

—DocuSigned by:

Robert Gordon Ray IV, P.E.

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AECOM TECHNICAL SERVICES, INC  
1000 CORPORATE CENTRE DRIVE  
SUITE 250  
FRANKLIN, TN 37067  
ROBERT G. RAY IV, PE NO. 120484

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 .....	ROADWAY-SIGN2
TITLE SHEET .....	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS .....	1A
ESTIMATED ROADWAY QUANTITIES .....	2

REV. 06/03/25: ADDED SHEET.

**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

# SIGNATURE SHEET



HIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Digitally signed by Goette, Matt

Date: 2025.04.01 14:29:58-05'00'

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AECOM TECHNICAL SERVICES, INC  
1000 CORPORATE CENTRE DRIVE  
SUITE 250  
FRANKLIN, TN 37067  
MATTHEW GOETTE, PE NO. 110925

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 .....	ROADWAY-SIGN1
TITLE SHEET .....	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS .....	1A
STANDARD TRAFFIC DESIGN DRAWINGS .....	1A1
ESTIMATED ROADWAY QUANTITIES .....	2
GENERAL NOTES AND SPECIAL NOTES .....	2A
ENVIRONMENTAL NOTES.....	2E
RIGHT-OF-WAY NOTES, UTILITY NOTES AND UTILITY OWNERS .....	3
PROPERTY MAP AND RIGHT-OF-WAY ACQUISITION TABLE .....	3A
PRESENT LAYOUT.....	4
PROPOSED LAYOUT .....	4A
SIGNAL DETAILS .....	4B
SIGNAL PHASING AND TIMING .....	4C

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SIGNATURE  
SHEET

YEAR	PROJECT NO.	SHEET NO.
2025	77S008-S3-002	ROADWAY-SIGN1



PS&E INDEX OF SHEETS

STANDARD ROADWAY DRAWINGS

SHEET NAME	SHEET NO.
SIGNATURE SHEET(S) .....	ROADWAY-SIGN1—2
TITLE SHEET .....	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS .....	1A
STANDARD TRAFFIC DESIGN DRAWINGS .....	1A1
ESTIMATED ROADWAY QUANTITIES .....	2
GENERAL NOTES.....	2A
ENVIRONMENTAL NOTES.....	2E
RIGHT-OF-WAY NOTES, UTILITY NOTES, AND UTILITY OWNERS .....	3
PROPERTY MAP AND RIGHT-OF-WAY ACQUISITION TABLE .....	3A
PRESENT LAYOUT .....	4
PROPOSED LAYOUT .....	4A
SIGNAL DETAILS .....	4B
SIGNAL PHASING AND TIMING .....	4C

NOTE: THE ALPHABETICAL LETTERS “I”, “O” & “Q” ARE NOT USED IN THE NUMBERING OF SHEETS.

NOTE: SHEETS 2B-2E ARE OMITTED.

Footnotes:

**❶ NO PROJECT COMMITMENTS SHEET INCLUDED IN THIS PLAN SET**

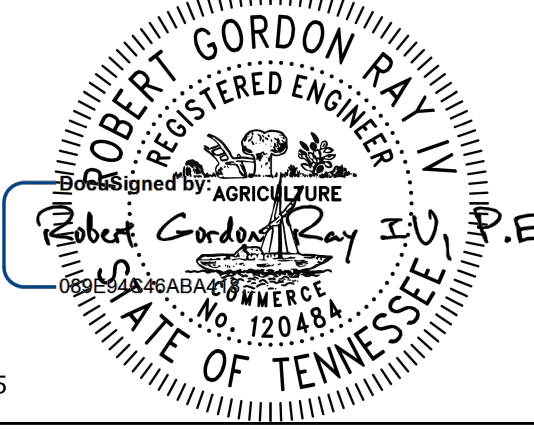
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DWG.	REV.	DESCRIPTION
STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS		
RD-TP-1	10-01-24	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD 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
DESIGN - TRAFFIC CONTROL		
T-WZ-40	03-05-17	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	03-05-17	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-42	03-05-17	CENTER LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-50	04-02-12	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 2 OR 3 LANE MAJOR ROUTES
T-WZ-PBR2	02-28-20	DETAILS FOR WORKZONE CHANNELIZATION DEVICES
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	77S008-S3-002	1A
PS&E	2025	77S008-S3-002	1A

REV. 06/03/25: ADDED SIGNATURE SHEET(S) TO PS&E INDEX OF SHEETS.

