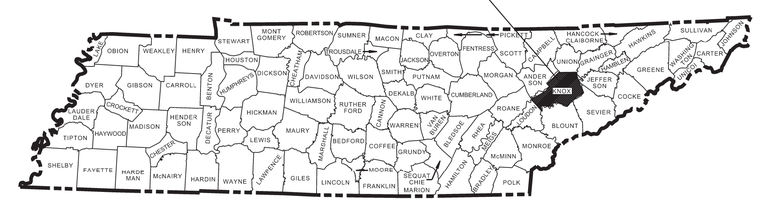
Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

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

TENN.	YEAR	SHEET NO.
	2023	1
FED. AID PROJ. NO.	R-STP/NH-115(29)	
STATE PROJ. NO.	47026-3280-14	

PROJECT LOCATION



KNOX COUNTY

S.R. 115 (US-129, ALOCA HIGHWAY)
FROM WOODSON DRIVE
TO CHEROKEE TRAIL INTERCHANGE

CONSTRUCTION

GRADE, BASE, PAVE, DRAIN, SIGNS, SIGNALS AND BRIDGES

STATE HIGHWAY NO. 115 F.A.H.S. NO. 129

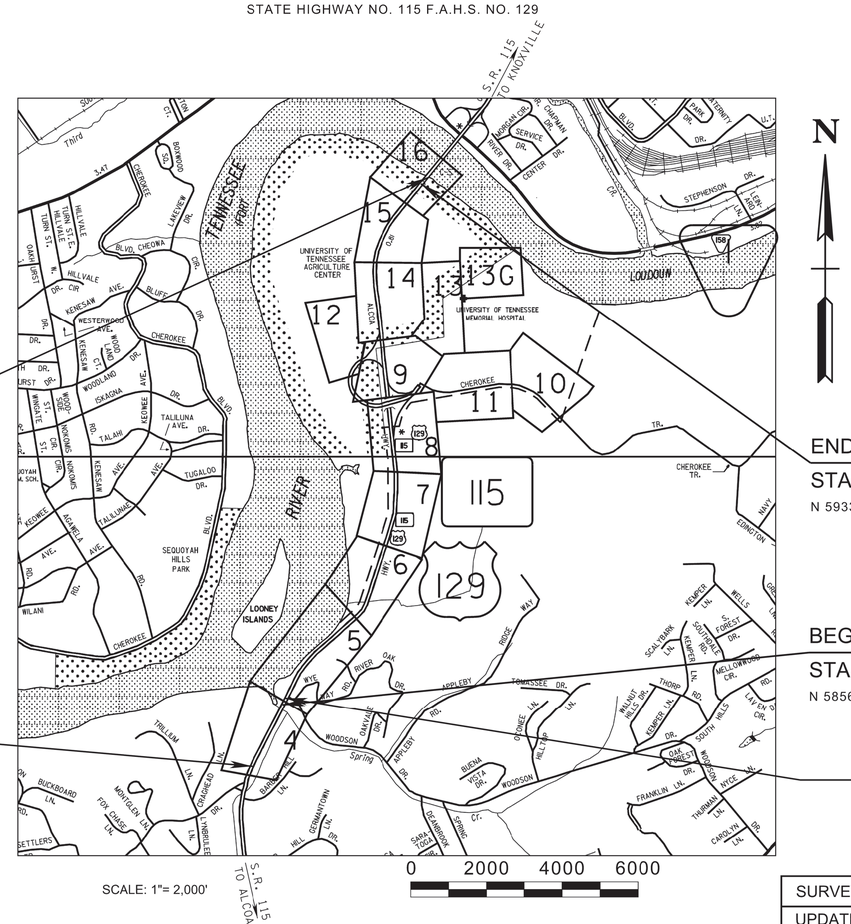
REV. 2-9-24

REVISED COORDINATES FOR BEGIN CONSTRUCTION STATION

REV. 7-14-25

REVISED BEGIN STATION AND COORDINATES FOR BEGIN CONSTRUCTION. REVISED ROADWAY LENGTH AND PROJECT LENGTH.

NO EXCLUSIONS



47026-3280-14
END PROJECT NO. R-STP/NH-115(29) CONSTRUCTION
STA. 211+41.10
N 293408.3725 E 2576345.1475

47026-3280-14
BEGIN PROJECT NO. R-STP/NH-115(29) CONSTRUCTION
STA. 115+40.00
N 584639.0477 E 2573897.6811

47026-2280-14
END PROJECT NO. R-STP/NH-115(29) R.O.W.
STA. 211+25.73
N 593396.6126 E 2576335.2540

47026-2280-14
BEGIN PROJECT NO. R-STP/NH-115(29) R.O.W.
STA. 127+12.38
N 585697.8205 E 2574400.3461

END ADJACENT
PROJECT NO. 47026-3279-14
STA. 12+721.50 (CONST.)

SEALED BY
GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102951
STATE OF TENNESSEE
7/15/2025

APPROVED: _____ WILL REID, CHIEF ENGINEER

DATE: _____

APPROVED: _____ HOWARD H. ELEY, COMMISSIONER

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 JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 1 ERIC WILSON, P.E.
DESIGNED BY : ROBERT G. CAMPBELL AND ASSOC., L.P.
DESIGNER : GREG GREEN. P.E. CHECKED BY JASON SIVERLING, P.E.
P.E. NO. 47026-1270-14 (DESIGN)
PIN NO. 100241.03

R.O.W. LENGTH	1.588 MILES
ROADWAY LENGTH	1.819 MILES
BRIDGE LENGTH	0.076 MILES ▲
BOX BRIDGE LENGTH	0.000 MILES ▲
BOX BRIDGE LENGTH	0.000 MILES ▲
PROJECT LENGTH	1.819 MILES

▲ Not included in the project length (Non Riding Surface).

SURVEY 08-16-02	TRAFFIC DATA	
UPDATED 06-02-14 04-07-17 09-20.22	ADT (2023)	61,446
	ADT (2043)	87,156
	DHV (2043)	10,317
	D	50 - 50
	T (ADT)	8 %
	T (DHV)	12 %
	V	60 MPH

COORDINATES ARE NAD 83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1. 0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988 WITH GEOID .

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

ROADWAY INDEX

STANDARD ROADWAY DRAWINGS

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	1A

SHEET NAME	SHEET NO.
SIGNATURE SHEETS	ROAD SIGN 1
	ROAD SIGN 2
	ROAD SIGN 3
	ROAD SIGN 4
	ROAD SIGN 5
	ROAD SIGN 6
	ROAD SIGN 7
	ROAD SIGN 8
	ROAD SIGN 9
	ROAD SIGN 10
	ROAD SIGN 11
	ROAD SIGN 12
	ROAD SIGN 13
	ROAD SIGN 14
	ROAD SIGN 15
TITLE SHEET	1
ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	1A
STANDARD ROADWAY DRAWINGS	1A1, 1A2,
STANDARD STRUCTURE AND TRAFFIC OPERATIONS DRAWINGS	1A3
PROJECT COMMITMENTS	1B
ESTIMATED ROADWAY QUANTITIES	2A, 2A1, 2A2
TYPICAL SECTIONS AND PAVEMENT SCHEDULE	2B – 2B5
GENERAL NOTES	2C, 2C1
SPECIAL NOTES	2D, 2D1
ENVIRONMENTAL NOTES	2E, 2E1
TABULATED QUANTITIES	2F-2F7
RIGHT-OF-WAY NOTES, UTILITY NOTES, UTILITY OWNERS AND RIGHT-OF-WAY ACQUISITION TABLE	3
PROPERTY MAPS	3A – 3B
GEOMETRIC DESIGN	3C-3D
SHEET LAYOUT	3E
PRESENT LAYOUTS	4 – 16, 13E
RIGHT OF WAY DETAILS	4A – 16A, 13F
PROPOSED LAYOUTS	4B – 16B, 13G
PROPOSED PROFILES	4C – 16C
RAMP PROFILES	9E-9G,11D-11G, 13C,13D
SIDE ROADS PROFILES	7D, 8D, 9D, 13H, 13J, 14D AND 17
PRIVATE DRIVE, BUSINESS, AND FIELD ENTRANCE PROFILES	18
DRAINAGE MAPS	19 – 20
CULVERT SECTIONS	21 – 25
EROSION PREVENTION AND SEDIMENT CONTROL PLANS	26,27, 27A-27N 28, 28A-28N 29, 29A-29N
ENVIRONMENTAL MITIGATION PLANS	NOT USED
SIGNING AND PAVEMENT MARKING PLANS	30–40,40A,41-44
SIGN SCHEDULE SHEETS	45-53,53A
MISCELLANEOUS SIGNING DETAILS	54-54N
ROADWAY CROSS SECTIONS	55, 55A-55D,163,165-235
NOT USED	164
RAMP CROSS SECTIONS	236-256, 315-317
SIDE ROAD CROSS SECTIONS	257-314, 318-348
TRAFFIC CONTROL PLANS	TC-1
	TC-2 – TC-2A
	TC-3 – TC-3P
	TC-4 – TC-4P
	TC-5– TC-5P
	TC-6 – TC-6P
	TC-7 – TC-7P
	TC-8 – TC-8N
	TC-9
BRIDGE PLANS	B-1
GEOTECHNICAL PLANS	G-1
ITS PLANS	ITS-1
LIGHTING PLANS	L-1
HIGH MAST POLE FOUNDATION DETAILS	F-1
RETAINING WALL DETAILS	R-1
SIGNAL PLANS	SIG-1
STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INDEX	S-1
UTILITIES INDEX	U1–1

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

ROADWAY DESIGN STANDARDS

DWG.	REV.	DESCRIPTION
RD-TP-1	09-26-16	STANDARD ROADWAY DRAWINGS TITLE SHEET
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	03-16-17	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	03-16-17	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-5	05-01-08	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	03-30-10	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-7	05-24-12	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD01-TS-1	02-05-16	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-TS-1A	02-05-16	DESIGN STANDARDS FOR LOW-VOLUME LOCAL ROADS (ADT<=400)
RD01-TS-2	03-16-17	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RD01-TS-4	07-23-13	DESIGN STANDARDS 1 AND 2 LANE RAMPS
RD01-TS-5B	10-15-02	DESIGN STANDARDS FREEWAYS WITH MEDIAN BARRIER
RD01-TS-6	01-07-19	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RD01-TS-6A	01-07-19	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER
RD01-SE-2	10-15-02	URBAN SUPERELEVATION DETAILS
RD01-SE-3	10-15-02	RURAL SUPERELEVATION DETAILS
RD01-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE SLOPE DEVELOPMENT
RD01-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD01-S-11B	10-15-02	DESIGN AND CONSTRUCTION DETAILS FOR ROCK CUT SLOPE AND CATCHMENT
RD01-SA-1	10-15-02	SAFETY APPROACH TO UNDERPASSES GRADING DESIGN AND SLOPE PROTECTION
RD01-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD01-SD-2		INTERSECTION SIGHT DISTANCE LANDSCAPE AND OBSTRUCTION
RD01-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD01-SD-4		INTERSECTION SIGHT DISTANCE 5-LANE AND 4-LANE UNDIVIDED ROADWAYS
RD01-SD-5		INTERSECTION SIGHT DISTANCE 4-LANE DIVIDED HIGHWAYS
RD01-SD-6		INTERSECTION SIGHT DISTANCE 6-LANE DIVIDED HIGHWAYS
RD18-RTS-3		STANDARD CONSTRUCTION DETAILS FOR ROUNDABOUTS
RD-UD-3	09-05-96	UNDERDRAIN DETAILS
RD-UD-4	01-25-16	UNDERDRAIN LATERAL DETAILS
RD-UD-6	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 1:1 & 2:1 SLOPES
RD-UD-7	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 3:1 & 4:1 SLOPES
RD-UD-9	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 6:1 SLOPES

PIPE CULVERTS AND ENDWALLS

DWG.	REV.	DESCRIPTION
D-PB-1	03-16-17	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
D-PB-2	01-29-14	STANDARD DETAILS FOR FLEXIBLE PIPE INSTALLATION
D-PB-3		INDUCED TRENCH SOIL EMBANKMENT FOR PIPE CULVERT INSTALLATION
D-PE-18A	01-06-15	18" CONCRETE ENDWALL CROSS DRAIN (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-18B		18" CONCRETE ENDWALL CROSS DRAIN (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-24A	07-05-17	24" CONCRETE ENDWALL CROSS DRAIN (FOR 3:1, 4:1 & 6:1 SLOPES)
D-PE-24B		24" CONCRETE ENDWALL CROSS DRAIN (FOR 3:1, 4:1 & 6:1 SLOPES)

REV. 2-17-23
ADDED ROAD SIGN-2 SHEET, 14D, LISTED SHEET 164 AS NOT USED AND F-1 TO THE INDEX.

REMOVED SHEET 5D FROM INDEX.

REVISED SHEET NAMES FOR SHEET 3 AND 3A-3B.

MOVED SHEET 13C FROM SIDEROAD PROFILES TO RAMP PROFILES.

MOVED SHEETS 315-317 FROM SIDEROAD CROSS SECTIONS TO RAMP CROSS SECTIONS.

REV. 4-12-23
ADDED SHEETS ROAD SIGN 3 AND 2D1 TO THE INDEX.

REV. 5-5-23
ADDED SHEETS ROAD SIGN 4 TO THE INDEX.

REV. 9-11-23
ADDED SHEETS ROAD SIGN 5 TO THE INDEX.

ADDED STANDARD DRAWING RD18-RTS-3.

REV. 10-30-23
ADDED SHEETS ROAD SIGN 6 AND 7 TO THE INDEX.

REV. 11-22-23
ADDED SHEET ROAD SIGN 8 TO THE INDEX.

REV. 12-11-23
ADDED SHEET ROAD SIGN 9 TO THE INDEX.

REV. 2-9-24
ADDED SHEET ROAD SIGN 10 AND 56A-56D TO THE INDEX.

REV. 3-29-24
ADDED SHEET ROAD SIGN 11 AND 346-348 TO THE INDEX.

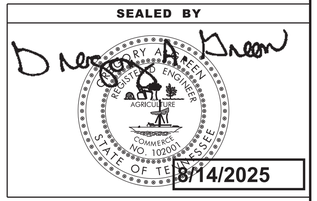
REV. 5-20-24
ADDED SHEET ROAD SIGN 12 TO THE INDEX.

REV. 7-17-24
ADDED SHEET ROAD SIGN 13 TO THE INDEX.

REV. 7-14-25
ADDED SHEET ROAD SIGN 14 TO THE INDEX.

REV. 8-14-25
ADDED SHEET ROAD SIGN 14 TO THE INDEX.

SEALED BY



8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

8/14/2025 2:39:31 PM
L:\TDOT\009031\INDEX and STD DWGS.SHT

CATCH BASINS AND MANHOLES

D-CB-12LP	05-15-18	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 12LP CATCH BASIN (FOR USE WITH 6" NON-MOUNTABLE CURB)
D-CB-12P	05-15-18	STANDARD PRECAST RECTANGULAR CONCRETE NO.12 CATCH BASIN
D-CB-12RA	05-15-18	STANDARD PRECAST 48" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RB	05-15-18	STANDARD PRECAST 60" AND 72" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RC	05-15-18	STANDARD PRECAST 84" THRU 120" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12S	05-15-18	STANDARD RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-12SB	05-15-18	STANDARD 4' X 4' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SC	05-15-18	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SD	05-15-18	STANDARD 7' X 7' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SE	05-15-18	STANDARD 9' X 9' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-25LP	05-15-18	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 25LP CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25P	05-15-18	STANDARD PRECAST RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25RA	05-15-18	STANDARD PRECAST 48" CIRCULAR NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25RB	05-15-18	STANDARD PRECAST CIRCULAR NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25S	05-15-18	STANDARD RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SB	05-15-18	STANDARD 4' X 4' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SC	05-15-18	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SD	05-15-18	STANDARD 7' X 7' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SE	05-15-18	STANDARD 9' X 9' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-41LP	05-15-18	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 41LP CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41P	05-15-18	STANDARD 4' X 3' PRECAST RECTANGULAR CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41RB	05-15-18	STANDARD PRECAST CIRCULAR NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41S	05-15-18	STANDARD 4' X 3' RECTANGULAR CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41SB	05-15-18	STANDARD 4' X 4' SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41SC	05-15-18	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41SD	05-15-18	STANDARD 7' X 7' SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-41SE	05-15-18	STANDARD 9' X 9' SQUARE CONCRETE NO. 41 CATCH BASIN (FOR USE UNDER CONCRETE MEDIAN BARRIER WALL)
D-CB-42RB	05-15-18	STANDARD PRECAST CIRCULAR NO. 42 CATCH BASIN
D-CB-42S	05-15-18	STANDARD 32" X 32" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SB	05-15-18	STANDARD 4' X 4' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SC	05-15-18	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SD	05-15-18	STANDARD 7' X 7' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-99	05-20-14	MISCELLANEOUS DETAILS FOR RECTANGULAR STRUCTURES
D-CB-99R	03-11-14	MISCELLANEOUS DETAILS FOR ROUND STRUCTURES
D-CB-99RA	03-19-14	BILL OF STEEL FOR ROUND CATCH BASIN LIDS
D-CB-99RB		ROUND JUNCTION BOX SPRING DRAIN BOX
D-CBB-12A	05-27-01	TYPE 'B' CAST IRON FRAME, GRATE & NONMOUNTABLE INLET DETAILS FOR NOS. 10, 12, 14, 16 & 17 TYPE CATCH BASINS
D-CBB-31	05-27-01	TYPE 'B' CAST IRON FRAME, GRATE & INLET DETAILS FOR NOS. 31, 41, 45, 46, & 51 TYPE CATCH BASINS
D-CBB-42	05-27-01	CAST IRON GRATE DETAILS FOR NOS. 42, 43 & 44 TYPE CATCH BASINS
D-JBS-1	08-01-12	STANDARD 32" X 32" SQUARE CONCRETE NO. 1 JUNCTION BOX
D-JBS-2	08-01-12	STANDARD 4' X 4' SQUARE CONCRETE NO. 2 JUNCTION BOX
D-JBS-3	08-01-12	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 3 JUNCTION BOX
D-JBS-4	08-01-12	STANDARD 7' X 7' SQUARE CONCRETE NO. 4 JUNCTION BOX
D-JBS-5	08-01-12	STANDARD 9' X 9' SQUARE CONCRETE NO. 5 JUNCTION BOX

ROADWAY AND PAVEMENT APPURTENANCES

RP-CS-1	09-29-10	CONCRETE SHOULDER RUMBLE STRIP DETAIL (FOR 4-LANE DIVIDED HIGHWAY)
RP-CS-2	09-29-10	CONCRETE SHOULDER RUMBLE STRIP DETAIL (FOR 6-LANE OR WIDER DIVIDED HIGHWAY)
RP-J-1	10-26-00	PORTLAND CEMENT CONCRETE PAVEMENT JOINT TYPES AND SPACING
RP-J-3	10-26-00	PORTLAND CEMENT CONCRETE PAVEMENT JOINT TYPES AND SPACING
RP-J-5	07-01-01	TYPICAL ACCELERATION AND DECELERATION LANE JOINT TYPES AND SPACING FOR CONCRETE RAMPS
RP-J-7	07-14-14	CONCRETE RAMP JOINT TYPES AND SPACING
RP-J-9	02-02-12	CONTRACTION AND CONSTRUCTION JOINTS FOR CONCRETE PAVEMENT
RP-J-11	07-29-96	3/4" AND 1 3/4" EXPANSION AND EDGE PAVEMENT JOINTS
RP-J-13	03-20-91	3/4" AND 1 3/4" ELASTOMERIC COMPRESSION JOINT SEALS
RP-J-15	01-19-02	LONGITUDINAL CONTRACTION AND CONSTRUCTION JOINTS
RP-J-17	02-02-12	DOWEL ASSEMBLY DEVICES
RP-J-18	02-02-12	DOWEL ASSEMBLY DEVICES
RP-J-19	02-02-12	DOWEL ASSEMBLY DEVICES
RP-D-15	01-07-19	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-D-16	01-07-19	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-I-5	12-18-96	EXAMPLES OF STREET & ALLEY INTERSECTIONS
RP-R-1	05-27-01	STANDARD RAMPS TO SIDE ROADS
RP-PMR-1	05-27-01	STANDARD DETAILS FOR PROPOSED PERMANENT MAINTENANCE RAMP
RP-SC-1		6" SLOPING CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-VC-10		VERTICAL CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-VC-11		VERTICAL CONCRETE CURBS AND GUTTERS 6" AND 7' DEPTH
W-CIP-1	05-07-18	ROADWAY FEATURES AT CAST IN PLACE RETAINING WALL
W-MSE-1		ROADWAY FEATURES FOR MSE SEGMENTAL PRECAST FACING RETAINING WALL
W-MSE-2		ROADWAY FEATURES FOR MSE MODULAR BLOCK FACING RETAINING WALL
W-SG-1		STANDARD GRAVITY-TYPE RETAINING WALLS
W-SP-1		ROADWAY FEATURES AT SOLDIER PILE AND SOIL ANCHORED RETAINING WALLS

MULTIMODAL

MM-CR-1	CURB RAMP AND TRUNCATED DOME SURFACE DETAIL
MM-CR-2	PERPENDICULAR CURB RAMP
MM-CR-3	PARALLEL CURB RAMP
MM-CR-4	PEDESTRIAN REFUGE
MM-CR-5	PERPENDICULAR CURB RAMP IN CURVE
MM-CR-6	PERPENDICULAR CURB RAMP PLACED OUTSIDE CURVE
MM-CR-7	PARALLEL CURB RAMP IN CURVE
MM-SW-1	DETAILS FOR CONCRETE SIDEWALKS
MM-BPR-1	BIKE/PEDESTRIAN SAFETY RAIL
MM-BPR-2	BARRIER BIKE/PEDESTRIAN MEDIAN RAIL

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	1A1

REV. 9-11-23

REMOVED STANDARD DRAWING RP-R-2.

SEALED BY

GREGORY A. GRANT REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 102001 STATE OF TENNESSEE

9/11/2023

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD ROADWAY DRAWINGS

9/11/2023 10:32:54 AM
L:\TDOT\00903\INDEX and STD DWGS.SHT

SAFETY DESIGN AND FENCES

S-CZ-1		CLEAR ZONE CRITERIA
S-PL-1		SAFETY PLAN AT ROADSIDE HAZARDS
S-PL-2	10-10-16	SAFETY PLAN AT SIDEROADS OR PRIVATE DRIVES
S-PL-3	10-10-16	SAFETY PLAN: MINIMUM INSTALLATION AT BRIDGE ENDS
S-PL-4	10-10-16	SAFETY PLAN FOR BRIDGE PIERS IN CLEAR ZONE
S-PL-5	10-10-16	SAFETY PLAN FOR BRIDGE ENDS IN MEDIANS
S-PL-6	10-10-16	SAFETY PLAN SAFETY HARDWARE PLACEMENT ON OUTSIDE EDGE
S-PL-6A	07-05-17	SAFETY PLAN SAFETY HARDWARE PLACEMENT IN MEDIAN
S-GR31-1	03-28-17	W-BEAM GUARDRAIL
S-GR31-1A		W-BEAM BARRIER FASTENING HARDWARE
S-GRS-1	03-28-17	SPECIAL CASE LONG SPAN GUARDRAIL ONE POST OMITTED
S-GRS-2	07-05-17	SPECIAL CASE: GUARDRAIL ATTACHMENT TO CONCRETE DECKS
S-GRS-3	03-28-17	SPECIAL CASE: GUARDRAIL FOOTING
S-GRS-4	03-16-17	SPECIAL CASE GUARDRAIL HEIGHT TRANSITION DETAIL
S-GRC-1	10-10-16	GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
S-GRC-2	10-10-16	GUARDRAIL CONNECTION TO BRIDGE ENDS FOR LOCAL ROADS (ADT< 2000)
S-GRC-3	10-10-16	MEDIAN DIVIDER GUARDRAIL TRANSITION TO CONCRETE MEDIAN BARRIER
S-GRT-2	03-28-17	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2P	07-05-17	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINAL
S-GRT-3	03-28-17	TYPE 21 GUARDRAIL END TERMINAL
S-GRA-4	07-05-17	IN-LINE GUARDRAIL ANCHOR
S-GRA-5	03-28-17	FLARED GUARDRAIL ANCHOR
S-SSMB-1	08-19-13	32" SINGLE SLOPE CONCRETE BARRIER WALL
S-SSMB-2	08-19-13	51" SINGLE SLOPE CONCRETE BARRIER WALL
S-SSMB-3	07-16-13	51" HALF SIZE SINGLE SLOPE CONCRETE BARRIER WALL
S-SSMB-4	04-12-16	FLARED SINGLE SLOPE CONCRETE MEDIAN BARRIER WALL (VERTICAL BACK)
S-SSMB-5		SINGLE SLOPE MEDIAN BARRIER WALL CATCH BASIN DETAIL
S-SSMB-6	10-10-16	GUARDRAIL ATTACHMENT TO SINGLE SLOPE CONCRETE BARRIER WALL
S-SSMB-7	05-10-14	FOOTING DETAILS FOR OVERHEAD SIGN STRUCTURE 32" MEDIAN BARRIER WALL
S-SSMB-8	05-20-14	FOOTING DETAILS FOR OVERHEAD SIGN STRUCTURE 51" MEDIAN BARRIER WALL
S-SSMB-9	07-16-13	SINGLE SLOPE BARRIER WALL FOR GRADE SEPARATED MEDIAN
S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-F-10	11-15-17	STANDARD RIGHT-OF-WAY STOCK FENCE
S-F-10B	11-15-17	STANDARD RIGHT-OF-WAY CHAIN LINK FENCE
S-F-10C	11-15-17	RIGHT-OF-WAY FENCE AT BRIDGES AND BOX CULVERTS
S-F-10D	11-15-17	RIGHT-OF-WAY FENCE LOCATIONS AT INTERCHANGES
S-FG-11	11-15-17	STANDARD STOCK FENCE GATE
S-FG-20	11-15-17	EXAMPLES OF WATER GATES AND WATER CROSSINGS
S-RP-2	02-08-16	STANDARD CONCRETE RIGHT-OF-WAY MARKERS

DESIGN - TRAFFIC CONTROL

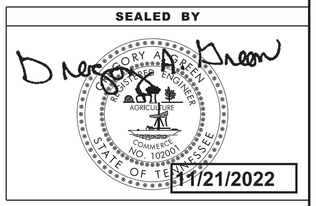
T-M-1	07-05-17	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	07-05-17	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	07-24-14	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	10-10-16	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-5	04-23-13	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-6	01-07-19	MARKING DETAIL FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-7	01-12-12	GORE MARKING DETAILS FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-8	01-12-12	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-9	11-01-11	PAVEMENT MARKING AND SIGNING DETAILS FOR RAMP INTERSECTIONS
T-M-15		ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR INTERSTATE AND ACCESS CONTROLLED ROUTES
T-M-15A	01-30-15	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-M-16	01-30-15	ASPHALT SHOULDER RUMBLE STRIPE INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-M-16A	07-24-14	ASPHALT CENTER LINE RUMBLE STRIPE
T-M-17	02-20-14	PAVEMENT MARKING DETAILS FOR ROUNDABOUTS
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-PBR-1	03-16-17	INTERCONNECTED PORTABLE BARRIER RAIL
T-PBR-2	03-16-17	DETAIL FOR FLEXIBLE DELINEATORS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-12	03-05-17	ONE LANE CLOSURE DETAIL FOR BRIDGES ON DIVIDED HIGHWAYS
T-WZ-15	03-05-17	INTERIOR LANE CLOSURE ON FREEWAYS OR EXPRESSWAYS
T-WZ-16	03-05-17	LANE SHIFT ON DIVIDED HIGHWAYS AND FREEWAYS
T-WZ-18	03-05-17	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-WZ-21	03-05-17	LANE CLOSURE WITH LEFT HAND MERGE AND LANE SHIFT
T-WZ-30	09-01-05	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (40 MPH OR LESS)
T-WZ-31	09-01-05	TRAFFIC CONTROL 2-LANE, 2-WAY DIVERSION (GREATER THAN 40 MPH)
T-WZ-32	03-05-17	TRAFFIC CONTROL PLAN SIGNAL LAYOUT FOR TRAFFIC SIGNAL AT TWO LANE BRIDGE RECONSTRUCTION SITE
T-WZ-36	03-05-17	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-55	10-10-16	SIDEWALK TRAFFIC CONTROL

EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-1	08-01-12	DEWATERING STRUCTURE
EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	03-16-17	SILT FENCE
EC-STR-3C	08-01-12	SILT FENCE WITH WIRE BACKING
EC-STR-3E	04-01-08	SILT FENCE FABRIC JOINING DETAILS
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-35	08-01-12	FILTER BERMS
EC-STR-37	06-10-14	SEDIMENT TUBE
EC-STR-6	05-06-16	ROCK CHECK DAM
EC-STR-6A	05-06-16	ENHANCED ROCK CHECK DAM
EC-STR-11	03-16-17	CULVERT PROTECTION TYPE 1
EC-STR-39	08-01-12	CURB INLET PROTECTION TYPE 1 & 2
EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
EC-STR-11A	08-01-12	CULVERT PROTECTION TYPE 2
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-31	08-01-12	TEMPORARY DIVERSION CHANNEL
EC-STR-31A	04-01-08	TEMPORARY DIVERSION CHANNEL DESIGN
EC-STR-32	08-01-12	TEMPORARY DIVERSION CULVERTS
EC-STR-33	08-01-12	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
EC-STR-33A	08-01-12	SUSPENDED PIPE DIVERSION (UPSTREAM)
EC-STR-38	08-01-12	FLOATING TURBIDITY CURTAIN

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	1A2

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STANDARD ROADWAY DRAWINGS

11/18/2022 2:22:36 PM
L:\TDOT\009031\INDEX and STD DWGS.SHT

STANDARD TRAFFIC OPERATIONS DRAWINGS

DWG.	REV.	DESCRIPTION
SIGNS		
T-S-6	02-12-91	STANDARD MOUNTING DETAILS - BOLTED EXTRUDED PANELS
T-S-7	02-12-91	HIGHWAY SHIELDS USED ON INTERSTATE AND U.S. NUMBERED ROUTES
T-S-8	07-15-91	HIGHWAY SHIELDS USED ON STATE NUMBERED ROUTES AND ARROWS
T-S-9	06-10-14	STANDARD LAYOUT GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS FLAT SHEET SIGNS ALUMINUM-STEEL DESIGN
T-S-12	07-10-17	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-13	10-21-19	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, I-BEAMS
T-S-14	10-21-19	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, WF-BEAMS
T-S-15	12-07-90	STANDARD CONDUIT & GROUND DETAILS FOR OVERHEAD & CANTILEVER SIGN STRUCTURES
T-S-16	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-16A	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-11-17	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-18	02-14-14	END OF ROADWAY, DEAD END SIGNS, AND METAL BARRICADES (TYPE III)
T-S-19	06-12-20	STANDARD STEEL SIGN SUPPORTS
T-S-20	07-11-17	SIGN DETAILS
T-S-21	04-10-19	DETAILS FOR SIGNS MOUNTS ON CONCRETE MEDIAN BARRIERS
T-S-23A	07-11-17	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY P-POST SIGN SUPPORT
T-S-23B	07-19-13	MULTI-DIRECTIONAL SLIP BASE BREAKAWAY STRUCTURAL PIPE SIGN SUPPORT
T-S-23C	07-02-15	BREAKAWAY POST SIGN SUPPORTS
T-S-25	05-4-22	SIGNING PLAN DETAILS FOR ROUNDABOUTS
SIGNALS		
T-SG-2	06-27-16	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-5	06-27-16	CONTROLLER CABINET DETAILS
T-SG-7	10-21-19	SIGNAL HEAD ASSEMBLIES
T-SG-7A		TYPICAL SIGNAL HEAD PLACEMENT APPROACHES WITH NO THROUGH MOVEMENTS
T-SG-7B	10-21-19	TYPICAL SIGNAL HEAD PLACEMENT APPROACHES WITH NO THROUGH MOVEMENTS
T-SG-7C		TYPICAL SIGNAL HEAD PLACEMENT ONE-LANE AND TWO-LANE APPROACHES
T-SG-7D	10-21-19	TYPICAL SIGNAL HEAD PLACEMENT TWO-LANE APPROACHES
T-SG-7E		TYPICAL SIGNAL HEAD PLACEMENT THREE-LANE APPROACHES
T-SG-7F	07-13-17	TYPICAL SIGNAL HEAD PLACEMENT THREE-LANE APPROACHES
T-SG-7K	11-17-20	TYPICAL SIGNAL HEAD PLACEMENT FOUR-LANE APPROACHES
T-SG-9	10-21-19	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-9A	07-12-17	MISCELLANEOUS SIGNAL DETAILS
T-SG-10	07-11-17	MAST ARM POLE AND STRAIN POLES FOUNDATION 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
LIGHTING AND UTILITY POLES		
T-FO-2		FIBER OPTIC UNDERGROUND ENTRANCE DETAILS
T-FO-4		FIBER OPTIC PULL BOX, CABINET & POLE DETAILS
T-L-1	11-17-20	STANDARD LIGHTING FOUNDATION DETAILS
T-L-1SA	09-11-13	STANDARD LIGHTING DETAILS FOR SINGLE ARM SUPPORTS
T-L-1TM		STANDARD LIGHTING DETAILS TENON MOUNTED OFFSET LIGHTING SUPPORTS
T-L-2	12-04-13	FOUNDATION DETAIL FOR LUMINAIRE MOUNTED ON CONCRETE MEDIAN BARRIER
T-L-3	04-15-96	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	05-25-11	STANDARD LIGHTING DETAILS CONDUIT, CABLE INSTALLATION

STANDARD STRUCTURE DRAWINGS

DWG.	REV.	DESCRIPTION
NEW STRUCTURES		
STD-8-2SS		SINGLE SLOPE PARAPET STANDARD LIGHT SUPPORT DETAILS
STD-8-3	09-01-91	MEDIAN BARRIER LIGHT STANDARD SUPPORT DETAILS
STD-8-3SS	06-15-20	SINGLE SLOPE MEDIAN BARRIER STANDARD LIGHT SUPPORT DETAILS
STD-8-4		SIGN, LUMINAIRE, AND TRAFFIC SIGNAL SUPPORTS
LRFD BOX CULVERTS		
STD-17-1		INDEX OF DRAWINGS
STD-17-2		TERMINOLOGY
STD-17-3		GENERAL NOTES
STD-17-4		DESIGN SECTION LIMITS
STD-17-5		TYPICAL SECTION AND DETAILS
STD-17-6		TYPICAL ELEVATIONS
STD-17-7		CURB, RAIL & EDGE BEAM DETAILS - SKEW NOT LESS THAN 45 DEG.
STD-17-8		EDGE BEAM DETAILS FOR FILLS GREATER THAN 3' - 6"
STD-17-9		INTERIOR WALL END TREATMENTS
STD-17-10		TYPICAL WINGWALL DETAILS AND NOTES
STD-17-11		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-12		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-13		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-14		WINGWALL DIMENSIONS AND QUANTITIES
STD-17-15		WINGWALL & SPECIAL RETAINING WALL DESIGN SECTIONS
STD-17-16		WINGWALL DESIGN SECTION
STD-17-17	06-01-11	BACKFILL AND DRAINAGE DETAILS
STD-17-18		BACKFILL DETAILS
STD-17-20		LOW FLOW CHANNEL CONSTRUCTION DETAILS FOR CULVERT INLET AND OUTLET
STD-17-23		SIDEWALK AND MISCELLANEOUS DETAILS
STD-17-24		WARPED SLOPE DETAIL
STD-17-25		STAGE CONSTRUCTION JOINT DETAIL (FILL ABOVE TOP OF SLAB NOT GREATER THAN 3'-6")
STD-17-26		EXTENSION DETAILS
STD-17-27		EXTENSION DETAILS FOR SCOURED OUTLET
STD-17-28		END SECTION DETAILS
STD-17-51	05-01-14	BOX BRIDGE, 1 BARREL AT 6', CLEAR HTS. 3' - 6', 0 - 60' FILL
STD-17-58		BOX BRIDGE, 1 BARREL AT 12', CLEAR HTS. 10' - 12', 0 - 60' FILL

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	1A3

REV. 2-17-23

ADDED STANDARD DRAWING T-S-25 AND T-L-1TM.

DELETED STANDARD DRAWINGS T-S-22 AND T-S-24.

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102
STATE OF TENNESSEE

2/17/2023

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

STANDARD TRAFFIC OPERATIONS & STRUCTURE DRAWINGS

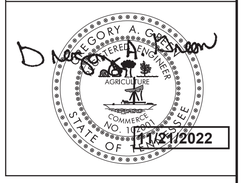
2/17/2023 8:01:56 AM
L:\TDOT\00903\CONST - TRAFFIC OPERATION AND BOX CULVERT STANDARD DRAWING.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	1B

PROJECT COMMITMENTS

COMMITMENT ID	SOURCE DIVISON	DESCRIPTION	STA. / LOCATION
EDHZ001	ENVIRONMENT	AN ASBESTOS CONTAINING MATERIAL (ACM) SURVEY WAS COMPLETED ON BRIDGE NO. 47SR1150007, CHEROKEE TRAIL OVER SR-115, LM 00.01 (47-05647-00.01). THE BRIDGE HAS APPROXIMATELY 11,000 SQUARE FEET OF TEXTURE COATINGS (ALL THE COATINGS ON THE BRIDGE) WITH LESS THAN 1% CHRYSOTILE. PLEASE SEE THE REPORT FOR FURTHER DETAILS AND PHOTOGRAPHS. MATERIAL WITH ASBESTOS MINERALS LESS THAN OR EQUAL TO 1% MUST BE HANDLED BY WORKERS IN SUCH A MANNER AS TO MINIMIZE THE POTENTIAL FOR FIBER RELEASE. TYPICALLY, FEDERAL OSHA REQUIRES THAT ENGINEERING CONTROLS AND WORK PRACTICES ARE IMPLEMENTED BY THE EMPLOYER TO MINIMIZE WORKER EXPOSURE. THESE METHODS CAN INCLUDE WET REMOVAL, HEPA VACUUM PROCEDURES FOR DEBRIS OF CONCERN AND OTHER TECHNIQUES. THE CONTRACTOR RESPONSIBLE FOR ON-SITE ACTIVITIES SHOULD BE ADVISED TO ASSESS WHETHER THERE ARE ADDITIONAL LOCAL REGULATIONS GOVERNING THE POTENTIAL FOR WORKER OR PUBLIC EXPOSURE DUE TO ASBESTOS MATERIALS BEING PRESENT BUT ONLY CONTAINING TRACE AMOUNTS OF ASBESTOS FIBERS.	BRIDGE NO. 47SR1150007
EDHZ003	ENVIRONMENT	AT A MINIMUM, THE CONTRACTOR WHO IS RESPONSIBLE FOR ON-SITE ACTIVITIES, AND ANY SUBCONTRACTORS, SHOULD BE MADE AWARE OF THE PRESENCE OF THIS MATERIAL, ITS NEED FOR PROPER HANDLING AND THAT HE IS THE LEGAL ENTITY ON-SITE THAT OSHA WILL HOLD RESPONSIBLE FOR MEETING ALL STANDARDS AND AIRBORNE FIBER LIMITATIONS RELATIVE TO WORKER SAFETY. FEDERAL OSHA REQUIREMENTS FOR LIMITING WORKER EXPOSURE TO AIRBORNE ASBESTOS FIBERS ARE AS FOLLOWS, FROM 29 CFR 1910.1001(C): 1. PERMISSIBLE EXPOSURE LIMIT (PELS) TIME-WEIGHTED AVERAGE LIMIT (TWA). THE EMPLOYER SHALL ENSURE THAT NO EMPLOYEE IS EXPOSED TO AN AIRBORNE CONCENTRATION OF ASBESTOS IN EXCESS OF 0.1 FIBERS PER CUBIC CENTIMETER OF AIR AS AN EIGHT (8)-HOUR TIME-WEIGHTED AVERAGE (TWA) AS DETERMINED BY THE METHOD PRESCRIBED IN APPENDIX A TO THIS SECTION, OR BY AN EQUIVALENT METHOD.	BRIDGE NO. 47SR1150007
EDHZ004	ENVIRONMENT	2. EXCURSION LIMIT. THE EMPLOYER SHALL ENSURE THAT NO EMPLOYEE IS EXPOSED TO AN AIRBORNE CONCENTRATION OF ASBESTOS IN EXCESS OF 1.0 FIBER PER CUBIC CENTIMETER OF AIR (1 F/CC) AS AVERAGED OVER A SAMPLING PERIOD OF THIRTY (30) MINUTES." DISPOSAL OF THIS MATERIAL MAY ALSO BE REGULATED BY FEDERAL, STATE OR LOCAL AUTHORITIES. THE ON-SITE CONTRACTOR SHOULD BE ADVISED TO CONSIDER THIS FACTOR AND DETERMINE WHETHER ADDITIONAL REGULATIONS (SUCH AS LABELING AND WORKER SAFETY, AS WELL AS FINAL DISPOSITION) GOVERN LABELING, TRANSPORT, SHIPPING AND DISPOSAL. PRIOR TO THE DEMOLITION OR REHABILITATION OF ANY STRUCTURE (BRIDGE OR BUILDING), THE CONTRACTOR IS REQUIRED TO SUBMIT THE NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS STANDARD 10-DAY NOTICE OF DEMOLITION TO THE TDEC DIVISION OF AIR POLLUTION CONTROL (PER TDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (JANUARY 1, 2015) SECTIONS 107.08 D AND 202.03).	BRIDGE NO. 47SR1150007

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

PROJECT
COMMITMENTS

11/18/2022 2:38:38 PM
L:\TDOT\00903\CONST - PROJECT COMMITMENTS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2A

ESTIMATED ROADWAY QUANTITIES

NOTE	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 47026-3280-14
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	108-03	CPM PROJECT SCHEDULE	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
(4)	202-01.56	REMOVAL OF STRUCTURES & OBSTRUCTIONS (DESCRIPTION)	LS	1
(28)	202-01.57	REMOVAL OF STRUCTURES & OBSTRUCTIONS (WIRE MESH)	LS	1
(39)	202-06.01	REMOVAL OF BUILDINGS AND OBSTRUCTIONS	LS	1
	202-08.28	REMOVAL OF MEDIAN BARRIER (DESCRIPTION)	L.F.	4530
(2)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	971161
(6)	203-01.11	PRESPLITTING OF ROCK EXCAVATION	S.Y.	15472
(8)	203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	26300
	203-04	PLACING AND SPREADING TOPSOIL	C.Y.	22,972
(8)	203-05	UNDERCUTTING	C.Y.	125
	203-06	WATER	M.G.	2805
(36)	203-40.19	TIE-BACK ANCHOR (7-STRAND UNCLASSIFIED)	L.F.	720
(36)	203-40.22	TIE-BACK ANCHOR (1-3/4" 150 ksi BAR)	L.F.	42068
(5)	203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	2300
	204-01	CULVERT EXCAVATION (UNCLASSIFIED)	C.Y.	280
(8)	204-05.20	GROUT CASING INSTALLATION	L.F.	2200
(8)	204-06.01	FLOWABLE FILL (GENERAL)	C.Y.	200
	204-08	FOUNDATION FILL MATERIAL	C.Y.	95
(31)	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	1250
(33)	204-14	BRUSH BARRIERS	L.F.	6000
(33)	204-15	SEDIMENT REMOVAL	C.Y.	5000
	209-01.31	TEMPORARY MULCH FILTER BERM	C.Y.	9000
	209-02.07	18" TEMPORARY SLOPE DRAIN	L.F.	14000
	209-04	BRUSH BARRIERS	L.F.	6000
	209-05	SEDIMENT REMOVAL	C.Y.	5000
	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	14000
	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	80000
	209-08.07	ROCK CHECK DAM PER	EACH	130
	209-08.08	ENHANCED ROCK CHECK DAM	EACH	35
	209-09.01	SANDBAGS	BAG	10000
	209-09.03	SEDIMENT FILTER BAG(15' X 15')	EACH	4
(5)(1)	209-13.04	TURBIDITY CURTAIN(DESCRIPTION)	L.F.	1150
	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	1000
	209-09.21	POLYACRYLAMIDE GEL LOGS	EACH	1000
	209-09.22	POLYACRYLAMIDE POWDER	LB.	10000
	209-09.23	POLYACRYLAMIDE LIQUID	GAL.	1000
	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	140
	209-10.20	TEMPORARY SEDIMENT TRAP	C.Y.	9000
	209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	8
	209-40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	125
	209-40.43	CATCH BASIN FILTER ASSEMBLY(TYPE 3)	EACH	22
	209-40.44	CATCH BASIN FILTER ASSEMBLY (TYPE 4)	EACH	1
	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	200
(24)(3)	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	199614
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	2300
(7)(1)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	5598
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	320
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	2157
	307-01.21	ASP. CONC. MIX(PG70-22) (BPMB-HM) GR. A-S	TON	22672
	307-02.01	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING A	TON	48097
(9)	307-02.08	ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING B-M2	TON	27402
	313-03	TREATED PERMEABLE BASE	S.Y.	53949
(24)	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	373
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	1475
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	235
	411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	1528
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	1636
	411-01.11	ACS MIX(PG64-22) GRADING E RDWY	TON	345
	411-02.10	ACS MIX(PG70-22) GRADING D	TON	10792

ESTIMATED ROADWAY QUANTITIES

NOTE	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 47026-3280-14
	411-12.01	SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	6
(25)	415-01.03	COLD PLANING BITUMINOUS PAVEMENT	C.Y.	775
(24)	501-01.03	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 10"	S.Y.	49044
	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	470
	604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	LB.	94416
(16)(10)	604-01.20	BOX TUBE SAFETY RAIL	L.F.	1121
(35)	604-03.08	CLASS A CONCRETE (RETAINING WALL 18, 21 and 22)	C.Y.	47
	604-07.02	RETAINING WALL (RETAINING WALL 1)	S.F.	10293
	604-07.03	RETAINING WALL (RETAINING WALL 2)	S.F.	1042
	604-07.04	RETAINING WALL (RETAINING WALL 3A)	S.F.	5392
	604-07.05	RETAINING WALL (RETAINING WALL 3B)	S.F.	9,331
	604-07.06	RETAINING WALL (RETAINING WALL 3C)	S.F.	22187
	604-07.07	RETAINING WALL (RETAINING WALL 5)	S.F.	2470
	604-07.08	RETAINING WALL (RETAINING WALL 6)	S.F.	15970
	604-07.11	RETAINING WALL (RETAINING WALL 7)	S.F.	5887
	604-07.12	RETAINING WALL (RETAINING WALL 8)	S.F.	15880
	604-07.13	RETAINING WALL (RETAINING WALL 9A)	S.F.	1,330
	604-07.14	RETAINING WALL (RETAINING WALL 9B)	S.F.	1,298
	604-07.16	RETAINING WALL (RETAINING WALL 11)	S.F.	520
	604-07.17	RETAINING WALL (RETAINING WALL 12)	S.F.	742
	604-07.18	RETAINING WALL (RETAINING WALL 13)	S.F.	2060
	604-07.19	RETAINING WALL (RETAINING WALL 14)	S.F.	1477
	604-07.20	RETAINING WALL (RETAINING WALL 15)	S.F.	1366
	604-07.21	RETAINING WALL (RETAINING WALL 16)	S.F.	684
	604-07.22	RETAINING WALL (RETAINING WALL 17)	S.F.	3151
	604-15.01	PORTLAND CEMENT GROUT	C.Y.	500
(37)	604-15.20	COMPACTION GROUT	C.F.	13500
(8)	606-04.03	STEEL PILES (14 INCH)	L.F.	1450
(32)	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	11974
	607-03.03	18" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	248
	607-03.04	18" CONCRETE PIPE CULVERT (CLASS V)	L.F.	5
	607-03.30	18" PIPE CULVERT	L.F.	106
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	6318
	607-05.03	24" CONCRETE PIPE CULVERT (CLASS IV)	L.F.	116
	607-05.30	24" PIPE CULVERT	L.F.	281
	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	756
	607-06.04	30" CONCRETE PIPE CULVERT (CLASS V)	L.F.	126
	607-07.02	36" CONCRETE PIPE CULVERT (CLASS III)	L.F.	1217
	607-08.02	42" CONCRETE PIPE CULVERT (CLASS III)	L.F.	335
	607-09.02	48" CONCRETE PIPE CULVERT (CLASS III)	L.F.	521
	607-11.03	60" CONCRETE PIPE CULVERT (CLASS III)	L.F.	35
	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	35
	607-41.03	18" SLOPE DRAIN PIPE	L.F.	150
	607-45.02	18" SLOTTED DRAIN PIPE	L.F.	35
(42)	610-07.03	18" PIPE DRAIN (BRIDGE DRAIN)	L.F.	240
	611-01.02	MANHOLES, > 4' - 8' DEPTH	EACH	3
	611-01.03	MANHOLES, > 8' - 12' DEPTH	EACH	1
	611-01.04	MANHOLES, > 12' - 58' DEPTH	EACH	5
	611-02.01	SPRING DRAIN BOX, TYPE 1	EACH	2
	611-02.11	JUNCTION BOX, TYPE 2	EACH	6
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	55
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	1489
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	7
	611-07.55	18IN ENDWALL (CROSS DRAIN) 4:1	EACH	4
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	3
	611-07.58	24IN ENDWALL (CROSS DRAIN) 4:1	EACH	2
	611-07.59	24IN ENDWALL (CROSS DRAIN) 6:1	EACH	4
	611-07.60	30IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-07.61	30IN ENDWALL (CROSS DRAIN) 4:1	EACH	2
	611-07.66	42IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	24

(1) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE AND REPLACEMENT.

(2) INCLUDES 63,374 C.Y. FOR EROSION CONTROL DEVICES

(3) INCLUDES 20,000 TON FOR MAINTENANCE OF TRAFFIC AND 12 TONS FOR STABILIZATION OF SUBGRADE. SEE GEOTECHNICAL PLAN SHEET 2G.

(4) INCLUDES THE REMOVAL OF EXISTING PIPES AND CATCHBASINS, FENCES, CONCRETE DITCHES AND EXISTING TUNNEL AND OTHER ITEMS DIRECTED BY THE TDOT SUPERVISOR.

(5) MAY BE INCREASED OR DECREASED AS DIRECTED BY THE TDOT SUPERVISOR.

(6) AS SHOWN ON CROSS SECTIONS FROM STA. 132+00 TO STA. 147+0, STA. 150+50 TO STA. 155+00, AND FROM STA. 160+00 TO STA. 165+50

(7) INCLUDES 5,198 TON FOR WALL 6. SEE SHEET RA, FOR TABULATED QUANTITIES

(8) SEE GEOTECHNICAL PLAN SHEET G2.

(9) INCLUDES 10,000 TONS FOR MAINTENANCE OF TRAFFIC.

(10) AS SHOWN ON PLANS AND CROSS SECTIONS FROM STA. 136+05 TO STA. 146+25 AND FOR WALL 11.

(25) COLD PLANNING TO BE USED TO TIES AT EXISTING ROADS AND ADJUSTMENT OF PAVEMENT HEIGHT WHERE NEEDED TO CONSTRUCTION MAINLINE OR SIDEROADS OR AS DIRECTED BY THE TDOT SUPERVISOR.

(28) THE EXISTING TYPE II WIRE MESH, ATTACHED WITH 10' ROCK ANCHORS, TO THE RIGHT OF THE CENTERLINE OF S.R. 115 BETWEEN STA. 134+00 AND 136+00 ALONG WITH THE NUTS AND PLATES SHOULD BE REMOVED PRIOR TO BLASTING.

(31) TO BE USED FOR THE FILLING OF EXISTING PIPES AND BOX CULVERTS.

(32) HP 14x117 SOLDIER PILE, SEE SHEET RA, FOR TABULATED QUANTITIES.

(33) FOR CONSTRUCTION OF WALL 6.

(35) TO BE USED FOR TIEBEAM ON WALLS 18, 21 AND 22 SEE SHEET RA, FOR TABULATED QUANTITIES.

(36) SEE SHEET RA FOR TABULATED QUANTITIES.

(37) TO BE USED TO FILL THE EXISTING PIPES THAT ARE TO REMAIN.

(39) SEE REMOVAL OF BUILDING AND OBSTRUCTION TAB BLOCK ON SHEET 2F-1

(42) COST TO INCLUDE THE 18" HDPE PIPE, THE BENDS FOR THE PIPE, THE CLAMPS AND 3" SHOTCRETE AS SHOWN ON RETAINING WALL DRAINING R18FA AND R18FB.

REV. 2-17-23

REVISED DESCRIPTION ON ITEM NO. 202-06.01 AND ADDED NOTE 39 TO THE ITEM NO.

REVISED QUANTITY FOR ITEM NOS. 203-01, 604-01.20 AND 604-07.22.

REVISED STATE PROJECT NO.

ADDED NOTE 16 TO ITEM NO. 604-01.20.

REVISED STATION LIMITS ON NOTE 10.

REV. 4-12-23

ADDED ITEM NO. 108-03.

REV. 5-5-23

REVISED ITEM NO. 203-02.01.

REMOVED ITEM NO. 604-03.07.

REVISED NOTE 33

ADDED ITEM NOS. 204-14, 204-15 AND 604-07.08

REV. 9-11-23

REVISED ITEM NOS. 607-05.02, 611-07.57, 611-02.11, 611-12.01 AND 611-12.02.

REV. 10-30-23

REVISED QUANTITY FOR ITEM NO. 604-07.03

REV. 3-29-24

ADDED ITEM NOS. 607-05.03, 607-06.03 AND 607-06.04.

REV. 5-20-24

REVISED ITEM NOS. 607-03.02, 607-03.04, 607-05.02, 607-06.02, 607-07.02, 607-08.02, 611-01.02, 611-07.01, 611-07.02 AND 611-07.58.

REV. 7-17-24

REVISED ITEM NOS. 607-03.02, 607-05.02, 607-06.02, 607-07.02, 607-08.02, 611-01.02, AND 611-07.54.

DELETED ITEM NOS. 607-06.03 AND 607-06.04 AND 611-07.60.

ADDED ITEM NO. 607-41.03 AND FOOTNOTE.

REV. 7-14-25

REVISED ITEM NOS. 204-01, 204-08, 303-01.01, 604-01.01, 604-01.02, 604-07.13, 604-07.14, 607-03.02, 607-03.04, 607-05.02, 607-45.02, 611-07.54, 611-07.55, 611-07.56, 611-07.57, 611-07.58, 611-07.59, 611-07.61, 611-12.01, 611-12.02.

ADDED ITEM NOS. 607-03.03 AND 611-07.60.

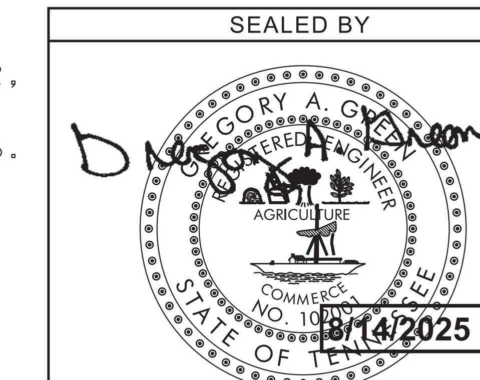
REV. 8-14-25

REVISED ITEM NOS. 604-01.20, 607-03.02, 607-03.03,607-05.02, 607-05.30, 607-07.02, 611-07.02, 611-07.59 AND NOTE 10.

REMOVED ITEM NOS. 604-07.15 AND 611-07.56.

ADDED ITEM NOS. 607-06.04, 611-01.03 AND 611-01.04.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

ESTIMATED
ROADWAY

/2025 2:40:20 PM
DOT\00903\CONST - ESTIMATED ROADWAY QUANTITIES.SHT

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 47026-3280-14
	611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	63
	611-12.03	CATCH BASINS, TYPE 12, > 8' - 12' DEPTH	EACH	8
	611-12.04	CATCH BASINS, TYPE 12, > 12' - 16' DEPTH	EACH	3
	611-12.05	CATCH BASINS, TYPE 12, > 16' - 20' DEPTH	EACH	2
	611-25.01	CATCH BASINS, TYPE 25, 0' - 4' DEPTH	EACH	1
	611-25.02	CATCH BASINS, TYPE 25, > 4' - 8' DEPTH	EACH	2
	611-41.01	CATCH BASINS, TYPE 41, 0' - 4' DEPTH	EACH	20
	611-41.02	CATCH BASINS, TYPE 41, > 4' - 8' DEPTH	EACH	35
	611-41.03	CATCH BASINS, TYPE 41, > 8' - 12' DEPTH	EACH	4
	611-41.04	CATCH BASINS, TYPE 41, > 12' - 16' DEPTH	EACH	9
	611-41.05	CATCH BASINS, TYPE 41, > 16' - 20' DEPTH	EACH	1
	611-41.08	CATCH BASINS, TYPE 41, > 28' DEPTH	EACH	1
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	5
	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	10
	611-42.08	CATCH BASINS, TYPE 42, > 28' DEPTH	EACH	1
	611-43.01	CATCH BASINS, TYPE 43, 0' - 4' DEPTH	EACH	1
	611-43.02	CATCH BASINS, TYPE 43, > 4' - 8' DEPTH	EACH	2
	611-51.02	CATCH BASINS, TYPE 51, > 4' - 8' DEPTH	EACH	4
	621-03.02	18" TEMPORARY DRAINAGE PIPE	L.F.	170
36	622-01.04	SHOTCRETE 4 IN THICKNESS	S.F.	36045
36	622-01.05	SHOTCRETE 6 IN THICKNESS	S.F.	105193
36	622-01.06	SHOTCRETE 12 IN THICKNESS	S.F.	17852
36	622-01.07	SHOTCRETE 8 IN THICKNESS	S.F.	36779
36 34	622-01.20	SHOTCRETE ARCHITECTURAL FACING	S.F.	36288
	630-01.16	6" CONCRETE BOLLARD/GUARD POST	EACH	30
	701-01.01	CONCRETE SIDEWALK (4 ")	S.F.	35400
	701-02	CONCRETE DRIVEWAY	S.F.	7125
24	702-01	CONCRETE CURB	C.Y.	283
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	1398
	703-01	CEMENT CONCRETE DITCH PAVING	C.Y.	274
	705-06.25	THRIE BEAM BRIDGE TRANSITION MASH TL-3	EACH	4
	705-06.26	THRIE BEAM BRIDGE TRANSITION MASH TL-2	EACH	3
	705-06.01	W BEAM GR (TYPE 2) MASH TL-3	L.F.	4963
	705-06.10	GR TERMINALTRAILING END (TYPE 13) MASH TL3	EACH	6
	705-06.11	GUARDRAIL TERMINAL (TYPE-IN-LINE)	EACH	2
	705-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	7
	705-06.30	GUARDRAIL TERMINAL (TYPE 21)	EACH	20
26 13	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	36
	705-20.20	LOW MAINT CRASH CUSSION NARROW (MASH TL-3)	EACH	2
12	705-20.25	TEMPORARY CRASH CUSHION (MASH TL-3)	EACH	36
	706-01	GUARDRAIL REMOVED	L.F.	10550
	707-01.02	END & CORNER POST ASSEMBLY(CHAIN-LINK FENCE 4')	EACH	67
	707-01.11	CHAIN LINK FENCE (6 FOOT)	L.F.	400
	707-01.12	END & CORNER POST ASSEMBLY(CHAIN-LINK FENCE 6')	EACH	8
	707-02.01	CHAIN-LINK FENCE (4') (VINYL COATED)	L.F.	11100
8	707-02.43	ROCK ANCHOR, TYPE I	L.F.	1210
	707-03.01	STOCK FENCE	L.F.	1900
	707-03.02	END, BRACED LINE, CORNER POST ASSEMBLY(STOCK FENCE)	EACH	13
40	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1000
8	707-10.06	ROCKFALL DRAPE (TYPE II)	S.Y.	8000
11 8	707-10.30	ROCKFALL FENCE (PORTABLE-TEMPORARY)	L.F.	4200
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	71
14	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	1000
15	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	10000
15	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	14000
24	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	17000
20	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	29428
	710-05	LATERAL UNDERDRAIN	L.F.	1300
	710-06.11	LATERAL UNDERDRAIN ENDWALL (2:1)	EACH	13
	710-06.12	LATERAL UNDERDRAIN ENDWALL (3:1)	EACH	13
	710-06.13	LATERAL UNDERDRAIN ENDWALL (4:1)	EACH	13

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 47026-3280-14
	710-06.15	LATERAL UNDERDRAIN ENDWALL (6:1)	EACH	52
27	711-05.70	32IN SINGLE SLOPE CONCRETE BARRIER WALL	L.F.	196
27	711-05.71	51IN SINGLE SLOPE CONCRETE BARRIER WALL	L.F.	10338
16	711-05.72	SINGLE SLOPE HALF CONCRETE BARRIER WALL	L.F.	869
	711-05.77	FLARED SINGLE SLOPE CONCRETE MEDIAN BARRIER WALL	L.F.	1225
16	711-05.78	GRADE SEPARATED SINGLE SLOPE MEDIAN WALL	L.F.	2283
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	20460
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	500
	712-05.01	WARNING LIGHTS (TYPE A)	EACH	134
	712-05.03	WARNING LIGHTS (TYPE C)	EACH	140
	712-06	SIGNS (CONSTRUCTION)	S.F.	1318
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	670
	712-08.03	ARROW BOARD (TYPE C)	EACH	8
	712-08.12	QUEUE PROTECTION TRUCK	DAYS	1300
	712-09.01	REMOVABLE PAVEMENT MARKING LINE	L.F.	10000
	712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	10000
	712-09.04	REMOVABLE PAVEMENT MARKING (STOP LINE)	L.F.	100
	712-09.30	REMOVABLE BLACK-OUT TAPE (6")	L.F.	10000
	712-09.31	REMOVABLE BLACK-OUT TAPE (8IN)	L.F.	10000
	712-12.10	TEMPORARY CURB W/FLEXIBLE DELINEATOR	L.F.	20000
	713-01.01	CLASS A CONCRETE (FOUNDATION FOR SIGN SUPPORTS)	C.Y.	10
	713-01.02	STEEL BAR REINFORCEMENT(FOUNDATION FOR SIGN SUPPORTS)	LB.	2500
	713-02.14	FLEXIBLE DELINEATOR (WHITE)	EACH	225
	713-02.15	FLEXIBLE DELINEATOR (YELLOW)	EACH	450
	713-05	STEEL HOLLOW SQUARE POST(BREAKAWAY) SIGN SUPPORT	LB.	385
	713-06	STEEL I-BEAMS & WF-BEAMS(BREAKAWAY) SIGN SUPPORT	LB.	7000
	713-09.01	STEEL OVERHEAD SIGN STRUCTURE (SPAN 70.69') (SIGN 1)	EACH	1
	713-09.02	STEEL OVERHEAD SIGN STRUCTURE (SPAN 66.11') (SIGN 2)	EACH	1
	713-09.03	STEEL OVERHEAD SIGN STRUCTURE (SPAN 81.25') (SIGN 3)	EACH	1
	713-09.04	STEEL OVERHEAD SIGN STRUCTURE (SPAN 69.29') (SIGN 4)	EACH	1
	713-09.05	STEEL OVERHEAD SIGN STRUCTURE (SPAN 72'-0") (SIGN 27)	EACH	1
	713-09.06	STEEL OVERHEAD SIGN STRUCTURE (SPAN 60'-0") (SIGN 29)	EACH	1
	713-09.07	STEEL OVERHEAD SIGN STRUCTURE (SPAN 80'-0") (SIGN 34)	EACH	1
	713-09.08	STEEL OVERHEAD SIGN STRUCTURE (SPAN 78'-0") (SIGN 36)	EACH	1
	713-09.09	STEEL OVERHEAD SIGN STRUCTURE (SPAN 114'-0") (SIGNS 70 & 71)	EACH	1
	713-09.10	STEEL OVERHEAD SIGN STRUCTURE (SPAN 95'-0") (SIGN 110)	EACH	1
	713-09.11	STEEL OVERHEAD SIGN STRUCTURE (SPAN 95'-0")(SIGNS 115 & 116)	EACH	1
	713-09.12	STEEL OVERHEAD SIGN STRUCTURE (SPAN 66.55')	EACH	1
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	4200
	713-11.21	P POST SLIP BASE	EACH	6
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	345
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	650
	713-14	EXTRUDED ALUMINUM PANEL SIGNS	S.F.	4600
38	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	8
	713-16.20	SIGNS (HANDICAP PARKING) (R7-8)	EACH	1
	713-16.41	RELOCATE SIGN	LS	1
	713-17.02	INSTALL AUXILIARY SUPPORT FOR EXIT NUMBER PANEL	EACH	12
	713-30.09	BARRIER MOUNTED SIGN SUPPORT (MOUNTED ON BARRIER WALL)	EACH	6
	713-30.10	BARRIER MOUNTED SIGN SUPPORT (PERF/KNOCKOUT)	EACH	5
	716-01.06	TEMPORARY RAISED PAVEMENT MARKER,WHITE	EACH	200
	716-01.07	TEMPORARY RAISED PAVEMENT MARKER,YELLOW	EACH	1006
17	716-01.21	SNOWPLOWABLE RAISED PAVMENT MARKERS (BI-DIR) (1 COLOR)	EACH	100
	716-01.22	SNOWPLOWABLE RAISED PAVMENT MARKERS (MONO-DIR)(1 COLOR)	EACH	600
	716-01.23	SNOWPLOWABLE RAISED PAVEMENT MARKERS (BI-DIR)(2 COLOR)	EACH	120
	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	100
21	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	400
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	81
	716-02.07	PLASTIC PAVEMENT MARKING (24" BARRIER LINE)	L.F.	1200

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2A1

REV. 2-17-23

REVISED QUANTITY FOR ITEM NOS. 705-06.01, 705-06.30, 711-05.70, 711-05.71, 711-05.72, 711-05.78 AND 713-13.02.

REVISED NOTE 27.

REMOVED ITEM NO. 620-05.01.

REVISED STATE PROJECT NO.

REVISED NOTE 16.

REVISED NOTE 34 TO STATE 'SEE SHEET R18C'.

REV. 4-12-23

ADDED ITEM NOS. 713-16.20 AND 716-04.10.

REVISED ITEM NO. 712-06.

REVISED NOTE 40.

REV. 5-5-23

ADDED ITEM NO. 711-05.77.

REV. 9-11-23

REVISED ITEM NOS. 611-41.04 AND 611-42.02.

REV. 10-13-23

ADDED ITEM NOS. 707-01.11AND 707-01.12. ADDED NOTE 41.

REV. 5-20-24

REVISED ITEM NOS. 611-12.02, 611-12.03, 611-42.01, 611-42.02 AND 611-43.02.

REMOVED ITEM NO. 611-12.08.

REV.7-17-24

REVISED ITEM NOS. 611-12.02 AND 611-42.01

REV. 7-14-25

REVISED ITEM NOS. 611-12.03, 611-41.01, 611-41.02, 611-41.04, 705-06.01, 705-06.20, 705-06.30, 711-05.71, 711-05.72 AND 711-05.77.

ADDED ITEM NOS. 611-12.04 AND 611-12.05

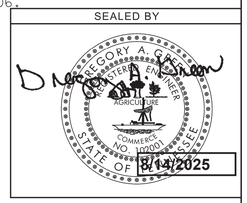
REVISED ITEM NO. 713-09.11 TO 713-09.12 AND REVISED THE SPAN IN THE DESCRIPTION.

REV. 8-14-25

REVISED ITEM NOS. 611-41.01, 611-41.02, 611-42.02, 622-01.04, 622-01.05, 622-01.07 AND 711-05.78.

ADDED ITEM NOS. 611-42.08 AND 622-01.06.

SEALED BY



11 TO BE USED DURING ROCK EXCAVATION AND SOIL NAIL WALL INSTALLATION FROM STA. 134+00 TO STA. 147+00 AND FROM STA. 150+50 TO STA. 171+00 WHENEVER WORK IS BEING PERFORMED.

12 THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.

13 THIS ITEM SHALL BE A PORTABLE, ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF MASH OR NCHRP 350 FOR TEST LEVEL 3. EXAMPLES WOULD BE A QUAD-GUARD, A REACT 350 OR A TRACC. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING.

