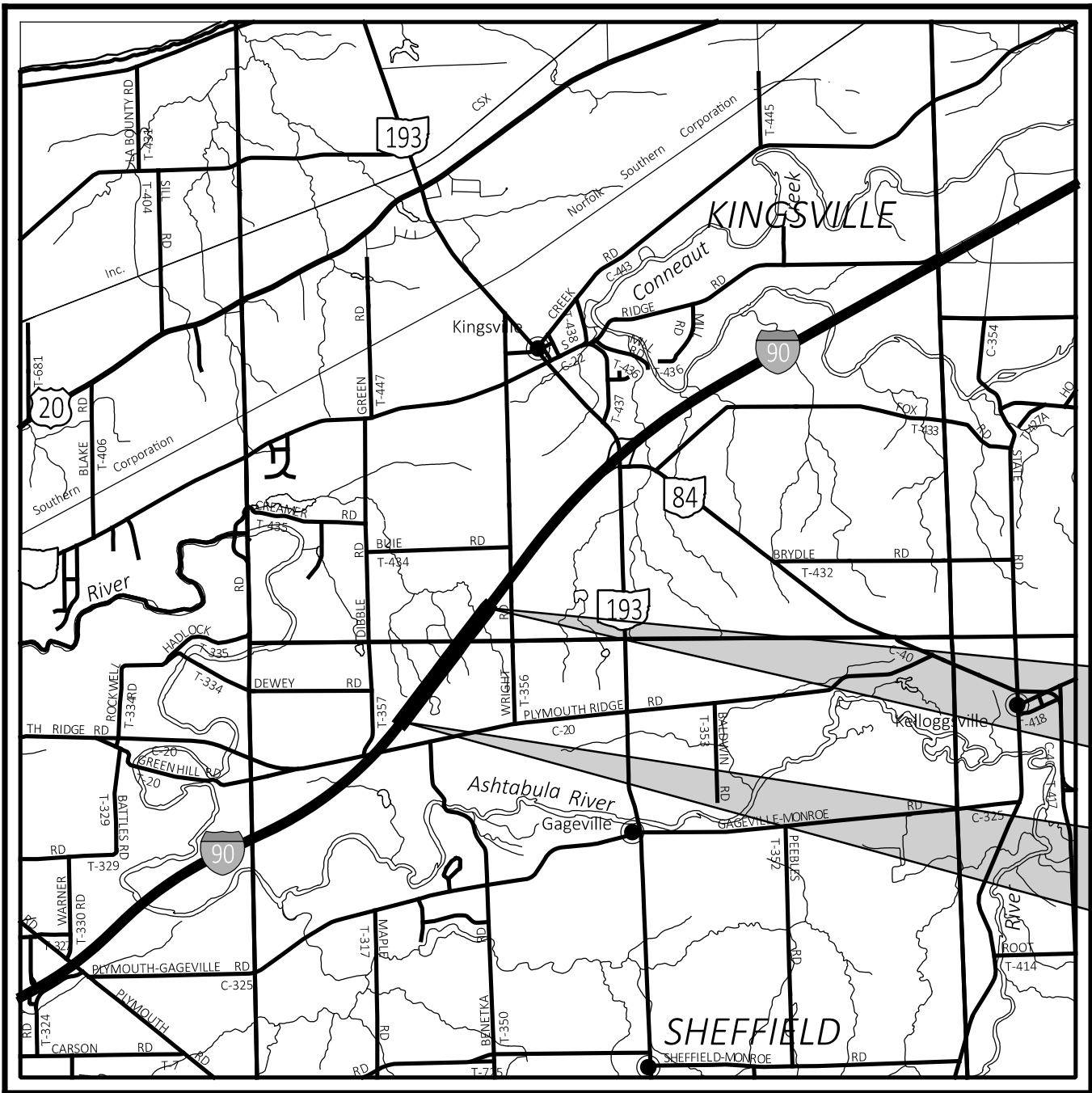




LOCATION MAP

LATITUDE: 41°51'35" N LONGITUDE: 80°41'22" W - EASTBOUND
LATITUDE: 41°51'53" N LONGITUDE: 80°41'13" W - WESTBOUND

PORTION TO BE IMPROVED	
INTERSTATE HIGHWAY	
FEDERAL ROUTES	
STATE ROUTES	
COUNTY & TOWNSHIP ROADS	
OTHER ROADS	

DESIGN DESIGNATION

CURRENT ADT (2027)	29,000
DESIGN YEAR ADT (2047)	35,000
DESIGN HOURLY VOLUME (2047)	3,500
DIRECTIONAL DISTRIBUTION	55%
TRUCKS (24 HOUR B&C)	27%
DESIGN SPEED	70 mph
LEGAL SPEED	70 mph
DESIGN FUNCTIONAL CLASSIFICATION:	
1 PRINCIPAL ARTERIAL INTERSTATE/RURAL	
NHS PROJECT	YES

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig

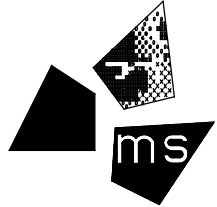
OHIO811.org

Before You Dig

OHIO811. 8-1-1, or 1-800-362-2764

(Non members must be called directly)

PLAN PREPARED BY:



ms consultants, inc.
ENGINEERS, ARCHITECTS & PLANNERS
333 E. FEDERAL STREET
YOUNGSTOWN, OHIO 44503
PHONE (330) 744-5321



INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2 - P.3
TYPICAL SECTIONS	P.4 - P.7
GENERAL NOTES	P.8 - P.9
MAINTENANCE OF TRAFFIC	P.10 - P.11
GENERAL SUMMARY	P.12 - P.14
SUB-SUMMARIES	P.15 - P.19
PROJECT SITE PLANS	P.20 - P.21
PLAN AND PROFILE SHEETS - EASTBOUND TRUCK PARKING	P.22 - P.31
PLAN AND PROFILE SHEETS - WESTBOUND TRUCK PARKING	P.32 - P.40
CROSS SECTIONS - EASTBOUND TRUCK PARKING	P.41 - P.77
CROSS SECTIONS - WESTBOUND TRUCK PARKING	P.78 - P.112
PAVEMENT DETAILS - EASTBOUND TRUCK PARKING	P.113 - P.121
PAVEMENT DETAILS - WESTBOUND TRUCK PARKING	P.122 - P.129
STORM SEWER PROFILES	P.130 - P.132
TRAFFIC CONTROL	P.133 - P.152
LIGHTING	P.153 - P.166
GEOTECHNICAL PROFILE	P.167 - P.182

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
HL-10.11	1/16/26	MT-101.60	1/17/25	TC-73.20	1/16/26	RM-5.1	7/18/14		
HL-10.12	1/16/26	MT-101.90	7/17/20					800-2023	1/16/26
HL-10.13	1/20/23	MT-104.10	1/19/24	BP-2.5	1/16/26	CB-3A	1/16/26	807	1/17/25
HL-10.31	1/16/26	MT-105.10	1/17/20	BP-3.1	1/19/24	CB-8	7/19/24	808	7/19/24
HL-20.11	1/16/26			BP-5.1	1/16/26			813	7/21/23
HL-20.21	1/16/26	TC-41.10	1/16/26	BP-6.1	7/19/13	DM-1.1	1/17/25	821	4/20/12
HL-30.11	1/16/26	TC-41.20	10/18/13			DM-1.2	1/17/25	825	7/19/24
HL-30.21	4/17/20	TC-41.30	4/21/23	MGS-2.1	1/16/26	DM-4.3	1/15/16	832	7/18/25
HL-40.20	7/18/25	TC-42.10	10/18/13	MGS-4.2	7/18/25	DM-4.4	1/15/16	850	7/21/23
HL-60.11	7/21/17	TC-42.20	10/18/13	MGS-5.2	7/15/16			872	1/17/25
HL-60.21	7/20/18	TC-51.11	7/18/25	MGS-5.3	7/15/16	I-2A	7/19/24	902	1/16/26
HL-60.31	1/16/26	TC-52.10	10/18/13					908	1/17/25
		TC-52.20	1/15/21	F-1.1	7/18/25	MH-3	7/19/24	913	4/16/21
MT-95.30	7/18/25	TC-65.10	1/16/26	F-3.3	7/19/13			921	7/19/24
MT-95.45	7/21/23	TC-65.11	1/17/25	F-3.4	7/19/13				
MT-98.29	1/17/20	TC-72.20	1/16/26	F-3.5	1/16/26				

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF NEW TRUCK PARKING FACILITIES ON I.R. 90 EASTBOUND AND WESTBOUND, LOCATED APPROXIMATELY 0.6 MILES EAST OF PLYMOUTH RIDGE ROAD AND 0.5 MILES WEST OF SOUTH WRIGHT STREET. SITE DEVELOPMENT IMPROVEMENTS INCLUDE FULL DEPTH PAVEMENT FOR NEW ENTRANCE/EXIT RAMPS AND PARKING AREA. IMPROVEMENTS ALSO INCLUDE STORM SEWER, SIGNING AND PAVEMENT MARKINGS, AND LIGHTING.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	15.97 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	3.12 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	19.09 ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN 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 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

Arthur G. Noiro Jr., P.E.
District 04 Deputy Director

Pamela Boratyn
Director, Department of Transportation

2026-09-28
ADDED
SPECIAL
PROVISION

ENGINEER'S SEAL

ROADWAY



DESIGN AGENCY	
DESIGNER	CJR
REVIEWER	TSB 04/27/26
PROJECT ID	122876
SHEET	P.1
TOTAL	182

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.

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.

FENCE REPLACEMENT (AS DIRECTED)

IN THE EVENT THAT PORTIONS OF THE EXISTING CHAIN LINK FENCE ARE DETERMINED TO NEED REPLACEMENT, THE FOLLOWING CONTINGENCY QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 202 FENCE REMOVED	300 FT
ITEM 202 GATE REMOVED	1 EACH
ITEM 607 FENCE, TYPE CLT	300 FT
ITEM 607 GATE, TYPE CLT	1 EACH
ITEM 607 FENCELINE SEEDING AND MULCHING	350 FT

ITEM SPECIAL - PIPE CLEANOUT

THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

CLEANOUT OF THE PIPE IS PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL, PIPE CLEANOUT. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

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

ITEM SPECIAL, PIPE CLEANOUT, 24" AND UNDER	260 FT
ITEM SPECIAL, PIPE CLEANOUT, 27" TO 48"	1010 FT

CONDUIT VERIFICATION PRIOR TO FINAL ACCEPTANCE

IMMEDIATELY PRIOR TO FINAL INSPECTION PER C&MS 109.12.A, THE CONTRACTOR SHALL PERFORM A SECOND PERFORMANCE INSPECTION OF ALL CONDUITS AND DRAINAGE STRUCTURES PER THE REQUIREMENTS OF C&MS 611.12. AS PART OF THIS INSPECTION, THE CONTRACTOR SHALL IDENTIFY AND CLEAN ANY CONDUIT OR DRAINAGE STRUCTURES FOUND TO HAVE DIRT, DEBRIS OR ANY OTHER FOREIGN MATTER PRESENT. PROVIDE A REPORT DETAILING THE FINDINGS ALONG WITH THE VIDEO OF THE INSPECTION THAT DOCUMENTS THE CLEAN CONDITION. PAYMENT FOR THIS WORK IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 ITEMS.

POST CONSTRUCTION STORM WATER TREATMENT

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

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

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 611, 6" CONDUIT, TYPE F	20 FT
------------------------------	-------

ENVIRONMENTAL REQUIREMENTS

THIS PROJECT HAS BEEN DEVELOPED UNDER THE FEDERAL NATIONAL ENVIRONMENTAL POLICY ACT. THE ENVIRONMENTAL COMMITMENTS SPECIAL PROVISIONS IN THIS PLAN PACKAGE INCLUDE ENVIRONMENTAL COMMITMENT REQUIREMENTS THAT ARE TO BE STRICTLY ADHERED TO DURING PROGRESS OF THE WORK.

R1 2026-09-28
ENVIRONMENTAL COMMITMENTS NOTES REMOVED
ENVIRONMENTAL REQUIREMENTS ADDED

PIT LATRINE FACILITIES

- PIT LATRINES, ASSOCIATED SIDEWALK AND CURB RAMPS WILL BE INSTALLED VIA SEPARATE CONTRACT.
- IT MAY BE NECESSARY FOR PIT LATRINE WORK TO TAKE PLACE SIMULTANEOUS TO PARKING LOT CONSTRUCTION. CONTRACTORS MUST COORDINATE SCHEDULES, SITE ACCESS, AND AREAS FOR STAGING AS NEEDED.
- PIT LATRINE FOOTPRINT SIZE, LOCATION AND ORIENTATION (SHOWN IN THESE PLANS AS BY OTHERS) SHOULD BE CONSIDERED APPROXIMATE. ACTUAL INSTALLATION MAY DIFFER. HOWEVER THE WORK WILL BE ENTIRELY BEHIND THE PARKING LOT CURB AND WILL NOT IMPACT THE PARKING LOT.
- PIT LATRINE PLANS WILL BE PROVIDED FOR REFERENCE WHEN AVAILABLE.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E, AS PER PLAN

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE E TANGENTIAL END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

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. 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. 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.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

WHEN THE FACE OF THE ADJACENT (ATTACHED) GUARDRAIL IS LESS THAN 4' OFFSET FROM THE PROPOSED EDGE LINE, AND PERMITTING SITE CONDITIONS EXIST: THE PROPOSED TYPE E ANCHOR ASSEMBLY SHALL BE INSTALLED AT A CONSISTENT FLARE RATE THROUGH THE FULL LENGTH OF THE SYSTEM. THE FLARE RATE SHALL BE A MAXIMUM OF 25:1 (RESULTING IN A 2' OFFSET). THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SHOP DRAWINGS, PRODUCT INSTALLATION MANUAL/GUIDANCE, AND AS DIRECTED BY THE ENGINEER.

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.

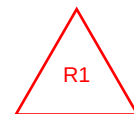
SPECIAL PROVISIONS

Environmental Commitments

**C-R-S: ATB-IR 90 Vacant
Rest Areas**

PID: 122876

DATE: 9/24/2026



2026-09-29

Notice: this project has been developed under the federal national environmental policy act. The following requirements on the work are mandated to be carried out by the contractor in order to remain compliant with applicable laws. Failure of the contractor to adhere to the requirements listed will result in work stoppage, penalties, project delay, and fines.

Environmental Commitments

1. The project is located within the known habitat ranges of the federally endangered Indiana bat and northern long-eared bat, and the state endangered little brown and tricolored bats. No trees shall be removed under this project from April 1 through September 30. All necessary tree removal shall occur from October 1 through March 31. This requirement is necessary to avoid and minimize those impacts to these species as required by the Endangered Species Act and ORC 1531.25. For the purpose of this note, a tree is defined as a live, dying, or dead woody plant, with a trunk three inches or greater in diameter at a height of 4.5 feet above the ground surface, and with a minimum height of 13 feet.
2. ODOT will acquire all necessary waterway permits prior to the start of construction. Conditions of these permits will be provided in the contract as Special Provisions. ODOT will provide the waterway permits to the Contractor at the pre-construction meeting. The Contractor is responsible for following all the Special Provisions of the waterway permits throughout the duration of the contract.

Project Inspection

1. Inspection of Work may include inspection by ODOT and 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.

Waterway Permits

1. Time Restrictions:

A Nationwide Permit #39 (Commercial and Institutional Developments) (NWP #39) is authorized for ATB-IR 90 Vacant Rest Areas, PID 122876. A copy of the NWP and authorization letter (ID LRH-2026-00761-ASH-Unnamed Tributary to Ashtabula River) shall be kept at the work site at all times and made available to all contractors and subcontractors. The permit is effective starting: **September 23, 2026**. The permit expires: **March 15, 2031**.

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 Pre-Construction Notification were approved by the USACE in accordance with NWP 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)
None		None

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 attached Table 2 includes detailed fill quantities authorized 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. X 18 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 is incidental to work.

7. Temporary Fill Activities:

Temporary fill in aquatic resources is not authorized for this project. Temporary fill includes, but is not limited to, causeways, work pads, cofferdams, sheet piling, temporary bridges, and construction equipment. Any unauthorized temporary impacts that occur will be in violation of Section 404 and 401 of the Clean Water Act.

8. 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 jurisdictional waters of the U.S. 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

9. 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.

10. 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 has been attached to these Special Provisions.

Version: July 2026

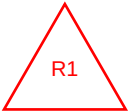
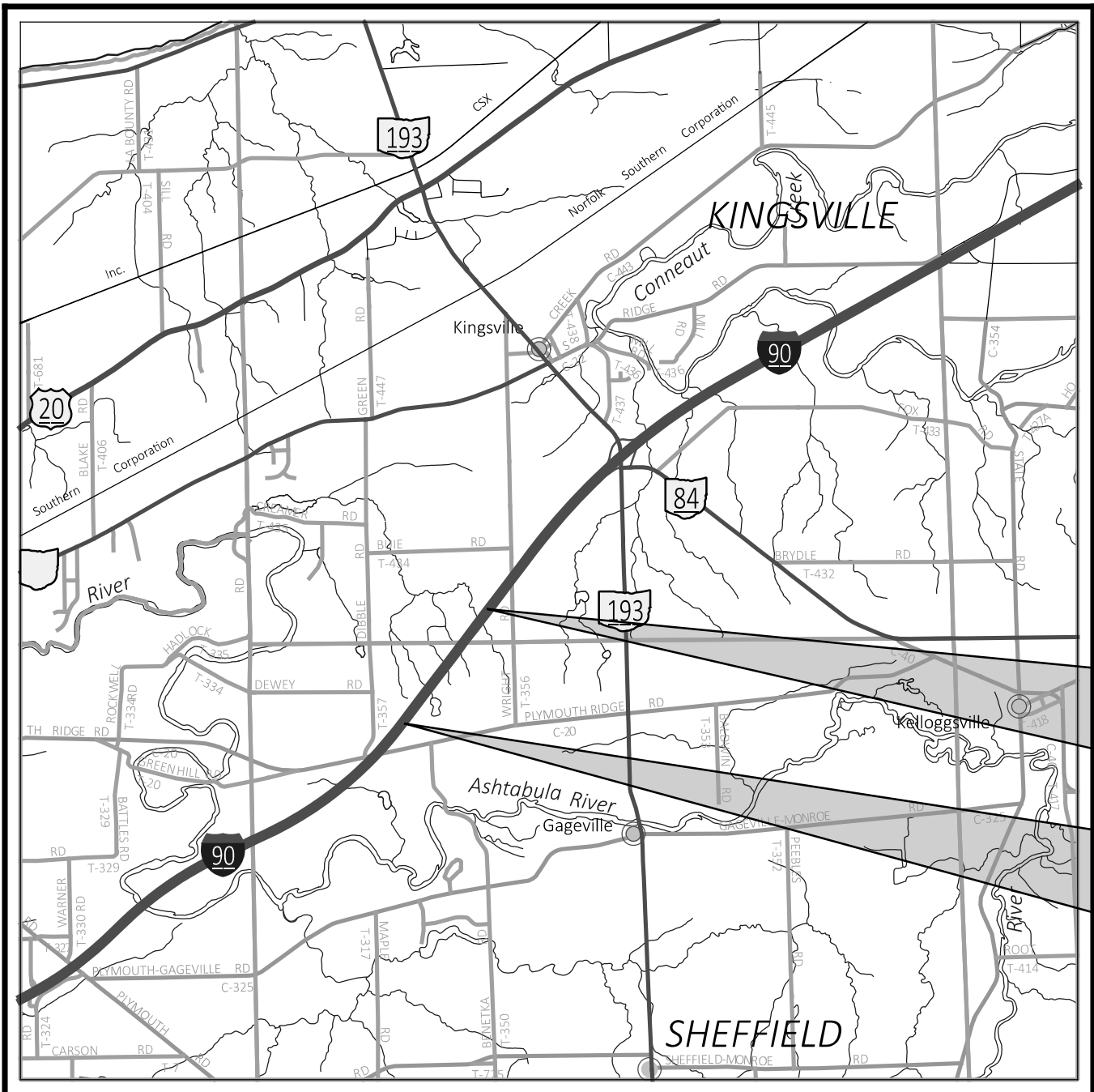


