



**CITY OF PERRYSBURG
CITY COUNCIL
AGENDA**

February 3, 2026

1. Call to Order - 6:30 PM
2. Roll Call
3. Pledge of Allegiance
4. Minutes of Council Meeting of January 20, 2026
5. Special Reports
6. Letters, Communications, and Citizens Communications
7. Administrative Reports

a. Mayor

Request a motion to approve the appointment of Tom Mackin to serve on the Civil Service Commission. This is to fill a vacancy that expires on 12/31/2029.

Request a motion to approve the appointment of Logan Geib to serve on the Board of Zoning Appeals. This is to fill a vacancy that expires on 12/31/2028.

Request a motion to approve the appointment of Larry Leyland to serve on the Citizen's Park and Recreation Advisory Committee (PRAC). This is to fill a vacancy that expires on 12/31/2028.

Request a motion to approve the appointment of Ryan Hill to serve on the Citizen's Park and Recreation Advisory Committee (PRAC). This is to fill a vacancy that expires on 12/31/2028.

b. City Administrator

c. Finance Director

d. Law Director

8. President of Council Report

- a. Request a motion to approve the appointment of Cory Kuhlman to serve on the CRA Housing Council. This is to fill a vacancy that expires on 12/31/2029.

Request a motion to approve the appointment of Kerry Wellstein to serve on the Volunteer Firefighter's Dependent's Fund Board. This is to fill a vacancy that expires on 12/31/2026.

9. Committee Reports

a. Finance & Economic Development

b. Safety

Resolution# 4-2026

A RESOLUTION AUTHORIZING THE ACCEPTANCE OF GRANTS FROM LYONDELLBASELL CORPORATE TO BE APPLIED TOWARDS THE PURCHASE OF EQUIPMENT FOR THE POLICE AND FIRE DIVISIONS; AND DECLARING AN EMERGENCY

Recommendation to Suspend the Rules,

***Waive the Three Readings, and
Pass as an Emergency Measure***

- c. Recreation
- d. Planning & Zoning
- e. Personnel
- f. Public Utilities

Ordinance# 2-2026

ACCEPTING STREETS, ALLEYS, AND GREEN SPACE AND OTHER DEDICATED INFRASTRUCTURE PER CODIFIED ORDINANCE §1295.07 (COVENTRY POINTE PLAT 5); AND DECLARING AN EMERGENCY

***Recommendation to Suspend the Rules,
Waive the Three Readings, and
Pass as an Emergency Measure***

Ordinance# 3-2026

ACCEPTING STREETS, ALLEYS, AND GREEN SPACE AND OTHER DEDICATED INFRASTRUCTURE PER CODIFIED ORDINANCE §1295.07 (FALLS AT RIVERS EDGE PLAT 4); AND DECLARING AN EMERGENCY

***Recommendation to Suspend the Rules,
Waive the Three Readings, and
Pass as an Emergency Measure***

Resolution# 5-2026

A RESOLUTION AUTHORIZING THE MAYOR AND DIRECTOR OF FINANCE TO ENTER INTO A CUSTOMER SUPPLY AGREEMENT FOR THE PROVISION OF THIRD-PARTY ELECTRIC GENERATION FOR RESIDENTIAL AND SMALL COMMERCIAL AGGREGATION PARTICIPANTS WITHIN THE CITY OF PERRYSBURG; AND DECLARING AN EMERGENCY

***Recommendation to Suspend the Rules,
Waive the Three Readings, and
Pass as an Emergency Measure***

Resolution# 6-2026

A RESOLUTION ACCEPTING THE PROPOSAL OF ARCHER ENERGY, LLC TO EXTEND THE AGREEMENT PROVIDING NATURAL GAS SUPPLIES THROUGH OPT-OUT AGGREGATION TO ELIGIBLE RESIDENTIAL AND SMALL BUSINESSES IN THE CITY OF PERRYSBURG; AND DECLARING AND EMERGENCY

***Recommendation to Suspend the Rules,
Waive the Three Readings, and
Pass as an Emergency Measure***

- g. Service

Ordinance# 4-2026

AN ORDINANCE AMENDING PERRYSBURG CODIFIED ORDINANCE CHAPTER 286

1st Reading, no vote required

10. Other Business

11. Adjournment

TO: Mayor Weber
President Rettig
Members of City Council

FROM: Timothy W. Effler, Law Director

RE: Resolution 4-2026

DATE: February 3, 2026



Subject Matter/Background

LyondellBasell Corporate (LYB), through the Advancing Good Program, has granted funds to the City of Perrysburg's Police and Fire Divisions.

LYB approved grant funds in the amount of Five Thousand Dollars and Zero Cents (\$5,000.00) for the Fire Division to be applied to the purchase of personal protective equipment (PPE). And LYB approved grant funds in the amount of Three Thousand Dollars and Zero Cents (\$3,000.00) for the Police Division to be applied to the purchase of police training virtual reality headsets.

This Resolution authorizes the Mayor and Director of Finance to take all actions necessary to accept the grant funds, including but not limited to entering into an agreement(s) on behalf of the City.

Legal Review

This legislation has been reviewed and is appropriately before you.

Recommendation

If City Council is in agreement, a motion to suspend the three readings rule and pass this Resolution as an emergency measure would be appropriate in order to ensure timely acceptance of the grant funds.

RESOLUTION 4-2026

A RESOLUTION AUTHORIZING THE ACCEPTANCE OF GRANTS FROM LYONDELLBASELL CORPORATE TO BE APPLIED TOWARDS THE PURCHASE OF EQUIPMENT FOR THE POLICE AND FIRE DIVISIONS; AND DECLARING AN EMERGENCY

WHEREAS, LyondellBasell Corporate (LYB), through the Advancing Good Program, has granted funds to the City of Perrysburg's Police and Fire Divisions; and,

WHEREAS, LYB approved grant funds in the amount of Five Thousand Dollars and Zero Cents (\$5,000.00) for the Fire Division to be applied to the purchase of personal protective equipment (PPE) that would limit fatigue and exposure to carcinogens for Fire Division personnel; and,

WHEREAS, LYB approved grant funds in the amount of Three Thousand Dollars and Zero Cents (\$3,000.00) for the Police Division to be applied to the purchase of police training virtual reality headsets that will increase training frequency and effectiveness for Police Division personnel; and,

WHEREAS, the Safety Committee, at its meeting held January 20, 2026, unanimously approved advancement of this Resolution to City Council.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PERRYSBURG, WOOD COUNTY, OHIO:

SECTION 1. That Council hereby authorizes the Mayor and Director of Finance to accept grant funds from LyondellBasell (LYB) Corporate through the Advancing Good program, in the amount of Eight Thousand Dollars and Zero Cents (\$8,000.00).

SECTION 2. It is found and determined that all formal actions of Council concerning or relating to the passage of this Resolution were adopted in an open meeting of the Council, and that all deliberations of this Council and any of its committees, that resulted in such formal actions, were in meetings open to the public in compliance with all legal requirements of the City of Perrysburg and the State of Ohio.

SECTION 3. This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health and safety of the residents of the City of Perrysburg, Wood County, Ohio and shall be in full force and effect from and immediately after its passage and approval by the Mayor.

President of Council

Mayor

PASSED _____

ATTEST: _____

APPROVED: _____

Timothy W. Effler
LAW DIRECTOR

TO: Mayor Webber
President Rettig
Members of City Council

FROM: Timothy W. Effler, Law Director

RE: Ordinances 2-2026 & 3-2026

DATE: February 3, 2026



Subject Matter/Background

Perrysburg Code Section §1295.07 accepts streets, signs and infrastructure of completed plats within the City. Once a developer completes a plat within the City, all infrastructure is inspected by the Department of Public Utilities, City Engineer, and the Department of Public Service to confirm that construction was completed to City specifications. Following a successful review, the City must accept the plat, including streets and infrastructure. These Ordinances identify the plats, streets, and infrastructure found in Coventry Pointe Plat 5 and Falls at Rivers Edge Plat 4 have reached that stage.

Financial Review

There is no direct financial implication to this legislation.

Legal Review

This legislation has been reviewed and is appropriately before you.

Recommendation

If City Council is in agreement, a motion to waive the rules, waive the three readings and pass the legislation as an emergency measure is appropriate, in order to avoid any confusion regarding rights, duties, and obligations with respect to the subject infrastructure.

ORDINANCE 2-2026

**ACCEPTING STREETS, ALLEYS, AND GREEN SPACE AND OTHER
DEDICATED INFRASTRUCTURE PER CODIFIED ORDINANCE
§1295.07 (COVENTRY POINTE PLAT 5); AND DECLARING AN
EMERGENCY**

WHEREAS, Codified Ordinance §1295.07 requires that dedication of certain improvements within subdivisions be accepted by ordinance; and

WHEREAS, the streets, alleys, green spaces, and other dedicated infrastructure and improvements in a subdivision, as summarized on Exhibit A, (Coventry Pointe Plat 5) have been completed to the satisfaction of the City of Perrysburg, Ohio, and such improvements have been offered for dedication and now should be accepted and dedicated; and

WHEREAS, the value of the property includes but is not limited to:

Sanitary	128 linear feet	\$101,250.00
Water	670 linear feet	\$109,654.00
Roadway	724 linear feet	\$162,000.00
Storm	1944 linear feet	\$201,640.00

NOW THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF PERRYSBURG, WOOD COUNTY, OHIO:

SECTION 1. In conformity with Codified Ordinance §1295.07 and all otherwise applicable law, the City of Perrysburg, Ohio, hereby accepts for dedication the streets, alleys, green spaces, and other dedicated infrastructure and improvements of the subdivisions listed on Exhibit A, (Coventry Pointe Plat 5) which is attached hereto and incorporated as if fully restated herein.

SECTION 2. It is found and determined that all formal actions of Council concerning or relating to the passage of this Ordinance were adopted in an open meeting of the Council, and that all deliberations of this Council and any of its committees, that resulted in such formal actions, were in meetings open to the public in compliance with all legal requirements of the City of Perrysburg and the State of Ohio.

SECTION 3. This Ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health, and safety of the citizens of the City of Perrysburg, Wood County, Ohio, in order to avoid any confusion regarding rights, duties, and obligations with respect to the subject infrastructure, and

shall be in full force and effect from and immediately after its passage and approval by the Mayor.

President of Council

Mayor

PASSED: _____

ATTEST: _____

APPROVED: _____

Timothy W. Effler
LAW DIRECTOR

PAVEMENT AND DRAINAGE IMPROVEMENTS
FOR

COVENRITY POINTE PLAT FIVE RECORD DRAWINGS

CITY OF PERRYSBURG, WOOD COUNTY, OHIO

INDEX OF SHEETS

TITLE SHEET	1
GENERAL NOTES AND DETAILS	2-5
GENERAL NOTES AND SUMMARY	6
SITE GRADING PLAN	7
TYPICAL SECTION, INTERSECTION DETAILS & STREET SIGN PLAN	8
PLAN AND PROFILE	9
EXISTING BASIN DETAILS	10
CROSS SECTIONS	11-14
EPSC PLAN	15
EPSC NOTES AND DETAILS	16-18

BENCH MARK DATA

WOOD COUNTY BENCH MARK

MCO668 USGS SURVEY DISC IN CONCRETE MONUMENT SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE ROAD & FIVE POINT ROAD.
ELEVATION 650.10

SITE BENCH MARK #201

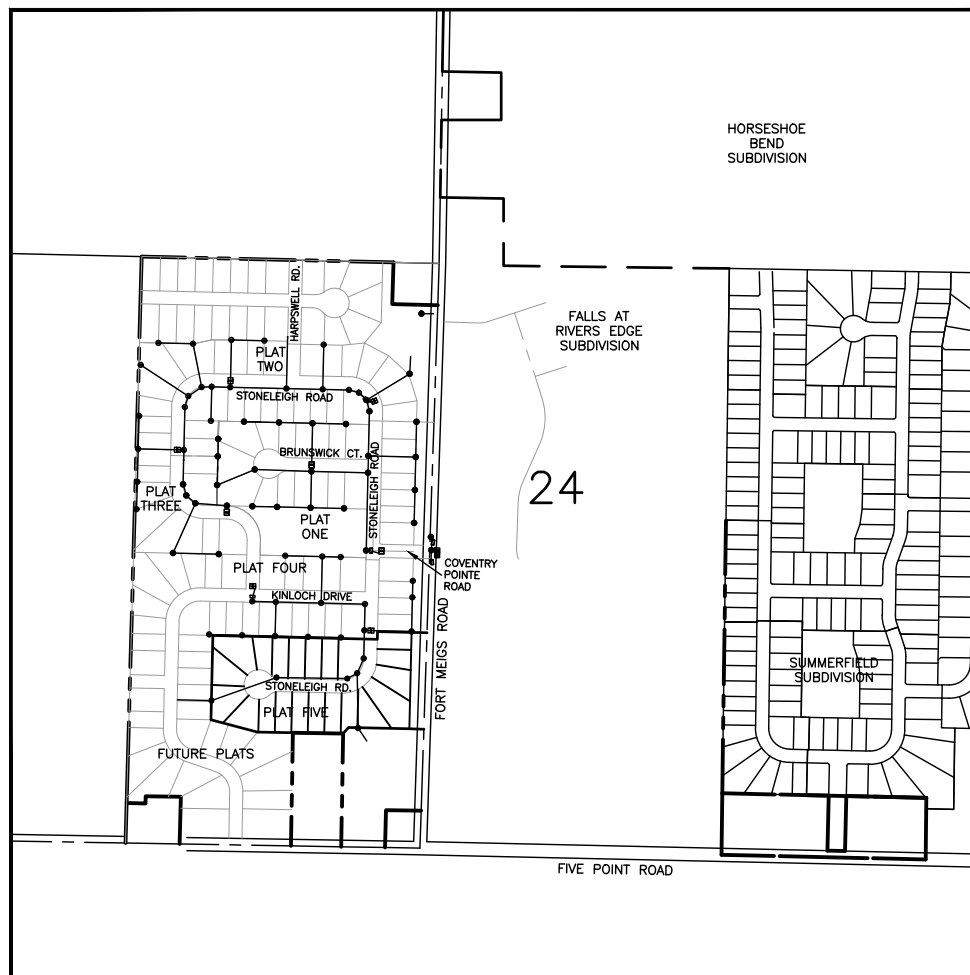
MAG NAIL SET IN WEST FACE OF 2ND POWER POLE SOUTH OF ROACHTON ROAD ON FORT MEIGS ROAD.
ELEVATION 651.45

SITE BENCH MARK #202

MAG NAIL SET IN WEST FACE OF 1ST POWER POLE NORTH OF FIVE POINT ROAD ON FORT MEIGS ROAD.
ELEVATION 653.08

CONVENTIONAL SIGNS

	PROPOSED	EXISTING
STORM SEWER		
SANITARY SEWER		
WATERLINE		
CENTERLINE		
SANITARY MANHOLE		
STORM MANHOLE		
CATCH BASIN		
YARD BASIN		
WATER VALVE IN MANHOLE		
HYDRANT		
TYPE B MONUMENT		



LOCATION MAP
SCALE: 1" = 400'
NORTH

STORMWATER FACILITIES WHICH ARE NOT LOCATED IN EASEMENTS OR THE PUBLIC RIGHT-OF-WAY SHALL BE PRIVATELY OWNED AND MAINTAINED. FAILURE TO MAINTAIN PRIVATELY OWNED STORMWATER FACILITIES MAY RESULT IN ENFORCEMENT ACTION.

STANDARD DRAWINGS

DWG. NO.	DESCRIPTION	DATE
RM-1.1	MONUMENT ASSEMBLY	1/20/23
BP-7.1	NEW CURB RAMPS	7/19/24
CB-2.4	CATCH BASIN	7/19/24

WOOD COUNTY

TYPE A AND B MONUMENT ASSEMBLY
CONCRETE CURB, TYPE A
MOUNTABLE CURB & GUTTER, TYPE F

SCALES

PLAN	1" = 50'
PROFILE, HORIZONTAL	1" = 50'
PROFILE, VERTICAL	1" = 5'
CROSS-SECTION, HORIZONTAL	1" = 20'
CROSS-SECTION, VERTICAL	1" = 5'

DRAINAGE APPROVED BY

CITY OF PERRYSBURG
DIRECTOR OF PUBLIC UTILITIES
MATTHEW P. CHOMA, P.E.
DATE: 2/17/25

PAVEMENT APPROVED BY

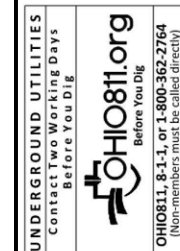
CITY OF PERRYSBURG
CITY ENGINEER
DIRECTOR OF PUBLIC SERVICE DESIGNEE
BRIAN A. THOMAS, P.E., P.S.
DATE: 2-14-25

DEVELOPED BY:

COVENTRY GLEN LTD.
3150 REPUBLIC BLVD.
SUITE 3
TOLEDO, OHIO 43615
PHONE: (419) 841-4831

NAME: AARON FELLER
DATE: 2/10/25

RECORD CONSTRUCTION 9/10/25



1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com



REV. NO.	REVISION	DATE

TITLE SHEET
PROJECT: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS
CITY OF PERRYSBURG, WOOD COUNTY, OHIO



SIGNED	
DATE	2/10/25
SCALE	AS NOTED
DATE	9.10.2025
DESIGNED: AMF	DRAWN: RSP
CHECKED: GNF	REVIEWED: GNF
PROJECT:	10-08869
DRAWING:	10-08869DPO5A1-AB
SHEET 1 OF 18	

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

HOH0811.org
Before You Dig
(Non-members must be called directly)

<p>1683 Woodlands Drive, Maumee, Ohio 43537 Maumee Phone: (419) 893-3680 Maumee Fax: (419) 893-2982 www.fellerfinch.com</p> <p>FellerFinch & ASSOCIATES, INC. Engineers • Surveyors</p>	<p>GENERAL NOTES AND DETAILS</p> <p>PROJECT: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS</p> <p>CITY OF PERRYSBURG, WOOD COUNTY, OHIO</p>
<p><small>© 2024 FELLER FINCH & ASSOC., INC.</small></p>	<p>RECORD CONSTRUCTION 9/10/25</p> <p>SHEET 2 OF 18</p>

PAVEMENT AND STORM SEWER SPECIFICATIONS

PART 1 GENERAL

1.1 SUMMARY

- A. Storm sewers, 60 inches in diameter and smaller.
- B. Pavement for local roads.
- C. Audio-DVD/CD taping of existing and new storm sewer interiors.

1.2 STANDARDS

- A. All materials and construction shall be in accordance with the Standards and Specifications of the City of Perrysburg (the City) Department of Public Service/Utilities, and/or the American Society for Testing and Materials (ASTM), and/or the Wood County Engineer, and/or the Ohio Department of Transportation (ODOT) Construction and Material Specifications (CMS). In case of conflict, City Standards and Specifications shall take precedence.
- B. All references to Standards and Specifications are to the latest edition, unless otherwise noted.
- C. The City's Pavement and Storm Sewer Standard Details apply to these specifications.

1.3 PRE-CONSTRUCTION MEETING, INSPECTION, AND PERMITS

- A. The Department of Public Utilities (419-872-8050), shall be notified seven calendar days prior to the beginning of actual construction.
- B. Any work within the City's public rights-of-way requires a Street Opening Permit which is obtained from the Departments of Public Utilities, at 211 East Boundary Street, 419-872-8050.
- C. All storm sewer installation and testing shall be inspected by the City or its representative.
- D. The City or its representative shall be present during all storm sewer TV inspection and taping.

1.4 DEFINITIONS

- A. Bedding: Material placed under, beside and directly over the pipe for the full width of the trench, from a depth of 4 inches below the outside bottom of the pipe barrel, when the pipe is laid on its final grade, up to a horizontal plane a distance of 12 inches above the top of the pipe barrel.

C:\Users\snommers\Desktop\11x17 storm specifications_revised_01-24-2017.docx

PAVEMENT AND STORM SEWER SPECIFICATIONS

2.4 BACKFILL

- A. Earth Backfill: Excavated earth material. Use finely divided material, free of stones 3 inches or greater in any dimension, to at least 3 feet above pipe top.
- B. Granular Backfill: ODOT Item 304, crushed limestone.
- C. Controlled Density Fill (CDF): A mixture of Portland cement, fly ash, and selected granular materials with a compressive strength of 100 psi; Kuhlman Corporation "K-Krete", or as approved.

2.5 LOCAL ROADS

- A. Asphalt Concrete Pavement:
 - 1. 1-1/2 inches ODOT Item 448, Type 1 (medium traffic) Surface Course, PG 64-22.
 - 2. 2 inches ODOT Item 448, Type 2 (medium traffic) Intermediate Course, PG 64-22.
 - 3. 10 inches ODOT Item 304, Aggregate Base (placed in 2 lifts).
 - 4. On aggregate base, apply ODOT Item 408 Prime Coat at rate of 0.35 gallons per square yard. Installation to be as directed by the City.
 - 5. ODOT Item 407, apply tack coat at the rate of 0.04 gallons per square yard to be placed between intermediate and surface courses and joints.
 - 6. Sealer for Contact and Mixing Surfaces and Joints: Comply with ODOT Items 401.14 and 401.17.
 - 7. Pavement Sealer: When requested by and as approved by the City.
- B. Concrete Driveways and Parking Areas:
 - 1. Pavement: ODOT Item 452 Non-Reinforced Portland Cement Concrete Pavement.
 - a. Commercial Drives: minimum 9 inch thick or match existing
 - b. Residential Drives: minimum 6 inch thick or match existing
 - 2. Reinforcement: Match existing.
 - 3. Hook Bolts:
 - a. Provide 5/8-inch hook or deformed bolts where new abuts existing.
 - b. Furnish and install at 30 inches center-to-center where new abuts existing longitudinally.
 - c. When thickness is less than 10 inches, as determined by the City, furnish and install at 20 inches center-to-center where new abuts existing transversely.
 - d. When thickness is greater than 10 inches, as determined by the City, furnish and install at 26 inches center-to-center where new abuts existing transversely.
- C. Concrete Curbs: ODOT Item 609.04; Class C concrete.

PART 3 EXECUTION

3.1 STORM SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 and the requirements of these specifications.
- B. Install concrete pipe within the maximum allowable depths (ground surface to invert) and the maximum allowable trench widths (at the top of the pipe) as specified in 1.8.B.
- C. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel, and the pipe is laid on its final grade to allow for bedding material.
- D. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and to 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the bedding stone (by hand).
- E. Install pipe at a minimum 10 feet horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the man as possible.

C:\Users\snommers\Desktop\11x17 storm specifications_revised_01-24-2017.docx

PAVEMENT AND STORM SEWER SPECIFICATIONS

1.9 SEWER INSPECTION SYSTEM REQUIREMENTS

- A. Camera:
 - 1. Capable of operation in 100 percent humidity conditions.
 - 2. Specifically designed and constructed for intended service.
 - 3. Resolution: 500 lines per inch; color image.
 - 4. Provided with built-in lighting system.
 - 5. Provide remote operation of lighting system and camera.
 - 6. Provide with pan and tilt rotating head capabilities.
 - 7. Footage Meter: Provide equipment with a footage meter so that the location of the camera and point of observation is known at all times.
- B. Monitor:
 - 1. Located inside mobile TV studio large enough to accommodate a minimum of four people to view the monitor at all times.
 - 2. Capable of providing a color picture.
- C. DVD/CD Recorder:
 - 1. Compatible with closed circuit TV to allow for direct recording during inspection.

PART 2 PRODUCTS

2.1 PIPE MATERIAL

- A. PVC Plastic Pipe and Fittings:
 - 1. ASTM D3034 (6" thru 15" pipe sewer at manufacturer's recommended depth).
 - 2. ASTM F679 (18" thru 21" pipe sewer at manufacturer's recommended depth).

C:\Users\snommers\Desktop\11x17 storm specifications_revised_01-24-2017.docx

2.2 MANHOLES AND CATCH BASINS

- A. Materials:
 - 1. Precast Concrete Sections: ASTM C478.
 - 2. Cast-in-Place Concrete: ODOT Class C concrete.
 - 3. Concrete Fill: ODOT Class F concrete.
 - 4. Rubber Gasket Joints: ASTM C443.
 - 5. Manhole Steps: ASTM C478.
 - 6. Castings: ASTM A48, Class 30B heavy duty gray iron.
 - 7. Mortar: ASTM C270, Type S with no masonry cement; compose using two parts Portland cement to two parts sand by volume.
 - 8. Stone Fill: Standard size number 67 stone or as otherwise approved.
 - 9. GROUT: Non-shrinking and non-corrosive: Five Star GROUT by Five Star Products, Inc.; Sealtight 588 GROUT by W.R. Meadows, Inc.; or as approved.
- B. Components:
 - 1. Bases: Integral or separate base riser and base slab; openings for pipe to be preformed or cored by manufacturer, with openings exceeding pipe outside diameter by more than 6 inches cause for rejection, provide transition sections when base is greater than 48 inches diameter.
 - 2. Walls: Vertical precast concrete riser sections with rubber gasket joints.
 - 3. Tops: Eccentric cone top section narrowing down to a minimum 3-inch high vertical neck with an inside diameter of not less than 24 inches and outside diameter not less than that of grade rings, except reinforced flat slab top for manholes and catch basins too shallow to accommodate a

2.3 BEDDING MATERIALS

- A. Granular: ODOT Item 703, Size No. 67 or No. 57 crushed limestone.
- B. Concrete Encasement: ODOT Class C concrete.

PAVEMENT AND STORM SEWER SPECIFICATIONS

3.2 CONNECTIONS TO STRUCTURES AND PIPES

- A. Connect new sewers to structures through stubs, wall castings, wall sleeves, etc. provided for same, or make an opening at the proper elevation in the wall of the structure, insert the pipe, and neatly and permanently close the opening around the pipe with grout.
- B. Make connections watertight.

3.3 SERVICE CONNECTIONS

- A. Provide for existing and future houses and businesses; minimum 6 inches in diameter unless otherwise shown; maximum two service connections per lateral, install at 1 percent slope.
- B. New pvc pipe sewers 27 inch diameter and less: connect to the main sewer by providing an appropriate sized manufacturer wye.

C:\Users\snommers\Desktop\11x17 storm specifications_revised_01-24-2017.docx

- 3. Operation of equipment shall be controlled from above ground.
- 4. The City shall have access to view monitor at all times.
- 5. Inspection shall include pipe sewers from manhole to manhole.
- 6. New sewers and existing sewers shall have its own separate DVD/CD and separate documentation.
- 7. Label new and/or existing accordingly for all documentation.

1.7 RESTORATION

- A. All existing features that are disturbed due to construction activities, such as mailboxes, shrubs, bushes, guardrails, pavement markings, swales, sewers, catch basins, curbs, seeded areas, etc., shall be replaced to their original condition, unless otherwise specified, in accordance with current ODOT specifications and to the satisfaction of the City. Existing survey monuments, bench marks, property corner points, and control points damaged or disturbed by construction shall be replaced by a registered land surveyor, licensed in the State of Ohio.
- B. Restoration of street openings shall be in accordance with the City's Standard Street Opening Repair Details.
- C. In existing streets, provide a temporary pavement upon completion of backfilling operations and maintain same until the permanent pavement can be placed. Temporary pavement shall be a minimum 2-inch thick asphalt concrete mix in accordance with ODOT Item 614.13.
- D. Regrade and reshape all road shoulders and all ditches and swales from existing high points to existing drainage structures or other outlets along the proposed improvement. Ditches which are reshaped shall have reasonable side slopes. Vertical or steep slopes will not be permitted.
- E. Seed all disturbed earth areas using the hydroseed method or placement of sod, both seed mixture and sod type shall be as approved by the City.

1.6 QUALITY ASSURANCE

- A. Pipe Sewers, Manholes and Appurtenances:
 - 1. The manufacturer shall furnish an affidavit indicating that all pipe, fittings, manholes, catch basins and appurtenances have been manufactured and tested in accordance with the requirements of the applicable referenced Standards. A copy of the affidavit, indicating the project on which the material is to be used, shall be forwarded to the City prior to construction.
 - 2. All pipes, fittings, manholes, catch basins, and appurtenances shall be appropriately marked for identification purposes. The materials and methods of manufacture, and completed pipes, fittings, manholes, catch basins, and appurtenances shall be subject to inspection and rejection at all times. The City has the right to make inspections.
- B. Pipe Sewer Inspection:
 - 1. Contractor shall have a minimum of 5 years experience in inspection of pipeline sewers in addition to TV-DVD/CD and summary reports.
 - 2. Perform Work in accordance with the latest standards for TV-DVD/CD recording procedures.

1.8 DESIGN REQUIREMENTS

- A. PVC Plastic Pipe and Fittings: Sewers 36 inch in diameter and smaller shall be of PVC plastic pipe and fittings, or other material as approved by the City.
- B. Concrete Pipe and Fittings: Sewers greater than 36 inch in diameter shall be Reinforced Concrete Pipe (RCP). ASTM C76 of Classes noted on Drawings, aggregate and socket pattern, pipes of greatest lengths commercially available; ASTM C443 rubber gasket joints with gasket confined in a groove. Branches on fittings in the main line for connections shall be of the same material and incorporate joints as specified for the type of pipe which will be connected. Branches shall be cast with the concrete pipe by the pipe manufacturer and shall not be done in the field; cone section; design flat slab tops to withstand H-20 traffic loading and submit design calculations to the City upon request. Provide grade rings for a minimum height of 4 inches and a maximum height of 12 inches as required to set castings at proper elevation; ring inside diameter equal to the top section access opening, and outside diameter not less than the outside diameter of the casting frame.
- 4. Manhole Steps: Aluminum or reinforced polypropylene.
- 5. Rear Yard catch Basin: ASTM C14, class 2 Non-reinforced concrete pipe with knockouts as indicated.
- 6. Manhole and Catch Basin Frames and Covers or Grates:
 - a. Manhole Frame and Cover: East Jordan Iron Works, Inc. (EJWI) Catalogue 1040 with solid lid type B or as approved; machined surface, frame with 24 inch diameter clear opening, and 7 inch height. Lids to have "CITY OF PERRYSBURG, OHIO" - "STORM" cast into top.
 - b. Manhole and/or Catch Basin Flat Frame and Grate: East Jordan Iron Works, Inc., Catalogue No. 1040 frame with Type M1 flat grate, or as approved; machined surface, frame with 24 inch diameter clear opening and 7 inch height.
 - c. Catch Basin Inlet Frame and Grate in Roll Curb: Neenah Foundry Company, R-3501 inlet for roll type curb, or as approved; inlet grate shall be either TR (flow right) or TL (flow left) as required for each application and shall conform to contour of curb section.
 - d. Catch Basin Inlet Frame and Grate in Straight Face Curb and Gutter: Neenah Foundry Company, R-3274A curb box with Type C grate, or as approved; curb box to conform to contour of curb section; picture of a "FISH" and "DUMP NO WASTE" - "DRAINS TO RIVER" cast into top of curb box; provide flat curb plate as required; complete with anchor bolts for embedment in concrete curb.
 - e. Catch Basin Frame and Convex Grate in Front Lawn Area: Neenah Foundry Company, R-1943 with Type B standard convex grate, or as approved; machined surface, frame with 24 inch diameter clear opening, and 7-1/2 inch height.
 - f. Catch Basin Frame and Grate in Rear Lawn Area: Neenah Foundry Company, R-5901-E frame with R-2564 grate, or as approved.

C:\Users\snommers\Desktop\11x17 storm specifications_revised_01-24-2017.docx

2.6 MONUMENT ASSEMBLY (IN PAVED AREAS)

- A. Neenah Foundry Company, R-1978-A2 with bolted lid.

2.7 CURB RAMP DETECTABLE WARNING TRUNCATED DOMES

- A. Materials:
 - 1. Follow current ODOT Specifications 712.14 as modified herein.
 - 2. Truncated Domes: Shall consist of cast-in-place reinforced polymer composite tiles.
 - 3. Material supplied shall be red color, and installed by pressing tiles into place in the freshly poured concrete.
 - 4. Material supplied and installed shall meet ODOT Standard Drawings and current approved products as listed at: <http://www.dot.state.oh.us/Divisions/Engineering/Roadways/DesignStandards/roadway/Pages/Approved%20Products.aspx> (DETECTABLE WARNING)
- B. Concrete: ODOT Class C.

2.8 DETECTABLE WARNING TRUNCATED DOMES

- A. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in maximum 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.
- G. The top 5 feet of the trench shall be backfilled with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in maximum 12-inch loose layers and mechanically compact to not less than 100 percent of the maximum dry unit weight as determined in accordance with ASTM D698 (Standard Proctor), except where CDF is indicated on the Drawings.
- H. For trenches within 5 feet from the edge of existing and proposed paved or stoned streets, alleys, and parking areas, backfill with compacted granular material as specified above for trenches coming within same.

PART 3 EXECUTION

3.1 STORM SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 and the requirements of these specifications.
- B. Install concrete pipe within the maximum allowable depths (ground surface to invert) and the maximum allowable trench widths (at the top of the pipe) as specified in 1.8.B.
- C. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel, and the pipe is laid on its final grade to allow for bedding material.
- D. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and to 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the bedding stone (by hand).
- E. Install pipe at a minimum 10 feet horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the man as possible.

C:\Users\snommers\Desktop\11x17 storm specifications_revised_01-24-2017.docx

3.2 MANHOLES AND CATCH BASINS

- A. All manholes and catch basins shall be installed without sumps or traps.
- B. Install base with top surface level; install on cushion of approved compacted granular material, minimum of 3 inches thick.

3.3 SEWER INSPECTION

- A. Preparation:
 - 1. Upon successful completion of all testing verify with the City new and existing sewers to be TV inspected.
 - 2. Flush and clean sewer interiors to remove sludge, dirt, sand, stones, grease, debris, and other materials from the pipe to ensure clear view of interior conditions.
 - 3. Contractor shall intercept debris at downstream manhole, remove and disposed at an approved location off-site. Provide written documentation to the City indicating disposal site location.
 - 4. Provide materials, labor, equipment, power, and maintenance to implement a temporary by-pass pumping system around the work area for time required to complete TV inspection.
 - 5. Coordinate with the City proposed time and duration of by-pass pumping.
- B. Closed-Circuit TV (CCTV) Camera System:
 - 1. Use equipment specifically designed and constructed for closed-circuit sewer inspection.
 - 2. Utilize camera with pan and tilt capabilities to view entire sewer and each lateral connection at multiple angles.
 - 3. Provide appropriate and artificial lighting as required to enhance the quality of the inspection.
 - 4. Use equipment capable of traveling upstream and downstream.
- C. Inspection Operations:
 - 1. The camera shall be moved through the pipe sewer in either direction at a moderate rate (at no time shall the speed be greater than 30 feet per minute).
 - 2. The camera shall be stopped when necessary to permit proper documentation of the sewer's condition.
 - 3. All service connections and inlets shall be noted on the tape.
 - 4. Manual winches, power winches, TV cable and powered reels or other devices that do not obstruct the camera view or interfere with proper documentation of the sewer conditions shall be used to move the camera through the sewer lines.
 - 5. When manually operated winches are used to pull the television camera through the sewer, telephones or other suitable means of communication shall be set up between the two manholes on the section being inspected to insure good communications between members of the crew.
 - 6. Documentation made during inspection operations must conform to the following guidelines:

3.4 CONNECTIONS TO STRUCTURES AND PIPES

- A. Connect new sewers to structures through stubs, wall castings, wall sleeves, etc. provided for same, or make an opening at the proper elevation in the wall of the structure, insert the pipe, and neatly and permanently close the opening around the pipe with grout.
- B. Make connections watertight.

C:\Users\snommers\Desktop\11x17 storm specifications_revised_01-24-2017.docx

P:\Projects\1088699 Coventry Pointe\10-088699DPO5A1-AB.dwg, 2. 9/10/2025 11:28:07 AM, rpawicki

PAVEMENT AND STORM SEWER SPECIFICATIONS

- a. Meet minimum standards for CCTV inspection of sewers as prepared by the National Association of Sewer Service Companies (NASSCO).
 - b. Log Sheet: A written log sheet must accompany each DVD/CD.
 - c. For new sewers, Contractor shall utilize and make reference to manhole numbering as shown and indicated on the project Drawings.
 - d. For existing sewers, Contractor shall prepare and provide a map indicating manhole numbering.
 - e. Reference to new and existing manhole numbers on the DVD/CD, summary report, and pictures shall be consistent with the numbering sequence on the Drawings and on the map provided by Contractor.
- 3.6 LOCAL ROADS (UNLESS OTHERWISE APPROVED OR DIRECTED)
- A. Prepare subgrade in accordance with ODOT Item 203. Where it is necessary to construct pavement subgrade in fill, remove the existing topsoil beneath the proposed subgrade.
 - B. Asphalt Concrete Pavement:
 1. ODOT Item 304; construct a 10-inch thick aggregate base in two equal lifts.
 2. ODOT Item 408; apply prime coat at the rate of 0.35 gallons per square yard to the aggregate base. Installation to as be directed by the City.
 3. ODOT Item 448; construct a 2-inch thick asphalt concrete intermediate course.
 4. ODOT Item 448; construct a 1-1/2-inch thick asphalt concrete surface course.
 5. ODOT Item 407; apply tack coat at the rate of 0.04 gallons per square yard to be placed between intermediate and surface course and joints.
 6. Pavement sealer; apply as instructed by manufacturer.
 - C. Concrete Driveways and Parking Areas: ODOT Item 452.
 - D. Concrete Curbs: ODOT Item 609.04 Type 2 Combination Curb and Gutter or Type 6 Curb.
 - E. Pipe Underdrains: ODOT Item 605.03, and as shown on ODOT Standard drawing DM-1.2 and approved Drawings.
- 3.7 MONUMENT ASSEMBLY (IN PAVED AREAS)
- A. Place Type C monuments in accordance with ODOT Item 604, and Standard Construction Drawing RM-1.1.
- 3.8 CURB RAMP DETECTABLE WARNING TRUNCATED DOMES
- A. Material to be supplied shall meet ODOT's Office of Roadway Engineering Services Truncated Domes Approved List.

- B. Installation shall be in accordance with ODOT's latest Standard Construction Drawings for New Curb Ramps (with Truncated Domes) BP-7.1 and Retrofitted Curb Ramps BP-7.2.
 - C. All curb ramps/retrofitted curb ramps shall include new ODOT Class C concrete where truncated dome material is to be installed.
 - D. The City will approve proposed material to be installed.
- 3.9 FIELD QUALITY CONTROL
- A. The City may check compaction of the bedding and backfill at any time.
 - B. All testing shall be in the presence of the City or its representative.
 - C. For compacted bedding and backfill in trenches and for concrete work, the City may require the employing a testing laboratory to make tests on Site.
 1. The City will pay for required testing that meets the City bedding and backfilling specifications.
 2. Contractor shall pay for any retesting required to meet specifications.
 - D. Deflection Test:
 1. Test 8-inch diameter and larger PVC plastic pipe for a maximum deflection of 5 percent not less than 30 days after final full backfill has been placed, as determined by the City.
 2. Conduct deflection tests with a representative of the City present.
 3. Repair or replace pipes exceeding a deflection of 5 percent and then retest until satisfactory test results are obtained. Retesting shall not take place prior to 30 days after the pipe repair/replacement and backfill have occurred. For sewers requiring retesting for deflection and previously tested for leakage, upon obtaining satisfactory deflection test results, retest the affected sewer section for leakage.
 4. Conduct tests by pulling an approved deflection probe, having a diameter not less than 95 percent of the base inside diameter or average inside diameter of the pipe depending on which is specified in the ASTM Specification, including the appendix, to which the pipe is manufactured, through the sewer line without mechanical pulling devices. Have a proving ring with an inside diameter equal to the outside diameter of the probe available at the time the probe is used to verify that the probe has the proper diameter by inserting the probe into the ring. The pipe shall be measured in accordance with ASTM D2122.
 5. Deflection Probe: By Wortco, Inc., Burke Concrete Accessories, Inc., or as approved; designed specifically for testing the deflection of the type and size of pipe subject to test, and complying with the following:

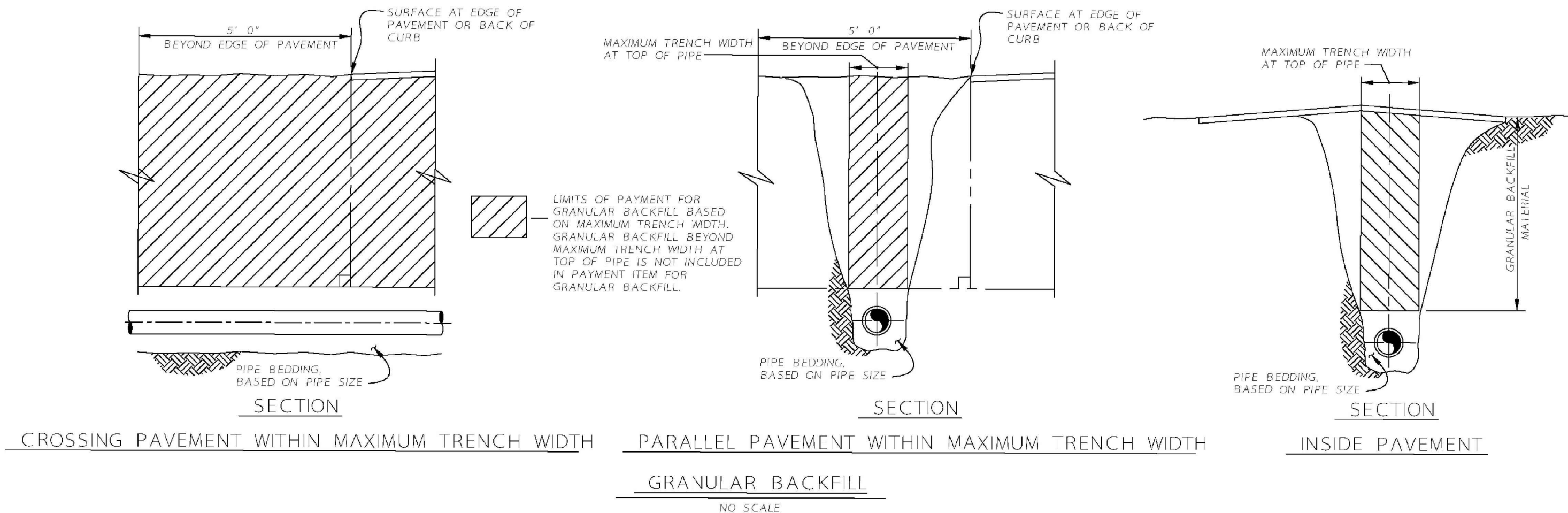
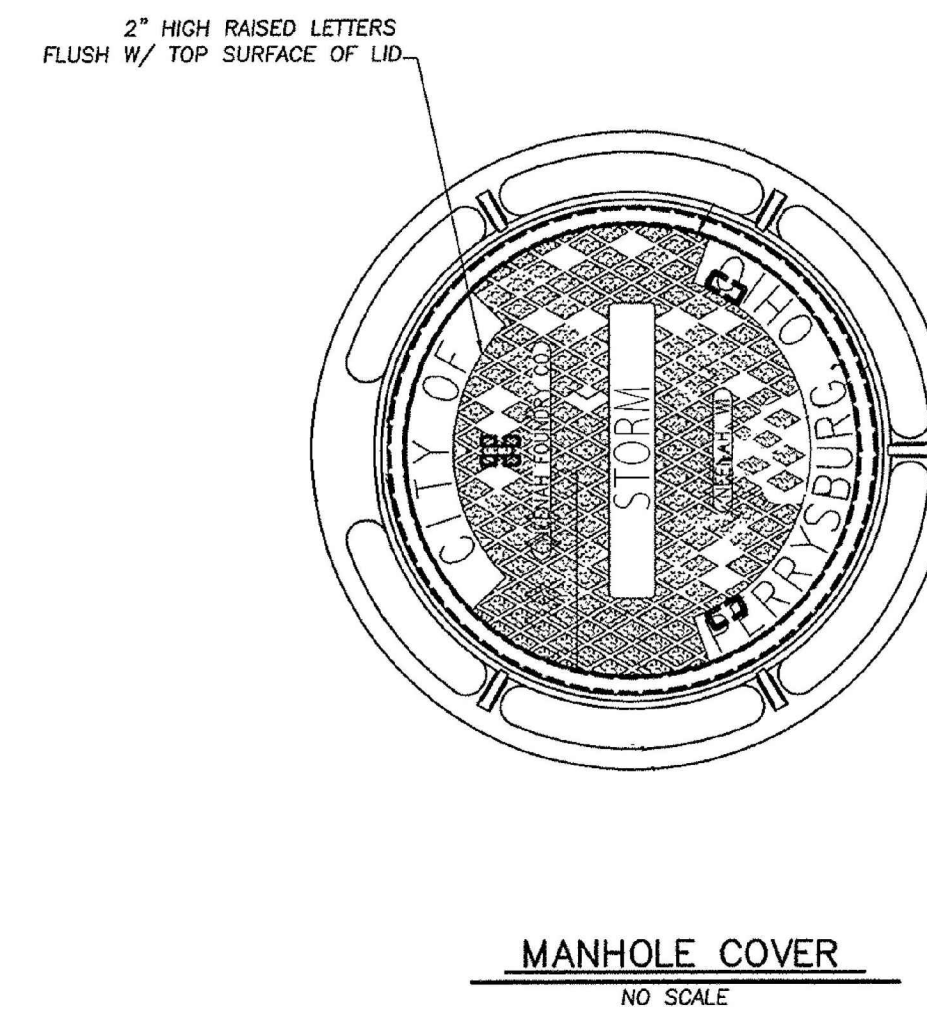
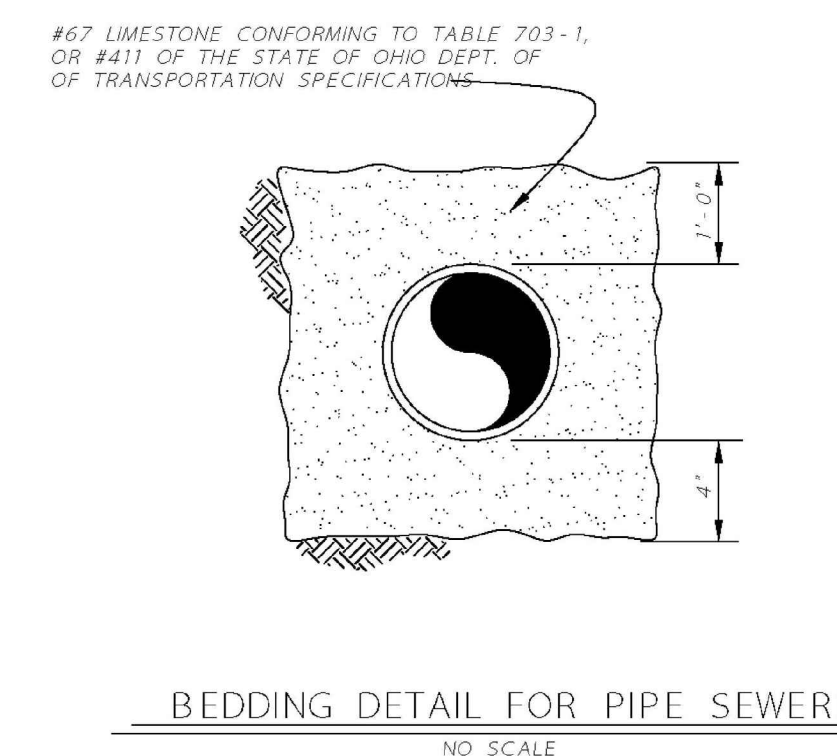
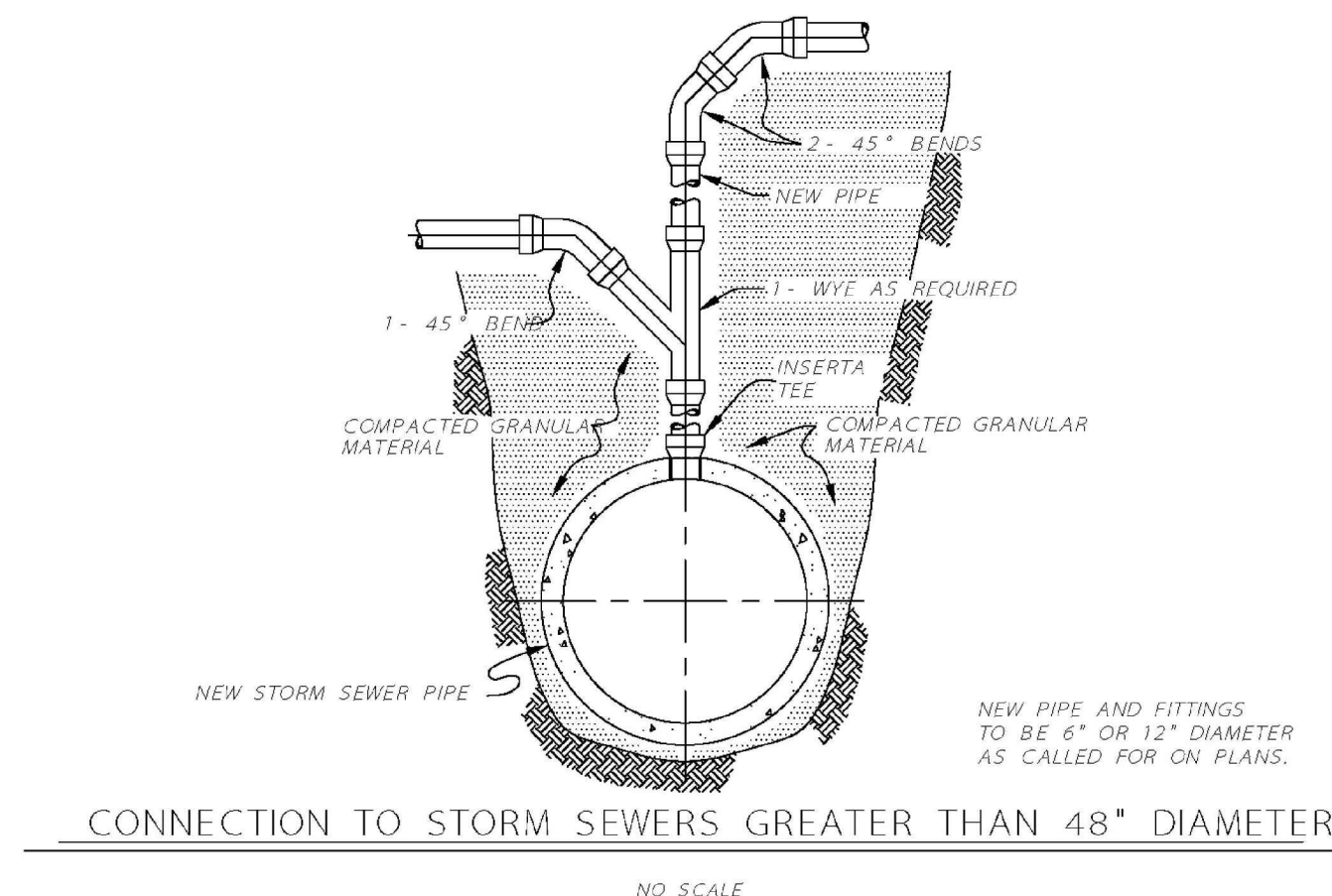
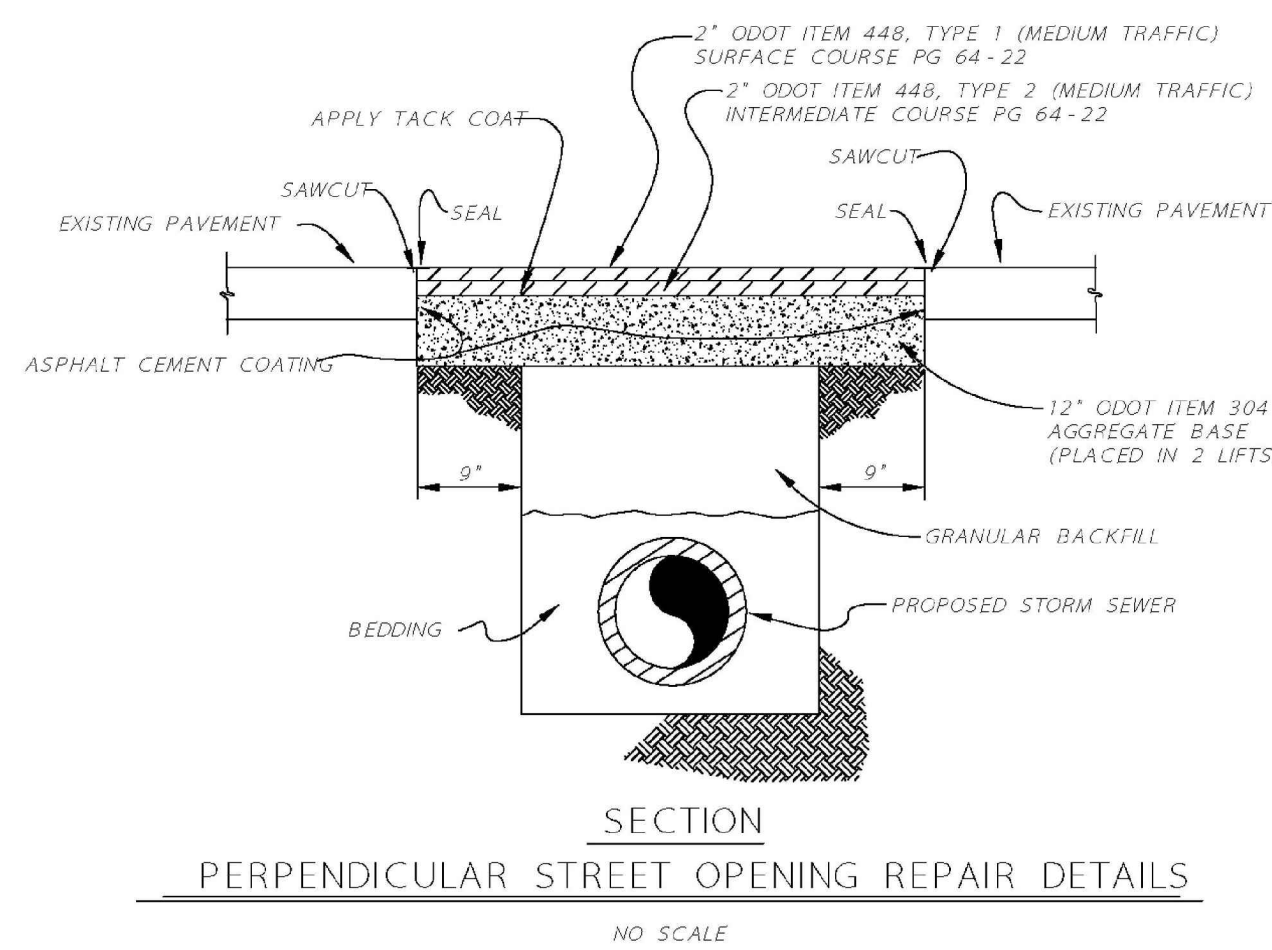
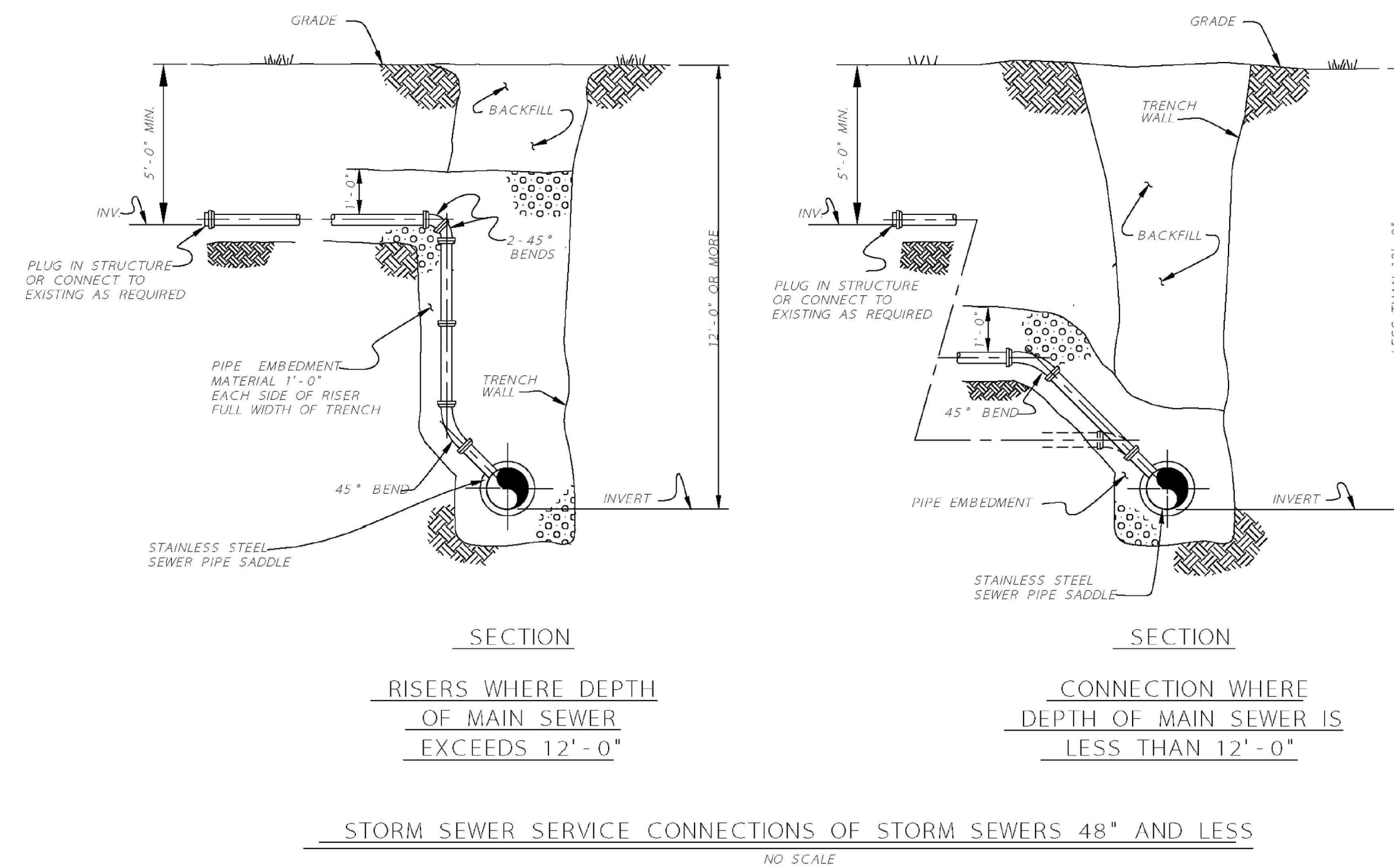
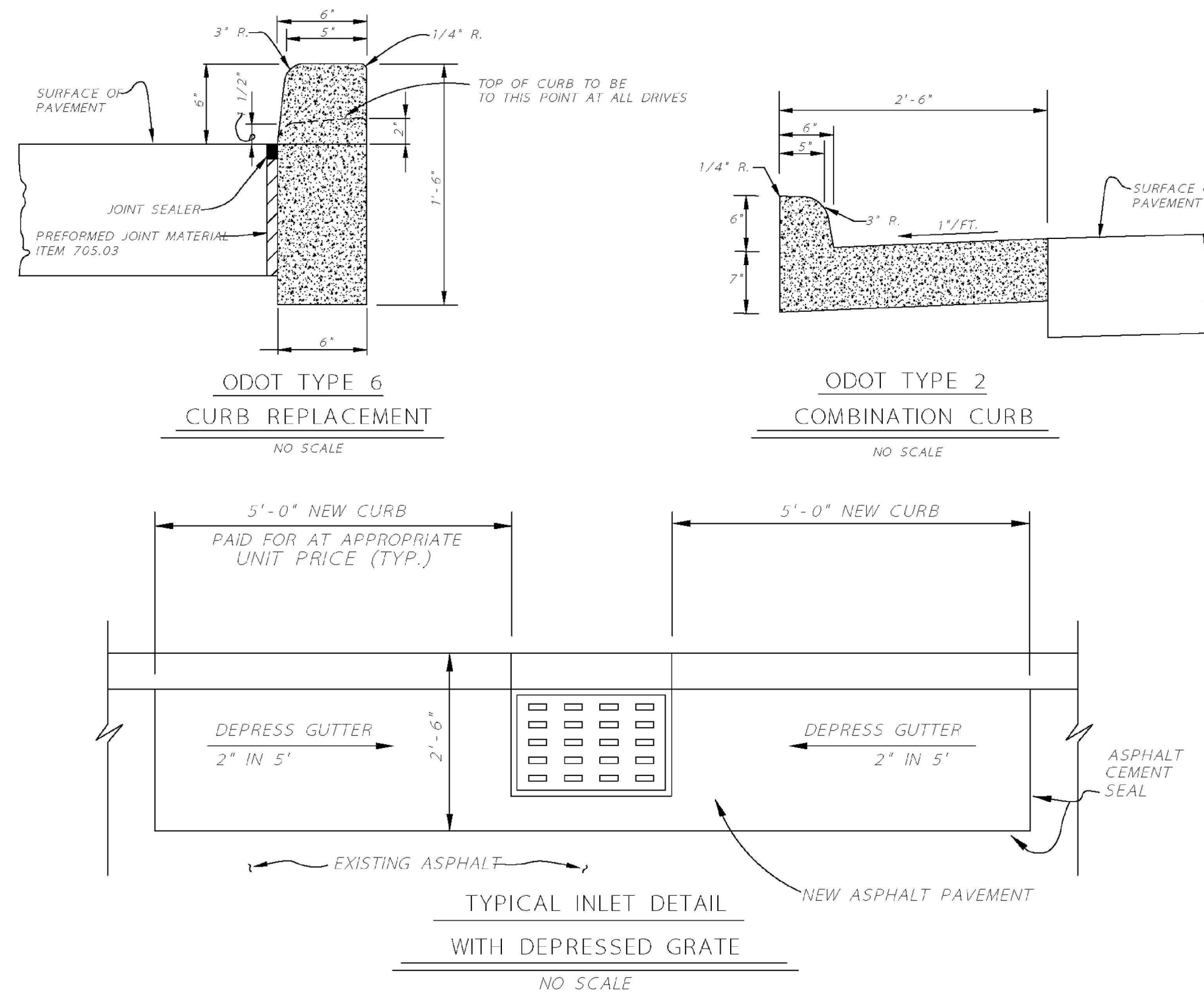
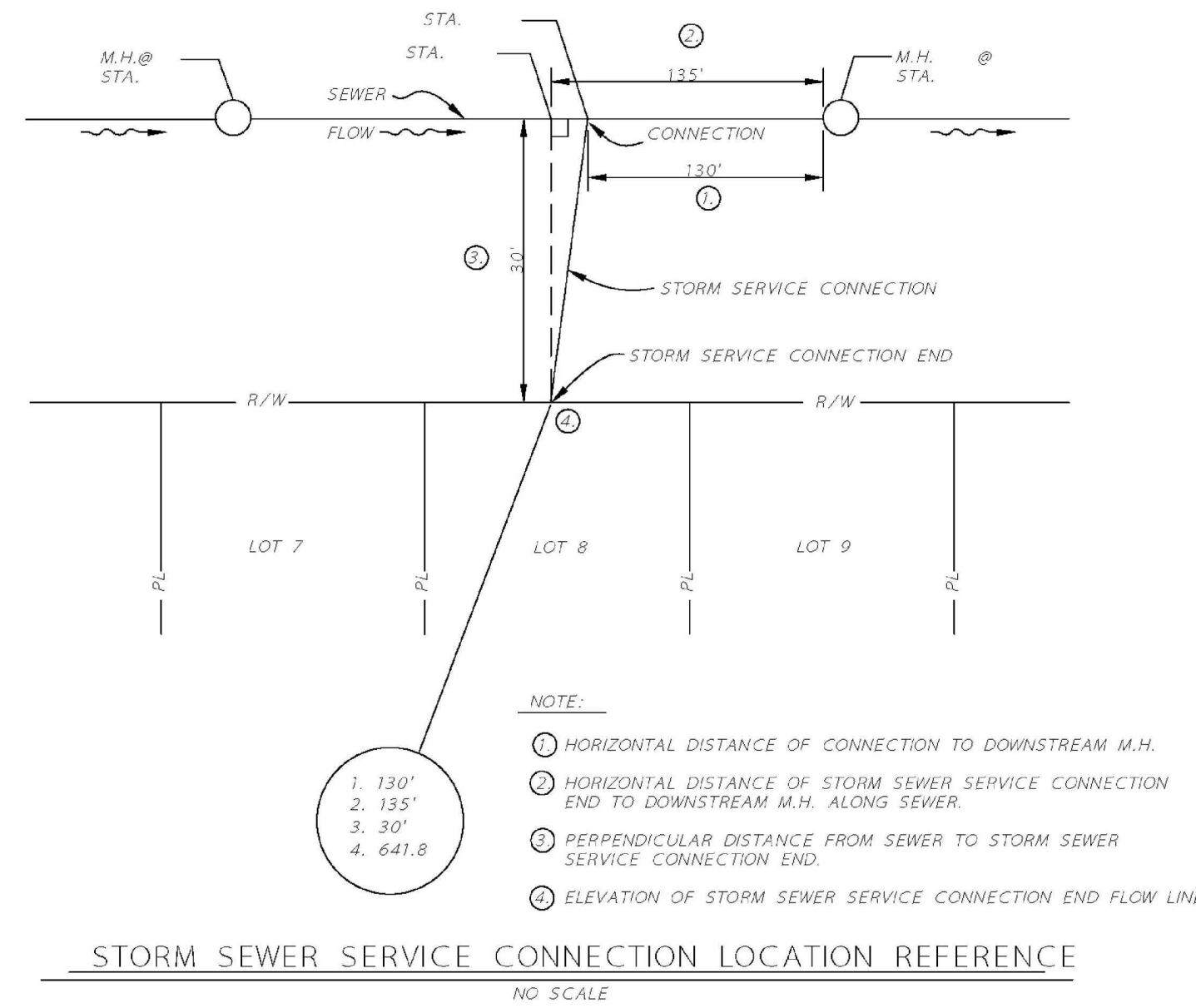
- 3.10 MAINTENANCE OF TRAFFIC
- A. Two-way traffic shall be maintained at all times on dedicated roads. If construction along dedicated roads interferes with traffic, Contractor shall provide two flaggers and other traffic control devices in accordance with the latest edition of the Ohio Manual of Uniform Traffic Control Devices.
- a. Odd number (no less than 9) of 1/2 inch by 3/16 inch bar stock runners equally spaced on edge around and welded to the circumference of two minimum 1/4 inch thick circular steel plates.
 - b. Distance between plates, out-to-out, of not less than 2 inches smaller than the nominal diameter of the pipe to be tested, with runners extending approximately 1-1/2 inches beyond each plate being bent inward for this distance at approximately 30 degrees.
 - c. Continuous 3/4-inch threaded rod through the center of the plates, having a hex nut drawn tight against the inside face of each plate, and extending each side as required for providing a 3/4-inch ferrule loop insert or similar piece for attaching the pulling medium.

C:\Users\insommers\Desktop\11x17 storm specifications_revised_01-24-2017.docx

<p>UNDERGROUND UTILITIES Contact Two Working Days Before You Dig</p> <p>OHIO811.org Before You Dig</p> <p>OHIO811, 8-1-1, or 1-800-362-2764 (Non-members must be called directly)</p>	<p>FellerFinch & ASSOCIATES, INC. Engineers • Surveyors</p> <p>1683 Woodlands Drive, Maumee, Ohio 43537 Phone: (419) 893-3680 Fax: (419) 893-2982 www.fellerfinch.com</p>	
<p>GENERAL NOTES AND DETAILS</p> <p>COVENTRY POINTE PLAT FIVE RECORD DRAWINGS</p> <p>CITY OF PERRYSBURG, WOOD COUNTY, OHIO</p>		
<p>TITLE:</p> <p>PROJECT:</p>		
<p>SIGNED _____</p> <p>DATE _____</p> <p>SCALE: AS NOTED</p> <p>DATE: 9.10.2025</p> <p>DESIGNED: AMF DRAWN: RSP</p> <p>CHECKED: GNF REVIEWED: GNF</p> <p>PROJECT: 10-08869</p> <p>DRAWING: 10-08869DPO5A1-AB</p>	<p>REV. NO.</p> <p>REVISION</p> <p>DATE</p>	
<p>© 2024 FELLER FINCH & ASSOC., INC.</p>		
<p>SHEET 3 OF 18</p>		

RECORD CONSTRUCTION 9/10/25

P:\Projects\10E08869 Coventry Pointe_Dwg\10-08869DPO5A1-AB.dwg, 3, 9/10/2025 11:28:12 AM, r.pawlicki



REVISED
08/23/2015

PAVEMENT AND STORM SEWER STANDARD DETAILS
 CITY OF PERRYSBURG, OHIO
 DEPARTMENT OF PUBLIC SERVICE
 DIVISION OF WATER POLLUTION CONTROL

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig
 OHIO811.org
 Before You Dig
 OHIO811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors

REV. NO.	REVISION	DATE

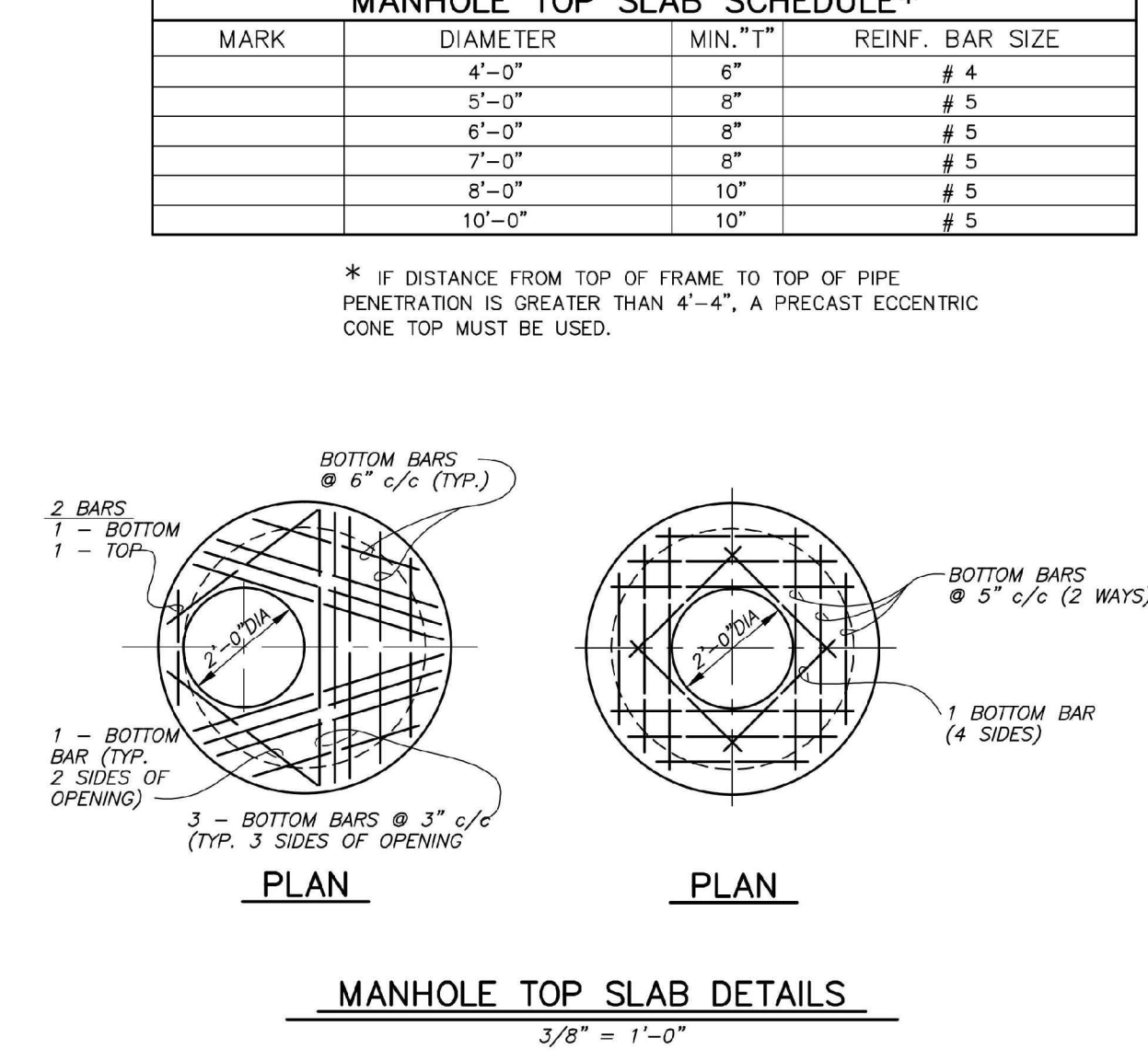
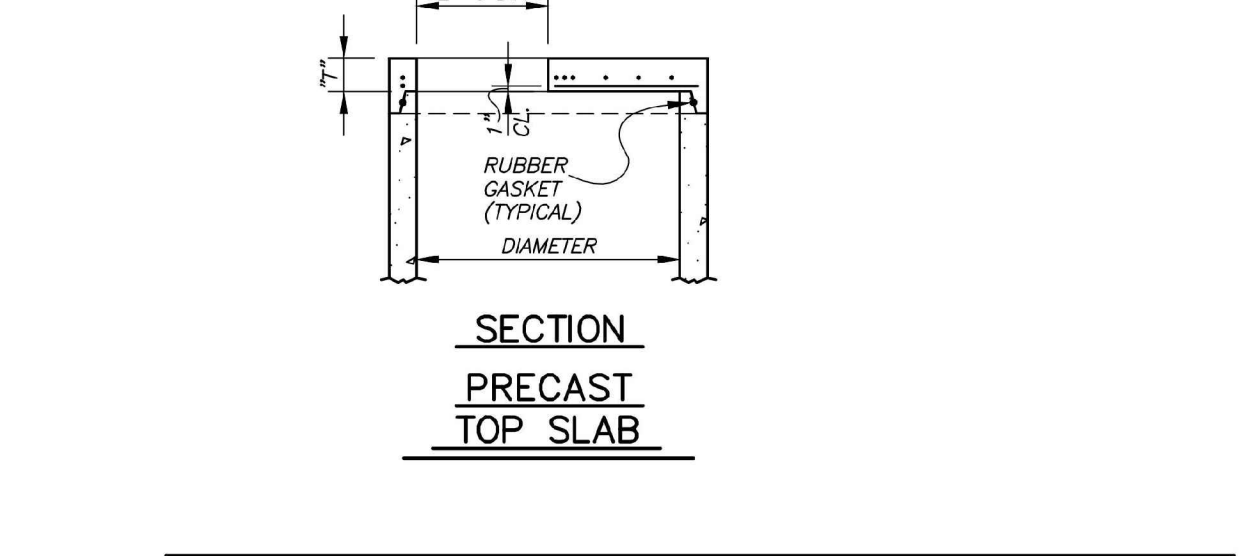
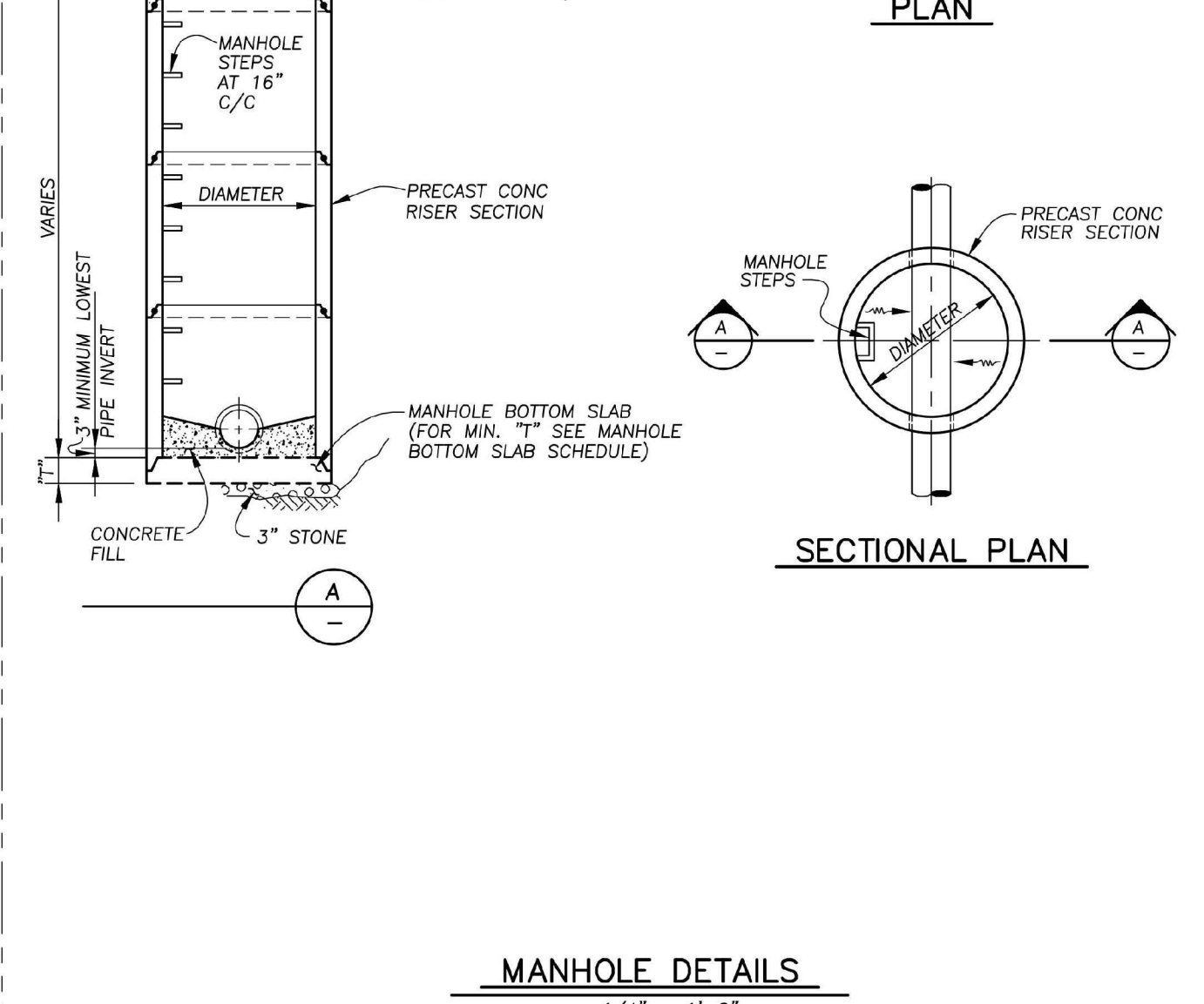
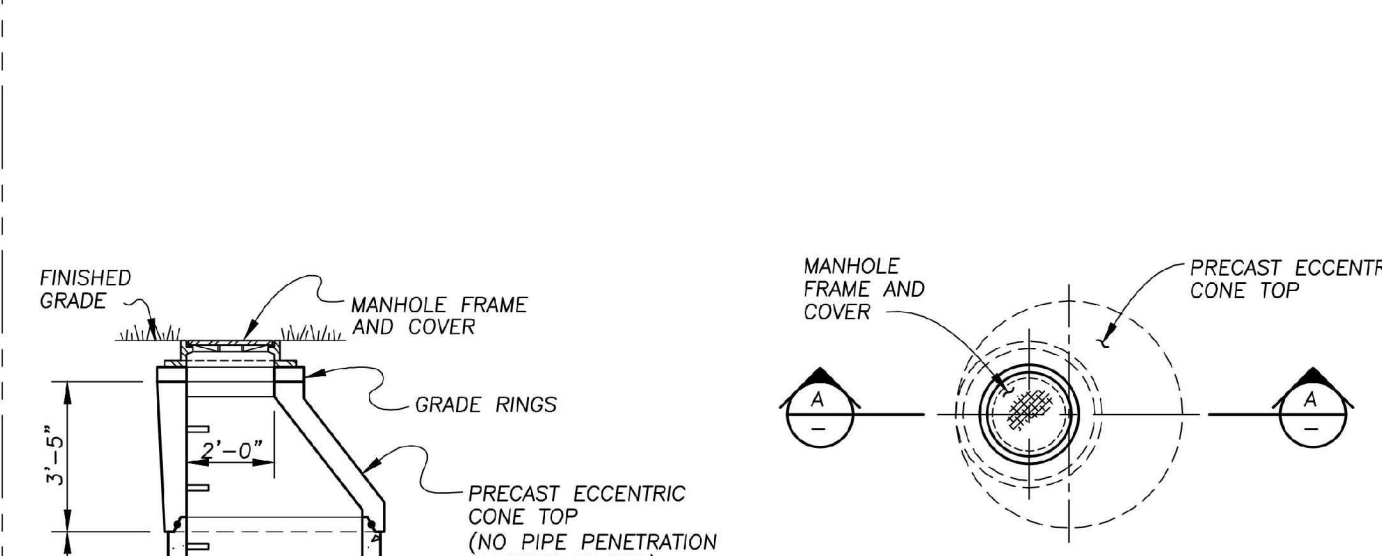
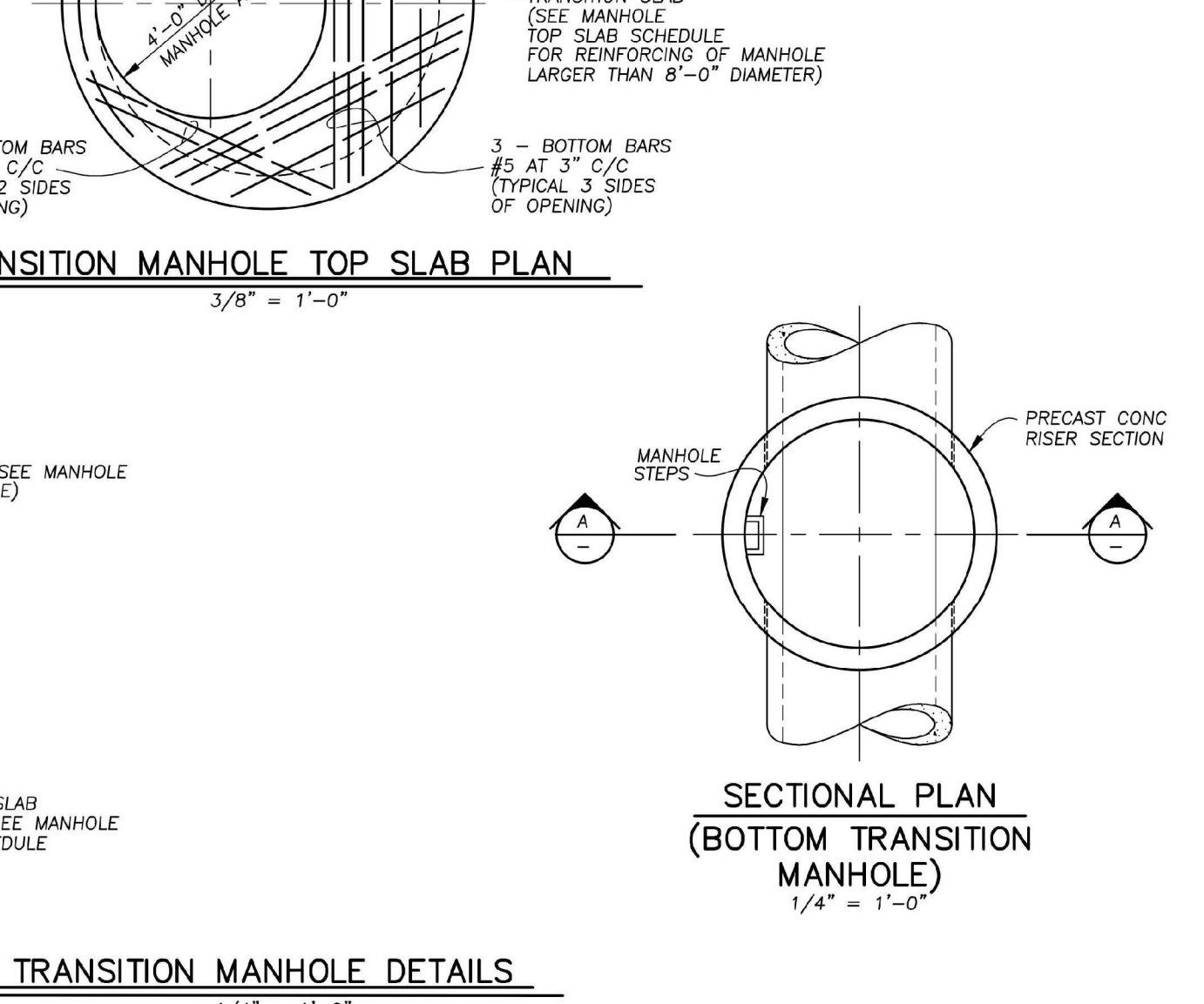
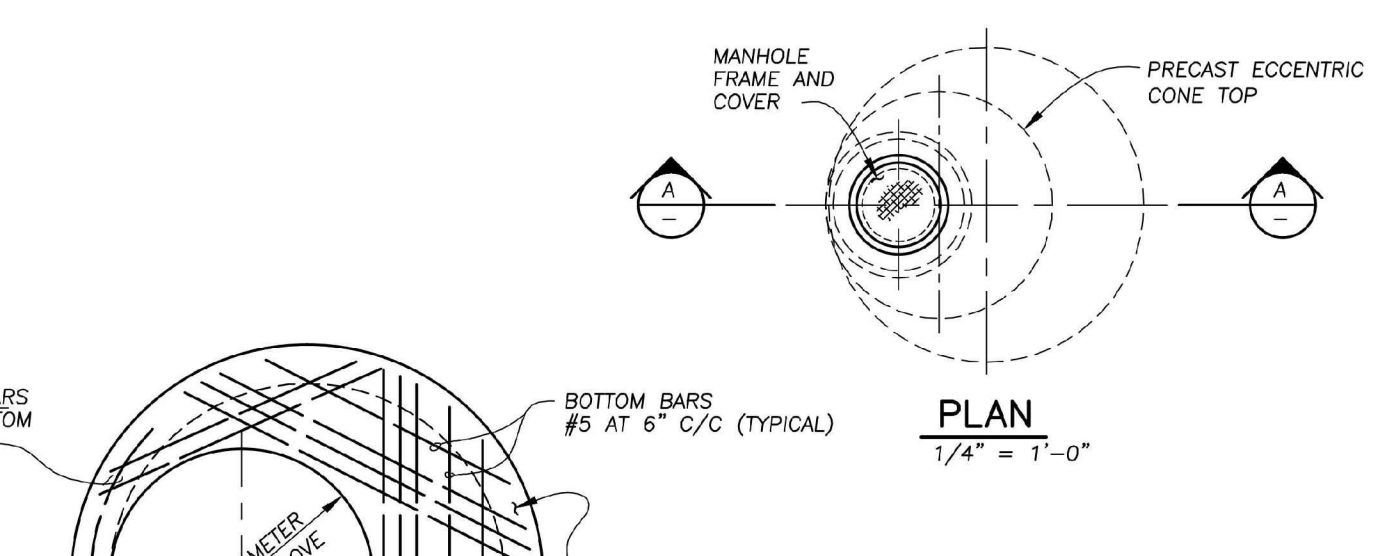
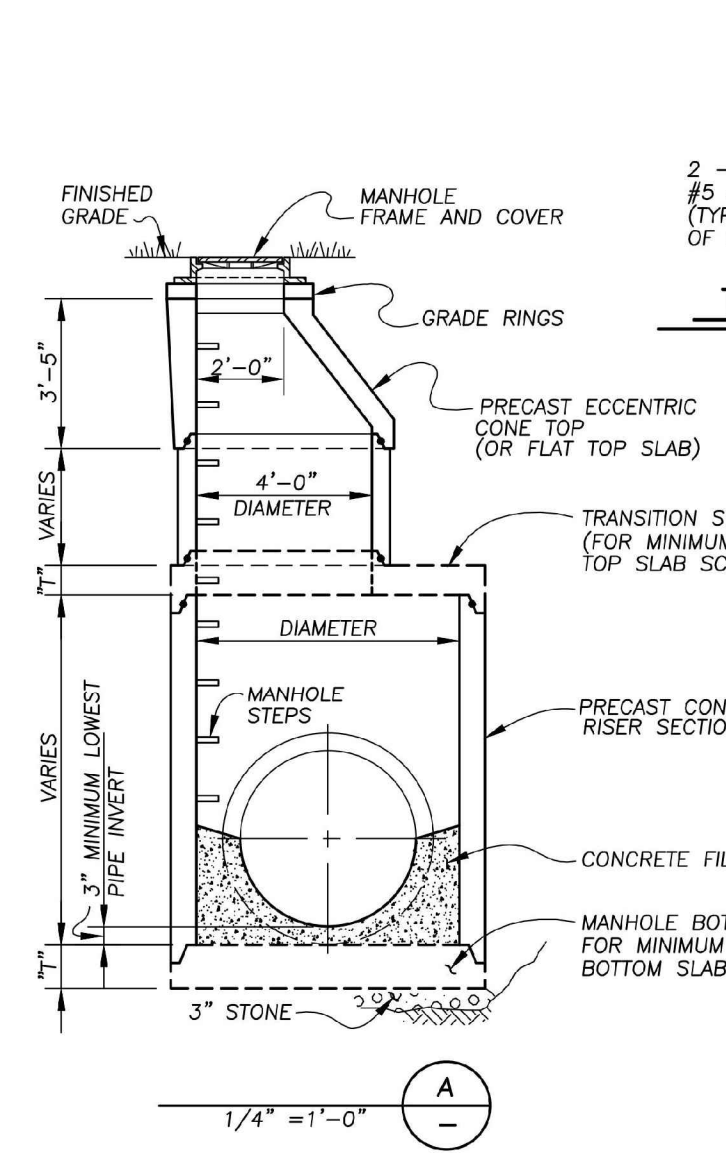
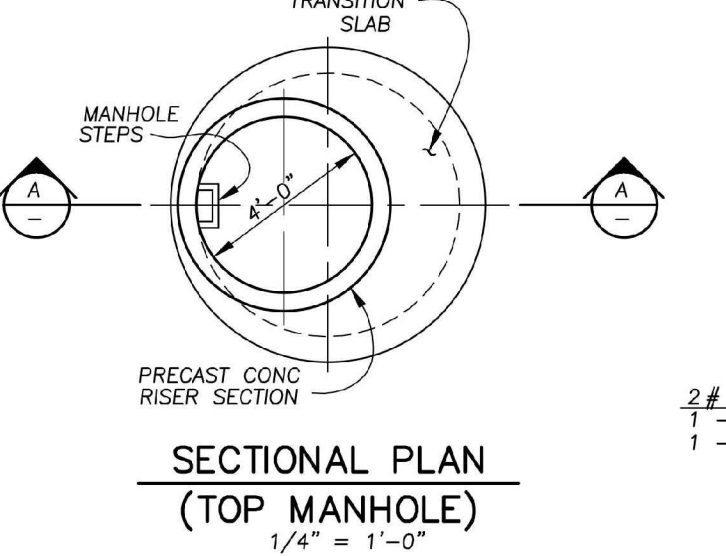
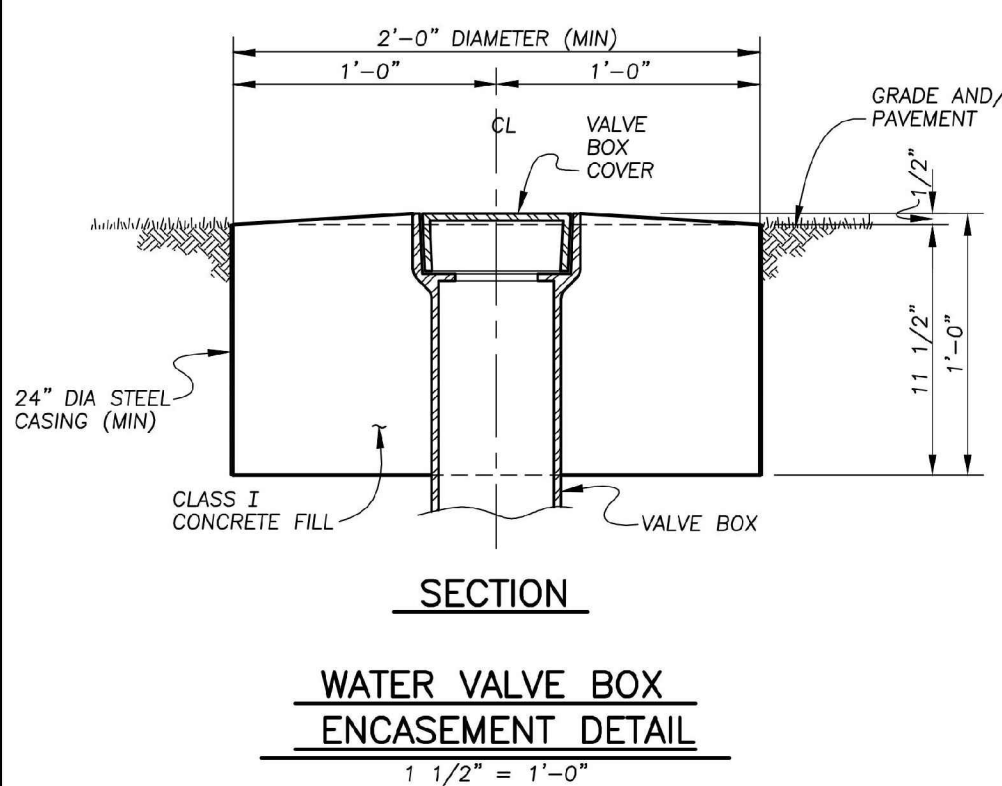
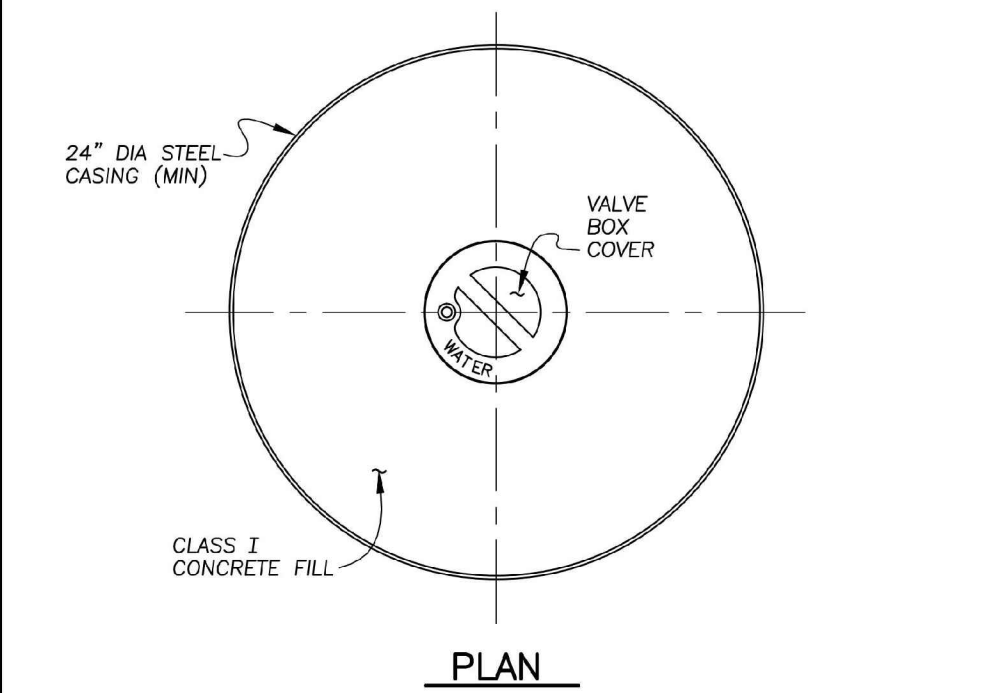
GENERAL NOTES AND DETAILS

PROJECT: COVENRY POINTE PLAT FIVE RECORD DRAWINGS
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED
 DATE
 SCALE: AS NOTED
 DATE: 9.10.2025
 DESIGNED: AMF DRAWN: RSP
 CHECKED: GNF REVIEWED: GNF
 PROJECT: 10-08869
 DRAWING: 10-08869DPO5A1-AB

SHEET 4 OF 18

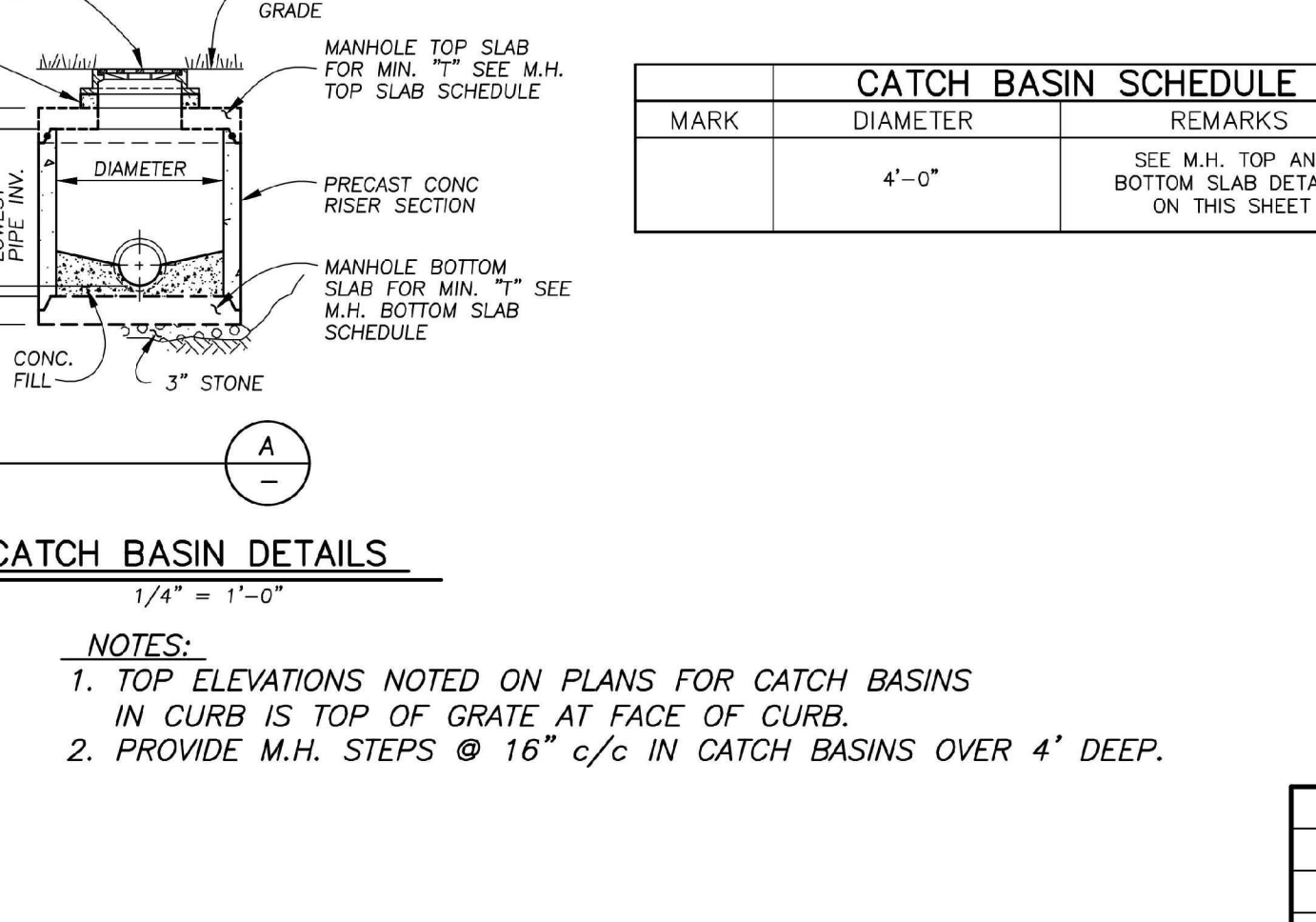
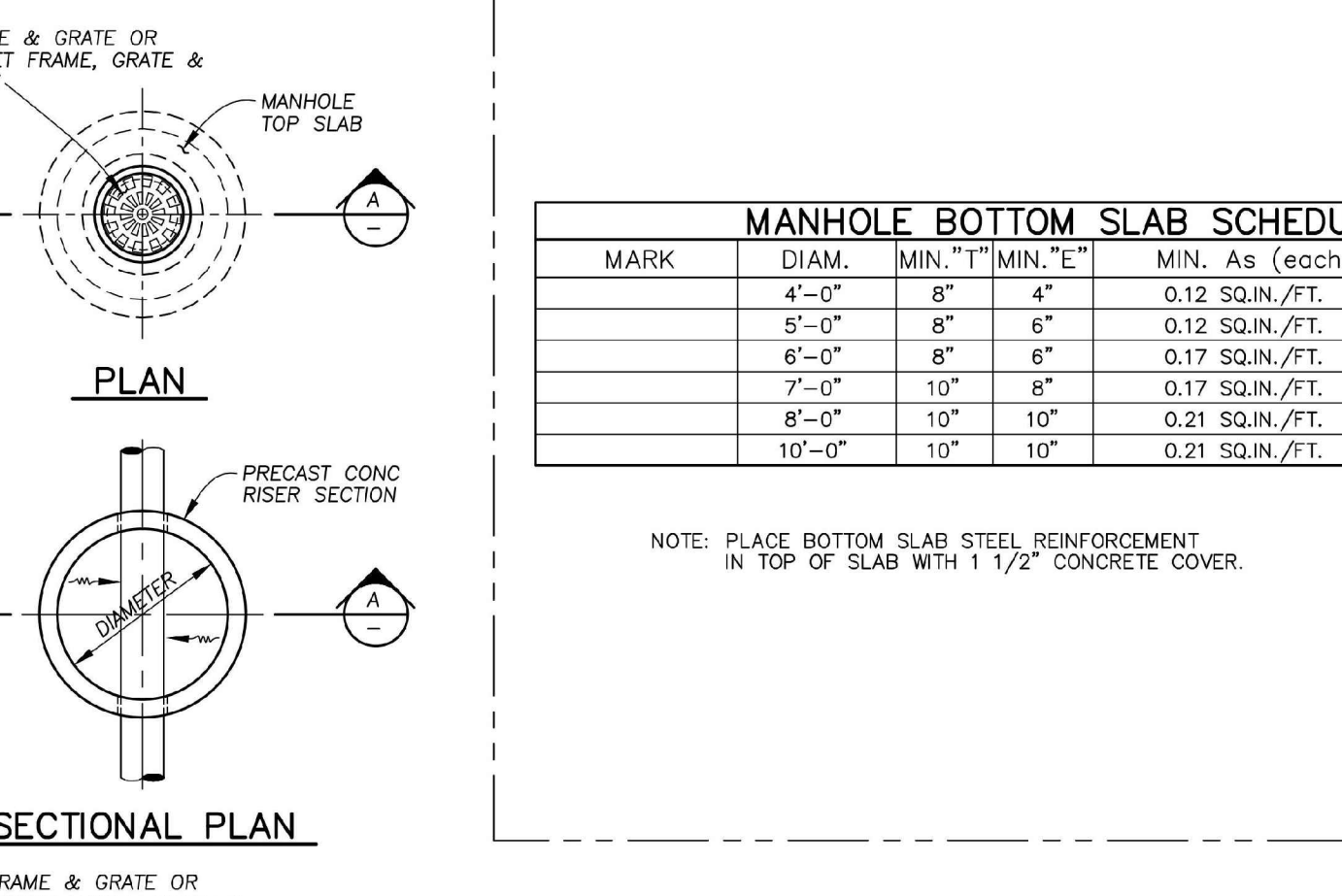
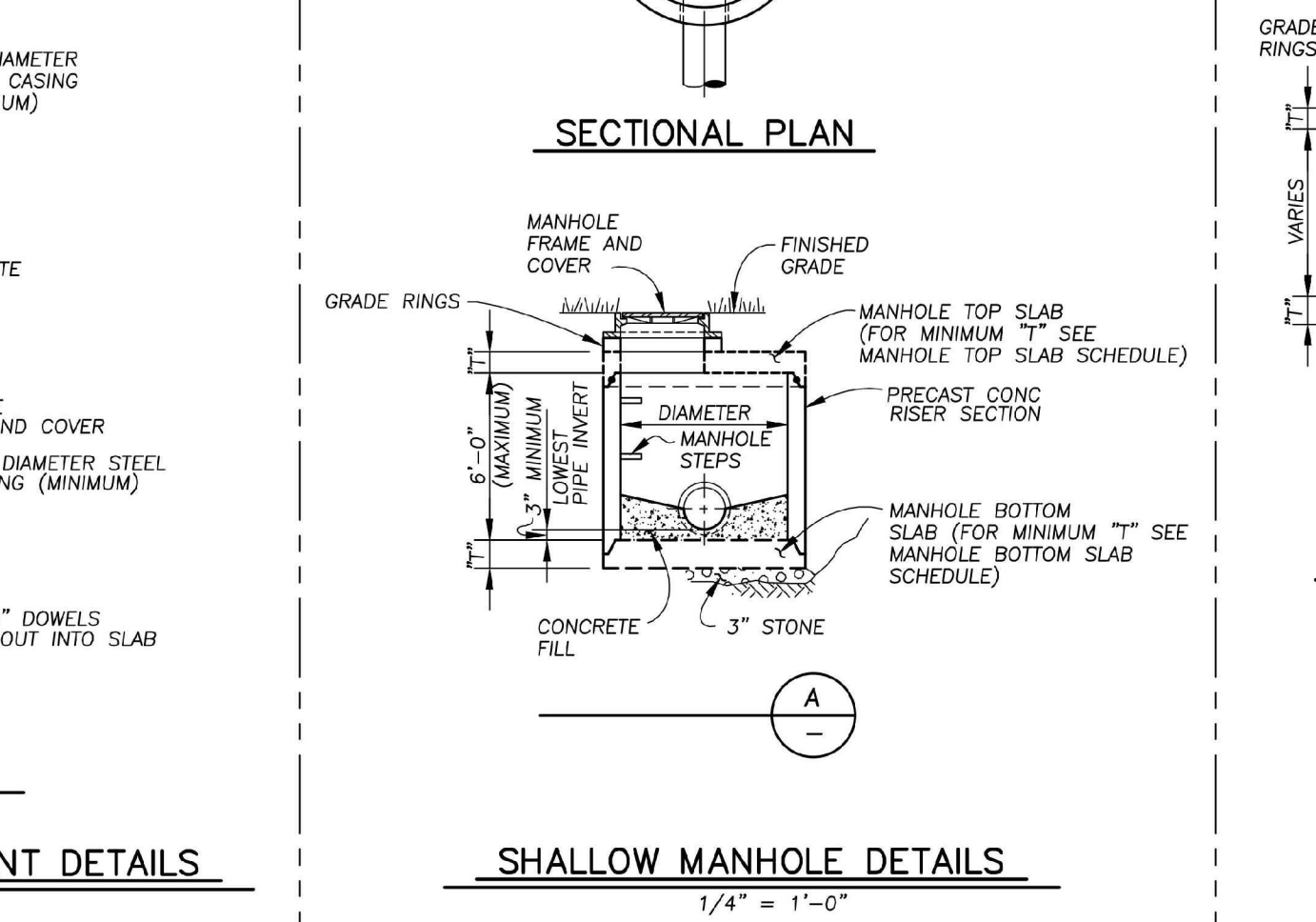
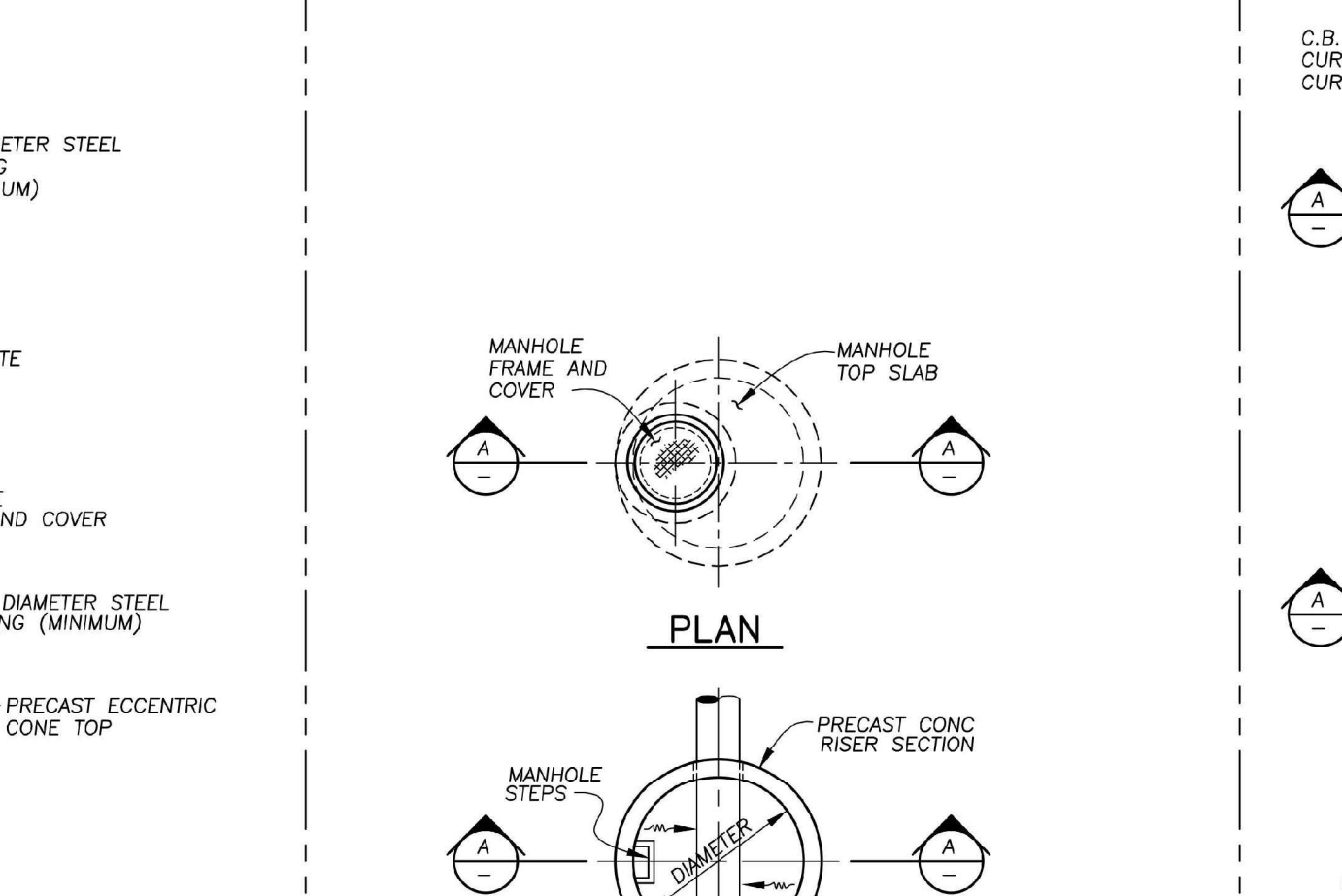
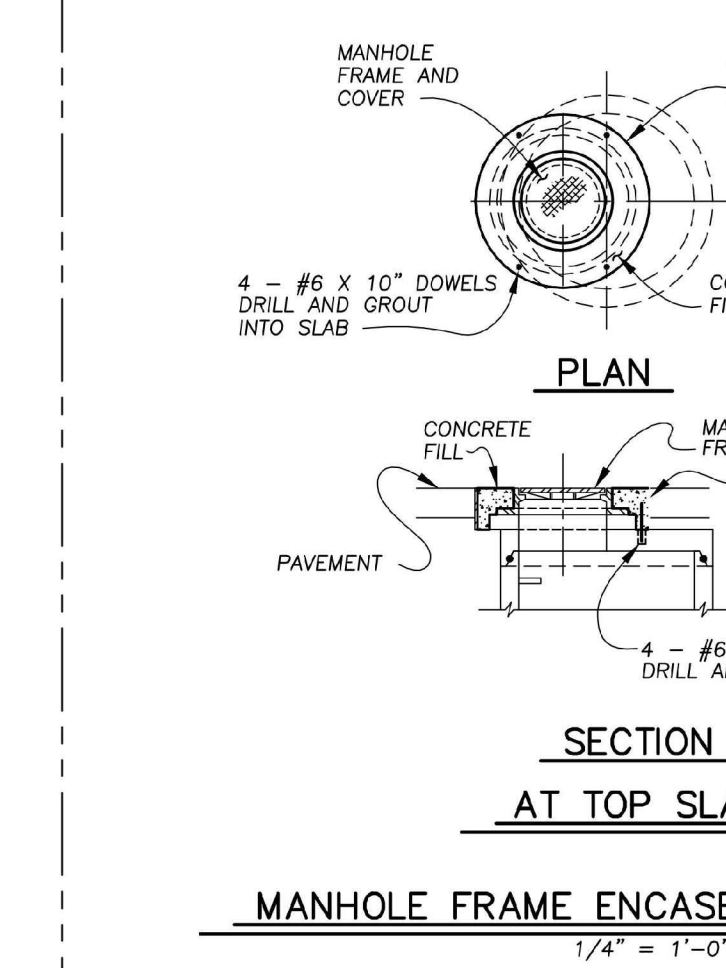
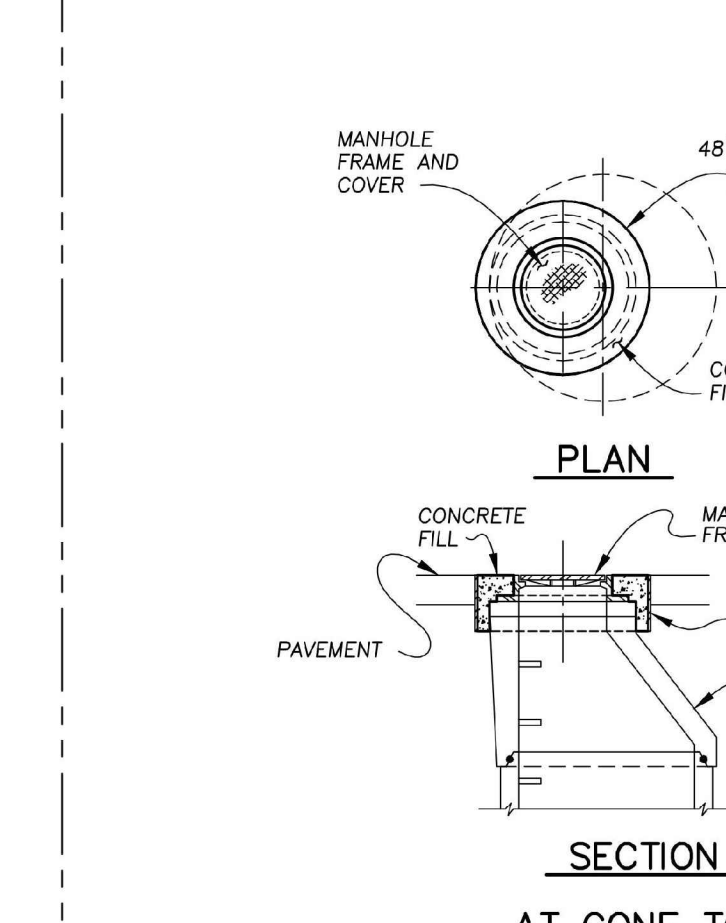
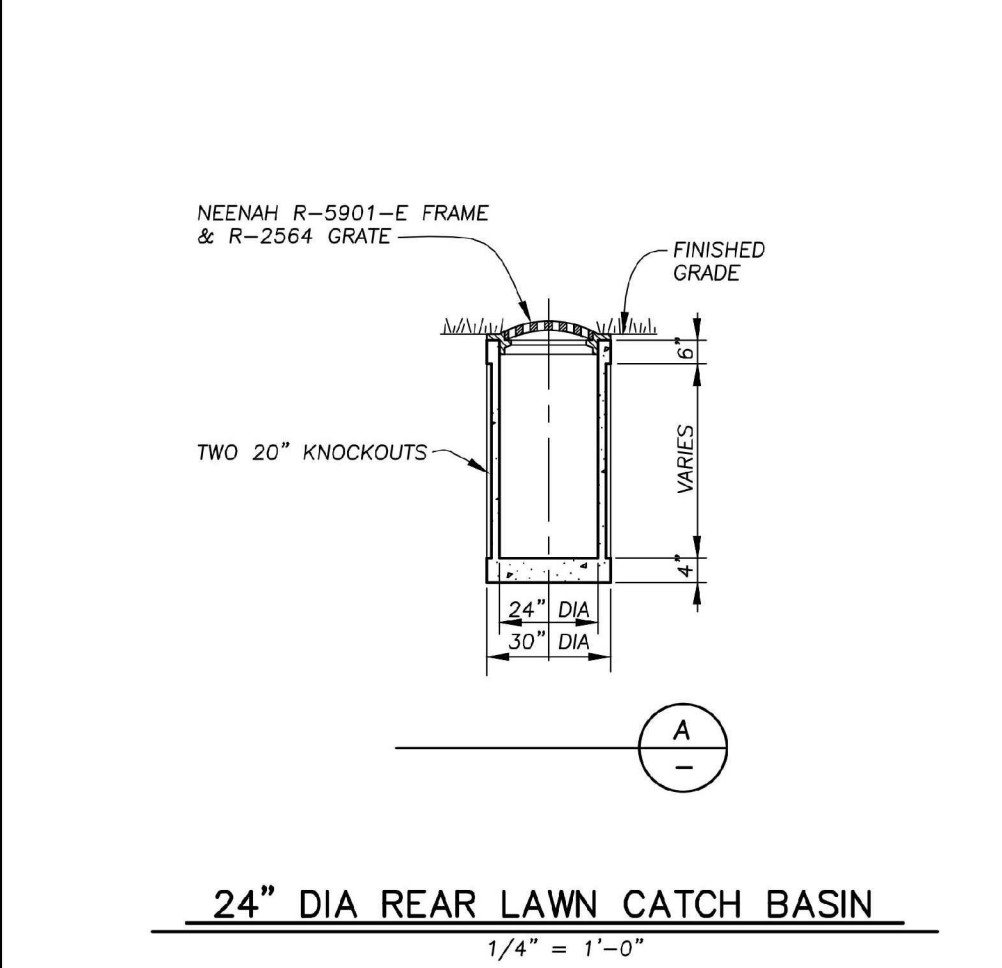
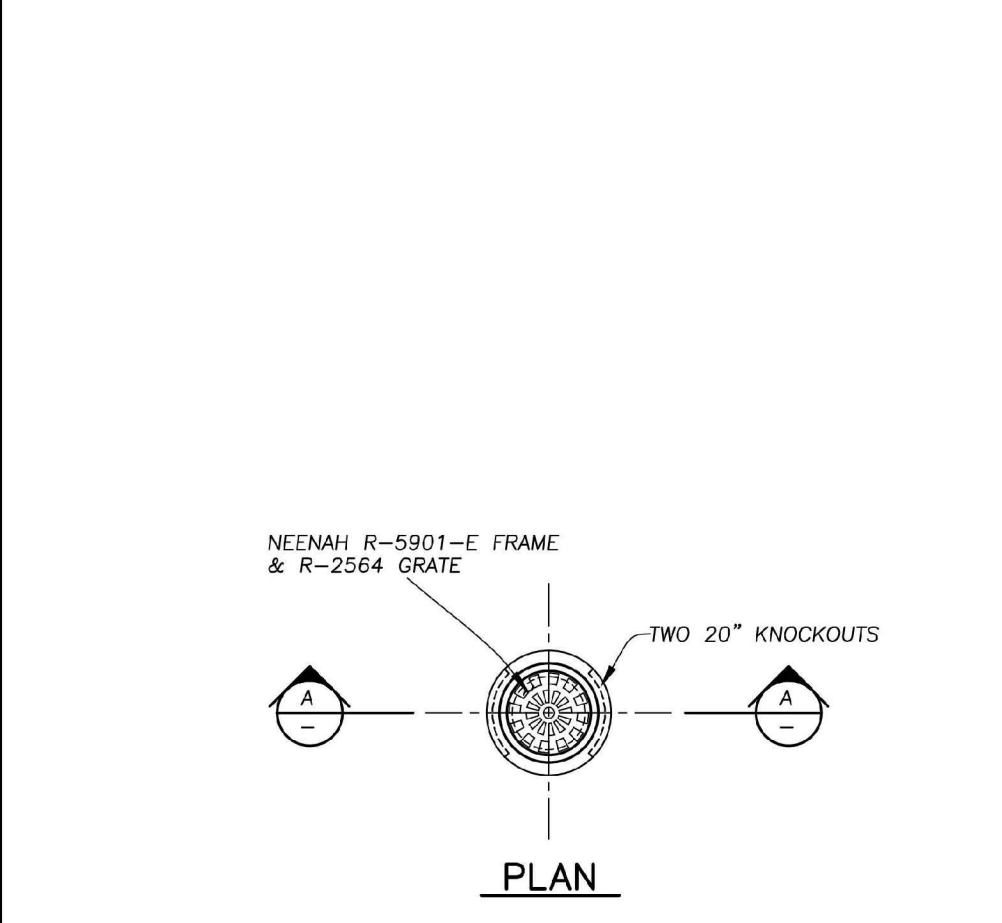
RECORD CONSTRUCTION 9/10/25



MANHOLE TOP SLAB SCHEDULE*

MARK	DIAMETER	MIN. "T"	REINF. BAR SIZE
	4'-0"	6"	# 4
	5'-0"	8"	# 5
	6'-0"	8"	# 5
	7'-0"	8"	# 5
	8'-0"	10"	# 5
	10'-0"	10"	# 5

* IF DISTANCE FROM TOP OF FRAME TO TOP OF PIPE PENETRATION IS GREATER THAN 4'-4", A PRECAST ECCENTRIC CONE TOP MUST BE USED.