14 TO BE USED FOR TEMPORARY CONSTRUCTION ENTRANCES.

15 TO BE USED FOR RIP-RAP APRONS.

16 SEE PROPOSED BARRIER WALL TAB BLOCK SHOWN ON SHEET 2F1.

17 BID PRICE TO INCLUDE THE REMOVAL OF EXISTING MARKERS.

20 UNDERDRAINS ALONG THE CURB AND GUTTER SECTIONS ARE TO BE TIED INTO CATCH BASINS

21 THE CONTRACTOR MAY ELECT TO SUBSTITUTE PREFORMED PLASTIC FOR THERMOPLASTIC. PREFORMED PLASTIC SHALL BE PAID FOR AT THE SAME UNIT PRICE AS BID FOR THERMOPLASTIC.

24 SEE SHEETS 2F-2F7 FOR PAVEMENT QUANTITIES TABULATION BLOCK.

26 TO BE USED AS PART OF THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE TDOT SUPERVISOR.

27 SEE TYPICAL SECTIONS SHEETS 2B AND 2B1 FOR LOCATIONS. INCLUDES 196 L.F. ALONG CHEROKEE TRAIL BETWEEN BRIDGE 1 AND BRIDGE 2

34 MUST INCLUDE ASHLAR STONE FINISH - SEE SHEET R18C

38 INCLUDES ALL COSTS FOR THE REMOVAL OF THE EXISTING SIGNS. THE CONTRACTOR IS RESPOSIBLE FOR ANY DAMAGE TO THE EXISTING OVERHEAD SIGN STRUCTURE IN THE PROCESS OF REMOVING SIGNS OR INSTALLING NEW SIGNS.

40 TO BE USED TO DELINATE CONSTRUCTION AREAS IN THE PARKING LOTS.

41 TO BE USED FOR TEMPORARY FENCE ALONG SIDE LIFE STAR ROAD

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2A2

REV. 2-17-23
REVISED STATE PROJECT NO.

REV. 4-12-23
MOVED ITEM NOS. 716-05.01 AND 716-05.05 FROM SHEET 2A1 TO 2A2

REV. 8-14-25
REVISED ITEM NOS. 805-05.05, 805-05.06 AND 805-05.07.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY 47026-3280-14
	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	70
	716-04.06	PLASTIC PAVEMENT MARKING (WRONG WAY ARROW)	EACH	6
21	716-04.10	PLASTIC PAVEMENT MARKING (HANDICAP SYMBOL)	EACH	1
	716-04.24	PLASTIC PAVEMENT MARKING (FISH-HOOKS WITH 2 ARROWS)	EACH	10
	716-04.25	PLASTIC PAVEMENT MARKING (FISH-HOOKS WITH 3 ARROWS)	EACH	5
	716-04.07	PLASTIC PAVEMENT MARKING (EXIT ONLY ARROW)	EACH	3
	716-04.12	PLASTIC PAVEMENT MARKING (YIELD LINE)	S.F.	240
	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	44
19	716-05.05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	400
	716-05.06	PAINTED PAVEMENT MARKING (TURN LANE ARROW)	EACH	70
	716-05.09	PAINTED PAVEMENT MARKING(STRAIGHT-TURN ARROW)	EACH	10
	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	8
	716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	20000
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	13
	716-12.09	ENHANCED FLAT LINE THERMO (12IN LINE)	L.F.	900
	716-12.10	ENHANCED FLAT LINE THERMO (12IN DOTTED)	L.F.	2640
18	716-12.03	ENHANCED FLATLINE THERMO PVMT MRKNG (8IN BARRIER LINE)	L.F.	2000
	716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	2000
	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	1
	716-13.02	SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.	6
	716-13.03	SPRAY THERMO PVMT MRKNG (60 mil) (8IN BARRIER LINE)	L.F.	1700
	717-01	MOBILIZATION	LS	1
	722-01.02	FIELD OFFICE (TYPE 2)	LS	1
30	725-21.02	DYNAMIC MESSAGE SIGN (MULTI-COLOR)	EACH	10
29	725-21.07	PORTABLE SMART WORK ZONE SYSTEM	DAY	1095
	725-25.55	AS-BUILT PLANS	LS	1
1	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	12000
8	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	6760
5 1	740-11.02	TEMPORARY SEDIMENT TUBE 12IN (DESCRIPTION)	L.F.	47000
5 1	740-11.03	TEMPORARY SEDIMENT TUBE 18IN (DESCRIPTION)	L.F.	50000
	801-01	SEEDING (WITH MULCH)	UNIT	325
	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	325
22	801-02	SEEDING (WITHOUT MULCH)	UNIT	1329
	801-02.15	FERTILIZER	TON	18
	801-03	WATER (SEEDING & SODDING)	M.G.	155
	803-01	SODDING (NEW SOD)	S.Y.	31330
36	805-05.05	SOIL NAIL (#6 THREADED BAR)	L.F.	31963
36	805-05.06	SOIL NAIL (#8 THREADED BAR)	L.F.	22620
36	805-05.07	SOIL NAIL #10 THREADED BAR)	L.F.	44017
5 22 23	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	116830
	806-02.03	PROJECT MOWING	CYCL	25
36	940-01.01	LIGHTWEIGHT FILL (EPS 22 GEOFOAM VOLUME)	C.Y.	8850
36	940-01.02	LIGHTWEIGHT FILL (EPS 29 GEOFOAM VOLUME)	C.Y.	1800

18 TO BE USED FOR FINAL PAVEMENT MARKINGS ON CONCRETE RAMPS AND BRIDGES.

19 TO BE USED FOR TEMPORARY PAVEMENT MARKINGS.

22 TO BE USED ON ALL SLOPES OR AS DIRECTED BY THE TDOT SUPERVISOR.

23 THE EROSION CONTROL BLANKET SHALL BE MADE WITH NATURAL, NON-MONOFILAMENT.

29 SEE SPECIAL PROVISION 725SWZS.

30 TO BE USED AS PART OF THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE TDOT SUPERVISOR.

SEALED BY

GREGORY A. GUSTAFSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

ESTIMATED
ROADWAY
QUANTITIES

8/14/2025 2:41:15 PM
L:\TDOT\00903\CONST - ESTIMATED ROADWAY QUANTITIES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	2
CONST	2023	R-STP/NH-115(29)	2B

REVISION 2-17-23

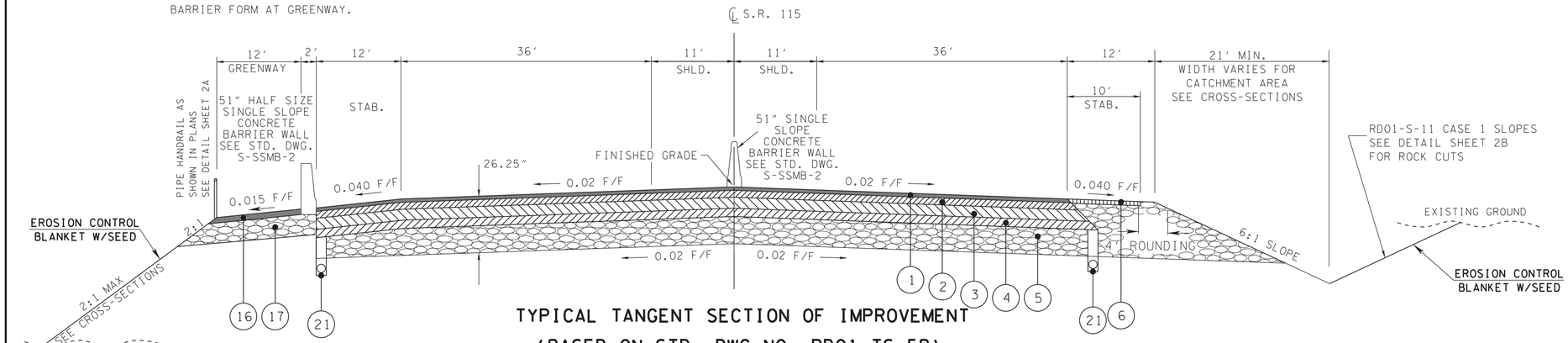
REVISED BARRIER WALL BETWEEN THE MAINLINE AND THE GREENWAY FROM S-SSMB-3 TO S-SSMB-2.

REVISION 2-9-24

REVISED NOTE B.

ADDED NOTES 'C' AND 'D'.

NOTE: CONTRACTOR MAY USE DOUBLE SIDED JERSEY BARRIER FORM AT GREENWAY.



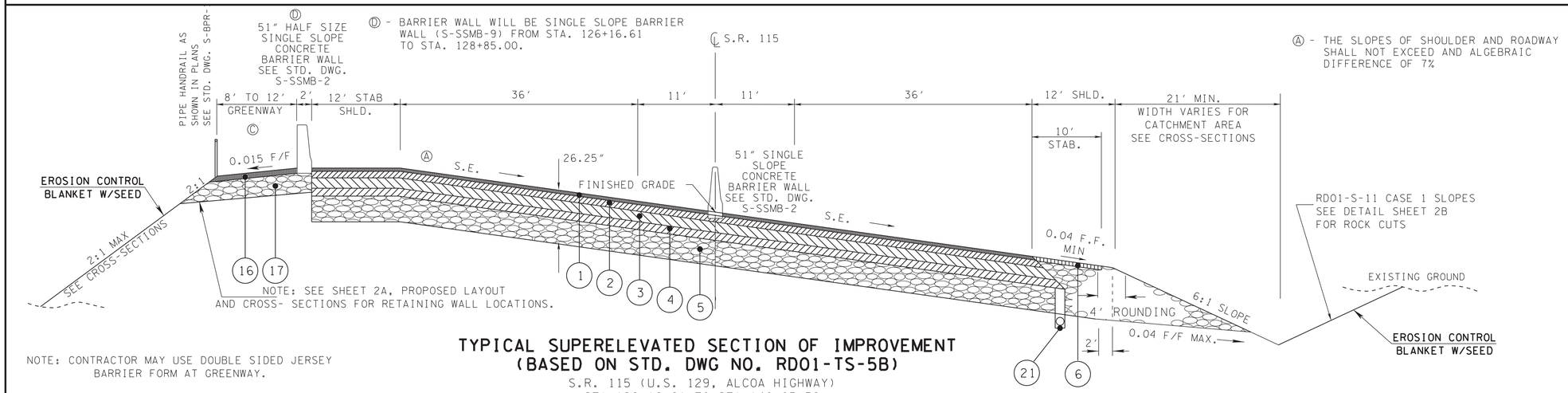
TYPICAL TANGENT SECTION OF IMPROVEMENT
(BASED ON STD. DWG NO. RD01-TS-5B)

S.R. 115 (U.S. 129, ALCOA HIGHWAY)
STA. 119+05.96 TO STA. 126+16.61 Ⓑ
STA 140+03.32 TO STA 140+09.74

Ⓑ - STA. 119+05.96 TO STA. 124+30.00WILL BE MILLED AND RESURFACING.

Ⓓ - BARRIER WALL WILL BE SINGLE SLOPE BARRIER WALL (S-SSMB-9) FROM STA. 126+16.61 TO STA. 128+85.00.

Ⓐ - THE SLOPES OF SHOULDER AND ROADWAY SHALL NOT EXCEED AND ALGEBRAIC DIFFERENCE OF 7%



NOTE: SEE SHEET 2A, PROPOSED LAYOUT AND CROSS- SECTIONS FOR RETAINING WALL LOCATIONS.

TYPICAL SUPERELEVATED SECTION OF IMPROVEMENT
(BASED ON STD. DWG NO. RD01-TS-5B)

S.R. 115 (U.S. 129, ALCOA HIGHWAY)
STA 126+16.61 TO STA 140+03.32
STA 140+09.74 TO STA 148+00.00

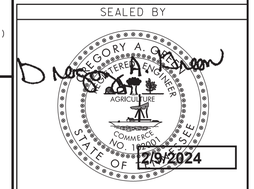
NOTE: CONTRACTOR MAY USE DOUBLE SIDED JERSEY BARRIER FORM AT GREENWAY.

© - GREENWAY TRANSITION FORM 8' AT STA. 126+16.61 TO 12' AT STA. 127+66.16

PROPOSED PAVEMENT SCHEDULE

1. BITUMINOUS SURFACING (ROADWAY) @ 1¼" THICK (APPROX. 132.5 LBS./S.Y.)
   - 411-02.10 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "D"
   - 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.05 - 0.10 GAL/S.Y.)
2. BITUMINOUS BINDER (ROADWAY) @ 2 " THICK (APPROX. 226.0 LBS./S.Y.)
   - 307-02.08 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "BM-2"
   - 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.05 - 0.10 GAL/S.Y.)
3. BITUMINOUS AGGREGATE BASE (ROADWAY) @ 6" THICK (APPROX. 690 LBS./S.Y.)
   - 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"
   - 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.05 - 0.10 GAL/S.Y.)
4. BITUMINOUS AGGREGATE BASE (ROADWAY) @ 3" THICK (APPROX. 270 LBS./S.Y.)
   - 307-01.21 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A-S"
   - 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30 - 0.35 GAL/S.Y.)
   - 402-02 AGGREGATE FOR COVER MATERIAL (PC) (RATE 12 LBS./S.Y.)
5. MINERAL AGGREGATE BASE (ROADWAY) @ 14" THICK
   - 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"
6. BITUMINOUS SURFACING (SHOULDERS) @ 1½" THICK (APPROX. 154.5 LBS./S.Y.)
   - 411-01.07 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "E"
   - 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30 - 0.35 GAL/S.Y.)
   - 402-02 AGGREGATE FOR COVER MATERIAL (PC) (RATE 12 LBS./S.Y.)
7. MINERAL AGGREGATE BASE (SHOULDERS) @ 10" THICK
   - 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"
8. BITUMINOUS AGGREGATE BASE (ROADWAY) @ 4" THICK (APPROX. 460 LBS./S.Y.)
   - 307-02.01 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A"
   - 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30 - 0.35 GAL/S.Y.)
   - 402-02 AGGREGATE FOR COVER MATERIAL (PC) (RATE 12 LBS./S.Y.)
9. NOT USED
10. BITUMINOUS SURFACING (ROADWAY) @ 1¼" THICK (APPROX. 132.5 LBS./S.Y.)
    - 411-01.10 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "D"
    - 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.05 - 0.10 GAL/S.Y.)
11. BITUMINOUS AGGREGATE BASE (ROADWAY) @ 4" THICK (APPROX. 360 LBS./S.Y.)
    - 307-01.21 ASPHALT CONCRETE MIX (PG70-22) (BPMB-HM) GRADING "A-S"
    - 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30 - 0.35 GAL/S.Y.)
    - 402-02 AGGREGATE FOR COVER MATERIAL (PC) (RATE 12 LBS./S.Y.)
12. CONCRETE DITCH LINING @ 4" THICK (ROADWAY DRAINAGE)
    - 703-01 CEMENT CONCRETE DITCH PAVING
13. PORTLAND CEMENT CONCRETE @ 10" THICK (ROADWAY AND SHOULDERS)
    - 501-01 PORTLAND CEMENT CONCRETE (PLAIN)
14. TREATED PERMEABLE BASE @ 4" THICK (ROADWAY AND SHOULDERS)
    - 313-03 TREATED PERMEABLE BASE
15. MINERAL AGGREGATE BASE @ 8" THICK (ROADWAY AND SHOULDERS)
    - 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"
16. BITUMINOUS SURFACING (GREENWAY) @ 2" THICK (APPROX. 206 LBS./S.Y.)
    - 411-01.11 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "E"
    - 402-01 BITUMINOUS MATERIAL FOR PRIME COAT (PC) (RATE 0.30 - 0.35 GAL/S.Y.)
    - 402-02 AGGREGATE FOR COVER MATERIAL (PC) (RATE 12 LBS./S.Y.)
17. MINERAL AGGREGATE BASE @ 6" THICK (GREENWAY)
    - 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"
18. MINERAL AGGREGATE BASE @ 4" THICK (DITCHES)
    - 303-01 MINERAL AGGREGATE, TYPE "A" BASE GRADING "D"
19. STANDARD VERTICAL COMBINED CONRCETE CURB & GUTTER, TYPE 6-30, D=11"
    - 702-03 CONCRETE COMBINED CURB & GUTTER (D=11") SEE STD. DWG. RP-VC-10 (0.08724 CUBIC YARDS / FOOT)
20. STANDARD VERTICAL COMBINED CONRCETE CURB & GUTTER, TYPE 6-30, D=10"
    - 702-03 CONCRETE COMBINED CURB & GUTTER (D=10") SEE STD. DWG. RP-VC-10 (0.07953 CUBIC YARDS / FOOT)
21. UNDERDRAIN
    - 710-02 AGGREGATE UNDERDRAIN (WITH PIPE)
22. 6" SLOPING CONCRETE CURBS
    - 702-01 CONCRETE CURB (0.03841 YD/LN FT) SEE STD DRAWING RP-SC-1
23. BITUMINOUS BINDER (ROADWAY) @ 2" THICK (APPROX. 226.0 LBS./S.Y.)
    - 307-01.08 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "BM-2"
    - 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.05 - 0.10 GAL/S.Y.)
24. BITUMINOUS AGGREGATE BASE (ROADWAY) @ 3" THICK (APPROX. 345 LBS./S.Y.)
    - 307-01.01 ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING "A"
    - 403-01 BITUMINOUS MATERIAL FOR TACK COAT (TC) (RATE 0.05 - 0.10 GAL/S.Y.)
25. 6" DETACHED CONCRETE CURBS
    - 702-01 CONCRETE CURB (0.02950 YD/LN FT) SEE STD DRAWING RP-VC-10

SEALED BY

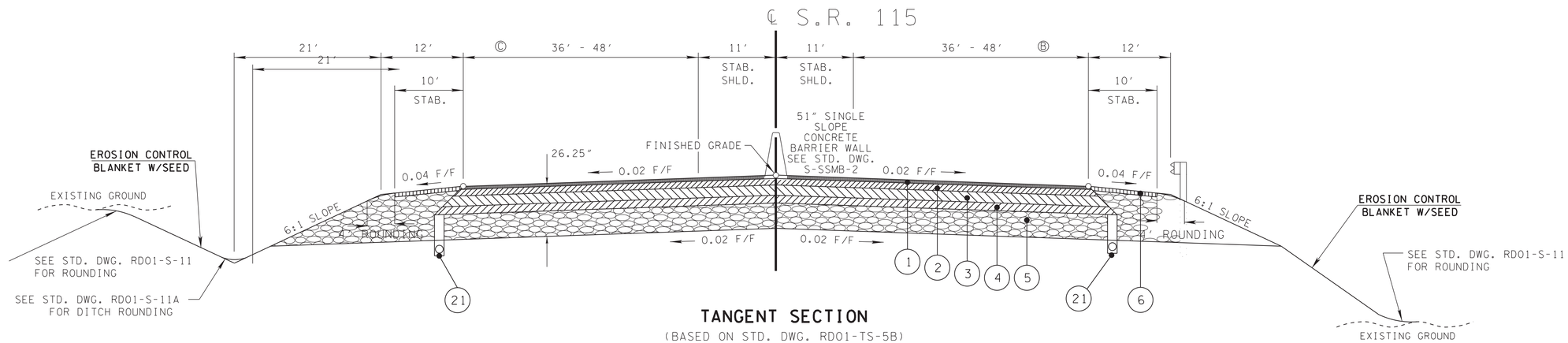


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND PAVEMENT SCHEDULE

2/9/2024 11:09:56 AM
L:\TDOT\00903\SHEETS - TYPICAL SECTIONS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	2A
CONST	2023	R-STP/NH-115(29)	2B1



TANGENT SECTION

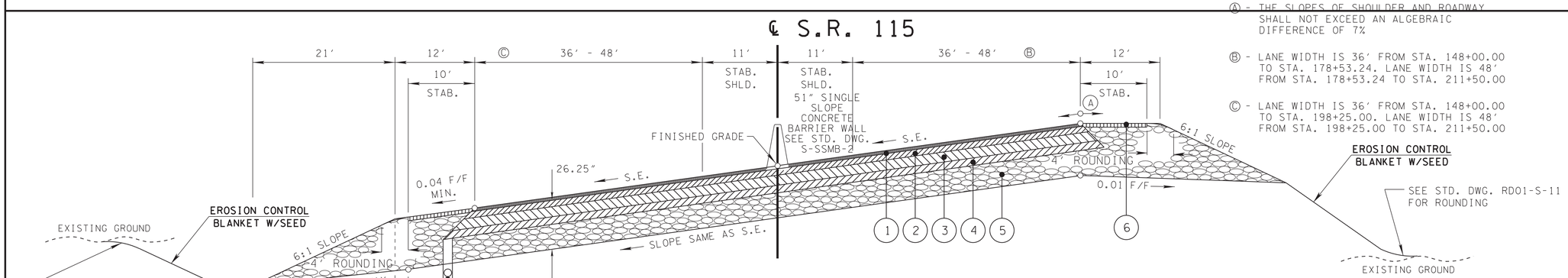
(BASED ON STD. DWG. RD01-TS-5B)

S.R. 115 (U.S. 129, ALCOA HIGHWAY)
STA 151+69.31 TO STA 153+79.15
STA 170+57.50 TO STA 193+07.82
STA 209+73.53 TO STA 211+41.10

Ⓐ - THE SLOPES OF SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%

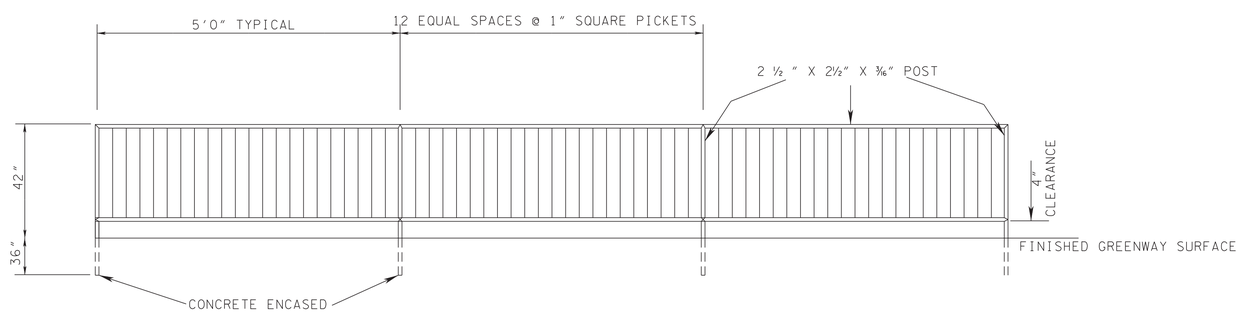
Ⓑ - LANE WIDTH IS 36′ FROM STA. 148+00.00 TO STA. 178+53.24. LANE WIDTH IS 48′ FROM STA. 178+53.24 TO STA. 211+50.00

Ⓒ - LANE WIDTH IS 36′ FROM STA. 148+00.00 TO STA. 198+25.00. LANE WIDTH IS 48′ FROM STA. 198+25.00 TO STA. 211+50.00



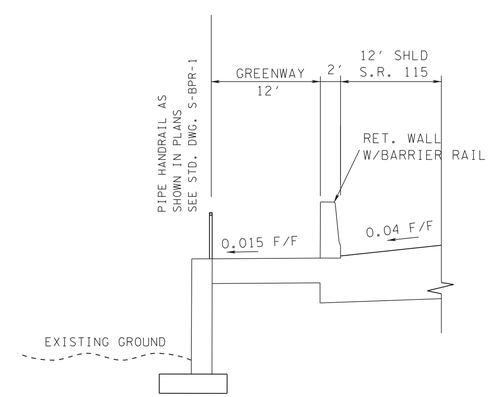
SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-5B)
S.R. 115 (U.S. 129, ALCOA HIGHWAY)
STA 148+00.00 TO STA 151+69.31
STA 153+79.15 TO STA 170+57.50
STA 193+07.82 TO STA 209+73.53



DETAIL OF PIPE HAND RAIL - SEE STANDARD DRAWING MM-BPR-1

NOTE: ALL JOINTS WELDED
SEE PROPOSED LAYOUT AND CROSS-SECTIONS FOR LOCATION.



DETAIL OF GREENWAY W/RETAINING WALL

STA 136+30.00 TO STA 146+00.00

SEALED BY

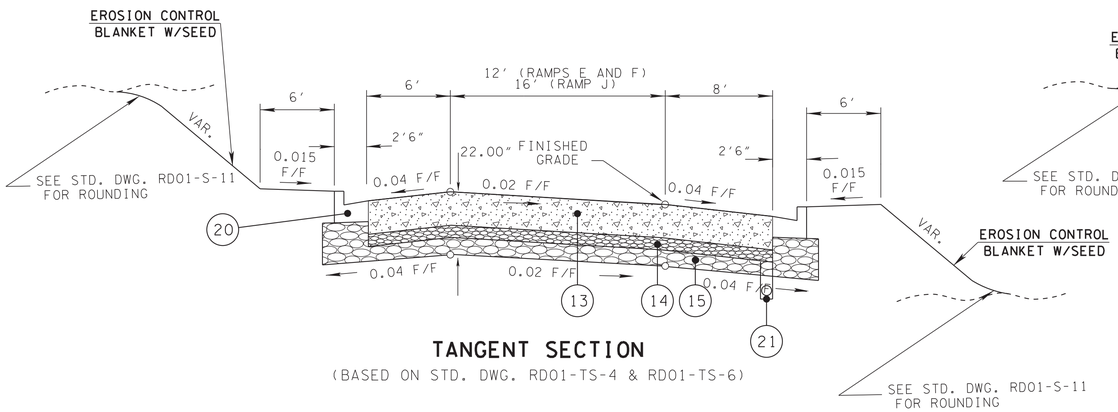
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

11/18/2022 2:25:07 PM
:\TDOT\00903\SHEETS - TYPICAL SECTIONS.SHT

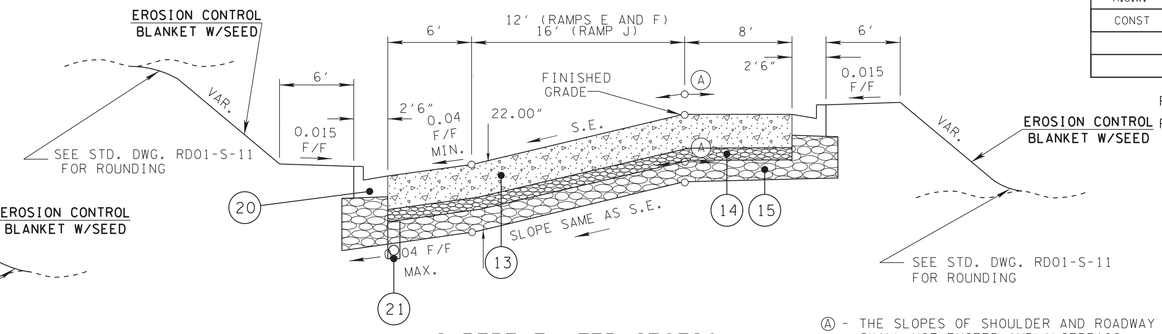
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	2B
CONST	2023	R-STP/NH-115(29)	2B2

REVISION 8-31-21
REMOVED RAMP 'G'.



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-4 & RD01-TS-6)



SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-4 & RD01-TS-6)

Ⓐ - THE SLOPES OF SHOULDER AND ROADWAY SHALL NOT EXCEED AND ALGEBRAIC DIFFERENCE OF 7%

RAMP E
STA 114+00.00 TO STA 115+86.64
STA 118+54.31 TO STA 124+03.30
STA 127+52.00 TO STA 127+73.66

RAMP F
STA 136+75.00 TO STA 137+75.00

RAMP H
STA 152+50.00 TO STA 153+13.48

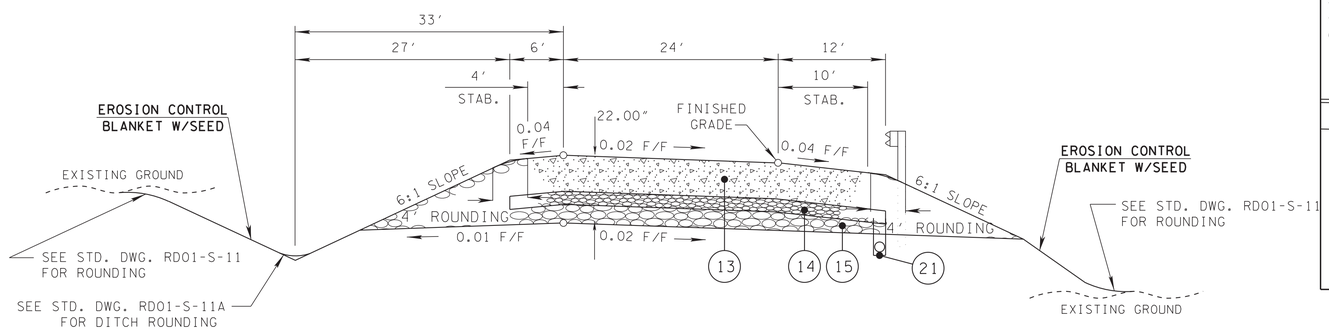
RAMP J
STA 189+71.37 TO STA 191+61.04

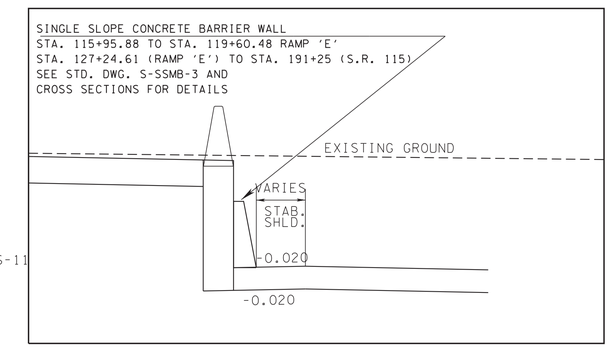
RAMP E
STA 115+86.64 TO STA 118+54.31
STA 124+03.30 TO STA 127+52.00

RAMP F
STA 131+75.00 TO STA 136+75.00

RAMP H
STA 150+25.00 TO STA 152+50.00

RAMP J
STA 191+61.04 TO STA 193+50.00





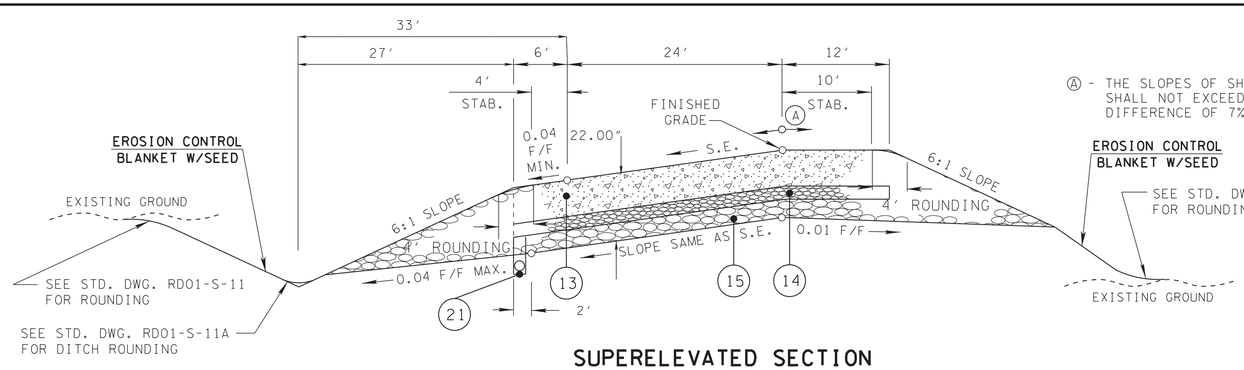
TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-4)

RAMP A
STA 56+82.95 TO STA 57+71.05
STA 62+43.39 TO STA 63+42.20

RAMP B
STA 66+00.00 TO STA 66+71.57
STA 76+51.70 TO STA 76+86.75

RAMP D
STA 97+25.26 TO STA 98+54.20
STA 103+74.81 TO STA 105+13.32



Ⓐ - THE SLOPES OF SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%

EROSION CONTROL BLANKET W/SEED
SEE STD. DWG. RD01-S-11 FOR ROUNDING

SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-4)

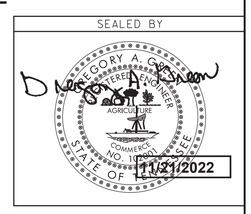
RAMP A
STA 57+71.05 TO STA 62+43.39

RAMP B
STA 66+71.57 TO STA 76+51.70
STA 76+86.75 TO STA 81+27.23

RAMP C
STA 77+12.24 TO STA 86+27.72

RAMP D
STA 93+00.00 TO STA 97+25.26
STA 98+54.20 TO STA 103+74.81

SEALED BY



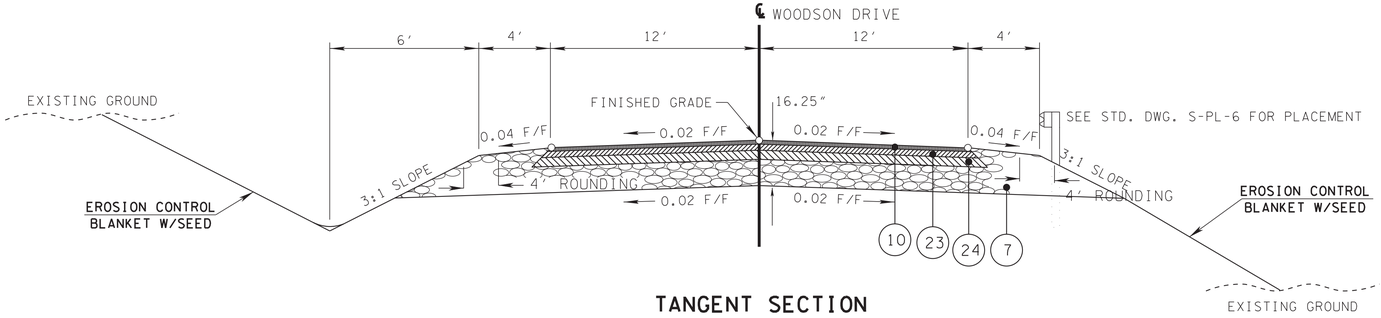
RAMPS A, B, C, D, E, F AND H

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

11/18/2022 2:25:07 PM
L:\TDOT\00903\SHEETS - TYPICAL SECTIONS.SHT

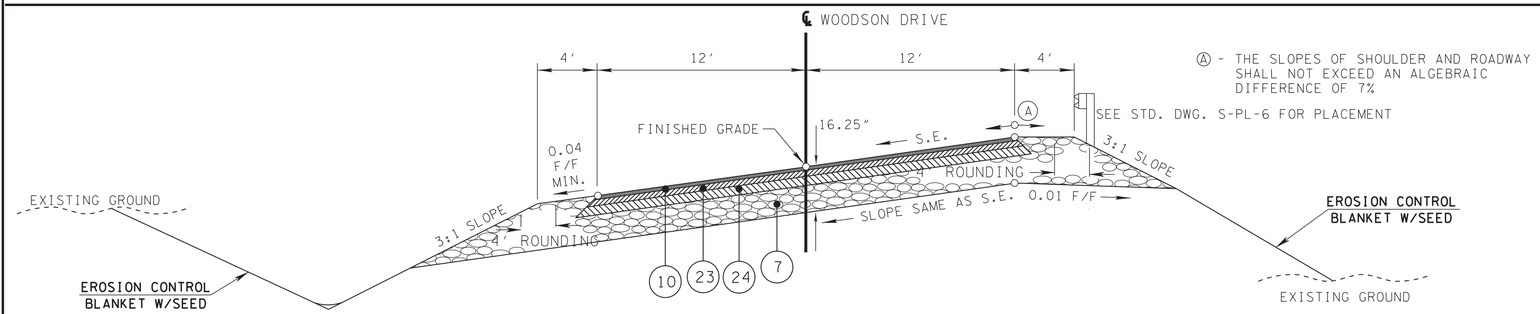
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	2C
CONST	2023	R-STP/NH-115(29)	2B3



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-1)

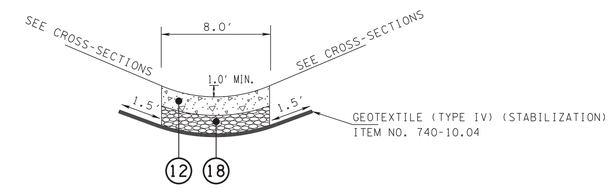
TANGENT WOODSON DRIVE
STA 12+36.62 TO STA 16+00.00



SUPERELEVATED SECTION

(BASED ON STD. DWG. RD01-TS-1)

SUPERELEVATION WOODSON DRIVE
STA 10+43.47 TO STA 12+36.62

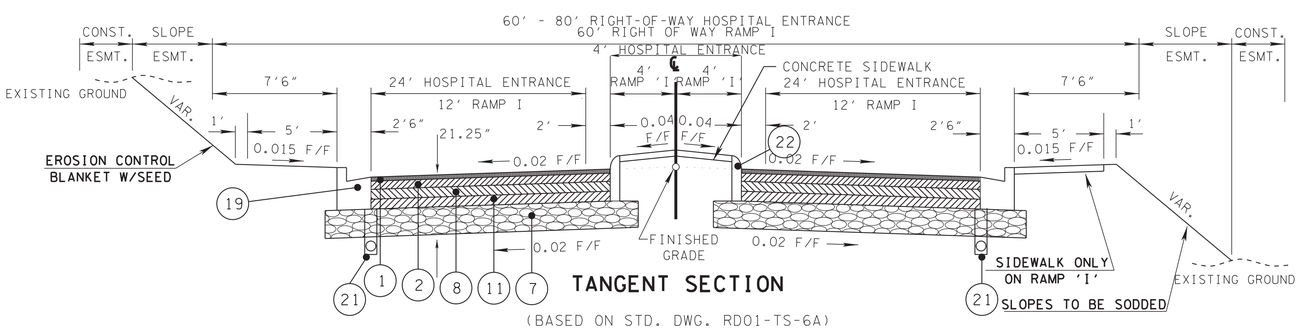


DETAIL OF 'V' CONCRETE DITCH

S.R. 115 (U.S. 129, ALCOA HIGHWAY)
LEFT OF STA. 182+00.00 TO STA. 191+25.00
LEFT OF STA. 204+75.00 TO STA. 209+25.00

RAMP 'B'
LEFT OF STA. 70+52.74 TO STA. 74+43.29

RAMP 'C'
LEFT OF STA. 79+70.56 TO STA. 83+36.36



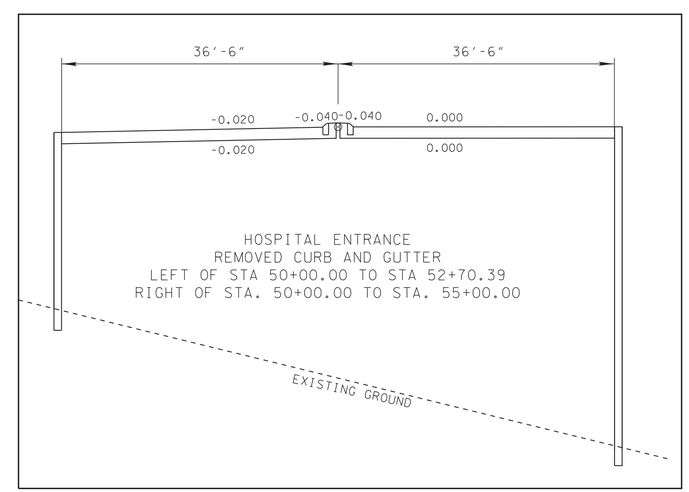
TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-6A)

HOSPITAL ENTRANCE (24' PAVEMENT)
STA 50+00.00 TO STA 60+83.39

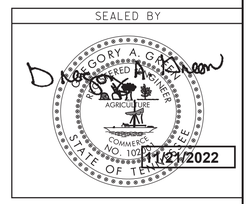
HOSPITAL ENTRANCE (12' PAVEMENT)
STA 60+83.39 TO STA 63+15.65

RAMP I (12' PAVEMENT)
STA 201+10.00 TO STA 205+01.04



HOSPITAL ENTRANCE
REMOVED CURB AND GUTTER
LEFT OF STA 50+00.00 TO STA 52+70.39
RIGHT OF STA. 50+00.00 TO STA. 55+00.00

SEALED BY



WOODSON DRIVE
HOSPITAL ENTRANCE
SOUTH ENTRANCE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

11/18/2022 2:25:07 PM
E:\TDOT\00903\SHEETS - TYPICAL SECTIONS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	2D
CONST.	2023	R-STP/NH-115(29)	2B4

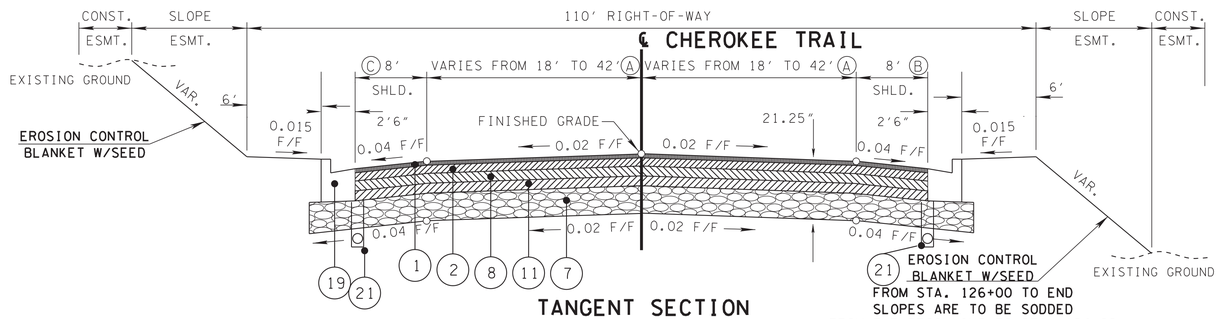
REVISION 8-31-21

ADDED WYE WAY LANE TYPICAL SECTION.
REVISE CHEROKEE TRAIL TYPICAL SECTION.

Ⓐ LANE VARIES FROM 18′ AT STA. 100+00.00 TO 36′ AT STA. 102+00.00
LANE IS 36′ FROM STA. 102+00.00 TO STA. 107+80.00
LANE VARIES FROM 36′ AT STA. 107+80.00 TO 30′ AT STA. 110+00.00
LANE IS 30′ FROM STA. 110+00.00 TO STA. 116+50.00
LANE VARIES FROM 30′ AT STA. 116+50.00 TO 42′ AT STA. 121+20.00
LANE IS 42′ FROM STA. 121+20.00 TO STA. 128+50.00
LANE VARIES FROM 42′ AT STA. 128+50.00 TO 24′ AT STA. 134+00.00
LANE IS 24′ FROM STA. 134+00.00 TO STA. 135+00.00
LANE VARIES FROM 24′ AT STA. 135+00.00 TO 12′ AT STA. 136+80.00
LANE IS 12′ FROM STA. 136+00.00 TO STA. 139+50.00

Ⓑ SHOULDER IS 15′ - 10½″ WIDE FROM STA. 122+65.00 TO STA. 127+45.00

Ⓒ SHOULDER VARIES FROM 8′ AT STA. 122+85.48 TO 15′ - 101#2″ AT STA. 124+00.00
SHOULDER IS 15′ - 10½″ WIDE FROM STA. 124+00.00 TO STA. 127+45.00

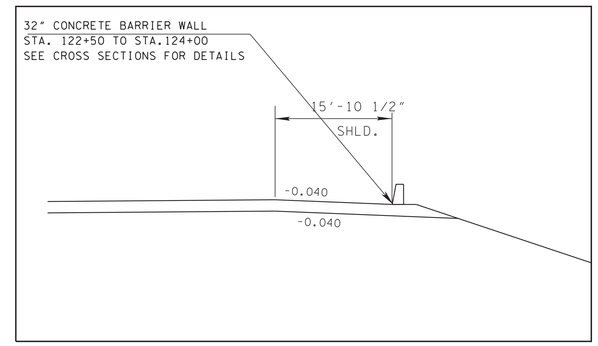


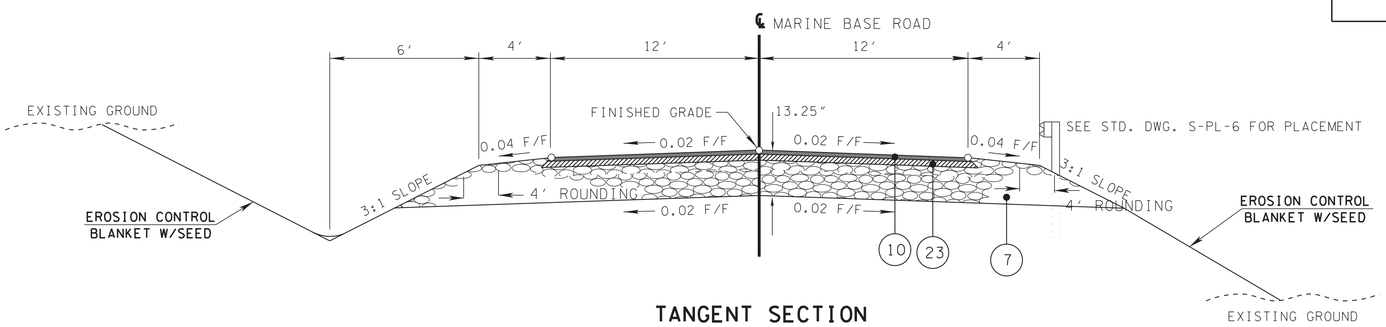
TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-6)

TANGENT
STA 100+00.00 TO STA 100+87.09
STA 107+80.72 TO STA 115+65.73
STA 122+95.18 TO STA 130+14.49
STA 134+20.17 TO STA 139+50.00

SUPERELEVATION
STA 100+87.09 TO STA 107+80.72
STA 115+65.73 TO STA 122+95.18
STA 130+14.49 TO STA 134+20.17





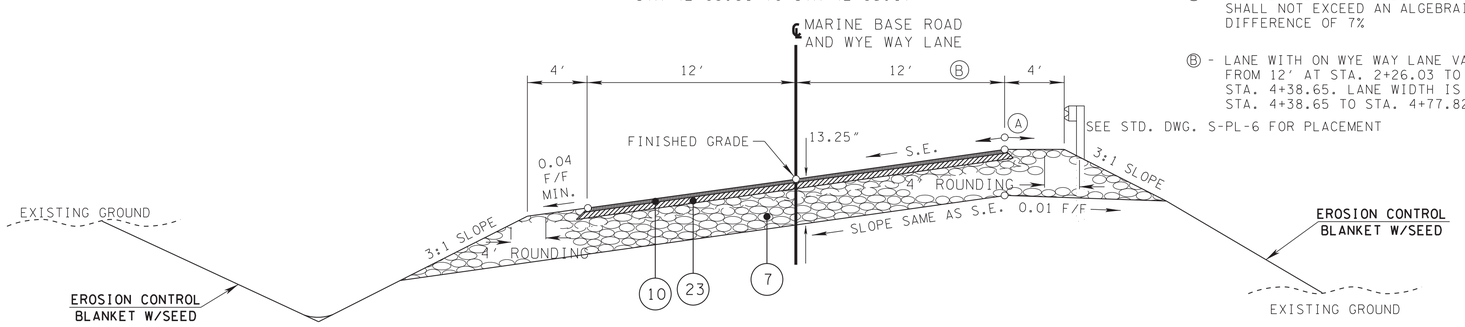
TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-1)

TANGENT MARINE BASE ROAD
STA 10+00.00 TO STA 10+81.85
STA 13+15.95 TO STA 16+62.79
STA 34+76.59 TO STA 37+24.68
STA 42+09.81 TO STA 42+95.17

Ⓐ - THE SLOPES OF SHOULDER AND ROADWAY SHALL NOT EXCEED AN ALGEBRAIC DIFFERENCE OF 7%

Ⓑ - LANE WITH ON WYE WAY LANE VARIES FROM 12′ AT STA. 2+26.03 TO 8′ AT STA. 4+38.65. LANE WIDTH IS 8′ FROM STA. 4+38.65 TO STA. 4+77.82

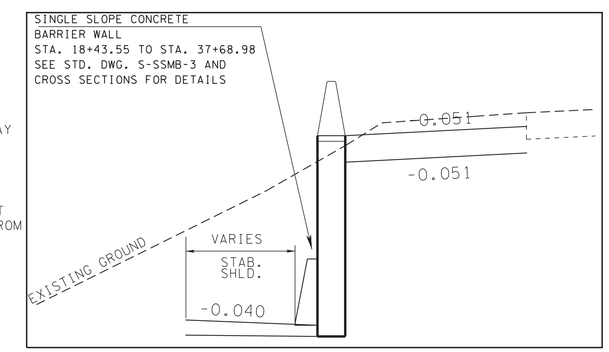


SUPERELEVATED SECTION

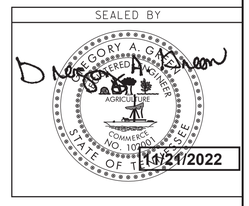
(BASED ON STD. DWG. RD01-TS-1)

SUPERELEVATION MARINE BASE ROAD
STA 10+81.85 TO STA 13+15.95
STA 16+62.79 TO STA 34+76.59
STA 37+24.68 TO STA 42+09.81

SUPERELEVATION WYE WAY LANE
STA 0+75.00 TO STA 4+77.82



SEALED BY



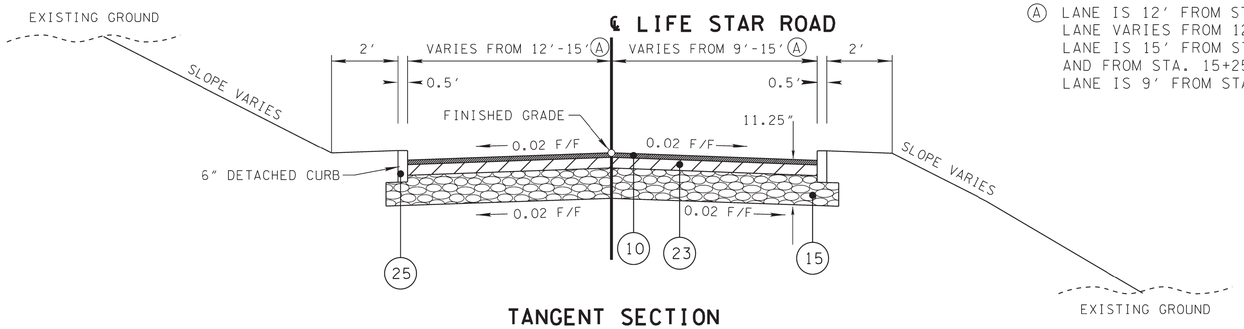
CHEROKEE TRAIL, MARINE BASE ROAD AND WYE WAY LANE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

11/18/2022 2:25:08 PM
L:\TDOT\00903\SHEETS - TYPICAL SECTIONS.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	2E
CONST.	2023	R-STP/NH-115(29)	2B5



TANGENT SECTION

(BASED ON STD. DWG. RD01-TS-1A)
LIFE STAR ROAD

(A) LANE IS 12′ FROM STA. 10+00.00 TO STA. 14+50.00
LANE VARIES FROM 12′ AT STA. 14+50.00 TO 15′ AT STA. 15+25.00
LANE IS 15′ FROM STA. 15+25.00 TO STA. 29+90.00 TO THE LEFT
AND FROM STA. 15+25.00 TO STA. 28+96.71 TO THE RIGHT.
LANE IS 9′ FROM STA. 28+96.71 TO STA. 29+90.00 TO THE RIGHT

REVISION 6-3-21

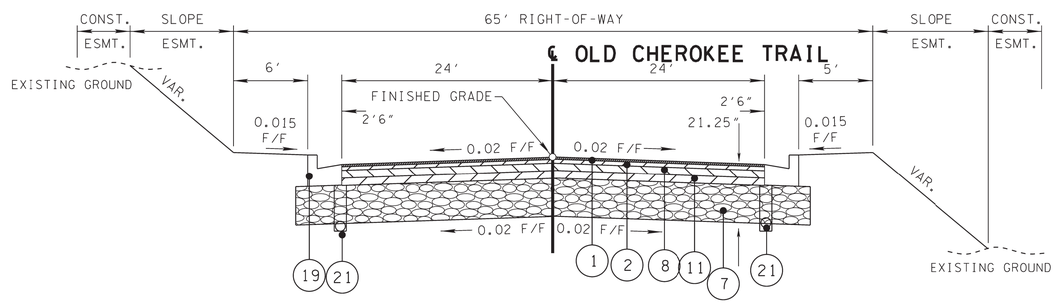
ADDED SHEET TO PLANS.

REVISION 8-31-21

ADDED OLD CHEROKEE TRAIL TYPICAL SECTION.

REVISION 3-29-24

REMOVED SIDEWALKS FROM OLD CHEROKEE TRAIL TYPICAL SECTION.



TANGENT SECTION

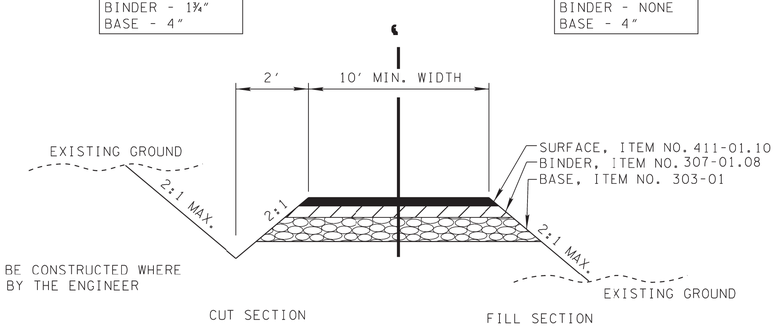
(BASED ON STD. DWG. RD01-TS-6A)
STA 100+00.00 TO STA 103+00.00

BUSINESS

SURFACE - 1¼″
BINDER - 1¾″
BASE - 4″

FIELD OR RESIDENTIAL

SURFACE - 1½″
BINDER - NONE
BASE - 4″



NOTE: DITCH TO BE CONSTRUCTED WHERE DIRECTED BY THE ENGINEER

TYPICAL SECTION

PRIVATE DRIVE TO BUSINESS,
FIELD, OR RESIDENTIAL PROPERTY

SEALED BY

GREGORY A. GRANDSTAFF
REGISTERED ENGINEER
ASSOCIATE
COMMERCE
NO. 102001
STATE OF TENNESSEE

3/27/2024

LIFE STAR ROAD
OLD CHEROKEE TRAIL

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

3/27/2024 7:23:15 AM
:\TDOT\00903\SHEETS - TYPICAL SECTIONS.SHT

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.

(2) CERTIFICATION FOR ALL BORROW PITS MUST BE OBTAINED IN ACCORDANCE WITH SUBSECTION 107.06 OF THE STANDARD SPECIFICATIONS.

(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

(1) ALL EXISTING ROADS WITHIN THE RIGHT-OF-WAY AND NOT IN THE GRADED AREA THAT ARE TO BE ABANDONED SHALL BE SCARIFIED, OBLITERATED, TOPSOILED AND SEEDED. SCARIFYING AND OBLITERATING THE PAVEMENT WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS. TOPSOIL, IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 203-04 AND/OR 203-07. SEEDING, IN ACCORDANCE WITH SECTION 801 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 801-01.

(2) SOD SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS TO PREVENT DAMAGE TO ADJACENT FACILITIES AND PROPERTY DUE TO EROSION ON ALL NEWLY GRADED CUT AND FILL SLOPES AS WORK PROGRESSES.

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

(4) ITEM NO. 801-02, SEEDING (WITHOUT MULCH) AND EROSION CONTROL BLANKET, SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS AS WELL AS LOCATIONS DIRECTED BY THE ENGINEER.

GUARDRAIL

(1) THE CONTRACTOR SHALL NOT REMOVE ANY SECTIONS OF EXISTING GUARDRAIL TO REWORK SHOULDERS OR FLATTEN SLOPES UNTIL THE ENGINEER CONCURS IN THE NECESSITY OF REMOVAL DUE TO CONSTRUCTION REQUIREMENTS AND THE APPROPRIATE WARNING DEVICES ARE INSTALLED. THE PROPOSED GUARDRAIL, INCLUDING ANY ANCHOR SYSTEM, SHALL BE INSTALLED QUICKLY TO MINIMIZE TRAFFIC EXPOSURE TO ANY HAZARD. NO PAYMENT WILL BE MADE FOR A SECTION OF PROPOSED GUARDRAIL, INCLUDING ANCHORS, UNTIL IT IS COMPLETE IN PLACE.

(2) IF ANY APPROACH END OF A SECTION OF GUARDRAIL OR BRIDGE RAIL MUST TEMPORARILY BE LEFT INCOMPLETE AND EXPOSED TO TRAFFIC, THE CONTRACTOR SHALL USE TWO (2) TEMPORARY BARRICADES OR DRUMS WITH TYPE "A" LIGHTS AND ROUNDED END ELEMENTS AS MINIMUM MEASURES TO PROTECT TRAFFIC FROM THE HAZARD OF AN EXPOSED END. ALL COST OF FURNISHING AND INSTALLING TEMPORARY BARRICADES OR DRUMS WITH TYPE "A" LIGHTS TO DELINEATE GUARDRAIL END AND A TEMPORARY ROUNDED END ELEMENT SHALL BE INCLUDED IN THE COST OF THE PROPOSED GUARDRAIL END TERMINAL.

(3) GUARDRAIL IS TO BE COMPLETE IN PLACE BEFORE THE MAINLINE ROADWAY IS OPENED TO TRAFFIC.

DRAINAGE

(1) THE CONTRACTOR SHALL SHAPE DITCHES TO THE SPECIFIED DESIGN. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

(2) EXCAVATION FOR CULVERT, CATCHBASINS, MANHOLES, JUNCTION BOXES AND ENDWALLS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE (CHOOSE THE APPLICABLE ITEM(S) FROM THE FOLLOWING: PIPE CULVERTS, STORM SEWERS, CONDUITS, ALL OTHER CULVERTS AND MINOR STRUCTURES).

(3) CULVERT EXCAVATION FOR CONCRETE BOX OR SLAB TYPE CULVERTS OR BRIDGES WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

(4) THE CUTTING OF INLET AND OUTLET DITCHES WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER WILL BE MEASURED AND PAID FOR AS ITEM NO. 203-01 ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED).

(5) WHERE A CULVERT (PIPE, SLAB OR BOX) IS MOVED TO A NEW LOCATION OTHER THAN THAT SHOWN ON THE PLANS, INCREASING OR DECREASING THE AMOUNT OF CULVERT EXCAVATION WILL NOT RESULT IN AN INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT THAT WILL BE MADE DUE TO SUCH CHANGE.

(6) DURING CONSTRUCTION OF DRAINAGE STRUCTURES ALL COST ASSOCIATED WITH MAINTAINING THE FLOW OF WATER AND TRAFFIC, AT THESE STRUCTURES, DURING THE PHASED CONSTRUCTION OF THIS PROJECT ARE TO BE INCLUDED IN THE UNIT PRICE OF THE DRAINAGE STRUCTURES AND TRAFFIC CONTROL ITEMS.

(7) ALL EXISTING PIPES AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER THAT ARE TO BE LEFT IN PLACE AND ABANDONED MUST BE BACKFILLED AND PLUGGED. ALL COST FOR THIS WORK SHALL BE INCLUDED IN ITEM NO. 204-08.01, BACKFILL MATERIAL (FLOWABLE FILL), C.Y.

FENCING

(1) LOCATION OF THE FENCE SHALL BE ONE FOOT INSIDE THE RIGHT-OF-WAY EXCEPT WHERE SHOWN OTHERWISE ON THE PLANS.

(2) FENCES SHALL BE TURNED IN AT DRAINAGE STRUCTURES, STOCK PASSES AND BRIDGES WHERE DIRECTED BY THE ENGINEER SO AS TO ABUT WINGWALLS AND/OR ABUTMENTS.

(3) THE CONTRACTOR SHALL GIVE THE AFFECTED PROPERTY OWNERS A TWO-WEEK NOTICE PRIOR TO CUTTING FENCES.

(4) THE CONTRACTOR SHALL BE REQUIRED TO INSTALL ACCESS CONTROL FENCES PRIOR TO CUTTING EXISTING STOCK FENCES IN AREAS UTILIZED BY DOMESTIC LIVESTOCK OR OTHER AREAS AS DIRECTED BY THE ENGINEER.

MISCELLANEOUS

(1) ALL DETOUR, ACCESS, SERVICE AND FRONTAGE ROADS SHALL BE CONSTRUCTED WITH A MINIMUM OF ONE (1) COURSE OF BASE MATERIAL BEFORE TRAFFIC IS INTERRUPTED ON EXISTING ROADS.

(2) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES AND POSTS WHERE AND AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN PRICE BID FOR OTHER CONSTRUCTION ITEMS.

(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.

ROAD CLOSURE

(1) NO LESS THAN SEVEN (7) DAYS PRIOR TO THE CLOSURE OF THE ROAD, THE CONTRACTOR SHALL NOTIFY THE FOLLOWING INDIVIDUALS OR AGENCIES COMPLETELY DESCRIBING THE AFFECTED ROADS AND THE APPROXIMATE DURATION OF THE CONSTRUCTION: THESE PARTIES INCLUDE, BUT ARE NOT LIMITED TO: (1) LOCAL LAW ENFORCEMENT OFFICE, (2) LOCAL FIRE DEPARTMENT, (3) AMBULANCE SERVICE, (4) LOCAL SCHOOL SUPERINTENDENT, (5) UNITED STATES POSTAL SERVICE, AND (6) LOCAL ROAD SUPERINTENDENT.

PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKINGS ON INTERMEDIATE LAYERS

(1) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4" LINE), L.M.

(2) TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.02, PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F.

(3) WIDE (8 INCH) TEMPORARY PAVEMENT MARKING LINE WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.02 PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F.

FINAL PAVEMENT MARKING

(4) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 6" ENHANCED FLATLINE THERMOPLASTIC INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-12.02, ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE), L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK AND THEN INSTALLING THE PERMANENT MARKINGS AFTER THE PAVING OPERATION IS COMPLETED. THE TEMPORARY MARKINGS FOR THE FINAL SURFACE WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COSTS ARE TO BE INCLUDED IN THE PRICE BID FOR THE PERMANENT MARKINGS.

(5) PERMANENT PAVEMENT LINE MARKINGS SHALL BE REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.01, PAINTED PAVEMENT MARKING (4IN LINE), L.M.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(6) THE PAVEMENT MARKING ON THE LANE SHIFTS FOR ALCOA HIGHWAY NORTHBOUND AND SOUTHBOUND AND CHEROKEE TRAIL WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO.715-05.20 PAINTED PAVEMENT MARKING (6" LINE), L.M.

SNOWPLOWABLE REFLECTIVE PAVEMENT MARKERS

(7) REMOVE EXISTING SNOWPLOWABLE MARKERS PRIOR TO PAVING AND/OR COLD PLANING. REMOVE ALL ADHESIVES PRIOR TO PAVING. PATCH ANY HOLES OR DIVOTS RESULTING FROM THE REMOVAL OF A MARKER IN A MANNER WHICH ENSURES A UNIFORM PAVED SURFACE. PATCH WORK SHALL BE INCLUDED WITH COST OF OTHER ITEMS OF CONSTRUCTION.

PAVEMENT

PAVING

(1) THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE DIRECTION OF TRAFFIC.

(2) THE CONTRACTOR SHALL BE REQUIRED TO COLD PLANE AND PAVE IN THE DIRECTION OF TRAFFIC.

(3) THE CONTRACTOR SHALL ATTACH A DEVICE TO THE SCREED OF THE PAVER SUCH THAT MATERIAL IS CONFINED AT THE END GATE AND EXTRUDES THE ASPHALT MATERIAL IN SUCH A WAY THAT RESULTS IN A CONSOLIDATED WEDGE-SHAPE PAVEMENT EDGE OF APPROXIMATELY 25 TO 30 DEGREES AS IT LEAVES THE PAVER (MEASURED FROM A LINE PARALLEL TO THE PAVEMENT SURFACE.) THE DEVICE SHALL MEET THE REQUIREMENTS THAT ARE CURRENTLY SET FORTH IN SPECIAL PROVISION 407SE.

SIGNING

(1) THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL FLAT SHEET SIGNS SHALL BE APPLIED BY SILK SCREENING PROCESS, EXCEPT THAT CUT-OUT DIRECT APPLIED COPY SHALL BE USED ON ALL FLAT SHEET SIGNS WITH A GREEN BACKGROUND. THE LETTERS, DIGITS, ARROWS, BORDERS, AND ALPHABET ACCESSORIES ON ALL EXTRUDED PANEL SIGNS SHALL BE DEMOUNTABLE AND ATTACHED TO THE SIGN FACE, AS OUTLINED IN THE STANDARD SPECIFICATIONS. ALL SHIELDS ON GUIDE SIGNS SHALL BE DEMOUNTABLE AND ATTACHED TO THE SIGN FACE AS OUTLINED IN THE STANDARD SPECIFICATIONS.

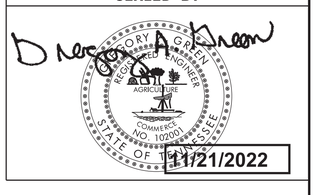
(2) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE LENGTHS WERE COMPUTED FROM THE CROSS-SECTIONS CONTAINED IN THE CONSTRUCTION PLANS. IN THE EVENT THE SUPPORT LENGTHS ARE 2 FEET SHORTER OR LONGER THAN SHOWN ON THE PLANS, THE ENGINEER SHALL VERIFY THE SUPPORT TYPE WITH THE TRAFFIC OPERATIONS DIVISION, SIGNING SECTION, TELEPHONE NO. (615)-741-0802. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ORDERING MATERIAL.

(3) THE TOP OF THE SIGN FOOTINGS SHALL BE PLACED LEVEL WITH THE GROUND LINE.

(4) AFTER THE SIGN LOCATIONS HAVE BEEN STAKED, BUT PRIOR TO ORDERING ANY MATERIAL FOR THE SUPPORTS, THERE SHALL BE A FIELD INSPECTION AND APPROVAL BY THE REGIONAL CONSTRUCTION OFFICE.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	2C

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

11/18/2022 2:25:08 PM
L:\TDOT\00903\GENERAL NOTES.sht

(5) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH LAYOUT DRAWINGS OF ALL EXTRUDED PANEL SIGNS WITH SPACING OF ALL LETTERS, NUMERALS, SHIELDS, AND ARROWS. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE TRAFFIC OPERATIONS DIVISION, SIGNING SECTION (TDOT.TrafficOps.Sign-Reviews@tn.gov) FOR REVIEW. ONE PDF SET OF THE LAYOUT DRAWINGS SHALL BE SENT TO THE REGIONAL SIGN DESIGNER FOR REVIEW.

(6) ALL SIGNS MARKED "TO BE REMOVED" ARE TO BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER ITEM NO. 713-15 AND BECOME THE PROPERTY OF THE CONTRACTOR.

(7) THE EXISTING FOOTINGS ARE TO BE REMOVED 6 INCHES BELOW GROUND LINE.

(8) THE LENGTHS OF ALL SIGN SUPPORTS SHOWN ON THE SIGN SCHEDULE ARE APPROXIMATE AND ARE FOR ESTIMATING PURPOSES ONLY. THE CONTRACTOR SHALL VERIFY ALL SUPPORT LENGTHS AT THE SITE PRIOR TO ERECTION.

TRAFFIC CONTROL DIRECTIONAL SIGNING

(1) ON ALL ACCESS CONTROLLED AND INTERSTATE RECONSTRUCTION AND NEW CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL UTILIZE ALL EXISTING DIRECTIONAL SIGNING FOR AS LONG AS POSSIBLE. THESE EXISTING SIGNS CAN BE MOVED USING TEMPORARY SUPPORTS AS NEEDED. AS SOON AS THESE EXISTING DIRECTIONAL SIGNS COME DOWN PERMANENTLY, THE CONTRACTOR SHALL HAVE UP AT LEAST ONE NEW TEMPORARY "ADVANCE GUIDE SIGN" AND ONE NEW TEMPORARY "EXIT DIRECTIONAL SIGN" AT ALL EXIT RAMPS. THESE SIGNS ARE TO BE MAINTAINED WITHIN CLEAR VIEW OF THE PUBLIC ON THE RIGHT SIDE OF THE HIGHWAY AND SHALL BE REPLACED IF DAMAGED, DURING ALL PHASES OF CONSTRUCTION, AS DIRECTED BY THE ENGINEER.