TABLE 2. WETLAND DISCHARGE AND FILL QUANTITIES

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 RCP		Proposed Earthen, Granular, or Embankment Fill						
					Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)	Volume (CY)	Area (AC)
Wetland B	STA 119+25 RT	Grading (Ramp Reconfiguration, Slope, Embankment)	1.1	1	0	0	0	0	0.06	97	0.06	97	0	0	0.06
Wetland D	STA-113+62 RT	Grading (Ramp Reconfiguration, Slope, Embankment) Concrete Block Matt	0.31	1	0.003	5	0	0	0.005	8	0.008	13	0	0	0.008
	STA 113+86 RT	Stormwater Outfall (Earthen Fill / Outfall/ RCP)		1	0.001	2	0.001	2	0.007	11	0.009	15	0	0	0.009
Wetland E	STA 205+94 LT	Grading (Ramp Reconfiguration, Slope, Embankment) Concrete Block Matt	5.86	1	0.001	2	0	0	0.111	179	0.112	181	0	0	0.112
	STA 209+56 LT	Grading (Ramp Reconfiguration, Slope, Embankment)		1	0	0	0	0	0.001	2	0.001	2	0	0	0.001
SUM:					0.005	9	0.001	2	0.184	297	0.19	308	0	0	0.19

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



LOCATION MAP

LATITUDE: 41°51'35" N LONGITUDE: 80°41'22" W - EASTBOUND
LATITUDE: 41°51'53" N LONGITUDE: 80°41'13" W - WESTBOUND



PORTION TO BE IMPROVED	
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DESIGN DESIGNATION

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DESIGN SPEED	70 mph
LEGAL SPEED	70 mph
DESIGN FUNCTIONAL CLASSIFICATION:	
1 PRINCIPAL ARTERIAL INTERSTATE/RURAL	
NHS PROJECT	YES

DESIGN EXCEPTIONS

NONE

ADA DESIGN WAIVERS

NONE REQUIRED

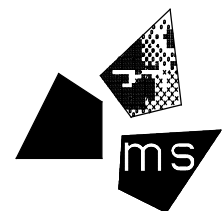
UNDERGROUND UTILITIES

Contact Two Working Days
Before You Dig


Before You Dig

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

PLAN PREPARED BY:



ms consultants, inc.
ENGINEERS, ARCHITECTS & PLANNERS
333 E. FEDERAL STREET
YOUNGSTOWN, OHIO 44503
PHONE (330) 744-5321

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

ATB-IR 90

VACANT REST AREAS TP

SHEFFIELD AND KINGSVILLE TOWNSHIP

ASHTABULA COUNTY, OHIO

INDEX OF SHEETS:

TITLE SHEET	P.1
SCHEMATIC PLAN	P.2 - P.3
TYPICAL SECTIONS	P.4 - P.7
GENERAL NOTES	P.8 - P.9
MAINTENANCE OF TRAFFIC	P.10 - P.11
GENERAL SUMMARY	P.12 - P.14
SUB-SUMMARIES	P.15 - P.19
PROJECT SITE PLANS	P.20 - P.21
PLAN AND PROFILE SHEETS - EASTBOUND TRUCK PARKING	P.22 - P.31
PLAN AND PROFILE SHEETS - WESTBOUND TRUCK PARKING	P.32 - P.40
CROSS SECTIONS - EASTBOUND TRUCK PARKING	P.41 - P.77
CROSS SECTIONS - WESTBOUND TRUCK PARKING	P.78 - P.112
PAVEMENT DETAILS - EASTBOUND TRUCK PARKING	P.113 - P.121
PAVEMENT DETAILS - WESTBOUND TRUCK PARKING	P.122 - P.129
STORM SEWER PROFILES	P.130 - P.132
TRAFFIC CONTROL	P.133 - P.152
LIGHTING	P.153 - P.166
GEOTECHNICAL PROFILE	P.167 - P.182

STANDARD CONSTRUCTION DRAWINGS								SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS	
HL-10.11	1/16/26	MT-101.60	1/17/25	TC-73.20	1/16/26	RM-5.1	7/18/14	800-2023	7/17/26	WATERWAY
HL-10.12	1/16/26	MT-101.90	7/17/20					807	1/17/25	PERMIT
HL-10.13	1/20/23	MT-104.10	1/19/24	BP-2.5	1/16/26	CB-3A	1/16/26	808	7/19/24	CONDITIONS
HL-10.31	1/16/26	MT-105.10	1/17/20	BP-3.1	1/19/24	CB-8	7/19/24	813	7/21/23	PENDING
HL-20.11	1/16/26			BP-5.1	1/16/26			821	4/20/12	
HL-20.21	1/16/26	TC-41.10	1/16/26	BP-6.1	7/19/13	DM-1.1	1/17/25	825	7/19/24	
HL-30.11	1/16/26	TC-41.20	10/18/13			DM-1.2	1/17/25	832	7/18/25	
HL-30.21	4/17/20	TC-41.30	4/21/23	MGS-2.1	1/16/26	DM-4.3	1/15/16	850	7/21/23	
HL-40.20	7/18/25	TC-42.10	10/18/13	MGS-4.2	7/18/25	DM-4.4	1/15/16	872	1/17/25	
HL-60.11	7/21/17	TC-42.20	10/18/13	MGS-5.2	7/15/16			902	1/16/26	
HL-60.21	7/20/18	TC-51.11	7/18/25	MGS-5.3	7/15/16	I-2A	7/19/24	908	1/17/25	
HL-60.31	1/16/26	TC-52.10	10/18/13					913	4/16/21	
		TC-52.20	1/15/21	F-1.1	7/18/25	MH-3	7/19/24	921	7/19/24	
MT-95.30	7/18/25	TC-65.10	1/16/26	F-3.3	7/19/13					
MT-95.45	7/21/23	TC-65.11	1/17/25	F-3.4	7/19/13					
MT-98.29	1/17/20	TC-72.20	1/16/26	F-3.5	1/16/26					

FEDERAL PROJECT NUMBER

NON-FEDERAL

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF NEW TRUCK PARKING FACILITIES ON I.R. 90 EASTBOUND AND WESTBOUND, LOCATED APPROXIMATELY 0.6 MILES EAST OF PLYMOUTH RIDGE ROAD AND 0.5 MILES WEST OF SOUTH WRIGHT STREET. SITE DEVELOPMENT IMPROVEMENTS INCLUDE FULL DEPTH PAVEMENT FOR NEW ENTRANCE/EXIT RAMP AND PARKING AREA. IMPROVEMENTS ALSO INCLUDE STORM SEWER, SIGNING AND PAVEMENT MARKINGS, AND LIGHTING.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA:	15.97 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA:	3.12 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA:	19.09 ACRES

LIMITED ACCESS

THIS IMPROVEMENT IS ESPECIALLY DESIGNED FOR THROUGH TRAFFIC AND HAS BEEN DECLARED A LIMITED ACCESS HIGHWAY OR FREEWAY BY ACTION OF THE DIRECTOR IN ACCORDANCE WITH THE PROVISIONS OF SECTION 5511.02 OF THE OHIO REVISED CODE.

2023 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN 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 AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES.

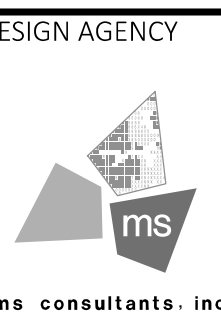

Arthur G. Noiro Jr., P.E.
District 04 Deputy Director


Pamela Boratyn
Director, Department of Transportation

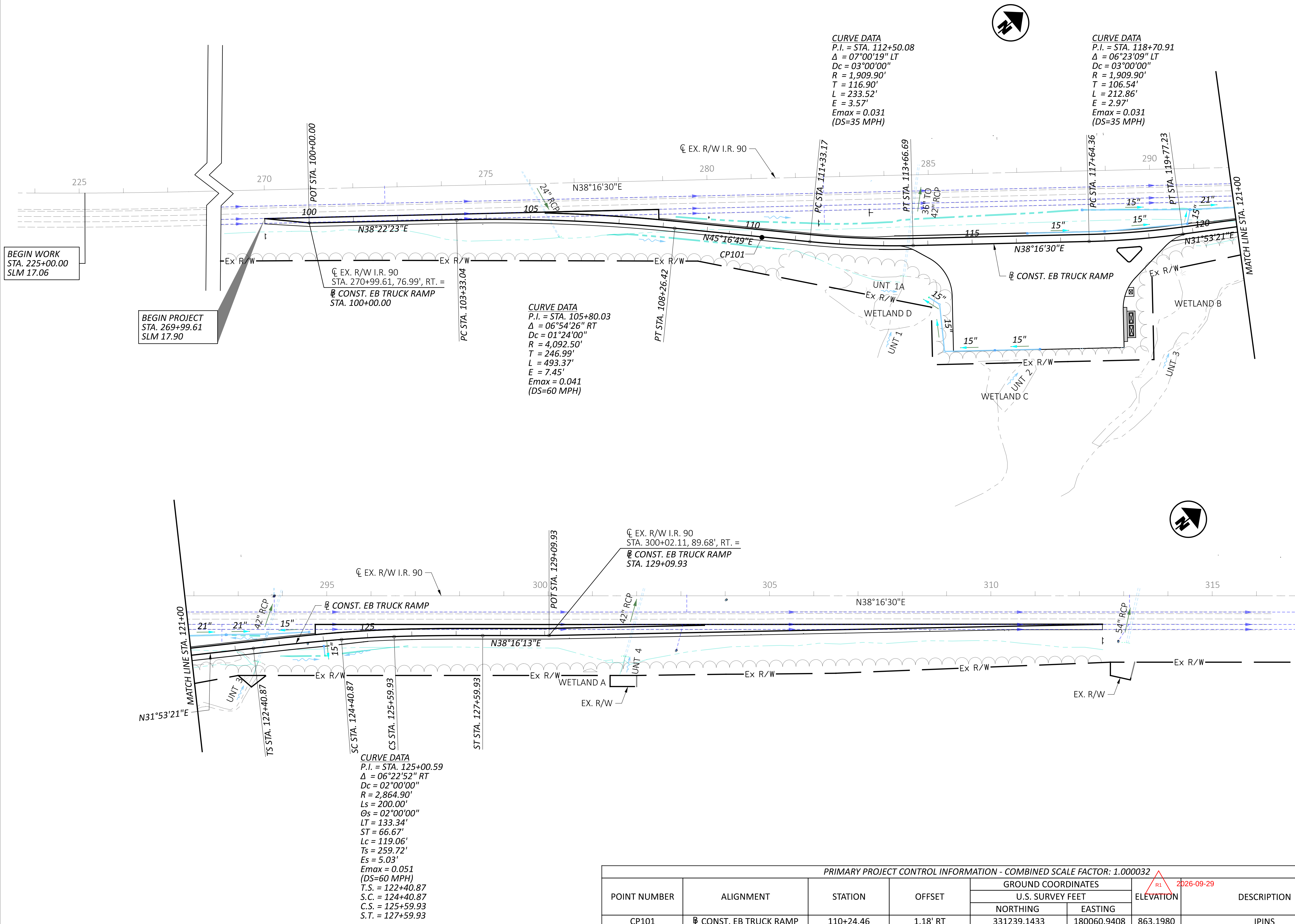
ENGINEER'S SEAL

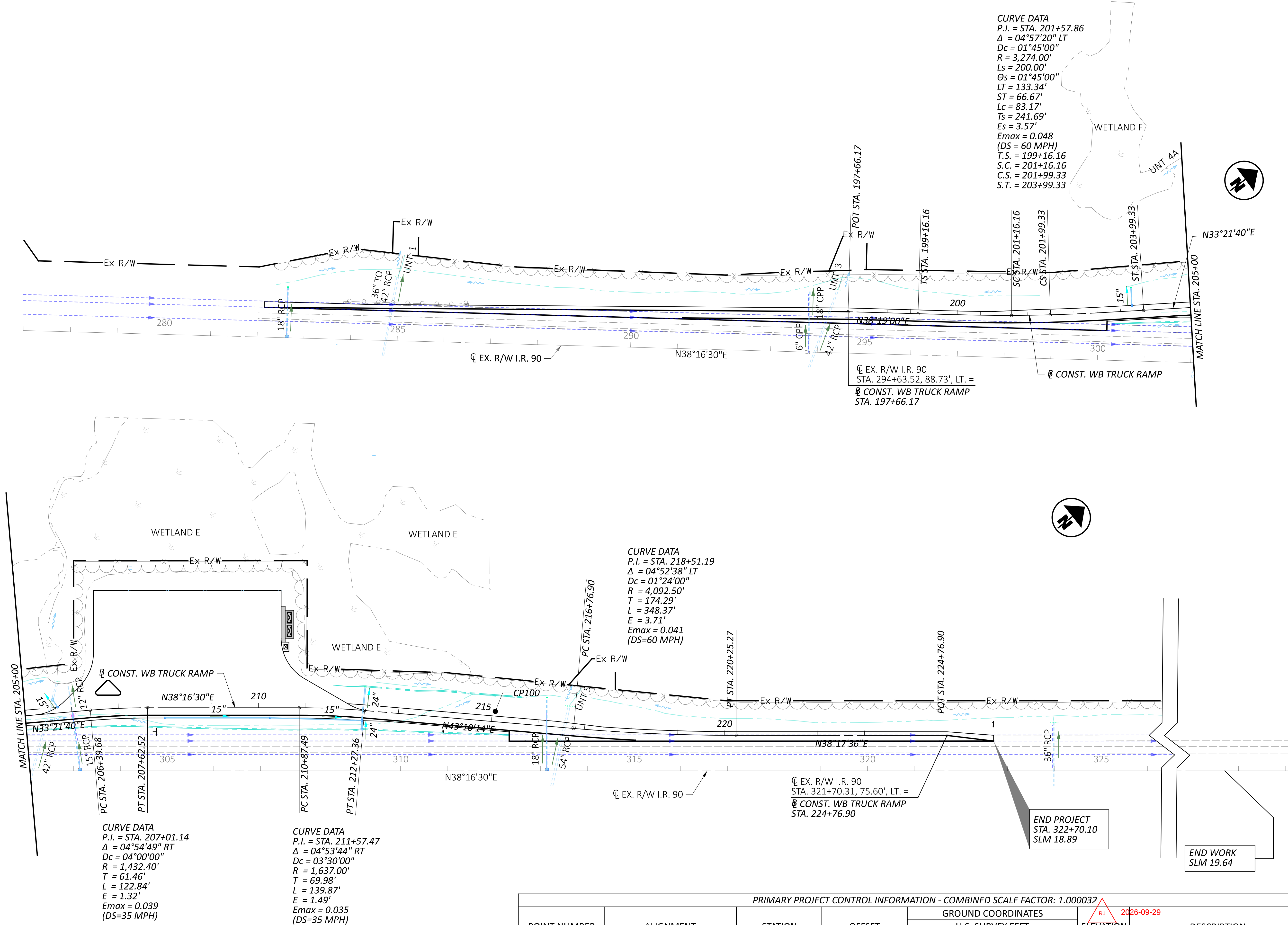
ROADWAY

R1 2026-09-29



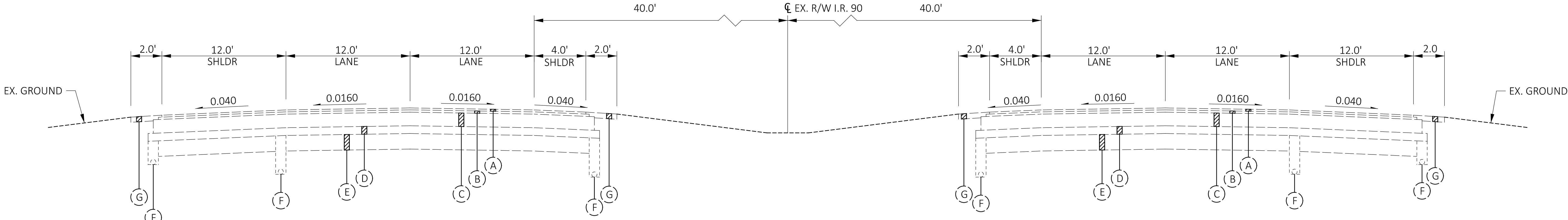
DESIGN AGENCY	
DESIGNER	CJR
REVIEWER	TSB
PROJECT ID	04/27/26
SHEET	122876
TOTAL	P.1
	182





EXISTING LEGEND

- (A) 1.25" ASPHALT CONCRETE SURFACE COURSE
- (B) 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE
- (C) 10" ASPHALT CONCRETE BASE, PG64-22
- (D) 6" AGGREGATE BASE
- (E) CEMENT STABILIZED SUBGRADE, 14" DEEP
- (F) 6" PIPE UNDERDRAINS
- (G) 2" COMPACTED AGGREGATE



I.R. 90- EXISTING SECTION

R1 2026-09-29

PROPOSED LEGEND

- (1) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) (T=1.5")
ITEM 407 - NON-TRACKING TACK COAT
ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446) (T=2.50")
ITEM 407 - NON-TRACKING TACK COAT
ITEM 301 - ASPHALT CONCRETE BASE, PG64-22 (449) (T=6.00")
- (2) ITEM 452 - 6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA
- (3) ITEM 304 - 6" AGGREGATE BASE
- (4) ITEM 204 - SUBGRADE COMPACTION
- (5) ITEM 605 - 6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC
- (6) ITEM 659 - SEEDING AND MULCHING
- (7) ITEM 304 - 10" AGGREGATE BASE
- (8) ITEM 452 - 10" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA
- (9) ITEM 609 - CURB, TYPE 7
- (10) ITEM 608 - 4" CONCRETE WALK
- (11) ITEM 606 - GUARDRAIL, TYPE MGS
- (12) ITEM 606 - GUARDRAIL, TYPE MGS WITH LONG POSTS
- (13) ITEM 204 - EXCAVATION OF SUBGRADE
ITEM 204 - EMBANKMENT
- (14) ITEM 442 - ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446) (T=1.5")
ITEM 407 - NON-TRACKING TACK COAT
ITEM 442 - ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446) (T=2.50")
ITEM 407 - NON-TRACKING TACK COAT
- (15) ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE, VARIABLE DEPTH

EXISTING LEGEND

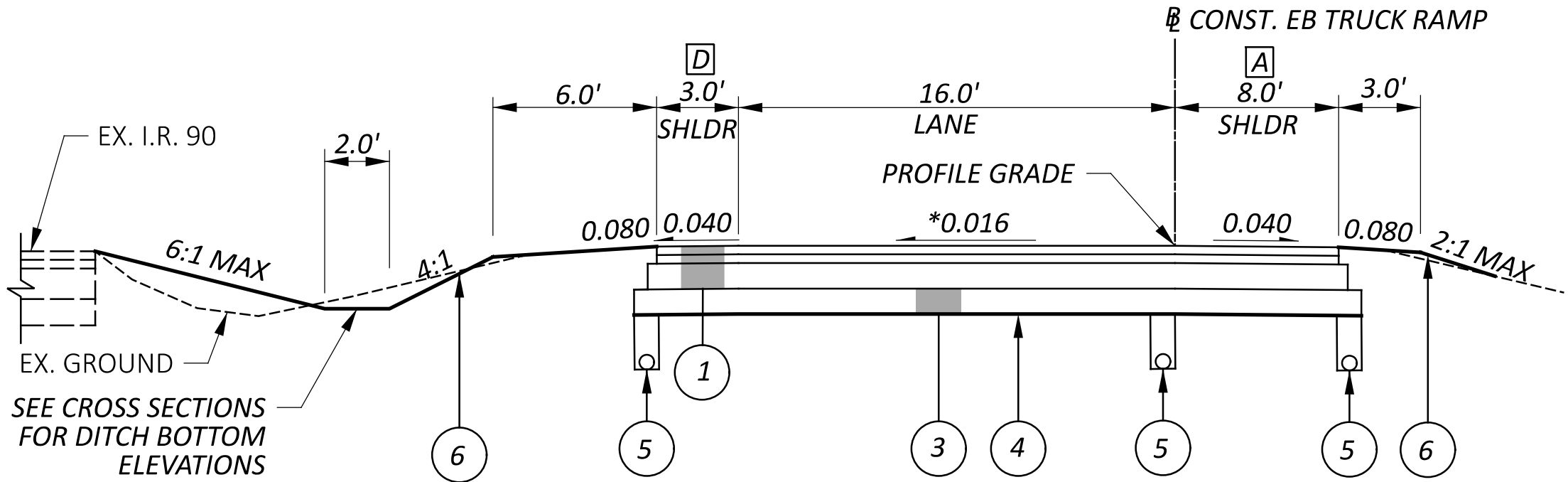
- (A) 1.25" ASPHALT CONCRETE SURFACE COURSE
- (B) 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE
- (C) 10" ASPHALT CONCRETE BASE, PG64-22
- (D) 6" AGGREGATE BASE
- (E) CEMENT STABILIZED SUBGRADE, 14" DEEP
- (F) 6" PIPE UNDERDRAINS
- (G) 2" COMPACTED AGGREGATE