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6/3/2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX  
AND  
STANDARD  
ROADWAY  
DRAWINGS

# STANDARD TRAFFIC DESIGN DRAWINGS

## 10-204.00 DESIGN - TRAFFIC CONTROL

T-WZ-40	03-05-17	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	03-05-17	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-42	03-05-17	CENTER LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-50	04-02-12	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 2 OR 3 LANE MAJOR ROUTES
T-WZ-PBR2	02-28-20	DETAILS FOR WORKZONE CHANNELIZATION DEVICES
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD

## 10-201.00 SIGNALS

T-SG-3A	06-27-16	ALTERNATE DETECTION DETAILS
T-SG-4	06-27-16	SPAN WIRE AND MESSENGER CABLE DETAILS
T-SG-6	10-21-19	PEDESTRIAN SIGNAL DETAILS
T-SG-7	10-21-19	SIGNAL HEAD ASSEMBLIES
T-SG-7C		TYPICAL SIGNAL HEAD PLACEMENT ONE-LAND AND TWO-LANE APPROACHES
T-SG-7D	09-12-23	TYPICAL SIGNAL HEAD PLACEMENT TWO-LANE APPROACHES
T-SG-7F	07-13-17	TYPICAL SIGNAL HEAD PLACEMENT THREE-LANE APPROACHES
T-SG-7H	10-21-19	TYPICAL SIGNAL HEAD PLACEMENT THREE-LANE AND FOUR-LANE APPROACHES
T-SG-8	06-27-16	STRAIN POLE DETAILS FOR SPAN MOUNTED WIRES
T-SG-9A	07-12-17	MISCELLANEOUS SIGNAL DETAILS
T-SG-11	07-12-17	MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTION
T-SG-12	12-20-19	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
T-SG-13	06-27-16	FLASHING BEACON DETAIL

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	77S008-S3-002	1A1
PS&E	2025	77S008-S3-002	1A1

PS&E

SEALED BY



03-27-2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

STANDARD  
TRAFFIC DESIGN  
DRAWINGS

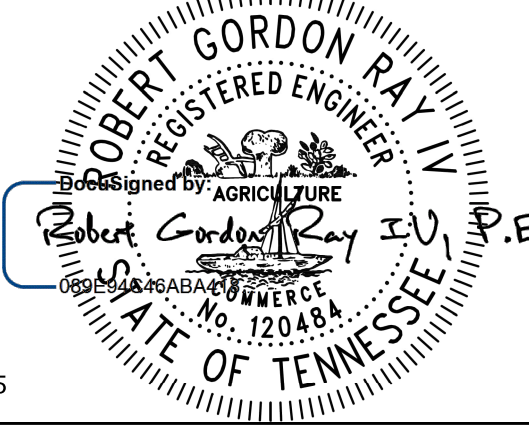
	ESTIMATED ROADWAY QUANTITIES			
	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 77S008-S3-002
(1)	712-01	TRAFFIC CONTROL	LS	0.25
(3)	713-16.20	SIGNS (R10-12)	EACH	2
	717-01	MOBILIZATION	LS	0.25
(2)	730-01.03	MODIFICATION OF EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2
(3)	730-08.03	SIGNAL CABLE - 7 CONDUCTOR	L.F.	318
(3)	730-08.04	SIGNAL CABLE - 9 CONDUCTOR	L.F.	318
(4)	730-13.12	VEHICLE DETECTOR (RADAR - STOP LINE)	EACH	4
(3)(5)	730-16.04	CONTROLLER (ATC)	EACH	1
(3)	730-26.11	COUNTDOWN PED SGNL HEAD W/ AUDIBLE PUSHBUTTON & 15 IN SIGN	EACH	8

FOOTNOTES	
(1)	TRAFFIC CONTROL MEASURES BASED ON STD DWG T-WZ-50. LANE CLOSURE OR SHOULDER CLOSURE SHALL BE DETERMINED BY TDOT PROJECT SUPERVISOR AND REGIONAL TRAFFIC ENGINEER. INCLUDES ANY SIGNS, ARROW BOARDS, AND/OR BARRELS AS NEEDED. SIGNS TO BE USED PER MUTCD STANDARDS WITH DIRECTION FROM THE TDOT PROJECT SUPERVISOR AND REGIONAL TRAFFIC ENGINEER.
(2)	INCLUDES REPLACEMENT OF EXISTING AND INSTALLATION OF NEW BACKPLATES AT THE CHERRY ST INTERSECTION.
(3)	INCLUDES COST OF REMOVAL OF EXISTING EQUIPMENT IN BID PRICE
(4)	INCLUDES ALL RADAR SENSING UNITS, PROCESSING UNITS, SOFTWARE, SIGNAL CABLING, HARNESSSES, MOUNTING ASSEMBLIES, RADAR CABLE (288 L.F), AND RELATED EQUIPMENT TO PROVIDE ALL DETECTION ZONES AS SHOWN IN PLANS.
(5)	CONTROLLER TO HAVE FUTURE CAPABILITIES FOR INTERCONNECTION.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	77S008-S3-002	2
PS&E	2025	77S008-S3-002	2

REV. 06/03/25: UPDATED QUANTITIES FOR LUMP SUM PAY ITEMS 712-01 AND 717-01.

