SPECIAL PROVISIONS

WATERWAY PERMITS CONDITIONS

C-R-S: ERI - US 6 - Connectivity Corridor

PID: 116570

Date: 03/26/2026

1. Waterway Permits Time Restrictions:

A USACE Section 404 Individual Permit is pending for ERI-US 6-Connectivity Corridor, PID: 116570. Temporary and permanent fill activities in aquatic resources are not authorized until the USACE Section 404 Individual Permit is acquired. A copy of the Section 404 Individual Permit and United States Army Corps of Engineers (USACE) authorization letter (USACE ID: LRH-2023-00833-ERI) will be provided after it is issued and shall be kept at the work site at all times and made available to all contractors and subcontractors.

An Ohio Environmental Protection Agency (OEPA) Section 401 Water Quality Certification (401 WQC) is authorized for ERI-US 6-Connectivity Corridor, PID: 116570. A copy of the authorization letter (OEPA ID: 252037A1) shall be kept at the work site at all times and made available to all contractors and subcontractors. The certification is effective starting: March 16, 2026, but is only effective with the valid USACE Section 404 Individual Permit being issued.

For authorized work in aquatic resources (including streams, wetlands, jurisdictional ditches, captured streams, lakes, ponds), the Department will consider the Contractor's submission of a reauthorization to the waterway permit expiration date based on project constraints. If more than one permit is authorized for the project, then all permits become invalid once the first permit expires. In order for the request to be considered, the Contractor must submit a justification to the Engineer at least 90 days prior to the waterway permit expiration date. The Engineer will submit the request for a time extension to the Ohio Department of Transportation, Office of Environmental Services, Waterway Permits Unit (ODOT-OES-WPU) for consideration and coordination with the U.S. Army Corps of Engineers (USACE), Ohio Environmental Protection Agency (OEPA), U.S. Coast Guard (USCG), U.S. Fish and Wildlife Service (USFWS), and Ohio Department of Natural Resources (ODNR) as appropriate.

2. Deviations From Permitted Construction Activities:

No deviation from the requirements for work in aquatic resources depicted in the plans, Special Provisions, and/or Working Drawings may be made unless a modification has been submitted to ODOT-OES-WPU and approved by the appropriate agencies (i.e., USACE, OEPA, USCG, ODNR, and USFWS).

NOTE: Plan sheets submitted with the Section 404/401 Individual Permit (IP) Application are pending approval by the USACE and were approved by the OEPA in accordance with Section 404/401 IP and are included in these Special Provisions.

For emergency situations resulting in unanticipated impacts to aquatic resources, provide notification (verbal or written) to the Engineer as soon as possible following discovery of the situation. Written notification to the Engineer and notification to the ODOT-OES-WPU (614-466-2159) must be made within 24 hours.

For non-emergency situations, notify the Engineer in writing for submission to the ODOT-OES-WPU (614-466-2159) for consideration and coordination with the appropriate agencies. Notification must be made at least 90 days prior to planned, non-permitted activities. Consideration of the requested deviation is at the discretion of the Director and must be coordinated with the appropriate regulatory agencies.

3. In-Stream Work Restrictions:

Work in the following aquatic resources is further restricted as follows:

Stream Name /Description	Location	Work restriction dates* (No in-stream work permitted)
UNT 1 to Dildine Ditch	STA 1100+98	None
Boo's Ditch	STA 1754 – STA 1755	None
UNT 1 to Boo's Ditch	STA 1757	None

UNT = unnamed tributary stream

In-stream work has been defined as the placement and/or removal of fill materials (temporary or permanent) below ordinary high water of a stream. Examples of "fill" include, but are not limited to: bridge piers, abutments, culverts, rock channel protection, scour protection, and temporary access fills.

Fills placed within a stream identified in the above table (outside of the work restriction dates) can continue to be worked from during the work restriction dates, but cannot be expanded, removed, or otherwise modified (below ordinary high water) until once again outside of the work restriction dates.

4. Materials:

Materials utilized in or adjacent to aquatic resources for temporary or permanent fill or bank protection shall consist of suitable material free from toxic contaminants in other than trace quantities. Asphalt products are specifically excluded for use as fill. Chromated Copper Arsenate (CCA), creosote, and other pressure treated lumber shall not be used in structures that are placed in aquatic resources.

5. Aquatic Resource Demarcation:

The tables attached (Table 3 and Table 4) include detailed fill quantities pending authorization within the aquatic resources. Aquatic resources not authorized for impact by these Special Provisions shall be demarcated in the field as per SS 832 prior to site disturbance. The fence shall remain in place and be maintained throughout the construction process. Following the completion of the project, the fence and posts shall be removed.

6. Spill containment:

Provide and Maintain an Oil Spill Kit with a minimum capacity of 65 gallons. The Spill Kit shall contain:

- 6 - 3 in. X 8 ft. oil only socks
- 4 - 18 in. X18 in. oil only pillows
- 2 - 5 in. X 10ft. booms
- 50 - 16in. X 20 in. oil only pads
- 10 - disposable bags
- 1 - 65 gallon drum with lid
- 25 pounds of granular oil absorbent

The Oil Spill Kit shall be located within 150 feet of any equipment working in a stream or wetland. The oil Spill Kit shall be maintained for the life of the contract. Any materials utilized during the project will be replaced within 48 hours. All costs associated with furnishing and maintaining the above referenced spill containment kit are incidental to work.

7. Project Inspection:

Inspection of Work may include inspection by representatives of other government agencies or railroad corporations that pay a portion of the cost of the Work or regulate the Work through State and Federal law. Comments from the representatives of these agencies shall be directed to the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

8. Temporary Access Fills:

Definitions:

Hydraulic Opening
The cross-sectional area allowing an unimpeded discharge equal to twice the highest monthly flow without producing a rise in the backwater above the Ordinary High Water Mark (OHWM).

Standard Temporary Discharge
Discharge equal to twice the *highest monthly flow* without producing a rise in the backwater above the OHWM. The U.S. Geologic Service publication "Techniques for estimating Selected Streamflow Characteristics of Rural Unregulated Streams in Ohio" provides equations that estimate monthly flow for Ohio Waterways These flows are also available in a web application by USGS StreamStats, (https://water.usgs.gov/osw/streamstats/ohio.html). The highest monthly flow is the highest monthly mean discharge occurring in a 12-month period from January to December.

Average Monthly Flow
The average monthly flow represents the estimated "normal" flow.

Temporary Access Fills (TAFs)
Include, but are not limited to, dewatering fills, causeways, cofferdams, access pads, temporary bridges, etc. below the OHWM.

Requirements
21 calendar days prior to the initiation of any in-stream work, provide the Engineer with Working Drawings that include:

- Plan view drawing (50 scale or less) showing the location of all TAFs proposed for use on the project.
- Scaled cross section and profile drawing showing the OHWM and the proposed hydraulic opening.
- Identify the minimum diameter size, placement location and thickness of non-erodible Dumped Rock Fill material on the plan and profile.
- Calculations analyzing the hydraulic impacts of the TAF on the waterway. Include in the calculations an analysis of the hydraulic opening sized adequately to pass the Standard Temporary Discharge without producing a rise in backwater above the OHWM. Include, in the analysis, calculated channel velocities adjacent to the TAF, culvert exit velocities, calculated headwater and tailwater elevations, and any additional appropriate calculations to assess potential impacts to the waterway during normal and anticipated high flow (twice the highest monthly flow) events.
- A description of all temporary material to be placed below the OHWM elevation.
- A description of the installation and staging of all temporary fill over the life of the contract.

- Identify the protection methods and/or structural Best Management Practices for minimizing impacts to the waterway.
- Volume of temporary fill below the OHWM elevation.
- A description of the diversion ditches, equipment, conduits or means for maintaining normal flows in the waterway.
- A description of the removal of all temporary fill and restoration of the channel and all areas impacted by the TAFs.
- A schedule outlining the timing of the placement and removal of all temporary fill.
- Have competent individuals prepare and check the Working Drawings and hydraulic calculations. Provide a cover sheet containing the preparer(s) and checker(s): First Name, Last Name and Initials. The preparer(s) and checker(s) shall not be the same individual. Have an Ohio Registered Engineer review, approve, sign, seal and date the Working Drawings and hydraulic calculations according to ORC 4733 and OAC 4733-35. Include the following statement on the Working Drawings:

  "These Working Drawings were prepared in compliance with the terms of these Special Provisions and all contract documents."

Do not begin in-stream work until the Engineer has accepted the Working Drawings and hydraulic calculations.

The design and construction of the Contractor's TAF must minimize impacts to water bodies, stream banks, stream beds, and riparian zones to the maximum extent practicable.

Fording of waterways and other aquatic resources is prohibited.

Construct TAFs in such a manner that will maintain flows, minimize upstream flooding, and avoid overtopping the TAF on a regular basis. ***TAFs shall be designed and constructed so that the hydraulic opening provides capacity for a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the (OHWM)***.

If the Contractor proposes a TAF which does not meet all the requirements of these Special Provisions, the Contractor must submit a request in writing for a modified TAF to the Engineer. The request must include all Working Drawings and hydraulic calculations required by these Special Provisions. The Department makes no guarantee to grant the request. The Contractor's proposed TAF request will be coordinated by OES with the USACE and the OEPA, as appropriate. The time frame allowed for the coordination of the contractor's proposed TAF will be a minimum of 60 days.

Installation of any temporary fill without appropriate authorization is strictly prohibited. All direct coordination with the USACE and/or OEPA will be performed through OES.

TAFs Construction and Payment
Begin planning and installing causeways and access fills as early in construction as possible to avoid conflicts with these Special Provisions or other environmental commitments that have been included in the construction plans.

TAFs in Streams and Rivers may include, but are not limited to, causeways, cofferdams, access pads, sheet piling, temporary bridges, etc. The Contractor must make every attempt to minimize disturbance to waterbodies, stream banks, stream beds and riparian zones during the construction, maintenance, and removal of the TAF. Construct the TAFs as narrow as practical. Install in-stream conduits parallel to the stream banks. Make the TAFs in shallow areas rather than deep pools where possible. Minimize clearing, grubbing, and excavation of stream banks, and approach sections. Construct the TAFs as to not cause erosion or allow sediment deposits in the waterway.

Prior to the initiation of any in-stream work, establish a monument upstream of the proposed TAF to visually monitor the water elevation in the waterway where the fill is permitted. Maintain the monument throughout the project. Provide a visual mark on the monument that identifies the elevation 1 foot above the OHWM. Ensure that the monument can be read from the bank of the waterway. Have this elevation set and certified by an Ohio Registered Surveyor. All costs associated with furnishing and maintaining the above referenced monument are incidental to the work.

Should the surface water elevation exceed the elevation 1 foot above OHWM, the Department will compensate the Contractor for repair of any resulting damage to the TAF up to the elevation of 1 foot above the OHWM, except as noted. The Department will recognize this event as an excusable, non-compensable delay in accordance with Section 108.06 B. of the Construction & Materials Specifications.

Follow the requirements in Item 502 for Structures for Maintaining Traffic and in Item 503 for Cofferdams and Excavation Bracing and any modifications to these items as shown in the plans. The Department will not pay for repair and maintenance of TAFs associated with Items 502 and 503 as a result of surface water elevation exceeding 1 foot above the OHWM. Compensation for damages associated with waterway flows will be provided as described in Items 502 and 503.

Construct the TAFs, not including Items 502 and 503, to a water elevation at least 1 foot (0.3 m) above the OHWM. If more than one-third the width of the stream is filled, then use culvert pipes to allow the movement of aquatic life. Ensure that any ponding of water behind the TAF will not damage property, flood roadways, or threaten human health and safety.

The following minimum requirements apply to TAFs where culverts are used:

A. Furnish culverts on the existing stream bottom.
B. Avoid a drop in water elevation at the downstream end of the culvert that would result in an adverse impact to the waterway.
C. Furnish a sufficient number of culverts in addition to stream openings to provide a discharge equal to twice the highest monthly flow without producing a rise in the backwater above the OHWM.
D. Furnish culverts with a minimum diameter of 18 inches (0.5 m).

All TAFs must be constructed of suitable materials. Causeways and access fills must be encapsulated with clean, non-erodible, nontoxic Dumped Rock Fill, Type A, B, C, or D, meeting the requirements of C&MS 703.19.B. Utilize appropriately sized Dumped Rock Fill determined by the Contractor's engineer for encapsulating the sides of the TAF. Encapsulate all sides of the TAF with the non-erodible material. For causeways, contractors may use clean aggregate meeting C&MS 703.01 Size Number 1 and 2 for creating a working surface above the OHWM. Extend the non-erodible encapsulating material to at least the elevation of the top of the working surface. Extend clean aggregate up the slope from the original stream bank for 50 feet (10 m) to remove erodible material and prevent tracking from equipment onto the TAF.

When the work requiring TAF is complete, all portions of the TAF (including all rock and culverts) will be removed in its entirety. Do not dispose of TAF material in other aquatic resources or where erosion into another aquatic resource is possible. The stream bottom affected by the TAFs will be restored to its pre-construction elevations. The TAFs will not be paid as a separate item but will be included by the Contractor as part of the total project cost.

Unless specific TAF compensation is included in the plans, all environmental protection and control associated with the authorized activities are incidental to the work within the boundaries of the aquatic resources.

9. Excavation Activities:

Excavated material will be placed at an upland site and disposed of in such a manner that sediment and runoff to streams and other aquatic resources is controlled and minimized. Additionally, no more than incidental fallback into aquatic resources is permitted during the excavation process. If any changes to the proposed work are deemed necessary, notify the Engineer who will immediately contact the ODOT-District Environmental Coordinator and ODOT-OES-WPU at 614-466-2159.

10. Demolition Debris:

The intentional discharge of demolition debris from any structure (including but not limited to bridges, culverts, abutments, wing walls, piers) is not authorized for this project. If any demolition debris inadvertently falls into aquatic resources, it must be removed immediately. Notify the Engineer immediately in writing of any inadvertent fill discharged into aquatic resources. The Engineer will immediately contact ODOT-OES-WPU at 614-466-2159 if any unintentional discharge occurs.

11. Construction Completion Certification:

Upon completion of the work, notify the Engineer. The USACE Construction Completion Certification must be completed and signed by the Engineer then provided via US mail or email to:

Waterway Permits Program Manager
ODOT - Office of Environmental Services
1980 West Broad Street, Mail Stop 4170
Columbus, Ohio 43223
Adrienne.Earley@dot.ohio.gov

A copy of the certification will be provided after the USACE 404 Individual Permit is issued.

Version: January 2026

TABLE 3. STREAM DISCHARGE AND FILL QUANTITIES

Stream	Station	Description of Impacts	Length (LF)	Width (LF)	Depth (LF)	Existing Culvert	Culvert Overlap	Permanent Fill Below OHWM						Total Permanent Fill			Total Temporary Fill			Total Impact Length
								Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)			Proposed RCP									
						Length (LF)	Length (LF)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)	Area (AC)	Volume (CY)	Length (LF)
UNT 1 to Dildine Ditch	STA 1100+98	Culvert extension	49 LF	2.5	0.2	57	0	21	0.001	0.4	15	3.000	0.3	36	0.002	0.7	15	0.001	0.3	36
Boo's Ditch	STA 1754 - STA 1755	Culvert replacement and extension	150 LF	55	1.4	80	80	101	0.128	2386.6	22	0.028	519.9	123	0.156	2906.5	15	0.019	354.5	123
UNT 1 to Boo's Ditch	STA 1757	Culvert replacement and extension	173 LF	7.5	0.2	59	59	126	0.022	7.0	11	0.002	0.7	137	0.024	7.8	15	0.003	0.9	137
					SUM:	196	139	248	0.150	2394.0	48	3.030	520.9	296	0.182	2915.0	45	0.023	356.7	296

LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, i.e.. concrete block matting); NA = Not Applicable

TABLE 4. WETLAND DISCHARGE AND FILL QUANTITIES

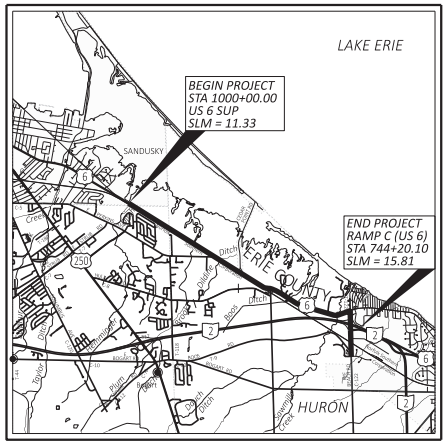
Wetland	Station	Description of Impacts	Acreage (AC)	Depth (LF)	Permanent Fill Within Wetland Boundary				Total Permanent Fill		Total Temporary Fill		Total Impact Acreage
					Proposed Concrete (Includes Culvert, Piers, Walls, Abutments, etc.)		Proposed Earthen, Granular, or Embankment Fill						
					Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)
Wetland B	STA 1033+96.14; STA 632+25	Culvert extension (for additional lanes, roadway reconfiguration, trails, etc.)	0.022	1.5			0.019	46.0	0.022	46.0	0	0	0.022
Wetland C	STA 1055+50; STA 654+00	Trail/Sidewalk/MUP installation (new alignment)	0.006	1			0.001	1.7	0.001	1.7	0	0	0.001
Wetland D	STA 1063.16.32 – STA 1061.19.29; STA 658+75 – STA 661+99	Trail/Sidewalk/MUP installation (new alignment)	0.059	1.5			0.038	92.0	0.038	92.0	0	0	0.038
Wetland E	STA 1093 – STA 1088; STA 691 – STA 686	Roadway expansion (roundabout)	0.982	1.5	0.023	56.4	0.959	2320.1	0.982	2376.5	0	0	0.982
Wetland G	STA 521+99 – STA 534+10	Roadway expansion (roundabout)	0.157	1			0.157	253.3	0.157	253.3	0	0	0.157
Wetland I	STA 1100+98; STA 699+05	Culvert extension (for additional lanes, roadway reconfiguration, trails, etc.)	0.002	1	0.003	4.9			0.003	5.0	0	0	0.003
				SUM:	0.026	61.3	1.174	2713.1	1.203	2774.5	0	0	1.203

LF = linear feet; AC = acres; CY = cubic yards; RCP = rock channel protection or the like (specify if different, i.e.. concrete block matting); NA = Not Applicable

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

ERI-US 0006-CONNECTIVITY CORRIDOR

HURON TOWNSHIP & PERKINS TOWNSHIP
ERIE COUNTY



LOCATION MAP

LATITUDE: 41°25'22" N LONGITUDE: 82°38'19" W

SCALE IN MILES

0 1 2 3 4

PORTION TO BE IMPROVED

INTERSTATE HIGHWAY

FEDERAL ROUTES

STATE ROUTES

COUNTY & TOWNSHIP ROADS

OTHER ROADS

DESIGN DESIGNATION

FOR DESIGN DESIGNATIONS, SEE SHEET P.0002

DESIGN EXCEPTIONS

DESIGN FEATURE	APPROVAL DATE	SHEET NUMBERS
SHOULDER WIDTH	XX/XX/XX	P.0030, P.978
HORIZONTAL CURVE RADIUS & SUPERELEVATION RATES	XX/XX/XX	P.007

ADA DESIGN WAIVERS

NONE REQUIRED

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)

PLAN PREPARED BY:
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

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FEDERAL PROJECT NUMBER

E(220) 276

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT INCLUDES THE CONSTRUCTION OF FIVE NEW ROUNDABOUTS ALONG US ROUTE 6 IN ERIE COUNTY AT PERKINS AVE, CAMP RD, RYE BEACH RD, AND THE EASTBOUND AND WESTBOUND RAMP TERMINALS AT THE INTERCHANGE OF US 6, SR 2, AND RYE BEACH RD. US 6 IS ALSO BEING RESURFACED AND WIDENED (ALONG CLEVELAND RD W) BETWEEN CAMP RD AND RYE BEACH RD TO ACCOMMODATE A TWO-WAY LEFT TURN LANE. MULTI-MODAL CONNECTIVITY IS BEING IMPROVED THROUGHOUT THE PROJECT BY EXTENDING THE SANDUSKY BAY PATHWAY FROM CEDAR POINT DRIVE TO SPORTS FORCE PARK, THEN ALONG US 6 (CLEVELAND RD W) TO RYE BEACH RD, THEN SOUTH ALONG RYE BEACH RD TO UNIVERSITY DR. A NEW PEDESTRIAN BRIDGE OVER SAWMILL CREEK IS BEING ADDED TO ACCOMMODATE THE SHARED USE PATH.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	50.18 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	9.00 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	59.18 ACRES

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS, CHANGES LISTED IN THE PROPOSAL, AND THE SUPPLEMENTAL SPECIFICATION 800 VERSION INDICATED ON THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY EXCEPT AS NOTED ON SHEETS P.0103- P.0107, AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Robert Weaver
District 03 Deputy Director

Pamela Boratyn
Director, Department of Transportation

* DATE INTENTIONALLY REFERS TO AN OLDER VERSION OF THE SCD TO MATCH DESIGN

STAGE 3 08/01/2025	STANDARD CONSTRUCTION DRAWINGS										SUPPLEMENTAL SPECIFICATIONS		SPECIAL PROVISIONS
BP-1.1 7/28/00	DM-4.3 1/15/16	RM-4.6 7/18/25	HL-60.11 7/21/17	MT-101.70 7/19/24	TC-51.11 7/18/25	800-2023 7/18/25							
BP-2.1 1/21/22	DM-4.4 1/15/16	RM-5.2 7/21/23	HL-60.12 7/21/23	MT-101.75 7/21/23	TC-52.10 10/18/13	807 1/17/25							
BP-2.2 1/15/21			HL-60.31 7/19/24	MT-101.90 7/17/20	TC-52.20 1/15/21	813 7/21/23							
BP-3.1 1/19/24	F-2.1 7/20/18	A-1-20 7/19/24		MT-103.10 7/18/25	TC-61.10 4/21/23	832 7/18/25							
BP-3.2 1/18/19	F-3.3 7/19/13	DBR-2-73 7/19/02	ITS-13.10 7/19/24	MT-105.10 1/17/20	TC-64.10 7/21/23	870 7/18/25							
BP-4.1 7/19/13		DBR-3-11 7/15/11	ITS-14.10 1/17/25	MT-110.10 7/19/13	TC-65.10 1/17/14	913 4/16/21							
BP-5.1 7/18/25	I-3D 7/19/24	EXI-2-81 7/15/22	ITS-15.10 7/18/25		TC-65.11 1/17/25	921 7/19/24							
BP-7.1 7/18/25		HW-2.1 7/15/22		TC-16.22 7/18/25	TC-71.10 7/18/25								
	MGS-2.1 7/18/25	HW-2.2 7/20/18	MT-95.31 7/18/25	TC-21.11 7/16/21	TC-72.20 7/18/25								
CB-1 7/19/24	MGS-3.1 7/18/25		MT-95.32 7/18/25	TC-21.21 7/18/25	TC-74.10 7/21/23								
CB-2-2A, 2B, 2C 7/19/24	MGS-3.2 7/18/25	HL-10.11 7/21/23	MT-95.41 7/18/25	TC-22.10 1/17/25	TC-84.20 1/19/24								
CB-2-3, 2-4 7/19/24	MGS-4.2 7/18/25	HL-10.12 7/21/23	MT-95.60 4/19/19	TC-22.20 7/18/25	TC-84.21 10/18/13								
CB-3 7/19/24	MGS-4.3 7/18/25	HL-10.13 1/20/23	MT-95.61 4/19/19	TC-41.10 7/19/13	TC-85.21 7/18/25								
CB-3A 7/19/24		HL-20.11 7/18/25	MT-97.10 7/18/25	TC-41.20 10/18/13	TC-85.22 4/21/23								
CB-5 7/19/24	MH-3 7/19/24	HL-30.11 7/21/23	MT-98.10 1/17/20	TC-41.30 4/21/23									
CB-6 7/19/24		HL-30.21 4/17/20	MT-98.20 4/19/19	TC-41.40 10/18/13									
	RM-1.1 1/20/23	HL-30.22 1/17/25	MT-98.29 1/17/20	TC-41.41 7/19/19									
DM-1.1 1/17/25	RM-3.1 7/20/18	HL-40.10 7/19/24	MT-98.30 7/18/25	TC-41.50 10/18/13									
DM-1.2 1/17/25	RM-4.2 7/18/25	HL-40.20 7/18/25	MT-99.30 1/17/20	TC-42.10 10/18/13									
DM-4.1 7/17/20	RM-4.5 *1/17/25	HL-50.11 1/16/15	MT-101.60 1/17/25	TC-42.20 10/18/13									

TITLE SHEET

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER JIW
REVIEWER GHM 07/30/25
PROJECT ID 116570
SHEET P.0001 TOTAL 1088

ERI-US 0006-CONNECTIVITY CORRIDOR

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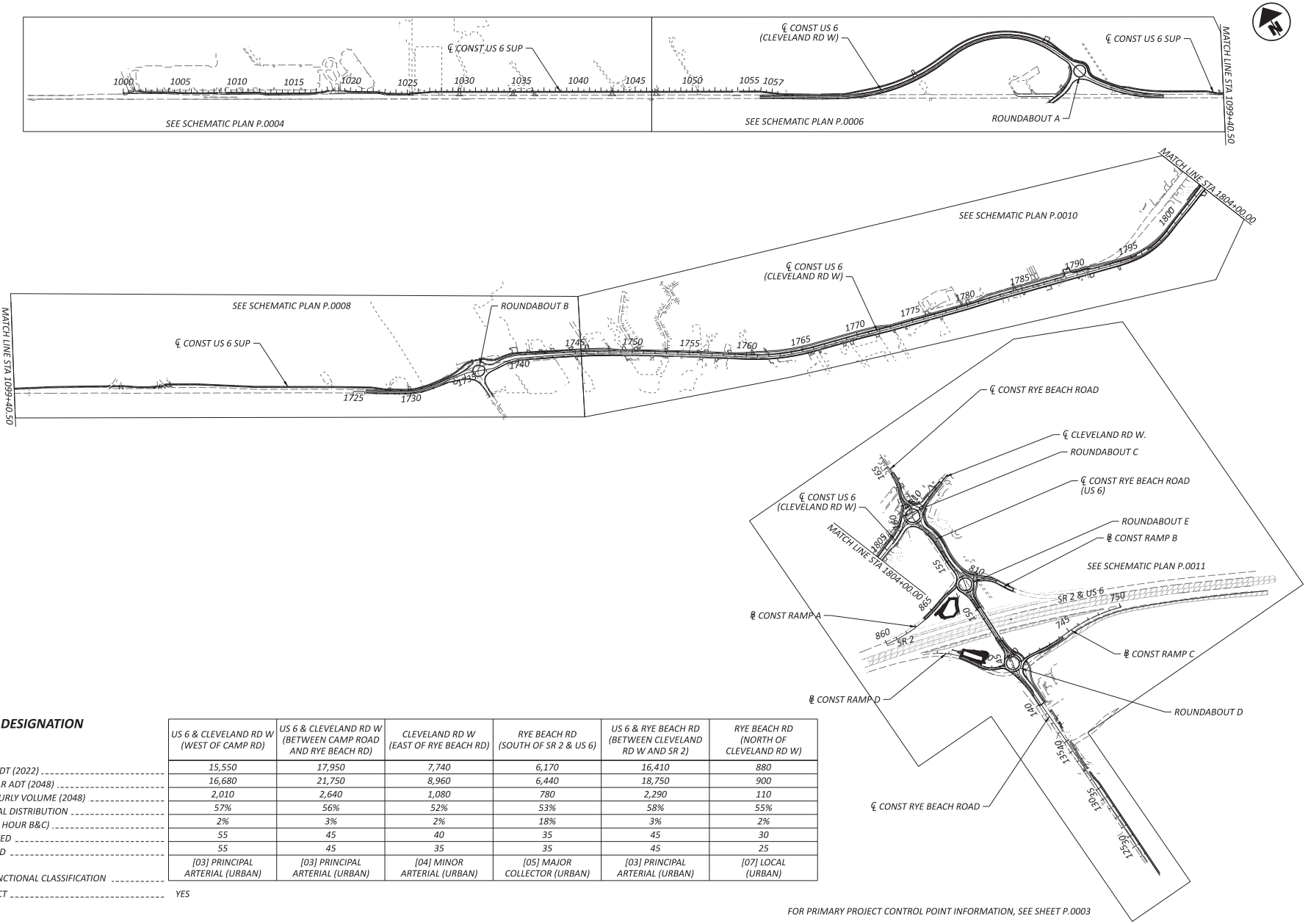


DESIGN DESIGNATION

	US 6 & CLEVELAND RD W (WEST OF CAMP RD)	US 6 & CLEVELAND RD W (BETWEEN CAMP ROAD AND RYE BEACH RD)	CLEVELAND RD W (EAST OF RYE BEACH RD)	RYE BEACH RD (SOUTH OF SR 2 & US 6)	US 6 & RYE BEACH RD (BETWEEN CLEVELAND RD W AND SR 2)	RYE BEACH RD (NORTH OF CLEVELAND RD W)
CURRENT ADT (2022)	15,550	17,950	7,740	6,170	16,410	880
DESIGN YEAR ADT (2048)	16,680	21,750	8,960	6,440	18,750	900
DESIGN HOURLY VOLUME (2048)	2,010	2,640	1,080	780	2,290	110
DIRECTIONAL DISTRIBUTION	57%	56%	52%	53%	58%	55%
TRUCKS (24 HOUR B&C)	2%	3%	2%	18%	3%	2%
DESIGN SPEED	55	45	40	35	45	30
LEGAL SPEED	55	45	35	35	45	25
DESIGN FUNCTIONAL CLASSIFICATION	[03] PRINCIPAL ARTERIAL (URBAN)	[03] PRINCIPAL ARTERIAL (URBAN)	[04] MINOR ARTERIAL (URBAN)	[05] MAJOR COLLECTOR (URBAN)	[03] PRINCIPAL ARTERIAL (URBAN)	[07] LOCAL (URBAN)
NHS PROJECT	YES					

FOR PRIMARY PROJECT CONTROL POINT INFORMATION, SEE SHEET P.0003

ERI-US 0006-CONNECTIVITY CORRIDOR

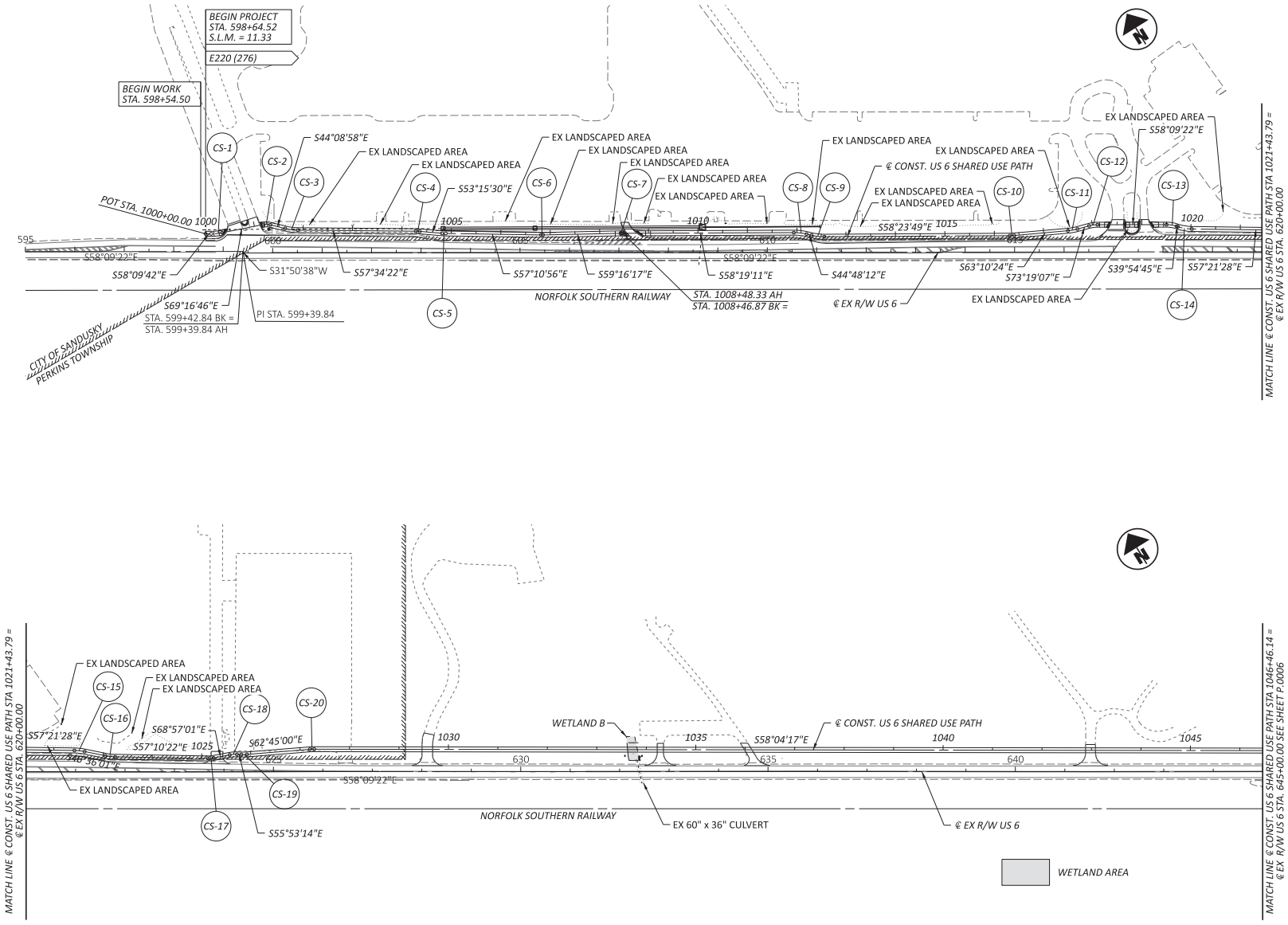
HORIZONTAL SCALE IN FEET
0 200 400 800

OVERALL SCHEMATIC PLAN

DESIGN AGENCY
TRANSYSTEMS
400 N. ANTHONY BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER: TK
REVIEWER: GHM 07/30/25
PROJECT ID: 116570
SHEET: P.0002 TOTAL: 1088

ERI-US 0006-CONNECTIVITY CORRIDOR



FOR PRIMARY PROJECT CONTROL INFORMATION, SEE SHEET P.0003

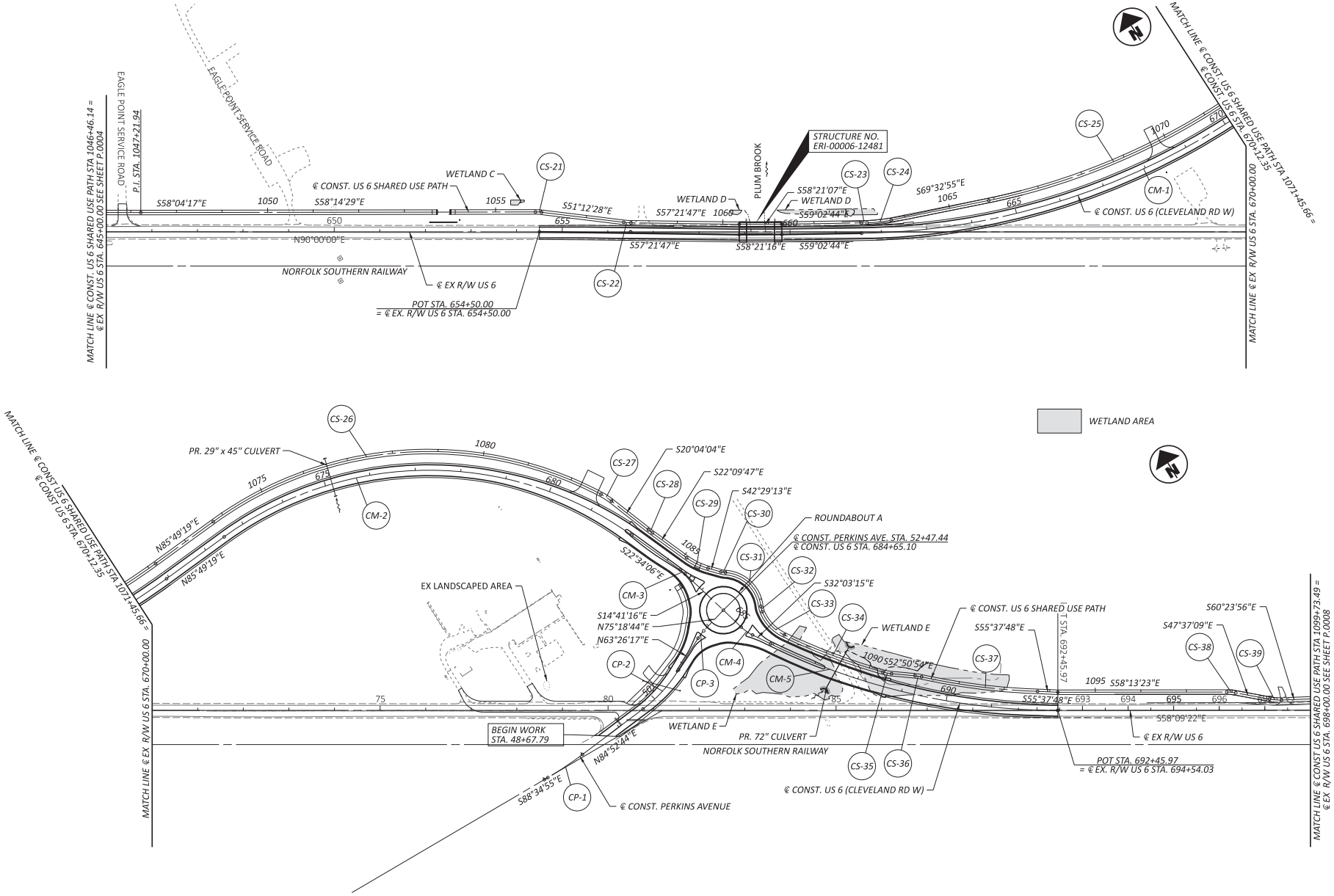
HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN

EX R/W US 6 STA. 596+00 TO STA. 645+00/CL CONST. US 6 SUP STA. 1000+00 TO STA. 1046+46.14

DESIGN AGENCY
OHM

DESIGNER	SDH
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0004
TOTAL	1088



FOR PRIMARY PROJECT CONTROL INFORMATION, SEE SHEET P.0003

ERI-US 0006-CONNECTIVITY CORRIDOR

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HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN

EX R/W US 6 STA. 645+00 TO STA. 698+00/CL CONST. US 6 SUP STA. 1046+46.14 TO STA. 1099+73.49

DESIGN AGENCY
OHM

DESIGNER	SDH
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0006
TOTAL	1088

MODEL: GB103 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/14/2025 TIME: 4:15:20 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gfinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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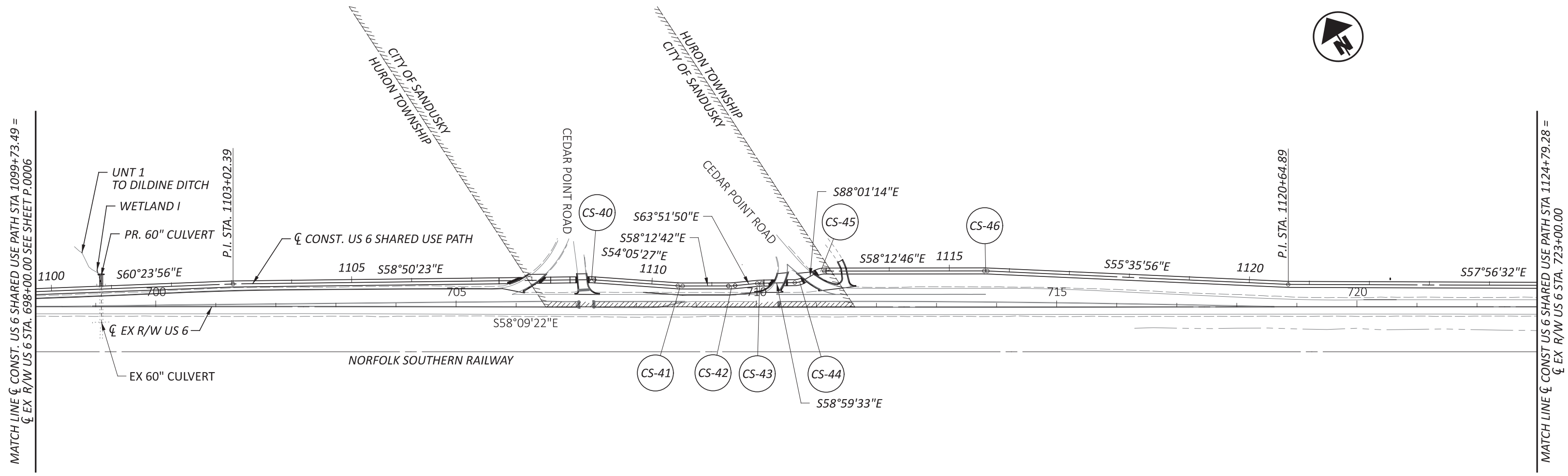
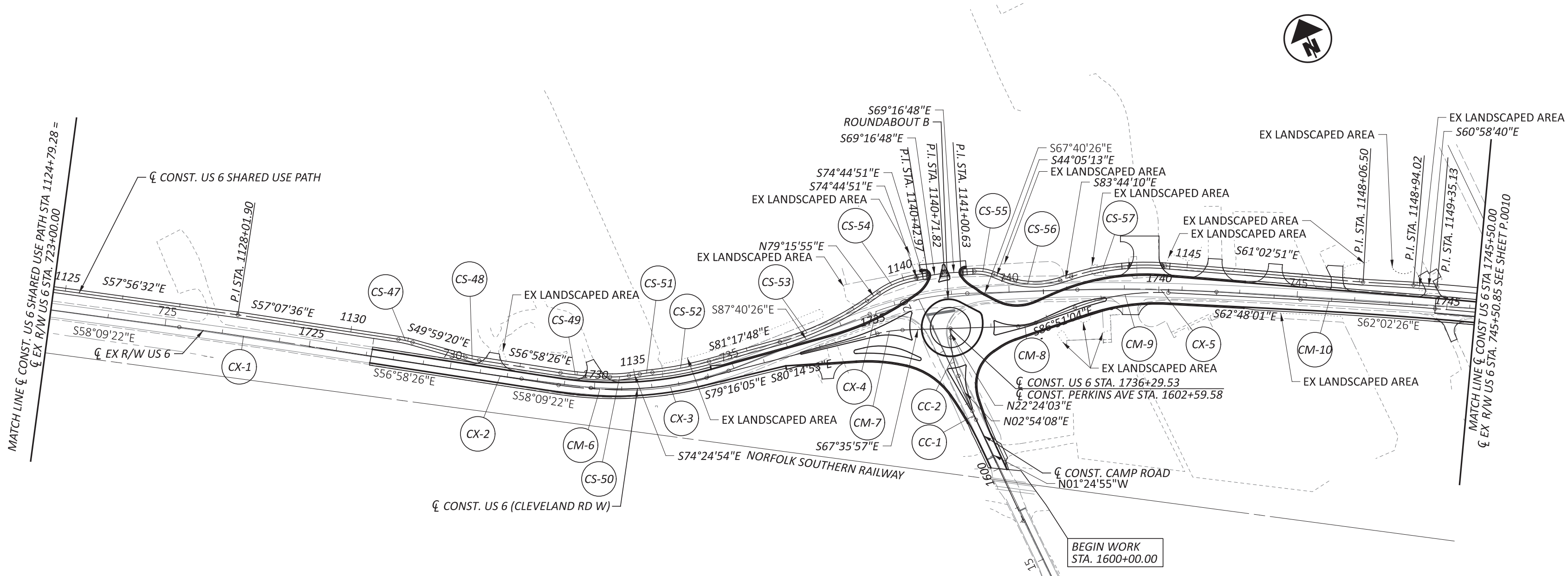




FOR PRIMARY PROJECT CONTROL INFORMATION, SEE SHEET P.0003

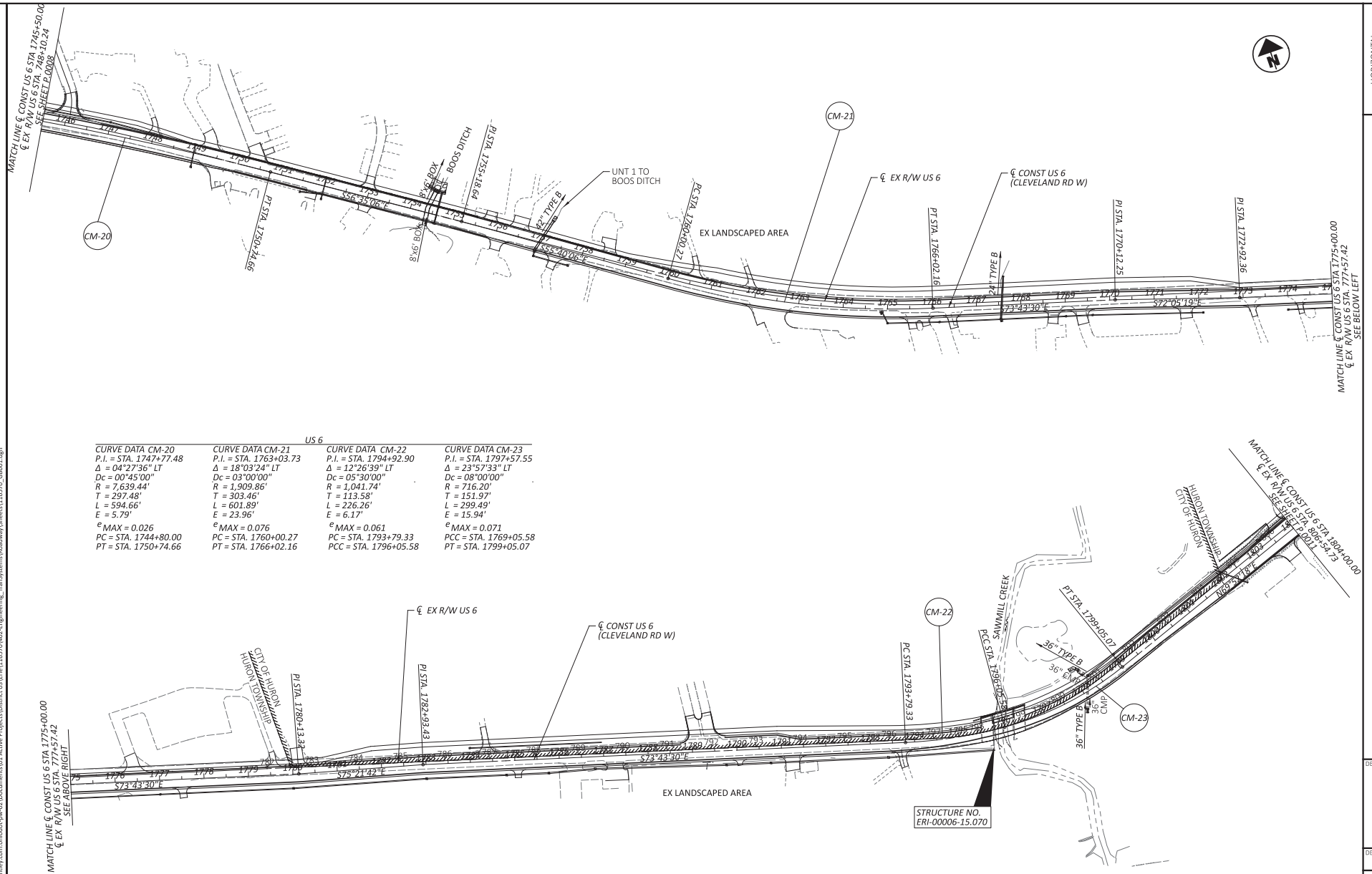
HORIZONTAL SCALE IN FEET
0 50 100 200

SCHEMATIC PLAN

EX R/W US 6 STA. 698+00 TO US 6 STA. 745+50/CL CONST. US 6 SUP STA. 1099+73.49 TO STA. 1149+29.73

DESIGN AGENCY
OHM

DESIGNER
SDH
REVIEWER
SEO 07/30/25
PROJECT ID
116570



US 6

CURVE DATA CM-20	CURVE DATA CM-21	CURVE DATA CM-22	CURVE DATA CM-23
P.I. = STA. 1747+77.48	P.I. = STA. 1763+03.73	P.I. = STA. 1794+92.90	P.I. = STA. 1797+57.55
Δ = 04°27'36" LT	Δ = 18°03'24" LT	Δ = 12°26'39" LT	Δ = 23°57'33" LT
Dc = 00°45'00"	Dc = 03°00'00"	Dc = 05°30'00"	Dc = 08°00'00"
R = 7,639.44'	R = 1,909.86'	R = 1,041.74'	R = 716.20'
T = 297.48'	T = 303.46'	T = 113.58'	T = 151.97'
L = 594.66'	L = 601.89'	L = 226.26'	L = 299.49'
E = 5.79'	E = 23.96'	E = 6.17'	E = 15.94'
e MAX = 0.026	e MAX = 0.076	e MAX = 0.061	e MAX = 0.071
PC = STA. 1744+80.00	PC = STA. 1760+00.27	PC = STA. 1793+79.33	PCC = STA. 1769+05.58
PT = STA. 1750+74.66	PT = STA. 1766+02.16	PCC = STA. 1796+05.58	PT = STA. 1799+05.07

FOR PRIMARY PROJECT CONTROL POINT INFORMATION, SEE SHEET P.0003

SCHEMATIC PLAN
US 6 STA. 1745+50.00 TO STA. 1804+00.00

HORIZONTAL SCALE IN FEET: 0, 50, 100, 200

DESIGN AGENCY
TRANSYSTEMS
400 N. ANTHONY BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER: TK
REVIEWER: GHM 07/30/25
PROJECT ID: 116570
SHEET: P.0010 TOTAL: 1088

ERI-US 0006-CONNECTIVITY CORRIDOR

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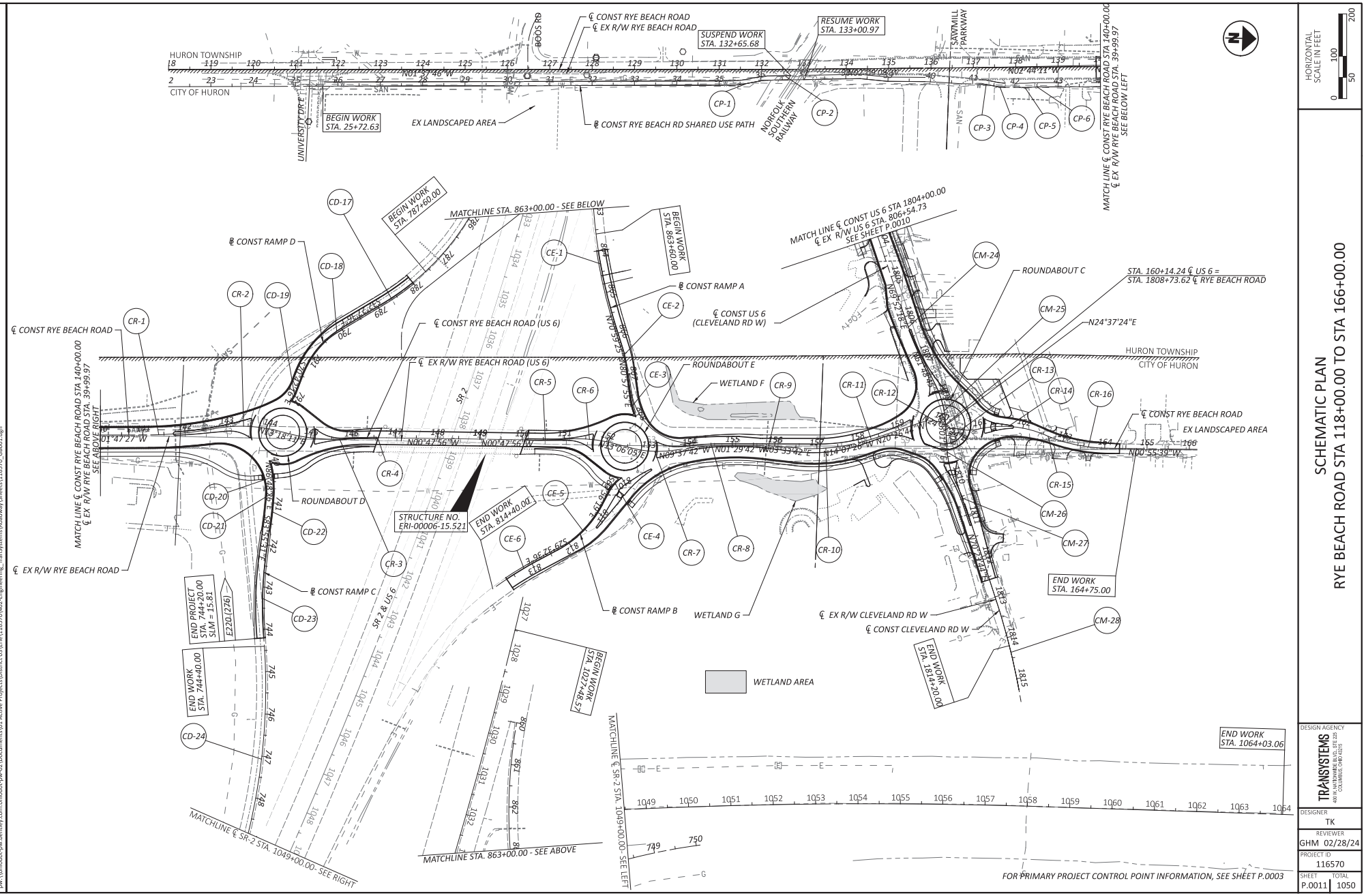

ERI-US 0006-CONNECTIVITY CORRIDOR

SCHEMATIC PLAN
RYE BEACH ROAD STA 118+00.00 TO STA 166+00.00

DESIGN AGENCY
TRANSYSTEMS
400 N. WHITTEMORE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 02/28/24
PROJECT ID	116570
SHEET	P.0011
TOTAL	1050

UTILITIES

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

BUCKEYE BROADBAND
2700 Oregon Road,
Northwood, Ohio 43619
Attn: Michael Sheahan
419-724-3713

COMMUNICATION
AT&T OF OHIO
ROB FEY
130 N. ERIE STREET, ROOM 714
TOLEDO, OHIO 43604
419-245-5004
RF1281@ATT.COM

GAS
COLUMBIA GAS OF OHIO
JON AMSTUTZ
1800 BROAD AVE.
FINDLAY, OH 45840
419-615-2930
JAMSTUTZ@NISOURCE.COM

COMMUNICATION
FRONTIER
AMY ROTH
6126 NORTH MCCORD
TOLEDO, OHIO 43617
419-841-7281
AMY.I.ROTH@FTR.COM

COMMUNICATION
WINDSTREAM
LEAH TAYLOR
50 EXECUTIVE PKWY
HUDSON, OHIO 44236
330-650-7663

ELECTRIC
OHIO EDISON COMPANY
2508 WEST PERKINS AVE.
SANDUSKY, OHIO 44870
419-627-6881

COUNTY
ERIE COUNTY SEWER/WATER
554 RIVER ROAD
HURON, OH 44839
419-433-7303

COMMUNICATION
MCI METRO (VERIZON BUSINESS)
1150 WEST 3RD ST.
CLEVELAND, OHIO 44256
330-819-1444

WATER
CITY OF HURON
10 WATERWORKS DRIVE
HURON, OHIO 44839
419-433-9502

WATER
CITY OF HURON
10 WATERWORKS DRIVE
HURON, OHIO 44839
419-433-9502

COMMUNICATION
EVERSTREAM
JOSEPH GIRDLESTONE
1228 EUCLID AVE. SUITE 250
CLEVELAND, OHIO 44115
234-521-2999

UTILITY LINES

ALL EXPENSES INVOLVED IN RELOCATING OR INSTALLING THE AFFECTED UTILITY LINES SHALL BE THE RESPONSIBILITY OF THEIR RESPECTIVE OWNERS. THE CONTRACTOR AND OWNER(S) ARE REQUESTED TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PRIVATE-USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT, AT MAXIMUM OPERATING HEIGHT, SHALL EXCEED A HEIGHT OF 60 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, COORDINATION WITH THE AIRPORT OWNER AND THE ODOT OFFICE OF AVIATION WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. FOR PRIVATE USE AIRPORTS OR HELIPORTS, COORDINATE WITH THE AIRPORT OWNER AND THE ODOT OFFICE OF AVIATION. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL COORDINATION IS MET AND DOCUMENTATION HAS BEEN FURNISHED TO THE PROJECT ENGINEER. IF COORDINATION IS NOT OBTAINED, THEN THE PROJECT ENGINEER WILL HAVE THE AUTHORITY TO PROVIDE RESTRICTIONS AS REQUIRED.