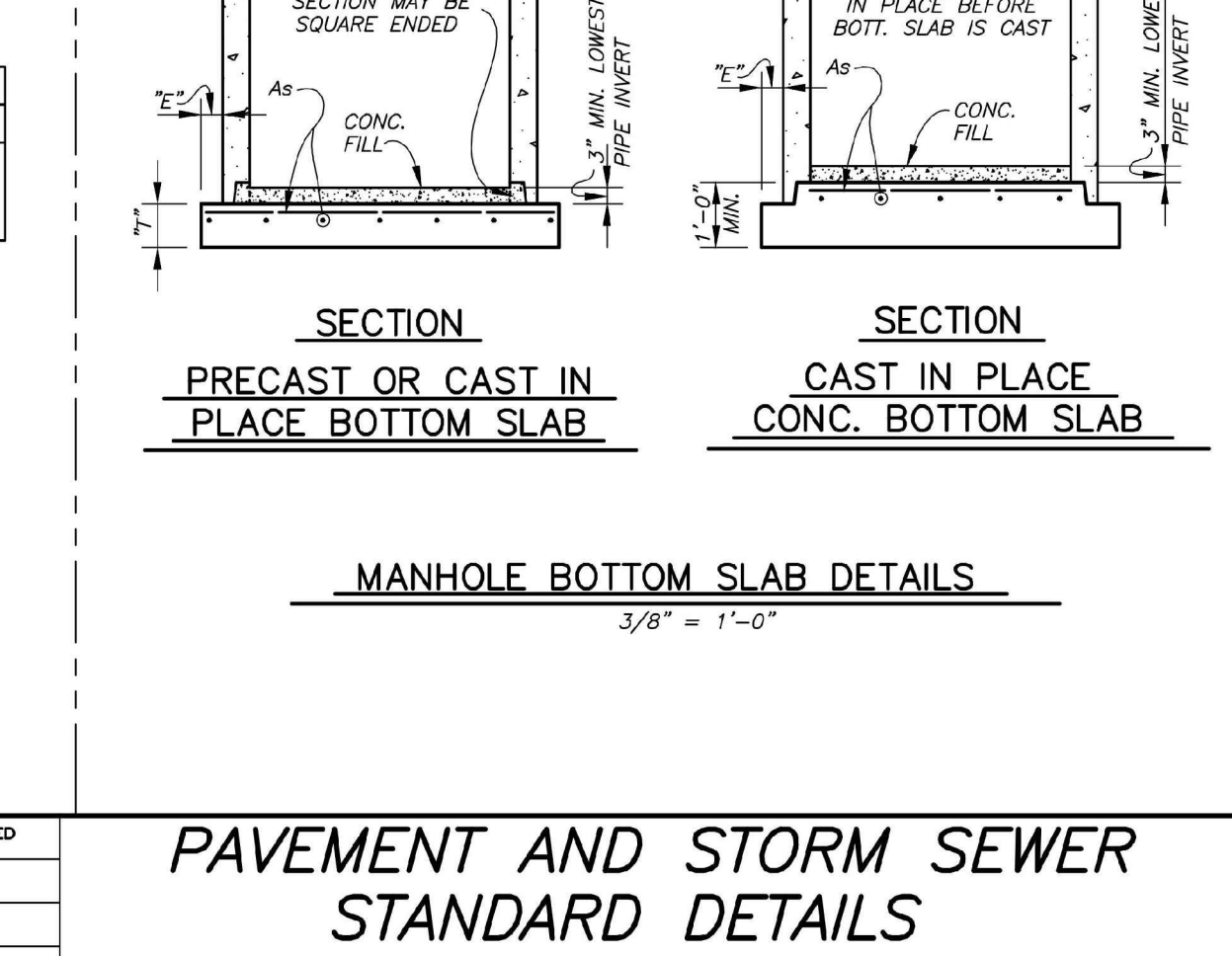
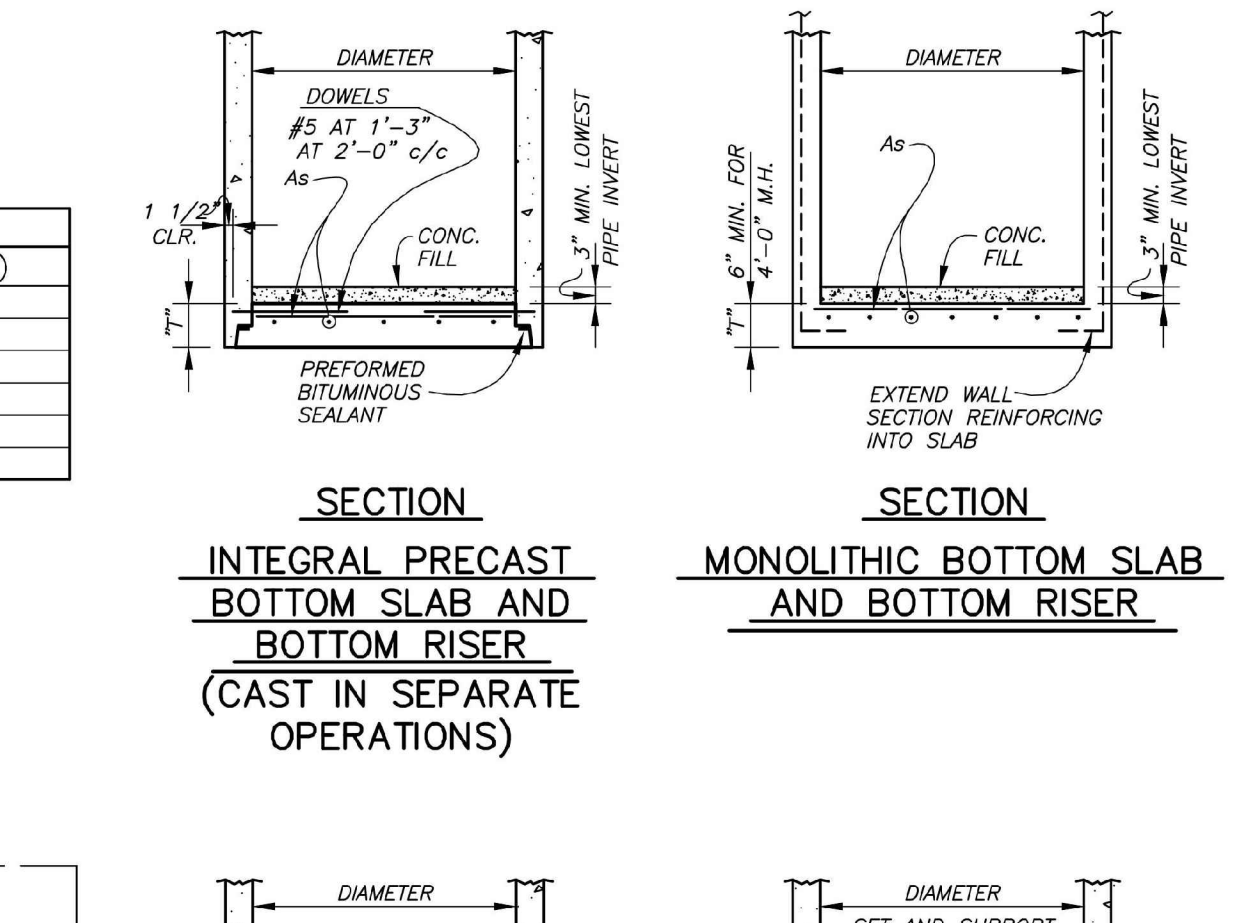
MANHOLE BOTTOM SLAB SCHEDULE

MARK	DIAM.	MIN. "T"	MIN. "E"	MIN. AS (each way)
	4'-0"	8"	4"	0.12 SQ.IN./FT.
	5'-0"	8"	6"	0.17 SQ.IN./FT.
	6'-0"	8"	6"	0.17 SQ.IN./FT.
	7'-0"	10"	6"	0.17 SQ.IN./FT.
	8'-0"	10"	10"	0.21 SQ.IN./FT.
	10'-0"	10"	10"	0.21 SQ.IN./FT.

NOTE: PLACE BOTTOM SLAB STEEL REINFORCEMENT IN TOP OF SLAB WITH 1 1/2" CONCRETE COVER.

CATCH BASIN SCHEDULE

MARK	DIAMETER	REMARKS
	4'-0"	SEE M.H. TOP AND BOTTOM SLAB DETAILS ON THIS SHEET



PAVEMENT AND STORM SEWER STANDARD DETAILS
 CITY OF PERRYSBURG, OHIO
 DEPARTMENT OF PUBLIC SERVICE
 DIVISION OF WATER POLLUTION CONTROL

REVISION

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig
HOH0811.org
 Before You Dig
 1683 Woodlands Drive, Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

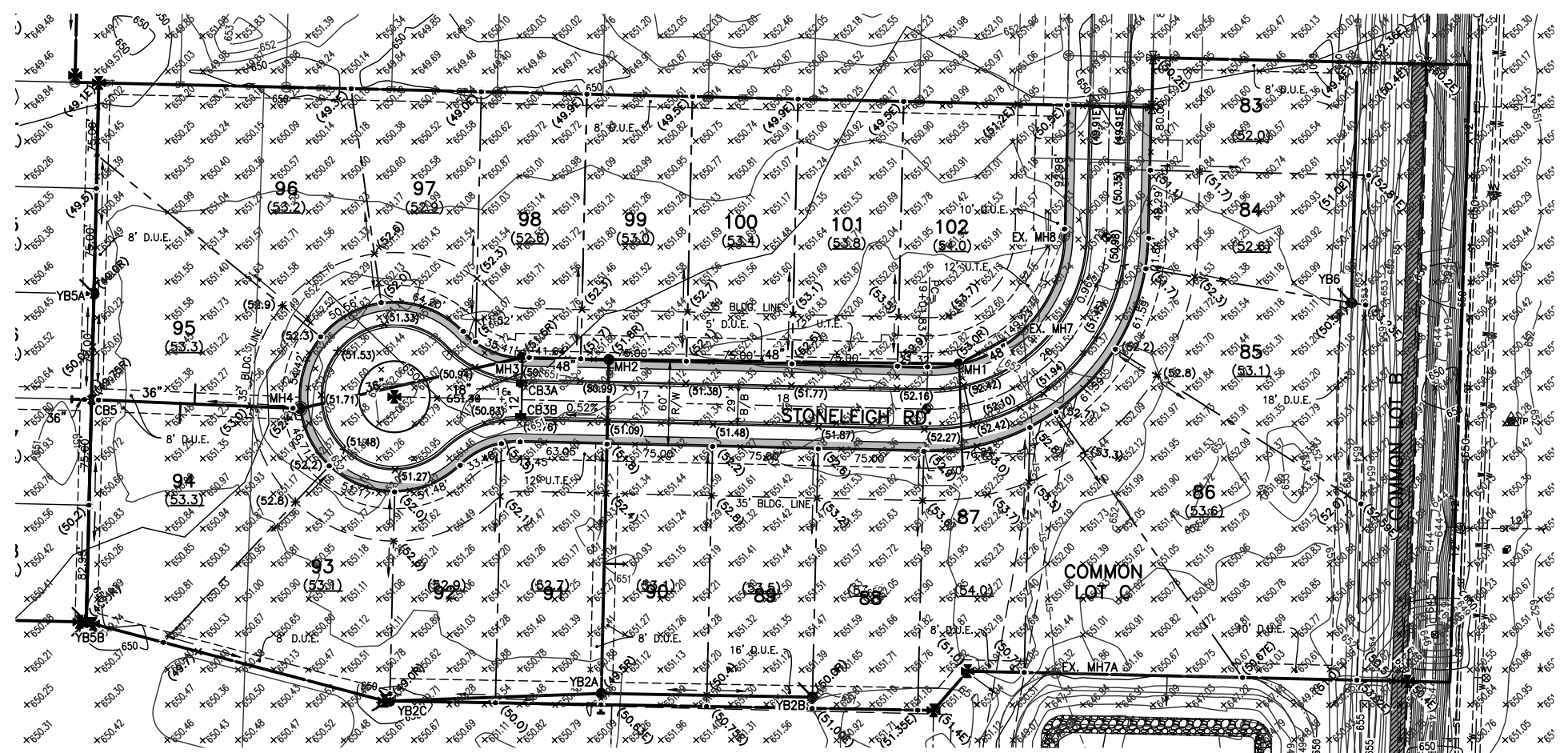
FellerFinch & Associates, Inc.
 Engineers • Surveyors

GENERAL NOTES AND DETAILS
 PROJECT: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

TITLE: _____
 SHEET 5 OF 18

RECORD CONSTRUCTION 9/10/25

P:\Projects\1088699 Coventry Pointe\DWG\10-088699\05A1-AB.dwg, 5, 9/10/2025 11:28:22 AM, rpawicki



EASEMENT ABBREVIATIONS

S.E. SANITARY EASEMENT
 D.U.E. DRAINAGE & UTILITY EASEMENT
 U.T.E. UTILITY & TOLEDO EDISON EASEMENT

BENCH MARK DATA

- WOOD COUNTY BENCH MARK**
- MC0668 USGS SURVEY DISC IN CONCRETE MONUMENT
 SOUTHWEST CORNER OF THE INTERSECTION OF HULL
 PRAIRIE ROAD & FIVE POINT ROAD.
 ELEVATION 650.10
- SITE BENCH #201**
- MAG NAIL SET IN WEST FACE OF 2ND POWER POLE SOUTH
 OF ROACHTON ROAD ON FORT MEIGS ROAD.
 ELEVATION 651.45
- SITE BM #202**
- MAG NAIL SET IN WEST FACE OF 1ST POWER POLE NORTH
 OF FIVE POINT ROAD ON FORT MEIGS ROAD.
 ELEVATION 653.08

REAR YARD DRAINAGE SWALES

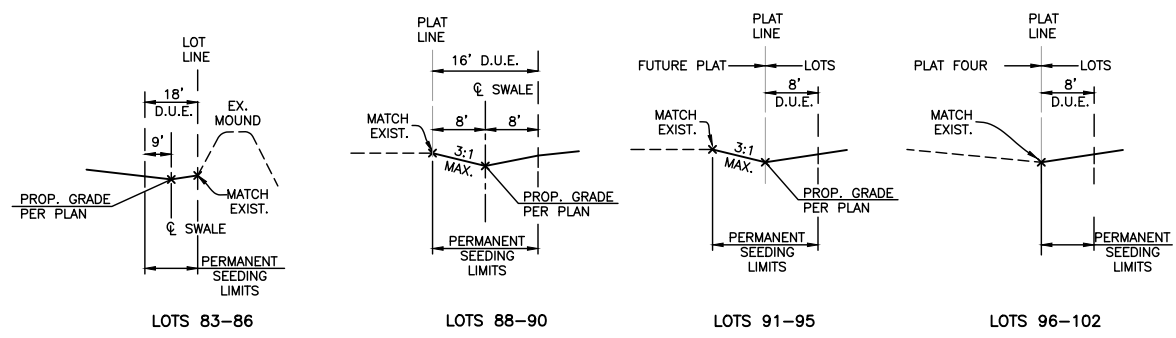
REAR YARD DRAINAGE SWALES SHALL BE GRADED AT THE
 TIME OF ROADWAY GRADING. SWALES SHALL BE SEEDED,
 MULCHED AND FERTILIZED AS SOON AS WEATHER PERMITS.

NOTE:
 THE HOME BUILDER SHALL INSTALL
 AND MAINTAIN A "GRAVEL
 CONSTRUCTION ENTRANCE" TO
 CONTROL THE TRACKING OF DEBRIS
 ONTO PUBLIC ROADS. IT SHALL
 CONSIST OF A MINIMUM OF 6" OF 2"
 TO 3" SIZE STONE, 20 FEET WIDE
 AND 40 FEET IN LENGTH.

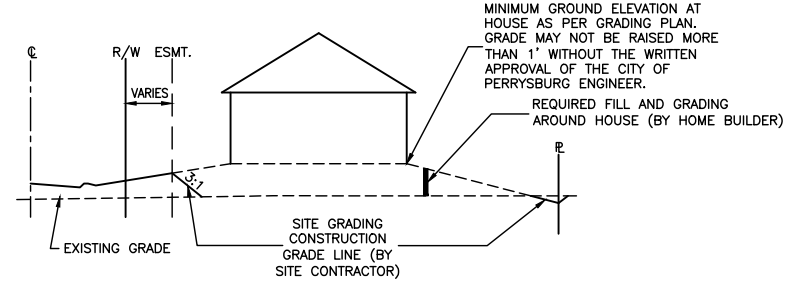
SITE ZONING DATA
 LOCATION: CITY OF PERRYSBURG
 ZONING CLASSIFICATION: R-3
 MINIMUM SETBACKS:
 FRONT - 35'
 SIDE - 8' MIN.
 SUM OF SIDES - 20'
 REAR - 35'

LEGEND

- EXISTING GROUND ELEVATIONS
 EXISTING CONTOURS 000
 PROPOSED ELEVATIONS (00.0)
 PROPOSED GROUND ELEVATIONS AT HOUSE ... (00.0)
 PROPOSED = EXISTING (00.0E)
 PROPOSED TOP OF WALK ELEVATIONS (00.0W)
 PROPOSED RIM ELEVATIONS (00.0R)
 ADD 600.00 TO ALL PROPOSED SPOT ELEVATIONS.
 ALL PAVEMENT GRADES ARE TOP OF CURB.
- = IRON PIN (BY SURVEYOR)
 - ⊗ = MONUMENT ASSEMBLY (ODOT RM-1.1) BY CONTRACTOR
 - ⊕ = EXISTING MONUMENT ASSEMBLY
 - ⊗ = MONUMENT ASSEMBLY (WOOD COUNTY, TYPE A) BY SURVEYOR
 - ▬ = CONCRETE WALK & RAMPS BY OTHERS.
 - ▬ = CONCRETE WALK BY CONTRACTOR.
 - ▬ = 10' WIDE ASPHALT PATH BY CONTRACTOR.



SEEDING AND MULCHING
 SEEDING AND MULCHING SHALL BE AS PER ODOT
 SPECIFICATION ITEM 659, USING SEEDING MIXTURE:
 90% PERENNIAL RYEGRASS (LOLIUM PERRENNE) 10%
 ALSIKE CLOVER (TRIFOLIUM HYBRIDUM). SEEDING AND
 MULCHING SHALL INCLUDE ALL PROPOSED RIGHTS OF
 WAY, REAR YARD SWALES, AND ALL DISTURBED AREAS
 WITHIN EXISTING CITY RIGHTS OF WAY.



EX. SOUTH DETENTION POND DATA

- 100 YEAR WATER ELEVATION = 648.67
- STORAGE VOLUME REQUIRED = 144,864 CU. FT.
- STORAGE VOLUME PROVIDED = 148,299 CU. FT.
- NORMAL WATER ELEVATION = 644.67

SITE VOLUME TABLE (UNADJUSTED)

	Cut yards	Fill yards	Net yards
ROADWAY/LOTS	960	1383	423(F)
SWALES	0	12	12(F)
TOPSOIL	250	250	0
TOTAL	1210	1645	435(F)

UNDERGROUND UTILITIES
 Contact for working days
 before you dig

HO10811.org
 before you dig

OH10811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Maumee Phone: (419) 893-2982
 Fax: (419) 893-2982
 www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: SITE GRADING PLAN

PROJECT: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS

CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED

DATE: AS NOTED

SCALE: 9.10.2025

DATE: 9.10.2025

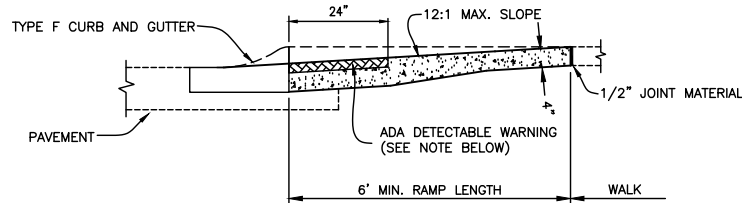
DESIGNED: AMF DRAWN: RSP

CHECKED: GNF REVIEWED: GNF

PROJECT: 10-08869

DRAWING: 10-08869DP05A1-AB

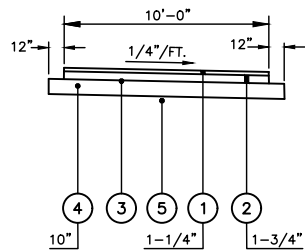
RECORD CONSTRUCTION 9/10/25



PEDESTRIAN RAMP DETAIL

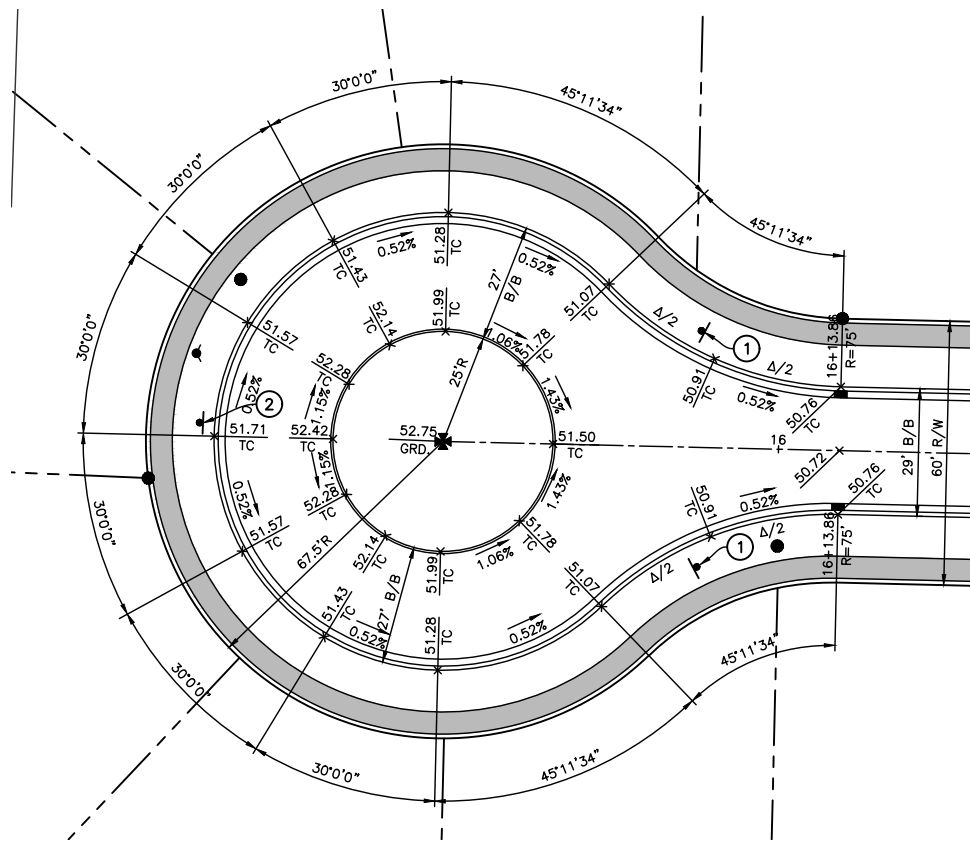
ADA DETECTABLE WARNING

THE CONTRACTOR SHALL INSTALL DETECTABLE WARNINGS ON WALKING SURFACES OF EACH CURB RAMP ACCORDING TO SECTION 4.29.2 OF THE ADA ACCESSIBILITY GUIDELINES FOR BUILDING AND FACILITIES. DETECTABLE WARNINGS SHALL BE 2' X 4' AND BE INSTALLED AGAINST THE BACK OF CURB. THE DETECTABLE WARNINGS SHALL BE PER ODOT BP-7.1 AND CITY OF PERRYSBURG SPECIFICATIONS PER NOTE 2.7 ON SHEET 2.



TYPICAL 10 FT. WIDE ASPHALT PATH SECTION

SCALE: NTS



INTERSECTION DETAIL

SCALE: 1" = 20'

NOTES:

ALL RADII AND DIMENSIONS ARE TO BACK OF CURB.

ALL ELEVATIONS ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.

ADD 600.00 TO ALL ELEVATIONS.

TC = TOP OF CURB

EP = EDGE OF PAVEMENT

■ = 5' WIDE CONCRETE WALK & RAMPS (BY OTHERS).

⊕ = ODOT RM 1.1 MONUMENT ASSEMBLY (BY CONTRACTOR)

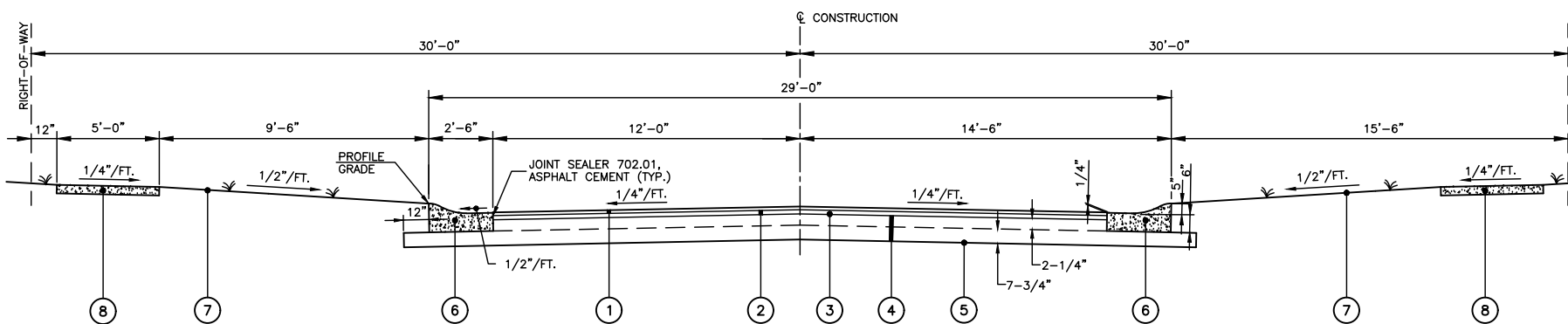
● = MANHOLE

■ = CATCH BASIN

⊗ = WOOD COUNTY TYPE A MONUMENT & ASSEMBLY (BY OWNER)

STREET SIGN DATA

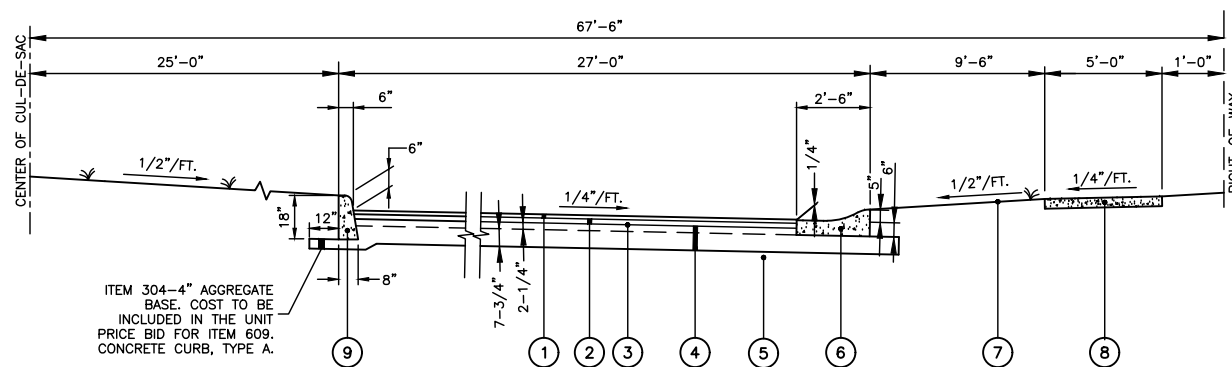
LOCATION	STATION	SIDE	PROPOSED R7-1 NO PARKING ANYTIME W/ 1 WAY ARROW (12" X 18")	PROPOSED R7-1 NO PARKING ANYTIME W/ 2 WAY ARROW (12" X 18")
STONELEIGH RD.	14+68	LT.		1 (1.50 SF)
STONELEIGH RD.	15+82	LT.	1 (1.50 SF)	
STONELEIGH RD.	15+82	RT.	1 (1.50 SF)	
TOTAL			2 (3.00 SF)	1 (1.50 SF)



STONELEIGH ROAD (EAST), STA. 16+13.86 TO STA. 21+93.18 = 579.32 LIN. FT.
TOTAL = 579.32 LIN. FT.

TYPICAL ROAD SECTION

N.T.S.



ITEM 304-4" AGGREGATE BASE. COST TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 609. CONCRETE CURB, TYPE A.

TYPICAL HALF CUL-DE-SAC SECTION

N.T.S.

TYPICAL SECTION LEGEND

- ① ITEM 449 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG 64-22
- ② ITEM 449 2-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG 64-22
- ③ ITEM 407 TACK COAT @ 0.05 GAL./SQ. YD.
- ④ ITEM 304 10" AGGREGATE BASE, AS PER PLAN (2 COURSES)
- ⑤ ITEM 204 SUBGRADE COMPACTION
- ⑥ ITEM 609 MOUNTABLE CURB AND GUTTER, WOOD COUNTY TYPE F
- ⑦ ITEM 659 SEEDING AND MULCHING; COMMERCIAL FERTILIZER (20 LBS. PER 1000 SQ. FT.)
- ⑧ ITEM 608 4" CONCRETE WALK, 6" AT DRIVES (BY OTHERS)
- ⑨ ITEM 609 CONCRETE CURB, WOOD COUNTY TYPE A

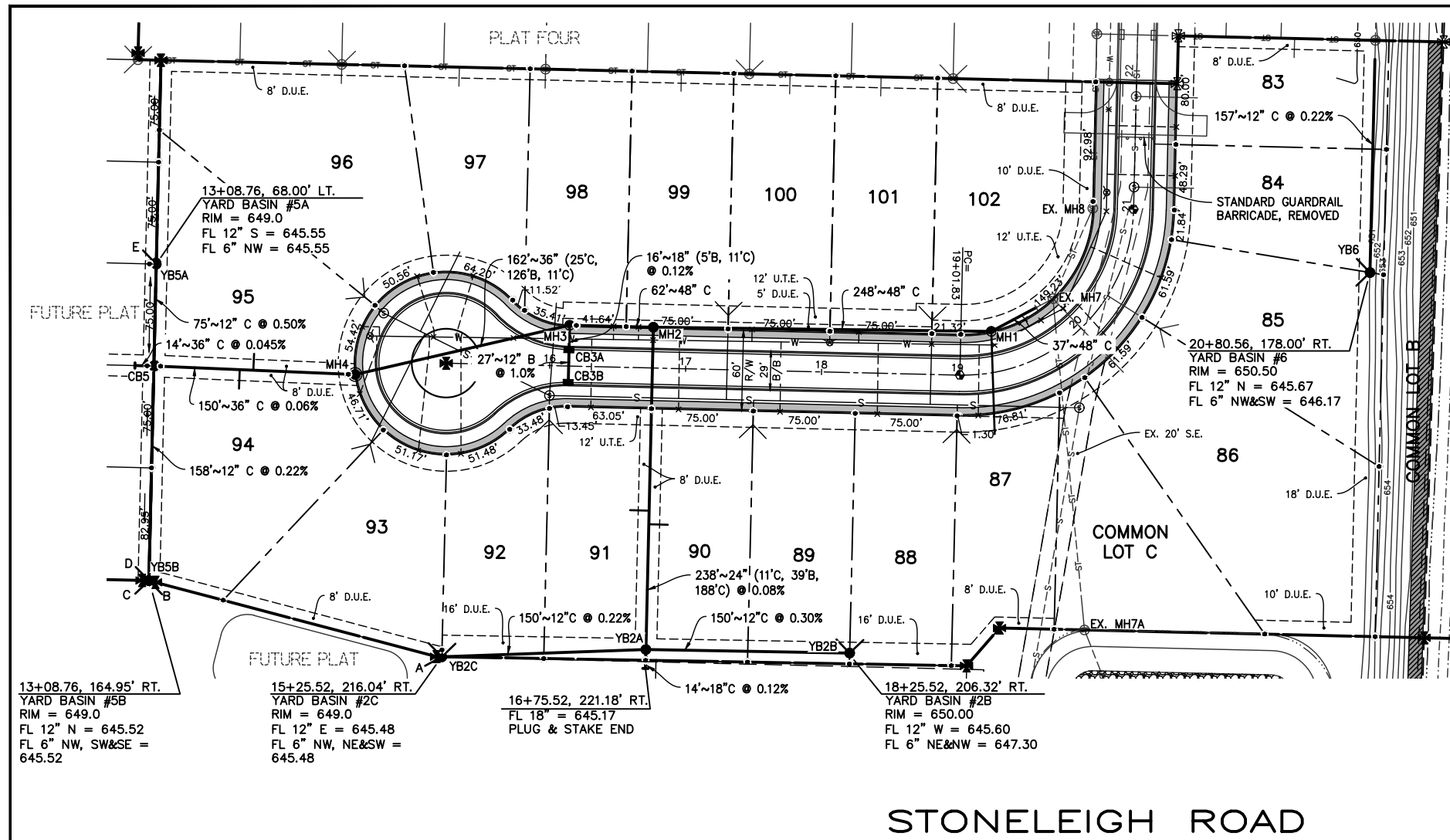
REV. NO.	REVISION	DATE

TITLE: 10-08869DP05A1-AB - 8
PROJECT: COVENRY POINTE PLAT FIVE RECORD DRAWINGS
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED
DATE
SCALE: AS NOTED
DATE: 9.10.2025
DESIGNED: AMF DRAWN: RSP
CHECKED: GNF REVIEWED: GNF
PROJECT: 10-08869
DRAWING: 10-08869DP05A1-AB

RECORD CONSTRUCTION 9/10/25

P:\Projects\10E08869 Coventry Pointe_Dwg\10-08869DP05A1-AB.dwg, 9, 9/10/2025 11:29:19 AM, rpawlicki



STORM SERVICE TAP DATA

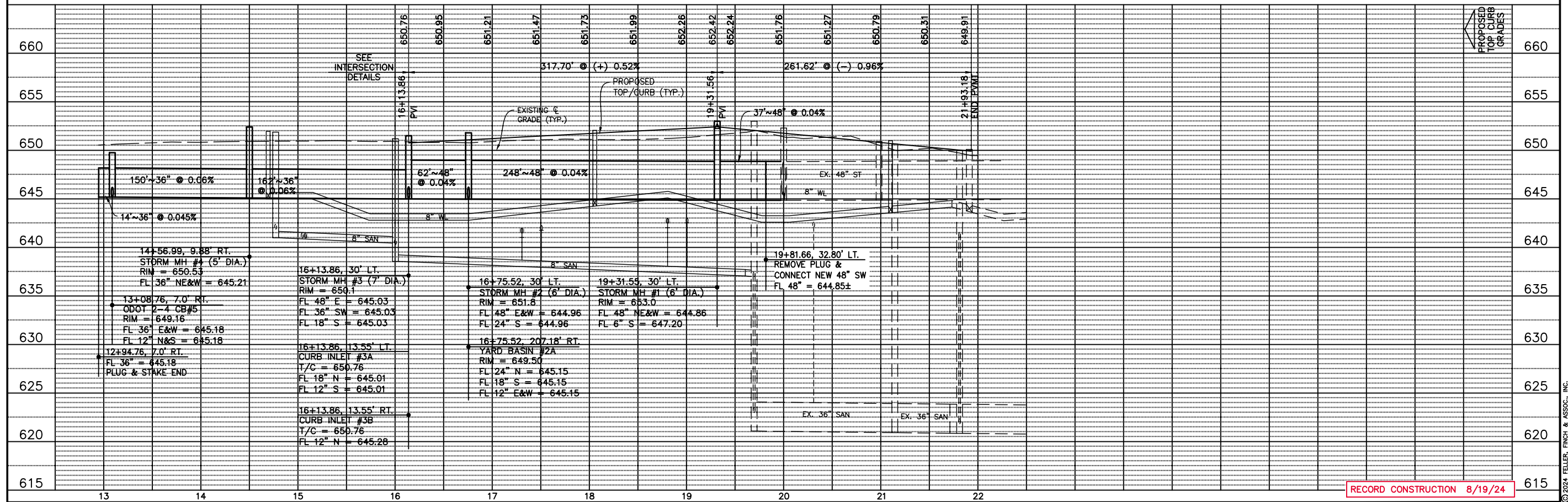
LOT 83 1+02± (22+12.47±, 115.55± RT.) EX. 6" ON 15" TEE EX. 14"~6" C @ 1.0% EX. FL 6" = 645.68±	LOT 92 0+00 (15+35.35, 206.17' RT.) 14"~6" C @ 1.0% FL 6" = 645.62	LOT 100 0+30 (17+71.83±, 204.0± LT.) EX. 6" ON 12" TEE EX. 14"~6" C @ 1.0% EX. FL 6" = 646.06±
LOT 84 0+00 (20+84.13, 166.96' RT.) 14"~6" C @ 1.0% FL 6" = 646.31	LOT 93 0+00 (15+15.68, 206.33' RT.) 14"~6" C @ 1.0% FL 6" = 645.62	LOT 101 0+79 (18+38.83, 204.0' LT.) EX. 6" ON 12" TEE EX. 14"~6" C @ 1.0% EX. FL 6" = 646.20±
LOT 85 0+00 (20+75.80, 169.89' RT.) 14"~6" C @ 1.0% FL 6" = 646.31	LOT 94 0+85 (13+71.73, 22.23' RT.) 6" ON 36" TEE 14"~6" C @ 1.0% FL 6" = 645.53	LOT 102 0+00 (21+81.28±, 125.10± LT.) EX. 14"~6" C @ 1.0% EX. FL 6" = 647.14±
LOT 86 0+00 (20+00±, 45.00' RT.) EX. 75"~6" (11"C, 39"B, 25"C) @ 1.0% EX. FL 6" = 646.00±	LOT 95 0+75 (13+82.27, 5.58' LT.) 6" ON 36" TEE 14"~6" C @ 1.0% FL 6" = 646.53	ST. TAP A 0+00 (15+25.62, 230.02' RT.) 14"~6" C @ 1.0% FL 6" = 645.62
LOT 87 0+00 (19+21.51, 44.93' RT.) 76"~6" C @ 1.0% FL 6" = 647.96	LOT 96 0+00 (14+41.82±, 204.0± LT.) EX. 14"~6" C @ 1.0% EX. FL 6" = 646.50±	ST. TAP B 0+00 (13+18.64, 174.78' RT.) 14"~6" C @ 1.0% FL 6" = 645.66
LOT 88 0+00 (18+35.35, 196.45' RT.) 14"~6" C @ 1.0% FL 6" = 647.44	LOT 97 0+63.43 (15+28.40±, 204.0± LT.) EX. 6" ON 15" TEE EX. 14"~6" C @ 1.0% EX. FL 6" = 645.98±	ST. TAP C 0+00 (12+98.94, 174.83' RT.) 14"~6" C @ 1.0% FL 6" = 645.66
LOT 89 0+00 (18+15.57, 196.51' RT.) 14"~6" C @ 1.0% FL 6" = 647.44	LOT 98 0+00 (15+91.83±, 204.0± LT.) EX. 6" ON 15" TEE EX. FL 6" = 646.20±	ST. TAP D 0+00 (12+98.81, 155.14' RT.) 14"~6" C @ 1.0% FL 6" = 645.66
LOT 90 1+45 (16+89.52, 115.0' RT.) 6" ON 24" TEE 14"~6" C @ 1.0% FL 6" = 645.97	LOT 99 1+00 (16+91.83±, 204.0± LT.) EX. 6" ON 15" TEE EX. 14"~6" C @ 1.0% EX. FL 6" = 646.04±	ST. TAP E 0+00 (12+98.81, 77.82' LT.) 14"~6" C @ 1.0% FL 6" = 645.69

EASEMENT ABBREVIATIONS

S.E.	SANITARY EASEMENT
D.U.E.	DRAINAGE & UTILITY EASEMENT
U.T.E.	UTILITY & TOLEDO EDISON EASEMENT

- MANHOLE NOTES:**
1. ALL STORM MANHOLES SHALL BE SHALLOW MANHOLES PER THE DETAILS ON SHEET 5.
 2. THE DIAMETER OF THE SHALLOW STORM MANHOLES SHALL BE AS INDICATED IN THE PROFILE BELOW.
 3. THE FLAT SLAB TOP OF THE SHALLOW STORM MANHOLES SHALL BE ORIENTED TO PLACE THE LID AWAY FROM THE STREET CENTERLINE & OUT OF THE PROPOSED SIDEWALK AND DRIVEWAYS.

STONELEIGH ROAD



UNDERGROUND UTILITIES
Contact your utility providers before you dig.

HOH10811.org
before you dig

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

PLAN AND PROFILE

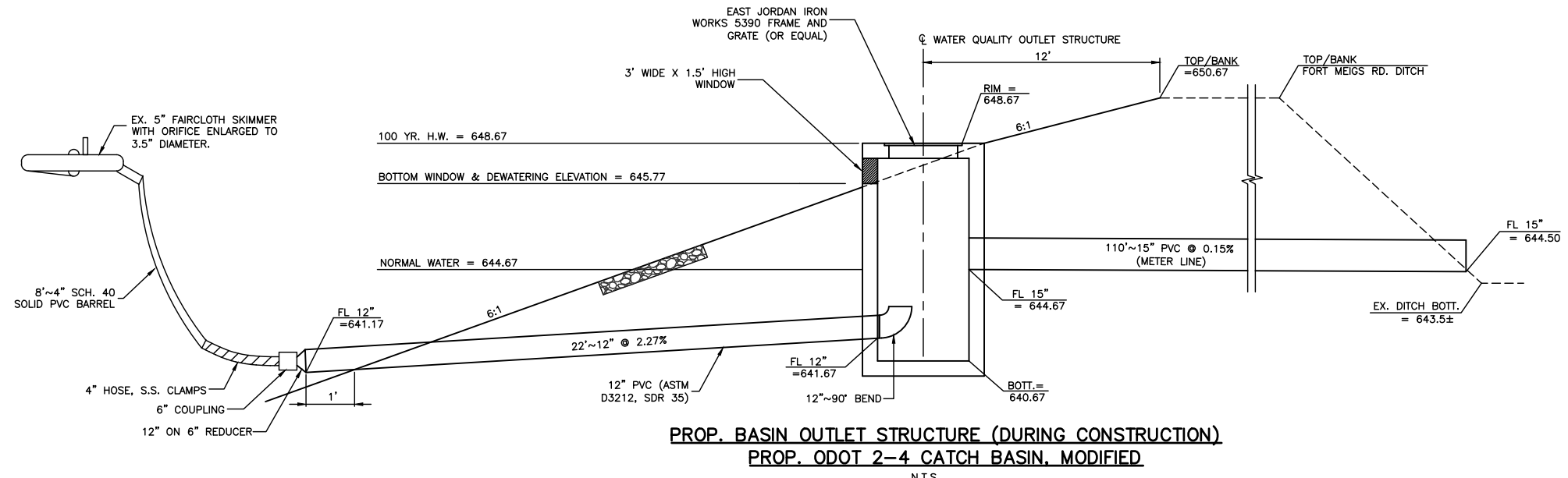
TITLE: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS

PROJECT: CITY OF PERRYSBURG, WOOD COUNTY, OHIO

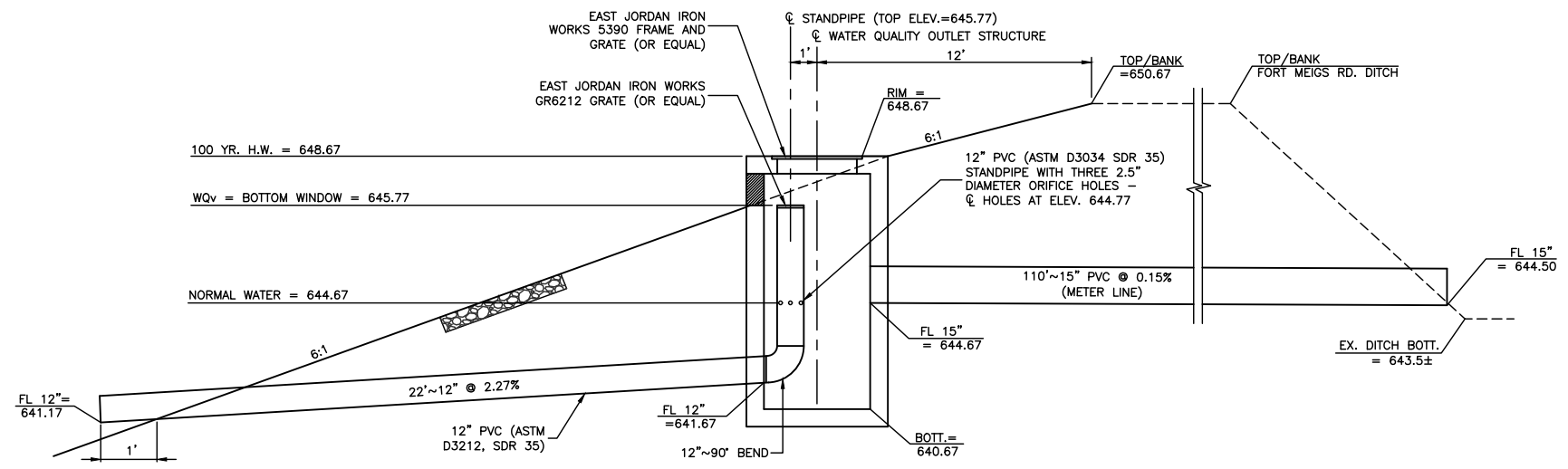
SIGNED	
DATE	AS NOTED
SCALE:	9.10.2025
DESIGNED: AMF	DRAWN: RSP
CHECKED: GNF	REVIEWED: GNF
PROJECT: 10-08869	
DRAWING: 10-08869DP05A1-AB	

RECORD CONSTRUCTION 8/19/24

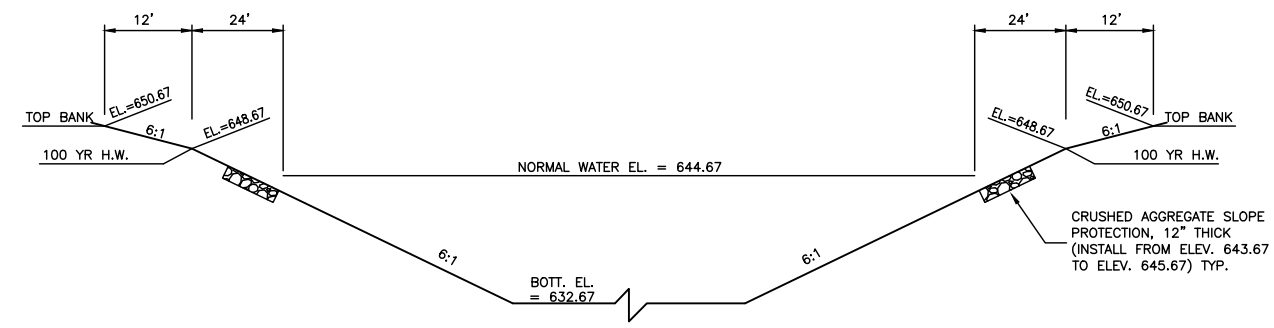
SHEET 9 OF 18



PROP. BASIN OUTLET STRUCTURE (DURING CONSTRUCTION)
ODOT 2-4 CATCH BASIN, MODIFIED
 N.T.S.



PROP. SOUTH BASIN OUTLET STRUCTURE (FINAL POST CONSTRUCTION)
ODOT 2-4 CATCH BASIN, MODIFIED
 N.T.S.



PROP. SOUTH DETENTION POND SECTION
 N.T.S.

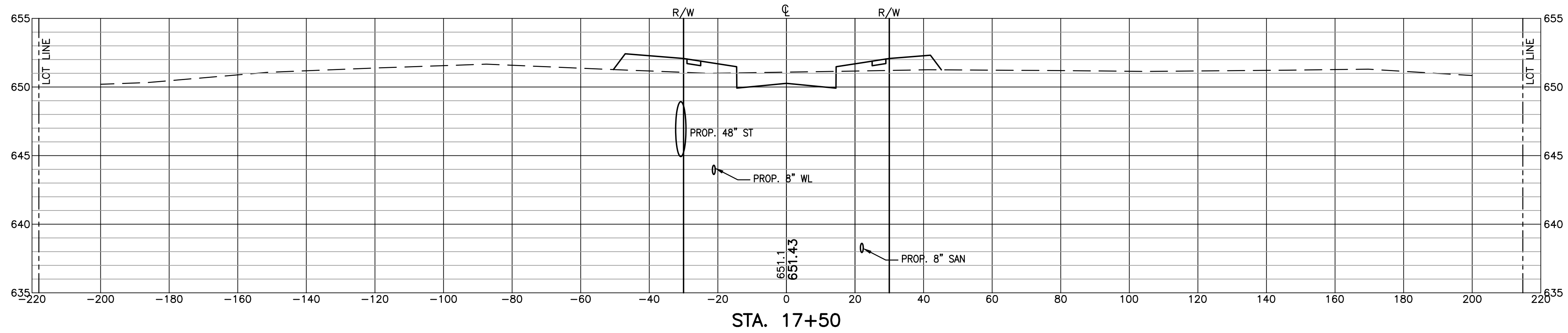
REV. NO.	REVISION	DATE

TITLE: **EXISTING BASIN DETAILS**
 PROJECT: **COVENRY POINTE PLAT FIVE RECORD DRAWINGS**
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

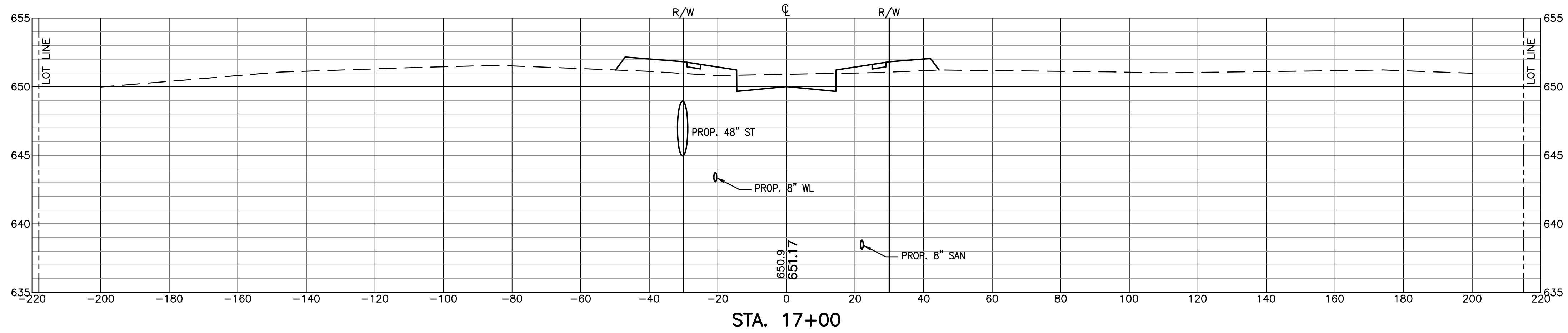
SIGNED	
DATE	
SCALE:	AS NOTED
DATE:	9.10.2025
DESIGNED:	AMF
DRAWN:	RSP
CHECKED:	GNF
REVIEWED:	GNF
PROJECT:	10-08869
DRAWING:	10-08869DPO5A1-AB

RECORD CONSTRUCTION 9/10/25

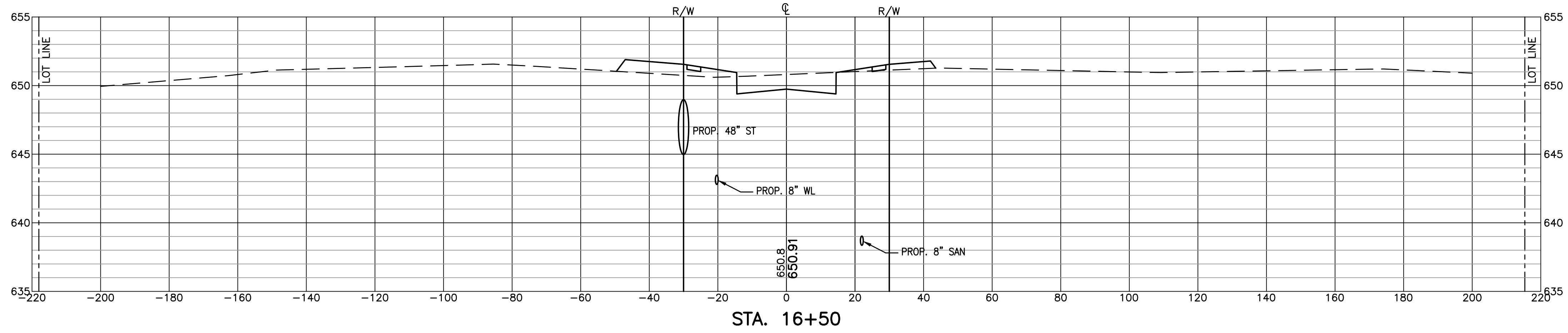
P:\Projects\10E08869 Coventry Pointe_Dwg\10-08869DPO5A1-AB.dwg, 10, 9/10/2025 11:29:52 AM, rpawlicki



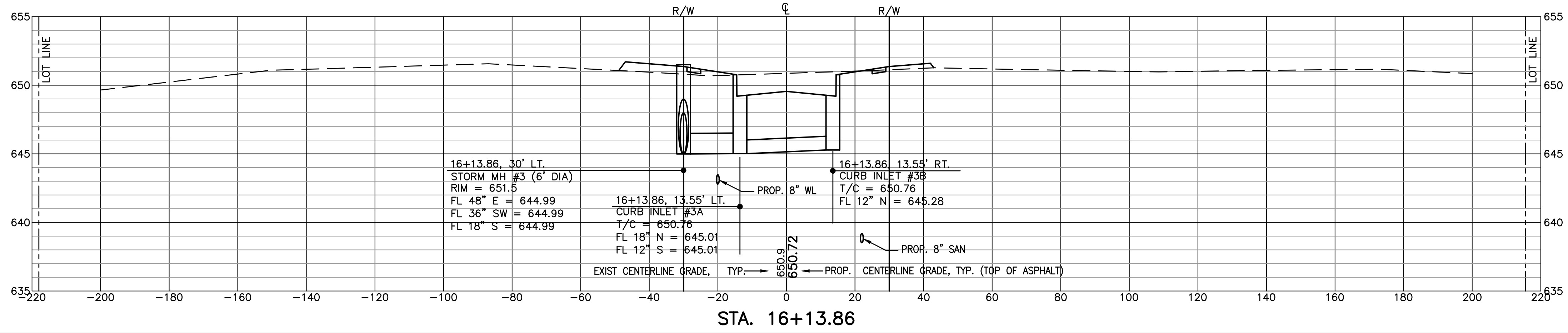
STA. 17+50



STA. 17+00



STA. 16+50



STA. 16+13.86

RECORD CONSTRUCTION 9/10/25

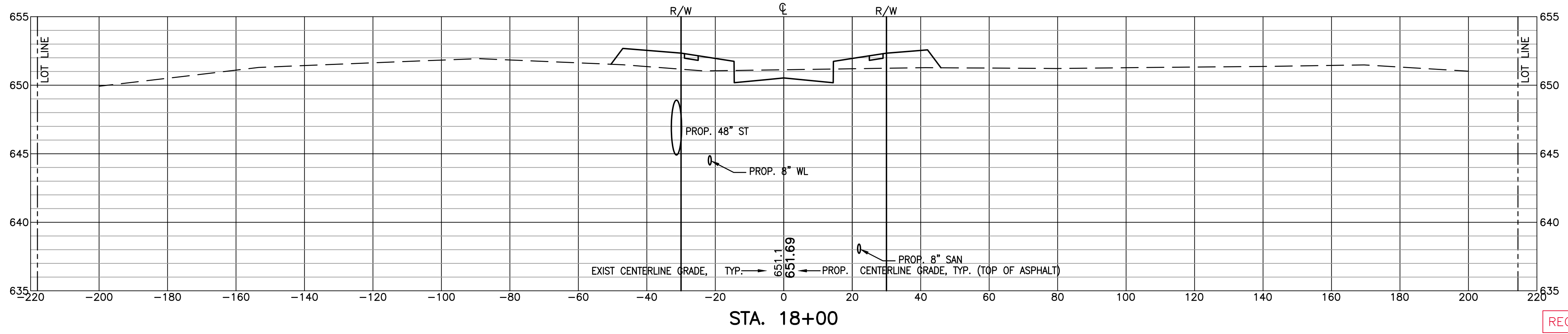
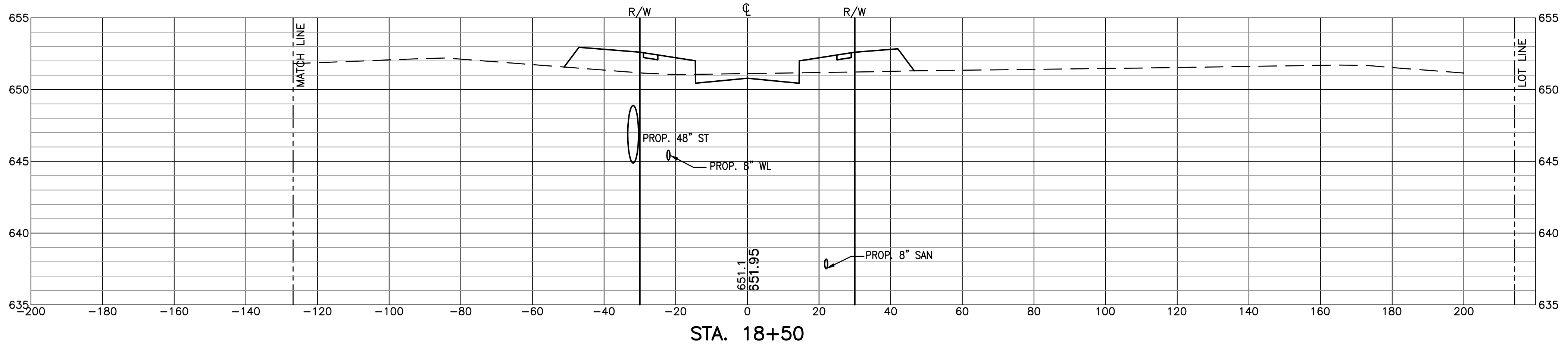
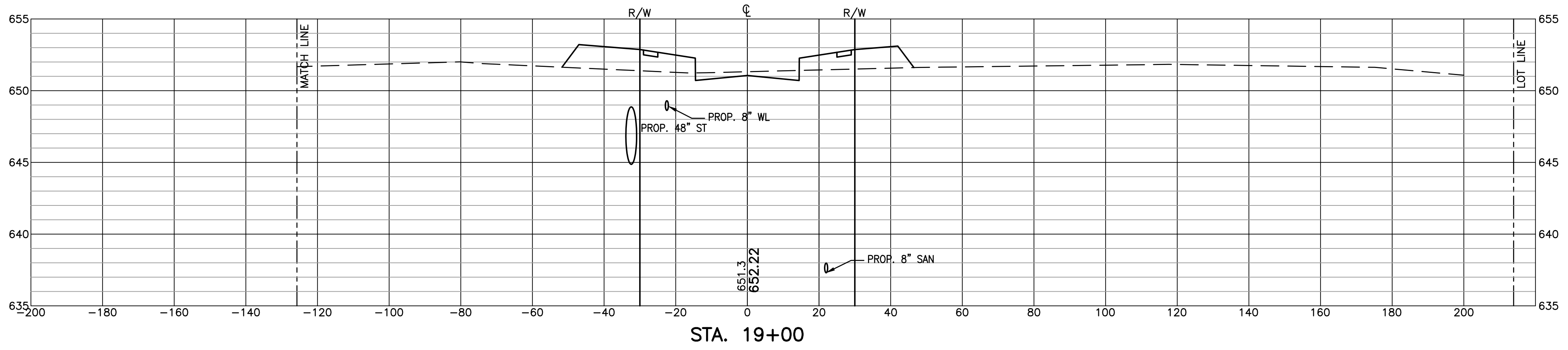
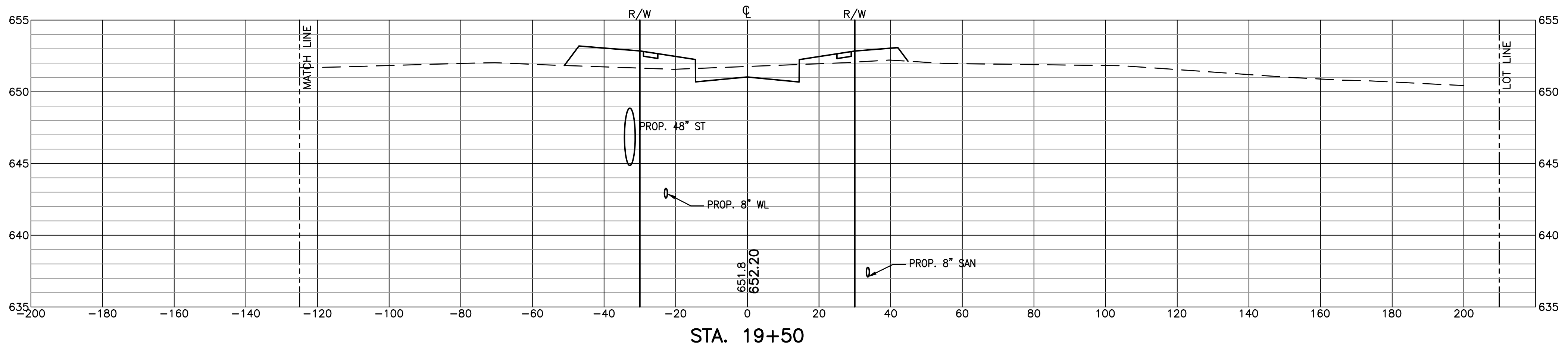
UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig
OHO811.org
 Before You Dig
 OHO811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

FellerFinch & Associates, Inc.
 Engineers • Surveyors
 1683 Woodlands Drive,
 Maumee, Ohio 43537
 Maumee Phone: (419) 893-3680
 Maumee Fax: (419) 893-2982
 www.fellerfinch.com

REV. NO.	REVISION	DATE

CROSS SECTIONS
 PROJECT: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

© 2024 FELLER, FINCH & ASSOC., INC.
 SIGNED: _____
 DATE: _____
 SCALE: AS NOTED
 DATE: 9.10.2025
 DESIGNED: AMF DRAWN: RSP
 CHECKED: GNF REVIEWED: GNF
 PROJECT: 10-08869
 DRAWING: 10-08869D05A1-AB
 SHEET 11 OF 18



RECORD CONSTRUCTION 9/10/25

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig
OH0811.org
Before You Dig
OH0811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch
& ASSOCIATES, INC.
Engineers • Surveyors

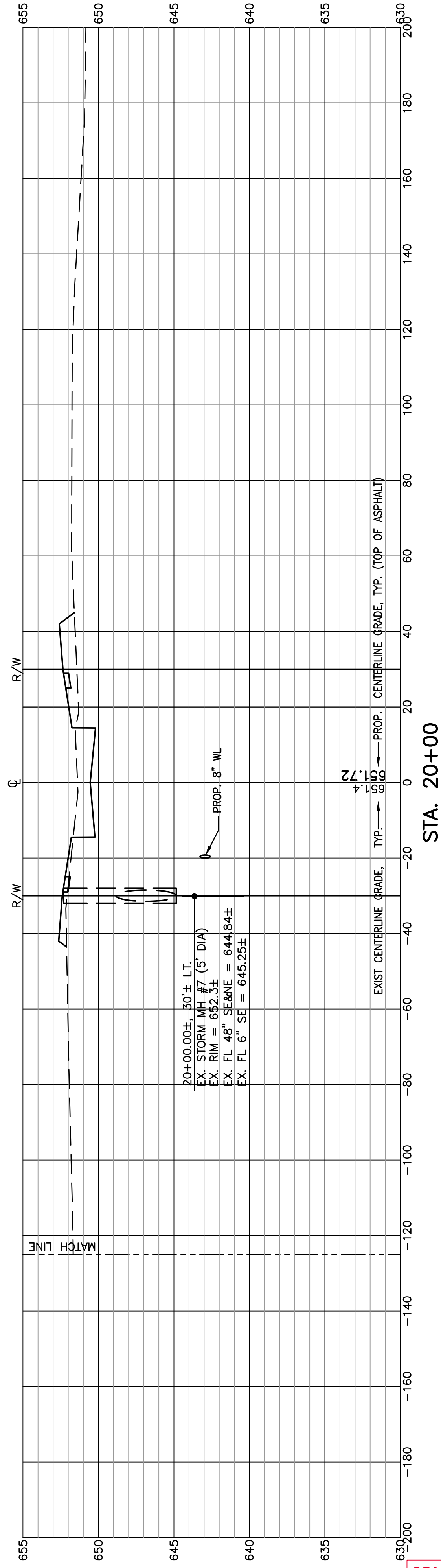
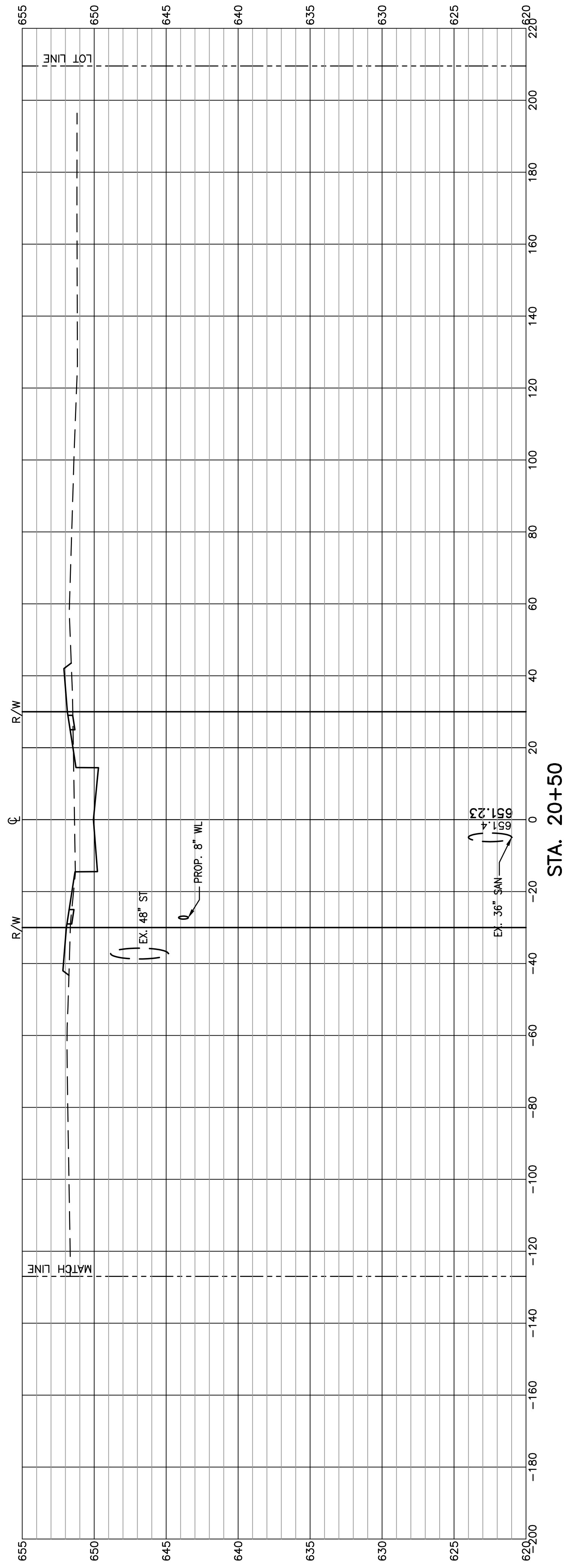
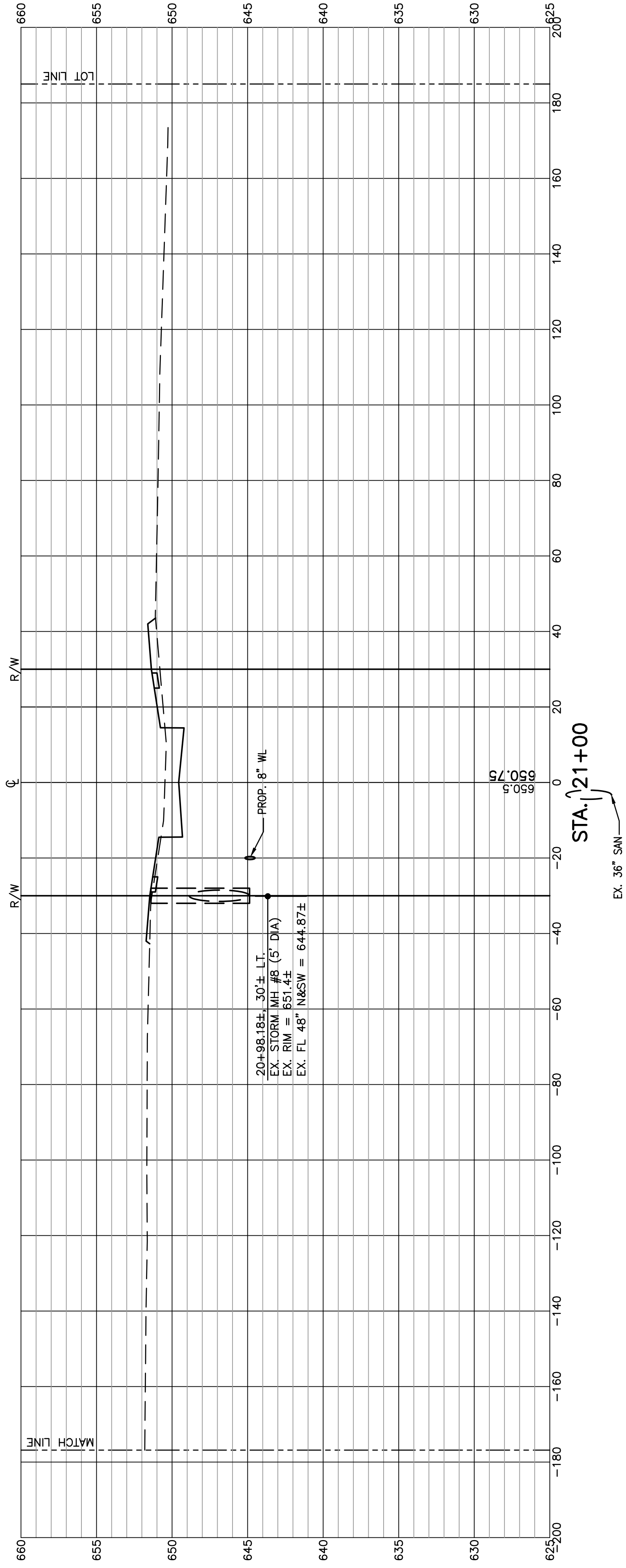
REV. NO.	REVISION	DATE

CROSS SECTIONS

PROJECT: COVENTRY POINTE PLAT FIVE RECORD
DRAWINGS
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

TITLE:	
SIGNED:	
DATE:	
SCALE:	AS NOTED
DATE:	9.10.2025
DESIGNED:	AMF
DRAWN:	RSP
CHECKED:	GNF
REVIEWED:	GNF
PROJECT:	10-08869
DRAWING:	10-08869D05A1-AB
SHEET	12 OF 18

© 2024 FELLER FINCH & ASSOC., INC.



RECORD CONSTRUCTION 9/10/25

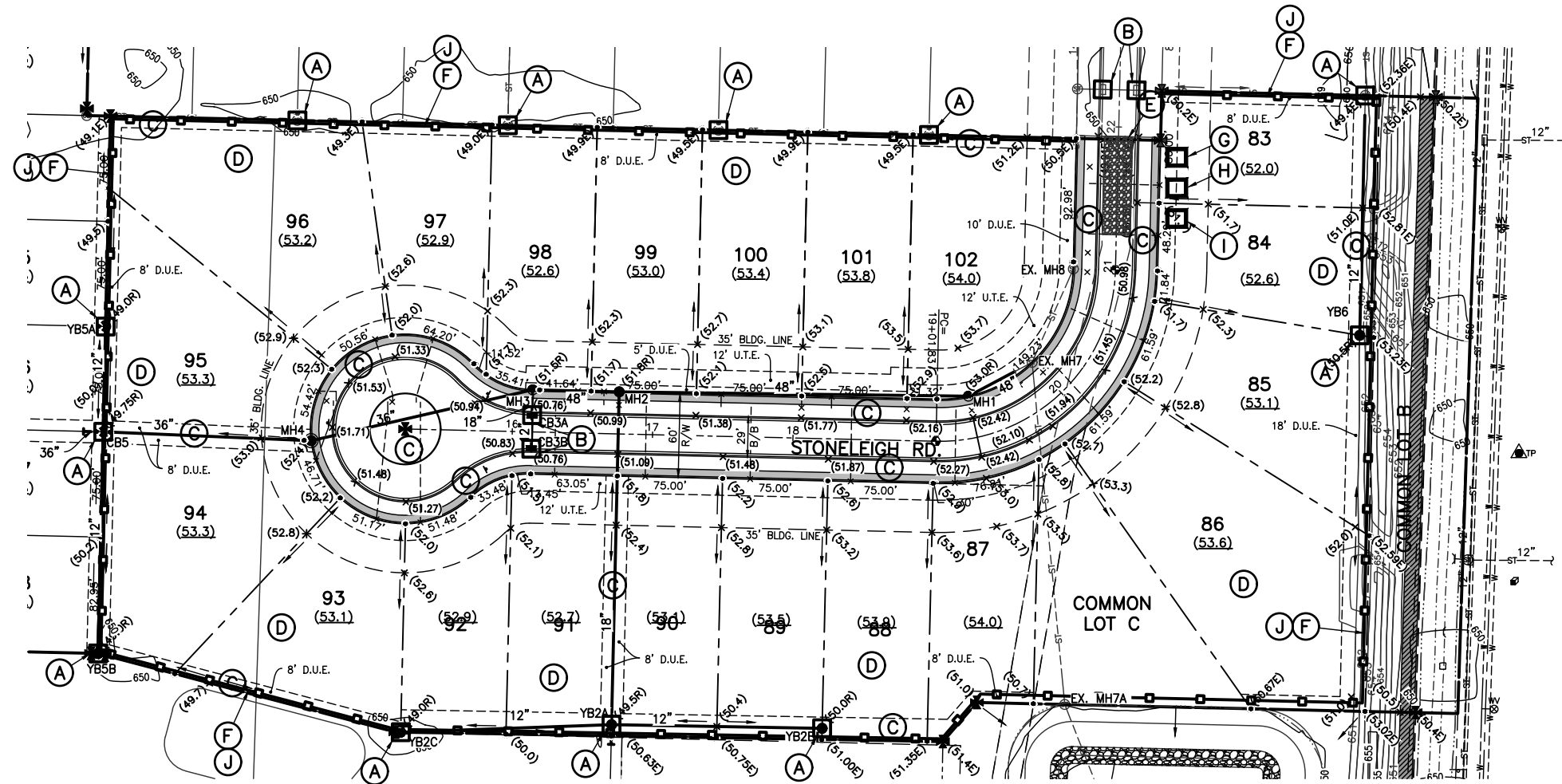
SIGNED	
DATE	
SCALE:	AS NOTED
DATE:	9.10.2025
DESIGNED: AMF	DRAWN: RSP
CHECKED: GNF	REVIEWED: GNF
PROJECT:	10-08869
DRAWING:	10-08869DPO5A1-AB

TITLE: CROSS SECTIONS
 PROJECT: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

REV. NO.	REVISION	DATE

FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors
 1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig
 OHIO811.org
 Before You Dig
 OHIO811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)



EASEMENT ABBREVIATIONS
 S.E. SANITARY EASEMENT
 D.U.E. DRAINAGE & UTILITY EASEMENT
 U.T.E. UTILITY & TOLEDO EDISON EASEMENT

BENCH MARK DATA

WOOD COUNTY BENCH MARK
 MC0668 USGS SURVEY DISC IN CONCRETE MONUMENT
 SOUTHWEST CORNER OF THE INTERSECTION OF HULL
 PRAIRIE ROAD & FIVE POINT ROAD.
 ELEVATION 650.10
SITE BENCH #201
 MAG NAIL SET IN WEST FACE OF 2ND POWER POLE SOUTH
 OF ROACHTON ROAD ON FORT MEIGS ROAD.
 ELEVATION 651.45
SITE BM #202
 MAG NAIL SET IN WEST FACE OF 1ST POWER POLE NORTH
 OF FIVE POINT ROAD ON FORT MEIGS ROAD.
 ELEVATION 653.08

LEGEND

- EXISTING GROUND ELEVATIONS
- EXISTING CONTOURS +000.00
- PROPOSED ELEVATIONS (00.0)
- PROPOSED GROUND ELEVATIONS AT HOUSE (00.0)
- PROPOSED = EXISTING (00.0E)
- PROPOSED TOP OF WALK ELEVATIONS (00.0W)
- PROPOSED RIM ELEVATIONS (00.0R)
- ADD 600.00 TO ALL PROPOSED SPOT ELEVATIONS.
- ALL PAVEMENT GRADES ARE TOP OF CURB.
- = IRON PIN (BY SURVEYOR)
- ⊕ = MONUMENT ASSEMBLY (ODOT RM-1.1) BY CONTRACTOR
- ⊗ = EXISTING MONUMENT ASSEMBLY
- ⊛ = MONUMENT ASSEMBLY (WOOD COUNTY, TYPE A) BY SURVEYOR
- ▬ = CONCRETE WALK & RAMPS BY OTHERS.
- ▬ = CONCRETE WALK BY CONTRACTOR.
- ▬ = 10' WIDE ASPHALT PATH BY CONTRACTOR.

LAWN INSTALLERS WILL BE REQUIRED TO CERTIFY THAT FERTILIZER APPLICATION RATES WILL NOT BE APPLIED IN EXCESS OF THE PHOSPHOROUS LOADING RATE NECESSARY TO ESTABLISH NEW LAWN AND LANDSCAPING.

EPSC LEGEND

- INLET PROTECTION FILTER (OR APPROVED EQUAL) (A)
- CURB INLET SEDIMENT FILTER (B)
- PERMANENT SEEDING AND MULCHING (R/W) (C)
- CONSTRUCTION SEEDING (D)
- CONSTRUCTION ENTRANCE (E)
- PERIMETER CONTROL (F)(J)
- CONCRETE WASHOUT AREA (G)
- MATERIALS STORAGE AREA (H)
- SWP3 RECORD LOCATION (I)

NOTE:
 A COMPLETE SWP3 PACKET SHOULD BE AVAILABLE ONSITE AT A MAILBOX OR JOB TRAILER AT ALL TIMES DURING WORKING HOURS. THE SWP3 PACKET SHALL INCLUDE:

- THE SWP3 PLANS
- A COPY OF THE NOI AND APPROVAL FROM THE EPA
- INSPECTION LOGS OF WEEKLY INSPECTIONS AND INSPECTIONS AFTER A 1/2" RAIN EVENT.
- SUB-CONTRACTOR SIGN-OFF LOGS, SHARING AWARENESS OF THE SWP3

..... SHALL BE IN CHARGE OF ALL INSPECTIONS AND FELLER, FINCH & ASSOCIATES, INC. SHALL BE IN CHARGE OF REVISIONS DURING CONSTRUCTION.

SEEDING AND MULCHING SHALL BE AS PER ODOT SPECIFICATION ITEM 659, USING SEEDING MIXTURE: 90% PERENNIAL RYEGRASS (LOLIUM PERRENNE) 10% ALSIKE CLOVER (TRIFOLIUM HYBRIDUM). SEEDING AND MULCHING SHALL INCLUDE ALL PROPOSED RIGHTS OF WAY, EASEMENTS, AND ALL DISTURBED AREAS WITHIN EXISTING CITY OF PERRYSBURG RIGHTS OF WAY.

1. CONSTRUCTION SEEDING AND MULCHING SHALL BE COMPLETED ON ALL DISTURBED AREAS WITHIN SEVEN (7) DAYS IF THESE AREAS ARE TO REMAIN UNDISTURBED FOR MORE THAN 14 DAYS.
2. PERMANENT OR CONSTRUCTION SEEDING AND MULCHING SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
3. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF CONSTRUCTION OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING & MATTING SHALL BE USED.

NOTE:
 MANHOLES TO BE KEPT OUT OF SIDEWALKS & DRIVEWAYS IF POSSIBLE.

NOTE:
 THE DEVELOPER IS RESPONSIBLE FOR KEEPING THE STORM SEWERS CLEAN DURING CONSTRUCTION UNTIL HOME LOT CONSTRUCTION IS COMPLETED.

NOTE:
 NO SURFACE WATER SHALL BE ALLOWED TO RUN OFF THE SITE UNTIL FINAL GRADING IS COMPLETED. THE CONTRACTOR SHALL DIVERT ALL SURFACE WATER TO REMAIN ON SITE; AND MAINTAIN ALL TEMPORARY SEDIMENT AND EROSION CONTROL FEATURES.

NOTE:
 THE CONTRACTOR SHALL INSTALL AND MAINTAIN A "CONSTRUCTION ENTRANCE" WHERE PROPOSED ROAD MEETS EXISTING ROAD. IT SHALL CONSIST OF A MINIMUM OF 6" OF 2" TO 3" SIZE STONE, 20 FEET WIDE AND 70 FEET IN LENGTH. THE LUMP SUM PRICE BID FOR ITEM 207 "TEMPORARY CONSTRUCTION ENTRANCE" SHALL INCLUDE ALL COSTS FOR INSTALLATION AND REMOVAL AS REQUIRED.

NOTE:
 THE HOME BUILDER SHALL INSTALL AND MAINTAIN A "GRAVEL CONSTRUCTION ENTRANCE" TO CONTROL THE TRACKING OF DEBRIS ONTO PUBLIC ROADS. IT SHALL CONSIST OF A MINIMUM OF 6" OF 2" TO 3" SIZE STONE, 20 FEET WIDE AND 40 FEET IN LENGTH.

SEE SHEET 10 FOR EXISTING WATER QUALITY OUTLET STRUCTURE.
 SEE EROSION CONTROL NOTES AND DETAILS ON SHEETS 14-16.
 SEE SHEET 16 FOR WATER QUALITY INFORMATION AND IMPLEMENTATION SCHEDULE

OWNER CERTIFICATION:
 I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME _____

RECORD CONSTRUCTION 9/10/25

UNDERGROUND UTILITIES
 Contact for working days
 before you dig
 OHIO811.org
 Before You Dig
 OHIO811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Maumee Phone: (419) 893-2982
 Fax: (419) 893-2982
 www.fellerfinch.com

FellerFinch
 & ASSOCIATES, INC.
 Engineers • Surveyors

REV. NO.	REVISION	DATE

EPSC PLAN
 PROJECT: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED _____
 DATE _____
 SCALE: AS NOTED
 DATE: 9.10.2025
 DESIGNED: AMF DRAWN: RSP
 CHECKED: GNF REVIEWED: GNF
 PROJECT: 10-08869
 DRAWING: 10-08869DP05A1-AB

SHEET 15 OF 18

D CONSTRUCTION SEEDING

Temporary Seeding Species Selection			
Seeding Dates	Species	Lb./1,000 ft. ²	Per Ac.
March 1 to August 15	Oats	3	4 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.
August 16 to November 1	Rye	3	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Wheat	3	2 bushel
	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Perennial Ryegrass	1	40 lb.
November 1 to Spring Seeding	Tall Fescue	1	40 lb.
	Annual Ryegrass	1	40 lb.
	Tall Fescue	1	40 lb.

Note: Other approved seed species may be substituted.

- Structural erosion- and sediment-control practices such as diversions and sediment traps shall be installed and stabilized with temporary seeding prior to grading the rest of the construction-site.
- Temporary seed shall be applied between construction operations on soil that will not be graded or reworked for 45 days or more. These idle areas should be seeded as soon as possible after grading or shall be seeded within 7 days. Several applications of temporary seeding are necessary on typical construction projects.
- The seedbed should be pulverized and loose to ensure the success of establishing vegetation. However, temporary seeding shall not be postponed if ideal seedbed preparation is not possible.
- Soil Amendments--Applications of adequate stands of vegetation which may require the use of soil amendments. Soil tests should be taken on the site to predict the need for lime and fertilizer.
- Seeding Method--Seed shall be applied uniformly with a cyclone seeder, drill, cultipacker seeder, or hydroseeder. When feasible, seed that has been broadcast shall be covered by raking or dragging and then lightly tamped into place using a roller or cultipacker. If hydroseeding is used, the seed and fertilizer will be mixed on-site and the seeding shall be done immediately and without interruption.

INSPECTION

Procedures in this SWP3 shall provide that all controls on the site are inspected at least once every seven calendar days and within 24 hours after any storm event greater than one-half inch of rain per 24-hour period. The inspection frequency may be reduced to at least once every month if the entire site is temporarily stabilized or runoff is unlikely due to weather conditions (e.g., site is covered with snow, ice, or the ground is frozen). A waiver of inspection requirements is available until one month before thawing conditions are expected to result in a discharge if all of the following conditions are met: the project is located in an area where frozen conditions are anticipated to continue for extended periods of time (i.e., more than one month); land disturbance activities have been suspended; and the beginning and ending dates of the waiver period are documented in the SWP3. The permittee shall assign qualified inspection personnel (those with knowledge and experience in the installation and maintenance of sediment and erosion controls) to conduct these inspections to ensure that the control practices are functional and to evaluate whether the SWP3 is adequate and properly implemented in accordance with the schedule proposed in Part III.G.1.g of this permit or whether additional control measures are required. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the SWP3 shall be observed to ensure that those are operating correctly. Discharge locations shall be inspected to ascertain whether erosion and sediment control measures are effective in preventing significant impacts to the receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site vehicle tracking.

The permittee shall maintain for three years following the submittal of a notice of termination form, a record summarizing the results of the inspections, names(s) and qualifications of personnel making the inspection, the date(s) of the inspection, signature of the inspector, major observations relating to the implementation of the SWP3 and a certification as to whether the facility is in compliance with the SWP3 and the permit and identify any incidents of non-compliance. The record and certification shall be signed in accordance with Part V.G. of the permit.

a. **When practices require repair or maintenance.** If the inspection reveals that a control practice is in need of repair or maintenance, with the exception of a sediment settling pond, it must be repaired or maintained within three days of the inspection. Sediment settling ponds must be repaired or maintained within 10 days of the inspection.

b. **When practices fail to provide their intended function.** If the inspection reveals that a control practice fails to perform its intended function and that another, more appropriate control practice is required, the SWP3 must be amended and the new control practice must be installed within 10 days of the inspection.

c. **When practices depicted on the SWP3 are not installed.** If the inspection reveals that a control practice has not been implemented in accordance with the schedule contained in Part III.G.1.g of this permit, the control practice must be implemented within 10 days of the inspection. If the inspection reveals that the planned control practice is not needed, the record must contain a statement of explanation as to why the control practice is not needed.

MAINTENANCE

All temporary and permanent control practice shall be maintained and repaired as needed to ensure continued performance of their intended function. All sediment control practices must be maintained in a functional condition until all up slope areas they control are permanently stabilized. The SWP3 shall be designed to minimize maintenance requirements. The applicant shall provide a description of maintenance procedures needed to ensure the continued performance of control practices.

MULCHING TEMPORARY SEEDING

1. Applications of temporary seeding shall include mulch which shall be applied during or immediately after seeding. Seedings made during optimum seeding dates and with favorable soil conditions and on very flat areas may not need mulch to achieve adequate stabilization.

2. Materials:

- Straw--If straw is used, it shall be unrotted small-grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bales). The mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000-sq.-ft. sections and spread two 45-lb. bales of straw in each section.
- Hydroseeders--If wood cellulose fiber is used, it shall be used at 2,000 lb./ac. or 46 lb./1,000 sq. ft.
- Other--Other acceptable mulches include mulch matings applied according to manufacturer's recommendations or wood chips applied at 6 tons/ac.

3. Straw mulch shall be anchored immediately to minimize loss by wind or water. Anchoring Methods:

- Mechanical--A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 6 in.
- Mulch Nettings--Nettings shall be used according to the manufacturer's recommendations. Netting may be necessary to hold mulch in place in areas of concentration runoff and on critical slopes.
- Asphalt Emulsion--Asphalt shall be applied as recommended by the manufacturer or at the rate of 160 gal./ac.
- Synthetic Binders--Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroset, Terra Tack or equal may be used at rates recommended by the manufacturer.
- Wood-Cellulose Fiber--Wood-cellulose fiber binder shall be applied at a net dry weight of 750 lb./ac. The wood-cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb./100 gal.

C D MULCHING

Specifications for Mulching

1. Mulch and/or other appropriate vegetative practices shall be applied to disturbed areas within 7 days of grading if the area is to remain dormant (undisturbed) for more than 14 days or on areas and portions of the site which can be brought to final grade.

2. Mulch shall consist of one of the following:

- Straw--Straw shall be unrotted small grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bales). The straw mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000-sq.-ft. sections and place two 45-lb. bales of straw in each section.
- Hydroseeders--Wood cellulose fiber should be used at 2,000 lb./ac. or 46 lb./1,000 sq. ft.
- Other--Other acceptable mulches include mulch matings applied according to manufacturer's recommendations or wood chips applied at 10-20 tons/ac.
- Mulch Nettings--Use according to the manufacturer's recommendations, following all placement and anchoring suggestions. Use in areas of water concentration and steep slopes to hold mulch in place.
- Asphalt Emulsion--For straw mulch, apply at the rate of 160 gal./ac. (0.1 gal./sq. ft.) into the mulch as it is being applied or as recommended by the manufacturer.
- Synthetic Binders--For straw mulch, synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroset, Terra Tack or equal may be used at rates recommended by the manufacturer.
- Wood Cellulose Fiber--Wood cellulose fiber may be used for anchoring straw. The fiber binder shall be applied at a net dry weight of 750 lb./acre. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb./100 gal. of wood cellulose fiber.

NON-SEDIMENT POLLUTANTS

No discharge of pollutants associated with dedicated asphalt and concrete plants are permitted on site. This includes, but is not limited to, the discharge of concrete or vehicle wash water.

No solid (other than sediment) or liquid waste, including building materials, shall be discharged in storm water runoff. All wastes must be disposed of in a proper manner in accordance with local, state & federal regulations.

It is prohibited to burn, bury or pour onto the ground or into a storm water conveyance system any solvent, paints, stains, gasoline, diesel fuel, hydraulic fluid, used motor oil, anti-freeze, cement curing compounds and other such solids or hazardous wastes. Any rinse waters containing such materials are prohibited from being placed where they may enter drainageways.

Fueling and equipment maintenance shall be performed in diked areas away from drainage channels.

All contaminated soils must be treated and/or disposed of in Ohio EPA approved solid waste management facilities. If hazardous substances such as oil, diesel fuel, anti-freeze, etc. are leaked onto the soil, the soil should be dug up and disposed of at the local licensed landfill. Spills of 25 gallons or more shall be reported to the OEPA, the local fire department and the local emergency planning committee.

Open burning of waste materials will not be permitted.

All materials stored on site shall be limited to areas which are protected to minimize the exposure of such materials to storm water.

C PERMANENT SEEDING

SITE PREPARATION

- A subsoiler, plow or other implement shall be used to reduce soil compaction and allow maximum infiltration. (Maximizing infiltration will help control both runoff rate and water quality.) Subsoiling should be done when the soil moisture is low enough to allow the soil to crack or fracture. Subsoiling shall not be done on slip-prone areas where soil preparation should be limited to what is necessary for establishing vegetation.
- The site shall be graded as needed to permit the use of conventional equipment for seedbed preparation and seeding.
- Resoil shall be applied where needed to establish vegetation.

SEEDBED PREPARATION

- Lime--Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shall be applied at the rate of 100 lb./1,000 sq. ft. or 2 tons/ac.
- Fertilizer--Fertilizer shall be applied as recommended by a soil test. In lieu of a soil test, fertilizer shall be applied at a rate of 12 lb./1,000 sq. ft. or 500 lb./ac. of 10-10-10 or 12-12-12 analysis.
- The lime and fertilizer shall be worked into the soil with a disk harrow, spring-tooth harrow, or other suitable field implement to a depth of 3 in. On sloping land the soil shall be worked on the contour.

SEEDING DATES AND SOIL CONDITIONS

Seeding should be done March 1 to May 31 or Aug 1 to September 30. These seeding dates are ideal but, with the use of additional mulch and irrigation, seedings may be made any time throughout the growing season. Tillage/seedbed preparation should be done when the soil is

MULCHING

- Mulch material shall be applied immediately after seeding. Seedings made during optimum seeding dates and with favorable soil conditions and on very flat areas may not need mulch to achieve adequate stabilization. Dormant seeding shall be mulched.

2. Materials

- Straw--If straw is used it shall be unrotted small-grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft. (two to three bales). The mulch shall be spread uniformly by hand or mechanically so the soil surface is covered. For uniform distribution of hand-spread mulch, divide area into approximately 1,000-sq.-ft. sections and spread two 45-lb. bales of straw in each section.
- Hydroseeders--If wood cellulose fiber is used, it shall be used at 2,000 lb./ac. or 46 lb./1,000 sq. ft.
- Other--Other acceptable mulches include mulch matings applied according to manufacturer's recommendations or wood chips applied at 6 tons/ac.

3. Straw Mulch Anchoring Methods

Straw mulch shall be anchored immediately to minimize loss by wind or water.

- Mechanical--A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 6 in.

dry enough to crumble and not form ribbons when compressed by hand. For winter seeding, see the following section on dormant seeding.

DORMANT SEEDINGS.

- Seedings shall not be planted from October 1 through November 20. During this period the seeds are likely to germinate but probably will not be able to survive the winter.
- The following methods may be used for "Dormant Seeding":
 - From October 1 through November 20, prepare the seedbed, add the required amounts of lime and fertilizer, then mulch and anchor. After November 20, and before March 15, broadcast the selected seed mixture. Increase the seeding rates by 50% for this type of seeding.
 - From November 20 through March 15, when soil conditions permit, prepare the seedbed, lime and fertilize, apply the selected seed mixture, mulch and anchor. Increase the seeding rates by 50% for this type of seeding.

- Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydro-seeder (slurry may include seed and fertilizer) on a firm, moist seedbed.
- Where feasible, except when a cultipacker type seeder is used, the seedbed should be firmed following seeding operations with a cultipacker, roller, or light drag. On sloping land, seeding operations should be on the contour where feasible.

IRRIGATION

- Permanent seeding shall include irrigation to establish vegetation during dry or hot weather or on adverse site conditions as needed for adequate moisture for seed germination and plant growth.
- Excessive irrigation rates shall be avoided and irrigation monitored to prevent erosion and damage from runoff.

Seed Mix	Seeding Rate		Notes:
	lb./ac.	lb./1,000ft. ²	
General Use			
Creeping Red Fescue Domestic Ryegrass Kentucky Bluegrass	20-40	1/2-1	
	10-20	1/4-1/2	
	10-20	1/4-1/2	
Tall Fescue	40	1	
Dwarf Fescue	40	1	
Steep Banks or Cut Slopes			
Tall Fescue	40	1	
Crown Vetch Tall Fescue	20	1/2	Do not seed later than August.
Flat Pea Tall Fescue	20	1/2	Do not seed later than August.
Road Ditches and Swales			
Tall Fescue	40	1	
Dwarf Fescue Kentucky Bluegrass	90	2 1/2	
Lawns			
Kentucky Bluegrass	60	1 1/2	
Perennial Ryegrass	60	1 1/2	
Kentucky Bluegrass Creeping Red Fescue	60	1 1/2	For shaded areas

Note: Other approved seed species may be substituted.

- Permanent seeding shall not be considered established for at least 1 full yr. from the time of planting. Seeded areas shall be inspected for failure and vegetation reestablished as needed. Depending on-site conditions, it may be necessary to irrigate, fertilize, overseed, or reestablish plantings in order to provide permanent vegetation for adequate erosion control.
- Maintenance fertilization rates shall be established by soil test recommendations or by using the rates shown in the following table.

Mixture	Formula	lb./ac.	lb./1,000 ft. ²	Time	Mowing
Creeping Red Fescue Ryegrass Kentucky Bluegrass	10-10-10	500	12	Fall, yearly or as needed.	Not closer than 3"
Tall Fescue	10-10-10	500	12		Not closer than 4"
Dwarf Fescue	10-10-10	500	12		Not closer than 2"
Crown Vetch Fescue	0-20-20	400	10	Spring, yearly following establishment and every 4-7 yr. thereafter	Do not mow
Flat Pea Fescue	0-20-20	400	10		Do not mow

Note: Following soil test recommendations is preferred to fertilizer rates shown above.

NOTES: IF SEASONAL CONDITIONS PROHIBIT THE ESTABLISHMENT OF VEGETATIVE COVER, OTHER METHODS OF STABILIZATION SUCH AS MULCHING WITH A TACKIFIER OR MATTING, MUST BE EMPLOYED AND MAINTAINED UNTIL A MORE PERMANENT METHOD CAN BE IMPLEMENTED.

STORMWATER CONTROLS (INLET PROTECTION, PERIMETER CONTROLS, SKIMMER, ECT.) STAY IN PLACE THROUGHOUT THE HOME BUILDING PHASE.

Table 1: Permanent Stabilization

Area requiring permanent stabilization	Time frame to apply erosion controls
Any areas that will lie dormant for one year or more	Within seven days of the most recent disturbance
Any areas within 50 feet of a surface water of the state and at final grade	Within two days of reaching final grade
Any other areas at final grade	Within seven days of reaching final grade within that area

Table 2: Temporary Stabilization

Area requiring temporary stabilization	Time frame to apply erosion controls
Any disturbed areas within 50 feet of a surface water of the state and not at final grade	Within two days of the most recent disturbance if the area will remain idle for more than 14 days
For all construction activities, any disturbed areas that will be dormant for more than 14 days but less than one year, and not within 50 feet of a surface water of the state	Within seven days of the most recent disturbance within the area
Disturbed areas that will be idle over winter	For residential subdivisions, disturbed areas must be stabilized at least seven days prior to transfer of permit coverage for the individual lot(s). Prior to the onset of winter weather

Where vegetative stabilization techniques may cause structural instability or are otherwise unobtainable, alternative stabilization techniques must be employed. Permanent and temporary stabilization are defined in Part VII.

RECORD CONSTRUCTION 9/10/25

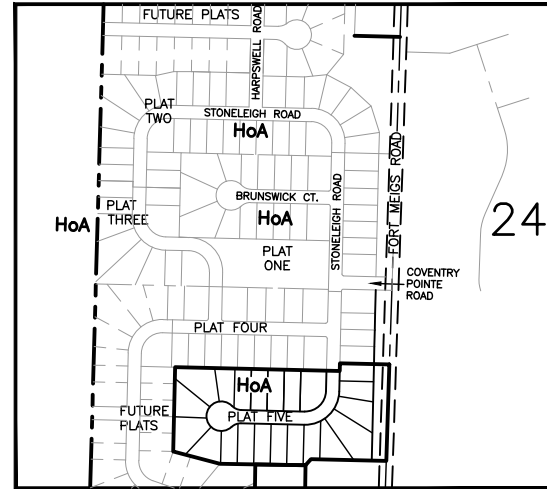
UNDERGROUND UTILITIES Contact Two Working Days Before You Dig OH0811, 8-1-1, or 1-800-362-2764 (Non-members must be called directly)	FellerFinch & ASSOCIATES, INC. Engineers • Surveyors	
	1683 Woodlands Drive, Maumee, Ohio 43537 Phone: (419) 893-3680 Fax: (419) 893-2982 www.fellerfinch.com	
	EPSC NOTES AND DETAILS	
	PROJECT: COVENRY POINTE PLAT FIVE RECORD DRAWINGS CITY OF PERRYSBURG, WOOD COUNTY, OHIO	
TITLE:	REVISION REV. NO.	DATE
SIGNED DATE	SCALE: AS NOTED DATE: 9.10.2025	DESIGNED: AMF DRAWN: RSP CHECKED: GNF REVIEWED: GNF PROJECT: 10-08869 DRAWING: 10-08869DPO5A1-AB
SHEET 17 OF 18		

IMPLEMENTATION SCHEDULE

- Phase I**
SITE PREPARATION PHASE
- ESTIMATED START: FEBRUARY 2025; ESTIMATED COMPLETION: FEBRUARY 2025
 - INSTALL CONSTRUCTION ENTRANCE
 - INSTALL SEDIMENT CONTROL MEASURES
 - BASIN AND SKIMMER ALREADY INSTALLED
 - CLEAR AND GRUB SITE. SEDIMENT CONTROLS TO BE INSTALLED WITHIN 7 DAYS OF GRUBBING ACTIVITY
 - STABILIZATION REQUIRED IF AREA WILL BE DORMANT FOR 14 DAYS OR LONGER
 - THE STORMWATER CONTROLS WILL REMAIN FOR THE DURATION OF THE CONSTRUCTION

- Phase II**
SITE UTILITY AND STREET PHASE
- ESTIMATED START: FEBRUARY 2025; ESTIMATED COMPLETION: MAY 2025
 - INSTALL UNDERGROUND UTILITIES
 - INSTALL INLET CONTROLS
 - INSTALL CONCRETE WASHOUT
 - EXCAVATE AND BUILD ROADWAYS
 - GRADE BACK OF CURB AND SWALES
 - COMPLETE ROUGH GRADING
 - INSTALL TEMPORARY SEEDING
 - STABILIZATION WILL BE REQUIRED DURING AND AFTER THIS PHASE
 - STORMWATER CONTROLS WILL REMAIN FOR DURATION OF THE CONSTRUCTION

- Phase III**
HOME BUILDING AND SITE FINISHES
- ESTIMATED START: MAY 2025; ESTIMATED COMPLETION: MAY 2026
 - HOME BUILDER TO APPLY FOR INDIVIDUAL LOT NOTICE OF INTENT (NOI)
 - INSTALL INDIVIDUAL FAMILY LOT EROSION CONTROLS
 - BUILD HOUSES
 - COMPLETE FINAL GRADING
 - INSTALL PERMANENT SEEDING
 - HOME BUILDER SUBMIT INDIVIDUAL LOT NOTICE OF TERMINATION (NOT) AS LOTS ARE STABILIZED
 - REMOVE SEDIMENT CONTROLS
 - DEVELOPER TO SUBMIT ENTIRE SITE NOT
 - STABILIZATION WILL BE REQUIRED DURING AND AFTER THIS PHASE



SOILS MAP
 (PER USDA WEB SOIL SURVEY WEBSITE)
 NTS
 HoA = HOYTVILLE CLAY LOAM

EX. SOUTH POND WATER QUANTITY	
STORAGE VOLUME REQUIRED	= 144,864 CU. FT.
STORAGE VOLUME PROVIDED	= 148,299 CU. FT.
NORMAL WATER ELEVATION	= 644.67
100 YR. WATER ELEVATION	= 648.67
10 YR. WATER ELEVATION	= 646.67

SUMMARY INFORMATION FOR STORM WATER QUALITY IN EX. NORTH POND

CONTRIBUTING DRAINAGE AREA	CONTRIBUTING DISTURBED AREA (AC.)	SEDIMENT BASIN (DURING CONSTRUCTION)			PERMANENT STORMWATER FACILITY (POST CONSTRUCTION)		
		DEWATERING VOLUME (CU. FT.)	SEDIMENT STORAGE VOLUME (CU. FT.)	SKIMMER ORIFICE SIZE (INCHES)	WATER QUALITY VOLUME-WQv (CU. FT.)	DETENTION TIME (HOURS)	WQv ORIFICE SIZE (SQ. IN.)
PLAT 4 = 10.77 AC. PLAT 5 = 7.77 AC. PLATS 4&5 = 18.54 AC	PLAT 4 = 10.73 AC. PLAT 5 = 8.75 AC. PLATS 4&5 = 19.48 AC	REQUIRED VOLUME = 33,372 PROVIDED VOLUME = 33,820	REQUIRED VOLUME = 19,480 PROVIDED VOLUME = 131,325	3.5"	N/A DURING CONSTRUCTION		
ENTIRE AREA = 35.36 AC	ENTIRE AREA = 35.03 AC	REQUIRED VOLUME = 63,648 PROVIDED VOLUME = 65,285	REQUIRED VOLUME = 41,506 PROVIDED VOLUME = 131,325	3.5"			

EX. SOUTH POND DATA	
TYPE OF CONSTRUCTION:	LOW DENSITY RESIDENTIAL
PLAT 5 AREA TO SOUTH POND:	7.77 AC.
PLATS 4&5 AREA TO SOUTH POND:	18.54 AC.
PLAT 5 DISTURBED AREA TO SOUTH POND:	8.75 AC.
PLATS 4&5 DISTURBED AREA TO SOUTH POND:	19.48 AC.
ENTIRE DISTURBED AREA TO SOUTH POND:	35.03 AC.
ENTIRE AREA DRAINING INTO SOUTH POND:	35.36 AC.
PRE-CONSTRUCTION RUNOFF COEFFICIENT:	0.10
POST-CONSTRUCTION RUNOFF COEFFICIENT:	0.50
IMPERVIOUS AREA:	2.8 AC.
% IMPERVIOUS AFTER CONSTRUCTION:	26%
SOIL TYPE (HYDROLOGIC GROUP):	D
PRIOR LAND USE:	CROP FARMING
RECEIVING STREAM:	FORT MEIGS DITCH
SEDIMENT STORAGE VOLUME REQUIRED FOR PLATS 4&5 (1000 CU. FT. PER DISTURBED ACRE)	19,480 CU. FT.
SEDIMENT STORAGE VOLUME REQUIRED FOR ENTIRE DISTURBED AREA TO SOUTH POND	41,506 CU. FT.
SEDIMENT STORAGE VOLUME PROVIDED - SOUTH POND	131,325 CU. FT.
DEWATERING VOLUME REQUIRED - PLATS 4&5 DRAINAGE AREA (1800 CU. FT. PER ACRE DRAINING IN)	33,372 CU. FT.
DEWATERING VOLUME REQUIRED - ENTIRE DRAINAGE AREA TO SOUTH POND	63,648 CU. FT.
DEWATERING VOLUME PROVIDED - (PLATS 4&5)	33,820 CU. FT.
DEWATERING VOLUME PROVIDED - ENTIRE DRAINAGE AREA TO SOUTH POND	65,285 CU. FT.
WATER QUALITY DETENTION VOLUME REQUIRED - ENTIRE AREA TO SOUTH POND	33,328 CU. FT.
WATER QUALITY DETENTION VOLUME PROVIDED - ENTIRE AREA TO SOUTH POND	33,820 CU. FT.

RECORD CONSTRUCTION 9/10/25

UNDERGROUND UTILITIES
 Contact before you dig
 Before You Dig

 OHIO811: 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Maumee Phone: (419) 893-2982
 Fax: (419) 893-2982
 www.fellerfinch.com

FellerFinch
ASSOCIATES, INC.
 Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: EPSC NOTES AND DETAILS
 PROJECT: COVENTRY POINTE PLAT FIVE RECORD DRAWINGS
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED: _____
 DATE: _____
 SCALE: AS NOTED
 DATE: 9.10.2025
 DESIGNED: AMF DRAWN: RSP
 CHECKED: GNF REVIEWED: GNF
 PROJECT: 10-08869
 DRAWING: 10-08869DPO5A1-AB
 SHEET 18 OF 18

SANITARY SEWER IMPROVEMENTS FOR *COVENTRY POINTE PLAT FIVE*

CITY OF PERRYSBURG, WOOD COUNTY, OHIO

INDEX OF SHEETS

TITLE SHEET	1
GENERAL NOTES AND DETAILS	2-5
PLAN AND PROFILE	6

BENCH MARK DATA

WOOD COUNTY BENCH MARK
MCO668 USGS SURVEY DISC IN CONCRETE MONUMENT SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE ROAD & FIVE POINT ROAD.
ELEVATION 650.10

SITE BENCH MARK #201

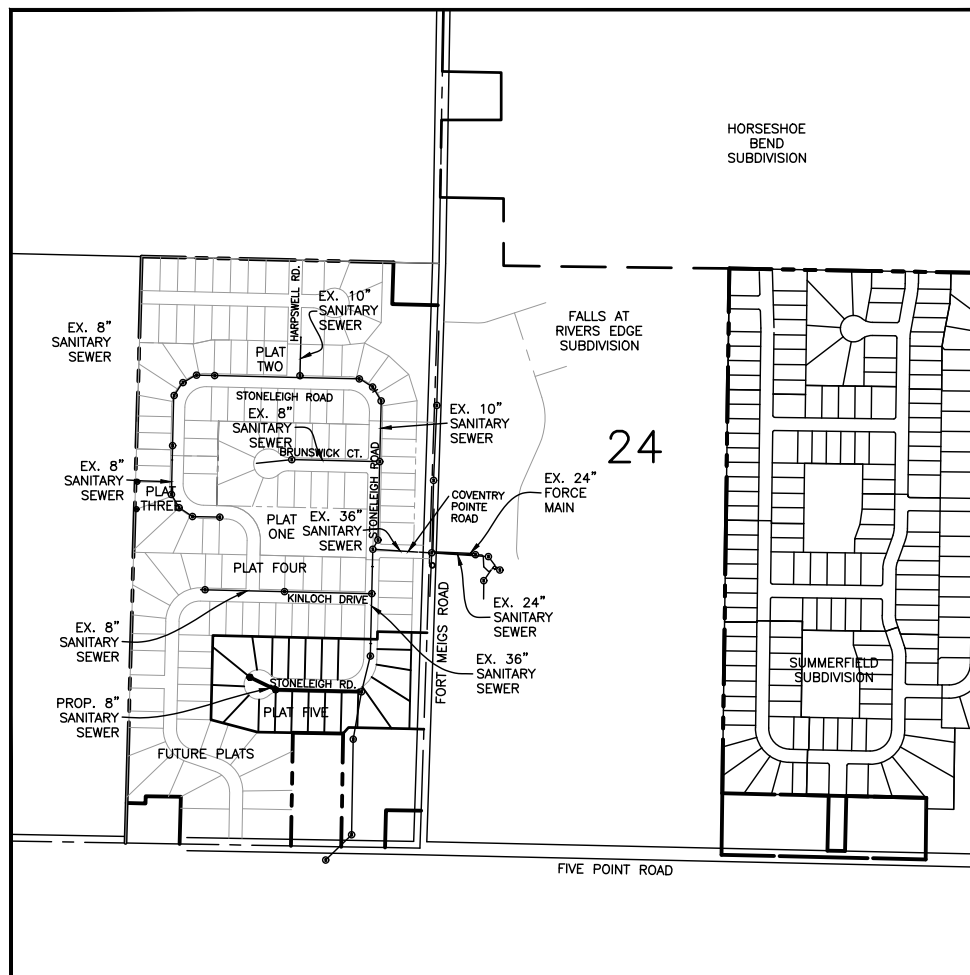
MAG NAIL SET IN WEST FACE OF 2ND POWER POLE SOUTH OF ROACHTON ROAD ON FORT MEIGS ROAD.
ELEVATION 651.45

SITE BENCH MARK #202

MAG NAIL SET IN WEST FACE OF 1ST POWER POLE NORTH OF FIVE POINT ROAD ON FORT MEIGS ROAD.
ELEVATION 653.08

CONVENTIONAL SIGNS

	PROPOSED	EXISTING
STORM SEWER	—ST—	—ST—
SANITARY SEWER	—S—	—S—
WATERLINE	—W—	—W—
CENTERLINE	—C—	—C—
SANITARY MANHOLE	●	⊙
STORM MANHOLE	●	⊙
CATCH BASIN	■	■
YARD BASIN	●	●
WATER VALVE IN MANHOLE	●	⊙
HYDRANT	▼	▼
TYPE B MONUMENT	⊕	⊕



SANITARY SEWER SUMMARY

ITEM	QTY	UNIT	DESCRIPTION
611	228	LIN. FT.	6" CONDUIT, TYPE B
611	388	LIN. FT.	6" CONDUIT, TYPE C
611	136	LIN. FT.	8" CONDUIT, TYPE B
611	376	LIN. FT.	8" CONDUIT, TYPE C
611	16.54	VERT. FT.	6" RISER
611	23.52	VERT. FT.	TYPE 2 MANHOLE INCLUDING CASTING (2)
NON-BID ITEMS			
7	EACH	6" ON 6" DBL. WYE	
2	EACH	6" ON 8" TEE WYE	
23	EACH	6" PLUG	

APPROVALS:

CITY OF PERRYSBURG _____ DATE _____
DIRECTOR OF PUBLIC UTILITIES
MATTHEW P. CHOMA, P.E.

DEVELOPED BY:

COVENTRY GLEN LTD.
3150 REPUBLIC BLVD.
SUITE 3
TOLEDO, OHIO 43615
PHONE: (419) 841-4831

NAME _____ DATE _____

KEEP ALL MANHOLES, VALVE BOXES AND APPURTENANCES OUT OF THE SIDEWALK, DRIVEWAYS AND PAVED AREAS.

RECORD CONSTRUCTION 9/10/25

UNDERGROUND UTILITIES
Contact for Working Days
Before You Dig

OHIO811.org
Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.

Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE SHEET

COVENTRY POINTE PLAT FIVE
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED _____
DATE _____

SCALE: AS NOTED
DATE: 9.10.2025
DESIGNED: AMF DRAWN: RSP
CHECKED: GNF REVIEWED: GNF
PROJECT: 10-08869
DRAWING: 10-08869SPO5A1-AB

© 2023 FELLER FINCH & ASSOCIATES, INC.

SHEET 1 OF 6

PART 1 GENERAL

1.1 SUMMARY

- A. Sanitary sewers, 48 inches in diameter and smaller.
B. Pavement for local roads.
C. Audio-DVD/CD taping of existing and new storm sewer interiors.

1.2 STANDARDS

- A. All materials and construction shall be in accordance with the Standards and Specifications of the City of Perryburg (the City Department of Public Service/Utilities, and/or the American Society for Testing and Materials (ASTM), and/or the Wood County Engineer, and/or the Ohio Department of Transportation (ODOT) Construction and Material Specifications (CMS). In case of conflict, City Standards and Specifications shall take precedence.
B. All references to Standards and Specifications are to the latest edition, unless otherwise noted.
C. The City's Pavement and Sanitary Sewer Standard Details apply to these specifications.

1.3 PRE-CONSTRUCTION MEETINGS, INSPECTION, AND PERMITS

- A. The Department of Public Utilities (419-872-8050), shall be notified seven calendar days prior to the beginning of actual construction.
B. Any work within the City's public rights-of-way requires a Street Opening Permit which is obtained from the City's Department of Public Utilities Office, at 211 East Boundary Street, 419-872-8050.
C. All sanitary sewer installation and testing shall be inspected by the City or its representative.
D. The City or its representative shall be present during all sanitary sewer TV inspection and taping.

1.4 DEFINITIONS

- A. Bedding: Material placed under, beside and directly over the pipe for the full width of the trench, from a depth of 4 inches below the outside bottom of the pipe barrel, when the pipe is laid on its final grade, up to a horizontal plane a distance of 12 inches above the top of the pipe barrel.

1.5 REGULATORY REQUIREMENTS

C:\Users\snommers\Desktop\11x17 sanitary specifications_revised_01-24-2017.docx

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

- A. Construction operations shall comply with the City's Noise and Vibration Control Ordinance, Section 634.11, as follows:
1. No person shall use any pile driver, shovel, hammer derrick, hoist tractor, roller or other mechanical apparatus operated by fuel or electric power in building or construction operations between 10:00 p.m. and 6:00 a.m. of the next day in a residential area or within 500 feet of a school or church, except for temporary conditions approved by the Director of Public Service.
2. No person shall perform any construction or repair work on any structure or building, or perform any excavation or road work, when such work entails the use of any power operated construction type device in such a manner that the noise created thereby substantially exceeds the noise customarily and necessarily attendant to the reasonable and efficient performance of such equipment.
3. Whoever violates any of the provisions of this section is guilty of a minor misdemeanor for a first offense and a misdemeanor of the fourth degree for any subsequent offense. Punishment shall be as provided in Ordinance Section 698.02.

- B. In accordance with Codified 1040.07, Rule 24 of the City's Streets, Utilities, and Public Services Code, "The sewer contractor shall be required, for two years after the completion of the work, to make all necessary repairs, including filling and seeding if settlement occurs." The sewer contractor is the Contractor responsible for the performance of the Work.
C. In existing streets, provide a temporary pavement upon completion of backfilling operations and maintain same until the permanent pavement can be placed. Temporary pavement shall be a minimum 2-inch thick asphalt concrete mix in accordance with ODOT Item 614.13.

1.6 QUALITY ASSURANCE

- A. Pipe Sewers, Manholes and Appurtenances:
1. The manufacturer shall furnish an affidavit indicating that all pipe, fittings, manholes, and appurtenances have been manufactured and tested in accordance with the requirements of the applicable referenced Standards. A copy of the affidavit, indicating the project on which the material is to be used, shall be forwarded to the City prior to construction.
2. All pipes, fittings, manholes, and appurtenances shall be appropriately marked for identification purposes. The materials and methods of manufacture, and completed pipes, fittings, manholes, and appurtenances shall be subject to inspection and rejection at all times. The City has the right to make all inspections.
B. Pipe Sewer Inspection:
1. Contractor shall have a minimum of 5 years experience in inspection of pipeline sewers in addition to TV-DVD/CD and summary reports.
2. Perform Work in accordance with the latest standards for TV-DVD/CD recording procedures.
3. Operation of equipment shall be controlled from above ground.
4. The City shall have access to view monitor at all times.

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

Table with 2 columns: Pipe Diameter, Minimum Slope in Feet per 100 feet. Rows include 27 inch, 30 inch, 33 inch, 36 inch, 42 inch, 48 inch.

- a minimum wall thickness of SDR 35 as defined in Section 7.4.1, and elastomeric joints and minimum socket depths in accordance with Sections 6.2 and 7.3.2; to be molded in one piece using ASTM D1784 having a cell classification of 1244-A or C or 1264-A; ASTM F477 gaskets having a minimum cross sectional area of 0.20 sq. in.