(2) THE SIZE OF THESE NEW TEMPORARY SIGNS WILL BE DETERMINED BY THE MESSAGE. THE MESSAGE SHALL BE THE SAME AS THE EXISTING SIGN THAT THESE NEW TEMPORARY SIGNS WILL BE REPLACING. THE LETTER SIZE SHALL BE A MINIMUM OF 8 INCH, "D" UPPER CASE LETTER. THE DIRECTIONAL ARROW WILL BE A "B" ARROW AT A 45 DEGREE ANGLE (SAME ANGLE AS THE EXISTING ARROW). THE MATERIAL SHALL BE 0.100 INCH SHEET ALUMINUM; THE COLOR SHALL BE A REFLECTIVE GREEN BACKGROUND WITH REFLECTIVE WHITE COPY.

(3) ALL WORK AND MATERIAL TO MAKE THESE NEW TEMPORARY DIRECTIONAL SIGNS ALONG WITH ADEQUATE SUPPORTS AND TO MOVE THEM AS NEEDED DURING EACH PHASE OF CONSTRUCTION WILL BE PAID FOR UNDER ITEM NO. 712-06, SIGNS (CONSTRUCTION) , AS DIRECTED BY THE ENGINEER.

(4) SOME OF THESE DIRECTIONAL SIGNS WILL NEED AN INTERSTATE, U.S., OR A STATE HIGHWAY SHIELD, A CARDINAL DIRECTION, AND A DIRECTION ARROW TO ACCOMPANY THE DIRECTIONAL SIGN. THESE SIGNS SHALL BE MOUNTED BELOW THE DIRECTIONAL SIGN.

(5) ALL EXISTING "EMERGENCY REFERENCE MARKERS" AND "HOSPITAL SIGNS" SHALL BE MAINTAINED WITHIN FULL VIEW OF THE MOTORING PUBLIC THROUGHOUT ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING AND TEMPORARY SUPPORTS SHALL BE PAID FOR UNDER ITEM NO. 713-16.41, RELOCATE SIGN, LS .

SIGNALIZATION

(1) EQUIPMENT AND INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH TDOT STANDARD SPECIFICATIONS, SECTION 730.

(2) EQUIPMENT AND INSTALLATION SHALL COMPLY WITH THE TDOT "SPECIAL PROVISIONS REGARDING SECTION 730K-TRAFFIC SIGNALS."

(3) SALVAGEABLE EQUIPMENT SHALL BECOME THE PROPERTY OF THE (CITY OR COUNTY) AND SHALL BE STOCKPILED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICKUP BY THE (CITY OR COUNTY).

(4) ANY SIGNAL HEADS, WHEN VISIBLE TO DRIVERS BUT NOT OPERATIONAL, SHALL BE COMPLETELY COVERED.

(5) AN ADVANCE FLASH OPERATION PERIOD IS REQUIRED TO MAKE MOTORISTS AWARE OF THE PRESENCE OF NEW SIGNAL HEADS. NEW SIGNAL HEADS SHALL BE PUT IN FLASH OPERATION FOR MINIMUM OF SEVEN (7) CALENDAR DAYS UP TO FOURTEEN (14) CALENDAR DAYS PRIOR TO ACTIVATION OF NORMAL TRAFFIC SIGNAL OPERATION. OTHER FLASH OPERTATION TIME PERIODS MAY BE CONSIDERED UPON WRITTEN

(6) THE PROJECT ENGINEER SHALL NOTIFY THE LOCAL GOVERNMENTAL AGENCY RESPONSIBLE FOR TRAFFIC CONTROL MAINTENANCE AT LEAST ONE DAY IN ADVANCE OF THE COLD PLANING ACTIVITY AT SIGNALIZED INTERSECTIONS WHERE DETECTOR LOOPS ARE ON THE PAVEMENT. THE MAINTAINING AGENCY WILL THEN BE RESPONSIBLE FOR DISCONNECTING THE LOOP DETECTORS AND MAKING ANY NECESSARY TIMING ADJUSTMENTS IN THE SIGNAL CONTROLLER PRIOR TO THE CONSTRUCTION.

(7) LOOPS SHALL BE INSTALLED IN THE LEVELING COURSE IF A LEVELING COURSE IS PROVIDED.

9-170.00

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.

(8) ALL DETOURS SHALL BE PAVED, STRIPED, SIGNED, AND FLEXIBLE DRUMS ARE TO BE IN PLACE BEFORE IT IS OPENED TO TRAFFIC.

(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 JANUARY 1, 2015 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.

(4) EXISTING FOUNDATIONS TO BE REMOVED A MINIMUM OF SIX INCHES BELOW GRADE.

(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 LATEST EDITION OF THE STANDARD 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 80-MPH WIND PRESSURE 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.

(10) BRACKET ARMS SHALL BE ROUND TAPERED TRUSS TYPE WITH STRAP MOUNTING AND LENGTHS AS SCHEDULED.

(11) BRACKET ARM UPSWEEP SHALL BE THE SAME FOR ALL LIGHT STANDARDS OF THE SAME TYPE.

KEY STAKEHOLDERS CONTACT PERSONS

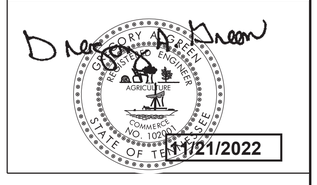
(1) UNIVERSITY OF TENNESSEE PROPERTIES –
TONY HOPSON 9865) 974-2441

(2) UNIVERSITY OF TENNESSEE MEDICAL CENTER -
KEITH NEELEY (865) 305-5635

(3) NAVY CENTER – COMMANDER BENJAMIN TURNER (202) 685-9345

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	2C1

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

11/18/2022 2:26:16 PM
L:\TDOT\00903\GENERAL NOTES.sht

SPECIAL NOTE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	2D

REV. 5-5-23

REMOVED RETAINING WALL HEADER AND THE THREE RETAINING WALL NOTES.

GRADING

(1) THE GRADING TABULATIONS AND RESULTING EARTHWORK ASSOCIATED BID QUANTITIES WERE PREPARED UTILIZING AVAILABLE GEOTECHNICAL INFORMATION AND/OR REPORTS PREPARED FOR THIS PROJECT. THIS INFORMATION IS PROVIDED FOR GENERAL INFORMATION AND ESTIMATION GUIDANCE ONLY.

(2) BORING DEPICTIONS SHOWN ON THE FOUNDATION DATA SHEETS, SOILS SHEETS, PLANS, AND CROSS-SECTIONS INDICATE SOIL AND ROCK CONDITIONS AT THE SPECIFIC BORING LOCATIONS. ANY SOIL PROFILE AND/OR ROCK LINE IS INTERPRETIVE BASED ON THE JUDGMENT OF THE GEOTECHNICAL ENGINEER/GEOLOGIST. THE TRANSITION BETWEEN BORINGS AND LAYERS MAY VARY SIGNIFICANTLY DEPENDING ON THE GEOLOGIC FORMATIONS ENCOUNTERED.

(3) TO ASSIST IN BID PREPARATION FOR EARTHWORK AND FOUNDATION CONSTRUCTION, DETAIL ROCK AND SOIL DESCRIPTION AND ON SOME PROJECTS, ROCK CORE SAMPLES ARE AVAILABLE FOR INSPECTION AT THE MATERIALS AND TESTS HEADQUARTERS AT 6601 CENTENNIAL BOULEVARD, NASHVILLE, TN OR AT THE TDOT REGION 1 BUILDING IN KNOXVILLE, TN.

(4) THE CONTRACTOR SHALL UTILIZE ALL INFORMATION PROVIDED IN THE PLANS, CROSS-SECTIONS AND CONTRACT DOCUMENTS INCLUDING ANY SPECIAL PROVISIONS AS WELL AS UTILIZING HIS PAST EXPERIENCE WITH PROJECTS OF SIMILAR NATURE, SCOPE AND LOCATION IN PREPARATION OF HIS BID FOR EARTHWORK ITEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE EQUIPMENT AND MEANS NECESSARY TO CONDUCT THE EXCAVATION ACTIVITIES IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

(5) EARTHWORK IS PAID FOR UNDER ITEM NO. 203-01, ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED). NO ADDITIONAL PAYMENT WILL BE MADE FOR EARTHWORK QUANTITIES BASED SOLELY ON A CLAIM THAT THE QUANTITIES SHOWN IN THE GRADING TABULATION OR ELSEWHERE IN THE PLANS ARE INACCURATE WITH RESPECT TO THE TYPE OF MATERIALS ENCOUNTERED DURING CONSTRUCTION EXCEPT AS PROVIDED FOR BY SECTION 104.02 IN THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR AS AMENDED IN SUPPLEMENTAL SPECIFICATIONS.

DEMOLITION

DEMOLITION OF BUILDINGS

(1) IF THE ASBESTOS SURVEY AND ABATEMENT IS NOT PART OF THE CONTRACT, THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE TDOT HAZARDOUS MATERIALS OFFICE TO VERIFY THAT AN ASBESTOS SURVEY HAS BEEN COMPLETED FOR ANY BUILDING TO BE REMOVED. IN THE CASE THAT NO SURVEY HAS BEEN COMPLETED THE CONTRACTOR SHALL COORDINATE WITH THE HAZARDOUS MATERIAL OFFICE IN SCHEDULING A SURVEY.

(2) ASBESTOS-CONTAINING MATERIALS (ACM) ABATEMENT SHALL BE COMPLETED PRIOR TO ANY DEMOLITION ACTIVITIES FOR BUILDINGS INCLUDED IN THE PROJECT. ABATEMENT SHOULD BE ACCOMPLISHED PER SP202ACM SPECIAL PROVISION REGARDING REMOVAL OF ASBESTOS-CONTAINING MATERIALS. STATE OF TENNESSEE ASBESTOS ACCREDITATION REQUIREMENTS (TCA 1200-01-20) MANDATE THAT ACM ABATEMENT WORK BE PERFORMED BY AN ACCREDITED FIRM (CONTRACTOR) USING ACCREDITED ABATEMENT WORKERS AND SUPERVISORS.

(3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE TO THE TDEC, DIVISION OF AIR POLLUTION CONTROL TEN (10) DAYS IN ADVANCE OF ANY ACM ABATEMENT, DEMOLITION, OR MAJOR REPAIR INVOLVING THE REMOVAL/REPLACEMENT OF A STRUCTURAL COMPONENT.

DEMOLITION, REPAIR, OR REHABILITATION OF BRIDGES

(1) THE CONTRACTOR SHALL VERIFY THAT AN ASBESTOS SURVEY HAS BEEN COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATIONS ACTIVITIES (NOT INCLUDING ASPHALT MILLING OR OVERLAY).

(2) ASBESTOS-CONTAINING MATERIALS (ACM) ABATEMENT IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COMPLETED PRIOR TO ANY DEMOLITION, REPAIR OR REHABILITATION OF BRIDGE(S). ABATEMENT SHOULD BE ACCOMPLISHED PER SP202ACM SPECIAL PROVISION REGARDING REMOVAL OF ASBESTOS-CONTAINING MATERIALS. STATE OF TENNESSEE ASBESTOS ACCREDITATION REQUIREMENTS (TCA 1200-01-20) MANDATE THAT ACM ABATEMENT WORK BE PERFORMED BY AN ACCREDITED FIRM (CONTRACTOR) USING ACCREDITED ABATEMENT WORKERS AND SUPERVISORS.

(3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A NOTICE TO THE TDEC, DIVISION OF AIR POLLUTION CONTROL TEN (10) DAYS IN ADVANCE OF ANY ACM ABATEMENT, DEMOLITION, OR MAJOR REPAIR INVOLVING THE REMOVAL/REPLACEMENT OF A STRUCTURAL COMPONENT.

SIGNALIZATION

(1) THE DESIGN OF TRAFFIC SIGNAL SUPPORT POLES, MAST ARMS, STRAIN POLES, ETC. SHALL BE IN CONFORMANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, CURRENT EDITION. OVERHEAD CANTILEVERED TRAFFIC SIGNAL STRUCTURES SHALL BE DESIGNED FOR FATIGUE CATEGORY 1.

MULTIMODAL

(1) DURING CONSTRUCTION, IF THE CONSTRUCTION SUPERVISOR IDENTIFIES CURB RAMP LOCATIONS WITHIN THE PROJECT LIMITS WHERE THE TDOT ROADWAY STANDARDS CANNOT BE USED DUE TO SITE LIMITATIONS, A SKETCH OR PICTURE, SHOWING EXISTING CONDITIONS AS WELL AS PROPOSED MODIFICATIONS SHOULD BE SUBMITTED TO THE REGIONAL PROJECT DEVELOPMENT OFFICE THREE WEEKS PRIOR TO THE BEGINNING OF CURB RAMP CONSTRUCTION. THE OFFICE WILL REVIEW AND EVALUATE THE LOCATIONS TO DEVELOP PROPER CURB RAMP DESIGN THAT WILL MEET REGULATIONS.

GEOTECHNICAL

(1) SINKHOLES ARE EXPECTED TO BE ENCOUNTERED WITHIN THE PROJECT FOOTPRINT, ESPECIALLY FROM STATION 180+00 NORTH TO THE END OF THE PROJECT. SEE GEOTECHNICAL SHEET G31 FOR TREATMENT OPTIONS. DUE TO THE KNOWN PRESENCE OF SINKHOLES IN THIS AREA, POSITIVE DRAINAGE SHOULD BE KEPT DURING ALL CONSTRUCTION ACTIVITES TO PREVENT WATER FROM POOLING.

(2) SETTLEMENT IS EXPECTED IN THE ABUTMENT FILLS FOR BRIDGE 1. AFTER COMPLETION OF FILL PLACEMENT AND PRIOR TO THE DRIVING OF PILES AND CONSTRUCTION OF THE ABUTMENTS, SETTLEMENT MONITORING DEVICES SHALL BE INSTALLED AND MONITORED DAILY FOR A MINIMUM OF 10 WEEKS. THE DEVICES WILL PROVIDE DATA REGARDING THE AMOUNT AND RATE OF SETTLEMENT OF THE COMPRESSIBLE IN-SITU MATERIAL AND CAN BE USED TO DETERMINE WHEN THE SETTLEMENT HAS STOPPED OR DECREASED CONSIDERABLEY. IF THE SETTLEMENT RATE IS LESS THAN OR EQUAL TO 0.1 INCH PER 14 DAYS, THE CONSTRUCTION OF THE ABUTMENT AND PILE INSTALLATION CAN CONTINUE. INSTALLATION OF WICK DRAINS OR STONE COLUMNS CAN REDUCE THE TIME REQUIREMENTS IF NEEDED TO MAINTAIN THE CONSTRUCTION SCHEDULE BUT WILL BE INCLUDED IN THE PRICE FOR THE EMBANKMENT FILL.

(3) EXCAVATION FOR ROCK CUTS FROM STATION 130+00 TO 150+00 COULD INVOLVE SOIL SEAMS WITHIN THE ROCK MATRIX. IF THE PRE-SPLIT ROCK FACE IS NOT COMPLETELY STABLE, THE USE OF SOIL NAILS OR ROCK ANCHORS MAY BE NEEDED TO STABALIZE IT. THIS WOULD BE PAID UTILIZING THE ITEM NUMBERS FOR SOIL NAILS AND ANCHORS USED IN WALLS 18-24. NO QUANTITIES HAVE BEEN INCLUDED IN THE ITEMS FOR THIS USE AS IT MAY NOT BE NECESSARY. TDOT GEOTECHNICAL STAFF SHOULD BE CONTACTED TO INSPECT THE SLOPE PRIOR TO PLACEMENT OF SOIL NAILS OR ROCK ANCHORS.

RETAINING WALLS

(1) THE (RIGHT-OF-WAY/EASEMENT) SHALL REMAIN CLEAR FOR THE CONSTRUCTION OF THE RETAINING WALLS. NO UTILITY LINES MAY BE PLACED THERE WITHOUT APPROVAL FROM STRUCTURES DIVISION.

(2) THE OPTIONS FOR RETAINING WALL TYPES SHALL BE LIMITED TO THE APPROVED ALTERNATIVES AS SPECIFIED ON THE RETAINING WALL SHEETS.

(3) PER SP624 FOR RETAINING WALLS, ALL COST OF BUILDING, INSTALLING AND BACKFILLING THE CONCEPTUAL RETAINING WALLS, INCLUDING GRANULAR BACKFILL, GEOTEXTILE FABRIC (TYPE IV), LEVELING PAD, AND MOMENT SLAB, SHALL BE INCLUDED IN THE COST OF THE RETAINING WALL. COSTS FOR EXCAVATION OF THE WALL SHALL BE INCLUDED IN THE PRICE OF THE WALL.

(4) DESIGNED WALLS 6, AND 18-24 WILL BE PAID PER ITEM NUMBERS AS DETAILED IN THE RETAINING WALL DRAWINGS.

(5) PRELOADING OF THE AREA OF WALL 8 AT ABUTMENT 2 OF BRIDGE 2 SHALL BE REQUIRED. A MINIMUM OF 6 KSF SHALL BE APPLIED TO THE AREA FOR A MINIMUM OF 90 DAYS PRIOR TO WALL CONSTRUCTION TO ALLOW FOR SOIL CONSOLIDATION. AFTER THE 90-DAY WAITING PERIOD, ESTABLISHED SETTLEMENT POINTS SHOULD BE MEASURED WEEKLY UNTIL SETTLEMENT RATES ARE LESS THAN 0.1 INCH PER 14 DAYS.

BLASTING

(1) ALL BLASTING SHALL BE COORIDINATED PER SPECIAL PROJECT COMMITMENTS

(2) ROLLING ROADBLOCKS SHALL BE REQUIRED FOR ALL BLASTING ACTIVITIES.

(3) SEE BLASTING SPECIAL PROVISION FOR OTHER REQUIREMENTS.

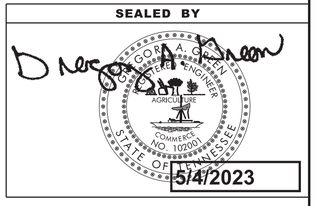
QUALIFICATIONS FOR SOIL NAILING

(1) THE CONTRACTOR PERFORMING THE DESIGN AND CONSTRUCTION OF THE WORK SHALL HAVE A MINIMUM OF FIVE YEARS OF EXPERIENCE IN SOIL NAIL DESIGN AND CONSTRUCTION AND SHALL SUBMIT EVIDENCE OF SUCCESSFUL COMPLETION OF AT LEAST FIVE SIMILAR PROJECTS. THE CONTRACTOR'S STAFF SHALL INCLUDE AT LEAST ONE REGISTERED PROFESSIONAL ENGINEER LICENSED TO PERFORM WORK IN THE STATE OF TENNESSEE. THE CONTRACTOR SHALL ASSIGN AN ENGINEER TO SUPERVISE THE WORK WITH AT LEAST THREE YEARS OF EXPERIENCE IN THE DESIGN AND CONSTRUCTION OF SOIL NAIL WALLS AND A SUPERINTENDENT OR FOREMEN WITH A MINIMUM OF TWO YEARS EXPERIENCE IN THE SUPERVISION OF SOIL NAIL WALL CONSTRUCTION. THE CONTRACTOR MAY NOT USE CONSULTANTS OR MANUFACTURER'S REPRESENTATIVES IN ORDER TO MEET THE REQUIREMENT OF THIS SECTION. THE CONTRACTOR SHALL SUBMIT THE FOLLOWING TO THE DEPARTMENT FOR PROOF OF MEETING THE REQUIREMENT MENTIONED ABOVE:

a. A LIST CONTAINING AT LEAST FIVE PROJECTS COMPLETED WITHIN THE LAST FIVE YEARS. FOR EACH PROJECT, THE CONTRACTOR SHALL INCLUDE WITH THE SUBMITTAL, AT A MINIMUM: (1) NAME OF CLIENT CONTACT, ADDRESS, AND TELEPHONE NUMBER; (2) LOCATION OF PROJECT; (3) CONTRACT VALUE; AND (4) SCHEDULED COMPLETION DATE AND ACTUAL COMPLETION DATE FOR THE PROJECT.

b. RESUMES OF THE CONTRACTOR'S STAFF SHALL BE SUBMITTED TO THE DEPARTMENT FOR REVIEW AS PART OF THE CONTRACTOR'S WORKING DRAWING SUBMITTAL. ONLY THOSE INDIVIDUALS DESIGNATED AS MEETING THE QUALIFICATIONS REQUIREMENTS SHALL BE USED FOR THE PROJECT. THE CONTRACTOR CANNOT SUBSTITUTE FOR ANY OF THESE INDIVIDUALS WITHOUT WRITTEN APPROVAL OF THE DEPARTMENT OR PROJECT ENGINEER. THE ENGINEER SHALL APPROVE OR REJECT THE CONTRACTOR'S QUALIFICATIONS AND STAFF. WORK SHALL NOT BE STARTED ON ANY WALL SYSTEM NOR SHALL MATERIALS BE ORDERED UNTIL THE CONTRACTOR'S QUALIFICATIONS HAVE BEEN APPROVED BY THE DEPARTMENT. THE DEPARTMENT MAY SUSPEND THE WORK IF THE CONTRACTOR SUBSTITUTES UNQUALIFIED PERSONNEL FOR APPROVED PERSONNEL DURING CONSTRUCTION. IF WORK IS SUSPENDED DUE TO THE SUBSTITUTION OF UNQUALIFIED PERSONNEL, THE CONTRACTOR SHALL BE FULLY LIABLE FOR ADDITIONAL COSTS RESULTING FROM SUSPENSION OF WORK AND NO ADJUSTMENT IN CONTRACT TIME RESULTING FROM THE SUSPENSION OF WORK WILL BE ALLOWED.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

5/3/2023 4:23:09 PM
L:\TDOT\00903\SPECIAL NOTES.SHT

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

(1) ALL WORK ON LIFESTAR ROAD INCLUDING UTILITY RELOCATION MUST BE PERFORMED IN PHASE 1 OF CONSTRUCTION AND IS LIMITED TO 12 CONSECUTIVE MONTHS FROM START TO COMPLETION. ALL CONSTRUCTION ACTIVITIES SHALL BE PERFORMED DURING DAYTIME HOURS. ACCESS TO ALL FACILITIES AND PARKING SHALL BE MAINTAINED AT ALL TIMES DURING THE PROJECT. PORTIONS OF LIFESTAR ROAD CAN BE CLOSED DURING CONSTRUCTION. THE EASTERN PORTION, FROM APPROX. STA. 10+00 TO APPROX. STA. 17+00 CAN BE CLOSED TO THRU TRAFFIC AND SHALL BE CONSTRUCTED FIRST. THE WESTERN PORTION, FROM APPROX. STA. 22+00 TO APPROX. STA. 26+00 CAN BE CLOSED TO THRU TRAFFIC ONLY AFTER THE EASTERN PORTION HAS BEEN COMPLETED AND FULLY OPENED TO THRU TRAFFIC. THESE INTERMITTENT CLOSURES WILL BE PERMITTED FOR A MAXIMUM OF 30 DAYS FOR THE INSTALLATION OF UTILITIES, GRADING, CURVE CORRECTION, AND GENERAL ROADWAY CONSTRUCTION. ALL CLOSURES SHALL BE APPROVED 14 DAYS IN ADVANCE BY THE ENGINEER. UNENCUMBERED ACCESS TO THE REMAINING PORTION OF LIFESTAR ROAD AND ALL FACILITIES SHALL BE MAINTAINED, OPEN, AND FREE FROM CONSTRUCTION ACTIVITIES.

(2) ALL TRAFFIC SHIFTS SHALL BE COMPLETED DURING NIGHTTIME HOURS AS DEFINED IN THE 108B.

(3) AT NO TIME SHALL THE CONTRACTOR BE PERMITTED TO WORK OUT OF PHASE OR MAKE AMENDMENTS TO THE TRAFFIC CONTROL PLAN WITHOUT WRITTEN AUTHORIZATION OF THE ASSISTANT CHIEF ENGINEER/REGION 1 DIRECTOR.

(4) DURING ALL PHASES, TRAFFIC SHALL BE MAINTAINED ON ASPHALT AT ALL TIMES. ANY ADDITIONAL COST SHALL BE INCLUDED IN THE COST OF OTHER ITEMS.

(5) THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT WRITTEN REQUEST FOR ANY CLOSURE. ALL CLOSURES SHALL BE APPROVED 14 DAYS IN ADVANCE OF THE REQUESTED CLOSURE DATE. ALL CLOSURES SHALL RECEIVE WRITTEN APPROVAL FROM THE ENGINEER AFTER COORDINATION WITH APPROPRIATE STAKE HOLDERS.

SIGNING NOTES

(1) THE CHEROKEE FARMS SIGNS LOCATED ON TRACT 19, APPROXIMATELY AT STA 208+75 (LT) SHALL NOT BE REMOVED UNTIL PHASE 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 30 DAYS PRIOR TO THE REMOVAL OF THE SIGN TO ALLOW FOR COORDINATION WITH APPROPRIATE STAKE HOLDERS.

PARKING LOT NOTES

WORK ON LOT C WILL NOT BE PERMITTED TO BEGIN UNTIL AFTER OCTOBER 1, 2023. AFTER OCTOBER 1, 2023 THE CONTRACTOR WILL BE PERMITTED TO FULLY CLOSE LOT C. CLOSURE WILL REQUIRE SECURING THE PARKING AREA TO RESTRICT ACCESS FROM ALL VEHICLES WHILE WORK IS ONGOING WITHIN CONSTRUCTION EASEMENTS. SECURED CLOSURE OF LOT C WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL SUCH TIME WRITTEN NOTICE IS PROVIDED TO THE DEPARTMENT AND UT MEDICAL CENTER THAT WORK FOR LOT C HAS BEEN COMPLETED INCLUDING FINAL TIE-IN TO MEDICAL CENTER WAY AND MADE AVAILABLE FOR RE-OPENING. WORK IN LAKE LOT WILL NOT BE PERMITTED TO BEGIN UNTIL 90 DAYS AFTER THE NOTICE OF COMPLETION OF WORK ON LOT C. THE CONTRACTOR SHALL NOT BE PERMITTED TO UTILIZE AREAS OUTSIDE OF CONSTRUCTION EASEMENTS AT ANY TIME IN ANY WAY, REGARDLESS OF PRIVATE AGREEMENT. THE FULL CLOSURE OF LOT C WILL BE LIMITED TO 45 CALENDAR DAYS BEGINNING WHEN SECURE ACCESS TO THE LOT IS IMPACTED.

(2) WORK ON LAKE LOT WILL NOT BE PERMITTED TO BEGIN UNTIL 90 DAYS AFTER THE NOTICE OF COMPLETION OF WORK ON LOT C. THE CONTRACTOR SHALL NOT BE PERMITTED TO UTILIZE AREAS OUTSIDE OF CONSTRUCTION EASEMENTS AT ANY TIME IN ANY WAY, REGARDLESS OF PRIVATE AGREEMENT. UPON COMPLETION OF WORK IN LAKE LOT THE CONTRACTOR SHALL SUBMIT WRITTEN NOTICE TO THE DEPARTMENT AND UT MEDICAL CENTER.

(3) PHASE 2 WORK IN LOT J SHALL NOT BE PERMITTED TO BEGIN UNTIL 90 DAYS AFTER THE NOTICE OF COMPLETION OF WORK ON LAKE LOT.

SCOPE OF WORK

(1) THIS PROJECT INCLUDES THE GRADING, DRAINAGE, BASE, PAVEMENT, AND GUARDRAIL FOR S.R. 115 AND ALL SIDEROADS, RAMPS AND GREENWAYS TO LINES AND GRADES AS INDICATED ON THE TYPICAL CROSS-SECTIONS AND PLAN AND PROFILE SHEETS OR AS DIRECTED BY THE TDOT DISTRICT MANAGER.

(2) THE CONSTRUCTION OF THE PROPOSED BRIDGES, RETAINING WALLS AND THE EXTENSION OF CONCRETE BOX CULVERTS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT DISTRICT MANAGER.

(3) CONSTRUCTION OF PRIVATE DRIVES TO LINES AND GRADES AS INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT DISTRICT MANAGER.

(4) CONSTRUCTION OF ALL DITCHES, LIGHTING, SIGNING, APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL DEVICES, SEEDING, PAVEMENT MARKINGS, INSTALLATION OF THE TRAFFIC CONTROL DEVICES, AND OTHER DESIGN FEATURES AS INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT DISTRICT MANAGER

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	2D1

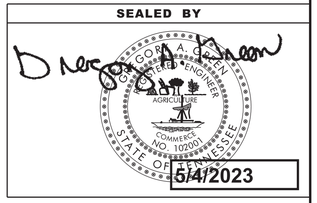
REV. 4-12-23

ADDED SHEET TO PLANS

REV. 5-5-23

REVISED NOTE 1 UNDER CONSTRUCTION WORK ZONE & TRAFFIC CONTROL.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SPECIAL NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	2E

ENVIRONMENTAL NOTES

SUBSECTION 1 – ENVIRONMENTAL GENERAL 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.

STREAMS, WETLANDS & BUFFER ZONES

(19) ONCE WATER IS DIVERTED INTO A NEWLY CONSTRUCTED AND STABILIZED RELOCATED STREAM / CHANNEL, THE ECOLOGY SECTION SHALL BE NOTIFIED. THE STREAM NAME, STREAM NUMBER, AND DATE THE WATER WAS DIVERTED INTO THE NEWLY CONSTRUCTED STREAM / CHANNEL SHALL BE SUPPLIED WITH THE NOTIFICATION.

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.

SUBSECTION 2 – ENVIRONMENTAL SPECIAL NOTES

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 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.

(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

SCOPE OF WORK

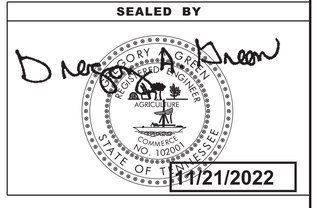
(1) THIS PROJECT INCLUDES THE GRADING, DRAINAGE, BASE, PAVEMENT, AND GUARDRAIL FOR S.R. 115 AND ALL SIDEROADS, RAMPS AND GREENWAYS TO LINES AND GRADES AS INDICATED ON THE TYPICAL CROSS-SECTIONS AND PLAN AND PROFILE SHEETS OR AS DIRECTED BY THE TDOT DISTRICT MANAGER.

(2) THE CONSTRUCTION OF THE PROPOSED BRIDGES, RETAINING WALLS AND THE EXTENSION OF CONCRETE BOX CULVERTS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT DISTRICT MANAGER.

(3) CONSTRUCTION OF PRIVATE DRIVES TO LINES AND GRADES AS INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT DISTRICT MANAGER.

(4) CONSTRUCTION OF ALL DITCHES, LIGHTING, SIGNING, APPLICATION OF EROSION PREVENTION AND SEDIMENT CONTROL DEVICES, SEEDING, PAVEMENT MARKINGS, INSTALLATION OF THE TRAFFIC CONTROL DEVICES, AND OTHER DESIGN FEATURES AS INDICATED ON THE PLANS OR AS DIRECTED BY THE TDOT DISTRICT MANAGER

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

11/18/2022 2:28:23 PM
L:\TDOT\00903\ENVIRONMENTAL NOTES.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2023	R-STP/NH-115(29)	2E1

SUBSECTION 3 – EROSION PREVENTION AND SEDIMENT CONTROL GENERAL 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

(11) REFER TO THE STORM WATER POLLUTION AND PREVENTION PLAN SHEET SERIES (S-1) FOR SWPPP, PERMITS, AND RECORDS NOTES.

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.

(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.

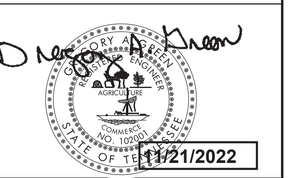
(39) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.

(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.

STREAMS, WETLANDS & BUFFER ZONES

(54) ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G., PIER FOOTING, RIP-RAP PLACEMENT, CULVERT/BRIDGE CONSTRUCTION, ETC.) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. ALL ITEMS USED WITHIN THE STREAM CHANNEL AREA FOR DIVERSION OF FLOW (OR EXPECTED FLOW), UNLESS SPECIFIED IN THE PLANS, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF OTHER ITEMS. THIS NOTE EXCLUDES ANY ITEMS SPECIFIED IN THE PLANS FOR THE TEMPORARY DIVERSION CHANNELS (EC-STR-31) AND TEMPORARY DIVERSION CULVERTS (EC STR-32) FOR SINGLE BARREL CULVERT CONSTRUCTION.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ENVIRONMENTAL NOTES

11/18/2022 2:29:22 PM
L:\TDOT\00903\ENVIRONMENTAL NOTES.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2F

PAVEMENT QUANTITIES

LOCATION	PAY ITEMS																										
	303-01 (TON)					307-01.01 (TON)	307-01.08 (TON)	307-02.01 (TON)	307-02.01 (TON)	307-01.21 (TON)	307-01.21 (TON)	307-02.08 (TON)	313-03 (SY)	402-01 (TON)	402-02 (TON)	403-01 (TON)	411-01.07 (TON)	411-01.10 (TON)	411-01.11 (TON)	411-02.10 (TON)	501-01.03 (S.Y.)	701-02 (S.F.)	702-01 (C.Y.)	702-03 (C.Y.)	701-01.01 (S.F.)	710-02 (L.F.)	711-05.72 (L.F.)
	14"	10"	8"	6"	4"	3"	2"	6"	4"	3"	3.5"	2"	4"				1.5"	1.25"	2"	1.25"	10"	6"	6"	TYPE 6-30	4"		
S.R. 115	109645							38333		15000		12556		198	785	144	1528			7465						12000	
RAMP G			1986										4033	6	22	2					3667			81		500	
RAMP A			3851										7822	11	43	3					7111					1200	
RAMP B			4754										9656	13	53	4					8778		35		2400	1600	
RAMP C			2407										4889	7	27	2					4444					1300	
RAMP D			4935										10022	14	55	4					9111					1200	
RAMP E			7161										14544	20	79	6					13222			446		3200	1035
RAMP F			505										1027	1	6	0					933			58		300	
RAMP H			542										1100	2	6	0					1000			50		300	
RAMP J			421										856	1	5	0					778						
WOODSON DRIVE		1278				320	213							3	11	1		125				3550	37	25	5000		
MARINE BASE ROAD		6316					1055							14	56	8		618									1950
CHEROKEE TRAILS		21127							7109		5588	3528		47	187	41				2098				525		5000	
HOSPITAL ENTRANCE		5714							1923		1510	954		13	51	11				567		2975	79	48	28000	2500	
RAMP 'I'		1128							380		298	188		3	10	2				112		600	19	77			
OLD CHEROKEE TRAIL		1053							352		276	176		2	9	1		103						88		328	
LIFE STAR ROAD			3375				704							9	37	3		413					114				
GREEWAYS				1813										7	27	2			345								
DRIVEWAYS					1045		185											307									
WYE WAY			545											2.0	6.0	1.0		70									
MAINTENANCE	20000											10000															
TOTALS	**129645**	**36616**	**30483**	**1813**	**1045**	**320**	**2157**	**38333**	**9764**	**15000**	**7672**	**27402**	**53949**	**372.8**	**1474.5**	**234.4**	**1527.8**	**1636**	**345**	**10242**	**49044**	**7125**	**283**	**1398**	**35400**	**29428**	**2985**

R.O.W. MARKERS

SHEET NO.	QUANTITIES "A"	"B"	"C"	TOTALS
4	9	2	2	**13**
5	7			**7**
6	6			**6**
7	7			**7**
8	7			**7**
9				**0**
10				**0**
11	4	1		**5**
12				**0**
13				**0**
14	8			**8**
15	9			**9**
16	7		2	**9**
TOTALS	**64**	**3**	**4**	**71**

REV. 2-17-23

REVISED GRADING QUANTITIES TAB BLOCK AND GUARDRAIL TAB BLOCK.

REV. 4-12-23

REVISED SIDE DRAIN TAB BLOCK.

REV 5-5-23

REVISED ENTRANCE TO DRIVEWAY SERVING TRACT 16 TO 24 FEET WIDE.

REV 7-14-25

REVISED GUARDRAIL TABLE

REV 8-14-25

REVISED GUARDRAIL TABLE

PROPOSED GUARDRAIL

SHEET NO.	LOCATION	SIDE LT	SIDE RT	STATION FROM	STATION TO	GUARDRAIL: BRIDGE ENDS 705-06.25 (EACH)	BRIDGE ENDS 705-06.26 (EACH)	SINGLE TYPE 2 705-06.01 (L.F.)	TYPE IN-LINE 705-06.11 (EACH)	TYPE 38 705-06.20 (EACH)	TYPE 13 705-06.10 (EACH)	TYPE 21 705-06.30 (EACH)	REMOVAL OF MEDIAN BARRIER 202-08.28 (LF)	GUARDRAIL REMOVAL 706-01 (LF)	REMARKS
4B	WOODSON DRIVE		X	18+28.38	15+28			362.5	1						TIE TO EXISTING
4B	WOODSON DRIVE		X	15+48	16+00			56.25	1						TIE TO EXISTING
4B	S.R. 115		X	130+02.46	130+50		1	12.5				1			
4B	WYE WAY		X	4+77.82	7+00			175				2			
4B/5B	WYE WAY		X	1+36.0	1+79.0			275				2			
6B	S.R. 115		X	142+90	143+65			25		1	1				
7B	S.R. 115		X	161+58	163+28			125		1	1				
8B	S.R. 115	X		170+87	173+22	1		169		1					
6B/7B	MARINE BASE ROAD	X		11+00	15+75			450				2			
7B/8B/9B	MARINE BASE ROAD	X		17+25	39+25			2137.5				2			
8B	RAMP A	X		63+62	64+50	1		18.75		1					
9B	S.R. 115		X	184+10	184+75	1				1					
9B	RAMP E	X		121+17	122+50			112.5			1	1			
9B	RAMP E		X	121+57	122+90			112.5			1	1			
9B	CHEROKEE TRAIL	X		126+68.40	127+08.42	1						1			
11B	RAMP 'E'		X	115+79	116+25		1	12.5				1			
13G	LIFE STAR ROAD	X		15+32	16+50			25				2			
14B	S.R. 115	X		188+50	192+60			325		1	1				
14B	S.R. 115		X	192+60	193+03.55		1	12.5				1			
14B	S.R. 115	X		196+21	196+93			25		1	1		3400	10550	
15B	S.R. 115	X		199+91	200+66			75				2			
TOTALS						**4**	**3**	**4506.5**	**2**	**7**	**6**	**18**	**3400**	**10550**	

RIP-RAP DITCHES

STATION FROM	STATION TO	SIDE LT	SIDE RT	WIDTH (L.F.)	RIP-RAP (TONS)	CONCRETE 703-01 (C.Y.)	SODDING 803-01 (S.Y.)	REMARKS
15+00	16+00	X		8			100	WOODSON
72+52.74	74+43.29	X		8		42		RAMP B
79+70.56	175+75	X		8		44		RAMP C
173+00	175+75		X	8		28		
182+00	191+00	X		8		90		
188+75	191+25	X		8		25		
204+75	209+25	X		8		45		
TOTALS					**0**	**274**	**100**	

ESTIMATED GRADING QUANTITIES

STATION TO STATION	ROAD & DRAINAGE EXC. (UNCL.) C.Y.	BORROW EXCAVATION UNCL. - C.Y.	BORROW EXCAVATION S. ROCK - C.Y.	EXCESS EXC. WASTE C.Y.	EMB. C.Y.
S.R. 115	707302		2250	348,577	150194
CHEROKEE TRAILS	40094		9780		247534
RAMP B	55741				24888
RAMP C	28491				62
RAMP F	12914				1899
RAMP J	0				10373
RAMP I	1509				4
WOODSON DRIVE	3115		2142		6305
HOSPITLAL ENTRANCE	17627				35919
RAMP H	3861				138
OLD CHEROKEE TRAIL	1982				7
LIFE STAR ROAD	3461				812
WYE WAY LANE	28985				12
DRIVEWAYS	2705				330
TOTALS	(1) **907787**	**0**	**14172**	**348577**	(2) **478477**

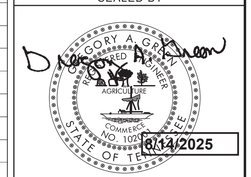
(1) INCLUDES 11,025 C.Y. STRIPPED IN CUT AND 13,475 C.Y. STRIPPED IN FILL
(2) INCLUDES 13,475 C.Y. TO REPLACE TOPSOIL STRIPPED IN FILL

	(UNCL) EXCAVATION 1.05	VS.	EMBANKMENT
907787 CY OF EXCAVATION (UNCLASSIFIED)			
- 11,025 CY OF TOPSOIL STRIPPED IN CUT AREAS	883,287 CY	VS.	478,877 CY + 14,172 C.Y. GRADED SOLID ROCK
-13,475 CY OF TOPSOIL STRIPPED IN FILL AREAS	1.05		
= 883,287 CY AVAILABLE FOR BALANCE			
	841,226 CY	VS.	492,649 CY
SHRINKAGE FACTOR = 5%			
ROCK SWELL FACTOR = 25%	348,577 CY OF EXCESS MATERIAL		

SIDE DRAIN TABULATION

STATION	LOCATION LT.	LOCATION RT.	DESCRIPTION	SURFACE WIDTH FT.	SKEW	RCP CLASS III OR CMP 16 GA OR PVC OR SRTRP OR HDPE OR PP (L.F.) FILL HEIGHT ≤ 10 FT. 18"	24"	30"	36"	42"	48"	REMARKS
15+38.45		X	PRIVATE DRIVE	12	90°							WOODSON DRIVE
14+37.65	X		PRIVATE DRIVE	12	90°		35					WOODSON DRIVE
128+57.14	X		PRIVATE DRIVE	16	90°							S.R. 115
		X	PRIVATE DRIVE	22	90°							WYE WAY
149+17.55		X	PRIVATE DRIVE	13	90°							SR 168
10+31.39	X		BUSINESS ENTRANCE	24	90°							MARINE BASE ROAD
16+62.79	X		BUSINESS ENTRANCE	17	90°							MARINE BASE ROAD
107+08.40		X	BUSINESS ENTRANCE	28	90°							CHEROKEE TRAIL
108+74.00		X	BUSINESS ENTRANCE	14	90°							CHEROKEE TRAIL
114+75.00	X		FIELD ENTRANCE	24	90°							CHEROKEE TRAIL
55+26.89		X	BUSINESS ENTRANCE	24	90°							HOSPITAL ENTRANCE
202+20.00		X	BUSINESS ENTRANCE	24	90°							RAMP 'I'
10+93.00	X		BUSINESS ENTRANCE	56	90°							LIFE STAR ROAD
12+90.00	X		BUSINESS ENTRANCE	30	90°							LIFE STAR ROAD
14+91.16	X		BUSINESS ENTRANCE	65	90°							LIFE STAR ROAD
14+95.03		X	FIELD ENTRANCE	12	90°							LIFE STAR ROAD
17+59.38		X	BUSINESS ENTRANCE	112	90°							LIFE STAR ROAD
18+48.89		X	BUSINESS ENTRANCE	48	90°							LIFE STAR ROAD
19+68.73		X	BUSINESS ENTRANCE	44	90°							LIFE STAR ROAD
22+94.72	X		BUSINESS ENTRANCE	20	90°							LIFE STAR ROAD
26+61.34		X	BUSINESS ENTRANCE	30	90°							LIFE STAR ROAD
28+27.22		X	BUSINESS ENTRANCE	24	90°							LIFE STAR ROAD
101+97.17		X	BUSINESS ENTRANCE	30	90°							OLD CHEROKEE TRAIL
TOTALS							**35**					

SEALED BY



STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

TABULATED QUANTITIES

8/14/2025 2:41:23 PM
L:\TDOT\00903\CONST - TABULATED QUANTITIES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2F1

BOX CULVERT TABULATION

STATION	LOCATION	SPAN	HEIGHT	LENGTH	SKEW	DRAINAGE AREA ACRES	BOX CULVERT CLASS "A" CONCRETE 604-01.01 CU. YD.	BOX CULVERT STEEL BAR REINF. 604-01.02 LB.	CULVERT EXC. CU. YD.	STANDARD DRAWING NO.	BACKFILLING ITEM 303-01.01 DWG. STD-10-1 TONS	FOUNDATION FILL MATERIAL 204-08 CU. YD.
146+99	S.R. 115	6	4	145	54	110	123.20	24567	100	STD-17-51	500	30
191+69	S.R. 115	12	10	224	90		346.00	69849	180	STD-17-58	1800	65
TOTALS							**469.20**	**94416**	**280**		**2300**	**95**

PROPOSED BARRIER WALLS

		①	②		③	
	Bike Rail	STD-1-1SS	S-SSMB-1	S-SSMB-2	S-SSMB-3	S-SSMB-9
Walls	604-01.20	*	*	711-05.71	711-05.72	711-05.78
1	1006	0	0	0	0	0
2	0	0	0	0	0	0
3	0	2028	0	0	1975	825
5	0	317	0	0	0	0
6A	0	275	0	0	275	197
6B	0	155	0	0	102	0
6C	0	187	0	0	145	0
7	0	570	0	0	495	80
8	0	408	0	0	0	0
9A	0	147	0	0	147	0
9B	0	0	0	200	200	100
10	0	0	0	0	0	800
11	115	0	115	0	0	0
12	0	0	0	0	0	0
13	0	0	0	0	0	0
14	0	0	275	0	0	0
15	0	0	157	0	0	0
16	0	0	0	0	0	231
17	0	0	0	0	300	50
TOTALS	**1121**	**4087**	**547**	**200**	**3639**	**2283**

① TO BE PAID FOR UNDER STRUCTURAL QUANTITES, ITEM NO. 620-05.01, SEE SHEET B2.

② SEE 'R' SHEETS FOR MORE INFORMATION. COST OF THE BARRIER WALLS TO BE PAID FOR UNDER THE COST OF THE RETAINING WALLS.

③ PAYMENT FOR THE ITEM NO. WILL ONLY BE USED FOR WALLS 6A, 6B, 6C, 9A AND 9B FOR A TOTAL OF 869 L.F. ALL OTHER LOCATIONS TO BE PAID FOR UNDER THE BID ITEM OF THE RETAINING WALL.

REMOVAL OF BUILDINGS AND OBSTRUCTIONS DESCRIPTION BLOCK

TRACT NO.	SHEET NO.	DESCRIPTION
2 & 2S	4 & 5	STONE RETAINING WALL AND
		SEPTIC TANK (LOCATION UNKNOWN)
4	4	BLOCK RETAINING WALL
5	5	525 SF RETAINING WALL AND
		CHAINLINK FENCING
8	5 & 6	1 STORY, 2251 SF FRAME RESIDENCE
		WITH BASEMENT, CONCRETE WALKWAYS,
		BASKETBALL GOAL, MASONRY BLOCK
		RETAINING WALLS, STONE BBQ PIT,
		SEPTIC TANK AND FIELD LINES, 324 SF METAL
		CARPORT AND 434 SF FRAME CARPORT
9	5	56 SF CONCRETE BLOCK RETAINING WALL,
		APPROXIMATELY 30 LF OF CONCRETE
		WALKWAY AND FISH POND
11	6	105 LF 3' TALL STONE WALL
16	11	ALUMINUM GATE & TWO 8' STEEL POLES &
		TWO WOOD POSTS FEEDER SHELTER
19	16	"CHEROKEE FARM" ENTRANCE SIGN
24	4	190 LF WOODEN THREE-RAIL FENCING
25	4	9 WOODEN BOLLARDS
26	4	6 WOODEN BOLLARDS

REV. 2-17-23

ADDED BARRIER WALL QUANTITIES TAB BLOCK WITH NOTE.

ADDED REMOVAL OF BUILDINGS AND OBSTRUCTIONS TAB BLOCK.

REV. 4-12-23

REMOVED CROSS DRAIN TAB BLOCK.

REV. 7-14-25

REVISED BOX CULVERT TABULATION TABLE AND PROPOSED BARRIER WALLS TABLE.

REV. 8-14-25

REVISED PROPOSED BARRIER WALLS TABLE.

SEALED BY

GREGORY K. KIRCHER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE
8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

8/14/2025 2:41:51 PM
L:\TDOT\00903\CONST - TABULATED QUANTITIES.SHT

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	MANHOLE 611-01.02	SPRING DRAIN BOX 611-02.01	JUNCTION BOX 611-02.11	TYPE 12 C.B. 611-12.01 0' - 4'	TYPE 12 C.B. 611-12.02 4' - 8'	TYPE 12 C.B. 611-12.03 8' - 12'	TYPE 12 C.B. 611-12.04 12'-16'	TYPE 12 C.B. 611-12.05 16' - 20'	TYPE 25 C.B. 611-25.01 0' - 4'	TYPE 25 C.B. 611-25.02 4' - 8'	TYPE 41 C.B. 611-41.01 0' - 4'	TYPE 41 C.B. 611-41.02 4' - 8'	TYPE 41 C.B. 611-41.03 8' - 12'	TYPE 41 C.B. 611-41.04 12' - 16'	TYPE 41 C.B. 611-41.05 16' - 20'	TYPE 41 C.B. 611-41.08 > 28'	TYPE 42 C.B. 611-42.01 0' - 4'	TYPE 42 C.B. 611-42.02 4' - 8'	TYPE 42 C.B. 611-42.08 > 28'	TYPE 43 C.B. 611-43.01 0'- 4'	TYPE 43 C.B. 611-43.02 4' - 8'	TYPE 51 C.B. 611-51.02 4' - 8'	REMARKS
4B	WOODSON	127+23.24	197.90	1	814.00	U EW			D-PE-24A&B																							
4B	WOODSON	11+70.00	4.01	2	839.45	#12	4X4	4.45	D-CB-12SB					1																		
4B	WOODSON	11+73.00	-9.37	3	839.45	#12	4X4	4.00	D-CB-12SB					1																		
4B	WOODSON	10+85.00	-39.20	4	842.65	#12	4X4	6.85	D-CB-12SB					1																		
4B	S.R. 115	130+50.00	59.00	5	842.80	#41	4X4	5.80	D-CB-41SB												1											
4B	S.R. 115	129+77.00	4.60	6	845.80	#41	7X7	7.80	D-CB-41SD												1											
4B	S.R. 115	127+25.00	4.60	7	844.20	#41	4X4	4.05	D-CB-41SB												1											
4B	S.R. 115	129+00.00	-91.00	8	835.00	U EW			D-PE-18A&B																							
4B	S.R. 115	129+00.00	-46.35	9	846.55	#41	4X4	4.55	D-CB-41SB												1											
5B	S.R. 115	136+18.00	102.00	10	837.50	#42	4X4	4.50	D-CB-42SB																		1					
5B	S.R. 115	136+25.00	4.60	11	845.15	#41	4X4	13.05	D-CB-41SB														1									
5B	S.R. 115	138+90.00	1.15	12	842.50	#41	4X4	13.00	D-CB-41SB														1									
5B	S.R. 115	138+85.68	-53.91	13	842.15	#41	4X4	4.65	D-CB-41SB												1											
6B	S.R. 115	140+00.00	88.00	14	836.50	#42	4X4	4.50	D-CB-42SB																		1					
6B	S.R. 115	141+20.00	1.20	15	841.85	#41	7X7	14.85	D-CB-41SD														1									
6B	S.R. 115	140+00.00	-56.75	16	840.15	#41	4'x4'	9.19	D-CB-41SB													1										
6B	S.R. 115	140+50.00	-92.00	17	824.00	A EW			D-PE-1																							
6B	S.R. 115	140+50.00	-58.83	18	840.10	#41	7X7	15.10	D-CB-41SD														1									
6B	S.R. 115	141+00.00	-58.83	19	840.20	#41	7X7	14.20	D-CB-41SD														1									
6B	S.R. 115	143+00.00	1.20	20	843.10	#41	4X4	4.10	D-CB-41SB												1											
6B	S.R. 115	143+00.00	-58.83	21	841.00	#41	4X4	4.00	D-CB-41SB											1												
6B	S.R. 115	146+19.00	-99.00	22	819.96	WW			STD-17-11																							SEE BOX CULVERT TAB
6B	S.R. 115	148+33.00	114.00	23	825.50	WW			STD-17-11																							SEE BOX CULVERT TAB
6B	S.R. 115	147+98.00	87.42	24	825.00	TIE																										COST INCLUDED IN PIPE COST
6B	S.R. 115	148+50.00	1.20	25	841.55	#41	7X7	12.85	D-CB-41SD														1									
6B	S.R. 115	150+60.00	1.20	26	839.95	#41	7X7	9.75	D-CB-41SD													1										
6B	S.R. 115	152+00.00	1.20	27	839.65	#41	7X7	8.40	D-CB-41SD													1										
6B	S.R. 115	152+00.00	85.00	28	835.15	#42	32"X32"	3.50	D-CB-42S																1							
7B	S.R. 115	154+90.00	1.20	29	841.60	#41	4X4	4.60	D-CB-41SB												1											
7B	S.R. 115	158+00.00	1.20	30	847.55	#41	4X4	4.55	D-CB-41SB												1											
7B	S.R. 115	161+00.00	1.20	31	857.10	#41	4X4	3.90	D-CB-41SB											1												
7B	S.R. 115	164+00.00	1.20	32	868.10	#41	4X4	4.00	D-CB-41SB											1												
6B	S.R. 115	147+75.00	-58.83	33	839.10	#41	4X4	4.00	D-CB-41SB											1												
6B	S.R. 115	149+30.00	-58.83	34	839.25	#41	4X4	5.25	D-CB-41SB												1											
6B	S.R. 115	149+30.00	-61.50	35	837.60	#41	4X4	3.90	D-CB-41SB											1												
6B	S.R. 115	149+75.00	-61.50	36	837.50	#41	4X4	7.85	D-CB-41SB												1											
6B	S.R. 115	149+75.00	-109.00	37	829.25	A EW			D-PE-1																							
6B	S.R. 115	150+25.00	-61.25	38	837.80	#41	4X4	7.65	D-CB-41SB												1											
6B	S.R. 115	151+25.00	-58.83	39	838.25	#41	4X4	5.75	D-CB-41SB												1											
6B	S.R. 115	151+75.00	-58.83	40	838.20	#41	4X4	6.40	D-CB-41SB												1											
6B	S.R. 115	151+75.00	-61.00	41	838.55	#41	4X4	7.30	D-CB-41SB												1											
7B	S.R. 115	152+25.00	-58.83	42	838.25	#41	4X4	5.00	D-CB-41SB												1											
7B	S.R. 115	152+75.00	-61.00	43	838.85	#41	4X4	4.00	D-CB-41SB											1												
7B	S.R. 115	154+75.00	-58.83	44	839.90	#41	4X4	4.00	D-CB-41SB											1												
7B	S.R. 115	157+75.00	-58.83	45	843.90	#41	4X4	4.00	D-CB-41SB											1												
7B	S.R. 115	158+40.00	-61.80	46	836.50	#41	4X4	5.90	D-CB-41SB												1											
7B	S.R. 115	158+40.00	-120.00	47	826.00	A EW			D-PE-1																							
7B	S.R. 115	158+90.00	-61.80	48	836.30	#41	4X4	5.00	D-CB-41SB												1											
7B	S.R. 115	159+40.00	-62.60	49	836.80	#41	4X4	5.00	D-CB-41SB												1											
7B	S.R. 115	159+40.00	-59.80	50	848.50	#41	4X4	16.00	D-CB-41SB														1									
7B	S.R. 115	160+75.00	-62.38	51	852.95	#41	4X4	4.50	D-CB-41SB												1											
7B	S.R. 115	162+25.00	-65.38	52	858.40	#41	4X4	4.50	D-CB-41SB												1											
7B	S.R. 115	163+00.00	-68.30	53	846.60	#41	4X4	4.00	D-CB-41SB											1												
7B	S.R. 115	163+75.00	-68.38	54	863.80	#41	4X4	4.00	D-CB-41SB											1												
8B	S.R. 115	169+50.00	1.20	55	865.65	#41	4X4	4.00	D-CB-41SB											1												
8B	S.R. 115	169+50.00	-81.15	56	863.80	#41	4X4	4.50	D-CB-41SB												1											
8B	S.R. 115	169+50.00	-83.00	57	844.30	#41	4X4	4.00	D-CB-41SB											1												
8B	S.R. 115	171+00.00	-90.36	58	861.80	#41	4X4	4.50	D-CB-41SB												1											
8B	S.R. 115	171+50.00	-98.70	59	838.35	#41	4X4	5.50	D-CB-41SB												1											
8B	S.R. 115	171+25.00	-144.00	60	827.00	A EW			D-PE-1																							
8B	S.R. 115	171+50.00	-94.00	61	861.65	#41	4X4	28.40	D-CB-41SB															1								
8B	S.R. 115	172+00.00	-106.10	62	838.10	#41	4X4	4.50	D-CB-41SB												1											
8B	S.R. 115	172+00.00	-103.24	63	861.90	#41	4X4	4.50	D-CB-41SB												1											
8B	S.R. 115	172+50.00	-115.50	64	838.50	#41	4X4	4.50	D-CB-41SB												1											
8B	S.R. 115	173+63.00	-179.00	65	834.55	U EW			D-PE-30A&B																							
8B	S.R. 115	174+46.20	-79.70	66	850.50	#42	4X4	5.80	D-CB-42SB																		1					
8B	S.R. 115	174+50.34	-162.12	67	868.55	#41	4X4	4.00	D-CB-41SB											1												
8B	S.R. 115	175+00.00	-178.65	68	850.70	#41	4X4	4.00	D-CB-41SB											1												
8B	S.R. 115	174+56.49	80.82	69	851.03	#43	4X4	4.90	D-CB-43SB																					1		
9B	S.R. 115	176+71.85	308.24	70	843.04	U EW			D-PE-24A&B																							
10B	CHEROKEE	100+00.00	28.35	71	883.50	U EW			D-PE-18A&B																							
10B	CHEROKEE	100+05.00	28.00	72	882.60	#12	4X4	4.60	D-CB-12SB					1																		
10B	CHEROKEE	100+00.00	-42.89	73	879.00	U EW			D-PE-18A&B																							
10B	CHEROKEE	100+05.00	-28.00	74	882.65	#12	4X4	4.50	D-CB-12SB					1																		
10B	CHEROKEE	101+92.12	45.3	75	873.55	#12	4X4	4.50	D-CB-12SB					1																		
10B	CHEROKEE	102+32.74	79.32	76	872.70	#12	4X4	4.50	D-CB-12SB					1																		
10B	CHEROKEE	101+75.00	-43.90	77	872.50	#12	4X4	4.50	D-CB-12SB					1																		
10B	CHEROKEE	102+79.13	88.92	78	872.70	#12	4X4	5.20	D-CB-12SB					1																		
10B	CHEROKEE	103+50.00	46.00	79	865.35	#12	4X4	4.50	D-CB-12SB					1																		
10B	CHEROKEE	103+50.00	-46.00	80	862.70	#12	4X4	4.50	D-CB-12SB					1																		
10B	CHEROKEE	104+75.00	-46.00	81	856.85	#12	4X4	4.50	D-CB-12SB					1																		
10B	CHEROKEE	105+34.37	63.73	82	862.90	#25	4X4	8.00	D-CB-25SB										1													
10B	CHEROKEE	105+35.00	46.00	83	857.30	#12	4X4	4.50	D-CB-12SB					1																		
10B	CHEROKEE	106+00.00	-46.00	84	852.75	#12	7X7	9.05	D-CB-12SD						1																	
10B	CHEROKEE	106+00.00	-84.00	85	849.00	#42	4X4	4.90	D-CB-42SB																		1					
10B	CHEROKEE	106+75.00	46.00	86	853.85	#12	4X4	4.50	D-CB-12SB					1																		
11B	CHEROKEE	108+00.00	-45.75	87	850.55	#12	7X7	7.95	D-CB-12SD					1																		
11B	CHEROKEE	109+50.00	-40.00	88	849.60	#12	7X7	7.80	D-CB-12SD					1																		
11B	CHEROKEE	110+75.00	-40.00	89	849.05	#12	4X4	4.55	D-CB-12SB					1																		
11B	CHEROKEE	111+25.00	-40.00	90	849.20	#12	4X4	4.00	D-CB-12SB					1																		
11B	CHEROKEE	109+50.00	51.50	91	849.40	#12	7X7	8.25	D-CB-12SD						1																	
11B	CHEROKEE	110+75.00	55.50	92	848.75	#12	4X4	4.65	D-CB-12SB					1																		
11B	CHEROKEE	109+50.00	86.00	93	840.95	A EW			D-PE-1																							
11B	CHEROKEE	111+25.00	57.00	94	848.85	#12	4X4	4.00	D-CB-12SB				1																			
11B	RAMPB	77+25.00	-20.00	95	851.30	#43	4X4	4.00	D-CB-43SB																			1				
11B	RAMPC	77+25.00	80.00	96	842.20	U EW			D-PE-24A&B																							
11B	RAMPB	75+98.67	47.00	97	845.71	#43	8X4	4.60	D-CB-43SB																					1		
11B	RAMPC	76+00.00	85.20	98	840.46	EW			D-PEW-3																							
11B	CHEROKEE	114+35.00	-40.00	99	855.30	#12	4X4	4.50	D-CB-12SB					1																		
11B	CHEROKEE	116+70.00	-40.00	100	867.60	#12	4X4	4.00	D-CB-12SB				1																			
11B	CHEROKEE	114+00.00	99.97	101	840.70	A EW			D-PE-1																							
11B	RAMPE	114+00.00	10.00	102	853.80	#12	4X4	5.70	D-CB-12SB					1																		
11B	CHEROKEE	114+00.00	38.00	103	854.30	#51	5'2" X 5'2"	5.75	D-CB-51SC																						1	

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2F2

REV. 9-11-23

REVISED ELEVATIONS FOR STRUCTURE NOS. 2, 3 AND 4 ON THE CATCH BASIN TAB BLOCK.

REV. 2-9-24

REVISED STRUCTURE NOS. 7 AND 9 ON THE CATCH BASIN TAB BLOCK.

REV. 3-29-24

REVISED STATION AND/OR OFFSETS FOR STRUCTURE NOS. 5, 9, 13, 16, 18, 19, 21, 23, 24, 33-36, 38-46, 50-52, 54, 56, 58, 59, 63, 64, 67, 91 AND 103.

REV. 5-20-24

REVISED STR. NOS. 10, 16, 28, 31, 51, 52, 54, 84, 85, 87, 97, 98 AND 103.

REVISED ELEVATION OF STR. NO. 24.