HINDE AIRPORT
ELAINE H. & JOSEPH A. BORES
1819 BOOS ROAD
HURON, OH 44839
(419) 433-2075

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET P.0003 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: OHIO REAL TIME VRS GPS NETWORK (2011) / CONVENTIONAL
MONUMENT TYPE: ODOT TYPE A & TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID 18

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 (2011 ADJ, 2010.0)
ELLIPSOID: GRS 80
*COORDINATE SYSTEM: CUSTOM ODOT ERIE LDP**

ERIE LDP PROJECTION PARAMETERS:
PROJECTION: LCC 1 PARALLEL
CENTRAL LATITUDE: N 41°24'00"
CENTRAL LONGITUDE: W 82°33'00"
FALSE NORTHING: 100,000 METERS
FALSE EASTING: 50,000 METERS
PROJECTION SCALE FACTOR: 1.000027

**THE LOW DISTORTION PROJECTION (LDP) IS A LOCAL COUNTY PROJECTION DEVELOPED BY ODOT. THE DISTORTION BETWEEN GROUND AND GRID IS SO MINIMAL THAT THERE IS NO NEED FOR A SCALE FACTOR TO ADJUST BETWEEN GRID AND GROUND COORDINATES. CONTACT THE DISTRICT SURVEY DEPARTMENT FOR FURTHER INFORMATION OR QUESTIONS.*

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET.

ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS ITEM 623 WILL GOVERN CONSTRUCTION SURVEYING ACTIVITY

THE FOLLOWING MONUMENT VERIFICATION REPORTS WILL BE REQUIRED:

623.04a — PRECONSTRUCTION MONUMENT VERIFICATION AND REPORT - [LUMP SUM CARRIED TO GENERAL SUMMARY FROM RW.28]

623.04b — POST CONSTRUCTION MONUMENT VERIFICATION AND REPORT - [LUMP SUM CARRIED TO GENERAL SUMMARY FROM RW.28]

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROTECTION OF RIGHT-OF-WAY LANDSCAPING

PRIOR TO BEGINNING WORK, THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE OF THE MAINTAINING AGENCY WILL REVIEW AND RECORD ALL LANDSCAPING ITEMS WITHIN THE RIGHT-OF-WAY (BOTH WITHIN AND OUTSIDE THE CONSTRUCTION LIMITS). A RECORD OF THIS REVIEW WILL BE KEPT IN THE PROJECT ENGINEER'S FILES. PRIOR TO FINAL ACCEPTANCE, A FINAL REVIEW OF LANDSCAPING ITEMS WILL BE MADE.

CONSTRICT ALL ACTIVITIES, EQUIPMENT STORAGE, AND STAGING TO WITHIN THE CONSTRUCTION LIMITS. UNLESS OTHERWISE IDENTIFIED IN THE PLANS OR PROPOSAL, THE CONSTRUCTION LIMITS ARE IDENTIFIED AS 30 FEET FROM THE EDGE OF PAVEMENT.

SUBMIT A WRITTEN REQUEST TO THE PROJECT ENGINEER TO USE ANY AREA OUTSIDE THESE LIMITS. THE DOCUMENT SUBMITTED MUST CLEARLY IDENTIFY THE AREA AND EXPLAIN THE PROPOSED USE AND RESTORATION OF THE AREA. USE OF THESE AREAS FOR DISPOSAL OF WASTE MATERIAL AND CONSTRUCTION DEBRIS, EXCAVATION OF BORROW MATERIAL AND PLACEMENT OF PORTABLE PLANTS IS PROHIBITED. THE REQUEST MUST BE APPROVED, IN WRITING, BEFORE THE CONTRACTOR HAS PERMISSION TO USE THE AREA.

ANY ITEMS DAMAGED BEYOND THE CONSTRUCTION LIMITS, AS DEFINED ABOVE, WILL BE REPLACED IN KIND OR AS APPROVED BY THE PROJECT ENGINEER.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

659, SOIL ANALYSIS TEST	*2 EACH*
659, TOPSOIL	*9417 CU. YD.*
659, SEEDING AND MULCHING	*84838 SQ. YD.*
659, REPAIR SEEDING AND MULCHING	*4242 SQ. YD.*
659, INTER-SEEDING	*4242 SQ. YD.*
659, COMMERCIAL FERTILIZER	*11.83 TON*
659, LIME	*17.53 ACRES*
659, WATER	*470 M. GAL.*
659, MOWING	*191 M. SQ.FT.*

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 7:00 A.M. AND 9:00 P.M.. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

EXISTING PLANS

EXISTING PLANS FOR THE PROJECT CORRIDOR MAY BE INSPECTED IN THE ODOT DISTRICT 3 OFFICE IN ASHLAND, OH.

FENCE LENGTHS

THE LENGTHS OF FENCE SHOWN IN THE PLANS ARE HORIZONTAL DIMENSIONS. MEASUREMENTS OF THE FINAL QUANTITIES WILL BE IN ACCORDANCE WITH ITEM 607.

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS, EVEN THOUGH OTHERWISE SHOWN.

ITEM 201 — CLEARING AND GRUBBING

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201, CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	*NO. TREES*	*NO. STUMPS*	*TOTAL*
18"	*73*	*1*	*74*
30"	*8*	*0*	*8*
48"	*1*	*0*	*1*
60"	*1*	*0*	*1*

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN SECTION 203.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS). NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF SECTION 203.05.

CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215
DESIGNER
TK
REVIEWER
GHM 07/30/25
PROJECT ID
116570

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:19:04 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gflinc.com WORKSPACE: OHDOTCE.v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GN001.dgn

PIPE CONNECTIONS TO CORRUGATED METAL STRUCTURES

PROVIDE CONNECTIONS OF PROPOSED LONGITUDINAL DRAINAGE TO CORRUGATED METAL STRUCTURES BY MEANS OF A SHOP FABRICATED OR FIELD WELDED STUB ON THE STRUCTURE. FURNISH A STUB MEETING THE REQUIREMENTS OF 707 WITH A MINIMUM LENGTH OF 2 FEET AND A MINIMUM WALL THICKNESS OF 0.064 INCHES.

THE LOCATION AND ELEVATION OF THE STUB ARE TO BE CONSIDERED APPROXIMATE AND MAY BE ADJUSTED BY THE ENGINEER TO AVOID CUTTING THROUGH JOINTS IN THE STRUCTURE.

THOROUGHLY CLEAN AND REGALVANIZE OR OTHERWISE SUITABLY REPAIR THE FIELD WELDED JOINT, IF USED. MEET WELDING REQUIREMENTS OF 513.21.

PROVIDE A MASONRY COLLAR PER STANDARD CONSTRUCTION DRAWING DM-1.1, TO CONNECT THE LONGITUDINAL DRAINAGE TO THE STUB, WHEN PIPE OTHER THAN CORRUGATED METAL IS USED FOR THE LONGITUDINAL DRAINAGE.

PAYMENT FOR CUTTING INTO THE STRUCTURE AND PROVIDING THE CONNECTION DESCRIBED, IS INCLUDED IN THE CONTRACT PRICE FOR ITEM 611 OR 522.

FARM DRAINS

PROVIDE UNOBSTRUCTED OUTLETS TO ALL FARM DRAINS ENCOUNTERED DURING CONSTRUCTION. REPLACE EXISTING COLLECTORS WHICH ARE LOCATED BELOW THE ROADWAY DITCH ELEVATIONS, AND WHICH CROSS THE ROADWAY WITHIN THE (RIGHT OF WAY)(CONSTRUCTION) LIMITS WITH ITEM 611, CONDUIT, TYPE B, ONE COMMERCIAL SIZE LARGER THAN THE EXISTING CONDUIT.

OUTLET EXISTING COLLECTORS AND ISOLATED FARM DRAINS, WHICH ARE ENCOUNTERED ABOVE THE ELEVATION OF ROADWAY DITCHES INTO THE ROADWAY.

DITCH USING ITEM 611, TYPE F CONDUIT. THE OPTIMUM OUTLET ELEVATION IS ONE FOOT ABOVE THE FLOWLINE ELEVATION OF THE DITCH. INTERCEPT LATERAL FIELD TILES WHICH CROSS THE ROADWAY WITH ITEM 611, TYPE E CONDUIT, AND CARRY IN A LONGITUDINAL DIRECTION TO AN ADEQUATE OUTLET OR ROADWAY CROSSING.

THE LOCATION, TYPE, SIZE AND GRADE OF REPLACEMENTS IS DETERMINED BY THE ENGINEER AND PAYMENT MADE ON FINAL MEASUREMENTS.

PROVIDE EROSION CONTROL PADS AT THE OUTLET END OF ALL FARM DRAINS PER STANDARD CONSTRUCTION DRAWING DM-1.1, EXCEPT WHEN THEY OUTLET INTO A DRAINAGE STRUCTURE.

PAYMENT FOR THE EROSION CONTROL PADS AND ANY NECESSARY BENDS OR BRANCHES IS INCLUDED FOR PAYMENT IN THE PERTINENT CONDUIT ITEMS.

PAYMENT FOR ALL LABOR AND MATERIALS WILL BE PERFORMED BY CHANGE ORDER

REVIEW OF DRAINAGE FACILITIES

PRIOR TO THE START OF WORK AND AGAIN BEFORE FINAL ACCEPTANCE, PERFORM AN INSPECTION WITH REPRESENTATIVES OF THE DEPARTMENT, CONTRACTOR AND LOCALS OF ALL EXISTING DRAINAGE FACILITIES THAT ARE TO REMAIN IN SERVICE WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCES IS DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION ARE MAINTAINED BY THE DEPARTMENT.

CONFIRM ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE-MENTIONED PARTIES ARE MAINTAINED AND LEFT IN A CONDITION COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. THE CONTRACTOR IS RESPONSIBLE TO CORRECT ANY CHANGE IN THE CONDITION RESULTING FROM THEIR OPERATIONS AS DIRECTED AND APPROVED BY THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

EXISTING SUBSURFACE DRAINAGE

PROVIDE UNOBSTRUCTED OUTLETS FOR ALL EXISTING UNDERDRAINS OR AGGREGATE DRAINS ENCOUNTERED DURING CONSTRUCTION.

PROVIDE AN OUTLET PER STANDARD CONSTRUCTION DRAWING DM-1.1 FOR ALL UNDERDRAINS THAT OUTLET TO A SLOPE. UNDERDRAINS THAT CAN BE CONNECTED TO THE NEW OR EXISTING UNDERDRAINS AT THE END OF THE PROJECT LIMITS AS WELL AS ALL NECESSARY BENDS OR BRANCHES REQUIRED FOR CONNECTION ARE INCLUDED IN THE BASIS OF PAYMENT FOR UNCLASSIFIED PIPE UNDERDRAINS.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

ITEM 601, TIED CONCRETE BLOCK MAT, WITH TYPE 1 UNDERLAYMENT 10 SQ. YD.
ITEM 611, 4" CONDUIT, TYPE F 50 FT.
ITEM 611, PRECAST REINFORCED CONCRETE OUTLET 5 EACH
ITEM 605, 4" UNCLASSIFIED PIPE UNDERDRAINS 500 FT.

TEMPORARY DRAINAGE ITEMS

TEMPORARY DRAINAGE ITEMS LABELED ON THE MAINTENANCE OF TRAFFIC PLAN ARE ITEMIZED ON THE MOT PLANS AND CARRIED TO THE GENERAL SUMMARY.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

CONTRACTION AND/OR EXPANSION JOINTS

ALTHOUGH SPECIFIC LOCATIONS OF CERTAIN CONTRACTION AND EXPANSION JOINTS HAVE BEEN DETAILED ON THIS PLAN, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. IN ALL CASES, THE PROVISION OF EXPANSION JOINTS AT ALL MAJOR STRUCTURES INCLUDING THE MAXIMUM SPACING BETWEEN CONTRACTION JOINTS IS IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING BP-2.2 AND THE SPECIFICATIONS.

SHELDON MARSH DRIVE CONSTRUCTION

CONSTRUCTION OF THE DRIVES INTO THE ODNR PROPERTY, SHELDON MARSH NATURE PRESERVE, SHALL BE COORDINATED WITH THE CONTRACTOR TO BE HIRED BY ODOT IN CONJUCTION WITH THEIR AGREEMENT WITH ODNR TO RECONSTRUCT THE DRIVES. ONLY ONE DRIVE SHALL BE CLOSED AT ANY ONE TIME. THE DRIVE APRONS, UP TO THE RIGHT OF WAY LINE WILL BE CONSTRUCTED AS PART OF THIS PROJECT AND TIMED WITH THE CONSTRUCTION OF THE PORTION BEYOND ODOT'S RIGHT OF WAY TO MINIMIZE IMPACTS TO THE OPERATION OF THE NATURE PRESERVE.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

PROGRESSION OF WORK

WIDENING SHALL BE DONE PRIOR TO RESURFACING. GUARDRAIL SHALL BE REMOVED PRIOR TO ANY EMBANKMENT WORK AT THE GUARDRAIL RUN. GUARDRAIL WORK SHALL BE DONE AFTER WIDENING, RESURFACING, AND BERM WORK SO AS TO ESTABLISH PROPER GRADES FROM WHICH TO CONSTRUCT THE RAIL.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEETS AND FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 45 HOUR.

PART-WIDTH CONSTRUCTION

BECAUSE OF THE NECESSITY TO BUILD THIS PROJECT UNDER TRAFFIC AND TO CONSTRUCT THE FULL PAVEMENT WIDTH IN STAGES, EXERCISE CARE TO PREVENT THE CONSTRUCTION OF A BUTT JOINT IN THE BASE COURSES. LAP LONGITUDINAL JOINTS AS SHOWN ON STANDARD CONSTRUCTION DRAWING BP-3.1.

ITEM 611 - MANHOLE ADJUSTED TO GRADE
ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE

THE FOLLOWING QUANTITIES ARE PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING ADJUSTMENT OR RECONSTRUCTION OF SANITARY MANHOLES.

ITEM 611 - MANHOLE ADJUSTED TO GRADE	*9 EACH*
ITEM 611 - MANHOLE RECONSTRUCTED TO GRADE	*9 EACH*

ITEM SPECIAL - MAILBOX SUPPORT SYSTEM, SINGLE.

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, SINGLE.

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GENERAL NOTES

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. *SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.*

2. *EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSUITABLE SUBGRADE. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS).*

   IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

3. *COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.*

4. *APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUBGRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.*

   PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

5. *EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.*

6. *PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.*

7. *FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.*

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

ITEM 254 - VARIABLE PAVEMENT PLANING, ASPHALT CONCRETE (DEPTH VARIES)

PLANING IS TO BE PERFORMED AS DIRECTED AND IN AREAS DESIGNATED BY THE ENGINEER. REMOVAL OF EXISTING PAVEMENT SURFACE MAY BE REQUIRED TO ELIMINATE ADVERSE SURFACE DISTORTION, WHICH IN THE JUDGEMENT OF THE ENGINEER, CANNOT BE SATISFACTORILY CORRECTED IN THE PAVING COURSES. THESE AREAS MAY VARY IN DEPTH, AS DIRECTED BY THE ENGINEER. THESE AREAS MAY INCLUDE MATERIAL DISPLACED BY RUTTING OR SHOVING ASPHALT SURFACE PATCHES, CONCRETE PATCHES, TRANSVERSE BUMPS, JOINTS AT STRUCTURES, ADJOINING PAVEMENTS, RAILROADS, ETC.

SEE PLANING DEPTHS IN A LEVELING COURSE AND PLANING TABLE FOR US-6 ON PAGES P.0060 - P.0063

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E [MASH 2016]

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE GUARDRAIL END TERMINALS FOR TYPE MGS GUARDRAIL AS LISTED ON ROADWAY ENGINEERING'S WEB PAGE UNDER ROADSIDE SAFETY DEVICES FOR APPROVED GUARDRAIL END TREATMENTS. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH REROUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

REFER TO THE MANUFACTURER'S INSTRUCTIONS REGARDING THE INSTALLATION OF, AND THE GRADING AROUND THE FOUNDATION TUBES AND GROUND STRUT. THE TOP OF ANY FOUNDATION TUBE SHOULD BE LESS THAN 4 INCHES ABOVE THE GROUND. THE PLACEMENT OF THE FOUNDATION TUBES SHOULD BE AN APPROPRIATE DEPTH BELOW THE LEVEL LINE IN ORDER TO MAINTAIN THE FINISHED GUARDRAIL HEIGHT OF 31 INCHES FROM THE EDGE OF THE SHOULDER.

ON-SITE GRADING IS REQUIRED IF THE TOP OF THE FOUNDATION TUBES OR TOP OF THE GROUND STRUT DOES PROJECT MORE THAN 4 INCHES ABOVE THE GROUND LINE.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID FOR ITEM 606, ANCHOR ASSEMBLY, MGS TYPE E, EACH, AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT A COMPLETE AND FUNCTIONAL ANCHOR ASSEMBLY SYSTEM, INCLUDING ALL RELATED TRANSITIONS, REFLECTIVE SHEETING, HARDWARE, GRADING, EMBANKMENT AND EXCAVATION NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

CONNECTING GUARDRAIL TO EXISTING RAIL

IN LOCATIONS WHERE TYPE 5 GUARDRAIL, TERMINAL ASSEMBLIES, ETC. ARE TO BE CONNECTED TO EXISTING RAIL SOME MODIFICATIONS MAY BE REQUIRED, INCLUDING EXTRA POSTS, DRILLING HOLES AND POSSIBLY PARTIAL SECTIONS OF ADDITIONAL RAIL ELEMENTS. THE COST OF THIS ADDITIONAL WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR TYPE 5 GUARDRAIL. IF ADDITIONAL WORK PORTIONS OF RAIL ELEMENT ARE USED THE LINEAL MEASUREMENT OF THIS ADDITIONAL PORTION SHALL BE ADDED FOR PAYMENT.

CONNECTION BETWEEN EXISTING AND PROPOSED GUARDRAIL

WHEN IT IS NECESSARY TO SPLICE PROPOSED GUARDRAIL TO EXISTING GUARDRAIL, ONLY THE EXISTING GUARDRAIL SHALL BE CUT, DRILLED, OR PUNCHED. THE CONNECTION SHALL BE MADE USING A W-BEAM, BEAM SPLICE AS SHOWN IN AASHTO M 180-12, EXCEPT THE BEAM WASHERS ARE NOT TO BE USED. PAYMENT SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE RESPECTIVE GUARDRAIL ITEMS.

LOCATIONS OF GUARDRAIL

THE GUARDRAIL PROTECTION PROVIDED IN THIS PLAN SHALL BE LOCATED IN THE FIELD TO ASSURE THAT THE INSTALLATION WILL AFFORD THE MAXIMUM PROTECTION FOR TRAFFIC. THIS LOCATION SHALL BE POSITIONED AS FAR AS POSSIBLE FROM THE EDGE OF PAVEMENT WHILE MAINTAINING PROPER GRADE IN FRONT OF GUARDRAIL AS PER STANDARD DRAWINGS AND PLAN DETAILS.

SUGGESTED SEQUENCE OF GUARDRAIL WORK

1. *GUARDRAIL WORK IS TO BEGIN AFTER THE LINEAR GRADING IS COMPLETED AND THE 617 MATERIAL IS PLACED.*
2. *REMOVE THE GUARDRAIL.*
3. *PERFORM THE RESHAPING UNDER GUARDRAIL INCLUDING COMPLETEING THE EMBANKMENT AS PER PLAN.*
4. *REBUILD/CONSTRUCT THE GUARDRAIL RUN.*
5. *INSTALL BARRIER REFLECTORS.*

SAFETY EDGE

IN ADDITION TO THE REQUIREMENTS OF 401.12, ATTACH A DEVICE TO THE SCREED OF THE PAVER THAT CONFINES THE MATERIAL AT THE END GATE AND EXTRUDES THE ASPHALT MATERIAL IN SUCH A WAY THAT RESULTS IN A COMPACTED WEDGE SHAPE PAVEMENT EDGE OF APPROXIMATELY 30 DEGREES (NOT STEEPER THAN 40 DEGREES). ENSURE THE DEVICE MAINTAINS CONTACT WITH THE EXISTING SURFACE, AND ALLOW FOR AUTOMATIC TRANSITION TO CROSS ROADS, DRIVEWAYS AND OBSTRUCTIONS. DO NOT USE CONVENTIONAL SINGLE PLATE STRIKE OFF.

CONSTRUCTION OF SAFETY EDGE CAN BE OMITTED AT LOCATIONS WHERE EXISTING WIDTH OF GRADED SHOULDER OR BERM IS LESS THAN 12". PROJECTS WITH VARYING CONDITIONS SHOULD USE SAFETY EDGE WHERE POSSIBLE. PLAN PREPARATION HAS MADE EVERY REASONABLE ATTEMPT TO IDENTIFY POSSIBLE SAFETY EDGE LOCATIONS.

USE THE TRANSTECH SHOULDER WEDGE MAKER, THE CARLSON SAFETY EDGE END GATE, THE ADVANT-EDGER, THE TROXLER SAFETSLOPE OR A SIMILAR APPROVED-EQUAL DEVICE THAT PRODUCES THE SAME WEDGE CONSOLIDATION RESULTS. CONTACT INFORMATION FOR THESE WEDGE SHAPE COMPACTION DEVICES IS THE FOLLOWING:

TRANSTECH SYSTEMS, INC.
1594 STATE STREET
SCHENECTADY, NY 12304
1-800-724-6306
www.transtechsys.com

ADVANT-EDGE PAVING EQUIPMENT LLC
P.O. BOX 9163
NISKAYUNA, NY 12309-0163
518-280-6090
www.advantedgepaving.com

CARLSON SAFETY EDGE END GATE
18450 50TH AVENUE EAST
TACOMA, WA 98446
253-875-8000

TROXLER ELECTRONICS LABORATORIES INC.
3008 E. CORNWALLIS RD.
RESEARCH TRIANGLE PARK, NC 27709
1-877-TROXLER
www.troxlerlabs.com

IF ELECTING TO USE A SIMILAR DEVICE, PROVIDED PROOF THAT THE DEVICE HAS BEEN USED ON PREVIOUS PROJECTS WITH ACCEPTABLE RESULTS OR CONSTRUCT A TEST SECTION PRIOR TO THE BEGINNING OF WORK AND DEMONSTRATE WEDGE COMPACTION TO THE SATISFACTION OF THE ENGINEER. SHORT SECTIONS OF HANDWORK WILL BE ALLOWED WHEN NECESSARY FOR TRANSITIONS AND TURNOUTS OR OTHERWISE AUTHORIZED BY THE ENGINEER.

IN ADDITION TO THE REQUIREMENTS OF 401.16, MAKE THE FIRST ROLLER PASS 8 TO 12 INCHES AWAY FROM TAPERED EDGE. DO NOT ROLL THE TAPER.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM. TYPE A (449), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
MINIMUM TOTAL PG BINDER CONTENT IS 6.3 PERCENT.
MINIMUM VIRGIN PG BINDER CONTENT IS 5.2 PERCENT.
USE A PG 64-22 BINDER.
WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE GRAVITY LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 9.5 MM. TYPE A (449), AS PER PLAN (SAFETY EDGE)

THE SAFETY EDGE SHALL BE INSTALLED AT THE SAME TIME AS THE SURFACE COURSE IS TO BE PLACED. THE SAFETY EDGE WILL NOT REQUIRE ANY DENSITY TESTING.

ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

CARE SHALL BE TAKEN TO MATCH EXISTING PAVEMENT ELEVATIONS AT EXISTING PAVED BERMS, DRIVES, INTERSECTIONS, ETC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
MINIMUM TOTAL PG BINDER CONTENT IS 5.6 PERCENT.
MINIMUM VIRGIN PG BINDER CONTENT IS 3.8 PERCENT.
PER SPECIFICATIONS, USE A PG 64-22 BINDER WHEN 25% AND LESS RAP IS USED. USE A PG 64-28 BINDER WHEN MORE THAN 25% RAP IS USED.
MAX RAP PERCENTAGE IS 30%.

WHEN AN AGGREGATE SOURCE IS SPECIALLY DESIGNATED WITH AN SR ON THE AGGREGATE GRAVITY LIST DO NOT USE THE AGGREGATE EXCEPT AS ALLOWED FOR MEDIUM TRAFFIC IN THE GUIDELINES FOR MAINTAINING ADEQUATE PAVEMENT FRICTION IN SURFACE PAVEMENT.

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ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM. TYPE A (448), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
MINIMUM TOTAL PG BINDER CONTENT IS 5.6 PERCENT.
MINIMUM VIRGIN PG BINDER CONTENT IS 3.8 PERCENT.
PER SPECIFICATIONS, USE A PG 64-22 BINDER WHEN 25% AND LESS RAP IS USED. USE A PG 64-28 BINDER WHEN MORE THAN 25% RAP IS USED.
MAX RAP PERCENTAGE IS 30%.

APPLY 703.05 FOR COARSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY.

ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM. TYPE A (449), AS PER PLAN

ALL OPEN TRANSVERSE JOINTS SHALL BE TAPERED TO MEET EXISTING PAVEMENT BEFORE INTRODUCING TRAFFIC. A "BUMP" SIGN (W8-1-36) SHALL BE ERECTED ON EACH SIDE OF TRANSVERSE JOINTS LEFT OPEN OVER NIGHT, INCLUDING A SPEED ADVISORY SIGN. THESE SIGNS SHALL BE REMOVED IMMEDIATELY AFTER JOINT HAS BEEN CLOSED. PLACEMENT OF SIGNS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 614 MAINTAINING TRAFFIC.

REQUIREMENTS OF 442 APPLY EXCEPT AS FOLLOWS:
MIX DESIGN: FOR Ndes USE 50 GYRATIONS, FOR Nmax USE 75 GYRATIONS.
CHOOSE OPTIMUM BINDER CONTENT AT DESIGN AIR VOIDS OF 3.5%.
USE A PG 64-22 BINDER FOR 0 TO 25% RAP AND A PG 64-28 FOR 26-30% RAP.
MAXIMUM RECLAIMED ASPHALT CONCRETE PAVEMENT IS 30 PERCENT.
APPLY 703.05 FOR COARSE AND FINE AGGREGATE EXCEPT GRADATION FOR FINE AGGREGATE DOES NOT APPLY.

ITEM 652 - CONCRETE BARRIER END SECTION, TYPE D, AS PER PLAN

THIS ITEM SHALL BE USED TO TERMINATE THE STANDARD TYPE D BARRIER AND MATCH THE VERTICAL FACE OF THE BRIDGE RAILING AT THE NORTHEAST CORNER OF BRIDGE NO. ERI-00006-15.071 (US 6 OVER SAWMILL CREEK). THIS ITEM SHALL FOLLOW ALL SPECIFICATIONS OF RM-4.6 EXCEPT THAT THE 42" HEIGHT SHOWN IN SECTION M-M SHALL BE MAINTAINED THROUGH THE LENGTH OF THE SECTION. IN ADDITION, THE SLOPING FACE AND 12" TOP WIDTH SHOWN IN SECTION M-M SHALL TRANSITION OVER THE LENGTH OF THE SECTION TO A STRAIGHT VERTICAL FACE WITH A 20" TOP WIDTH. THE BARRIER SHALL TERMINATE IN A MANNER THAT IS FLUSH WITH THE BRIDGE RAILING. PAYMENT FOR THIS ITEM SHALL INCLUDE ALL MATERIALS, LABOR, AND REINFORCING STEEL REQUIRED TO CONSTRUCT THIS BARRIER END SECTION AS DESCRIBED.

ITEM 609 - CURB, TYPE 3-B, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND PLACING ITEM 609 - CURB, TYPE 3-B FOLLOWING ALL SPECIFICATIONS REQUIRED EXCEPT THAT THE HEIGHT OF THE CURB SHALL BE 2". ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 609 - CURB, TYPE 3-B, AS PER PLAN.

ITEM SPECIAL - MISCELLANEOUS METAL

EXISTING CASTINGS MAY PROVE TO BE UNSUITABLE FOR REUSE, AS DETERMINED BY THE ENGINEER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CASTINGS OF THE REQUIRED TYPE, SIZE AND STRENGTH (HEAVY OR LIGHT DUTY) FOR THE PARTICULAR STRUCTURE IN QUESTION. ALL MATERIAL SHALL MEET ITEM 611 OF THE SPECIFICATIONS AND SHALL HAVE THE PRIOR APPROVAL OF THE ENGINEER.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

SPECIAL, MISCELLANEOUS METAL 1000 POUNDS

THE CONTRACTOR IS CAUTIONED TO USE EXTREME CARE IN THE REMOVAL, STORAGE AND REPLACEMENT OF ALL EXISTING CASTINGS. CASTINGS DAMAGED BY THE NEGLIGENCE OF THE CONTRACTOR, AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED WITH THE PROPER NEW CASTINGS AT THE EXPENSE OF THE CONTRACTOR.

ITEM 611 - RESIDENTIAL AND COMMERCIAL DRAINAGE CONNECTIONS

EXISTING ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK, SHALL BE PROVIDED WITH UNOBSTRUCTED OUTLETS BY CONNECTING A CONDUIT THROUGH THE CURB OR INTO A DRAINAGE STRUCTURE. THE LOCATIONS, TYPE, SIZE AND GRADE OF THE NEW CONDUIT REQUIRED TO PLACE OR EXTEND DRAIN WILL BE DETERMINED BY THE ENGINEER.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.51, 707.52 SDR35.

PAYMENT FIR ALL LABOR AND MATERIALS WILL BE PREFORMED BY CHANGE ORDER.

ITEM 611 - CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN

ADJUST CATCH BASIN TO PROPOSED ELEVATION AND REMOVE GRATE AND REPLACE WITH A SQUARE SOLID TRAFFIC BEARING BOLTED LID AND FRAME PER 711.14.

ITEM 611 - CATCH BASIN RECONSTRUCTED TO GRADE, AS PER PLAN

RECONSTRUCT CATCH BASIN TO PROPOSED ELEVATION AND REMOVE GRATE AND REPLACE WITH A SQUARE SOLID TRAFFIC BEARING BOLTED LID AND FRAME PER 711.14

ITEM 611 - 12' AND 15" CONDUIT, TYPE B, AS PER PLAN, CONCRETE ENCASED AND INCLUDES ROCK EXCAVATION

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING THE CONDUIT FOLLOWING ALL SPECIFICATIONS REQUIRED OF ITEM 611 AND SHALL SPECIFY CONCRETE ENCASEMENT OF PIPE INCLUDING THAT BEDROCK MAY BE ENCOUNTERED. ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 611 - 12" AND 15" CONDUIT, TYPE B, AS PER PLAN, CONCRETE ENCASED AND INCLUDES ROCK EXCAVATION.

ITEM 611 - 12", 15" AND 18" CONDUIT, TYPE B, AS PER PLAN, INCLUDES ROCK EXCAVATION

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING THE CONDUIT FOLLOWING ALL SPECIFICATIONS REQUIRED OF ITEM 611, INCLUDING THAT BEDROCK MAY BE ENCOUNTERED DURING INSTALLATION. ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 611 - 12", 15" AND 18" CONDUIT, TYPE B, AS PER PLAN, INCLUDES ROCK EXCAVATION.

ITEM 611 - 12", 15", AND 18" CONDUIT, TYPE D, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING THE CONDUIT FOLLOWING ALL SPECIFICATIONS REQUIRED OF ITEM 611 AND SHALL SPECIFY THE USE OF EXTRA STRENGTH CONCRETE AS THE MATERIAL. ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 611 - 12", 15", OR 18" CONDUIT, TYPE D, AS PER PLAN.

ITEM 611 - CATCH BASIN, NO. 4A, AS PER PLAN

THIS ITEM SHALL CONSIST OF PROVIDING AND INSTALL A PRECAST CATCH BASIN. THE BOTTOM BOX SHALL CONFORM TO STD DWG CB-4A, 5A, 8A, AND BE SIZED TO ACCOMODATE THE PROPOSED 43" X 68" ELLIPTICAL PIPE. IN LUI OF THE STANDARD CB-4 TOP BOX AND GRATE, A GRATE MEETING THE REQUIREMENTS SHOWN ON P.1 OF THE STD DWG CB-2A, 2B, 2C SHALL BE USED. ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 611 - CATCH BASIN NO. 4A, AS PER PLAN.

ITEM SPECIAL - GRASS PAVERS

THIS PAY ITEM IS TO FURNISH, ASSEMBLE, AND PLACE PAVER GRIDS FOR THE PROPOSED GRASS PAVER SURFACE ON THE ABANDONED US 6 ROADWAY ALIGNMENT. GRASS PAVERS TO BE USED ARE TO TO BE TUFFTRACK TT24 GRASS PAVERS BY NDS OR AN APPROVED EQUAL GRASS PAVER.

THE PAVER GRID SHALL BE ASSEMBLED AND PLACED AS PER THE MANUFACTURER'S SPECIFICATIONS.

ALL MATERIALS, EQUIPMENT, LABOR, AND INCIDENTALS NEEDED TO INSTALL THE GRASS PAVERS SHALL BE PAID FOR AT THE UNIT BID PRICE FOR ITEM SPECIAL - GRASS PAVERS.

ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1, AS PER PLAN

THIS WORK SHALL CONSIST OF CONSTRUCTING THE COLORING AND JOINTING OF CONCRETE FOR THE SPLITTER ISLANDS.

MATERIALS:

A. CONCRETE SHALL BE IN ACORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT STANDARD SPECIFICATIONS.
B. THE CONCRETE COLOR IS TO MATCH THE TRUCK APRON AND SHALL BE "BRICK RED" AS MANUFACTURED BY BOMANITE OR APPROVED EQUAL. PHONE 303-369-1115, EMAIL INFO@BOMANITE.COM, OR INTERNET WWW.BOMANITE.COM.
C. COLOR CONCRETE WILL BE AN INTEGRAL COLORING APPLICATION, WITH COLORING ADDITIVES MIZED IN ACCORDANCE WITH MANUFACTURER'S INCTRUCTINS. MIZ UNTIL COLOR ADDITIVES ARE UNIFORMLY DISPERSED THROUGHOUT MIXTURE. COLOR SHALL BE UNIFORM THROUGHOUT THE CONCRETE.
D. CURING COMPOUND FOR COLORED CONCRETE: CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE APPROVED BY COLOR ADDITIVE MANUFACTURER FOR USE WITH COLORED CONCRETE. PROVIDE JS CLEAR COAT SEALER OR APPROVED EQUAL ON ALL SURFACES.
E. ADMIXTURES: DO NOT USE CALCIUM CHLORIDE ADMIXTURES

CONSTRUCTION REQUIREMENTS:

A. PREPARE SUBGRADE AND INSTALL COLORED CONCRETE IN ACCORDANCE WITH THE PLANS AND SECTION 452 OF THE ODOT STANDARD SPECIFICATIONS. EXCEPT AS NOTED HEREIN.
B. JOINTS SHALL BE TOOLED IN PATTERNS INDICATED ON PLANS. OR AS NOTED HEREIN. (PATTERN: BRICK RUNNING BOND). THE SPLITTER ISLANDS SHALL BE SCORE IN A 24" RUNNING BOND PATTERN PERPENDICULAR TO THE REFERENCE LINE THAT THE SPLITTER ISLAND IS CONSTRUCTED.
C. TOOLED JOINTS: FORM JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOING WITH GROOVING TOOL TO A ¼ INCH RADIUS. REPEAT GROOVING OF CONSTRUCTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE TOOL MARKS ON CONCRETE SURFACES. EDGES OF COLORED CONCRETE NOT CONTATINED BY STANDARD CONCRETE SHALL BE TOOLED IN THE SAME MANNER.
D. FINISH: COLORED CONCRETE SHALL HAVE A BROOMED FINISH. PULL BROOM ACROSS FRESHLY FLOATED CONCRETE TO PRODUCE TEXTURE INDICATED IN STRAIGHT LINES PERPENDICULAR TO MAIN LINE OF TRAFFIC. DO NOT DAMPEN BROOMES. ROUNDABOUT TRUCK APRONS SHALL HAVE A LIGHT BROOM FINISH.
E. CURING: APPLY CURING COMPOUND FOR COLORED CONCRETE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. APPLY CURING COMPOUND AT CONSISTENT TIME FOR EACH POUR TO MAINTAIN CLOSE COLOR CONSISTENCY.
F. PROTECT ADJACENT FINSIHED SURFACES FROM SPLATTERS.
G. DO NOT ADD WATER TO CONCRETE AT JOB SITE, FOG OR SPRAY SURFACE WITH WATER, OR PUT INTO PUMPS OR ONTO TOOLS OR BROOMS.
H. DO NOT APPLY COLOR ADDITIVES MEANT FOR INTEGRAL COLORING TO SURFACE OF CONCRETE.

PAYMENT WILL INCLUDE THE COST OF FURNISHING AND PLACING ALL OF THE MATERIALS, FINISHING, AND TESTING. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE PER SQUARE YARD FOR ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1, AS PER PLAN

ITEM 451 - 8" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN

THIS WORK SHALL CONSIST OF CONSTRUCTING THE CONCRETE INCLUDING A STAIN COLORING FOR THE ROUNABOUT TRUCK APRON.

MATERIALS:

A. CONCRETE SHALL BE IN ACORDANCE WITH THE PLANS AND SECTION 451 OF THE ODOT STANDARD SPECIFICATIONS.
B. THE CONCRETE COLOR IS TO MATCH THE SPLITTER ISLANDS AND SHALL BE "BRICK RED" AS MANUFACTURED BY BOMANITE OR APPROVED EQUAL. PHONE 303-369-1115, EMAIL INFO@BOMANITE.COM, OR INTERNET WWW.BOMANITE.COM.
C. COLOR CONCRETE WILL BE AN INTEGRAL COLORING APPLICATION, WITH COLORING ADDITIVES MIZED IN ACCORDANCE WITH MANUFACTURER'S INCTRUCTINS. MIZ UNTIL COLOR ADDITIVES ARE UNIFORMLY DISPERSED THROUGHOUT MIXTURE. COLOR SHALL BE UNIFORM THROUGHOUT THE CONCRETE.
D. CURING COMPOUND FOR COLORED CONCRETE: CURING COMPOUND SHALL COMPLY WITH ASTM C309 AND BE APPROVED BY COLOR ADDITIVE MANUFACTURER FOR USE WITH COLORED CONCRETE. PROVIDE JS CLEAR COAT SEALER OR APPROVED EQUAL ON ALL SURFACES.
E. ADMIXTURES: DO NOT USE CALCIUM CHLORIDE ADMIXTURES

CONSTRUCTION REQUIREMENTS:

A. PREPARE SUBGRADE AND INSTALL COLORED CONCRETE IN ACCORIDANCE WITH THE PLANS AND SECTION 451 OF THE ODOT STANDARD SPECIFICATIONS. EXCEPT AS NOTED HEREIN.
B. FINISH: COLORED CONCRETE SHALL HAVE A BROOMED FINISH. PULL BROOM ACROSS FRESHLY FLOATED CONCRETE TO PRODUCE TEXTURE INDICATED IN STRAIGHT LINES PERPENDICULAR TO MAIN LINE OF TRAFFIC. DO NOT DAMPEN BROOMES. ROUNDABOUT TRUCK APRONS SHALL HAVE A LIGHT BROOM FINISH.
C. CURING: APPLY CURING COMPOUND FOR COLORED CONCRETE IN ACCORDIANCE WITH THE MANUFACTURER'S INSTRUCTIONS. APPLY CURING COMPOUND AT CONSISTENT TIME FOR EACH POUR TO MAINTAIN CLOSE COLOR CONSISTENCY.
D. PROTECT ADJACENT FINSIHED SURFACES FROM SPLATTERS.
E. DO NOT ADD WATER TO CONCRETE AT JOB SITE, FOG OR SPRAY SURFACE WITH WATER, OR PUT INTO PUMPS OR ONTO TOOLS OR BROOMS.
F. DO NOT APPLY COLOR ADDITIVES MEANT FOR INTEGRAL COLORING TO SURFACE OF CONCRETE.

PAYMENT WILL INCLUDE THE COST OF FURNISHING AND PLACING ALL OF THE MATERIALS, FINISHING, AND TESTING. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE PER SQUARE YARD FOR ITEM 451 - 8" REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN.

ITEM 622 - CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN

THIS ITEM SHALL BE USED TO TERMINATE THE STANDARD TYPE D BARRIER OUTSIDE THE CLEAR ZONE. THIS ITEM SHALL FOLLOW ALL SPECIFICATIONS SHOWN IN THE END ANCHORAGE DETAILS ON RM-4.5 EXCEPT THAT THE BARRIER HEIGHT SHALL TRANSITION OVER THE 15' LENGTH FROM 42" TO 6". THE SLOPING FACE SHALL BE MAINTAINED WHICH WILL RESULT IN THE 12" TOP WIDTH TRANSITIONING OVER THE LENGTH OF THE SECTION TO A FINAL TOP WIDTH OF 18.86". PAYMENT FOR THIS ITEM SHALL INCLUDE ALL MATERIALS, LABOR, AND REINFORCING STEEL REQUIRED TO CONSTRUCT THIS BARRIER END ANCHORAGE AS DESCRIBED.

ENVIRONMENTAL COMMITMENTS

THIS PROJECT IS LIKELY TO BE COVERED BY USACE REGIONAL GENERAL PERMIT. THE PERMIT WILL BE OBTAINED BY ODOT PRIOR TO CONSTRUCTION. THE SPECIAL PERMIT PROVISONS SHALL BE ADHERED TO AND WILL BE PROVIDED TO THE CONTRACTOR BY ODOT PERSONNEL PRIOR TO CONSTRUCTION

THE PROJECT SHALL MINIMIZE EMISSIONS WHILE UNDER CONSTRUCTION BY HAVING THE PROJECT TRAFFIC PLANS INCLUDE DETOURS AND STRATEGIC CONSTRUCTION TIMING (LIKE NIGHT WORK) TO CONTINUE MOVING TRAFFIC THROUGH THE AREA AND REDUCE BACKUPS TO THE TRAVELING PUBLIC TO THE EXTENT POSSIBLE. ODOT AND THE CITY OF SANDUSKY WILL SEEK TO SET UP ACTIVE CONSTRUCTION AREAS, STAGING AREAS, AND MATERIAL TRANSFER SITES IN A WAY THT REDUCES STANDING WAIT TIMES FOR EQUIPMENT.

NO CONSTRUCTION INVOLVING THE USE OF POWER-OPERATED EQUIPMENT INCLUDING, BUT NOT LIMITED TO: FRONT LOADERS, BACKHOES, DOZERS, TRACTORS, SCRAPERS, GRADERS, PAVERS, ROLLER COMPACTORS, SLIP FORM EQUIPMENT, PAVEMENT PLACING EQUIPMENT, DUMP TRUCKS, CONCRETE MIXERS, CONCRETE PUMPS, CRANES, COMPRESSORS, GENERATORS, PUMPS, PILE DRIVERS, JACK HAMMERS, ROCK DRILLS, PNEUMATIC TOOLS, SAWS, AND VIBRATORS SHALL BE PERFORMED FROM 9:00 P.M. TO 7:00 A.M. WITHOUT PRIOR PERMISSION OF THE ODOT CONSTRUCTION ENGINEER OR ODOT LOCAL PROJECT COORDINATOR.

ALL PHASES/ASPECTS OF THE PROJECT (E.G., TEMPORARY WORK AREAS, ALIGNMENTS) WILL AVOID TREE REMOVAL IN EXCESS OF WHAT IS REQUIRED TO IMPLEMENT THE PROJECT SAFELY.

TO AVOID IMPACTS TO SUMMER ROOSTING BATS, SUITABLE WOODED HABITAT (SWH) WILL BE CLEARED OR TRIMMED ONLY BETWEEN OCTOBER 1 AND MARCH 31, WHEN THE SPECIES WOULD NOT BE PRESENT.

ODOT 2023 CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMS) AND ODOT SUPPLEMENTAL SPECIFICATION (SS) 813, SS 832, AND SS 913 WILL BE FOLLOWED AS APPLICABLE TO ADDRESS PROJECT LIGHTING, DUST CONTROL, AND CONSTRUCTION AND POST-CONSTRUCTION STORMWATER CONTROLS.

ODOT 2023 CONSTRUCTION AND MATERIALS SPECIFICATIONS (CMS) AND ODOT SUPPLEMENTAL SPECIFICATION (SS) 813, SS 832, AND SS 913 WILL BE FOLLOWED AS APPLICABLE TO ADDRESS THE FOLLOWING AMMS: LIGHTING AMMS - ODOT SS813. DUST CONTROL AMM ODOT CMS 616, WATER QUALITY, WETLAND AND STREAM PROTECTION AMMS ODOT CMS 601, ODOT CMS 659, ODOT CMS 670, ODOT CMS 671, ODOT SS 832, ODOT LOCATION AND DESIGN MANUAL, VOLUME 2.

A STATE PERMITTED MALACOLOGIST MUST COMPLETE A MUSSEL SALVAGE AND RELOCATION IN ACCORDIANCE WITH THE MOST RECENT VERSION OF THE OHIO MUSSEL SURVERY PROTOCOL PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES BELOW THE ORDINARY HIGH-WATER MARK IN PLUM BROOK. THE MUSSEL SURVEY MUST OCCUR AFTER MAY 1 AND BEFORE OCTOBER 1 EITHER WITHIN THE SAME SEASON AS THE INSTREAM WORK OR THE SEASON PRIOR TO THE INSTREAM WORK. THE RESULTS OF THE MUSSEL SURVEY AND/OR SALVAGE WORK MUST BE PROVIDED TO ODOT DISTRICT ENVIRONMENTAL COORDINATOR DONOLD ROSTOFER (DONOLD.ROSTOFER@DOT.OHIO.GOV; 419-207-7178) FOR COORDINATION WITH ODNR. THE CONTRACTOR CANNOT PERFORM ANY WORK BELOW THE ORDINARY HIGH-WATER MARK OF PLUM BROOK UNTIL THE MUSSEL SALVAGE AND RELOCATION WORK HAS BEEN COMPLETED AND APPROVAL HAS BEEN RECIEVED FROM ODNR.