- [A] WIDTH VARIES 0.0' AT STA. 119+49.04 TO 12.0' AT STA. 119+95.98
WIDTH 12.0' AT STA. 119+95.98 TO STA. 124+00.00
WIDTH VARIES 12.0' AT STA. 124+00.00 TO 8.0' AT STA. 125+00.00
- [B] WIDTH VARIES 0.0' AT STA. 269+99.61 TO 12.0' AT STA. 270+99.61
WIDTH VARIES 12.0' AT STA. 103+33.04 TO 16.0' AT STA. 105+33.02
WIDTH VARIES 18.0' AT STA. 303+52.83 TO 0.0' AT STA. 312+52.12
- [C] WIDTH VARIES 11.6' AT STA. 269+99.61 TO 8.0' AT STA. 270+99.61
WIDTH VARIES 8.0' AT STA. 310+52.43 TO 12.6' AT STA. 312+52.12

- [D] WIDTH VARIES 3.0' AT STA. 112+75.00 TO 6.0' AT STA. 113+25.00
WIDTH 6.0' AT STA. 113+25.00 TO STA. 120+00.00
WIDTH VARIES 6.0' AT STA. 120+00.00 TO 3.0' AT STA. 120+50.00

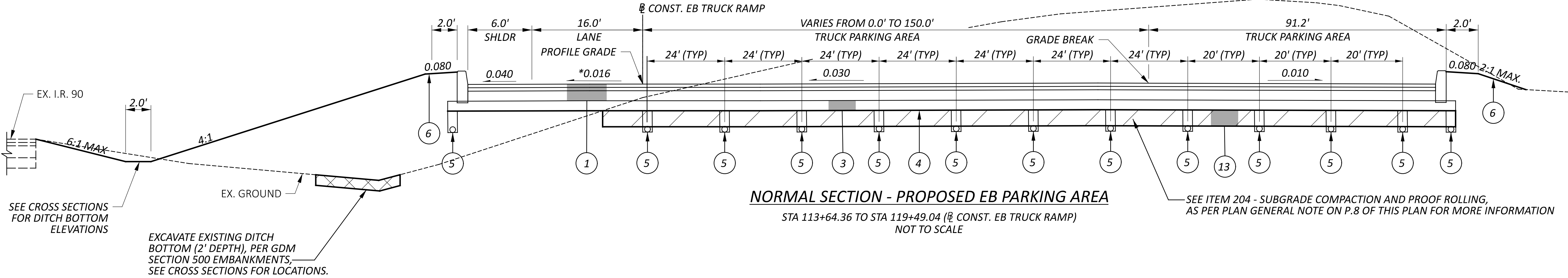
NOTE:
SLOPE ROUNDING: SLOPES SHOULD BE ROUNDED (4'-0") AT ALL SLOPE
BREAKPOINTS AND AT THE INTERSECTION WITH EXISTING GROUND.

*FOR SUPERELEVATION INFORMATION, SEE PAVEMENT DETAIL SHEETS
(P.113 - P.121).



NORMAL SECTION - PROPOSED EB TRUCK RAMP

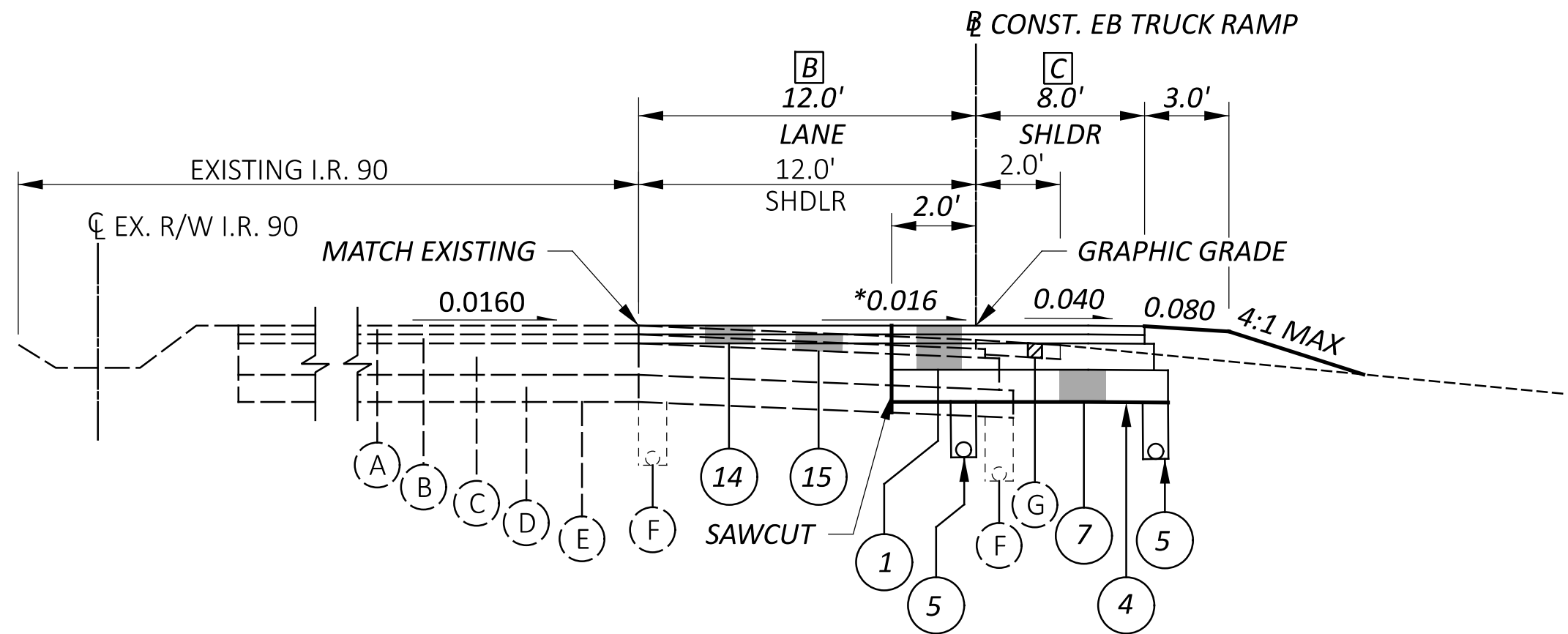
STA 107+88.75 TO STA 113+64.36 (CONST. EB TRUCK RAMP)
STA 119+49.04 TO STA 123+83.14 (CONST. EB TRUCK RAMP)



NORMAL SECTION - PROPOSED EB PARKING AREA

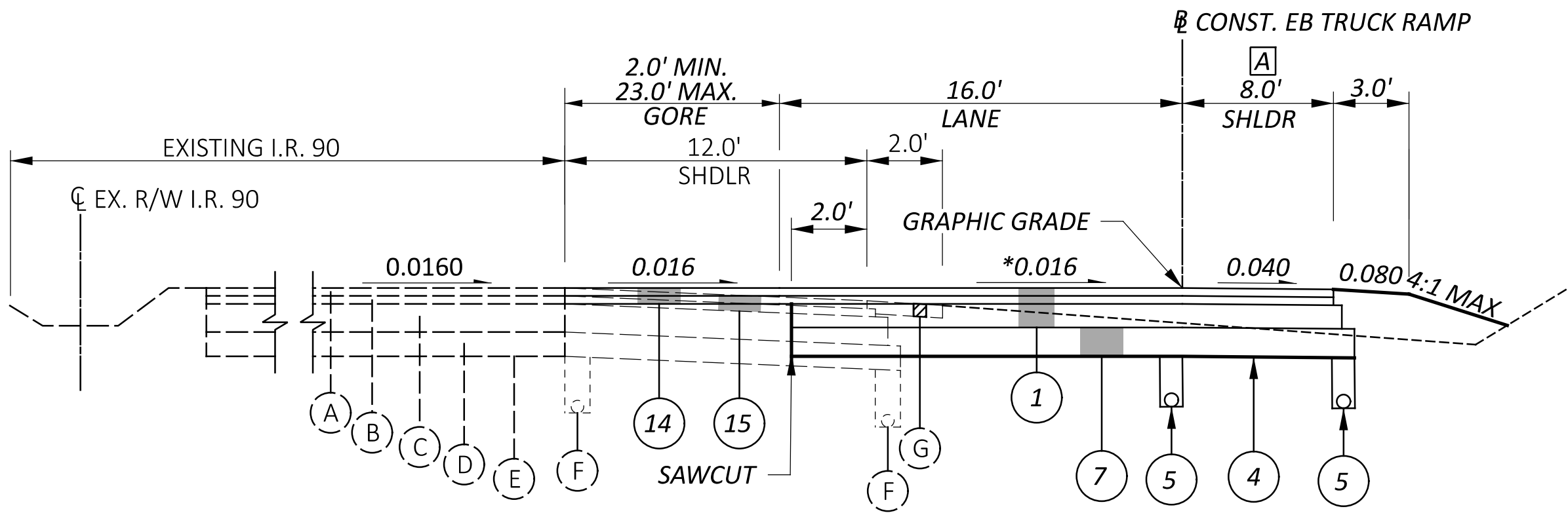
STA 113+64.36 TO STA 119+49.04 (CONST. EB TRUCK RAMP)
NOT TO SCALE

SEE ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING,
AS PER PLAN GENERAL NOTE ON P.8 OF THIS PLAN FOR MORE INFORMATION



NORMAL SECTION - PROPOSED EB TRUCK RAMP TAPER

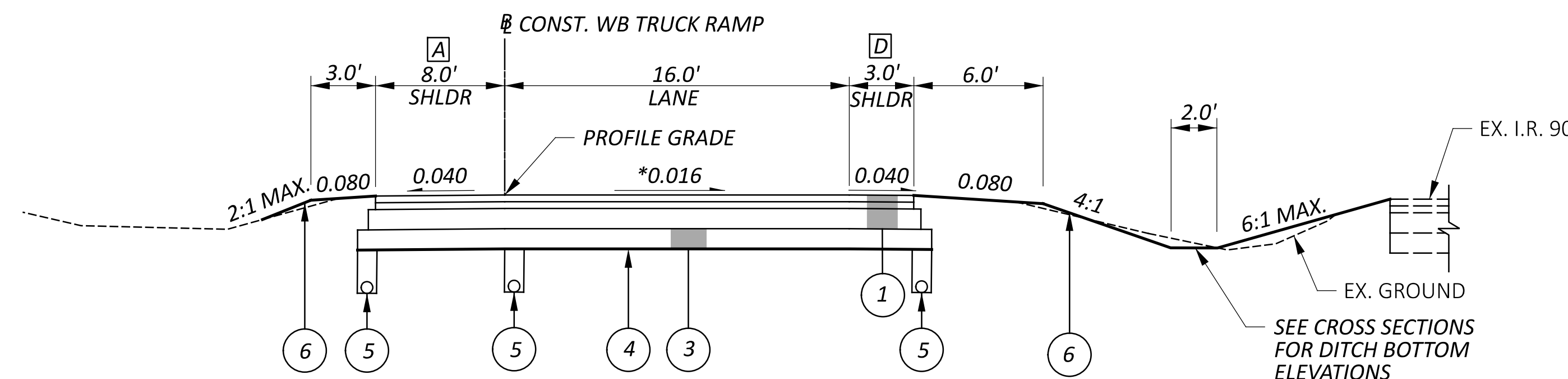
STA 269+99.61 TO STA 270+99.61 (EX. R/W I.R. 90)
STA 100+00.00 TO STA 105+33.02 (CONST. EB TRUCK RAMP)
STA 303+52.83 TO STA 312+52.12 (EX. R/W I.R. 90)



NORMAL SECTION - PROPOSED EB TRUCK RAMP GORE

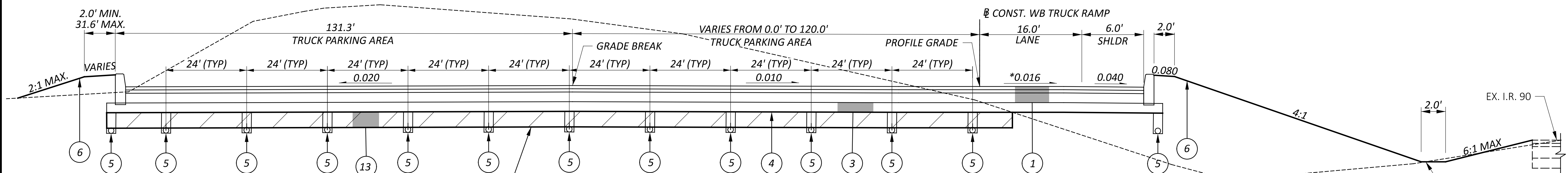
STA 105+33.02 TO STA 107+88.75 (CONST. EB TRUCK RAMP)
STA 123+83.14 TO STA 129+09.93 (CONST. EB TRUCK RAMP)
STA 300+02.12 TO STA 303+52.83 (EX. R/W I.R. 90)

R1 2026-09-29



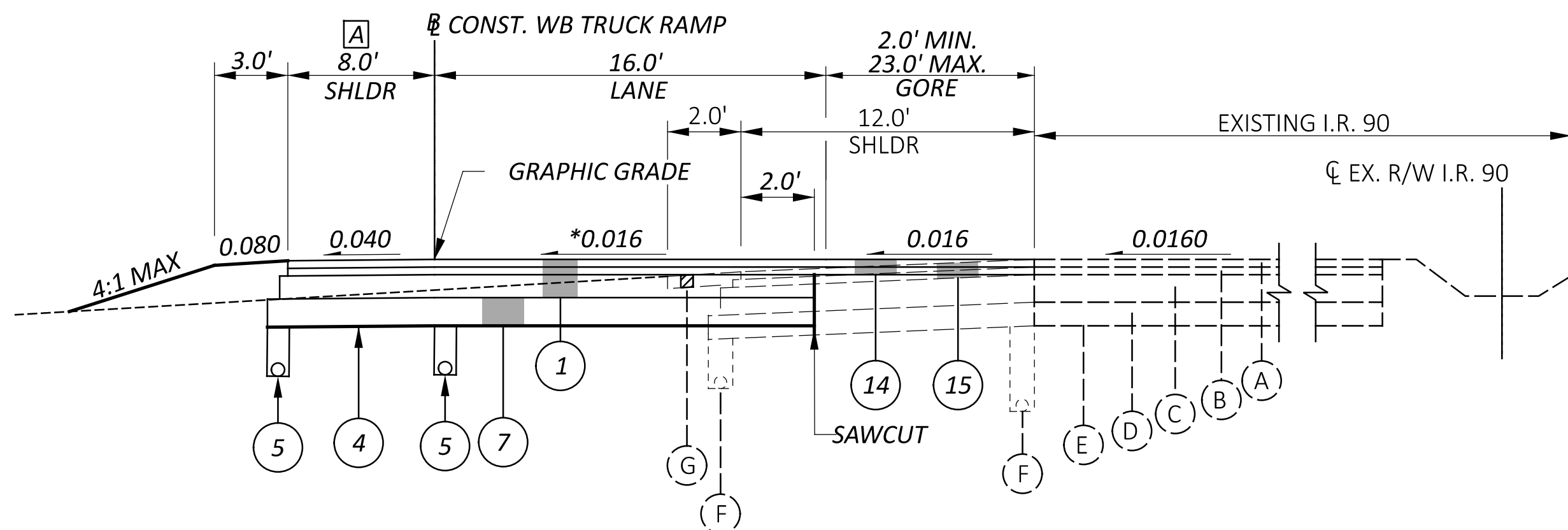
NORMAL SECTION - PROPOSED WB TRUCK RAMP

STA 203+20.04 TO STA 205+68.76 (CONST. WB TRUCK RAMP)
 STA 211+90.41 TO STA 215+41.56 (CONST. WB TRUCK RAMP)



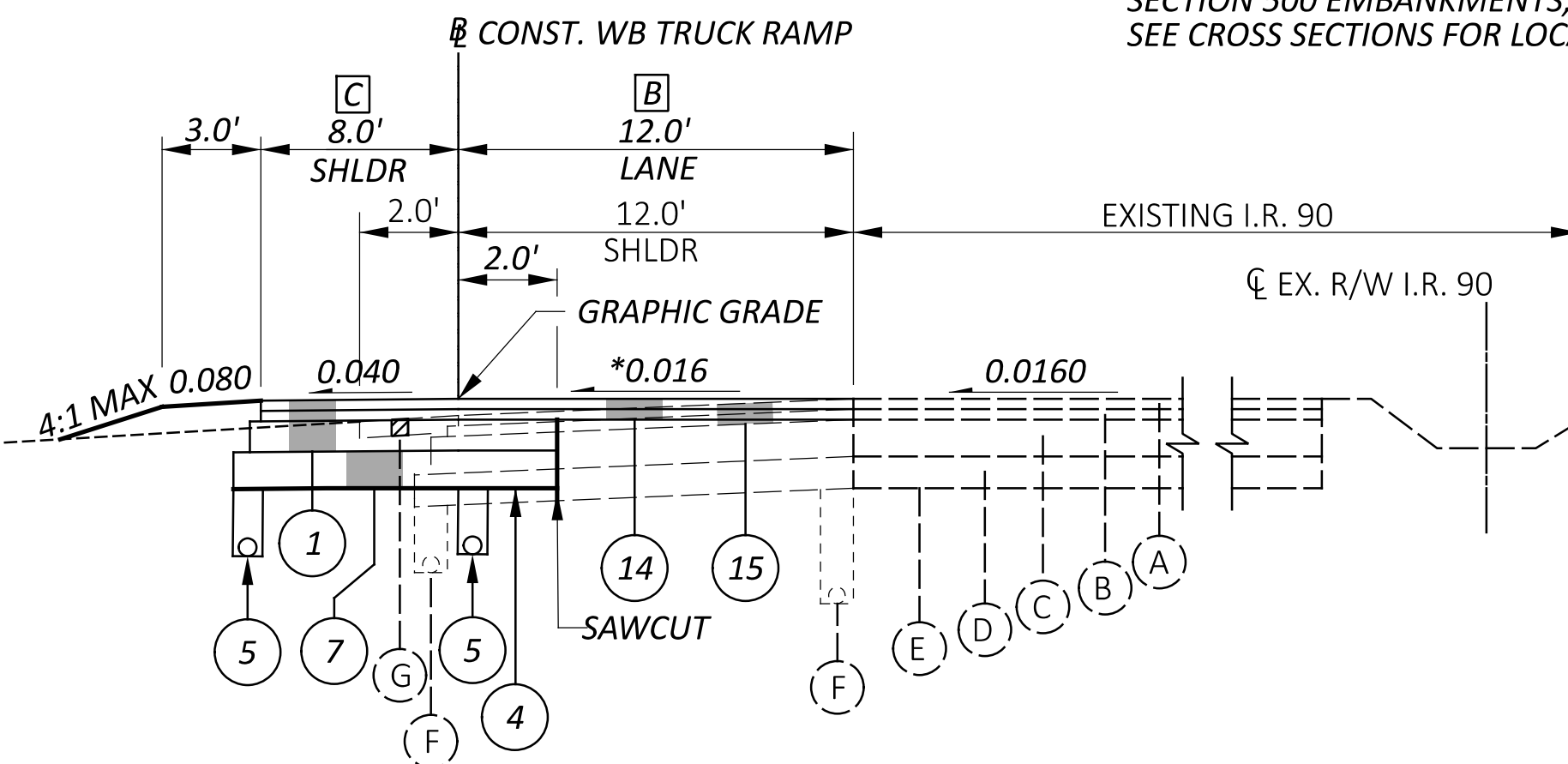
NORMAL SECTION - PROPOSED WB PARKING AREA

STA 205+68.76 TO STA 211+90.41 (CONST. WB TRUCK RAMP)
 NOT TO SCALE



NORMAL SECTION - PROPOSED WB TRUCK RAMP GORE

STA 291+09.39 TO STA 294+63.52 (EX. R/W I.R. 90)
 STA 197+66.17 TO STA 203+20.04 (CONST. WB TRUCK RAMP)
 STA 215+41.56 TO STA 218+10.41 (CONST. WB TRUCK RAMP)



NORMAL SECTION - PROPOSED WB TRUCK RAMP TAPER

STA 282+13.52 TO STA 291+09.39 (EX. R/W I.R. 90)
 STA 218+10.41 TO STA 224+76.90 (CONST. WB TRUCK RAMP)
 STA 321+70.31 TO STA 322+70.10 (EX. R/W I.R. 90)

- A** WIDTH VARIES 8.0' AT STA. 200+75.00 TO 12.0' AT STA. 201+99.33
 WIDTH 12.0' FROM STA. 201+99.33 TO STA. 205+21.26
 WIDTH VARIES 12.0' AT STA. 205+21.26 TO 0.0' AT STA. 205+68.76
 WIDTH VARIES 0.0' AT STA. 211+90.41 TO 12.0' AT STA. 212+37.11
 WIDTH 12.0' FROM STA. 212+37.11 TO STA. 216+40.00
 WIDTH VARIES 12.0' AT STA. 216+40.00 TO 8.0' AT STA. 217+40.00
- B** WIDTH VARIES 0.0' AT STA. 282+13.52 TO 18.0' AT STA. 282+13.52
 WIDTH VARIES 16.0' AT STA. 218+10.41 TO 12.0' AT STA. 220+25.37
 WIDTH VARIES 12.0' AT STA. 321+70.31 TO 0.0' AT STA. 322+70.06
- C** WIDTH VARIES 12.1' AT STA. 282+13.52 TO 8.0' AT STA. 284+30.26
 WIDTH VARIES 8.0' AT STA. 321+70.31 TO 12.3' AT STA. 322+70.10
- D** WIDTH VARIES 3.0' AT STA. 204+75.00 TO 6.0' AT STA. 205+25.00
 WIDTH 6.0' AT STA. 205+25.00 TO STA. 212+25.00
 WIDTH VARIES 6.0' AT STA. 212+25.00 TO 3.0' AT STA. 212+75.00

NOTE:
 FOR EXISTING AND PROPOSED LEGEND, SEE SHEET P.5.