REV. 7-14-25

REVISED STR. NOS. 6, 7, 9, 11, 12, 13 AND 16

REV. 8-14-25

REVISED STR. NOS. 46, 48, 49, 59, 62, 64, 65 AND 68

SEALED BY

GREGORY A. GARRISON REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 107001 STATE OF TENNESSEE

8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

8/14/2025 2:42:01 PM
L:\TDOT\00903\CONST - TABULATED QUANTITIES.SHT

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	MANHOLE 611-01.02	CATCH BASINS: SPRING DRAIN BOX 611-02.01	JUNCTION BOX 611-02.11	TYPE 12 C.B. 611-12.01 0' - 4'	TYPE 12 C.B. 611-12.02 4' - 8'	TYPE 12 C.B. 611-12.03 8' - 12'	TYPE 12 C.B. 611-12.04 12'-16'	TYPE 12 C.B. 611-12.05 16' - 20'	TYPE 25 C.B. 611-25.01 0' - 4'	TYPE 25 C.B. 611-25.02 4' - 8'	TYPE 41 C.B. 611-41.01 0' - 4'	TYPE 41 C.B. 611-41.02 4' - 8'	TYPE 41 C.B. 611-41.03 8' - 12'	TYPE 41 C.B. 611-41.04 12' - 16'	TYPE 41 C.B. 611-41.05 16' - 20'	TYPE 41 C.B. 611-41.08 > 28'	TYPE 42 C.B. 611-42.01 0' - 4'	TYPE 42 C.B. 611-42.02 4' - 8'	TYPE 42 C.B. 611-42.08 > 28'	TYPE 43 C.B. 611-43.01 0'- 4'	TYPE 43 C.B. 611-43.02 4' - 8'	TYPE 51 C.B. 611-51.02 4' - 8'
11B	CHEROKEE	115+90.00	38.00	104	861.90	#51	5'2" X 5'2"	4.70	D-CB-51SC																						1
11B	RAMPE	116+00.00	10.00	105	857.85	#12	4X4	5.00	D-CB-12SB					1																	
11B	CHEROKEE	117+00.00	38.00	106	867.25	#51	5'2" X 5'2"	4.70	D-CB-51SC																						1
11B	RAMPF	117+00.00	10.00	107	858.40	#12	4X4	5.00	D-CB-12SB					1																	
11B	CHEROKEE	118+20.00	41.50	108	874.10	#51	5'2" X 5'2"	4.50	D-CB-51SC																						1
11B	RAMPE	118+25.00	10.00	109	859.05	#12	4X4	5.00	D-CB-12SB					1																	
11B	CHEROKEE	118+75.00	129.00	110	840.00	U EW			D-PE-18A&B																						
9B	RAMPE	120+00.00	10.00	111	859.85	#12	4X4	4.50	D-CB-12SB					1																	
9B	RAMPE	120+00.00	-20.00	112	860.20	#12	4X4	4.00	D-CB-12SB				1																		
9B	CHEROKEE	119+50.00	-47.15	113	881.90	#12	4X4	4.00	D-CB-12SB				1																		
9B	S.R. 115	177+00.00	-237.00	114	870.33	#42	4X4	4.00	D-CB-42SB																	1					
9B	CHEROKEE	122+50.00	-52.00	115	897.70	#12	4X4	4.00	D-CB-12SB					1																	
9B	CHEROKEE	122+57.00	57.00	116	899.60	#12	4X4	7.10	D-CB-12SB					1																	
9B	HOSPITAL	50+88.00	-36.50	117	898.30	#12	4X4	4.50	D-CB-12SB					1																	
9B	HOSPITAL	50+81.00	37.00	118	898.30	#42	4X4	4.00	D-CB-42SB																	1					
9B	CHEROKEE	123+85.00	202.00	119	877.18	#42	4X4	5.00	D-CB-42SB																		1				
9B	RAMPE	123+00.00	-19.00	120	865.15	#12	4X4	5.50	D-CB-12SB					1																	
9B	S.R. 115	183+12.21	315.84	121	864.60	#12	7X7	6.00	D-CB-12SD					1																	
9B	S.R. 115	184+13.03	208.59	122	874.90	#12	4X4	6.00	D-CB-12SB					1																	
14B	S.R. 115	185+36.30	133.32	123	891.50	#12	4X4	5.00	D-CB-12SB					1																	
14B	S.R. 115	185+24.21	101.54	124	892.50	#12	4X4	4.50	D-CB-12SB					1																	
14B	S.R. 115	185+05.00	69.00	125	905.60	#41	4X4	17.00	D-CB-41SB															1							
14B	S.R. 115	186+29.58	106.03	126	901.50	#12	4X4	4.50	D-CB-12SB					1																	
14B	S.R. 115	188+00.00	69.00	127	921.95	#41	4X4	13.10	D-CB-41SB														1								
14B	S.R. 115	188+00.00	99.00	128	912.35	#12	4X4	4.50	D-CB-12SB					1																	
14B	S.R. 115	191+00.00	69.00	129	931.80	#41	4X4	5.30	D-CB-41SB												1										
14B	S.R. 115	191+00.00	99.00	130	930.30	#25	4X4	6.50	D-CB-25SB										1												
9B	RAMPE	121+75.00	22.00	131	860.70	#12	4X4	6.00	D-CB-12SB					1																	
9B	RAMPE	121+10.00	58.00	132	857.82	#42	4X4	6.25	D-CB-42SB																		1				
9B	RAMPF	135+00.00	10.00	133	859.35	#12	9X9	8.50	D-CB-12SE						1																
9B	RAMPE	124+00.00	-20.00	134	870.94	#12	4X4	5.00	D-CB-12SB					1																	
9B	HOSPITAL	53+17.00	-79.00	135	892.00	#42	4X4	4.00	D-CB-42SB																	1					
9B	HOSPITAL	53+25.00	-35.10	136	909.55	#12	4X4	4.50	D-CB-12SB					1																	
9B	CHEROKEE	122+44.50	63.15	137	899.20	JB		6.00	D-JBS-2			1																			
9B	RAMPF	134+00.00	10.00	138	858.25	#12	7X7	8.00	D-CB-12SD					1																	
13B	RAMPF	132+37.00	10.00	139	856.60	#12	7X7	7.10	D-CB-12SD					1																	
13B	RAMPH	150+85.00	-8.00	140	857.20	#12	4X4	4.00	D-CB-12SB				1																		
13B	RAMPH	150+64.74	25.59	141	855.35	#12	7X7	7.00	D-CB-12SD					1																	
13B	RAMPH	150+26.94	25.73	142	853.85	#12	4X4	4.00	D-CB-12SB				1																		
13B	RAMPF	132+40.00	-20.00	143	855.90	#12	7X7	7.30	D-CB-12SD					1																	
13B	RAMPF	132+16.24	-29.03	144	852.87	EX CB		8.68																							
14B	LIFE STAR	27+60.00	15.00	145	931.90	#12	4X4	4.55	D-CB-12SB					1																	
10B	CHEROKEE	102+25.00	80.00	146	871.50	#43	32"X32"	3.00	D-CB-42S																	1					
9B	CHEROKEE	129+47.00	-49.20	147	900.65	#12	4X4	4.00	D-CB-12SB				1																		
9B	CHEROKEE	130+00.00	47.00	148	898.35	#12	4X4	6.00	D-CB-12SB					1																	
12B	CHEROKEE	131+87.00	41.00	149	893.90	#12	4X4	4.50	D-CB-12SB					1																	
12B	CHEROKEE	132+43.00	39.00	150	893.80	#12	4X4	7.50	D-CB-12SB					1																	
12B	CHEROKEE	133+08.00	37.00	151	894.15	#12	4X4	4.00	D-CB-12SB				1																		
12B	CHEROKEE	131+77.00	-41.00	152	896.60	#12	4X4	4.00	D-CB-12SB				1																		
12B	CHEROKEE	132+32.00	-39.50	153	896.15	#12	4X4	10.85	D-CB-12SB						1																
12B	CHEROKEE	132+96.00	-37.35	154	896.30	#12	4X4	12.00	D-CB-12SB						1																
12B	CHEROKEE	134+63.91	49.60	155	896.90	MH	4' DIA	56.42	D-MH-2	1																					
12B	CHEROKEE	134+79.00	138.00	156	897.90	#42	4X4	56.90	D-CB-42SB																			1			
12B	CHEROKEE	132+43.00	54.00	157	892.50	#42	4X4	5.50	D-CB-42SB																		1				
12B	CHEROKEE	138+88.00	-22.00	158	905.90	#12	4X4	4.40	D-CB-12SB					1																	
12B	CHEROKEE	138+88.00	22.00	159	905.90	#12	32"X32"	3.77	D-CB-12LP				1																		
				160																											
11B	CHEROKEE	114+59.00	-82.00	161	847.25	U EW			D-PE-24A&B																						
11B	CHEROKEE	116+60.00	-133.00	162	840.50	U EW			D-PE-24A&B																						
14B	HOSPITAL	55+00.00	-78.00	163	906.75	U EW			D-PE-30A&B																						
14B	HOSPITAL	55+00.00	-30.00	164	918.10	#12	4X4	10.60	D-CB-12SB						1																
14B	HOSPITAL	55+52.00	30.00	165	920.15	#12	4X4	11.85	D-CB-12SB						1																
14B	HOSPITAL	56+00.00	30.00	166	920.75	#12	7X7	11.95	D-CB-12SD						1																
14B	HOSPITAL	57+50.00	30.00	167	923.20	#12	7X7	13.20	D-CB-12SD							1															
14B	HOSPITAL	59+00.00	30.00	168	926.60	#12	7X7	15.35	D-CB-12SD							1															
14B	HOSPITAL	59+00.00	-30.00	169	927.30	#12	7X7	15.40	D-CB-12SD							1															
14B	RAMPJ	190+35.00	-24.00	170	930.00	#12	4X4	16.60	D-CB-12SB								1														
14B	RAMPJ	190+85.00	10.00	171	930.55	#12	4X4	16.05	D-CB-12SB								1														
14B	HOSPITAL	61+90.00	-20.00	172	929.85	#12	4X4	5.00	D-CB-12SB					1																	
14B	HOSPITAL	61+90.00	20.00	173	929.85	#12	4X4	4.00	D-CB-12SB				1																		
14B	RAMPJ	191+83.66	39.70	174	916.08	WW			STD-17-11																						
14B	RAMPD	94+34.21	24.70	175	919.50	WW			STD-17-11																						
15B	S.R. 115	199+95.00	97.25	176	915.60	#41	4X4	4.65	D-CB-41SB												1										
15B	S.R. 115	199+95.00	69.00	177	917.75	#41	4X4	4.50	D-CB-41SB												1										
15B	S.R. 115	201+60.00	133.00	178	906.05	#41	4X4	4.50	D-CB-41SB												1										
14B	RAMPJ	191+80.00	68.00	179	915.00	U EW			D-PE-18A&B																						
15B	S.R. 115	201+60.00	133.00	180	912.00	MH	4' DIA	10.00	D-MH-2	1																					
15B	S.R. 115	205+80.00	109.00	181	877.00	U EW			D-PE-24A&B																						
16B	S.R. 115	208+75.00	108.25	182	869.25	JB		4.50	D-JBS-2			1																			
16B	S.R. 115	207+85.08	101.16	183	869.75	JB		4.00	D-JBS-2			1																			
16B	S.R. 115	209+41.83	112.68	184	864.00	U EW			D-PE-30A&B																						
13B	RAMP I	201+15.00	-20.00	185	906.35	#12	4X4	4.00	D-CB-12SB				1																		
13B	RAMP I	201+15.00	20.00	186	906.35	#12	4X4	4.50	D-CB-12SB					1																	
13B	RAMP I	200+06.00	58.27	187	899.12	EX CB		5.46																							
6B	S.R. 115	148+40.48	129.28	188	826.00	U EW			D-PE-18A&B																						
6B	S.R. 115	147+35.73	51.53	189	823.20	TIE																									
10B	CHEROKEE	105+35.00	-68.50	190	851.35	SD		6.00	D-SDS-1		1																				
10B	CHEROKEE	105+03.00	-42.00	191	850.00	SD		4.00	D-SDS-1		1																				
11B	CHEROKEE	117+25.24	-104.70	192	837.16	A EW			D-PE-1																						
10B	CHEROKEE	102+80.00	40.00	193	865.75	JB		4.00	D-JBS-2			1																			
4B	WOODSON	15+00.00	24.00	194	815.90	U EW			D-PE-9A&B																						
4B	WOODSON	15+00.00	-22.00	195	815.50	U EW			D-PE-9A&B																						
12B	CHEROKEE	139+22.34	-38.50	196	901.00	U EW			D-PE-24A&B																						
15B	S.R. 115	197+50.00	106.53	197	929.55	#12	4X4	4.00	D-CB-12SB				1																		
15B	S.R. 115	197+50.00	69.00	198	930.40	#41	4X4	4.00	D-CB-41SB											1											
9B	S.R. 115	182+00.00	-80.00	199	883.20	#42	4X4	4.50	D-CB-42SB																		1				
9B	S.R. 115	179+65.00	-80.00	200	868.00	U EW			D-PE-18A&B																						
8B	RAMPC	79+70.56	49.00	201	848.20	#42	4X4	4.50	D-CB-42SB																		1				
8B	RAMPC	79+00.53	45.97	202	842.20	U EW			D-PE-24A&B																						
13G	LIFESTAR	12+50.00	12.00	203	901.75	#12	4X4	3.80	D-CB-12SB				1																		
13G	LIFESTAR	13+25.00	12.00	204	910.05	#12	4X4	5.15	D-CB-12SB					1																	
14B	HOSPITAL	56+00.00	-2.00	205	921.55	#25	4X4	4.00	D-CB-25SB									1													
14B	S.R. 115	188+00	-227.00	206	909.50	U EW			D-PE-18A&B																						
14B	S.R. 115	191+78.00	-131.00	207	919.00	JB	4X4	7.25	D-JBS-2			1																			
14B	S.R. 115	192+00.00	-139.89	208	926.50	U EW			D-PE-18A&B																						
13B	HOSPITAL	54+37.56	303.09	209	890.38	EX CB		5.44																							
13B	HOSPITAL	53+67.16	329.35	210	883.11	EX CB		4.40																							
13B	HOSPITAL	53+42.76	411.99	211	882.44	EX MH		8.71																							
14B	S.R. 115	190+50.00	-143.72	212	925.57	#41	4X4	14.30	D-CB-41SB														1								

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2F3

REV. 9-11-23

REVISED ELEVATIONS FOR STRUCTURE NOS. 158, 159, 160 AND 196 ON THE CATCH BASIN TAB BLOCK.

REV. 2-9-24

REVISED STRUCTURE NOS. 153, 154, 155, 156 AND 157 ON THE CATCH BASIN TAB BLOCK.

REMOVED STRUCTURE NOS. 137, 203 AND 204

REV. 3-29-24

REVISED STATION AND/OR OFFSETS FOR STRUCTURE NOS. 104, 106, 108, 127, 129, 157, 175, 179, 181 AND 206.

ADDED STR. NOS. 146, 161, 162, 203 AND 204.

REVISED STR. NOS. 115, 116, 119 AND 139-143.

REMOVED STR. NO. 114.

REV. 5-20-24

ADDED STR. NOS. 114 AND 145.

REVISED STR. NOS. 104, 106, 108, 120, 121, 122, 124, 135, 136, 141, 146, 176, 177 AND 196.

REV. 7-17-24

REVISED STR-134 AND STR-135.

REV 7-14-25

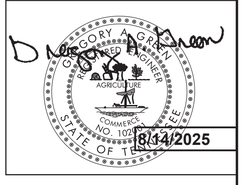
REVISED STR. NOS. 164-171, 174, 179, 206, 207 AND 212.

REV 8-14-25

REVISED STR. NOS. 150, 153-159, 176, 178, 180, 181, 196 AND 197.

ELEMINATED STR. NO. 160.

SEALED BY



8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

8/14/2025 2:42:25 PM
L:\TDOT\00903\CONST - TABULATED QUANTITIES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2F4

CATCH BASINS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	MANHOLE 611-01.02	SPRING DRAIN BOX 611-02.01	JUNCTION BOX 611-02.11	TYPE 12 C.B. 611-12.01 0' - 4'	TYPE 12 C.B. 611-12.02 4' - 8'	TYPE 12 C.B. 611-12.03 8' - 12'	TYPE 12 C.B. 611-12.04 12'-16'	TYPE 12 C.B. 611-12.05 16' - 20'	TYPE 25 C.B. 611-25.01 0' - 4'	TYPE 25 C.B. 611-25.02 4' - 8'	TYPE 41 C.B. 611-41.01 0' - 4'	TYPE 41 C.B. 611-41.02 4' - 8'	TYPE 41 C.B. 611-41.03 8' - 12'	TYPE 41 C.B. 611-41.04 12' - 16'	TYPE 41 C.B. 611-41.05 16' - 20'	TYPE 41 C.B. 611-41.08 > 28'	TYPE 42 C.B. 611-42.01 0' - 4'	TYPE 42 C.B. 611-42.02 4' - 8'	TYPE 42 C.B. 611-42.08 > 28'	TYPE 43 C.B. 611-43.01 0'- 4'	TYPE 43 C.B. 611-43.02 4' - 8'	TYPE 51 C.B. 611-51.02 4' - 8'	REMARKS
14B	S.R. 115	189+07.71	-177.93	213	919.00	#41	4X4	8.75	D-CB-41SB													1										
13G	LIFE STAR	9+83.12	8.40	214	885.75	MH	4' DIA	6.40	D-MH-2	1																						
13G	LIFE STAR	10+10.00	12.00	215	887.20	#12	32"X32"	4.40	D-CB-12LP					1																		
13G	LIFE STAR	11+85.00	12.00	216	896.20	#12	32"X32"	4.40	D-CB-12LP					1																		
13G	LIFE STAR	12+85.00	12.00	217	905.50	#12	32"X32"	3.80	D-CB-12LP				1																			
13G	LIFE STAR	10+16.00	-12.00	218	887.85	#12	32"X32"	3.80	D-CB-12LP				1																			
13G	LIFE STAR	12+49.00	-33.50	219	904.38	EX CB		4.46																								
13G	LIFE STAR	13+75.00	12.00	220	914.80	#12	32"X32"	3.80	D-CB-12LP				1																			
13G	LIFE STAR	13+25.00	-12.00	221	909.10	#12	32"X32"	3.80	D-CB-12LP				1																			
13G	LIFE STAR	13+78.00	-21.00	222	917.10	JB	4X4	4.00	D-JBS-2			1																				
13G	LIFE STAR	15+34.00	15.00	223	921.90	#12	4X4	5.00	D-CB-12SB					1																		
13G	LIFE STAR	15+34.00	-15.00	224	921.30	#12	32"X32"	3.80	D-CB-12LP				1																			
13G	LIFE STAR	16+10.00	15.00	225	927.60	#12	4X4	5.30	D-CB-12SB					1																		
13G	LIFE STAR	16+92.00	15.00	226	933.85	#12	4X4	5.60	D-CB-12SB					1																		
13G	LIFE STAR	19+03.53	15.00	227	934.65	#12	4X4	4.35	D-CB-12SB					1																		
13G	LIFE STAR	19+03.53	-15.00	228	934.65	#12	4X4	3.85	D-CB-12SB				1																			
13G	LIFE STAR	20+50.00	-15.00	229	938.60	#12	4X4	6.00	D-CB-12SB					1																		
13B	LIFE STAR	21+50.00	-15.00	230	945.05	#12	32"X32"	3.80	D-CB-12LP				1																			
14B	LIFE STAR	26+65.00	15.00	231	933.30	#12	4X4	3.90	D-CB-12SB				1																			
14B	LIFE STAR	27+60.00	-15.00	232	931.90	#12	4X4	4.90	D-CB-12SB					1																		
14B	LIFE STAR	27+96.00	15.00	233	931.55	#12	32"X32"	3.80	D-CB-12LP				1																			
14B	LIFE STAR	29+90.00	9.00	234	929.60	#12	32"X32"	3.80	D-CB-12LP				1																			
14B	LIFE STAR	29+90.00	-15.00	235	929.50	#12	4x4	4.20	D-CB-12SB					1																		
14B	LIFE STAR	29+90.00	-29.00	236	925.00	U EW			D-PE-18A&B																							
15B	S.R. 115	198+00.00	-1.20	237	933.75	#41	4X4	4.00	D-CB-41SB											1												
15B	S.R. 115	200+75.00	-1.20	238	918.25	#41	4X4	4.00	D-CB-41SB											1												
15B	S.R. 115	203+50.00	-1.20	239	902.00	#41	4X4	4.00	D-CB-41SB											1												
15B	S.R. 115	206+25.00	-1.20	240	885.85	#41	4X4	4.50	D-CB-41SB												1											
16B	S.R. 115	208+75.00	-1.20	241	875.25	#41	4X4	4.50	D-CB-41SB												1											
4B	S.R. 115	127+90.00	120.00	242	828.60	U EW			D-PE-18A&B																							
4B	S.R. 115	127+83.00	140.00	243	834.65	#12	4x4	6.45	D-CB-12SB					1																		
4B	WOODSON	12+08.00	82.00	244	832.00	#42	32"X32"	3.50	D-CB-42S																		1					
4B	WOODSON	13+50.00	-32.00	245	827.00	U EW			D-PE-24A&B																							
4B	S.R. 115	127+33.00	189.00	246	834.00	MH	4' DIA	19.00	D-MH-2	1																						
11B	CHEROKEE	114+35.00	-71.00	247	848.85	U EW			D-PE-18A&B																							
11B	CHEROKEE	116+70.00	-107.00	248	839.50	U EW			D-PE-18A&B																							
14B	LIFE STAR	28+00.00	-33.75	249	931.05	#12	4X4	4.50	D-CB-12SB					1																		
14B	LIFE STAR	26+65.00	-15.00	250	933.30	#12	4X4	4.40	D-CB-12SB																							
4B	S.R. 115	125+50.00	-45.30	251	842.50	#41	4X4	4.00	D-CB-41SB					1						1												
8B	S.R. 115	173+88.57	-148.80	252	843.25	#41	4X4	6.15	D-CB-41SB												1											
12B	CHEROKEE	132+88.70	-65.35	253	887.00	MH	5' DIA	15.00	D-MH-2	1																						
12B	CHEROKEE	132+83.34	-94.50	254	869.00	MH	5' DIA	15.00	D-MH-2	1																						
12B	CHEROKEE	132+78.79	-123.75	255	851.00	MH	5' DIA	15.00	D-MH-2	1																						
12B	CHEROKEE	132+75.00	-152.00	256	834.50	A EW			D-PEW-2																							
15B	S.R. 115	204+91.00	118.40	257	891.75	EX CB																										
15B	S.R. 115	204+90.00	88.65	258	887.20	#41	4X4	4.45	D-CB-41SB												1											
15B	S.R. 115	205+45.00	86.50	259	883.85	#41	4X4	4.45	D-CB-41SB												1											
12B	CHEROKEE	134+88.00	42.00	260	899.80	MH	4' DIA	6.00	D-MH-2	1																						
12B	CHEROKEE	134+74.00	-42.00	261	900.00	MH	4' DIA	7.00	D-MH-2	1				1						1												
TOTALS										9	2	6	24	63	8	3	2	1	2	20	35	4	9	1	1	5	10	1	1	2	4	

REV. 9-11-23

REVISED ELEVATIONS FOR STRUCTURE NO. 243 ON THE CATCH BASINS TAB, THE ENDWALL TAB AND THE STORM DRAINAGE PIPE TAB.

ADDED STRUCTURE NOS. 244 AND 245 ON THE CATCH BASINS TAB, THE ENDWALL TAB AND THE STORM DRAINAGE PIPE TAB.

REV. 2-9-24

REVISED STRUCTURE NOS. 242 AND 243 ON THE CATCH BASIN TAB BLOCK AND FROM THE STROM DRAINAGE PIPE TAB BLOCK.

REV. 3-29-24

REVISED STATION AND/OR OFFSETS FOR STRUCTURE NOS. 217 AND 244.

ADDED ITEM NOS. 607-05.03, 607-06.03 AND 607-06.04.

ADDED STR. NOS. 203 AND 204.

REV. 5-20-24

ADDED STR. NO. 145.

REVISED LOCATION OF STR. NO. 244.

REVISED STR. NO. 217.

REV. 7-17-24

ADDED STR-246.

REVISED ITEM NO. 607-03.02, 607-05.02, 607-06.02, 607-06.04, 607-07.02, 611-01.02, 611-07.54, 611-12.02, 611-07.60 AND 611-42.01.

REV 7-14-25

REVISED STR. NOS. 212 AND 213.

ADDED STR. NOS. 247, 248, 249, 250 AND 251.

REV 8-14-25

ADDED STR. NOS. 252-261.

ENDWALLS

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	CONCRETE CLASS A 611-07.01	STEEL REINF. 611-07.02	18" EW 3:1 611-07.54	18" EW 4:1 611-07.55	18" EW 6:1 611-07.56	24" EW 3:1 611-07.57	24" EW 4:1 611-07.58	24" EW 6:1 611-07.59	30" EW 3:1 611-07.60	30" EW 4:1 611-07.61	42" EW 3:1 611-07.66	REMARKS
13B	HOSPITAL	53+67.16	329.35	210	883.11	EX CB		4.40													
13B	HOSPITAL	53+42.76	411.99	211	882.44	EX MH		8.71													
14B	S.R. 115	190+50.00	-143.72	212	925.57	#41	4X4	14.30	D-CB-41SB												
14B	S.R. 115	189+07.71	-177.93	213	919.00	#41	4X4	8.75	D-CB-41SB												
13G	LIFE STAR	9+83.12	8.40	214	885.75	MH	4' DIA	6.40	D-MH-2												
13G	LIFE STAR	10+10.00	12.00	215	887.20	#12	32"X32"	4.40	D-CB-12LP												
13G	LIFE STAR	11+85.00	12.00	216	896.20	#12	32"X32"	4.40	D-CB-12LP												
13G	LIFE STAR	12+85.00	12.00	217	905.50	#12	32"X32"	3.80	D-CB-12LP												
13G	LIFE STAR	10+16.00	-12.00	218	887.85	#12	32"X32"	3.80	D-CB-12LP												
13G	LIFE STAR	12+49.00	-33.50	219	904.38	EX CB		4.46													
13G	LIFE STAR	13+75.00	12.00	220	914.80	#12	32"X32"	3.80	D-CB-12LP												
13G	LIFE STAR	13+25.00	-12.00	221	909.10	#12	32"X32"	3.80	D-CB-12LP												
13G	LIFE STAR	13+78.00	-21.00	222	917.10	JB	4X4	4.00	D-JBS-2												
13G	LIFE STAR	15+34.00	15.00	223	921.90	#12	4X4	4.00	D-CB-12SB												
13G	LIFE STAR	15+34.00	-15.00	224	921.30	#12	32"X32"	3.80	D-CB-12LP												
13G	LIFE STAR	16+10.00	15.00	225	927.60	#12	4X4	5.30	D-CB-12SB												
13G	LIFE STAR	16+92.00	15.00	226	933.85	#12	4X4	5.60	D-CB-12SB												
13G	LIFE STAR	19+03.53	15.00	227	934.65	#12	4X4	4.35	D-CB-12SB												
13G	LIFE STAR	19+03.53	-15.00	228	934.65	#12	4X4	4.05	D-CB-12SB												
13G	LIFE STAR	20+50.00	-15.00	229	938.60	#12	4X4	6.00	D-CB-12SB												
13B	LIFE STAR	21+50.00	-15.00	230	945.05	#12	32"X32"	3.80	D-CB-12LP												
14B	LIFE STAR	26+65.00	15.00	231	933.30	#12	4X4	3.90	D-CB-12SB												
14B	LIFE STAR	27+60.00	-15.00	232	931.90	#12	4X4	4.90	D-CB-12SB												
14B	LIFE STAR	27+96.00	15.00	233	931.55	#12	32"X32"	3.80	D-CB-12LP												
14B	LIFE STAR	29+90.00	9.00	234	929.60	#12	32"X32"	3.80	D-CB-12LP												
14B	LIFE STAR	29+90.00	-15.00	235	929.50	#12	4x4	4.20	D-CB-12SB												
14B	LIFE STAR	29+90.00	-29.00	236	925.00	U EW			D-PE-18A&B				1								
15B	S.R. 115	198+00.00	-1.20	237	933.75	#41	4X4	4.00	D-CB-41SB												
15B	S.R. 115	200+75.00	-1.20	238	918.25	#41	4X4	4.00	D-CB-41SB												
15B	S.R. 115	203+50.00	-1.20	239	902.00	#41	4X4	4.00	D-CB-41SB												
15B	S.R. 115	206+25.00	-1.20	240	885.85	#41	4X4	4.50	D-CB-41SB												
16B	S.R. 115	208+75.00	-1.20	241	875.25	#41	4X4	4.50	D-CB-41SB												
4B	S.R. 115	127+90.00	120.00	242	828.60	U EW			D-PE-18A&B				1								
4B	S.R. 115	127+83.00	140.00	243	834.65	#12	4x4	6.45	D-CB-12SB												
4B	WOODSON	12+08.00	82.00	244	832.00	#42	32"X32"	3.50	D-CB-42S												
4B	WOODSON	13+50.00	-32.00	245	827.00	U EW			D-PE-24A&B						1						
4B	S.R. 115	127+33.00	189.00	246	834.00	MH	4' DIA	19.00	D-MH-2												
11B	CHEROKEE	114+35.00	-71.00	247	848.85	U EW			D-PE-18A&B				1								
11B	CHEROKEE	116+70.00	-107.00	248	839.50	U EW			D-PE-18A&B			1									
14B	LIFE STAR	28+00.00	-33.75	249	931.05	#12	4X4	4.50	D-CB-12SB												
14B	LIFE STAR	26+65.00	-15.00	250	933.30	#12	4X4	4.40	D-CB-12SB												
4B	S.R. 115	125+50.00	-45.30	251	842.50	#41	4X4	4.00	D-CB-41SB												
8B	S.R. 115	173+88.57	-148.80	252	843.25	#41	4X4	6.15	D-CB-41SB												
12B	CHEROKEE	132+88.70	-65.35	253	887.00	MH	5' DIA	15.00	D-MH-2												
12B	CHEROKEE	132+83.34	-94.50	254	869.00	MH	5' DIA	15.00	D-MH-2												
12B	CHEROKEE	132+78.79	-123.75	255	851.00	MH	5' DIA	15.00	D-MH-2												
12B	CHEROKEE	132+75.00	-152.00	256	834.50	A EW			D-PEW-2	3	109										
15B	S.R. 115	204+91.00	118.40	257	891.75	EX CB															
15B	S.R. 115	204+90.00	88.65	258	887.20	#41	4X4	4.45	D-CB-41SB												
15B	S.R. 115	205+45.00	86.50	259	883.85	#41	4X4	4.45	D-CB-41SB												
12B	CHEROKEE	134+88.00	42.00	260	899.80	MH	4' DIA	6.00	D-MH-2												
12B	CHEROKEE	134+74.00	-42.00	261	900.00	MH	4' DIA	7.00	D-MH-2												
TOTALS										45.34	1294	7	4	0	3	2	4	1	2	1	

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.02 18" (L.F.)	RCP CLASS III 607-05.02 24" (L.F.)	RCP CLASS III 607-06.02 30" (L.F.)	RCP CLASS III 607-07.02 36" (L.F.)	RCP CLASS III 607-08.02 42" (L.F.)	RCP CLASS III 607-09.02 48" (L.F.)	RCP CLASS III 607-11.03 60" (L.F.)	RCP CLASS IV 16'-24' 607-03.03 18" (L.F.)	RCP CLASS IV 16'-24' 607-06.03 30" (L.F.)	RCP CLASS V 24'-28' 607-03.04 18" (L.F.)	RCP CLASS V 24'-28' 607-05.04 24" (L.F.)	RCP CLASS V 24'-28' 607-06.04 30" (L.F.)	HDPE 607-03.30 18" (L.F.)	HDPE 607-05.30 24" (L.F.)	SLOTTED DRAIN 607-45.02 18" (L.F.)
13B/13G	230	941.25	229	932.80	8.45	100														
13G	229	932.60	228	931.00	1.10	146														
13G	228	930.80	227	930.50	1.00	30														
13G	227	930.30	226	928.45	0.88	211														
13G	226	928.25	225	922.50	7.67	75														
13G	225	922.30	223	917.10	6.34	82														
13G	224	917.50	223	917.10	1.33	30														
13G	223	916.90	220	911.20	3.80	150														
13G	220	911.00	204	905.05	11.90	50														
13G	222	913.10	221	905.50	15.20	50														
13G	221	905.30	204	905.05	1.04	24														
13G	204	904.85	217	901.90	7.38	40														
13G	217	901.70	203	898.15	10.14	35														
13G	219	899.92	203	898.15	3.93	45														
13G	203	897.95	216	892.00	9.15	65														
13G	216	891.80	215	883.00	5.18		170													
13G	218	884.05	215	883.00	4.37	24														
13G	215	882.80	214	879.59	12.35		26													
14B	231	929.40	250	929.10	1.07	28														
14B	250	928.90	232	927.20	1.81	94														
14B	232	927.00	249	926.75	0.57	44														
14B	249	926.55	173	926.05	0.54	92														
14B	233	927.75	145	927.55	0.56	36														
14B	145	927.35	232	927.20	0.54	28														
14B	232	927.00	249	926.75	0.57	44														
14B	234	925.80	235	925.50	1.25	24														
14B	235	925.30	236	925.00	2.00	15														
15B	237	929.75	238	914.45	5.56	275														
15B	238	914.25	239	898.20	5.84	275														
15B	239	898.00	240	881.55	5.98	275														
15B/16B	240	881.35	241	870.95	4.16		250													
16B	241	870.75	182	865.54	4.82		108													
4B	242	828.60	243	828.40	0.91	22														
4B	243	828.20	246	827.50	1.06		66													
4B	246	815.00	1	814.00	8.33		12													
4B	244	828.50	245	827.00	0.96		156													
12B	154	884.30	253	882.00	8.21				28											
12B	253	872.00	254	864.00	28.57				28											
12B	254	854.00	255	846.00	28.57				28											
12B	255	836.00	236	834.50	5.36				28											
15B	178	901.60	258	882.95	6.07		307													
15B	257	886.92	258	882.95	15.27	26														
15B	258	882.75	259	879.60	6.56		48													
15B	259	879.40	181	877.00	6.67		36													
12B	260	883.80	261	883.00	0.96		83													
TOTALS						11974	6318	756	1217	335	521	35	248	0	5	0	126	106	281	35

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102...
STATE OF TENNESSEE

8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

8/14/2025 2:42:46 PM
L:\TDOT\00903\CONST - TABULATED QUANTITIES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2F5

REV. 3-29-24

REVISED STATION AND/OR OFFSETS FOR STRUCTURE NOS. 5, 9, 13, 16, 18, 19, 21, 23, 24, 33-36, 38-46, 50-52, 54, 56, 58, 59, 63, 64, 67, 91 AND 103.

REV. 5-20-24

REVISED STR. NOS. 10, 16, 28, 31, 51, 52, 54, 84, 85, 87, 97,98 AND 103.

REVISED ELEVATION OF STR. NO. 24.

REV. 8-14-25

REVISED STR. NOS. 46, 48, 49, 59, 62, 64, 65 AND 68

										ENDWALLS											
SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	CONCRETE CLASS A 611-07.01	STEEL REINF. 611-07.02	18" EW 3:1 611-07.54	18" EW 4:1 611-07.55	18" EW 6:1 611-07.56	24" EW 3:1 611-07.57	24" EW 4:1 611-07.58	24" EW 6:1 611-07.59	30" EW 3:1 611-07.60	30" EW 4:1 611-07.61	42" EW 3:1 611-07.66	REMARKS
4B	WOODSON	127+23.24	197.90	1	814.00	U EW			D-PE-24A&B						1						
4B	WOODSON	11+70.00	4.01	2	839.45	#12	4X4	4.75	D-CB-12SB												
4B	WOODSON	11+73.00	-9.37	3	839.90	#12	4X4	4.50	D-CB-12SB												
4B	WOODSON	10+85.00	-39.20	4	843.65	#12	4X4	7.65	D-CB-12SB												
4B	S.R. 115	130+50.00	59.00	5	842.80	#41	4X4	5.80	D-CB-41SB												
4B	S.R. 115	129+77.00	4.60	6	845.80	#41	7X7	7.80	D-CB-41SD												
4B	S.R. 115	127+25.00	4.60	7	844.20	#41	4X4	4.05	D-CB-41SB												
4B	S.R. 115	129+00.00	-91.00	8	835.00	U EW			D-PE-18A&B			1									
4B	S.R. 115	129+00.00	-46.35	9	846.55	#41	4X4	4.55	D-CB-41SB												
5B	S.R. 115	136+18.00	102.00	10	837.50	#42	4X4	4.50	D-CB-42SB												
5B	S.R. 115	136+25.00	4.60	11	845.15	#41	4X4	13.05	D-CB-41SB												
5B	S.R. 115	138+90.00	1.15	12	842.50	#41	4X4	13.00	D-CB-41SB												
5B	S.R. 115	138+85.68	-53.91	13	842.15	#41	4X4	4.65	D-CB-41SB												
6B	S.R. 115	140+00.00	88.00	14	836.50	#42	4X4	4.50	D-CB-42SB												
6B	S.R. 115	141+20.00	1.20	15	841.85	#41	7X7	14.85	D-CB-41SD												
6B	S.R. 115	140+00.00	-56.75	16	840.15	#41	4'x4'	9.19	D-CB-41SB												
6B	S.R. 115	140+50.00	-92.00	17	824.00	A EW			D-PE-1	5.88	90										
6B	S.R. 115	140+50.00	-58.83	18	840.10	#41	7X7	15.10	D-CB-41SD												
6B	S.R. 115	141+00.00	-58.83	19	840.20	#41	7X7	14.20	D-CB-41SD												
6B	S.R. 115	143+00.00	1.20	20	843.10	#41	4X4	4.10	D-CB-41SB												
6B	S.R. 115	143+00.00	-58.83	21	841.00	#41	4X4	4.00	D-CB-41SB												
6B	S.R. 115	146+19.00	-99.00	22	819.96	WW			STD-17-11												SEE BOX CULVERT TAB
6B	S.R. 115	148+33.00	114.00	23	825.50	WW			STD-17-11												SEE BOX CULVERT TAB
6B	S.R. 115	147+98.00	87.42	24	825.00	TIE														1	COST INCLUDED IN PIPE COST
6B	S.R. 115	148+50.00	1.20	25	841.55	#41	7X7	12.85	D-CB-41SD												
6B	S.R. 115	150+60.00	1.20	26	839.95	#41	7X7	9.75	D-CB-41SD												
6B	S.R. 115	152+00.00	1.20	27	839.65	#41	7X7	8.40	D-CB-41SD												
6B	S.R. 115	152+00.00	85.00	28	835.15	#42	32"X32"	3.50	D-CB-42S												
7B	S.R. 115	154+90.00	1.20	29	841.60	#41	4X4	4.60	D-CB-41SB												
7B	S.R. 115	158+00.00	1.20	30	847.55	#41	4X4	4.55	D-CB-41SB												
7B	S.R. 115	161+00.00	1.20	31	857.10	#41	4X4	3.90	D-CB-41SB												
7B	S.R. 115	164+00.00	1.20	32	868.10	#41	4X4	4.00	D-CB-41SB												
6B	S.R. 115	147+75.00	-58.83	33	839.10	#41	4X4	4.00	D-CB-41SB												
6B	S.R. 115	149+30.00	-58.83	34	839.25	#41	4X4	5.25	D-CB-41SB												
6B	S.R. 115	149+30.00	-61.50	35	837.60	#41	4X4	3.90	D-CB-41SB												
6B	S.R. 115	149+75.00	-61.50	36	837.50	#41	4X4	7.85	D-CB-41SB												
6B	S.R. 115	149+75.00	-109.00	37	829.25	A EW			D-PE-1	3.89	73										
6B	S.R. 115	150+25.00	-61.25	38	837.80	#41	4X4	7.65	D-CB-41SB												
6B	S.R. 115	151+25.00	-58.83	39	838.25	#41	4X4	5.75	D-CB-41SB												
6B	S.R. 115	151+75.00	-58.83	40	838.20	#41	4X4	6.40	D-CB-41SB												
6B	S.R. 115	151+75.00	-61.00	41	838.55	#41	4X4	7.30	D-CB-41SB												
7B	S.R. 115	152+25.00	-58.83	42	838.25	#41	4X4	5.00	D-CB-41SB												
7B	S.R. 115	152+75.00	-61.00	43	838.85	#41	4X4	4.00	D-CB-41SB												
7B	S.R. 115	154+75.00	-58.83	44	839.90	#41	4X4	4.00	D-CB-41SB												
7B	S.R. 115	157+75.00	-58.83	45	843.90	#41	4X4	4.00	D-CB-41SB												
7B	S.R. 115	158+40.00	-61.80	46	836.50	#41	4X4	5.90	D-CB-41SB												
7B	S.R. 115	158+40.00	-120.00	47	826.00	A EW			D-PE-1	3.89	73										
7B	S.R. 115	158+90.00	-61.80	48	836.30	#41	4X4	5.00	D-CB-41SB												
7B	S.R. 115	159+40.00	-62.60	49	836.80	#41	4X4	5.00	D-CB-41SB												
7B	S.R. 115	159+40.00	-59.80	50	848.50	#41	4X4	16.00	D-CB-41SB												
7B	S.R. 115	160+75.00	-62.38	51	852.95	#41	4X4	4.50	D-CB-41SB												
7B	S.R. 115	162+25.00	-65.38	52	858.40	#41	4X4	4.50	D-CB-41SB												
7B	S.R. 115	163+00.00	-68.30	53	846.60	#41	4X4	4.00	D-CB-41SB												
7B	S.R. 115	163+75.00	-68.38	54	863.80	#41	4X4	4.00	D-CB-41SB												
8B	S.R. 115	169+50.00	1.20	55	865.65	#41	4X4	4.00	D-CB-41SB												
8B	S.R. 115	169+50.00	-81.15	56	863.80	#41	4X4	4.50	D-CB-41SB												
8B	S.R. 115	169+50.00	-83.00	57	844.30	#41	4X4	4.00	D-CB-41SB												
8B	S.R. 115	171+00.00	-90.36	58	861.80	#41	4X4	4.50	D-CB-41SB												
8B	S.R. 115	171+50.00	-98.70	59	838.35	#41	4X4	5.50	D-CB-41SB												
8B	S.R. 115	171+25.00	-144.00	60	827.00	A EW			D-PE-1	4.00	73										
8B	S.R. 115	171+50.00	-94.00	61	861.65	#41	4X4	28.40	D-CB-41SB												
8B	S.R. 115	172+00.00	-106.10	62	838.10	#41	4X4	4.50	D-CB-41SB												
8B	S.R. 115	172+00.00	-103.24	63	861.90	#41	4X4	4.50	D-CB-41SB												
8B	S.R. 115	172+50.00	-115.50	64	838.50	#41	4X4	4.50	D-CB-41SB												
8B	S.R. 115	173+63.00	-179.00	65	834.55	U EW			D-PE-30A&B									1			
8B	S.R. 115	174+46.20	-79.70	66	850.50	#42	4X4	5.80	D-CB-42SB												
8B	S.R. 115	174+50.34	-162.12	67	868.55	#41	4X4	4.00	D-CB-41SB												
8B	S.R. 115	175+00.00	-178.65	68	850.70	#41	4X4	4.00	D-CB-41SB												
8B	S.R. 115	174+56.49	80.82	69	851.03	#43	4X4	4.90	D-CB-43SB												
9B	S.R. 115	176+71.85	308.24	70	843.04	U EW			D-PE-24A&B								1				
10B	CHEROKEE	100+00.00	28.35	71	883.50	U EW			D-PE-18A&B			1									
10B	CHEROKEE	100+05.00	28.00	72	882.60	#12	4X4	4.60	D-CB-12SB												
10B	CHEROKEE	100+00.00	-42.89	73	879.00	U EW			D-PE-18A&B			1									
10B	CHEROKEE	100+05.00	-28.00	74	882.65	#12	4X4	4.50	D-CB-12SB												
10B	CHEROKEE	101+92.12	45.3	75	873.55	#12	4X4	4.50	D-CB-12SB												
10B	CHEROKEE	102+32.74	79.32	76	872.70	#12	4X4	4.50	D-CB-12SB												
10B	CHEROKEE	101+75.00	-43.90	77	872.50	#12	4X4	4.50	D-CB-12SB												
10B	CHEROKEE	102+79.13	88.92	78	872.70	#12	4X4	5.20	D-CB-12SB												
10B	CHEROKEE	103+50.00	46.00	79	865.35	#12	4X4	4.50	D-CB-12SB												
10B	CHEROKEE	103+50.00	-46.00	80	862.70	#12	4X4	4.50	D-CB-12SB												
10B	CHEROKEE	104+75.00	-46.00	81	856.85	#12	4X4	4.50	D-CB-12SB												
10B	CHEROKEE	105+34.37	63.73	82	862.90	#25	4X4	8.00	D-CB-25SB												
10B	CHEROKEE	105+35.00	46.00	83	857.30	#12	4X4	4.50	D-CB-12SB												
10B	CHEROKEE	106+00.00	-46.00	84	852.75	#12	7X7	9.05	D-CB-12SD												
10B	CHEROKEE	106+00.00	-84.00	85	849.00	#42	4X4	4.90	D-CB-42SB												
10B	CHEROKEE	106+75.00	46.00	86	853.85	#12	4X4	4.50	D-CB-12SB												
11B	CHEROKEE	108+00.00	-45.75	87	850.55	#12	7X7	7.95	D-CB-12SD												
11B	CHEROKEE	109+50.00	-40.00	88	849.60	#12	7X7	7.80	D-CB-12SD												
11B	CHEROKEE	110+75.00	-40.00	89	849.05	#12	4X4	4.55	D-CB-12SB												
11B	CHEROKEE	111+25.00	-40.00	90	849.20	#12	4X4	4.00	D-CB-12SB												
11B	CHEROKEE	109+50.00	51.50	91	849.40	#12	7X7	8.25	D-CB-12SD												
11B	CHEROKEE	110+75.00	55.50	92	848.75	#12	4X4	4.65	D-CB-12SB												
11B	CHEROKEE	109+50.00	86.00	93	840.95	A EW			D-PE-1	9.07	120										
11B	CHEROKEE	111+25.00	57.00	94	848.85	#12	4X4	4.00	D-CB-12SB												
11B	RAMPB	77+25.00	-20.00	95	851.30	#43	4X4	4.00	D-CB-43SB												
11B	RAMPC	77+25.00	80.00	96	842.20	U EW			D-PE-18A&B				1								
11B	RAMPB	75+98.67	47.00	97	845.71	#43	8X4	4.60	D-CB-43SB												
11B	RAMPC	76+00.00	85.20	98	840.46	EW			D-PEW-3	5.82	225										43" X 68" OVAL PIPE
11B	CHEROKEE	114+35.00	-40.00	99	855.30	#12	4X4	4.50	D-CB-12SB												
11B	CHEROKEE	116+70.00	-40.00	100	867.60	#12	4X4	4.00	D-CB-12SB												
11B	CHEROKEE	114+00.00	99.97	101	840.70	A EW			D-PE-1	3.89	73										
11B	RAMPE	114+00.00	10.00	102	853.80	#12	4X4	5.70	D-CB-12SB												
11B	CHEROKEE	114+00.00	38.00	103	854.30	#51	5'2" X 5'2"	5.75	D-CB-51SC												

SEALED BY

GREGORY A. GRECKSON REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 107000 STATE OF TENNESSEE

8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

8/14/2025 2:43:05 PM
L:\TDOT\00903\CONST - TABULATED QUANTITIES.SHT

SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSION	DEPTH (FT.)	STANDARD DRAWINGS	ENDWALLS CONCRETE CLASS A 611-07.01	STEEL REINF. 611-07.02	18" EW 3:1 611-07.54	18" EW 4:1 611-07.55	18" EW 6:1 611-07.56	24" EW 3:1 611-07.57	24" EW 4:1 611-07.58	24" EW 6:1 611-07.59	30" EW 3:1 611-07.60	30" EW 4:1 611-07.61	42" EW 3:1 611-07.66	REMARKS
11B	CHEROKEE	115+90.00	38.00	104	861.90	#51	5'2" X 5'2"	4.70	D-CB-51SC												
11B	RAMPE	116+00.00	10.00	105	857.85	#12	4X4	5.00	D-CB-12SB												
11B	CHEROKEE	117+00.00	38.00	106	867.25	#51	5'2" X 5'2"	4.70	D-CB-51SC												
11B	RAMPE	117+00.00	10.00	107	858.40	#12	4X4	5.00	D-CB-12SB												
11B	CHEROKEE	118+20.00	41.50	108	874.10	#51	5'2" X 5'2"	4.50	D-CB-51SC												
11B	RAMPE	118+25.00	10.00	109	859.05	#12	4X4	5.00	D-CB-12SB												
11B	CHEROKEE	118+75.00	129.00	110	840.00	U EW			D-PE-18A&B			1									
9B	RAMPE	120+00.00	10.00	111	859.85	#12	4X4	4.50	D-CB-12SB												
9B	RAMPE	120+00.00	-20.00	112	860.20	#12	4X4	4.00	D-CB-12SB												
9B	CHEROKEE	119+50.00	-47.15	113	881.90	#12	4X4	4.00	D-CB-12SB												
9B	S.R. 115	177+00.00	-237.00	114	870.33	#42	4X4	4.00	D-CB-42SB												
9B	CHEROKEE	122+50.00	-52.00	115	897.70	#12	4X4	4.00	D-CB-12SB												
9B	CHEROKEE	122+57.00	57.00	116	899.60	#12	4X4	7.10	D-CB-12SB												
9B	HOSPITAL	50+88.00	-36.50	117	898.30	#12	4X4	4.50	D-CB-12SB												
9B	HOSPITAL	50+81.00	37.00	118	898.30	#42	4X4	4.00	D-CB-42SB												
9B	CHEROKEE	123+85.00	202.00	119	877.18	#42	4X4	5.00	D-CB-42SB												
9B	RAMPE	123+00.00	-19.00	120	865.15	#12	4X4	5.50	D-CB-12SB												
9B	S.R. 115	183+12.21	315.84	121	864.60	#12	7X7	6.00	D-CB-12SD												
9B	S.R. 115	184+13.03	208.59	122	874.90	#12	4X4	6.00	D-CB-12SB												
14B	S.R. 115	185+36.30	133.32	123	891.50	#12	4X4	5.00	D-CB-12SB												
14B	S.R. 115	185+24.21	101.54	124	892.50	#12	4X4	4.50	D-CB-12SB												
14B	S.R. 115	185+05.00	69.00	125	905.60	#41	4X4	17.00	D-CB-41SB												
14B	S.R. 115	186+29.58	106.03	126	901.50	#12	4X4	4.50	D-CB-12SB												
14B	S.R. 115	188+00.00	69.00	127	921.95	#41	4X4	13.10	D-CB-41SB												
14B	S.R. 115	188+00.00	99.00	128	912.35	#12	4X4	4.50	D-CB-12SB												
14B	S.R. 115	191+00.00	69.00	129	931.80	#41	4X4	5.30	D-CB-41SB												
14B	S.R. 115	191+00.00	99.00	130	930.30	#25	4X4	6.50	D-CB-25SB												
9B	RAMPE	121+75.00	22.00	131	860.70	#12	4X4	6.00	D-CB-12SB												
9B	RAMPE	121+10.00	58.00	132	857.82	#42	4X4	6.25	D-CB-42SB												
9B	RAMPF	135+00.00	10.00	133	859.35	#12	9X9	8.50	D-CB-12SE												
9B	RAMPE	124+00.00	-20.00	134	870.94	#12	4X4	5.00	D-CB-12SB												
9B	HOSPITAL	53+17.00	-79.00	135	892.00	#42	4X4	4.00	D-CB-42SB												
9B	HOSPITAL	53+25.00	-35.10	136	909.55	#12	4X4	5.50	D-CB-12SB												
9B	CHEROKEE	122+44.50	63.15	137	899.20	JB		4.00	D-JBS-2												
9B	RAMPF	134+00.00	10.00	138	858.25	#12	7X7	8.00	D-CB-12SD												
13B	RAMPF	132+37.00	10.00	139	856.60	#12	7X7	7.10	D-CB-12SD												
13B	RAMPH	150+85.00	-8.00	140	857.20	#12	4X4	4.00	D-CB-12SB												
13B	RAMPH	150+64.74	25.59	141	855.35	#12	7X7	7.00	D-CB-12SD												COST TO INCLUDE TYING TO THE EXISTING 48" PIPE
13B	RAMPH	150+26.94	25.73	142	853.85	#12	4X4	4.00	D-CB-12SB												
13B	RAMPF	132+40.00	-20.00	143	855.90	#12	7X7	7.30	D-CB-12SD												
13B	RAMPF	132+16.24	-29.03	144	852.87	EX CB		8.68													
14B	LIFE STAR	27+60.00	15.11	145	931.9	#12	4X4	4.55	D-CB-12SB												
10B	CHEROKEE	102+25.00	80.00	146	871.50	#43	32"X32"	3.00	D-CB-42S												
9B	CHEROKEE	129+47.00	-49.20	147	900.65	#12	4X4	4.00	D-CB-12SB												
9B	CHEROKEE	130+00.00	47.00	148	898.35	#12	4X4	6.00	D-CB-12SB												
12B	CHEROKEE	131+87.00	41.00	149	893.90	#12	4X4	4.50	D-CB-12SB												
12B	CHEROKEE	132+43.00	39.00	150	893.80	#12	4X4	7.50	D-CB-12SB												
12B	CHEROKEE	133+08.00	37.00	151	894.15	#12	4X4	4.00	D-CB-12SB												
12B	CHEROKEE	131+77.00	-41.00	152	896.60	#12	4X4	4.00	D-CB-12SB												
12B	CHEROKEE	132+32.00	-39.50	153	896.15	#12	4X4	10.85	D-CB-12SB												
12B	CHEROKEE	132+96.00	-37.35	154	896.30	#12	4X4	12.00	D-CB-12SB												
12B	CHEROKEE	134+63.91	49.60	155	896.90	MH	4' DIA	56.42	D-MH-2												
12B	CHEROKEE	134+79.00	138.00	156	897.90	#42	4X4	56.90	D-CB-42SB												
12B	CHEROKEE	132+43.00	54.00	157	892.50	#42	4X4	5.50	D-CB-42SB												
12B	CHEROKEE	138+88.00	-22.00	158	905.90	#12	4X4	4.40	D-CB-12SB												
12B	CHEROKEE	138+88.00	22.00	159	905.90	#12	32"X32"	3.77	D-CB-12LP												
				160																	NOT USED
11B	CHEROKEE	114+59.00	82.00	161	847.25	U EW			D-PE-24A&B							1					
11B	CHEROKEE	116+60.00	-133.00	162	840.50	U EW			D-PE-24A&B						1						
14B	HOSPITAL	55+00.00	-78.00	163	906.75	U EW			D-PE-30A&B										1		
14B	HOSPITAL	55+00.00	-30.00	164	918.10	#12	4X4	7.30	D-CB-12SB												
14B	HOSPITAL	55+52.00	30.00	165	920.15	#12	4X4	8.00	D-CB-12SB												
14B	HOSPITAL	56+00.00	30.00	166	920.75	#12	7X7	7.95	D-CB-12SD												
14B	HOSPITAL	57+50.00	30.00	167	923.20	#12	7X7	9.40	D-CB-12SD												
14B	HOSPITAL	59+00.00	30.00	168	926.60	#12	7X7	11.80	D-CB-12SD												
14B	HOSPITAL	59+00.00	-30.00	169	927.30	#12	7X7	11.50	D-CB-12SD												
14B	RAMPJ	190+35.00	-24.00	170	930.00	#12	4X4	13.20	D-CB-12SB												
14B	RAMPJ	190+85.00	10.00	171	930.55	#12	4X4	12.75	D-CB-12SB												
14B	HOSPITAL	61+90.00	-20.00	172	929.85	#12	4X4	5.00	D-CB-12SB												
14B	HOSPITAL	61+90.00	20.00	173	929.85	#12	4X4	4.00	D-CB-12SB												
14B	RAMPJ	191+83.66	39.70	174	916.08	WW			STD-17-11												SEE BOX CULVERT TAB
14B	RAMPD	94+34.21	24.70	175	919.50	WW			STD-17-11												SEE BOX CULVERT TAB
15B	S.R. 115	199+95.00	97.25	176	915.60	#41	4X4	4.65	D-CB-41SB												
15B	S.R. 115	199+95.00	69.00	177	917.75	#41	4X4	4.50	D-CB-41SB												
15B	S.R. 115	201+60.00	133.00	178	906.05	#41	4X4	4.50	D-CB-41SB												
14B	RAMPJ	191+80.00	68.00	179	915.00	U EW			D-PE-18A&B				1								
15B	S.R. 115	201+60.00	133.00	180	912.00	MH	4' DIA	10.00	D-MH-2												
15B	S.R. 115	205+80.00	109.00	181	877.00	U EW			D-PE-24A&B								1				
16B	S.R. 115	208+75.00	108.25	182	869.25	JB		4.50	D-JBS-2												
16B	S.R. 115	207+85.08	101.16	183	869.75	JB		4.00	D-JBS-2												
16B	S.R. 115	209+41.83	112.68	184	864.00	U EW			D-PE-30A&B										1		
13B	RAMP I	201+15.00	-20.00	185	906.35	#12	4X4	4.00	D-CB-12SB												
13B	RAMP I	201+15.00	20.00	186	906.35	#12	4X4	4.50	D-CB-12SB												
13B	RAMP I	200+06.00	58.27	187	899.12	EX CB		5.46													
6B	S.R. 115	148+40.48	129.28	188	826.00	U EW			D-PE-18A&B			1									
6B	S.R. 115	147+35.73	51.53	189	823.20	TIE															COST INCLUDED IN PIPE COST
10B	CHEROKEE	105+35.00	-68.50	190	851.35	SD		6.00	D-SDS-1												
10B	CHEROKEE	105+03.00	-42.00	191	850.00	SD		4.00	D-SDS-1												
11B	CHEROKEE	117+25.24	-104.70	192	837.16	A EW			D-PE-1	4.72	79										
10B	CHEROKEE	102+80.00	40.00	193	865.75	JB		4.00	D-JBS-2												
4B	WOODSON	15+00.00	24.00	194	815.90	U EW			D-PE-9A&B	2.09	244										
4B	WOODSON	15+00.00	-22.00	195	815.50	U EW			D-PE-9A&B	2.09	244										
12B	CHEROKEE	139+22.34	-38.50	196	901.00	U EW			D-PE-24A&B								1				
15B	S.R. 115	197+50.00	106.53	197	929.55	#12	4X4	4.00	D-CB-12SB												
15B	S.R. 115	197+50.00	69.00	198	930.40	#41	4X4	4.00	D-CB-41SB												
9B	S.R. 115	182+00.00	-80.00	199	883.20	#42	4X4	4.50	D-CB-42SB												
9B	S.R. 115	179+65.00	-80.00	200	868.00	U EW			D-PE-24A&B								1				
8B	RAMPC	79+70.56	49.00	201	848.20	#42	4X4	4.50	D-CB-42SB												
8B	RAMPC	79+00.53	45.97	202	842.20	U EW			D-PE-24A&B							1					
13G	LIFESTAR	12+50.00	12.00	203	901.75	#12	4X4	3.80	D-CB-12SB												
13G	LIFESTAR	13+25.00	12.00	204	910.05	#12	4X4	5.15	D-CB-12SB												
14B	HOSPITAL	56+00.00	-2.00	205	921.55	#25	4X4	4.00	D-CB-25SB												
14B	S.R. 115	188+00	-227.00	206	909.50	U EW			D-PE-18A&B			1									
14B	S.R. 115	191+78.00	-131.00	207	919.00	JB	4X4	7.25	D-JBS-2												
14B	S.R. 115	192+00.00	-139.89	208	926.50	U EW			D-PE-18A&B			1									
13B	HOSPITAL	54+37.56	303.09	209	890.38	EX CB		5.44													

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2F6

REV. 3-29-24

REVISED STATION AND/OR OFFSETS FOR STRUCTURE NOS. 104, 106, 108, 127, 129, 157, 175, 179, 181 AND 206.

ADDED STR. NOS. 146, 161, 162, 203 AND 204.

REVISED STR. NOS. 139-143.

REMOVED STR. NO. 114.

REV. 5-20-24

ADDED STR. NOS. 114 AND 145.

REVISED STR. NOS. 104, 106, 108, 120, 121, 122, 124, 135, 136, 141, 146, 176, 177 AND 196.

REV. 7-17-24

REVISED STR-134 AND STR-135.

REV 7-14-25

REVISED STR. NOS. 174, 179, 206 AND 207.

REV 8-14-25

REVISED STR. NOS. 150, 153-159, 176, 178, 180, 181, 196 AND 197.

ELEMINATED STR. NO. 160.

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107
STATE OF TENNESSEE

8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

8/14/2025 2:43:24 PM
L:\TDOT\00903\CONST - TABULATED QUANTITIES.SHT

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.02 18" (L.F.)	607-05.02 24" (L.F.)	607-06.02 30" (L.F.)	607-07.02 36" (L.F.)	607-08.02 42" (L.F.)	607-09.02 48" (L.F.)	607-11.03 60" (L.F.)	RCP CLASS IV 607-03.03 18" (L.F.)	607-06.03 30" (L.F.)	RCP CLASS V 607-03.04 18" (L.F.)	607-05.04 24" (L.F.)	607-06.04 30" (L.F.)	HDPE 607-03.30 18" (L.F.)	607-05.30 24" (L.F.)	SLOTTED DRAIN 607-45.02 18" (L.F.)
4B	251	842.50	EX	834.96	21.54	35														
4B	2	835.20	243	830.15	4.86		104													
4B	3	835.40	2	834.90	4.17	12														
4B	4	836.00	3	835.60	0.42	96														
4B	5	837.00	4	836.20	0.82	98														
4B	6	838.00	5	837.20	0.82	98														
4B	7	840.15	6	838.20	0.79	248														
4B	9	842.00	8	835.00	21.21	33														
4B	194	815.90	195	815.50	0.87		46													
5B	10	833.00	11	832.30	0.69		102													
5B	11	832.10	12	829.70	0.92		262													
5B	13	837.50	16	836.78	0.65	110														
5B	12	829.50	15	827.20	1.02		226													
6B	14	832.00	15	827.20	3.29		146													
6B	15	827.00	19	826.20	1.36				59											
6B	19	826.00	18	825.20	1.78					45										
6B	16	830.96	18	825.20	12.80	45														
6B	18	825.00	17	824.00	3.11						32									
6B	21	837.00	19	826.20	5.62	192														
6B	20	839.00	15	827.20	6.70	176														
6B	25	828.70	24	825.00	3.78				98											
6B	26	830.20	25	828.90	0.64				204											
6B	27	831.25	26	830.40	0.63				135											
6B	28	831.65	27	831.45	0.25		80													
7B	29	837.00	27	831.45	1.94		286													
6B	33	835.10	34	834.20	0.62	146														
6B	35	833.70	36	829.85	9.63	40														
6B	36	829.65	37	829.25	0.87				46											
6B	34	834.00	39	832.70	0.69	188														
6B	38	830.15	36	829.85	0.60			50												
6B	39	832.50	40	832.00	1.09	46														
6B	41	831.25	38	830.25	0.69			145												
6B	40	831.80	41	831.45	8.75	4														
6B	42	833.25	40	832.00	2.60	48														
7B	30	843.00	29	837.20	1.90		306													
7B	31	853.20	30	843.20	3.38	296														
7B	32	864.10	31	853.40	3.61	296														
7B	43	834.85	41	831.45	3.54	96														
7B	44	835.90	42	833.45	1.00	246														
7B	45	839.90	50	832.70	4.50	160														
7B	46	830.60	47	826.00	7.93				58											
7B	48	831.30	46	830.80	1.14			44												
7B	49	831.80	48	831.50	0.67			45												
7B	50	832.50	49	832.00	10.00		5													
7B	51	848.45	50	832.70	12.02	131														
7B	52	853.90	51	848.65	3.67	143														
7B	53	842.60	49	832.00	3.05	348														
7B	54	859.80	52	854.10	3.99	143														
8B	55	861.65	56	859.50	2.79	77														
8B	56	859.30	58	857.50	1.20	150														
8B	58	857.30	61	856.75	1.17	47														
8B	57	840.30	59	833.05	3.68	197														
8B	61	833.25	59	833.05	4.00										5					
8B	59	832.85	60	827.00	11.25				52											
8B	63	857.40	61	856.10	2.77	47														
8B	62	833.60	59	833.05	1.17	47														
8B	66	844.70	252	837.30	8.22												90			
8B	252	837.10	65	834.55	7.08												36			
8B	67	864.55	63	857.60	2.75	253														
8B	68	846.70	252	837.30	8.25	114														
8B	64	834.00	62	833.80	0.43	46														
8B	69	846.13	70	843.04	0.98		284						30							
8B	201	843.70	202	842.20	1.27		118													
9B	113	877.90	110	840.00	31.07	122														
9B	112	856.20	111	855.55	2.32	28														
9B	111	855.35	109	854.20	0.68	170														
14B	145	927.20	232	926.90	1.00	30														
9B	115	893.70	116	892.70	0.95	105														
9B	116	892.50	119	872.38	10.06		200													
9B	117	893.80	137	893.40	1.25	32														
9B	137	893.20	116	892.70	3.57	14														
9B	118	894.30	117	894.00	0.43	69														
9B	119	872.18	134	866.14	6.86			88												
9B	134	865.94	120	859.85	6.09			100												
9B	120	859.65	121	858.80	2.43			35												
9B	121	858.60	131	854.90	3.08				120											
9B	122	868.90	121	858.80	7.06		143													
9B	131	854.70	132	851.77	4.07				72											
9B	133	850.85	138	850.45	0.44					91										
9B	138	850.25	139	849.70	0.35					155										
9B	132	851.57	133	851.05	0.76				68											
9B	135	888.00	121	858.80	31.06	94														
11B	161	847.25	162	840.50	2.93		230													
9B	136	905.05	135	888.20	38.30	44														
9B	147	896.65	148	892.55	3.87	106														
9B	148	892.35	149	889.60	1.81	152														
9B	114	866.33	68	846.90	9.72	200														

STORM DRAINAGE PIPES

SHEET NO.	FROM CODE	FROM OUTLET ELEV.	TO CODE	TO INLET ELEV.	% GRADE	RCP CLASS III 607-03.02 18" (L.F.)	607-05.02 24" (L.F.)	607-06.02 30" (L.F.)	607-07.02 36" (L.F.)	607-08.02 42" (L.F.)	607-09.02 48" (L.F.)	607-11.03 60" (L.F.)	RCP CLASS IV 607-03.03 18" (L.F.)	607-06.03 30" (L.F.)	RCP CLASS V 607-03.04 18" (L.F.)	607-05.04 24" (L.F.)	607-06.04 30" (L.F.)	HDPE 607-03.30 18" (L.F.)	607-05.30 24" (L.F.)	SLOTTED DRAIN 607-45.02 18" (L.F.)
10B	146	868.50	76	868.40	1.25	8														
9B	199	878.70	200	868.00	7.93		135													
10B	71	883.50	72	878.20	12.62	42														
10B	72	878.00	75	869.25	4.61	190														
10B	75	869.05	193	861.95	7.89		90													
10B	76	868.20	78	867.70	1.04		48													
10B	78	867.50	193	861.95	11.56		48													
10B	193	861.75	79	861.05	0.97		72													
10B	79	860.85	83	853.00	4.07		193													
10B	82	854.90	83	853.00	11.87	16														
10B	83	852.80	86	849.55	2.23		146													
10B	73	879.00	74	878.35	1.91	34														
10B	74	878.15	77	868.20	6.18	161														
10B	77	868.00	80	858.40	6.00		160													
10B	80	858.20	81	852.55	5.00		113													
10B	81	852.35	84	843.90	7.61		111													
10B	84	843.70	87	842.80	0.48						187									
10B	191	846.00	190	845.55	1.13	40														
10B	190	845.35	85	844.30	1.75	60														
10B	85	844.10	84	843.90	0.53			38												
10B	86	849.35	91	842.85	1.84		354													
11B	87	842.60	88	842.00	0.40						150									
11B	88	841.80	91	841.35	0.50						90									
11B	89	844.50	88	843.25	1.04	120														
11B	90	845.20	89	844.70	1.11	45														
11B	91	841.15	93	840.95	0.57							35								
11B	92	844.10	91	842.85	1.00	125														
11B	94	844.85	92	844.35	1.11	45														
11B	97	841.11	98	840.46	0.25		260													
11B	95	847.30	96	842.20	8.64	59														
11B	100	863.60	248	839.50	36.52	66														
11B	99	850.80	247	848.85	5.74	34														
11B	102	848.10	101	840.70	22.42				33											
11B	103	848.55	102	848.30	1.04			24												
11B	104	857.20	103	848.75	4.59														184	
11B	105	852.85	102	848.30	2.33		195													
11B	106	862.55	104	857.40	5.31														97	
11B	108	869.60	106	862.75	6.46													106		
11B	109	854.05	107	853.60	0.38	118														
11B	107	853.40	105	853.05	0.37	94														
12B	149	889.40	150	886.50	6.59	44														
12B	151	890.15	150	886.50	7.02	52														
12B	157	887.00	150	886.50	3.33				15											
12B	152	892.60	153	885.80	11.33	60														
12B	150	886.30	153	885.80	0.67				75											
12B	153	885.30	154	884.50	1.14				70											
12B	156	841.00	155	840.48	0.60		86													
12B	159	902.13	158	901.69	1.05	42														
12B	159	901.49	196	901.00	1.36	36														
13B	140	853.20	139	849.70	31.82	11														
13B	139	849.50	143	848.80	2.80					25										
13B	143	848.60	144	844.39	22.16					19										
13B	142	849.85	141	848.55	5.20	25														
13B	141	848.35	144	844.39	6.39						62									
13B	185	902.35	186	902.05	0.86	35														
13B	186	901.85	187	893.86	7.26	110														
14B	125	888.80	124	888.20	1.11	36														
14B	124	888.00	123	886.70	4.48	29														
14B	126	897.00	123	886.70	10.96	94														
14B/9B	123	886.50	122	869.10	12.43		140													
14B	127	908.85	128	908.05	3.08	26														
14B	128	907.85	126	897.20	6.38	167														
14B	129	926.50	130	924.00	9.62	26														
14B	130	923.80	128	908.05	5.32	296														
14B	173	925.85	172	925.05	2.22	36														
14B	172	924.85	171	914.25	9.91	107														
14B	171	914.05	170	913.60	0.78								58							
14B	179	915.00	171	914.25	0.79	95														
14B	170	913.40	169	912.10	0.81								160							
14B	169	911.90	168	911.45	0.82	55														
14B	168	911.25	167	910.20	0.81		130													
14B	167	910.00	166	909.00	0.77		130													
14B	166	908.80	165	908.50	0.75		40													
14B	165	908.30	164	907.70	0.80			75												
14B	164	907.50	163	906.75	1.60			47												
15B	198	926.40	177	913.45	5.61	231														
15B	177	913.25	176	911.15	7.78	27														
15B	197	925.55	176	911.15	6.34	227														
15B	176	910.95	178	901.80	6.10		150													
15B	180	902.00	178	901.80	1.33	15														
16B	183	866.46	182	865.07	1.58	88														
16B	182	864.87	184	864.00	1.34			65												
14B	205	917.55	166	913.00	14.22	32														
14B	208	926.50	207	912.35	54.42	26														
14B	207	912.15	212	911.47	0.55	124														35
14B	212	911.27	213	910.45	0.56	146														
14B	213	910.25	206	909.50	0.65	116														
13B	209	884.94	210	878.91	3.97	152														
13B	210	878.71	211	873.73	5.08	98														

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2023	R-STP/NH-115(29)	2F7

REV. 9-11-23

REVISED ELEVATIONS FOR STRUCTURE NOS. 2, 3, 4, 158, 159, 160, 196 AND 243 ON THE STORM DRAINAGE PIPE TAB.

REV. 2-9-24

REVISED STRUCTURE NOS. 7, 9, 65, 66, 153, 154, 155, 156, 157, 199, 200, 242 AND 243 ON THE STORM DRAINAGE TAB BLOCK.

REMOVED STRUCTURE NOS. 137, 203 AND 204

REV. 3-29-24

ADDED ITEM NOS. 607-05.03, 607-05.04, 607-06.03 AND 607-06.04.

REVISED ELEVATIONS ON STR. NO. 61 63, 115, 116 AND 119.

CHANGED PIPE LENGTH ON 61 TO 59 FROM A CLASS III TO CLASS V.

CHANGED PIPE THICKNESS ON 119 TO 120 FROM A CLASS III TO CLASS V.

REVISED PIPE SIZE BETWEEN STR. NO. 131 AND 133.

ADDED PIPE BETWEEN STR. NOS. 146, 161 AND 162.

REVISED STR. NOS. 115, 116, 119, AND 139-143.

REV. 5-20-24

ADDED STR. NO. 145.

REVISED STR. NOS. 51, 52, 54, 120, 121, 122, 124, 136, 176 AND 177.

REVISED ELEVATION OF STR. NOS. 10, 24, 31, 84, 85, 87, 88, 97, 103, 104, 106 AND 141.

REVISED PIPE SIZE BETWEEN STR. NOS. 115 AND 116.

ADDED PIPE BETWEEN STR. NOS. 99 AND 103.

REVISED PIPE LENGTH BETWEEN STR. NOS. 97 AND 98

REV 7-17-24

REVISED STR-134 AND STR-135.

