ADVISORY PLAN COMMISSION AGENDA

Brownsburg Advisory Plan Commission Meetings are live-streamed and archived.

November 24, 2025

6:00 PM

TOWN COUNCIL MEETING ROOM 61 N. GREEN ST., BROWNSBURG, INDIANA 46112

A. **CALL TO ORDER BY PRESIDING OFFICER**

B. **MOMENT OF SILENCE & PLEDGE OF ALLEGIANCE**

C. **APPROVAL OF PREVIOUS MEETING(S) MINUTES**

1. **OCTOBER 27, 2025 - REGULAR MEETING**

   Documents:

   APC_MINUTES_10-27-25.PDF

D. **APPROVAL OF FINDINGS OF FACT AND REPORTS OF DETERMINATION**

1. **PSDP-25-7 DITCH WITCH BUILDING ADDITION DEVELOPMENT PLAN REVIEW**

   Documents:

   FOF_PSDP-25-7.PDF

2. **PCPP-25-2 COMPASS & KEY INDUSTRIAL PARK, LOT 1 PRIMARY PLAT**

   Documents:

   FOF_PCPP-25-2.PDF

3. **PCMA-25-4 PROMENADE EXTENSION REZONE**

   Documents:

   FOF_PCMA-25-4.PDF

4. **PCZT-25-2 PROMENADE PUD ZONING TEXT AMENDMENT**

   Documents:

   FOF_PCZT-25-2.PDF

5. **PCZT-25-3 UDO UPDATES ZONING TEXT AMENDMENT**

   Documents:

   FOF_PCZT-25-3.PDF

E. HEARING OF REQUESTS FOR CONTINUANCES

1. **NONE**

F. DEVELOPMENT PLAN APPROVAL REQUESTS

1. **PSDP-25-8 BROWNSBURG HIGH SCHOOL EAST ATHLETIC EXPANSION DEVELOPMENT PLAN REVIEW**

A request to approve a Development Plan Review for construction of a 11,380 SF building for concessions/ athletic support, new track and field facility, new softball fields, new parking lot and drives for pedestrian connectivity and associated utility connections and hardscape. The project is located at 1000 S Odell St.

Parcel(s): 32-07-14-200-014.000-016, 32-07-14-200-005.000-016

Represented by: Kelly Canter, Naventium Design on behalf of Brownsburg Community School Corporation

Documents:

F.1.A BHS_EAST_ATHLETICS_ELEVATIONS.PDF
F.1.B BHS_EAST_ATHLETICS_LANDSCAPE_PLANS.PDF
F.1.C PSDP-25-8_TECH_COMMENT_RESPONSE_LETTER.PDF
F.1.D TECH_REVIEW_PSDP-25-8.PDF
F.1.E BHS_EAST_ATHLETICS_CIVIL_CONSTRUCTION_PLAN_SET.PDF
F.1.F PSDP-25-8_WAIVER_REQUESTS.PDF
F.1.G BHS_EAST_ATHLETICS_LIGHTING_PHOTOMETRICS.PDF
F.1.H AFFIDAVIT_AND_CONSENT_OF_PROPERTY_OWNER_FORM_SIGNED.PDF
F.1.I STORMWATER_REVIEW-BROWNSBURGHSEASTATHLETICS.PDF
F.1.J PSDP-25-8_COUNTY_DRAINAGE_BOARD_APPROVAL_FOR_ALLOWABLE_RELEASE_RATES.PDF
F.1.K STAFF REPORT_PSDP-25-8.PDF
F.1.L PSDP-25-8_OPERATIONS_AND_MAINTENANCE_MANUAL.PDF

G. OLD BUSINESS

1. **NONE**

H. CONTINUED PUBLIC HEARINGS

1. **NONE**

I. NEW PUBLIC HEARINGS

1. **PCVA-25-1 PROJECT TAHOE STREET VACATION PLAT VACATION**

A request to vacate portions of the right-of-way on Corrugated Avenue and Diversified Street. Diversified Street would also be renamed HarperCollins Way. These streets are located in the Ronald Reagan Logistics Park.

Parcel(s): 32-08-07-305-001.000-016 & 32-08-07-305-002.000-016

Represented by: Dillon Reynolds, SpaceCo Inc.

ADVERTISED PUBLIC HEARING

Documents:

I.1.A PROPERTY_OWNER_CONSENT_FORMS.PDF

I.1.B ORIGINAL_RECORDED_PLAT.PDF
I.1.C NEW PLAT.PDF
I.1.D PCVA-25-1 STAFF REPORT.PDF

J. COMMUNICATIONS AND COMMITTEE REPORTS

1. PROPOSED 2026 APC MEETING DATES

Documents:

2026 DATES_DRAFT (1) (1) (2).PDF

K. MISCELLANEOUS BUSINESS

1. NONE

L. ADMINISTRATIVE FILINGS

1. APLA-25-2 THOMPSON AND HUNT ADDITION, LOTS 11 & 12 ADMINISTRATIVE PLAT

M. CASES FILED FOR FUTURE MEETINGS

1. PCPP-25-3 Hawk's Landing Primary Plat

2. PSDP-23-21 Lion's Trans Inc. DPR

3. PCZT-25-4 Brentwood PUD Zoning Text Amendment

4. PCZT-25-5 Westbranch PUD Zoning Text Amendment

5. PCPP-25-4 Karam Convenience Center Primary Plat

6. PSDP-25-9 Project Falcon DPR

7. PSDP-22-29 West Wind Apartments DPR

N. ADJOURNMENT

Advisory Plan Commission

- Brett Scowden, President
  Term: 2023-2026
  Appointed by: Town Council President
- Matt Simpson
  Term: 2022-2025
  Appointed by: Town Council
- Kent Fillinger
  Term: 2022-2025
  Appointed by: Town Council President
- Richard Miller
  Term: 2023-2026
  Appointed by: Town Council President
- Shawn Pabst
  Term: 2022-2025
  Appointed by: Town Council
- Scott Doehrman
  Term: 2025-2028
  Appointed by: Town Council
- Jeff Humphreys
  Term: 2024-2027
  Appointed by: Town Council President

The Town of Brownsburg acknowledges its responsibility to comply with the Americans With Disabilities Act of 1990. In order to assist individuals with disabilities who require special services (i.e. sign interpretive services, alternative audio/visual devices, and amanuenses) for participation in or access to town sponsored public programs, services, and/or meetings, the town requests that individuals makes requests for these services two business days ahead of the scheduled program, service, and/or meeting. To make arrangements, contact the Development Services Department at (317) 852-1128.

TOWN OF Brownsburg

ADVISORY PLAN COMMISSION
Minutes

Brownsburg Town Hall
61 North Green Street
Brownsburg, Indiana 46112

October 27, 2025

The Brownsburg Advisory Plan Commission was convened at 6:00 PM with a moment of silence and the Pledge of Allegiance. A determination of quorum was found.

Members Present:	Scott Doehrman, Kent Fillinger, Jeff Humphreys, Richard Miller, Shawn Pabst, Brett Scowden- Board President and Matt Simpson.
Members Absent:	None
Also Present:	Steven Fletcher- Development Service Director, Lauren Bouslog -Associate Planner, Elizabeth Bentz-Williams – AICP Consultant and Paola Ranney, Administrative Assistant.

C. APPROVAL OF PREVIOUS MEETING MINUTES

1. September 22, 2025 - Regular Meeting

   Motion: Jeff Humphreys made a motion to **APPROVE** the September 22, 2025 regular meeting minutes, seconded by Matt Simpson, motion carried 7 In Favor/ 0 Opposed/ 0 Abstained.

D. APPROVAL OF FINDINGS OF FACT AND REPORTS OF DETERMINATION

1. None

E. HEARING OF REQUESTS FOR CONTINUANCES

1. None

F. NEW PUBLIC HEARING

Mr. Scowden proposed to move case PCPP-25-3 Hawk's Landing up to the top of the case list. The Board in its entirety was in favor of the amendment of the agenda.

1. PCPP-25-3 HAWK'S LANDING PRIMARY PLAT

   A request to approve a primary plat for Hawk's Landing subdivision. The site includes 106 single-family units with their associated roadways and is located along N SR 267 and E 800 N behind Connection Pointe Christian Church.

   Parcel(s): 32-02-34-275-002.000-026, 32-02-34-100-012.000-001, 32-02-34-100-013.000-001

   ADVERTISED PUBLIC HEARING OPENED AT 6:02PM

   Due to commitments not being met by applicant. The Board has decided to continue this case until the applicant has the opportunity to meet commitments previously proposed.

Motion: Matt Simpson made a motion **CONTINUE** CASE NUMBER PCPP-25-3, to a later date that is to be determined, seconded by Jeff Humphreys, motion carried 7 In Favor/ 0 Opposed / 0 Abstained.

ADVERTISED PUBLIC HEARING CLOSED AT 6:13PM

G. DEVELOPMENT PLAN APPROVAL REQUESTS

1. PSDP-25-7 DITCH WITCH BUILDING ADDITION DEVELOPMENT PLAN REVIEW

A request to approve a Development Plan Review for construction of a 4,500 square foot building addition along with associated parking and utility infrastructure. This property is located at 1550 W. Northfield Dr.
Parcel(s): 32-07-03-101-001.000-026, 32-07-03-351-002.000-016

Lauren presented. She explained the reasoning and logistics of the request.

Mr. Michael Olinger, applicant. Stepped up to the stand. No questions from the Board.

Motion: Jeff Humphreys made a motion to **APPROVE** PSDP-25-7 with staff condition included the added condition of approval of findings of facts, seconded by Matt Simpson, motion carried 7 In Favor/ 0 Opposed/ 0 Abstained.

H. OLD BUSINESS

1. None

H. CONTINUED PUBLIC HEARINGS

1. None

J. NEW PUBLIC HEARINGS

1. PCPP-25-2 COMPASS & KEY INDUSTRIAL PARK, LOT 1 PRIMARY PLAT

A request to approve a primary plat for lot 1 of Compass & Key Industrial Park. The lot is 7.5 acres and is located along N Raceway Rd.
Parcel(s): 32-08-29-200-020.000-016

ADVERTISED PUBLIC HEARING OPENED AT 6:20PM

Lauren presented. She explained the reasoning and logistics of the request.

Mr. Kevin Steely, applicant. Stepped up to the stand. Mr. Steely and the Board discussed curb cuts and sidewalks.

ADVERTISED PUBLIC HEARING CLOSED AT 6:26PM

Motion: Jeff Humphreys made a motion to **APPROVE** PCPP-25-2, with staff conditions, seconded by Shawn Pabst, motion carried 7 In Favor/ 0 Opposed / 0 Abstained.

2. PCMA-25-4 PROMENADE EXTENSION REZONE

A request to rezone 7.99 acres of AG (Agriculture) zoned land into an existing residential PUD (Planned Unit Development - Promenade). The parcel is located just west of the existing Promenade subdivision.
Parcel(s): 32-07-24-300-001.000-016

ADVERTISED PUBLIC HEARING OPENED AT 6:26PM

Lauren presented. She explained the reasoning and logistics of the request.

Staff and the Board discussed traffic study and PUD classification.

Mr. Rex Ramage, applicant. Stepped up to the stand. Applicant and the Board discussed stub road, alternate road, buffer spaces, price ranges, plans on the traffic backup on 136 & Northfield Dr., lot quantity, commitment to present 15ft tree line, construction noise ordinance, light pollution and open space requirement per UDO.

Resident stepped up to the stand to speak their questions and concerns.

- Mr. Matt Sturgeon spoke against the project.
- Mr. Matt Freese spoke against the project.
- Mr. David Weyant is neither for nor against the project.
- Mr. Rick Hawkey is for the project.
- Mr. Garrett Mothersead spoke against the project.

Applicant stepped up to the stand to clarify some of the questions and concerns.

ADVERTISED PUBLIC HEARING CLOSED AT 7:13PM

Motion: Richard Miller made a motion to send a **FAVORABLE RECOMMENDATION** FOR PCMA-25-4, with staff conditions and additional commitments, seconded by Shawn Pabst, motion carried 6 (Doehrman, Fillinger, Miller, Pabst, Scowden and Simpson) In Favor/ 1 (Humphreys) Opposed / 0 Abstained.

3. PCZT-25-2 PROMENADE PUD ZONING TEXT AMENDMENT

A request to amend portions of the Promenade Planned Development Ordinance, which includes changes to Exhibits A, B, C and D the definition of "Promenade Real Estate" and "Property", and paragraph 1.C.

ADVERTISED PUBLIC HEARING OPENED AT 7:24PM

Lauren presented. She explained the reasoning and logistics of the request.

Mr. Rex Ramage, applicant. Stepped up to the stand. Applicant and the Board discussed some questions.

ADVERTISED PUBLIC HEARING CLOSED AT 7:29PM

Motion: Shawn Pabst made a motion to send a **FAVORABLE RECOMMENDATION** for PCZT-25-2, with staff conditions, seconded by Matt Simpson, motion carried 7 In Favor/ 0 Opposed / 0 Abstained.

4. PCZT-25-3 UDO UPDATES ZONING TEXT AMENDMENT

A request to amend portions of the Unified Development Ordinance as depicted in the attached documents, generally items in Chapters 2,5,7,8, and 10.

ADVERTISED PUBLIC HEARING OPENED AT 7:29PM

Elizabeth Bentz-Williams presented. Elizabeth discussed all proposed changes and amendments due to the UDO.

Elizabeth and the Board discussed some questions the Board had.

Resident stepped up to the stand to speak their questions and concerns.

- Cindy Hohman stepped up to the stand to address some questions
- Mr. David Weyant stepped up to the stand to address some questions

ADVERTISED PUBLIC HEARING CLOSED AT 8:14PM

Motion: Brett Scowden made a motion to send a **FAVORABLE RECOMMENDATION** for PCZT-25-3 as amended, seconded by Richard Miller, motion carried 7 In Favor/ 0 Opposed / 0 Abstained.

J. COMMUNICATIONS AND COMMITTEE REPORTS

1. None

K. MISCELLANEOUS BUSINESS

1. None

L. ADMINISTRATIVE FILINGS

1. CPSP-25-5 Centennial, Sec. 2 Secondary Plat

N. CASES FILED FOR FUTURE MEETINGS

1. PCVA-25-1 Project Tahoe Street Vacation
2. PSDP-25-8 Brownsburg HS East Athletic Expansion DPR

O. ADJOURNMENT

Motion: Jeff Humphreys made a motion to **ADJOURN**. Meeting adjourned at **8:15PM**.

_____

Brett Scowden, President

ATTEST: _____

Steven Fletcher, Development Services Director

Motion: CHOOSE AN ITEM. made a motion to Choose an item. CASE NUMBER, with staff conditions, seconded by CHOOSE AN ITEM., motion carried 0 In Favor/ 0 Opposed / 0 Abstained.

TOWN OF Brownsburg

ADVISORY PLAN COMMISSION

DOCKET NO.
PSDP-25-7
IN THE MATTER OF:
DITCH WITCH BLDG ADDITION

FINDINGS OF FACT & REPORT OF DETERMINATION

The Brownsburg Advisory Plan Commission held a hearing for docket PSDP-25-7 Ditch Witch located on Parcel No(s): 32-07-03-101-001.000-026, 32-07-03-351-002.000-016 on October 27, 2025.

This Report of Determination is based, in whole or in part, on the Applicant's Development Plan Review Application, submitted on August 7, 2025 and the same is hereby incorporated herein, by reference.

Staff prepared a Project Synopsis, dated October 17, 2025, and the same is incorporated herein, by reference.

After hearing a presentation from the Applicant the Commission voted 7 in favor, 0 against and 0 abstained, on a motion to **APPROVE** the Development Plan Review subject to the following:

(1) The stamping of construction plans by the Director.

The Commission took the following into consideration when making their decision on this above referenced proposal:

(1) The development plan is consistent with the Brownsburg Comprehensive Plan.

(2) The development plan satisfies the development requirements of Article 2: Zoning Districts.

(3) The development plan satisfies the standards of Article 5: Development Standards.

(4) The development plan satisfies any other applicable provisions of the Unified Development Ordinance.

(5) The development plan satisfies any provision related to a development's design, especially street layout, street features, pedestrian facilities, drainage, and utility installation as outlined in the Unified Development Ordinance.

(6) The development plan satisfies the construction requirements of the Brownsburg Standard Details.

(7) The development plan satisfies the intent of the architectural guidelines.

DOCKET NO.

PSDP-25-7

IN THE MATTER OF:

DITCH WITCH BLDG ADDITION

_____

Brett Scowden, President

ATTEST:

_____

Steve Fletcher, Development Services Director

TOWN OF Brownsburg

ADVISORY PLAN COMMISSION

DOCKET NO.
PCPP-25-2
IN THE MATTER OF:
COMPASS & KEY INDUSTRIAL PARK

FINDINGS OF FACT, CONCLUSIONS OF LAW, AND ORDER

In compliance with the Unified Development Ordinance of the Town of Brownsburg (the "Ordinance"), the Advisory Plan Commission (the "Commission") held a public hearing pursuant to notice at 6:00 p.m. on October 27, 2025, to hear Docket No. PCPP-25-2, an application for Primary Plat approval for lot 1 of Compass & Key Industrial Park. Applicant Kevin Steely, appeared and presented testimony and evidence in support of the application.

FINDINGS OF FACT

The Commission, having this matter presented at a public hearing on October 27, 2025, having considered the arguments of the applicant, and being duly advised in the premises, now finds and makes the following Findings of Fact:

(1) The real estate subject to the application is identified as part of Indiana Parcel Number(s), 32-08-29-200-020.000-016.

(2) The real estate to which the application is addressed is within the Town of Brownsburg, Hendricks County, Indiana, and is subject to the terms and provisions of the Town of Brownsburg Municipal Code and the Unified Development Ordinance.

(3) That William & Susan Macias is the owner of the real estate subject to the application.

(4) The real estate to which the application is addressed is currently zoned I2.

(5) The Applicant has requested Primary Plat approval for lot 1 of Compass & Key Industrial Park.

(6) The Department of Development Services submitted a Project Synopsis to the Commission, dated October 16, 2025, which included the following recommendations:

    (1) The final plat shall be recorded in the Office of the Recorder of Hendricks County prior to issuance of any building permits.

    (2) The approval of the Findings of Fact and Report of Determination by the Plan Commission.

CONCLUSIONS OF LAW

Based upon the above Findings of Fact, the Commission does now conclude:

(1) The subdivision is consistent with the *Brownsburg Comprehensive Plan.*

(2) The subdivision satisfies the prerequisites, minimum development requirements and design standards for the applicable subdivision type in *Article 6: Subdivision Types*.

(3) The subdivision satisfies the applicable design standards in *Article 7: Design Standards*.

(4) The subdivision satisfies all other applicable provisions of the Unified Development Ordinance.

(5) The subdivision satisfies the construction requirements of the *Brownsburg Construction Standards*.

ORDER

Based upon the foregoing Findings of Fact and Conclusions of Law, the Commission does now **APPROVE** the Primary Plat requested by Kevin Steely, known as Docket No. PCPP-25-2.

_____
Brett Scowden, President

ATTEST:

_____
Steve Fletcher, Development Services Director

TOWN OF Brownsburg

ADVISORY PLAN COMMISSION

DOCKET NO.
PCMA-25-4
IN THE MATTER OF:
PROMENADE EXTENSION

FINDINGS OF FACT & REPORT OF DETERMINATION

The Brownsburg Advisory Plan Commission held a public hearing for docket # PCMA-25-4 Promenade Extension located on Parcel(s) 32-07-24-300-001.000-016 on October 27, 2025.

This Report of Determination is based, in whole or in part, on the Applicant's Zoning Map Amendment Application and Letter of Intent submitted September 8, 2025; and the same is hereby incorporated by reference.

Staff prepared a Project Synopsis, dated October 16, 2025 and the same is hereby incorporated by reference.

After hearing a presentation from the Applicant, and taking comments from the public, the Commission voted 6 in Favor/1 Opposed/0 Abstained, to send a **FAVORABLE RECOMMENDATION** of PCMA-25-4 to Town Council subject to and conditioned upon the following:

(1) The addition of a cul-de-sac bulb on the southern stub road on future site plans until the parcel below the site is acquired.

(2) 15ft tree buffer be included on the NE and W side of the development and additional trees be added to supplement this buffer with approximately 7 trees per 100 ft and 75% of the trees being Evergreens.

(3) 3 way stop sign be added at Paxton and Sunnyville Dr.

(4) Similar down lighting fixture be installed for exterior lighting on the rear side of the western lots.

(5) Commitment in the HOA covenants.

(6) Construction noise hours to be from 7am to 8pm until full completion of development.

(7) The lots running East to West will be a minimum of 80ft wide.

The Commission took the following into consideration when making their recommendation on this above referenced proposal:

(1) The Brownsburg Comprehensive Plan;

(2) The current conditions and the character of current structures and uses in each district;

(3) The most desirable use for which the land in each district is adapted;

(4) The conservation of property values throughout the jurisdiction; and

(5) Responsible development and growth.

DRAFT

DRAFT

_____
Brett Scowden, President

ATTEST:

_____
Steve Fletcher, Director

TOWN OF Brownsburg

ADVISORY PLAN COMMISSION

DOCKET NO.
PCZT-25-2
IN THE MATTER OF:
PROMENADE PUD

FINDINGS OF FACT & REPORT OF DETERMINATION

The Brownsburg Advisory Plan Commission held a public hearing for docket # PCZT-25-2 Promenade PUD located on Parcel(s) 32-07-24-300-001.000-016 on October 27, 2025.

This Report of Determination is based, in whole or in part, on the Applicant's Zoning Map Amendment Application and Letter of Intent submitted September 8, 2025; and the same is hereby incorporated by reference.

Staff prepared a Project Synopsis, dated October 6, 2025 and the same is hereby incorporated by reference.

After hearing a presentation from the Applicant, and taking comments from the public, the Commission voted 7 in Favor/0 Opposed/0 Abstained, to send a **FAVORABLE RECOMMENDATION** of PCZT-25-2 to Town Council as presented.

The Commission took the following into consideration when making their recommendation on this above referenced proposal:

(1) The Brownsburg Comprehensive Plan;

(2) The current conditions and the character of current structures and uses in each district;

(3) The most desirable use for which the land in each district is adapted;

(4) The conservation of property values throughout the jurisdiction; and

(5) Responsible development and growth.

_____
Brett Scowden, President

ATTEST:

_____
Steve Fletcher, Development Services Director

DRAFT

TOWN OF Brownsburg

ADVISORY PLAN COMMISSION

DOCKET NO.
PCZT-25-3
IN THE MATTER OF:
UDO UPDATES

FINDINGS OF FACT & REPORT OF DETERMINATION

The Brownsburg Advisory Plan Commission held a public hearing for docket #PCZT-25-3 UDO UPDATES.

This Report of Determination is based, in whole or in part, on the Applicant's Zoning Map Amendment Application and Letter of Intent submitted September 6, 2025; and the same is hereby incorporated by reference.

Staff prepared a Project Synopsis, dated October 6, 2025 and the same is hereby incorporated by reference.

After hearing a presentation from the Applicant, and taking comments from the public, the Commission voted 7 in Favor/0 Opposed/0 Abstained, to send a **FAVORABLE RECOMMENDATION** of PCZT-25-3 to Town Council.

The Commission took the following into consideration when making their recommendation on this above referenced proposal:

(1) The Brownsburg Comprehensive Plan;

(2) The current conditions and the character of current structures and uses in each district;

(3) The most desirable use for which the land in each district is adapted;

(4) The conservation of property values throughout the jurisdiction; and

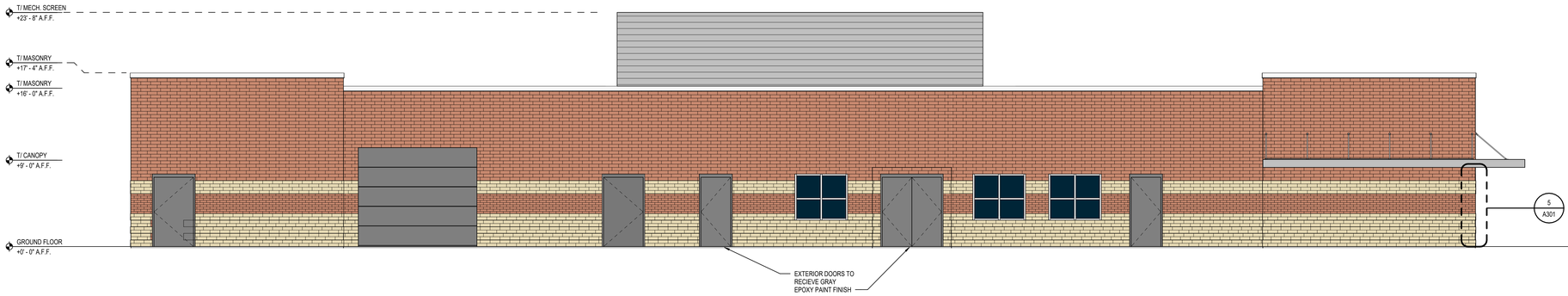
(5) Responsible development and growth.

_____
Brett Scowden, President

ATTEST:

_____
Steve Fletcher, Development Services Director

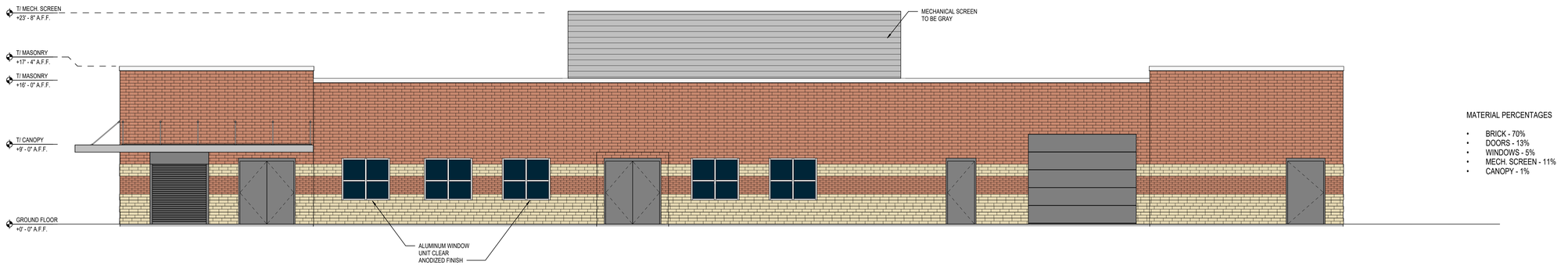
DRAFT



1 A301 NORTH ELEVATION
SCALE: 3/16" = 1'-0"

MATERIAL PERCENTAGES

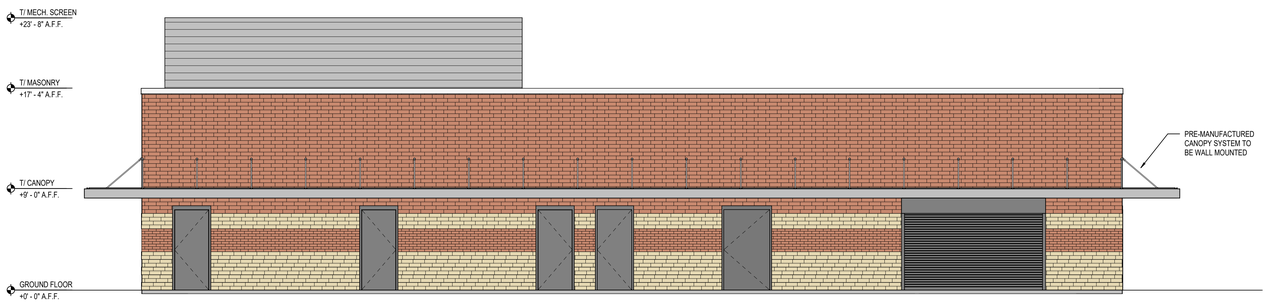
- BRICK - 74%
- DOORS - 11%
- WINDOWS - 3%
- MECH. SCREEN - 11%
- CANOPY - 1%



4 A301 SOUTH ELEVATION
SCALE: 3/16" = 1'-0"

MATERIAL PERCENTAGES

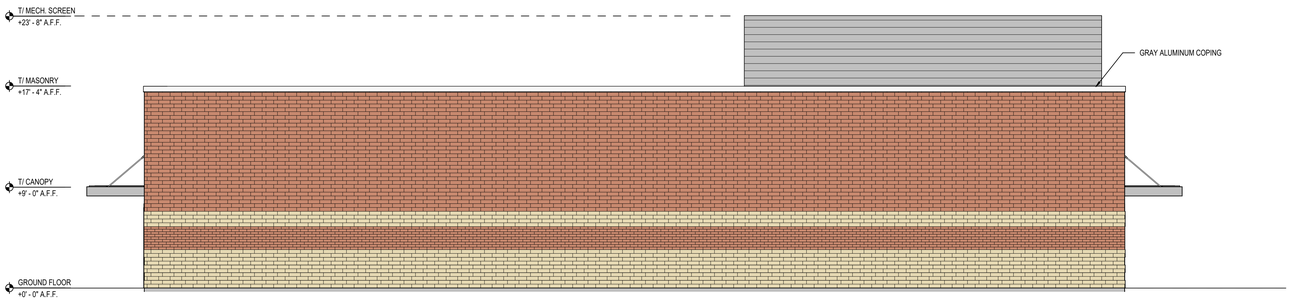
- BRICK - 70%
- DOORS - 13%
- WINDOWS - 5%
- MECH. SCREEN - 11%
- CANOPY - 1%



2 A301 WEST ELEVATION
SCALE: 3/16" = 1'-0"

MATERIAL PERCENTAGES

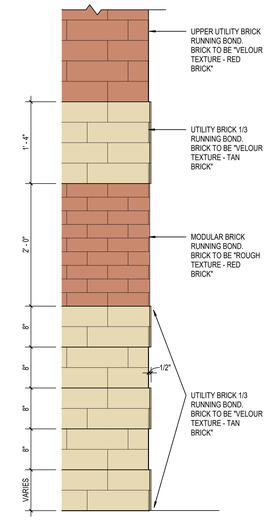
- BRICK - 70%
- DOORS - 14%
- MECH. SCREEN - 11%
- CANOPY - 5%



3 A301 EAST ELEVATION
SCALE: 3/16" = 1'-0"

MATERIAL PERCENTAGES

- BRICK - 88%
- MECH. SCREEN - 11%
- CANOPY - 1%



5 A301 BRICK DETAIL
SCALE: 1" = 1'-0"

Brownsburg Community School Corporation
Higher Achievement • Together

SCSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net
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PROJECT:
BROWNSBURG COMMUNITY SCHOOL CORPORATION
BROWNSBURG HIGH SCHOOL
SOFTBALL & TRACK
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction anticipated for the project.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
It is the basis of the general scope indicated or described, the trades shall provide for and furnish all items required for the proper execution and completion of the work.

REVISIONS:

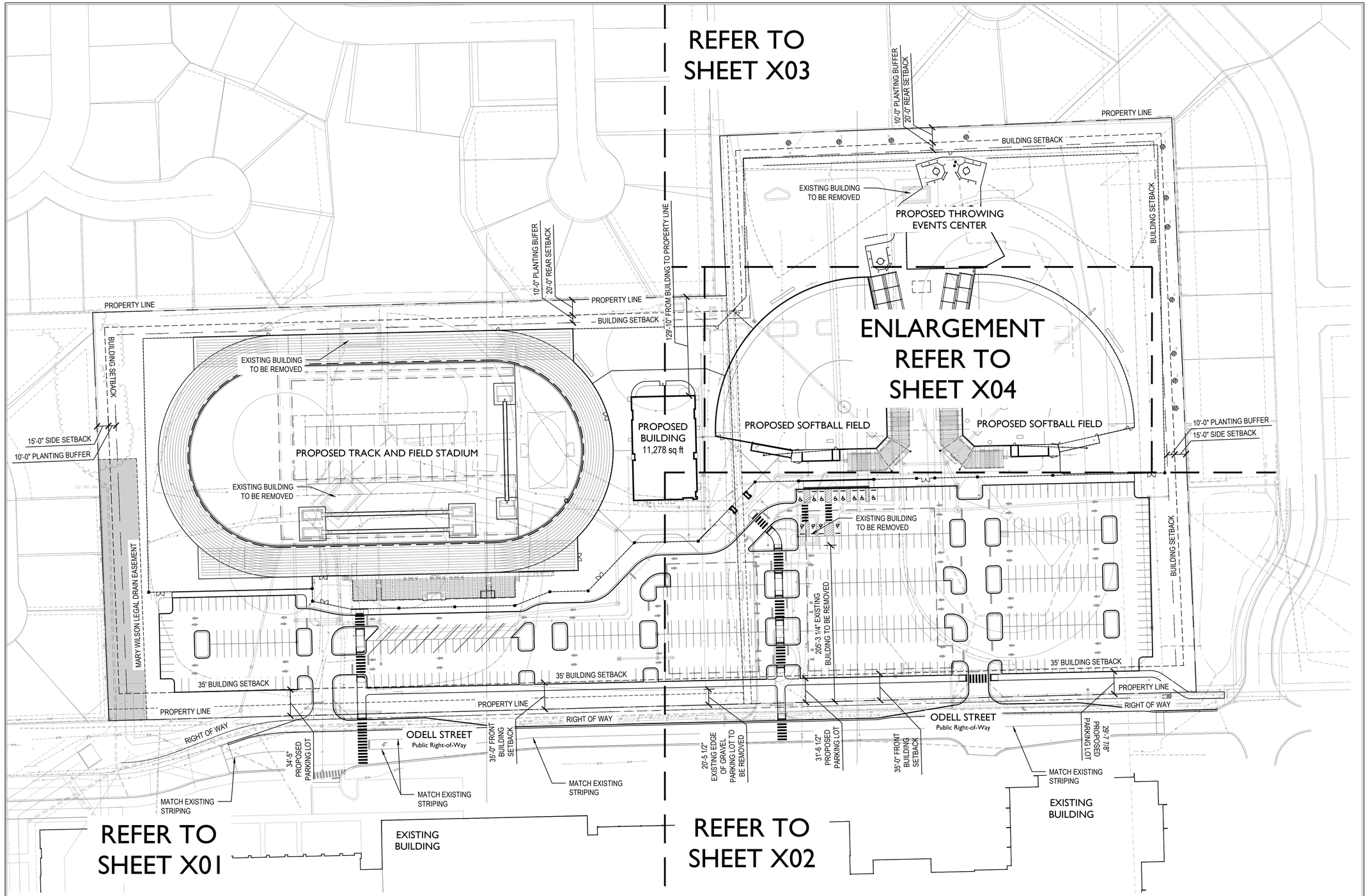
ISSUE DATE	DRAWN BY	CHECKED BY
08/11/2025	JMP	EMH

DRAWING TITLE:
EXTERIOR ELEVATIONS

CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
A301

PROJECT NUMBER
2024038



Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.846.7800 | csoinc.net

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context DESIGN
5825 Lawton Loop East Drive | Indianapolis, IN 46216
317-452-0060 | www.contextdesign.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL EAST ATHLETICS

PERMIT REVIEW SET

1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the principal spaces, the arrangement of them and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

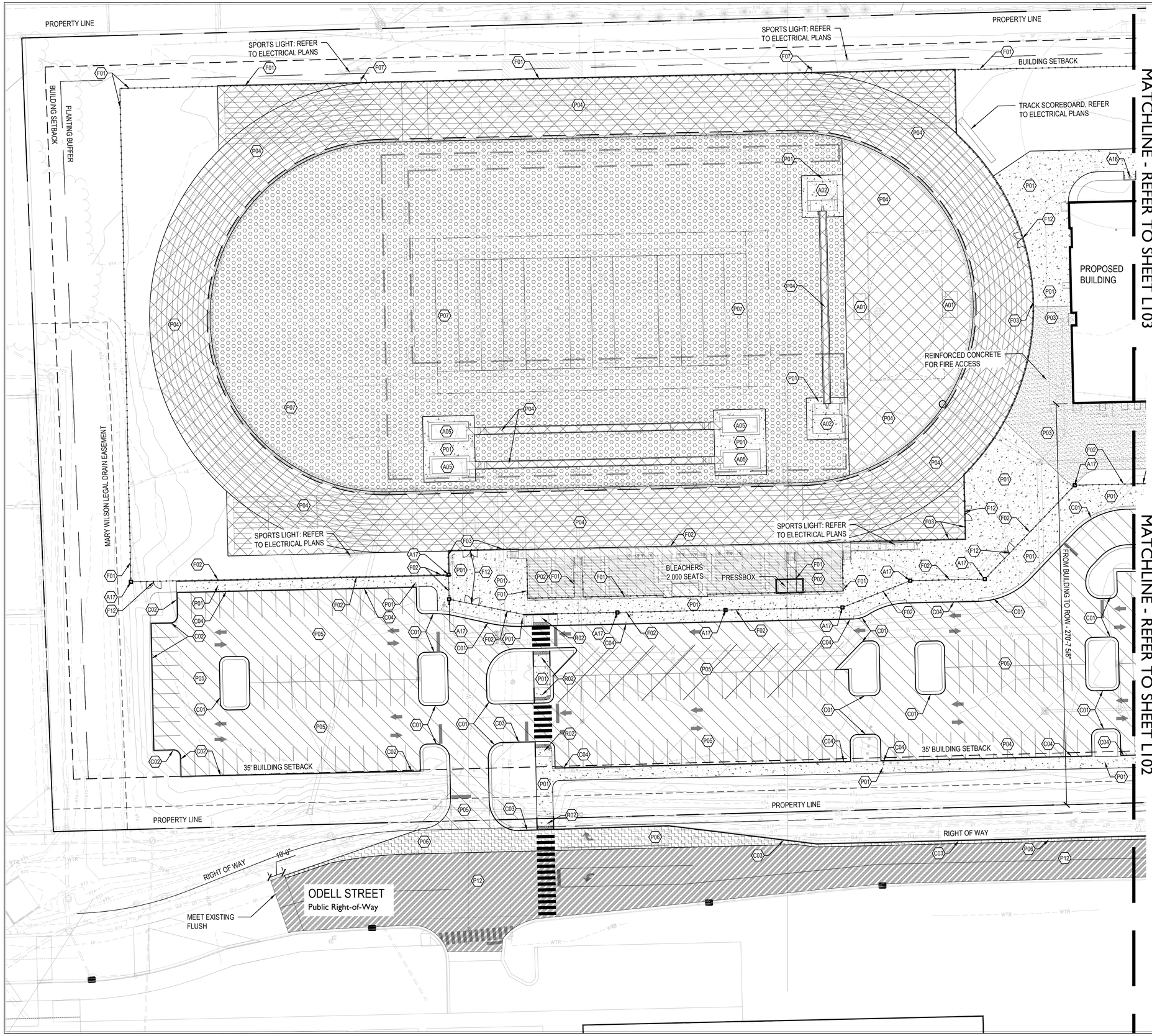
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OVERALL REFERENCE PLAN

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DRAWING NUMBER
L100

PROJECT NUMBER
23-1745



	MATERIAL KEYNOTES
KEY	CURBS
C01	SLOPED CONCRETE CURB 24" TYP.
C02	CONCRETE CURB 6" TYP.
C03	ROW CONCRETE CURB
C04	INTEGRAL CURB AND WALK
C05	NAILER CURB WITH FENCE
C06	FLUSH PERIMETER NAILER CURB
C07	CURB STOP

	MATERIAL KEYNOTES
KEY	RAMPS
R01	FLARE RAMP
R02	STRAIGHT RAMP
R03	PARALLEL RAMP

	MATERIAL KEYNOTES
KEY	PAVEMENT
P01	STANDARD CONCRETE PAVEMENT
P02	REINFORCED BLEACHER SLAB
P03	HEAVY DUTY CONCRETE PAVEMENT
P04	POST TENSION CONCRETE PAVEMENT WITH TRACK SURFACING
P05	STANDARD ASPHALT PAVEMENT
P06	ROW ASPHALT PAVEMENT
P07	SYNTHETIC FIELD SPORTS TURF
P08	DIAMOND SPORTS SYNTHETIC TURF
P09	SHOT PUT MATERIAL
P10	SOFTBALL INFIELD MIX
P11	SOFTBALL OUTFIELD SPORTS LAWN
P12	STANDARD ASPHALT PAVEMENT, MILL AND RESURFACE AND RESTRIPE

	MATERIAL KEYNOTES
KEY	ATHLETIC FURNISHINGS
A01	HIGH JUMP PIT
A02	POLE VAULT
A03	DISCUS CAGE
A04	SHOT PUT RINGS
A05	LONG JUMP
A06	SOFTBALL BASE
A07	SOFTBALL HOME PLATE
A08	PITCHING RUBBER
A09	SOFTBALL BATTERS BOX
A10	BACKSTOP WALL
A11	TIMING TOWER
A12	MASONRY DUGOUT
A13	BATTING CAGE
A14	BLEACHERS AND PRESSBOX
A15	BACKSTOP NETTING SYSTEM
A16	FLAG POLE
A17	MASONRY COLUMNS

	MATERIAL KEYNOTES
KEY	FENCES
F01	CHAIN-LINK FENCE 6'-0" HT. BLACK VINYL COATED
F02	ORNAMENTAL FENCE 6'-0" HT. BLACK
F03	CHAIN LINK FENCE 4'-0" HT, BLACK VINYL COATED
F04	GATE, DOUBLE LEAF 14'-0" WIDE, MATCH ADJACENT FENCE HT.
F05	CHAIN LINK FENCE 10'-0" HT, MATCH ADJACENT FENCE
F06	SLIDING GATE 20'-0" WIDE, MATCH ADJACENT FENCE HT.
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F08	CHAIN LINK FENCE 6'-0" HT. WITH YELLOW TOP
F09	ATHLETIC BARRIER NET, REFER TO SPECIFICATIONS
F10	GATE, 8'-0" WIDE, MATCH ADJACENT FENCE HT.
F11	GATE, DOUBLE LEAF 8'-0" WIDE, MATCH ADJACENT FENCE HT.
F12	GATE, DOUBLE LEAF 10'-0" WIDE, MATCH ADJACENT FENCE HT.

North

0 15' 30' 60'

Scale 1" = 30'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
1000 S ODELL ST, BROWNSBURG, IN 46112

PERMIT REVIEW SET

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the general arrangement of spaces and the type of structural, mechanical and electrical systems.
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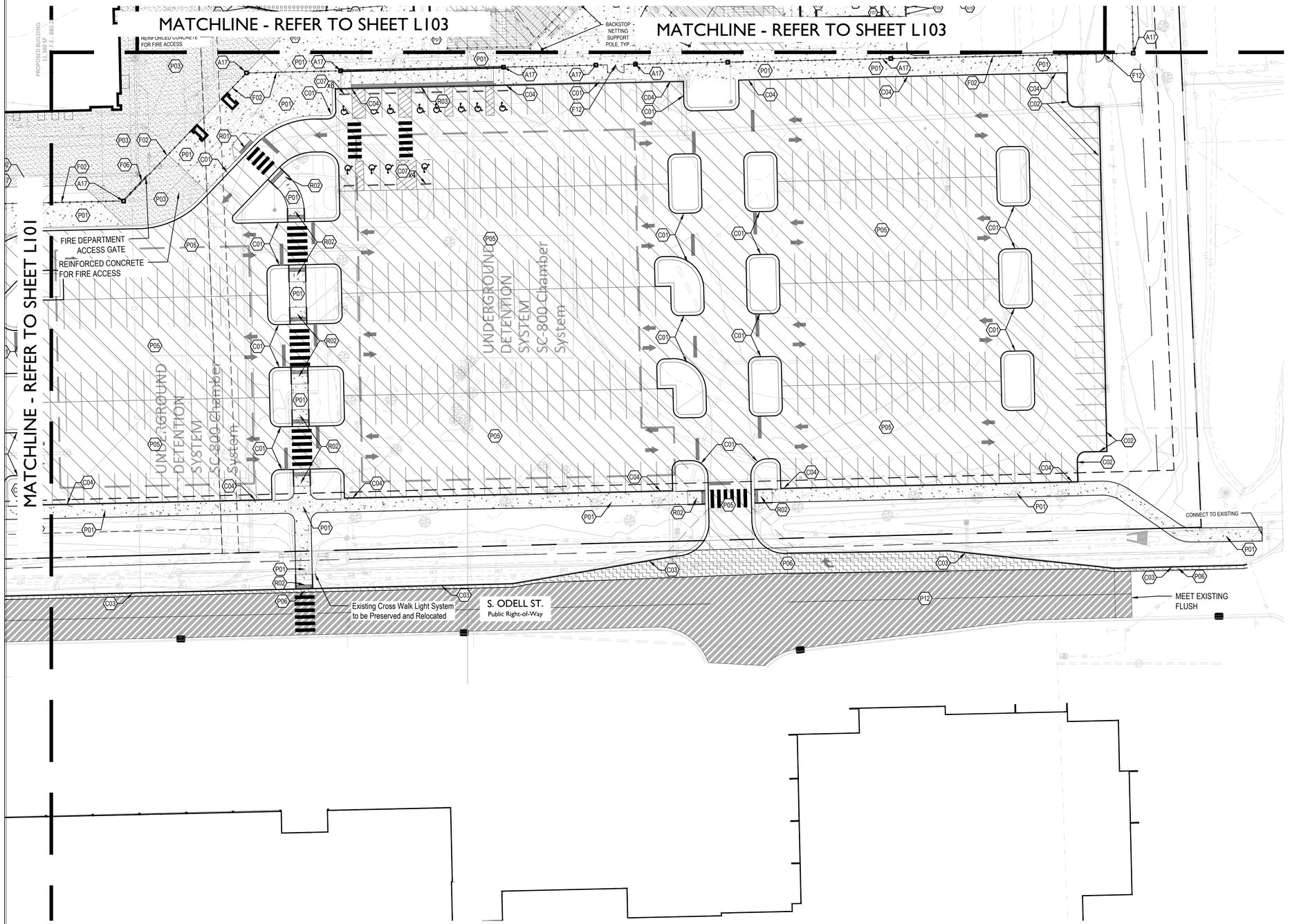
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DRAWING TITLE:
SITE MATERIALS PLAN

CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L101

PROJECT NUMBER
23-1745



	MATERIAL KEYNOTES
KEY	CURBS
C01	SLOPED CONCRETE CURB 24" TYP.
C02	CONCRETE CURB 6" TYP.
C03	ROW CONCRETE CURB
C04	INTEGRAL CURB AND WALK
C05	NAILER CURB WITH FENCE
C06	FLUSH PERIMETER NAILER CURB
C07	CURB STOP

	MATERIAL KEYNOTES
KEY	RAMPS
R01	FLARE RAMP
R02	STRAIGHT RAMP
R03	PARALLEL RAMP

	MATERIAL KEYNOTES
KEY	PAVEMENT
P01	STANDARD CONCRETE PAVEMENT
P02	REINFORCED BLEACHER SLAB
P03	HEAVY DUTY CONCRETE PAVEMENT
P04	POST TENSION CONCRETE PAVEMENT WITH TRACK SURFACING
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P06	ROW ASPHALT PAVEMENT
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P08	DIAMOND SPORTS SYNTHETIC TURF
P09	SHOT PUT MATERIAL
P10	SOFTBALL INFIELD MIX
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P12	STANDARD ASPHALT PAVEMENT, MILL AND RESURFACE AND RESTRIPE

	MATERIAL KEYNOTES
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A01	HIGH JUMP PIT
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A15	BACKSTOP NETTING SYSTEM
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A17	MASONRY COLUMNS

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KEY	FENCES
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North

0 30' 30' 60'

Scale 1" = 30'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction and materials to be employed.
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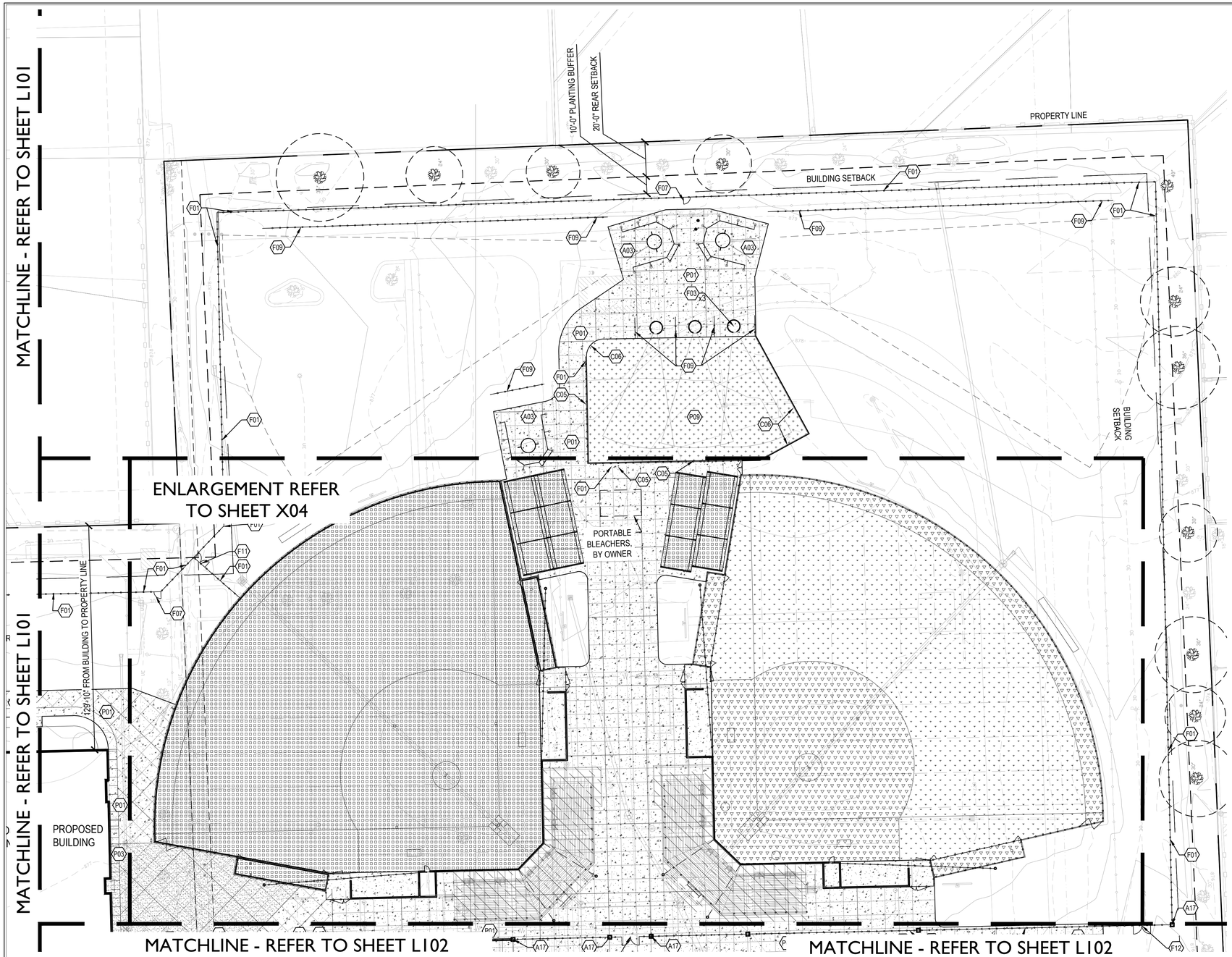
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SITE MATERIALS PLAN

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DRAWING NUMBER
L102

PROJECT NUMBER
23-1745



	MATERIAL KEYNOTES
KEY	CURBS
C01	SLOPED CONCRETE CURB 24" TYP.
C02	CONCRETE CURB 6" TYP.
C03	ROW CONCRETE CURB
C04	INTEGRAL CURB AND WALK
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C06	FLUSH PERIMETER NAILER CURB
C07	CURB STOP

	MATERIAL KEYNOTES
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R01	FLARE RAMP
R02	STRAIGHT RAMP
R03	PARALLEL RAMP

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KEY	PAVEMENT
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North

0 30' 30' 60'

Scale 1" = 30'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

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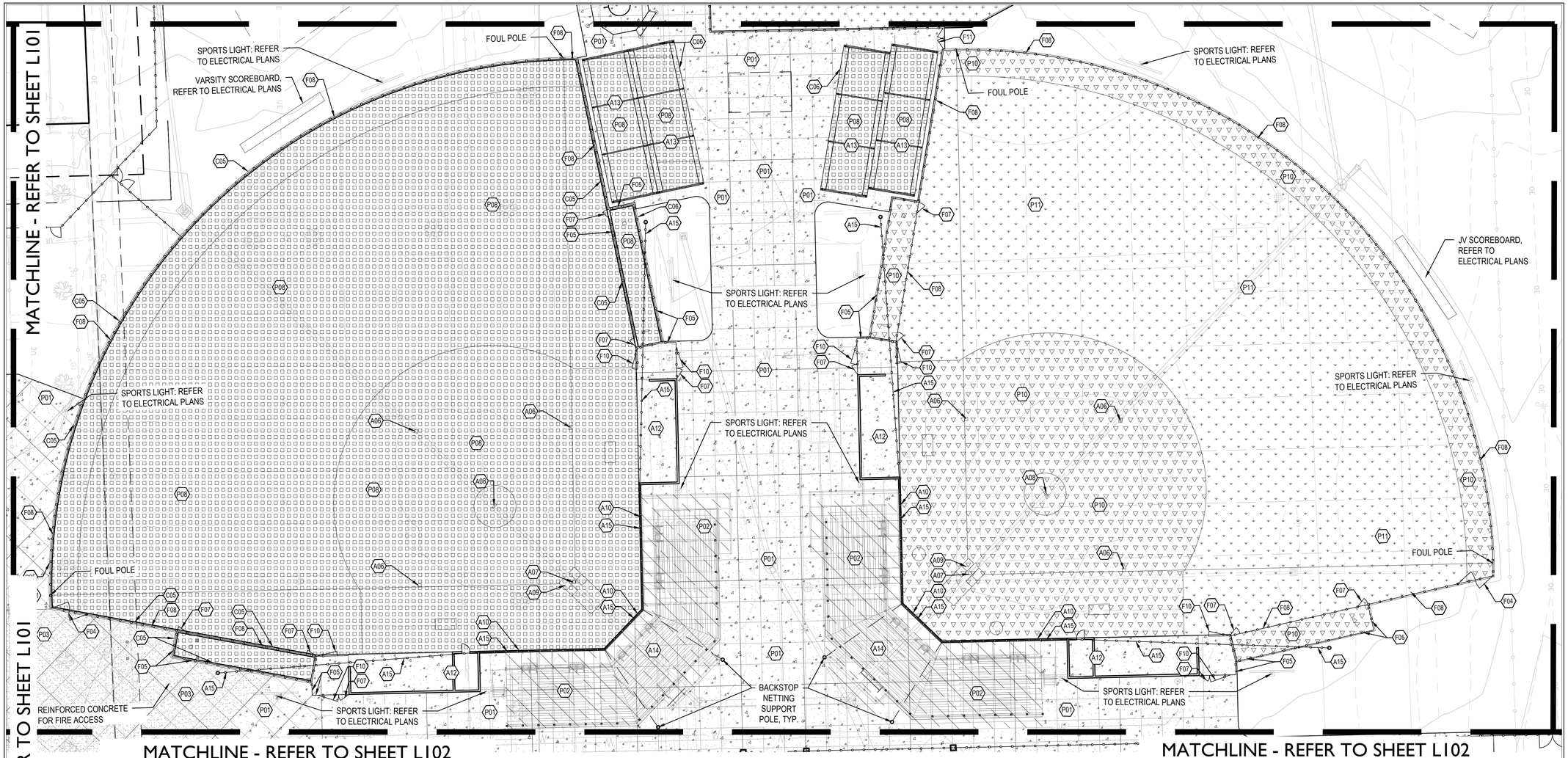
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SITE MATERIALS PLAN

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DRAWING NUMBER
L103

PROJECT NUMBER
23-1745



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C01	SLOPED CONCRETE CURB 24" TYP.
C02	CONCRETE CURB 6" TYP.
C03	ROW CONCRETE CURB
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North

0 10' 20' 40'

Scale 1" = 20'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of demolition, new construction, the relationship of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The Contract Documents are complementary to describe all work required for full performance and completion of the requirements of the Contract.
All work not specifically noted or scope indicated or described in the trade contractors shall furnish all items required for the proper execution and completion of the work.

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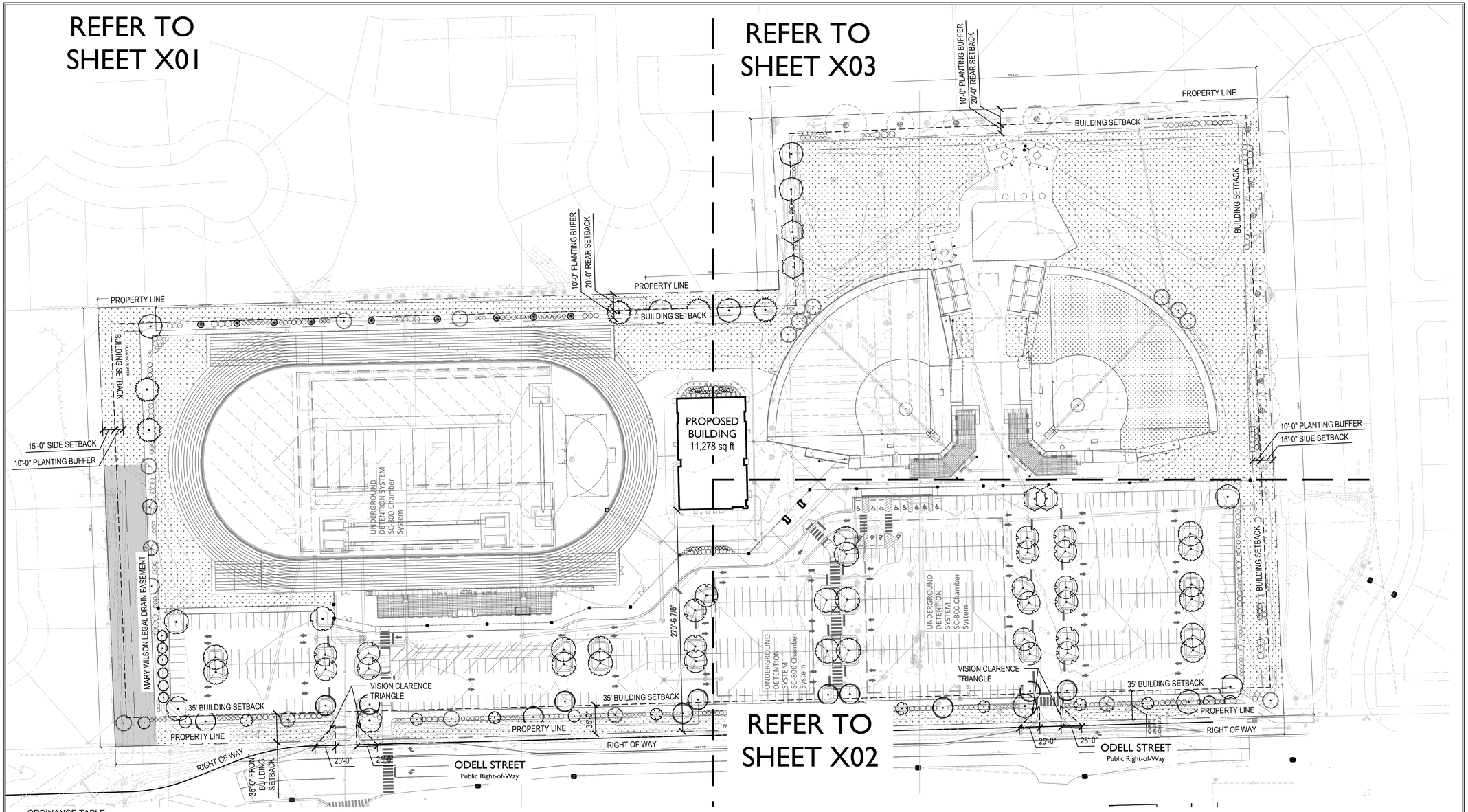
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DRAWING TITLE:
SITE MATERIALS PLAN ENLARGEMENT

CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L104

PROJECT NUMBER
23-1745



ORDINANCE TABLE
ZONING: Institutional
ADJACENT USE:
North: SF detached
East: SF detached
South: SF detached
West: Institutional

ON-SITE LANDSCAPE REQUIREMENT
Requirement: Provide 5 shade trees + 3 large shrubs/acre of open area (excludes buildings, parking, athletic fields, and spectator viewing areas)
8 Tree Credits for every existing tree 24 to 36 DBH - (10 Existing Trees Total)
Required: 299,379.82 s.f of open space = 6.87 ac - 35 shade trees + 21 large shrubs
Provided: 6 Existing Trees (48 Tree Credits) + 22 large shrubs

PERIMETER PARKING LOT
Requirement:
Front Yard: Provide an 8' wide landscape bed + 1 shade tree + 4 evergreen shrubs/35 l.f.
Side/Rear Yard: Provide a 6' wide landscape bed + 1 shade tree + 4 shrubs/35 l.f.
Required:
Front Yard (west): 109 spaces @ 9.5 l.f. = 1,035.5 l.f. - 30 trees + 118 evergreen shrubs
Trees and shrubs required as part of a buffer along a street are included in the calculations for required Street Frontage landscaping.
Side/Rear yards (South): 22 spaces @ 9.5 l.f. = 209 l.f. - 6 trees + 24 shrubs
Side Rear yard (north): 9 spaces @ 9.5. l.f. = 85.5 l.f. - 3 shade trees + 10 shrubs
Parking lots that have spaces oriented such that headlights may be directed toward a residential district require screening of a continuous planting of evergreen shrubs not less than 5 feet in height.
Provided:
Front Yard: Street Frontage landscaping fulfills the Front Yard Buffer Requirement.
Side/Rear yards (South): 22 spaces @ 9.5 l.f. = 209 l.f. - 6 trees + 24 shrubs
Side Rear yard (north): 9 spaces @ 9.5. l.f. = 85.5 l.f. - 3 shade trees + 10 shrubs + 6 Evergreens 5ft in height at planting to screen headlights.

INTERIOR PARKING LOT
Requirement: Provide islands (160 s.f. minimum) at parking aisle ends; provide 1 tree per island (2 for double row of parking)
Required: 53 islands + 53 shade trees
Provided: 53 shade trees

FOUNDATION PLANTINGS
Requirement:
For front and side facades under 100 l.f. , provide 1 shrub or ornamental tree/10 l.f.
For front and side facades over 100 l.f., provide 2 shrubs or ornamental trees/10 l.f.
Required:
East/West Facade @ 84 l.f. each = 9 ornamental trees or shrubs (x 2 for both sides (18))
North/South Facade @ 136 l.f. each = 27 ornamental trees or shrubs (x2 for both sides (54))
Provided:
East Facade: 40 Shrubs + 10 Grasses 4 Perennials = 54 Total
West Facade: 14 Shrubs + 4 Grasses = 18 Total (relocated along parallel fence line to allow access to concessions and restrooms)
North Facade: N/A to allow fire truck access (relocated as part of the east and west facade)
South Facade: N/A to allow fire truck access (relocated as part of the east and west facade)

72 Foundation Plantings Total

BUFFERS
Requirement: Provide a low intensity buffer
Low Intensity Buffer: Provide 10' buffer yard width; 1 shade or evergreen tree + 3 large shrubs/50 l.f.
8 Tree Credits for every existing tree 24 to 36 DBH - (15 Existing Trees Total)

Required:
North: 481 l.f. = 6 shade or evergreen trees + 29 large shrubs
North: 209 l.f. = 4 shade or evergreen trees + 13 large shrubs
East: 836 l.f. = 17 shade or evergreen trees + 50 large shrubs
East: 538 l.f. = 11 shade or evergreen trees + 32 large shrubs
South: 687 l.f. = 14 shade or evergreen trees + 41 large shrubs

Provided:
North: 6 shade or evergreen trees + 29 large shrubs
4 shade or evergreen trees + 13 large shrubs
East: 3 shade trees + 14 evergreen trees + 50 large shrubs
2 Existing Trees (16 Tree Credits) + 32 large shrubs
South: 2 Existing Trees (16 Tree Credits) + 41 large shrubs

STREET FRONTAGE
Requirement: Provide 1 shade or evergreen tree + 1 ornamental tree + 10 shrubs (30% evergreen, including trees)/100 l.f.
Required: Odell Street @ 1,400 l.f. = 15 shade/evergreen trees + 15 ornamental trees + 143 shrubs
Provided: 7 shade trees + 8 evergreen trees + 15 ornamental trees + 143 shrubs

STREET TREES
Requirement: N/A

North
0 30' 60' 120'
Scale 1" = 60'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
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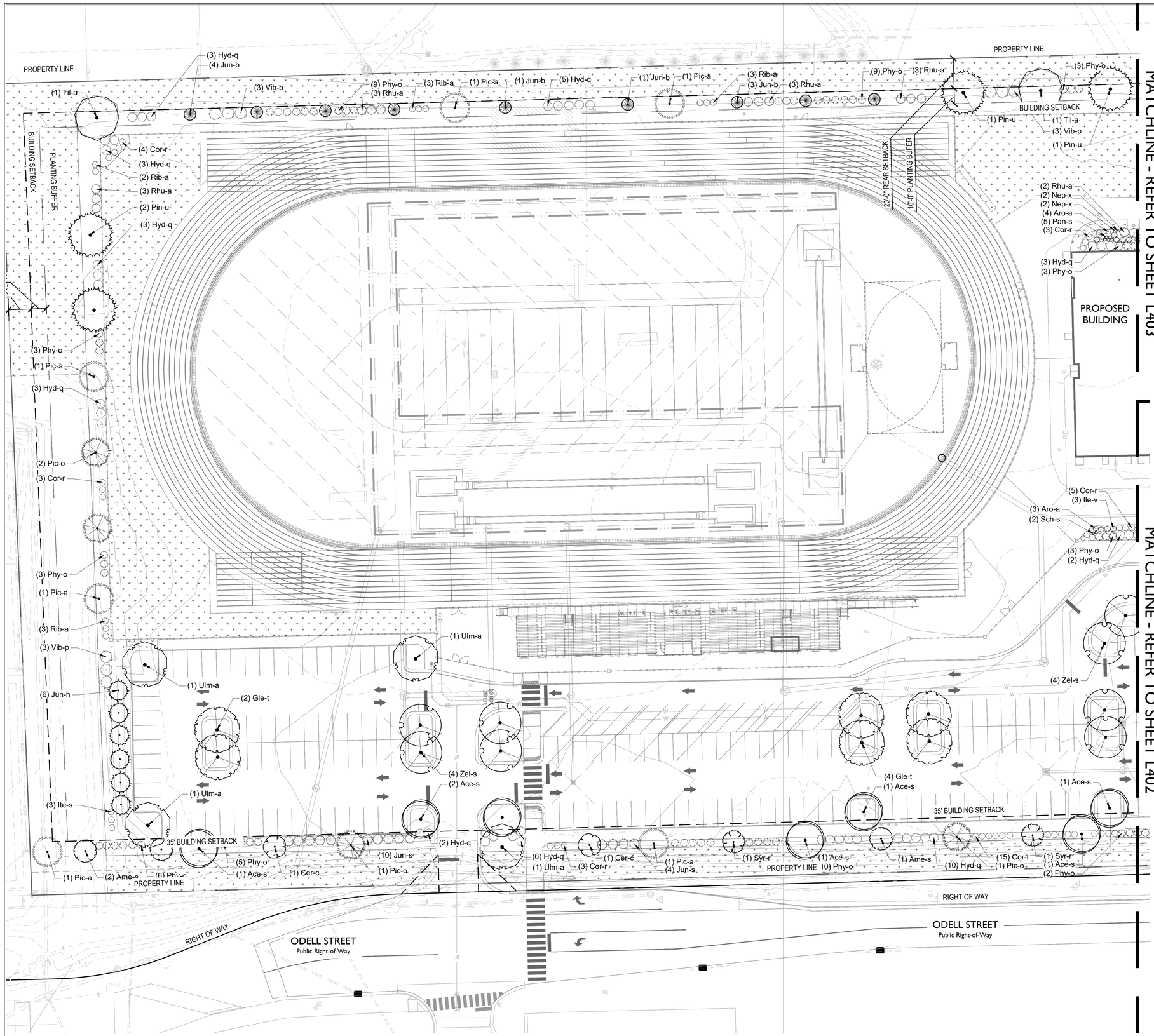
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DRAWING TITLE:
OVERALL PLANTING PLAN

CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L401

PROJECT NUMBER
23-1745



GENERAL LANDSCAPE AND PLANTING NOTES

1. Refer to Project Manual for Planting Specifications and Topsoil requirements. Refer to Plant Schedule and Planting Details for additional information.
2. All materials are subject to the approval of the Landscape Architect and Owner at any time. Landscape Architect to inspect all plant locations and plant bed conditions prior to installation. On-site adjustments may be required.
3. Rootballs shall meet or exceed size standards as set forth in 'American Standards for Nursery Stock'. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
4. Remove from the site any plant material that turns brown or defoliates within five (5) days after planting. Replace immediately with approved, specified material.
5. Plant counts indicated on drawings are for Landscape Architect's use only. Contractor shall make own plant quantity takeoffs using drawings, specifications, and plant schedule requirements (i.e., spacing), unless otherwise directed by Landscape Architect. Contractor to verify bed measurements and install appropriate quantities as governed by plant spacing per schedule. Plant material quantities shown on plan are minimum quantities. Additional material may be needed to meet spacing requirements and field conditions.
6. Seed all areas disturbed by construction activities that are not otherwise noted to receive pavement, planting bed, or sod treatment.
7. The Contractor shall install and/or amend topsoil in all proposed bed areas to meet Specifications. Contractor shall coordinate quantity and placement of topsoil. Landscaper shall verify depth of topsoil prior to plant installation. (Refer to specifications for topsoil source and placement requirements)
8. All tree locations shall be marked with 2x2" stakes prior to planting for review and approval by the Landscape Architect. Any plant material installed in an incorrect location, by the judgment of the Landscape Architect, shall be reinstalled at the Contractor's expense.
9. All plant beds shall receive 3" minimum of shredded hardwood bark mulch (unless otherwise noted).
10. Verify all utility locations in the field prior to beginning work. Repair all damaged utilities to Owner's satisfaction at no additional cost.
11. The Contractor shall maintain all plant material and lawns until the project is fully accepted by the Landscape Architect, unless otherwise noted.
12. All workmanship and materials shall be guaranteed by the Contractor for a period of one calendar year after Final Acceptance.
13. Install all plant material in accordance with all local codes and ordinances. Coordinate with the Owner to obtain any required permits necessary to complete work.
14. Contractor shall test all tree pits for drainage. Any tree pit that holds water for more than 24 hours shall be installed using tree pit drainage.
15. Tree Protection Fencing is the responsibility of the Contractor. Minimum protected area shall include the full drip line of the canopy. NO construction activities, material storage, etc. may occur within that area. The Contractor shall ensure that no soil compaction or tree damage occurs in any Protected areas, at any time during the construction process.
16. Trees shall be matched in groups unless otherwise noted.

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context DESIGN
5825 Lawton Loop East Drive | Indianapolis, IN 46216
317-485-9800 | www.context-design.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of size and quality of construction. They describe the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The Contract Documents are intended to describe all work required for full performance and completion of the requirements of the Contract.
The Contractor shall include material scope indicated or described in the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

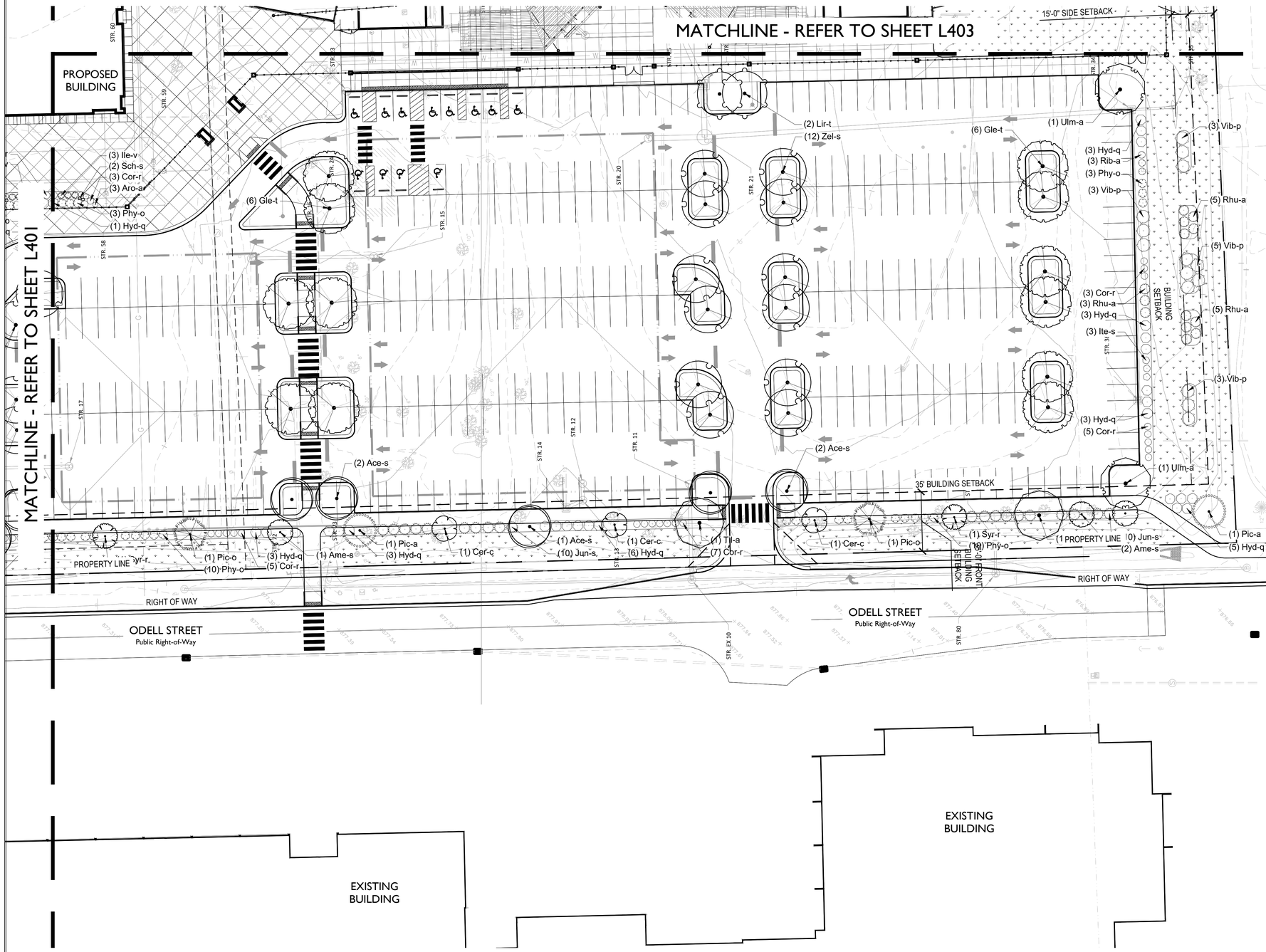
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
PLANTING PLAN

CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L401

PROJECT NUMBER
23-1745



GENERAL LANDSCAPE AND PLANTING NOTES

1. Refer to Project Manual for Planting Specifications and Topsoil requirements. Refer to Plant Schedule and Planting Details for additional information.
2. All materials are subject to the approval of the Landscape Architect and Owner at any time. Landscape Architect to inspect all plant locations and plant bed conditions prior to installation. On-site adjustments may be required.
3. Rootballs shall meet or exceed size standards as set forth in 'American Standards for Nursery Stock'. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
4. Remove from the site any plant material that turns brown or defoliates within five (5) days after planting. Replace immediately with approved, specified material.
5. Plant counts indicated on drawings are for Landscape Architect's use only. Contractor shall make own plant quantity takeoffs using drawings, specifications, and plant schedule requirements (i.e., spacing), unless otherwise directed by Landscape Architect. Contractor to verify bed measurements and install appropriate quantities as governed by plant spacing per schedule. Plant material quantities shown on plan are minimum quantities. Additional material may be needed to meet spacing requirements and field conditions.
6. Seed all areas disturbed by construction activities that are not otherwise noted to receive pavement, planting bed, or sod treatment.
7. The Contractor shall install and/or amend topsoil in all proposed bed areas to meet Specifications. Contractor shall coordinate quantity and placement of topsoil. Landscaper shall verify depth of topsoil prior to plant installation. (Refer to specifications for topsoil source and placement requirements)
8. All tree locations shall be marked with 2x2" stakes prior to planting for review and approval by the Landscape Architect. Any plant material installed in an incorrect location, by the judgment of the Landscape Architect, shall be reinstalled at the Contractor's expense.
9. All plant beds shall receive 3" minimum of shredded hardwood bark mulch (unless otherwise noted).
10. Verify all utility locations in the field prior to beginning work. Repair all damaged utilities to Owner's satisfaction at no additional cost.
11. The Contractor shall maintain all plant material and lawns until the project is fully accepted by the Landscape Architect, unless otherwise noted.
12. All workmanship and materials shall be guaranteed by the Contractor for a period of one calendar year after Final Acceptance.
13. Install all plant material in accordance with all local codes and ordinances. Coordinate with the Owner to obtain any required permits necessary to complete work.
14. Contractor shall test all tree pits for drainage. Any tree pit that holds water for more than 24 hours shall be installed using tree pit drainage.
15. Tree Protection Fencing is the responsibility of the Contractor. Minimum protected area shall include the full drip line of the canopy. NO construction activities, material storage, etc. may occur within that area. The Contractor shall ensure that no soil compaction or tree damage occurs in any Protected areas, at any time during the construction process.
16. Trees shall be matched in groups unless otherwise noted.

North

0 30' 30' 60'

Scale 1" = 30'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the building materials and finishes and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the satisfactory and complete completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

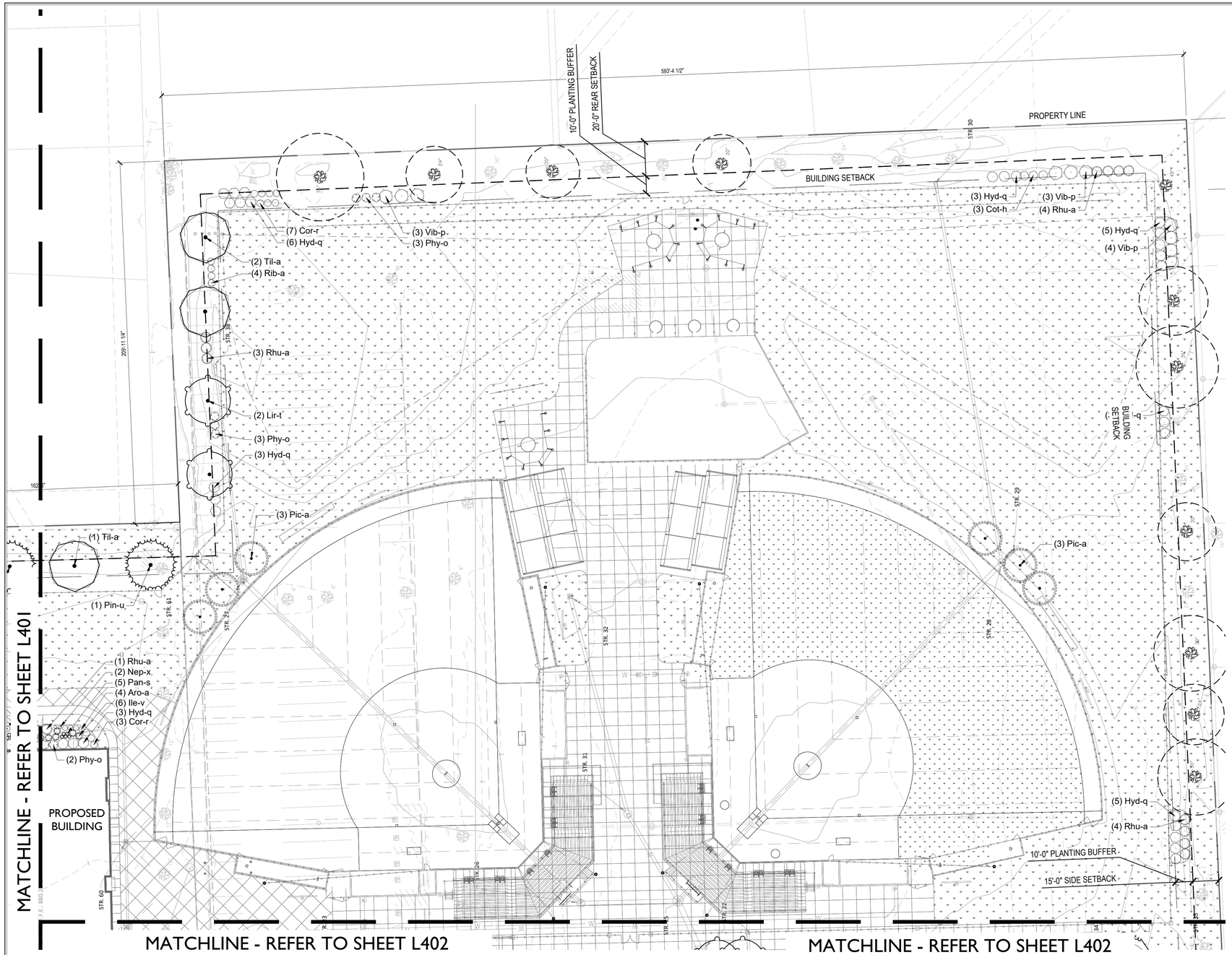
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
PLANTING PLAN

CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L402

PROJECT NUMBER
23-1745



GENERAL LANDSCAPE AND PLANTING NOTES

1. Refer to Project Manual for Planting Specifications and Topsoil requirements. Refer to Plant Schedule and Planting Details for additional information.
2. All materials are subject to the approval of the Landscape Architect and Owner at any time. Landscape Architect to inspect all plant locations and plant bed conditions prior to installation. On-site adjustments may be required.
3. Rootballs shall meet or exceed size standards as set forth in 'American Standards for Nursery Stock'. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
4. Remove from the site any plant material that turns brown or defoliates within five (5) days after planting. Replace immediately with approved, specified material.
5. Plant counts indicated on drawings are for Landscape Architect's use only. Contractor shall make own plant quantity takeoffs using drawings, specifications, and plant schedule requirements (i.e., spacing), unless otherwise directed by Landscape Architect. Contractor to verify bed measurements and install appropriate quantities as governed by plant spacing per schedule. Plant material quantities shown on plan are minimum quantities. Additional material may be needed to meet spacing requirements and field conditions.
6. Seed all areas disturbed by construction activities that are not otherwise noted to receive pavement, planting bed, or sod treatment.
7. The Contractor shall install and/or amend topsoil in all proposed bed areas to meet Specifications. Contractor shall coordinate quantity and placement of topsoil. Landscaper shall verify depth of topsoil prior to plant installation. (Refer to specifications for topsoil source and placement requirements)
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9. All plant beds shall receive 3" minimum of shredded hardwood bark mulch (unless otherwise noted).
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11. The Contractor shall maintain all plant material and lawns until the project is fully accepted by the Landscape Architect, unless otherwise noted.
12. All workmanship and materials shall be guaranteed by the Contractor for a period of one calendar year after Final Acceptance.
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16. Trees shall be matched in groups unless otherwise noted.

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction required for the project.
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REVISIONS:

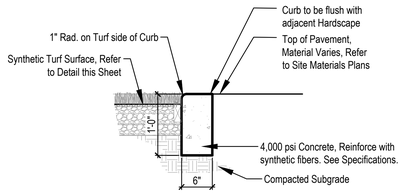
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
PLANTING PLAN

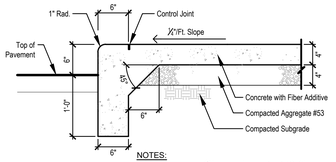
CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L403

PROJECT NUMBER
23-1745

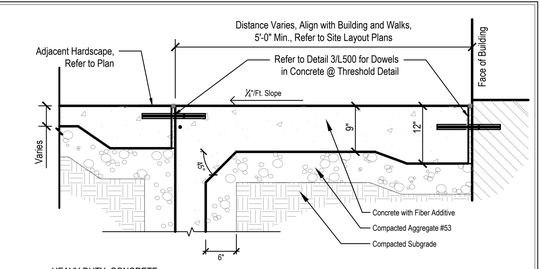


9 FLUSH PERIMETER NAILER CURB
1"=1'-0"

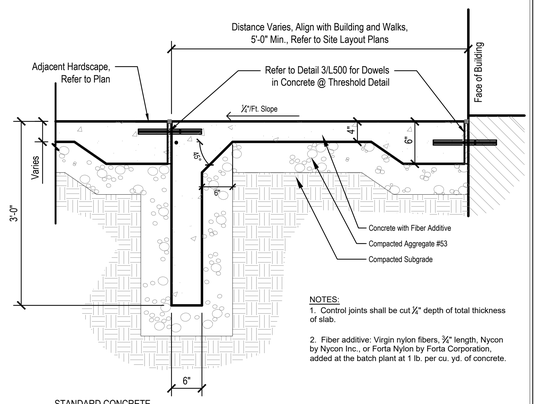


NOTES:
1. Curb shall have ½" expansion joints at 40'-0" max, control joints at 8'-0" max. unless otherwise noted.
2. Control joints shall be cut ¼" depth of total thickness of slab.
3. Fiber additive: Virgin nylon fibers, ¾" length, Nycon by Nycon Inc., or Forta Nylon by Forta Corporation, added at the batch plant at 1 lb. per cu. yd. of concrete.

6 INTEGRAL CONCRETE CURB & WALK
Scale: 1"=1'-0"



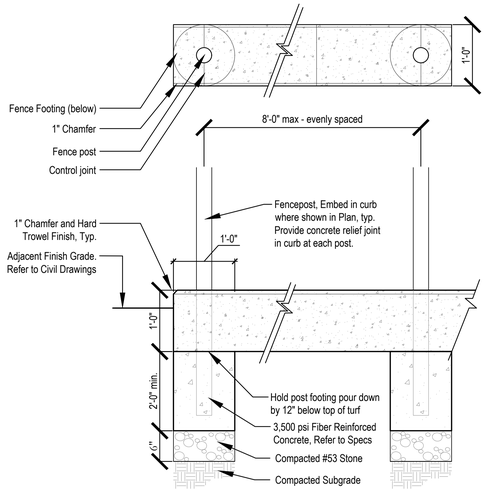
HEAVY DUTY CONCRETE

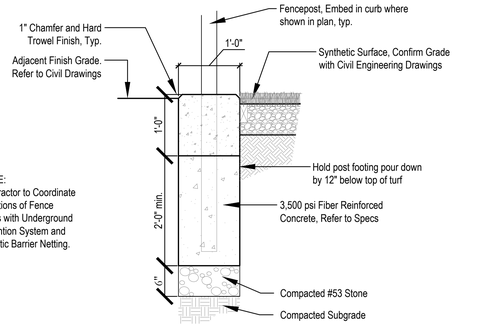


NOTES:
1. Control joints shall be cut ½" depth of total thickness of slab.
2. Fiber additive: Virgin nylon fibers, ¾" length, Nycon by Nycon Inc., or Forta Nylon by Forta Corporation, added at the batch plant at 1 lb. per cu. yd. of concrete.

STANDARD CONCRETE

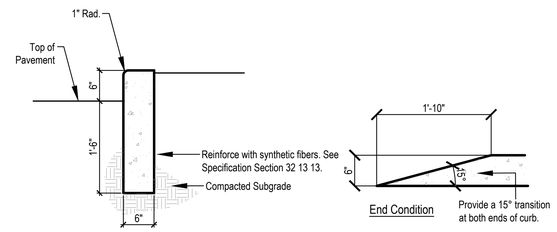
3 DOWELS IN CONCRETE @ THRESHOLD
Scale: 1" = 1'-0"



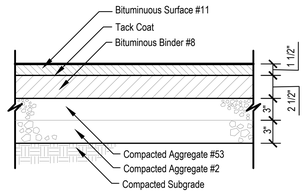


NOTE:
Contractor to Coordinate Locations of Fence Posts with Underground Detention System and Athletic Barrier Netting.

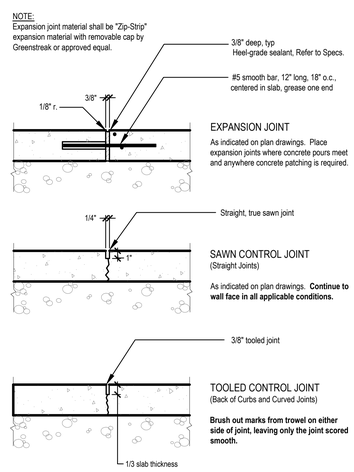
10 PERIMETER CURB NAILER WITH FENCING AT SYNTHETIC FIELDS
Scale: 3/4"=1'-0"



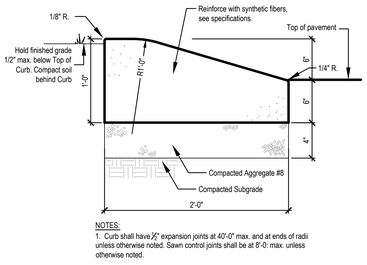
8 CONCRETE POST CURB
Scale: 1"=1'-0"



5 STANDARD ASPHALT PAVEMENT
Not to Scale

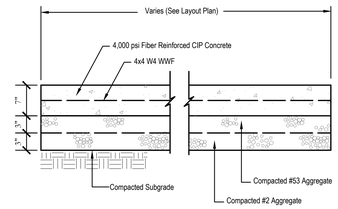


2 CONCRETE JOINTING
Not to Scale

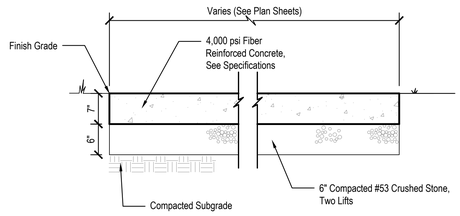


NOTES:
1. Curb shall have ½" expansion joints at 40'-0" max. and at ends of radii unless otherwise noted. Sawn control joints shall be at 8'-0" max. unless otherwise noted.

7 SLOPED CONCRETE CURB
Not to Scale



4 HEAVY DUTY CONCRETE
Not to Scale



NOTES:
1. Provide expansion joints at intersection with another sidewalk, between walks and building slabs, and at other points as indicated on the drawings.
2. Refer to plan drawings for locations of control and expansion joints.

1 STANDARD CONCRETE PAVEMENT
Scale: 1" = 1'-0"

Brownsburg Community School Corporation
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context DESIGN
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317-485-6900 | www.context-design.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction and materials required for the project.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the Contractor shall furnish all labor and materials required for the proper execution and completion of the work.

REVISIONS:

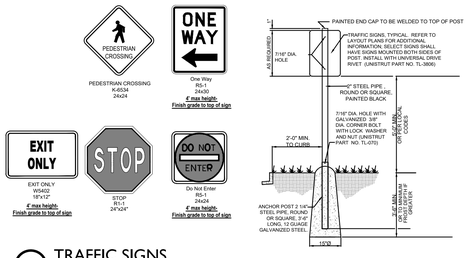
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

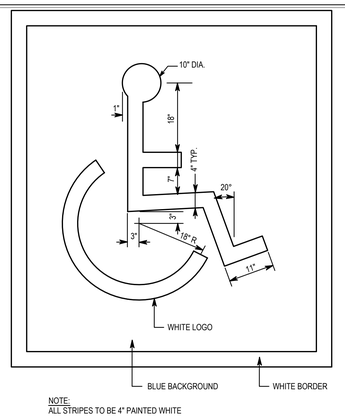
CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L601

PROJECT NUMBER
23-1745

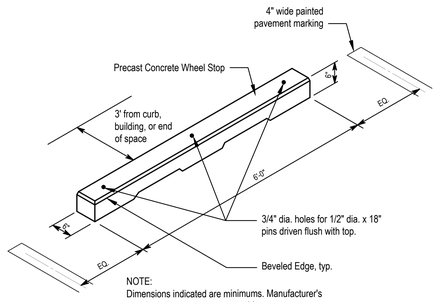


8 TRAFFIC SIGNS
Not to Scale



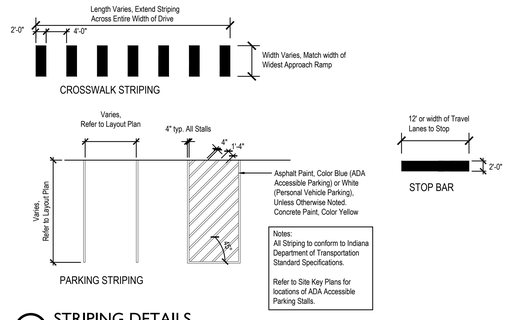
NOTE:
ALL STRIPES TO BE 4" PAINTED WHITE

6 ACCESSIBLE PARKING SYMBOL
Not to Scale

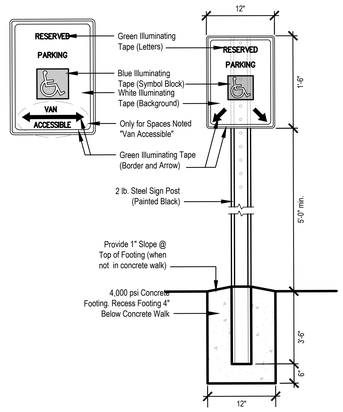


NOTE:
Dimensions indicated are minimums. Manufacturer's standards in excess are acceptable.

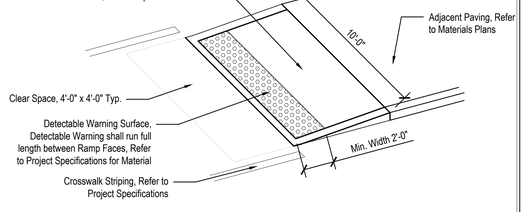
3 WHEEL STOP
Not to Scale



7 STRIPING DETAILS
Scale: 1" = 1'-0"

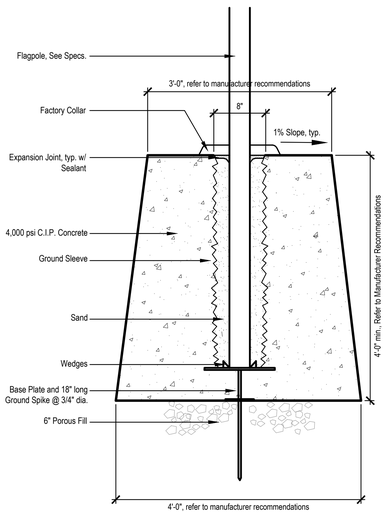


5 ACCESSIBLE PARKING SIGN
Not to Scale

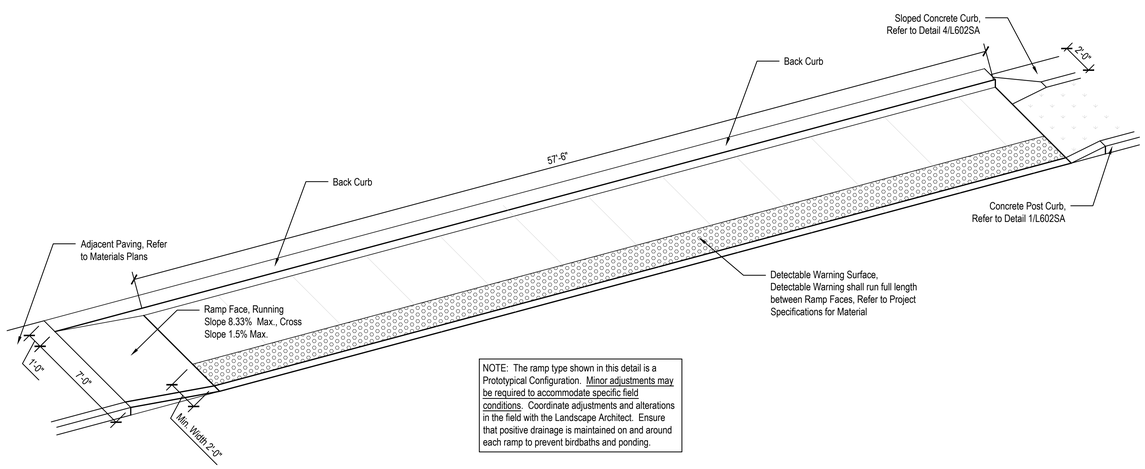


NOTE: The ramp type shown in this detail is a Prototypical Configuration. Minor adjustments may be required to accommodate specific field conditions. Coordinate adjustments and alterations in the field with the Landscape Architect. Ensure that positive drainage is maintained on and around each ramp to prevent birdbaths and ponding.

2 STRAIGHT RAMP, NO CURB
Scale: 1/4" = 1'-0"



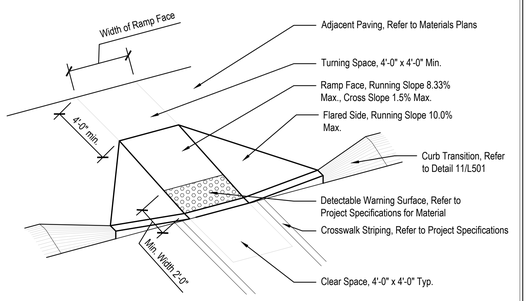
9 PROTOTYPICAL FLAGPOLE FOOTING
Scale: 1" = 1'-0"



NOTE: The ramp type shown in this detail is a Prototypical Configuration. Minor adjustments may be required to accommodate specific field conditions. Coordinate adjustments and alterations in the field with the Landscape Architect. Ensure that positive drainage is maintained on and around each ramp to prevent birdbaths and ponding.

4 PARALLEL CURB RAMP
Scale: 1/4" = 1'-0"

NOTE: The ramp type shown in this detail is a Prototypical Configuration. Minor adjustments may be required to accommodate specific field conditions. Coordinate adjustments and alterations in the field with the Landscape Architect. Ensure that positive drainage is maintained on and around each ramp to prevent birdbaths and ponding.



1 FLARE RAMP
Scale: 1/4" = 1'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
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REVISIONS:

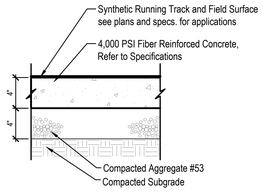
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

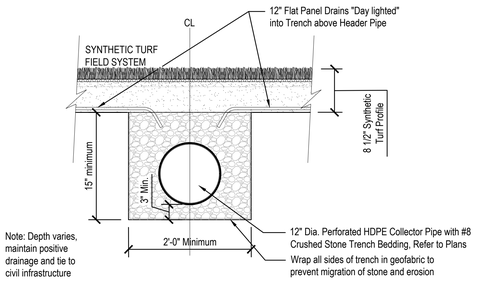
CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L602

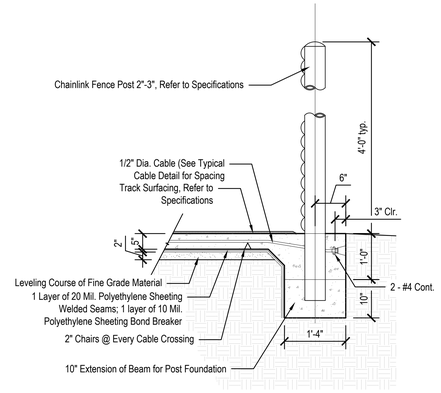
PROJECT NUMBER
23-1745



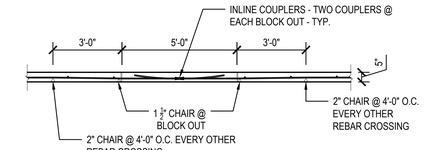
11 TRACK PAVEMENT - CONCRETE BASE
Not to Scale



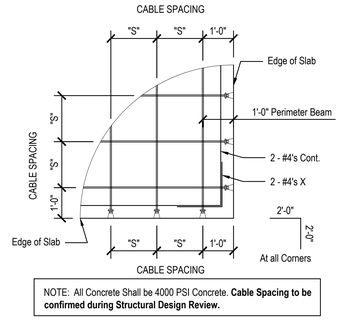
10 SYNTHETIC TURF COLLECTOR, 12" PIPE
Scale: Not to Scale



7 PERIMETER BEAM & FENCE POST
NOT TO SCALE



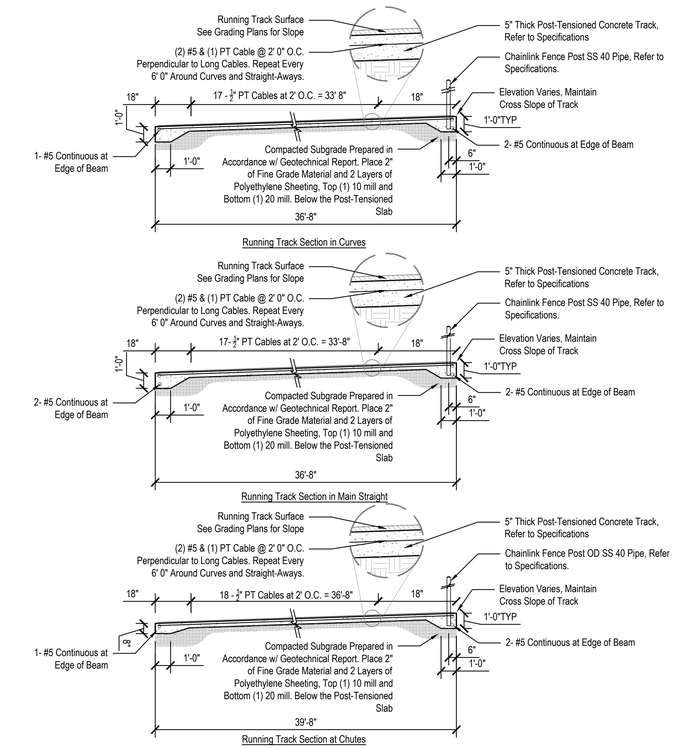
3 INLINE COUPLER - SECTION
Scale: 3/8" = 1'-0"



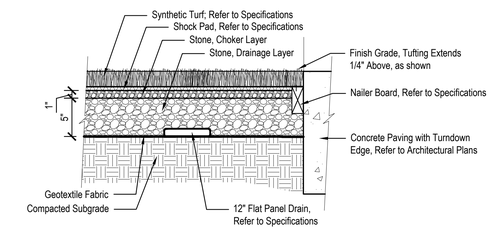
NOTE: All Concrete Shall be 4000 PSI Concrete. **Cable Spacing to be confirmed during Structural Design Review.**

SLAB LENGTH	CABLE LENGTH
0'-100'	"S" = 3'-4"
100'-200'	"S" = 2'-6"
>200'	"S" = 2'-0"

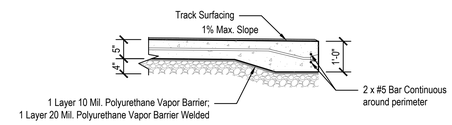
6 TYPICAL CABLE SPACING
Scale: 1/2" = 1'-0"



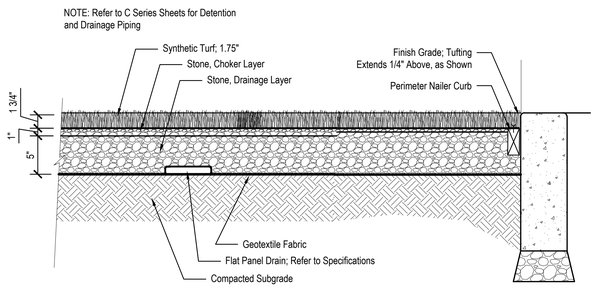
2 ALTERNATE RUNNING TRACK SECTION
NOT TO SCALE



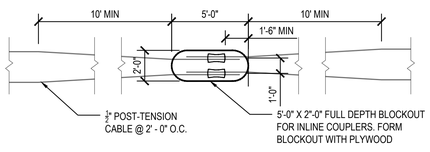
9 SYNTHETIC TURF PROFILE - FIELD SPORTS
Scale: 1-1/2" = 1'-0"



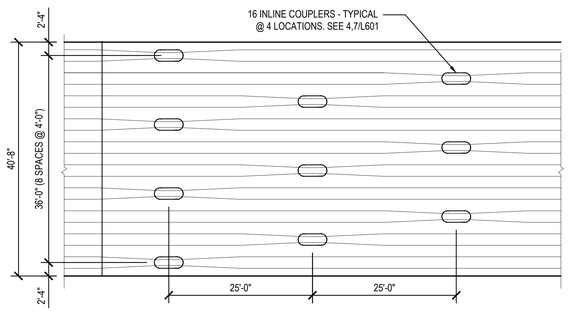
5 TRACK EDGE SECTION
Scale: 3/4" = 1'-0"



8 SYNTHETIC TURF - DIMOND SPORTS
Scale: 1-1/2" = 1'-0"



4 INLINE COUPLER BLOCKOUT DETAIL
Scale: 1/4" = 1'-0"



1 INLINE COUPLER LAYOUT PLAN
Scale: 3/32" = 1'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structure, mechanical and electrical systems. The Specifications and these drawings together describe all work required for full performance and completion of the requirements of the Contract.
The Contractor shall provide all material scope indicated or described in the trade contractor's bid to furnish all items required for the proper execution and completion of the work.

REVISIONS:

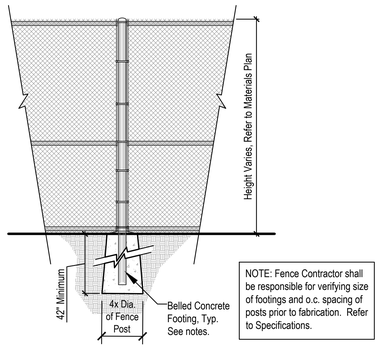
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

CERTIFIED BY:
NOT FOR CONSTRUCTION

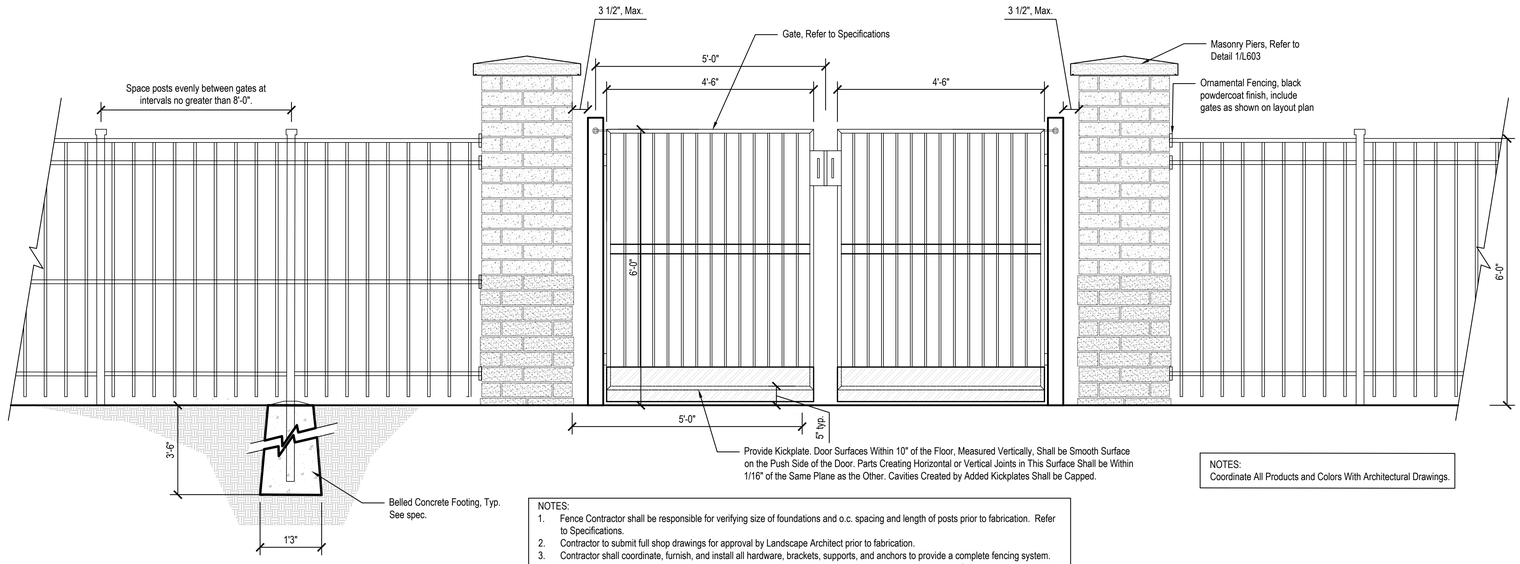
DRAWING NUMBER
L603

PROJECT NUMBER
23-1745



NOTE: Fence Contractor shall be responsible for verifying size of footings and o.c. spacing of posts prior to fabrication. Refer to Specifications.

5 CHAIN LINK FENCE
SCALE: 1/2" = 1'-0"

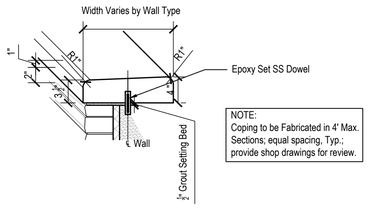


Provide Kickplate. Door Surfaces Within 10" of the Floor, Measured Vertically, Shall be Smooth Surface on the Push Side of the Door. Parts Creating Horizontal or Vertical Joints in This Surface Shall be Within 1/16" of the Same Plane as the Other. Cavities Created by Added Kickplates Shall be Capped.

NOTES:
Coordinate All Products and Colors With Architectural Drawings.

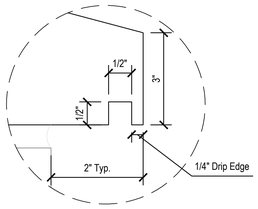
NOTES:
1. Fence Contractor shall be responsible for verifying size of foundations and o.c. spacing and length of posts prior to fabrication. Refer to Specifications.
2. Contractor to submit full shop drawings for approval by Landscape Architect prior to fabrication.
3. Contractor shall coordinate, furnish, and install all hardware, brackets, supports, and anchors to provide a complete fencing system.
4. Miter cut, weld clean, and grind smooth all visible metal connections. all material shall be black powdercoat finish.

2 ORNAMENTAL FENCE ELEVATION
Scale: 3/4" = 1'-0"

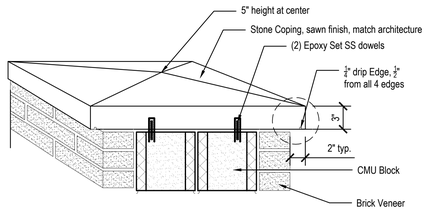


NOTE:
Coping to be Fabricated in 4' Max. Sections; equal spacing, Typ.; provide shop drawings for review.

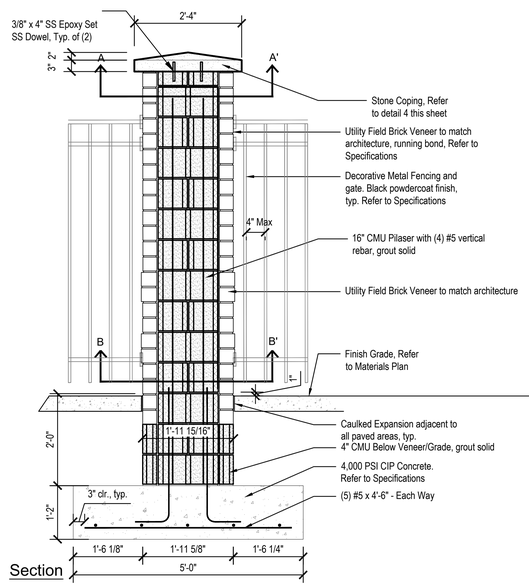
4 PRE-CAST COPING
Scale: 1-1/2" = 1'-0"



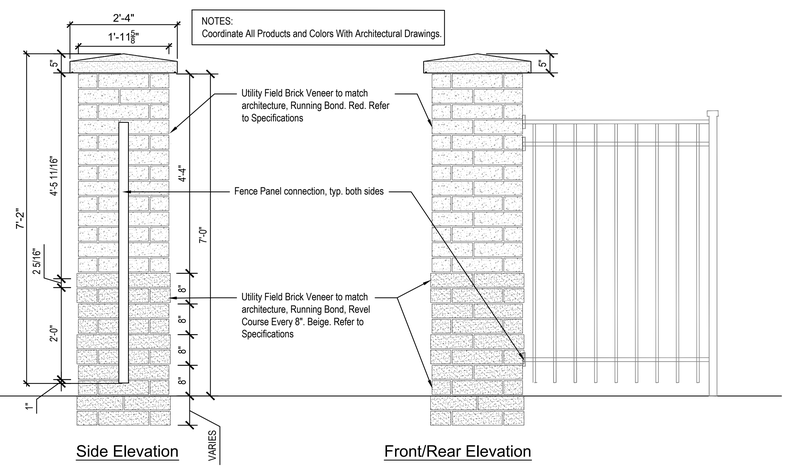
Enlarged Drip Edge; Not To Scale



3 MASONRY PIER COPING
Scale: 1 1/2" = 1'-0"



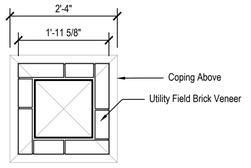
Section



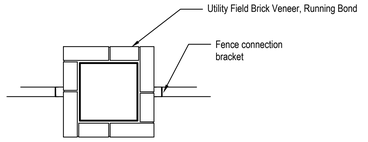
Side Elevation

Front/Rear Elevation

NOTES:
Coordinate All Products and Colors With Architectural Drawings.