TO AVOID PROJECT IMPACTS TO THE KIND RAIL OR ITS SUITABLE HABITAT, CONSTRUCTION SHOULD BE AVOIDED IN WETLANDS DURING ITS NESTING PERIOD OF MAY 1 TO JULY 31.

ENVIRONMENTAL COMMITMENTS (CONT.)

TO AVOID PROJECT IMPACTS TO THE LEAST BITTERN OR ITS SUITABLE HABITAT, CONSTRUCTION SHOULD BE AVOIDED IN WETLANDS DURING ITS NESTING PERIOD OF MAY 1 TO JULY 31.

TO AVOID PROJECT IMPACTS TO THE NORTHERN HARRIER OR ITS SUITABLE HABITAT, CONSTRUCTION SHOULD BE AVOIDED IN GRASSLANDS DURING ITS NESTING PERIOD OF APRIL 15 TO JULY 31.

TO AVOID PROJECT IMPACTS TO THE TRUMPETER SWAN OR ITS SUITABLE HABITAT, CONSTRUCTION SHOULD BE AVOIDED IN WETLANDS DURING ITS NESTING PERIOD OF APRIL 15 TO JUNE 15.

TO AVOID PROJECT IMPACTS TO THE UPLAND SANDPIPER OR ITS SUITABLE HABITAT, CONSTRUCTION SHOULD BE AVOIDED IN DRY GRASSLANDS, GRAZED AND UNGRAZED PASTURE, AND HAYFIELDS DURING ITS NESTING PERIOD OF APRIL 15 TO JUNE 15.

THE CONTRACTOR WILL INSTALL EXCLUSION FENCING AROUND PLUM BROOK TO PREVENT BLANDING'S TURTLES FROM ENTERING CONSTRUCTION LIMITS. AFTER THIS IS IN PLACE, AN ODNR APPROVED HERPETOLOGIST WILL WALK THE AREA TO ENSURE THERE ARE NO TURTLES TRAPPED WITHIN THE CONSTRUCTION LIMITS. CONSTRUCTION CREWS WILL BE TRAINED TO IDENTIFY THE BLANDING'S TURTLE. IF A BLANDING'S TURTLE IS ENCOUNTERED WITHIN THE CONSTRUCTION LIMITS, THE ODOT CONSTRUCTION ENGINEER AND/OR THE ODOT LOCAL PROJECTS COORDINATOR WILL IMMEDIATELY CONTACT THE DISTRICT ENVIRONMENT COORDINATOR DONALD ROSTOFER (DONOLD.ROSTOFER@DOT.OHIO.GOV; 419-207-7178). AN ODNR APPROVED HERPETOLOGIST WILL BE CALLED TO RELOCATE IT FROM THE CONSTRUCTION LIMITS. CONSTRUCTION ACTIVITIES WITHIN THE VICINITY OF THE TURTLE WILL CEASE UNTIL THE DISTRICT ENVIRONMENTAL COORDINADOR DETERMINES THE COORDINATION/ CONSULTATION WITH ODNR IS COMPLETE.

THE PROJECT IS LOCATED NEAR A DRINKING WATER PROJECTION AREA. IN ORDER TO MINIMIZE THE POTENTIAL FOR CONTAMINATION, THE CONTRACTOR SHALL NOT PERFORM PROJECT RELATED REFUELING AND VEHICLE MAITENANCE ACTIVITIES FROM CAMP ROAD TO RYE BEACH ROAD. THE CONTRACTOR SHALL IMMEDIATELY TAKE STEPS TO MITIGATE ANY EVENT, SUCH AS A SPILL OF FUELS, OILS, OR CHEMICALS THAT COULD THREATEN TO CONTAMINATE THE DRINKING WATER SUPPLY. ANY SUCH SPILL OR EVENT SHALL BE REPORTED IMMEDIATELY TO WASTEWATER TREATMENT DIVISION OF ERIE COUNTY ENVIRONMENTAL SERVICES AT 419-433-7303, OR CALL 419-433-671 FOR AN AFTER HOURS EMERGENCY. IF THE SPILL IS A REPORTABLE AMOUNT (PER OHIO EPA'S RELEASE REPORTING REQUIREMENTS), THE CONTRACTOR SHALL CALL HURON FIRE DIVISION AT 419-733-3544, OR THE OHIO EPA'S SPILLS HOTLINE 1-800-282-9378 FOR CLEAN-UP OF THE SPILL.

IF DURING THE ROW PROCESS, SHOULD CONSULTATION WITH ERIE METROPARKS RESULT IN CHANGES IN DESIGN OR CHANGES IN THEIR CONCERNS REGARDING THE IMPACTS ON THEIR HOLDINGS, A REEVALUATION OF THE NEPA DECISION WILL BE PERFORMED, IF NECESSARY.

FIRE, POLICE, EMERGENCY SERVICES, AND LOCAL SCHOOLS SHOULD BE NOTIFIED BY THE PROJECT ENGINEER PRIOR TO BEGINNING ANY MAJOR DISRUPTIVE, TIME DELAYING TRAFFIC CONTROL CHANGES DURING CONSTRUCTION.

ODOT AND THE CITY OF SANDUSKY WILL OBTAIN ALL APPROPRIATE WATERWAY PERMITS PRIOR TO ANY WORK WITHIN THE JURISDICTIONAL BOUNDARY OF ANY WATERWAY, INCLUDING WETLANDS, AND ALL WATERWAY PERMIT SPECIAL PROVISIONS WILL BE INCLUDED IN THE PLANS AND ADHERED TO DURING CONSTRUCTION.

ENVIRONMENTAL COMMITMENTS (CONT.)

A NOTICE OF INTENT WILL BE SUBMITTED TO OHIO EPA FOR COVERAGE UNDER THE NPDES CONSTRUCTION STORM WATER PERMIT. THE CONTRACTOR WILL BE REQUIRED TO DEVELOP A STORMWATER POLLUTION PREVENTION PLAN FOR THE PROJECT.

ODOT SHALL SELF-PERMIT FOR FLOODPLAINS OR DOCUMENTATION OF EXEMPTION PRIOR TO THE PLAN FILE. THE CITY OF SANDUSKY SHALL COORDINATE WITH THE LOCAL FLOODPLAIN ADMINISTRATOR TO OBTAIN ANY NECESSARY FLOODPLAIN PERMITS.

ITEM 202-REMOVAL MISC.: LANDSCAPE ROCK OR BOULDER

LANDSCAPE ROCKS OR BOULDERS IN CONFLICT WITH THE PROPOSED WORK SHALL BE REMOVED BY THE CONTRACTOR UNLESS THE PROPERTY OWNER RELOCATES THE ROCKS/BOULDERS OUTSIDE OF THE CONSTRUCTION LIMITS. THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER PRIOR TO REMOVAL OF ANY LANDSCAPE ROCK OR BOULDER IDENTIFIED FOR REMOVAL (OR OTHERWISE IN CONFLICT WITH THE PROPOSED WORK) TO ALLOW THE OWNER THE OPPORTUNITY FOR RELOCATION.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

ITEM 202 - REMOVAL MISC.: PRIVATE LIGHT POLE

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING PRIVATE LIGHT POLES WHERE SPECIFIED IN THE PLANS.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

ITEM 607 - FENCE MISC.: WOOD FENCE

THE WOOD FENCE IS INTENDED FOR USE ALONG SHARED USE PATHS WHERE WARRANTED, AS SHOWN IN THE PLANS. FENCE DESIGN SHALL FOLLOW SCD RM-5.2.

ITEM 202 - REMOVAL MISC.: ELECTRIC OUTLET

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING PRIVATE ELECTRIC OUTLET AND RELATED COMPONENTS WITHIN THE CONSTRUCTION LIMITS WHERE SPECIFIED IN THE PLANS.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

ITEM 202 - REMOVAL MISC.: WATER FAUCET

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING PRIVATE WATER FAUCET AND RELATED COMPONENTS WITHIN THE CONSTRUCTION LIMITS WHERE SPECIFIED IN THE PLANS.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

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GENERAL NOTES

DESIGN AGENCY
TRANSYSTEMS
400 N. MAITLAND AVE. SUITE 225
COLUMBUS, OHIO 43215
DESIGNER TK
REVIEWER GHM 07/30/25
PROJECT ID 116570
SHEET P.0068 TOTAL 1088

ITEM 202 - REMOVAL MISC: FLAG POLE

THE CONTRACTOR SHALL REMOVE THE FLAG POLES INDICATED IN THE PLANS AND RETURN TO LANDOWNERS. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY POLES DAMAGED BY IMPROPER HANDLING, AS JUDGED AND DIRECTED BY THE ENGINEER.

ITEM 202 - REMOVAL MISC.: WOOD, CONCRETE, OR STEEL POST

THIS ITEM SHALL BE USED TO REMOVE AND DISPOSE OF THE EXISTING POSTS WHERE SPECIFIED IN THE PLANS. PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

ITEM 202 - REMOVAL MISC.: YARD ART

THE CONTRACTOR SHALL COORDINATE WITH THE PROPERTY OWNER TO ALLOW THE OWNER THE CHANCE TO RELOCATE YARD ART PRIOR TO CONSTRUCTION TO A NEW LOCATION BEYOND THE CONSTRUCTION LIMITS. IF THE OWNER DOES NOT RELOCATE THE YARD ART, THE CONTRACTOR SHALL REMOVE YARD ART AND RETURN TO THE OWNER. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, REPLACING, OR COMPENSATING THE OWNER FOR ANY YARD ART DAMAGED BY IMPROPER HANDLING, AS JUDGED AND DIRECTED BY ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF ANY FOUNDATION MATERIALS BELOW THE ART.

EARTHWORK SUBSUMMARY

SHEET NO.	ALIGNMENT/ LOCATION	203 EXCAVATION CY	204 EMBANKMENT CY
P.0481	SUP 1	4,400	2,435
P.0509	US 6 @ PERKINS	5,362	21,618
P.0534	SUP 2	2,443	1,920
P.0550	US 6 @ CAMP	2,474	1,403
P.0604	US 6	22,481	13,037
P.0607	PERKINS	137	1,202
P.0609	CAMP	97	176
P.0621	RYE BEACH SUP	676	98
P.0644	RYE BEACH	4,454	17,242
P.0650	RAMP A	768	1,739
P.0655	RAMP B	233	4,338
P.0659	RAMP C	369	3,890
P.0664	RAMP D	368	3,653
P.0668	RAB A	1	6,656
P.0672	RAB B	335	4,586
P.0678	RAB C	2,439	3,465
P.0685	RAB D	247	8,503
P.0693	RAB E	155	9,912
P.0823	BIORETENTION A	1,564	459
P.0824	BIORETENTION D	1,793	157
GRAND TOTAL CARRIED TO GENERAL SUMMARY		50,796	106,489

ITEM 202 - REMOVAL MISC: LANDSCAPE WALL

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING STONE MODULAR BLOCK LANDSCAPE WALLS (HEIGHT = 2') WHERE SPECIFIED IN THE PLANS.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER LINEAR FOOT FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

ITEM 202 - REMOVAL MISC: LANDSCAPE BED

THIS ITEM SHALL BE USED TO REMOVE THE EXISTING WOOD-FRAMED LANDSCAPE BEDS WHERE SPECIFIED IN THE PLANS. LANDSCAPE BED ITEMS INCLUDING WOOD FRAME, MULCH, AND VEGETATION WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK.

ITEM 202 - REMOVAL MISC: BILLBOARD

THIS ITEM CONSISTS OF A SINGLE STEEL POST BILLBOARD STRUCTURE WITH CONCRETE FOUNDATIONS. 2 SIGN FACES ARE BRACED WITH I-BEAMS. THE BILLBOARD IS LOCATED ON PARCEL 64, AT THE INTERSECTION OF RYE BEACH ROAD AND US-6, NEAR STA 1808+50.00, AS SHOWN ON SHEET P.0401. THIS ITEM SHALL INCLUDE THE REMOVAL AND DISPOSAL OF ALL MATERIAL ASSOCIATED WITH THE BILLBOARD, STRUCTURE, LIGHTING SERVICE, AND CONCRETE FOUNDATIONS TO ONE FOOT BELOW THE EXISTING GRADE OR THE GRADE NECESSARY TO COMPLETE THE PROPOSED WORK.

APPROXIMATE DIMENSIONS OF SIGN FACES ARE 8' X 14'. ANY REMAINING HOLE FROM THE REMOVAL OF THE SIGN SHALL BE FILLED.

ITEM 202 - REMOVAL MISC.: PRIVATE SIGN

THE CONTRACTOR SHALL REMOVE THE PRIVATE SIGNS WHERE INDICATED IN THE PLANS AND RETURN TO LANDOWNERS. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY SIGN DAMAGED BY IMPROPER HANDLING, AS JUDGED AND DIRECTED BY ENGINEER.

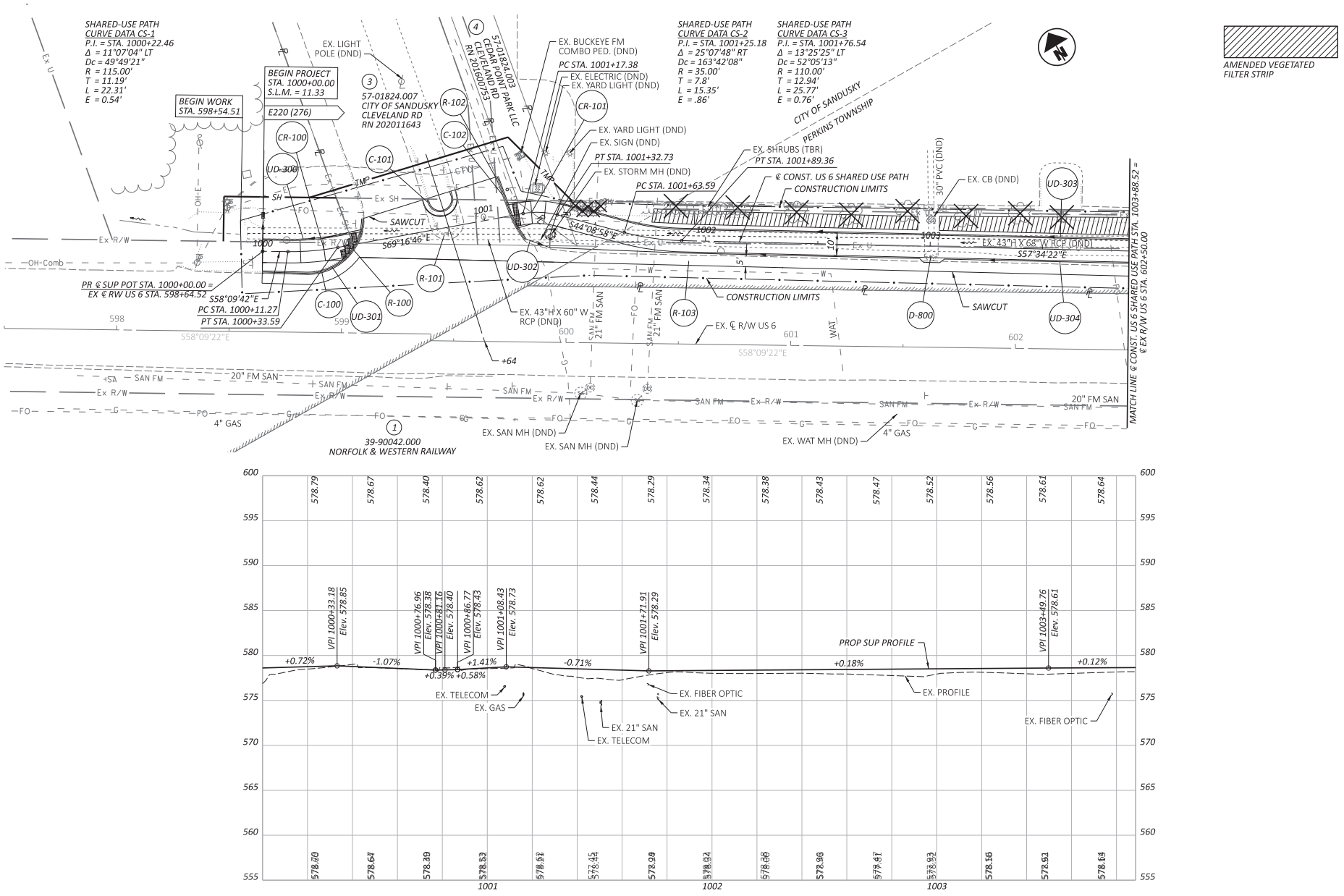
PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER EACH FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK AS DESCRIBED IN THE TABLE BELOW.

REF NO.	SIGN MATERIAL	ALIGNMENT	SIDE	STATION	ITEMS INCLUDED IN REMOVAL
R-141	WOOD	EX. CL R/W US 6	LT	630+53.37	N/A
R-143	MASONRY	EX. CL R/W US 6	LT	633+67.80	LANDSCAPING
R-150	WOOD	EX. CL R/W US 6	LT	641+21.83	N/A
R-162	WOOD	EX. CL R/W US 6	LT	649+97.86	LANDSCAPING
R-164	WOOD	EX. CL R/W US 6	LT	648+98.55	N/A
R-254	WOOD	EX. CL R/W US 6	LT	724+98.62	LANDSCAPING
R-441	STEEL	CL CONST. US 6	LT	1739+01.85	LANDSCAPING
R-456	WOOD	CL CONST. US 6	RT	1738+55.42	LANDSCAPING
R-503	MASONRY	US-06	LT	1745+68.10	LANDSCAPING
R-504	MASONRY	US-06	LT	1746+34.50	LANDSCAPING
R-510	CONCRETE	US-06	LT	1749+58.70	N/A
R-506	WOOD	US-06	LT	1751+69.75	N/A
R-512	WOOD	US-06	RT	1751+96.52	N/A
R-513	WOOD	US-06	RT	1752+61.78	N/A
R-523	WOOD	US-06	RT	1755+69.03	2 LIGHTS, PAVERS
R-530	WOOD	US-06	LT	1756+60.70	N/A
R-543	STEEL	US-06	RT	1765+16.95	N/A
R-544	WOOD	US-06	RT	1766+64.98	N/A
R-556	STEEL	US-06	RT	1769+53.44	N/A
R-557	STEEL	US-06	RT	1771+55.75	N/A
R-581	WOOD	US-06	LT	1783+92.76	1 LIGHT
R-585	WOOD	US-06	LT	1788+84.75	N/A
R-609	WOOD	US-06	LT	1792+81.30	1 LIGHT
R-649	STEEL	US-06	RT	1804+02.96	N/A
R-807	STEEL	US-06	RT	1804+48.39	N/A
R-808	STEEL	US-06	RT	1804+72.85	N/A
R-809	STEEL	US-06	LT	1804+75.26	N/A
R-812	STEEL	US-06	LT	1805+09.31	N/A
R-815	WOOD	US-06	LT	1805+61.82	N/A
R-816	STEEL	US-06	RT	1809+60.14	N/A
R-817	WOOD	US-06	RT	1811+90.66	N/A
R-818	WOOD	US-06	RT	1812+25.80	N/A
R-819	STEEL	RYE BEACH RD	RT	160+80.78	N/A
R-820	STEEL	RYE BEACH RD	RT	162+48.30	CONCRETE FOUNDATION

GENERAL NOTES

DESIGN AGENCY
TRANSYSTEMS
400 N. ANTHONY BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER TK
REVIEWER GHM 07/30/25
PROJECT ID 116570
SHEET P.0069 TOTAL 1088



ERI-US 0006-CONNECTIVITY CORRIDOR

PLAN AND PROFILE - US 6 SUP

BEGIN TO EX R/W STA. 602+50.00/US 6 SUP STA. 1000+00.00 TO STA. 1003+88.52

HORIZONTAL SCALE IN FEET 0 10 20 40

DESIGN AGENCY OHM

DESIGNER SDH

REVIEWER AHC 07/30/25

PROJECT ID 116570

SHEET P.0356 TOTAL 1088

MODEL: CLP_SUP_1 - Plan 001 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:59:05 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCExO2 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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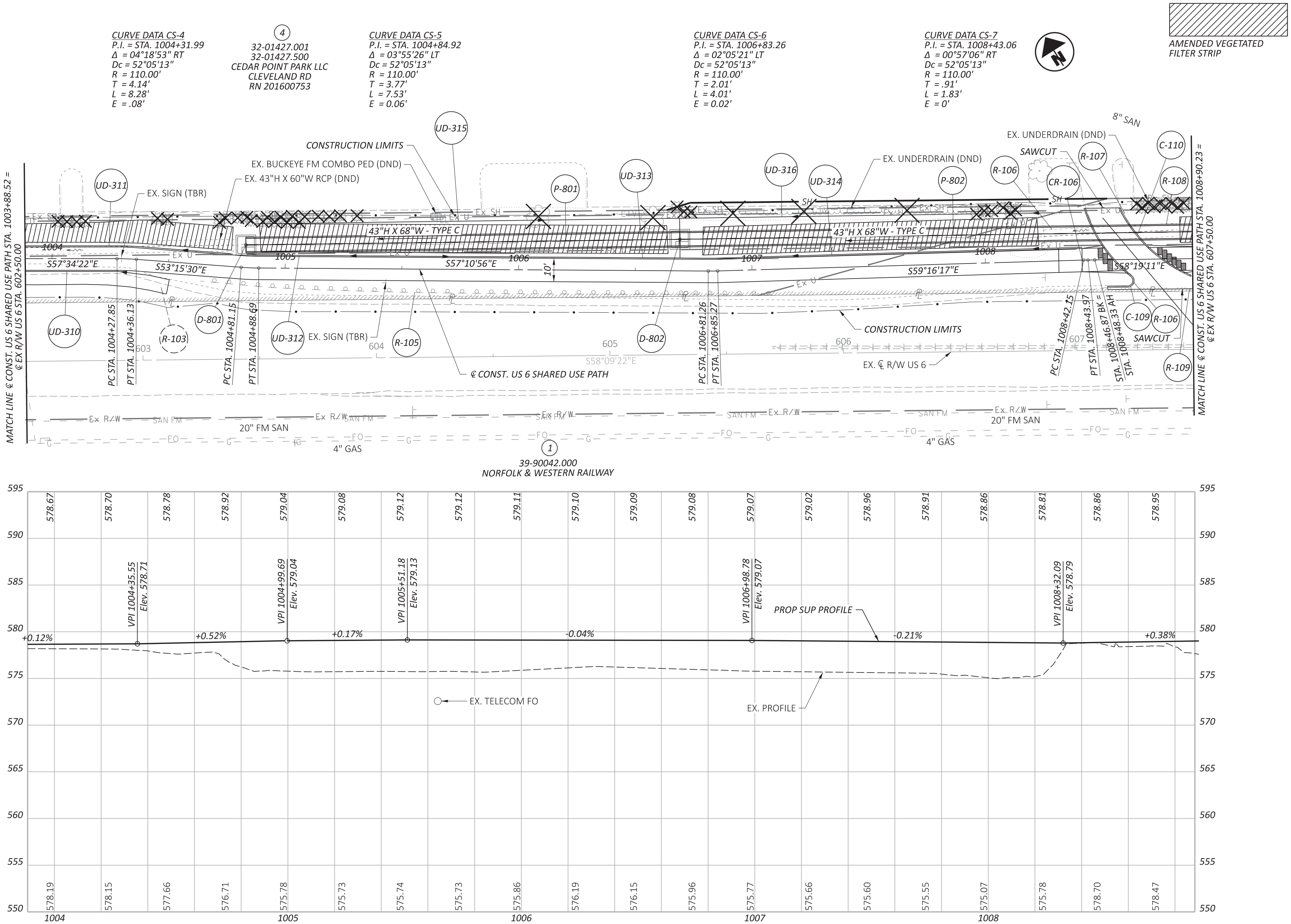

PLAN AND PROFILE - US 6 SUP

EX R/W STA. 602+50.00 TO STA. 607+50.00/US 6 SUP STA. 1003+88.52 TO STA. 1008+90.23

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_SUP_1 - Plan 002 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:59:26 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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DESIGN AGENCY
OHM

DESIGNER
SDH
REVIEWER
AHC 07/30/25
PROJECT ID
116570
SHEET TOTAL
P.0357 1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_SUP_1 - Plan 003 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:59:28 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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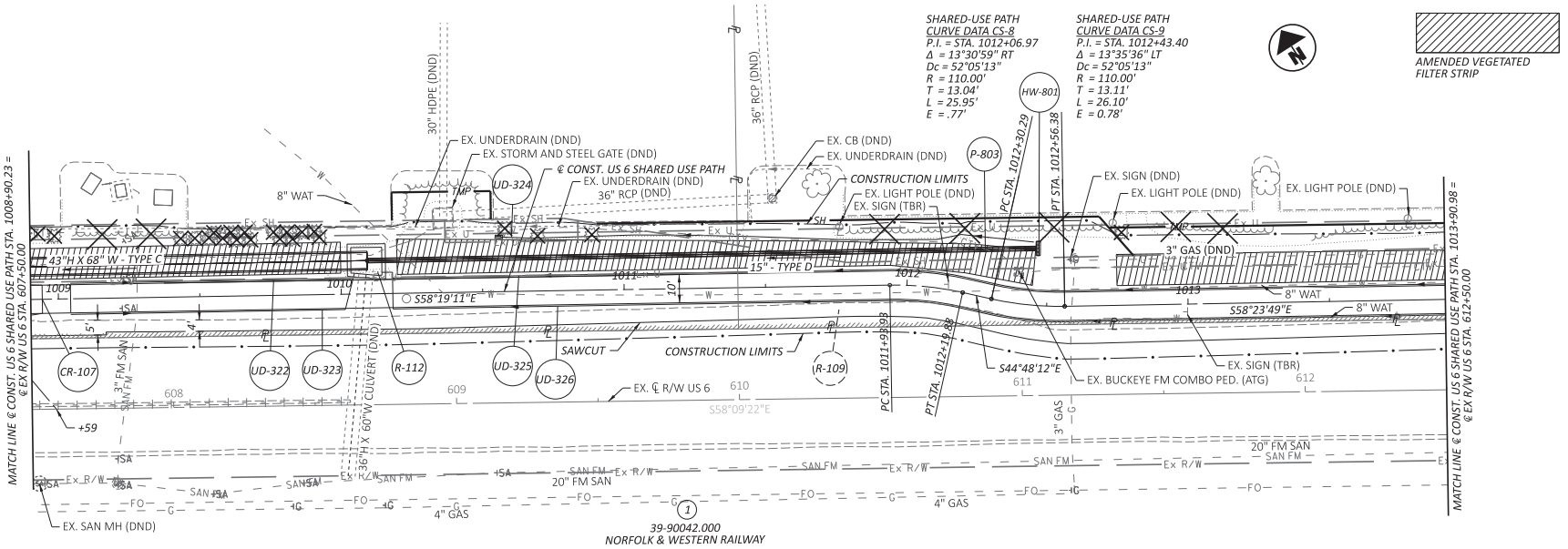

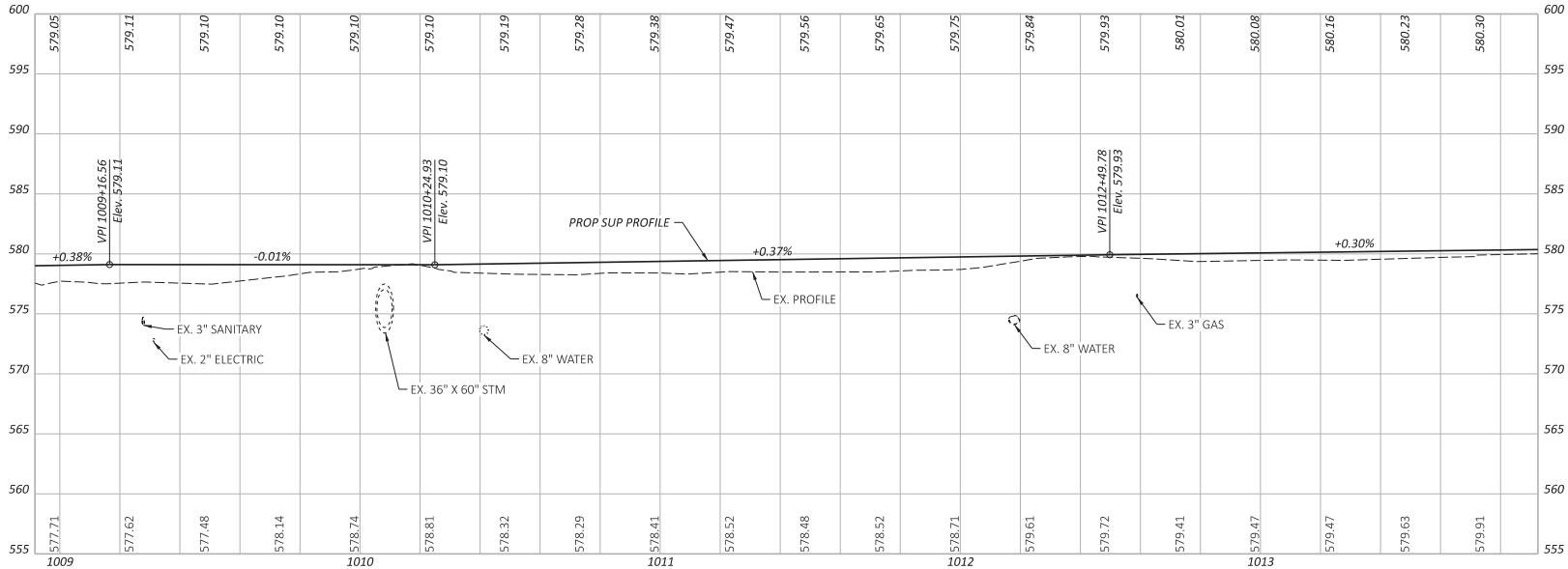

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6 SUP

EX R/W STA. 607+50.00 TO STA. 612+50.00/US 6 SUP STA. 1008+90.23 TO STA. 1013+90.98

DESIGN AGENCY
OHM

DESIGNER	SDH
REVIEWER	AHC 07/30/25
PROJECT ID	116570
SHEET	P.0358
TOTAL	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_SUP_1 - Plan 004 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:59:31 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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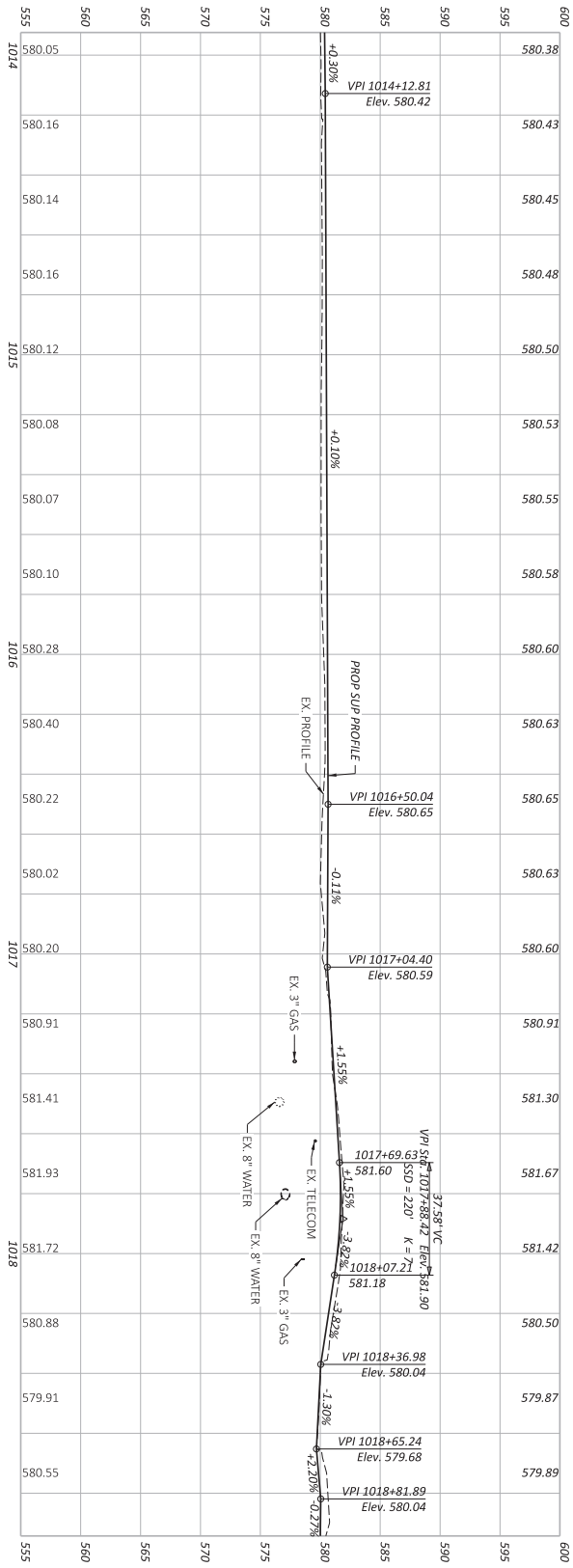
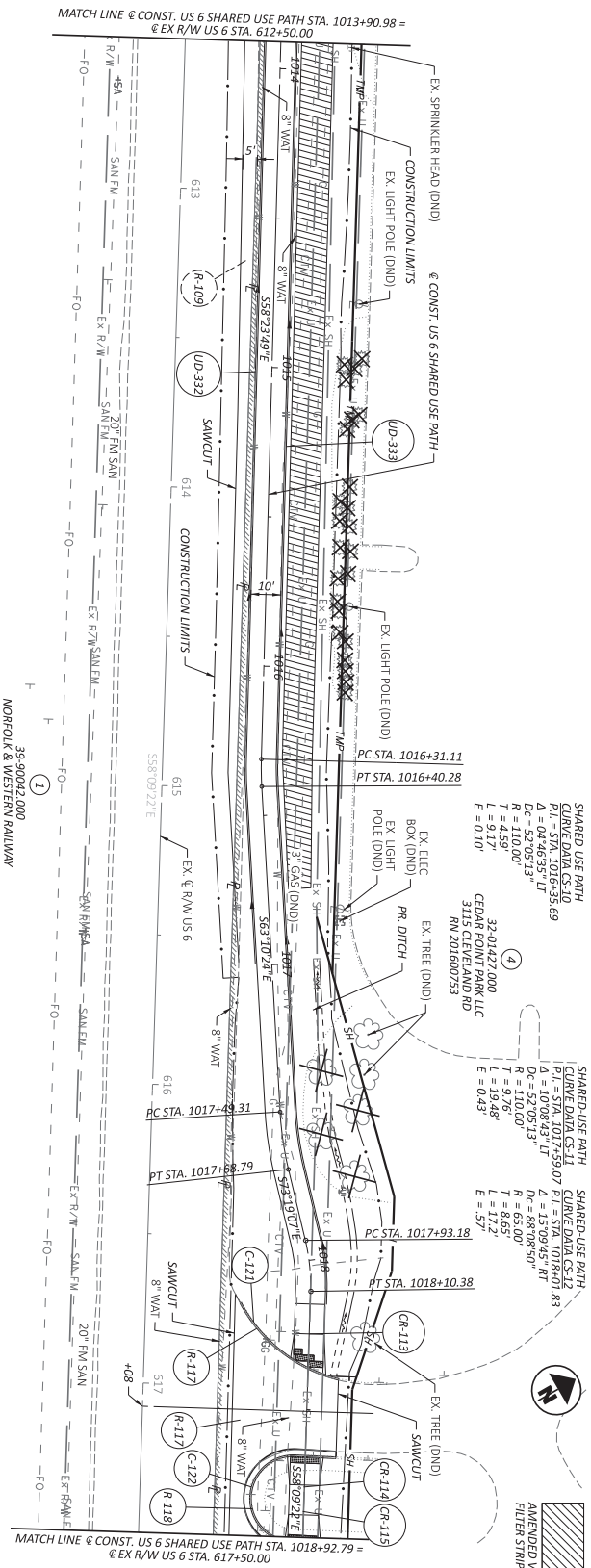




PLAN AND PROFILE - US 6 SUP

EX R/W STA. 612+50.00 TO STA. 617+50.00/PR SUP STA. 1013+90.98 TO STA. 1018+92.79

HORIZONTAL SCALE IN FEET

0 20 10 40

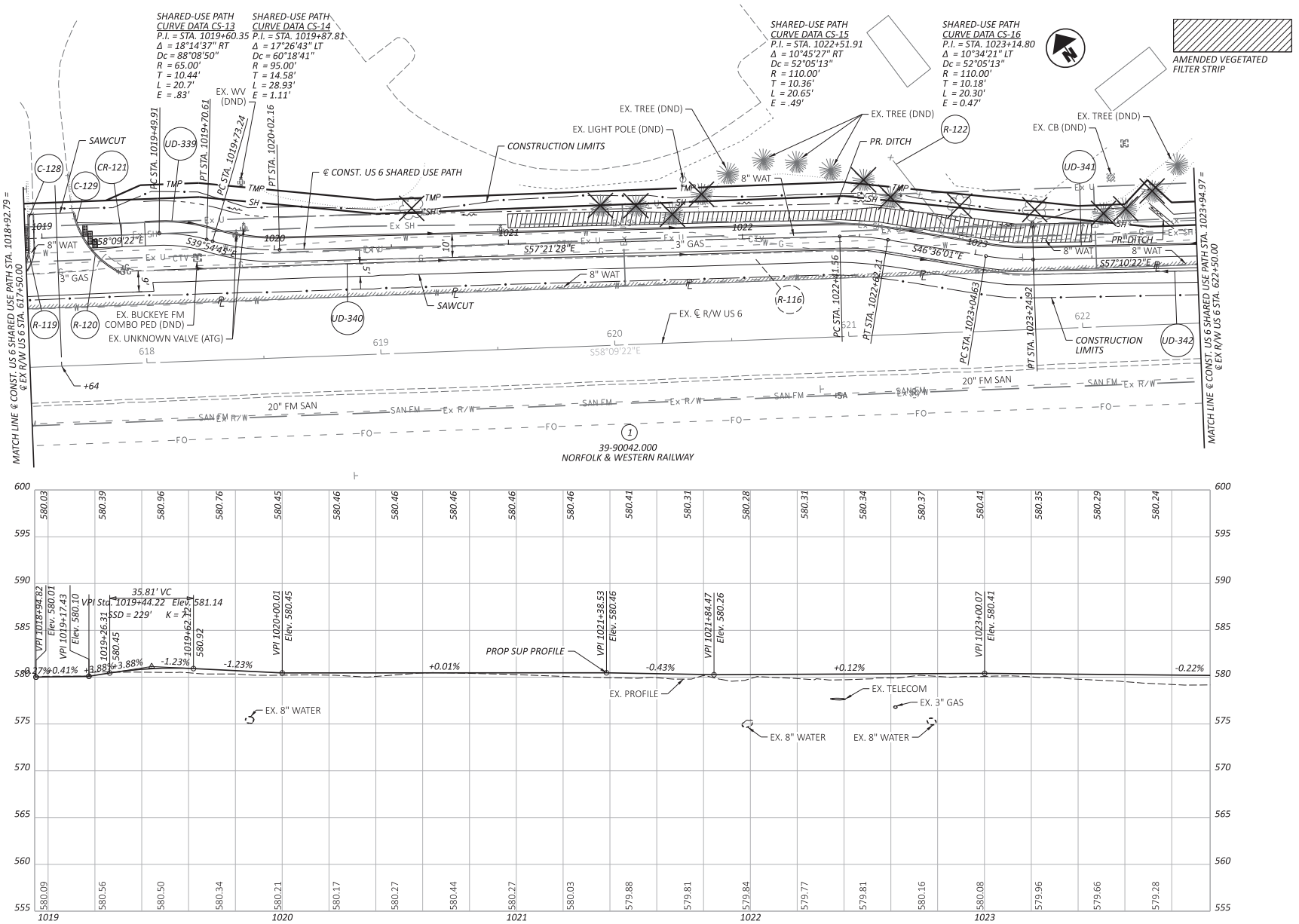
DESIGN AGENCY: OHM

DESIGNER: SDH

REVIEWER: AHC 07/30/25

PROJECT ID: 116570

SHEET: P 0359 | TOTAL: 1088



ERI-US 0006-CONNECTIVITY CORRIDOR

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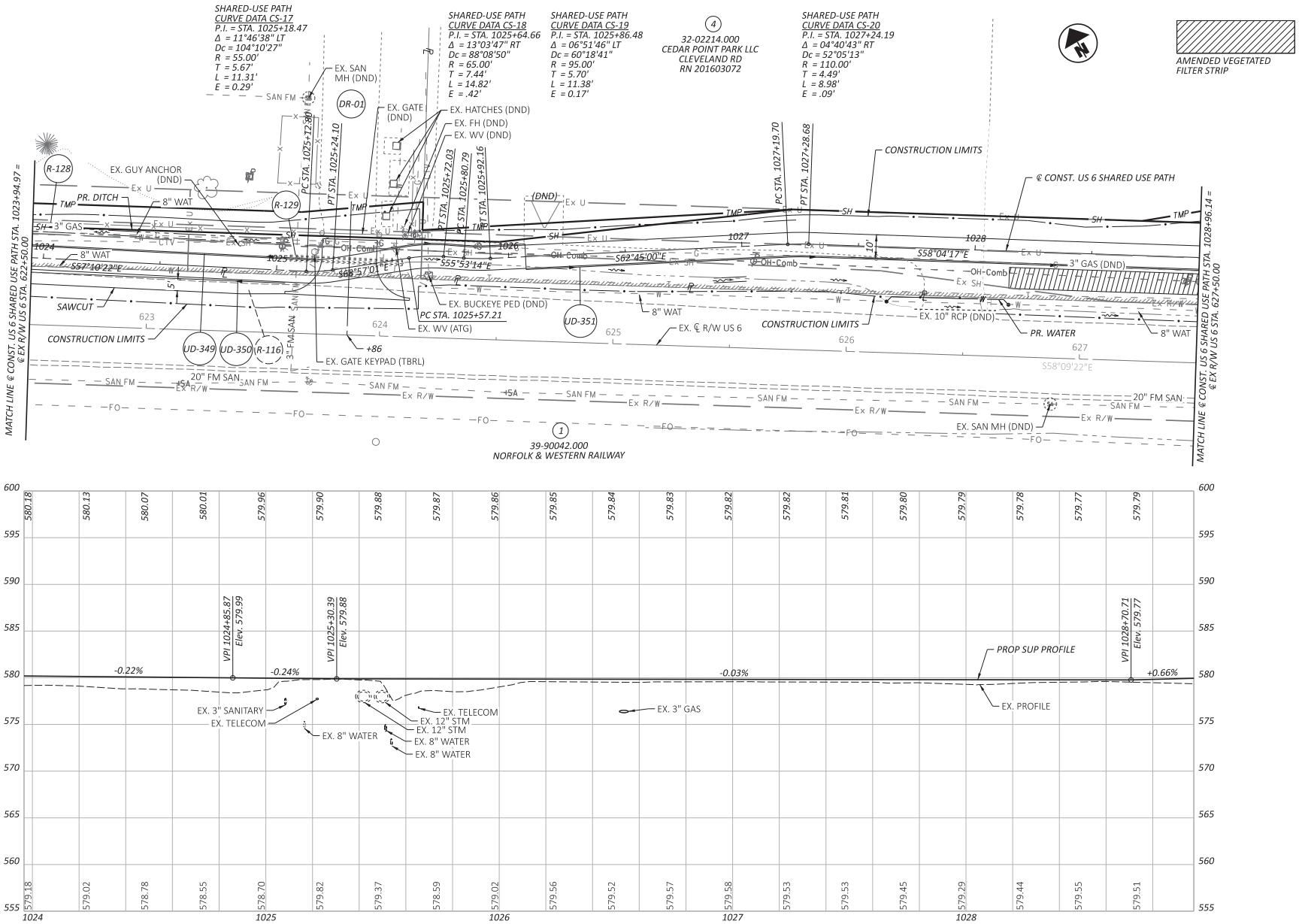
HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6 SUP
EX R/W STA. 617+50.00 TO STA. 622+50.00/US 6 SUP STA. 1018+92.79 TO STA. 1023+94.97

DESIGN AGENCY
OHM

DESIGNER	SDH
REVIEWER	AHC 07/30/25
PROJECT ID	116570
SHEET	P.0360
TOTAL	1088



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6 SUP

EX R/W STA. 622+50.00 TO STA. 627+50.00/US 6 SUP STA. 1023+94.97 TO STA. 1028+96.14

DESIGN AGENCY
OHM

DESIGNER	SDH
REVIEWER	AHC 07/30/25
PROJECT ID	116570
SHEET	P.0361
TOTAL	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_SUP_1 - Plan 006 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:59:36 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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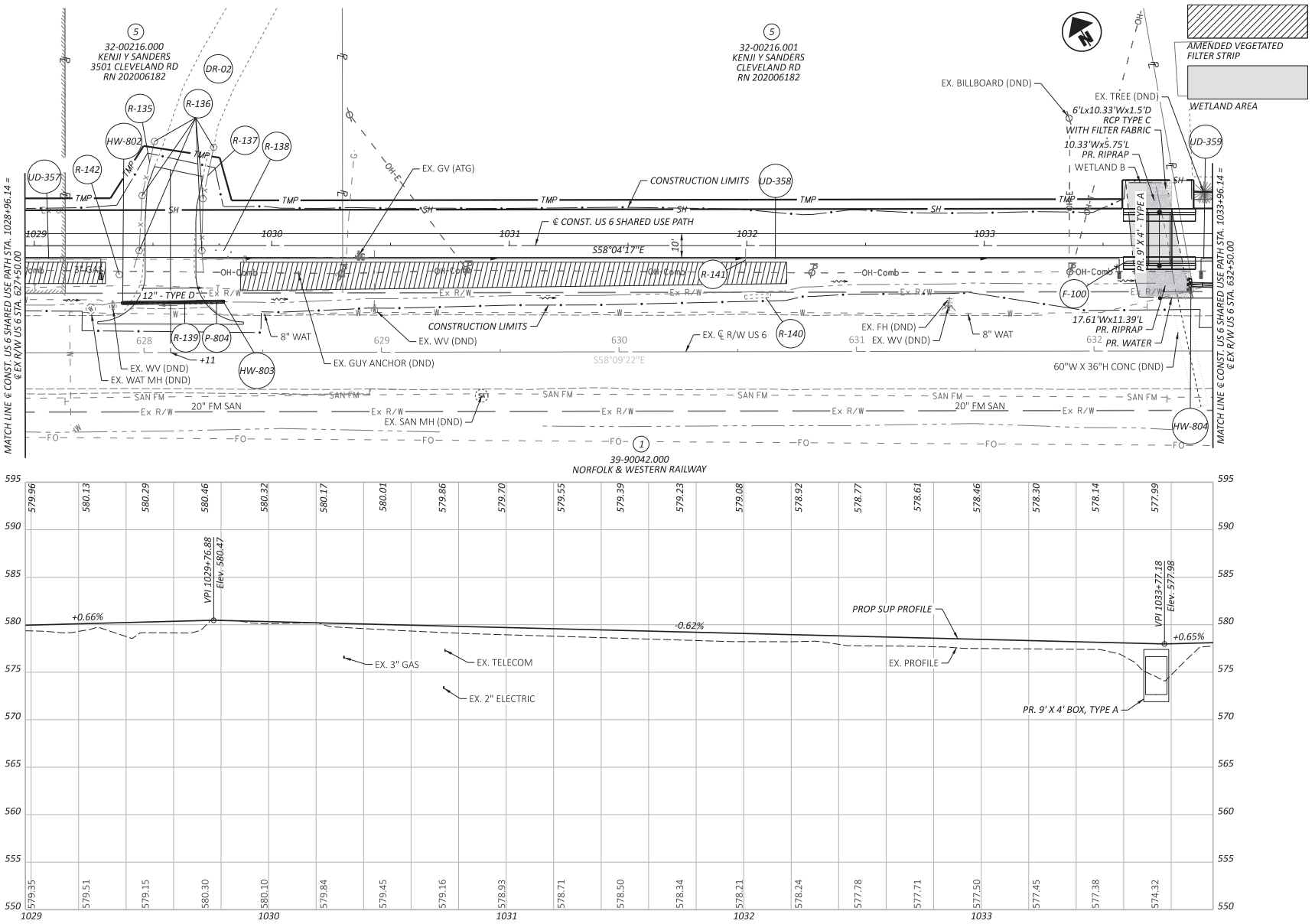