ADDED PIPES BETWEEN STR-135 AND STR-121, BETWEEN STR-131 AND STR-132, BETWEEN STR-119 AND STR-134 AND BETWEEN STR-134 AND 120.

REMOVED PIPE BETWEEN STR-134 AND STR-132, BETWEEN STR-131 AND STR-133 AND BETWEEN STR-119 AND STR-120.

REV 7-14-25

REVISED STR. NOS. 164-171, 179, 207, 212, 213 AND 206 AND SLOTTED DRAIN LENGTH.

ADDED STR. NOS. 247, 248, 249, 250 AND 251.

REMOVED PIPES BETWEEN STR. NOS. 99 AND 100 AND BETWEEN STR. NOS. 99 AND 103.

ADDED PIPES BETWEEN STR. NO. 99 AND 247 AND BETWEEN STR. NO. 100 AND 248.

SEALED BY

8/14/2025

REV 8-14-25

REVISED PIPES BETWEEN STR. NOS. 65 AND 66.

REVISED PIPES ASSOCIATED WITH STR. NOS. 150, 153-159, 176, 178, 180, 181, 196 AND 197.

ADDED PIPES ASSOCIATED WITH ADDED STR. NOS. 252-259.

STATE OF TENNESSEE
DEPARTMENT OF
TRANSPORTATION

TABULATED QUANTITIES

8/14/2025 2:43:42 PM
L:\TDOT\00903\CONST - TABULATED QUANTITIES.SHT

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 BK.	DEED DOCUMENT REFERENCE PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. EASEMENT	SLOPE	CONST. ①
1	THOMAS BLAMEY	122GA	23	20150320	0050409		1.129	1.129		0.472	0.472		0.657			
8001	THOMAS BLAMEY	122GA	23	20150320	0050409		0.657	0.657		0.657	0.657					
2	DANIEL PHILLIPS AND ELIZABETH BROOKE PHILLIPS	122GA	1	20161017	24595		1.342	1.342		0.496	0.496		0.846			
2S	DANIEL PHILLIPS AND ELIZABETH BROOKE PHILLIPS	122GA	1	20161017	24595		0.846	0.846					0.846			0.846 AC ⑥
2SS	DANIEL PHILLIPS AND ELIZABETH BROOKE PHILLIPS	122GA	1	20161017	24595		0.846	0.846		0.846	0.846					
~~3~~	~~GARY REEVES AND WIFE ROBIN REEVES~~	~~122IB~~	~~2~~	~~20110523~~	~~0067604~~	~~1.140~~		~~1.140~~				~~1.140~~				
4	DONALD VINCENT TORBETT AND WIFE FRANCES Y. TORBETT	122GB	42	1477	594	1100 S.F.	0.572	0.597	1100 S.F.	0.572	0.597					
5	RICHARD GARRISON AND WIFE ALICE GARRISON	122GB	41	20000609	0038885	528 S.F.	1.168	1.180	528 S.F.	0.830	0.842		0.338			
8005	RICHARD GARRISON AND WIFE ALICE GARRISON	122GB	41	20000609	0038885		0.338	0.338		0.338	0.338					
6	CHRISTOPHER L AND CHRISTY SMITH	122GB	40	20120530	0067250		0.698	0.698		0.698	0.698					
7	EMILY CARTER GRAY	122GB	34	1756	475		0.741	0.741		0.646	0.646		4177 S.F.			
7S	EMILY CARTER GRAY	122GB	34	1756	475		4177 S.F.	4177 S.F.					4177 S.F.	⑩ 1609		
8	LARRY M GRAY AND WIFE EMILY GRAY	122GB	33	20140808	0008320		1.293	1.293		1.120	1.120		0.173			
9	LARRY M GRAY AND WIFE EMILY GRAY	122GB	32	20140808	008318		0.656	0.656		572 S.F.	572 S.F.		0.643			
~~10~~	~~JACK F BRAKEBILL AND WIFE DONNA J BRAKEBILL~~	~~122GB~~	~~28~~	~~20060727~~	~~0007707~~		~~1.416~~	~~1.416~~					~~1.416~~			
11	P.H. CARDWELL	122	4	812	235		91.980	91.980		4.195	4.195		87.785			
11S	P.H. CARDWELL	122	4	812	235		87.785	87.785					87.785	⑩ 1.489 AC ⑨		
~~12~~	~~KNOX COUNTY~~	~~122~~	~~3~~	~~905~~	~~229~~	~~0.664~~		~~0.664~~				~~0.664~~				
13	KNOX COUNTY	122	2	905	229	1.230		1.230	0.359		0.359	0.871				
14	DEPARTMENT OF NAVY	122	1	647	458	10.950		10.950	217 S.F.		217 S.F.	10.945		1265	2331	0.133 AC
15	UNIVERSITY OF TENNESSEE	108	1.01	20080417	0077827	10.250		10.250	0.256		0.256	9.994			2182	0.197 AC
16	UNIVERSITY OF TENNESSEE	108	2	1247	666		147.990	147.990		9.554	9.554		138.436	1275	0.144 AC	0.250 AC
17	UNIVERSITY OF TENNESSEE	108	1	647	458	31.795		31.795	1.574		1.574	30.221		2249 ④	0.162 AC	0.177 AC
18	UNIVERSITY OF TENNESSEE	108	2.01	1247	666		149.200	149.200		10.019 ②	10.019		139.181	0.346 AC ⑤	1.295 AC	5.210 AC ⑧
19	UNIVERSITY OF TENNESSEE	108	1.03	20151211	35341	22.453		22.453	2.879 ③		2.879	19.574		0.306 AC	1.627 AC	0.662 AC
~~20~~	~~UNIVERSITY OF TENNESSEE~~	~~108~~	~~1.11~~	~~20151211~~	~~35341~~	~~78.820~~		~~78.820~~				~~78.820~~				
~~21~~	~~UNIVERSITY OF TENNESSEE~~	~~108~~	~~1.12~~	~~20151211~~	~~35341~~	~~3.572~~		~~3.572~~				~~3.572~~				
~~22~~	~~UNIVERSITY OF TENNESSEE~~	~~108~~	~~1.12~~	~~20151211~~	~~35341~~	~~5.421~~		~~5.421~~				~~5.421~~				
~~23~~	~~UNIVERSITY OF TENNESSEE~~	~~108~~	~~1.05~~	~~20151211~~	~~35341~~	~~11.612~~		~~11.612~~				~~11.612~~				
24	DARRELL LYNN VAN WINKLE	122GA	22.01	20070620	0104635		1.170	1.170					1.170		281	1205
25	RICHARD C PHILPOT	122JA	32	20080619	0095269		1.400	1.400		1133 S.F.	1133 S.F.		1.374			
26	EDWIN D AND GERI M GRAVER	122JA	31	20160217	0047679		1.240	1.240		0.205	0.205		1.035			

① FOR EROSION PREVENTION AND SEDIMENT CONTROL WORKING ROOM.

② AREA INCLUDES 9.907 ACRES IN PARCEL 1 AND 0.112 ACRES. IN PARCEL 2.

③ AREA INCLUDES 1.250 ACRES IN PARCEL 1 AND 1.629 ACRES IN PARCEL 2.

④ AREA INCLUDES 1.230 S.F. IN PARCEL 1 AND 1.019 S.F. IN PARCEL 2.

⑤ AREA INCLUDES 0.191 AC. IN PARCEL 3, 3.760 S.F. IN PARCEL 4 AND 3.025 S.F. IN PARCEL 5.

⑥ REMAINING AREA FOR TRACT 2 IS TO BE USED FOR A CONSTRUCTION EASEMENT TO REMOVE THE EXISTING HOUSE. THE GARAGE AND THE POOL ARE TO REMAIN IN PLACE AND THE CONSTRCTOR SHOULD MAKE EVERY EFFORT NOT TO NOT DAMAGE THE GARAGE OR THE POOL.

⑦ NOT USED

⑧ AREA INCLUDES 4.078 AC. FOR THE CONSTRUCTION OF LIFE STAR ROAD.

⑨ INCLUDES 0.186 AC. FOR PARCEL 1, 0.827 AC. FOR PARCEL 2 AND 0.476 AC. FOR PARCEL 3.

⑩ FOR SOIL NAILS FOR RETAINING WALLS.

DISTURBED AREA

IN BETWEEN SLOPE LINES	84.382	(AC)
15 FOOT WIDE STRIP (OUT SIDE SLOPE LINES)	10.943	(AC)
TOTAL DISTURBED AREA	95.325	(AC)
TOTAL PROJECT AREA	103.709	(AC)

RIGHT - OF - WAY NOTES

(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, DESIGN DIVISION IS TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

(2) 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, DESIGN DIVISION AND THE CIVIL ENGINEERING MANAGER 1, REGIONAL DESIGN OFFICE, ARE TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

(3) ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.

(4) EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.

(5) WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY EXCEEDS 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED TO A TOUCHDOWN POINT OR UNTIL THE GRADE IS LESS THAN 7 PERCENT.

(6) WHERE THE EXISTING DRIVEWAY IS UNPAVED AND THE PROPOSED DRIVEWAY IS LESS THAN 7 PERCENT IN GRADE, EACH DRIVEWAY WILL BE PAVED A SHOULDER WIDTH FROM THE EDGE OF PAVEMENT AND THE REMAINDER OF THAT DRIVEWAY REPLACED IN KIND TO A TOUCHDOWN POINT.

(7) ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.

(8) TRACT REMAINDERS NOT HAVING AN EXISTING DRIVEWAY WILL BE PROVIDED ONE 50-FOOT OPENING IN THE ACCESS CONTROL FENCE AND A DRIVEWAY WILL BE CONSTRUCTED UNLESS ACCESS IS PROVIDED FROM AN INTERSECTING ROAD OR BASED ON PHYSICAL CONDITIONS AND/OR CONFLICTS WITH OTHER DESIGN CONSIDERATIONS WHICH PREVENT AN ACCESS OPENING. PAVING OF THESE NEW DRIVEWAYS WILL BE IN ACCORDANCE TO THE 7 PERCENT CRITERIA PREVIOUSLY MENTIONED FOR EXISTING DRIVEWAYS.

(9) NEW DRIVEWAYS PROVIDED IN THE PLANS WILL BE PAVED BASED ON THE 7 PERCENT CRITERIA. THOSE 7 PERCENT OR STEEPER IN GRADE WILL BE PAVED AND THOSE FLATTER THAN 7 PERCENT WILL BE COVERED WITH BASE STONE.

(10) ON PROJECTS WITHOUT CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT AND TO CONSTRUCT ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

(11) ON PROJECTS WITH CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT. AFTER THE PERMIT HAS BEEN GRANTED, THE DEPARTMENT WILL CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE THROUGH THE CURB AND SIDEWALK, PROVIDED THE CURB AND SIDEWALK HAVE NOT BEEN CONSTRUCTED. IT WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE FROM BACK OF SIDEWALK TO TOUCHDOWN POINT FOR ANY ADDITIONAL DRIVEWAYS OR FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

(12) ON NON-STATE ROUTES, ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS SHALL REQUIRE A PERMIT ONLY IF THE LOCAL AGENCY SPECIFIES THE NEED FOR THAT PERMIT.

UTILITY OWNERS

UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE	AT & T	865-789-4715	SAM TRENT	307 DR. MARTIN LUTHER KING JR PARKWAY	MORRISTOWN	TN	37813
WATER	KNOXVILLE UTILITIES BOARD	865-936-2222	TOMMY LAWHORN	4505 MIDDLEBROOK PIKE	KNOXVILLE	TN	37921-5599
SEWAGE	KNOXVILLE UTILITIES BOARD	865-936-2222	TOMMY LAWHORN	4505 MIDDLEBROOK PIKE	KNOXVILLE	TN	37921-5599
GAS	KNOXVILLE UTILITIES BOARD	865-320-2681	TIM KELLY	4505 MIDDLEBROOK PIKE	KNOXVILLE	TN	37921-5599
POWER	KNOXVILLE UTILITIES BOARD	865-803-2698	LES BEAVER	4505 MIDDLEBROOK PIKE	KNOXVILLE	TN	37921-5599
CABLE TV	XFINITY (COMCAST)	865-321-2340	DREW McCAWLEY	5720 ASHEVILLE HIGHWAY	KNOXVILLE	TN	37924
FIBER	MCI/VERIZON/BROOKS	615-428-4943	STANLEY MAJKA	603 WAREHOUSE PARK LANE	KNOXVILLE	TN	37932

UTILITIES

(1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. 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 IT'S 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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	3
CONST.	2023	R-STP/NH-115(29)	3

REV. 09-27-18

REVISED ACQUIRED AREA FOR TRACT NO. 1. REMOVED ACQUIRED AREA FROM TRACT 24 AND ADDED SLOPE AND CONSTRUCTION EASEMENT. REVISED OWNERS NAME ON TRACT 14.

REV. 11-19-18

REVISED ACQUIRED. AREA SLOPE EASEMENT. CONSTRUCTION EASEMENT FOR TRACT NO. 18. ADDED TRACT NOS. 8005 AND 2S. ADDED NOTE 6 TO TRACT NO. 2S.

REV. 1-11-19

REVISED ACQUIRED AREA AND REMAINING AREA FOR TRACT NO. 6.

REV. 9-16-19

REVISED ACQUIRED AREA. SLOPE AND CONSTRUCTION EASEMENT AND PERMANENT DRAINAGE EASEMENT FOR TRACT 18. REVISED ACQUIRED AREA AND SLOPE AND CONSTRUCTION EASEMENT AREA FOR TRACT NO. 19.

REV. 1-7-20

REVISED CONSTRUCTION EASEMENT AREA FOR TRACT 15.

REV. 2-21-20

ADDED TRACT NOS. 8001 AND 2SS.

REV. 6-12-20

REVISED ACQUIRED AREA FOR TRACT 16.

REV. 12-07-20

REVISED R.O.W. AREA TO BE AQCUIRED AND SLOPE AND CONSTRUCTION EASEMENT AREAS ON TRACT 19. REVISED UTILITY OWNER CONTACT INFORMATION. REVISED FOOTNOTE NUMBER 3.

REV. 6-3-21

REVISED SLOPE AND CONSTRUCTION EASEMENT AREA ON TRACT 18. ADDED FOOTNOTES 7 AND 8.

REV. 1-7-21

ADDED TRACT NOS. 7S AND 11S. ADDED PERMANENT EASEMENTS AND FOOTNOTE 9.

REV. 2-6-23

REMOVE NOTE 7. REVISED NOTE 8 AND REVISED SLOPE AND CONSTRUCTION EASEMENTS AREAS FOR TRACT 18.

REV. 2-17-23

REVISED TITLE BLOCK.

SEALED BY

GREGORY A. GRAYSON REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 102001 STATE OF TENNESSEE

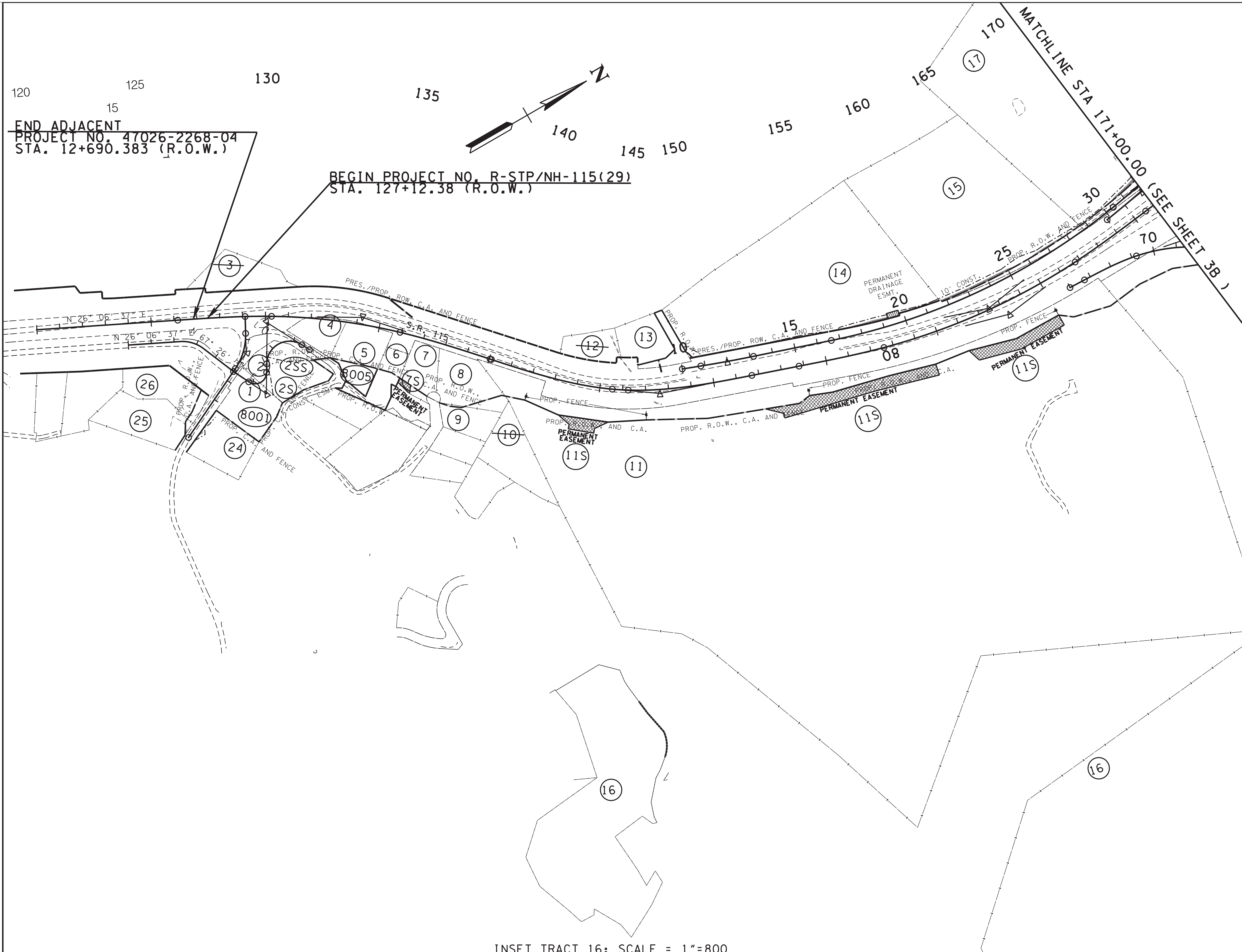
2/16/2023

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

3/20/2023 11:14:31 AM
:\TDOT\00903\PROPERTY MAPS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	3A
CONST.	2023	R-STP/NH-115(29)	3A



REV. 09-27-18

REVISED ACQUIRED AREA FOR TRACT NO. 1. REMOVED ACQUIRED AREA FROM TRACT 24 AND ADDED SLOPE AND CONSTRUCTION EASEMENT. REVISED OWNERS NAME ON TRACT 14.

REV. 11-19-18

REVISED PROPOSED RIGHT OF WAY ON TRACT NOS. 5 AND 6. ADDED TRACT NOS. 8005 AND 2S.

REV 1-7-20

REVISED CONSTRUCTION EASEMENT ON TRACT 15 FROM STA. 163+50 TO STA. 165+50

REV. 2-21-20

ADDED TRACT NOS. 8001 AND 2SS. REVISED PROPOSED RIGHT OF WAY TO TAKE ALL OF TRACT NOS. 1 AND 2.

REV. 1-7-21

ADDED TRACT NOS. 7S AND 11S. ADDED PERMANENT EASEMENTS.

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

11/21/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 125+00 TO STA. 171+00

SCALE: 1″=200′

1/18/2022 2:34:04 PM
L:\TDOT\00903\PROPERTY MAPS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	3B
CONST.	2023	R-STP/NH-115(29)	3B

REV. 11-19-18

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT, CONSTRUCTION EASEMENT FOR TRACT NO. 18. RELOCATED AND REVISED PROPOSED DRAINAGE EASEMENT TRACT NO. 18, PARCEL 6

REV. 9-16-19

REVISED PROPOSED RIGHT OF WAY, SLOPE AND CONSTRUCTION EASEMENT AND PERMANENT DRAINAGE EASEMENT FOR TRACT 18. REVISED PROPOSED RIGHT OF WAY AND SLOPE AND CONSTRUCTION EASEMENT FOR TRACT NO. 19.

REV. 6-12-20

REVISED PROPOSED RIGHT OF WAY FOR TRACT NO. 16.

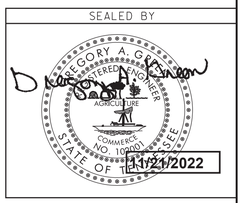
REV. 6-3-21

ADDED LIFE STAR ROAD ALONG WITH SLOPE AND CONSTRUCTION EASEMENTS TO TRACT 18.

REV. ?-?-21

REVISED SLOPE AND CONSTRUCTION EASEMENT AREA ON TRACT 18.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP

STA. 171+00 TO STA. 210+00

SCALE: 1"=200'

11/18/2022 2:34:05 PM
L:\TDOT\00903\PROPERTY MAPS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	3C
CONST.	2023	R-STP/NH-115(29)	3C

REVISION 8-31-21

REMOVED RAMP 'G'. ADDED CURVE DATA FOR WYE WAY LANE.

REVISION 9-11-23

ADDED CURVE DATA NO. 2 FOR RAMP 'A'.

REVISION 10-13-23

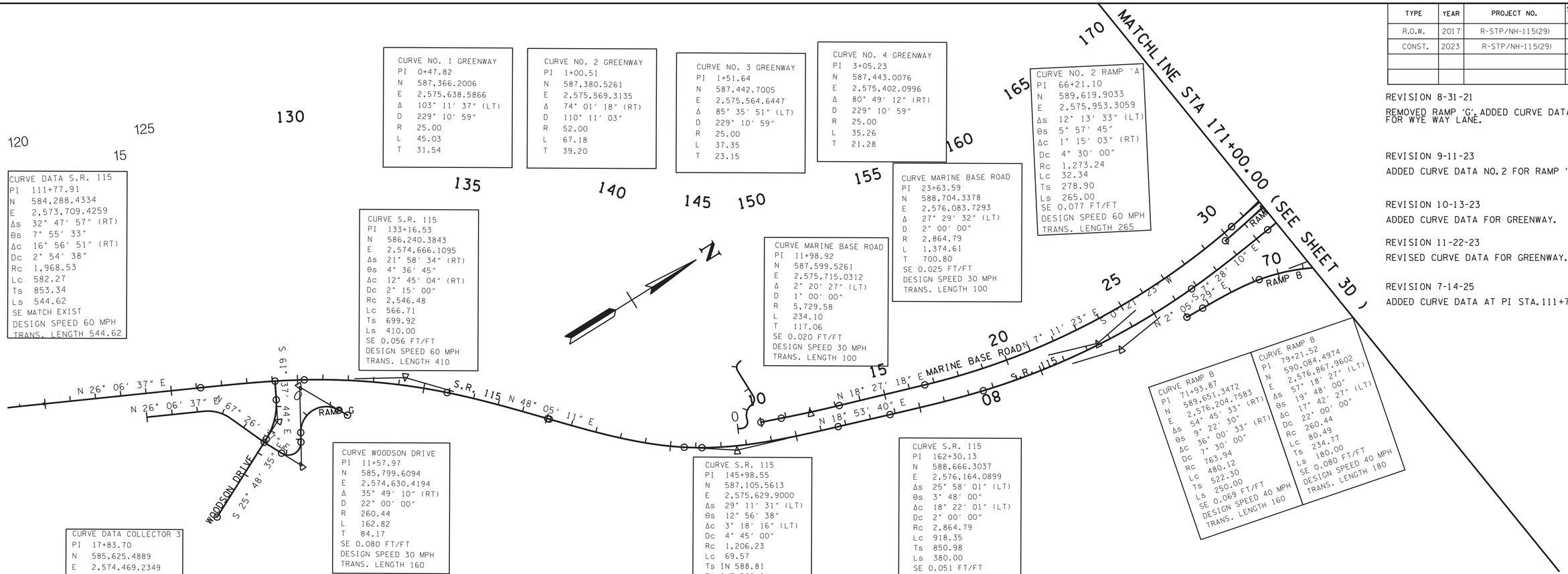
ADDED CURVE DATA FOR GREENWAY.

REVISION 11-22-23

REVISED CURVE DATA FOR GREENWAY.

REVISION 7-14-25

ADDED CURVE DATA AT PI STA. 111+77.91



CURVE DATA S.R. 115
PI 111+77.91
N 584,288.4334
E 2,573,709.4259
Δs 32° 47′ 57″ (RT)
θs 7° 55′ 33″
Δc 16° 56′ 51″ (RT)
Dc 2° 54′ 38″
Rc 1,968.53
Lc 582.27
Ts 853.34
Ls 544.62
SE MATCH EXIST
DESIGN SPEED 60 MPH
TRANS. LENGTH 544.62

CURVE NO. 1 GREENWAY
PI 0+47.82
N 587,366.2006
E 2,575,638.5866
Δ 103° 11′ 37″ (LT)
D 229° 10′ 59″
R 25.00
L 45.03
T 31.54

CURVE NO. 2 GREENWAY
PI 1+00.51
N 587,380.5261
E 2,575,569.3135
Δ 74° 01′ 18″ (RT)
D 110° 11′ 03″
R 52.00
L 67.18
T 39.20

CURVE NO. 3 GREENWAY
PI 1+51.64
N 587,442.7005
E 2,575,564.6447
Δ 85° 35′ 51″ (LT)
D 229° 10′ 59″
R 25.00
L 37.35
T 23.15

CURVE NO. 4 GREENWAY
PI 3+05.23
N 587,443.0076
E 2,575,402.0996
Δ 80° 49′ 12″ (RT)
D 229° 10′ 59″
R 25.00
L 35.26
T 21.28

CURVE NO. 2 RAMP 'A'
PI 66+21.10
N 589,619.9033
E 2,575,953.3059
Δs 12° 13′ 33″ (LT)
θs 5° 57′ 45″
Δc 1° 15′ 03″ (RT)
Dc 4° 30′ 00″
Rc 1,273.24
Lc 32.34
Ts 278.90
Ls 265.00
SE 0.077 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 265

CURVE MARINE BASE ROAD
PI 23+63.59
N 588,704.3378
E 2,576,083.7293
Δ 27° 29′ 32″ (LT)
D 2° 00′ 00″
R 2,864.79
L 1,374.61
T 700.80
SE 0.025 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 100

CURVE S.R. 115
PI 133+16.53
N 586,240.3843
E 2,574,666.1095
Δs 21° 58′ 34″ (RT)
θs 4° 36′ 45″
Δc 12° 45′ 04″ (RT)
Dc 2° 15′ 00″
Rc 2,546.48
Lc 566.71
Ts 699.92
Ls 410.00
SE 0.056 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 410

CURVE MARINE BASE ROAD
PI 11+98.92
N 587,599.5261
E 2,575,715.0312
Δ 2° 20′ 27″ (LT)
D 1° 00′ 00″
R 5,729.58
L 234.10
T 117.06
SE 0.020 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 100

CURVE RAMP B
PI 71+93.87
N 589,651.3472
E 2,576,204.7583
Δs 54° 45′ 33″ (RT)
θs 9° 22′ 30″
Δc 36° 00′ 33″ (RT)
Dc 7° 30′ 00″
Rc 763.94
Lc 480.12
Ts 250.00
Ls 522.30
SE 0.069 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 160

CURVE RAMP B
PI 79+21.52
N 590,084.4974
E 2,576,867.9602
Δs 57° 18′ 27″ (LT)
θs 19° 48′ 00″
Δc 17° 42′ 27″ (LT)
Dc 22° 00′ 00″
Rc 260.44
Lc 80.49
Ts 234.77
Ls 180.00
SE 0.080 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 180

CURVE WOODSON DRIVE
PI 11+57.97
N 585,799.6094
E 2,574,630.4194
Δ 35° 49′ 10″ (RT)
D 22° 00′ 00″
R 260.44
L 162.82
T 84.17
SE 0.080 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 160

CURVE S.R. 115
PI 145+98.55
N 587,105.5613
E 2,575,629.9000
Δs 29° 11′ 31″ (LT)
θs 12° 56′ 38″
Δc 3° 18′ 16″ (LT)
Dc 4° 45′ 00″
Rc 1,206.23
Lc 69.57
Ts IN 588.81
Ts OUT 588.81
Ls 545.00
SE 0.080 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 545

CURVE S.R. 115
PI 162+30.13
N 588,666.3037
E 2,576,164.0899
Δs 25° 58′ 01″ (LT)
θs 3° 48′ 00″
Δc 18° 22′ 01″ (LT)
Dc 2° 00′ 00″
Rc 2,864.79
Lc 918.35
Ts 850.98
Ls 380.00
SE 0.051 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 380

CURVE DATA COLLECTOR 3
PI 17+83.70
N 585,625.4889
E 2,574,469.2349
Δ 41° 20′ 01″ (RT)
D 38° 00′ 00″
R 150.78
L 108.77
T 56.87
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

CURVE NO. 1 WYE WAY
PI 1+73.54
N 585,786.4852
E 2,574,829.5397
Δ 123° 20′ 46″ (LT)
D 114° 35′ 30″
R 50.00
L 107.64
T 92.76
SE R.C.
DESIGN SPEED 15 MPH
TRANS. LENGTH 100

CURVE NO. 2 WYE WAY
PI 4+05.77
N 585,944.5156
E 2,574,562.7331
Δ 121° 49′ 07″ (RT)
D 57° 17′ 45″
R 100.00
L 212.61
T 179.73
SE 0.400 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

SEALED BY

GREGORY A. GRANSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE
7/15/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOMETRIC DESIGN

STA. 125+00 TO STA. 171+00

SCALE: 1"=200'

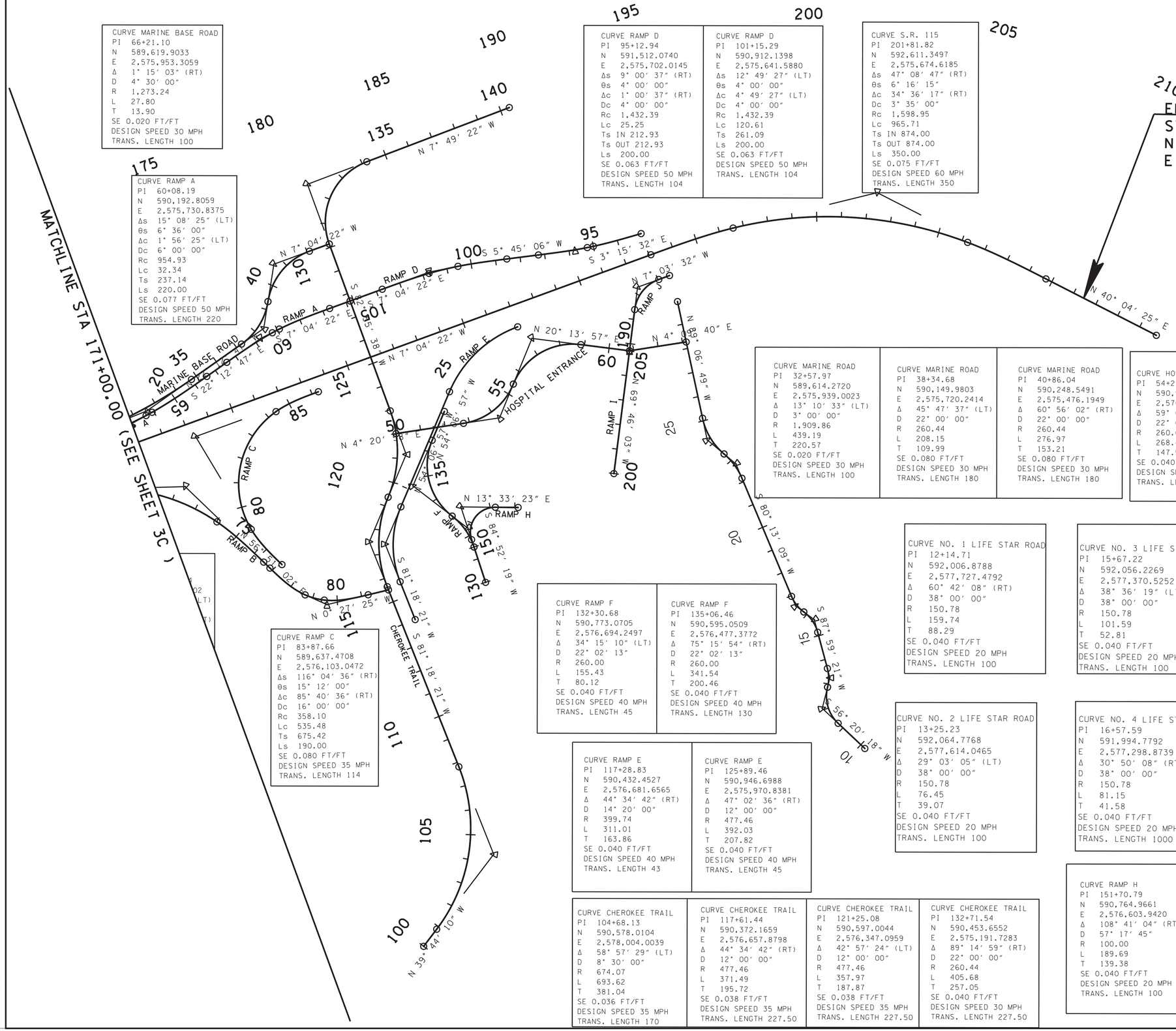
7/15/2025 8:39:27 AM
L:\TDOT\00903\GEOMETRIC LAYOUT.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	3D
CONST.	2023	R-STP/NH-115(29)	3D

REVISION 8-31-21

ADDED CURVE DATA FOR LIFE STAR ROAD.

END PROJ. NO. R-STP/NH-115(29)
STA. 211+45.34 (CONST.)
N 593,411.5872
E 2,576,347.9020



CURVE MARINE BASE ROAD
PI 66+21.10
N 589,619.9033
E 2,575,953.3059
Δ 1° 15' 03" (RT)
D 4° 30' 00"
R 1,273.24
L 27.80
T 13.90
SE 0.020 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 100

CURVE RAMP A
PI 60+08.19
N 590,192.8059
E 2,575,730.8375
Δs 15° 08' 25" (LT)
θs 6° 36' 00"
Δc 1° 56' 25" (LT)
Dc 6° 00' 00"
Rc 954.93
Lc 32.34
Ts 237.14
Ls 220.00
SE 0.077 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 220

CURVE RAMP D
PI 95+12.94
N 591,512.0740
E 2,575,702.0145
Δs 9° 00' 37" (RT)
θs 4° 00' 00"
Δc 1° 00' 37" (RT)
Dc 4° 00' 00"
Rc 1,432.39
Lc 25.25
Ts IN 212.93
Ts OUT 212.93
Ls 200.00
SE 0.063 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 104

CURVE RAMP D
PI 101+15.29
N 590,912.1398
E 2,575,641.5880
Δs 12° 49' 27" (LT)
θs 4° 00' 00"
Δc 4° 49' 27" (LT)
Dc 4° 00' 00"
Rc 1,432.39
Lc 120.61
Ts 261.09
Ls 200.00
SE 0.063 FT/FT
DESIGN SPEED 50 MPH
TRANS. LENGTH 104

CURVE S.R. 115
PI 201+81.82
N 592,611.3497
E 2,575,674.6185
Δs 47° 08' 47" (RT)
θs 6° 16' 15"
Δc 34° 36' 17" (RT)
Dc 3° 35' 00"
Rc 1,598.95
Lc 965.71
Ts IN 874.00
Ts OUT 874.00
Ls 350.00
SE 0.075 FT/FT
DESIGN SPEED 60 MPH
TRANS. LENGTH 350

CURVE MARINE ROAD
PI 32+57.97
N 589,614.2720
E 2,575,939.0023
Δ 13° 10' 33" (LT)
D 3° 00' 00"
R 1,909.86
L 439.19
T 220.57
SE 0.020 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 100

CURVE MARINE ROAD
PI 38+34.68
N 590,149.9803
E 2,575,720.2414
Δ 45° 47' 37" (LT)
D 22° 00' 00"
R 260.44
L 208.15
T 109.99
SE 0.080 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 180

CURVE MARINE ROAD
PI 40+86.04
N 590,248.5491
E 2,575,476.1949
Δ 60° 56' 02" (RT)
D 22° 00' 00"
R 260.44
L 276.97
T 153.21
SE 0.080 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 180

CURVE HOSPITAL ENTRANCE
PI 54+23.74
N 590,998.6465
E 2,576,287.7912
Δ 59° 09' 30" (LT)
D 22° 02' 13"
R 260.00
L 268.45
T 147.58
SE 0.040 FT/FT
DESIGN SPEED 25 MPH
TRANS. LENGTH 165

CURVE HOSPITAL ENTRANCE
PI 57+44.27
N 591,198.7570
E 2,576,004.0242
Δ 75° 02' 28" (RT)
D 22° 02' 13"
R 260.00
L 340.53
T 199.65
SE 0.040 FT/FT
DESIGN SPEED 25 MPH
TRANS. LENGTH 165

CURVE RAMP C
PI 83+87.66
N 589,637.4708
E 2,576,103.0472
Δs 116° 04' 36" (RT)
θs 15° 12' 00"
Δc 85° 40' 36" (RT)
Dc 16° 00' 00"
Rc 358.10
Lc 535.48
Ts 675.42
Ls 190.00
SE 0.080 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 114

CURVE RAMP F
PI 132+30.68
N 590,773.0705
E 2,576,694.2497
Δ 34° 15' 10" (LT)
D 22° 02' 13"
R 260.00
L 155.43
T 80.12
SE 0.040 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 45

CURVE RAMP F
PI 135+06.46
N 590,595.0509
E 2,576,477.3772
Δ 75° 15' 54" (RT)
D 22° 02' 13"
R 260.00
L 341.54
T 200.46
SE 0.040 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 130

CURVE RAMP E
PI 117+28.83
N 590,432.4527
E 2,576,681.6565
Δ 44° 34' 42" (RT)
D 14° 20' 00"
R 399.74
L 311.01
T 163.86
SE 0.040 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 43

CURVE RAMP E
PI 125+89.46
N 590,946.6988
E 2,575,970.8381
Δ 47° 02' 36" (RT)
D 12° 00' 00"
R 477.46
L 392.03
T 207.82
SE 0.040 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 45

CURVE CHEROKEE TRAIL
PI 104+68.13
N 590,578.0104
E 2,578,004.0039
Δ 58° 57' 29" (LT)
D 8° 30' 00"
R 674.07
L 693.62
T 381.04
SE 0.036 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 170

CURVE CHEROKEE TRAIL
PI 117+61.44
N 590,372.1659
E 2,576,657.8798
Δ 44° 34' 42" (RT)
D 12° 00' 00"
R 477.46
L 371.49
T 195.72
SE 0.038 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 227.50

CURVE CHEROKEE TRAIL
PI 121+25.08
N 590,597.0044
E 2,576,347.0959
Δ 42° 57' 24" (LT)
D 12° 00' 00"
R 477.46
L 357.97
T 187.87
SE 0.038 FT/FT
DESIGN SPEED 35 MPH
TRANS. LENGTH 227.50

CURVE CHEROKEE TRAIL
PI 132+71.54
N 590,453.6552
E 2,575,191.7283
Δ 89° 14' 59" (RT)
D 22° 00' 00"
R 260.44
L 405.68
T 257.05
SE 0.040 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 227.50

CURVE NO. 1 LIFE STAR ROAD
PI 12+14.71
N 592,056.8788
E 2,577,727.4792
Δ 60° 42' 08" (RT)
D 38° 00' 00"
R 150.78
L 159.74
T 88.29
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

CURVE NO. 2 LIFE STAR ROAD
PI 13+25.23
N 592,064.7768
E 2,577,614.0465
Δ 29° 03' 05" (LT)
D 38° 00' 00"
R 150.78
L 76.45
T 39.07
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

CURVE NO. 3 LIFE STAR ROAD
PI 15+67.22
N 592,056.2269
E 2,577,370.5252
Δ 38° 36' 19" (LT)
D 38° 00' 00"
R 150.78
L 101.59
T 52.81
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

CURVE NO. 4 LIFE STAR ROAD
PI 16+57.59
N 591,994.7792
E 2,577,298.8739
Δ 30° 50' 08" (RT)
D 38° 00' 00"
R 150.78
L 81.15
T 41.58
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 1000

CURVE NO. 5 LIFE STAR ROAD
PI 22+78.54
N 591,888.9500
E 2,576,684.9576
Δ 27° 09' 46" (LT)
D 22° 00' 00"
R 260.44
L 123.47
T 62.92
SE 0.034 FT/FT
DESIGN SPEED 020 MPH
TRANS. LENGTH 87.5

CURVE NO. 6 LIFE STAR ROAD
PI 24+28.34
N 591,797.4975
E 2,576,563.3471
Δ 37° 49' 48" (RT)
D 22° 00' 00"
R 260.44
L 171.95
T 89.24
SE 0.034 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 87.5

CURVE RAMP H
PI 151+70.79
N 590,764.9661
E 2,576,603.9420
Δ 108° 41' 04" (RT)
D 57° 17' 45"
R 100.00
L 189.69
T 139.38
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

CURVE RAMP J
PI 192+30.77
N 591,661.8195
E 2,575,898.2341
Δ 62° 42' 31" (RT)
D 38° 11' 50"
R 150.00
L 164.17
T 91.40
SE 0.040 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 45

SEALED BY

GREGORY A. MARSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 115001
STATE OF TENNESSEE
11/21/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GEOMETRIC DESIGN

STA. 171+00 TO STA. 210+00

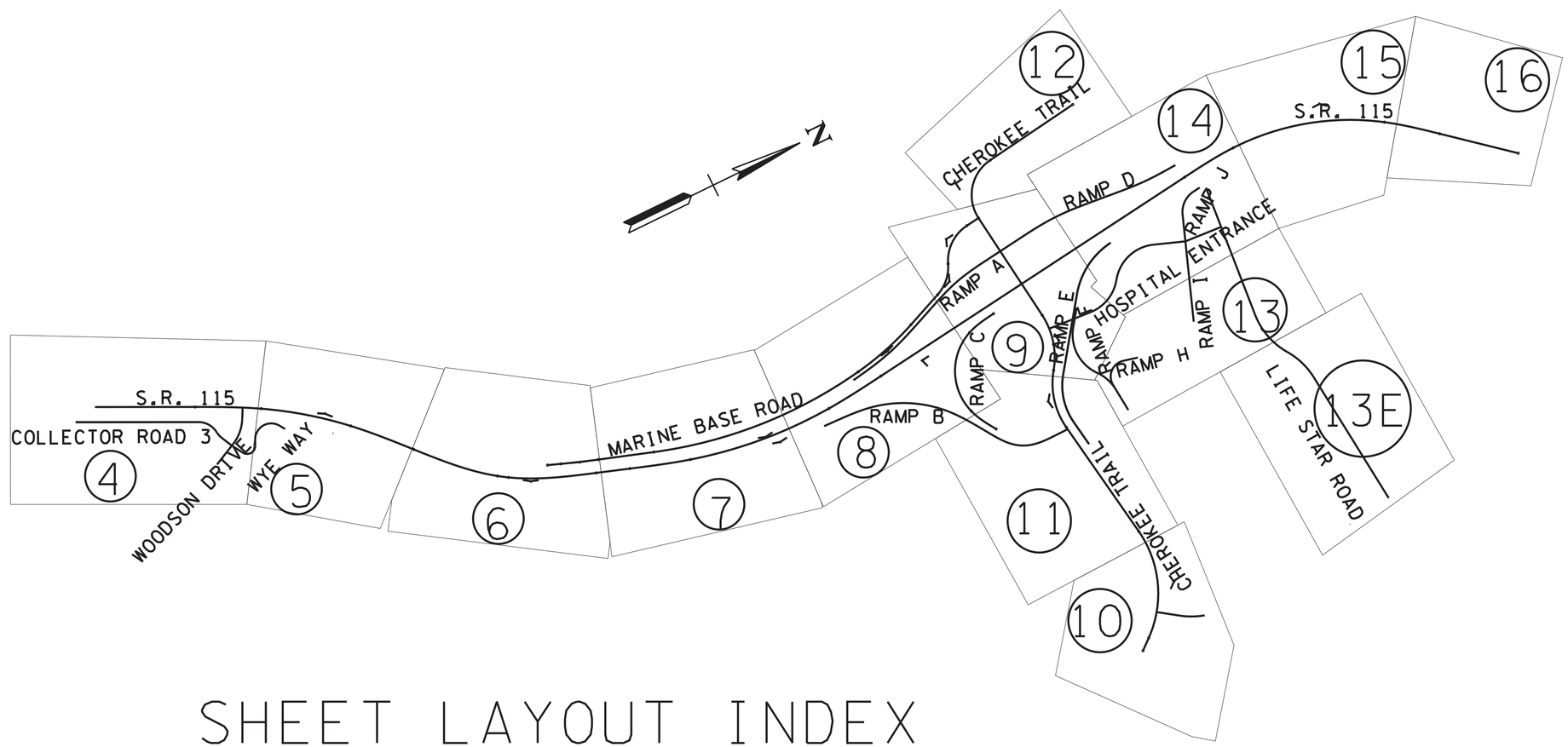
SCALE: 1"=200'

11/18/2022 2:34:09 PM
L:\TDOT\00903\GEOMETRIC LAYOUT.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	3E
CONST.	2023	R-STP/NH-115(29)	3E

REVISION 8-31-21
REMOVED RAMP 'G'. ADDED SHEET 13F.

SHEET LAYOUT NO.	EPSC - STAGE 1 SHEET NO.	EPSC - STAGE 2 SHEET NO.	EPSC - STAGE 3 SHEET NO.
4	27	28	29
5	27A	28A	29A
6	27B	28B	29B
7	27C	28C	29C
8	27D	28D	29D
9	27E	28E	29E
10	27F	28F	29F
11	27G	28G	29G
12	27H	28H	29H
13	27J	28J	29J
14	27K	28K	29K
15	27L	28L	29L
16	27M	28M	29M
13E	27N	28N	29N



SHEET LAYOUT INDEX

SEALED BY

GREGORY A. OSBORNE
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 115 OFFICE
STATE OF TENNESSEE
11/2/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SHEET LAYOUT

N.T.S.

11/18/2022 2:34:10 PM
L:\TDOT\00903\SHEET LAYOUT.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	4
CONST.	2023	R-STP/NH-115(29)	4

REV 9-27-18

ADDED DRIVEWAYS TO TRACT NOS. 24, 25 AND 26. ADDED SEPTIC TANK, DRAIN FIELD AND FENCE ALONG EXIST. R.O.W TO TRACT 24. REVISED SLOPE LIMITS AND PROP. RO.W. FOR TRACT NO. 1. REMOVED PROP. R.O.W. FROM TRACT NO. 24 AND ADDED SLOPE AND CONSTRUCTION EASEMENTS.

REV 11-19-18

ADDED TRACT NOS. 2S AND CONSTRCTION EASEMENT. ADDED STR-5.

REV 2-21-20

ADDED TRACT NOS. 2SS AND 8001. REVISED PROPOSED ROW TO TAKE ALL OF TRACT NOS. 1 AND 2.

REV 8-31-21

REMOVED RAMP 'G'.

REV 10-30-23

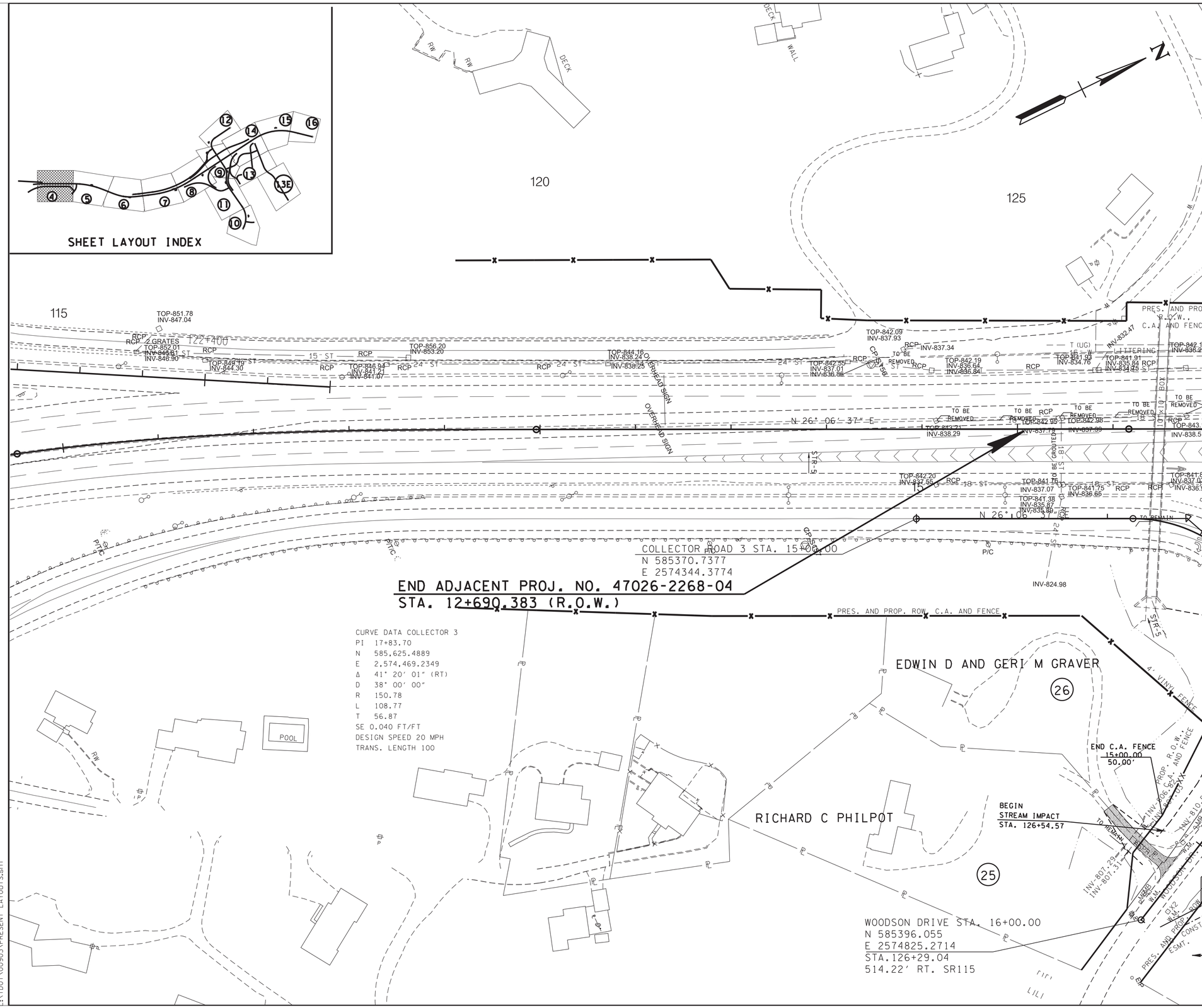
REVISED SLOPE LIMITS FOR WALL 2.

REV 2-9-24

UPDATED AS-BUILTS SECTION FROM STA 119+05.96 TO WOODSON DRIVE

REV 7-14-25

MOVED MATCHLINE FROM STA. 131+00 TO 127+00.



SEALED BY

GREGORY A. BRAUN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 115+40 TO STA. 127+00

SCALE: 1"= 50'

7/15/2025 8:39:32 AM
E:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	4A
CONST.	2023	R-STP/NH-115(29)	4A

REV 9-27-18

ADDED DRIVEWAYS TO TRACT NOS. 24, 25 AND 26. REVISED SLOPE LIMITS AND PROP. R.O.W. FOR TRACT NO. 1. REMOVED PROPOSED R.O.W. TO TRACT 24 AND ADDED SLOPE AND CONSTRUCTION EASEMENTS.

REV 11-19-18

ADDED TRACT NOS. 2S AND CONSTRCTION EASEMENT.

REV 2-21-20

ADDED TRACT NOS. 2SS AND 8001. REVISED PROPOSED ROW TO TAKE ALL OF TRACT NOS. 1 AND 2.

REV 8-31-21

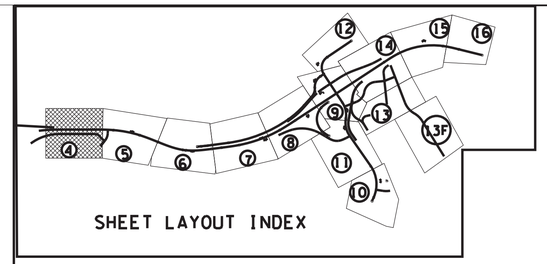
REMOVED RAMP 'G'.

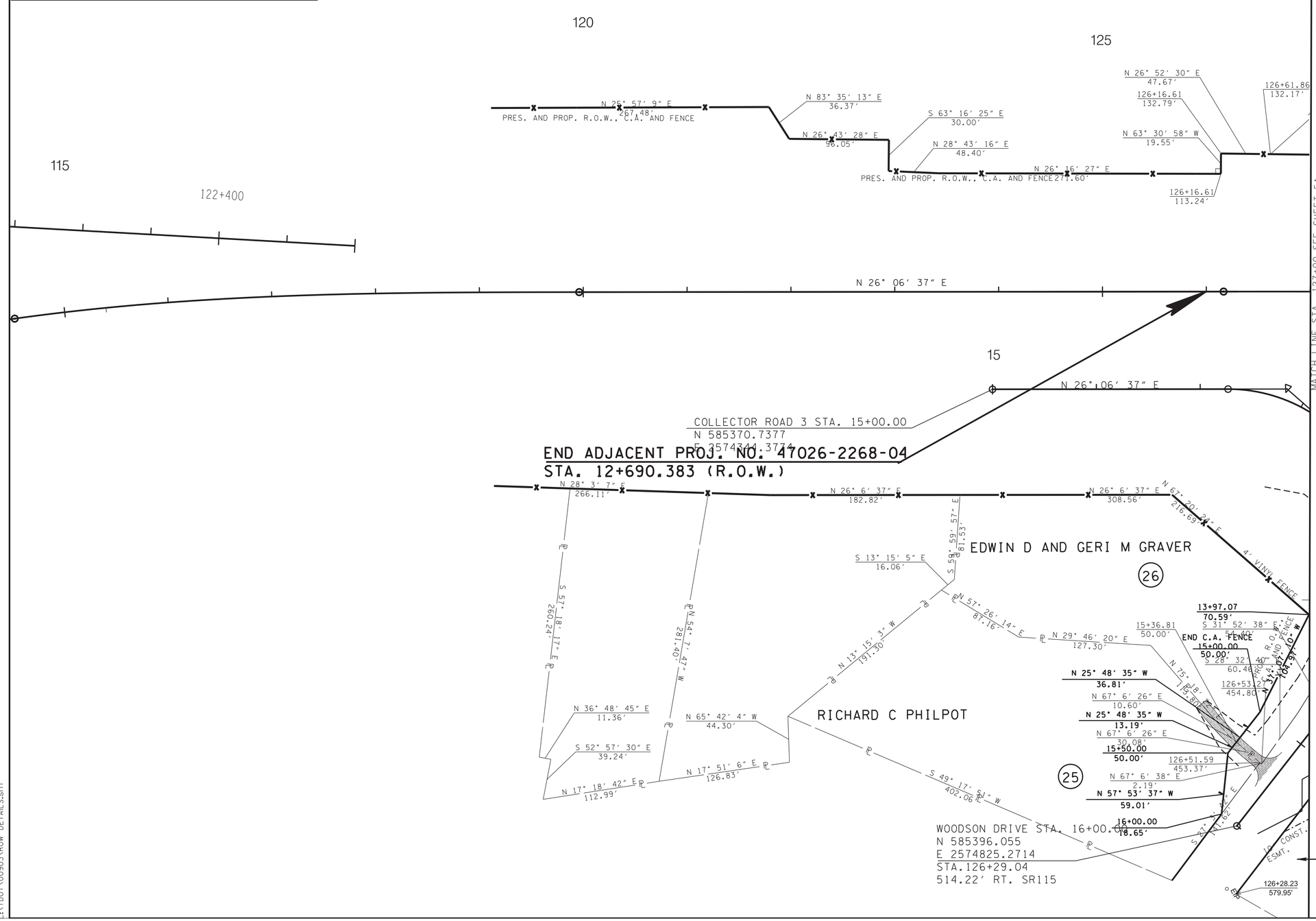
REV 10-30-23

REVISED SLOPE LIMITS FOR WALL 2.

REV 7-14-25

MOVED MATCHLINE FROM STA. 131+00 TO 127+00.





SEALED BY

GREGORY A. GRAVELLE
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102000
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

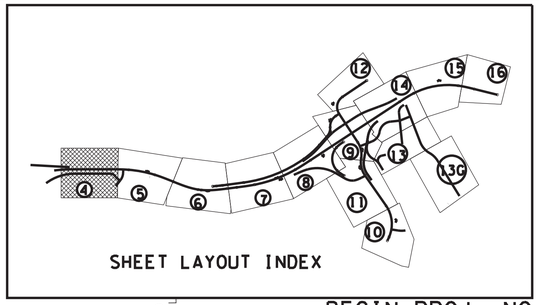
STA. 115+40 TO STA. 127+00

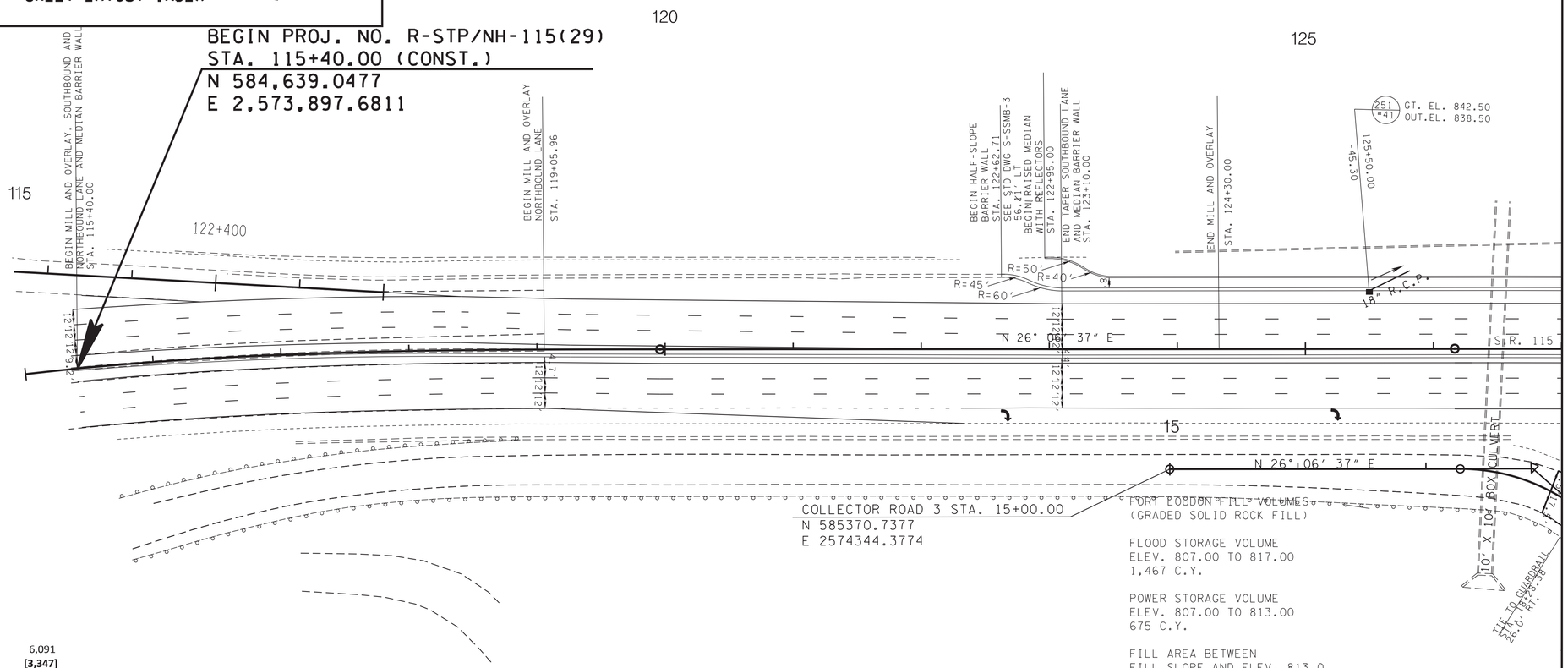
SCALE: 1"= 50'

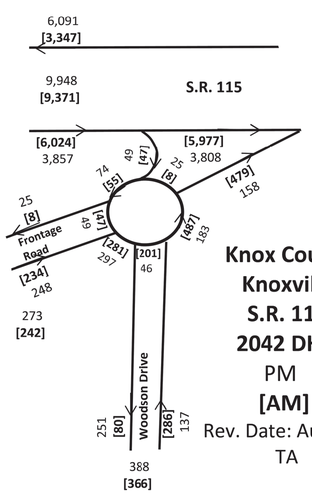
7/15/2025 8:39:33 AM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	4B
CONST.	2023	R-STP/NH-115(29)	4B

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF STR-1 THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND IS PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMITTED LOCATIONS.







Knox County
Knoxville
S.R. 115
2042 DHV
PM
[AM]
Rev. Date: August 19, 2021
TA

REV 9-27-18

ADDED DRIVEWAYS TO TRACT NOS. 24, 25 AND 26.

REV 11-19-18

ADDED STR-5 TO PLANS.

REV 2-21-20

ADDED RETAINING WALL 16 RIGHT OF WYE WAY LANE.

REV 8-31-21

REMOVED RAMP 'G'. REVISED RETAINING WALL 16 TO WALL 2. ADDED WALL 17

REV 2-17-23

REVISED SECOND STATION ON HALF-SLOPED BARRIER WALL TO 124+00.00.

ON CALLOUT FOR BEGIN WALL AT STA. 130+50, CHANGE BEGIN WALL 17 TO BEGIN SINGLE SLOPE BARRIER WALL.

ON CALLOUT AT STA. 130+75, ADD BEGIN WALL 17 AND END SINGLE SLOPE BARRIER WALL.

ADDED HALF CONCRETE BARRIER WALL (S-SSMB-3) TO GO IN FRONT OF WALL 17. REVISED OFFSET TO 83.00 FEET.

ADDED GUARDRAIL RIGHT OF WYE WAY LANE.

REVISED OFFSETS FROM 26.50 FEET TO 26.00 FETT FOR WALL 2.

REV 9-1-23

REVISED ELEVATIONS ON STRUCTURE NOS. 2, 3, 4, AND 243.

ADDED STRUCTURE NOS. 244 AND 245 AND 24" R.C.P.

ADDED SPECIAL DITCH BETWEEN THE END OF WALL 17 AND STRUCTURE NO. 244.

ADDED ELEVATIONS TO ROUNDABOUT DETAIL.

REV 11-22-23

REVISED FLOW DIRECTION ON WYE WAY DITCH.

REVISED ELEVATIONS TO ROUNDABOUT DETAIL.

REV 2-9-24

REVISED COORDINATES FOR BEGIN CONSTRUCTION STATION

REVISED STR NO'S 7, 9, 242 AND 243.

REVISED BARRIER WALL LOCATION AND TYPE FROM STA. 123+50 TO STA. 128+85 ALONG WITH SHOULDER WIDTH AND GREENWAY WIDTH.

ADDED NOTE TO RAISE EXISTING CATCHBASIN RIGHT OF STA. 126+60.

REVISED END STATION OF MILL AND OVERLAY

REV 3-29-24

REVISED STATION AND/OR OFFSET FOR STR. NO. 5, 9 AND 244.

REV 7-17-24

ADDED STR-246.

REV 7-14-25

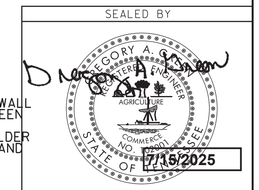
MOVED MATCHLINE FROM STA. 131+00 TO 127+00.

REVISED BEGIN CONSTRUCTION STATION.

MOVED CENTER BARRIER WALL AND BARRIER WALL BETWEEN EDGE OF SHOULDER AND GREENWAY, EDGE OF SHOULDER AND EDGE OF PAVEMENT AND GREENWAY.

ADDED STR. NO. 251.

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 115+40 TO STA. 127+00

SCALE: 1" = 50'

7/15/2025 8:39:34 AM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	4C
CONST.	2023	R-STP/NH-115(29)	4C

REV. 2-17-23
REVISED GRADING QUANTITIES

REV. 2-9-24
REVISED PROPOSED PROFILE FROM STA. 124+30 TO STA. 129+00.00.
REVISED EXISTING GROUND LINE FROM STA. 119+05.96 TO STA. 131+00.00.
REVISED STR. NO.S 7, 9, 242 AND 243.

REV 7-14-25
MOVED MATCHLINE FROM STA. 131+00 TO 127+00. MOVED BEGIN CONSTRUCTION STATION TO 115+40.00
ADDED STR. NO. 251.

EXC. (UNCL.) 907,787 C.Y. (INCLUDES 162,778 C.Y FROM RAMPS AND SIDEROADS, 2,705 C.Y. FROM DRIVEWAYS AND 24,515 C.Y. STRIPPED IN FILL AREA)

EMB. 478,877 C.Y (INCLUDES 366,540 C.Y FROM RAMPS AND SIDEROADS, 12,172 C.Y. FROM ROCK FILL IN PONDS, 330 C.Y. FOR DRIVEWAYS AND 13,475 C.Y. TO REPLACE TOPSOIL STRIPPED IN FILL)

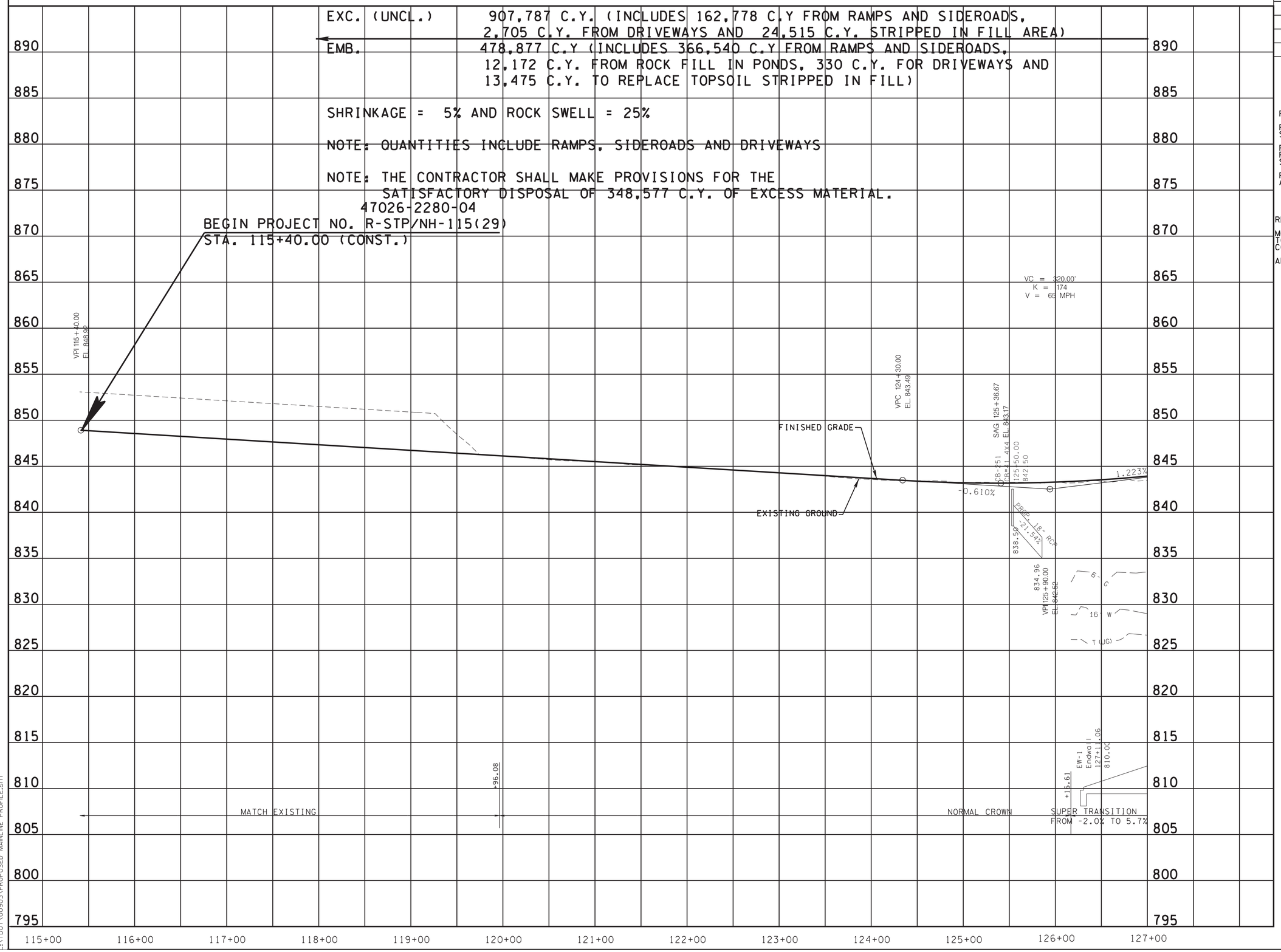
SHRINKAGE = 5% AND ROCK SWELL = 25%

NOTE: QUANTITIES INCLUDE RAMPS, SIDEROADS AND DRIVEWAYS

NOTE: THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE SATISFACTORY DISPOSAL OF 348,577 C.Y. OF EXCESS MATERIAL.

