



CANNON & CANNON, INC. (AN ARDURRA COMPANY)
10025 INVESTMENT DRIVE, SUITE 120
KNOXVILLE, TN 37932
REBECCA BOTTOMS, P.E. NO. 102750

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SIGNATURE SHEETS	ROADWAY-SIGN1
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TRAFFIC CONTROL PLANS	T1



CANNON & CANNON, INC. (AN ARDURRA COMPANY)
10025 INVESTMENT DRIVE, SUITE 120
KNOXVILLE, TN 37932
DERICK WILLIAMS, P.E. NO. 124858

SHEET NAME	SHEET NO.
SIGNATURE SHEETS.....	ROADWAY-SIGN1
ESTIMATED ROADWAY QUANTITIES.....	2G
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PROPOSED LAYOUT(S)	4B – 8B

YEAR	PROJECT NO.	SHEET NO.
2026	861026-S3-004	ROADWAY-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE SHEETS

Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

THIS PROJECT IS TO BE BRACKETED WITH:
CARTER COUNTY I-26
(PIN: 133545.00)

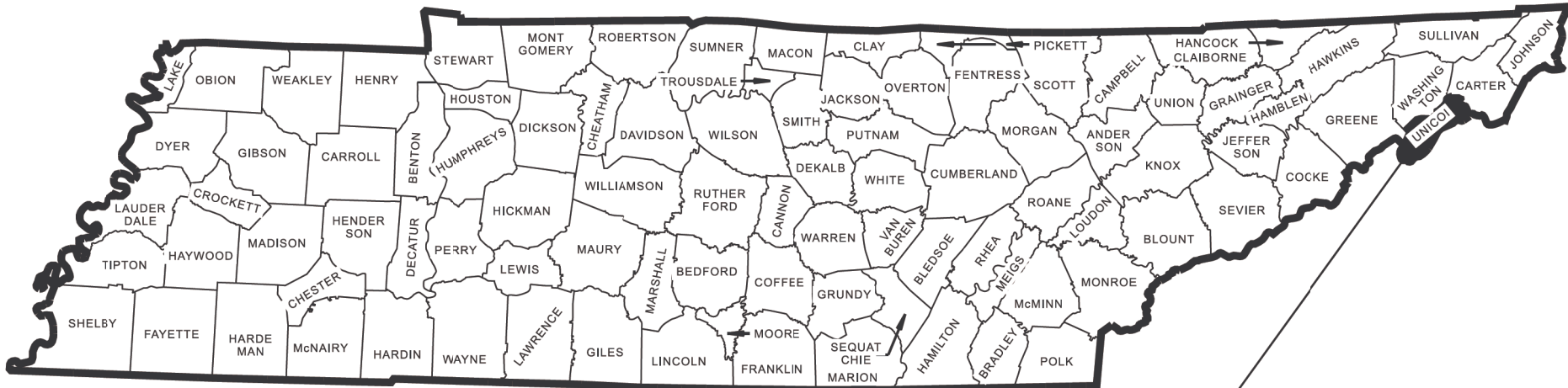
UNICOI COUNTY

I-26: INTERCHANGE AT SR-173 (SM)(GFT-22)

PS&E
(INTERCHANGE LIGHTING)
STATE HIGHWAY NO. N/A F.A.H.S. NO. I-26

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	YES	NO X
WORK ZONE SIGNIFICANCE DETERMINATION		
SIGNIFICANT	YES	NO X
RAILROAD INVOLVEMENT	YES	NO X

TENN.	YEAR 2026	SHEET NO. 1
FED. AID PROJ. NO.	N/A	
STATE PROJ. NO.	86I026-S3-004	



UNICOI COUNTY, I-26
BRIDGE ID. # 86I002600011, 86I00260012

NO EXCLUSIONS

PROJECT OF LIMITED SCOPE

BEGIN PROJECT NO. 86I026-S3-004 CONST.

STA. 101+60.00 I-26
N 703900.2536 E 3045870.3216

BEGIN PROJECT NO. 86I026-S1-004 R.O.W.

STA. 101+60.00 I-26
N 703900.2536 E 3045870.3216

END PROJECT NO. 86I026-S1-004 R.O.W.

STA. 146+90.00 I-26
N 700436.4883 E 3042991.3094

END PROJECT NO. 86I026-S3-004 CONST.

STA. 146+90.00 I-26
N 700436.4883 E 3042991.3094

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED APRIL 1, 2026 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

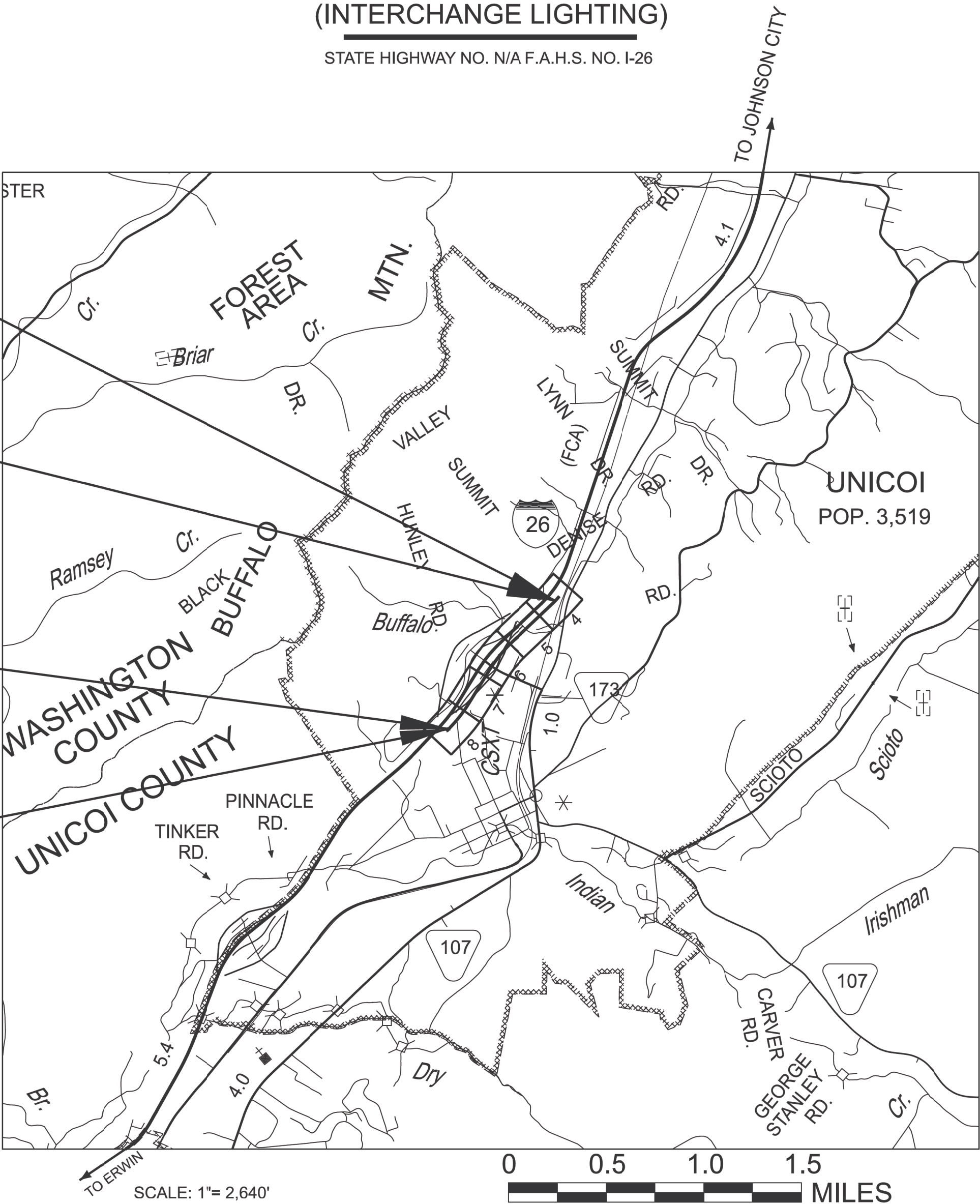
TDOT PROJECT MANAGER: ERIC WILSON, P.E.

DESIGN FIRM : CANNON & CANNON, INC. (AN ARDURRA COMPANY)

DESIGNER : REBECCA BOTTOMS, P.E., PTOE CHECKED BY : REBECCA HEADRICK, P.E.

P.E. NO. 86I026-S1-004 (DESIGN)

PIN NO. 133547.00



ROADWAY INDEX

SHEET NAME

SHEET NO.

DWG.

REV.

DESCRIPTION

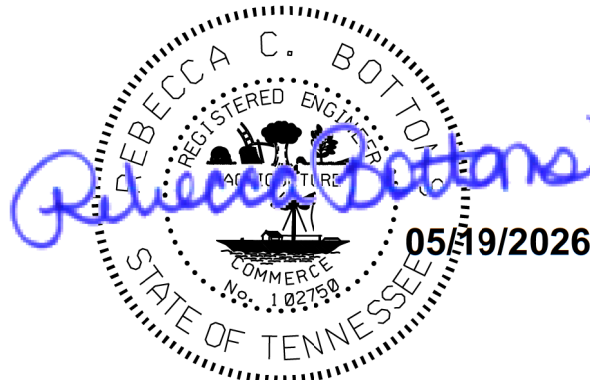
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GEOTECHNICAL PLANS.....	G-1
UTILITY PLANS.....	U1-1
NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS.	

STANDARD ROADWAY DRAWINGS

10-100.00 STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	01-30-26	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	10-01-24	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	07-30-24	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	02-20-20	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
10-109.00 EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-37	06-10-14	SEDIMENT TUBE

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	861026-S3-004	1A
PS&E	2026	861026-S3-004	1A

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

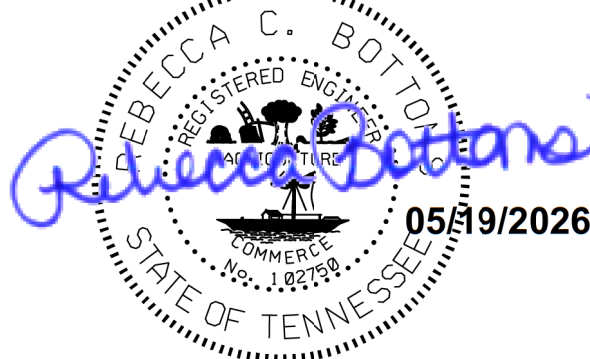
ROADWAY INDEX
AND
STANDARD
ROADWAY
DRAWINGS

STANDARD TRAFFIC DESIGN DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	861026-S3-004	1A3

DWG.	REV.	DESCRIPTION
10-202.00 LIGHTING AND UTILITY POLES		
T-L-1	07-15-24	STANDARD LIGHTING FOUNDATION DETAILS
T-L-1TM	07-15-24	STANDARD LIGHTING DETAILS TENON MOUNTED OFFSET LIGHTING SUPPORTS
T-L-3	07-15-24	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	07-15-24	STANDARD LIGHTING DETAILS CONDUIT, CABLE INSTALLATION
T-L-5		STANDARD LIGHTING DETAILS CONTROL CENTER DETAILS
10-204.00 DESIGN – TRAFFIC CONTROL		
T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-26-25	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
T-WZ-18	03-26-25	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-63	03-26-25	WORK ZONE IN THE VICINITY OF AN ENTRANCE RAMP
T-WZ-64	03-26-25	WORK ZONE IN THE VICINITY OF AN EXIT RAMP
T-WZ-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD

SEALED BY



REBECCA C. BOTTOMS
REGISTERED ENGINEER
TRANSPORTATION
LUMBERGE
NO. 18259
05/19/2026
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

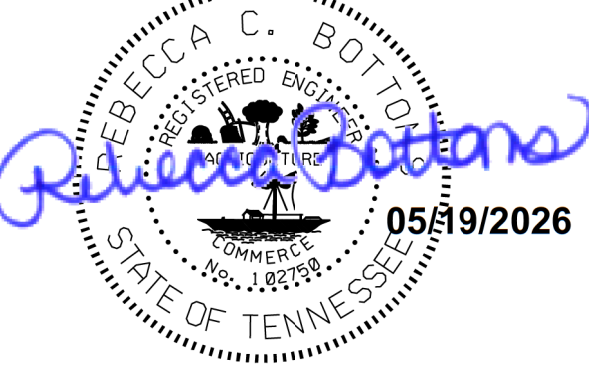
STANDARD
TRAFFIC
DESIGN
DRAWINGS

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
			861026-S3-004
(1)	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS 0.5
(1)	201-01	CLEARING AND GRUBBING	LS 0.5
(1)	712-01	TRAFFIC CONTROL	LS 0.5
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH 50
	712-06	SIGNS (CONSTRUCTION)	S.F. 760
	712-08.03	ARROW BOARD (TYPE C)	EACH 2
(2)	714-03	JACKED OR BORED CONDUIT	L.F. 965
	714-03.01	DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	L.F. 10200
	714-04.01	CONDUIT (STRUCTURES - 1" RGS)	L.F. 110
	714-05.04	PULL BOXES (TYPE C)	EACH 29
	714-05.05	PULL BOXES (SURFACE MOUNTED JUNCTION BOX - 6" X 6")	EACH 6
	714-06.04	CABLE (1/C # 8 AWG)	L.F. 32500
(3)	714-08.09	LIGHT STANDARDS (45' MH., OFFSET)	EACH 21
(3)	714-08.10	LIGHT STANDARDS (HIGH MAST - 135')	EACH 4
(4)	714-08.20	FOUNDATION (ONLY) FOR LIGHT STANDARD	EACH 21
(5)	714-08.27	FOUNDATION FOR LIGHT STANDARD - HIGH MAST (135')	EACH 4
	714-09.48	LED LUMINAIRES (180 WATT, OFFSET)	EACH 21
	714-09.64	LED LUMINAIRES-HIGH MAST (295 WATT)	EACH 24
	714-09.83	LED LUMINAIRES-UNDERPASS (35 WATT)	EACH 2
(9)	714-12.03	CONTROL CENTER (NO. 3)	LS 1
(9)	714-12.04	CONTROL CENTER (NO. 4)	LS 1
(6) (9)	714-25.03	ELECTRICAL CONNECTION (CONTROL CENTER NO. 3)	LS 1
(6) (9)	714-25.04	ELECTRICAL CONNECTION (CONTROL CENTER NO. 4)	LS 1
(1)	717-01	MOBILIZATION	LS 0.5
(7)	740-11.01	TEMPORARY SEDIMENT TUBE 8IN	L.F. 9900
(7)	801-01	SEEDING (WITH MULCH)	UNIT 99
(7) (8)	801-03	WATER (SEEDING & SODDING)	M.G. 9.9

FOOTNOTES	
(1)	THIS PROJECT IS TO BE BRACKETED WITH CARTER COUNTY I-26 (PIN: 133545.00).
(2)	DIRECTIONAL BORE ONLY TO BE USED. SHALL BE SCHEDULE 80 PVC. INCLUDES LINEAR FEET OF 2" CONDUIT. NUMBER OF CONDUITS PER CROSSING VARIES AT EACH BORE LOCATION. ONE (1) SPARE CONDUIT IS PROVIDED AT EACH ROADWAY CROSSING. INCLUDES THE COST OF THE POLYLINE PULL STRING IN THE SPARE CONDUIT.
(3)	BID ITEM SHALL INCLUDE THE COST OF ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE INSTALLATION OF THE POLE.
(4)	FOR ITEM NO. 714-08.09.
(5)	FOR ITEM NO. 714-08.10. FOUNDATION TO BE DESIGNED BY CONTRACTOR (SEE STD. DWG T-L-1). BID ITEM SHALL INCLUDE THE COST OF ALL MATERIALS AND LABOR NECESSARY FOR COMPLETE DESIGN AND INSTALLATION OF THE FOUNDATION.
(6)	THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING THE LOCAL UTILITY TO OBTAIN THE ESTIMATE FOR ANY CHARGES BY THE UTILITY FOR PROVIDING ELECTRICAL SERVICE TO THE LIGHTING SYSTEM. THESE CHARGES SHALL BE INCLUDED IN THE PRICE BIDE FOR ITEM 714-25.03 & 714-25.04 FOR PAYMENT BY THE CONTRACTOR. BID ITEM SHALL ALSO INCLUDE TRANSFORMER, RISER, CONDUIT, CONDUCTORS AND ALL INCIDENTALS NECESSARY FOR COMPLETE CONNECTION TO THE PROPOSED POWER SOURCE.
(7)	SEE SUBSECTION 209.307 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
(8)	INCLUDES 9.9 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.
(9)	PROJECT IS BRACKETED WITH CARTER COUNTY I-26 AT S.R. 359 INTERCHANGE LIGHTING PROJECT (PIN 133545.00). CONTROL CENTER NO. 1 AND 2 ARE LOCATED IN THE CARTER COUNTY PROJECT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	861026-S3-004	2
PS&E	2026	861026-S3-004	2

SEALED BY


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STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
ESTIMATED ROADWAY QUANTITIES

GENERAL NOTES

GRADING

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- (3) THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) WITHOUT APPROVAL BY FEMA. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.

SEEDING AND SODDING

- (4) ITEM NO. 801-01, SEEDING (WITH MULCH), SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.

MISCELLANEOUS

- (3) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

SIGNING

- (10) ALL SIGNS WHICH INTERFERE WITH CONSTRUCTION WILL BE RELOCATED OUTSIDE LIMITS OF CONSTRUCTION BY THE CONTRACTOR. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR WILL RESTORE THE SIGNS TO ORIGINAL LOCATION. THE CONTRACTOR SHALL CHECK WITH THE REGIONAL TRAFFIC ENGINEER PRIOR TO MOVING ANY PERMANENT SIGNS.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (1) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (2) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
- (3) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.
- (4) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (5) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.
- (6) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK

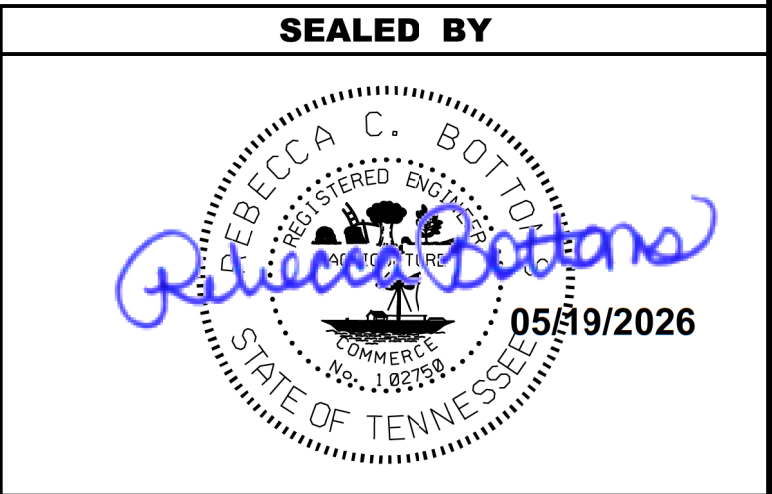
WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

- (7) ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-06, SIGNS (CONSTRUCTION), S.F.

LIGHTING

- (1) INSTALLATION AND MATERIALS SHALL COMPLY WITH SECTIONS 714 AND 917 OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED APRIL 1, 2026 AND WITH THE LATEST REVISIONS TO THE NATIONAL ELECTRIC CODE, NFPA 70.
- (2) ALL WIRING SHALL BE CONCEALED UNDERGROUND IN 2-INCH SCHEDULE 40 PVC RIGID CONDUIT.
- (3) THE GROUND WIRE SHALL BE RUN INSIDE CONDUIT WITHIN STRUCTURES, SHALL BE COLORED GREEN AND HAVE THW INSULATION.
- (5) ALL INCIDENTAL EQUIPMENT AND MATERIAL REQUIRED FOR THE SUCCESSFUL EXECUTION OF THIS WORK SHALL BE FURNISHED IN 714 ITEMS WHETHER SPECIFICALLY NOTED OR NOT.
- (6) LIGHT STANDARDS SHALL BE ROUND TAPERED POLES. LENGTH SHALL BE DETERMINED BY REQUIRED MOUNTING HEIGHT.
- (7) STANDARDS SHALL BE DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS.
- (8) STANDARDS SHALL BE DESIGNED FOR A BASIC WIDE SPEED OF 120-MPH AND SHALL SUPPORT A 62-POUND LUMINAIRE ON A 15-FOOT ARM.
- (9) ALL NEW ROADWAY LIGHT STANDARDS SHALL BE MOUNTED ON BASES WITH ACCESS DOOR. TRANSFORMER BASES SHALL MEET AASHTO SPECIFICATIONS AND HAVE FHWA APPROVAL. STANDARDS SHALL BE ALUMINUM WITH TRANSFORMER BASES.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	861026-S3-004	2C
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL
NOTES

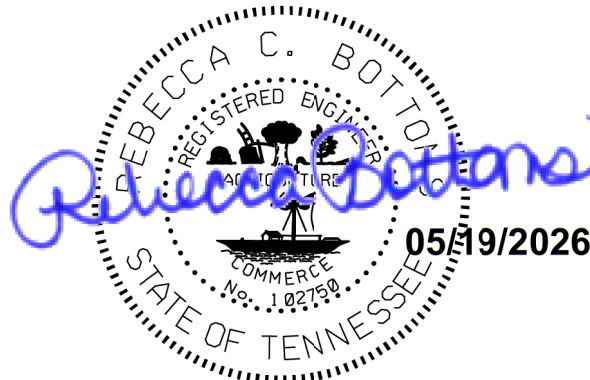
SPECIAL NOTES

LIGHTING

- (1) POLES MAY BE ADJUSTED UP TO 5' HORIZONTALLY. ANY ADJUSTEMENT GREATER THAN 5' SHALL BE APPROVED BY THE ENGINEER.
- (2) LUMINAIRE MOUNTING HEIGHTS REPRESENT THE VERTICAL DISTANCE FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE LUMINAIRE LIGHT SOURCE. POLE LENGTH MAY NOT BE THE SAME AS THE LUMINAIRE MOUNTING HEIGHT DUE TO THE BRACKET ARM UPSWEEP, MOUNTING LOCATION, AND TOPOGRAPHY. CONTRACTOR TO VERIFY POLE LENGTHS PRIOR TO ORDERING POLES.
- (3) SOME UTILITIES MAY REQUIRE LOCATION BY HAND DIGGING PRIOR TO PROPOSED LIGHT POLE INSTALLATION.
- (4) ONLY QUALIFIED MANUFACTURERS WILL MANFACTURE THE SPECIFIED POLES. RESPONSIBILITY FOR COMPLIANCE WITH THE SPECIFICATIONS REMAINS WITH THE CONTRACTOR. THE MANUFACTURER WILL SUPPLY A CERTIFICATE OF COMPLIANCE TO SPECIFICATION BY AN INDEPENDENT TESTING LABORATORY HIRED BY THE MANUFACTURER AND APPROVED BY THE STATE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	861026-S3-004	2D

SEALED BY



REBECCA C. BOTTOM
REGISTERED ENGINEER
LUMBERVILLE
TENN.
18259
05/19/2026
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL
NOTES

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

- (1)

SOIL MATERIALS MUST BE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. EPSC MEASURES TO PROTECT NATURAL RESOURCES AND WATER QUALITY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. APPROPRIATE EPSC MEASURES MUST BE INSTALLED ALONG THE BASE OF ALL FILLS AND CUTS, ON THE DOWNHILL SIDE OF STOCKPILED SOIL, AND ALONG NATURAL RESOURCES IN CLEARED AREAS TO PREVENT SEDIMENT MIGRATION INTO STREAMS, WETLANDS OR OTHER NATURAL FEATURES IN ACCORDANCE WITH TDOT STANDARDS. EPSC MEASURES SHALL BE INSTALLED ON THE CONTOUR, ENTRENCHED AND STAKED, AND EXTEND THE WIDTH OF THE AREA TO BE CLEARED.
- (2)

NEW CHANNEL CONSTRUCTION SHALL BE COMPLETED IN THE DRY AND STABILIZED FOR AT LEAST 72 HOURS PRIOR TO DIVERTING WATER FROM THE EXISTING AND/OR TEMPORARY CHANNEL.
- (3)

INSTREAM EPSC DEVICES REQUIRE THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION REVIEW AND MUST BE PROCESSED BY THE PERMITS SECTION TO OBTAIN WATER QUALITY PERMITS.
- (4)

THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.
- (5)

THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE ACTUAL CROSSING, NOT TO EXCEED THE WIDTH SPECIFIED IN THE STANDARD DRAWING.
- (6)

STREAM BEDS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR CONSTRUCTION EQUIPMENT. TEMPORARY CULVERT CROSSINGS SHALL BE LIMITED TO ONE POINT PER STREAM AND EPSC MEASURES SHALL BE USED WHERE THE STREAM BANKS ARE DISTURBED. WHERE THE STREAMBED IS NOT COMPOSED OF BEDROCK, A PAD OF CLEAN ROCK SHALL BE USED AT THE CROSSING POINT AND CULVERTED TO PREVENT THE IMPOUNDMENT OF WATER FLOW. CLEAN ROCK IS ROCK OF VARIOUS TYPE AND SIZE, DEPENDING UPON APPLICATION, WHICH CONTAINS NO FINES, SOILS, OR OTHER WASTES OR CONTAMINANTS. OTHER MATERIALS USED FOR ALL TEMPORARY FILLS SHALL BE COMPLETELY REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED AND THE AFFECTED AREAS RETURNED TO PREEXISTING ELEVATIONS. ALL TEMPORARY CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. EC-STR-25 UNLESS SPECIFICALLY ADDRESSED IN THE EPSC PLANS. ALTERNATIVELY, PLACING A TEMPORARY BRIDGE (E.G. BAILEY BRIDGE OR EQUIVALENT, TIMBERS, ETC.) FROM TOP OF BANK TO TOP OF BANK OR THE APPROPRIATE USE OF BARGES AT THE CROSSING TO AVOID DISTURBANCE OF THE STREAMBED IS AN ACCEPTABLE OPTION.
- (7)

HEAVY EQUIPMENT WORKING IN WETLANDS WITH PERMITTED TEMPORARY IMPACTS SHALL BE PLACED ON MATS, OR OTHER MEASURES MUST BE TAKEN TO MINIMIZE SOIL DISTURBANCE AND COMPACTION UNLESS SPECIFICALLY ADDRESSED IN THE CONSTRUCTION PLANS. ANY MATS AND OTHER MEASURES USED FOR HEAVY EQUIPMENT SHALL BE REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED. ALL AFFECTED AREAS SHOULD BE RETURNED TO PRE-EXISTING CONDITIONS.
- (8)

WETLANDS SHALL NOT BE USED AS EQUIPMENT STORAGE, STAGING, OR TRANSPORTATION AREAS, UNLESS SPECIFICALLY PROVIDED FOR IN THE CONSTRUCTION PLANS AND PERMITS.
- (9)

THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TDOT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TDOT REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.