AA': Plan Detail at Coping



BB': Plan Detail at Base

1 MASONRY PIER
Scale: 3/4" = 1'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings are not intended to completely describe all work required for full performance and completion of the requirements of the Contract.
The Trade Contractors shall furnish all scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

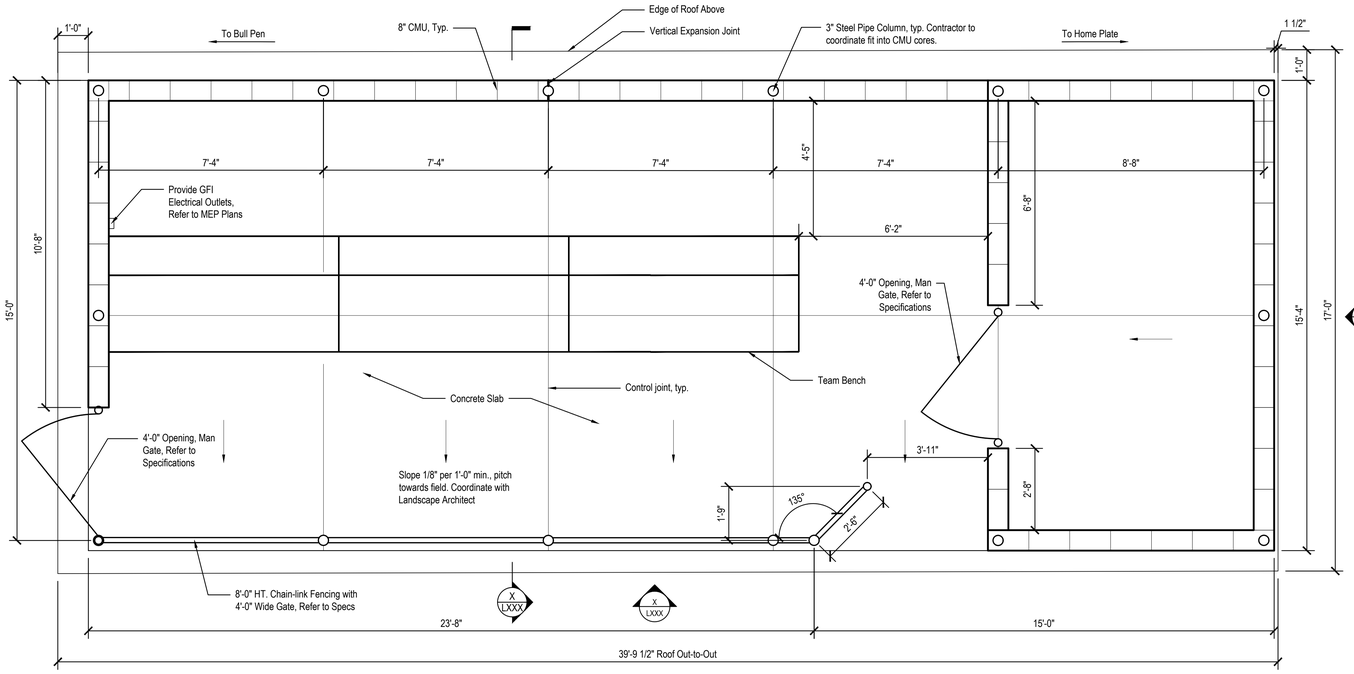
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

CERTIFIED BY:
NOT FOR CONSTRUCTION

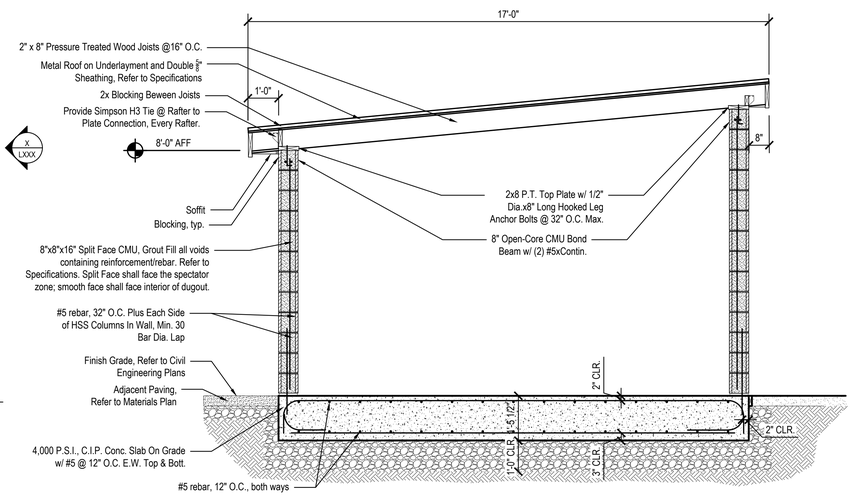
DRAWING NUMBER
L604

PROJECT NUMBER
23-1745



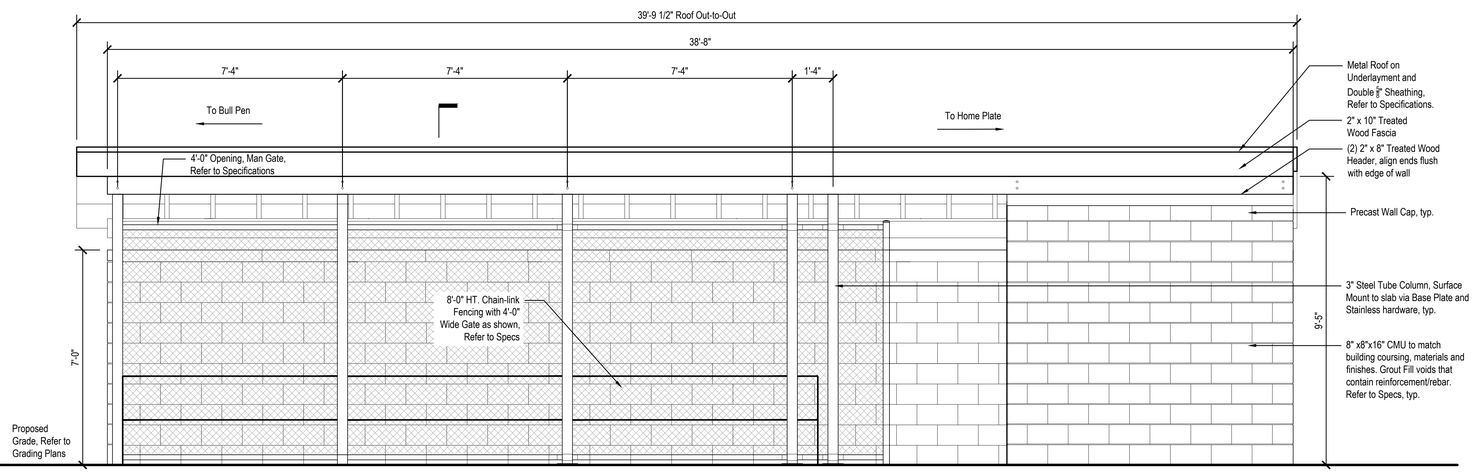
4 FIRST BASE DUGOUT PLAN - SOFTBALL

Scale: 1/2" = 1'-0"



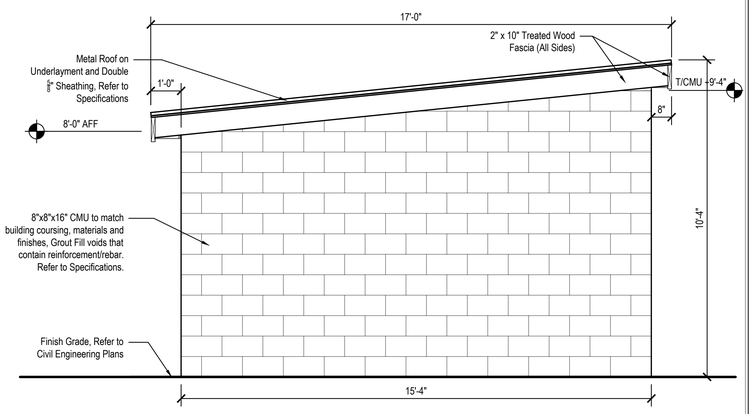
2 FIRST BASE DUGOUT SECTION - AT CLOSET

Scale: 1/2" = 1'-0"



3 FIRST BASE DUGOUT ELEVATION - SOFTBALL

Scale: 1/2" = 1'-0"



1 FIRST BASE MASONRY DUGOUT ELEVATION - SOFTBALL

Scale: 1/2" = 1'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the general requirements of the type of structural, mechanical and electrical systems.
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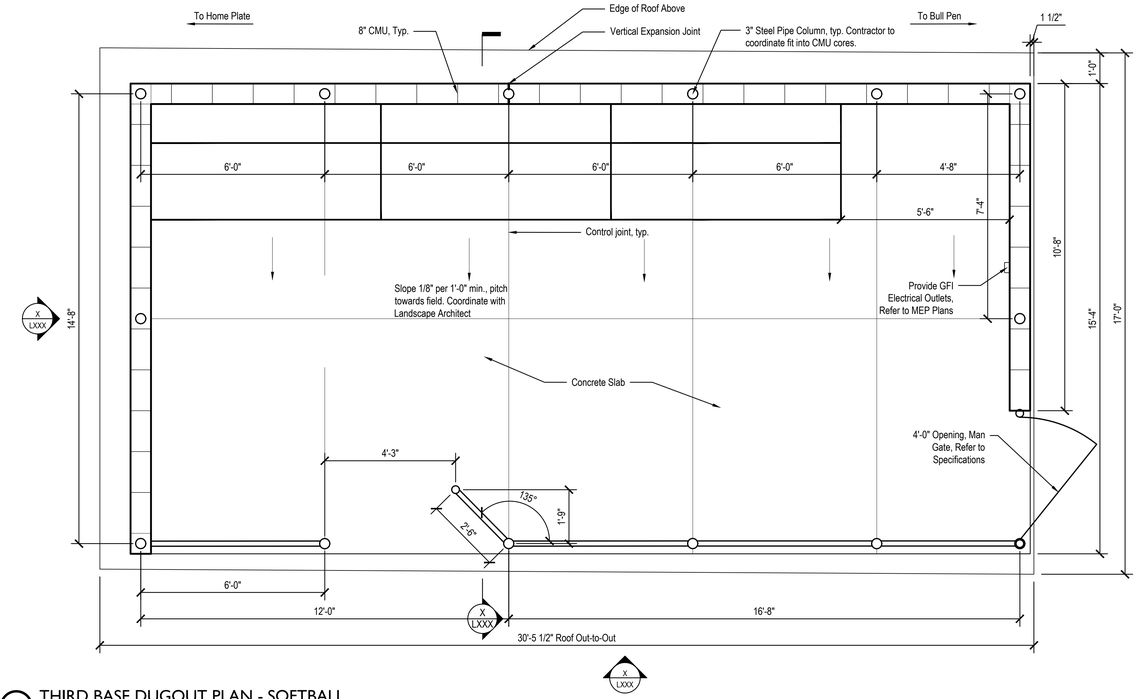
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

CERTIFIED BY:
NOT FOR CONSTRUCTION

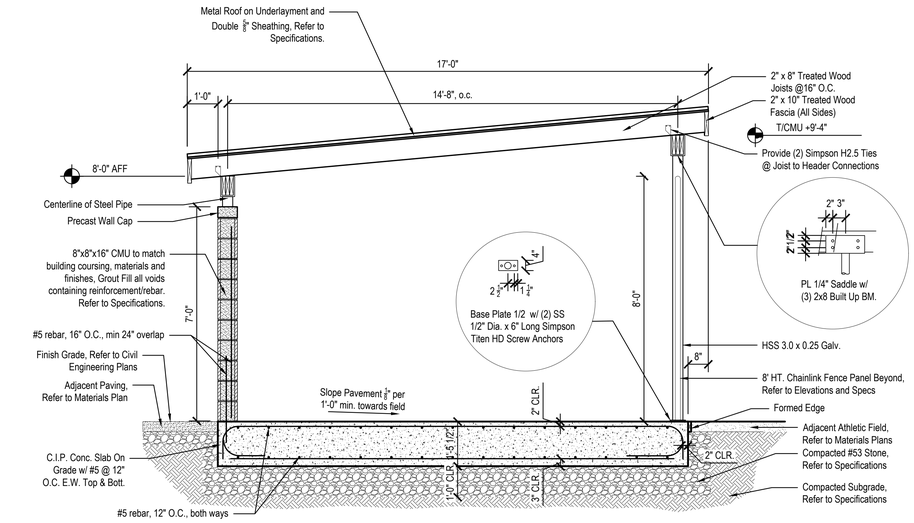
DRAWING NUMBER
L605

PROJECT NUMBER
23-1745



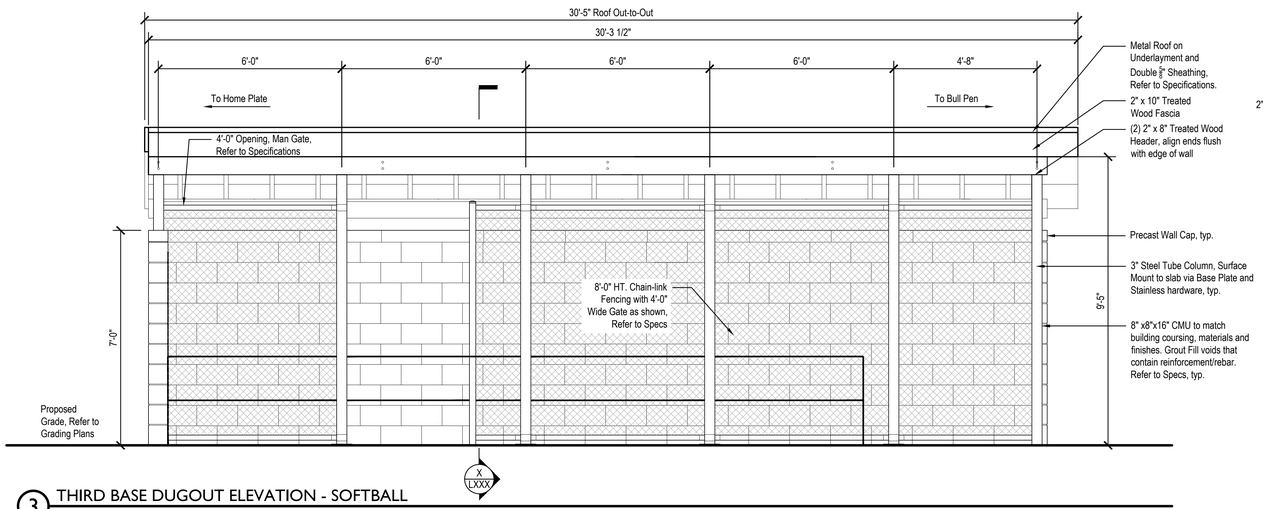
4 THIRD BASE DUGOUT PLAN - SOFTBALL

Scale: 1/2" = 1'-0"



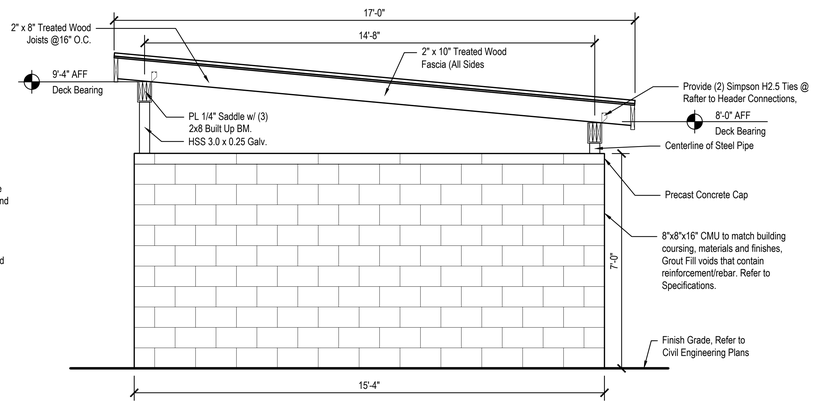
2 FIRST & THIRD BASE DUGOUT SECTION - SOFTBALL

Scale: 1/2" = 1'-0"



3 THIRD BASE DUGOUT ELEVATION - SOFTBALL

Scale: 1/2" = 1'-0"



1 THIRD BASE DUGOUT ELEVATION - SOFTBALL

Scale: 1/2" = 1'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the basic requirements of each of the type of structural, mechanical and electrical systems.
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On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

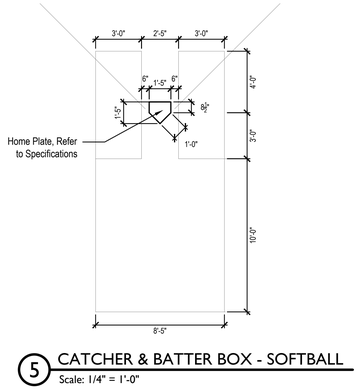
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

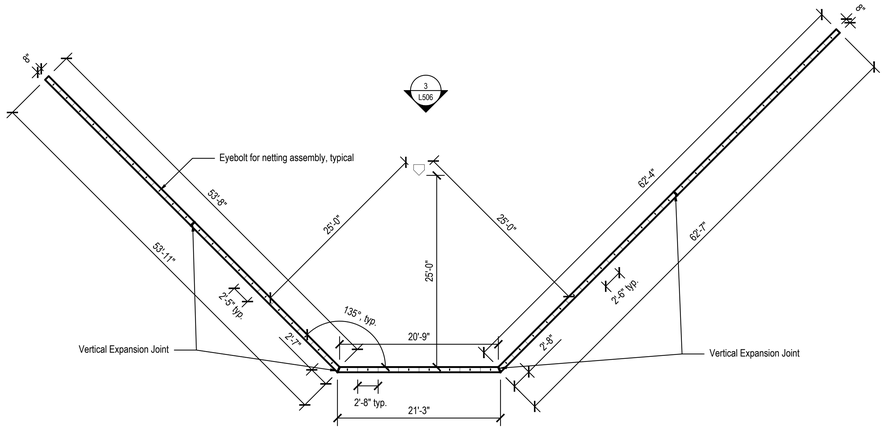
CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L606

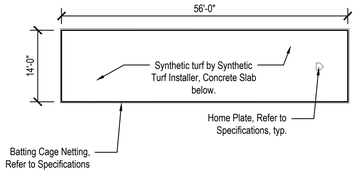
PROJECT NUMBER
23-1745



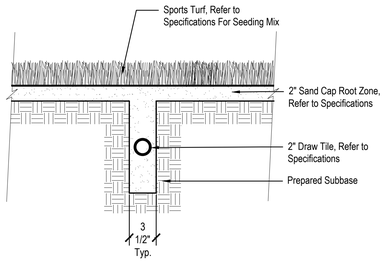
5 CATCHER & BATTER BOX - SOFTBALL
Scale: 1/4" = 1'-0"



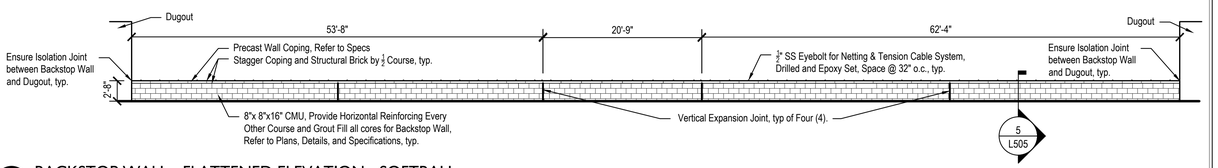
2 BACKSTOP WALL - ENLARGED PLAN - SOFTBALL
Scale: 1/8" = 1'-0"



4 BATTING TUNNEL SURFACING - ENLARGED PLAN
Not to Scale



3 NATURAL TURF - TYPICAL ROOT ZONE SECTION
Scale: 1-1/2" = 1'-0"



1 BACKSTOP WALL - FLATTENED ELEVATION - SOFTBALL
Scale: 1/8" = 1'-0"

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. In addition, they establish the quality standards for the finishes of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for full performance and completion of the contractors' obligations.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

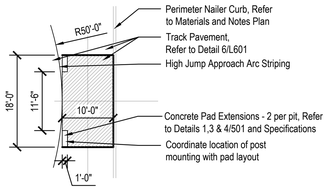
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

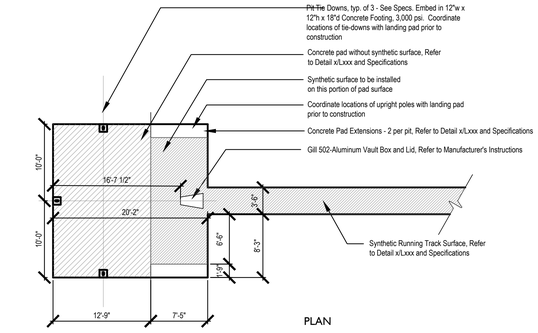
CERTIFIED BY:
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DRAWING NUMBER
L607

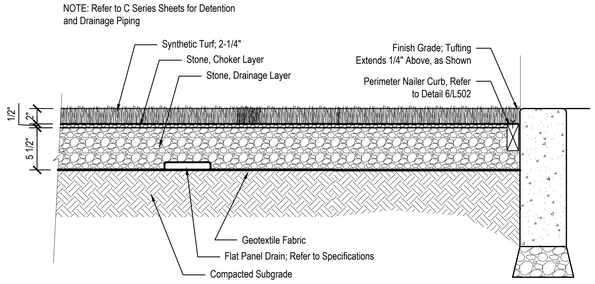
PROJECT NUMBER
23-1745



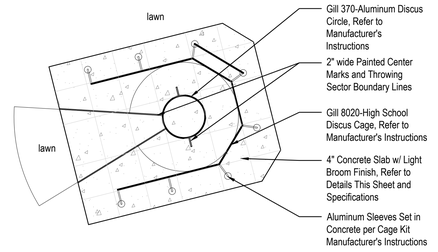
5 HIGH JUMP PIT
Not to Scale



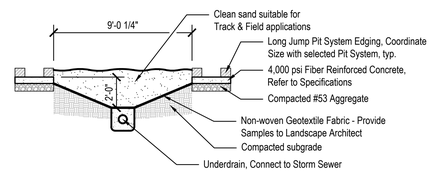
3 POLE VAULT PIT
Not to scale



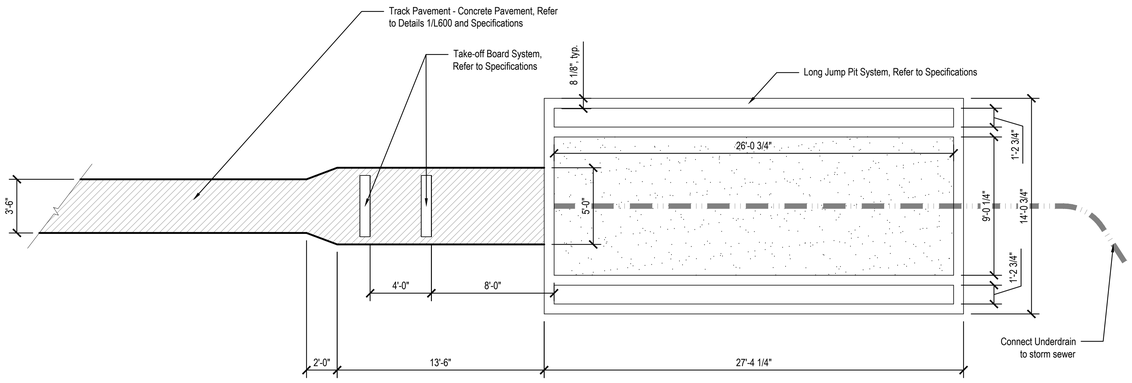
4 SYNTHETIC TURF - TYPICAL SECTION
Scale: 1-1/2" = 1'-0"



2 DISCUS AREA
Not to Scale



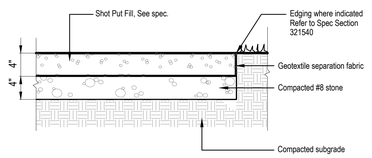
SECTION



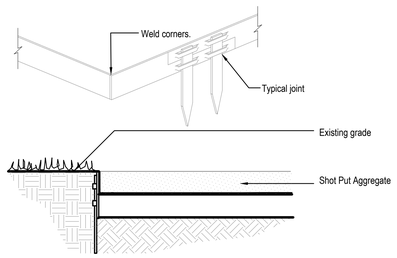
All-weather IHSAA long jump lane with synthetic surface and sand pit. See specs. The long jump landing pit shall be contained by a 6" wide x 18" deep cast-in-place concrete curb with top elevation set $\frac{1}{2}$" above take-off-board. An underdrain shall run the length of pit and connect to nearest storm inlet.

PLAN

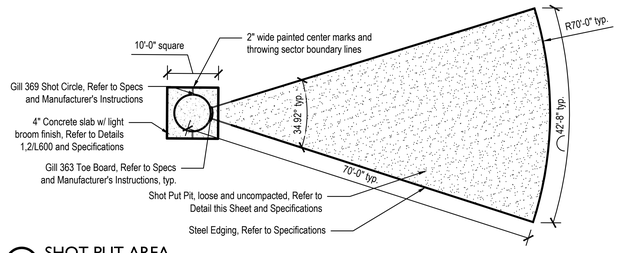
1 LONG JUMP PIT
Scale: 1/4" = 1'-0"



8 SHOT PUT PIT
Not to Scale



7 STEEL EDGE
Not to Scale



6 SHOT PUT AREA
1"=1'-0"

Brownsburg Community School Corporation
Higher Achievement • Together

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317.848.2800 | csoinc.net

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context DESIGN
5825 Lawton Loop East Drive | Indianapolis, IN 46216
317-485-6900 | www.context-design.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings are not intended to completely describe all work required for full performance and completion of the requirements of the Contract.
The Contractor shall furnish all scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

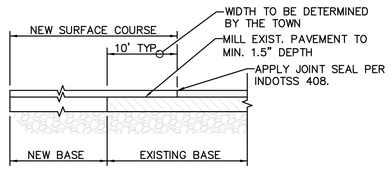
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L608

PROJECT NUMBER
23-1745



CONNECTION TO EXISTING STREETS
NO SCALE

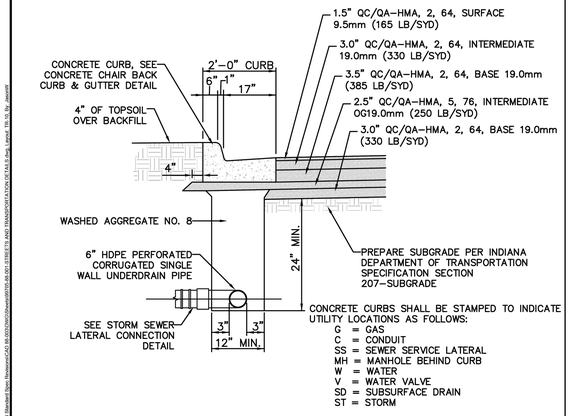
NOTE:

THIS DETAIL SHALL BE USED FOR CONNECTING TO THE END OF AN EXISTING STREET.

EXISTING PAVEMENT SHALL BE SAW CUT, FULL DEPTH, AT A UNIFORM LOCATION INSIDE OF THE EXISTING EDGE OF PAVEMENT, WHERE THE PAVEMENT IS IN GOOD CONDITION AND WILL PROVIDE AN INTERFACE WITH THE FULL PAVEMENT SECTION LINE AND GRADE, FREE FROM LOOSE, DAMAGED, DETERIORATED OR OTHERWISE COMPROMISED MATERIAL; A MINIMUM OF SIX (6) INCHES FROM THE EXISTING EDGE OF PAVEMENT FOR THE FULL WIDTH OF THE EXISTING PAVEMENT; LOCATION OF SAW-CUT TO BE DETERMINED BY THE TOWN OF BROWNSBURG. THE ENTIRE AREA OF THE PROPOSED INTERFACE SHALL BE EXCAVATED TO THE PROPOSED SUBGRADE ELEVATION. THE SUBGRADE SHALL BE STABILIZED IN ACCORDANCE WITH TOWN OF BROWNSBURG STANDARDS AND SPECIFICATIONS. AFTER THE SUBGRADE HAS BEEN STABILIZED AND APPROVED, EXISTING HMA PAVEMENT WILL BE SURFACE MILLED 10 FEET ALONG THE NEW SAW-CUT END OF PAVEMENT TO PROVIDE A WATER STOP AND SMOOTH TRANSITION TO THE NEW PAVEMENT WHEN THE SURFACE MIX IS APPLIED. THE NEW PAVEMENT SECTION SHALL BE INSTALLED IN ACCORDANCE WITH TOWN STANDARDS AND SPECIFICATIONS.

TOWN OF BROWNSBURG
DETAIL NO. TR-13
REVISION DATE: SEPT 2016

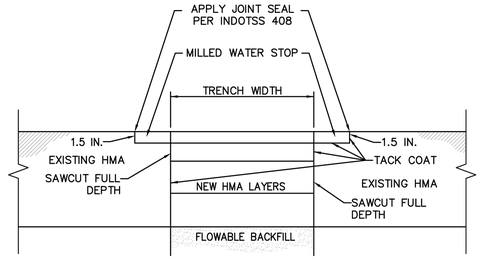
6 CONNECTION TO EXISTING
Not to Scale



COMMERCIAL & INDUSTRIAL STREET PAVEMENT & UNDERDRAIN PIPE DETAIL
NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. TR-10
REVISION DATE: SEPT 2016

4 ASPHALT ROW DETAIL
Not to Scale



HMA PAVEMENT TRENCH REPAIR DETAIL
NO SCALE

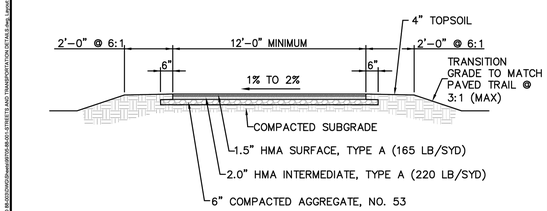
NOTE:

TRENCH SHALL BE SAW-CUT FULL DEPTH THROUGH PAVEMENT SECTION FOR THE ENTIRE LENGTH OF THE TRENCH, ON ALL SIDES WITHIN THE PAVEMENT. IF EDGES OF THE EXISTING PAVEMENT ARE CHIPPED OR DAMAGED AS A RESULT OF THE TRENCH PROJECT, GREATER THAN THE 12 INCH MILLING AREA FOR THE WATER STOP, THE DAMAGED PAVEMENT SHALL BE MILLED OR FULL DEPTH SAW-CUT AND REMOVED BEYOND THE DAMAGED EDGE FOR THE ENTIRE LENGTH OF THE TRENCH, TO THE SATISFACTION OF THE TOWN OR THE TOWN'S ENGINEER.

FLOWABLE BACKFILL, PER THE TOWN'S SPECIFICATION, SHALL BE USED TO BACKFILL THE TRENCH TO THE BOTTOM OF THE PAVEMENT SECTION. 12 INCHES ON ALL SIDES OF THE TRENCH SHALL BE SURFACE MILLED 1.5 INCHES DEEP TO CREATE A WATER STOP. ALL SURFACES TO RECEIVE HMA SHALL BE TACK COATED. A PAVEMENT SECTION APPROVED BY THE TOWN SHALL BE INSTALLED TO TOWN STANDARDS AND SPECIFICATIONS.

TOWN OF BROWNSBURG
DETAIL NO. TR-15
REVISION DATE: SEPT 2016

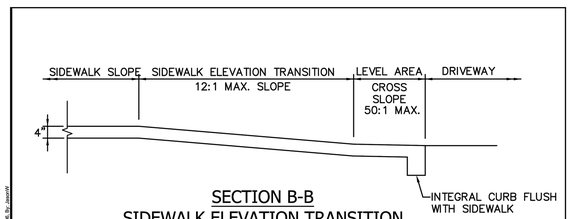
2 HMA PAVEMENT TRENCH REPAIR DETAIL
Not to Scale



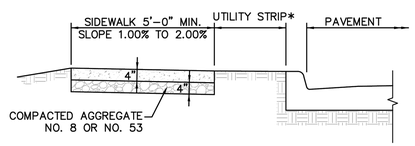
TYPICAL TRAIL CROSS SECTION
NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. RS-08
REVISION DATE: SEPT 2016

5 ASPHALT ROW DETAIL
Not to Scale



SECTION B-B
SIDEWALK ELEVATION TRANSITION



SECTION A-A
SIDEWALK WITH UTILITY STRIP

* UTILITY STRIP WIDTH SHALL COMPLY WITH THE CURRENT TOWN OF BROWNSBURG SUBDIVISION CONTROL ORDINANCE AND CURRENT TOWN OF BROWNSBURG THOROUGHFARE PLAN.

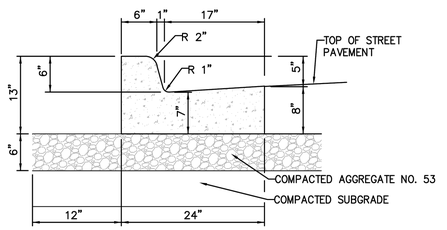
CONCRETE SIDEWALK DETAIL
NO SCALE

NOTE:

CONCRETE SIDEWALK SHALL BE INSTALLED ON COMPACTED SUBGRADE. NO. 8 OR NO. 53 STONE SHALL BE INSTALLED AND COMPACTED ON THE APPROVED SUBGRADE. CONCRETE SHALL BE INDOT CLASS A CONCRETE AND IT SHALL HAVE A 28-DAY MINIMUM CONCRETE COMPRESSIVE STRENGTH OF 4,000 PSI. WHERE A SIDEWALK PASSES THROUGH A DRIVE APPROACH, IT SHALL BE THE SAME THICKNESS AS THE ADJACENT CONCRETE DRIVE, THE CONCRETE EQUIVALENT FOR THE ADJACENT HMA DRIVE, OR SIX (6) INCHES, WHICHEVER IS GREATER.

TOWN OF BROWNSBURG
DETAIL NO. TR-06
REVISION DATE: SEPT 2016

3 CONCRETE SIDEWALK DETAIL
Not to Scale



CONCRETE CHAIR BACK CURB & GUTTER
NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. TR-01
REVISION DATE: SEPT 2016

1 CONCRETE CHAIR BACK CURB AND GUTTER
Not to Scale

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, and the major components of the work of the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all work required for the complete and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

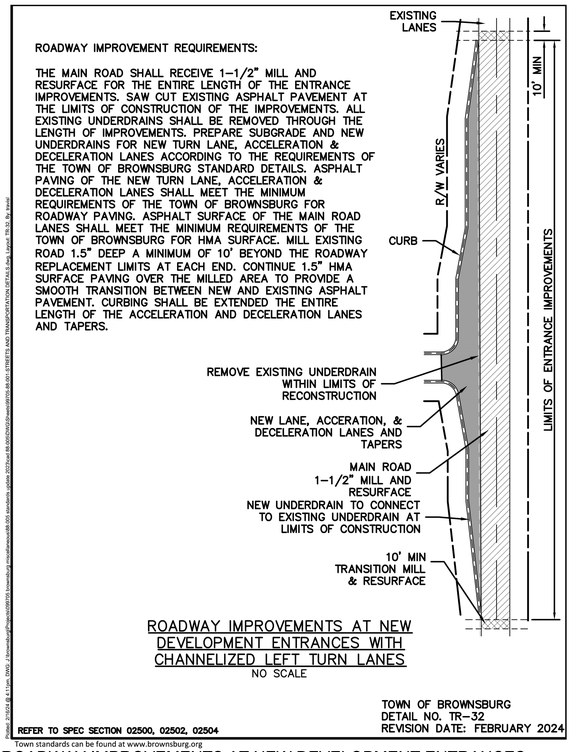
ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

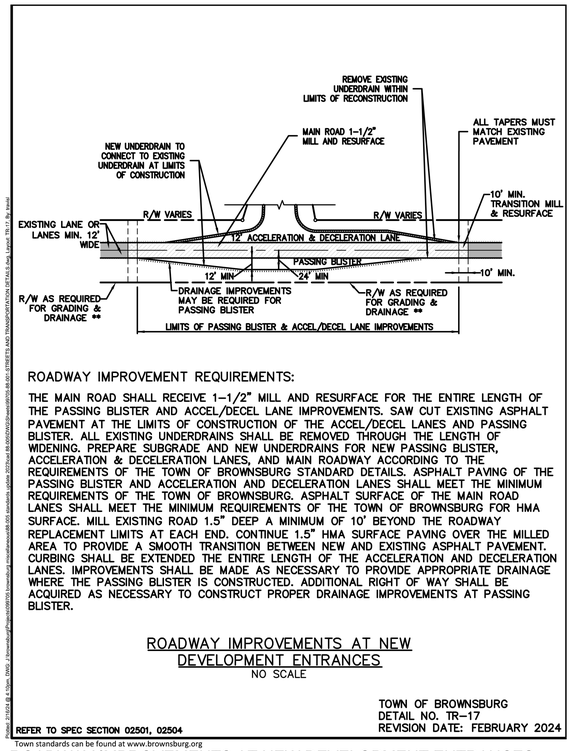
CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L609

PROJECT NUMBER
23-1745



2 ROADWAY IMPROVEMENTS AT NEW DEVELOPMENT ENTRANCES
Not to Scale



1 ROADWAY IMPROVEMENTS AT NEW DEVELOPMENT ENTRANCES
Not to Scale

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PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
PERMIT REVIEW SET
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The Contract Documents, when complete, will describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
10/06/25	KGK	CCH/FJP

DRAWING TITLE:
SITE DETAILS

CERTIFIED BY:
NOT FOR CONSTRUCTION

DRAWING NUMBER
L610

PROJECT NUMBER
23-1745

NAVENTIAM DESIGN

ENGINEERING MEMORANDUM

TO:	TOWN OF BROWNSBURG TECH COMMITTEE
C/O:	LAUREN BOUSLOG
FROM:	KELLY CANTER, PE
SUBJECT:	BHS EAST ATHLETICS
DATE:	OCTOBER 30, 2025
CC:	FILE, BCSC, CONTEXT DESIGN, CSO

Dear Lauren Bouslog,

Thank you for your comments on October 16th. We appreciate the time and attention put into the review of this project.

Please see the comment responses below with respect to the review from your office.

1) DEVELOPMENT SERVICES

a) Add material percentages for each façade to your architectural details attachment.
Noted. See attached revised exterior elevation sheet which indicates the percentage of exterior materials based on each of the provided elevations.

b) Put the square footage on your proposed building.
Noted. Proposed building square footage has been added to sheets L100 and L401.

c) Put a dimension on the building setback (ex. 35' building setback), write Public Right-of-Way under Odell Street, and put vision clearance triangles on your landscape plan.
Noted. 35' building setback dimensions added to plans in sheet L100. "Public Right of Way" Label added to plans under "Odell Street" label in sheet L100. Vision clearance triangles added and labeled in landscape plans, L401.

2) BUILDING

a) Should the perimeter of the site have an underdrain installed and tied into the storm system?
Noted. As discussed in the TECH Meeting (10/16/2025) all newly proposed impervious surfaces will be directed and captured in the new storm sewer network. All perimeter grading and swales are designed to capture as much impacted project site as possible. Any tie back grading is grass and continues on its original drainage pattern. Any additional runoff to the property edge will be negligible. Therefore, no perimeter underdrain is necessary.

5) WATER

a) All hydrants shall be totally RED in color/ Red w/ yellow bonnet signifies a private hydrant on a looped system. This proposed system is not looped, but a dead-end system.
Noted. Please see updated Hydrant Keynote W5 on updated C400-C408 Utility Plans.

b) The 2" pipe is listed as ductile-iron, which they don't make. The 2" pipe should be Endopure blue poly.
Noted. Please see updated Keynote W6 on updated C400-C408 Utility Plans.

c) The proposed building shows a 2" line and a 3" line entering the building. Is the 2" domestic and the 3" for fire sprinklers?
Noted. The 3" water line is entering the proposed building providing domestic water service. The 2" endure blue poly line is leaving the proposed building (metered) to provide domestic water at field located spigots.

d) There are no meters shows. The 2" line needs to have a meter pit at its point of origin. There are water spigots on this line that need to be metered. There is an existing 2" meter service that could service this purpose. All the new 2" line could be run from there. If this won't work, a new meter pit will need to be installed and the existing 2" service will need to be abandon at the tap on the main. If a new 2" meter pit is needed, I would not wait to long to get it ordered. It may take several months to get it. No substitution pits will be allowed.
Noted. The water meter is internal to proposed building. Therefore, no new meter pit is required.

e) At the 8" tap, your drawings shows two water mains. There should only be one and I believe you're going to find 6" ductile.
Noted. Per design plans in Brownsburg High School Senior Academy project, there was a rerouted 10" ductile water line that our 8" tap is connecting to. The secondary water main was not called out to be removed. Therefore, additional notes directing investigative hyrdovacing is called out on updated C400-C408 Utility Plans.

9) FIRE TERITORY

a. Following the TECH Meeting 10/16/25 I scaled the drawings and found the distance from back of curb to the furthest points of the building exterior to be approx. 280 feet. A fire department access gate and paving will be required to meet the requirements of IN Fire Code 503.1.1. 503.1.1 Buildings and facilities. Approved fire apparatus access roads shall be provided for every facility building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road shall comply with the requirements of this section and shall extend to within 150 feet (45.72m) of all portions of the facility and all portions of the exterior walls of the first story of the building as measured around the perimeter of the exterior of the building or facility. Exception: Building protected throughout by a supervised automatic fire sprinkler system and not used for high-piled combustible storage in excess of twelve thousand (12,000) square feet.
Noted. Heavy duty concrete fire apparatus drive has been provided adjacent to the building such that all sides are within 150 feet of the drive as shown on sheet L101, L102, L104.

10) POLICE

a. Ensure no landscaping obstructions for egress traffic onto Odell Street.
Noted. Resurfacing of Odell Street per Town Standards has been added to the Project. Town Standard Details for Roadway Improvements have been added to sheet L610.

11) STORMWATER

a. Include pipe profiles on the construction plans. A one tenth drop is required in structures.
Noted. Please see engineer's justification for a variance to the required one tenth drop in storm structures in the updated Technical Information Report narrative. Please see pages TIR-19 and TIR-20.

b. For development plans, evaluate stormwater ponding and overflow path routing for Ch. 151.21 I. Show hatching of ponding areas on plans along with peak ponding elevations.
Noted. Please see C320 and C321 Emergency Flood Route Plans.

c. Variations from the release rate requirements will need to be approved by the County Surveyor.
Noted. It has been communicated to the Design Team that Hendrick County Surveyor's Office is going to recommend approval to Hendricks County Drainage Board on the November 12, 2025 meeting. Once approved, documentation will be sent to Town of Brownsburg for reference.

d. Provide inlet capacity calculations per Ch 151.21 D.(3)
Noted. Please see inlet capacity calculations in the updated Technical Information Report Appendix D. Please see pages TIR-1058 and TIR-1059.

e. Add the legal description and parcel # to the title sheet of the construction plans.
Noted. Please see updated C001 Title Sheet for requested legal description and parcel number information. Addition Legal descriptions can be found on C104 Existing Topography Plan.

17) SWPPP Comments

A15: Indicate the existing vegetative cover in Section A15 of the SWPPP or include a reference to the appropriate plan sheet that depicts it.
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised A15 which directs to C100 Existing Conditions plan and C501 Erosion Control Plan.

B2: There is a construction entrance shown on Sheet C501 however there is an additional location on Sheet C502 that indicates contractor to coordinate with Meyer Najem on the construction entrance. Please clarify if an additional construction entrance is going to be installed in this location.
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised B2 which directs to revised C501-C503 Erosion Control Plans that only show the single construction entrance.

B3/12: Update temporary seeding language on Sheet C590 to include "un-vegetated areas that are left idle or scheduled to be life inactive or 7 days or more must be temporality or permanently within 14 days after initiation."
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised B3/B12 notes that includes requested statement.

B3/4: Erosion control blanket will be used on the project but there was no detail provided. Include a detail for the measure.
Noted. Please see erosion control blanket detail on C551 Erosion Control Details Plan.

B4/7: There are multiple end section on the project that appear to be receiving riprap or stone scour protection however the erosion controls plans show the symbol for inlet protection. It is not clear what measure is intended to be used in the areas, update accordingly.
Noted. All proposed end sections are to be installed with permanent turf reinforcement mats. Please see updated keynote D16 on C400-C408 Utility Plans and turf reinforcement mat detail on C551 Erosion Control Details. Inlet protection on C500-504 Erosion Control Plan is to remain as design wants silt sock or equivalent installed at end sections alongside turf reinforcement mat.

B7: Per Town of Brownsburg Construction Standards 02101, the use of turf reinforcement mat is preferred (as opposed to riprap or other hard armoring) to reinforce vegetation and prevent erosion and scouring at storm sewer outfalls. If riprap is to be used, it must be contained within a gabion basket.
Noted. All proposed end sections are to be installed with permanent turf reinforcement mats. Please see updated keynote D16 on C400-C408 Utility Plans and turf matt detail on C551 Erosion Control Details.

B9: Sheet C550 does not include any detail or guidelines regarding dewatering as indicated in the SWPPP. Please provide.
Noted. Please see erosion control blanket detail on C551 Erosion Control Details Plan.

B12: Final stabilization of a project site is achieved when all land disturbing activities have been completed and a uniform perennial vegetation cover with a density of seventy percent (70%) has been established on all unpaved disturbed areas. Include this requirement in the SWPPP.
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised B12 notes that includes requested statement.

B12: Submit notice of termination (NOT) inspection request to Town prior to filing NOT with IDEM. Include a note in the SWPPP detailing this requirement.
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised B12 notes that includes requested statement.

C2: Include a description of the underground detention measures as these are post-construction stormwater measures to be used on the site.
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised C2 which includes the underground detention measures.

C3: The plan sheets show the cross section details of the water quality units and underground detention measures are not listed in Section C3 of the SWPPP. Updated accordingly.
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised section C which includes the underground detention measures and water quality units.

C4: Section C4 does not detail when the underground detention measures and water quality units will be installed in comparison to the rest of the construction activities proposed.
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised C5 which includes the underground detention measures and water quality units.

C5: Include the detention measures in Section C5 of the SWPPP.
Noted. Please see revised C590 Stormwater Pollution Protection Plan for revised C5 which includes the underground detention measures.

O&M Manual: The included plans make it difficult to identify the location of the water quality units and underground detention measures. Provide a map that clearly calls out the post-construction stormwater quality and quantity BMPs so that the owner can easily locate them for inspection and maintenance.
Noted. A better annotated plan is included in the revised O&M Manual.

O&M Manual: Include a flood routing path map in the O&M Manual.
Noted. A copy of the C320 Emergency Flood Route Plan has been added to the revised O&M Manual.

O&M Manual: The inspection checklist for the detention system indicates that the Isolator Row O&M Manual is included in Appendix B however it was not provided. Please include.
Noted. Please see revised O&M Manual that includes the Isolator Row O&M Manual.

Verbal Comments during TECH: "Insert Context Comments"

STREET/PUBLIC WORKS

a) Comment: Ensure no landscaping obstructions for egress traffic onto Odell Street.
Response: There are no landscaping obstructions for egress traffic onto Odell Street, refer site triangles on sheet L401.
b) Comment: Will there be any parking issues during construction (if students or staff normally park in this lot?) Ensure parking will not be in the immediate streets surrounding the school but in another lot.
Response: No parking issues are expected during construction. Parking for the school will occur in existing parking lots on school property.

Thank you again for your time and assistance with this review.

Please do not hesitate to reach out to us with any comments, concerns, or questions.

Best regards,

Kelly Canter, PE
Naventiam Design
kcanter@naventiam-design.com
317.512.6109

Advisory Plan Commission
TECHNICAL REVIEW COMMITTEE

TOWN OF Brownsburg
61 North Green Street | Brownsburg, Indiana 46112
Tel 317.852.1128 | Fax 317.852.1134

Project Name: Brownsburg HS East Athletic Expansion DPR
Record Number: PSDP-25-8
TECH Meeting Date: October 16, 2025

The following Technical Review Committee ("TECH") members provided comments for the project as detailed below:

Development Services
- ☐
- ☒ Lauren Bouslog, Associate Planner
- ☐ Steve Fletcher, Building Commissioner
- ☒ Frank Wise, Senior Building Inspector

Town Administration
- ☐ Debbie Cook, Town Manager
- ☐ Aaron Kaytar, Capital Projects & Procurement Manager
- ☐ Ethan Pierce, Economic Development Manager

Water Department
- ☒ Frank Monts, Superintendent

Wastewater Department
- ☐ Kathy Dillon, Water Utilities Director
- ☐

Street Department
- ☐ Aaron Love, Superintendent
- ☐ Matt Griner, Asst. Superintendent

Parks Department
- ☐ Amber Lane, Director
- ☐

Fire Territory
- ☐ Paul Hudson, Fire Marshal
- ☐ Jeff Schlageter, Deputy Fire Marshal

Police Department
- ☐ Joe Grimes, Chief
- ☐ Pat Bullock, Captain
- ☒ Bryan Fultz, Major

External Agencies
- ☐ Regan Huff, BCSC
- ☐ Dave Gaston, P.S., Hend. Co. Surveyor
- ☐ John Ayers, Hendricks Co. Engineer
- ☐ Mary Atkins, Wessler Engineering
- ☐ Angie DeKemper, CountryMark
- ☐ Gerry Jones, Vectren

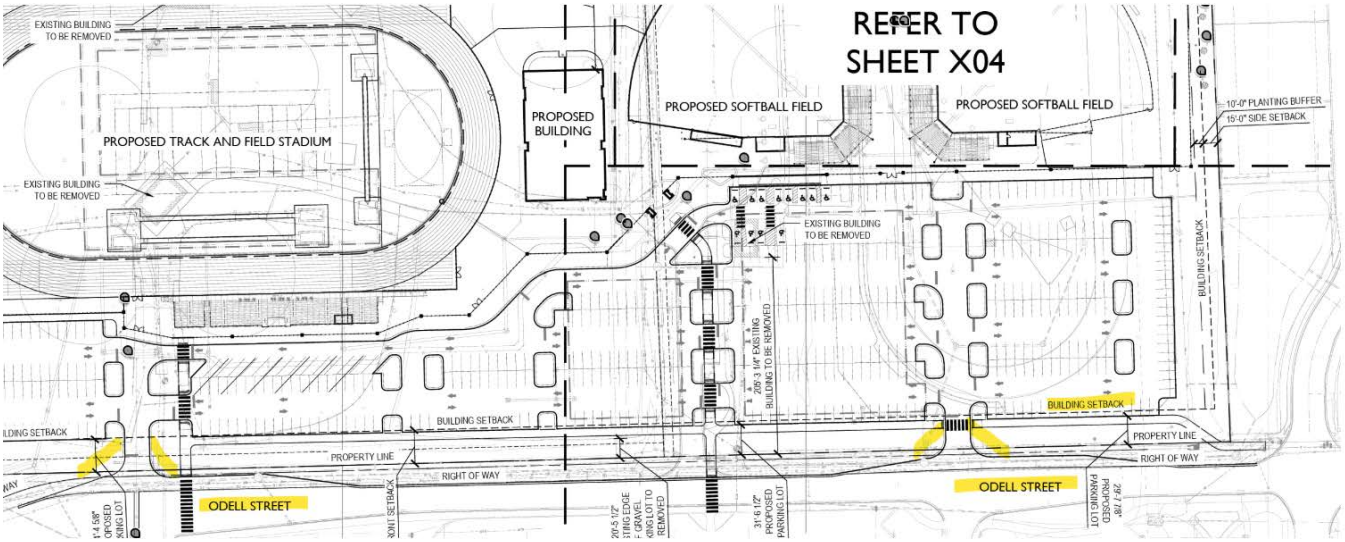
1) DEVELOPMENT SERVICES

a) Add material percentages for each facade to your architectural details attachment.

b) Put the square footage on your proposed building.



c) Put a dimension on the building setback (ex. 35' building setback), write Public Right-Of-Way under Odell Street, and put vision clearance triangles on your landscape plan.



2) BUILDING

a) Should the perimeter of the site have an underdrain installed and tied into the storm system?

3) CAPITAL PROJECTS

a) None

4) ECONOMIC DEVELOPMENT

a) None

5) WATER

a) All hydrants shall be totally RED in color/ Red w/yellow bonnet signifies a private hydrant on a looped system. This proposed system is not looped, but a dead-end system.

b) The 2" pipe is listed as ductile-iron, which they don't make. The 2" pipe should be Endopure blue poly.

c) The proposed building shows a 2" line and a 3" line entering the building. Is the 2" domestic and 3" for fire sprinklers?

d) There are no meters shown. The 2" line needs to have a meter pit at its point of origin. There are water spigots on this line that need to be metered. There is an existing 2" meter service that could serve this purpose. All the new 2" line could be run from there. If this won't work, a new meter pit will need to be installed and the existing 2" service will need to be abandon at the tap on the main. If a new 2" meter pit is needed, I would not wait too long to get it ordered. It may take several months to get it. No substitution pits will be allowed.

e) At the 8" tap, your drawing shows two water mains. There should only be one and I believe you're going to find 6" ductile.

6) WASTEWATER

a) None

7) STREET/PUBLIC WORKS

a) None

8) PARKS

a) None

9) FIRE TERRITORY

a)

10) POLICE

a) Ensure no landscaping obstructions for egress traffic onto Odell Street.

b) Will there be any parking issues during construction (if students or staff normally parking in this lot?) Ensure parking will not be in the immediate streets surrounding the school but in another lot.

11) STORMWATER

a) See attached

12) BROWNSBURG COMMUNITY SCHOOL CORPORATION

a) None

13) **HENDRICKS COUNTY SURVEYOR**

a) None

14) **HENDRICKS COUNTY ENGINEER**

a) None

15) **COUNTRYMARK**

a) None

16) **VECTREN**

a) None

Please provide a written response to this report addressing each issue and, if necessary, indicate where on the revised plans the modification has been made.

TOWN OF Brownsburg

Construction/ Stormwater Pollution Prevention Plan Technical Review
Town of Brownsburg Stormwater Management Ordinance
https://codelibrary.amlegal.com/codes/brownsburg/latest/brownsburg_in/0-0-0-26557
IDEM Construction Stormwater General Permit:
https://www.in.gov/idem/stormwater/construction-land-disturbance-permitting/
(INRA00000 effective 12/18/2021)

Construction/Stormwater Pollution Prevention Plan Technical Review and Comment

Project Name: Brownsburg HS East Athletics
Scope of Project: Athletic building, associated facilites and utilites.
Location of Project: 1000 S Odell St, Brownsburg Indiana 46112
County(ies): Hendricks
Latitude: 39°49'43" N **Longitude:** 86°23'57" W

Plan Submittal Date: **October 6, 2025**
Plan Review Date: **October 13, 2025**

Plan Preparer: Kelly Canter, P.E. **Affiliation:** Naventiam Design
Address: 5649 Lee Road, Suite 1
City: Indianapolis **State:** IN **Zip:** 46216
Phone: (317) 598-6647 **Cell Phone:** NA **Email:** NA

Project Site Owner: Shane Hacker **Company Name (if applicable):** Brownsburg Community School Corporation
Address: 310 S. Stadium Dr.
City: Brownsburg **State:** IN **Zip:** 46112
Phone: NA **Cell Phone:** NA **Email:** NA

Plan Reviewer: Mary Atkins, PE, CPESC **Affiliation:** Wessler Engineering **On behalf of:** Town of Brownsburg
Assisted By: Michaela Tauil and Taylor McNally-Henriksen – Wessler Engineering
Address: 6219 South East Street
City: Indianapolis, IN **State:** IN **Zip:** 46227
Phone: 317-788-4551 **Cell Phone:** **Email:** MaryA@wesslerengineering.com

Plan Review Status:		
☐	**Plan is Adequate**	A comprehensive plan review has been completed and it has been determined that the plan satisfies the minimum requirements of the Town of Brownsburg Stormwater Management Ordinance and Construction Standards, and the Construction Stormwater General Permit INRA00000 (Effective 12-18-2021).
☐	**Preliminary Review**	A comprehensive review will not be completed at this time. The plan review authority reserves the right to perform a comprehensive review at a later date, and revisions may be required at that time.
☐	**Conditional Acceptance**	Acceptance of the plan is conditional. The conditional acceptance is contingent upon addressing the issues identified in the comment sections.
☒	**Plan is Deficient**	Significant deficiencies were identified and must be addressed. Refer to the comment sections.

Action:	
☐	**Submit a Notice of Intent:** Submit the Notice of Intent (NOI) online through the IDEM Regulatory ePortal. It is required to upload a copy of this review form when submitting the NOI through the IDEM Regulatory ePortal: (https://stormwater.idem.in.gov/ncore/external/home)
☒	**Do not file a Notice of Intent or commence land-disturbing activities:** Deficiencies must be adequately addressed and an acceptable plan review completed.
☒	**Comments:** Refer to Plan Review Comments Sections of this document.
☒	**Revisions:** Update and submit the revised Construction/Stormwater Pollution Prevention Plan as indicated below.
	☒ Update and submit a complete plan set that addresses plan deficiencies.
	☒ Update and submit a document (narrative and/or plan sheets) that address plan deficiencies.
	☐ Update and submit a complete plan set that addresses plan deficiencies. A comprehensive plan review will not be completed.

Plan Review Information

- *The technical review and comment is intended to evaluate the completeness of the Construction/Stormwater Pollution Prevention Plan for the project. The Plan submitted was not reviewed for the adequacy of engineering design. All measures included in the plan, as well as those recommended in the comments should be evaluated as to their feasibility by a qualified individual with structural measures designed by a qualified engineer. The Plan has not been reviewed for other local, state, or federal permits that may be required to proceed with this project.*
- *Construction activities and unforeseen weather conditions may affect the performance of the erosion and sediment control system, individual measures, or the effectiveness of the plan. The plan must be a flexible document, with provisions to modify or substitute measures as necessary to ensure compliance.*

Priority Site Information:

☐	**Nature and Extent of Construction**	☐	**Close Proximity to Wetlands**
☐	**Close Proximity to Sensitive Area**	☐	**Potential for Direct Runoff to Receiving Waters**
☐	**Steep Topography on Proposed Construction Site**	☒	**Not a Priority Site**

Section A: Construction Plan Elements

Adequate	Deficient	NA	A	*The construction plan elements include general information associated with the project site that are critical for the evaluation of the stormwater pollution prevention plan component. This information includes, but is not limited to an index, resource information, reference maps, grading information, project layout and design, and drainage plan*
☒	☐	☐	**1**	Index of the location of required plan elements in the construction plan
☒	☐	☐	**2**	A vicinity map depicting the project site location in relationship to recognizable local landmarks, towns, and major roads
☒	☐	☐	**3**	Narrative of the nature and purpose of the project
☒	☐	☐	**4**	Latitude and longitude to the nearest fifteen (15) seconds
☒	☐	☐	**5**	Legal description of the project site
☒	☐	☐	**6**	11 X 17-inch plat showing building lot numbers/boundaries and road layout/names
☒	☐	☐	**7**	Boundaries of the one hundred (100) year floodplains, floodway fringes, and floodways
☒	☐	☐	**8**	Land use of all adjacent properties
☒	☐	☐	**9**	Identification of a U.S. EPA approved or established TMDL
☒	☐	☐	**10**	Name(s) of the receiving water(s)
☒	☐	☐	**11**	Identification of discharges to a water on the current 303d list of impaired waters and the pollutant(s) for which it is impaired
☒	☐	☐	**12**	Soil map of the predominant soil types
☒	☐	☐	**13**	Identification and location of all known wetlands, lakes and water courses on or adjacent to the project site (construction plan, existing site layout)
☒	☐	☐	**14**	Identification of any other state or federal water quality permits or authorizations that are required for construction activities– required 50-foot natural buffer
☐	☒	☐	**15**	Identification and delineation of existing cover, including natural buffers
☒	☐	☐	**16**	Existing topography at a contour interval appropriate to indicate drainage patterns
☒	☐	☐	**17**	Location(s) of where run-off enters the project site
☒	☐	☐	**18**	Location(s) of where run-off discharges from the project site prior to land disturbance. Erosion measures required at the discharge point.
☒	☐	☐	**19**	Location of all existing structures on the project site
☒	☐	☐	**20**	Existing permanent retention or detention facilities, including manmade wetlands, designed for the purpose of stormwater management

☒	☐	☐	**21**	Locations where stormwater may be directly discharged into ground water, such as abandoned wells, sinkholes, or karst features
☒	☐	☐	**22**	Size of the project area expressed in acres
☒	☐	☐	**23**	Total expected land disturbance expressed in acres
☒	☐	☐	**24**	Proposed final topography
☒	☐	☐	**25**	Locations and approximate boundaries of all disturbed areas
☒	☐	☐	**26**	Location, size, and dimensions of all stormwater drainage systems, such as culverts, storm sewers, and conveyance channels
☒	☐	☐	**27**	Locations of specific points where stormwater and non-stormwater discharges will leave the project site
☒	☐	☐	**28**	Location of all proposed site improvements, including roads, utilities, lot delineation and identification, proposed structures, and common areas
☒	☐	☐	**29**	Location of all on-site soil stockpiles and borrow areas
☒	☐	☐	**30**	Construction support activities that are expected to be part of the project
☐	☐	☒	**31**	Location of any in-stream activities that are planned for the project including, but not limited to stream crossings and pump arounds

Section A – Comments:

- A15: Indicate the existing vegetative cover in Section A15 of the SWPPP or include a reference to the appropriate plan sheet that depicts it.

Section B: Stormwater Pollution Prevention Plan – Erosion and Sediment Control/Project Site Management				
Adequate	**Deficient**	**NA**	**B**	*The construction component of the Stormwater Pollution Prevention Plan includes stormwater quality measures to address erosion, sedimentation, and other pollutants associated with land disturbance and construction activities. Proper implementation of the plan, maintenance of measures, and administering a self-monitoring program is required to manage the project site to minimize the discharge of sediment and other pollutants. Construction activities and unforeseen weather conditions may affect the performance of the erosion and sediment control system, individual measures, or the effectiveness of the plan. The plan must be a flexible document, with provisions to modify or substitute measures as necessary to ensure compliance.*
☒	☐	☐	**1**	Description of the potential pollutant generating sources and pollutants, including all potential non-stormwater discharges
☐	☒	☐	**2**	Stable construction entrance locations and specifications. Plan to clear tracking of sediments on road. Dust suppression plan.
☐	☒	☐	**3**	Specifications for temporary and permanent stabilization. Include seeding and mulching plan and 70% coverage requirement for final stabilization. Include 7-day stabilization requirement.
☐	☒	☐	**4**	Sediment control measures for concentrated flow areas (sediment basins if used have specific requirements)
☒	☐	☐	**5**	Sediment control measures for sheet flow areas
☐	☒	☐	**6**	Run-off control measures
☐	☒	☐	**7**	Stormwater outlet protection locations and specifications
☐	☐	☐	**8**	Grade stabilization structure locations and specifications
☐	☒	☐	**9**	Dewatering applications and management methods
☐	☐	☒	**10**	Measures utilized for work within waterbodies
☒	☐	☐	**11**	Maintenance guidelines for each proposed temporary stormwater quality measure
☒	☐	☐	**12**	Planned construction sequence describing the relationship between implementation of stormwater quality measures in relation to land disturbance
☐	☐	☒	**13**	Provisions for erosion and sediment control on individual building lots regulated under the proposed project
☒	☐	☐	**14**	Material handling and spill prevention and spill response plan meeting the requirements in 327 IAC 2-6.1

☒	☐	☐	**15**	Material handling and storage procedures associated with construction activity. Management of waste materials and dumpsters for runoff and wind. Concrete washout management. Fueling areas. Equipment washing. Application of pesticides, herbicides, insecticides and fertilizers. Disposal of hazardous waste. Washing of paint or grout applicators.

Section B – Comments:

- B2: There is a construction entrance shown on Sheet C501 however there is an additional location on Sheet C502 that indicates contractor to coordinate with Meyer Najem on the construction entrance. Please clarify if an additional construction entrance is going to be installed in this location.
- B3/B12: Update temporary seeding language on Sheet C590 to include "un-vegetated areas that are left idle or scheduled to be life inactive or 7 days or more must be temporality or permanently stabilized. Stabilization must be initiated by the end of the 7th day. The stabilization activity must be completed within 14 days after initiation."
- B3/B4: Erosion control blanket will be used on the project but there was no detail provided. Include a detail for the measure.
- B4/B7: There are multiple end sections on the project that appear to be receiving riprap or stone scour protection however the erosion controls plans show the symbol for inlet protection. It is not clear what measure is intended to be used in the areas, update accordingly.
- B7: Per Town of Brownsburg Construction Standards 02101, the use of turf reinforcement mat is preferred (as opposed to riprap or other hard armoring) to reinforce vegetation and prevent erosion and scouring at storm sewer outfalls. If riprap is to be used, it must be contained within a gabion basket.
- B9: Sheet C550 does not include any details or guidelines regarding dewatering as indicated in the SWPPP. Please provide.
- B12: Final stabilization of a project site is achieved when all land disturbing activities have been completed and a uniform perennial vegetative cover with a density of seventy percent (70%) has been established on all unpaved disturbed areas. Include this requirement in the SWPPP.
- B12: Submit notice of termination (NOT) inspection request to Town prior to filing NOT with IDEM. Include a note in the SWPPP detailing this requirement.

Section C: Stormwater Pollution Prevention Plan – Post-Construction

Adequate	Deficient	NA	C	*The post-construction component of the Stormwater Pollution Prevention Plan includes the implementation of stormwater quality measures to address pollutants that will be associated with the final project land use. Post-construction stormwater measures should be functional upon completion of the project. Long term functionality of the measures is critical to their performance and should be monitored and maintained.*
☒	☐	☐	**1**	Description of pollutants and their sources associated with the proposed land use
☐	☒	☐	**2**	Description of proposed post-construction stormwater measures including stormwater detention and water quality treatment according to the local ordinance (refer also to separate technical review comments)
☐	☒	☐	**3**	Plan details for each stormwater measure
☐	☒	☐	**4**	Sequence describing stormwater measure implementation
☐	☒	☐	**5**	Maintenance guidelines for proposed post-construction stormwater measures. Operation and Maintenance (O&M) Manual.
☒	☐	☐	**6**	Entity that will be responsible for operation and maintenance of the post-construction stormwater measures

Section C – Comments:

- C2: Include a description of the underground detention measures as these are post-construction stormwater measures to be used on the site.
- C3: The plan sheets that show the cross section details of the water quality units and underground detention measures are not listed in Section C3 of the SWPPP. Update accordingly.
- C4: Section C4 does not detail when the underground detention measures and water quality units will be installed in comparison to the rest of the construction activities proposed.
- C5: Include the detention measures in Section C5 of the SWPPP.
- O&M Manual: The included plans make it difficult to identify the location of the water quality units and underground detention measures. Provide a map that clearly calls out the post-construction stromwater quality and quanitity BMPs so that the owner can easily locate them for inspection and maintenance.
- O&M Manual: Include a flood routing path map in the O&M Manual.
- O&M Manual: The inspection checklist for the detention system indicates that the Isolator Row O&M Manual is included in Appendix B however this was not provided. Please include.

TOWN OF BROWNSBURG STORMWATER/DRAINAGE PLAN REVIEW

CO Comment Originator
CR Comment Respondee

NAME OF PROJECT: Brownsburg HS East Athletic Expansion
DESIGN PACKAGE: Development Plans
DESIGNER: **Veridus Group**

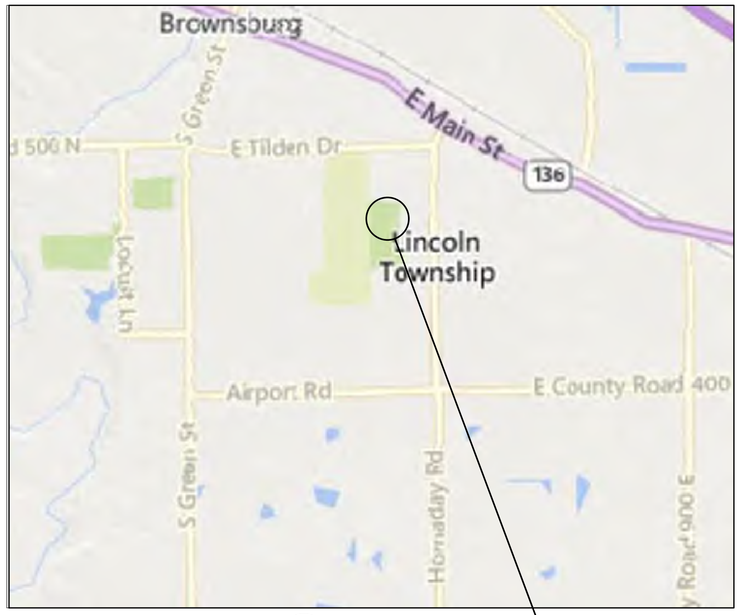
		Wessler - Reviewer to complete		Designer to complete	
No.	PAGE/SHEET REFERENCE	CO	COMMENT	CR	RESPONSE
1	Pipe Profile	RS	Include pipe profiles on the construction plans. A one tenth drop is required in structures.		
2	Flood Routing	RS	For development plans, evaluate stormwater ponding and overflow path routing for Ch. 151.21 I. Show hatching of ponding areas on plans along with peak ponding elevations.		
3	Release Rate	RS	Variations from the release rate requirements will need to be approved by the County Surveyor.		
4	Inlet Capacity	RS	Provide inlet capacity calculations per Ch 151.21 D.(3)		
5	Title Sheet	RS	Add the legal description and parcel # to the title sheet of the construction plans.		

These comments should not be construed as a comprehensive list of comments, and the reviewer may make additional comments based on subsequent submittals

BROWNSBURG HS EAST ATHLETICS

95% CONSTRUCTION DOCUMENTS

1000 S ODELL ST,
BROWNSBURG, INDIANA 46112



LOCATION MAP

Project Site



VICINITY MAP

Project Site

Sheet List Table	
Sheet Number	Sheet Title
C001	CIVIL TITLE SHEET
C002	NOTES AND MAPS
C101	EXISTING TOPOGRAPHY
C102	EXISTING TOPOGRAPHY
C103	EXISTING TOPOGRAPHY
C104	EXISTING TOPOGRAPHY
C110	OVERALL DEMOLITION PLAN
C111	DEMOLITION PLAN
C112	DEMOLITION PLAN
C113	DEMOLITION PLAN
C114	DEMOLITION PLAN
C300	OVERALL GRADING PLAN
C301	GRADING PLAN
C302	GRADING PLAN
C303	GRADING PLAN
C304	GRADING PLAN
C320	EMERGENCY FLOOD ROUTE PLAN
C321	EMERGENCY FLOOD ROUTE PLAN
C400	OVERALL UTILITY PLAN
C401	UTILITY PLAN
C402	UTILITY PLAN
C403	UTILITY PLAN
C404	UTILITY PLAN
C405	UTILITY PLAN
C406	UTILITY PLAN
C407	UTILITY PLAN
C408	UTILITY PLAN
C420	STORM PROFILE PLAN
C421	STORM PROFILE PLAN
C422	STORM PROFILE PLAN
C423	STORM PROFILE PLAN
C424	STORM PROFILE PLAN
C450	UTILITY DETAILS
C451	UTILITY DETAILS
C452	UTILITY DETAILS
C453	UTILITY DETAILS
C454	UTILITY DETAILS
C455	UTILITY DETAILS
C456	UTILITY DETAILS
C457	UTILITY DETAILS
C500	OVERALL EROSION CONTROL PLAN
C501	EROSION CONTROL PLAN
C502	EROSION CONTROL PLAN
C503	EROSION CONTROL PLAN
C504	EROSION CONTROL PLAN
C550	EROSION CONTROL DETAILS
C551	EROSION CONTROL DETAILS
C590	STORM WATER POLLUTION PROTECTION PLAN
L010	PRESERVATION PLAN
L100	OVERALL REFERENCE PLAN
L101	SITE MATERIALS PLAN
L102	SITE MATERIALS PLAN
L103	SITE MATERIALS PLAN
L104	SITE MATERIALS PLAN
L400	PLANTING PLAN
L401	PLANTING PLAN
L402	PLANTING PLAN
L403	PLANTING PLAN
L410	PLANTING DETAILS
L601	SITE DETAILS
L602	SITE DETAILS
L603	SITE DETAILS
L604	SITE DETAILS
L605	SITE DETAILS
L606	SITE DETAILS
L607	SITE DETAILS
L608	SITE DETAILS
L609	SITE DETAILS

PROJECT DESCRIPTION

This project consists of approximately 11,380 SF new building for concessions and athletics support,new track and field facility, new softball fields, new parking lots and drives for improved pedestrian connectivity to the facilities and associated utility connections and hardscape.

LAND DESCRIPTION

Refer to sheet C104 for Surveyor Land Descriptions

FROM GIS:
Land Parcel #'s
32-07-14-200-014.000-016 or 14-2-14-61E-200-014
32-07-14-200-005.000-016 or 14-2-14-61E-200-005
32-07-14-200-005.000-016 or 14-2-14-61E-200-005
SECTION 14, TOWNSHIP 16N, RANGE 1E

CONTACT INFORMATION

Owner: Shane Hacker
Brownsburg Community School Corporation
310 S. Stadium Dr.
Brownsburg, Indiana 46112

Contractor: John Haggerty
Meyer Najam Construction
11787 Lantern Road #100
Fishers, Indiana 46038
(317) 577-0007

Civil Engineer: Kelly Canter, P.E.
Naventiam Design
5649 Lee Road, Suite 1
Indianapolis, IN 46216
(317) 598-6647

Landscape Architect: Cameron Hull
Context Design
5825 Lawton Loop West Dr,
Indianapolis, IN 46216
(317) 485-6900

UTILITY STATEMENT

The underground utilities shown have been located from field survey information and existing drawings. The surveyor makes no guarantees that the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated although the surveyor does certify that they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
CIVIL TITLE SHEET

CERTIFIED BY:
KELLY ANN CANTER
REGISTERED
No. PE10800615
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C001

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:09 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\12 - DESIGN CAD\C001 TITLE SHEET.DWG

TITLE DISCLAIMER:

IT IS NOT WARRANTED THAT THESE DRAWINGS CONTAIN COMPLETE INFORMATION REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, RIGHT-OF-WAYS, BUILDING LINE SETBACKS, AND OTHER ENCUMBRANCES. FOR COMPLETE INFORMATION, A TITLE OPINION OR COMMITMENT FOR TITLE INSURANCE SHOULD BE OBTAINED AND THOROUGHLY REVIEWED.

UTILITY INFORMATION:

UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, NON-EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE FACILITIES., STRUCTURES, AND UTILITIES.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. PUBLIC AND PRIVATE UTILITIES SHALL BE LOCATED WITHIN AND IN GENERAL VICINITY OF PROPOSED CONSTRUCTION AREA/LIMITS.

THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER.

INDIANA UTILITY LOCATION SERVICE PHONE: 800.382.5544 OR WWW.INDIANA811.ORG

CONTRACTOR NOTE:

THE CONTRACTOR AND/OR ALL SUBCONTRACTORS SHALL INVESTIGATE, ASCERTAIN, AND CONFORM TO ANY AND ALL PERMIT REQUIREMENTS OF ALL THE AFFECTED UTILITY COMPANIES AND/OR REGULATORY AGENCIES WITH REGARDS TO MAKING CONNECTIONS TO; OR CROSSING OF THEIR FACILITIES; WORKING WITHIN THEIR RIGHT OF WAY OR EASEMENTS; INSPECTIONS AND ASSOCIATED MONETARY CHARGES; AND/OR SPECIAL BACKFILL REQUIREMENTS. SUCH INVESTIGATION SHALL INCLUDE BUT NOT LIMITED TO THE MAKING OF NECESSARY APPLICATIONS AND PAYMENTS OF ALL REQUIRED FEES.

SURVEY/TOPOGRAPHY NOTE:

THE BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION SHOWN ON THE PLANS WAS PREPARED FROM AN ACTUAL FIELD SURVEY COMPLETED OCTOBER 2024 PROVIDED BY CENTRAL STATE CONSULTING, INC (2024). ALL EXISTING INFORMATION PRESENTED IN THESE PLANS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES IN THE PLANS SHALL BE MADE AWARE TO THE ARCHITECT AND ENGINEER PRIOR TO BEGINNING CONSTRUCTION.

GEOTECHNICAL SOILS REPORT NOTE:

NO GEOTECHNICAL SOILS REPORT HAS BEEN PROVIDED OR NO GEOTECHNICAL INVESTIGATION HAS BEEN PREFORMED.

CIVIL CONSTRUCTION NOTES:

THE CONTRACTOR SHALL ENSURE THAT ALL CONSTRUCTION IS IN COMPLIANCE WITH THE TOWN OF BROWNSBURG & HENDRICKS COUNTY STANDARDS, ORDINANCES AND REGULATIONS, AND ALL OTHER AGENCIES HAVING JURISDICTION AND UTILITY PROVIDER REQUIREMENTS ARE MET.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY EXISTING IMPROVEMENTS OR UNDERGROUND FACILITIES THAT ARE DAMAGED.

THE CONTRACTOR SHALL LEAVE AN EMERGENCY PHONE NUMBER WITH THE POLICE AND FIRE DEPARTMENTS AND KEEP THEM INFORMED OF CONSTRUCTION ACTIVITIES AND OF ANY DETOURS.

CONTRACTOR SHALL POST EMERGENCY PHONE NUMBERS AT THE SITE FOR THE PUBLIC WORKS, AMBULANCE, POLICE, FIRE DEPARTMENT, AND UTILITY LOCATE COMPANIES AT ALL TIMES.

THE CONTRACTOR SHALL CONDUCT THEIR WORK SO AS NOT TO INTERFERE WITH OR HINDER THE PROGRESS OF THE COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS.

THE CONTRACTOR AND ALL SUBCONTRACTORS INVOLVED IN THE PROJECT, SHALL ASSUME LIABILITY, FINANCIAL OR OTHERWISE, IN CONNECTION WITH THEIR CONTRACT AND SHALL PROTECT AND HOLD HARMLESS THE ENGINEER AND THE ENGINEER'S REPRESENTATIVES FROM ANY AND ALL DAMAGES OR CLAIMS THAT MAY ARISE BECAUSE OF INCONVENIENCE, DELAYS, OR LOSS EXPERIENCED BECAUSE OF THE PRESENCE AND OPERATIONS OF OTHER CONTRACTORS OR CONSULTANTS WORKING ADJACENT TO OR WITHIN THE LIMITS OF THE PROJECT.

CONTRACTOR SHALL REPAIR ANY DAMAGE TO PROPERTY DURING CONSTRUCTION. DAMAGED PROPERTY SHALL BE RETURNED TO THE EXISTING CONDITIONS AT A MINIMUM.

PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE TOWN OF BROWNSBURG & HENDRICKS COUNTY STANDARDS AND SPECIFICATIONS AND AS DIRECTED BY THE TOWN. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AROUND THE SITE AT ALL TIMES. ALL DETOURS/LANE CLOSURES MUST BE HANDLED USING TRAFFIC CONTROL DEVICES CONFORMING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION, AND MUST BE APPROVED BY THE TOWN.

ADEQUATE TEMPORARY OFF-STREET PARKING FOR CONSTRUCTION WORKERS SHALL BE PROVIDED. PARKING ON NON-SURFACED AREAS SHALL BE PROHIBITED IN ORDER TO ELIMINATE THE CONDITION, WHEREBY MUD FROM CONSTRUCTION AND/OR WORKERS VEHICLES IS TRACKED ONTO THE PAVEMENT CAUSING HAZARDOUS ROADWAY AND DRIVEWAY CONDITIONS.

ALL WORK, INSTALLATION, PROCEDURES, MATERIALS, AND TESTING ASSOCIATED WITH THIS PROJECT SHALL CONFORM TO THE FOLLOWING STANDARD SPECIFICATIONS AND REQUIREMENTS INSOFAR AS THEY APPLY (EXCEPT ALL REQUIREMENTS FOR METHOD OF MEASUREMENT OR PAYMENT DO NOT APPLY):

STANDARD SPECIFICATIONS AS PUBLISHED BY THE INDIANA DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

NATIONAL MANUAL ON TRAFFIC CONTROL DEVICES, LATEST EDITION.

UNITED STATES AMERICANS WITH DISABILITIES ACT.

INDIANA DEPARTMENT OF ENVIRONMENTAL PROTECTION, INDIANA STORM WATER QUALITY MANUAL

TOWN OF BROWNSBURG & HENDRICKS COUNTY ORDINANCES AND REGULATIONS.

ALL ORDINANCES, LAWS, REGULATIONS, AND STANDARDS OF ALL PERTINENT AUTHORITIES HAVING JURISDICTION OVER THE WORK ASSOCIATED WITH THIS PROJECT.

ANY INCONSISTENCIES, DISCREPANCIES OR CONFLICTS DISCOVERED BETWEEN THE VARIOUS STANDARDS, SPECIFICATIONS OR LAWS BY GOVERNING AUTHORITIES AND/OR THESE PLANS AND SPECIFICATIONS, THE MOST STRINGENT SHALL BE BINDING AND APPLICABLE TO THIS PROJECT.

CIVIL SITE NOTES:

THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES FOR SAFETY PRECAUTIONS OR PROGRAMS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

PRIOR TO CONSTRUCTION, THE ENGINEER AND REVIEWING AGENCY, MUST APPROVE ANY ALTERATION OR VARIANCE FROM THE PLANS OR MATERIALS. ANY VARIATIONS FROM THESE PLANS SHALL BE PROPOSED ON THE CONSTRUCTION FIELD PRINTS AND TRANSMITTED TO THE ENGINEER.

ANY INSPECTION BY THE MUNICIPALITY, COUNTY, STATE OR THE ENGINEER SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH ALL APPLICABLE CODES AND AGENCY REQUIREMENTS.

REMOVAL AND REPLACEMENT QUANTITIES ARE APPROXIMATE AND THE EXACT LOCATION OF REMOVAL LIMITS SHALL BE VERIFIED IN THE FIELD AND APPROVED BY THE INSPECTOR PRIOR TO THE START OF CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL REQUIRED CONSTRUCTION PERMITS AND BONDS PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL HAVE A COPY OF THE CONTRACT DOCUMENTS INCLUDING THE PLANS, SPECIFICATIONS, COPIES OF REQUIRED CONSTRUCTION PERMITS, EROSION AND SEDIMENT CONTROL PLANS AND INSPECTION REPORTS AT THE JOB SITE AT ALL TIMES.

ALL COPIES OF COMPACTION, CONCRETE AND OTHER REQUIRED TEST RESULTS ARE TO BE SENT TO THE OWNER, TOWN INSPECTOR, AND ENGINEER OF RECORD DIRECTLY FROM THE TESTING COMPANY.

THE CONTRACTOR SHALL THOROUGHLY CHECK AND COORDINATE THE ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, AND ALL OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. THE OWNER AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING CONSTRUCTION.

ALL UTILITY CONDUITS SHALL BE FOUR (4) INCHES, UNLESS OTHERWISE INDICATED, U.L. LISTED SCHEDULE 40 PVC INSTALLED AT A MINIMUM OF 24" BELOW FINAL GRADE, UNLESS THE UTILITY COMPANY REQUIRES DIFFERENT INSTALLATION METHODS. ALL CONDUITS FOR GAS, ELECTRIC, AND COMMUNICATIONS SHALL BE INSTALLED PRIOR TO STREET/PAVEMENT INSTALLATION UNLESS OTHERWISE APPROVED BY UTILITY

ALL UTILITY CONDUITS SHALL HAVE PULL WIRES INSTALLED. THE CONDUITS ENDS SHALL BE TEMPORARILY SEALED WITH TAPE AND 2"X4" INSTALLED AT EACH END. THE 2"X4" SHALL BE COLOR CODED TO MATCH THE STANDARD UTILITY LOCATING COLORS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY RELOCATIONS INCLUDING BUT NOT LIMITED TO: UNDERGROUND AND OVERHEAD UTILITIES, STORM DRAINAGE, SIGNS, TRAFFIC SIGNALS AND POLES, IRRIGATION STRUCTURES, AND OTHER EXISTING APPURTENANCES AS REQUIRED TO FACILITATE THE INSTALLATION OF THE PROPOSED IMPROVEMENTS. ALL RELOCATION WORK SHALL BE IN ACCORDANCE WITH AUTHORITY HAVING JURISDICTION STANDARDS AND SPECIFICATIONS AND SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL RESULTING COSTS SHALL BE DEEMED TO BE INCLUDED IN THE CONTRACTOR'S COST/BID.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEWATERING ALL AREAS TO BE EXCAVATED OR FILLED.

THE CONTRACTOR SHALL NOT TAKE ADVANTAGE OF ANY APPARENT ERROR OR OMISSION ON THE PLANS OR SPECIFICATIONS. IN THE EVENT THE CONTRACTOR DISCOVERS ANY APPARENT ERROR OR DISCREPANCY, THEY SHALL IMMEDIATELY CALL UPON THE ENGINEER FOR THEIR INTERPRETATION AND DECISION.

THE CONTRACTOR SHALL COMPLY WITH ALL LEGAL ROAD RESTRICTIONS IN THE HAULING OF MATERIALS ON PUBLIC ROADS/STREETS BEYOND THE LIMITS OF THE WORK. A SPECIAL HAUL PERMIT WILL NOT RELIEVE THE CONTRACTOR OF LIABILITY FOR ANY DAMAGE WHICH MAY RESULT FROM THE MOVING OF MATERIAL OR EQUIPMENT.

TOWN OF BROWNSBURG, HENDRICKS COUNTY, AND INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) CONSTRUCTION NOTES:

CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE TOWN OF BROWNSBURG, HENDRICKS COUNTY, AND/OR INDOT AT LEAST 48 HOURS PRIOR TO POURING CONCRETE, INSTALLING STORM SEWER, INSTALLING SANITARY SEWER, OR OTHERWISE PROVIDING SUCH ADVANCE NOTICE AS MAY BE REQUIRED BY THESE JURISDICTIONS.

ALL WORK, MATERIALS, AND INSTALLATION SHALL NOT BE DEEMED SATISFACTORY UNTIL SUCH TIME AS ALL APPROVALS ARE OBTAINED FROM THE JURISDICTIONAL AUTHORITY.

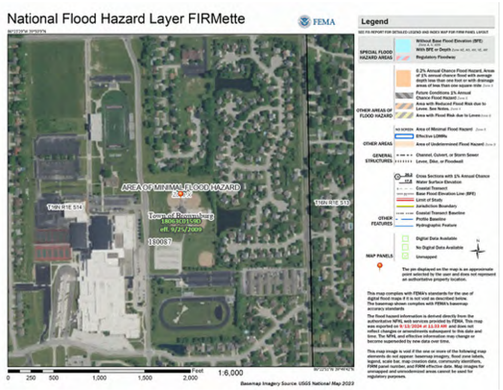
THE CONTRACTOR SHALL PROCEED AT THEIR OWN RISK IN PERFORMING ANY WORK PRIOR TO VERIFYING OR RECEIVING ALL NECESSARY PERMITS FOR THE WORK TO BE COMPLETED.

THE CONTRACTOR SHALL TAKE ALL REASONABLE PRECAUTIONS TO PROTECT ALL EXISTING UTILITIES.

ANY SIDEWALKS, CURB AND GUTTER, OR STREET ROADWAY PAVEMENT DAMAGED IN THE COURSE OF CONSTRUCTION ACTIVITY ON ADJACENT PRIVATE PROPERTY MUST BE REPLACED IN KIND.

ALL DISTURBED AREAS WITHIN THE TOWN OF BROWNSBURG, HENDRICKS COUNTY, AND INDOT RIGHT OF WAY SHALL BE RESTORED PER THEIR REQUIREMENTS.

CONTRACTOR SHALL BE REQUIRED TO REMOVE AND REPLACE ANY SIGNS THAT NEED TO BE MOVED TO COMPLETE THE WORK. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.





Hydrologic Soil Group—Hendricks County, Indiana

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Hendricks County, Indiana
Survey Area Data: Version 27, Sep 1, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 15, 2022—Jun 21, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
YbvA	Brookston silty clay loam-Urban land complex, 0 to 2 percent slopes	B/D	19.6	43.8%
YclA	Crosby silt loam, fine-loamy subsoil-Urban land complex, 0 to 2 percent slopes	C/D	25.1	56.2%
Totals for Area of Interest			**44.7**	**100.0%**

Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the bidder contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
NOTES AND MAPS

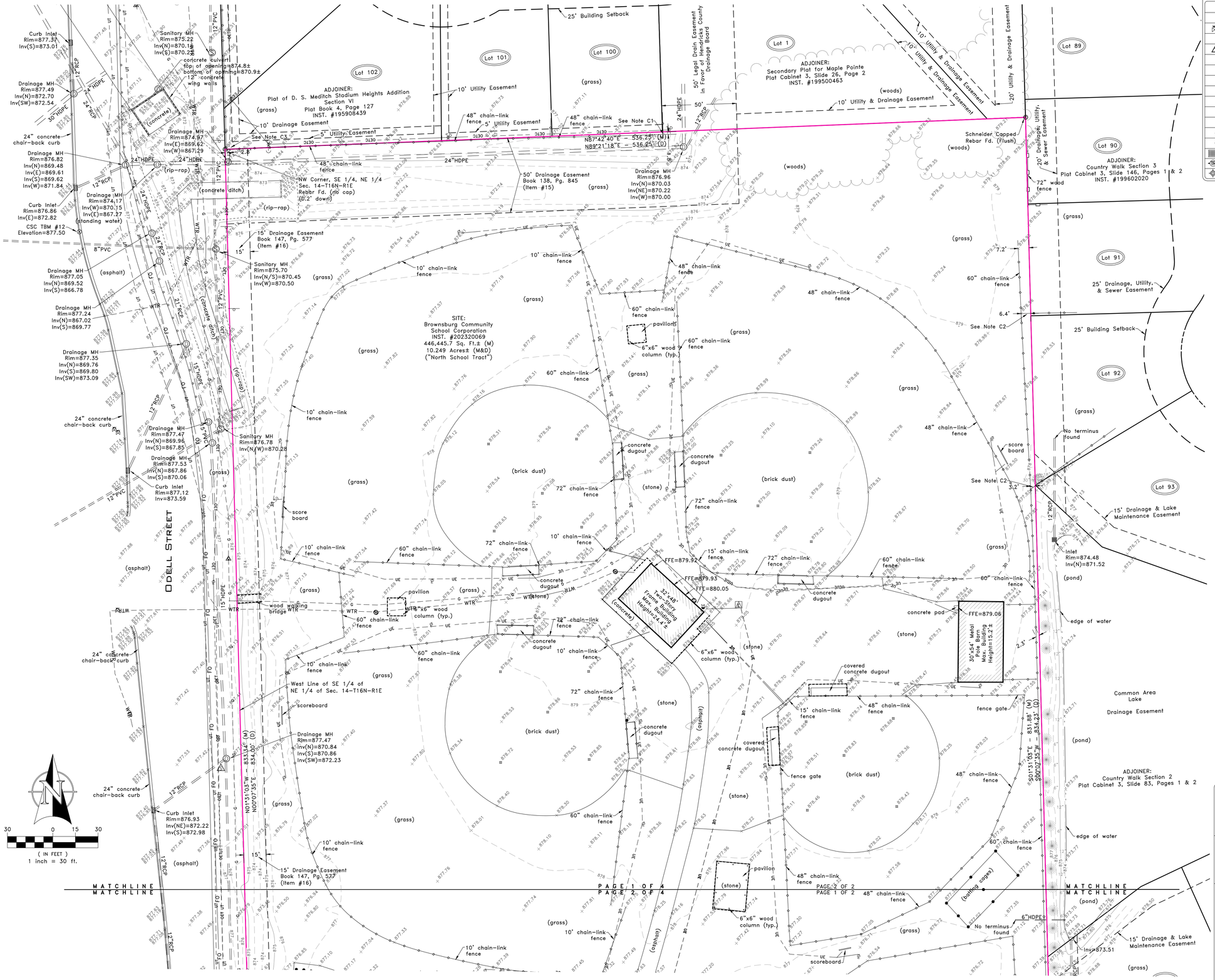
CERTIFIED BY:
KELLY ANN CAMPBELL
REGISTERED
No. PE10306181
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED FOR PERMIT
11/10/2025

DRAWING NUMBER
C002

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 - 9:24 AM EDITED BY: DVURKANIN DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C002 NOTES AND MAP SHEET.DWG

ALTA/NSPS/TOPOGRAPHIC LAND TITLE SURVEY



LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	SPRINKLER CONTROL VALVE
	TELE/FIBER OPTIC/GAS MARKER
	WATER/SANITARY MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
EP / TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC / GEN	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
TI	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE - SQUARE / ROUND

12" / 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D / S	DRAINAGE /SANITARY MANHOLE
C / L	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
UT	UNDG. TELEPHONE LINE
UE	UNDG. ELECTRIC LINE
OET	OVERHEAD ELE. & TEL
OETC	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
	UNDG. FORCE MAIN
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

VERTICAL DATUM:

CGS L 77 1946 ELEVATION 882.09 (NAVD 88)

A DISK SET IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES ABOVE GROUND LOCATED ABOUT 1.2 MILES SOUTHEAST ALONG THE PEORIA AND EASTERN RAILWAY FROM THE STATION AT BROWNSBURG, AT A FARM LANE CROSSING, 1 1/2 POLES SOUTHEAST OF POLE NUMBER 12/35, 34 FEET NORTHEAST OF THE NORTHEAST RAIL OF THE TRACK, 11 FEET NORTHWEST OF THE CENTER LINE OF THE FARM LANE, 3.3 FEET EAST OF A FENCE CORNER, 2 FEET SOUTHWEST OF A WHITE WOODEN WITNESS POST AND ABOUT 2.5 FEET BELOW TRACK LEVEL.

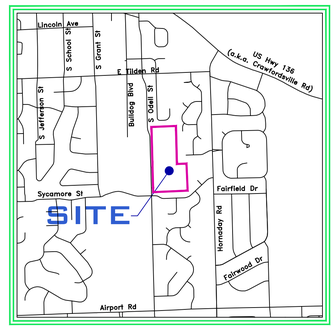
CSC TBM #1 ELEVATION 878.53

CUT "X" SET ON BACK OF 24-INCH CONCRETE CHAIR-BACK CURB LOCATED 53.9 FEET EAST OF THE PHYSICAL CENTERLINE OF ODELL STREET NEAR THE SOUTHWESTERN PORTION OF THE HEREIN SURVEYED AREA.

CSC TBM #12 ELEVATION 877.50

CUT "X" SET ON BACK OF 24-INCH CONCRETE CHAIR-BACK CURB LOCATED 17.6 FEET WEST OF THE PHYSICAL CENTERLINE OF ODELL STREET NEAR THE NORTHWESTERN PORTION OF THE HEREIN SURVEYED AREA.

VICINITY MAP
NOT TO SCALE



UTILITY STATEMENT:

The underground utilities shown have been located from field survey information and existing drawings. Field survey information consisting of paint markings found on the ground per the Indiana Underground Plant Protection Service (IUPPS - 811). The paint markings shown hereon as evidence of probable underground utility locations and are consistent with typical utility markings. However, no utility report was provided to authenticate these markings. The user of this plat/map should rely upon such markings at their own risk. The surveyor makes no guarantees the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant the underground utilities shown are in the exact location indicated, although the surveyor does certify they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

PREPARED FOR:
BROWNSBURG COMMUNITY SCHOOL CORPORATION
310 STADIUM DRIVE
BROWNSBURG, INDIANA 46112

C101

PREPARED BY: DONALD R. MOSSON
CENTRAL STATES CONSULTING, LLC
P.O. BOX 4
13 WEST PEARL STREET
NORTH SALEM, INDIANA 46165
PHONE: 317-858-8662 FAX: 317-342-2857

CENTRAL STATES CSC CONSULTING, LLC SURVEYING & LAND PLANNING

ALTA/NSPS/TOPOGRPAHIC LAND TITLE SURVEY
1001 SOUTH ODELL STREET
BROWNSBURG, INDIANA

DATE:	11-08-2024
DWN. BY:	JLMB
CHKD. BY:	DRM
SCALE:	1" = 30'

PROJECT NUMBER 20-099 - 2024

SHEET 1 OF 4

ALTA/NSPS/TOPOGRAPHIC LAND TITLE SURVEY

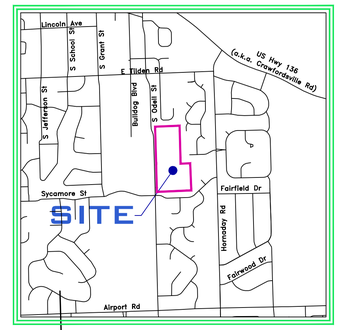
LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
	WATER VALVE/FIRE HYD/METER
	SPRINKLER CONTROL VALVE
	TELE/FIBER OPTIC/GAS MARKER
	WATER/SANITARY MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND

12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
UT	UNDG. TELEPHONE LINE
UE	UNDG. ELECTRIC LINE
OET	OVERHEAD ELE. & TEL
OETC	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
	UNDG. FORCE MAIN
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

30 0 15 30
(IN FEET)
1 inch = 30 ft.

VICINITY MAP
NOT TO SCALE



VERTICAL DATUM:

CGS L 77 1946 ELEVATION 882.09 (NAVD 88)

A DISK SET IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES ABOVE GROUND LOCATED ABOUT 1.2 MILES SOUTHEAST ALONG THE PEORIA AND EASTERN RAILWAY FROM THE STATION AT BROWNSBURG, AT A FARM LANE CROSSING, 1 1/2 POLES SOUTHEAST OF POLE NUMBER 12/35, 34 FEET NORTHEAST OF THE NORTHEAST RAIL OF THE TRACK, 11 FEET NORTHWEST OF THE CENTER LINE OF THE FARM LANE, 3.3 FEET EAST OF A FENCE CORNER, 2 FEET SOUTHWEST OF A WHITE WOODEN WITNESS POST AND ABOUT 2.5 FEET BELOW TRACK LEVEL.

CSC TBM #1 ELEVATION 878.53

CUT "X" SET ON BACK OF 24-INCH CONCRETE CHAIR-BACK CURB LOCATED 53.9 FEET EAST OF THE PHYSICAL CENTERLINE OF ODELL STREET NEAR THE SOUTHWESTERN PORTION OF THE HEREIN SURVEYED AREA.

CSC TBM #12 ELEVATION 877.50

CUT "X" SET ON BACK OF 24-INCH CONCRETE CHAIR-BACK CURB LOCATED 17.6 FEET WEST OF THE PHYSICAL CENTERLINE OF ODELL STREET NEAR THE NORTHWESTERN PORTION OF THE HEREIN SURVEYED AREA.

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BROWNSBURG COMMUNITY SCHOOL CORPORATION
310 STADIUM DRIVE
BROWNSBURG, INDIANA 46112

C102

PREPARED BY: DONALD R. MOSSON
CENTRAL STATES CONSULTING, LLC
P.O. BOX 4
13 WEST PEARL STREET
NORTH SALEM, INDIANA 46165
PHONE: 317-858-8662 FAX: 317-342-2857

CENTRAL STATES CSC CONSULTING, LLC
SURVEYING & LAND PLANNING

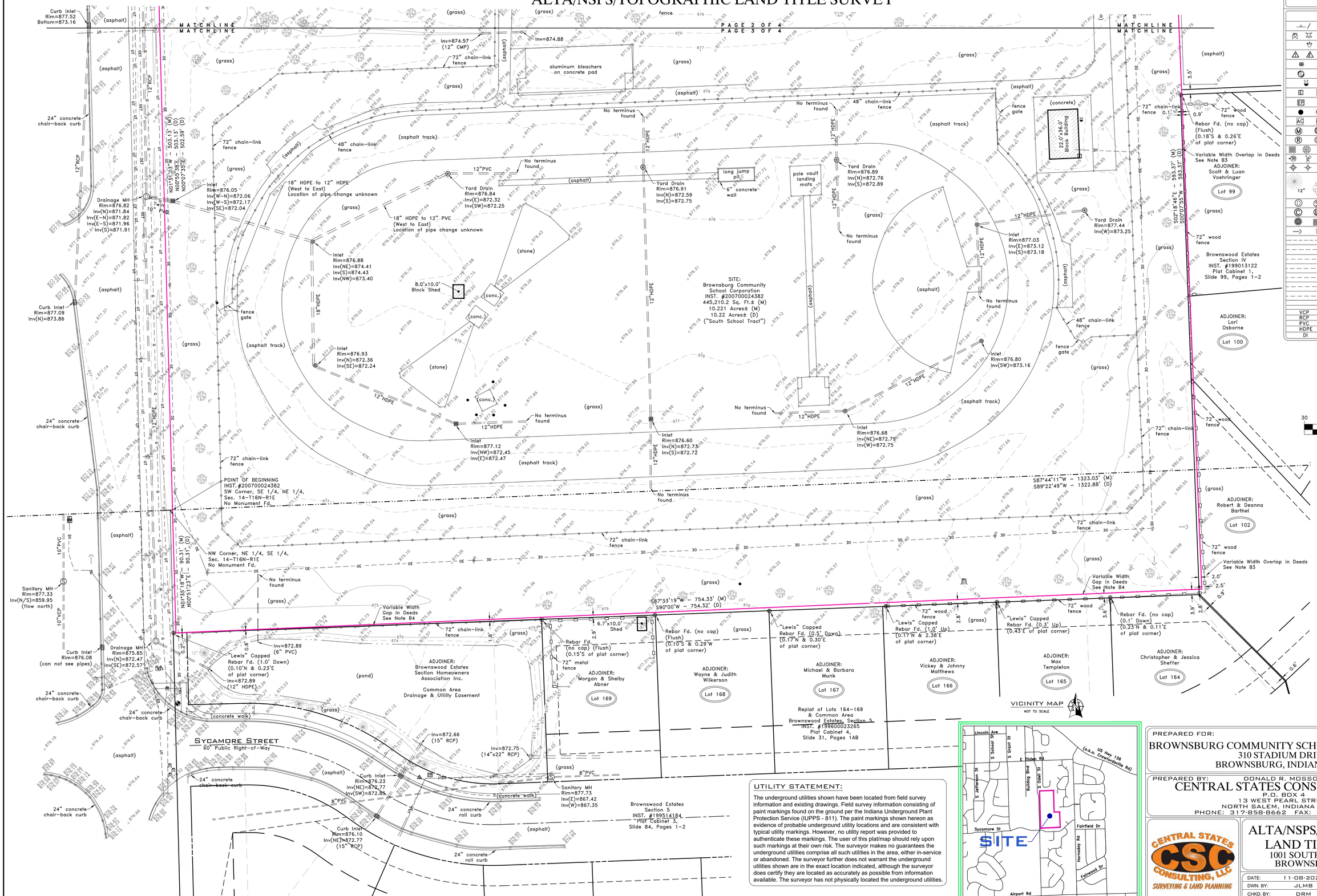
ALTA/NSPS/TOPOGRPAHIC LAND TITLE SURVEY
1001 SOUTH ODELL STREET
BROWNSBURG, INDIANA

DATE:	11-08-2024
DWN. BY:	JLMB
CHKD. BY:	DRM
SCALE:	1" = 30'

PROJECT NUMBER 20-099 - 2024

SHEET 2 OF 4

ALTA/NSPS/TOPOGRAPHIC LAND TITLE SURVEY



LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
	WATER VALVE/FIRE HYD/METER
	SPRINKLER CONTROL VALVE
	TELE/FIBER OPTIC/GAS MARKER
	WATER/SANITARY MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
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	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
	CONIFEROUS TREE & SIZE
	DECIDUOUS TREE & SIZE
	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
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VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
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PREPARED FOR:
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310 STADIUM DRIVE
BROWNSBURG, INDIANA 46112

C103

PREPARED BY: DONALD R. MOSSON
CENTRAL STATES CONSULTING, LLC
P.O. BOX 4
13 WEST PEARL STREET
NORTH SALEM, INDIANA 46165
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SURVEYING & LAND PLANNING

ALTA/NSPS/TOPOGRPAHIC LAND TITLE SURVEY

1001 SOUTH ODELL STREET
BROWNSBURG, INDIANA

DATE:	11-08-2024
DWN. BY:	JLMB
CHKD. BY:	DRM
SCALE:	1" = 30'

PROJECT NUMBER
20-099 - 2024

SHEET 3 OF 4

ALTA/NSPS/TOPOGRAPHIC LAND TITLE SURVEY

SURVEYOR'S REPORT

In accordance with Title 865, Article 1.1, Chapter 12, Sections 1 through 19 of the Indiana Administrative Code, the following observations and opinions are submitted regarding the various uncertainties in the locations of the lines and corners established on this survey as a result of:

A) Variances in the reference monuments;
B) Discrepancies in record descriptions and plats;
C) Inconsistencies in lines of occupation and;
D) Random errors in measurement (Relative Positional Accuracy)

There may be unwritten rights associated with these uncertainties. The client should assume there is an amount of uncertainty along any line equal in magnitude to the discrepancy in the location of the lines of possession from the surveyed lines.

There may be differences of deed dimensions versus measured dimensions along the boundary lines shown hereon and, likewise, there may be found survey markers near, but not precisely at, some boundary corners. In cases where the magnitude of these differences are less than the Relative Positional Accuracy stated below and less than the uncertainty identified for the reference monumentation (discussed below), the differences may be considered insignificant and are shown only for purposes of mathematical closure. Such differences that are greater than the Relative Positional Accuracy and the uncertainty in reference monumentation should be considered worthy of notice and are therefore further discussed below.

This survey and report are based in part upon opinions formed in accordance with an Indiana Land Surveyor's responsibility to conduct a survey in accordance with "law or a precedent" (865 IAC 1-12-11(5), Rules of the Indiana State Board of Registration for Land Surveyors). Since Indiana has no statutes addressing how to resolve boundary lines, a solution based on principles derived from common law precedent must be relied upon as the basis for a boundary resolution.

Unless otherwise noted or depicted hereon, there is no evidence of occupation along the perimeter lines of the subject tract. All survey monuments set or found this survey are flush with existing grade unless otherwise noted.

A.) This is a retracement survey of two tracts of land granted to Brownsburg Community School Corporation, recorded as Instrument Numbers 200700024382 and 202320069, both in the Office of the Recorder of Hendricks County, Indiana. The tract of land recorded as Instrument Number 202320069 is a 10.249-acre tract of land within the Northeast Quarter of Section 14, Township 16 North, Range 1 East of the Second Principal Meridian, Lincoln Township, Hendricks County, Indiana. The tract of land recorded as Instrument Number 200700024382 is a 10.22-acre tract of land within said Northeast Quarter and the Southeast Quarter of said Section 14. There is a cut "X" on a stone at the Northwest Corner of said Northeast Quarter. There is a cut "X" on a concrete gutter of a curb at the Northeast Corner of said Northeast Quarter. There is a Harrison Monument flush with the surface at the Southeast Corner of said Northeast Quarter also being the Northeast Corner of said Southeast Quarter. There is an iron pin flush with the surface at the Southeast Corner of said Southeast Quarter. There is a Hendricks County Surveyor's Office stamped disk flush with the surface at the Southwest Corner of said Southeast Quarter. These monuments were found by implementing references supplied by the Office of the Surveyor of Hendricks County, Indiana and accepted as prima facie evidence for purposes of this survey. There was no monument found at the Southwest Corner of said Quarter Section, the location of this corner was held per a Boundary Retracement Survey for the Brownsburg Community School Corporation Facilities Project at 570 Airport Road, Brownsburg, Indiana by Civil & Environmental Consultants, Inc. ("CEC"), Project Number 180-646, singed by Anthony Syers. There was no corner found at the Southwest Corner of the Southeast Quarter of said Northeast Quarter, also being the Northwest Corner of the Northeast Quarter of said Southeast Quarter. There is an uncertainty of 1.7 feet in the east-west direction in the location of this corner based on the school tracts being held at physical monuments found and held the location this corner differs from the calculated location based on the southern adjoining subdivision.

B.) Record descriptions of the site were obtained from Fidelity National Title Insurance Company and the Hendricks County Recorder's Office (latest research date: October 30, 2024) and mathematically retraced for the purpose of disclosing any gaps and/or overlaps between the lines of these surveyed parcels and their adjoiners. The following observations were found:

1.) There is an overlap between the northern herein surveyed tract ("North School Tract") (recorded as Instrument Number 202320069 in said Recorder's Office) and the southern herein surveyed tract ("South School Tract") (recorded as Instrument Number 200700024382 in said Recorder's Office) of 0.7 feet at the southwestern corner of the surveyed site and by as much as 2.4 feet at the southeastern corner of the surveyed site. NOTE: This historical overlap is not shown herein; North School Tract has conceded this area and the modernized description of this parcel is shown herein.
2.) It should be noted that there is a 14.8-foot gap between said South School Tract, which extends easterly of the North School Tract, and the eastern adjoining subdivision County Walk Section 2 (recorded as Plat Cabinet 3, Slide 83, Pages 1 & 2 in said Recorder's Office), as shown and dimensioned herein. This gap in deeds affects the eastern adjoining properties and the South School Tract.
3.) There is an overlap between the South School Tract and the eastern adjoining subdivision, Brownswood Estates Section IV (recorded in Plat Cabinet 1, Slide 99, Pages 1-2, as Instrument Number 199013122 in said Recorder's Office). The northern end of the said overlap is 0.9 feet and increases to 2.0 feet on the southern end, as shown and dimensioned herein. I believe the overlap is caused by the subdivision being tied to the Southeast Corner of said Southeast Quarter and the School Tract being tied to the Southwest Corner of the Southeast Quarter of said Northeast Quarter.
4.) There is a gap between the South School Tract and the southern adjoining subdivision, Replat of Lots 164-169 & Common Area Brownswood Estates, Section 5 (recorded in Plat Cabinet 4, Slide 31, Pages 1AB, as Instrument Number 199600023265 in said Recorder's Office). The western end of the gap is 0.2 feet and increases to 3.9 feet on the eastern end, as shown and dimensioned herein. I believe the overlap is caused by the subdivision being tied to the Southeast Corner of said Southeast Quarter and the School Tract being tied to the Southwest Corner of the Southeast Quarter of said Northeast Quarter.
5.) It should be noted that there is a gap between the two adjoining subdivisions, said Replat of Brownswood Estates Section 5 and said Brownswood Estates Section IV between lots 164 and 102. The gap is 0.6 feet near the southern lot corners and increases to 0.9 feet at the northern lot corners. It is not clear why the gap exists.
6.) It should be noted that there is a 3.5-foot gap between said Brownswood Estates Section IV and the eastern adjoining property granted to 1010 Hornaday Road IN LLC (recorded as Instrument Number 202404333 in said Recorder's Office). I believe the gap is caused by the subdivision being tied to the Southeast Corner of said Southeast Quarter and the eastern adjoining property being tied to the Southwest Corner of the Southeast Quarter of said Northeast Quarter.

C.) Significant inconsistencies in the lines of occupation were observed during this survey.

1.) There is a 48-inch chain-link fence encroaching along the western portion of the northern line of the North School Tract by as much as 1.8 feet, as shown herein.
2.) There is a 60-inch chain-link fence along the northern portion of the eastern line of the North School Tract that falls within the boundary of said site. There is an eastern adjoining lot that has extended their chain-link fence to T into the 60-inch chain-link fence within said site. The adjoining fence encroaches onto said site by as much as 6.4 feet.
3.) There is an overhead electric, telephone, and cable line that encroaches over the western line of the North School Tract by 2.8 feet at the northwestern corner, as shown and dimensioned herein. I have not been provided a document for the easement of this encroachment.
4.) There are 72-inch wood fences along the adjoining lots of Brownswood Estates Section IV, being along a portion of the eastern property line of said South School Tract, lying as much as 0.1 feet westerly of and as much as 2.5 feet easterly of said line, as shown herein.
5.) There are 72-inch wood fences, a 72-inch metal fence, and a 72-inch chain-link fence along the adjoining lots of the Replat of Brownswood Estate Section 5, being along the southern property line of said South School Tract, lying between 0.6 feet and 3.6 feet southerly of said line, as shown herein.