2.2 MANHOLES

- A. Materials
1. Precast Concrete Sections: ASTM C478.
2. Cast-In-Place Concrete: ODOT Class C Concrete.
3. Concrete Fill: ODOT Class F concrete.
4. Resilient Connectors: ASTM C923; A-Lok by A-Lok Corporation, Kor-N-Seal by National Pollution Control Systems, Inc. or as approved.
5. Rubber Gasket Joints: ASTM C443.
6. Flexible Plastic Gasket Material: Federal Specifications SS-S-210A and AASHTO M-198B; Hamilton-Kent Manufacturing Company, Concrete Sealants, Inc., or as approved.
7. Manhole Steps: ASTM C478.
8. Castings: ASTM A48, Class 30B heavy duty gray iron.
9. Mortar: ASTM C270, Type S with no masonry cement; compose using two parts Portland cement to two parts sand by volume.
10. Stone Fill: Standard size number 67 or number 57 stone or as otherwise approved.
11. Sewer Pipe and Fittings for Drop Connections and Pipe Sewer Plugs: Same type as pipe sewer; plugs to be specifically designed for use with the pipe, and shall be watertight, for permanent or temporary use, and removable without damaging the pipe; stainless steel anchor straps for inside drop connections with stainless steel anchors.
12. Grout: Non-shrink and non-corrosive; Five Star Grout, by Five Star Products, Sealight 588 Grout by W.R. Meadows, Inc., or as approved.
13. Joint Sealant: Madewell 806 Flexible Joint Sealant, Mastic.
B. Components:
1. Base: Base riser section with integral floor, provide resilient connectors for connecting pipes to manholes; provide transition sections when base is greater than 48 inch diameter.
2. Walls: Vertical precast concrete riser sections with rubber gasket joints; provide flexible plastic gasket material on the outside shoulder of the joints; external joint sealing bands on all joints; flexible plastic gasket material shall not interfere with proper sealing of the rubber gaskets.
3. Top: Eccentric cone top section narrowing down to a minimum 3 inch high vertical neck with an inside diameter of not less than 24 inches and outside diameter not less than that of grade rings, except reinforced flat slab top for manholes too shallow to accommodate a cone section; design flat slab tops to withstand H-20 traffic loading and

- submit design calculations to the City upon request; provide grade rings for a minimum height of 4 inches and a maximum height of 12 inches as required to set castings at proper elevation; ring inside diameter equal to the top section access opening, and outside diameter not less than the outside diameter of the casting frame.
4. Manhole Steps: Aluminum or reinforced polypropylene.
5. Manhole Frame and Cover:
a. Minimum Total weight of 375 pounds, machined bearing surfaces, frame with four equally spaced anchor bolts in the base flange; 24 inch diameter clear opening and 7 inch height, cover with words "CITY OF PERRYBURG, OHIO SANITARY" cast into top, and the following types:
1) Gasketed Covers: East Jordan Iron Works Cat. No. 1040A with Type A Heavy Duty solid cover, or as approved, with the cover having a factory-installed gasket and no open pickholes.
2) Gasketed Frame: East Jordan Iron Works Cat. No. 1045Z or as approved.
6. Drop Connections:
a. 12 inches Diameter and Smaller Inlet Pipe: Reliner Inside Drop System as manufactured by RelinerDuran, Inc. of Lyme, CT. Consists of a marine grade fiberglass drop bowl, "A" size for up to 8-inch inlet pipe and "B" size for 10 and 12-inch inlet pipe; minimum of two 1-1/2 inch wide 11 gage Type 304 stainless steel adjustable clamping brackets; manufacturers stainless steel fasteners as required for bowl size and length of drop pipe. Provide an ASTM D3034 PVC SDR 35 drop pipe sized for drop bowl with 45 degree elbow at outlet end and flexible coupling to connect pipe to bowl outlet.
b. Larger Than 12 inches Diameter Inlet Pipe: Consists of a tee at the upper end, a vertical section of pipe, and a 90 degree bend at the lower end. Encase outside drops in concrete with hook bolts and expansion shields. Secure inside drop in place with anchor straps and anchors. Diameter of drop connection to be two sizes smaller than the inlet sewer, but not less than 8 inches. Provide a plug in upstream end of tee when not immediately connected. Hardware for all internal drops shall meet the requirements of ASTM F593 Type 316, stainless steel

2.3 BEDDING MATERIALS

- A. Granular: ODOT Item 703, Size No. 67 or No. 57 crushed limestone.
B. Concrete Encasement: ODOT Class C concrete.

2.4 BACKFILL

- Earth Backfill: Excavated earth material. Use finely divided material, free of stones 3 inches or greater in any dimension, to at least 3 feet above pipe top.

- Granular Backfill: ODOT Item 304, crushed limestone.
C. Control Density Fill (CDF): A mix of Portland cement, fly ash and selected granular materials with a compressive strength of 100 psi; Kuhlman Corporation "K-Krete", or as approved.

1.7 RESTORATION

- A. All existing features that are disturbed due to construction activities, such as mailboxes, shrubs, bushes, guardrails, pavement markings, swales, sewers, catch basins, curbs, seeded areas, etc. shall be replaced to their original condition, unless otherwise specified, in accordance with current ODOT specifications and to the satisfaction of the City. Existing survey monuments, bench marks, property corner points, and control points damaged or disturbed by construction shall be replaced by a registered land surveyor, licensed in the State of Ohio.
B. Restoration of street openings shall be in accordance with the City's Standard Street Opening Repair Details.
C. In existing streets, provide a temporary pavement upon completion of backfilling operations and maintain same until the permanent pavement can be placed. Temporary pavement shall be a minimum 2-inch thick asphalt concrete mix in accordance with ODOT Item 614.13.

- D. Regrade and reshape all road shoulders and all ditches and swales from existing high points to existing drainage structures or other outlets along the proposed improvement. Ditches, which are reshaped, shall have reasonable side slopes. Vertical or steep slopes will not be permitted.
E. Seed all disturbed earth areas using the hydroseed method or placement of sod, both seed mixture and sod type shall be as approved by the City.

1.8 DESIGN REQUIREMENTS

- A. Sewers shall be of PVC plastic pipe and fittings.
B. The following are the minimum permissible slopes at which sanitary sewers shall be installed:
Table with 2 columns: Pipe Diameter, Minimum Slope in Feet per 100 feet. Rows include 6 inch, 8 inch, 10 inch, 12 inch, 15 inch, 18 inch, 21 inch, 24 inch.
C. Concrete Curbs: ODOT Item 609.04, Class C concrete.
D. Underdrains: ODOT Item 605 using pipe 706.06, 706.07, 706.08 or 707.41.

C:\Users\snommers\Desktop\11x17 sanitary specifications_revised_01-24-2017.docx

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

- MONUMENT ASSEMBLY (IN PAVED AREAS)
A. Neenah Foundry Company, R 1978 A2 with bolted lid.

2.7 CURB RAMP DETECTABLE WARNING TRUNCATED DOMES

- A. Materials:
1. Follow current ODOT Specifications 712.14 as modified herein.
2. Truncated Domes: Shall consist of cast-in-place reinforced polymer composite tiles.
3. Material supplied shall be red color, and installed by pressing tiles into place in the freshly poured concrete.
4. Material supplied and installed shall meet ODOT Standard Drawings and current approved products as listed at: http://www.dot.state.oh.us/Divisions/Engineering/Roadway/DesignStandards/Roadway/Pages/Approved%20Products.aspx (DETECTABLE WARNING)
B. Concrete: ODOT Class C.

PART 3 EXECUTION

3.1 SANITARY SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 (as modified by these specifications) and the requirements of these specifications.
B. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
C. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and to 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
D. Construct concrete encasement for sewers under creeks.
E. Install pipe at a minimum 10 feet horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the manhole as possible.
F. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stored streets, alleys, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in maximum

- 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.

- G. The top 5 feet of the trench shall be backfilled with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in maximum 12-inch loose layers and mechanically compact to not less than 100 percent of the maximum dry unit weight as determined in accordance with ASTM D698 (Standard Proctor), except where CDF is indicated on the Drawings.
H. For trenches within 5 feet from the edge of existing and proposed paved or stored streets, alleys, and parking areas, backfill with compacted granular material as specified above for trenches coming within same.

- I. For backfilling trenches in yard/grass areas, replace as much of the excavated material as possible. Until backfilling has progressed to a depth of at least 3 feet over the top of the pipe barrel, use finely divided material, free of stones 3 inches or greater in any dimension, boulders and other harmful debris, and place in 18-inch layers, loose measurement, and compact by mechanical tamping. Place remainder of backfill in maximum 12-inch layers, loose measurement, and compact by mechanical tamping.
J. For backfilling trenches within 5 feet of existing and proposed sidewalks and driveways, replace as much of the excavated material as possible. Until backfilling has progressed to a depth of at least 3 feet over the top of the pipe barrel, use finely divided material, free of stones 3 inches or greater in any dimension, boulders and other harmful debris, and place in 12-inch layers, loose measurement, and compact by mechanical tamping. In no case shall the compaction be less than 92% as determined by the Standard Proctor Test.

- K. Changes in pipe material to meet City Specifications shall occur only at manholes.

3.2 MANHOLES

- A. Install base with top surface level; install on cushion of approved compacted granular material, minimum 3 inches thick.
B. Install wall sections plumb and level. When walls include steps, install with steps in the center of a traffic lane or between lanes where possible when in pavement, and, when outside pavement, with steps located away from the pavement edge unless the manhole is within a ditch line, then locate steps on the high side of the ditch slope.

- 1. Use equipment specifically designed and constructed for closed-circuit sewer inspection.
2. Utilize camera with pan and tilt capabilities to view entire sewer and each lateral connection at multiple angles.
3. Provide appurtenances and artificial lighting, as required to enhance the quality of the inspection.
4. Use equipment capable of traveling upstream and downstream.

- C. Inspection Operations
1. The camera shall be moved through the pipe sewer in either direction at a moderate rate (at no time shall the speed be greater than 30 feet per minute).
2. The camera shall be stopped when necessary to permit proper documentation of the sewer's condition.
3. All service connections and inlets shall be noted on the tape.
4. Manual winches, power winched, TV cable and powered rewinds or other devices that do not obstruct the camera view or interfere with proper documentation of the sewer conditions shall be used to move the camera through the sewer line.

- 5. When manually operated winches are used to pull the television camera through the sewer line, telephones or other suitable means of communication shall be set up between the two manholes on the section being inspected to insure good communications between members of the crew.
6. Documentation made during inspection operations must conform to the following guidelines:
a. Meet minimum standards for CCTV inspection of sewers as prepared by the National Association of Sewer Service Companies (NASSCO).
b. Log Sheet: A written log sheet must accompany each DVI/DCD.
c. For new sewers, Contractor shall utilize and make reference to manhole numbering as shown and indicated on the project Drawings.
d. For existing sewers, Contractor shall prepare and provide a map indicating manhole numbering.
e. Reference to new and existing manhole numbers on the DVI/DCD, summary report, and pictures shall be consistent with the numbering sequence on the Drawings and on the map provided by Contractor.

3.6 LOCAL ROADS (UNLESS OTHERWISE APPROVED OR DIRECTED)

- A. Prepare subgrade in accordance with ODOT Item 203. Where it is necessary to construct pavement subgrade in fill, remove the existing topsoil beneath the proposed subgrade.
B. Asphalt Concrete Pavement:
1. 1-1/2 inches ODOT Item 448, Type 1 (medium traffic) Surface Course, PG 64-22.
2. 2 inches ODOT Item 448, Type 2 (medium traffic) Intermediate Course, PG 64-22.

UNDERGROUND UTILITIES Contact Two Working Days Before You Dig HOH811.org Before You Dig OH0811, 8-1-1, or 1-800-362-2764 (Non-members must be called directly)

1683 Woodlands Drive, Maumee, Ohio 43537 Phone: (419) 893-3680 Fax: (419) 893-2982 www.fellerfinch.com

FellerFinch & ASSOCIATES, INC. Engineers • Surveyors

Table with 2 columns: REV. NO., DATE

GENERAL NOTES AND DETAILS COVENTRY POINTE PLAT FIVE CITY OF PERRYBURG, WOOD COUNTY, OHIO

PROJECT: 10-08869 DRAWING: 10-08869SP05A1-AB SHEET 2 OF 6

RECORD CONSTRUCTION 9/10/25

P:\Projects\10EB869 Coventry Pointe\DWG\10-08869SP05A1-AB.dwg, 2. 9/10/2025 11:54:11 AM, rpawicki

- 3. 10 inches ODOT Item 304, Aggregate Base (placed in 2 lifts).
- 4. On aggregate base, apply ODOT Item 408 Prime Coat at rate of 0.35 gallons per square yard. Installation to be directed by the City.
- 5. ODOT Item 407; apply tack coat at the rate of 0.04 gallons per square yard to be placed between intermediate and surface courses and joints.
- 6. Sealer for Contact and Mating Surfaces and Joints: Comply with ODOT Items 401.14 and 401.17.
- 7. Pavement Sealer: When requested by and as approved by the City.

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

- 2. Contractor shall pay for any retesting required to meet specifications.
- D. Deflection Test:
 - 1. Test 8-inch diameter and larger PVC plastic pipe for a maximum deflection of 5 percent not less than 30 days after final full backfill has been placed, as determined by the City.
 - 2. Conduct deflection tests with a representative of City present.
 - 3. Repair or replace pipes exceeding a deflection of 5 percent and then retest until satisfactory test results are obtained. Retesting shall not take place prior to 30 days after pipe repair/replacement and backfill has occurred. For sewers requiring retesting for deflection and previously tested for leakage, upon obtaining satisfactory deflection test results, retest the affected sewer section for leakage.
 - 4. Conduct tests by pulling an approved deflection probe, having a diameter not less than 95 percent of the base inside diameter or average inside diameter of the pipe depending on which is specified in the ASTM Specification, including the appendix, to which the pipe is manufactured, through the sewer line without mechanical pulling devices. Have a proving ring with an inside diameter equal to the outside diameter of the probe available at the time the probe is used to verify that the probe has the proper diameter by inserting the probe into the ring. The pipe shall be measured in accordance with ASTM D2122.
 - 5. Deflection Probe: By Wortco, Inc., Burke Concrete Accessories, Inc., or as approved; designed specifically for testing the deflection of the type and size of pipe subject to test, and complying with the following:
 - a. Odd number (no less than 9) of 1/2 inch by 3/16 inch bar stock runners equally spaced on edge around and welded to the circumference of a ring of two minimum 1/4 inch thick circular steel plates.
 - b. Distance between plates, out-to-out, of not less than 2 inches smaller than the nominal diameter of the pipe to be tested, with runners extending approximately 1-1/2 inches beyond each plate being bent inward for this distance at approximately 30 degrees.
 - c. Continuous 3/4-inch threaded rod through the center of the plates, having a hex nut drawn tight against the inside face of each plate, and extending each side as required for providing a 3/4-inch ferrule loop insert or similar piece for attaching the pulling medium.

- c. Judgment of City's representative as to the acceptance of tests is final.
- 2. Preparation:
 - a. Test each section of pipe for obstructions prior to testing for leakage using mandrels, solid cylinders, or balls with diameters of 95 percent of the pipe diameter. Remove obstructions.
 - b. Determine ground water level by installing ground water gages in manholes as selected by the City. Gages shall consist of a rigid section of 1/2 inch diameter pipe, approximately 10 inches long, inserted horizontally through the manhole wall as near as possible to pipe crown, sealing any opening around the pipe water-tight, and a clear plastic tube attached to the pipe within the manhole and extended vertically to the top of the manhole. Prior to connecting the tube, blow air through the pipe with sufficient pressure to clear the line. Upon satisfactory completion of leakage testing, remove gages and permanently close openings in the manhole walls with non-shrink and non-metallic grout.
 - c. Conduct an infiltration test on the main line sewer when pipe crown is covered with two feet or more of water at the highest point in the test section. Should ground water not provide sufficient head, flood trench within test section, bulkheading each end, to obtain or maintain the specified external head.
 - d. Plugs used during leakage tests shall be of a length at least equal to the diameter of the pipe being tested to ensure a watertight seal.
- 3. Infiltration Tests:
 - a. The length of sewer subject to each test shall be the distance between two adjacent manholes as a minimum, 700 feet as a maximum, but shall be left to the discretion of the City.
 - b. Isolate test section and cap or plug all service connections and stubs within the section to prevent the entry of ground water.
 - c. Measure infiltration by a V-notch weir located in the downstream manhole.
 - d. Maintain test head for not less than 24 hours before a weir measurement is made.
 - e. Maximum allowable leakage, including manholes, shall be 100 gallons per inch of diameter per mile of pipe per day.
- 4. Exfiltration Tests
 - a. The length of sewer subject to an exfiltration test shall be the distance between two adjacent manholes as a minimum, 700 feet as a maximum, but shall be left to the discretion of the City.
 - b. Close upstream and downstream manhole inlets with water-tight plugs and fill the test section with water until the elevation of the water in the upstream manhole is 2 feet above pipe crown in the line being tested, or 2 feet above the existing ground water in the trench, whichever is higher.

MANHOLE DEPTH	MANHOLE DIAMETER *		
	8"	96"	108"
8' or less	40	48	56
10'	50	58	67
12'	59	69	79
14'	68	80	92
16'	77	91	104
18'	87	102	116
20'	97	113	129
22'	106	123	140
24'	116	135	152
26'	125	148	168
28'	135	157	179
30'	144	168	192
32'	154	179	204
34'	162	190	217
36'	172	201	229
38'	182	213	242
40'	191	223	254

* When there is a transition involved, add the times for each size based on the depth associated with each size.

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

3.10 MAINTENANCE OF TRAFFIC
Two way traffic shall be maintained at all times on dedicated roads. If construction along dedicated roads interferes with traffic, Contractor shall provide two flaggers and other traffic control devices in accordance with the latest edition of the Ohio Manual of Uniform traffic Control Devices

C:\Users\insommers\Desktop\11x17 sanitary specifications_revised_01-24-2017.docx

C:\Users\insommers\Desktop\11x17 sanitary specifications_revised_01-24-2017.docx

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

- c. A standpipe may be used instead of the upstream manhole for providing the pressure head when approved by the City.
- d. Measure exfiltration by determining the amount of water required to maintain the initial water elevation for 1 hour from the start of the test.
- e. Maximum allowable leakage, including manholes, shall be 100 gallons per inch of diameter per mile of pipe per day.
- 5. Air Tests:
 - a. Conduct an air test between each two consecutive manholes.
 - b. Pneumatic plugs shall be able to resist internal pressures without external blocking.
 - c. Plug each end of the section to be tested and all pipe outlets in the section with suitable test plugs.
 - d. One plug used at a manhole shall have an inlet tap or other provision for connecting an air hose from the air supply equipment.
 - e. The equipment shall include valves to control the rate at which air flows into the test section and pressure gages with minimum graduations of 0.1 psi and an accuracy of ±0.04 psi to monitor the air pressure within the test section.
 - f. Apply air pressure slowly to the test section until the pressure reaches 4.0 psi, plus an adjustment of 0.433 psi for each foot of ground water above the pipe crown in the line being tested. Internal air pressure, including adjustment for ground water, should never exceed 5.0 psi.
 - g. When the pressure reaches 4.0 psi, plus adjustment for ground water, throttle the air supply so that the internal pressure is maintained between 4.0 and 3.5 psi for at least 2 minutes to permit temperature stabilization. When the pressure has stabilized and is at or above 3.5 psi, disconnect the air supply, start a stopwatch, and allow stopwatch to run until the pressure has dropped 1.0 psi.
 - h. Sewers of Plastic Pipe 27 Inches Diameter and Smaller: Calculate the permissible time allocated for the 1.0 psi pressure drop on the basis of the diameter and length of main sewer tested, no adjustment being made for service connections included in the test section. The air test for a section shall be considered acceptable if the time elapsed for the 1.0 psi pressure drop is equal to or greater than the time indicated, and shall be considered unacceptable if the elapsed time is less than that indicated in the following table:

DIAMETER	100'	150'	200'	250'
4"	3:46	3:46	3:46	3:46

DIAMETER	100'	150'	200'	250'
15"	26:42	31:09	35:36	40:04
18"	38:27	44:52	51:16	57:41
21"	52:21	61:00	69:48	78:31
24"	68:22	79:46	91:10	102:33
27"	86:32	100:57	115:22	129:48

DIAMETER	300'	350'	400'	450'
4"	3:46	3:46	3:46	3:46
6"	5:40	5:40	5:42	6:24
8"	7:36	8:52	10:08	11:24
10"	11:52	13:51	15:49	17:48
12"	17:05	19:56	22:47	25:38

DIAMETER	100'	150'	200'	250'
15"	26:42	31:09	35:36	40:04
18"	38:27	44:52	51:16	57:41
21"	52:21	61:00	69:48	78:31
24"	68:22	79:46	91:10	102:33
27"	86:32	100:57	115:22	129:48

- * Interpolate time for intermediate lengths.
- ** If the test section fails and service connections were included in the test, re-compute test time to include service connections in accordance with 9.6 of ASTM F1417.

- i. Sewers 30 Inches in Diameter and Larger: Conduct individual air tests at joints, and lift holes, along with visual inspection. Perform air tests in accordance with all applicable requirements, with a test to be acceptable if the pressure holds or drops less than 1 psi in 5 seconds.
- j. Sections may be air tested before backfilling the trench as a check for defects and workmanship, but such tests are at CONTRACTOR'S option and are not a substitute for tests required after backfilling has been completed.
- k. For main line sewers tested by infiltration or exfiltration, conduct air tests for the purpose of testing service connections even when the crown of the pipe is covered with 2 feet or more of water. For such tests, the internal air pressure shall never exceed 5.0 psi, and the acceptability of the tests will be based on the minimum holding time specified for the size of the main line sewer.

DIAMETER	100'	150'	200'	250'
4"	3:46	3:46	3:46	3:46

C:\Users\insommers\Desktop\11x17 sanitary specifications_revised_01-24-2017.docx

MANHOLE DEPTH	MANHOLE DIAMETER *		
	48"	60"	72"
8' or less	20	26	33
10'	25	33	41
12'	30	39	49
14'	35	46	57
16'	40	52	65
18'	45	59	73
20'	50	65	81
22'	55	72	89
24'	59	78	97
26'	64	85	105
28'	69	91	113
30'	74	98	121
32'	79	104	128
34'	83	110	136
36'	88	116	144
38'	93	122	152
40'	97	128	159

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OH0811.org
Before You Dig

OH0811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch
& ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: GENERAL NOTES AND DETAILS

PROJECT: COVENTRY POINTE PLAT FIVE
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED _____

DATE: 9.10.2025

SCALE: AS NOTED

DESIGNED: AMF DRAWN: RSP

CHECKED: GNF REVIEWED: GNF

PROJECT: 10-08869

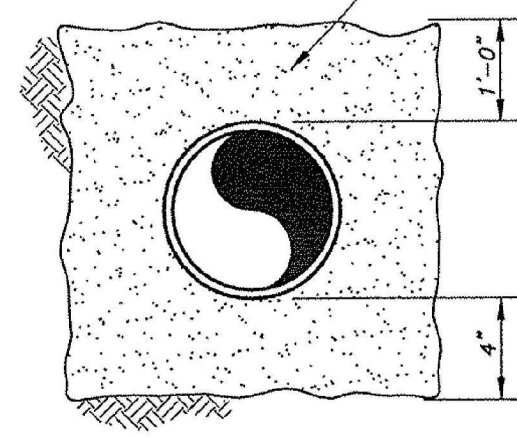
DRAWING: 10-08869SP05A1-AB

SHEET 3 OF 6

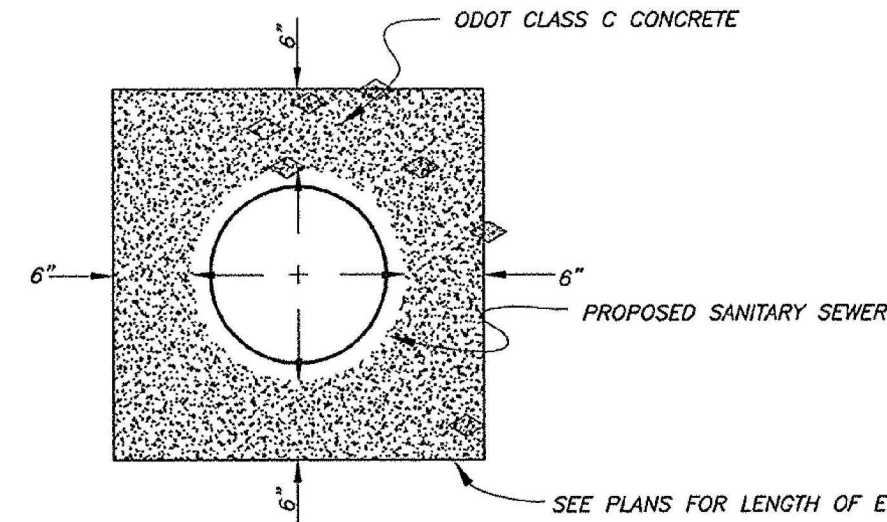
RECORD CONSTRUCTION 9/10/25

P:\Projects\10E08869 Coventry Pointe_Dwg\10-08869SP05A1-AB.dwg, 3. 9/10/2025 11:54:16 AM, rpwilckr

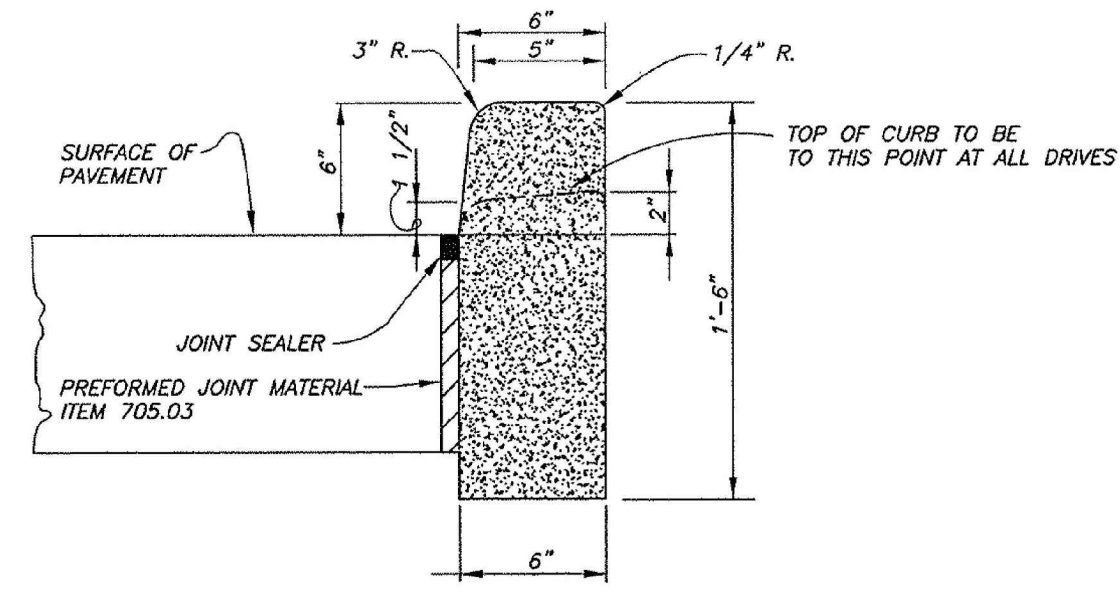
#67 LIMESTONE CONFORMING TO TABLE 703-1 OF THE STATE OF OHIO DEPT. OF TRANSPORTATION SPECIFICATIONS



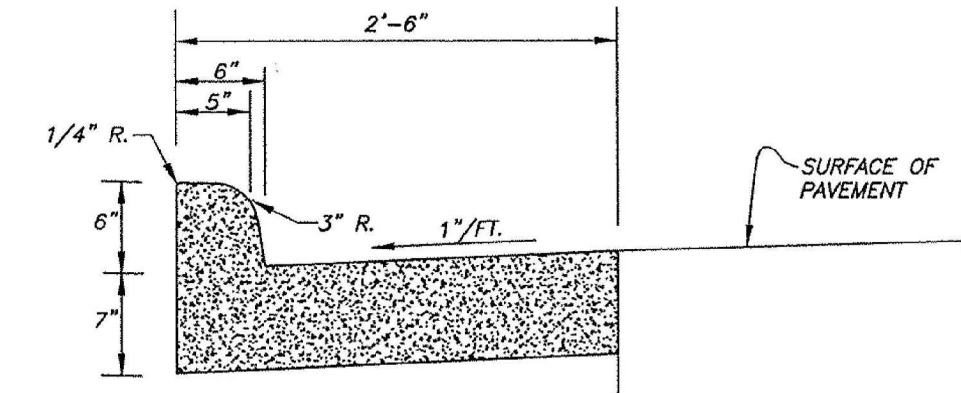
BEDDING DETAIL FOR PIPE SEWERS
NO SCALE



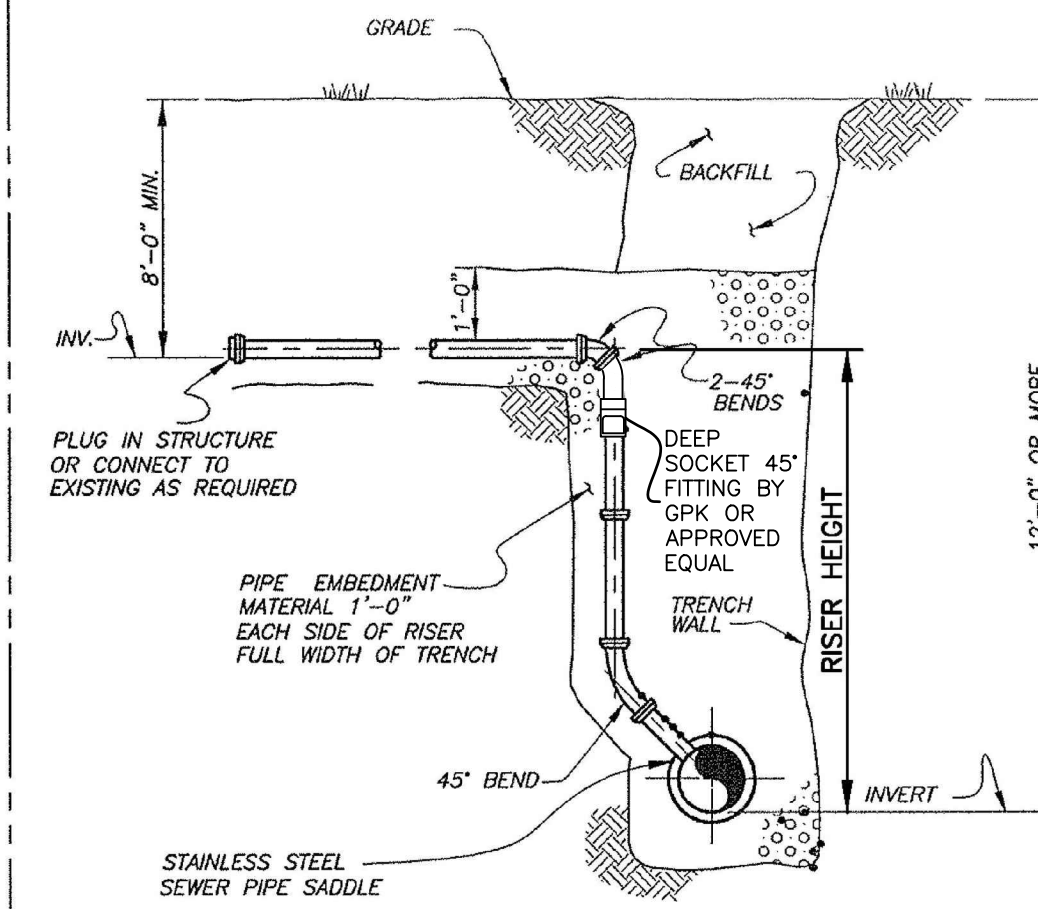
CONCRETE ENCASEMENT FOR SEWERS UNDER CREEKS
NO SCALE



ODOT TYPE 6 CURB REPLACEMENT
NO SCALE

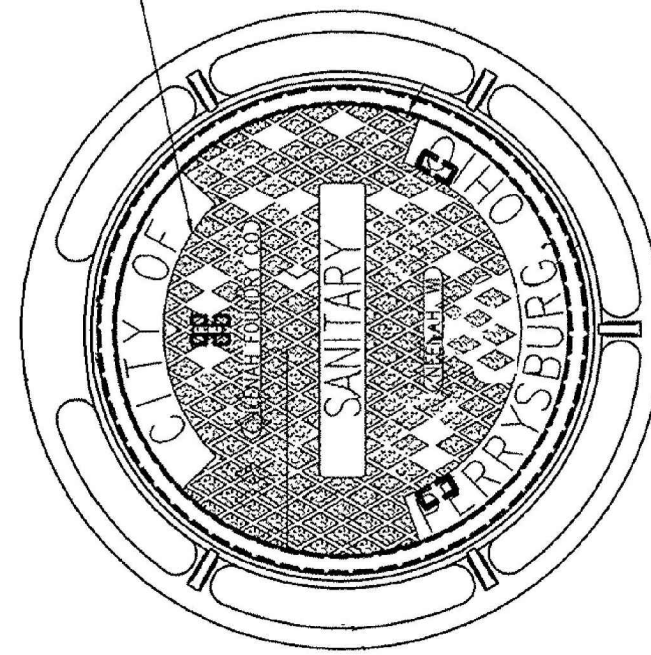


ODOT TYPE 2 COMBINATION CURB
NO SCALE



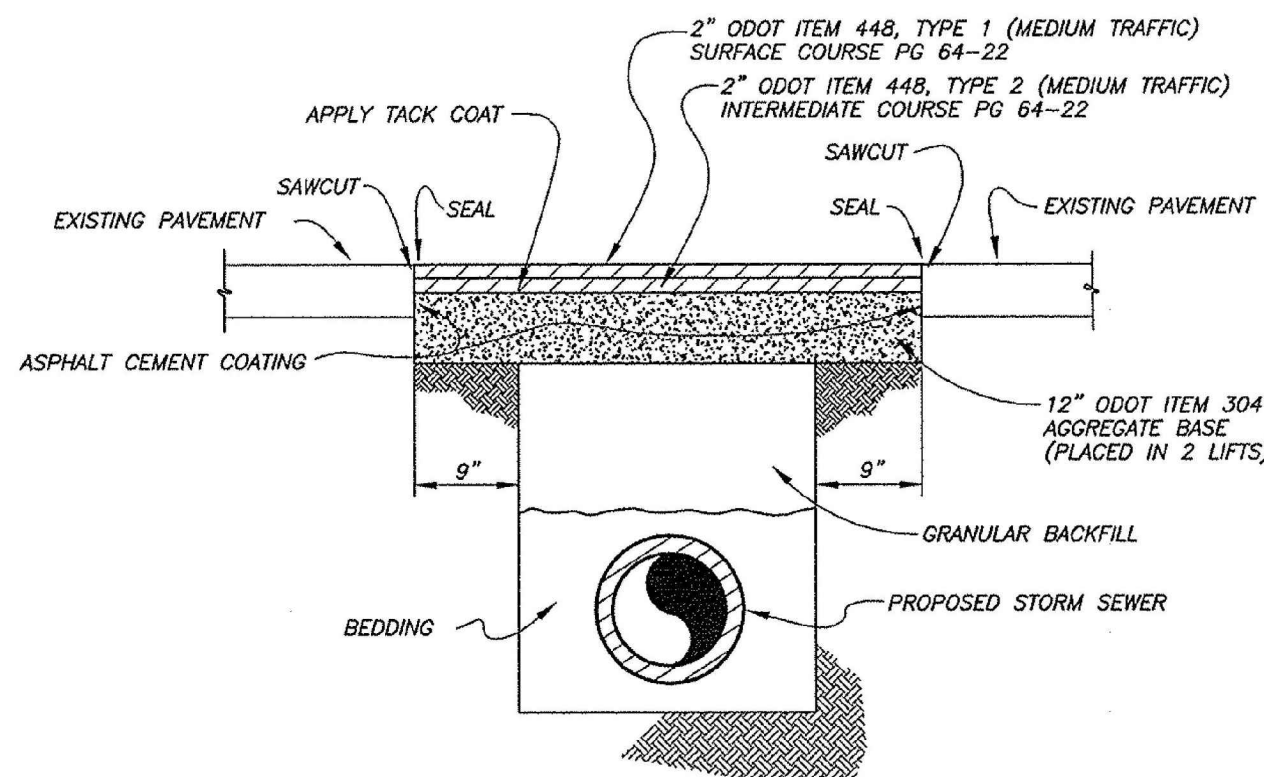
SECTION RISERS WHERE DEPTH OF MAIN SEWER EXCEEDS 12'-0"
SANITARY SEWER SERVICE CONNECTIONS OF SANITARY SEWERS 48" AND LESS
NO SCALE

2" HIGH RAISED LETTERS FLUSH W/ TOP SURFACE OF LID.

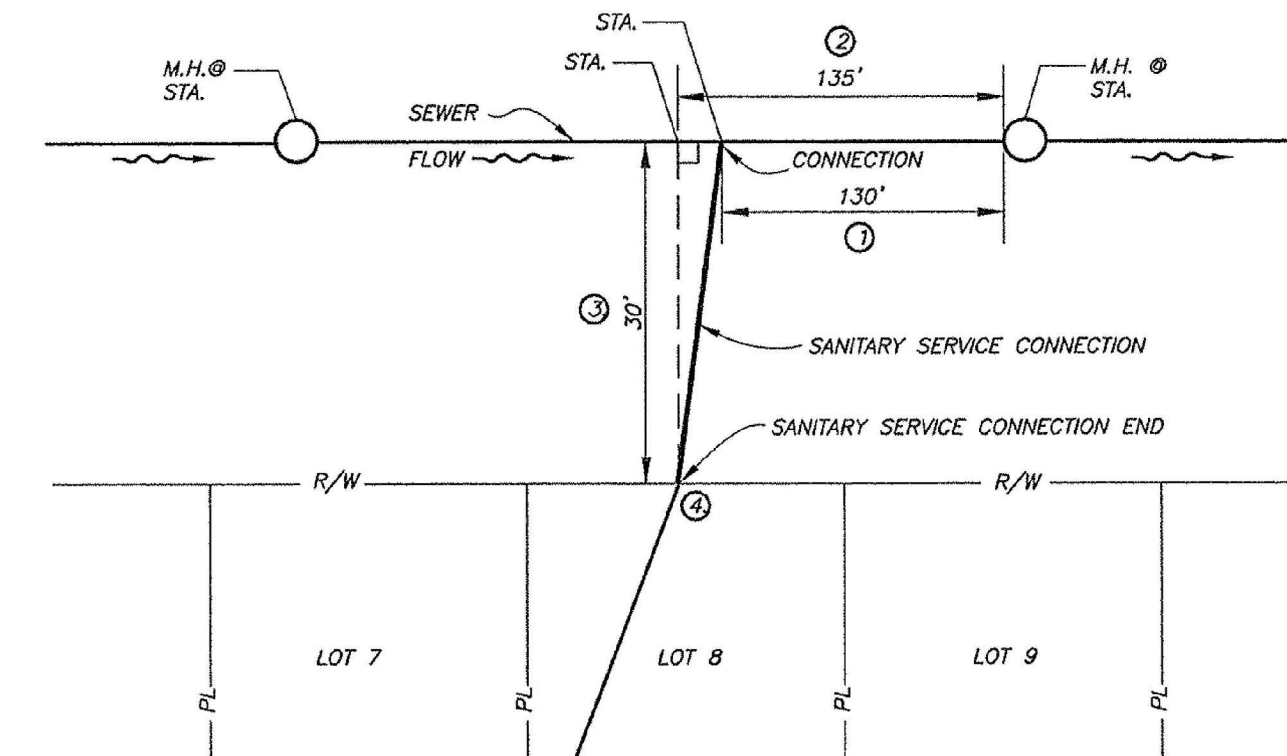


MANHOLE COVER
NO SCALE

EAST JORDAN IRON WORKS, INC., CATALOGUE 1040 WITH SOLID LID TYPE B OR AS APPROVED; MACHINED SURFACE, FRAME WITH 24 INCH DIAMETER CLEAR OPENING, AND 7 INCH HEIGHT, LIDS TO HAVE "CITY OF PERRYSBURG, OH" - "SANITARY" CAST INTO TOP.



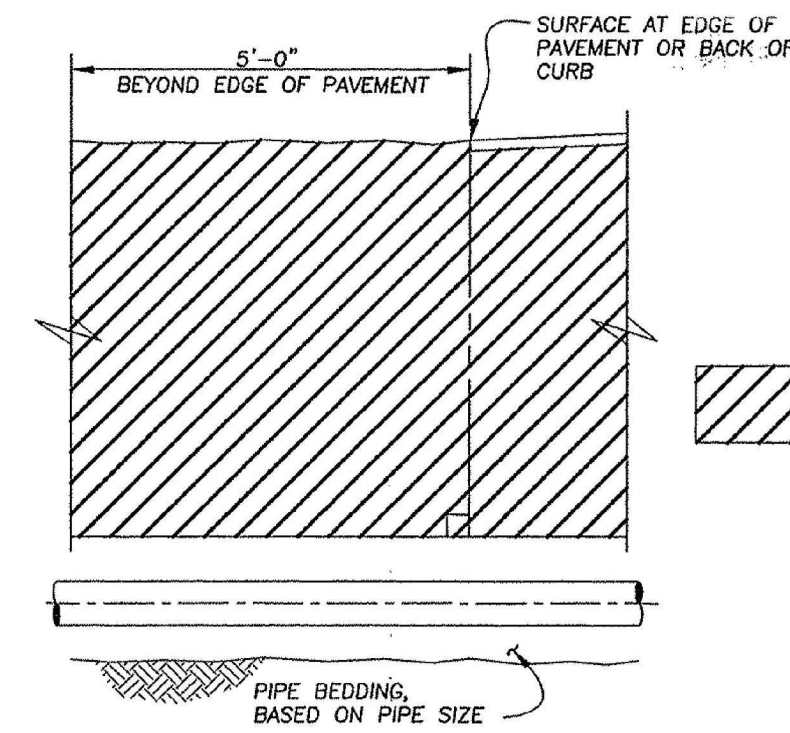
SECTION PERPENDICULAR STREET OPENING REPAIR DETAILS
NO SCALE



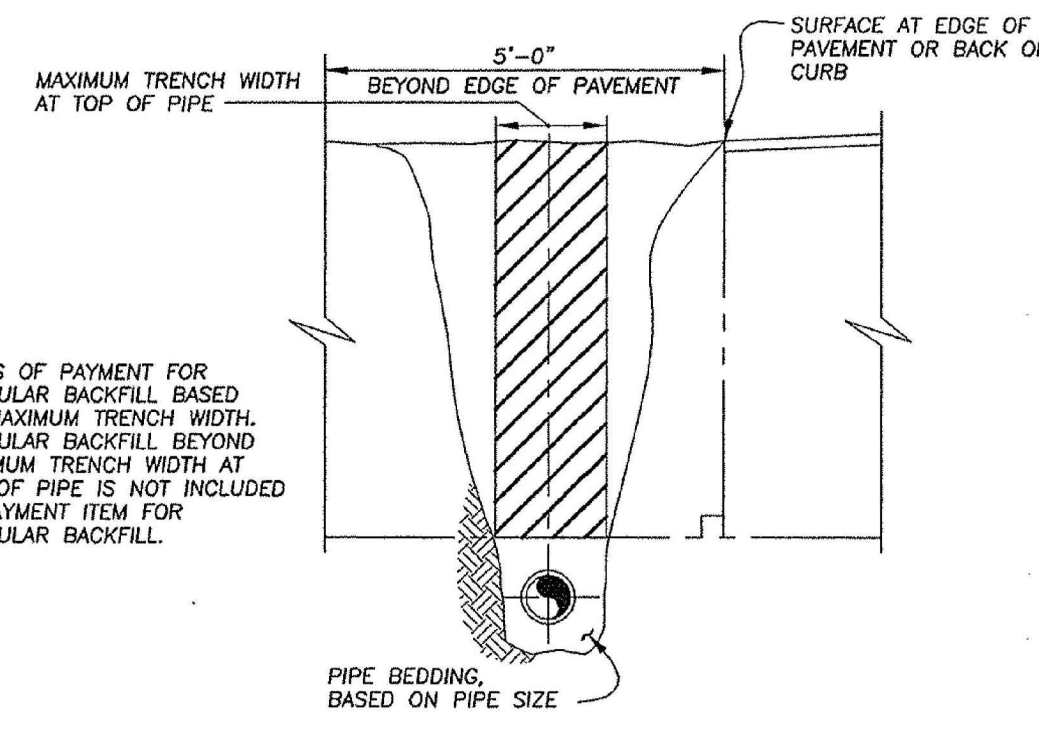
SANITARY SEWER SERVICE CONNECTION LOCATION REFERENCE
NO SCALE

NOTE:
 1. 130'
 2. 135'
 3. 30'
 4. 641.6

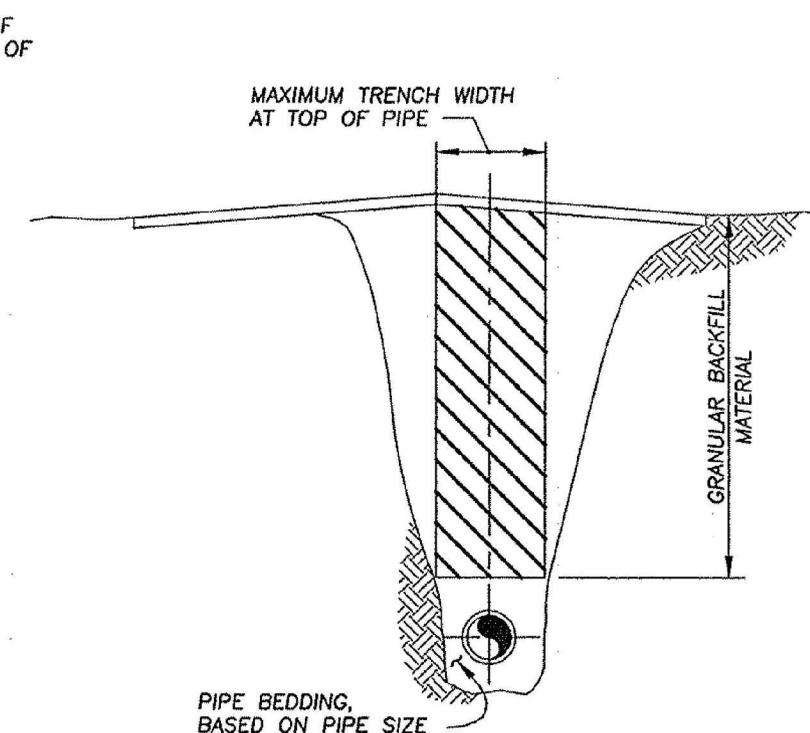
① HORIZONTAL DISTANCE OF CONNECTION TO DOWNSTREAM M.H.
 ② HORIZONTAL DISTANCE OF SANITARY SEWER SERVICE CONNECTION END TO DOWNSTREAM M.H. ALONG SEWER.
 ③ PERPENDICULAR DISTANCE FROM SEWER TO SANITARY SEWER SERVICE CONNECTION END.
 ④ ELEVATION OF SANITARY SEWER SERVICE CONNECTION END FLOW LINE.



CROSSING PAVEMENT WITHIN MAXIMUM TRENCH WIDTH



PARALLEL PAVEMENT WITHIN MAXIMUM TRENCH WIDTH



INSIDE PAVEMENT

LIMITS OF PAYMENT FOR GRANULAR BACKFILL BASED ON MAXIMUM TRENCH WIDTH. GRANULAR BACKFILL BEYOND MAXIMUM TRENCH WIDTH AT TOP OF PIPE IS NOT INCLUDED IN PAYMENT ITEM FOR GRANULAR BACKFILL.

GRANULAR BACKFILL
NO SCALE

REVISED	DECEMBER 2015

PAVEMENT AND SANITARY SEWER STANDARD DETAILS
CITY OF PERRYSBURG, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF WATER POLLUTION CONTROL

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
OHIO811.org
Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

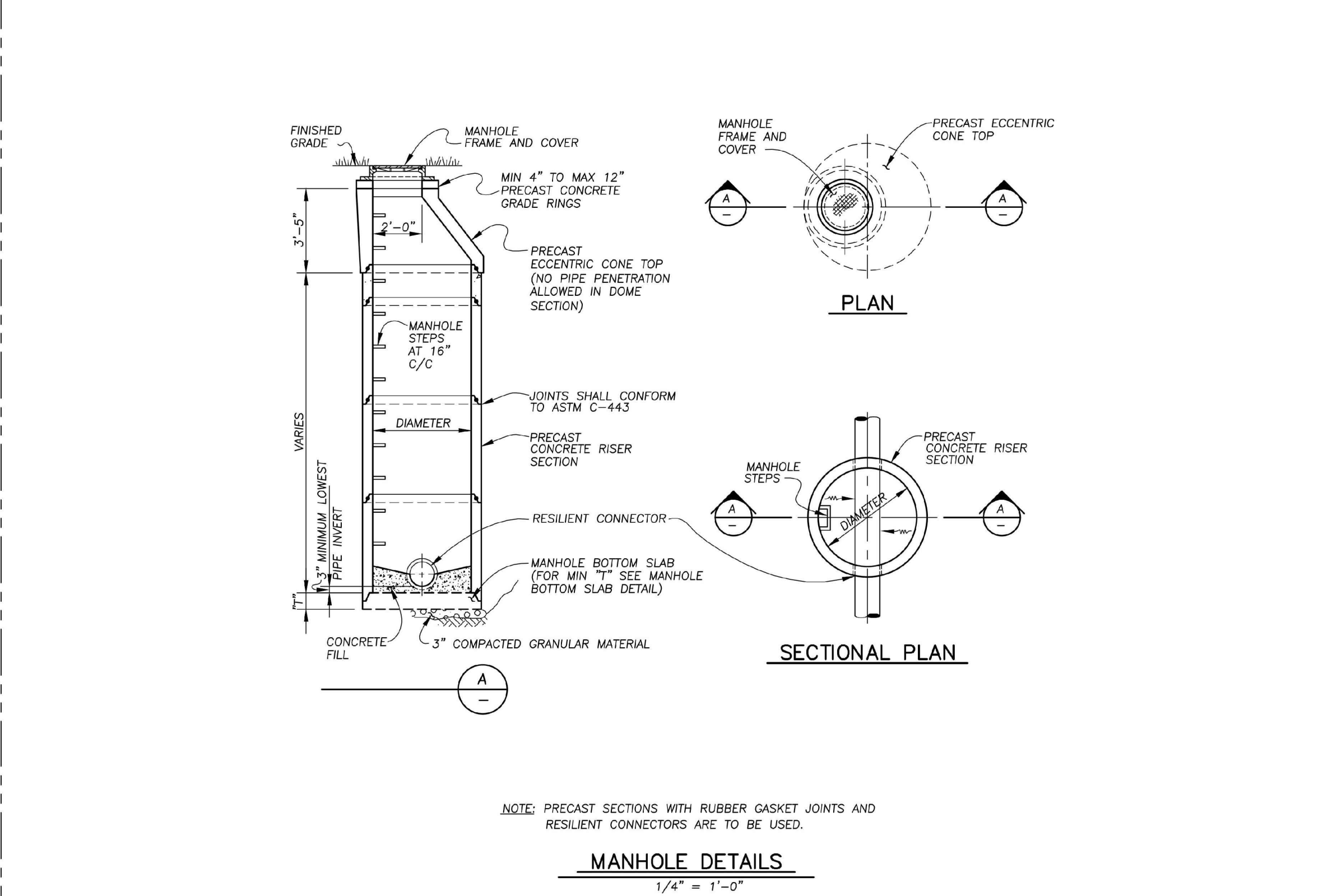
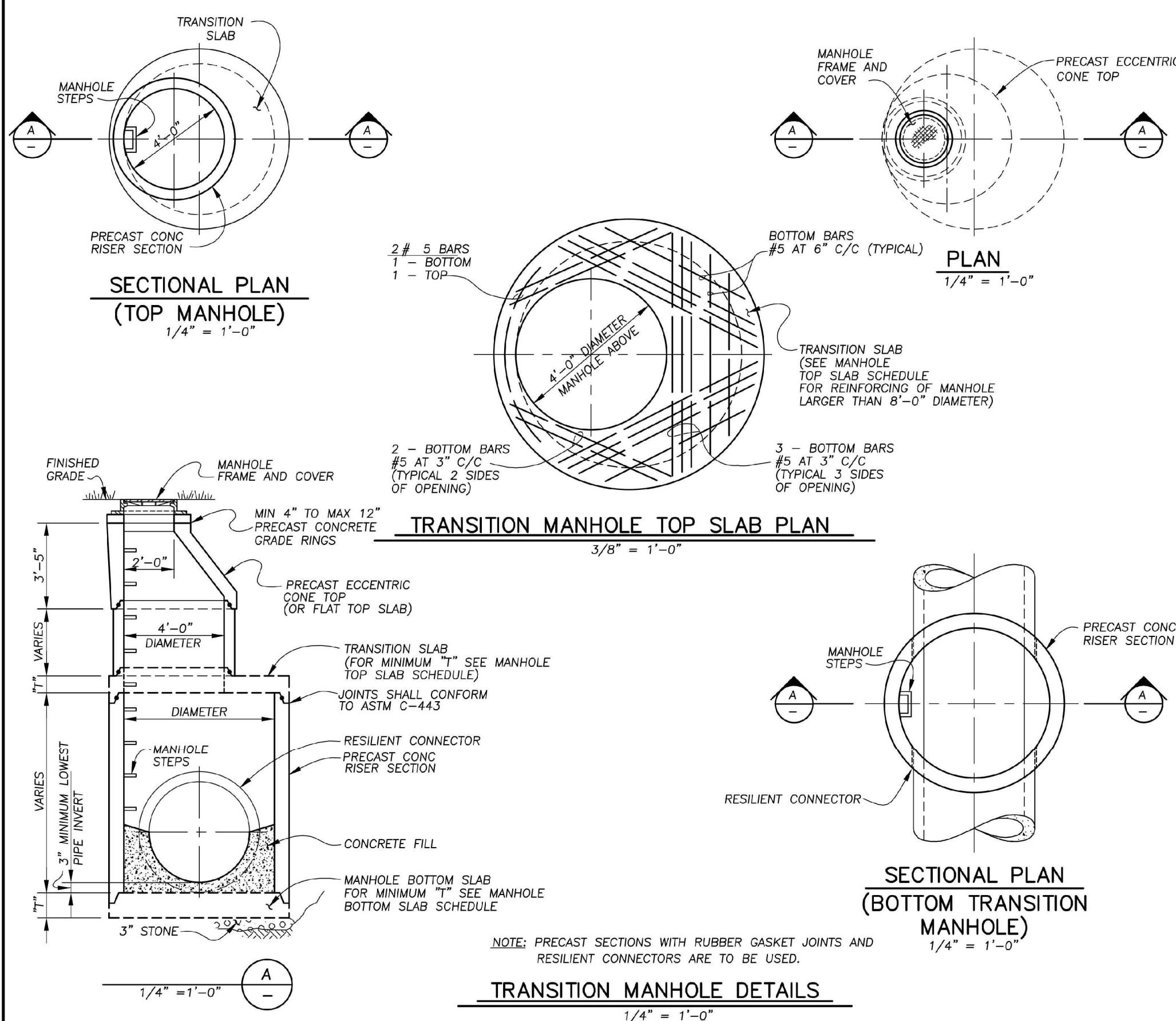
FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

GENERAL NOTES AND DETAILS
COVENTRY POINTE PLAT FIVE
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED	
DATE	
SCALE	AS NOTED
DATE	9.10.2025
DESIGNED	AMF
DRAWN	RSP
CHECKED	GNF
REVIEWED	GNF
PROJECT	10-08869
DRAWING	10-08869SP05A1-AB

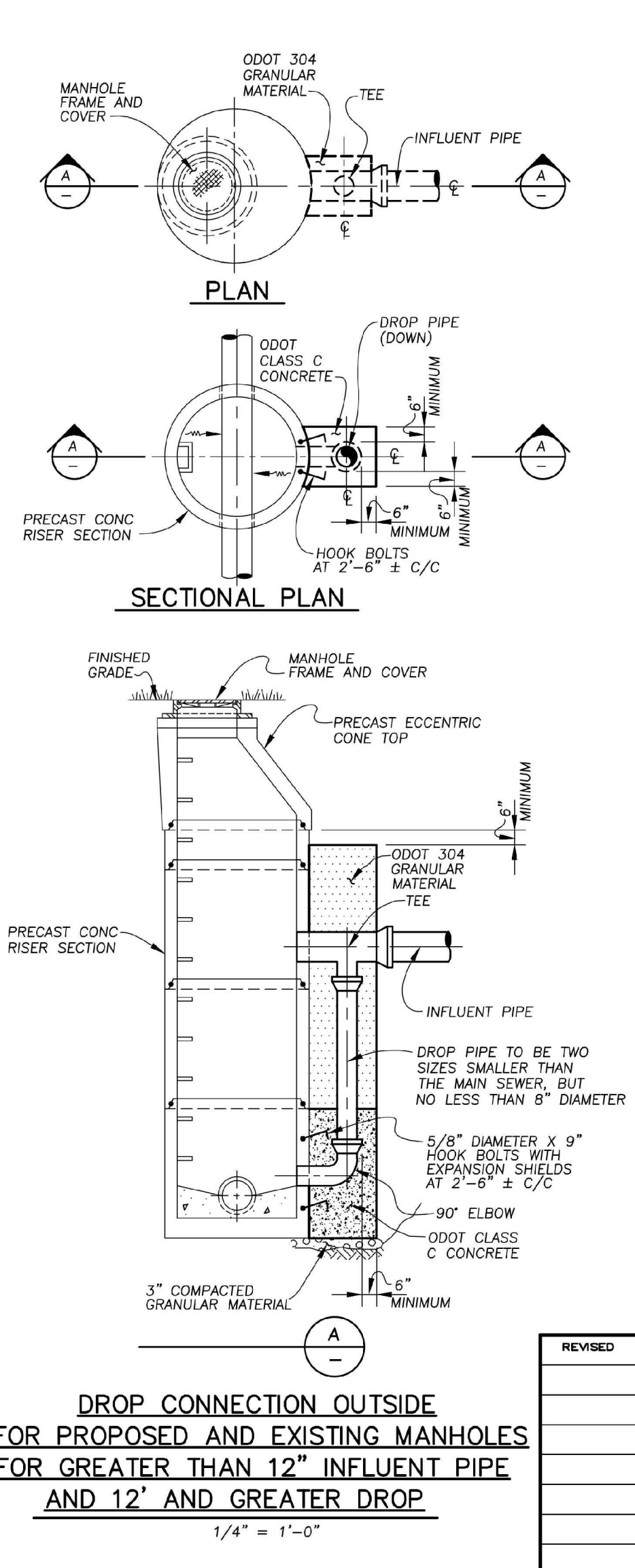
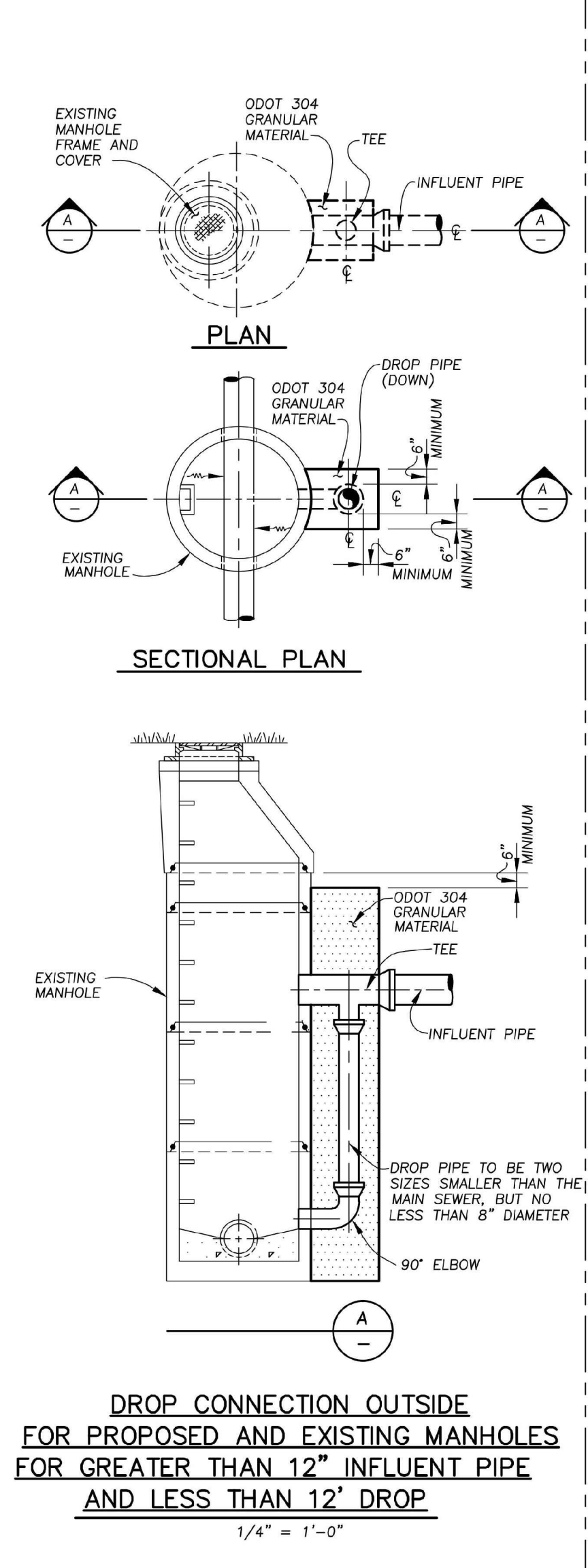
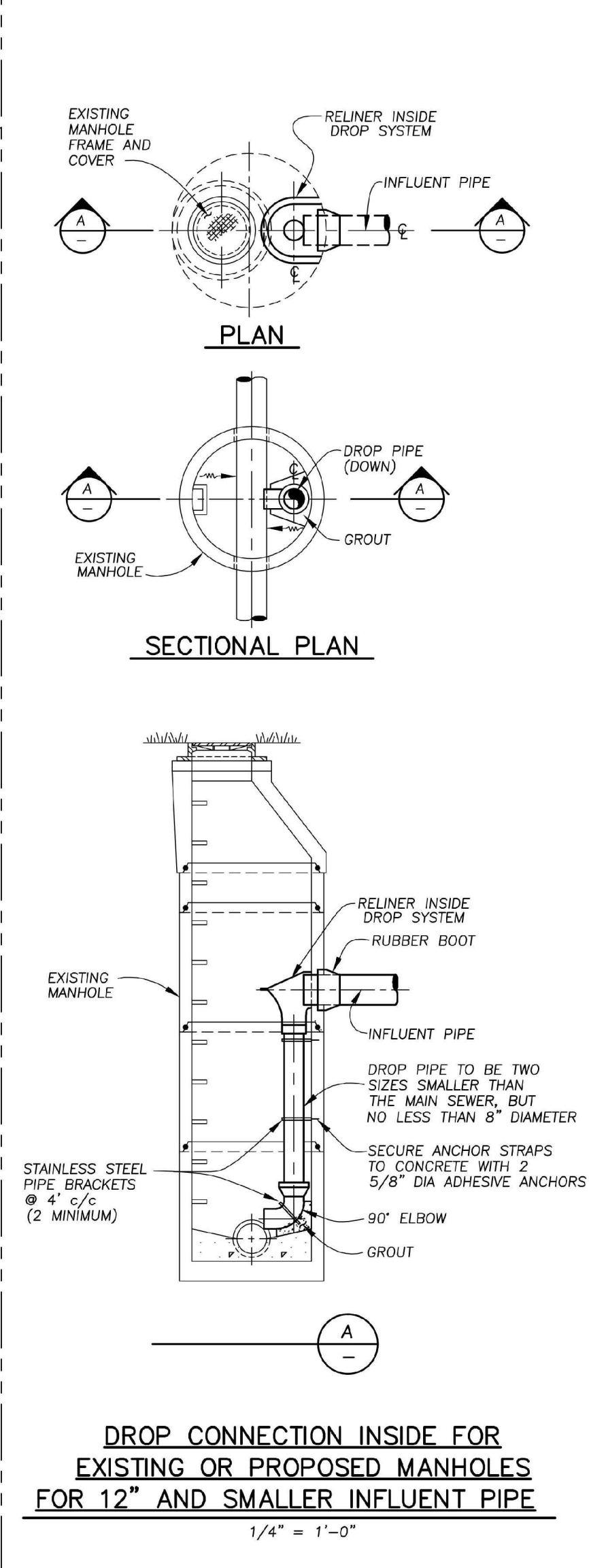
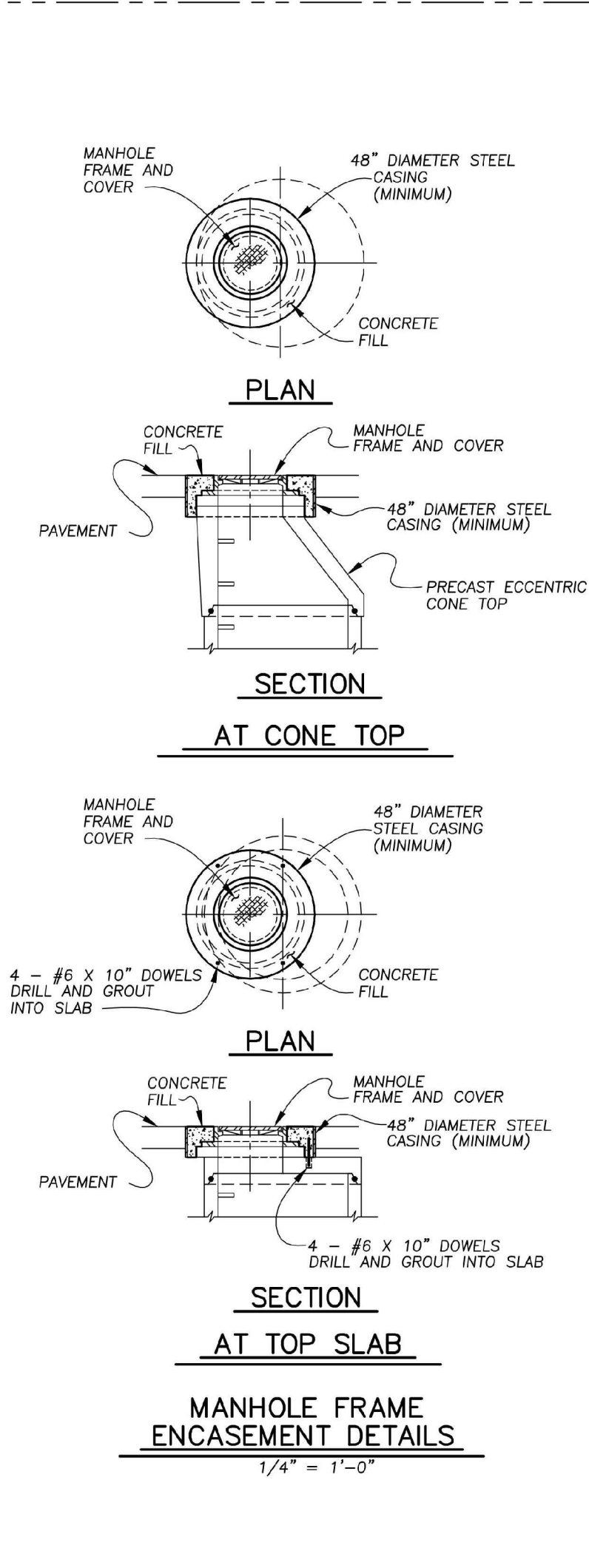
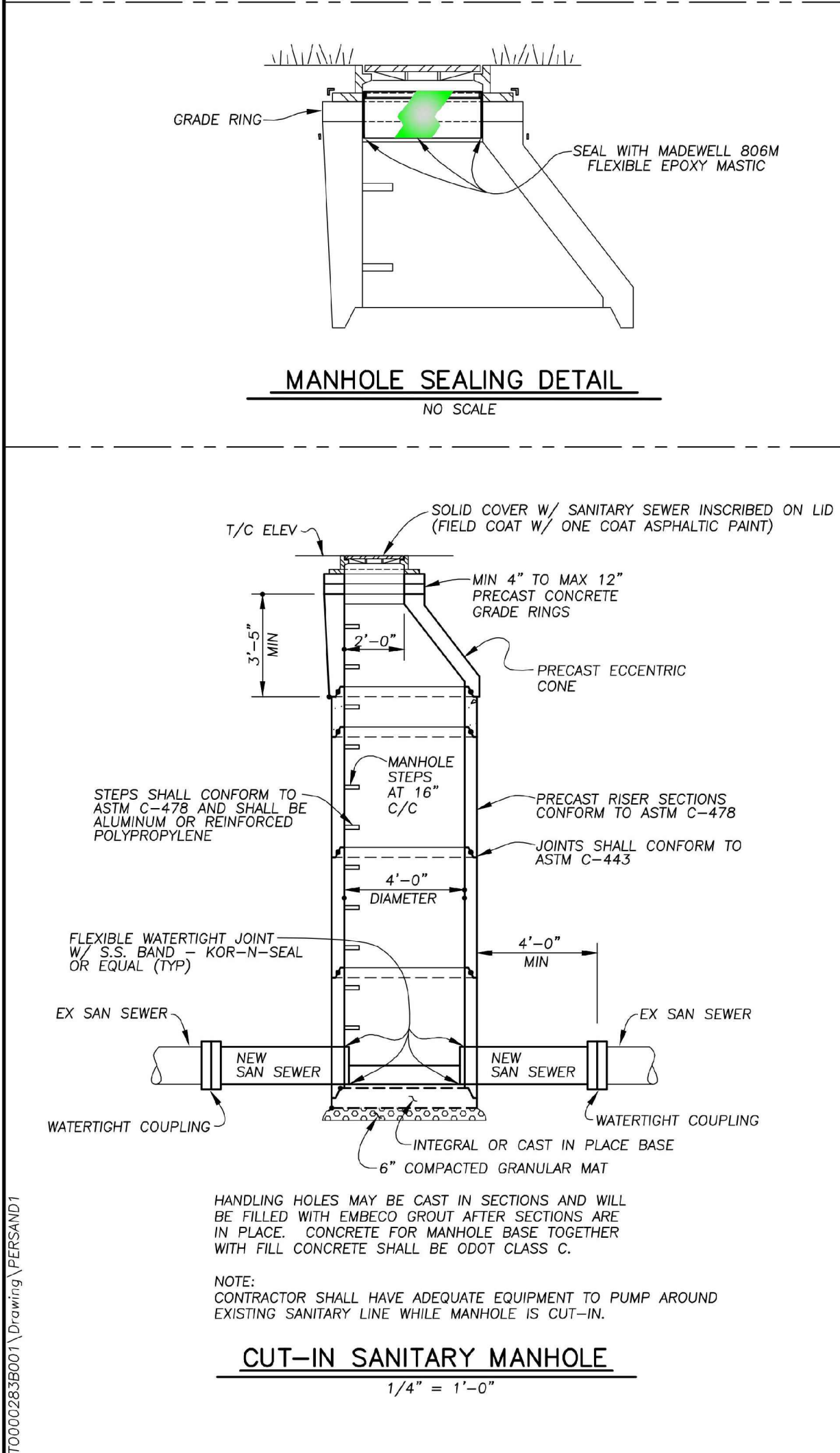
RECORD CONSTRUCTION 9/10/25



MANHOLE TOP SLAB SCHEDULE*

MARK	DIAMETER	MIN. "T"	REINF. BAR SIZE
-	4'-0"	6"	# 4
-	5'-0"	8"	# 5
-	6'-0"	8"	# 5
-	7'-0"	8"	# 5
-	8'-0"	10"	# 5

* IF DISTANCE FROM TOP OF FRAME TO TOP OF PIPE PENETRATION IS GREATER THAN 4'-4", A PRECAST ECCENTRIC CONE TOP MUST BE USED.



MANHOLE BOTTOM SLAB SCHEDULE

MARK	DIAM.	MIN. "T"	MIN. "E"	MIN. As (each way)
-	4'-0"	8"	4"	0.12 SQIN./FT.
-	5'-0"	8"	6"	0.12 SQIN./FT.
-	6'-0"	8"	6"	0.17 SQIN./FT.
-	8'-0"	10"	10"	0.21 SQIN./FT.

NOTE: PLACE BOTTOM SLAB STEEL REINFORCEMENT IN TOP OF SLAB WITH 1 1/2" CONCRETE COVER.

MANHOLE BOTTOM SLAB DETAILS
3/8" = 1'-0"

MANHOLE BOTTOM SLAB AND BOTTOM RISER (CAST IN SEPARATE OPERATIONS) BASE RISER SECTION WITH INTEGRAL FLOOR

MANHOLE BOTTOM SLAB DETAILS
3/8" = 1'-0"

PAVEMENT AND SANITARY SEWER STANDARD DETAILS
CITY OF PERRYSBURG, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF WATER POLLUTION CONTROL

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

HOH0811.org
Before You Dig

1683 Woodlands Drive, Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

GENERAL NOTES AND DETAILS

COVENTRY POINTE PLAT FIVE
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

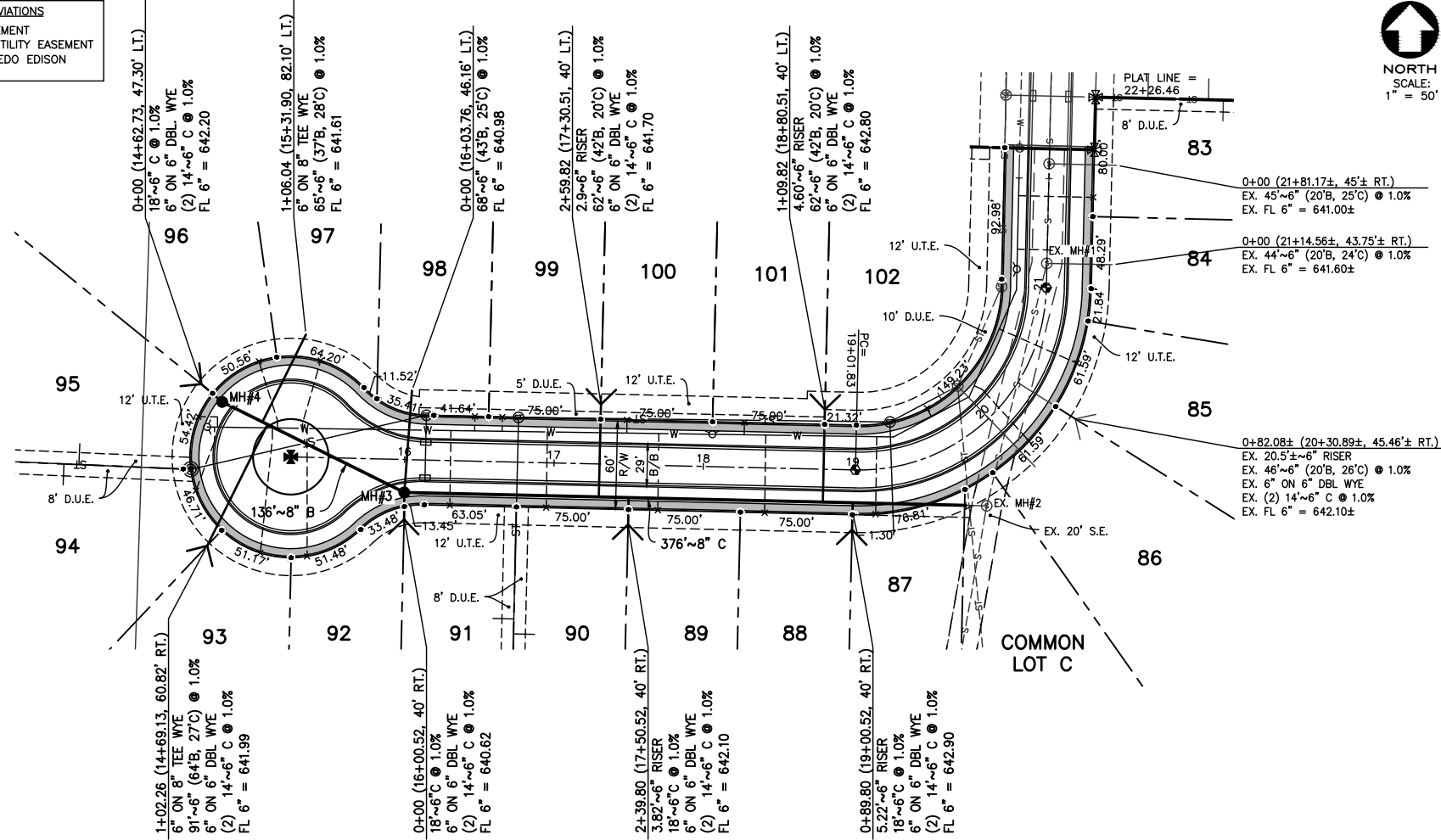
PROJECT: 10-08869
DRAWING: 10-08869SP05A1-AB

SIGNED: _____ DATE: 9.10.2025
SCALE: AS NOTED
DESIGNED: AMF DRAWN: RSP
CHECKED: GNF REVIEWED: GNF
PROJECT: 10-08869
DRAWING: 10-08869SP05A1-AB

SHEET 5 OF 6

RECORD CONSTRUCTION 9/10/25

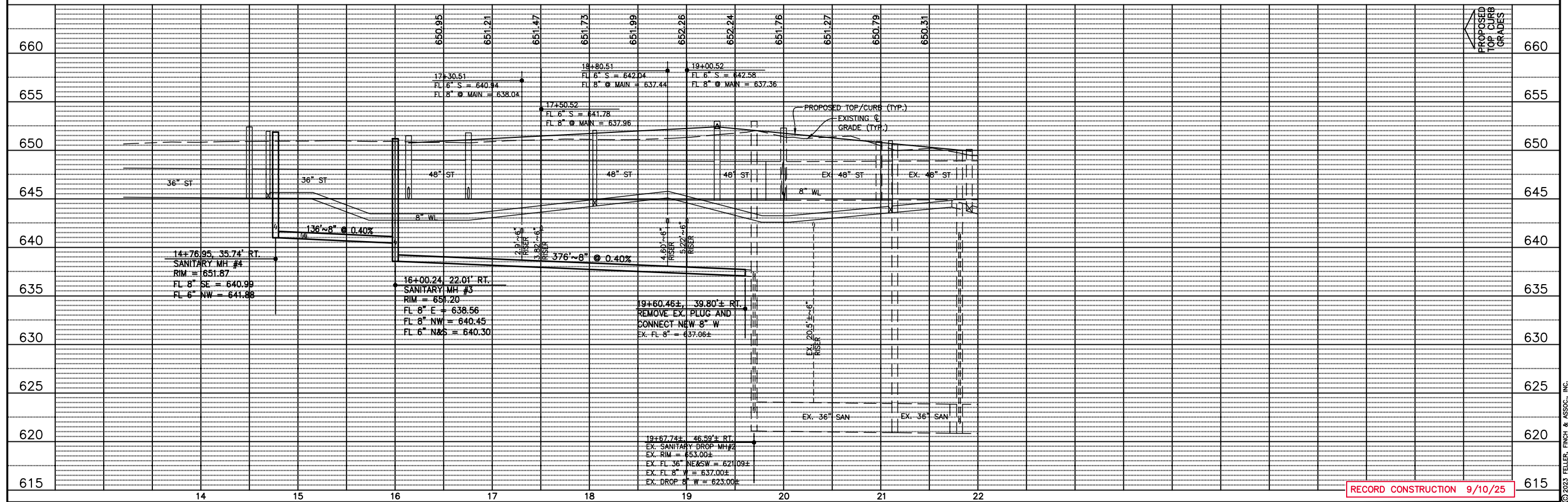
EASEMENT ABBREVIATIONS	
S.E.	SANITARY EASEMENT
D.U.E.	DRAINAGE & UTILITY EASEMENT
U.T.E.	UTILITY & TOLEDO EDISON EASEMENT



STONELEIGH ROAD

NOTES

1. ORIENT MANHOLES TO KEEP MANHOLE COVERS OUT OF THE SIDEWALKS & DRIVEWAYS.
2. THE HEIGHT OF 6" RISER INDICATED INCLUDES ALL FITTINGS REQUIRED FROM THE MAIN UP TO THE 45° BENDS AS SHOWN ON THE DETAILS.



UNDERGROUND UTILITIES
Contact for working days
before you dig

OHIO811: 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch
ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: PLAN AND PROFILE
PROJECT: COVENTRY POINT PLAT FIVE
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED	
DATE	
SCALE:	AS NOTED
DATE:	9.10.2025
DESIGNED:	AMF
DRAWN:	RSP
CHECKED:	GNF
REVIEWED:	GNF
PROJECT:	10-08869
DRAWING:	10-08869SP05A1-AB

RECORD CONSTRUCTION 9/10/25

WATERMAIN IMPROVEMENTS FOR **COVENTRY POINTE PLAT FIVE**

CITY OF PERRYSBURG, WOOD COUNTY, OHIO

INDEX OF SHEETS

TITLE SHEET	1
GENERAL NOTES AND DETAILS	2-4
PLAN AND PROFILE	5

BENCH MARK DATA

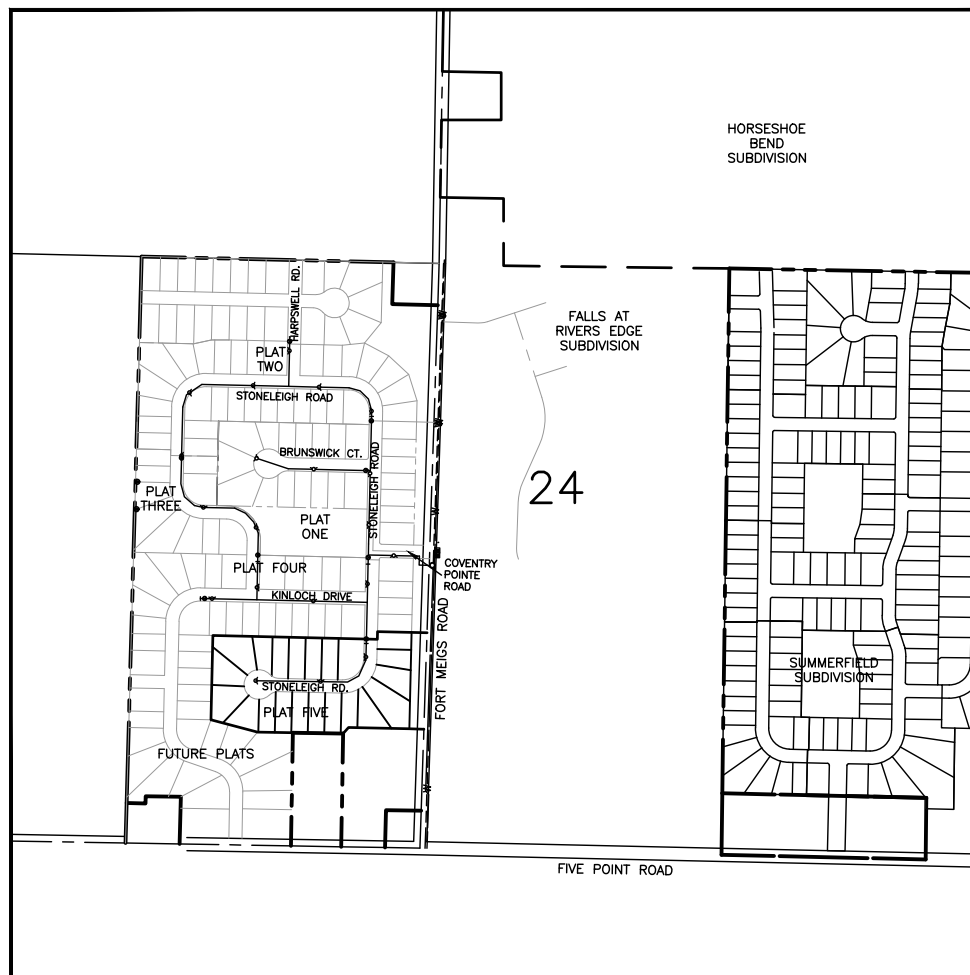
WOOD COUNTY BENCH MARK
MCO668 USGS SURVEY DISC IN CONCRETE MONUMENT SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE ROAD & FIVE POINT ROAD.
ELEVATION 650.10

SITE BENCH MARK #201
MAG NAIL SET IN WEST FACE OF 2ND POWER POLE SOUTH OF ROACHTON ROAD ON FORT MEIGS ROAD.
ELEVATION 651.45

SITE BENCH MARK #202
MAG NAIL SET IN WEST FACE OF 1ST POWER POLE NORTH OF FIVE POINT ROAD ON FORT MEIGS ROAD.
ELEVATION 653.08

CONVENTIONAL SIGNS

	PROPOSED	EXISTING
STORM SEWER	—ST—	—ST—
SANITARY SEWER	—S—	—S—
WATERLINE	—W—	—W—
CENTERLINE	—C—	—C—
SANITARY MANHOLE	●	⊙
STORM MANHOLE	●	⊙
CATCH BASIN	■	■
YARD BASIN	●	●
WATER VALVE IN MANHOLE	●	⊙
HYDRANT	●	⊙
TYPE B MONUMENT	●	⊙



LOCATION MAP
SCALE: 1" = 400'
NORTH

WATERLINE SUMMARY

QTY	UNIT	DESCRIPTION
670	FT.	8" WATERMAIN
2	EACH	HYDRANT ASSEMBLY (PARALLEL TO MAIN)
1	EACH	STANDARD HYDRANT (END OF LINE)
20	EACH	WATER TAPS (EXCAVATION ONLY)
2	EACH	8"~11 1/4' BEND
3	EACH	8"~22 1/2' BEND
1	EACH	3/4" CHLORINATION TAP

APPROVALS:

CITY OF PERRYSBURG _____ DATE _____
DIRECTOR OF PUBLIC UTILITIES
MATTHEW P. CHOMA, P.E.

DEVELOPED BY:

COVENTRY GLEN LTD.
3150 REPUBLIC BLVD.
SUITE 3
TOLEDO, OHIO 43615
PHONE: (419) 841-4831

NAME _____ DATE _____

RECORD CONSTRUCTION 9/10/25



1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com



REV. NO.	REVISION	DATE

TITLE SHEET
COVENTRY POINTE PLAT FIVE
CITY OF PERRYSBURG, WOOD COUNTY, OHIO



SIGNED	
DATE	
SCALE	AS NOTED
DATE	9.10.2025
DESIGNED: AMF	DRAWN: RSP
CHECKED: GNF	REVIEWED: GNF
PROJECT:	10-08869
DRAWING:	10-08869WP05A1-AB
SHEET	1 OF 5

© 2023 FELLER, FINCH & ASSOCIATES, INC.

P:\Projects\10E08869 Coventry Pointe_Dwg\10-08869WP05A1-AB.dwg, 1, 9/10/2025 12:09:31 PM, rpawlicki

PART 1 GENERAL

1.1 SUMMARY

- A. Water mains and appurtenances.
1. Water Mains shall be of PVC/PVCO pipe with ductile iron fittings.
2. Fire Lines (Water Mains) shall be of ductile iron pipe and fittings

1.2 STANDARDS

- A. All materials and conditions shall be in accordance with Standard and Specifications of the City of Perrysburg (the City), and/or the current American Society of Testing Materials (ASTM), and/or the current American Water Works Association (AWWA) standards and specifications, and/or the current Ohio Department of Transportation (ODOT) Construction Materials and Specifications (CMS), and/or the current Ohio Environmental Protection Agency (OEPA) standards and specifications. In case of conflict, the City Standard and Specifications shall take precedence.
B. All references to Standards and Specifications are to the latest edition, unless otherwise noted.
C. The City's Water Main Standard Details apply to these specifications

1.3 PRE-CONSTRUCTION MEETINGS, INSPECTION, AND PERMITS

- A. All construction projects involving: connection to, relocation of, future City ownership, or work within public rights-of-way, shall require a pre-construction meeting with the Design Engineer, Contractor, on-site inspection firm, and all involved City Divisions.
B. As requested by the City, full time on-site inspection may be required and at the expense of the Developer.
C. Water connection permits shall be obtained from the Department of Public Utilities Office, 211 East Boundary Street, 419-872-8050, a minimum of ten (10) calendar days prior to the start of construction.
D. Department of Public Utilities (419-872-8050) shall be contacted a minimum of seven (7) calendar days requesting on-site inspection when connecting to City utilities.

C:\Users\insommers\Desktop\11x17 water main specifications_01-24-17.docx

PAVEMENT AND WATER MAIN SPECIFICATIONS

E. Before any water is obtained from hydrants for construction purposes, Contractor shall secure a hydrant meter set-up by placing a security deposit with the Department of Public Utilities Office, at 211 East Boundary Street, 419-872-8050.

F. Any work within the City's public rights-of-way requires a Street Opening Permit which is obtained from the Department of Public Utilities Office, at 211 East Boundary Street, 419-872-8055.

1.4 DEFINITIONS

- A. Bedding: Material placed to a depth of 4 inches under, beside, and directly over the pipe up to a distance of 6 inches above the top of the pipe barrel, for the full width of the trench, prior to subsequent backfill operations.

1.5 REGULATORY REQUIREMENTS

- A. Construction operations shall comply with the City's Noise and Vibration Control Ordinance, Section 634.11, as follows:
1. No person shall use any pile driver, shovel, hammer derrick, hoist tractor, roller or other mechanical apparatus operated by fuel or electric power in building or construction operations between 10:00 p.m. and 6:00 a.m. of the next day in a residential area or within 500 feet of a school or church, except for temporary conditions approved by the Director of Public Services.
2. No person shall perform any construction or repair work on any structure or building, or perform any excavation or road work, when such work entails the use of any power operated construction type device in such a manner that the noise created thereby substantially exceeds the noise customarily and necessarily attendant to the reasonable and efficient performance of such equipment.
3. Whoever violates any of the provisions of this section is guilty of a minor misdemeanor for a first offense and a misdemeanor of the fourth degree for any subsequent offense. Punishment shall be as provided in Ordinance Section 698.02.
B. In accordance with Ordinance 1040.07 Rule 24 of the City Streets, Utilities, and Public Services Code, "the water main contractor shall be required for two years after completion of the work, to make all necessary repairs, including filling and seeding if settlement occurs." For this Project, the water main contractor is the Contractor responsible for the performance of the work.
C. Disinfection: Comply with current version of AWWA C651, except as modified herein.

1.6 PROJECT CONDITIONS

- A. Disinfection is a responsibility of Contractor who shall provide all materials, labor, and equipment; dispose of heavily chlorinated water; and pay costs of bacteriological tests. A representative of the City will collect samples for and perform bacteriological tests. Samples shall not be taken by Contractor.
1. The City will provide, without charge, water for the initial disinfection and filling. If repeat disinfection and filling is required, Contractor to pay for all water used after initial disinfection and filling.
2. Water will be available at the current City rate.

PAVEMENT AND WATER MAIN SPECIFICATIONS

2.6 BACKFILL

- A. Earth Backfill: Excavated earth material, finely divided and free of stones 3 inches or greater in any dimension to at least 3 feet above pipe top.
B. Granular Material: ODOT Item 304 crushed limestone.
C. Control Density Fill (CDF): A mix of Portland cement, fly ash and selected granular materials with a compressive strength of 100 psi; Kuhlman Corporation "K-Krete", or as approved.

2.7 BACTERIA SAMPLING AND FLUSHING ASSEMBLIES

- A. Follow Service Connection Assemblies as shown above, with the following modifications:
1. Curb box is not required
2. A ball valve may be substituted for the curb stop.
a. Manufacturers: Stockholm, Model S-216; Nibco, Model No. S-585-70 or T-585-70; or as approved.
b. Bronze, two-piece body, chrome-plated, brass ball, Teflon seats and stuffing box ring, lever handle and balancing stops, solder or threaded ends with union.
3. Approved piping and fittings (90 degree elbow) shall be provided a distance of 4 feet above grade.
4. Valve shall be located to allow individual taking sample to turn valve on-off while holding sampling jar.

2.8 POLYETHYLENE ENCASUREMENT

- A. AWWA C105, 8 mil linear low-density polyethylene tube or 4 mil high density, cross-linked polyethylene tube; 2 inch wide plastic-backed, adhesive tape, bond to both metal surfaces and polyethylene film.

2.9 TRACE TAPE

- A. Inert bonded layer plastic with metallized foil core, 6 inches wide, resistant to alkalis, acids and other destructive chemical components encountered in soils; APWA Uniform Color Code, brightly colored; imprinted indicating pipe type; Griffolyn Company Terra Tape "D", Seton Name Plate Corporation, or as approved.

2.10 JOINT BOLTS AND NUTS

- A. All ductile iron fittings, and appurtenances (valves, hydrants, restrained joints, etc.) shall be installed with COR-BLUE (COR-

C:\Users\insommers\Desktop\11x17 water main specifications_01-24-17.docx

PART 2 PRODUCTS

2.1 PIPE AND FITTINGS

- A. PVC/PVCO Pipe with Ductile Iron Fittings:
1. Pipe: AWWA C900, DR 18, Pressure Class 235 for 4 inch through 12 inch diameter; AWWA C905, DR25, pressure class 165 for 14 inch diameter and larger; and AWWA C909, Pressure Class 150 for 4 inch through 24 inch diameter; cast iron equivalent O.D.; integral wall-thickened bell end type incorporating elastomeric gasket; furnished in nominal 20 foot laying lengths.
2. Fittings: AWWA C110 or C153, AWWA C111 rubber gasket joints, with all fittings to be polyethylene encased when buried.
a. Exterior Coating: Asphaltic material, or AWWA C116 fusion-bonded epoxy coating.
b. Interior Lining: AWWA C104 cement mortar with seal coat, or AWWA C116 fusion-bonded epoxy coating.
3. Joints: Push-on, with joints within the lengths noted on the Standard Details to be restrained type joints.
a. Restrained joints shall be MEGALUG or retainers with Mega-Bond Coating System, as manufactured by EBAA Iron, Inc., or as approved, of ductile iron and with a working pressure of at least equal to that of the PVC pipe on which to be installed, and a minimum safety factor of 2:1.
B. Ductile Iron Pipe and Fittings:
1. Pipe: Designed in accordance with AWWA C150, minimum Thickness Class 52, with polyethylene encasement when buried; manufactured in accordance with AWWA C151; furnish in maximum nominal 16 foot laying lengths.
2. Fittings: AWWA C110 or C153, with C153 fittings to be polyethylene encased when buried.
3. Exterior Coating: Asphaltic material. Fittings may be coated with a fusion-bonded epoxy coating in accordance with AWWA C116.
4. Interior Lining: AWWA C104 cement mortar with seal coat, or AWWA C116 fusion-bonded epoxy coating.
5. Joints: AWWA C111, rubber gasket, push-on or mechanical type, with restrained type joints and river crossing pipe joints to be provided within the lengths noted on Drawings.

C:\Users\insommers\Desktop\11x17 water main specifications_01-24-17.docx

PAVEMENT AND WATER MAIN SPECIFICATIONS

- D. Regrade and reshape all road shoulders and all ditches and swales from existing high points to existing drainage structures or other outlets along the proposed improvement. Ditches, which are reshaped, shall have reasonable side slopes. Vertical or steep slopes will not be permitted.
E. Seed all disturbed earth areas using the hydrosed method or placement of sod, both seed mixture and sod type shall be as approved by the City.

2.2 BUTTERFLY VALVES

- A. Manufacturers: Clow, DeZurik, Henry Pratt Co.; Kennedy; or as approved.
B. AWWA C504, Class 150B; designed specifically for buried service; stainless steel shafts; mechanical joint ends when buried, fully gasketed, grease-packed, water-tight, self-locking actuator with standard AWWA operating nut and mechanical stop limiting devices, open by turning left (counterclockwise), bolts, nuts, and washers used by manufacturer to assemble valves to be Type 304 stainless steel.
C. If required, provide operator with an extension stem such that operating nut is located no more than 4 feet below grade. Center extension stem in the valve box by approved stem guides.

2.3 GATE VALVES

- A. Manufacturers: American Flow Control; Clow; Kennedy; Mueller; or as approved.
B. AWWA C509 cast iron, bronze-mounted, or AWWA C515 ductile iron, bronze-mounted, polyethylene encased when buried installation; designed for 200 psi working water pressure; mechanical joint ends, AWWA C111, except for tapping valves; non-rising stem type with standard AWWA nut; stem seal consisting of at least two Buna-N rubber O-rings; open by turning left (counterclockwise); bolts, nuts, and washers used by manufacturer to assemble valves to be Type 304 stainless steel.
C. If required, provide operator with an extension stem such that operating nut is located no more than 4 feet below grade. Center extension stem in the valve box by approved stem guides.

2.4 VALVE BOXES

- A. Coated cast iron, three-piece screw type, 5-1/4 inch shaft; heavy, neat fitting cover with the word "WATER" cast on the top.
B. Base shall cover the entire valve bonnet section.

C:\Users\insommers\Desktop\11x17 water main specifications_01-24-17.docx

PAVEMENT AND WATER MAIN SPECIFICATIONS

2.11 BEDDING MATERIAL

- A. Fine excavated material except in paved areas; standard size No. 6 stone fill as shown at fire hydrants and at blow-off assemblies, except no slag permitted.
B. ODOT No. 67 or No. 57 crushed limestone in paved areas.
C. Concrete Thrust Blocks, Concrete Encasement, and Valve Box Concrete Collar: ODOT Class C Concrete.

2.12 LOCAL ROADS

- A. Asphalt Concrete Pavement:
1. -12 inches ODOT Item 448, Type 1 (medium traffic) Surface Course, PG 64-22.
2. 2 inches ODOT Item 448, Type 2 (medium traffic) Intermediate Course, PG 64-22.
3. 10 inches ODOT Item 304, Aggregate Base (placed in 2 lifts).
4. On aggregate base, apply ODOT Item 408 Prime Coat at rate of 0.35 gallons per square yard. Installation to be directed by the City.
5. ODOT Item 407; apply tack coat at the rate of 0.04 gallons per square yard to be placed between intermediate and surface courses and joints.
6. Sealer for Contact and Mating Surfaces and Joints: Comply with ODOT Items 401.14 and 401.17.
7. Pavement Sealer: When requested by and as approved by the City.
B. Concrete Driveways and Parking Areas:
1. Pavement: ODOT Item 452 Non-Reinforced Portland Cement Concrete Pavement.
2. Reinforcement: Match existing.
a. Commercial Drives: minimum 9 inch thick or match existing.
b. Residential Drives: minimum 6 inch thick or match existing.
3. Hook Bolts or Deformed Bars in Roadways:
a. Provide 5/8-inch hook or deformed bolts where new abuts existing.
b. Furnish and install at 30 inches center to center where new abuts existing transversely.
c. When thickness is less than 10 inches, as determined by the City, furnish and install at 20 inches center to center where new abuts existing transversely.
d. When thickness is greater than 10 inches, as determined by the City, furnish and install at 26 inches center to center where new abuts existing transversely.

CONCRETE CURBS, UNDERDRAINS, MONUMENT ASSEMBLY, CURB RAMP DETECTABLE WARNING TRUNCATED DOMES

- C. Concrete Curbs: ODOT Item 609.04; Class C concrete.
D. Underdrains: ODOT Item 605 using pipe 706.06, 706.07, 706.08 or 707.41.
A. Neenah Foundry Company, R 1978 A2 with bolted lid.
A. Materials:
1. Follow current ODOT Specifications 712.14 as modified herein.
2. Truncated Domes: Shall consist of cast-in-place reinforced polymer composite tiles.
3. Material supplied shall be red color, and installed by pressing tiles into place in the freshly poured concrete.
4. Material supplied and installed shall meet ODOT Standard Drawings and current approved products as listed at: <http://www.dot.state.oh.us/Divisions/Engineering/Roadway/DesignStandards/roadway/Pages/Approved%20Products.aspx> (DETECTIBLE WARNING)
B. Concrete: ODOT Class C.
2.15 DISINFECTION PRODUCTS
A. Chemicals: Calcium Hypochlorite granules or 5 gram tablets; 1 percent chlorine solution (10,000 mg/l), prepared by mixing 1 pound of calcium hypochlorite (approximately 65 percent available chlorine by weight) and 8 gallons of water.
B. Food-Grade Adhesive: Permatex Form-A-Gasket No. 2 and Permatex Clear RTV Silicone Adhesive Sealant by Lockite Corporation.

C:\Users\insommers\Desktop\11x17 water main specifications_01-24-17.docx

PAVEMENT AND WATER MAIN SPECIFICATIONS

3.2 BEDDING

- A. Place bedding material at trench bottom and shape for accurate placement and proper support of pipe.
B. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and to 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
C. Carefully place and tamp so as not to puncture polyethylene encasement, or damage or displace joints or pipe. Do not drop material directly on pipe.
D. Construct thrust blocks at plugs as detailed. Place against firm, undisturbed soil. Protect and pad from concrete displacement to allow for future removal.
E. Construct concrete encasement under ditches as shown.

3.3 INSTALLATION - WATER MAIN PIPE AND FITTINGS

- A. Provide non-conducting dielectric connections wherever jointing dissimilar metals.
B. Install water mains at a minimum 10 foot horizontal distance from sewers and manholes and at a minimum 18-inch vertical distance from sewers at their crossing, both as measured between the outside of pipe walls. At crossings, install one full length of water line pipe so both joints will be as far from the sewer as possible.
C. Install pipe in locations and at grades shown or specified, except as otherwise provided or ordered by the City to avoid existing or proposed utility lines or other obstructions encountered; to secure a more readily accessible position for trenching; or to facilitate the location of various pipe appurtenances; avoid high and low points in the main.
D. Use suitable fittings, usually 1/8 bends, when abrupt grade changes of the pipe are necessary to avoid existing utilities or other obstructions, so as to secure an easy flow of liquid and to provide sufficient cover below same unless noted otherwise.
E. Install pipe to allow for expansion and contraction without stressing pipe or joints.
F. Deflect pipe joints in strict accordance with pipe manufacturer's instructions.

C:\Users\insommers\Desktop\11x17 water main specifications_01-24-17.docx

PAVEMENT AND WATER MAIN SPECIFICATIONS

- G. Locate pipe to maintain a minimum clearance of 18 inches in all directions, with respect to other utilities, to allow for taps to be inserted.
H. With push-on joints, wipe surfaces that contact rubber gasket clean and dry just prior to making joint. Use a lubricant in accordance with the manufacturer's instructions when making joint.
I. With mechanical joints, brush surfaces that contact rubber gasket with soapy water to remove all sand and grit just prior to making joint.
J. Install tracer tape continuous over top of PVC pipe; locate 18 inches below finished grade.
K. Install polyethylene encasement for all ductile iron pipe, fittings, and appurtenances; comply with AWWA C105 Method A and manufacturer's instructions. Completely tape all overlaps and seams. Repair all rips, punctures, and other damage to the polyethylene.
L. Provide polyethylene encasement for each ductile iron fitting for a distance of 5 feet each side thereof; comply with AWWA C105 Method A and manufacturer's instructions. Completely tape all overlaps and seams. Repair all rips, punctures and other damage to the polyethylene.
M. Clean all pipes thoroughly inside and outside before lowering into trench; keep pipes clean during and after laying; and seal the pipe end with a water-tight plug when pipe laying is stopped for any reason.
N. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in maximum 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.
O. The top 5 feet of the trench shall be backfilled with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in maximum 12-inch loose layers and mechanically compact to not less than 100 percent of the maximum dry unit weight as determined in accordance with ASTM D698 (Standard Proctor), except where CDF is indicated on the Drawings.

C:\Users\insommers\Desktop\11x17 water main specifications_01-24-17.docx

PART 3 EXECUTION

3.1 PREPARATION

- A. String pipe sections along the route of the mains so as to interfere least with pedestrian and vehicular traffic and to protect the pipe.
B. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
C. Do not install service connections until new mains have been successfully tested, disinfected, and placed in service.
D. Verify that polyethylene encasement is in place, where required, before placing bedding.

3.4 INSTALLATION - VALVES AND FIRE HYDRANT ASSEMBLIES

- A. Maximum spacing between fire hydrants shall be no greater than 300 feet center to center distance as measured along the centerline of water main.
B. Maximum spacing for mainline valves shall be installed no greater than 1,000 feet center to center distance as measured along the center of water main.

C:\Users\insommers\Desktop\11x17 water main specifications_01-24-17.docx

UNDERGROUND UTILITIES Contact Two Working Days Before You Dig HOH0811.org Before You Dig OH0811, 8-1-1, or 1-800-362-2764 (Non-members must be called directly)

1683 Woodlands Drive, Maumee, Ohio 43537 Phone: (419) 893-3680 Fax: (419) 893-2982 www.fellerfinch.com

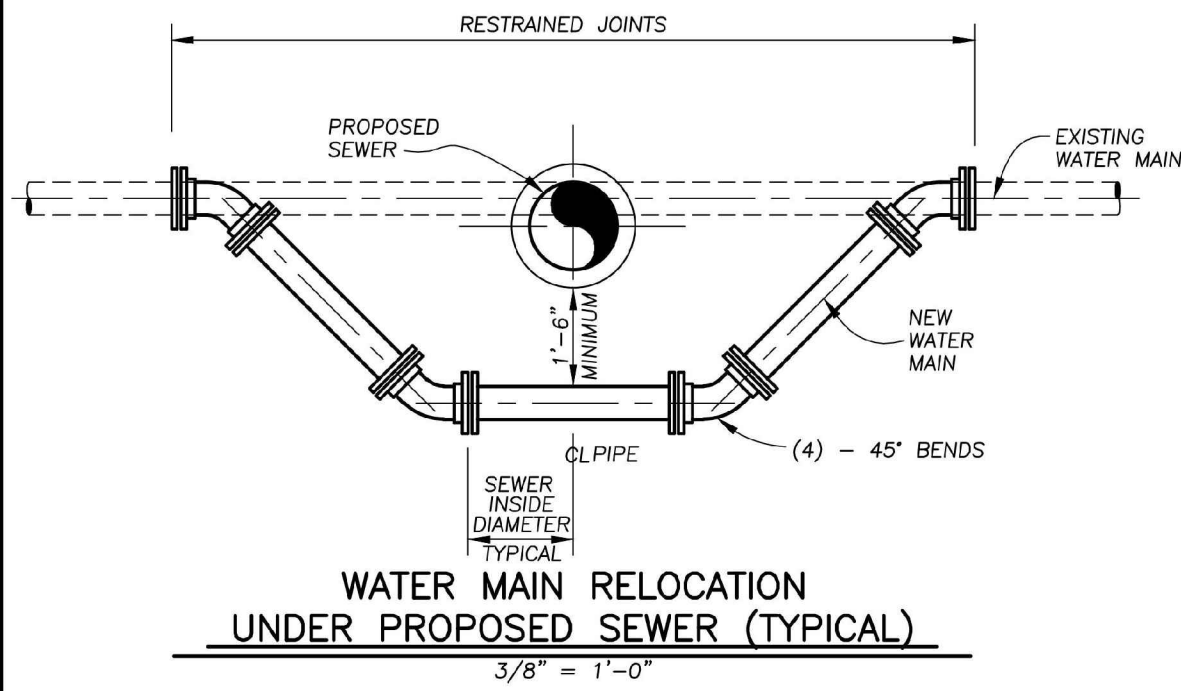
FellerFinch & ASSOCIATES, INC. Engineers • Surveyors

Table with columns: REV. NO., REVISION, DATE

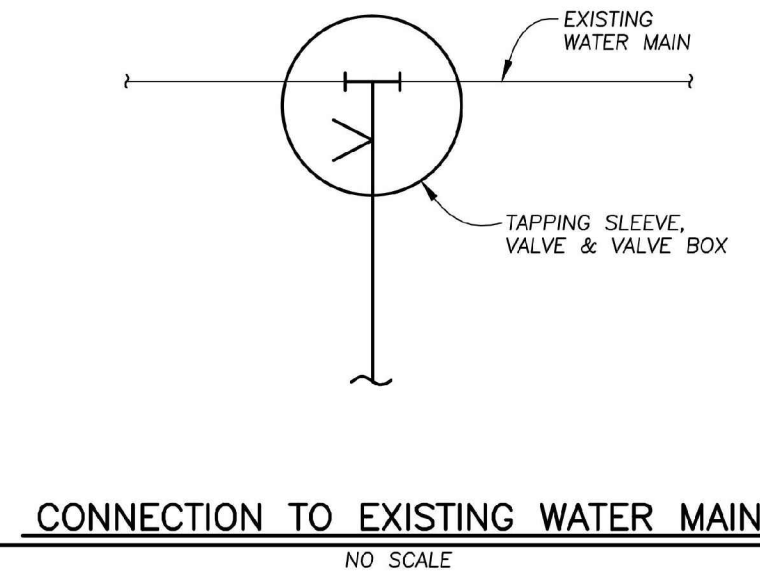
GENERAL NOTES AND DETAILS CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED DATE SCALE: AS NOTED DATE: 9.10.2025 DESIGNED: AMF DRAWN: RSP CHECKED: GNF REVIEWED: GNF PROJECT: 10-08869 DRAWING: 10-08869WP05A1-AB SHEET 2 OF 5

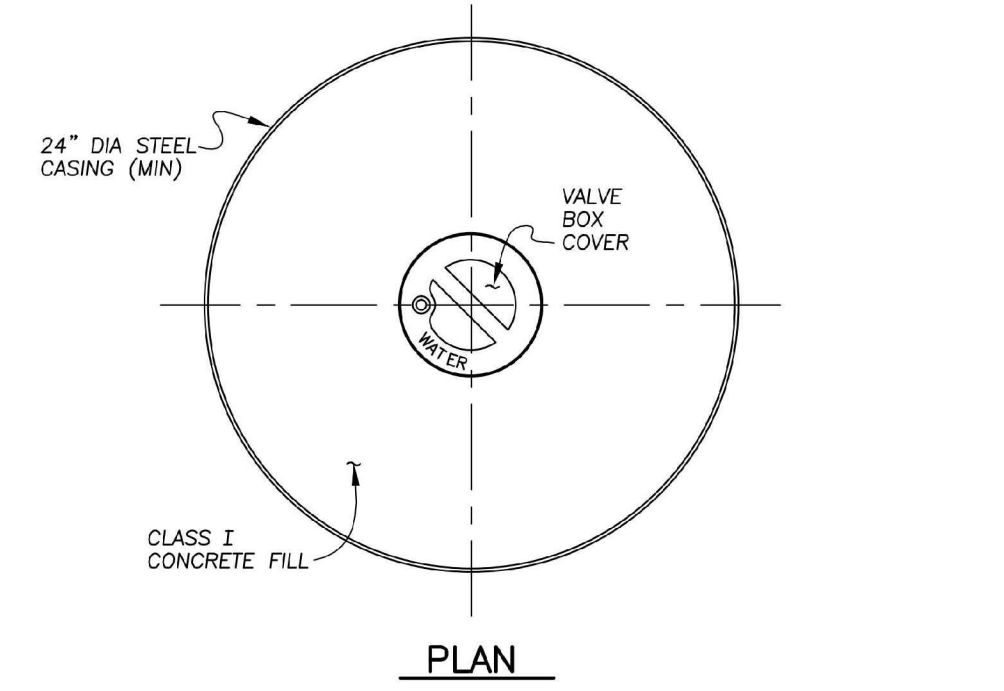
RECORD CONSTRUCTION 9/10/25



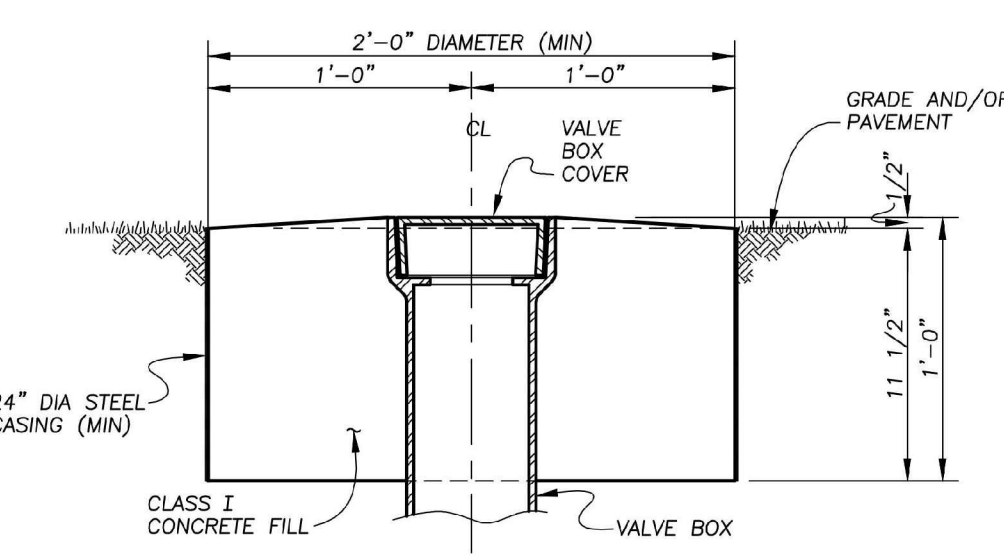
WATER MAIN RELOCATION UNDER PROPOSED SEWER (TYPICAL)
3/8" = 1'-0"



CONNECTION TO EXISTING WATER MAIN
NO SCALE

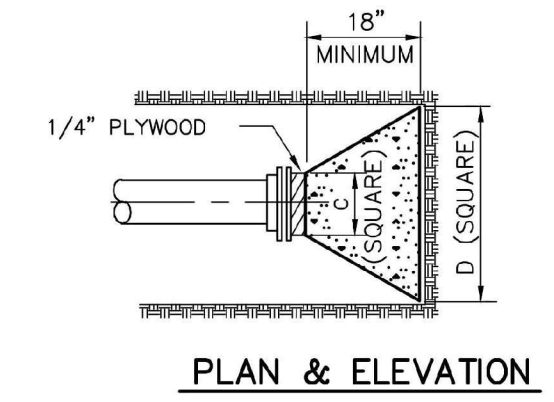


PLAN



SECTION

WATER VALVE BOX ENCASUREMENT DETAIL
1 1/2" = 1'-0"



PLAN & ELEVATION

PLUGS

TYPE	SIZE	PLUGS	
		C	D
2000 PSF SOIL	6"	10"	24"
	8"	12"	32"
	10"	14"	40"
	12"	16"	47"
	14"	18"	54"
	16"	20"	61"
	20"	24"	74"
24"	28"	88"	

*6" OR LESS

NOTE
BASED ON 150 PSI STATIC PRESSURE.
ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED GROUND.

THRUST BLOCKING DETAIL
NO SCALE

DEAD END	LENGTHS OF RESTRAINED PIPE
8"	60'
12"	100'
16"	120'

FITTINGS	LENGTHS OF RESTRAINED PIPE FOR LARGER PIPE
REDUCER	60'
8" X 4"	60'
8" X 6"	40'
12" X 6"	80'
12" X 8"	60'

FITTINGS	LENGTHS OF RESTRAINED PIPE FOR TEE BRANCH
TEE	60'
8" X 6"	60'
8" X 8"	60'
12" X 6"	60'
12" X 8"	60'
12" X 12"	100'
16" X 8"	60'
16" X 12"	100'
16" X 16"	120'

FITTINGS	LENGTHS OF RESTRAINED PIPE EACH SIDE OF BEND
HORIZONTAL BEND	20'
8" 11 1/4"	20'
8" 22 1/2"	20'
8" 45"	40'
8" 90"	80'
12" 11 1/4"	20'
12" 22 1/2"	20'
12" 45"	60'
12" 90"	120'
16" 11 1/4"	20'
16" 22 1/2"	40'
16" 45"	60'
16" 90"	140'

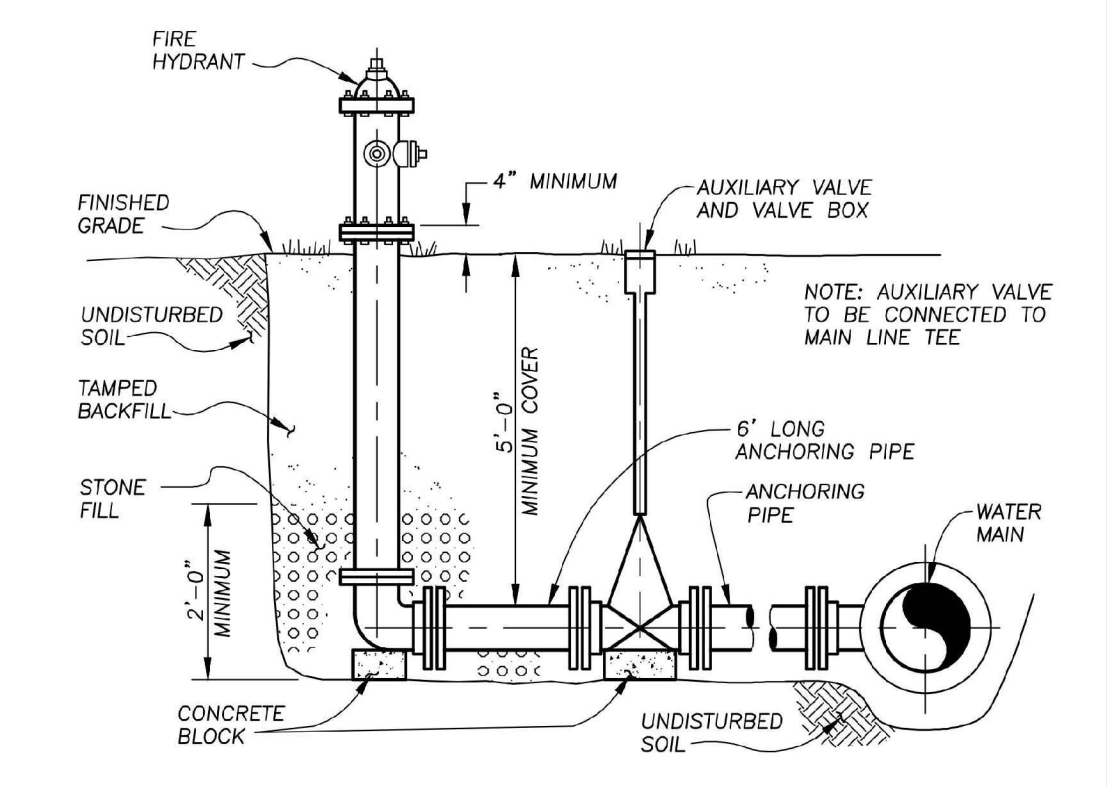
FITTINGS	LENGTHS OF RESTRAINED PIPE EACH SIDE OF BEND
VERTICAL BEND (UP)	20'
8" 11 1/4"	20'
8" 22 1/2"	20'
8" 45"	40'
8" 90"	40'
12" 11 1/4"	20'
12" 22 1/2"	20'
12" 45"	60'
12" 90"	120'
16" 11 1/4"	20'
16" 22 1/2"	40'
16" 45"	60'
16" 90"	140'

FITTINGS	LENGTHS OF RESTRAINED PIPE EACH SIDE OF BEND
VERTICAL BEND (DOWN)	20'
8" 11 1/4"	20'
8" 22 1/2"	20'
8" 45"	60'
8" 90"	120'
12" 11 1/4"	20'
12" 22 1/2"	40'
12" 45"	80'
12" 90"	160'
16" 11 1/4"	40'
16" 22 1/2"	60'
16" 45"	100'
16" 90"	240'

RESTRAIN ALL JOINTS WITHIN THE INDICATED DISTANCES FOR THE FITTINGS DESCRIBED.