SPECIES

- (10)

NO ACTIVITY MAY SUBSTANTIALLY DISRUPT THE MOVEMENT OF THOSE SPECIES OF AQUATIC LIFE INDIGENOUS TO THE WATER BODY, INCLUDING THOSE SPECIES THAT NORMALLY MIGRATE THROUGH THE AREA.
- (11)

SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE REGIONAL ECOLOGY OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO

LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING).

- (12)

IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREAST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY THE TDOT SUPERVISOR SHALL CONTACT THE TDOT ENVIRONMENTAL DIVISION, ECOLOGY SECTION IMMEDIATELY.

PERMITS, PLANS & RECORDS

- (13)

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO ARCHAEOLOGY, ECOLOGY, HISTORICAL, HAZARDOUS MATERIALS, AIR AND NOISE, TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING ANY MATERIAL AND STAGING AREAS AND THE OPERATION OF ANY PROJECT-DEDICATED ASPHALT AND/OR CONCRETE PLANTS TO BE USED. ANY SUCH PERMITS SHALL BE SUPPLIED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO THE USE OF THE PERMITTED AREA(S).
- (14)

ANY DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE TDOT PROJECT RESPONSIBLE PARTY. THE ENVIRONMENTAL DIVISION, DESIGN DIVISION, AND HEADQUARTERS CONSTRUCTION OFFICE SHALL BE CONTACTED IN THESE INSTANCES AND DECIDE WHICH HAS PRECEDENCE AND WHETHER PERMIT OR PLANS REVISIONS ARE NEEDED. IN GENERAL, PERMIT CONDITIONS WILL PREVAIL.
- (15)

IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TDOT PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE ROADWAY DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.
- (16)

THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATE. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE TDOT PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.
- (17)

ALL WATER QUALITY PERMITS SHALL BE POSTED NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE ACCESSIBLE TO THE PUBLIC. THE NAME, COMPANY NAME, EMAIL ADDRESS, TELEPHONE NUMBER AND ADDRESS OF THE PROJECT SITE OWNER, OPERATOR, OR A LOCAL CONTACT PERSON WITH A BRIEF DESCRIPTION OF THE PROJECT SHALL ALSO BE POSTED. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE, THE INFORMATION SHALL BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION NEAR WHERE THE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY. THIS LOCATION SHALL BE POSTED AT THE CONSTRUCTION SITE. ALL POSTINGS SHALL BE MAINTAINED IN LEGIBLE CONDITION.

SUPPORT ACTIVITIES

- (18)

MATERIALS AND STAGING AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE/U.S. UNLESS THESE AREAS ARE SPECIFICALLY COVERED BY ENVIRONMENTAL PERMITS, OBTAINED SOLELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATES. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE TDOT PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.

ENVIRONMENTAL

- (20)

EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

- (1)

STAFF FROM THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

ECOLOGY

- (2)

STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRECONSTRUCTION MEETING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.
- (3)

STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ATTEND THE PRE-CONSTRUCTION MEETING FOR ALL PROJECTS WHICH HAVE THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT PROXIMAL TO SCHEDULED WORK. THIS WILL PROVIDE THE OPPORTUNITY TO ENSURE THAT PERSONNEL INCLUDING THE CONTRACTOR'S PERSONNEL AND SUBCONTRACTORS ARE MADE AWARE OF THE NECESSARY PRECAUTIONS THAT MUST BE FOLLOWED.
- (4)

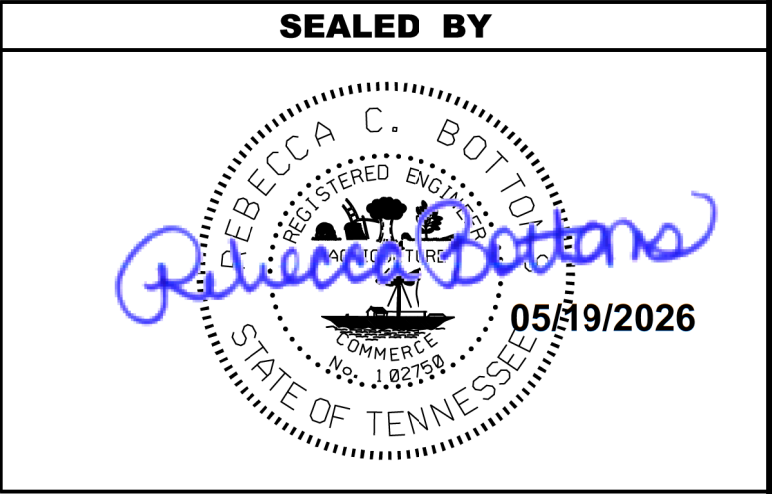
ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

SCOPE OF WORK

- (1)

THIS PROJECT INCLUDES THE INSTALLATION OF ROADWAY LIGHTING INCLUDING NEW STANDARDS WITH LED LUMINAIRES, HIGH MAST LIGHT POLES, PULL BOXES, CONDUIT, AND LIGHTING CONTROL CENTERS WITHIN EXISTING RIGHT-OF-WAY.

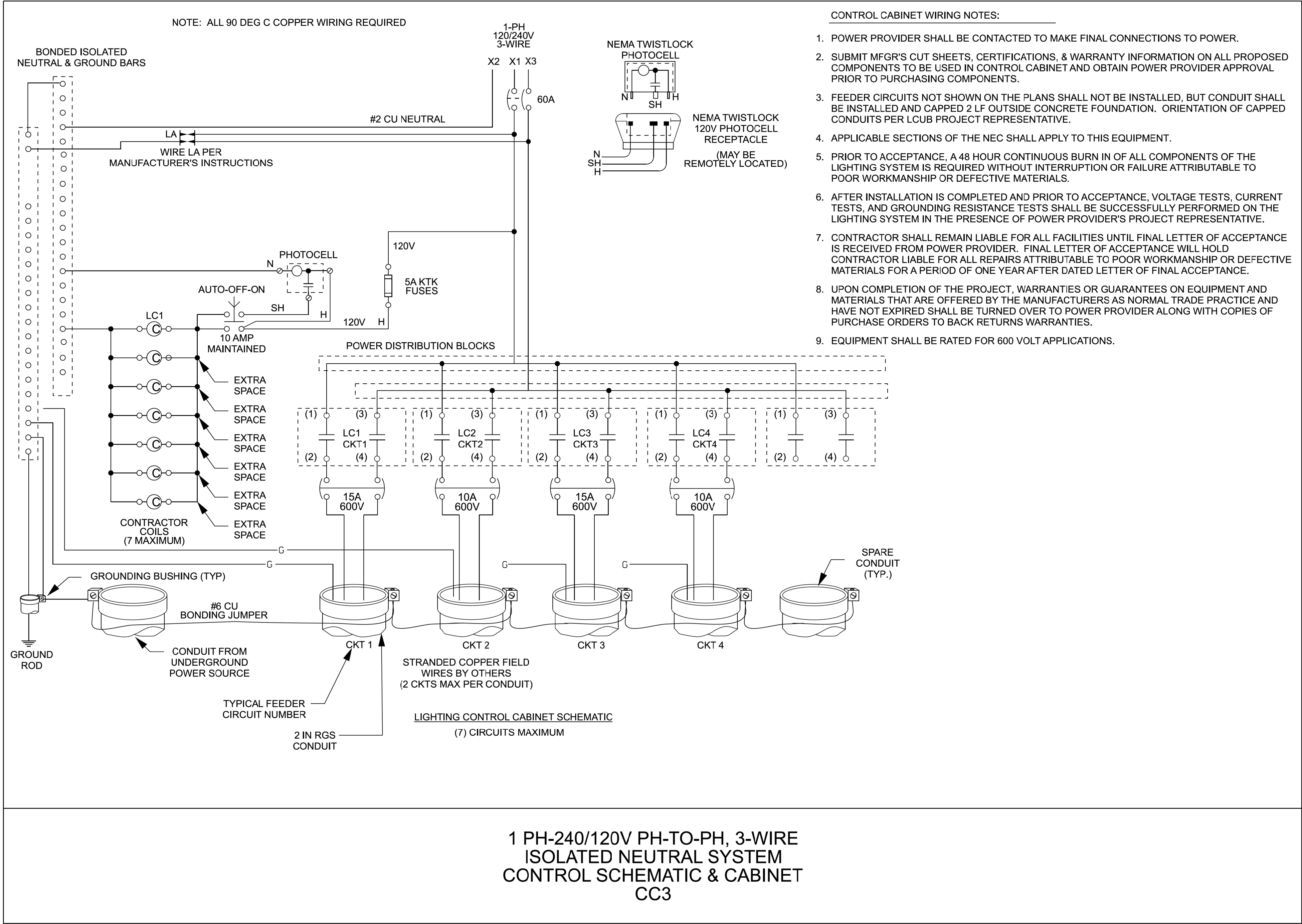
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	2E
PIH	2026	86I026-S3-004	2E
PS&E	2026	86I026-S3-004	2E



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	2G
PIH	2026	86I026-S3-004	2G
PS&E	2026	86I026-S3-004	2G



CONTROL CENTER SCHEDULE - CC3														
CONTROL CENTER NO.	MAIN CIRCUIT BREAKER (AMPS) A'	BRANCH CIRCUIT BREAKERS (AMPS)								BASELINE	STATION	OFFSET (FT)	SIDE	SHEET NO.
		CIR.1	CIR.2	CIR.3	CIR.4	CIR.5	CIR.6	CIR.7	CIR.8					
		B'	C'	D'	E'	F'	G'	H'	I'					
CC3	60	15	10	15	10					I-26	123+32.03	414.21'	LEFT	6B

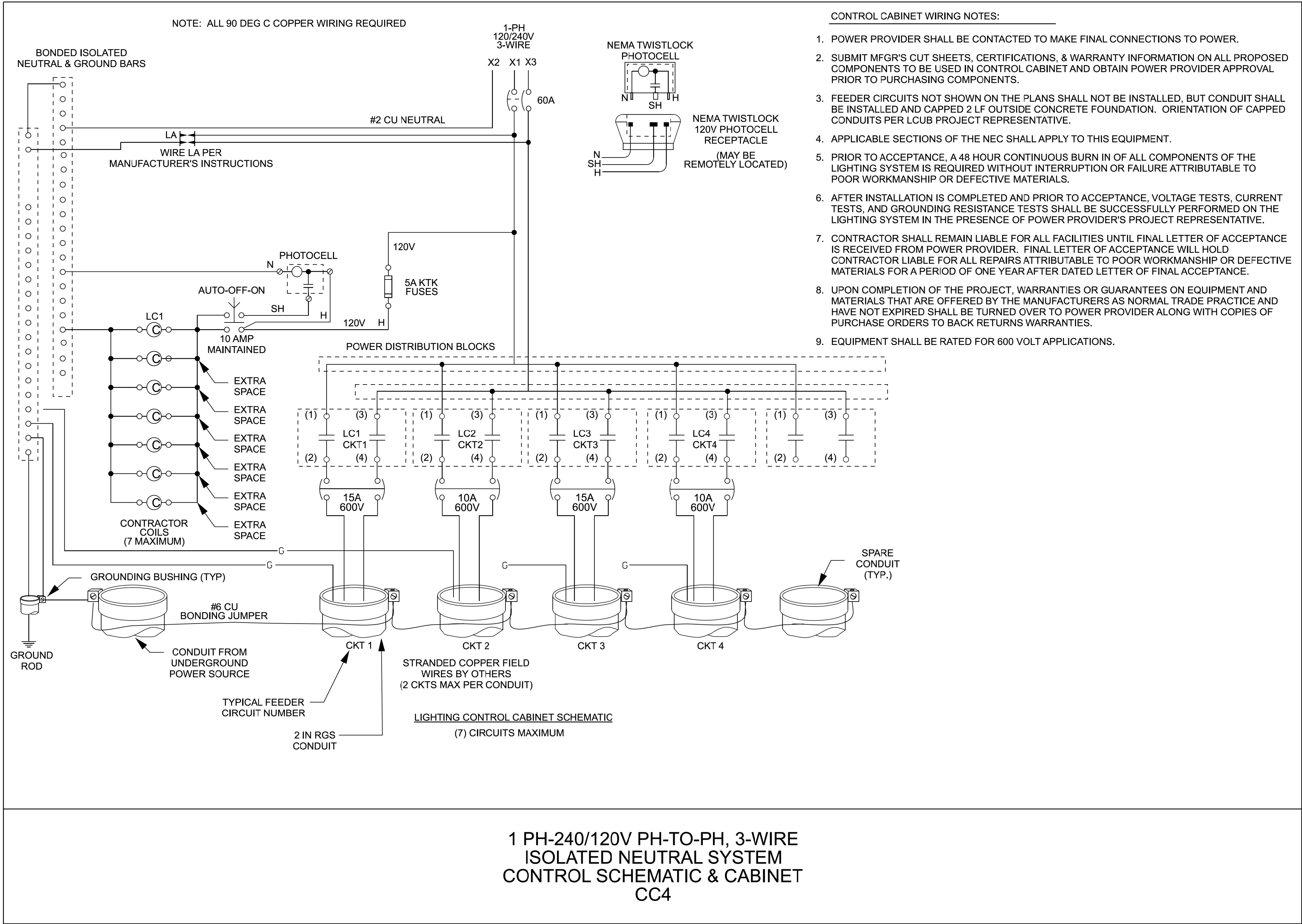
CONTROL CENTER



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAIL
SHEETS

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	2G1
PIH	2026	86I026-S3-004	2G1
PS&E	2026	86I026-S3-004	2G1



CONTROL CENTER SCHEDULE - CC4														
CONTROL CENTER NO.	MAIN CIRCUIT BREAKER (AMPS) A'	BRANCH CIRCUIT BREAKERS (AMPS)								BASELINE	STATION	OFFSET (FT)	SIDE	SHEET NO.
		CIR.1 B'	CIR.2 C'	CIR.3 D'	CIR.4 E'	CIR.5 F'	CIR.6 G'	CIR.7 H'	CIR.8 I'					
CC4	60	15	10	15	10					I-26	123+84.65	435.47'	RIGHT	6B

CONTROL CENTER



STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
DETAIL SHEETS

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ILLUMINATION RESULTS					
SECTION	AVG.	MAX.	MIN.	AVG/MIN	MAX/MIN
I-26	0.7 fc	1.4 fc	0.3 fc	2.4 : 1	4.7 : 1
SR-173	1.0 fc	2.1 fc	0.4 fc	2.6 : 1	5.3 : 1

LUMINAIRE SCHEDULE						
LEGEND	QUANTITY	DESCRIPTION	CATALOG NUMBER	WATTAGE	IES FILE	LLF
	21	HOLOPHANE MONGOOSE MEDIUM LED	MGLEDM-P4-40K-MVOLT-MG-VH-GRSD-NL-PR7-SH	180	MGLEDM P4 40K XXXXX MG.ies	0.9
	24	HOLOPHANE LED HIGH MAST	HMLED4-P2-40K-MVOLT-HGR-AW-PR7-AO-SH	295	HMLED4 P2 40K XXXXX AW.ies	0.9
	2	HOLOPHANE LED UNDERPASS	WCNG-P2-30K-T3M-MVOLT-ZT-10K-GYSDP-SCRW-NTR	35	W4GLED 10C1000 30K T3M.ies	0.9

STREET LIGHT LUMINAIRE AND POLE DATA																	
LIGHT POLE NO.	SHEET NO.	LUMINAIRE TYPE	NO. OF LUMINAIRES	MOUNTING HEIGHT	BRACKET ARM	LUMINAIRE TILT	BREAKAWAY BASE	BASELINE	STATION	OFFSET	SIDE	NORTHING	EASTING	CONTROL CENTER	CIRCUIT NO.	VOLTAGE	COMMENT
LP 1	4B	A	1	45'	N/A	22.5	YES	I-26	101+64.22	73.06'	LT	703897.1829	3045867.4228	CC3	2	240V	
LP 2	4B	A	1	45'	N/A	22.5	YES	I-26	104+10.74	79.20'	LT	703667.9076	3045745.3756	CC3	2	240V	
LP 3	4B	A	1	45'	N/A	22.5	YES	I-26	106+60.67	84.21'	LT	703491.9810	3045567.7839	CC3	2	240V	
LP 4	5B	A	1	45'	N/A	22.5	YES	I-26	107+57.81	74.51'	RT	703539.9869	3045387.9963	CC4	2	240V	
LP 5	5B	A	1	45'	N/A	22.5	YES	I-26	109+09.63	89.27'	LT	703316.6913	3045390.9213	CC3	2	240V	
LP 6	5B	A	1	45'	N/A	22.5	YES	I-26	110+07.47	86.87'	RT	703376.8392	3045198.6216	CC4	2	240V	
LP 7	5B	A	1	45'	N/A	22.5	YES	I-26	111+60.46	94.27'	LT	703140.1527	3045212.6666	CC3	2	240V	
LP 8	5B	A	1	45'	N/A	22.5	YES	I-26	112+57.12	99.14'	RT	703213.6175	3045009.3130	CC4	2	240V	
LP 9	5B	A	1	45'	N/A	22.5	YES	I-26	114+10.30	100.62'	LT	702963.3190	3045036.0600	CC3	2	240V	
LP 10	5B	A	1	45'	N/A	22.5	YES	I-26	115+06.71	112.34'	RT	703051.1249	3044819.4094	CC4	2	240V	
LP11	7B	A	1	45'	N/A	22.5	YES	I-26	132+41.63	164.75'	LT	701524.6989	3043972.1781	CC3	4	240V	
LP 12	7B	A	1	45'	N/A	22.5	YES	I-26	134+20.58	98.15'	RT	701510.1779	3043654.4857	CC4	4	240V	
LP 13	7B	A	1	45'	N/A	22.5	YES	I-26	134+87.19	122.36'	LT	701337.8313	3043807.3284	CC3	4	240V	
LP 14	7B	A	1	45'	N/A	22.5	YES	I-26	136+70.46	93.05'	RT	701294.7234	3043527.8090	CC4	4	240V	
LP 15	7B	A	1	45'	N/A	22.5	YES	I-26	137+36.41	105.82'	LT	701134.2967	3043662.5657	CC3	4	240V	
LP 16	7B	A	1	45'	N/A	22.5	YES	I-26	139+23.17	91.41'	RT	701082.1508	3043396.6033	CC4	4	240V	
LP 17	7B	A	1	45'	N/A	22.5	YES	I-26	139+81.60	93.24'	LT	700930.7331	3043517.3650	CC3	4	240V	
LP 18	8B	A	1	45'	N/A	22.5	YES	I-26	141+78.44	83.08'	RT	700873.7162	3043259.1825	CC4	4	240V	
LP 19	8B	A	1	45'	N/A	22.5	YES	I-26	142+26.34	81.04'	LT	700735.7545	3043360.1533	CC3	4	240V	
LP 20	8B	A	1	45'	N/A	22.5	YES	I-26	144+33.35	77.95'	RT	700676.6606	3043105.8948	CC4	4	240V	
LP 21	8B	A	1	45'	N/A	22.5	YES	I-26	146+86.16	73.20'	RT	700439.2873	3042993.9415	CC4	4	240V	

LUMINAIRE TYPE: A = HOLOPHANE MONGOOSE MEDIUM LED (MGLEDM-P4-40K-MVOLT-MG-VH-GRSD-NL-PR7-SH) (180 WATTS)

MOUNTING HEIGHT: LUMINAIRE MOUNTING HEIGHTS REPRESENT THE VERTICAL DISTANCE FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE LUMINAIRE LIGHT SOURCE.

HIGH MAST LUMINAIRE AND POLE DATA																	
LIGHT POLE NO.	SHEET NO.	LUMINAIRE TYPE	NO. OF LUMINAIRES	POLE HEIGHT	MOUNTING HEIGHT	GROUND ELEV. AT POLE	GROUND ELEV. AT I-26	BASELINE	STATION	OFFSET	SIDE	NORTHING	EASTING	CONTROL CENTER	CIRCUIT NO.	VOLTAGE	COMMENT
HM 1	6B	B	6	125'	116	2019.68	2028.57	I-26	118+99.06	110.82'	LT	702620.0027	3044693.5027	CC3	1	240V	
HM 2	6B	B	6	125'	118	2031.64	2038.38	I-26	123+32.32	243.92'	RT	702522.1032	3044136.8605	CC4	1	240V	
HM 3	6B	B	6	125'	92	2006.37	2039.36	I-26	125+41.80	228.82'	LT	702072.3178	3044391.9273	CC3	3	240V	
HM 4	6B	B	6	125'	115	2032.76	2043.18	I-26	129+41.27	119.94'	RT	701929.7402	3043887.2539	CC4	3	240V	

LUMINAIRE TYPE: B = HOLOPHANE LED HIGH MAST (HMLED4-P2-40K-MVOLT-HGR-AW-PR7-AO-SH) (295 WATTS)

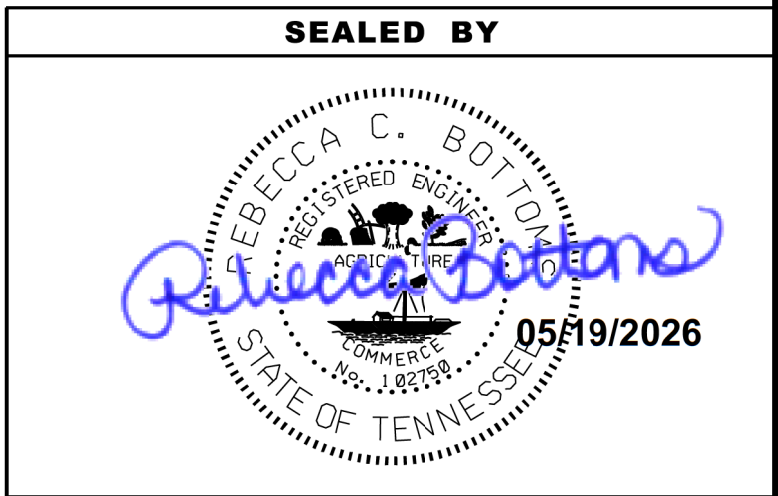
MOUNTING HEIGHT: LUMINAIRE MOUNTING HEIGHTS REPRESENT THE VERTICAL DISTANCE FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE LUMINAIRE LIGHT SOURCE.

UNDERPASS LUMINAIRE DATA																	
LIGHT POLE NO.	SHEET NO.	LUMINAIRE TYPE	NO. OF LUMINAIRES	MOUNTING HEIGHT	BRACKET ARM	LUMINAIRE TILT	BREAKAWAY BASE	BASELINE	STATION	OFFSET	SIDE	NORTHING	EASTING	CONTROL CENTER	CIRCUIT NO.	VOLTAGE	COMMENT
UP-1	6B	C	1	18.5'	N/A	N/A	N/A	I-26	124+03.10	40.12'	RT	702339.8050	3044253.8270	CC4	1	240V	
UP-2	6B	C	1	18.5'	N/A	N/A	N/A	I-26	124+56.06	38.86'	LT	702250.1890	3044285.6400	CC3	3	240V	

LUMINAIRE TYPE: C = HOLOPHANE WALLCONNECT LED (WCNG-P2-30K-T3M-MVOLT-ZT-10K-GYSDP-SCRW-NTR) (35 WATTS)

MOUNTING HEIGHT: LUMINAIRE MOUNTING HEIGHTS REPRESENT THE VERTICAL DISTANCE FROM THE ROADWAY SURFACE TO THE BOTTOM OF THE LUMINAIRE LIGHT SOURCE.