ERI-US 0006-CONNECTIVITY CORRIDOR

PLAN AND PROFILE - US 6 SUP

EX R/W STA. 627+50.00 TO STA. 632+50.00/US 6 SUP STA. 1028+96.14 TO STA. 1033+96.14

HORIZONTAL SCALE IN FEET 0 10 20 40

DESIGN AGENCY

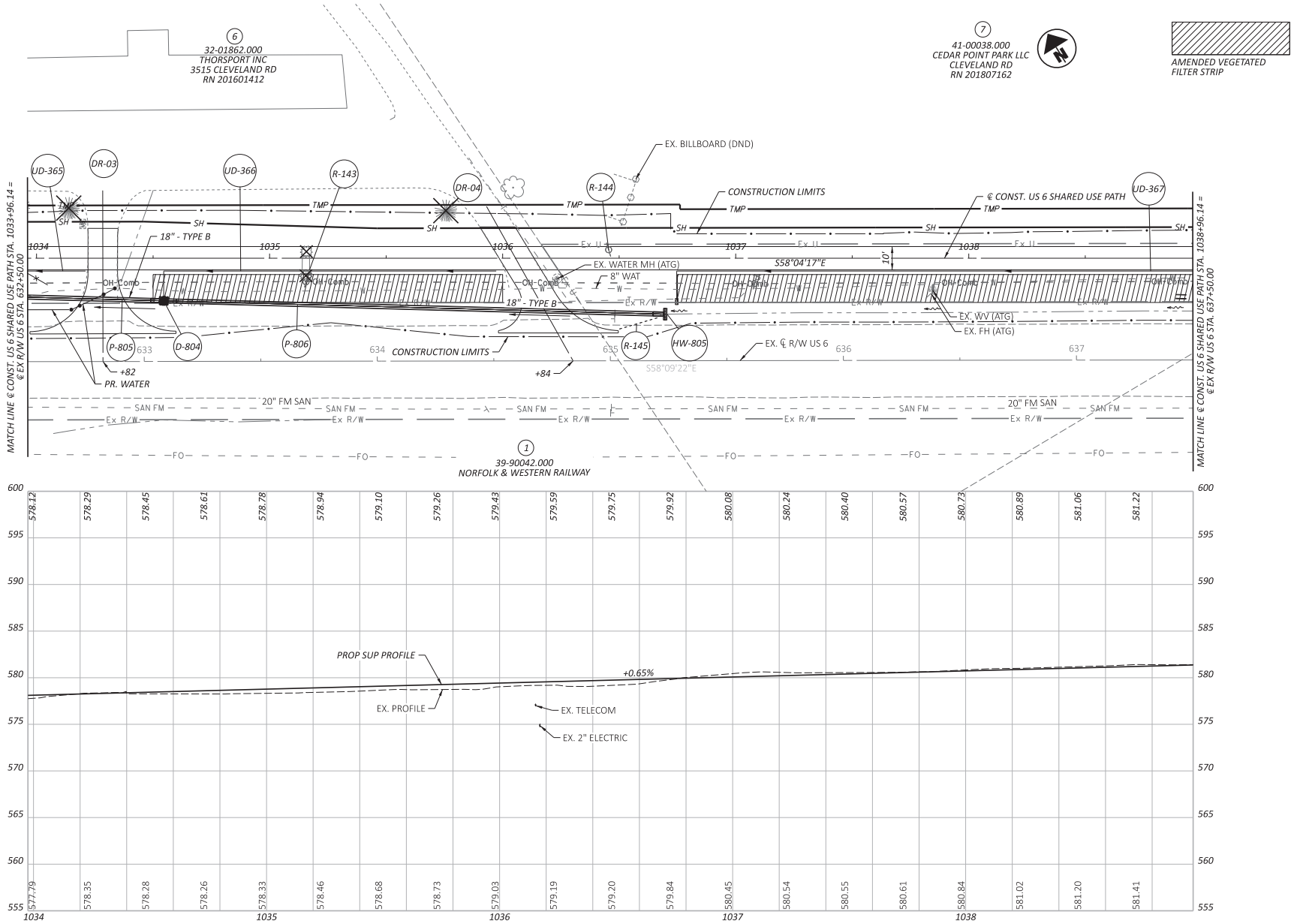
OHM

DESIGNER SDH

REVIEWER AHC 07/30/25

PROJECT ID 116570

SHEET P.0362 TOTAL 1088



ERI-US 0006-CONNECTIVITY CORRIDOR

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6 SUP

EX R/W STA. 632+50.00 TO STA. 637+50.00/US 6 SUP STA. 1033+96.14 TO STA. 1038+96.14

DESIGN AGENCY
OHM

DESIGNER	SDH
REVIEWER	AHC 07/30/25
PROJECT ID	116570
SHEET	P.0363
TOTAL	1088

MODEL: CLP_SUP_1 - Plan 009 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:59:44 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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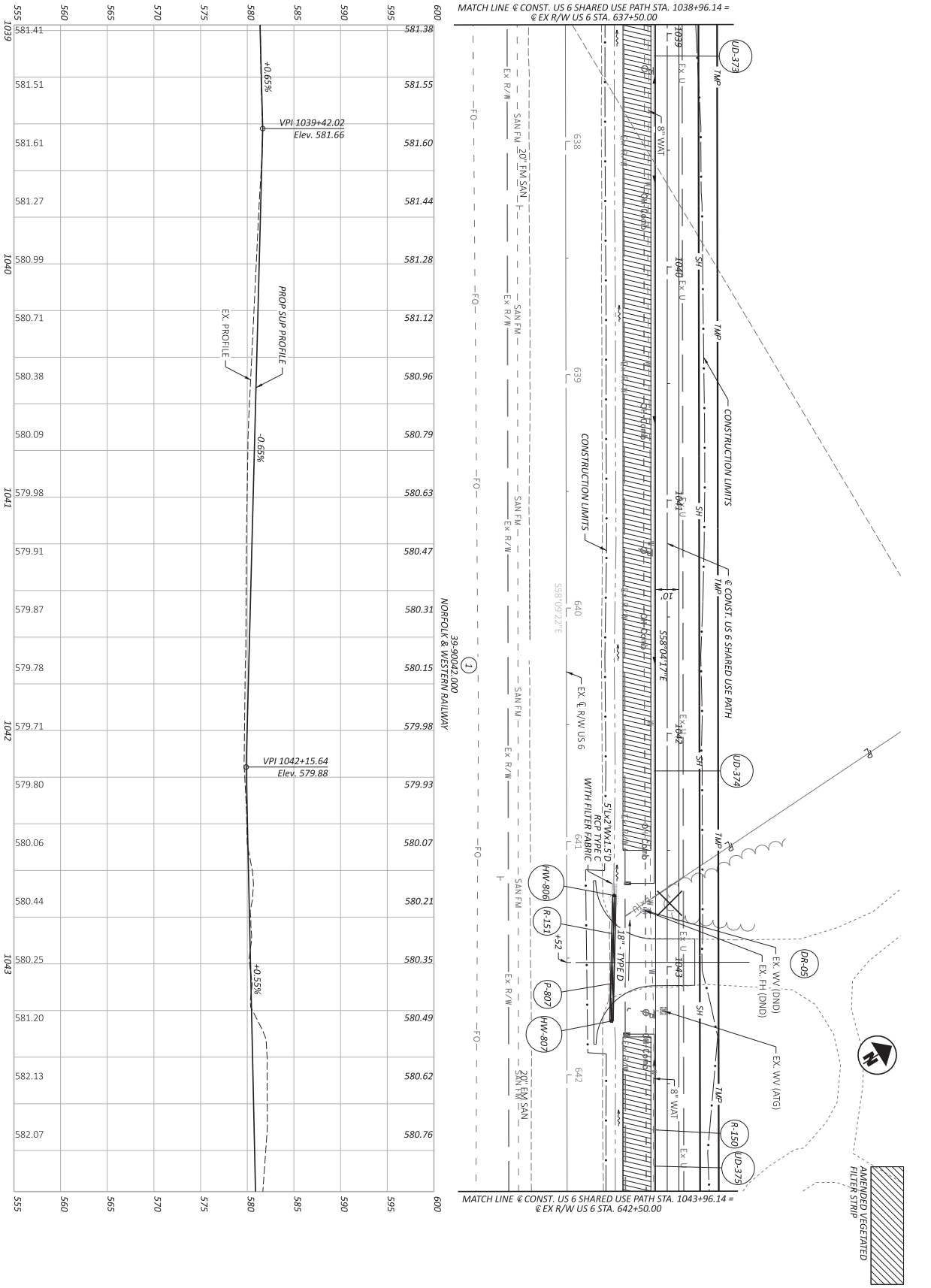


PLAN AND PROFILE - US 6 SUP

EX R/W STA. 637+50.00 TO STA. 642+50.00/US 6 SUP STA.1038+96.14 TO STA. 1043+96.14

HORIZONTAL SCALE IN FEET

0 20 10 40

DESIGN AGENCY: OHM

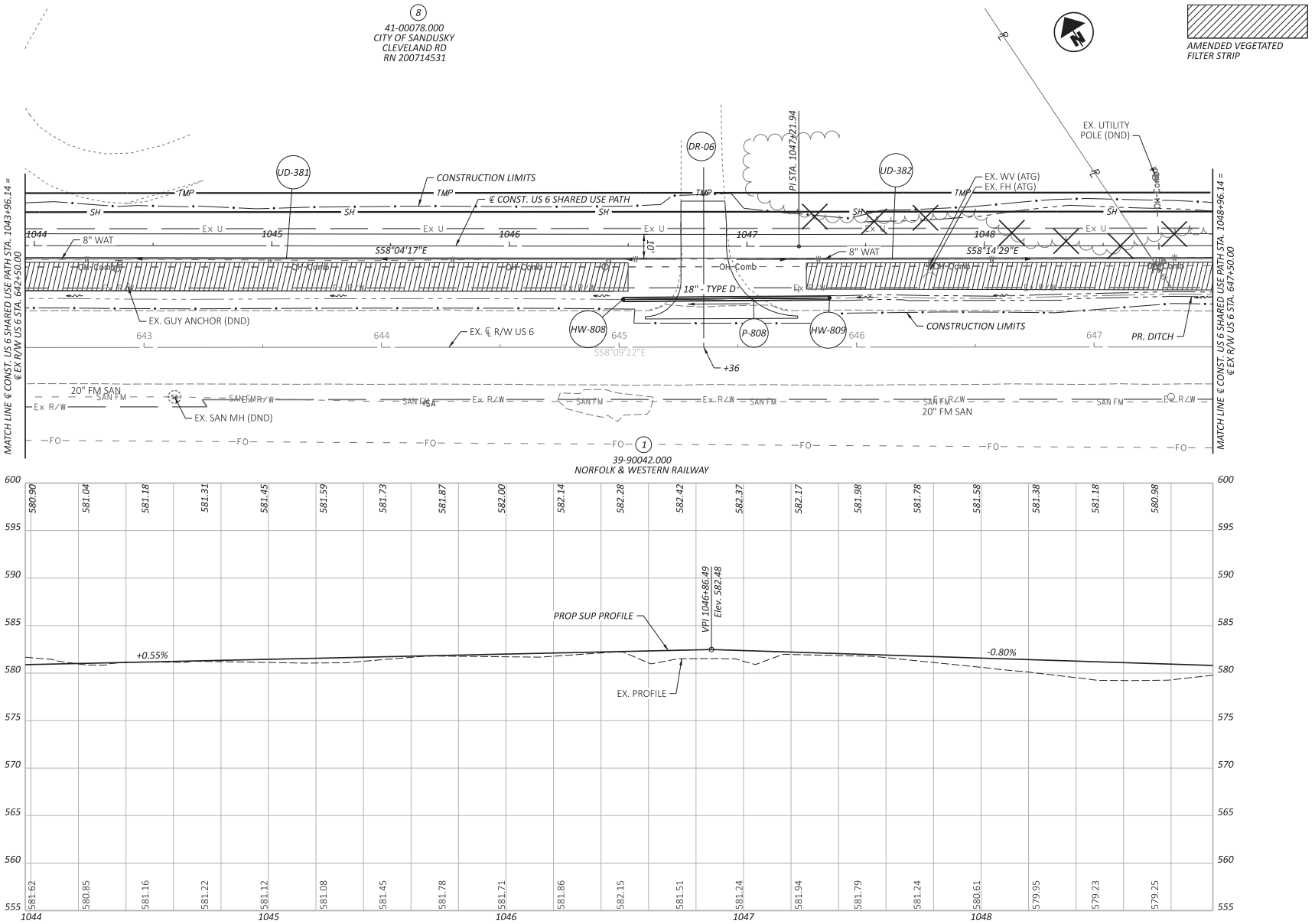
DESIGNER: SDH

REVIEWER: AHC 07/30/25

PROJECT ID: 116570

SHEET: P 0364 | TOTAL: 1088

ERI-US 0006-CONNECTIVITY CORRIDOR



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6 SUP

EX R/W STA. 642+50.00 TO STA. 647+50.00/US 6 SUP STA. 1043+96.14 TO STA. 1048+96.14

DESIGN AGENCY

OHM

DESIGNER	SDH
REVIEWER	AHC 07/30/25
PROJECT ID	116570
SHEET	P.0365
TOTAL	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_SUP_1 - Plan 011 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:59:48 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCExO2 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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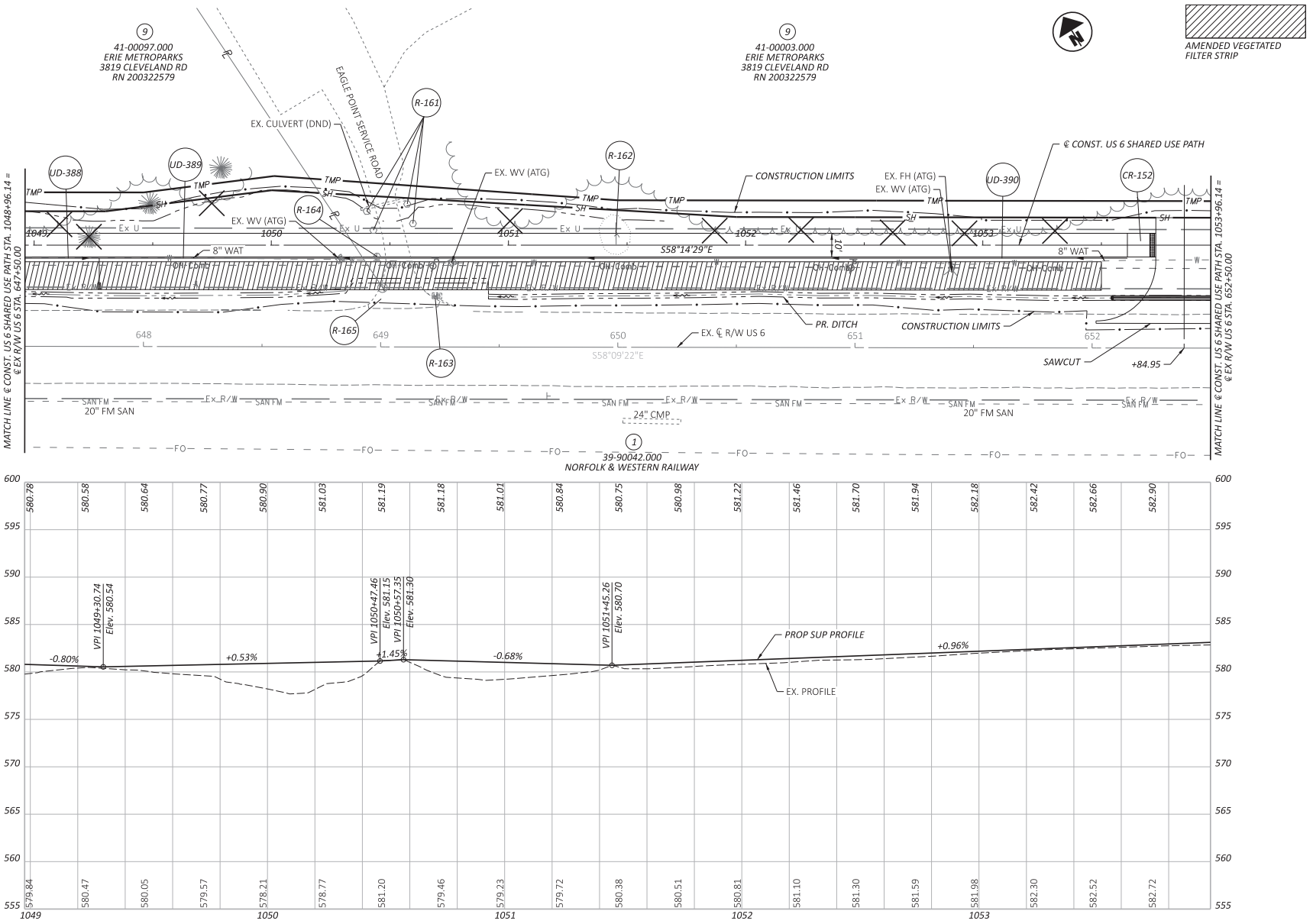

HORIZONTAL SCALE IN FEET 0 10 20 40

PLAN AND PROFILE - US 6 SUP
EX R/W STA. 647+50.00 TO STA. 652+50.00/US 6 SUP STA. 1048+96.14 TO STA. 1053+96.14

DESIGN AGENCY
OHM

DESIGNER	SDH
REVIEWER	AHC 07/30/25
PROJECT ID	116570
SHEET	P.0366
TOTAL	1088

MODEL: CLP_SUP_1 - Plan 012 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:59:51 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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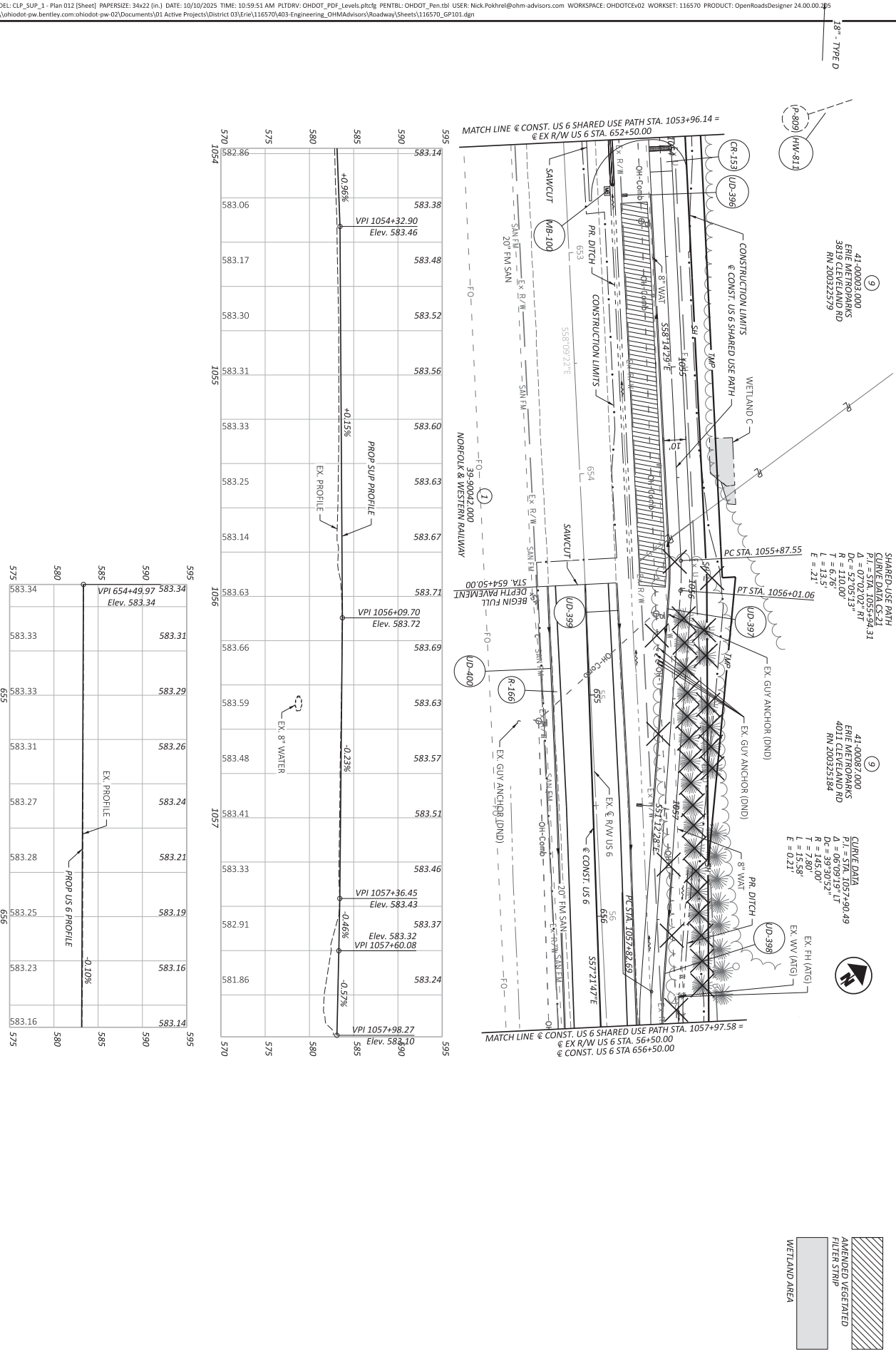

SHEET P 0367	TOTAL 1088	DESIGNER SDH	DESIGN AGENCY OHM	PLAN AND PROFILE - US 6 SUP EX R/W STA. 652+50.00 TO STA. 656+50.00/US 6 SUP STA. 1053+96.14 TO STA. 1057+97.50	HORIZONTAL SCALE IN FEET 0 20 10 40
PROJECT ID 116570	REVIEWER AHC 07/30/25				

MODEL: CLP_U006_PERKINS - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:00:37 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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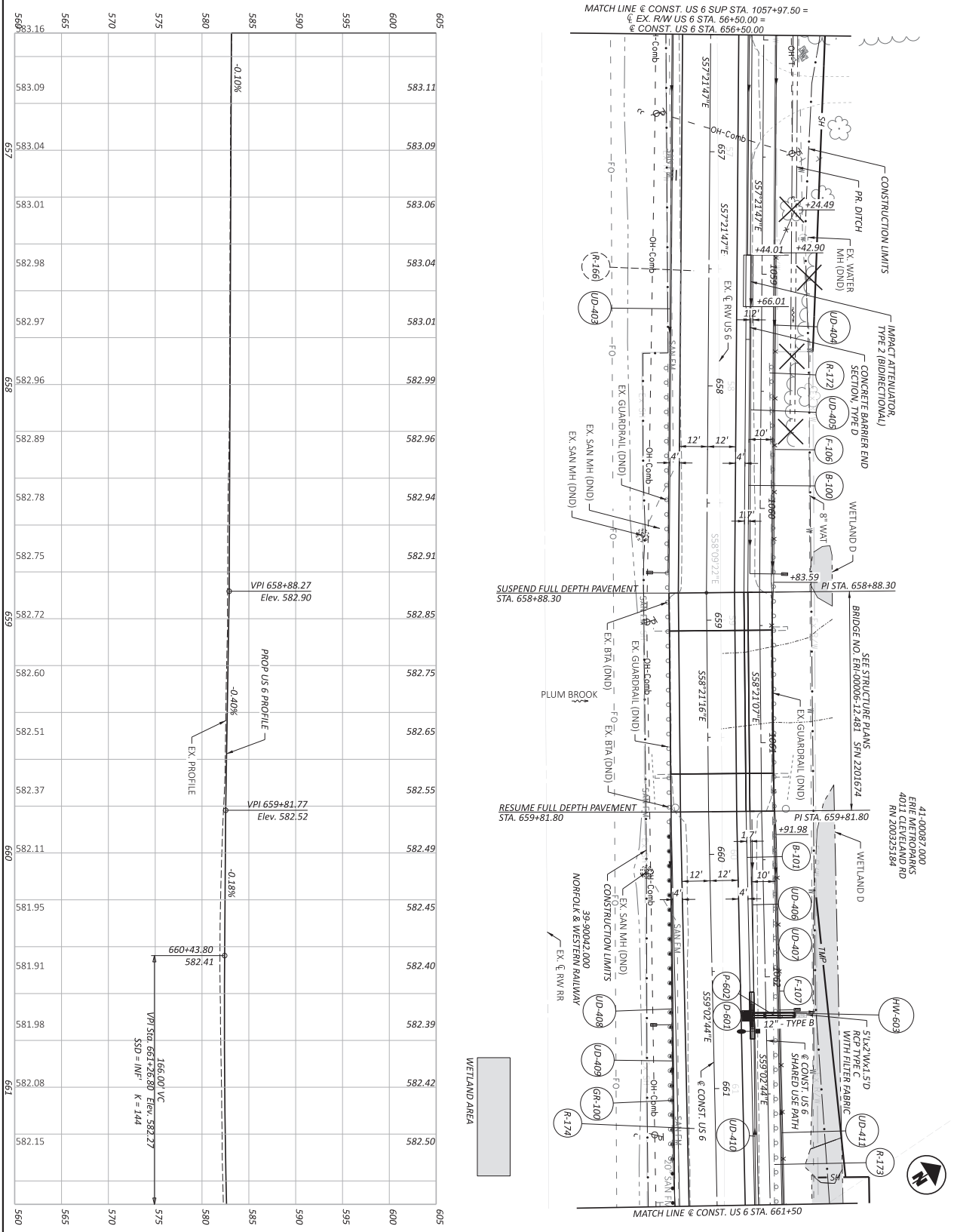

SHEET P 0368 | TOTAL 1088	PROJECT ID 116570	REVISED SEO 07/30/25	DESIGNED KAH	OHM DESIGN AGENCY	PLAN AND PLAN AND PROFILE - US 6 STA. 656+50.00 TO STA. 661+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_U006_PERKINS - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:00:42 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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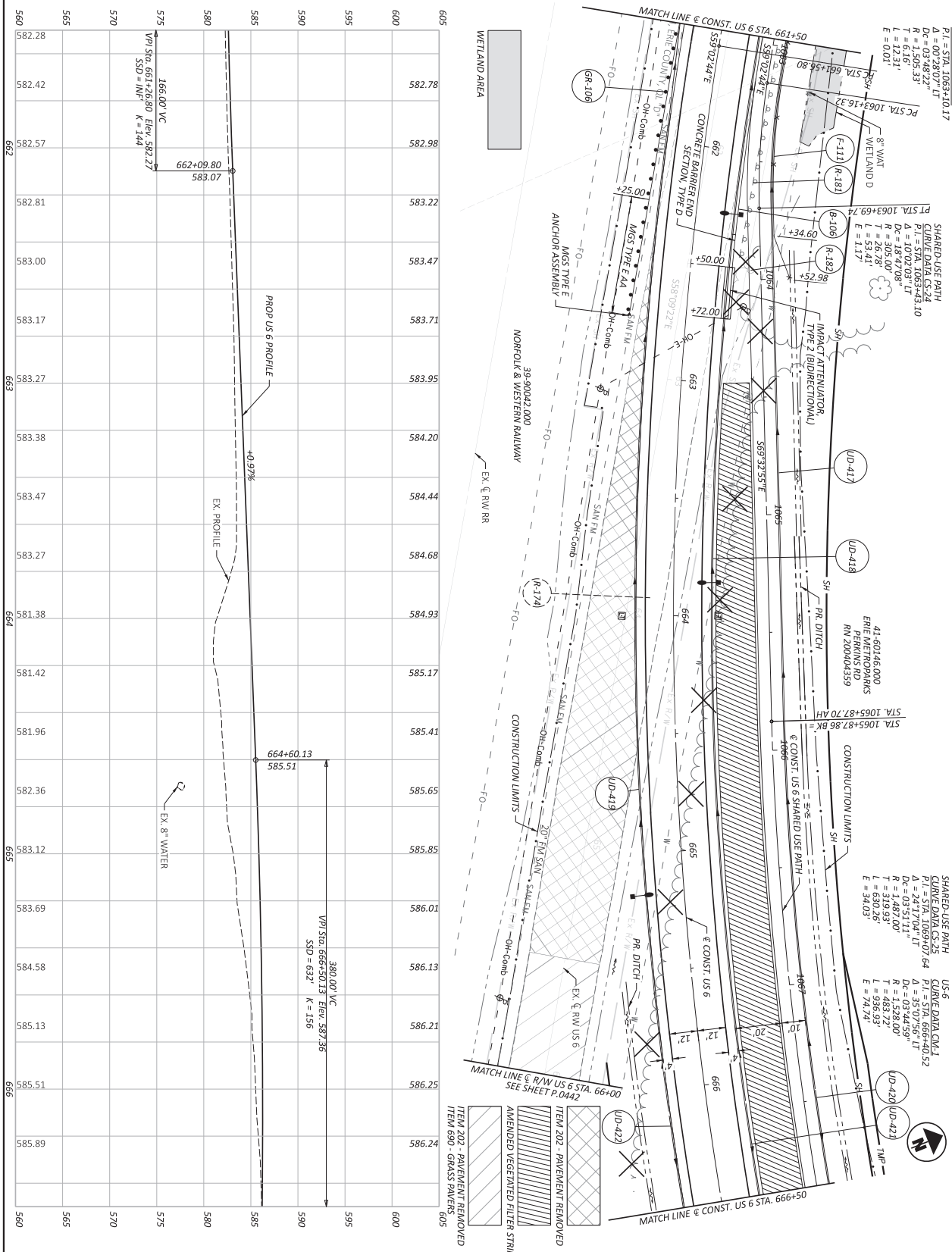


PLAN AND PROFILE - US 6
STA. 661+50.00 TO STA. 666+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40

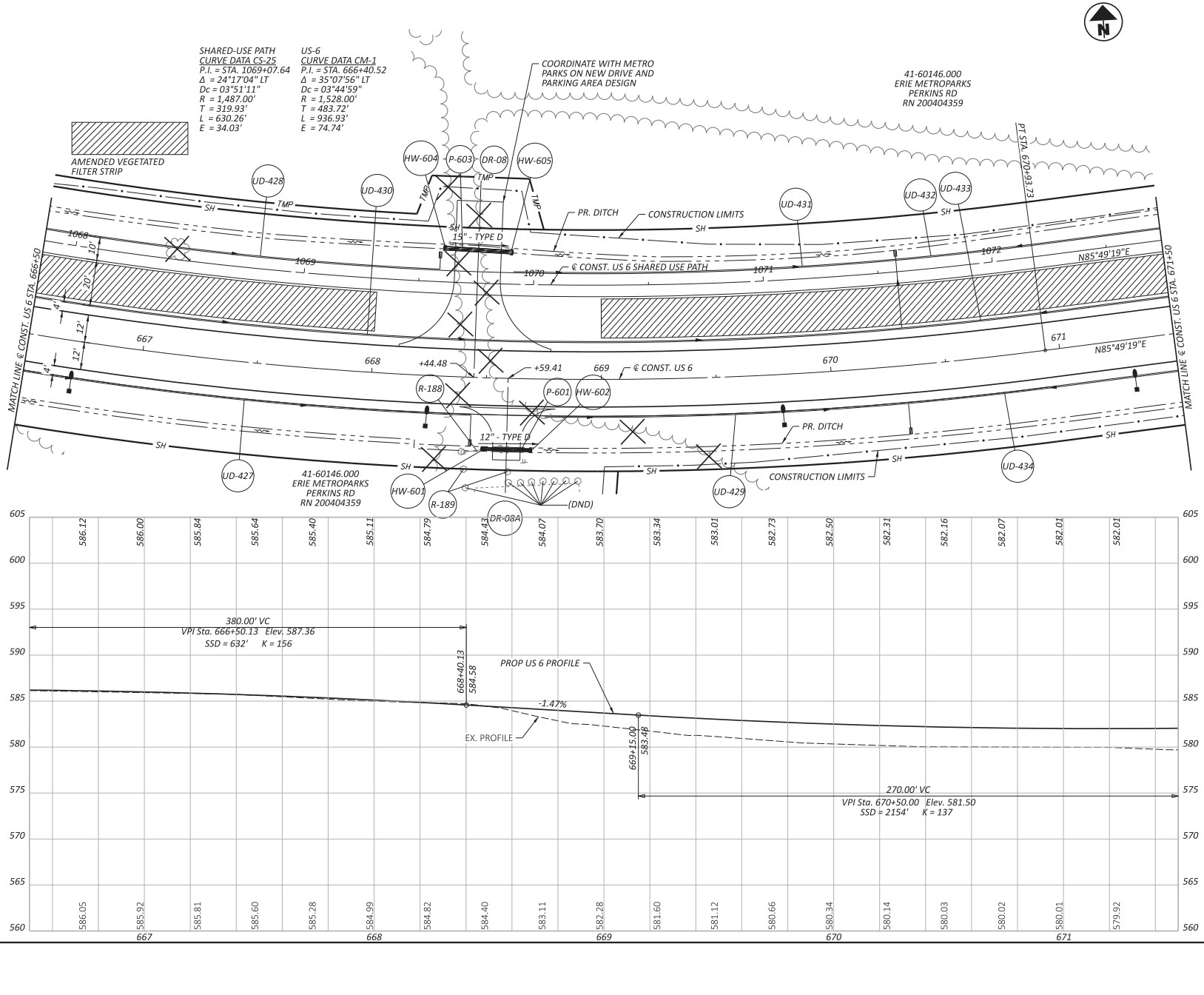
SHEET	TOTAL
P 0369	1088

PROJECT ID 116570

REVIEWER SEO 07/30/25

DESIGNER KAH

DESIGN AGENCY OHM



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6
STA. 666+50.00 TO STA. 671+50.00

DESIGN AGENCY
OHM

DESIGNER	KAH
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0370
TOTAL	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_U06_PERKINS - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:00:44 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCE4v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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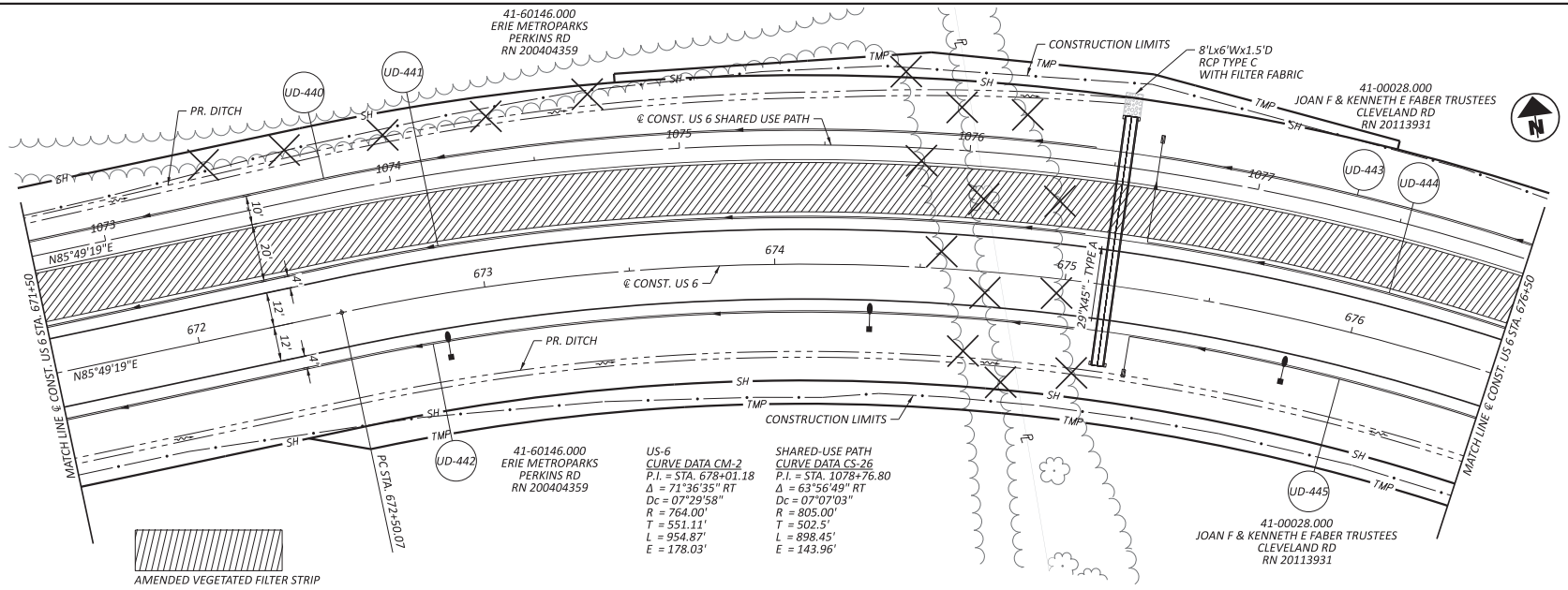

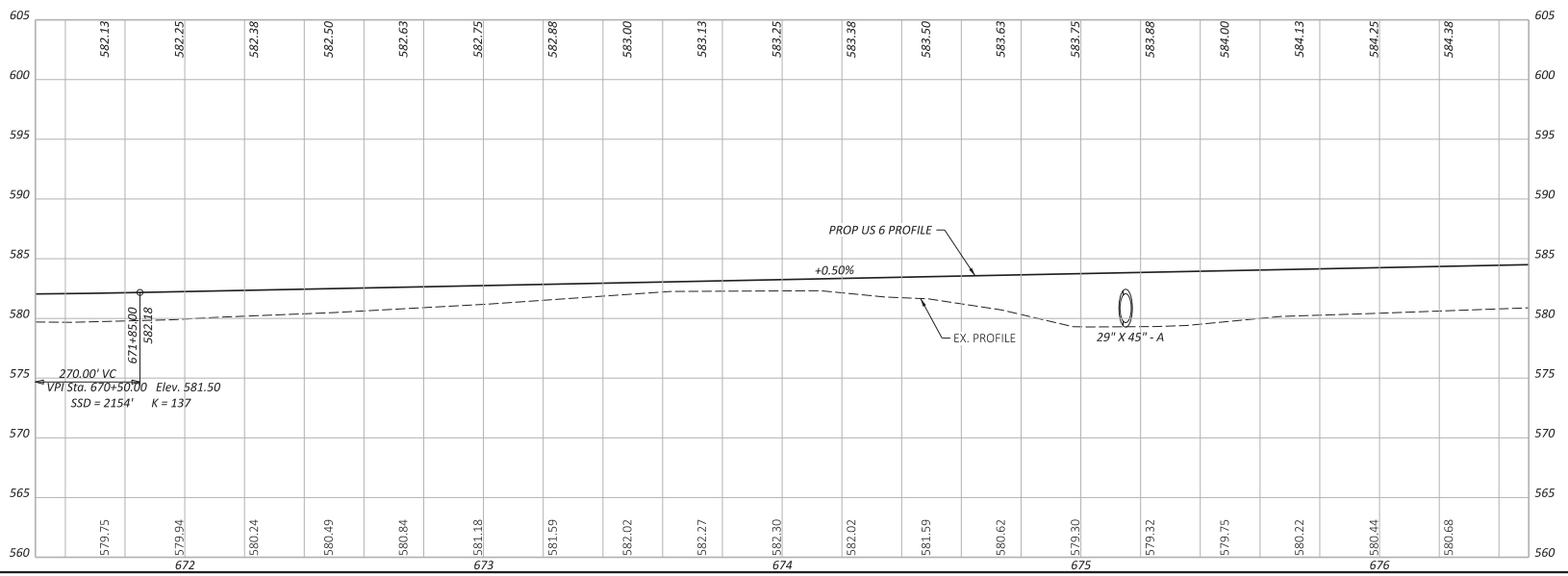

ERI-US 0006-CONNECTIVITY CORRIDOR

PLAN AND PROFILE - US 6
STA. 671+50.00 TO STA. 676+50.00

HORIZONTAL SCALE IN FEET
0 10 20 40

DESIGN AGENCY
OHM

DESIGNER KAH
REVIEWER SEO 07/30/25
PROJECT ID 116570
SHEET P.0371 TOTAL 1088

MODEL: CLP_U06_PERKINS - Plan 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:00:47 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEx02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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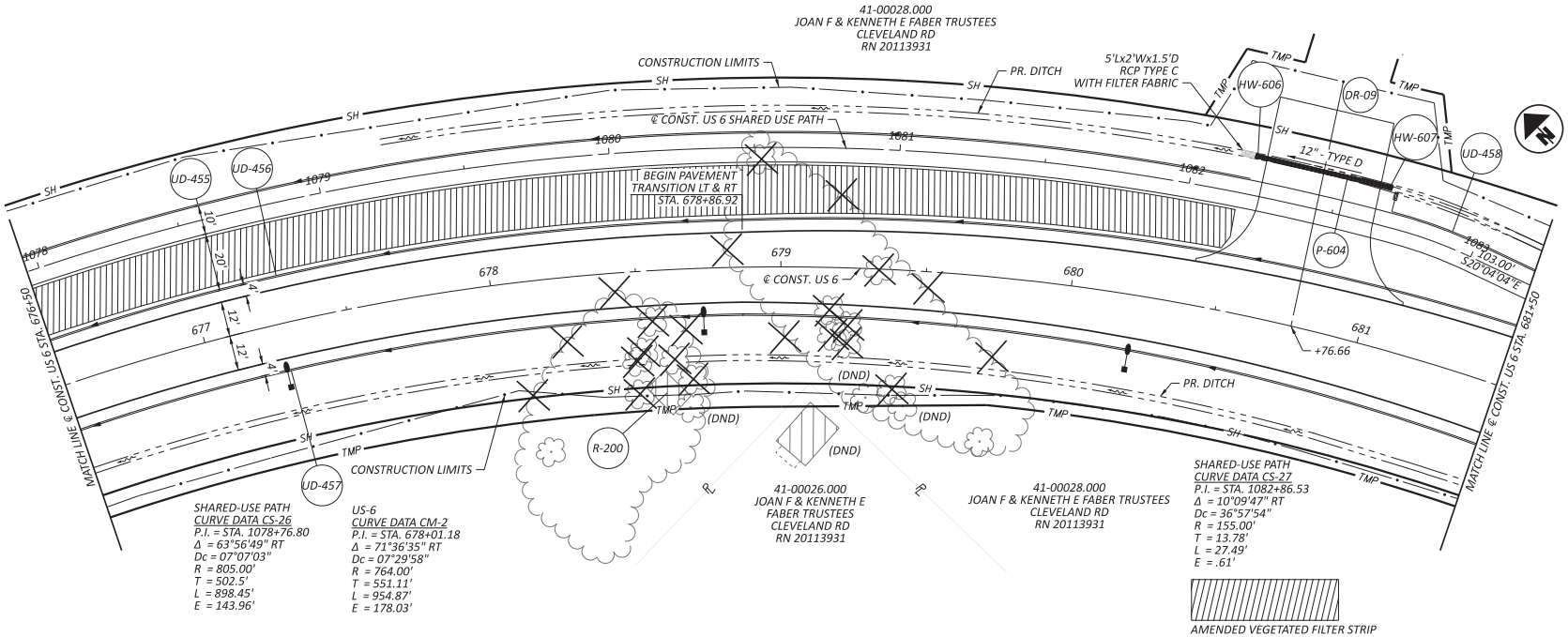

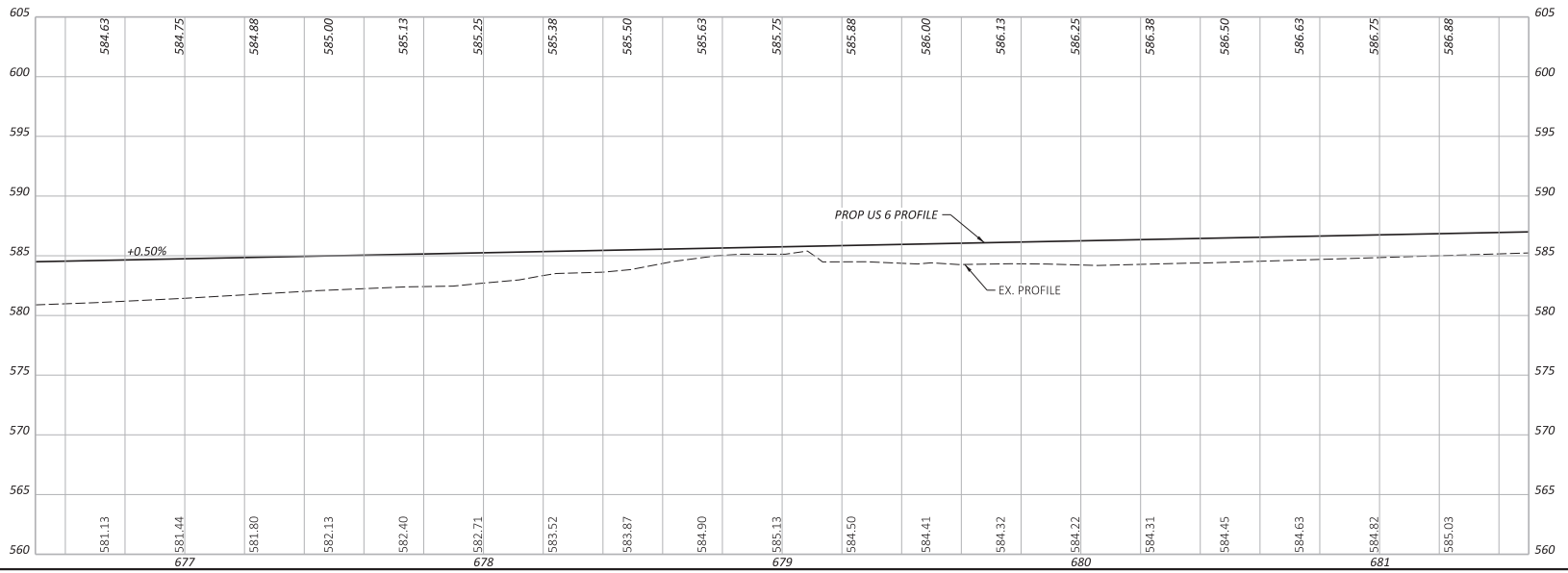

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6
STA. 676+50.00 TO STA. 681+50.00

DESIGN AGENCY
OHM

DESIGNER	KAH
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0372
TOTAL	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_U06_PERKINS - Plan 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:00:48 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCE4v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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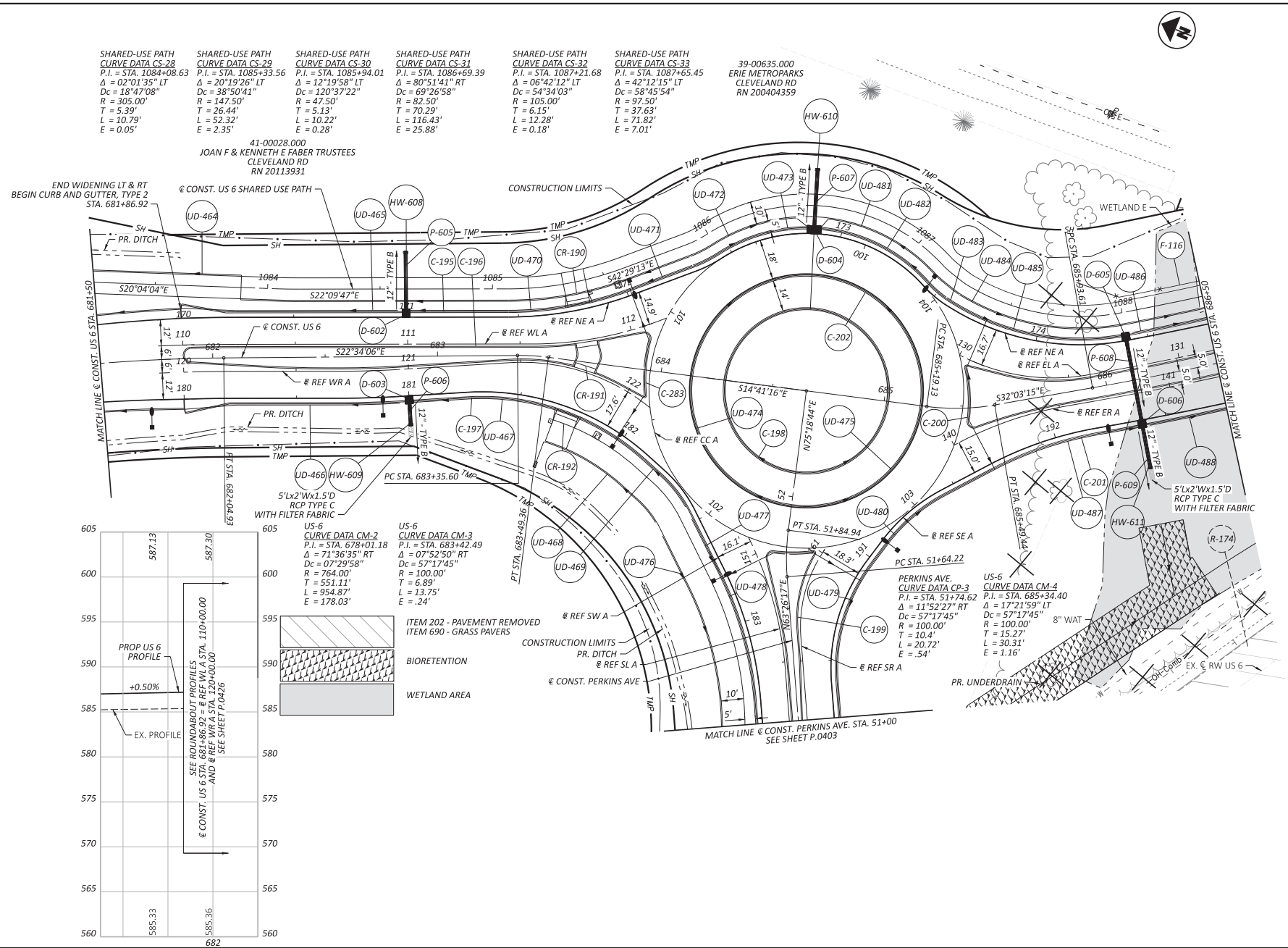

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_U06_PERKINS - Plan 6 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:00:51 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCE.v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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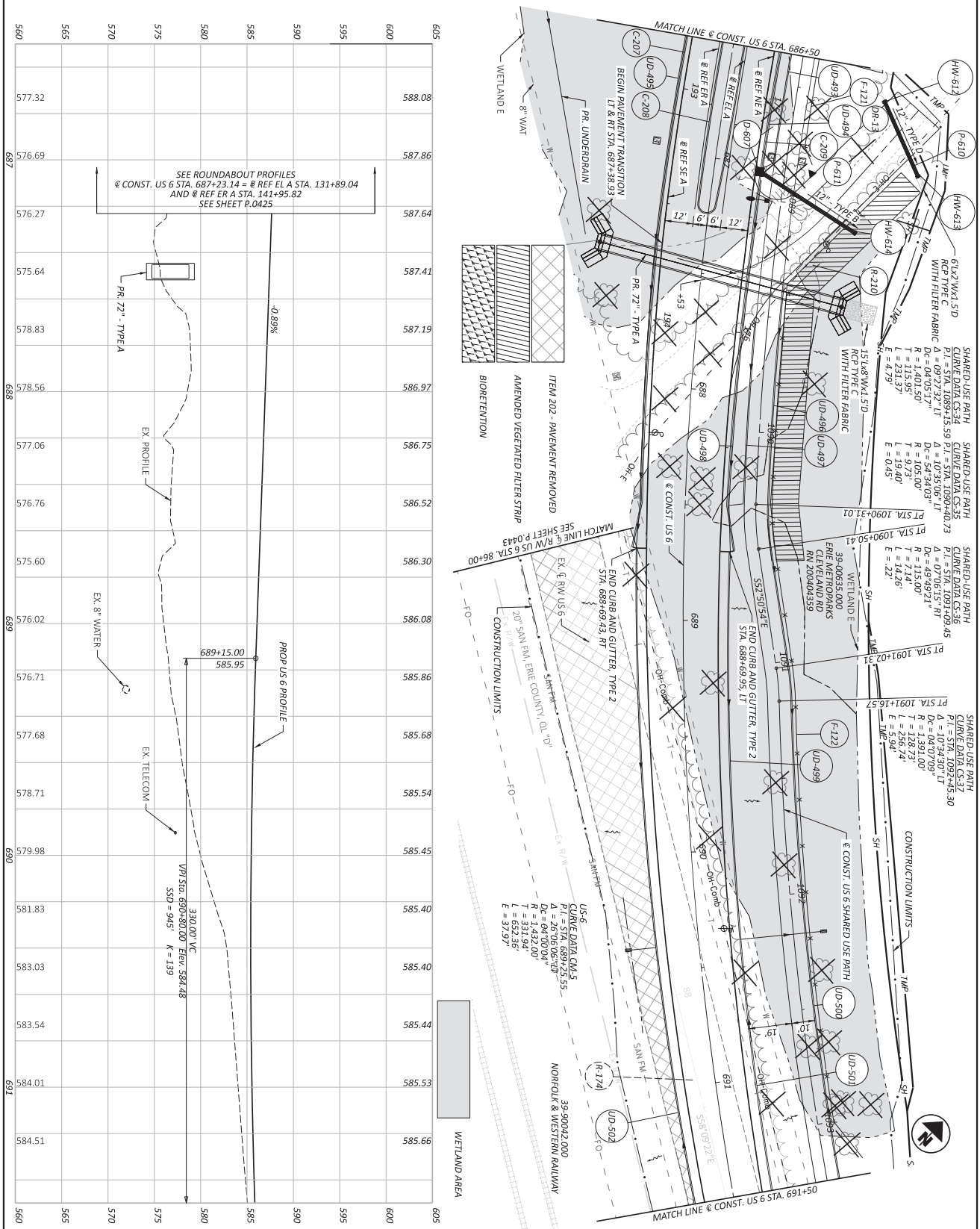
ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_U006_PERKINS - Plan 7 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:00:54 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\403-Engineering_OHMAdvisors\Roadway\Sheets\116570_GP201.dgn