SLOPE ROUNDING: SLOPES SHOULD BE ROUNDED (4'-0") AT ALL SLOPE BREAKPOINTS AND
 AT THE INTERSECTION WITH EXISTING GROUND.

* FOR SUPERELEVATION INFORMATION, SEE PAVEMENT DETAIL SHEETS (P.122 - P.129).



ROUNDING

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

UTILITIES

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

ASHTABULA COUNTY DEPARTMENT OF ENVIRONMENTAL SERVICES
ATTN: BOB CHURCH
P.O. BOX 520
JEFFERSON, OH 44047
PHONE: 440-813-9587
EMAIL: rschurch@ashtabulacounty.us

ENBRIDGE GAS OHIO
ATTN: RYAN BOND
SUPERVISOR - GAS OPERATIONS DISTRIBUTION DESIGN
320 SPRINGSIDE DRIVE
AKRON, OH 44333
CELL: 330-807-2285
EMAIL: ryan.bond@enbridge.com
relocation@enbridge.com

UTILITY PIPELINE LTD.
ATTN: KYLE UNDERWOOD
4100 HOLIDAY STREET, N.W.
SUITE 201
CANTON, OH 44718
PHONE: 330-498-9130 EXT. 310
CELL: 740-605-0713
EMAIL: kunderwood@utilitypipelineltd.com

UTILITY PIPELINE LTD.
ATTN: CHRIS WILKIN
4100 HOLIDAY STREET, N.W.
SUITE 201
CANTON, OH 44718
PHONE: 330-498-9130 EXT. 376
EMAIL: cwilkin@utilitypipelineltd.com

TUSSEL, JR. COMPANY
ATTN: CARL TUSSEL
141 E. JEFFERSON ST.
JEFFERSON, OH 44047
PHONE: 440-576-3415
CELL: 440-645-4550
EMAIL: mimpa11@yahoo.com

CEI THE ILLUMINATING COMPANY
ATTN: JOHN ZASSICK
6896 MILLER ROAD
BRECKSVILLE, OH 44141
PHONE: 440-546-8706
CELL: 216-538-1580
EMAIL: jmzassick@firstenergycorp.com

EXISTING PLANS

EXISTING PLANS ENTITLED ATB-90-0.00 MAY BE INSPECTED IN THE ODOT DISTRICT 4 OFFICE IN SUMMIT COUNTY.

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.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT, A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

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	3,218 CY
659, SEEDING AND MULCHING	28,987 SY
659, COMMERCIAL FERTILIZER	3.91 TON
659, LIME	5.99 ACRES
659, WATER	157 MGAL

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.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET ____ 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:	Static GPS (OPUS)
MONUMENT TYPE:	ODOT Type B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM:	NAVD88
GEOID:	GEOID18

HORIZONTAL POSITIONING (State Plane or OCCS)

REFERENCE FRAME:	NAVD 83 (2011)
ELLIPSOID:	GRS80
MAP PROJECTION:	Lambert Conformal Conic 1 Parallel
COORDINATE SYSTEM:	ODOT LDP - Ashtabula
COMBINED SCALE FACTOR:	1.000032

ORIGIN OF COORDINATE

SYSTEM:	41°51'00.00000" N, 80°45'00.00000" W
---------	--------------------------------------

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.

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING.

ITEM 204 - PROOF ROLLING	8 HOUR
--------------------------	--------

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.

ITEM SPECIAL - SURVEY CONTROL VERIFICATION

THE CONTRACTOR SHALL PERFORM THIS WORK TO VERIFY THE PROVIDED SURVEY CONTROL. THE CONTRACTOR WILL PERFORM THE VERIFICATION USING ONE OF THE TWO METHODS BELOW DEPENDENT UPON THE CONTRACTOR'S CHOSEN MEANS OF SURVEY CONTROL TO BE USED ON THE PROJECT. THE WORK SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF AN OHIO LICENSED SURVEYOR.

- IF USING GPS DEVICES TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL
 - LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
 - PERFORM A SITE CALIBRATION UTILIZING THE AVAILABLE HORIZONTAL AND VERTICAL CONTROL POINTS PROVIDED IN THE PLAN.
 - PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.
- IF USING CONVENTIONAL SURVEY INSTRUMENTATION TO ESTABLISH AND OR PROVIDE SUPPLEMENTAL HORIZONTAL AND VERTICAL SURVEY CONTROL
 - LOCATE VERTICAL CONTROL POINTS PROVIDED IN THE PLANS AND PERFORM A DIFFERENTIAL LEVEL CIRCUIT.
 - LOCATE AND OBSERVE ANGLE AND DISTANCE TO ALL AVAILABLE HORIZONTAL CONTROL POINTS PROVIDED IN THE PLAN.
 - PROVIDE A REPORT, SIGNED BY AN OHIO LICENSED SURVEYOR, TO THE PROJECT ENGINEER COMPARING THE OBSERVED DATA TO THE PLAN DATA ALONG WITH A NARRATIVE DETAILING ANY DISCREPANCIES FOUND.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, AND INCIDENTALS NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE LUMP SUM BID ITEM.

ITEM SPECIAL - AS-BUILT CONSTRUCTION PLANS

PRIOR TO FINAL ACCEPTANCE OF THE WORK, THE CONTRACTOR SHALL FURNISH THE DEPARTMENT FORMAL AS-BUILT CONSTRUCTION PLANS. THE FORMAL AS-BUILT CONSTRUCTION PLANS SHALL INCLUDE ALL RED-LINED CHANGES. RED-LINE CHANGE SHALL BE DENOTED UTILIZING CLOUDING IN MICROSTATION (OR OTHER CAD SOFTWARE) OR CLOUDING IN PDF EDITING SOFTWARE. THE AS-BUILT CONSTRUCTION PLANS SHALL HAVE A SIGNED VERIFICATION ON THE TITLE SHEET FROM THE CONTRACTOR INDICATING THAT ALL RED-LINED AND FIELD CHANGES HAVE BEEN INCORPORATED INTO AS-BUILT CONSTRUCTION PLANS.

THE CONTRACTOR'S VERIFICATION STATEMENT INDICATES ALL KNOWN FIELD MODIFICATIONS MADE HAVE BEEN INCLUDED IN THE FORMAL AS-BUILT CONSTRUCTION PLANS. THE CONTRACTOR'S VERIFICATION STATEMENT SHALL BE SIGNED BY THE CONTRACTOR'S PROJECT MANAGER (OR ACCEPTABLE REPRESENTATIVE).

IN ADDITION TO THE INFORMATION SHOWN ON THE CONSTRUCTION PLANS, THE AS-BUILT CONSTRUCTION PLANS SHALL SHOW THE FOLLOWING:

- ALL DEVIATIONS FROM THE ORIGINAL APPROVED CONSTRUCTION PLANS WHICH RESULT IN A CHANGE OF LOCATION, MATERIAL, TYPE OR SIZE OR WORK.
- ANY UTILITIES, PIPES, WELLHEADS, ABANDONED PAVEMENTS, FOUNDATIONS OR OTHER MAJOR OBSTRUCTIONS DISCOVERED AND REMAINING IN PLACE WHICH ARE NOT SHOWN, OR DO NOT CONFORM TO LOCATIONS OR DEPTHS SHOWN IN THE PLANS. UNDERGROUND FEATURES SHALL BE SHOWN AND LABELED ON THE AS-BUILT CONSTRUCTION PLANS IN TERMS OF STATION, OFFSET AND ELEVATION.
- THE FINAL OPTION AND SPECIFICATION NUMBER SELECTED FOR THOSE ITEMS WHICH ALLOW SEVERAL MATERIAL OPTIONS UNDER THE SPECIFICATION (E.G., CONDUIT).
- CHANGES TO THE PAY ITEMS AND FINAL QUANTITIES AS PAID SHALL BE SHOWN ON THE GENERAL SUMMARY AND SUBSUMMARIES.
- ADDITIONAL PLAN SHEETS MAY BE NEEDED IF NECESSARY TO SHOW WORK NOT INCLUDED IN THE CONSTRUCTION PLANS. IF ADDITIONAL PLAN SHEETS ARE NEEDED, THEY ARE REQUIRED TO BE PREPARED IN CONFORMANCE WITH THE LOCATION AND DESIGN MANUAL, VOLUME 3, SECTION 1200 - PLAN PREPERATION.

NOTATION SHALL ALSO BE MADE OF LOCATIONS AND THE EXTENT OF USE OF MATERIALS, OTHER THAN SOIL, FOR EMBANKMENT CONSTRUCTION (ROCK, BROKEN CONCRETE WITHOUT REINFORCING STEEL, ETC.).

THE PLAN INDEX SHALL SHOW THE PLAN SHEETS WHICH HAVE CHANGES APPEARING ON THEM.

ITEM SPECIAL - AS-BUILT CONSTRUCTION PLANS (CONT.)

TWO COPIES OF THE AS-BUILT CONSTRUCTION PLANS SHALL BE DELIVERED TO THE PROJECT ENGINEER FOR APPROVAL UPON COMPLETION OF THE PHYSICAL WORK BUT PRIOR TO THE REQUEST FOR FINAL PAYMENT. AFTER THE DEPARTMENT HAS APPROVED THE AS-BUILT CONSTRUCTION PLANS, THE ASSOCIATED ELECTRONIC FILES SHALL BE DELIVERED TO THE DISTRICT CAPITAL PROGRAMS ADMINISTRATOR. ACCEPTANCE OF THESE PLANS AND DELIVERY OF THE ASSOCIATED ELECTRONIC FILES IS REQUIRED PRIOR TO THE WORK BEING ACCEPTED AND THE FINAL ESTIMATE APPROVED.

PAYMENT FOR ALL THE ABOVE SHALL BE LUMP SUM UPON PROPER EXECUTION OF ALL WORK OF THIS ITEM AS DETERMINED BY THE PROJECT ENGINEER.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING, AS PER PLAN

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

- SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
- IN AREAS OF THE EXISTING MOUNDS
 - EXCAVATE THE UNSUITABLE SUBGRADE, DESCRIBED AS UNCONTROLLED FILL, BENEATH EXISTING MOUNDS TO A DEPTH OF 36 INCHES BELOW THE PROPOSED SUBGRADE ELEVATION AS SHOWN ON THE CROSS SECTIONS
 - PROOF ROLL THE BOTTOM OF THE EXCAVATION TO IDENTIFY UNSTABLE SUBGRADE. EXCAVATE UNSTABLE SUBGRADE AND REPLACE WITH ITEM 204 EMBANKMENT.
 - BACKFILL THE EXCAVATION WITH COMPACTED ITEM 204 EMBANKMENT AND SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE SUBGRADE ELEVATION.

ELSEWHERE, 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 SHALLOW FILL AND SHAPING THE SUBGRADE.

- COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.
- 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.
- 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.

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

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

R1 2026-09-29

DESIGN AGENCY



DESIGNER

JLM

REVIEWER

TSB 04/27/26

PROJECT ID

122876

SHEET

P.8

TOTAL

182

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.

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.

MANHOLES, CATCH BASINS AND INLETS REMOVED OR ABANDONED

CAREFULLY REMOVE AND STORE ALL CASTINGS WITHIN THE RIGHT OF WAY FOR SALVAGE BY (DEPARTMENT) (CITY) (VILLAGE) (COUNTY) FORCES.

PAYMENT FOR ALL OF THE ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 202 ITEM.

FENCE REPLACEMENT (AS DIRECTED)

IN THE EVENT THAT PORTIONS OF THE EXISTING CHAIN LINK FENCE ARE DETERMINED TO NEED REPLACEMENT, THE FOLLOWING CONTINGENCY QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER:

ITEM 202 FENCE REMOVED	300 FT
ITEM 202 GATE REMOVED	1 EACH
ITEM 607 FENCE, TYPE CLT	300 FT
ITEM 607 GATE, TYPE CLT	1 EACH
ITEM 607 FENCELINE SEEDING AND MULCHING	350 FT

ITEM SPECIAL - PIPE CLEANOUT

THIS WORK CONSISTS OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS SPECIFIED IN THE PLANS. DISPOSE OF ALL MATERIAL PER 105.16 AND 105.17. CLEAN OUT TO THE APPROVAL OF THE ENGINEER.

CLEANOUT OF THE PIPE IS PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL, PIPE CLEANOUT. THIS PRICE INCLUDES THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUT.

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

ITEM SPECIAL, PIPE CLEANOUT, 24" AND UNDER	260 FT
ITEM SPECIAL, PIPE CLEANOUT, 27" TO 48"	1010 FT

CONDUIT VERIFICATION PRIOR TO FINAL ACCEPTANCE

IMMEDIATELY PRIOR TO FINAL INSPECTION PER C&MS 109.12.A, THE CONTRACTOR SHALL PERFORM A SECOND PERFORMANCE INSPECTION OF ALL CONDUITS AND DRAINAGE STRUCTURES PER THE REQUIREMENTS OF C&MS 611.12. AS PART OF THIS INSPECTION, THE CONTRACTOR SHALL IDENTIFY AND CLEAN ANY CONDUIT OR DRAINAGE STRUCTURES FOUND TO HAVE DIRT, DEBRIS OR ANY OTHER FOREIGN MATTER PRESENT. PROVIDE A REPORT DETAILING THE FINDINGS ALONG WITH THE VIDEO OF THE INSPECTION THAT DOCUMENTS THE CLEAN CONDITION. PAYMENT FOR THIS WORK IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 ITEMS.

POST CONSTRUCTION STORM WATER TREATMENT

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

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIP(S) FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

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 611, 6" CONDUIT, TYPE F	20 FT
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ENVIRONMENTAL COMMITMENTS

ENDANGERED BAT HABITAT REMOVAL

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET.

WATERWAY PERMITS

ODOT WILL ACQUIRE ALL NECESSARY WATERWAY PERMITS PRIOR TO THE START OF CONSTRUCTION. CONDITIONS OF THESE PERMITS WILL BE PROVIDED IN THE CONTRACT AS SPECIAL PROVISIONS. ODOT WILL PROVIDE THE WATERWAY PERMITS TO THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL THE SPECIAL PROVISIONS OF THE WATERWAY PERMITS THROUGHOUT THE DURATION OF THE CONTRACT.

PIT LATRINE FACILITIES

- PIT LATRINES, ASSOCIATED SIDEWALK AND CURB RAMPS WILL BE INSTALLED VIA SEPARATE CONTRACT.
- IT MAY BE NECESSARY FOR PIT LATRINE WORK TO TAKE PLACE SIMULTANEOUS TO PARKING LOT CONSTRUCTION. CONTRACTORS MUST COORDINATE SCHEDULES, SITE ACCESS, AND AREAS FOR STAGING AS NEEDED.
- PIT LATRINE FOOTPRINT SIZE, LOCATION AND ORIENTATION (SHOWN IN THESE PLANS AS BY OTHERS) SHOULD BE CONSIDERED APPROXIMATE. ACTUAL INSTALLATION MAY DIFFER. HOWEVER THE WORK WILL BE ENTIRELY BEHIND THE PARKING LOT CURB AND WILL NOT IMPACT THE PARKING LOT.
- PIT LATRINE PLANS WILL BE PROVIDED FOR REFERENCE WHEN AVAILABLE.

ITEM 606 - ANCHOR ASSEMBLY, MGS TYPE E

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING ANY OF THE MASH 2016 TYPE E TANGENTIAL END TREATMENTS FOR TYPE MGS GUARDRAIL AS LISTED UNDER "PRODUCTS ACCEPTED FOR NEW INSTALLATIONS" ON THE ROADWAY APPROVED PRODUCTS LIST POSTED ON ROADWAY ENGINEERING'S WEB PAGE. INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS, IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. REFER TO THE POSTED SHOP DRAWINGS FOR THE MOST CURRENT APPROVED PRODUCT MODELS.

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. 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. 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.

THE FACE OF THE TYPE E IMPACT HEAD SHALL BE COVERED WITH SOLID FLUORESCENT YELLOW REBOUNDABLE RETROREFLECTIVE SHEETING, PER CMS 730.191.

WHEN THE FACE OF THE ADJACENT (ATTACHED) GUARDRAIL IS LESS THAN 4' OFFSET FROM THE PROPOSED EDGE LINE, AND PERMITTING SITE CONDITIONS EXIST: THE PROPOSED TYPE E ANCHOR ASSEMBLY SHALL BE INSTALLED AT A CONSISTENT FLARE RATE THROUGH THE FULL LENGTH OF THE SYSTEM. THE FLARE RATE SHALL BE A MAXIMUM OF 25:1 (RESULTING IN A 2' OFFSET). THE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SHOP DRAWINGS, PRODUCT INSTALLATION MANUAL/GUIDANCE, AND AS DIRECTED BY THE ENGINEER.

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.

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF NEW TRUCK PARKING FACILITIES ON I.R. 90 EASTBOUND AND WESTBOUND, LOCATED APPROXIMATELY 0.6 MILES EAST OF PLYMOUTH RIDGE ROAD AND 0.5 MILES WEST OF SOUTH WRIGHT STREET. SITE DEVELOPMENT IMPROVEMENTS INCLUDE FULL DEPTH PAVEMENT FOR NEW ENTRANCE/EXIT RAMP AND PARKING AREA. IMPROVEMENTS ALSO INCLUDE STORM SEWER, SIGNING AND PAVEMENT MARKINGS, AND LIGHTING.