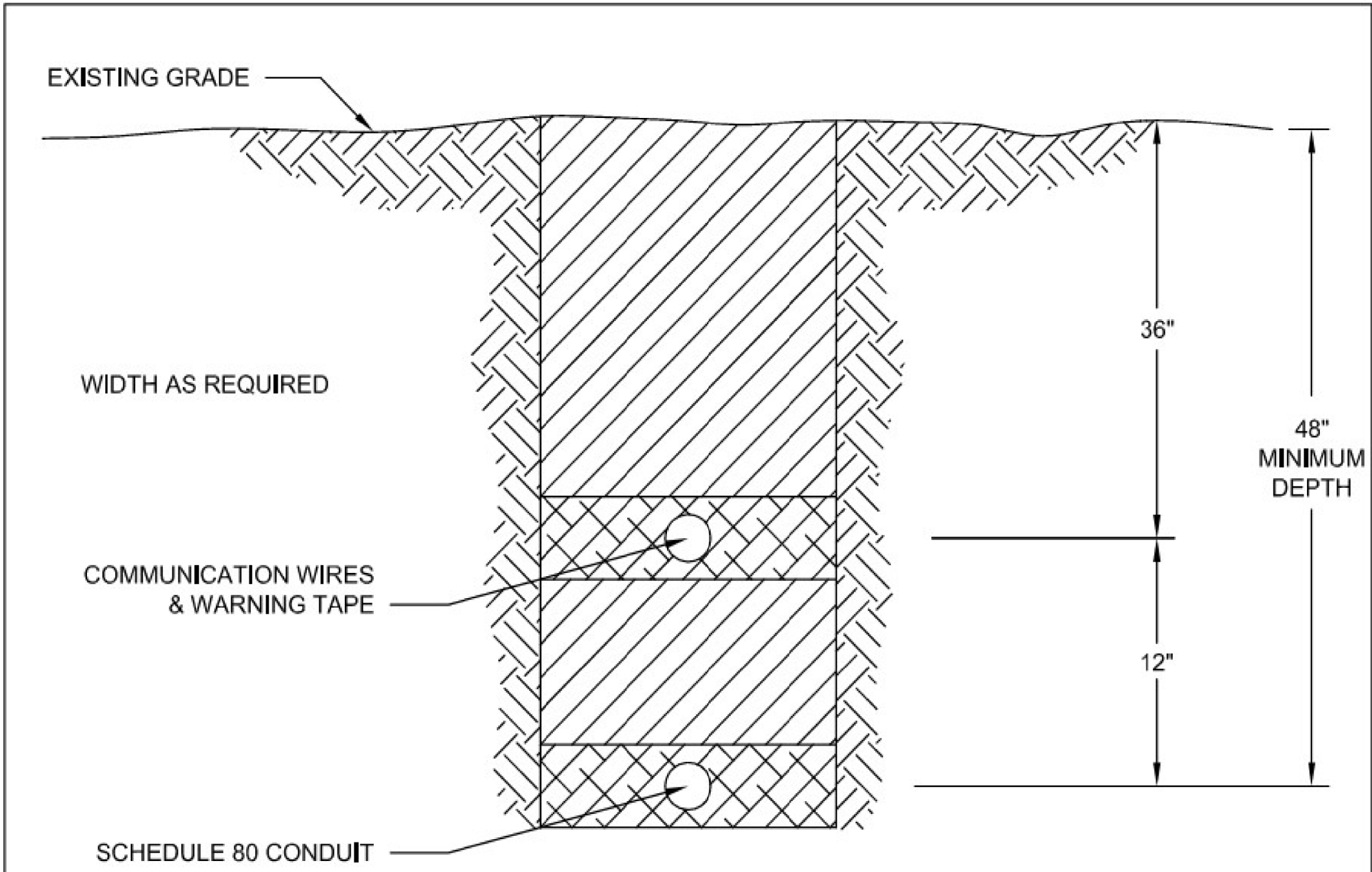
TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	861026-S1-004	9
FUNCTIONAL	2026	861026-S1-004	2G3
PIH	2026	861026-S3-004	2G3
PS&E	2026	861026-S3-004	2G3



STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION
DETAIL SHEETS

LUMINAIRE AND
POLE DATA

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	861026-S3-004	2G4
PS&E	2026	861026-S3-004	2G4



- 1) DEPTH OF CONDUIT SHALL NOT BE LESS THAN 48".
- 2) CONDUIT SHALL BE LAYING LEVEL IN THE BOTTOM OF THE DITCH.
- 3) CONDUIT SHALL BE PROVIDED BY ERWIN UTILITIES
- 4) CONDUIT SIZE TO BE DETERMINED BY ERWIN UTILITIES ENGINEERING DEPARTMENT.
- 5) MINIMUM OF 12" SPACING BETWEEN CONDUIT FOR ELECTRIC SERVICE AND COMMUNICATIONS WIRES SHARING THE SAME DITCH.
- 6) WARNING TAPE SHALL BE INSTALLED AT LEAST 12" ABOVE THE ELECTRIC CONDUIT. ERWIN UTILITIES WILL PROVIDE THIS TAPE UPON INSPECTION.
- 7) BACKFILL SHALL BE THOROUGHLY TAMPED ABOVE 90 DEGREE ELBOWS.
- 8) CALL ERWIN UTILITIES ENGINEERING DEPARTMENT FOR SCHEDULING ONCE DITCH IS OPEN. (CALL 743-1844).

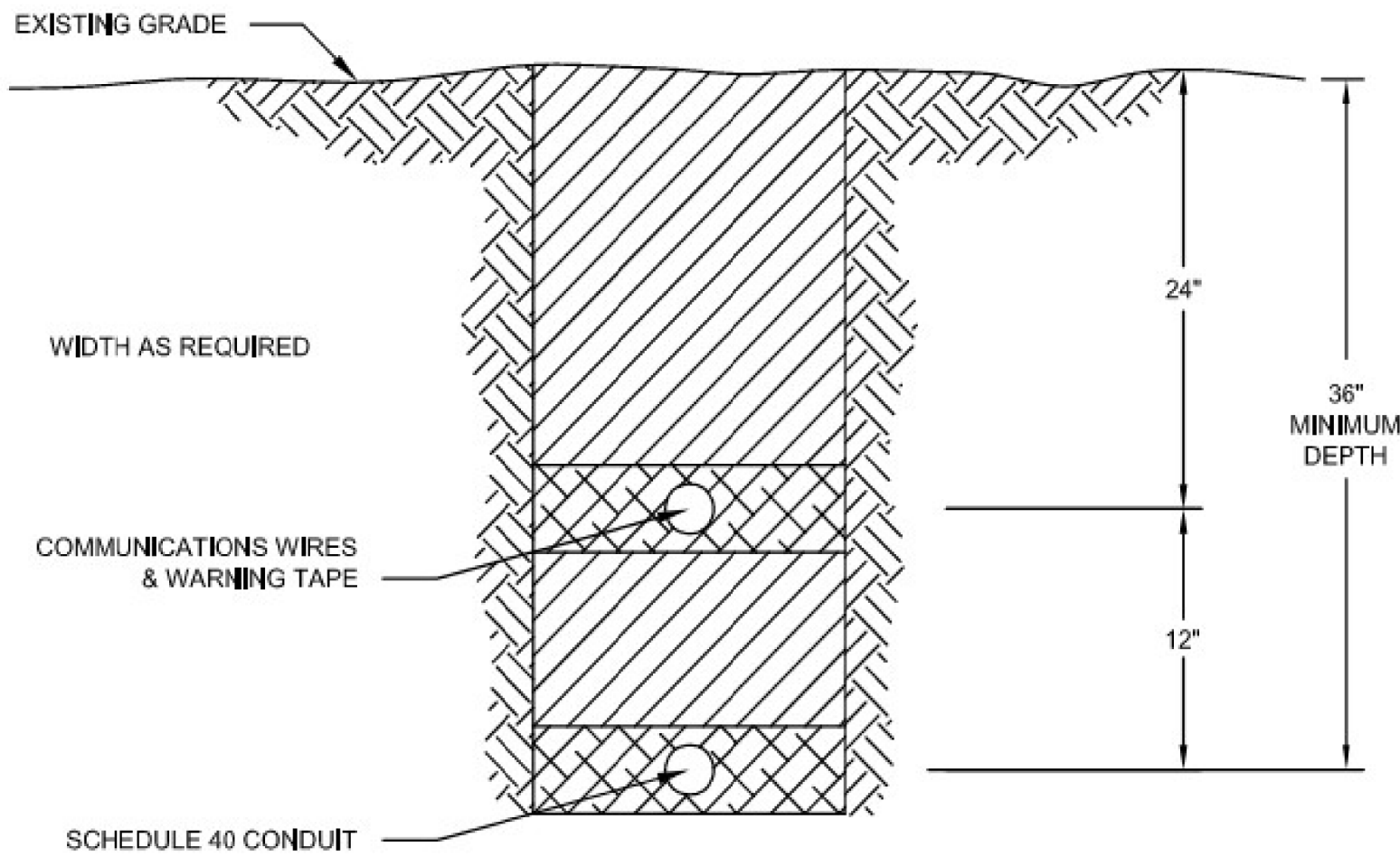


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10/15/19

TYPICAL TRENCHES FOR
PRIMARY CONDUIT

UNDERGROUND
ELECTRIC
PRIMARY
REQUIREMENTS



- 1) DEPTH OF CONDUIT SHALL NOT BE LESS THAN 36".
- 2) CONDUIT SHALL BE LAYING LEVEL IN THE BOTTOM OF THE DITCH.
- 3) CONDUIT SHALL BE SCHEDULE 40 PVC OR BETTER *(WATER PIPE IS NOT ACCEPTABLE).
- 4) CONDUIT THAT IS EXPOSED FROM GROUND LEVEL TO THE METER BASE MUST BE SCHEDULE 80.
- 5) CONDUIT SIZE TO BE DETERMINED BY ERWIN UTILITIES ENGINEERING DEPARTMENT.
- 6) WARNING TAPE SHALL BE INSTALLED AT LEAST 12" ABOVE THE ELECTRIC CONDUIT. ERWIN UTILITIES WILL PROVIDE THIS TAPE UPON INSPECTION.
- 7) MINIMUM OF 12" SPACING BETWEEN CONDUIT FOR ELECTRIC SERVICE AND COMMUNICATIONS WIRES SHARING THE SAME DITCH.
- 8) CONDUIT SHALL HAVE LONG RADIUS 90 DEGREE ELBOWS INSTALLED ON EACH END WITH CONDUIT EXTENDING ABOVE GROUND SURFACE.
- 9) ONLY TWO - 90 DEGREE ELBOWS SHALL BE INSTALLED (ONE ON EACH END).
- 10) PULL STRINGS SHALL BE INSTALLED THROUGH CONDUIT.
- 11) ERWIN UTILITIES SHALL INSPECT CONDUIT AFTER INSTALLATION IN DITCH BEFORE BACKFILLING BEGINS (CALL 743-1820).
- 12) BACKFILL SHALL BE THOROUGHLY TAMPED ABOVE 90 DEGREE ELBOWS.
- 13) CUSTOMER IS REQUIRED TO INSTALL A SLIP COUPLING OR EXPANSION JOINT BELOW THE METER BASE



Scale: NTS

10/15/19

TYPICAL TRENCHES FOR
SECONDARY AND SERVICE
CONDUIT

UNDERGROUND
ELECTRIC
SERVICE
REQUIREMENTS

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DETAIL
SHEETS

TRENCHING DETAILS

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R.O.W. ACQUISITION TABLE																		
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (SQUARE FEET)				
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM DRAINAGE	SLOPE	CONST	AIR RIGHTS	PERM RAILROAD
				BOOK	PAGE													
	NO PROPERTY TO BE ACQUIRED																	
ACQUISITION TOTALS (ACRES)																		

UTILITY

- (1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES. ABOVE GRADE AND UNDERGROUND UTILITIES SHOWN WERE TAKEN FROM VISIBLE APPURTENANCES AT THE SITE, PUBLIC RECORDS, AND/OR MAPS PREPARED BY OTHERS. THEREFORE, RELIANCE UPON THE TYPE, SIZE, AND LOCATION OF UTILITIES SHOWN SHOULD BE DONE SO WITH THIS CIRCUMSTANCE CONSIDERED. DETAILED VERIFICATION OF EXISTENCE, LOCATION, AND DEPTH SHOULD ALSO BE MADE PRIOR TO ANY DECISION RELATIVE THERETO IS MADE. AVAILABILITY AND COST OF SERVICE SHOULD BE CONFIRMED WITH THE APPROPRIATE UTILITY COMPANY. IN TENNESSEE, IT IS A REQUIREMENT, PER "THE UNDERGROUND UTILITY DAMAGE PREVENTION ACT", THAT ANYONE WHO ENGAGES IN EXCAVATION MUST NOTIFY ALL KNOWN UNDERGROUND UTILITY OWNERS, NO LESS THAN THREE (3) OR NOT MORE THAN TEN (10) WORKING DAYS PRIOR TO THE DATE OF THEIR INTENT TO EXCAVATE AND ALSO TO AVOID ANY POSSIBLE HAZARD OR CONFLICT. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.

- (5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC AT 1-800-351-1111 WILL BE REQUIRED.

UTILITY OWNERS

ELECTRIC:
ERWIN UTILITIES
P.O. BOX 817
ERWIN, TN 37650
CONTACT: KIP LEMMON
OFFICE PHONE: 423 743 1408
CELL PHONE: 423 743 1408
Email: klemmon@e-u.cc

GAS:
UNICOI COUNTY GAS UTILITY DISTRICT
1414 N. MAIN AVENUE
ERWIN, TN 37650
CONTACT: TIM WHITSON
OFFICE PHONE: 423 743 6793
Email: twhitson@ucgud.com

TELEPHONE:
AT&T
360 GEES MILL BUSINESS PARKWAY
CONYERS, GA 30013
CONTACT: TRINA IVEY
OFFICE PHONE: 678 641 5522
CELL PHONE: 678 641 5522
Email: KI2863@att.com

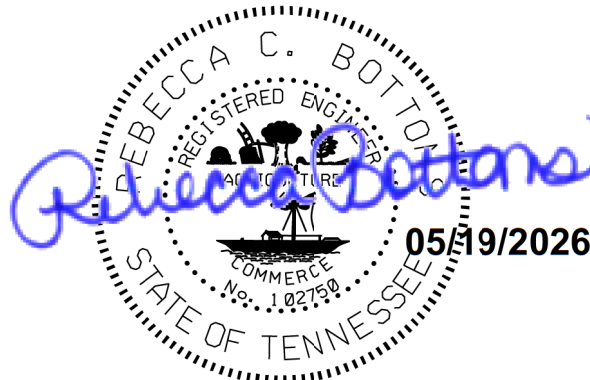
WATER:
ERWIN UTILITIES
244 LOVE STREET
ERWIN, TN 37650
CONTACT: MATTHEW RICE
OFFICE PHONE: 423 735 4555
CELL PHONE: 423 741 5255
Email: mrice@e-u.cc

WATER:
UNICOI COUNTY WATER DISTRICT
304 TENNESSEE STREET
UNICOI, TN 37695
CONTACT: TOM BRYANT
OFFICE PHONE: 423 743 6202
CELL PHONE: 423 388 8771
Email: tom.bryany@unicoiwater.com

DISTURBED AREA		
TOTAL DISTURBED AREA	0.630	(AC)

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	861026-S1-004	3
FUNCTIONAL	2026	861026-S1-004	3
PIH	2026	861026-S3-004	3
PS&E	2026	861026-S3-004	3

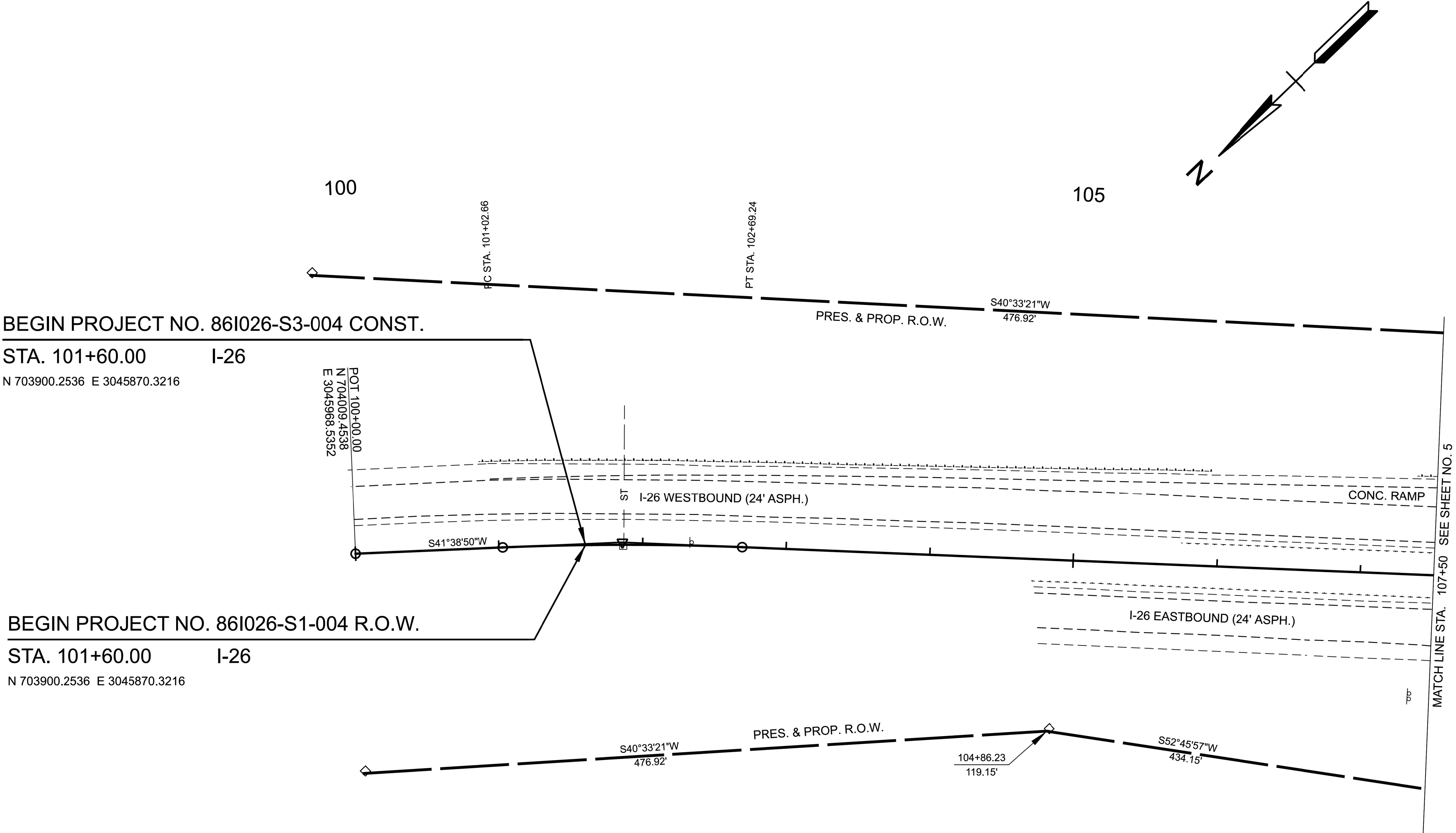
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY
ACQUISITION TABLE,
UTILITY NOTES
AND
UTILITY OWNERS

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	4
FUNCTIONAL	2026	86I026-S1-004	4
PIH	2026	86I026-S3-004	4
PS&E	2026	86I026-S3-004	4



I-26
CURVE
PI 101+86.00
N 703880.2713
E 3045853.6507
Δ 04°46'20" RT.
D 02°51'53"
R 2000.00'
L 166.58'
T 83.34'
LC 166.53'
BC S44°02'00.3"W

SEALED BY

REBECCA C. BOTTOM
REGISTERED ENGINEER
NO. 18259
STATE OF TENNESSEE
05/19/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT
LAYOUT

STA. 96+50.00 TO STA. 107+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	4
FUNCTIONAL	2026	86I026-S1-004	4B
PIH	2026	86I026-S3-004	4A
PS&E	2026	86I026-S3-004	4B

BEGIN PROJECT NO. 86I026-S3-004 CONST.

STA. 101+60.00 I-26

N 703900.2536 E 3045870.3216

BEGIN PROJECT NO. 86I026-S1-004 R.O.W.

STA. 101+60.00 I-26

N 703900.2536 E 3045870.3216

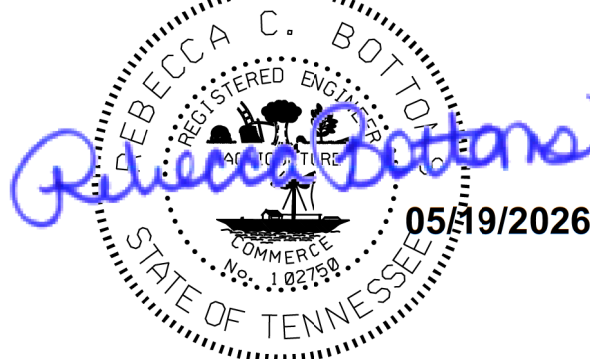
I-26
CURVE
PI 101+86.00
N 703880.2713
E 3045853.6507
Δ 04°46'20" RT.
D 02°51'53"
R 2000.00'
L 166.58'
T 83.34'
LC 166.53'
BC S44°02'00.3"W

LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

SEALED BY



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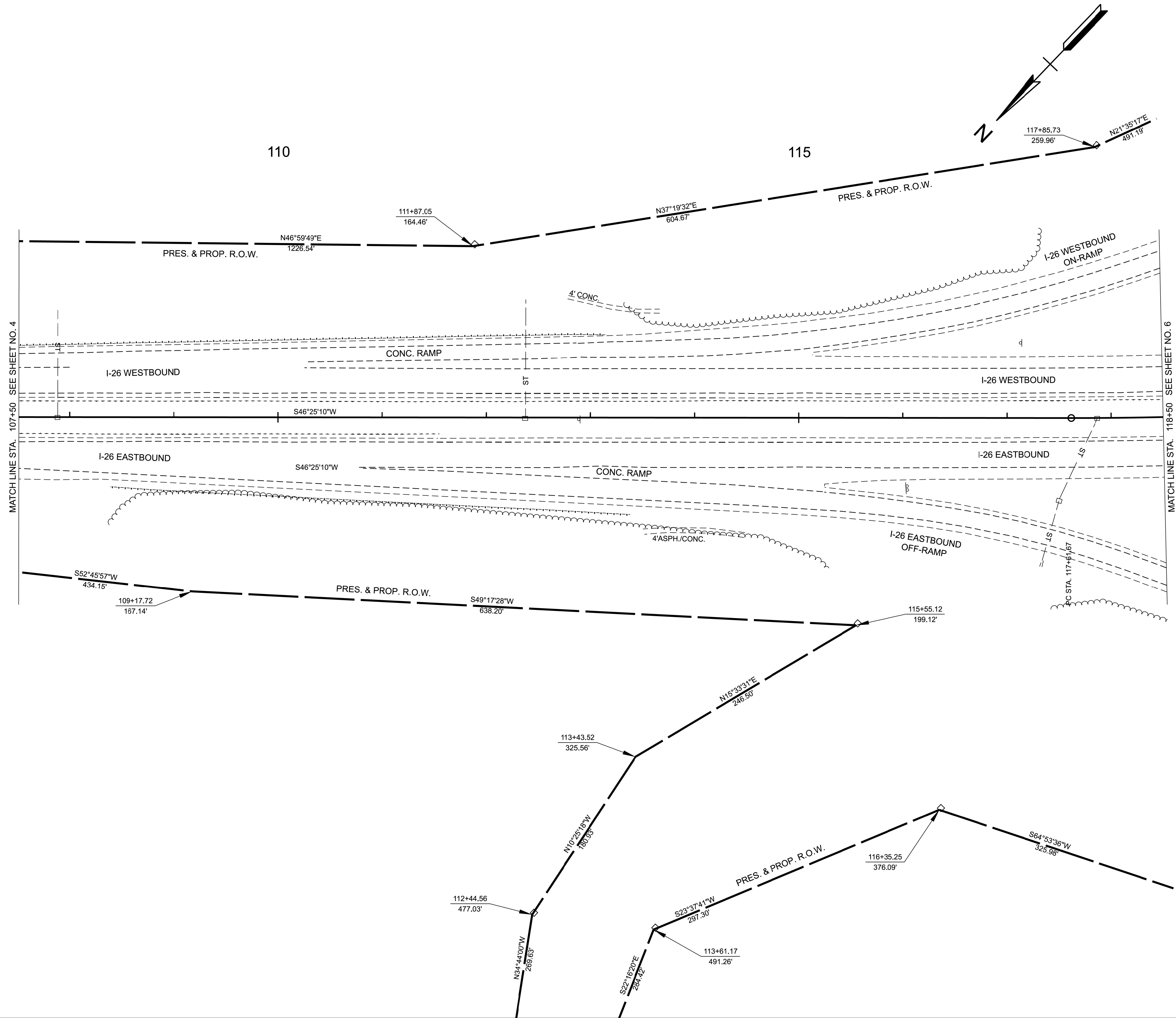
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 96+50.00 TO STA. 107+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	5
FUNCTIONAL	2026	86I026-S1-004	5
PIH	2026	86I026-S3-004	5
PS&E	2026	86I026-S3-004	5