47026-2280-04

BEGIN PROJECT NO. R-STP/NH-115(29)
STA. 115+40.00 (CONST.)



SEALED BY

GREGORY A. GREEN
REGISTERED PROFESSIONAL ENGINEER
AGRICULTURE
COMMERCE
NO. 107
STATE OF TENNESSEE
7/15/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

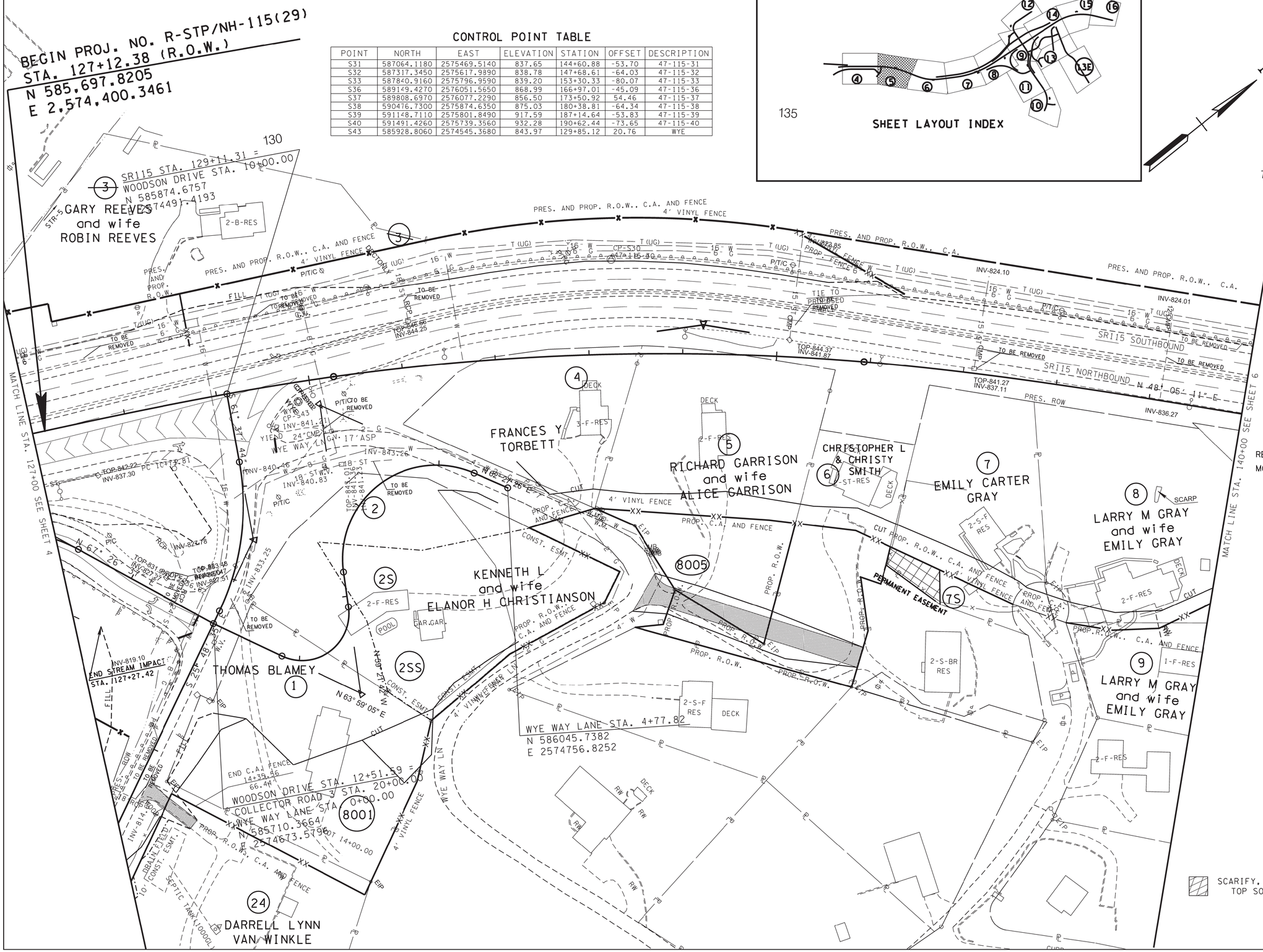
STA.115+40 TO STA. 127+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

7/15/2025 8:40:07 AM
L:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	5
CONST.	2023	R-STP/NH-115(29)	5

CONTROL POINT TABLE

POINT	NORTH	EAST	ELEVATION	STATION	OFFSET	DESCRIPTION
S31	587064.1180	2575469.5140	837.65	144+60.88	-53.70	47-115-31
S32	587317.3450	2575617.9890	838.78	147+68.61	-64.03	47-115-32
S33	587840.9160	2575796.9590	839.20	153+30.33	-80.07	47-115-33
S36	589149.4270	2576051.5650	868.99	166+97.01	-45.09	47-115-36
S37	589808.6970	2576077.2290	856.50	173+50.92	54.46	47-115-37
S38	590476.7300	2575874.6350	875.03	180+38.81	-64.34	47-115-38
S39	591148.7110	2575801.8490	917.59	187+14.64	-53.83	47-115-39
S40	591491.4260	2575739.3560	932.28	190+62.44	-73.65	47-115-40
S43	585928.8060	2574545.3680	843.97	129+85.12	20.76	WYE



REV 11-19-18

ADDED TURN AROUND AND DRIVEWAY ACROSS TRACT NOS. 5 AND 6. REVISED PROPOSED RIGHT OF WAY TO TRACT NOS. 5 AND 6. ADDED DRIVEWAY TO TRACT NO. 2. ADDED TRACT NOS. 8005 AND 2S. ADDED CONSTRUCTION EASEMENT TO TRACT NO. 2S.

REV 2-21-20

ADDED TRACT NOS. 2SS AND 8001. REVISED PROPOSED ROW TO TAKE ALL OF TRACT NOS. 1 AND 2. REMOVED TURN AROUND ON TRACT 5. REMOVED PROPOSED DRIVEWAY ON TRACT 2.

REV 8-31-21

REMOVED RAMP 'G'.

REV 1-7-22

ADDED TRACT 7S AND PERMANENT EASEMENT.

REV 10-13-23

ELEVATION WAS REVISED FOR CONTROL POINT S43.

REV 10-30-23

REVISED SLOPE LIMITS FOR WALL 2.

REV 2-9-24

REVISED TDOT CONTROL POINT TABLE.

REVISED EXISTING PAVEMENT, SHOULDER, BARRIER WALL AND DRAINAGE.

REV 7-14-25

MOVED MATCHLINE FROM STA. 131+00 TO 127+00.

SEALED BY

GREGORY A. GLASSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 101
STATE OF TENNESSEE
7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

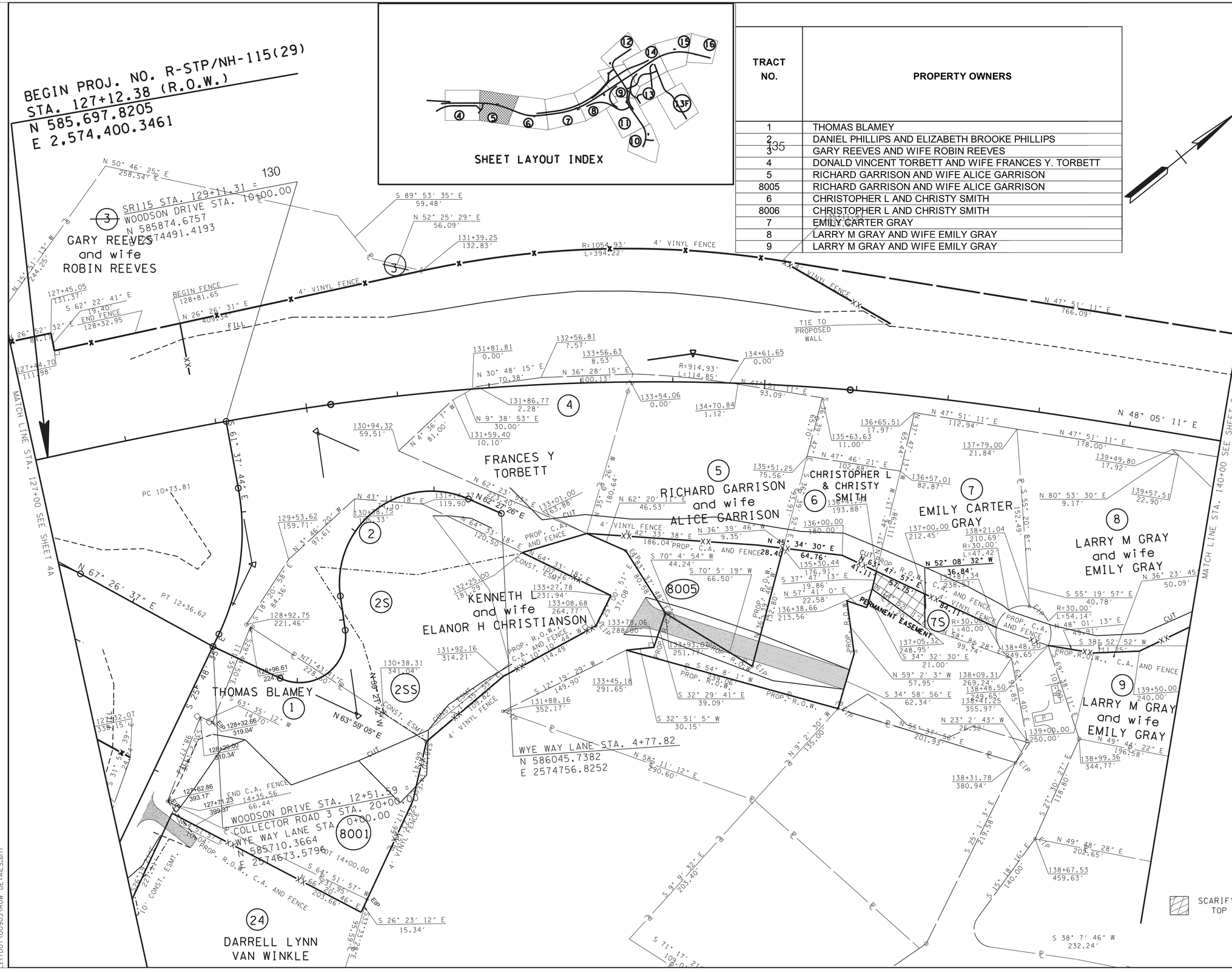
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 127+00 TO STA. 140+00

SCALE: 1"= 50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	5A
CONST.	2023	R-STP/NH-115(29)	5A



TRACT NO.	PROPERTY OWNERS
1	THOMAS BLAMEY
2	DANIEL PHILLIPS AND ELIZABETH BROOKE PHILLIPS
3	GARY REEVES AND WIFE ROBIN REEVES
4	DONALD VINCENT TORBETT AND WIFE FRANCES Y. TORBETT
5	RICHARD GARRISON AND WIFE ALICE GARRISON
8005	RICHARD GARRISON AND WIFE ALICE GARRISON
6	CHRISTOPHER L AND CHRISTY SMITH
8006	CHRISTOPHER L AND CHRISTY SMITH
7	EMILY CARTER GRAY
8	LARRY M GRAY AND WIFE EMILY GRAY
9	LARRY M GRAY AND WIFE EMILY GRAY

REV 11-19-18

ADDED TURN AROUND AND DRIVEWAY ACROSS TRACT NOS. 5 AND 6. REVISED PROPOSED RIGHT OF WAY TO TRACT NOS. 5 AND 6. ADDED DRIVEWAY TO TRACT NO. 2. ADDED TRACT NOS. 8005 AND 2S. ADDED CONSTRUCTION EASEMENT TO TRACT NO. 2S.

REV 2-21-20

ADDED TRACT NOS. 2SS AND 8001. REVISED PROPOSED ROW TO TAKE ALL OF TRACT NOS. 1 AND 2. REMOVED TURN AROUND ON TRACT 5. REMOVED PROPOSED DRIVEWAY ON TRACT 2.

REV 8-31-21

REMOVED RAMP 'G'.

REV 1-7-22

ADDED TRACT 7S AND PERMANENT EASEMENT.

REV 10-30-23

REVISED SLOPE LIMITS FOR WALL 2.

REV 7-14-25

MOVED MATCHLINE FROM STA. 131+00 TO 127+00.

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102 OF TENNESSEE
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 127+00 TO STA. 140+00

SCALE: 1"= 50'

7/15/2025 8:40:14 AM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	5B
CONST.	2023	R-STP/NH-115(29)	5B

REV 11-19-18

ADDED TURN AROUND AND DRIVEWAY ACROSS TRACT NOS. 5 AND 6. ADDED DRIVEWAY TO TRACT NO. 2.

REV 2-21-20

REMOVED TURN AROUND FOR TRACT NO. 5 AND DRIVEWAY FROM TRACT NO. 2.

REV 8-31-21

REMOVED RAMP 'G'. ADDED RETAINING WALL 17 AND WALL 18.

REV 2-17-23

ON CALLOUT AT STA. 134+00. ADD END SINGLE SLOPE BARRIER WALL, SEE STD. DWG. S-SSMB-9.

ON CALLOUT AT STA. 136+30. CHANGE STD. DWG. MM-PBR-2 TO MM-PBR-1.

ADDED GUARDRAIL RIGHT OF WYE WAY LANE.

ADDED HALF CONCRETE BARRIER WALL (S-SSMB-3) TO GO IN FRONT OF WALL 17. REVISED OFFSET TO 83.00 FEET

REV 9-11-23

REVISED LOCATION OF TIER 1 AND 2 OF WALL 18.

REV 3-29-24

REVISED STATION AND/OR OFFSET FOR STR. NO. 13.

REV 5-20-24

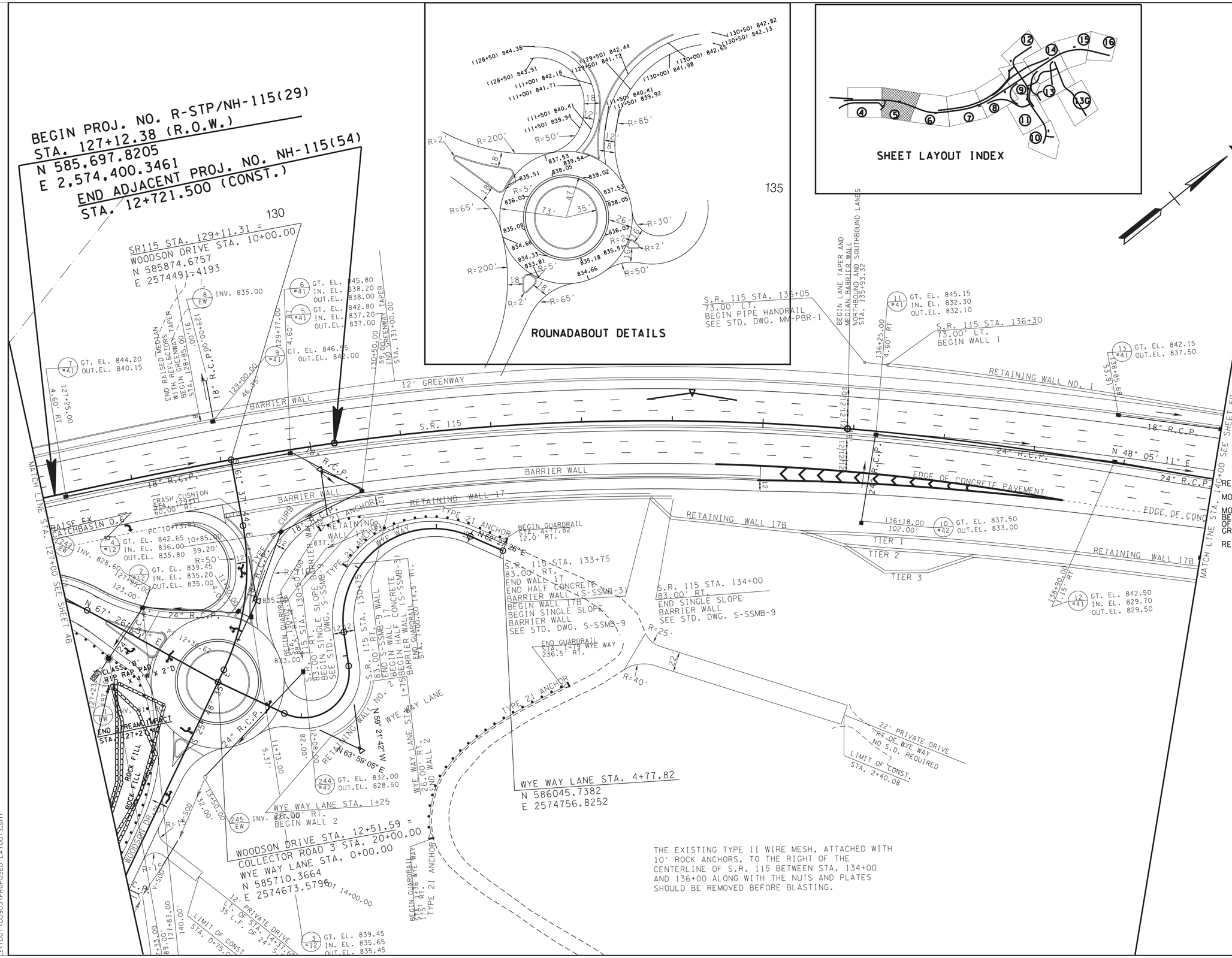
REVISED ELEVATION ON STR. NO. 10.

REV 7-14-25

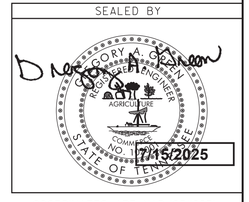
MOVED MATCHLINE FROM STA. 131+00 TO 127+00.

MOVED CENTER BARRIER WALL AND BARRIER WALL BETWEEN EDGE OF SHOULDER AND GREENWAY, EDGE OF SHOULDER AND EDGE OF PAVEMENT AND GREENWAY.

REVISED STR. NOS. 6, 7, 9, 11, 12, 13 AND 16



SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 127+00 TO STA. 140+00

SCALE: 1"= 50'

7/15/2025 8:40:19 AM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	5C
CONST.	2023	R-STP/NH-115(29)	5C

REV. 11-19-18

ADDED PRIVATE DRIVE PROFILE FOR TRACT NOS. 5 AND 6.

REV. 2-9-24

REVISED EXISTING GROUND LINE FROM STA. 138+25 TO STA. 165+00.00.

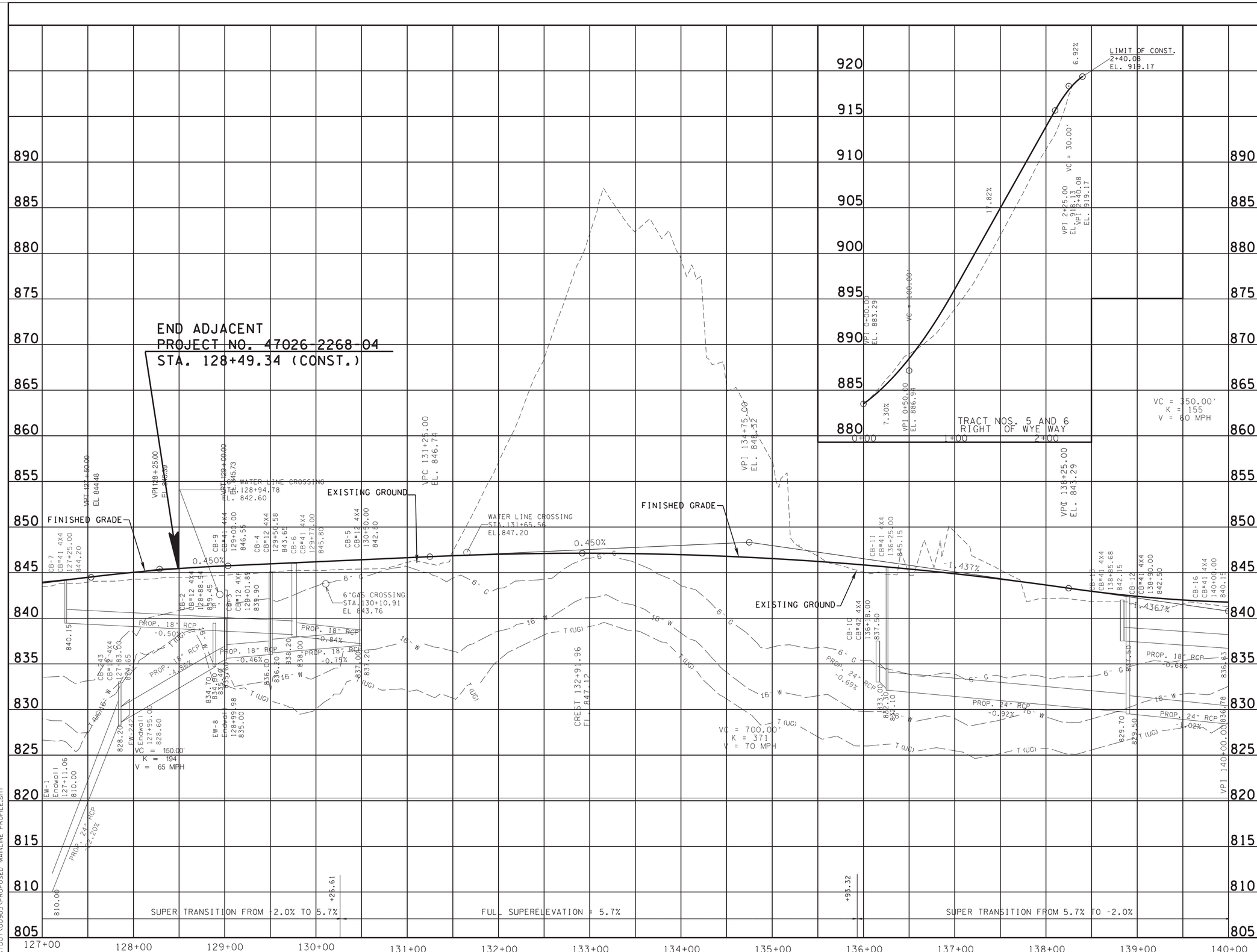
REV. 5-20-24

REVISED ELEVATION ON STR. NO. 10.

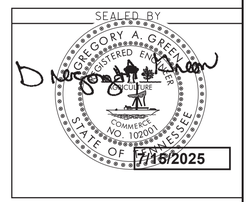
REV 7-14-25

MOVED MATCHLINE FROM STA. 131+00 TO 127+00.

REVISED STR. NOS. 6, 7, 9, 11, 12, 13, AND 16.



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 127+00 TO STA. 140+00

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

7/15/2025 8:40:19 AM
:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	6
CONST.	2023	R-STP/NH-115(29)	6

REV 9-27-18

REVISED OWNERS NAME ON TRACT 14.

REV 1-7-22

ADDED TRACT 11S AND PERMANENT EASEMENT

REV 9-11-23

REVISED DRIVEWAY TO TRACT 13 AND GREENWAY.

REV 10-13-23

ADDED TEMPORARY MARINE APPROVED FENCE. REMOVED 4' VINYL FENCE AND REPLACED WITH 8' MARINE APPROVED FENCE FROM STA. 148+98.77 TO STA. 160+58.85.

REV 11-22-23

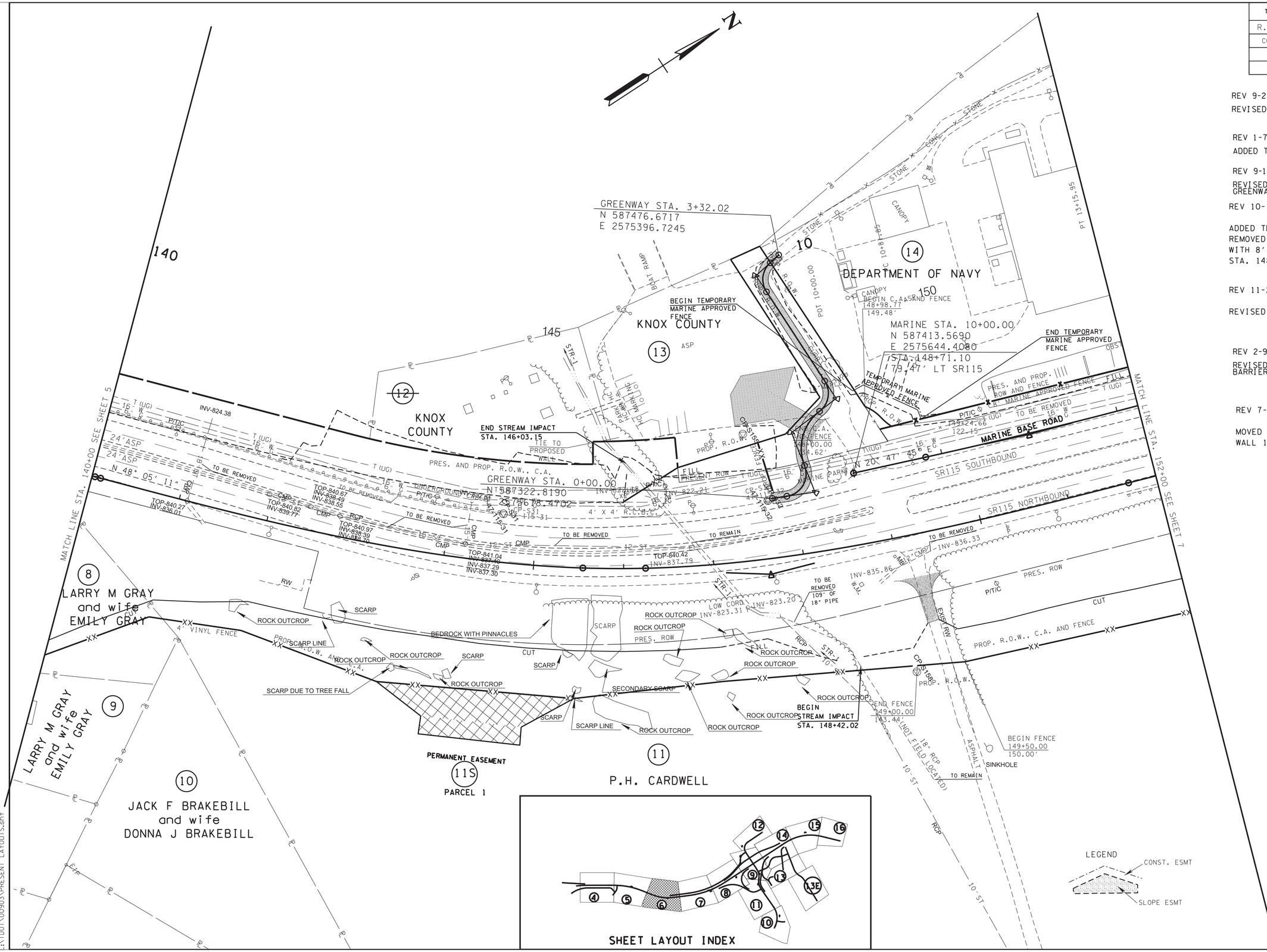
REVISED GREENWAY ALIGNMENT.

REV 2-9-24

REVISED EXISTING PAVEMENT, SHOULDER, BARRIER WALL AND DRAINAGE.

REV 7-14-25

MOVED PROPOSED FENCE OFF OF WALL 19 TO THE PROPOSED ROW.



SEALED BY

GREGORY A. CARLTON
REGISTERED ENGINEER
NO. 14
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 140+00 TO STA. 152+00

SCALE: 1"= 50'

7/15/2025 8:40:22 AM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	6A
CONST.	2023	R-STP/NH-115(29)	6A

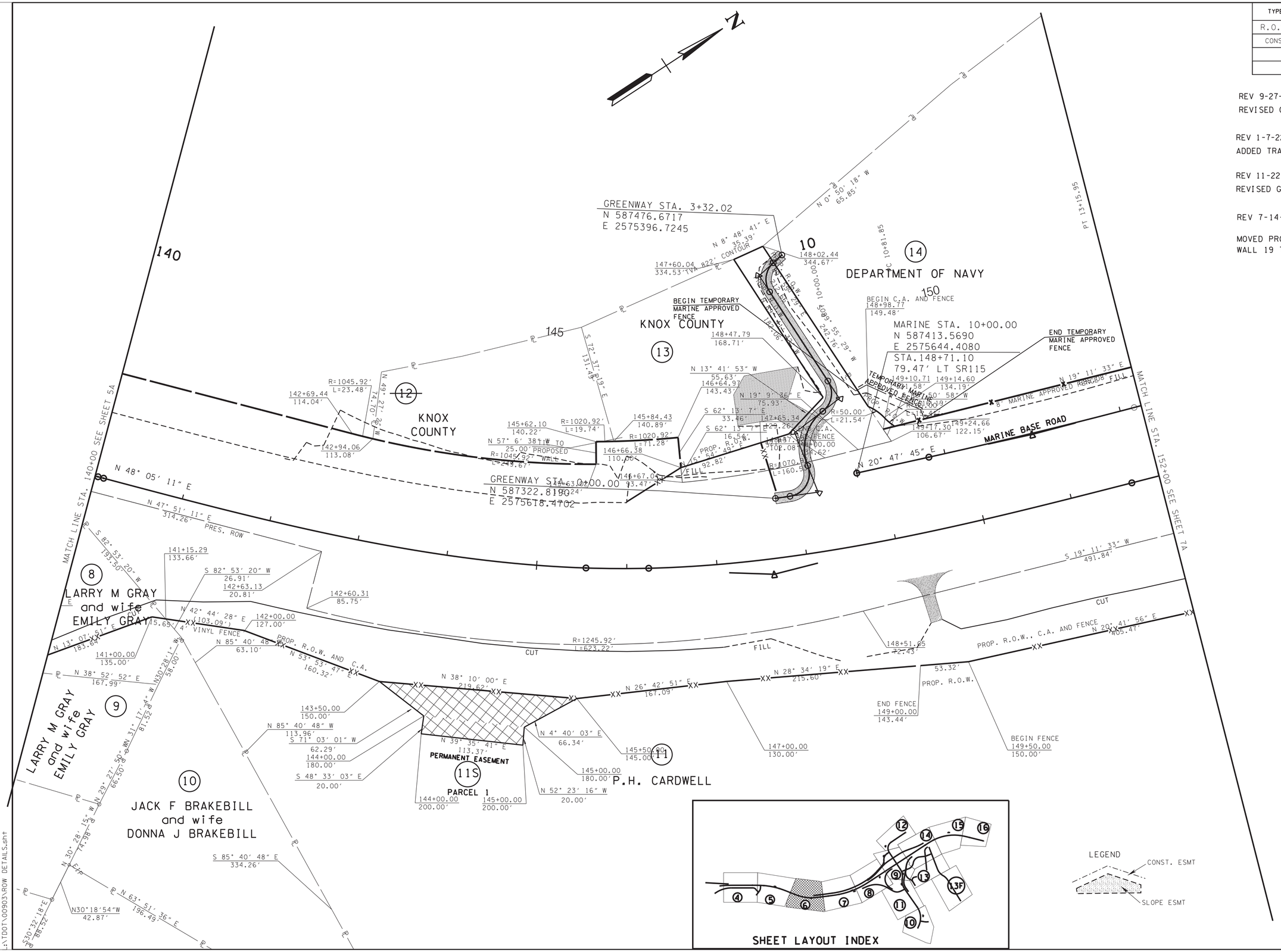
REV 9-27-18
REVISED OWNERS NAME TO TRACT 14.

REV 1-7-22
ADDED TRACT 11S AND PERMANENT EASEMENT

REV 11-22-23
REVISED GREENWAY ALIGNMENT

REV 7-14-25

MOVED PROPOSED FENCE OFF OF WALL 19 TO THE PROPOSED ROW.



SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

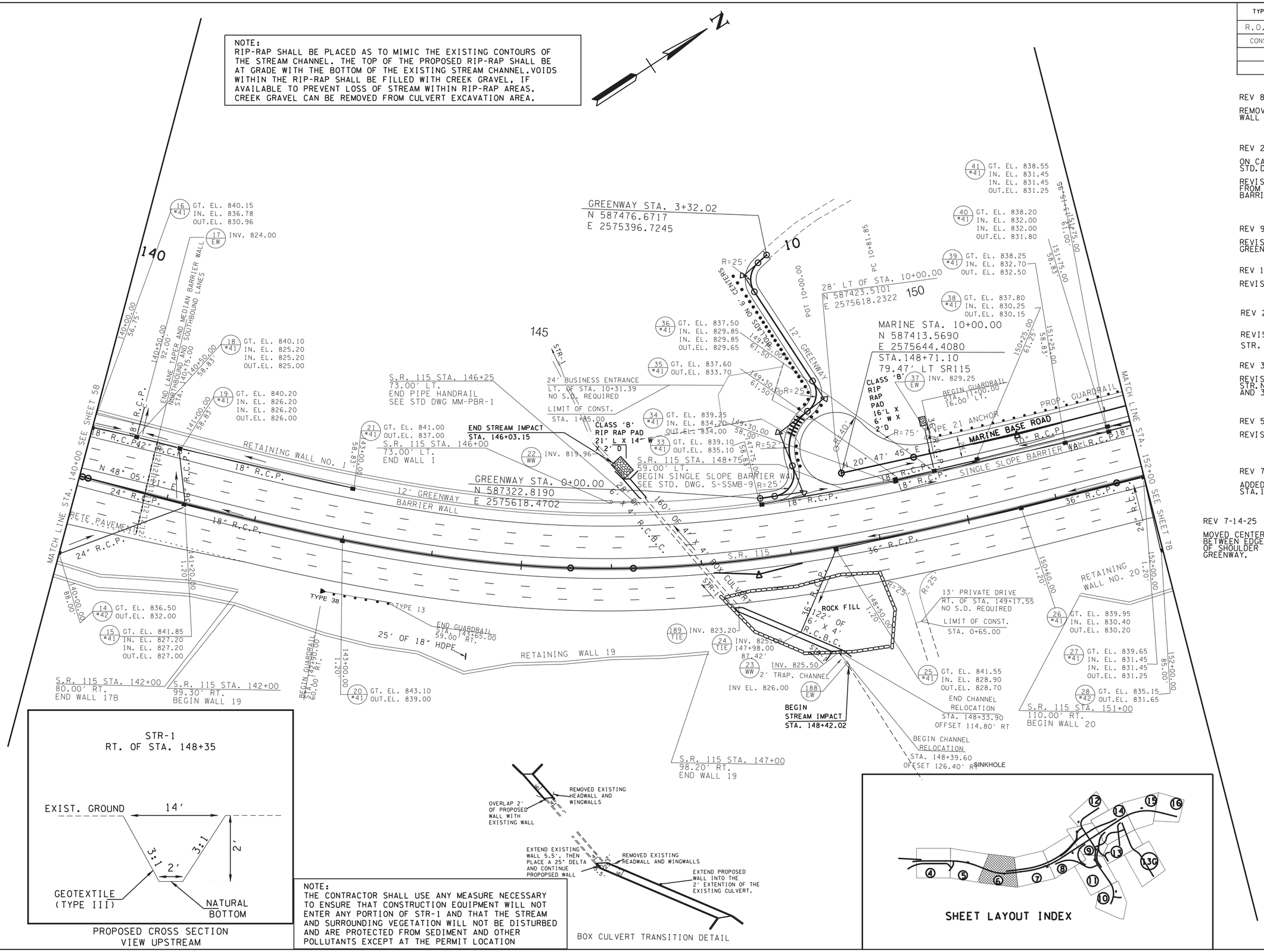
STA. 140+00 TO STA. 152+00

SCALE: 1"= 50'

7/15/2025 8:40:24 AM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	6B
CONST.	2023	R-STP/NH-115(29)	6B

NOTE:
RIP-RAP SHALL BE PLACED AS TO MIMIC THE EXISTING CONTOURS OF THE STREAM CHANNEL. THE TOP OF THE PROPOSED RIP-RAP SHALL BE AT GRADE WITH THE BOTTOM OF THE EXISTING STREAM CHANNEL.VOIDS WITHIN THE RIP-RAP SHALL BE FILLED WITH CREEK GRAVEL. IF AVAILABLE TO PREVENT LOSS OF STREAM WITHIN RIP-RAP AREAS. CREEK GRAVEL CAN BE REMOVED FROM CULVERT EXCAVATION AREA.



PROPOSED CROSS SECTION
VIEW UPSTREAM

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT WILL NOT ENTER ANY PORTION OF STR-1 AND THAT THE STREAM AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS EXCEPT AT THE PERMIT LOCATION

BOX CULVERT TRANSITION DETAIL

SHEET LAYOUT INDEX

REV 8-31-21
REMOVED WALL 2 AND ADDED RETAINING WALL 19 AND WALL 20.

REV 2-17-23
ON CALLOUT AT STA.146+00, CHANGE STD.DWG.MM-PBR-2 TO MM-PBR-1.
REVISED LABEL ON THE GRAVITY WALL FROM GRAVITY WALL TO SINGLE SLOPE BARRIER WALL.

REV 9-11-23
REVISED DRIVEWAY TO TRACT 13 AND GREENWAY.

REV 11-22-23
REVISED GREENWAY ALIGNMENT.

REV 2-9-24
REVISED PIPE SIZE BETWEEN STR. 24 AND 25.

REV 3-29-24
REVISED STATION AND/OR OFFSET FOR STR.NO.16,18,19,21,23,24 33-36 AND 38-41.

REV 5-20-24
REVISED ELEVATION ON STR.NO.24.

REV 7-17-24
ADDED SLOPE DRAIN RIGHT OF STA.144+50.

REV 7-14-25
MOVED CENTER BARRIER WALL AND BARRIER WALL BETWEEN EDGE OF SHOULDER AND GREENWAY, EDGE OF SHOULDER AND EDGE OF PAVEMENT AND GREENWAY.

SEALED BY
GREGORY A. GRANGER
REGISTERED ENGINEER
NO. 102001
COMMERCE AGRICULTURE
STATE OF TENNESSEE
7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 140+00 TO STA. 152+00

SCALE: 1"= 50'

7/15/2025 8:40:25 AM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	6C
CONST.	2023	R-STP/NH-115(29)	6C

REV. 2-9-24

REVISED EXISTING GROUND LINE FROM STA. 138+25 TO STA. 165+00.00.

REVISED PIPE SIZE BETWEEN STRUCTURE NO. 24 AND 25.

REV. 5-20-24

REVISED ELEVATION ON STR. NO. 24.

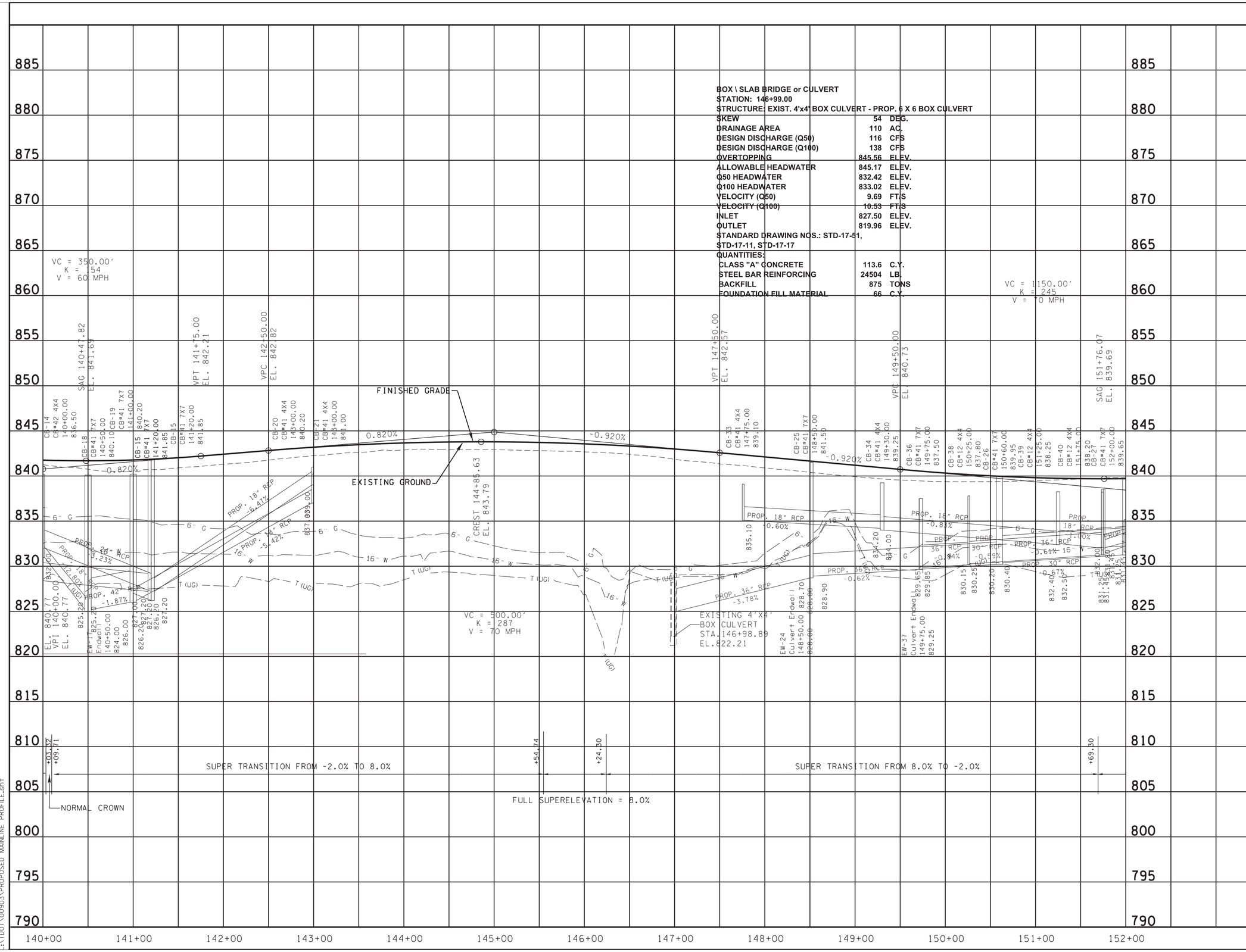
BOX \ SLAB BRIDGE or CULVERT
STATION: 146+99.00
STRUCTURE: EXIST. 4'x4' BOX CULVERT - PROP. 6 X 6 BOX CULVERT

SKEW	54	DEG.
DRAINAGE AREA	110	AC.
DESIGN DISCHARGE (Q50)	116	CFS
DESIGN DISCHARGE (Q100)	138	CFS
OVERTOPPING	845.56	ELEV.
ALLOWABLE HEADWATER	845.17	ELEV.
Q50 HEADWATER	832.42	ELEV.
Q100 HEADWATER	833.02	ELEV.
VELOCITY (Q50)	9.69	FT/S
VELOCITY (Q100)	10.53	FT/S
INLET	827.50	ELEV.
OUTLET	819.96	ELEV.

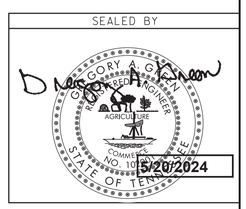
STANDARD DRAWING NOS.: STD-17-51, STD-17-11, STD-17-17

QUANTITIES:

CLASS "A" CONCRETE	113.6	C.Y.
STEEL BAR REINFORCING	24504	LB.
BACKFILL	875	TONS
FOUNDATION FILL MATERIAL	66	C.Y.



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 140+00 TO STA. 152+00

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

5/17/2024 9:40:46 AM
L:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	7
CONST.	2023	R-STP/NH-115(29)	7

REV 9-27-18

REVISED OWNERS NAME ON TRACT 14.

REV 1-7-20

REVISED CONSTRUCTION EASEMENT ON TRACT 15 FROM STA. 163+50 TO STA. 165+50

REV 1-7-22

ADDED TRACT 11S AND PERMANENT EASEMENT.

REV 9-11-23

REVISED LOCATION OF EXISTING 16" WATERLINE FROM STA. 161+00 TO STA. 191+00.

REV 10-13-23

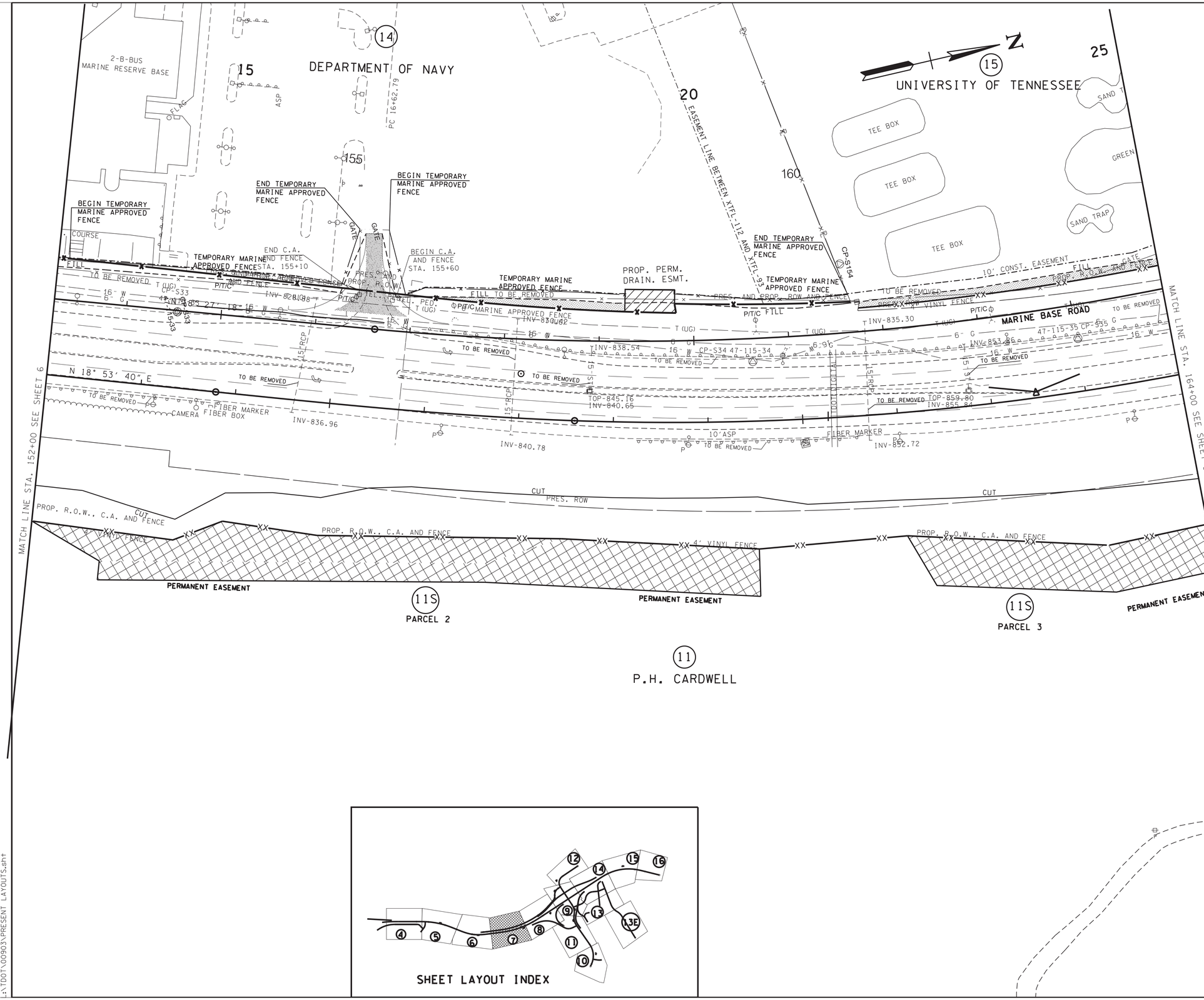
ADDED TEMPORARY MARINE APPROVED FENCE. REMOVED 4' VINYL FENCE AND REPLACED WITH 8' MARINE APPROVED FENCE FROM STA. 148+98.77 TO STA. 160+58.85.

REV 2-9-24

REVISED EXISTING PAVEMENT, SHOULDER, AND DRAINAGE.

REV 7-14-25

MOVED PROPOSED FENCE OFF OF WALLS 21 AND 22 TO THE PROPOSED ROW.



SEALED BY

GREGORY A. GRAHAM REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 109001 STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 152+00 TO STA. 164+00

SCALE: 1"= 50'

7/15/2025 8:40:26 AM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	7A
CONST.	2023	R-STP/NH-115(29)	7A

REV 9-27-18

REVISED OWNERS NAME TO TRACT 14.

REV 1-7-20

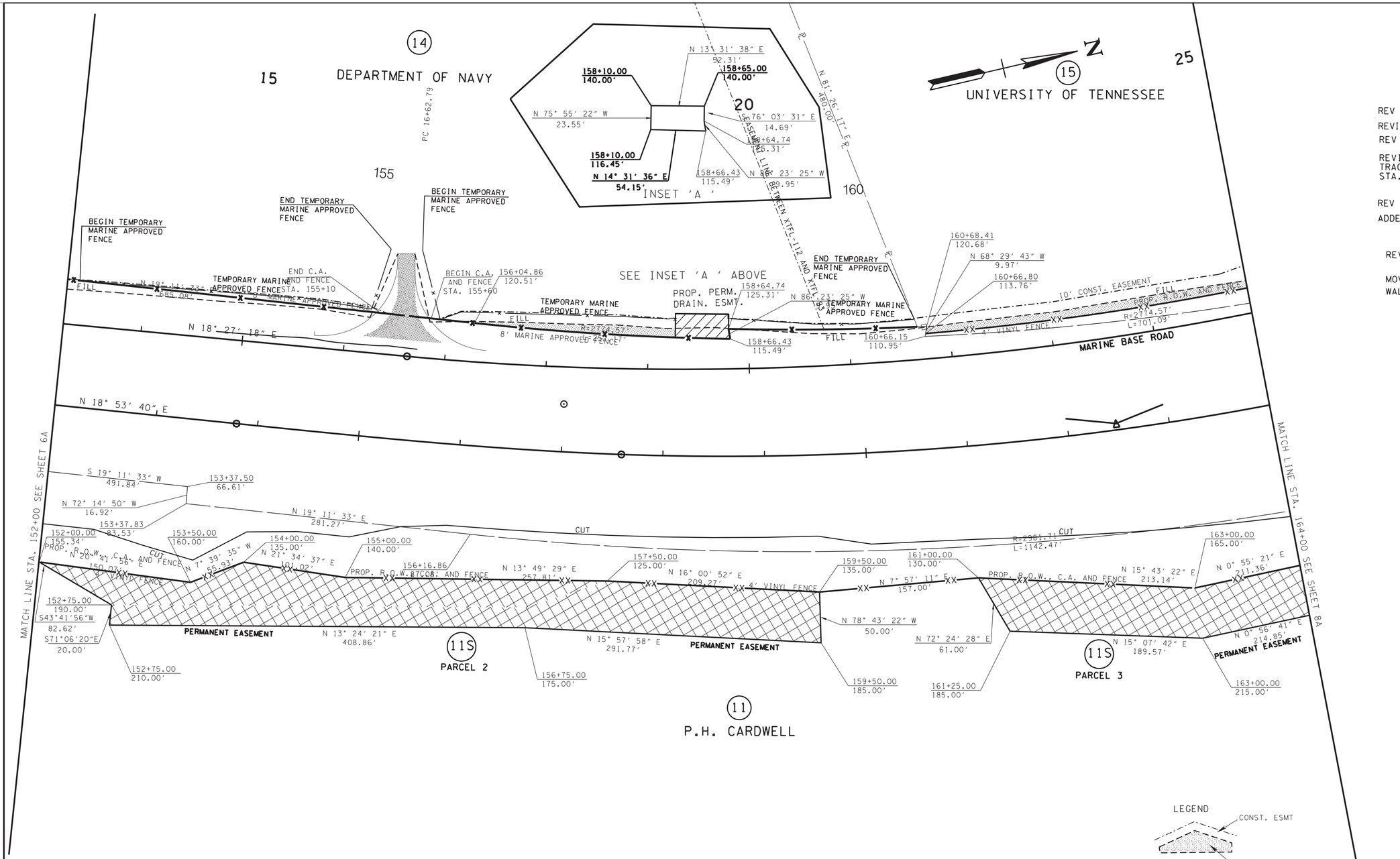
REVISED CONSTRUCTION EASEMENT ON TRACT 15 FROM STA. 163+50 TO STA. 165+50

REV 1-7-22

ADDED TRACT 11S AND PERMANENT EASEMENT.

REV 7-14-25

MOVED PROPOSED FENCE OFF OF WALLS 21 AND 22 TO THE PROPOSED ROW.

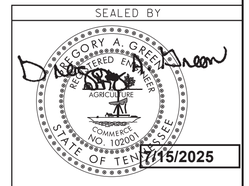


LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY



7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

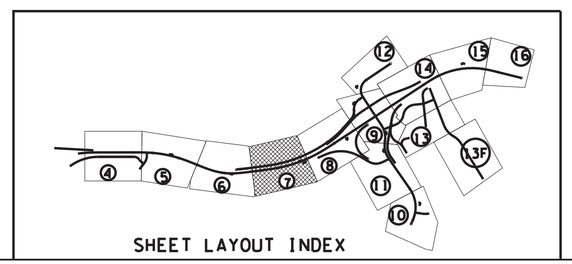
STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 152+00 TO STA. 164+00

SCALE: 1"= 50'



7/15/2025 8:40:27 AM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	7B
CONST.	2023	R-STP/NH-115(29)	7B

REV 8-31-21

REMOVED WALL 4 AND ADDED RETAINING WALL 20, WALL 21 AND WALL 22.

REV 2-17-23

ON CALLOUT AT STA. 157+25 CHANGED TO STA 157+00 AND CHANGE BEGIN CONCRETE WALL TO PARAPET RAIL.

REVISED LABEL ON THE GRAVITY WALL FROM GRAVITY WALL TO SINGLE SLOPE BARRIER WALL.

REV 11-22-23

REVISED LIMITS OF CONCRETE PAVEMENT.

REV 3-29-24

REVISED STATION AND/OR OFFSET FOR STR. NO. 42-46, 50-52 AND 54.

REV 5-20-24

REVISED STR. NOS. 31, 51, 52 AND 54.

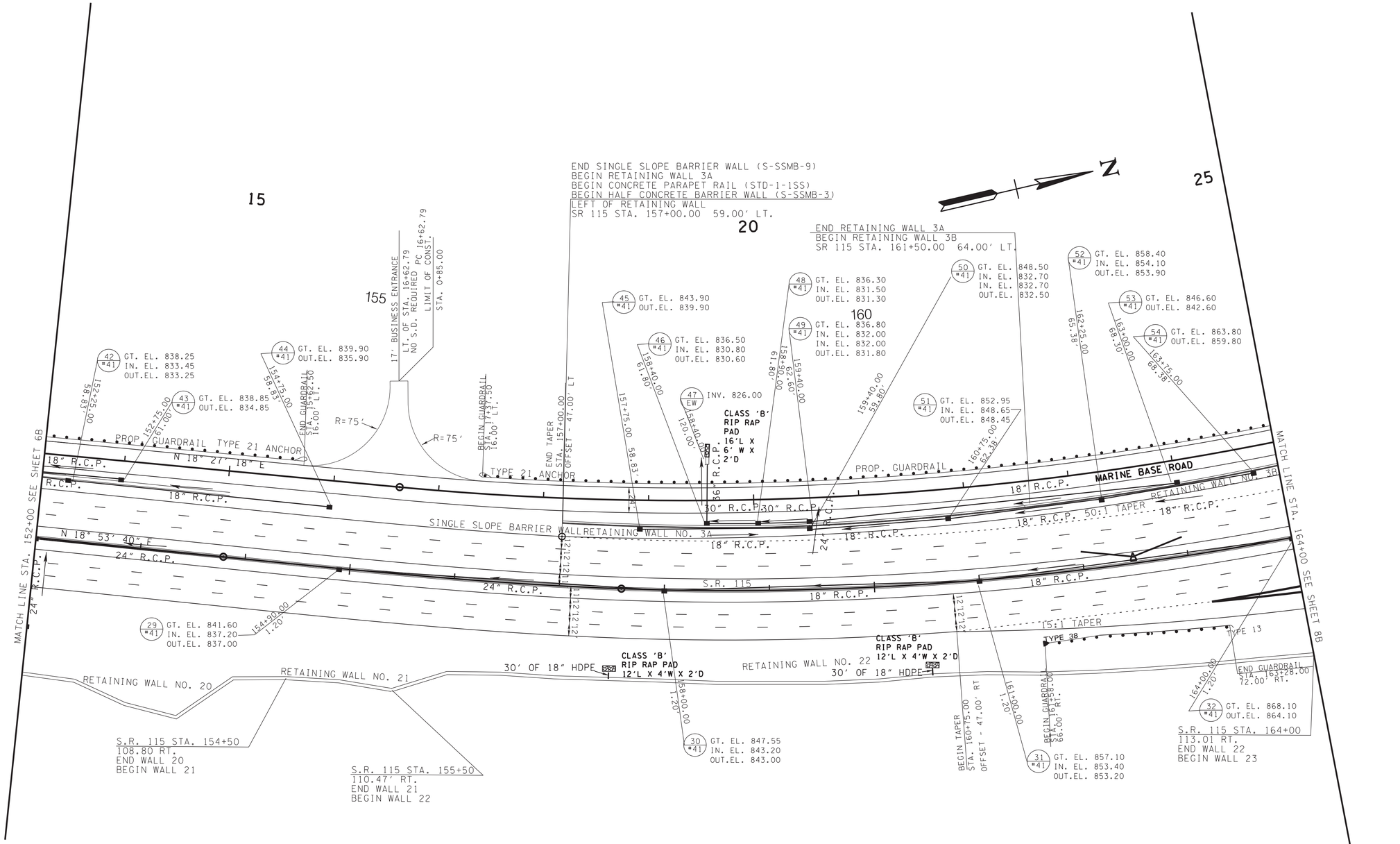
REVISED ELEVATION ON STR. NO. 31.

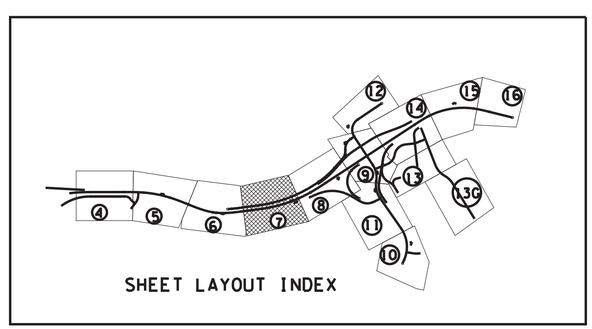
REV 7-17-24

ADDED SLOPE TO DRIANS AND RIP RAP PADS AT STA. 157+50 AND 160+50.

REV 8-14-25

REVISED STR NOS. 48, 49 AND 53.





SEALED BY

GREGORY A. GRAHAM REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 115 STATE OF TENNESSEE

8/14/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 152+00 TO STA. 164+00

SCALE: 1"= 50'

8/14/2025 2:44:08 PM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

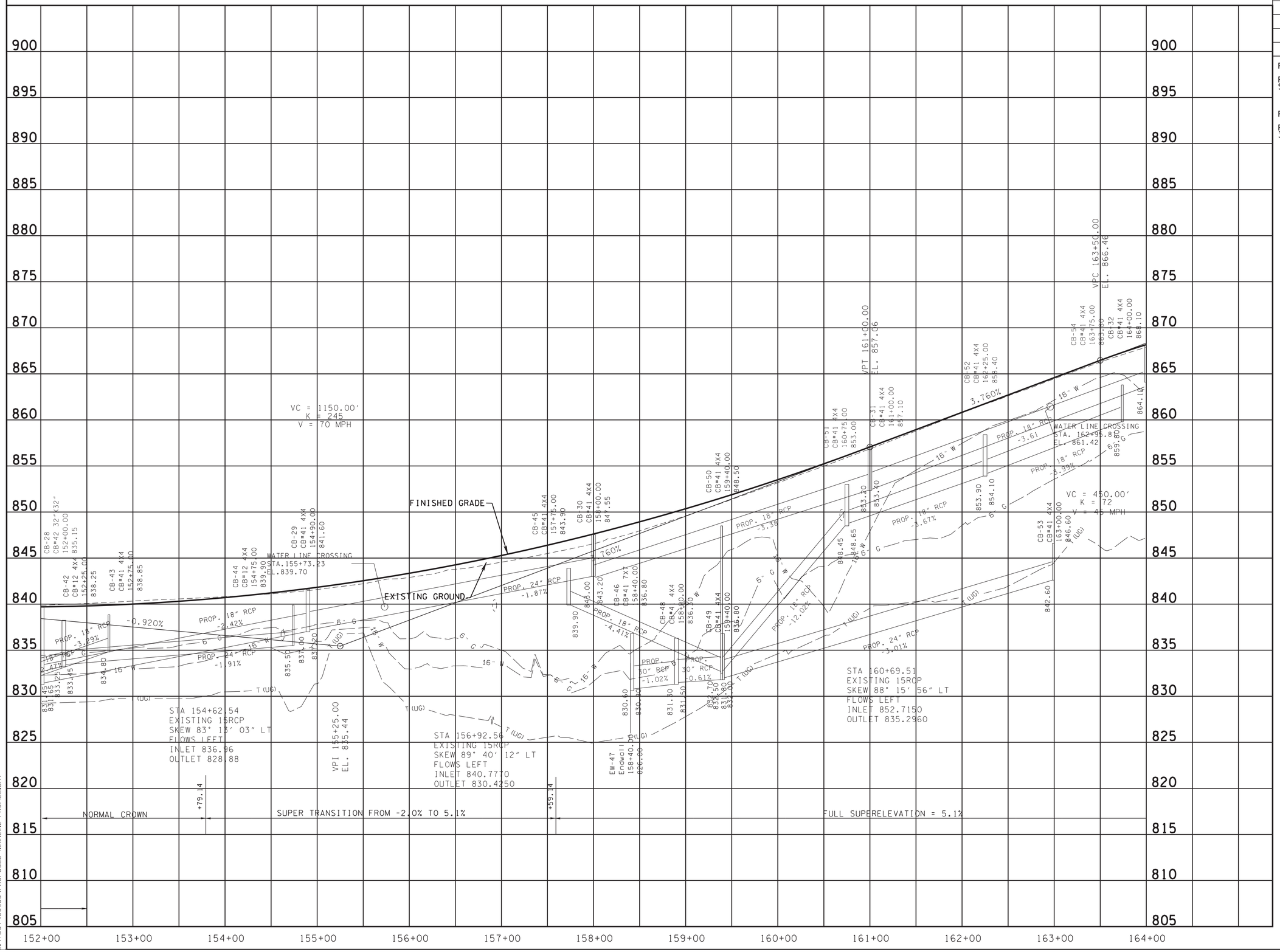
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	7C
CONST.	2023	R-STP/NH-115(29)	7C

REV. 2-9-24

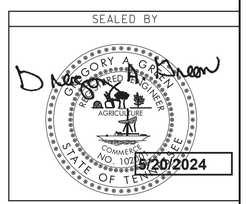
REVISED EXISTING GROUND LINE FROM STA. 138+25 TO STA. 165+00.00.

REV. 5-20-24

REVISED ELEVATION ON STR. NOS. 31, 51, 52 AND 54.