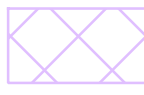
USGS Map: Gageville Quadrangle
Gageville, OH

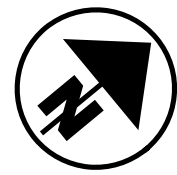
Latitude: 41°51'35" N

Longitude: 80°41'22" W

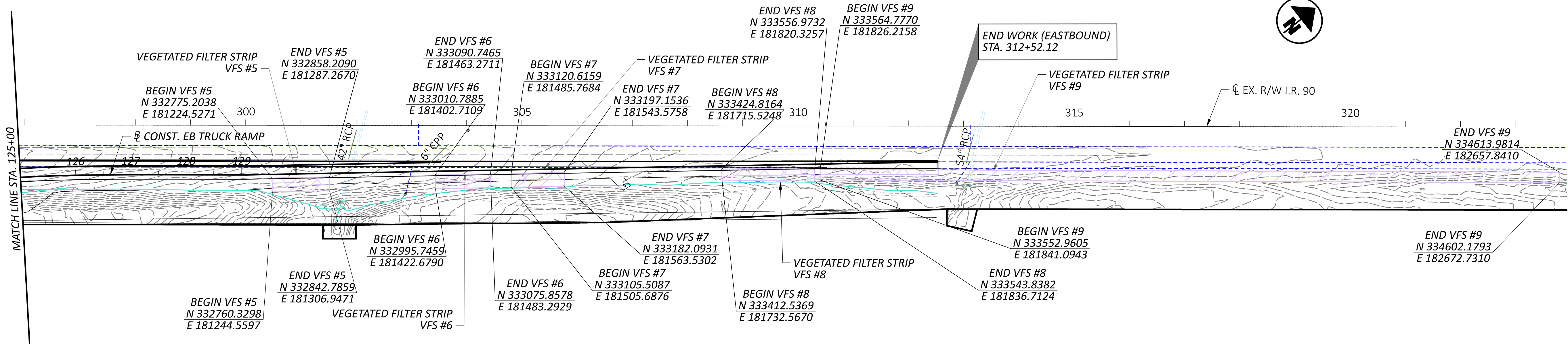
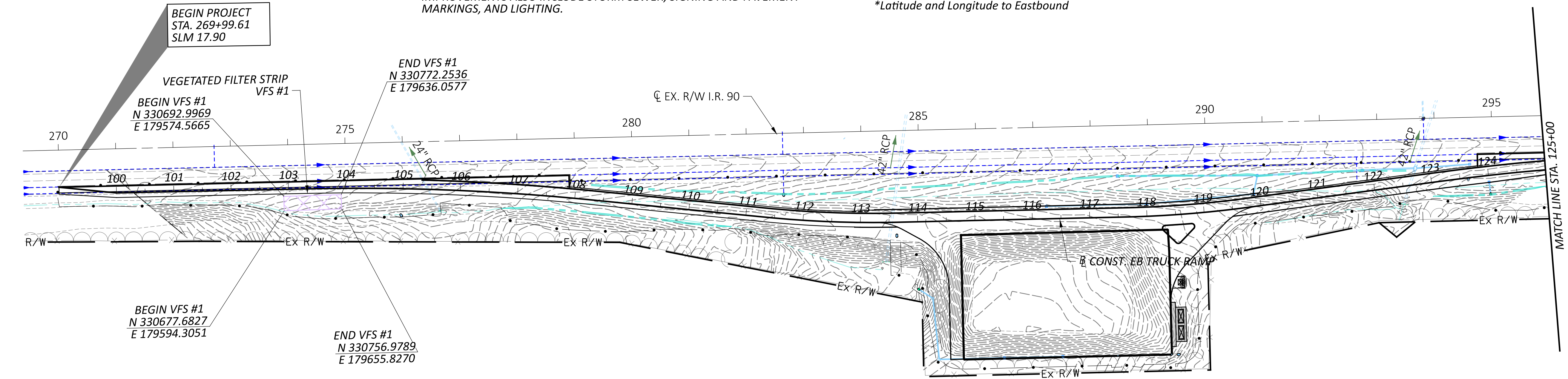
*Latitude and Longitude to Eastbound

LEGEND:

-  = VEGETATED FILTER STRIP
-  = EXISTING GRASSED SLOPE FOR VEGETATED FILTER STRIP (DND)



PROJECT SITE PLAN
EASTBOUND TRUCK PARKING



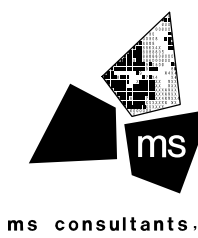
BMP SUMMARY

BMP	BEGIN LAT/LONG	END LAT/LONG	VFS WIDTH (FT)	BMP LENGTH (FT)	EDA TREATMENT CREDIT (AC)
VFS 1	41.857139 N, -80.693000 W	41.857361 N, -80.692750 W	25	101	0.13
VFS 5	41.8628611 N, -80.686917 W	41.863083 N, -80.686694 W	25	104	0.16
VFS 6	41.863500 N, -80.686278 W	41.863722 N, -80.686056 W	25	100	0.14
VFS 7	41.863805 N, -80.685972 W	41.864027 N, -80.685750 W	25	96	0.13
VFS 8	41.864638 N, -80.685111 W	41.865000 N, -80.684722 W	21	169	0.19
VFS 9	41.866333 N, -80.684138 W	41.851222 N, -80.681666 W	19	1,339	1.38

PROJECT DATA

Total Area (Right-of-Way) ----- 35.64 acres	Runoff Coefficient for Pre-Construction Site ----- 0.30
Project Earth Disturbed Area ----- 15.97 acres	Runoff Coefficient for Post-Construction Site ----- 0.62
Estimated Contractor Earth Disturbed Area ----- 3.12 acres	Post-Construction BMP: Vegetated filter strips were provided to meet NPDES post-construction requirements.
Notice of Intent Earth Disturbed Area ----- 19.09 acres	Treatment Requirement ----- 3.19 acres
Impervious (Paved) Area for Pre-Construction Site ----- 2.17 acres	Immediate Receiving Waters ----- UNT to Ashtabula River
Impervious (Paved) Area for Post-Construction Site ----- 9.13 acres	Subsequent Receiving Waters ----- Ashtabula River

DESIGN AGENCY



DESIGNER

MRB

REVIEWER

DNB 06/12/26

PROJECT ID

122876

SHEET

P.20

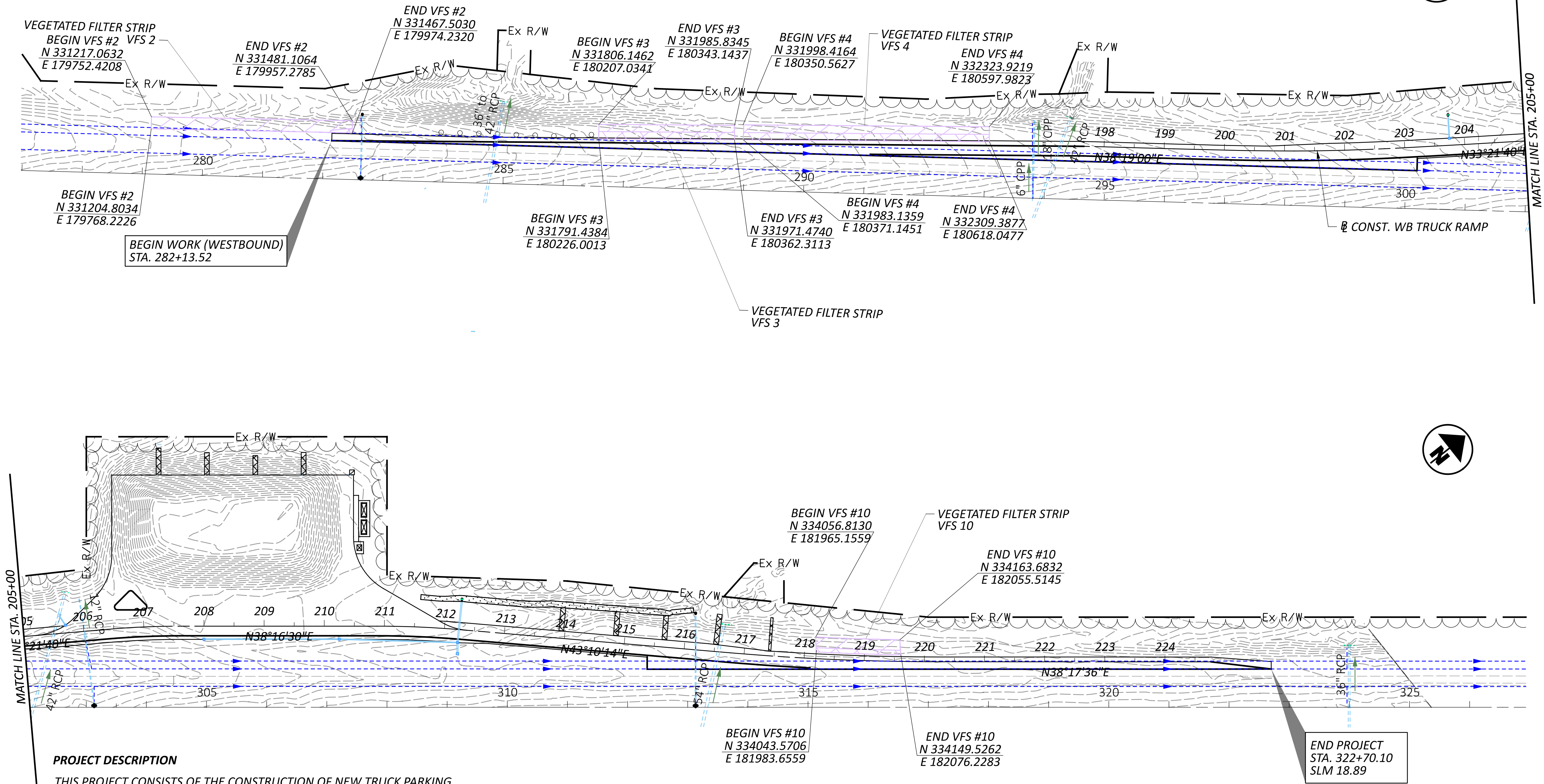
TOTAL

182

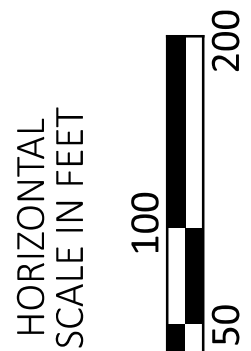
PROJECT DATA	
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Project Earth Disturbed Area ----- 15.97 acres	Runoff Coefficient for Post-Construction Site ----- 0.62
Estimated Contractor Earth Disturbed Area ----- 3.12 acres	Post-Construction BMP: Vegetated filter strips were provided to meet NPDES post-construction requirements.
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Impervious (Paved) Area for Post-Construction Site ----- 9.13 acres	Subsequent Receiving Waters ----- Ashtabula River

BMP SUMMARY

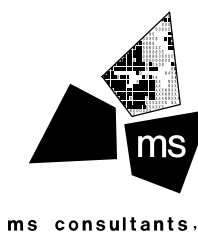
BMP	BEGIN LAT/LONG	END LAT/LONG	VFS WIDTH (FT)	VFS LENGH (FT)	EDA TREATMENT CREDIT (AC)
VFS 2	41.858555 N, -80.692277 W	41.859278 N, -80.691528 W	20	334	0.35
VFS 3	41.860167 N, -80.690583 W	41.860667 N, -80.690083 W	24	226	0.28
VFS 4	41.8606944 N, -80.690055 W	41.861583 N, -80.690056 W	25	408	0.57
VFS 10	41.866333 N, -80.684139 W	41.866639 N, -80.683806 W	25	141	0.20



PROJECT SITE PLAN
WESTBOUND TRUCK PARKING



DESIGN AGENCY



DESIGNER

MRB

REVIEWER

DNB 04/27/26

PROJECT ID

122876

SHEET

P.21

TOTAL

182

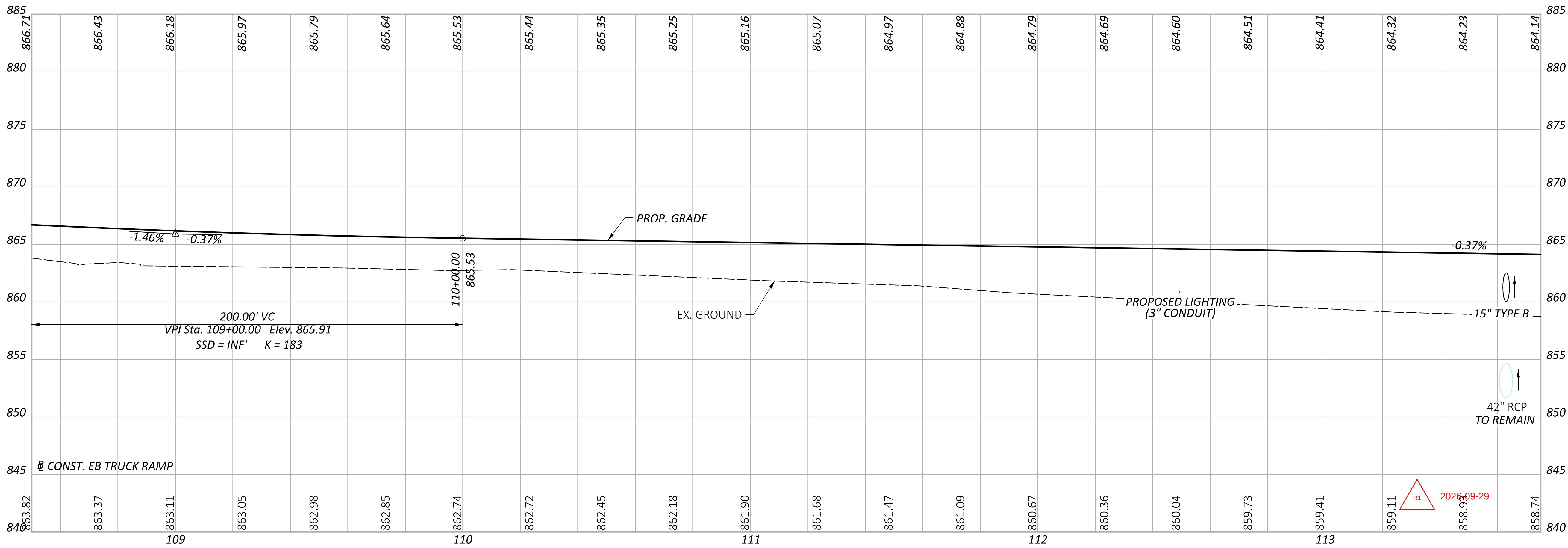
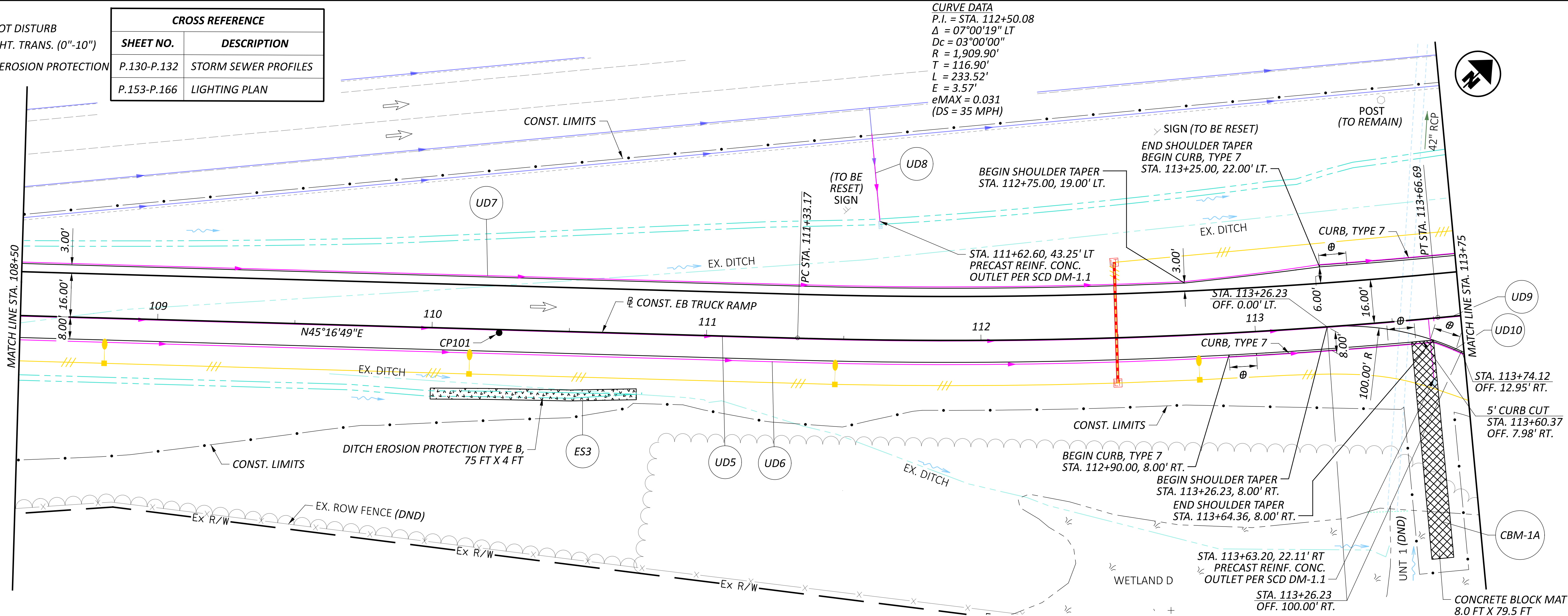
R1 2026-09-29

LEGEND:
(DND) = DO NOT DISTURB
 $\theta = 10'$ CURB HT. TRANS. (0"-10")

 = DITCH EROSION PROTECTION TYPE B

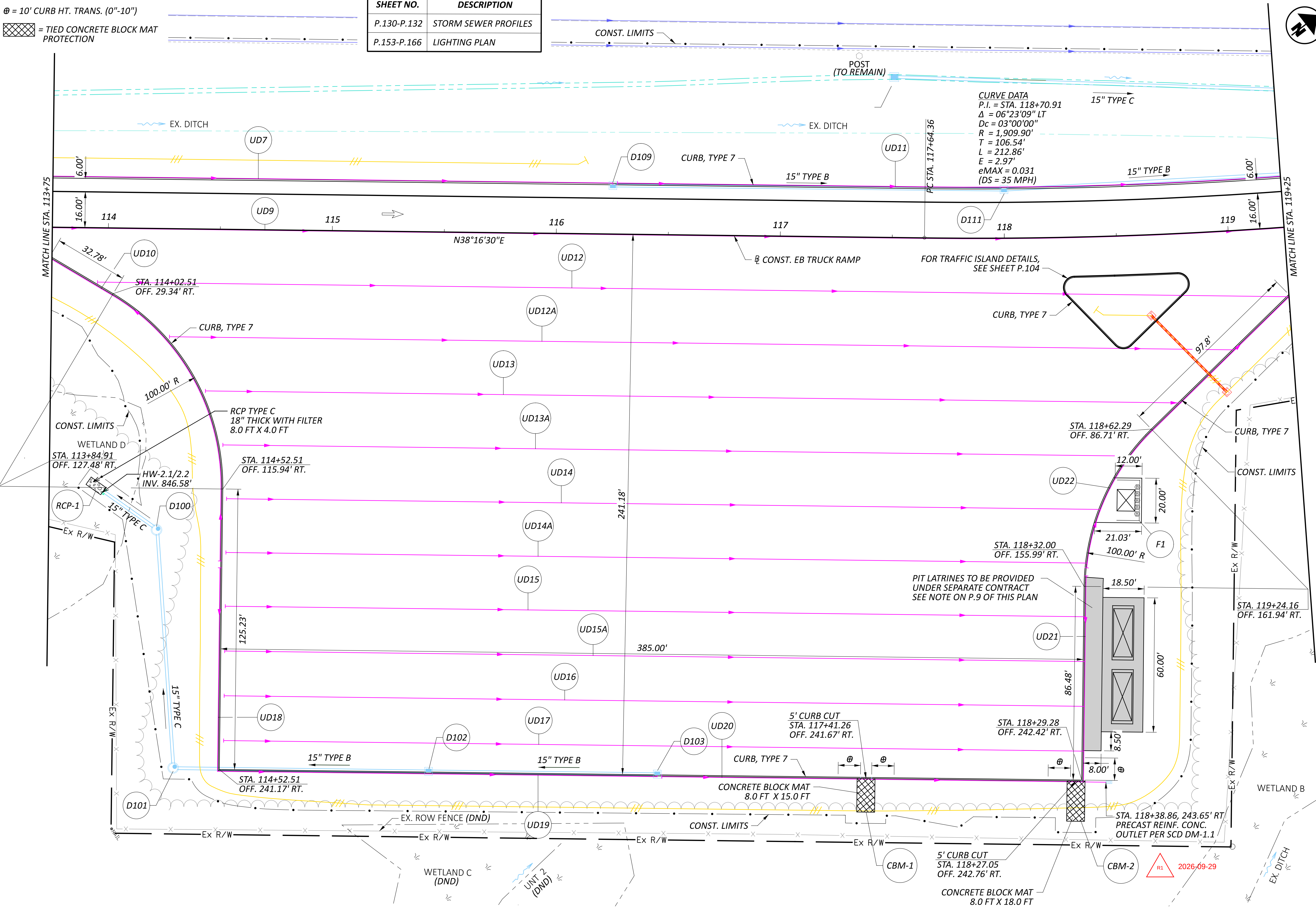
CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.130-P.132	STORM SEWER PROFILES
P.153-P.166	LIGHTING PLAN