SEALED BY

REBECCA C. BOTTONE
REGISTERED ENGINEER
STATE OF TENNESSEE
LICENSE NO. 18259
05/19/2026

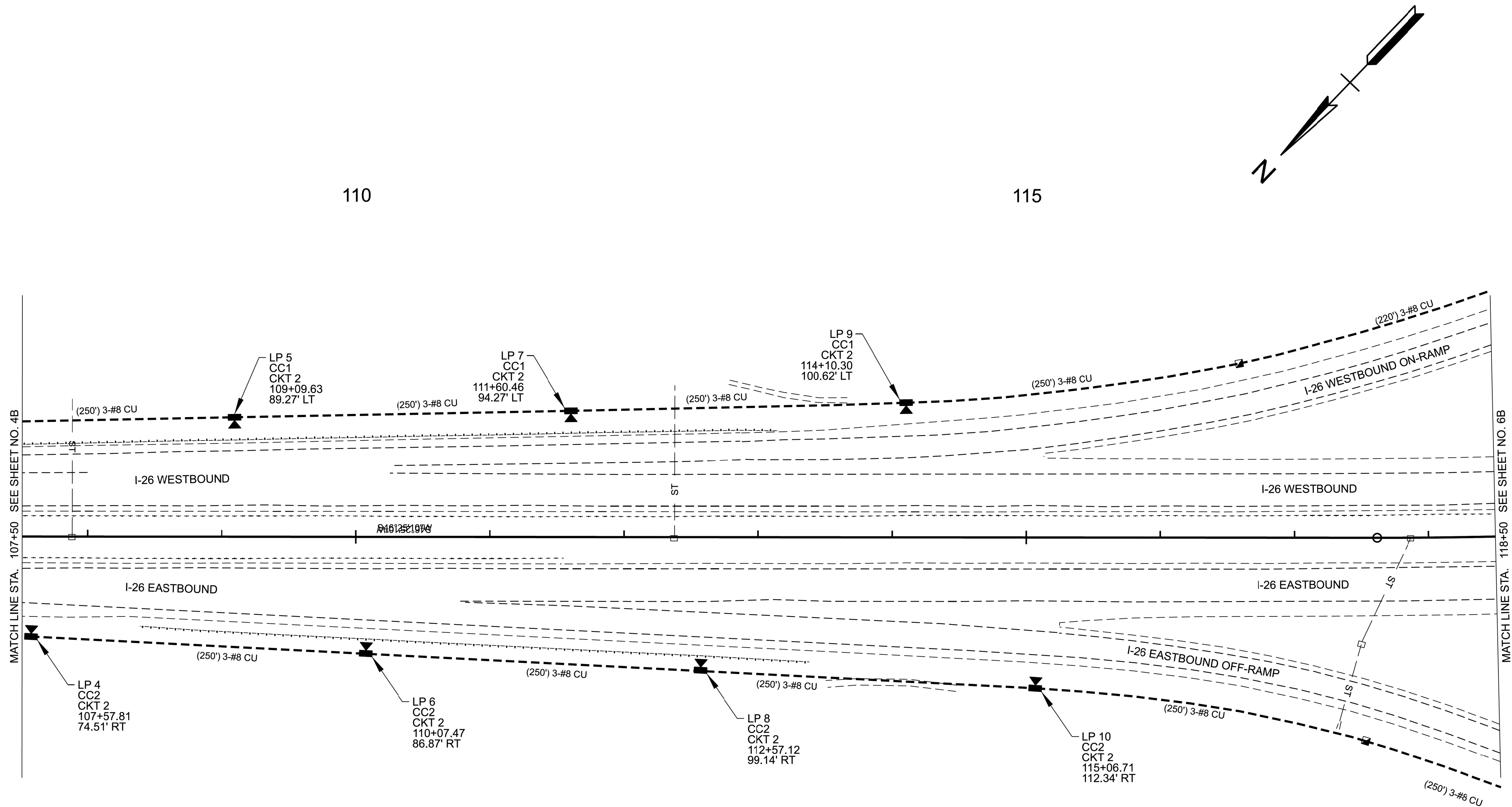
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT
LAYOUT

STA. 107+50.00 TO STA. 118+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	5
FUNCTIONAL	2026	86I026-S1-004	5B
PIH	2026	86I026-S3-004	5A
PS&E	2026	86I026-S3-004	5B



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
No. 124958
STATE OF TENNESSEE
05/19/2026

SEALED BY

REBECCA C. BOLDEN
REGISTERED ENGINEER
No. 124958
STATE OF TENNESSEE
05/19/2026

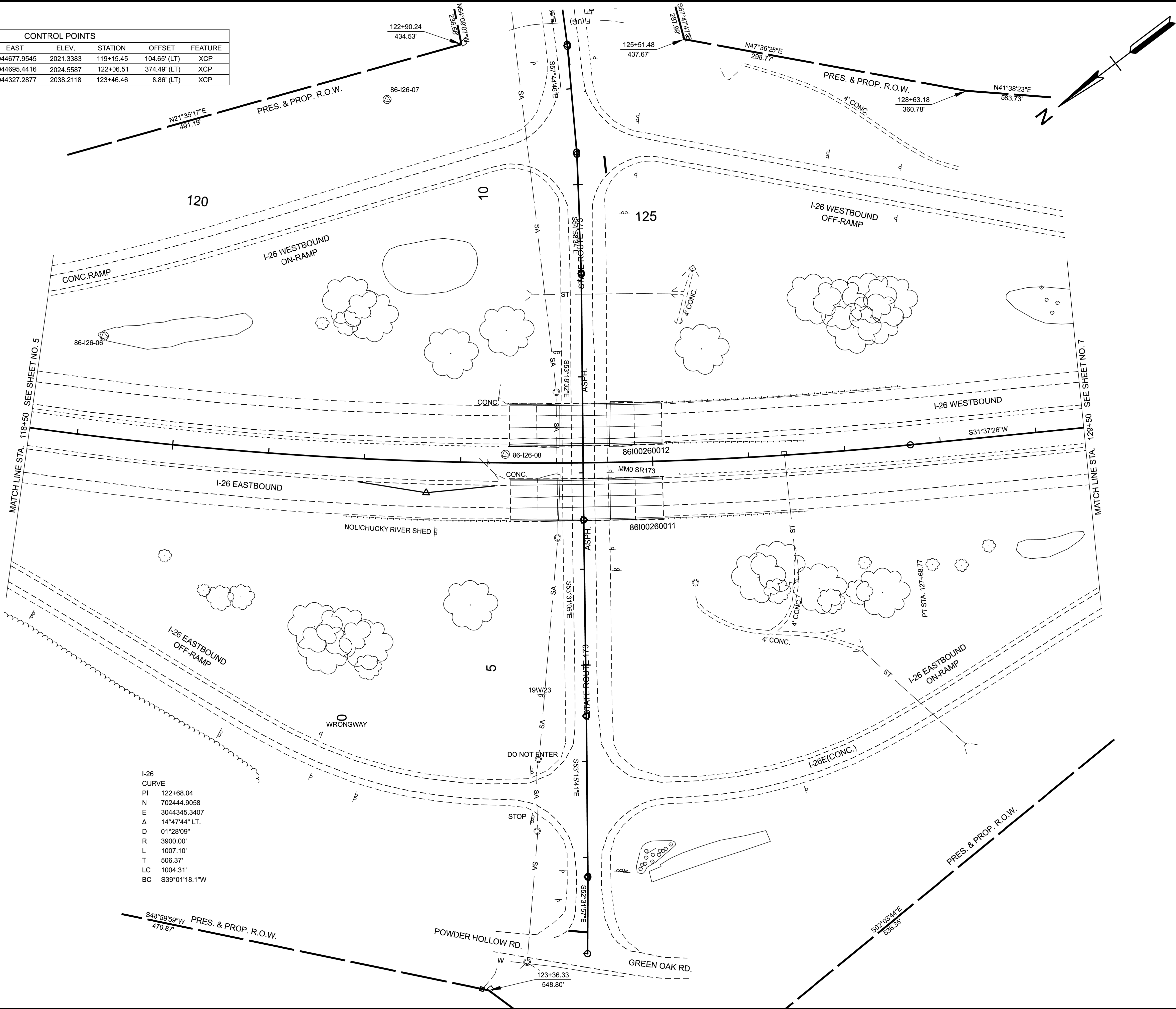
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
LAYOUT

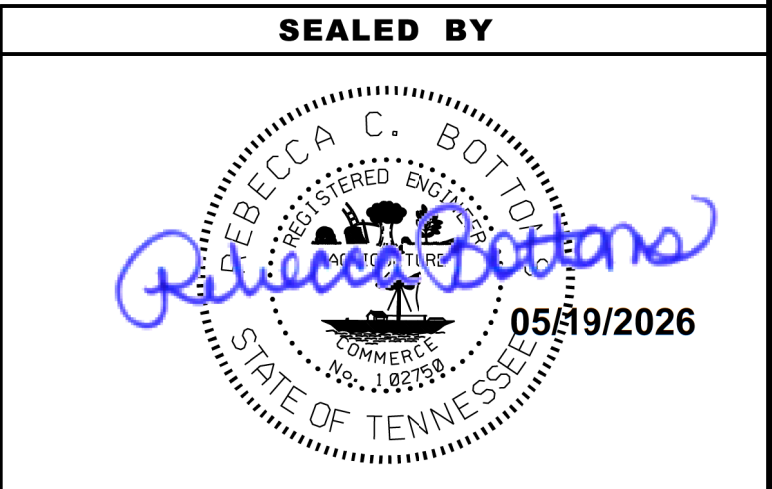
STA. 107+50.00 TO STA. 118+50.00
SCALE: 1" = 50'

CONTROL POINTS						
POINT	NORTH	EAST	ELEV.	STATION	OFFSET	FEATURE
86-126-06	702612.8943	3044677.9545	2021.3383	119+15.45	104.65' (LT)	XCP
86-126-07	702229.4876	3044695.4416	2024.5587	122+06.51	374.49' (LT)	XCP
86-126-08	702355.2165	3044327.2877	2038.2118	123+46.46	8.86' (LT)	XCP



I-26
CURVE
PI 122+68.04
N 702444.9058
E 3044345.3407
Δ 14°47'44" LT.
D 01°28'09"
R 3900.00'
L 1007.10'
T 506.37'
LC 1004.31'
BC S39°01'18.1"W

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	6
FUNCTIONAL	2026	86I026-S1-004	6
PIH	2026	86I026-S3-004	6
PS&E	2026	86I026-S3-004	6



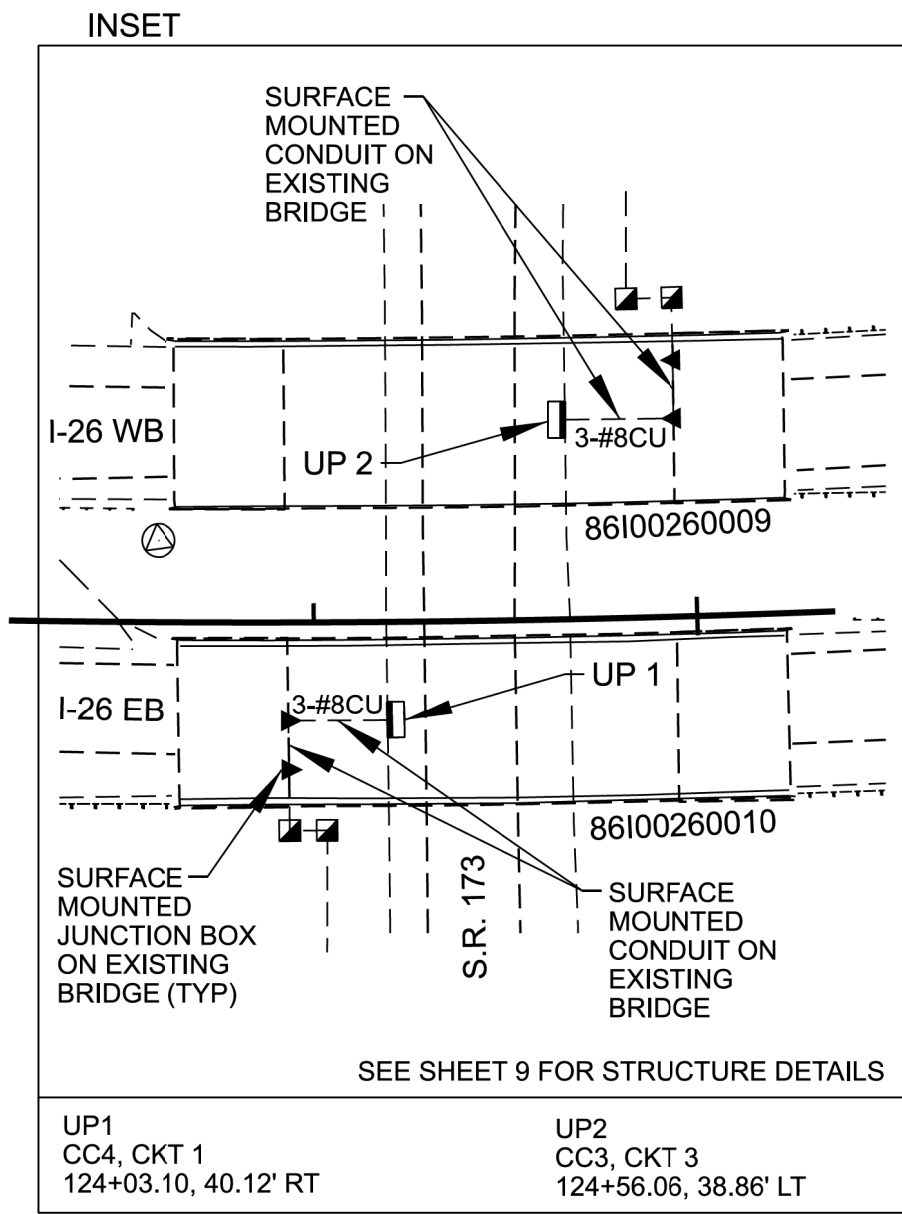
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT
LAYOUT

STA. 118+50.00 TO STA. 129+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	6
FUNCTIONAL	2026	86I026-S1-004	6B
PIH	2026	86I026-S3-004	6A
PS&E	2026	86I026-S3-004	6B

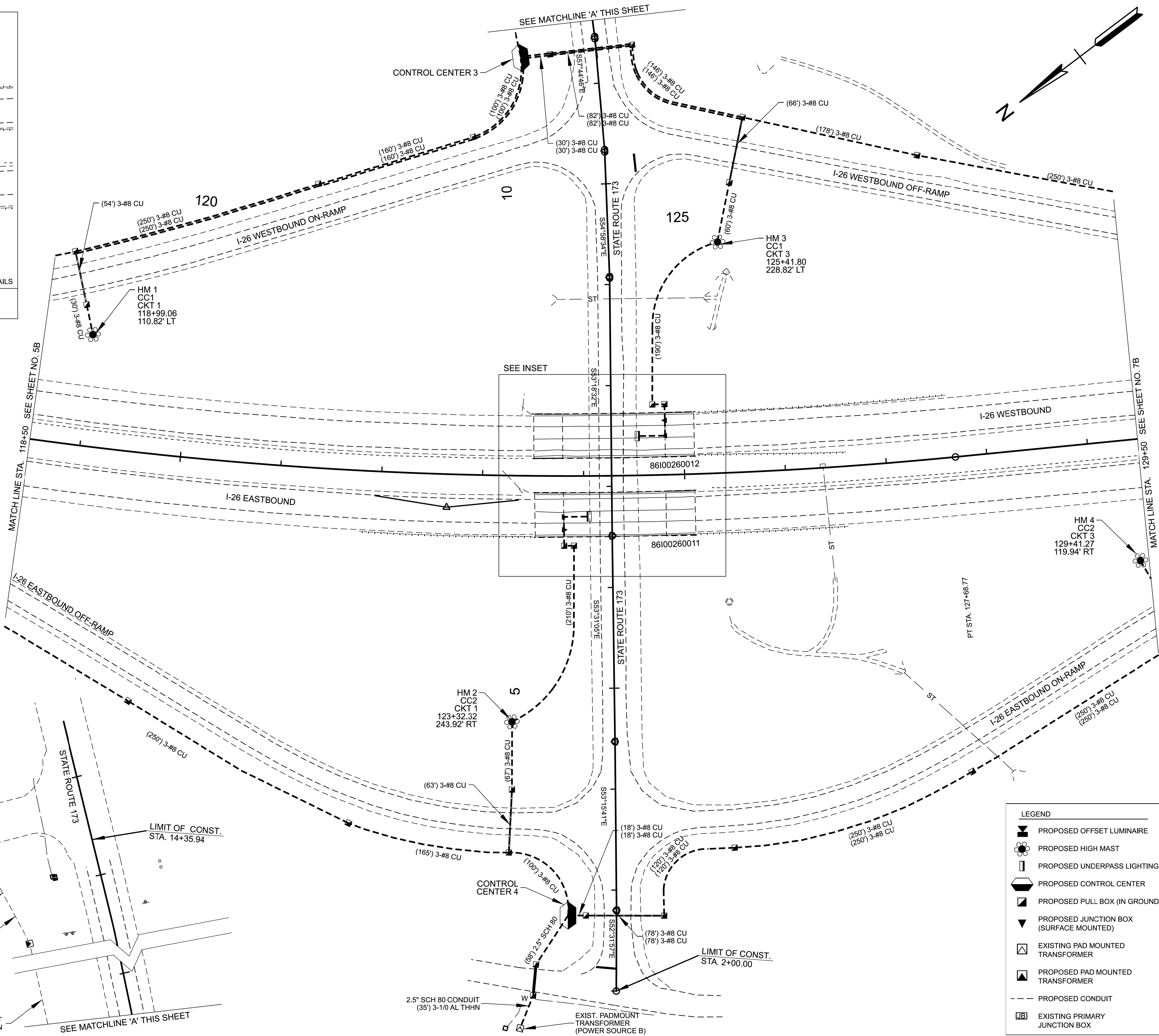


NOTE:

ERWIN UTILITIES IS RESPONSIBLE FOR FURNISHING AND INSTALLING UNDERGROUND PRIMARY CABLE, PRIMARY CONDUIT, SECONDARY CABLE, AND A PAD-MOUNT TRANSFORMER. CONTRACTOR TO CONTACT ERWIN UTILITIES FOR PRICING AND SCHEDULING.

TDOT'S CONTRACTOR TO BE RESPONSIBLE FOR OPENING AND CLOSING TRENCHES FOR UNDERGROUND PRIMARY AND SECONDARY POWER LINES AND FURNISH AND INSTALLING SECONDARY CONDUIT. A DIRECTIONAL BORE WILL NEED TO BE INSTALLED UNDER POWDER HOLLOW ROAD. THE SECONDARY CONDUIT NEEDS TO BE 2-INCH CONDUIT. SEE TRENCH SPECIFICATIONS ON DETAIL SHEET 264.

THE COST FOR PROVIDING SERVICE FROM POWER SOURCES TO CONTROL CENTERS SHALL BE INCLUDED IN ITEM NO. 714-25.03 AND 714-25.04.



LEGEND

- PROPOSED OFFSET LUMINAIRE
- PROPOSED HIGH MAST
- PROPOSED UNDERPASS LIGHTING
- PROPOSED CONTROL CENTER
- PROPOSED PULL BOX (IN GROUND)
- PROPOSED JUNCTION BOX (SURFACE MOUNTED)
- EXISTING PAD MOUNTED TRANSFORMER
- PROPOSED PAD MOUNTED TRANSFORMER
- PROPOSED CONDUIT
- EXISTING PRIMARY JUNCTION BOX

SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
No. 124958
STATE OF TENNESSEE
05/19/2026

SEALED BY

REBECCA C. BOLDEN
REGISTERED ENGINEER
No. 124959
STATE OF TENNESSEE
05/19/2026

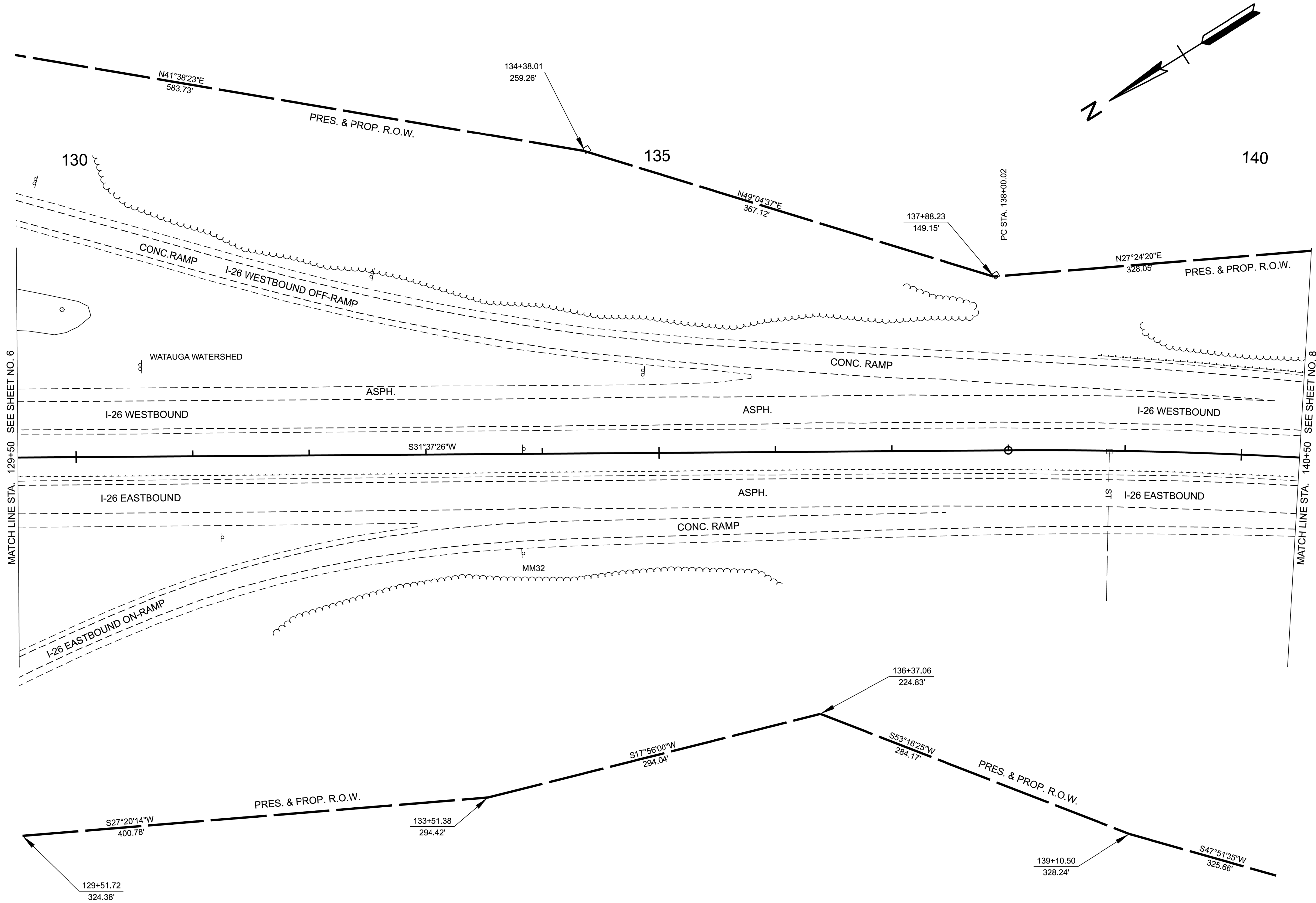
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
LAYOUT

STA. 118+50.00 TO STA. 129+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	7
FUNCTIONAL	2026	86I026-S1-004	7
PIH	2026	86I026-S3-004	7
PS&E	2026	86I026-S3-004	7



SEALED BY

BECCA C. BOLDEN
REGISTERED ENGINEER
STATE OF TENNESSEE
05/19/2026

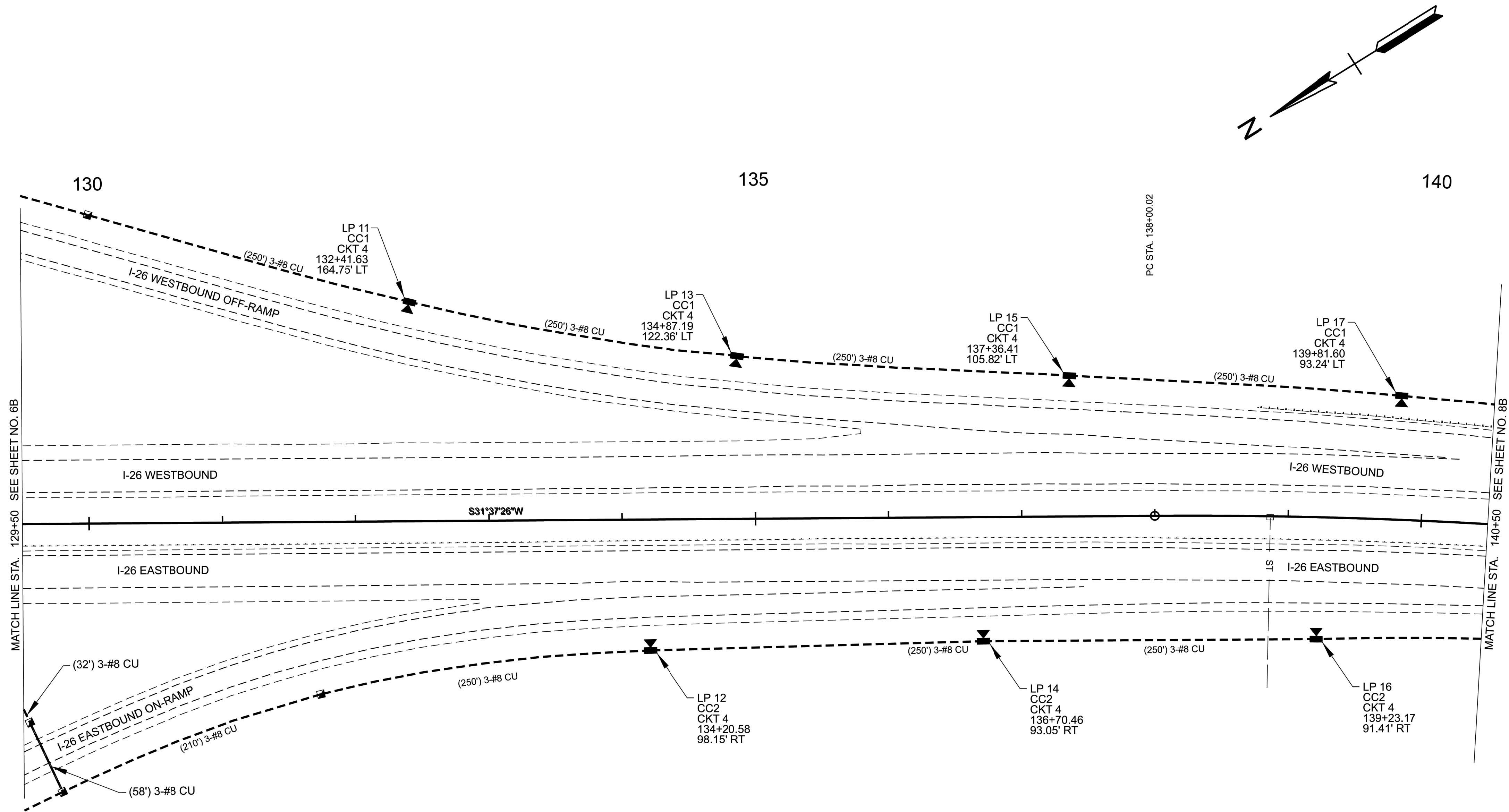
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**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**PRESENT
LAYOUT**