SEALED BY



ROBERT GORDON RAY IV  
REGISTERED ENGINEER  
AGRICULTURE  
STATE OF TENNESSEE  
No. 120484

6/3/2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ESTIMATED  
ROADWAY  
QUANTITIES

# GENERAL NOTES

## 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.

## SIGNALIZATION

- (1)EQUIPMENT AND INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH TDOT STANDARD SPECIFICATIONS, SECTION 730.
- (6)SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY OF THE CITY OF DUNLAP AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY THE CITY OF DUNLAP.
- (8)ANY SIGNAL HEADS, WHEN VISIBLE TO DRIVERS BUT NOT OPERATIONAL, SHALL BE COMPLETELY COVERED.

## 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.
- (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.

# SPECIAL NOTES

- (1)ALL CIRCULAR AND ARROW INDICATIONS WITHIN ALL VEHICULAR SIGNAL HEADS PROPOSED FOR THIS PROJECT SHALL CONSIST OF AN LED (LIGHT EMITTING DIODE) SIGNAL MODULE UNLESS OTHERWISE NOTED IN THE PLANS.
- (2)ALL PEDESTRIAN TRAFFIC CONTROL INDICATIONS, WHERE CALLED FOR, SHALL CONSIST OF LED MODULES DISPLAYING “WALKING PERSON” AND “HAND” SYMBOLS. ALONG WITH PEDESTRIAN INTERVAL COUNTDOWN DISPLAY, WITHIN THE SAME FACE UNLESS OTHERWISE NOTED IN THE PLANS.
- (3)CIRCULAR INDICATIONS SHALL MEET “ITE VTCSH-LED ARROW SPECIFICATION” FOR EXPANDED/EXTENDED VIEW.
- (4)INCANDESCENT OR SCREW-IN MODULES ARE NOT ACCEPTABLE.
- (5)COMPATABILITY WITH CONFLICT MONITORS AND LOAD SWITCHES SHALL BE TESTED AND CONFIRMED.
- (6)MANUFACTURER SHALL PROVIDE A MINIMUM FIVE-YEAR WARRANTY FOR OPERATION OF THE UNIT.
- (7)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. 712-01, TRAFFIC CONTROL PER LUMP SUM.
- (8)THE CONTRACTOR SHALL BE RESPONSIBLE FOR STAKING CONSTRUCTION SIGNS. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 712-01, TRAFFIC CONTROL PER LUMP SUM.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	77S008-S3-002	2A
PS&E	2025	77S008-S3-002	2A

PS&E

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

GENERAL  
NOTES  
AND 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

- (19) 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

#### ECOLOGY

- (1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION 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.

- (2) 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.
- (3) 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.

### PROJECT COMMITMENTS

- (1) THERE ARE NO SPECIAL COMMITMENTS REQUIRED BY THIS PROJECT.

### SCOPE OF WORK

- (2) THIS PROJECT IS LOCATED ALONG SR-8 (US-127) AT CHERRY STREET IN DUNLAP. THE SCOPE OF WORK PERFORMED WILL INCLUDE THE FOLLOWING:

- REPLACEMENT OF 8 EXISTING PED PUSHBUTTONS AND DISPLAYS WITH APS PUSHBUTTONS AND COUNTDOWN DISPLAYS

- INSTALLATION OF 4 RADAR DETECTION UNITS

- REPLACEMENT OF 1 EXISTING CONTROLLER WITH 1 NEW CONTROLLER

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2024	77S008-S2-005	2E
P.I.H.	2025	77S008-S3-002	2E
PS&E	2025	77S008-S3-002	2E

REV. 2/14/25: UPDATED SCOPE OF WORK

PS&E

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03-27-2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

RIGHT-OF-WAY

- (1) IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT BE REMOVED THERE FROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, THE CIVIL ENGINEERING MANAGER 2, ROADWAY DESIGN DIVISION IS TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

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:**  
**SEQUACHEE VALLEY ELECTRIC COOP**  
512 S. CEDAR AVE  
SOUTH PITTSBURG, TN 37380  
CONTACT: LUCAS MARSH  
FAX: 423 837 9836  
OFFICE PHONE: 423 837 8605  
CELL PHONE: 423 837 5026  
EMAIL: LMARSH@SVALLEYEC.COM

**WATER:**  
**DUNLAP, CITY OF**  
PRIMARY ADDRESS  
PO BOX 546  
DUNLAP, TN 37327  
SECONDARY ADDRESS  
15595 RANKIN AVENUE  
DUNLAP, TN 37327  
CONTACT: MAYOR CLINTON HUTH  
FAX: 423 949 3359  
OFFICE PHONE: 423 949 2115  
CELL PHONE: N/A  
EMAIL: MAYORHUTH@CITYOFDUNLAP.COM