CURVE DATA
P.I. = STA. 112+50.08
 $\Delta = 07^{\circ}00'19''$ LT
 $D_c = 03^{\circ}00'00''$
 $R = 1,909.90'$
 $T = 116.90'$
 $L = 233.52'$
 $E = 3.57'$
 $e_{MAX} = 0.031$
(DS = 35 MPH)



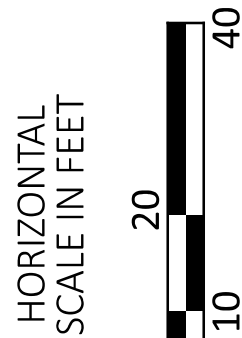
LEGEND:
(DND) = DO NOT DISTURB
 $\varnothing$ = 10' CURB HT. TRANS. (0"-10")
[Hatched Box] = TIED CONCRETE BLOCK MAT PROTECTION

CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.130-P.132	STORM SEWER PROFILES
P.153-P.166	LIGHTING PLAN



CURVE DATA
P.I. = STA. 118+70.91
 Δ = 06°23'09" LT
Dc = 03°00'00"
R = 1,909.90'
T = 106.54'
L = 212.86'
E = 2.97'
eMAX = 0.031
(DS = 35 MPH)

PLAN - EASTBOUND TRUCK PARKING
STA. 113+75.00 TO STA. 119+25.00



DESIGN AGENCY



DESIGNER

CJR

REVIEWER

TSB 04/27/26

PROJECT ID

122876

SHEET

P.25

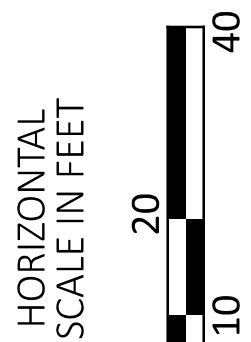
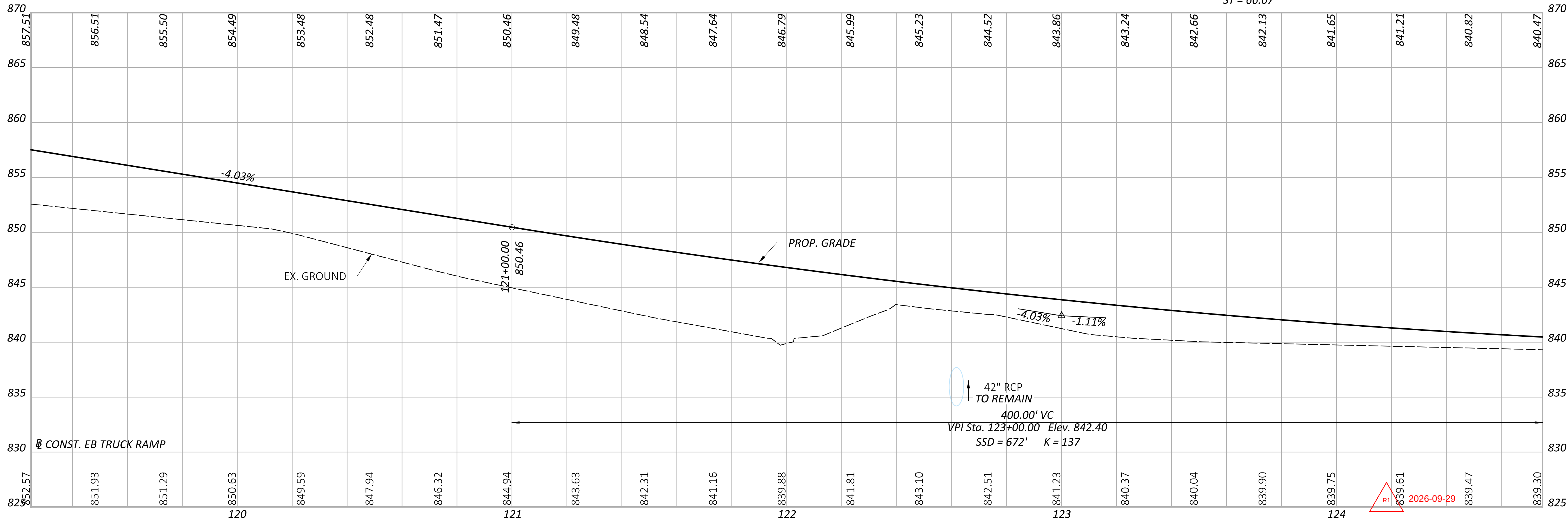
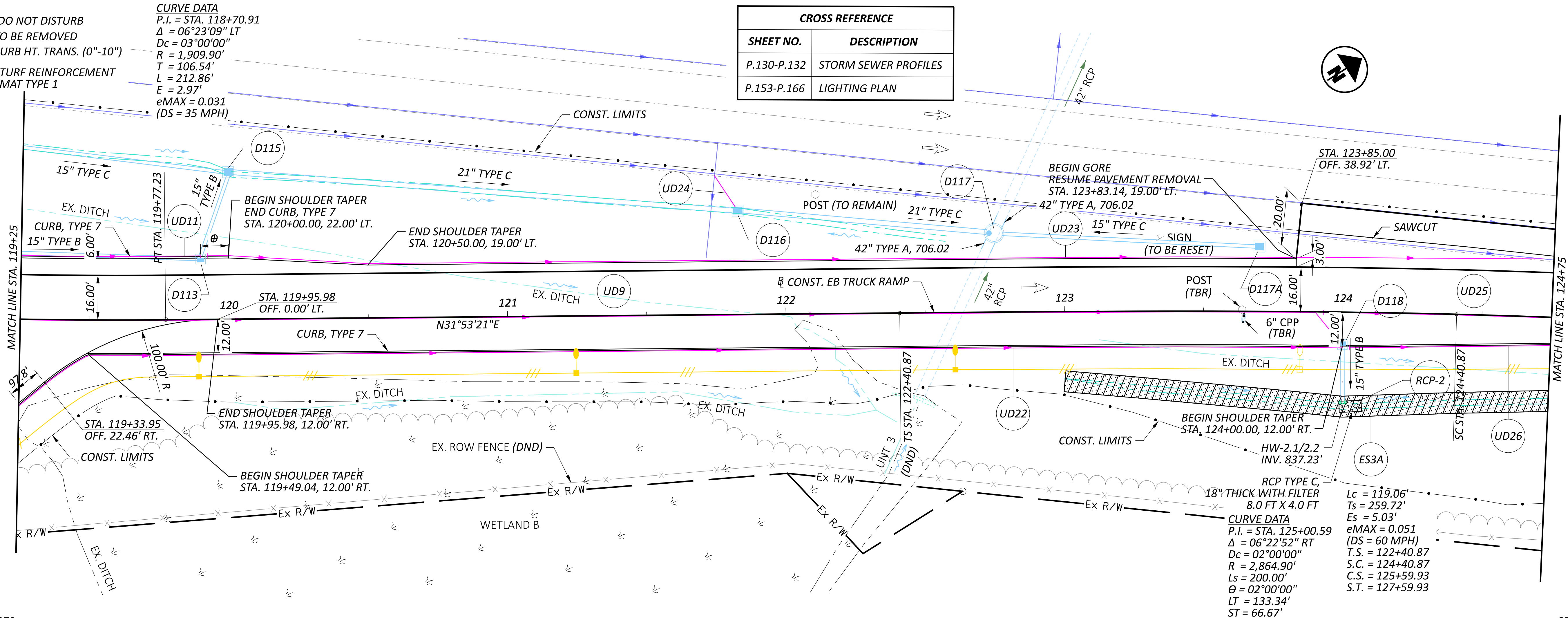
TOTAL

182

LEGEND:
(DND) = DO NOT DISTURB
(TBR) = TO BE REMOVED
 $\varnothing = 10'$ CURB HT. TRANS. (0"-10")
[Hatched Box] = TURF REINFORCEMENT MAT TYPE 1

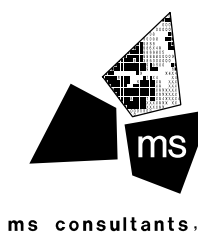
CURVE DATA
P.I. = STA. 118+70.91
 $\Delta = 06^{\circ}23'09''$ LT
 $D_c = 03^{\circ}00'00''$
 $R = 1,909.90'$
 $T = 106.54'$
 $L = 212.86'$
 $E = 2.97'$
 $e_{MAX} = 0.031$
(DS = 35 MPH)

CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.130-P.132	STORM SEWER PROFILES
P.153-P.166	LIGHTING PLAN



PLAN AND PROFILE - EASTBOUND TRUCK PARKING
STA. 119+25.00 TO STA. 124+75.00

DESIGN AGENCY



DESIGNER

CJR

REVIEWER

TSB 04/27/26

PROJECT ID

122876

SHEET

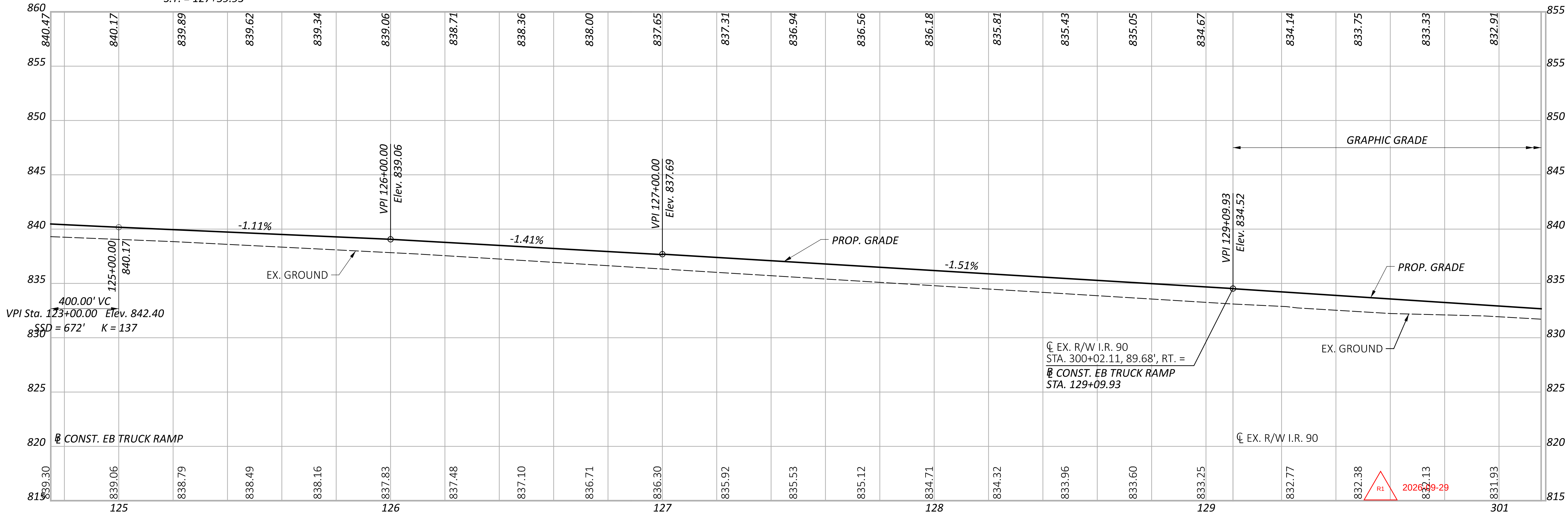
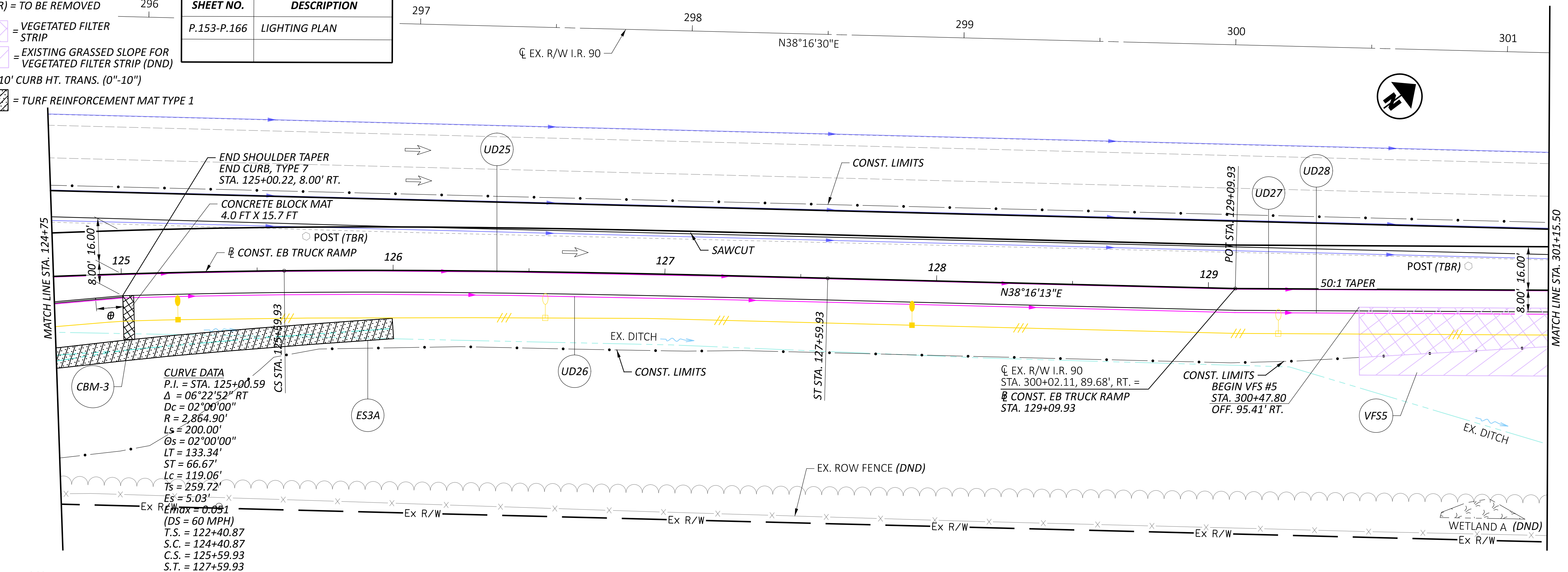
P.27

TOTAL

182

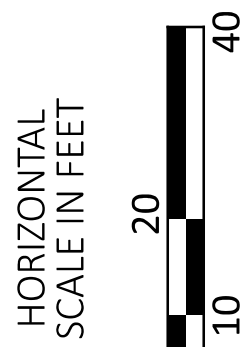
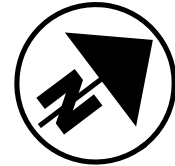
LEGEND:
(DND) = DO NOT DISTURB
(TBR) = TO BE REMOVED
= VEGETATED FILTER STRIP
= EXISTING GRASSED SLOPE FOR VEGETATED FILTER STRIP (DND)
= 10' CURB HT. TRANS. (0"-10")
= TURF REINFORCEMENT MAT TYPE 1

CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.153-P.166	LIGHTING PLAN



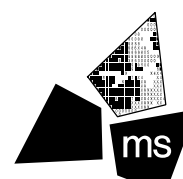
LEGEND:
[Hatched Box] = VEGETATED FILTER STRIP
[Hatched Box] = EXISTING GRASSED SLOPE FOR VEGETATED FILTER STRIP (DND)
(DND) = DO NOT DISTURB
(TBR) = TO BE REMOVED
(TBRL) = TO BE RELOCATED

CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.153-P.166	LIGHTING PLAN



PLAN AND PROFILE - EASTBOUND TRUCK PARKING
STA. 301+15.50 TO STA. 306+65.61 (EX. I.R. 90)

DESIGN AGENCY



ms consultants, inc.