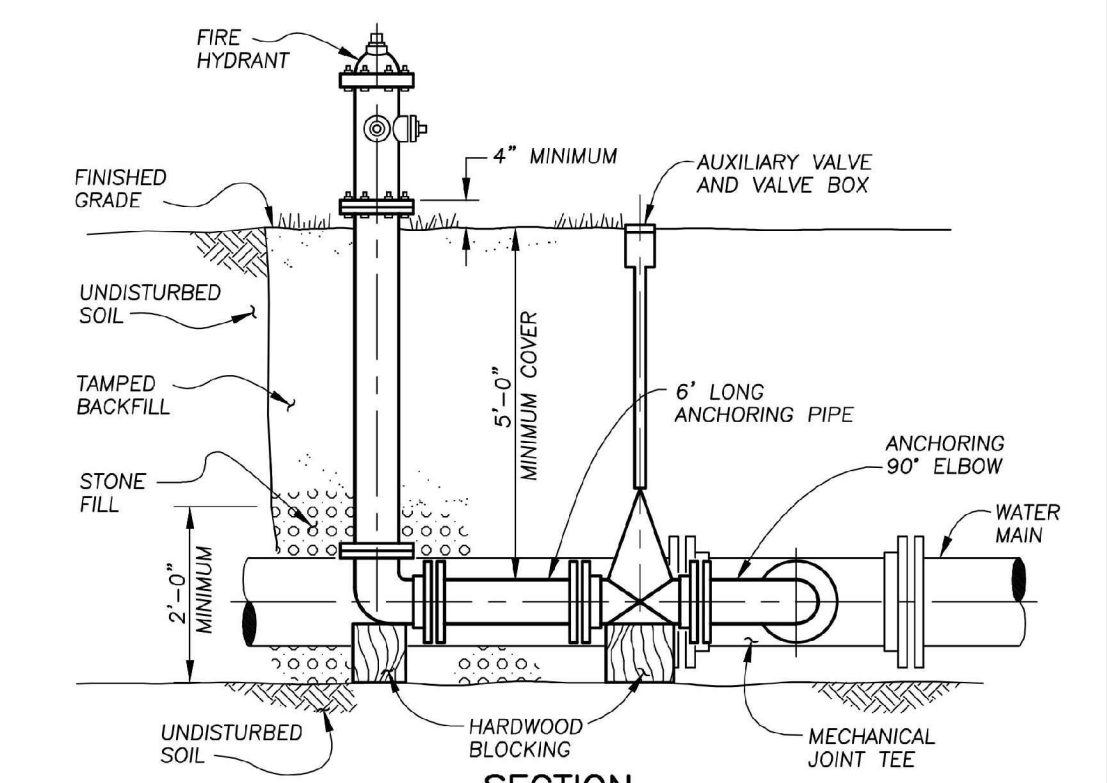
RESTRAINED JOINTS TABLE

BASED ON 150 PSI STATIC PRESSURE



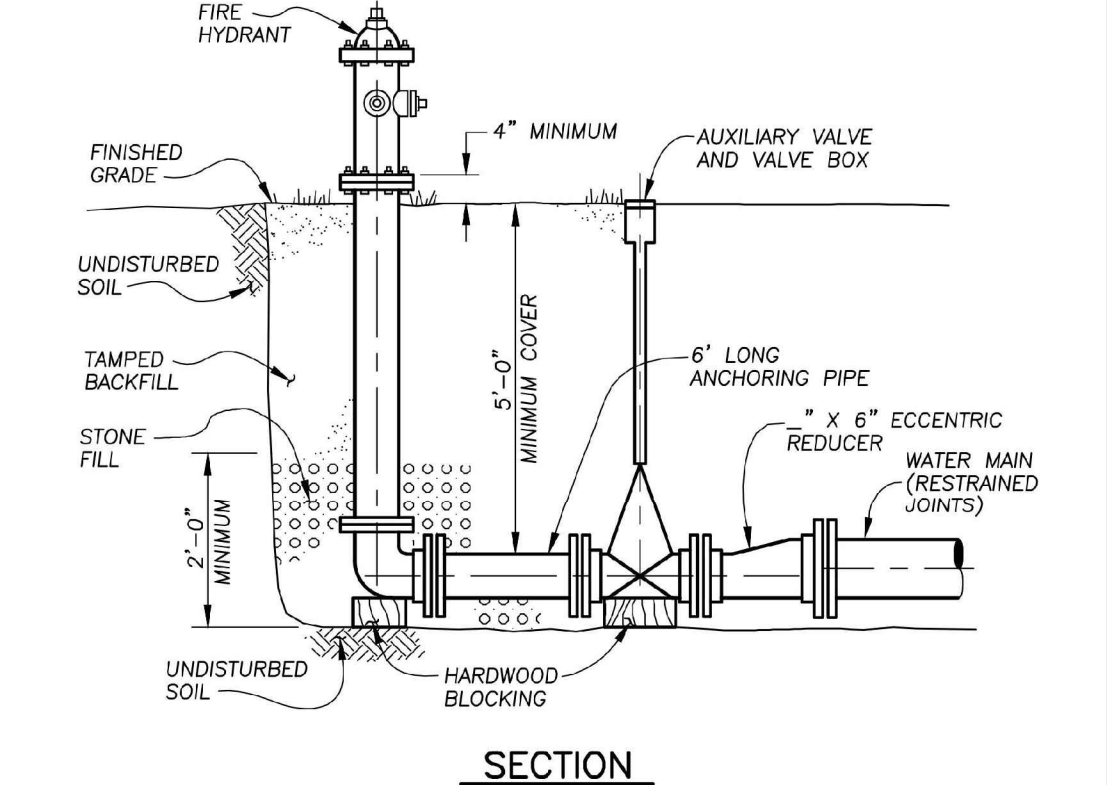
SECTION

HYDRANT PERPENDICULAR TO WATER MAIN DETAIL
1/2" = 1'-0"



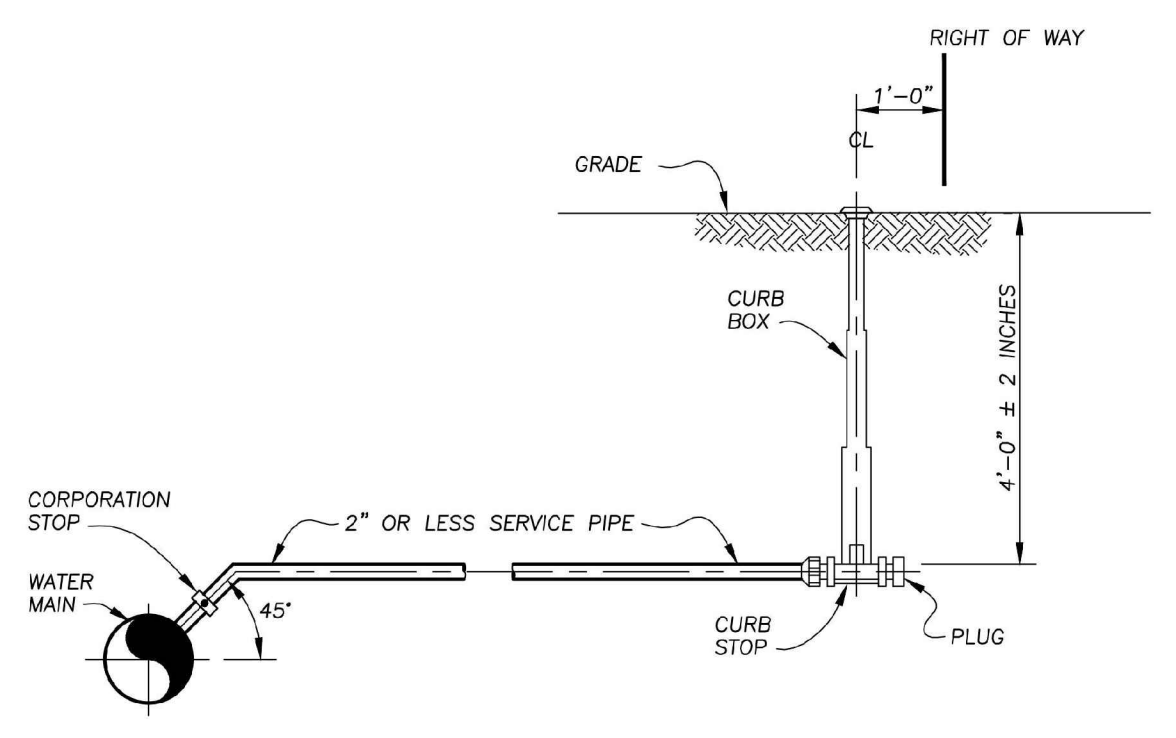
SECTION

HYDRANT PARALLEL TO WATER MAIN DETAIL
1/2" = 1'-0"



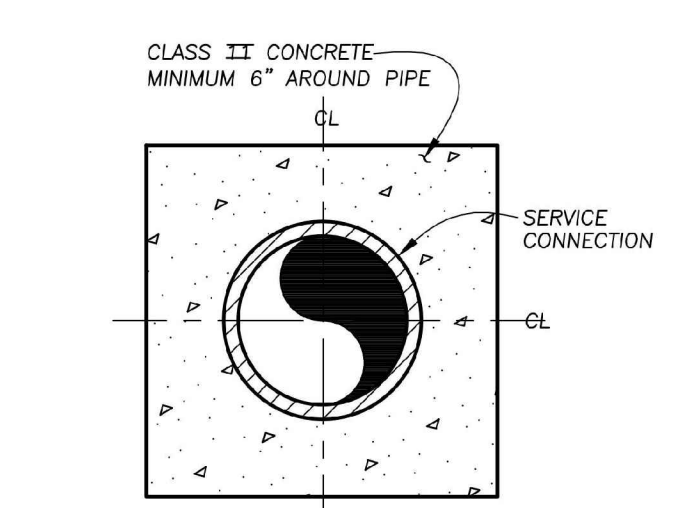
SECTION

HYDRANT AT END OF WATER MAIN DETAIL
1/2" = 1'-0"



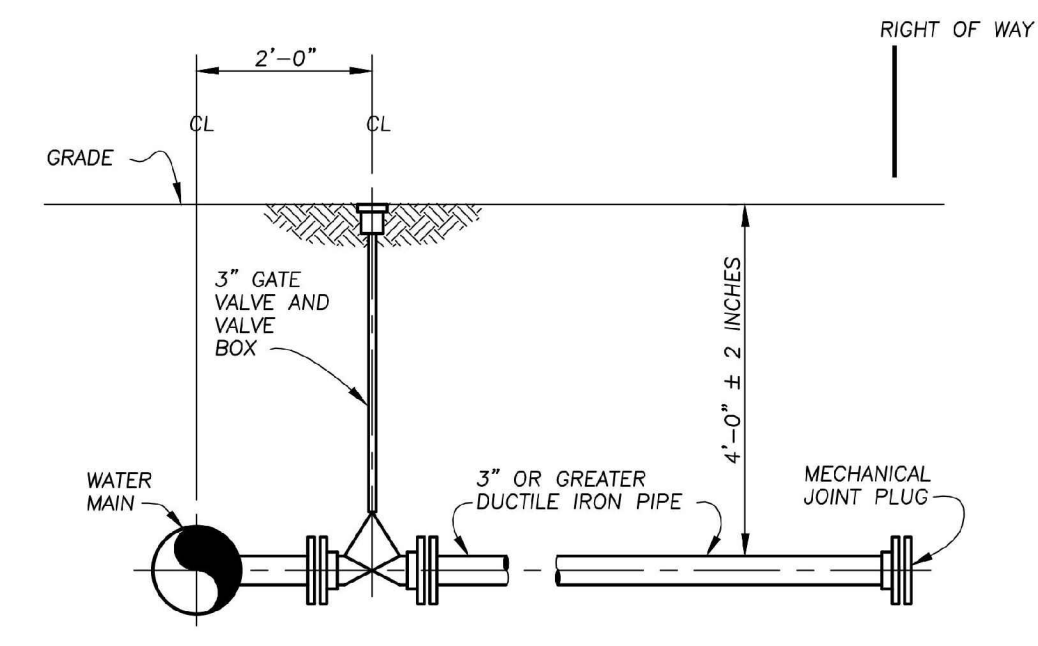
SECTION

TYPICAL 2" OR LESS SERVICE CONNECTION
1/2" = 1'-0"



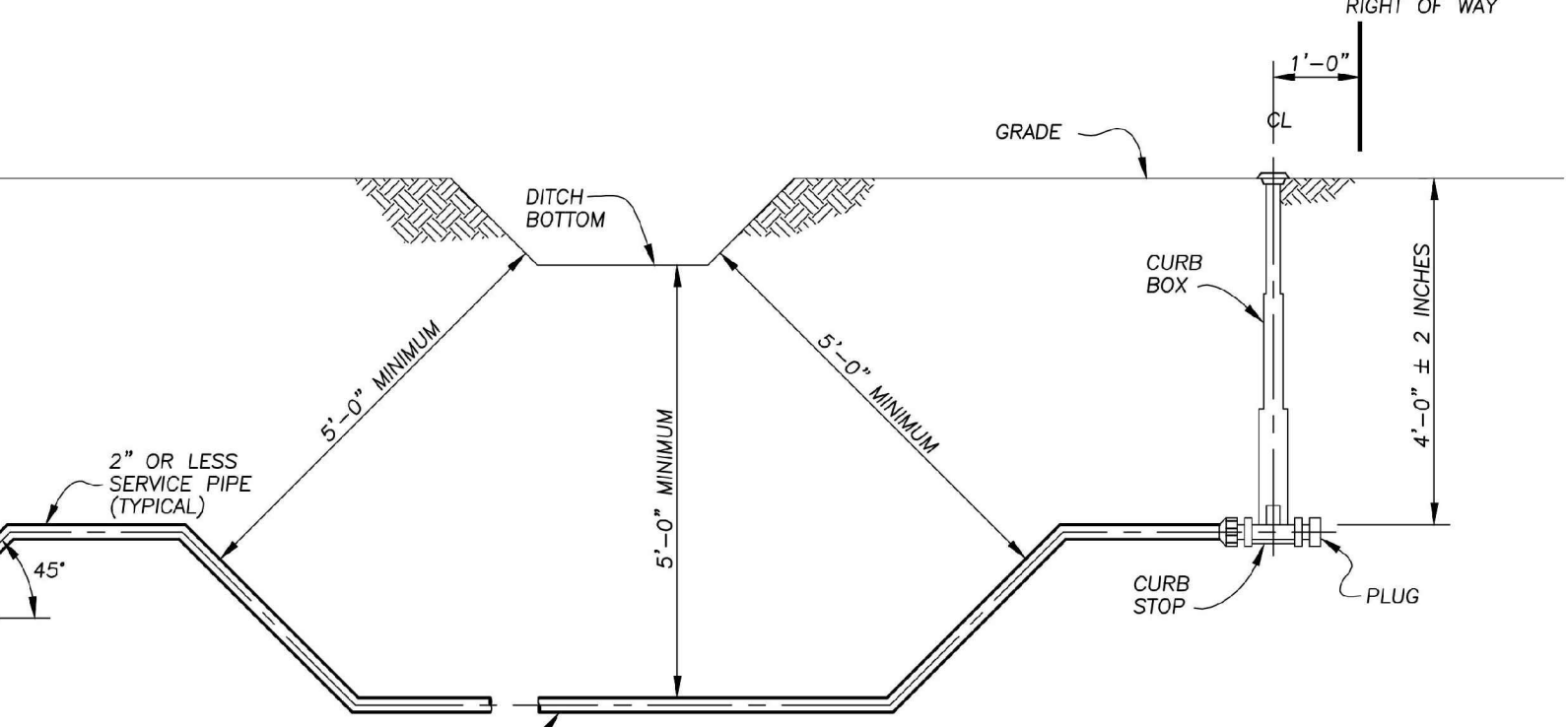
SECTION

CONCRETE PIPE ENCASUREMENT
NO SCALE



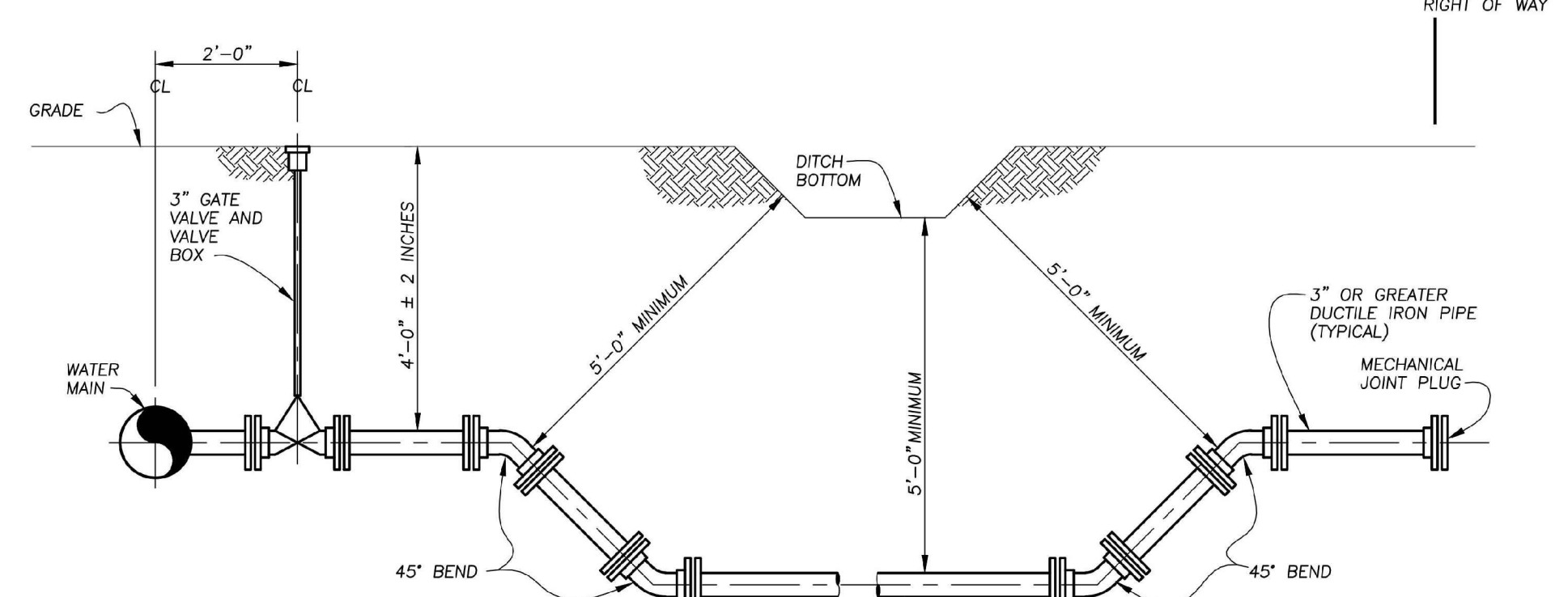
SECTION

TYPICAL 3" OR GREATER SERVICE CONNECTION
1/2" = 1'-0"



SECTION

TYPICAL 2" OR LESS SERVICE CONNECTION BELOW DITCH
1/2" = 1'-0"



SECTION

TYPICAL 3" OR GREATER SERVICE CONNECTION BELOW DITCH
1/2" = 1'-0"

PAVEMENT AND WATER MAIN STANDARD DETAILS
CITY OF PERRYSBURG, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF WATER

REV. NO.	REVISION	DATE

GENERAL NOTES AND DETAILS
PROJECT: COVENTRY POINTE PLAT FIVE
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED
DATE
SCALE: AS NOTED
DATE: 9.10.2025
DESIGNED: AMF DRAWN: RSP
CHECKED: GNF REVIEWED: GNF
PROJECT: 10-08869
DRAWING: 10-08869WP05A1-AB
SHEET 4 OF 5

P:\Projects\108869 Coventry Pointe\DWG\10-08869WP05A1-AB.dwg, 4.9/10/2025 12:09:46 PM, rpawicki

ORDINANCE 3-2026

**ACCEPTING STREETS, ALLEYS, AND GREEN SPACE AND OTHER
DEDICATED INFRASTRUCTURE PER CODIFIED ORDINANCE
§1295.07 (FALLS AT RIVERS EDGE PLAT 4); AND DECLARING AN
EMERGENCY**

WHEREAS, Codified Ordinance §1295.07 requires that dedication of certain improvements within subdivisions be accepted by ordinance; and

WHEREAS, the streets, alleys, green spaces, and other dedicated infrastructure and improvements in a subdivision, as summarized on Exhibit A, (Falls at Rivers Edge Plat 4) have been completed to the satisfaction of the City of Perrysburg, Ohio, and such improvements have been offered for dedication and now should be accepted and dedicated; and

WHEREAS, the value of the property includes but is not limited to:

Sanitary	1843 linear feet	\$113,975.00
Water	1844 linear feet	\$116,764.00
Roadway	1960 linear feet	\$89,415.00
Storm	5212 linear feet	\$168,731.00

NOW THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF PERRYSBURG, WOOD COUNTY, OHIO:

SECTION 1. In conformity with Codified Ordinance §1295.07 and all otherwise applicable law, the City of Perrysburg, Ohio, hereby accepts for dedication the streets, alleys, green spaces, and other dedicated infrastructure and improvements of the subdivisions listed on Exhibit A, (Falls at Rivers Edge Plat 4) which is attached hereto and incorporated as if fully restated herein.

SECTION 2. It is found and determined that all formal actions of Council concerning or relating to the passage of this Ordinance were adopted in an open meeting of the Council, and that all deliberations of this Council and any of its committees, that resulted in such formal actions, were in meetings open to the public in compliance with all legal requirements of the City of Perrysburg and the State of Ohio.

SECTION 3. This Ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health, and safety of the citizens of the City of Perrysburg, Wood County, Ohio, in order to avoid any confusion regarding rights, duties, and obligations with respect to the subject infrastructure, and

shall be in full force and effect from and immediately after its passage and approval by the Mayor.

President of Council

Mayor

PASSED: _____

ATTEST: _____

APPROVED: _____

Timothy W. Effler
LAW DIRECTOR

PAVEMENT & DRAINAGE AS BUILT
FOR
FALLS AT RIVERS EDGE PLAT 4

CITY OF PERRYSBURG, WOOD COUNTY, OHIO

INDEX OF SHEETS

TITLE SHEET	1
GENERAL NOTES AND DETAILS	2-5
GENERAL NOTES AND SUMMARY	6
OUTLET STRUCTURE DETAILS	7
SITE GRADING PLAN & STREET SIGN DATA	8
TYPICAL SECTION	9
INTERSECTION DETAILS	10
PLAN AND PROFILE	11-13
CROSS SECTIONS	14-21
EPSC	22-26

BENCH MARK DATA

WOOD COUNTY BENCH MARK

MCO668 USGS SURVEY DISC IN CONCRETE MONUMENT
SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE
ROAD & FIVE POINT ROAD.

ELEVATION 650.10

SITE BENCH MARK #82

RIM OF STORM MANHOLE @ STATION 29+96.77, 25.91' RT.
FALLING WATERS EDGE

ELEVATION 649.20

SITE BENCH MARK #51

RIM OF STORM MANHOLE @ STATION 39+82.03, 24.17' LT.
HOMESTEAD DRIVE

ELEVATION 649.64

CONVENTIONAL SIGNS

	PROPOSED	EXISTING
SANITARY SEWER	—S—	-S-
STORM SEWER	—ST—	-ST-
WATERLINE	—W—	-W-
SANITARY MANHOLE	⊙	⊙
STORM MANHOLE	●	⊙
CATCH BASIN	■	■
YARD BASIN	●	⊙
WATER VALVE IN MANHOLE	⊙	⊙
HYDRANT	⊙	⊙
CENTERLINE	—○—	-○-
TYPE A MONUMENT	✱	✱
TYPE B MONUMENT	✱	✱
IRON PIPE	•	•



KEY MAP
SCALE: 1"=150'
NORTH

STORMWATER FACILITIES WHICH ARE NOT LOCATED IN EASEMENTS
OR THE PUBLIC RIGHT-OF-WAY SHALL BE PRIVATELY OWNED
AND MAINTAINED. FAILURE TO MAINTAIN PRIVATELY OWNED STORM
WATER FACILITIES MAY RESULT IN ENFORCEMENT ACTION.

STANDARD DRAWINGS

ODOT

RM-1.1	ROADWAY MONUMENTS	1/20/23
BP-7.1	CURB RAMPS	7/19/24

WOOD COUNTY: (<http://engineer.co.wood.oh.us/index.php/standard-drawings>)

TYPE A MONUMENT ASSEMBLY
MOUNTABLE CURB AND GUTTER, TYPE F

SCALES

PLAN	1" = 50'
PROFILE, HORIZONTAL	1" = 50'
PROFILE, VERTICAL	1" = 5'
CROSS-SECTION, HORIZONTAL	1" = 20'
CROSS-SECTION, VERTICAL	1" = 5'

PAVEMENT APPROVED BY

[Signature] 2-11-2025
DATE
CITY OF PERRYSBURG
BRIAN A. THOMAS, P.E. P.S.
CITY ENGINEER
DIRECTOR OF PUBLIC SERVICE DESIGNEE

DRAINAGE APPROVED BY

[Signature] 2/10/2025
DATE
CITY OF PERRYSBURG
DIRECTOR OF PUBLIC UTILITIES
MATT CHOMA, P.E.

DEVELOPED BY:

GROUND SOLUTIONS
25559 ECKEL ROAD
PERRYSBURG, OHIO 43551
(419) 467-3357
MATT.GROUNDSOLUTIONS@GMAIL.COM

[Signature] 2-7-25
DATE
NAME
PRESIDENT

RECORD CONSTRUCTION 10/28/25

UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig

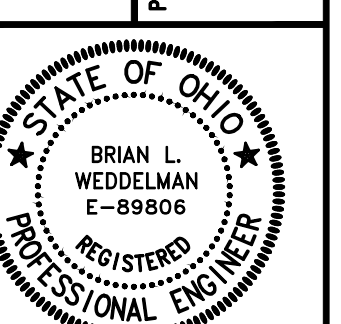
 OHIO811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

FellerFinch
 & ASSOCIATES, INC.
 Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: PAVEMENT & DRAINAGE AS BUILT
 SHEET
 PROJECT: FALLS AT RIVERS EDGE PLAT 4
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO



SIGNED	<i>[Signature]</i>
DATE	2/6/2025
SCALE	AS NOTED
DATE	11.3.2025
DESIGNED	BLW
DRAWN	KSG
CHECKED	BLW
REVIEWED	BLW
PROJECT	10-10141
DRAWING	10-10141DPO01AB
SHEET	1 OF 27

P:\Projects\10E10141-The Falls at Rivers Edge-Perrysburg Ohio-Preliminary_Dwg\10-10141DPO01AB.dwg, 1, 11/30/2025 12:10:17 PM, rpwilicki

PAVEMENT AND STORM SEWER SPECIFICATIONS

PART 1 GENERAL

1.1 SUMMARY

- A. Storm sewers, 60 inches in diameter and smaller.
B. Pavement for local roads.
C. Audio-DVD/CD taping of existing and new storm sewer interiors.

1.2 STANDARDS

- A. All materials and construction shall be in accordance with the Standards and Specifications of the City of Perrysburg (the City) Department of Public Services/Utilities, and/or the American Society for Testing and Materials (ASTM), and/or the Wood County Engineer, and/or the Ohio Department of Transportation (ODOT) Construction and Material Specifications (CMS). In case of conflict, City Standards and Specifications shall take precedence.
B. All references to Standards and Specifications are to the latest edition, unless otherwise noted.
C. The City's Pavement and Storm Sewer Standard Details apply to these specifications.

1.3 PRE-CONSTRUCTION MEETING, INSPECTION, AND PERMITS

- A. The Department of Public Utilities (419-872-8050), shall be notified seven calendar days prior to the beginning of actual construction.
B. Any work within the City's public rights-of-way requires a Street Opening Permit which is obtained from the Departments of Public Utilities, at 211 East Boundary Street, 419-872-8050.
C. All storm sewer installation and testing shall be inspected by the City or its representative.
D. The City or its representative shall be present during all storm sewer TV inspection and taping.

1.4 DEFINITIONS

- A. Bedding: Material placed under, beside and directly over the pipe for the full width of the trench, from a depth of 4 inches below the outside bottom of the pipe barrel, when the pipe is laid on its final grade, up to a horizontal plane a distance of 12 inches above the top of the pipe barrel.

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 storm specifications_revised_12-30-2015.docx

PAVEMENT AND STORM SEWER SPECIFICATIONS

2.4 BACKFILL

- A. Earth Backfill: Excavated earth material. Use finely divided material, free of stones 3 inches or greater in any dimension, to at least 3 feet above pipe top.
B. Granular Backfill: ODOT Item 304, crushed limestone.
C. Controlled Density Fill (CDF): A mixture of Portland cement, fly ash, and selected granular materials with a compressive strength of 100 psi; Kuhlman Corporation "K-Krete", or as approved.

2.5 LOCAL ROADS

- A. Asphalt Concrete Pavement:
1. 1-1/2 inches ODOT Item 448, Type 1 (medium traffic) Surface Course, PG 64-22
2. 2 inches ODOT Item 448, Type 2 (medium traffic) Intermediate Course, PG 64-22
3. 10 inches ODOT Item 304, Aggregate Base (placed in 2 lifts)
4. On aggregate base, apply ODOT Item 408 Prime Coat at rate of 0.35 gallons per square yard. Installation to be as directed by the City.
5. ODOT Item 407: apply tack coat at the rate of 0.04 gallons per square yard to be placed between intermediate and surface courses and joints.
6. Sealer for Contact and Mating Surfaces and Joints: Comply with ODOT Items 401.14 and 401.17.
7. Pavement Sealer: When required by and as approved by the City.
B. Concrete: ODOT Class C.

3.1 STORM SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 and the requirements of these specifications.
B. Install concrete pipe within the maximum allowable depths (ground surface to invert) and maximum allowable trench widths (at the top of the pipe) as specified in 1.8.B.
C. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
D. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and to 12 inches over the pipe sewer for the full width of the trench; place in 8 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
E. Install pipe at a minimum 10 feet horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the main as possible.

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 storm specifications_revised_12-30-2015.docx

PAVEMENT AND STORM SEWER SPECIFICATIONS

maximum allowable depths (ground surface to invert) and the maximum allowable trench widths (at the top of the pipe) for the various classes and sizes of ASTM C76 reinforced concrete pipe shall be as follows:

Table with columns: ASTM C76, CLASS II, CLASS III, CLASS IV, CLASS V. Rows include Pipe Diameter, Trench Width, and Depth for various pipe sizes (42 inch, 54 inch, 60 inch).

- C. Manholes shall not be designed or constructed to be located within the landscaped islands of cul-de-sacs.

1.9 SEWER INSPECTION SYSTEM REQUIREMENTS

- A. Camera:
1. Capable of operation in 100 percent humidity conditions.
2. Specifically designed and constructed for intended service.
3. Resolution: 500 lines per inch; color image.
4. Provided with built-in lighting system.
5. Provide remote operation of lighting system and camera.
6. Provide with pan and tilt rotating head capabilities.
7. Footage Meter: Provide equipment with a footage meter so that the location of the camera and point of observation is known at all times.
B. Monitor:
1. Located inside mobile TV studio large enough to accommodate a minimum of four people to view the monitor at all times.
2. Capable of providing a color picture.
C. DVD/CD Recorder:
1. Compatible with closed circuit TV to allow for direct recording during inspection.

PART 2 PRODUCTS

2.1 PIPE MATERIAL

- A. PVC Plastic Pipe and Fittings:
1. ASTM D3034 (6" thru 15" pipe sewer at manufacturer's recommended depth).
2. ASTM F679 (18" thru 21" pipe sewer at manufacturer's recommended depth).

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 storm specifications_revised_12-30-2015.docx

PAVEMENT AND STORM SEWER SPECIFICATIONS

- E. Set grade rings in a full bed of mortar and mortar the interior of the grade rings to provide a smooth common surface from frame to top.
F. Set casting frames firmly on top of grade rings with a full leveling bed of 1:1 cement mortar; in paved areas, make casting top 1/4 inch below top of pavement surface; in unpaved streets and alley areas, set the cover not to exceed 1 inch above the ground surface. On right-of-way and in ditches cover elevation shall be as approved by the City.
G. If not integrally cast with the base, after pipe installation provide an Class F concrete invert having a depth equal to 1/2 the sewer pipe diameter and sloping upward toward walls approximately 3 inches; trowel concrete smooth. For concrete inverts integrally cast with the base, fill any void between base and wall with Class F concrete to match top of shaped invert.
H. Encase all manhole frames located in pavement in concrete extending from a horizontal plane 4 inches below the lowest grade ring up to the top of the frame, unless otherwise shown or noted. Make the concrete encasement circular in plan by using a minimum 48-inch diameter steel casing ring as a form, centered on the frame.
I. For rear yard catch basin, pour a 4 inch thick Class C concrete base upon compacted subgrade. Install catch basin pipe to finish grade, bell end up, upon base; connect pipes, and backfill; set frame and grate.
J. Each lot shall have direct access to a rear yard catch basin, per the standard details.
K. Manholes and catch basins shall be located no further than 15 feet behind back curb or edge of pavement unless approved by City of Perrysburg.

3.3 SERVICE CONNECTIONS

- A. Provide for existing and future houses and businesses; minimum 6 inches in diameter unless otherwise shown; maximum two service connections per lateral; install at 1 percent slope.
B. New pvc pipe sewers 27 inch diameter and less: connect to the main sewer by providing an appropriate sized manufacturer wye.
C. New pvc pipe sewer connections: greater than 27 inch diameter: for services up to 15 inch diameter connect to the main sewer by making a direct connect by providing an insert tee manufactured by Inseta Fittings, or as approved by the City, for up to 8 inch diameter services, connect to the main sewer by using an appropriate size stainless steel sewer pipe saddle, as manufactured by General Engineering Company.

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 storm specifications_revised_12-30-2015.docx

PAVEMENT AND STORM SEWER SPECIFICATIONS

3.5 SEWER INSPECTION

- A. Preparation:
1. Upon successful completion of all testing verify with the City new and existing sewers to be TV inspected.
2. Flush and clean sewer interiors to remove sludge, dirt, sand, stones, grease, debris, and other materials from the pipe to ensure clear view of interior conditions.
3. Contractor shall intercept debris at downstream manhole, remove and disposed at an approved location off-site. Provide written documentation to the City indicating disposal site location.
4. Provide materials, labor, equipment, power, and maintenance to implement a temporary by-pass pumping system around the work area for time required to complete TV inspection.
5. Coordinate with the City proposed time and duration of by-pass pumping.
B. Closed-Circuit TV (CCTV) Camera System:
1. Use equipment specifically designed and constructed for closed-circuit sewer inspection.
2. Utilize camera with pan and tilt capabilities to view entire sewer and each lateral connection at multiple angles.
3. Provide appurtenances and artificial lighting as required to enhance the quality of the inspection.
4. Use equipment capable of traveling upstream and downstream.
C. Inspection Operations:
1. The camera shall be moved through the pipe sewer in either direction at a moderate rate (at no time shall the speed be greater than 30 feet per minute).
2. The camera shall be stopped when necessary to permit proper documentation of the sewer's condition.
3. All service connections and inlets shall be noted on the tape.
4. Manual winches, power winches, TV cable and powered rewinds or other devices that do not obstruct the camera view or interfere with proper documentation of the sewer conditions shall be used to move the camera through the sewer line.
5. When manually operated winches are used to pull the television camera through the sewer, telephones or other suitable means of communication shall be set up between the two manholes on the section being inspected to insure good communications between members of the crew.
6. Documentation made during inspection operations must conform to the following guidelines:
a. Meet minimum standards for CCTV inspection of sewers as prepared by the National Association of Sewer Service Companies (NASSCO).
b. Log Sheet: A written log sheet must accompany each DVD/CD.

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 storm specifications_revised_12-30-2015.docx

UNDERGROUND UTILITIES Contact Two Working Days Before You Dig HOH0811.org Before You Dig 1-800-362-2764 (Non-members must be called directly)

1683 Woodlands Drive, Maumee, Ohio 43537 Phone: (419) 893-3680 Fax: (419) 893-2982 www.fellerfinch.com

Table with columns: REV. NO., REVISION, DATE

PAVEMENT & DRAINAGE AS BUILT GENERAL NOTES AND DETAILS FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

Table with columns: TITLE, PROJECT, SHEET 2 OF 27

Table with columns: SIGNED, DATE, SCALE: AS NOTED, DATE: 11.3.2025, DESIGNED: BLW DRAWN: KSG, CHECKED: BLW REVIEWED: BLW, PROJECT: 10-10141, DRAWING: 10-10141DPO01A1B, SHEET 2 OF 27

RECORD CONSTRUCTION 10/28/25

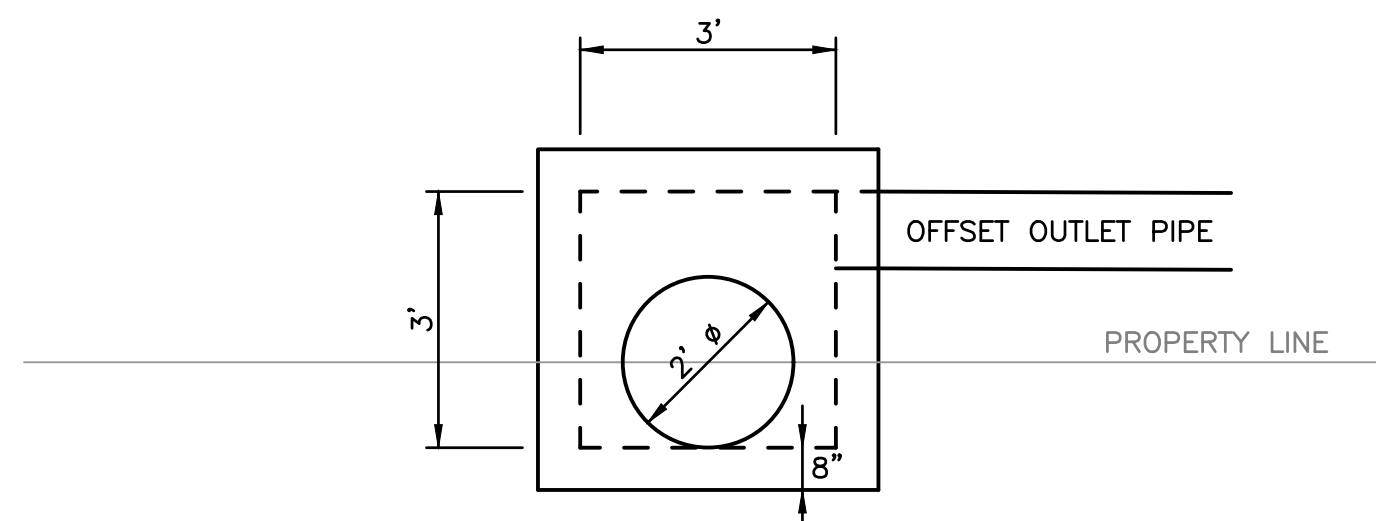
PAVEMENT AND STORM SEWER SPECIFICATIONS

- c. For new sewers, Contractor shall utilize and make reference to manhole numbering as shown and indicated on the project Drawings.
 - d. For existing sewers, Contractor shall prepare and provide a map indicating manhole numbering.
 - e. Reference to new and existing manhole numbers on the DVD/CD, summary report, and pictures shall be consistent with the numbering sequence on the Drawings and on the map provided by Contractor.
- 3.6 LOCAL ROADS (UNLESS OTHERWISE APPROVED OR DIRECTED)
- A. Prepare subgrade in accordance with ODOT Item 203. Where it is necessary to construct pavement subgrade in fill, remove the existing topsoil beneath the proposed subgrade.
 - B. Asphalt Concrete Pavement:
 1. ODOT Item 304; construct a 10-inch thick aggregate base in two equal lifts.
 2. ODOT Item 408; apply prime coat at the rate of 0.35 gallons per square yard to the aggregate base. Installation to as be directed by the City.
 3. ODOT Item 448; construct a 2-inch thick asphalt concrete intermediate course.
 4. ODOT Item 448; construct a 1-1/2-inch thick asphalt concrete surface course.
 5. ODOT Item 407; apply tack coat at the rate of 0.04 gallons per square yard to be placed between intermediate and surface course and joints.
 6. Pavement sealer; apply as instructed by manufacturer.
 - C. Concrete Driveways and Parking Areas: ODOT Item 452.
 - D. Concrete Curbs: ODOT Item 609.04 Type 2 Combination Curb and Gutter or Type 6 Curb.
 - E. Pipe Underdrains: ODOT Item 605.03, and as shown on ODOT Standard drawing DM-1.2 and approved Drawings.
- 3.7 MONUMENT ASSEMBLY (IN PAVED AREAS)
- A. Place Type C monuments in accordance with ODOT Item 604, and Standard Construction Drawing RM-1.1.
- 3.8 CURB RAMP DETECTABLE WARNING TRUNCATED DOMES
- A. Material to be supplied shall meet ODOT's Office of Roadway Engineering Services Truncated Domes Approved List.
 - B. Installation shall be in accordance with ODOT's latest Standard Construction Drawings for New Curb Ramps (with Truncated Domes) BP-7.1 and Retrofitted Curb Ramps BP-7.2.
- C. All curb ramps/retrofitted curb ramps shall include new ODOT Class C concrete where truncated dome material is to be installed.
 - D. The City will approve proposed material to be installed.
- 3.9 FIELD QUALITY CONTROL
- A. The City may check compaction of the bedding and backfill at any time.
 - B. All testing shall be in the presence of the City or its representative.
 - C. For compacted bedding and backfill in trenches and for concrete work, the City may require the employing a testing laboratory to make tests on Site.
 1. The City will pay for required testing that meets the City bedding and backfilling specifications.
 2. Contractor shall pay for any retesting required to meet specifications.
 - D. Deflection Test:
 1. Test 8-inch diameter and larger PVC plastic pipe for a maximum deflection of 5 percent not less than 30 days after final full backfill has been placed, as determined by the City.
 2. Conduct deflection tests with a representative of the City present.
 3. Repair or replace pipes exceeding a deflection of 5 percent and then retest until satisfactory test results are obtained. Retesting shall not take place prior to 30 days after the pipe repair/replacement and backfill have occurred. For sewers requiring retesting for deflection and previously tested for leakage, upon obtaining satisfactory deflection test results, retest the affected sewer section for leakage.
 4. Conduct tests by pulling an approved deflection probe, having a diameter not less than 95 percent of the base inside diameter or average inside diameter of the pipe depending on which is specified in the ASTM Specification, including the appendix, to which the pipe is manufactured, through the sewer line without mechanical pulling devices. Have a proving ring with an inside diameter equal to the outside diameter of the probe available at the time the probe is used to verify that the probe has the proper diameter by inserting the probe into the ring. The pipe shall be measured in accordance with ASTM D2122.
 5. Deflection Probe: By Wortco, Inc., Burke Concrete Accessories, Inc., or as approved, designed specifically for testing the deflection of the type and size of pipe subject to test, and complying with the following:
 - a. Odd number (no less than 9) of 1/2 inch by 3/16 inch bar stock runners equally spaced on edge around and welded to the circumference of two minimum 1/4 inch thick circular steel plates.
- b. Distance between plates, out-to-out, of not less than 2 inches smaller than the nominal diameter of the pipe to be tested, with runners extending approximately 1-1/2 inches beyond each plate being bent inward for this distance at approximately 30 degrees.
 - c. Continuous 3/4-inch threaded rod through the center of the plates, having a hex nut drawn tight against the inside face of each plate, and extending each side as required for providing a 3/4-inch ferule loop insert or similar piece for attaching the pulling medium.
- 3.10 MAINTENANCE OF TRAFFIC
- A. Two-way traffic shall be maintained at all times on dedicated roads. If construction along dedicated roads interferes with traffic, Contractor shall provide two flaggers and other traffic control devices in accordance with the latest edition of the Ohio Manual of Uniform Traffic Control Devices.

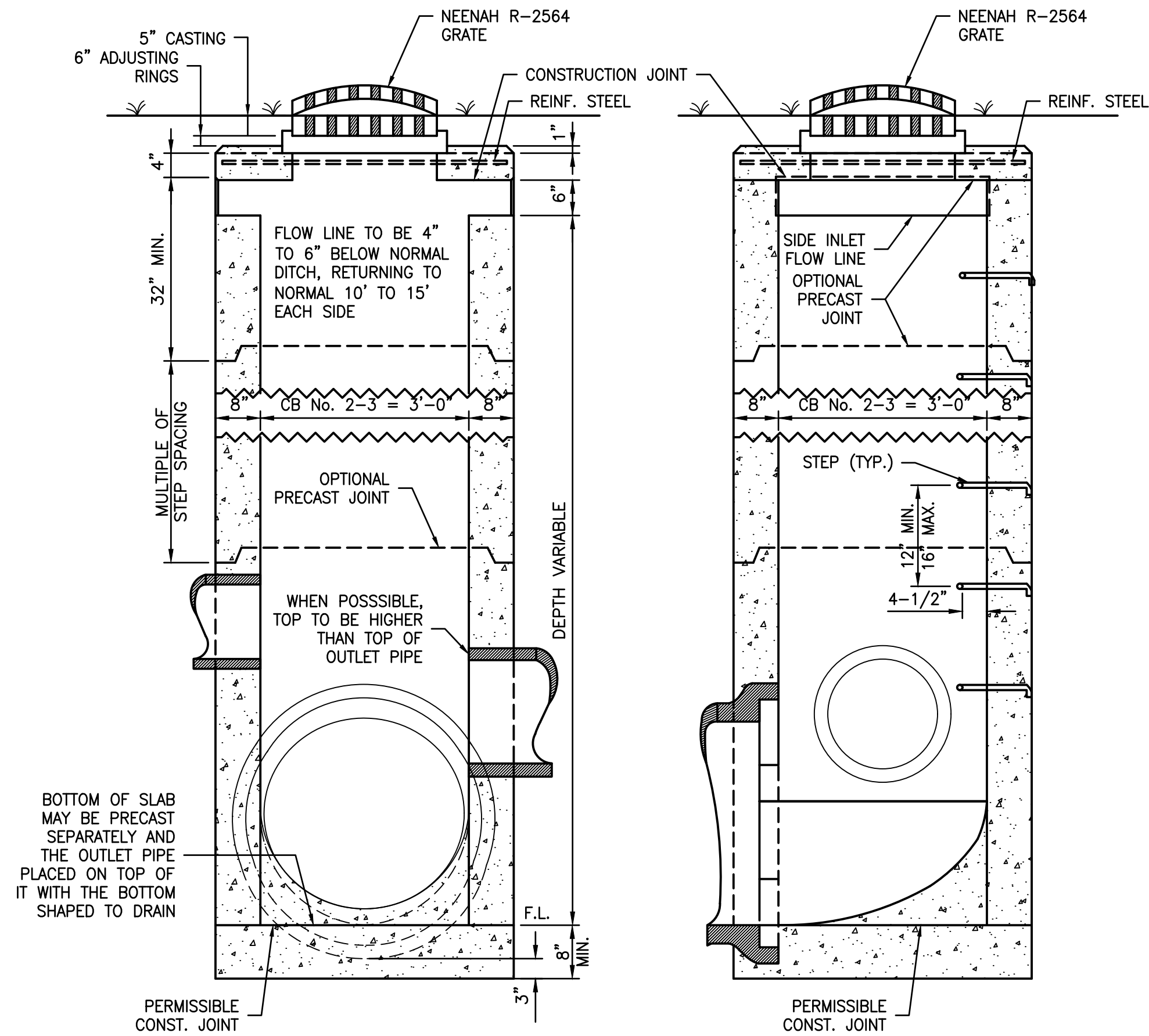
L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 storm specifications_revised_12-30-2015.docx

Page 5 of 5

Revised: 12-30-2015

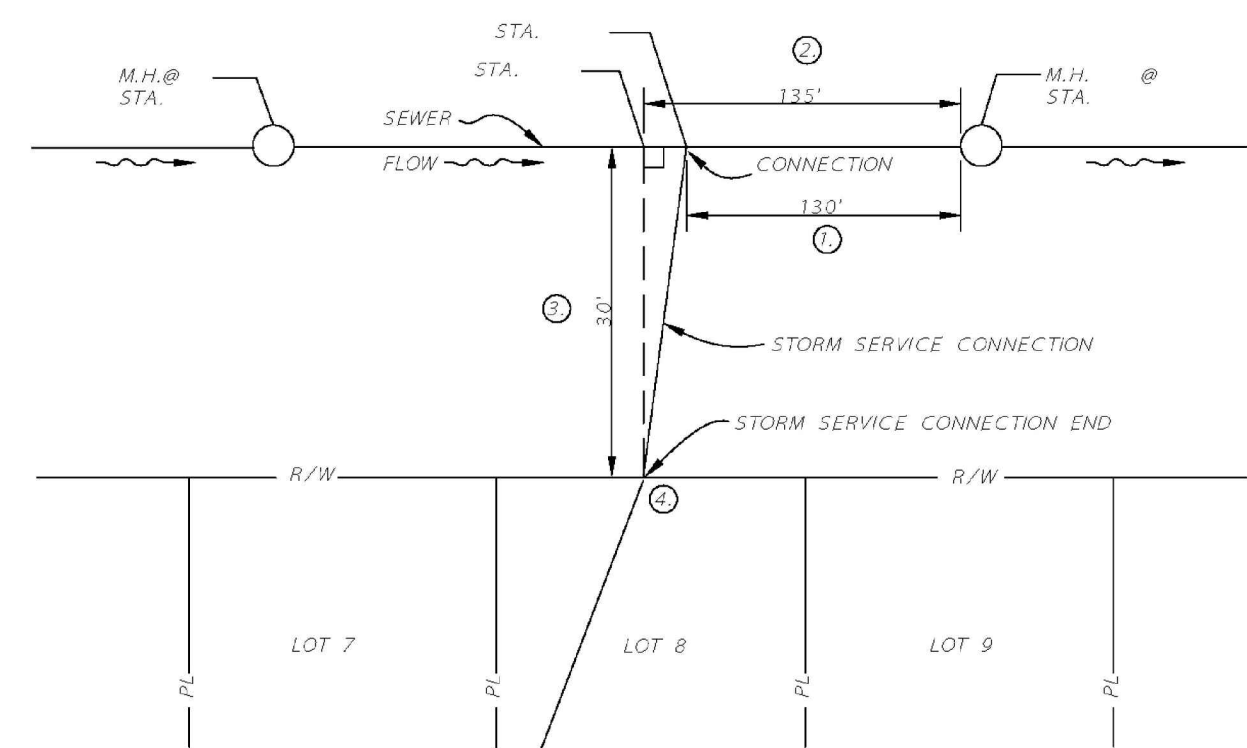


ODOT 2-3 CATCH BASIN, MODIFIED



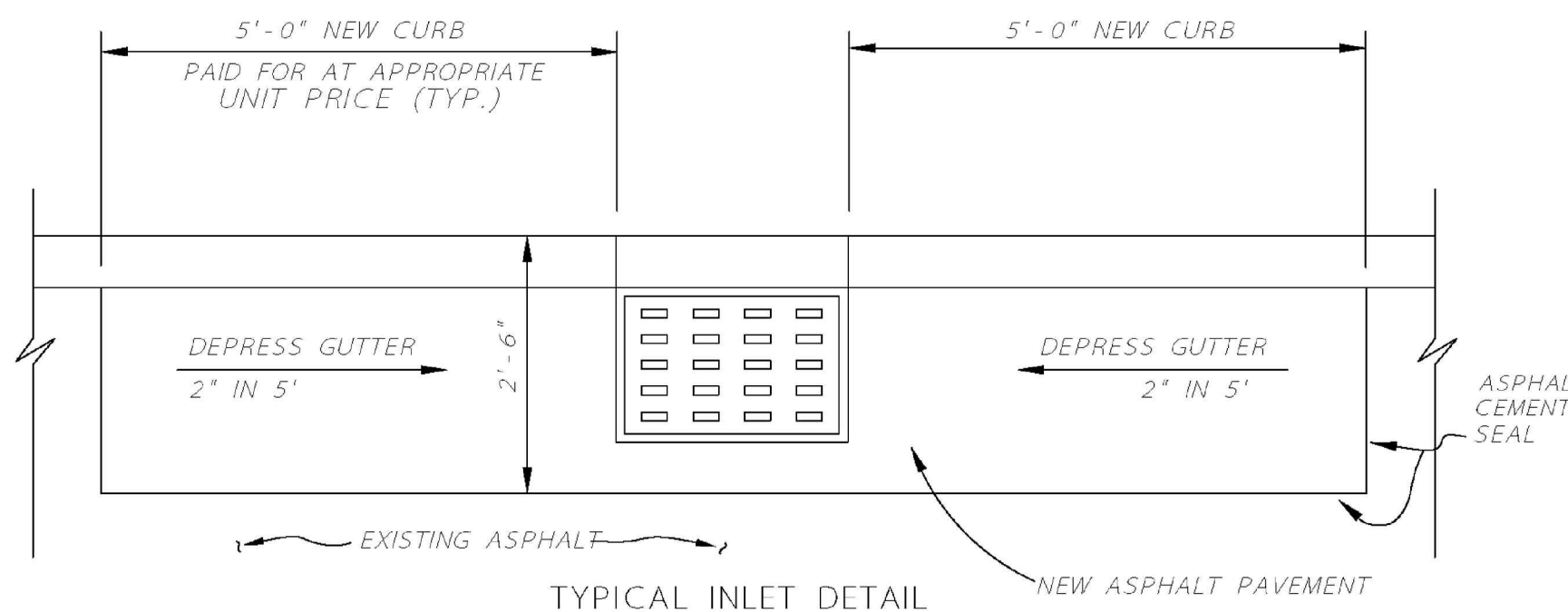
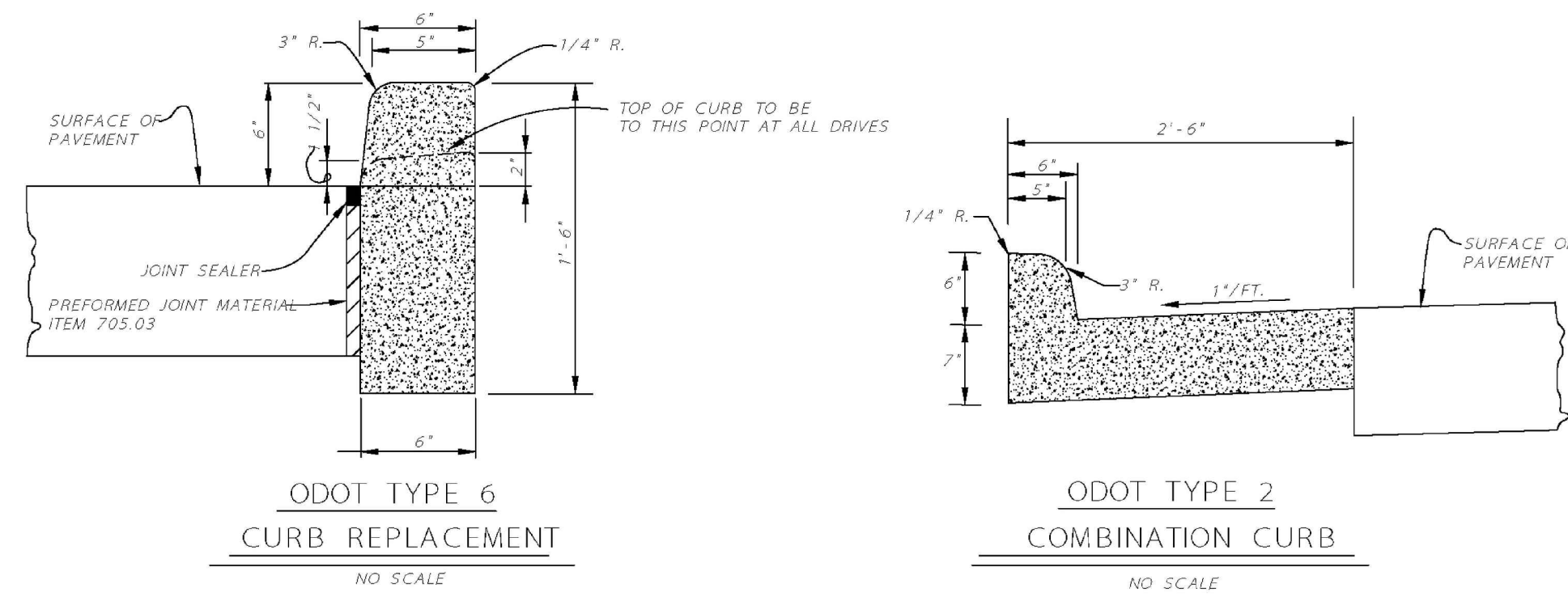
ODOT 2-3 CATCH BASIN, MODIFIED

RECORD CONSTRUCTION 10/28/25

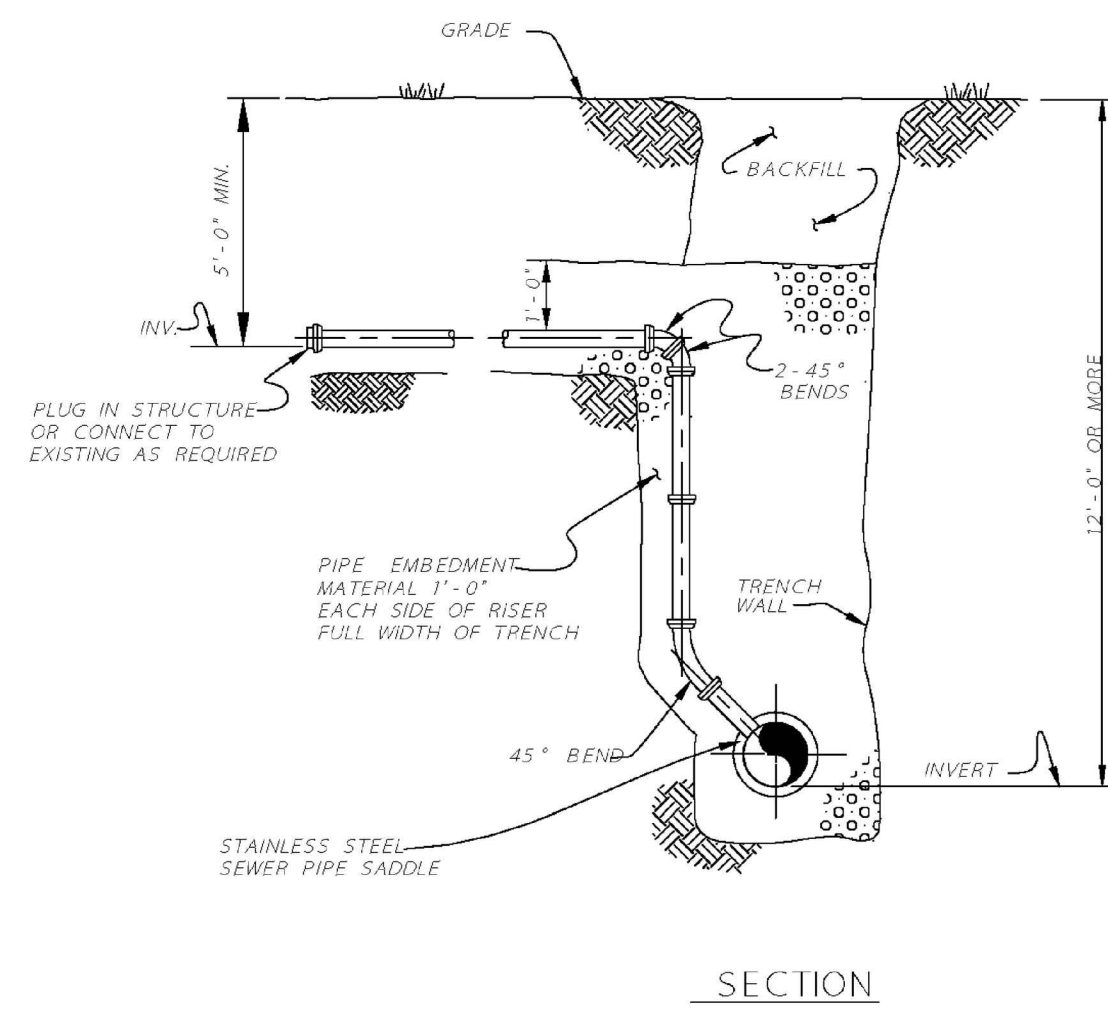


- NOTE:
- 1. 130'
 - 2. 135'
 - 3. 30'
 - 4. 641.8

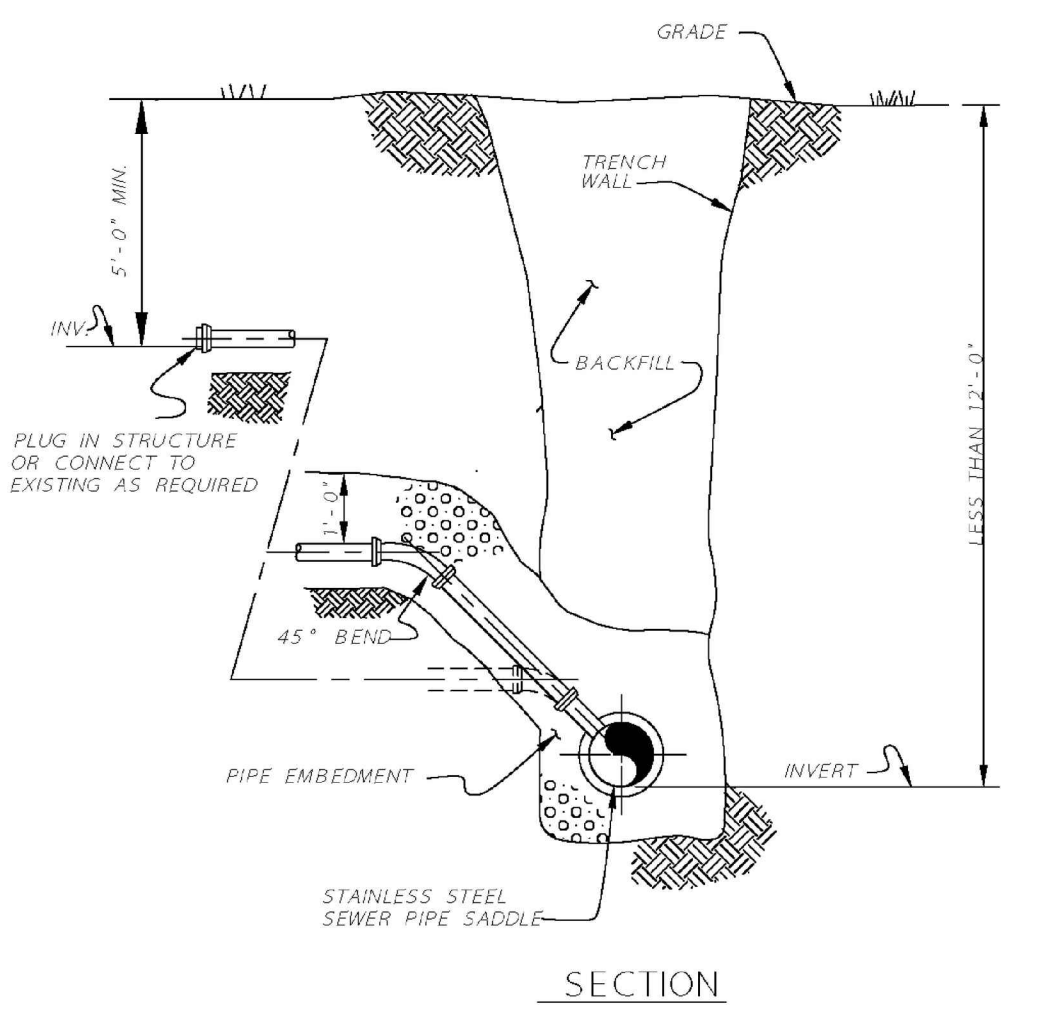
STORM SEWER SERVICE CONNECTION LOCATION REFERENCE
NO SCALE



TYPICAL INLET DETAIL WITH DEPRESSED GRATE
NO SCALE

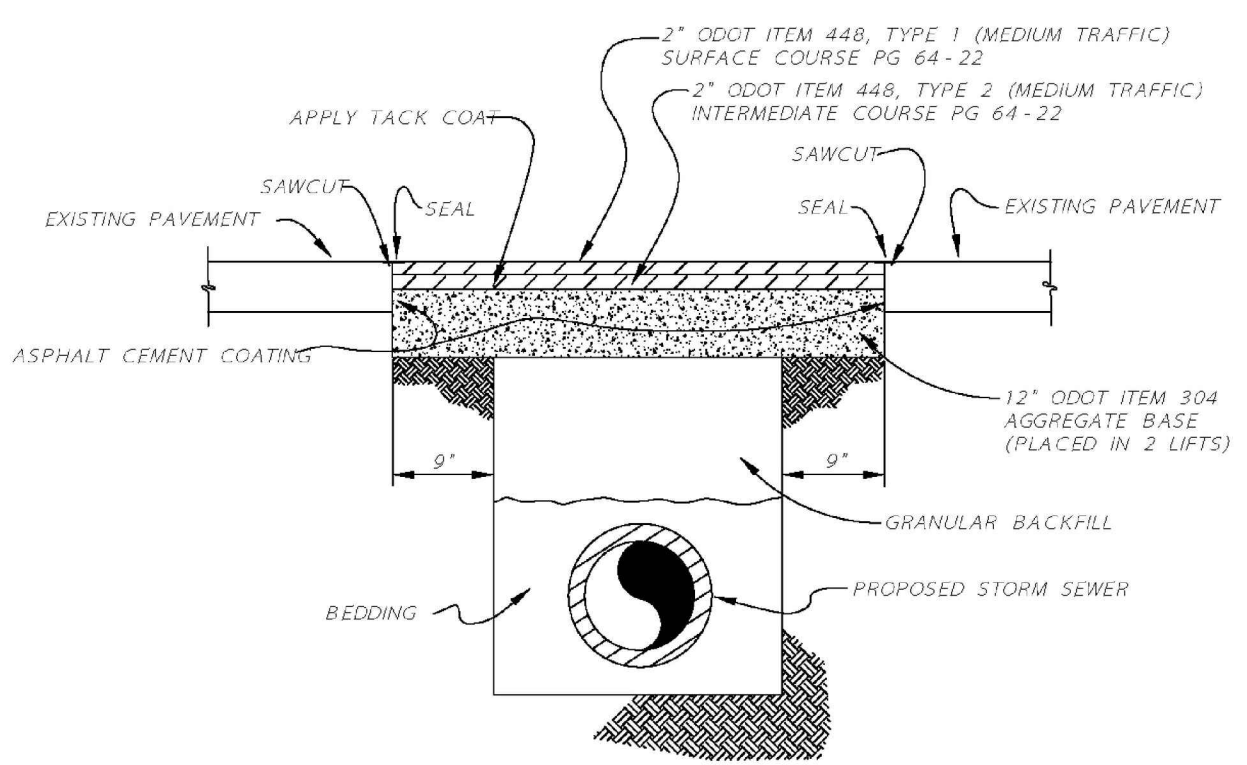


SECTION RISER WHERE DEPTH OF MAIN SEWER EXCEEDS 12'-0"

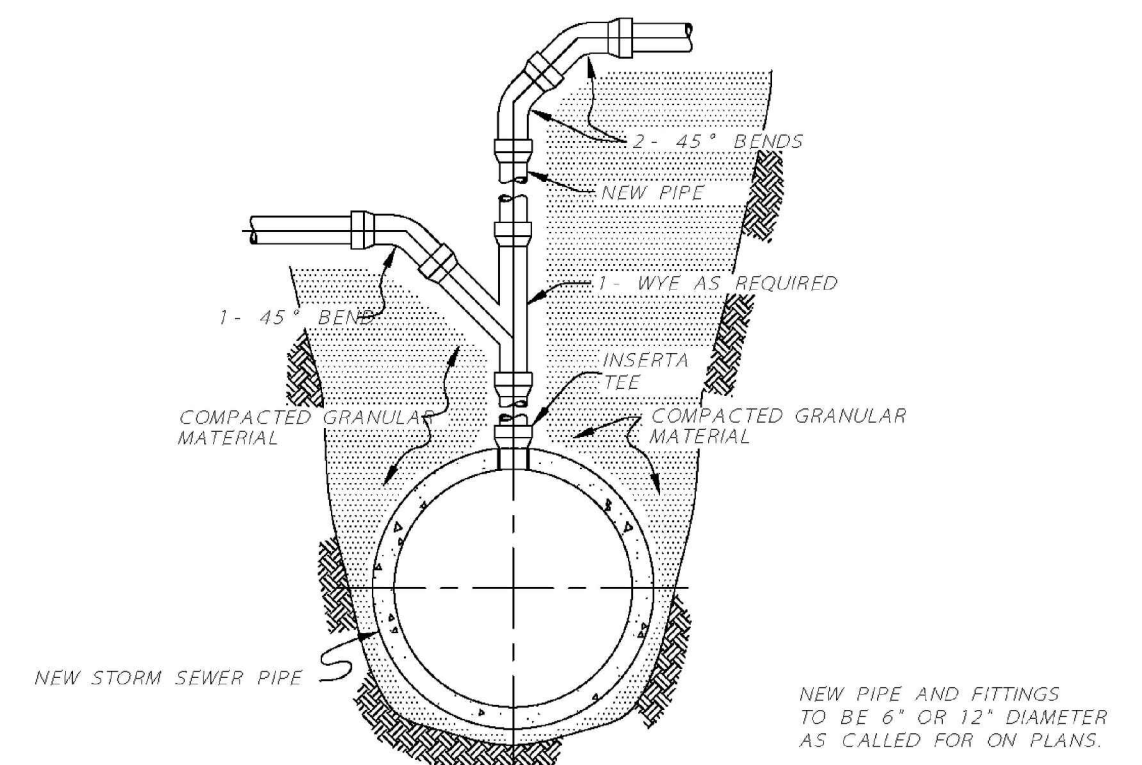


SECTION CONNECTION WHERE DEPTH OF MAIN SEWER IS LESS THAN 12'-0"

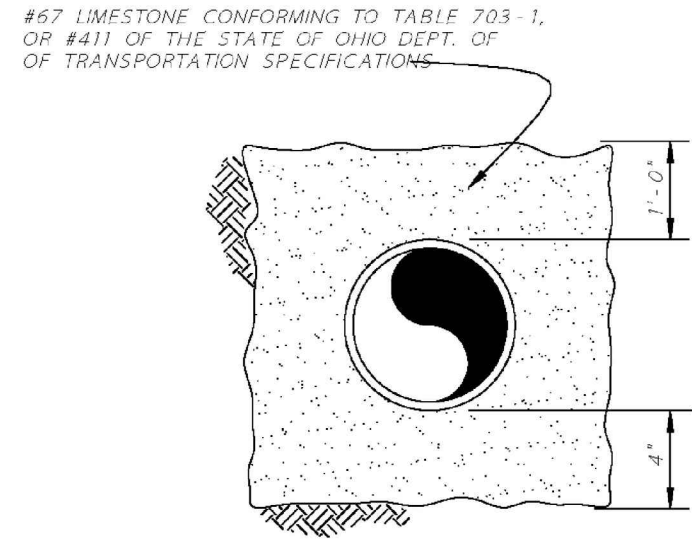
STORM SEWER SERVICE CONNECTIONS OF STORM SEWERS 48" AND LESS
NO SCALE



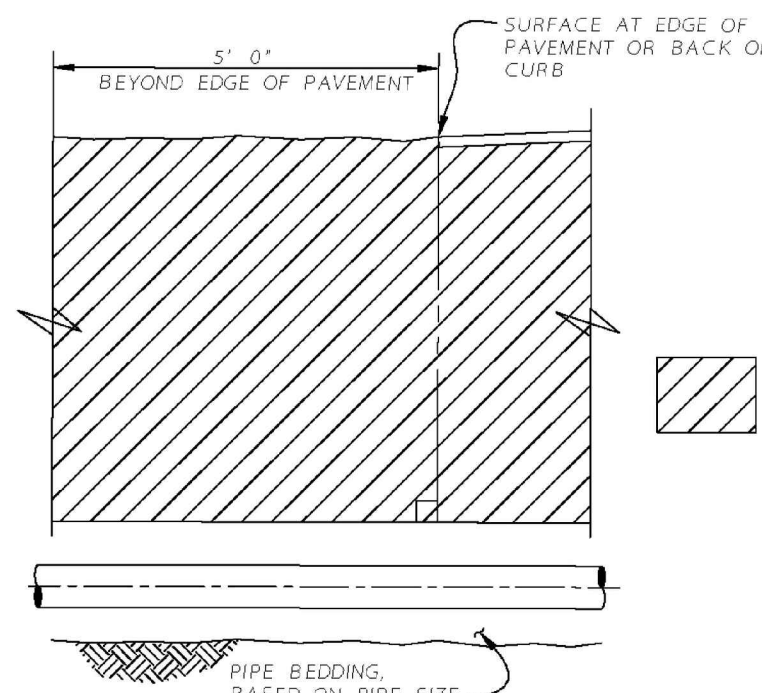
SECTION PERPENDICULAR STREET OPENING REPAIR DETAILS
NO SCALE



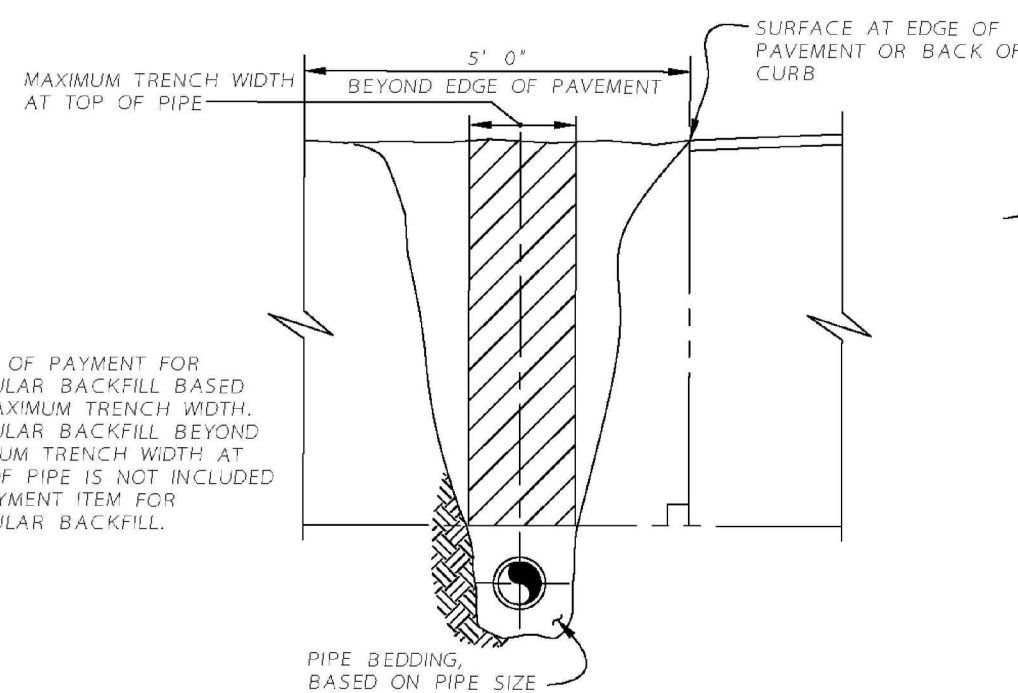
SECTION CONNECTION TO STORM SEWERS GREATER THAN 48" DIAMETER
NO SCALE



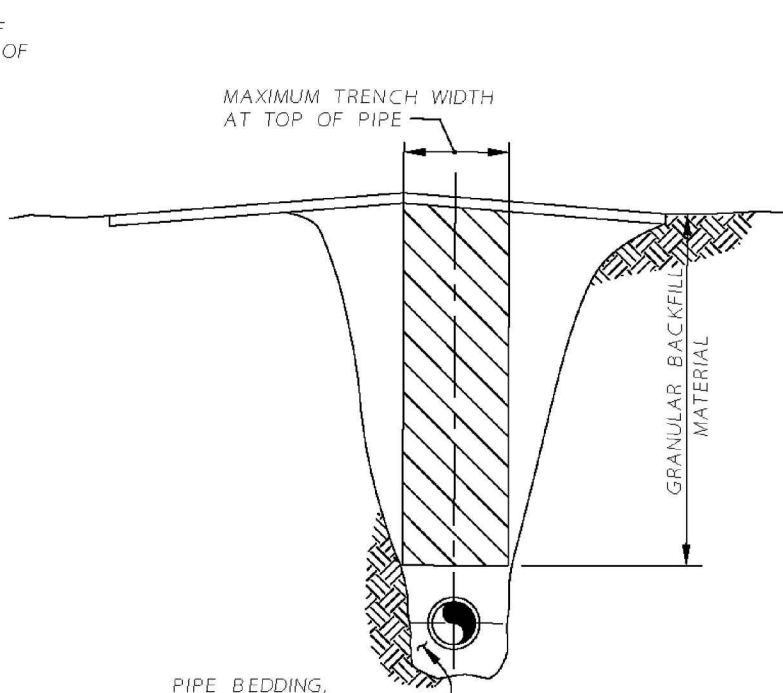
SECTION BEDDING DETAIL FOR PIPE SEWERS
NO SCALE



SECTION CROSSING PAVEMENT WITHIN MAXIMUM TRENCH WIDTH



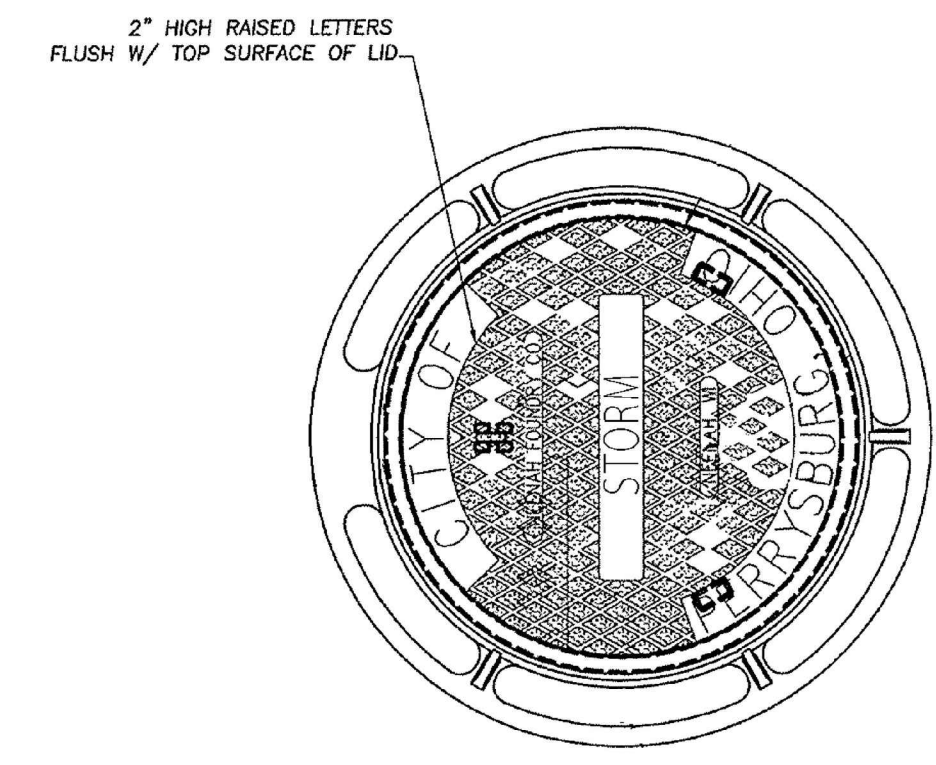
SECTION PARALLEL PAVEMENT WITHIN MAXIMUM TRENCH WIDTH



SECTION INSIDE PAVEMENT

LIMITS OF PAYMENT FOR GRANULAR BACKFILL BASED ON MAXIMUM TRENCH WIDTH. GRANULAR BACKFILL BEYOND MAXIMUM TRENCH WIDTH AT TOP OF PIPE IS NOT INCLUDED IN PAYMENT ITEM FOR GRANULAR BACKFILL.

SECTION GRANULAR BACKFILL
NO SCALE



MANHOLE COVER
NO SCALE

EAST JORDAN IRON WORKS, INC. CATALOGUE 1040 WITH SOLID LID TYPE B OR AS APPROVED; MACHINED SURFACE, FRAME WITH 24 INCH DIAMETER CLEAR OPENING, AND 7 INCH HEIGHT, LIDS TO HAVE "CITY OF PERRYSBURG, OH" - "STORM" CAST INTO TOP.

REVISED
DECEMBER 2005

PAVEMENT AND STORM SEWER STANDARD DETAILS
CITY OF PERRYSBURG, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF WATER POLLUTION CONTROL

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
HO811.org
Before You Dig
OH811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

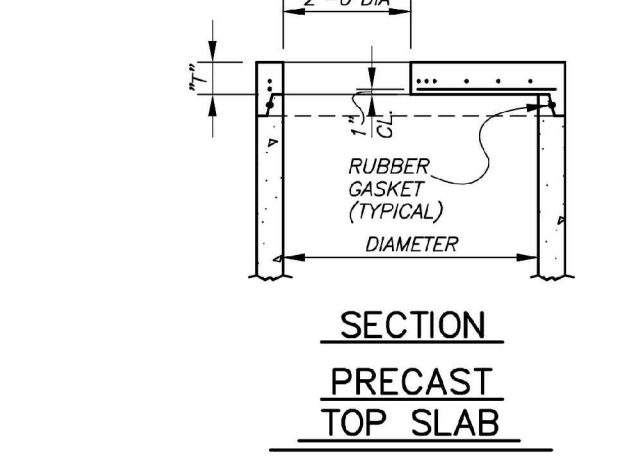
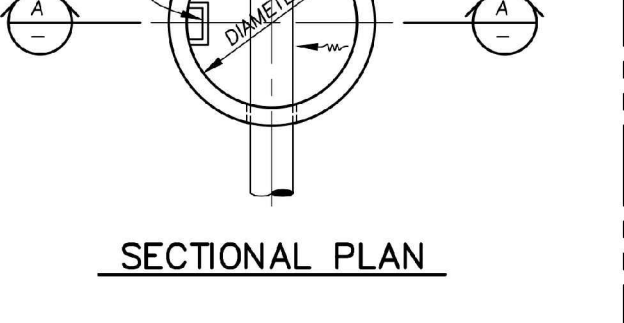
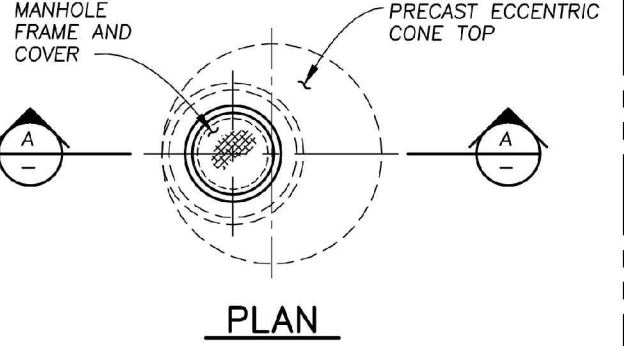
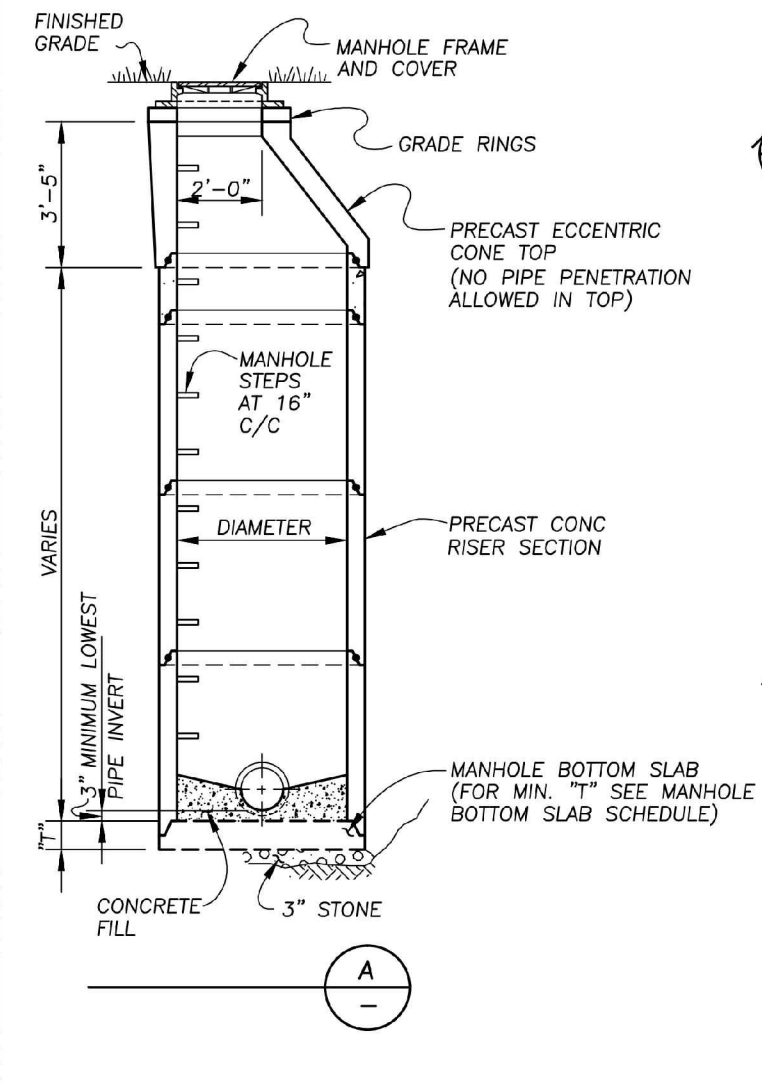
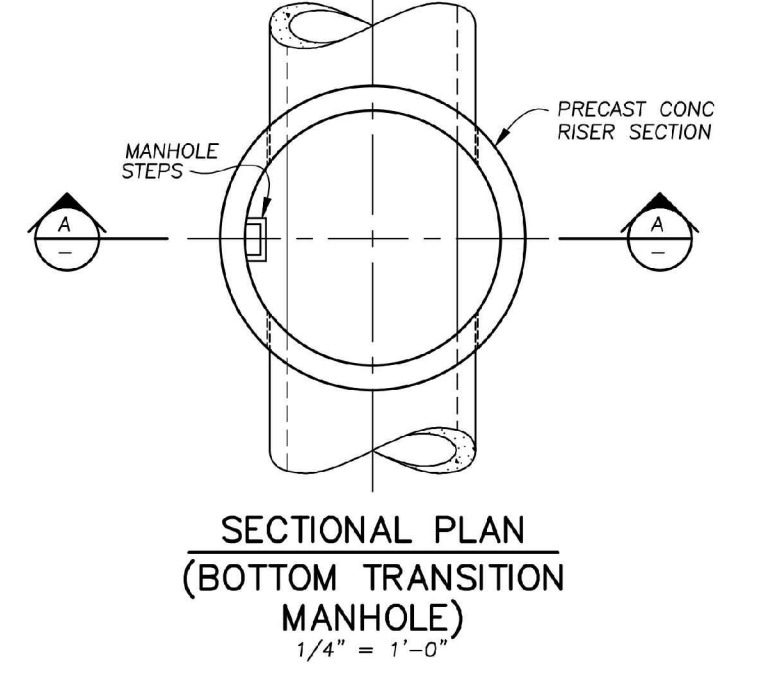
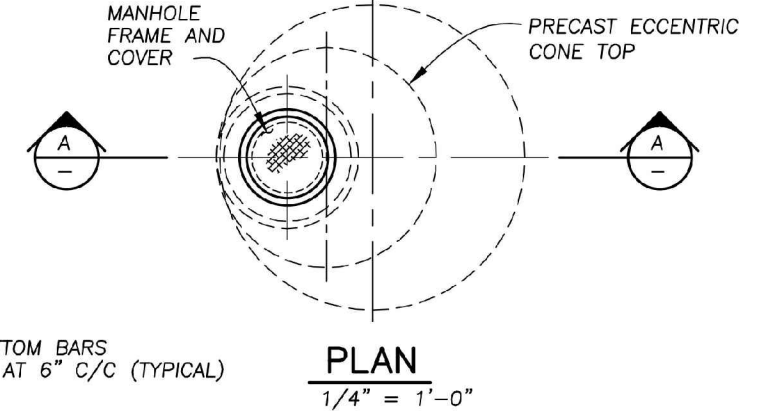
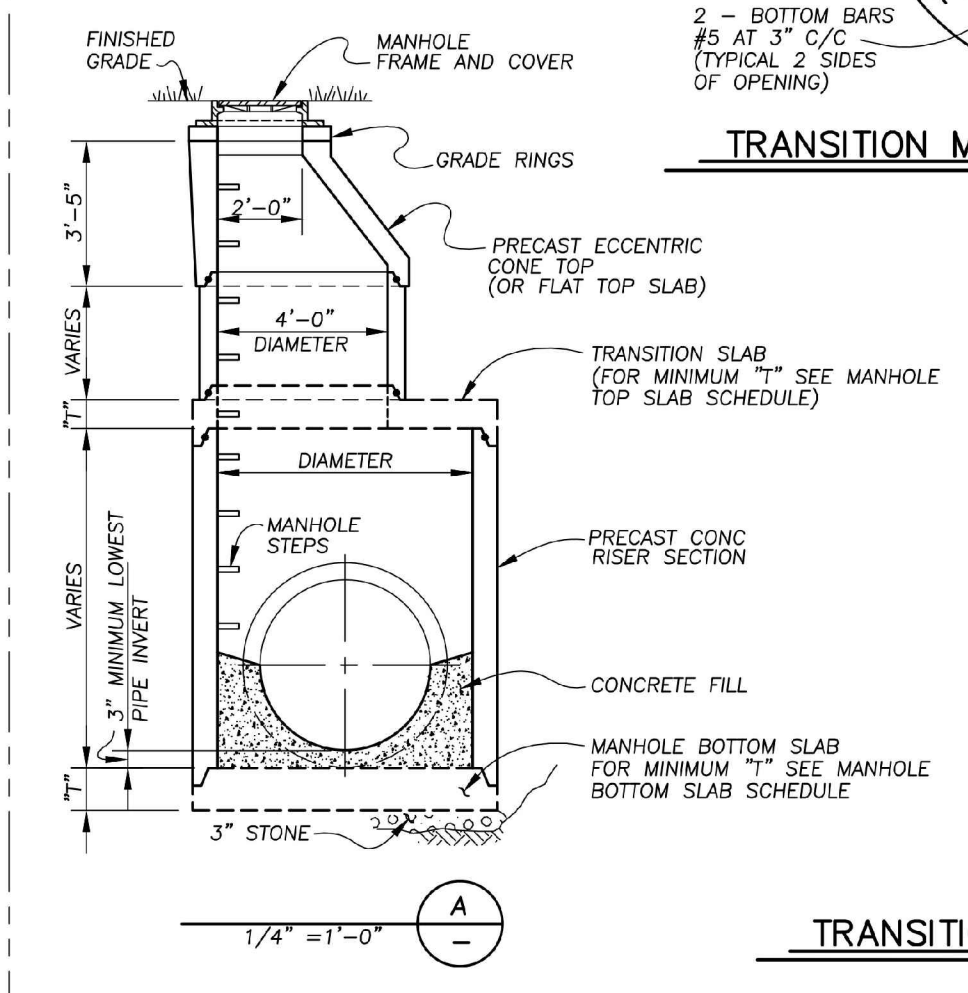
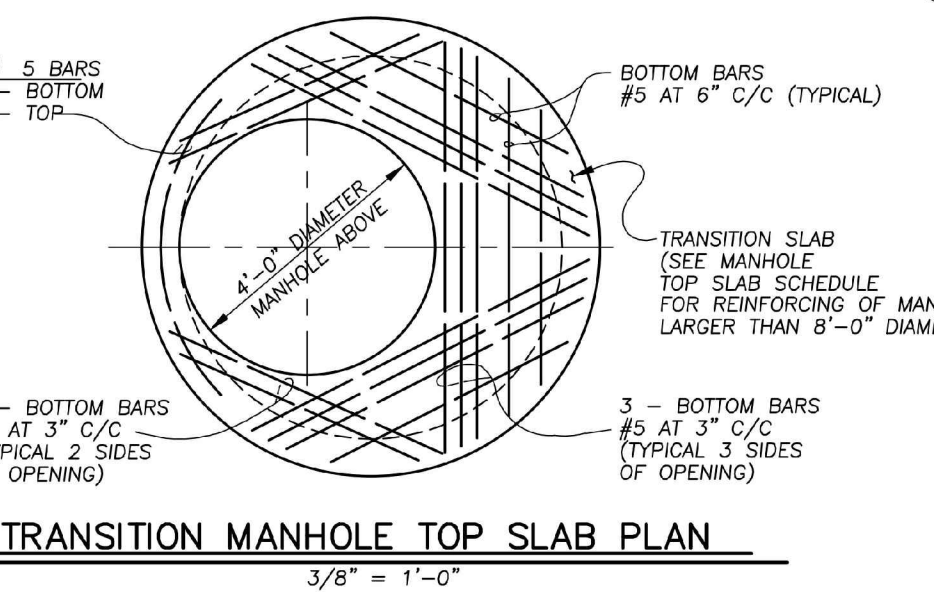
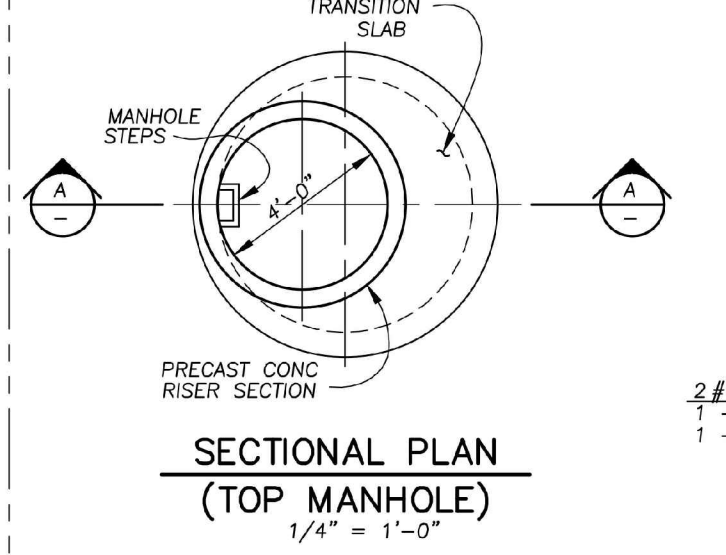
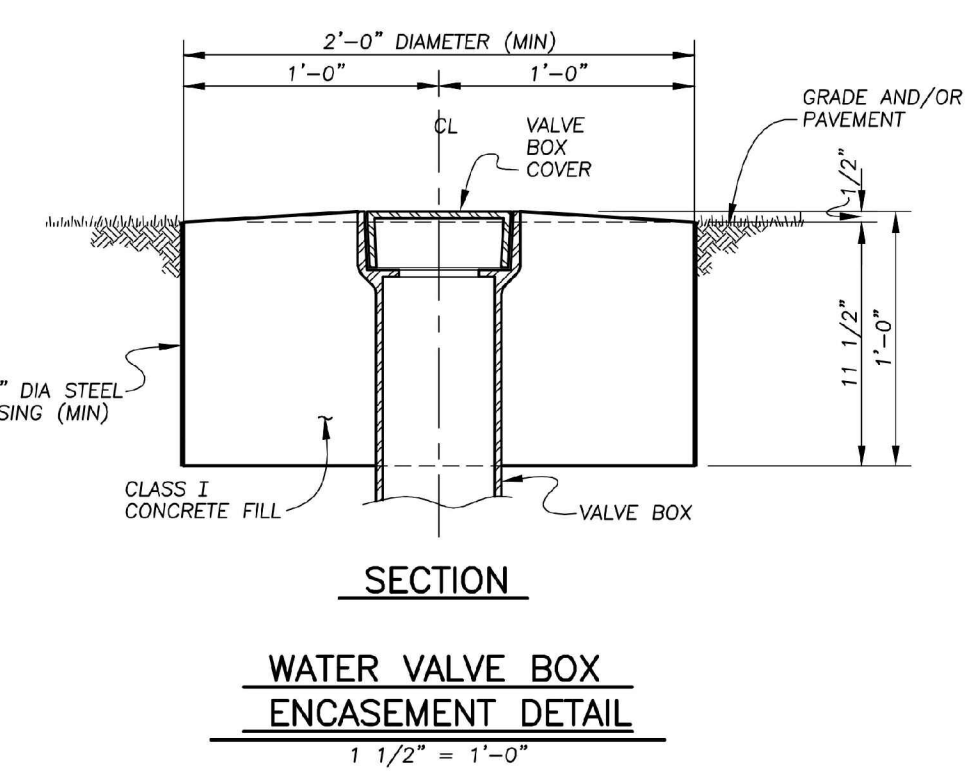
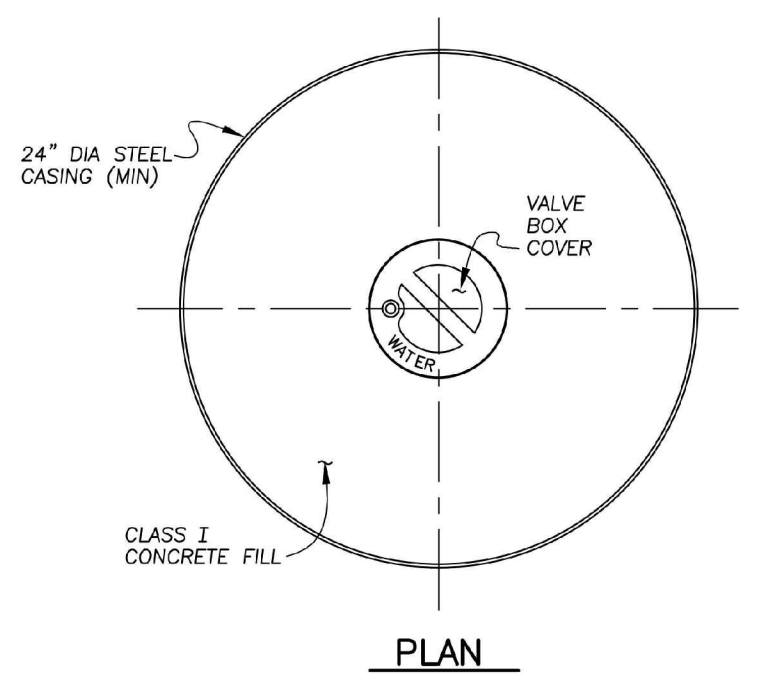
1683 Woodlands Drive,
Maumee, Ohio 43537
FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors
Maumee Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

REV. NO.	REVISION	DATE

PAVEMENT & DRAINAGE AS BUILT GENERAL NOTES AND DETAILS
FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

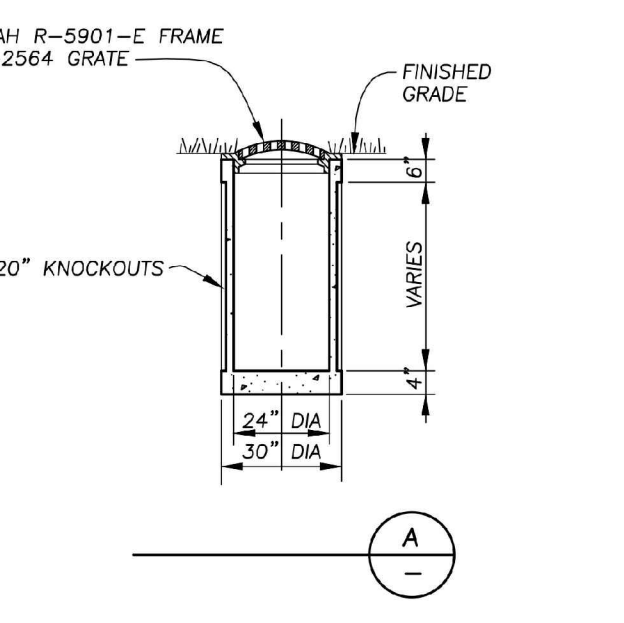
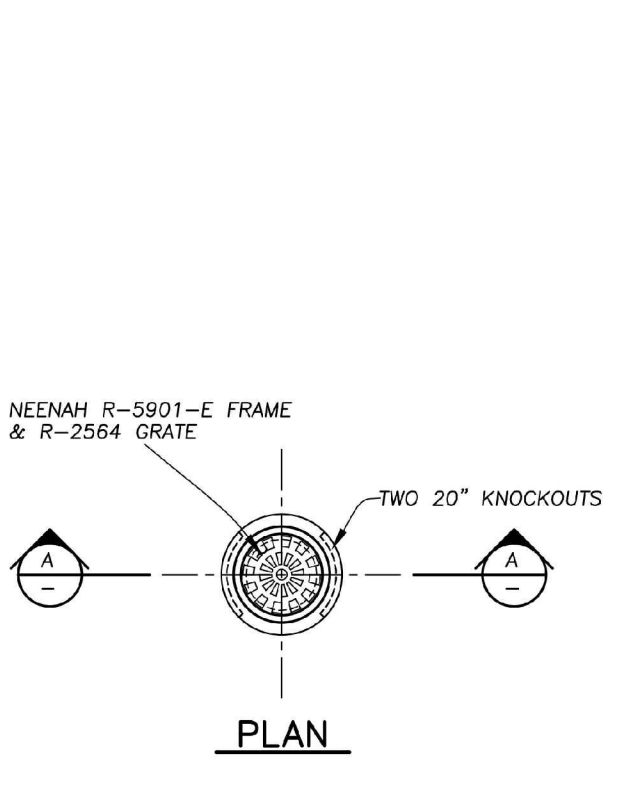
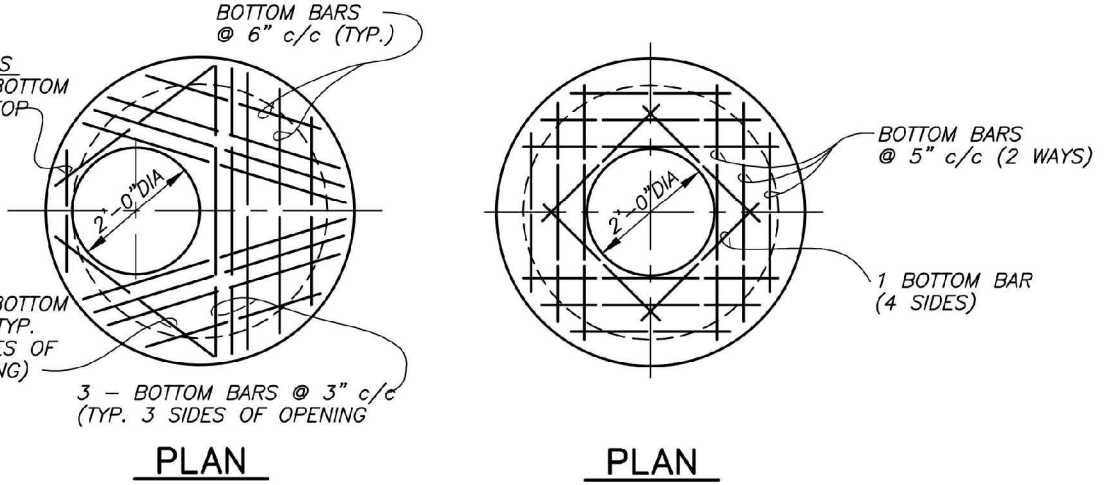
SIGNED
DATE
SCALE: AS NOTED
DATE: 11.3.2025
DESIGNED: BLW DRAWN: KSG
CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141
DRAWING: 10-10141DPO01AB
SHEET 4 OF 27

RECORD CONSTRUCTION 10/28/25

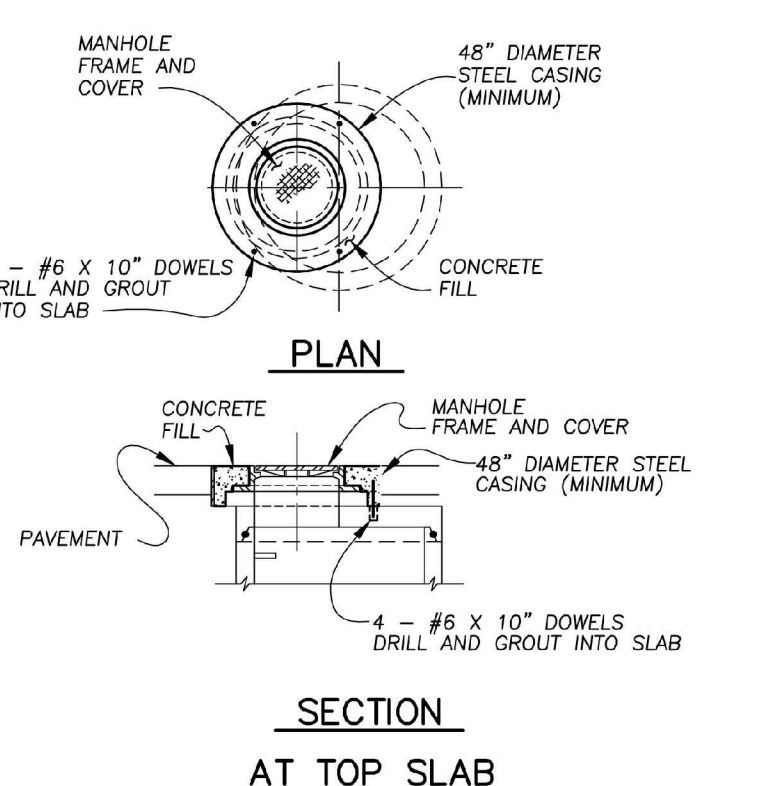
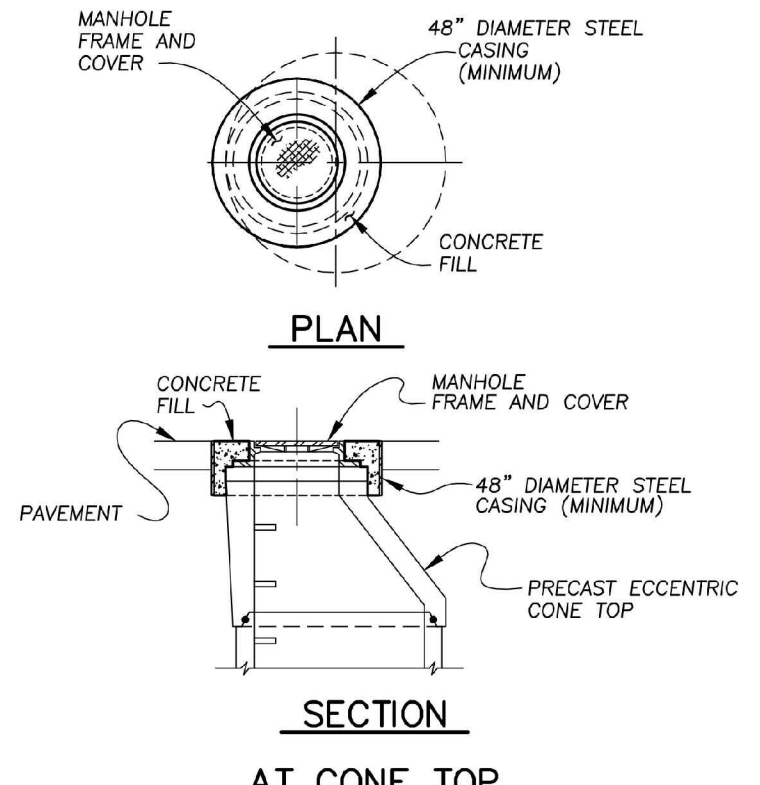


MARK	DIAMETER	MIN. T"	REINF. BAR SIZE
	4'-0"	6"	# 4
	5'-0"	8"	# 5
	6'-0"	8"	# 5
	7'-0"	8"	# 5
	8'-0"	10"	# 5
	10'-0"	10"	# 5

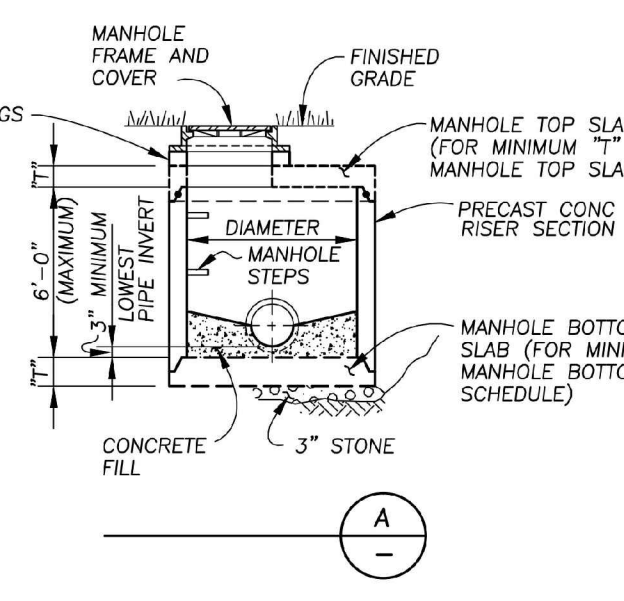
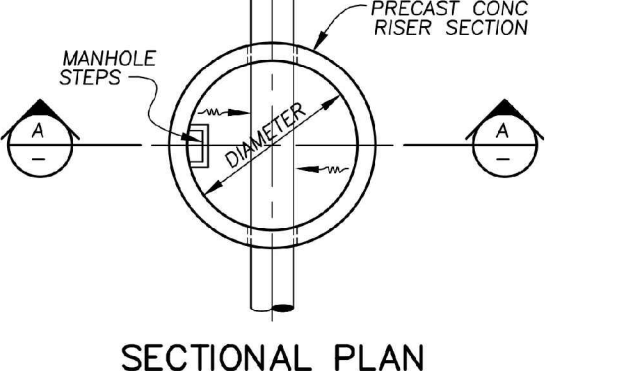
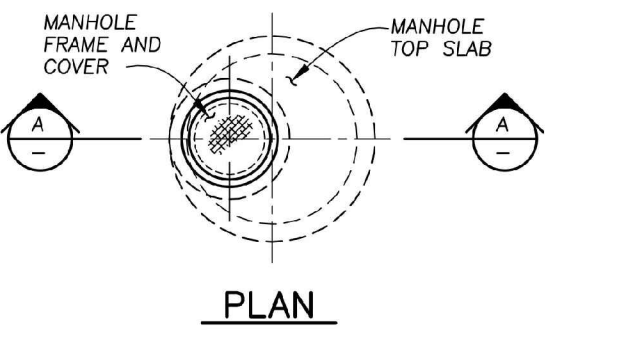
* IF DISTANCE FROM TOP OF FRAME TO TOP OF PIPE PENETRATION IS GREATER THAN 4'-4", A PRECAST ECCENTRIC CONE TOP MUST BE USED.



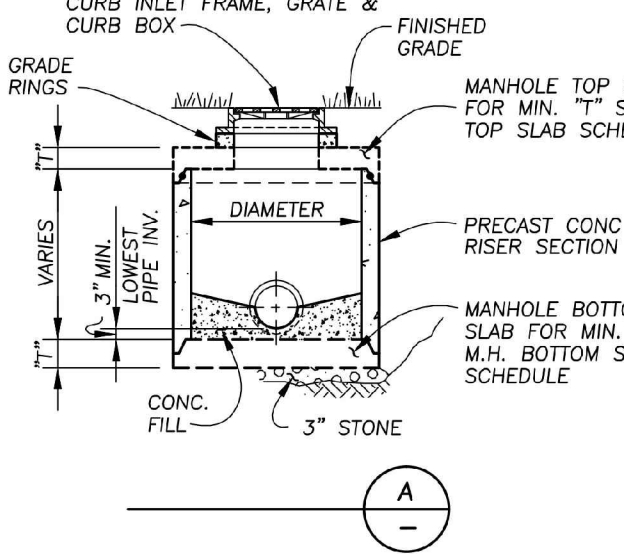
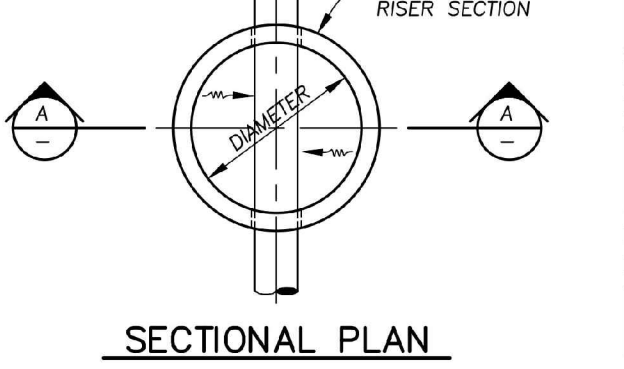
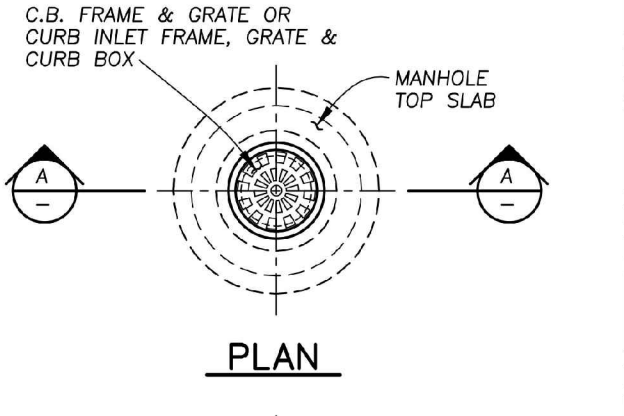
24" DIA REAR LAWN CATCH BASIN
1/4" = 1'-0"



MANHOLE FRAME ENCASUREMENT DETAILS
1/4" = 1'-0"



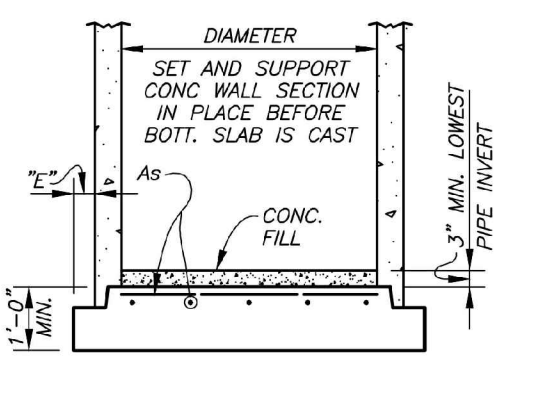
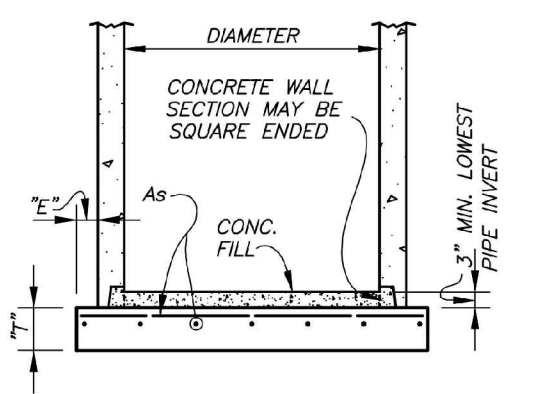
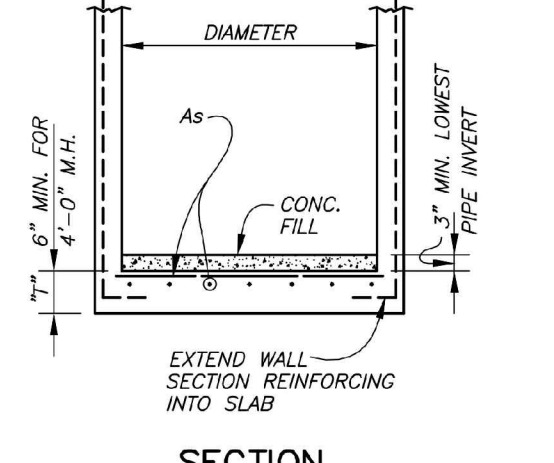
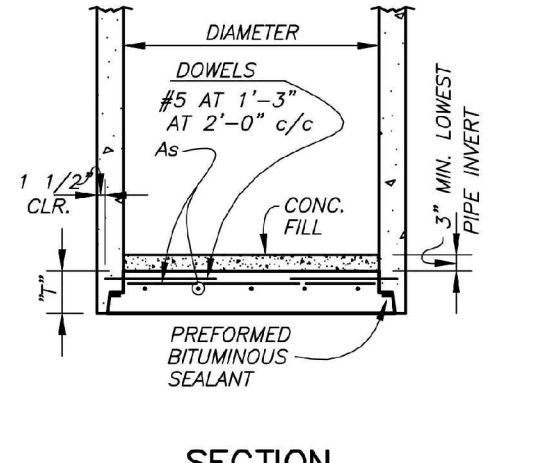
SHALLOW MANHOLE DETAILS
1/4" = 1'-0"



CATCH BASIN DETAILS
1/4" = 1'-0"

MARK	DIAM.	MIN. T"	MIN. E"	MIN. As (each way)
	4'-0"	8"	4"	0.12 SQ.IN./FT.
	5'-0"	8"	6"	0.12 SQ.IN./FT.
	6'-0"	8"	6"	0.17 SQ.IN./FT.
	7'-0"	10"	8"	0.17 SQ.IN./FT.
	8'-0"	10"	10"	0.21 SQ.IN./FT.
	10'-0"	10"	10"	0.21 SQ.IN./FT.

NOTE: PLACE BOTTOM SLAB STEEL REINFORCEMENT IN TOP OF SLAB WITH 1 1/2" CONCRETE COVER.



MANHOLE BOTTOM SLAB DETAILS
3/8" = 1'-0"

NOTES:
1. TOP ELEVATIONS NOTED ON PLANS FOR CATCH BASINS IN CURB IS TOP OF GRATE AT FACE OF CURB.
2. PROVIDE M.H. STEPS @ 16" c/c IN CATCH BASINS OVER 4' DEEP.