**GAS:**  
**DUNLAP, CITY OF**  
PRIMARY ADDRESS  
PO BOX 546  
DUNLAP, TN 37327  
SECONDARY ADDRESS  
15595 RANKIN AVE  
DUNLAP, TN 37327  
CONTACT: MAYOR CLINTON HUTH  
FAX: 423 949 3359  
OFFICE PHONE: 423 949 2115  
CELL PHONE: N/A  
EMAIL: MAYORHUTH@CITYOFDUNLAP.COM

**FIBER:**  
**BLED SOE TELEPHONE CO-OP/CATV**  
PRIMARY ADDRESS  
PO BOX 609  
PIKEVILLE, TN 37367  
SECONDARY ADDRESS  
338 CUMBERLAND AVE  
PIKEVILLE, TN 37367  
CONTACT: MATT BOYNTON  
FAX: 423 447 2498  
OFFICE PHONE: 423 447 2121  
CELL PHONE: 423 902 8877  
EMAIL: MBOYNTON@BLED SOE.NET

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2024	77S008-S2-005	3
P.L.H.	2025	77S008-S3-002	3
PS&E	2025	77S008-S3-002	3

PS&E

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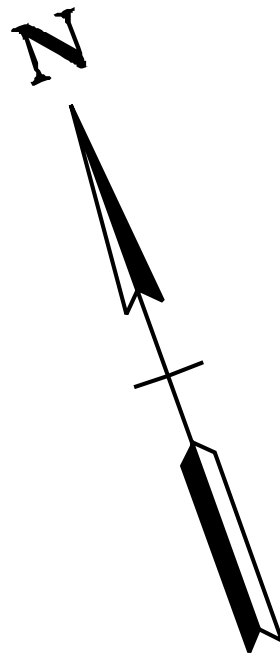
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

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

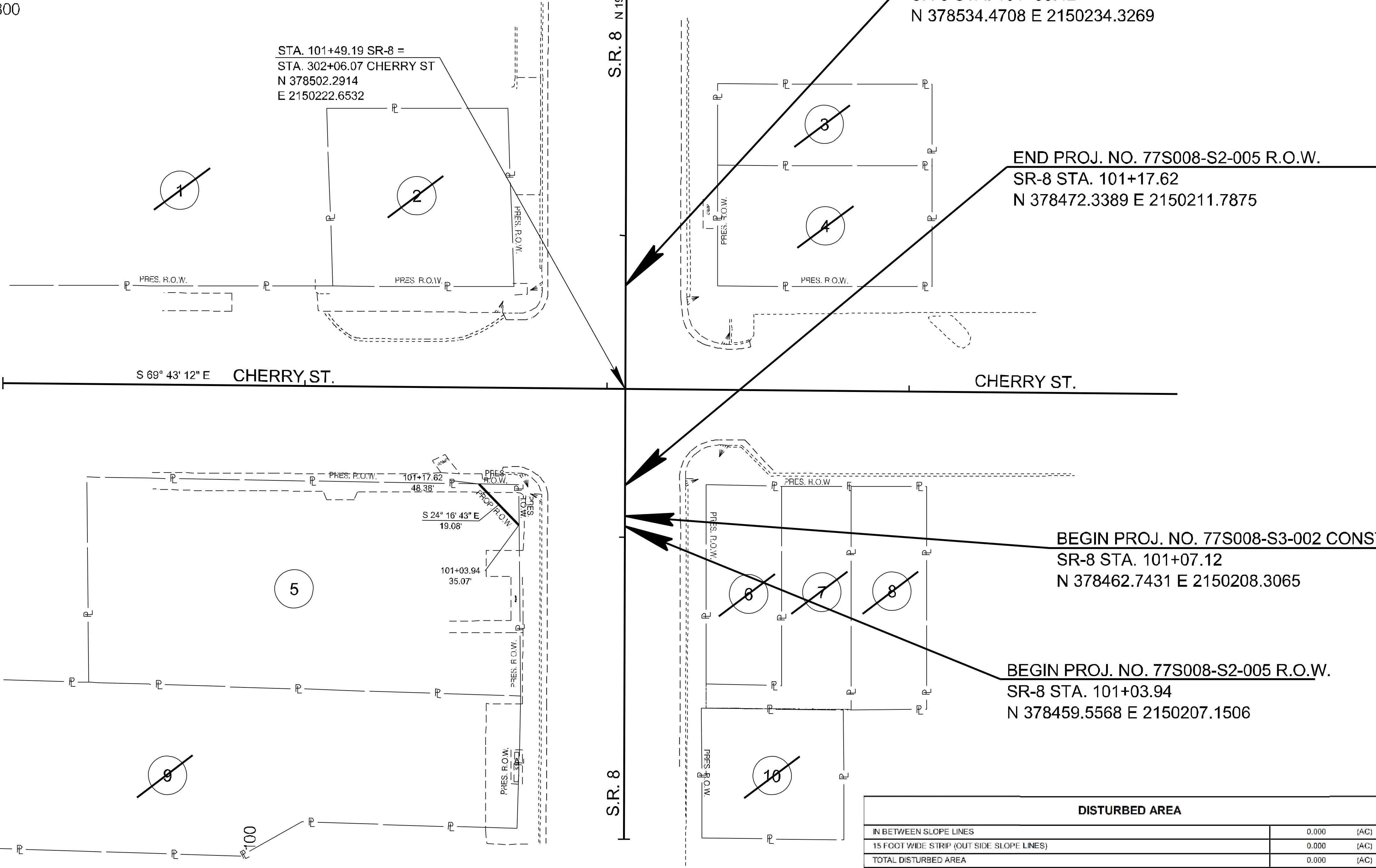
R.O.W. ACQUISITION TABLE																	
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA (ACRES)			AREA TO BE ACQUIRED (ACRES)			AREA REMAINING (ACRES)		EASEMENT (ACRES)			
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERMANENT	SLOPE	CONSTRUCTION	AIR RIGHTS
				BOOK	PAGE												
1	GREENS TR COUNTY BANK	049-E	14-00	M062	366	0.1422		0.1422			0						
2	GREENS TR COUNTY BANK	049-E	14-00	116	786	0.0642		0.0642			0						
3	LAFEVER JENNA	049-E	14-00	356	646		0.044	0.044			0						
4	ADAMS ELIZABETH GREER	049-E	13-00	450	664		0.0662	0.0662			0						
5	SEQUATCHIE COUNTY	048-E	15-00	185	159	0.2285		0.2285	0.002		0.002						
6	ROLLINS BLYTHE	049-E	22-00	407	206		0.0379	0.0379			0						
7	BLACK RANDAL & WIFE SARA	049-E	23-00	350	180		0.0405	0.0405			0						
8	DHSSL LLC	049-E	24-00	423	172		0.0425	0.0425			0						
9	CITY OF DUNLAP	049-E	16-00	180	150	0.2572		0.2572			0						
10	CHOCKLEY LAUREN HUSTLE	048-E	27-00	452	234		0.0464	0.0464			0						
ACQUISITION TOTALS (ACRES)																	