DESIGNER

CJR

REVIEWER

TSB 04/27/26

PROJECT ID

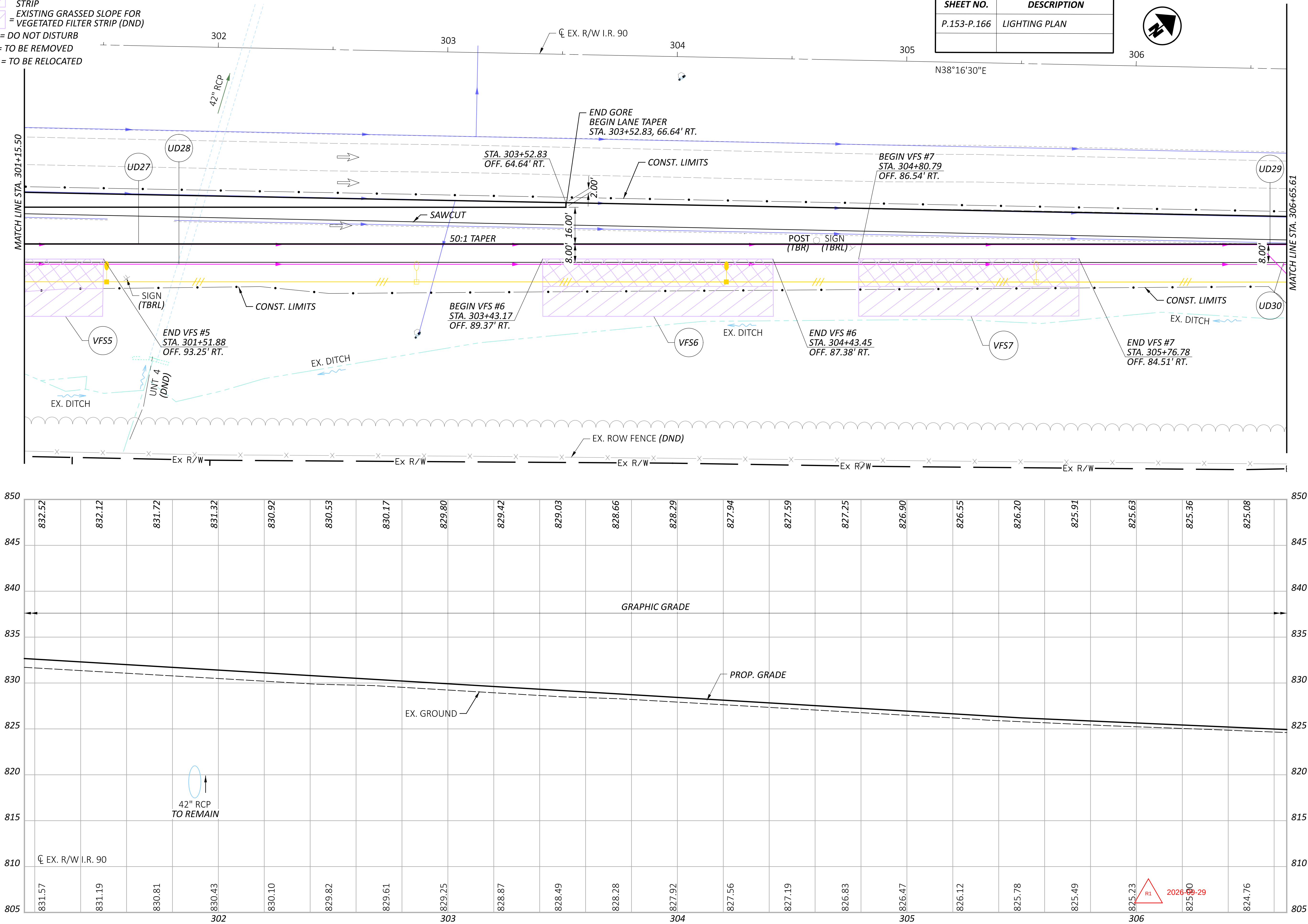
122876

SHEET

P.29

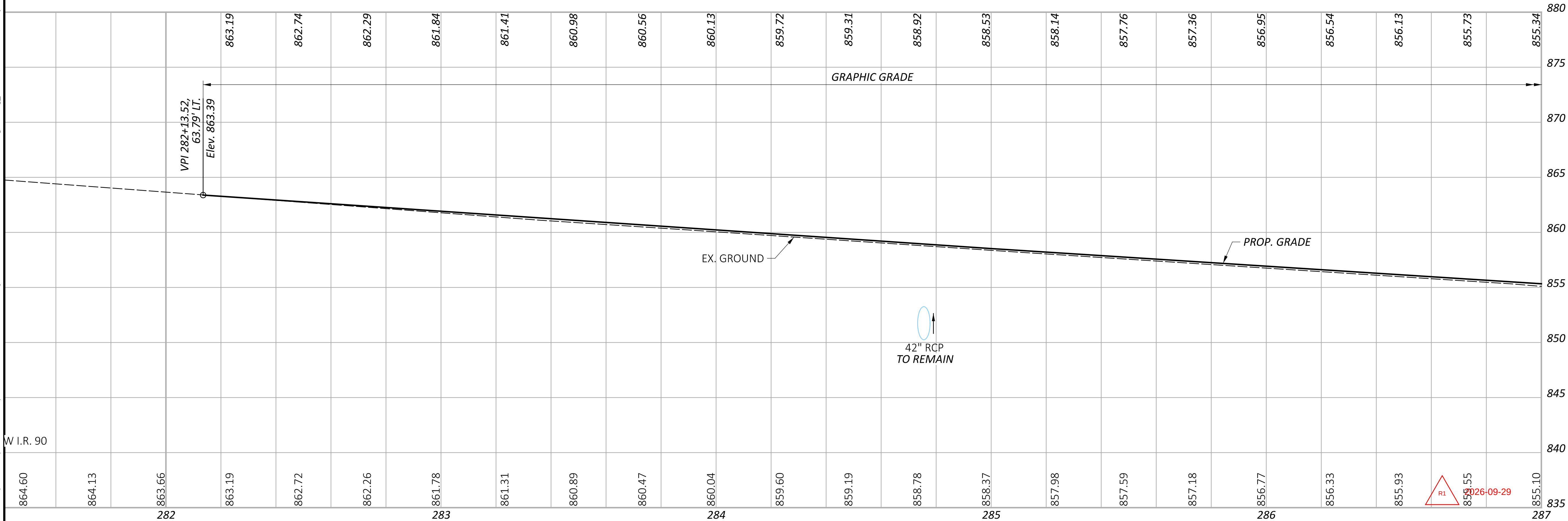
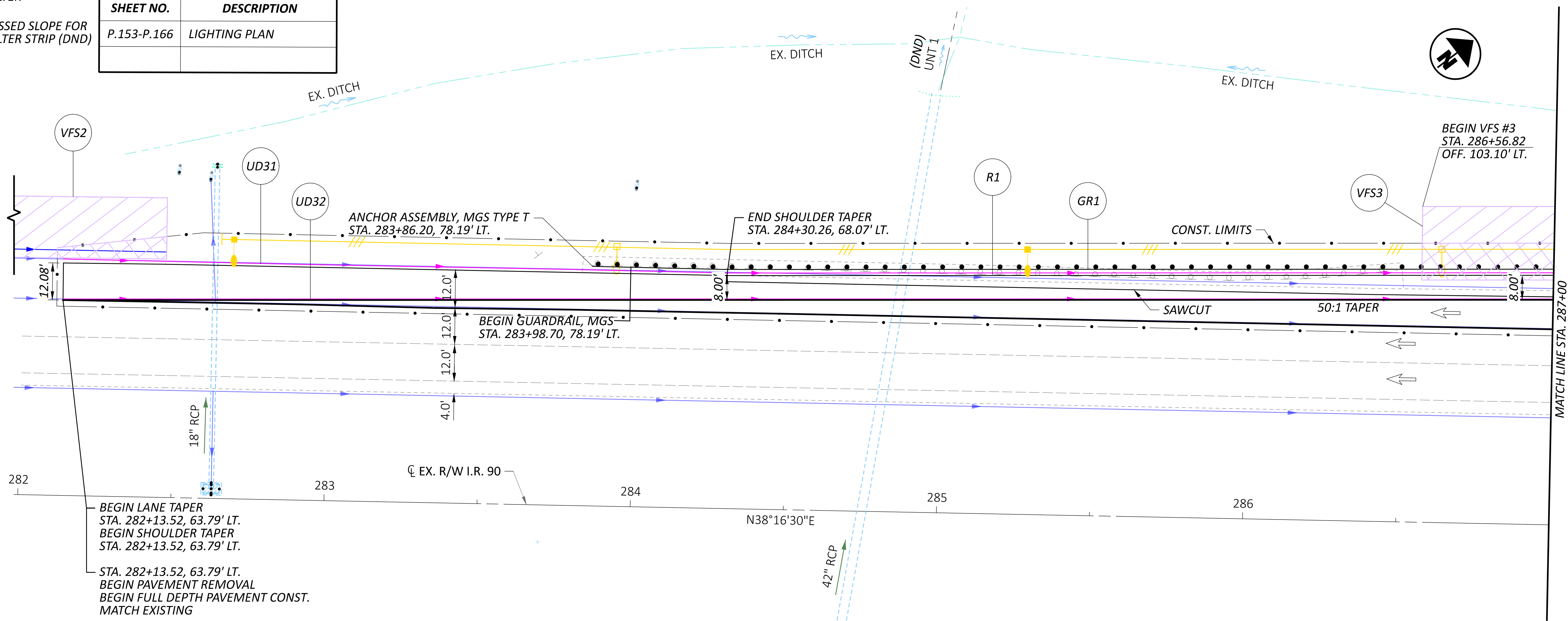
TOTAL

182



- LEGEND:**
-  = VEGETATED FILTER STRIP
 -  = EXISTING GRASSED SLOPE FOR VEGETATED FILTER STRIP (DND)

CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.153-P.166	LIGHTING PLAN



PLAN AND PROFILE-WESTBOUND TRUCK PARKING
STA. 282+00.00 TO STA. 287+00.00 (EX. I.R 90)

DESIGN AGENCY



DESIGNER

CJR

REVIEWER

TSB 04/27/26

PROJECT ID

122876

SHEET

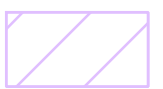
P.32

TOTAL

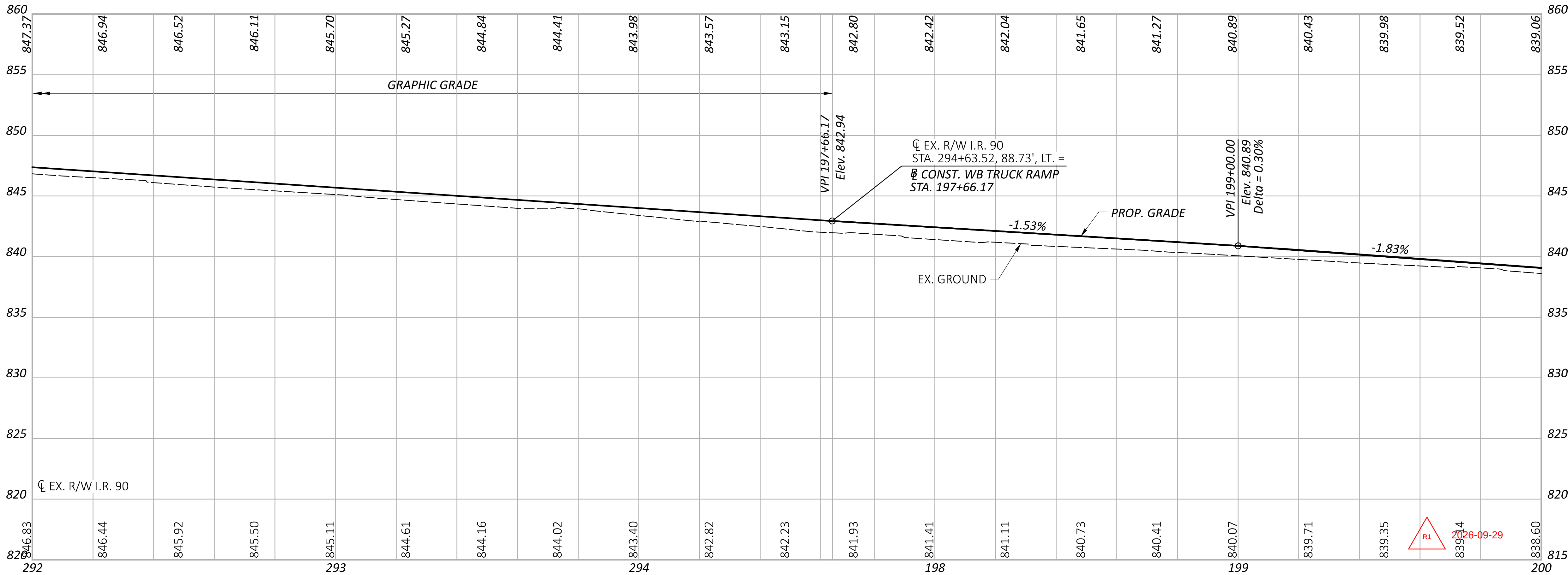
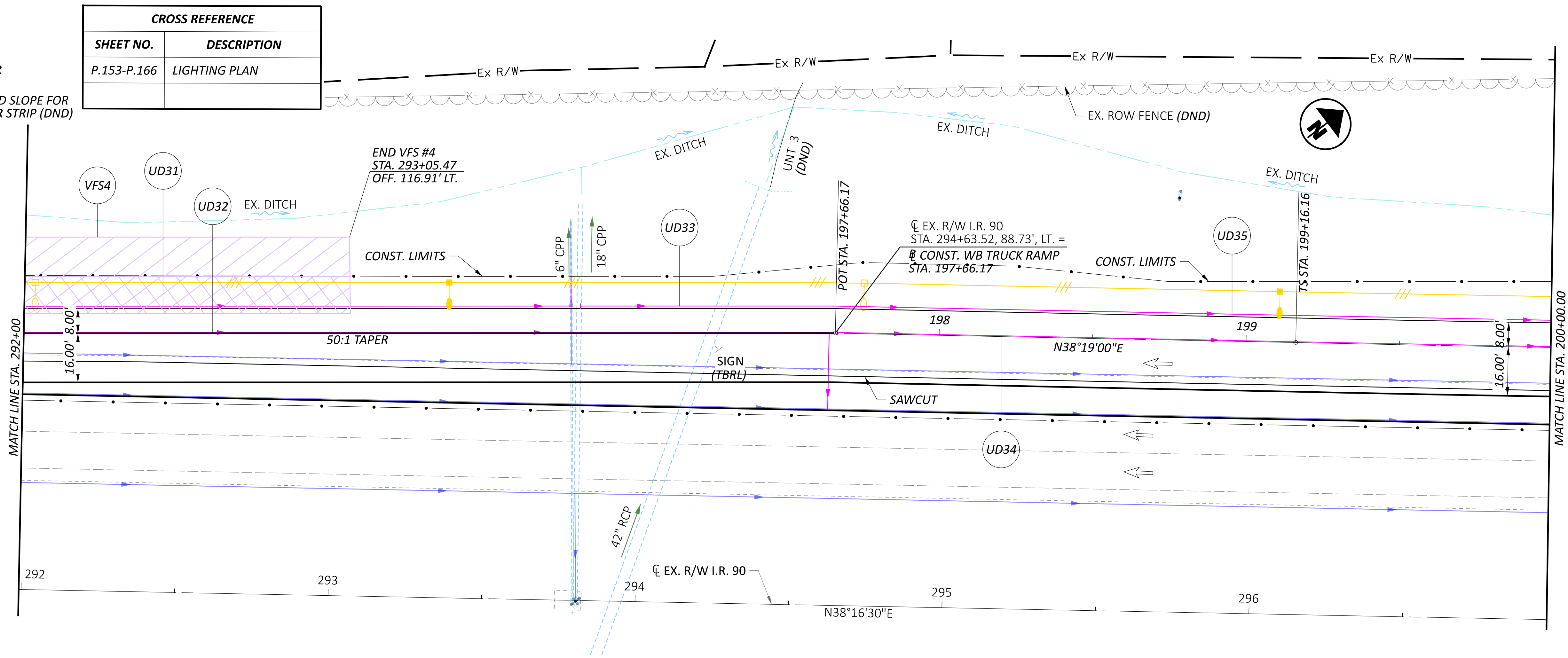
182



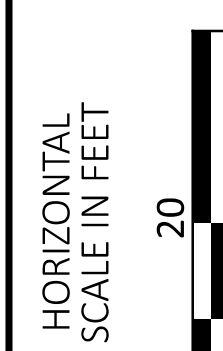
LEGEND:
(DND) = DO NOT DISTURB
(TBRL) = TO BE RELOCATED

 = VEGETATED FILTER STRIP
 = EXISTING GRASSED SLOPE FOR VEGETATED FILTER STRIP (DND)

CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.153-P.166	LIGHTING PLAN



PLAN AND PROFILE-WESTBOUND TRUCK PARKING
STA. 292+00.00 (EX. I.R. 90) TO STA. 200+00.00



DESIGN AGENCY



DESIGNER
CJR

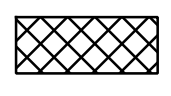
REVIEWER
TSB 04/27/26

PROJECT ID
122876

SHEET TOTAL
P.34 182

LEGEND:

(DND) = DO NOT DISTURB

 = TIED CONCRETE BLOCK
MAT PROTECTION

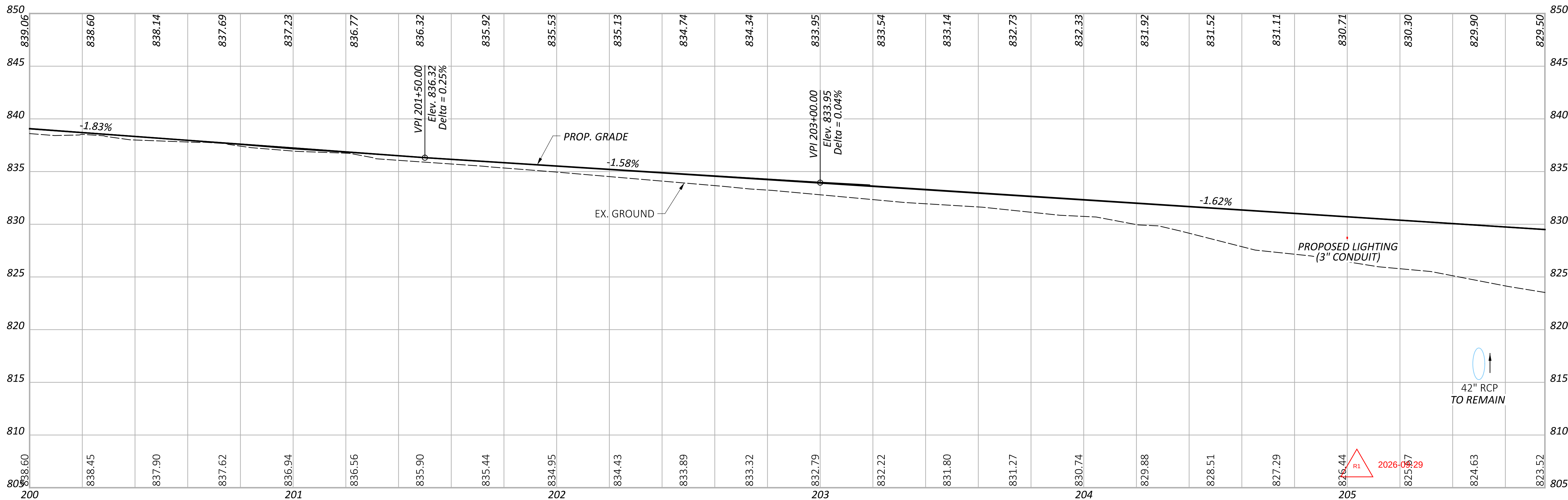
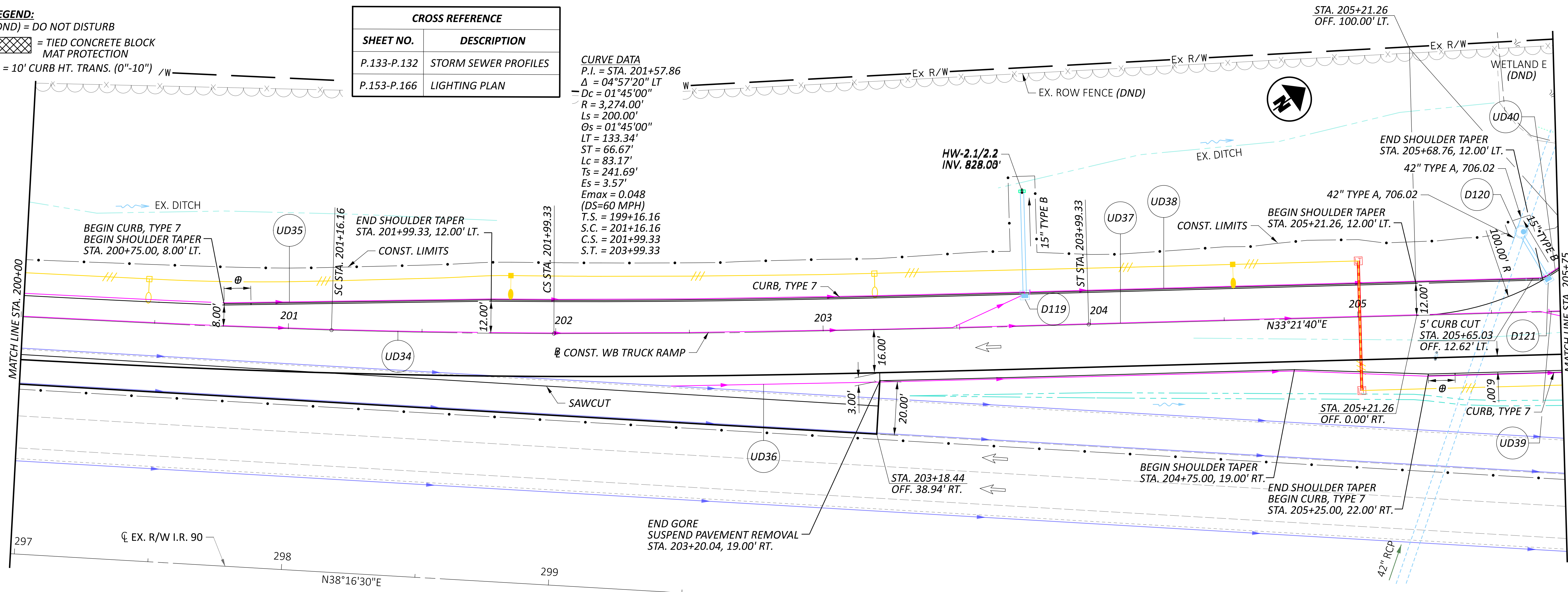
θ = 10' CURB HT. TRANS. (0"-10") / W

CROSS REFERENCE

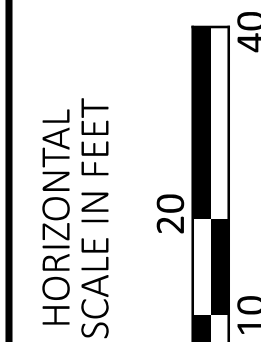
SHEET NO.	DESCRIPTION
P.133-P.132	STORM SEWER PROFILES
P.153-P.166	LIGHTING PLAN

CURVE DATA

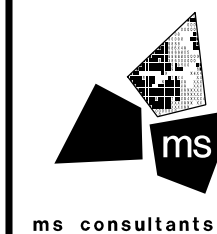
P.I. = STA. 201+57.86
 Δ = 04°57'20" LT
 D_c = 01°45'00"
 R = 3,274.00'
 L_s = 200.00'
 O_s = 01°45'00"
 LT = 133.34'
 ST = 66.67'
 L_c = 83.17'
 T_s = 241.69'
 E_s = 3.57'
 E_{max} = 0.048
(DS=60 MPH)
 $T.S.$ = 199+16.16
 $S.C.$ = 201+16.16
 $C.S.$ = 201+99.33
 $S.T.$ = 203+99.33