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

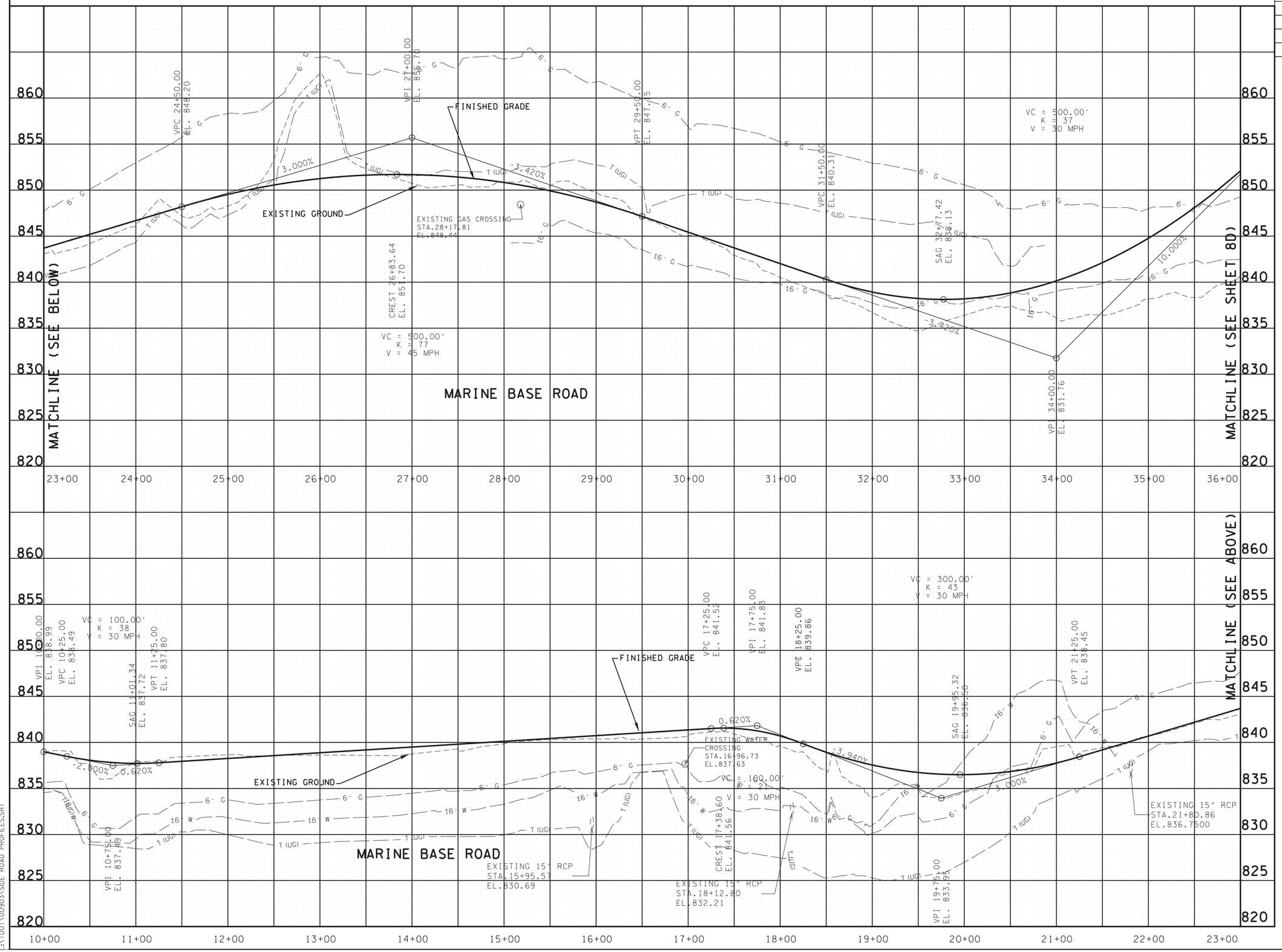
PROFILE

STA. 152+00 TO STA. 164+00

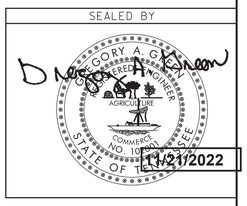
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

5/17/2024 9:40:50 AM
L:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	7D
CONST.	2023	R-STP/NH-115(29)	7D



SEALED BY



MARINE BASE ROAD

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

11/8/2022 2:35:21 PM
L:\TDOT\00903\SIDE ROAD PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	8
CONST.	2023	R-STP/NH-115(29)	8

REV 1-7-20

REVISED CONSTRUCTION EASEMENT ON TRACT 15 FROM STA. 163+50 TO STA. 165+50

REV 1-7-22

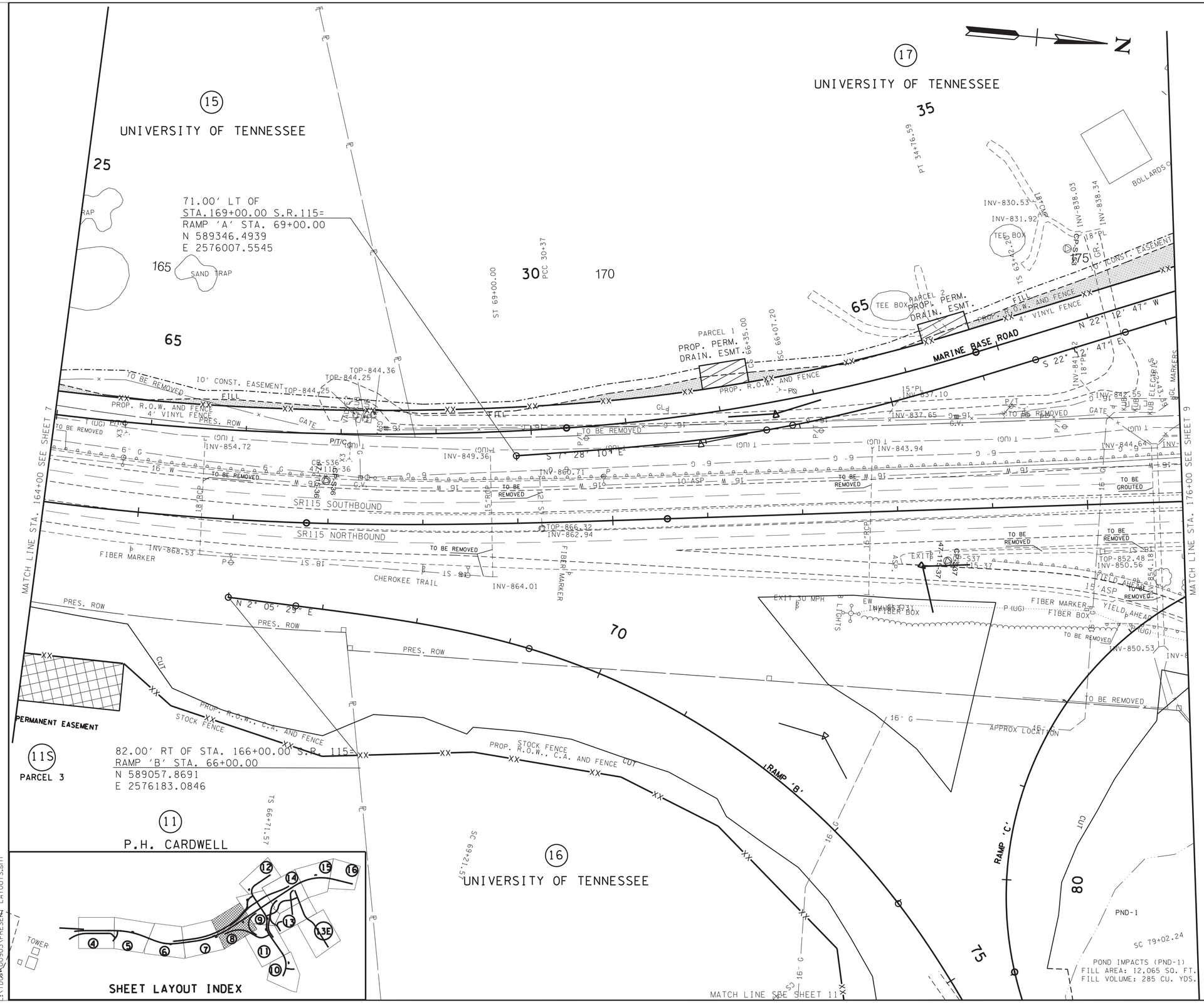
ADDED TRACT 11S AND PERMANENT EASEMENT.

REV 9-11-23

REVISED LOCATION OF EXISTING 16" WATERLINE FROM STA. 161+00 TO STA. 191+00.

REV 7-14-20

MOVED PROPOSED FENCE OFF OF WALL 23 TO THE PROPOSED ROW.



LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY

GREGORY A. GRAHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102...
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 164+00 TO STA. 176+00

SCALE: 1"= 50'

7/15/2025 8:40:29 AM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	8A
CONST.	2023	R-STP/NH-115(29)	8A

REV 1-7-20

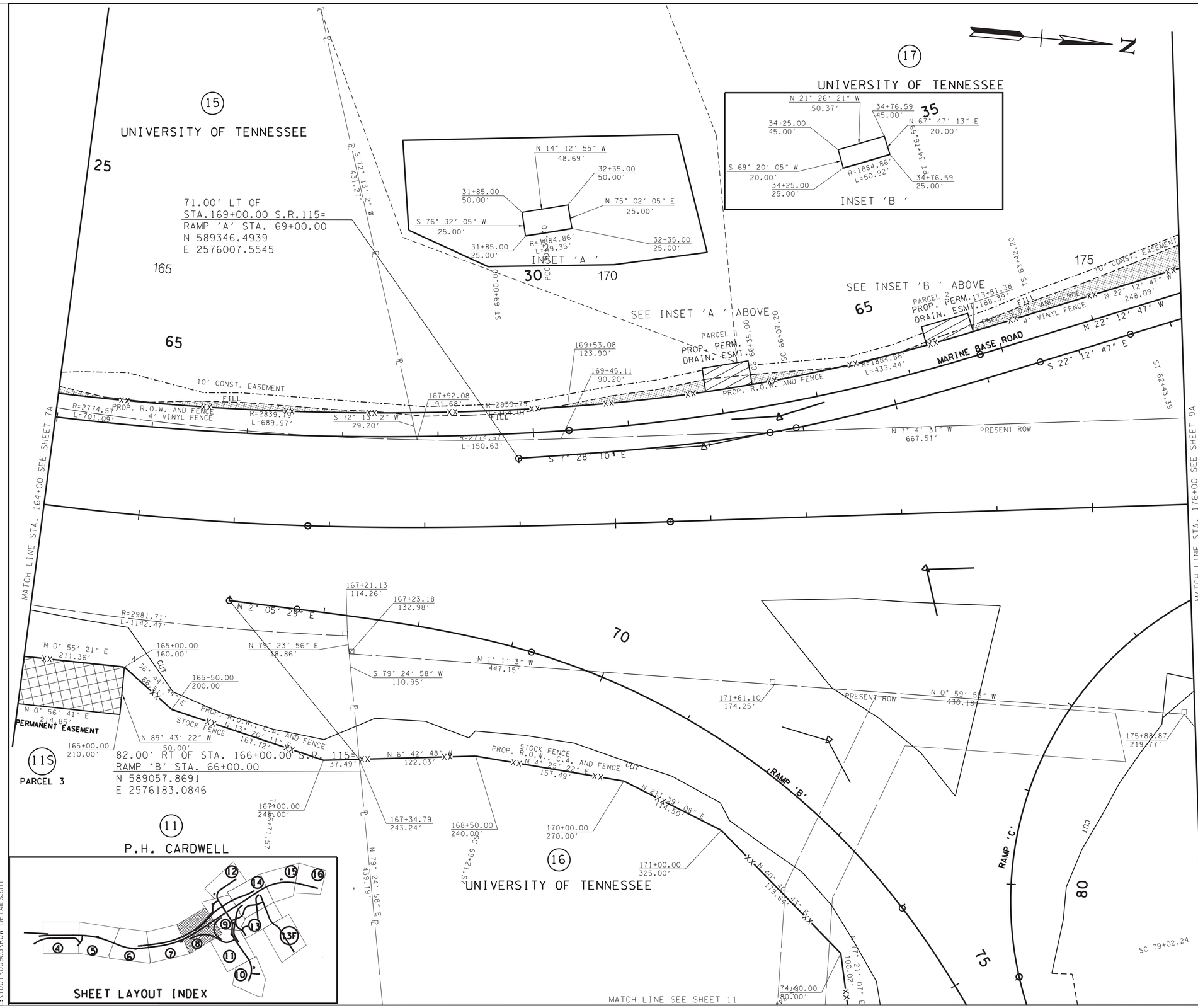
REVISED CONSTRUCTION EASEMENT ON TRACT 15 FROM STA. 163+50 TO STA. 165+50

REV 1-7-22

ADDED TRACT 11S AND PERMANENT EASEMENT.

REV 7-14-25

MOVED PROPOSED FENCE OFF OF WALL 23 TO THE PROPOSED ROW.



LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY

GREGORY A. GRANNON
REGISTERED PROFESSIONAL ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

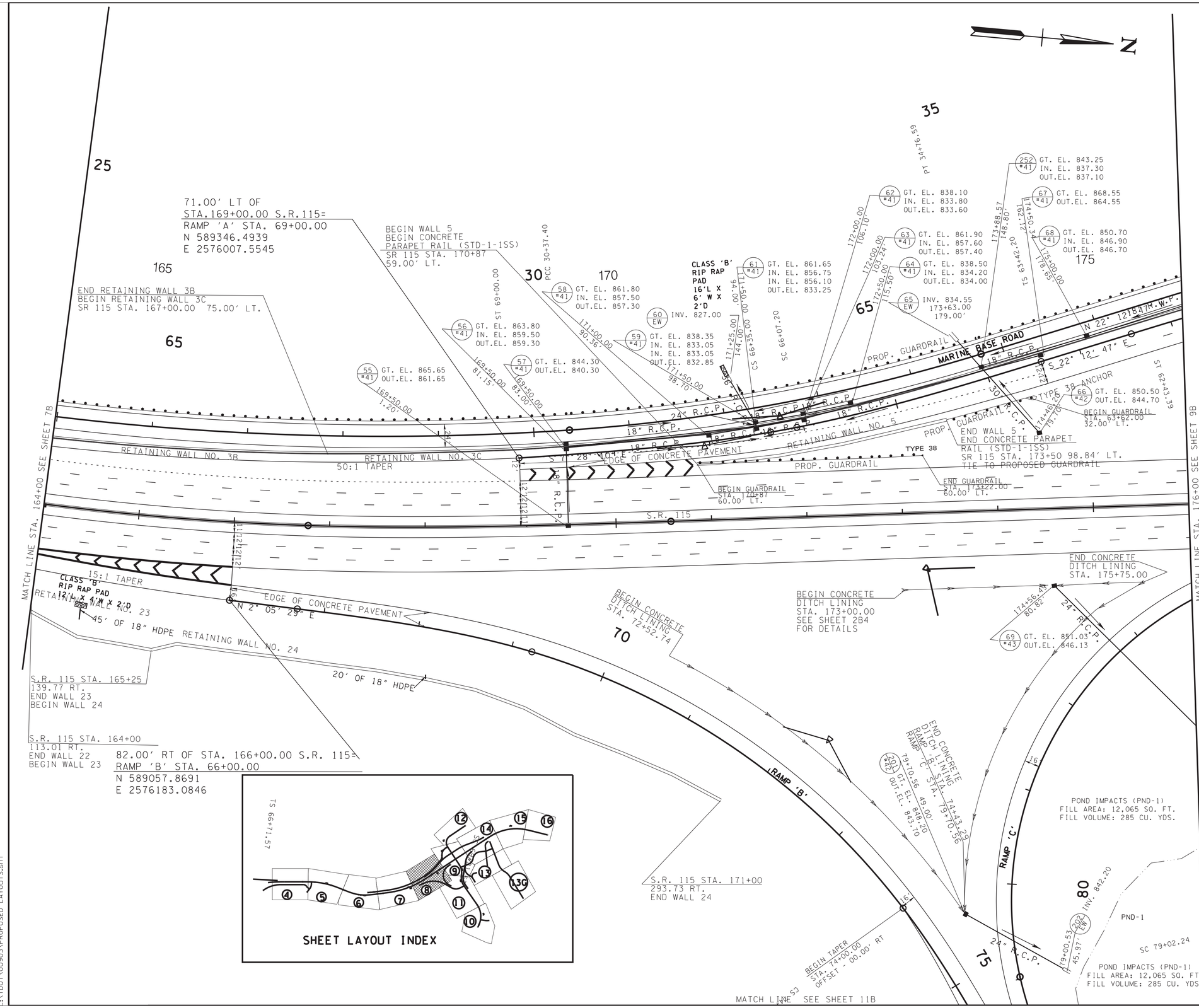
RIGHT-OF-WAY DETAILS

STA. 164+00 TO STA. 176+00

SCALE: 1"= 50'

7/15/2025 8:40:30 AM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	8B
CONST.	2023	R-STP/NH-115(29)	8B



REV 8-31-21

REMOVED WALL 4 AND ADDED RETAINING WALL 23 AND WALL 24.

REV 2-17-23

ON CALLOUT AT STA.170+87, CHANGE END GUARDRAIL TO BEGIN GUARDRAIL.

ON CALLOUT AT STA.173+50, CHANGE END CONCRETE PARAPET RAIL TO BEGIN CONCRETE PARAPET RAIL .

END WALL 3B AND BEGIN WALL 3C OFFSET CHANGED FROM 67.00 FEET TO 75.00 FEET.

REV 11-22-23

REVISED LIMITS OF CONCRETE PAVEMENT.

REV 2-9-24

REVISED PIPE SIZE BETWEEN STR. 65 AND 66.

REV 3-29-24

REVISED INLET ELEVATIONS ON STR. 61.

REVISED STATION AND/OR OFFSET FOR STR. NO. 56, 58, 59, 63, 64 AND 67.

REV 5-20-24

ADDED STR.NO.114 AND PIPE BETWEEN STR.114 AND STA.68.

REV 7-17-24

ADDED SLOPE DRIAN AT STA. 164+50 AND STA.168+00.

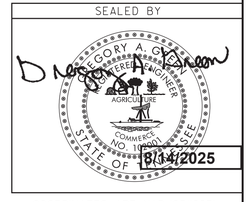
REV 8-14-25

REVISED PIPE SIZE BETWEEN STR NOS.65 AND 66.

REVISED STR NOS.59,62,64 AND 68.

ADDED STR NO.252 AND TIED IT TO STR NO.68.

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

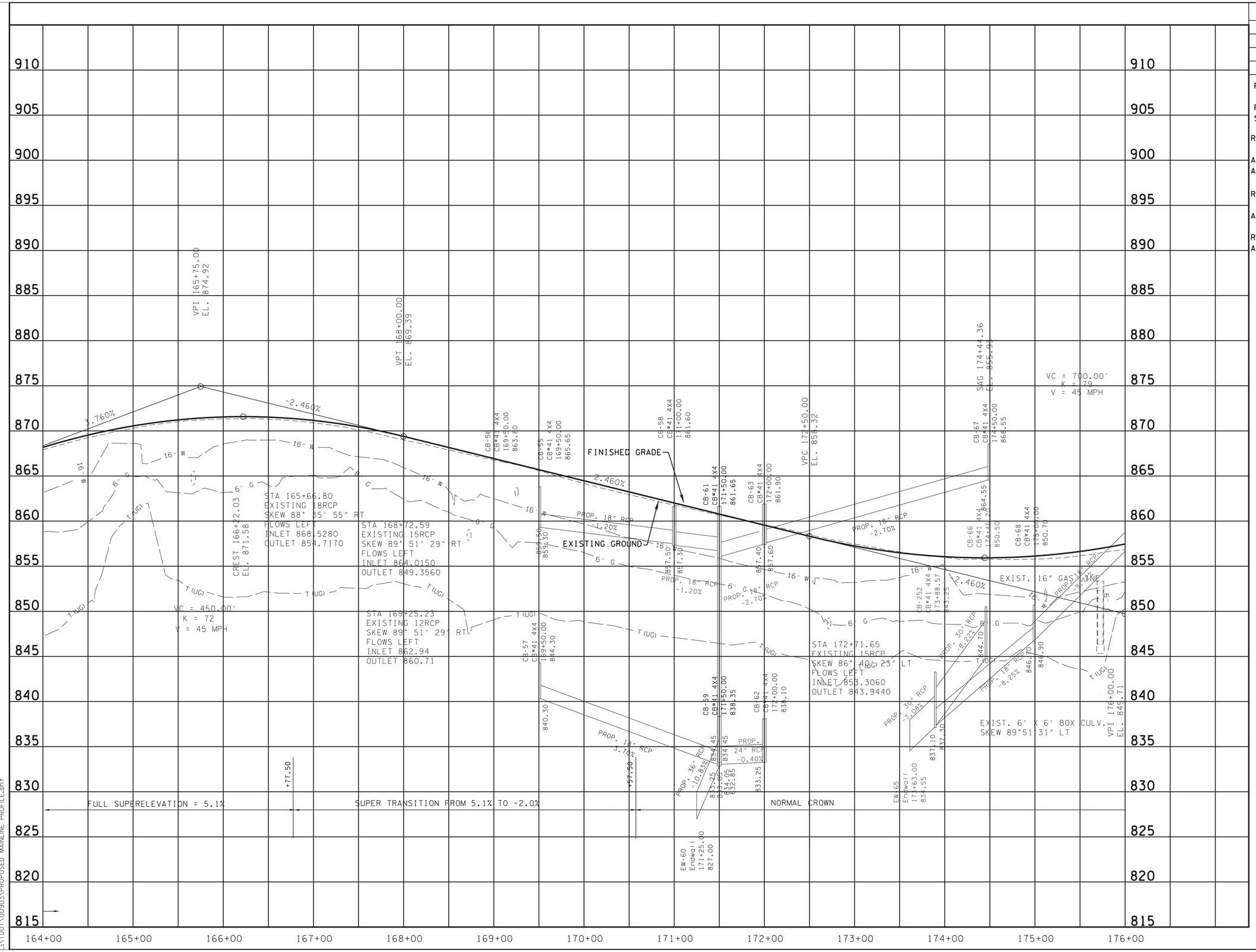
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 164+00 TO STA. 176+00

SCALE: 1"= 50'

8/14/2025 2:44:09 PM
L:\TDOT\00903\PROPOSED LAYOUTS.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	8C
CONST.	2023	R-STP/NH-115(29)	8C

REV. 2-9-24

REVISED EXISTING GROUND LINE FROM STA. 138+25 TO STA. 165+00.00.

REV. 5-20-24

ADDED PIPE BETWEEN STR. NOS. 68 AND 114.

REV. 8-14-25

ADDED STR. NOS. 65, 66 AND 252.

REMOVED PIPE BETWEEN STR. NOS. 68 AND 62.

SEALED BY

GREGORY A. GRANN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107
STATE OF TENNESSEE

8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

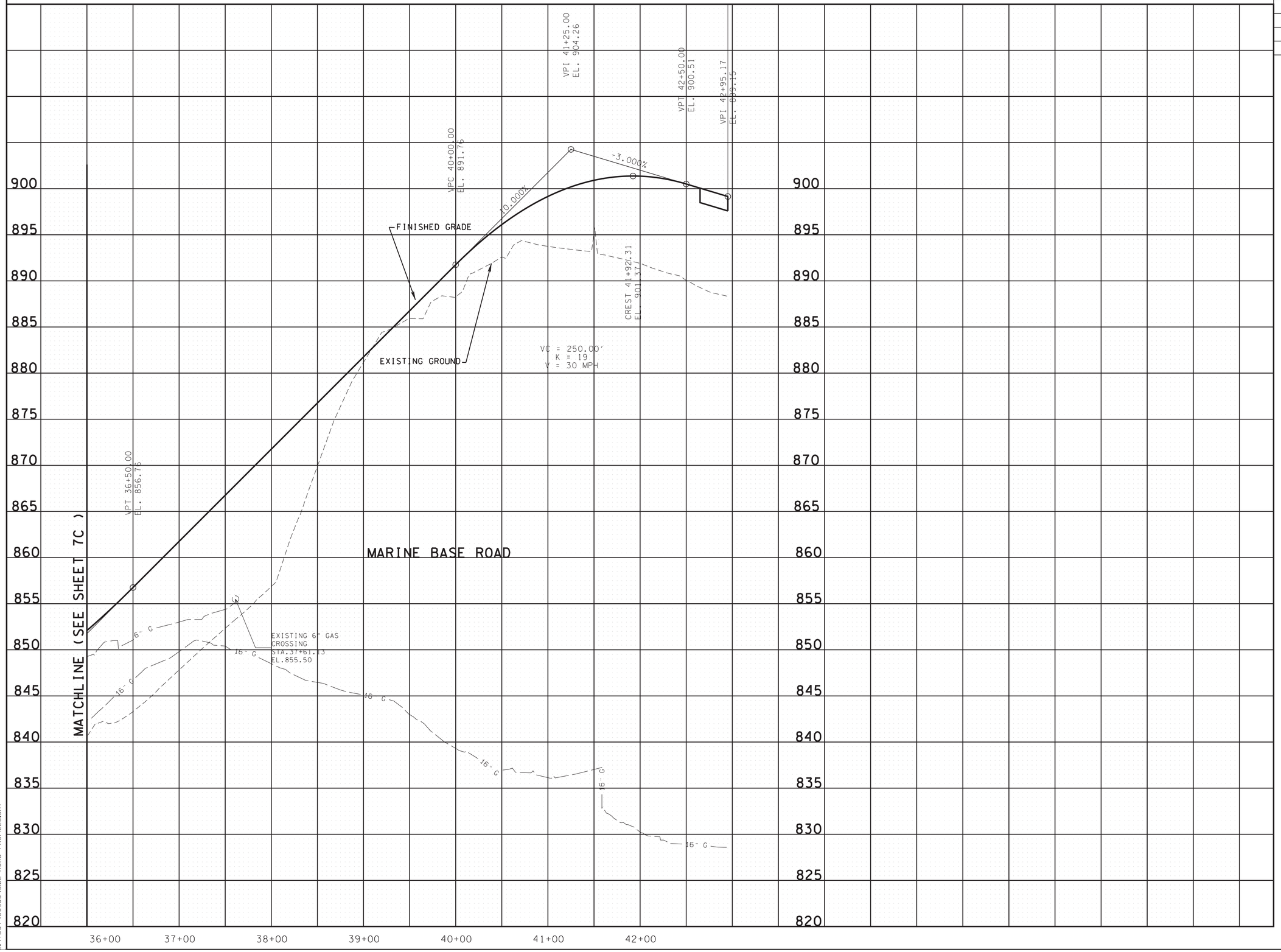
PROFILE

STA. 164+00 TO STA. 176+00

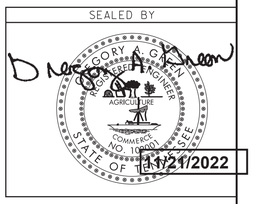
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

8/14/2025 2:44:10 PM
L:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	8D
CONST.	2023	R-STP/NH-115(29)	8D



SEALED BY



MARINE BASE ROAD

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

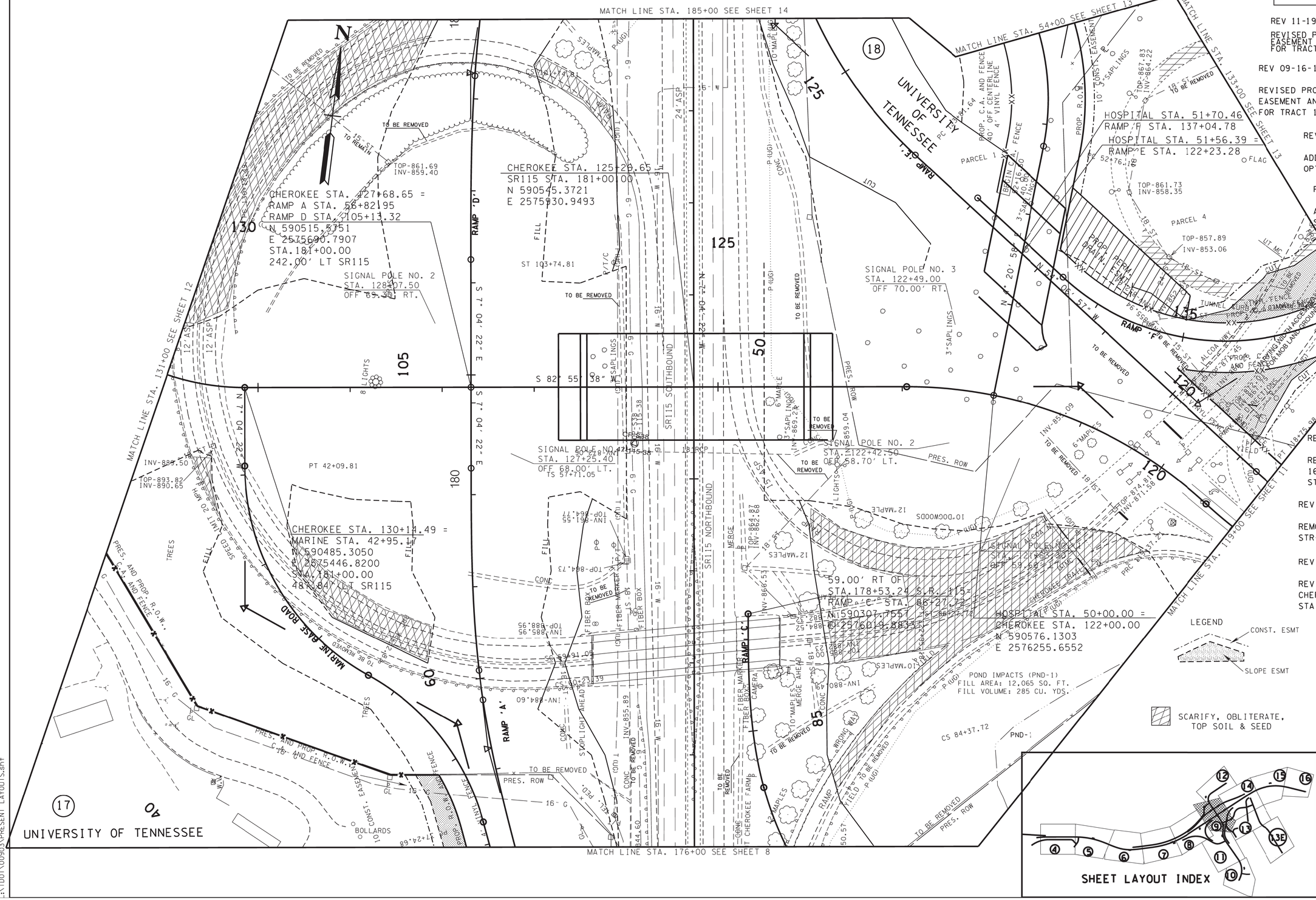
PROFILE OF SIDE ROADS AND STREETS

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

11/18/2022 2:35:29 PM
L:\TDOT\00903\SIDE ROAD PROFILES.SHT

DUE TO A HISTORY OF KARST ACTIVITY IN THE AREA, THE CONTRACTOR SHOULD EXPECT TO ENCOUNTER EXCAVATED MATERIAL THAT WILL NOT BE SUITABLE FOR PLACEMENT IN EMBANKMENTS AT OTHER LOCATIONS AND WILL NEED TO BE WASTED OFF SITE. THE COST OF THIS IS TO BE INCLUDED IN THE COST OF OTHER ITEMS AND WILL NOT BE PAID FOR DIRECTLY.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	9
CONST.	2023	R-STP/NH-115(29)	9



REV 11-19-18

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 09-16-19

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 12-07-20

ADDED UNDERGROUND FIBER OPTIC LINE TO PLANS

REV 2-17-23

ADDED MATCHLINE STA. 133+00 SEE SHEET 13.

REV 9-11-23

REVISED LOCATION OF EXISTING 16" WATERLINE FROM STA. 161+00 TO STA. 191+00.

REV 11-22-23

REMOVED EXISTING PIPE BETWEEN STR-203 AND 156.

REV 3-29-24

REVISED SLOPE LIMITS LEFT OF CHEROKEE TRAIL FROM STA. 122+50 TO STA. 124+00.

SEALED BY

GREGORY A. GARDNER
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 109
STATE OF TENNESSEE

3/27/2024

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 176+00 TO STA. 185+00

SCALE: 1"= 50'

3/27/2024 9:35:36 AM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	9A
CONST.	2023	R-STP/NH-115(29)	9A

REV 11-19-18

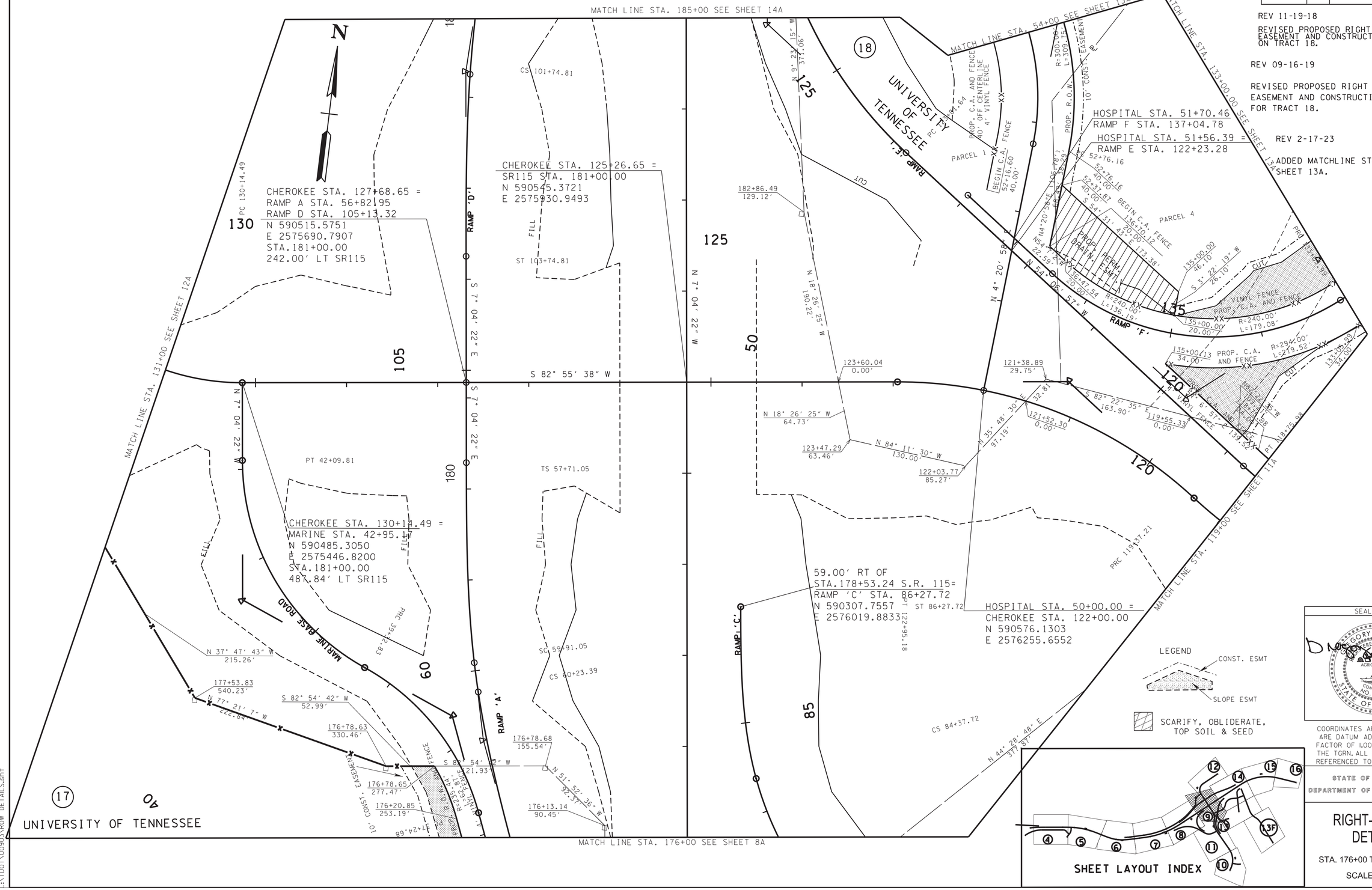
REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT ON TRACT 18.

REV 09-16-19

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 2-17-23

ADDED MATCHLINE STA. 133+00 SEE SHEET 13A.



SEALED BY

GREGORY A. GRAY
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102 03
STATE OF TENNESSEE

2/16/2023

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

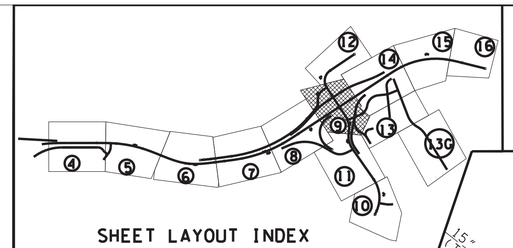
RIGHT-OF-WAY DETAILS

STA. 176+00 TO STA. 185+00

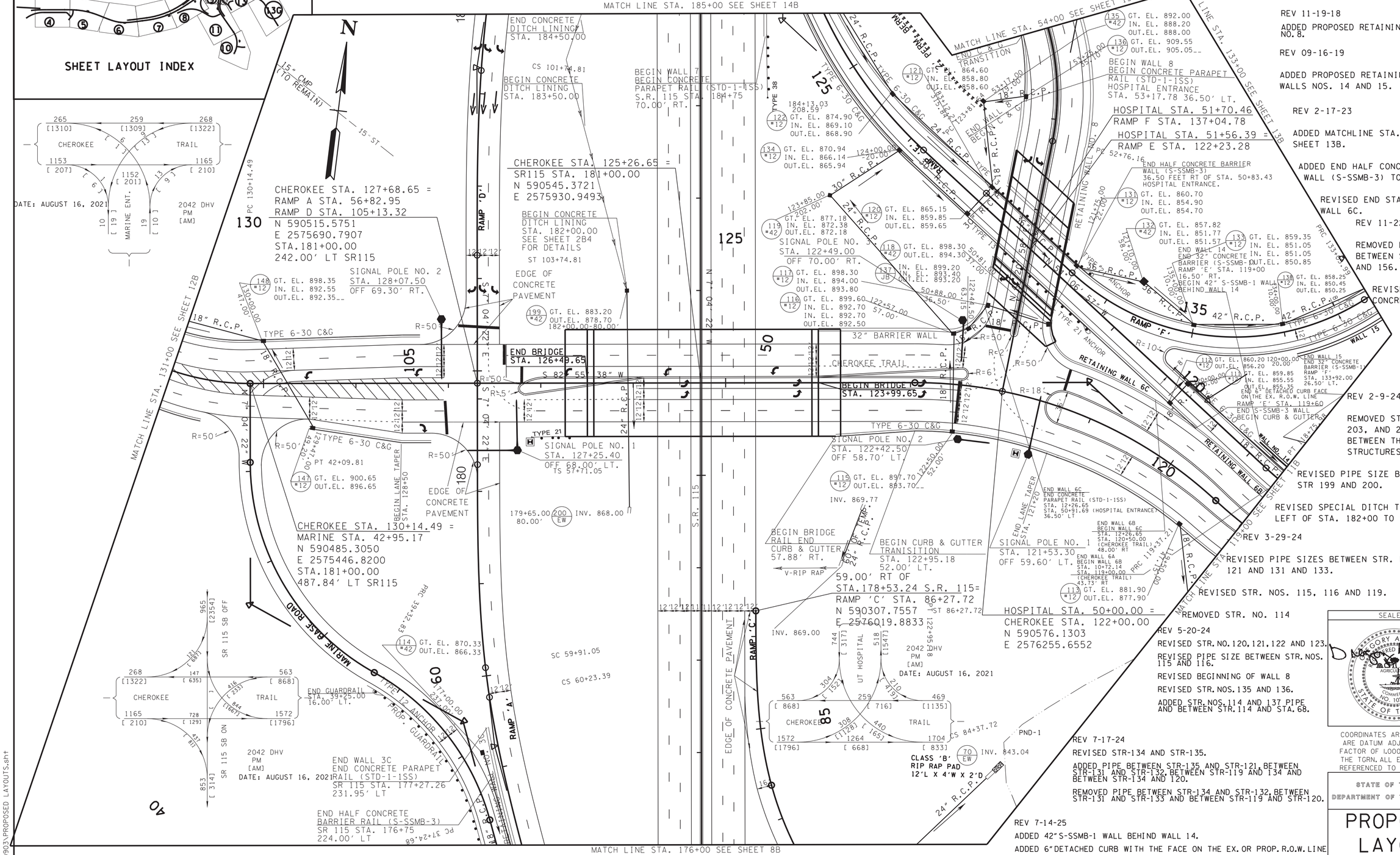
SCALE: 1"= 50'

2/16/2023 2:09:13 PM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	9B
CONST.	2023	R-STP/NH-115(29)	9B



DATE: AUGUST 16, 2021



REV 11-19-18

ADDED PROPOSED RETAINING WALL NO. 8.

REV 09-16-19

ADDED PROPOSED RETAINING WALLS NOS. 14 AND 15.

REV 2-17-23

ADDED MATCHLINE STA. 133+00 SEE SHEET 13B.

ADDED END HALF CONCRETE BARRIER WALL (S-SSMB-3) TO WALL 6C.

REVISED END STATION ON WALL 6C.

REV 11-22-23

REMOVED EXISTING PIPE BETWEEN STR-203 AND 156.

REVISED LIMITS OF CONCRETE PAVEMENT.

REV 2-9-24

REMOVED STR NO.'S 137, 203, AND 204 AND PIPES BETWEEN THIS SAME STRUCTURES.

REVISED PIPE SIZE BETWEEN STR 199 AND 200.

REVISED SPECIAL DITCH TO THE LEFT OF STA. 182+00 TO STA. 185+00.

REV 3-29-24

REVISED PIPE SIZES BETWEEN STR. NO. 120 AND 121 AND 131 AND 133.

REVISED STR. NOS. 115, 116 AND 119.

REMOVED STR. NO. 114

REV 5-20-24

REVISED STR. NO. 120, 121, 122 AND 123.

REVISED PIPE SIZE BETWEEN STR. NOS. 115 AND 116.

REVISED BEGINNING OF WALL 8

REVISED STR. NOS. 135 AND 136.

ADDED STR. NOS. 114 AND 137 PIPE AND BETWEEN STR. 114 AND STA. 68.

REV 7-17-24

REVISED STR-134 AND STR-135.

ADDED PIPE BETWEEN STR-135 AND STR-121, BETWEEN STR-131 AND STR-132, BETWEEN STR-119 AND 134 AND BETWEEN STR-134 AND 120.

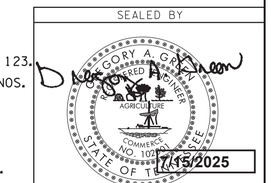
REMOVED PIPE BETWEEN STR-134 AND STR-132, BETWEEN STR-131 AND STR-133 AND BETWEEN STR-119 AND STR-120.

REV 7-14-25

ADDED 42"S-SSMB-1 WALL BEHIND WALL 14.

ADDED 6"DETACHED CURB WITH THE FACE ON THE EX. OR PROP. R.O.W. LINE

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 176+00 TO STA. 185+00

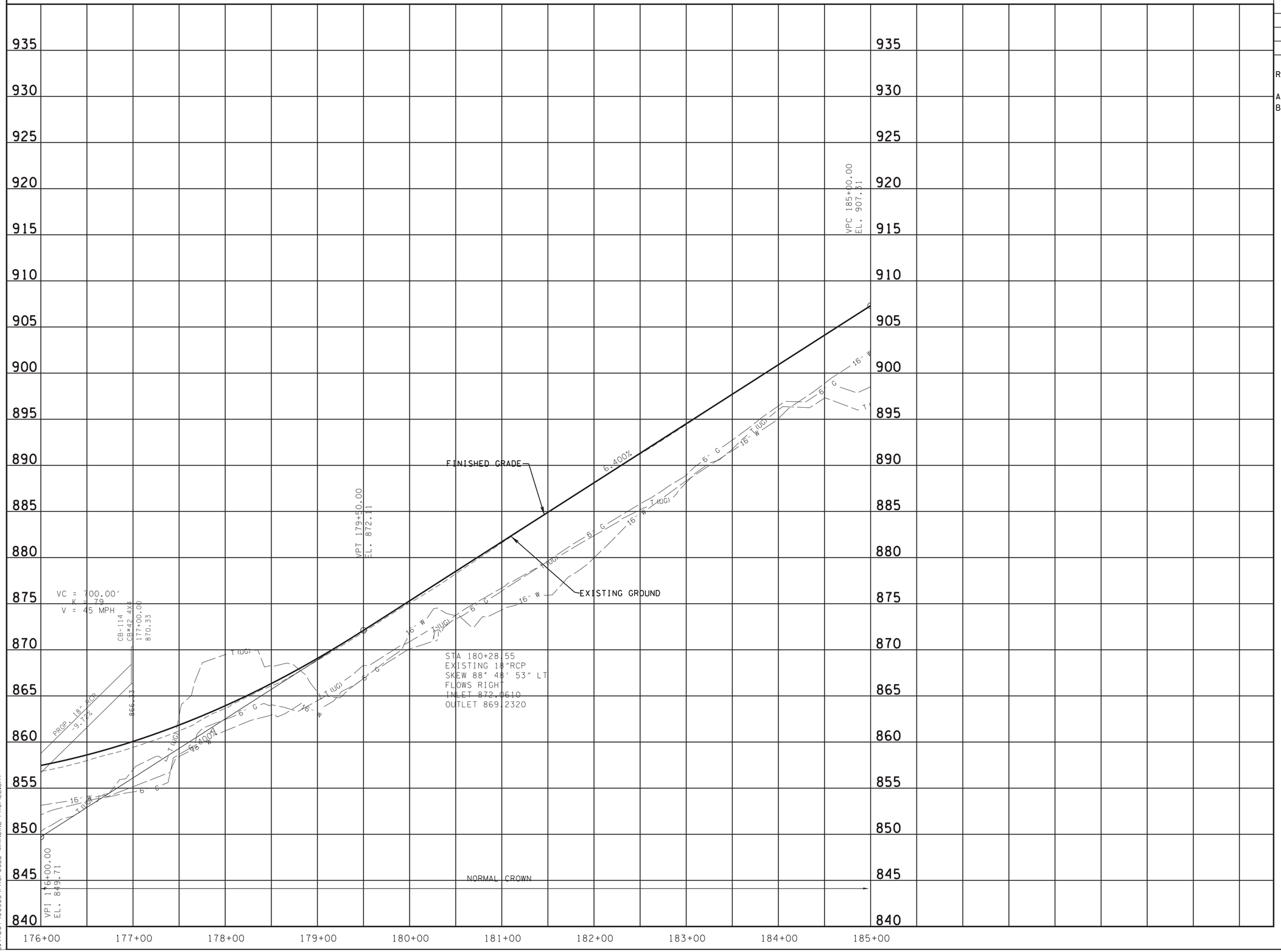
SCALE: 1"= 50'

7/15/2025 8:40:31 AM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

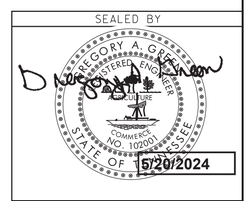
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	9C
CONST.	2023	R-STP/NH-115(29)	9C

REV. 5-20-24

ADDED STR. NO. 114 AND PIPE BETWEEN STR. NOS. 68 AND 114.



SEALED BY



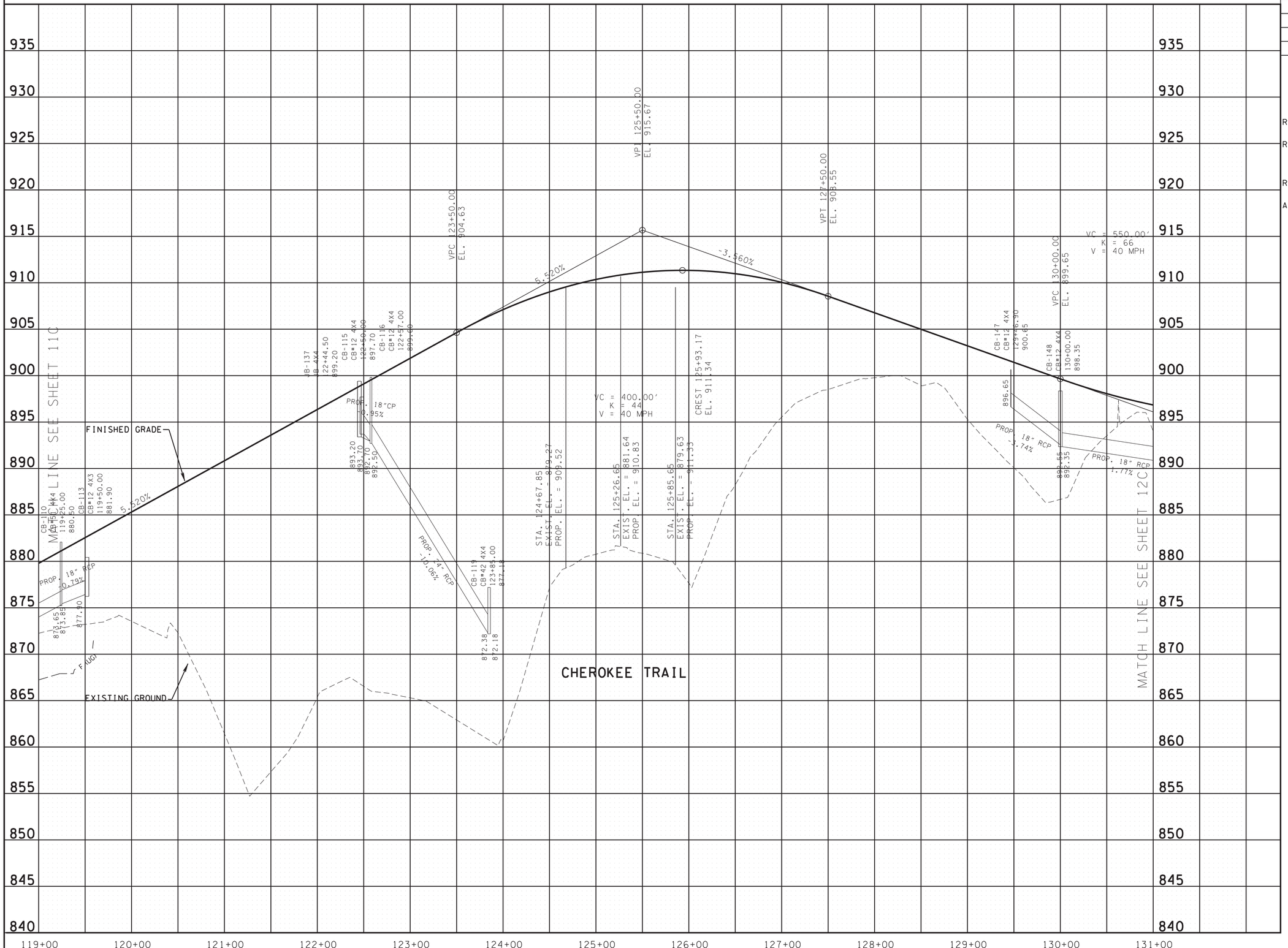
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 176+00 TO STA. 185+00

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

5/17/2024 9:40:54 AM
L:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	9D
CONST.	2023	R-STP/NH-115(29)	9D

REV 12-07-20
ADDED UNDERGROUND FIBER
OPTIC LINE TO PLANS

REV 3-29-24

REVISED STR. NOS. 115, 116 AND 119

REV 5-20-24

ADDED STR. NO. 137.

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

5/20/2024

CHEROKEE TRAIL

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

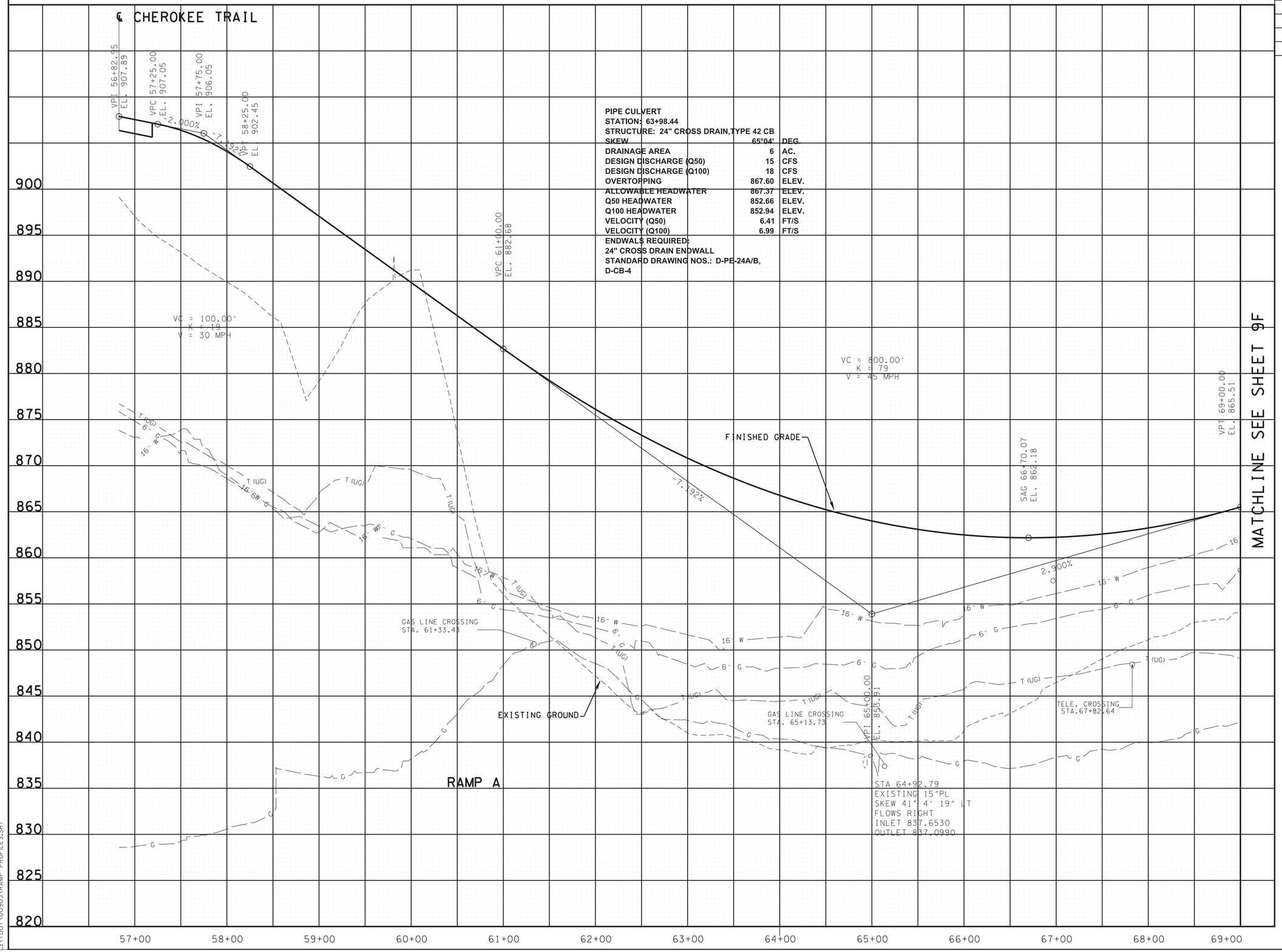
CHEROKEE TRAIL

STA. 119+00 TO STA. 131+00

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

5/17/2024 9:40:55 AM
L:\TDOT\00903\CHEROKEE TRAIL PROFILE.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	9E
CONST.	2023	R-STP/NH-115(29)	9E

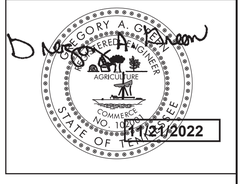


PIPE CULVERT
STATION: 63+98.44
STRUCTURE: 24" CROSS DRAIN,TYPE 42 CB

SKEW	65°04'	DEG.
DRAINAGE AREA	6	AC.
DESIGN DISCHARGE (Q50)	15	CFS
DESIGN DISCHARGE (Q100)	18	CFS
OVERTOPPING	867.60	ELEV.
ALLOWABLE HEADWATER	867.37	ELEV.
Q50 HEADWATER	852.66	ELEV.
Q100 HEADWATER	852.94	ELEV.
VELOCITY (Q50)	6.41	FT/S
VELOCITY (Q100)	6.99	FT/S

ENDWALS REQUIRED:
24" CROSS DRAIN ENDWALL
STANDARD DRAWING NOS.: D-PE-24A/B, D-CB-4

SEALED BY



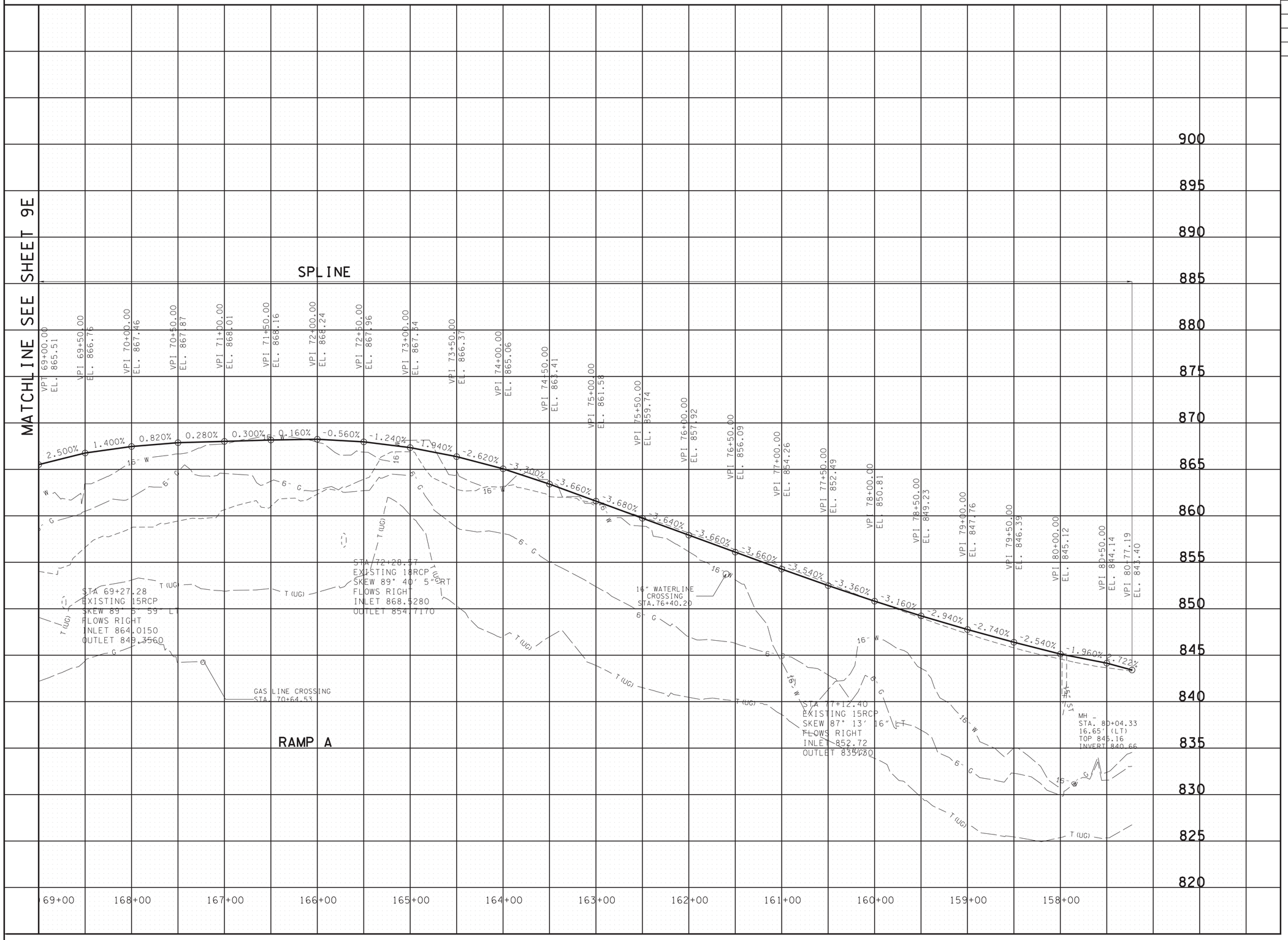
11/21/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILES RAMP 'A'

11/18/2022 2:35:38 PM
L:\TDOT\00903\RAMP PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	9F
CONST.	2023	R-STP/NH-115(29)	9F



SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 107
STATE OF TENNESSEE

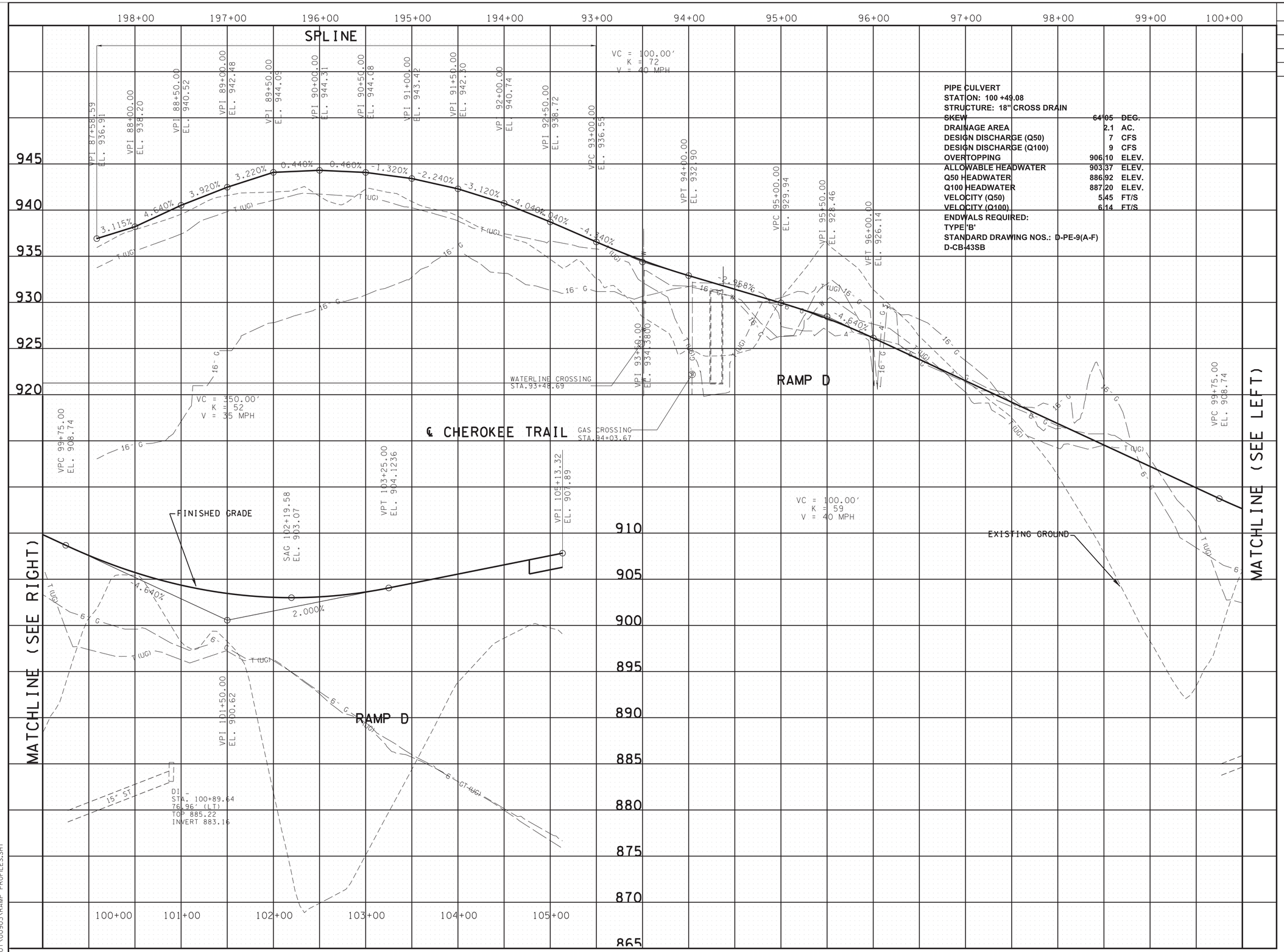
11/21/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILES RAMP 'A'

11/18/2022 2:35:38 PM
L:\TDOT\00903\RAMP PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	9G
CONST.	2023	R-STP/NH-115(29)	9G



PIPE CULVERT
STATION: 100 +49.08
STRUCTURE: 18" CROSS DRAIN

SKEW	64°05	DEG.
DRAINAGE AREA	2.1	AC.
DESIGN DISCHARGE (Q50)	7	CFS
DESIGN DISCHARGE (Q100)	9	CFS
OVERTOPPING	906.10	ELEV.
ALLOWABLE HEADWATER	903.37	ELEV.
Q50 HEADWATER	886.92	ELEV.
Q100 HEADWATER	887.20	ELEV.
VELOCITY (Q50)	5.45	FT/S
VELOCITY (Q100)	6.14	FT/S

ENDWALS REQUIRED:
TYPE 'B'
STANDARD DRAWING NOS.: D-PE-9(A-F)
D-CB-43SB

SEALED BY

GREGORY A. GRESSLE
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

11/12/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILES RAMP 'D'

11/18/2022 2:35:39 PM
:\TDOT\00903\RAMP PROFILES.SHT

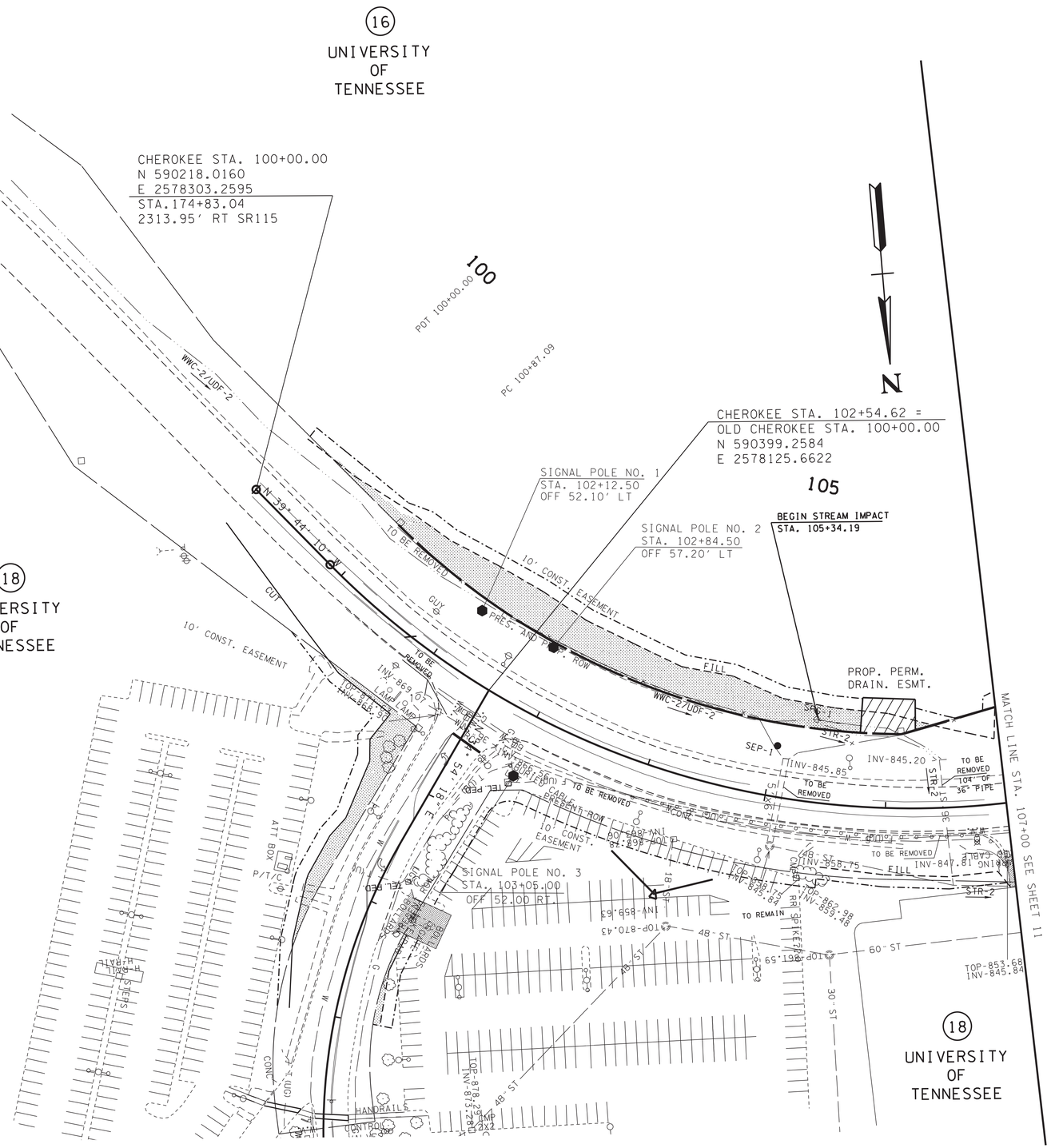
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	10
CONST.	2023	R-STP/NH-115(29)	10

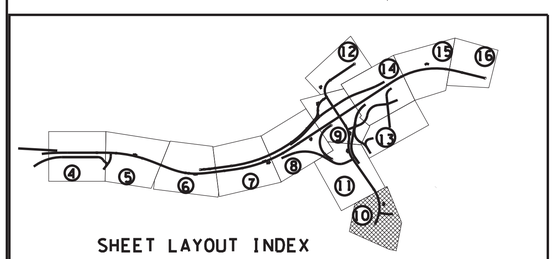
REV 09-16-19
REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 12-07-20
ADDED UNDERGROUND FIBER OPTIC LINE TO PLANS

REV 3-29-24

REVISED LOCATION OF SIGNAL POLE 3.