D.) The Theoretical Uncertainty (Due to Random Errors in Measurement) of the corners of the subject tract established by this survey is within the specifications for the Urban Survey (0.07 feet +/- 50 ppm) as defined in IAC 865.

As a result of the above observations, it is my opinion that the uncertainties in the locations of the lines and corners established on this survey are as follows:

Due to variances in reference monuments: 1.7 feet;

Due to discrepancies in the record description: 3.9 feet; (gap)

Due to inconsistencies in lines of occupation: 6.4 feet;

Due to random errors in measurement: 0.07 feet +/- 50 ppm.

Mailing Address of Site:
1001 South Odell Street, Brownsburg, Indiana 46112

Basis of Bearing System: The bearing of the South Line of the Northeast Quarter of Section 14, Township 16 North, Range 1 East was assumed to be North 87 degrees 44 minutes 11 seconds East per GPS observations taken during the course of the survey of this site.

NOTE: Regarding Table A, Item 3; According to the Federal Emergency Management Agency (FEMA), Flood Insurance Rate Map Number 18063C0159D, with an effective date of September 25, 2009, this site lies entirely within Zone "X" (Areas of 500-year flooding, areas of 100-year flood with average depths of less than 1 foot or with drainage areas of less than 1 square mile; and areas protected by levees from 100-year flood).

NOTE: Regarding Table A, Item 6; No zoning report nor zoning letter was provided to me at the time of this survey.

NOTE: Regarding Table A – Item 9; There are 147 regular marked parking spaces and 5 handicapped marked parking spaces, totaling 152 marked parking spaces on the surveyed property.

NOTE: Regarding Table A, Item 16; During the time of this survey there was no construction observed on the surveyed property.

NOTE: Regarding Table A – Item 17; I have no intimate knowledge of proposed changes in the street right-of-way lines associated with this site.

NOTE: The western boundary of the North School Tract is coincident with the eastern right-of-way line of Odell Street. It is my understanding and belief that said right-of-way is not limited access. There currently is not an entrance off Odell Street onto said North School Tract. The access to this tract is currently located on the southern boundary line through an asphalt drive located on the South School Tract.

Date of Latest Field Activity: November 7, 2024

This plat of an ALTA/NSPS Land Title Survey was performed referencing a commitment for title insurance prepared by Kensington Vanguard National Land Services, LLC and issued by First American Title Insurance Company as Policy Number 5163357-F-IN-CP-IND with a Commitment Date of September 25, 2023 at 08:00 AM. The following items are keyed to Schedule B – Part II Exceptions of said commitments for title insurance:

Items 1) through 12) No comment.

Item 13) See RIGHT-OF-WAY EASEMENT dated August 18, 1971 and recorded August 23, 1971 as Book 59, page 438 for the creation of an electric line easement parallel and adjacent to the southern boundary of the herein surveyed North School Tract as shown and labeled herein.

Item 14) No comment.

Item 15) See DRAINAGE EASEMENT dated November 14, 1993 and recorded December 7, 1993 in Miscellaneous Record 138, Page 845 for the creation of a 50-foot-wide drainage easement along a portion of the northern line of the surveyed North School Tract, as shown herein.

Item 16) See GRANT OF DRAINAGE EASEMENT dated April 23, 1995 and recorded June 2, 1995 in Miscellaneous Record 147, Page 577 for the creation of a 15-foot-wide drainage easement along the western line of the surveyed North School Tract, as shown herein.

Item 17) No comment.

There are no: (i) encroachments upon the subject property by improvements on adjacent property; (ii) encroachments on adjacent property, streets or alleys by improvements on the subject property; (iii) no party walls; or (iv) no visible and apparent conflicts or protrusions except as shown herein.

To: Brownsburg Community School Corporation, an Indiana community school corporation; Kensington Vanguard National Land Services, LLC; and First American Title Insurance:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes items 1-5, 6, 11, 13, and 16-19 of Table A thereof. The field work was completed on November 7, 2024.

Date: November 8, 2024

Donald R. Mosson
State of Indiana
Professional Surveyor No. 9600013

DONALD R. MOSSON REGISTERED No. 9600013 STATE OF INDIANA LAND SURVEYOR

NORTH SCHOOL TRACT
FORMER RECORD LAND DESCRIPTION

NORTH SCHOOL TRACT
FORMER RECORD LAND DESCRIPTION
(from Instrument Number 202320068)

A part of the Southeast Quarter of the Northeast Quarter of Section 14, Township 16 North, Range 1 East, Hendricks County, Indiana, described as follows:

COMMENCING at an iron pin with cap which marks the Southeast corner of the above captioned Northeast Quarter; thence South 89 degrees 22 minutes 49 seconds West (assumed bearing) with the south line of the Southeast Quarter of the Northeast Quarter 1322.88 feet to the southwest corner of said quarter-quarter (for reference the iron pin which marks the Southwest corner of the Northeast quarter is South 89 degrees 22 minutes 49 seconds West 1322.88 feet); thence North no degrees 07 minutes 35 seconds East with the West line of the quarter-quarter 502.59 feet to an iron pin and the point of beginning of the parcel herein described; thence continuing North no degrees 07 minutes 35 seconds East, with the West line of the Southeast quarter of the Northeast quarter 834.00 feet to an iron pin which marks the accepted Northwest corner of said quarter-quarter and the Southwest corner of the D. S. Meditch Stadium Heights Addition, Section VI; thence North 89 degrees 21 minutes 18 seconds East, with the south line of said addition and continuing with the south line of a 6.9992 acre parcel as recorded in Deed Record 250, page 560 a distance of 536.25 feet to an iron pin; thence South no degrees 07 minutes 35 seconds West 834.23 feet to an iron pin; thence South 89 degrees 22 minutes 49 seconds West 536.25 feet to the point of BEGINNING.

SOUTH SCHOOL TRACT
RECORD LAND DESCRIPTION

SOUTH SCHOOL TRACT
RECORD LAND DESCRIPTION
(from Instrument Number 200700024382)

A part of the Southeast Quarter of the Northeast Quarter and part of the Northeast Quarter of the Southeast Quarter of Section 14, Township 16 North, Range 1 East, Hendricks County, Indiana, being more particularly described as follows: Beginning at the Southwest corner of said Southeast Quarter of the Northeast Quarter Section; thence north 0 degrees 55 minutes 38 seconds east on and along the west line of said Quarter-Quarter Section 503.13 feet; thence north 90 degrees 0 minutes east 746.20 feet; thence south 0 degrees 7 minutes 55 seconds west 593.37 feet; thence south 90 degrees 0 minutes west 754.32 feet to a point on the west line of said northeast quarter of the southeast quarter; thence north 0 degrees 51 minutes 23 seconds east on and along said west line 90.31 feet to the point of beginning, containing 10.22 acres, more or less.

NORTH SCHOOL TRACT
MODERNIZED LAND DESCRIPTION

NORTH SCHOOL TRACT
MODERNIZED LAND DESCRIPTION
(from Instrument Number 202320069)

A part of the Southeast Quarter of the Northeast Quarter of Section 14, Township 16 North, Range 1 East of the Second Principal Meridian, Lincoln Township, Hendricks County, Indiana, also being a portion of the tract of land granted to Brownsburg Girls Slo-Pitch Softball League, recorded as Book 314, pages 854-855, Book 309, page 385, Book 314, pages 856-857 and Book 314, pages 858-859 all in the Office of the Recorder of Hendricks County, Indiana (Note: all recording hereinafter refers to said Recorder's Office), based upon the ALTA/NSPS/Topographic Land Title Survey, dated October 25, 2023 by Donald R. Mosson, PS #9600013, with Central States Consulting, LLC, Project Number 20-099, more particularly described as follows:

Commencing at the Southeast Corner of the Southeast Quarter of the Northeast Quarter of said Section 14, Township 16 North, Range 1 East; thence South 87 degrees 44 minutes 11 seconds West (Basis of Bearings: Indiana State Plane, West Zone, NAD 83) 1323.03 feet along the South Line of said Southeast Quarter-Quarter to the Southwest Corner thereof; thence North 01 degree 31 minutes 03 seconds West 503.13 feet along the West Line of said Southeast Quarter-Quarter to the northwestern corner of the 10.22-acre tract of land granted to Brownsburg Community School Corporation ("School tract") (Instrument Number 200700024382), being the POINT OF BEGINNING of this description; thence continue North 01 degree 31 minutes 03 seconds West 833.34 feet along said West Line to the southwestern corner of the D. S. Meditch Stadium Heights Addition, Section VI ("Section VI") (Plat Book 4, Page 127, Instrument Number 195908439); thence North 87 degrees 42 minutes 40 seconds East 536.25 feet along the southern line of said Section VI and the southern line of the Secondary Plat for Maple Pointe (Plat Cabinet 3, Slide 26, Page 2, Instrument Number 199500463) to the southeastern corner thereof on the western line of Country Walk Section 3 ("Section 3") (Plat Cabinet 3, Slide 146, Pages 1 and 2, Instrument Number 199602020); thence South 01 degree 31 minutes 03 seconds East 831.88 feet along the western line of said Section 3, the western line of Country Walk Section 2 (Plat Cabinet 3, Slide 83, Pages 1 and 2) and its southerly projection to the northern line of said School tract; thence South 87 degrees 33 minutes 19 seconds West 536.27 feet along said northern line to the POINT OF BEGINNING, containing 10.249 acres, more or less.

LEGEND:

	DESCRIPTION:
-o-/ -o-	SIGN / TWO POST SIGN
	WATER VALVE/FIRE HYD/METER
	SPRINKLER CONTROL VALVE
	TELE/FIBER OPTIC/GAS MARKER
	WATER/SANITARY MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
EP / TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC / GEN	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" / 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
UT	UNDG. TELEPHONE LINE
UE	UNDG. ELECTRIC LINE
OET	OVERHEAD ELE. & TEL
OETC	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
	UNDG. FORCE MAIN
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

VERTICAL DATUM:

CGS L 77 1946 ELEVATION 882.09 (NAVD 88)

A DISK SET IN THE TOP OF A CONCRETE POST PROJECTING 5 INCHES ABOVE GROUND LOCATED ABOUT 1.2 MILES SOUTHEAST ALONG THE PEORIA AND EASTERN RAILWAY FROM THE STATION AT BROWNSBURG, AT A FARM LANE CROSSING, 1 1/2 POLES SOUTHEAST OF POLE NUMBER 12/35, 34 FEET NORTHEAST OF THE NORTHEAST RAIL OF THE TRACK, 11 FEET NORTHWEST OF THE CENTER LINE OF THE FARM LANE, 3.3 FEET EAST OF A FENCE CORNER, 2 FEET SOUTHWEST OF A WHITE WOODEN WITNESS POST AND ABOUT 2.5 FEET BELOW TRACK LEVEL.

CSC TBM #1 ELEVATION 878.53

CUT "X" SET ON BACK OF 24-INCH CONCRETE CHAIR-BACK CURB LOCATED 53.9 FEET EAST OF THE PHYSICAL CENTERLINE OF ODELL STREET NEAR THE SOUTHWESTERN PORTION OF THE HEREIN SURVEYED AREA.

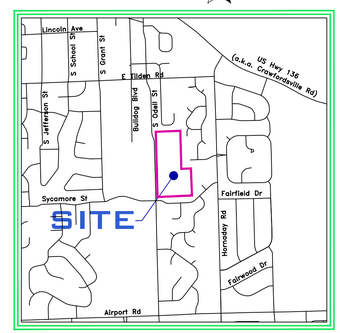
CSC TBM #12 ELEVATION 877.50

CUT "X" SET ON BACK OF 24-INCH CONCRETE CHAIR-BACK CURB LOCATED 17.6 FEET WEST OF THE PHYSICAL CENTERLINE OF ODELL STREET NEAR THE NORTHWESTERN PORTION OF THE HEREIN SURVEYED AREA.

UTILITY STATEMENT:

The underground utilities shown have been located from field survey information and existing drawings. Field survey information consisting of paint markings found on the ground per the Indiana Underground Plant Protection Service (IUPPS - 811). The paint markings shown hereon as evidence of probable underground utility locations and are consistent with typical utility markings. However, no utility report was provided to authenticate these markings. The user of this plat/map should rely upon such markings at their own risk. The surveyor makes no guarantees the underground utilities comprise all such utilities in the area, either in-service or abandoned. The surveyor further does not warrant the underground utilities shown are in the exact location indicated, although the surveyor does certify they are located as accurately as possible from information available. The surveyor has not physically located the underground utilities.

VICINITY MAP
NOT TO SCALE



PREPARED FOR:
BROWNSBURG COMMUNITY SCHOOL CORPORATION
310 STADIUM DRIVE
BROWNSBURG, INDIANA 46112

C104

PREPARED BY: DONALD R. MOSSON
CENTRAL STATES CONSULTING, LLC
P.O. BOX 4
13 WEST PEARL STREET
NORTH SALEM, INDIANA 46165
PHONE: 317-858-8662 FAX: 317-342-2857

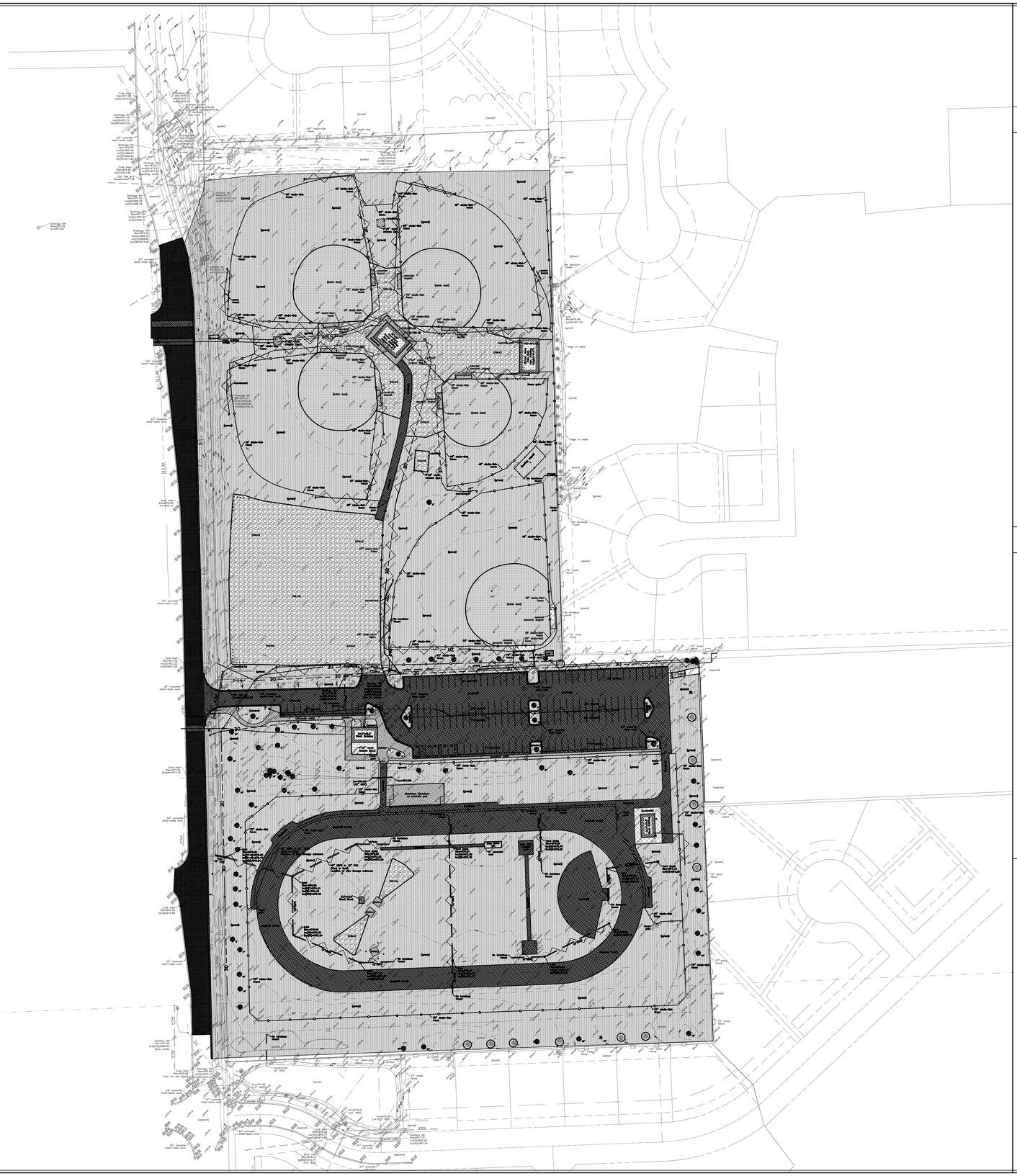
CENTRAL STATES CSC CONSULTING, LLC SURVEYING & LAND PLANNING

ALTA/NSPS/TOPOGRPAHIC LAND TITLE SURVEY
1001 SOUTH ODELL STREET
BROWNSBURG, INDIANA

DATE:	11-08-2024
DWN. BY:	JLMB
CHKD. BY:	DRM
SCALE:	1" = 30'

PROJECT NUMBER 20-099 - 2024

SHEET 4 OF 4



0' 80' 160'

SCALE: 1"=80'

○ KEYNOTES

A. REMOVE TREES AND STUMPS IN ITS ENTIRETY. SEE LANDSCAPE PLANS
B. REMOVE AND RESET TRAFFIC SIGN
C. EXISTING DUE UTILITY LINE. LINE TO BE REMOVED OR RELOCATED BY DUKE. COORDINATE TIMING WITH UTILITY
D. SAWCUT AND REMOVE FULL DEPTH ASPHALT
E. REMOVE VEGETATION
F. REMOVE FENCE, GATES, POSTS AND FOUNDATIONS. REMOVE BASEBALL AND SOFTBALL FENCE IN ITS ENTIRETY. REMOVE TRACK AND FIELD FENCE IN ITS ENTIRETY
G. REMOVE STONE
H. REMOVE PLANTERS
I. REMOVE BUILDING AND FOUNDATIONS IN ITS ENTIRETY. COORDINATE WITH OWNER ON DISCONNECT OF UTILITIES PRIOR TO DEMOLITION
J. REMOVE SIGNS
K. REMOVE WHEEL STOP, PROVIDE TO OWNER
L. REMOVE PAVILION/SHED
M. REMOVE BACKSTOP
N. REMOVE GAS METER/ SERVICE LINES, PER CENTERPOINT STANDARD
O. REMOVE WATER METERS
P. REMOVE STORM PIPE
Q. REMOVE STORM STRUCTURE
R. REMOVE FOUL BALL NETTING, POSTS AND FOUNDATIONS
S. REMOVE WATER PIPE
T. REMOVE SCORE BOARD
U. REMOVE FOUL POLE AND FOUNDATION
V. REMOVE SOFTBALL INFIELD IN ITS ENTIRETY
W. REMOVE BATTING CAGES, NETTING AND FOUNDATIONS IN ENTIRETY
X. REMOVE LIGHT POLES IN THEIR ENTIRETY
Y. REMOVE DUGOUT IN ITS ENTIRETY
Z. REMOVE ELECTRIC/ COMMUNICATION LINE. SEE MEP PLANS
AA. REMOVE WOODEN BRIDGE
AB. ADJUST CASTING TO GRADE TO MEET PROPOSED GRADE. SEE UTILITY & GRADING PLAN
AC. REMOVE SANITARY MANHOLE
AD. REMOVE SANITARY PIPE
AE. REMOVE FIELD EVENT PIT IN ITS ENTIRETY
AF. REMOVE BLEACHERS AND CONCRETE PAD
AG. REMOVE WOODEN BOLLARDS
AH. REMOVE CONCRETE
AI. REMOVE THROWING AREA IN ITS ENTIRETY
AJ. REMOVE METAL POLE
AK. REMOVE AND RELOCATE UTILITY POLE AND GUY WIRES. COORDINATE RELOCATION WITH UTILITY/TOWN OF BROWNSBURG PRIOR TO CONSTRUCTION
AL. REMOVE POLE VAULT EQUIPMENT. PROVIDE TO OWNER.
AM. DETERMINE WHERE LINE EXTENDS TO CONFIRM NO FLOW FROM OFFSITE INTO LINE
AN. CAP WATER SERVICE LINE AT MAIN
AO. CUT AND CAP LINE, CONFIRM IF NEEDED BEFORE REMOVAL
AP. DETERMINE SIZE OF WATER LINE AND REPORT TO ENGINEER AND G.C. IF LESS THAN 8", REMOVE TO MAIN
AQ. SANITARY LATERAL ASSUMED TO EXIT SOUTH OF BUILDING TO STRUCTURE NORTH OF TRACK PARKING LOT. REMOVE LATERAL IN ITS ENTIRETY.

DEMOLITION LEGEND

- SAWCUT AND REMOVE CONCRETE CURB & GUTTER
- SAWCUT PAVEMENT
- REMOVE UTILITY
- SAWCUT AND REMOVE ASPHALT
- SAWCUT AND REMOVE CONCRETE
- REMOVE VEGETATION AS NECESSARY FOR CONSTRUCTION
- REMOVE STONE
- REMOVE BUILDING/ STRUCTURE AND FOUNDATION IN ITS ENTIRETY
- REMOVE DIRT
- 1½" MILL AND RESURFACE
- OBJECT TO BE PROTECTED
- PROJECT AREA

NOTES:
INTENT IS TO REMOVE ALL ELEMENTS WITHIN THE EXISTING BALLFIELDS AND TRACK AND FIELD TO PREPARE FOR PROPOSED PROJECT.

Indiana 811
Know what's below. Call before you dig.
PER INDIANA STATE LAW IS-69-1991. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. TEMPORARY CONSTRUCTION ACCESS, PROTECTION OF EXISTING INLETS, PERIMETER CONTROL VIA SILT FENCE, SILT SOCK AND CONSTRUCTION FENCE SHALL BE INSTALLED PRIOR TO INITIATION OF DEMOLITION PLAN.
2. THE DEMOLITION PLAN IS BASED ON INFORMATION PROVIDED ON THE TOPOGRAPHIC SURVEY. CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND COMPARING THE DOCUMENTS TO THE FIELD CONDITIONS. IF DISCREPANCIES OCCUR, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD.
3. THE CONTRACTOR SHALL REMOVE AND DISPOSE ALL EXISTING STRUCTURES, STONE, CONCRETE AND PAVEMENT OFF SITE UNLESS NOTED TO REMAIN ON THE CONTRACT DRAWINGS.
4. THE CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION. IF A MONUMENT IS MOVED OR DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SURVEYOR OF RECORD.
5. THIS SECTION REQUIRES THE REMOVAL AND DISPOSAL, OFF SITE, OF THE FOLLOWING:
   a. SPECIFIED OBJECTS
   b. VEGETATION WITHIN THE WORK AREA.
6. CONTRACTOR SHALL SUBMIT THE FOLLOWING IN ACCORDANCE WITH CONDITIONS OF THE CONTRACT AND APPROPRIATE SPECIFICATION SECTIONS:
   a. A DETAILED SEQUENCE AND SCHEDULE OF DEMOLITION AND REMOVAL WORK TO BE COMPLETED.
7. JOB CONDITIONS
   a. SALVAGED MATERIALS: ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED FROM SITE AS WORK PROGRESSES. TRANSPORT SALVAGED ITEMS FROM THE SITE AS THEY ARE REMOVED.
   b. STORAGE OR SALE OF REMOVED ITEMS WILL NOT BE PERMITTED ON SITE.
   c. EXPLOSIVES: USE OF ANY TYPE OF EXPLOSIVES WILL NOT BE PERMITTED.
   d. TRAFFIC: CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
   e. DO NOT CLOSE OR OBSTRUCT ROADS, STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRE BY GOVERNING AUTHORITIES.
   f. PROTECTIONS: ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION, CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES, AND OTHER FACILITIES AND INJURY TO PERSONS.
   g. DAMAGES: PROMPTLY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.
   h. UTILITY SERVICES: MAINTAIN EXISTING UTILITIES TO STAY IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DISCONNECT, CAP AND REMOVE UTILITY SERVICES PER LOCAL REQUIREMENTS. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTIONS HAVE BEEN COMPLETED TO THE SATISFACTION OF LOCAL UTILITIES. (AS REQUIRED)
8. DEMOLITION
   a. BELOW-GRADE CONSTRUCTION: DEMOLISH FOUNDATION WALLS AND BELOW-GRADE CONSTRUCTION, INCLUDING CONCRETE SLABS TO A DEPTH OF NOT LESS THAN 48 INCHES BELOW LOWEST FOUNDATION LEVEL.
   b. FILLING VOIDS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION. BACK FILL TO BE COMPACTED TO 90% STANDARD PROCTOR OR 98% ON NEW STRUCTURES.
9. DISPOSAL OF DEMOLISHED MATERIALS
   a. GENERAL: REMOVE WEEKLY FROM SITE ACCUMULATED DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
   b. REMOVAL: TRANSPORT MATERIALS REMOVED FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF-SITE.
10. TEMPORARY TRAFFIC CONTROL DURING DEMOLITION AND CONSTRUCTION SHALL CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
11. CONTRACTOR SHALL LOCATE UTILITIES PRIOR TO CONSTRUCTION. NOTE UTILITIES ALONG ODELL STREET VARY IN DEPTH AND ARE SHALLOW IN LOCATIONS. CONTRACTOR SHALL DAYLIGHT UTILITIES IN AREA OF CUT AND AREAS OF NEW UTILITY CROSSINGS.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC / AH	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
UT	UNDG. TELEPHONE LINE
UE	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELEC. & TEL
OHTA	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
Higher Achievement • Together
CSO
3831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

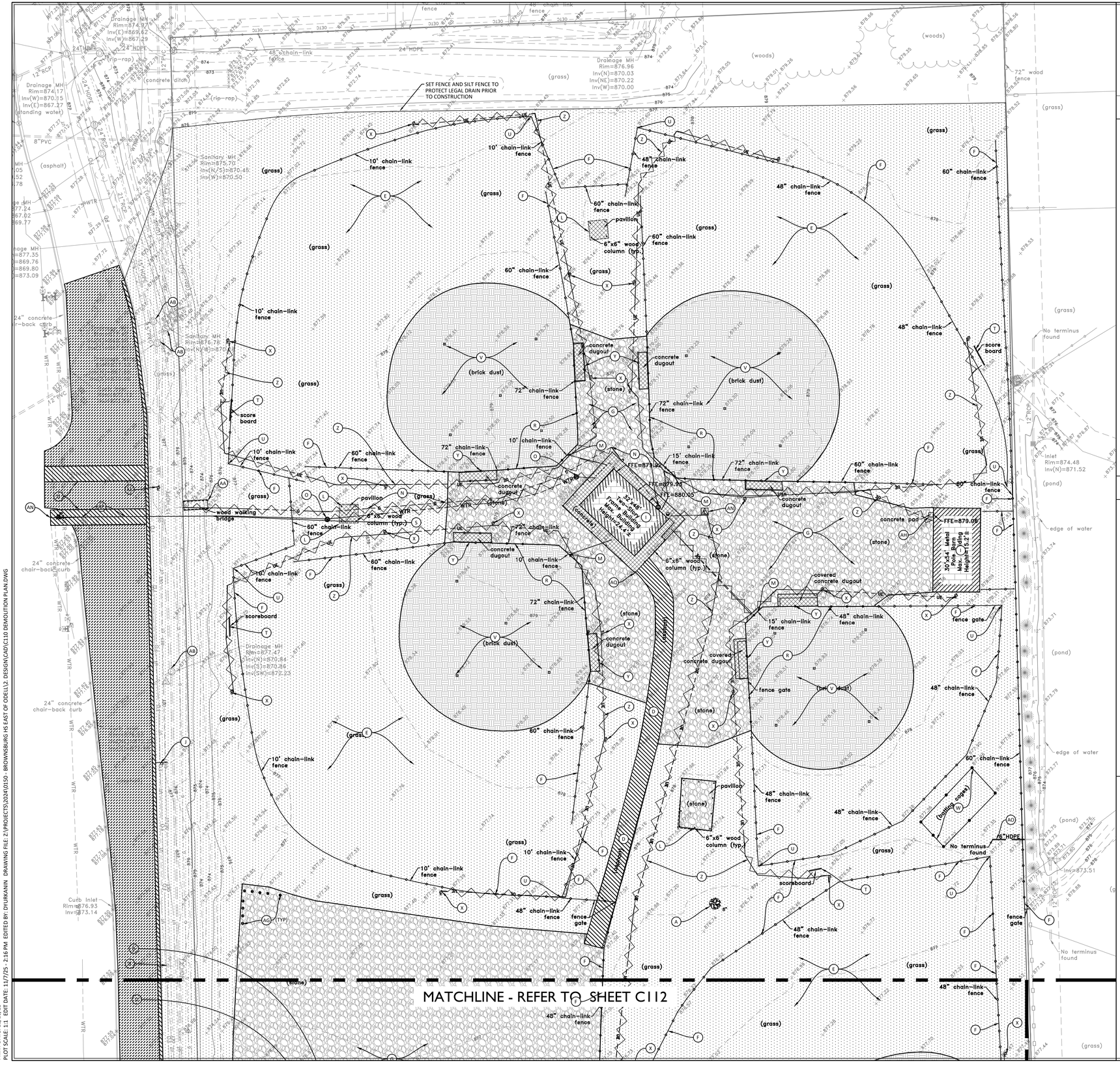
DRAWING TITLE:
OVERALL DEMOLITION PLAN

CERTIFIED BY:
KELLY ANN CARLSON, REGISTERED, No. PE10703661, STATE OF INDIANA, PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C110

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 - 2:16 PM EDITED BY: DVURKANIN DRAWING FILE: Z:\PROJECTS\20240150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C110 DEMOLITION PLAN.DWG



PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 - 2:16 PM EDITED BY: DYURKANIN DRAWING FILE: Z:\PROJECTS\2024\01050 BROWNSBURG HS EAST OF ODELL\3 DESIGN\CAD\C110 DEMOLITION PLAN.DWG

0' 30' 60'

SCALE: 1"=30'

KEYNOTES

A. REMOVE TREES AND STUMPS IN ITS ENTIRETY. SEE LANDSCAPE PLANS
B. REMOVE AND RESET TRAFFIC SIGN
C. EXISTING DUE UTILITY LINE. LINE TO BE REMOVED OR RELOCATED BY DUKE. COORDINATE TIMING WITH UTILITY
D. SAWCUT AND REMOVE FULL DEPTH ASPHALT
E. REMOVE VEGETATION
F. REMOVE FENCE, GATES, POSTS AND FOUNDATIONS. REMOVE BASEBALL AND SOFTBALL FENCE IN ITS ENTIRETY. REMOVE TRACK AND FIELD FENCE IN ITS ENTIRETY
G. REMOVE STONE
H. REMOVE PLANTERS
I. REMOVE BUILDING AND FOUNDATIONS IN ITS ENTIRETY. COORDINATE WITH OWNER ON DISCONNECT OF UTILITIES PRIOR TO DEMOLITION
J. REMOVE SIGNS
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R. REMOVE FOUL BALL NETTING, POSTS AND FOUNDATIONS
S. REMOVE WATER PIPE
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U. REMOVE FOUL POLE AND FOUNDATION
V. REMOVE SOFTBALL INFIELD IN ITS ENTIRETY
W. REMOVE BATTING CAGES, NETTING AND FOUNDATIONS IN ENTIRETY
X. REMOVE LIGHT POLES IN THEIR ENTIRETY
Y. REMOVE DUGOUT IN ITS ENTIRETY
Z. REMOVE ELECTRIC/ COMMUNICATION LINE. SEE MEP PLANS
AA. REMOVE WOODEN BRIDGE
AB. ADJUST CASTING TO GRADE TO MEET PROPOSED GRADE. SEE UTILITY & GRADING PLAN
AC. REMOVE SANITARY MANHOLE
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AE. REMOVE FIELD EVENT PIT IN ITS ENTIRETY
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AG. REMOVE WOODEN BOLLARDS
AH. REMOVE CONCRETE
AI. REMOVE THROWING AREA IN ITS ENTIRETY
AJ. REMOVE METAL POLE
AK. REMOVE AND RELOCATE UTILITY POLE AND GUY WIRES. COORDINATE RELOCATION WITH UTILITY/TOWN OF BROWNSBURG PRIOR TO CONSTRUCTION.
AL. REMOVE POLE VAULT EQUIPMENT. PROVIDE TO OWNER.
AM. DETERMINE WHERE LINE EXTENDS TO CONFIRM NO FLOW FROM OFFSITE INTO LINE.
AN. CAP WATER SERVICE LINE AT MAIN
AO. CUT AND CAP LINE, CONFIRM IF NEEDED BEFORE REMOVAL
AP. DETERMINE SIZE OF WATER LINE AND REPORT TO ENGINEER AND G.C. IF LESS THAN 8", REMOVE TO MAIN
AQ. SANITARY LATERAL ASSUMED TO EXIT SOUTH OF BUILDING TO STRUCTURE NORTH OF TRACK PARKING LOT. REMOVE LATERAL IN ITS ENTIRETY.

DEMOLITION LEGEND

- SAWCUT AND REMOVE CONCRETE CURB & GUTTER
- SAWCUT PAVEMENT
- REMOVE UTILITY
- SAWCUT AND REMOVE ASPHALT
- SAWCUT AND REMOVE CONCRETE
- REMOVE VEGETATION AS NECESSARY FOR CONSTRUCTION
- REMOVE STONE
- REMOVE BUILDING/ STRUCTURE AND FOUNDATION IN ITS ENTIRETY
- REMOVE DIRT
- 1½" MILL AND RESURFACE
- OBJECT TO BE PROTECTED
- PROJECT AREA

NOTES:
INTENT IS TO REMOVE ALL ELEMENTS WITHIN THE EXISTING BALLFIELDS AND TRACK AND FIELD TO PREPARE FOR PROPOSED PROJECT.

Indiana 811
Know what's below. Call before you dig.
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BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. TEMPORARY CONSTRUCTION ACCESS, PROTECTION OF EXISTING INLETS, PERIMETER CONTROL VIA SILT FENCE, SILT SOCK AND CONSTRUCTION FENCE SHALL BE INSTALLED PRIOR TO INITIATION OF DEMOLITION PLAN.
2. THE DEMOLITION PLAN IS BASED ON INFORMATION PROVIDED ON THE TOPOGRAPHIC SURVEY. CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND COMPARING THE DOCUMENTS TO THE FIELD CONDITIONS. IF DISCREPANCIES OCCUR, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD.
3. THE CONTRACTOR SHALL REMOVE AND DISPOSE ALL EXISTING STRUCTURES, STONE, CONCRETE AND PAVEMENT OFF SITE UNLESS NOTED TO REMAIN ON THE CONTRACT DRAWINGS.
4. THE CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION. IF A MONUMENT IS MOVED OR DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SURVEYOR OF RECORD.
5. THIS SECTION REQUIRES THE REMOVAL AND DISPOSAL, OFF SITE, OF THE FOLLOWING:
   a. SPECIFIED OBJECTS
   b. VEGETATION WITHIN THE WORK AREA.
6. CONTRACTOR SHALL SUBMIT THE FOLLOWING IN ACCORDANCE WITH CONDITIONS OF THE CONTRACT AND APPROPRIATE SPECIFICATION SECTIONS:
   a. A DETAILED SEQUENCE AND SCHEDULE OF DEMOLITION AND REMOVAL WORK TO BE COMPLETED.
7. JOB CONDITIONS
   a. SALVAGED MATERIALS: ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED FROM SITE AS WORK PROGRESSES. TRANSPORT SALVAGED ITEMS FROM THE SITE AS THEY ARE REMOVED.
   b. STORAGE OR SALE OF REMOVED ITEMS WILL NOT BE PERMITTED ON SITE.
   c. EXPLOSIVES: USE OF ANY TYPE OF EXPLOSIVES WILL NOT BE PERMITTED.
   d. TRAFFIC: CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
   e. DO NOT CLOSE OR OBSTRUCT ROADS, STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRE BY GOVERNING AUTHORITIES.
   f. PROTECTIONS: ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION, CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES, AND OTHER FACILITIES AND INJURY TO PERSONS.
   g. DAMAGES: PROMPTLY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.
   h. UTILITY SERVICES: MAINTAIN EXISTING UTILITIES TO STAY IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DISCONNECT, CAP AND REMOVE UTILITY SERVICES PER LOCAL REQUIREMENTS. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTIONS HAVE BEEN COMPLETED TO THE SATISFACTION OF LOCAL UTILITIES. (AS REQUIRED)
8. DEMOLITION
   a. BELOW-GRADE CONSTRUCTION: DEMOLISH FOUNDATION WALLS AND BELOW-GRADE CONSTRUCTION, INCLUDING CONCRETE SLABS TO A DEPTH OF NOT LESS THAN 48 INCHES BELOW LOWEST FOUNDATION LEVEL.
   b. FILLING VOIDS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION. BACK FILL TO BE COMPACTED TO 90% STANDARD PROCTOR OR 98% ON NEW STRUCTURES.
9. DISPOSAL OF DEMOLISHED MATERIALS
   a. GENERAL: REMOVE WEEKLY FROM SITE ACCUMULATED DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
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EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
EP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D	DRAINAGE /SANITARY MANHOLE
C	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
UTL	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
ET	OVERHEAD ELE. & TEL
ETE	OVERHEAD ELE TEL & CAB
E	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
Higher Achievement • Together
CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

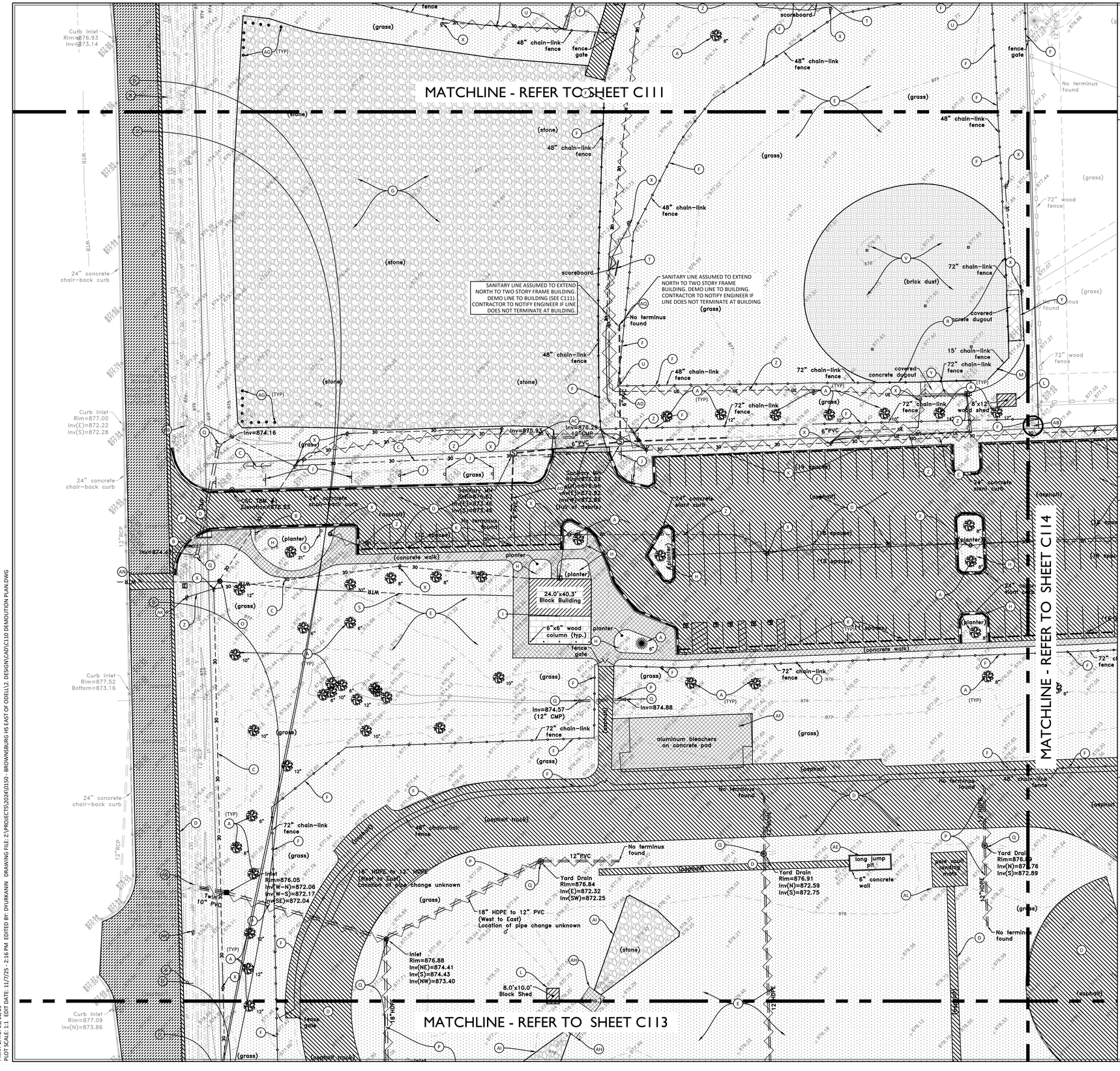
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
DEMOLITION PLAN

CERTIFIED BY:
KELLY ANN CARTER
REGISTERED
No. PE10003677
STATE OF INDIANA
PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C111

PROJECT NUMBER
2024.0150



PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 - 2:16 PM EDITED BY: DYURKANIN DRAWING FILE: Z:\PROJECTS\2024\0150 BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C110 DEMOLITION PLAN.DWG

SCALE: 1"=30'

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LEGEND:

	DESCRIPTION:
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W	WATER VALVE/FIRE HYD/METER
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UNDG. WATER LINE	
UNDG. GAS LINE	
UNDG. TELEPHONE LINE	
UNDG. ELECTRIC LINE	
OHT	OVERHEAD ELE. & TEL
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OHE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation — Higher Achievement • Together

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3831 Keystone Crossing, Indianapolis, IN 64240
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
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SCOPE DRAWINGS:
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REVISIONS:

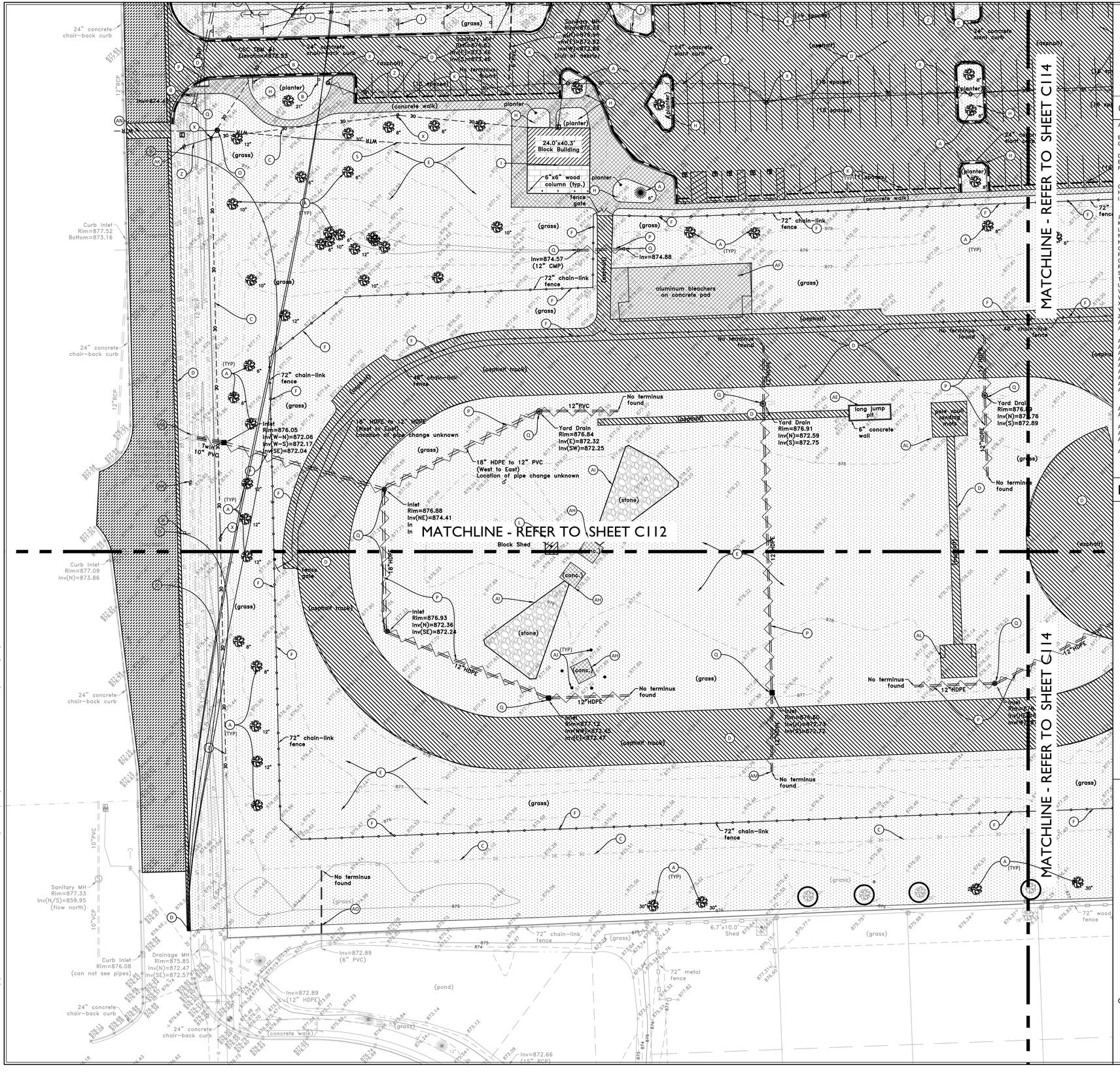
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
DEMOLITION PLAN

CERTIFIED BY:
KELLY ANN CARLING — REGISTERED — No. PE10003864 — STATE OF INDIANA — PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C112

PROJECT NUMBER
2024.0150



PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 - 2:16 PM EDITED BY: DYURKANIN DRAWING FILE: Z:\PROJECTS\2024\0150 BROWNSBURG HS EAST OF ODELL\3 DESIGN\CAD\C110 DEMOLITION PLAN.DWG

0' 30' 60'

SCALE: 1"=30'

KEYNOTES

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2. THE DEMOLITION PLAN IS BASED ON INFORMATION PROVIDED ON THE TOPOGRAPHIC SURVEY. CONTRACTOR IS RESPONSIBLE FOR VISITING THE SITE AND COMPARING THE DOCUMENTS TO THE FIELD CONDITIONS. IF DISCREPANCIES OCCUR, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF RECORD.
3. THE CONTRACTOR SHALL REMOVE AND DISPOSE ALL EXISTING STRUCTURES, STONE, CONCRETE AND PAVEMENT OFF SITE UNLESS NOTED TO REMAIN ON THE CONTRACT DRAWINGS.
4. THE CONTRACTOR SHALL PROTECT AND NOT DESTROY THE PROPERTY CORNER MONUMENTS DURING CONSTRUCTION. IF A MONUMENT IS MOVED OR DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND SURVEYOR OF RECORD.
5. THIS SECTION REQUIRES THE REMOVAL AND DISPOSAL, OFF SITE, OF THE FOLLOWING:
   a. SPECIFIED OBJECTS
   b. VEGETATION WITHIN THE WORK AREA.
6. CONTRACTOR SHALL SUBMIT THE FOLLOWING IN ACCORDANCE WITH CONDITIONS OF THE CONTRACT AND APPROPRIATE SPECIFICATION SECTIONS:
   a. A DETAILED SEQUENCE AND SCHEDULE OF DEMOLITION AND REMOVAL WORK TO BE COMPLETED.
7. JOB CONDITIONS
   a. SALVAGED MATERIALS: ITEMS OF SALVAGEABLE VALUE TO CONTRACTOR MAY BE REMOVED FROM SITE AS WORK PROGRESSES. TRANSPORT SALVAGED ITEMS FROM THE SITE AS THEY ARE REMOVED.
   b. STORAGE OR SALE OF REMOVED ITEMS WILL NOT BE PERMITTED ON SITE.
   c. EXPLOSIVES: USE OF ANY TYPE OF EXPLOSIVES WILL NOT BE PERMITTED.
   d. TRAFFIC: CONDUCT DEMOLITION OPERATIONS AND REMOVAL OF DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS AND OTHER ADJACENT OCCUPIED AND USED FACILITIES.
   e. DO NOT CLOSE OR OBSTRUCT ROADS, STREETS, WALKS OR OTHER OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM THE LOCAL AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS, IF REQUIRE BY GOVERNING AUTHORITIES.
   f. PROTECTIONS: ENSURE SAFE PASSAGE OF PERSONS AROUND AREAS OF DEMOLITION, CONDUCT OPERATIONS TO PREVENT DAMAGE TO ADJACENT BUILDINGS, STRUCTURES, AND OTHER FACILITIES AND INJURY TO PERSONS.
   g. DAMAGES: PROMPTLY REPAIR ANY DAMAGES CAUSED TO ADJACENT FACILITIES BY DEMOLITION OPERATIONS.
   h. UTILITY SERVICES: MAINTAIN EXISTING UTILITIES TO STAY IN SERVICE AND PROTECT AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DISCONNECT, CAP AND REMOVE UTILITY SERVICES PER LOCAL REQUIREMENTS. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTIONS HAVE BEEN COMPLETED TO THE SATISFACTION OF LOCAL UTILITIES. (AS REQUIRED)
8. DEMOLITION
   a. BELOW-GRADE CONSTRUCTION: DEMOLISH FOUNDATION WALLS AND BELOW-GRADE CONSTRUCTION, INCLUDING CONCRETE SLABS TO A DEPTH OF NOT LESS THAN 48 INCHES BELOW LOWEST FOUNDATION LEVEL.
   b. FILLING VOIDS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION. BACK FILL TO BE COMPACTED TO 90% STANDARD PROCTOR OR 98% ON NEW STRUCTURES.
9. DISPOSAL OF DEMOLISHED MATERIALS
   a. GENERAL: REMOVE WEEKLY FROM SITE ACCUMULATED DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM DEMOLITION OPERATIONS.
   b. REMOVAL: TRANSPORT MATERIALS REMOVED FROM DEMOLITION OPERATIONS AND LEGALLY DISPOSE OF OFF-SITE.
10. TEMPORARY TRAFFIC CONTROL DURING DEMOLITION AND CONSTRUCTION SHALL CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
11. CONTRACTOR SHALL LOCATE UTILITIES PRIOR TO CONSTRUCTION. NOTE UTILITIES ALONG ODELL STREET VARY IN DEPTH AND ARE SHALLOW IN LOCATIONS. CONTRACTOR SHALL DAYLIGHT UTILITIES IN AREA OF CUT AND AREAS OF NEW UTILITY CROSSINGS.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
EP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12"	CONIFEROUS TREE & SIZE
36"	DECIDUOUS TREE & SIZE
D	DRAINAGE /SANITARY MANHOLE
C	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHE	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
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317.848.7800 csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
1000 S ODELL ST, BROWNSBURG, IN 46112

95% CONSTRUCTION DOCUMENTS

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

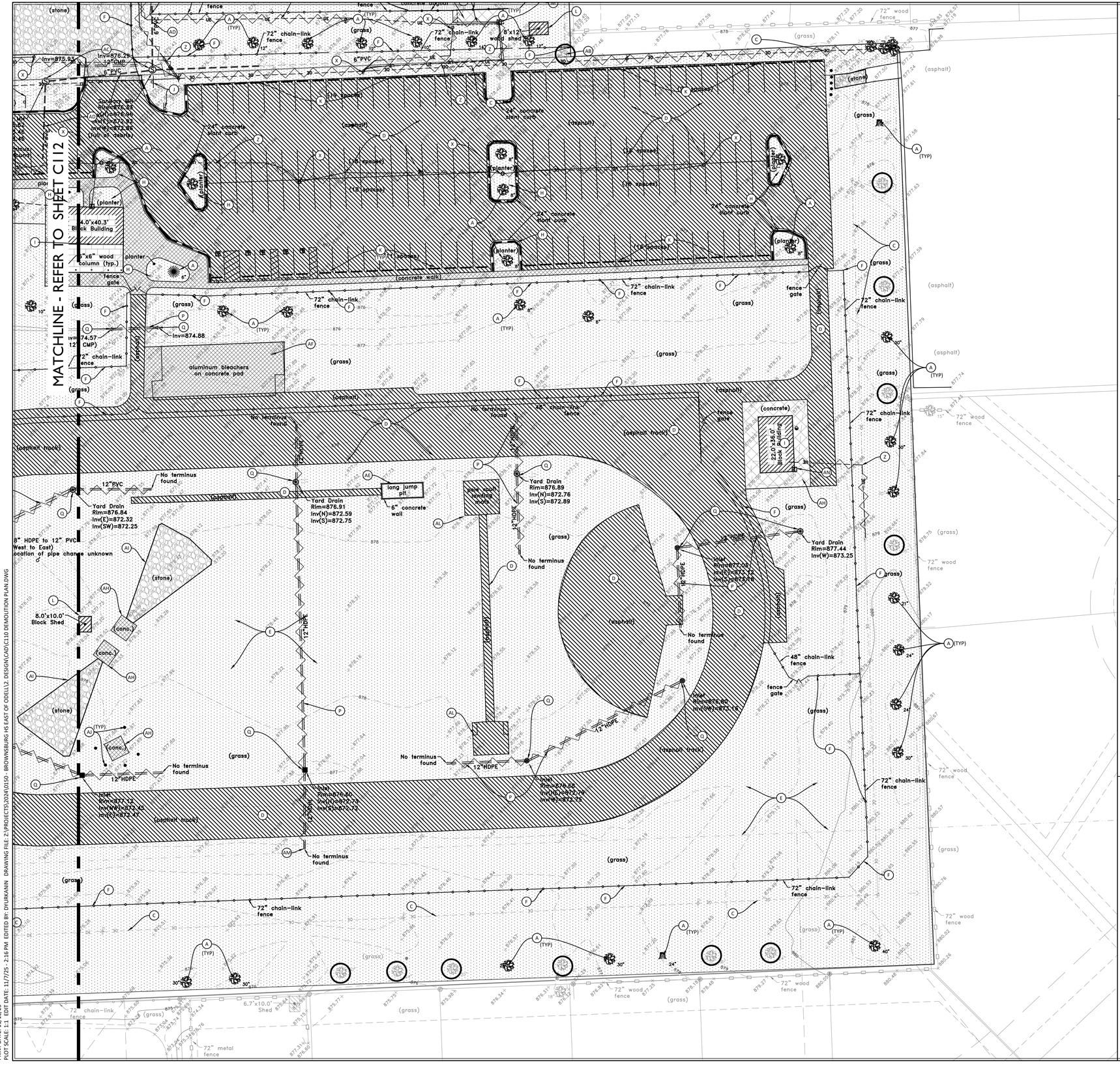
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
DEMOLITION PLAN

CERTIFIED BY:
KELLY ANN CARTER
REGISTERED
No. PE10903661
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C113

PROJECT NUMBER
2024.0150



PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 - 2:16 PM EDITED BY: DYURKANIN DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C\C10 DEMOLITION PLAN.DWG

SCALE: 1"=30'

KEYNOTES

A. REMOVE TREES AND STUMPS IN ITS ENTIRETY. SEE LANDSCAPE PLANS
B. REMOVE AND RESET TRAFFIC SIGN
C. EXISTING DUE UTILITY LINE. LINE TO BE REMOVED OR RELOCATED BY DUKE. COORDINATE TIMING WITH UTILITY
D. SAWCUT AND REMOVE FULL DEPTH ASPHALT
E. REMOVE VEGETATION
F. REMOVE FENCE, GATES, POSTS AND FOUNDATIONS. REMOVE BASEBALL AND SOFTBALL FENCE IN ITS ENTIRETY. REMOVE TRACK AND FIELD FENCE IN ITS ENTIRETY
G. REMOVE STONE
H. REMOVE PLANTERS
I. REMOVE BUILDING AND FOUNDATIONS IN ITS ENTIRETY. COORDINATE WITH OWNER ON DISCONNECT OF UTILITIES PRIOR TO DEMOLITION
J. REMOVE SIGNS
K. REMOVE WHEEL STOP, PROVIDE TO OWNER
L. REMOVE PAVILION/SHED
M. REMOVE BACKSTOP
N. REMOVE GAS METER/ SERVICE LINES, PER CENTERPOINT STANDARD
O. REMOVE WATER METERS
P. REMOVE STORM PIPE
Q. REMOVE STORM STRUCTURE
R. REMOVE FOUL BALL NETTING, POSTS AND FOUNDATIONS
S. REMOVE WATER PIPE
T. REMOVE SCORE BOARD
U. REMOVE FOUL POLE AND FOUNDATION
V. REMOVE SOFTBALL INFIELD IN ITS ENTIRETY
W. REMOVE BATTING CAGES, NETTING AND FOUNDATIONS IN ENTIRETY
X. REMOVE LIGHT POLES IN THEIR ENTIRETY
Y. REMOVE DUGOUT IN ITS ENTIRETY
Z. REMOVE ELECTRIC/ COMMUNICATION LINE. SEE MEP PLANS
AA. REMOVE WOODEN BRIDGE
AB. ADJUST CASTING TO GRADE TO MEET PROPOSED GRADE. SEE UTILITY & GRADING PLAN
AC. REMOVE SANITARY MANHOLE
AD. REMOVE SANITARY PIPE
AE. REMOVE FIELD EVENT PIT IN ITS ENTIRETY
AF. REMOVE BLEACHERS AND CONCRETE PAD
AG. REMOVE WOODEN BOLLARDS
AH. REMOVE CONCRETE
AI. REMOVE THROWING AREA IN ITS ENTIRETY
AJ. REMOVE METAL POLE
AK. REMOVE AND RELOCATE UTILITY POLE AND GUY WIRES. COORDINATE RELOCATION WITH UTILITY/TOWN OF BROWNSBURG PRIOR TO CONSTRUCTION
AL. REMOVE POLE VAULT EQUIPMENT. PROVIDE TO OWNER.
AM. DETERMINE WHERE LINE EXTENDS TO CONFIRM NO FLOW FROM OFFSITE INTO LINE
AN. CAP WATER SERVICE LINE AT MAIN
AO. CUT AND CAP LINE, CONFIRM IF NEEDED BEFORE REMOVAL
AP. DETERMINE SIZE OF WATER LINE AND REPORT TO ENGINEER AND G.C. IF LESS THAN 8". REMOVE TO MAIN
AQ. SANITARY LATERAL ASSUMED TO EXIT SOUTH OF BUILDING TO STRUCTURE NORTH OF TRACK PARKING LOT. REMOVE LATERAL IN ITS ENTIRETY.

DEMOLITION LEGEND

- SAWCUT AND REMOVE CONCRETE CURB & GUTTER
- SAWCUT PAVEMENT
- REMOVE UTILITY
- SAWCUT AND REMOVE ASPHALT
- SAWCUT AND REMOVE CONCRETE
- REMOVE VEGETATION AS NECESSARY FOR CONSTRUCTION
- REMOVE STONE
- REMOVE BUILDING/ STRUCTURE AND FOUNDATION IN ITS ENTIRETY
- REMOVE DIRT
- 1½" MILL AND RESURFACE
- OBJECT TO BE PROTECTED
- PROJECT AREA

NOTES:
INTENT IS TO REMOVE ALL ELEMENTS WITHIN THE EXISTING BALLFIELDS AND TRACK AND FIELD TO PREPARE FOR PROPOSED PROJECT.

Indiana 811
Know what's below. Call before you dig.

PER INDIANA STATE LAW IS-69-1991. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

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WV	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
GM GV	GAS METER / VALVE
CO	CLEAN-OUT
EB ET	ELEC. METER BOX/TRANSFORMER
EP TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC ACU	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
SI CI	SQUARE / ROUND / CURB INLET
TP LP	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
C T	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
UT	UNDG. TELEPHONE LINE
UE	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHTC	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
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5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveriduisgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

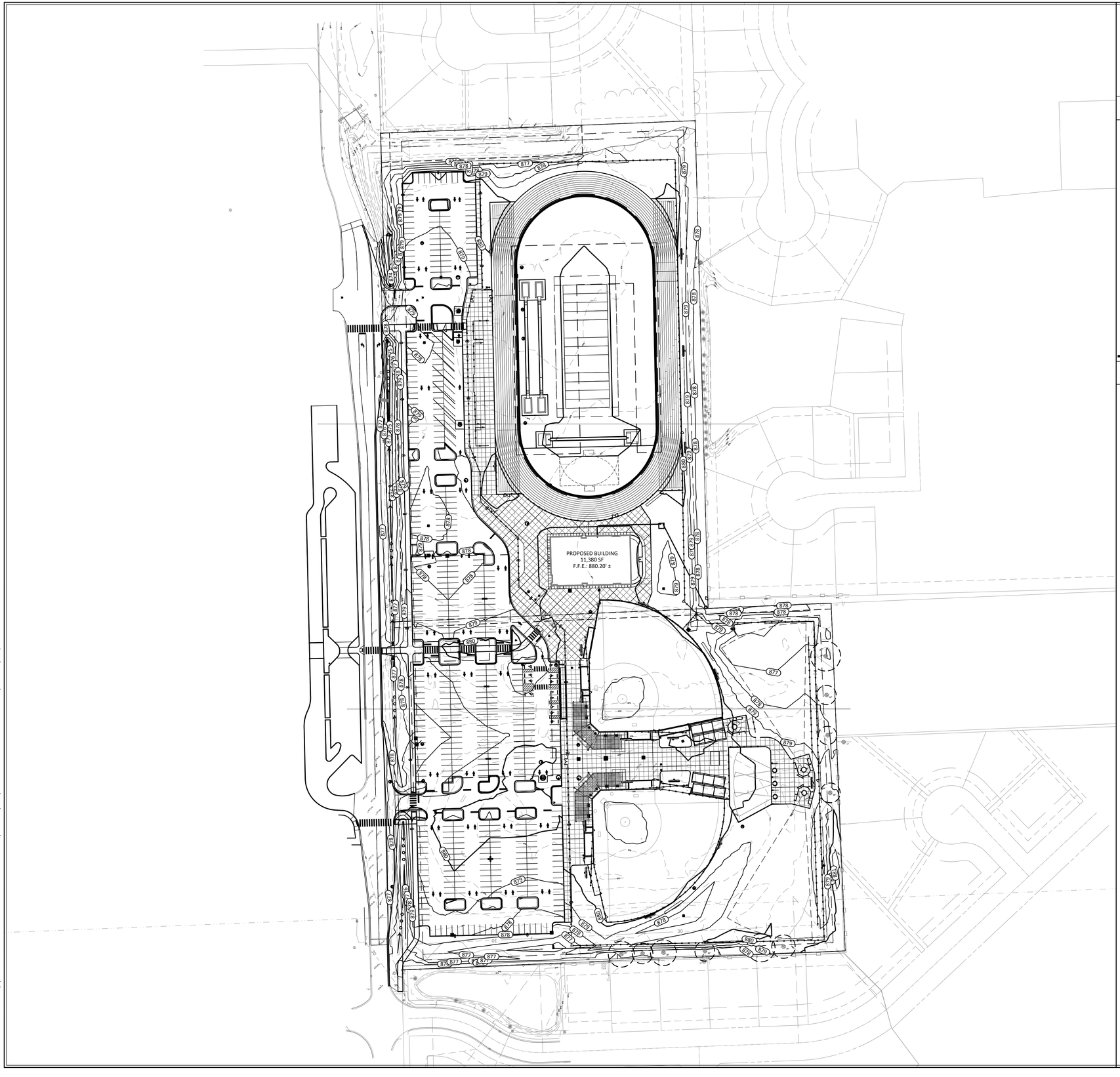
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
DEMOLITION PLAN

CERTIFIED BY:
KELLY ANN CASSIDY
REGISTERED
No. PE10800015
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C114

PROJECT NUMBER
2024.0150



0' 80' 160'

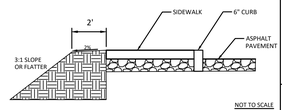
SCALE: 1"=80'

GRADING LEGEND

ME	MATCH EXISTING
HP	HIGH POINT
LP	LOW POINT
BC	BOTTOM OF CURB
TC	TOP OF CURB
TR	TOP OF RIM/CASTING
FL	FLOWLINE
000	CONTOURS
	FLOW LINE
TC 000.00 BC 000.00	CURB ELEVATIONS
000.00	SPOT ELEVATIONS
FC 000.00	FLUSH CURB
000.00 ME	MATCH EXISTING ELEVATION. CONTRACTOR TO VERIFY ELEVATION SHOWN MATCHES EXISTING TIE-IN ELEVATION. NOTIFY ENGINEER IF VARIES BY ½" OR MORE.
	FLOW ARROW
	PROJECT AREA

KEYNOTES

A. PROVIDE 2' GREEN SPACE AT 2% PRIOR TO SLOPING DOWN TO DITCH



NOT TO SCALE

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
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BENCHMARK DATA

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BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO STATE AND LOCAL REGULATIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (VERTICAL AND HORIZONTAL) IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED BY THE RESPONSIBLE PARTY.
4. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START. TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES WHEN EXCAVATING IS AROUND OR OVER EXISTING UTILITIES. THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
6. TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH SELECT GRANULAR MATERIAL IF UNDER OR WITHIN 5 FEET OF PAVEMENT.
7. AFTER STRIPPING TOPSOIL MATERIAL, THE CONTRACTOR SHALL PROOF ROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUB-DRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
8. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR SHALL TEST FOR, AND CORRECT ANY DEFICIENT CONDITIONS.
9. ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
10. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
11. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO STANDARD INDOT SPECIFICATIONS.
12. INVERTS AT PIPE OUTLETS ARE GIVEN AT END OF PIPE END SECTION.
13. CONTRACTOR SHALL VERIFY ELEVATION OF ALL EXISTING STORM SEWERS BEFORE INSTALLATION OF THE PROPOSED STORM SEWER. IF A CONDITION IS DISCOVERED THAT PREVENTS INSTALLATIONS PER THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
14. CONTRACTOR SHALL PERFORM GRADING AND COMPACTION AND LIME STABILIZATION OF PAVEMENT SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.
15. STRUCTURES RECEIVING SUBSURFACE DRAINS SHALL HAVE BOTH PORTS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.
16. ALL EXISTING UTILITY CASTINGS, LIDS, AND ACCESS SHALL BE SET TO FINAL GRADE UNLESS OTHERWISE DIRECTED.
17. ANY OFFSITE BORROW AND/OR WASTE SITES THAT ARE NEEDED SHALL BE PERMITTED AS PART OF THIS PERMIT OR BE PART OF AN EXISTING PERMIT.
18. ASPHALT GRADES ARE TO HAVE MINIMUM 1% SLOPE IN DIRECTION OF DRAINAGE FLOW.
19. CONCRETE GRADES ARE TO HAVE MINIMUM 0.5% SLOPE IN DIRECTION OF DRAINAGE FLOW.

Brownsburg Community School Corporation
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8831 Keystone Crossing, Indianapolis, IN 64240
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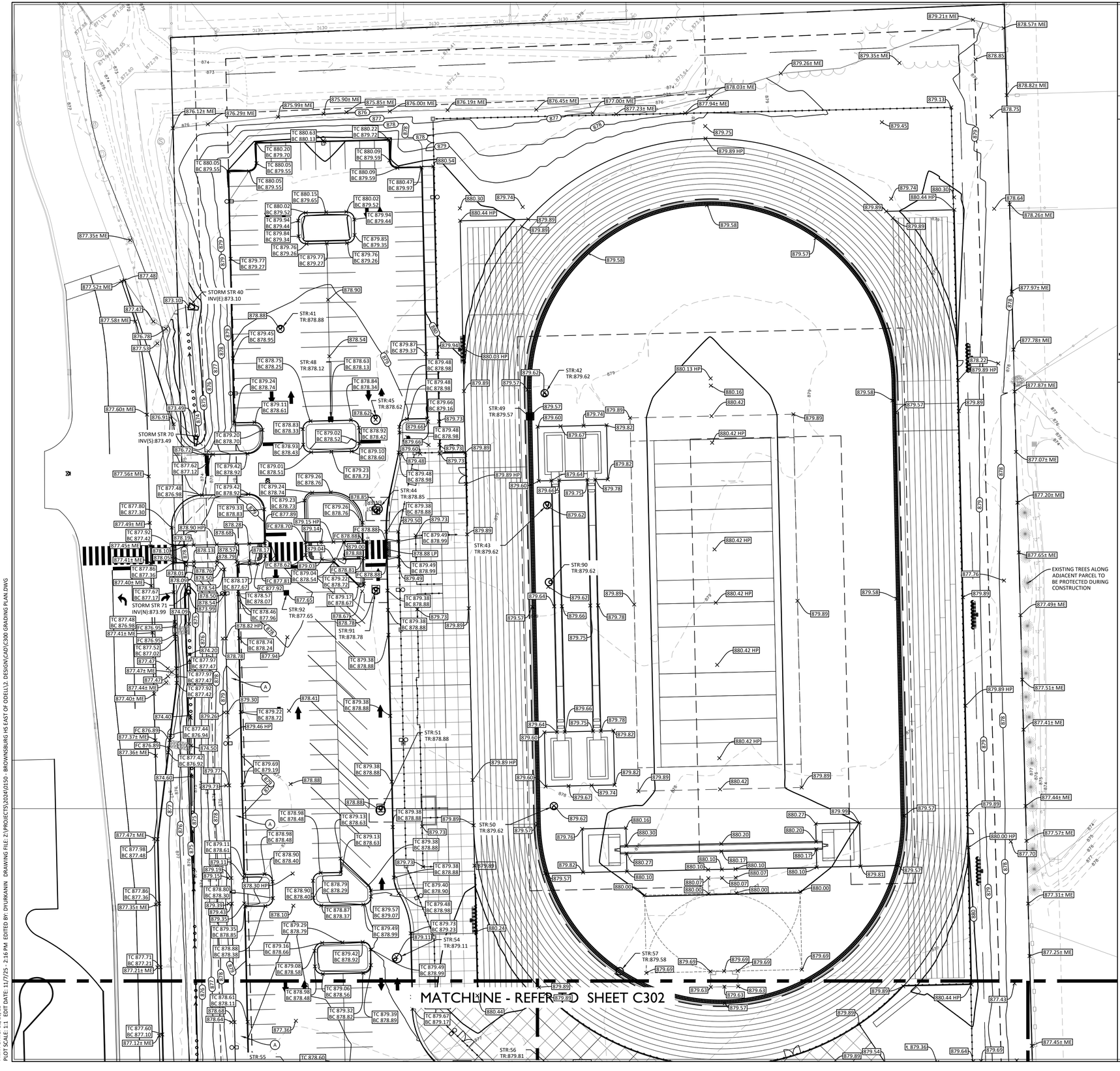
DRAWING TITLE:
OVERALL GRADING PLAN

CERTIFIED BY:
KELLY ANN CANTER
REGISTERED
NO. PE10800018
STATE OF
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APPROVED
NOT FOR CONSTRUCTION
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DRAWING NUMBER
C300

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 2:16 PM EDITED BY: DYURKANIN DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C300 GRADING PLAN.DWG



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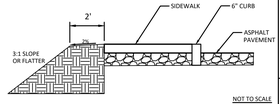
SCALE: 1"=30'

GRADING LEGEND

ME	MATCH EXISTING
HP	HIGH POINT
LP	LOW POINT
BC	BOTTOM OF CURB
TC	TOP OF CURB
TR	TOP OF RIM/CASTING
FL	FLOWLINE
000	CONTOURS
	FLOW LINE
TC 000.00 / BC 000.00	CURB ELEVATIONS
000.00	SPOT ELEVATIONS
FC 000.00	FLUSH CURB
000.00 ME	MATCH EXISTING ELEVATION. CONTRACTOR TO VERIFY ELEVATION SHOWN MATCHES EXISTING TIE-IN ELEVATION. NOTIFY ENGINEER IF VARIES BY ¼" OR MORE.
	FLOW ARROW
	PROJECT AREA

○ KEYNOTES

A. PROVIDE 2' GREEN SPACE AT 2% PRIOR TO SLOPING DOWN TO DITCH



NOT TO SCALE

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
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R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
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12" / 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
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W	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OH	OVERHEAD ELE. & TEL
OH	OVERHEAD ELE TEL & CAB
OH	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO STATE AND LOCAL REGULATIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (VERTICAL AND HORIZONTAL) IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED BY THE RESPONSIBLE PARTY.
4. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START. TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES WHEN EXCAVATING IS AROUND OR OVER EXISTING UTILITIES. THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
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11. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO STANDARD INDOT SPECIFICATIONS.
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Brownsburg Community School Corporation
Higher Achievement • Together

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8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

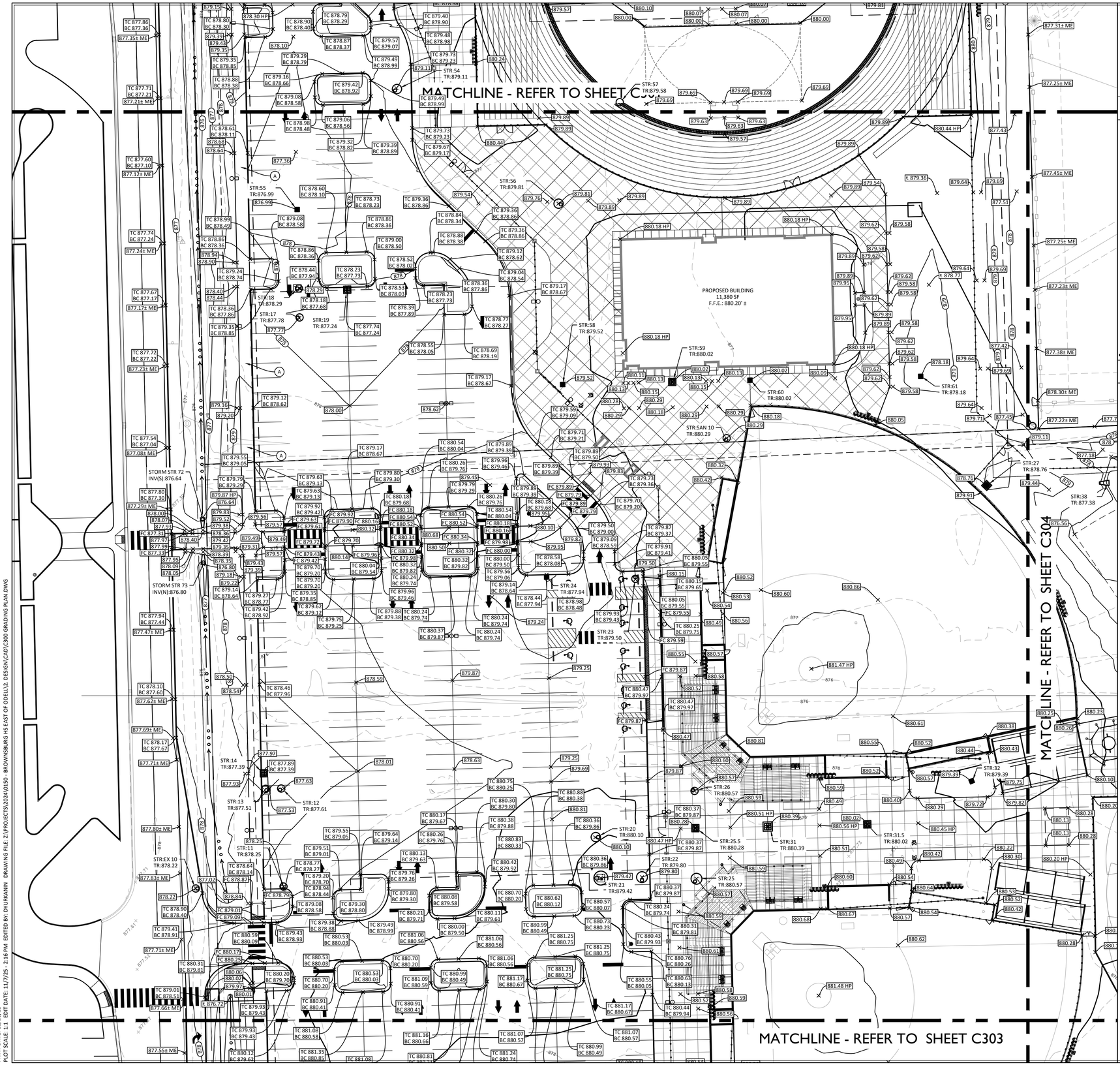
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
GRADING PLAN

CERTIFIED BY:
KELLY ANN CAMPBELL
REGISTERED
No. PE10300681
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C301

PROJECT NUMBER
2024.0150



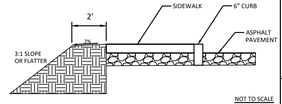
SCALE: 1"=30'

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95% CONSTRUCTION DOCUMENTS
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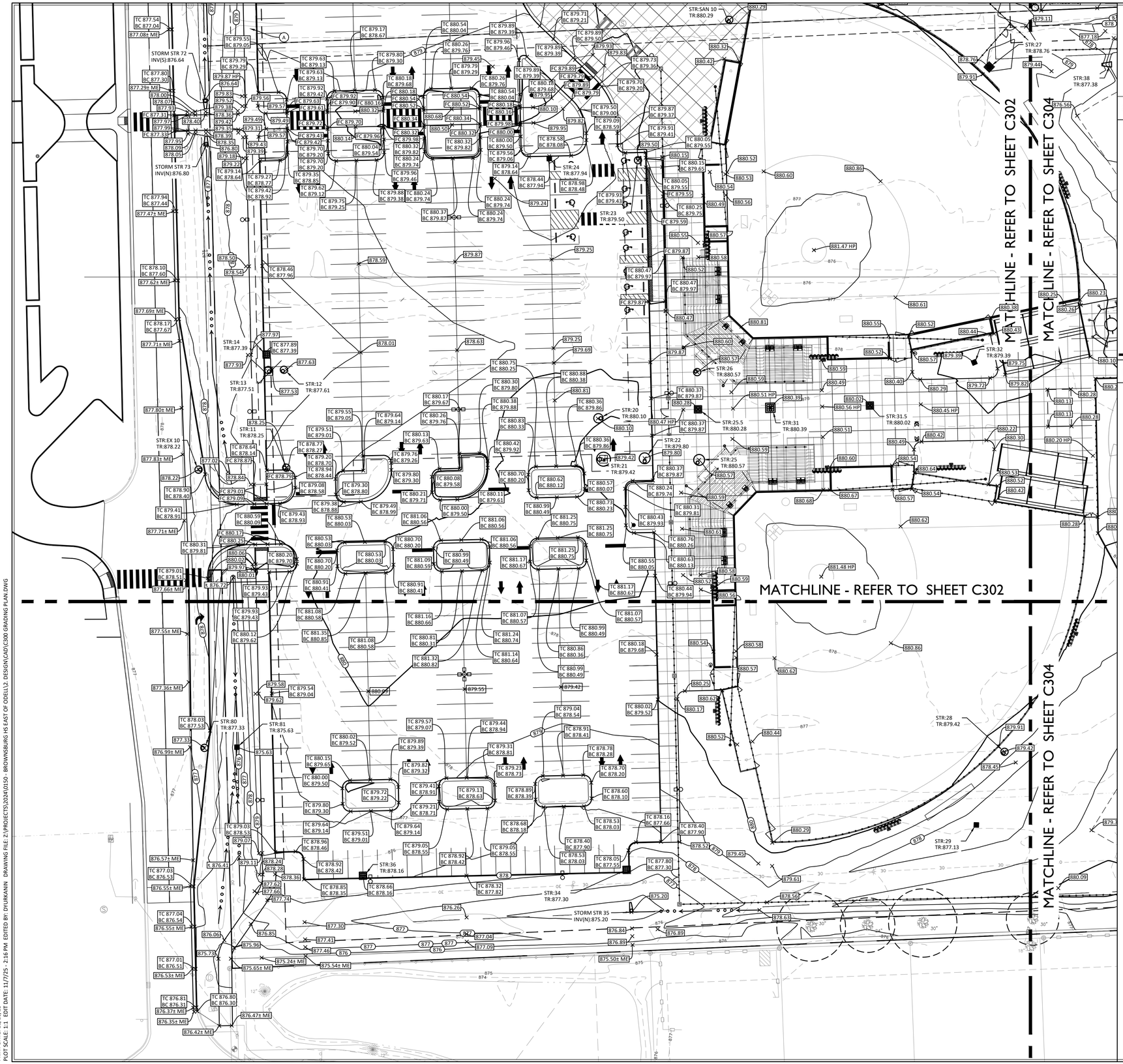
DRAWING TITLE:
GRADING PLAN

CERTIFIED BY:
KELLY ANN CAMPBELL
REGISTERED
No. PE10800382
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C302

PROJECT NUMBER
2024.0150

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SCALE: 1"=30'

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PROJECT:
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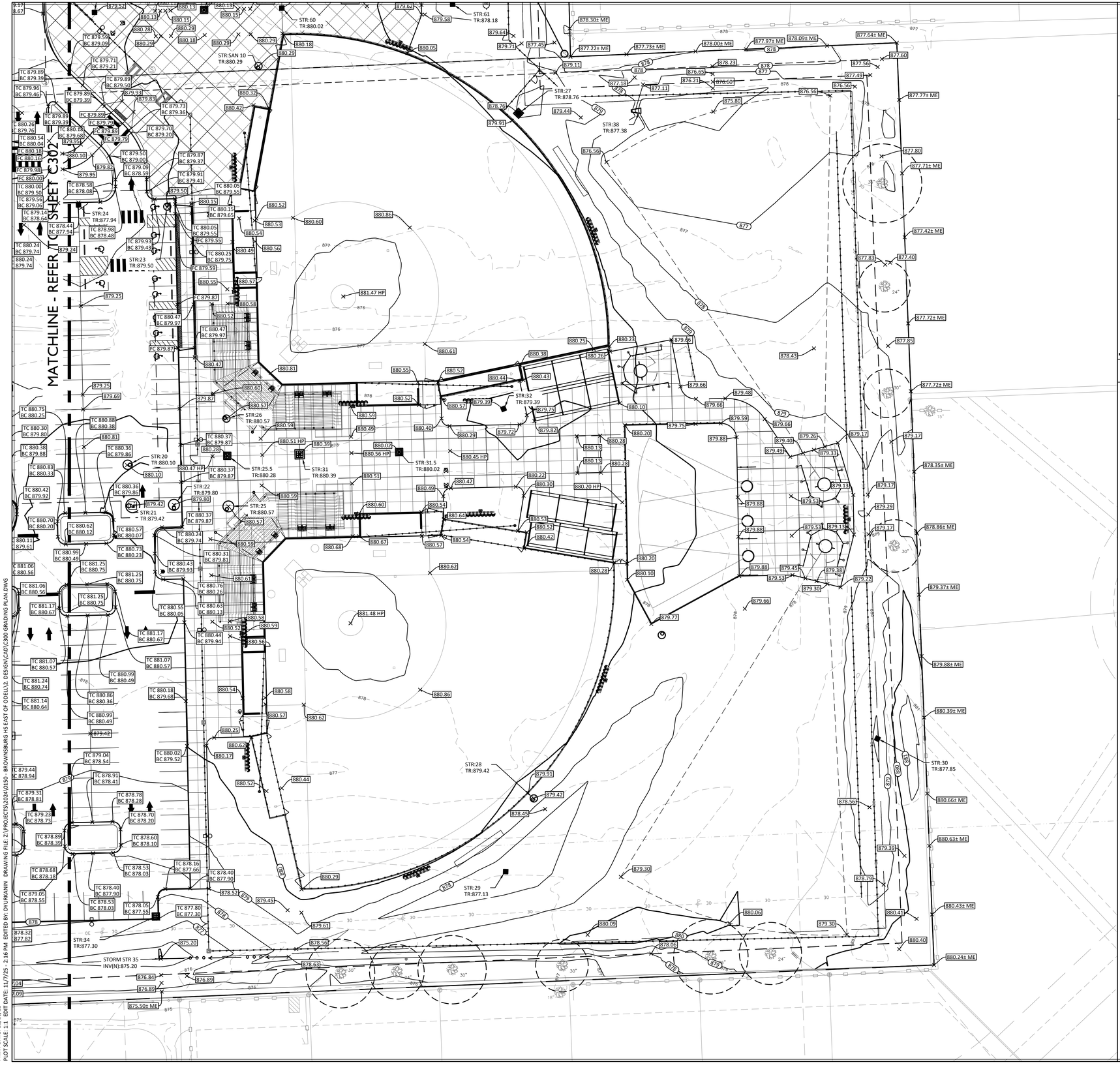
DRAWING TITLE:
GRADING PLAN

CERTIFIED BY:
KELLY ANN CARPENTER
REGISTERED
No. PE10800001
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C303

PROJECT NUMBER
2024.0150

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MATCHLINE - REFER TO SHEET C302
STR:60 TR:880.02
STR:61 TR:878.18
STR:SAN 10 TR:880.29
STR:27 TR:878.76
STR:38 TR:877.38
STR:24 TR:877.94
STR:23 TR:879.50
881.47 HP
881.48 HP
STR:32 TR:879.39
STR:26 TR:880.57
STR:20 TR:880.10
STR:31 TR:880.39
STR:31.5 TR:880.02
STR:25.5 TR:880.28
STR:22 TR:879.80
STR:25 TR:880.57
STR:21 TR:879.42
STR:28 TR:879.42
STR:29 TR:877.13
STR:30 TR:877.85
STR:34 TR:877.30
STORM STR 35
INV(IN):875.20
880.56 HP
880.45 HP
880.20 HP
879.42
878.45
879.91
880.44
880.62
880.06
880.09
878.63
875.50± ME
875.20
876.84
876.89
878.56
879.61
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880.57
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880.64
880.53
880.42
880.52
880.58
880.86
880.62
880.17
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880.28
880.10
880.20
879.77
879.66
879.30
879.22
879.37± ME
879.88± ME
880.39± ME
880.66± ME
880.63± ME
880.43± ME
880.24± ME
880.41
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878.79
878.56
878.43
877.64± ME
877.60
877.77± ME
877.80
877.71± ME
877.42± ME
877.40
877.72± ME
877.85
878.35± ME
878.86± ME
877.56
877.49
876.56
878.09± ME
878.00± ME
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876.84
876.89
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879.79
879.45
879.61

EMERGENCY FLOOD ROUTE IS FLOWING EAST TO WEST AS IT PONDS TO OVERTOP INTERNAL SITE HIGH POINTS BUT REMAIN LOWER THAN THE FFE OF THE PROPOSED BUILDING. THE FLOOD ROUTE WILL CONTINUE NORTH AS IT DOES IN THE EIXSITNG CONDITION AND JOIN THE EMERGENCY FLOOD ROUTE OF THE MARY W WILSON LEGAL DRAIN.

STORM STR 40
INV(E):873.10

STR:41
TR:878.88

STR:48
TR:878.12

STR:45
TR:878.96

STORM STR 70
INV(S):873.49

STR:44
TR:878.85

STR:43
TR:879.62

STR:49
TR:879.57

STR:42
TR:879.62

STR:90
TR:879.62

STR:51
TR:878.88

STR:50
TR:879.62

STORM STR 71
INV(N):873.99

STR:92
TR:877.65

STR:91
TR:878.78

STR:54
TR:879.11

STR:57
TR:879.58

STR:55
TR:876.99

STR:56
TR:879.81

STR:18
TR:878.29

STR:17
TR:877.78

STR:19
TR:877.24

STR:58
TR:879.52

STR:59
TR:880.02

STR:60
TR:880.02

STR:SAN 10
TR:880.29

STORM STR 61
INV(W):875.90

STR:27
TR:878.76

STORM STR 38
INV(W):875.17

STORM STR 72
INV(S):876.64

STORM STR 73
INV(N):876.80

STR:24
TR:877.94

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:56 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C320 EMERGENCY FLOOD ROUTE PLAN.DWG

0' 40' 80'
SCALE: 1"=40'

GRADING LEGEND

- CONTOURS (000)
- SPOT ELEVATIONS (000.00)
- FLOOD AREA
- FLOW ARROWS

THE DETENTION SYSTEMS HAVE BEEN SIZED FOR 100-YEAR STORM EVENT. HOWEVER, IN TRUE EMERGENCY CONDITION, ALL INLETS ARE PRESUMED CLOGGED. FLOOD ROUTE IS SHOWN IN EMERGENCY CONDITION.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE - SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
W	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OH	OVERHEAD ELE. & TEL
OHTC	OVERHEAD ELE TEL & CAB
OHE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO STATE AND LOCAL REGULATIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (VERTICAL AND HORIZONTAL) IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED BY THE RESPONSIBLE PARTY.
4. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START. TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES WHEN EXCAVATING IS AROUND OR OVER EXISTING UTILITIES. THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
6. TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH SELECT GRANULAR MATERIAL IF UNDER OR WITHIN 5 FEET OF PAVEMENT.
7. AFTER STRIPPING TOPSOIL MATERIAL, THE CONTRACTOR SHALL PROOF ROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUB-DRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
8. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR SHALL TEST FOR, AND CORRECT ANY DEFICIENT CONDITIONS.
9. ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
10. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
11. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO STANDARD INDOT SPECIFICATIONS.
12. INVERTS AT PIPE OUTLETS ARE GIVEN AT END OF PIPE END SECTION.
13. CONTRACTOR SHALL VERIFY ELEVATION OF ALL EXISTING STORM SEWERS BEFORE INSTALLATION OF THE PROPOSED STORM SEWER. IF A CONDITION IS DISCOVERED THAT PREVENTS INSTALLATIONS PER THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
14. CONTRACTOR SHALL PERFORM GRADING AND COMPACTION AND LIME STABILIZATION OF PAVEMENT SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.
15. STRUCTURES RECEIVING SUBSURFACE DRAINS SHALL HAVE BOTH PORTS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.
16. ALL EXISTING UTILITY CASTINGS, LIDS, AND ACCESS SHALL BE SET TO FINAL GRADE UNLESS OTHERWISE DIRECTED.
17. ANY OFFSITE BORROW AND/OR WASTE SITES THAT ARE NEEDED SHALL BE PERMITTED AS PART OF THIS PERMIT OR BE PART OF AN EXISTING PERMIT.

Brownsburg Community School Corporation
Higher Achievement • Together

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8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project and establish the design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

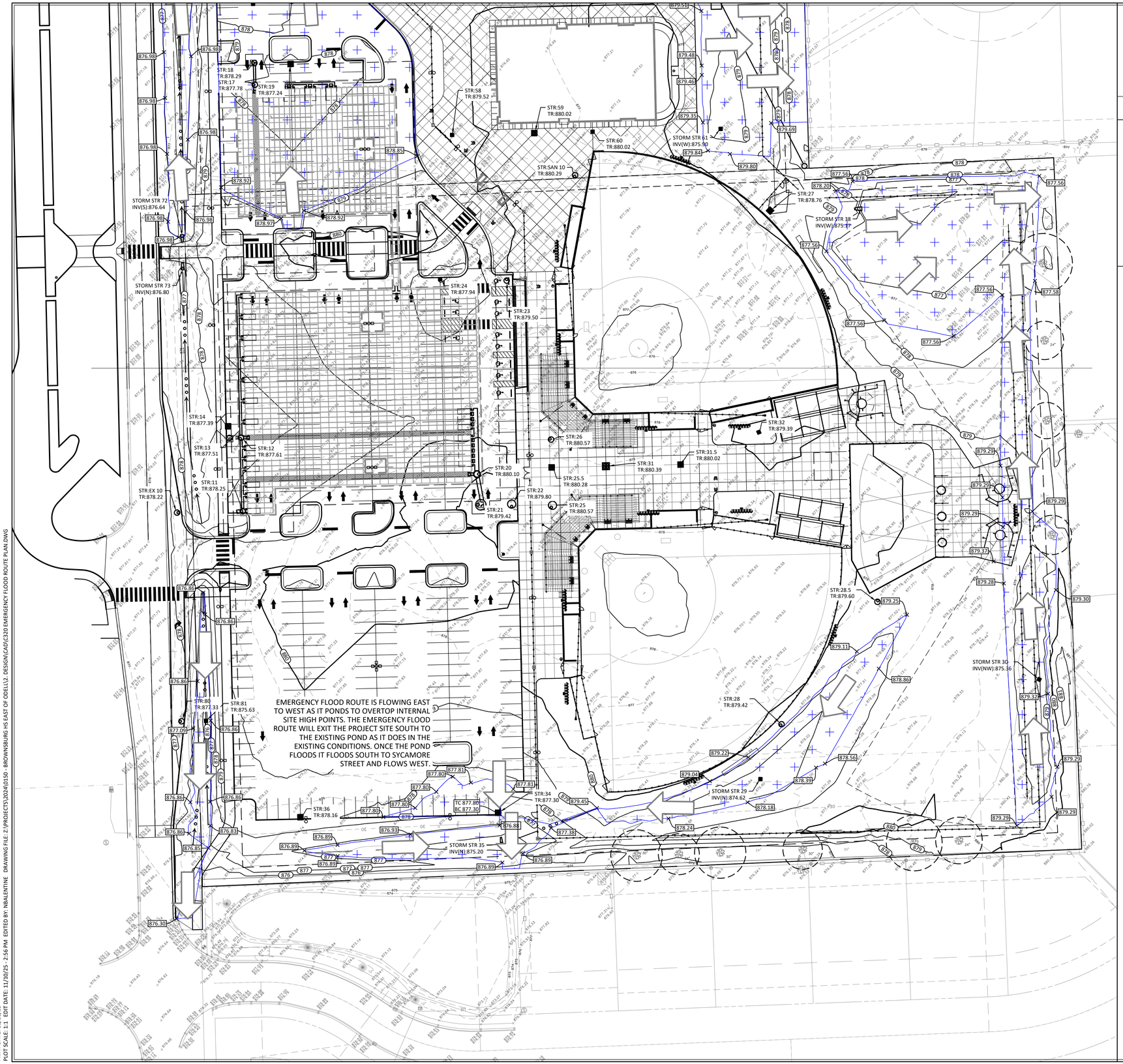
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
EMERGENCY FLOOD ROUTE PLAN

CERTIFIED BY:
KELLY ANN CARLING
REGISTERED
No. PE10903
STATE OF INDIANA
PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C320

PROJECT NUMBER
2024.0150



GRADING LEGEND

- CONTOURS (000)
- SPOT ELEVATIONS (000.00)
- FLOOD AREA
- FLOW ARROWS

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BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

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EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE - SQUARE / ROUND
12" / 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
W	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHE	OVERHEAD ELE. & TEL
OHE	OVERHEAD ELE TEL & CAB
OHE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-denality polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
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8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required to fulfill the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

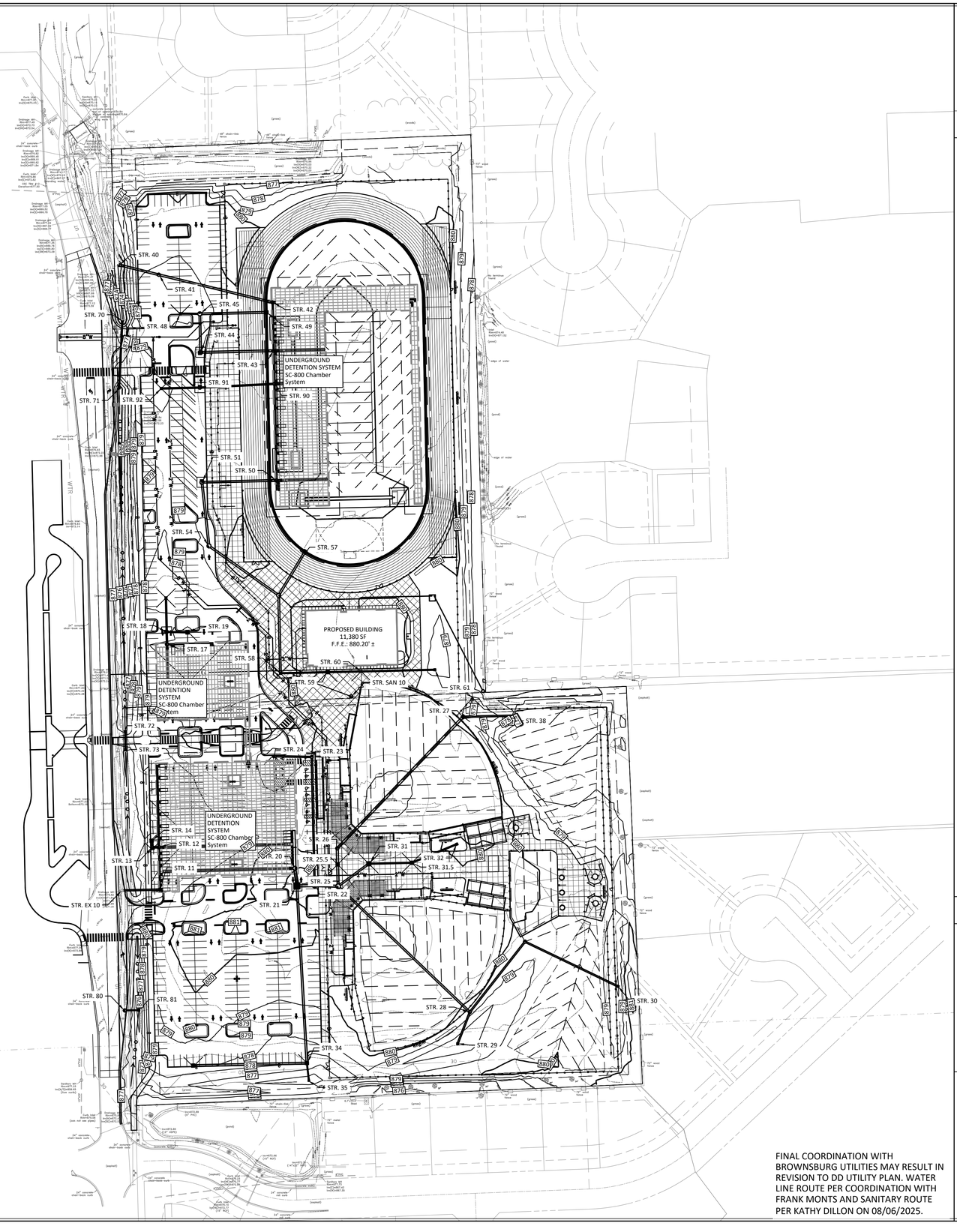
DRAWING TITLE:
EMERGENCY FLOOD ROUTE PLAN

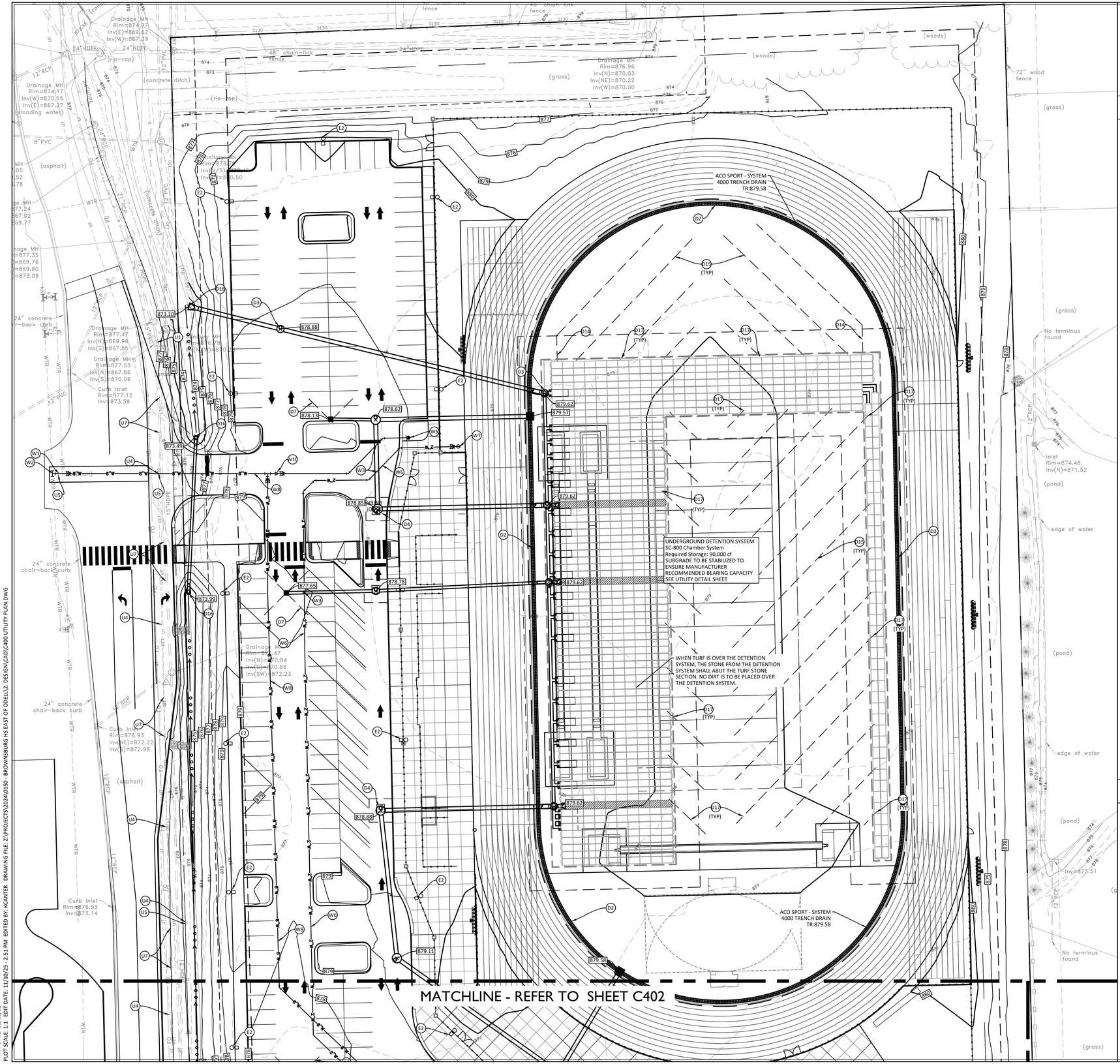
CERTIFIED BY:
KELLY ANN CARPENTER
REGISTERED
No. 21300006
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C321

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:55 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C320 EMERGENCY FLOOD ROUTE PLAN.DWG


UNDERGROUND DETENTION SYSTEM SC-800 Chamber System
PROPOSED BUILDING 11,380 SF F.F.E.: 880.20' ±
UNDERGROUND DETENTION SYSTEM SC-800 Chamber System
UNDERGROUND DETENTION SYSTEM SC-800 Chamber System
STR. 40
STR. 41
STR. 45
STR. 42
STR. 49
STR. 70
STR. 48
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STR. 43
STR. 91
STR. 90
STR. 71
STR. 92
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STR. 58
STR. 60
STR. 59
STR. SAN 10
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STR. 14
STR. 12
STR. 26
STR. 31
STR. 13
STR. 11
STR. 20
STR. 25.5
STR. 32
STR. 31.5
STR. 25
STR. 22
STR. EX 10
STR. 21
STR. 80
STR. 81
STR. 28
STR. 30
STR. 34
STR. 29
STR. 35
W
S
D
W
S
W
S
W
S



SCALE: 1"=30'

○ KEYNOTES

DRAINAGE
D1. STORM CLEANOUT TYPE 1
D2. ACO TRENCH DRAIN, SYSTEM 4000
D3. OUTLET CONTROL STRUCTURE
D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
D8. CONNECT SUBSURFACE DRAIN(SSD)
D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
D10. MANHOLE
D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
D13. ROOF DRAIN CONNECTION AT STRUCTURE
D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
D15. FLAT PANEL DRAIN, 12" X 1"
D16. END SECTION TRASH RACK AND PERMANENT TURF REINFORCEMENT MAT, SEE DETAIL
D17. 12"X1" FLAT PANEL DRAINS. OUTLET/CONNECTION TO DETENTION SYSTEM
D18. BACKFLOW PREVENTER
D19. 2" PERFORATED UNDERDRAINS AT MIN. 2.0% SLOPE. MINIMUM 2' OF COVER FROM SURFACE. CONNECT TO 12" UNDERDRAIN COLLECTOR WITH WYE OR TEE CONNECTION.
D20. 12" PERFORATED COLLECTED DRAIN COLLECTOR AT MINIMUM 0.50% SLOPE. CONNECT TO SOLID 12" HDPE COLLECTOR PIPE WITH WYE OR TEE CONNECTION.
D21. 12" SOLID HDPE COLLECTOR PIPE AT MINIMUM 0.5% SLOPE.

WATER
W1. CONTRACTOR TO LOCATE WATER MAIN AND CONFIRM SIZE AND DEPTH PRIOR TO CONSTRUCTION.
W2. TAPPING SLEEVE AND VALVE ON EXISTING WATER LINE PER TOWN OF BROWNSBURG UTILITY. CONNECTION SHALL BE AT LEAST 5' FROM PREVIOUS CONNECTION PER WATER UTILITY.
W3. PROVIDE 18" MIN. VERTICAL SEPARATION
W4. PROVIDE 10' MIN. SEPARATION FROM OUTSIDE SEWER PIPE TO OUTSIDE WATERLINE PIPE
W5. FIRE HYDRANT ASSEMBLY PER TOWN OF BROWNSBURG PAINTED RED WITH YELLOW BONNET
W6. 2" ENDURE BLUE POLY DOMESTIC WATER LINE
W7. WATER SPIGOT
W8. 8" DUCTILE IRON DOMESTIC WATER LINE
W9. 6" DUCTILE IRON FIRE HYDRANT CONNECTION LINE
W10. REDUCER FOR 8" TO 6" WATER LINE
W11. REDUCE FOR 6" TO 3" WATER LINE

SANITARY
S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

ELECTRIC
E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
E2. LIGHT POLE. SEE SIGHT ELECTRICAL PLAN

GAS
G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
G2. GAS SERVICE CONNECTION, SEE MAP PLANS FOR CONTINUATION.
G3. GAS METER. COORDINATE WITH GAS UTILITY FOR PLACEMENT AND TIMING

UTILITY
U1. ADJUST CASTING/UTILITY TO GRADE. IF CANNOT BE ADJUSTED REPLACE STRUCTURE/UTILITY TO MEET NEW GRADE.
U2. LOCATE UTILITY PRIOR TO PLACEMENT OF STRUCTURE. SUPPORT, PROTECT OR RELOCATE FOR NEW STRUCTURE.
U3. REPLACE STRUCTURE TO MEET GRADE
U4. EXISTING UTILITY LINE IS TO BE LOWERED IF STANDARD MINIMUM COVER IS NOT MAINTAINED WITH PROPOSED GRADING
U5. CONTRACTOR IS TO PERFORM INVESTIGATIVE HYDROVAC AT UTILITY CROSSINGS OR AREAS OF CUT BEFORE WORK BEGINS. CONCTRACTOR IS TO NOTIFY ENGINEER IS UTILITY INFORMATION DIFFERS FROM PLANS.
U6. ADD CONCRETE COLLAR TO EXISTING STRUCTURE
U7. PROVIDE APPROPRIATE BACKFILL OVER EXISTING UTILITIES UNDER OR WITHIN 5' OF NEW PAVEMENT
U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

SS	SANITARY SEWER LINE
G	GAS LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
RD	ROOF DRAIN
W	WATER LINE
	VALVE
	WATER METER PIT
	HYDRANT
	WATER SPIGOT
	CLEANOUT (STORM & SANITARY)

Indiana 811 Know what's below. Call before you dig.

PER INDIANA STATE LAW IS-69-1991, IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO THE PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. EACH SUBCONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
2. ALL MATERIALS AND CONSTRUCTION FOR SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
3. ALL MATERIALS AND CONSTRUCTION FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
4. ALL MATERIALS AND CONSTRUCTION FOR WATER MAINS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
5. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVED AREAS TO BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL.
6. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
7. ANY WATER MAINS TO HAVE 54" MINIMUM COVER OVER TOP OF PIPE.
8. WATER SERVICE LINE TO THE BUILDING SHALL HAVE A SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION OUTSIDE OF THE BUILDING. (APPLIES TO COMMERCIAL ONLY)
9. STERILIZATION OF WATER MAIN SHALL BE IN ACCORDANCE WITH STATE BOARD OF HEALTH.
10. ALL UTILITY CROSSING AND CLEARANCES TO BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
11. IF EXISTING FIELD TILES ARE ENCOUNTERED DURING CONSTRUCTION THEY ARE TO BE TIED INTO THE PROPOSED STORM SEWER SYSTEM.
12. ALL SEWER PIPES UNDER OR WITHIN 5' OF PAVEMENT SHALL BE BACKFILLED WITH GRANULAR BACKFILL. FOR BACKFILL PURPOSES, PAVED SHOULDERS, CURBS, GUTTER, AND SIDE WALKS ARE CONSIDER PAVEMENT. FOR PIPES WITHIN INDIANA STATE RIGHTS-OF-WAY, BACKFILL SHALL BE PROVIDED PER INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS. LOCAL JURISDICTION REQUIREMENTS MAY DICTATE MORE STRINGENT REQUIREMENTS AT TIME OF CONSTRUCTION AND INSPECTION.
13. CONTRACTOR TO PROVIDE SURVEYED AS-BUILT/RECORD DRAWINGS OF ALL STORM SEWERS AND SANITARY SEWER MAINS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
14. CONTRACTOR SHALL BE FAMILIAR WITH TOWN OF BROWNSBURG INDIANA CONSTRUCTION STANDARDS SPECIFICATIONS AND DETAILS, REVISION 2024 OR LATEST EDITION.
15. ADDITIONAL COORDINATION WITH LANDSCAPE ARCHITECT ON UTILITY LOCATION AND PERIMETER SECURITY FENCE.
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EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E / A	ELEC. METER BOX/TRANSFORMER
EP / TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC / GEN	AIR CONDITIONER / GENERATOR
M / M	MAGNAIL SET/FOUND
R / R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
TM	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE - SQUARE / ROUND
12" / 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D / S	DRAINAGE /SANITARY MANHOLE
C / C	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHTC	OVERHEAD ELE TEL & CAB
OHE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
Higher Achievement • Together

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY PLAN

CERTIFIED BY:
KELLY ANN CANTRELL, REGISTERED No. PE10903660, STATE OF INDIANA, PROFESSIONAL ENGINEER
APPROVED FOR CONSTRUCTION
11/10/2025

DRAWING NUMBER
C401

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:51 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C400 UTILITY PLAN.DWG

MATCHLINE - REFER TO SHEET C401

MATCHLINE - REFER TO SHEET C404

MATCHLINE - REFER TO SHEET C403

PROPOSED BUILDING
11,380 SF
F.F.E.: 880.20' ±

ACO SPORT - SYSTEM
4000 TRENCH DRAIN
TR:879.58

UNDERGROUND DETENTION SYSTEM
SC-800 Chamber System
Required Storage: 140,000 cf
SUBGRADE TO BE STABILIZED TO ENSURE MANUFACTURER RECOMMENDED BEARING CAPACITY
SEE UTILITY DETAIL SHEET

Curb Inlet
Rim=876.93
Inv=873.14

Curb Inlet
Rim=877.52
Bottom=873.16

Curb Inlet
Rim=877.00
Inv(E)=872.22
Inv(S)=872.28

Curb Inlet
Rim=877.06
Inv(N)=873.86

Drainage MH
Rim=876.82
Inv(N)=871.84
Inv(E-N)=871.82
Inv(E-S)=871.96
Inv(S)=871.91

Drainage MH
Rim=877.63
Inv(N)=871.41
Inv(S)=871.51
Inv(W)=872.24

Sanitary MH
Rim=877.63
Inv=871.63

(asphalt)
24" concrete chair-back curb
12"RCP
WTR
OHE
SS
RD
(grass)
72" wood fence
No terminus found

SCALE: 1"=30'

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

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3. ALL MATERIALS AND CONSTRUCTION FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
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5. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVED AREAS TO BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL.
6. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
7. ANY WATER MAINS TO HAVE 54" MINIMUM COVER OVER TOP OF PIPE.
8. WATER SERVICE LINE TO THE BUILDING SHALL HAVE A SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION OUTSIDE OF THE BUILDING. (APPLIES TO COMMERCIAL ONLY)
9. STERILIZATION OF WATER MAIN SHALL BE IN ACCORDANCE WITH STATE BOARD OF HEALTH.
10. ALL UTILITY CROSSING AND CLEARANCES TO BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
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○ KEYNOTES

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D1. STORM CLEANOUT TYPE 1
D2. ACO TRENCH DRAIN, SYSTEM 4000
D3. OUTLET CONTROL STRUCTURE
D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
D8. CONNECT SUBSURFACE DRAIN(SSD)
D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
D10. MANHOLE
D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
D13. ROOF DRAIN CONNECTION AT STRUCTURE
D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
D15. FLAT PANEL DRAIN, 12" X 1"
D16. END SECTION TRASH RACK AND PERMANENT TURF REINFORCEMENT MAT, SEE DETAIL
D17. 12"X1" FLAT PANEL DRAINS. OUTLET/CONNECTION TO DETENTION SYSTEM
D18. BACKFLOW PREVENTER
D19. 2" PERFORATED UNDERDRAINS AT MIN. 2.0% SLOPE. MINIMUM 2' OF COVER FROM SURFACE. CONNECT TO 12" UNDERDRAIN COLLECTOR WITH WYE OR TEE CONNECTION.
D20. 12" PERFORATED COLLECTED DRAIN COLLECTOR AT MINIMUM 0.50% SLOPE. CONNECT TO SOLID 12" HDPE COLLECTOR PIPE WITH WYE OR TEE CONNECTION.
D21. 12" SOLID HDPE COLLECTOR PIPE AT MINIMUM 0.5% SLOPE.