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2024	77S008-S2-005	3A
P.I.H.	2025	77S008-S3-002	3A
PS&E	2025	77S008-S3-002	3A

REV. 2/14/25: UPDATED R.O.W. LIMITS



300



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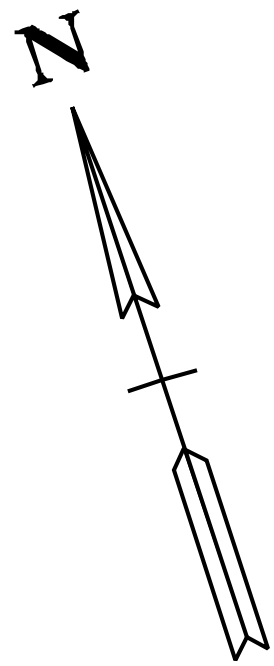
03-27-2025

COORDINATE VALUES ARE NAD 83 (2011),ARE DATUM  
ADJUSTED BY THE FACTOR OF 1.00006, AND TIED TO TGRN.  
ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988  
USING THE GEOID 12b MODEL, OBTAINED ON 02-17-2023.

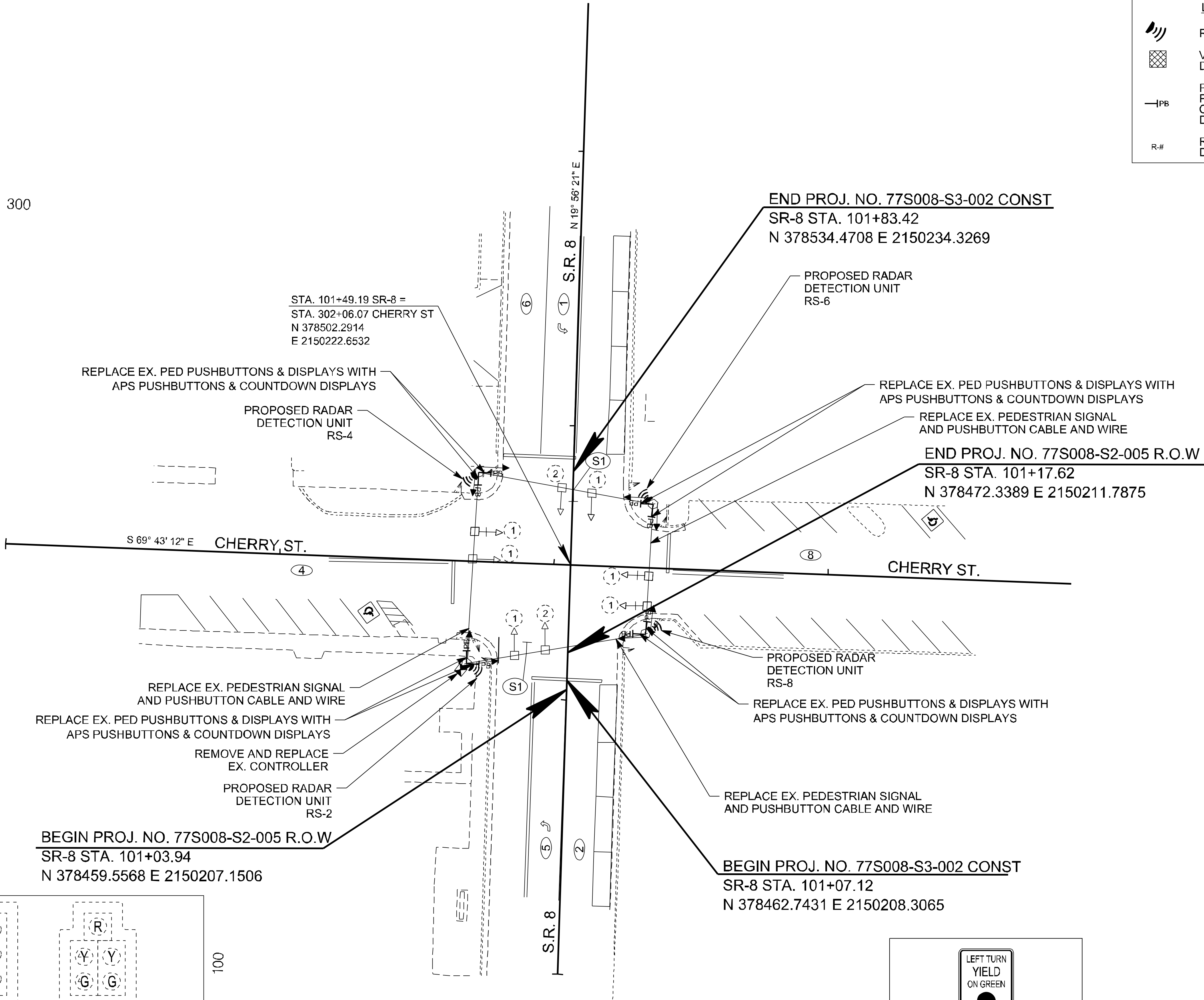
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP  
AND  
RIGHT-OF-WAY  
ACQUISITION TABLE  