REVISED

PAVEMENT AND STORM SEWER STANDARD DETAILS
CITY OF PERRYSBURG, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF WATER POLLUTION CONTROL

RECORD CONSTRUCTION 10/28/25

REV. NO.	REVISION	DATE

TITLE: **PAVEMENT & DRAINAGE AS BUILT GENERAL NOTES AND DETAILS**

PROJECT: **FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO**

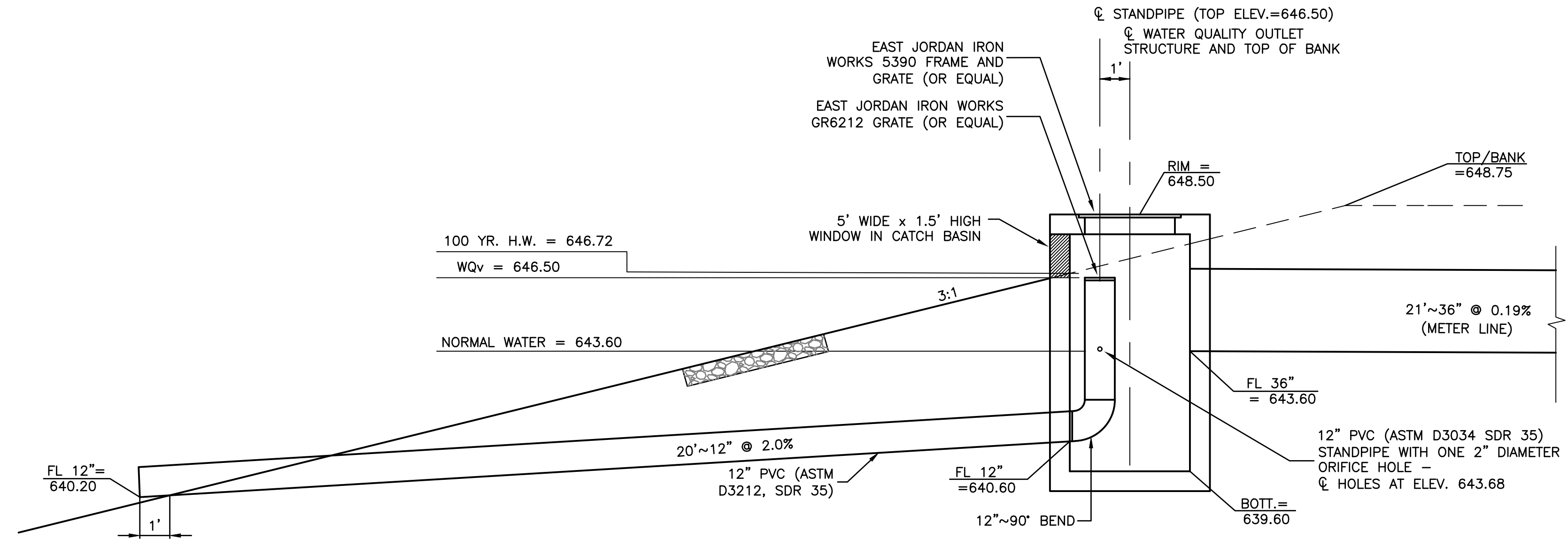
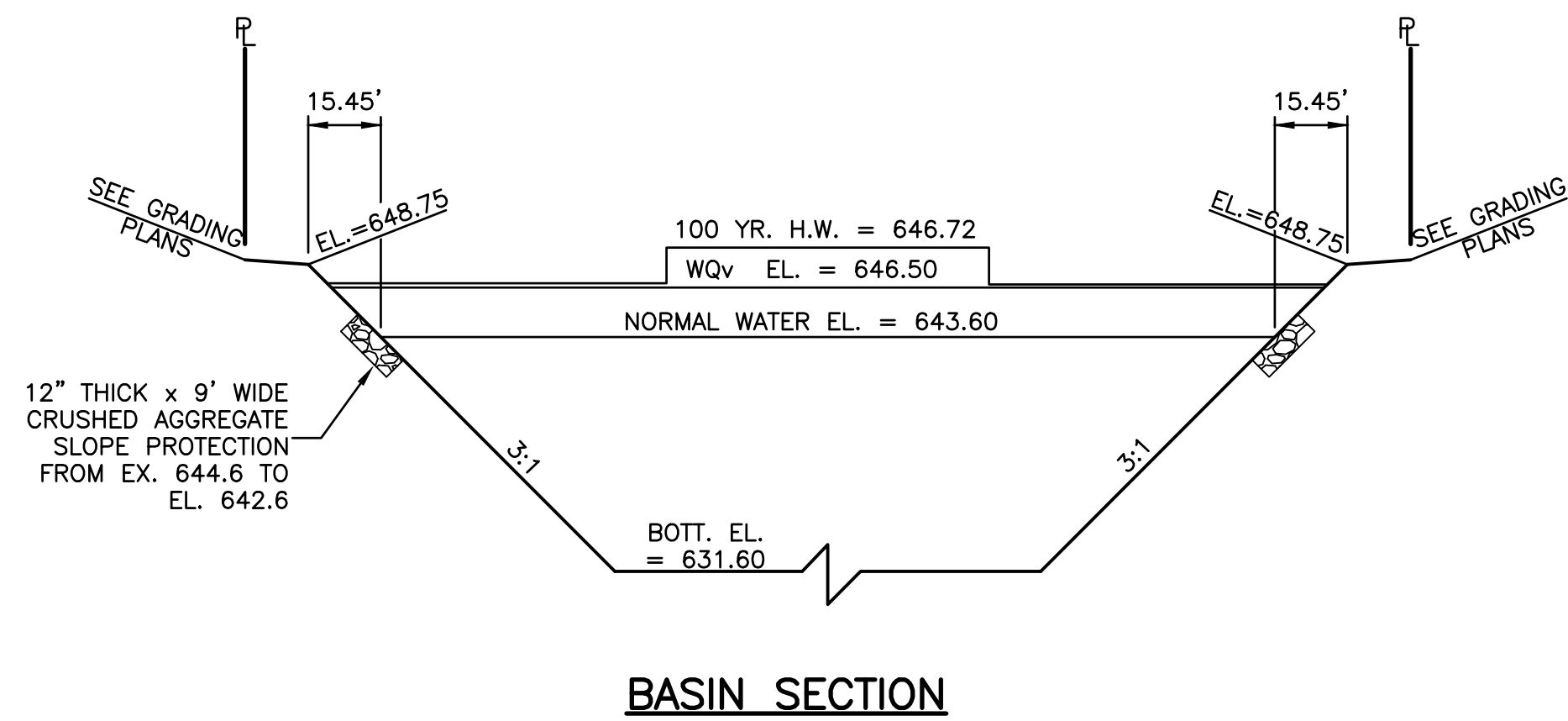
DATE	SCALE	DESIGNED	DRAWN

SHEET **5** OF **27**

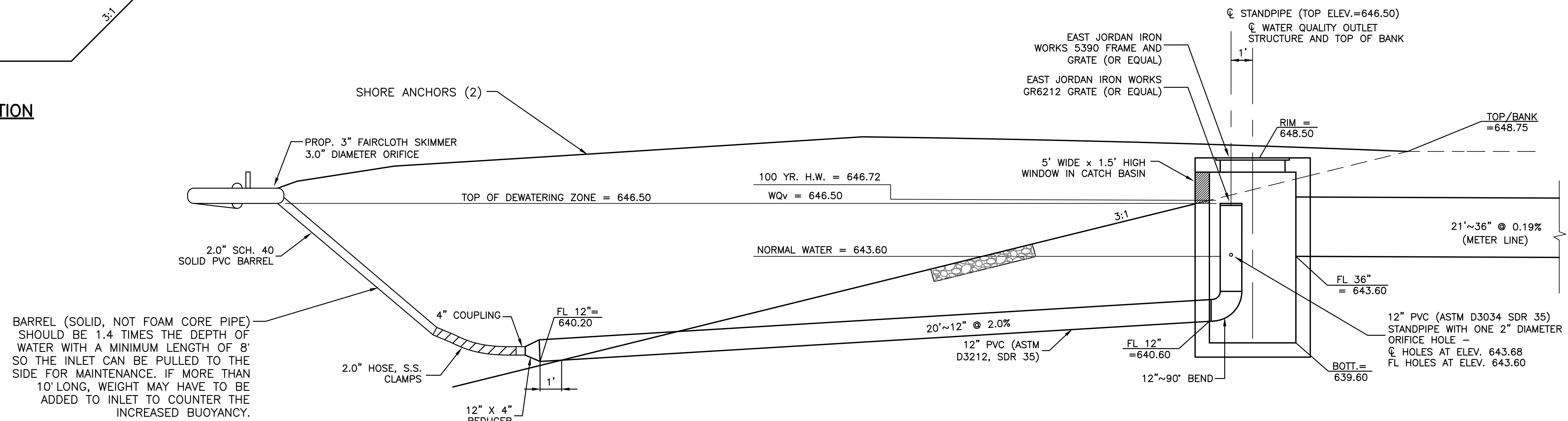
SUMMARY INFORMATION FOR STORM WATER QUALITY

CONTRIBUTING DRAINAGE AREA	CONTRIBUTING DISTURBED AREA (AC.)	SEDIMENT BASIN (DURING CONSTRUCTION)			PERMANENT STORMWATER FACILITY (POST CONSTRUCTION)		
		DEWATERING VOLUME (CU. FT.)	SEDIMENT STORAGE VOLUME (CU. FT.)	SKIMMER ORIFICE SIZE (INCHES)	WATER QUALITY VOLUME-WQv (CU. FT.)	DETENTION TIME (HOURS)	WQv ORIFICE SIZE (SQ. IN.)
CURRENT AREA = 10.74 AC	CURRENT AREA = 9.74 AC	REQUIRED VOLUME = 19,332	REQUIRED VOLUME = 9,740	3.0"	REQUIRED VOLUME = 12,663	51	3.12 (2.0" DIA. @ ELEVATION 643.68)
		PROVIDED VOLUME = 20,922	PROVIDED VOLUME = 24,857		PROVIDED VOLUME = 20,922		

* SEE SHEET 27 FOR AREAS



**PERMANENT STORMWATER FACILITY
OUTLET STRUCTURE DETAIL
ODOT 2-5 CATCH BASIN, MODIFIED**
NTS



**DURING CONSTRUCTION STORMWATER FACILITY
OUTLET STRUCTURE DETAIL
ODOT 2-5 CATCH BASIN, MODIFIED**
NTS

NOTE: THIS DETAIL SHALL BE USED DURING CONSTRUCTION OF THIS PLAT FOR ALL AREAS THAT WILL DRAIN DIRECTLY INTO THE POND UNTIL ALL LOTS ARE BUILT OUT AND STABILIZED.

RECORD CONSTRUCTION 10/28/25

REV. NO.	REVISION	DATE

TITLE: PAVEMENT & DRAINAGE AS BUILT OUTLET STRUCTURE DETAILS
PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED	
DATE	
SCALE	AS NOTED
DATE	11.3.2025
DESIGNED: BLW	DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW
PROJECT:	10-10141
DRAWING:	10-10141DPO0A1AB
SHEET	7 OF 27

BENCH MARK DATA

WOOD COUNTY BENCH MARK

MC0668 USGS SURVEY DISC IN CONCRETE MONUMENT SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE ROAD & FIVE POINT ROAD

ELEVATION 650.10

SITE BENCH MARK #82

RIM OF STORM MANHOLE @ STATION 29+96.77, 25.91' RT. FALLING WATERS EDGE

ELEVATION 649.20

SITE BENCH MARK #51

RIM OF STORM MANHOLE @ STATION 39+82.03, 24.17' LT. HOMESTEAD DRIVE

ELEVATION 649.64

SITE ZONING DATA

LOCATION: CITY OF PERRYSBURG
 ZONING CLASSIFICATION: R-4
 MINIMUM SETBACKS:
 FRONT - 25'
 SIDE - 5' MIN.
 REAR - 30'

SITE VOLUME TABLE (UNADJUSTED)

	CUT (C) (CU. YDS.)	FILL (F) (CU. YDS.)	NET (CU. YDS.)
ROADWAY	4,425	5,027	602 (F)
TOP SOIL	180	180	0 (-)
TOTALS	4,605	5,207	602 (F)

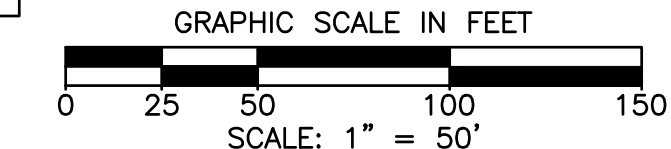
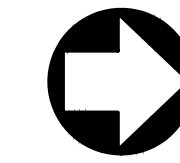
* TOPSOIL QUANTITIES ARE BASED ON A TOPSOIL THICKNESS OF 8".

SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE AS PER ODOT SPECIFICATION ITEM 659, USING SEEDING MIXTURE: 90% PERENNIAL RYEGRASS (LOLIUM PERENNE) 10% ALSIKE CLOVER (TRIFOLIUM HYBRIDUM). SEEDING AND MULCHING SHALL INCLUDE ALL PROPOSED RIGHTS OF WAY, REAR YARD SWALES, AND ALL DISTURBED AREAS WITHIN EXISTING CITY RIGHTS OF WAY.

EASEMENT ABBREVIATIONS

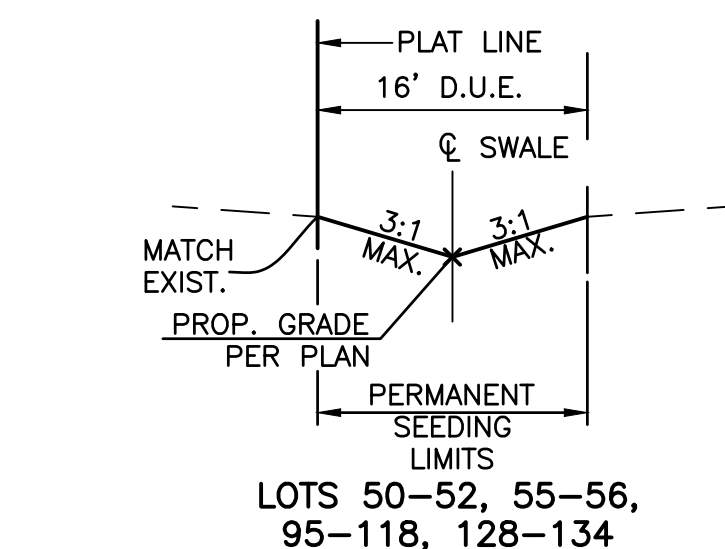
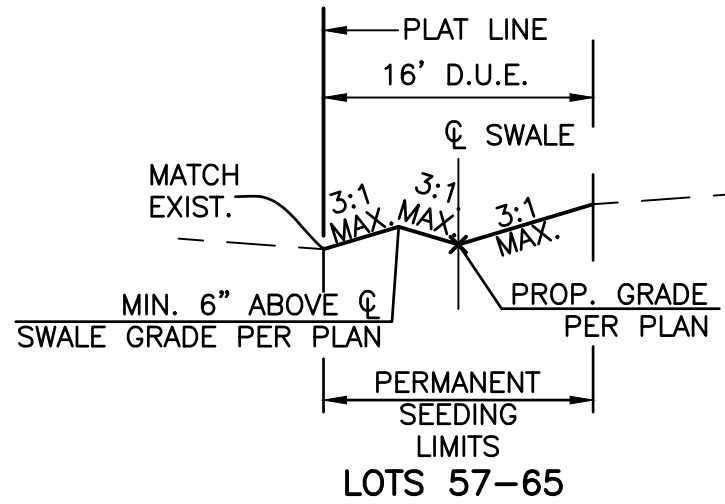
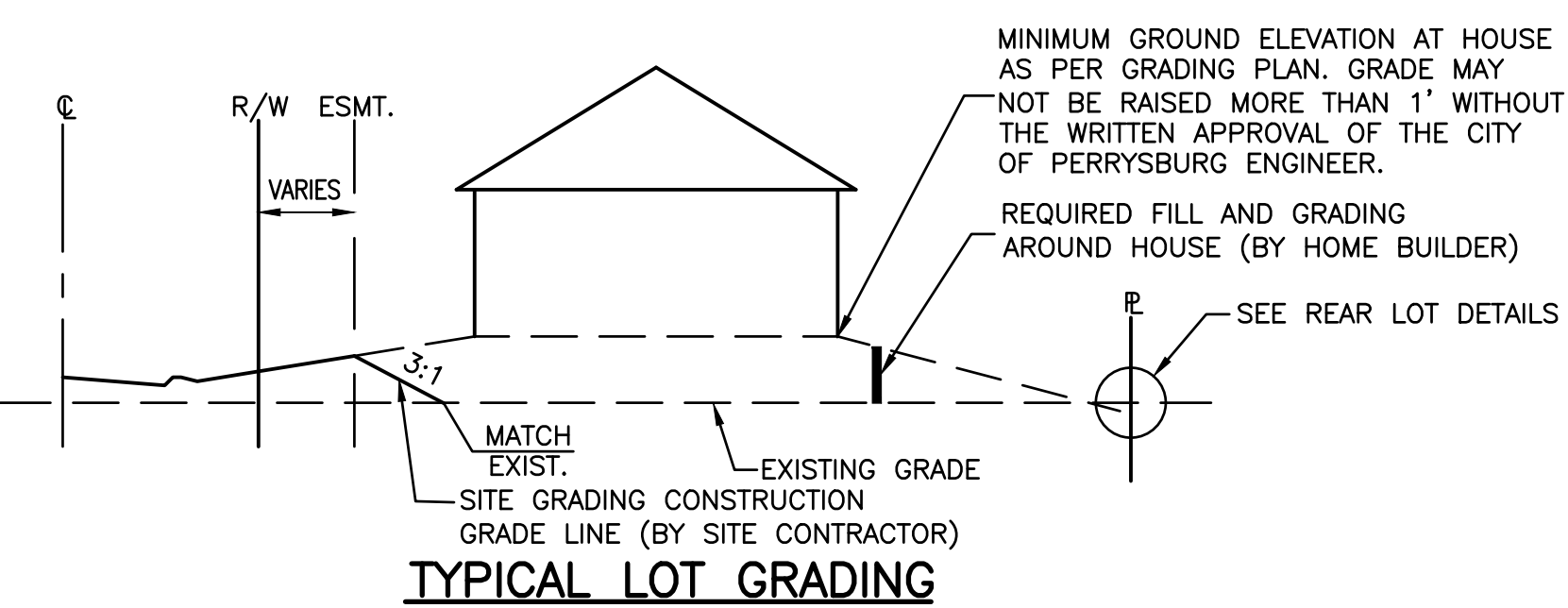
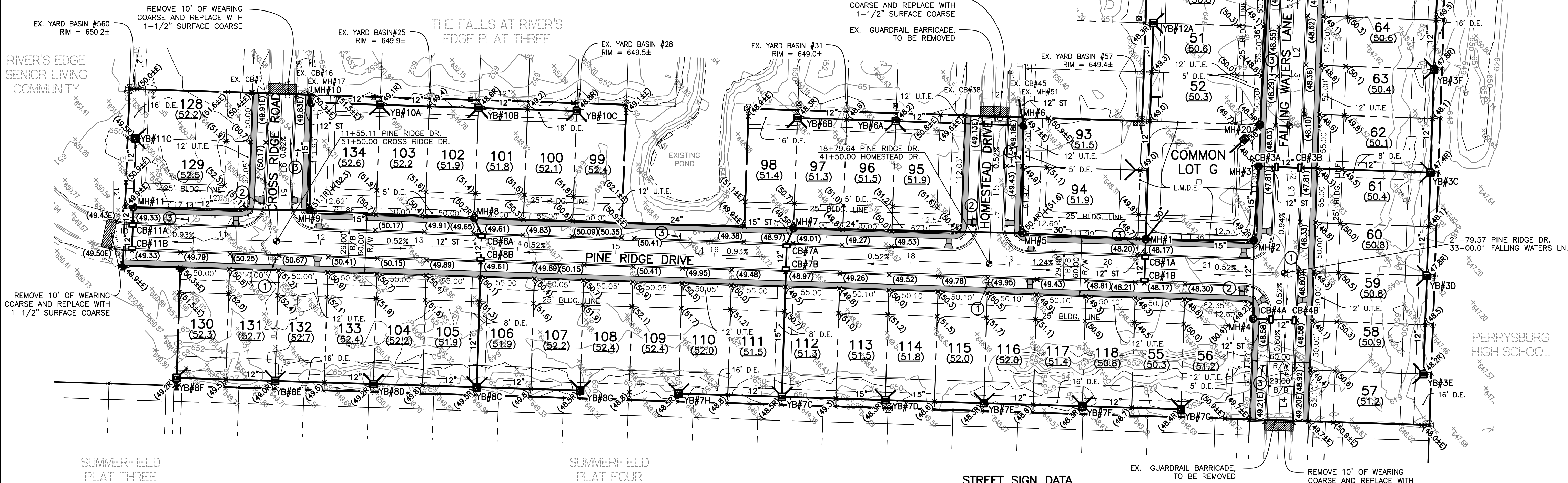
D.E. DRAINAGE EASEMENT
 U.T.E. UTILITY & TOLEDO EDISON EASEMENT
 L.M.D.E. LAKE MAINTENANCE & DRAINAGE EASEMENT



GRADING NOTE:

CONTRACTOR SHALL GRADE SITE TO PROPOSED CATCH BASINS AS PER GRADING PLAN TO ENSURE DRAINAGE REMAINS ON SITE. NO FLOW FROM NEIGHBORING SUBDIVISIONS SHALL BE PERMITTED TO ENTER THE NEWLY CONSTRUCTED STORM DRAINS ON THIS PLAT. THESE INCLUDE SUMMERFIELD PLATS 3, 4, AND 5, RIVERS EDGE SENIOR LIVING, RIVERS EDGE PLATS 2 AND 3, AND THE PERRYSBURG HIGH SCHOOL PROPERTY.

LINE	BEARING	DISTANCE
L1	S 01°48'54" W	1179.57'
L2	N 87°57'49" W	150.01'
L3	N 87°55'42" W	150.00'
L4	S 87°58'46" E	149.76'
L5	N 87°57'49" W	150.00'
L6	N 87°49'33" W	150.00'



STREET SIGN DATA

LOCATION	STATION	SIDE	PROPOSED ① "STREET NAME" SIGN PERRYSBURG STANDARD	PROPOSED ② R1-1-30 STOP (30" X 30")	PROPOSED ③ R7-1 NO PARKING ANYTIME W/ 2 WAY ARROW (12" X 18")
PINE RIDGE DRIVE	10+55	LT.			1 (1.50 SF)
PINE RIDGE DRIVE	11+55.11	RT.	CROSS RIDGE DRIVE		
PINE RIDGE DRIVE	15+70	LT.			1 (1.50 SF)
PINE RIDGE DRIVE	18+79.64	RT.	HOMESTEAD DRIVE		
PINE RIDGE DRIVE	20+30	LT.			1 (1.50 SF)
PINE RIDGE DRIVE	21+42	RT.		1 (6.25 SF)	
CROSS RIDGE DRIVE	50+56	LT.			1 (1.50 SF)
CROSS RIDGE DRIVE	51+11	RT.		1 (6.25 SF)	
HOMESTEAD DRIVE	40+65	LT.			1 (1.50 SF)
HOMESTEAD DRIVE	41+12	RT.		1 (6.25 SF)	
FALLING WATERS LANE	31+00	RT.			1 (1.50 SF)
FALLING WATERS LANE	33+00.01	LT.			1 (1.50 SF)
FALLING WATERS LANE	33+75	RT.	FALLING WATERS LANE		
TOTAL				3 (18.75 SF)	7 (10.50 SF)

LEGEND

- EXISTING GROUND ELEVATIONS +000.00
- EXISTING CONTOURS 000
- PROPOSED ELEVATIONS (00.0)
- PROPOSED ELEVATIONS AT HOUSE (00.0)
- PROPOSED RIM ELEVATION (00.0R)
- PROPOSED = EXISTING (00.0E)
- ADD 600.00 TO ALL PROPOSED SPOT ELEVATIONS.
- ALL PAVEMENT GRADES ARE TOP OF CURB.
- = IRON PIPE (BY SURVEYOR)
- ⊕ = MONUMENT ASSEMBLY (ODOT RM-1.1) BY CONTRACTOR
- ⊗ = MONUMENT ASSEMBLY (WOOD CO. TYPE A) BY SURVEYOR
- ⊗ = EXISTING MONUMENT ASSEMBLY (WOOD CO. TYPE A)
- = 5' CONCRETE WALK & RAMPS BY OTHERS
- Ⓢ = STREET SIGN LOCATION. SEE THIS SHEET FOR STREET SIGN DATA TABLE.

RECORD CONSTRUCTION 10/28/25

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig

FellerFinch & Associates, Inc.
 Engineers • Surveyors

1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

OH0811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

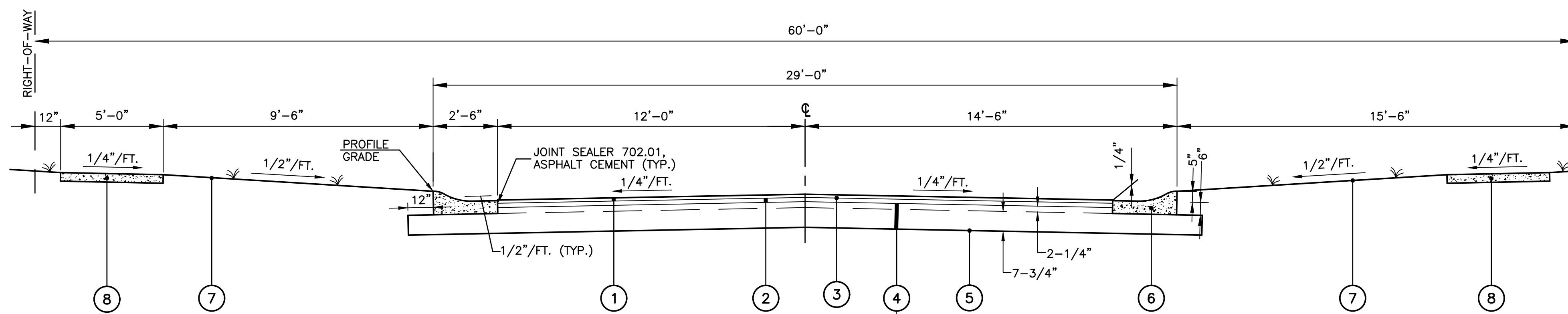
REV. NO.	REVISION	DATE

PAVEMENT & DRAINAGE AS BUILT
SITE GRADING PLAN & STREET SIGN DATA

PROJECT: FALLS AT RIVERS EDGE PLAT 4
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

DATE: 11.3.2025
 SCALE: AS NOTED
 DESIGNED: BLW DRAWN: KSG
 CHECKED: BLW REVIEWED: BLW
 PROJECT: 10-10141
 DRAWING: 10-10141DPO01AB

SHEET 8 OF 27



PINE RIDGE DR.	STA. 9+89.6± TO 11+15.86	= 126.26 LIN. FT.
	STA 11+94.86 TO 18+40.29	= 645.43 LIN. FT.
	STA 19+19.29 TO 21+39.93	= 220.64 LIN. FT.
FALLING WATERS LN.	STA. 29+98.5± TO 32+60.68	= 262.18 LIN. FT.
	STA. 33+39.65 TO 34+51.8±	= 112.15 LIN. FT.
HOMESTEAD DR.	STA. 40+01.2± TO 41+10.35	= 109.15 LIN. FT.
CROSS RIDGE DR.	STA. 50+00.6± TO 51+10.25	= 109.65 LIN. FT.

TOTAL = 1585.46 LIN. FT.
TYPICAL ROAD SECTION
 N.T.S.

TYPICAL SECTION LEGEND

- ① ITEM 448 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (449), PG 64-22
- ② ITEM 448 2-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2 (449), PG 64-22
- ③ ITEM 407 TACK COAT @ 0.055 GAL./SQ. YD.
- ④ ITEM 304 AGGREGATE BASE (2 COURSES)
- ⑤ ITEM 204 SUBGRADE COMPACTION
- ⑥ ITEM 609 MOUNTABLE CURB AND GUTTER, WOOD CO. TYPE F
- ⑦ ITEM 659 SEEDING AND MULCHING; COMMERCIAL FERTILIZER (20 LBS. PER 1000 SQ. FT.)
- ⑧ ITEM 608 4" CONCRETE WALK, 6" AT DRIVES (BY OTHERS)

UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig

 OH0811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

Feller Finch & Associates, Inc.
 Engineers • Surveyors
 1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

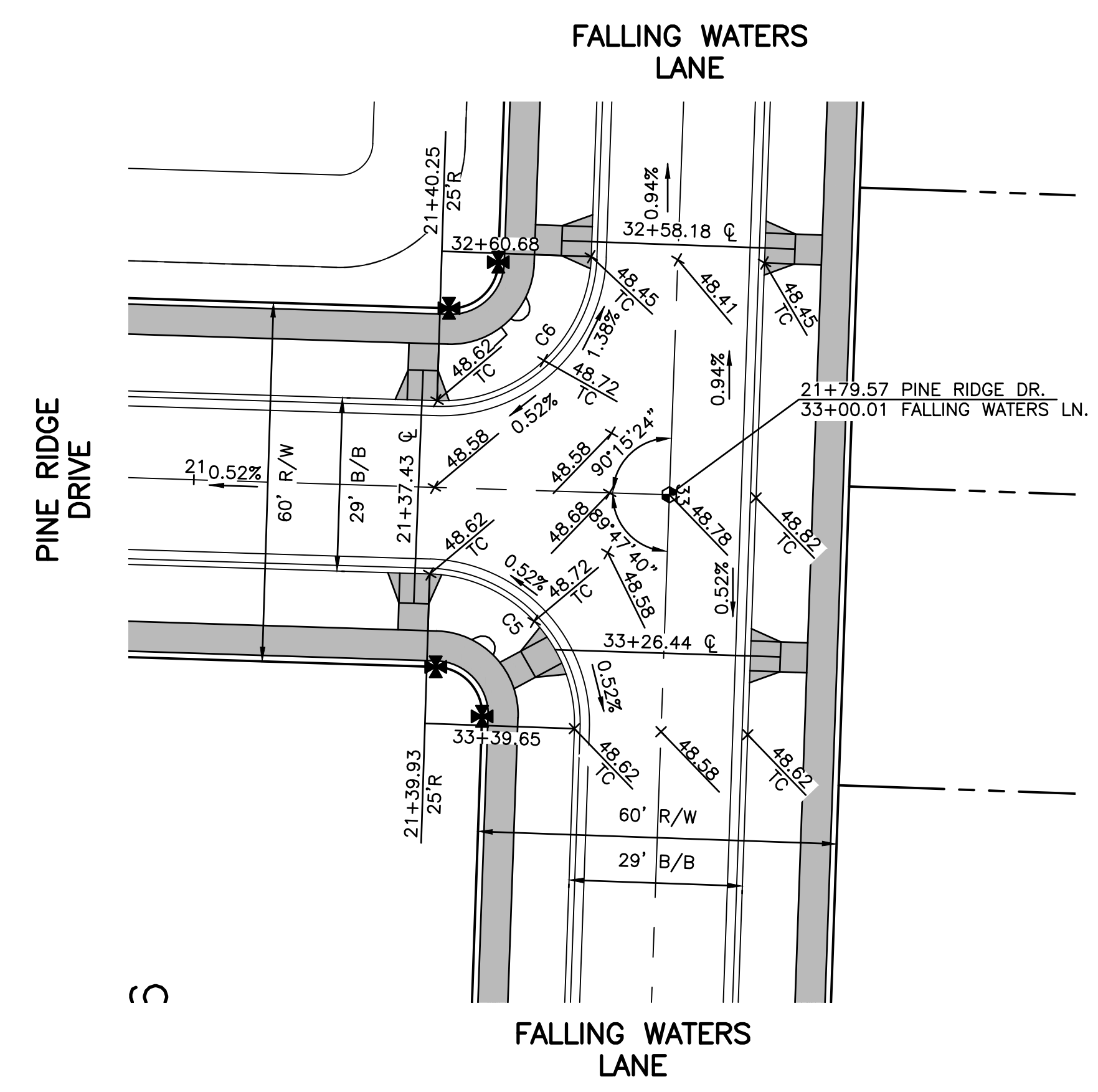
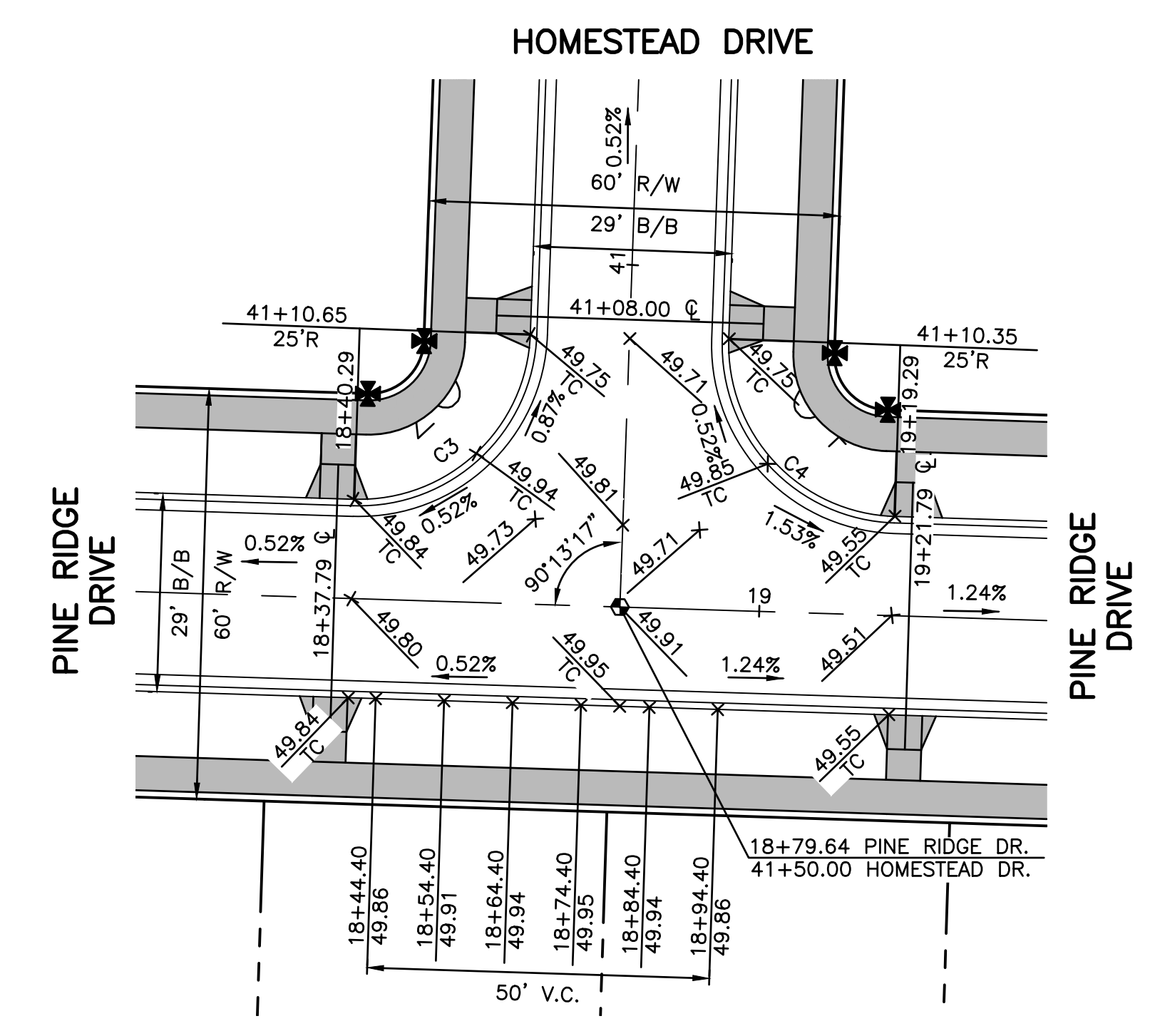
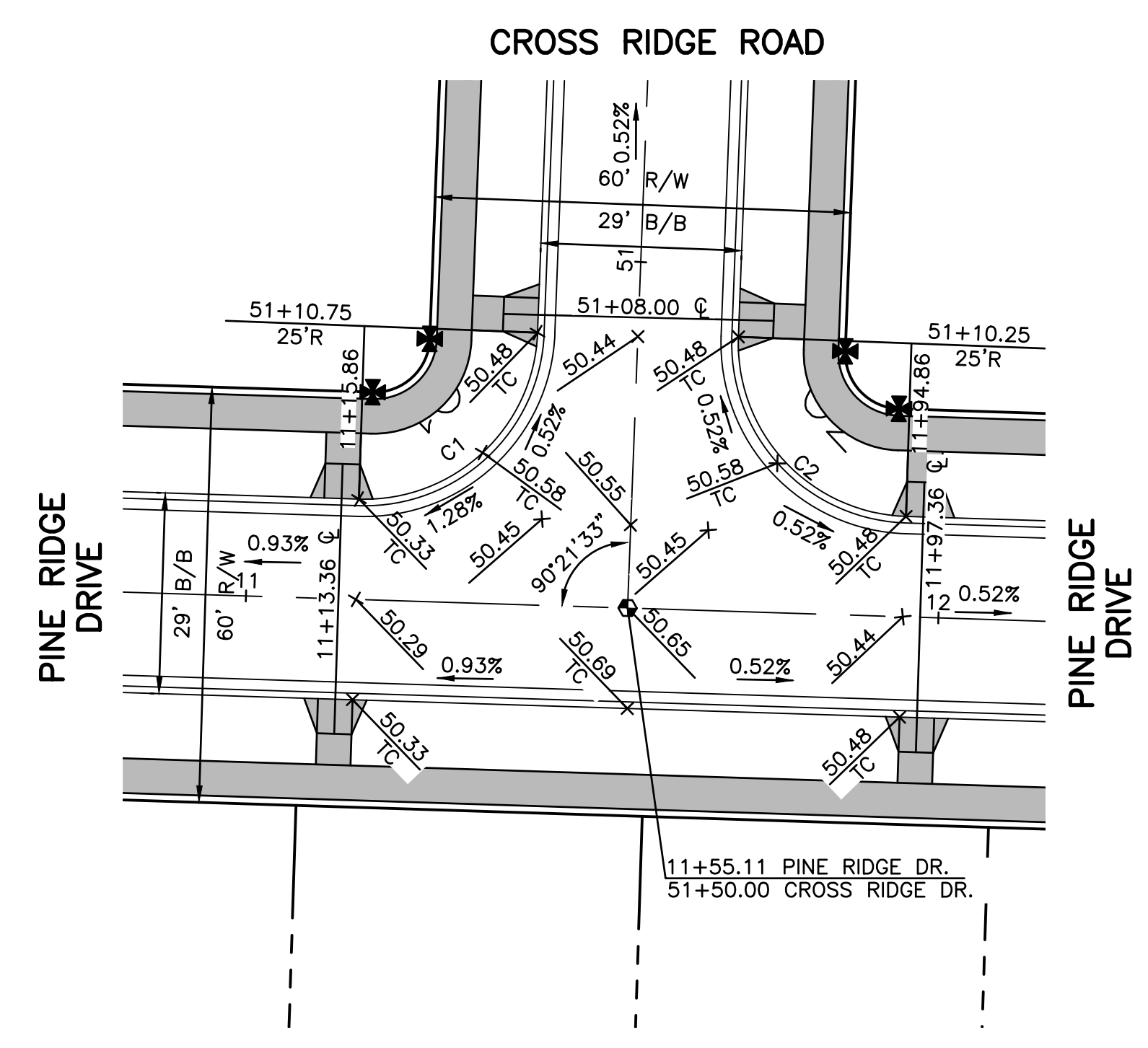
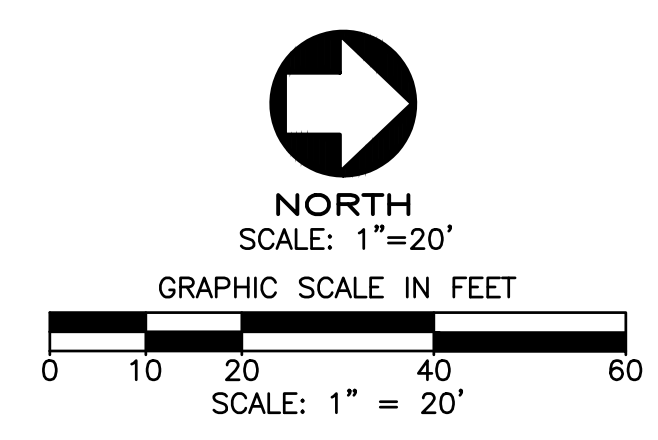
REV. NO.	REVISION	DATE

TITLE: PAVEMENT & DRAINAGE AS BUILT
 TYPICAL SECTION
 PROJECT: FALLS AT RIVERS EDGE PLAT 4
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED	
DATE	
SCALE	AS NOTED
DATE	11.3.2025
DESIGNED: BLW	DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW
PROJECT:	10-10141
DRAWING:	10-10141DPO0A1AB
SHEET	9 OF 27

RECORD CONSTRUCTION 10/28/25

P:\Projects\10E10141-The Falls at Rivers Edge-Perrysburg Ohio-Preliminary\DWG\10-10141DPO0A1AB.dwg, 9, 11/3/2025 12:01:35 PM, rpwilicki



CURVE	ARC LENGTH	RADIUS	CURVE DATA		
			CENTRAL ANGLE	CHORD BEARING	CHORD LENGTH
C1	39.11'	25.00'	89°38'27"	S 43°00'19" E	35.24'
C2	39.43'	25.00'	90°21'33"	S 46°59'41" W	35.47'
C3	39.17'	25.00'	89°46'43"	S 43°04'27" E	35.29'
C4	39.37'	25.00'	90°13'17"	N 46°55'33" E	35.42'
C5	39.36'	25.00'	90°12'20"	S 46°55'04" W	35.42'
C6	39.16'	25.00'	89°44'36"	S 43°03'24" E	35.28'

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

HO811.org
Before You Dig
OH811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

REV. NO.	REVISION	DATE

TITLE: PAVEMENT & DRAINAGE AS BUILT INTERSECTION DETAILS

PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

© 2024 FELLER FINCH & ASSOC., INC.

SIGNED: _____

DATE: _____

SCALE: AS NOTED

DATE: 11.3.2025

DESIGNED: BLW DRAWN: KSG

CHECKED: BLW REVIEWED: BLW

PROJECT: 10-10141

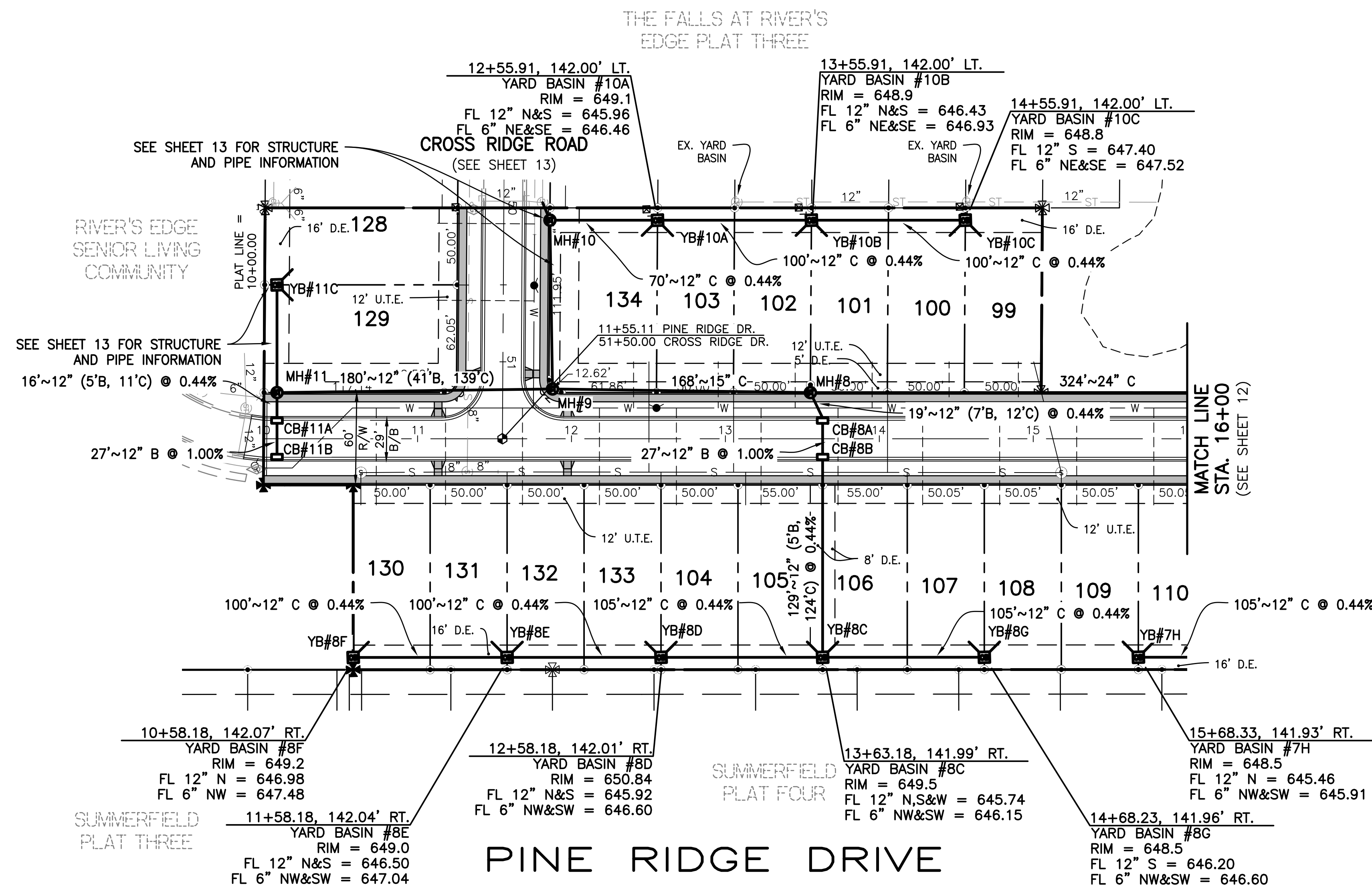
DRAWING: 10-10141DPO0A1AB

SHEET 10 OF 27

RECORD CONSTRUCTION 10/28/25

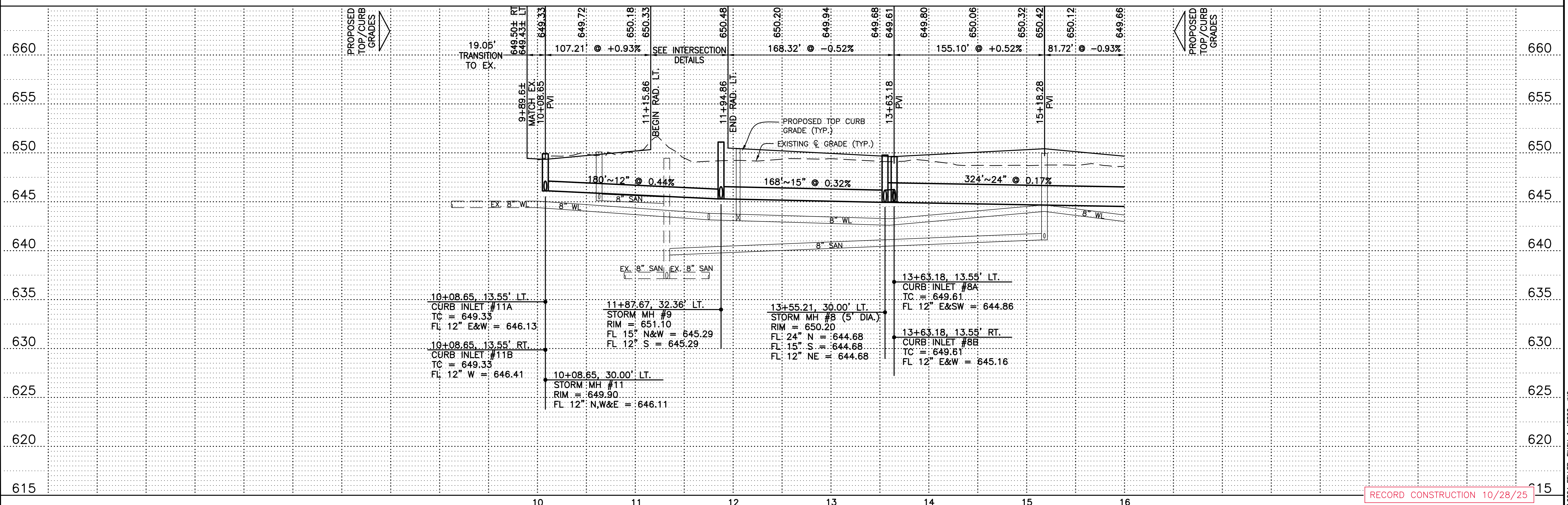
STORM SERVICE TAP DATA

LOT 99 0+00, (14+65.85, 131.94' LT.) 14'~6" C @ 1.0% FL 6" = 647.46	LOT 110 0+00, (15+78.33, 131.93' RT.) 14'~6" C @ 1.0% FL 6" = 646.00
LOT 100 0+00, (14+45.85, 132.06' LT.) 14'~6" C @ 1.0% FL 6" = 647.46	LOT 130 0+00, (10+68.18, 132.07' RT.) 14'~6" C @ 1.0% FL 6" = 647.62
LOT 101 0+00, (13+65.85, 131.94' LT.) 14'~6" C @ 1.0% FL 6" = 647.02	LOT 131 0+00, (11+48.18, 132.04' RT.) 14'~6" C @ 1.0% FL 6" = 647.18
LOT 102 0+00, (13+45.85, 132.06' LT.) 14'~6" C @ 1.0% FL 6" = 647.02	LOT 132 0+00, (11+68.18, 132.04' RT.) 14'~6" C @ 1.0% FL 6" = 647.18
LOT 103 0+00, (12+65.85, 131.94' LT.) 14'~6" C @ 1.0% FL 6" = 646.58	LOT 133 0+00, (12+48.18, 132.02' RT.) 14'~6" C @ 1.0% FL 6" = 646.74
LOT 104 0+00, (12+68.18, 132.01' RT.) 14'~6" C @ 1.0% FL 6" = 646.74	LOT 134 0+00, (12+45.85, 132.06' LT.) 14'~6" C @ 1.0% FL 6" = 646.58
LOT 105 0+00, (13+53.18, 131.99' RT.) 14'~6" C @ 1.0% FL 6" = 646.28	
LOT 106 0+00, (13+73.18, 131.98' RT.) 14'~6" C @ 1.0% FL 6" = 646.28	
LOT 107 0+00, (14+58.23, 131.96' RT.) 14'~6" C @ 1.0% FL 6" = 646.74	
LOT 108 0+00, (14+78.23, 131.95' RT.) 14'~6" C @ 1.0% FL 6" = 646.74	
LOT 109 0+00, (15+58.33, 131.93' RT.) 14'~6" C @ 1.0% FL 6" = 646.00	



NORTH
SCALE: 1"=50'
GRAPHIC SCALE IN FEET
0 25 50 100 150
SCALE: 1" = 50'

EASEMENT ABBREVIATIONS
D.E.....DRAINAGE EASEMENT
U.T.E.....UTILITY & TOLEDO EDISON EASEMENT



UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

HOH811.org
Before You Dig
OH811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: PAVEMENT & DRAINAGE AS BUILT PLAN AND PROFILE

PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYBURG, WOOD COUNTY, OHIO

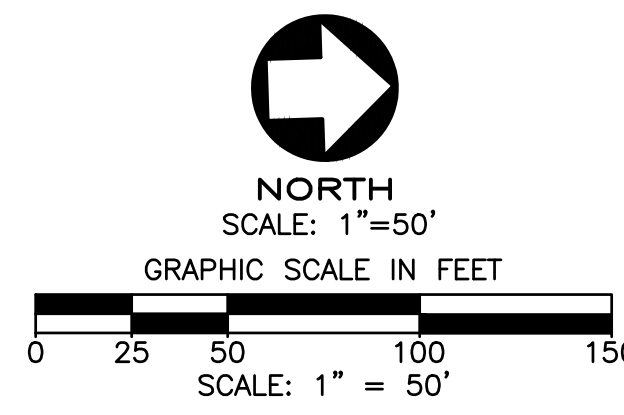
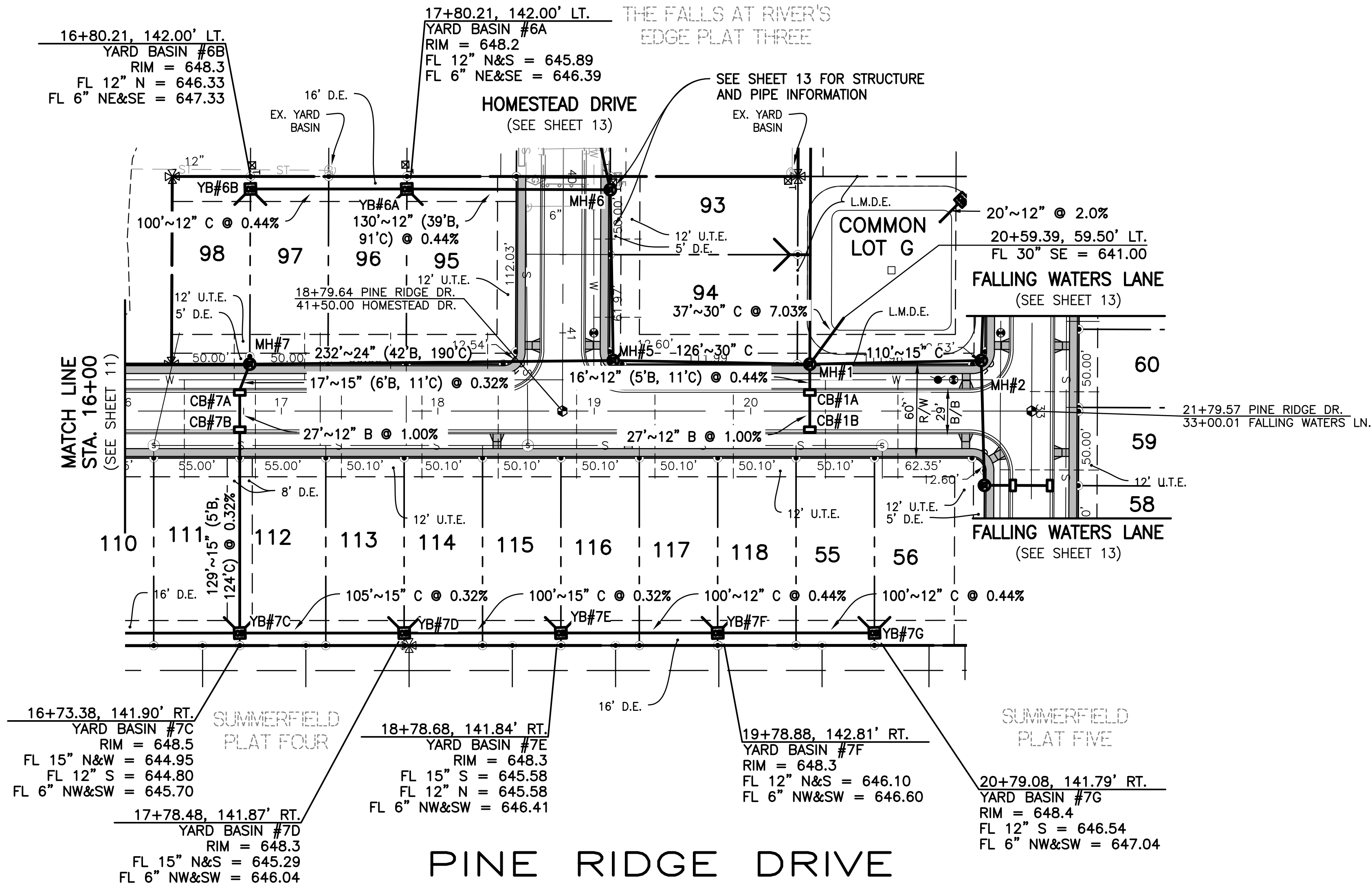
SIGNED:	
DATE:	AS NOTED
SCALE:	11.3.2025
DESIGNED:	BLW
DRAWN:	KSG
CHECKED:	BLW
REVIEWED:	BLW
PROJECT:	10-10141
DRAWING:	10-10141DPO01AB

RECORD CONSTRUCTION 10/28/25

SHEET 11 OF 27

STORM SERVICE TAP DATA

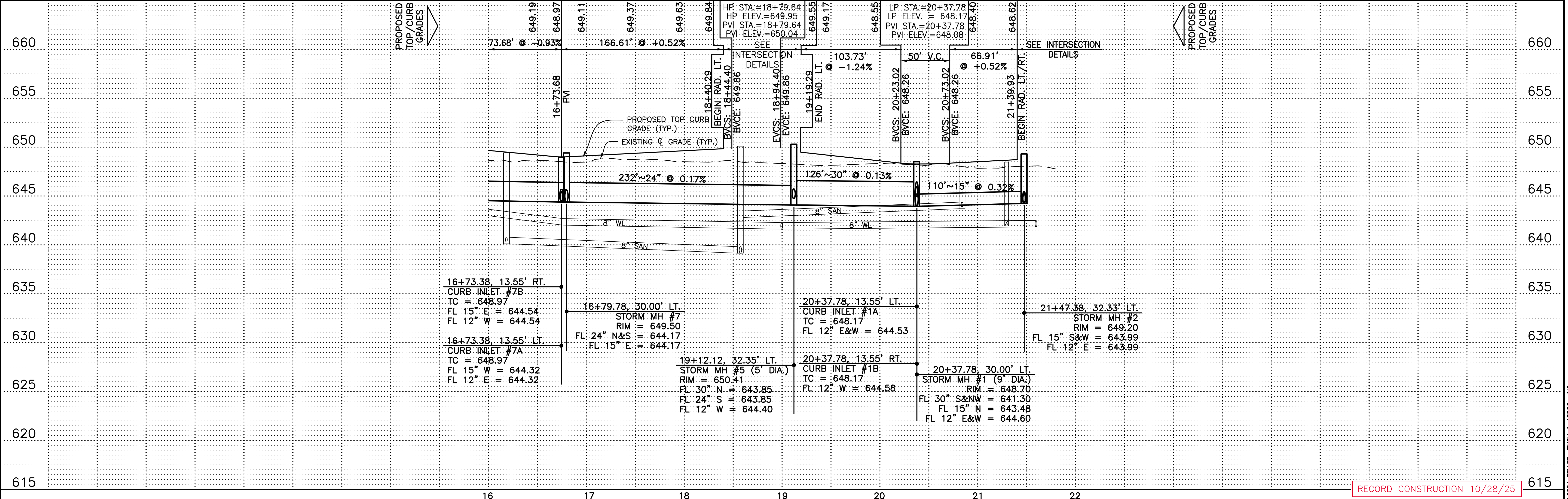
<p>LOT 55 0+00, (20+69.08, 131.79' RT.) 14'-6" C @ 1.0% FL 6" = 647.08</p> <p>LOT 56 0+00, (20+89.08, 131.78' RT.) 14'-6" C @ 1.0% FL 6" = 647.08</p> <p>LOT 95 0+00, (17+90.17, 131.96' LT.) 14'-6" C @ 1.0% FL 6" = 646.53</p> <p>LOT 96 0+00, (17+70.17, 132.04' LT.) 14'-6" C @ 1.0% FL 6" = 646.53</p> <p>LOT 97 0+00, (16+90.17, 131.96' LT.) 14'-6" C @ 1.0% FL 6" = 646.97</p> <p>LOT 98 0+00, (16+70.17, 132.04' LT.) 14'-6" C @ 1.0% FL 6" = 646.97</p> <p>LOT 111 0+00, (16+63.38, 131.90' RT.) 14'-6" C @ 1.0% FL 6" = 645.79</p> <p>LOT 112 0+00, (16+83.38, 131.90' RT.) 14'-6" C @ 1.0% FL 6" = 645.79</p> <p>LOT 113 0+00, (17+68.48, 131.87' RT.) 14'-6" C @ 1.0% FL 6" = 646.13</p> <p>LOT 114 0+00, (17+88.48, 131.87' RT.) 14'-6" C @ 1.0% FL 6" = 646.13</p>	<p>LOT 115 0+00, (18+68.68, 131.85' RT.) 14'-6" C @ 1.0% FL 6" = 646.45</p> <p>LOT 116 0+00, (18+88.68, 131.84' RT.) 14'-6" C @ 1.0% FL 6" = 646.45</p> <p>LOT 117 0+00, (19+68.88, 131.82' RT.) 14'-6" C @ 1.0% FL 6" = 646.64</p> <p>LOT 118 0+00, (19+88.88, 131.81' RT.) 14'-6" C @ 1.0% FL 6" = 646.64</p>
---	---



EASEMENT ABBREVIATIONS

D.E.DRAINAGE EASEMENT
U.T.E.UTILITY & TOLEDO EDISON EASEMENT
L.M.D.E.LAKE MAINTENANCE & DRAINAGE EASEMENT

- MANHOLE NOTES:**
1. ALL STORM MANHOLES SHALL BE PER THE DETAILS ON SHEET 5.
 2. THE DIAMETER ON THE MANHOLES SHALL BE AS INDICATED IN THE PROFILE BELOW.
 3. THE FLAT SLAB TOP OF THE MANHOLES SHALL BE ORIENTED TO PLACE THE LID AWAY FROM THE STREET CENTERLINE & OUT OF THE PROPOSED SIDEWALK.



UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

HOH0811.org
Before You Dig

1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

PAVEMENT & DRAINAGE AS BUILT PLAN AND PROFILE

PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYBURG, WOOD COUNTY, OHIO

SIGNED

DATE: AS NOTED

SCALE: 11.3.2025

DESIGNED: BLW **DRAWN:** KSG

CHECKED: BLW **REVIEWED:** BLW

PROJECT: 10-10141

DRAWING: 10-10141DPO01AB

RECORD CONSTRUCTION 10/28/25

STORM SERVICE TAP DATA

LOT 50
0+00, (30+40.52, 132.04' RT.)
14'~6" C @ 1.0%
FL 6" = 646.21

LOT 52
1+45, (31+25.53, 132.00' RT.)
10'~6" C @ 1.0%
FL 6" = 645.59

LOT 58
0+00, (33+87.58, 134.85' LT.)
14'~6" C @ 1.0%
FL 6" = 646.65

LOT 60
0+00, (32+87.56, 134.91' LT.)
14'~6" C @ 1.0%
FL 6" = 646.21

LOT 62
0+00, (31+82.46, 134.75' LT.)
14'~6" C @ 1.0%
FL 6" = 645.75

LOT 93 & 94
0+70, (40+49.44, 145.02' LT.)
12" ON 6" TEE
13'~6" C @ 1.0%
6" ON 6" DBL WYE
(2) 14'~6" C @ 1.0%
FL 6" = 645.29

LOT 128
0+00, (50+40.86, 137.15' RT.)
14'~6" C @ 1.0%
FL 6" = 647.00

LOT 129
0+00, (50+60.86, 137.03' RT.)
14'~6" C @ 1.0%
FL 6" = 647.00

LOT 51
0+00, (30+60.52, 131.96' RT.)
14'~6" C @ 1.0%
FL 6" = 646.21

LOT 57
0+00, (34+07.58, 134.85' LT.)
14'~6" C @ 1.0%
FL 6" = 646.65

LOT 59
0+00, (33+07.68, 134.92' LT.)
14'~6" C @ 1.0%
FL 6" = 646.21

LOT 61
0+00, (32+02.46, 134.76' LT.)
14'~6" C @ 1.0%
FL 6" = 645.75

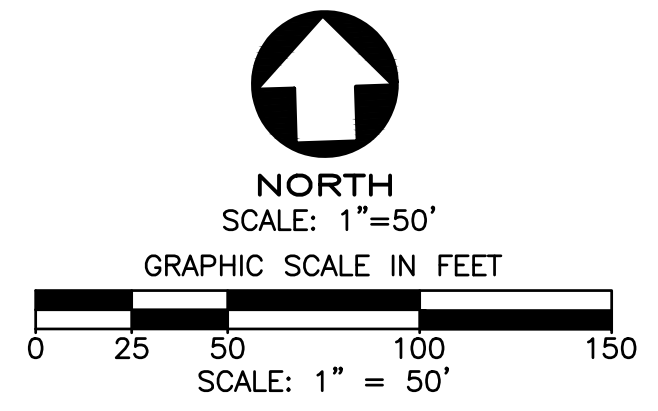
LOT 63
0+00, (30+97.54, 134.70' LT.)
14'~6" C @ 1.0%
FL 6" = 646.21

LOT 64
0+00, (30+77.54, 134.70' LT.)
14'~6" C @ 1.0%
FL 6" = 646.21

LOT 65
0+00, (30+03.1±, 132.3± LT.)
EX. 20'~6" C @ 1.0%
EX. FL 6" = 647.7±

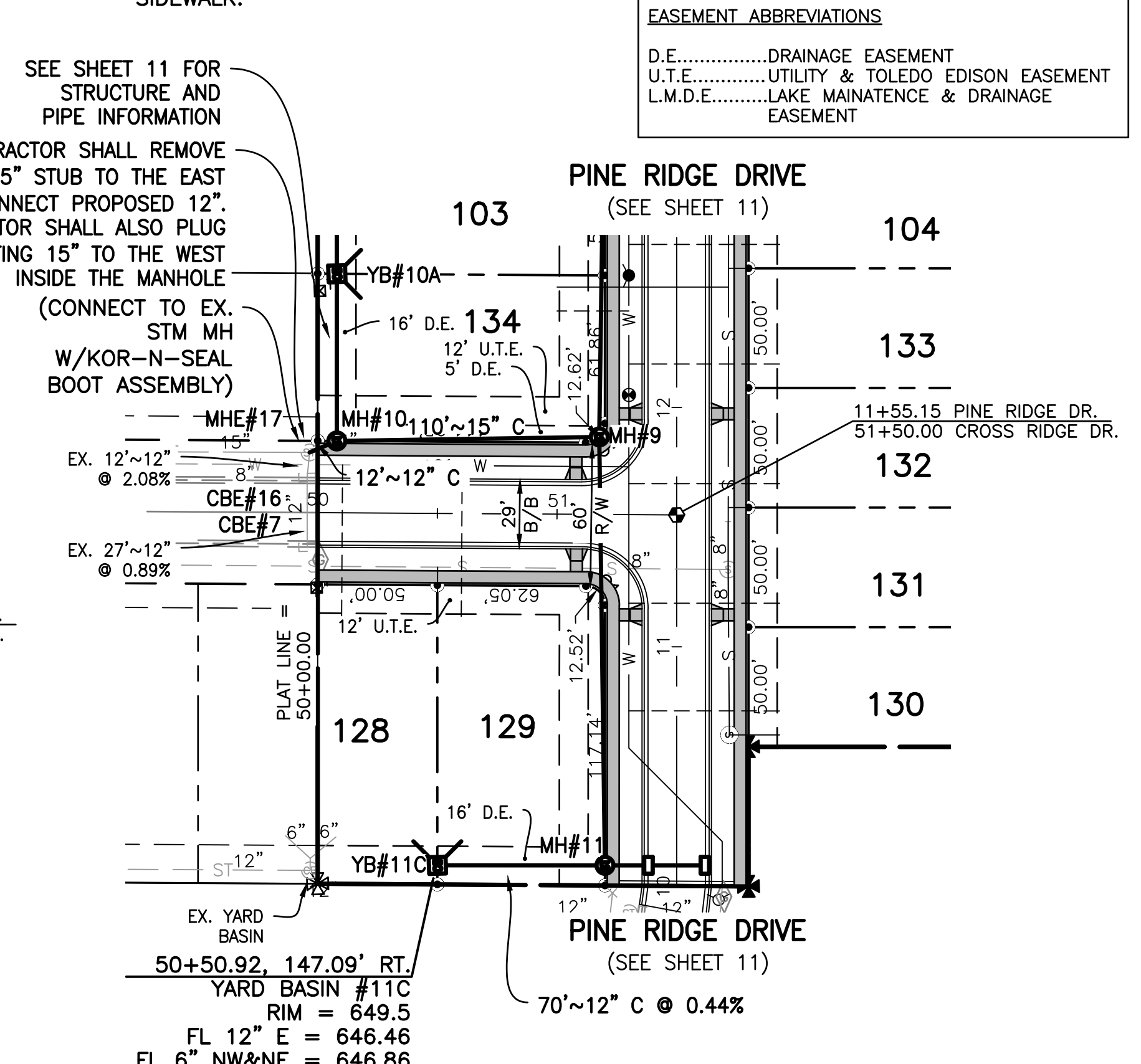
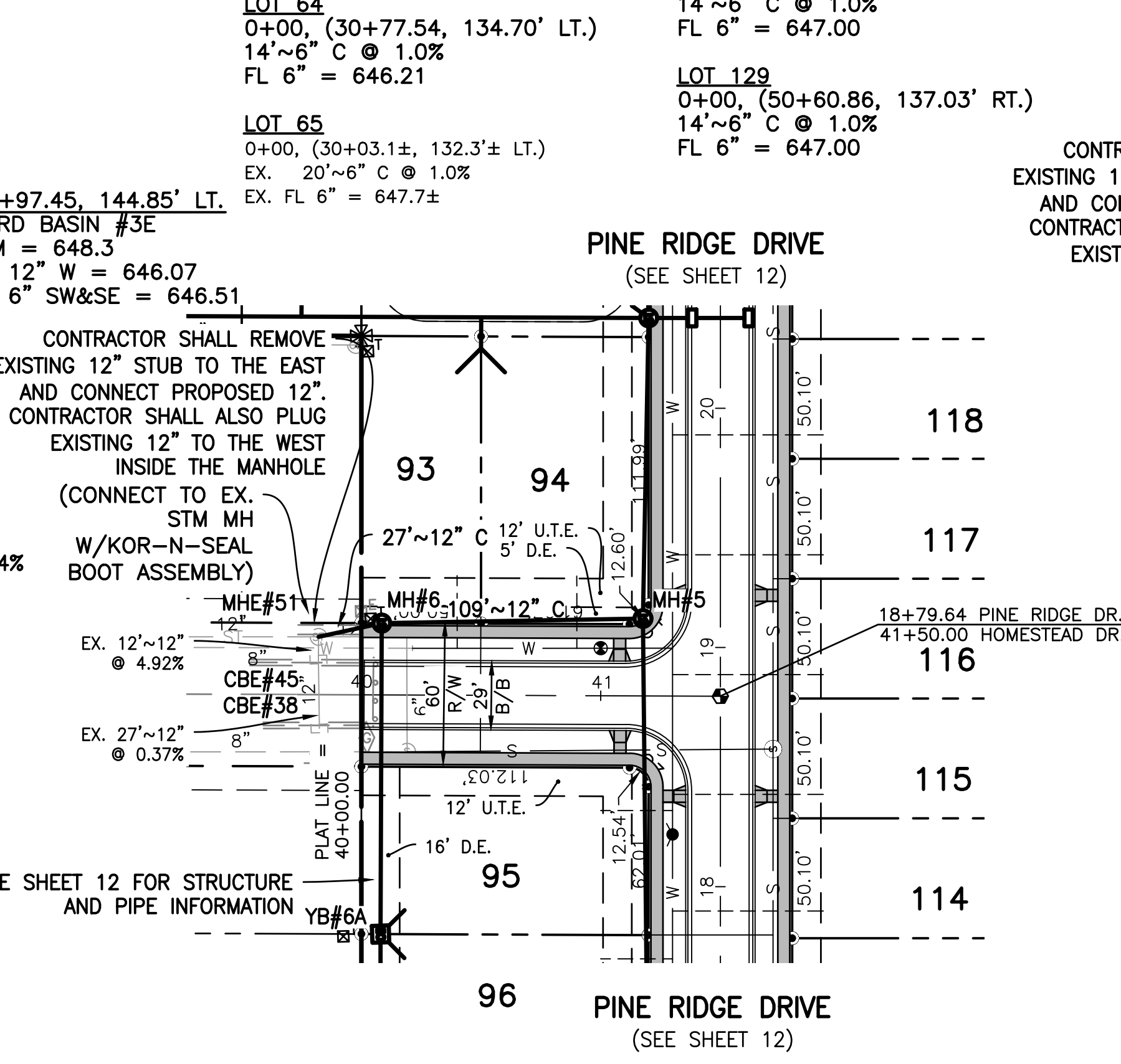
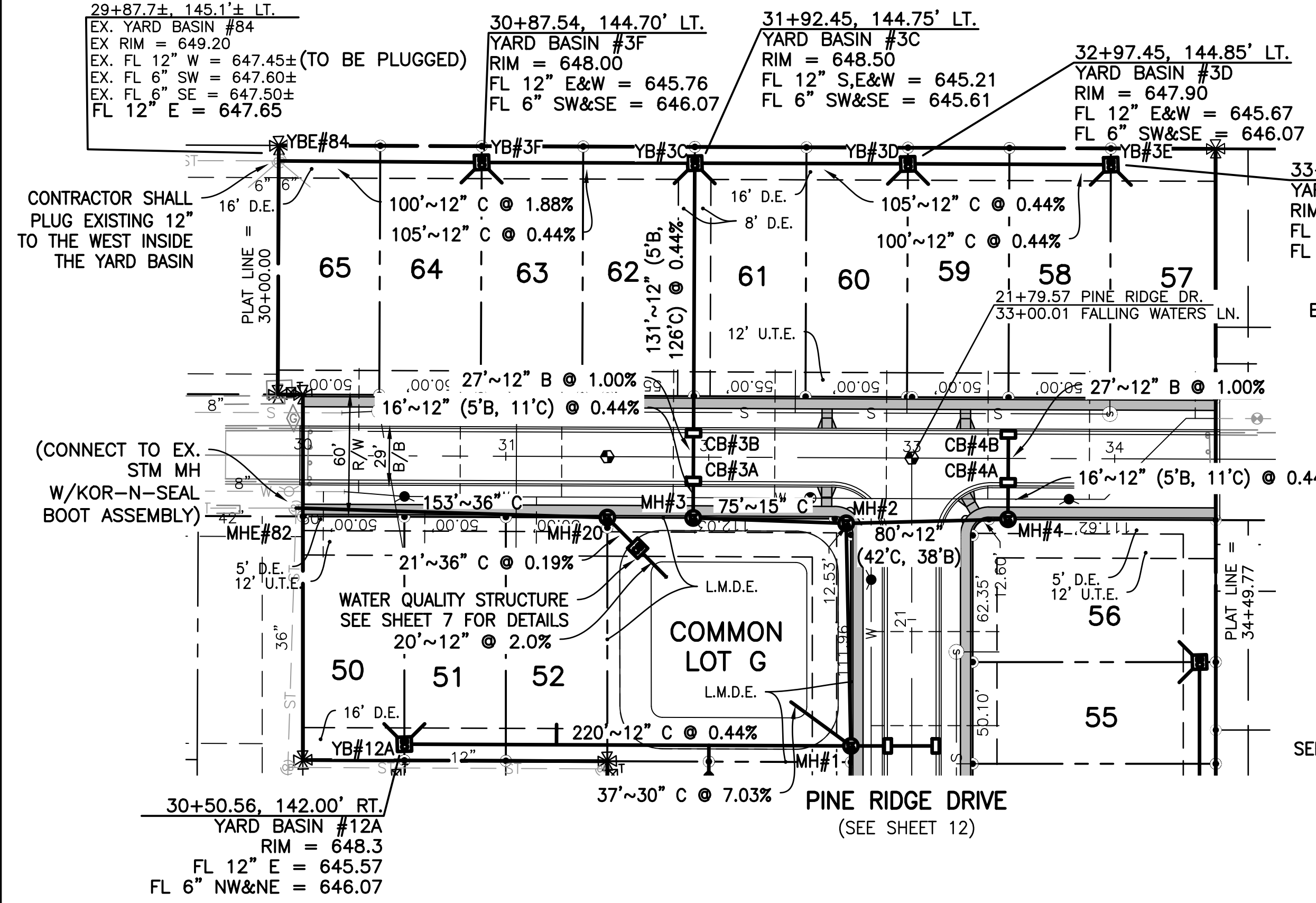
MANHOLE NOTES:

- ALL STORM MANHOLES SHALL BE PER THE DETAILS ON SHEET 5.
- THE DIAMETER OF THE MANHOLES SHALL BE AS INDICATED IN THE PROFILE BELOW.
- THE FLAT SLAB TOP OF THE MANHOLES SHALL BE STREET CENTERLINE & OUT OF THE PROPOSED SIDEWALK.



EASEMENT ABBREVIATIONS

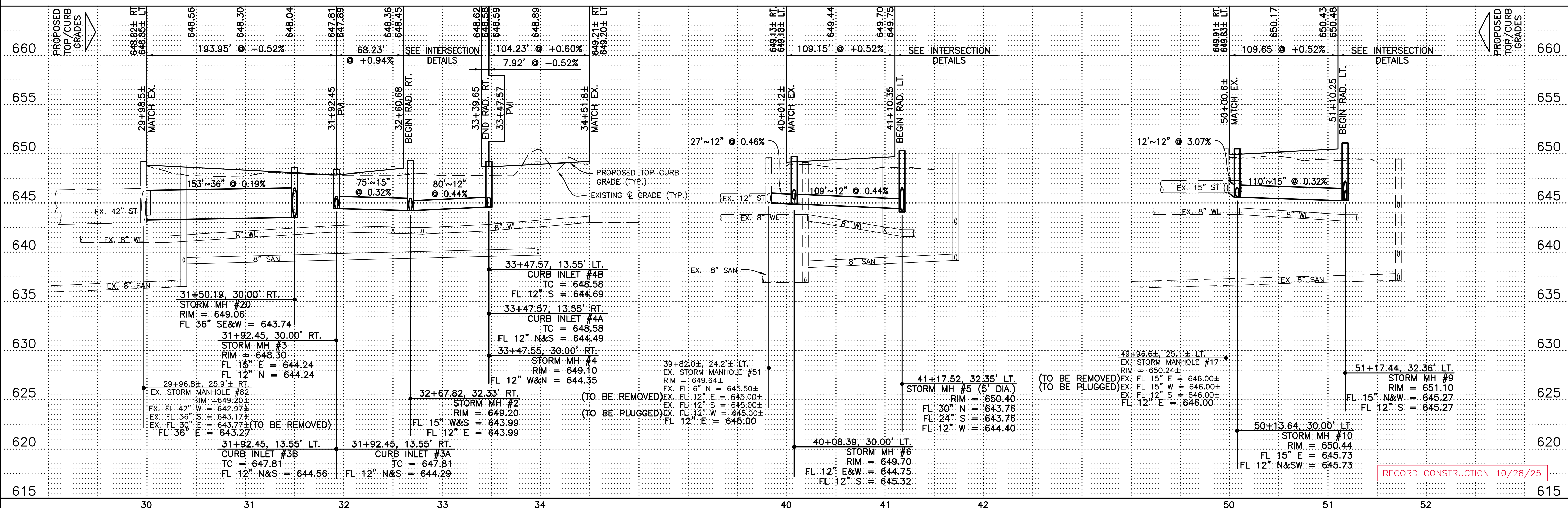
D.E.DRAINAGE EASEMENT
U.T.E.UTILITY & TOLEDO EDISON EASEMENT
L.M.D.E.LAKE MAINTENANCE & DRAINAGE EASEMENT



FALLING WATERS LANE

HOMESTEAD DRIVE

CROSS RIDGE ROAD



RECORD CONSTRUCTION 10/28/25

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

HO811.org
Before You Dig

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

PAVEMENT & DRAINAGE AS BUILT PLAN AND PROFILE

PROJECT: FALLS AT RIVERS EDGE PLAT 4, CITY OF PERRYBURG, WOOD COUNTY, OHIO

SIGNED: _____

DATE: AS NOTED

SCALE: 11.3.2025

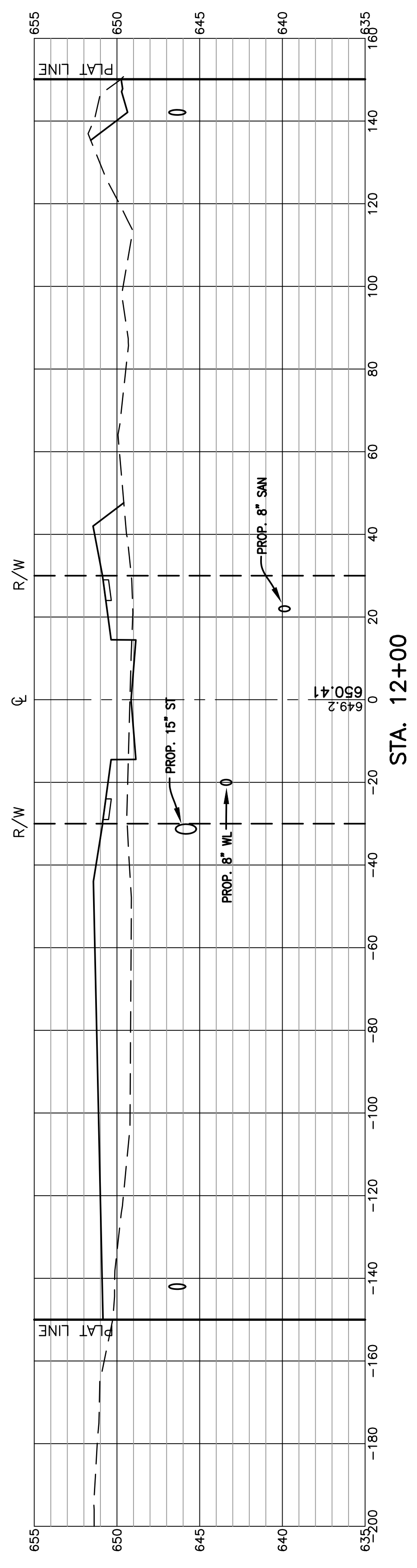
DESIGNED: BLW **DRAWN:** KSG

CHECKED: BLW **REVIEWED:** BLW

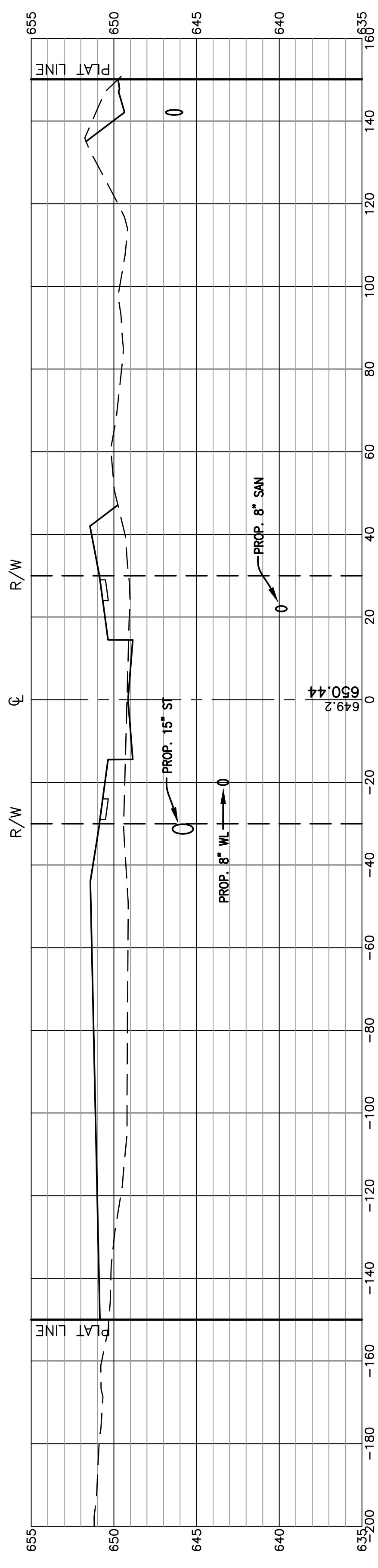
PROJECT: 10-10141

DRAWING: 10-10141DPO01AB

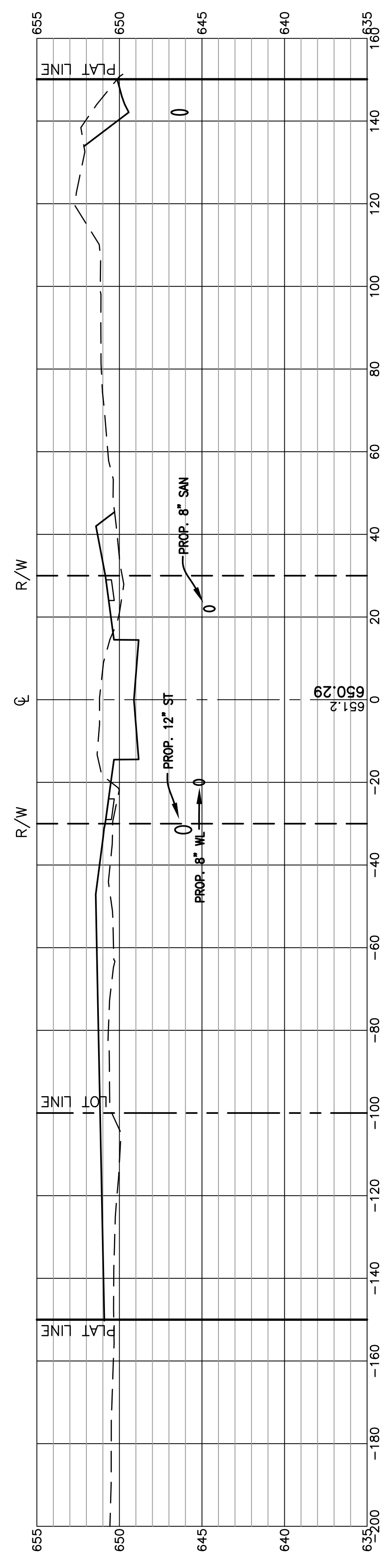
SHEET 13 OF 27



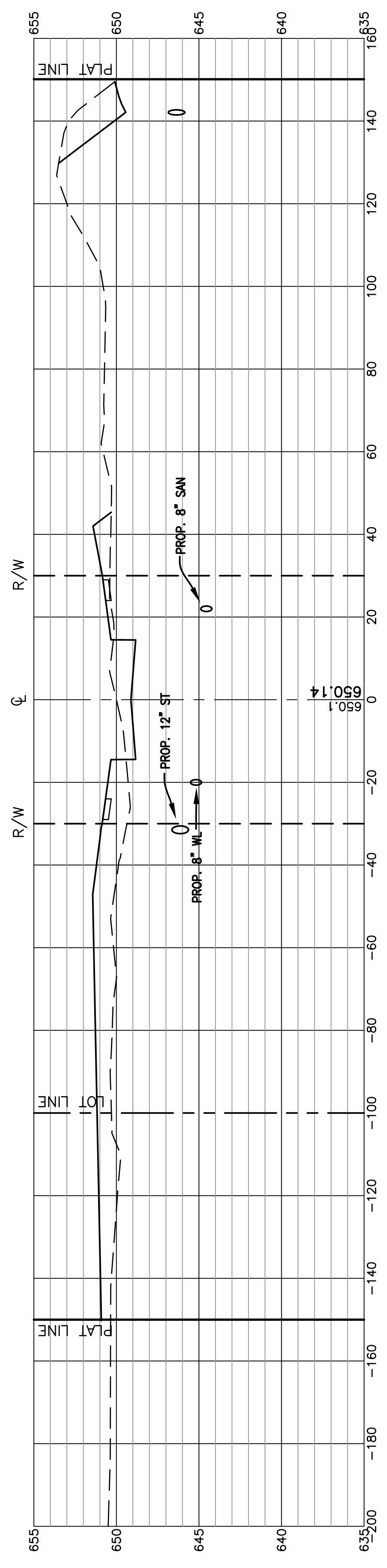
STA. 12+00



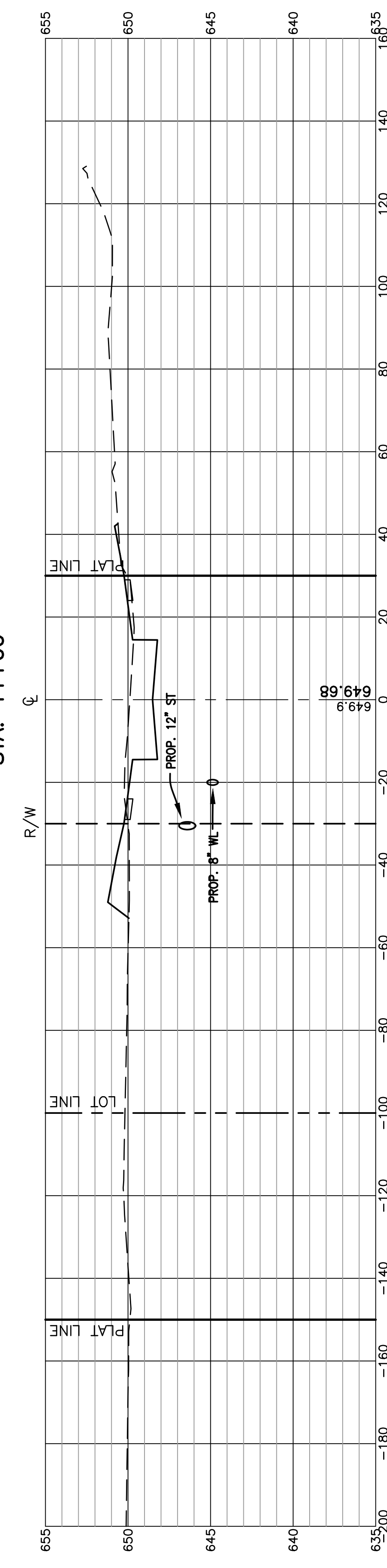
STA. 11+94.86



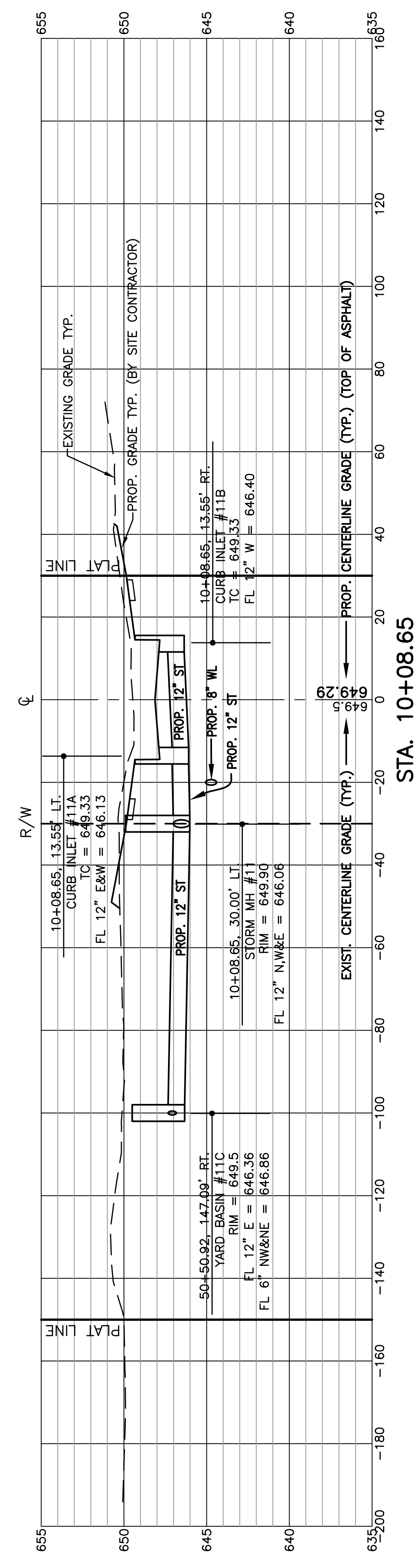
STA. 11+15.86



STA. 11+00



STA. 10+50



STA. 10+08.65

RECORD CONSTRUCTION 10/28/25

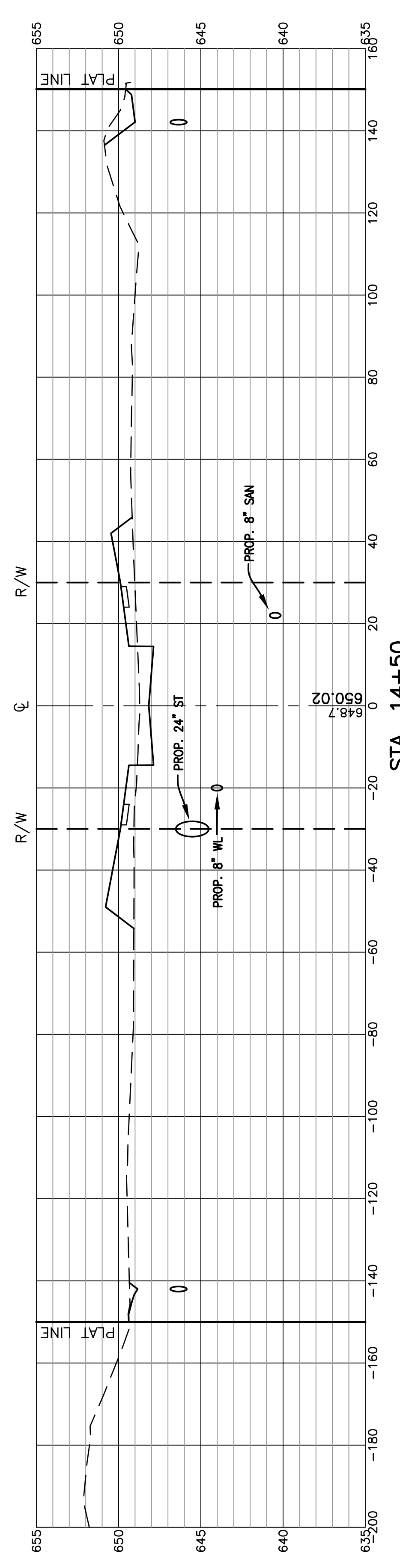
© 2024 FELLER, FINCH & ASSOC., INC.		SIGNED
DATE	AS NOTED	
SCALE	11.3.2025	
DESIGNED: BLW	DRAWN: KSG	
CHECKED: BLW	REVIEWED: BLW	
PROJECT: 10-10141		
DRAWING: 10-10141DPO0A1AB		

TITLE: PAVEMENT & DRAINAGE AS BUILT CROSS SECTIONS
PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

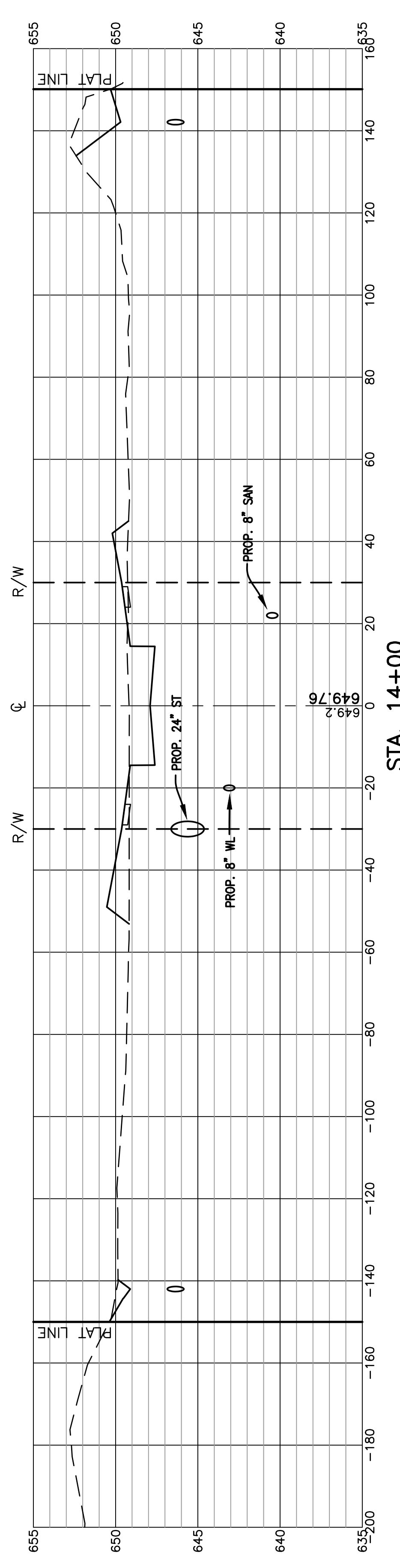
REV. NO.	REVISION	DATE

FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors
 1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

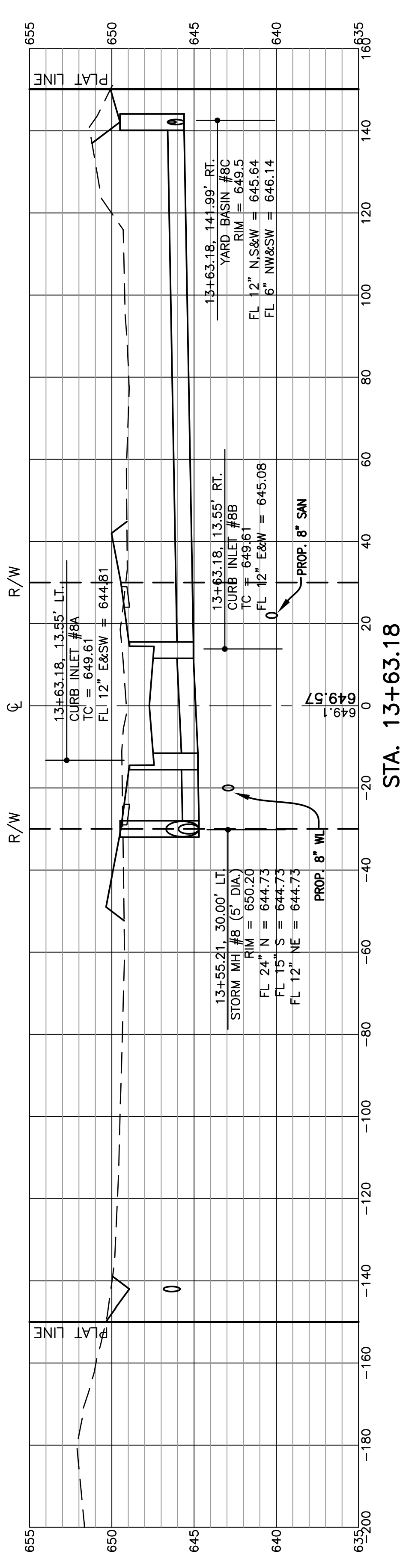
UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig
OH0811.org
 Before You Dig
 OH0811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)



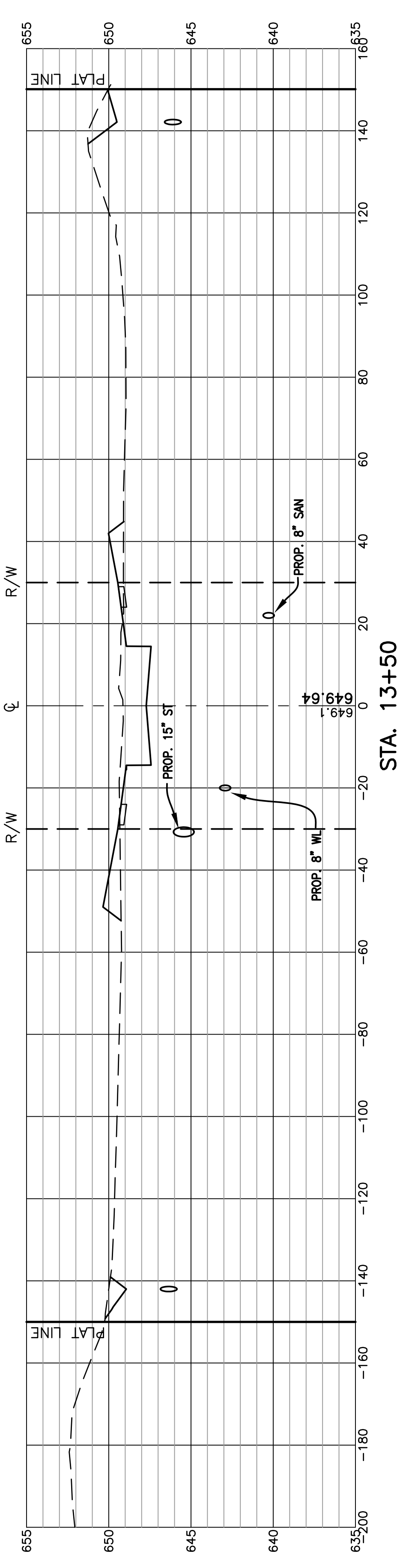
STA. 14+50



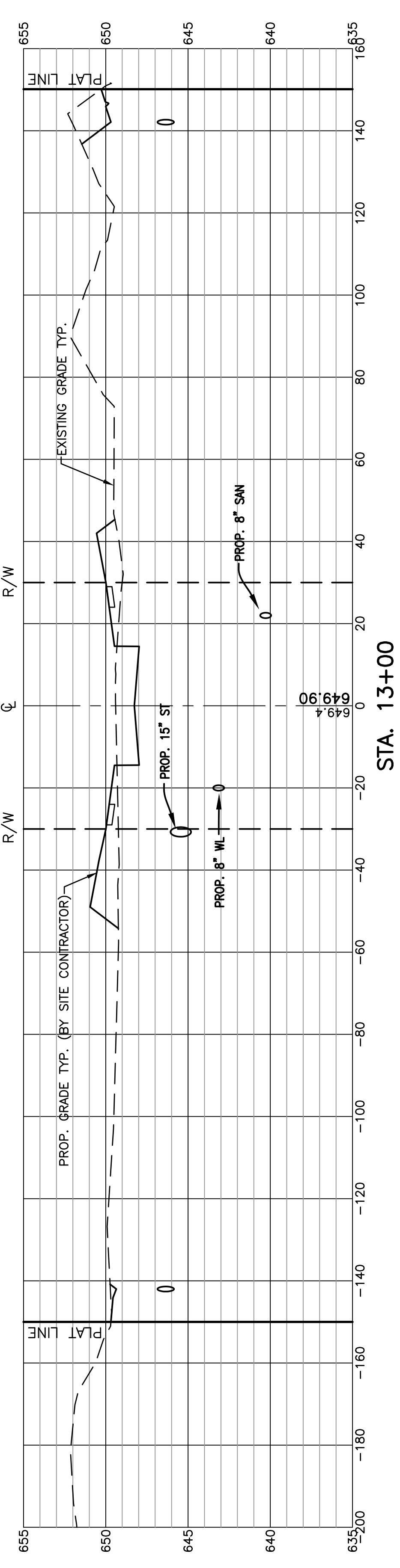
STA. 14+00



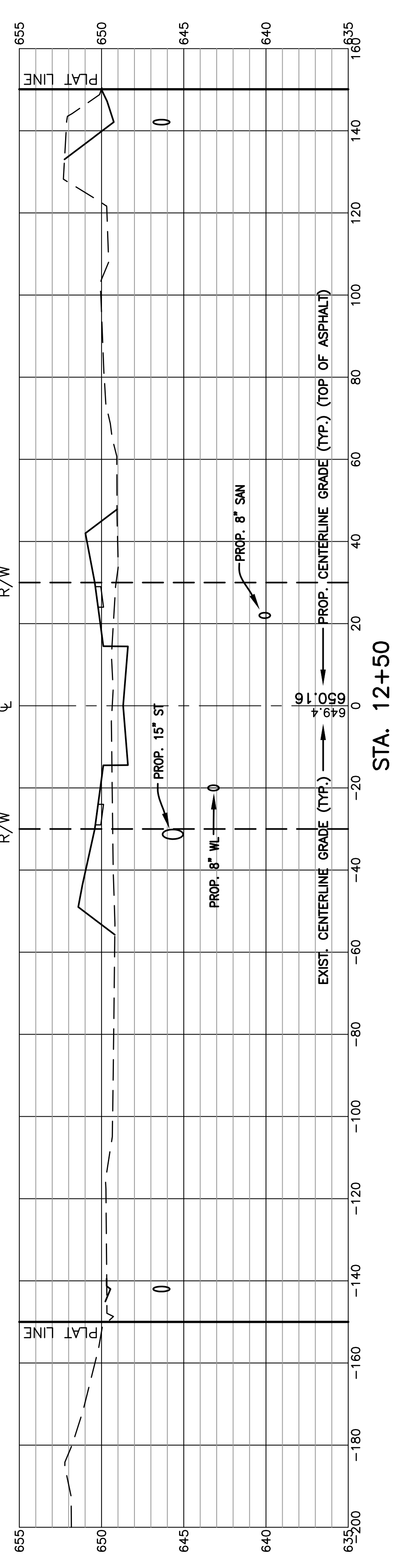
STA. 13+63.18



STA. 13+00



STA. 13+00



STA. 12+50

RECORD CONSTRUCTION 10/28/25

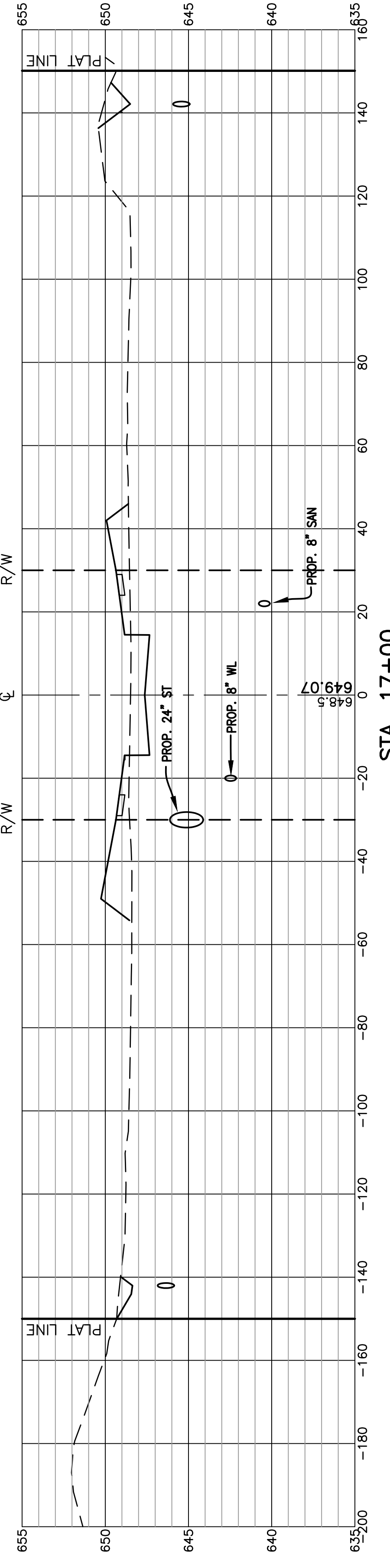
DATE	SIGNED
SCALE: AS NOTED	
DATE: 11.3.2025	
DESIGNED: BLW DRAWN: KSG	
CHECKED: BLW REVIEWED: BLW	
PROJECT: 10-10141	
DRAWING: 10-10141DPO0A1AB	

TITLE: PAVEMENT & DRAINAGE AS BUILT CROSS SECTIONS
 PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

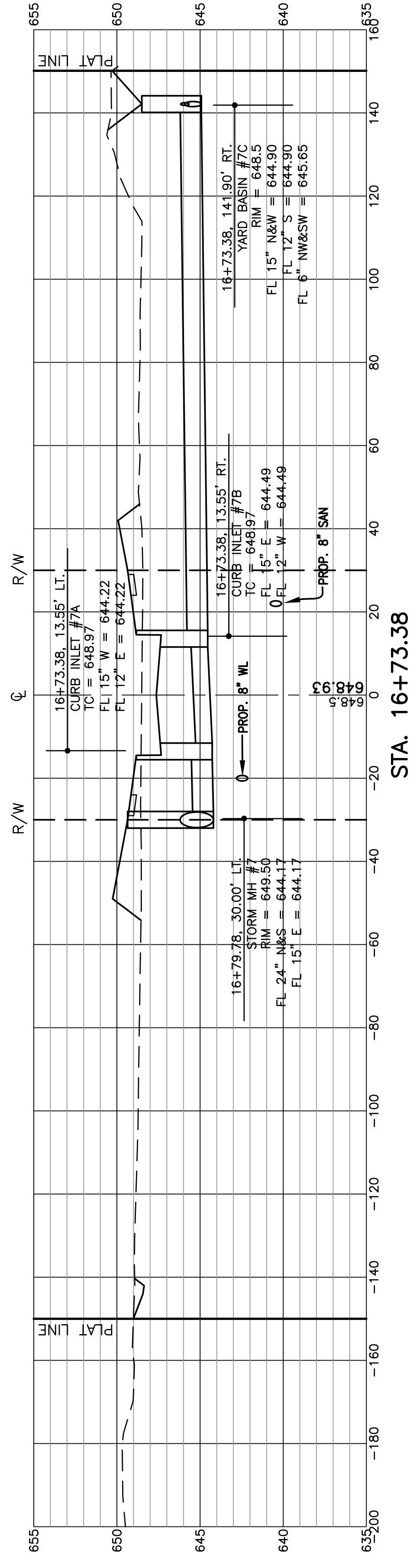
REV. NO.	REVISION	DATE

FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors
 1683 Woodlands Drive, Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

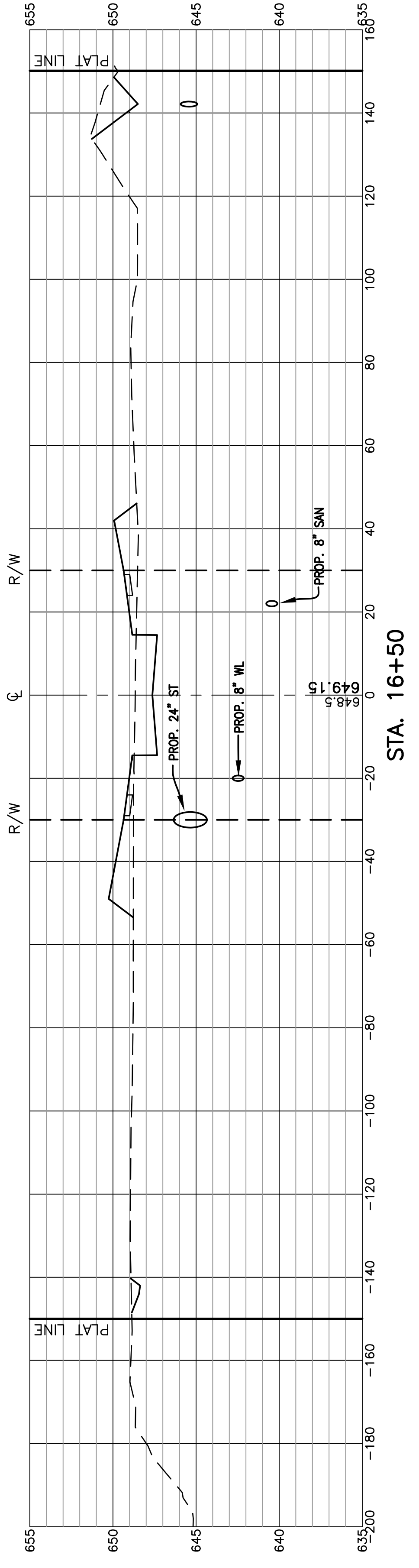
UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig
 OH0811.org
 Before You Dig
 OH0811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)



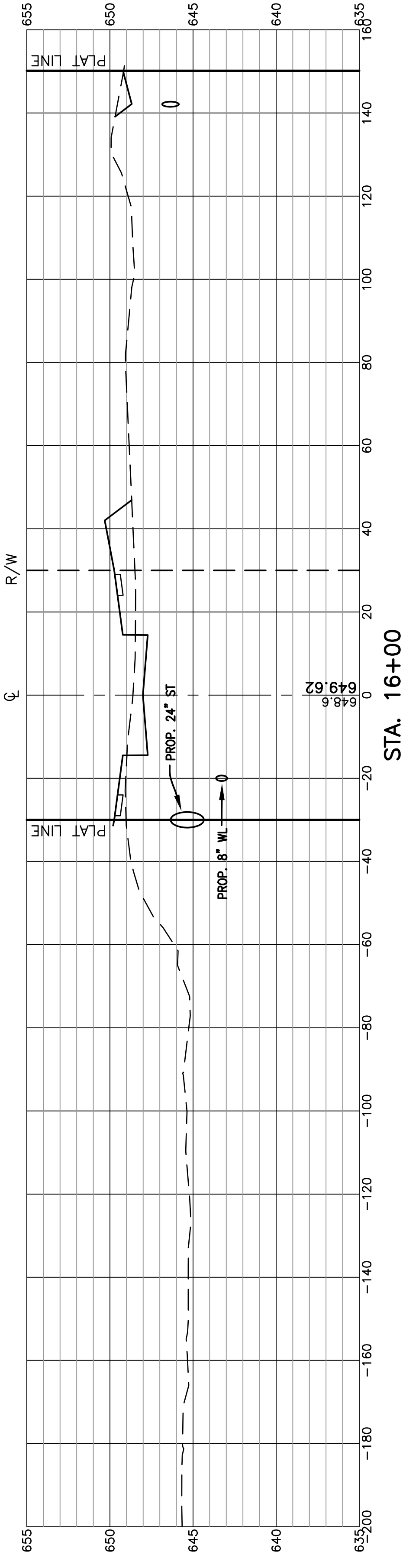
STA. 17+00



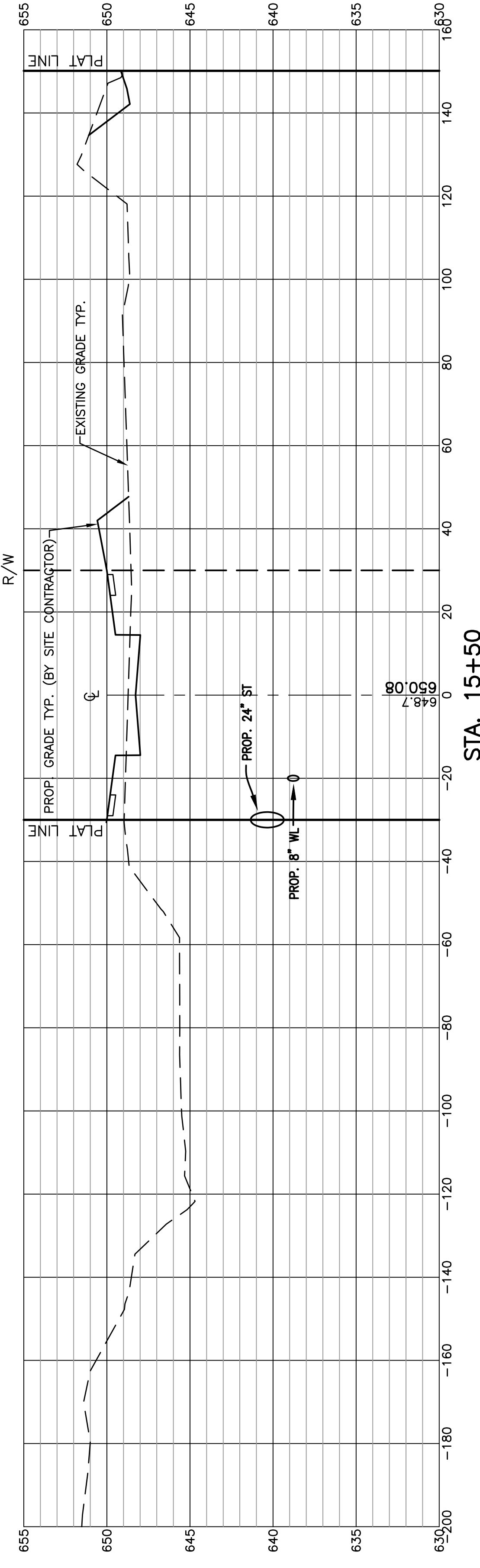
STA. 16+73.38



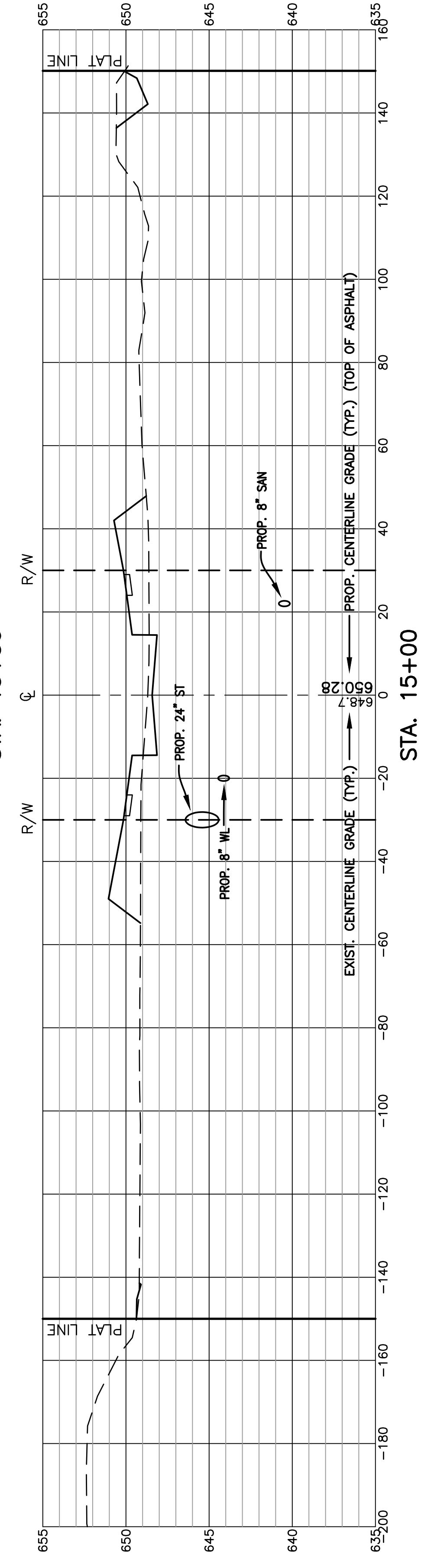
STA. 16+50



STA. 16+00



STA. 15+50

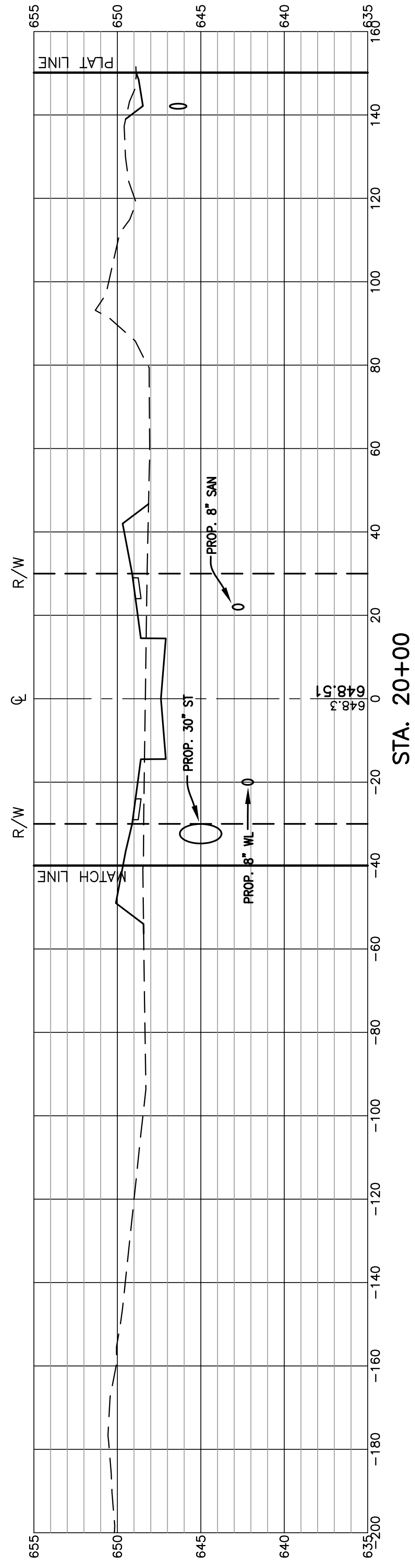


STA. 15+00

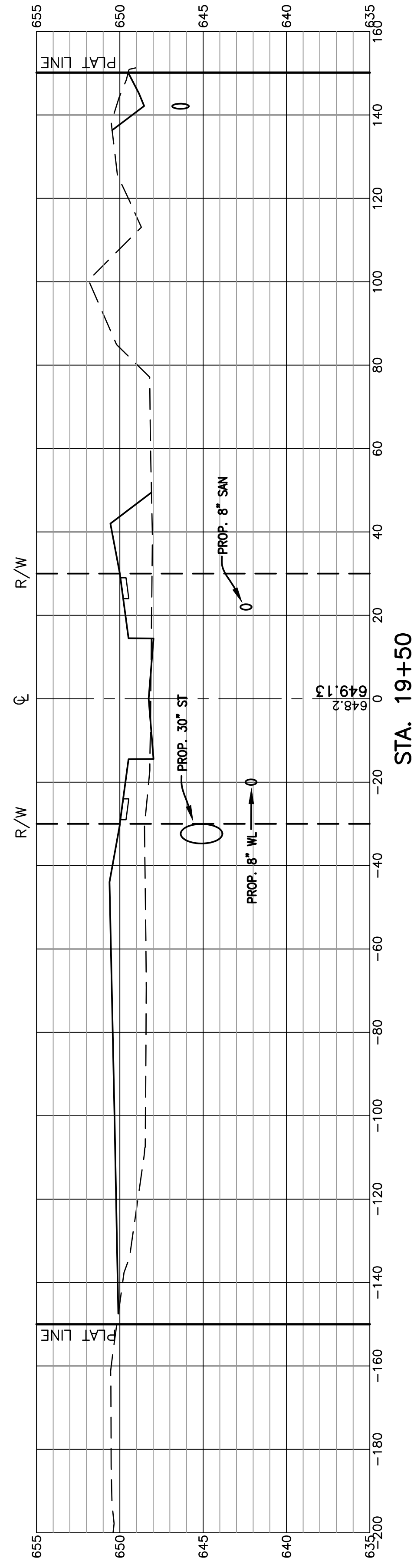
RECORD CONSTRUCTION 10/28/25

© 2024 FELLER, FINCH & ASSOC., INC. UNDERGROUND UTILITIES Contact Two Working Days Before You Dig FellerFinch & ASSOCIATES, INC. Engineers • Surveyors 1683 Woodlands Drive, Maumee, Ohio 43537 Phone: (419) 893-3680 Fax: (419) 893-2982 www.fellerfinch.com OHIO811, 8-1-1, or 1-800-362-2764 (Non-members must be called directly)	
TITLE: PAVEMENT & DRAINAGE AS BUILT CROSS SECTIONS PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO	
SIGNED: _____ DATE: _____ SCALE: AS NOTED DATE: 11.3.2025 DESIGNED: BLW DRAWN: KSG CHECKED: BLW REVIEWED: BLW PROJECT: 10-10141 DRAWING: 10-10141DPO0A1AB	REV. NO. REVISION DATE _____ _____ _____
SHEET 16 OF 27	