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W1. CONTRACTOR TO LOCATE WATER MAIN AND CONFIRM SIZE AND DEPTH PRIOR TO CONSTRUCTION.
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W4. PROVIDE 10' MIN. SEPARATION FROM OUTSIDE SEWER PIPE TO OUTSIDE WATERLINE PIPE
W5. FIRE HYDRANT ASSEMBLY PER TOWN OF BROWNSBURG PAINTED RED WITH YELLOW BONNET
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W8. 8" DUCTILE IRON DOMESTIC WATER LINE
W9. 6" DUCTILE IRON FIRE HYDRANT CONNECTION LINE
W10. REDUCER FOR 8" TO 6" WATER LINE
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SANITARY
S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

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E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
E2. LIGHT POLE. SEE SIGHT ELECTRICAL PLAN

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G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
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U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

STORM	STORM SEWER LINE
SS	SANITARY SEWER LINE
G	GAS LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
RD	ROOF DRAIN
W	WATER LINE
	VALVE
	WATER METER PIT
	HYDRANT
	WATER SPIGOT
	CLEANOUT (STORM & SANITARY)

Indiana 811
Know what's below. Call before you dig.

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PROJECT:
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11/10/2025	NCB	KAC

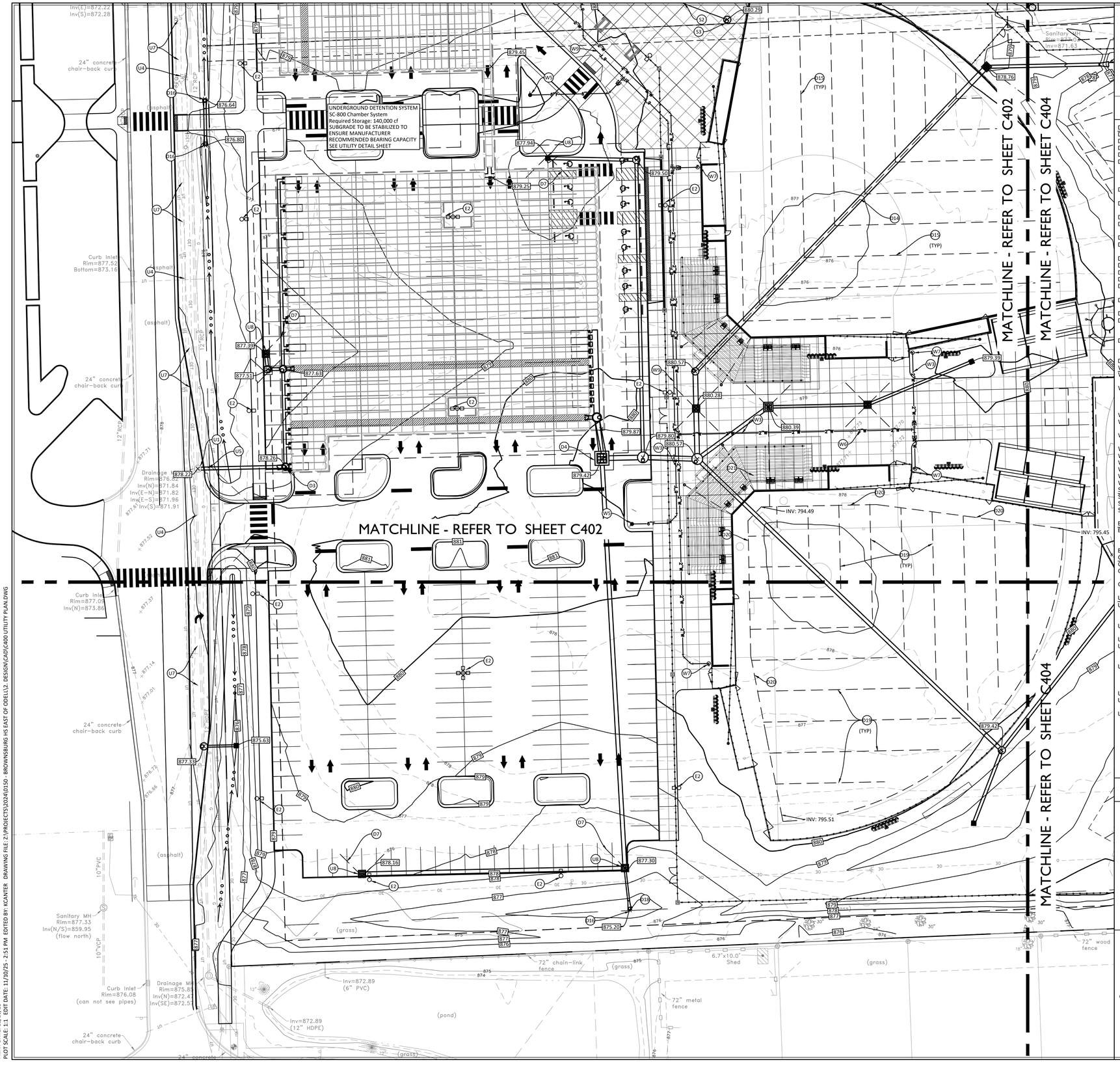
DRAWING TITLE:
UTILITY PLAN

CERTIFIED BY:
KELLY ANN CANNING
REGISTERED
No. PE10803687
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED CONSTRUCTION
11/10/2025

DRAWING NUMBER
C402

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 2:51 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C400 UTILITY PLAN.DWG



SCALE: 1"=30'

KEYNOTES

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RD	OVERHEAD ELE. & TEL
WTR	OVERHEAD ELE TEL & CAB
E	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
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317.848.7800 csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

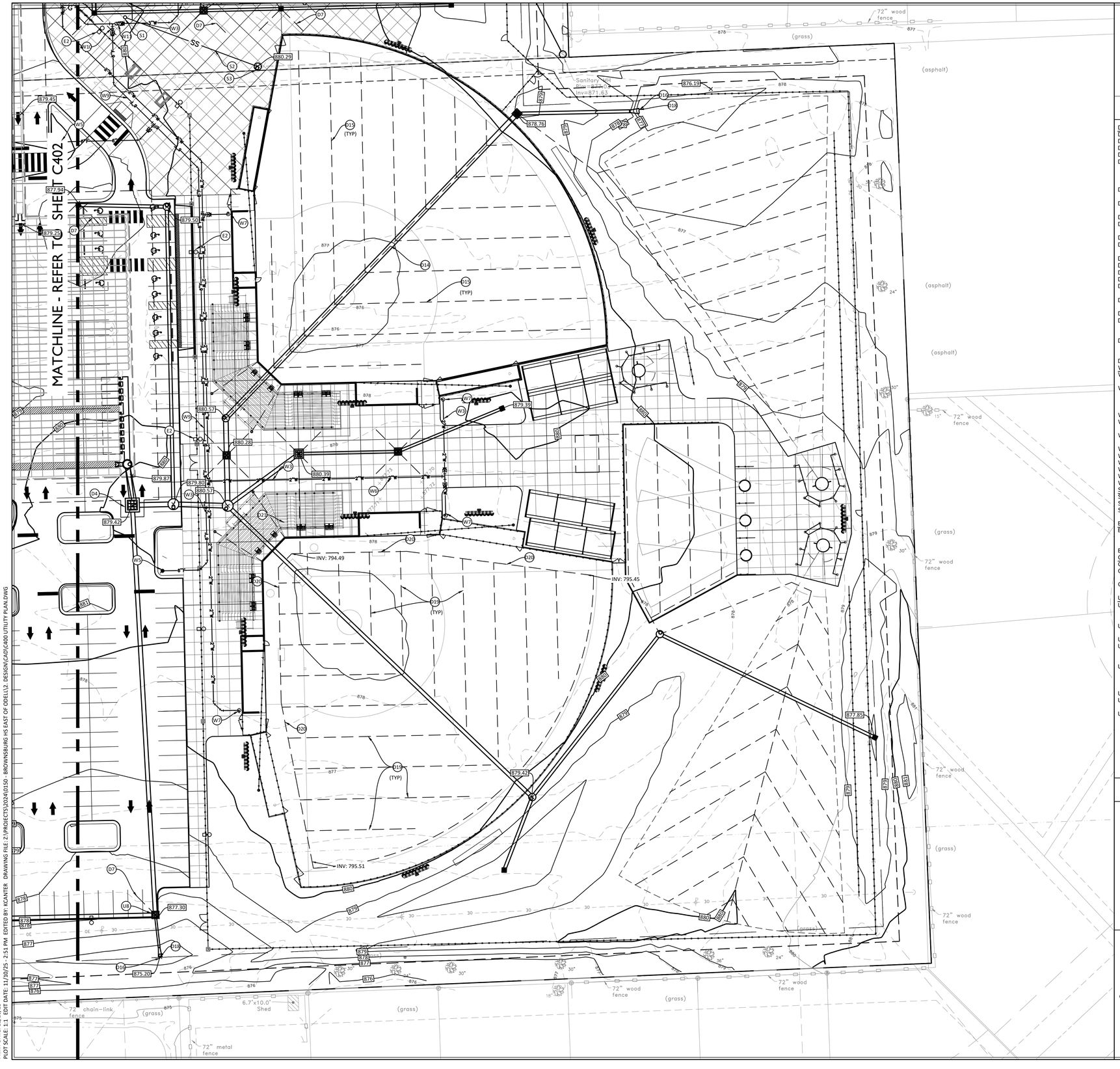
DRAWING TITLE:
UTILITY PLAN

CERTIFIED BY:
KELLY ANN CANTER
REGISTERED
No. PE10800016
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C403

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:51 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\3_DESIGN\CAD\C400 UTILITY PLAN.DWG



SCALE: 1"=30'

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

○ KEYNOTES

DRAINAGE
D1. STORM CLEANOUT TYPE 1
D2. ACO TRENCH DRAIN, SYSTEM 4000
D3. OUTLET CONTROL STRUCTURE
D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
D8. CONNECT SUBSURFACE DRAIN(SSD)
D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
D10. MANHOLE
D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
D13. ROOF DRAIN CONNECTION AT STRUCTURE
D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
D15. FLAT PANEL DRAIN, 12" X 1"
D16. END SECTION TRASH RACK AND PERMANENT TURF REINFORCEMENT MAT, SEE DETAIL
D17. 12"X1" FLAT PANEL DRAINS. OUTLET/CONNECTION TO DETENTION SYSTEM
D18. BACKFLOW PREVENTER
D19. 2" PERFORATED UNDERDRAINS AT MIN. 2.0% SLOPE. MINIMUM 2' OF COVER FROM SURFACE. CONNECT TO 12" UNDERDRAIN COLLECTOR WITH WYE OR TEE CONNECTION.
D20. 12" PERFORATED COLLECTED DRAIN COLLECTOR AT MINIMUM 0.50% SLOPE. CONNECT TO SOLID 12" HDPE COLLECTOR PIPE WITH WYE OR TEE CONNECTION.
D21. 12" SOLID HDPE COLLECTOR PIPE AT MINIMUM 0.5% SLOPE.

WATER
W1. CONTRACTOR TO LOCATE WATER MAIN AND CONFIRM SIZE AND DEPTH PRIOR TO CONSTRUCTION.
W2. TAPPING SLEEVE AND VALVE ON EXISTING WATER LINE PER TOWN OF BROWNSBURG UTILITY. CONNECTION SHALL BE AT LEAST 5' FROM PREVIOUS CONNECTION PER WATER UTILITY.
W3. PROVIDE 18" MIN. VERTICAL SEPARATION
W4. PROVIDE 10' MIN. SEPARATION FROM OUTSIDE SEWER PIPE TO OUTSIDE WATERLINE PIPE
W5. FIRE HYDRANT ASSEMBLY PER TOWN OF BROWNSBURG PAINTED RED WITH YELLOW BONNET
W6. 2" ENDURE BLUE POLY DOMESTIC WATER LINE
W7. WATER SPIGOT
W8. 8" DUCTILE IRON DOMESTIC WATER LINE
W9. 6" DUCTILE IRON FIRE HYDRANT CONNECTION LINE
W10. REDUCER FOR 8" TO 6" WATER LINE
W11. REDUCE FOR 6" TO 3" WATER LINE

SANITARY
S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

ELECTRIC
E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
E2. LIGHT POLE. SEE SIGHT ELECTRICAL PLAN

GAS
G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
G2. GAS SERVICE CONNECTION, SEE MAP PLANS FOR CONTINUATION.
G3. GAS METER. COORDINATE WITH GAS UTILITY FOR PLACEMENT AND TIMING

UTILITY
U1. ADJUST CASTING/UTILITY TO GRADE. IF CANNOT BE ADJUSTED REPLACE STRUCTURE/UTILITY TO MEET NEW GRADE.
U2. LOCATE UTILITY PRIOR TO PLACEMENT OF STRUCTURE. SUPPORT, PROTECT OR RELOCATE FOR NEW STRUCTURE.
U3. REPLACE STRUCTURE TO MEET GRADE
U4. EXISTING UTILITY LINE IS TO BE LOWERED IF STANDARD MINIMUM COVER IS NOT MAINTAINED WITH PROPOSED GRADING.
U5. CONTRACTOR IS TO PERFORM INVESTIGATIVE HYDROVAC AT UTILITY CROSSINGS OR AREAS OF CUT BEFORE WORK BEGINS. CONCTRACTOR IS TO NOTIFY ENGINEER IS UTILITY INFORMATION DIFFERS FROM PLANS.
U6. ADD CONCRETE COLLAR TO EXISTING STRUCTURE
U7. PROVIDE APPROPRIATE BACKFILL OVER EXISTING UTILITIES UNDER OR WITHIN 5' OF NEW PAVEMENT
U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

	STORM SEWER LINE
SS	SANITARY SEWER LINE
G	GAS LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
RD	ROOF DRAIN
W	WATER LINE
	VALVE
	WATER METER PIT
	HYDRANT
	WATER SPIGOT
	CLEANOUT (STORM & SANITARY)

Indiana 811 Know what's below. Call before you dig.

PER INDIANA STATE LAW IS-69-1991. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

GENERAL NOTES

1. IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO THE PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. EACH SUBCONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
2. ALL MATERIALS AND CONSTRUCTION FOR SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
3. ALL MATERIALS AND CONSTRUCTION FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
4. ALL MATERIALS AND CONSTRUCTION FOR WATER MAINS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
5. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVED AREAS TO BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL.
6. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
7. ANY WATER MAINS TO HAVE 54" MINIMUM COVER OVER TOP OF PIPE.
8. WATER SERVICE LINE TO THE BUILDING SHALL HAVE A SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION OUTSIDE OF THE BUILDING. (APPLIES TO COMMERCIAL ONLY)
9. STERILIZATION OF WATER MAIN SHALL BE IN ACCORDANCE WITH STATE BOARD OF HEALTH.
10. ALL UTILITY CROSSING AND CLEARANCES TO BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
11. IF EXISTING FIELD TILES ARE ENCOUNTERED DURING CONSTRUCTION THEY ARE TO BE TIED INTO THE PROPOSED STORM SEWER SYSTEM.
12. ALL SEWER PIPES UNDER OR WITHIN 5' OF PAVEMENT SHALL BE BACKFILLED WITH GRANULAR BACKFILL. FOR BACKFILL PURPOSES, PAVED SHOULDERS, CURBS, GUTTER, AND SIDE WALKS ARE CONSIDER PAVEMENT. FOR PIPES WITHIN INDIANA STATE RIGHTS-OF-WAY, BACKFILL SHALL BE PROVIDED PER INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS. LOCAL JURISDICTION REQUIREMENTS MAY DICTATE MORE STRINGENT REQUIREMENTS AT TIME OF CONSTRUCTION AND INSPECTION.
13. CONTRACTOR TO PROVIDE SURVEYED AS-BUILT/RECORD DRAWINGS OF ALL STORM SEWERS AND SANITARY SEWER MAINS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
14. CONTRACTOR SHALL BE FAMILIAR WITH TOWN OF BROWNSBURG INDIANA CONSTRUCTION STANDARDS SPECIFICATIONS AND DETAILS, REVISION 2024 OR LATEST EDITION.
15. ADDITIONAL COORDINATION WITH LANDSCAPE ARCHITECT ON UTILITY LOCATION AND PERIMETER SECURITY FENCE.
16. CONTRACTOR SHALL LOCATE UTILITIES PRIOR TO CONSTRUCTION. NOTE UTILITIES ALONG ODELL STREET VARY IN DEPTH AND ARE SHALLOW IN LOCATIONS. CONTRACTOR SHALL DAYLIGHT UTILITIES IN AREA OF CUT AND AREAS OF NEW UTILITY CROSSINGS.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE DECIDUOUS TREE & SIZE
	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
	UNDG. WATER LINE
	UNDG. GAS LINE
	UNDG. TELEPHONE LINE
	UNDG. ELECTRIC LINE
	OVERHEAD ELE. & TEL
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VCP	vitrified clay pipe
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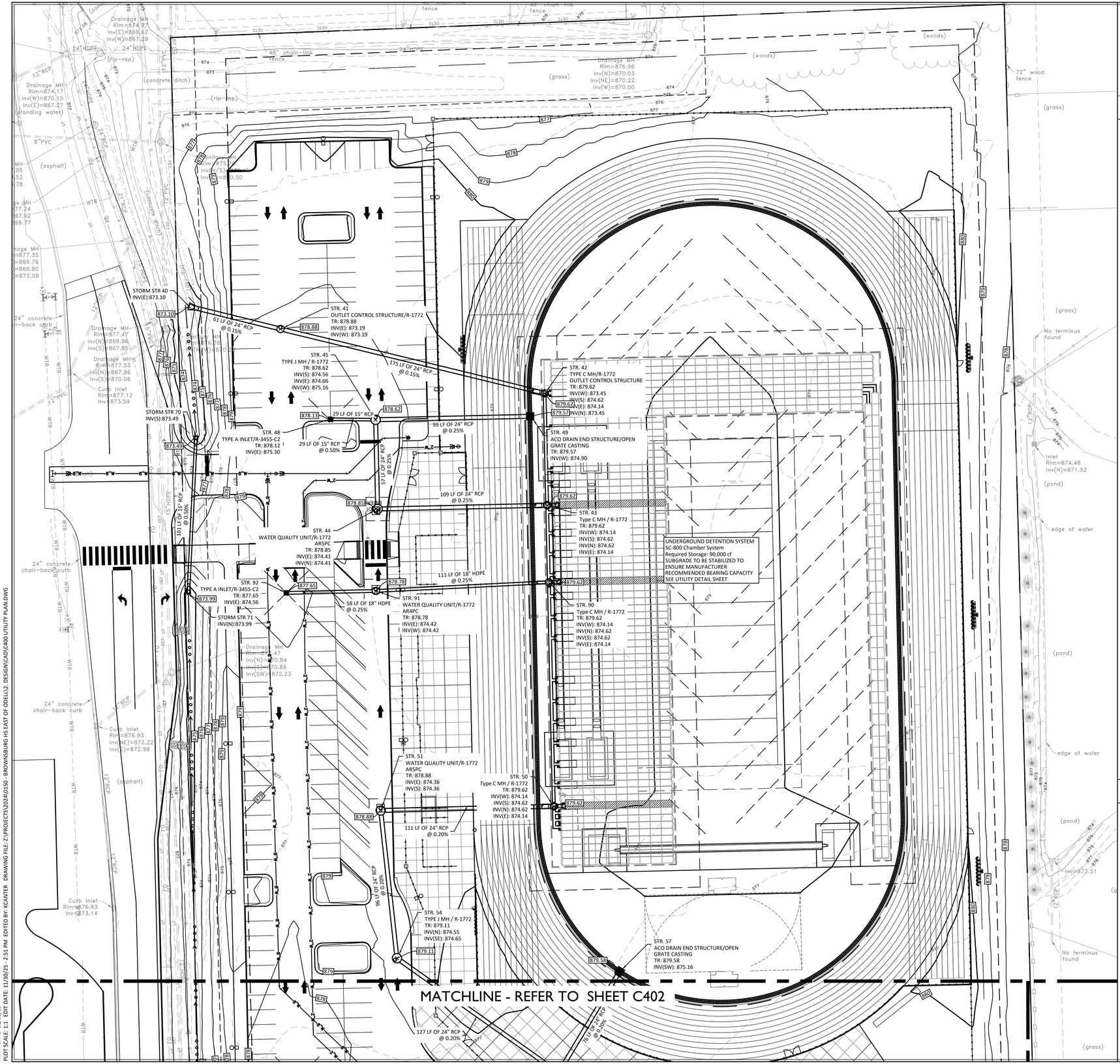
DRAWING TITLE:
UTILITY PLAN

CERTIFIED BY:
KELLY ANN CANTER — REGISTERED — No. PE10800015 — STATE OF INDIANA — PROFESSIONAL ENGINEER — APPROVED FOR CONSTRUCTION
11/10/2025

DRAWING NUMBER
C404

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:51 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\L2 DESIGN\CAD\C400 UTILITY PLAN.DWG



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SCALE: 1"=30'

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UTILITY LEGEND

SS	SANITARY SEWER LINE
G	GAS LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
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EP TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC GEN	AIR CONDITIONER / GENERATOR
M M	MAGNAIL SET/FOUND
R R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
TR	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE - SQUARE / ROUND
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SEE EXISTING CONDITIONS SHEET.

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PROJECT:
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SCOPE DRAWINGS:
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REVISIONS:

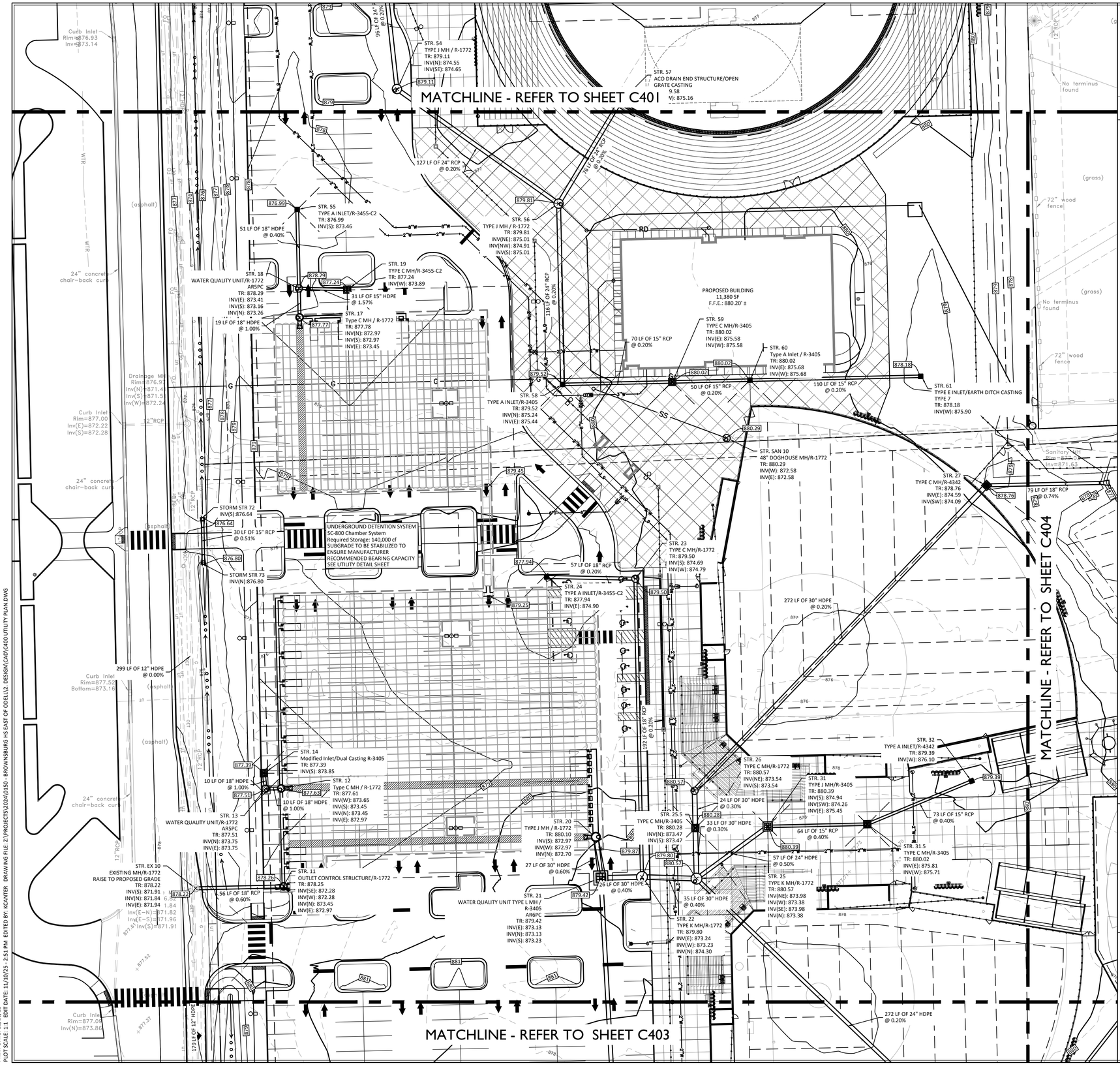
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY PLAN

CERTIFIED BY:
KELLY ANN CANTER REGISTERED No. PE10903661 STATE OF INDIANA PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C405

PROJECT NUMBER
2024.0150



BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

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6. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
7. ANY WATER MAINS TO HAVE 54" MINIMUM COVER OVER TOP OF PIPE.
8. WATER SERVICE LINE TO THE BUILDING SHALL HAVE A SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION OUTSIDE OF THE BUILDING. (APPLIES TO COMMERCIAL ONLY)
9. STERILIZATION OF WATER MAIN SHALL BE IN ACCORDANCE WITH STATE BOARD OF HEALTH.
10. ALL UTILITY CROSSING AND CLEARANCES TO BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
11. IF EXISTING FIELD TILES ARE ENCOUNTERED DURING CONSTRUCTION THEY ARE TO BE TIED INTO THE PROPOSED STORM SEWER SYSTEM.
12. ALL SEWER PIPES UNDER OR WITHIN 5' OF PAVEMENT SHALL BE BACKFILLED WITH GRANULAR BACKFILL. FOR BACKFILL PURPOSES, PAVED SHOULDERS, CURBS, GUTTER, AND SIDE WALKS ARE CONSIDER PAVEMENT. FOR PIPES WITHIN INDIANA STATE RIGHTS-OF-WAY, BACKFILL SHALL BE PROVIDED PER INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS. LOCAL JURISDICTION REQUIREMENTS MAY DICTATE MORE STRINGENT REQUIREMENTS AT TIME OF CONSTRUCTION AND INSPECTION.
13. CONTRACTOR TO PROVIDE SURVEYED AS-BUILT/RECORD DRAWINGS OF ALL STORM SEWERS AND SANITARY SEWER MAINS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
14. CONTRACTOR SHALL BE FAMILIAR WITH TOWN OF BROWNSBURG INDIANA CONSTRUCTION STANDARDS SPECIFICATIONS AND DETAILS, REVISION 2024 OR LATEST EDITION.
15. ADDITIONAL COORDINATION WITH LANDSCAPE ARCHITECT ON UTILITY LOCATION AND PERIMETER SECURITY FENCE.
16. CONTRACTOR SHALL LOCATE UTILITIES PRIOR TO CONSTRUCTION. NOTE UTILITIES ALONG ODELL STREET VARY IN DEPTH AND ARE SHALLOW IN LOCATIONS. CONTRACTOR SHALL DAYLIGHT UTILITIES IN AREA OF CUT AND AREAS OF NEW UTILITY CROSSINGS.

KEYNOTES

DRAINAGE
- D1. STORM CLEANOUT TYPE 1
- D2. ACO TRENCH DRAIN, SYSTEM 4000
- D3. OUTLET CONTROL STRUCTURE
- D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
- D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
- D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
- D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
- D8. CONNECT SUBSURFACE DRAIN(SSD)
- D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
- D10. MANHOLE
- D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
- D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
- D13. ROOF DRAIN CONNECTION AT STRUCTURE
- D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
- D15. FLAT PANEL DRAIN, 12" X 1"
- D16. END SECTION TRASH RACK AND PERMANENT TURF REINFORCEMENT MAT, SEE DETAIL
- D17. 12"X1" FLAT PANEL DRAINS. OUTLET/CONNECTION TO DETENTION SYSTEM
- D18. BACKFLOW PREVENTER
- D19. 2" PERFORATED UNDERDRAINS AT MIN. 2.0% SLOPE. MINIMUM 2' OF COVER FROM SURFACE. CONNECT TO 12" UNDERDRAIN COLLECTOR WITH WYE OR TEE CONNECTION.
- D20. 12" PERFORATED COLLECTED DRAIN COLLECTOR AT MINIMUM 0.50% SLOPE. CONNECT TO SOLID 12" HDPE COLLECTOR PIPE WITH WYE OR TEE CONNECTION.
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WATER
- W1. CONTRACTOR TO LOCATE WATER MAIN AND CONFIRM SIZE AND DEPTH PRIOR TO CONSTRUCTION.
- W2. TAPPING SLEEVE AND VALVE ON EXISTING WATER LINE PER TOWN OF BROWNSBURG UTILITY. CONNECTION SHALL BE AT LEAST 5' FROM PREVIOUS CONNECTION PER WATER UTILITY.
- W3. PROVIDE 18" MIN. VERTICAL SEPARATION
- W4. PROVIDE 10' MIN. SEPARATION FROM OUTSIDE SEWER PIPE TO OUTSIDE WATERLINE PIPE
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SANITARY
- S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
- S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
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ELECTRIC
- E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
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GAS
- G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
- G2. GAS SERVICE CONNECTION, SEE MAP PLANS FOR CONTINUATION.
- G3. GAS METER. COORDINATE WITH GAS UTILITY FOR PLACEMENT AND TIMING

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- U1. ADJUST CASTING/UTILITY TO GRADE. IF CANNOT BE ADJUSTED REPLACE STRUCTURE/UTILITY TO MEET NEW GRADE.
- U2. LOCATE UTILITY PRIOR TO PLACEMENT OF STRUCTURE. SUPPORT, PROTECT OR RELOCATE FOR NEW STRUCTURE.
- U3. REPLACE STRUCTURE TO MEET GRADE
- U4. EXISTING UTILITY LINE IS TO BE LOWERED IF STANDARD MINIMUM COVER IS NOT MAINTAINED WITH PROPOSED GRADING.
- U5. CONTRACTOR IS TO PERFORM INVESTIGATIVE HYDROVAC AT UTILITY CROSSINGS OR AREAS OF CUT BEFORE WORK BEGINS. CONCTRACTOR IS TO NOTIFY ENGINEER IS UTILITY INFORMATION DIFFERS FROM PLANS.
- U6. ADD CONCRETE COLLAR TO EXISTING STRUCTURE
- U7. PROVIDE APPROPRIATE BACKFILL OVER EXISTING UTILITIES UNDER OR WITHIN 5' OF NEW PAVEMENT
- U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

STORM	STORM SEWER LINE
SS	SANITARY SEWER LINE
G	GAS LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
RD	ROOF DRAIN
W	WATER LINE
	VALVE
	WATER METER PIT
	HYDRANT
	WATER SPIGOT
	CLEANOUT (STORM & SANITARY)

Indiana 811 — Know what's below. Call before you dig.

PER INDIANA STATE LAW IS-69-1991. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
EP TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC GEN	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
TP P	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
C L	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHE	OVERHEAD ELE TEL & CAB
OH	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation — Higher Achievement • Together

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3831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

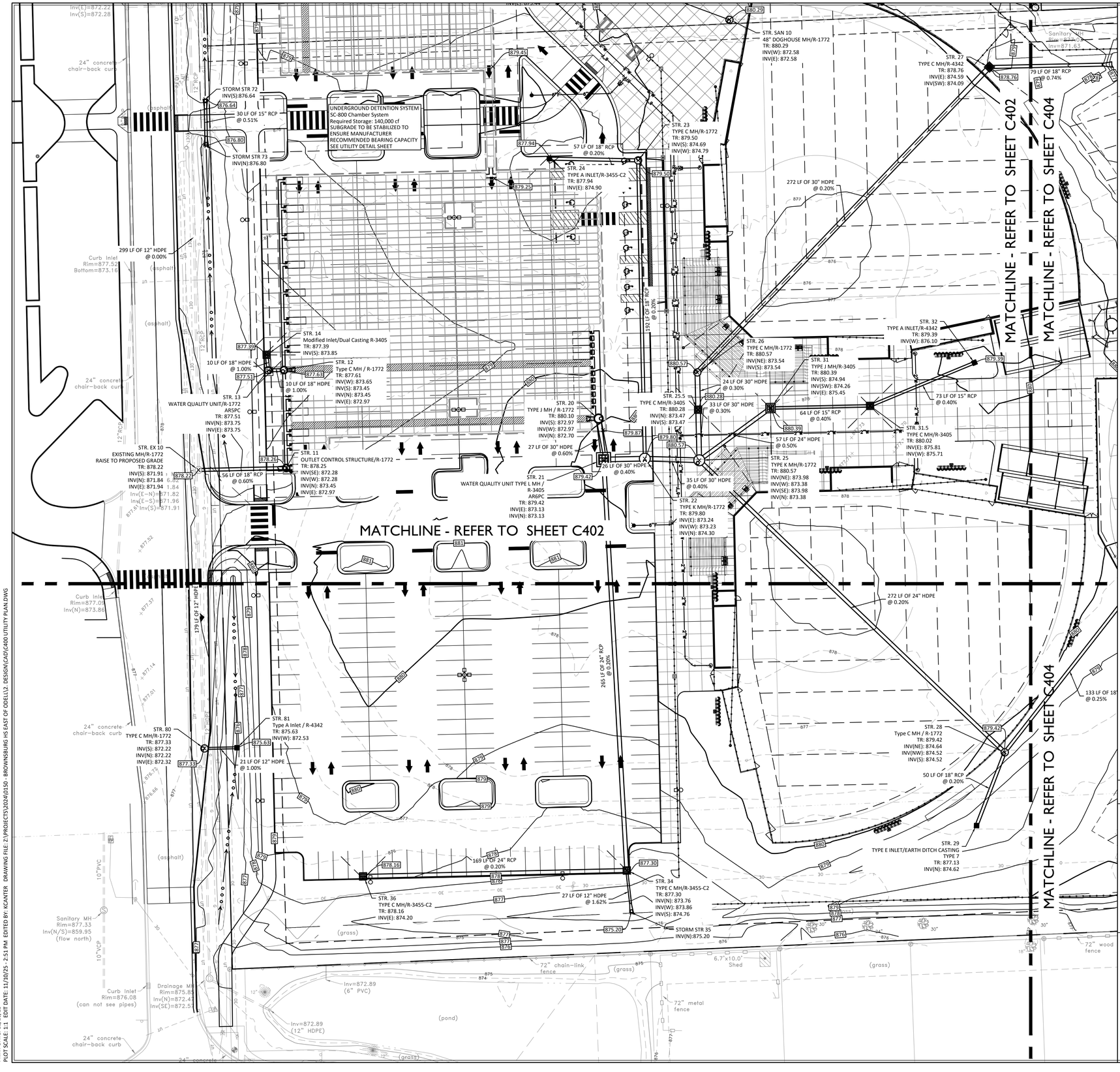
DRAWING TITLE:
UTILITY PLAN

CERTIFIED BY:
KELLY ANN CARLING — REGISTERED — No. PE10800637 — STATE OF INDIANA — PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C406

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 2:51 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150- BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C400 UTILITY PLAN.DWG



PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:51 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\D. DESIGN\CAD\C400 UTILITY PLAN.DWG

SCALE: 1"=30'

KEYNOTES

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	WATER SPIGOT
	CLEANOUT (STORM & SANITARY)



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BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO THE PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. EACH SUBCONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
2. ALL MATERIALS AND CONSTRUCTION FOR SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
3. ALL MATERIALS AND CONSTRUCTION FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
4. ALL MATERIALS AND CONSTRUCTION FOR WATER MAINS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
5. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVED AREAS TO BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL.
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LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
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E	ELEC. METER BOX/TRANSFORMER
EP TP	ELEC. / TELEPHONE PEDESTAL
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AC BEN	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
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12" / 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
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VCP	vitrified clay pipe
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PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
Higher Achievement • Together

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8831 Keystone Crossing, Indianapolis, IN 64240
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
1000 S ODELL ST, BROWNSBURG, IN 46112

95% CONSTRUCTION DOCUMENTS

SCOPE DRAWINGS:
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REVISIONS:

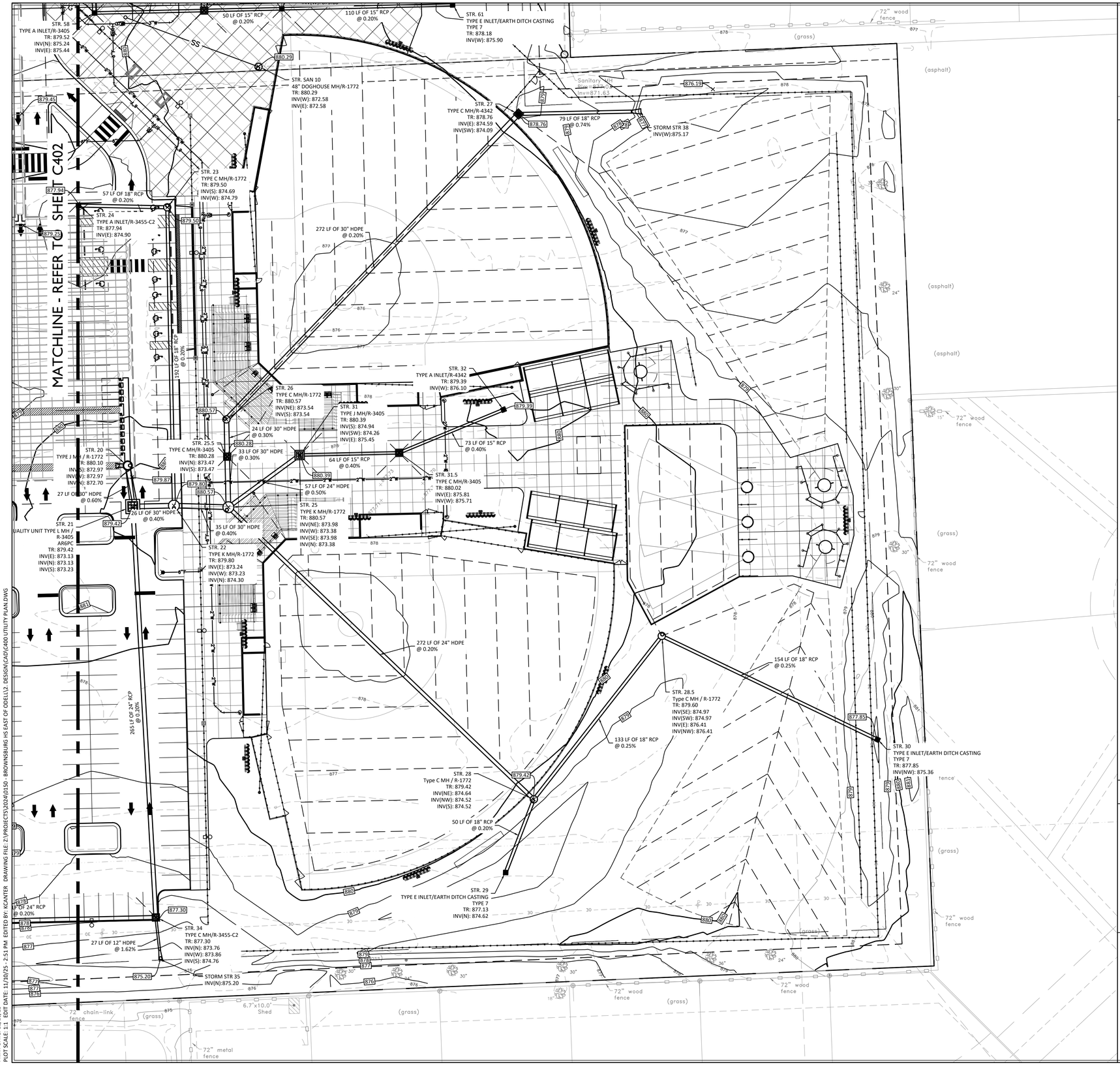
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY PLAN

CERTIFIED BY:
KELLY ANN CANTER
REGISTERED
No. PE10800016
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C407

PROJECT NUMBER
2024.0150



PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:51 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C400 UTILITY PLAN.DWG

0' 30' 60'

SCALE: 1"=30'

○ KEYNOTES

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U4. EXISTING UTILITY LINE IS TO BE LOWERED IF STANDARD MINIMUM COVER IS NOT MAINTAINED WITH PROPOSED GRADING.
U5. CONTRACTOR IS TO PERFORM INVESTIGATIVE HYDROVAC AT UTILITY CROSSINGS OR AREAS OF CUT BEFORE WORK BEGINS. CONCTRACTOR IS TO NOTIFY ENGINEER IS UTILITY INFORMATION DIFFERS FROM PLANS.
U6. ADD CONCRETE COLLAR TO EXISTING STRUCTURE
U7. PROVIDE APPROPRIATE BACKFILL OVER EXISTING UTILITIES UNDER OR WITHIN 5' OF NEW PAVEMENT
U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

- STORM SEWER LINE
- SS — SANITARY SEWER LINE
- G — GAS LINE
- E — ELECTRIC LINE
- T — TELEPHONE LINE
- RD — ROOF DRAIN
- W — WATER LINE
- VALVE
- WATER METER PIT
- HYDRANT
- WATER SPIGOT
- CLEANOUT (STORM & SANITARY)

Indiana 811
Know what's below. Call before you dig.

PER INDIANA STATE LAW IS-69-1991. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

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2. ALL MATERIALS AND CONSTRUCTION FOR SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
3. ALL MATERIALS AND CONSTRUCTION FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
4. ALL MATERIALS AND CONSTRUCTION FOR WATER MAINS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
5. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVED AREAS TO BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL.
6. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
7. ANY WATER MAINS TO HAVE 54" MINIMUM COVER OVER TOP OF PIPE.
8. WATER SERVICE LINE TO THE BUILDING SHALL HAVE A SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION OUTSIDE OF THE BUILDING. (APPLIES TO COMMERCIAL ONLY)
9. STERILIZATION OF WATER MAIN SHALL BE IN ACCORDANCE WITH STATE BOARD OF HEALTH.
10. ALL UTILITY CROSSING AND CLEARANCES TO BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
11. IF EXISTING FIELD TILES ARE ENCOUNTERED DURING CONSTRUCTION THEY ARE TO BE TIED INTO THE PROPOSED STORM SEWER SYSTEM.
12. ALL SEWER PIPES UNDER OR WITHIN 5' OF PAVEMENT SHALL BE BACKFILLED WITH GRANULAR BACKFILL. FOR BACKFILL PURPOSES, PAVED SHOULDERS, CURBS, GUTTER, AND SIDE WALKS ARE CONSIDER PAVEMENT. FOR PIPES WITHIN INDIANA STATE RIGHTS-OF-WAY, BACKFILL SHALL BE PROVIDED PER INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS. LOCAL JURISDICTION REQUIREMENTS MAY DICTATE MORE STRINGENT REQUIREMENTS AT TIME OF CONSTRUCTION AND INSPECTION.
13. CONTRACTOR TO PROVIDE SURVEYED AS-BUILT/RECORD DRAWINGS OF ALL STORM SEWERS AND SANITARY SEWER MAINS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
14. CONTRACTOR SHALL BE FAMILIAR WITH TOWN OF BROWNSBURG INDIANA CONSTRUCTION STANDARDS SPECIFICATIONS AND DETAILS, REVISION 2024 OR LATEST EDITION.
15. ADDITIONAL COORDINATION WITH LANDSCAPE ARCHITECT ON UTILITY LOCATION AND PERIMETER SECURITY FENCE.
16. CONTRACTOR SHALL LOCATE UTILITIES PRIOR TO CONSTRUCTION. NOTE UTILITIES ALONG ODELL STREET VARY IN DEPTH AND ARE SHALLOW IN LOCATIONS. CONTRACTOR SHALL DAYLIGHT UTILITIES IN AREA OF CUT AND AREAS OF NEW UTILITY CROSSINGS.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE - SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

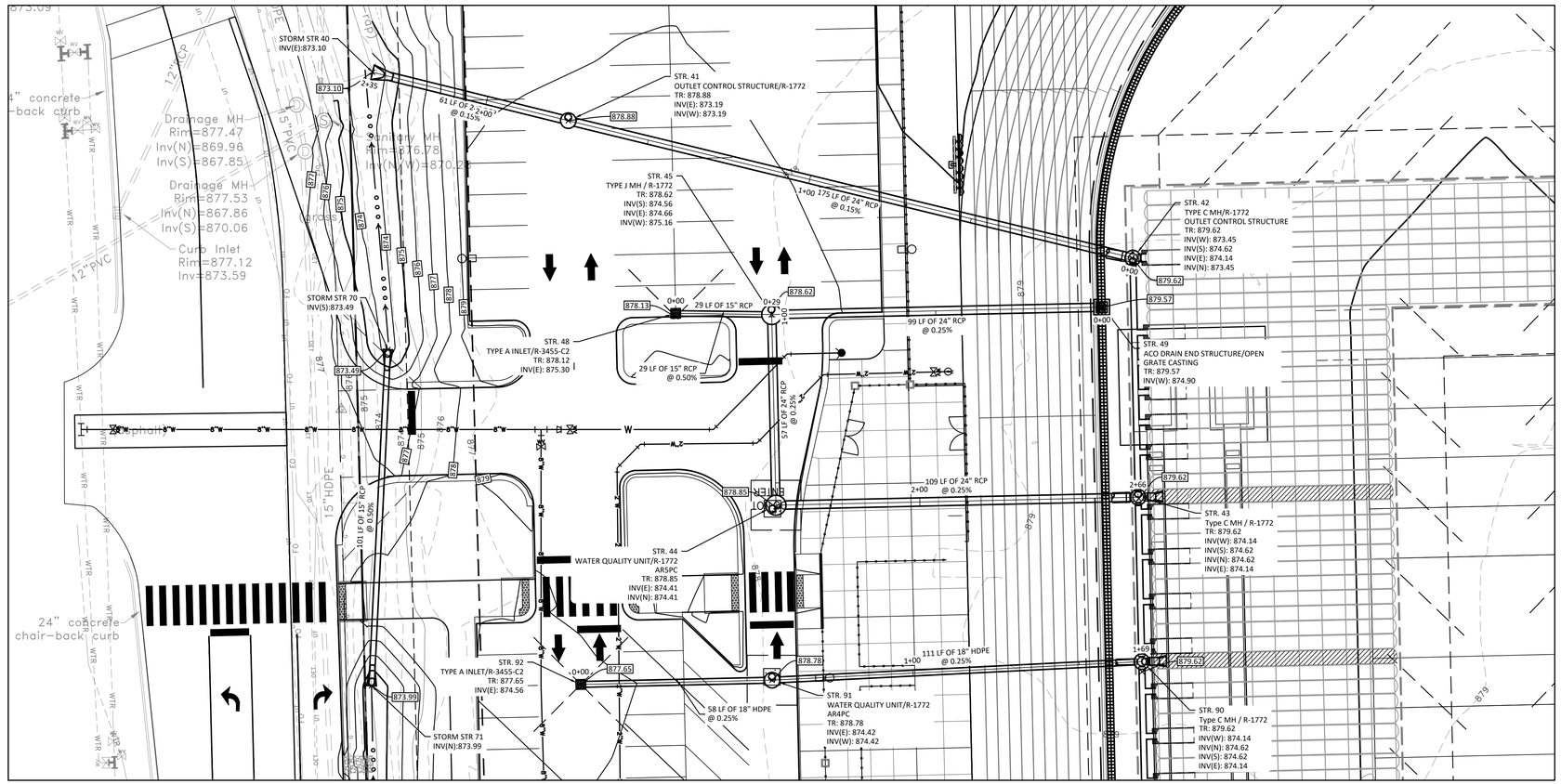
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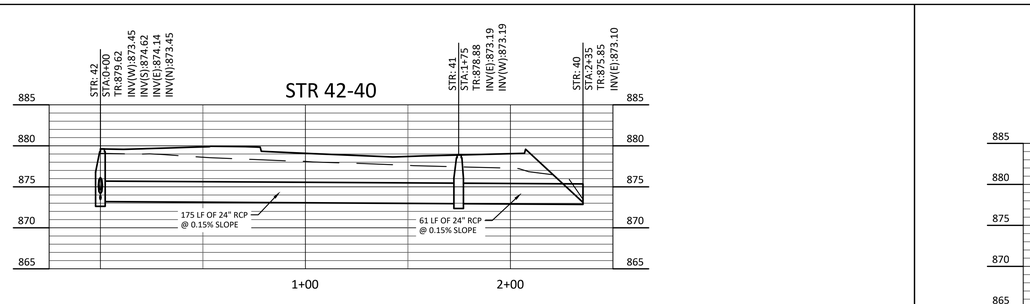
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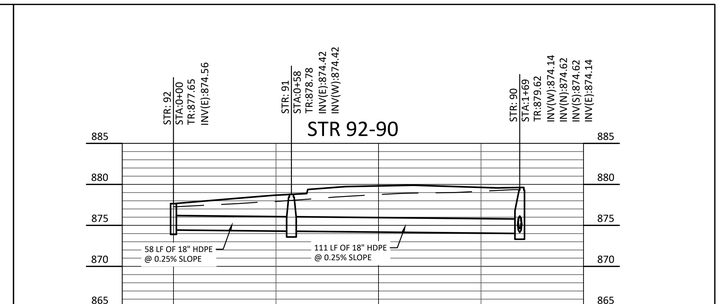
CERTIFIED BY:
KELLY ANN CANTER
REGISTERED
No. 29300018
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED FOR CONSTRUCTION
11/10/2025

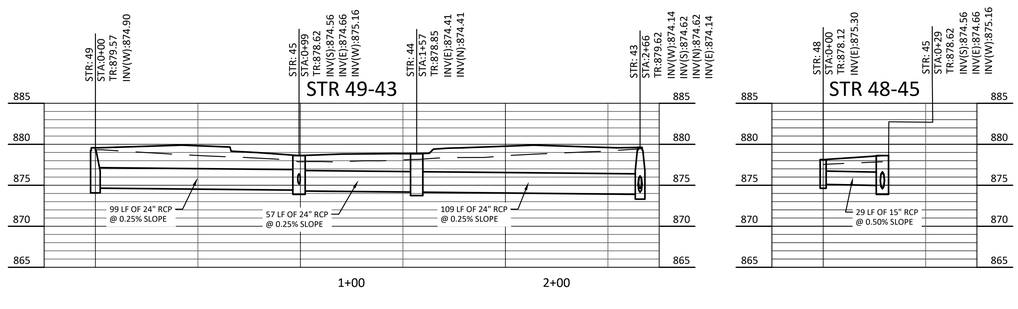
DRAWING NUMBER
C408

PROJECT NUMBER
2024.0150









SCALE: 1"=20'

KEYNOTES

DRAINAGE
- D1. STORM CLEANOUT TYPE 1
- D2. ACO TRENCH DRAIN, SYSTEM 4000
- D3. OUTLET CONTROL STRUCTURE
- D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
- D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
- D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
- D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
- D8. CONNECT SUBSURFACE DRAIN(SSD)
- D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
- D10. MANHOLE
- D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
- D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
- D13. ROOF DRAIN CONNECTION AT STRUCTURE
- D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
- D15. FLAT PANEL DRAIN, 12" X 1"
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- D18. BACKFLOW PREVENTER
- D19. 2" PERFORATED UNDERDRAINS AT MIN. 2.0% SLOPE. MINIMUM 2' OF COVER FROM SURFACE. CONNECT TO 12" UNDERDRAIN COLLECTOR WITH WYE OR TEE CONNECTION.
- D20. 12" PERFORATED COLLECTED DRAIN COLLECTOR AT MINIMUM 0.50% SLOPE. CONNECT TO SOLID 12" HDPE COLLECTOR PIPE WITH WYE OR TEE CONNECTION.
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WATER
- W1. CONTRACTOR TO LOCATE WATER MAIN AND CONFIRM SIZE AND DEPTH PRIOR TO CONSTRUCTION.
- W2. TAPPING SLEEVE AND VALVE ON EXISTING WATER LINE PER TOWN OF BROWNSBURG UTILITY. CONNECTION SHALL BE AT LEAST 5' FROM PREVIOUS CONNECTION PER WATER UTILITY.
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- S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
- S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
- S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

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- E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
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	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
EP TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC GEN	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
TP	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
C L	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHE	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
Higher Achievement • Together
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8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net
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Indianapolis, IN 46216
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www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
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REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

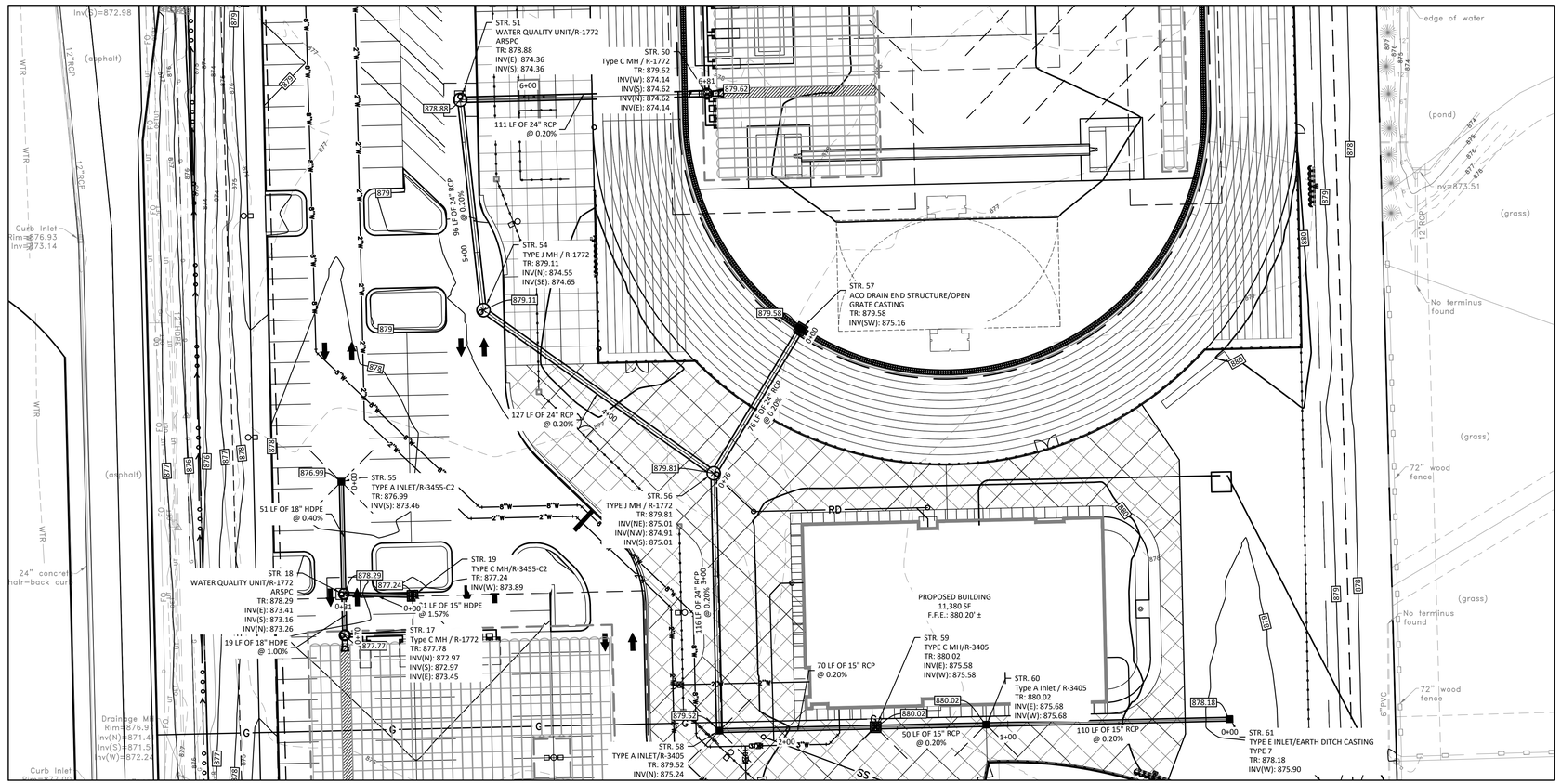
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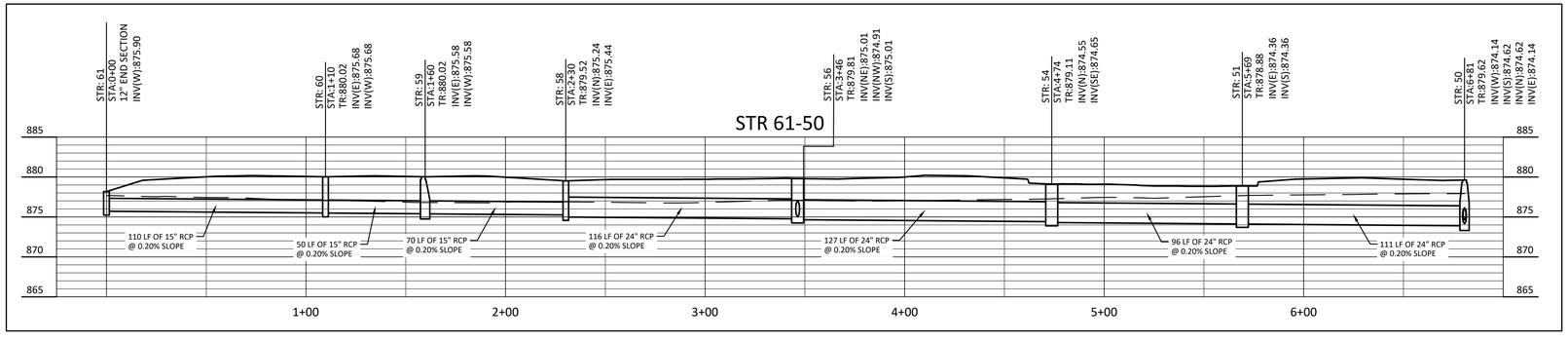
CERTIFIED BY:
KELLY ANN CARRICO
REGISTERED
No. PE10803
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED CONSTRUCTION PLAN
11/10/2025

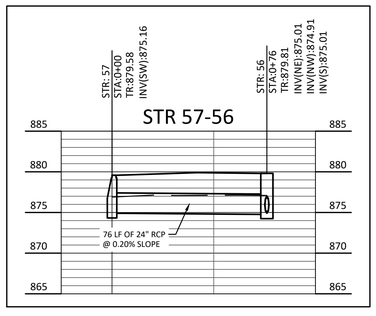
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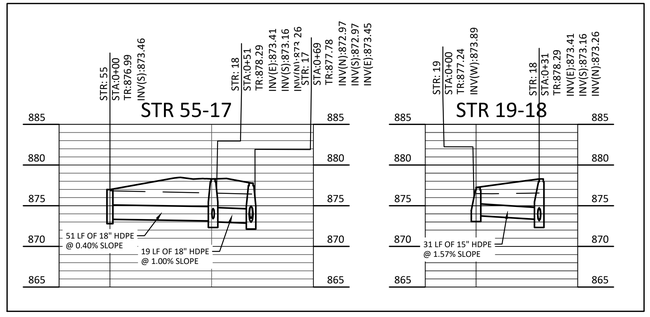
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SCALE: 1"=30'

○ KEYNOTES

DRAINAGE
D1. STORM CLEANOUT TYPE 1
D2. ACO TRENCH DRAIN, SYSTEM 4000
D3. OUTLET CONTROL STRUCTURE
D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
D8. CONNECT SUBSURFACE DRAIN(SSD)
D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
D10. MANHOLE
D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
D13. ROOF DRAIN CONNECTION AT STRUCTURE
D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
D15. FLAT PANEL DRAIN, 12" X 1"
D16. END SECTION TRASH RACK AND PERMANENT TURF REINFORCEMENT MAT, SEE DETAIL
D17. 12"X1" FLAT PANEL DRAINS. OUTLET/CONNECTION TO DETENTION SYSTEM
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W2. TAPPING SLEEVE AND VALVE ON EXISTING WATER LINE PER TOWN OF BROWNSBURG UTILITY. CONNECTION SHALL BE AT LEAST 5' FROM PREVIOUS CONNECTION PER WATER UTILITY.
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S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

ELECTRIC
E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
E2. LIGHT POLE. SEE SIGHT ELECTRICAL PLAN

GAS
G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
G2. GAS SERVICE CONNECTION, SEE MAP PLANS FOR CONTINUATION.
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	WATER SPIGOT
	CLEANOUT (STORM & SANITARY)

Indiana 811
Know what's below. Call before you dig.
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BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

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EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
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	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN–OUT
E	ELEC. METER BOX/TRANSFORMER
EP TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC GEN	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
TP P	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
C L	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHE	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high–density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
Higher Achievement • Together

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8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

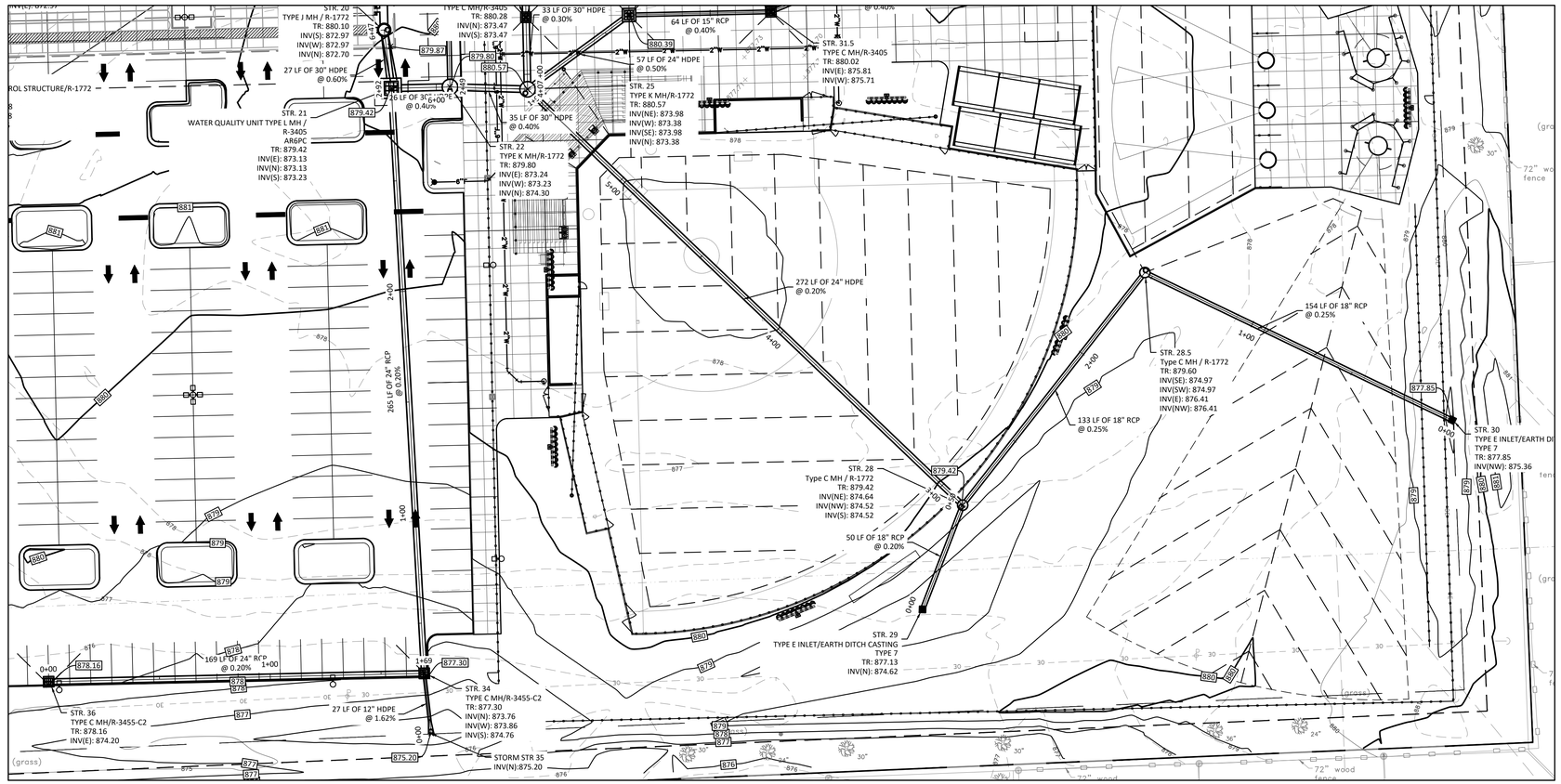
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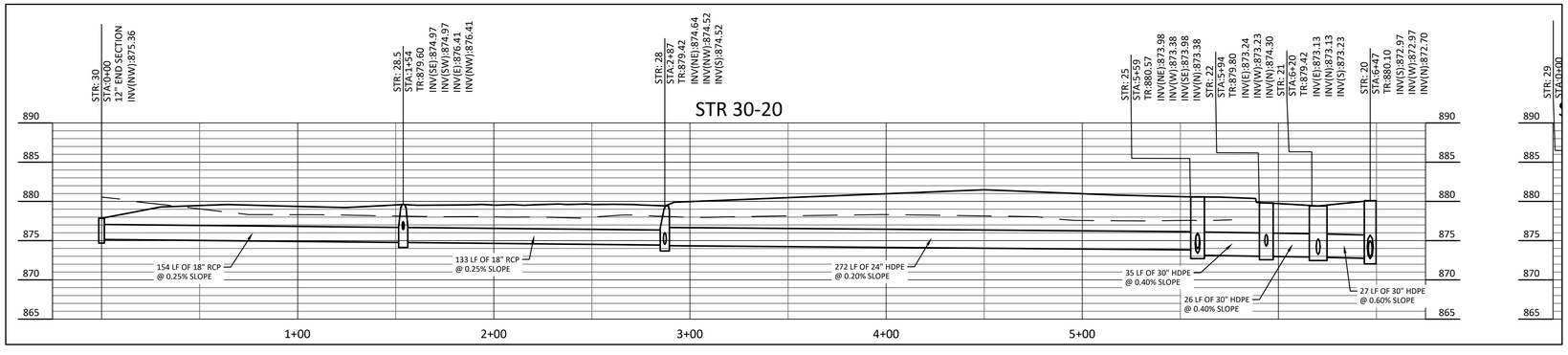
CERTIFIED BY:
KELLY ANN CARLSON
REGISTERED
No. PE10800018
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

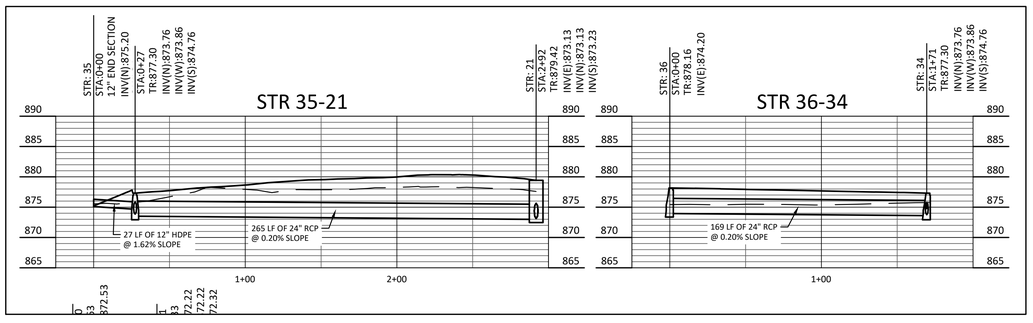
DRAWING NUMBER
C421

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
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SCALE: 1"=30'

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○ KEYNOTES

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- D1. STORM CLEANOUT TYPE 1
- D2. ACO TRENCH DRAIN, SYSTEM 4000
- D3. OUTLET CONTROL STRUCTURE
- D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
- D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
- D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
- D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
- D8. CONNECT SUBSURFACE DRAIN(SSD)
- D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
- D10. MANHOLE
- D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
- D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
- D13. ROOF DRAIN CONNECTION AT STRUCTURE
- D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
- D15. FLAT PANEL DRAIN, 12" X 1"
- D16. END SECTION TRASH RACK AND PERMANENT TURF REINFORCEMENT MAT, SEE DETAIL
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- D18. BACKFLOW PREVENTER
- D19. 2" PERFORATED UNDERDRAINS AT MIN. 2.0% SLOPE. MINIMUM 2' OF COVER FROM SURFACE. CONNECT TO 12" UNDERDRAIN COLLECTOR WITH WYE OR TEE CONNECTION.
- D20. 12" PERFORATED COLLECTED DRAIN COLLECTOR AT MINIMUM 0.50% SLOPE. CONNECT TO SOLID 12" HDPE COLLECTOR PIPE WITH WYE OR TEE CONNECTION.
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WATER
- W1. CONTRACTOR TO LOCATE WATER MAIN AND CONFIRM SIZE AND DEPTH PRIOR TO CONSTRUCTION.
- W2. TAPPING SLEEVE AND VALVE ON EXISTING WATER LINE PER TOWN OF BROWNSBURG UTILITY. CONNECTION SHALL BE AT LEAST 5' FROM PREVIOUS CONNECTION PER WATER UTILITY.
- W3. PROVIDE 18" MIN. VERTICAL SEPARATION
- W4. PROVIDE 10' MIN. SEPARATION FROM OUTSIDE SEWER PIPE TO OUTSIDE WATERLINE PIPE
- W5. FIRE HYDRANT ASSEMBLY PER TOWN OF BROWNSBURG PAINTED RED WITH YELLOW BONNET
- W6. 2" ENDURE BLUE POLY DOMESTIC WATER LINE
- W7. WATER SPIGOT
- W8. 8" DUCTILE IRON DOMESTIC WATER LINE
- W9. 6" DUCTILE IRON FIRE HYDRANT CONNECTION LINE
- W10. REDUCER FOR 8" TO 6" WATER LINE
- W11. REDUCE FOR 6" TO 3" WATER LINE

SANITARY
- S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
- S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
- S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

ELECTRIC
- E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
- E2. LIGHT POLE. SEE SIGHT ELECTRICAL PLAN

GAS
- G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
- G2. GAS SERVICE CONNECTION, SEE MAP PLANS FOR CONTINUATION.
- G3. GAS METER. COORDINATE WITH GAS UTILITY FOR PLACEMENT AND TIMING

UTILITY
- U1. ADJUST CASTING/UTILITY TO GRADE. IF CANNOT BE ADJUSTED REPLACE STRUCTURE/UTILITY TO MEET NEW GRADE.
- U2. LOCATE UTILITY PRIOR TO PLACEMENT OF STRUCTURE. SUPPORT, PROTECT OR RELOCATE FOR NEW STRUCTURE.
- U3. REPLACE STRUCTURE TO MEET GRADE
- U4. EXISTING UTILITY LINE IS TO BE LOWERED IF STANDARD MINIMUM COVER IS NOT MAINTAINED WITH PROPOSED GRADING.
- U5. CONTRACTOR IS TO PERFORM INVESTIGATIVE HYDROVAC AT UTILITY CROSSINGS OR AREAS OF CUT BEFORE WORK BEGINS. CONCTRACTOR IS TO NOTIFY ENGINEER IS UTILITY INFORMATION DIFFERS FROM PLANS.
- U6. ADD CONCRETE COLLAR TO EXISTING STRUCTURE
- U7. PROVIDE APPROPRIATE BACKFILL OVER EXISTING UTILITIES UNDER OR WITHIN 5' OF NEW PAVEMENT
- U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

	STORM SEWER LINE
SS	SANITARY SEWER LINE
G	GAS LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
RD	ROOF DRAIN
W	WATER LINE
	VALVE
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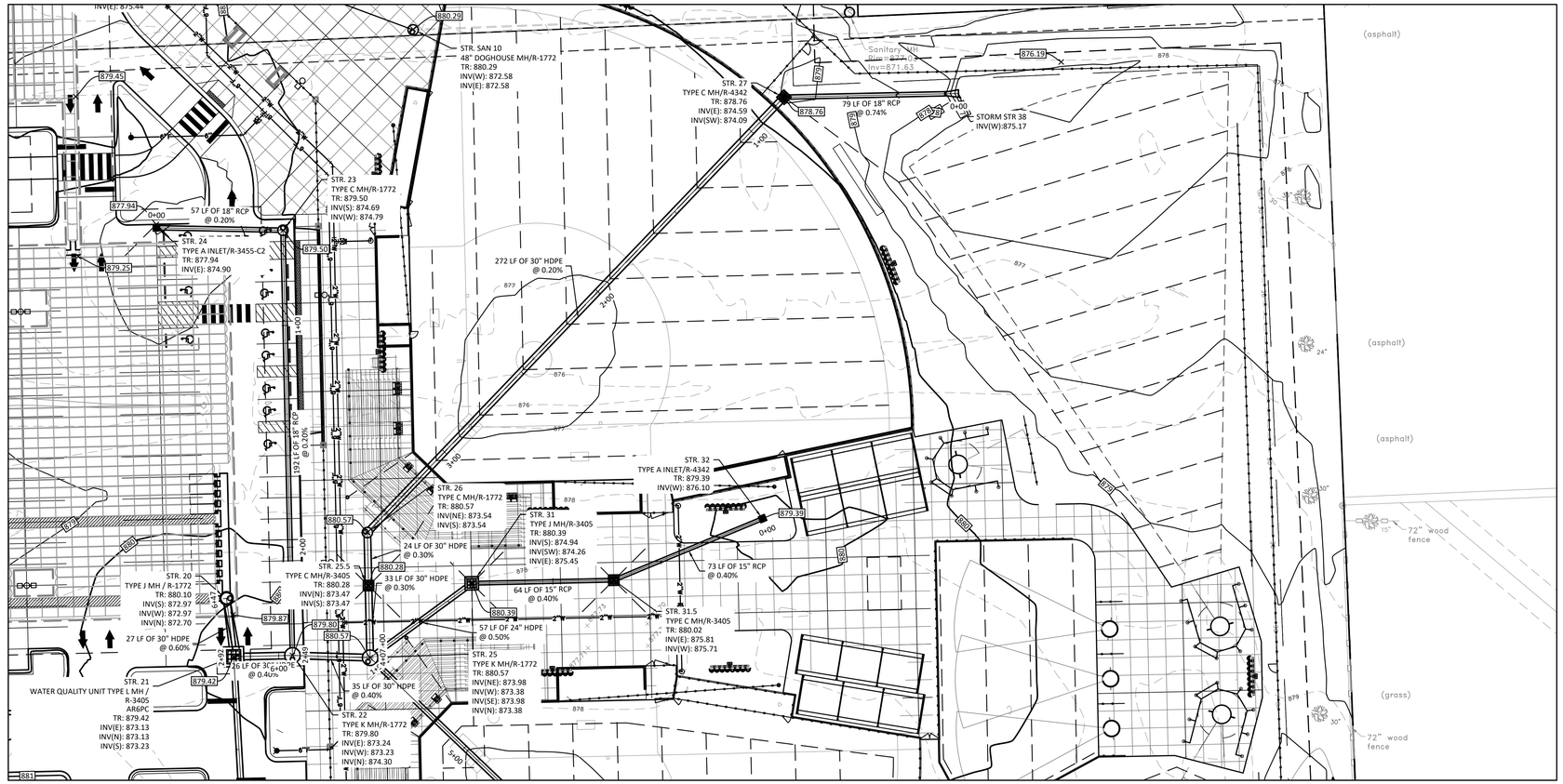
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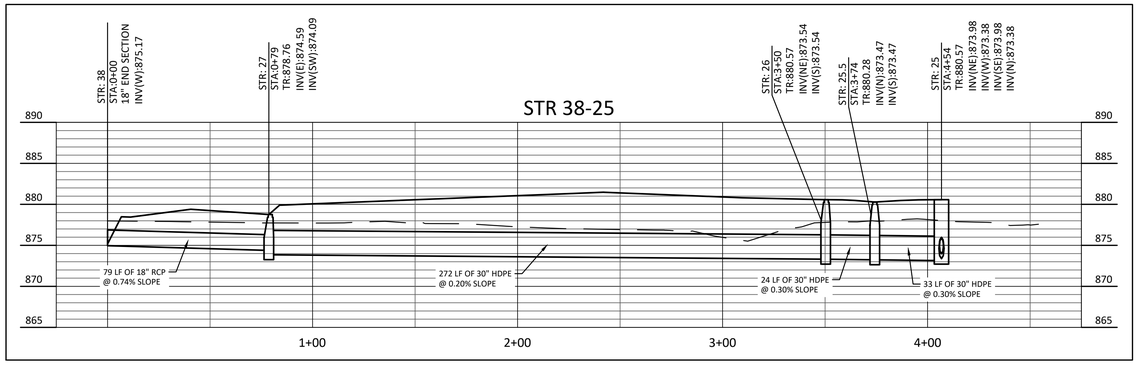
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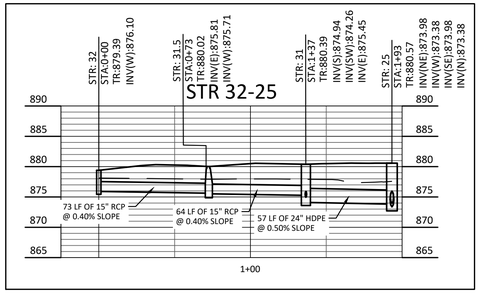
CERTIFIED BY:
KELLY ANN CANTER — REGISTERED — No. PE10903678 — STATE OF INDIANA — PROFESSIONAL ENGINEER
11/10/2025

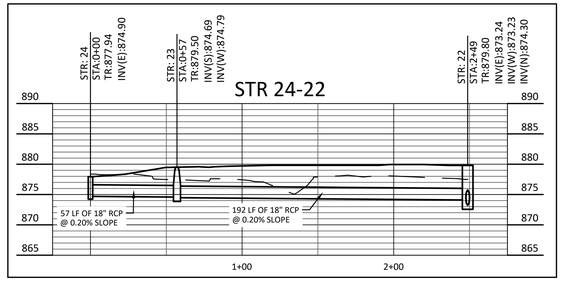
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W4. PROVIDE 10' MIN. SEPARATION FROM OUTSIDE SEWER PIPE TO OUTSIDE WATERLINE PIPE
W5. FIRE HYDRANT ASSEMBLY PER TOWN OF BROWNSBURG PAINTED RED WITH YELLOW BONNET
W6. 2" ENDURE BLUE POLY DOMESTIC WATER LINE
W7. WATER SPIGOT
W8. 8" DUCTILE IRON DOMESTIC WATER LINE
W9. 6" DUCTILE IRON FIRE HYDRANT CONNECTION LINE
W10. REDUCER FOR 8" TO 6" WATER LINE
W11. REDUCE FOR 6" TO 3" WATER LINE

SANITARY
S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

ELECTRIC
E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
E2. LIGHT POLE. SEE SIGHT ELECTRICAL PLAN

GAS
G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
G2. GAS SERVICE CONNECTION, SEE MAP PLANS FOR CONTINUATION.
G3. GAS METER. COORDINATE WITH GAS UTILITY FOR PLACEMENT AND TIMING

UTILITY
U1. ADJUST CASTING/UTILITY TO GRADE. IF CANNOT BE ADJUSTED REPLACE STRUCTURE/UTILITY TO MEET NEW GRADE.
U2. LOCATE UTILITY PRIOR TO PLACEMENT OF STRUCTURE. SUPPORT, PROTECT OR RELOCATE FOR NEW STRUCTURE.
U3. REPLACE STRUCTURE TO MEET GRADE
U4. EXISTING UTILITY LINE IS TO BE LOWERED IF STANDARD MINIMUM COVER IS NOT MAINTAINED WITH PROPOSED GRADING.
U5. CONTRACTOR IS TO PERFORM INVESTIGATIVE HYDROVAC AT UTILITY CROSSINGS OR AREAS OF CUT BEFORE WORK BEGINS. CONCTRACTOR IS TO NOTIFY ENGINEER IS UTILITY INFORMATION DIFFERS FROM PLANS.
U6. ADD CONCRETE COLLAR TO EXISTING STRUCTURE
U7. PROVIDE APPROPRIATE BACKFILL OVER EXISTING UTILITIES UNDER OR WITHIN 5' OF NEW PAVEMENT
U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

- STORM SEWER LINE
- SS — SANITARY SEWER LINE
- G — GAS LINE
- E — ELECTRIC LINE
- T — TELEPHONE LINE
- RD — ROOF DRAIN
- W — WATER LINE
- VALVE
- WATER METER PIT
- HYDRANT
- WATER SPIGOT
- CLEANOUT (STORM & SANITARY)

Indiana 811
Know what's below. Call before you dig.

PER INDIANA STATE LAW IS-69-1991. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
EP TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC GEN	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
TP	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
C L	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHE	OVERHEAD ELE. & TEL
OHE	OVERHEAD ELE TEL & CAB
E	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
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CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

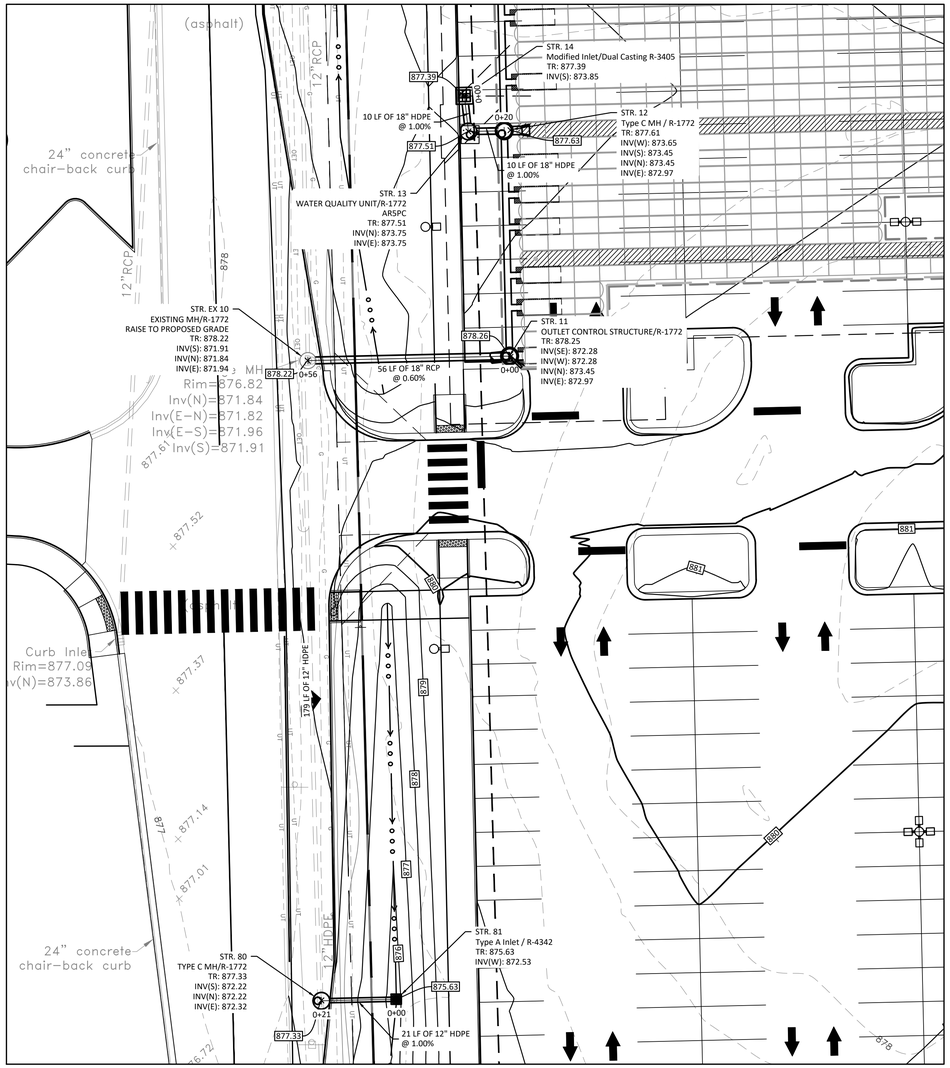
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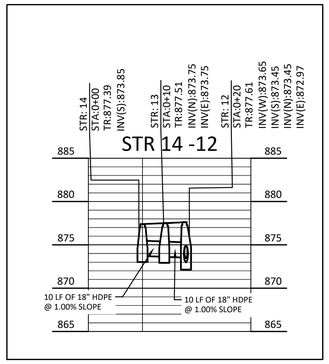
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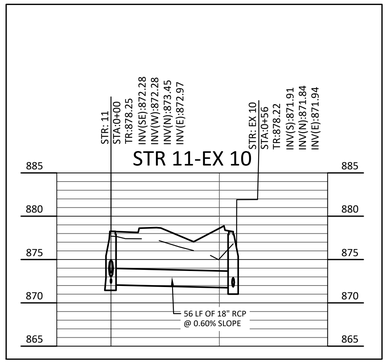
CERTIFIED BY:
KELLY ANN CANTER
REGISTERED
No. PE10803687
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

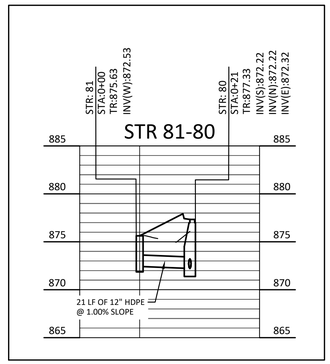
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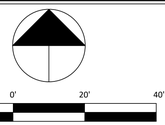
PROJECT NUMBER
2024.0150











○ KEYNOTES

DRAINAGE
- D1. STORM CLEANOUT TYPE 1
- D2. ACO TRENCH DRAIN, SYSTEM 4000
- D3. OUTLET CONTROL STRUCTURE
- D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
- D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
- D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
- D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
- D8. CONNECT SUBSURFACE DRAIN(SSD)
- D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
- D10. MANHOLE
- D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
- D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
- D13. ROOF DRAIN CONNECTION AT STRUCTURE
- D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
- D15. FLAT PANEL DRAIN, 12" X 1"
- D16. END SECTION TRASH RACK AND PERMANENT TURF REINFORCEMENT MAT, SEE DETAIL
- D17. 12"X1" FLAT PANEL DRAINS. OUTLET/CONNECTION TO DETENTION SYSTEM
- D18. BACKFLOW PREVENTER
- D19. 2" PERFORATED UNDERDRAINS AT MIN. 2.0% SLOPE. MINIMUM 2' OF COVER FROM SURFACE. CONNECT TO 12" UNDERDRAIN COLLECTOR WITH WYE OR TEE CONNECTION.
- D20. 12" PERFORATED COLLECTED DRAIN COLLECTOR AT MINIMUM 0.50% SLOPE. CONNECT TO SOLID 12" HDPE COLLECTOR PIPE WITH WYE OR TEE CONNECTION.
- D21. 12" SOLID HDPE COLLECTOR PIPE AT MINIMUM 0.5% SLOPE.

WATER
- W1. CONTRACTOR TO LOCATE WATER MAIN AND CONFIRM SIZE AND DEPTH PRIOR TO CONSTRUCTION.
- W2. TAPPING SLEEVE AND VALVE ON EXISTING WATER LINE PER TOWN OF BROWNSBURG UTILITY. CONNECTION SHALL BE AT LEAST 5' FROM PREVIOUS CONNECTION PER WATER UTILITY.
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- W4. PROVIDE 10' MIN. SEPARATION FROM OUTSIDE SEWER PIPE TO OUTSIDE WATERLINE PIPE
- W5. FIRE HYDRANT ASSEMBLY PER TOWN OF BROWNSBURG PAINTED RED WITH YELLOW BONNET
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- W7. WATER SPIGOT
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- W9. 6" DUCTILE IRON FIRE HYDRANT CONNECTION LINE
- W10. REDUCER FOR 8" TO 6" WATER LINE
- W11. REDUCE FOR 6" TO 3" WATER LINE

SANITARY
- S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
- S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
- S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

ELECTRIC
- E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
- E2. LIGHT POLE. SEE SIGHT ELECTRICAL PLAN

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- G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
- G2. GAS SERVICE CONNECTION, SEE MAP PLANS FOR CONTINUATION.
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- U7. PROVIDE APPROPRIATE BACKFILL OVER EXISTING UTILITIES UNDER OR WITHIN 5' OF NEW PAVEMENT
- U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

SS	SANITARY SEWER LINE
G	GAS LINE
E	ELECTRIC LINE
T	TELEPHONE LINE
RD	ROOF DRAIN
W	WATER LINE
	VALVE
	WATER METER PIT
	HYDRANT
	WATER SPIGOT
	CLEANOUT (STORM & SANITARY)

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BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO THE PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. EACH SUBCONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
2. ALL MATERIALS AND CONSTRUCTION FOR SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
3. ALL MATERIALS AND CONSTRUCTION FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
4. ALL MATERIALS AND CONSTRUCTION FOR WATER MAINS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
5. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVED AREAS TO BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL.
6. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
7. ANY WATER MAINS TO HAVE 54" MINIMUM COVER OVER TOP OF PIPE.
8. WATER SERVICE LINE TO THE BUILDING SHALL HAVE A SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION OUTSIDE OF THE BUILDING. (APPLIES TO COMMERCIAL ONLY)
9. STERILIZATION OF WATER MAIN SHALL BE IN ACCORDANCE WITH STATE BOARD OF HEALTH.
10. ALL UTILITY CROSSING AND CLEARANCES TO BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
11. IF EXISTING FIELD TILES ARE ENCOUNTERED DURING CONSTRUCTION THEY ARE TO BE TIED INTO THE PROPOSED STORM SEWER SYSTEM.
12. ALL SEWER PIPES UNDER OR WITHIN 5' OF PAVEMENT SHALL BE BACKFILLED WITH GRANULAR BACKFILL. FOR BACKFILL PURPOSES, PAVED SHOULDERS, CURBS, GUTTER, AND SIDE WALKS ARE CONSIDER PAVEMENT. FOR PIPES WITHIN INDIANA STATE RIGHTS-OF-WAY, BACKFILL SHALL BE PROVIDED PER INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS. LOCAL JURISDICTION REQUIREMENTS MAY DICTATE MORE STRINGENT REQUIREMENTS AT TIME OF CONSTRUCTION AND INSPECTION.
13. CONTRACTOR TO PROVIDE SURVEYED AS-BUILT/RECORD DRAWINGS OF ALL STORM SEWERS AND SANITARY SEWER MAINS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
14. CONTRACTOR SHALL BE FAMILIAR WITH TOWN OF BROWNSBURG INDIANA CONSTRUCTION STANDARDS SPECIFICATIONS AND DETAILS, REVISION 2024 OR LATEST EDITION.
15. ADDITIONAL COORDINATION WITH LANDSCAPE ARCHITECT ON UTILITY LOCATION AND PERIMETER SECURITY FENCE.
16. CONTRACTOR SHALL LOCATE UTILITIES PRIOR TO CONSTRUCTION. NOTE UTILITIES ALONG ODELL STREET VARY IN DEPTH AND ARE SHALLOW IN LOCATIONS. CONTRACTOR SHALL DAYLIGHT UTILITIES IN AREA OF CUT AND AREAS OF NEW UTILITY CROSSINGS.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
EP TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC GEN	AIR CONDITIONER / GENERATOR
M M	MAGNAIL SET/FOUND
R R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
TR TP	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
C L	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
W	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHE	OVERHEAD ELE TEL & CAB
OHE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
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317.848.7800 csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveriusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
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REVISIONS:

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11/10/2025	NCB	KAC

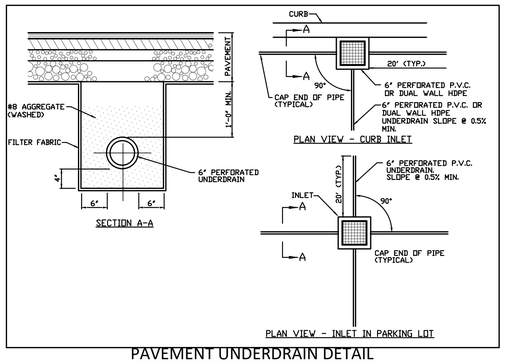
DRAWING TITLE:
STORM PROFILE PLAN

CERTIFIED BY:
KELLY ANN CARPENTER
REGISTERED
No. 21300006
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

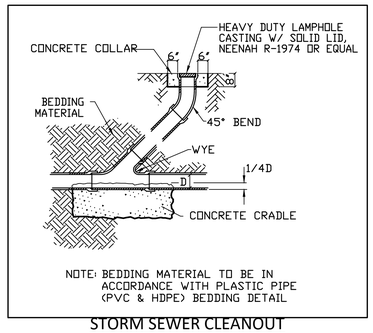
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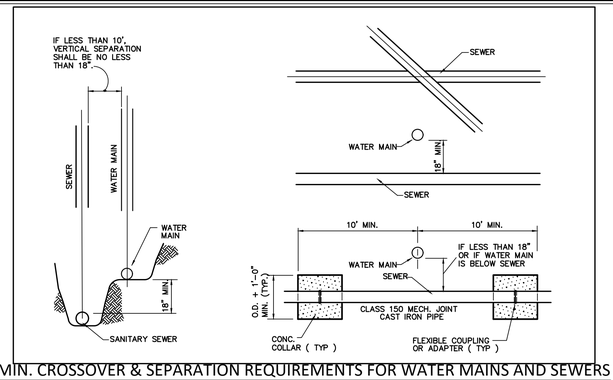
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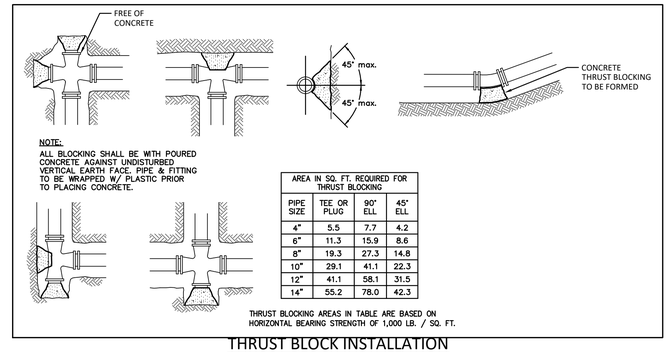
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NOT TO SCALE



STORM SEWER CLEANOUT
NOT TO SCALE



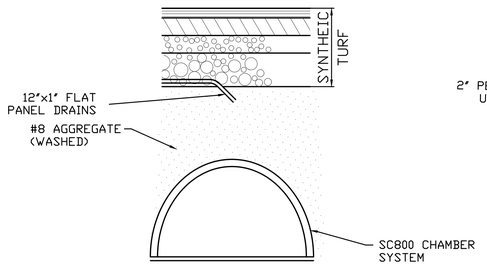
MIN. CROSSOVER & SEPARATION REQUIREMENTS FOR WATER MAINS AND SEWERS
NOT TO SCALE



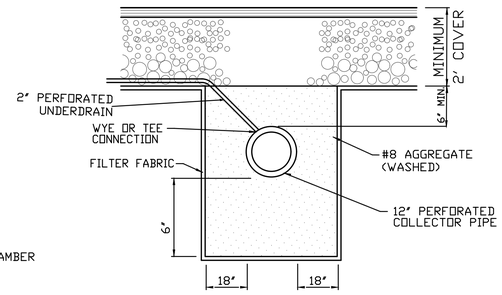
AREA IN SQ. FT. REQUIRED FOR THRUST BLOCKING

PIPE SIZE	TEE OR PLUG	90° ELL	45° ELL
4"	5.5	7.7	4.2
6"	11.3	15.9	8.6
8"	19.3	27.3	14.8
10"	29.1	41.1	22.3
12"	41.1	58.1	31.5
14"	55.2	78.0	42.3

THRUST BLOCK INSTALLATION
NOT TO SCALE

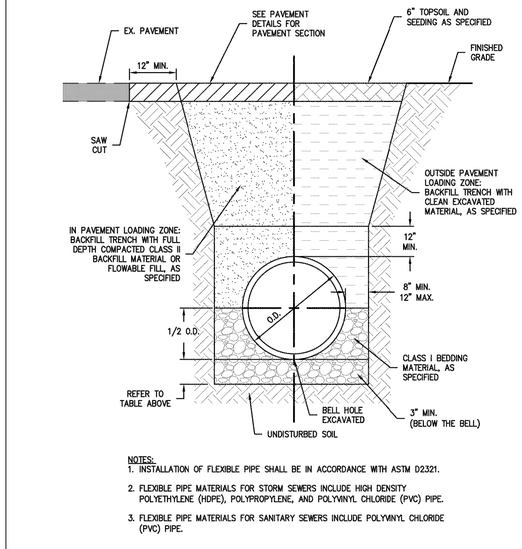


FLAT PANEL DRAIN CONNECTION TO DETENTION SYSTEM
NOT TO SCALE



NATURAL SOFTBALL FIELD DRAIN COLLECTOR DETAIL - SOUTH FIELD
NOT TO SCALE

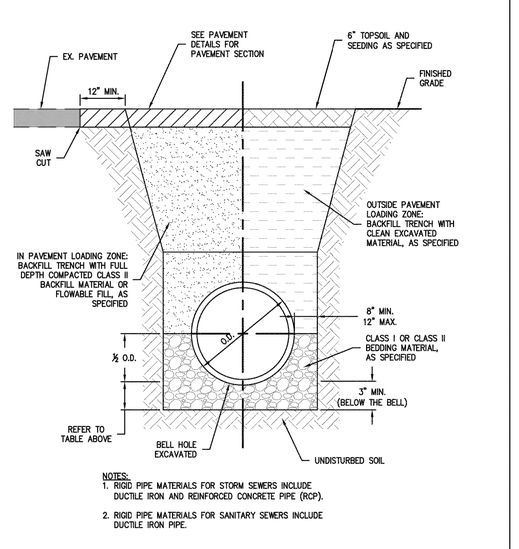
PIPE SIZE	12" TO 15"	18" TO 30"	36" & OVER
BEDDING BELOW THE PIPE BARREL	4"	O.D. / 4	8"



NOTES:
1. INSTALLATION OF FLEXIBLE PIPE SHALL BE IN ACCORDANCE WITH ASTM D2321.
2. FLEXIBLE PIPE MATERIALS FOR STORM SEWERS INCLUDE HIGH DENSITY POLYETHYLENE (HDPE), POLYPROPYLENE, AND POLYVNYL CHLORIDE (PVC) PIPE.
3. FLEXIBLE PIPE MATERIALS FOR SANITARY SEWERS INCLUDE POLYVNYL CHLORIDE (PVC) PIPE.

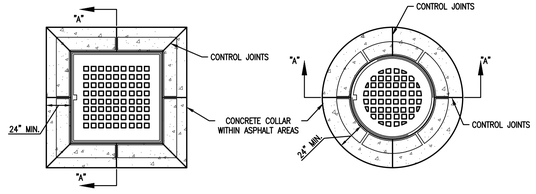
FLEXIBLE GRAVITY PIPE TRENCH
NO SCALE
DETAIL NO. OT-04
REVISION DATE: MAY 2013

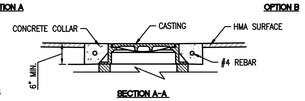
PIPE SIZE	12" TO 15"	18" TO 30"	36" & OVER
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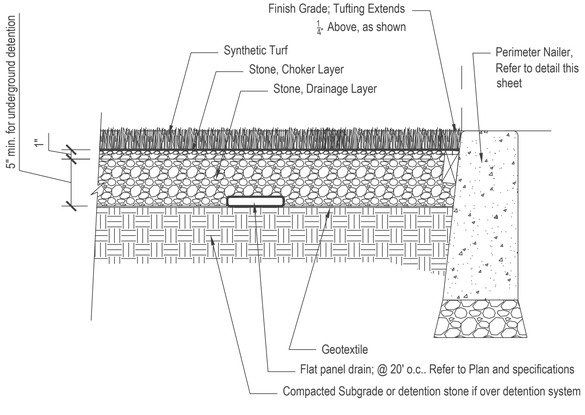
NOTES:
1. RIGID PIPE MATERIALS FOR STORM SEWERS INCLUDE DUCTILE IRON AND REINFORCED CONCRETE PIPE (RCP).
2. RIGID PIPE MATERIALS FOR SANITARY SEWERS INCLUDE DUCTILE IRON PIPE.

RIGID GRAVITY PIPE TRENCH
NO SCALE
DETAIL NO. OT-02
REVISION DATE: MAY 2013

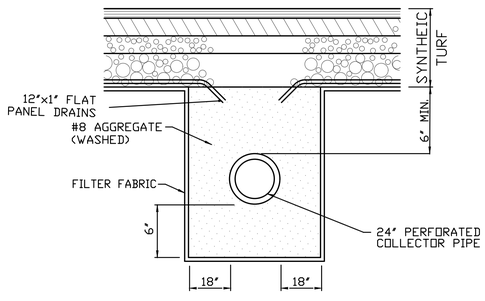




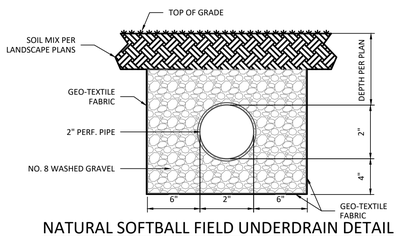
CONCRETE COLLAR
NOT TO SCALE



FOR REFERENCE SYNTHETIC TURF - TYPICAL SECTION
Scale: 1-1/2" = 1'-0"
*SEE LANDSCAPE PLANS



SYNTHETIC TURF DRAIN COLLECTOR DETAIL - NORTH SOFTBALL FIELD
NOT TO SCALE



NATURAL SOFTBALL FIELD UNDERDRAIN DETAIL
NOT TO SCALE

Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the Contract Documents, Addenda and Change Orders, contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CAMPBELL
REGISTERED
STATE OF INDIANA
No. PE10800012
PROFESSIONAL ENGINEER
APPROVAL NOT FOR CONSTRUCTION
11/10/2025

DRAWING NUMBER
C450

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:07 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\Z- DESIGN\CAD\C450 UTILITY DETAILS.DWG

PROJECT INFORMATION		
ENGINEERED PRODUCT MANAGER:	JOE ROGERS 513-645-7999 JOE.ROGERS@ADSPIPE.COM	
ADS SALES REP:	MARK VITTORI 530-854-5701 MARK.VITTORI@ADSPIPE.COM	
PROJECT NO	SHS138	

Advanced Drainage Systems, Inc.

ADS SiteAssist™ FOR STORMTECH INSTALLATION INSTRUCTIONS VISIT OUR WEBSITE

BROWNSBURG HIGH SCHOOL EAST ATHLETICS

BROWNSBURG, IN

SC-800 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-800.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". MINIMUM REQUIRED PIPE STIFFNESS SHALL BE 50 PSI (ASTM D2412) AT 5% DEFLECTION (+1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75 PSF) COVER LOAD AND 3) ALLOWABLE COVER WITH PAVED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, at the ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 700 LB/SF/IN. THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR LONG-DURATION DEAD LOAD AND 1.75 FOR SHORT-DURATION LIVE LOADS, BASED ON ASTM F2787 AND BY SECTIONS 2 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

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IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-800 SYSTEM

1. STORMTECH SC-800 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS SHOWN IN THE STORMTECH INSTALLATION GUIDE FROM THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 3" (75 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-800 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - ONLY SMALL DOZERS (LOADERS, SLUSHERS, BACKHOES, EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

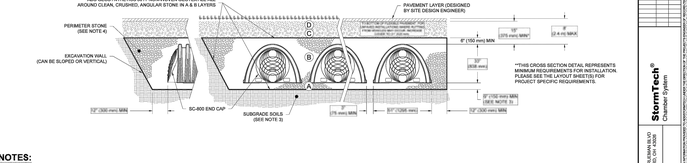
USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-800 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 15" (375 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145* A-1, A-2-4, A-3 OR AASHTO M43* 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[6]	AASHTO M43* 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[6]	AASHTO M43* 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[5,7]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) MAX LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



* THIS CROSS SECTION DETAIL REPRESENTS MINIMUM REQUIREMENTS FOR INSTALLATION. PLEASE SEE THE LAYOUT SHEET(S) FOR PROJECT SPECIFIC REQUIREMENTS.

NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS"
2. SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3" (50 mm).
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 700 LB/SF/IN, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

THIS DRAWING AND BEAN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE ADS REGISTERED ENGINEER. IT IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD TO REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD AND CONTRACTOR TO DETERMINE IF ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, REGULATIONS, AND PROJECT REQUIREMENTS ARE MET WHEN USING THIS DRAWING FOR CONSTRUCTION PURPOSES. IT IS ALSO THE RESPONSIBILITY OF THE ENGINEER OF RECORD AND CONTRACTOR TO ENSURE THAT THE PRODUCTS DETAILED ON THIS DRAWING MEET OR EXCEED ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

BROWNSBURG HIGH SCHOOL EAST ATHLETICS		
BROWNSBURG, IN		
DATE:	09.03.25	DRAWN: TSG
PROJECT #:	SHS138	CHECKED: XXX

DATE	DWN	CHK
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10/31/2025	MS	

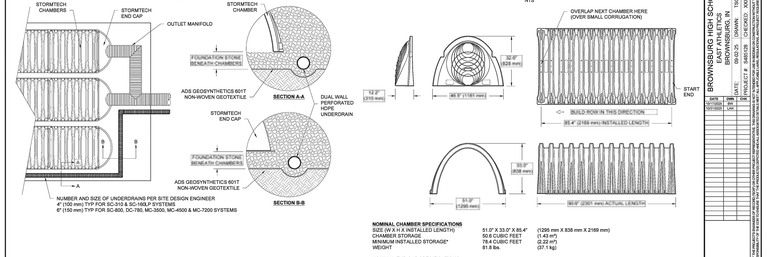
StormTech® Chamber System

4640 TRUEMAN BLVD HILLIARD, OH 43026

SHEET 12 OF 15

SC-800 TECHNICAL SPECIFICATION

NTS



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 33.0" X 85.4"	(1295 mm X 838 mm X 2169 mm)
CHAMBER STORAGE	50.8 CUBIC FEET	(1.43 m³)
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.22 m³)
WEIGHT	81.8 lbs.	(37.1 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	46.0" X 32.6" X 10.5"	(1181 mm X 828 mm X 267 mm)
END CAP STORAGE	3.4 CUBIC FEET	(0.09 m³)
MINIMUM INSTALLED STORAGE**	14.7 CUBIC FEET	(0.42 m³)
WEIGHT	15.7 lbs	(7.1 kg)

* ASSUMES 9" (150 mm) STONE ABOVE AND BELOW CHAMBER, 3" (75 mm) BETWEEN CHAMBERS
** ASSUMES 9" (150 mm) STONE ABOVE AND BELOW END CAPS, 3" (75 mm) BETWEEN ROWS, 12" (300 mm) BEYOND END CAPS

PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "EPC"
PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "TPC"

PART #	STUB	B	C
SC800EPE06TPC	6" (150 mm)	21.4" (544 mm)	0.9" (23 mm)
SC800EPE06BPC			
SC800EPE08TPC	8" (200 mm)	19.2" (488 mm)	—
SC800EPE08BPC			1.0" (25 mm)
SC800EPE10TPC	10" (250 mm)	17.0" (432 mm)	—
SC800EPE10BPC			1.2" (30 mm)
SC800EPE12TPC	12" (300 mm)	14.4" (366 mm)	—
SC800EPE12BPC			1.6" (41 mm)
SC800EPE15TPC	15" (375 mm)	11.3" (287 mm)	—
SC800EPE15BPC			1.7" (43 mm)
SC800EPE18TPC	18" (460 mm)	8.0" (203 mm)	—
SC800EPE18BPC			2.0" (51 mm)
SCX800CE2	24" (600 mm)	—	2.3" (58 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL



BROWNSBURG HIGH SCHOOL EAST ATHLETICS		
BROWNSBURG, IN		
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10/31/2025	MS	

StormTech® Chamber System

4640 TRUEMAN BLVD HILLIARD, OH 43026

SHEET 14 OF 15

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ACCESS PIPES
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - a. MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - b. FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

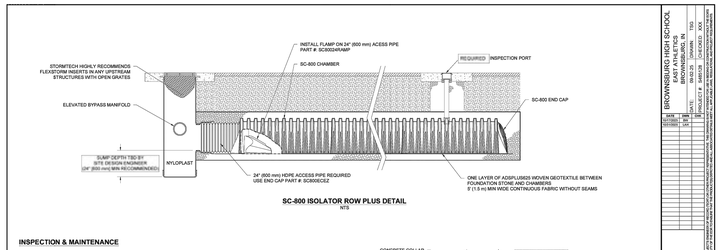
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

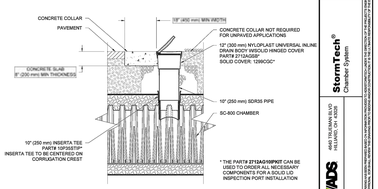
NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



SC-800 ISOLATOR ROW PLUS DETAIL

NTS



SC-800 10" (250 mm) INSPECTION PORT DETAIL

NTS

BROWNSBURG HIGH SCHOOL EAST ATHLETICS		
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10/31/2025	LAH	

StormTech® Chamber System

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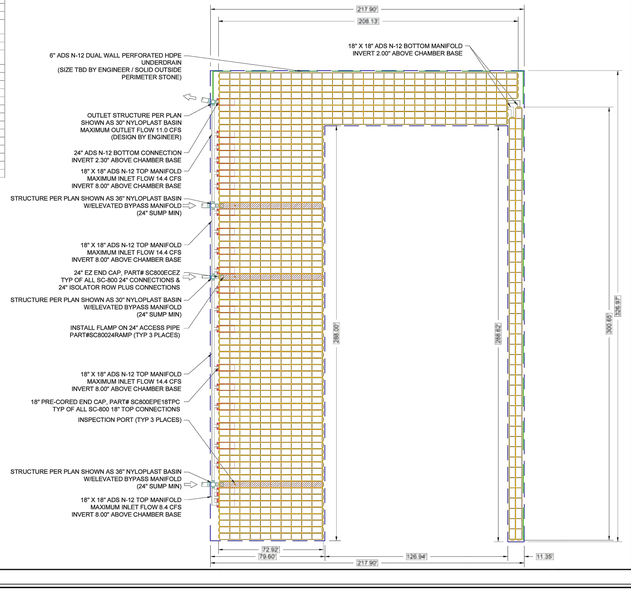
SHEET 13 OF 15

PROPOSED LAYOUT: NORTH BED

951	STORMTECH SC-800 CHAMBERS
148	STORMTECH SC-800 END CAPS
35	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
114,431	**INSTALLED SYSTEM VOLUME (CF)(PERIMETER STONE INCLUDED)**
34558	SYSTEM AREA (ft²)
1696	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS: NORTH BED

884.70	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
878.45	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
877.95	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
877.95	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
877.95	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
879.62	TOP OF STONE
878.70	TOP OF SC-800 CHAMBER
874.62	18" TOP MANIFOLD/CONNECTION INVERT
874.14	24" BOTTOM MANIFOLD/CONNECTION INVERT
874.14	24" ISOLATOR ROW PLUS CONNECTION INVERT
874.12	18" BOTTOM MANIFOLD INVERT
873.95	BOTTOM OF SC-800 CHAMBER
873.45	UNDERDRAIN INVERT
873.45	BOTTOM OF STONE



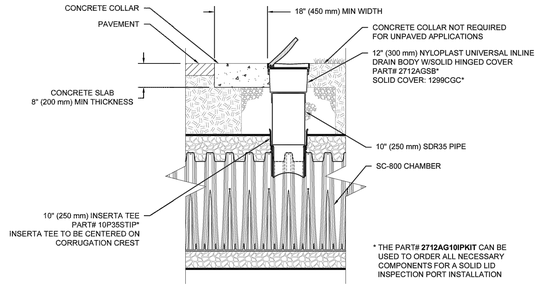
BROWNSBURG HIGH SCHOOL EAST ATHLETICS		
BROWNSBURG, IN		
DATE:	09.03.25	DRAWN: TSG
PROJECT #:	SHS138	CHECKED: XXX

DATE	DWN	CHK
10/1/2025	BW	
10/31/2025	LAH	

StormTech® Chamber System

4640 TRUEMAN BLVD HILLIARD, OH 43026

SHEET 3 OF 15



SC-800 10" (250 mm) INSPECTION PORT DETAIL

NTS

10" INSPECTION PORT DETAIL SC-800 CHAMBER

DATE:	11/14/23
DRAWN:	JLM
PROJECT #:	
CHECKED:	CJD

THIS DRAWING AND BEAN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE ADS REGISTERED ENGINEER. IT IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD TO REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD AND CONTRACTOR TO DETERMINE IF ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, REGULATIONS, AND PROJECT REQUIREMENTS ARE MET WHEN USING THIS DRAWING FOR CONSTRUCTION PURPOSES. IT IS ALSO THE RESPONSIBILITY OF THE ENGINEER OF RECORD AND CONTRACTOR TO ENSURE THAT THE PRODUCTS DETAILED ON THIS DRAWING MEET OR EXCEED ALL APPLICABLE LOCAL, STATE AND FEDERAL LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.