PLAN AND PROFILE - US 6
STA. 686+50.00 TO STA. 691+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P 0374	1088

PROJECT ID 116570

REVIEWED SFO 07/30/25

DESIGNED KAH

DESIGN AGENCY OHM

MODEL: CLP_U006_PERKINS - Plan 8 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:00:56 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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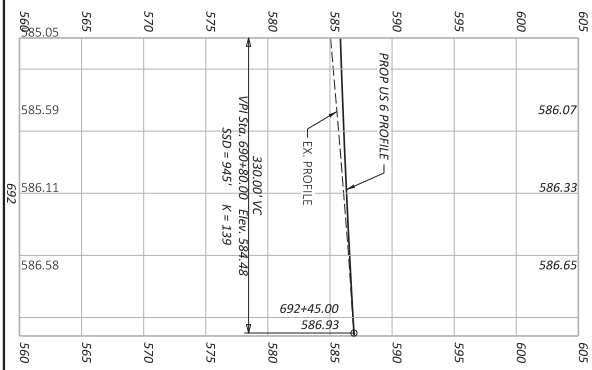
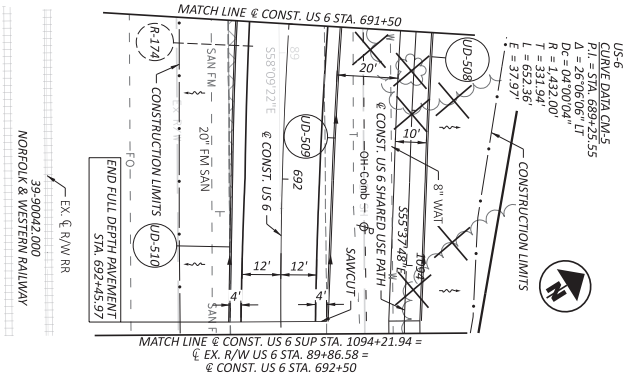




PLAN AND PROFILE - US 6
STA. 691+50.00 TO STA. 692+50.00

SHEET	TOTAL
P 0375	1088

PROJECT ID 116570

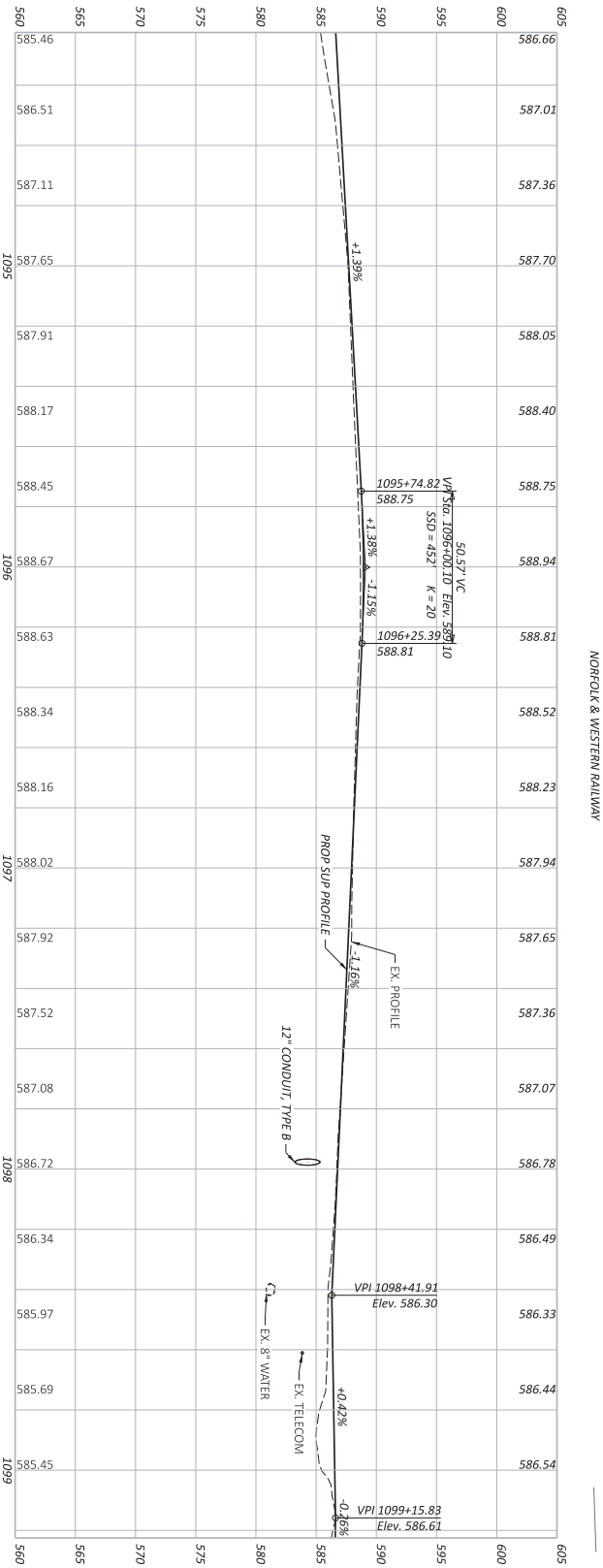
REVIEWER SEO 07/30/25

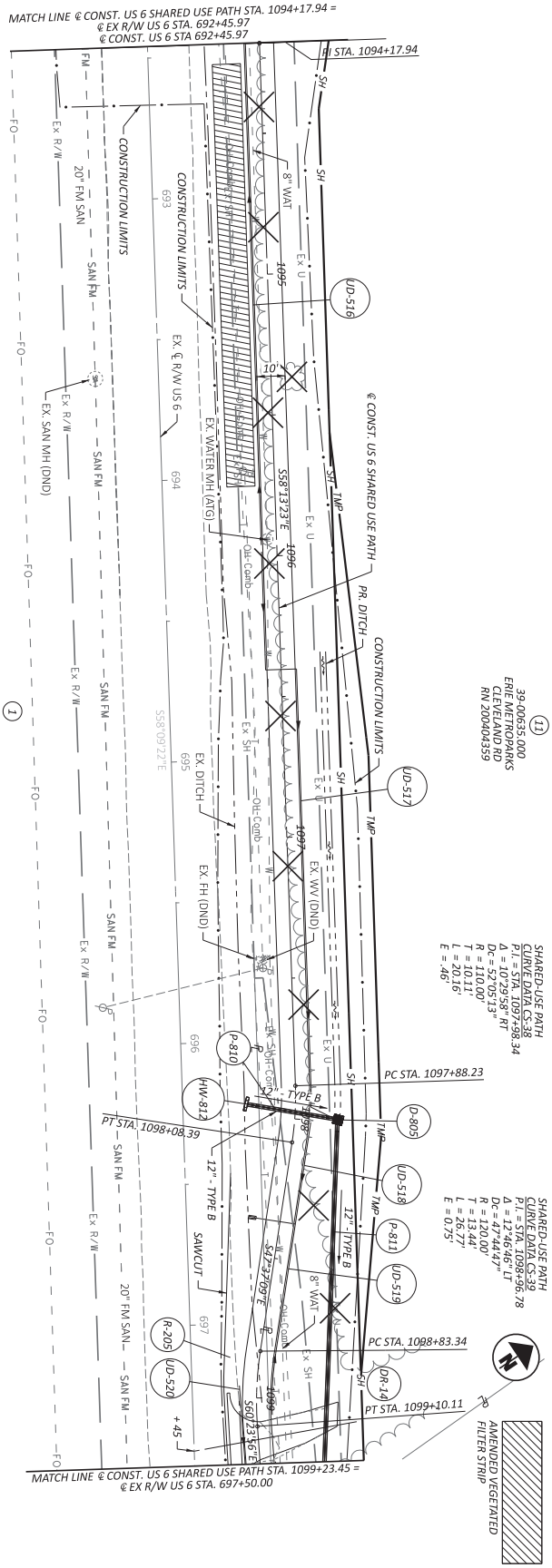
DESIGNER KAH

DESIGN AGENCY OHM

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_SUP 2 - Plan 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:02:47 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\403-Engineering_OHMAdvisors\Roadway\Sheets\116570_GP102.dgn



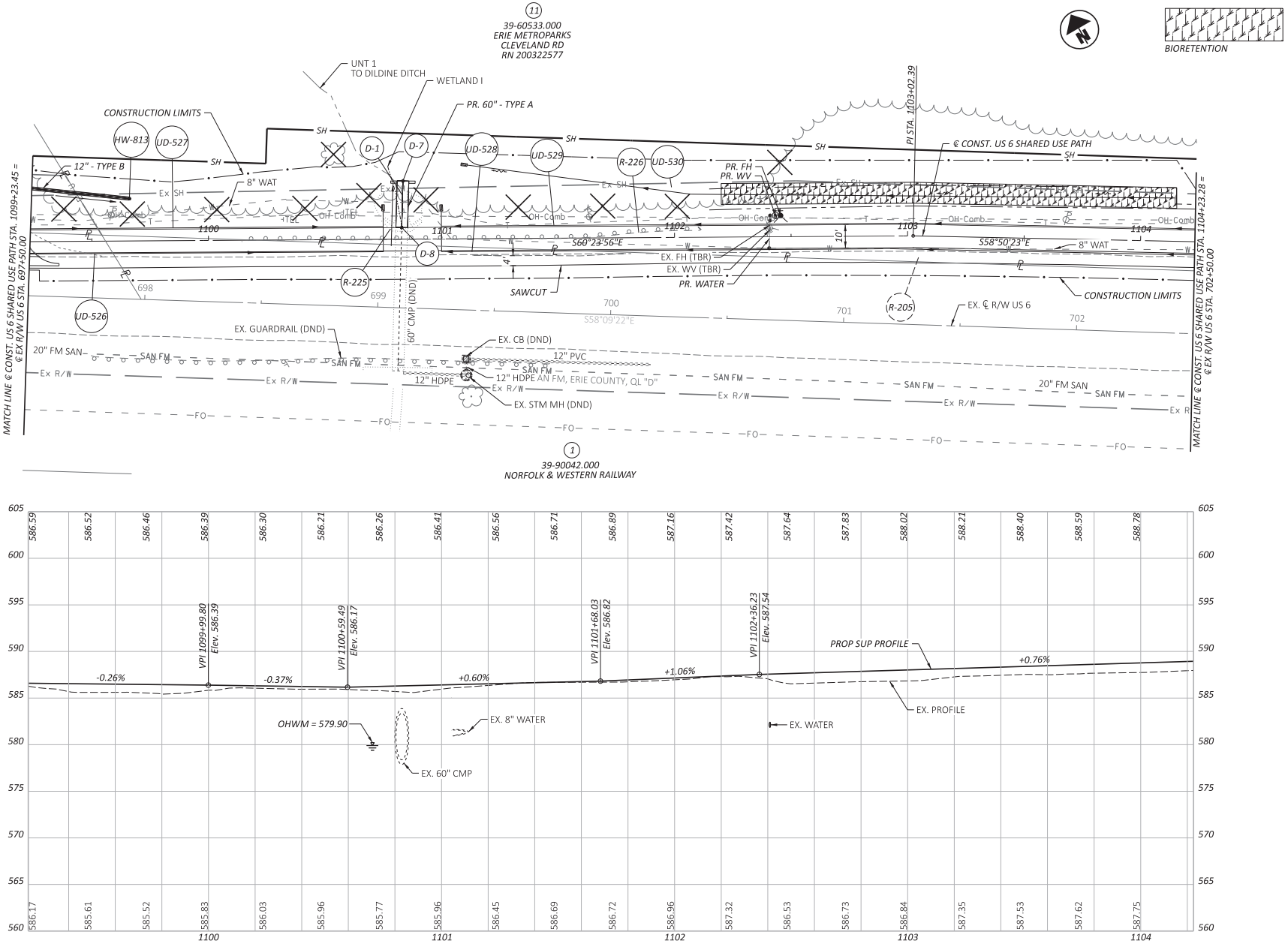


SHEET P 0376 | TOTAL 1088	PROJECT ID 116570	REVIEWER SEO 07/30/25	DESIGNER BLC	DESIGN AGENCY OHM

PLAN AND PROFILE - US 6 SUP
EX R/W STA. 692+45.97 TO STA. 697+50.00/US 6 SUP STA. 1094+17.97 TO STA. 1099+23.45

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_SUP 2 - Plan 14 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:02:51 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.PoMinel@ohm-advisors.com WORKSPACE: OHDOTCEx02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\03 Active Projects\District 03\Erie\116570\403 Engineering_OHMAdvisors\Roadway\Sheets\116570_GP102.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6 SUP

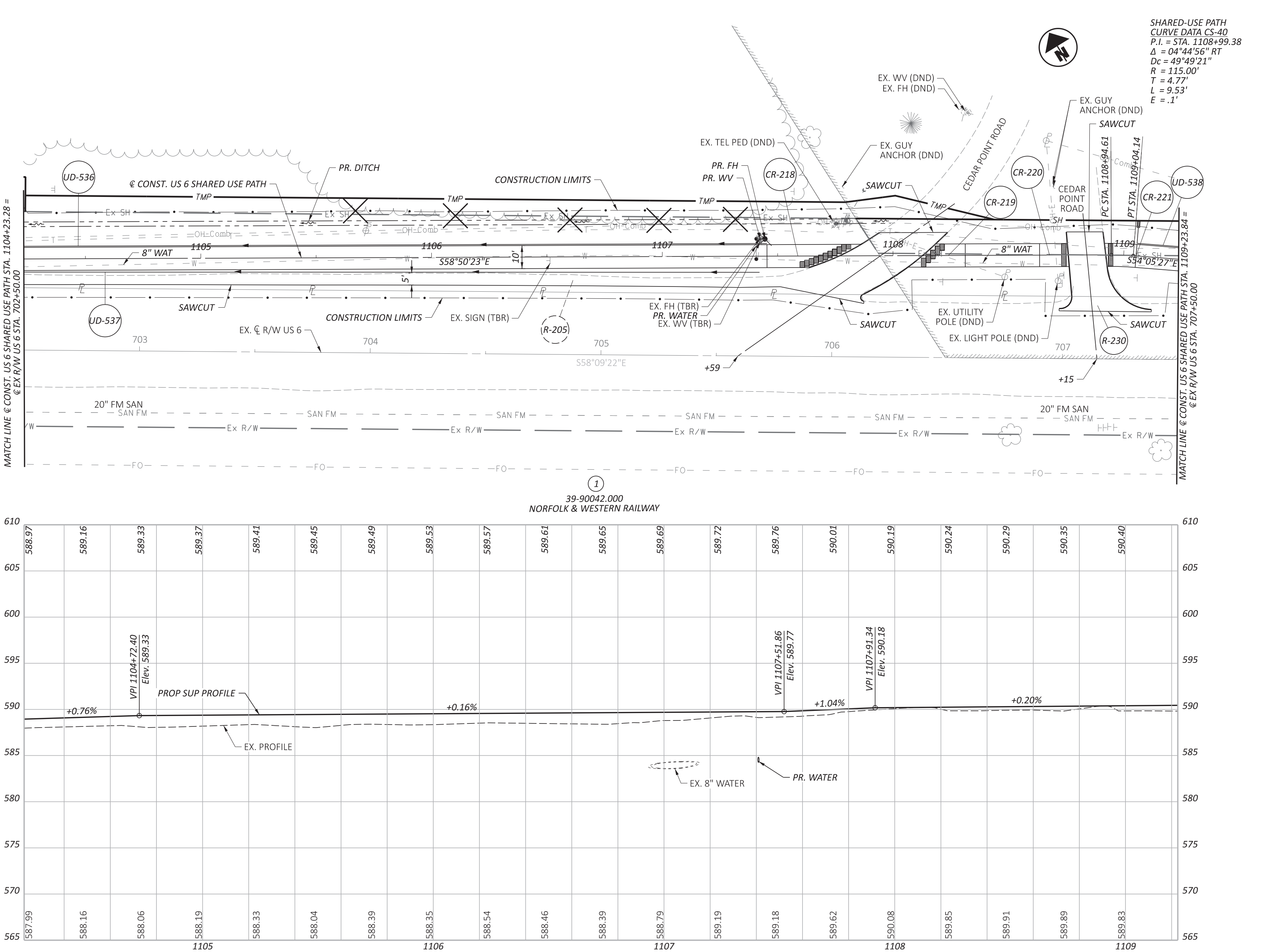
EX R/W STA. 697+50.00 TO STA. 702+50.00/US 6 SUP STA. 1099+23.45 TO STA. 1104+23.28

DESIGN AGENCY
OHM

DESIGNER	BLC
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0377
TOTAL	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_SUP 2 - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:02:54 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\403-Engineering_OHMAdvisors\Roadway\Sheets\116570_GP102.dgn



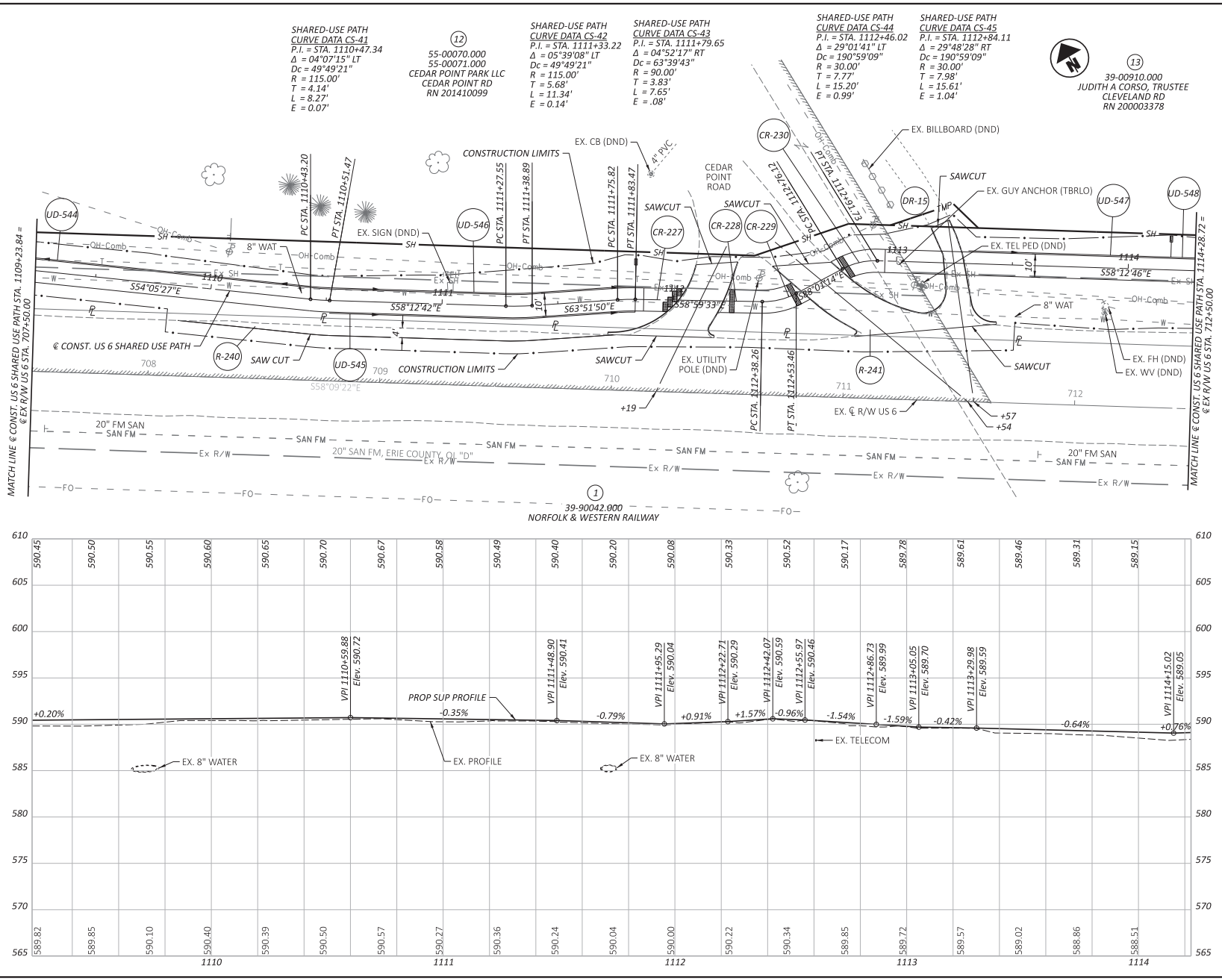
PLAN AND PROFILE - US 6 SUP

EX R/W STA. 702+50.00 TO STA. 707+50.00/US 6 SUP STA. 1104+23.28 TO STA. 1109+23.84

DESIGN AGENCY

OHM

DESIGNER	BLC
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0378
TOTAL	1088



ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_SUP 2 - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:02:56 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.PoMinel@ohm-advisors.com WORKSPACE: OHDOTCEx02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\03 Active Projects\District 03\Erie\116570\403 Engineering_OHMAdvisors\Roadway\Sheets\116570_GP102.dgn

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6 SUP

EX R/W STA. 707+50.00 TO STA. 712+50.00/US 6 SUP STA. 1109+23.84 TO STA. 1114+28.72

DESIGN AGENCY
OHM

DESIGNER BLC
REVIEWER SEO 07/30/25
PROJECT ID 116570
SHEET P.0379 TOTAL 1088

MODEL: CLP_SUP 2 - Plan 17 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:02:59 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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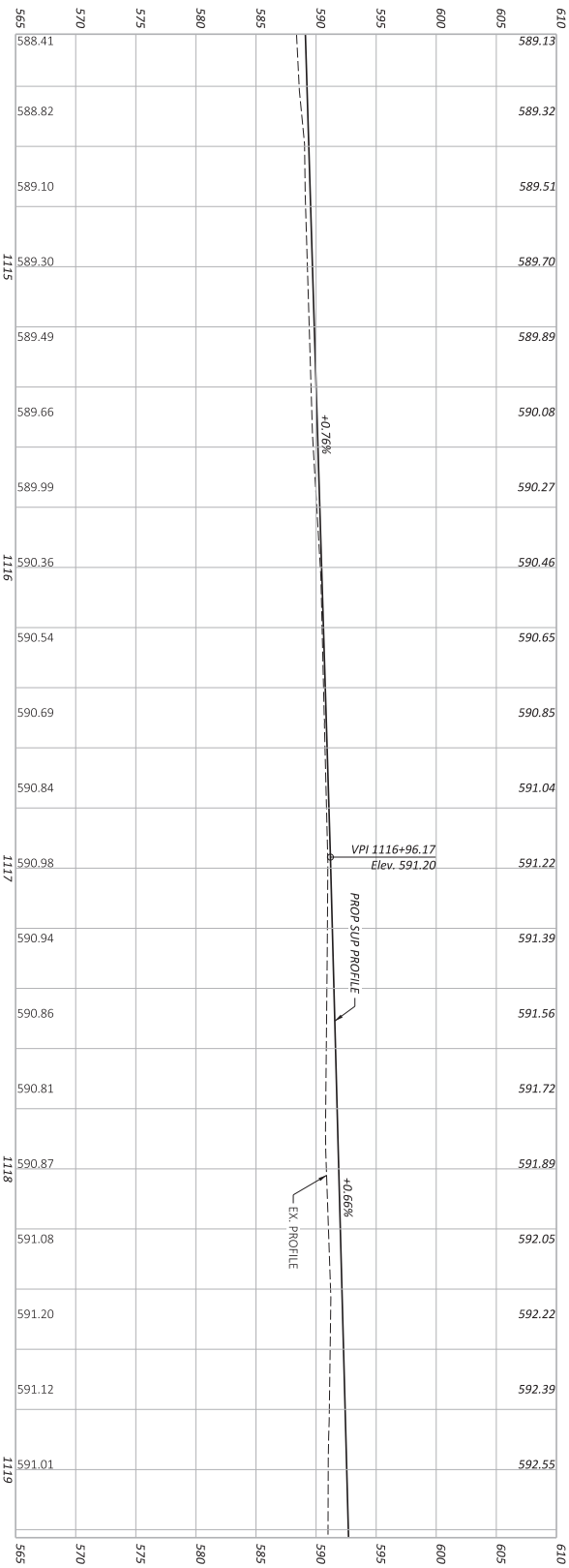
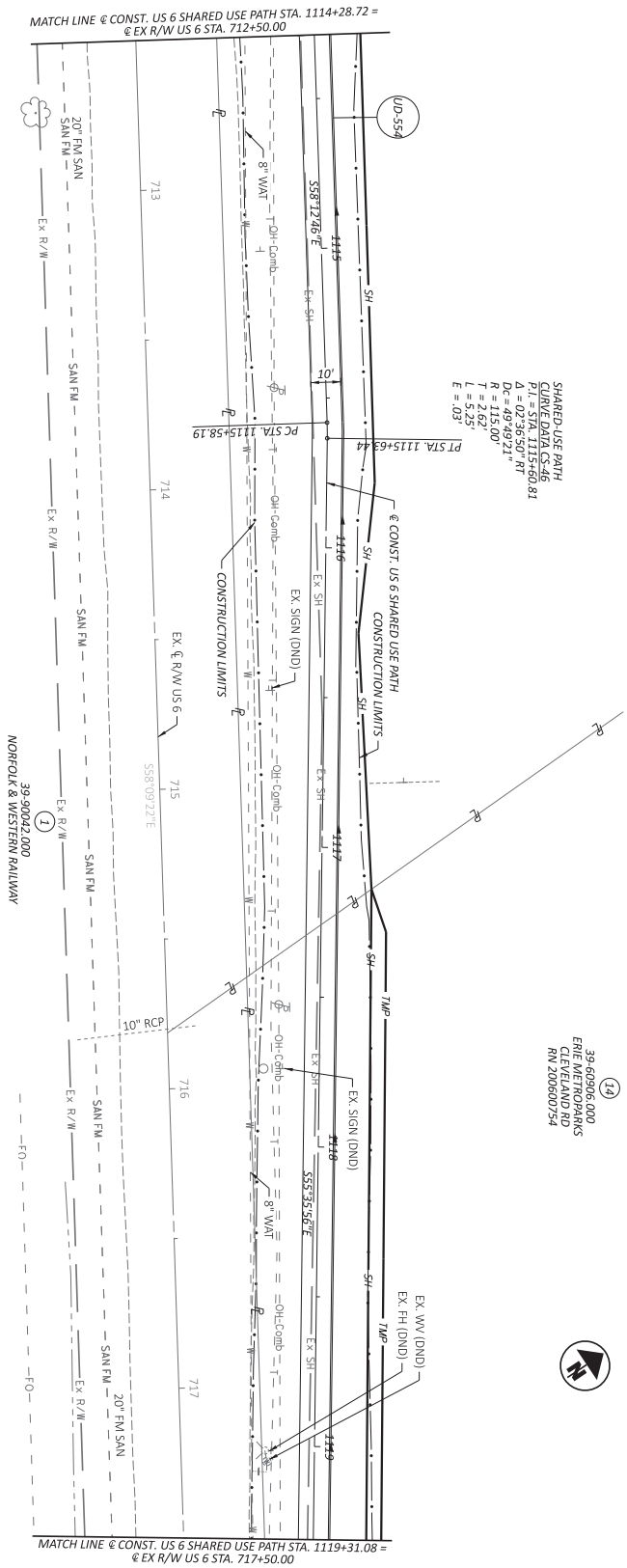




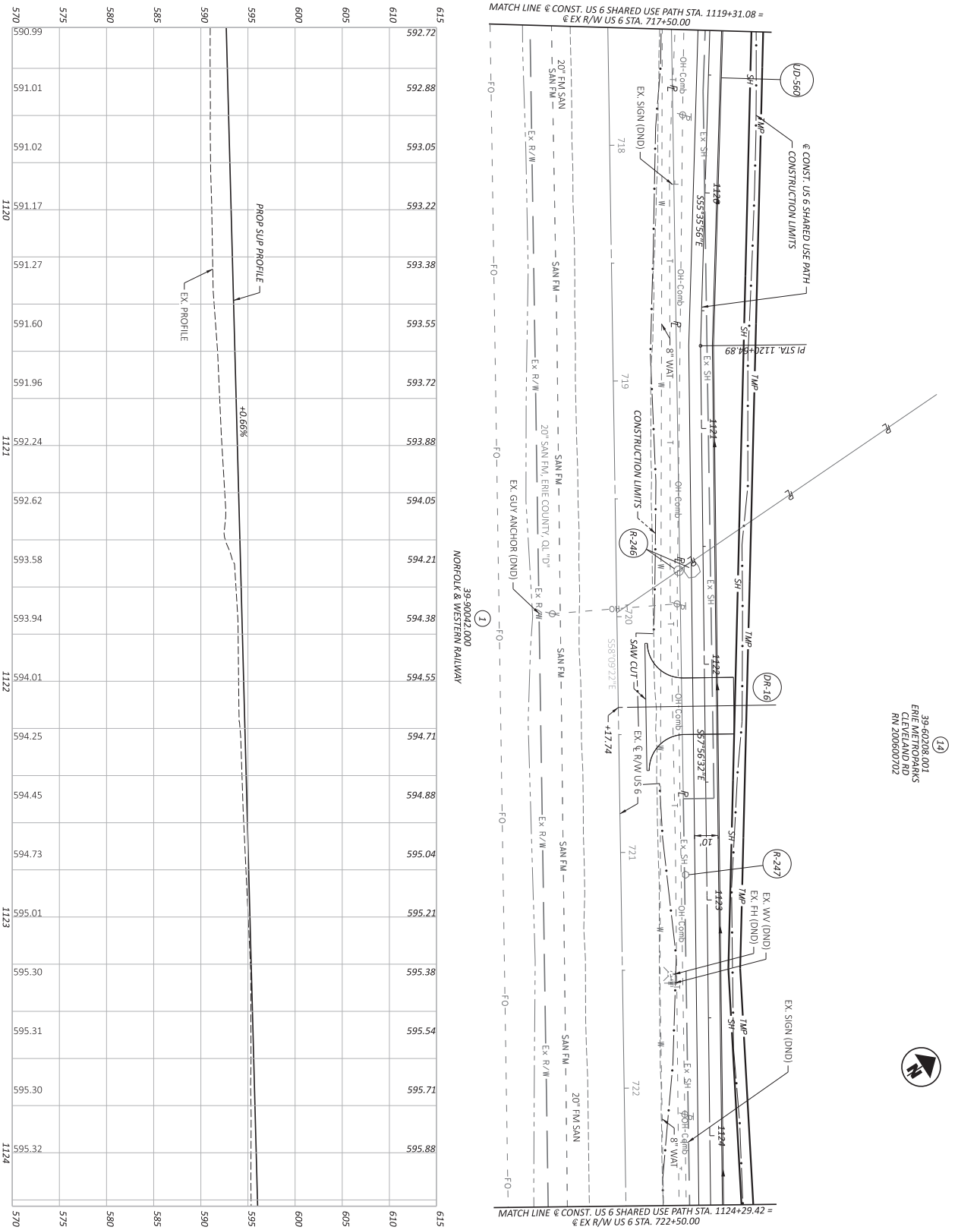
PLAN AND PROFILE - US 6 SUP
EX R/W STA. 712+50.00 TO STA. 717+50.00/US 6 SUP STA. 1114+28.72 TO STA. 1119+31.08

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P 0380	1088

PROJECT ID 116570
REVIEWED SEO 07/30/25
DESIGNER BLC
DESIGN AGENCY OHM

MODEL: CLP_SUP 2 - Plan 18 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:03:01 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\403-Engineering_OHMAdvisors\Roadway\Sheets\116570_GP102.dgn



SHEET P 0381 | TOTAL 1088	PROJECT ID 116570	REVIEWER SEO 07/30/25	DESIGNER BLC	DESIGN AGENCY OHM	PLAN AND PROFILE - US 6 SUP EX R/W STA. 717+50.00 TO STA. 722+50.00/US 6 SUP STA. 1119+31.08 TO STA. 1124+29.42

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_SUP 2 - Plan 19 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:03:03 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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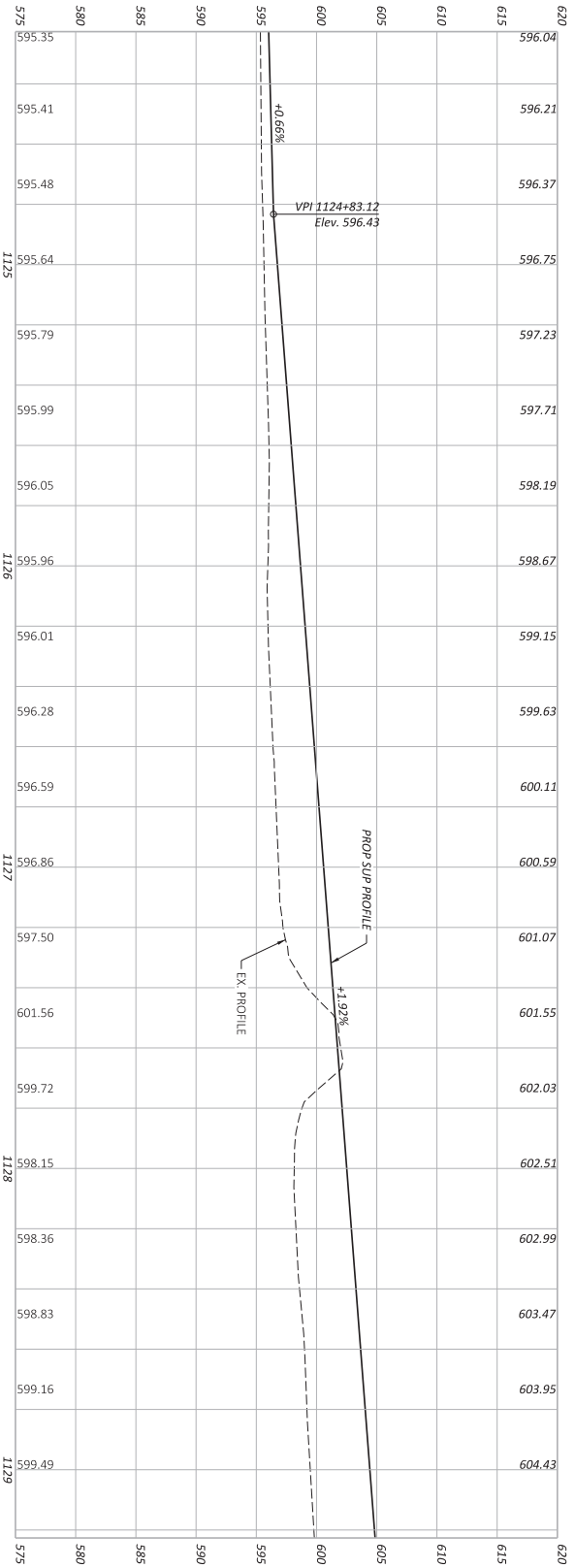

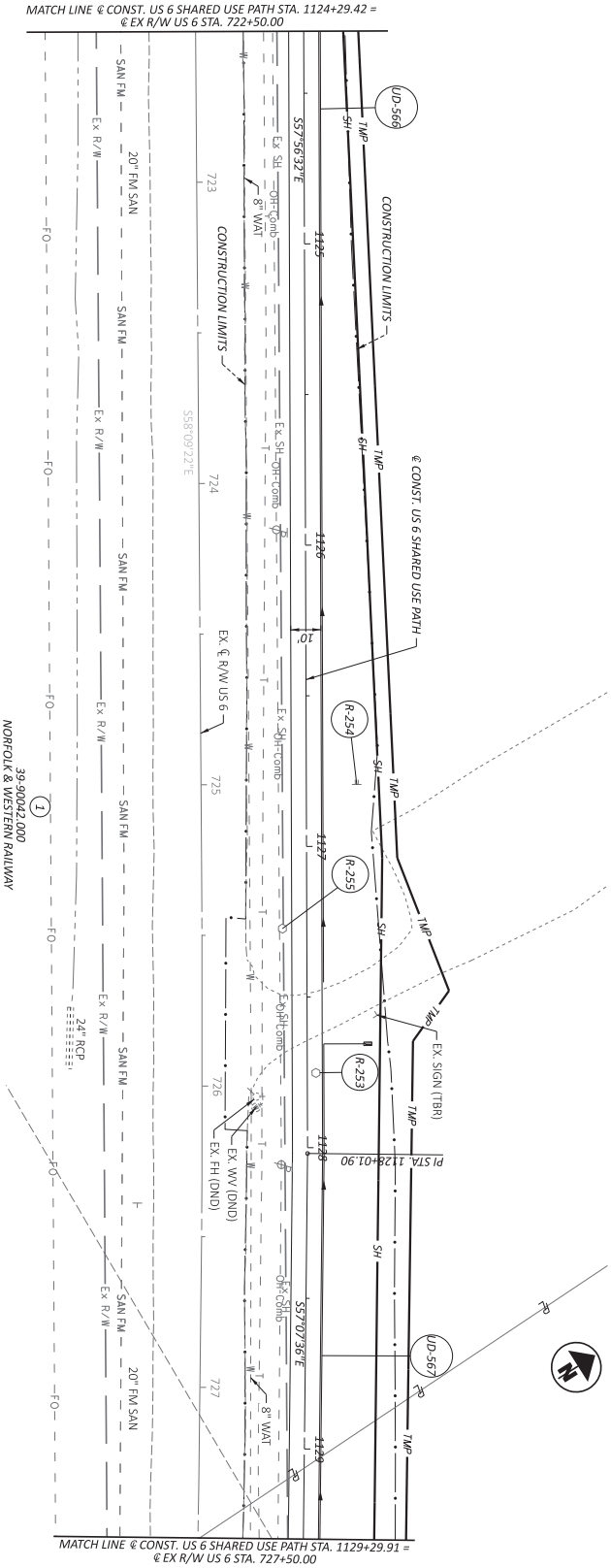

SHEET	TOTAL
P 0382	1088

PROJECT ID 116570

REVIEWER SEO 07/30/25

DESIGNER BLC

DESIGN AGENCY

PLAN AND PROFILE - US 6 SUP

EX R/W STA. 722+50.00 TO STA. 727+50.00/US 6 SUP STA. 1124+29.42 TO STA. 1129+29.91

HORIZONTAL SCALE IN FEET

0 20 10 40

MODEL: CLP_SUP 2 - Plan 20 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:03:04 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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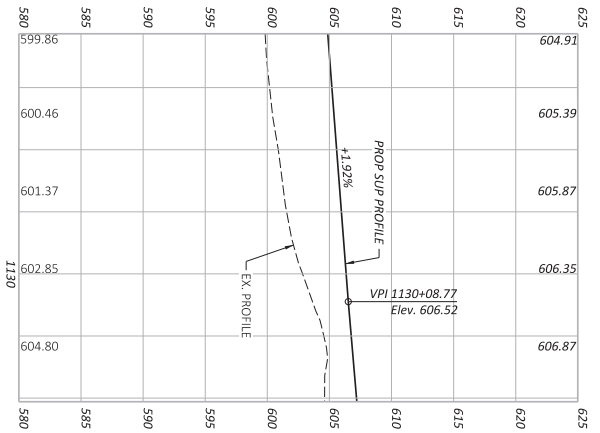
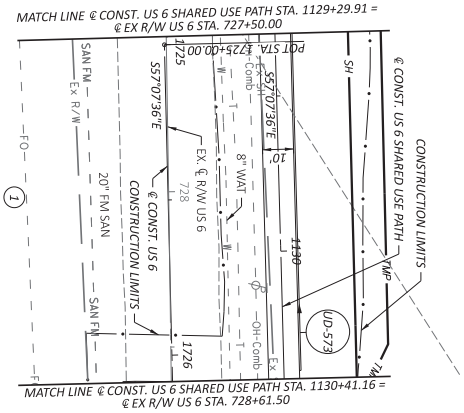
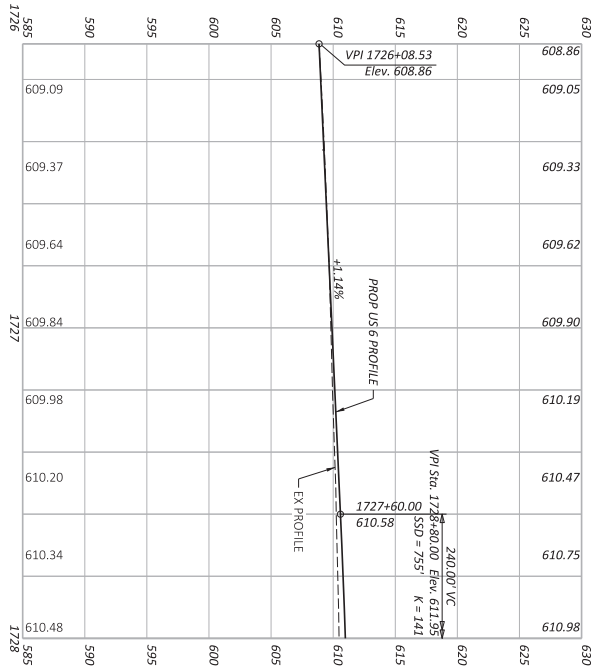


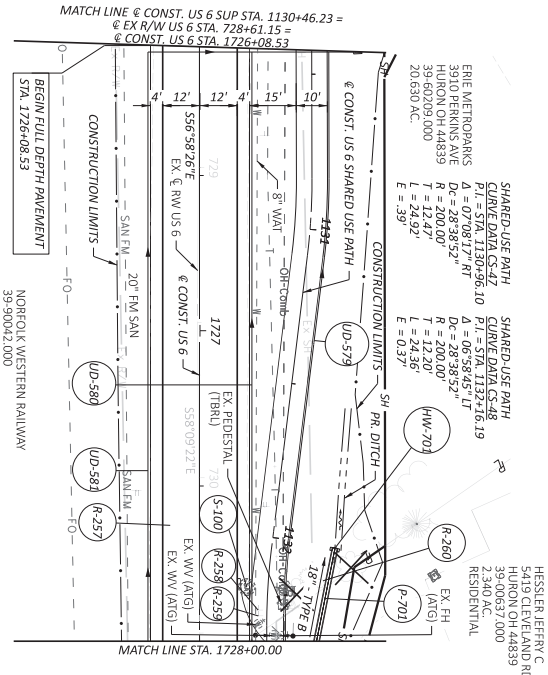


SHEET P 0383 | TOTAL 1088	PROJECT ID 116570	REVIEWED SEO 07/30/25	DESIGNER BLC	OHM DESIGN AGENCY	PLAN AND PROFILE - US 6 SUP EX R/W STA. 727+50.00 TO STA. 728+61.15/US 6 SUP STA. 1129+29.91 TO STA. 1130+41.16

HORIZONTAL SCALE IN FEET
0 20
10 40

MODEL: CLP_U006_CAMP-1 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:04:34 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\403-Engineering_OHMAdvisors\Roadway\Sheets\116570_GP301.dgn





PLAN AND PROFILE - US 6
STA. 1726+08.53 TO STA. 1728+00.00

HORIZONTAL SCALE IN FEET
0 20
10 40

SHEET	TOTAL
P 0384	1088

PROJECT ID 116570

REVIEWER SEO 07/30/25

DESIGNER CLD

DESIGN AGENCY OHM

ERI-US 0006-CONNECTIVITY CORRIDOR

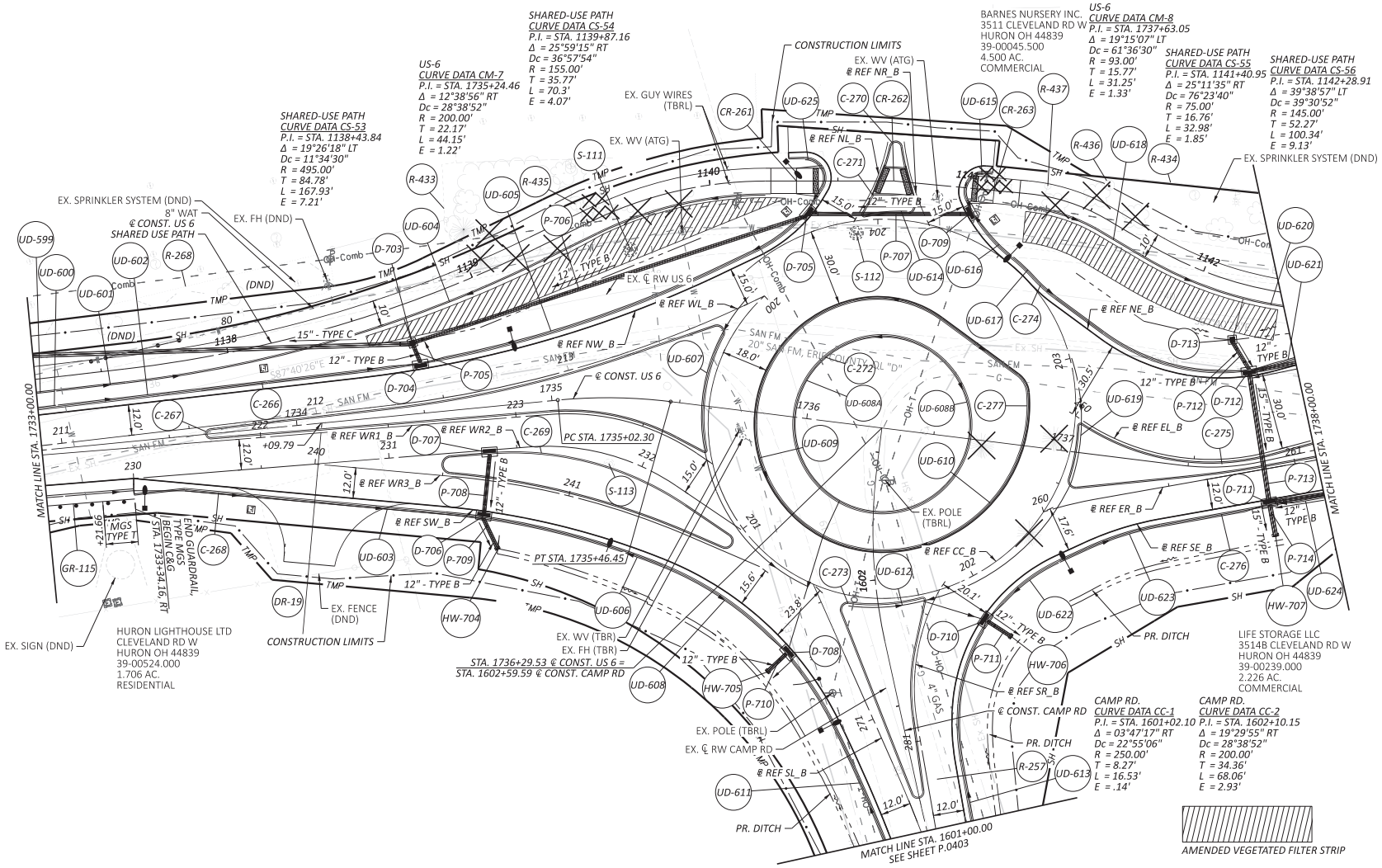
MODEL: CLP_U06_CAMP-1 - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:04:38 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCE4v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\03 Active Projects\District 03\Erie\116570\403 Engineering_OHMAdvisors\Roadway\Sheets\116570_GP301.dgn

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6
STA. 1728+00.00 TO STA. 1733+00.00

DESIGN AGENCY
OHM

DESIGNER	CLD
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0385
TOTAL	1088



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN - US 6
STA. 1733+00.00 TO STA. 1738+00.00

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_U06_CAMP-1 - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:04:42 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pohlriel@ohm-advisors.com WORKSPACE: OHDOTCE4v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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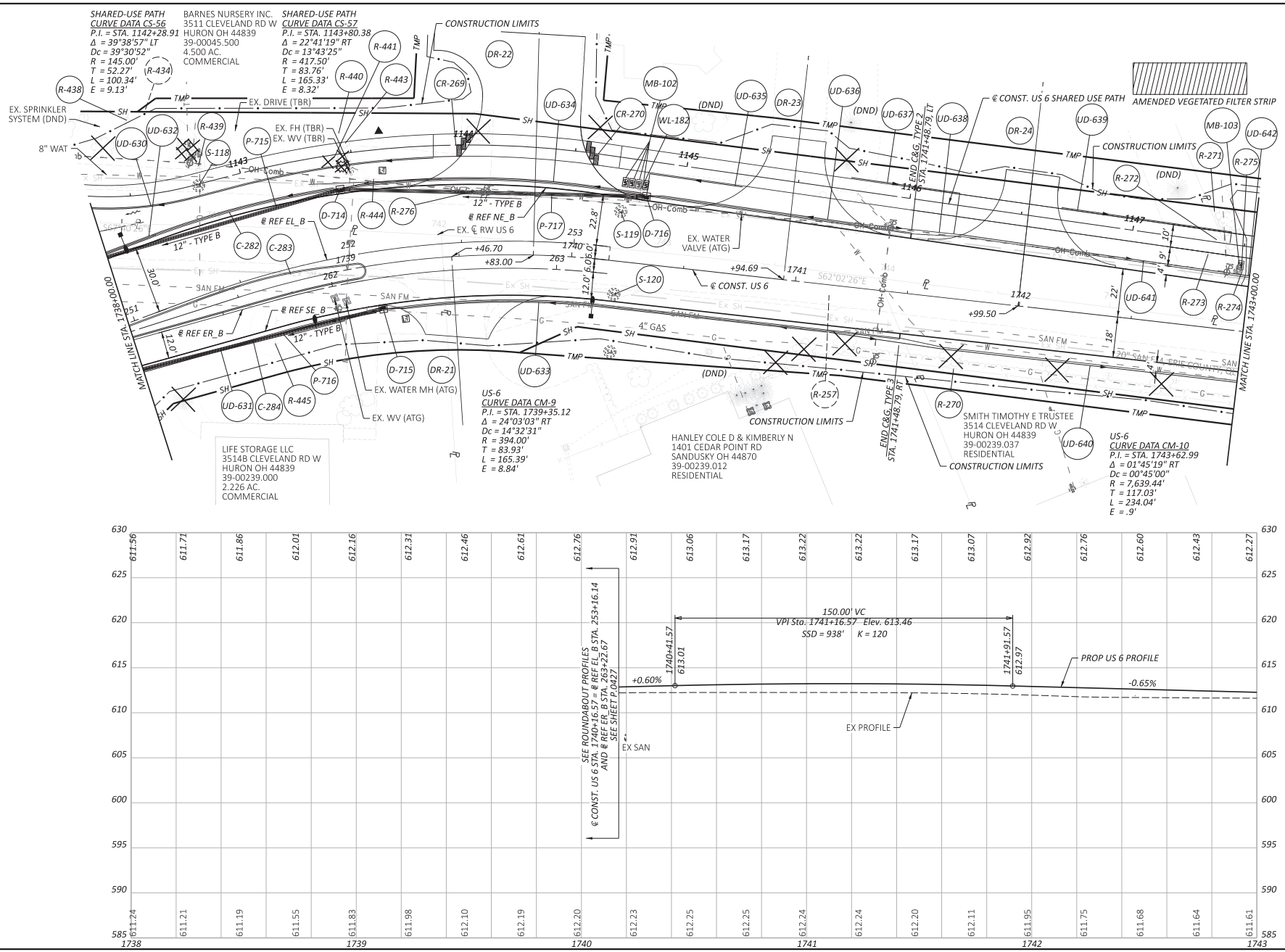
DESIGN AGENCY: OHM