SCALE: 1"= 20'





300



LEGEND			
	RADAR DETECTOR		
	VEHICLE DETECTION ZONE		
	PEDESTRIAN PUSHBUTTONS & COUNTDOWN DISPLAYS		
	RADAR DETECTION DEVICE CALLOUT		

TYPE	YEAR	PROJECT NO.	SHEET NO.
FUNCT.	2024	77S008-S2-005	4A
P.I.H.	2025	77S008-S3-002	4A
PS&E	2025	77S008-S3-002	4A

REV. 2/14/25: UPDATED R.O.W. LIMITS

PS&E

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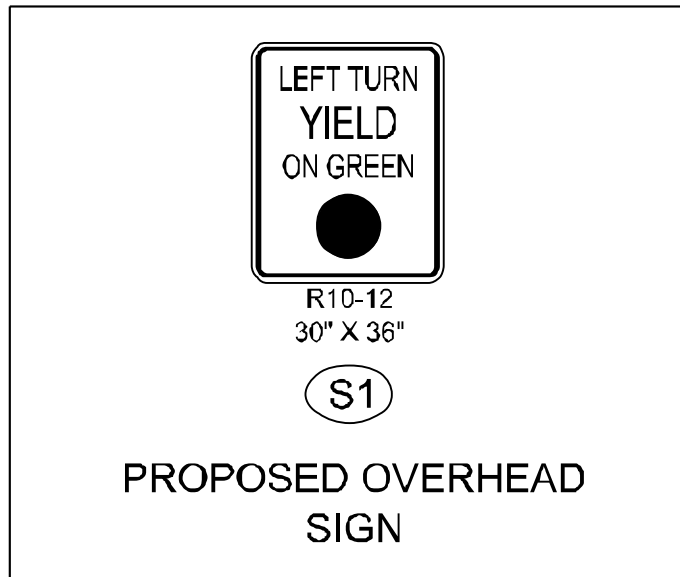
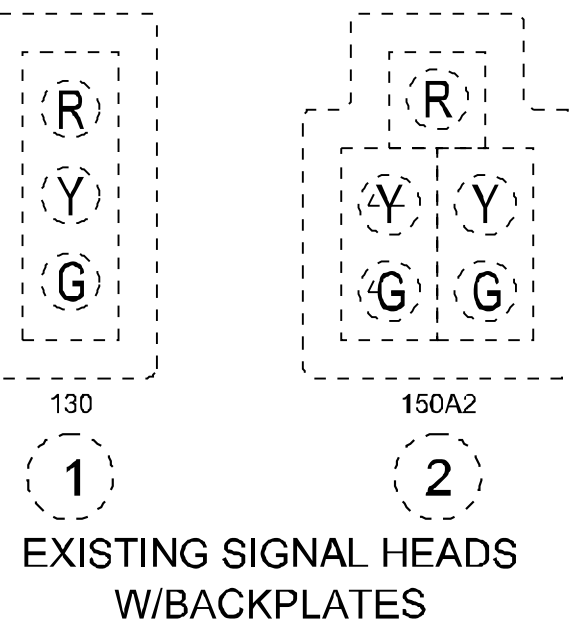


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ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988  
USING THE GEOID 12b MODEL, OBTAINED ON 02-17-2023.