StormTech® Chamber System

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866.900.2694
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1

NORTH SIDE DETENTION SYSTEM
NOT TO SCALE

Brownsburg Community School Corporation
Higher Achievement • Together

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project construction. While believed correct, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

| ISS

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER:	JOE ROGERS 317-417-0385 JOE.ROGERS@ADSPIPE.COM
ADS SALES REP:	MARK VITTORI 630-854-9781 MARK.VITTORI@ADSPIPE.COM
PROJECT NO:	6485128

Advanced Drainage Systems, Inc.

ADS SiteAssist FOR STORMTECH INSTALLATION INSTRUCTIONS VISIT OUR WEBSITE

BROWNSBURG HIGH SCHOOL EAST ATHLETICS

BROWNSBURG, IN

SC-800 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-800.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBER ROWS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". MINIMUM REQUIREMENTS FOR: 1) STANDARD 2-LANE HS20 TRUCK WINDROW (+1 MINI AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD HAS 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 700 LBS/FT/%, THE ARC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS.
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR ALL LOAD CONFIGURATIONS, DESIGN METHODS AND LOAD FACTORS SPECIFIED IN ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.02 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

800.821.6105 | INC.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-800 SYSTEM

1. STORMTECH SC-800 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONE/SHOOTER LOCATED OFF THE CHAMBER BED.
   - RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATOR SITUATED ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 3" (75 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-800 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

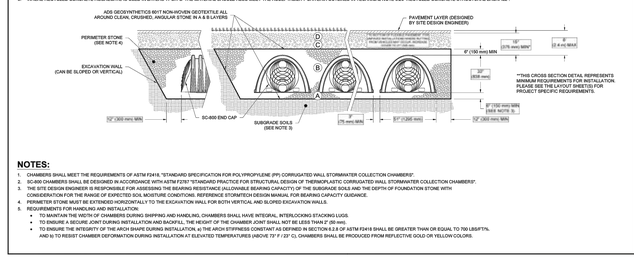
USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-800 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B) LAYER TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 7, 76, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A) LAYER[2] TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[3]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[3]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[3,4]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'D' LAYER MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.25 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



* THIS CROSS SECTION DETAIL REPRESENTS MINIMUM REQUIREMENTS FOR INSTALLATION. PLEASE SEE THE LAYOUT SHEET(S) FOR PROJECT SPECIFIC REQUIREMENTS.

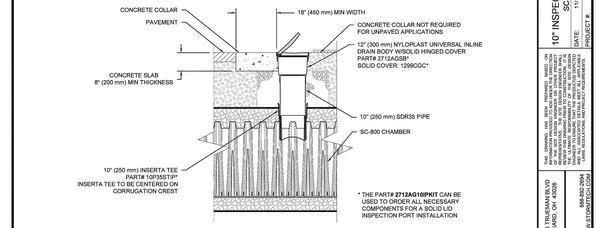
NOTES:

1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2" (50 mm).
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 700 LBS/FT/%, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

BROWNSBURG HIGH SCHOOL EAST ATHLETICS — BROWNSBURG, IN — PROJECT #: 6485128 — DATE: 09.02.23 — DRAWN: TSO — CHECKED: XXX

StormTech® Chamber System — ADS — 4640 TRUEMAN BLVD HILLIARD, OH 43026

SHEET 12 OF 15



* THE PART# **2712AG10PKIT** CAN BE USED TO ORDER ALL NECESSARY COMPONENTS FOR A SOLID LID INSPECTION PORT INSTALLATION

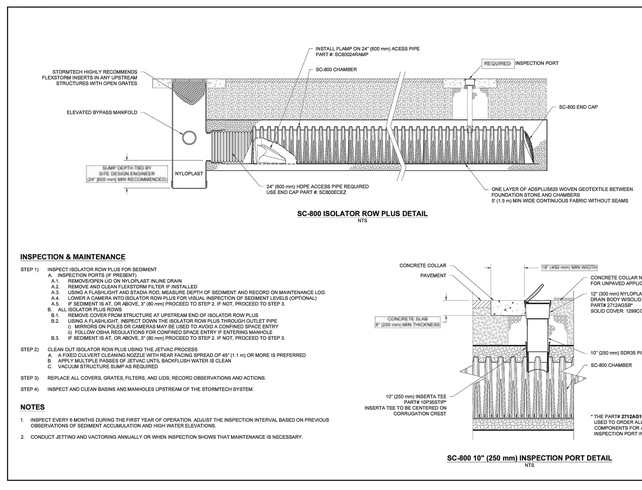
SC-800 10" (250 mm) INSPECTION PORT DETAIL
NTS

BROWNSBURG HIGH SCHOOL EAST ATHLETICS — BROWNSBURG, IN — PROJECT #: 6485128 — DATE: 09.02.23 — DRAWN: TSO — CHECKED: XXX

10" INSPECTION PORT DETAIL — SC-800 CHAMBER SYSTEM — DATE: 09.02.23 — DRAWN: JLM — PROJECT #: 6485128 — CHECKED: KJD

NOTE: ANSI/ASTM, AWS, NSTA, WORKERS, BASED ON INFORMATION AND BELIEF AS OF THE DATE OF THE APPLICABLE EDITION OF THE CODE AT THE TIME OF THE DESIGN. NO WARRANTY OR GUARANTEE IS EXPRESSED OR IMPLIED. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION, INCLUDING SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE LAWS, REGULATIONS, AND INDUSTRY STANDARDS.

1



SC-800 ISOLATOR ROW PLUS DETAIL
NTS

INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE LID AND GRATE FROM TOP OF ISOLATOR INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER (IF INSTALLED)
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1. REMOVE COVER FROM DOWNSTREAM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING CAMERA OR MIRROR, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

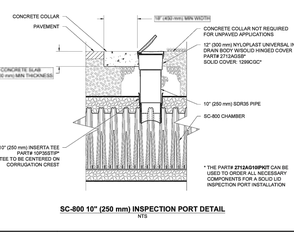
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



* THE PART# **2712AG10PKIT** CAN BE USED TO ORDER ALL NECESSARY COMPONENTS FOR A SOLID LID INSPECTION PORT INSTALLATION

SC-800 10" (250 mm) INSPECTION PORT DETAIL
NTS

BROWNSBURG HIGH SCHOOL EAST ATHLETICS — BROWNSBURG, IN — PROJECT #: 6485128 — DATE: 09.02.23 — DRAWN: TSO — CHECKED: XXX

StormTech® Chamber System — ADS — 4640 TRUEMAN BLVD HILLIARD, OH 43026

SHEET 13 OF 15

UNDERDRAIN DETAIL

NTS

NUMBER AND SIZE OF UNDERDRAINS PER SITE DESIGN ENGINEER
4" (100 mm) TYP FOR SC-310 & SC-160LP SYSTEMS
6" (150 mm) TYP FOR SC-800, DC-780, MC-3500, MC-4500 & MC-7200 SYSTEMS

SC-800 TECHNICAL SPECIFICATION

NTS

NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 33.0" X 85.4"	(1296 mm X 838 mm X 2169 mm)
CHAMBER STORAGE	50.6 CUBIC FEET	(1.43 m³)
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.22 m³)
WEIGHT	81.8 lbs.	(37.1 kg)

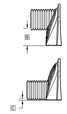
NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	46.5" X 32.6" X 10.5"	(1181 mm X 828 mm X 267 mm)
END CAP STORAGE	3.4 CUBIC FEET	(0.09 m³)
MINIMUM INSTALLED STORAGE**	14.7 CUBIC FEET	(0.42 m³)
WEIGHT	15.7 lbs.	(7.1 kg)

* ASSUMES 6" (150 mm) STONE ABOVE AND BELOW CHAMBER, 3" (75 mm) BETWEEN CHAMBERS
**ASSUMES 9" (150 mm) STONE ABOVE AND BELOW END CAPS, 3" (75 mm) BETWEEN ROWS, 12" (300 mm) BEYOND END CAPS

PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "BPC"
PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "TPC"

PART #	STUB	B	C
SC800EPE06TPC	6" (150 mm)	21.4" (544 mm)	0.9" (23 mm)
SC800EPE06BPC		—	—
SC800EPE08TPC	8" (200 mm)	19.2" (488 mm)	1.0" (25 mm)
SC800EPE08BPC		—	—
SC800EPE10TPC	10" (250 mm)	17.0" (432 mm)	1.2" (30 mm)
SC800EPE10BPC		—	—
SC800EPE12TPC	12" (300 mm)	14.4" (366 mm)	1.6" (41 mm)
SC800EPE12BPC		—	—
SC800EPE15TPC	15" (375 mm)	11.3" (287 mm)	1.7" (43 mm)
SC800EPE15BPC		—	—
SC800EPE18TPC	18" (450 mm)	8.0" (203 mm)	2.0" (51 mm)
SC800EPE18BPC		—	—
SC800ECEZ	24" (600 mm)	—	2.3" (58 mm)



NOTE: ALL DIMENSIONS ARE NOMINAL

BROWNSBURG HIGH SCHOOL EAST ATHLETICS — BROWNSBURG, IN — PROJECT #: 6485128 — DATE: 09.02.23 — DRAWN: TSO — CHECKED: XXX

StormTech® Chamber System — ADS — 4640 TRUEMAN BLVD HILLIARD, OH 43026

SHEET 14 OF 15

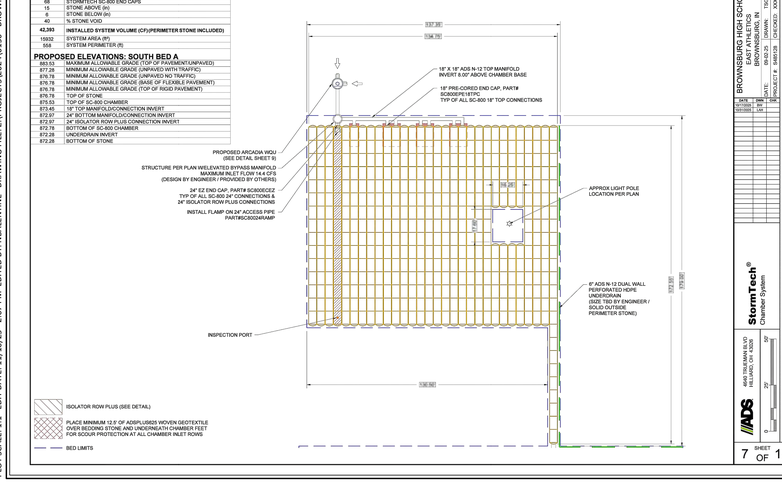
PROPOSED LAYOUT: SOUTH BED A

447	STORMTECH SC-800 CHAMBERS
68	STORMTECH SC-800 END CAPS
15	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
42,593	**INSTALLED SYSTEM VOLUME (CF)(PERIMETER STONE INCLUDED)**
15932	SYSTEM AREA (ft²)
558	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS: SOUTH BED A

883.53	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
877.28	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
876.78	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
876.78	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
876.78	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
876.78	TOP OF STONE
876.53	TOP OF SC-800 CHAMBER
873.45	18" TOP MANIFOLD/CONNECTION INVERT
872.97	24" BOTTOM MANIFOLD/CONNECTION INVERT
872.97	24" ISOLATOR ROW PLUS CONNECTION INVERT
872.78	BOTTOM OF SC-800 CHAMBER
872.28	UNDERDRAIN INVERT
872.28	BOTTOM OF STONE

NOTES
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.



BROWNSBURG HIGH SCHOOL EAST ATHLETICS — BROWNSBURG, IN — PROJECT #: 6485128 — DATE: 09.02.23 — DRAWN: TSO — CHECKED: XXX

StormTech® Chamber System — ADS — 4640 TRUEMAN BLVD HILLIARD, OH 43026

SHEET 7 OF 15

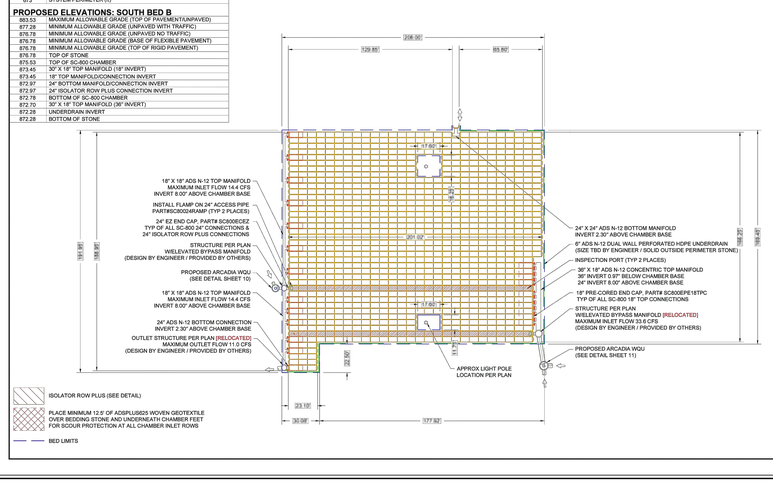
PROPOSED LAYOUT: SOUTH BED B

1,014	STORMTECH SC-800 CHAMBERS
100	STORMTECH SC-800 END CAPS
15	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
94,775	**INSTALLED SYSTEM VOLUME (CF)(PERIMETER STONE INCLUDED)**
35429	SYSTEM AREA (ft²)
673	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS: SOUTH BED B

883.53	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
877.28	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
876.78	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
876.78	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
876.78	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
876.78	TOP OF STONE
876.53	TOP OF SC-800 CHAMBER
873.45	30" X 18" TOP MANIFOLD (18" INVERT)
873.45	18" TOP MANIFOLD/CONNECTION INVERT
872.97	24" BOTTOM MANIFOLD/CONNECTION INVERT
872.97	24" ISOLATOR ROW PLUS CONNECTION INVERT
872.78	BOTTOM OF SC-800 CHAMBER
872.70	30" X 18" TOP MANIFOLD (36" INVERT)
872.28	UNDERDRAIN INVERT
872.28	BOTTOM OF STONE

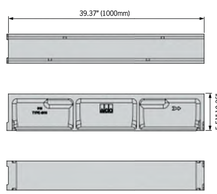
NOTES
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.


208.58'
129.85'
85.80'
18" X 18" ADS N-12 TOP MANIFOLD MAXIMUM INLET FLOW 14.4 CFS INVERT 8.00" ABOVE CHAMBER BASE
INSTALL FLAMP ON 24" ACCESS PIPE PART#SC800DARAMP (TYP 2 PLACES)
24" EZ END CAP, PART# SC800ECEZ TYP OF ALL SC-800 24" CONNECTIONS & 24" ISOLATOR ROW PLUS CONNECTIONS
STRUCTURE PER PLAN W/ELEVATED BYPASS MANIFOLD (DESIGN BY ENGINEER / PROVIDED BY OTHERS)
PROPOSED ARCADIA WQU (SEE DETAIL SHEET 10)
18" X 18" ADS N-12 TOP MANIFOLD MAXIMUM INLET FLOW 14.4 CFS INVERT 8.00" ABOVE CHAMBER BASE
24" ADS N-12 BOTTOM CONNECTION INVERT 2.30" ABOVE CHAMBER

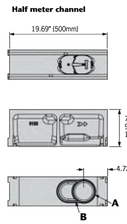
ACO SPORT

System 4000 - Open channel trench drain system

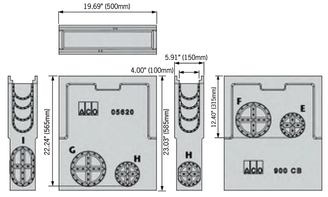
One meter channel



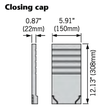
Half meter channel



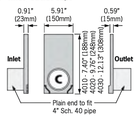
In-line catch basin



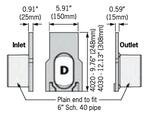
Closing cap



4" Inlet/outlet caps



6" Oval Inlet/outlet caps



Outlet flow rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Bottom outlet - 40103	4" round	6.50	117	0.26
A	Bottom outlet - 40303	4" round	11.22	185	0.41
B	Bottom outlet - 40103	6" oval	6.50	183	0.40
B	Bottom outlet - 40303	6" oval	11.22	288	0.64
C	Outlet cap - 4010	4" round	6.50	119	0.27
C	Outlet cap - 4030	4" round	11.22	168	0.39
D	Outlet cap - 4020	6" oval	8.86	220	0.50
D	Outlet cap - 4030	6" oval	11.22	248	0.57
E	Inline catch basin*	4" round	12.40	175	0.40
F	Inline catch basin*	6" round	12.40	379	0.87
G	Inline catch basin*	6" round	22.24	530	1.22
H	Inline catch basin*	4" round	22.24	242	0.54
I	Inline catch basin*	6" oval	22.24	372	0.86

* Inline catch basin flow rate without trash bucket - using trash bucket reduces flow

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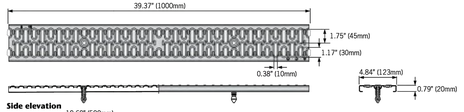
April 2018

ACO Specification Information

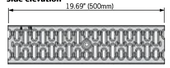
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Slotted galvanized steel grate details

Plan view

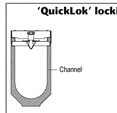


Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grates				
Slotted galvanized steel grate	**31530**	39.37 (1000)	4.84 (123)	5.9
Slotted galvanized steel grate	**31531**	19.69 (500)	4.84 (123)	3.0
QuickLok locking bar	**02899**	-	-	0.2
QuickLok grate removal hook	**01319**	-	-	0.6

'QuickLok' locking mechanism



ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed to the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

ACO, Inc.

West Sales Office
825 W Beechcroft Street
Casa Grande, AZ 85122
Tel: (520) 421-9988
Toll Free: (888) 490-9552
Fax: (520) 421-9899

Northeast Sales Office
9470 Pinecone Drive
Mentor, OH 44060
Tel: (440) 639-7230
Toll free: (800) 543-4764
Fax: (440) 639-7235

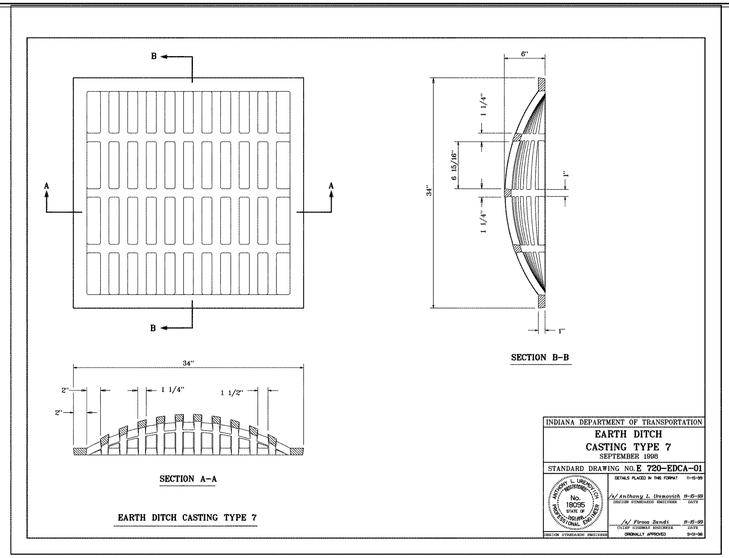
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4211 Pleasant Road
Fort Mill, SC 29708
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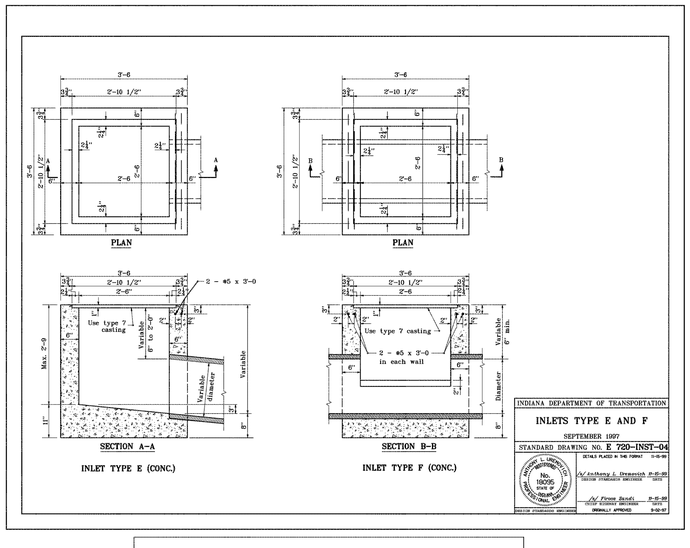
Electronic Contact:
info@ACOSport.us
www.ACOSport.us

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SPEC ACO INFO

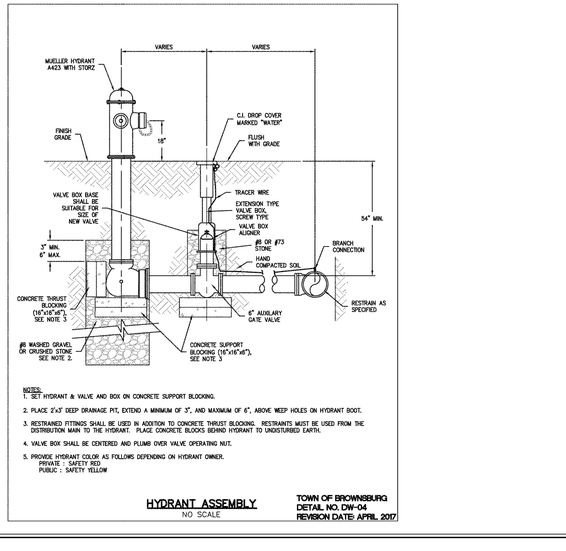


INDIANA DEPARTMENT OF TRANSPORTATION
EARTH DITCH
CASTING TYPE 7
SEPTEMBER 1998
STANDARD DRAWING NO. E 720-EDCA-01
DETAILS PLACED IN THE FORMAT 11-15-99
No. 19095 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER
/s/ Anthony L. Dranovich 11-15-99
/s/ Firoz Zaveri 11-15-99
ORIGINALLY APPROVED 9-01-98



INDIANA DEPARTMENT OF TRANSPORTATION
INLETS TYPE E AND F
SEPTEMBER 1997
STANDARD DRAWING NO. E 720-INST-04
DETAILS PLACED IN THE FORMAT 11-15-99
No. 19095 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER
/s/ Anthony L. Dranovich 11-15-99
/s/ Firoz Zaveri 11-15-99
ORIGINALLY APPROVED 9-01-97

INLET TYPE E (CONC.)
INLET TYPE F (CONC.)



NOTES:
1. SET HYDRANT & VALVE AND BOX ON CONCRETE SUPPORT BLOCKING.
2. PLACE 2'x3' DEEP DRAINAGE PIT, EXTEND A MINIMUM OF 3', AND MAXIMUM OF 6', ABOVE WEEP HOLES ON HYDRANT BOOT.
3. RESTRAINED FITTINGS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKING. RESTRAINTS MUST BE USED FROM THE DISTRIBUTION MAIN TO THE HYDRANT. PLACE CONCRETE BLOCKS BEHIND HYDRANT TO UNDISTURBED EARTH.
4. VALVE BOX SHALL BE CENTERED AND PLUMB OVER VALVE OPERATING NUT.
5. PROVIDE HYDRANT COLOR AS FOLLOWS DEPENDING ON HYDRANT OWNER.
PRIVATE - SAFETY RED
PUBLIC - SAFETY YELLOW

HYDRANT ASSEMBLY
NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. DW-04
REVISION DATE: APRIL 2017

ACO SPORT

System 4000 Open channel trench drain system

Description	Part No	Invert Depth inches	Invert Depth mm	Overall Depth inches	Overall Depth mm	Wgt lbs
4000-1 Sloped channel - 39.37" (1meter)	**138001**	4.61	117	5.51	140	32.0
4002 Constant depth channel - 39.37" (1meter)	**06562**	**4.61**	**117**	**5.51**	**140**	**32.9**
4000-2 Sloped channel - 39.37" (1meter)	**138002**	4.84	123	5.75	146	32.9
4000-3 Sloped channel - 39.37" (1meter)	**138003**	5.08	129	5.98	152	33.8
4000-4 Sloped channel - 39.37" (1meter)	**138004**	5.31	135	6.22	158	34.7
4000-5 Sloped channel - 39.37" (1meter)	**138005**	5.55	141	6.46	164	35.6
4000-6 Sloped channel - 39.37" (1meter)	**138006**	5.79	147	6.69	170	36.5
4000-7 Sloped channel - 39.37" (1meter)	**138007**	6.02	153	6.93	176	37.4
4000-8 Sloped channel - 39.37" (1meter)	**138008**	6.26	159	7.17	182	38.3
4000-9 Sloped channel - 39.37" (1meter)	**138009**	6.50	165	7.40	188	39.2
4010 Constant depth channel - 39.37" (1meter)	**06561**	**6.90**	**165**	**7.40**	**188**	**40.1**
40103 Constant depth channel - 19.69" (0.5meter)	**138033**	**6.50**	**165**	**7.40**	**188**	**23.0**
4000-10 Sloped channel - 39.37" (1meter)	**138010**	6.73	171	7.64	194	40.1
4000-11 Sloped channel - 39.37" (1meter)	**138011**	6.97	177	7.87	200	41.0
4000-12 Sloped channel - 39.37" (1meter)	**138012**	7.20	183	8.11	206	41.9
4000-13 Sloped channel - 39.37" (1meter)	**138013**	7.44	189	8.35	212	42.8
4000-14 Sloped channel - 39.37" (1meter)	**138014**	7.68	195	8.58	218	43.7
4000-15 Sloped channel - 39.37" (1meter)	**138015**	7.91	201	8.82	224	44.6
4000-16 Sloped channel - 39.37" (1meter)	**138016**	8.15	207	9.06	230	45.5
4000-17 Sloped channel - 39.37" (1meter)	**138017**	8.39	213	9.29	236	46.4
4000-18 Sloped channel - 39.37" (1meter)	**138018**	8.62	219	9.53	242	47.3
4000-19 Sloped channel - 39.37" (1meter)	**138019**	8.86	225	9.76	248	48.2
4020 Constant depth channel - 39.37" (1meter)	**06563**	**8.86**	**225**	**9.76**	**248**	**49.1**
40203 Constant depth channel - 19.69" (0.5meter)	**138035**	**8.86**	**225**	**9.76**	**248**	**26.0**
4000-20 Sloped channel - 39.37" (1meter)	**138020**	9.09	231	10.00	254	49.1
4000-21 Sloped channel - 39.37" (1meter)	**138021**	9.33	237	10.24	260	50.0
4000-22 Sloped channel - 39.37" (1meter)	**138022**	9.57	243	10.47	266	50.9
4000-23 Sloped channel - 39.37" (1meter)	**138023**	9.80	249	10.71	272	51.8
4000-24 Sloped channel - 39.37" (1meter)	**138024**	10.04	255	10.94	278	52.7
4000-25 Sloped channel - 39.37" (1meter)	**138025**	10.28	261	11.18	284	53.6
4000-26 Sloped channel - 39.37" (1meter)	**138026**	10.51	267	11.42	290	54.5
4000-27 Sloped channel - 39.37" (1meter)	**138027**	10.75	273	11.65	296	55.6
4000-28 Sloped channel - 39.37" (1meter)	**138028**	10.98	279	11.89	302	56.5
4000-29 Sloped channel - 39.37" (1meter)	**138029**	11.22	285	12.13	308	57.4
4030 Constant depth channel - 39.37" (1meter)	**138036**	**11.22**	**285**	**12.13**	**308**	**58.3**
40303 Constant depth channel - 19.69" (0.5meter)	**138037**	**11.22**	**285**	**12.13**	**308**	**31.0**
4000-30 Sloped channel - 39.37" (1meter)	**138030**	11.46	291	12.36	314	59.2
Catch basin						
Inline catch basin - 19.69" (0.5m)	**05620**	22.13	562	23.03	585	62.0
QuickLok bar (removable)	**98717**	-	-	-	-	0.1
Series 900 plastic trash bucket	**01498**	-	-	-	-	1.1
6" oval to round adapter (fits outlets B & I)	**95140**	-	-	-	-	1.1
Accessories						
Debris strainer for 4" bottom knockout (fits outlet A)	**93488**	-	-	-	-	0.2
Universal closing end cap	**137090**	-	-	12.13	308	4.5
104-4 Inlet cap with 4" schedule 40 pipe	**137091**	6.50	165	7.40	188	2.6
108-4 Outlet cap with 4" schedule 40 pipe	**137092**	6.50	165	7.40	188	2.0
204-4 Inlet cap with 4" schedule 40 pipe	**137093**	8.86	225	9.76	248	3.7
208-4 Outlet cap with 4" schedule 40 pipe	**137094**	8.86	225	9.76	248	2.6
204-6 Inlet end cap with 6" schedule 35 pipe	**137099**	8.86	225	9.76	248	3.3
208-6 Outlet end cap with 6" schedule 35 pipe	**137095**	8.86	225	9.76	248	2.6
304-4 Inlet cap with 4" schedule 40 pipe	**137096**	11.22	285	12.13	308	4.6
308-4 Outlet cap with 4" schedule 40 pipe	**137097**	11.22	285	12.13	308	3.3
304-6 Inlet end cap with 6" schedule 35 pipe	**137100**	11.22	285	12.13	308	4.4
308-6 Outlet end cap with 6" schedule 35 pipe	**137098**	11.22	285	12.13	308	3.3

Notes:
1. Preformed 4" dia. & 6" flumed drill-out outlet cast on underside of half meter channels only.
2. Closing cap can be cut down to suit all channels.
3. Invert depths are at the male (downstream) end - subtract 0.24" (6mm) for female invert depth **EXCEPT** constant depth channels where the invert is the same both ends.

Part I - General

1.1 **Related Work** - Work specified in other sections includes: Excavation and backfill, cast-in-place concrete, and mechanical equipment.

1.2 **System Description** - Interconnecting, polymer concrete modular trench drainage system.

1.3 **Submittals** - On request, shop drawings showing schematic plan of total drainage system listing all parts with center-line dimensions. Copies of manufacturer's recommended installation instructions.

1.4 **Project History** - Manufacturer to provide list of installed projects, if required.

1.5 **Warranty** - Limited one year product warranty based on installation according to manufacturer's installation instructions (see below).

Part II - Product

2.1 **Products** - Manufactured by ACO, Inc.

2.2 **Physical & Mechanical Characteristics**
- Overall width - 5.91 inches (150mm)
- Internal width - 4.00 inches (100mm)
- Unit depth - varies - see Product Table
- Unit length - 39.37 inches (1000mm), or 19.69" (500mm)
- Compressive strength - 14,000 psi
- Flexural strength - 4,000 psi
- Water absorption rate - <0.1% by weight.
- ADA compliant to American Disabilities Act of 1990 Section 4.5.4 with appropriate grate (4940/4950)

2.3 **Channel Profile** - Each unit features a full radius in trench bottom, and male to female interconnecting ends. Horizontal cast-in anchoring features on outside walls to ensure maximum mechanical bond to surrounding bedding material.

2.4 **Catch Basins** - Manufactured from polymer concrete, be one half meter (19.69") in length and include a trash bucket (optional).

2.5 **Grates** - A choice of QuickLok grates are available. See separate Spec Info sheets for details.

Part III - Installation

3.1 **Site Preparation** - Excavate area to accommodate ACO SPORT System 4000 channel and to allow a minimum of 4 inches (100mm) concrete encasement (recommended 4,000psi on 3 sides to provide necessary support. Top of channel must be evenly aligned to surface of surrounding slab. See installation section for haunch details for different loadings & pavement materials.

3.2 **Installation** - Start at outlet or catch basin. Insert channels from above to allow ends to interconnect. Channel sections shall be placed on brick, rebar basket, install device, or low slump concrete slurry to obtain correct finished elevation. Cutting will be made, if required, by masonry or concrete saw. Protect channel from concrete splash during concrete pour. Place concrete in a manner that will not dislodge channels.

3.3 **Finishing and Clean-up** - Following final set of concrete, remove channel protection and thoroughly flush system to remove debris.

3.4 Install in strict accordance with manufacturer's recommendations and drawings. Full details available at **www.ACOSport.us.**

ACO, Inc.

West Sales Office
825 W Beechcroft Street
Casa Grande, AZ 85122
Tel: (520) 421-9988
Toll Free: (888) 490-9552
Fax: (520) 421-9899

Northeast Sales Office
9470 Pinecone Drive
Mentor, OH 44060
Tel: (440) 639-7230
Toll free: (800) 543-4764
Fax: (440) 639-7235

Southeast Sales Office
4211 Pleasant Road
Fort Mill, SC 29708
Toll free: (800) 543-4764
Fax: (803) 802-1063

Follow us on

Electronic Contact:
info@ACOSport.us
www.ACOSport.us

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Re-order A5022

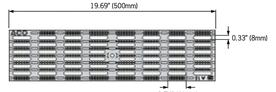
SPEC ACO INFO

April 2018

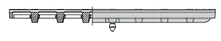
ACO SPORT

ADA plastic grate details

Plan view

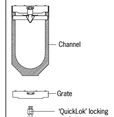


Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grates				
ADA black plastic grate	**97393**	19.69 (500)	4.84 (123)	1.8
ADA gray plastic grate	**97385**	19.69 (500)	4.84 (123)	1.8
QuickLok locking bar	**02899**	-	-	0.2
QuickLok grate removal hook	**01318**	-	-	0.6

'QuickLok' locking mechanism



ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed to the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

ACO, Inc.

West Sales Office
825 W Beechcroft Street
Casa Grande, AZ 85122
Tel: (520) 421-9988
Toll Free: (888) 490-9552
Fax: (520) 421-9899

Northeast Sales Office
9470 Pinecone Drive
Mentor, OH 44060
Tel: (440) 639-7230
Toll free: (800) 543-4764
Fax: (440) 639-7235

Southeast Sales Office
4211 Pleasant Road
Fort Mill, SC 29708
Toll free: (800) 543-4764
Fax: (803) 802-1063

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Electronic Contact:
info@ACOSport.us
www.ACOSport.us

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SPEC ACO INFO

Brownsburg Community School Corporation
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8831 Keystone Crossing, Indianapolis, IN 64240
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5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
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REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
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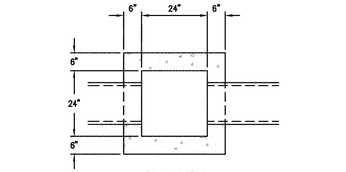
DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CAMPBELL
REGISTERED
No. PE10800018
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

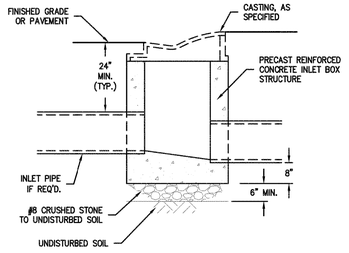
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C453

PROJECT NUMBER
2024.0150

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PLAN VIEW



ELEVATION VIEW

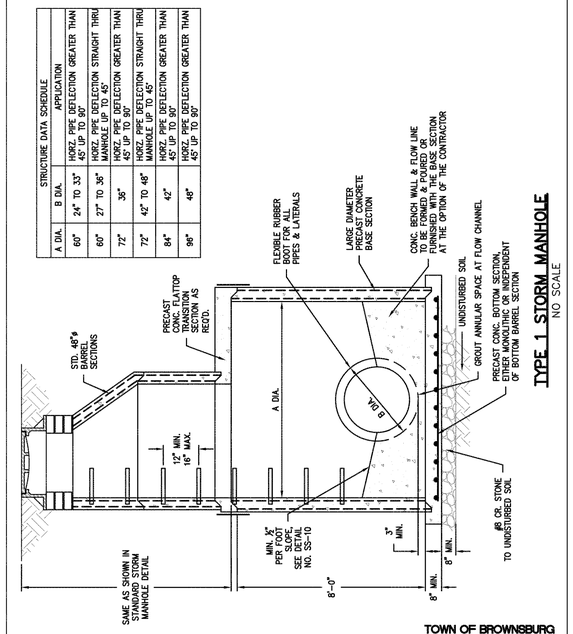
NOTES:
1. PROVIDE GRATE CASTING WITH A POLLUTION PREVENTION MESSAGE AND ICON WHICH ARE PERMANENTLY ATTACHED OR CAST DIRECTLY INTO THE CASTING. THE CASTING SHALL HAVE THE MESSAGE "DUMP NO WASTE <FISH ICON> DRAINS TO WATERWAY" IN MINIMUM 1 INCH HIGH LETTERS.
2. INSTALL CASTING ½" BELOW FINISHED PAVEMENT ELEVATION.

INLET TYPE A

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SW-13
REVISION DATE: SEPT 2016

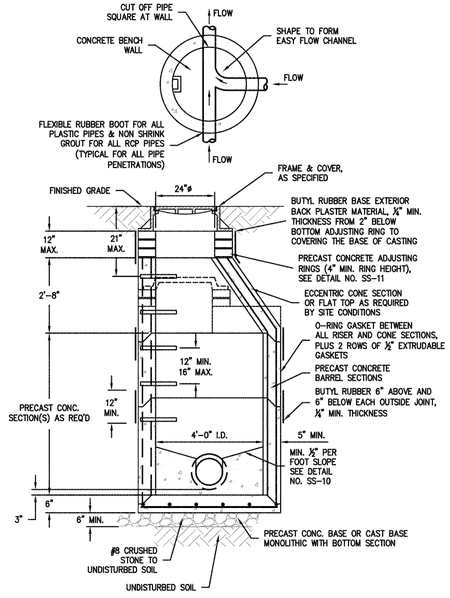
STRUCTURE DATA SCHEDULE		
A DIA.	B DIA.	APPLICATION
60"	24" TO 33"	HORZ. PIPE DEFLECTION GREATER THAN 45° UP TO 90°
60"	27" TO 36"	HORZ. PIPE DEFLECTION STRAIGHT THRU MANHOLE UP TO 45°
72"	36"	HORZ. PIPE DEFLECTION GREATER THAN 45° UP TO 90°
72"	42" TO 48"	HORZ. PIPE DEFLECTION STRAIGHT THRU MANHOLE UP TO 45°
84"	42"	HORZ. PIPE DEFLECTION GREATER THAN 45° UP TO 90°
96"	48"	HORZ. PIPE DEFLECTION GREATER THAN 45° UP TO 90°



TYPE 1 STORM MANHOLE

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SW-12
REVISION DATE: SEPT 2016

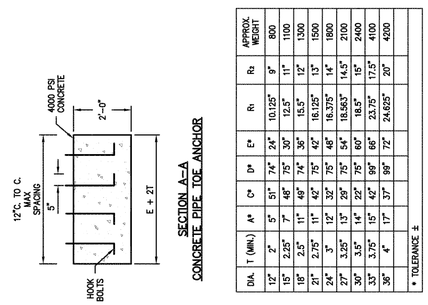


NOTES:
1. PROVIDE GRATE CASTING WITH A POLLUTION PREVENTION MESSAGE AND ICON WHICH ARE PERMANENTLY ATTACHED OR CAST DIRECTLY INTO THE CASTING. THE CASTING SHALL HAVE THE MESSAGE "DUMP NO WASTE <FISH ICON> DRAINS TO WATERWAY" IN MINIMUM 1 INCH HIGH LETTERS.
2. INSTALL CASTING ½" BELOW FINISHED PAVEMENT ELEVATION.

STANDARD STORM MANHOLE

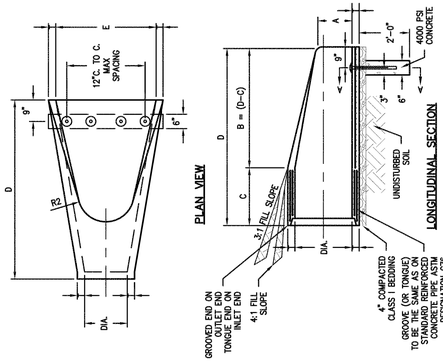
NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SW-11
REVISION DATE: SEPT 2016



SECTION A–A
CONCRETE PIPE TOE ANCHOR

DIA	T (MIN.)	A*	C*	D*	E*	R₁	R₂	APPROX. WEIGHT
12"	2"	5"	5''	74"	24"	10.125"	9"	800
15"	2.25"	7"	8"	75"	30"	12.5"	11"	1100
18"	2.5"	11"	8"	74"	36"	15.5"	12"	1300
21"	2.75"	11"	11"	75"	42"	18.125"	13"	1500
24"	3"	12"	12"	75"	48"	18.375"	14"	1800
27"	3.25"	13"	13"	75"	54"	18.563"	14.5"	2100
30"	3.5"	14"	22"	75"	60"	18.5"	15"	2400
33"	3.75"	15"	8"	74"	66"	23.75"	17.5"	4100
36"	4"	17"	37"	89"	72"	24.625"	20"	4200
						* TOLERANCE ±		



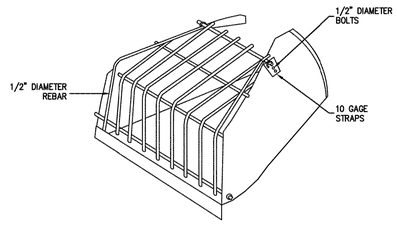
PLAN VIEW

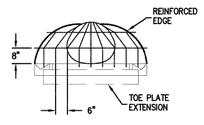
LONGITUDINAL SECTION

PRECAST CONCRETE END SECTION

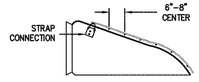
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TOWN OF BROWNSBURG
DETAIL NO. SW-09
REVISION DATE: SEPT 2016





ELEVATION



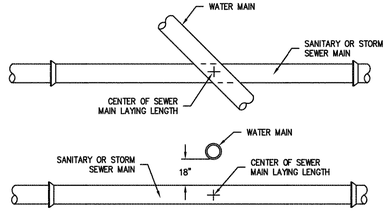
CROSS SECTION

NOTES:
1. TRASH RACK BARS TO BE BLACK STEEL.
2. PAINT WITH HIGH ZINC COATING AFTER FABRICATION.
3. PLANT FIT TRASH RACK CONFIGURATION.
4. BOLT THROUGH BOTTOM SECTION WITH NUT.
5. LAY OPEN ON BOTTOM FOR "HINGE" EFFECT.
6. LAST CROSS BAR THROUGH BOTTOM SECTION.
7. DETAIL APPLIES TO PIPES 18" AND LARGER AND ARE REQUIRED ON INLETS AND OUTLETS (BOTH ENDS OF THE PIPE) FOR CULVERT PIPES.

TRASH GUARD

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SW-10
REVISION DATE: SEPT 2016



NOTES:
1. WATER MAIN AND SEWER MINIMUM SEPARATION: 18" VERTICAL SEPARATION 10'–0" HORIZONTAL SEPARATION.

MINIMUM CROSSOVER AND SEPARATION REQUIREMENTS FOR SEWER & WATER MAINS

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. GE-02
REVISION DATE: SEPT 2016

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:07 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2. DESIGN\CAD\C450 UTILITY DETAILS.DWG

Brownsburg Community School Corporation
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Indianapolis, IN 46216
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PROJECT:
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EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
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SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

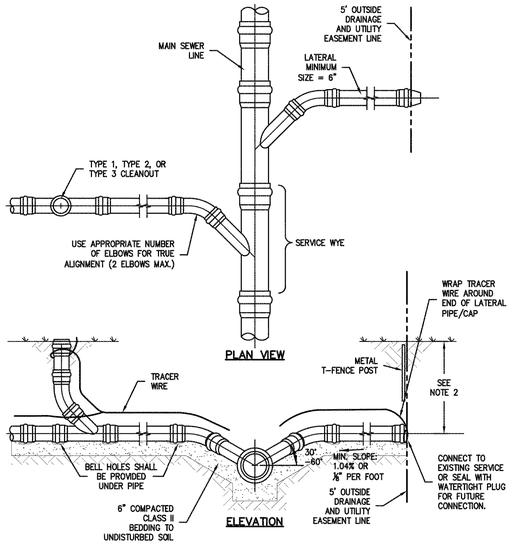
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CANNING
REGISTERED
No. PE10903662
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED / RECOMMENDED FOR CONSTRUCTION
11/10/2025

DRAWING NUMBER
C454

PROJECT NUMBER
2024.0150

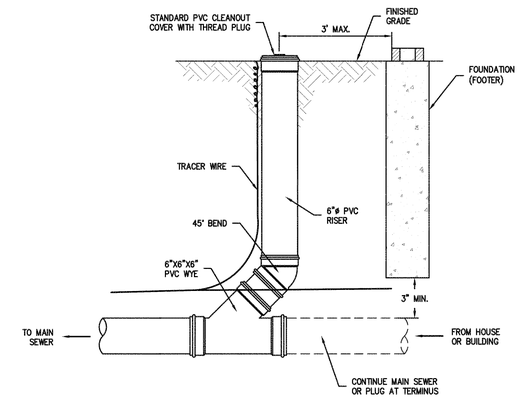


NOTES:
1. WYE BRANCHES SHALL BE INSTALLED WHERE INDICATED. THEY SHALL BE EXTENDED TO PROPERTY LINES OR TO DISTANCES AS SHOWN ON THE DRAWINGS, AND SHALL BE OF 6" PIPE UNLESS OTHERWISE SHOWN.
2. THE DEPTH OF THE LATERAL SHALL BE APPROXIMATELY 5'-0" UNLESS SEWER DEPTH IS LESS, IN WHICH EVENT A MINIMUM SLOPE OF 1/8" PER 1'-0" SHALL BE USED. THE DEPTH OF THE LATERAL SHALL BE NO LESS THAN 5'-0".
3. COMPACTION OF BEDDING AND BACKFILL IS CRITICAL UNDER WYE AND BEND. IF PROPER COMPACTION CANNOT BE ACHIEVED, PLACE A MIN. OF 6" OF CLASS B CONCRETE AROUND BEND.

SANITARY LATERAL FOR SHALLOW SEWERS (LESS THAN 15' DEEP)

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SS-01
REVISION DATE: SEPT 2016

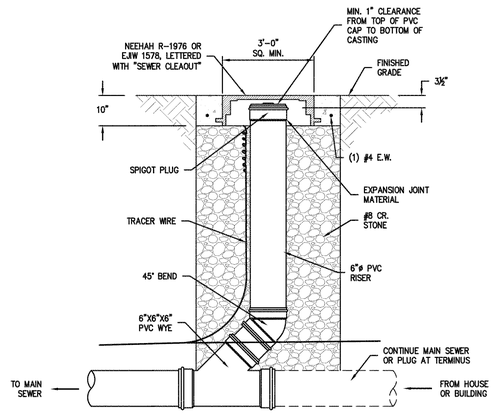


NOTES:
1. FOR USE IN LAWN OR LANDSCAPED SURFACES (LESS THAN 3' FROM HOUSE OR BUILDING).

TYPE 1 CLEANOUT

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SS-03
REVISION DATE: SEPT 2016

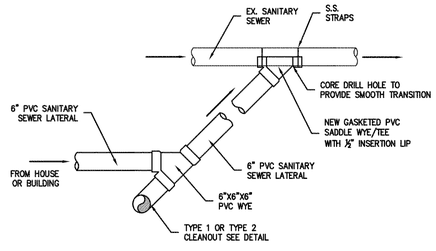


NOTES:
1. FOR USE IN PAVED AREAS.
2. CONCRETE APRON AND CASTING SHALL BE INSTALLED SO THAT THEY DO NOT CONTACT THE CLEANOUT RISER PIPE OR CAP.

TYPE 2 CLEANOUT

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SS-04
REVISION DATE: SEPT 2016

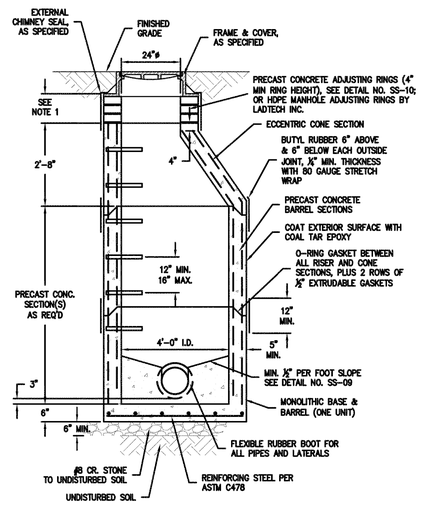


NOTES:
1. NEW CORE DRILL MUST BE A MINIMUM 6" FROM NEAREST PIPE JOINT.

NEW SERVICE CONNECTION TO EXISTING SANITARY SEWER

NO SCALE

DETAIL NO. SS-06
REVISION DATE: MAY 2013



NOTES:
1. FOR NEW CONSTRUCTION 8' MAX. CHIMNEY HEIGHT. FOR EXISTING MANHOLES, 12' MAX. CHIMNEY HEIGHT.

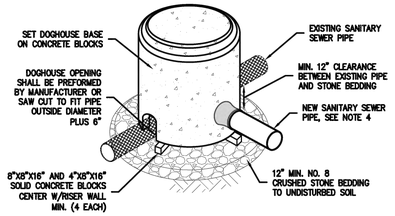
STANDARD SANITARY MANHOLE

NO SCALE

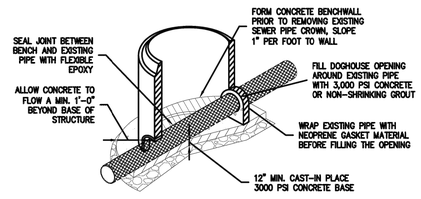
REFER TO SPEC SECTION 02730

TOWN OF BROWNSBURG
DETAIL NO. SS-06
REVISION DATE: FEBRUARY 2024

Town standards can be found at www.brownsburg.org



DOGHOUSE MANHOLE BASE



FOUNDATION SECTION VIEW

NOTES:
1. REQUIRES PRE-APPROVAL BY TOWN OF BROWNSBURG.
2. MANHOLE CONSTRUCTION AND ACCESSORIES ABOVE BASE SAME AS SHOWN FOR STANDARD SANITARY MANHOLE.
3. CONSTRUCT A FORMED INVERT FROM NEW SEWER LINE TO ALLOW FLOW TO THE EXISTING PIPE.
4. CUT AND REMOVE THE TOP HALF OF EXISTING PIPE TO WITHIN 6" OF THE MANHOLE WALLS AFTER THE INVERT AND SHELF HAVE BEEN FORMED AND THE MANHOLE HAS BEEN FULLY TESTED IN ACCORDANCE WITH THESE SPECIFICATIONS.
5. PROVIDE ADEQUATE PIPE SUPPORT DURING CONSTRUCTION TO PREVENT PIPE DAMAGE.

DOGHOUSE MANHOLE OVER EXISTING SANITARY SEWER

NO SCALE

REFER TO SPEC SECTION 02730

TOWN OF BROWNSBURG
DETAIL NO. SS-11
REVISION DATE: FEBRUARY 2024

Town standards can be found at www.brownsburg.org

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11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CANTER
REGISTERED
No. PE10800016
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVED FOR CONSTRUCTION
11/10/2025

DRAWING NUMBER
C455

PROJECT NUMBER
2024.0150

ARCADIA SPECIFICATIONS

MATERIALS AND DESIGN

CONCRETE STRUCTURES: DESIGNED FOR H-20 AND/OR HS-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.

HP MANHOLE STRUCTURES: MADE FROM AN IMPACT MODIFIED COPOLYMER POLYPROPYLENE MEETING THE MATERIAL REQUIREMENTS OF ASTM F2764. THE ECCENTRIC CONE REDUCER SHALL BE MANUFACTURED FROM POLYETHYLENE MATERIAL MEETING ASTM D3350 CELL CLASS 213320C. GASKETS SHALL BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF ASTM F477.

PERFORMANCE

THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.

THE STORMWATER TREATMENT UNIT INTERNALS SHALL CONSIST OF (1) SEPARATOR ASSEMBLY,

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.

-OR -

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.

-OR -

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL.

MANUFACTURER

EACH STORMWATER TREATMENT SYSTEM SHALL BE AN ARCADIA SYSTEM AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS™, 2650 HAMILTON-EATON RD., HAMILTON, OH, 45011.

ARCADIA MAINTENANCE

ARCADIA SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH EXCEEDS 18 INCHES. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF THE UNIT.

MAINTENANCE INSTRUCTIONS

1. REMOVE THE MANHOLE COVER TO PROVIDE ACCESS TO THE POLLUTANT STORAGE. POLLUTANTS ARE STORED IN THE SUMP, BELOW THE BOWL ASSEMBLY VISIBLE FROM THE SURFACE. YOU'LL ACCESS THIS AREA THROUGH THE CENTER ACCESS CYLINDER.
2. USE A VACUUM TRUCK OR OTHER SIMILAR EQUIPMENT TO REMOVE ALL WATER, DEBRIS, OILS AND SEDIMENT.
3. USE A HIGH PRESSURE HOSE TO CLEAN THE MANHOLE OF ALL THE REMAINING SEDIMENT AND DEBRIS. THEN, USE THE VACUUM TRUCK TO REMOVE THE WATER.
4. FILL THE CLEANED MANHOLE WITH WATER UNTIL THE LEVEL REACHES THE INVERT OF THE OUTLET PIPE.
5. REPLACE THE MANHOLE COVER.
6. DISPOSE OF THE POLLUTED WATER, OILS, SEDIMENT AND TRASH AT AN APPROVED FACILITY.
   - LOCAL REGULATIONS PROHIBIT THE DISCHARGE OF SOLID MATERIAL INTO THE SANITARY SYSTEM. CHECK WITH THE LOCAL SEWER AUTHORITY FOR AUTHORITY TO DISCHARGE THE LIQUID.
   - SOME LOCALITIES TREAT THE POLLUTANTS AS LEACHATE. CHECK WITH LOCAL REGULATORS ABOUT DISPOSAL REQUIREMENTS.
   - ADDITIONAL LOCAL REGULATIONS MAY APPLY TO THE MAINTENANCE PROCEDURE.

ARCADIA INSTALLATION NOTES

INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED BY CALLING ADVANCED DRAINAGE SYSTEMS AT (800) 821-6710 OR BY LOGGING ON TO WWW.ADSPIPE.COM.

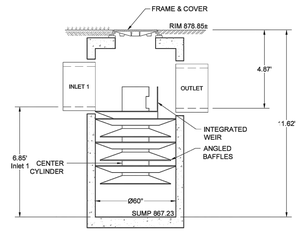
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ARCADIA AR5PC — STR-44

TREATMENT RATE (OK-110 80% REMOVAL)		4.30 CFS
BYPASS RATE		---

		DIAMETER	PIPE MATERIAL	INVERT
INLET	1	30"	HDPE	874.08
	2			
	3			
	4			
OUTLET		30"	HDPE	873.98

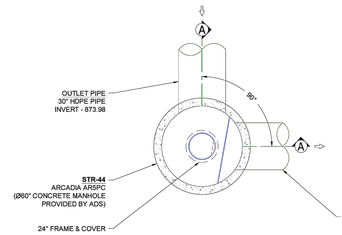
Required Treatment Rate = 3.85 cfs



PROFILE VIEW
NTS

PRODUCT SPECIFICATIONS

- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
- THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY VERIFIED TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 MG/L INFLUENT CONCENTRATION. FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
  -OR -
  THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH D50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION PER CURRENT NJDEP/NJCAT HDS PROTOCOL.



SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09-02-25 | DRAWN: TSG | PROJECT # S485128 | CHECKED: XXX

DATE	DWN	CHK
10/17/2025	BW	
10/31/2025	LAH	

ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

0 4' 8'

4 SHEET OF 15

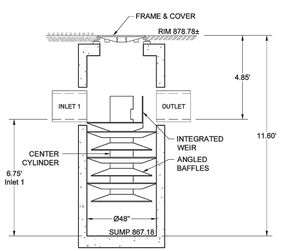
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ARCADIA AR4PC — STR-91

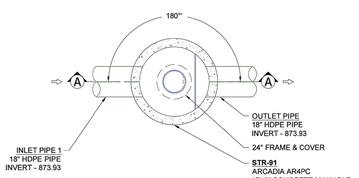
TREATMENT RATE (OK-110 80% REMOVAL)		2.75 CFS
BYPASS RATE		---

		DIAMETER	PIPE MATERIAL	INVERT
INLET	1	18"	HDPE	873.93
	2			
	3			
	4			
OUTLET		18"	HDPE	873.93

Required Treatment Rate = 1.49 cfs



PROFILE VIEW
NTS



SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

PRODUCT SPECIFICATIONS

- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
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  -OR -
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BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09-02-25 | DRAWN: TSG | PROJECT # S485128 | CHECKED: XXX

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10/31/2025	LAH	

ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

AS NOTED

5 SHEET OF 15

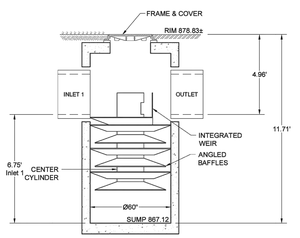
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ARCADIA AR5PC — STR-51

TREATMENT RATE (OK-110 80% REMOVAL)		4.30 CFS
BYPASS RATE		---

		DIAMETER	PIPE MATERIAL	INVERT
INLET	1	30"	HDPE	873.87
	2			
	3			
	4			
OUTLET		30"	HDPE	873.87

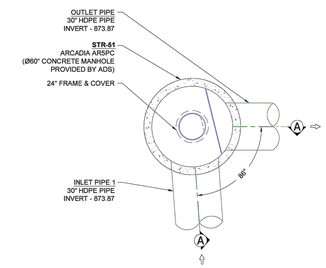
Required Treatment Rate = 2.38 cfs



PROFILE VIEW
NTS

PRODUCT SPECIFICATIONS

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  THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH D50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION PER CURRENT NJDEP/NJCAT HDS PROTOCOL.



SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09-02-25 | DRAWN: TSG | PROJECT # S485128 | CHECKED: XXX

DATE	DWN	CHK
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ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

0 4' 8'

6 SHEET OF 15

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PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:07 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C450 UTILITY DETAILS.DWG

Brownsburg Community School Corporation
Higher Achievement • Together

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8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required to fulfill the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CARLING – REGISTERED – No. 21300366 – STATE OF INDIANA – PROFESSIONAL ENGINEER
APPROVED FOR CONSTRUCTION
11/10/2025

DRAWING NUMBER
C456

PROJECT NUMBER
2024.0150

ARCADIA SPECIFICATIONS

MATERIALS AND DESIGN

CONCRETE STRUCTURES: DESIGNED FOR H-20 AND/OR HS-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.

HP MANHOLE STRUCTURES: MADE FROM AN IMPACT MODIFIED COPOLYMER POLYPROPYLENE MEETING THE MATERIAL REQUIREMENTS OF ASTM F2764. THE ECCENTRIC CONE REDUCER SHALL BE MANUFACTURED FROM POLYETHYLENE MATERIAL MEETING ASTM D3350 CELL CLASS 213320C. GASKETS SHALL BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF ASTM F477.

PERFORMANCE

THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.

THE STORMWATER TREATMENT UNIT INTERNALS SHALL CONSIST OF (1) SEPARATOR ASSEMBLY,

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.

-OR -

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.

-OR -

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL.

MANUFACTURER

EACH STORMWATER TREATMENT SYSTEM SHALL BE AN ARCADIA SYSTEM AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS™, 2650 HAMILTON-EATON RD., HAMILTON, OH, 45011.

ARCADIA MAINTENANCE

ARCADIA SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH EXCEEDS 18 INCHES. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF THE UNIT.

MAINTENANCE INSTRUCTIONS

1. REMOVE THE MANHOLE COVER TO PROVIDE ACCESS TO THE POLLUTANT STORAGE. POLLUTANTS ARE STORED IN THE SUMP, BELOW THE BOWL ASSEMBLY VISIBLE FROM THE SURFACE. YOU'LL ACCESS THIS AREA THROUGH THE CENTER ACCESS CYLINDER.
2. USE A VACUUM TRUCK OR OTHER SIMILAR EQUIPMENT TO REMOVE ALL WATER, DEBRIS, OILS AND SEDIMENT.
3. USE A HIGH PRESSURE HOSE TO CLEAN THE MANHOLE OF ALL THE REMAINING SEDIMENT AND DEBRIS. THEN, USE THE VACUUM TRUCK TO REMOVE THE WATER.
4. FILL THE CLEANED MANHOLE WITH WATER UNTIL THE LEVEL REACHES THE INVERT OF THE OUTLET PIPE.
5. REPLACE THE MANHOLE COVER.
6. DISPOSE OF THE POLLUTED WATER, OILS, SEDIMENT AND TRASH AT AN APPROVED FACILITY.
   - LOCAL REGULATIONS PROHIBIT THE DISCHARGE OF SOLID MATERIAL INTO THE SANITARY SYSTEM. CHECK WITH THE LOCAL SEWER AUTHORITY FOR AUTHORITY TO DISCHARGE THE LIQUID.
   - SOME LOCALITIES TREAT THE POLLUTANTS AS LEACHATE. CHECK WITH LOCAL REGULATORS ABOUT DISPOSAL REQUIREMENTS.
   - ADDITIONAL LOCAL REGULATIONS MAY APPLY TO THE MAINTENANCE PROCEDURE.

ARCADIA INSTALLATION NOTES

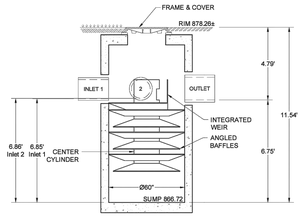
INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED BY CALLING ADVANCED DRAINAGE SYSTEMS AT (800) 821-6710 OR BY LOGGING ON TO WWW.ADSPIPE.COM.

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ARCADIA AR5PC — STR-18

TREATMENT RATE (OK-110 80% REMOVAL)			4.30 CFS
BYPASS RATE			—
	DIAMETER	PIPE MATERIAL	INVERT
INLET 1	15"	HDPE	873.57
INLET 2	15"	HDPE	873.58
INLET 3			
INLET 4			
OUTLET	18"	HDPE	873.47

Required Treatment Rate = 3.97 cfs



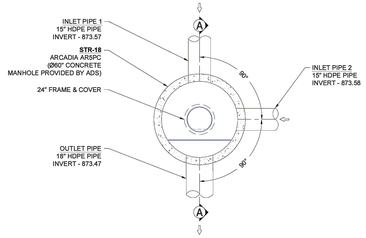
PROFILE VIEW
NTS

PRODUCT SPECIFICATIONS

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  -OR -

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SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09.02.25 | DRAWN: TSG | PROJECT #: 24851128 | CHECKED: XXX

DATE	DWN	CHK
10/17/2025	BW	
10/31/2025	LAH	

ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS

AS NOTED

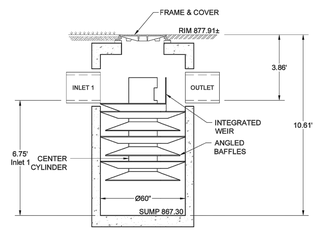
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9 SHEET OF 15

ARCADIA AR5PC — STR-13

TREATMENT RATE (OK-110 80% REMOVAL)			4.30 CFS
BYPASS RATE			---
	DIAMETER	PIPE MATERIAL	INVERT
INLET 1	18"	HDPE	874.05
INLET 2			
INLET 3			
INLET 4			
OUTLET	18"	HDPE	874.05

Required Treatment Rate = 2.76 cfs



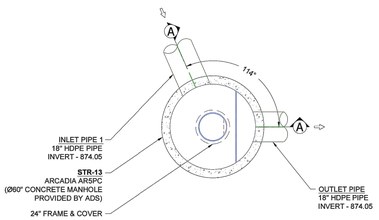
PROFILE VIEW
NTS

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SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09.02.25 | DRAWN: TSG | PROJECT #: 24851128 | CHECKED: XXX

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ARCADIA Stormwater Separator

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ADS

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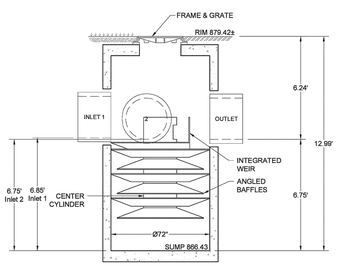
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10 SHEET OF 15

ARCADIA AR6PC — STR-21

TREATMENT RATE (OK-110 80% REMOVAL)			6.19 CFS
BYPASS RATE			---
	DIAMETER	PIPE MATERIAL	INVERT
INLET 1	30"	HDPE	873.28
INLET 2	30"	HDPE	873.18
INLET 3			
INLET 4			
OUTLET	30"	HDPE	873.18

Required Treatment Rate = 5.31 cfs



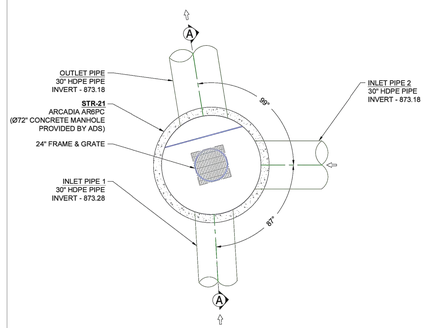
PROFILE VIEW
NTS

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SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09.02.25 | DRAWN: TSG | PROJECT #: 24851128 | CHECKED: XXX

DATE	DWN	CHK
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ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS

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11 SHEET OF 15

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 | EDIT DATE: 11/10/25 - 2:07 PM EDITED BY: HBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C450 UTILITY DETAILS.DWG

Brownsburg Community School Corporation
Higher Achievement • Together

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

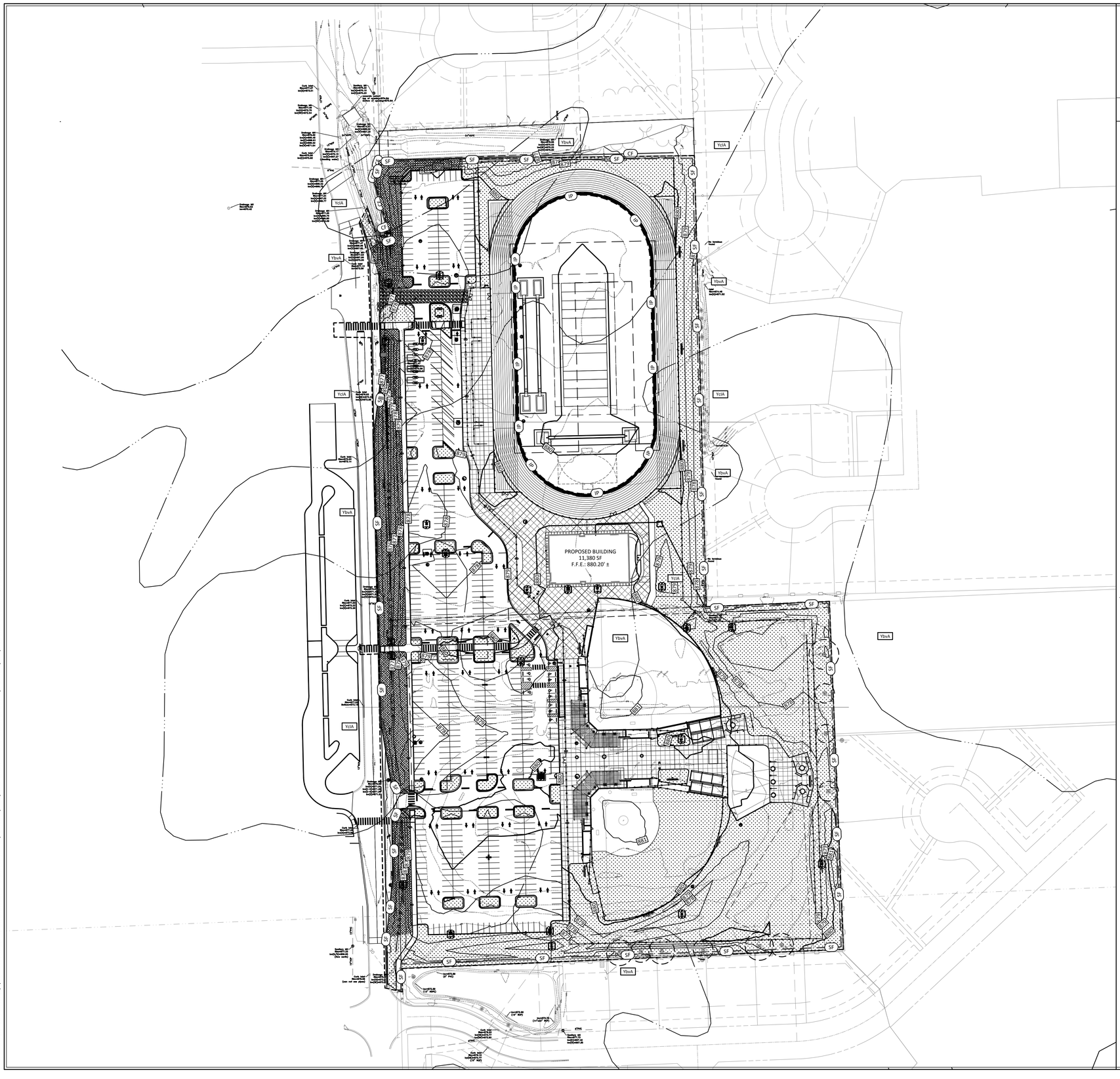
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

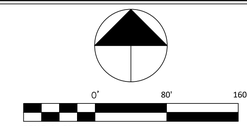
DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CARTER — REGISTERED — No. PE10000611 — STATE OF INDIANA — PROFESSIONAL ENGINEER
APPROVED FOR CONSTRUCTION
11/10/2025

DRAWING NUMBER
C457

PROJECT NUMBER
2024.0150





EROSION CONTROL LEGEND

- 668 — EXISTING CONTOUR
- 668 — PROPOSED CONTOUR
- SF — SILT FENCE
- CONSTRUCTION LIMITS
- CF — CONSTRUCTION FENCE
- IP — INLET PROTECTION
- OP — OUTLET PROTECTION (10' LENGTH)
- CWO — CONCRETE WASHOUT AREA
- POL — PORT-O-LET LOCATION
- TS — TEMPORARY MATERIAL STORAGE AREA
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- TSS — TEMPORARY SOIL STORAGE AREA
- EROSION CONTROL BLANKET AS APPROVED BY THE ENGINEER. PROVIDE ON SLOPES 5:1 OR GREATER
- GRAVEL CONSTRUCTION ENTRANCE
- AREA SUBJECT TO TEMPORARY SEEDING DURING CONSTRUCTION AND PERMANENT SEEDING AND / OR VEGETATION AFTER CONSTRUCTION. REFER TO LANDSCAPE ARCHITECT FOR SEEDING REQUIREMENTS.
- ROCK DONUT
  SEE DETAILS ON SHEET C550
- HYDROLOGIC SOIL GROUP BOUNDARY
- YbvA — Brookston silty clay loam-Urban land complex, 0 to 2 percent slopes
- YclA — Crosby silty loam, fine-loamy subsoil-Urban land complex, 0 to 2 percent slopes

NOTES:

TEMPORARILY SEED ALL BARE AREAS. SEE LANDSCAPING PLAN FOR FINAL SURFACE.

PROVIDE INLET PROTECTION ON ALL INLETS.

PROVIDE PERIMETER PROTECTION ALONG PROPERTY LIMIT WHERE DRAINS OFFSITE.

PROVIDE CONCRETE WASHOUT.

CONFIRM SUFFICIENT COVER OF UNDERGROUND DETENTION DURING CONSTRUCTION.

Indiana 811
Know what's below. Call before you dig.

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BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. LAND ALTERATIONS WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.
2. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
3. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
4. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
5. SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN THE RECEIVING STREAM. NO STORM WATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.
6. WASTES AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE BY STORM WATER RUNOFF. PROPER DISPOSAL OF ALL WASTES AND UNUSED BUILDING MATERIALS IS REQUIRED.
7. SEDIMENT BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE MINIMIZED. CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE SITE FOR DISPOSAL.
8. SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND RE-DISTRIBUTED ON SITE AFTER EACH RAINFALL EVENT, AND AT LEAST ONCE A WEEK.
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10. ALL EXISTING STRUCTURES, FENCING TREES AND ETC. WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF SITE. BURNING IS NOT ALLOWED ON SITE.
11. THE SITE IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA AS INDICATED ON THE FLOOD INSURANCE RATE MAP FOR HENDRICKS COUNTY, INDIANA PANEL 18063C0159D DATED SEPTEMBER 25, 2009.
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    B. TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31. STOCKPILE TOPSOIL AT ALL OTHER TIMES OF THE YEAR. PERMANENT AND FINAL VEGETATION AND STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADING OR AS SOON AS POSSIBLE.
    C. STOCKPILES SHALL BE LOCATED AS SHOWN. STOCKPILES SHALL HAVE SILT FENCE AROUND THE PERIMETER AND BE SEEDED IF IT IS UNDISTURBED FOR MORE THAN 14 CONSECUTIVE DAYS.
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14. PER SECTION 3.3(A)(13), NOTICE SHALL BE POSTED NEAR THE MAIN ENTRANCE OF THE PROJECT SITE CONTAINING ALL DOCUMENTATION LISTED IN SECTION 3.3(A)(13)(A)
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EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
	GAS METER / VALVE
	CLEAN-OUT
	ELEC. METER BOX/TRANSFORMER
	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE DECIDUOUS TREE & SIZE
	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
W7B	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHTC	OVERHEAD ELE TEL & CAB
OHE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

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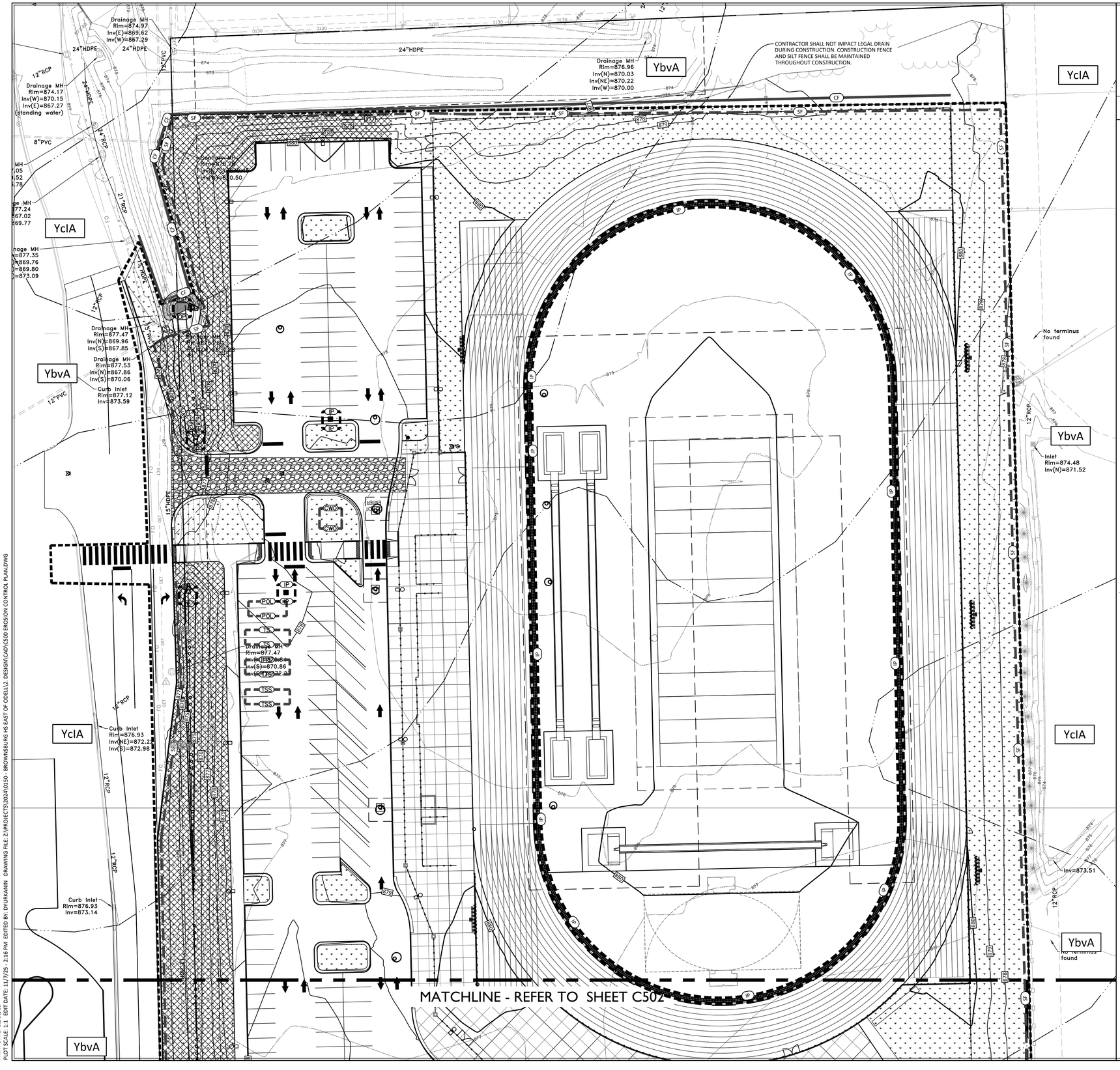
DRAWING TITLE:
OVERALL EROSION CONTROL PLAN

CERTIFIED BY:
KELLY ANN CARTER
REGISTERED
No. PE10803
STATE OF INDIANA
PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C500

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 - 2:16 PM EDITED BY: DYURKANIN DRAWING FILE: Z:\PROJECTS\2024\0150 BROWNSBURG HS EAST OF ODELL\3 DESIGN\CAD\C500 EROSION CONTROL PLAN.DWG



SCALE: 1"=30'

EROSION CONTROL LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE
- CONSTRUCTION LIMITS
- CONSTRUCTION FENCE
- INLET PROTECTION
- OUTLET PROTECTION (10' LENGTH)
- CONCRETE WASHOUT AREA
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EXISTING LEGEND

LEGEND:	
	DESCRIPTION:
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W	WATER VALVE/FIRE HYD/METER
T F G	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
E T	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12"	CONIFEROUS TREE & SIZE
24"	DECIDUOUS TREE & SIZE
S	DRAINAGE /SANITARY MANHOLE
C	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
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OHT	OVERHEAD ELE. & TEL
OHE	OVERHEAD ELE TEL & CAB
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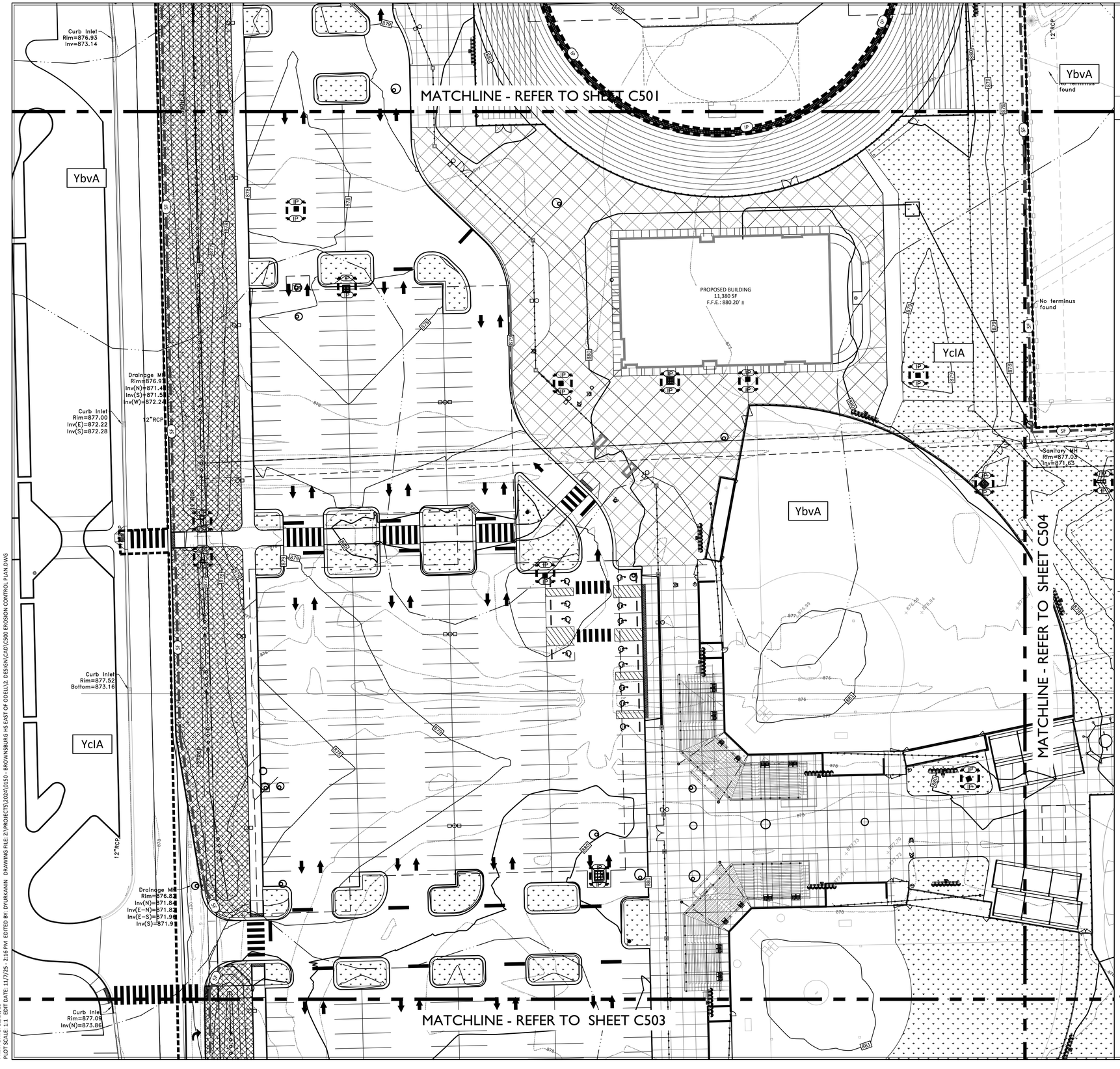
DRAWING TITLE:
EROSION CONTROL PLAN

CERTIFIED BY:
KELLY ANN CARPENTER — REGISTERED — No. PE10903663 — STATE OF INDIANA — PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C501

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
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0' 30' 60'

SCALE: 1"=30'

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	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
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S	DRAINAGE /SANITARY MANHOLE
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	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHC	OVERHEAD ELE TEL & CAB
OHE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

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PROJECT:
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EAST ATHLETICS
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SCOPE DRAWINGS:

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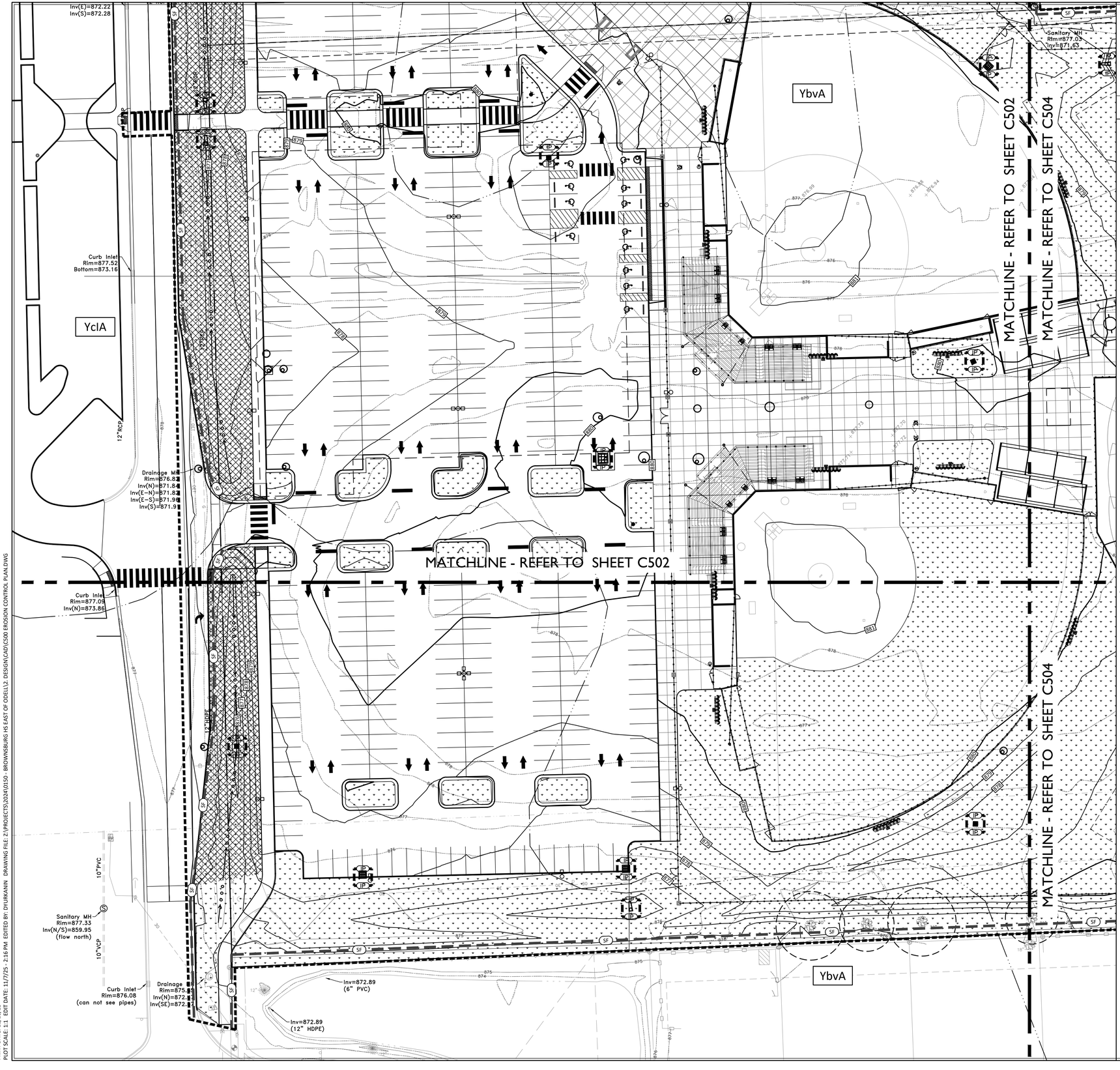
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
EROSION CONTROL PLAN

CERTIFIED BY:
KELLY ANN CASSIDY
REGISTERED
No. PE10800015
STATE OF
INDIANA
PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C502

PROJECT NUMBER
2024.0150



PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/7/25 - 2:16 PM EDITED BY: DYURKANIN DRAWING FILE: Z:\PROJECTS\2024\0150 BROWNSBURG HS EAST OF ODELL\3 DESIGN\CAD\C503 EROSION CONTROL PLAN.DWG

0' 30' 60'

SCALE: 1"=30'

EROSION CONTROL LEGEND

- 668 — EXISTING CONTOUR
- 668 — PROPOSED CONTOUR
- SF — SILT FENCE
- CONSTRUCTION LIMITS
- CF — CONSTRUCTION FENCE
- IP — INLET PROTECTION
- OP — OUTLET PROTECTION (10' LENGTH)
- CWO — CONCRETE WASHOUT AREA
- POL — PORT-O-LET LOCATION
- TS — TEMPORARY MATERIAL STORAGE AREA
- TTS — TEMPORARY TRASH STORAGE AREA
- TSS — TEMPORARY SOIL STORAGE AREA
- EROSION CONTROL BLANKET AS APPROVED BY THE ENGINEER. PROVIDE ON SLOPES 5:1 OR GREATER
- GRAVEL CONSTRUCTION ENTRANCE
- AREA SUBJECT TO TEMPORARY SEEDING DURING CONSTRUCTION AND PERMANENT SEEDING AND / OR VEGETATION AFTER CONSTRUCTION. REFER TO LANDSCAPE ARCHITECT FOR SEEDING REQUIREMENTS.
- ROCK DONUT SEE DETAILS ON SHEET C550
- HYDROLOGIC SOIL GROUP BOUNDARY
- YbvA — Brookston silty clay loam-Urban land complex, 0 to 2 percent slopes
- YclA — Crosby silto loam, fine-loamy subsoil-Urban land complex, 0 to 2 percent slopes

NOTES:

TEMPORARILY SEED ALL BARE AREAS. SEE LANDSCAPING PLAN FOR FINAL SURFACE.

PROVIDE INLET PROTECTION ON ALL INLETS.

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PROVIDE CONCRETE WASHOUT.

CONFIRM SUFFICIENT COVER OF UNDERGROUND DETENTION DURING CONSTRUCTION.

Indiana 811
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BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. LAND ALTERATIONS WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.
2. CONTRACTOR SHALL COMPLY WITH ALL STATE AND LOCAL ORDINANCES THAT APPLY.
3. THIS PLAN SHALL NOT BE CONSIDERED ALL INCLUSIVE AS THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT SOIL SEDIMENT FROM LEAVING THE SITE.
4. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON SITE INSPECTION.
5. SEDIMENT LADEN WATER SHALL BE DETAINED BY EROSION CONTROL PRACTICES AS NEEDED TO MINIMIZE SEDIMENTATION IN THE RECEIVING STREAM. NO STORM WATER SHALL BE DISCHARGED FROM THE SITE IN A MANNER THAT CAUSES EROSION AT THE POINT OF DISCHARGE.
6. WASTES AND UNUSED BUILDING MATERIALS SHALL NOT BE ALLOWED TO BE CARRIED FROM THE SITE BY STORM WATER RUNOFF. PROPER DISPOSAL OF ALL WASTES AND UNUSED BUILDING MATERIALS IS REQUIRED.
7. SEDIMENT BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS SHALL BE MINIMIZED. CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE SITE FOR DISPOSAL.
8. SOIL WHICH HAS ACCUMULATED NEXT TO EROSION CONTROL DEVICES SHALL BE COLLECTED AND RE-DISTRIBUTED ON SITE AFTER EACH RAINFALL EVENT, AND AT LEAST ONCE A WEEK.
9. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE COVERED WITH FILTER FABRIC.
10. ALL EXISTING STRUCTURES, FENCING TREES AND ETC. WITHIN CONSTRUCTION AREA SHALL BE REMOVED AND DISPOSED OF OFF SITE. BURNING IS NOT ALLOWED ON SITE.
11. THE SITE IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA AS INDICATED ON THE FLOOD INSURANCE RATE MAP FOR HENDRICKS COUNTY, INDIANA PANEL 18063C0159D DATED SEPTEMBER 25, 2009.
12. SCHEDULE OF EARTHWORK ACTIVITIES:
    A. THE DURATION OF THE TIME WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS SOON AS POSSIBLE. TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS WHEN ACTIVITY CEASES FOR MORE THAN 14 DAYS OR AS DIRECTED BY THE ENGINEER.
    B. TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31. STOCKPILE TOPSOIL AT ALL OTHER TIMES OF THE YEAR. PERMANENT AND FINAL VEGETATION AND STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADING OR AS SOON AS POSSIBLE.
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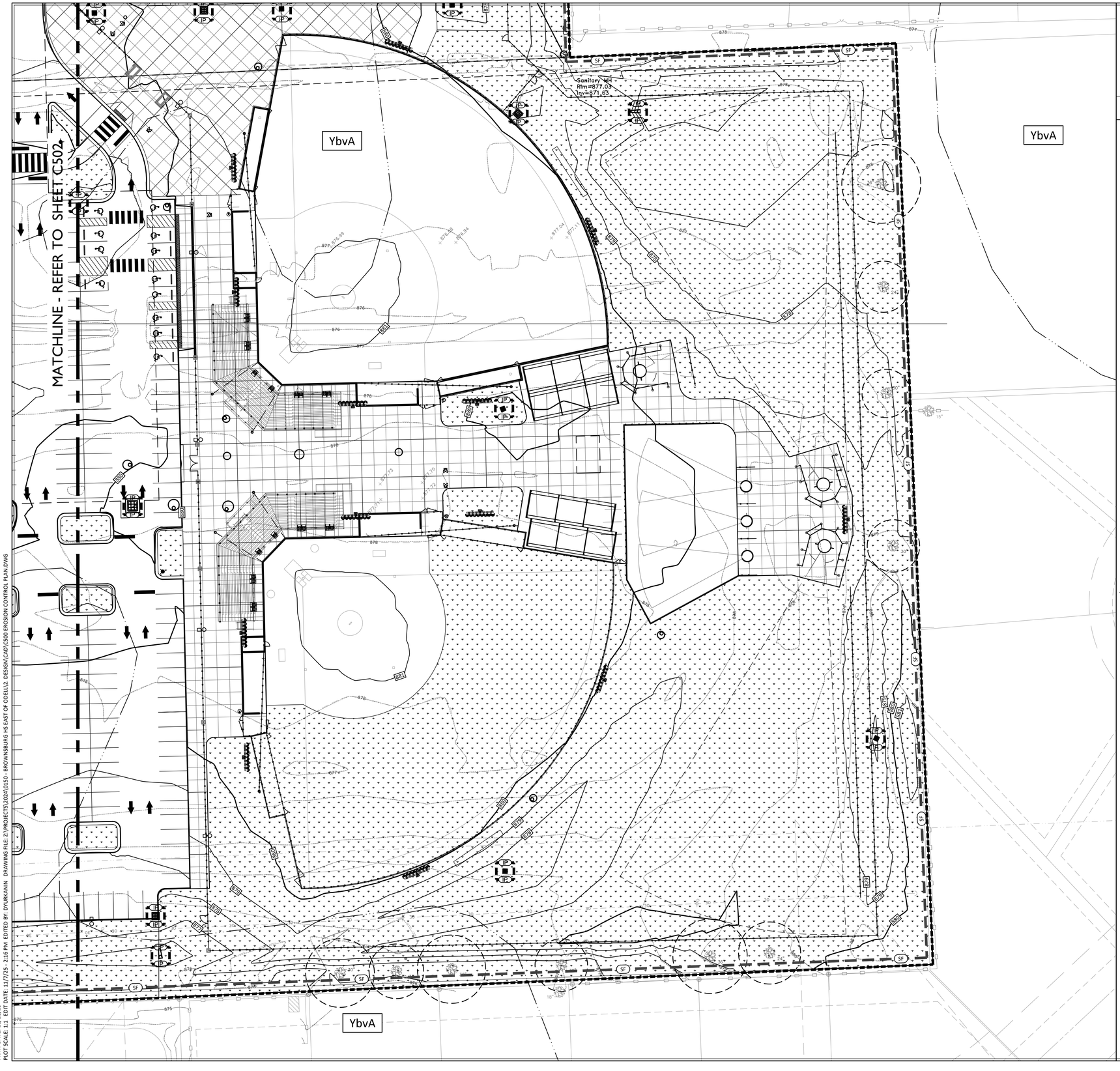
ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
EROSION CONTROL PLAN

CERTIFIED BY:
KELLY ANN CARTER
REGISTERED
No. PE10803
STATE OF INDIANA
PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C503

PROJECT NUMBER
2024.0150



PRINT DATE: 11/10/25
PLOT SCALE: 1:1 | EDIT DATE: 11/7/25 - 2:16 PM | EDITED BY: DYUKRAINH | DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2. DESIGN\CAD\C500 EROSION CONTROL PLAN.DWG

SCALE: 1"=30'

EROSION CONTROL LEGEND

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REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
EROSION CONTROL PLAN

CERTIFIED BY:
KELLY ANN CAMBERS — REGISTERED — No. PE10903666 — STATE OF INDIANA — PROFESSIONAL ENGINEER — APPROVED — 11/10/2025

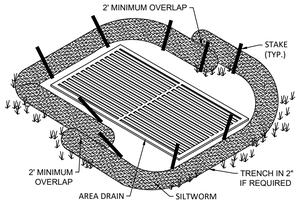
DRAWING NUMBER
C504

PROJECT NUMBER
2024.0150

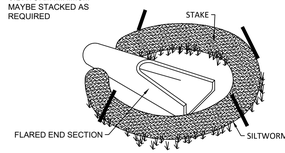
EROSION CONTROL NOTES:

1. CONSTRUCTION ACTIVITY SHALL CONSIST OF UTILITIES, GRADING, AND STORM SEWER SYSTEM.
2. PRELIMINARY CONSTRUCTION SCHEDULE: CONSTRUCTION SHALL BEGIN IN THE SPRING 2026. COMPLETION OF THE PROJECT IS ANTICIPATED IN 2027. THIS SCHEDULE IS SUBJECT TO CHANGE.
3. LAND ALTERATION WHICH STRIPS THE LAND OF VEGETATION, INCLUDING REGRADING, SHALL BE DONE IN A WAY THAT WILL MINIMIZE EROSION.
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11. IF INSTALLATION OF STORM DRAINAGE SYSTEM SHOULD BE INTERRUPTED BY WEATHER OR NIGHTFALL, THE PIPE ENDS SHALL BE SURROUNDED BY ROCK DONUTS.
12. EXISTING VEGETATION SHALL BE PRESERVED IN AREAS NOT DISTURBED BY CONSTRUCTION ACTIVITY.
13. THERE ARE NO BORROW AREAS OTHER THAN THOSE DESIGNATED.
14. ALL APPLICABLE EROSION CONTROL MEASURES SHALL BE PLACED BEFORE ANY LAND DISTURBING ACTIVITIES.
15. SCHEDULE OF EROSION CONTROL ACTIVITIES:
    a. INSTALL INLET PROTECTION AROUND INLETS IMMEDIATELY UPON COMPLETION OF THE STRUCTURE. REMOVE INLET PROTECTION FOR PAVING OPERATION. REPLACE INLET PROTECTION AFTER PAVING IS COMPLETE. INLET PROTECTION SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED ON SEEDED AREAS BEHIND THE CURB.
    b. THE DURATION OF TIME IN WHICH AN AREA REMAINS EXPOSED SHALL BE KEPT TO A PRACTICAL MINIMUM. THE AREA SHALL BE STABILIZED AS SOON AS POSSIBLE. TEMPORARY VEGETATION OR MULCHING SHALL BE USED TO PROTECT EXPOSED AREAS IF PERMANENT VEGETATION CANNOT BE SEEDED WITHIN 14 DAYS OR ACTIVITY CEASES FOR MORE THAN 21 DAYS OR AS DIRECTED BY THE ENGINEER.
    c. TOPSOIL REPLACEMENT SHALL TAKE PLACE FROM MARCH 1 TO OCTOBER 31. STOCKPILE TOPSOIL AT ALL OTHER TIMES OF THE YEAR. PERMANENT AND FINAL VEGETATION AND STRUCTURAL EROSION CONTROL DEVICES SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADING OR AS SOON AS POSSIBLE.
16. APPLY FERTILIZER AT A RATE ADEQUATE TO PROVIDE 1 LB. OF ACTUAL NITROGEN PER 1,000 SQUARE FEET. USE COMMERCIAL-GRADE COMPLETE FERTILIZER OF NEUTRAL CHARACTER CONSISTING OF FAST AND SLOW RELEASE NITROGEN, 50 PERCENT DERIVED FROM NATURAL ORGANIC SOURCES OF UREA-FORM, PHOSPHOROUS, AND IN FOLLOWING COMPOSITION:
    a. FERTILIZER FOR LAWNS: PROVIDE A FAST RELEASE FERTILIZER WITH A COMPOSITION OF 1 LB PER 1,000 SQ. FT. OF ACTUAL NITROGEN, 4 PERCENT PHOSPHOROUS, AND 2 PERCENT POTASSIUM BY WEIGHT.
    b. SLOW-RELEASE FERTILIZER FOR TREES AND SHRUBS: GRANULAR FERTILIZER CONSISTING OF 50 PERCENT WATER-INSOLUBLE NITROGEN, PHOSPHOROUS AND POTASSIUM MADE UP OF A COMPOSITION BY WEIGHT OF 5 PERCENT.
18. ADD LIME TO TOPSOIL TO OBTAIN A pH RANGE OF 6.0 TO 7.0. LIME SHALL BE ASTM C 602, CLASS T, AGRICULTURAL LIMESTONE CONTAINING A MINIMUM OF 80 PERCENT CALCIUM CARBONATE EQUIVALENT, WITH A MINIMUM 99 PERCENT PASSING A NO. 8 (2.36 mm) SIEVE AND A MINIMUM 75 PERCENT PASSING A NO. 50 (250 MICROMETER) SIEVE.
19. CONSTRUCTION TRAFFIC SHALL ENTER THE SITE AT THE GRAVEL CONSTRUCTION ENTRANCE AS SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN.
20. CONTRACTOR TO SEED ALL DISTURBED AREAS. FINISH GRADE TO BE SEED AND STRAW.
21. CONTRACTOR SHALL MONITOR TRUCK WASHING AND SEDIMENT TRACKING ONTO STREETS. STREET CLEANING WILL BE REQUIRED BY OWNER IF ROADWAYS HAVE SOIL FROM THE SITE TRACKED ONTO THEM.
24. THERE SHALL BE NO DIRT, DEBRIS OR STORAGE OF MATERIALS IN THE STREET.
25. PORTABLE TOILETS MUST BE ANCHORED

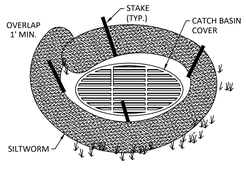
DISCLAIMER: THE INFORMATION PROVIDED WITHIN THIS SUBMITTAL IS FOR DESIGN COORDINATION AND PRELIMINARY BUDGETING. NEITHER TOPOGRAPHIC SURVEY DATA OR GEOTECHNICAL INFORMATION WAS AVAILABLE WHEN THIS DOCUMENT WAS DEVELOPED. THEREFORE THE DESIGN INFORMATION CONTAINED WITHIN IS SUBJECT TO CHANGE. FINAL DESIGN AND CONSTRUCTION DOCUMENTS MAY VARY FROM THESE SCHEMATIC DEVELOPMENT DOCUMENTS.



AREA DRAIN APPLICATION



FLARED END APPLICATION



CATCH BASIN APPLICATION

SILTWORM
P.O. BOX 691, ST JOHN, IN 46373
PHONE (219) 488-7240, www.siltworm.com

SILTWORM GENERAL NOTES

SILTWORM ARE SUPPLIED AND INSTALLED IN DIAMETERS OF 8", 12", OR 18". DIAMETER TOLERANCES ARE 2". SILTWORM WILL BECOME OVAL IN SHAPE WHEN IN PLACE, THUS THE INSTALLED HEIGHT WILL BE LESS THAN NOMINAL DIAMETER. SEE WWW.SILTWORM.COM FOR SUPPLEMENTARY INSTALLATION INFORMATION.

MATERIAL SPECIFICATIONS

NETTING:
SILTWORM IS A TUBULAR KNIT HIGH DENSITY POLYPROPYLENE.
FILL MATERIAL:
IS A KILN DRIED MATERIAL CONSISTING OF WOOD CHIPS, BARK FREE SOFTWOOD, THAT IS 100% RECYCLED.

APPLICATIONS

IN ADDITION TO THE APPLICATIONS SHOWN, SILTWORM CAN ALSO BE PLACED IN DITCHES OR AT THE TOP, ON THE FACE, OR AT THE TOW OF SLOPES AS SEDIMENT TRAPPING DEVICES. THEY CAN ALSO SERVE TO REMOVE SEDIMENT FROM RUNOFF AND RELEASE IT AS SHEET FLOW.
PERIMETER CONTROL:
PLACE SILTWORM DIRECTLY ON TOP OF GRADE, AND OVERLAP ENDS A MINIMUM OF 6". SITE PREPARATION IS MINIMAL, AND THERE IS NO STAKING OR TRENCHING REQUIREMENT FOR GRADES UNDER 12%. ARRANGE THE SILTWORM PERIMETER CONTROL IN A MANNER THAT IS APPLIED PERPENDICULAR TO SHEET FLOW. MAINTAIN CONSISTENT GROUND CONTACT.
SLOPE INTERRUPTION:
PLACE SILTWORM PERPENDICULAR TO SHEET FLOW AND CURL ENDS UP TOWARD THE TOP OF THE SLOPE. STAKE THE SILTWORM EVERY 6', AND OVERLAP THE ENDS BETWEEN 1 TO 2 FEET. PLACE A LINE OF DEFENSE AT THE TOP OF THE SLOPE, AND ANOTHER WITHIN 10' FROM THE TOE OF THE SLOPE.
SILTWORM INSTALLATION ON A SLOPE SHALL BE PLACED ALONG OR ON THE GROUND CONTOUR. WHERE POSSIBLE SILTWORM APPLIED TO THE TOE OF A SLOPE SHOULD BE PLACED 10 FEET AWAY FROM THE TOE IN ORDER TO PROVIDE SEDIMENT STORAGE.
DITCH CHECK:
SILTWORM SHOULD BE INSTALLED WITH A SLIGHT ENTRENCHMENT, AND STAKED EVERY 4' IN THE DITCH CHECK APPLICATION.
FOR DITCH APPLICATIONS, THE MAXIMUM DRAINAGE ARE SHALL BE 15 ACRES, AT SITES WHICH OUTFALL TO EXCEPTIONAL WATER OR SEDIMENT-IMPAIRED STREAMS, THE MAXIMUM DRAINAGE AREA SHALL BE LIMITED TO 10 ACRES.
SILTWORM SHALL BE PLACED PERPENDICULAR TO THE FLOW OF WATER, SILTWORM SHALL CONTINUE UP THE SIDE SLOPES TO THE UP OF BANK OR A MAXIMUM OF 3 FEET ABOVE THE INSTALLED HEIGHT SILTWORM SHALL REMAIN IN PLACE UNTIL ALL UPSTREAM AREAS ARE PERMANENTLY STABILIZED.

MAINTENANCE

SILTWORMS SHALL BE INSPECTED AFTER EACH RUNOFF EVENT AND SHALL BE REMOVED AND REPLACED IF SIGNS OF UNDERCUTTING OR DOWN STREAMING RILLS ARE OBSERVED. SEDIMENT SHALL BE REMOVED FROM BEHIND THE SILTWORM WHEN IT HAS ACCUMULATED TO ½ THE ORIGINAL HEIGHT OF THE STRUCTURE.

REMOVAL

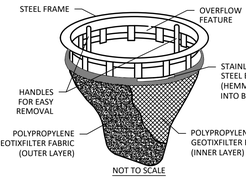
SILTWORM SHALL BE REMOVED FROM SLOPES, DITCHES, PERIMETER, OR INLETS AFTER STABILIZATION IS COMPLETE. THIS MAY BE ACCOMPLISHED BY CUTTING THE SOCK OPEN AND SPREADING THE FILL MATERIAL ON THE SITE. ALL NON-BIODEGRADABLE MATERIALS SHALL BE REMOVED. SILTWORMS APPLIED IN DITCHES SHALL BE COMPLETELY REMOVED.

SILTWORM DETAIL
NOT TO SCALE

SEASONAL SOIL PROTECTION CHART

STABILIZATION PRACTICE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING			A		✱	/	/	/	✱	/		
DORMANT SEEDING	B									B		
TEMPORARY SEEDING			C		E	✱	/	/	✱			

A = KENTUCKY BLUEGRASS 100 LBS./ACRE; CREEPING RED FESCUE 100 LBS./ACRE; HYDROSEEDED
B = KENTUCKY BLUEGRASS 120 LBS./ACRE; CREEPING RED FESCUE 120 LBS./ACRE; HYDROSEEDED
C = SPRING OATS 3 BUSHELS/ACRE
D = WHEAT OR RYE 2 BUSHELS/ACRE
E = ANNUAL RYE GRASS 40 LBS./ACRE (1 LB/1000 SQ. FT.)
✱/I/✱ = IRRIGATION NEEDED DURING JUNE, JULY, AUGUST AND/OR SEPTEMBER



THE CATCH-ALL IS AN INLET AND CATCH BASIN FILTRATION DEVICE DEVELOPED TO PREVENT SEDIMENTATION. CATCH-ALLS ARE AVAILABLE TO FIT VIRTUALLY ANY DRAINAGE STRUCTURE CASTING, AND COULD REPRESENT A BEST MANAGEMENT PRACTICE FOR YOUR EPA PHASE 2 PROGRAM.

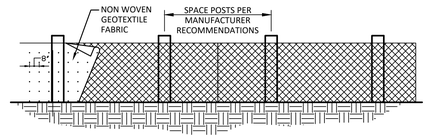
TEMPORARY INSTALLATION: CONSTRUCTION PROJECTS ON HIGHWAYS AND NEW HOUSING DEVELOPMENTS CAN RESULT IN SUBSTANTIAL AMOUNTS OF SEDIMENT DURING A RAINSTORM. TRADITIONAL PRACTICE, USING SILT SCREENS, HAY BALES, AND FILTER FABRIC UNDER STORM GRATES PROVIDE ONLY LIMITED PROTECTION. CATCH-ALL WILL HOLD 2 CUBIC FEET OF GRAVEL, SILT, AND DEBRIS, AND CAN BE MOVED FROM SITE-TO SITE.

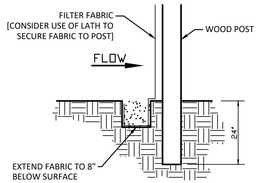
CATCH-ALL HAS BEEN APPROVED FOR USE ON MANY MOT ROAD CONSTRUCTION PROJECTS.

PERMANENT INSTALLATION:
COMMERCIAL AND INDUSTRIAL SITES WITH IMPERVIOUS SURFACES, SUCH AS ROADS AND PARKING LOTS, PRODUCE STORMWATER RUN-OFF THAT MAY INCLUDE PAPER REFUSE, CIGARETTES, SEDIMENT, AND EVEN SOME FLOATING OILS. THESE CONTAMINANTS CAN QUICKLY ADD UP TO A SIGNIFICANT AMOUNT IN CATCH BASINS OR MUNICIPAL SYSTEMS. WITHOUT PROPER TREATMENT, STORMWATER LADEN WITH SUCH MATERIALS CAN POLLUTE STREAMS, LAKES, AND NEAR-SHORE WATERS. THE UNIQUE DESIGN OF THE REUSABLE STEEL FRAME OF CATCH-ALL PROVIDES AN OVERFLOW CAPACITY GREATER THAN THE OPEN AREA OF THE GRATE IT FITS UNDER. THIS MEANS LITTLE CHANCE FOR WATER TO BACK UP OR POOL, EVEN BETWEEN SCHEDULED CLEANINGS. THE DURABLE, REINFORCED SEDIMENT BAG CAN BE CLEANED NUMEROUS TIMES AND IS EASILY REPLACED IN THE FIELD. THE ENTIRE UNIT IS INSTALLED BELOW GRADE AND NO REBAR, CLIPS, OR STRAPS ARE EXPOSED ON THE SURFACE. WITH A TOP FLANGE LESS THAN 1/8" THICK, THE ADDITIONAL HEIGHT EXPOSURE OF THE GRATE IS MINIMAL. CATCH-ALL CAN BE AN IMPORTANT SUPPLEMENT FOR CATCH BASINS AND UNDERGROUND STORMWATER STORAGE SYSTEMS THAT ARE USUALLY DIFFICULT TO ACCESS FOR CLEANING. CATCH-ALLS ARE AVAILABLE TO FIT VIRTUALLY ANY DRAINAGE STRUCTURE CASTING.