DESIGNER	CLD
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0386
TOTAL	1088



ERI-US 0006-CONNECTIVITY CORRIDOR

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6
STA. 1738+00.00 TO STA. 1743+00.00

DESIGN AGENCY
OHM

DESIGNER	CLD
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0387
TOTAL	1088

MODEL: CLP_U006_CAMP-1 - Plan 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:04:47 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pohlriel@ohm-advisors.com WORKSPACE: OHDOTCE4v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\03 Active Projects\District 03\Erie\116570\403 Engineering_OHMAdvisors\Roadway\Sheets\116570_GP301.dgn

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_U006_CAMP-1 - Plan 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 11:04:50 AM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: Nick.Pokhrel@ohm-advisors.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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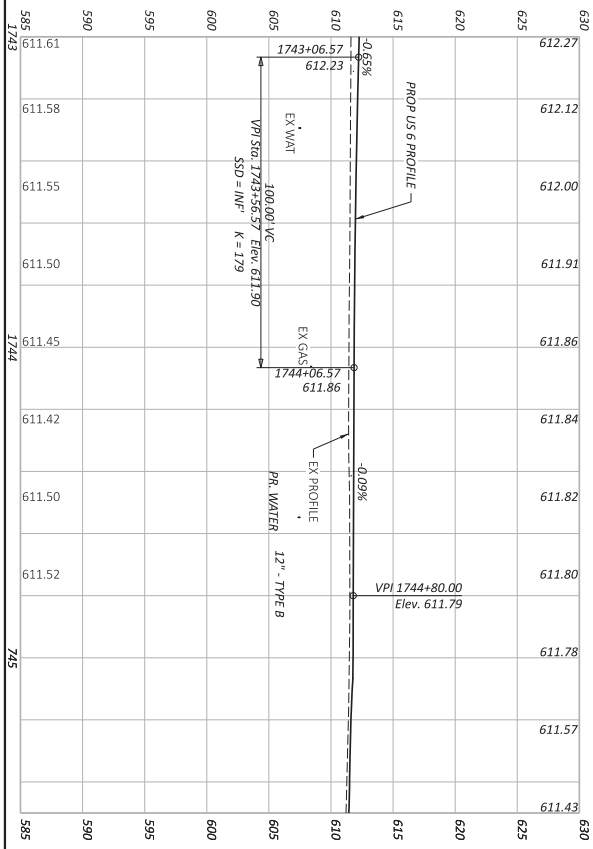
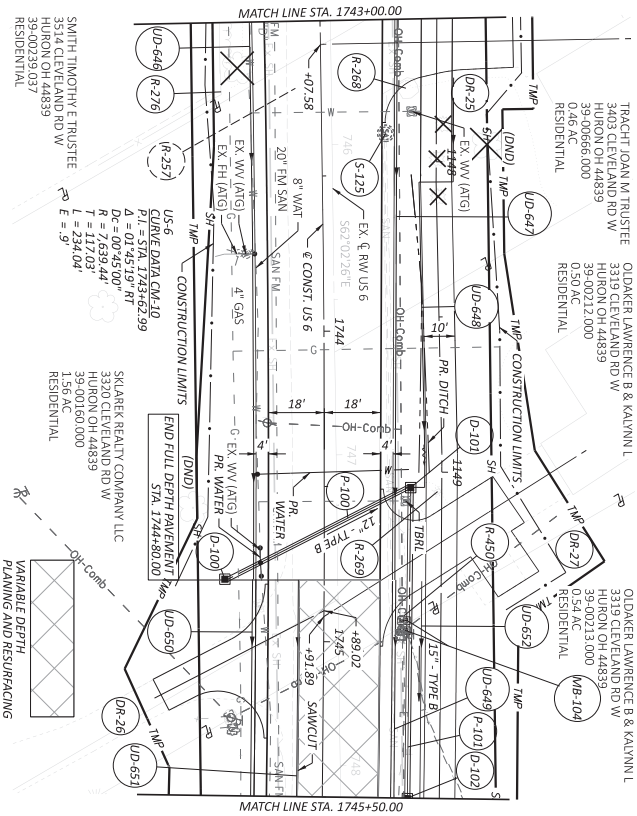




SHEET	TOTAL
P 0388	1088

PROJECT ID
116570

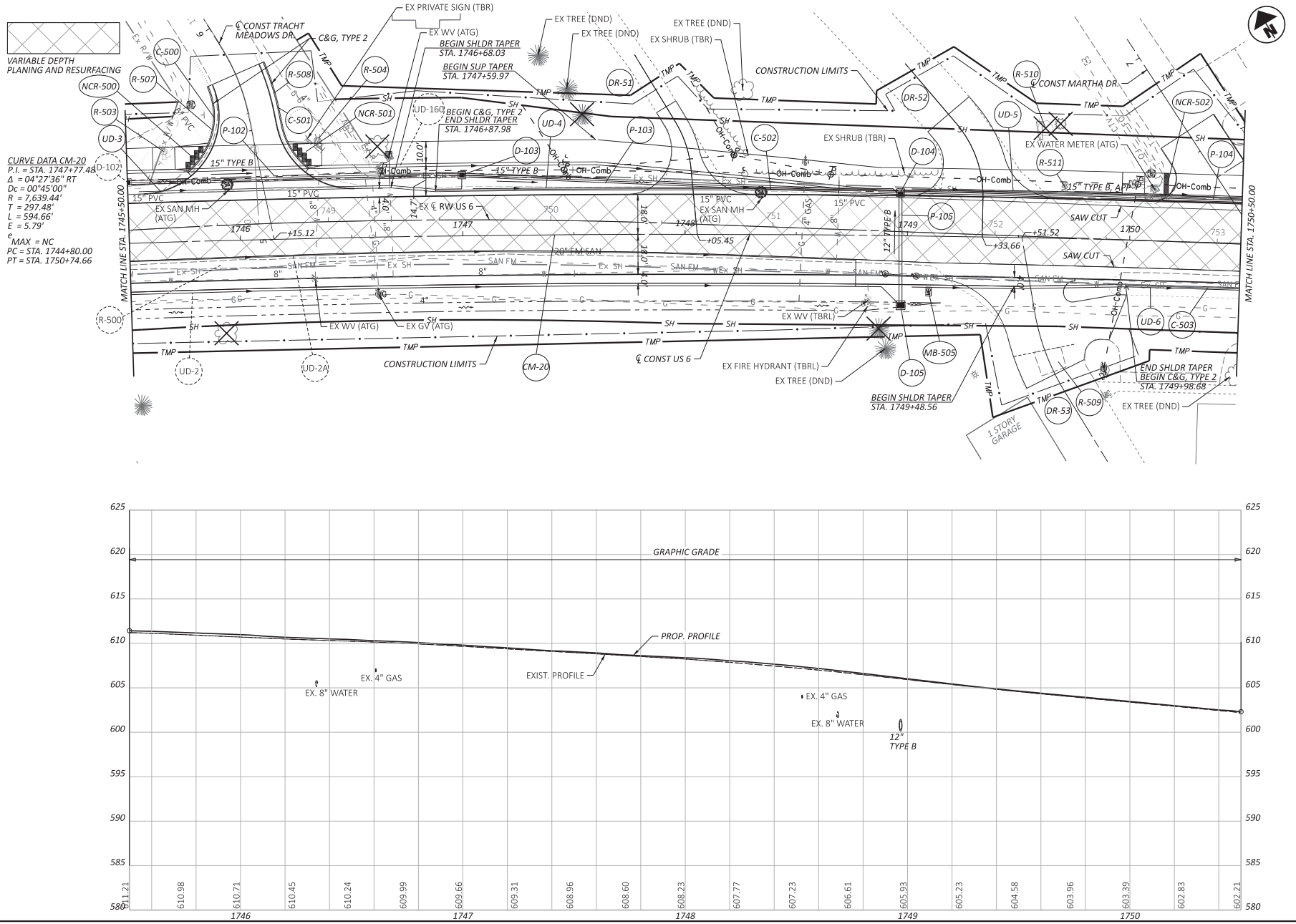
REVIEWER	DATE
SEO	07/30/25

DESIGNER
CLD

DESIGN AGENCY

PLAN AND PROFILE - US 6
STA. 1743+00.00 TO STA. 1745+50.00

HORIZONTAL
SCALE IN FEET
0 20
10 40



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6
STA. 1745+50.00 TO STA. 1750+50.00

ERI-US 0006-CONNECTIVITY CORRIDOR

DESIGN AGENCY
TRANSYSTEMS
400 N. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0389
TOTAL	1088

MODEL: CLP_US 6 - Plan US 6 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:48:58 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jlwilson@gftinc.com WORKSPACE: OHDOTCE4v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\03 Active Projects\District 03\Erie\116570\402 Engineering_Transystems\Roadway\Sheets\116570_GP003.dgn

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_US 6 - Plan US 7 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/14/2025 TIME: 3:23:51 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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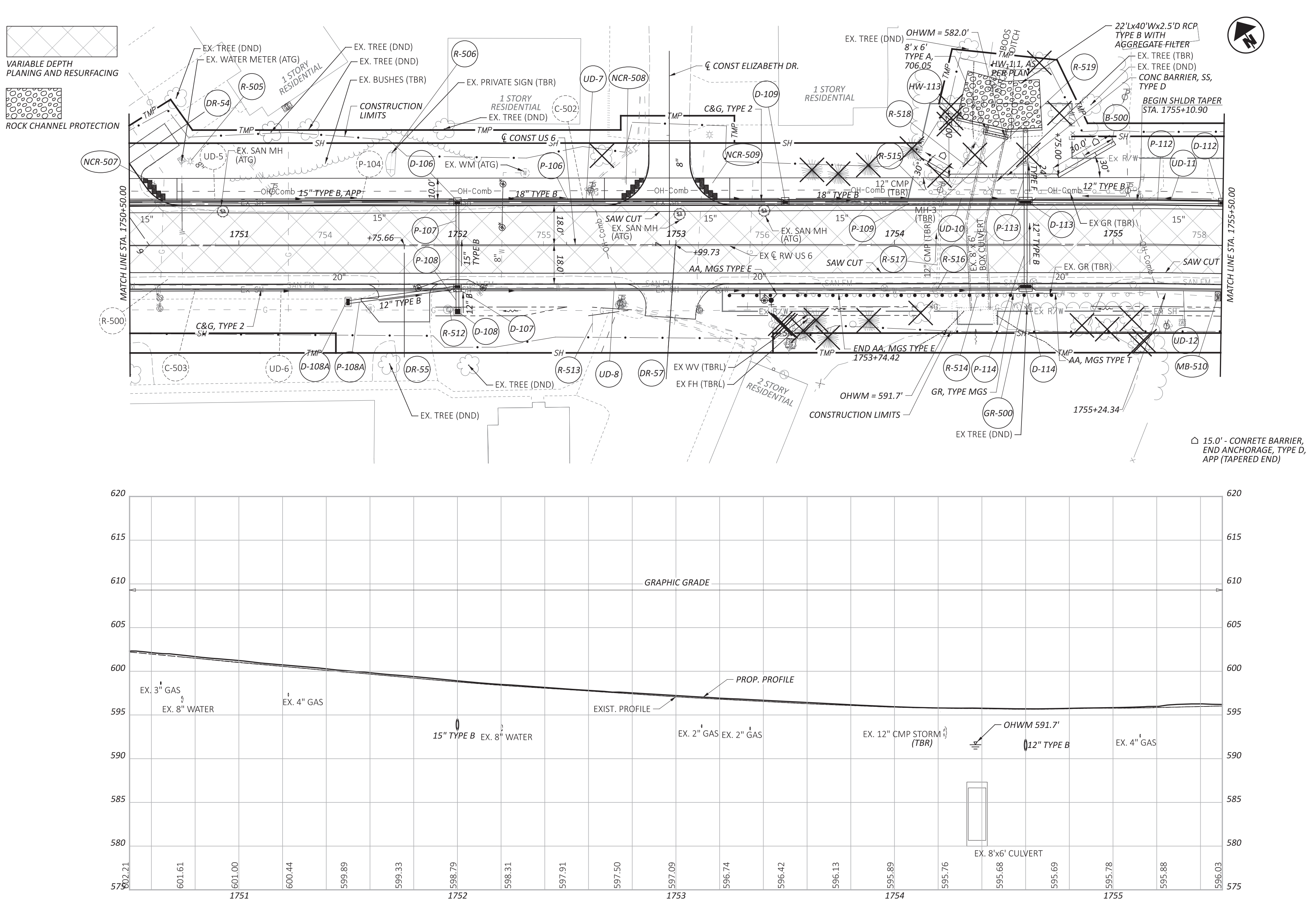
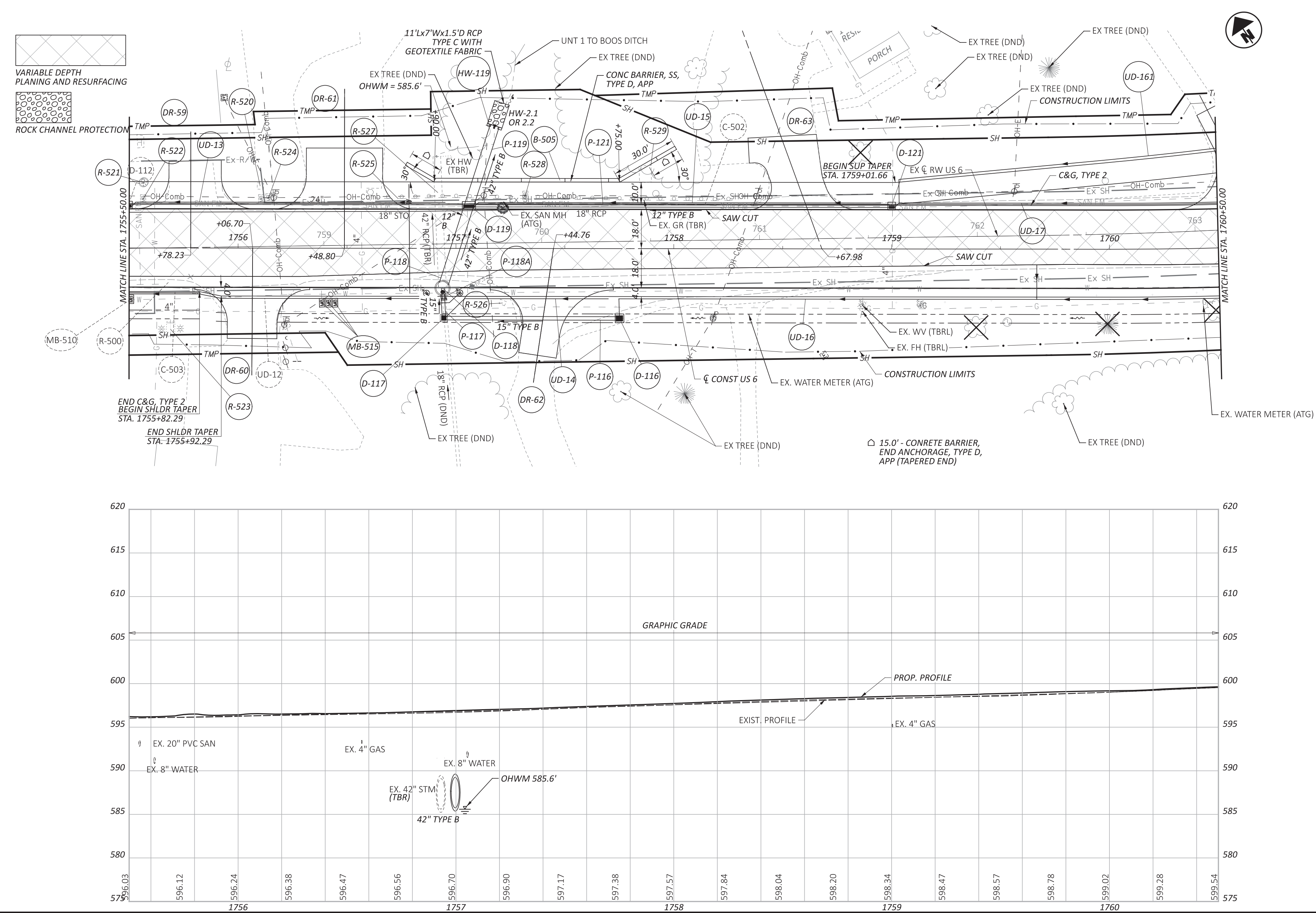


PLAN AND PROFILE - US 6
STA. 1750+50.00 TO STA. 1755+50.00

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER: TK
REVIEWER: GHM 07/30/25
PROJECT ID: 116570
SHEET: P.0390 TOTAL: 1088



ERI-US 0006-CONNECTIVITY CORRIDOR

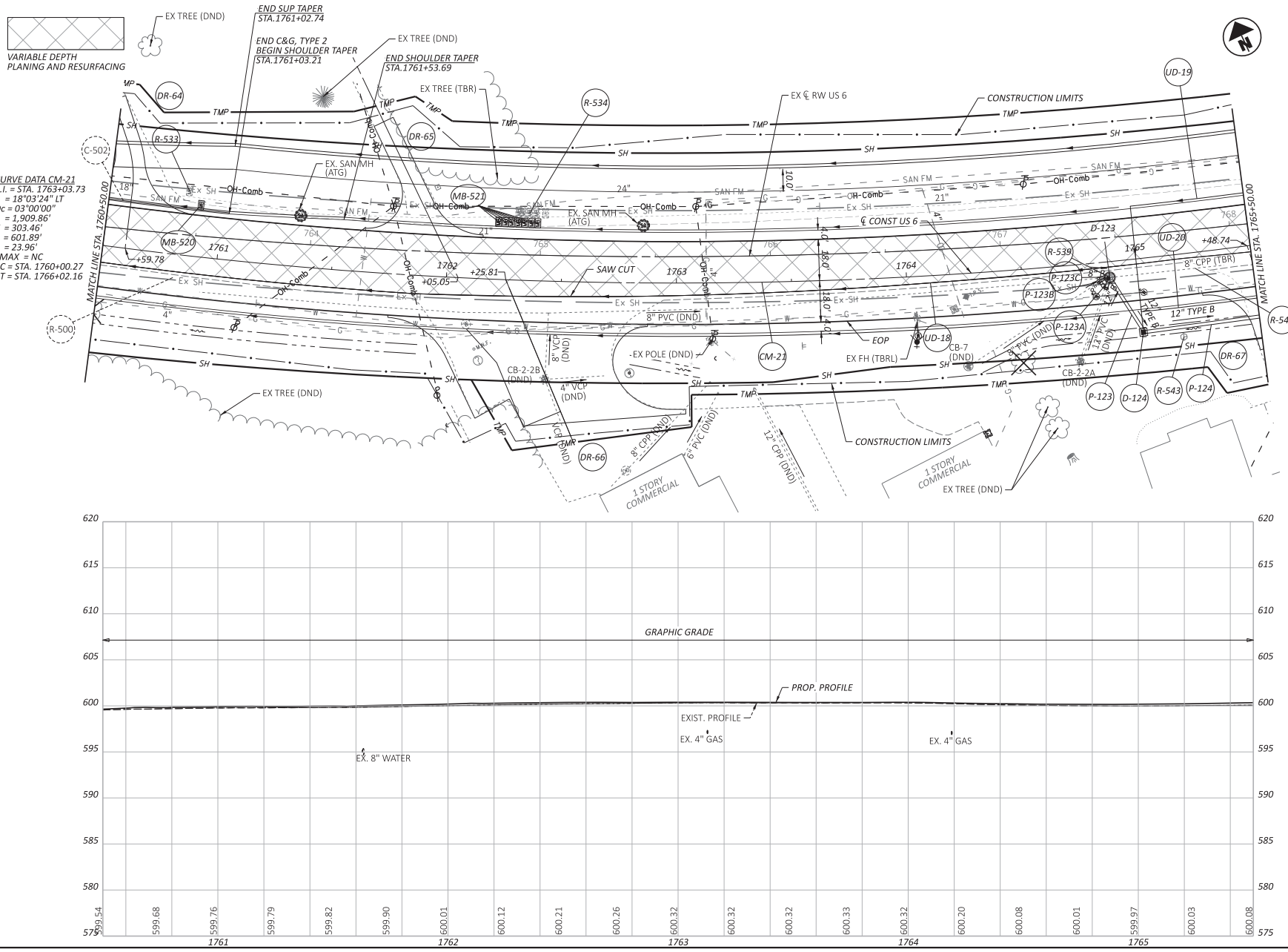
MODEL: CLP_US 6 - Plan US 8 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/14/2025 TIME: 3:24:17 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205

pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP001.dgn

PLAN AND PROFILE - US 6
STA. 1755+50.00 TO STA. 1760+50.00

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0391
TOTAL	1088



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pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\03 Active Projects\District 03\Erie\116570\02 Engineering_Transystems\Roadway\Sheets\116570_GP001.dgn

ERI-US 0006-CONNECTIVITY CORRIDOR

HORIZONTAL SCALE IN FEET
0 10 20 40

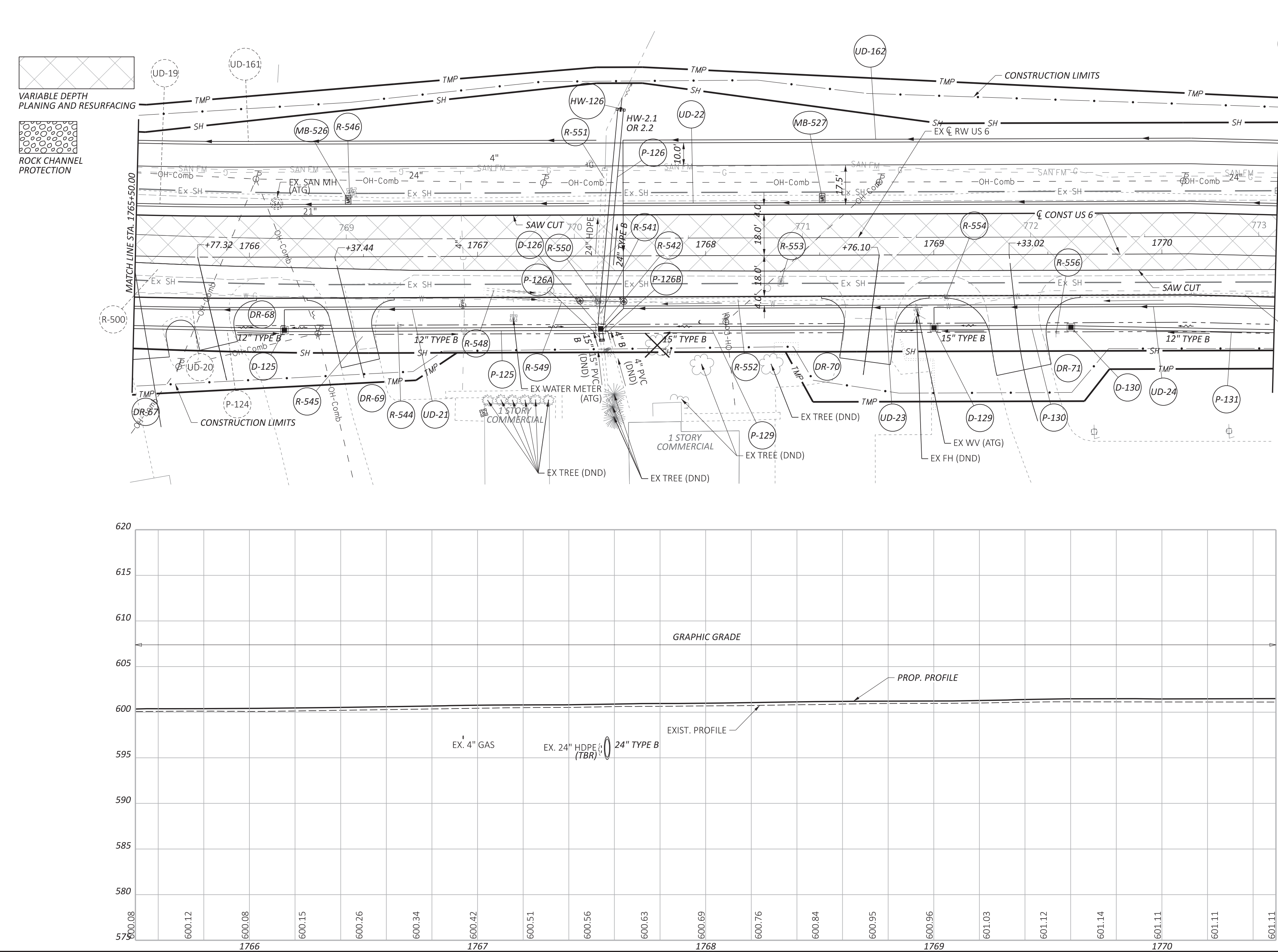
PLAN AND PROFILE - US 6
STA. 1760+50.00 TO STA. 1765+50.00

DESIGN AGENCY
TRANSYSTEMS
400 N. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER TK
REVIEWER GHM 07/30/25
PROJECT ID 116570
SHEET P.0392 TOTAL 1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_US 6 - Plan US 10 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:49:21 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP0018.dgn

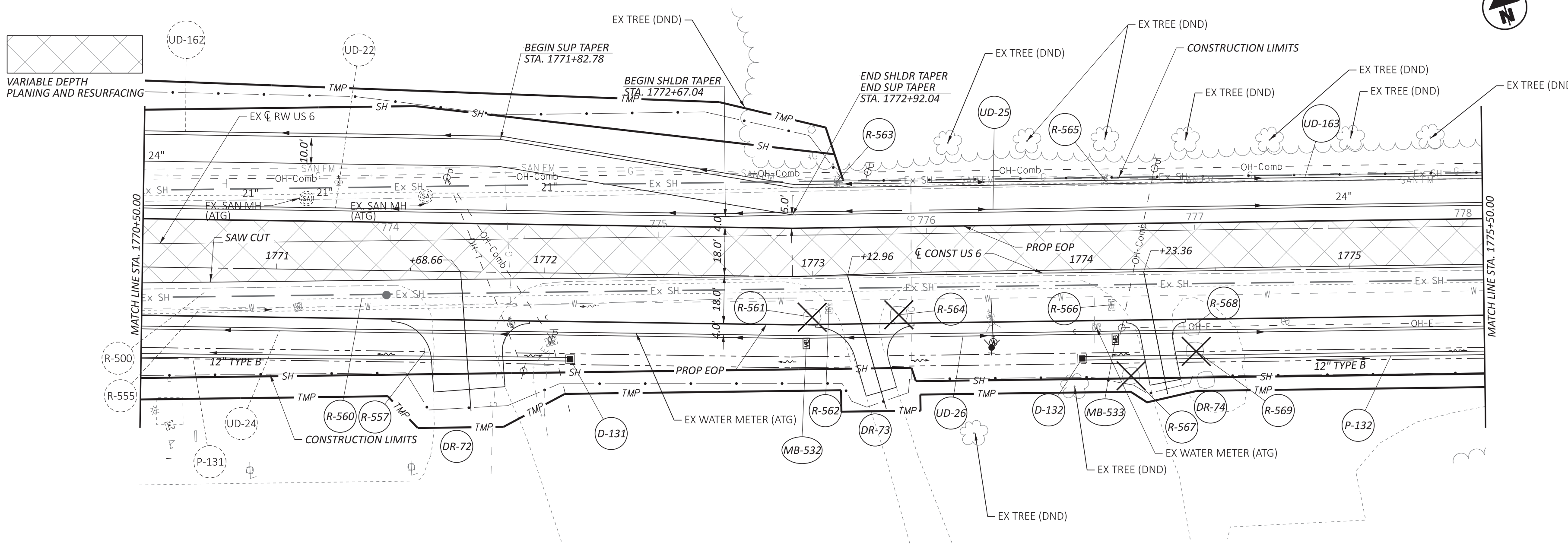


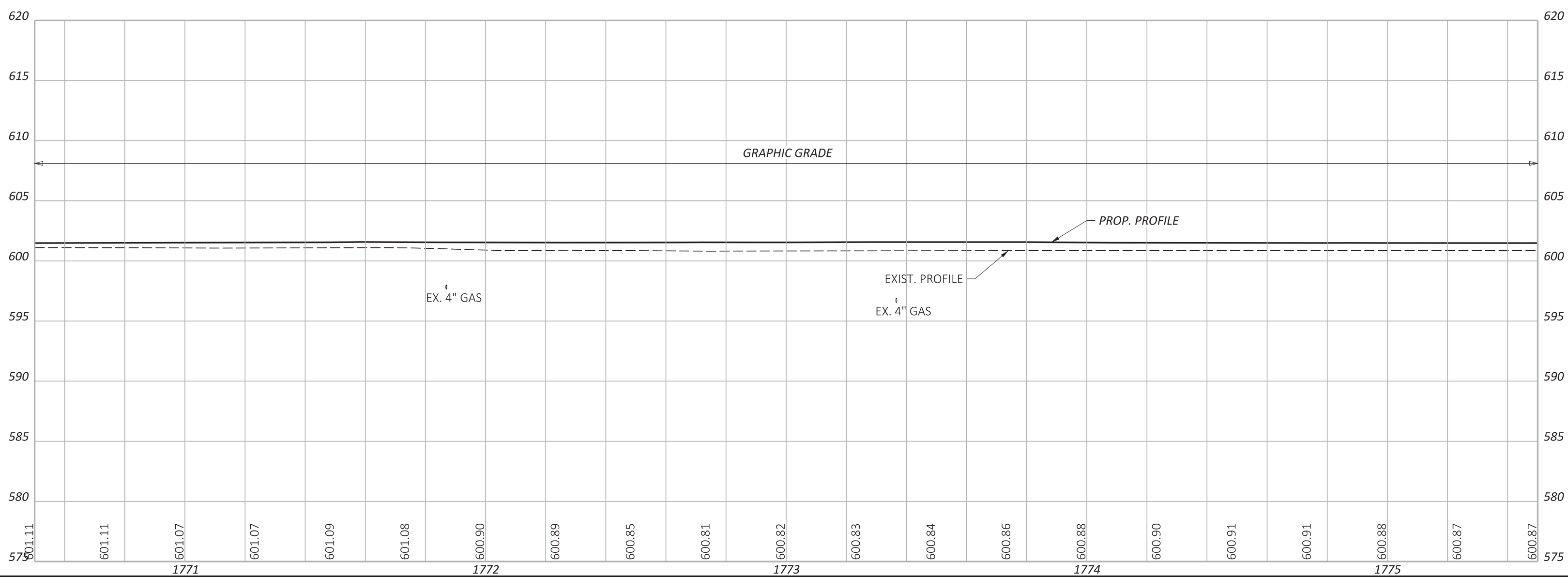
HORIZONTAL SCALE IN FEET

PLAN AND PROFILE - US 6
STA. 1765+50.00 TO STA. 1770+50.00

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0393
TOTAL	1088





HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6
STA. 1770+50.00 TO STA. 1775+50.00

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER
TK

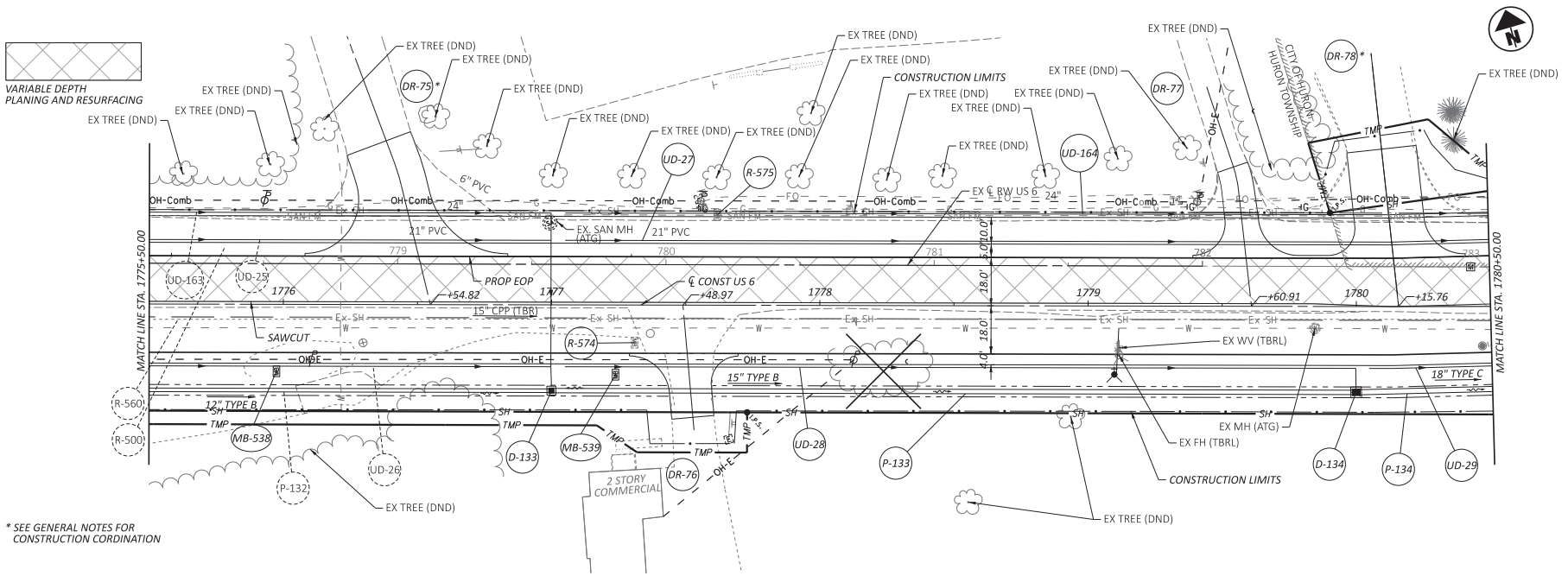
REVIEWER
GHM 07/30/25

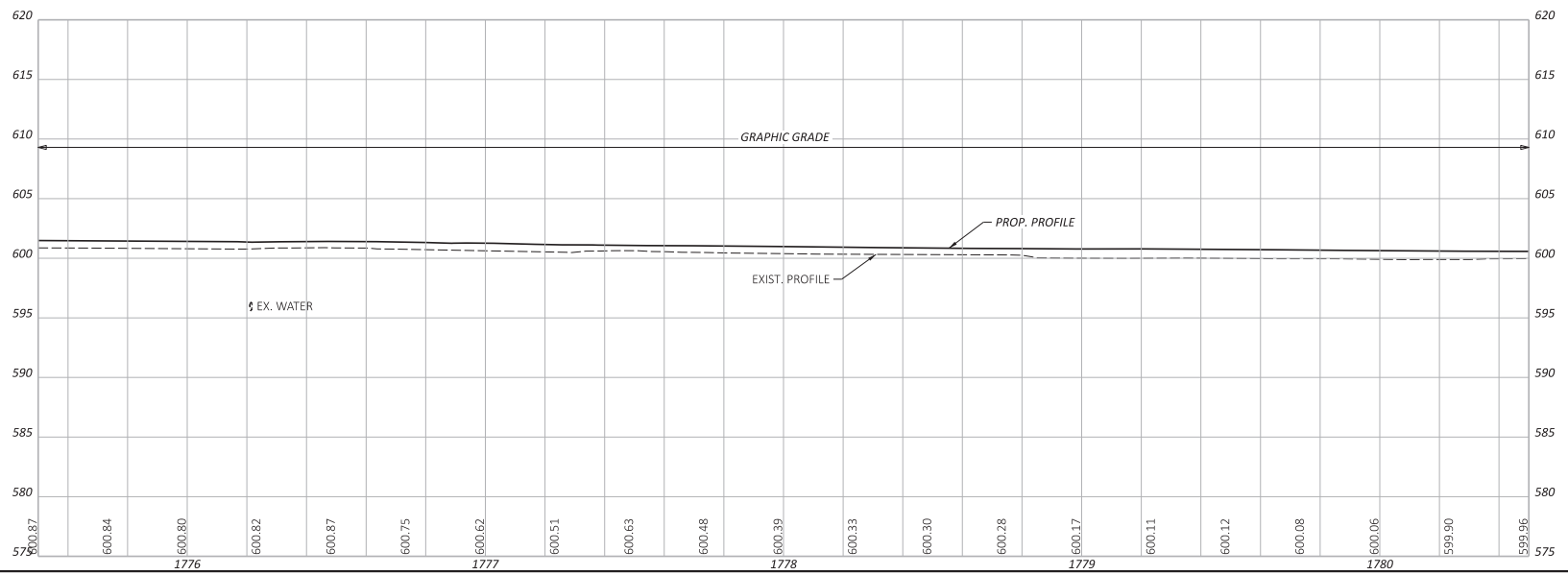
PROJECT ID
116570

SHEET	TOTAL
P.0394	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_US 6 - Plan US 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:49:25 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gfitinc.com WORKSPACE: OHDOTCE02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP0018.dgn



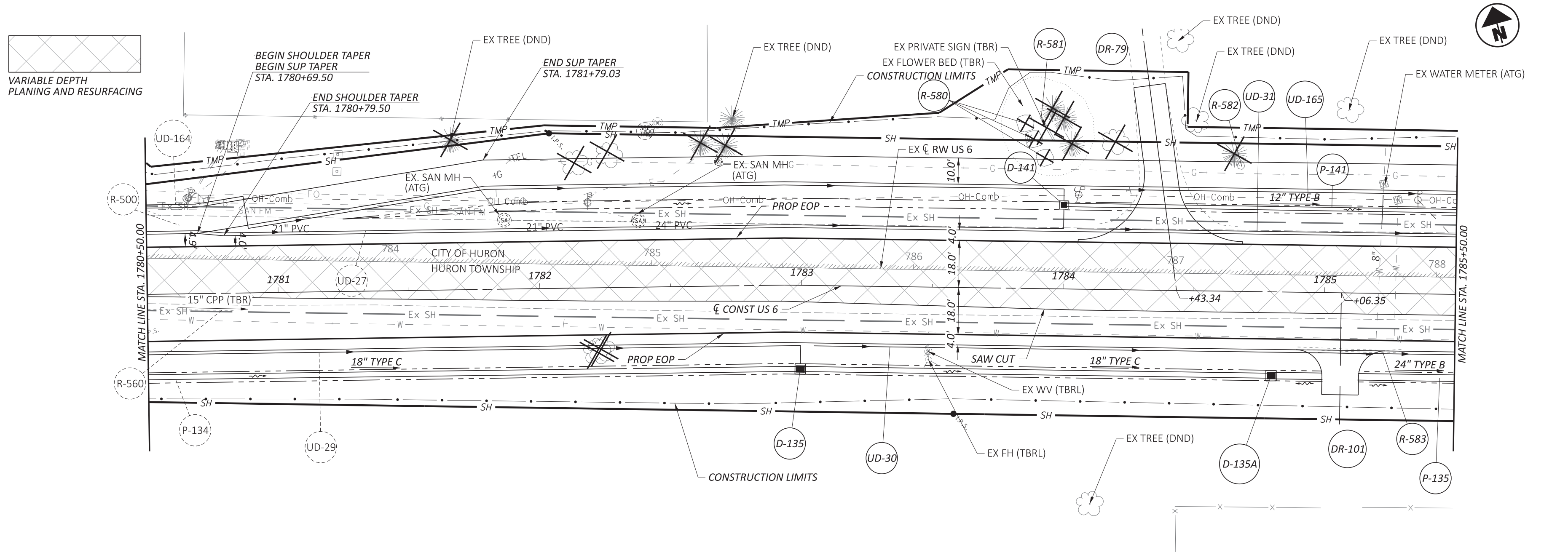


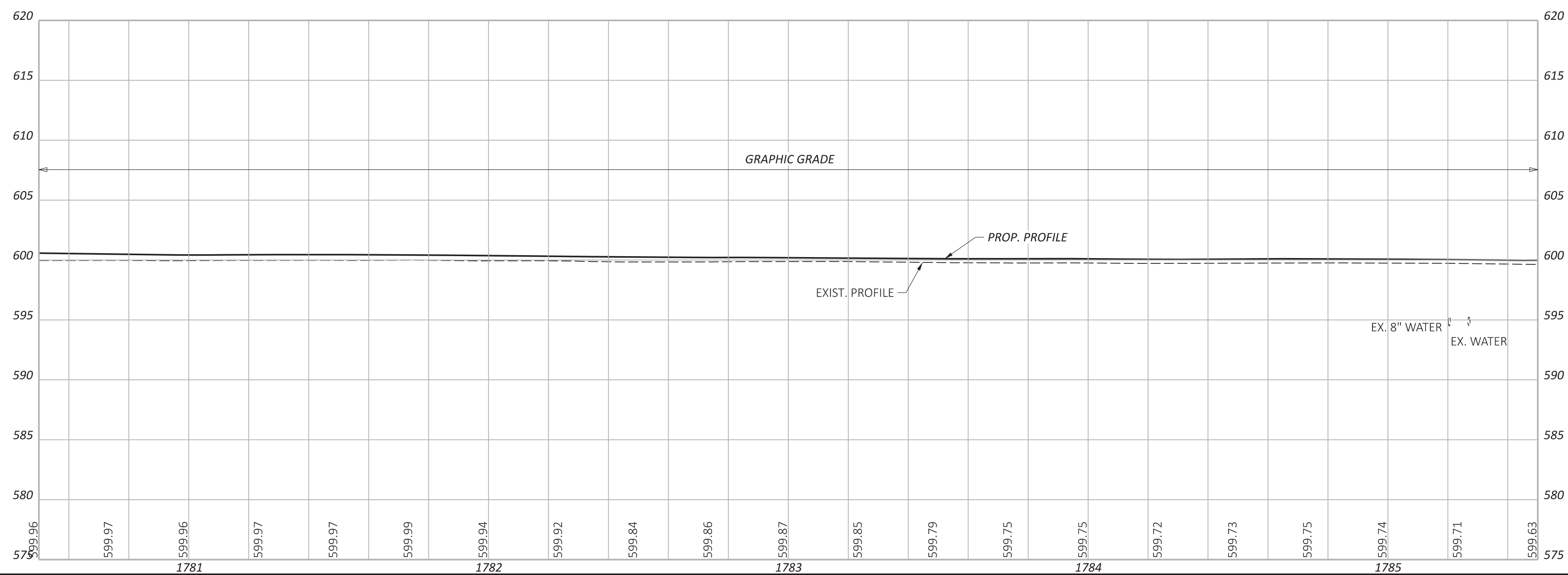
HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6
STA. 1775+50.00 TO STA. 1780+50.00

DESIGN AGENCY
TRANSYSTEMS
400 N. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0395
TOTAL	1088





PLAN AND PROFILE - US 6
STA. 1780+50.00 TO STA. 1785+50.00

ERI-US 0006-CONNECTIVITY CORRIDOR

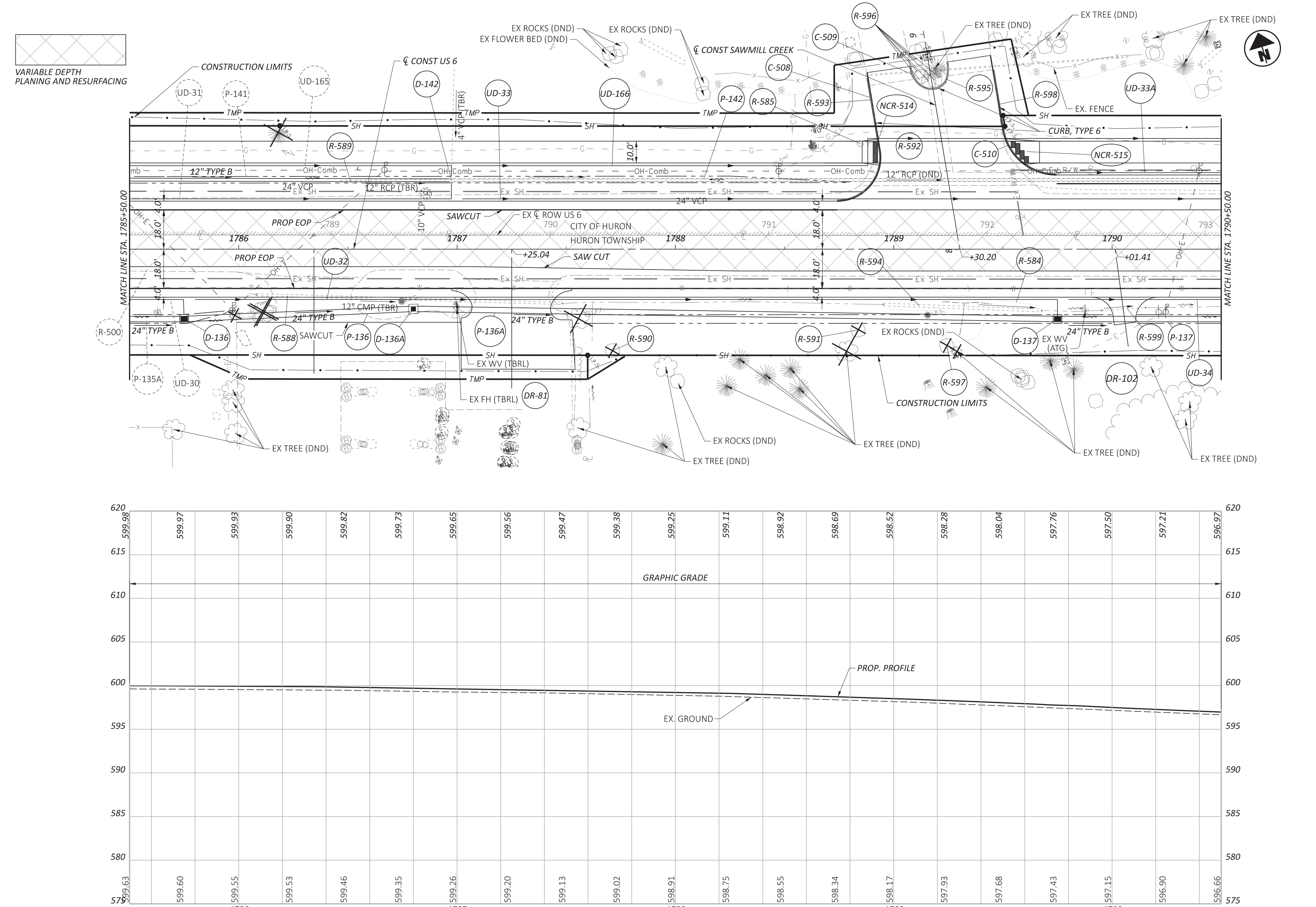
MODEL: CLP_US 6 - Plan US 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:49:31 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP0018.dgn

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	
TK	
REVIEWER	
GHM 07/30/25	
PROJECT ID	
116570	
SHEET	TOTAL
P.0396	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_US 6 - Plan US 14 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:49:51 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP001C.dgn

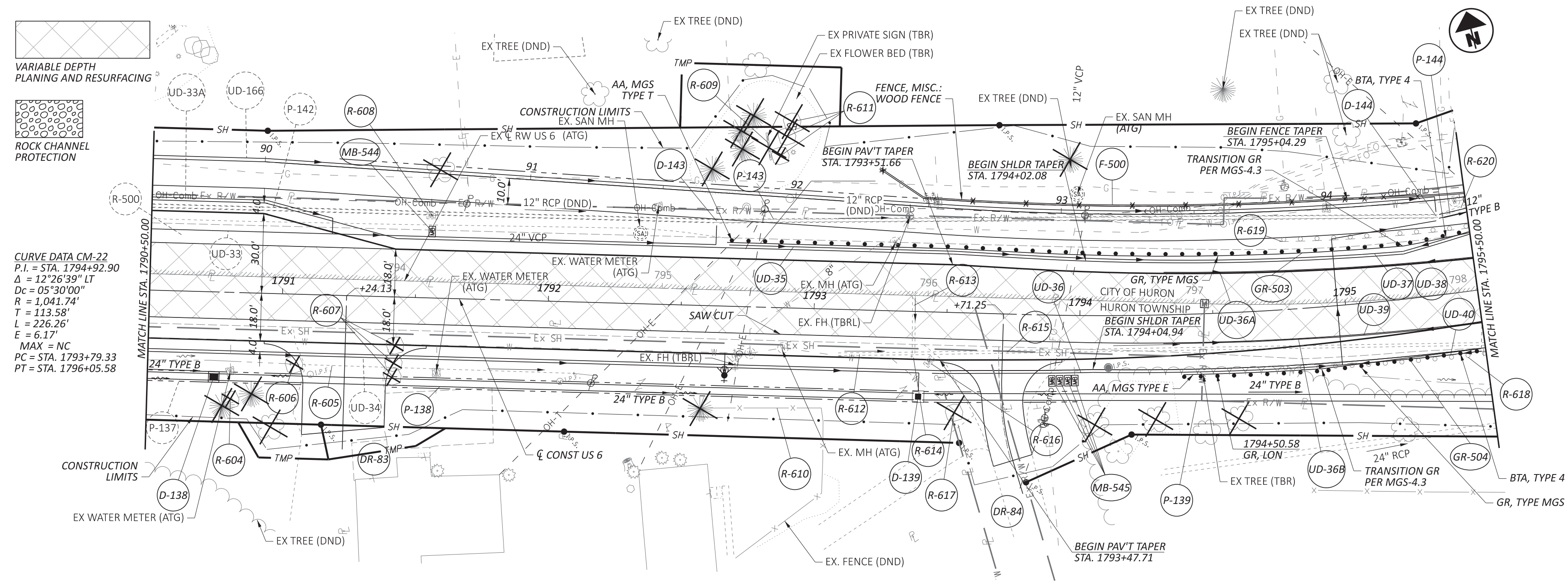


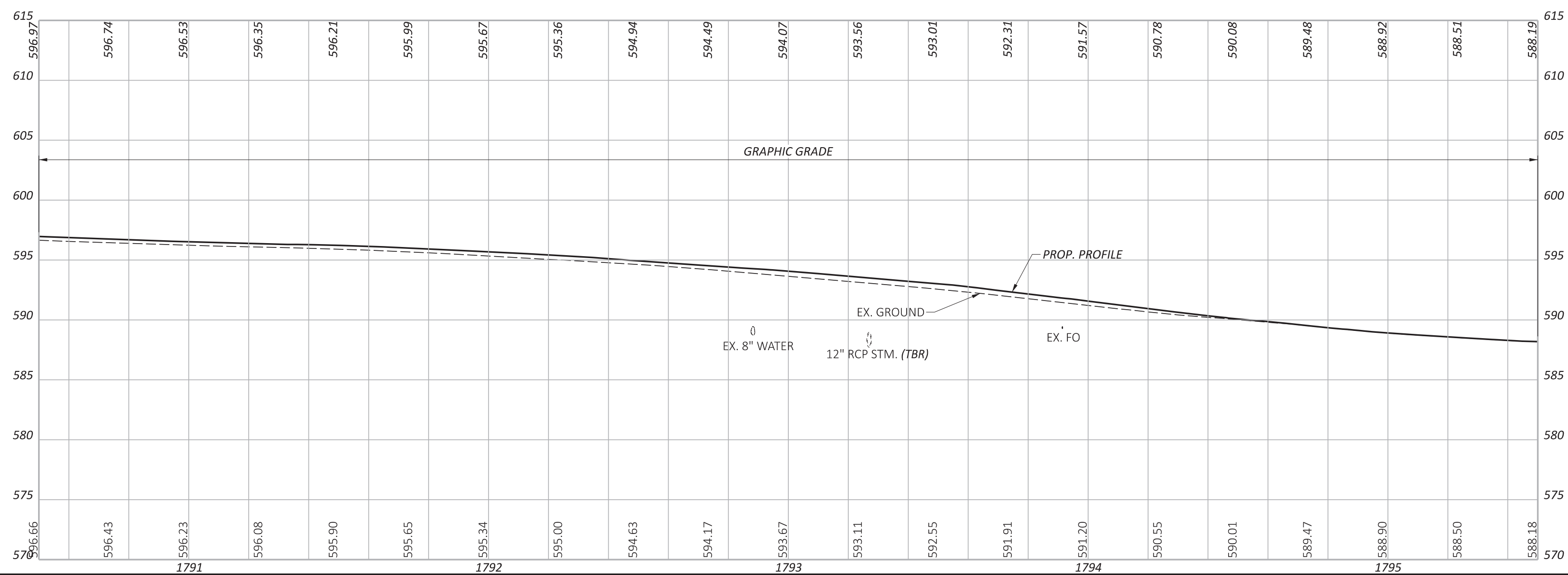
PLAN AND PROFILE - US 6
STA. 1785+50.00 TO STA. 1790+50.00