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DEPARTMENT OF TRANSPORTATION

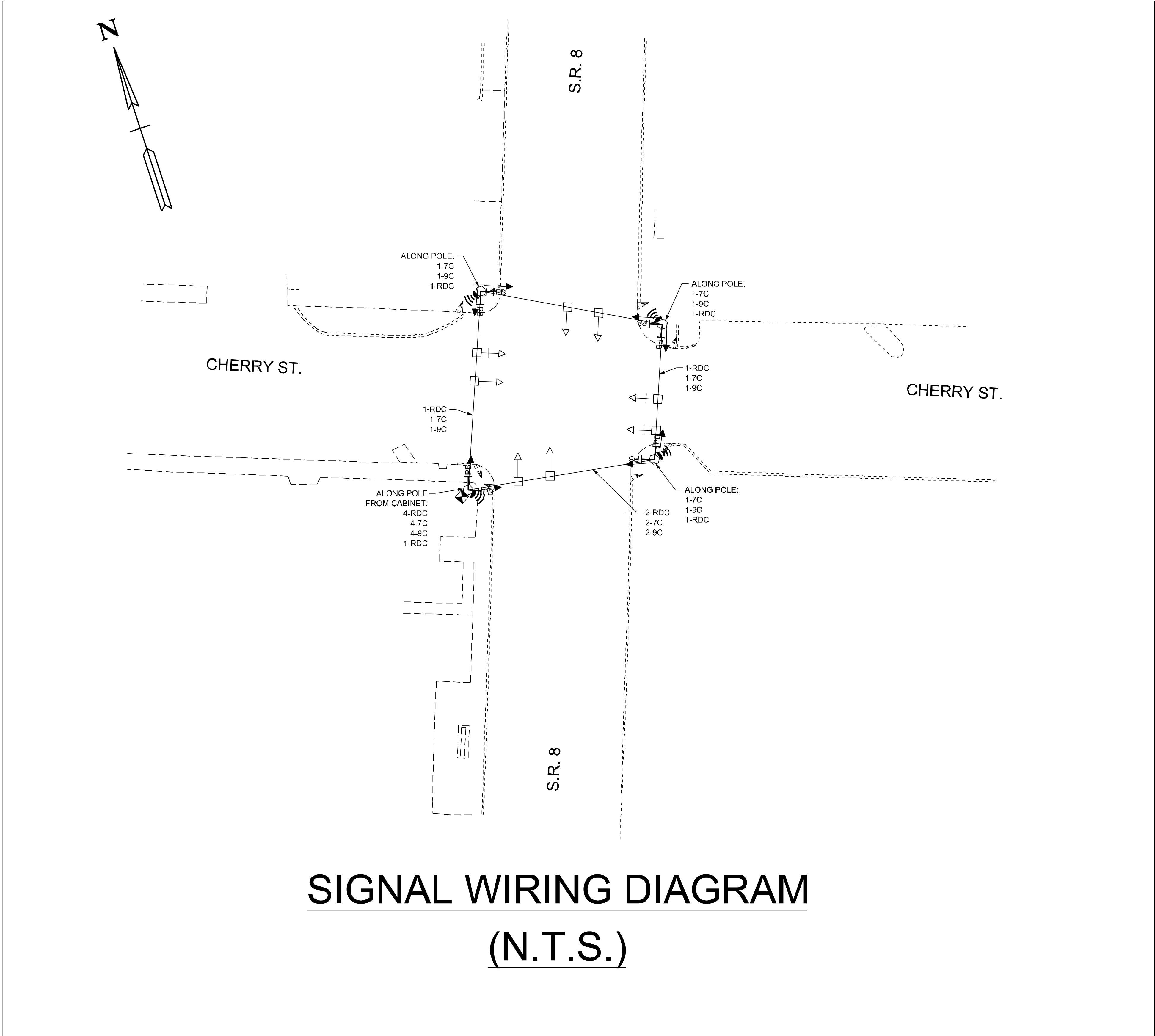
PROPOSED  
LAYOUT

S.R. 8 @ CHERRY ST.  
SCALE: 1"= 20'



100

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	77S008-S3-002	4B
PS&E	2025	77S008-S3-002	4B