D2 LAND & WATER RESOURCE INC.
BOX 20792, INDIANAPOLIS, IN 46220
PH. (317) 917-2180, www.d2lwr.com

CATCH-ALL DETAIL
STORMWATER INLET PROTECTOR





NOTE:
POSTS SHALL HAVE A MINIMUM LENGTH OF 36 INCHES PLUS BURIAL DEPTH. POST MUST BE 2" X 2" OR EQUIVALENT ROUND DIMENSION. POST MATERIAL SHALL BE WOOD, STEEL, OR SYNTHETIC, AND SHALL BE OF SUFFICIENT STRENGTH TO RESIST DAMAGE DURING INSTALLATION AND TO SUPPORT APPLIED LOADS.

FABRIC SHALL BE A NEEDLE PUNCHED NON-WOVEN GEOTEXTILE FABRIC CONSISTING OF STRONG, ROT RESISTANT, MATERIALS RESISTANT TO DETERIORATION FROM ULTRAVIOLET AND HEAT EXPOSURE.

MINIMUM 8" FABRIC BURY REQUIRED.

SILT FENCE CONSTRUCTION
NOT TO SCALE

SILT FENCE INSTALLATION REQUIREMENTS:

SITE PREPARATION:

1. PLAN FOR THE FENCE TO BE AT LEAST 10 ft. FROM THE TOE OF THE SLOPE TO PROVIDE A SEDIMENT STORAGE AREA.
2. PROVIDE ACCESS TO THE AREA IF SEDIMENT CLEANOUT WILL BE NEEDED.

OUTLET CONSTRUCTION (OPTIONAL):

1. DETERMINE THE APPROPRIATE LOCATION FOR A REINFORCED, STABILIZED BYPASS FLOW OUTLET (UNLESS THE FENCE IS DESIGNED TO RETAIN ALL RUNOFF FROM A 2 YEAR FREQUENCY, 24 HR DURATION STORM EVENT)
2. SET THE OUTLET ELEVATION SO THAT WATER DEPTH CANNOT EXCEED 1½ ft. AT THE LOWEST POINT ALONG THE FENCE LINE.
3. LOCATE THE OUTLET WEIR SUPPORT POSTS NO MORE THAN 4 ft. APART, AND INSTALL A HORIZONTAL BRACE BETWEEN THEM. (WEIR HEIGHT SHOULD BE NO MORE THAN 1 ft. DEEP, 5 ft. WIDE, AND 3 ft. LONG ON LEVEL GRADE.
4. EXCAVATE THE FOUNDATION FOR THE OUTLET SPLASH PAD TO MINIMUMS OF 1 ft. AND WATER DEPTH NO MORE THAN 1½ ft. ANYWHERE ELSE ALONG THE FENCE.)
5. FILL THE EXCAVATED FOUNDATION WITH INDOT CA NO. 1 STONE, BEING CAREFUL THAT THE FINISHED SURFACE BLENDS WITH THE SURROUNDING AREA, ALLOWING NO OVERFILL.
6. STABILIZE THE AREA AROUND THE PAD.

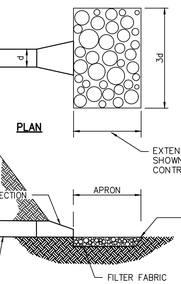
FENCE CONSTRUCTION:

1. ALONG THE ENTIRE INTENDED FENCE LINE, DIG AN 8 in. DEEP FLAT-BOTTOMED OR V-SHAPED TRENCH.
2. ON THE DOWNSIDE SLOPE OF THE TRENCH, DRIVE THE WOOD OR STEEL SUPPORT POSTS AT LEAST 1 ft. INTO THE GROUND (THE DEEPER THE BETTER), SPACING THEM NO MORE THAN 8 ft. APART IF THE FENCE IS SUPPORTED BY WIRE OR 6 ft. IF EXTRA-STRENGTH FABRIC IS USED WITHOUT SUPPORT WIRE. ADJUST SPACING, IF NECESSARY, TO ENSURE THAT POSTS ARE SET AT THE LOW POINTS ALONG THE FENCE LINE. (NOTE: IF THE FENCE HAS PRE-ATTACHED POSTS OR STAKES, DRIVE THEM DEEP ENOUGH SO THE FABRIC IS SATISFACTORILY IN THE TRENCH AS DESCRIBED IN STEP 6).
3. FASTEN SUPPORT WIRE FENCE (IF THE MANUFACTURER RECOMMENDS ITS USE) TO THE UPSLOPE SIDE OF THE POSTS, EXTENDING IT 8 in. INTO THE TRENCH.
4. RUN A CONTINUOUS LENGTH OF GEOTEXTILE FABRIC IN FRONT (UPSLOPE) OF THE SUPPORT WIRE AND POSTS, AVOIDING JOINTS, PARTICULARLY AT LOW POINTS IN THE FENCE LINE.
5. IF A JOINT IS NECESSARY, NAIL THE OVERLAP TO THE NEAREST POST WITH LATH.
6. PLACE THE BOTTOM 1 ft. OF FABRIC IN THE 8 in. DEEP TRENCH, EXTENDING THE REMAINING 4 in. TOWARD THE UPSLOPE SIDE.
7. BACKFILL THE TRENCH WITH COMPACTED EARTH OR GRAVEL.

NOTE: IF USING A PRE-PACKED COMMERCIAL SILT FENCE RATHER THAN CONSTRUCTING ONE, FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS.

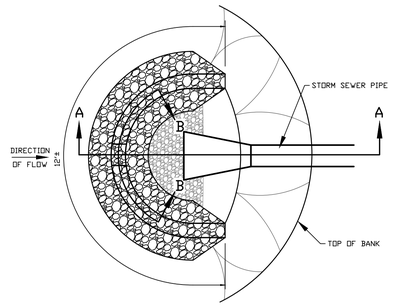
SILT FENCE MAINTENANCE REQUIREMENTS:

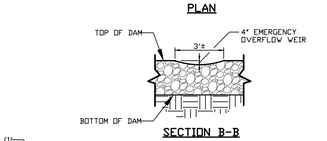
1. INSPECT THE SILT FENCE PERIODICALLY AND AFTER EACH STORM EVENT.
2. IF FABRIC TEARS, STARTS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE AT ITS LOWEST POINT OR IS CAUSING THE FABRIC TO BULGE.
4. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEAN OUT.
5. AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED REMOVE THE FENCE AND SEDIMENT DEPOSITS, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

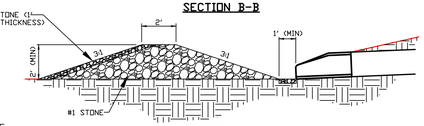


NOTES:
1. FOUNDATION SHALL BE GEOTEXTILE FABRIC FOR STABILIZATION AND WELL-GRADED FILTRATION OR GRAVEL FILTER LAYER AT LEAST 6 IN. THICK
2. STONE SHALL BE HARD, ANGULAR, AND HIGHLY WEATHER-RESISTANT RIPRAP STONE AT A THICKNESS OF 12 IN. MINIMUM OR TWO TIMES THE STONE DIAMETER, WHICHEVER IS GREATER.
3. MAKE SURE THE TOP OF THE RIPRAP APRON IS LEVEL WITH OR SLIGHTLY BELOW THE RECEIVING STREAM. (RIPRAP SHOULD NOT RESTRICT THE CHANNEL OR PRODUCE AN OVERFALL).

OUTLET PROTECTION DETAIL
NOT TO SCALE

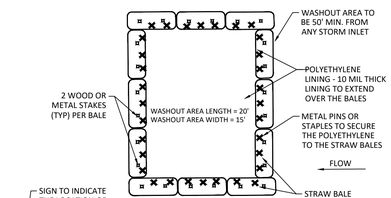


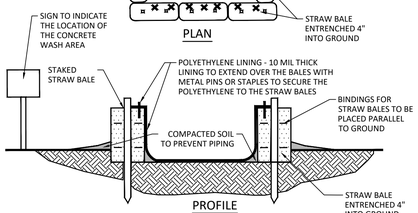




MAINTENANCE:
1. INSPECT THE STRUCTURE AFTER EACH STORM EVENT, REMOVING SEDIMENT AND MAKING NEEDED REPAIRS IMMEDIATELY.
2. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZES, REMOVE AND PROPERLY DISPOSE OF ANY UNSTABLE SEDIMENT AND CONSTRUCTION MATERIAL, AND RE-STABILIZE.

ROCK DONUT DETAIL
NOT TO SCALE





NOTE: CONTRACTOR SHALL PROVIDE ADDITIONAL WASHOUT STRUCTURES OR LARGER STRUCTURES IF REQUIRED

ABOVE GROUND CONCRETE WASHOUT AREA
NOT TO SCALE

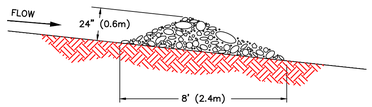
CONCRETE WASHOUT NOTES:

1. LOCATE WASH OUT AREA AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR BODIES OF WATER. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID AND SOLID WASTE.
2. TEMPORARY WASH OUT FACILITIES SHOULD HAVE A TEMPORARY PIT AREA OF SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND SOLID WASTE CONCRETE MATERIALS GENERATED DURING WASH OUT PROCEDURES.
3. ONLY CONCRETE FROM MIXER TRUCK CHUTES SHOULD BE WASHED INTO WASH OUT PIT.
4. PLASTIC LINING MATERIAL SHOULD BE A MINIMUM OF 10 MIL POLYETHYLENE SHEETING AND SHOULD BE FREE OF HOLES, TEARS, OR OTHER DEFECTS THAT COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
5. THE CONCRETE WASHOUT AREA SHALL BE INSPECTED DAILY FOR PUNCTURES OR TEARS IN THE PLASTIC LINER. THE LINER SHALL BE REPLACED UPON REMOVAL OF HARDENED CONCRETE.
6. TEMPORARY CONCRETE WASHOUT FACILITIES SHOULD BE MAINTAINED TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM FREEBOARD OF 12 INCHES. MAINTAINING TEMPORARY CONCRETE WASH OUT FACILITIES SHOULD INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND RETURNING THE FACILITY TO A FUNCTIONAL CONDITION. HARDENED CONCRETE MATERIALS SHOULD BE REMOVED AND DISPOSED OF. IN ACCORDANCE WITH LOCAL STANDARDS.
7. CONCRETE WASHOUT AREAS SHALL BE CLEARLY MARKED WITH LATH & FLAGGING AND A SIGN POSTED AND LABELED "CONCRETE WASHOUT". LATH AND FLAGGING SHOULD BE COMMERCIAL TYPE.
8. THE CONCRETE WASH OUT AREA SHALL BE REPAIRED AND/OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR WASTED CONCRETE.
9. WASHOUT FACILITIES MUST BE CLEANED, OR NEW FACILITIES MUST BE CONSTRUCTED AND READY FOR USE ONCE THE WASHOUT IS 75% FULL. 10. AT THE END OF CONSTRUCTION, ALL CONCRETE SHALL BE REMOVED FROM THE SITE AND LEGALLY DISPOSED OF AT AN APPROVED SITE

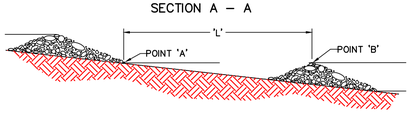


NOTE:
KEY STONE INTO CHANNEL BANKS AND EXTEND IT BEYOND THE ABUTMENTS A MINIMUM OF 18" (0.5m) TO PREVENT FLOW AROUND DAM.

VIEW LOOKING UPSTREAM

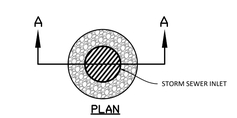


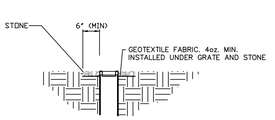
SECTION A – A



'L' = THE DISTANCE SUCH THAT POINTS 'A' AND 'B' ARE OF EQUAL ELEVATION.

SPACING BETWEEN CHECK DAMS
ROCK CHECK DAM
NOT TO SCALE

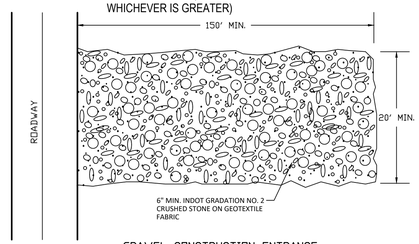




MAINTENANCE:
1. INSPECT THE STRUCTURE AFTER EACH STORM EVENT, REMOVING SEDIMENT AND MAKING NEEDED REPAIRS IMMEDIATELY.
2. WHEN THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZES, REMOVE AND PROPERLY DISPOSE OF ANY UNSTABLE SEDIMENT.

INLET (<12") PROTECTION DETAIL
NOT TO SCALE

< 2 ACRES 50'X12'
>= 2 ACRES 150'X(20' OR WIDTH OF DRIVE IF USED, WHICHEVER IS GREATER)



GRAVEL CONSTRUCTION ENTRANCE
NOT TO SCALE

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE INSTALLATION REQUIREMENTS:

1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES IN PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA, AND GRADE AND CROWN FOR POSITIVE DRAINAGE.
3. IF SLOPE TOWARDS THE ROAD EXCEEDS 2%, CONSTRUCT A 6-8 in. HIGH WATER BAR (RIDGE) WITH 3:1 SIDE SLOPES ACROSS THE FOUNDATION AREA ABOUT 15 ft. FROM THE ENTRANCE TO DIVERT RUNOFF AWAY FROM THE ROAD.
4. INSTALL PIPE UNDER THE PAD IF NEEDED TO MAINTAIN PROPER PUBLIC ROAD DRAINAGE.
5. PLACE STONE TO DIMENSIONS AND GRADE SHOWN IN THE EROSION/SEDIMENT CONTROL PLAN, LEAVING THE SURFACE SMOOTH AND SLOPED FOR DRAINAGE.
6. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE STONE PAD TO A SEDIMENT TRAP OR BASIN.

TEMPORARY GRAVEL CONSTRUCTION ENTRANCE MAINTENANCE REQUIREMENTS:

1. INSPECT ENTRANCE PAD AND SEDIMENT AREA WEEKLY AND AFTER STORM EVENTS OF HEAVY USE.
2. RESHAPE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL.
3. TOP DRESS WITH CLEAN STONE AS NEEDED.
4. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED IF THE WATER IS CONVEYED INTO A SEDIMENT ROCK TRAP OR BASIN.
5. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.

Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
EROSION CONTROL DETAILS

CERTIFIED BY:
KELLY ANN CAMPBELL
REGISTERED
No. PE10705
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED FOR CONSTRUCTION
11/10/2025

DRAWING NUMBER
C550

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 10/30/25 - 4:04 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2 DESIGN\CAD\C550 EROSION CONTROL DETAILS.DWG

Dewatering



Standard References
Standard Specification Reference: 206 Structure Excavation

Standard Drawing Reference: Details shown on plans and in environmental permits.

Description
Dewatering may be used in a variety of construction operations such as to remove water from the bridge foundation footing excavations, drainage structure installations, or from fill areas prior to placement of the borrow materials. Proper outflow of the dewatering activity should be reviewed and planned for in the design of the system. The components of the dewatering process should include the use of water filtering and stabilized outlets. The filtering operation helps to greatly reduce the sediment transportation which is associated with the dewatering operation.

Installation
- Locate the desired outflow location for the dewatering system and coordinate the filter and stabilization method to be used with the installer.
- If possible, gravity dewatering can be used and must be filtered prior to flowing through a vegetated ditch or waterway.
- Discuss the pump capacity and piping components to be used with the installer. Review the layout of the system prior to placement and have any deficiencies corrected prior to operation activation.
- Construct a secondary containment BMP such as a rock filter berm or sediment trap near the waterway.
- Place filter bag on a flat stable surface outside of the waterway behind the secondary containment.

Inspection
- Inspect daily during dewatering operations.
- Inspect the filter location and condition for necessary repair.
- Review the piping system for leakage, kinks and conditions for needed repair.
- Inspect the filter bag for tears and sediment and water capacity.
- Look for erosion between the filter bag and waterway.

Maintenance
- Repair any pumps damaged or not operating properly.
- Repair or replace filters that exhibit leakage or failure.
- Filters may need to be replaced when they become laden with sediment.
- Repair or replace leaking or damaged piping.
- Repair eroded areas and stabilize.

Dewatering



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Standard Specification Reference: 206 Structure Excavation

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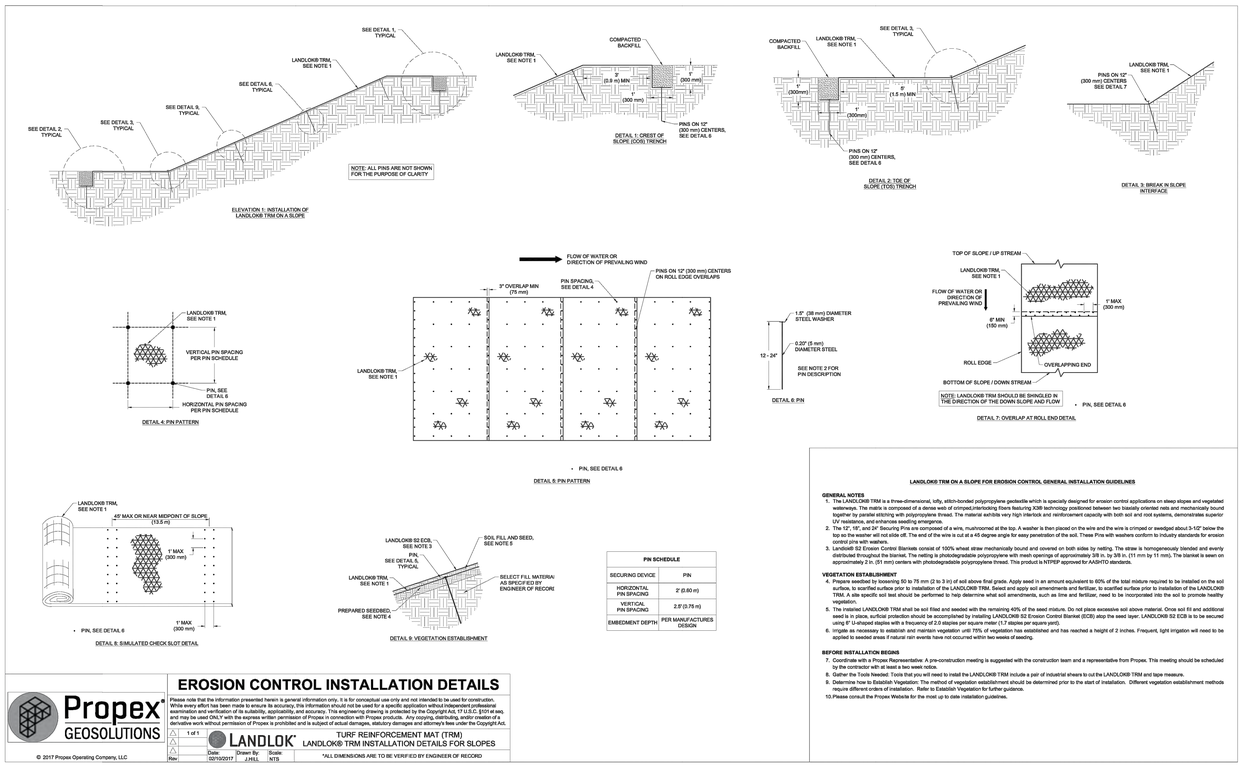
Per Town of Brownsburg:
Dewatering operations shall be discharged through sediment filter bags equipped with a secondary containment/filter measure.
Dewatering
Storm Water Management

Installation
- Locate the desired outflow location for the dewatering system and coordinate the filter and stabilization method to be used with the installer.
- If possible, gravity dewatering can be used and must be filtered prior to flowing through a vegetated ditch or waterway.
- Discuss the pump capacity and piping components to be used with the installer. Review the layout of the system prior to placement and have any deficiencies corrected prior to operation activation.
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Inspection
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- Repair or replace leaking or damaged piping.
- Repair eroded areas and stabilize.

Page 39



PIN SCHEDULE	
SECURING DEVICE	PIN
HORIZONTAL PIN SPACING	2' (0.60 m)
VERTICAL PIN SPACING	2.5' (0.75 m)
EMBEDMENT DEPTH	PER MANUFACTURERS DESIGN

LANDLOK® TRM ON A SLOPE FOR EROSION CONTROL GENERAL INSTALLATION GUIDELINES

GENERAL NOTES
1. The LANDLOK® TRM is a three-dimensional, lofty, stitch-bonded polypropylene geotextile which is specially designed for erosion control applications on steep slopes and vegetated waterways. The matrix is composed of a dense web of crimped,interlocking fibers featuring X3® technology positioned between two biaxially orientated nets and mechanically bound together by parallel stitching with polypropylene thread. The material exhibits very high interlock and reinforcement capacity with both soil and root systems, demonstrates superior UV resistance, and enhances seedling emergence.
2. The 12", 18", and 24" Securing Pins are composed of a wire, mushroomed at the top. A washer is then placed on the wire and the wire is crimped or swedged about 3-1/2" below the top so the washer will not slide off. The end of the wire is cut at a 45 degree angle for easy penetration of the soil. These Pins with washers conform to industry standards for erosion control pins with washers.
3. Landlok® 82 Erosion Control Blankets consist of 100% wheat straw mechanically bound and covered on both sides by netting. The straw is homogeneously blended and evenly distributed throughout the blanket. The netting is photodegradable polypropylene with mesh openings of approximately 3/8 in. by 3/8 in. (11 mm by 11 mm). The blanket is sewn on approximately 2 in. (51 mm) centers with photodegradable polypropylene thread. This product is NTPEP approved for AASHTO standards.

VEGETATION ESTABLISHMENT
4. Prepare seedbed by loosening 50 to 75 mm (2 to 3 in) of soil above final grade. Apply seed in an amount equivalent to 60% of the total mixture required to be installed on the soil surface, to scarified surface prior to installation of the LANDLOK® TRM. Select and apply soil amendments and fertilizer, to scarified surface prior to installation of the LANDLOK® TRM. A site specific soil test should be performed to help determine what soil amendments, such as lime and fertilizer, need to be incorporated into the soil to promote healthy vegetation.
5. The installed LANDLOK® TRM shall be soil filled and seeded with the remaining 40% of the seed mixture. Do not place excessive soil above material. Once soil fill and additional seed is in place, surficial protection should be accomplished by installing LANDLOK® 82 Erosion Control Blanket (ECB) atop the seed layer. LANDLOK® 82 ECB is to be secured using 6" U-shaped staples with a frequency of 2.0 staples per square meter (1.7 staples per square yard).
6. Irrigate as necessary to establish and maintain vegetation until 75% of vegetation has established and has reached a height of 2 inches. Frequent, light irrigation will need to be applied to seeded areas if natural rain events have not occurred within two weeks of seeding.

BEFORE INSTALLATION BEGINS
7. Coordinate with a Propex Representative: A pre-construction meeting is suggested with the construction team and a representative from Propex. This meeting should be scheduled by the contractor with at least a two week notice.
8. Gather the Tools Needed: Tools that you will need to install the LANDLOK® TRM include a pair of industrial shears to cut the LANDLOK® TRM and tape measure.
9. Determine how to Establish Vegetation: The method of vegetation establishment should be determined prior to the start of installation. Different vegetation establishment methods require different orders of installation. Refer to Establish Vegetation for further guidance.
10. Please consult the Propex Website for the most up to date installation guidelines.

Propex GEOSOLUTIONS

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EROSION CONTROL INSTALLATION DETAILS

Please note that the information presented herein is general information only. It is for conceptual use only and not intended to be used for construction. While every effort has been made to ensure its accuracy, this information should not be used for a specific application without independent professional examination and verification as to its suitability and applicability by the Qualified Professional Engineer. LANDLOK® TRM is a registered trademark of TRM (U.S.) Corp. in the U.S. and may be used ONLY with the express written permission of Propex in connection with Propex products. Any copying, distributing, and/or creation of a derivative work without permission of Propex is prohibited and is subject of actual damages, statutory damages and attorney's fees under the Copyright Act.

Rev	Date	Drawn By	Scale
1 of 1	02/15/2017	J.HILL	NTS

LANDLOK® TURF REINFORCEMENT MAT (TRM)
LANDLOK® TRM INSTALLATION DETAILS FOR SLOPES

*ALL DIMENSIONS ARE TO BE VERIFIED BY ENGINEER OF RECORD

PERMANENT END SECTION TURF REINFORCEMENT MAT

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11/10/2025	NCB	KAC

DRAWING TITLE:
EROSION CONTROL DETAILS

CERTIFIED BY:
KELLY ANN CANTRELL
REGISTERED
No. PE10008
STATE OF INDIANA
PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C551

PROJECT NUMBER
2024.0150

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SITE NAME

The area scheduled for construction is known as "BROWNSBURG HS EAST ATHLETICS" (hereinafter referred to as the "Project").

OWNER'S INFORMATION

Name: Brownsburg Community School Corporation
Address: 310 S. Stadium Dr. Brownsburg, IN 46112
Representative: Shane Hacker
Title: Assistant superintendent for operations, Acting superintendent
Telephone: (317) 858 - 4104

OPERATOR'S INFORMATION

Name: Brownsburg Community School Corporation
Address: 310 S. Stadium Dr. Brownsburg, IN 46112
Representative: Shane Hacker
Title: Assistant superintendent for operations, Acting superintendent
Telephone: (317) 858 - 4104

CONTRACTOR'S INFORMATION

Name: Meyer Najem Construction
Address: 11787 Lantern Road #100
Representative: John Haggarty
Title: Executive Vice President Operation
Telephone: (317) 577-0007

NOTICE OF INTENT

All parties defined as owners or operators must submit a Notice of Intent (NOI) at least 48 hours prior to commencement of on-site construction activities. Submittal of late NOI's is not prohibited; however, authorization under the construction general permit is only for discharges that occur after permit coverage is granted. Unpermitted discharges may be subject to enforcement actions by the EPA. For the purposes of this permit, an operator is defined as any party meeting either of the following requirements:

a) The party has operational control over construction plans and specifications, including the ability to make modifications to those plans and specifications.
b) The party has day-to-day operational control of those activities at a project that are necessary to ensure compliance with a stormwater pollution prevention plan for the site or other permit conditions.

A1 INDEX OF THE LOCATION OF REQUIRED PLAN ELEMENTS IN THE CONSTRUCTION PLANS

Refer to the Site Plan.

A2 VICINITY MAP

Refer to Title Sheet

A3 PROJECT NARRATIVE

This project consists of approximately 11380 Square feet new building for concessions and athletics support,new track and field facility, new softball fields, new parking lots and drives for improved pedestrian connectivity to the facilities, an associated utility connections and hardscape.

A4 PROJECT LOCATION

The property is located on the northeast corner of S Odell St and Sycamore St, in Brownsburg, IN 46112, at a latitude of 39°49'43" N and a longitude of 86°23'57" W.

A5 LEGAL DESCRIPTION OF THE PROJECT SITE

Refer to Title Sheet for land description

From GIS:
Section 14 Township 16N Range 1E

A6 11" x 17" PLAT

Refer to the Site Plan.

A7 100-YEAR FLOODPLAINS, FLOODWAYS, AND FLOODWAY FRINGES

The lot is located in an unshaded Zone "X" (areas determined to be outside the 0.2 percent annual chance floodplain) as indicated on the Hendricks County, Indiana, Flood Insurance Rate Map 18063C0159D dated 09/25/2009

A8 ADJACENT LAND USE

North: Residential
East: Residential
South: Institutional
West: Institutional

A9 IDENTIFICATION OF U.S. EPA APPROVED OR ESTABLISHED TMDL

White Lick Creek does not appear to be a US EPA approved or established TMDL.

A10 IDENTIFICATION OF ALL RECEIVING WATERS

White Lick Creek River is the ultimate receiving water for the project area.

A11 IDENTIFICATION OF DISCHARGES TO A WATER ON THE CURRENT 303(D) LIST OF IMPARED WATERS AND THE POLLUTANT(S) FOR WHICH IT IS IMPARED

The White Lick Creek is on the 303(d) list for E. coli, Category 5A.

A12 SOILS MAP INCLUDING SOIL DESCRIPTION AND LIMITATIONS

The Natural Resources Conservation Service (NRCS) Web Soil Survey of Hendricks County, Indiana, indicates Bookston silty clay loam-Urban land complex, 0 to 2 percent slopes, Crosby silt loam, fine-loamy subsoil-Urban land complex, 0 to 2 percent slopes are located on the site.

The on-site soil will be treated as recommended by the geotechnical engineer if the conditions are unsuitable for the proposed construction. Remedial treatments may include, but are not limited to, removal of unsuitable soil and backfilling with engineered material, installation of a geofabric within or under the pavement system, or treatment of the subgrade with lime.

A13 LOCATION AND NAME OF ALL WETLANDS, LAKES, AND WATERCOURSES ON AND ADJACENT TO THE SITE

NO WETLANDS, LAKES OR WATERCOURSES HAVE BEEN IDENTIFIED ON THE SITE THAT MAY BE IMPACTED BY STORMWATER DISCHARGES AS A RESULT OF THE PROPOSED CONSTRUCTION ACTIVITIES.

A14 STATE AND FEDERAL WATER QUALITY PERMITS

IDEM CSGP Permit

A15 IDENTIFICATION AND DELINEATION OF EXISTING COVER, INCLUDING NATURAL BUFFERS

This project will not impact the existing cover or natural buffers. See C101-C104 Existing Conditions Plan and See C501-C504 Erosion Control plan for temporary and permanent seeding.

A16 EXISTING SITE TOPOGRAPHY

Refer to the Existing Topography Plan

A17 LOCATION(S) WHERE RUN-OFF ENTERS THE PROJECT SITE

There are no areas where Run-off enters the project site

A18 SPECIFIC POINT WHERE STORMWATER DISCHARGE WILL LEAVE THE SITE

Run-off will enter the project site from the North side (Tilden Dr) and the East side (subdivisions on the east side of Odell St)

A19 LOCATION OF ALL EXISTING STRUCTURES ON PROJECT SITE

Refer to the Utility Plan or Storm Sewer Plan and Profiles

A20 EXISTING PERMANENT RETENTION OR DETENTION FACILITIES, INCLUDING MANMADE WETLANDS, DESIGNED FOR THE PURPOSE OF STORMWATER MANAGEMENT

There are none

A21 IDENTIFICATION OF ALL POTENTIAL DISCHARGES TO GROUND WATER

There are no locations on site where surface water may be discharged into ground water.

A22 PROJECT ACREAGE

Total Acreage: 20.45 Acres

A23 PROJECT LAND DISTURBANCE

Proposed Land Disturbance: 20.45 Acres

A24 PROPOSED FINAL SITE TOPOGRAPHY

Refer to the Grading Plan

A25 LOCATIONS AND APPROXIMATE BOUNDARIES OF ALL DISTURBED AREAS

Approximate boundaries of disturbed areas are as identified on the Erosion Control Plan.

A26 LOCATIONS, SIZE, AND DIMENSIONS OF ALL STORMWATER DRAINAGE SYSTEMS SUCH AS CULVERTS, STORMWATER SEWER, AND CONVEYANCE CHANNELS

Refer to Utility Plan

A27 LOCATIONS OF SPECIFIC POINTS WHERE STORMWATER AND NON-STORMWATER DISCHARGES WILL LEAVE THE PROJECT SITE

Stormwater will leave the project site from the west side to the Chris Truckses and Mary E. Wilson legal drains.

A28 LOCATIONS OF ALL PROPOSED SITE IMPROVEMENTS, INCLUDING ROADS, UTILITIES, LOT DELINEATION AND IDENTIFICATION, PROPOSED STRUCTURES, AND COMMON AREAS

Refer to the Utility Plan. See Sheets C400-C404.

A29 LOCATIONS OF PROPOSED SOIL STOCKPILES AND/OR BORROW/DISPOSAL

Excess soil shall be immediately stockpiled, surrounded with silt fence and seeded and/or removed from the construction site in accordance with all applicable laws. If topsoil stockpiles are anticipated for this project, they are shown on the Erosion Control Plan.

A30 CONSTRUCTION SUPPORT ACTIVITIES THAT ARE EXPECTED TO BE PART OF THE PROJECT

Erosion Control Measures

A31 LOCATION OF ANY IN-STREAM ACTIVITIES THAT ARE PLANNED FOR THE PROJECT INCLUDING, BUT NOT LIMITED TO, STREAM CROSSINGS AND PUMP AROUNDS

N/A

B1 DESCRIPTION OF POTENTIAL POLLUTANT SOURCES ASSOCIATED WITH CONSTRUCTION ACTIVITIES

The following potential pollutant sources may be associated with construction activities on site:

1. Material storage areas (more specifically described below)
2. Construction waste material
3. Fuel storage areas and fueling stations
4. Exposed soils
5. Leaking vehicles and equipment
6. Sanitary waste from temporary toilet facilities
7. Litter
8. Windblown dust
9. Soil tracking off site from construction equipment

The following construction materials may be staged or stored on site at various points during development of the site:

1. Structural fill
2. Pavement Base Stone
3. HDPE, PVC, RCP or Ductile Iron pipe
4. Precast concrete, HDPE or PVC drainage and sanitary structures
5. Rock rip-rap

B2 STABLE CONSTRUCTION ENTRANCE LOCATIONS AND SPECIFICATIONS

Construction entrances will be in place prior to any site construction or demolition. Entrance is shown on the C501 Erosion Control Plan, refer to the C550 Erosion Control Details Plan for details.

B3 TEMPORARY AND PERMANENT SURFACE STABILIZATION METHODS APPROPRIATE FOR EACH SEASON

Surface stabilization is required on any un-vegetated areas that are left idle or scheduled to be life inactive for 7 days or more must be temporality or permanently stabilized. Stabilization must be initiated by the end of the 7th day. The stabilization activity must be completed with 14 days after initiation.
Refer to the Temporary Seeding Detail within Erosion Control Details for specifics on soil amendments, seed mixtures and mulching.

A. Loosen lawn area to a minimum depth of 6 inches. Mix soil amendments and fertilizers with topsoil at rates specified. Organic soil amendments such as peat, compost or manure shall be applied at 2" depth evenly over soil and incorporated into the top 6" of topsoil. Provide fertilizer with percentage of nitrogen required to provide not less than 1 pound of actual nitrogen per 1,000 sq. ft. of lawn area and not less than 4 percent phosphoric acid and 2 percent potassium. At least 50 percent of nitrogen to be organic form. Delay mixing of fertilizer if planting will not follow placing of planting soil within a few days.
B. Fertilizer for lawns: provide a fast release fertilizer with a composition of 1 lb per 1,000 sq. ft. of actual nitrogen, 4 percent phosphorous, and 2 percent potassium by weight.
C. Slow-release fertilizer for trees and shrubs: granular fertilizer consisting of 50 percent water-insoluble nitrogen, phosphorous and potassium made up of a composition by weight of 5 percent
D. Grade lawn and grass areas to a smooth, even surface with loose, uniformly fine texture. Limit fine grading to areas that can be planted within immediate future. Remove trash, debris, stones larger than 1 inch diameter, and other objects that may interfere with planting or maintenance operations. Sow seed using a spreader or seeding machine. Do not seed when wind velocity exceeds 5 miles per hour.
E. Distribute seed evenly over entire area by sowing equal quantity in 2 directions at right angles to each other.
F. Rake seed lightly into top 1/8 inch of soil, roll lightly, and water with a fine spray.
G. Install erosion control blankets as indicated on the plan.
H. Protect seeded areas against erosion by spreading clean, seed-free straw mulch after completion of seeding operations. Spread uniformly to form a continuous blanket not less than 1-1/2 inches loose measurements over seeded areas.
I. Water newly planted lawn areas and keep moist until new grass is established. Immediately repair any lawn areas disturbed by construction activities including tree and shrub installation.
J. Refer to the Permanent Seeding Details within the Erosion Control Detail Sheet, for timing of permanent seeding, grass seed specifications and mulching specifications.

B4 SEDIMENT CONTROL MEASURES FOR CONCENTRATED FLOW AREAS

Proposed swales will be stabilized with erosion control blankets, and rock donuts will be installed to slow runoff to inlets. Straw bales and silt fences will not be allowed as concentrated flow protection measures. Refer to the Erosion Control Plan for locations and the Erosion Control Details for details.

B5 SEDIMENT CONTROL MEASURES FOR SHEET FLOW AREAS

Sheet flow areas will be protected by seed and mulch or hydroseeding. Erosion control blankets will be installed on sloped areas where the slope exceeds 6:1 (horizontal to vertical). Silt Fencing will be utilized to prevent sedimentation from leaving the site. Refer to the Erosion Control Plan for locations and the Erosion Control Details for details.

B6 RUNOFF CONTROL MEASURES

Permanent Vegetation, silt fence, etc. See Erosion Control Plan (Sheets C500-C504)

B7 STORMWATER OUTLET PROTECTION SPECIFICATIONS

Stormwater outlets will be protected by rip-rap aprons to prevent scour erosion. Refer to the Erosion Control Plan for locations and the Erosion Control Details for details.

B8 GRADE STABILIZATION STRUCTURE LOCATIONS AND SPECIFICATIONS

Rip rap aprons at outlets will be utilized to prevent grade destabilization. Refer to the Erosion Control Plan for locations and the Erosion Control Details for details.

B9 DEWATERING APPLICATION AND MANAGEMENT METHODS

Refer to Sheet C551 Erosion Control Details for Dewatering detail and specification to apply if applicable during the construction process.

B10 MEASURES UTILIZED FOR WORK WITHIN WATERBODIES

N/A

B11 MONITORING AND MAINTENANCE GUIDELINES FOR EACH PROPOSED STORMWATER QUALITY MEASURE

Inspection Schedule/Reporting
All impacted areas, as well as all erosion and sediment control devices, will be inspected every seven (7) calendar days and within 24 hours after a rainfall of 0.5 inch or greater. Where sites have been final or temporarily stabilized or on sites where runoff is unlikely due to winter conditions (e.g., site is covered with snow, ice, or frozen ground exists), such inspections shall be conducted at least once every month.

Inspections shall be conducted and a written report prepared, by a designated and qualified person familiar with the USEPA NPDES Storm Water General Permit, this SWPPP, and the Project.

Inspection reports shall be completed including scope of the inspection, name(s) and qualifications of personnel making the inspection, the date of the inspection, observations relating to the implementation of the SWPPP, and any actions taken as a result of incidents of noncompliance noted during the inspection. The inspection report should state whether the site was in compliance or identify any incidents of noncompliance. The contractor shall keep a copy of the inspection reports on site and permanently for a period of two years following construction. The on-site reports may be requested by inspections conducted by the local governing authority.

Construction Entrance
Locations where vehicles exit the site shall be inspected for evidence of off-site sediment tracking. Each contractor and subcontractor shall be responsible for maintaining the Construction Entrance and other controls as described in this SWPPP.

Material Storage Inspections
Inspectors must evaluate areas used for storage of materials that are exposed to precipitation. The purpose is to ensure that materials are protected and/or impounded so that pollutants cannot discharge from storage areas. Off-site material storage areas used solely by the subject project are considered to be part of the project and must be included in the erosion control plans and the site inspection reports.

Soil Stabilization Inspections
Seeded areas will be inspected to confirm that a healthy stand of vegetation is maintained. The site has achieved final stabilization once all areas are covered with pavement or have a stand of vegetation with at least 70% of the background vegetation density. The density of 70% or greater must be maintained to be considered as stabilized. The operator or their representative will water, fertilize, and reseed disturbed areas as needed to achieve this goal.

Erosion and Sediment Control Inspections
All controls should be inspected at least once every seven (7) calendar days and following any storm event of 0.5 inch or greater. The following is a list of inspection/maintenance practices that will be used for specific controls:

1. Geotextiles/Erosion Control Mats: Missing or loose matting must be replaced or re-anchored.
2. Inlet Protection: If silt fence inlet protection is to be used, sediment should be removed when it reaches approximately one-half the height of the fence. If a sump is used, sediment should be removed when the volume of the basin is reduced by 50%.
3. Diversion Swales: Clean debris or other obstructions as needed. Damage from storms or normal construction activities (i.e., tire ruts) shall be repaired immediately.
4. Mulching: Inspect for thin or bare spots caused by natural decomposition or weather-related events. Mulch in high traffic areas should be replaced on a regular basis to maintain uniform protection.
5. Sediment Trap: Accumulated silt shall be removed and the basin shall be re-graded to its original dimensions at such point that the capacity of the impoundment has been reduced to one-half of its original storage capacity. The removed sediment shall be stockpiled or redistributed in areas that are protected from erosion.
6. Sediment Basin: Inspect frequently to check for damage and to ensure obstructions are not diminishing the effectiveness of the structures. Sediment shall be removed and the basin shall be re-graded to its original dimensions at such point that the capacity of the impoundment has been reduced to 20% of its original storage capacity. The removed sediment shall be stockpiled or redistributed in areas that are protected from erosion.
7. Silt Fence: Removal of built-up sediment will occur when the sediment reaches one-third the height of the fence.
8. Stabilized Construction Entrance: Periodic re-grading and top dressing with additional stone.
9. Straw Bales: Replace straw bales that show signs of deterioration.
10. Vegetation: Protect newly seeded areas from excessive runoff and traffic until vegetation is established. Establish a watering and fertilizing schedule.
11. Good Housekeeping: Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges through screening of outfalls and daily pickup of litter.

In the event that sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize adverse impacts. An example of this may be the situation where sediment has washed into the street and could be carried into the storm sewers by the next rainfall and/or pose a safety hazard to users of public streets.
Modifications/Revisions to SWPPP.

Based on inspection results, any necessary modification to this SWPPP shall be implemented within seven calendar days of the inspection. A modification is necessary if a control measure or operational procedure does not provide adequate pollutant control. All revisions shall be recorded on a Record of Revisions within seven calendar days of the inspection.

It is the responsibility of the operator to maintain effective pollutant discharge controls. Physical site conditions or contractor/subcontractor practices could make it necessary to install more controls than were originally planned. For example, localized concentrations of surface runoff or unusually steep areas could require additional silt barrier or other structural controls. Assessing the need for and installing additional controls will be a continuing contractor/subcontractor responsibility until final stabilization is achieved. Contractors and subcontractors implementing this SWPPP must remain alert to the need to periodically refine and update this SWPPP in order to accomplish the intended goals.

Notice of Termination
Compliance of the site with the General Construction Permit remains the responsibility of all operators that have submitted an NOI until such time as they have submitted a Notice of Termination (NOT). The permittee's authorization to discharge under the General Construction Permit terminates at midnight of the day the NOT is signed.

All permittees must submit an NOT within thirty (30) days after one or more of the following conditions have been met:

1. Final stabilization has been achieved on all portions of the site for which the permittee was responsible.

2. Another operator/permittee has assumed control over all areas of the site that have not been finally stabilized.

3. In residential construction operations, temporary stabilization has been completed and the residence has been transferred to the homeowner.

B12 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION RELATIVE TO LAND-DISTURBING ACTIVITIES

1. Schedule pre-construction meeting with local stormwater authority.
2. Install construction entrance. Please see C501 Erosion Control Plan for location of Construction Entrance.
3. Utilize the gravel construction entrance for installation of the perimeter silt fence. Add stone if needed. Post the NOI at the entrance. Add protection measures to existing inlets.
4. Install staging area, fueling station, material storage area and concrete truck washout.
5. Strip the top soil and grade.
6. Complete the cut and fills on the site. Final grade and seed the pond slopes. Install check dams or stabilize the slopes with erosion control blankets.
7. Prior to building construction install stone surface for paved areas.
8. Building pads left dormant for more than 15 days, must be temporarily seeded.
9. Start building construction. Install staging area for building materials.
10. Install storm sewer and other utilities. Provide inlet protection immediately upon completion of the inlet and install riprap outlet protection prior to installing outlets. Final grade and stabilize slopes when inlets are functioning.
11. Seed the perimeter of the site.
12. Complete utility installation, curbs, paving and building construction.
13. Install landscaping plant material and stabilize all disturbed areas.

Surface stabilization is required on any un-vegetated areas that are left idle or scheduled to be life inactive for 7 days or more must be temporality or permanently stabilized. Stabilization must be initiated by the end of the 7th day. The stabilization activity must be completed with 14 days after initiation.

Final stabilization of a project site is achieved when all land disturbing activities have been completed and a uniform perennial vegetative cover with a density of seventy percent (70%) has been established on all unpaved disturbed areas.
Remove all erosion and sediment control practices when project site achieves final stabilization.

Submit notice of termination (NOT) inspection request to Town prior to filing NOT with IDEM.

B13 EROSION AND SEDIMENT CONTROL SPECIFICATIONS FOR INDIVIDUAL BUILDING LOTS

Since the entire site is under a single ownership, there are not any individual building lots.

B14/B15 MATERIAL HANDLING AND SPILL PREVENTION AND RESPONSE PLAN

Solid Waste Disposal
No solid material, including building materials, is permitted to be discharged to surface waters or buried on site. All solid waste materials, including disposable materials incidental to the construction activity, must be collected in containers or closed dumpsters. The collection containers must be emptied periodically and the collected material hauled to a landfill permitted by the State and/or appropriate local municipality to accept the waste for disposal.

A foreman or supervisor should be designated in writing to oversee, enforce, and instruct construction workers on proper solid waste procedures.

Hazardous Waste
Whenever possible, minimize the use of hazardous materials and generation of hazardous wastes. All hazardous waste materials will be disposed in the manner specified by federal, state, or local regulations or by the manufacturer.

Use containment berms in fueling and maintenance areas and where potential for spills is high.

A foreman or supervisor should be designated in writing to oversee, enforce and instruct construction workers on proper hazardous waste procedures. The location of any hazardous waste storage areas should be indicated on the stormwater pollution prevention plan by the operator following on-site location of the facility.

Dust Control/Off-Site Vehicle Tracking
During construction, water trucks should be used, as needed, by each contractor or subcontractor to reduce dust. After construction, the site should be stabilized to reduce dust.

Construction traffic should enter and exit the site at a Construction Entrance with a rock pad or equivalent device. The purpose of the rock pad is to minimize the amount of soil and mud that is tracked onto existing streets. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts.

Sanitary/Septic
Contractors and subcontractors must comply with all state and local sanitary sewer, portable toilet, or septic system regulations. Sanitary facilities shall be provided at the site by each contractor or subcontractor throughout construction activities. The sanitary facilities should be utilized by all construction personnel and be serviced regularly. All expenses associated with providing sanitary facilities are the responsibility of the contractors and subcontractors. The location of any sanitary facilities should be indicated on the stormwater pollution prevention plan by the operator following on-site location of said facilities.

Water Source
Water used to establish and maintain grass, to control dust, and for other construction purposes must originate from a public water supply or private well approved by the State or local health department.

Equipment Fueling and Storage Areas
Equipment fueling, maintenance, and cleaning should only be completed in protected areas (i.e., bermed area). Leaking equipment and maintenance fluids will be collected and not allowed to discharge onto soil where they may be washed away during a rain event.

Equipment wash down (except for wheel washes) should take place within an area surrounded by a berm. The use of detergents is prohibited.

Hazardous Material Storage
Chemicals, paints, solvents, fertilizers, and other toxic or hazardous materials should be stored in their original containers (if original container is not resealable, store the products in clearly labeled, waterproof containers). Except during application, the containers should be kept in trucks or in bermed areas within covered storage facilities. Runoff containing such materials shall be collected, removed from the site, and disposed of in accordance with the federal, state, and local regulations.
As may be required by federal, state or local regulations, the Contractor should have a Hazardous Materials Management Plan and/or Hazardous Materials Spill and Prevention Program in place. A foreman or supervisor should be designated in writing to oversee, enforce, and instruct construction workers on proper hazardous materials storage and handling procedures. The location of any hazardous material storage areas should be indicated on the stormwater pollution prevention plan by the operator following on-site location of the storage areas.

Material Handling and Spill Prevention
Discharge of hazardous substances or oil into stormwater is subject to reporting requirements. In the event of a spill of a hazardous substance, the operator is required to notify the National Response Center (1-800-424-8802) to properly report the spill. In addition, the operator shall submit a written description of the release (including the type and amount of material released, the date of the release, the circumstances of the release, and the steps to be taken to prevent future spills) to the local governing authority. The SWPPP must be revised within 14 calendar days after the release to reflect the release, stating the information above along with modifications to minimize the possibility of future occurrences. Each contractor and subcontractor is responsible for complying with these reporting requirements.

Concrete Washout
All concrete trucks waste material shall be completely contained and disposed in accordance with all local, state, and federal regulations. A pit or container is required when cleaning concrete chutes.

Spill Response Plan
Minor - Small spills that typically involve oil, gasoline, paint, hydraulic fluid, etc., can be controlled by the first responder at the discovery of the spill.
- Contain spill to prevent material from entering storm or ground water. Do not flush with water or bury.
- Use absorbent material to clean-up spill material and any subsequently contaminated soil and dispose of properly.

Semi-Significant Spills - Approximately ten gallons or less of pollutant with no contamination of ground or surface waters. Minor spills can be generally controlled by the first responder with help from other site personnel. This response may require other operations to stop to make sure the spill is quickly and safely addressed. At the discovery of the spill:
- Contain spill to prevent material from entering storm or ground water. Do not flush with water or bury.
- Use absorbent material to clean-up spills and dispose of properly. Spills on impervious surfaces should be disposed of as soon as possible to prevent migration deeper into the soil and groundwater. Dispose of contaminated soils or absorbents properly.
- Contact 911 if the spill could be a safety issue.
- Contact supervisors and designated site inspectors immediately.
- Contaminated solids are to be removed to an approved landfill.

Major or Hazardous Spills - More than ten gallons, there is the potential for death, injury or illness to humans or animals, or has the potential for surface or groundwater pollution.
- Control or contain the spill without risking bodily harm. Temporarily plug storm drains if possible to prevent migration of the spill into the stormwater system.
- Immediately contact the local Fire Department at 911 to report any hazardous material spill.
- Contact supervisors and designated site inspectors immediately. Governing authorities responsible for storm water facilities should be contacted as well. The contractor is responsible for having these contact numbers available at the job site. A written report should be submitted to the owner as soon as possible.
- As soon as possible but within 2 hours of discovery, contact the local agency responsible for spill management. The following information should be noted for future reports to the agency:
  - Name, address and phone number of person making the spill report
  - The location of the spill
  - The time of the spill
  - Identification of the spilled substance
  - Approximate quantity of the substance that has been spilled or may be further spilled
  - The duration and source of the spill
  - Name and location of the damaged waters
  - Name of spill response organization
  - What measures were taken in the spill response
  - Other information that may be significant

Additional regulations or requirements may be present. A spill response professional should be consulted to make sure all appropriate and required steps have been taken. Contaminated solids should only be removed from the site after approval is given by the appropriate agency.

IDEM Emergency Phone Number: (888) 233-7745

C1 DESCRIPTION OF POLLUTANTS AND THEIR SOURCES ASSOCIATED WITH THE PROPOSED LAND USE

The proposed land use is a INSTITUTIONAL The pollutants and sources of each pollutant normally expected from this type of land use are listed below:

Pollutant Source: Passenger vehicles, delivery vehicles.
Type of Pollutant: Oil, gasoline, diesel fuel, any hydrocarbon associated with vehicular fuels and lubricants, grease, antifreeze, windshield cleaner solution, brake fluid, brake dust, rubber, glass, metal and plastic fragments, grit, road de-icing materials.

Pollutant Source: Building
Type of Pollutant: Cleaning solutions or solvents, leaks from HVAC equipment, grit from roof drainage, aggregate or rubber fragments from roofing system.

Pollutant Source: Trash dumpster
Type of Pollutant: Cleaning solutions or solvents, litter (paper, plastic, general refuse associated with distribution operations), uneaten food products, bacteria.

Pollutant Source: Parking lot
Type of Pollutant: Any pollutant associated with vehicular sources, grit from asphalt wearing surface, bituminous compounds from periodic maintenance (sealing, resurfacing and patching), pavement de-icing materials, paint fragments from parking stall stripes, concrete fragments, wind-blown litter from off-site sources, elevated water temperatures from contact with impervious surfaces.

Pollutant Source: Lawn and landscape areas
Type of Pollutant: Fertilizers, soil, organic material (leaves, mulch, grass clippings)

C2 DESCRIPTION OF PROPOSED POST-CONSTRUCTION STORMWATER QUALITY MEASURES

Vegetated Swale
Vegetated swales are designed to reduce pollutants and sediment loads in storm water runoff. Storm water runoff is directed into the swale which conveys the runoff from the site. While moving through the swale, runoff velocity is greatly descreased allowing biofiltration (uptake of nutrients by plants), infiltration (percolation of water through the swale's porous soil substrate), and sedimentation (settling out of later suspended particles.)

Permanent Vegetation
Topsoil will be placed in lawn areas and seeded with grass, and graded not to exceed 3:1 slopes. Proposed landscape trees and shrubs will also be added. These Bio areas will act as a natural filter strip to help improve storm water quality. The vegetated areas will slow the velocities of storm water runoff, reduce sediment runoff, and reduce problems associated with mud or dust from bare soils.

Mechanical BMP (Arcadia, etc.)
Six (6) total BMP structures will be installed upstream of the two seperate underground detention layouts to provide water quality measures. The primary purpose of the BMP is to remove sediment, oils and floatable debris from the stormwater prior to discharging from the site.

Good Housekeeping Measures
Good Housekeeping measures such as regular street sweeping, installation of trash receptacles, and reduction in fertilizer overspray can be incorporated by the owner and/or occupant.

Isolator Row (or similar)
The isolator row is a filter fabric media that filters out sediment and other contaminants as storm water exits through the fabric.

Proposed Detention Basin
Basins collect, temporarily hold, and gradually release excess storm water from storm events. Detention is achieved through the use of an outlet structure that regulates the rate of storm water outflow.

North Basin:
Pre-construction 10-year discharge: 23.72 cfs
Post-construction 10-year discharge: 3.02 cfs
Pre-construction 100-year discharge: 41.12 cfs
Post-construction 100-year discharge: 6.07 cfs

South Basin:
Pre-construction 10-year discharge: 18.83 cfs
Post-construction 10-year discharge: 3.16 cfs
Pre-construction 100-year discharge: 31.25 cfs
Post-construction 100-year discharge: 6.37 cfs

C3 LOCATION, DIMENSIONS, SPECIFICATIONS, AND CONSTRUCTION DETAILS OF EACH STORMWATER QUALITY MEASURE

The following items are stormwater quality measures that will be installed during construction. These items will remain in place after construction is completed and are considered to serve an incidental function as post-construction stormwater quality BMPs.

Permanent vegetation, 6 hydrodynamic separator water quality units, and 2 underground detention basins with isolator rows for additional water quality will be installed to improve the existing runoff conditions. See sheets C400-C404 for the locations of the water quality units and detention systems, sheets C451, C452, C456, and C457 Utility Details Plans for details of underground detention and water quality units, and sheets C500-C504 and landscape plans for permanent vegetation.

C4 SEQUENCE DESCRIBING STORMWATER QUALITY MEASURE IMPLEMENTATION

The two underground stormwater detention basins will remain in place as permanent features after construction is completed. The purpose of the these measures is to restrict stormwater discharges and provide a sediment removal function.

Stormwater detention systems will be installed with the storm sewer network (refer to note B12 for sequencing of construction). The water quality BMPs will be installed with the storm sewer network. The water quality units shall be inspected and maintained during construction. The units shall be cleaned at the end of construction. The detention systems shall be inspected and cleaned if necessary at the end of construction. Permanent vegetation shall be provided when seasonally appropriate at completion of grading.

See C400-C408 Utility Plans for underground detention layout permanent locations.

C5 DESCRIPTION OF MAINTENANCE GUIDELINES FOR POST-CONSTRUCTION STORMWATER QUALITY MEASURES

Maintenance requirements for the stormwater quality measures which will remain in place after construction is complete, are described below. Refer to the BMP Operations and Maintenance Manual for more detailed maintenance requirements.

Vegetated Swale
Vegetated swales require little maintenance if properly designed. Mow as needed during the growing season; inspect for erosion problems twice during the first year, annually thereafter; and remove sediment, trash and debris annually or more frequently if needed.

Mechanical BMP - 6 total units
Frequent inspection and cleanout is critical for proper operation. Recommended inspection and maintenance schedules vary with each manufacturer.

Detention Basins (Underground) - 2 layouts
Inspect periodically as needed or at least every six months. Sediment shall be disposed of off site in accordance with all applicable laws.

C6 ENTITY THAT WILL BE RESPONSIBLE FOR OPERATION AND MAINTENANCE OF THE POST-CONSTRUCTION STORMWATER MEASURES

Name: Brownsburg Community School Corporation
Address: 310 S. Stadium Dr. Brownsburg, IN 46112
Representative: Shane Hacker
Title: Assistant superintendent for operations, Acting superintendent
Telephone: (317) 858 - 4104

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 1:57 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 BROWNSBURG HS EAST OF ODELL\2 DESIGN\CADD\C590 STORM WATER POLLUTION PROTECTION PLAN.DWG

Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
STORM WATER POLLUTION PROTECTION PLAN

CERTIFIED BY:
KELLY ANN CARRINGTON
REGISTERED
No. PE10800016
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C590

PROJECT NUMBER
2024.0150

NAVENTIAM DESIGN

ENGINEERING MEMORANDUM

TO: MARY ATKINS, PE, CPESC, WESSLER ENGINEERING
MICHAELA TAUIL, WESSLER ENGINEERING
TAYLOR MCNALLY-HENRIKSEN, WESSLER ENGINEERING

FROM: KELLY CANTER, PE, NAVENTIAM DESIGN
NICK BALENTINE, PE, NAVENTIAM DESIGN

SUBJECT: BROWNSBURG HIGH SCHOOL EAST ATHLETICS WAIVER REQUEST

DATE: NOVEMBER 17, 2025

CC: FILE, CONTEXT DESIGN, BCSC

The following is being submitted for TECH review for the Brownsburg Community School Corporation (BCSC) East Athletics project site. The project includes the construction of a new track facility, a synthetic turf softball field, a natural grass softball field, and a support building serving these facilities.

Overview

The Brownsburg High School Campus is located at 1000 South Odell Street. The site is located approximately 1/4 mile south of Tilden Drive along South Odell Street. The site is currently developed with youth softball and baseball fields and the current high school track facility, with associated parking lots. The proposed project consists of an 11,380 SF support building, a new track facility, a synthetic turf softball field, a natural grass softball field, a parking lot, associated utilities, and infrastructure.

As a representative for BCSC East Athletics: 1000 S. Odell Street Project, we are hereby requesting four variances from the Town of Brownsburg Standards for Stormwater Management Chapter 151 as outlined below:

Requirement: Chapter 151.21 D(1)(e): Storm sewer pipes shall have a minimum of twenty-four (24) inches of cover, measured from the crown of pipe to the ground surface.

Waiver Request: The proposed project has several grading challenges and therefore some of the pipe lengths have less than the minimum 24-inches of cover. Therefore, the proposed design of the pipe network meets the minimum 24 inches of cover when possible, except in the vicinity of the emergency flood routing north of the box culvert legal drain. Downstream outlet pipe elevation and existing site topography limit the emergency flood route's ability to provide required 24" minimum cover in all areas. A minimum of 18-inches of cover is provided and only impact section of pipe between Structures 92 to 91, 61 to 60, 49 to 45, 48 to 45, 45 to 44, 36 to 34, 35 to 34, 30 to 28.5, and 36 to 34. All pipes with less than the required 24-inches of cover are to be of a high strength material, called out on the plans as a Class V RCP pipe.

Requirement: Chapter 151.21 D(2)(c): A minimum drop of one-tenth (0.1) foot shall be provided in storm structures.

Waiver Request: In addition to ensure we have a minimum of 18-inches of cover over all the pipes and minimizing the amount of pipe sections that have less than the required 24-inches of cover, some of the

structures do not have the require 0.1-foot drop in pipe invert elevations. The 0.1-foot drop is maintained in all structures when possible except for Structures 21, 22, 25, 25.5, 26, 28, 28.5, 51, 54, 59, and 60.

Requirement: Chapter 151.21 K(3) "The lowest adjacent grade (including walkout basement floor elevation) of all residential, commercial, or industrial buildings must be located a minimum of two (2) feet above the one hundred-year (100-yr) (1% chance/year) flood elevation, the one hundred-year (100-yr.) (1% chance/year) pond elevation, or the emergency overflow weir elevation, whichever is higher. The lowest adjacent grade for all residential, commercial, and industrial buildings shall be set a minimum of one (1) foot above the noted overflow path/ponding elevation resulting from flood routing as described in § 151.21(I) and included on the final plat.

Waiver Request: Within the proposed project, the building FFE is set by the surrounding track and connecting sidewalk/plaza space. It is imperative that water is directed away from the building while maintain ADA compliancy due to the building location near the track. Therefore, we provide positive drainage away from the building and towards inlets but not to the degree of having 1 foot of elevation difference from the proposed FFE and the peak ponding elevation. Due to the grading constraints of the ADA maximum slopes around the proposed building and ensuring positive drainage to the inlets and storm sewer network to capture any and all disturbed area, the overflow peak ponding elevation is 879.69 to the building's east. The 879.69 ponding elevation is less than the 1-foot minimum Town requirement from the proposed FFE of 880.20. However, this is only for the emergency flood condition, where the assumption is that all inlets are 100% clogged; otherwise, the nearest adjacent inlet is at an elevation of 878.18 (2.02 feet below FFE).

Requirement: Chapter 151.27 C(1)(e): "An emergency overflow/spillway shall be designed for the release of exceptional storm runoff or in emergency conditions should the normal discharge devices become totally or partially inoperative. The overflow facility shall be of such design that its operation is automatic and does not require manual attention. At a minimum, emergency spillways shall be capable of handling 125% of the inlet peak discharge resulting from the 100-year storm event from the entire contributing watershed in the post-developed condition.

Waiver Request: Within the proposed project, all detention storage basins are underground and therefore we do not provide a traditional emergency overflow. However, in this project, the grades in the area are flat and will not support larger pipes that could carry the 125% of the peak inlet flow from the 100-year storm. In the emergency condition, the peak inflow will flood and store above the turf fields or in the parking lots. The underground detention systems have been over sized to handle more than the design 100-year storm event. The overflow will route through the emergency flood routing and either reconnect with the Mary E. Wilson Legal Drain open ditch or S. Odell Street Right-of-Way.

Approving these waivers would be beneficial and relieve the property of unnecessary hardship to this project due to tight site constraints. Thank you for your consideration in this matter.

If you have any questions, please feel free to contact our office at (888) 369-7271.

Sincerely,

Kelly Canter, PE
Naventiam Design
Project Manager

EXTERIOR LIGHT FIXTURE SCHEDULE

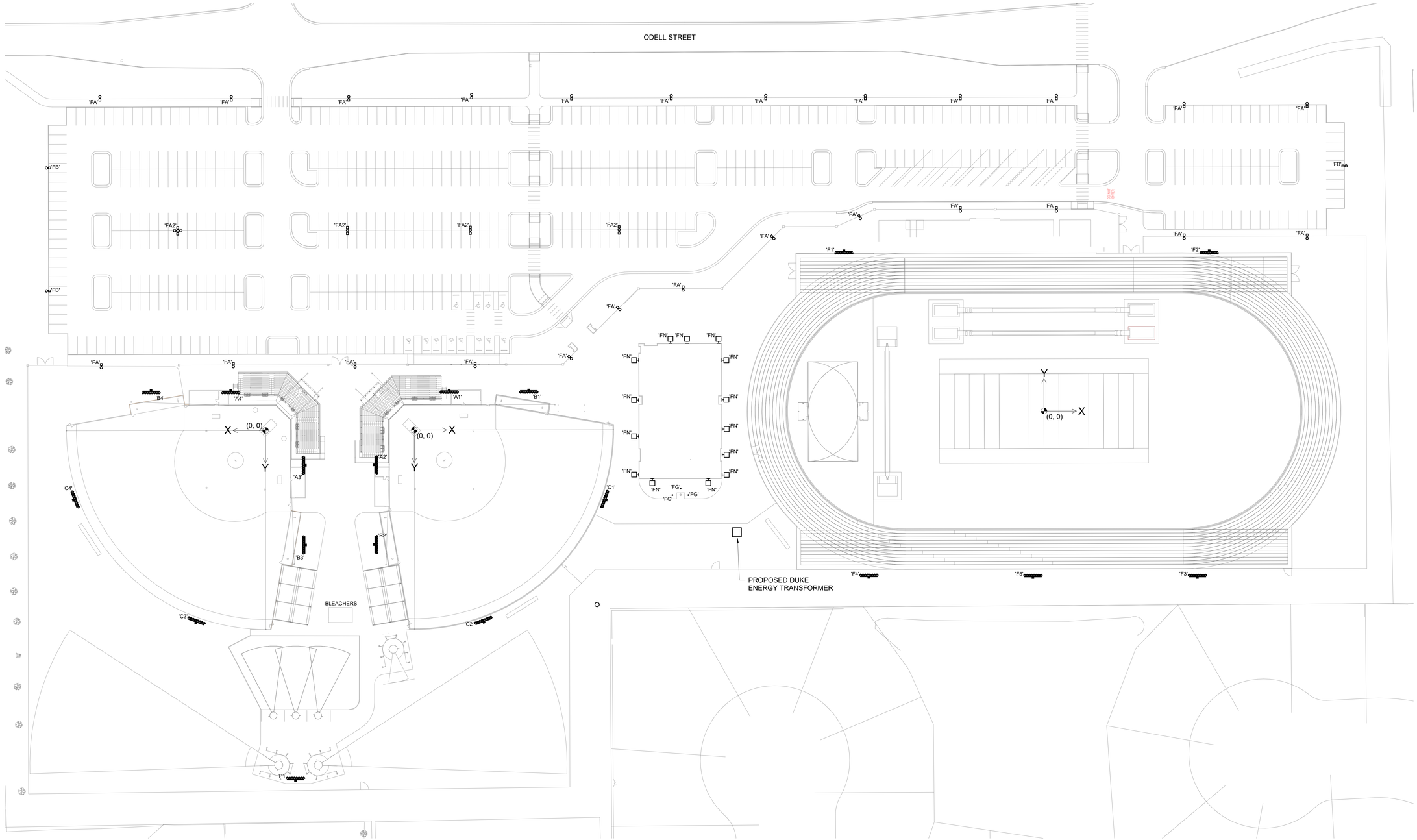
MARK	DESCRIPTION	MOUNTING	WATTS	CRI	COLOR	LUMENS	VOLTS	MANUFACTURER(S)	MARK
AX	SOFTBALL FIELD SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	10500 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	AX
BX	SOFTBALL FIELD SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	10500 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	BX
CX	SOFTBALL FIELD SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	10500 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	CX
FA	LED AREA LIGHT, TYPE 4 DISTRIBUTION, 25-FOOT TALL NON-TAPERED STEEL POLE, QUANTITY OF LIGHT HEADS AS INDICATED, WET LOCATION LISTED, BLACK POWDERCOAT FINISH, 0-10V DIMMING, WIRELESS CONTROLS, INTEGRAL OCCUPANCY SENSOR.	POLE	150 W	70	5700K	22,953/HEAD	120-277V	ENERGY HARNESS EHF-ST3 SERIES NO EQUALS	FA
FA2	LED AREA LIGHT, TYPE 4 DISTRIBUTION, 25-FOOT TALL NON-TAPERED STEEL POLE, QUANTITY OF LIGHT HEADS AS INDICATED, WET LOCATION LISTED, BLACK POWDERCOAT FINISH, 0-10V DIMMING, WIRELESS CONTROLS, INTEGRAL OCCUPANCY SENSOR.	POLE	300 W	70	5700K	22,953/HEAD	120-277V	ENERGY HARNESS EHF-ST3 SERIES NO EQUALS	FA2
FB	LED AREA LIGHT, TYPE 3 DISTRIBUTION, 25-FOOT TALL NON-TAPERED STEEL POLE, QUANTITY OF LIGHT HEADS AS INDICATED, WET LOCATION LISTED, BLACK POWDERCOAT FINISH, 0-10V DIMMING, WIRELESS CONTROLS, INTEGRAL OCCUPANCY SENSOR.	POLE	150 W	70	5700K	22,953/HEAD	120-277V	ENERGY HARNESS EHF-ST3 SERIES NO EQUALS	FB
FG	COMPACT FLAG POLE LED FLOOD LIGHT, IP66 RATED, BLACK FINISH, THREADED ADJUSTABLE KNUCKLE MOUNTING.	GROUND	40 W	70	5000K	5000	120-277V	COLUMBIA RFL2 SERIES	FG
FN	ARCHITECTURAL WALL PACK, FULL-CUTOFF, WET LOCATION LISTED, BLACK FINISH.	SURFACE WALL	40 W	70	5000K	5400	120-277V	ENERGY HARNESS EHF-WPR-40 SERIES NO EQUALS	FN
FX	TRACK AND FIELD SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	12540 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	FX
PX	FIELD EVENTS SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	10500 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	PX

GENERAL NOTES:

1. PROVIDE CONCRETE BASES FOR POLE LIGHTING.
2. ALL SITE UTILITY WORK SHALL BE COORDINATED WITH DUKE ENERGY. PERFORM ALL SERVICE WORK IN COMPLIANCE WITH DUKE ENERGY "GOLD BOOK" AND TRANSFORMER CONCRETE PAD REQUIREMENTS.
3. COORDINATE CONDUIT ROUTING WITH ALL OTHER SITE UTILITIES.
4. FOR ENERGY HARNESS POLE LIGHTS - OWNER WILL FURNISH THE ENERGY HARNESS FIXTURES AND THE E.C. WILL PROVIDE ALL CONDUIT, WIRING, POLES, POLE BASES, AND INSTALL THE FIXTURES IN THE LOCATIONS INDICATED.

(#) PLAN NOTES:

1. DUKE ENERGY TRANSFORMER. COORDINATE EXACT LOCATION WITH DUKE ENERGY. PROVIDE "PIT PAD" PER DUKE ENERGY PAD MOUNT TRANSFORMER CONCRETE FOUNDATION SPECIFICATIONS. MOUNT METER ON TRANSFORMER. COORDINATE ALL WORK WITH DUKE ENERGY.



SITE PLAN - LIGHTING LAYOUT

SCALE: 1" = 40'-0"

NORTH

0 10 20 40 80 120 160

1 2 3 4

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

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DA#24095

R.E. Dimond
Consulting Engineers
7250 Woodland Drive, Suite 300
Indianapolis, IN 46204
P: (317) 634-4672 F: (317) 638-8725 www.redimond.com

PROJECT:

2024 BROWNSBURG HIGH SCHOOL
EAST OF ODELL
TAC SUBMISSION
1548 S. ODELL ST. BROWNSBURG, IN 46112

SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The Contract Documents are complementary and describe all work required for full performance and completion of the requirements of the Contract.
The Trade Contractors shall furnish all scope indicated or described. the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
10/06/2025	JPS	JPS

DRAWING TITLE:
TAC
SUBMISSION -
LIGHTING

CERTIFIED BY:

10/06/25

DRAWING NUMBER
ET100

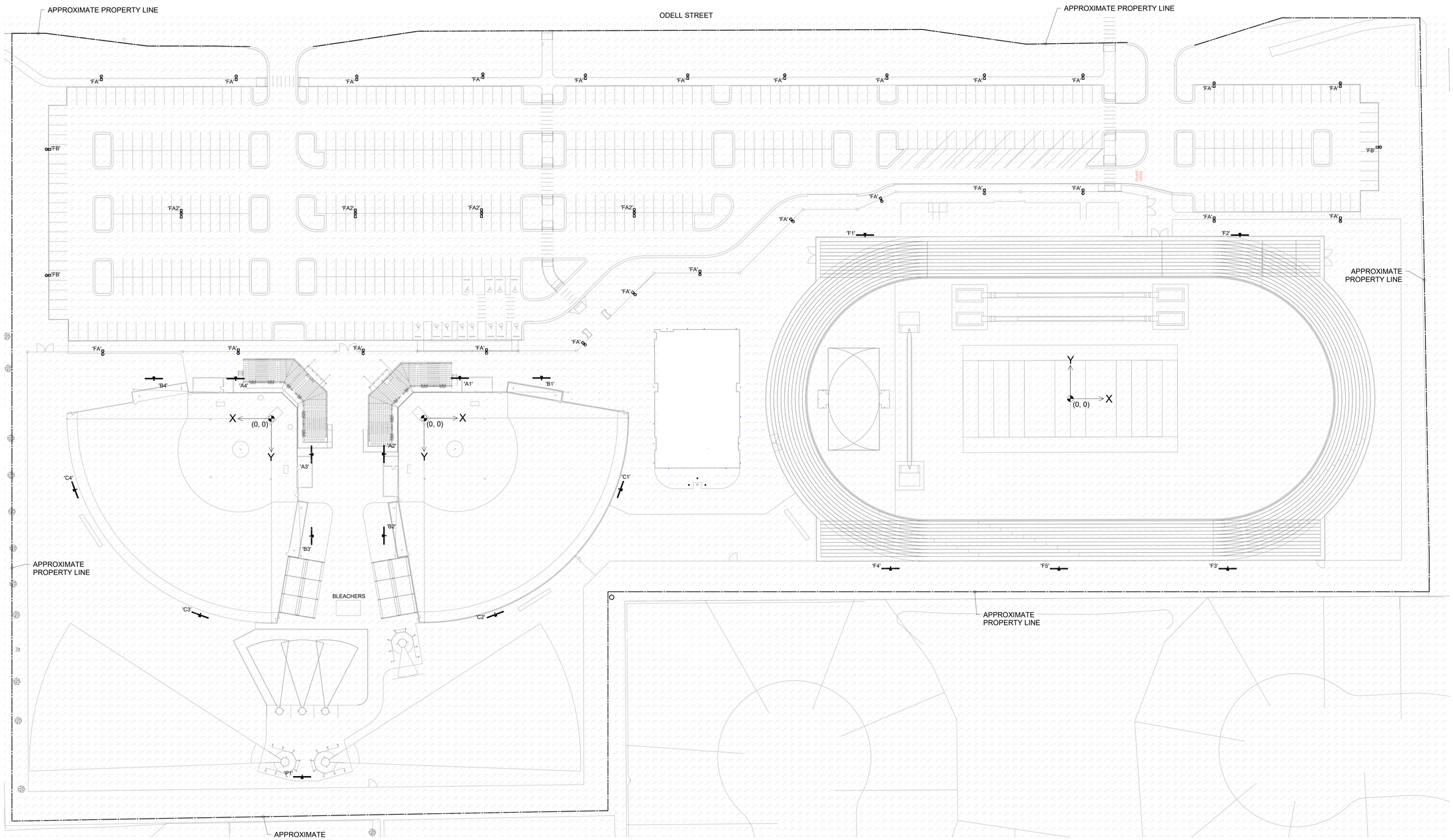
PROJECT NUMBER
2024038

EXTERIOR LIGHT FIXTURE SCHEDULE - PHOTOMETRICS

MARK	DESCRIPTION	MOUNTING	WATTS	CRI	COLOR	LUMENS	VOLTS	MANUFACTURER(S)	MARK
AX	SOFTBALL FIELD SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	10500 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	AX
BX	SOFTBALL FIELD SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	10500 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	BX
CX	SOFTBALL FIELD SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	10500 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	CX
FA	LED AREA LIGHT, TYPE 4 DISTRIBUTION, 25-FOOT TALL NON-TAPERED STEEL POLE, QUANTITY OF LIGHT HEADS AS INDICATED, WET LOCATION LISTED, BLACK POWDERCOAT FINISH, 0-10V DIMMING, WIRELESS CONTROLS, INTEGRAL OCCUPANCY SENSOR.	POLE	150 W	70	5700K	22,953/HEAD	120-277V	ENERGY HARNESS EHF-ST3 SERIES NO EQUALS	FA
FA2	LED AREA LIGHT, TYPE 4 DISTRIBUTION, 25-FOOT TALL NON-TAPERED STEEL POLE, QUANTITY OF LIGHT HEADS AS INDICATED, WET LOCATION LISTED, BLACK POWDERCOAT FINISH, 0-10V DIMMING, WIRELESS CONTROLS, INTEGRAL OCCUPANCY SENSOR.	POLE	300 W	70	5700K	22,953/HEAD	120-277V	ENERGY HARNESS EHF-ST3 SERIES NO EQUALS	FA2
FB	LED AREA LIGHT, TYPE 3 DISTRIBUTION, 25-FOOT TALL NON-TAPERED STEEL POLE, QUANTITY OF LIGHT HEADS AS INDICATED, WET LOCATION LISTED, BLACK POWDERCOAT FINISH, 0-10V DIMMING, WIRELESS CONTROLS, INTEGRAL OCCUPANCY SENSOR.	POLE	150 W	70	5700K	22,953/HEAD	120-277V	ENERGY HARNESS EHF-ST3 SERIES NO EQUALS	FB
FG	COMPACT FLAG POLE LED FLOOD LIGHT, IP66 RATED, BLACK FINISH, THREADED ADJUSTABLE KNUCKLE MOUNTING.	GROUND	40 W	70	5000K	5000	120-277V	COLUMBIA RFL2 SERIES	FG
FN	ARCHITECTURAL WALL PACK, FULL-CUTOFF, WET LOCATION LISTED, BLACK FINISH.	SURFACE WALL	40 W	70	5000K	5400	120-277V	ENERGY HARNESS EHF-WPR-40 SERIES NO EQUALS	FN
FX	TRACK AND FIELD SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	12540 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	FX
PX	FIELD EVENTS SPORTSLIGHT ASSEMBLY, INCLUDING ALL CONTROLS AND ACCESSORIES.	POLE	10500 W	70	5700K	8992/HEAD	480V	MUSCO SPORTLIGHTS OR APPROVED EQUAL	PX

NOTE:

ALL CALCULATIONS INDICATED ARE IN LUX AT GROUND LEVEL.



SITE PLAN - LIGHTING PHOTOMETRICS

SCALE: 1" = 40'-0"

NORTH

0 10 20 40 80 120 160

1 2 3 4

Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 46240
317.848.7800 | csoinc.net

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DA#24095

R.E. Dimond
Consulting Engineers
7250 Woodfield Crossing Blvd., Suite 300
Indianapolis, IN 46224
P: (317) 634-4672 F: (317) 638-8725 www.redimond.com

PROJECT:

2024 BROWNSBURG HIGH SCHOOL
EAST OF ODELL

TAC SUBMISSION

1548 S. ODELL ST. BROWNSBURG, IN 46112

SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of construction and materials required for the work.

The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.

On the basis of the general scope indicated or described, the Contractor shall furnish all labor and materials required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
10/06/2025	JPS	JPS

DRAWING TITLE:

TAC SUBMISSION - LIGHTING PHOTOMETRICS

CERTIFIED BY:

10/06/25

DRAWING NUMBER

ET101

PROJECT NUMBER

2024038

TOWN OF Brownsburg

AFFIDAVIT & CONSENT OF PROPERTY OWNER

That I/We Shane Hacker, Brownsburg Community School Corporation after first being duly sworn, depose and say:

That I am/we are the owner(s) of Real Estate located at: (Legal and/or common address)
1555 S Odell Street Brownsburg, IN 46112

Parcel Number(s): 32-07-23-200-006.000-016 & 32-07-23-200-007.000-016

That we have examined the application for a/an Development Plan Review (PSDP) on this property, and I/we are familiar with its contents. (application type)

That I/we have no objections to, and consent to such request as set forth in the application.

Signature of Affiant

Shane M Hacker
Printed Name

State of Indiana)
) SS:
County of Hendricks)

BEFORE ME, the undersigned, a Notary Public in and for said County and State, personally appeared Shane M Hacker, who acknowledged the execution of the above and foregoing instrument to its voluntary act and deed on the 24th day of September 20 25

9-18-2030
Commission Expiration Date

Hendricks
County of Residence

Notary

Regan L Huff
Printed Name

REGAN L HUFF
Notary Public, State of Indiana
Hendricks County
Commission Number NP0743704
My Commission Expires
09/18/2030

TOWN OF BROWNSBURG STORMWATER/DRAINAGE PLAN REVIEW

CO Comment Originator
CR Comment Respondee

NAME OF PROJECT: Brownsburg HS East Athletic Expansion
DESIGN PACKAGE: Development Plans
DESIGNER: Veridus Group

		Wessler - Reviewer to complete		Designer to complete	
No.	PAGE/SHEET REFERENCE	CO	COMMENT	CR	RESPONSE
1	Pipe Profile	RS	The Town prefers to see one tenth drop maintained in structures. If pipe cover must be reduced and engineering justification can be provided for the reduced cover that is preferred over not providing the one tenth drop.		
2	Flood Routing	RS	The Town requires a minimum of one foot elevation difference between peak ponding elevation of the localized flooding (100-yr under clogged conditions) and the FPG for adjacent buildings. The concession stand FPG appears to be less than one foot higher than the peak ponding elevation of 879.69		
3	Release Rate	RS	This comment will carry over until the Drainage Board approval later in November: Variations from the release rate requirements will need to be approved by the County Surveyor.		
4	Inlet Capacity	RS	Inlet #14 shows ponding under 50% clogged conditions to be over the maximum 6 inches allowed for the 10-yr storm.		
5	WQU	RS	Please include third party (independent) testing data showing that the selected WQUs remove 80% TSS at the 125 micron level.		

These comments should not be construed as a comprehensive list of comments, and the reviewer may make additional comments based on subsequent submittals

NAVENTIAM DESIGN

ENGINEERING MEMORANDUM

TO: LAUREN BOUSLOG, PLANNER, TOWN OF BROWNSBURG
MARY ATKINS, PE, CPESC, WESSLER ENGINEERING
MICHAELA TAUIL, WESSLER ENGINEERING
TAYLOR MCNALLY-HENRIKSEN, WESSLER ENGINEERING

FROM: KELLY CANTER, PE, NAVENTIAM DESIGN
NICK BALENTINE, PE, NAVENTIAM DESIGN

SUBJECT: BROWNSBURG HIGH SCHOOL EAST ATHLETICS ALLOWABLE RELEASE RATES

DATE: NOVEMBER 12, 2025

CC: FILE, CONTEXT DESIGN, BCSC

The following is being submitted for TECH review for the Brownsburg Community School Corporation (BCSC) East Athletics project site. The project includes the construction of a new track facility, a synthetic turf softball field, a natural grass softball field, and a support building serving these facilities.

Overview

Per the latest drainage comments received November 4, 2025. Documentation is to be submitted from the Hendricks County Drainage Board allowing for the relief from the allowable release rates per ordinance.

Per the recommendation for approval letter from David L. Gaston, P.S. (Hendricks County Surveyor), “the designers are requesting that the allowable release rates for the developed conditions be 0.3 cfs/acre for the 10-year storm event making is 3.05 cfs for the north basin and 3.19 cfs for the south basin cfs, and 0.6 cfs/acre for the 100-year storm event making it 6.11 cfs for the north basin and 6.38 cfs for the south basin. These values differ from the standards being 0.1 cfs/acre for the 10-year storm event and 0.3 cfs/acre for the 100-year storm event. Per the Preliminary and Final Approval signed by the Hendricsk County Drainage Board the project, and its proposed release rates have been approved per the November 12, 2025 meeting.

The proposed release rates were included with the Technical Information Report given to the Town of Brownsburg for TECH review.

If you have any questions, please feel free to contact our office at (888) 369-7271.

Sincerely,

Kelly Canter, PE
Naventiam Design
Project Manager

HENDRICKS COUNTY DRAINAGE BOARD

Bob Gentry, President
Dennis W. Dawes, Vice President — **Jack P. Maloney, Member**
Brad Whicker, Member — **Michael A. Hession, Member**

PRELIMINARY & FINAL APPROVAL

RE: **S-09-25 (Brownsburg High School East Athletics– Naventiam Design) – Preliminary & Final**
2 lots on 20.45 acres in Lincoln Township, S14-T16N-R1E, located on the southwest corner of Tilden Drive and S Odell St. in the Town of Brownsburg. ***Mary Wilson #489 Regulated Drain and a $100/acre annual assessment***

The Hendricks County Drainage Board, in their meeting of November 12th, 2025, moved to grant **PRELIMINARY & *FINAL APPROVAL* OF S-09-25 (Brownsburg High School East Athletics** as recommended by the Hendricks County Surveyor's Office letter dated Novmeber 10th, 2025, and subject to the conditions therein:

1. The parcel owner, project engineer, contractor, and subcontractors must comply with all conditions of the Surveyor's Office Recommendation letter and all requirements of the Hendricks County Stormwater Drainage, Erosion, Sediment Control Ordinance, and approved plans.
2. All fees must be paid before the release of the Drainage Board's letter of approval.
3. The applicant must receive Plan Commission or Town Planning approval.
4. Drainage Assessment Fees must be paid annually.
5. **As-builts must be submitted to the Surveyor's Office when the drainage infrastructure construction is complete.**

Dated this 12th day of November 2025.

HENDRICKS COUNTY DRAINAGE BOARD:
(Appointed members of the Drainage Board by the Hendricks County Commissioners {Per 36-9-27-5 & 5-14-9-1})

Bob Gentry, President,
(appointed as county executive)

Dennis W. Dawes, Vice President,
(appointed as county executive)

Brad Whicker, Member,
(appointed as county executive)

Jack P. Maloney, Member
(appointed 1/1/2023-12/31/2026)

Michael A. Hession, Member
(appointed 11/26/2024-12/31/2027)

Hendricks County Surveyor

David L. Gaston P.S.

November 10th, 2025

Preliminary & Final Recommendation Letter

RE: **S-09-25 (Brownsburg High School East Athletics– Naventiam Design) – Preliminary & Final**
2 lots on 20.45 acres in Lincoln Township, S14-T16N-R1E, located on the southwest corner of Tilden Drive and S Odell St. in the Town of Brownsburg. ***Mary Wilson #489 Regulated Drain and a $100/acre annual assessment***

Dear Board Members:

Based on the review by the Hendricks County Surveyor's Office and Hendricks County Staff, the following items were noted:

Specific Conditions:

This project consists of the reconstructing of approximately 20 acres of athletic facilities at Brownsburg High School. This project is within the watershed of the Mary E. Wilson Legal Drain Realignment Project. The project is split into two basins, north and south, that both drain to the west towards Odell Street. The proposed north basin drains (8.38 acres) directly into a swale that flows north connecting to the Mary E. Wilson Legal Drain. The proposed south basin (12.45 acres) drains into a 30" storm sewer system that flows north and eventually outlets to the Mary E. Wilson Legal Drain. The proposed condition has an impervious area of 14.05 acres compared to the exiting impervious area of 10.64 acres. The proposed north and south basins will have underground detention system will be located beneath the parking lot and inside the track respectively.

The designers identified that the development is not encroaching on the Mary E. Wilson Legal Drain Easement on the north side of the site by marking the easement limits on the plans as shown on sheet C401 and L100.
After a review of the most recently provided information, the submittal appears to be in substantial compliance with the requirements of the Hendricks County Stormwater Management Ordinance and the Hendricks County Stormwater Technical Standards. Therefore, a recommendation for final approval of the stormwater management plan can be given at the November 12, 2025 Hendricks County Drainage Board meeting.

1.0 Variances/Encroachments

NOTE: The designers are requesting that the allowable release rates for the developed condition be 0.3 cfs/acre for the 10-year storm event making it 3.05 cfs for the north basin and 3.19 for the south basin cfs, and 0.60 cfs/acre for the 100-year storm event making it 6.11 cfs for the north basin and 6.38 cfs for the south basin. These values differ from the standards being 0.1 cfs/acre for the 10-year storm event cfs/acre for the 100-year storm event. The project was forwarded for coordination in June prior to submittal for consultation with the County. Based on the prior coordination the project is recommend for approval due to the overall flow rate to the Mary E. Wilson Drain values being lower in the proposed condition.

No error or omission in either the plans, calculations, or applications (whether said plans, calculations or applications have been reviewed by the review engineer or not) shall permit or release the applicant and designer from constructing this work in any other manner than that provided for in the County Ordinance.

******THE FINAL PLANS AND DRAINAGE REPORT ARE TO BE CERTIFIED ******

General Conditions:

1. The proposed plans must include erosion control measures as noted in the Hendricks County Stormwater Management Handbook, April 2024 Edition. Erosion and sediment control measures must adhere to, or exceed, those shown on the development plans per requirements of all the ordinances within the Hendricks County Stormwater Management Handbook, as well as IDEM Rule 5 – Stormwater run-off associated with construction activity, and any violation of the above-referenced rules will be the responsibility of the developer.
2. The owner of the land proposed for development is fully responsible for compliance with all the requirements and standards contained within the Hendricks County Stormwater Management Handbook, and as such, regardless of any deficient aspect of the design being listed in this letter of review.
3. The Hendricks County Surveyor's Office has reviewed this project based on the plans submitted by the developer and the project surveyor/engineer. These plans were reviewed for general compliance with the Hendricks County Stormwater Management Handbook. We have assumed the project surveyor/engineer has followed all appropriate engineering methods in this design. Any drainage problems associated with this project caused by poor construction by the contractor, poor engineering design, or judgment, either on-site or off-site, are the responsibility of the developer and the project engineer.
4. The Hendricks County Surveyor's Office must be notified at least seventy-two (72) hours before any site improvement is installed.
5. This project is subject to the National Pollution Discharge Elimination System (NPDES) regulations covering stormwater quality. A Notice of Intent (NOI) must be on file with the Indiana Department of Environmental Management (IDEM) before any land disturbance and construction activities on this project.
6. IDEM approval documentation must be submitted to the Clean Water Department prior to commencement of construction.
7. The applicant should note that this approval is for this drainage review only and should not be construed as a building permit or a waiver of any other applicable provisions of local zoning ordinances, utility regulations, or building codes.
8. Issuing this drainage approval does not relieve the property owner of the responsibility to obtain all other applicable permits, easements, or approvals that may be required for this project.
9. No error or omission in the plans, calculations, or applications shall permit or release the applicant and the surveyor/engineer/ or designer from constructing this work in any other manner than that provided in the Hendricks County Stormwater Management Handbook.
10. The applicant shall pay all Drainage Review fees if applicable. These fees must be paid before the letter of approval from the Hendricks County Drainage Board is released.
11. **WHEN THE DRAINAGE INFRASTRUCTURE CONSTRUCTION IS COMPLETE, THE AS-BUILT PLANS MUST BE SUBMITTED TO THE SURVEYOR'S OFFICE; FAILURE TO DO SO COULD RESULT IN A STOPWORK ORDER AND OR A FINE BEING ISSUED.**

Recommendation:

1) I recommend that the Hendricks County Drainage Board grant ***PRELIMINARY & FINAL APPROVAL,*** subject to the conditions of this letter, all the requirements and conditions of the Hendricks County Stormwater Management Handbook, April 2024 Edition, and Plan Commission or Town Planning approval.

Best Regards,

David L. Gaston P.S.
Hendricks County Surveyor

Advisory Plan Commission

Town of Brownsburg

Assigned Staff: Lauren Bouslog, Planner I

Report Date: 11/13/2025

Request Type: Development Plan Review

General Information

CASE NUMBER	PSDP-25-8
APPLICANT	Nick Balentine, Naventium Design
LOCATION	32-07-14-200-014.000-016, 32-07-14-200-005.000-016 & 32-07-14-200-005.000-016
PARCEL SIZE	20.82 acres

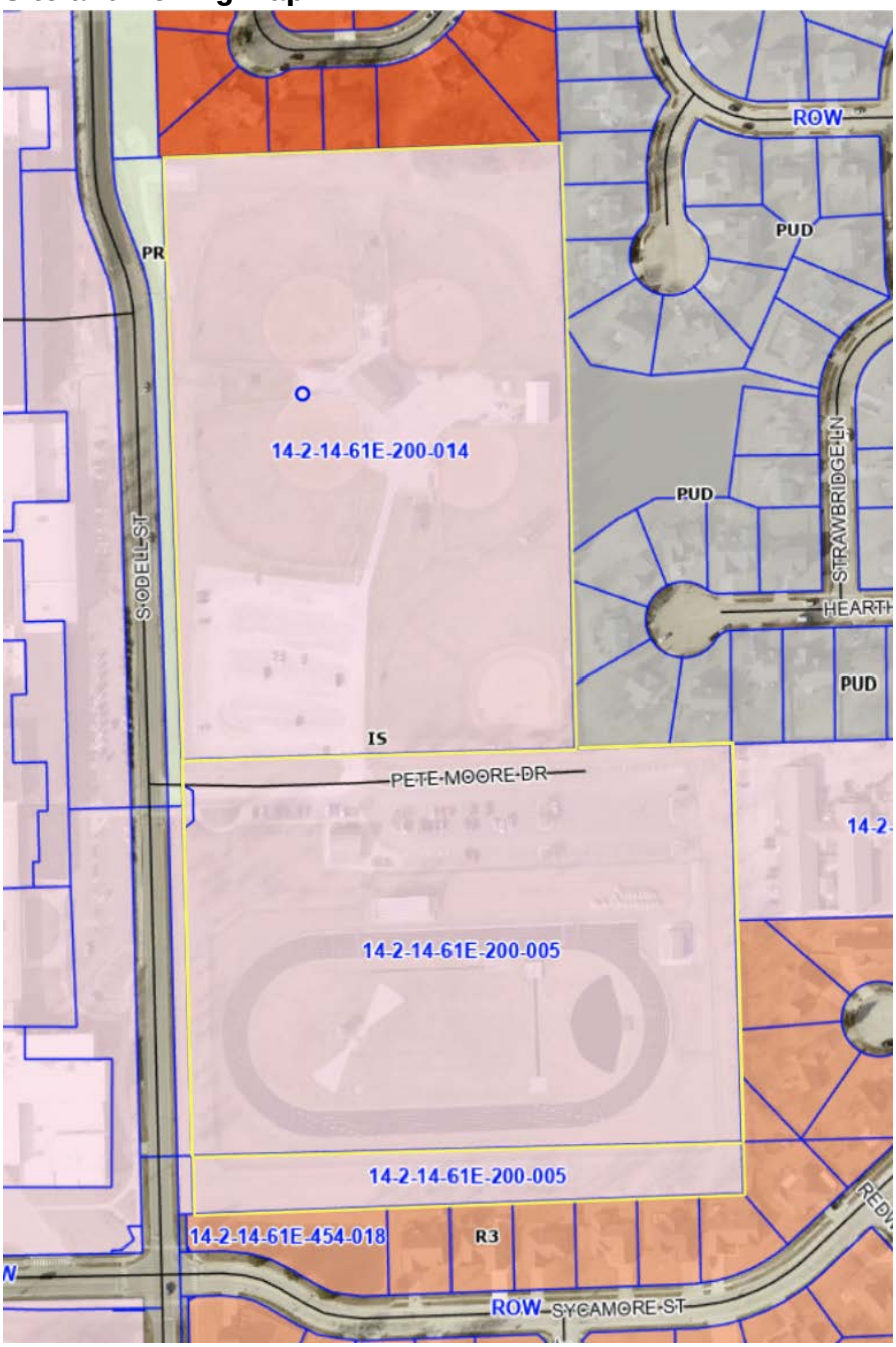
Cross References

Previous APC Cases	N/A
Relevant BZA Cases	BZDV-25-3; Development Standards Variance to maintain a low intensity landscaping buffer instead of a moderate intensity buffer required by the new UDO. BZDV-25-4; Development Standards Variance to allow fencing in the front yard of an institutional zoned property.
Other	The northern parcel that currently has softball fields on it across from the high school was annexed in under Ord. No. 1992-01 in 1992. The southern parcels were annexed under Ord. No. 1970-03 in 1970.

Attachments

☒	Tech Review & Response
☒	Site Plan/Civil
☒	Landscape Plan
☒	Architectural Plans
☒	Other: Lighting Plan, TECH Response, Waiver Requests

Site and Zoning Map:



Project and Site Background:

This project consists of construction for an approximately 11,380 square foot new building for concessions and athletics support, a new track and field facility, new softball fields, new parking lots and drives for improved pedestrian connectivity to the facilities and the associated utility connections and hardscape. New asphalt parking will be provided to replace the existing gravel parking lot for events and daily use by students. This site has two recent variances (BZDV-25-3 and BZDV-25-4) that were approved at the September 9, 2025 BZA meeting. BZDV-25-3 was a request to maintain a low intensity landscaping buffer instead of a moderate intensity buffer that is required by the new UDO. BZDV-25-4 was a request to allow fencing in the front yard of an institutional zoned property. The site will have two access points to Odell Street and both drives will line up across the street from the existing school entries to the west.

Technical Review:

The TECH review for this project took place on October 16, 2025. Planning Services commented that material percentages for each facade needed to be added to the architectural details attachment, square footage needed added to the proposed concession/ athletic support building, and vision clearance triangles needed added to the landscape plan. A public right-of-way designation needed to be put under Odell Street and a numerical designation needed added to the building setback. Building Services wanted clarification if the perimeter of the site would have an underdrain installed and if it would tie into the storm system. The Fire Territory scaled the drawings after conversations at the TECH meeting and found the distance from back of curb to the furthest points of the building exterior was approximately 280 feet. A fire department access gate and paving will be required to meet the requirement of Indiana Fire Code 503.11. The Police Department commented that the applicant should ensure there will be no landscape obstructions for egress traffic onto Odell Street and had concerns about parking issues during construction (if students or staff normally park in the lot). The Water Department commented that all hydrants shall be totally RED in color/ Red w/yellow bonnet signifies a private hydrant on a looped system. This proposed system is not looped, but a dead-end system. The 2” pipe is listed as ductile-iron, which they don’t make. The 2” pipe should be Endopure blue poly. The proposed building on the site shows a 2” line and a 3” line entering the building. There are no meters shown. The 2” line need to have a meter pit at its point of origin. There are water spigots on this line that need to be metered. There is an existing 2” meter service that could serve this purpose. All the new 2” line could be run from there. If this won’t work, a new meter pit will need to be installed and the existing 2” service will need to be abandon at the tap on the main. If a new 2” meter pit is needed, it should be ordered quickly because it may take several months to get it. No substitution pits will be allowed. At the 8” tap, the drawing shows two water mains. There should only be one and the applicant would find 6” ductile at that location.

Traffic Study:

A traffic study was not submitted for this project. The Street Department mentioned during the TECH review meeting that the road would need to have a full width resurface within the construction site from wing to wing of the accel/decel lanes with striping details.

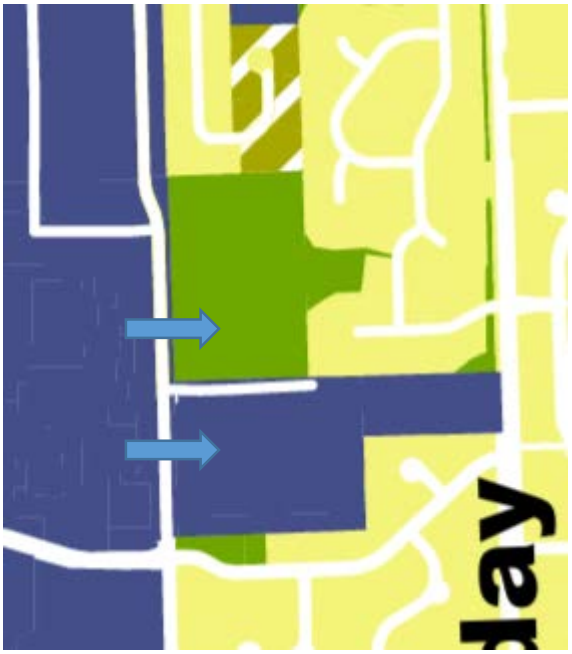
Criteria:

Pursuant to Chapter 8 of the Brownsburg Unified Development Ordinance the Advisory Plan Commission shall make findings of fact on the following criteria:

1) The Development Plan is consistent with the **Comprehensive Plan**.

   Future Land Use Map Link: https://www.brownsburg.org/DocumentCenter/View/1068/2021-Future-Land-Use-Map-PDF

   a) The Future Land Use Map notes this site as being used for Parks & Open Space and Public/Semi Public Uses. The proposed athletic centered facility will be used for recreation and is zoned as Institutional. This project is programmed infrastructure for the main institutional use (the school) across the street.



   Based on the above information, staff believes this criterion has been met.

2) The Development Plan complies with applicable development requirements and standards of **CHAPTER 2 – ZONING DISTRICTS, CHAPTER 3 – PERMITTED USES,** and/or the PUD Ordinance.

   https://www.brownsburg.org/DocumentCenter/View/3743/Brownsburg-UDO-PDF#page=14

   a) The project meets the lot coverage requirements for the district. The proposal has a lot coverage of 43.2% which is less that the max of 65%. The masonry on the new building on the site does not exceed the allotted 50' for a primary structure, the max height is 17'-4". The mechanical screen on top of the roof has a max height of 23'-8". Setbacks are correct and labeled on the plans.
   Based on the above information, staff believes this criterion has been met.

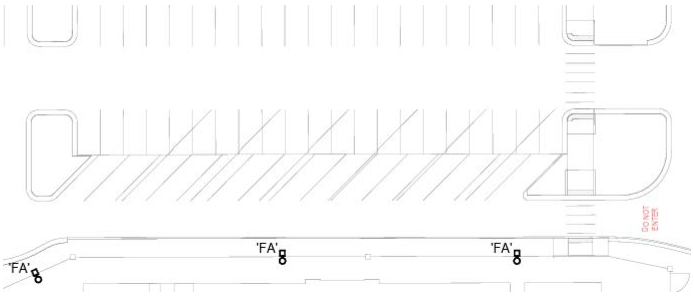
3) The Development Plan complies with applicable standards found in **CHAPTER 5: SITE DEVELOPMENT** and/or the PUD Ordinance.

https://www.brownsburg.org/DocumentCenter/View/3743/Brownsburg-UDO-PDF#page=101

a) *Landscaping*: The perimeter parking lot landscaping, interior parking lot landscaping, foundation plantings, street frontage, and buffers meet the standards. The low intensity buffer allowed by the variance (BZDV-25-3) required a 10' buffer yard width, 1 shade or evergreen tree per 50 linear feet, and three large shrubs per 50 linear feet. 7 shade trees, 8 evergreen trees, 15 ornamental trees, and 143 shrubs will be added along Odell Street to meet the street frontage requirement.

b) *Lighting*: The proposed lighting does not exceed the maximum 20 lux allotted. Light trespass is minimal near the abutting residential districts.

c) *Parking*: The site meets the parking standards, the lot will be paved not gravel. Some of the parking spaces on the north end of the site have been marked to be striped to accommodate buses for sporting events. Pedestrian crosswalks have also been clearly marked on the plans to highlight the enhanced connectivity.



d) *Vision Clearance Triangle*: There is not any landscaping within the vision clearance triangles. There is a typo on the labels on page L401 in the landscape plan, 'vision clarence triangle' needs changed to 'vision clearance triangle'.

Based on the above information, staff believes this criterion has been met.

4) The Development Plan complies with any **other applicable provisions** of this Ordinance or **Overlay Standards.**

a) No special provisions that relate to the plat are noted for this site. Overlay districts are not applicable to this project.

Based on the above information, staff believes this criterion has been met.

5) Satisfies any provision related to a development's design as found in **CHAPTER 7 – SUBDIVISION REGULATIONS** and/or the PUD Ordinance.

https://www.brownsburg.org/DocumentCenter/View/3743/Brownsburg-UDO-PDF#page=168

a) The project submittal has the easements marked on the site plan. Setbacks, lot coverage, and building height have also been met.
Based on the above information, staff believes this criterion has been met.

6) The Development Plan satisfies the construction requirements of the **Brownsburg Construction Standards and Specifications.**

a) This applicant applied for four stormwater waivers. Wessler Engineering and Kathy Dillon, Water Utilities Director of Storm and Sanitary, have reviewed and coordinated with the designer on the following 4 waiver requests:

1. Standard: Storm sewer pipes shall have a minimum of twenty-four (24) inches of cover, measured from the crown of pipe to the ground surface.
    - Wessler Response: A waiver for the amount of cover over a storm pipe is not necessary if there is an engineering justification provided. We are fine with the justification that has been provided by the applicant.
    - Wastewater Response: Agreed – The waiver documents the School's awareness of shallow infrastructure & the Town should not be liable for damages.
2. Standard: A minimum drop of one-tenth (0.1) foot shall be provided in storm structures.
    - Wessler Response: We are okay with this since the design does not seem to cause a hydraulic issue in the storm system. The Wastewater Department agreed.
3. Standard: The lowest adjacent grade for all residential, commercial, and industrial buildings shall be set a minimum of one (1) foot above the noted overflow path/ponding elevation resulting from flood routing.
    - Wessler Response: The designer has made adjustments in an attempt to accommodate this standard, but are limited by ADA requirements. The impacted building is a concession stand, and the ponding issue is under the condition of the 100-year storm with all inlets clogged or full to capacity. We are okay granting this waiver.
    - Wastewater Response: We suggest that there should be a statement included in their O&M manual explaining that there was a waiver approved as requested by the school and there will be times that ponding will be present around the concession stand building potentially limiting use or causing damage. Additionally, nearby inlets should be regularly inspected to remove accumulated materials and to prevent the clogging situation, which would result in ponding water near the building. (The applicant has submitted an updated O & M Manual that reflects this change)
4. Standard: Emergency overflow/spillway
    - Wessler response: In an underground system the overflow situation is different than an aboveground detention pond. If stormwater cannot get into the inlets and flow to the underground system then the emergency flood routing situation would apply instead of a spillway. No need for a waiver on this requirement. The Wastewater Department agreed.

Three waivers were granted excluding the fourth standard regarding emergency overflow/spillway.

Based on the above information, staff believes this criterion has been met.

Recommendations:

The Advisory Plan Commission may request conditions and commitments related to the project and criteria. Conditions or commitments must be made as part of the motion.

Based on the information provided and the criteria responses, staff recommends a motion to

☐	Approve PSDP-25-8 as presented.
☒	Approve PSDP-25-8 with the following staff conditions: 1. The approval of Findings of Fact and Report of Determination. 2. The stamping of the construction plans by the Director. 3. The completion of any outstanding TECH comments. 4. A full width resurface of Odell Street within the construction site from wing to wing of the accel/decel lanes with striping details per the Street Department's verbal TECH meeting comments.
☐	Deny PSDP-25-8 based on the following criteria:

OPERATIONS AND MAINTENANCE MANUAL

For

Stormwater System

at

Brownsburg High School East Athletics

1000 S Odell Street,

Brownsburg, IN 46112

By

Naventiam Design
5649 Lee Road, Suite 1
Indianapolis, IN 46112

For

Brownsburg Community School Corporation
310 S Stadium Dr
Brownsburg, IN 46112

June 24, 2025
Revised: October 30, 2025
Revised: November 17, 2025

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Appendix

A. Location

    a. Location Map

    b. Site/Utility Plan

B. Stormwater Management Details

C. Inspection and Maintenance Forms

D. Water Quality / BMP Manuals

Background

This manual will serve as an operations and maintenance guide for the storm water drainage infrastructure at the Brownsburg High School East Athletics project site located at the Northeast corner of S Odell Street and Sycamore Street. The project consists of approximately 11,380 sf building additions, a new track, two new turf softball fields, associated seating areas and press boxes, throwing areas and parking and access modifications as well as associated utilities and infrastructure to support the buildings and hardscape improvements.

The stormwater management system includes modification to the existing drainage infrastructure consisting of vegetated swales and storm sewer network, as well as provision for a new storm sewer network, two stormwater detention areas to address quantity and quality, and six water quality units.

The system includes two underground detention systems, each with an outlet control structure.

The majority of the new stormwater infrastructure outlets to the Mary E. Wilson Legal.

The location of the underground detention systems, water quality units, swales, inlets and pipe network are shown in the Appendix.

Required Inspections

It is essential that the stormwater management system is inspected. Inspection of the storm water components is necessary to check for failures, clogging, excess sediment or debris accumulation or any other condition that would require maintenance or repairs.

The owner shall keep an updated log book or inspection worksheets documenting the performance of the required operation and maintenance activities for perpetuity. Note inspection dates, facility components inspected, facility condition, and any maintenance performed or repairs made. Documentation must be produced upon the request of the Town of Brownsburg personnel, within forty-eight (48) hours of the request.

An inspection form customized to the site is located in the Appendix. Inspection frequency and inspection areas are noted.

Areas to be inspected include:

- Storm Sewer Network including Pipes, Inlets, and Manholes
- Trench Drain *Inspect every 6 months and every rainfall event exceeding 1.5”*
- Underground Detention System (2 locations) *Inspect every 6 months and every rainfall event exceeding 1.5”*
- Pipe outfall into underground detention basin (6 locations), Mary E. Wilson Legal Drain outlet (1 location)
- Detention System outlet control structure (2 locations) *Inspect every 6 months and every rainfall event exceeding 1.5”*
- Stormwater Quality Unit (Water Quality BMP) (6 locations) *Inspect every 6 months and every rainfall event exceeding 1.5”*

Required Maintenance

Regular maintenance of the storm water system will be necessary to ensure proper function. Regular maintenance includes the following:

- Regularly inspect inlets.
- Debris removal from inlet grates to prevent clogging situation, which would result in ponding water near the building
- Debris and sediment removal from storm sewer pipes, inlets, and manholes to prevent clogging situation, which would result in ponding water near the building
- Debris and sediment removal from trench drains to prevent clogging situation, which would result in ponding water near the building
- Debris and sediment removal from underground detention system outlet control structure
- Debris and sediment removal from Stormwater Quality Unit
- Debris and sediment removal from underground detention system

Operation and maintenance procedures and practices shall be reviewed and assessed annually (at a minimum.)

Implementation Schedule

See Appendix for Inspection and Maintenance Form for additional information regarding the minimum inspection and maintenance schedule for the property.

Employee Training

The school corporation shall assign specific individuals responsible for operation maintenance, and inspection of all on-site stormwater management facilities and BMPs.

Employee training shall be conducted so that these individuals are aware of proper procedures and practices. The training program shall occur annually before the onset of the new school calendar year. All personnel should be familiar with the components of the O&M manual and their personal level of responsibility.

Training documentation may be requested by the Town.

Right-of-Entry

Town or County Personnel have been granted access via the permit and Town approval to allow inspection and maintenance of the stormwater BMP's if necessary.

Drainage Easements

Drainage and access easements must be provided for the maintenance of the privately owned detention basin and water quality BMP. Easements provided as follows:

- Detention Basin: elevation of the emergency spillway design flow plus 20 feet (horizontally)
- Stormwater BMP: BMP footprint plus 15 feet in every direction horizontally
- Flood routing path/ponding area: Width of flood path/ponding area
- Access easement from driveway to the drainage easement

Drainage and access easements shall be maintained by the property owner.

Owner Contact

Brownsburg Community School Corporation is responsible for the maintenance of the storm water system at the Brownsburg HS East Athletics Project at the Brownsburg High School Parcel.
Contact information listed below.

Shane Hacker,
CHIEF OPERATIONS OFFICER
BROWNSBURG COMMUNITY SCHOOL CORPORATION
310 Stadium Drive
Brownsburg, IN 46112
shacker@brownsburg.k12.in.us
(O) 317-852-5726
(F) 317-852-1015

The Development Services Department must be notified of any changes in ownership, major repairs, or failure in writing within thirty (30) days.

The Owner acknowledges that the Town of Brownsburg has the right to enter the property to inspect the stormwater management facility or BMP.

The Owner acknowledges that the Town of Brownsburg has granted a waiver from Chapter 151.21 K(3) requested by the school to allow overflow path ponding elevations to be less than the one foot of difference from the building finished floor elevation. Therefore, ponding may be present around the concession stand building potentially limiting use or causing damage.

The undersigned person executing this agreement for and on behalf of Brownsburg Community School Corporation represents and warrants that he or she has been duly authorized by Brownsburg Community School Corporation to execute and deliver this agreement, and that all actions, votes, approvals and/or restrictions necessary to allow the execution and delivery of this agreement have been undertaken.