STA. 129+50.00 TO STA. 140+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	7
FUNCTIONAL	2026	86I026-S1-004	7B
PIH	2026	86I026-S3-004	7A
PS&E	2026	86I026-S3-004	7B



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

SEALED BY

DERICK WILLIAMS
REGISTERED ENGINEER
No. 124958
COMMERCIAL
STATE OF TENNESSEE
05/19/2026

SEALED BY

REBECCA C. BOLDEN
REGISTERED ENGINEER
No. 124958
COMMERCIAL
STATE OF TENNESSEE
05/19/2026

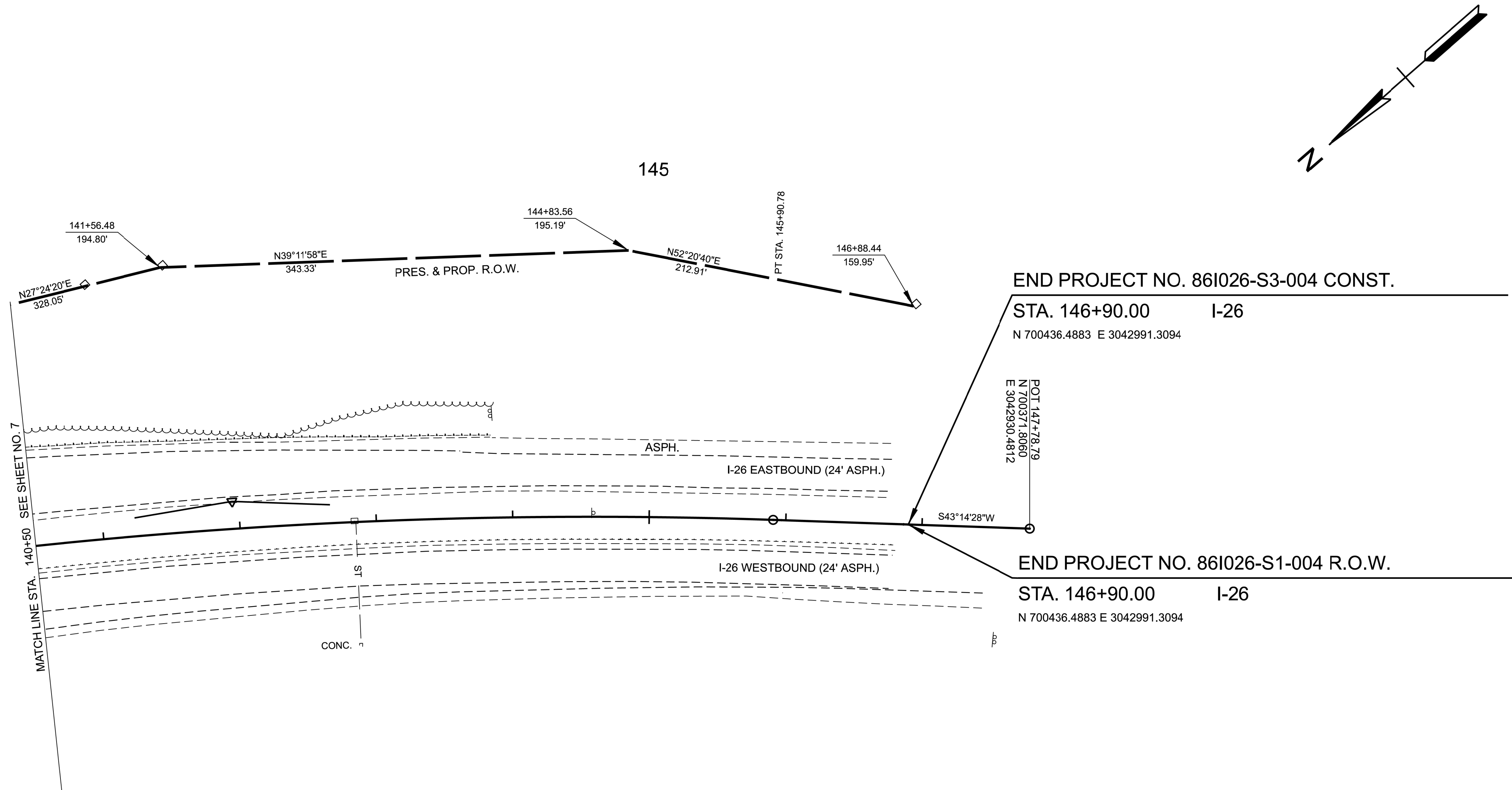
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

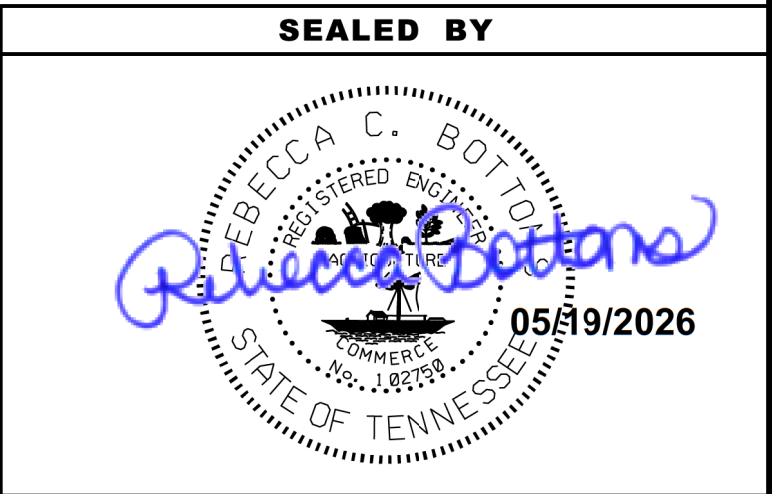
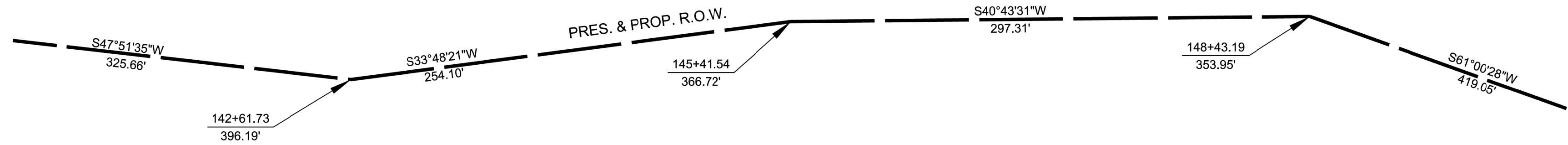
PROPOSED
LAYOUT

STA. 129+50.00 TO STA. 140+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	8
FUNCTIONAL	2026	86I026-S1-004	8
PIH	2026	86I026-S3-004	8
PS&E	2026	86I026-S3-004	8



I-26
CURVE
PI 141+96.76
N 700797.7862
E 3043331.0787
Δ 11°37'02" RT.
D 01°28'09"
R 3900.00'
L 790.76'
T 396.74'
LC 789.40'
BC S37°25'57.0"W



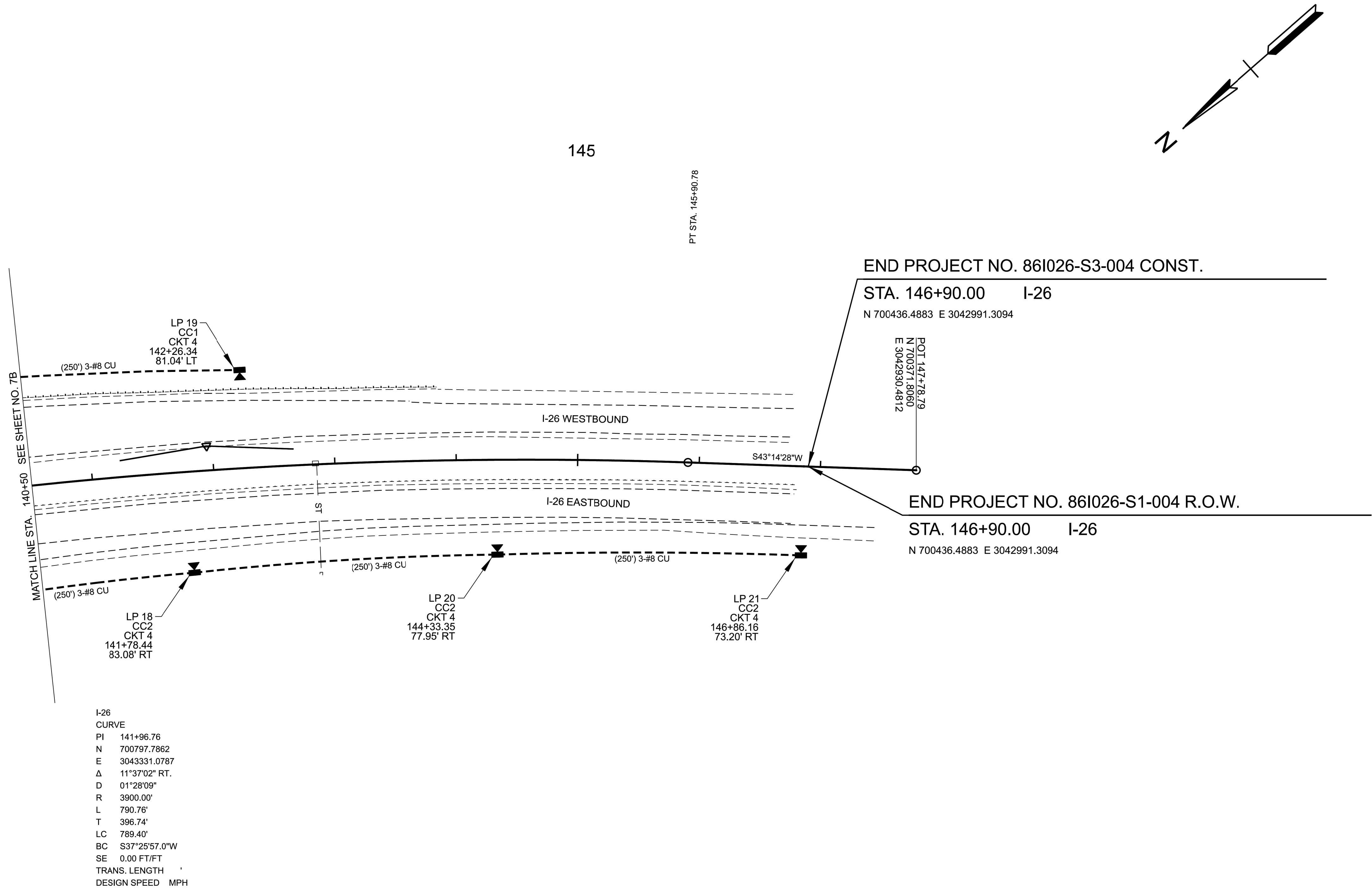
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

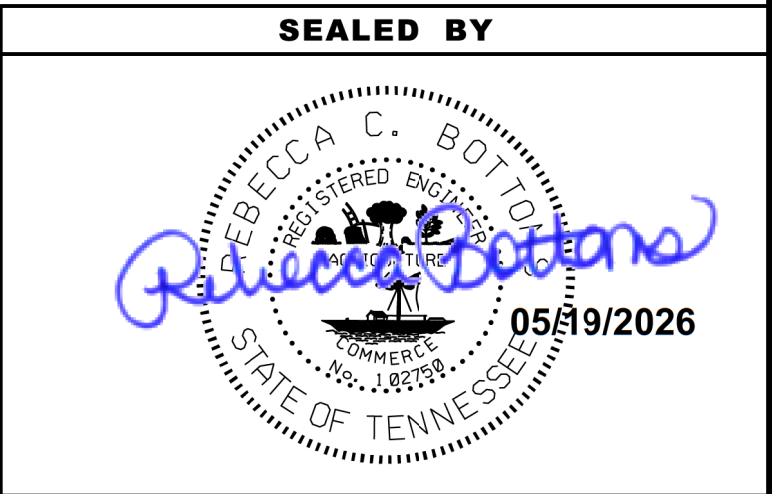
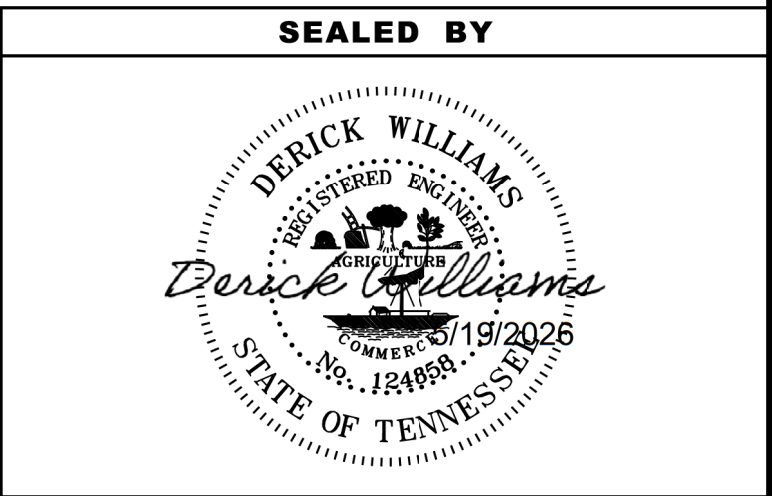
PRESENT
LAYOUT

STA. 140+50.00 TO STA. 151+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S1-004	8
FUNCTIONAL	2026	86I026-S1-004	8B
PIH	2026	86I026-S3-004	8A
PS&E	2026	86I026-S3-004	8B



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT



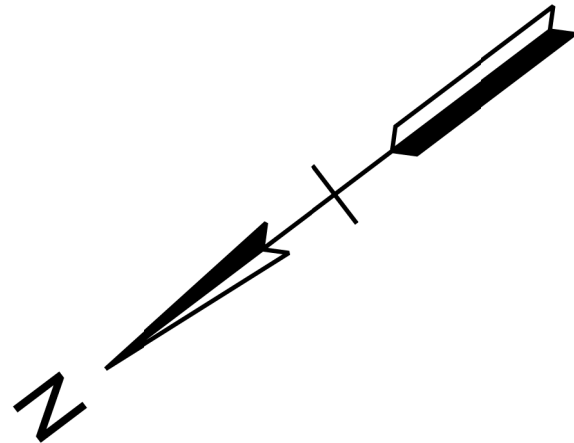
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED
LAYOUT

STA. 140+50.00 TO STA. 151+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PS&E	2026	86I026-S3-004	9



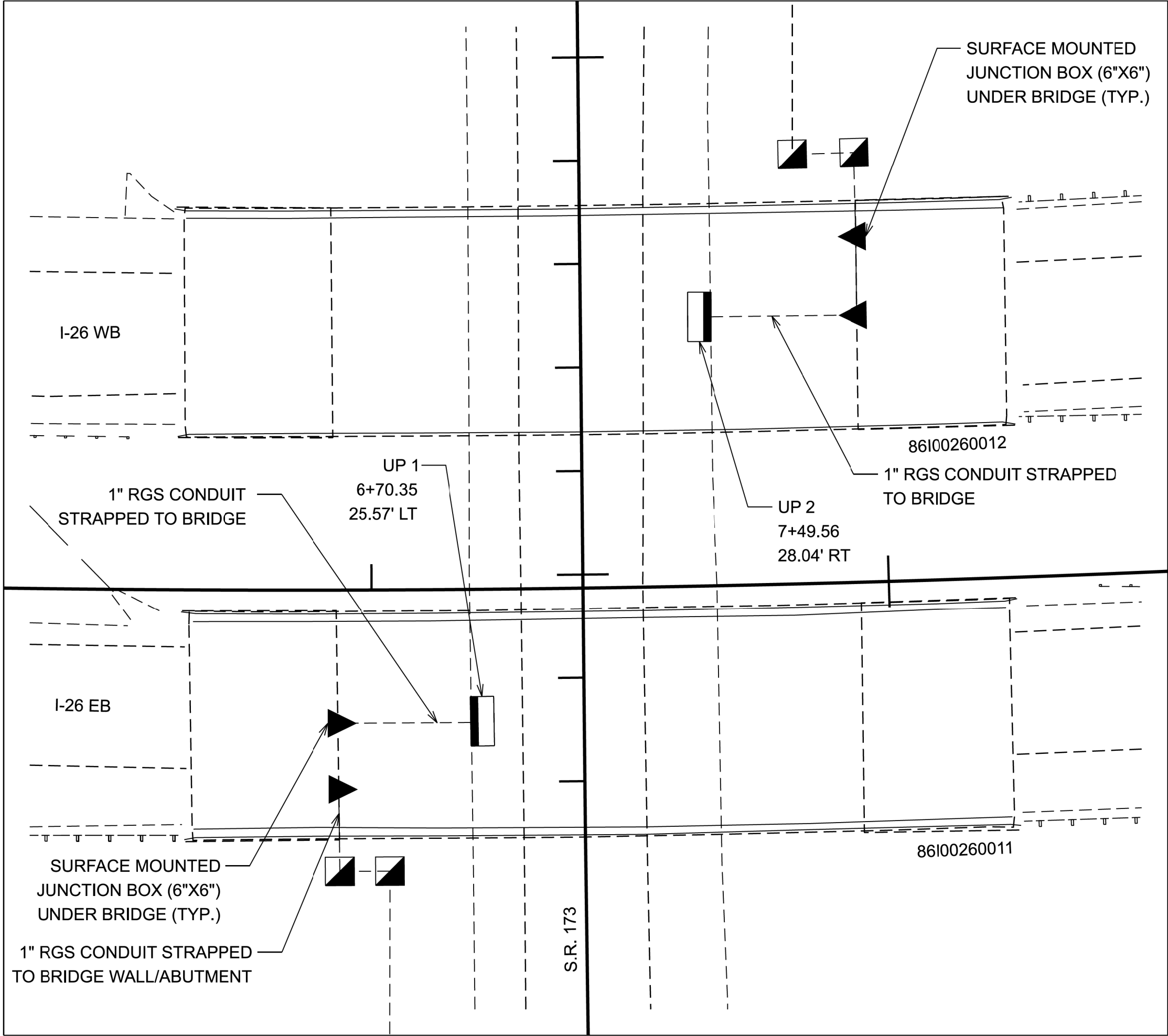
LEGEND

PROPOSED UNDERPASS LIGHTING

PROPOSED PULL BOX (IN GROUND)

PROPOSED JUNCTION BOX (SURFACE MOUNTED)

PROPOSED CONDUIT



BRIDGE 86I00260009 AND 86I00260010
I-26 OVER
UNICOI ROAD (S.R. 173)

INCLUDES:

- A) ±110 L.F. 1" RGS CONDUIT
- B) 4 - JUNCTION BOXES (SURFACE MOUNTED)
- C) 2 - JUNCTION BOXES FOR UNDERPASS LUMINAIRES (SURFACE MOUNTED)

SEALED BY

REBECCA C. BOLDEN

REGISTERED ENGINEER

05/19/2026

STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

UNDERPASS
LIGHTING
DETAILS

ENVIRONMENTAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

DISTURBED AREA

- (1) IF DISTURBED ACREAGE IS EQUAL TO ONE ACRE OR MORE, PLEASE CONTACT TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION AS SOON AS POSSIBLE BECAUSE AN NPDES PERMIT WILL BE REQUIRED.
- (2) AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.
- (3) UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL NOT CLEAR/DISTURB ANY AREA BEYOND 15 FEET FROM SLOPE LINES.
- (4) PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED (I.E. CLEARING AND GRUBBING INITIATED) MORE THAN 14 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING ACTIVITIES UNLESS THE AREA IS MULCHED, SEEDED WITH MULCH, OR OTHER TEMPORARY COVER IS APPLIED.
- (5) CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION, INCLUDING STREAM AND WETLAND BUFFERS (UNLESS PERMITTED), SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.

SEDIMENT CONTROL

- (6) EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.
- (7) TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY BUT MUST BE REINSTALLED AT THE END OF THE WORKDAY OR BEFORE/DURING A PRECIPITATION EVENT.
- (8) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFFSITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. R.O.W., EASEMENTS, ETC.), INTO WATERS OF THE STATE/U.S., OR ONTO ROADWAYS USED BY THE GENERAL PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFFSITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY SUFFICIENT TO MINIMIZE OFFSITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM SEWERS AND STREAMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POSE A SAFETY HAZARD TO USERS OF PUBLIC STREETS). ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY MUST BE NEGOTIATED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT.
- (9) OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION EXIT (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- (10) THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER, WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLING BASINS OR TREATED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL PHYSICAL AND/OR CHEMICAL TREATMENT WILL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES AND FULLY DESCRIBED IN THE EPSC PLANS. WATER DISCHARGED SHALL NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD IN SETTLING BASINS UNTIL AT LEAST AS CLEAR AS THE RECEIVING WATERS. SETTLING BASINS SHALL NOT BE LOCATED CLOSER THAN 20 FEET FROM THE TOP BANK OF A STREAM. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED ACCORDING TO THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL-VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. DISCHARGES FROM BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. DISCHARGES MUST NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITH THE RECEIVING STREAM.

INSPECTION, MAINTENANCE & REPAIR

- (12) THE TDOT CONSTRUCTION SUPERVISOR (OR THEIR DESIGNEE) AND THE CONTRACTOR'S RESPONSIBLE PARTY ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION SUPERVISOR OR THEIR DESIGNEE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.
- (13) TDOT CONSULTANTS AND CONTRACTOR STAFF RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE, AND/OR REPAIR OF EPSC MEASURES SHALL SUCCESSFULLY COMPLETE THE TDEC "LEVEL 1 - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE AND ANY REFRESHER COURSES AS REQUIRED TO MAINTAIN CERTIFICATION. TDOT STAFF AND SUPERVISORS RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE, AND/OR REPAIR OF EPSC MEASURES SHALL SUCCESSFULLY COMPLETE THE TDOT "FUNDAMENTALS OF EROSION AND SEDIMENT CONTROL" CLASS AND ANY REFRESHER COURSES AS REQUIRED TO MAINTAIN CERTIFICATION.
- (14) EPSC CONTROLS SHALL BE INSPECTED ACCORDING TO PERMIT REQUIREMENTS TO VERIFY MEASURES HAVE BEEN INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS, SPECIFICATIONS, AND GOOD ENGINEERING PRACTICES. EPSC INSPECTIONS SHALL BE DOCUMENTED ON THE TDOT EPSC INSPECTION REPORT.
- (15) DISCHARGE POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING EROSION AND CONTROLLING SEDIMENT INCLUDING SIGNIFICANT IMPACTS TO SURROUNDING NATURAL RESOURCES AND ADJACENT PROPERTY OWNERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWN GRADIENT LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE ROADWAY SEDIMENT TRACKING.
- (16) UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE MORE THAN 24 HOURS AFTER THE INSPECTION OR WHEN THE CONDITION IS IDENTIFIED. IF THE REPAIR, REPLACEMENT OR MODIFICATION IS NOT PRACTICAL WITHIN THE 24 HOUR TIMEFRAME, WRITTEN DOCUMENTATION SHALL BE PROVIDED IN THE FIELD DIARY AND EPSC INSPECTION REPORT. AN ESTIMATED REPAIR, REPLACEMENT OR MODIFICATION SCHEDULE SHALL BE DOCUMENTED WITHIN 24 HOURS AFTER IDENTIFICATION.
- (17) INSPECTION, REPAIR, AND MAINTENANCE OF EPSC MEASURES SHALL BE PERFORMED ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE EPSC MEASURES AT THE CONTRACTOR'S OWN EXPENSE.
- (18) THE EPSC PLAN SHALL BE UPDATED WHENEVER EPSC INSPECTIONS INDICATE, OR WHERE STATE OR FEDERAL OFFICIALS DETERMINE EPSC MEASURES ARE PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES OR ARE OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.
- (19) SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS AND DOES NOT MIGRATE ONTO ADJACENT PROPERTIES AND INTO WATERS OF THE STATE/U.S. COST FOR THIS TREATMENT SHALL BE INCLUDED IN PRICE BID FOR ITEM NO. 209-05 SEDIMENT REMOVAL, C.Y.