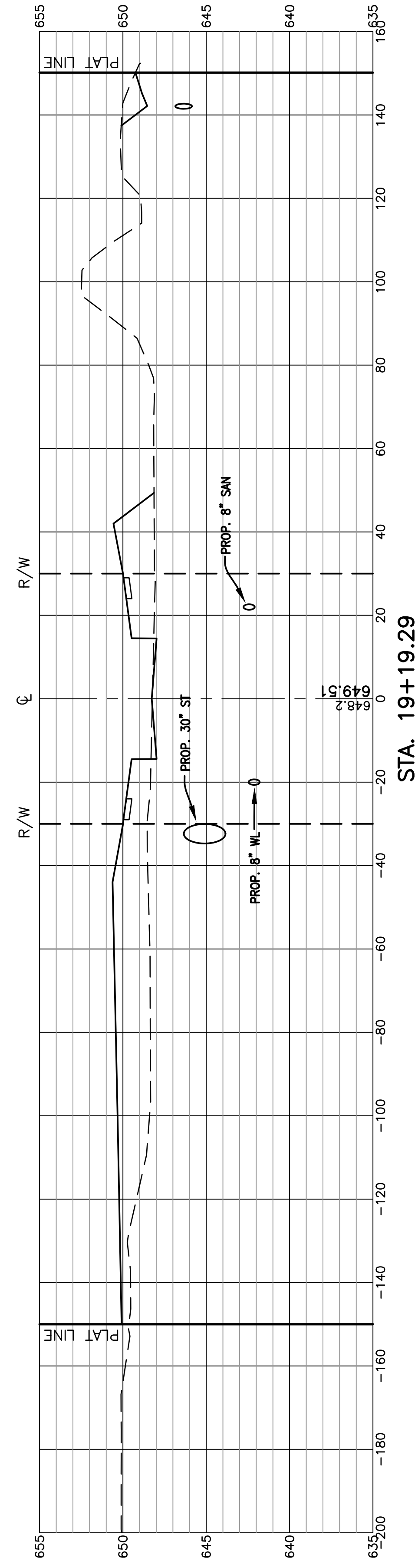
P:\Projects\10E10141-The Falls at Rivers Edge-Preliminary_Dwg\10-10141DPO0A1AB.dwg, 17, 11/3/2025 12:02:26 PM, rpawicki



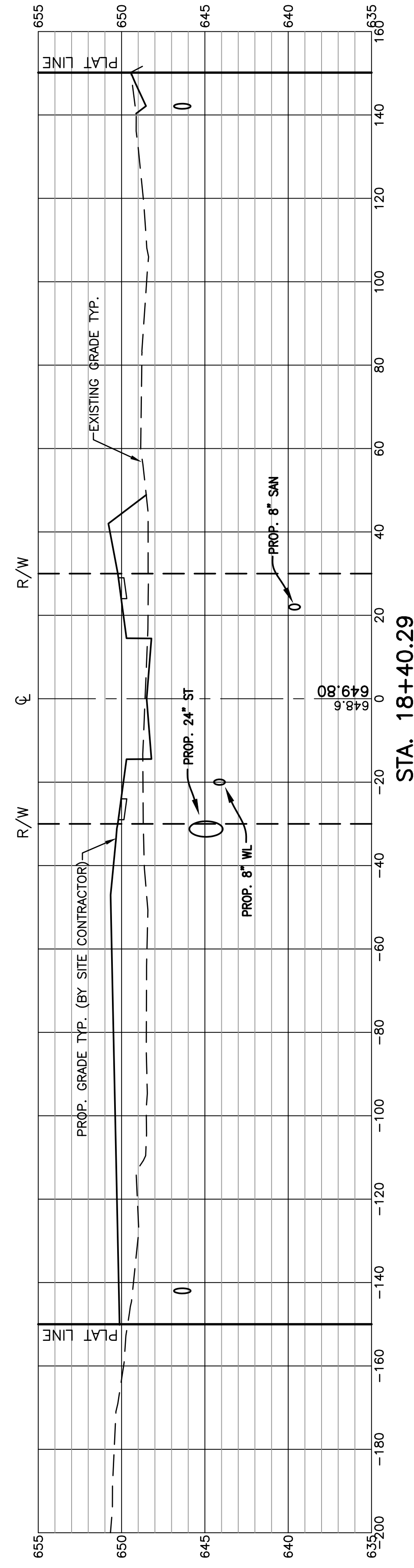
STA. 20+00



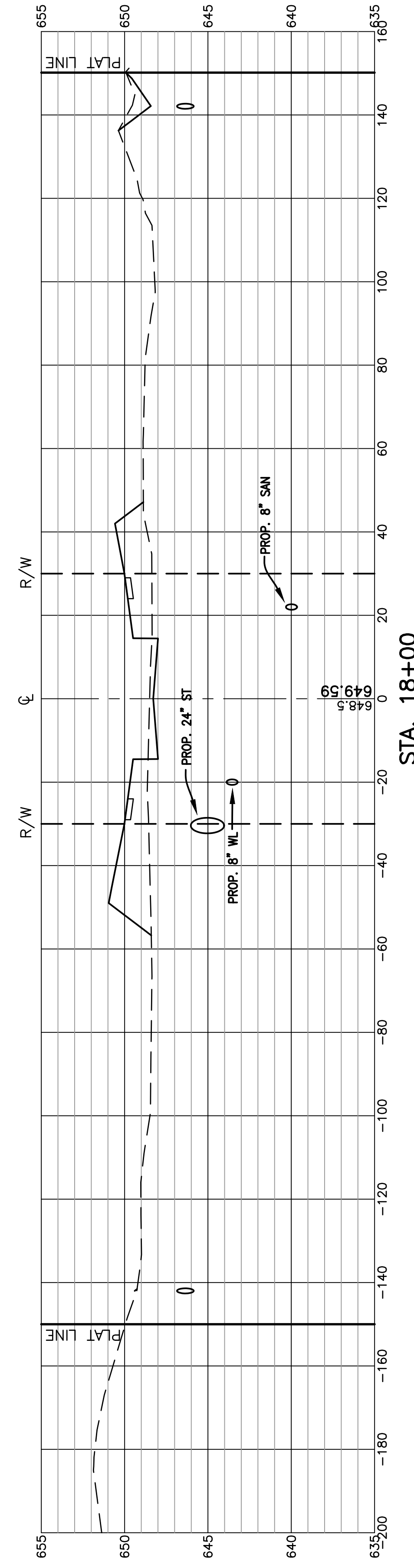
STA. 19+50



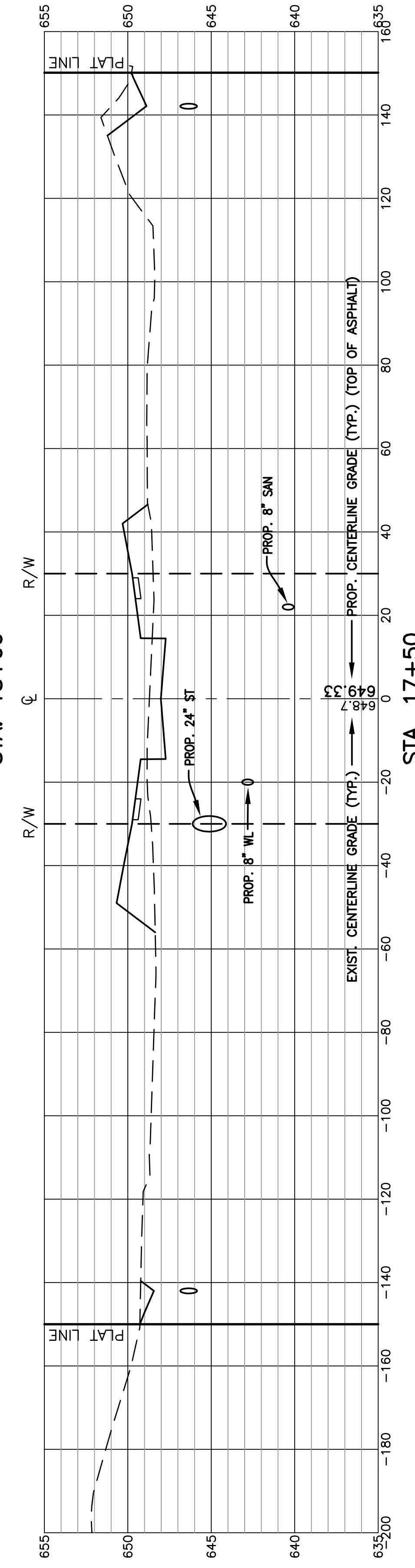
STA. 19+19.29



STA. 18+40.29



STA. 18+00



STA. 17+50

RECORD CONSTRUCTION 10/28/25

© 2024 FELLER, FINCH & ASSOC., INC.	
SIGNED	
DATE	
SCALE	AS NOTED
DATE:	11.3.2025
DESIGNED:	BLW
DRAWN:	KSG
CHECKED:	BLW
REVIEWED:	BLW
PROJECT:	10-10141
DRAWING:	10-10141DPO0A1AB

TITLE: PAVEMENT & DRAINAGE AS BUILT CROSS SECTIONS

PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

REV. NO.	REVISION	DATE

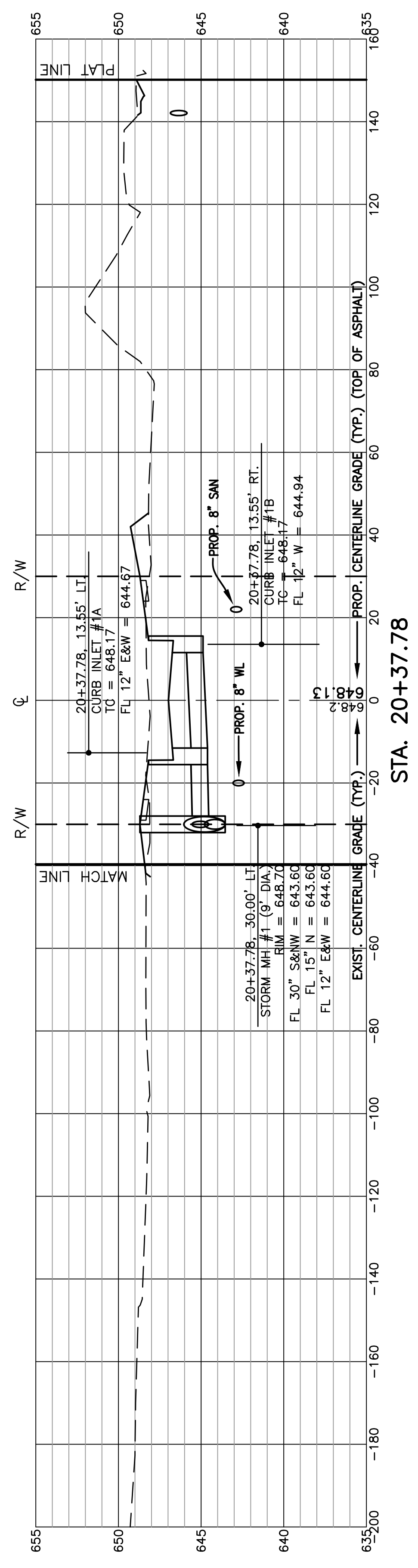
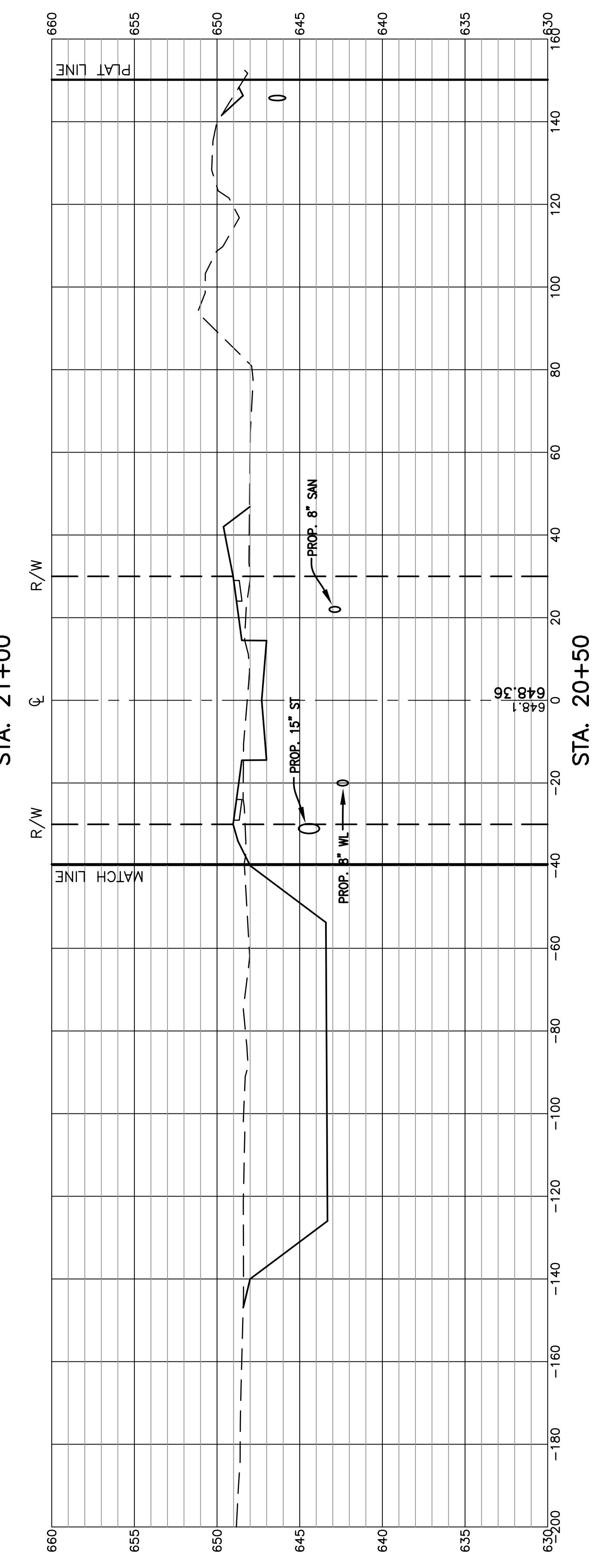
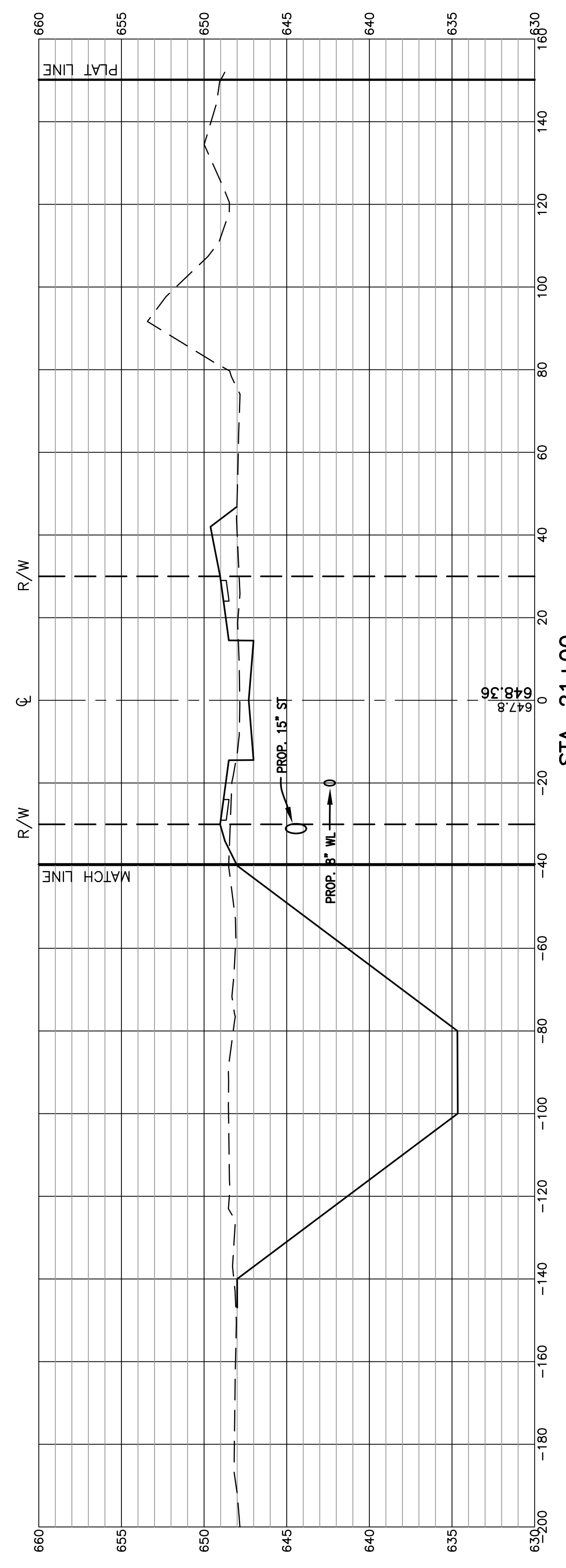
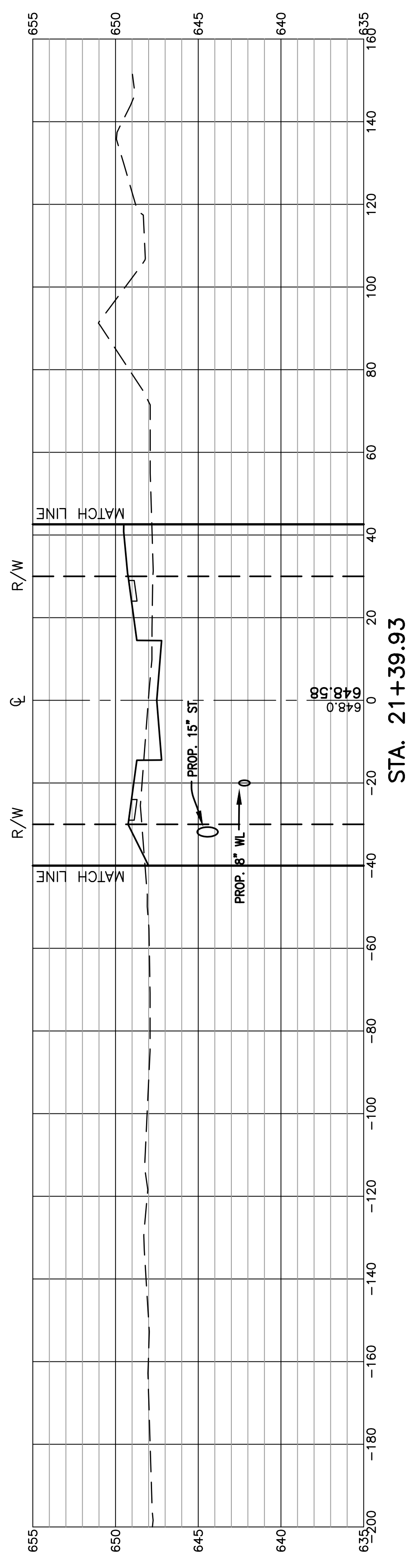
FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OH0811.org
Before You Dig

OH0811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)



RECORD CONSTRUCTION 10/28/25

SIGNED	
DATE	AS NOTED
SCALE:	11.3.2025
DESIGNED: BLW	DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW
PROJECT:	10-10141
DRAWING:	10-10141DP00A1AB

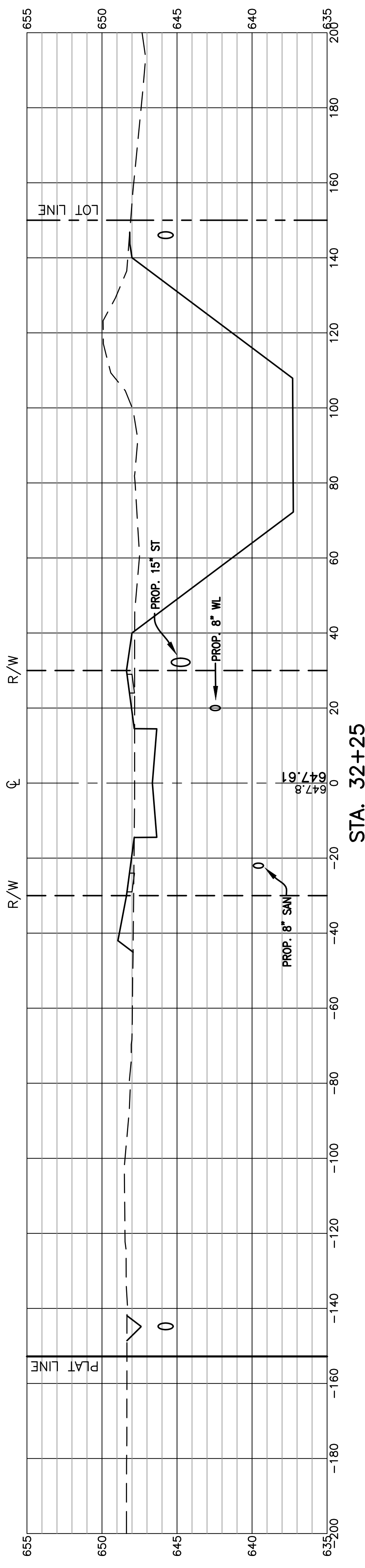
TITLE: PAVEMENT & DRAINAGE AS BUILT
 CROSS SECTIONS
 PROJECT: FALLS AT RIVERS EDGE PLAT 4
 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

REV. NO.	REVISION	DATE

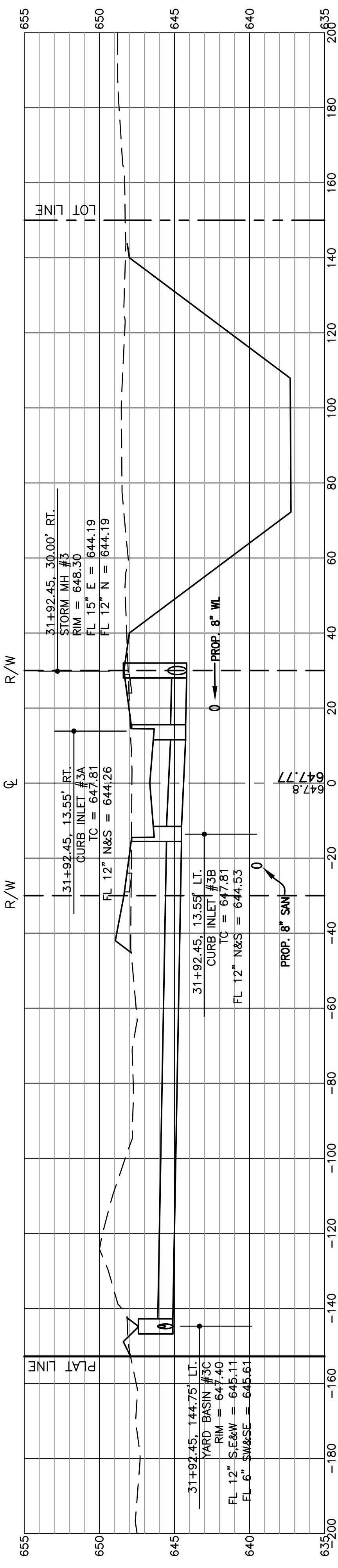
FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors
 1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig

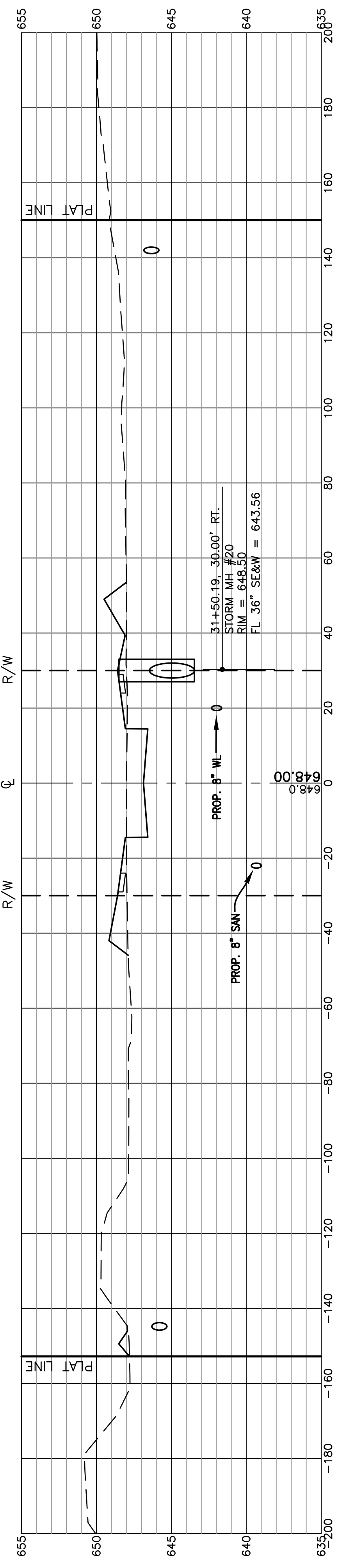
 OH0811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)



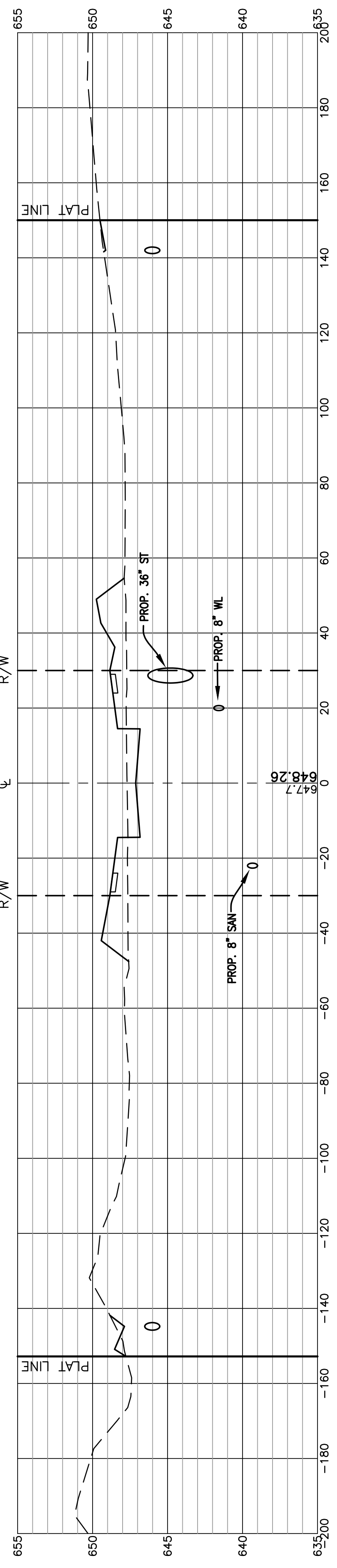
STA. 32+25



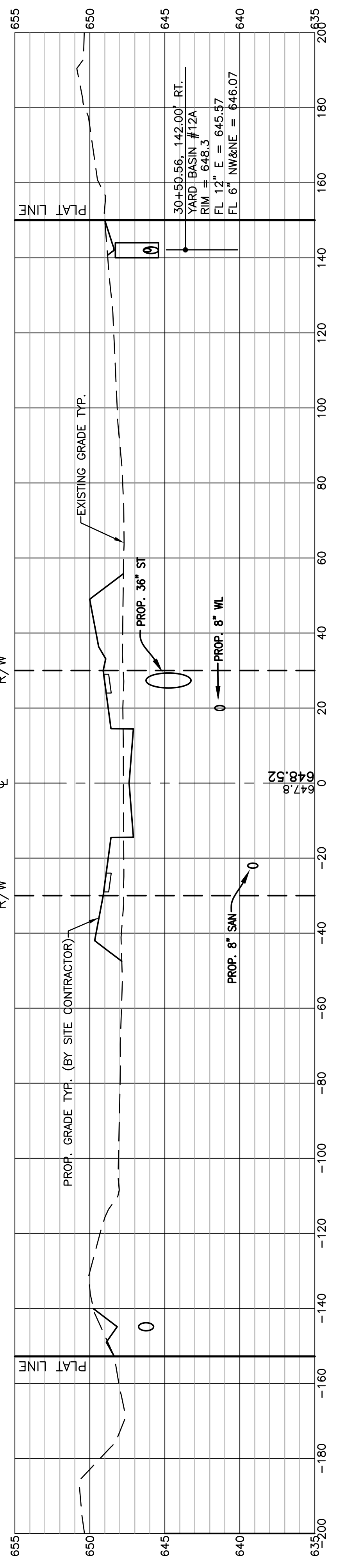
STA. 31+92.45



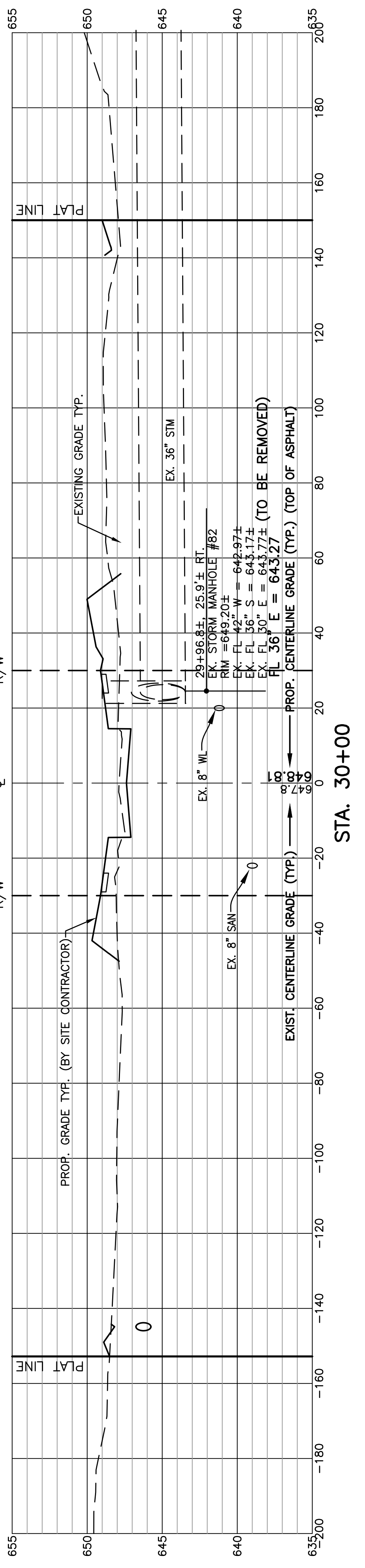
STA. 31+50



STA. 31+00



STA. 30+50



STA. 30+00

RECORD CONSTRUCTION 10/28/25

© 2024 FELLER, FINCH & ASSOC., INC.

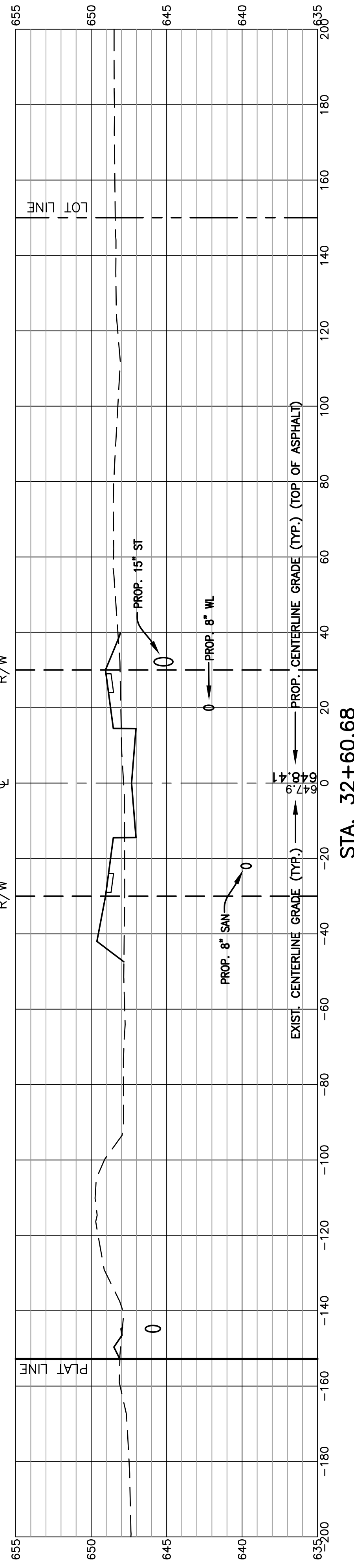
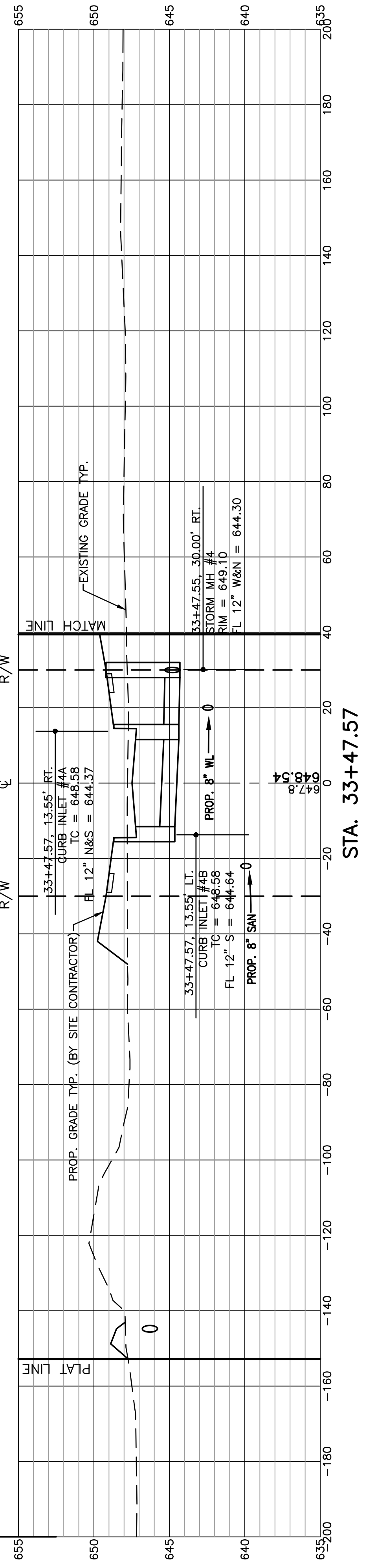
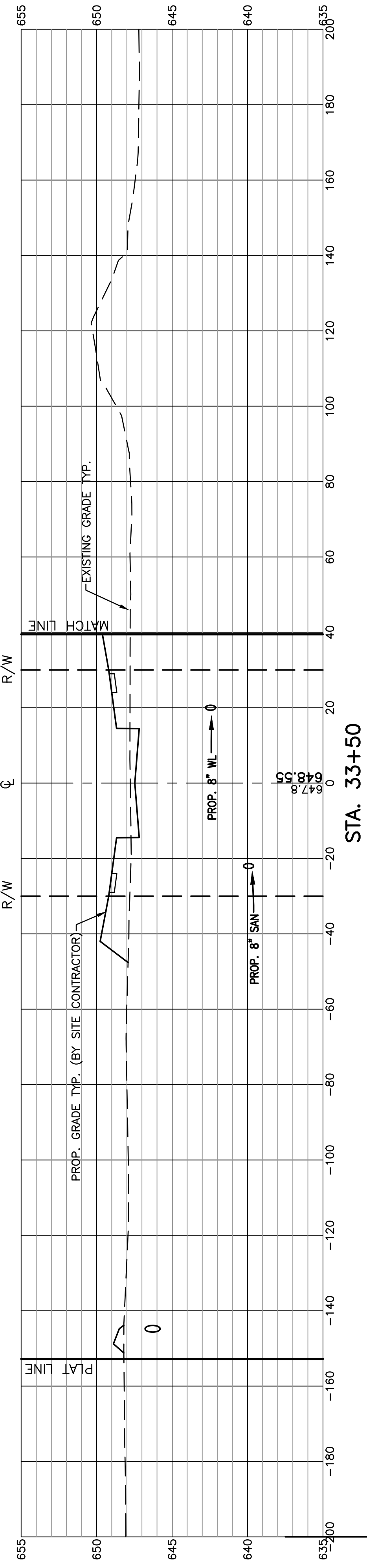
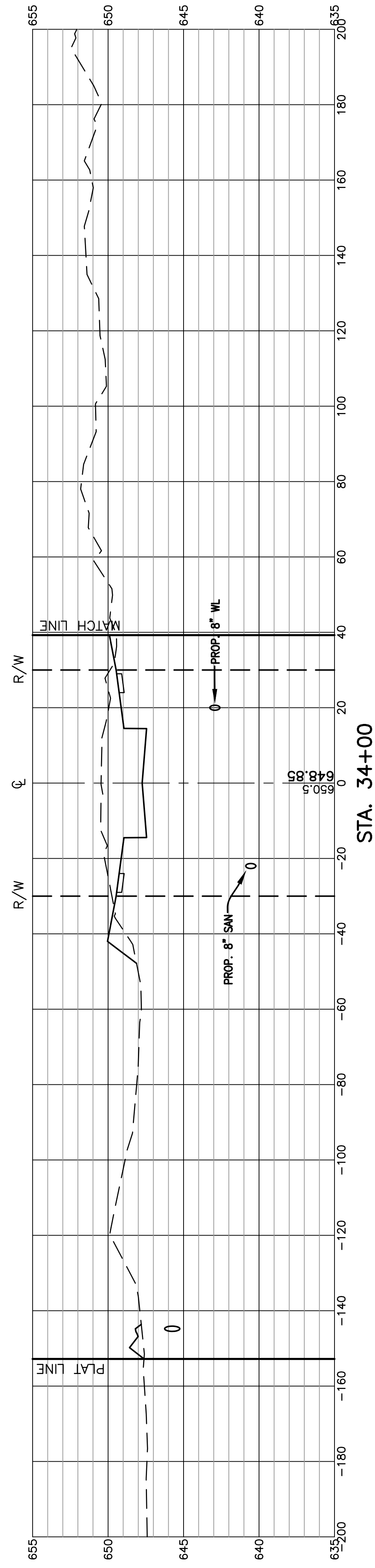
SIGNED	DATE
SCALE: AS NOTED	DATE: 11.3.2025
DESIGNED: BLW DRAWN: KSG	CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141	DRAWING: 10-10141DPO01AB

TITLE: PAVEMENT & DRAINAGE AS BUILT CROSS SECTIONS
 PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

REV. NO.	REVISION	DATE

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig
 OH0811.org
 Before You Dig
 OH0811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors
 1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com



RECORD CONSTRUCTION 10/28/25

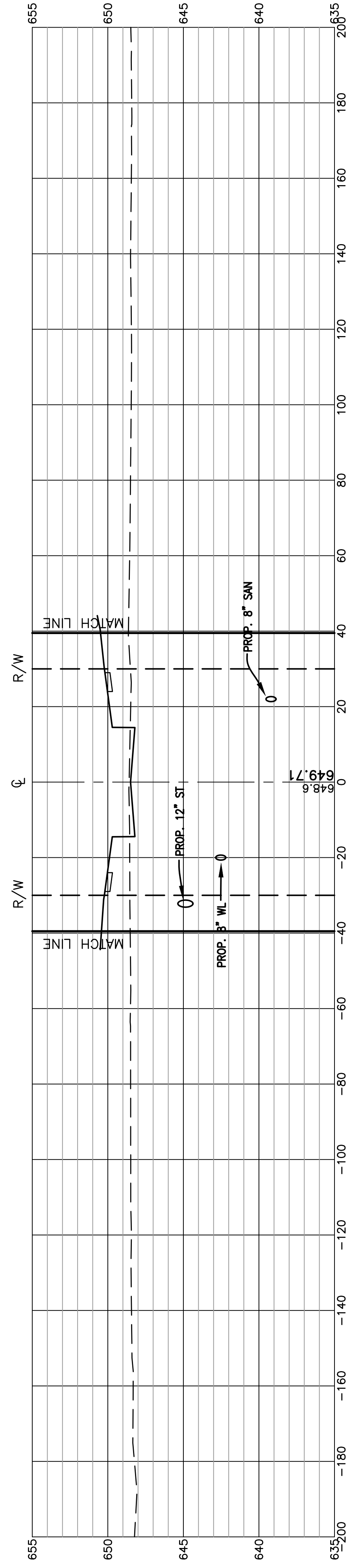
SIGNED	
DATE	
SCALE:	AS NOTED
DATE:	11.3.2025
DESIGNED: BLW	DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW
PROJECT:	10-10141
DRAWING:	10-10141DPO01AB

TITLE: PAVEMENT & DRAINAGE AS BUILT CROSS SECTIONS
 PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYBURG, WOOD COUNTY, OHIO

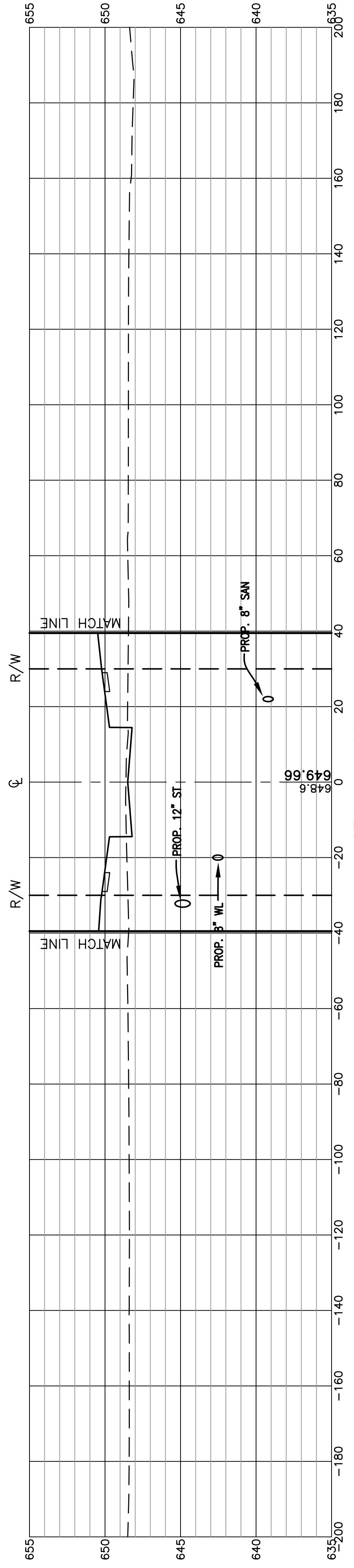
REV. NO.	REVISION	DATE

FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors
 1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

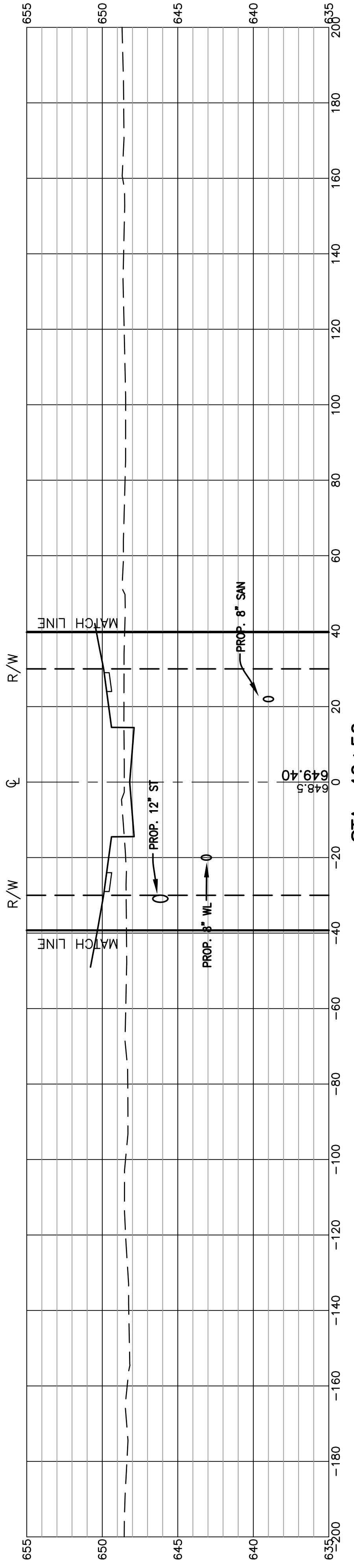
UNDERGROUND UTILITIES
 Contact Two Working Days
 Before You Dig
OH0811.org
 Before You Dig
 OH0811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)



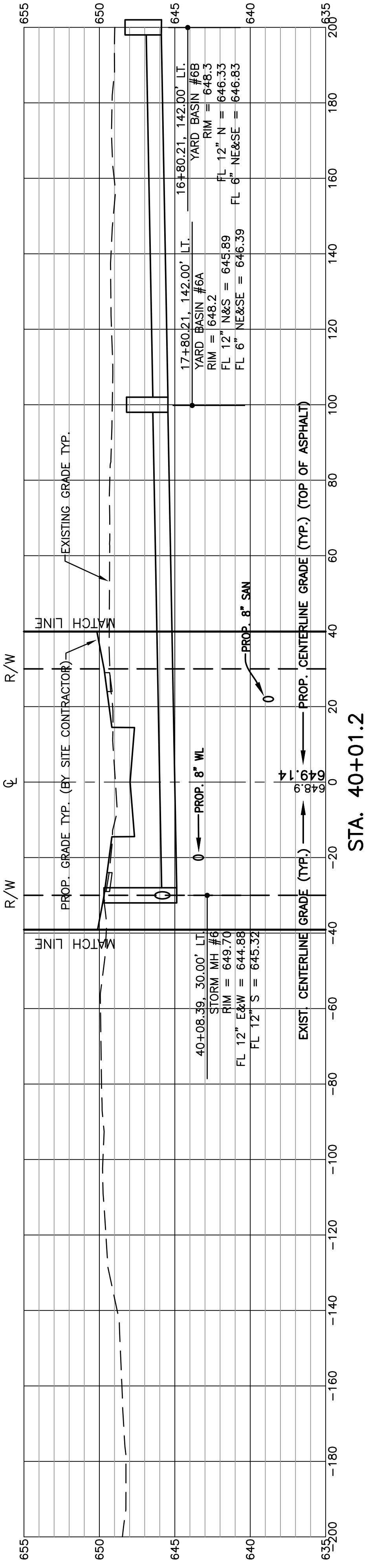
STA. 41+10.35



STA. 41+00



STA. 40+50



STA. 40+01.2

RECORD CONSTRUCTION 10/28/25

SIGNED	
DATE	AS NOTED
SCALE	11.3.2025
DESIGNED: BLW	DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW
PROJECT:	10-10141
DRAWING:	10-10141DPO0A1AB

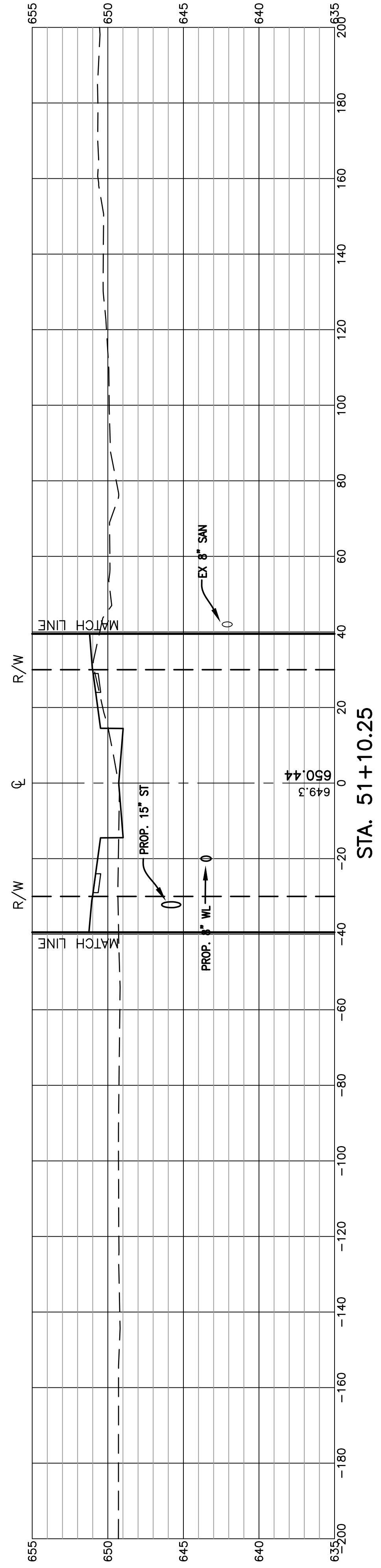
TITLE: PAVEMENT & DRAINAGE AS BUILT CROSS SECTIONS

PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYBURG, WOOD COUNTY, OHIO

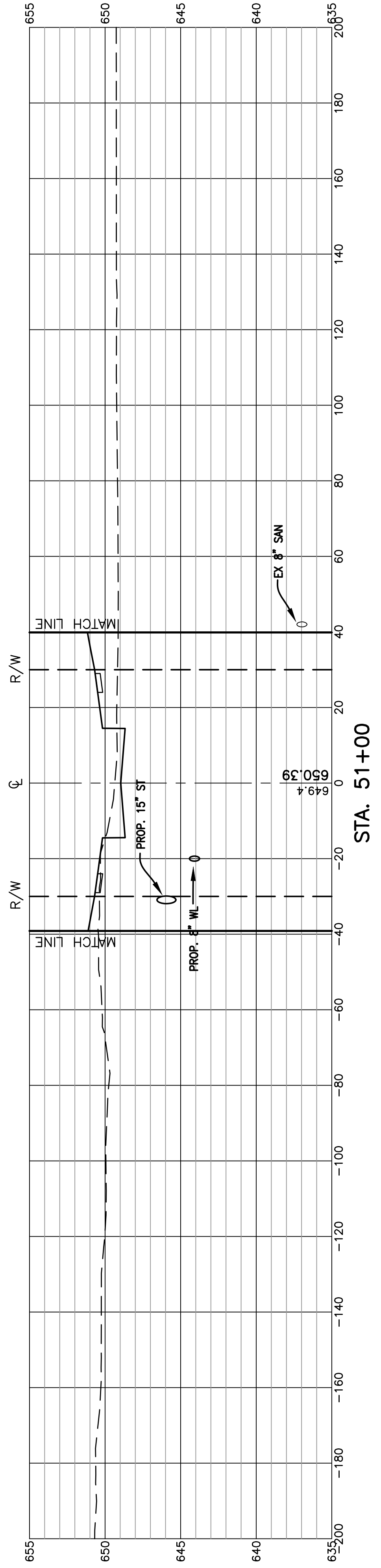
REV. NO.	REVISION	DATE

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors
1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

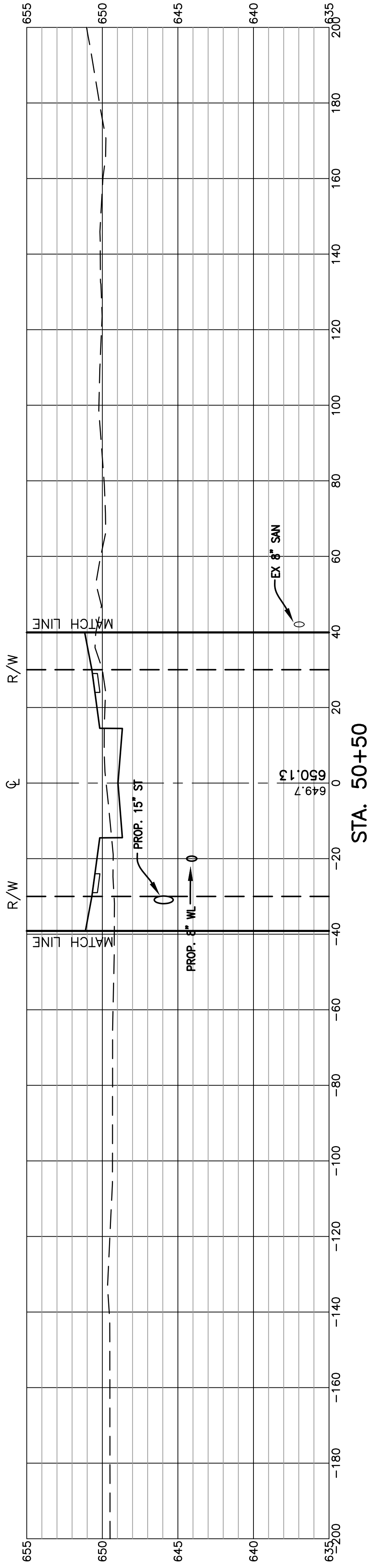
UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig
OHO811.org
Before You Dig
OHO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)



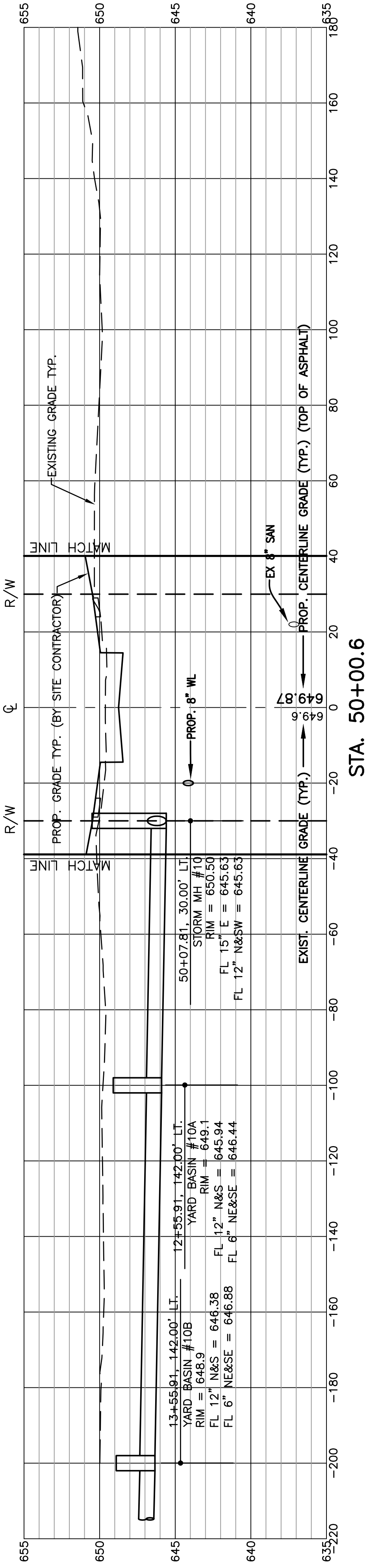
STA. 51+10.25



STA. 51+00



STA. 50+50



STA. 50+00.6

RECORD CONSTRUCTION 10/28/25

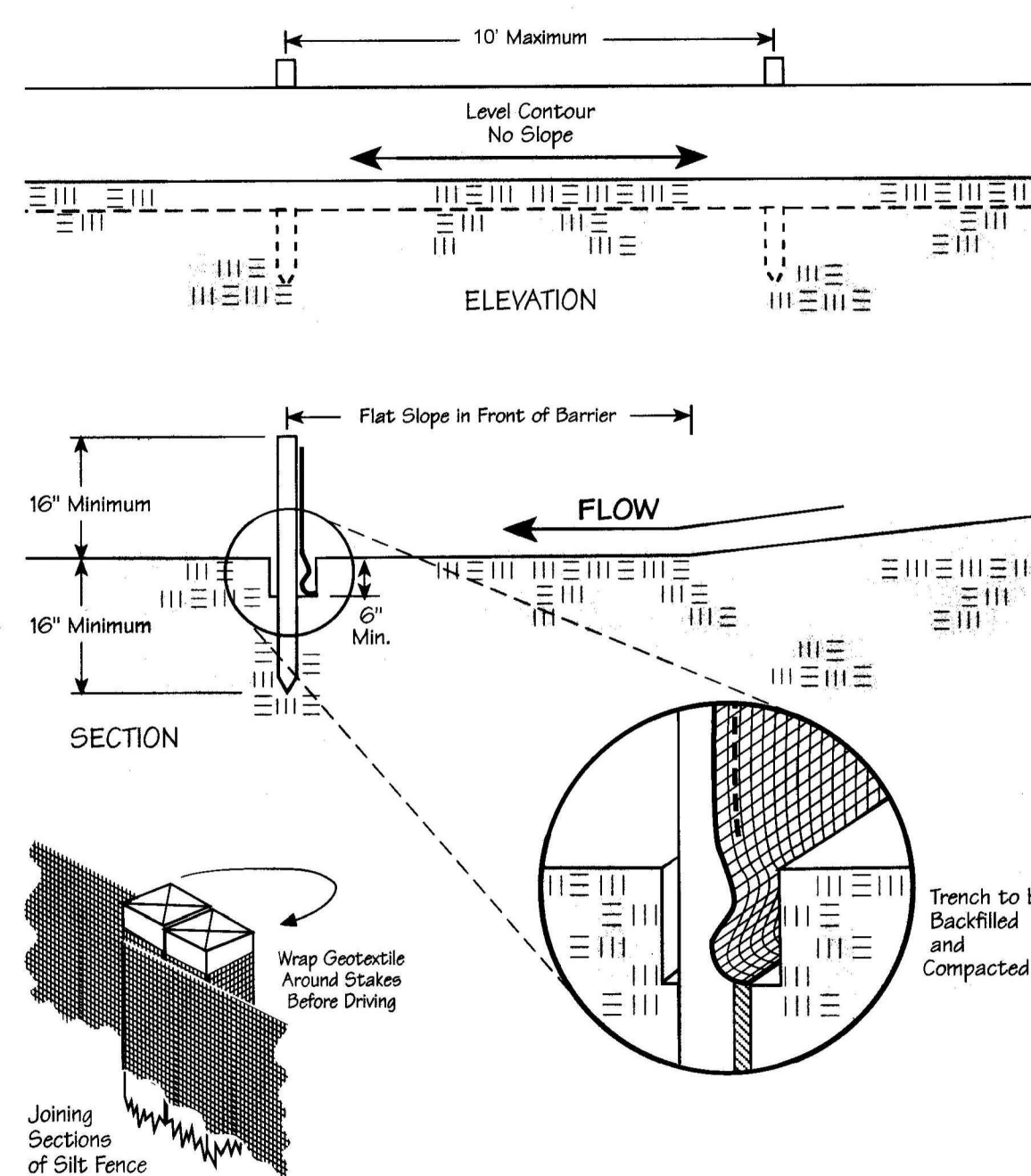
© 2024 FELLER, FINCH & ASSOC., INC.		
SIGNED	DATE	SCALE: AS NOTED
	11.3.2025	DESIGNED: BLW DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW	PROJECT: 10-10141
DRAWING:	10-10141DPO0A1AB	SHEET 22 OF 27
TITLE: PAVEMENT & DRAINAGE AS BUILT		
PROJECT: FALLS AT RIVERS EDGE PLAT 4		
CITY OF PERRYSBURG, WOOD COUNTY, OHIO		
REV. NO.	REVISION	DATE

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

OH0811.org
Before You Dig
OH0811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig



Specifications for Silt Fence

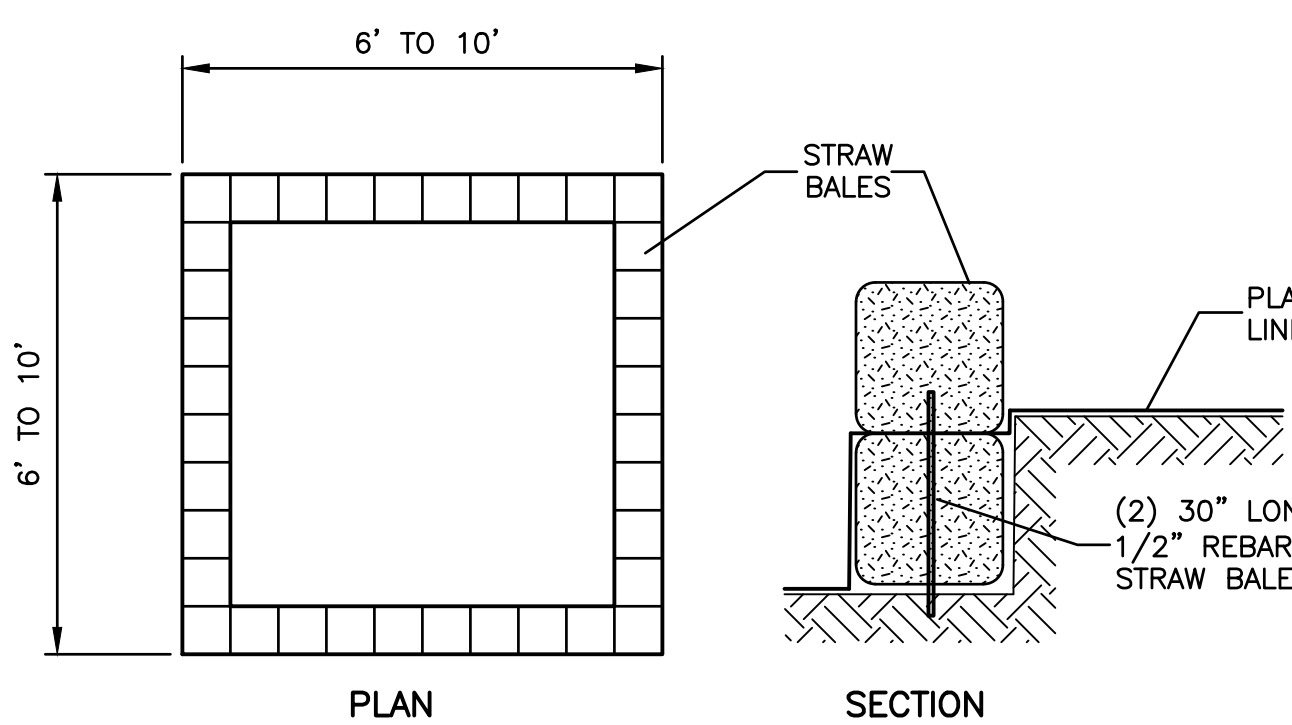
- Silt fence shall be constructed before upslope land disturbance begins.
- All silt fence shall be placed as close to the contour as possible so that water will not concentrate at low points in the fence and so that small swales or depressions which may carry small concentrated flows to the silt fence are dissipated along its length.
- To prevent water ponded by the silt fence from flowing around the ends, each end shall be constructed upslope so that the ends are at a higher elevation.
- Where possible, silt fence shall be placed on the flattest area available.
- Where possible, vegetation shall be preserved for 5 ft. (or as much as possible) upslope from the silt fence. If vegetation is removed, it shall be reestablished within 7 days from the installation of the silt fence.
- The height of the silt fence shall be a minimum of 16 in. above the original ground surface.
- The silt fence shall be placed in a trench cut a minimum of 6 in. deep. The trench shall be cut with a trencher, cable laying machine, or other suitable device which will ensure an adequately uniform trench depth.
- The silt fence shall be placed with the stakes on the downslope side of the geotextile and so that 8 in. of cloth are below the ground surface. Excess material shall lay on the bottom of the 6-in.-deep trench. The trench shall be backfilled and compacted.
- Seams between section of silt fence shall be overlapped with the end stakes of each section wrapped together before driving into the ground.
- Maintenance—Silt fence shall allow runoff to pass only as diffuse flow through the geotextile. If runoff overtops the silt fence, flows under or around the ends, or in any other way becomes a concentrated flow, one of the following shall be performed, as appropriate: 1) The layout of the silt fence shall be changed, 2) Accumulated sediment shall be removed, or 3) Other practices shall be installed.

Criteria for Silt Fence Materials

- Fence Posts—The length shall be a minimum of 32 in. long. Wood posts will be 2-by-2 in. hardwood of sound quality. The maximum spacing between posts shall be 10 ft.
- Silt Fence Fabric (see chart below):

Fabric Properties	Values	Test Method
Grab Tensile Strength	90 lb. minimum	ASTM D 1682
Mullen Burst Strength	190 psi minimum	ASTM D 3786
Slurry Flow Rate	0.3 gal./min./ft ² maximum	
Equivalent Opening Size	40-80	US Std. Sieve CW-02215
Ultraviolet Radiation Stability	90% minimum	ASTM-G-26

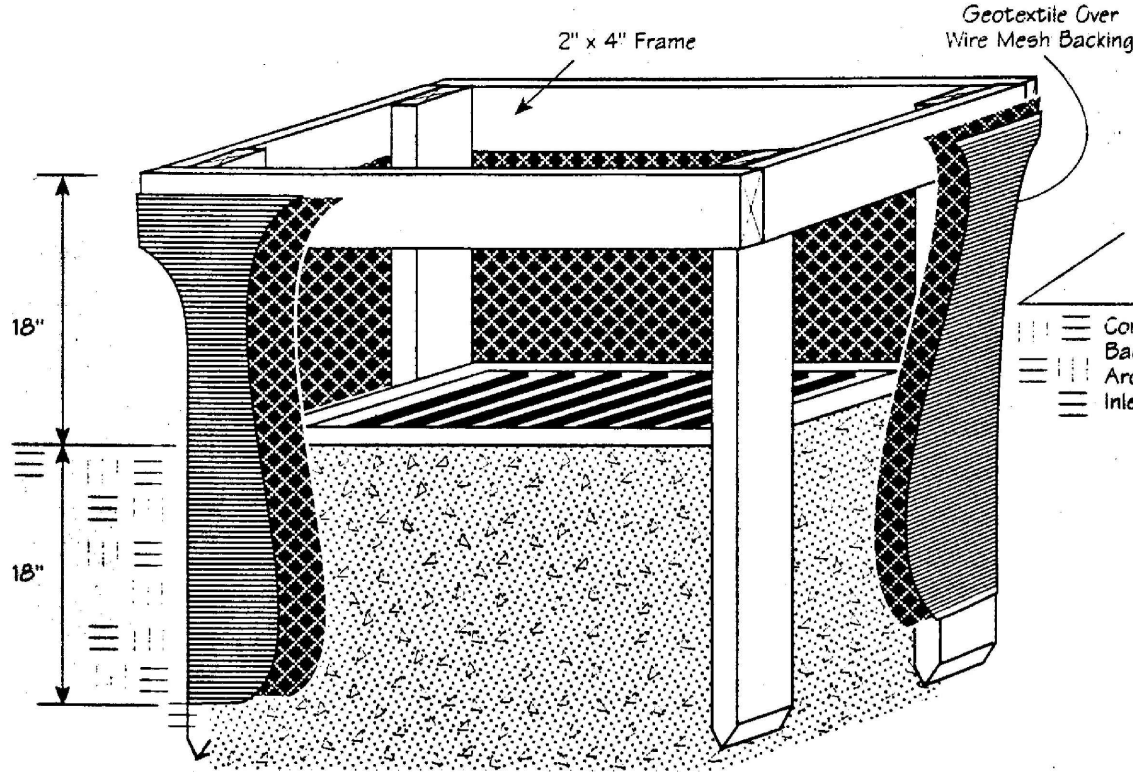
FILTER FABRIC FENCE



NOTE: CONTRACTOR CAN USE PORTABLE CONCRETE WASHOUT AREAS IN LIEU OF CONCRETE WASHOUT BASINS (RECOMMENDED).

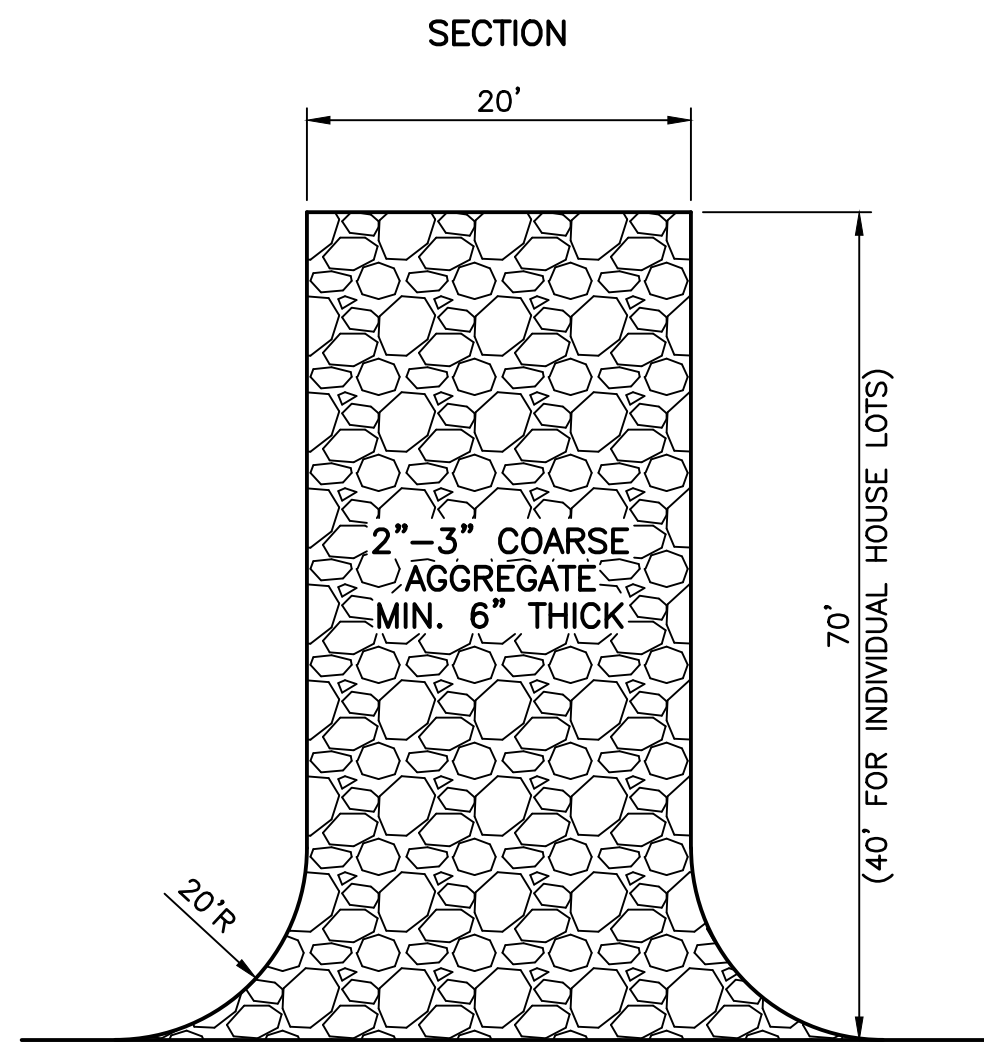
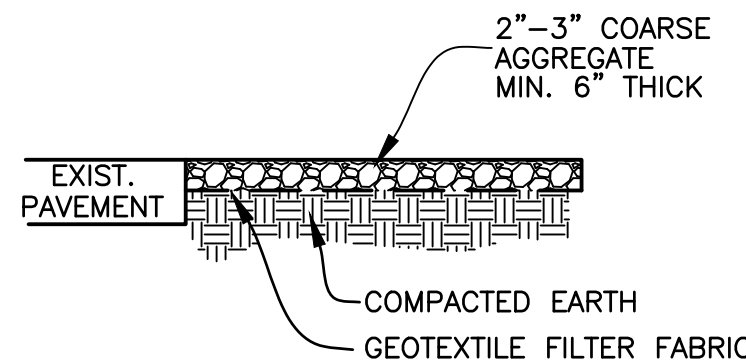
WASHOUT AREAS MUST HAVE SOME FORM OF PLASTIC LINING.

CONCRETE WASHOUT AREA NOT TO SCALE



- Inlet protection shall be constructed either before upslope land disturbance begins or before the storm drain becomes operational.
- The earth around the inlet shall be excavated completely to a depth of at least 18 in.
- The wooden frame shall be constructed of 2-by-4-in. construction-grade lumber. The 2-by-4-in. posts shall be driven 1 ft. into the ground at four corners of the inlet and the top portion of 2-by-4-in. frame assembled using the overlap joint shown. The top of the frame shall be at least 6 in. below adjacent roads if ponded water would pose a safety hazard to traffic.
- Wire mesh shall be of sufficient strength to support fabric with water fully impounded against it. It shall be stretched tightly around the frame and fastened securely to the frame.
- Geotextile shall have an equivalent opening size of 20-40 sieve and be resistant to sunlight. It shall be stretched tightly around the frame and fastened securely. It shall extend from the top of the frame to 18 in. below the inlet notch elevation. The geotextile shall overlap across one side of the inlet so the ends of the cloth are not fastened to the same post.
- Backfill shall be placed around the inlet in compacted 6-in. layers until the earth is even with notch elevation on ends and top elevation on sides.
- A compacted earth dike or a check dam shall be constructed in the ditch line below the inlet if the inlet is not in a depression and if runoff bypassing the inlet will not flow to a settling pond. The top of earth dikes shall be at least 6 in. higher than the top of the frame.

INLET PROTECTION FILTER (OR APPROVED EQUAL) IN SWALES, DITCH LINES OR YARD INLETS N.T.S.



IF MUD MAT BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PERFORMS ITS FUNCTION, THE STONE MUST BE CLEANED AND REPLACED.

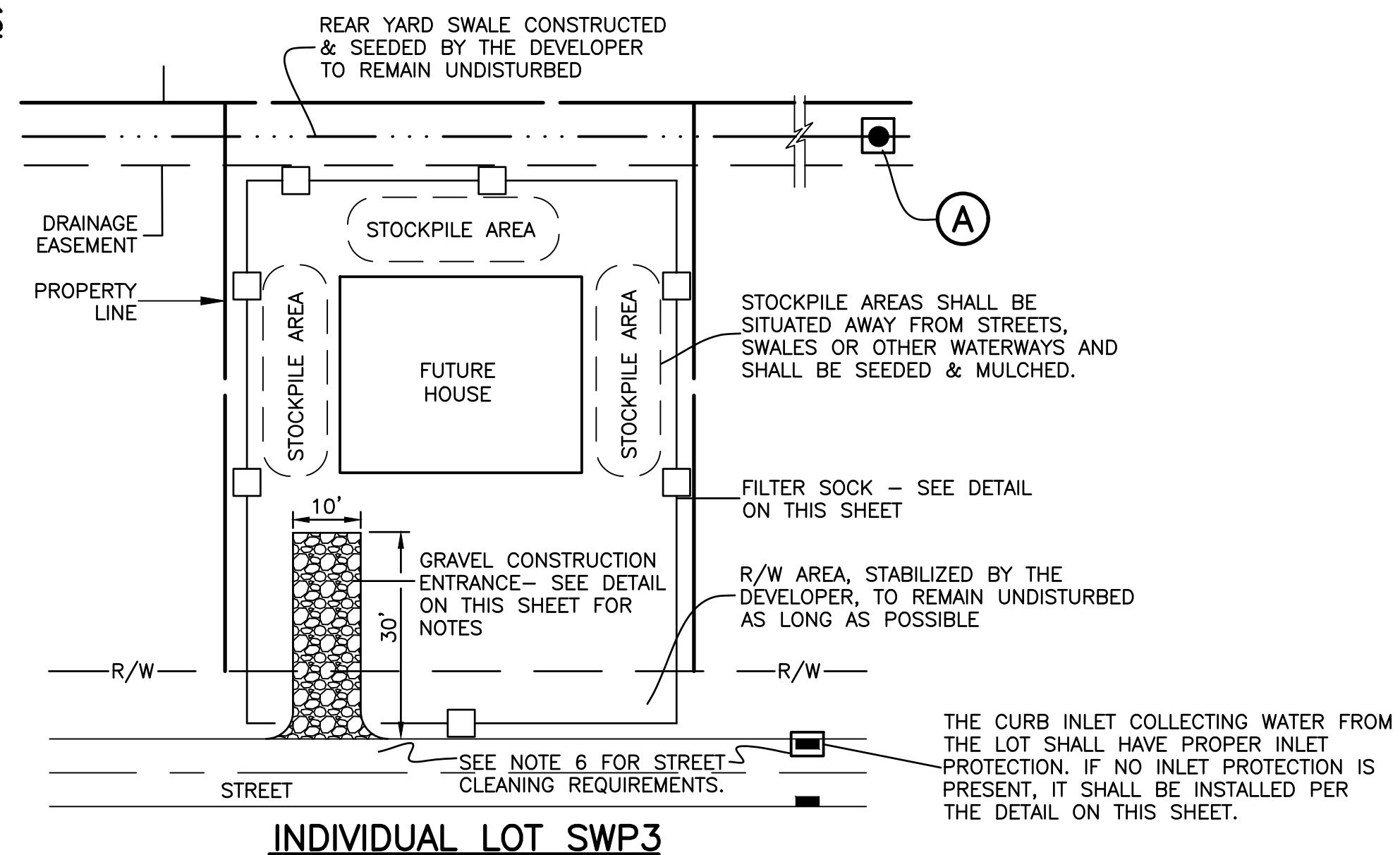
ALL EQUIPMENT LEAVING SITE MUST USE MUD MATT AND HAVE LOADS STABILIZED AND TIGHT WITH ALL LOOSE DEBRIS AND MATTER REMOVED PRIOR TO TRAVELING ON PUBLIC ROADWAYS.

ANY TRACK-OUT NOT CONTAINED BY THE MUD MAT MUST BE CLEANED UP BY THE CONTRACTOR IMMEDIATELY AFTER OCCURRENCE NO LATTER.

CONSTRUCTION ENTRANCE "MUD MAT" DETAIL NOT TO SCALE

SPECIFICATIONS FOR SMALL LOT BUILDING SITES

- Pre-existing vegetation shall be retained on idle portions of the building lot for as long as construction operations allow. Clearing shall be done so only active working areas are bare.
- Temporary seed (annual rye, oats, etc.) and/or mulch shall be applied to areas, such as stockpiles, that are bare and not actively being worked. This shall apply to areas that will not be reworked for 14 days or more.
- Stockpiles excavated from basements shall be situated away from streets, swales, or other waterways and shall be seeded and/or mulched.
- Silt fence shall control sheet flow runoff from the building lot. It shall not be constructed in channels or areas of concentrated flow. Other sediment controls such as inlet protection and sediment traps shall also be used as needed to control sediment runoff.
- Construction vehicle access shall be limited to one route, to the greatest extent practical. The access shall be gravel or crushed rock applied to the driveway area.
- Mud tracked onto the street or sediment settled around curb inlet protection shall be removed daily or as needed to prevent it from accumulating. It shall be removed by shovelling and scraping and shall NOT be washed off paved surfaces or into storm drains.



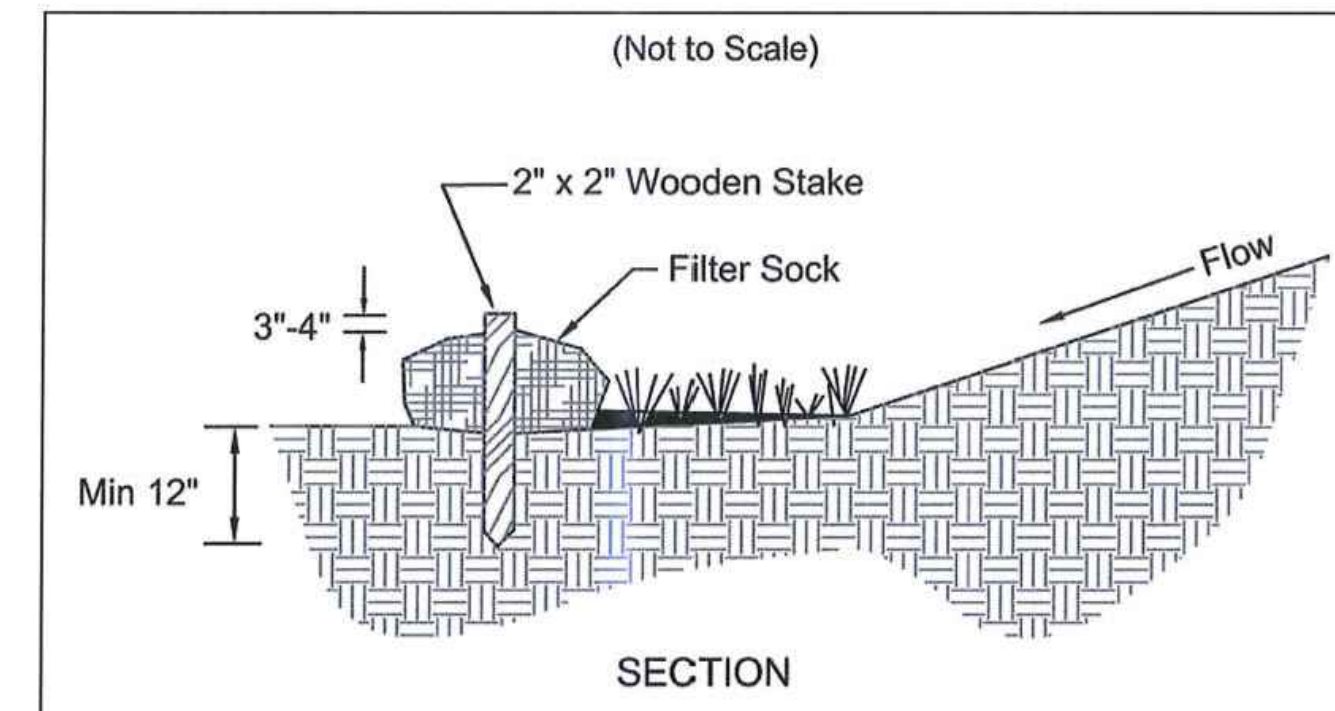
INDIVIDUAL LOT SWP3

HOME CONSTRUCTION IMPLEMENTATION SCHEDULE

SITE STABILIZATION

- PLACE TEMPORARY SEEDING ON ALL DISTURBED AREAS (DEVELOPER).
- INSTALL PRACTICES ON ALL LOTS CURRENTLY BEING CONSTRUCTED. (SEE THIS SHEET) (INDIVIDUAL HOME BUILDERS)
- FILE A NOTICE OF TERMINATION UPON FINAL STABILIZATION OF ALL CURRENTLY DISTURBED LAND. (DEVELOPER)
- REVISE THIS EPSC PRIOR TO ANY FURTHER EARTH DISTURBING ACTIVITIES. (DEVELOPER)

Specifications for Filter Sock



- Materials—Compost used for filter socks shall be weed, pathogen and insect free and free of any refuse, contaminants or other materials toxic to plant growth. They shall be derived from a well-decomposed source of organic matter and consist of a particles ranging from 3/8" to 2".
- Filter Socks shall be 3 or 5 mil continuous, tubular, HDPE 3/8" knitted mesh netting material, filled with compost passing the above specifications for compost products.
- Filter Socks are not to be used in concentrated flow situations or in runoff channels.
- Filter Socks shall be placed on a level line across slopes, generally parallel to the base of the slope or other affected area. On slopes approaching 2:1, additional socks shall be provided at the top and as needed mid-slope.
- Filter socks intended to be left as a permanent filter or part of the natural landscape, shall be seeded at the time of installation for establishment of permanent vegetation.

FILTER SOCK

CURB INLET SEDIMENT FILTER

FLEXSTORM CATCH-IT FILTERS FOR TEMPORARY INLET PROTECTION PRODUCT SELECTION AND SPECIFICATION DRAWING

MODEL	DESCRIPTION	HEIGHT	WIDTH	DEPTH	WEIGHT
11	Standard Catch-It Filter	12"	18"	18"	15 lbs.
12	Standard Catch-It Filter with 1/2" Rebar	12"	18"	18"	15 lbs.
13	Standard Catch-It Filter with 1/2" Rebar and 1/2" Mesh	12"	18"	18"	15 lbs.
14	Standard Catch-It Filter with 1/2" Rebar and 1/2" Mesh and 1/2" Mesh	12"	18"	18"	15 lbs.

INSTALLATION: 1. REMOVE GRATE. 2. DROP FLEXSTORM INLET FILTER DRAIN LOAD BEARING LIP OF CASTING DR. CONCRETE STRUCTURE. 3. REPLACE GRATE.

UNDERGROUND UTILITIES Contact Two Working Days Before You Dig

HOH0811.org Before You Dig (Non-members must be called directly)

1683 Woodlands Drive, Maumee, Ohio 43537 Phone: (419) 893-3680 Fax: (419) 893-2982 www.fellerfinch.com

FellerFinch & ASSOCIATES, INC. Engineers • Surveyors

REV. NO.	REVISION	DATE

PAVEMENT & DRAINAGE AS BUILT EPSC

FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

PROJECT: 10-10141

DESIGNED: BLW DRAWN: KSG

CHECKED: BLW REVIEWED: BLW

PROJECT: 10-10141

DRAWING: 10-10141DPO01AB

SHEET 23 OF 27

RECORD CONSTRUCTION 10/28/25

D CONSTRUCTION SEEDING

Temporary Seeding Species Selection table with columns for Seeding Dates, Species, Lb./1,000 ft.², and Per Ac.

- 1. Structural erosion- and sediment-control practices such as diversions and sediment traps... 4. Soil Amendments--Applications of temporary vegetation...

INSPECTION

Procedures in this SWP3 shall provide that all controls on the site are inspected at least once every seven calendar days and within 24 hours after any storm event greater than one-half inch of rain per 24 hour period.

The permittee shall maintain for three years following the submittal of a notice of termination form, a record summarizing the results of the inspections, names(s) and qualifications of personnel making the inspection, the date(s) of the inspection, signature of the inspector, major observations relating to the implementation of the SWP3 and a certification as to whether the facility is in compliance with the SWP3 and the permit and identify any incidents of non-compliance.

- a. When practices require repair or maintenance. If the inspection reveals that a control practice is in need of repair or maintenance... b. When practices fail to provide their intended function... c. When practices depicted on the SWP3 are not installed.

MAINTENANCE

All temporary and permanent control practice shall be maintained and repaired as needed to ensure continued performance of their intended function.

MULCHING TEMPORARY SEEDING

- 1. Applications of temporary seeding shall include mulch which shall be applied during or immediately after seeding. Seedings made during optimum seeding dates... 2. Materials: Straw--If straw is used, it shall be unrotted small-grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft.

MULCHING

Specifications for Mulching

- 1. Mulch and/or other appropriate vegetative practices shall be applied to disturbed areas within 7 days of grading... 2. Mulch shall consist of one of the following: Straw--Straw shall be unrotted small grain straw applied at the rate of 2 tons/ac. or 90 lb./1,000 sq. ft.

NON-SEDIMENT POLLUTANTS

No discharge of pollutants associated with dedicated asphalt and concrete plants are permitted on site. This includes, but is not limited to, the discharge of concrete or vehicle wash water.

No solid (other than sediment) or liquid waste, including building materials, shall be discharged in storm water runoff. All wastes must be disposed of in a proper manner in accordance with local, state & federal regulations.

Fueling and equipment maintenance shall be performed in diked areas away from drainage channels.

All contaminated soils must be treated and/or disposed of in Ohio EPA approved solid waste management facilities. If hazardous substances such as oil, diesel fuel, anti-freeze, etc. are leaked onto the soil, the soil should be dug up and disposed of at the local licensed landfill.

Open burning of waste materials will not be permitted.

All materials stored on site shall be limited to areas which are protected to minimize the exposure of such materials to storm water.

C PERMANENT SEEDING

SITE PREPARATION

- 1. A subsoiler, plow or other implement shall be used to reduce soil compaction and allow maximum infiltration. (Maximizing infiltration will help control both runoff rate and water quality.) Subsoiling should be done when the soil moisture is low enough to allow the soil to crack or fracture.

SEEDBED PREPARATION

- 1. Lime--Agricultural ground limestone shall be applied to acid soil as recommended by a soil test. In lieu of a soil test, lime shall be applied at the rate of 100 lb./1,000 sq. ft. or 2 tons/ac.

SEEDING DATES AND SOIL CONDITIONS

Seeding should be done March 1 to May 31 or Aug 1 to September 30. These seeding dates are ideal but, with the use of additional mulch and irrigation, seedings may be made any time throughout the growing season.

MULCHING

- 1. Mulch material shall be applied immediately after seeding. Seedings made during optimum seeding dates and with favorable soil conditions and on very flat areas may not need mulch to achieve adequate stabilization.

Straw mulch shall be anchored immediately to minimize loss by wind or water.

- Mechanical--A disk, crimper, or similar type tool shall be set straight to punch or anchor the mulch material into the soil. Straw mechanically anchored shall not be finely chopped but, generally, be left longer than 6 in.

dry enough to crumble and not form ribbons when compressed by hand. For winter seeding, see the following section on dormant seeding.

DORMANT SEEDINGS.

- 1. Seedings shall not be planted from October 1 through November 20. During this period the seeds are likely to germinate but probably will not be able to survive the winter.

- From October 1 through November 20, prepare the seedbed, add the required amounts of lime and fertilizer, then mulch and anchor.

- From November 20 through March 15, when soil conditions permit, prepare the seedbed, lime and fertilize, apply the selected seed mixture, mulch and anchor. Increase the seeding rates by 50% for this type of seeding.

- Apply seed uniformly with a cyclone seeder, drill, cultipacker seeder, or hydro-seeder (slurry may include seed and fertilizer) on a firm, moist seedbed.

- Where feasible, except when a cultipacker type seeder is used, the seedbed should be firmed following seeding operations with a cultipacker, roller, or light drag.

- Asphalt Emulsion--Asphalt shall be applied as recommended by the manufacturer or at the rate of 160 gal./ac.

- Synthetic Binders--Synthetic binders such as Acrylic DLR (Agri-Tac), DCA-70, Petroset, Terra Tack or equal may be used at rates recommended by the manufacturer.

- Wood Cellulose Fiber--Wood cellulose fiber binder shall be applied at a net dry weight of 750 lb./ac. The wood cellulose fiber shall be mixed with water and the mixture shall contain a maximum of 50 lb./100 gal. of wood cellulose fiber.

- 1. Permanent seeding shall include irrigation to establish vegetation during dry or hot weather or on adverse site conditions as needed for adequate moisture for seed germination and plant growth.

- 2. Excessive irrigation rates shall be avoided and irrigation monitored to prevent erosion and damage from runoff.

Permanent Seeding table with columns for Seed Mix, Seeding Rate (lb./ac., lb./1,000ft.²), and Notes.

- 1. Permanent seeding shall not be considered established for at least 1 full yr. from the time of planting. Seeded areas shall be inspected for failure and vegetation reestablished as needed.

Maintenance for Permanent Seedings table with columns for Mixture, Formula, lb./ac., lb./1,000 ft.², Time, and Mowing.

NOTES: IF SEASONAL CONDITIONS PROHIBIT THE ESTABLISHMENT OF VEGETATIVE COVER, OTHER METHODS OF STABILIZATION SUCH AS MULCHING WITH A TACKIFIER OR MATTING, MUST BE EMPLOYED AND MAINTAINED UNTIL A MORE PERMANENT METHOD CAN BE IMPLEMENTED.

STORMWATER CONTROLS (INLET PROTECTION, PERIMETER CONTROLS, SKIMMER, ECT.) STAY IN PLACE THROUGHOUT THE HOME BUILDING PHASE.

Table 1: Permanent Stabilization

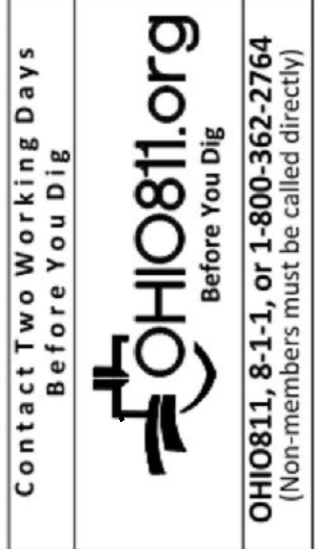
Table 1: Permanent Stabilization table with columns for Area requiring permanent stabilization and Time frame to apply erosion controls.

Table 2: Temporary Stabilization

Table 2: Temporary Stabilization table with columns for Area requiring temporary stabilization and Time frame to apply erosion controls.

Where vegetative stabilization techniques may cause structural instability or are otherwise unobtainable, alternative stabilization techniques must be employed. Permanent and temporary stabilization are defined in Part VII.

RECORD CONSTRUCTION 10/28/25

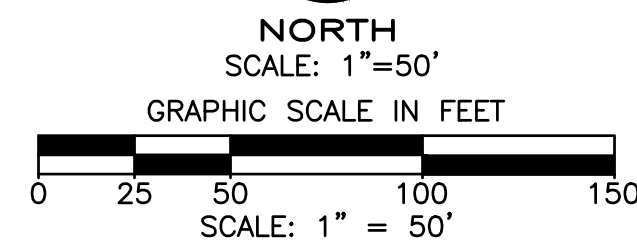
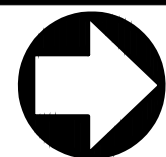


1683 Woodlands Drive, Maumee, Ohio 43537 Phone: (419) 893-3680 Fax: (419) 893-2982 www.fellerfinch.com

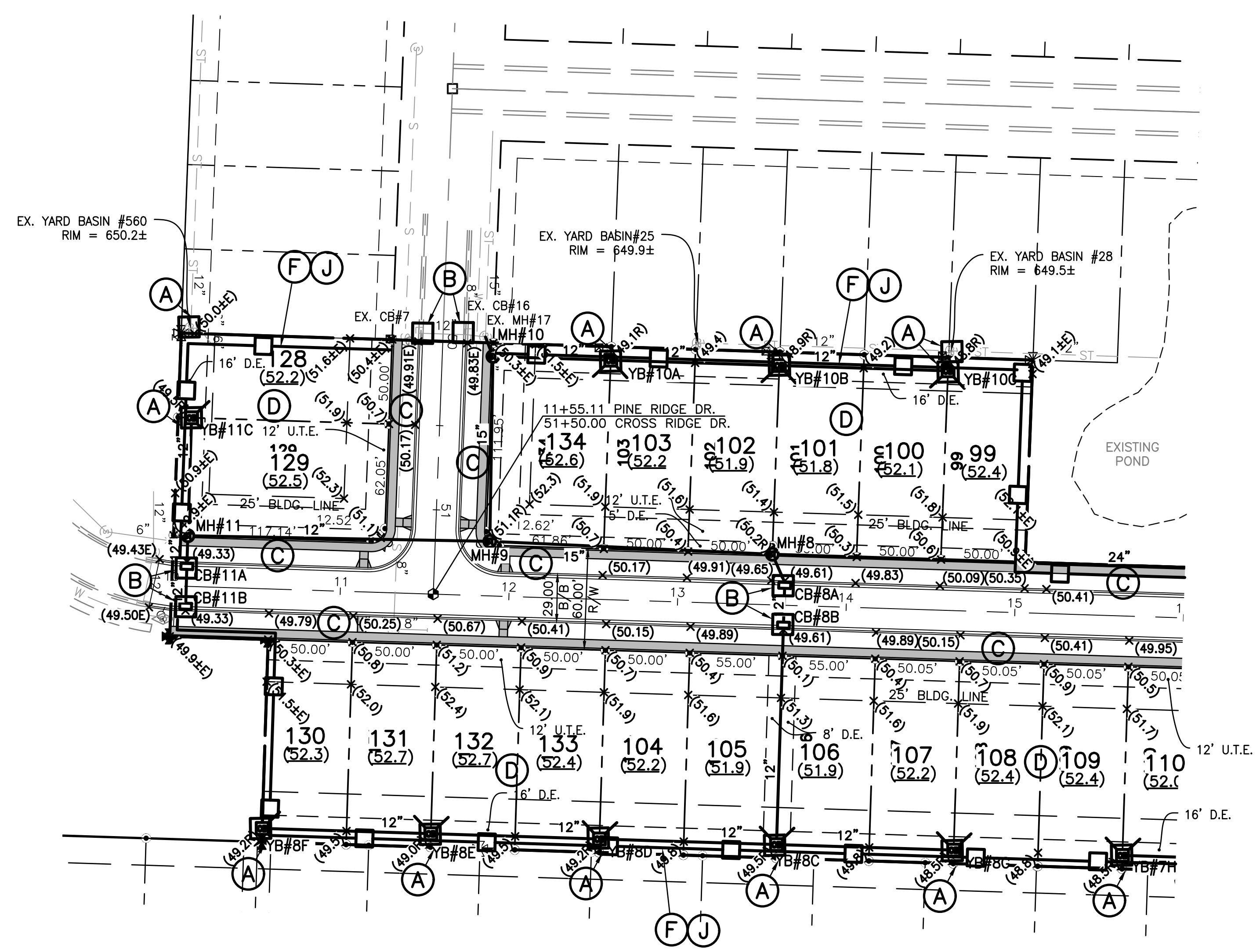
Table with columns for REVISION and DATE.

PAVEMENT & DRAINAGE AS BUILT EPSC FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYBURG, WOOD COUNTY, OHIO

Table with project details including SIGNED, DATE, SCALE, DESIGNED, CHECKED, DRAWING, and SHEET 24 OF 27.



EASEMENT ABBREVIATIONS
 D.E. DRAINAGE EASEMENT
 U.T.E. UTILITY & TOLEDO EDISON EASEMENT



SOILS MAP
 HoA = HOYTVILLE CLAY LOAM

SEE SHEETS 23&24 FOR EROSION CONTROL NOTES AND DETAILS.
 SEE SHEET 7 FOR PROP. WATER QUALITY OUTLET STRUCTURE.

NOTE:
 1. NO SURFACE WATER SHALL BE ALLOWED TO RUN OFF THE SITE UNTIL FINAL GRADING IS COMPLETED. THE CONTRACTOR SHALL DIVERT ALL SURFACE WATER TO THE EXISTING BASIN AS REQUIRED.
 2. THE HOME BUILDER SHALL INSTALL AND MAINTAIN A "GRAVEL CONSTRUCTION ENTRANCE" TO CONTROL THE TRACKING OF DEBRIS ONTO PUBLIC ROADS. IT SHALL CONSIST OF A MINIMUM OF 6" OF 2" TO 3" SIZE STONE, 20 FEET WIDE AND 40 FEET IN LENGTH. THE LUMP SUM PRICE BID FOR ITEM 207 "TEMPORARY CONSTRUCTION ENTRANCE" SHALL INCLUDE ALL COSTS FOR INSTALLATION AND REMOVAL AS REQUIRED.
 3. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A "GRAVEL CONSTRUCTION ENTRANCE" WHERE PROPOSED ROAD MEETS EXISTING ROAD. IT SHALL CONSIST OF A MINIMUM OF 6" OF 2" TO 3" SIZE STONE, 20 FEET WIDE AND 70 FEET IN LENGTH. THE LUMP SUM PRICE BID FOR ITEM 207 "TEMPORARY CONSTRUCTION ENTRANCE" SHALL INCLUDE ALL COSTS FOR INSTALLATION AND REMOVAL AS REQUIRED.
 4. LAWN INSTALLERS WILL BE REQUIRED TO CERTIFY THAT FERTILIZER APPLICATION RATES WILL NOT BE APPLIED IN EXCESS OF THE PHOSPHORUS LOADING RATE NECESSARY TO ESTABLISH NEW LAWN AND LANDSCAPING.

NOTE:
 DEVELOPER SHALL BE RESPONSIBLE FOR CLEANING STORM LINES LEADING TO SEDIMENT PONDS AND THE LINES BETWEEN THE NORTH AND EAST POND THROUGH THE END OF THE HOME CONSTRUCTION PHASE.

- INLET PROTECTION FILTER (OR APPROVED EQUAL) (A)
- CURB INLET SEDIMENT FILTER (B)
- PERMANENT SEEDING AND MULCHING (C)
- CONSTRUCTION SEEDING (D)
- CONSTRUCTION ENTRANCE (E)
- PERIMETER CONTROLS (F, J)
- CONCRETE WASHOUT AREA (G)
- MATERIAL STORAGE AREA (H)
- SWP3 RECORD LOCATION (I)

SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE AS PER ODOT SPECIFICATION ITEM 659, USING SEEDING MIXTURE: 90% PERENNIAL RYEGRASS (LOLIUM PERRENNE) 10% ALSIKE CLOVER (TRIFOLIUM HYBRIDUM). SEEDING AND MULCHING SHALL INCLUDE ALL PROPOSED RIGHTS OF WAY, EASEMENTS, AND ALL DISTURBED AREAS WITHIN EXISTING CITY OF PERRYSBURG RIGHTS OF WAY.

- CONSTRUCTION SEEDING AND MULCHING SHALL BE COMPLETED ON ALL DISTURBED AREAS WITHIN SEVEN (7) DAYS IF THESE AREAS ARE TO REMAIN UNDISTURBED FOR MORE THAN 14 DAYS.
- PERMANENT OR CONSTRUCTION SEEDING AND MULCHING SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
- WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF CONSTRUCTION OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING & MATTING SHALL BE USED.

NOTE:
 A COMPLETE SWP3 PACKET SHOULD BE AVAILABLE ONSITE AT A MAILBOX OR JOB TRAILER AT ALL TIMES DURING WORKING HOURS. THE SWP3 PACKET SHALL INCLUDE:
 • THE SWP3 PLANS
 • A COPY OF THE NOI AND APPROVAL FROM THE EPA
 • INSPECTION LOGS OF WEEKLY INSPECTIONS AND INSPECTIONS AFTER A 1/2" RAIN EVENT.
 • SUB-CONTRACTOR SIGN-OFF LOGS, SHARING AWARENESS OF THE SWP3

____ SHALL BE IN CHARGE OF ALL INSPECTIONS AND FELLER, FINCH & ASSOCIATES, INC. SHALL BE IN CHARGE OF REVISIONS DURING CONSTRUCTION.

BENCH MARK DATA

WOOD COUNTY BENCH MARK
 MCO668 USGS SURVEY DISC IN CONCRETE MONUMENT SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE ROAD & FIVE POINT ROAD
 ELEVATION 650.10
SITE BENCH MARK #82
 RIM OF STORM MANHOLE @ STATION 29+96.77, 25.91' RT. FALLING WATERS EDGE
 ELEVATION 649.20
SITE BENCH MARK #51
 RIM OF STORM MANHOLE @ STATION 39+82.03, 24.17' LT. HOMESTEAD DRIVE
 ELEVATION 649.64

LEGEND

- EXISTING GROUND ELEVATIONS +000.00
- EXISTING CONTOURS -000-
- PROPOSED ELEVATIONS (00.0)
- PROPOSED ELEVATIONS AT HOUSE (00.0)
- PROPOSED RIM ELEVATION (00.0R)
- PROPOSED = EXISTING (00.0E)
- ADD 600.00 TO ALL PROPOSED SPOT ELEVATIONS.
- ALL PAVEMENT GRADES ARE TOP OF CURB.
- = IRON PIPE (BY SURVEYOR)
- ⊙ = MONUMENT ASSEMBLY (ODOT RM-1.1) BY CONTRACTOR
- ⊗ = MONUMENT ASSEMBLY (WOOD CO. TYPE A) BY SURVEYOR
- ⊗ = EXISTING MONUMENT ASSEMBLY (WOOD CO. TYPE A)
- = 5' CONCRETE WALK & RAMPS BY OTHERS

RECORD CONSTRUCTION 10/28/25

NAME _____ DATE _____

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig
 HOH0811.org
 Before You Dig
 HOH0811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

1683 Woodlands Drive,
 Maumee, Ohio 43537
 Phone: (419) 893-3680
 Fax: (419) 893-2982
 www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
 Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: PAVEMENT & DRAINAGE AS BUILT EPSC
 PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

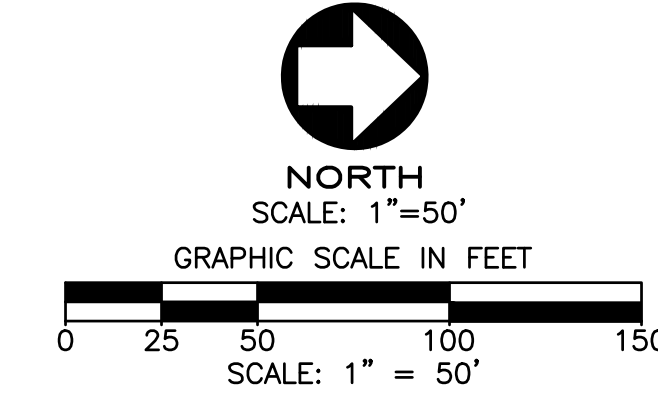
SIGNED	
DATE	
SCALE	AS NOTED
DATE	11.3.2025
DESIGNED	BLW
DRAWN	KSG
CHECKED	BLW
REVIEWED	BLW
PROJECT	10-10141
DRAWING	10-10141DPO01AB
SHEET	25 OF 27

P:\Projects\10E10141-The Falls at Rivers Edge-Perrysburg Ohio-Preliminary_Dwg\10-10141DPO01AB.dwg, 25, 11/3/2025 12:03:06 PM, pawicki

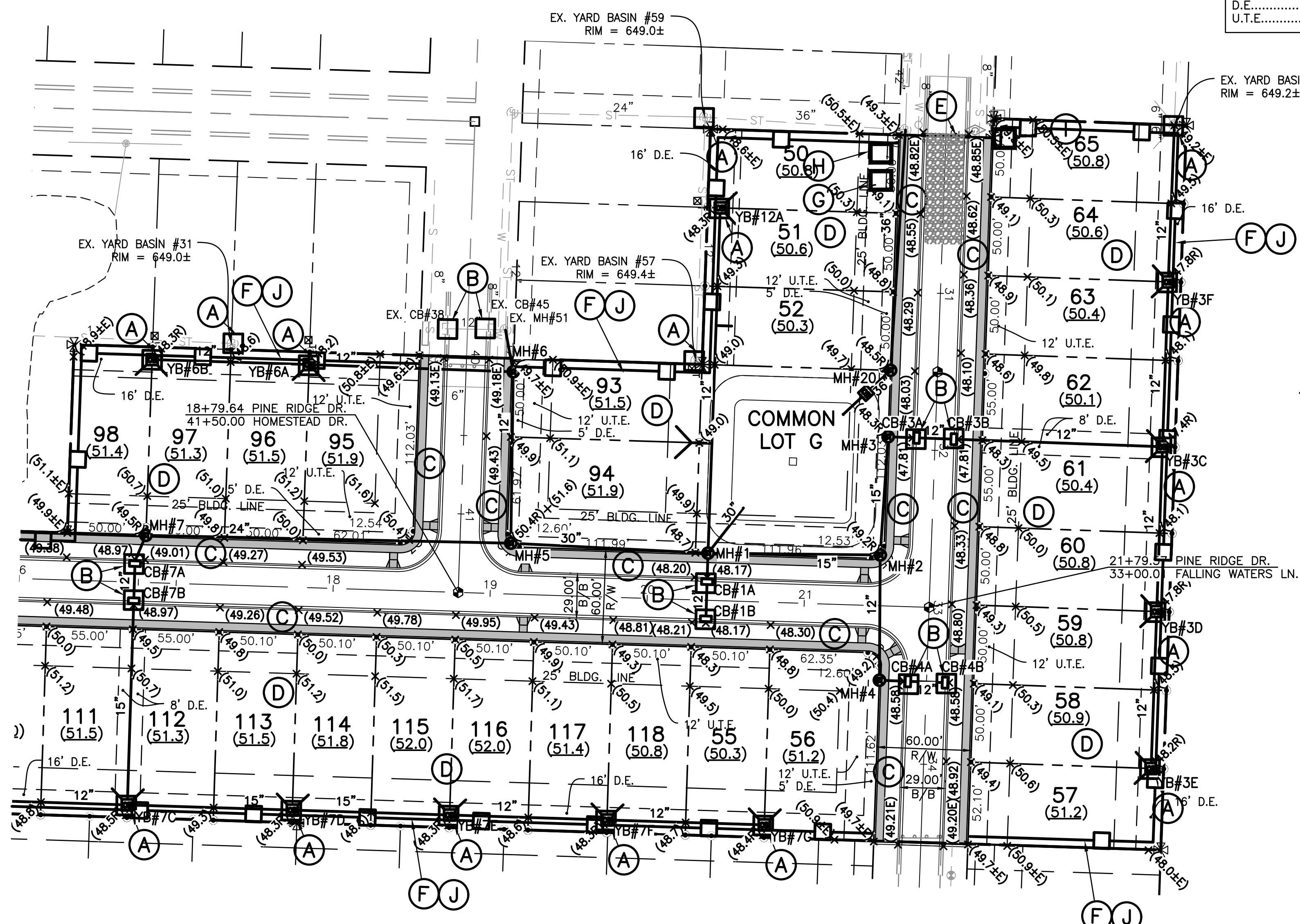
REV. NO.	REVISION	DATE

TITLE: PAVEMENT & DRAINAGE AS BUILT
PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

SIGNED	
DATE	
SCALE	AS NOTED
DATE	11.3.2025
DESIGNED: BLW	DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW
PROJECT:	10-10141
DRAWING:	10-10141DPO01AB
SHEET	26 OF 27



EASEMENT ABBREVIATIONS
D.E. DRAINAGE EASEMENT
U.T.E. UTILITY & TOLEDO EDISON EASEMENT



SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE AS PER ODOT SPECIFICATION ITEM 659, USING SEEDING MIXTURE: 90% PERENNIAL RYEGRASS (LOLIUM PERENNE) 10% ALSIKE CLOVER (TRIFOLIUM HYBRIDUM). SEEDING AND MULCHING SHALL INCLUDE ALL PROPOSED RIGHTS OF WAY, EASEMENTS, AND ALL DISTURBED AREAS WITHIN EXISTING CITY OF PERRYSBURG RIGHTS OF WAY.

1. CONSTRUCTION SEEDING AND MULCHING SHALL BE COMPLETED ON ALL DISTURBED AREAS WITHIN SEVEN (7) DAYS IF THESE AREAS ARE TO REMAIN UNDISTURBED FOR MORE THAN 14 DAYS.
2. PERMANENT OR CONSTRUCTION SEEDING AND MULCHING SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
3. WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF CONSTRUCTION OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING & MATTING SHALL BE USED.

BENCH MARK DATA

WOOD COUNTY BENCH MARK
MC0668 USGS SURVEY DISC IN CONCRETE MONUMENT SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE ROAD & FIVE POINT ROAD
ELEVATION 650.10
SITE BENCH MARK #82
RIM OF STORM MANHOLE @ STATION 29+96.77, 25.91' RT. FALLING WATERS EDGE
ELEVATION 649.20
SITE BENCH MARK #51
RIM OF STORM MANHOLE @ STATION 39+82.03, 24.17' LT. HOMESTEAD DRIVE
ELEVATION 649.64

LEGEND

- EXISTING GROUND ELEVATIONS. x000.00
EXISTING CONTOURS. -000-
PROPOSED ELEVATIONS. (00.0)
PROPOSED ELEVATIONS AT HOUSE. (00.0)
PROPOSED RIM ELEVATION. (00.0R)
PROPOSED = EXISTING. (00.0E)
ADD 600.00 TO ALL PROPOSED SPOT ELEVATIONS.
ALL PAVEMENT GRADES ARE TOP OF CURB.
- = IRON PIPE (BY SURVEYOR)
 - ⊕ = MONUMENT ASSEMBLY (ODOT RM-1.1) BY CONTRACTOR
 - ⊗ = MONUMENT ASSEMBLY (WOOD CO. TYPE A) BY SURVEYOR
 - ⊗ = EXISTING MONUMENT ASSEMBLY (WOOD CO. TYPE A)
 - = 5' CONCRETE WALK & RAMPS BY OTHERS

IMPLEMENTATION SCHEDULE

- Phase I**
SITE PREPARATION PHASE
ESTIMATED START: JANUARY 2025;
ESTIMATED COMPLETION: JANUARY 2025
- INSTALL SILT FENCE
 - INSTALL CONSTRUCTION ENTRANCE
 - CLEAR AND GRUB SITE
 - INSTALL SEDIMENT CONTROLS WITHIN 7 DAYS OF CLEARING AND GRUBBING
 - STABILIZATION REQUIRED IF AREAS BECOME INACTIVE FOR 14 DAYS OR LONGER
 - THE STORMWATER CONTROLS WILL REMAIN FOR THE DURATION OF THE CONSTRUCTION

- Phase II**
SITE UTILITY AND STREET PHASE
ESTIMATED START: JANUARY 2025;
ESTIMATED COMPLETION: JUNE 2025
- INSTALL UNDERGROUND UTILITIES
 - INSTALL INLET CONTROLS
 - INSTALL CONCRETE WASHOUT
 - EXCAVATE AND BUILD ROADWAY
 - GRADE BACK OF CURB AND SWALES
 - COMPLETE ROUGH GRADING
 - INSTALL TEMPORARY SEEDING
 - STABILIZATION WILL BE REQUIRED DURING THIS PHASE
 - STORMWATER CONTROLS WILL REMAIN FOR DURATION OF THE CONSTRUCTION

- Phase III**
HOME BUILDING AND SITE FINISHES
ESTIMATED START: JUNE 2025;
ESTIMATED COMPLETION: JUNE 2026
- HOME BUILDER APPLY FOR INDIVIDUAL LOT NOTICE OF INTENT (NOI)
 - BUILD HOUSES
 - COMPLETE FINAL GRADING
 - INSTALL PERMANENT SEEDING
 - HOME BUILDER SUBMIT INDIVIDUAL LOT NOTICE OF TERMINATION (NOT) AS LOTS ARE STABILIZED
 - DEVELOPER SUBMIT ENTIRE SITE NOT
 - STABILIZATION WILL BE REQUIRED DURING AND AFTER THIS PHASE

- INLET PROTECTION FILTER (OR APPROVED EQUAL) (A)
- CURB INLET SEDIMENT FILTER (B)
- PERMANENT SEEDING AND MULCHING (C)
- CONSTRUCTION SEEDING (D)
- CONSTRUCTION ENTRANCE (E)
- PERIMETER CONTROLS (F, J)
- CONCRETE WASHOUT AREA (G)
- MATERIAL STORAGE AREA (H)
- SWP3 RECORD LOCATION (I)

NOTE:
DEVELOPER SHALL BE RESPONSIBLE FOR CLEANING STORM LINES LEADING TO SEDIMENT PONDS AND THE LINES BETWEEN THE NORTH AND EAST POND THROUGH THE END OF THE HOME CONSTRUCTION PHASE.

NOTE:
A COMPLETE SWP3 PACKET SHOULD BE AVAILABLE ONSITE AT A MAILBOX OR JOB TRAILER AT ALL TIMES DURING WORKING HOURS. THE SWP3 PACKET SHALL INCLUDE:

- THE SWP3 PLANS
- A COPY OF THE NOI AND APPROVAL FROM THE EPA
- INSPECTION LOGS OF WEEKLY INSPECTIONS AND INSPECTIONS AFTER A 1/2" RAIN EVENT.
- SUB-CONTRACTOR SIGN-OFF LOGS, SHARING AWARENESS OF THE SWP3

_____ SHALL BE IN CHARGE OF ALL INSPECTIONS AND FELLER, FINCH & ASSOCIATES, INC. SHALL BE IN CHARGE OF REVISIONS DURING CONSTRUCTION.

TYPE OF CONSTRUCTION:	SINGLE FAMILY RESIDENTIAL
PLAT AREA:	9.74 AC.
AREA DISTURBED:	9.74 AC.
PRE-CONSTRUCTION RUNOFF COEFFICIENT:	0.1
POST-CONSTRUCTION RUNOFF COEFFICIENT:	0.55
IMPERVIOUS AREA:	3.70 AC.
% IMPERVIOUS AFTER CONSTRUCTION:	38%
SOIL TYPE (HYDROLOGIC GROUP):	C/D
PRIOR LAND USE:	VACANT FIELD
RECEIVING STREAM:	FT. MEIGS ROAD DITCH & ROACHTON ROAD DITCH
WATERSHED:	GRASSY CREEK DIVERSION CHANNEL

- NOTE:**
1. NO SURFACE WATER SHALL BE ALLOWED TO RUN OFF THE SITE UNTIL FINAL GRADING IS COMPLETED. THE CONTRACTOR SHALL DIVERT ALL SURFACE WATER TO THE EXISTING BASIN AS REQUIRED.
 2. THE HOME BUILDER SHALL INSTALL AND MAINTAIN A "GRAVEL CONSTRUCTION ENTRANCE" TO CONTROL THE TRACKING OF DEBRIS ONTO PUBLIC ROADS. IT SHALL CONSIST OF A MINIMUM OF 6" OF 2" TO 3" SIZE STONE, 20 FEET WIDE AND 40 FEET IN LENGTH.
 3. THE CONTRACTOR SHALL INSTALL AND MAINTAIN A "GRAVEL CONSTRUCTION ENTRANCE" WHERE PROPOSED ROAD MEETS EXISTING ROAD. IT SHALL CONSIST OF A MINIMUM OF 6" OF 2" TO 3" SIZE STONE, 20 FEET WIDE AND 70 FEET IN LENGTH. THE LUMP SUM PRICE BID FOR ITEM 207 "TEMPORARY CONSTRUCTION ENTRANCE" SHALL INCLUDE ALL COSTS FOR INSTALLATION AND REMOVAL AS REQUIRED.
 4. LAWN INSTALLERS WILL BE REQUIRED TO CERTIFY THAT FERTILIZER APPLICATION RATES WILL NOT BE APPLIED IN EXCESS OF THE PHOSPHORUS LOADING RATE NECESSARY TO ESTABLISH NEW LAWN AND LANDSCAPING.

SEE SHEETS 23&24 FOR EROSION CONTROL NOTES AND DETAILS.

SEE SHEET 7 FOR PROP. WATER QUALITY OUTLET STRUCTURE.

SANITARY SEWER AS BUILT
FOR

FALLS AT RIVERS EDGE PLAT 4

CITY OF PERRYSBURG, WOOD COUNTY, OHIO
0 FORT MEIGS ROAD

INDEX OF SHEETS

TITLE SHEET1
GENERAL NOTES AND DETAILS	2-5
PLAN AND PROFILE	6-8

BENCH MARK DATA

WOOD COUNTY BENCH MARK
MCO668 USGS SURVEY DISC IN CONCRETE MONUMENT
SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE
ROAD & FIVE POINT ROAD.

ELEVATION 650.10

SITE BENCH MARK #82
RIM OF STORM MANHOLE @ STATION 29+96.77, 25.91' RT.
FALLING WATERS EDGE

ELEVATION 649.20

SITE BENCH MARK #51
RIM OF STORM MANHOLE @ STATION 39+82.03, 24.17' LT.
HOMESTEAD DRIVE

ELEVATION 649.64



KEY MAP
SCALE: 1"=150'
NORTH

KEEP ALL MANHOLES, VALVE BOXES AND
APPURTENANCES OUT OF THE SIDEWALKS,
DRIVEWAYS AND PAVED AREAS.

SANITARY SEWER SUMMARY

ITEM	QTY.	UNIT	DESCRIPTION
603	393	FT.	6" CONDUIT, TYPE B
603	48	FT.	8" CONDUIT, TYPE B
603	711	FT.	6" CONDUIT, TYPE C
603	1,402	FT.	8" CONDUIT, TYPE C
604	177.32	VERT. FT.	6" RISER
604	62.76	VERT. FT.	SANITARY MANHOLE INCLUDING CASTING (7)
604	1	EACH	SANITARY MANHOLE ADJUSTED TO GRADE
NON BID ITEMS			
	19	EACH	6" ON 6" DBL. WYE
	18	EACH	6" ON 6" TEE
	1	EACH	6" ON 8" INSERTA TEE
	47	EACH	6" PLUG

APPROVALS:

Matt Choma 2/10/2025
CITY OF PERRYSBURG
DIRECTOR OF PUBLIC UTILITIES
MATT CHOMA, P.E. DATE

Jerry Greiner 2/14/25
NORTHWESTERN WATER & SEWER DISTRICT DATE
EXECUTIVE DIRECTOR
JERRY GREINER

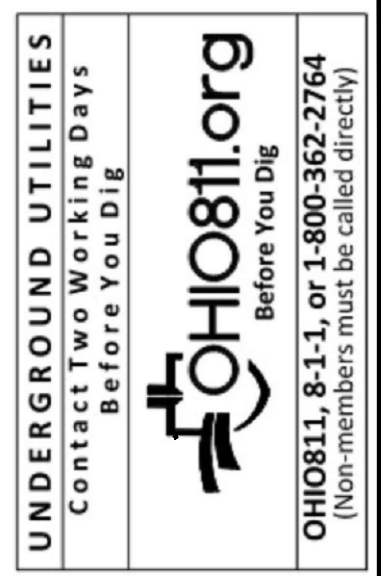
DEVELOPED BY:
GROUND SOLUTIONS
25559 ECKEL ROAD
PERRYSBURG, OHIO 43551
(419) 467-3357
MATT.GROUNDSOLUTIONS@GMAIL.COM

Matt Feller
NAME DATE 2-7-25
PRESIDENT

CONVENTIONAL SIGNS

	PROPOSED	EXISTING
SANITARY SEWER	—S—	-S-
STORM SEWER	—ST—	-ST-
WATERLINE	—W—	-W-
SANITARY MANHOLE	●	●
STORM MANHOLE	⊙	⊙
CATCH BASIN	⊞	⊞
YARD BASIN	⊕	⊕
WATER VALVE IN MANHOLE	⊗	⊗
HYDRANT	⊕	⊕
CENTERLINE	—C—	-C-
TYPE A MONUMENT	✱	✱
TYPE B MONUMENT	✱	✱
IRON PIPE	•	•

RECORD CONSTRUCTION 10/28/25



1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch & Associates, Inc.
Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: SANITARY SEWER AS BUILT
TITLE SHEET

PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO



Brian Weddelman
SIGNED DATE 2/10/2025

SCALE: AS NOTED
DATE: 11.3.2025
DESIGNED: BLW DRAWN: KSG
CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141
DRAWING: 10-10141SPO0A1AB

PART 1 GENERAL

1.1 SUMMARY

- A. Sanitary sewers, 48 inches in diameter and smaller.
B. Pavement for local roads.
C. Audio-DVD/CD taping of existing and new storm sewer interiors.