_____

By:_____

_____
Printed Name

Date: _____

STATE OF INDIANA)
)SS:
COUNTY OF HENDRICKS)

Before me, a Notary Public in and for said County and State, personally appeared _____, who acknowledged execution of the foregoing Easement for and on behalf of _____.

Witness my hand and Notarial Seal this _____ day of _____, 20__.

My Commission Expires:
_____

_____
Notary Public

Residing in _____County

_____
Printed Name

Appendix

A. Location

- **a. Location Map**
- **b. Site/Utility Plan**

B. Stormwater Management Details

C. Inspection and Maintenance Forms

D. Water Quality / BMP Manuals

Appendix A - Location

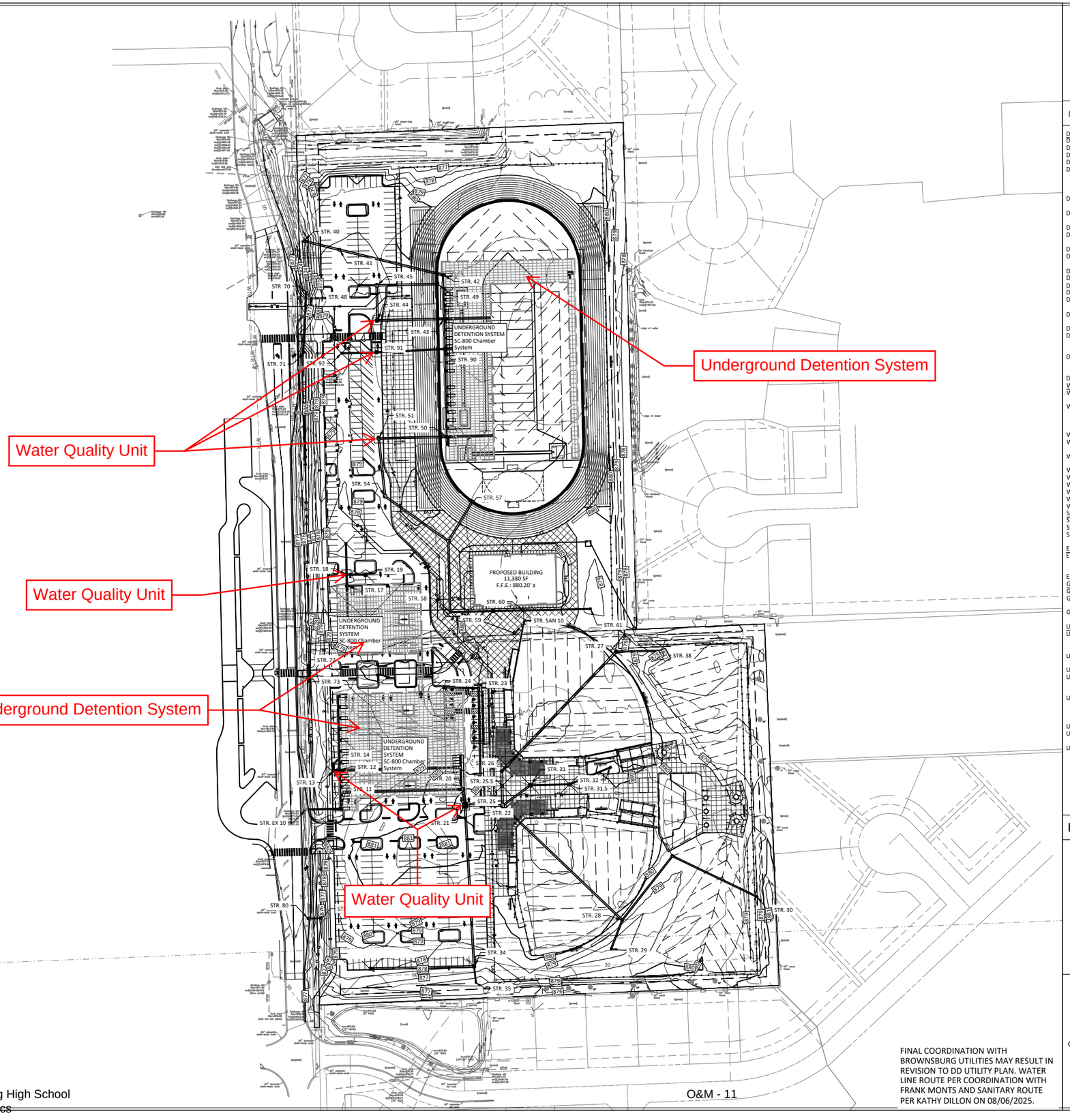
Location Map

Site/Utility Plan

Location Map


E Tilden Dr
Maplebrook Dr
Harrison St
Vinewood Dr S
Sycamore St
Eagle Elementary School
Brownsburg High School
Peter Moore Dr
Country Walk Ct
Fairfield Dr
Filogan St
Bulldog Blvd
Green Dr
Tyler St
Lakewood Dr
Ambassador Dr
Rockwood Dr
Homestead Rd
Parkwood Dr
Lakewood Ave
Lakewood South Dr
Ironwood Dr
Ironwood Ct
Ironwood Cir
Ironwood Pl
Ironwood Trl
Ironwood Way
Ironwood Ln
Ironwood Terrace
Ironwood Crossing
Ironwood Crossing Dr
Ironwood Crossing Ct
Ironwood Crossing Pl
Ironwood Crossing Trl
Ironwood Crossing Way
Ironwood Crossing Ln
Ironwood Crossing Terrace
Ironwood Crossing Cir

Site/Utility Plan



0' 80' 160'

SCALE: 1"=80'

○ KEYNOTES

DRAINAGE
D1. STORM CLEANOUT TYPE 1
D2. ACO TRENCH DRAIN, SYSTEM 4000
D3. OUTLET CONTROL STRUCTURE
D4. WATER QUALITY UNIT WITH CONCRETE COLLAR
D5. ADJUST CASTING TO BENEATH THE TURF LAYER WITH R-3405 CASTING AND GEOTEXTILE FABRIC OVER GRATE. SEE UTILITY DETAIL PLANS FOR TURF CROSS SECTION DETAIL.
D6. 6" DUAL WALL PERFORATED HDPE SUBSURFACE DRAIN (SSD). CAP UPSTREAM END
D7. 20 LF 6" HDPE PERFORATED SUBSURFACE DRAIN CAPPED AT UPSTREAM END, MIN 0.5% SLOPE
D8. CONNECT SUBSURFACE DRAIN(SSD)
D9. REBUILD OR REPLACE STRUCTURE WITH NEW STORM STRUCTURE SET TO PROPOSED GRADE
D10. MANHOLE
D11. PROVIDE DOWNSPOUT BOOT FOR ROOF DRAIN. SEE PLUMBING PLANS FOR CONNECTION AT BUILDING
D12. 8" HDPE ROOF DRAIN AT 0.5% MINIMUM SLOPE
D13. ROOF DRAIN CONNECTION AT STRUCTURE
D14. SYNTHETIC TURF DRAIN COLLECTOR, SEE DETAIL
D15. FLAT PANEL DRAIN, 12" X 1"
D16. END SECTION TRASH RACK AND PERMANENT TURF REINFORCEMENT MAT, SEE DETAIL
D17. 12"X1" FLAT PANEL DRAINS. OUTLET/CONNECTION TO DETENTION SYSTEM
D18. BACKFLOW PREVENTER
D19. 2" PERFORATED UNDERDRAINS AT MIN. 2.0% SLOPE. MINIMUM 2' OF COVER FROM SURFACE. CONNECT TO 12" UNDERDRAIN COLLECTOR WITH WYE OR TEE CONNECTION.
D20. 12" PERFORATED COLLECTED DRAIN COLLECTOR AT MINIMUM 0.50% SLOPE. CONNECT TO SOLID 12" HDPE COLLECTOR PIPE WITH WYE OR TEE CONNECTION.
D21. 12" SOLID HDPE COLLECTOR PIPE AT MINIMUM 0.5% SLOPE.

WATER
W1. CONTRACTOR TO LOCATE WATER MAIN AND CONFIRM SIZE AND DEPTH PRIOR TO CONSTRUCTION.
W2. TAPPING SLEEVE AND VALVE ON EXISTING WATER LINE PER TOWN OF BROWNSBURG UTILITY. CONNECTION SHALL BE AT LEAST 5' FROM PREVIOUS CONNECTION PER WATER UTILITY.
W3. PROVIDE 18" MIN. VERTICAL SEPARATION
W4. PROVIDE 10' MIN. SEPARATION FROM OUTSIDE SEWER PIPE TO OUTSIDE WATERLINE PIPE
W5. FIRE HYDRANT ASSEMBLY PER TOWN OF BROWNSBURG PAINTED RED WITH YELLOW BONNET
W6. 2" ENDURE BLUE POLY DOMESTIC WATER LINE
W7. WATER SPIGOT
W8. 8" DUCTILE IRON DOMESTIC WATER LINE
W9. 6" DUCTILE IRON FIRE HYDRANT CONNECTION LINE
W10. REDUCER FOR 8" TO 6" WATER LINE
W11. REDUCE FOR 6" TO 3" WATER LINE

SANITARY
S1. SANITARY CLEANOUT. PROVIDE 4' SANITARY MANHOLE
S2. 10" SDR-35 PVC CONFORMING TO ASTM D3034
S3. LATERAL CONNECTION PER TOWN OF BROWNSBURG STANDARDS.

ELECTRIC
E1. LOCATE ELECTRIC LINE. IF LINE TO REMAIN, SUPPORT, PROTECT OR RELOCATE FOR NEW CONSTRUCTION.
E2. LIGHT POLE. SEE SIGHT ELECTRICAL PLAN

GAS
G1. GAS SERVICE LINE. SEE PLUMBING PLANS FOR SIZE
G2. GAS SERVICE CONNECTION, SEE MAP PLANS FOR CONTINUATION.
G3. GAS METER. COORDINATE WITH GAS UTILITY FOR PLACEMENT AND TIMING

UTILITY
U1. ADJUST CASTING/UTILITY TO GRADE. IF CANNOT BE ADJUSTED REPLACE STRUCTURE/UTILITY TO MEET NEW GRADE.
U2. LOCATE UTILITY PRIOR TO PLACEMENT OF STRUCTURE. SUPPORT, PROTECT OR RELOCATE FOR NEW STRUCTURE.
U3. REPLACE STRUCTURE TO MEET GRADE
U4. EXISTING UTILITY LINE IS TO BE LOWERED IF STANDARD MINIMUM COVER IS NOT MAINTAINED WITH PROPOSED GRADING.
U5. CONTRACTOR IS TO PERFORM INVESTIGATIVE HYDROVAC AT UTILITY CROSSINGS OR AREAS OF CUT BEFORE WORK BEGINS. CONCTRACTOR IS TO NOTIFY ENGINEER IS UTILITY INFORMATION DIFFERS FROM PLANS.
U6. ADD CONCRETE COLLAR TO EXISTING STRUCTURE
U7. PROVIDE APPROPRIATE BACKFILL OVER EXISTING UTILITIES UNDER OR WITHIN 5' OF NEW PAVEMENT
U8. ANY FLAT CASTING ALONG CURBLINE SHALL BE INSTALLED IN FRONT OF FACE OF CURB

UTILITY LEGEND

- STORM SEWER LINE
- SS — SANITARY SEWER LINE
- G — GAS LINE
- E — ELECTRIC LINE
- T — TELEPHONE LINE
- RD — ROOF DRAIN
- W — WATER LINE
- VALVE
- WATER METER PIT
- HYDRANT
- WATER SPIGOT
- CLEANOUT (STORM & SANITARY)

Indiana 811 Know what's below. Call before you dig.

PER INDIANA STATE LAW IS-69-1991. IT IS AGAINST THE LAW TO EXCAVATE WITHOUT NOTIFYING THE UNDERGROUND LOCATION SERVICE TWO (2) WORKING DAYS BEFORE COMMENCING WORK.

FINAL COORDINATION WITH BROWNSBURG UTILITIES MAY RESULT IN REVISION TO DD UTILITY PLAN. WATER LINE ROUTE PER COORDINATION WITH FRANK MONTS AND SANITARY ROUTE PER KATHY DILLON ON 08/06/2025.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. IT SHALL BE THE SUBCONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES AND CONDITIONS PERTAINING TO THE PHASE OF WORK. IT SHALL ALSO BE THE SUBCONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNERS OF THE VARIOUS UTILITIES FOR PROPER STAKE LOCATION OF EACH UTILITY BEFORE WORK IS STARTED. EACH SUBCONTRACTOR SHALL NOTIFY THE OWNER AND ENGINEER OF ANY CHANGES, OMISSIONS, OR ERRORS FOUND ON THESE PLANS OR IN FIELD BEFORE WORK IS STARTED OR RESUMED.
2. ALL MATERIALS AND CONSTRUCTION FOR SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
3. ALL MATERIALS AND CONSTRUCTION FOR STORM SEWERS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
4. ALL MATERIALS AND CONSTRUCTION FOR WATER MAINS SHALL BE IN ACCORDANCE WITH THE LOCAL AUTHORITY STANDARDS AND SPECIFICATIONS.
5. ANY PART OF THE SANITARY OR STORM SEWER TRENCHES RUNNING UNDER OR WITHIN 5' OF PAVED AREAS TO BE BACKFILLED WITH COMPACTED GRANULAR MATERIAL.
6. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION TO CONFORM TO APPLICABLE LOCAL AND STATE STANDARDS.
7. ANY WATER MAINS TO HAVE 54" MINIMUM COVER OVER TOP OF PIPE.
8. WATER SERVICE LINE TO THE BUILDING SHALL HAVE A SHUT-OFF VALVE IN AN ACCESSIBLE LOCATION OUTSIDE OF THE BUILDING. (APPLIES TO COMMERCIAL ONLY)
9. STERILIZATION OF WATER MAIN SHALL BE IN ACCORDANCE WITH STATE BOARD OF HEALTH.
10. ALL UTILITY CROSSING AND CLEARANCES TO BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE INDIANA STATE BOARD OF HEALTH.
11. IF EXISTING FIELD TILES ARE ENCOUNTERED DURING CONSTRUCTION THEY ARE TO BE TIED INTO THE PROPOSED STORM SEWER SYSTEM.
12. ALL SEWER PIPES UNDER OR WITHIN 5' OF PAVEMENT SHALL BE BACKFILLED WITH GRANULAR BACKFILL. FOR BACKFILL PURPOSES, PAVED SHOULDERS, CURBS, GUTTER, AND SIDE WALKS ARE CONSIDER PAVEMENT. FOR PIPES WITHIN INDIANA STATE RIGHTS-OF-WAY, BACKFILL SHALL BE PROVIDED PER INDIANA DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS. LOCAL JURISDICTION REQUIREMENTS MAY DICTATE MORE STRINGENT REQUIREMENTS AT TIME OF CONSTRUCTION AND INSPECTION.
13. CONTRACTOR TO PROVIDE SURVEYED AS-BUILT/RECORD DRAWINGS OF ALL STORM SEWERS AND SANITARY SEWER MAINS IN ACCORDANCE WITH REQUIREMENTS OF AUTHORITY HAVING JURISDICTION.
14. CONTRACTOR SHALL BE FAMILIAR WITH TOWN OF BROWNSBURG INDIANA CONSTRUCTION STANDARDS SPECIFICATIONS AND DETAILS, REVISION 2024 OR LATEST EDITION.
15. ADDITIONAL COORDINATION WITH LANDSCAPE ARCHITECT ON UTILITY LOCATION AND PERIMETER SECURITY FENCE.
16. CONTRACTOR SHALL LOCATE UTILITIES PRIOR TO CONSTRUCTION. NOTE UTILITIES ALONG ODELL STREET VARY IN DEPTH AND ARE SHALLOW IN LOCATIONS. CONTRACTOR SHALL DAYLIGHT UTILITIES IN AREA OF CUT AND AREAS OF NEW UTILITY CROSSINGS.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
EP TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC ACH	AIR CONDITIONER / GENERATOR
M	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
TR	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE - SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
C L	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
WTR	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
	OVERHEAD ELE. & TEL
	OVERHEAD ELE TEL & CAB
	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

November 17 2025 2024.0150

Brownsburg Community School Corporation — Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
1000 S ODELL ST, BROWNSBURG, IN 46112

95% CONSTRUCTION DOCUMENTS

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural features, and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
OVERALL UTILITY PLAN

CERTIFIED BY:
KELLY ANN CARRINGTON — REGISTERED — 10200018 — STATE OF INDIANA — PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C400

PROJECT NUMBER

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:51 PM EDITED BY: KCANTER DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2. DESIGN\CAD\C400 UTILITY PLAN.DWG

EMERGENCY FLOOD ROUTE IS FLOWING EAST TO WEST AS IT PONDS TO OVERTOP INTERNAL SITE HIGH POINTS BUT REMAIN LOWER THAN THE FFE OF THE PROPOSED BUILDING. THE FLOOD ROUTE WILL CONTINUE NORTH AS IT DOES IN THE EIXSITNG CONDITION AND JOIN THE EMERGENCY FLOOD ROUTE OF THE MARY W WILSON LEGAL DRAIN.

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INV(E):873.10

STORM STR 70
INV(S):873.49

STORM STR 71
INV(N):873.99

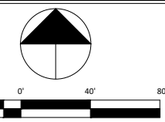
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INV(S):876.64

STORM STR 73
INV(N):876.80

STORM STR 61
INV(W):875.90

STORM STR 38
INV(W):875.17

STR:41 TR:878.88
STR:48 TR:878.12
STR:45 TR:878.85
STR:49 TR:879.57
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STR:44 TR:878.85
STR:43 TR:879.62
STR:90 TR:879.62
STR:50 TR:879.62
STR:91 TR:878.78
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STR:58 TR:879.52
STR:59 TR:880.02
STR:60 TR:880.02
STR:SAN 10 TR:880.29
STR:24 TR:877.94
STR:27 TR:878.76



GRADING LEGEND

- CONTOURS (000)
- SPOT ELEVATIONS (000.00)
- FLOOD AREA
- FLOW ARROWS

THE DETENTION SYSTEMS HAVE BEEN SIZED FOR 100-YEAR STORM EVENT. HOWEVER, IN TRUE EMERGENCY CONDITION, ALL INLETS ARE PRESUMED CLOGGED. FLOOD ROUTE IS SHOWN IN EMERGENCY CONDITION.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO STATE AND LOCAL REGULATIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (VERTICAL AND HORIZONTAL) IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED BY THE RESPONSIBLE PARTY.
4. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START. TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES WHEN EXCAVATING IS AROUND OR OVER EXISTING UTILITIES. THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
6. TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH SELECT GRANULAR MATERIAL IF UNDER OR WITHIN 5 FEET OF PAVEMENT.
7. AFTER STRIPPING TOPSOIL MATERIAL, THE CONTRACTOR SHALL PROOF ROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUB-DRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
8. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR SHALL TEST FOR, AND CORRECT ANY DEFICIENT CONDITIONS.
9. ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
10. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
11. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO STANDARD INDOT SPECIFICATIONS.
12. INVERTS AT PIPE OUTLETS ARE GIVEN AT END OF PIPE END SECTION.
13. CONTRACTOR SHALL VERIFY ELEVATION OF ALL EXISTING STORM SEWERS BEFORE INSTALLATION OF THE PROPOSED STORM SEWER. IF A CONDITION IS DISCOVERED THAT PREVENTS INSTALLATIONS PER THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
14. CONTRACTOR SHALL PERFORM GRADING AND COMPACTION AND LIME STABILIZATION OF PAVEMENT SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.
15. STRUCTURES RECEIVING SUBSURFACE DRAINS SHALL HAVE BOTH PORTS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.
16. ALL EXISTING UTILITY CASTINGS, LIDS, AND ACCESS SHALL BE SET TO FINAL GRADE UNLESS OTHERWISE DIRECTED.
17. ANY OFFSITE BORROW AND/OR WASTE SITES THAT ARE NEEDED SHALL BE PERMITTED AS PART OF THIS PERMIT OR BE PART OF AN EXISTING PERMIT.

EXISTING LEGEND

LEGEND:

	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G FX	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
W	UNDG. WATER LINE
G	UNDG. GAS LINE
T	UNDG. TELEPHONE LINE
E	UNDG. ELECTRIC LINE
OHT	OVERHEAD ELE. & TEL
OHC	OVERHEAD ELE TEL & CAB
OHE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not indicate every detail and item that is required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

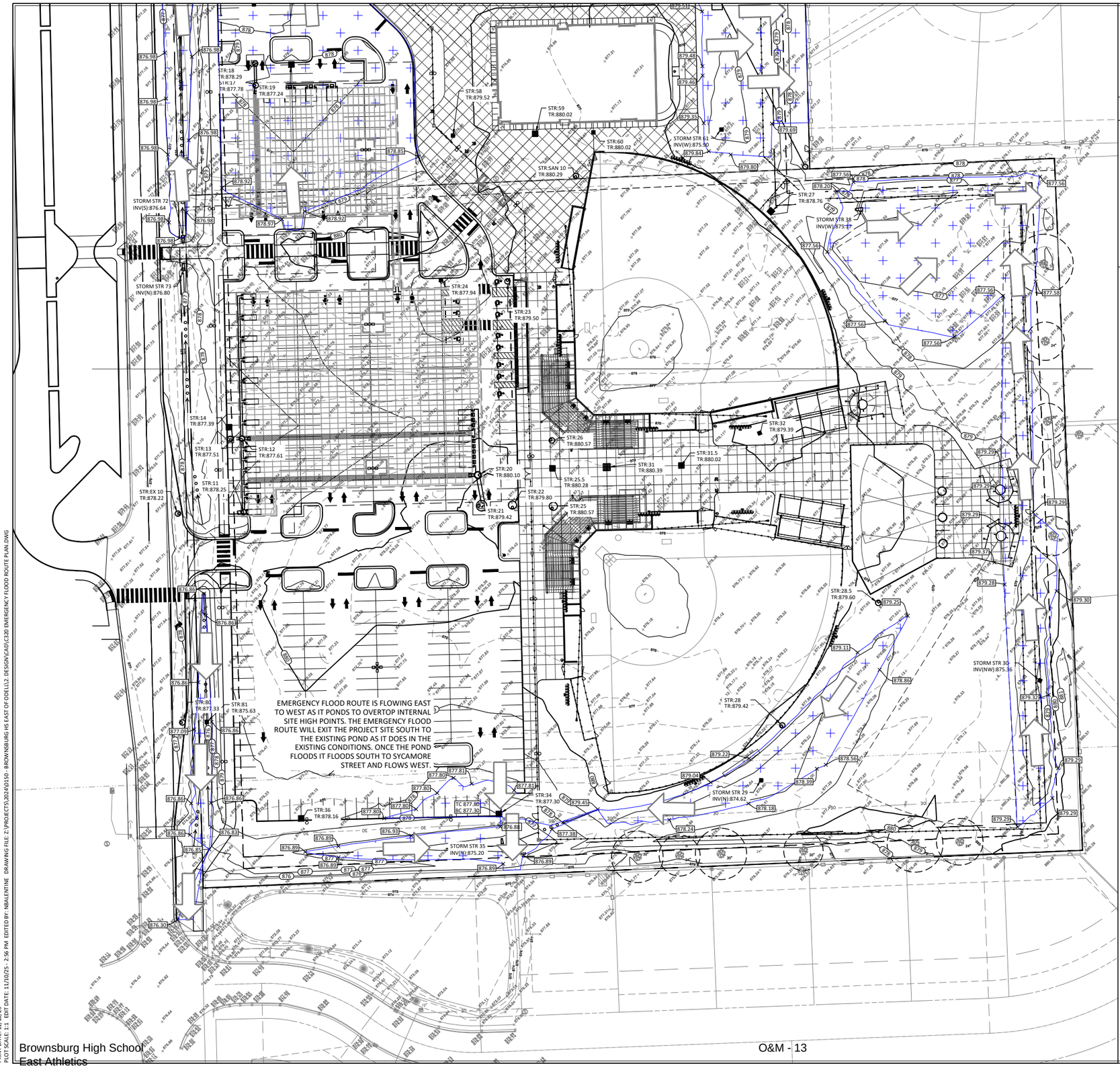
DRAWING TITLE:
EMERGENCY FLOOD ROUTE PLAN

CERTIFIED BY:
KELLY ANN CARR
REGISTERED
NO. 29300018
STATE OF
INDIANA
PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C320

PROJECT NUMBER
2024-0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:56 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2. DESIGN\CAD\C320 EMERGENCY FLOOD ROUTE PLAN.DWG



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0' 40' 80'
SCALE: 1"=40'

GRADING LEGEND

- CONTOURS
- SPOT ELEVATIONS
- FLOOD AREA
- FLOW ARROWS

THE DETENTION SYSTEMS HAVE BEEN SIZED FOR 100-YEAR STORM EVENT. HOWEVER, IN TRUE EMERGENCY CONDITION, ALL INLETS ARE PRESUMED CLOGGED. FLOOD ROUTE IS SHOWN IN EMERGENCY CONDITION.

EXISTING LEGEND

LEGEND:	
	DESCRIPTION:
	SIGN / TWO POST SIGN
W	WATER VALVE/FIRE HYD/METER
	TELE/FIBER OPTIC/GAS MARKER
G	GAS METER / VALVE
	CLEAN-OUT
E	ELEC. METER BOX/TRANSFORMER
TP	ELEC. / TELEPHONE PEDESTAL
	GUARD POST/POST with LIGHT
AC	AIR CONDITIONER / GENERATOR
	MAGNAIL SET/FOUND
R	REBAR SET/FOUND
	SQUARE / ROUND / CURB INLET
	TRAFFIC/COMBO/ POWER POLE
	LIGHT POLE – SQUARE / ROUND
12" 36"	CONIFEROUS TREE & SIZE / DECIDUOUS TREE & SIZE
D S	DRAINAGE /SANITARY MANHOLE
	COMBINATION/MISC. LID MANHOLE
	BEEHIVE ROUND/SQUARE INLET
	GUY WIRE / GROUND LIGHT
UW	UNDG. WATER LINE
UG	UNDG. GAS LINE
UT	UNDG. TELEPHONE LINE
UE	UNDG. ELECTRIC LINE
OE	OVERHEAD ELE. & TEL
OET	OVERHEAD ELE TEL & CAB
OE	OVERHEAD ELECTRIC
VCP	vitrified clay pipe
RCP	reinforced concrete pipe
PVC	polyethylene coated pipe
HDPE	high-density polyethylene pipe
DI	ductile iron pipe

BENCHMARK DATA

SEE EXISTING CONDITIONS SHEET.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION PROVIDED BY CENTRAL STATES CONSULTING, LLC. PROJECT NUMBER 20-009-2024, DATED 11/08/2024.

GENERAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL CONFORM TO STATE AND LOCAL REGULATIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS (VERTICAL AND HORIZONTAL) IN THE FIELD PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND IN THESE PLANS FROM THE ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
3. SITE GRADING SHALL NOT PROCEED UNTIL EROSION CONTROL MEASURES HAVE BEEN INSTALLED AND INSPECTED BY THE RESPONSIBLE PARTY.
4. THE EXCAVATING CONTRACTOR MUST TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY CONTRACTOR'S AND/OR UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
5. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START. TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS (LOCATION, SIZE AND DEPTH) SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES WHEN EXCAVATING IS AROUND OR OVER EXISTING UTILITIES. THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE OF THAT UTILITY COMPANY CAN BE PRESENT TO INSTRUCT AND OBSERVE DURING CONSTRUCTION.
6. TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH SELECT GRANULAR MATERIAL IF UNDER OR WITHIN 5 FEET OF PAVEMENT.
7. AFTER STRIPPING TOPSOIL MATERIAL, THE CONTRACTOR SHALL PROOF ROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF ANY POCKETS OF UNSUITABLE MATERIAL. THE NECESSITY FOR SUB-DRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
8. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE IN ALL AREAS. AFTER INSTALLATION, CONTRACTOR SHALL TEST FOR, AND CORRECT ANY DEFICIENT CONDITIONS.
9. ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE ELEVATIONS.
10. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE ELEVATIONS INDICATED.
11. ALL STORM SEWER MATERIALS AND INSTALLATION SHALL CONFORM TO STANDARD INDOT SPECIFICATIONS.
12. INVERTS AT PIPE OUTLETS ARE GIVEN AT END OF PIPE END SECTION.
13. CONTRACTOR SHALL VERIFY ELEVATION OF ALL EXISTING STORM SEWERS BEFORE INSTALLATION OF THE PROPOSED STORM SEWER. IF A CONDITION IS DISCOVERED THAT PREVENTS INSTALLATIONS PER THE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER.
14. CONTRACTOR SHALL PERFORM GRADING AND COMPACTION AND LIME STABILIZATION OF PAVEMENT SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT PREPARED FOR THIS PROJECT.
15. STRUCTURES RECEIVING SUBSURFACE DRAINS SHALL HAVE BOTH PORTS CORE DRILLED. T OR Y BLIND CONNECTIONS ARE NOT ALLOWED.
16. ALL EXISTING UTILITY CASTINGS, LIDS, AND ACCESS SHALL BE SET TO FINAL GRADE UNLESS OTHERWISE DIRECTED.
17. ANY OFFSITE BORROW AND/OR WASTE SITES THAT ARE NEEDED SHALL BE PERMITTED AS PART OF THIS PERMIT OR BE PART OF AN EXISTING PERMIT.

Brownsburg Community School Corporation
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8831 Keystone Crossing, Indianapolis, IN 64240
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the Contract Documents, Addenda and Change Orders, contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
EMERGENCY FLOOD ROUTE PLAN

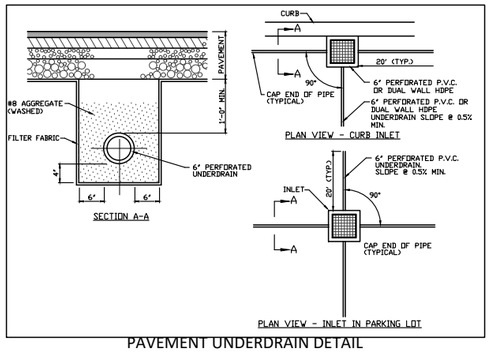
CERTIFIED BY:
KELLY ANN CARTER REGISTERED LANDSCAPE ARCHITECT No. LA19900136 STATE OF INDIANA PROFESSIONAL ENGINEER
APPROVED
11/10/2025

DRAWING NUMBER
C321

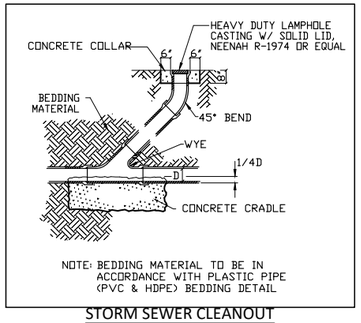
PROJECT NUMBER
20240150

Appendix B –

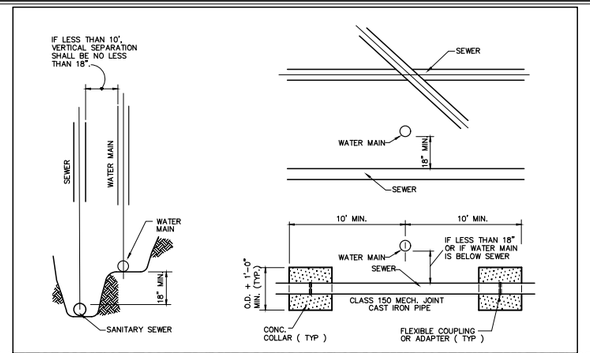
Stormwater Management Details



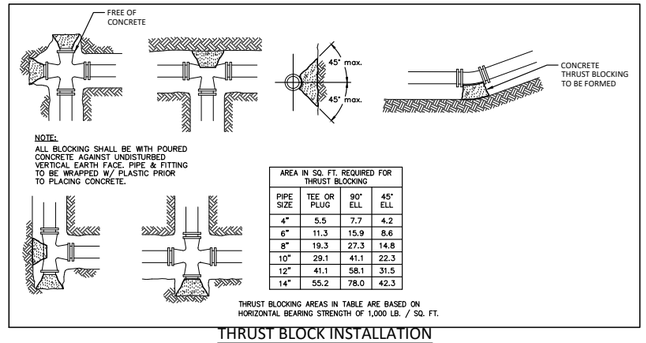
PAVEMENT UNDERDRAIN DETAIL
NOT TO SCALE



STORM SEWER CLEANOUT
NOT TO SCALE



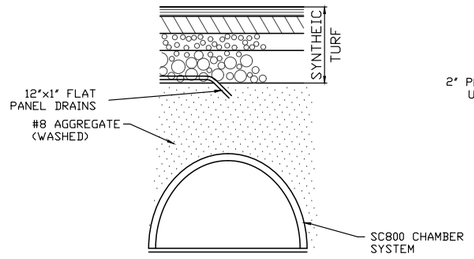
MIN. CROSSOVER & SEPARATION REQUIREMENTS FOR WATER MAINS AND SEWERS
NOT TO SCALE



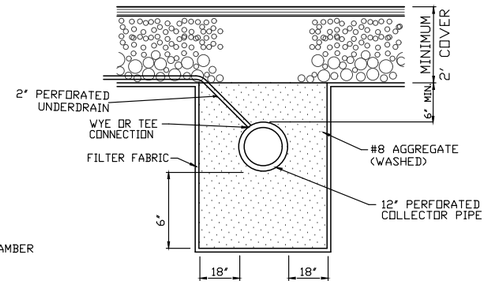
AREA IN SQ. FT. REQUIRED FOR THRUST BLOCKING

PIPE SIZE	TEE OR PLUG	90° ELL	45° ELL
4"	5.5	7.7	4.2
6"	11.3	15.9	8.6
8"	19.3	27.3	14.8
10"	29.1	41.1	22.3
12"	41.1	58.1	31.5
14"	55.2	78.0	42.3

THRUST BLOCK INSTALLATION
NOT TO SCALE

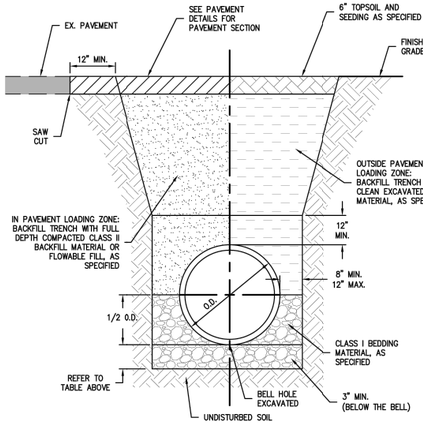


FLAT PANEL DRAIN CONNECTION TO DETENTION SYSTEM
NOT TO SCALE



NATURAL SOFTBALL FIELD DRAIN COLLECTOR DETAIL - SOUTH FIELD
NOT TO SCALE

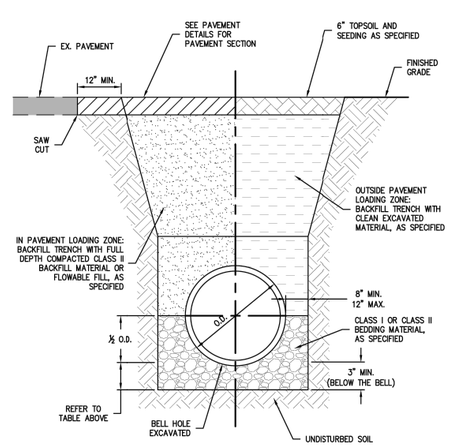
PIPE SIZE	12" TO 15"	18" TO 30"	36" & OVER
BEDDING BELOW THE PIPE BARREL	4"	O.D. / 4	8"



NOTES:
1. INSTALLATION OF FLEXIBLE PIPE SHALL BE IN ACCORDANCE WITH ASTM D2321.
2. FLEXIBLE PIPE MATERIALS FOR STORM SEWERS INCLUDE HIGH DENSITY POLYETHYLENE (HDPE), POLYPROPYLENE, AND POLYVINYL CHLORIDE (PVC) PIPE.
3. FLEXIBLE PIPE MATERIALS FOR SANITARY SEWERS INCLUDE POLYVINYL CHLORIDE (PVC) PIPE.

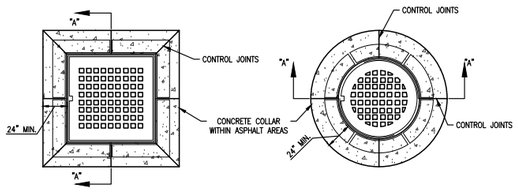
FLEXIBLE GRAVITY PIPE TRENCH
NO SCALE
DETAIL NO. OT-04
REVISION DATE: MAY 2013

PIPE SIZE	12" TO 15"	18" TO 30"	36" & OVER
BEDDING BELOW THE PIPE BARREL	4"	O.D. / 4	8"

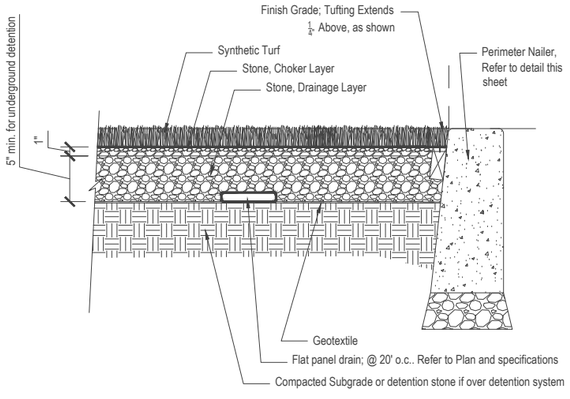


NOTES:
1. RIGID PIPE MATERIALS FOR STORM SEWERS INCLUDE DUCTILE IRON AND REINFORCED CONCRETE PIPE (RCP).
2. RIGID PIPE MATERIALS FOR SANITARY SEWERS INCLUDE DUCTILE IRON PIPE.

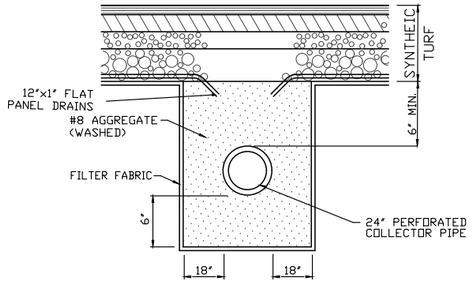
RIGID GRAVITY PIPE TRENCH
NO SCALE
DETAIL NO. OT-02
REVISION DATE: MAY 2013



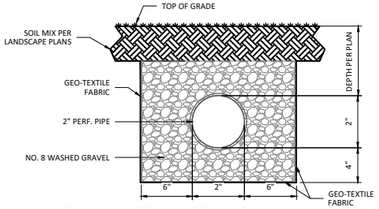
CONCRETE COLLAR
NOT TO SCALE



FOR REFERENCE SYNTHETIC TURF - TYPICAL SECTION
*SEE LANDSCAPE PLANS



SYNTHETIC TURF DRAIN COLLECTOR DETAIL - NORTH SOFTBALL FIELD
NOT TO SCALE



NATURAL SOFTBALL FIELD UNDERDRAIN DETAIL
NOT TO SCALE

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PROJECT:
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REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CASTEEL
REGISTERED
No. PE10800017
STATE OF INDIANA
PROFESSIONAL ENGINEER
11/10/2025

DRAWING NUMBER
C450

PROJECT NUMBER
2024-0150

PROJECT INFORMATION	
ENGINEER/DESIGNER/PROJECT MANAGER:	JOE ROGERS 317-417-0385 JOE.ROGERS@ADSPIPE.COM
ADS SALES REP:	MARK VITTORI 317-417-0385 MARK.VITTORI@ADSPIPE.COM
PROJECT NO:	54858128

ADS Advanced Drainage Systems, Inc.

ADS SiteAssist® FOR STORMTECH INSTALLATION INSTRUCTIONS VISIT OUR WEBSITE

BROWNSBURG HIGH SCHOOL EAST ATHLETICS

BROWNSBURG, IN

SC-800 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-800.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION
   - TOMAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TOENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2" (50 mm).
   - TOENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, A TIE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 700 LBS/FT/IN. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND 3) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE CHAMBERS ARE DELIVERED TO THE PROJECT SITE.
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR LONG-DURATION DEAD LOAD AND 1.75 FOR SHORT-DURATION LIVE LOAD, PER ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.32 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

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IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-800 SYSTEM

1. STORMTECH SC-800 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONE AND ROLLER BACKFILL AS SHOWN ON DETAIL SHEET.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 3" (75 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE, AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-800 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

BROWNSBURG HIGH SCHOOL EAST ATHLETICS — BROWNSBURG, IN — DATE: 09-02-25 — PROJECT #: 54858128 — DRAWN: TSG — CHECKED: XXX

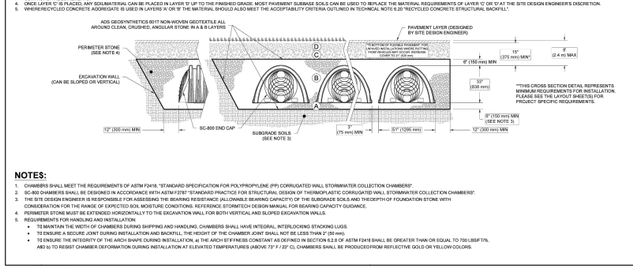
StormTech® Chamber System — 4640 TRUEMAN BLVD HILLIARD, OH 43026

12 OF 15

ACCEPTABLE FILL MATERIALS: STORMTECH SC-800 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE EMBEDMENT STONE (F) LAYER TO THE BOTTOM OF THE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (F) LAYER TO 12" (305 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[4] A-1, A-2-4, A-3 OR AASHTO M43[3] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL-GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. OVER THE CHAMBERS, VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (X' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[3] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[3] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR B) STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INSTALLATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED INSTEAD OF GRADING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. AASHTO M145 SOILS WITH ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2" (50 mm).
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, A) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 700 LBS/FT/IN, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

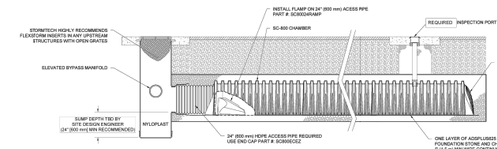
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SHEET 2 OF 15

SC-800 ISOLATOR ROW PLUS DETAIL

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INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1 REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN
  - A.2 REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED
  - A.3 USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4 LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5 IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR PLUS ROWS
  - B.1 REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2 USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i. LOOK FOR DEBRIS AND SEDIMENT IN THE FIRST ROW AND IN THE OUTLET PIPE
    - ii. FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3 IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

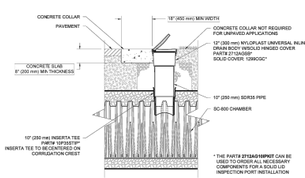
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



SC-800 10" (250 mm) INSPECTION PORT DETAIL

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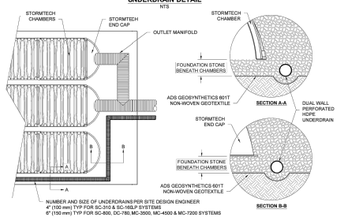
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SHEET 13 OF 15

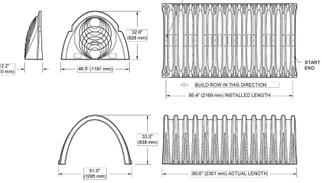
UNDERDRAIN DETAIL

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SC-800 TECHNICAL SPECIFICATION

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NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 33.0" X 85.4"	(1295 mm X 838 mm X 2169 mm)
CHAMBER STORAGE	50.6 CUBIC FEET	(1.43 m³)
MINIMUM INSTALLED STORAGE*	78.4 CUBIC FEET	(2.22 m³)
WEIGHT	81.8 lbs.	(37.1 kg)

NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	46.0" X 32.0" X 13.5"	(1181 mm X 826 mm X 287 mm)
END CAP STORAGE	3.4 CUBIC FEET	(0.09 m³)
MINIMUM INSTALLED STORAGE**	14.7 CUBIC FEET	(0.42 m³)
WEIGHT	15.7 lbs.	(7.1 kg)

* ASSUMES 9" (150 mm) STONE ABOVE AND BELOW CHAMBER. 3" (75 mm) BETWEEN CHAMBERS
** ASSUMES 9" (150 mm) STONE ABOVE AND BELOW END CAPS, 3" (75 mm) BETWEEN ROWS, 12" (300 mm) BEYOND END CAPS

PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "BPC"
PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "TPC"

PART #	STUB	B	C
SC800EPE10BTPC	8" (150 mm)	21.4" (544 mm)	0.9" (23 mm)
SC800EPE10BPC			
SC800EPE08TPC	8" (200 mm)	19.2" (488 mm)	1.0" (25 mm)
SC800EPE08BPC			
SC800EPE10TPC	10" (250 mm)	17.0" (432 mm)	1.2" (30 mm)
SC800EPE10BPC			
SC800EPE12TPC	12" (300 mm)	14.4" (366 mm)	1.6" (41 mm)
SC800EPE12BPC			
SC800EPE15TPC	15" (375 mm)	11.3" (287 mm)	1.7" (43 mm)
SC800EPE15BPC			
SC800EPE18TPC	18" (450 mm)	8.0" (203 mm)	2.0" (51 mm)
SC800EPE18BPC			
SC800CEZ	24" (600 mm)	—	2.3" (58 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL

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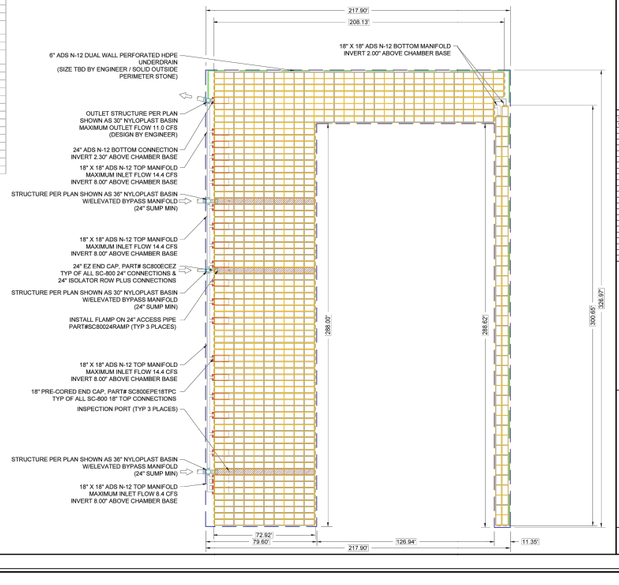
SHEET 14 OF 15

PROPOSED LAYOUT: NORTH BED

951	STORMTECH SC-800 CHAMBERS
148	STORMTECH SC-800 END CAPS
35	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
114,431	**INSTALLED SYSTEM VOLUME (CF)(PERIMETER STONE INCLUDED)**
34558	SYSTEM AREA (ft²)
1686	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS: NORTH BED

884.70	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
878.45	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
877.95	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
877.95	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
877.95	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
879.62	TOP OF STONE
876.70	TOP OF SC-800 CHAMBER
874.62	18" TOP MANIFOLD/CONNECTION INVERT
874.14	24" BOTTOM MANIFOLD/CONNECTION INVERT
874.14	24" ISOLATOR ROW PLUS CONNECTION INVERT
874.12	18" BOTTOM MANIFOLD INVERT
873.95	BOTTOM OF SC-800 CHAMBER
873.45	UNDERDRAIN INVERT
873.45	BOTTOM OF STONE



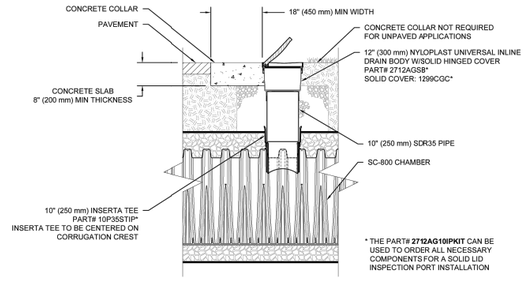
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SHEET 3 OF 15

10" INSPECTION PORT DETAIL — SC-800 CHAMBER

DATE: 11/14/23 — DRAWN: JLM — PROJECT #: — CHECKED: CJD



SC-800 10" (250 mm) INSPECTION PORT DETAIL
NTS

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY ADS AT THE TIME OF THIS SITE DESIGN. NUMBER OR OTHER PRODUCT CHANGES MAY BE REQUIRED BASED ON FINAL REVIEW THAT DRAWING PRIOR TO CONSTRUCTION. IF IN DOUBT, CONTACT YOUR ADS REPRESENTATIVE. ANY MODIFICATIONS TO THIS DRAWING MADE WITHOUT THE WRITTEN CONSENT OF ADS WILL RENDER ALL GUARANTEES, EXPRESSED OR IMPLIED, NULL AND VOID. ALL ADS PRODUCTS ARE INSTALLED ACCORDING TO ADS' THEN CURRENT INSTALLATION INSTRUCTIONS AND SPECIFICATIONS.

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NORTH SIDE DETENTION SYSTEM
NOT TO SCALE

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:07 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\D1SD - BROWNSBURG HS EAST OF ODELL\2. DESIGN\CAD\C450 UTILITY DETAILS.DWG

Brownsburg High School
East Athletics

November 17, 2025

BrownsburgCommunity School Corporation
Higher Achievement • Together
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317.848.7800 | cscinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theventiagroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not indicate the complete scope of work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CAMPBELL — REGISTERED — 10200150 — PROFESSIONAL

PROJECT INFORMATION	
ENGINEERED PRODUCT MANAGER:	JOE ROGERS 317-417-5580 JROGERS@ADSPIPE.COM
ADS SALES REP:	MARK UTTORP 630-854-9761 MARK.UTTORP@ADSPIPE.COM
PROJECT NO:	6485128

Advanced Drainage Systems, Inc.

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BROWNSBURG HIGH SCHOOL EAST ATHLETICS

BROWNSBURG, IN

SC-800 STORMTECH CHAMBER SPECIFICATIONS

1. CHAMBERS SHALL BE STORMTECH SC-800.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (+1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 700 LB/IN/IN, THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED. UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERY OF CHAMBERS TO THE PROJECT SITE. THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD. THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - A 50-YEAR CREEP MODULUS SHALL BE UTILIZED FOR DESIGN. IT SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.
10. MANIFOLD SIZE TO BE DETERMINED BY SITE DESIGN ENGINEER. SEE TECHNICAL NOTE 6.02 FOR MANIFOLD SIZING GUIDANCE. DUE TO THE ADAPTATION OF THIS CHAMBER SYSTEM TO SPECIFIC SITE AND DESIGN CONSTRAINTS, IT MAY BE NECESSARY TO CUT AND COUPLE ADDITIONAL PIPE TO STANDARD MANIFOLD COMPONENTS IN THE FIELD.
11. ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINER SYSTEMS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF THE SC-800 SYSTEM

1. STORMTECH SC-800 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONE AND PLATE COMPACTION BEHIND BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - 3" (75 mm) SPACING BETWEEN THE CHAMBER ROWS.
7. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE; AASHTO M43 #3, 357, 4, 467, 5, 56, OR 57.
8. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
9. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH SC-800 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
2. THE USE OF CONSTRUCTION EQUIPMENT OVER SC-800 CHAMBERS IS LIMITED:
   - NO RESTRICTIONS ON LIGHT CONSTRUCTION EQUIPMENT.
   - NO RUBBER TIRED LOADERS, DUMP TRUCKS, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH INSTALLATION GUIDE SC-310/DC-780/SC-800".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

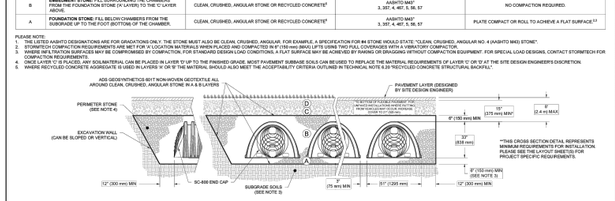
USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO THE CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-800-821-6710 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.

ACCEPTABLE FILL MATERIALS: STORMTECH SC-800 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE (B) LAYER TO 19" (270 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOILS/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145* A-1, A-2-4, A-3 OR AASHTO M43* 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE (A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[1]	AASHTO M43* 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBERS.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[1]	AASHTO M43* 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE REQUIRED, THE FOUNDATION STONE MAY BE COMPROMISED BY COMPACTION. FOR STANDARD DESIGN LOADINGS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. CARE SHALL BE TAKEN TO PREVENT SOIL/AGGREGATE FINES FROM MIGRATING INTO THE CHAMBER AREA AND FOUNDATION STONE DURING PLACEMENT AND COMPACTION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'B' OR 'C' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.29 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



NOTES:

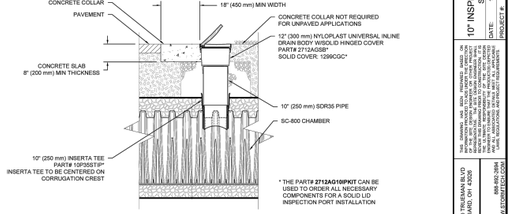
1. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
2. SC-800 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS. REFERENCE STORMTECH DESIGN MANUAL FOR BEARING CAPACITY GUIDANCE.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2" (50 mm).
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 700 LB/FT/%, AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 75° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

BROWNSBURG HIGH SCHOOL EAST ATHLETICS — BROWNSBURG, IN — DATE: 09.02.25 — DRAWN: TSG — CHECKED: XXX — PROJECT #: 6485128

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12 SHEET OF 15

10" INSPECTION PORT DETAIL



SC-800 10" (250 mm) INSPECTION PORT DETAIL
NTS

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1

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INSPECTION & MAINTENANCE

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT
- A. INSPECTION PORTS (IF PRESENT)
  - A.1. REMOVE LID AND GRATE FOR NYLOPLAST INLINE DRAIN
  - A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED.
  - A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG
  - A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
  - A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 3. IF NOT, PROCEED TO STEP 3.
- B. ALL OTHER APPROACHES
  - B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS
  - B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE
    - i) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY
    - ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
  - B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 3. IF NOT, PROCEED TO STEP 3.

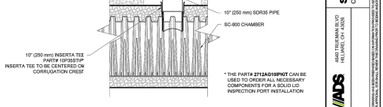
STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS
- A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45° (1.1 m) OR MORE IS PREFERRED
- B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- C. VACUUM STRUCTURE SUMP AS REQUIRED

STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

NOTES

1. INSPECT EVERY 6 MONTHS DURING THEFIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



SC-800 10" (250 mm) INSPECTION PORT DETAIL
NTS

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13 SHEET OF 15

UNDERDRAIN DETAIL

NTS

SC-800 TECHNICAL SPECIFICATION

NTS

NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	51.0" X 33.0" X 85.4"	(1295 mm X 838 mm X 2169 mm)
CHAMBER STORAGE	50.8 CUBIC FEET	(1.43 m³)
MINIMUM INSTALLED STORAGE*	76.4 CUBIC FEET	(2.22 m³)
WEIGHT	81.8 lbs	(37.1 kg)

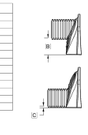
NOMINAL END CAP SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	45.0" X 32.6" X 16.5"	(1181 mm X 828 mm X 267 mm)
END CAP STORAGE	3.4 CUBIC FEET	(0.09 m³)
MINIMUM INSTALLED STORAGE**	14.7 CUBIC FEET	(0.42 m³)
WEIGHT	19.7 lbs.	(7.1 kg)

* ASSUMES 9" (150 mm) STONE ABOVE AND BELOW CHAMBER, 5" (75 mm) BETWEEN CHAMBERS
**ASSUMES 9" (150 mm) STONE ABOVE AND BELOW END CAPS, 5" (75 mm) BETWEEN ROWS, 12" (300 mm) BEYOND END CAPS

PRE-CORED HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "BPC"
PRE-CORED HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "TPC"

PART #	STUB	B	C
SC800EPE06TPC	6" (150 mm)	21.4" (544 mm)	0.9" (23 mm)
SC800EPE08BPC		---	
SC800EPE08TPC	8" (200 mm)	19.2" (488 mm)	1.0" (25 mm)
SC800EPE08BPC		---	
SC800EPE10TPC	10" (250 mm)	17.0" (432 mm)	1.2" (30 mm)
SC800EPE10BPC		---	
SC800EPE12TPC	12" (300 mm)	14.4" (366 mm)	1.6" (41 mm)
SC800EPE12BPC		---	
SC800EPE15TPC	15" (375 mm)	11.3" (287 mm)	1.7" (43 mm)
SC800EPE15BPC		---	
SC800EPE18TPC	18" (450 mm)	8.0" (203 mm)	2.0" (51 mm)
SC800EPE18BPC		---	
SC800CCE2	24" (600 mm)	---	2.3" (58 mm)



NOTE: ALL DIMENSIONS ARE NOMINAL

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14 SHEET OF 15

PROPOSED LAYOUT: SOUTH BED A

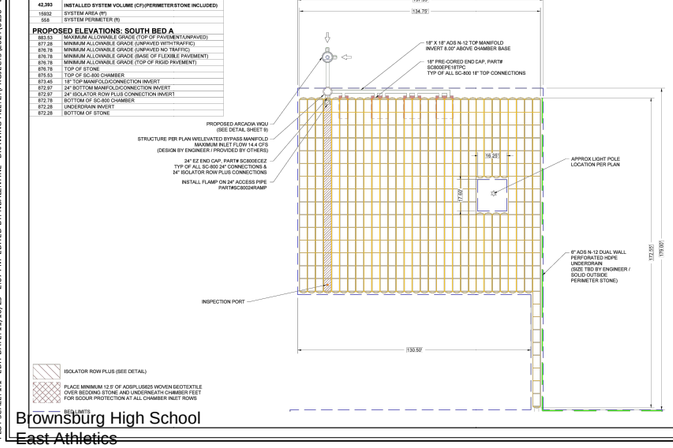
447	STORMTECH SC-800 CHAMBERS
94	STORMTECH SC-800 END CAPS
15	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
42,393	**INSTALLED SYSTEM VOLUME (CF)(PERIMETER STONE INCLUDED)**
15832	SYSTEM AREA (ft²)
568	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS: SOUTH BED A

883.03	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
877.28	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
876.78	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
876.78	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
876.78	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
876.78	TOP OF STONE
873.45	TOP OF SC-800 CHAMBER
873.45	18" TOP MANIFOLD/CONNECTION INVERT
872.67	24" BOTTOM MANIFOLD/CONNECTION INVERT
872.67	24" ISOLATOR ROW PLUS CONNECTION INVERT
872.78	BOTTOM OF SC-800 CHAMBER
872.28	UNDERDRAIN INVERT
872.28	BOTTOM OF STONE

NOTES

- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.



BROWNSBURG HIGH SCHOOL EAST ATHLETICS — BROWNSBURG, IN — DATE: 09.02.25 — DRAWN: TSG — CHECKED: XXX — PROJECT #: 6485128

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7 SHEET OF 15

PROPOSED LAYOUT: SOUTH BED B

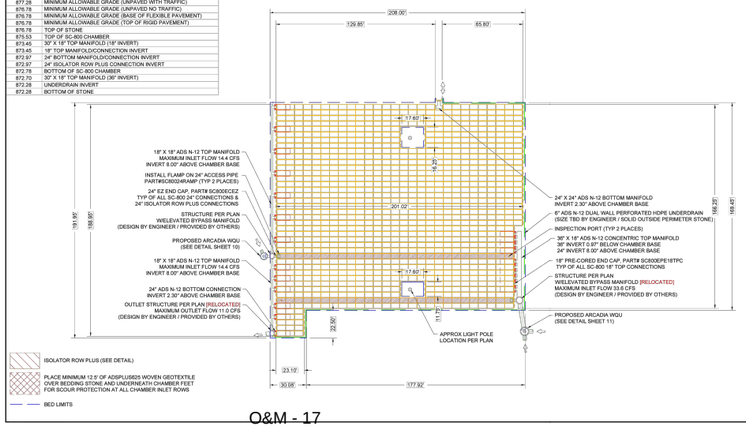
1,014	STORMTECH SC-800 CHAMBERS
100	STORMTECH SC-800 END CAPS
15	STONE ABOVE (in)
6	STONE BELOW (in)
40	% STONE VOID
94,775	**INSTALLED SYSTEM VOLUME (CF)(PERIMETER STONE INCLUDED)**
35429	SYSTEM AREA (ft²)
873	SYSTEM PERIMETER (ft)

PROPOSED ELEVATIONS: SOUTH BED B

883.03	MAXIMUM ALLOWABLE GRADE (TOP OF PAVEMENT/UNPAVED)
877.28	MINIMUM ALLOWABLE GRADE (UNPAVED WITH TRAFFIC)
876.78	MINIMUM ALLOWABLE GRADE (UNPAVED NO TRAFFIC)
876.78	MINIMUM ALLOWABLE GRADE (BASE OF FLEXIBLE PAVEMENT)
876.78	MINIMUM ALLOWABLE GRADE (TOP OF RIGID PAVEMENT)
876.78	TOP OF STONE
873.45	TOP OF SC-800 CHAMBER
872.70	30" X 18" TOP MANIFOLD (36" INVERT)
872.28	UNDERDRAIN INVERT
872.28	BOTTOM OF STONE

NOTES

- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND IF NECESSARY ADJUST GRADING TO ENSURE THE CHAMBER COVER REQUIREMENTS ARE MET.



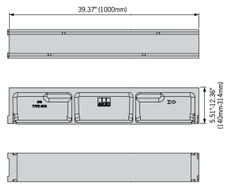
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StormTech®

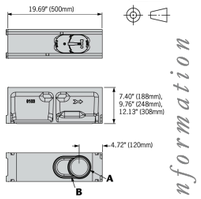
ACO SPORT

System 4000 - Open channel trench drain system

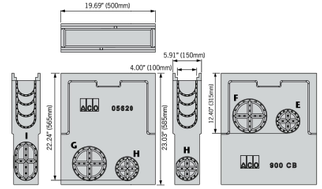
One meter channel



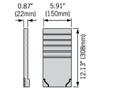
Half meter channel



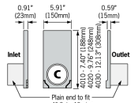
In-line catch basin



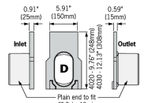
Closing cap



4" Inlet/outlet caps



6" Oval Inlet/outlet caps



Outlet flow rates

Outlet	Product	Outlet size (Sch. 40)	Invert Depth	GPM	CFS
A	Bottom outlet - 40103	4" round	6.50	117	0.26
A	Bottom outlet - 40303	4" round	11.22	185	0.41
B	Bottom outlet - 40103	6" oval	6.50	183	0.40
B	Bottom outlet - 40303	6" oval	11.22	288	0.64
C	Outlet cap - 4010	4" round	6.50	119	0.27
C	Outlet cap - 4030	4" round	11.22	168	0.39
D	Outlet cap - 4020	6" oval	8.86	220	0.50
D	Outlet cap - 4030	6" oval	11.22	248	0.57
E	In-line catch basin*	4" round	12.40	175	0.40
F	In-line catch basin*	6" round	12.40	379	0.87
G	In-line catch basin*	6" round	22.24	530	1.22
H	In-line catch basin*	4" round	22.24	242	0.54
I	In-line catch basin*	6" oval	22.24	372	0.86

* Inline catch basin flow rate without trash bucket - using trash bucket reduces flow

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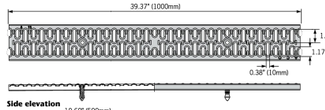
April 2018

ACO Specification Information

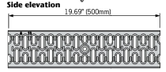
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Slotted galvanized steel grate details

Plan view

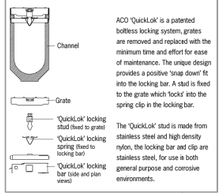


Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grates				
Slotted galvanized steel grate	**31530**	39.37 (1000)	4.84 (123)	5.9
Slotted galvanized steel grate	**31531**	19.69 (500)	4.84 (123)	3.0
QuickLok locking bar	**02899**	-	-	0.2
QuickLok grate removal hook	**01319**	-	-	0.6

'QuickLok' locking mechanism



ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed to the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

ACO, Inc.

West Sales Office
825 W Beechcraft Street
Casa Grande, AZ 85122
Tel: (520) 421-9988
Toll Free: (888) 490-9552
Fax: (520) 421-9899

Northeast Sales Office
9470 Pinecone Drive
Mentor, OH 44060
Tel: (440) 639-7230
Toll free: (800) 543-4764
Fax: (440) 639-7235

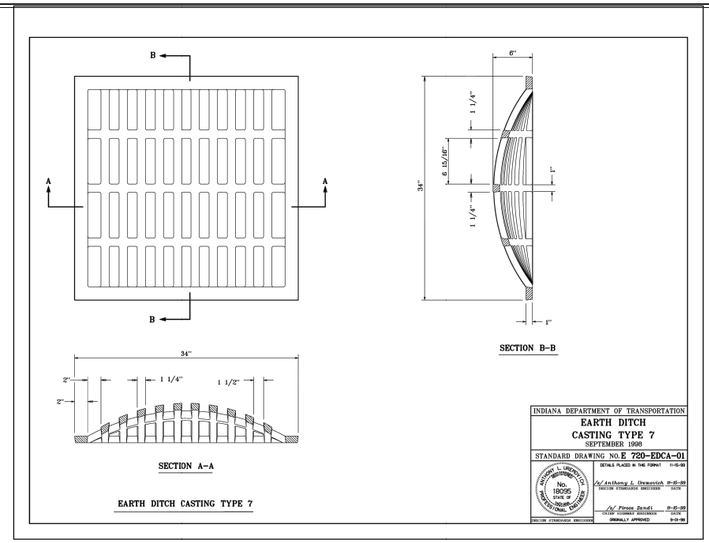
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4211 Pleasant Road
Fort Mill, SC 29708
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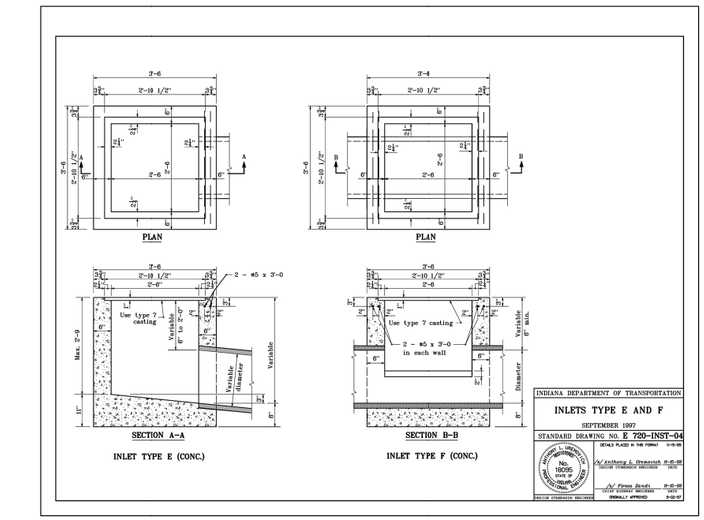
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SPEC INFO ACO



INDIANA DEPARTMENT OF TRANSPORTATION
EARTH DITCH
CASTING TYPE 7
SEPTEMBER 1998
STANDARD DRAWING NO. E 720-EDCA-01
DETAILS PLACED IN THE FORMAT 11-5-98
APPROVED BY THE STANDARDS DIRECTORATE
No. 19095 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER
/s/ Anthony L. Dranovich 9-25-98
STANDARDS DIRECTOR EXECUTIVE
/s/ Firoz Zaidi 9-25-98
CHIEF HIGHWAY ENGINEER EXECUTIVE
ORIGINALLY APPROVED 9-10-98



INDIANA DEPARTMENT OF TRANSPORTATION
INLETS TYPE E AND F
SEPTEMBER 1997
STANDARD DRAWING NO. E 720-INST-04
DETAILS PLACED IN THIS FORMAT 11-5-98
APPROVED BY THE STANDARDS DIRECTORATE
No. 19095 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER
/s/ Anthony L. Dranovich 9-25-98
STANDARDS DIRECTOR EXECUTIVE
/s/ Firoz Zaidi 9-25-98
CHIEF HIGHWAY ENGINEER EXECUTIVE
ORIGINALLY APPROVED 9-10-98

ACO SPORT

System 4000 Open channel trench drain system

Description	Part No	Invert Depth inches	Invert Depth mm	Overall Depth inches	Overall Depth mm	Wgt lbs
4000-1 Slope channel - 39.37" (1meter'	**138001**	4.61	117	5.51	140	32.0
4002 Constant depth channel - 39.37" (1meter)	**06562**	**4.61**	**117**	**5.51**	**140**	**32.9**
4000-2 Slope channel - 39.37" (1meter'	**138002**	4.84	123	5.75	146	32.9
4000-3 Slope channel - 39.37" (1meter	**138003**	5.08	129	5.98	152	33.8
4000-4 Slope channel - 39.37" (1meter'	**138004**	5.31	135	6.22	158	34.7
4000-5 Slope channel - 39.37" (1meter	**138005**	5.55	141	6.46	164	35.6
4000-6 Slope channel - 39.37" (1meter	**138006**	5.79	147	6.69	170	36.5
4000-7 Slope channel - 39.37" (1meter)	**138007**	6.02	153	6.93	176	37.4
4000-8 Slope channel - 39.37" (1meter'	**138008**	6.26	159	7.17	182	38.3
4000-9 Slope channel - 39.37" (1meter	**138009**	6.50	165	7.40	188	39.2
4010 Constant depth channel - 39.37" (1meter)	**06561**	**6.50**	**165**	**7.40**	**188**	**40.1**
4010D Constant depth channel - 19.69" (0.5meter)	**138033**	**6.50**	**165**	**7.40**	**188**	**23.0**
4000-10 Sloped channel - 39.37" (1meter)	**138010**	6.73	171	7.64	194	40.1
4000-11 Sloped channel - 39.37" (1meter)	**138011**	6.97	177	7.87	200	41.0
4000-12 Sloped channel - 39.37" (1meter)	**138012**	7.20	183	8.11	206	41.9
4000-13 Sloped channel - 39.37" (1meter)	**138013**	7.44	189	8.35	212	42.8
4000-14 Sloped channel - 39.37" (1meter)	**138014**	7.68	195	8.58	218	43.7
4000-15 Sloped channel - 39.37" (1meter)	**138015**	7.91	201	8.82	224	44.6
4000-16 Sloped channel - 39.37" (1meter)	**138016**	8.15	207	9.06	230	45.5
4000-17 Sloped channel - 39.37" (1meter)	**138017**	8.39	213	9.29	236	46.4
4000-18 Sloped channel - 39.37" (1meter)	**138018**	8.62	219	9.53	242	47.3
4000-19 Sloped channel - 39.37" (1meter)	**138019**	8.86	225	9.76	248	48.2
4020 Constant depth channel - 39.37" (1meter)	**06563**	**8.86**	**225**	**9.76**	**248**	**49.1**
4020J Constant depth channel - 19.69" (0.5meter)	**138035**	**8.86**	**225**	**9.76**	**248**	**26.0**
4000-20 Sloped channel - 39.37" (1meter)	**138020**	9.09	231	10.00	254	49.1
4000-21 Sloped channel - 39.37" (1meter)	**138021**	9.33	237	10.24	260	50.0
4000-22 Sloped channel - 39.37" (1meter)	**138022**	9.57	243	10.47	266	50.9
4000-23 Sloped channel - 39.37" (1meter)	**138023**	9.80	249	10.71	272	51.8
4000-24 Sloped channel - 39.37" (1meter)	**138024**	10.04	255	10.94	278	52.7
4000-25 Sloped channel - 39.37" (1meter)	**138025**	10.28	261	11.18	284	53.6
4000-26 Sloped channel - 39.37" (1meter)	**138026**	10.51	267	11.42	290	54.5
4000-27 Sloped channel - 39.37" (1meter)	**138027**	10.75	273	11.65	296	55.6
4000-28 Sloped channel - 39.37" (1meter)	**138028**	10.98	279	11.89	302	56.5
4000-29 Sloped channel - 39.37" (1meter)	**138029**	11.22	285	12.13	308	57.4
4030 Constant depth channel - 39.37" (1meter)	**138036**	**11.22**	**285**	**12.13**	**308**	**58.3**
4030J Constant depth channel - 19.69" (0.5meter)	**138037**	**11.22**	**285**	**12.13**	**308**	**31.0**
4000-30 Sloped channel - 39.37" (1meter)	**138030**	11.46	291	12.36	314	59.2
Catch basin						
In-line catch basin - 19.69" (0.5m)	**05620**	22.13	562	23.03	585	62.0
QuickLok bar (removable)	**98717**	-	-	-	-	0.1
Series 900 plastic trash bucket	**01498**	-	-	-	-	1.1
6" oval to round adapter (fits outlets B &I)	**95140**	-	-	-	-	1.1
Accessories						
Debris strainer for 4" bottom knockout (fits outlet A)	**93488**	-	-	-	-	0.2
Universal closing end cap	**137090**	-	-	12.13	308	4.5
104-4 Inlet cap with 4" schedule 40 pipe	**137091**	6.50	165	7.40	188	2.6
108-4 Outlet cap with 4" schedule 40 pipe	**137092**	6.50	165	7.40	188	2.0
204-4 Inlet cap with 4" schedule 40 pipe	**137093**	8.86	225	9.76	248	3.7
208-4 Outlet cap with 4" schedule 40 pipi	**137094**	8.86	225	9.76	248	2.6
204-6 Inlet end cap with 6" schedule 35 pipe	**137095**	8.86	225	9.76	248	3.3
208-6 Outlet end cap with 6" schedule 35 pipe	**137095**	8.86	225	9.76	248	2.6
304-4 Inlet cap with 4" schedule 40 pipe	**137096**	11.22	285	12.13	308	4.6
308-4 Outlet cap with 4" schedule 40 pipi	**137097**	11.22	285	12.13	308	3.3
304-6 Inlet end cap with 6" schedule 35 pipe	**137100**	11.22	285	12.13	308	4.4
308-6 Outlet end cap with 6" schedule 35 pipe	**137098**	11.22	285	12.13	308	3.3

Notes:
1. Preformed 4° dia. & 6° flumed drill-out outlet cast on underside of half meter channels only.
2. Closing cap can be cut down to suit all channels.
3. Invert depths are at the male (downstream) end - subtract 0.24" (6mm) for female invert depth **EXCEPT** constant depth channels where the invert is the same both ends.

Part I - General

1.1 **Related Work** - Work specified in other sections includes: Excavation and backfill, cast-in-place concrete, and mechanical equipment.

1.2 **System Description** - Interconnecting, polymer concrete modular trench drainage system.

1.3 **Submittals** - On request, shop drawings showing schematic plan of total drainage system listing all parts with center-line dimensions. Copies of manufacturer's recommended installation instructions.

1.4 **Project History** - Manufacturer to provide list of installed projects, if required.

1.5 **Warranty** - Limited one year product warranty based on installation according to manufacturer's installation instructions (see below).

Part II - Product

2.1 **Products** - Manufactured by ACO, Inc.

2.2 **Physical & Mechanical Characteristics**
- Overall width - 5.91 inches (150mm)
- Internal width - 4.00 inches (100mm)
- Unit depth - varies - see Product Table
- Unit length - 39.37 inches (1000mm), or 19.69" (500mm)
- Compressive strength - 14,000 psi
- Flexural strength - 4,000 psi
- Water absorption rate - <0.1% by weight.
- ADA compliant to American Disabilities Act of 1990 Section 4.5.4 with appropriate grate (4940/4950)

2.3 **Channel Profile** - Each unit features a full radius in trench bottom, and male to female interconnecting ends. Horizontal cast-in anchoring features on outside walls to ensure maximum mechanical bond to surrounding bedding material.

2.4 **Catch Basins** - Manufactured from polymer concrete, be one half meter (19.69") in length and include a trash bucket (optional).

2.5 **Grates** - A choice of QuickLok grates are available. See separate Spec Info sheets for details.

Part III - Installation

3.1 **Site Preparation** - Excavate area to accommodate ACO SPORT System 4000 channel and to allow a minimum of 4 inches (100mm) concrete encasement (recommended 4,000psi) on 3 sides to provide necessary support. Top of channel must be evenly aligned to surface of surrounding slab. See installation section for haunch details for different loadings & pavement materials.

3.2 **Installation** - Start at outlet or catch basin. Insert channels from above to allow ends to interconnect. Channel sections shall be placed on brick, rebar basket, install device, or low slump concrete slurry to obtain correct finished elevation. Cutting will be made, if required, by masonry or concrete saw. Protect channel from concrete splash during concrete pour. Place concrete in a manner that will not dislodge channels.

3.3 **Finishing and Clean-up** - Following final set of concrete, remove channel protection and thoroughly flush system to remove debris.

3.4 Install in strict accordance with manufacturer's recommendations and drawings. Full details available at **www.ACOSport.us.**

ACO, Inc.

West Sales Office
825 W Beechcraft Street
Casa Grande, AZ 85122
Tel: (520) 421-9988
Toll Free: (888) 490-9552
Fax: (520) 421-9899

Northeast Sales Office
9470 Pinecone Drive
Mentor, OH 44060
Tel: (440) 639-7230
Toll free: (800) 543-4764
Fax: (440) 639-7235

Southeast Sales Office
4211 Pleasant Road
Fort Mill, SC 29708
Toll free: (800) 543-4764
Fax: (803) 802-1063

Follow us on

Electronic Contact:
info@ACOSport.us
www.ACOSport.us

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Revision A0622

SPEC INFO ACO

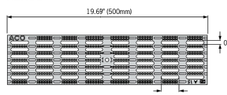
April 2018

ACO Specification Information

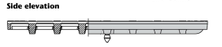
ACO SPORT

ADA plastic grate details

Plan view



Side elevation



Description	Part No.	Length inches (mm)	Width inches (mm)	Weight lbs.
QuickLok grates				
ADA black plastic grate	**97393**	19.69 (500)	4.84 (123)	1.8
ADA gray plastic grate	**97385**	19.69 (500)	4.84 (123)	1.8
QuickLok locking bar	**02899**	-	-	0.2
QuickLok grate removal hook	**01318**	-	-	0.6

'QuickLok' locking mechanism



ACO 'QuickLok' is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive 'snap down' fit into the locking bar. A stud is fixed to the grate which 'locks' into the spring clip in the locking bar.

The 'QuickLok' stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

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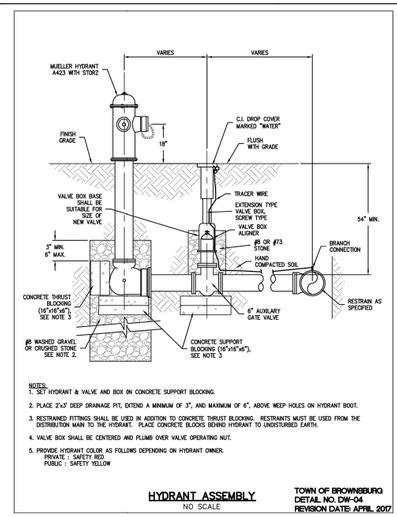
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Fort Mill, SC 29708
Toll free: (800) 543-4764
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SPEC INFO ACO



NOTES:
1. SET HYDRANT & VALVE AND BOX ON CONCRETE SUPPORT BLOCKING.
2. PLACE 2'x3' DEEP DRAINAGE PIT, EXTEND A MINIMUM OF 3', AND MAXIMUM OF 6', ABOVE WEEP HOLES ON HYDRANT BOOT.
3. RESTRAINED FITTINGS SHALL BE USED IN ADDITION TO CONCRETE THRUST BLOCKING. RESTRAINTS MUST BE USED FROM THE DISTRIBUTION MAIN TO THE HYDRANT. PLACE CONCRETE BLOCKS BEHIND HYDRANT TO UNDISTURBED EARTH.
4. VALVE BOX SHALL BE CENTERED AND PLUMB OVER VALVE OPERATING NUT.
5. PROVIDE HYDRANT COLOR AS FOLLOWS DEPENDING ON HYDRANT OWNER.
   PRIVATE : SAFETY RED
   PUBLIC : SAFETY YELLOW

HYDRANT ASSEMBLY
NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. DW-04
REVISION DATE: APRIL 2017

Brownsburg Community School Corporation
Higher Achievement • Together

CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net

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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

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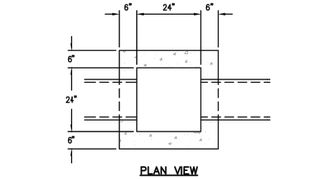
DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CARDING
REGISTERED
LANDSCAPE ARCHITECT
No. LA20300181
STATE OF INDIANA
PROFESSIONAL ENGINEER
11/10/2025

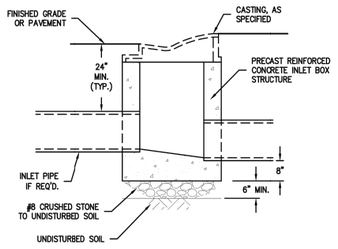
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PROJECT NUMBER
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PLAN VIEW



ELEVATION VIEW

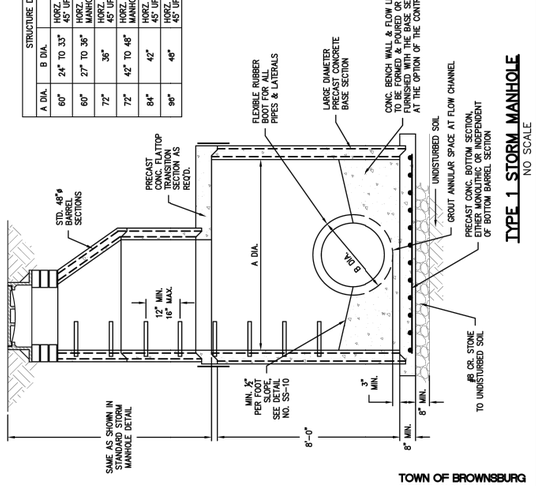
NOTES:
1. PROVIDE GRATE CASTING WITH A POLLUTION PREVENTION MESSAGE AND ICON WHICH ARE PERMANENTLY ATTACHED OR CAST DIRECTLY INTO THE CASTING. THE CASTING SHALL HAVE THE MESSAGE "DUMP NO WASTE <FISH ICON> DRAINS TO WATERWAY" IN MINIMUM 1 INCH HIGH LETTERS.
2. INSTALL CASTING ¼" BELOW FINISHED PAVEMENT ELEVATION.

INLET TYPE A

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SW-13
REVISION DATE: SEPT 2016

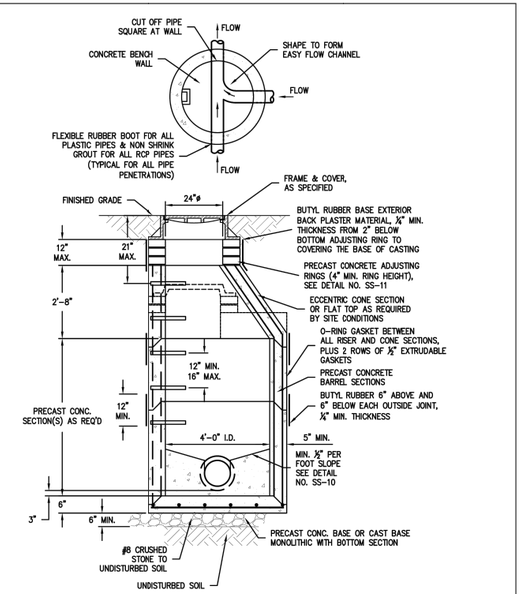
STRUCTURE DATA SCHEDULE		
A. DIA.	B. DIA.	APPLICATION
60"	24" TO 33"	HORZ. PIPE DEFLECTION GREATER THAN 45° UP TO 90°
60"	27" TO 36"	HORZ. PIPE DEFLECTION STRAIGHT THRU MANHOLE UP TO 45°
72"	36"	HORZ. PIPE DEFLECTION GREATER THAN 45° UP TO 90°
72"	42" TO 48"	HORZ. PIPE DEFLECTION STRAIGHT THRU MANHOLE UP TO 45°
84"	42"	HORZ. PIPE DEFLECTION GREATER THAN 45° UP TO 90°
96"	48"	HORZ. PIPE DEFLECTION GREATER THAN 45° UP TO 90°



TYPE 1 STORM MANHOLE

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SW-12
REVISION DATE: SEPT 2016

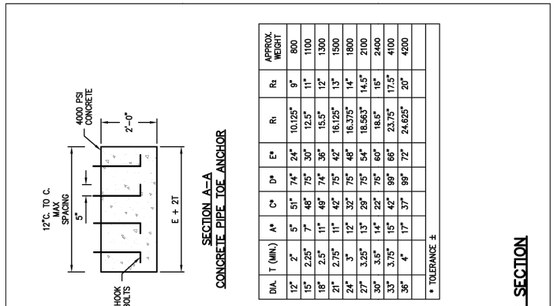


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2. INSTALL CASTING ¼" BELOW FINISHED PAVEMENT ELEVATION.

STANDARD STORM MANHOLE

NO SCALE

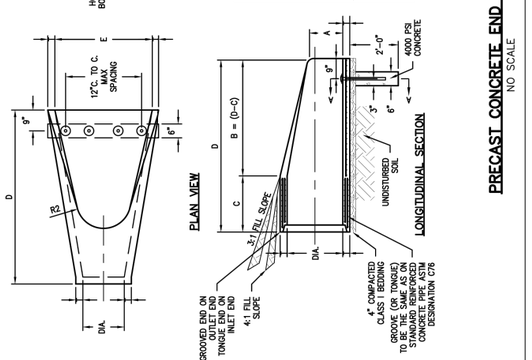
TOWN OF BROWNSBURG
DETAIL NO. SW-11
REVISION DATE: SEPT 2016



SECTION A-A
CONCRETE PIPE TOE ANCHOR

DIA.	T (MIN.)	A*	C*	D*	E*	R1	R2	APPROX. WEIGHT
12"	2"	5"	51"	74"	24"	10.125"	8"	800
15"	2.25"	7"	48"	75"	30"	12.5"	11"	1100
18"	2.5"	11"	48"	74"	36"	15.5"	12"	1300
21"	2.75"	11"	42"	75"	42"	18.125"	13"	1500
24"	3"	12"	32"	75"	48"	18.375"	14"	1900
27"	3.25"	13"	29"	75"	54"	18.9063"	14.5"	2100
30"	3.5"	14"	22"	75"	60"	18.5"	15"	2400
33"	3.75"	15"	42"	89"	66"	23.75"	17.5"	4100
36"	4"	17"	37"	89"	72"	24.625"	20"	4200

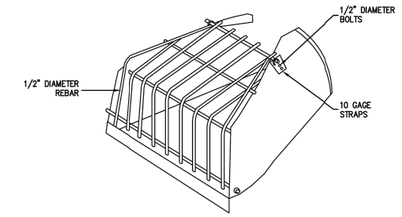
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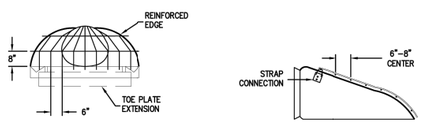


PRECAST CONCRETE END SECTION

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SW-09
REVISION DATE: SEPT 2016





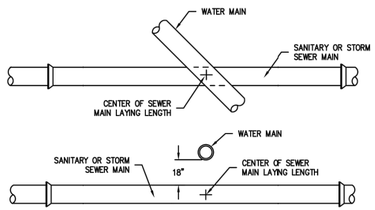
ELEVATION CROSS SECTION

NOTES:
1. TRASH RACK BARS TO BE BLACK STEEL.
2. PAINT WITH HIGH ZINC COATING AFTER FABRICATION.
3. PLANT FIT TRASH RACK CONFIGURATION.
4. BOLT THROUGH BOTTOM SECTION WITH NUT.
5. LAY OPEN ON BOTTOM FOR "HINGE" EFFECT.
6. LAST CROSS BAR THROUGH BOTTOM SECTION.
7. DETAIL APPLIES TO PIPES 18" AND LARGER AND ARE REQUIRED ON INLETS AND OUTLETS (BOTH ENDS OF THE PIPE) FOR CULVERT PIPES.

TRASH GUARD

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SW-10
REVISION DATE: SEPT 2016



NOTES:
1. WATER MAIN AND SEWER MINIMUM SEPARATION: 18" VERTICAL SEPARATION 10'-0" HORIZONTAL SEPARATION.

MINIMUM CROSSOVER AND SEPARATION REQUIREMENTS FOR SEWER & WATER MAINS

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. GE-02
REVISION DATE: SEPT 2016

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CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 csoinc.net

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5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theverdugroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

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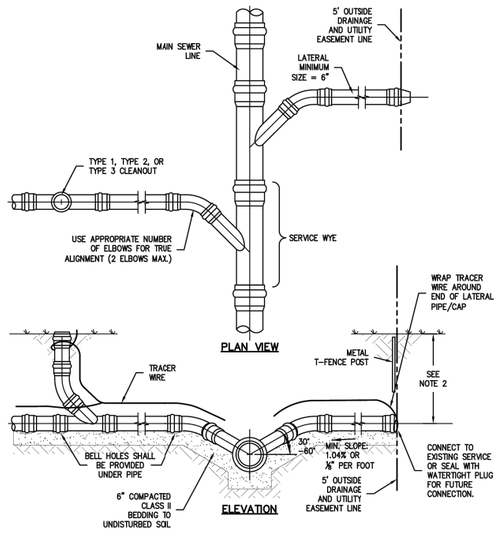
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CERTIFIED BY:
KELLY ANN CARTER – REGISTERED – No. PE10003871 – STATE OF INDIANA – PROFESSIONAL ENGINEER
APPROVAL PENDING
11/10/2025

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C454

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
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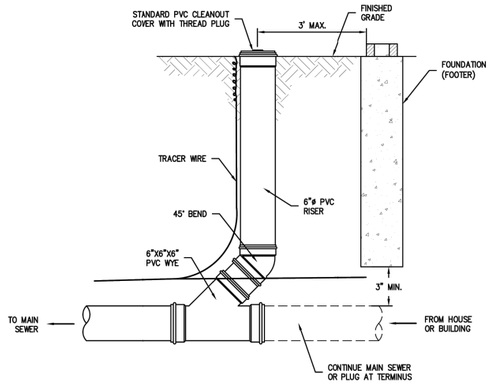


NOTES:
1. WYE BRANCHES SHALL BE INSTALLED WHERE INDICATED. THEY SHALL BE EXTENDED TO PROPERTY LINES OR TO DISTANCES AS SHOWN ON THE DRAWINGS, AND SHALL BE OF 6" PIPE UNLESS OTHERWISE SHOWN.
2. THE DEPTH OF THE LATERAL SHALL BE APPROXIMATELY 5'-0" UNLESS SEWER DEPTH IS LESS, IN WHICH EVENT A MINIMUM SLOPE OF 1/8" PER 1'-0" SHALL BE USED. THE DEPTH OF THE LATERAL SHALL BE NO LESS THAN 5'-0".
3. COMPACTION OF BEDDING AND BACKFILL IS CRITICAL UNDER WYE AND BEND. IF PROPER COMPACTION CANNOT BE ACHIEVED, PLACE A MIN. OF 6" OF CLASS B CONCRETE AROUND BEND.

SANITARY LATERAL FOR SHALLOW SEWERS (LESS THAN 15' DEEP)

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SS-01
REVISION DATE: SEPT 2016

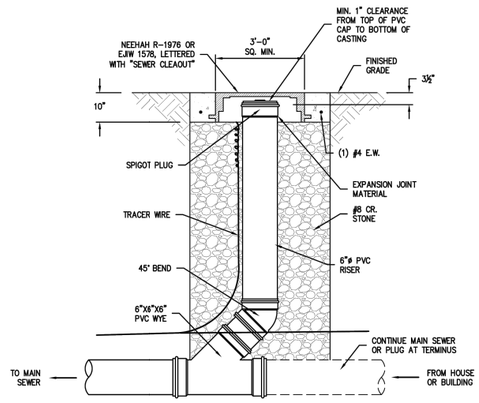


NOTES:
1. FOR USE IN LAWN OR LANDSCAPED SURFACES (LESS THAN 3' FROM HOUSE OR BUILDING).

TYPE 1 CLEANOUT

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SS-03
REVISION DATE: SEPT 2016

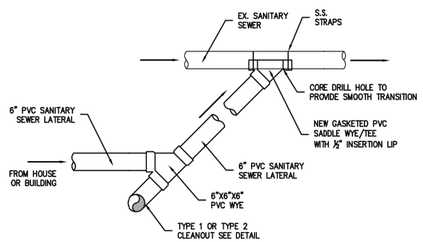


NOTES:
1. FOR USE IN PAVED AREAS.
2. CONCRETE APRON AND CASTING SHALL BE INSTALLED SO THAT THEY DO NOT CONTACT THE CLEANOUT RISER PIPE OR CAP.

TYPE 2 CLEANOUT

NO SCALE

TOWN OF BROWNSBURG
DETAIL NO. SS-04
REVISION DATE: SEPT 2016

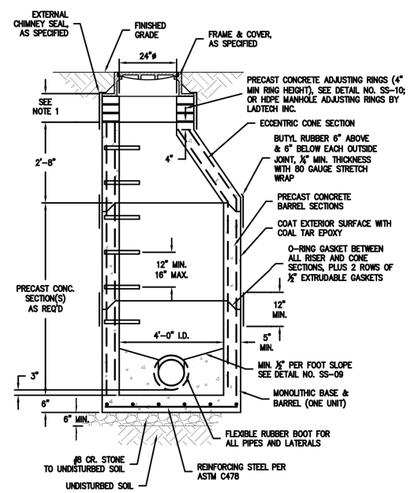


NOTES:
1. NEW CORE DRILL MUST BE A MINIMUM 6" FROM NEAREST PIPE JOINT.

NEW SERVICE CONNECTION TO EXISTING SANITARY SEWER

NO SCALE

DETAIL NO. SS-06
REVISION DATE: MAY 2013



NOTES:
1. FOR NEW CONSTRUCTION 8' MAX. CHIMNEY HEIGHT. FOR EXISTING MANHOLES, 12" MAX. CHIMNEY HEIGHT.

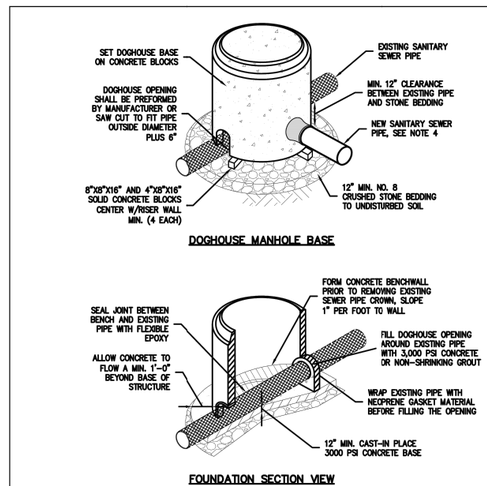
STANDARD SANITARY MANHOLE

NO SCALE

REFER TO SPEC SECTION 02730

TOWN OF BROWNSBURG
DETAIL NO. SS-06
REVISION DATE: FEBRUARY 2024

Town standards can be found at www.brownsburg.org



DOGHOUSE MANHOLE BASE

FOUNDATION SECTION VIEW

NOTES:
1. REQUIRES PRE-APPROVAL BY TOWN OF BROWNSBURG.
2. MANHOLE CONSTRUCTION AND ACCESSORIES ABOVE BASE SAME AS SHOWN FOR STANDARD SANITARY MANHOLE.
3. CONSTRUCT A FORMED INVERT FROM NEW SEWER LINE TO ALLOW FLOW TO THE EXISTING PIPE.
4. CUT AND REMOVE THE TOP HALF OF EXISTING PIPE TO WITHIN 6" OF THE MANHOLE WALLS AFTER THE INVERT AND SHELF HAVE BEEN FORMED AND THE MANHOLE HAS BEEN FULLY TESTED IN ACCORDANCE WITH THESE SPECIFICATIONS.
5. PROVIDE ADEQUATE PIPE SUPPORT DURING CONSTRUCTION TO PREVENT PIPE DAMAGE.

DOGHOUSE MANHOLE OVER EXISTING SANITARY SEWER

NO SCALE

REFER TO SPEC SECTION 02730

TOWN OF BROWNSBURG
DETAIL NO. SS-11
REVISION DATE: FEBRUARY 2024

Town standards can be found at www.brownsburg.org

Brownsburg Community School Corporation
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract. On the basis of the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CARTER
REGISTERED
No. PE10003871
STATE OF INDIANA
PROFESSIONAL ENGINEER
APPROVAL PENDING
11/10/2025

DRAWING NUMBER
C455

PROJECT NUMBER
2024-0150

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ARCADIA SPECIFICATIONS

MATERIALS AND DESIGN

CONCRETE STRUCTURES: DESIGNED FOR H-20 AND/OR HS-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERMISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C857 AND ASTM C858.

HP MANHOLE STRUCTURES: MADE FROM AN IMPACT MODIFIED COPOLYMER POLYPROPYLENE MEETING THE MATERIAL REQUIREMENTS OF ASTM F2764. THE ECCENTRIC CONE REDUCER SHALL BE MANUFACTURED FROM POLYETHYLENE MATERIAL MEETING ASTM D3350 CELL CLASS 213320C. GASKETS SHALL BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF ASTM F477.

PERFORMANCE

THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.

THE STORMWATER TREATMENT UNIT INTERNALS SHALL CONSIST OF (1) SEPARATOR ASSEMBLY,

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.

-OR-

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.

-OR-

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL.

MANUFACTURER

EACH STORMWATER TREATMENT SYSTEM SHALL BE AN ARCADIA SYSTEM AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS™, 2650 HAMILTON-EATON RD., HAMILTON, OH, 45011.

ARCADIA MAINTENANCE

ARCADIA SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH EXCEEDS 18 INCHES. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF THE UNIT.

MAINTENANCE INSTRUCTIONS

1. REMOVE THE MANHOLE COVER TO PROVIDE ACCESS TO THE POLLUTANT STORAGE. POLLUTANTS ARE STORED IN THE SUMP, BELOW THE BOWL ASSEMBLY VISIBLE FROM THE SURFACE. YOU'LL ACCESS THIS AREA THROUGH THE CENTER ACCESS CYLINDER.
2. USE A VACUUM TRUCK OR OTHER SIMILAR EQUIPMENT TO REMOVE ALL WATER, DEBRIS, OILS AND SEDIMENT.
3. USE A HIGH PRESSURE HOSE TO CLEAN THE MANHOLE OF ALL THE REMAINING SEDIMENT AND DEBRIS. THEN, USE THE VACUUM TRUCK TO REMOVE THE WATER.
4. FILL THE CLEANED MANHOLE WITH WATER UNTIL THE LEVEL REACHES THE INVERT OF THE OUTLET PIPE.
5. REPLACE THE MANHOLE COVER.
6. DISPOSE OF THE POLLUTED WATER, OILS, SEDIMENT AND TRASH AT AN APPROVED FACILITY.
   - LOCAL REGULATIONS PROHIBIT THE DISCHARGE OF SOLID MATERIAL INTO THE SANITARY SYSTEM. CHECK WITH THE LOCAL SEWER AUTHORITY FOR AUTHORITY TO DISCHARGE THE LIQUID.
   - SOME LOCALITIES TREAT THE POLLUTANTS AS LEACHATE. CHECK WITH LOCAL REGULATORS ABOUT DISPOSAL REQUIREMENTS.
   - ADDITIONAL LOCAL REGULATIONS MAY APPLY TO THE MAINTENANCE PROCEDURE.

ARCADIA INSTALLATION NOTES

INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED BY CALLING ADVANCED DRAINAGE SYSTEMS AT (800) 821-6710 OR BY LOGGING ON TO WWW.ADSPIPE.COM

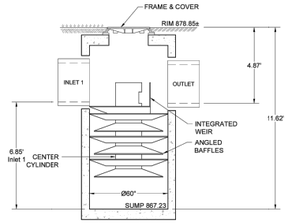
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ARCADIA AR5PC — STR-44

TREATMENT RATE (OK-110 80% REMOVAL)	4.30 CFS
BYPASS RATE	---

		DIAMETER	PIPE MATERIAL	INVERT
INLET	1	30"	HDPE	874.08
	2			
	3			
	4			
OUTLET		30"	HDPE	873.98

Required Treatment Rate = 3.85 cfs



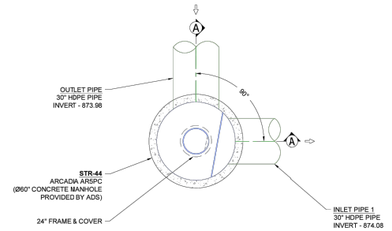
PROFILE VIEW
NTS

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-OR-

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH D50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION PER CURRENT NJDEP/NJCAT HDS PROTOCOL.



SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DRAWN: TSG
DATE: 09-02-25
CHECKED: XXX
PROJECT #: 8485128

DATE	DWN	CHK
10/17/2025	BW	
10/31/2025	LAH	

ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS

AS NOTED

SHEET 4 OF 15

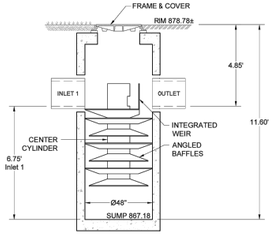
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ARCADIA AR4PC — STR-91

TREATMENT RATE (OK-110 80% REMOVAL)	2.75 CFS
BYPASS RATE	---

		DIAMETER	PIPE MATERIAL	INVERT
INLET	1	18"	HDPE	873.93
	2			
	3			
	4			
OUTLET		18"	HDPE	873.93

Required Treatment Rate = 1.49 cfs



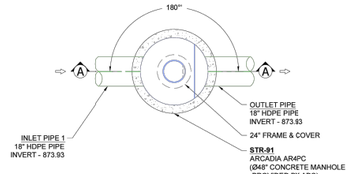
PROFILE VIEW
NTS

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SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DRAWN: TSG
DATE: 09-02-25
CHECKED: XXX
PROJECT #: 8485128

DATE	DWN	CHK
10/17/2025	BW	
10/31/2025	LAH	

ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS

AS NOTED

SHEET 5 OF 15

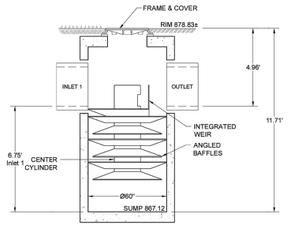
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ARCADIA AR5PC — STR-51

TREATMENT RATE (OK-110 80% REMOVAL)	4.30 CFS
BYPASS RATE	---

		DIAMETER	PIPE MATERIAL	INVERT
INLET	1	30"	HDPE	873.87
	2			
	3			
	4			
OUTLET		30"	HDPE	873.87

Required Treatment Rate = 2.38 cfs



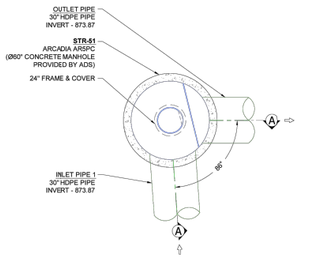
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DRAWN: TSG
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ADS

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www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS

95% CONSTRUCTION DOCUMENTS

1000 S ODELL ST, BROWNSBURG, IN 46112

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REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:

UTILITY DETAILS

CERTIFIED BY:

KELLY ANN CAMPBELL — REGISTERED — STATE OF INDIANA — No. PE19900616 — PROFESSIONAL ENGINEER — APPROVED FOR PERMITTING PURPOSES ONLY — 11/10/2025

DRAWING NUMBER
C456

PROJECT NUMBER
2024-0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:07 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2. DESIGN\CAD\C450 UTILITY DETAILS.DWG

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HP MANHOLE STRUCTURES: MADE FROM AN IMPACT MODIFIED COPOLYMER POLYPROPYLENE MEETING THE MATERIAL REQUIREMENTS OF ASTM F2764. THE ECCENTRIC CONE REDUCER SHALL BE MANUFACTURED FROM POLYETHYLENE MATERIAL MEETING ASTM D3350 CELL CLASS 213320C. GASKETS SHALL BE MADE OF MATERIAL MEETING THE REQUIREMENTS OF ASTM F477.

PERFORMANCE

THE STORMWATER TREATMENT UNIT SHALL BEAN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.

THE STORMWATER TREATMENT UNIT INTERNALS SHALL CONSIST OF (1) SEPARATOR ASSEMBLY.

THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 mg/L INFLUENT CONCENTRATION. SAID FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
-OR -
THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH d50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION.
-OR -
THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS PER CURRENT NJDEP/NJCAT HDS PROTOCOL.

MANUFACTURER

EACH STORMWATER TREATMENT SYSTEM SHALL BE AN ARCADIA SYSTEM AS MANUFACTURED BY ADVANCED DRAINAGE SYSTEMS™, 2650 HAMILTON-EATON RD., HAMILTON, OH, 45011.

ARCADIA MAINTENANCE

ARCADIA SYSTEMS MUST BE INSPECTED AND MAINTAINED PERIODICALLY. INSPECTION IS MADE BY CHECKING THE DEPTH OF SEDIMENT IN EACH MANHOLE WITH A GRADE STICK OR SIMILAR DEVICE. MAINTENANCE IS REQUIRED WHEN THE SEDIMENT DEPTH EXCEEDS 18 INCHES. MINIMUM INSPECTION IS RECOMMENDED TWICE A YEAR TO MAINTAIN OPERATION AND FUNCTION OF THE UNIT.

MAINTENANCE INSTRUCTIONS

1. REMOVE THE MANHOLE COVER TO PROVIDE ACCESS TO THE POLLUTANT STORAGE. POLLUTANTS ARE STORED IN THE SUMP, BELOW THE BOWL ASSEMBLY VISIBLE FROM THE SURFACE. YOU'LL ACCESS THIS AREA THROUGH THE CENTER ACCESS CYLINDER.
2. USE A VACUUM TRUCK OR OTHER SIMILAR EQUIPMENT TO REMOVE ALL WATER, DEBRIS, OILS AND SEDIMENT.
3. USE A HIGH PRESSURE HOSE TO CLEAN THE MANHOLE OF ALL THE REMAINING SEDIMENT AND DEBRIS. THEN, USE THE VACUUM TRUCK TO REMOVE THE WATER.
4. FILL THE CLEANED MANHOLE WITH WATER UNTIL THE LEVEL REACHES THE INVERT OF THE OUTLET PIPE.
5. REPLACE THE MANHOLE COVER.
6. DISPOSE OF THE POLLUTED WATER, OILS, SEDIMENT AND TRASH AT AN APPROVED FACILITY.
   - LOCAL REGULATIONS PROHIBIT THE DISCHARGE OF SOLID MATERIAL INTO THE SANITARY SYSTEM. CHECK WITH THE LOCAL SEWER AUTHORITY FOR AUTHORITY TO DISCHARGE THE LIQUID.
   - SOME LOCALITIES TREAT THE POLLUTANTS AS LEACHATE. CHECK WITH LOCAL REGULATORS ABOUT DISPOSAL REQUIREMENTS.
   - ADDITIONAL LOCAL REGULATIONS MAY APPLY TO THE MAINTENANCE PROCEDURE.

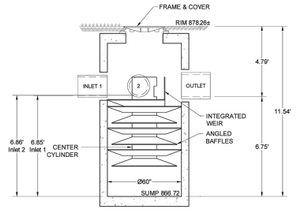
ARCADIA INSTALLATION NOTES

INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED BY CALLING ADVANCED DRAINAGE SYSTEMS AT (800) 821-6710 OR BY LOGGING ON TO WWW.ADSPIPE.COM

©2025 ADS, INC.

ARCADIA AR5PC			STR-18
TREATMENT RATE (OK-110 80% REMOVAL)			4.30 CFS
BYPASS RATE			---
	DIAMETER	PIPE MATERIAL	INVERT
INLET 1	15"	HDPE	873.57
INLET 2	15"	HDPE	873.58
INLET 3			
INLET 4			
OUTLET	18"	HDPE	873.47

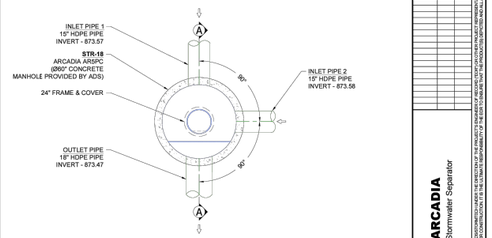
Required Treatment Rate = 3.97 cfs



PROFILE VIEW
NTS

PRODUCT SPECIFICATIONS

- THE STORMWATER TREATMENT UNIT SHALL BE AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAKFLOW. IF PEAK FLOW RATES EXCEED MAXIMUM HYDRAULIC RATE, THE UNIT SHALL BE INSTALLED OFFLINE.
- THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF THE SUSPENDED SOLIDS ON AN ANNUAL AGGREGATE REMOVAL BASIS. SAID REMOVAL SHALL BE BASED ON FULL-SCALE THIRD PARTY VERIFIED TESTING USING OK-110 MEDIA GRADATION OR EQUIVALENT AND 300 MG/L INFLUENT CONCENTRATION. FULL SCALE TESTING SHALL HAVE INCLUDED SEDIMENT CAPTURE BASED ON ACTUAL TOTAL MASS COLLECTED BY THE STORMWATER TREATMENT UNIT.
  -OR -
  THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH D50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION PER CURRENT NJDEP/NJCAT HDS PROTOCOL.



SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09-02-25 | DRAWN: TSG | CHECKED: XXX | PROJECT # 5485128

DATE	DWN	CHK
10/17/2025	BW	
10/31/2025	LAH	

ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS

AS NOTED

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO OUR CONSTRUCTION LAYER THE DIRECTION OF THE PROJECT'S ENGINEER OF RECORD. TO PUT CONSTRUCTION PLANS THAT WERE BASED ON THIS INFORMATION. THIS DRAWING IS NOT A CERTIFICATION BY THE ENGINEER OF RECORD THAT THE PRODUCTION SUPPLIED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS AND PROJECT REQUIREMENTS. PRIOR APPROVAL FOR SHALL REVIEW THE DRAWING PRIOR TO ISSUANCE AND/OR CONSTRUCTION. IF IN ALL CERTAIN RESPONSIBILITY OF THE DESIGN PROFESSIONAL OF RECORD. THIS DRAWING IS NOT TO BE USED FOR BIDDING PURPOSES UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD. ANY UNAUTHORIZED USE OF THIS DRAWING IS PROHIBITED.

9 SHEET OF 15

BrownsBurg Community School Corporation
Higher Achievement • Together

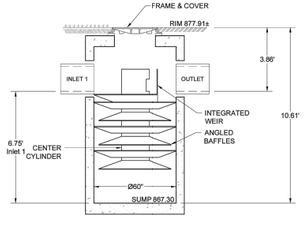
CSO
8831 Keystone Crossing, Indianapolis, IN 64240
317.848.7800 | csoinc.net
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NAVENTIAM DESIGN
5649 Lee Road, Suite 1
Indianapolis, IN 46216
Phone: (317) 598-6647
www.theveridusgroup.com

PROJECT:
2025 BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
95% CONSTRUCTION DOCUMENTS
1000 S ODELL ST, BROWNSBURG, IN 46112

ARCADIA AR5PC			STR-13
TREATMENT RATE (OK-110 80% REMOVAL)			4.30 CFS
BYPASS RATE			---
	DIAMETER	PIPE MATERIAL	INVERT
INLET 1	18"	HDPE	874.05
INLET 2			
INLET 3			
INLET 4			
OUTLET	18"	HDPE	874.05

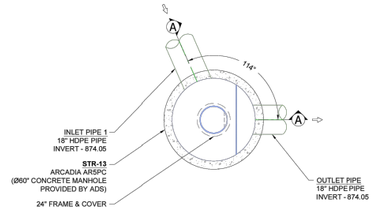
Required Treatment Rate = 2.76 cfs



PROFILE VIEW
NTS

PRODUCT SPECIFICATIONS

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  -OR -
  THE ARCADIA UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 50% OF TSS USING A MEDIA MIX WITH D50=75 MICRON AND 200 MG/L INFLUENT CONCENTRATION PER CURRENT NJDEP/NJCAT HDS PROTOCOL.



SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09-02-25 | DRAWN: TSG | CHECKED: XXX | PROJECT # 5485128

DATE	DWN	CHK
10/17/2025	BW	
10/31/2025	LAH	

ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS

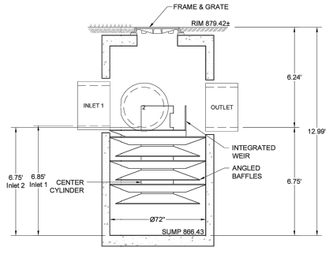
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10 SHEET OF 15

ARCADIA AR6PC			STR-21
TREATMENT RATE (OK-110 80% REMOVAL)			6.19 CFS
BYPASS RATE			---
	DIAMETER	PIPE MATERIAL	INVERT
INLET 1	30"	HDPE	873.28
INLET 2	30"	HDPE	873.18
INLET 3			
INLET 4			
OUTLET	30"	HDPE	873.18

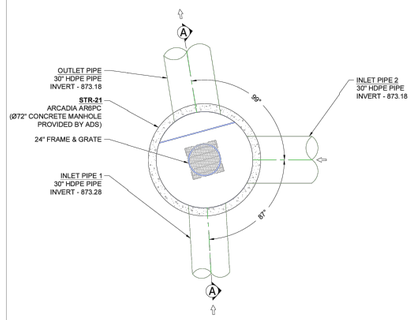
Required Treatment Rate = 5.31 cfs



PROFILE VIEW
NTS

PRODUCT SPECIFICATIONS

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SITE SPECIFIC PLAN VIEW
SCALE : 1/4"=1'

BROWNSBURG HIGH SCHOOL
EAST ATHLETICS
BROWNSBURG, IN
DATE: 09-02-25 | DRAWN: TSG | CHECKED: XXX | PROJECT # 5485128

DATE	DWN	CHK
10/17/2025	BW	
10/31/2025	LAH	

ARCADIA Stormwater Separator

4640 TRUEMAN BLVD
HILLIARD, OH 43026

ADS

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11 SHEET OF 15

SCOPE DRAWINGS:
These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems. The drawings do not necessarily indicate or describe all work required for full performance and completion of the construction. It is the intent of the contract documents to include in the general scope indicated or described, the trade contractors shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
11/10/2025	NCB	KAC

DRAWING TITLE:
UTILITY DETAILS

CERTIFIED BY:
KELLY ANN CAMPBELL
REGISTERED
No. 22400001
STATE OF
PROFESSIONAL ENGINEER
APPROVAL PENDING
11/10/2025

DRAWING NUMBER
C457

PROJECT NUMBER
2024.0150

PRINT DATE: 11/10/25
PLOT SCALE: 1:1 EDIT DATE: 11/10/25 - 2:07 PM EDITED BY: NBALENTINE DRAWING FILE: Z:\PROJECTS\2024\0150 - BROWNSBURG HS EAST OF ODELL\2. DESIGN\CAD\C450 UTILITY DETAILS.DWG

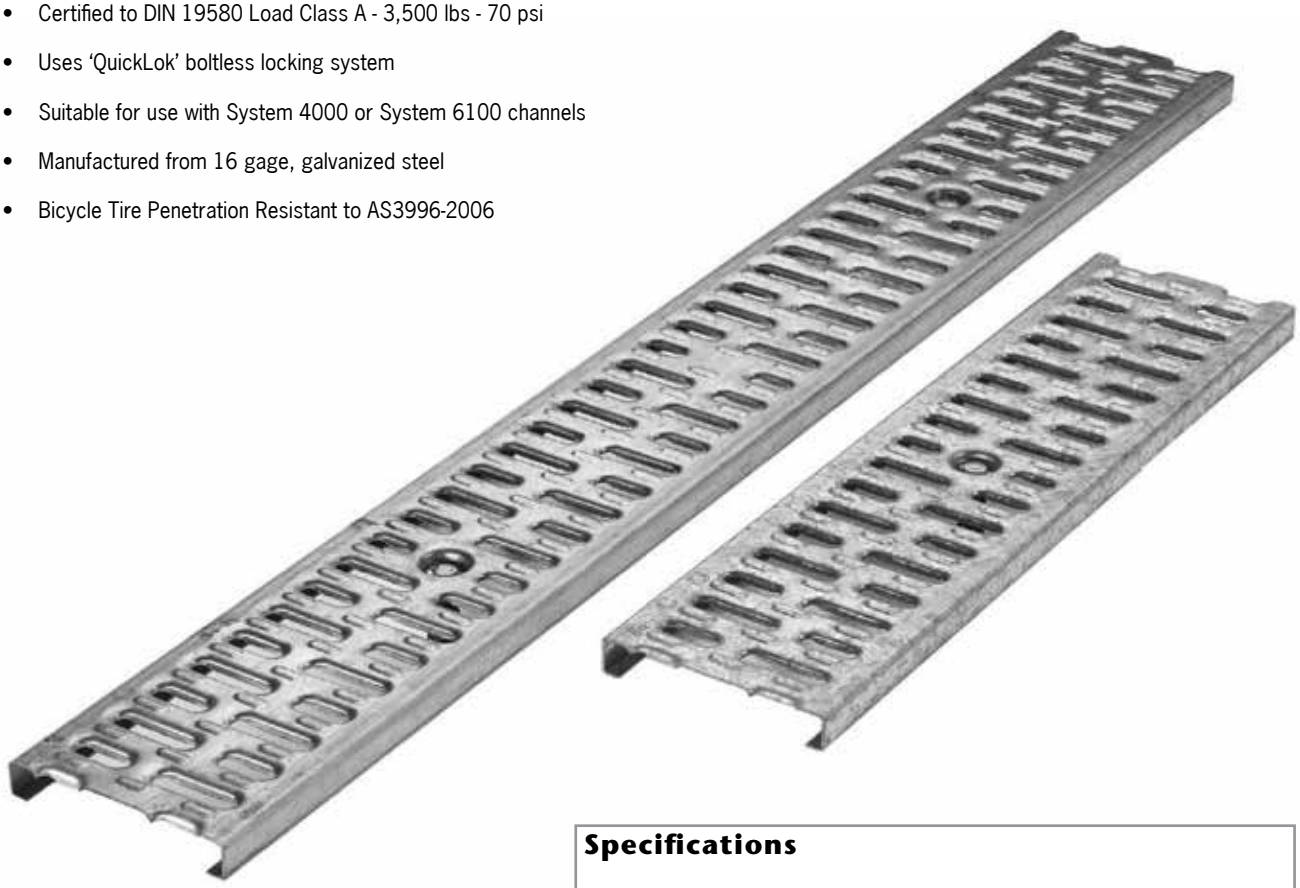
Slotted Steel Grate

ACO Specification Information

Slotted galvanized steel grate

Product Features

- Certified to DIN 19580 Load Class A - 3,500 lbs - 70 psi
- Uses 'QuickLok' boltless locking system
- Suitable for use with System 4000 or System 6100 channels
- Manufactured from 16 gage, galvanized steel
- Bicycle Tire Penetration Resistant to AS3996-2006



Specifications

General
The surface drainage system shall be ACO Sport System 4000 or System 6100 channels* complete with ACO slotted galvanized steel grate with 'QuickLok' locking as manufactured by ACO, Inc. or similar approved.

Materials
The covers shall be manufactured from galvanized steel and have minimum properties as follows:

- ***Independently certified to meet Load Class A to DIN 19580 - 3,500 lbs - 70 psi***
- ***16 gage galvanized steel***
- ***Intake area of 17.6 sq. in. (113.5 cm²) per half meter of grate***

The overall width of 4.84" (123mm) and overall length of 39.37" (1000mm) and 19.69" (500mm). Slots measure 1.75" (45mm) by 0.38" (10mm) and 1.17" (30mm) by 0.38" (10mm).

Installation
The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

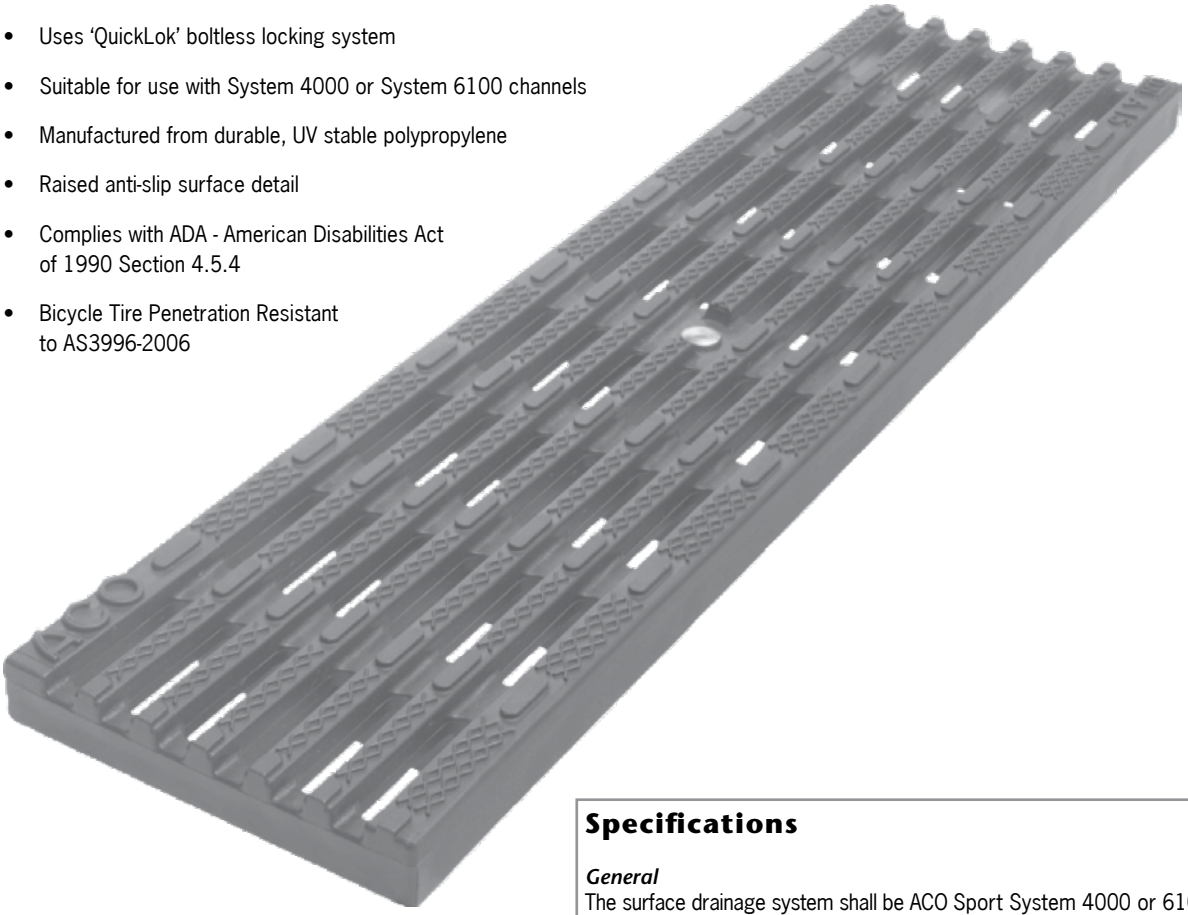
* delete as appropriate

ADA Plastic

ADA black plastic

Product Features

- Certified to DIN 19580 Load Class A - 3,500 lbs - 70 psi
- Uses 'QuickLok' boltless locking system
- Suitable for use with System 4000 or System 6100 channels
- Manufactured from durable, UV stable polypropylene
- Raised anti-slip surface detail
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Bicycle Tire Penetration Resistant to AS3996-2006



Specifications

General
The surface drainage system shall be ACO Sport System 4000 or 6100 channels* complete with ACO ADA plastic grate with 'QuickLok' locking as manufactured by ACO, Inc. or similar approved.

Materials
The covers shall be manufactured from polypropylene and have ***minimum*** properties as follows:

- ***Independently certified to meet Load Class A to DIN 19580 - 3,500 lbs - 70 psi***
- ***UV stable polypropylene***
- ***Intake area of 27.4 sq. in. (176.8 cm²) per half meter of grate***

The overall width of 4.84" (123mm) and overall length of 19.69" (500mm). Slots measure 0.33" (8mm) by 1.74" (44mm).

Installation
The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

* delete as appropriate

ACO Specification Information

Appendix C –

Inspection and Maintenance Forms

Inspection and Maintenance Forms for Owners
Brownsburg Community School Corporation
Brownsburg HS East Athletics, 1005 S Odell St, Brownsburg, IN

Site and Owner Information

Site Name: Brownsburg HS East Athletics Project

Change in ownership since last inspection: Y N

Owner Name: Brownsburg Community School Corporation

Owner Address: 310 South Stadium Dr, Brownsburg, IN 46112

Owner Phone Number: 317-852-5726

Location: Northeast corner of S Odell St and Sycamore St, Brownsburg, IN 46112

Date: _____

Time: _____

Inspector Name: _____

Maintenance Item	Satisfactory? Y / N	Comments
1. Access Routes (Roadways and sidewalks) *Inspect minimum every year (annual)*		
Routes in good condition		
Routes free of debris		
2A. Drainage Inlets and Manholes *Inspect minimum every 6 months (bi-annual) Unless otherwise specified by manufacturer*		
Inlet grate in place and free of excess debris		
Outlet/Inlet pipe end sections free of debris and sediment		
Inlet & Manhole structures free of debris and sediment		
No signs of erosion at storm structures		

2B. Drainage Inlets and Manholes: Hooded Structures *Inspect minimum every 6 months (bi-annual)* *Unless otherwise specified by manufacturer*		
Inlet grate in place and free of excess debris		
Outlet/Inlet pipe end sections free of debris and sediment		
Inlet & Manhole structures free of debris and sediment		
If sediment depth is greater than half of sump depth or 18″, then vacuum sediments		
No signs of erosion at storm structures		
2C. Drainage Inlets and Manholes: Trench Drains *Inspect minimum every 6 months (bi-annual)* *Unless otherwise specified by manufacturer*		
Outlet/Inlet pipe sections free of debris and sediment		
Storm sewer pipe at structures free of debris and sediment		
If sediment in pipe is greater than ¼ the pipe height, clear sediment from pipe		
No signs of erosion at storm structures		
3. Pipes *Inspect as needed, minimum annually*		
Outlet/Inlet pipe end sections free of debris and sediment		
Storm sewer pipe at structures free of debris and sediment		
If sediment in pipe is greater than ¼ the pipe height, clear sediment from pipe		

4. Detention System: North Underground Detention Basin		
Inlet Control Structure		
Condition of Inlet Structure		
Leaks or seeps Location Describe		
Monitor sediment accumulations and remove when sediments reach lower orifice *As needed, possibly every 5 years*		
Access		
Inlet clear of debris and functioning		
Outlet Control Structure: Incl. Riser and Principal Spillway/Casting (Inspect monthly)		
Riser free of excessive sediment buildup		
Pipe condition Cracks or displacement Spalling		
Other (describe)		
Chambers and Isolator Row *(See additional information in Isolator Row O&M Manual, Appendix B)*		
Monitor sediment accumulations and verify buildup does not exceed 3”		
If sediment is greater than 3” clean with JetVac		

5. Detention System: South Underground Detention Basin		
Inlet Control Structure		
Condition of Inlet Structure		
Leaks or seeps Location Describe		
Monitor sediment accumulations and remove when sediments reach lower orifice *As needed, possibly every 5 years*		
Access		
Inlet clear of debris and functioning		
Outlet Control Structure: Incl. Riser and Principal Spillway/Casting (Inspect monthly)		
Riser free of excessive sediment buildup		
Pipe condition Cracks or displacement Spalling		
Other (describe)		
Chambers and Isolator Row *(See additional information in Isolator Row O&M Manual, Appendix B)*		
Monitor sediment accumulations and verify buildup does not exceed 3”		
If sediment is greater than 3” clean with JetVac		

6. Structure # – Arcadia (1 – AR4PC, 4 – AR5PC, 1 – AR6PC)		
Inlet clear of debris and functioning		
Outlet clear of debris and functioning		
Floatables Y or N		
Sediment depth		
See additional information in Aqua-Swirl XCelerator Stormwater Treatment System Inspection and Maintenance Manual		

Appendix D –

Water Quality/ BMP Manuals

Arcadia™
Maintenance Guide

One of Arcadia's advantages is the ease of maintenance. Like any system that collects pollutants, the Arcadia hydrodynamic separator must be regularly maintained for continued effectiveness. Maintenance is a simple procedure performed using a vacuum truck or similar equipment. The system is designed to minimize the volume of water lost during routine maintenance, reducing disposal costs.

Contractors can access the pollutants stored in the manhole through the manhole cover. This allows them to gain vacuum hose access to the bottom of the manhole to remove sediment and trash. There is no confined space entry necessary for inspection or maintenance.

The entire maintenance procedure typically takes 2 to 4 hours, depending on the system's size, the amount of captured material, and the vacuum truck's capacity.

Local regulations may apply to the maintenance procedure. Safe and legal disposal of pollutants is the responsibility of the maintenance contractor. Maintenance should be performed only by a qualified contractor.

Inspection and Cleaning Cycle

Periodic inspection is necessary to determine the need for and frequency of maintenance. Inspections should begin as soon as construction is complete and then on an annual basis ongoing. Under normal use, the system will need to be cleaned every 1-3 years.

Sites that have excessive oil, fuel or sediment runoff may shorten the maintenance cycle. Periodic inspection is important.

Determining When to Clean

To determine the sediment depth, the maintenance contractor should lower a stadia rod into the manhole until it reaches the top of the captured sediment. Mark this spot on the rod, then continue pushing the rod through the sediment until it reaches the bottom of the sump. Next, mark the second spot on the rod then compare the two markings to determine the depth of the captured sediment.

Maintenance should occur when the sediment has reached a depth of 18" (450 mm).

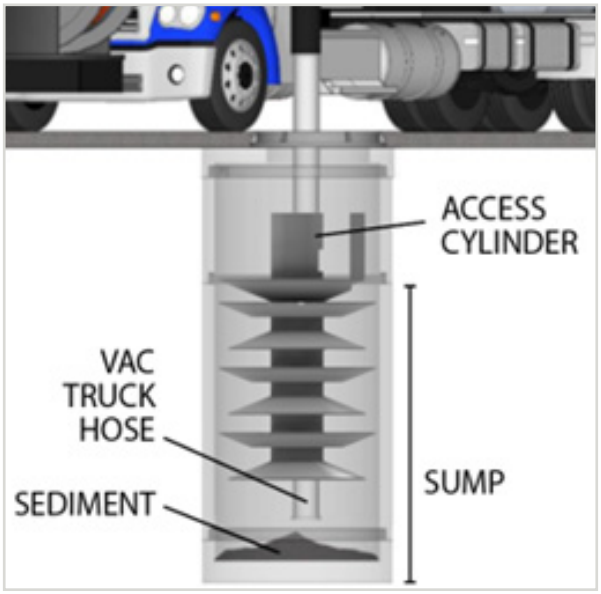
Arcadia Storage Capacities

Model	Manhole Diameter in (mm)	Total System Volume Gallons (Liters)	Treatment Chamber Capacity Gallons (Liters)	Standard Sediment Capacity (18" depth) Yards³ (m³)	NJDEP Sediment Capacity (50% of Standard Depth) Yards³ (m³)
AR3	36 (914)	242 (917)	203 (767)	0.39 (0.30)	0.19 (0.15)
AR4	48 (1219)	635 (2402)	564 (2135)	0.70 (0.53)	0.35 (0.27)
AR5	60 (1524)	991 (3753)	881 (3336)	1.09 (0.83)	0.55 (0.42)
AR6	72 (1829)	1428 (5404)	1269 (4804)	1.57 (1.20)	0.79 (0.60)
AR8	96 (2438)	4136 (15656)	3854 (14588)	2.79 (2.14)	1.40 (1.07)
AR10	120 (3048)	7931 (30022)	7490 (28354)	4.36 (3.34)	2.18 (1.67)

Maintenance Procedures

1. Remove the manhole cover to provide access to the pollutant storage. Pollutants are stored in the sump, below the unit assembly. Access this area through the access cylinder (larger than 10" (254 mm) diameter for all sizes).
2. Use a vacuum truck or other similar equipment to remove all water, debris, oil and sediment. See Figure 1.
3. Use a high pressure hose to clean the manhole of all remaining sediment and debris. Then, use the vacuum truck to remove the water.
4. Fill the clean manhole with water until the level reaches the invert of the outlet pipe.
5. Replace the manhole cover.
6. Dispose of the polluted water, oil, sediment and trash at an approved facility.
    a. Local regulations prohibit the discharge of solid material into the sanitary system. Check with the local sewer authority for authorization to discharge the liquid.
    b. Some localities treat the pollutants as leachate. Check with local regulators about disposal requirements.
    c. Additional local regulations may apply to the maintenance procedure.

Figure 1



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Isolator® Row
O&M Manual



The Isolator® Row

Introduction

An important component of any Stormwater Pollution Prevention Plan is inspection and maintenance. The StormTech Isolator Row is a technique to inexpensively enhance Total Suspended Solids (TSS) and Total Phosphorus (TP) removal with easy access for inspection and maintenance.

The Isolator Row

The Isolator Row is a row of StormTech chambers, either SC-160, SC-310, SC-310-3, SC-740, DC-780, MC-3500 or MC-7200 models, that is surrounded with filter fabric and connected to a closely located manhole for easy access. The fabric-wrapped chambers provide for sediment settling and filtration as stormwater rises in the Isolator Row and passes through the filter fabric. The open bottom chambers and perforated sidewalls (SC-310, SC- 310-3 and SC-740 models) allow stormwater to flow both vertically and horizontally out of the chambers. Sediments are captured in the Isolator Row protecting the adjacent stone and chambers storage areas from sediment accumulation.

ADS geotextile fabric is placed between the stone and the Isolator Row chambers. The woven geotextile provides a media for stormwater filtration, a durable surface for maintenance, prevents scour of the underlying stone and remains intact during high pressure jetting. A non-woven fabric is placed over the chambers to provide a filter media for flows passing through the chamber's sidewall. The non-woven fabric is not required over the SC-160, DC-780, MC-3500 or MC-7200 models as these chambers do not have perforated side walls.

The Isolator Row is designed to capture the "first flush" runoff and offers the versatility to be sized on a volume basis or a flow-rate basis. An upstream manhole provides access to the Isolator Row and includes a high/low concept such that stormwater flow rates or volumes that exceed the capacity of the Isolator Row bypass through a manifold to the other chambers. This is achieved with an elevated bypass manifold or a high-flow weir. This creates a differential between the Isolator Row row of chambers and the manifold to the rest of the system, thus allowing for settlement time in the Isolator Row. After Stormwater flows through the Isolator Row and into the rest of the chamber system it is either exfiltrated into the soils below or passed at a controlled rate through an outlet manifold and outlet control structure.

The Isolator Row may be part of a treatment train system. The treatment train design and pretreatment device selection by the design engineer is often driven by regulatory requirements. Whether pretreatment is used or not, StormTech recommend using the Isolator Row to minimize maintenance requirements and maintenance costs.

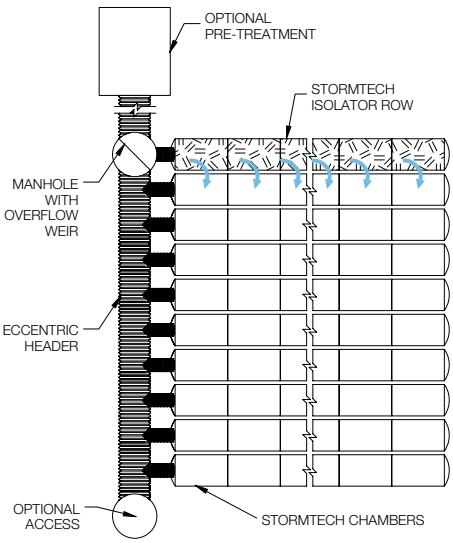
Note: *See the StormTech Design Manual for detailed information on designing inlets for a StormTech system, including the Isolator Row.*



Looking down the Isolator Row from the manhole opening, woven geotextile Fabric is shown between the chamber and stone base.



StormTech Isolator Row with Overflow Spillway (*not to scale*)



Isolator Row Inspection/Maintenance

Inspection

The frequency of inspection and maintenance varies by location. A routine inspection schedule needs to be established for each individual location based upon site specific variables. The type of land use (i.e. industrial, commercial, residential), anticipated pollutant load, percent imperviousness, climate, etc. all play a critical role in determining the **actual frequency of inspection and maintenance practices.**

At a minimum, StormTech recommends annual inspections. Initially, the Isolator Row should be inspected every 6 months for the first year of operation. For subsequent years, the inspection should be adjusted based upon previous observation of sediment deposition.

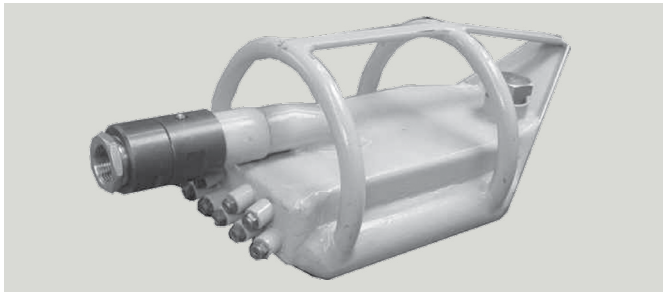
The Isolator Row incorporates a combination of standard manhole(s) and strategically located inspection ports (as needed). The inspection ports allow for easy access to the system from the surface, eliminating the need to perform a confined space entry for inspection purposes.

If upon visual inspection it is found that sediment has accumulated, a stadia rod should be inserted to determine the depth of sediment. When the average depth of sediment exceeds 3 inches throughout the length of the Isolator Row, clean-out should be performed.

Maintenance

The Isolator Row was designed to reduce the cost of periodic maintenance. By “isolating” sediments to just one row, costs are dramatically reduced by eliminating the need to clean out each row of the entire storage bed. If inspection indicates the potential need for maintenance, access is provided via a manhole(s) located on the end(s) of the row for cleanout. If entry into the manhole is required, please follow local and OSHA rules for a confined space entries.

Maintenance is accomplished with the JetVac process. The JetVac process utilizes a high pressure water nozzle to propel itself down the Isolator Row while scouring and suspending sediments. As the nozzle is retrieved, the captured pollutants are flushed back into the manhole for vacuuming. Most sewer and pipe maintenance companies have vacuum/JetVac combination vehicles. Selection of an appropriate JetVac nozzle will improve maintenance efficiency. Fixed nozzles designed for culverts or large diameter pipe cleaning are preferable. Rear facing jets with an effective spread of at least 45” are best. JetVac reels can vary in length. For ease of maintenance, ADS recommends Isolator Row lengths up to 200" (61 m). **The JetVac process shall only be performed on StormTech Isolator Rows that have AASHTO class 1 woven geotextile (as specified by StormTech) over their angular base stone.**

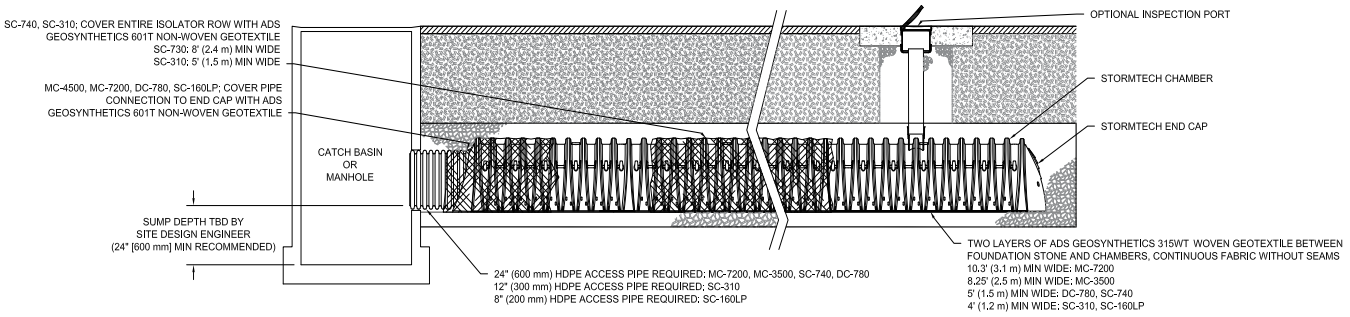






StormTech Isolator Row (not to scale)

Note: *Non-woven fabric is only required over the inlet pipe connection into the end cap for SC-160LP, DC-780, MC-3500 and MC-7200 chamber models and is not required over the entire Isolator Row.*



Isolator Row Step By Step Maintenance Procedures

Step 1

Inspect Isolator Row for sediment.

A) Inspection ports (if present)
   i. Remove lid from floor box frame
   ii. Remove cap from inspection riser
   iii. Using a flashlight and stadia rod,measure depth of sediment and record results on maintenance log.
   iv. If sediment is at or above 3 inch depth, proceed to Step 2. If not, proceed to Step 3.

B) All Isolator Row
   i. Remove cover from manhole at upstream end of Isolator Row
   ii. Using a flashlight, inspect down Isolator Row through outlet pipe
      1. Mirrors on poles or cameras may be used to avoid a confined space entry
      2. Follow OSHA regulations for confined space entry if entering manhole
   iii. If sediment is at or above the lower row of sidewall holes (approximately 3 inches), proceed to Step 2. If not, proceed to Step 3.

Step 2

Clean out Isolator Row using the JetVac process.

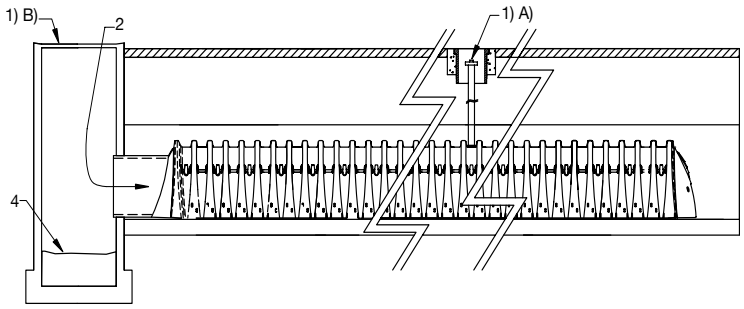
A) A fixed floor cleaning nozzle with rear facing nozzle spread of 45 inches or more is preferable
B) Apply multiple passes of JetVac until backflush water is clean
C) Vacuum manhole sump as required

Step 3

Replace all caps, lids and covers, record observations and actions.

Step 4

Inspect & clean catch basins and manholes upstream of the StormTech system.



Sample Maintenance Log

Date	Stadia Rod Readings		Sedi-ment Depth (1)–(2)	Observations/Actions	Inspector
	Fixed point to chamber bottom (1)	Fixed point to top of sediment (2)			
3/15/11	6.3 ft	none		New installation. Fixed point is CI frame at grade	DJM
9/24/11		6.2	0.1 ft	Some grit felt	SM
6/20/13		5.8	0.5 ft	Mucky feel, debris visible in manhole and in Isolator Row, maintenance due	NV
7/7/13	6.3 ft		0	System jetted and vacuumed	DJM

ADS "Terms and Conditions of Sale" are available on the ADS website, www.ads-pipe.com
The ADS logo and the Green Stripe are registered trademarks of Advanced Drainage Systems, Inc.
Stormtech® and the Isolator® Row are registered trademarks of StormTech, Inc.
© 2022 Advanced Drainage Systems, Inc. #11011 2/22 CS

adspipe.com
800-821-6710

TOWN OF Brownsburg

AFFIDAVIT & CONSENT OF PROPERTY OWNER

That I/We RRLP-A Properties, LLC after first being duly sworn, depose and say:

That I am/we are the owner(s) of Real Estate located at: (Legal and/or common address)
9290 Corrugated Ave, Brownsburg, IN 46123

Parcel Number(s): 32-08-07-305-002.000-016

That we have examined the application for a/an Plat Vacation on this property, and I/we are familiar with its contents. (application type)

That I/we have no objections to, and consent to such request as set forth in the application.

Signature of Affiant

Marc Pfleging, Manager
Printed Name

State of Indiana)
) SS:
County of Marion)

BEFORE ME, the undersigned, a Notary Public in and for said County and State, personally appeared Marc Pfleging, who acknowledged the execution of the above and foregoing instrument to its voluntary act and deed on the 7th day of October, 2025.

5/20/33
Commission Expiration Date

Julie G. Troha
Notary

Hamilton
County of Residence

Julie G. Troha
Printed Name

JULIE G. TROHA
Notary Public - Seal
Hamilton County - State of Indiana
Commission Number NP0699028
My Commission Expires May 20, 2033

TOWN OF Brownsburg

AFFIDAVIT & CONSENT OF PROPERTY OWNER

That I/We Scannell Properties #649, LLC after first being duly sworn, depose and say:

That I am/we are the owner(s) of Real Estate located at: (Legal and/or common address)
9145 Motorsports Way, Brownsburg, IN 46123

Parcel Number(s): 32-08-07-305-001.000-016

That we have examined the application for a/an Plat Vacation on this property, and I/we are familiar with its contents. (application type)

That I/we have no objections to, and consent to such request as set forth in the application.

Signature of Affiant

Marc Pfleging, Manager
Printed Name

State of Indiana)
) SS:
County of Marion)

BEFORE ME, the undersigned, a Notary Public in and for said County and State, personally appeared Marc Pfleging, who acknowledged the execution of the above and foregoing instrument to its voluntary act and deed on the 7th day of October, 2025.

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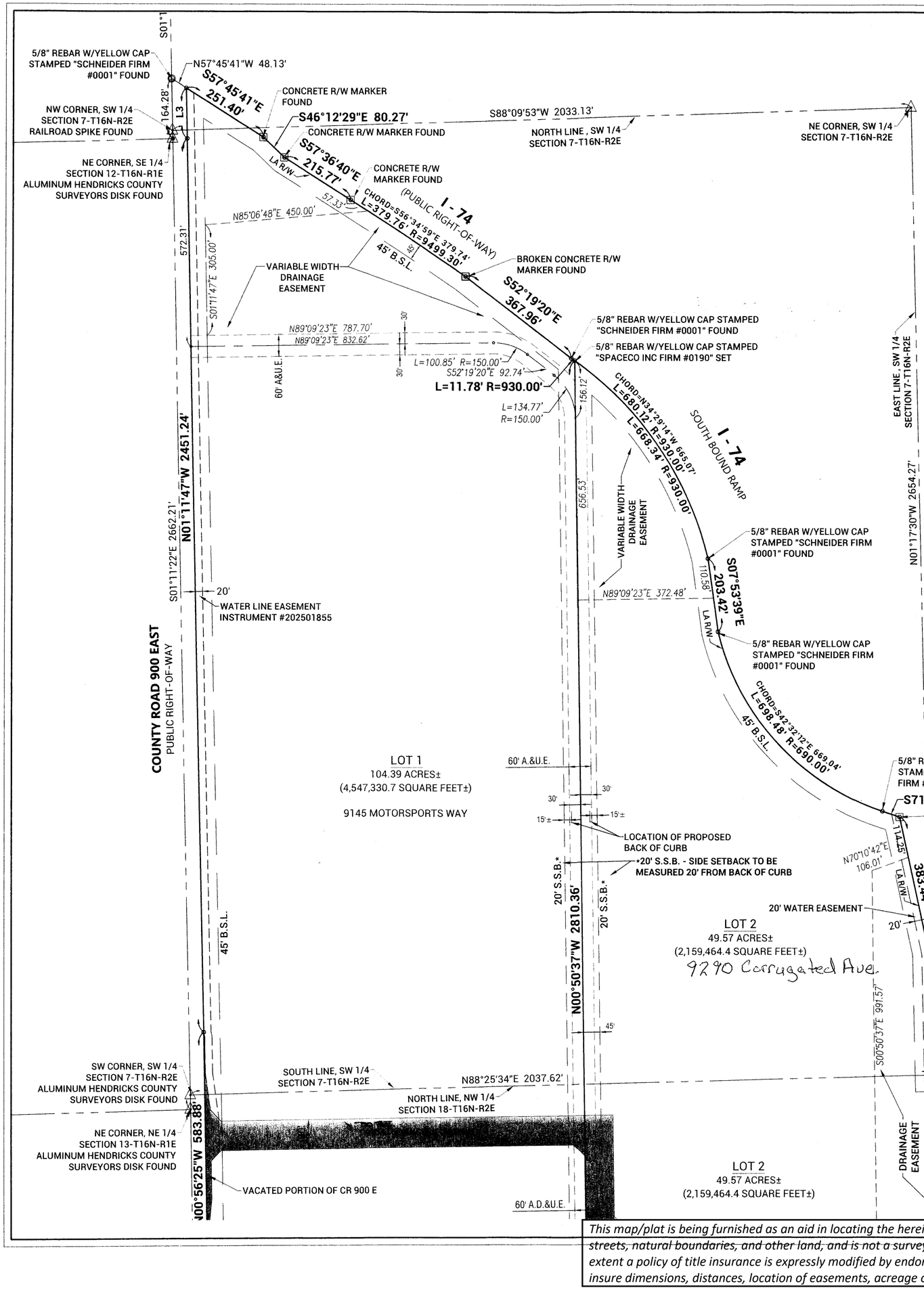
Julie G. Troha
Notary

Julie G. Troha
Printed Name

JULIE G. TROHA
Notary Public - Seal
Hamilton County - State of Indiana
Commission Number NP0699028
My Commission Expires May 20, 2033

REPLAT OF LOTS 1-4
in FINAL PLAT OF LOTS 1-4, BLOCKS A & B
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II
& REPLAT OF BLOCK A
in REPLAT OF BLOCK A
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II

PART OF WEST HALF OF SECTION 7 AND THE NORTHWEST QUARTER AND EAST HALF OF SECTION 18, TOWNSHIP 16 NORTH RANGE 2 EAST, OF THE SECOND PRINCIPAL MERIDIAN, LINCOLN TOWNSHIP, HENDRICKS COUNTY, TOWN OF BROWNSBURG, INDIANA



GRID NORTH
SCALE 1" = 200'
0 200 400

LEGEND

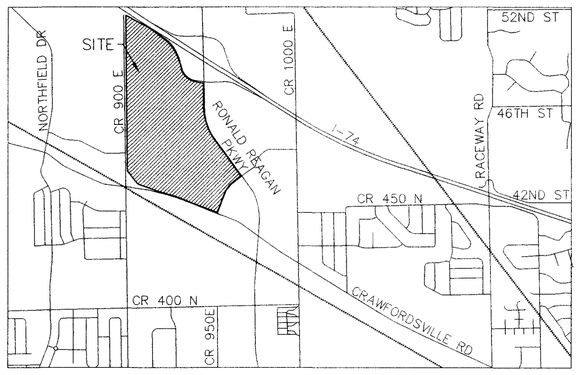
A. & U.E.	ACCESS & UTILITY EASEMENT
A.D.& U.E.	ACCESS DRAINAGE & UTILITY EASEMENT
A.E.	ACCESS EASEMENT
R/W	RIGHT-OF-WAY
LA R/W	LIMITED ACCESS RIGHT-OF-WAY
B.S.L.	BUILDING SETBACK LINE
S.S.B.	SIDE SETBACK LINE
D.&U.E.	DRAINAGE AND UTILITY EASEMENT
D.E.	DRAINAGE EASEMENT
V.W.D.E.	VARIABLE WIDTH DRAINAGE EASEMENT
N.A.E.	NO ACCESS EASEMENT
S.E.	SANITARY EASEMENT
U.E.	UTILITY EASEMENT
W.E.	WATER EASEMENT
	NO ACCESS EASEMENT
	VISION CLEARANCE TRIANGLE

○ - 5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET FLUSH WHERE NOTED; MONUMENTS SHOWN AT THE PERIMETER CORNERS AS SHOWN PER THE PRIOR PLATS

20251616 PLAT
09/09/2025 09:43:23A $35.00
3 PGS
LAURA HERZOG
Hendricks County Recorder IN
Recorded as Presented

PC9/89/3ABC

AREA MAP
NOT TO SCALE



DULY ENTERED FOR TAXATION
SEP 03 2025
Ann Stark
AUDITOR HENDRICKS COUNTY

OWNER/SUBDIVIDER
RRLP-A Properties, LLC
c/o Scannell Properties, LLC
8801 River Crossing Blvd, Suite 300
Indianapolis, IN 46240
317.843.5959

SOURCE OF TITLE
Instrument #202215050

SURVEYOR
Tania M. Strug
Professional Surveyor #LS20400014
Spaceco Inc.
3850 Priority Way South Drive, Suite 110
Indianapolis, IN 46240
(317) 779-2194
tstrug@spacecoinc.com TMS

Project No. 11609.02

THIS PLAT HAS BEEN REVIEWED AND IS HEREBY RELEASED FOR RECORDING
DATE: 9/3/25
HENDRICKS COUNTY ENGINEER

Spaceco
Civil Engineering & Surveying

SHEET 1 OF 3

This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries, and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.

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REPLAT OF LOTS 1-4
in FINAL PLAT OF LOTS 1-4, BLOCKS A & B RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II & REPLAT OF BLOCK A in REPLAT OF BLOCK A RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II

PART OF WEST HALF OF SECTION 7 AND THE NORTHWEST QUARTER AND EAST HALF OF SECTION 18, TOWNSHIP 16 NORTH RANGE 2 EAST, OF THE SECOND PRINCIPAL MERIDIAN, LINCOLN TOWNSHIP, HENDRICKS COUNTY, TOWN OF BROWNSBURG, INDIANA

LINE TABLE		
LINE #	BEARING	DISTANCE
L1	S27° 44' 28"W	37.51'
L2	N58° 33' 23"E	42.61'
L3	N01° 11' 13"W	137.76'

CURVE TABLE				
CURVE #	LENGTH	RADIUS	CHORD BEARING	CHORD DISTANCE
C1	18.72'	260.00'	S87° 05' 39"W	18.71'
C2	374.35'	6421.40'	N78° 29' 33"W	374.30'
C3	164.52'	749.79'	N76° 15' 11"W	164.19'
C4	59.89'	88.52'	N50° 35' 11"W	58.75'
C5	75.25'	131.22'	N40° 13' 53"W	74.22'
C6	118.41'	178.55'	N33° 18' 07"W	116.25'
C7	78.06'	255.87'	N08° 45' 11"W	77.76'
C8	141.15'	340.00'	S77° 15' 47"W	140.14'

SW CORNER, SW 1/4 SECTION 7-T16N-R2E ALUMINUM HENDRICKS COUNTY SURVEYORS DISK FOUND

NE CORNER, NE 1/4 SECTION 13-T16N-R1E ALUMINUM HENDRICKS COUNTY SURVEYORS DISK FOUND

SOUTH LINE, SW 1/4 SECTION 7-T16N-R2E

NORTH LINE, NW 1/4 SECTION 18-T16N-R2E

N88°25'34"E 2037.62'

N88°25'34"E 51.41'

CONCRETE R/W MARKER FOUND

N00°56'25"W 583.88'

VACATED PORTION OF CR 900 E

60' A.D.&U.E.

45' B.S.L.

20' S.S.B.

LOT 1
104.39 ACRES±
(4,547,330.7 SQUARE FEET±)

9145 MOTORSPORTS WAY

LOT 2
49.57 ACRES±
(2,159,464.4 SQUARE FEET±)

9290 Corrugated Ave

DRAINAGE EASEMENT

LA R/W 45' B.S.L.

CHORD=S13°36'36"E 488.35'
L=490.26' R=1600.00'

20' WATER EASEMENT

5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET

L=240.17'
R=655.00'

20' B.S.L.

S58°28'56"W 311.85'

S68°08'52"W 80.00'

VACATED PORTION OF DIVERSIFIED AVENUE

REBAR SET

L=147.53' R=715.00'
CHORD=S27°45'47"E 147.27'

REBAR SET

S33°40'27"E 243.15'

BLOCK B
INST. #202224348

RONALD REAGAN PARKWAY (PUBLIC RIGHT-OF-WAY)

CORRUGATED AVE. PUBLIC RIGHT-OF-WAY

L=39.64' R=150.00'
CHORD=S08°24'54"E 39.53'
S15°59'11"E 105.59'
L=39.64' R=150.00'
CHORD=S08°24'54"E 39.53'
S89°09'23"W 40.00'

S89°09'23"W 40.00'
N00°50'37"W 7.68'
N45°50'37"W 42.43'

S00°50'36"E 2651.62'
N00°50'37"W 1218.38'

80.00'

45' B.S.L.

S89°09'23"W 839.75'

GENERATIONS ST.
PUBLIC RIGHT-OF-WAY

C1 L1

S89°09'23"W 839.75'

C8

50' B.S.L.

S44°09'23"W 42.43'
S00°50'37"E 118.49'

S00°50'37"E 266.17'

N89°09'23"E 25.78'
L=235.62'
R=150.00'

S00°50'37"E 148.71'

40' A.D.&U.E.

S89°05'29"W 441.79'

S00°50'37"E 91.71'
L=67.23'
R=176.50'
S20°58'48"W 119.92'

L=178.49'
R=150.00'

VARIABLE WIDTH DRAINAGE EASEMENT

L=303.04'
R=1415.00'

45' B.S.L.

L=373.18' R=1460.00'

DIVERSIFIED ST.
PUBLIC RIGHT-OF-WAY

L=393.63' R=1540.00'

50' B.S.L.

COUNTY ROAD 900 EAST
PUBLIC RIGHT-OF-WAY

S89°09'23"W 15.85'

C7 C6 C5 C4 C3 C2

45' B.S.L.

MOTORSPORTS WAY
PRIVATE STREET

S69°01'12"E 733.27'
S69°01'12"E 450.61'

100' N.A.E.

142.15'

VARIABLE WIDTH DRAINAGE EASEMENT

N27°55'31"W 66.23'

N73°14'47"W 104.52'

45' B.S.L. 100' N.A.E.

240.98'

40' A.D.&U.E.

100' N.A.E.

311.93'

S13°48'04"W 479.91'

S13°48'04"W 178.06'

100' N.A.E.

25' S.S.B.

CORRUGATED AVE.
PRIVATE STREET
40' ACCESS EASEMENT
INST. #202414271

40'

S69°01'12"E 1151.90'

20' S.E.

40' A.D.&U.E.

EAST LINE, NW 1/4 SECTION 18-T16N-R2E

N01°00'41"W 2672.92'

40' A.D.&U.E.
20' S.E.

25' S.S.B.

N33°40'27"W 523.50'

CORRUGATED AVE.
PRIVATE STREET
40' ACCESS EASEMENT
INST. #202414271

L=286.63' R=300.50'
CHORD=N06°20'54"W 275.89'

40' A.D.&U.E.

N20°54'28"E 397.22'

20' S.E.

25' S.S.B.

LOT 6
REPLAT OF BLOCK A
INST. #202413676

BLOCK A
28.17 ACRES±
(1,227,197.5 SQUARE FEET±)

BLOCK C
REPLAT OF BLOCK A
INST. #202413676

BLOCK D
REPLAT OF BLOCK A
INST. #202413676

L=236.42' R=150.50'
CHORD=N65°58'39"E 212.85'

CRAWFORDSVILLE RD (US HWY 136)
PUBLIC RIGHT-OF-WAY

LACY KNOT DR
PUBLIC RIGHT-OF-WAY

STATE OF INDIANA
INSTRUMENT #202413742

55'

40'

S88°38'26"W 2045.21'

SW CORNER, NW 1/4 SECTION 18-T16N-R2E CALCULATED LOCATION

SE CORNER, NE 1/4 SECTION 13-T16N-R1E CALCULATED LOCATION

SE CORNER, NE 1/4 SECTION 18-T16N-R2E CALCULATED LOCATION

N

GRID NORTH

SCALE 1" = 200'

0 200 400

LEGEND

A. & U.E.	ACCESS & UTILITY EASEMENT
A.D.& U.E.	ACCESS DRAINAGE & UTILITY EASEMENT
A.E.	ACCESS EASEMENT
R/W	RIGHT-OF-WAY
LA R/W	LIMITED ACCESS RIGHT-OF-WAY
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V.W.D.E.	VARIABLE WIDTH DRAINAGE EASEMENT
N.A.E.	NO ACCESS EASEMENT
S.E.	SANITARY EASEMENT
U.E.	UTILITY EASEMENT
W.E.	WATER EASEMENT
	NO ACCESS EASEMENT
	VISION CLEARANCE TRIANGLE

○ - 5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET FLUSH WHERE NOTED; MONUMENTS SHOWN AT THE PERIMETER CORNERS AS SHOWN PER THE PRIOR PLATS

OWNER/SUBDIVIDER
RRLP-A Properties, LLC
c/o Scannell Properties, LLC
8801 River Crossing Blvd, Suite 300
Indianapolis, IN 46240
317.843.5959

SOURCE OF TITLE
Instrument #202215050

SURVEYOR
Tania M. Strug
Professional Surveyor #LS20400014
Spaceco Inc.
3850 Priority Way South Drive, Suite 110
Indianapolis, IN 46240
(317) 779-2194 TMS
tstrug@spacecoinc.com

Spaceco Civil Engineering & Surveying

Project No. 11609.02

Spaceco
Civil Engineering & Surveying

REPLAT OF LOTS 1-4
in FINAL PLAT OF LOTS 1-4, BLOCKS A & B
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II
& REPLAT OF BLOCK A
in REPLAT OF BLOCK A
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II

PART OF WEST HALF OF SECTION 7 AND THE NORTHWEST QUARTER AND EAST HALF OF SECTION 18, TOWNSHIP 16 NORTH RANGE 2 EAST, OF THE SECOND PRINCIPAL MERIDIAN, LINCOLN TOWNSHIP, HENDRICKS COUNTY, TOWN OF BROWNSBURG, INDIANA

OWNER/SUBDIVIDER
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Spaceco Inc.
3850 Priority Way South Drive, Suite 110
Indianapolis, IN 46240
(317) 779-2194
tstrug@spacecoinc.com

Project No. 11609.02

LAND DESCRIPTION

Lots 1, 2, 3, 4, and portions of Corrugated Avenue, Diverisified Street and Missile Avenue as shown on the Final Plat of Lots 1-4, Blocks A & B, in Ronald Reagan Logistics Park @ I-74, Ph II as per plat thereof recorded as Instrument #202224348, in Plat Cabinet 9, Slide 14, Sheets 1ABC, in the Office of the Recorder, Hendricks County, Indiana.

ALSO, Block A as shown on the Replat of Block A, in Ronald Reagan Logistics Park @ I-74, Ph II as per plat thereof recorded as Instrument #202413676, in Plat Cabinet 9, Slide 60, Sheets 4ABC, in the Office of the Recorder, Hendricks County, Indiana.

SURVEYOR'S CERTIFICATE

I, the undersigned, hereby certify that I am the registered land surveyor, licensed in compliance with the laws of the State of Indiana, and that the within plat represents a subdivision of the land surveyed by Spaceco Inc., in accordance with Title 865, Article 1, Chapter 12 of the Indiana Administrative Code, with the previous plats being recorded as Instrument Number 202224348 and 202413676, in the Office of the Recorder, Hendricks County, Indiana. Said plats were based upon a prior survey of the site recorded as Instrument Number 201916505 in said Recorder's Office.

The subdivision consists of 2 lots (Lot 1-2) and one block (Block A), as shown hereon.

The size of lots and widths of streets are shown on the plat in figures denoting feet and decimal parts thereof.

Witness my signature this 25th day of August, 2025

Tania M. Strug
Professional Surveyor #LS20400014
August 12, 2025

TANIA M. STRUG REGISTERED No. LS20400014 STATE OF INDIANA LAND SURVEYOR

REDACTION STATEMENT

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law. Tania M. Strug TMStrug

VISION CLEARANCE STANDARDS

A. **Vision Clearance Triangle.** A vision clearance or sight triangle shall be maintained at every intersection of two (2) or more streets, intersection of a street and alley, and intersection of a street and driveway.

   1. Horizontal Area:
      a. *Streets*: The vision clearance triangle leg lengths shall be measured from the intersection of right-of-way lines (see "details" on sheets 1 and 2). If the right-of-way line curves, then each right-of-way line shall be extended to form a corner point to measure from. The distances for each leg of the vision clearance triangle shall be as follows:
         I. Speed Limit 30 MPH or Less: A triangle leg that parallels a street with a speed limit of 30 MPH or less shall be twenty-five (25) feet.
         II. Speed Limit 35 MPH to 40 MPH: A triangle leg that parallels a street with a speed limit of 35 MPH to 40 MPH shall be thirty-five (35) feet.
         III. Speed Limit 45 MPH or Greater: A triangle leg that parallels a street with a speed limit of 45 MPH or greater shall be forty-five (45) feet.
   2. Alleys and Driveways: The vision clearance triangle leg lengths shall be ten (10) feet as measured from the right-of-way line and the intersection of a driveway or alley. The edge of pavement shall be used for driveways and alleys.

B. **Vertical Area**. No primary or accessory structures, landscaping, fences, walls, or signs shall be permitted to be placed or to project into the vision clearance triangle between the heights of two (2) feet and nine (9) feet above the crown of the adjacent roadway.

C. **Exemptions:** Public street signs and utility poles shall be exempt from the vision clearance standards.

CERTIFICATE OF OWNERSHIP & DEDICATION:

We, the undersigned, as owners of the real estate hereon do hereby declare the real estate as described, shall be known as Replat of Lots 1-4 , in Final Plat of Lots 1-4, Blocks A & B, Ronald Reagan Logistics Park @ I-74 Phase II & Replat of Block A in Replat of Block A, Ronald Reagan Logistics Park @ I-74 Phase II.

Public Streets and Rights-of-Way
All public streets, alleys, sidewalks, street name and regulatory signs, and public rights-of-way shown and designated as such on this plat, and not heretofore dedicated, are hereby dedicated to the public for operation and maintenance. There are strips of ground of the width called for on the plat which are reserved and dedicated as easements to all adjoining property owners within the boundaries of the plat and additional parties as noted below for the following described purposes:

Utility Easements
Areas on this plat designated as 'Utility Easement' or abbreviated "UE" are reserved and dedicated to all public and private utilities for the non-exclusive right to enter upon, install, operate, maintain, repair, and replace lines, poles, ducts, valves, cabinets, pipes, pumping stations, and appurtenances for water, sanitary sewer, stormwater, gas, electric, cable, telecommunications facilities, and the like.

Drainage Easements
Areas on these plans designated as 'Drainage Easement' or abbreviated "DE" are hereby dedicated to the lot owner of Ronald Reagan Logistics Park @ I-74 Phase II for the purpose of installation, maintenance, repair and operation of surface and subsurface drainage infrastructure, swales, drainage basins, retention and detention ponds, and their appurtenances. All infrastructure shall be owned, operated and maintained by the record owner of said lot.

Private Street Easements
The developer of this real estate covenants and warrants on behalf of itself and all future owners of lots within this subdivision/development that because the streets are private, all maintenance, repairs, and replacement, now and forever, shall be undertaken at the expense of the lot owners (or unit owners) in accordance with the terms and conditions set forth in that certain Access and Drainage Easement Agreement, or that certain Declaration of Easements, Covenants, and Restrictions for Ronald Reagan Logistics Park @ I-74 Phase II, or the owners' association by-law and articles. No governmental entity has any duty or responsibility to maintain, repair, or replace any private street.

Cross-Access Easements
Areas on these plans designated as a 'Cross-Access Easement' or abbreviated "CAE" are established in favor of the adjoining property owner, and grant the public the right to enter the easement for purposes of accessing adjoining parking lots. These easements prohibit any person from parking vehicles within the easement, and prohibit the property owners or any other person from placing any obstruction within the easement. These easements are binding on all heirs, successors, and assigns to the property on which they are located. The grantee or the Town of Brownsburg may enforce the provisions of the easement. The easement shall only be modified or vacated in the manner stipulated in the Unified Development Ordinance, or its successor ordinance.

No Access Easements
Areas on these plans designated as a 'No-access Easement' or abbreviated as "NAE" are established to assure a driveway is not installed partially or fully in areas deemed to be unsafe due to their proximity to a street intersection, or at the terminus of a 'T' intersection. These easements prohibit any person from parking vehicles within the easement and prohibit the property owners or any other person from constructing a driveway across the easement. These easements are binding on all heirs, successors, and assigns to the property on which they are located. The grantee or the Town of Brownsburg may enforce the provisions of the easement. The easement shall only be modifed or vacated in the manner stipulated in the Unifed Development Ordinance, or its successor ordinance.

No structure, planting, or other material shall be placed or permitted to remain which may damage or interfere with the installation and maintenance of utilities, or which may obstruct the direction of the flow of water through drainage areas and swales situated in the easements, but such lot owners shall take their title subject to the right of the easement and the rights of the owners of the other lots in this subdivision. The easement area of each lot and all improvements in it shall be maintained continuously by the owner of the lot. Those improvements for which a public authority or utility company is responsible.

A petition addressed to the Hendricks County Drainage Board has been filed in duplicate with the county surveyor, requesting that the subdivisions storm drainage system and its easements be accepted into the county's regulated drainage system. The storm drainage system and its easements that are accepted in the county's regulated drainage system are delineated on the plat as regulated drainage easements (RDES). Regulated drainage easements are storm water easements and drainage rights of way that are hereby dedicated to the public and to the Hendricks County, Indiana, Drainage Board for the sole and exclusive purpose of controlling surface water and/or for the installation, operation, and maintenance of storm sewers and tile drains as defined in the Hendricks County Storm Water Management Ordinance. These drainage easements are established under authority of the Indiana Drainage Code and the said board may exercise powers and duties as provided in said code (e.g., annual drainage assessment per lot). All other storm drainage easements have not been accepted into the county's system. All drainage improvements performed relative to the conveyance of storm water runoff and the perpetual maintenance thereof, within the latter easements, shall be the responsibility of the owner or commercial subdivision owner association. The Hendricks County Drainage Board assumes no responsibility relative to said improvements or the maintenance thereof. This subdivision contains 0 linear feet to open ditches of subsurface drains that will be included in the county's "regulated drainage systems".

IN WITNESS WHEREOF, the undersigned, being duly authorized as the owner of the Real Estate, have hereunto executed these Plat Covenants and Restrictions as of the 27th day of August, 2025. of RRLP-A Properties LLC

Owner

Marc Pfleging, Manager
Printed Name

Before me, a notary public in and for said County and State, personally appeared the above and acknowledged the execution of this instrument as their voluntary act and deed for the uses and purpose therein expressed.

Witness my signature and notarial seal this 27th day of August, 2025

11/23/32
MY COMMISSION EXPIRES

Joy R. Jackson
SIGNATURE NOTARY PUBLIC

Hamilton
COUNTY OF RESIDENCE

Joy R. Jackson
PRINTED NAME

NOTARY PUBLIC SEAL STATE OF INDIANA
JOY R. JACKSON
Commission Number: 691848
My Commission Expires
11/23/2032

PLAN COMMISSION'S CERTIFICATE

We, the undersigned, do hereby certify that under authority provided by Indiana Code (I.C.) 36-7-4, et. seq., and all acts amendatory thereto, the Plat depicted herein is the plat which was given primary approval by the Town of Brownsburg Advisory Plan Commission at a meeting held on the 25 day of August, 2025. We further certify that this plat complies with the Unified Development Ordinance of the Town of Brownsburg, Indiana as of the Date set forth below.

Given under our hands and seal this 25 day of August, 2025.

Brett Scowden, President

Steve Fletcher, Administrator

File Cross Reference: PCPP-22-5

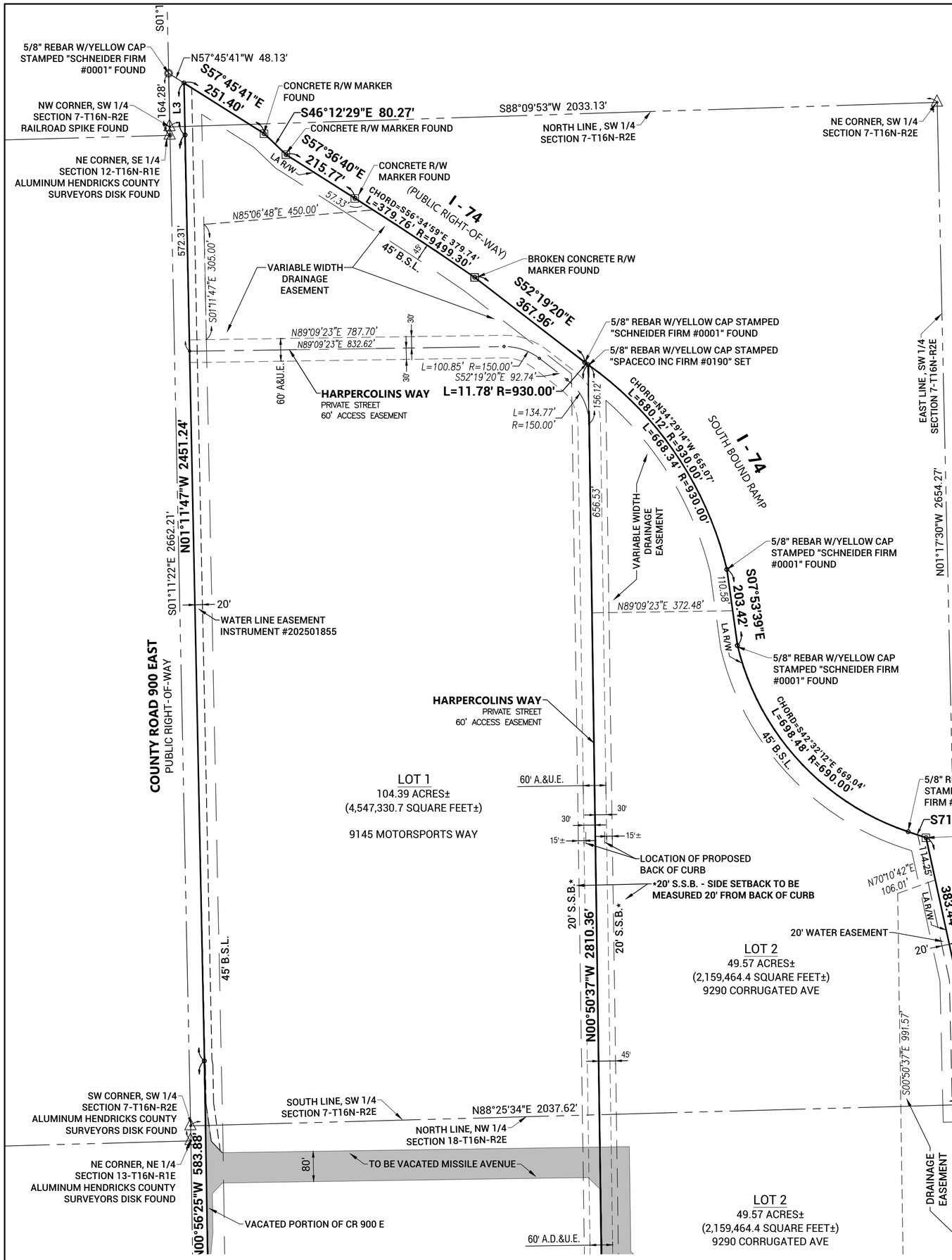
REGULATED DRAIN FOOTAGE	
OPEN DITCHES	0 FEET
PIPE	0 FEET

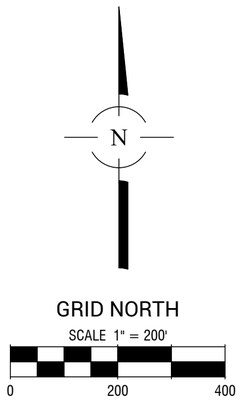
This map/plat is being furnished as an aid in locating the herein described Land in relation to adjoining streets, natural boundaries, and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the Company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.

This document was prepared by Tania M. Strug TMS

REPLAT OF LOTS 1-4
in FINAL PLAT OF LOTS 1-4, BLOCKS A & B
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II
& REPLAT OF BLOCK A
in REPLAT OF BLOCK A
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II

PART OF WEST HALF OF SECTION 7 AND THE NORTHWEST QUARTER AND EAST HALF OF SECTION 18, TOWNSHIP 16 NORTH RANGE 2 EAST, OF THE SECOND PRINCIPAL MERIDIAN, LINCOLN TOWNSHIP, HENDRICKS COUNTY, TOWN OF BROWNSBURG, INDIANA



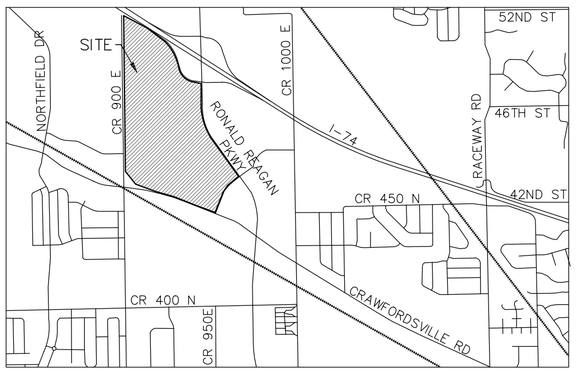


LEGEND

A. & U.E.	ACCESS & UTILITY EASEMENT
A.D.& U.E.	ACCESS DRAINAGE & UTILITY EASEMENT
A.E.	ACCESS EASEMENT
R/W	RIGHT-OF-WAY
LA R/W	LIMITED ACCESS RIGHT-OF-WAY
B.S.L.	BUILDING SETBACK LINE
S.S.B.	SIDE SETBACK LINE
D.&U.E.	DRAINAGE AND UTILITY EASEMENT
D.E.	DRAINAGE EASEMENT
V.W.D.E.	VARIABLE WIDTH DRAINAGE EASEMENT
N.A.E.	NO ACCESS EASEMENT
S.E.	SANITARY EASEMENT
U.E.	UTILITY EASEMENT
W.E.	WATER EASEMENT
	NO ACCESS EASEMENT
	VISION CLEARANCE TRIANGLE

- 5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET FLUSH WHERE NOTED; MONUMENTS SHOWN AT THE PERIMETER CORNERS AS SHOWN PER THE PRIOR PLATS

AREA MAP
NOT TO SCALE



OWNER/SUBDIVIDER
RRLP-A Properties, LLC
c/o Scannell Properties, LLC
8801 River Crossing Blvd, Suite 300
Indianapolis, IN 46240
317.843.5959

SOURCE OF TITLE
Instrument #202215050

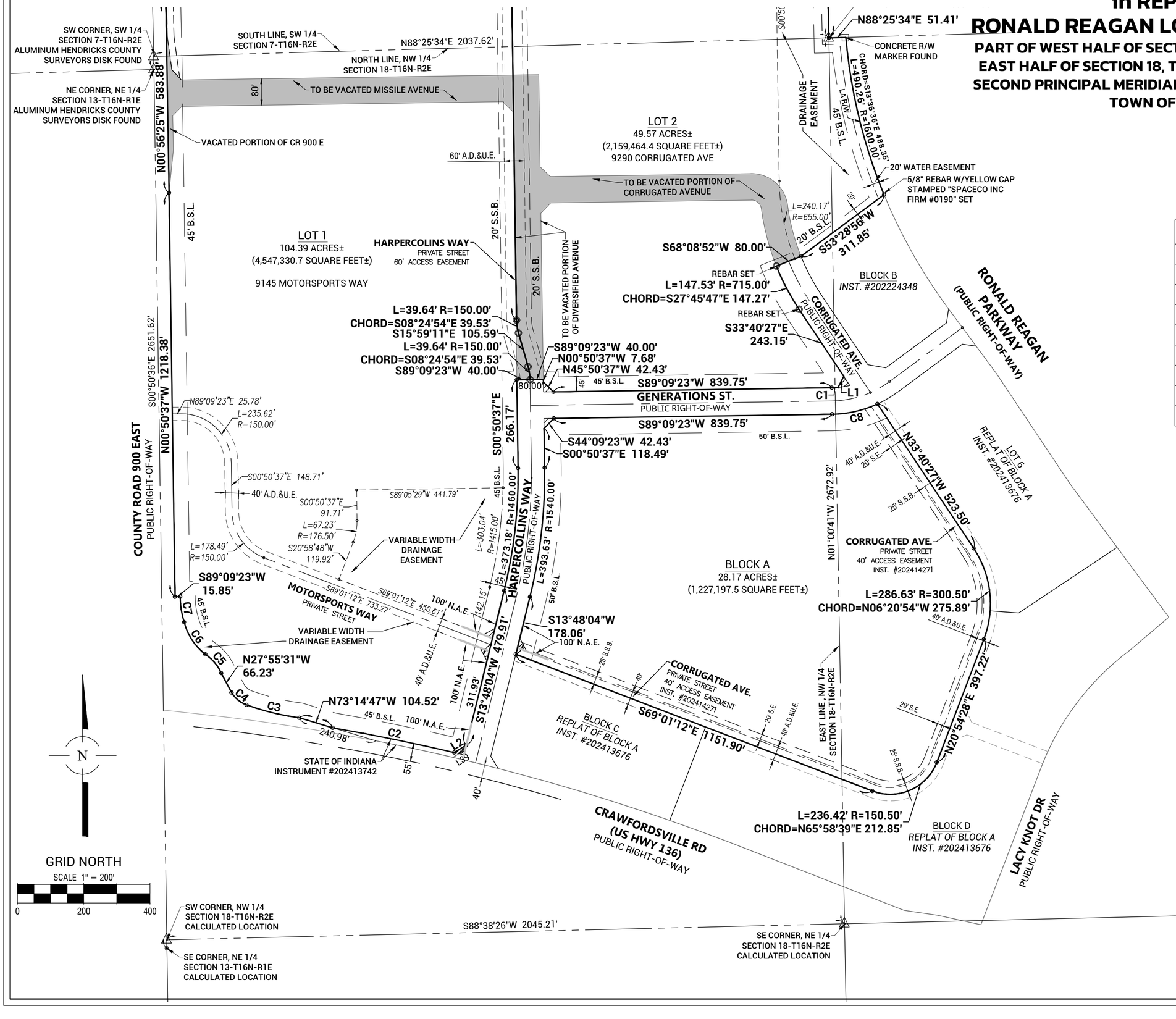
SURVEYOR
Tania M. Strug
Professional Surveyor #LS20400014
Spaceco Inc.
3850 Priority Way South Drive, Suite 110
Indianapolis, IN 46240
(317) 779-2194
tstrug@spacecoinc.com

Project No. 11609.02

Spaceco
Civil Engineering & Surveying

REPLAT OF LOTS 1-4
in FINAL PLAT OF LOTS 1-4, BLOCKS A & B
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II
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LINE TABLE		
LINE #	BEARING	DISTANCE
L1	S27° 44' 28"W	37.51'
L2	N58° 33' 23"E	42.61'
L3	N01° 11' 13"W	137.76'

CURVE TABLE				
CURVE #	LENGTH	RADIUS	CHORD BEARING	CHORD DISTANCE
C1	18.72'	260.00'	S87° 05' 39"W	18.71'
C2	374.35'	6421.40'	N78° 29' 33"W	374.30'
C3	164.52'	749.79'	N76° 15' 11"W	164.19'
C4	59.89'	88.52'	N50° 35' 11"W	58.75'
C5	75.25'	131.22'	N40° 13' 53"W	74.22'
C6	118.41'	178.55'	N33° 18' 07"W	116.25'
C7	78.06'	255.87'	N08° 45' 11"W	77.76'
C8	141.15'	340.00'	S77° 15' 47"W	140.14'

LEGEND

A. & U.E.	ACCESS & UTILITY EASEMENT
A.D.& U.E.	ACCESS DRAINAGE & UTILITY EASEMENT
A.E.	ACCESS EASEMENT
R/W	RIGHT-OF-WAY
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W.E.	WATER EASEMENT
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	VISION CLEARANCE TRIANGLE

- 5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET FLUSH WHERE NOTED; MONUMENTS SHOWN AT THE PERIMETER CORNERS AS SHOWN PER THE PRIOR PLATS

OWNER/SUBDIVIDER
RRLP-A Properties, LLC
c/o Scannell Properties, LLC
8801 River Crossing Blvd, Suite 300
Indianapolis, IN 46240
317.843.5959

SOURCE OF TITLE
Instrument #202215050

SURVEYOR
Tania M. Strug
Professional Surveyor #LS20400014
Spaceco Inc.
3850 Priority Way South Drive, Suite 110
Indianapolis, IN 46240
(317) 779-2194
tstrug@spacecoinc.com

Project No. 11609.02

REPLAT OF LOTS 1-4
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Project No. 11609.02

LAND DESCRIPTION

Lots 1, 2, 3, 4, and portions of Corrugated Avenue, Diverisified Street and Missile Avenue, as shown on the Final Plat of Lots 1-4, Blocks A & B, in Ronald Reagan Logistics Park @ I-74 Phase II, as per plat thereof recorded as Instrument #202224348, in Plat Cabinet 9, Slide 14, Sheets 1ABC, in the Office of the Recorder, Hendricks County, Indiana.

ALSO, Block A as shown on the Replat of Block A, in Ronald Reagan Logistics Park @ I-74 Phase II, as per plat thereof recorded as Instrument #202413676, in Plat Cabinet 9, Slide 60, Sheets 4ABC, in the Office of the Recorder, Hendricks County, Indiana.

SURVEYOR'S CERTIFICATE

I, the undersigned, hereby certify that I am the registered land surveyor, licensed in compliance with the laws of the State of Indiana, and that the within plat represents a subdivision of the land surveyed by Spaceco Inc., in accordance with Title 865, Article 1, Chapter 12 of the Indiana Administrative Code, with the previous plats being recorded as Instrument Number 202224348 and 202413676, in the Office of the Recorder, Hendricks County, Indiana. Said plats were based upon a prior survey of the site recorded as Instrument Number 201916505 in said Recorder's Office.

The subdivision consists of 2 lots (Lot 1-2) and one block (Block A), as shown hereon.

The size of lots and widths of streets are shown on the plat in figures denoting feet and decimal parts thereof.

Witness my signature this _____ day of _____, 2025

_____
Tania M. Strug
Professional Surveyor #LS20400014
OCTOBER 6, 2025

REDACTION STATEMENT

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law. Tania M. Strug

VISION CLEARANCE STANDARDS

A. **Vision Clearance Triangle.** A vision clearance or sight triangle shall be maintained at every intersection of two (2) or more streets, intersection of a street and alley, and intersection of a street and driveway.

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C. **Exemptions:** Public street signs and utility poles shall be exempt from the vision clearance standards.

CERTIFICATE OF OWNERSHIP & DEDICATION:

We, the undersigned, as owners of the real estate hereon do hereby declare the real estate as described, shall be known as Replat of Lots 1-4 , in Final Plat of Lots 1-4, Blocks A & B, Ronald Reagan Logistics Park @ I-74 Phase II & Replat of Block A in Replat of Block A, Ronald Reagan Logistics Park @ I-74 Phase II.

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No structure, planting, or other material shall be placed or permitted to remain which may damage or interfere with the installation and maintenance of utilities, or which may obstruct the direction of the flow of water through drainage areas and swales situated in the easements, but such lot owners shall take their title subject to the right of the easement and the rights of the owners of the other lots in this subdivision. The easement area of each lot and all improvements in it shall be maintained continuously by the owner of the lot. Those improvements for which a public authority or utility company is responsible.

A petition addressed to the Hendricks County Drainage Board has been filed in duplicate with the county surveyor, requesting that the subdivisions storm drainage system and its easements be accepted into the county's regulated drainage system. The storm drainage system and its easements that are accepted in the county's regulated drainage system are delineated on the plat as regulated drainage easements (RDES). Regulated drainage easements are storm water easements and drainage rights of way that are hereby dedicated to the public and to the Hendricks County, Indiana, Drainage Board for the sole and exclusive purpose of controlling surface water and/or for the installation, operation, and maintenance of storm sewers and tile drains as defined in the Hendricks County Storm Water Management Ordinance. These drainage easements are established under authority of the Indiana Drainage Code and the said board may exercise powers and duties as provided in said code (e.g., annual drainage assessment per lot). All other storm drainage easements have not been accepted into the county's system. All drainage improvements performed relative to the conveyance of storm water runoff and the perpetual maintenance thereof, within the latter easements, shall be the responsibility of the owner or commercial subdivision owner association. The Hendricks County Drainage Board assumes no responsibility relative to said improvements or the maintenance thereof. This subdivision contains 0 linear feet to open ditches of subsurface drains that will be included in the county's "regulated drainage systems".

IN WITNESS WHEREOF, the undersigned, being duly authorized as the owner of the Real Estate, have hereunto executed these Plat Covenants and Restrictions as of the _____ day of _____, 2025.

_____
Owner of RRLP-A Properties, LLC

_____
Printed Name

Before me, a notary public in and for said County of Hendricks and State of Indiana, personally appeared the above and acknowledged the execution of this instrument as their voluntary act and deed for the uses and purpose therein expressed.

Witness my signature and notarial seal this _____ day of _____, 2025

_____ _____ _____
MY COMMISSION EXPIRES SIGNATURE NOTARY PUBLIC

_____ _____ _____
COUNTY OF RESIDENCE PRINTED NAME

PLAN COMMISSION'S CERTIFICATE

We, the undersigned, do hereby certify that under authority provided by Indiana Code (I.C.) 36-7-4, et. seq., and all acts amendatory thereto, the Plat depicted herein is the plat which was given primary approval by the Town of Brownsburg Advisory Plan Commission at a meeting held on the _____ day of _____, 2025. We further certify that this plat complies with the Unified Development Ordinance of the Town of Brownsburg, Indiana as of the Date set forth below.

Given under our hands and seal this _____ day of _____, 2025.

_____ _____
Brett Scowden, President Steve Fletcher, Administrator

File Cross Reference: PCPP-22-5

REGULATED DRAIN FOOTAGE	
OPEN DITCHES	0 FEET
PIPE	0 FEET

This document was prepared by Tania M. Strug

Advisory Plan Commission

Town of Brownsburg

Report Date: 11/14/2025

Project: PCVA-25-1 Project Tahoe Street Vacation

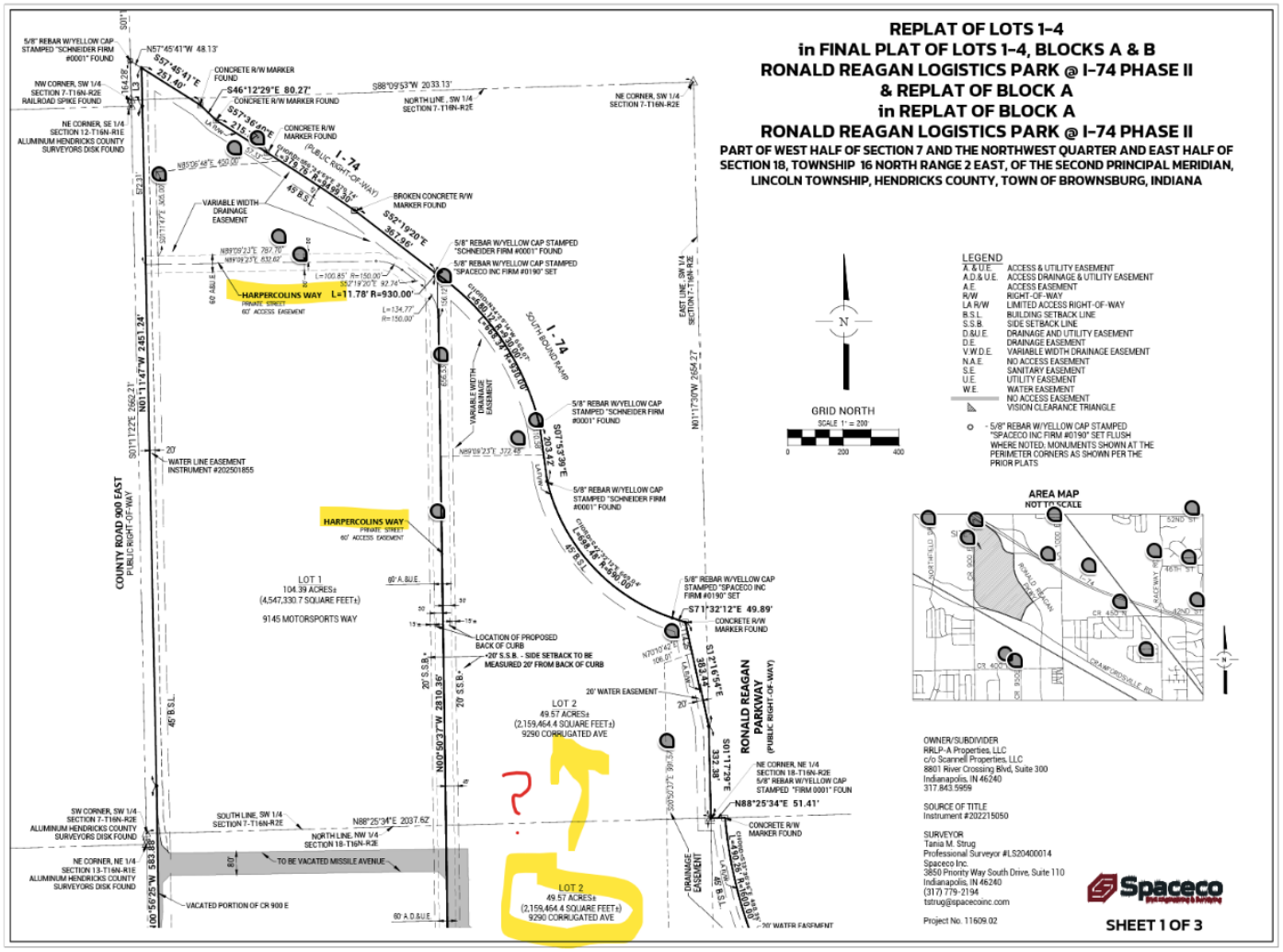
From: Lauren Bouslog, Planner I

General Information

This street vacation is part of the Ronald Reagan Logistics Park: Phase 2. The applicant (Dillon Reynolds, SpaceCo Inc.) is seeking Plan Commission approval in order to vacate portions of the right-of-way including Missile Avenue, Corrugated Avenue, and Diversified Street. Diversified Street would also be renamed to HarperCollins Way. This road name change would reflect the name of the business moving into the building that was approved during the PSDP-25-6 DPR case for 'Project Tahoe' in August. This vacation is filed in conjunction with the road connections proposed. The plat has been attached to this report.

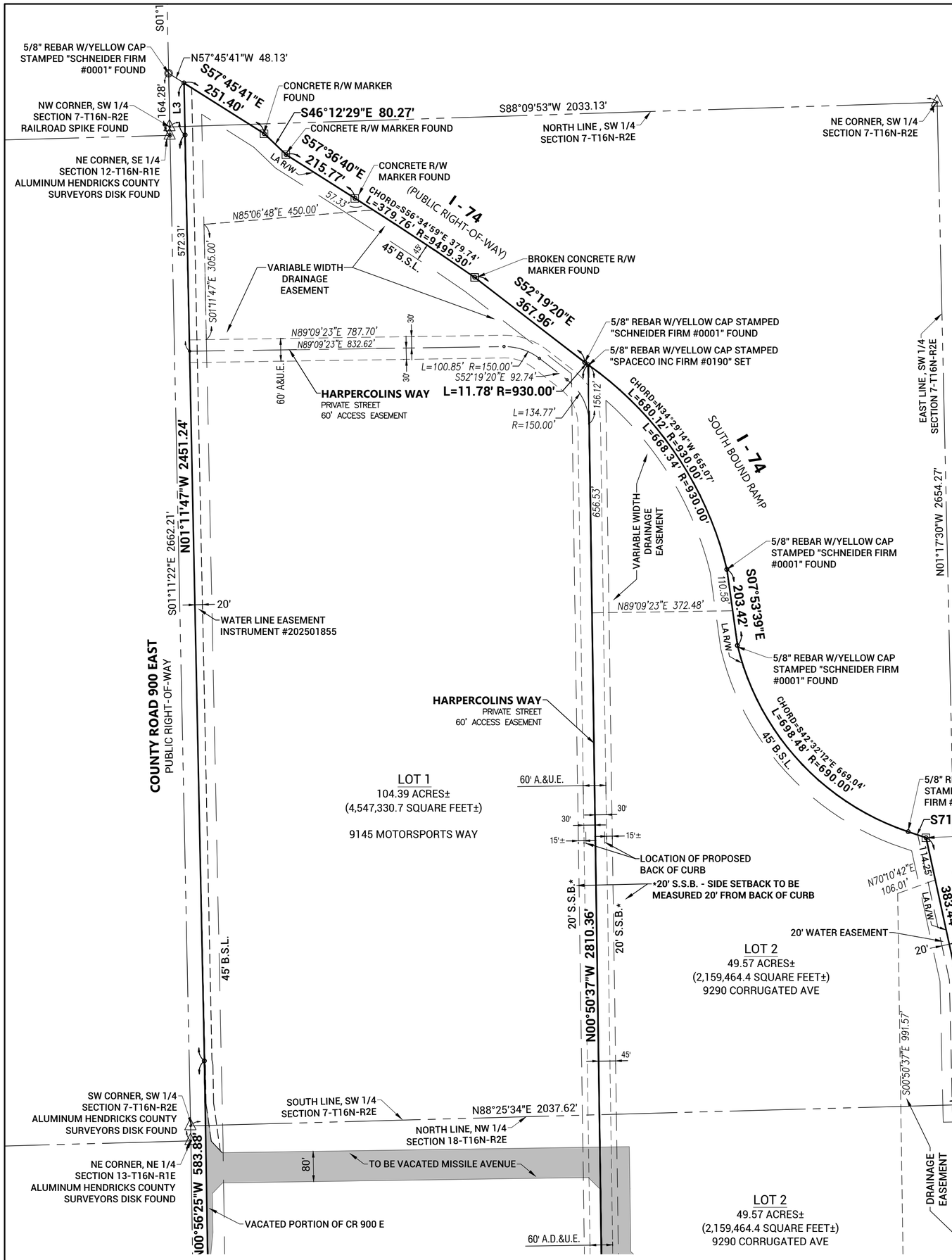
Planning Services Review: The adjacent parcels that abut the proposed right-of-way vacation are all owned by Scannell Properties. The developer has submitted and signed their affidavit and consent of property owner form. The only outstanding comments the planning department had were in relation to a typo on the plat to change 'HarperColins Way' to the correct 'HarperCollins Way' and to delete a double print of Lot 2. The applicant is aware that these changes need to be made and the new plat will need to be reuploaded with the corrections. (See **Exhibit A** below).

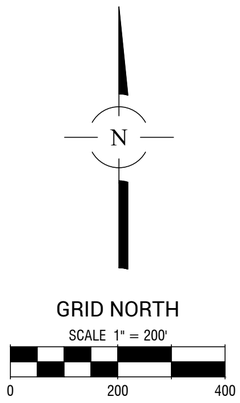
Exhibit A


REPLAT OF LOTS 1-4
in FINAL PLAT OF LOTS 1-4, BLOCKS A & B
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II
& REPLAT OF BLOCK A
in REPLAT OF BLOCK A
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II
PART OF WEST HALF OF SECTION 7 AND THE NORTHWEST QUARTER AND EAST HALF OF SECTION 18, TOWNSHIP 16 NORTH RANGE 2 EAST, OF THE SECOND PRINCIPAL MERIDIAN, LINCOLN TOWNSHIP, HENDRICKS COUNTY, TOWN OF BROWNSBURG, INDIANA
LEGEND
GRID NORTH
SCALE 1" = 200
AREA MAP
NOT TO SCALE
OWNER/SUBDIVIDER
RRLP-A Properties, LLC
c/o Scannell Properties, LLC
8801 River Crossing Blvd, Suite 300
Indianapolis, IN 46240
317.843.5958
SOURCE OF TITLE
Instrument #202215050
SURVEYOR
Tania M. Strug
Professional Surveyor #LS20400014
Spaceco Inc.
3850 Priority Way South Drive, Suite 110
Indianapolis, IN 46240
(317) 779-2194
tstrug@spacecoinc.com
Project No. 11609.02
Spaceco
SHEET 1 OF 3
COUNTY ROAD 900 EAST
PUBLIC RIGHT-OF-WAY
I-74
(PUBLIC RIGHT-OF-WAY)
SOUTHBOUND RAMP
HARPERCOLINS WAY
PRIVATE STREET
60' ACCESS EASEMENT
L=11.78' R=930.00'
HARPERCOLINS WAY
PRIVATE STREET
60' ACCESS EASEMENT
RONALD REAGAN PARKWAY
(PUBLIC RIGHT-OF-WAY)
LOT 1
104.39 ACRES±
(4,547,330.7 SQUARE FEET±)
9145 MOTORSPORTS WAY
LOT 2
49.57 ACRES±
(2,159,464.4 SQUARE FEET±)
9290 CORRUGATED AVE
LOT 2
49.57 ACRES±
(2,159,464.4 SQUARE FEET±)
9290 CORRUGATED AVE
TO BE VACATED MISSILE AVENUE
VACATED PORTION OF CR 900 E
WATER LINE EASEMENT
INSTRUMENT #202501855
LOCATION OF PROPOSED
BACK OF CURB
*20' S.S.B. - SIDE SETBACK TO BE
MEASURED 20' FROM BACK OF CURB
20' WATER EASEMENT
DRAINAGE EASEMENT
20' WATER EASEMENT
VARIABLE WIDTH
DRAINAGE
EASEMENT
VARIABLE WIDTH
DRAINAGE
EASEMENT
BROKEN CONCRETE R/W
MARKER FOUND
CONCRETE R/W MARKER FOUND
CONCRETE R/W MARKER FOUND
CONCRETE R/W
MARKER FOUND
5/8" REBAR W/YELLOW CAP STAMPED "SCHNEIDER FIRM #0001" FOUND
5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET
5/8" REBAR W/YELLOW CAP STAMPED "SCHNEIDER FIRM #0001" FOUND
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5/8" REBAR W/YELLOW CAP STAMPED "SCHNEIDER FIRM #0001" FOUND
5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET
NE CORNER, NE 1/4
SECTION 18-T16N-R2E
5/8" REBAR W/YELLOW CAP
STAMPED "FIRM 0001" FOUN
SW CORNER, SW 1/4
SECTION 7-T16N-R2E
ALUMINUM HENDRICKS COUNTY
SURVEYORS DISK FOUND
NE CORNER, NE 1/4
SECTION 13-T16N-R1E
ALUMINUM HENDRICKS COUNTY
SURVEYORS DISK FOUND
NW CORNER, SW 1/4
SECTION 7-T16N-R2E
RAILROAD SPIKE FOUND
NE CORNER, SE 1/4
SECTION 12-T16N-R1E
ALUMINUM HENDRICKS COUNTY
SURVEYORS DISK FOUND
NE CORNER, SW 1/4
SECTION 7-T16N-R2E
NORTH LINE, SW 1/4
SECTION 7-T16N-R2E
EAST LINE, SW 1/4
SECTION 7-T16N-R2E
SOUTH LINE, SW 1/4
SECTION 7-T16N-R2E
NORTH LINE, NW 1/4
SECTION 18-T16N-R2E
N57°45'41"W 48.13'
S57°45'41"E
251.40'
S46°12'29"E 80.27'
S88°09'53"W 2033.13'
S57°36'49"E
215.00'
N89°06'48"E 450.00'
S52°19'20"E
361.96'
N89°09'23"E 787.70'
N89°09'23"E 637.62'
L=100.85' R=150.00'
S57°19'20"E 98.74'
L=134.77'
R=150.00'
S07°53'39"E
203.42'
N89°09'23"E 372.45'
S71°32'12"E 49.89'
N75°10'42"E
106.01'
S12°16'48"E
332.38'
S01°11'32"E
N88°25'34"E 51.41'
N88°25'34"E 2037.62'
N00°56'25"W 583.88'
N00°50'37"W 2810.86'
N01°11'47"W 2461.24'
N01°17'30"W 2654.27'
S01°11'32"E 2662.21'
S01°11'47"E 300.00'
S01°11'47"E 300.00'
S01°11'47"E 57.31'
S01°11'47"E 57.31

REPLAT OF LOTS 1-4
in FINAL PLAT OF LOTS 1-4, BLOCKS A & B
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II
& REPLAT OF BLOCK A
in REPLAT OF BLOCK A
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II

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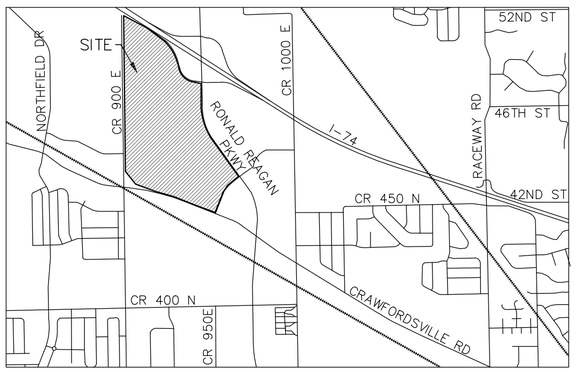


LEGEND

A. & U.E.	ACCESS & UTILITY EASEMENT
A.D.& U.E.	ACCESS DRAINAGE & UTILITY EASEMENT
A.E.	ACCESS EASEMENT
R/W	RIGHT-OF-WAY
LA R/W	LIMITED ACCESS RIGHT-OF-WAY
B.S.L.	BUILDING SETBACK LINE
S.S.B.	SIDE SETBACK LINE
D.&U.E.	DRAINAGE AND UTILITY EASEMENT
D.E.	DRAINAGE EASEMENT
V.W.D.E.	VARIABLE WIDTH DRAINAGE EASEMENT
N.A.E.	NO ACCESS EASEMENT
S.E.	SANITARY EASEMENT
U.E.	UTILITY EASEMENT
W.E.	WATER EASEMENT
	NO ACCESS EASEMENT
	VISION CLEARANCE TRIANGLE

- 5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET FLUSH WHERE NOTED; MONUMENTS SHOWN AT THE PERIMETER CORNERS AS SHOWN PER THE PRIOR PLATS

AREA MAP
NOT TO SCALE



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SOURCE OF TITLE
Instrument #202215050

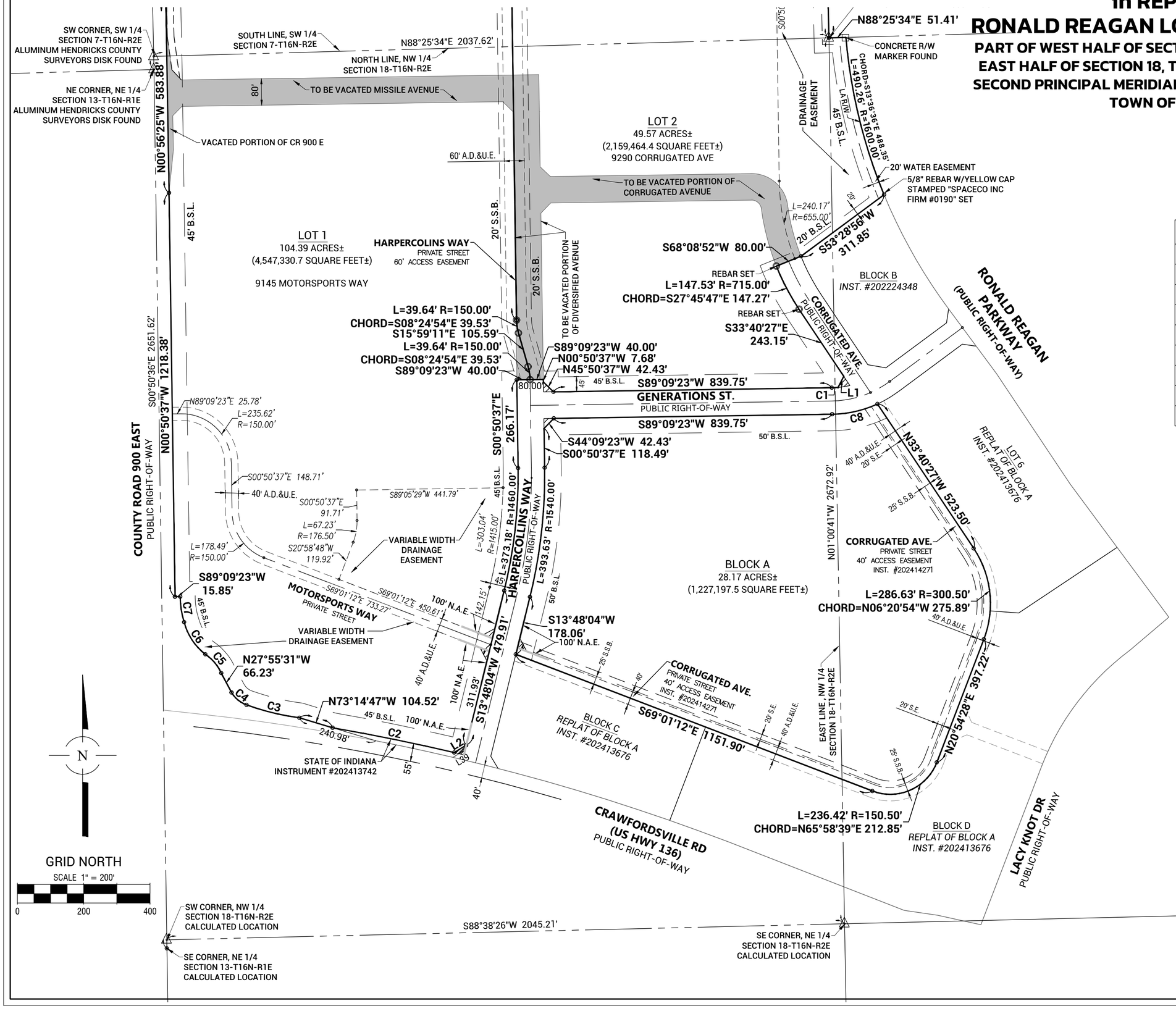
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Project No. 11609.02

Spaceco
Civil Engineering & Surveying

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in FINAL PLAT OF LOTS 1-4, BLOCKS A & B
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LINE TABLE		
LINE #	BEARING	DISTANCE
L1	S27° 44' 28"W	37.51'
L2	N58° 33' 23"E	42.61'
L3	N01° 11' 13"W	137.76'

CURVE TABLE				
CURVE #	LENGTH	RADIUS	CHORD BEARING	CHORD DISTANCE
C1	18.72'	260.00'	S87° 05' 39"W	18.71'
C2	374.35'	6421.40'	N78° 29' 33"W	374.30'
C3	164.52'	749.79'	N76° 15' 11"W	164.19'
C4	59.89'	88.52'	N50° 35' 11"W	58.75'
C5	75.25'	131.22'	N40° 13' 53"W	74.22'
C6	118.41'	178.55'	N33° 18' 07"W	116.25'
C7	78.06'	255.87'	N08° 45' 11"W	77.76'
C8	141.15'	340.00'	S77° 15' 47"W	140.14'

LEGEND

A. & U.E.	ACCESS & UTILITY EASEMENT
A.D.& U.E.	ACCESS DRAINAGE & UTILITY EASEMENT
A.E.	ACCESS EASEMENT
R/W	RIGHT-OF-WAY
LA R/W	LIMITED ACCESS RIGHT-OF-WAY
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N.A.E.	NO ACCESS EASEMENT
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- 5/8" REBAR W/YELLOW CAP STAMPED "SPACECO INC FIRM #0190" SET FLUSH WHERE NOTED; MONUMENTS SHOWN AT THE PERIMETER CORNERS AS SHOWN PER THE PRIOR PLATS

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REPLAT OF LOTS 1-4
in FINAL PLAT OF LOTS 1-4, BLOCKS A & B
RONALD REAGAN LOGISTICS PARK @ I-74 PHASE II
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Project No. 11609.02

LAND DESCRIPTION

Lots 1, 2, 3, 4, and portions of Corrugated Avenue, Diverisified Street and Missile Avenue, as shown on the Final Plat of Lots 1-4, Blocks A & B, in Ronald Reagan Logistics Park @ I-74 Phase II, as per plat thereof recorded as Instrument #202224348, in Plat Cabinet 9, Slide 14, Sheets 1ABC, in the Office of the Recorder, Hendricks County, Indiana.

ALSO, Block A as shown on the Replat of Block A, in Ronald Reagan Logistics Park @ I-74 Phase II, as per plat thereof recorded as Instrument #202413676, in Plat Cabinet 9, Slide 60, Sheets 4ABC, in the Office of the Recorder, Hendricks County, Indiana.

SURVEYOR'S CERTIFICATE

I, the undersigned, hereby certify that I am the registered land surveyor, licensed in compliance with the laws of the State of Indiana, and that the within plat represents a subdivision of the land surveyed by Spaceco Inc., in accordance with Title 865, Article 1, Chapter 12 of the Indiana Administrative Code, with the previous plats being recorded as Instrument Number 202224348 and 202413676, in the Office of the Recorder, Hendricks County, Indiana. Said plats were based upon a prior survey of the site recorded as Instrument Number 201916505 in said Recorder's Office.

The subdivision consists of 2 lots (Lot 1-2) and one block (Block A), as shown hereon.

The size of lots and widths of streets are shown on the plat in figures denoting feet and decimal parts thereof.

Witness my signature this _____ day of _____, 2025

_____
Tania M. Strug
Professional Surveyor #LS20400014
OCTOBER 6, 2025

REDACTION STATEMENT

I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law. Tania M. Strug

VISION CLEARANCE STANDARDS

A. **Vision Clearance Triangle.** A vision clearance or sight triangle shall be maintained at every intersection of two (2) or more streets, intersection of a street and alley, and intersection of a street and driveway.

1. Horizontal Area:
   a. *Streets*: The vision clearance triangle leg lengths shall be measured from the intersection of right-of-way lines (see "details" on sheets 1 and 2). If the right-of-way line curves, then each right-of-way line shall be extended to form a corner point to measure from. The distances for each leg of the vision clearance triangle shall be as follows:
      I. Speed Limit 30 MPH or Less: A triangle leg that parallels a street with a speed limit of 30 MPH or less shall be twenty-five (25) feet.
      II. Speed Limit 35 MPH to 40 MPH: A triangle leg that parallels a street with a speed limit of 35 MPH to 40 MPH shall be thirty-five (35) feet.
      III. Speed Limit 45 MPH or Greater: A triangle leg that parallels a street with a speed limit of 45 MPH or greater shall be forty-five (45) feet.
2. Alleys and Driveways: The vision clearance triangle leg lengths shall be ten (10) feet as measured from the right-of-way line and the intersection of a driveway or alley. The edge of pavement shall be used for driveways and alleys.

B. **Vertical Area**. No primary or accessory structures, landscaping, fences, walls, or signs shall be permitted to be placed or to project into the vision clearance triangle between the heights of two (2) feet and nine (9) feet above the crown of the adjacent roadway.

C. **Exemptions:** Public street signs and utility poles shall be exempt from the vision clearance standards.

CERTIFICATE OF OWNERSHIP & DEDICATION:

We, the undersigned, as owners of the real estate hereon do hereby declare the real estate as described, shall be known as Replat of Lots 1-4 , in Final Plat of Lots 1-4, Blocks A & B, Ronald Reagan Logistics Park @ I-74 Phase II & Replat of Block A in Replat of Block A, Ronald Reagan Logistics Park @ I-74 Phase II.

Public Streets and Rights-of-Way
All public streets, alleys, sidewalks, street name and regulatory signs, and public rights-of-way shown and designated as such on this plat, and not heretofore dedicated, are hereby dedicated to the public for operation and maintenance. There are strips of ground of the width called for on the plat which are reserved and dedicated as easements to all adjoining property owners within the boundaries of the plat and additional parties as noted below for the following described purposes:

Utility Easements
Areas on this plat designated as 'Utility Easement' or abbreviated "UE" are reserved and dedicated to all public and private utilities for the non-exclusive right to enter upon, install, operate, maintain, repair, and replace lines, poles, ducts, valves, cabinets, pipes, pumping stations, and appurtenances for water, sanitary sewer, stormwater, gas, electric, cable, telecommunications facilities, and the like.

Drainage Easements
Areas on these plans designated as 'Drainage Easement' or abbreviated "DE" are hereby dedicated to the lot owner of Ronald Reagan Logistics Park @ I-74 Phase II for the purpose of installation, maintenance, repair and operation of surface and subsurface drainage infrastructure, swales, drainage basins, retention and detention ponds, and their appurtenances. All infrastructure shall be owned, operated and maintained by the record owner of said lot.

Private Street Easements
The developer of this real estate covenants and warrants on behalf of itself and all future owners of lots within this subdivision/development that because the streets are private, all maintenance, repairs, and replacement, now and forever, shall be undertaken at the expense of the lot owners (or unit owners) in accordance with the terms and conditions set forth in that certain Access and Drainage Easement Agreement, or that certain Declaration of Easements, Covenants, and Restrictions for Ronald Reagan Logistics Park @ I-74 Phase II, or the owners' association by-law and articles. No governmental entity has any duty or responsibility to maintain, repair, or replace any private street.

Cross-Access Easements
Areas on these plans designated as a 'Cross-Access Easement' or abbreviated "CAE" are established in favor of the adjoining property owner, and grant the public the right to enter the easement for purposes of accessing adjoining parking lots. These easements prohibit any person from parking vehicles within the easement, and prohibit the property owners or any other person from placing any obstruction within the easement. These easements are binding on all heirs, successors, and assigns to the property on which they are located. The grantee or the Town of Brownsburg may enforce the provisions of the easement. The easement shall only be modified or vacated in the manner stipulated in the Unified Development Ordinance, or its successor ordinance.

No Access Easements
Areas on these plans designated as a 'No-access Easement' or abbreviated as "NAE" are established to assure a driveway is not installed partially or fully in areas deemed to be unsafe due to their proximity to a street intersection, or at the terminus of a 'T' intersection. These easements prohibit any person from parking vehicles within the easement and prohibit the property owners or any other person from constructing a driveway across the easement. These easements are binding on all heirs, successors, and assigns to the property on which they are located. The grantee or the Town of Brownsburg may enforce the provisions of the easement. The easement shall only be modifed or vacated in the manner stipulated in the Unifed Development Ordinance, or its successor ordinance.

No structure, planting, or other material shall be placed or permitted to remain which may damage or interfere with the installation and maintenance of utilities, or which may obstruct the direction of the flow of water through drainage areas and swales situated in the easements, but such lot owners shall take their title subject to the right of the easement and the rights of the owners of the other lots in this subdivision. The easement area of each lot and all improvements in it shall be maintained continuously by the owner of the lot. Those improvements for which a public authority or utility company is responsible.

A petition addressed to the Hendricks County Drainage Board has been filed in duplicate with the county surveyor, requesting that the subdivisions storm drainage system and its easements be accepted into the county's regulated drainage system. The storm drainage system and its easements that are accepted in the county's regulated drainage system are delineated on the plat as regulated drainage easements (RDES). Regulated drainage easements are storm water easements and drainage rights of way that are hereby dedicated to the public and to the Hendricks County, Indiana, Drainage Board for the sole and exclusive purpose of controlling surface water and/or for the installation, operation, and maintenance of storm sewers and tile drains as defined in the Hendricks County Storm Water Management Ordinance. These drainage easements are established under authority of the Indiana Drainage Code and the said board may exercise powers and duties as provided in said code (e.g., annual drainage assessment per lot). All other storm drainage easements have not been accepted into the county's system. All drainage improvements performed relative to the conveyance of storm water runoff and the perpetual maintenance thereof, within the latter easements, shall be the responsibility of the owner or commercial subdivision owner association. The Hendricks County Drainage Board assumes no responsibility relative to said improvements or the maintenance thereof. This subdivision contains 0 linear feet to open ditches of subsurface drains that will be included in the county's "regulated drainage systems".

IN WITNESS WHEREOF, the undersigned, being duly authorized as the owner of the Real Estate, have hereunto executed these Plat Covenants and Restrictions as of the _____ day of _____, 2025.

_____
Owner of RRLP-A Properties, LLC

_____
Printed Name

Before me, a notary public in and for said County of Hendricks and State of Indiana, personally appeared the above and acknowledged the execution of this instrument as their voluntary act and deed for the uses and purpose therein expressed.

Witness my signature and notarial seal this _____ day of _____, 2025

_____ _____ _____
MY COMMISSION EXPIRES SIGNATURE NOTARY PUBLIC

_____ _____ _____
COUNTY OF RESIDENCE PRINTED NAME

PLAN COMMISSION'S CERTIFICATE

We, the undersigned, do hereby certify that under authority provided by Indiana Code (I.C.) 36-7-4, et. seq., and all acts amendatory thereto, the Plat depicted herein is the plat which was given primary approval by the Town of Brownsburg Advisory Plan Commission at a meeting held on the _____ day of _____, 2025. We further certify that this plat complies with the Unified Development Ordinance of the Town of Brownsburg, Indiana as of the Date set forth below.

Given under our hands and seal this _____ day of _____, 2025.

_____ _____
Brett Scowden, President Steve Fletcher, Administrator

File Cross Reference: PCPP-22-5

REGULATED DRAIN FOOTAGE	
OPEN DITCHES	0 FEET
PIPE	0 FEET

This document was prepared by Tania M. Strug

ADVISORY PLAN COMMISSION

OFFICIAL SCHEDULE AND DEADLINES

The Advisory Plan Commission meets the 4th Monday of every month, unless adjusted for holidays/breaks. Applications must be filed in accordance with the APC Rules of Procedure.

					Cases Requiring Public Hearings							
Pre-Filing Meeting Deadline	Application Deadline	Tech. Comment Letter	Tech. Meeting	Tech Response Deadline	Authorization to Proceed (ATP)	Newspaper Notice Deadline (Danville Rep.)**	Newspaper Notice Deadline (Indy Star)**	Danville Publication Date	Indy Star Publication Date	Mailed Notice & Notice Sign Deadline	Agenda Sent Out	Public Hearing (4th Monday)
11/26/2025	12/8/2025	12/17/2025	12/18/2025	1/1/2026	1/7/2026	1/12/2026	1/12/2026	1/15/2026	1/15/2026	1/16/2026	1/20/2026	1/26/2026
12/26/2025	1/6/2026	1/15/2026	1/16/2026	1/30/2026	1/31/2026	2/9/2026	2/9/2026	2/12/2026	2/12/2026	2/13/2026	2/17/2026	2/23/2026
1/16/2026	1/28/2026	2/5/2026	2/6/2026	2/20/2026	2/23/2026	3/9/2026	3/9/2026	3/12/2026	3/12/2026	3/13/2026	3/16/2026	3/23/2026
2/26/2026	3/9/2026	3/18/2026	3/19/2026	4/2/2026	4/6/2026	4/13/2026	4/13/2026	4/16/2026	4/16/2026	4/17/2026	4/20/2026	4/27/2026
3/26/2026	4/6/2026	4/15/2026	4/16/2026	4/30/2026	5/1/2026	5/11/2026	5/11/2026	5/14/2026	5/14/2026	5/15/2026	5/20/2026	**5/27/2026**
4/23/2026	5/4/2026	5/13/2026	5/14/2026	5/28/2026	5/29/2026	6/8/2026	6/8/2026	6/11/2026	6/11/2026	6/12/2026	6/16/2026	6/22/2026
5/28/2026	6/8/2026	6/17/2026	6/18/2026	7/1/2026	7/2/2026	7/13/2026	7/13/2026	7/16/2026	7/16/2026	7/17/2026	7/20/2026	7/27/2026
6/25/2026	7/6/2026	7/15/2026	7/16/2026	7/30/2026	7/31/2026	8/10/2026	8/10/2026	8/13/2026	8/13/2026	8/14/2026	8/17/2026	8/24/2026
7/30/2026	8/10/2026	8/19/2026	8/20/2026	9/3/2026	9/4/2026	9/14/2026	9/14/2026	9/17/2026	9/17/2026	9/18/2026	9/21/2026	9/28/2026
8/27/2026	9/7/2026	9/16/2026	9/17/2026	10/1/2026	10/2/2026	10/9/2026	10/9/2026	10/15/2026	10/15/2026	10/16/2026	10/19/2026	10/26/2026
9/24/2026	10/5/2026	10/14/2026	10/15/2026	10/29/2026	10/30/2026	11/6/2026	11/6/2026	11/12/2026	11/12/2026	11/13/2026	11/16/2026	11/23/2026
10/15/2026	10/26/2026	11/4/2026	11/5/2026	11/19/2026	11/23/2026	11/30/2026	11/30/2026	12/3/2026	12/3/2026	12/4/2026	12/9/2026	**12/16/2026**

Dates listed in BOLD are modified from the typical schedule due to Town-observed holidays or BCSC Spring Break.

***Newspaper notices must be sent to the respective newspaper on or before this date. Confirm time deadlines with the newspaper.**

Pre-filing meeting: Required for all new projects (first submittal) and recommended for projects such as Development Plan Reviews. Applicants may check with staff on Secondary Plats on whether a formal pre-filing meeting is required.

Tech Review: Review sheets (Tech Comment Letter) combining all comments received will be emailed the day before the meeting. Tech meetings are on Thursdays at 1:30pm in the Town Council Room of Town Hall

Authorization to Proceed: Packets and instructions for completing the mailed and newspaper notice will be provided by staff on the dates above for all cases requiring a public hearing.

All cases must be filed through our online portal. For more information: ***https://www.brownsburg.org/165/APC-BZA-Applications***

Questions: planning@brownsburg.org (317) 852-1128