PS&E

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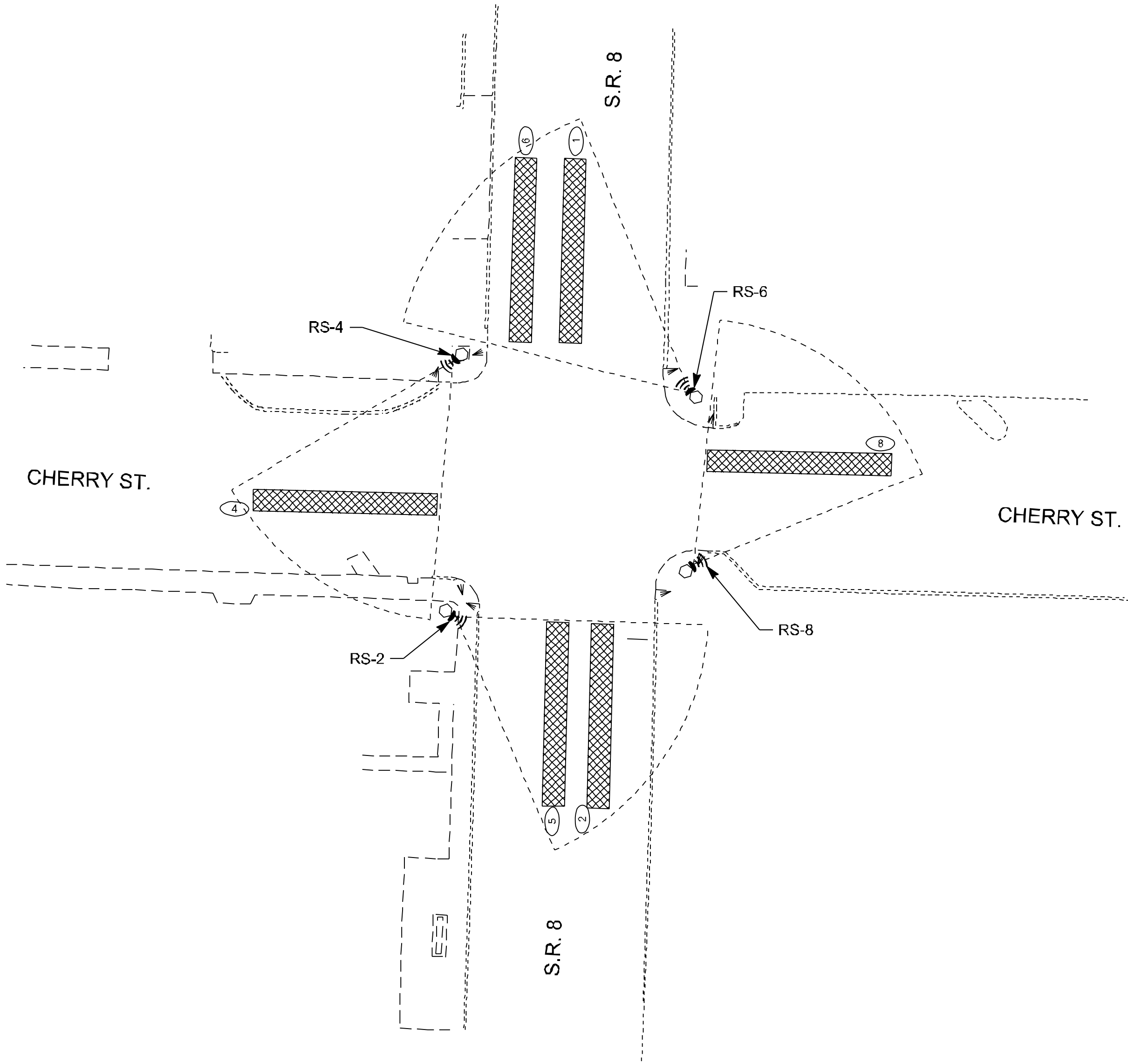
03-27-2025

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SIGNAL DETAILS

S.R. 8 @ CHERRY ST

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.I.H.	2025	77S008-S3-002	4C
PS&E	2025	77S008-S3-002	4C



**RADAR DETECTION DIAGRAM**  
**(N.T.S.)**

RADAR DETECTOR TARGET ASSIGNMENTS				
TARGET AREA #	DETECTOR #	TARGET AREA LENGTH	ASSOC. ϕ	COMMENTS
1	RS6	50'	1	SB LT PRESENCE
2	RS2	50'	2	NB THRU PRESENCE
4	RS4	50'	4	EB THRU PRESENCE
5	RS2	50'	5	NB LT PRESENCE
6	RS6	50'	6	SB THRU PRESENCE
8	RS8	50'	8	WB THRU PRESENCE

RS = RADAR STOP LINE DETECTION

PS&E



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

SIGNAL PHASING  
AND TIMING  
S.R. 8 @ CHERRY ST