1.2 STANDARDS

- A. All materials and construction shall be in accordance with the Standards and Specifications of the City of Perrysburg...
B. All references to Standards and Specifications are to the latest edition, unless otherwise noted.
C. The City's Pavement and Sanitary Sewer Standard Details apply to these specifications.

1.3 PRE-CONSTRUCTION MEETINGS, INSPECTION, AND PERMITS

- A. The Department of Public Utilities (419-872-8050), shall be notified seven calendar days prior to the beginning of actual construction.
B. Any work within the City's public rights-of-way requires a Street Opening Permit which is obtained from the City's Department of Public Utilities Office...
C. All sanitary sewer installation and testing shall be inspected by the City or its representative.
D. The City or its representative shall be present during all sanitary sewer TV inspection and taping.

1.4 DEFINITIONS

- A. Bedding: Material placed under, beside and directly over the pipe for the full width of the trench, from a depth of 4 inches below the outside bottom of the pipe barrel, when the pipe is laid on its final grade, up to a horizontal plane a distance of 12 inches above the top of the pipe barrel.

1.5 REGULATORY REQUIREMENTS

C:\Users\insomms\Downloads\Sanitary Specifications.docx

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

- A. Construction operations shall comply with the City's Noise and Vibration Control Ordinance, Section 634.11, as follows:
1. No person shall use any pile driver, shovel, hammer derrick, hoist tractor, roller or other mechanical apparatus operated by fuel or electric power in building or construction operations between 10:00 p.m. and 6:00 a.m. of the next day in a residential area or within 500 feet of a school or church, except for temporary conditions approved by the Director of Public Service.
2. No person shall perform any construction or repair work on any structure or building, or perform any excavation or road work, when such work entails the use of any power operated construction type device in such a manner that the noise created thereby substantially exceeds the noise customarily and necessarily attendant to the reasonable and efficient performance of such equipment.
3. Whoever violates any of the provisions of this section is guilty of a minor misdemeanor for a first offense and a misdemeanor of the fourth degree for any subsequent offense. Punishment shall be as provided in Ordinance Section 698.02.

- B. In accordance with Codified 1040.07, Rule 24 of the City's Streets, Utilities, and Public Services Code, "The sewer contractor shall be required, for two years after the completion of the work, to make any necessary repairs, including filling and seeding if settlement occurs." The sewer contractor is the Contractor responsible for the performance of the Work.

1.6 QUALITY ASSURANCE

- A. Pipe Sewers, Manholes and Appurtenances:
1. The manufacturer shall furnish an affidavit indicating that all pipe, fittings, manholes, and appurtenances have been manufactured and tested in accordance with the requirements of the applicable referenced Standards. A copy of the affidavit, indicating the project on which the material is to be used, shall be forwarded to the City prior to construction.
2. All pipes, fittings, manholes, and appurtenances shall be appropriately marked for identification purposes. The materials and methods of manufacture, and completed pipes, fittings, manholes, and appurtenances shall be subject to inspection and rejection at all times. The City has the right to make all inspections.
B. Pipe Sewer Inspection:
1. Contractor shall have a minimum of 5 years experience in inspection of pipeline sewers in addition to TV-DVD/CD and surimetry reports.
2. Perform Work in accordance with the latest standards for TV-DVD/CD recording procedures.
3. Operation of equipment shall be controlled from above ground.
4. The City shall have access to view monitor at all times.

- 5. Inspection shall include pipe sewers from manhole to manhole.
6. New sewers and existing sewers shall have its own separate DVD/CD and separate documentation.
7. Label new and/or existing accordingly for all documentation.

1.7 RESTORATION

- A. All existing features that are disturbed due to construction activities, such as mailboxes, shrubs, bushes, guardrails, pavement markings, swales, sewers, catch basins, curbs, seeded areas, etc. shall be replaced to their original condition, unless otherwise specified, in accordance with current ODOT specifications and to the satisfaction of the City. Existing survey monuments, bench marks, property corner points, and control points damaged or disturbed by construction shall be replaced by a registered land surveyor, licensed in the State of Ohio.
B. Restoration of street openings shall be in accordance with the City's Standard Street Opening Repair Details.
C. In existing streets, provide a temporary pavement upon completion of backfilling operations and maintain same until the permanent pavement can be placed. Temporary pavement shall be a minimum 2-inch thick asphalt concrete mix in accordance with ODOT Item 614.13.
D. Regrade and reshape all road shoulders and all ditches and swales from existing high points to existing drainage structures or other outlets along the proposed improvement. Ditches, which are reshaped, shall have reasonable side slopes. Vertical or steep slopes will not be permitted.

- E. Seed all disturbed earth areas using the hydrosed method or placement of sod, both seed mixture and sod type shall be as approved by the City.
F. Residential Drives: minimum 6 inch thick or match existing.

1.8 DESIGN REQUIREMENTS

- A. Sewers shall be of PVC plastic pipe and fittings.
B. The following are the minimum permissible slopes at which sanitary sewers shall be installed:

Table with 3 columns: Pipe Diameter, Minimum Slope in Feet per 100 feet. Rows include 6 inch (1.00), 8 inch (0.40), 10 inch (0.28), 12 inch (0.22), 15 inch (0.15), 18 inch (0.12), 21 inch (0.10), 24 inch (0.08).

PART 3 EXECUTION

3.1 SANITARY SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 (as modified by these specifications) and the requirements of these specifications.
B. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
C. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
D. Construct concrete encasement for sewers under creeks.
E. Install pipe at a minimum 10 foot horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the main as possible.
F. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, driveways, sidewalks, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in a minimum 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.

2.6 MONUMENT ASSEMBLY (IN PAVED AREAS)

- A. Neenah Foundry Company, R 1978 A2 with bolted lid.

2.7 CURB RAMP DETECTABLE WARNING TRUNCATED DOMES

- A. Materials:
1. Follow current ODOT Specifications 712.14 as modified herein:
2. Truncated Domes: Shall consist of cast-in-place reinforced polymer composite tiles.
3. Material supplied shall be red color, and installed by pressing tiles into place in the freshly poured concrete.
4. Material supplied and installed shall meet ODOT Standard Drawings and current approved products as listed at: http://www.dot.state.oh.us/Divisions/Engineering/Roadway/DesignStandards/roadway/Pages/Approved%20Products.aspx (DETECTIBLE WARNINGS)
B. Concrete: ODOT Class C.

3.2 MANHOLES

- A. Install base with top surface level; install on cushion of approved compacted granular material, minimum 3 inches thick.
B. Install wall sections plumb and level. When walls include steps, install with steps in the center of a traffic lane between lanes where possible when in pavement, and, when outside pavement, with steps located away from the pavement edge unless the manhole is within a ditch line, then locate steps on the high side of the ditch slope.
C. Provide a drop connection for each sewer entering a manhole at an elevation of 24 inches or more above the manhole invert.
1. 12 inches Diameter and Smaller Inlet Pipe: Provide Reeliner Inside Drop System at both new and existing manholes. Install as instructed by manufacturer.
2. Larger Than 12 inches Diameter Inlet Pipe: Provide outside at new manholes, and inside at existing manholes unless otherwise noted.

PART 3 EXECUTION

3.1 SANITARY SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 (as modified by these specifications) and the requirements of these specifications.
B. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
C. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
D. Construct concrete encasement for sewers under creeks.
E. Install pipe at a minimum 10 foot horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the main as possible.
F. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, driveways, sidewalks, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in a minimum 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.

3.2 MANHOLES

- A. Install base with top surface level; install on cushion of approved compacted granular material, minimum 3 inches thick.
B. Install wall sections plumb and level. When walls include steps, install with steps in the center of a traffic lane between lanes where possible when in pavement, and, when outside pavement, with steps located away from the pavement edge unless the manhole is within a ditch line, then locate steps on the high side of the ditch slope.
C. Provide a drop connection for each sewer entering a manhole at an elevation of 24 inches or more above the manhole invert.
1. 12 inches Diameter and Smaller Inlet Pipe: Provide Reeliner Inside Drop System at both new and existing manholes. Install as instructed by manufacturer.
2. Larger Than 12 inches Diameter Inlet Pipe: Provide outside at new manholes, and inside at existing manholes unless otherwise noted.

PART 3 EXECUTION

3.1 SANITARY SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 (as modified by these specifications) and the requirements of these specifications.
B. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
C. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
D. Construct concrete encasement for sewers under creeks.
E. Install pipe at a minimum 10 foot horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the main as possible.
F. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, driveways, sidewalks, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in a minimum 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.

3.2 MANHOLES

- A. Install base with top surface level; install on cushion of approved compacted granular material, minimum 3 inches thick.
B. Install wall sections plumb and level. When walls include steps, install with steps in the center of a traffic lane between lanes where possible when in pavement, and, when outside pavement, with steps located away from the pavement edge unless the manhole is within a ditch line, then locate steps on the high side of the ditch slope.
C. Provide a drop connection for each sewer entering a manhole at an elevation of 24 inches or more above the manhole invert.
1. 12 inches Diameter and Smaller Inlet Pipe: Provide Reeliner Inside Drop System at both new and existing manholes. Install as instructed by manufacturer.
2. Larger Than 12 inches Diameter Inlet Pipe: Provide outside at new manholes, and inside at existing manholes unless otherwise noted.

PART 3 EXECUTION

3.1 SANITARY SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 (as modified by these specifications) and the requirements of these specifications.
B. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
C. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
D. Construct concrete encasement for sewers under creeks.
E. Install pipe at a minimum 10 foot horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the main as possible.
F. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, driveways, sidewalks, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in a minimum 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.

3.2 MANHOLES

- A. Install base with top surface level; install on cushion of approved compacted granular material, minimum 3 inches thick.
B. Install wall sections plumb and level. When walls include steps, install with steps in the center of a traffic lane between lanes where possible when in pavement, and, when outside pavement, with steps located away from the pavement edge unless the manhole is within a ditch line, then locate steps on the high side of the ditch slope.
C. Provide a drop connection for each sewer entering a manhole at an elevation of 24 inches or more above the manhole invert.
1. 12 inches Diameter and Smaller Inlet Pipe: Provide Reeliner Inside Drop System at both new and existing manholes. Install as instructed by manufacturer.
2. Larger Than 12 inches Diameter Inlet Pipe: Provide outside at new manholes, and inside at existing manholes unless otherwise noted.

Page 1 of 7

DECEMBER 2015

C:\Users\insomms\Downloads\Sanitary Specifications.docx

Page 3 of 7

DECEMBER 2015

Table with 3 columns: Pipe Diameter, Minimum Slope in Feet per 100 feet. Rows include 27 inch (0.067), 30 inch (0.058), 33 inch (0.052), 36 inch (0.046), 42 inch (0.037), 48 inch (0.031).

1.9 SEWER INSPECTION SYSTEM REQUIREMENTS

- A. Camera
1. Capable of operation in 100 percent humidity conditions.
2. Specifically designed and constructed for intended service.
3. Resolution: 500 lines per inch; color image.
4. Provided with built-in lighting system.
5. Provide remote operation of lighting system and camera.
6. Provide with pan and tilt, rotating head capabilities.
7. Footage Meter: provide equipment with a footage meter so that the location of the camera and point of observation is known at all times.
B. Monitor:
1. Locate inside mobile TV studio large enough to accommodate a minimum of four people to view the monitor at all times.
2. Capable of providing a color picture.
C. DVD/CD Recorder:
1. Compatible with closed circuit TV to allow direct recording during inspection.

PART 2 PRODUCTS

2.1 PIPE MATERIAL

- A. PVC Plastic Pipe and Fittings:
1. ASTM D3034 (4" thru 15" pipe sewer).
2. ASTM F679 (18" thru 27" pipe sewer).
3. ASTM F 794 and ASTM F 1803 (30" thru 48" pipe sewer), as applicable and approved by the City, for the sizes involved; minimum pipe stiffness of 46 psi at 5 percent deflection when tested in accordance with ASTM D2412; ASTM D3212 elastomeric gasket joint (integral bell), push-on type with bell designed to retain the gasket to prevent pull-out during making of the joint.
4. An exception shall be made for ASTM D3034 PVC plastic fittings 8 inches in size and smaller, with such fittings to have

C:\Users\insomms\Downloads\Sanitary Specifications.docx

Page 2 of 7

DECEMBER 2015

C:\Users\insomms\Downloads\Sanitary Specifications.docx

Page 4 of 7

DECEMBER 2015

PART 3 EXECUTION

3.1 SANITARY SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 (as modified by these specifications) and the requirements of these specifications.
B. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
C. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
D. Construct concrete encasement for sewers under creeks.
E. Install pipe at a minimum 10 foot horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the main as possible.
F. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, driveways, sidewalks, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in a minimum 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.

3.2 MANHOLES

- A. Install base with top surface level; install on cushion of approved compacted granular material, minimum 3 inches thick.
B. Install wall sections plumb and level. When walls include steps, install with steps in the center of a traffic lane between lanes where possible when in pavement, and, when outside pavement, with steps located away from the pavement edge unless the manhole is within a ditch line, then locate steps on the high side of the ditch slope.
C. Provide a drop connection for each sewer entering a manhole at an elevation of 24 inches or more above the manhole invert.
1. 12 inches Diameter and Smaller Inlet Pipe: Provide Reeliner Inside Drop System at both new and existing manholes. Install as instructed by manufacturer.
2. Larger Than 12 inches Diameter Inlet Pipe: Provide outside at new manholes, and inside at existing manholes unless otherwise noted.

PART 3 EXECUTION

3.1 SANITARY SEWER PIPE AND FITTINGS

- A. Install PVC plastic pipe and fittings in accordance with ASTM D2321 (as modified by these specifications) and the requirements of these specifications.
B. Excavate trenches to a depth of 4 inches below the outside bottom of the pipe barrel and bell when the pipe is laid on its final grade to allow for bedding material.
C. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
D. Construct concrete encasement for sewers under creeks.
E. Install pipe at a minimum 10 foot horizontal distance from water mains and hydrants, and lay pipes at a minimum 18 inches vertical distance from water mains at their crossing, both as measured between the outside of the pipe walls. At crossings, install one full length of pipe so both joints will be as far from the main as possible.
F. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches in and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, driveways, sidewalks, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in a minimum 36-inch layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.

3.2 MANHOLES

- A. Install base with top surface level; install on cushion of approved compacted granular material, minimum 3 inches thick.
B. Install wall sections plumb and level. When walls include steps, install with steps in the center of a traffic lane between lanes where possible when in pavement, and, when outside pavement, with steps located away from the pavement edge unless the manhole is within a ditch line, then locate steps on the high side of the ditch slope.
C. Provide a drop connection for each sewer entering a manhole at an elevation of 24 inches or more above the manhole invert.
1. 12 inches Diameter and Smaller Inlet Pipe: Provide Reeliner Inside Drop System at both new and existing manholes. Install as instructed by manufacturer.
2. Larger Than 12 inches Diameter Inlet Pipe: Provide outside at new manholes, and inside at existing manholes unless otherwise noted.

Page 1 of 7

DECEMBER 2015

C:\Users\insomms\Downloads\Sanitary Specifications.docx

Page 4 of 7

DECEMBER 2015

UNDERGROUND UTILITIES Contact Two Working Days Before You Dig. Logo for HO811.org. 1683 Woodlands Drive, Maumee, Ohio 43537. Feller Finch & Associates, Inc. Engineers - Surveyors. SANITARY SEWER AS BUILT GENERAL NOTES AND DETAILS. FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO. PROJECT: 10-10141SPO01AB. SHEET 2 OF 8.

RECORD CONSTRUCTION 10/28/25

P:\Projects\10E10141-The Falls at Rivers Edge-Perrysburg Ohio-Preliminary_Dwg\10-10141SPO01AB.dwg, 2, 11/30/2025 11:40:34 AM, rpwitwicki

7. Pavement Sealer: When requested by and as approved by the City.

C. Concrete Driveways and Parking Areas: ODOT Item 452.

D. Concrete Curbs: ODOT Item 609.04 Type 2 Combination Curb and Gutter or Type 6 Curb.

E. Pipe Underdrains: ODOT Item 605.03, and as shown on ODOT Standard drawing DM-1.2 and approved Drawings.

3.7 MONUMENT ASSEMBLY (IN PAVED AREAS)

A. Place Type C monuments in accordance with ODOT Item 604, and Standard Construction Drawing RM-1.1.

3.8 CURB RAMP DETECTABLE WARNING TRUNCATED DOMES

A. Material to be supplied shall meet ODOT's Office of Roadway Engineering Services Truncated Domes Approved List.

B. Installation shall be in accordance with ODOT's latest Standard Construction Drawings for New Curb Ramps (with Truncated Domes) BP-7.1 and Retrofitted Curb Ramps BP-7.2.

C. All curb ramps/retrofitted curb ramps shall include new ODOT Class C concrete where truncated dome material is to be installed.

D. The City will approve proposed material to be installed.

3.9 FIELD QUALITY CONTROL

A. The City may check compaction of the bedding and backfill at any time.

B. All testing shall be in the presence of the City or its representative.

C. For compacted bedding and backfill in trenches and for concrete work, the City may require the employing of a testing laboratory to make tests on site.

- 1. The City shall pay for required testing that meets the City bedding and backfilling specifications.
2. Contractor shall pay for any retesting required to meet specifications.

D. Deflection Test:

- 1. Test 8-inch diameter and larger PVC plastic pipe for a maximum deflection of 5 percent not less than 30 days after final full backfill has been placed, as determined by the City
2. Conduct deflection tests with a representative of City present.
3. Repair or replace pipes exceeding a deflection of 5 percent and then retest until satisfactory test results are obtained.

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

Retesting shall not take place prior to 30 days after pipe repair/replacement and backfill have occurred. For sewers requiring retesting for deflection and previously tested for leakage, upon obtaining satisfactory deflection test results, retest the affected sewer section for leakage.

4. Conduct tests by pulling an approved deflection probe, having a diameter not less than 95 percent of the base inside diameter or average inside diameter of the pipe depending on which is specified in the ASTM Specification, including the appendix, to which the pipe is manufactured, through the sewer line without mechanical pulling devices. Have a proving ring with an inside diameter equal to the outside diameter of the probe available at the time the probe is used to verify that the probe has the proper diameter by inserting the probe into the ring. The pipe shall be measured in accordance with ASTM D2122.

5. Deflection Probe: By Wortco, Inc., Burke Concrete Accessories, Inc., or as approved; designed specifically for testing the deflection of the type and size of pipe subject to test, and complying with the following:

- a. Odd number (no less than 9) of 1/2 inch by 3/16 inch bar stock runners equally spaced on edge around and welded to the circumference of two minimum 1/4 inch thick circular steel plates.
b. Distance between plates, out-to-out, of not less than 2 inches smaller than the nominal diameter of the pipe to be tested, with runners extending approximately 1-1/2 inches beyond each plate being bent inward for this distance at approximately 30 degrees.
c. Continuous 3/4-inch threaded rod through the center of the plates, having a hex nut drawn tight against the inside face of each plate, and extending each side as required for providing a 3/4-inch ferrule loop insert or similar piece for attaching the pulling medium.

E. Sanitary Sewer Leakage Testing:

1. Performance Requirements

- a. Perform leakage testing for the entire length of Work after deflection testing, where possible. If leakage testing is performed before deflection testing, a test section failing deflection testing shall be retested for leakage after acceptable deflection testing.
b. Perform with representative of the City present.
c. Judgment of City's representative as to the acceptance of tests is final.

2. Preparation:

- a. Test each section of pipe for obstructions prior to testing for leakage using mandrels, solid cylinders, or balls with diameters of 95 percent of the pipe diameter. Remove obstructions.
b. Determine ground water level by installing ground water gages in manholes as selected by the City. Gages shall consist of a rigid section of 1/2 inch diameter pipe, approximately 10 inches long, inserted horizontally through the manhole wall as near as possible to pipe crown, sealing any opening around the pipe water-tight, and a clear plastic tube attached to the pipe within the manhole and extended vertically to the top of the manhole. Prior to connecting the tube, blow air through the pipe with sufficient pressure to clear the line. Upon satisfactory completion of leakage testing, remove gages and permanently close openings in the manhole walls with non-shrink and non-metallic grout.

3. Infiltration Tests:
a. The length of sewer subject to each test shall be the distance between two adjacent manholes as a minimum, 700 feet as a maximum, but shall be left to the discretion of the City.
b. Isolate test section and cap or plug all service connections and stubs within the section to prevent the entry of ground water.
c. Measure infiltration by a V-notch weir located in the downstream manhole.
d. Maintain test head for not less than 24 hours before a weir measurement is made.
e. Maximum allowable leakage, including manholes, shall be 100 gallons per inch of diameter per mile of pipe per day.

4. Exfiltration Tests

- a. The length of sewer subject to an exfiltration test shall be the distance between two adjacent manholes as a minimum, 700 feet as a maximum, but shall be left to the discretion of the City.
b. Close upstream and downstream manhole inlets with water-tight plugs and fill the test section with water until the elevation of the water in the upstream manhole is 2 feet above pipe crown in the line being tested, or 2 feet above the existing ground water in the trench, whichever is higher.
c. A standpipe may be used instead of the upstream manhole for providing the pressure head when approved by the City.
d. Measure exfiltration by determining the amount of water required to maintain the initial water elevation for 1 hour from the start of the test.
e. Maximum allowable leakage, including manholes, shall be 100 gallons per inch of diameter per mile of pipe per day.

5. Air Tests

- a. Conduct an air test between each two consecutive manholes.

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

7. Repair/Replacement

- a. For any sewer test section failing to meet the limits of the Specifications, locate and remedy the defects causing the failure, retest the section, and continue repairs or replacement until the limits of the Specifications are satisfied.
b. For sewers not accessible, should a test fail due to other than a leaking plug, conduct a closed circuit television inspection of the test section to determine the cause of the failure.
c. When failure is the result of a leaking sewer joint, the joint may be chemically grouted.
d. Television inspection and chemical grouting of sewer joints shall comply with all applicable "Recommended Specifications for Sewer Collection System Rehabilitation" of the National Association of Sewer Service Companies as approved by the City. Furnish the City two copies of a DVD/CD of all television inspections.
e. If a manhole test is unsuccessful, make repairs and retest until a satisfactory test is obtained.
f. Repair all visible leakage in sewers and manholes, even though tests may have been satisfactory.

3.10 MAINTENANCE OF TRAFFIC

- A. Two way traffic shall be maintained at all times on dedicated roads. If construction along dedicated roads interferes with traffic, Contractor shall provide two flaggers and other traffic control devices in accordance with the latest edition of the Ohio Manual of Uniform Traffic Control Devices

PAVEMENT AND SANITARY SEWER SPECIFICATIONS

b. Pneumatic plugs shall be able to resist internal pressures without external blocking.

c. Plug each end of the section to be tested and all pipe outlets in the section with suitable test plugs.

d. One plug used at a manhole shall have an inlet port or other provision for connecting an air hose from the air supply equipment.

e. The equipment shall include valves to control the rate at which air flows into the test section and pressure gages with minimum graduations of 0.1 psi and an accuracy of ±0.04 psi to monitor the air pressure within the test section.

f. Apply air pressure slowly to the test section until the pressure reaches 4.0 psi, plus an adjustment of 0.433 psi for each foot of ground water above the pipe crown in the line being tested. Internal air pressure, including adjustment for ground water, should never exceed 5.0 psi.

g. When the pressure reaches 4.0 psi, plus adjustment for ground water, throttle the air supply so that the internal pressure is maintained between 4.0 and 3.5 psi for at least 2 minutes to permit temperature stabilization. When the pressure has stabilized and is at or above 3.5 psi, disconnect the air supply, start a stopwatch, and allow stopwatch to run until the pressure has dropped 1.0 psi.

h. Sewers of Plastic Pipe 27 Inches Diameter and Smaller: Calculate the permissible time allocated for the 1.0 psi pressure drop on the basis of the diameter and length of main sewer tested, no adjustment being made for service connections included in the test section. The air test for a section shall be considered acceptable if the time elapsed for the 1.0 psi pressure drop is equal to or greater than the time indicated, and shall be considered unacceptable if the elapsed time is less than that indicated in the following table:

Table with columns: PIPE DIAMETER, LENGTH OF MAIN LINE TESTED, and MINIMUM HOLDING TIME IN MINUTES: SECONDS REQUIRED FOR 1.0 PSI PRESSURE DROP. Rows include diameters from 4" to 27" and lengths from 100' to 250'.

Table with columns: PIPE DIAMETER, LENGTH OF MAIN LINE TESTED, and MINIMUM HOLDING TIME IN MINUTES: SECONDS REQUIRED FOR 1.0 PSI PRESSURE DROP. Rows include diameters from 4" to 27" and lengths from 300' to 450'.

* Interpolate time for intermediate lengths.
** If the test section fails and service connections were included in the test, re-compute test time to include service connections in accordance with 9.6 of ASTM F1417.

i. Sewers 30 Inches in Diameter and Larger: Conduct individual air tests at joints, and lift holes, along with visual inspection. Perform air tests in accordance with all applicable requirements, with a test to be acceptable if the pressure holds or drops less than 1 psi in 5 seconds.

j. Sections may be air tested before backfilling the trench as a check for defects and workmanship, but such tests are at CONTRACTOR'S option and are not a substitute for tests required after backfilling has been completed.

k. For main line sewers tested by infiltration or exfiltration, conduct air tests for the purpose of testing service connections even when the crown of the pipe is covered with 2 feet or more of water. For such tests, the internal air pressure shall never exceed 5.0 psi, and the acceptability of the tests will be based on the minimum holding time specified for the size of the main line sewer.

6. Manhole Tests:

- a. Test each manhole after assembly and after all lift holes have been plugged with non-shrink grout and, at Contractor's option, before or after completing backfilling.
b. Test by drawing a vacuum on the manhole using equipment specifically designed for such testing.
c. Plug and brace pipes entering the manhole to prevent being drawn into the manhole.
d. Place a test head with necessary gages and connections at the inside of the top of the cone section and seal in accordance with the manufacturer's instructions.
e. Draw a vacuum of 10 inches of mercury and then shut the vacuum pump off.

f. With valves closed, measure the time for the vacuum to drop to 9 inches. The test shall be successful if the time measured meets or exceeds the values indicated in the following table:

Table with columns: MANHOLE DEPTH, MANHOLE DIAMETER, and MINIMUM TEST TIMES IN SECONDS. Rows include depths from 8' or less to 40' and diameters from 48" to 108".

Table with columns: MANHOLE DEPTH, MANHOLE DIAMETER, and MINIMUM TEST TIMES IN SECONDS. Rows include depths from 8' or less to 40' and diameters from 84" to 108".

* When there is a transition involved, add the times for each size based on the depth associated with each size.

TESTING SPECIFICATIONS

ALL TESTING SHALL BE PER TEN STATE STANDARDS

DEFLECTION TEST

- A. DEFLECTION TESTS SHALL BE PERFORMED ON ALL FLEXIBLE PIPE. THE TESTS SHALL BE CONDUCTED AFTER THE FINAL BACKFILL HAS BEEN IN PLACE AT LEAST 30 DAYS TO PERMIT STABILIZATION OF THE SOIL-PIPE SYSTEM.
B. NO PIPE SHALL EXCEED A DEFLECTION OF 5 PERCENT OF THE INSIDE DIAMETER. IF DEFLECTION EXCEEDS 5 PERCENT, THE PIPE SHALL BE EXCAVATED. REPLACEMENT OR CORRECTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS IN THE APPROVED SPECIFICATIONS.
C. THE RIGID BALL OR MANDREL USED FOR THE DEFLECTION TEST SHALL HAVE A DIAMETER NOT LESS THAN 95 PERCENT OF THE BASE INSIDE DIAMETER OR AVERAGE INSIDE DIAMETER OF THE PIPE DEPENDING ON WHICH IS SPECIFIED IN THE ASTM SPECIFICATION, INCLUDING THE APPENDIX, TO WHICH THE PIPE IS MANUFACTURED. THE TESTS SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

MANHOLE INSPECTION AND TESTING

THE SPECIFICATIONS SHALL INCLUDE A REQUIREMENT FOR MANHOLE INSPECTION AND TESTING FOR WATER TIGHTNESS OR DAMAGE PRIOR TO PLACING INTO SERVICE. AIR TESTING, IF SPECIFIED FOR CONCRETE SEWER MANHOLES, SHALL CONFORM TO THE TEST PROCEDURES DESCRIBED IN ASTM C-1244.

JOINT TESTING

WATER (HYDROSTATIC) TEST - THE LEAKAGE EXFILTRATION OR INFILTRATION SHALL NOT EXCEED 100 GALLONS PER INCH OF PIPE DIAMETER PER MILE PER DAY [9 L/(MM OF PIPE DIAMETER-KM-D)] FOR ANY SECTION OF THE SYSTEM. AN EXFILTRATION OR INFILTRATION TEST SHALL BE PERFORMED WITH A MINIMUM POSITIVE HEAD OF 2 FEET (0.6 M).

AIR TEST - THE AIR TEST SHALL, AS A MINIMUM, CONFORM TO THE TEST PROCEDURE DESCRIBED IN ASTM C-828 FOR CLAY PIPE, ASTM C-924 FOR CONCRETE PIPE, AND ASTM F-1417 FOR PLASTIC PIPE. FOR OTHER MATERIALS, TEST PROCEDURES SHALL BE APPROVED BY THE REGULATORY AGENCY.

UNDERGROUND UTILITIES logo and contact information: Contact Two Working Days Before You Dig, OH0811.org, Before You Dig, 1-800-362-2764.

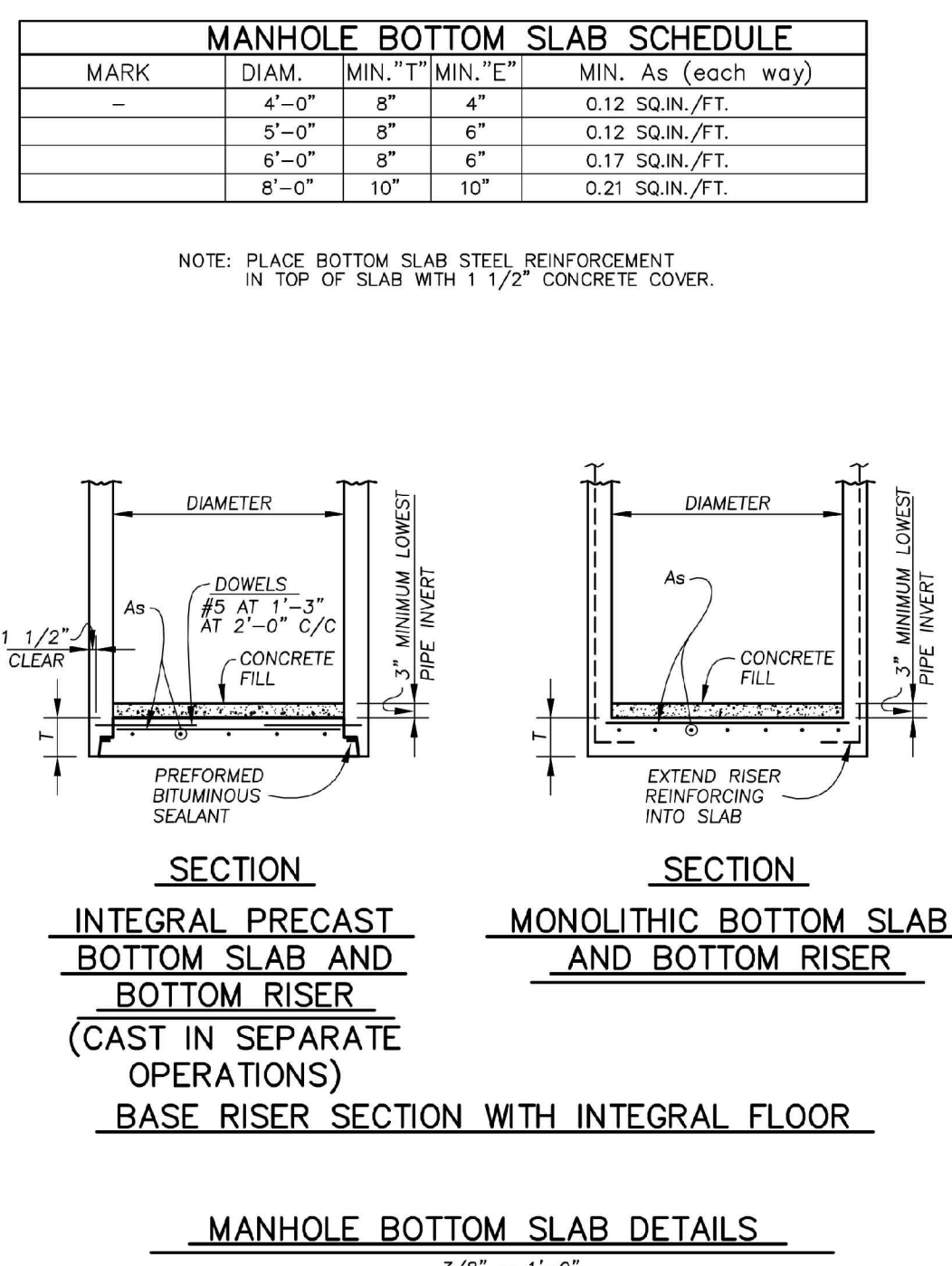
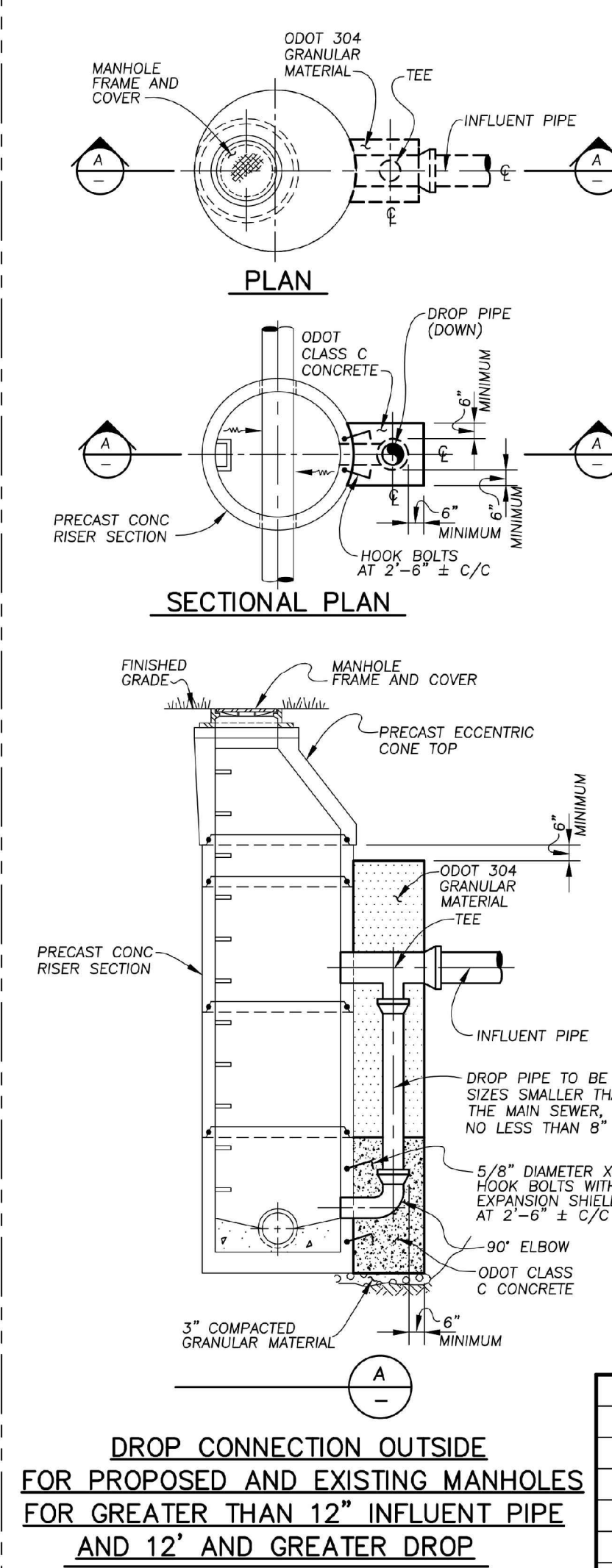
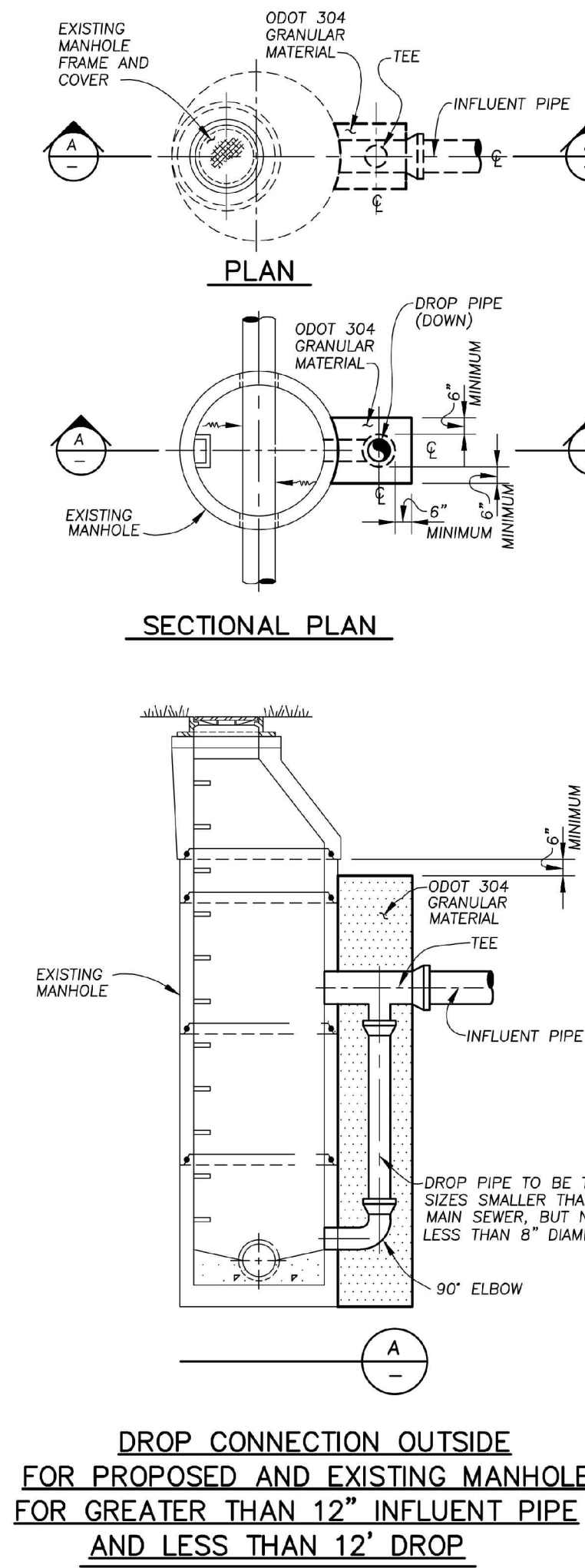
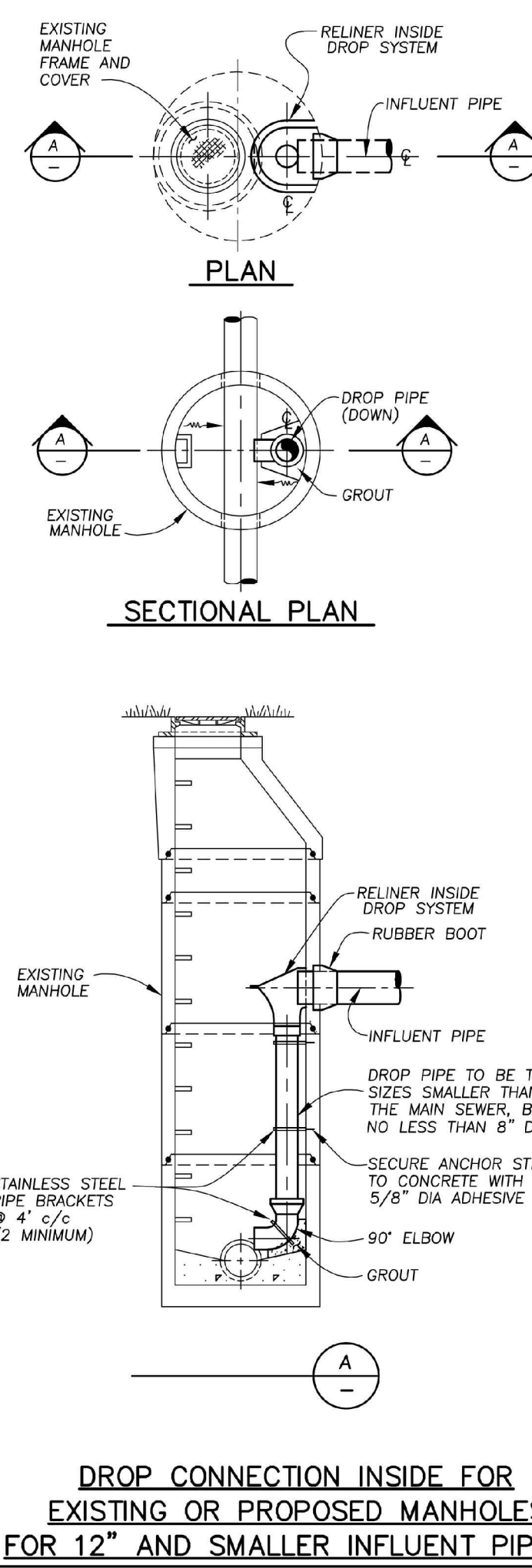
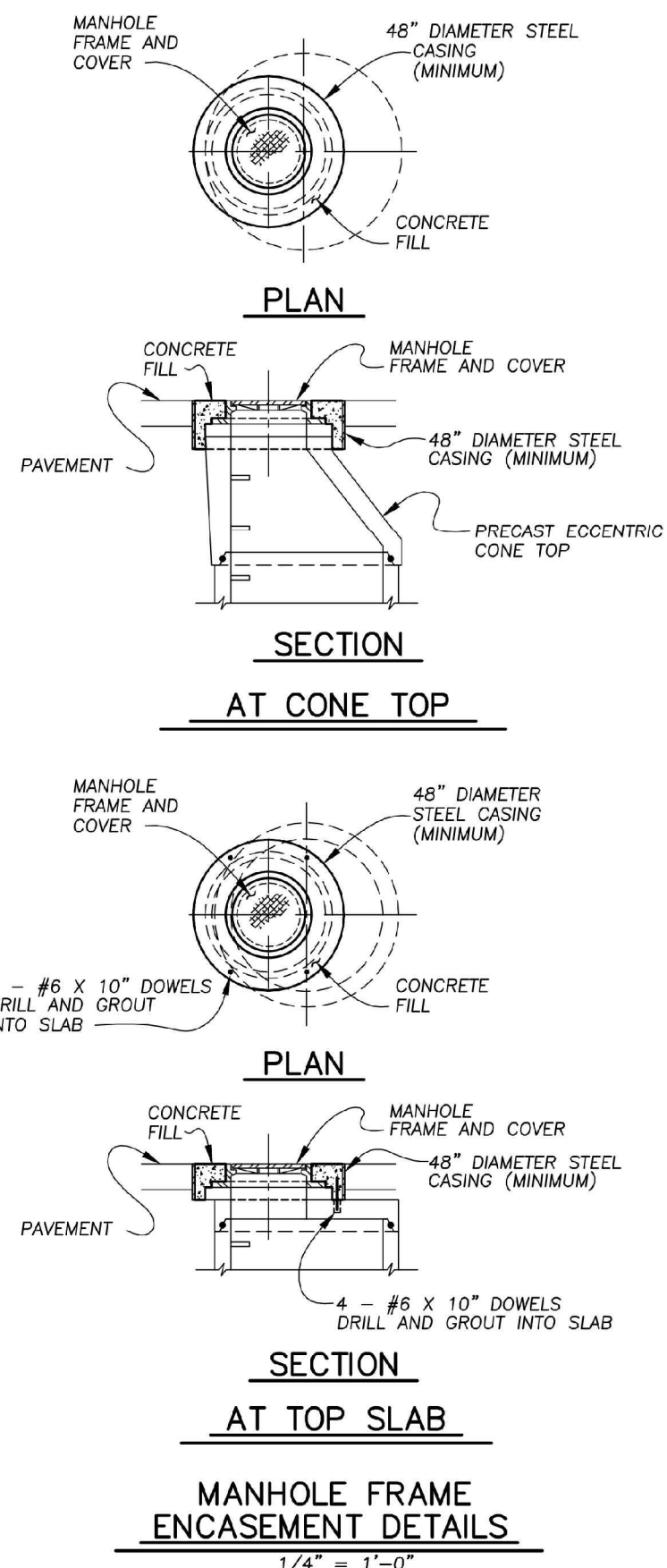
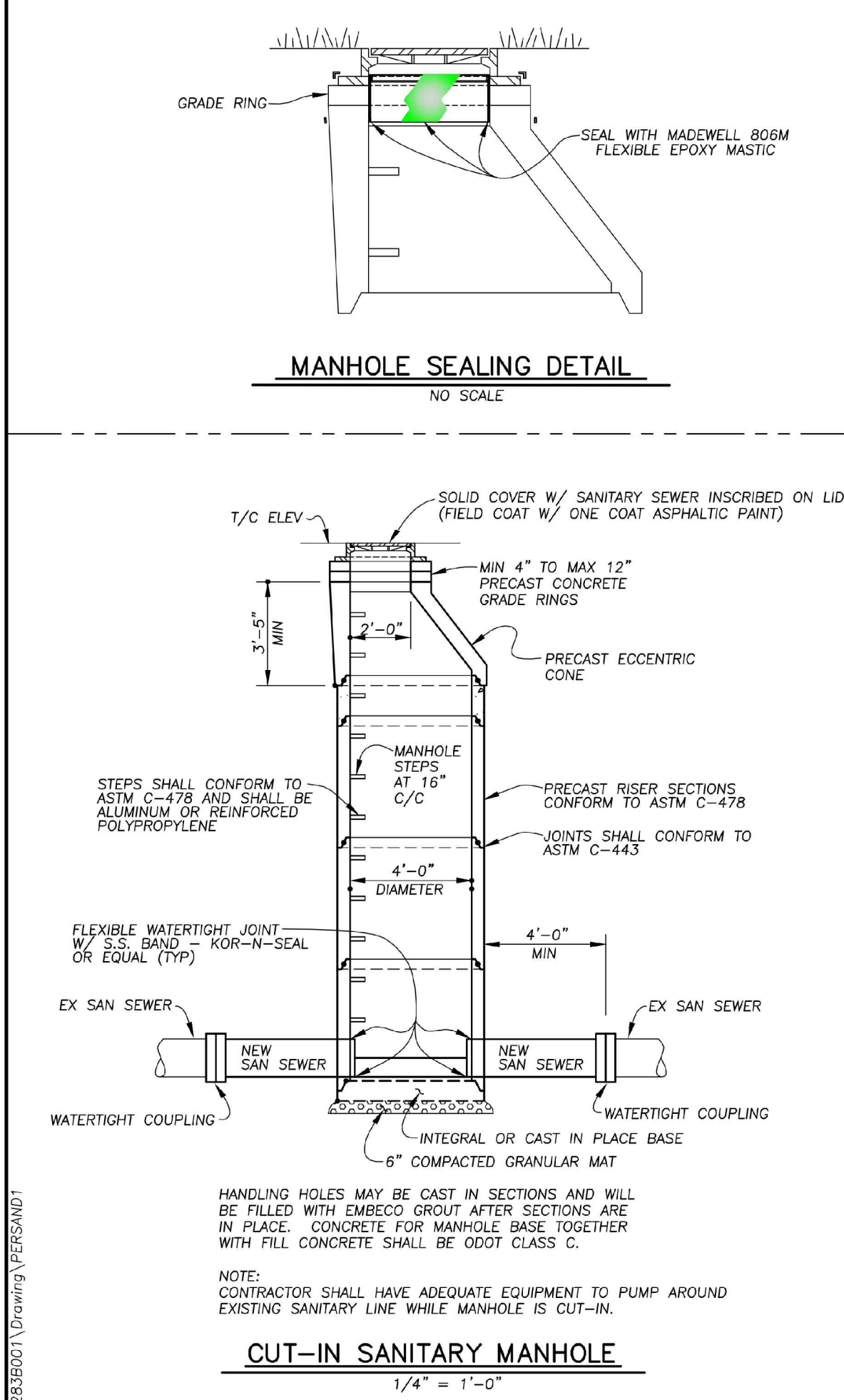
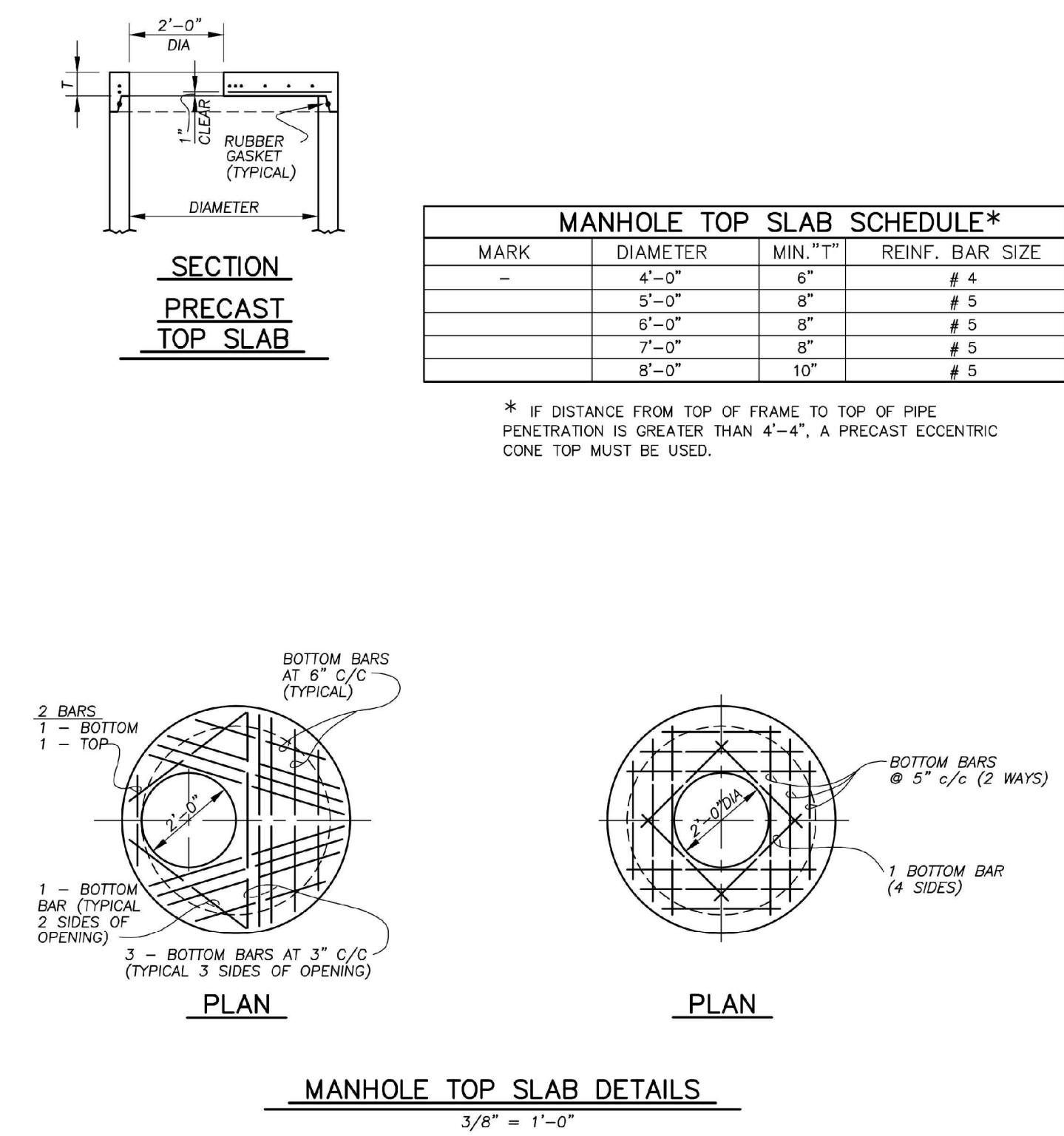
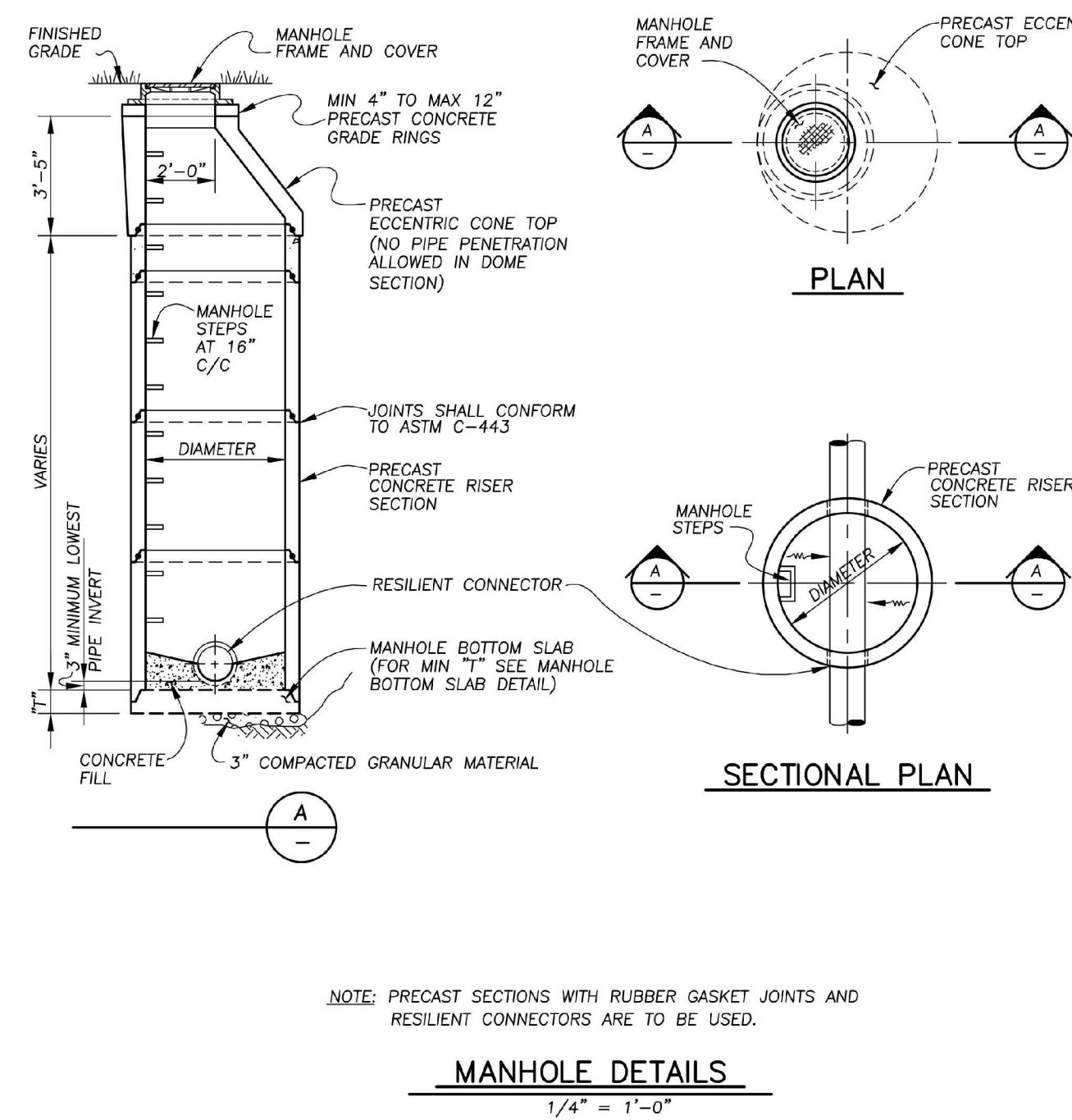
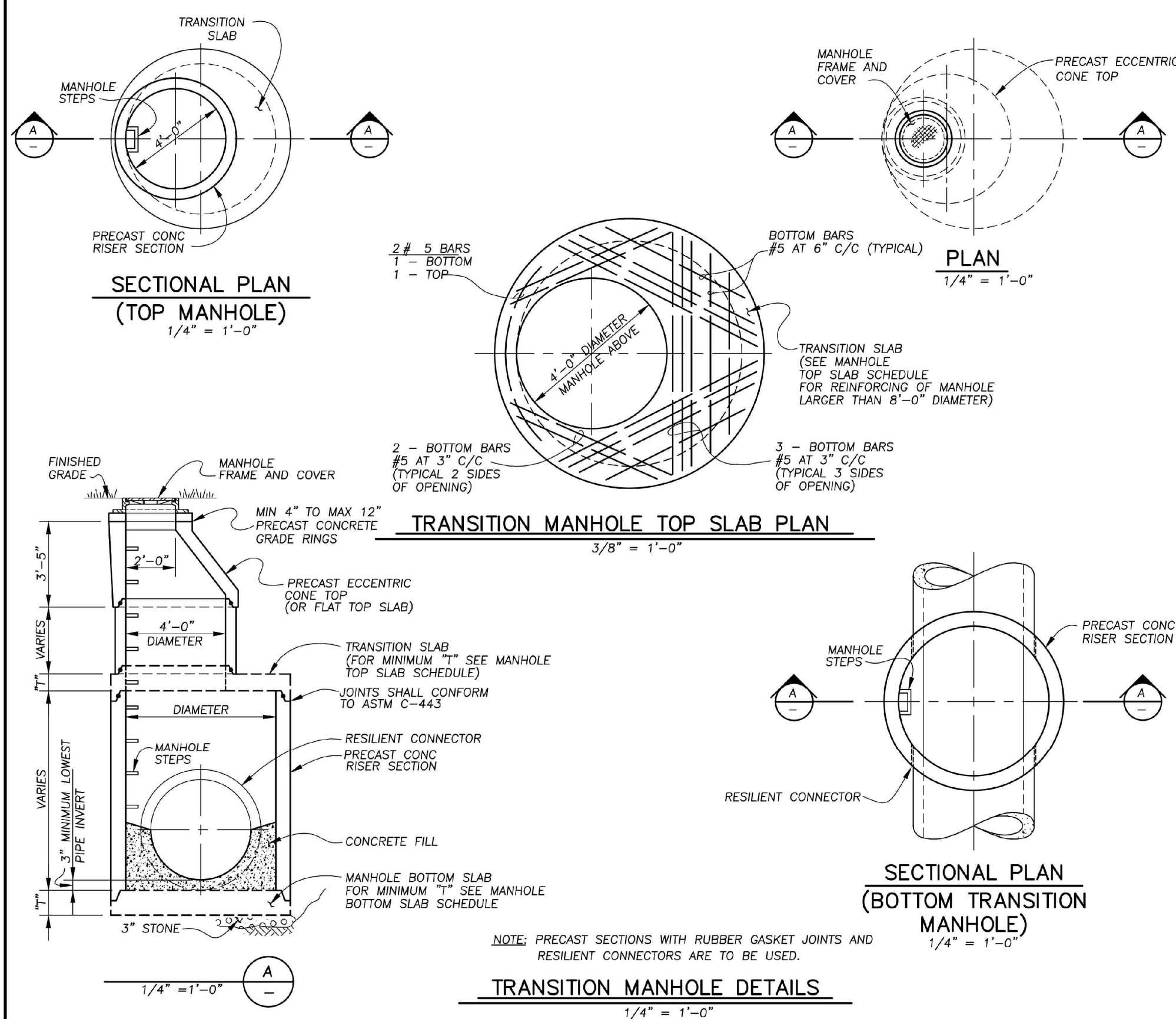
FellerFinch & ASSOCIATES, INC. logo and contact information: 1683 Woodlands Drive, Maumee, Ohio 43537, Phone: (419) 893-3680, Fax: (419) 893-2982, www.fellerfinch.com.

Table with columns: REV. NO., REVISION, DATE. Multiple empty rows for revision tracking.

TITLE: SANITARY SEWER AS BUILT GENERAL NOTES AND DETAILS
PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYBURG, WOOD COUNTY, OHIO

Table with columns: SIGNED, DATE, SCALE, DESIGNED, CHECKED, PROJECT, DRAWING, SHEET. Includes project details and sheet number 3 of 8.

RECORD CONSTRUCTION 10/28/25



PAVEMENT AND SANITARY SEWER STANDARD DETAILS
CITY OF PERRYSBURG, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF WATER POLLUTION CONTROL

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

1683 Woodlands Drive, Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

OH0811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

SANITARY SEWER AS BUILT GENERAL NOTES AND DETAILS
FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

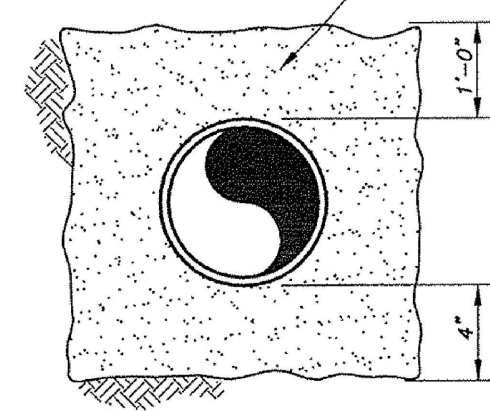
PROJECT: 10-10141
DRAWING: 10-10141SPO01A1B

SIGNED: _____
DATE: 11.3.2025
SCALE: AS NOTED
DESIGNED: BLW DRAWN: KSG
CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141
DRAWING: 10-10141SPO01A1B

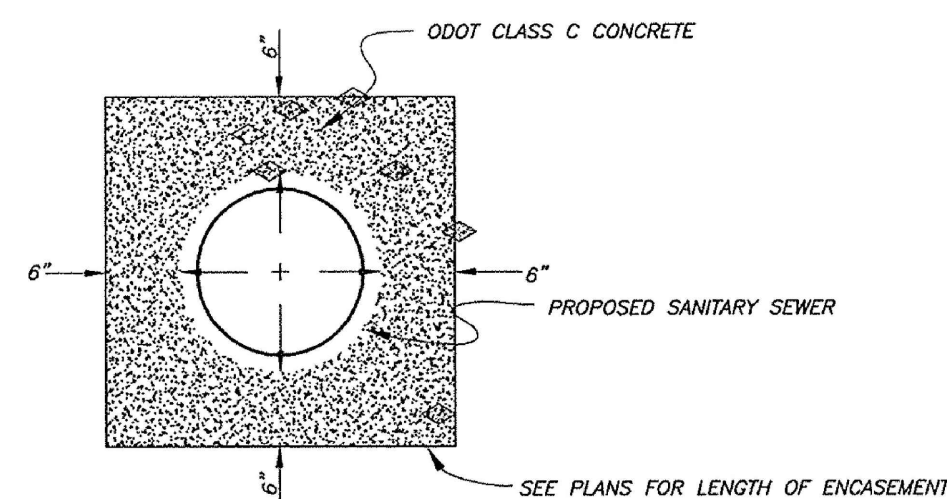
SHEET 4 OF 8

RECORD CONSTRUCTION 10/28/25

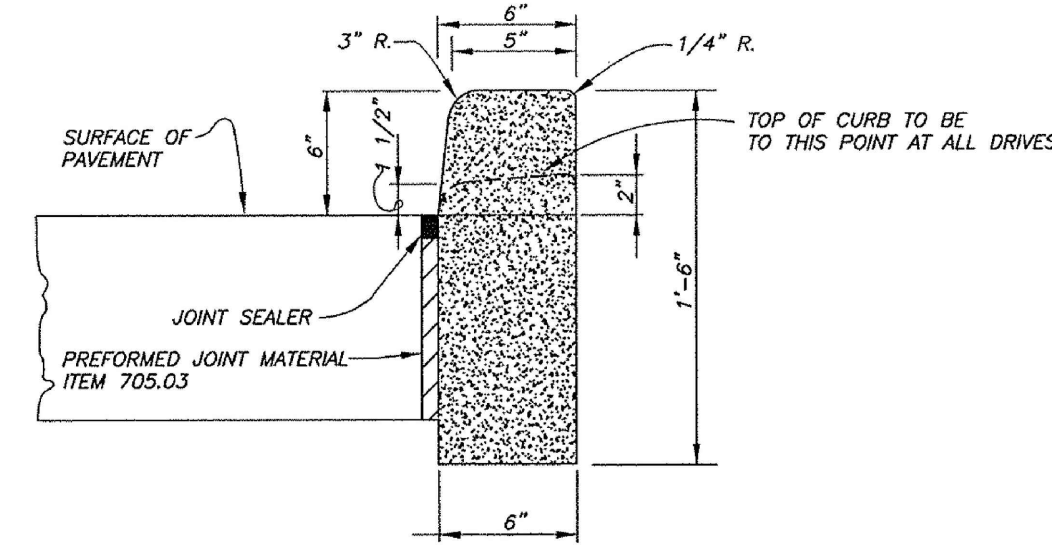
#67 LIMESTONE CONFORMING TO TABLE 703-1 OF THE STATE OF OHIO DEPT. OF TRANSPORTATION SPECIFICATIONS



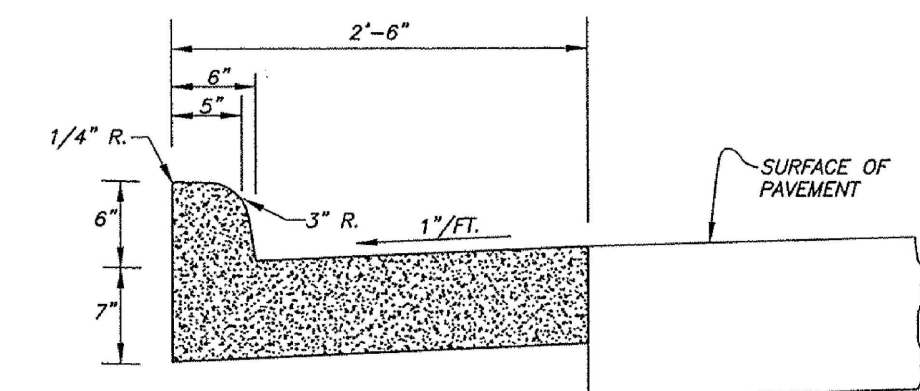
BEDDING DETAIL FOR PIPE SEWERS
NO SCALE



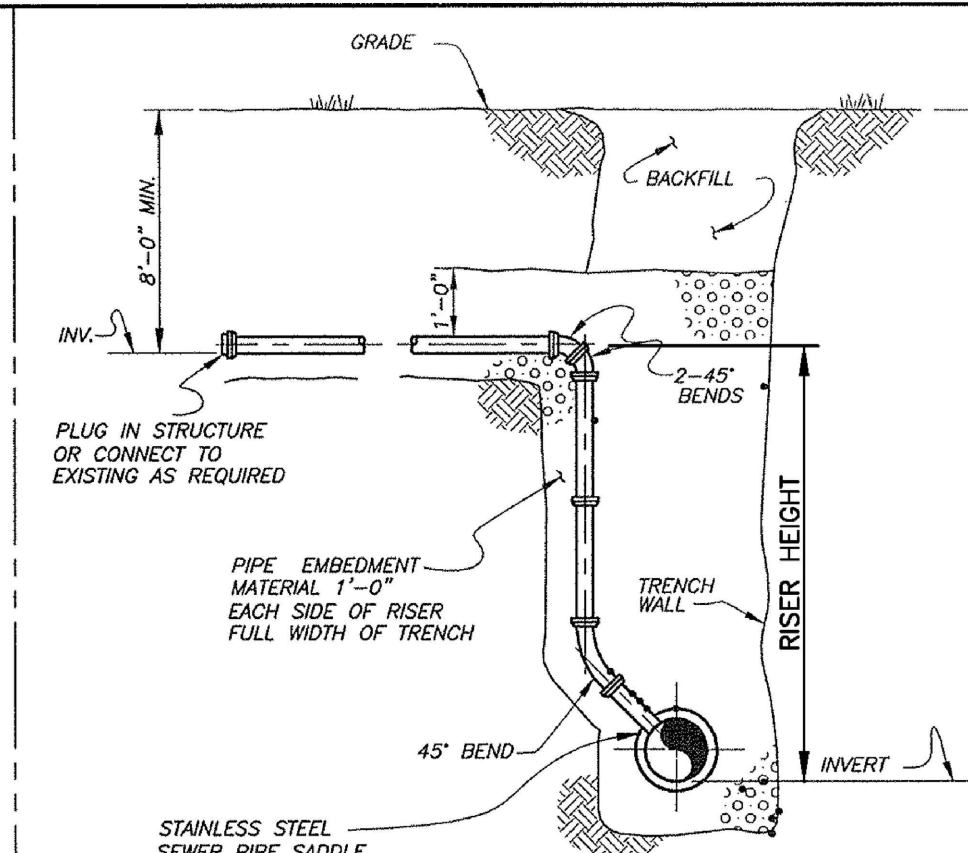
CONCRETE ENCASMENT FOR SEWERS UNDER CREEKS
NO SCALE



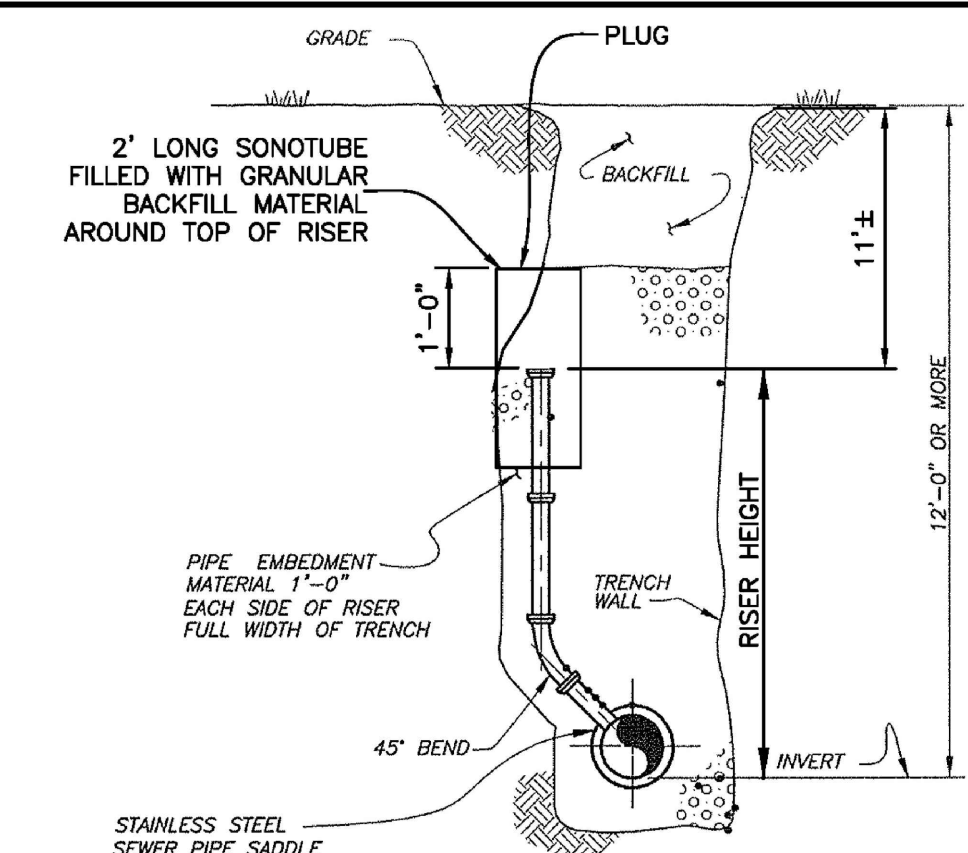
ODOT TYPE 6 CURB REPLACEMENT
NO SCALE



ODOT TYPE 2 COMBINATION CURB
NO SCALE



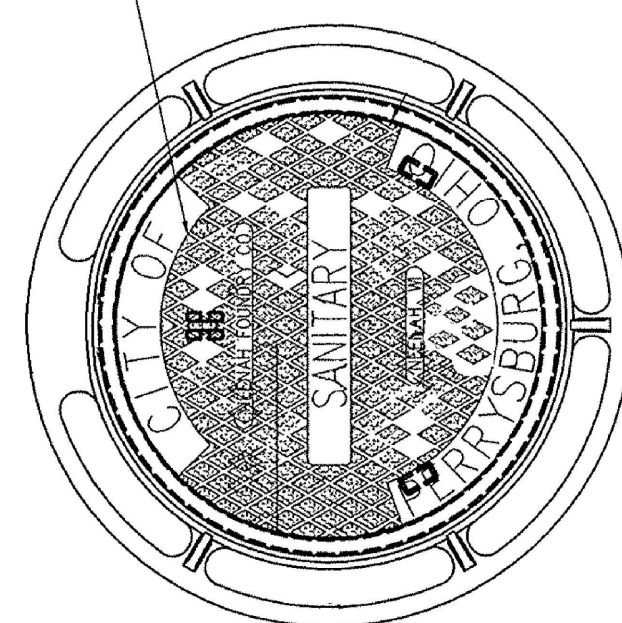
SECTION RISERS WHERE DEPTH OF MAIN SEWER EXCEEDS 12'-0" (FOR PLAT ONE LOTS)



SECTION RISERS WHERE DEPTH OF MAIN SEWER EXCEEDS 12'-0" (FOR FUTURE LOTS)

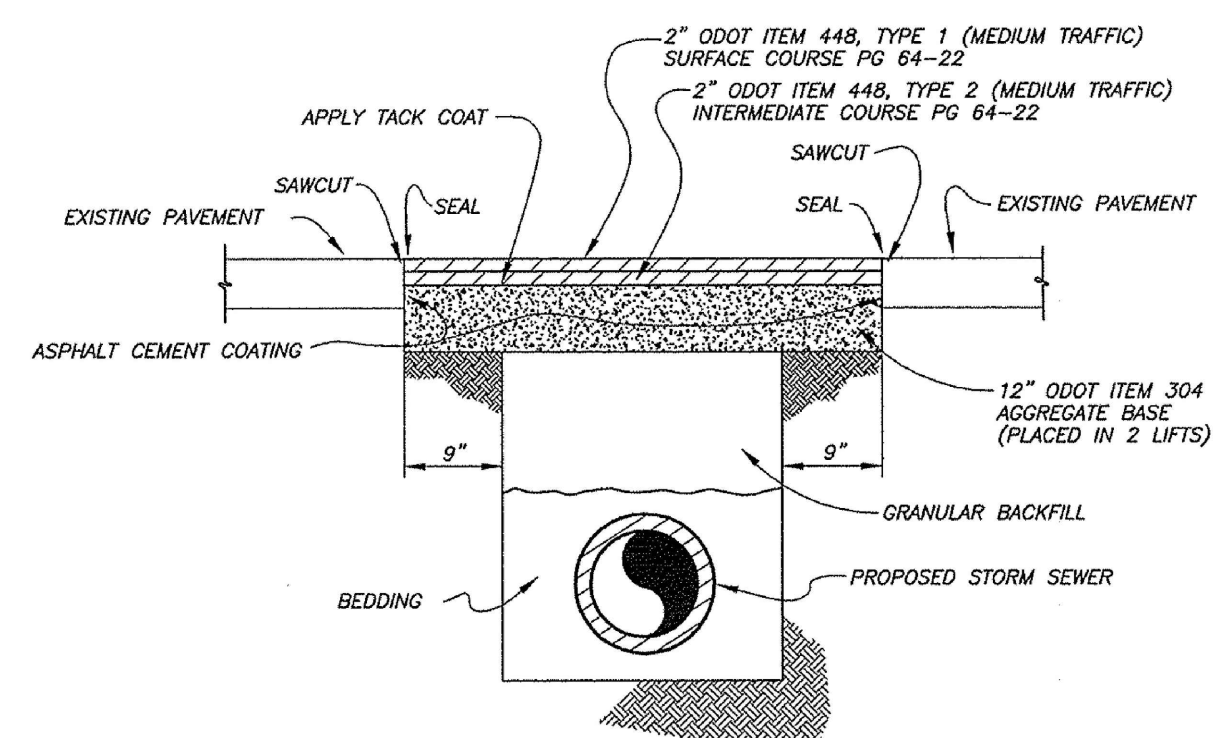
SANITARY SEWER SERVICE CONNECTIONS OF SANITARY SEWERS 48" AND LESS
NO SCALE

2" HIGH RAISED LETTERS FLUSH W/ TOP SURFACE OF LID

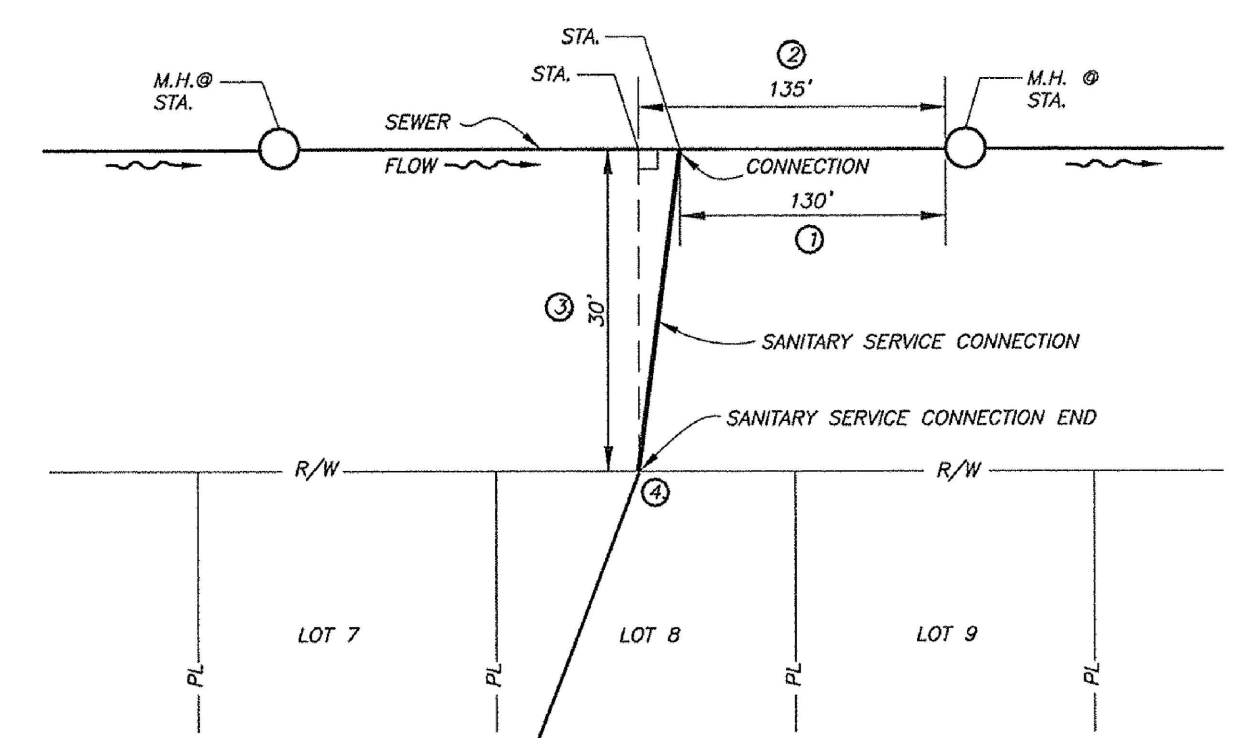


MANHOLE COVER
NO SCALE

EAST JORDAN IRON WORKS, INC., CATALOGUE 1040 WITH SOLID LID TYPE B OR AS APPROVED; MACHINED SURFACE, FRAME WITH 24 INCH DIAMETER CLEAR OPENING, AND 7 INCH HEIGHT, LIDS TO HAVE "CITY OF PERRYSBURG, OH" - "SANITARY" CAST INTO TOP.

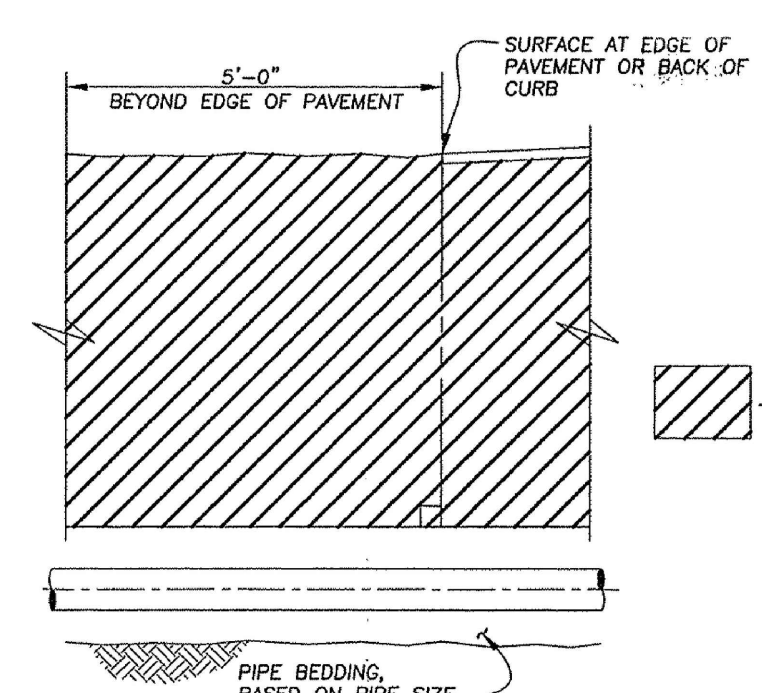


SECTION PERPENDICULAR STREET OPENING REPAIR DETAILS
NO SCALE

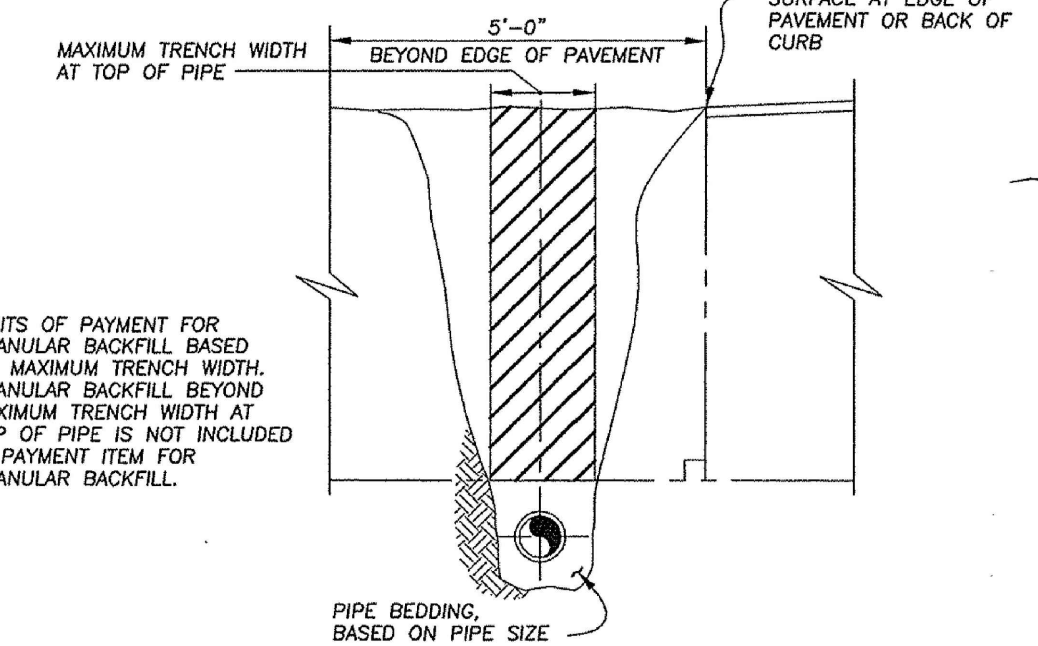


SANITARY SEWER SERVICE CONNECTION LOCATION REFERENCE
NO SCALE

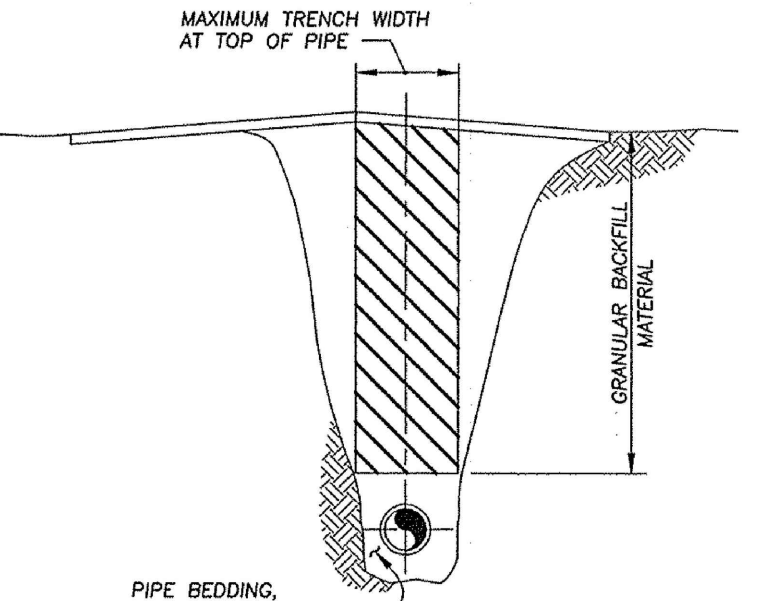
- NOTE:
1. 130'
 2. 135'
 3. 30'
 4. 641.6'
- ① HORIZONTAL DISTANCE OF CONNECTION TO DOWNSTREAM M.H.
② HORIZONTAL DISTANCE OF SANITARY SEWER SERVICE CONNECTION END TO DOWNSTREAM M.H. ALONG SEWER.
③ PERPENDICULAR DISTANCE FROM SEWER TO SANITARY SEWER SERVICE CONNECTION END.
④ ELEVATION OF SANITARY SEWER SERVICE CONNECTION END FLOW LINE.



CROSSING PAVEMENT WITHIN MAXIMUM TRENCH WIDTH



PARALLEL PAVEMENT WITHIN MAXIMUM TRENCH WIDTH



INSIDE PAVEMENT

LIMITS OF PAYMENT FOR GRANULAR BACKFILL, BASED ON MAXIMUM TRENCH WIDTH. GRANULAR BACKFILL BEYOND MAXIMUM TRENCH WIDTH AT TOP OF PIPE IS NOT INCLUDED IN PAYMENT ITEM FOR GRANULAR BACKFILL.

GRANULAR BACKFILL
NO SCALE

REVISED	DATE

PAVEMENT AND SANITARY SEWER STANDARD DETAILS
CITY OF PERRYSBURG, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF WATER POLLUTION CONTROL

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
HO811.org
Before You Dig
OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive, Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com
FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

SANITARY SEWER AS BUILT GENERAL NOTES AND DETAILS
PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO

	SIGNED
	DATE
	SCALE: AS NOTED
	DATE: 11.3.2025
	DESIGNED: BLW DRAWN: KSG
	CHECKED: BLW REVIEWED: BLW
	PROJECT: 10-10141
	DRAWING: 10-10141SPO01AB
	SHEET 5 OF 8

RECORD CONSTRUCTION 10/28/25

P:\Projects\10E10141-The Falls at Rivers Edge-Perryburg Ohio-Preliminary_Dwg\10-10141SPO01AB.dwg, 5, 11/3/2025 11:40:49 AM, rpawicki

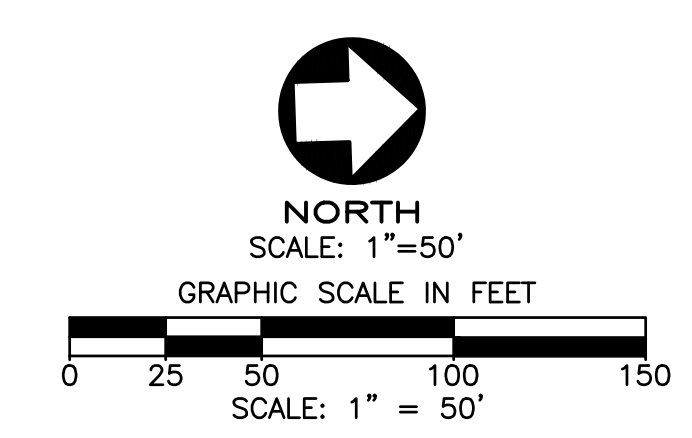
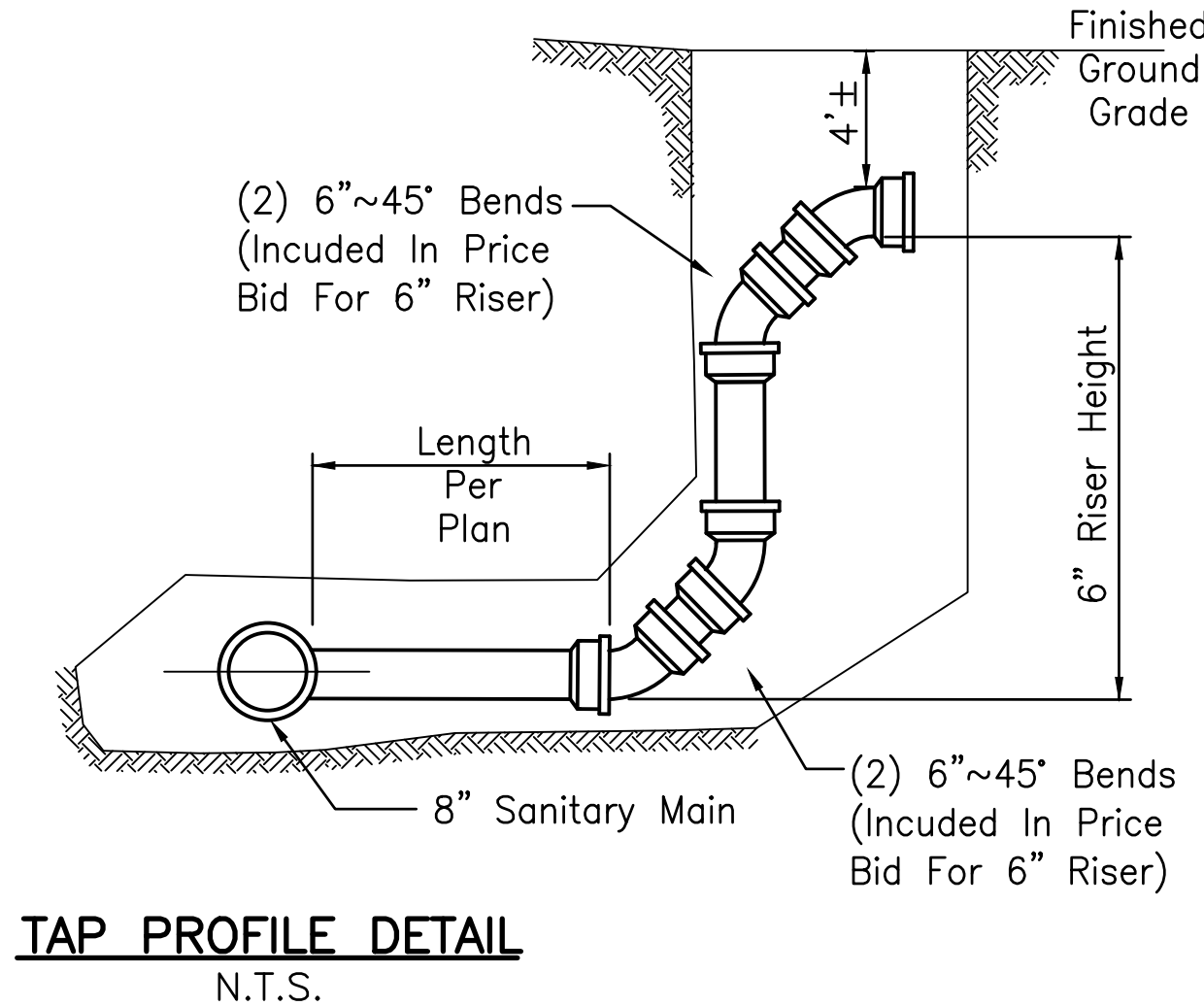
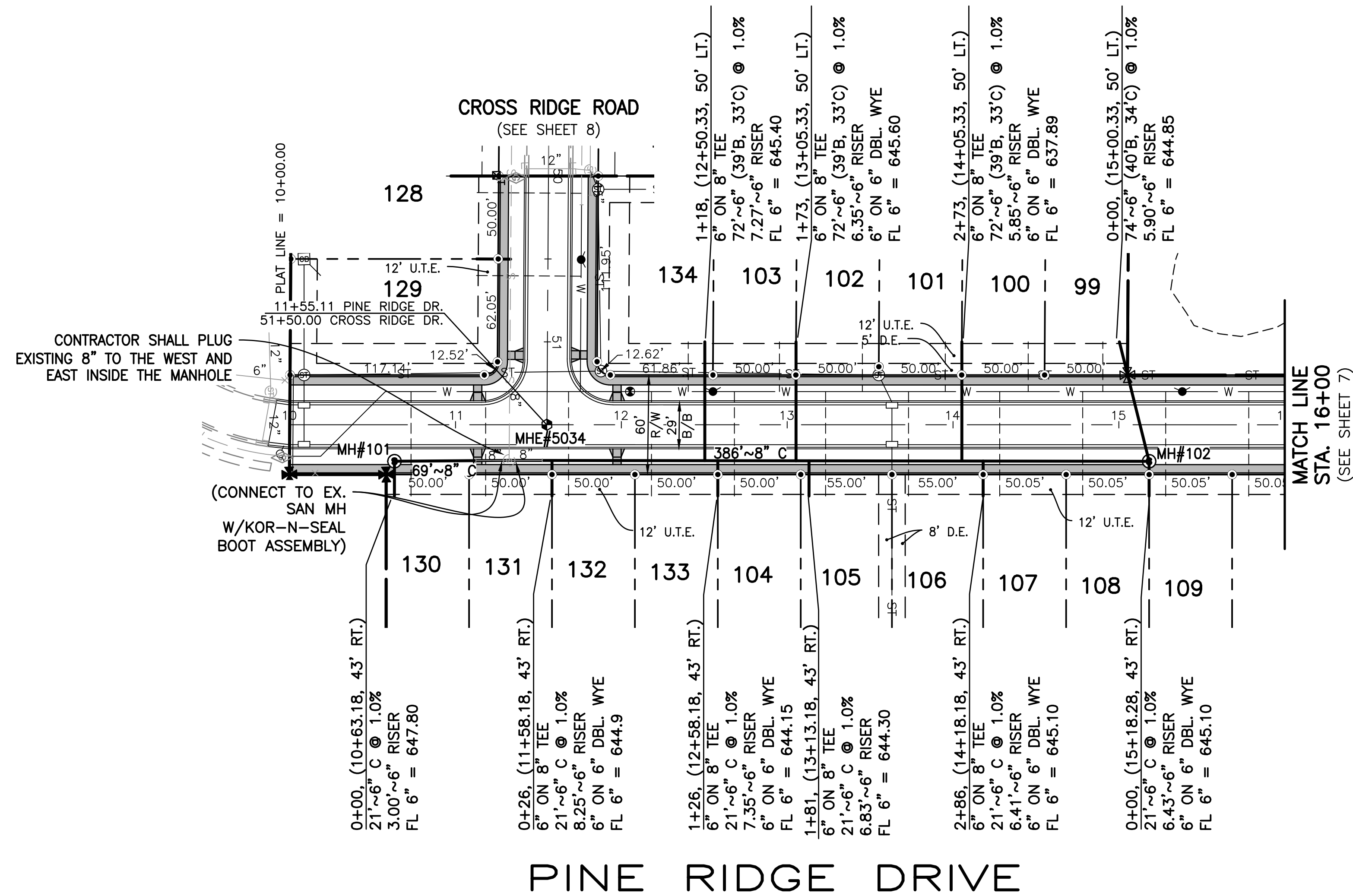
T:\002025\B001\Drawings\VER5A102

TAP DATA AT SEWER MAIN		
LOT NO.	FL @ MAIN	FL @ TAP
134	FL 8" = 640.03	FL 6" = 640.11
103 & 102	FL 8" = 640.25	FL 6" = 640.33
101 & 100	FL 8" = 640.65	FL 6" = 640.73
131 & 132	FL 8" = 639.66	FL 6" = 639.74
133 & 104	FL 8" = 640.06	FL 6" = 640.14
105	FL 8" = 640.28	FL 6" = 640.36
106 & 107	FL 8" = 640.70	FL 6" = 640.78

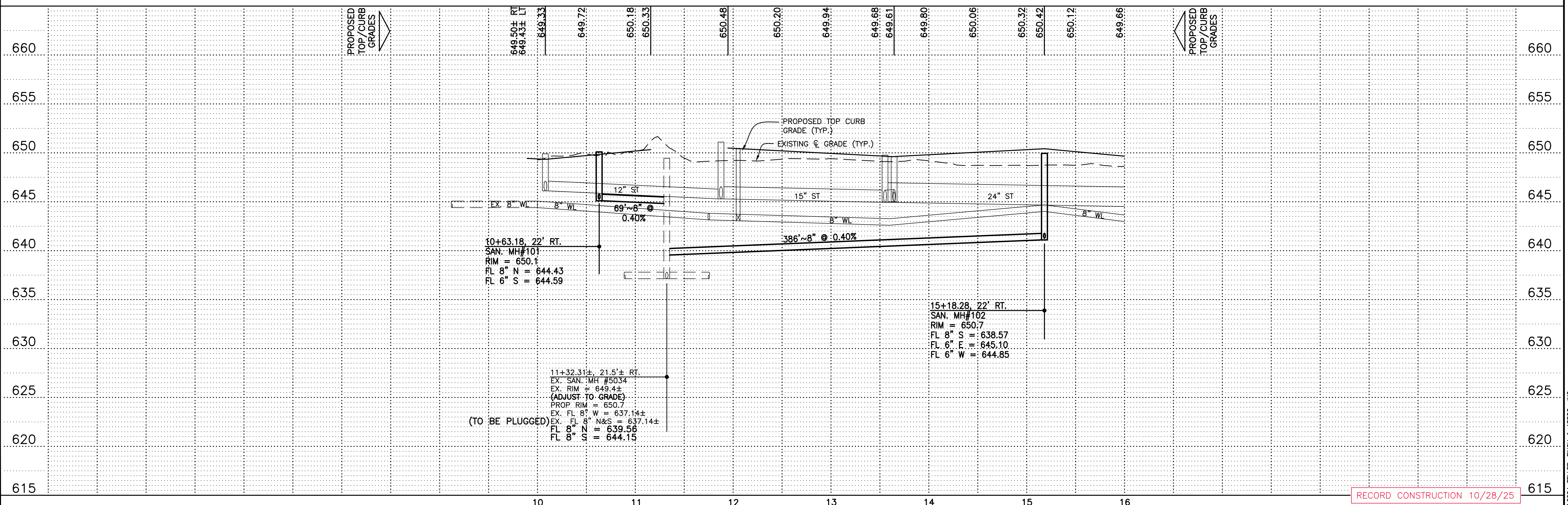
- NOTES**
- ORIENT THE STRAIGHT SIDE OF THE ECCENTRIC DOME SECTION OF ALL SANITARY MANHOLES TO BE TOWARD THE STREET CENTERLINE.
 - CONTRACTOR SHALL ORIENT THE MANHOLE SO THAT THE RIM IS NOT LOCATED IN FUTURE SIDEWALKS AND DRIVEWAYS WHEN POSSIBLE

*** COMPACTION NOTE:**
FOR THE SECTIONS OF SANITARY TAP WHICH CROSS THE LOT, PLACE THE TRENCH BACKFILL IN MAXIMUM 12" LIFTS AND COMPACT EACH LAYER WITH A MINIMUM OF TWO PASSES WITH AN EXCAVATOR MOUNTED VIBRATORY PLATE COMPACTOR.

** FIELD VERIFY EXISTING ELEVATION PRIOR TO INSTALLATION OF PROPOSED SEWER.



EASEMENT ABBREVIATIONS
D.E. DRAINAGE EASEMENT
U.T.E. UTILITY & TOLEDO EDISON EASEMENT



RECORD CONSTRUCTION 10/28/25

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

FellerFinch & ASSOCIATES, INC.
Engineers & Surveyors

1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

OH0811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

REV. NO.	REVISION	DATE

TITLE: **SANITARY SEWER AS BUILT PLAN AND PROFILE**

PROJECT: **FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYBURG, WOOD COUNTY, OHIO**

© 2024 FELLER, FINCH & ASSOC., INC.

SIGNED	
DATE	
SCALE	AS NOTED
DATE	11.3.2025
DESIGNED	BLW
DRAWN	KSG
CHECKED	BLW
REVIEWED	BLW
PROJECT	10-10141
DRAWING	10-10141SPO01AB

SHEET **6** OF **8**

TAP DATA AT SEWER MAIN		
LOT NO.	FL @ MAIN	FL @ TAP
97	FL 8" = 639.68	FL 6" = 639.74
95 & 96	FL 8" = 639.46	FL 6" = 639.54
112 & 113	FL 8" = 639.67	FL 6" = 639.75
114 & 115	FL 8" = 639.27	FL 6" = 639.35
116 & 117	FL 8" = 642.41	FL 6" = 642.49
118 & 55	FL 8" = 642.81	FL 6" = 642.89

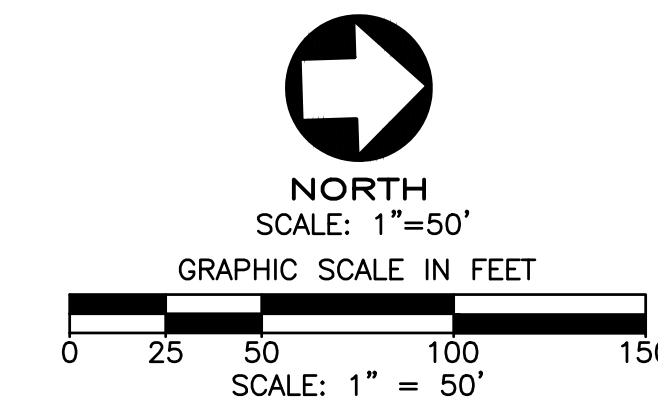
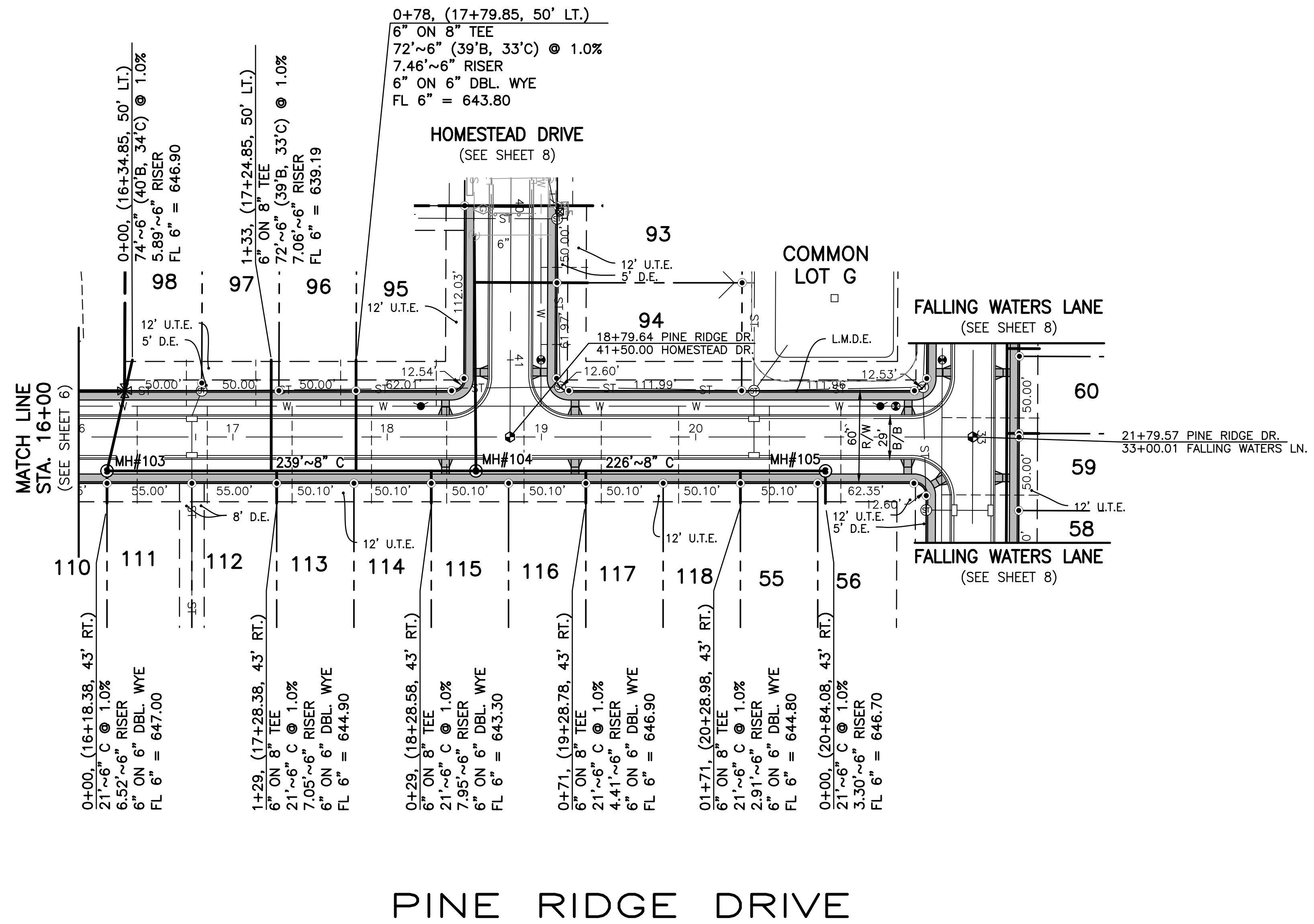
NOTES

- ORIENT THE STRAIGHT SIDE OF THE ECCENTRIC DOME SECTION OF ALL SANITARY MANHOLES TO BE TOWARD THE STREET CENTERLINE.
- CONTRACTOR SHALL ORIENT THE MANHOLE SO THAT THE RIM IS NOT LOCATED IN FUTURE SIDEWALKS AND DRIVEWAYS WHEN POSSIBLE.

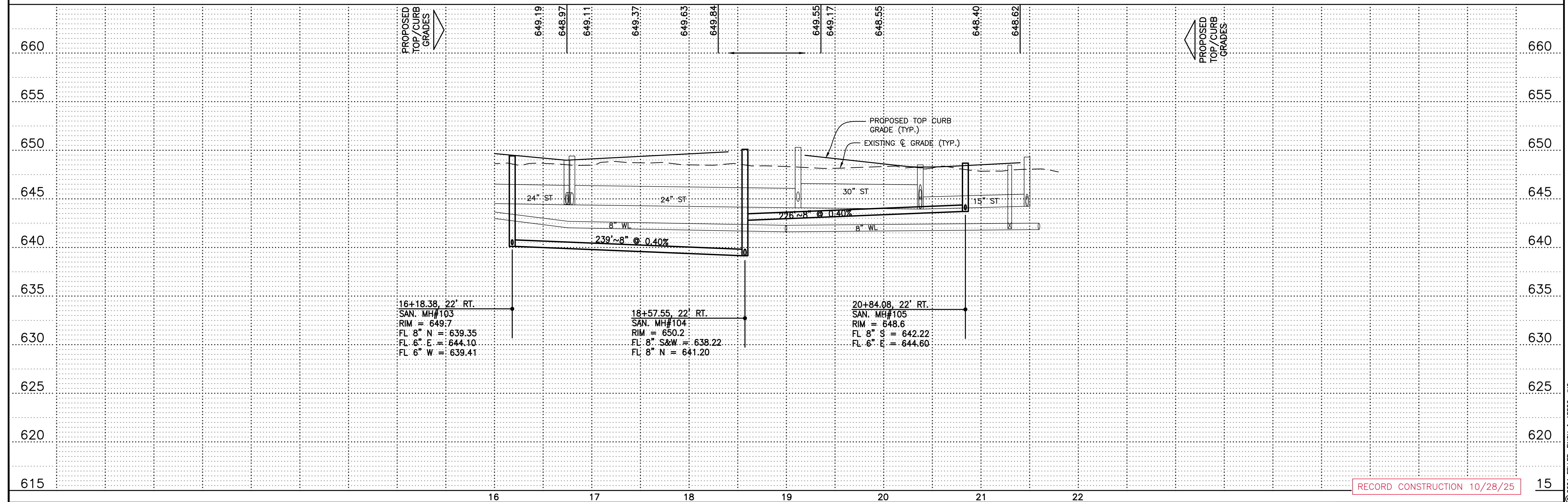
*** COMPACTION NOTE:**

FOR THE SECTIONS OF SANITARY TAP WHICH CROSS THE LOT, PLACE THE TRENCH BACKFILL IN MAXIMUM 12" LIFTS AND COMPACT EACH LAYER WITH A MINIMUM OF TWO PASSES WITH AN EXCAVATOR MOUNTED VIBRATORY PLATE COMPACTOR.

** FIELD VERIFY EXISTING ELEVATION PRIOR TO INSTALLATION OF PROPOSED SEWER.



EASEMENT ABBREVIATIONS	
D.E.DRAINAGE EASEMENT
U.T.E.UTILITY & TOLEDO EDISON EASEMENT

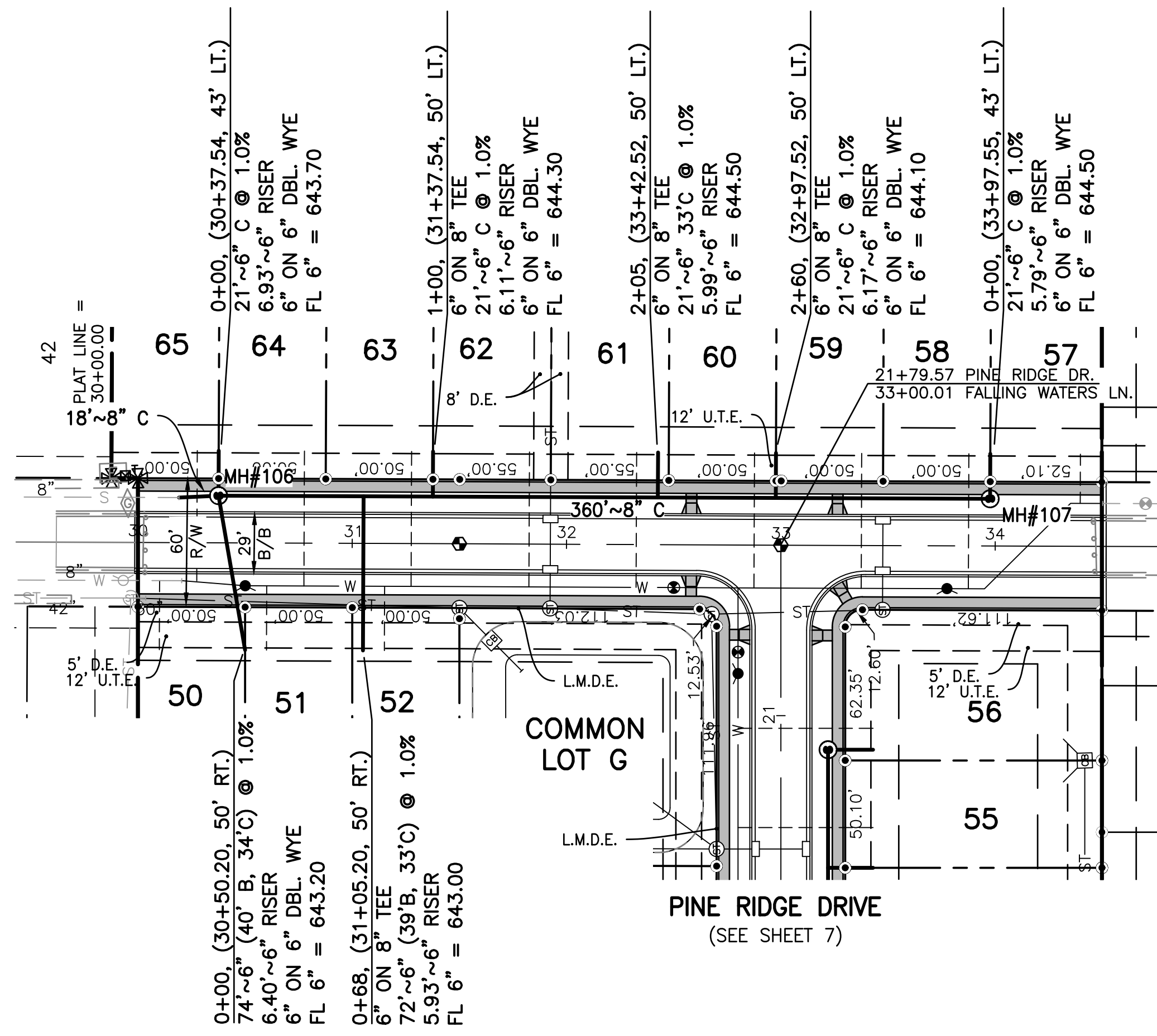


REV. NO.	REVISION	DATE

TITLE: **SANITARY SEWER AS BUILT PLAN AND PROFILE**
PROJECT: **FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO**

SIGNED	
DATE	AS NOTED
DATE	11.3.2025
DESIGNED: BLW	DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW
PROJECT:	10-10141
DRAWING:	10-10141SPO01AB

RECORD CONSTRUCTION 10/28/25



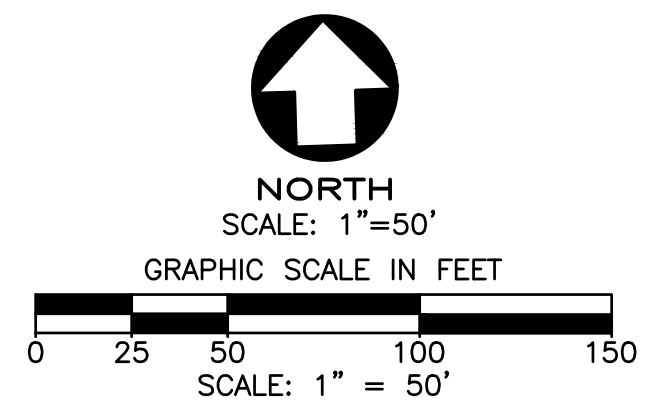
*** COMPACTION NOTE:**
FOR THE SECTIONS OF SANITARY TAP WHICH CROSS THE LOT, PLACE THE TRENCH BACKFILL IN MAXIMUM 12" LIFTS AND COMPACT EACH LAYER WITH A MINIMUM OF TWO PASSES WITH AN EXCAVATOR MOUNTED VIBRATORY PLATE COMPACTOR.