EROSION PREVENTION

- (20) CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION.
- (21) THE ACCEPTED EPSC PLAN SHALL REQUIRE THAT EPSC MEASURES BE IN PLACE BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.
- (22) NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY

THE TDOT RESPONSIBLE PARTY. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE BASIC EPSC DEVICES ON THE EPSC PLAN.

- (23) TEMPORARY STABILIZATION SHALL BE INITIATED WITHIN 14 CALENDAR DAYS WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE ARE TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME UNTIL AFTER 14 CALENDAR DAYS. PERMANENT STABILIZATION MEASURES IN DISTURBED AREAS SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OF ANY PHASE OF CONSTRUCTION.
- (24) STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR GREATER REGARDLESS OF HEIGHT.
- (25) PERMANENT STABILIZATION WILL REPLACE TEMPORARY MEASURES AS SOON AS PRACTICABLE. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS.
- (26) TEMPORARY OR PERMANENT STABILIZATION MUST BE FREE OF FINES (SILT AND CLAY SIZED PARTICLES). UNPACKED GRAVEL CONTAINING FINES OR CRUSHER-RUN WILL NOT BE CONSIDERED SUFFICIENT STABILIZATION.
- (27) DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED.

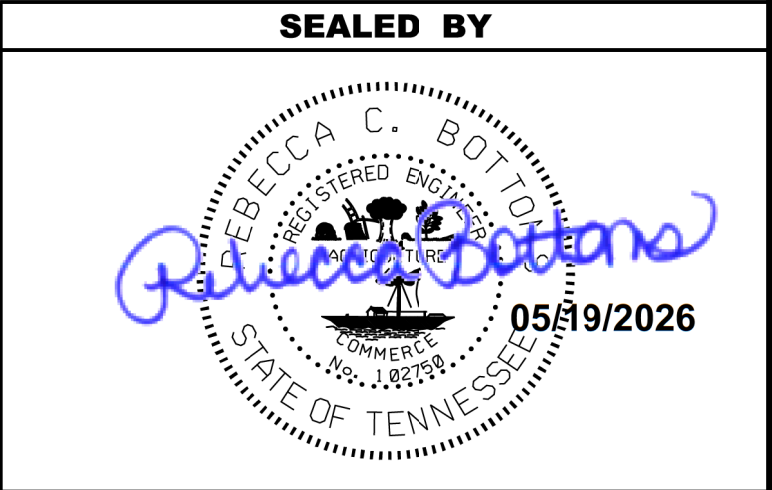
PERMITS, PLANS & RECORDS

- (28) THE EPSC PLAN IS TO SERVE AS AN INITIAL GUIDE FOR SITE PERSONNEL AS THE CONSTRUCTION PROCESS DEVELOPS. IT MUST BE AMENDED, MODIFIED, AND UPDATED WHENEVER A CHANGE IN THE DESIGN OR CONSTRUCTION OF THE PROJECT OCCURS. THE STAGES DEPICTED IN THE EPSC PLANS MAY NOT COINCIDE WITH THE ACTUAL PHASES OF CONSTRUCTION ESTABLISHED BY THE CONTRACTOR DURING CONSTRUCTION, THUS MODIFICATIONS WILL BE REQUIRED TO ENSURE THE EPSC PLAN IS MAINTAINED TO DEPICT CURRENT SITE CONDITIONS. IT SHOULD BE MAINTAINED SUCH THAT IT WILL ALWAYS REFLECT THE MEASURES THAT ARE INSTALLED DURING THE VARIOUS PHASES OF CONSTRUCTION. IT IS IMPRACTICAL TO DETERMINE ALL THE INTERMEDIATE PHASES OF CONSTRUCTION THAT WILL OCCUR; THUS THESE DOCUMENTS WILL HAVE TO BE UPDATED THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT.

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

- (29) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS SHALL BE REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFFSITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EPSC SHALL BE REMOVED FROM THE SITE.
- (30) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. ALL EQUIPMENT REFUELING, SERVICING, AND STAGING AREAS SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS, RULES, REGULATIONS, AND ORDINANCES, INCLUDING THOSE OF THE NATIONAL FIRE PROTECTION ASSOCIATION. APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED.
- (31) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS SHALL NOT BE PERMITTED ONSITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.
- (32) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	9
PIH	2026	86I026-S3-004	9
PS&E	2026	86I026-S3-004	10



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION
AND SEDIMENT CONTROL
SPECIAL NOTES

ENVIRONMENTAL NOTES (CONT'D)

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL (CONT'D)

- (33) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.
- (34) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.
- (35) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.
- (36) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- (37) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.
- (38) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.
- (39) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.
- (40) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

SUPPORT ACTIVITIES

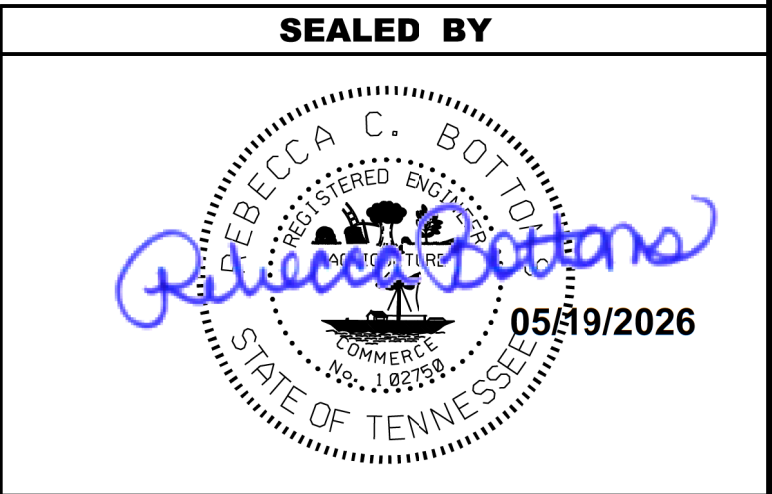
- (41) IF OFFSITE BORROW AND WASTE AREAS BECOME NECESSARY DURING THE LIFE OF THE PROJECT, THIS SUPPORT ACTIVITY SHALL BE ADDRESSED PER THE TDOT WASTE AND BORROW MANUAL.
- (42) MATERIALS AND STAGING AREAS SHALL BE LOCATED IN NON-WETLAND AREAS AND ABOVE THE 100-YEAR, FEDERAL EMERGENCY MANAGEMENT AGENCY FLOODPLAIN.
- (43) IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY EPSC PLANS FOR THE MATERIAL AND STAGING AREAS TO THE ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE FOR REVIEW.

SPILL PREVENTION, MANAGEMENT & NOTIFICATION

- (44) ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE AND SPILLS.
- (45) FOR ALL HAZARDOUS MATERIALS STORED ONSITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED. SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.
- (46) APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ONSITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

- (47) ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- (48) THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.
- (49) IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION SHALL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR SHALL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.
- (50) FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED. ONCE APPLIED, FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.
- (51) IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT RESPONSIBLE PARTY. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.
- (52) WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD. SEE THE LATEST TENNESSEE GENERAL PERMIT NO. TNR100000 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SECTION 5.1 FOR REPORTING REQUIREMENTS.
- (53) CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ONSITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE CONTAINERS WITH A COMBINED CAPACITY OF 1320 GALLONS OR MORE SHALL HAVE SECONDARY CONTAINMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN FOR THE BULK STORAGE AND BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ONSITE AND A COPY PROVIDED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO STORING 1320 GALLONS ON SITE.

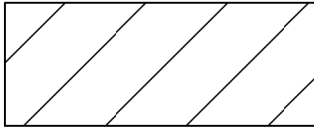
TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	861026-S1-004	9A
PIH	2026	861026-S3-004	9A
PS&E	2026	861026-S3-004	11



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

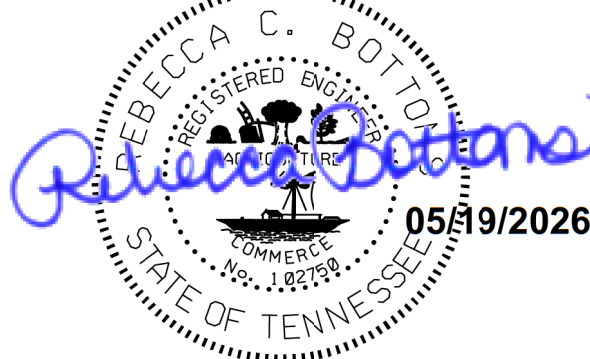
EROSION PREVENTION
AND SEDIMENT CONTROL
SPECIAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	10
PIH	2026	86I026-S3-004	10
PS&E	2026	86I026-S3-004	12

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
** TUBE ** TUBE	SEDIMENT TUBE	EC-STR-37
	SEEDING (WITH MULCH)	

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES				
	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)	740-11.01	TEMPORARY SEDIMENT TUBE 8 INCH	L.F.	9900
(1)	801-01	SEEDING (WITH MULCH)	UNIT	99
(1) (2)	801-03	WATER (SEEDING & SODDING)	M.G.	9.9
(1)	SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.			
(2)	INCLUDES 9.9 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.			

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION
PREVENTION &
SEDIMENT CONTROL
(EPSC) LEGEND &
TABULATION

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	11
PIH	2026	86I026-S3-004	11
PS&E	2026	86I026-S3-004	13

BEGIN PROJECT NO. 86I026-S3-004 CONST.

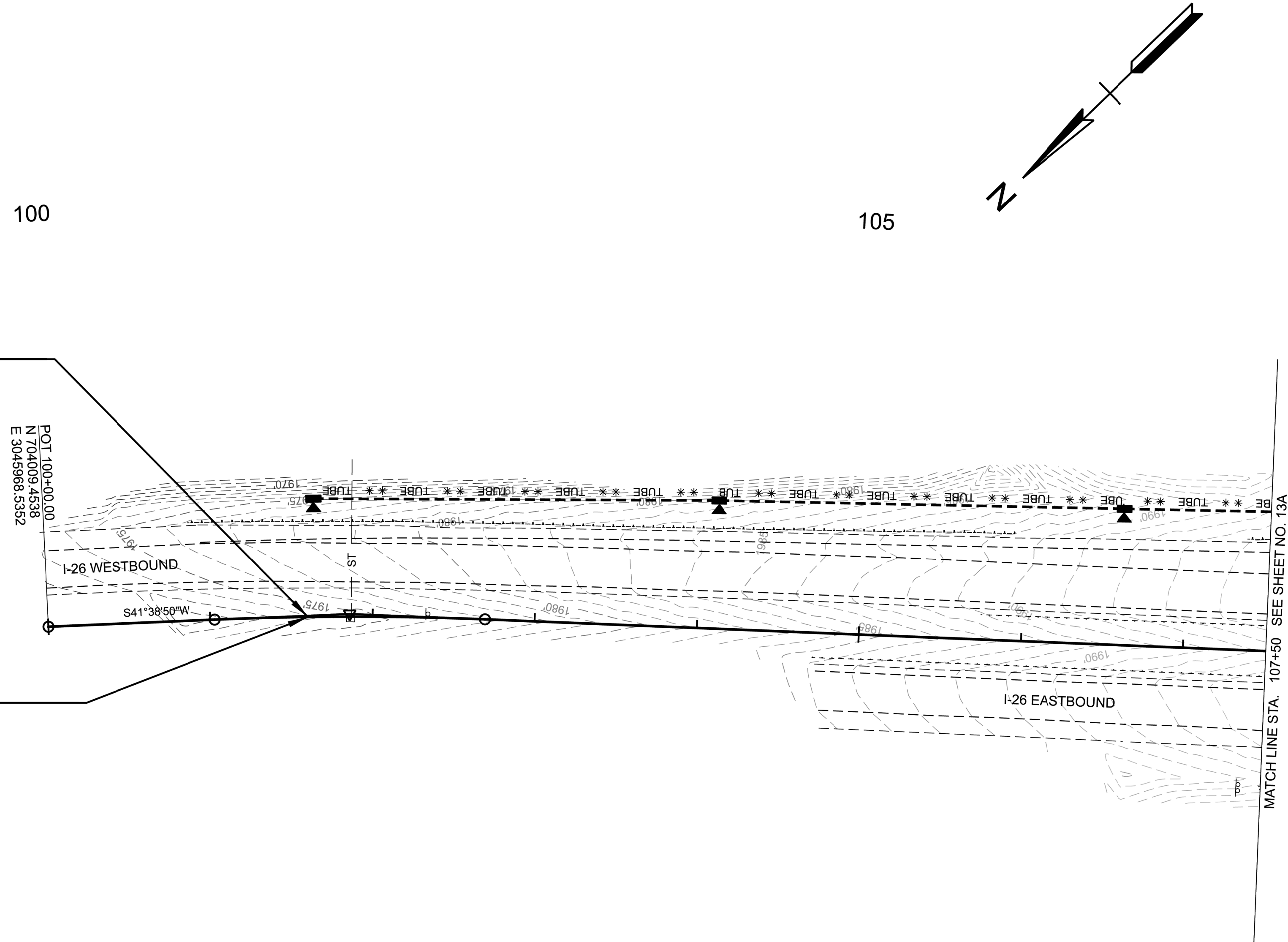
STA. 101+60.00 I-26

N 703900.2536 E 3045870.3216

BEGIN PROJECT NO. 86I026-S1-004 R.O.W.

STA. 101+60.00 I-26

N 703900.2536 E 3045870.3216



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

STAGE I

SEALED BY

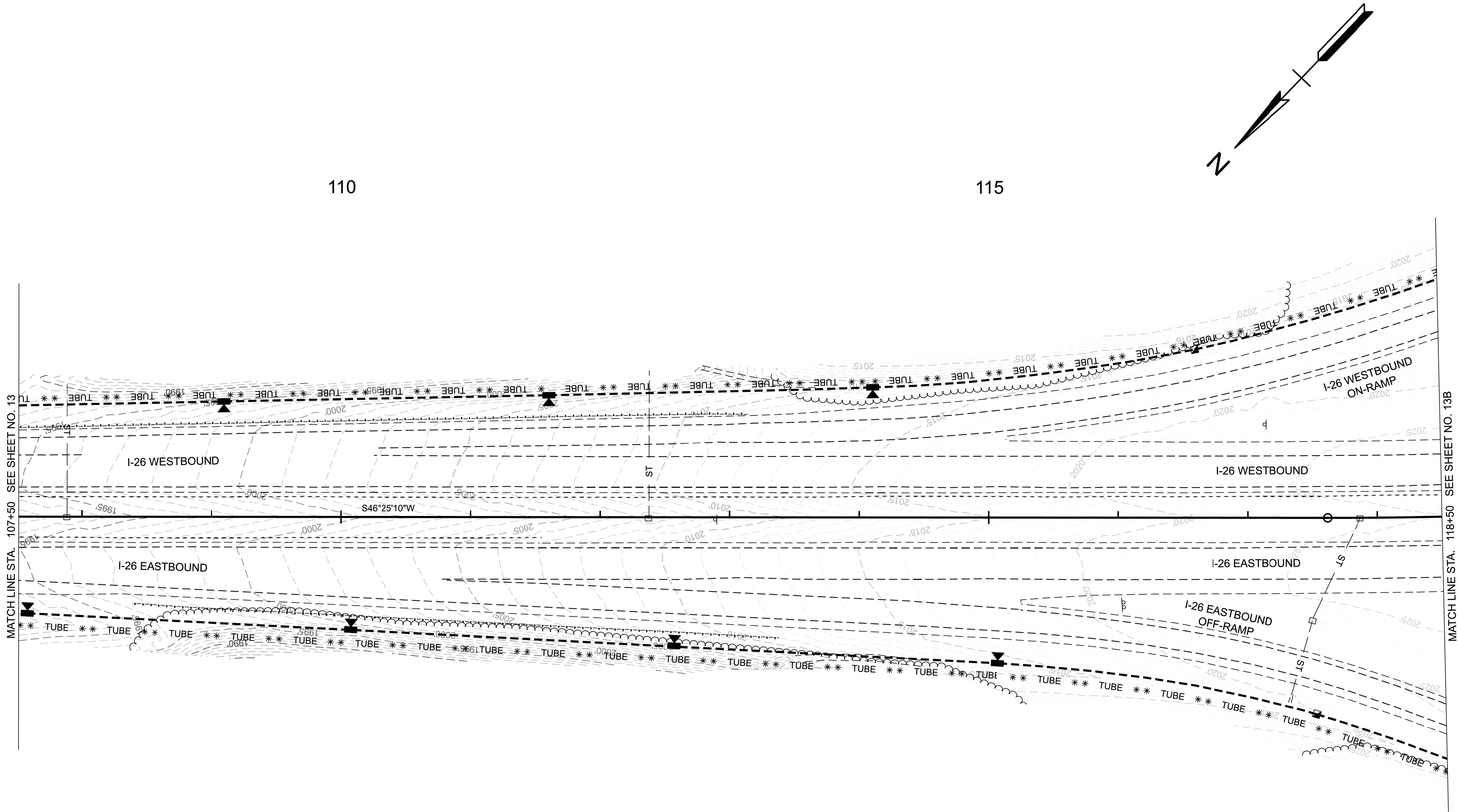
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

**EROSION PREVENTION &
SEDIMENT CONTROL
PLANS**

STA. 96+50.00 TO STA. 107+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	11A
PIH	2026	86I026-S3-004	11A
PS&E	2026	86I026-S3-004	13A



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

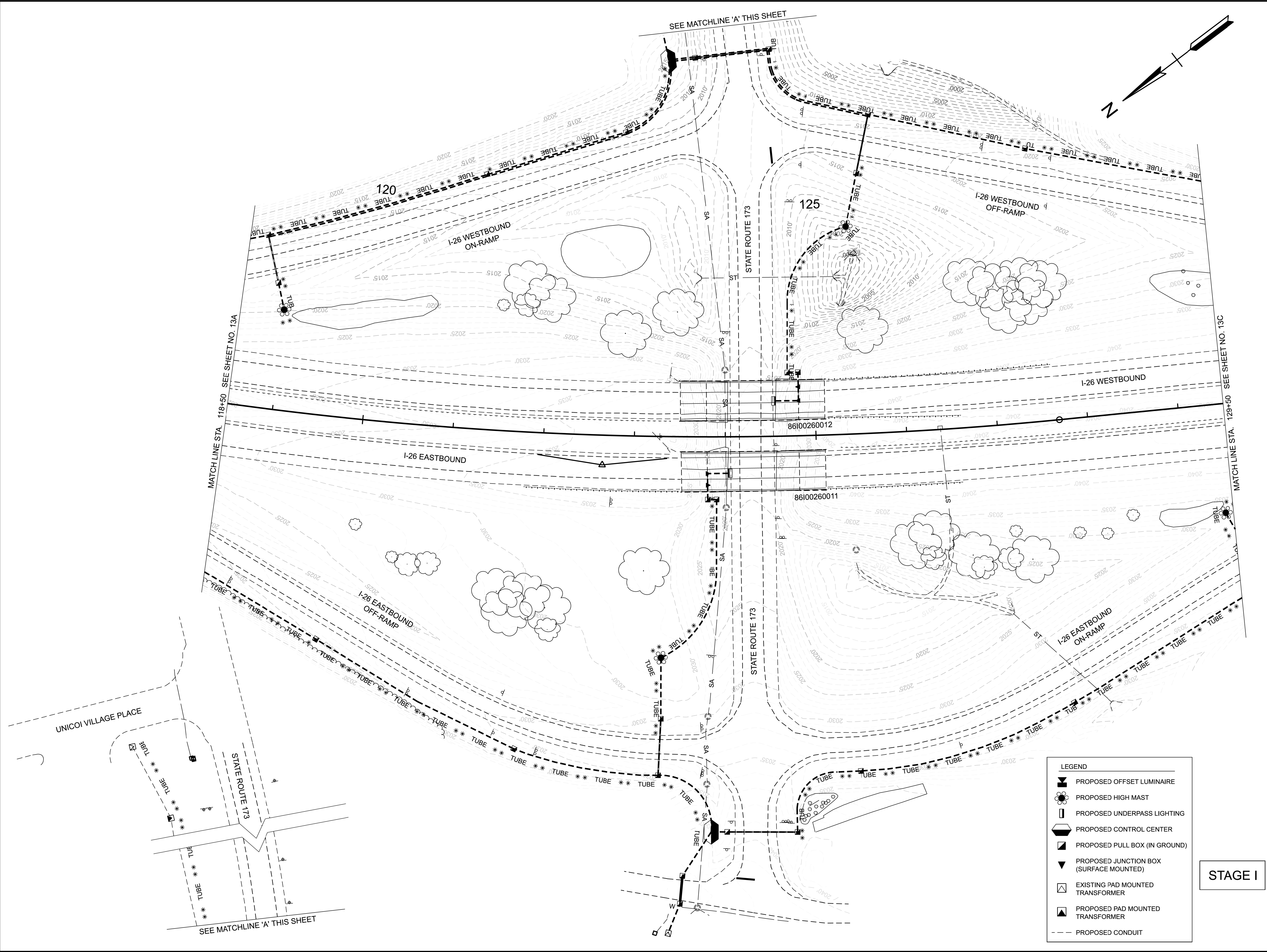
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL PLANS

STA. 107+50.00 TO STA. 118+50.00
SCALE: 1" = 50'

STAGE I

5/19/2026 12:50:24 PM
Z:\00212-0026.8\03-Drawings\02-Transportation\PS&E\861026-SHT-Erosion and Sediment Control Stage I.dgn



TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	861026-S1-004	11B
PIH	2026	861026-S3-004	11B
PS&E	2026	861026-S3-004	13B

SEALED BY

REBECCA C. BOLDEN
REGISTERED ENGINEER
STATE OF TENNESSEE
05/19/2026

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL PLANS

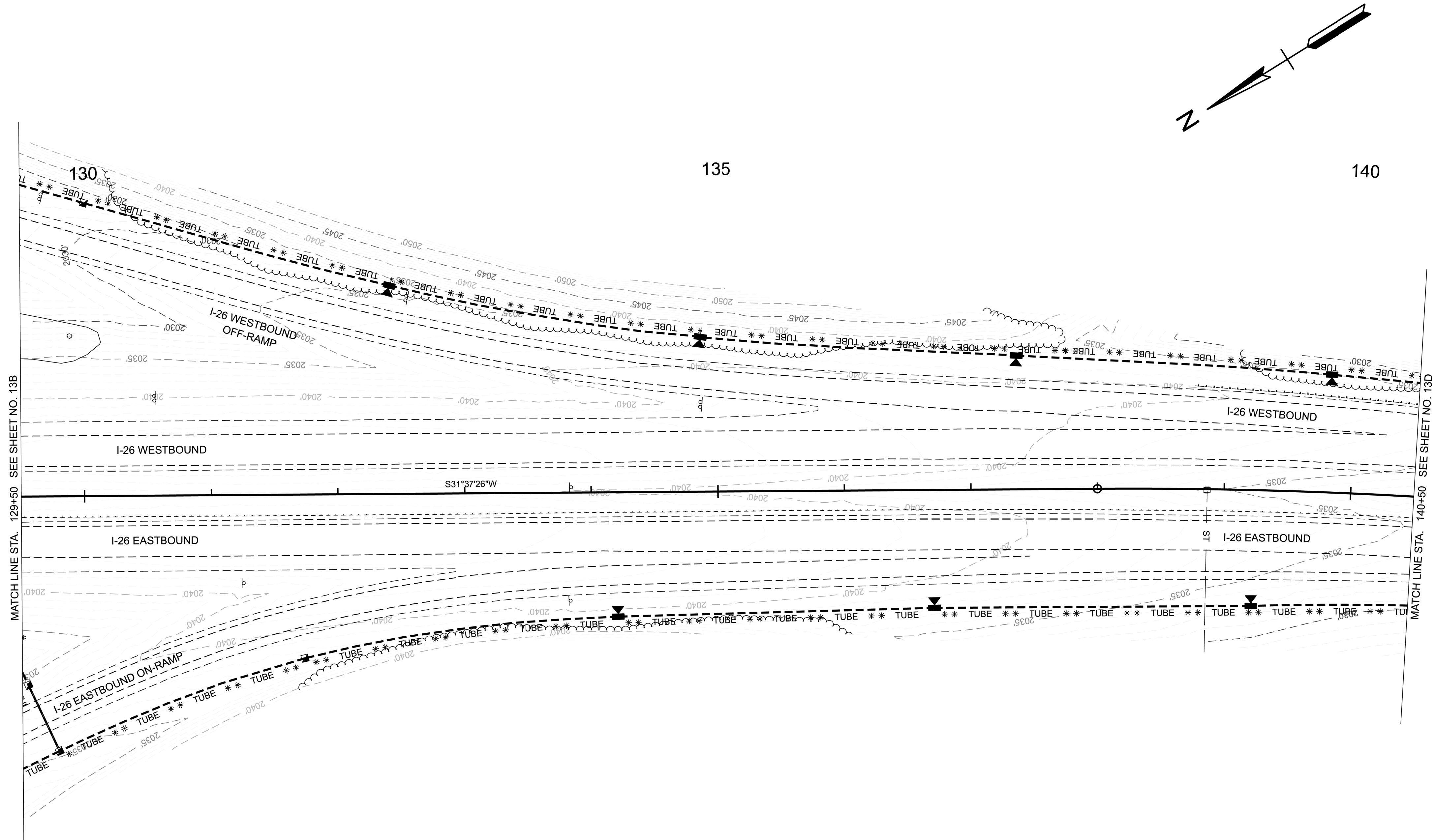
STA. 118+50.00 TO STA. 129+50.00
SCALE: 1" = 50'

STAGE I

LEGEND

- PROPOSED OFFSET LUMINAIRE
- PROPOSED HIGH MAST
- PROPOSED UNDERPASS LIGHTING
- PROPOSED CONTROL CENTER
- PROPOSED PULL BOX (IN GROUND)
- PROPOSED JUNCTION BOX (SURFACE MOUNTED)
- EXISTING PAD MOUNTED TRANSFORMER
- PROPOSED PAD MOUNTED TRANSFORMER
- PROPOSED CONDUIT

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	11C
PIH	2026	86I026-S3-004	11C
PS&E	2026	86I026-S3-004	13C



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

SEALED BY

COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL PLANS

STA. 129+50.00 TO STA. 140+50.00
SCALE: 1" = 50'

STAGE I

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	12
PIH	2026	86I026-S3-004	12
PS&E	2026	86I026-S3-004	14

BEGIN PROJECT NO. 86I026-S3-004 CONST.