PLAN AND PROFILE-WESTBOUND TRUCK PARKING
STA. 200+00.00 TO STA. 205+75.00



DESIGN AGENCY



DESIGNER

CJR

REVIEWER

TSB 04/27/26

PROJECT ID

122876

SHEET

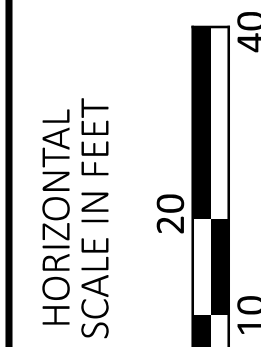
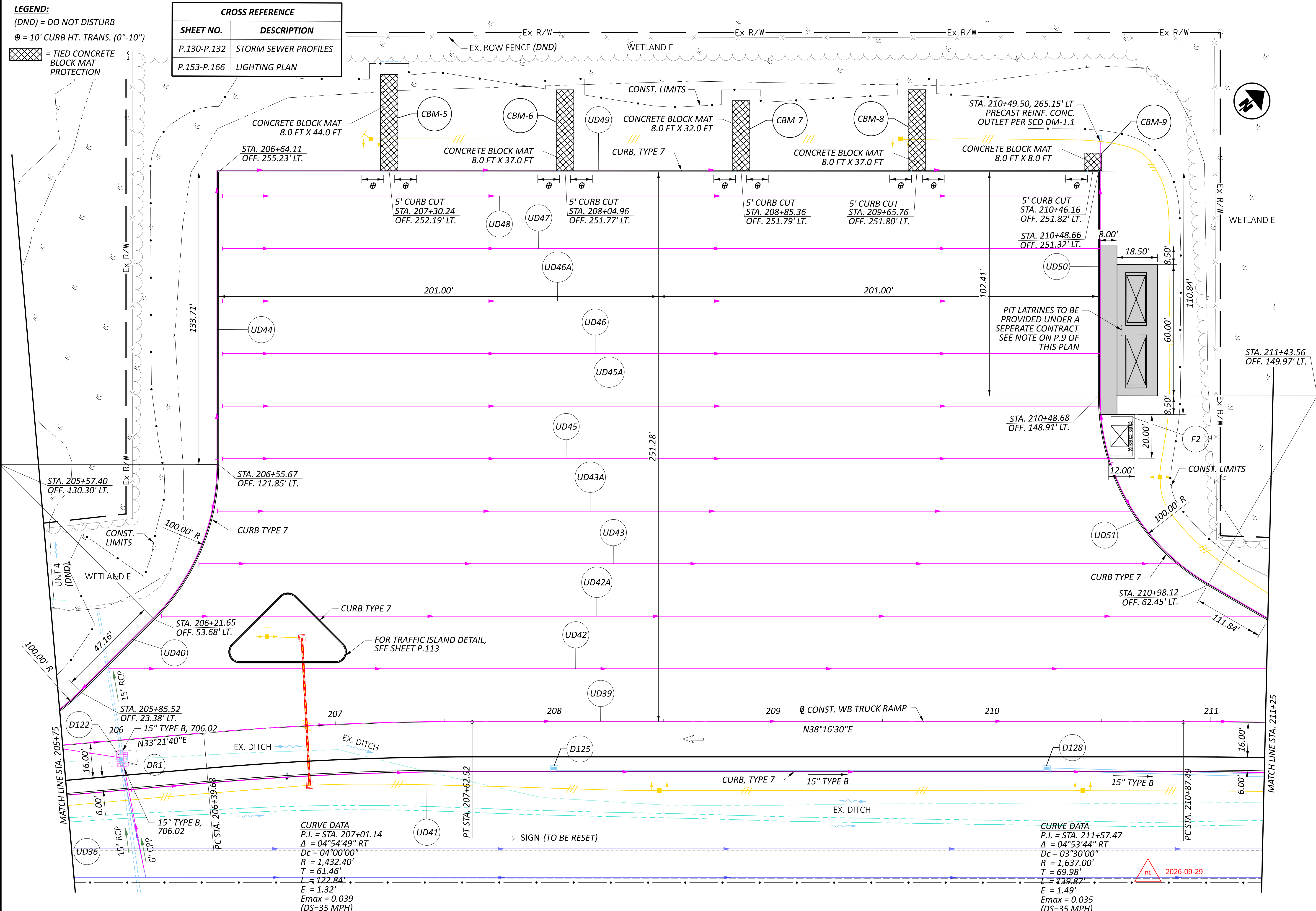
P.35

TOTAL

182

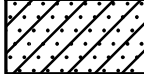
LEGEND:
 (DND) = DO NOT DISTURB
 $\phi = 10'$ CURB HT. TRANS. (0"-10")
 = TIED CONCRETE BLOCK MAT PROTECTION

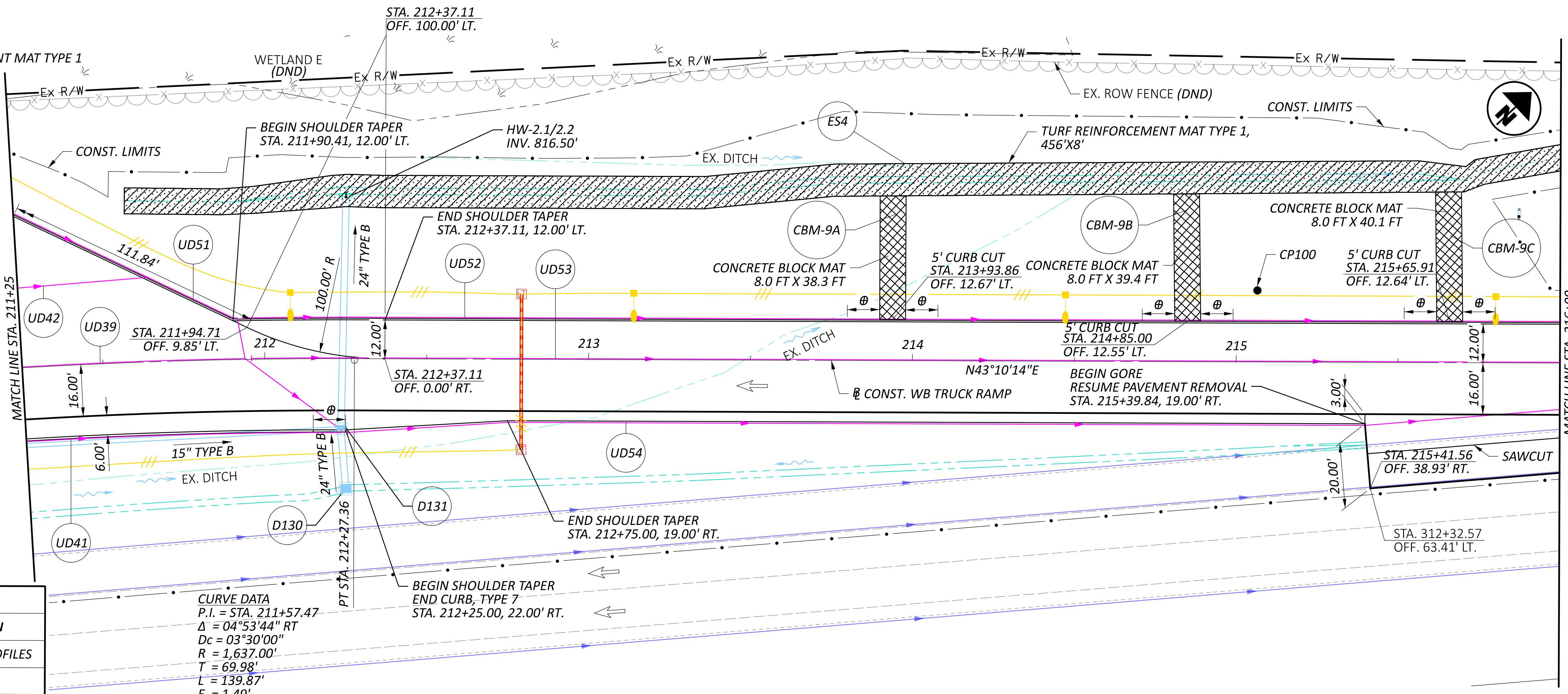
CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.130-P.132	STORM SEWER PROFILES
P.153-P.166	LIGHTING PLAN



PLAN AND PROFILE-WESTBOUND TRUCK PARKING
 STA. 205+75.00 TO STA. 211+25.00

LEGEND:
 (DND) = DO NOT DISTURB

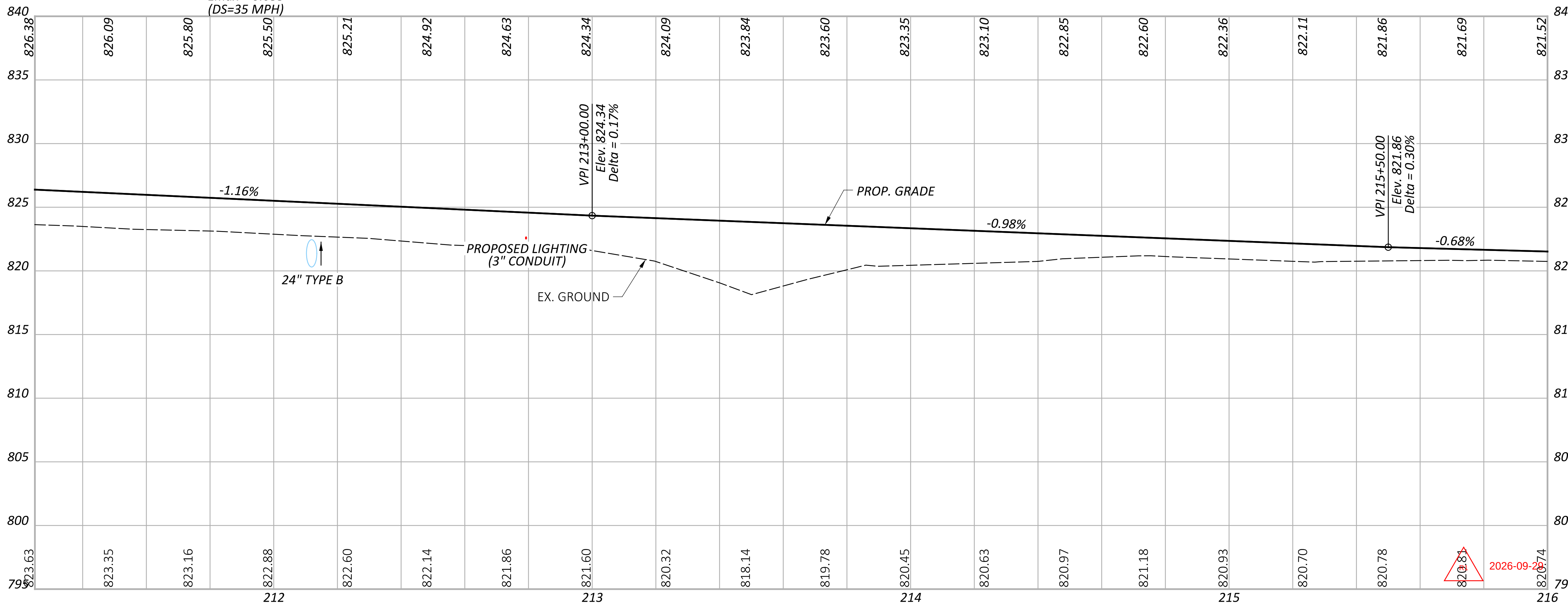
 = TURF REINFORCEMENT MAT TYPE 1



CROSS REFERENCE

SHEET NO.	DESCRIPTION
P.130-P.132	STORM SEWER PROFILES
P.153-P.166	LIGHTING PLAN

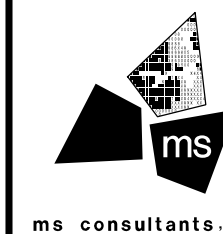
CURVE DATA
 P.I. = STA. 211+57.47
 $\Delta = 04^{\circ}53'44''$ RT
 $D_c = 03^{\circ}30'00''$
 $R = 1,637.00'$
 $T = 69.98'$
 $L = 139.87'$
 $E = 1.49'$
 $E_{max} = 0.035$
 (DS=35 MPH)



PLAN AND PROFILE-WESTBOUND TRUCK PARKING
 STA. 211+25.00 TO STA. 216+00.00



DESIGN AGENCY



DESIGNER

CJR

REVIEWER

TSB 04/27/26

PROJECT ID

122876

SHEET

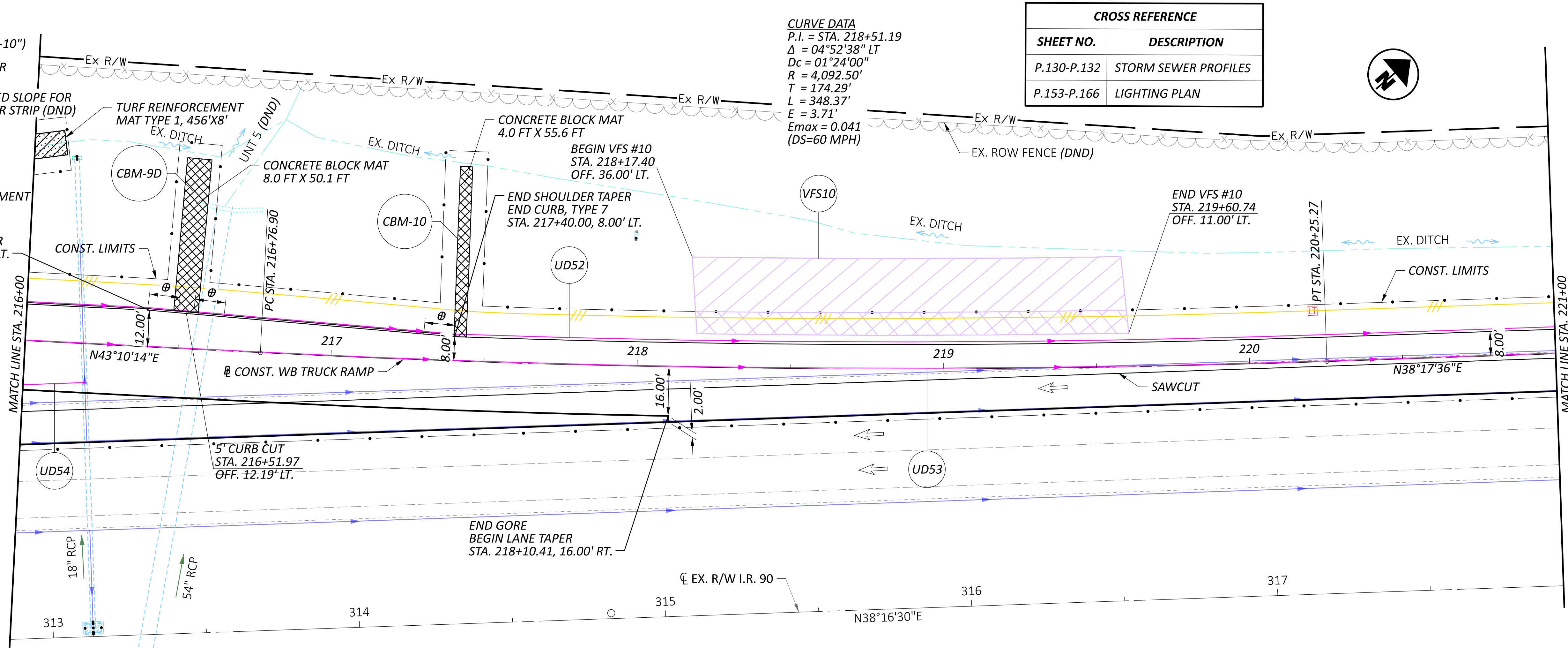
P.38

TOTAL

182

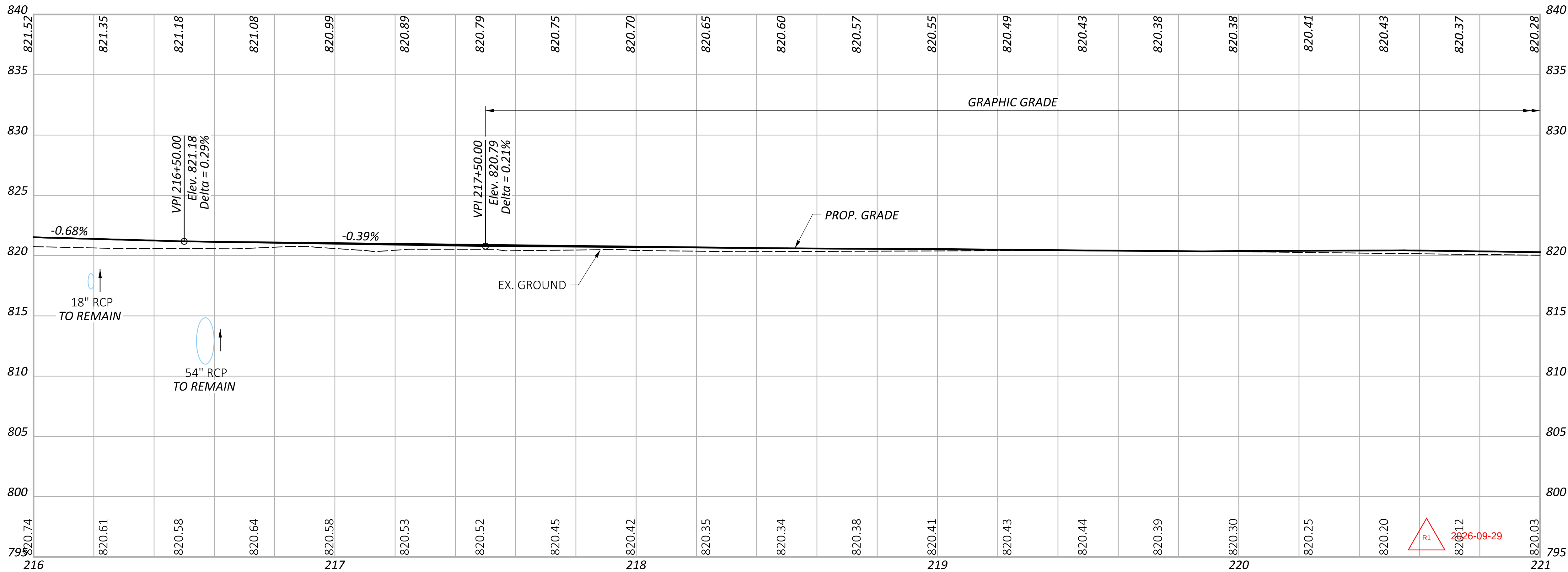
LEGEND:

- $\theta = 10'$ CURB HT. TRANS. (0"-10")
 = VEGETATED FILTER STRIP
 = EXISTING GRASSED SLOPE FOR VEGETATED FILTER STRIP (DND)
 (DND) = DO NOT DISTURB
 = TIED CONCRETE BLOCK MAT PROTECTION
 = TURF REINFORCEMENT MAT TYPE 1

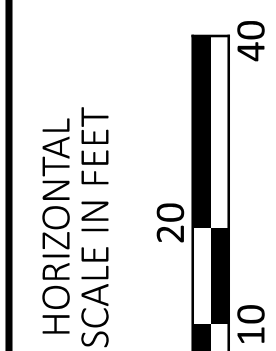


CURVE DATA
 P.I. = STA. 218+51.19
 $\Delta = 04^{\circ}52'38''$ LT
 $D_c = 01^{\circ}24'00''$
 $R = 4,092.50'$
 $T = 174.29'$
 $L = 348.37'$
 $E = 3.71'$
 $E_{max} = 0.041$
 (DS=60 MPH)

CROSS REFERENCE	
SHEET NO.	DESCRIPTION
P.130-P.132	STORM SEWER PROFILES
P.153-P.166	LIGHTING PLAN



PLAN AND PROFILE-WESTBOUND TRUCK PARKING
 STA. 216+00.00 TO STA. 221+00.00



DESIGN AGENCY



DESIGNER
 CJR

REVIEWER
 TSB 04/27/26

PROJECT ID
 122876

SHEET TOTAL
 P.39 182



**US Army Corps of Engineers
Huntington District**

Permit Number: 2026-00761-ASH

Name of Permittee: Ohio Department of Transportation

Date of Issuance: September 16, 2026

Upon completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the following address:

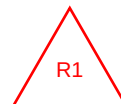
U.S. Army Corps of Engineers - Huntington District
Building 10/ Section 10
PO Box 3990
Columbus, OH 43218-3990

Please note that your permitted activity is subject to a compliance inspection by an U.S. Army Corps of Engineers representative. If you fail to comply with this permit, you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of the said permit, and required mitigation was completed in accordance with the permit conditions.

Signature of Permittee

Date



2026-09-29