**** FIELD VERIFY EXISTING ELEVATION PRIOR TO INSTALLATION OF PROPOSED SEWER.**

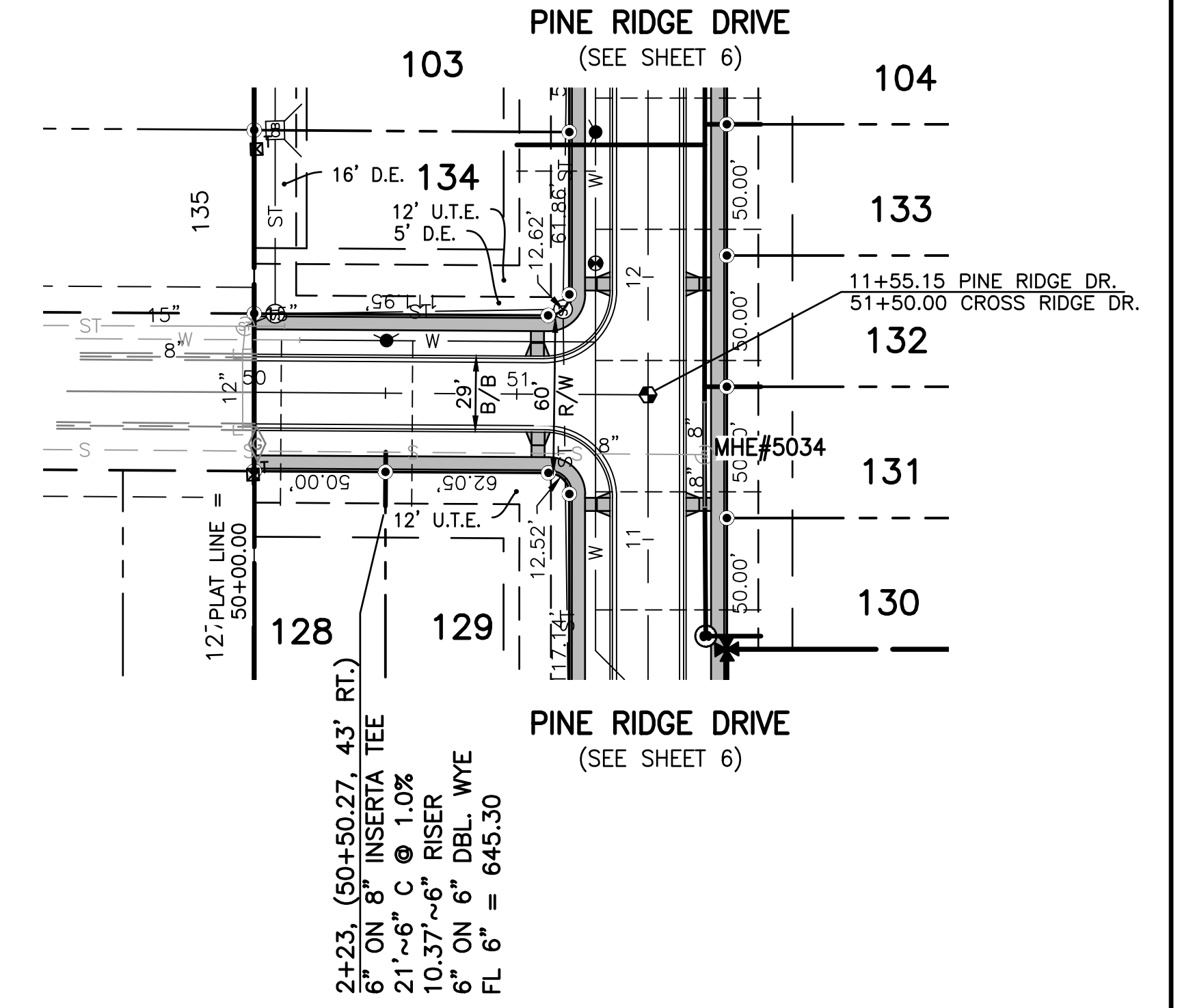
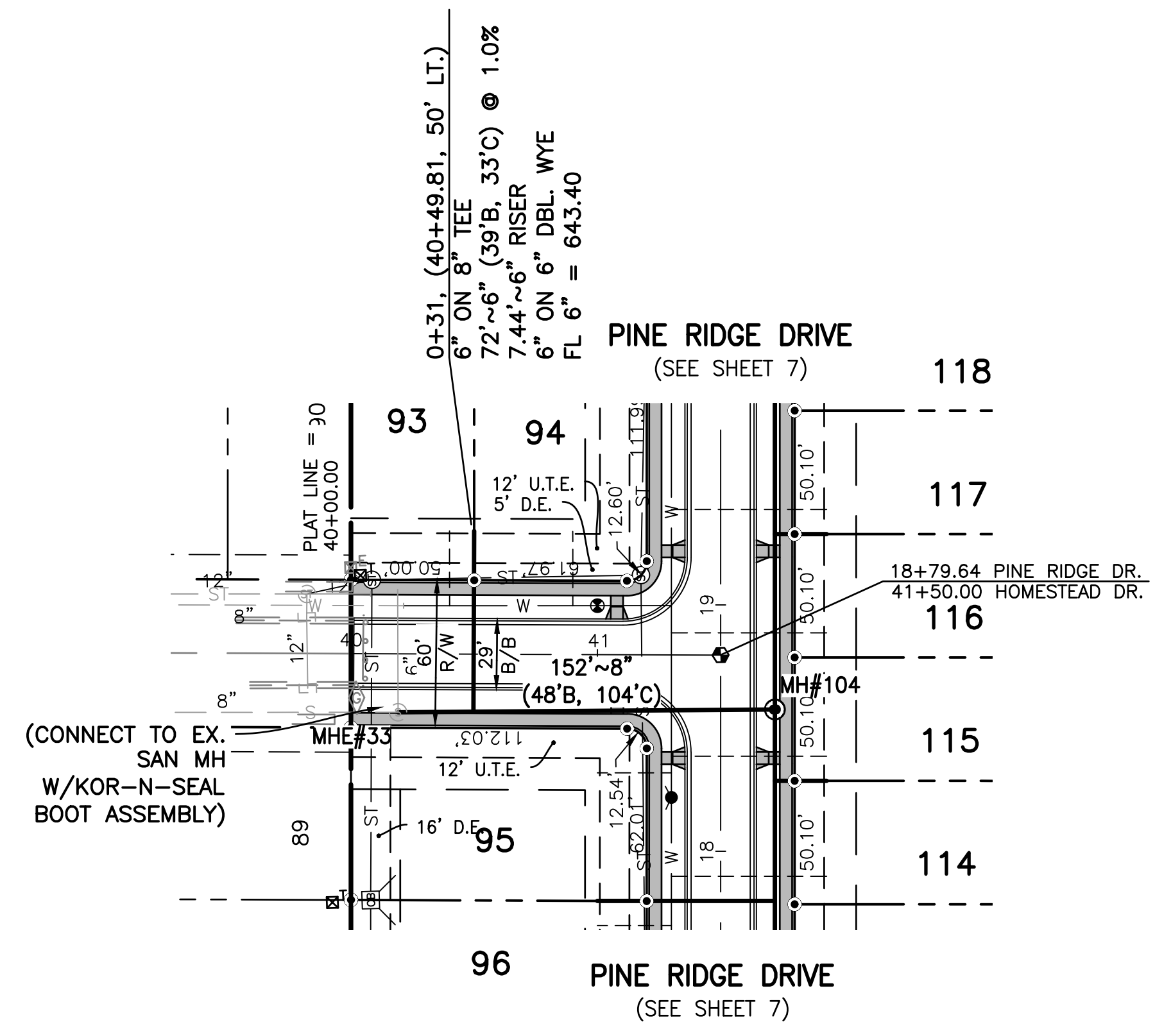
TAP DATA AT SEWER MAIN

LOT NO.	FL @ MAIN	FL @ TAP
63 & 62	FL 8" = 639.20	FL 6" = 639.28
61	FL 8" = 639.62	FL 6" = 639.70
60 & 59	FL 8" = 639.84	FL 6" = 639.92
52	FL 8" = 639.07	FL 6" = 639.15
93 & 94	FL 8" = 638.66	FL 6" = 638.74
128 & 129	FL 8" = 637.04	FL 6" = 637.12

EASEMENT ABBREVIATIONS
D.E. DRAINAGE EASEMENT
U.T.E. UTILITY & TOLEDO EDISON EASEMENT



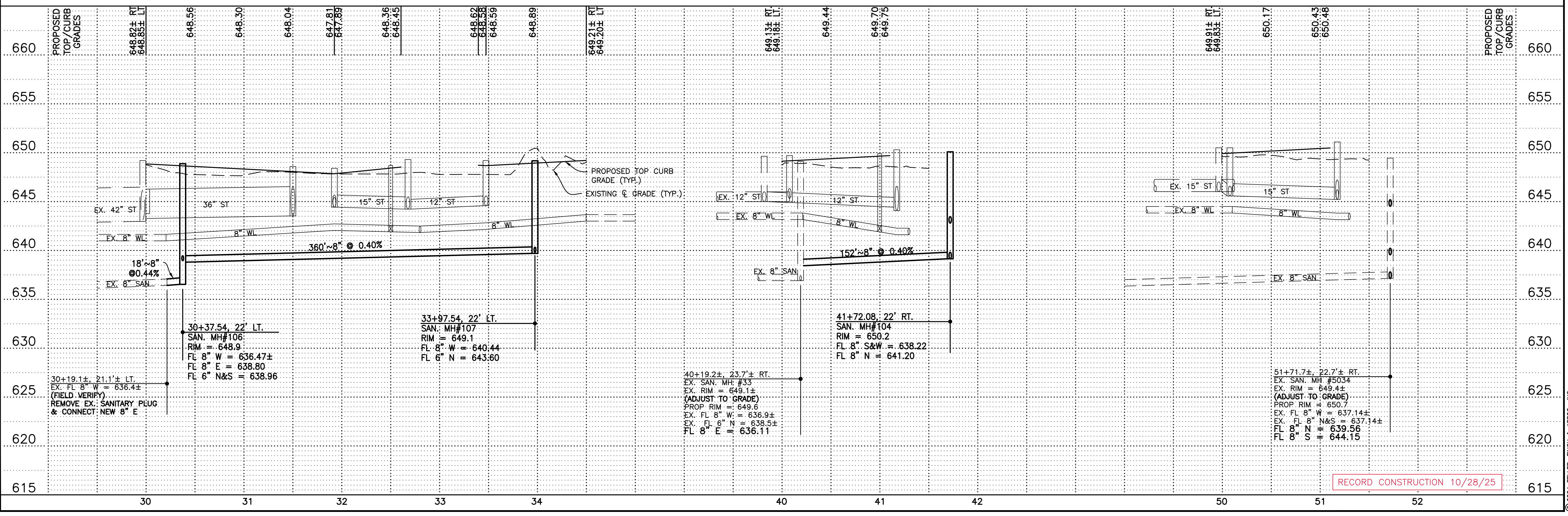
- NOTES**
- ORIENT THE STRAIGHT SIDE OF THE ECCENTRIC DOME SECTION OF ALL SANITARY MANHOLES TO BE TOWARD THE STREET CENTERLINE.
 - CONTRACTOR SHALL ORIENT THE MANHOLE SO THAT THE RIM IS NOT LOCATED IN FUTURE SIDEWALKS AND DRIVEWAYS WHEN POSSIBLE.



FALLING WATERS LANE

HOMESTEAD DRIVE

CROSS RIDGE ROAD



UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

HO811.org
Before You Dig

OHO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch & ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

SANITARY SEWER AS BUILT PLAN AND PROFILE

PROJECT: FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYBURG, WOOD COUNTY, OHIO

DATE: 11.3.2025
SCALE: AS NOTED
DESIGNED: BLW DRAWN: KSG
CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141
DRAWING: 10-10141SPO01A1B

SHEET 8 OF 8

RECORD CONSTRUCTION 10/28/25

WATER MAIN AS BUILT
FOR
FALLS AT RIVERS EDGE PLAT 4

CITY OF PERRYSBURG, WOOD COUNTY, OHIO

INDEX OF SHEETS

TITLE SHEET	.1
GENERAL NOTES AND DETAILS	2-4
PLAN AND PROFILE	5-7

BENCH MARK DATA

WOOD COUNTY BENCH MARK
MCO668 USGS SURVEY DISC IN CONCRETE MONUMENT
SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE
ROAD & FIVE POINT ROAD.

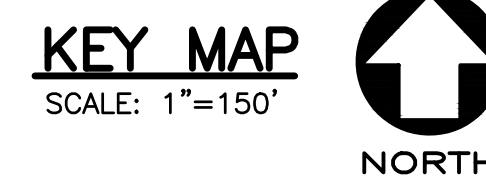
ELEVATION 650.10

SITE BENCH MARK #82
RIM OF STORM MANHOLE @ STATION 29+96.77, 25.91' RT.
FALLING WATERS EDGE

ELEVATION 649.20

SITE BENCH MARK #51
RIM OF STORM MANHOLE @ STATION 39+82.03, 24.17' LT.
HOMESTEAD DRIVE

ELEVATION 649.64



WATERMAIN SUMMARY

QTY.	UNIT	DESCRIPTION
1,844	FT.	8" WATERMAIN
7	EACH	HYDRANT ASSEMBLY (PARALLEL TO MAIN)
4	EACH	8"~45' BEND
3	EACH	8" X 8" X 8" TEE
4	EACH	8" LINE VALVE IN VALVE BOX
5	EACH	3/4" CHLORINATION TAP
47	EACH	WATER TAPS (EXCAVATION ONLY)

APPROVALS:

Matt Choma 2/10/2025
CITY OF PERRYSBURG
DIRECTOR OF PUBLIC UTILITIES
MATT CHOMA, P.E. DATE

Jerry Greiner 2/14/25
NORTHWESTERN WATER & SEWER DISTRICT DATE
EXECUTIVE DIRECTOR
JERRY GREINER

DEVELOPED BY:
GROUND SOLUTIONS
25559 ECKEL ROAD
PERRYSBURG, OHIO 43551
(419) 467-3357
MATT.GROUNDSOLUTIONS@GMAIL.COM

Matt J. [Signature] 2-7-25
NAME DATE
PRESIDENT

CONVENTIONAL SIGNS

	PROPOSED	EXISTING
SANITARY SEWER	—S—	-S-
STORM SEWER	—ST—	-ST-
WATERLINE	—W—	-W-
SANITARY MANHOLE	⊙	⊙
STORM MANHOLE	⊙	⊙
CATCH BASIN	⊙	⊙
YARD BASIN	⊙	⊙
WATER VALVE IN MANHOLE	●	⊙
HYDRANT	●	⊙
CENTERLINE	—	—
TYPE A MONUMENT	✱	✱
TYPE B MONUMENT	✱	✱
IRON PIPE	•	•

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OH0811.org
Before You Dig
OH0811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

FellerFinch & Associates, Inc.
Engineers • Surveyors

1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

REV. NO.	REVISION	DATE

WATER MAIN AS BUILT
TITLE SHEET

FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

STATE OF OHIO
BRIAN L. WEDDELMAN
E-89808
REGISTERED
PROFESSIONAL ENGINEER

Brian Weddelman
SIGNED 2/10/2025

DATE: 2/10/2025
SCALE: AS NOTED
DATE: 11.3.2025
DESIGNED: BLW DRAWN: KSG
CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141
DRAWING: 10-10141WPO01AB

SHEET 1 OF 7

RECORD CONSTRUCTION 10/28/25

P:\Projects\10E10141-The Falls at Rivers Edge-Perrysburg Ohio-Preliminary_Dwg\10-10141WPO01AB.dwg, 1, 11/3/2025 11:51:23 AM, rpawicki

PAVEMENT AND WATER MAIN SPECIFICATIONS

PART 1 GENERAL

1.1 SUMMARY

- A. Water mains and appurtenances.
 1. Water Mains shall be of PVC/PVCO pipe with ductile iron fittings.
 2. Fire Lines (Water Mains) shall be of ductile iron pipe and fittings.
- B. Pavement for local roads.
- C. Disinfection of water mains.

1.2 STANDARDS

- A. All materials and conditions shall be in accordance with Standard and Specifications of the City of Perrysburg (the City), and/or the current American Society of Testing Materials (ASTM), and/or the current American Water Works Association (AWWA) standards and specifications, and/or the current Ohio Department of Transportation (ODOT) Construction Materials and Specifications (CMS), and/or the current Ohio Environmental Protection Agency (OEPA) standards and specifications. In case of conflict, the City Standard and Specifications shall take precedence.
- B. All references to Standards and Specifications are to the latest edition, unless otherwise noted.
- C. The City's Water Main Standard Details apply to these specifications.
- 1.3 PRE-CONSTRUCTION MEETINGS, INSPECTION, AND PERMITS
 - A. All construction projects involving: connection to, relocation of, future City ownership, or work within public rights-of-way, shall require a pre-construction meeting with the Design Engineer, Contractor, on-site inspection firm, and all involved City Divisions.
 - B. As requested by the City, full time on-site inspection may be required at the expense of the Developer.
 - C. Water connection permits shall be obtained from the Department of Public Utilities Office, 211 East Boundary Street, 419-872-8050, a minimum of ten (10) calendar days prior to the start of construction.
 - D. Department of Public Utilities (419-872-8050) shall be contacted a minimum of seven (7) calendar days requesting on-site inspection when connecting to City utilities.

- E. Before any water is obtained from hydrants for construction purposes, Contractor shall secure a hydrant meter set-up by placing a security deposit with the Department of Public Utilities Office, at 211 East Boundary Street, 419-872-8050.
- F. Any work within the City's public rights-of-way requires a Street Opening Permit which is obtained from the Department of Public Utilities Office, at 211 East Boundary Street, 419-872-8050.
- 1.4 DEFINITIONS
 - A. Bedding: Material placed to a depth of 4 inches under, beside, and directly over the pipe up to a distance of 6 inches above the top of the pipe barrel, for the full width of the trench, prior to subsequent backfill operations.
- 1.5 REGULATORY REQUIREMENTS
 - A. Construction operations shall comply with the City's Noise and Vibration Control Ordinance, Section 934.11, as follows:
 1. No person shall use any pipe driver, shovel, hammer derrick, hoist tractor, roller or other mechanical apparatus operated by fuel or electric power in building or construction operations between 10:00 p.m. and 6:00 a.m. of the next day in a residential area or within 500 feet of a school or church, except for temporary conditions approved by the Director of Public Service.
 2. No person shall perform any construction or repair work on any structure or building, or perform any excavation or road work, when such work entails the use of any power operated construction type device in such a manner that the noise created thereby substantially exceeds the noise customarily and necessarily attendant to the reasonable and efficient performance of such equipment.
 3. Whoever violates any of the provisions of this section is guilty of a minor misdemeanor for a first offense and a misdemeanor of the fourth degree for any subsequent offense. Punishment shall be as provided in Ordinance Section 696.02.
 - B. In accordance with Ordinance 1040.07 Rule 24 of the City Streets, Utilities, and Public Services Code, "the water main contractor shall be required for two years after completion of the work, to make all necessary repairs, including filling and seeding if settlement occurs." For this Project, the water main contractor is the Contractor responsible for the performance of the work.
 - C. Disinfection: Comply with AWWA C651, except as modified herein.
- 1.6 PROJECT CONDITIONS
 - A. Disinfection is a responsibility of Contractor who shall provide all materials, labor, and equipment; dispose of heavily

- chlorinated water; and pay costs of bacteriological tests. A representative of the City will collect samples for and perform bacteriological tests. Samples shall not be taken by Contractor.
 1. The City will provide, without charge, water for the initial disinfection and filling. If repeat disinfection and filling is required, Contractor to pay for all water used after initial disinfection and filling.
 2. Water will be available at the current City rate.
- 1.7 QUALITY ASSURANCE
 - A. The manufacturer(s) shall provide an affidavit that all pipe, valves, fittings, and appurtenances have been manufactured and tested in accordance with the requirements of the applicable referenced Standards. A copy of the affidavit, including the project on which the material is to be used, shall be forwarded to the City prior to construction.
 - B. All pipes, fittings, valves, fire hydrants and appurtenances shall be appropriately marked for identification purposes. The materials and methods of manufacture, and completed pipes, fittings, valves, and appurtenances shall be subject to inspection and rejection at all times. The City has the right to make inspections.
- 1.8 STORAGE AND PROTECTION
 - A. At no time shall other pipes or material be placed in the pipes to be installed.
 - B. Repair damage to pipe exterior and interior surfaces; pipe so damaged subject to rejection.
- 1.9 RESTORATION
 - A. All existing features that are disturbed due to construction activities, such as mailboxes, streets, bushes, guardrails, pavement markings, swales, sewers, catch basins, curbs, seeded areas, etc. shall be replaced to their original condition, unless otherwise specified, in accordance with current ODOT specifications and to the satisfaction of the City. Existing survey monuments, bench marks, property corner points, and control points damaged or disturbed by construction shall be replaced by a registered land surveyor, licensed in the State of Ohio.
 - B. Restoration of street openings shall be in accordance with the City's Standard Street Opening Repair Details.
 - C. In existing streets, provide a temporary pavement upon completion of backfilling operations and maintain same until the permanent pavement can be placed. Temporary pavement shall be a minimum 2-inch thick asphalt concrete mix in accordance with ODOT Item 614.13.

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 Standard Water Main Specifications_01-05-15.docx

PAVEMENT AND WATER MAIN SPECIFICATIONS

2.11 BEDDING MATERIAL

- A. Fine excavated material except in paved areas; standard size No. 6 stone fill as shown at fire hydrants and at blow-off assemblies, except no slag permitted.
- B. ODOT No. 67 or No. 57 crushed limestone in paved areas.
- C. Concrete Thrust Blocks, Concrete Encasement, and Valve Box Concrete Collar: ODOT Class C Concrete.

2.12 LOCAL ROADS

- A. Asphalt Concrete Pavement:
 1. -1/2 inches ODOT Item 448, Type 1 (medium traffic) Surface Course, PG 64-22.
 2. 2 inches ODOT Item 448, Type 2 (medium traffic) Intermediate Course, PG 64-22.
 3. 10 inches ODOT Item 304, Aggregate Base (placed in 2 lifts)
 4. On aggregate base, apply ODOT Item 408 Prime Coat at rate of 0.35 gallons per square yard. Installation to be directed by the City.
 5. ODOT Item 407; apply tack coat at the rate of 0.04 gallons per square yard to be placed between intermediate and surface courses and joints.
 6. Sealer for Contact and Mating Surfaces and Joints: Comply with ODOT Items 401.14 and 401.17.
 7. Pavement Sealer: When requested by and as approved by the City.
- B. Concrete Driveways and Parking Areas:
 1. Pavement: ODOT linear 452 Non-Reinforced Portland Cement Concrete Pavement.
 2. Reinforcement: Match existing.
 - a. Commercial Drives: minimum 9 inch thick or match existing.
 - b. Residential Drives: minimum 6 inch thick or match existing.
 3. Hook Bolts or Deformed Bars in Roadways:
 - a. Provide 5/8-inch hook or deformed bolts where new abuts existing.
 - b. Furnish and install at 30 inches center to center where new abuts existing longitudinally.
 - c. When thickness is less than 10 inches, as determined by the City, furnish and install at 20 inches center to center where new abuts existing transversely.
 - d. When thickness is greater than 10 inches, as determined by the City, furnish and install at 26 inches center to center where new abuts existing transversely.

- TEN) bolts, nuts, and washers. B. Bolts and appurtenances shall be NSS Industries COR-BLUE (COR-TEN) Bolts, or as approved, coated with a ceramic-filled baked-on fluorocarbon resin.
- 4. Anchoring Pipe Manufacturers: American Cast Iron Pipe Company, Clow Corporation, United States Pipe and Foundry Company, or as approved.
- 2.6 BACKFILL
 - A. Earth Backfill: Excavated earth material, finely divided and free of stones 3 inches or greater in any dimension to at least 3 feet above pipe top.
 - B. Granular Material: ODOT Item 304 crushed limestone.
 - C. Control Density Fill (CDF): A mix of Portland cement, fly ash and selected granular materials with a compressive strength of 100 psi; Kuhlman Corporation "K-Krete", or as approved.
- 2.7 BACTERIA SAMPLING AND FLUSHING ASSEMBLIES
 - A. Follow Service Connection Assemblies as shown above, with the following modifications:
 1. Curb box is not required.
 2. A ball valve may be substituted for the curb stop.
 - a. Manufacturers: Stockham, Model S-216; Nibco, Model No. S-585-70 or T-585-70; or as approved.
 - b. Bronze, two-piece body, chrome-plated, brass ball, Teflon seats and stuffing box ring, lever handle and balancing stops; solder or treated ends with union.
 3. Approved piping and fittings (90 degree elbow) shall be provided a distance of 4 feet above grade.
 4. Valve shall be located to allow individual taking sample to turn valve on/off while holding sampling jar.
- 2.8 POLYETHYLENE ENCASEMENT
 - A. AWWA C105, 8 mil linear low-density polyethylene tube or 4 mil high density, cross-linked polyethylene tube; 2 inch wide plastic-backed, adhesive tape, bond to both metal surfaces and polyethylene film.
- 2.9 TRACE TAPE
 - A. Inert bonded layer plastic with metallized foil core, 6 inches wide, resistant to alkalis, acids and other destructive chemical components encountered in soils; APWA Uniform Color Code, brightly colored; imprinted indicating pipe type; Grifflyn Company Terra Tape "D", Seton Name Plate Corporation, or as approved.
- 2.10 JOINT BOLTS AND NUTS
 - A. All ductile iron fittings, and appurtenances (valves, hydrants, restrained joints, etc.) shall be installed with COR-BLUE (COR-

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 Standard Water Main Specifications_01-05-15.docx

PAVEMENT AND WATER MAIN SPECIFICATIONS

PART 2 PRODUCTS

- D. Regrade and reshape all road shoulders and all ditches and swales from existing high points to existing drainage structures or other outlets along the proposed improvement. Ditches, which are reshaped, shall have reasonable side slopes. Vertical or steep slopes shall not be permitted.
- E. Seed all disturbed earth areas using the hydrosed method or placement of sod, both seed mixture and sod type shall be as approved by the City.
- 2.1 PIPE AND FITTINGS
 - A. PVC/PVCO Pipe with Ductile Iron Fittings:
 1. Pipe: AWWA C900, DR 18, Pressure Class 235 for 4 inch through 12 inch diameter; AWWA C905, DR25, pressure class 185 for 14 inch diameter and larger; and AWWA C909, Pressure Class 150 for 4 inch through 24 inch diameter; cast iron equivalent O.D.; integral wall-thickened bell end type incorporating elastomeric gasket; furnished in nominal 20 foot laying lengths.
 2. Fittings: AWWA C110 or C153, AWWA C111 rubber gasket joints, with all fittings to be polyethylene encased when buried.
 - a. Exterior Coating: Asphaltic material, or AWWA C116 fusion-bonded epoxy coating.
 - b. Interior Lining: AWWA C104 cement mortar with seal coat, or AWWA C116 fusion-bonded epoxy coating.
 3. Joints: Push-on, with joints within the lengths noted on the Standard Details to be restrained type joints.
 - a. Restrained joints shall be MEGALUG or retainers with Mega-Bond Coating System, as manufactured by EBAA Iron, Inc., or as approved, of ductile iron and with a working pressure at least equal to that of the PVC pipe on which to be installed, and a minimum safety factor of 2.1.
 - B. Ductile Iron Pipe and Fittings:
 1. Pipe: Designed in accordance with AWWA C150, minimum Thickness Class 52, with polyethylene encasement when buried; manufactured in accordance with AWWA C151; furnish in minimum nominal 18 foot laying lengths.
 2. Fittings: AWWA C110 or C153, with C153 fittings to be polyethylene encased when buried.
 3. Exterior Coating: Asphaltic material. Fittings may be coated with a fusion-bonded epoxy coating in accordance with AWWA C116.
 4. Interior Lining: AWWA C104 cement mortar with seal coat, or AWWA C116 fusion-bonded epoxy coating.
 5. Joints: AWWA C111, rubber gasket, push-on or mechanical type, with restrained type joints and river crossing pipe joints to be provided within the lengths noted on Drawings.

- a. For all bolted joints, bolt length shall be such that all threads of the nut will be engaged.
 - b. Restrained push-on joints shall be completely boltless; MoWane Super-Lock, American Flex-Ring, U.S. Pipe TR Flex, or as approved. Restrained mechanical joints shall be MEGALUG with Mega-Bond Coating System as manufactured by EBAA Iron, Inc., or as approved, of ductile iron and with a working pressure of at least 250 psi and a minimum safety factor of 2.1.
- 2.2 BUTTERFLY VALVES
 - A. Manufacturers: Clow, DeZurik; Henry Pratt Co.; Kennedy; or as approved.
 - B. AWWA C504, Class 150B; designed specifically for buried service; stainless steel shafts; mechanical joint ends when buried, fully gasketed, grease-packed, water-tight, self-locking actuator with standard AWWA operating nut and mechanical stop limiting devices, open by turning left (counterclockwise), bolts, nuts, and washers used by manufacturer to assemble valves to be Type 304 stainless steel.
 - C. If required, provide operator with an extension stem such that operating nut is located no more than 4 feet below grade. Center extension stem in the valve box by approved stem guides.
- 2.3 GATE VALVES
 - A. Manufacturers: American Flow Control; Clow; Kennedy; Mueller; or as approved.
 - B. AWWA C508 cast iron, bronze-mounted, or AWWA C515 ductile iron, bronze-mounted, polyethylene encased when buried installation; designed for 200 psi working pressure; mechanical joint ends, AWWA C111, except for lapping valves; non-rising stem type with standard AWWA nut; stem seal consisting of at least two Buna-N rubber O-rings; open by turning left (counterclockwise); bolts, nuts, and washers used by manufacturer to assemble valves to be Type 304 stainless steel.
 - C. If required, provide operator with an extension stem such that operating nut is located no more than 4 feet below grade. Center extension stem in the valve box by approved stem guides.
- 2.4 VALVE BOXES
 - A. Coated cast iron, three-piece screw type, 5-1/4 inch shaft; heavy, neat fitting cover with the word "WATER" cast on the top.
 - B. Base shall cover the entire valve bonnet section.

- C. Length sufficient such that when installed, the cover top shall be flush with surrounding surface with each section properly engaged.
- 2.5 FIRE HYDRANT ASSEMBLIES
 - A. Includes fire hydrant, auxiliary valve and valve box, piping, and appurtenances.
 - B. Fire Hydrant:
 1. Manufacturers: American Flow Control; Kennedy; Mueller; Clow, or as approved.
 2. AWWA C502, compression type, 5-1/4 inch valve opening, 5-sided operating nut open by turning left (counterclockwise); traffic model with frangible barrel section and stem coupling; finished operating drain valve installed in open position; 6 inch mechanical joint base, designed so water hammer will be prevented when properly operated.
 3. Two 2-1/2 inch hose nozzles, 7-1/2 threads per inch, and one 5 inch Storz steamer fitting.
 4. Suitable for setting in trenches of depths and in locations shown; Contractor responsible for determining hydrant depth of bury based on locations shown.
 5. Verify that the direction of opening, hydrant pumper nozzle, operating nut, outlet nozzle cap nuts and hose threads conform to those in the system before the new hydrants are shipped.
 6. Factory Finish: Each hydrant shall be given two coats of good quality weatherproofing paint before leaving the factory and another coat after installation. The portion of hydrants below ground shall be painted with black paint; the portion above ground shall be painted to match existing hydrants throughout Wood County. The color shall be submitted to the City for approval prior to application on the new hydrant.
 - C. Auxiliary Valve and Valve Box: Auxiliary valves and valve boxes shall be gate valves and valve boxes as specified in Articles 2.3 and 2.4, with valves to have end suitable for receiving the spigot end of 6 inch anchoring pipe.
 - D. Piping:
 1. Ductile Iron Pipe: AWWA C150, AWWA C151; asphaltic material, or AWWA C116 fusion-bonded epoxy exterior coating; AWWA C104 cement mortar with seal coat, or AWWA C116 fusion-bonded epoxy interior lining.
 2. AWWA C110 or C153 mainline tees with standard mechanical joint branch for connecting to anchoring pipe and fittings, and mechanical joint anchoring type branch when connecting to an auxiliary valve; coated and lined as specified for pipe. C153 fittings to be polyethylene encased when buried.

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 Standard Water Main Specifications_01-05-15.docx

PAVEMENT AND WATER MAIN SPECIFICATIONS

2.11 BEDDING MATERIAL

- E. Water Main Minimum Height of Cover: 5 feet.
- 3.2 BEDDING
 - A. Place bedding material at trench bottom and shape for accurate placement and proper support of pipe.
 - B. Place bedding material (ODOT No. 67 or No. 57 crushed limestone) under, beside, and to 12 inches over the pipe sewer for the full width of the trench; place in 6 to 12-inch layers, loose measure, and work the crushed stone around the pipe to provide even support, to fill all voids, and to lightly compact the crushed stone (by hand).
 - C. Carefully place and tamp so as not to puncture polyethylene encasement, or damage or displace joints or pipe. Do not drop material directly on pipe.
 - D. Construct thrust blocks at plugs as detailed. Place against firm, undisturbed soil. Protect end of plug from concrete adhesion to allow future removal.
 - E. Construct concrete encasement under ditches as shown.

3.3 INSTALLATION - WATER MAIN PIPE AND FITTINGS

- A. Provide non-conducting dielectric connections wherever jointing dissimilar metals.
- B. Install water mains at a minimum 10 foot horizontal distance from sewers and manholes and at a minimum 18-inch vertical distance from sewers at their crossing, both as measured between the outside of pipe walls. At crossings, install one full length of water line pipe so both joints will be as far from the sewer as possible.
- C. Install pipe in locations and at grades shown or specified, except as otherwise permitted or ordered by the City to avoid existing or proposed utility lines or other obstructions encountered; to secure a more readily accessible position for trenching; or to facilitate the location of various pipe appurtenances; avoid high and low points in the main
- D. Use suitable fittings, usually 1/8 bends, when abrupt grade changes of the pipe are necessary to avoid existing utilities or other obstructions, so as to secure an easy flow of liquid and to provide sufficient cover below same unless noted otherwise.
- E. Install pipe to allow for expansion and contraction without stressing pipe or joints.
- F. Deflect pipe joints in strict accordance with pipe manufacturer's instructions.

- G. Locate pipe to maintain a minimum clearance of 18 inches in all directions; with respect to other utilities, to allow for taps to be inserted.
- H. With push-on joints, wipe surfaces that contact rubber gasket clean and dry just prior to making joint. Use a lubricant in accordance with the manufacturer's instructions when making joint.
- I. With mechanical joints, brush surfaces that contact rubber gasket with soapy water to remove all sand and grit just prior to making joint.
- J. Install tracer tape continuous over top of PVC pipe; locate 18 inches below finished grade.
- K. Install polyethylene encasement for all ductile iron pipe, fittings, and appurtenances; comply with AWWA C105 Method A and manufacturer's instructions. Completely tape all overlaps and seams. Repair all rips, punctures, and other damage to the polyethylene.
- L. Provide polyethylene encasement for each ductile iron fitting for a distance of 5 feet each side thereof; comply with AWWA C105 Method A and manufacturer's instructions. Completely tape all overlaps and seams. Repair all rips, punctures and other damage to the polyethylene.
- M. Clean all pipes thoroughly inside and outside before lowering into trench; keep pipes clean during and after laying; and seal the pipe and with a water-tight plug when pipe laying is stopped for any reason.
- N. From the top of the bedding to a point 5 feet below the adjacent ground level, backfill trenches and within 5 feet of the edge of existing and proposed paved or stoned streets, alleys, driveways, sidewalks, and parking areas with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in maximum 12-inch loose layers, loose measurement. Mechanically level the crushed stone and compact each layer with an excavator-mounted vibratory plate compactor that produces a rated compactive force of at least 9 psi. Each layer to receive a minimum of two complete passes, except where CDF is indicated on the Drawings.
- O. The top 5 feet of the trench shall be backfilled with granular material (ODOT No. 304 crushed limestone). Place the crushed limestone material in maximum 12-inch loose layers and mechanically compact to not less than 100 percent of the maximum dry unit weight as determined in accordance with ASTM D698 (Standard Proctor), except where CDF is indicated on the Drawings.

L:\Engineering Division\Engineering Guests\Standard Specifications\11x17 Standard Water Main Specifications_01-05-15.docx

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig
HO811.org
Before You Dig
OH80811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
FellerFinch & ASSOCIATES, INC.
Maumee Phone: (419) 893-3680
Engineers • Surveyors
Fax: (419) 893-2982
www.fellerfinch.com

REV. NO.	REVISION	DATE

WATER MAIN AS BUILT
GENERAL NOTES AND DETAILS
PROJECT:
FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

2024 FELLER FINCH & ASSOC., INC.
SIGNED
DATE
SCALE: AS NOTED
DATE: 11.3.2025
DESIGNED: BLW DRAWN: KSG
CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141
DRAWING: 10-10141WPO01AB
SHEET 2 OF 7

RECORD CONSTRUCTION 10/28/25

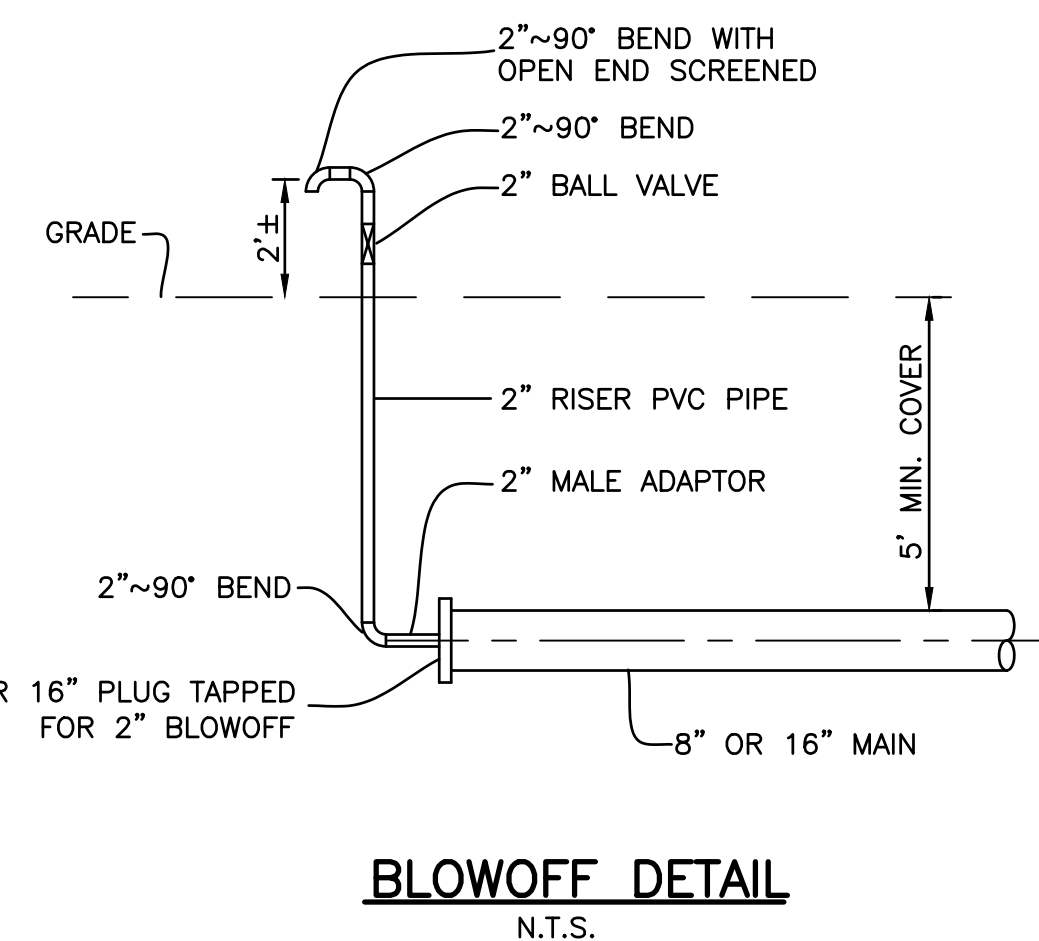
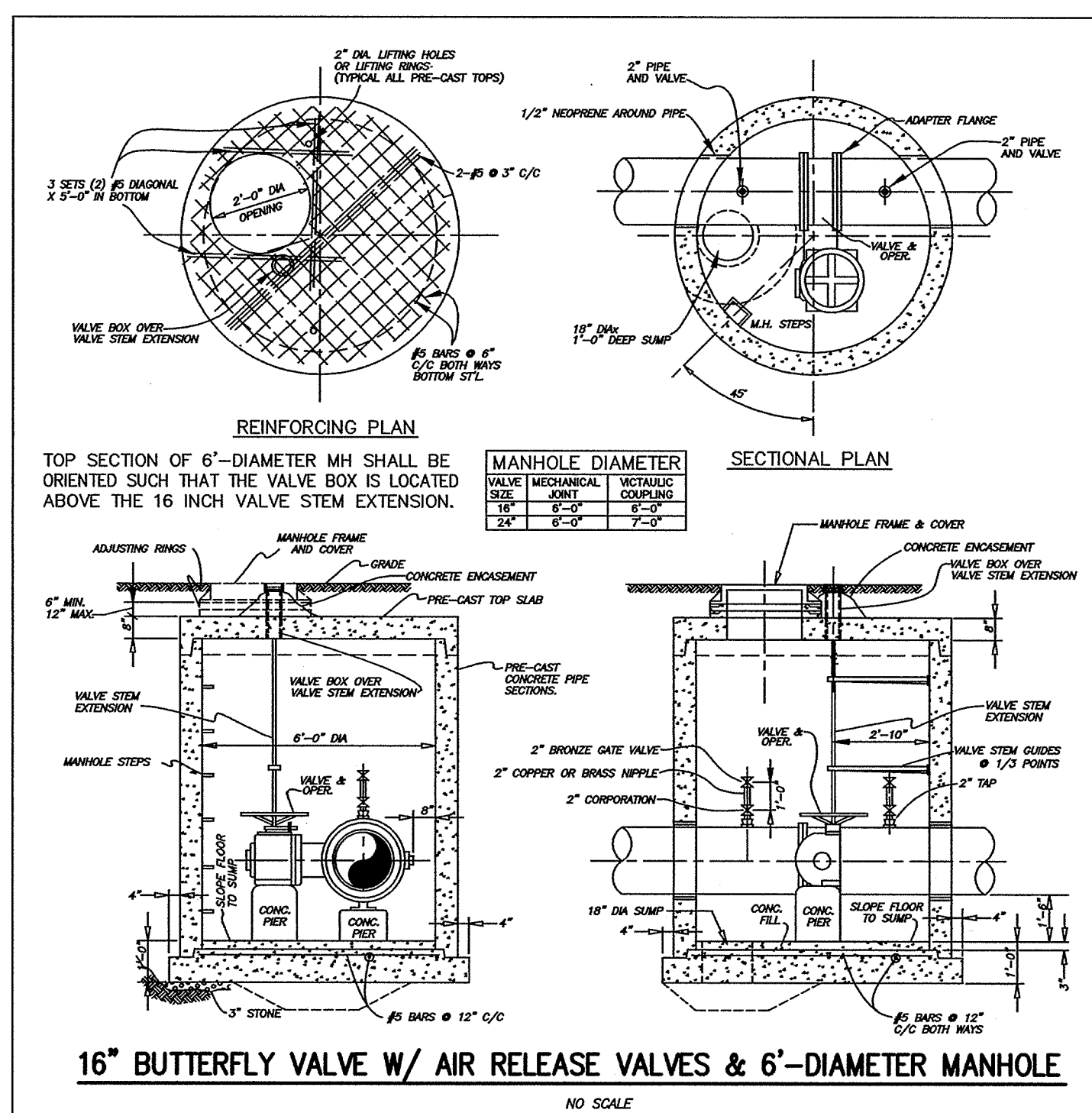
- PAVEMENT AND WATER MAIN SPECIFICATIONS
- E. Set hydrant and auxiliary valve on native hardwood blocking; provide stone fill up to drainage port.
- F. If necessary, as determined by City, to set a fire hydrant at a greater depth of bury as a result of changing hydrant location from that shown, adjust elevation by furnishing and installing the fire hydrant manufacturer's standard barrel and stem extensions.
- G. Install polyethylene encasement for all buried auxiliary valves and fire hydrant assemblies as specified for water main pipe and fittings.
- H. Install polyethylene encasement for all buried gate and butterfly valves even if not provided for adjacent piping. Comply with AWWA C105 Method A and manufacturer's instructions. Completely tape all overlaps and seams. Repair all rips, punctures, and other damage to the polyethylene.
- I. Paint fire hydrant exterior above ground level with two coats City's standard paint; hydrant shall be painted yellow with bonnet painted white.
- 3.5. INSTALLATION - BACTERIA SAMPLING AND FLUSHING ASSEMBLIES; BLOW-OFF ASSEMBLIES
- A. Install assemblies as shown or noted; comply with component manufacturer's instructions.
- B. Valve shall be located to allow individual taking sample to turn valve on-off while holding sampling jar.
- C. Remove bacteria sampling and flushing assemblies after notice from City that mains have passed all tests and have been placed in service.
- 3.6. CONNECTION TO EXISTING MAINS
- A. Connect new mains to existing mains using proper fittings and in a manner acceptable to the City.
- B. Expose existing mains at connection points 10 days prior to making connections to determine elevation, verify type of pipe, confirm outside diameter of pipe, and identify type of restraints existing.
- C. No cut-ins or connections to existing mains shall be made unless at least 48 hours notice is given to the City.
- D. Plan all connecting work to reduce number of shutoffs.
- E. Two days prior to shutting valves on existing lines, notify all affected property owners and the City of such shutoff.
- F. Keep shutoff time to a minimum and do at off-peak hours.
- G. A representative of the City will operate existing valves. Contractor shall not operate existing valves.
- H. The City assumes no responsibility for any delay occasioned by special requirements or conditions which must be met in making connections.
- I. Take extreme care in making connections to prevent contamination.
- J. Before making connections to existing mains, wash all fittings, valves, and pipe with clean water, and then disinfect by washing with a chlorine solution having a residual chlorine strength of not less than 50 ppm.
- K. Plugs removed from existing mains that are not damaged may be reused within the Project, and those remaining after completion of construction shall remain the property of the City.
- L. Connections to AC pipe shall be made with appropriate fittings specifically designed for AC pipe connections, and shall be acceptable to the City. All connections to AC pipe shall be via pad adapters. AC pipe must not be cut with a saw. All cuts shall be accomplished by snap cut.
- 3.7. LOCAL ROADS (UNLESS OTHERWISE APPROVED OR DIRECTED)
- A. Prepare subgrade in accordance with ODOT Item 203. Where it is necessary to construct pavement subgrade in fill, remove the existing topsoil beneath the proposed subgrade.
- B. Asphalt Concrete Pavement:
- 1-1/2 inches ODOT Item 448, Type 1 (medium traffic) Surface Course, PG 64-22.
 - 2 inches ODOT Item 448, Type 2 (medium traffic) Intermediate Course, PG 64-22.
 - 10 inches ODOT Item 304, Aggregate Base (placed in 2 lifts).
 - On aggregate base, apply ODOT Item 408 Prime Coat at rate of 0.35 gallons per square yard. Installation to be directed by the City.
 - ODOT Item 407; apply tack coat at the rate of 0.04 gallons per square yard to be placed between intermediate and surface courses and joints.
 - Sealer for Contact and Mating Surfaces and Joints: Comply with ODOT Items 401.14 and 401.17.
 - Pavement Sealer: When requested by and as approved by the City.
- C. Concrete Driveways and Parking Areas: ODOT Item 452.

- PAVEMENT AND WATER MAIN SPECIFICATIONS
- 3.11. PRESSURE AND LEAKAGE TEST
- A. Subject all mains to a pressure and leakage test before connecting to existing mains and before making connections between water mains of differing pipe materials.
- B. Test each valve-to-valve section separately. If Contractor elects to test more than one valve-to-valve section, the allowable leakage for the test will be based upon the shortest valve to valve section in the test.
- C. For Mains of PVC Pipe Material: Perform in accordance with AWWA C605 and the following:
1. Isolate main from adjacent existing main and new main of differing pipe materials, and apply pressure by pumping clean water from a sterilized container into the main via 1 inch corporation stops.
 2. Test pressure shall be 150 psi, unless valves in existing mains are involved within section of new main being tested, in which case test pressure may be 100 psi if the City determines that the older existing valves may not seal properly; and shall not vary by more than +5 psi.
 3. Start pressure test in an afternoon and keep pressure on for 18 hours, and then maintain test pressure for an additional 2 hours by pumping water from the container into the main.
 4. At the end of the 2 hour period, measure the water used.
 5. Loss by leakage shall not exceed that as determined by the following formula:
- $$L = \frac{NDVP}{7,400}$$
- L = allowable leakage (gallr)
N = #joints in pipe tested
D = nominal dia. of pipe
P = avg test pressure
- $$L = \frac{SDVP}{148,000}$$
- L = allowable leakage (gallr)
S = length of pipe tested
D = nominal dia. of pipe
P = avg test pressure
6. When testing against closed metal-seated valves, allow an additional leakage per closed valve of 0.0078 gallons/hour/inch of nominal valve size.
 7. When hydrants are in test section, perform test with closed hydrant valves.
 8. Pressure test at each side of intermediate valves at this time by shutting each valve, exhausting the pressure on one side, and applying the test pressure of 150 psi or more to the main on the opposite side of the valve for approximately 10 minutes as determined by the City. Repeat this procedure for each intermediate valve.
- D. If main and valves do not pass the leakage test, locate and repair the leak or leaks and repeat testing procedure until successful. Repair visible leaks regardless of the amount of leakage.
- E. Pressure and leakage testing is responsibility of Contractor, who shall provide all materials, labor, and equipment, and pay for the total volume of water used.
- F. For Fire Lines (Water Mains) of Ductile Iron Pipe Material: The City will oversee testing. Perform in accordance with AWWA C600 and the following:
1. Isolate mains lines from adjacent existing main and new main of differing pipe materials, and apply pressure by pumping clean water from a sterilized container into the main via 1 inch corporation stops.
 2. Test pressure shall be 200 psi, unless valves in existing mains are involved within section of new main being tested, in which case test pressure may be 100 psi if OWNER determines that the older existing valves may not seal properly; and shall not vary by more than +5 psi.
 3. Start pressure test in an afternoon and keep pressure on for 18 hours, and then maintain test pressure for an additional 2 hours by pumping water from the container into the main.
 4. At the end of the 2 hour period, measure the water used.
 5. Loss by leakage shall not exceed that as determined by the following formula:
- When testing against closed metal-seated valves, allow an additional leakage per closed valve of 0.0078 gallons/hour/inch of nominal valve size.
- When hydrants are in test section, perform test with closed hydrant valves.
- Pressure test at each side of intermediate valves at this time by shutting each valve, exhausting the pressure on one side, and applying the test pressure of 150 psi or more to the main on the opposite side of the valve for approximately 10 minutes as determined by ENGINEER. Repeat this procedure for each intermediate valve.

PIPE DIAMETER (INCHES)	CALCIUM HYPOCHLORITE GRANULES (OUNCES)
4	1.7
6	3.8
8	6.7
10	10.5
12	15.1
14 and Larger	D*15.1

Where D is the inside pipe dia. in feet - D=di/12

- PAVEMENT AND WATER MAIN SPECIFICATIONS
- 3.12. DISINFECTION
- A. Disinfect water mains after successful pressure and leakage tests; follow Standard Details for Disinfection of Water Mains.
- B. Make connections between new mains of differing pipe materials prior to disinfection.
- C. Disinfection - General:
1. Provide corporation stops required for exhausting air, for samples for testing of chlorine residual, and for chlorine solution injection.
 2. Exhaust air at fire hydrants and at bacteria sampling and flushing assemblies.
 3. Tests for chlorine residual will be performed by the City.
 4. Manipulate existing valves so strong chlorine solution in the main being treated will not flow back into the mains supplying the water. Operation of existing valves will be by the City.
 5. After the applicable retention period thoroughly flush the main out with potable water from the distribution system until the main has approximately the same chlorine content as water in the existing system.
 6. Properly dispose of heavily chlorinated water. Provide required neutralizing chemical to neutralize the chlorine residual.
 7. Mains Less Than 24 Inches in Diameter: Use the tablet method or continuous feed method.
 8. Mains 24 Inches in Diameter And Larger: Use the slug method.
 9. Perform bacteriological tests after disinfection, and before a main is placed in service.
- D. Tablet Method:
1. Provide an average chlorine dose of 25 mg/l by placing calcium hypochlorite granules or 5 gram tablets in main as it is being installed.
 2. Place granules at upstream end of first pipe section, at the upstream end of each branch main and at 500 foot intervals in the following quantities based on pipe diameter:
- | PIPE DIAMETER (INCHES) | CALCIUM HYPOCHLORITE GRANULES (OUNCES) |
|------------------------|--|
| 4 | 1.7 |
| 6 | 3.8 |
| 8 | 6.7 |
| 10 | 10.5 |
| 12 | 15.1 |
| 14 and Larger | D*15.1 |
- E. Continuous Feed Method:
1. Exhaust all air in main and flush main as thorough as possible with water pressure and outlets available. If no hydrant is installed at end of main, provide a tap large enough to develop a minimum 2.5 fps velocity in main. Disinfection can be accomplished by injecting a 1 percent chlorine solution into the main at a point not more than 10 feet downstream from beginning of new main. Pump potable water for the injector for delivering the 1 percent chlorine solution from the existing distribution system or other approved potable water source so as to flow slowly into new main during chlorine application, with rate of chlorine application in such proportion to the rate of water entering the main that the solution of clean water and chlorine in the main will have 25 mg/l minimum free chlorine.
 2. Keep the solution in the main for 24 hours, during which time all valves and hydrants in the treated section shall be operated to ensure disinfection of appurtenances.
 3. At the end of the 24 hour period, the treated water in all portions of the main shall have a residual of not less than 10 mg/l free chlorine.
- F. Slug Method:
1. Place calcium hypochlorite granules in main during construction.
 2. Fill the main slowly and completely and exhaust all air.
 3. Flush to remove particulates.
 4. Flow a slug of water with 100 mg/l chlorine concentration slowly through main so the main and its appurtenances will be exposed to the highly chlorinated water for minimum 3 hours. If at any time the free chlorine residual in the slug drops below 50 mg/l, stop the flow, relocate the chlorination equipment at the head of the slug, and as flow is resumed, apply chlorine to restore the free chlorine in the slug to minimum 100 mg/l.
- 3.13. COMPLETION OF TESTS
- A. When all tests on the water main have been successfully completed, main will be placed in service by the City.
- B. No further Work on the main, valves, hydrants, and appurtenances will be permitted without full knowledge of the Work by the City.



UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

OH0811.org
Before You Dig
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Maumee Phone: (419) 893-3680
Maumee Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch
& ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

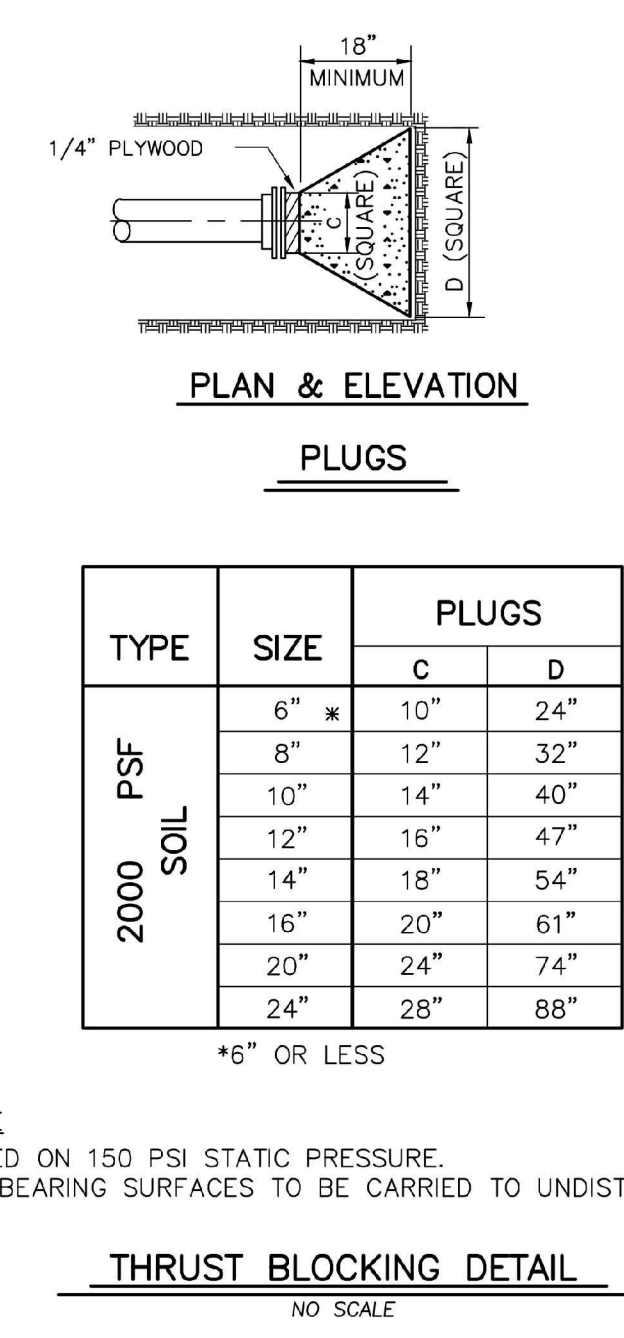
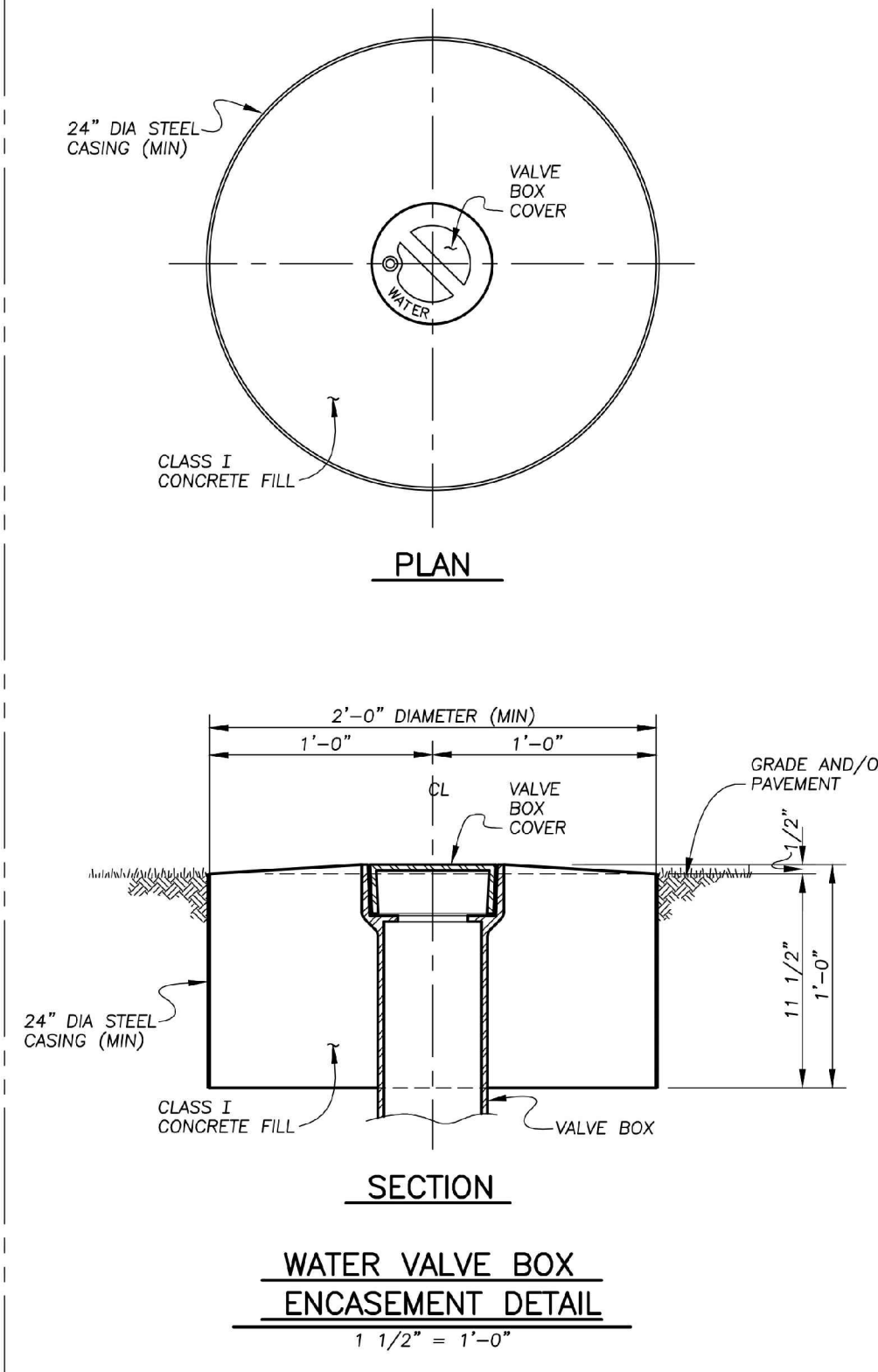
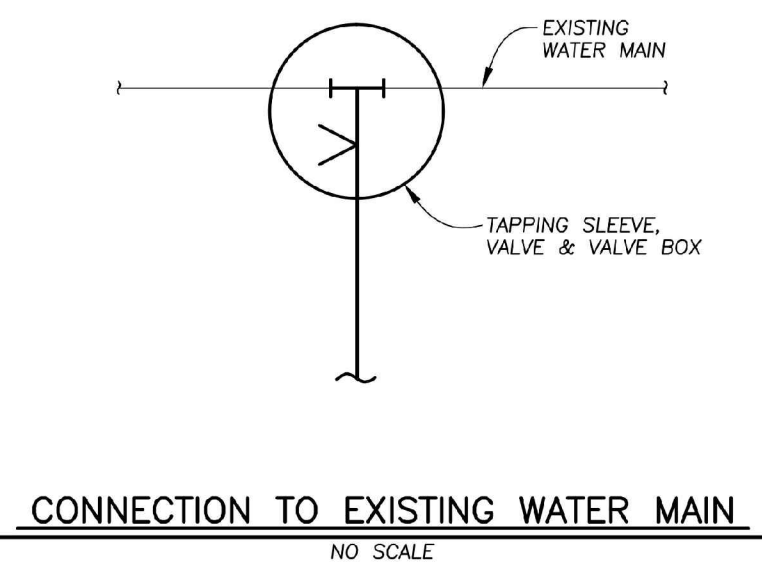
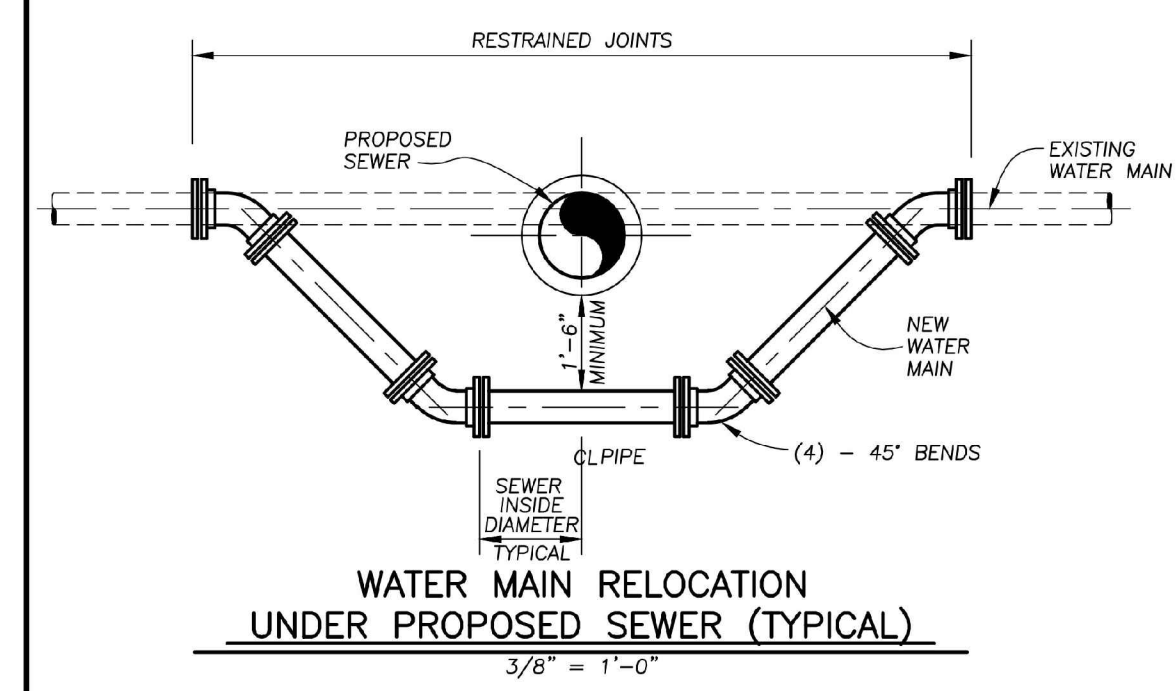
WATER MAIN AS BUILT
GENERAL NOTES AND DETAILS
PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

TITLE: WATER MAIN AS BUILT
GENERAL NOTES AND DETAILS
PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

2024 FELLER FINCH & ASSOC., INC.

SIGNED	
DATE	
SCALE	AS NOTED
DATE	11.3.2025
DESIGNED: BLW	DRAWN: KSG
CHECKED: BLW	REVIEWED: BLW
PROJECT:	10-10141
DRAWING:	10-10141WPO01AB
SHEET	3 OF 7

P:\Projects\10E10141-The Falls at Rivers Edge-Pennsylvania_Dwg\10-10141WP001AB.dwg, 4/11/2025 11:51:51 AM, rpawicki



DEAD END	LENGTHS OF RESTRAINED PIPE
8"	60'
12"	100'
16"	120'

FITTINGS	LENGTHS OF RESTRAINED PIPE FOR LARGER PIPE
REDUCER	
8" X 4"	60'
8" X 6"	40'
12" X 6"	80'
12" X 8"	60'

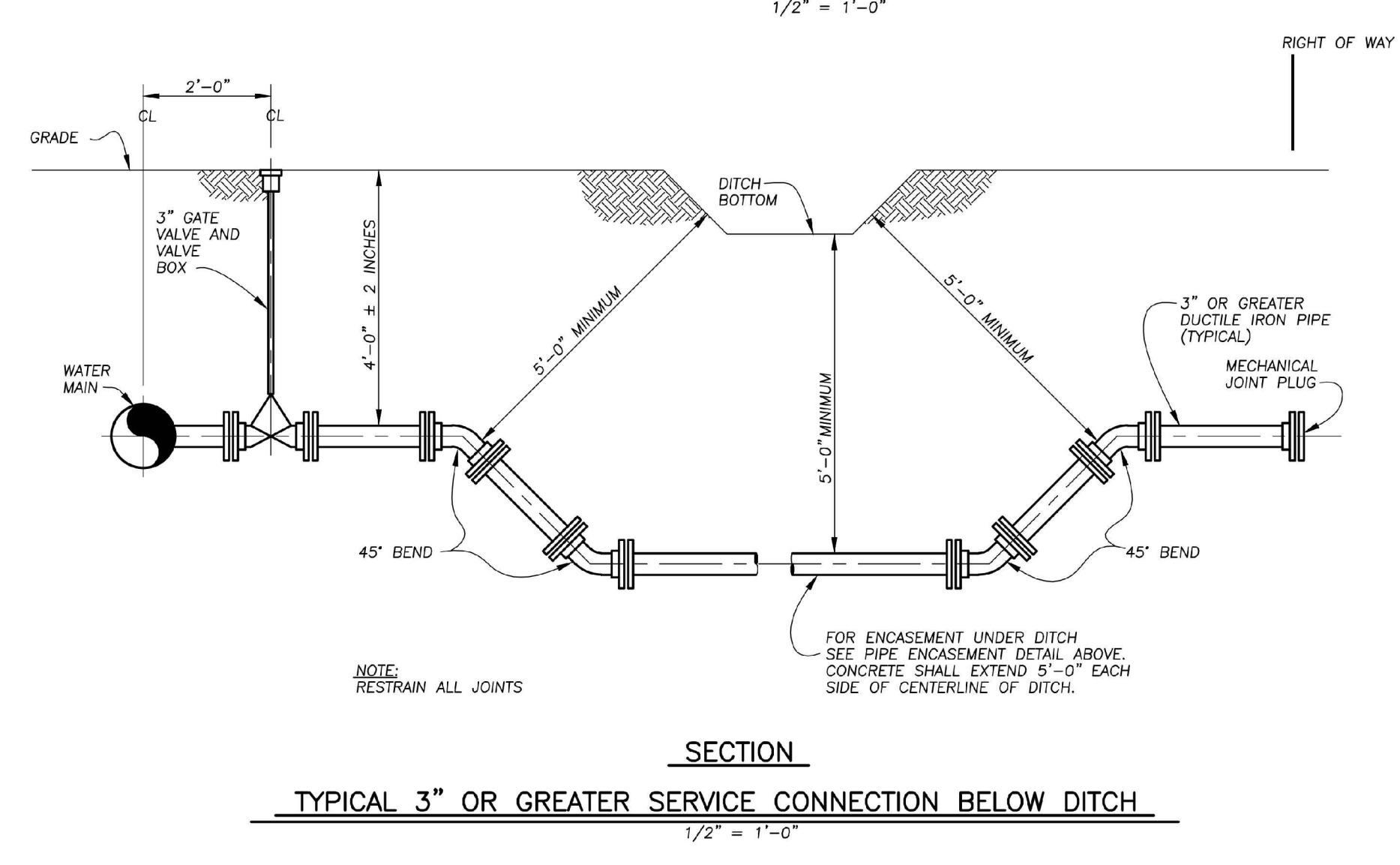
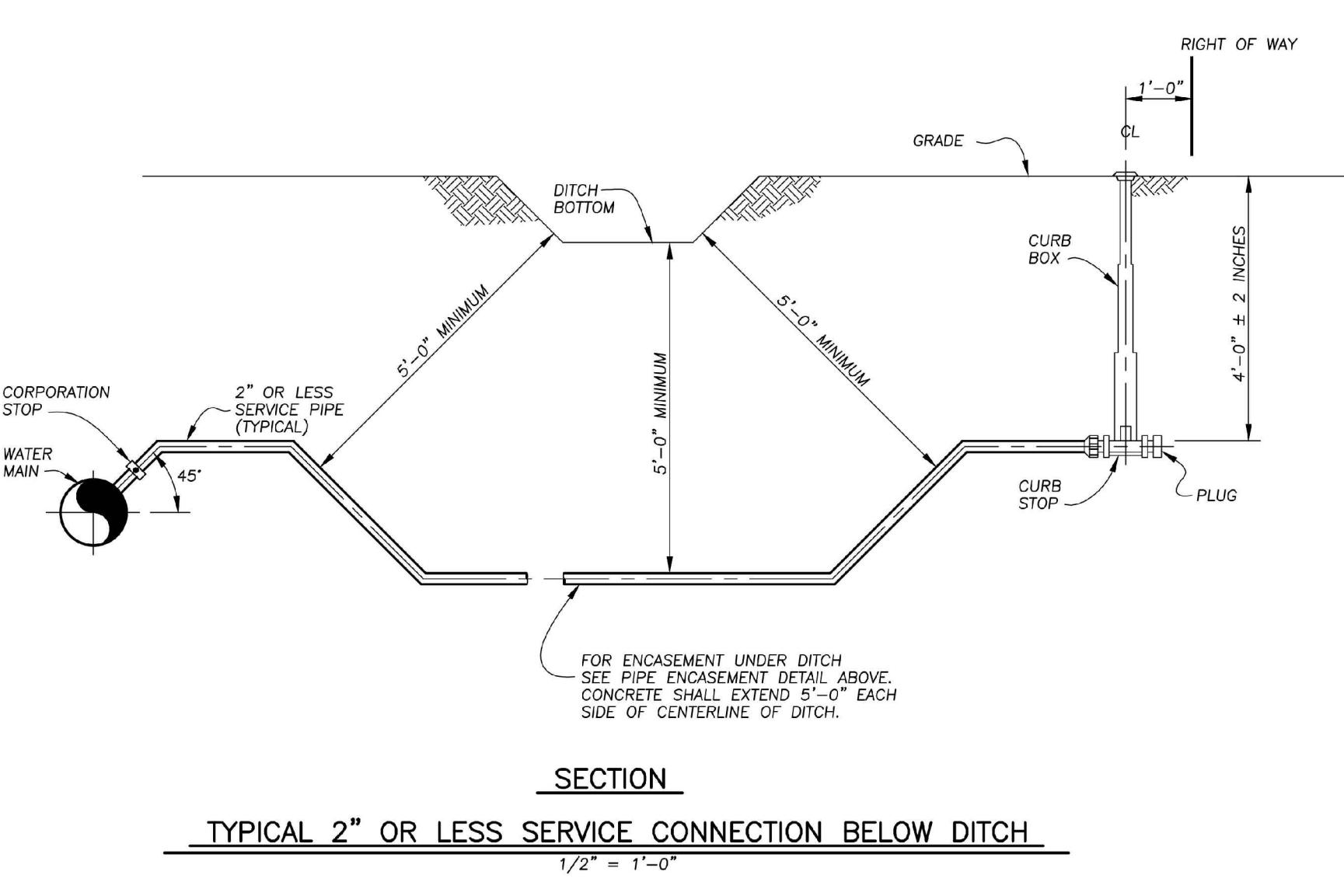
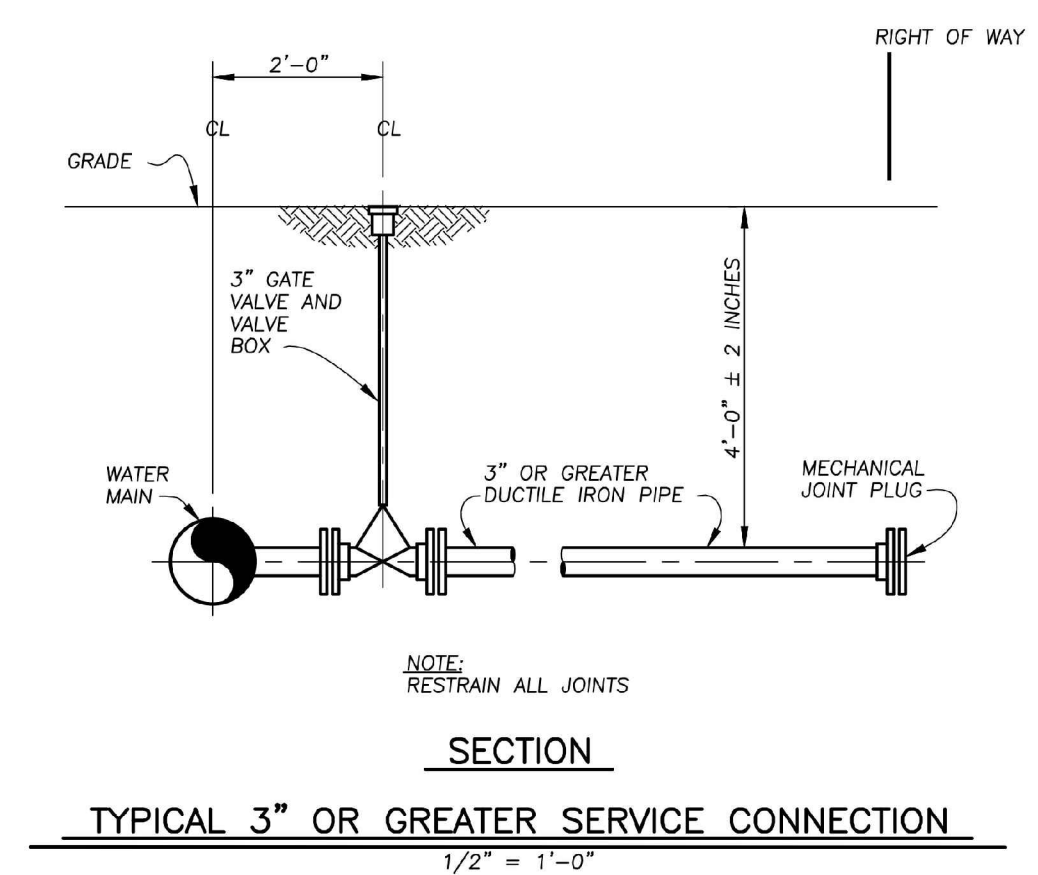
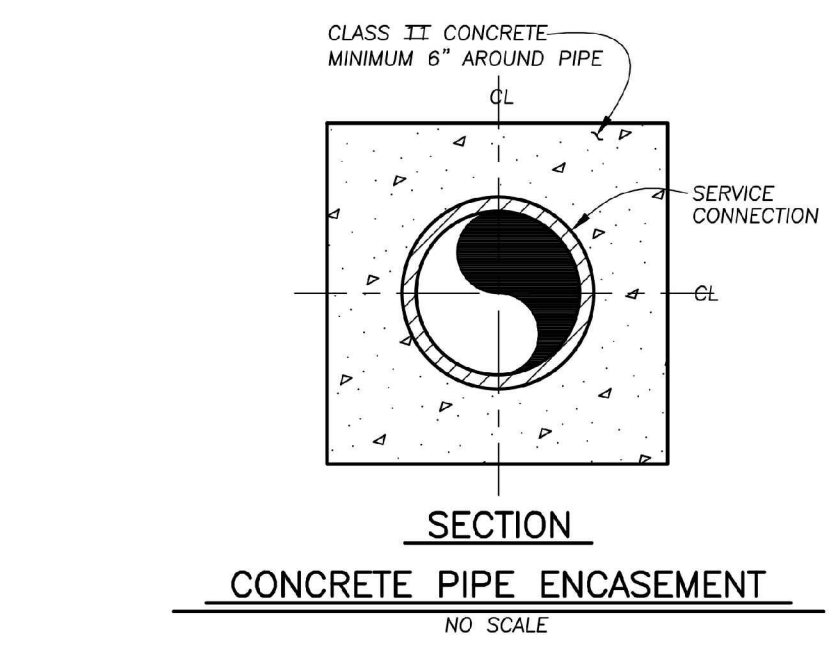
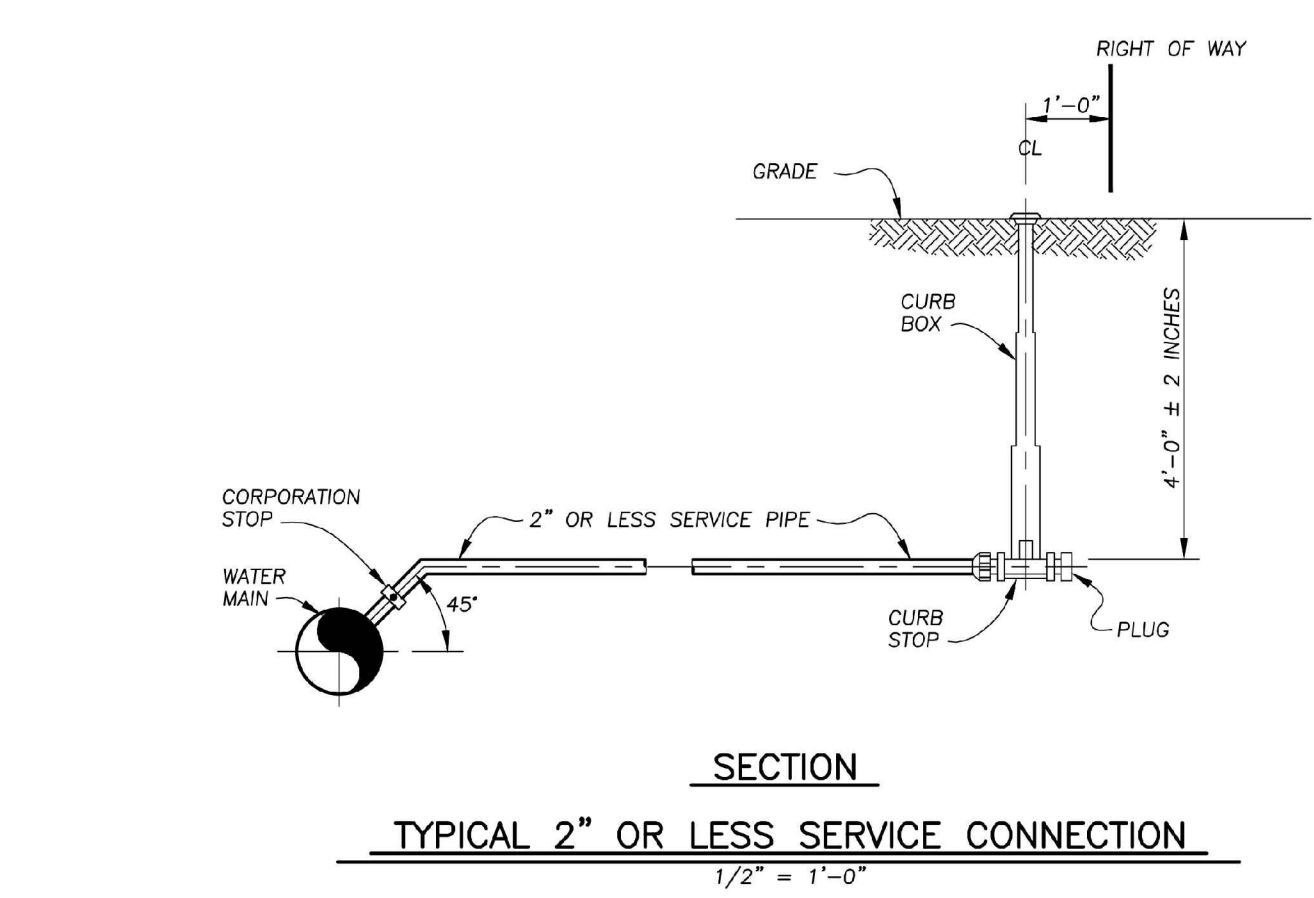
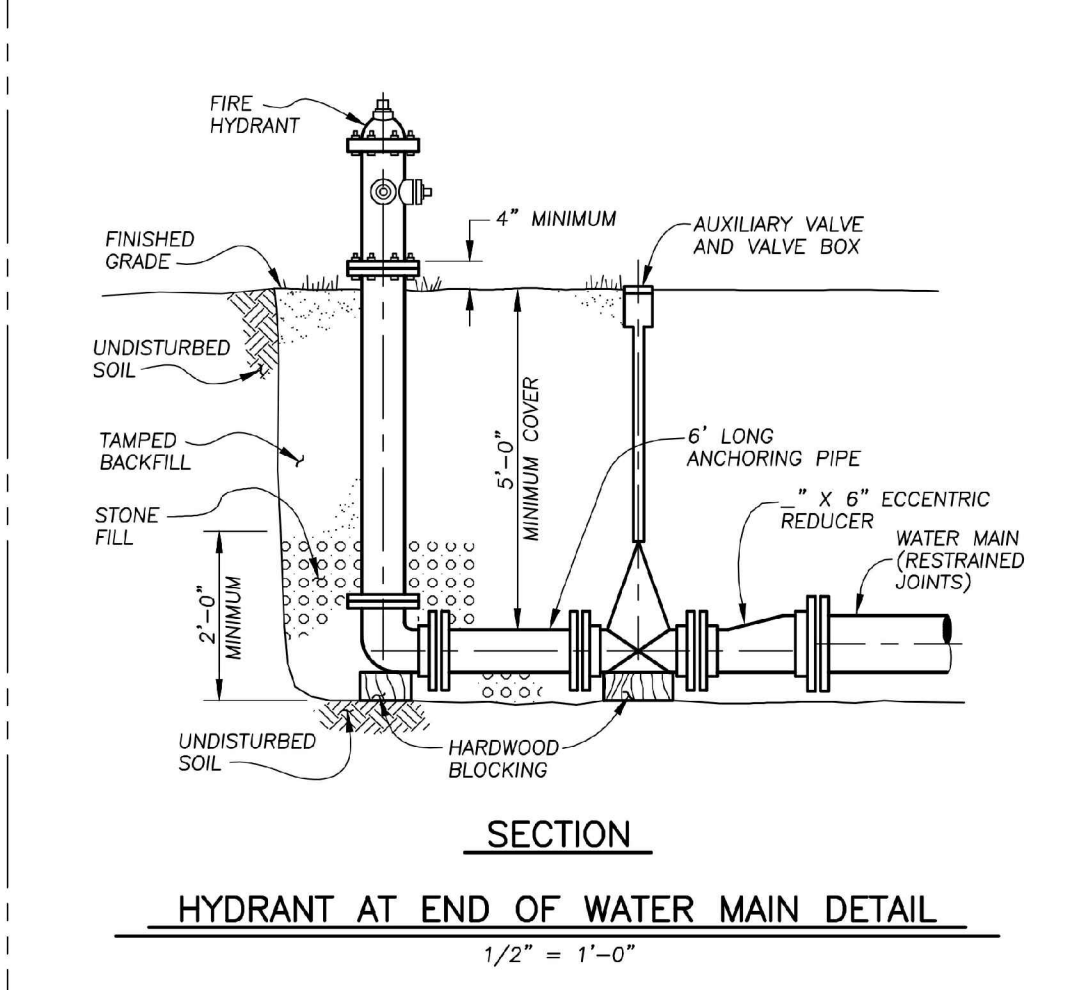
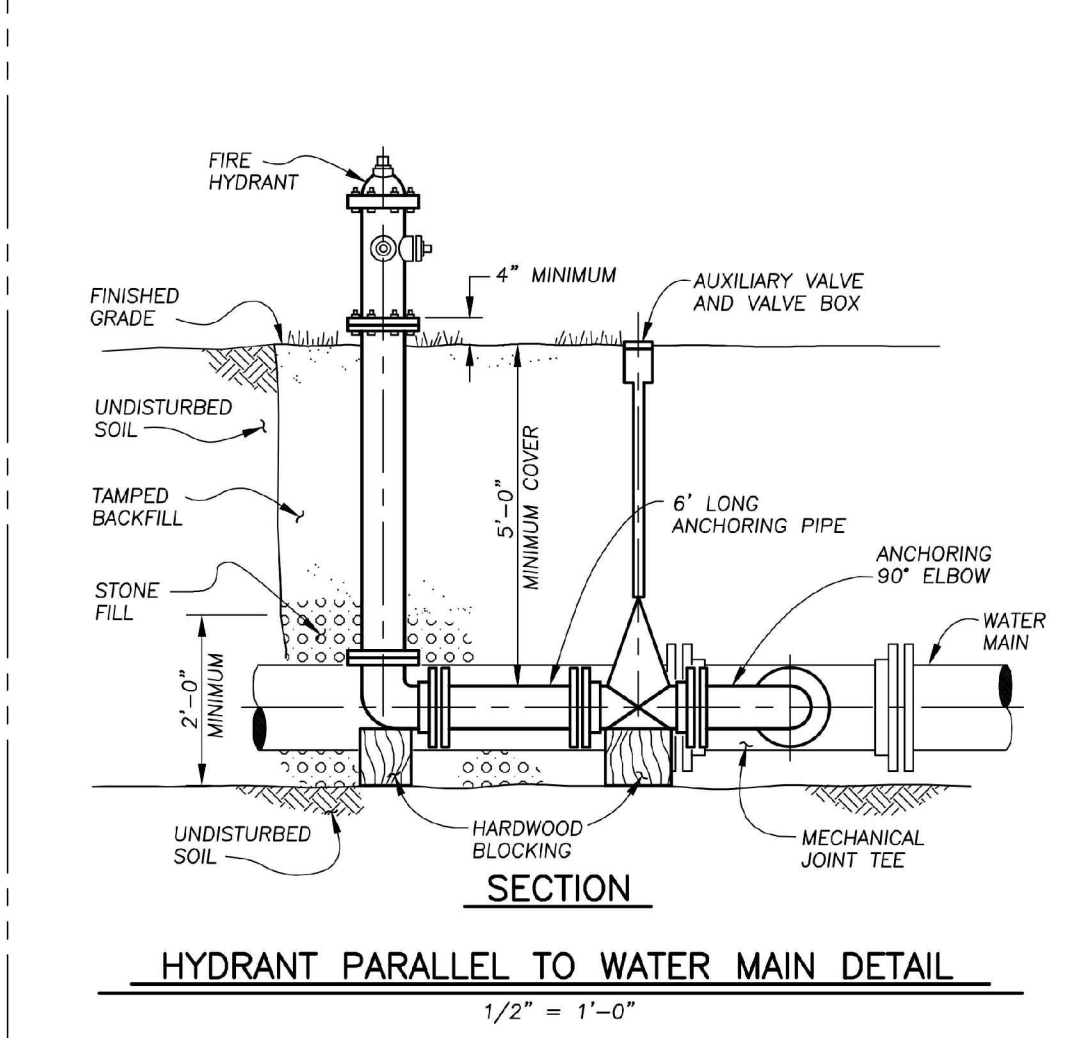
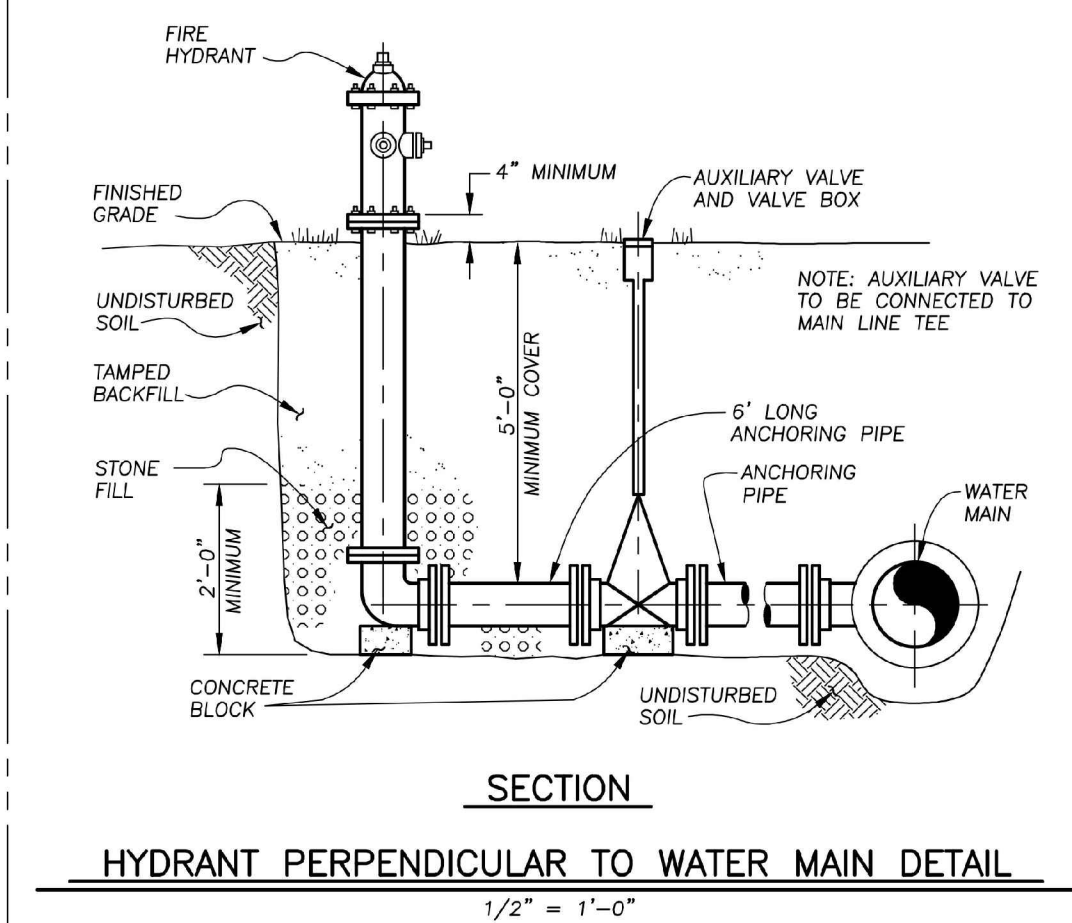
FITTINGS	LENGTHS OF RESTRAINED PIPE FOR TEE BRANCH
TEE	
8" X 6"	60'
8" X 8"	60'
12" X 6"	60'
12" X 8"	60'
16" X 12"	100'
16" X 16"	120'

FITTINGS	LENGTHS OF RESTRAINED PIPE EACH SIDE OF BEND
HORIZONTAL BEND	
8" 11 1/4"	20'
8" 22 1/2"	20'
8" 45"	40'
8" 90"	80'
12" 11 1/4"	20'
12" 22 1/2"	20'
12" 45"	60'
12" 90"	120'
16" 11 1/4"	20'
16" 22 1/2"	40'
16" 45"	60'
16" 90"	140'

FITTINGS	LENGTHS OF RESTRAINED PIPE EACH SIDE OF BEND
VERTICAL BEND (UP)	
8" 11 1/4"	20'
8" 22 1/2"	20'
8" 45"	40'
8" 90"	40'
12" 11 1/4"	20'
12" 22 1/2"	20'
12" 45"	60'
12" 90"	120'
16" 11 1/4"	20'
16" 22 1/2"	40'
16" 45"	60'
16" 90"	140'

FITTINGS	LENGTHS OF RESTRAINED PIPE EACH SIDE OF BEND
VERTICAL BEND (DOWN)	
8" 11 1/4"	20'
8" 22 1/2"	40'
8" 45"	60'
8" 90"	120'
12" 11 1/4"	20'
12" 22 1/2"	40'
12" 45"	80'
12" 90"	180'
16" 11 1/4"	40'
16" 22 1/2"	60'
16" 45"	100'
16" 90"	240'

RESTRAIN ALL JOINTS WITHIN THE INDICATED DISTANCES FOR THE FITTINGS DESCRIBED.
RESTRAINED JOINTS TABLE
BASED ON 150 PSI STATIC PRESSURE



PAVEMENT AND WATER MAIN STANDARD DETAILS
CITY OF PERRYSBURG, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF WATER

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig
HO811.org
Before You Dig
OH811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
FellerFinch & ASSOCIATES, INC.
Maumee Phone: (419) 893-3680
Engineers • Surveyors
Fax: (419) 893-2982
www.fellerfinch.com

REV. NO.	REVISION	DATE

TITLE: **WATER MAIN AS BUILT GENERAL NOTES AND DETAILS**
PROJECT: **FALLS AT RIVERS EDGE PLAT 4 CITY OF PERRYSBURG, WOOD COUNTY, OHIO**

DATE: AS NOTED
SCALE: 11.3.2025
DESIGNED: BLW DRAWN: KSG
CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141
DRAWING: 10-10141WP001AB
SHEET 4 OF 7

RECORD CONSTRUCTION 10/28/25

BENCH MARK DATA

WOOD COUNTY BENCH MARK

MC0668 USGS SURVEY DISC IN CONCRETE MONUMENT SOUTHWEST CORNER OF THE INTERSECTION OF HULL PRAIRIE ROAD & FIVE POINT ROAD

ELEVATION 650.10

SITE BENCH MARK #82

RIM OF STORM MANHOLE @ STATION 29+96.77, 25.91' RT. FALLING WATERS EDGE

ELEVATION 649.20

SITE BENCH MARK #51

RIM OF STORM MANHOLE @ STATION 39+82.03, 24.17' LT. HOMESTEAD DRIVE

ELEVATION 649.64

SITE ZONING DATA

LOCATION: CITY OF PERRYSBURG
ZONING CLASSIFICATION: R-4
MINIMUM SETBACKS:
FRONT - 25'
SIDE - 5' MIN.
REAR - 30'

SITE VOLUME TABLE (UNADJUSTED)

	CUT (C) (CU. YDS.)	FILL (F) (CU. YDS.)	NET (CU. YDS.)
ROADWAY	4,425	5,027	602 (F)
TOP SOIL	180	180	0 (-)
TOTALS	4,605	5,207	602 (F)

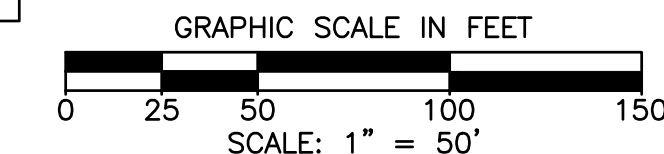
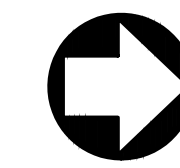
* TOPSOIL QUANTITIES ARE BASED ON A TOPSOIL THICKNESS OF 8".

SEEDING AND MULCHING

SEEDING AND MULCHING SHALL BE AS PER ODOT SPECIFICATION ITEM 659, USING SEEDING MIXTURE: 90% PERENNIAL RYEGRASS (LOLIUM PERRENNE) 10% ALSIKE CLOVER (TRIFOLIUM HYBRIDUM). SEEDING AND MULCHING SHALL INCLUDE ALL PROPOSED RIGHTS OF WAY, REAR YARD SWALES, AND ALL DISTURBED AREAS WITHIN EXISTING CITY RIGHTS OF WAY.

EASEMENT ABBREVIATIONS

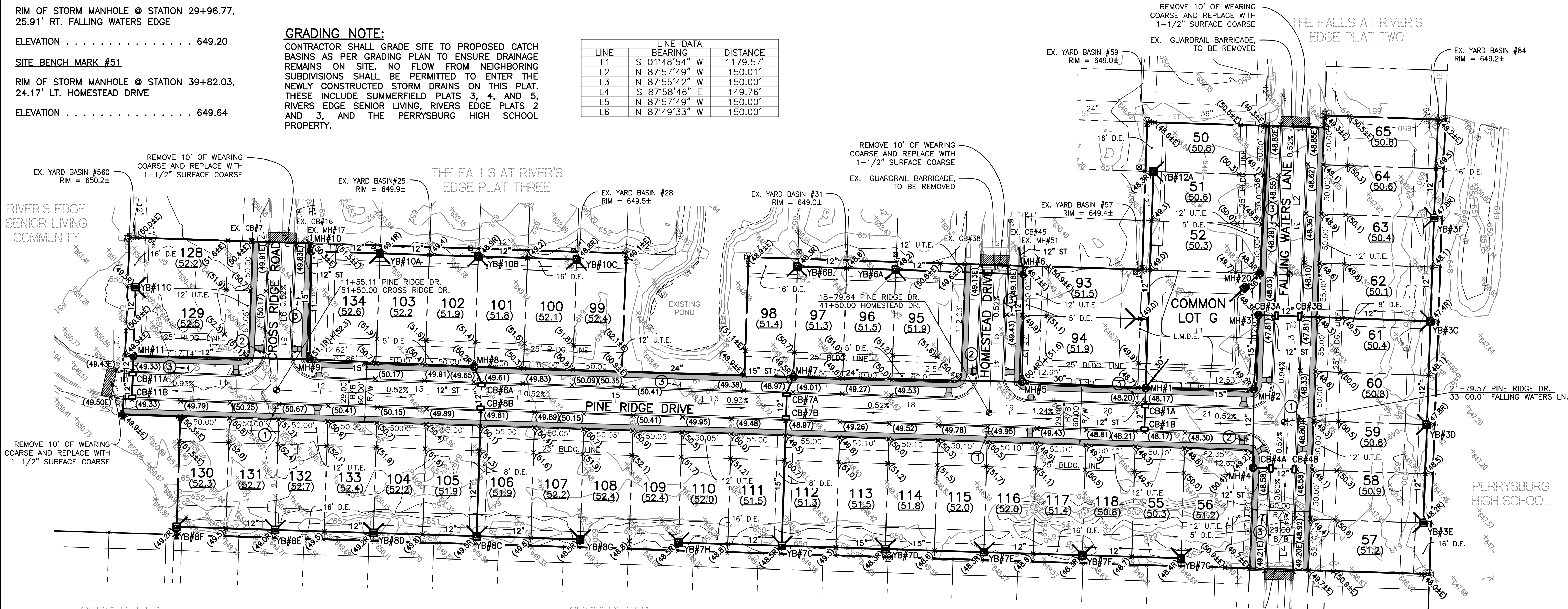
D.E. DRAINAGE EASEMENT
U.T.E. UTILITY & TOLEDO EDISON EASEMENT
L.M.D.E. LAKE MAINTENANCE & DRAINAGE EASEMENT



GRADING NOTE:

CONTRACTOR SHALL GRADE SITE TO PROPOSED CATCH BASINS AS PER GRADING PLAN TO ENSURE DRAINAGE REMAINS ON SITE. NO FLOW FROM NEIGHBORING SUBDIVISIONS SHALL BE PERMITTED TO ENTER THE NEWLY CONSTRUCTED STORM DRAINS ON THIS PLAT. THESE INCLUDE SUMMERFIELD PLATS 3, 4, AND 5, RIVERS EDGE SENIOR LIVING, RIVERS EDGE PLATS 2 AND 3, AND THE PERRYSBURG HIGH SCHOOL PROPERTY.

LINE	BEARING	DISTANCE
L1	S 01°48'54" W	1179.57'
L2	N 87°57'49" W	150.01'
L3	N 87°55'42" W	150.00'
L4	S 87°58'46" E	149.76'
L5	N 87°57'49" W	150.00'
L6	N 87°49'33" W	150.00'



STREET SIGN DATA

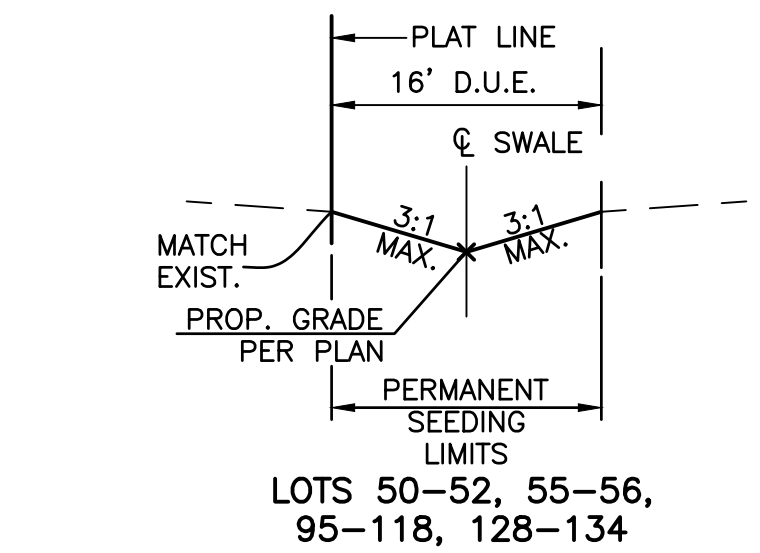
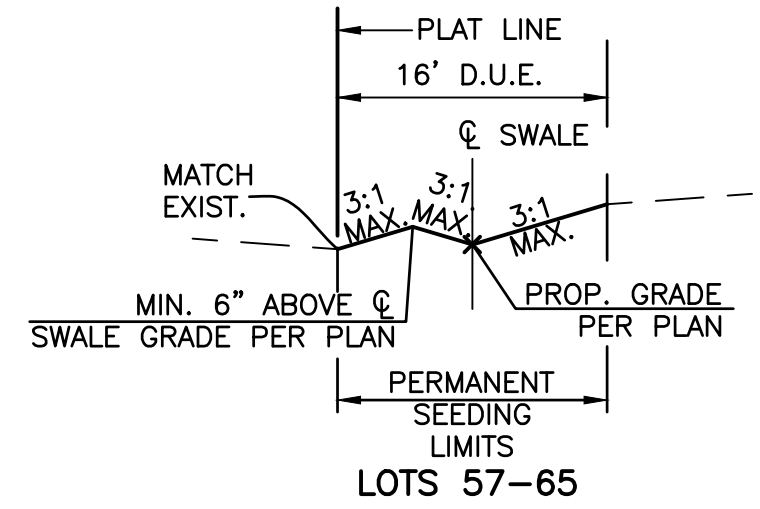
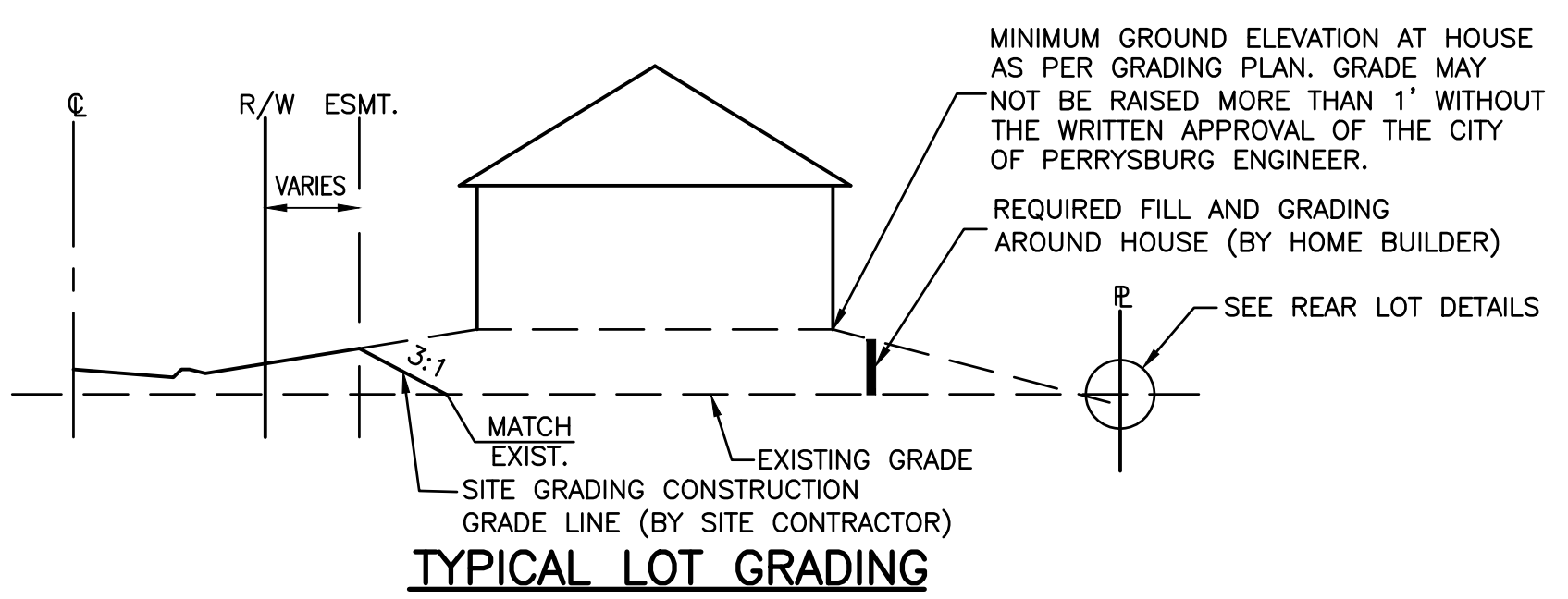
LOCATION	STATION	SIDE	PROPOSED ① "STREET NAME" SIGN PERRYSBURG STANDARD	PROPOSED ② R1-1-30 STOP (30" X 30")	PROPOSED ③ R7-1 NO PARKING ANYTIME W/ 2 WAY ARROW (12" X 18")
PINE RIDGE DRIVE	10+55	LT.			1 (1.50 SF)
PINE RIDGE DRIVE	11+55.11	RT.	CROSS RIDGE DRIVE PINE RIDGE DRIVE		
PINE RIDGE DRIVE	15+70	LT.			1 (1.50 SF)
PINE RIDGE DRIVE	18+79.64	RT.	HOMESTEAD DRIVE PINE RIDGE DRIVE		
PINE RIDGE DRIVE	20+30	LT.			1 (1.50 SF)
PINE RIDGE DRIVE	21+42	RT.		1 (6.25 SF)	
CROSS RIDGE DRIVE	50+56	LT.			1 (1.50 SF)
CROSS RIDGE DRIVE	51+11	RT.		1 (6.25 SF)	
HOMESTEAD DRIVE	40+65	LT.			1 (1.50 SF)
HOMESTEAD DRIVE	41+12	RT.		1 (6.25 SF)	
FALLING WATERS LANE	31+00	RT.			1 (1.50 SF)
FALLING WATERS LANE	33+00.01	LT.			1 (1.50 SF)
FALLING WATERS LANE	33+75	RT.	FALLING WATERS LANE PINE RIDGE DRIVE		
TOTAL				3 (18.75 SF)	7 (10.50 SF)

LEGEND

- EXISTING GROUND ELEVATIONS. +000.00
- EXISTING CONTOURS. 000
- PROPOSED ELEVATIONS. (00.0)
- PROPOSED ELEVATIONS AT HOUSE. (00.0)
- PROPOSED RIM ELEVATION. (00.0R)
- PROPOSED = EXISTING. (00.0E)
- ADD 600.00 TO ALL PROPOSED SPOT ELEVATIONS.
- ALL PAVEMENT GRADES ARE TOP OF CURB.
- = IRON PIPE (BY SURVEYOR)
- ⊕ = MONUMENT ASSEMBLY (ODOT RM-1.1) BY CONTRACTOR
- ⊗ = MONUMENT ASSEMBLY (WOOD CO. TYPE A) BY SURVEYOR
- ⊗ = EXISTING MONUMENT ASSEMBLY (WOOD CO. TYPE A)
- = 5' CONCRETE WALK & RAMPS BY OTHERS

① STREET SIGN LOCATION. SEE THIS SHEET FOR STREET SIGN DATA TABLE.

RECORD CONSTRUCTION 10/28/25



UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig

HOH0811.org
Before You Dig

OHO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

1683 Woodlands Drive,
Maumee, Ohio 43537
Phone: (419) 893-3680
Fax: (419) 893-2982
www.fellerfinch.com

FellerFinch
& ASSOCIATES, INC.
Engineers • Surveyors

REV. NO.	REVISION	DATE

TITLE: PAVEMENT & DRAINAGE AS BUILT
SITE GRADING PLAN & STREET SIGN DATA

PROJECT: FALLS AT RIVERS EDGE PLAT 4
CITY OF PERRYSBURG, WOOD COUNTY, OHIO

© 2024 FELLER, FINCH & ASSOC., INC.

SIGNED: _____
DATE: AS NOTED
SCALE: 11.3.2025
DESIGNED: BLW DRAWN: KSG
CHECKED: BLW REVIEWED: BLW
PROJECT: 10-10141
DRAWING: 10-10141DPO01AB

SHEET 8 OF 27

TO: Mayor Weber
President Rettig
Members of City Council

FROM: Timothy W. Effler, Law Director

RE: Resolutions 5-2026 and 6-2026

DATE: February 3, 2026



Subject Matter/Background

The City of Perrysburg is certified by the Public Utilities Commission of Ohio (PUCO) to provide governmental aggregation services for eligible residential and small commercial customers for both electric and natural gas services.

To support these efforts, NOAC's energy consulting company, Palmer Energy Company, Inc., issued a Request for Proposals for electric opt out aggregation services to various certified suppliers. Based on the proposals received, Palmer recommended evaluating final offers on the day of signature from two companies, Direct Energy Services, LLC (Direct) and Dynegy Energy Services (East), LLC (Dynegy). Palmer has also recommended extending the agreement with Archer Energy, LLC. to provide natural gas opt-out aggregation services to participants in the City of Perrysburg for the billing periods of June 2026 through May 2027.

These Resolutions authorize the Mayor and Director of Finance enter into a Customer Supply Agreement with Direct or Dynegy, subject to final review and approval of the Director of Law and the City's consultant, Palmer Energy, on behalf of the City of Perrysburg. And are further authorized to extent the agreement with Archer Energy, LLC. to provide natural gas opt-out aggregation services, subject to final contract approval by the Law Director and recommendation on pricing from Palmer Energy.

Financial Review

This Resolution will have no financial impact on the City of Perrysburg.

Legal Review

This legislation has been reviewed and is appropriately before you.

Recommendation

If City Council is in agreement, a motion to suspend the rules, waive the three readings and pass this Resolution as an emergency is recommended, in order to allow for all members of NOAC to sign their energy agreement at the same time and obtain the best price.

RESOLUTION 5-2026

A RESOLUTION AUTHORIZING THE MAYOR AND DIRECTOR OF FINANCE TO ENTER INTO A CUSTOMER SUPPLY AGREEMENT FOR THE PROVISION OF THIRD-PARTY ELECTRIC GENERATION FOR RESIDENTIAL AND SMALL COMMERCIAL AGGREGATION PARTICIPANTS WITHIN THE CITY OF PERRYSBURG; AND DECLARING AN EMERGENCY

WHEREAS, the City of Perrysburg is certified by the Public Utilities Commission of Ohio (PUCO) to provide Governmental Aggregation Services for its eligible residential and small businesses consuming electricity through certification # 01-080E; and,

WHEREAS, the City of Perrysburg aggregation services are governed by Chapter 4901 of the Ohio Administrative Code and section 4928.20 of the Ohio Revised Code; and,

WHEREAS, the City of Perrysburg has historically worked cooperatively with other communities in Lucas and Northern Wood Counties as part of the Northwest Ohio Aggregation Coalition (NOAC); and,

WHEREAS, through the efforts of the NOAC communities participating residential and small business consumers have saved over \$180 million on their natural gas and electricity purchases since 2001; and,

WHEREAS, NOAC's energy consulting company, Palmer Energy Company, Inc., issued a Request for Proposals for electric opt out aggregation services to various certified electric suppliers; and,

WHEREAS, the NOAC communities have met and reviewed the proposals with Palmer Energy and Palmer Energy recommended evaluating final offers on the day of signature from two companies, Direct Energy Services, LLC (Direct) and Dynegy Energy Services (East), LLC (Dynegy), to ensure the NOAC communities secured the best proposal to provide electric opt out aggregation services; and,

WHEREAS, the average annual savings for participants are expected to vary between about \$20 and \$50 over the term depending on weather.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PERRYSBURG, WOOD COUNTY, OHIO:

SECTION 1. That the Mayor and Director of Finance be, and they hereby are authorized to enter into a Customer Supply Agreement with Direct or Dynegy, subject to final review and approval of the Director of Law and the City's consultant, Palmer Energy, on behalf of the City of Perrysburg.

SECTION 2. It is found and determined that all formal actions of Council concerning or relating to the passage of this Resolution were adopted in an open meeting of the Council, and that all deliberations of this Council and any of its committees, that resulted in such formal actions, were in meetings open to the public in compliance with all legal requirements of the City of Perrysburg and the State of Ohio.

SECTION 3. This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health and safety of the citizens of the City of Perrysburg, Wood County, Ohio, to allow for all members of NOAC to sign their energy agreement at the same time and obtain the best price, and shall be in full force and effect from and immediately after its passage and approval by the Mayor.

President of Council

Mayor

PASSED: _____

ATTEST: _____

APPROVED: _____

Timothy W. Effler
LAW DIRECTOR

RESOLUTION 6-2026

A RESOLUTION ACCEPTING THE PROPOSAL OF ARCHER ENERGY, LLC TO EXTEND THE AGREEMENT PROVIDING NATURAL GAS SUPPLIES THROUGH OPT-OUT AGGREGATION TO ELIGIBLE RESIDENTIAL AND SMALL BUSINESSES IN THE CITY OF PERRYSBURG; AND DECLARING AN EMERGENCY

WHEREAS, the City of Perrysburg is certified by the Public Utilities Commission of Ohio (PUCO) to provide Governmental Aggregation Services for its eligible residential and small businesses consuming natural gas through certification # 11-232G; and,

WHEREAS, the City of Perrysburg aggregation services are governed by Chapter 4901:1-27 of the Ohio Administrative Code and section 4929.20 of the Ohio Revised Code; and,

WHEREAS, the City of Perrysburg has historically worked cooperatively with other communities in Lucas and Northern Wood Counties as part of the Northwest Ohio Aggregation Coalition (NOAC); and,

WHEREAS, through the efforts of the NOAC communities participating residential and small business consumers have saved over \$180 million on their natural gas and electricity purchases since 2001; and,

WHEREAS, NOAC's energy consulting company, Palmer Energy Company, Inc., issued a Request for Proposals for natural gas opt out aggregation services to various certified natural gas suppliers; and,

WHEREAS, the NOAC communities determined that the best proposal offered was for 20 months from Archer Energy, LLC.; and,

WHEREAS, the City of Perrysburg entered into a Master Service Agreement in March 2024 for the provision of natural gas opt out aggregation services; and,

WHEREAS, the average savings for participants are expected to vary between about \$10 and \$30 over the term depending on weather and future discounts from Archer; and,

WHEREAS, Palmer Energy Company has recommended extending the agreement with Archer Energy, LLC. to provide natural gas opt-out aggregation services to participants in the City of Perrysburg for the billing periods of June 2026 through May 2027.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PERRYSBURG, WOOD COUNTY, OHIO:

SECTION 1. That the proposal of Archer Energy, LLC, 9777 Fairway Drive, Powell, OH 43065 to extend its agreement to provide natural gas opt-out aggregation services to participants in the City of Perrysburg for the billing periods of June 2026 through May 2027 is hereby accepted, and the Mayor and Director of Finance are authorized to enter into the extension, subject to final contract approval by the Law Director and recommendation on pricing from Palmer Energy.

SECTION 2. That no funds from the City of Perrysburg are required to operate this program for the citizens.

SECTION 3. It is found and determined that all formal actions of Council concerning or relating to the passage of this Resolution were adopted in an open meeting of the Council, and that all deliberations of this Council and any of its committees, that resulted in such formal actions, were in meetings open to the public in compliance with all legal requirements of the City of Perrysburg and the State of Ohio.

SECTION 4. This Resolution is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health and safety of the citizens of the City of Perrysburg, Wood County, Ohio, to allow for all members of NOAC to sign their energy agreement at the same time and obtain the best price and shall be in full force and effect from and immediately after its passage and approval by the Mayor.

President of Council

Mayor

PASSED: _____

ATTEST: _____

APPROVED: _____

Timothy W. Effler
LAW DIRECTOR

TO: Mayor Weber
President Rettig
Members of City Council

FROM: Timothy W. Effler, Law Director

RE: Ordinance 4-2026

DATE: February 3, 2026



Subject Matter/Background

The City of Perrysburg has determined it necessary to update Chapter 286 to provide clarity and further guidance to the rules and regulations for the Litter Prevention and Recycling Board within the City of Perrysburg.

The Service Committee considered the measure at its meeting on January 28, 2026 and unanimously recommended the ordinance to City Council.

Financial Review

This legislation should have no financial impact on the City of Perrysburg

Legal Review

This legislation has been reviewed and is appropriately before you.

Recommendation

1st Reading – February 3, 2026
2nd Reading – February 17, 2026
3rd Reading and vote – March 3, 2026

ORDINANCE 4-2026

**AN ORDINANCE AMENDING PERRYSBURG CODIFIED
ORDINANCE CHAPTER 286**

WHEREAS, Perrysburg Codified Ordinance Chapter 286 establishes the rules and regulations for the Litter Prevention and Recycling Board within the City of Perrysburg; and,

WHEREAS, the City of Perrysburg has determined it necessary to update the Chapter to expand, and provide clarity and further guidance to, the Litter Prevention and Recycling Board.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF PERRYSBURG, WOOD COUNTY, OHIO:

SECTION 1. Codified Ordinance Chapter 813 which currently reads:

CHAPTER 286

Litter Prevention and Recycling Board

286.01 Establishment, membership, compensation, voting, quorum.

286.02 Duties.

CROSS REFERENCES

Statewide litter control and recycling program - see Ohio R.C. 1502.03

Authorized purposes for litter control grants - see Ohio R.C. 1502.05

Littering - see GEN. OFF. 660.03

286.01 ESTABLISHMENT, MEMBERSHIP, COMPENSATION, VOTING, QUORUM.

- (a) There is hereby established a Litter Prevention and Recycling Board for the City. Such Board shall be comprised of nine members, all residents of the Municipality, one of whom shall be the Deputy Director of Public Service, one of whom shall be the Litter Prevention and Recycling Coordinator, one of whom shall be a member of a law enforcement organization, one of whom shall be an educator, one of whom shall be a business operator, two of whom shall be high school students and two who need only be residents of the Municipality. The Litter Prevention and Recycling Coordinator shall serve as staff to the Board.

(b) (1) The Mayor shall appoint such persons, subject to the approval of Council, and all such persons shall serve without compensation. All members of the Board shall exercise one vote. Five members shall constitute a quorum. Such officers as desired by the Board shall be elected in January for a one year term. The initial appointments made by the Mayor, with the exception of the Deputy Director of Public Service and the Litter Prevention and Recycling Coordinator, shall provide two members for a one-year period and three members for a two-year period. Subsequent to initial appointments, all appointments to the Board by the Mayor shall be for a two year period, except the members who are high school students, whose term shall be one year. All terms expire on December 31, except the members who are high school students whose terms shall expire on June 1.

(Ord. 36-2000. Passed 4-18-00.)

(2) Any member who misses more than three consecutive meetings or more than one-half of the meetings in any calendar year shall be deemed to have vacated his or her position and shall be replaced.

286.02 DUTIES.

The duties of the Litter Prevention and Recycling Board are to:

- (a) Advise the appropriate City officials, Council and the Litter Prevention and Recycling Coordinator in the development and administration of a Litter Prevention and Recycling Program.
- (b) Provide recommendations and direction in developing goals and objectives.
- (c) Make recommendations as to the selection of a Litter Prevention and Recycling Program Coordinator.
- (d) Make recommendations concerning implementation of the program, and
- (e) Seek public involvement in the Litter Prevention and Recycling Program development.

(Ord. 47-94. Passed 5-17-94.)

is hereby amended and adopted to read as:

CHAPTER 286 Litter Prevention and Recycling Board

286.01 Establishment, membership, compensation, voting, quorum.

286.02 Duties.

CROSS REFERENCES

Statewide litter control and recycling program - see Ohio R.C. 1502.03

Authorized purposes for litter control grants - see Ohio R.C. 1502.05

Recycling, Waste Reduction, Litter Prevention – see Ohio R.C. 3736

Littering - see GEN. OFF. 660.03

286.01 ESTABLISHMENT, MEMBERSHIP, COMPENSATION, VOTING, QUORUM.

- (a) There is hereby established a Litter Prevention and Recycling Board for the City. Such Board shall be comprised of ~~nine~~ twelve (12) members, all residents or employees of the Municipality, ~~one of whom shall be the Deputy Director of Public Service, one of whom shall be the Litter Prevention and Recycling Coordinator, one of whom shall be a member of a law enforcement organization~~ Of the twelve (12) members: three (3) shall be current City employees, one (1) shall be in the waste management industry, one (1) ~~of whom~~ shall be an educator, one (1) ~~of whom~~ shall be a business operator, two (2) ~~of whom~~ shall be high school students, and ~~two~~ four (4) who need only be residents of the Municipality. ~~The Litter Prevention and Recycling Coordinator shall serve as staff to the Board.~~
- (b) (1) The Mayor shall appoint such persons, subject to the approval of Council, and all such persons shall serve without compensation. All members of the Board shall exercise one (1) vote. ~~Five~~ Seven (7) members shall constitute a quorum. Such officers as desired by the Board shall be elected in January for a one (1) year term. ~~The initial appointments made by the Mayor, with the exception of the Deputy Director of Public Service and the Litter Prevention and Recycling Coordinator, shall provide two members for a one-year period and three members for a two-year period. Subsequent to initial appointments,~~ a All appointments to the Board by the Mayor shall be staggered for a two (2) year period, except the members who are high school students, whose term shall be one (1) year. All terms expire on December 31. ~~, except the members who are high school students whose terms shall expire on June 1.~~
- (2) Any member who misses more than three consecutive meetings or more than one-half of the meetings in any calendar year shall be deemed to have vacated his or her position and shall be replaced.

(Ord. 119-2000. Passed 8-15-00.)

286.02 DUTIES.

The duties of the Litter Prevention and Recycling Board are to:

- (a) Advise the appropriate City officials, and City Council and the Litter Prevention and Recycling Coordinator in the development and administration of a the Litter Prevention and Recycling Program.
- (b) Provide recommendations and direction in developing goals and objectives.
- (c) Make recommendations as to the selection of a Litter Prevention and Recycling Program Coordinator.
- (d) (c) Make recommendations concerning implementation of the program, and
- (e) (d) Seek public involvement in the Litter Prevention and Recycling Program development.

SECTION 2. It is found and determined that all formal actions of Council concerning or relating to the passage of this Ordinance were adopted in an open meeting of the Council, and that all deliberations of this Council and any of its committees, that resulted in such formal actions, were in meetings open to the public in compliance with all legal requirements of the City of Perrysburg and the State of Ohio.

SECTION 3. This Ordinance shall be in full force and effect at the earliest time permitted by law.

President of Council

Mayor

PASSED _____

ATTEST: _____

APPROVED: _____

Timothy W. Effler
LAW DIRECTOR