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0397
TOTAL	1088

ERI-US 0006-CONNECTIVITY CORRIDOR





PLAN AND PROFILE - US 6
STA. 1790+50.00 TO STA. 1795+50.00

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD, STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0398
TOTAL	1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_US 6 - Plan US 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:19:11 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jlwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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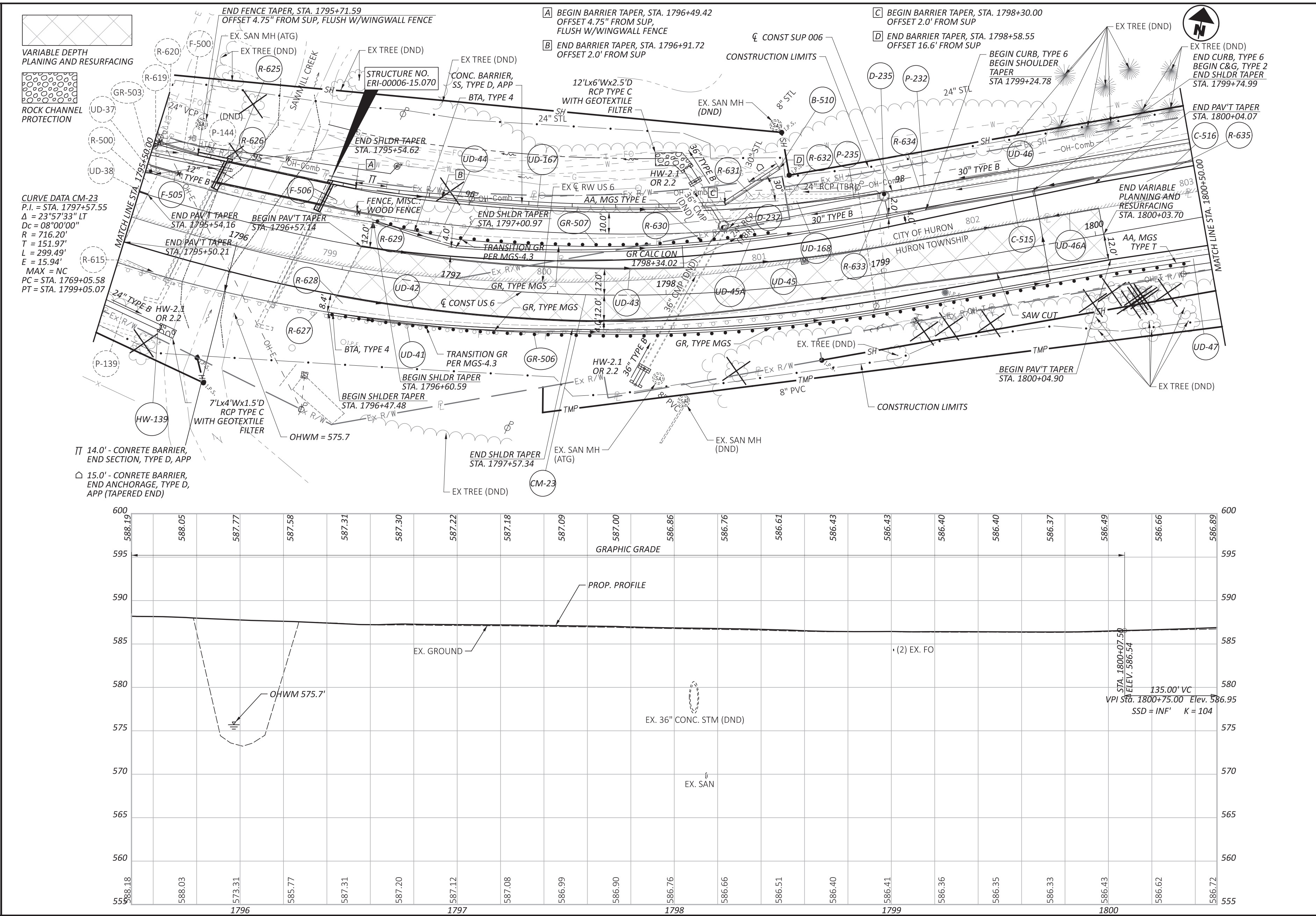
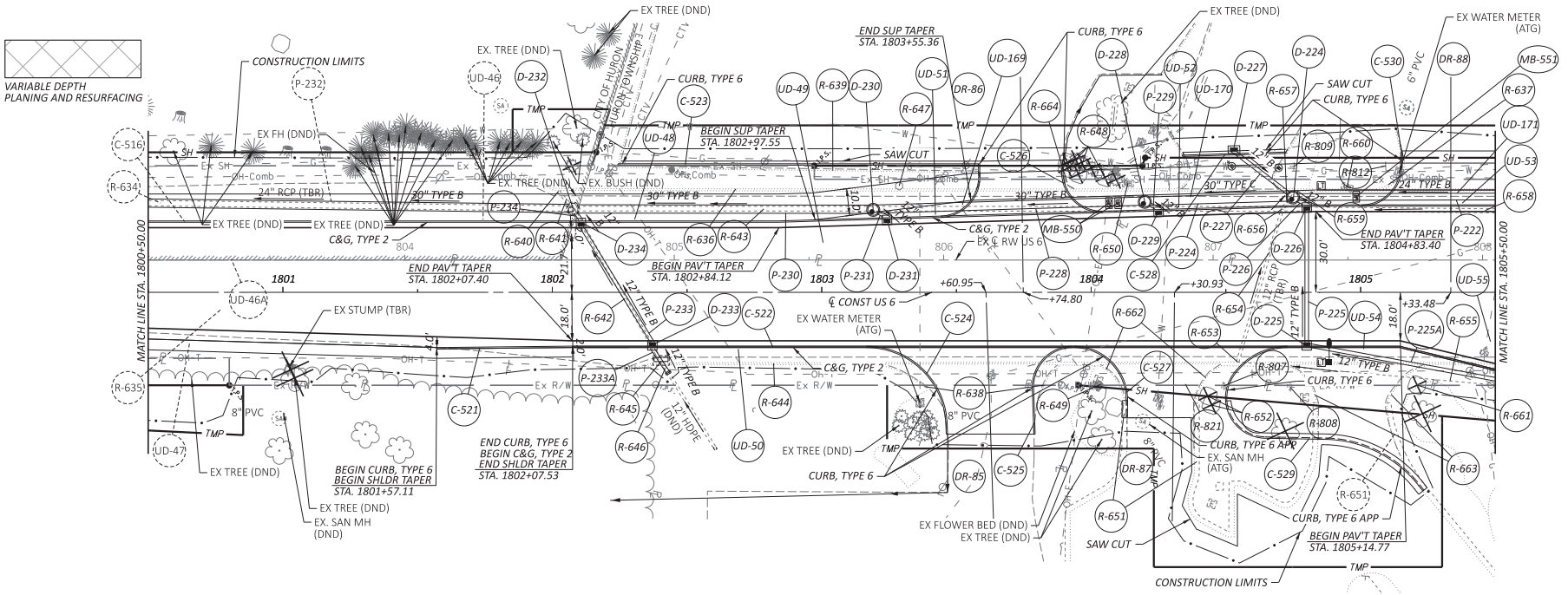
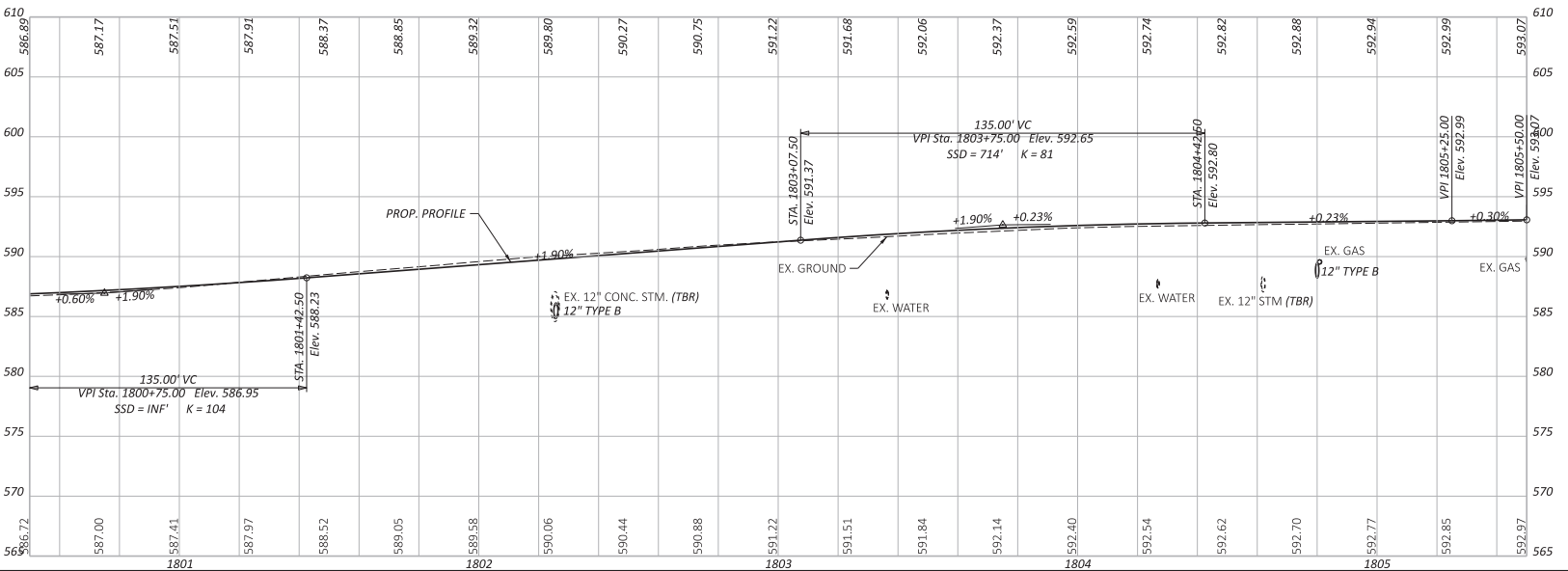


PLAN AND PROFILE - US 6
STA. 1795+50.00 TO STA. 1800+50.00

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0399
TOTAL	1088





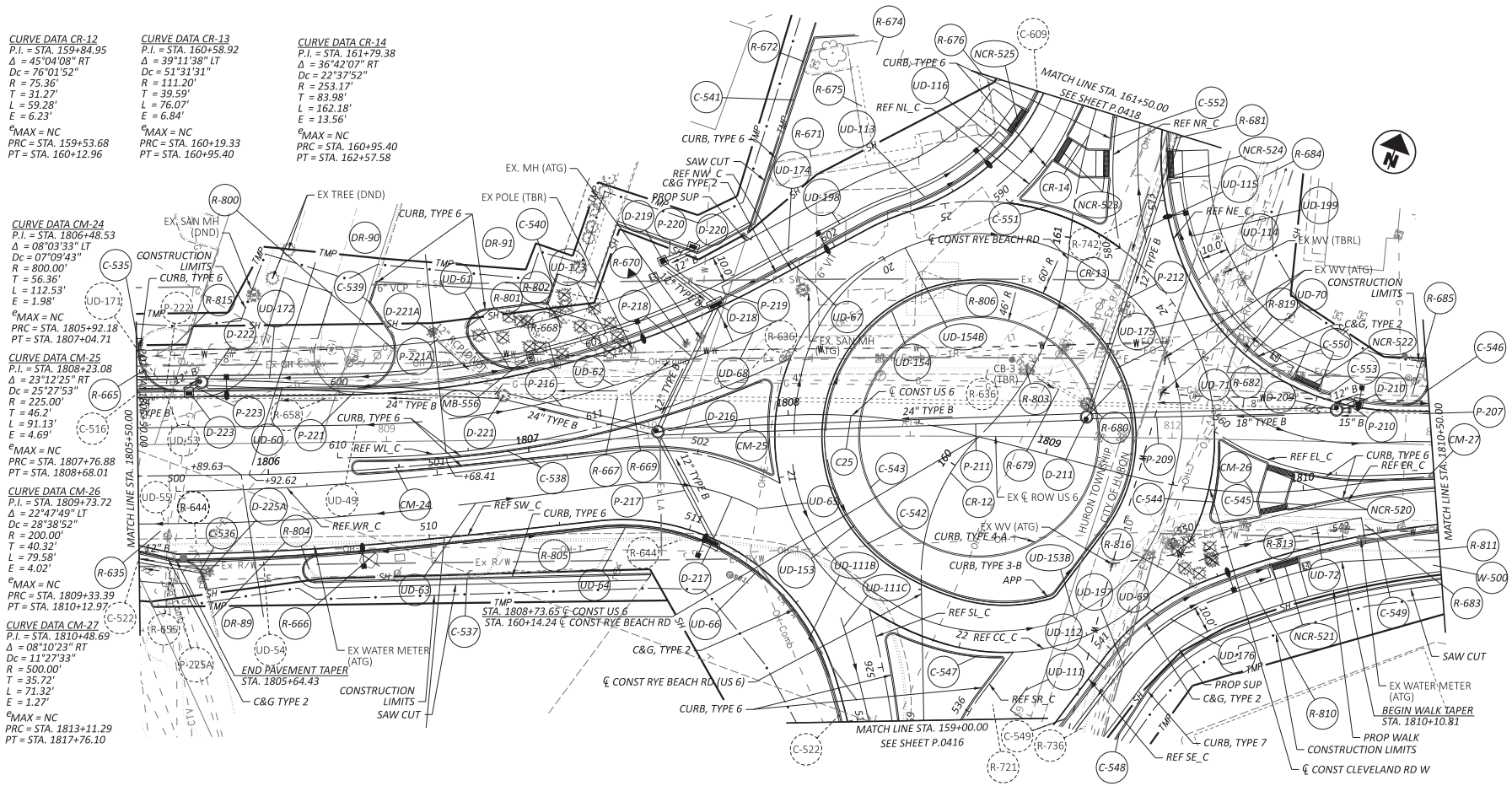
HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - US 6
STA. 1800+50.00 TO STA. 1805+50.00

ERI-US 0006-CONNECTIVITY CORRIDOR

DESIGN AGENCY
TRANSYSTEMS
400 N. ANTHONY BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER: TK
REVIEWER: GHM 07/30/25
PROJECT ID: 116570
SHEET: P.0400 TOTAL: 1088

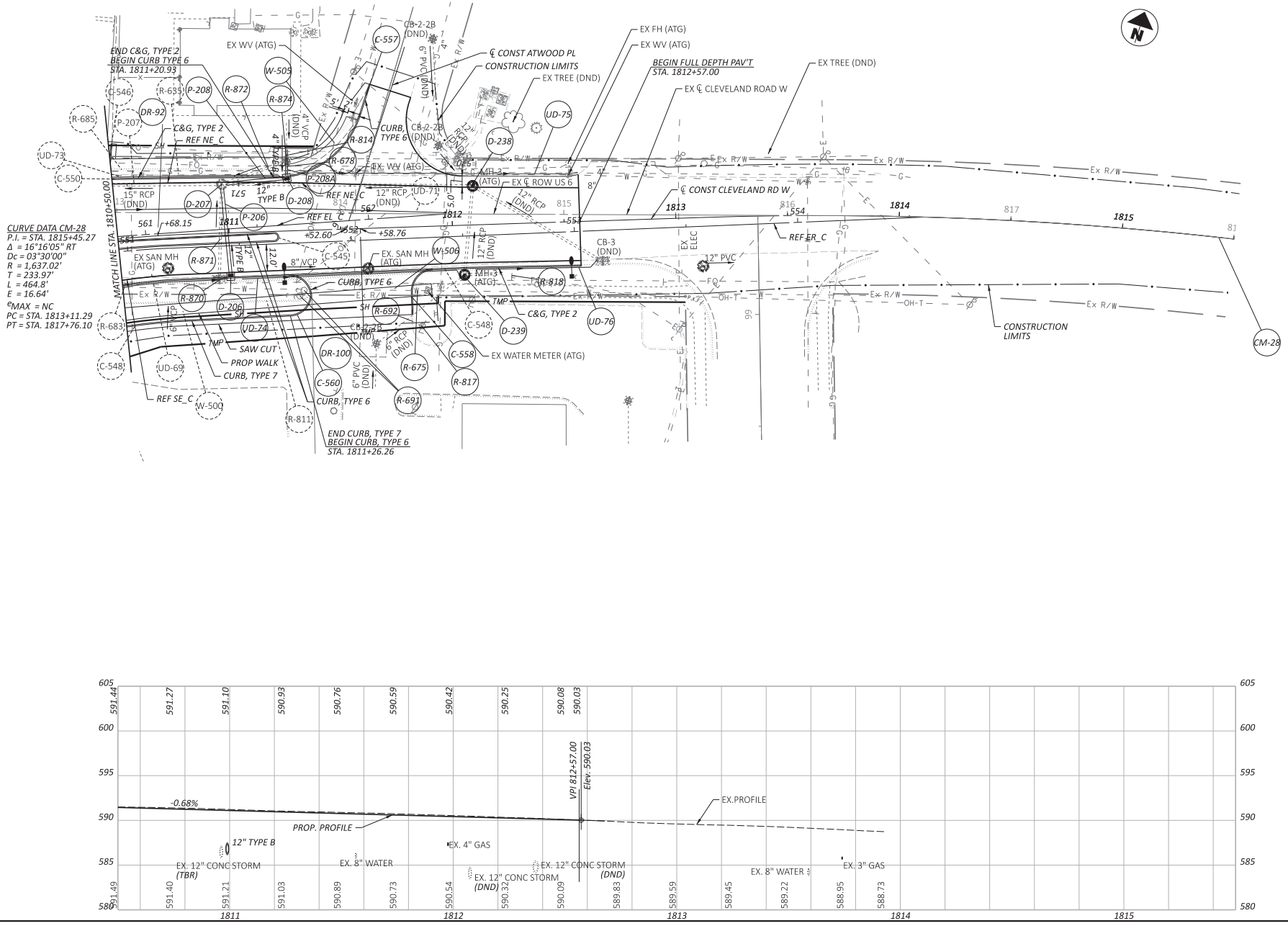


ERI-US 0006-CONNECTIVITY CORRIDOR

PLAN AND PROFILE - US 6
STA. 1805+50.00 TO STA. 1810+50.00

DESIGN AGENCY
TRANSYSTEMS
400 N. ANTHONY BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0401
TOTAL	1088



HORIZONTAL SCALE IN FEET
0 10 20 40

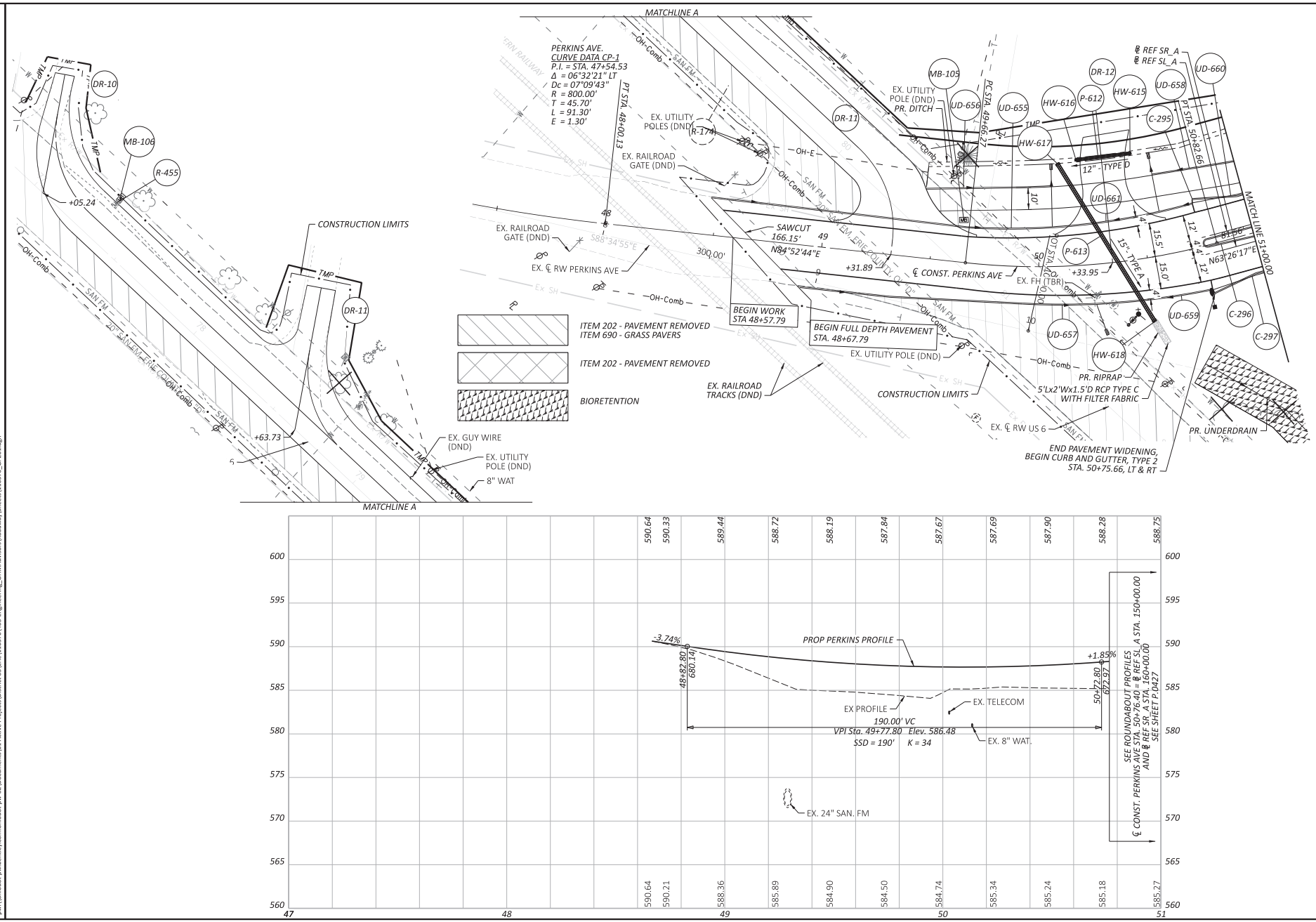
PLAN AND PROFILE - US 6
STA. 1810+50.00 TO END

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_U006R - US06 PLAN-1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:50:20 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gfinc.com WORKSPACE: OHDOTCivil02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohdot-pw.bentley.com:ohdot-pw02\Documents\03 Active Projects\District 03\Erie\116570\402 Engineering_Plan\systems\Roadway\Sheets\116570_GP002.dgn

DESIGN AGENCY
TRANSYSTEMS
400 N. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER TK
REVIEWER GHM 07/30/25
PROJECT ID 116570
SHEET P.0402 TOTAL 1088



ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_PERKINS - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:50:38 PM PLTDRV: OHDOT_POF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jjwilson@gfdinc.com WORKSPACE: OHDOTCE-v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\03 Active Projects\District 03\Erie\116570\403 Engineering_OHM Advisors\Roadway\Sheets\116570_GP203.dgn

PLAN AND PROFILE - PERKINS AVE
BEGIN TO STA. 51+00.00

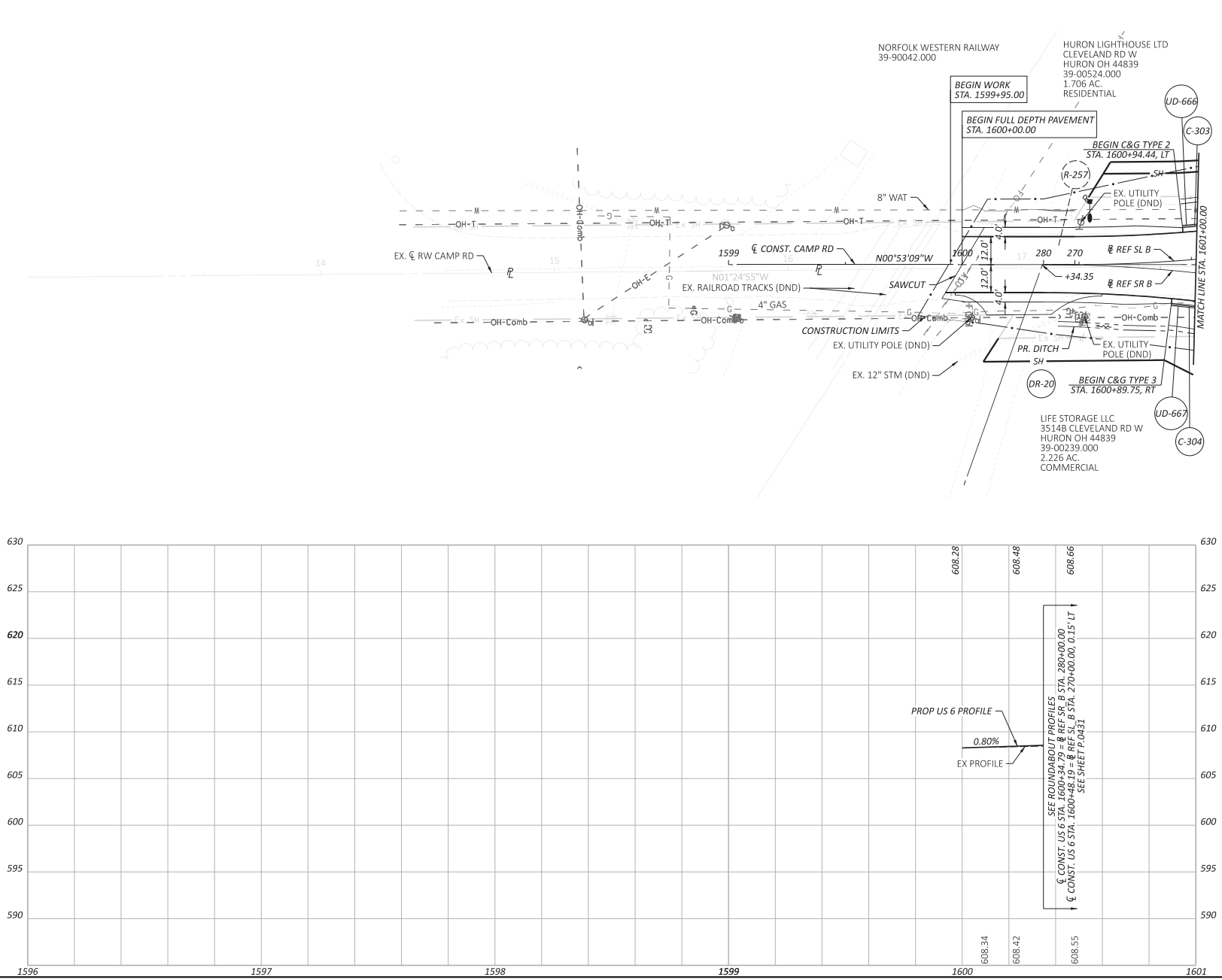
HORIZONTAL SCALE IN FEET
0 10 20 40

DESIGN AGENCY
OHM

DESIGNER KAH
REVIEWER SEO 07/30/25
PROJECT ID 116570
SHEET P.0403 TOTAL 1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_CAMP-1 - Plan & [Sheet] | PAPERSIZE: 34x22 (in.) | DATE: 8/1/2025 | TIME: 8:38:28 AM | PLTDRV: OHDOT_PDF_Levels.pltcfg | PENTBL: OHDOT_Pen.tbl | USER: jlwilson@ghtinc.com | WORKSPACE: OHDOTCEx02 | WORKSET: 116570 | PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\03 Active Projects\District 03\Erie\116570\403 Engineering_OHMAdvisors\Roadway\Sheets\116570_CP301.dgn



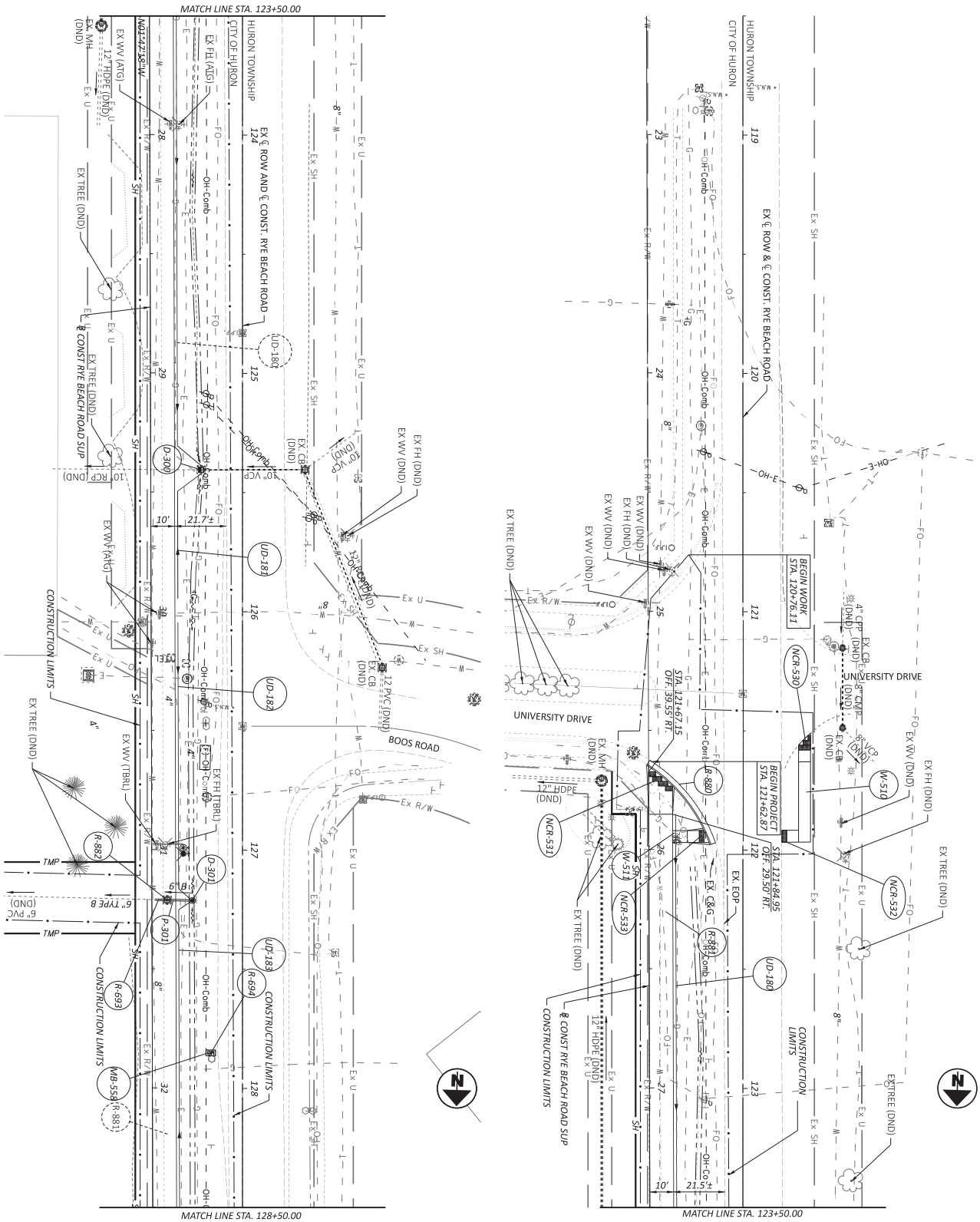
HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - CAMP RD
BEGIN TO STA. 1601+00.00

DESIGN AGENCY
OHM

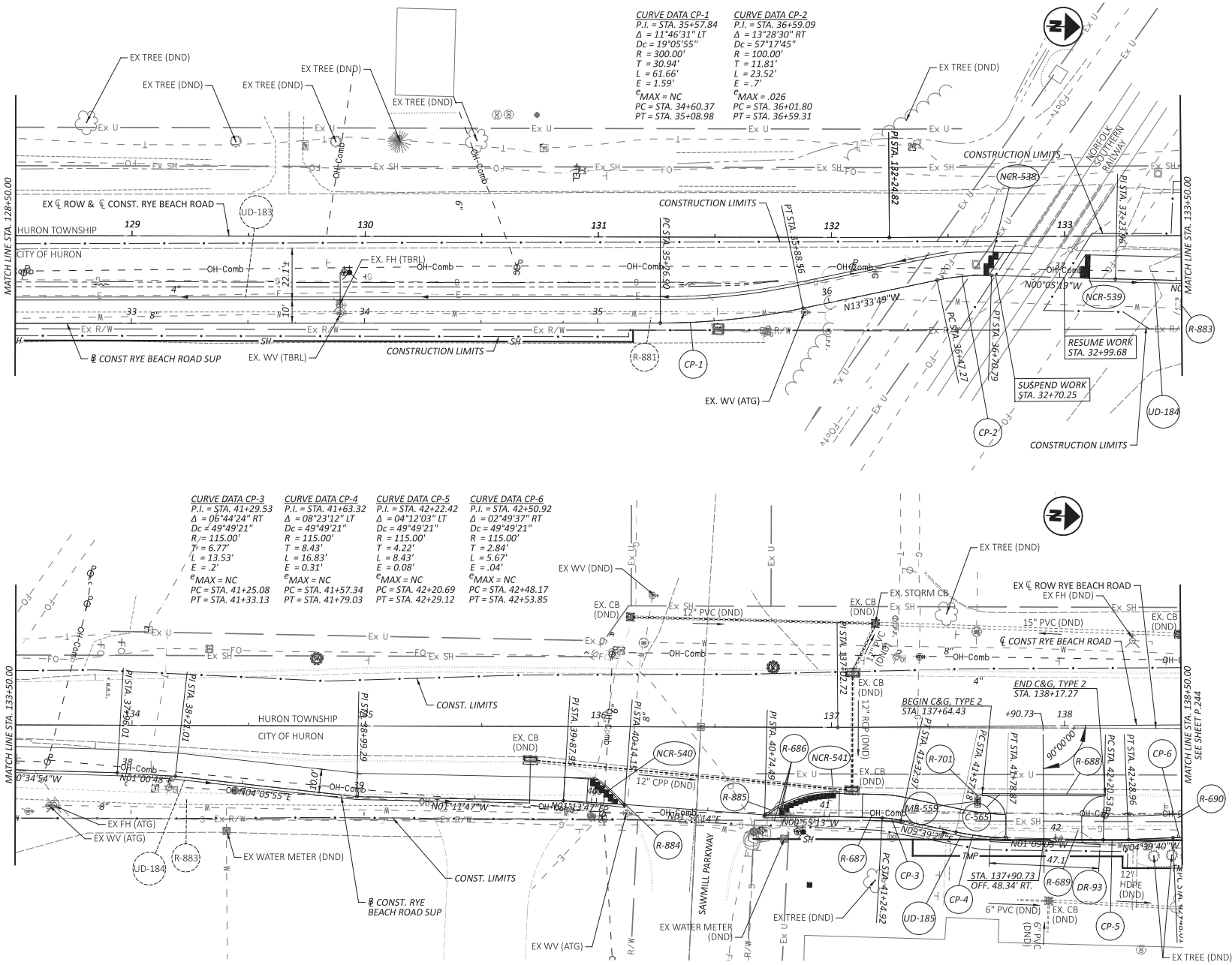
DESIGNER	CLD
REVIEWER	SEO 07/30/25
PROJECT ID	116570
SHEET	P.0404
TOTAL	1088

MODEL: CLP_RyeBeachS - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:52:09 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP005.dgn



SHEET P.0405 | TOTAL 1088	PROJECT ID 116570	REVIEWED GHM 07/30/25	DESIGNED TK	DESIGN AGENCY TRANSYSTEMS 400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215	PLAN - RYE BEACH ROAD SUP RYE BEACH RD. STA. 118+50.00 TO STA. 128+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40



ERI-US 0006-CONNECTIVITY CORRIDOR

PLAN - RYE BEACH ROAD SUP
RYE BEACH RD. STA. 128+50.00 TO STA. 138+50.00

DESIGN AGENCY
TRANSYSTEMS
400 N. ANTHONY BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER TK
REVIEWER GHM 07/30/25
PROJECT ID 116570
SHEET P.0406 TOTAL 1088

MODEL: CLP_RyeBeachS-1 - Plan 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:52:47 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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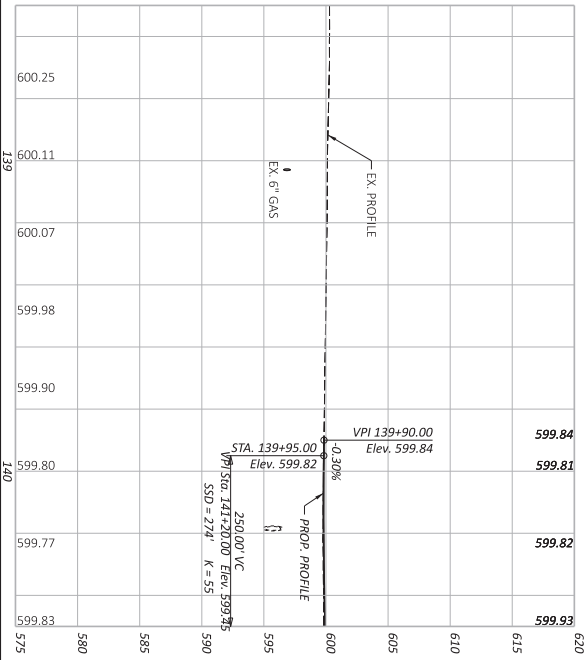
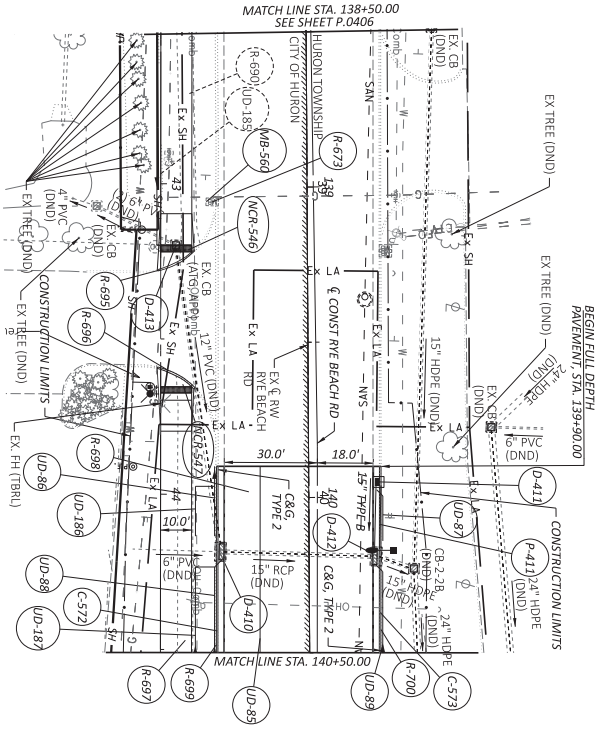




SHEET	TOTAL
P.0412	1088

PROJECT ID: 116570

REVIEWER: GHM 07/30/25

DESIGNER: TK

TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

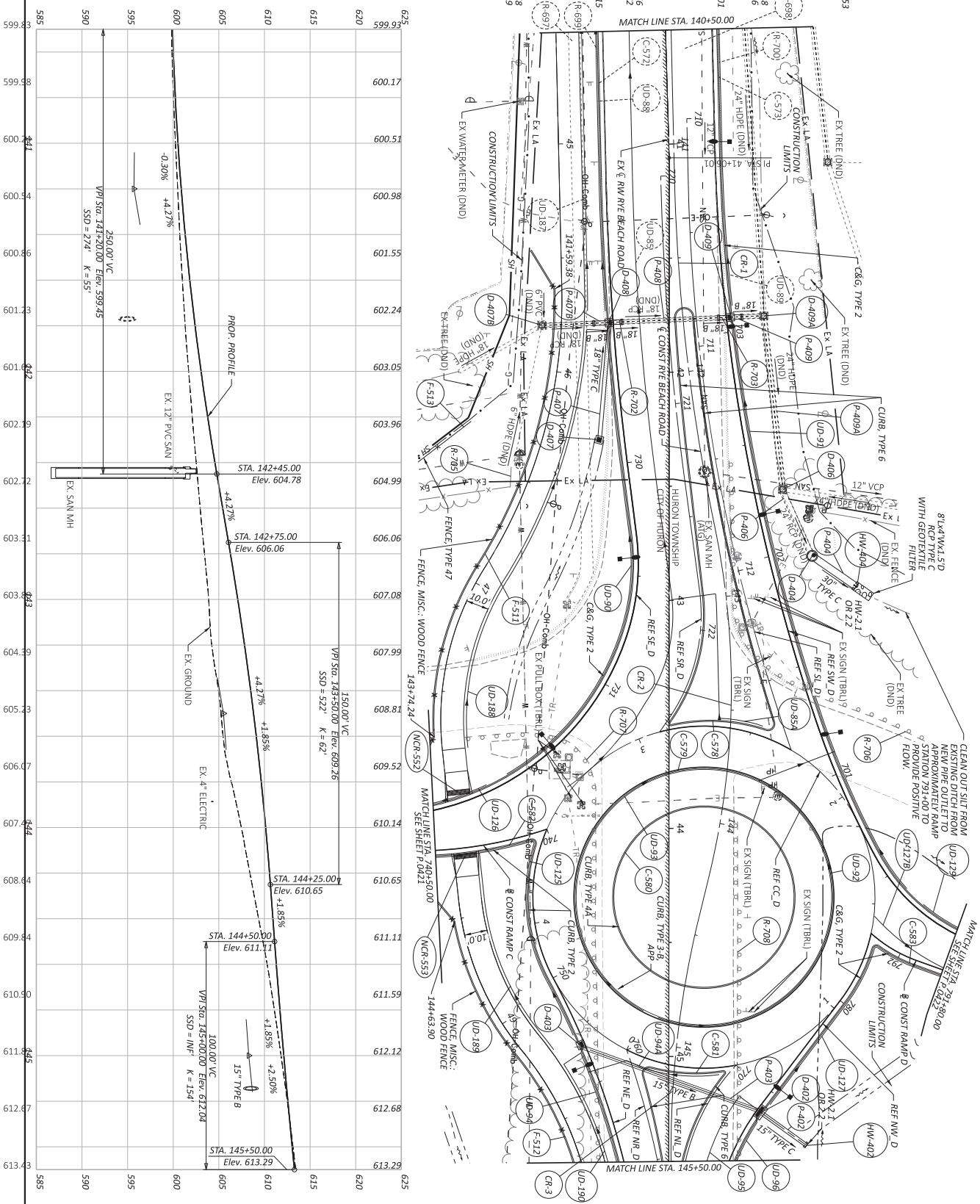
DESIGN AGENCY

PLAN AND PROFILE - RYE BEACH RD
STA. 138+50.00 TO STA. 140+50.00

HORIZONTAL SCALE IN FEET

0 20
10 40

MODEL: CLP_RyeBeach - Plan EB RAB-1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:52:51 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jjwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP004.dgn



SHEET	TOTAL
P.0413	1088

PROJECT ID: 116570

PREPARED: GHM 07/30/25

DESIGNED: TK

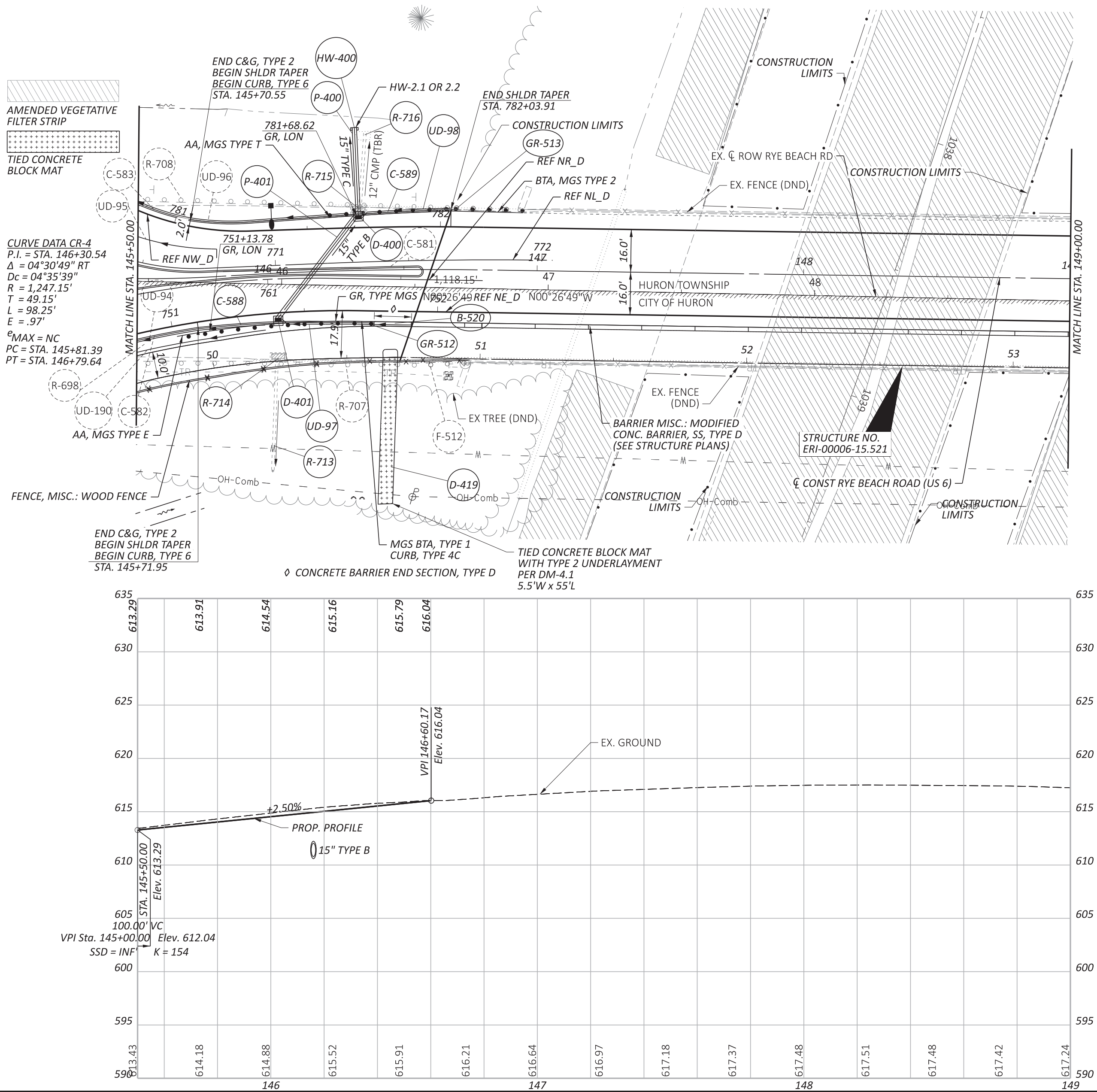
DESIGN AGENCY: TRANSYSTEMS, 400 W. NATIONWIDE BLVD., STE 225, COLUMBUS, OHIO 43215

PLAN AND PROFILE - RYE BEACH RD ROUNDABOUT
STA. 140+50.00 TO STA. 145+50.00

HORIZONTAL SCALE IN FEET
0 20
10 40

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_RyeBeach-1 - Plan EB RAB-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:52:56 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP004.dgn



HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RYE BEACH RD
STA. 145+50.00 TO STA. 149+00.00