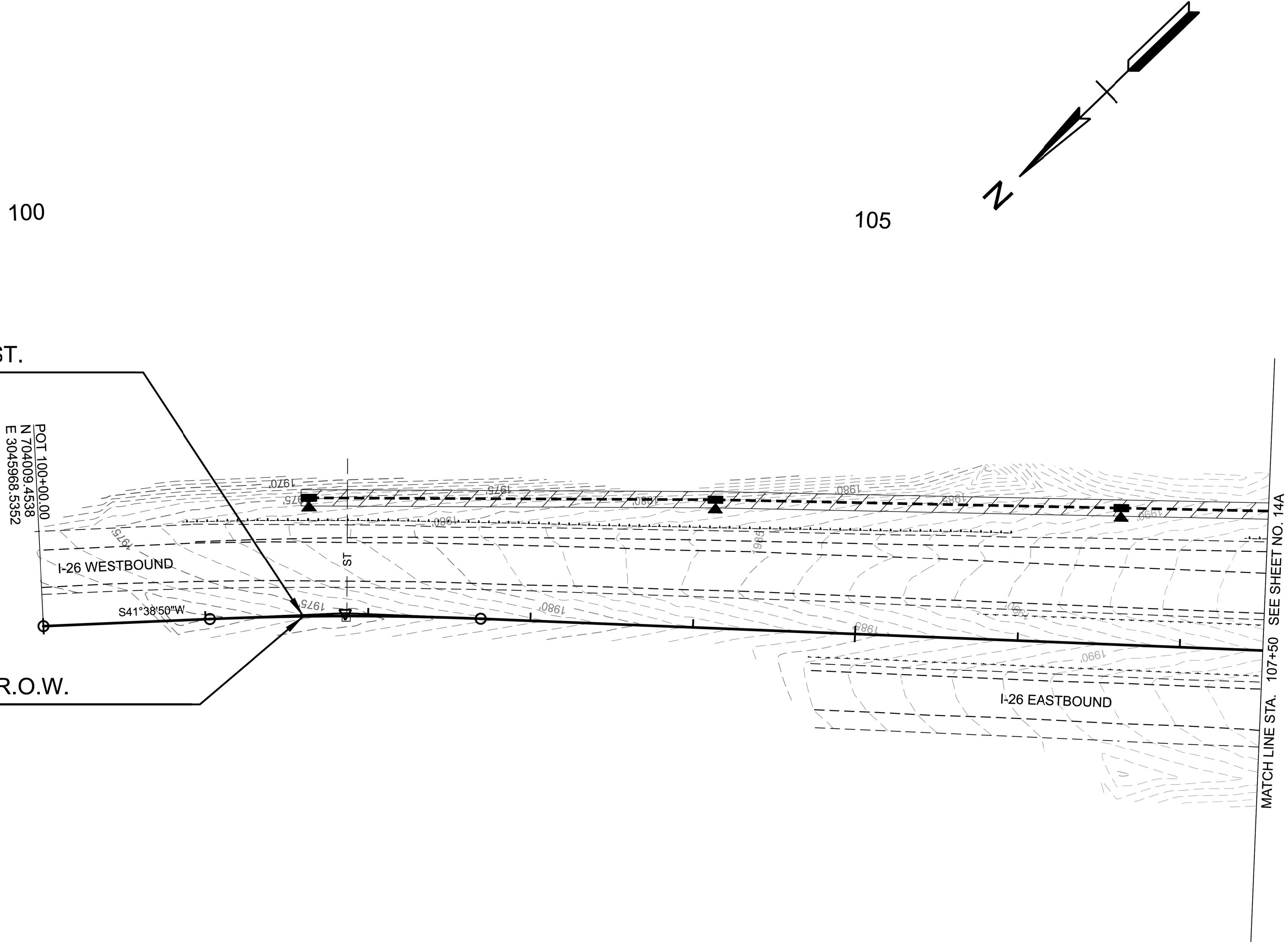
STA. 101+60.00 I-26

N 703900.2536 E 3045870.3216

BEGIN PROJECT NO. 86I026-S1-004 R.O.W.

STA. 101+60.00 I-26

N 703900.2536 E 3045870.3216



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

STAGE II

SEALED BY

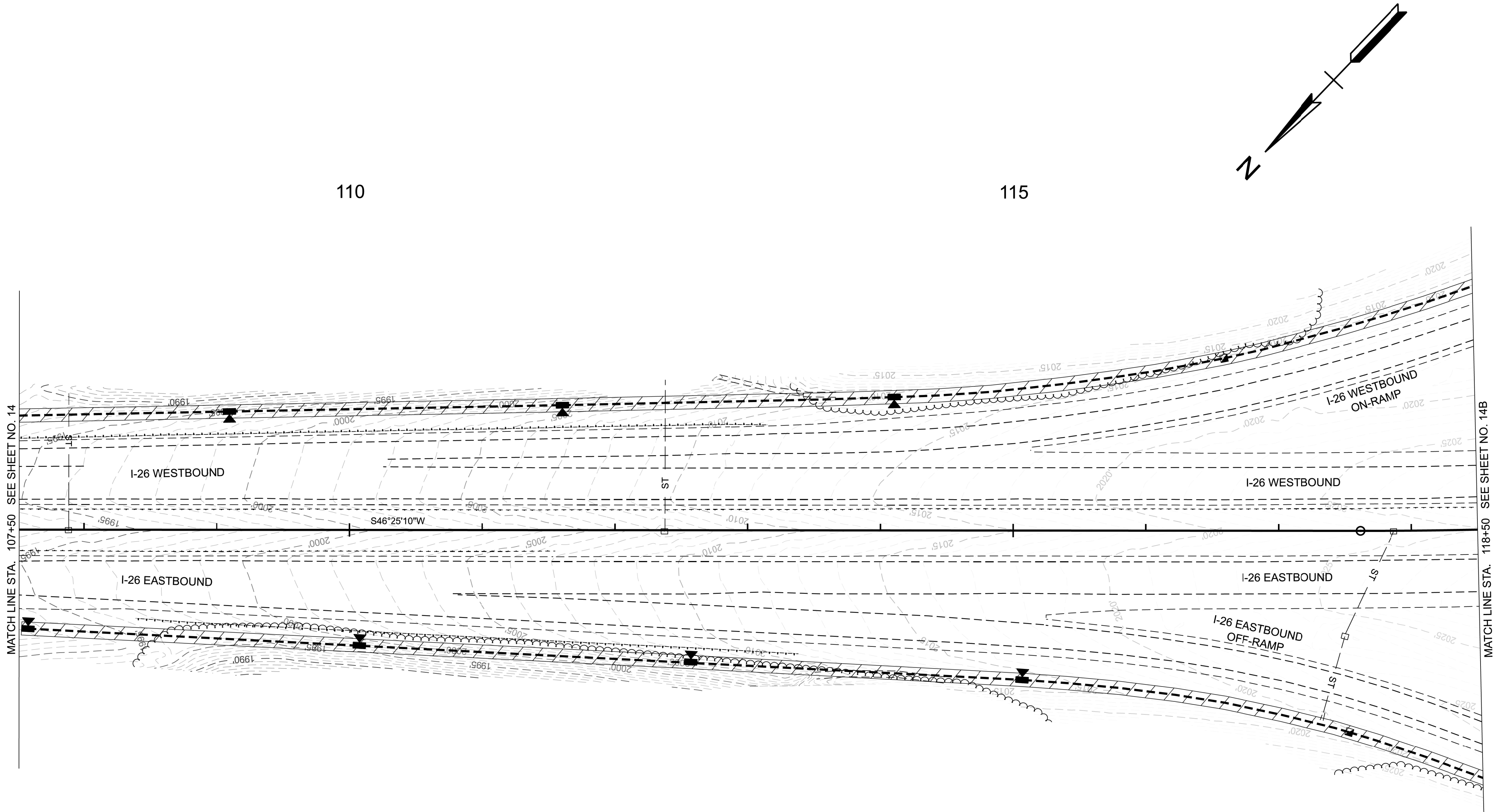
COORDINATES ARE NAD 83(2011), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID 18.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL PLANS

STA. 96+50.00 TO STA. 107+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	12A
PIH	2026	86I026-S3-004	12A
PS&E	2026	86I026-S3-004	14A



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

SEALED BY

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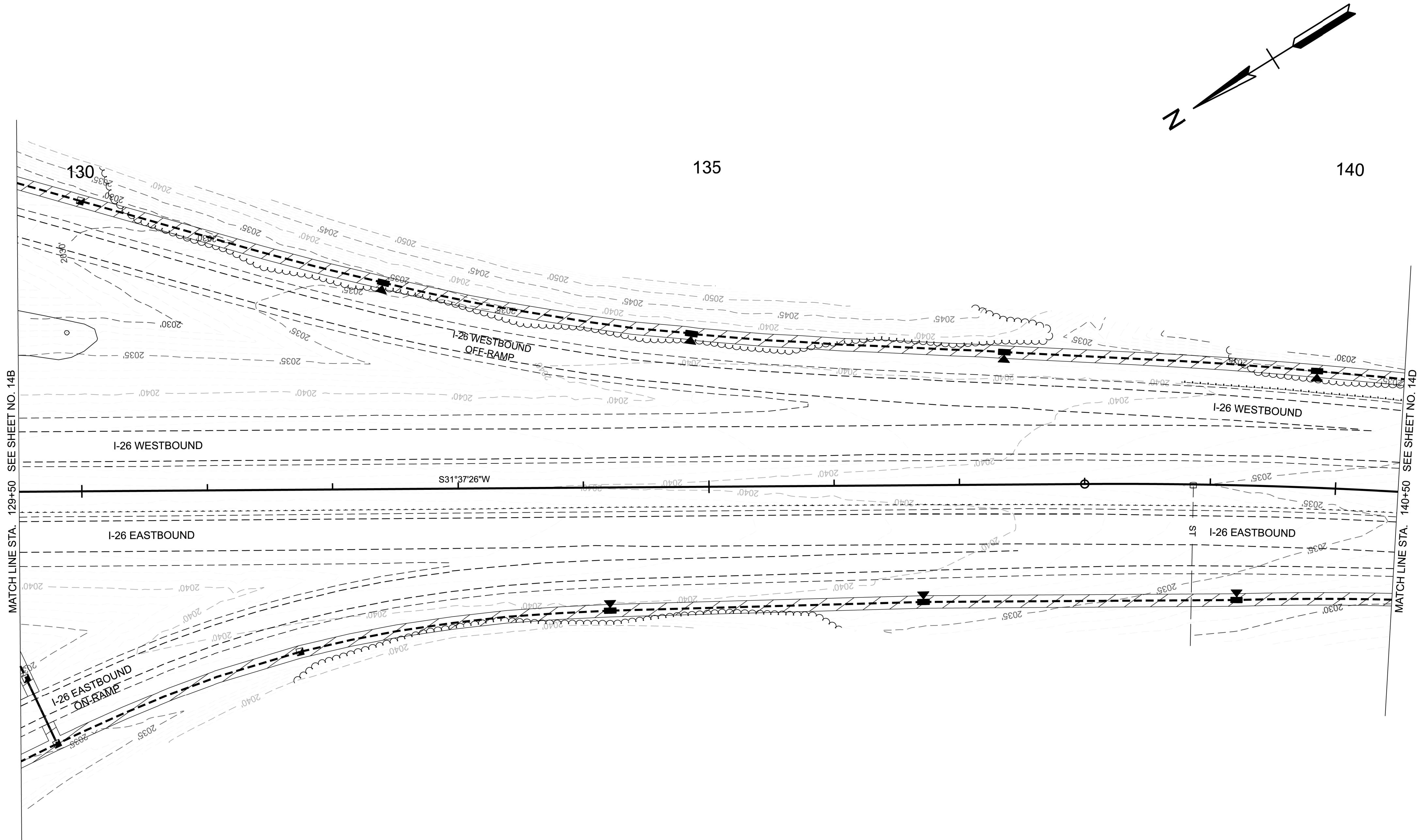
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION &
SEDIMENT CONTROL
PLANS

STA. 107+50.00 TO STA. 118+50.00
SCALE: 1" = 50'

STAGE II

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	12C
PIH	2026	86I026-S3-004	12C
PS&E	2026	86I026-S3-004	14C



LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

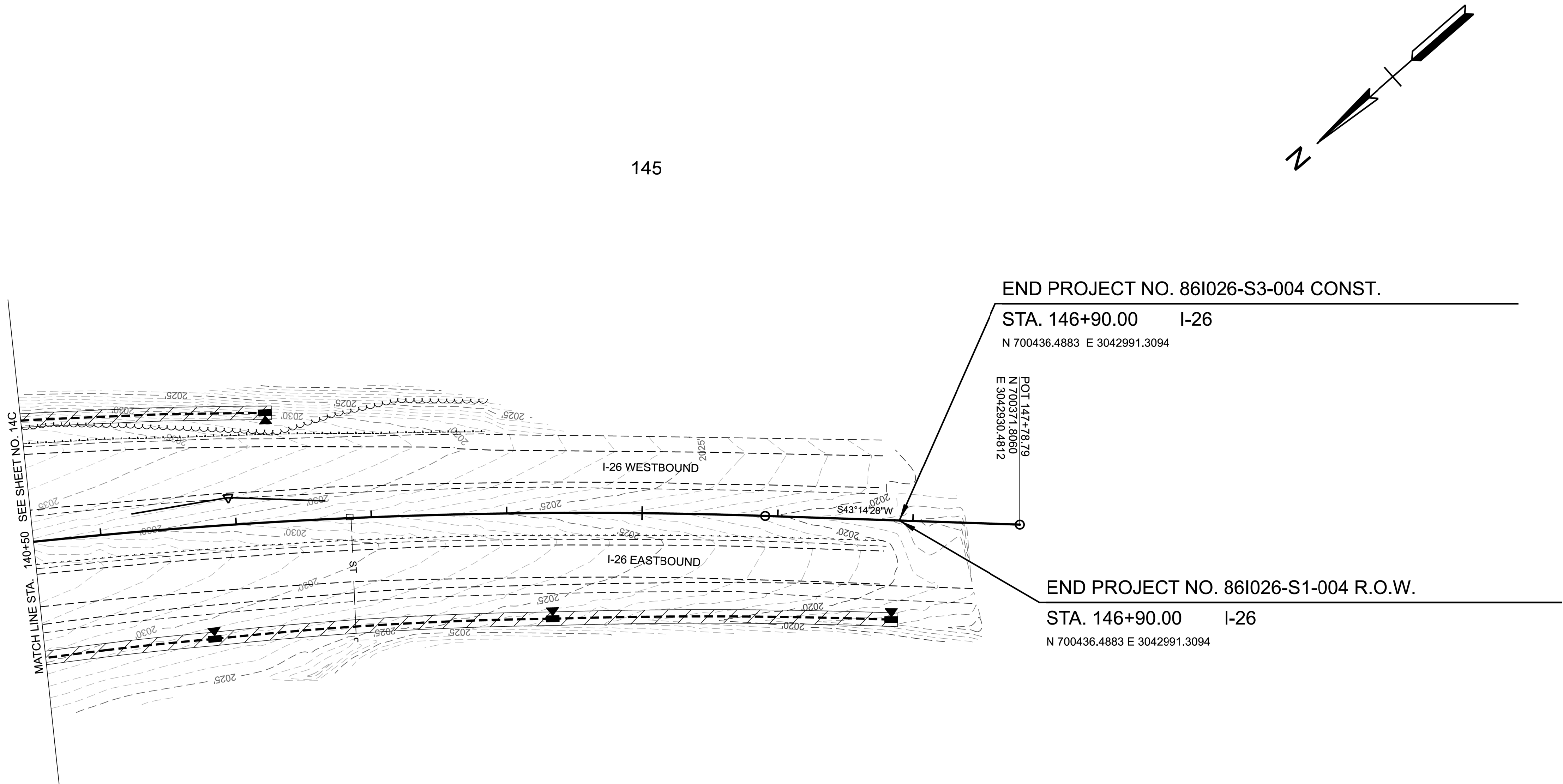
EROSION PREVENTION &
SEDIMENT CONTROL
PLANS

STA. 129+50.00 TO STA. 140+50.00
SCALE: 1" = 50'

STAGE II

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCTIONAL	2026	86I026-S1-004	12D
PIH	2026	86I026-S3-004	12D
PS&E	2026	86I026-S3-004	14D

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LEGEND	
	PROPOSED OFFSET LUMINAIRE
	PROPOSED HIGH MAST
	PROPOSED UNDERPASS LIGHTING
	PROPOSED CONTROL CENTER
	PROPOSED PULL BOX (IN GROUND)
	PROPOSED JUNCTION BOX (SURFACE MOUNTED)
	EXISTING PAD MOUNTED TRANSFORMER
	PROPOSED PAD MOUNTED TRANSFORMER
	PROPOSED CONDUIT

STAGE II

SEALED BY

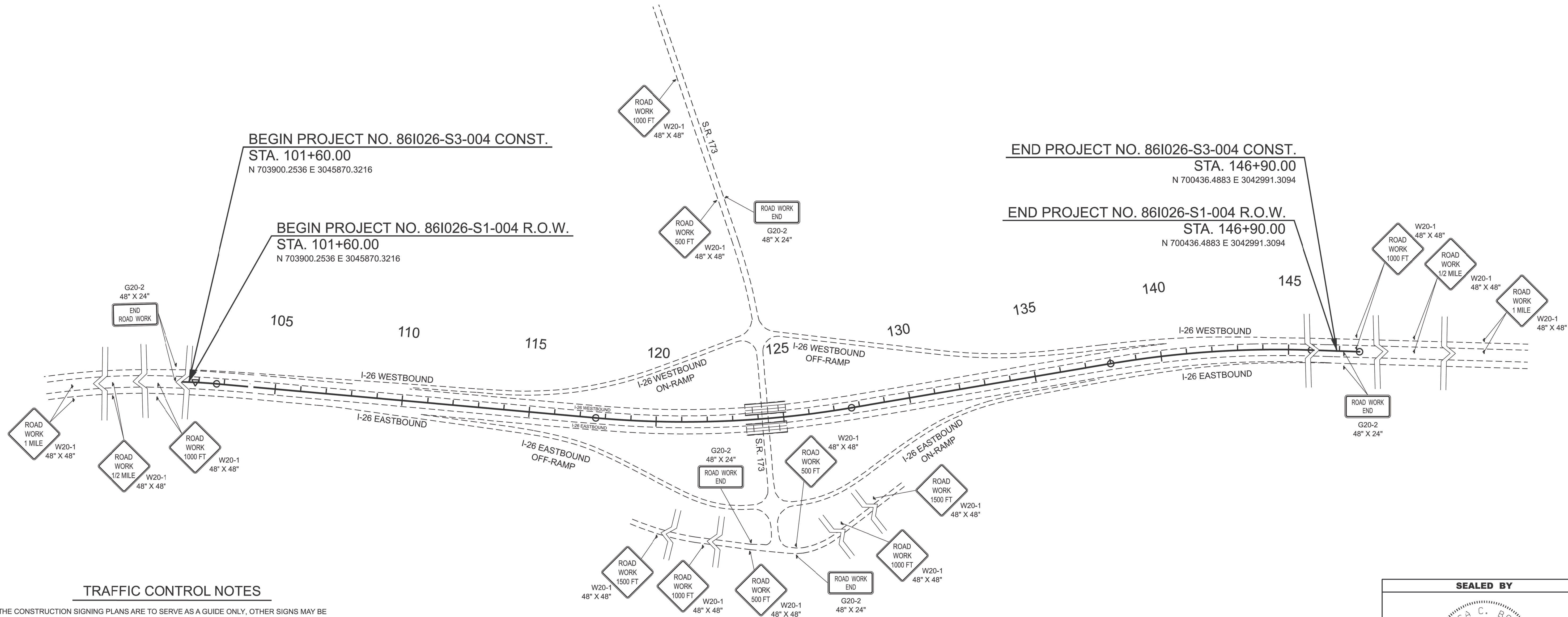
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION & SEDIMENT CONTROL PLANS

STA. 140+50.00 TO STA. 151+50.00
SCALE: 1" = 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
PIH	2026	86I026-S3-004	T1
PS&E	2026	86I026-S3-004	T1



TRAFFIC CONTROL NOTES

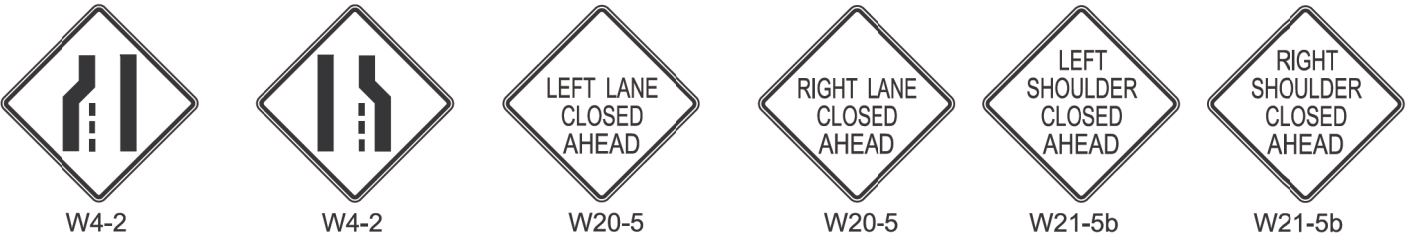
THE CONSTRUCTION SIGNING PLANS ARE TO SERVE AS A GUIDE ONLY, OTHER SIGNS MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.

THIS TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES."

THE CONTRACTOR IS TO MAINTAIN ACCESS TO ALL LOCAL PROPERTY OWNERS.

THE CONTRACTOR IS TO HAVE TWO FLAGGERS ON THE PROJECT ANY TIME TRAFFIC ON STATE ROUTES OR LOCAL COUNTY ROADS NEED TO BE RESTRICTED TO ONE LANE. COST OF THE FLAGGERS IS TO BE INCLUDED IN THE COST OF ITEM NO. 712-01, TRAFFIC CONTROL (LUMP SUM).

CONTRACTOR SHALL UTILIZE TDOT STANDARD DRAWINGS T-WZ-11 AND T-WZ-18 FOR ANY SHOULDER OR LANE CLOSURES.



LANE AND SHOULDER CLOSURE SIGNS ARE TO BE USED WHEN CONSTRUCTION OPERATIONS WARRANT, TO BE LOCATED AS DIRECTED BY PROJECT ENGINEER. SHALL BE COST IS TO BE INCLUDED IN THE COST OF ITEM 712-01.