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0414
TOTAL	1088

PLAN AND PROFILE - RYE BEACH RD ROUNDABOUT E (US 6)
STA 149+00.00 TO STA 154+00.00

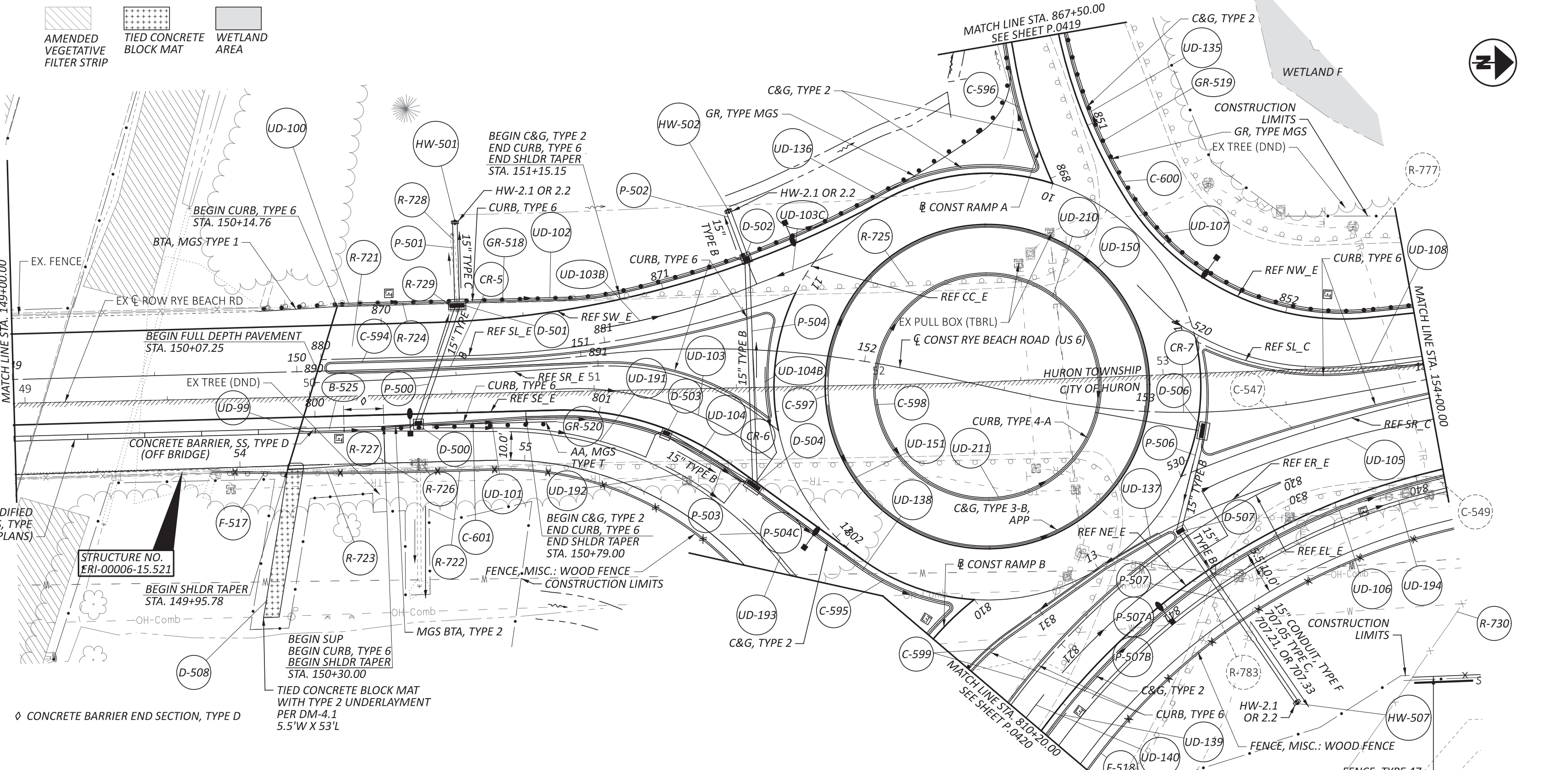
ERI-US 0006-CONNECTIVITY CORRIDOR

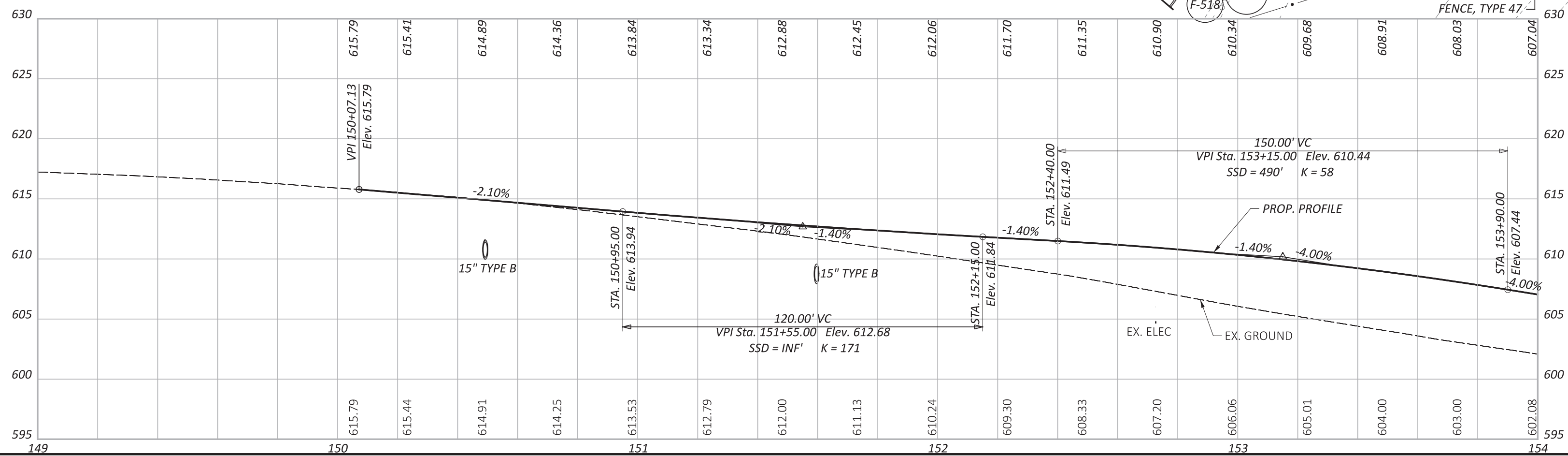
MODEL: CLP_RyeBeachN - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 9:09:50 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP003.dgn

CURVE DATA CR-5
P.I. = STA. 150+68.00
Δ = 04°41'25" LT
Dc = 06°11'21"
R = 925.74'
T = 37.91'
L = 75.78'
E = 0.78'
e_{MAX} = NC
PRC = STA. 150+30.09
PT = STA. 151+05.87

CURVE DATA CR-6
P.I. = STA. 151+63.16
Δ = 18°35'27" LT
Dc = 16°22'13"
R = 350.00'
T = 57.29'
L = 113.57'
E = 4.66'
e_{MAX} = NC
PRC = STA. 151+05.87
PT = STA. 152+19.44

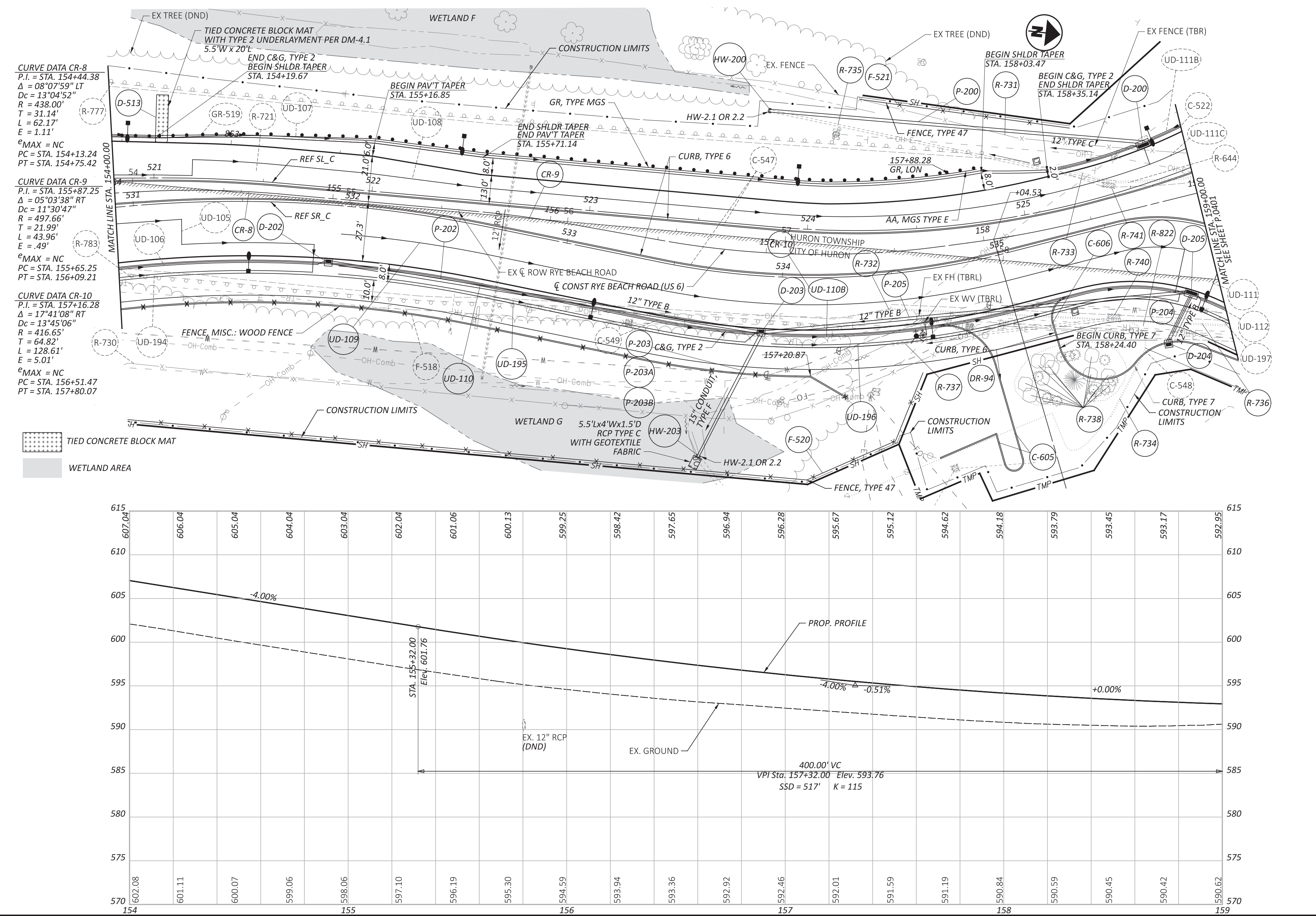
CURVE DATA CR-7
P.I. = STA. 153+09.79
Δ = 22°43'47" LT
Dc = 22°55'06"
R = 250.00'
T = 50.25'
L = 99.18'
E = 5.00'
e_{MAX} = NC
PRC = STA. 152+59.54
PT = STA. 153+58.72





DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225, COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0415
TOTAL	1088



PLAN AND PROFILE - RYE BEACH RD (US 6)
STA 154+00.00 TO STA 159+00.00

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: CLP_RyeBeachN - Plan 3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/14/2025 TIME: 3:30:16 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP003.dgn

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215

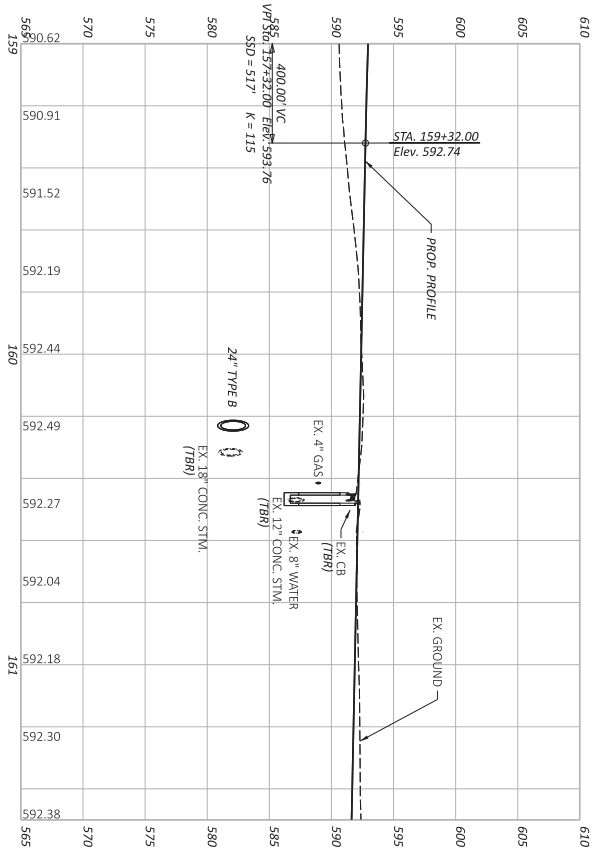
DESIGNER
TK

REVIEWER
GHM 07/30/25

PROJECT ID
116570

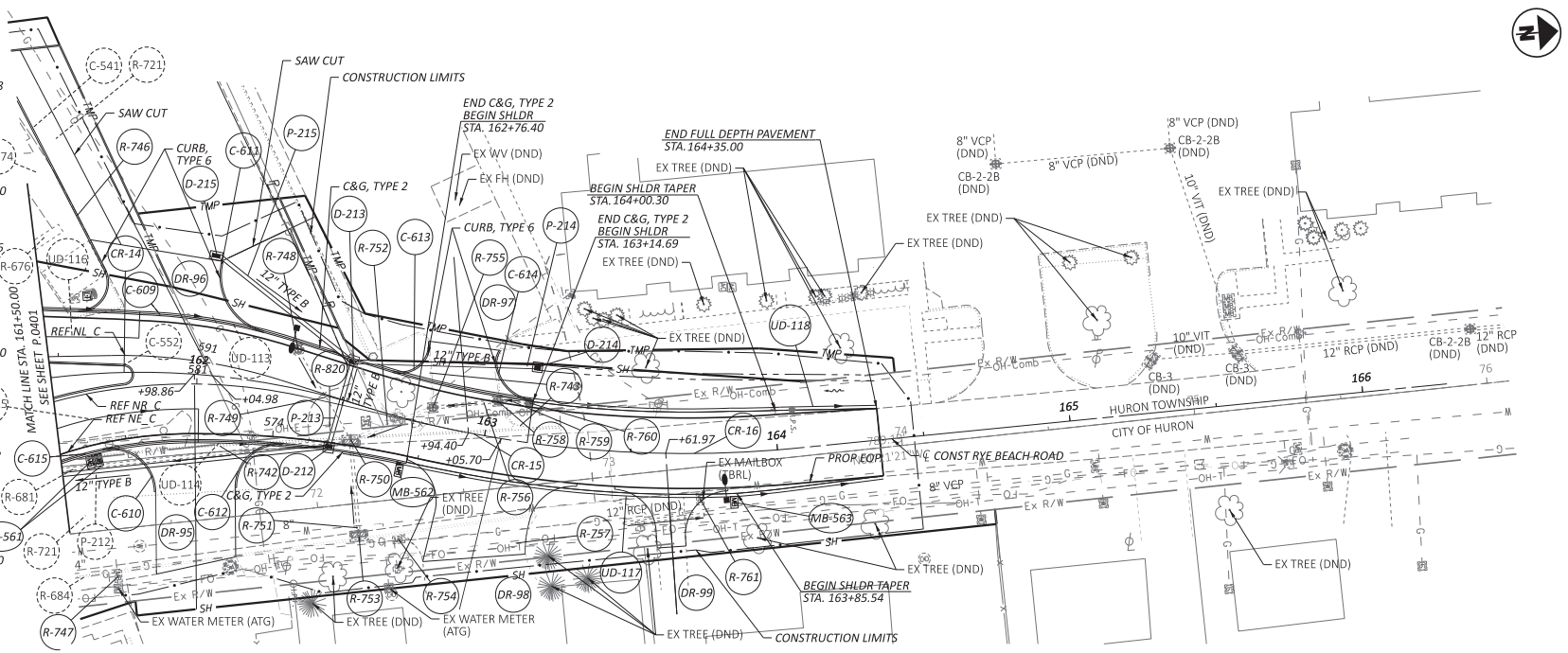
SHEET	TOTAL
P.0416	1088

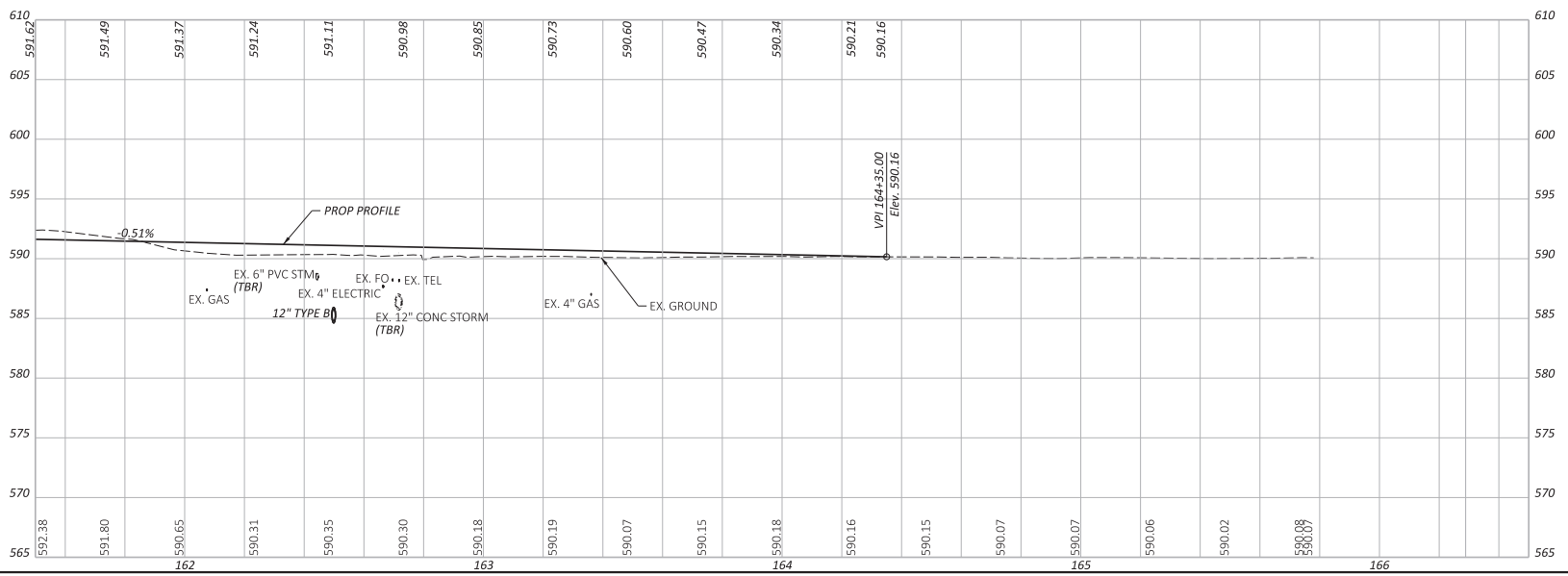
MODEL: PGL_RyeBeachN - Profile 1 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:53:36 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP002.dgn



SHEET P.0417	TOTAL 1088	PROJECT ID 116570	PLOTTED 07/30/25	DESIGNER TK	DESIGN AGENCY TRANSYSTEMS 400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215

PROFILE - RYE BEACH RD
STA. 159+00.00 TO STA. 161+50.00





HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RYE BEACH RD
STA. STA. 161+50.00 TO END

DESIGN AGENCY
TRANSYSTEMS
400 N. WHITTEMORE B.V.D., STE 225
COLUMBUS, OHIO 43215

DESIGNER: TK
REVIEWER: GHM 07/30/25
PROJECT ID: 116570
SHEET: P.0418 | TOTAL: 1088

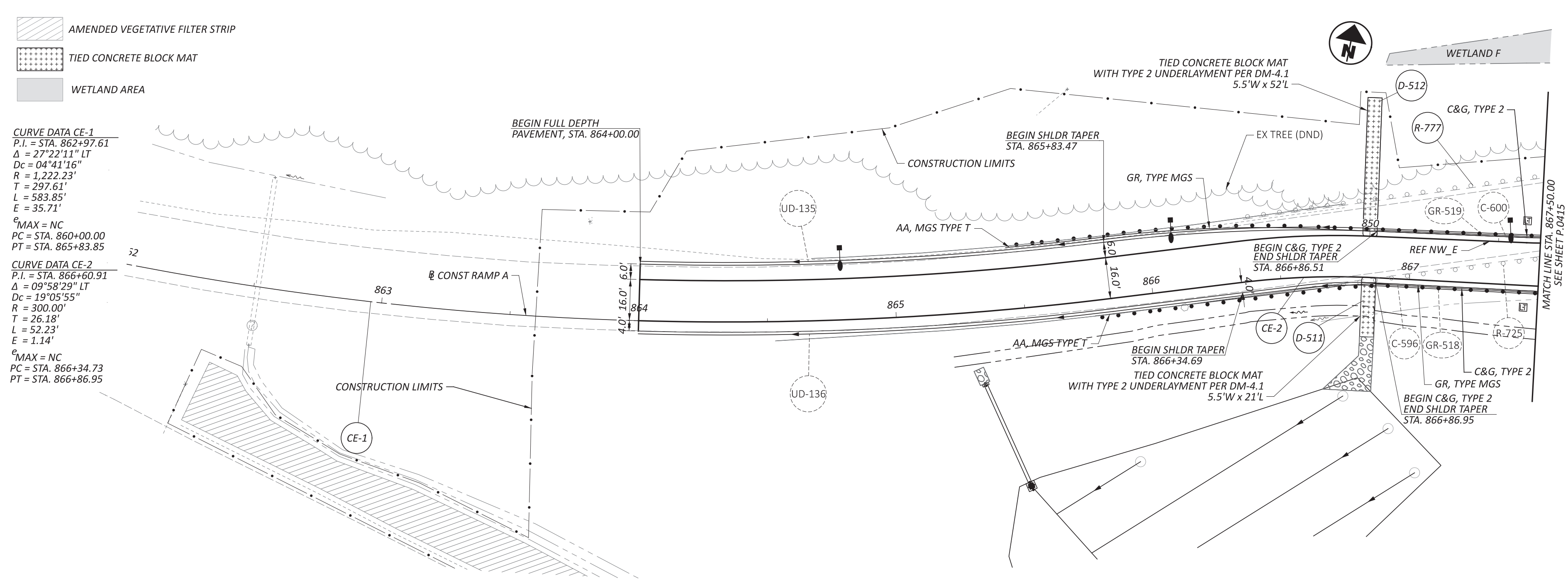
ERI-US 0006-CONNECTIVITY CORRIDOR

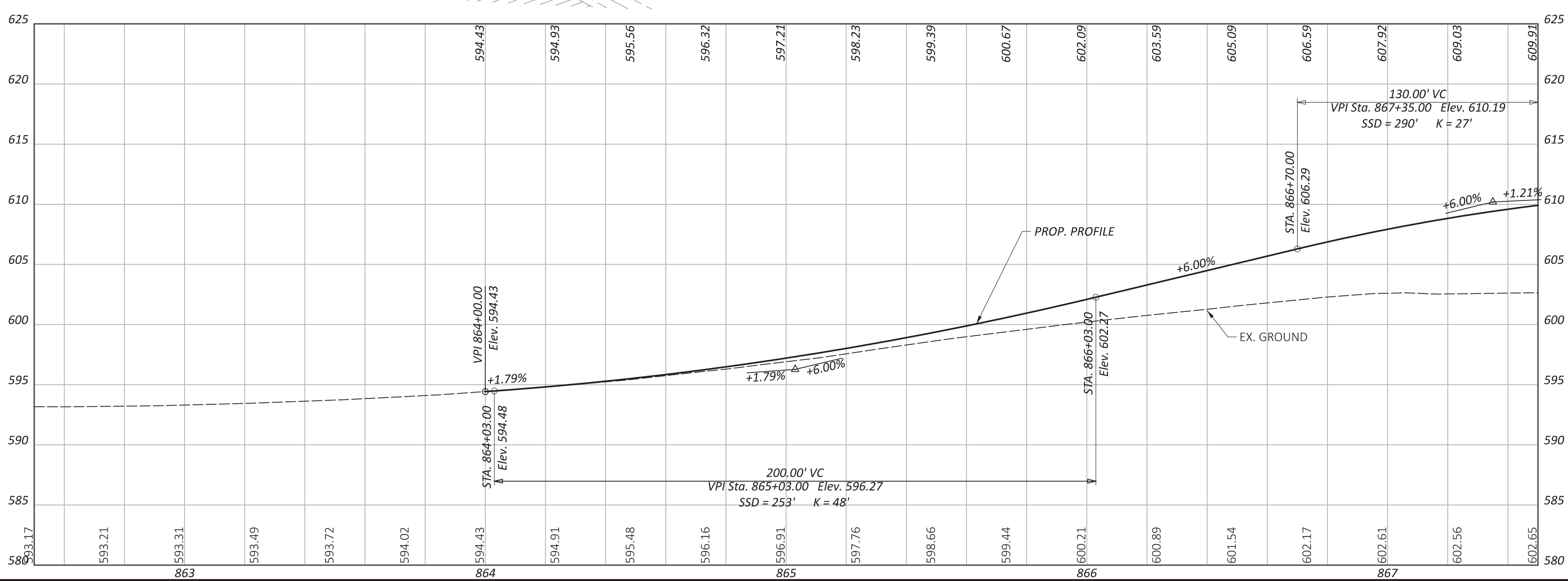
MODEL: CLP_RveBeachN-2 - RYE BEACH PLAN 001 PAPERSIZE: 34x22 (in.) DATE: 7/31/2025 TIME: 11:53:37 PM PLTDRV: OHDOT_PDF_Levels.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gftinc.com WORKSPACE: OHDOTCtx02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohdotcr-pw.bentley.com:ohdotcr-pw-02\Documents\03 Active Projects\District 03\Erie\116570\402 Engineering_Transystems\Roadway\Sheets\116570_GP002.dgn

PLAN AND PROFILE - RAMP A
BEGIN TO STA 867+50.00

ERI-US 0006-CONNECTIVITY CORRIDOR

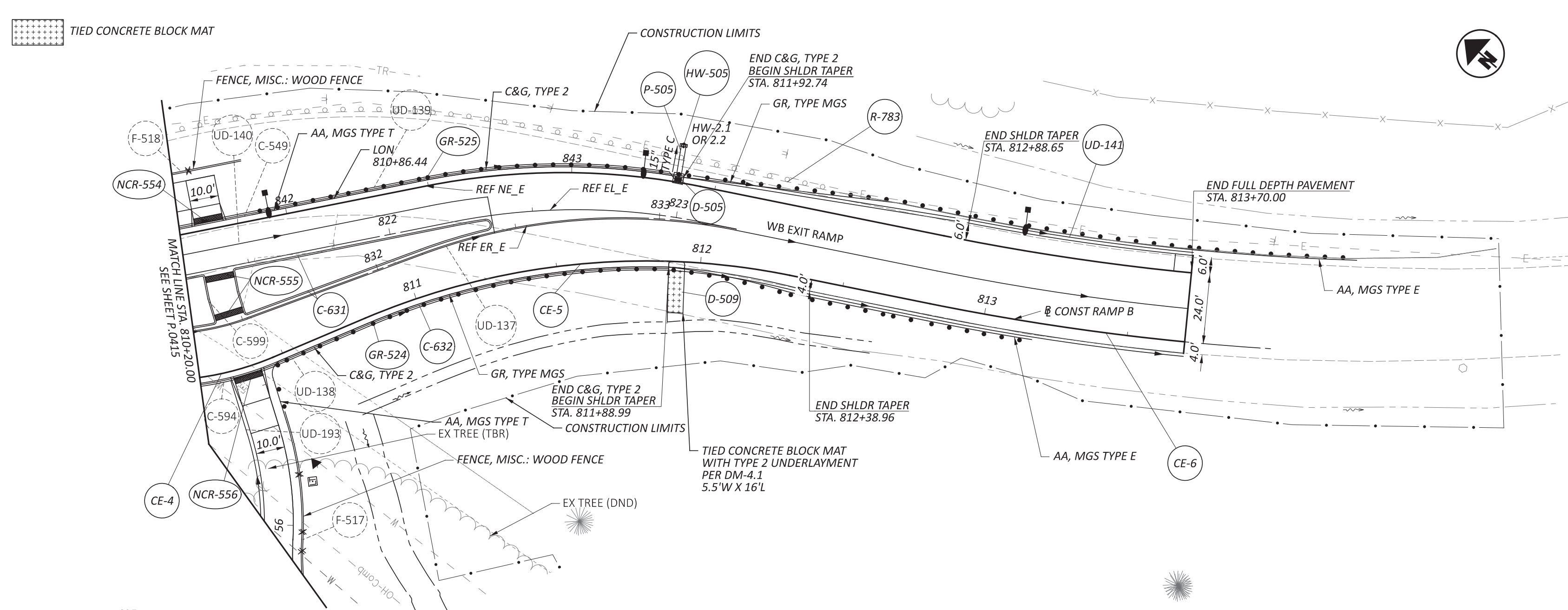
MODEL: CLP_RAMP_A - Plan 2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 10:09:32 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP003.dgn





DESIGN AGENCY	TRANSYSTEMS 400 W. NATIONWIDE BLVD., STE 225 COLUMBUS, OHIO 43215
DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0419
TOTAL	1088

PLAN AND PROFILE - RAMP B
STA 810+20.00 TO END

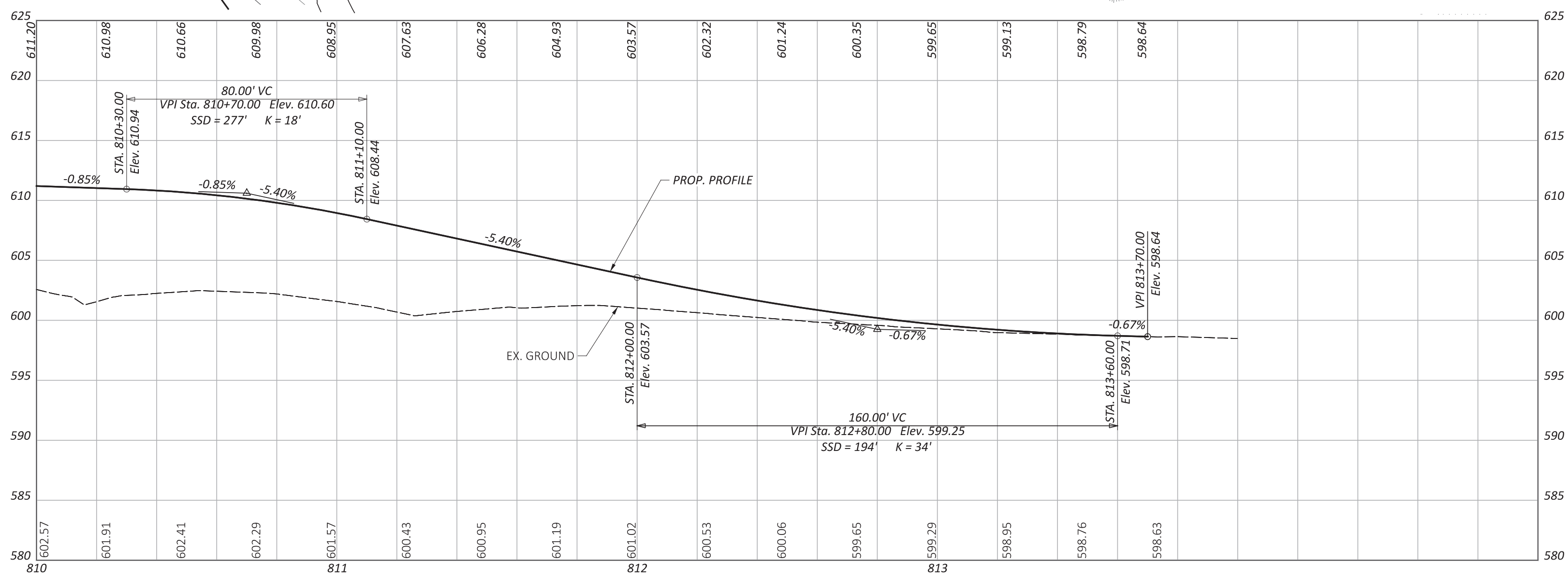


HORIZONTAL SCALE IN FEET
0 10 20 40

CURVE DATA CE-4
P.I. = STA. 810+23.62
Δ = 26°34'36" RT
Dc = 57°17'45"
R = 100.00'
T = 23.62'
L = 46.39'
E = 2.75'
e_{MAX} = NC
PC = STA. 810+00.00
PT = STA. 810+46.39

CURVE DATA CE-5
P.I. = STA. 811+58.49
Δ = 34°23'43" RT
Dc = 22°55'06"
R = 250.00'
T = 77.38'
L = 150.08'
E = 11.7'
e_{MAX} = NC
PC = STA. 810+91.12
PT = STA. 812+31.19

CURVE DATA CE-6
P.I. = STA. 813+40.43
Δ = 07°48'23" RT
Dc = 06°33'52"
R = 872.83'
T = 59.55'
L = 118.92'
E = 2.03'
e_{MAX} = NC
PC = STA. 812+80.88
PT = STA. 813+99.80



ERI-US 0006-CONNECTIVITY CORRIDOR

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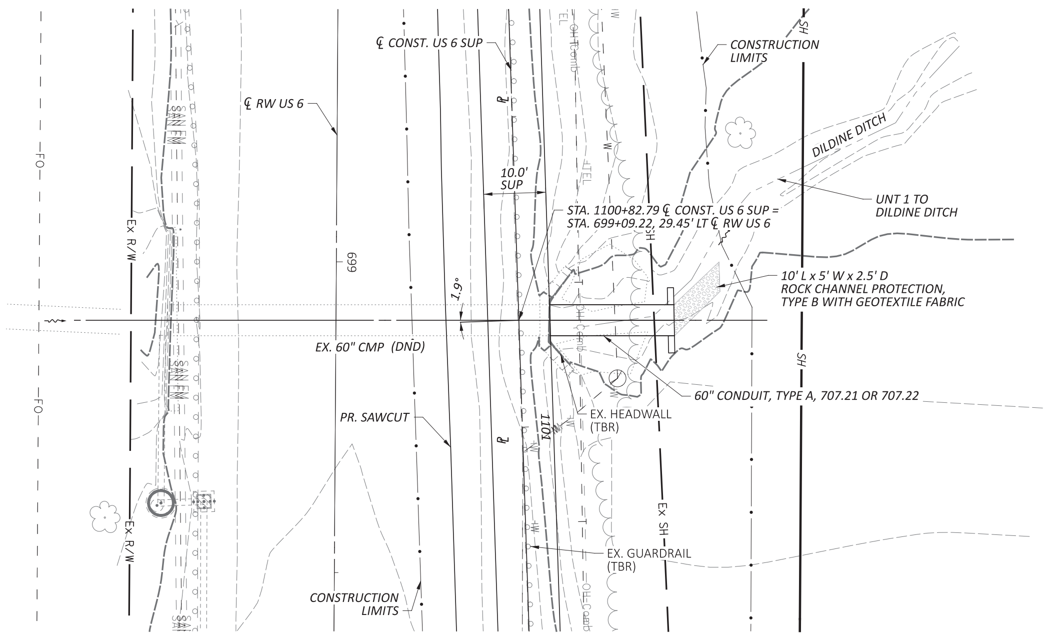
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\Sheets\116570_GP003.dgn

DESIGN AGENCY
TRANSYSTEMS
400 W. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER	TK
REVIEWER	GHM 07/30/25
PROJECT ID	116570
SHEET	P.0420
TOTAL	1088



ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
601	5	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC
602	1.8	CY	CONCRETE MASONRY
611	20	FT	60" CONDUIT, TYPE A, 707.21 OR 707.22

HYDRAULIC DATA

DRAINAGE AREA = 89.6 ACRES

Q (25) = 76.4 CFS V (25) = 7.89 FT/S HW (25) = 582.39 FT

Q (100) = 115 CFS V (100) = 9.12 FT/S HW (100) = 583.45 FT

ORDINARY HIGH WATER MARK: 579.9 FT

DESIGN SERVICE LIFE: 75 YEARS

ABRASION LEVEL: 1

pH: 5.9

EXISTING STRUCTURE

TYPE: CORRUGATED METAL PIPE

SIZE: 60"

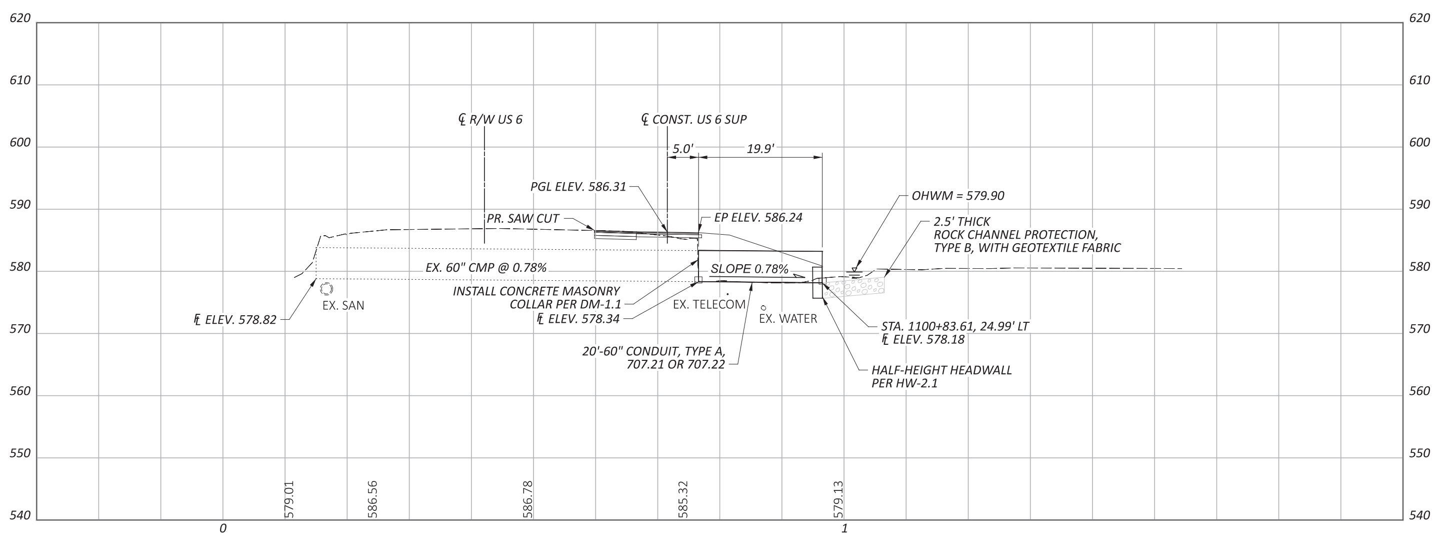
SKEW: 1.9° R.F.

ALIGNMENT: TANGENT

DATE BUILT: UNKNOWN

CONDITION: TO BE EXTENDED

CFN: 1977533

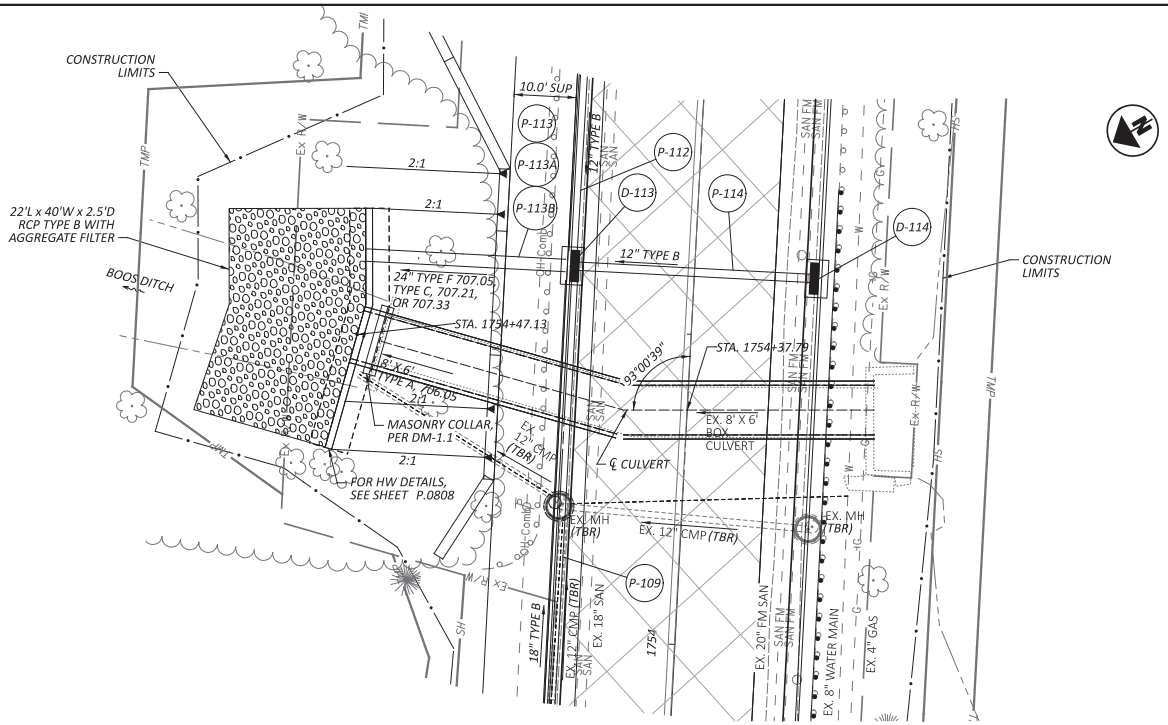


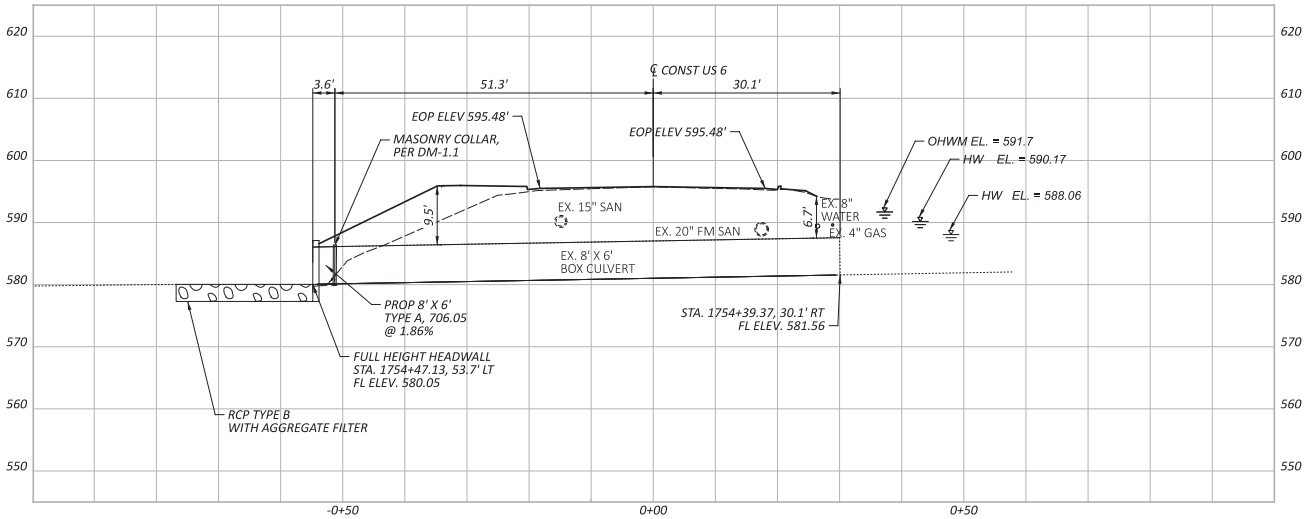
CULVERT DETAILS
US 6 STA. 699+09.22

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: Culvert Plan 1977533 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/14/2025 TIME: 4:01:34 PM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 03\Erie\116570\402-Engineering_TranSystems\Roadway\EngData\IW\116570_DC103.dgn

DESIGN AGENCY	OHM
DESIGNER	EJC
REVIEWER	BLS 07/30/25
PROJECT ID	116570
SUBSET / TOTAL	1 / 1
SHEET / TOTAL	P.0804 / 1088





HYDRAULIC DATA

DRAINAGE AREA = 985.6 ACRES
Q (4% AEP) = 341 CFS V (4% AEP) = 8.51 FT/S HW (4% AEP) = 588.06 FT
Q (1% AEP) = 488 CFS V (1% AEP) = 9.39 FT/S HW (1% AEP) = 590.17 FT
ORDINARY HIGH WATER MARK: 591.7 FT
DESIGN SERVICE LIFE: 75 YEARS
ABRASION LEVEL: 1
pH: 6.4

EXISTING STRUCTURE

TYPE: BOX CULVERT
SIZE: 8' X 6'
SKEW: 93°00'39"
ALIGNMENT: TANGENT
DATE BUILT:
CONDITION: GOOD
CFN: 1832187

PROPOSED STRUCTURE

TYPE: BOX CULVERT
SIZE: 8' X 6'
SKEW: 93°00'39"
ALIGNMENT: TANGENT
DATE BUILT:
CFN: 1832187

HORIZONTAL SCALE IN FEET
0 5 10 20

CULVERT DETAILS
US 6 STA. 1754+38

DESIGN AGENCY
TRANSYSTEMS
400 N. NATIONWIDE BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER NLD
REVIEWER MHT 07/30/25
PROJECT ID 116570
SHEET P.0806 TOTAL 1088

ERI-US 0006-CONNECTIVITY CORRIDOR

MODEL: Culvert 754+38 - Plan [Sheet] PAPERSIZE: 34x22 (in.) DATE: 10/10/2025 TIME: 9:57:48 AM PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jiwilson@gftinc.com WORKSPACE: OHDOTCE-v02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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MODEL: CLP_3 - 757+00.00 | Sheet | PAPERSIZE: 34x22 (in.) | DATE: 10/14/2025 TIME: 3:44:14 PM | PLTDRV: OHDOT_PDF.pltcfg PENTBL: OHDOT_Pen.tbl USER: jwilson@gftinc.com WORKSPACE: OHDOTCEv02 WORKSET: 116570 PRODUCT: OpenRoadsDesigner 24.00.00.205
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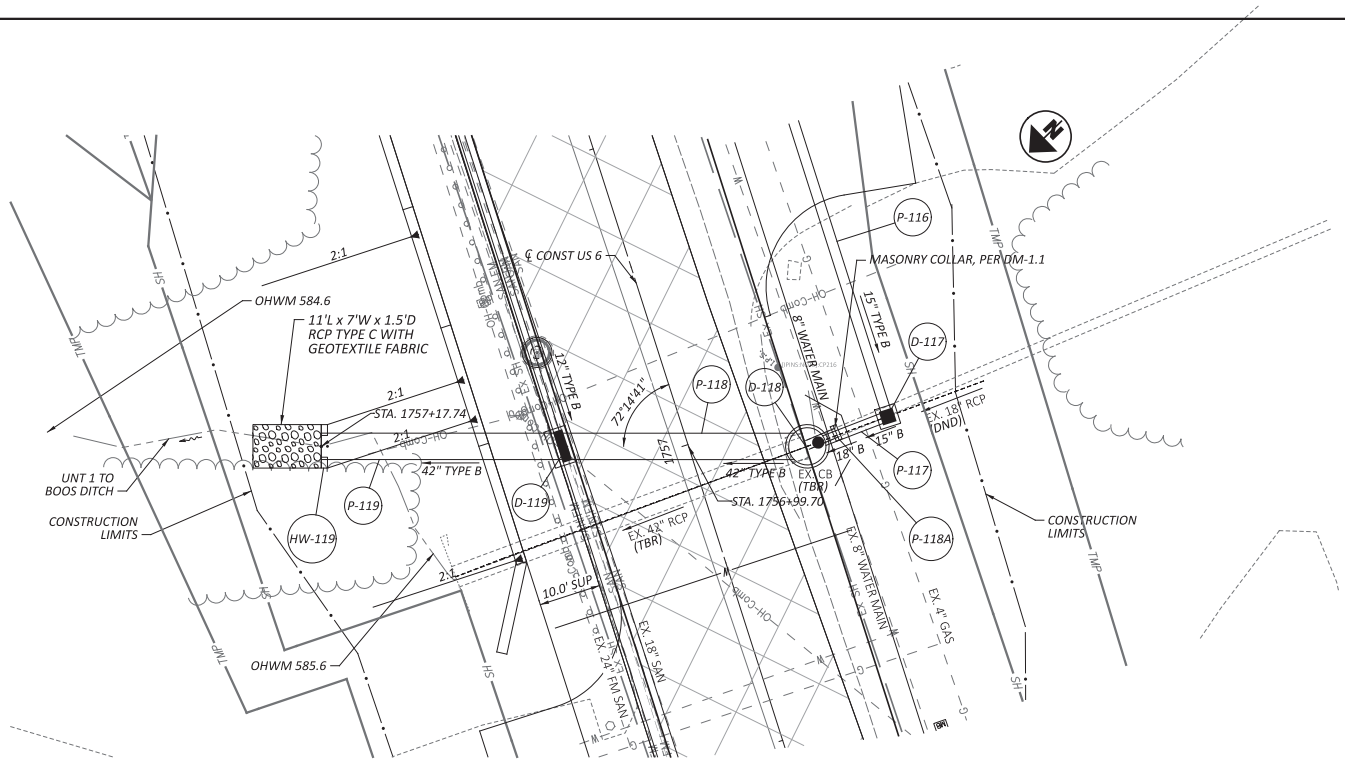

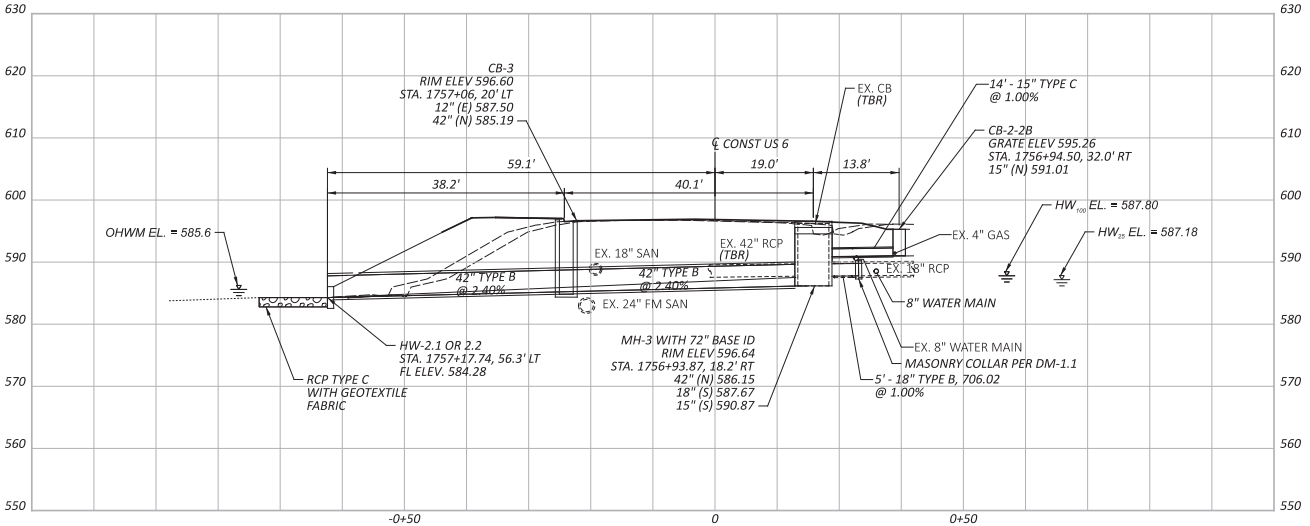

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
601	4	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC
602	0.92	CY	CONCRETE MASONRY
611	78	FT	42" CONDUIT, TYPE B

TOTALS CARRIED TO CULVERT SUBSUMMARY SHEET

HYDRAULIC DATA

DRAINAGE AREA = 2.49 ACRES

Q (4% AEP) = 6.92 CFS V (4% AEP) = 8.64 FT/S HW (4% AEP) = 587.18 FT

Q (1% AEP) = 8.20 CFS V (1% AEP) = 0.85 FT/S HW (1% AEP) = 587.80 FT

ORDINARY HIGH WATER MARK: 585.6 FT

DESIGN SERVICE LIFE: 75 YEARS

ABRASION LEVEL: 1

pH: 7

PROPOSED STRUCTURE

TYPE: CIRCULAR, TYPE B

SIZE: 42"

SKEW: 72°14'41"

ALIGNMENT: TANGENT

DATE BUILT:

CONDITION: GOOD

CFN: 1995422

HORIZONTAL SCALE IN FEET
0 5 10 20

CULVERT DETAILS
US 6 STA. 1757+00

DESIGN AGENCY
TRANSYSTEMS
400 N. WOLFINGER BLVD., STE 225
COLUMBUS, OHIO 43215

DESIGNER NLD

REVIEWER MHT 07/30/25

PROJECT ID 116570

SHEET P.0811 TOTAL 1088