TRAFFIC CONTROL SIGNS						
M.U.T.C.D. SIGN NO.	LEGEND	SIZE IN INCHES W x H	S.F.	TOTAL NO. REQUIRED	ITEM NO. 712-06 S.F.	REMARKS
G20-2	SIGNS (END ROAD WORK)	48" x 24"	8.0	7	56	
W4-2	SIGNS (LANE CLOSED MERGE LEFT - SYMBOL)	48" x 48"	16.0	4	64	TO BE USED AS NEEDED.
W4-2	SIGNS (LANE CLOSED MERGE RIGHT - SYMBOL)	48" x 48"	16.0	4	64	TO BE USED AS NEEDED.
W20-1	SIGNS (ROAD WORK 1 MILE)	48" x 48"	16.0	4	64	
W20-1	SIGNS (ROAD WORK 1/2 MILE)	48" x 48"	16.0	4	64	
W20-1	SIGNS (ROAD WORK 500 FEET)	48" x 48"	16.0	3	48	
W20-1	SIGNS (ROAD WORK 1000 FEET)	48" x 48"	16.0	7	112	
W20-1	SIGNS (ROAD WORK 1500 FEET)	48" x 48"	16.0	2	32	
W20-5	SIGNS (LEFT LANE CLOSED AHEAD)	48" x 48"	16.0	4	64	TO BE USED AS NEEDED.
W20-5	SIGNS (RIGHT LANE CLOSED AHEAD)	48" x 48"	16.0	4	64	TO BE USED AS NEEDED.
W20-5b	SIGNS (LEFT SHOULDER CLOSED AHEAD)	48" x 48"	16.0	4	64	TO BE USED AS NEEDED.
W20-5b	SIGNS (RIGHT SHOULDER CLOSED AHEAD)	48" x 48"	16.0	4	64	TO BE USED AS NEEDED.
TOTAL				760		

SEALED BY

REBECCA C. BOTTONE
REGISTERED ENGINEER
STATE OF TENNESSEE
NO. 182759
05/19/2026

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
I-26 AT SR-173
SCALE: 1" = 200'



THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Lori Fiorentino

Digitally signed by Lori Fiorentino
Date: 2026.06.01 09:27:34 -04'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

TENNESSEE DEPARTMENT OF TRANSPORTATION
MATERIALS & TESTS DIVISION- GEOTECHNICAL ENGINEERING SECTION
7345 REGION LN.
KNOXVILLE, TN 37914
LORI ANN FIORENTINO, P.E. NO. 113743

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH-SIGN1
GEOTECHNICAL INDEX.....	G-1
GEOTECHNICAL NOTES	G-2
GEOTECHNICAL BORING LAYOUT.....	G-3
GEOTECHNICAL BORING PROFILE	G-4
HIGH-MAST LIGHTING SOIL AND ROCK PARAMETERS	G-5

YEAR	PROJECT NO.	SHEET NO.
2026	86I026-S3-004	GEOTECH-SIGN1

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNATURE
SHEET

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S3-004	G-1
PIH	2026	86I026-S3-004	G-1
PS&E	2026	86I026-S3-004	G-1

GEOTECHNICAL INDEX

SHEET NAME	SHEET NO.
SIGNATURE SHEET	GEOTECH-SIGN1
GEOTECHNICAL INDEX.....	G-1
GEOTECHNICAL NOTES	G-2
GEOTECHNICAL BORING LAYOUT.....	G-3
GEOTECHNICAL BORING PROFILE.....	G-4
HIGH-MAST LIGHTING SOIL AND ROCK PARAMETERS.....	G-5

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Lori Ann Fiorentino

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL INDEX

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	861026-S3-004	G-2
PIH	2026	861026-S3-004	G-2
PS&E	2026	861026-S3-004	G-2

DEFINITION OF EARTHWORK TERMS

THE TERMS AND DEFINITIONS BELOW SHALL CHARACTERIZE THE MATERIAL TYPE THAT WILL BE ENCOUNTERED DURING EXCAVATION AND GRADING. SEE TYPE MATERIAL REFERENCE IN TYPICAL SECTIONS LEGEND.

A. SOIL MATERIAL

SOIL MATERIAL IS MATERIAL THAT IS PREDOMINANTLY MADE UP OF NATURALLY OCCURRING MINERAL PARTICLES WHICH ARE FAIRLY READILY SEPARATED INTO RELATIVELY SMALL PIECES, AND IN WHICH THE MASS MAY CONTAIN AIR, WATER OR ORGANIC MATERIALS. THIS MATERIAL MAY CONTAIN ROCK PIECES IN THE FORM OF DISCONNECTED SLABS, LENSES, OR BOULDERS OF LESS THAN APPROXIMATELY 0.5 CUBIC YARDS. THE MAIN SOIL GROUPS CONSIST OF CLAY, SILT, SAND, GRAVEL, COBBLES, BOULDERS (LESS THAN 0.5 CUBIC YARD VOLUME) OR A COMBINATION OF ANY OF THE CONSTITUENTS. FOR CONSTRUCTION PURPOSES, THIS MATERIAL WOULD TYPICALLY BE CONSIDERED TO BE EXCAVATABLE BY CONVENTIONAL EXCAVATION MACHINERY SUCH AS PANS, TRACK HOES, OR FRONT END EXCAVATORS/LOADERS.

B. SOLID ROCK MATERIAL

SOLID ROCK MATERIAL IS THAT NATURALLY OCCURRING MATERIAL COMPOSED OF MINERAL PARTICLES SO FIRMLY BONDED TOGETHER THAT RELATIVELY GREAT EFFORT IS REQUIRED TO SEPARATE THE PARTICLES (I.E. BLASTING OR HEAVY CRUSHING FORCES). FOR CONSTRUCTION PURPOSES, THIS MATERIAL WOULD TYPICALLY HAVE TO BE BLASTED TO SEPARATE INTO PIECES SMALL ENOUGH TO LOAD AND TRANSPORT ON EARTH MOVING TRUCKS AND WHICH WHEN SUBJECTED TO PROPER PRE-SPLIT AND PRODUCTION BLASTING WOULD RESULT IN A UNIFORM STABLE ROCK CUT FACE. NOTE THAT THIS MATERIAL WOULD NOT BY DEFINITION NECESSARILY BE A PROVEN SOURCE OF ANY ROCK TYPE AGGREGATE SUCH AS SOLID ROCK, GRADED SOLID ROCK, RIP RAP, OR OTHER ROCK AGGREGATE CONSTRUCTION PRODUCTS.

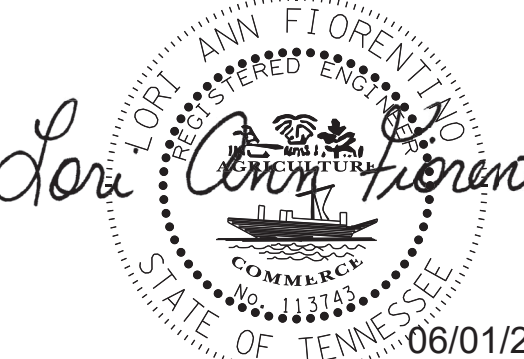
C. SOFT ROCK OR DEGRADABLE ROCK

THIS MATERIAL IS THAT NATURALLY OCCURRING MATERIAL COMPOSED OF MINERAL PARTICLES THAT ARE SO FIRMLY BONDED SUCH THAT THEY ARE NOT FAIRLY READILY SEPARATED INTO SMALL PIECES YET HAS SUCH RELATIVELY LOW BONDING STRENGTH THAT WOULD ALLOW FOR SEPARATING INTO SMALL PIECES THROUGH MODERATE TO HEAVY CRUSHING FORCES. FOR CONSTRUCTION PURPOSES THIS MATERIAL WOULD HAVE TO BE SUBJECTED TO RIPPING TYPE EQUIPMENT, HOE RAMS, OR RUGGED USE OF A LARGE BULLDOZER IN ORDER TO SEPARATE THE MATERIAL SUCH THAT IT CAN BE READILY LOADED INTO EARTH MOVING TRUCKS. THESE MATERIALS WOULD TYPICALLY BE SHALES, CLAYSTONES, SILTSTONES, WEATHERED SANDSTONES, WEATHERED SCHIST AND WEATHERED GNEISS.

D. TRANSITIONAL MATERIALS

THIS MATERIAL IS THAT MATERIAL COMPRISED OF A COMBINATION OF SOIL AND ROCK (MATERIALS A, B, AND C) OCCURRING IN EITHER NON-UNIFORM INTERBEDDED LAYERS OF THE ABOVE MATERIALS (I.E. SHALE MATERIAL WITH RELATIVELY THIN LAYERS OF SOLID ROCK SUCH AS HARD LIMESTONE) OR ERRATIC LOCALIZED CHANGES OF MATERIAL TYPES BOTH Laterally AND WITH DEPTH (SUCH AS A GEOLOGIC FORMATION RESULTING IN PINNACLED ROCK COLUMNS, FLOATING BOULDERS OR LENSES INTERCALATED WITH CLAY SOIL, A COMMON OCCURRENCE IN CERTAIN REGIONS OF TENNESSEE). FOR CONSTRUCTION PURPOSES, THIS MATERIAL MAY HAVE TO BE EXCAVATED USING A COMBINATION OF EXCAVATION METHODS SUCH AS BLASTING OF ROCK PINNACLES, LAYERS OR BOULDERS ALONG WITH A RIPPING OF WEATHERED ROCK AND EXCAVATING OF SOIL WITH TRACK HOES OR LOADERS ALL WITHIN A LOCALIZED AREA. THIS MATERIAL WOULD NOT BE SUITABLE FOR THE USE OF EXCAVATING PAN TYPE EQUIPMENT.

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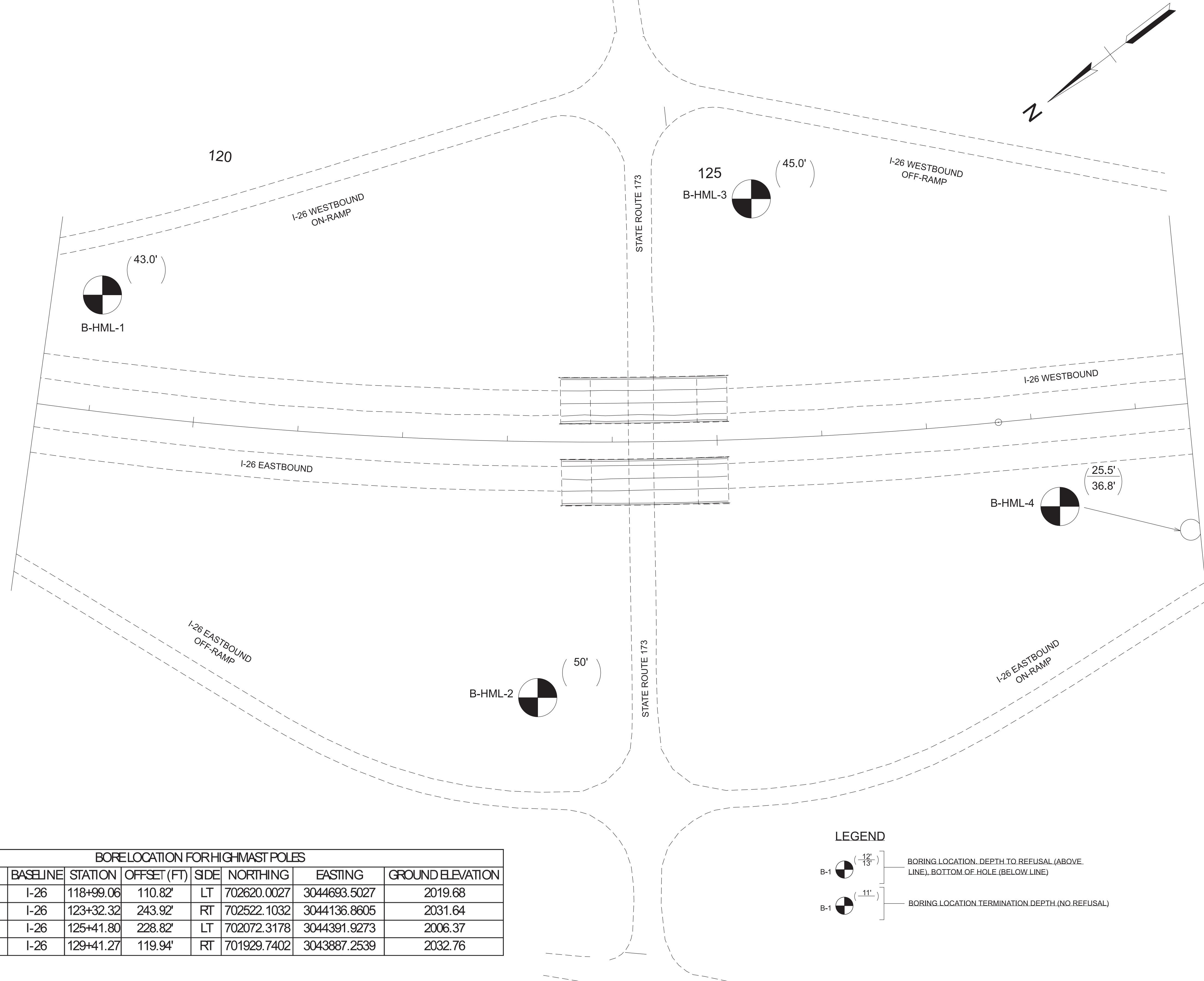
Lori Ann Fiorentino

06/01/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

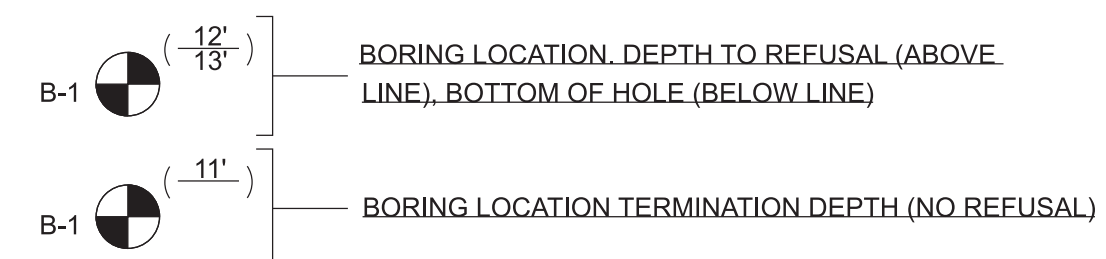
GEOTECHNICAL
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	86I026-S3-004	G-3
PIH	2026	86I026-S3-004	G-3
PS&E	2026	86I026-S3-004	G-3

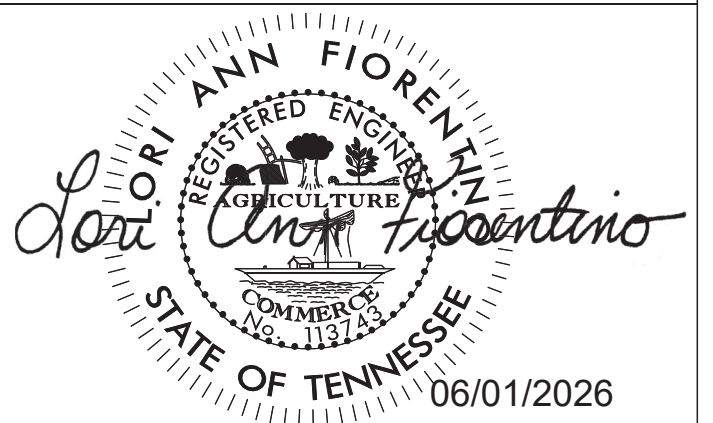


BORE LOCATION FOR HIGH-MAST POLES								
BORING	HML #	BASELINE	STATION	OFFSET (FT)	SIDE	NORTHING	EASTING	GROUND ELEVATION
B-1	HML-1	I-26	118+99.06	110.82'	LT	702620.0027	3044693.5027	2019.68
B-2	HML-2	I-26	123+32.32	243.92'	RT	702522.1032	3044136.8605	2031.64
B-3	HML-3	I-26	125+41.80	228.82'	LT	702072.3178	3044391.9273	2006.37
B-4	HML-4	I-26	129+41.27	119.94'	RT	701929.7402	3043887.2539	2032.76

LEGEND



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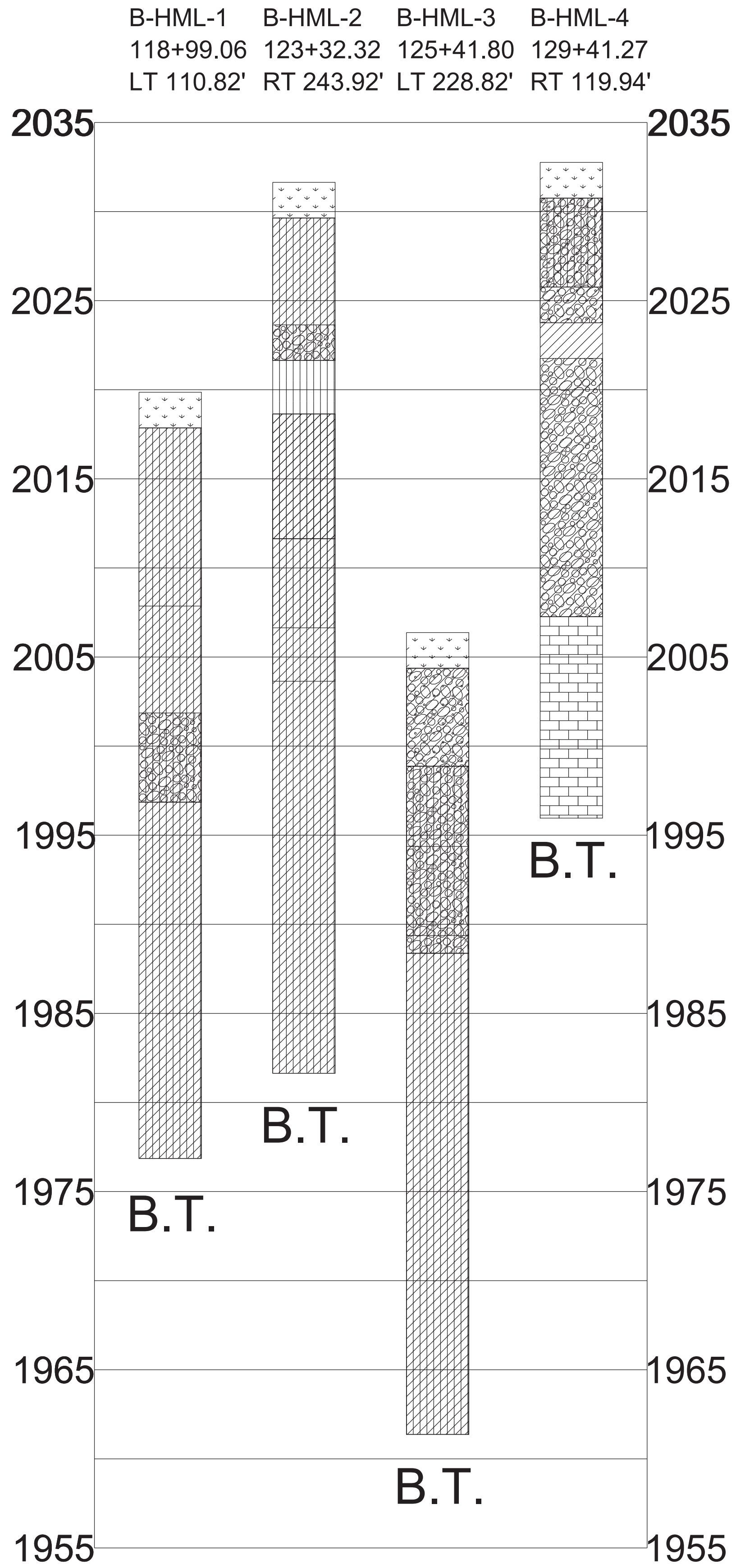


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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOTECHNICAL BORING LAYOUT

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TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2025	861026-S3-004	G-5
PIH	2026	861026-S3-004	G-5
PS&E	2026	861026-S3-004	G-5

HIGH-MAST LIGHTING TOWER 1																	
ZONE	SOIL / ROCK TYPES	DEPTH (FT)				TOTAL UNIT WEIGHT (pcf)	SHEAR STRENGTH PARAMETERS				LATERAL LOAD PARAMETERS				ROCK RESISTANCE PARAMETERS		
		SURFACE		ELEVATION			UNDRAINED (SHORT-TERM)		DRAINED (LONG-TERM)		STRAIN, E ₅₀	SOIL MODULUS, K _s (PCI)*	ROCK ELASTIC MODULUS, E _M (KSI)	ROCK POISSON'S RATIO	ROCK MATERIAL INDEX, M _i	NOMINAL BEARING (KSF)	NOMINAL SIDE (KSF)**
		FROM	TO	FROM	TO		COHESION (PSF)	φ (DEGREE)	COHESION (PSF)	φ (DEGREE)							
1	FAT CLAY	0	43	2019.68	1976.68	67	2811	N/A	50	20	0.01	100	N/A	N/A	N/A	N/A	

*POUNDS PER CUBIC INCH

HIGH-MAST LIGHTING TOWER 2																	
ZONE	SOIL / ROCK TYPES	DEPTH (FT)				TOTAL UNIT WEIGHT (pcf)	SHEAR STRENGTH PARAMETERS				LATERAL LOAD PARAMETERS					ROCK RESISTANCE PARAMETERS	
		SURFACE		ELEVATION			UNDRAINED (SHORT-TERM)		DRAINED (LONG-TERM)		STRAIN, E ₅₀	SOIL MODULUS, K _s (PCI)*	ROCK ELASTIC MODULUS, E _m (KSI)	ROCK POISSON'S RATIO	ROCK MATERIAL INDEX, M _i	NOMINAL BEARING (KSF)	NOMINAL SIDE (KSF)
		FROM	TO	FROM	TO		COHESION (PSF)	φ (DEGREE)	COHESION (PSF)	φ (DEGREE)							
1	FAT CLAY	0	13	2031.6	2018.6	100	2000	N/A	150	24	0.005	1000	N/A	N/A	N/A	N/A	N/A
2	LEAN CLAY	13	18	2018.6	2013.6	100	1000	N/A	100	22	0.007	500	N/A	N/A	N/A	N/A	N/A
3	FAT CLAY	18	50	2013.6	1981.6	100	2755	N/A	100	22	0.007	500	N/A	N/A	N/A	N/A	N/A

*POUNDS PER CUBIC INCH

HIGH-MAST LIGHTING TOWER 3																	
ZONE	SOIL / ROCK TYPES	DEPTH (FT)				TOTAL UNIT WEIGHT (pcf)	SHEAR STRENGTH PARAMETERS				LATERAL LOAD PARAMETERS					ROCK RESISTANCE PARAMETERS	
		SURFACE		ELEVATION			UNDRAINED (SHORT-TERM)		DRAINED (LONG-TERM)		STRAIN, E ₅₀	SOIL MODULUS, K _s (PCI)*	ROCK ELASTIC MODULUS, E _m (KSI)	ROCK POISSON'S RATIO	ROCK MATERIAL INDEX, M _i	NOMINAL BEARING (KSF)	NOMINAL SIDE (KSF)**
		FROM	TO	FROM	TO		COHESION (PSF)	φ (DEGREE)	COHESION (PSF)	φ (DEGREE)							
1	CLAYEY SAND	0	7.5	2006.3	1998.8	92	1000	N/A	100	22	0.007	500	N/A	N/A	N/A	N/A	N/A
2	LEAN CLAY	7.5	12	1998.8	1994.3	98	1000	N/A	100	22	0.007	500	N/A	N/A	N/A	N/A	N/A
3	FAT CLAY	12	45	1994.3	1961.3	93	478	N/A	100	22	0.007	500	N/A	N/A	N/A	N/A	N/A

*POUNDS PER CUBIC INCH

HIGH-MAST LIGHTING TOWER 4																	
ZONE	SOIL / ROCK TYPES	DEPTH (FT)				TOTAL UNIT WEIGHT (pcf)	SHEAR STRENGTH PARAMETERS				LATERAL LOAD PARAMETERS					ROCK RESISTANCE PARAMETERS	
		SURFACE		ELEVATION			UNDRAINED (SHORT-TERM)		DRAINED (LONG-TERM)		STRAIN, E ₅₀	SOIL MODULUS, K _s (PCI)*	ROCK ELASTIC MODULUS, E _m (KSI)	ROCK POISSON'S RATIO	ROCK MATERIAL INDEX, M _i	NOMINAL BEARING (KSF)	NOMINAL SIDE (KSF)
		FROM	TO	FROM	TO		COHESION (PSF)	φ (DEGREE)	COHESION (PSF)	φ (DEGREE)							
1	CLAYEY SAND	0	9	2032.7	2023.7	90	1000	N/A	100	22	0.007	500	N/A	N/A	N/A	N/A	N/A
2	FAT CLAY	9	15	2023.7	2017.7	79	500	N/A	50	20	0.01	100	N/A	N/A	N/A	N/A	N/A
3	FAT CLAY	15	25.5	2017.7	2007.2	90	1000	N/A	100	22	0.007	500	N/A	N/A	N/A	N/A	N/A
4	LIMESTONE**	25.5	36.8	2007.2	1995.9	160	N/A	N/A	N/A	N/A	0.001	N/A	5519	0.23	8	2086.7	60.1

*POUNDS PER CUBIC INCH

** LABORATORY TESTS WERE NOT CONDUCTED

SEALED BY



Lori Ann Fiorentino
06/01/2026

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

HIGH-MAST
LIGHTING
SOIL AND ROCK
PARAMETERS

UTILITIES INDEX	
SHEET NAME	SHEET NUMBER
UTILITIES INDEX, UTILITY OWNERS	U1 SERIES

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

BUREAU OF ENGINEERING

UNICOI COUNTY

I-26: Interchange at SR-173 (SM)

PS&E

UTILITIES

STATE HIGHWAY NO. NA F.A.H.S. NO. NA

NO CONFLICT	
WATER/: SEWER	ERWIN UTILITIES P.O. BOX 817 244 LOVE STREET ERWIN, TN 37650 (NO CONFLICT)
FIBER:	ERWIN FIBER P.O. BOX 817 244 LOVE STREET ERWIN, TN 37650 (NO CONFLICT)
GAS:	UNICOI GAS UTILITY DISTRICT P.O. BOX 599 1414 N MAIN AVENUE ERWIN, TN 37650-0599 (NO CONFLICT)
	ELECTRIC: ERWIN UTILITIES P.O. BOX 817 244 LOVE STREET ERWIN, TN 37650 (NO CONFLICT)
	WATER: UNICOI WATER UTILITY DISTRICT P.O. BOX 8 304 TENNESSEE ST ERWIN, TN 37692 (NO CONFLICT)

TENN.	YEAR	SHEET NO.
	2026	U1-1
FED. AID PROJ. NO.	NA	
STATE PROJ. NO.	86I026-S3-004	