SEALED BY

GREGORY A. GRAY
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102[illegible]
STATE OF TENNESSEE

3/27/2024

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

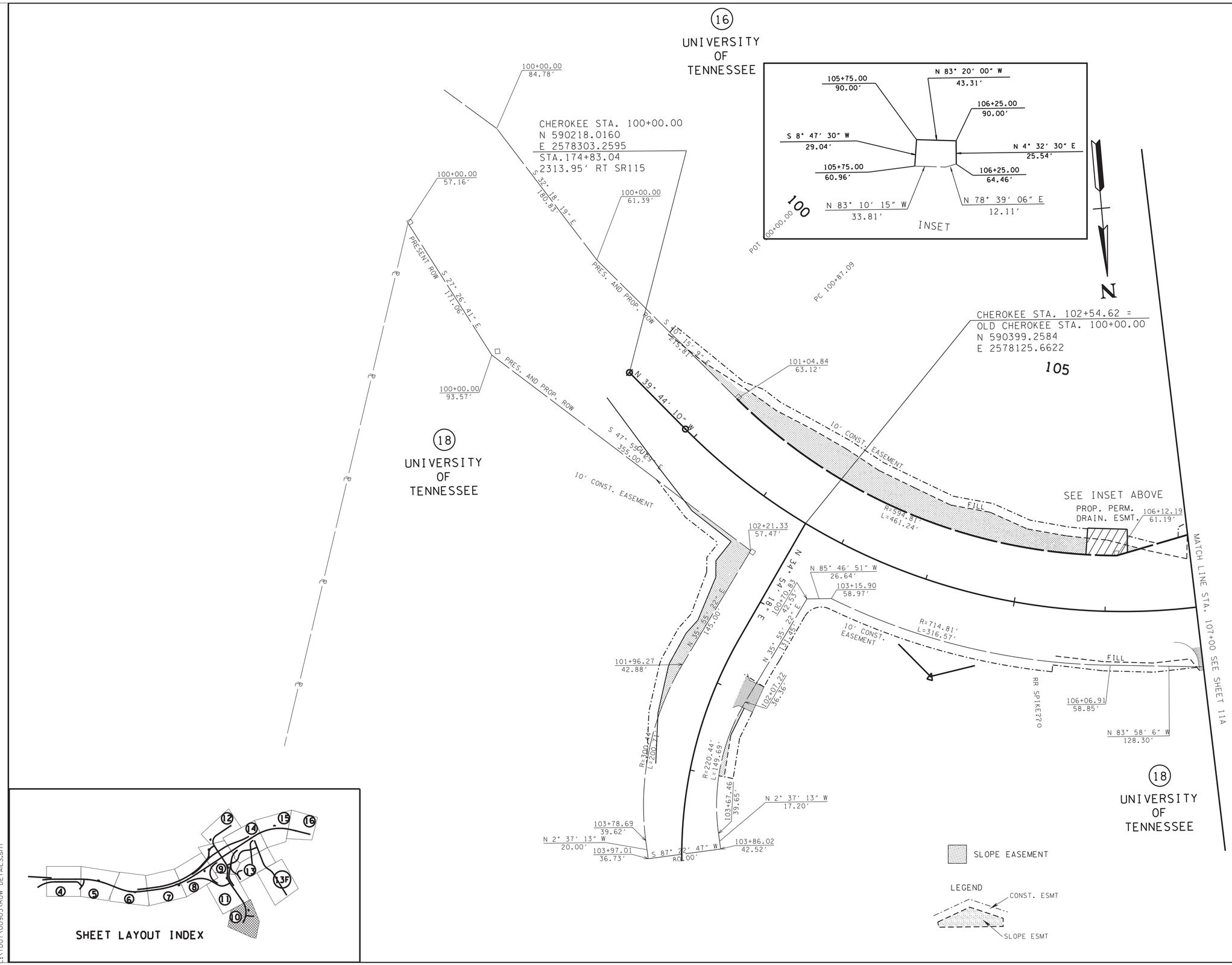
STA. 100+00 TO STA. 107+00
CHEROKEE TRAIL

SCALE: 1"= 50'

3/26/2024 2:32:51PM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	10A
CONST.	2023	R-STP/NH-115(29)	10A

REV 09-16-19
REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.



SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102
STATE OF TENNESSEE

11/21/2022

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 100+00 TO STA. 107+00
CHEROKEE TRAIL
SCALE: 1"= 50'

11/18/2022 2:35:43 PM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	10B
CONST.	2023	R-STP/NH-115(29)	10B

NOTE:
BEFORE INSTALLATION OF THE SPRING BOX, THE HEAD SHOULD BE FIELD VERIFIED. IF THE SPRING FLOWS FROM UNDERNEATH THE PROPOSED ROADWAY, FLOW FROM THE SPRING AREA SHOULD BE CONVEYED/DIRECTED INTO THE PROPOSED 18" PIPE.

REV 09-16-19

ADDED PROPOSED RETAINING WALL NO. 13

REV 2-17-23

CHANGED OFFSET FOR END WALL 13 TO 52.50 FEET.

REV 4-12-23

ADDED BUSINESS DRIVE RIGHT OF STA. 101+97.17 OF OLD CHEROKEE TRAIL.

REV 3-29-24

REVISED LOCATION OF SIGNAL POLE 3.

ADDED 42" S-SSMB-1 WALL BEHIND WALL 13.

ADDED STR. NOs. 146 AND 193.

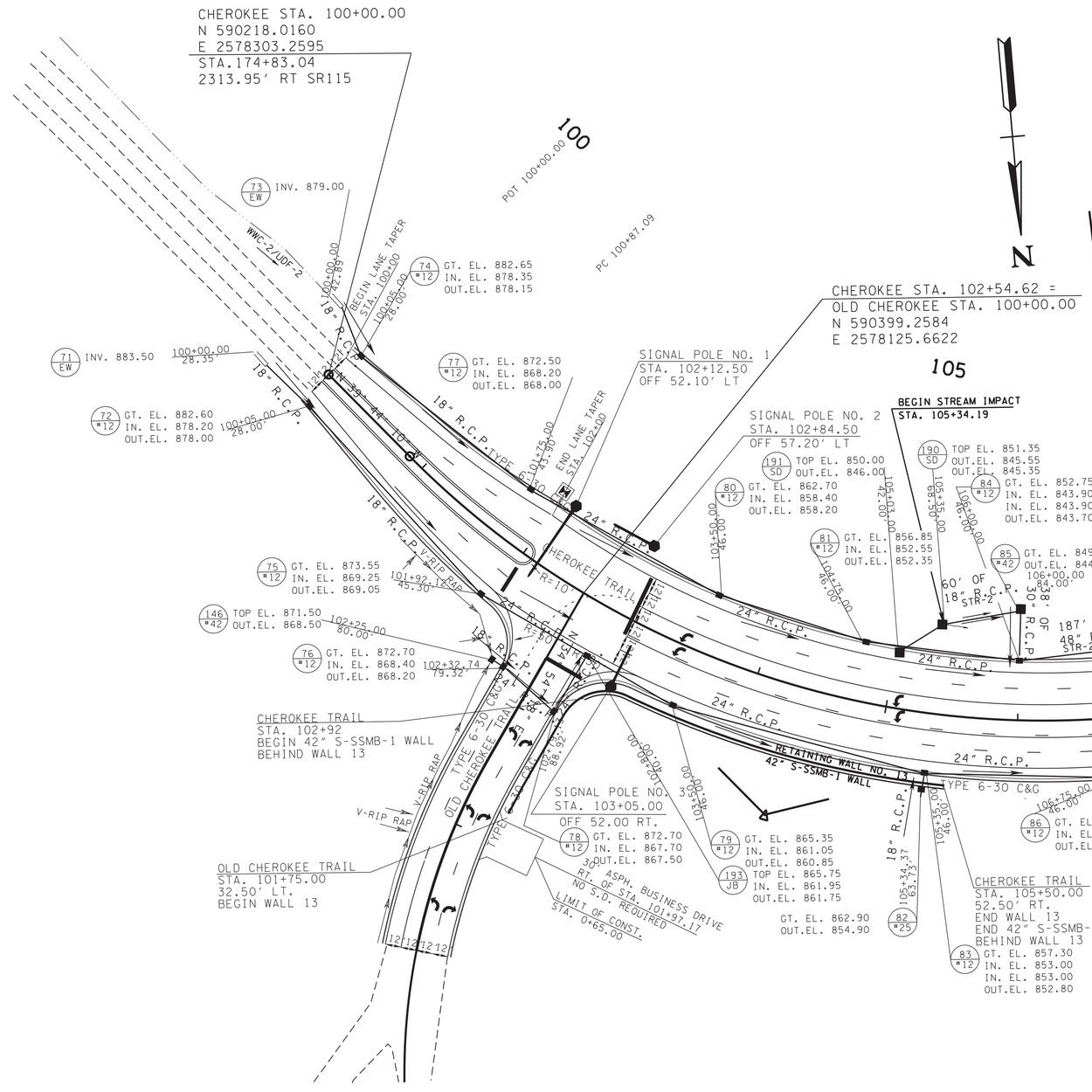
ELIMINATED PIPE BETWEEN STR. NO. 75 AND 76 AND BETWEEN 78 AND 79.

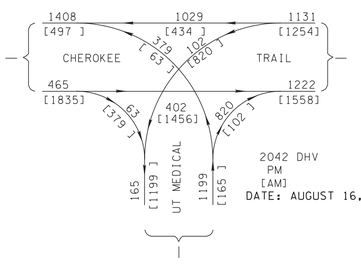
ADDED PIPE BETWEEN STR. NO. 78 AND 193, BETWEEN 193 AND 79 AND BETWEEN 146 AND 76.

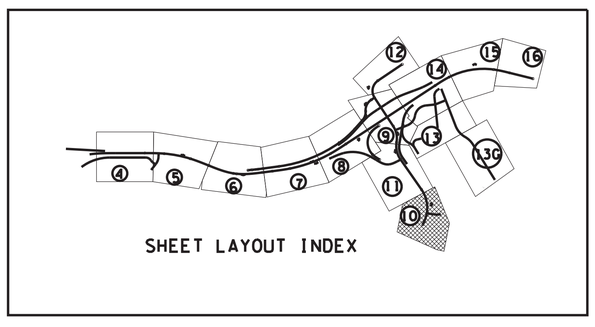
ADDED RIP RAP DITCH ALONG CHEROKEE TRAIL AND OLD CHEROKEE TRAIL.

REV 5-20-24

REVISED ELEVATION ON STR. NOS. 84 AND 85.







SEALED BY

GREGORY A. GRANNEMAN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

5/20/2024

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

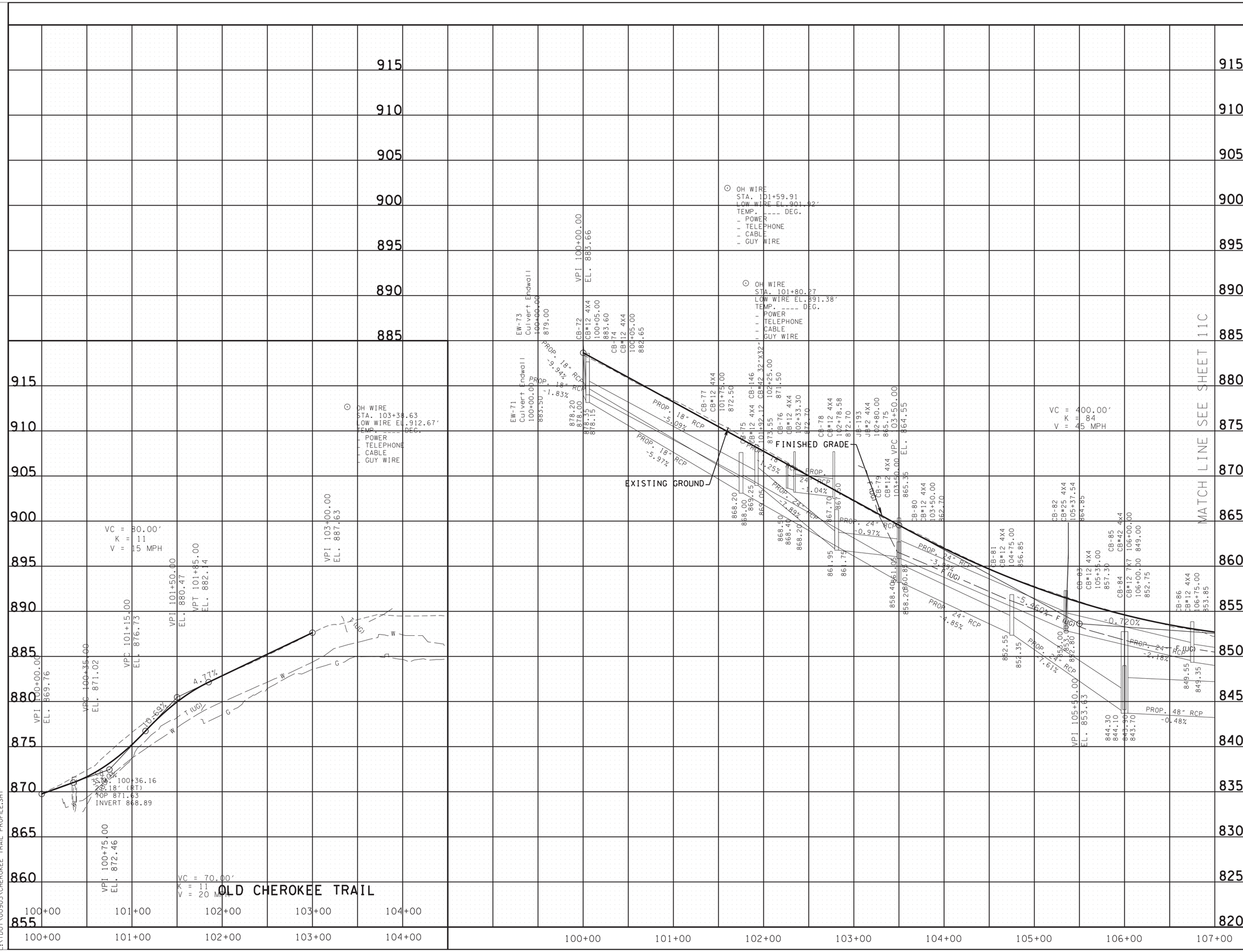
PROPOSED LAYOUT

STA. 100+00 TO STA. 107+00
CHEROKEE TRAIL

SCALE: 1"= 50'

5/17/2024 9:40:58 AM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	10C
CONST.	2023	R-STP/NH-115(29)	10C



REV 12-07-20
ADDED UNDERGROUND FIBER OPTIC LINE TO PLANS

REV 2-17-23

REVISED PROJECT NO.

REV 9-11-23

ADDED OLD CHEROKEE PROFILE.

REV 3-29-24

ADDED STR. NOS. 146 AND 193.

ELIMINATED PIPE BETWEEN STR. NOS. 75 AND 76 AND BETWEEN 78 AND 79.

ADDED PIPE BETWEEN STR. NO. 78 AND 193, BETWEEN 193 AND 79 AND BEWEEN 146 AND 76.

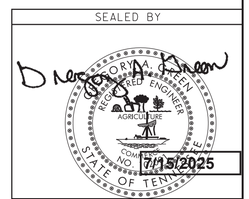
REV 5-20-24

REVISED ELEVATIONS ON STR. NOS. 84 AND 85.

REV 7-14-25

REVISED PROPOSED PROFILE FOR OLD CHEROKEE TRAIL.

SEALED BY



OLD CHEROKEE TRAIL

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

CHEROKEE TRAIL

STA. 98+00 TO STA. 107+00

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

7/15/2025 8:40:32 AM
L:\TDOT\00903\CHEROKEE TRAIL PROFILE.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	11
CONST.	2023	R-STP/NH-115(29)	11

REV 11-19-18

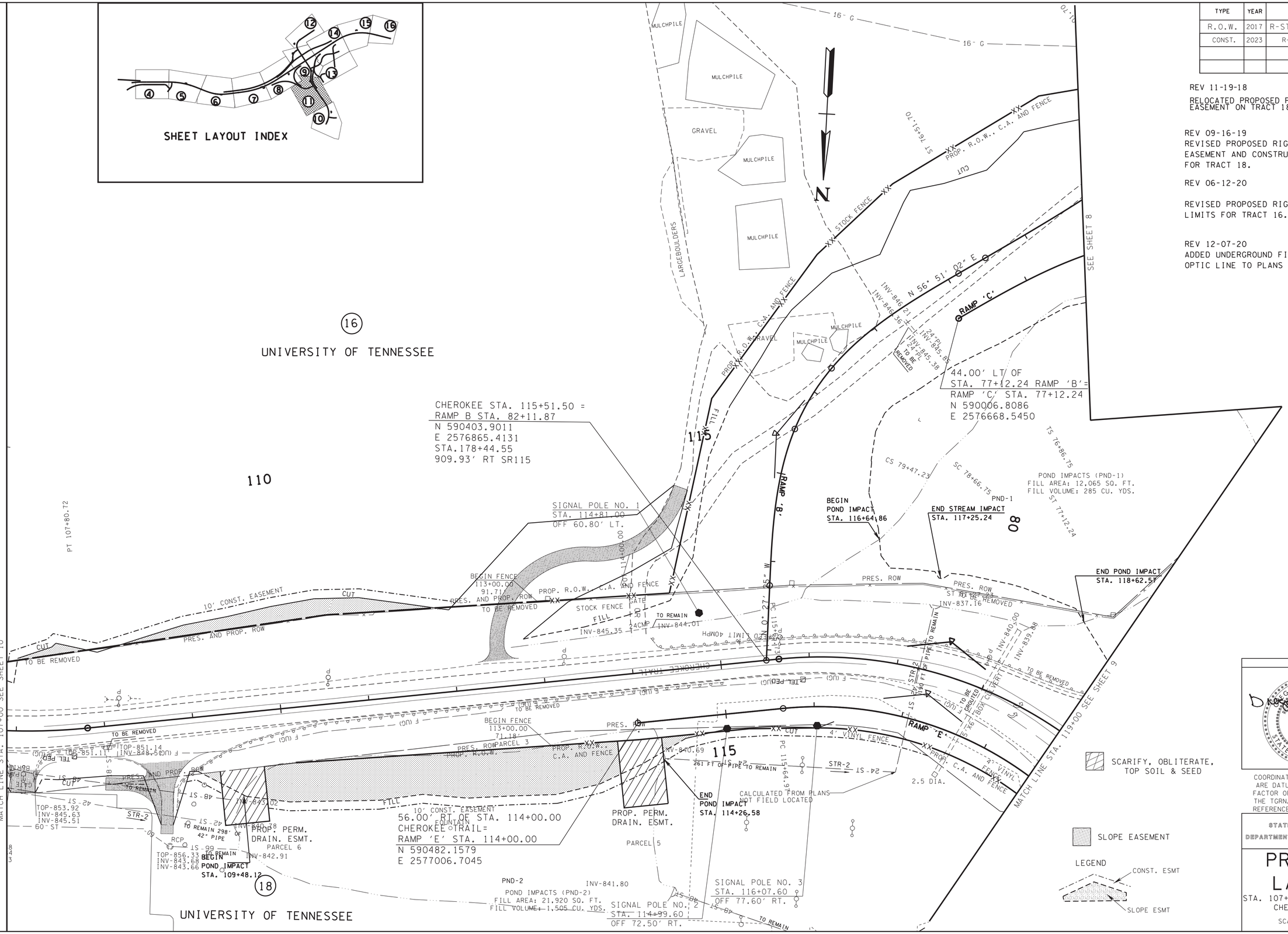
RELOCATED PROPOSED PERMANENT DRAINAGE EASEMENT ON TRACT 18, PARCEL 6.

REV 09-16-19
REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 06-12-20

REVISED PROPOSED RIGHT OF WAY, SLOPE LIMITS FOR TRACT 16.

REV 12-07-20
ADDED UNDERGROUND FIBER OPTIC LINE TO PLANS



SEALED BY

GREGORY A. GUSSMAN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 101
STATE OF TENNESSEE
11/23/2022

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 107+00 TO STA. 119+00
CHEROKEE TRAIL

SCALE: 1"= 50'

11/18/2022 2:35:48 PM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	11A
CONST.	2023	R-STP/NH-115(29)	11A

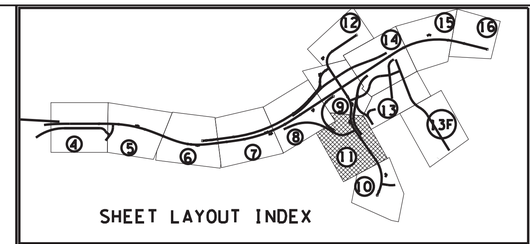
REV 11-19-18

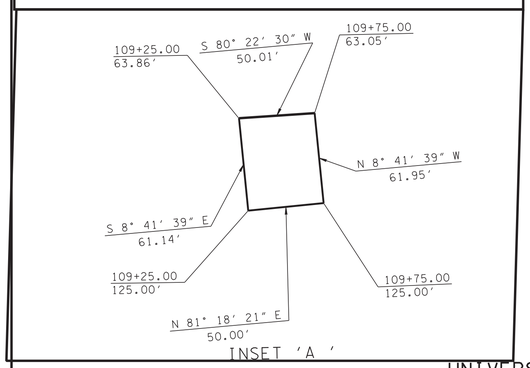
RELOCATED PROPOSED PERMANENT DRAINAGE EASEMENT ON TRACT 18, PARCEL 6.

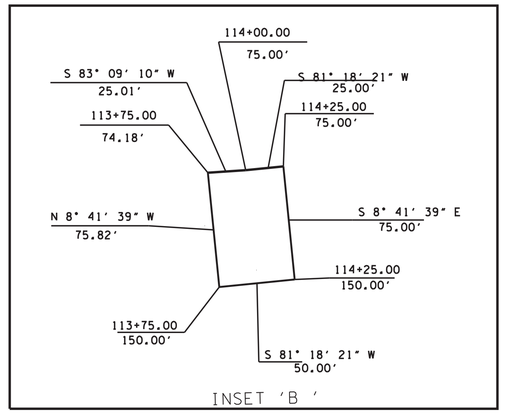
REV 09-16-19
REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

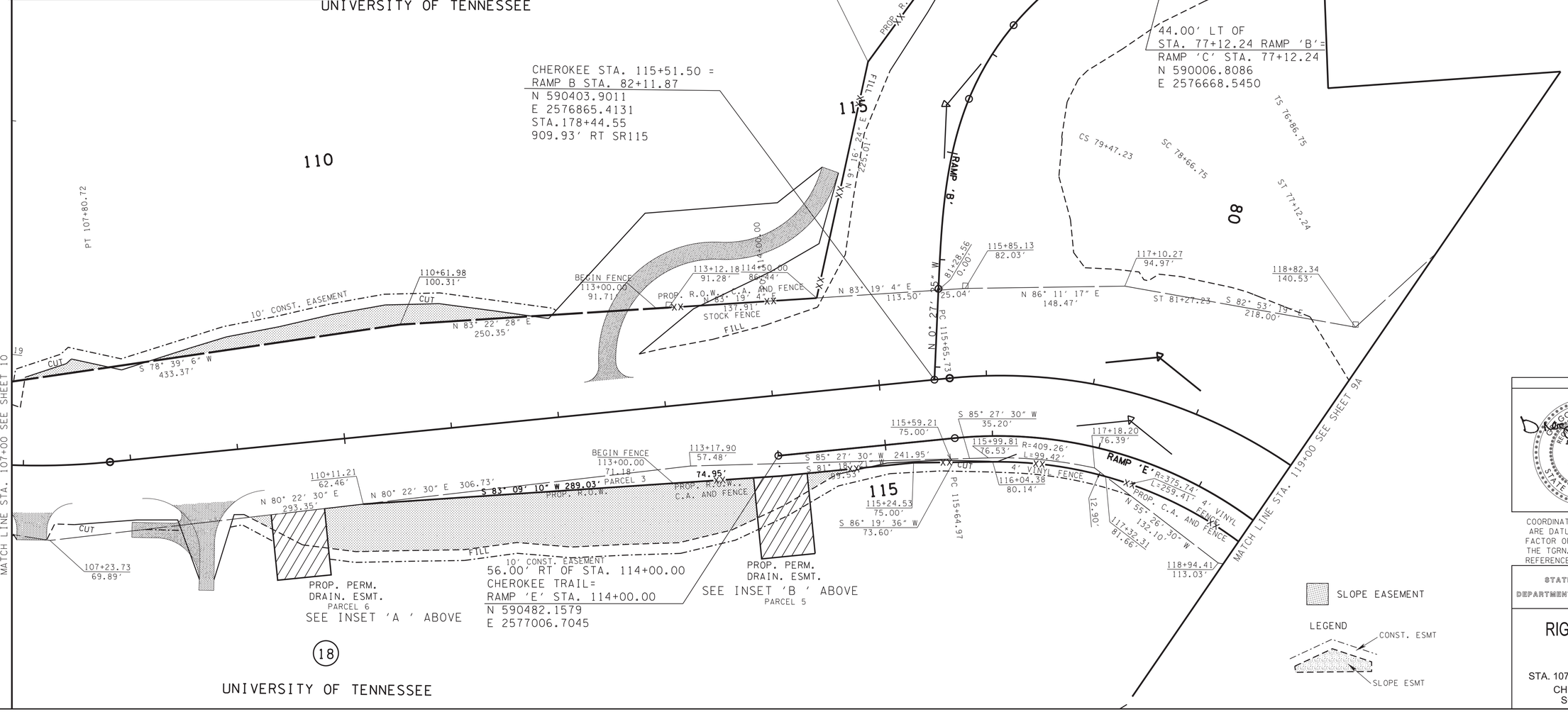
REV 06-12-20

REVISED PROPOSED RIGHT OF WAY, SLOPE LIMITS FOR TRACT 16.

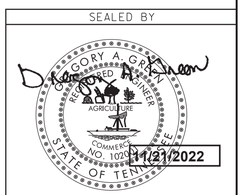








SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 107+00 TO STA. 119+00
CHEROKEE TRAIL
SCALE: 1"= 50'

11/18/2022 2:35:50 PM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	11B
CONST.	2023	R-STP/NH-115(29)	11B

REV 11-19-18

REVISED LOCATION OF DRAINAGE STRUCTURES 88, 91 AND 93. RELOCATED STR-2 TO THESE NEW LOCATIONS.

REV 09-16-19

ADDED PROPOSED RETAINING WALL NO. 14

REV 2-17-23

ADDED BEGIN HALF CONCRETE BARRIER WALL (S-SSMB-3) TO WALL 6A.

REV 4-12-23

REVISED RADIUS AT ENTRANCE TO DRIVEWAY SERVING TRACT 16.

REV 5-5-23

REVISED ENTRANCE TO DRIVEWAY SERVING TRACT 16 TO 24 FEET WIDE.

REV 11-22-23

REVISED LIMITS OF CONCRETE PAVEMENT.

REV 3-29-24

REVISED STATION AND/OR OFFSET FOR STR. NO. 91, 103, 104, 106, AND 108.

ADDED CULVERT AT STA. 81+10.43 ON RAMP 'B'

REV 5-20-24

REVISED ELEVATION ON STR. NOS. 97, 103, 104 AND 106.

REVISED STR. NOS. 97 AND 98.

REV 7-14-25

ADDED STR. NOS. 247 AND 248.

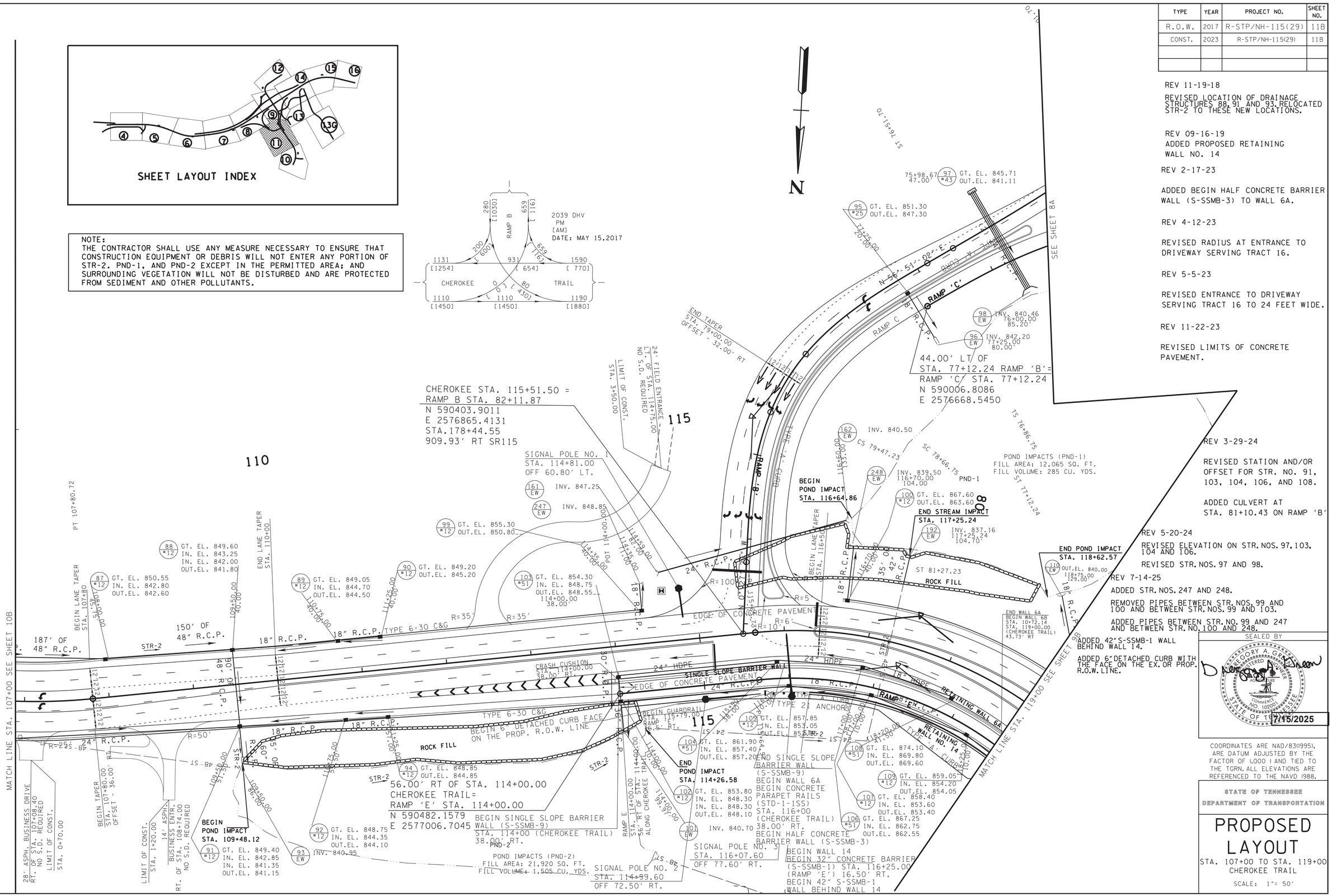
REMOVED PIPES BETWEEN STR. NOS. 99 AND 100 AND BETWEEN STR. NOS. 99 AND 103.

ADDED PIPES BETWEEN STR. NO. 99 AND 247 AND BETWEEN STR. NO. 100 AND 248.

ADDED 42" S-SSMB-1 WALL BEHIND WALL 14.

ADDED 6" DETACHED CURB WITH THE FACE ON THE EX. OR PROP. R.O.W. LINE.

NOTE:
THE CONTRACTOR SHALL USE ANY MEASURE NECESSARY TO ENSURE THAT CONSTRUCTION EQUIPMENT OR DEBRIS WILL NOT ENTER ANY PORTION OF STR-2, PND-1, AND PND-2 EXCEPT IN THE PERMITTED AREA; AND SURROUNDING VEGETATION WILL NOT BE DISTURBED AND ARE PROTECTED FROM SEDIMENT AND OTHER POLLUTANTS.



SEALED BY

REGORY A. GRAYSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

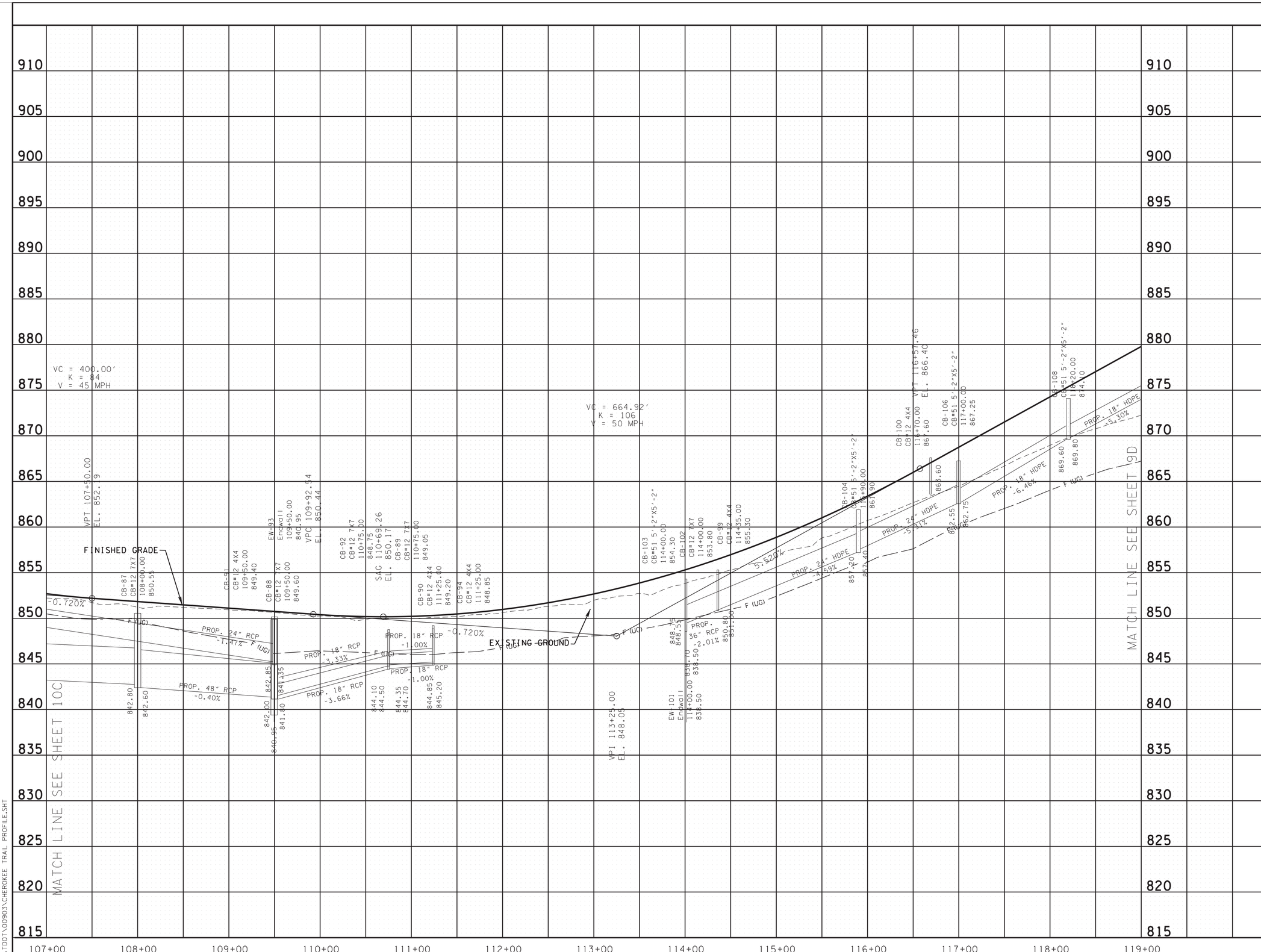
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 107+00 TO STA. 119+00
CHEROKEE TRAIL

SCALE: 1"= 50'

7/15/2025 8:40:35 AM
L:\TDOT\00903\PROPOSED LAYOUTS.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	11C
CONST.	2023	R-STP/NH-115(29)	11C

REV 11-19-18

REVISED STRUCTURES 88, 89, 91, 92 AND 93 .

REV 12-07-20
ADDED UNDERGROUND FIBER OPTIC LINE TO PLANS

REV 5-20-24

REVISED ELEVATIONS ON STR. NOS. 87, 88, 103, 104 AND 106.

REV 7-14-25

REMOVED PIPES BETWEEN STR. NOS. 99 AND 100 AND BETWEEN STR. NOS. 99 AND 103.

SEALED BY

GREGORY A. SANSON
REGISTERED PROFESSIONAL ENGINEER
AGRICULTURE
COMMERCE
No. 112000
STATE OF TENNESSEE

7/15/2025

CHEROKEE TRAIL

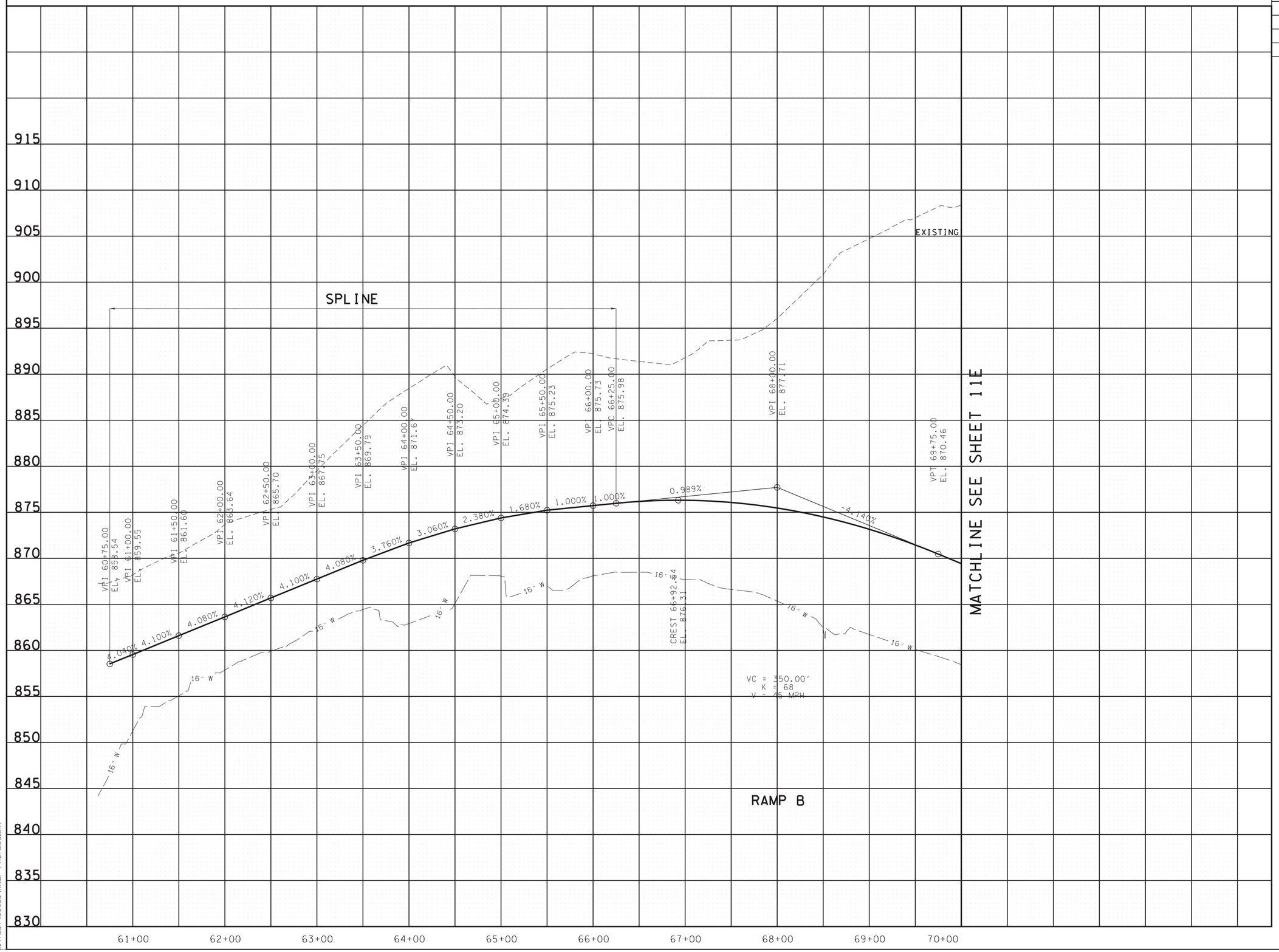
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

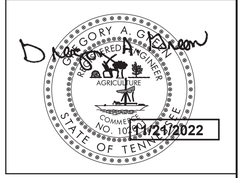
CHEROKEE TRAIL
STA. 107+00 TO STA. 119+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

7/15/2025 8:40:36 AM
L:\TDOT\00903\CHEROKEE TRAIL PROFILE.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	11D
CONST.	2023	R-STP/NH-115(29)	11D



SEALED BY

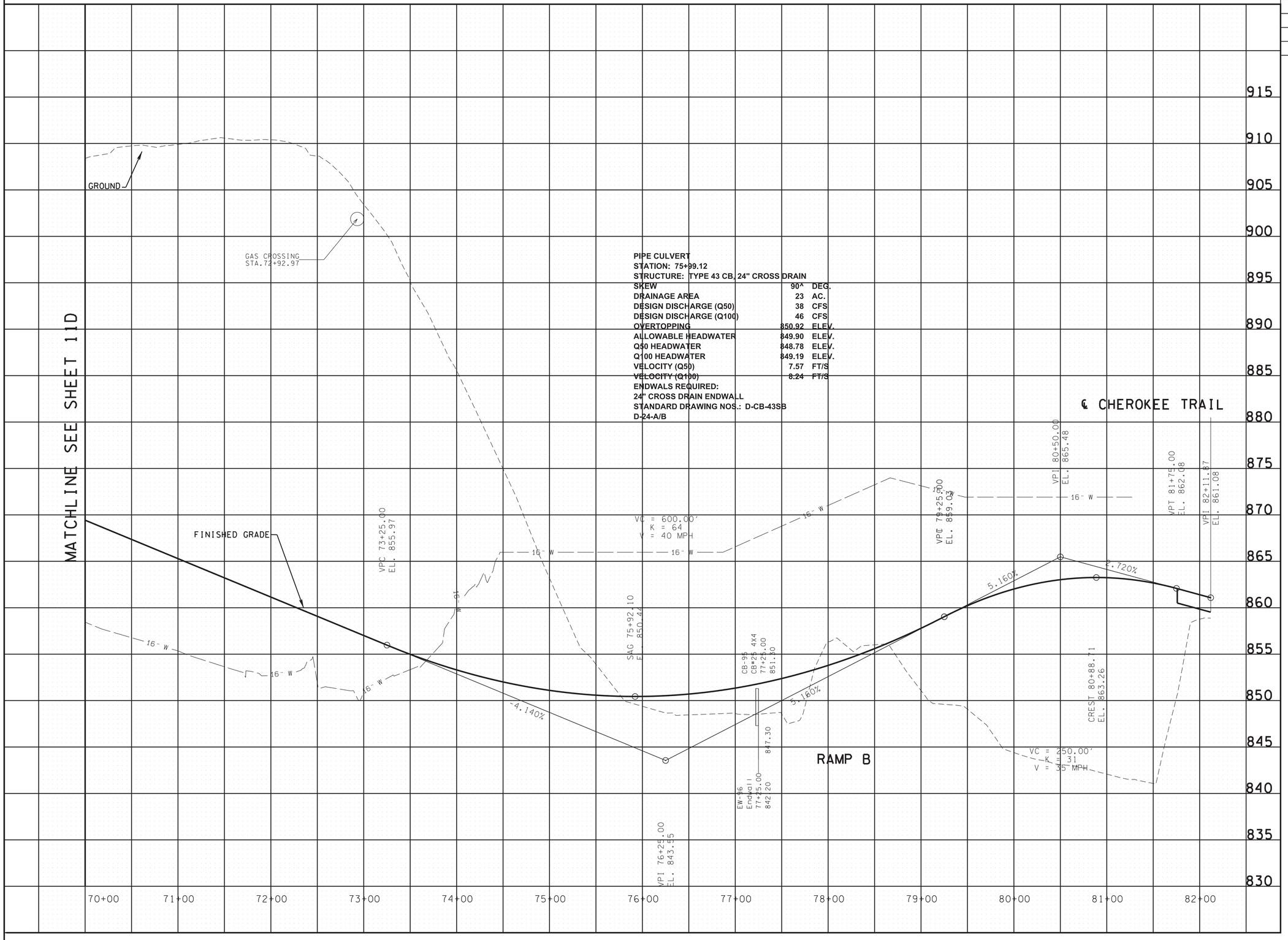


STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILES RAMP 'B'

11/8/2022 2:35:53 PM
L:\TDOT\00903\RAMP PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	11E
CONST.	2023	R-STP/NH-115(29)	11E



PIPE CULVERT
STATION: 75+99.12
STRUCTURE: TYPE 43 CB, 24" CROSS DRAIN

SKEW	90^	DEG.
DRAINAGE AREA	23	AC.
DESIGN DISCHARGE (Q50)	38	CFS
DESIGN DISCHARGE (Q100)	46	CFS
OVERTOPPING	850.92	ELEV.
ALLOWABLE HEADWATER	849.90	ELEV.
Q50 HEADWATER	848.78	ELEV.
Q100 HEADWATER	849.19	ELEV.
VELOCITY (Q50)	7.57	FT/S
VELOCITY (Q100)	8.24	FT/S

ENDWALS REQUIRED:
24" CROSS DRAIN ENDWALL
STANDARD DRAWING NOS.: D-CB-43SB
D-24-A/B

SEALED BY

GREGORY A. GRAY
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 101
STATE OF TENNESSEE

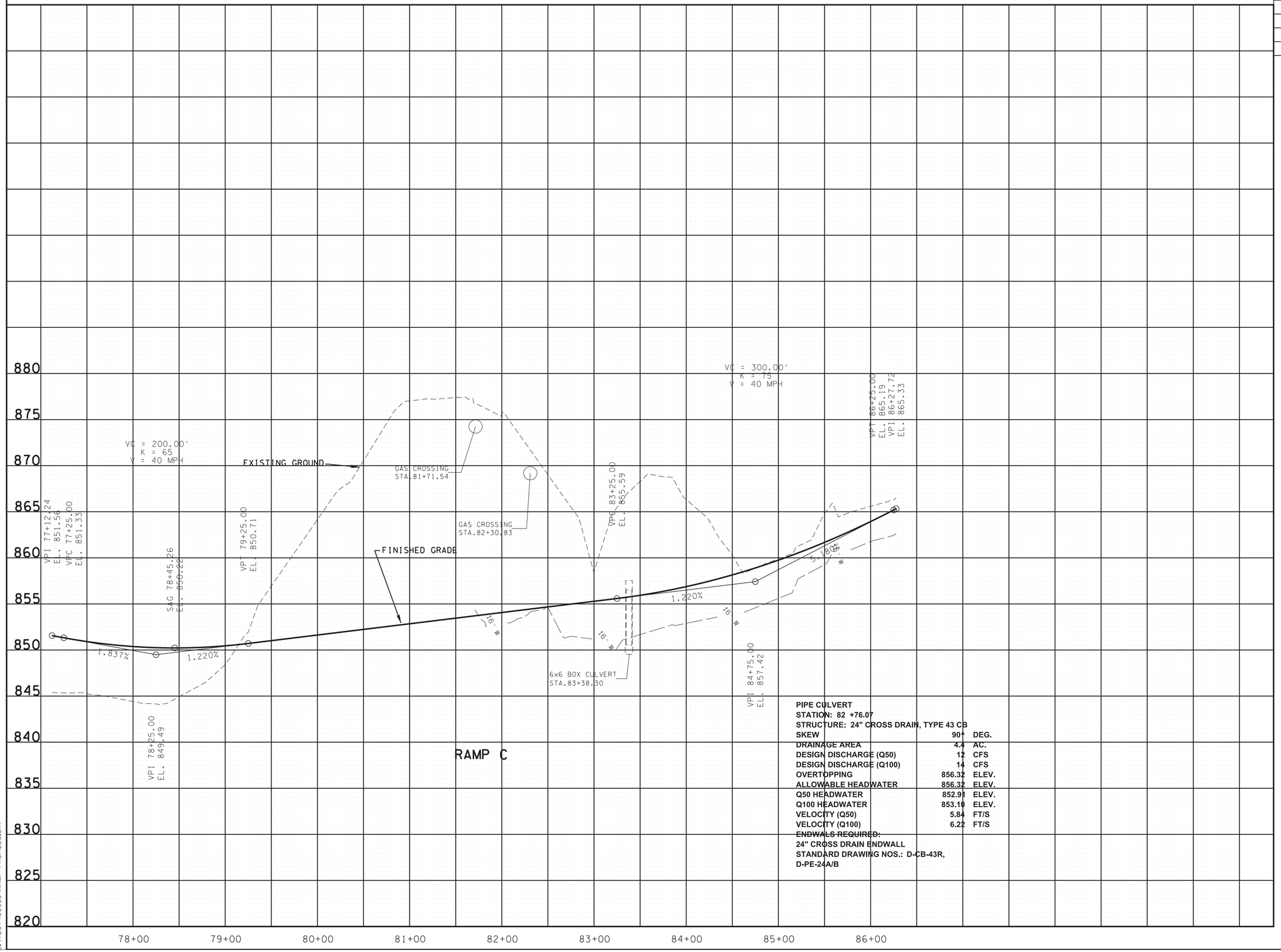
11/21/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILES RAMP 'B'

11/18/2022 2:35:54 PM
L:\TDOT\00903\RAMP PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	11F
CONST.	2023	R-STP/NH-115(29)	11F

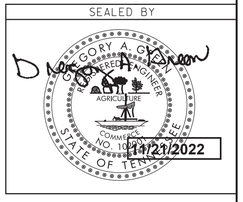


PIPE CULVERT
STATION: 82 +76.07
STRUCTURE: 24" CROSS DRAIN, TYPE 43 CB

SKEW	90°	DEG.
DRAINAGE AREA	4.4	AC.
DESIGN DISCHARGE (Q50)	12	CFS
DESIGN DISCHARGE (Q100)	14	CFS
OVERTOPPING	856.32	ELEV.
ALLOWABLE HEADWATER	856.32	ELEV.
Q50 HEADWATER	852.91	ELEV.
Q100 HEADWATER	853.10	ELEV.
VELOCITY (Q50)	5.84	FT/S
VELOCITY (Q100)	6.22	FT/S

ENDWALS REQUIRED:
24" CROSS DRAIN ENDWALL
STANDARD DRAWING NOS.: D-CB-43R, D-PE-24A/B

SEALED BY



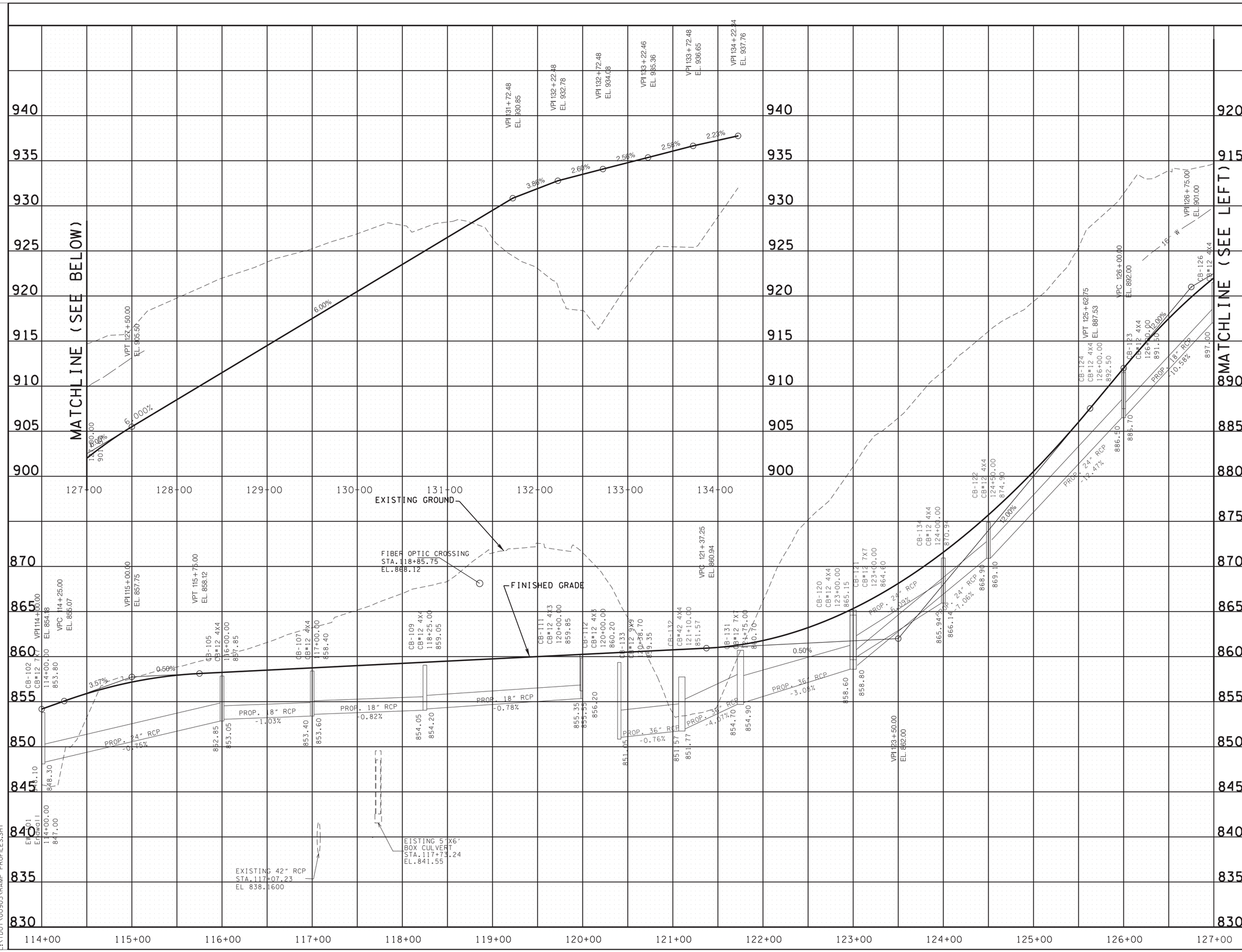
11/21/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILES RAMP 'C'

11/8/2022 2:35:54 PM
L:\TDOT\00903\RAMP PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	11G
CONST.	2023	R-STP/NH-115(29)	11G



REV 12-07-20

ADDED UNDERGROUND FIBER OPTIC LINE TO PLANS

REV 11-22-23

REVISED PROFILE FOR RAMP 'E'.

REV 5-20-24

REVISED STR. NOS 120, 121, 122 AND 124.

REV 7-17-24

ADDED STR-132 AND STR 134.

REMOVED PIPE BETWEEN STR-131 TO STR-133.

ADDED PIPE FROM STR. 131 TO STR-132 TO STR-133 AND FROM STR 134 TO STR-120.

SEALED BY

GREGORY A. GRESSMAN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/16/2024

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILES RAMP 'E'

7/15/2024 9:10:28 AM
L:\TDOT\00903\RAMP PROFILES.SHT

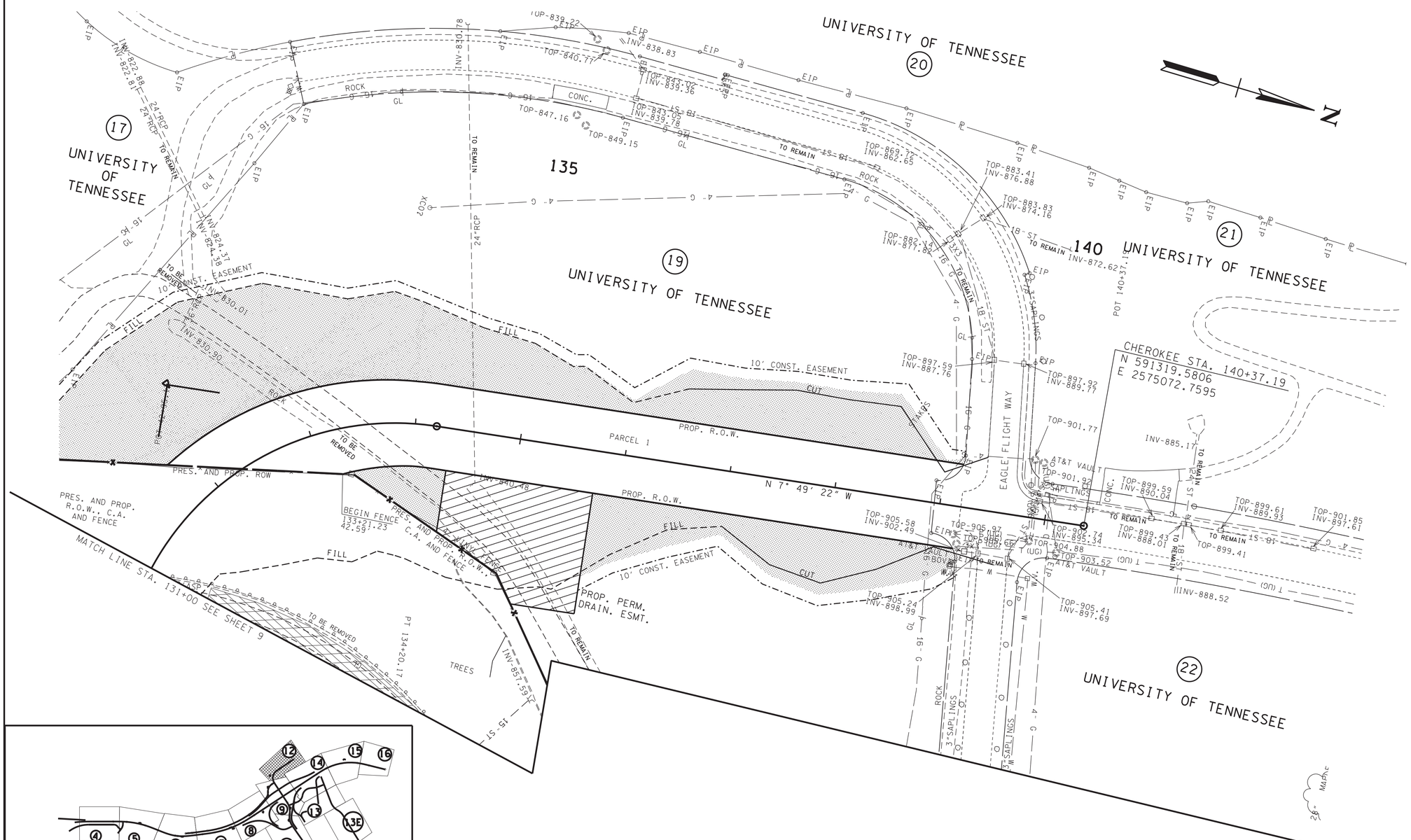
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	12
CONST.	2023	R-STP/NH-115(29)	12

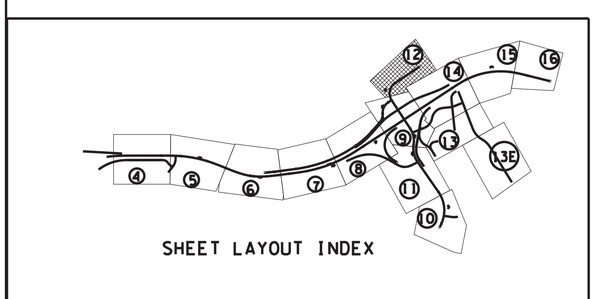
REV 11-19-18

REVISED SLOPE LIMITS ON CHEROKEE TRAIL FROM STA.135+00 TO THE END.

REV 11-22-23

REMOVED EXISTING PIPE BETWEEN STR-203 AND 156.





LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY

REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 102001 STATE OF TENNESSEE

11/21/2023

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 131+00 TO STA. 140+00

CHEROKEE TRAIL

SCALE: 1"= 50'

11/2/2023 2:32:29 PM

:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	12A
CONST.	2023	R-STP/NH-115(29)	12A

REV 9-27-18

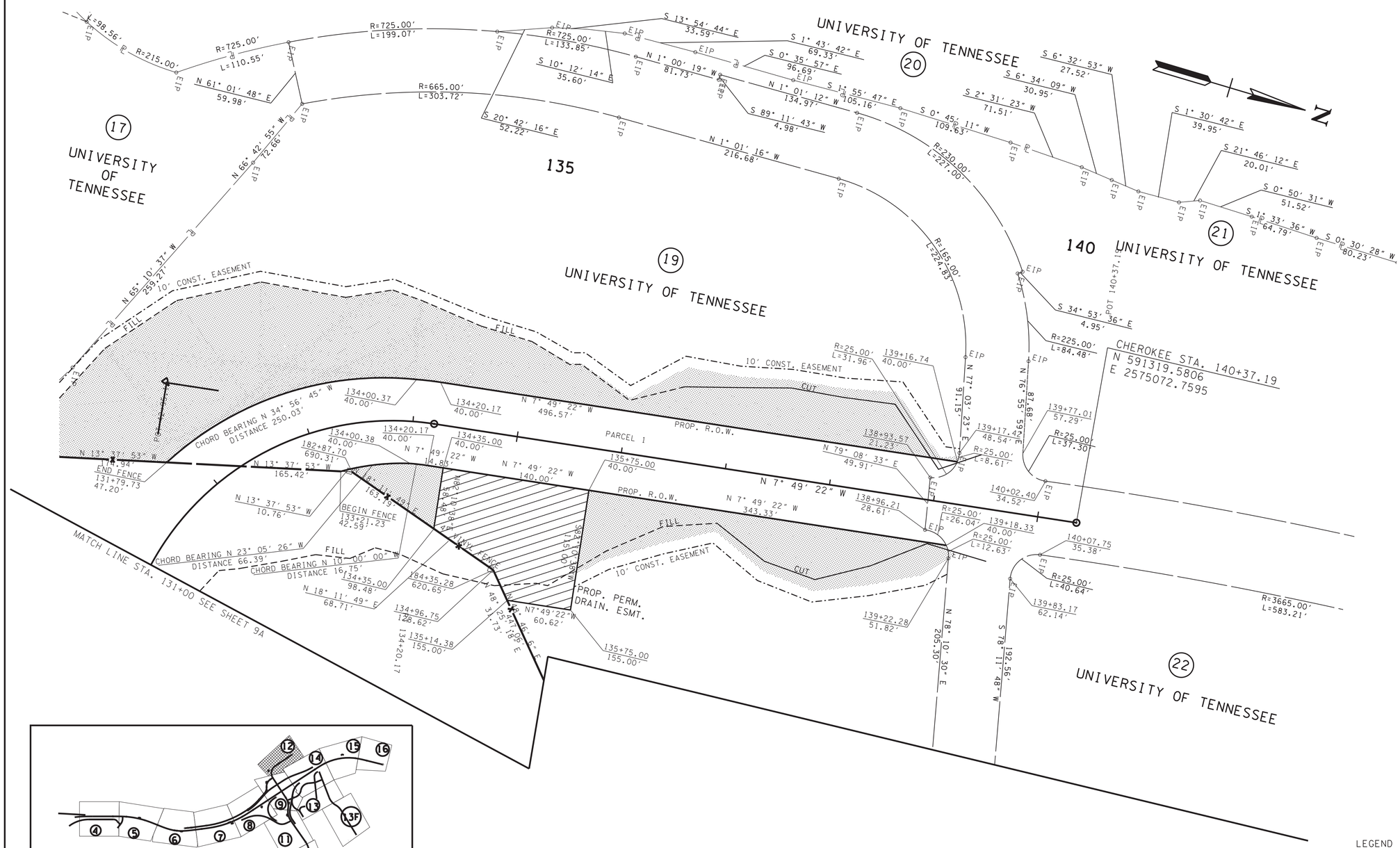
ADDED CHORD BEARING AND DISTANCE TO PROPOSED RIGHT OF WAY ON TRACT 19.

REV 11-19-18

REVISED SLOPE LIMITS ON CHEROKEE TRAIL FROM STA.135+00 TO THE END.

REV 6-3-21

REVISED AND ADDED BEARING AND DISTANCES, STATION AND OFFSETS ON TRACT 19.


UNIVERSITY OF TENNESSEE
17
UNIVERSITY OF TENNESSEE
19
UNIVERSITY OF TENNESSEE
20
UNIVERSITY OF TENNESSEE
21
UNIVERSITY OF TENNESSEE
22
UNIVERSITY OF TENNESSEE
135
140
CHEROKEE STA. 140+37.19
N 591319.5806
E 2575072.7595
POT 140+37.19
PARCEL 1
PROP. R.O.W.
PROP. PERM. DRAIN. ESMT.
10' CONST. EASEMENT
FILL
CUT
BEGIN FENCE
END FENCE
VINYL FENCE
MATCH LINE STA. 131+00 SEE SHEET 9A
N 7° 49' 22" W
CHORD BEARING N 34° 56' 45" W
DISTANCE 250.03'
CHORD BEARING N 23° 05' 26" W
DISTANCE 66.39'
CHORD BEARING N 10° 00' 00" W
DISTANCE 16.75'
R=725.00'
L=199.07'
R=725.00'
L=110.55'
R=665.00'
L=303.72'
R=230.00'
L=227.00'
R=165.00'
L=224.83'
R=3665.00'
L=583.21'
N 7°49'22"W
60.62'
S 87° 11' 48" W
192.56'
N 78° 10' 30" E
205.30'
139+22.28
51.82'
139+83.17
62.14'
140+07.75
35.38'
R=25.00'
L=40.64'
R=25.00'
L=12.63'
R=25.00'
L=26.04'
139+18.33
40.00'
140+02.40
34.52'
138+96.21
28.61'
R=25.00'
L=31.30'
139+77.01
57.29'
R=25.00'
L=84.48'
R=25.00'
L=31.96'
139+16.74
40.00'
R=25.00'
L=8.61'
139+17.42
48.54'
138+93.57
21.23'
135+75.00
40.00'
135+75.00
155.00'
135+14.38
155.00'
134+96.75
128.62'
134+35.00
98.48'
134+00.37
40.00'
134+20.17
40.00'
134+35.00
40.00'
134+00.38
40.00'
182+87.70
690.31'
184+35.28
620.65'
131+79.73
47.20'
133+21.23
42.59'
N 13° 37' 53" W
14.94'
N 13° 37' 53" W
165.42'
N 13° 37' 53" W
10.76'
N 18° 11' 49" E
68.71'
N 65° 10' 37" W
259.27'
N 66° 42' 55" W
72.66'
N 61° 01' 48" E
59.98'
R=215.00'
L=98.56'
R=25.00'
L=31.96'
S 13° 54' 44" E
33.59'
S 1° 43' 42" E
69.33'
S 0° 35' 57" E
96.69'
S 14° 55' 47" E
105.16'
S 0° 45' 11" W
109.63'
S 6° 32' 53" W
27.52'
S 6° 34' 09" W
30.95'
S 2° 31' 23" W
71.51'
S 1° 30' 42" E
39.95'
S 21° 46' 12" E
20.01'
S 0° 50' 31" W
51.52'
S 1° 33' 36" W
64.79'
S 0° 30' 28" W
80.23'
S 34° 53' 36" E
4.95'
N 76° 55' 59" E
87.68'
N 77° 03' 23" E
91.15'
N 79° 08' 33" E
49.91'
N 1° 00' 19" W
81.73'
N 1° 01' 12" W
134.97'
S 89° 11' 43" W
4.98'
N 1° 01' 16" W
216.68'
S 10° 12' 14" E
35.60'
S 20° 42' 16" E
52.22'
N 7° 49' 22" W
496.57'
N 7° 49' 22" W
14.85'
N 7° 49' 22" W
140.00'
N 7° 49' 22" W
343.33'
S 21° 46' 12" E
20.01'
S 0° 50' 31" W
51.52'
S 1° 33' 36" W
64.79'
S 0° 30' 28" W
80.23'
N 13° 37' 53" W
10.76'
N 18° 11' 49" E
68.71'
N 65° 10' 37" W
259.27'
N 66° 42' 55" W
72.66'
N 61° 01' 48" E
59.98'
R=215.00'
L=98.56'
R=725.00'
L=110.55'
R=725.00'
L=199.07'
R=665.00'
L=303.72'
R=725.00'
L=133.85'
S 10° 12' 14" E
35.60'
S 20° 42' 16" E
52.22'
N 1° 00' 19" W
81.73'
N 1° 01' 12" W
134.97'
S 89° 11' 43" W
4.98'
N 1° 01' 16" W
216.68'
S 13° 54' 44" E
33.59'
S 1° 43' 42" E
69.33'
S 0° 35' 57" E
96.69'
S 14° 55' 47" E
105.16'
S 0° 45' 11" W
109.63'
S 6° 32' 53" W
27.52'
S 6° 34' 09" W
30.95'
S 2° 31' 23" W
71.51'
S 1° 30' 42" E
39.95'
S 21° 46' 12" E
20.01'
S 0° 50' 31" W
51.52'
S 1° 33' 36" W
64.79'
S 0° 30' 28" W
80.23'
S 34° 53' 36" E
4.95'
N 76° 55' 59" E
87.68'
N 77° 03' 23" E
91.15'
N 79° 08' 33" E
49.91'
N 7° 49' 22" W
N 7° 49' 22" W
343.33'
N 7° 49' 22" W
140.00'
N 7° 49' 22" W
14.85'
N 7° 49' 22" W
496.57'
134+00.37
40.00'
134+20.17
40.00'
134+35.00
40.00'
134+00.38
40.00'
134+20.17
40.00'
182+87.70
690.31'
184+35.28
620.65'
131+79.73
47.20'
133+21.23
42.59'
134+96.75
128.62'
135+14.38
155.00'
135+75.00
40.00'
135+75.00
155.00'
N7°49'22"W
60.62'
139+16.74
40.00'
139+17.42
48.54'
138+93.57
21.23'
139+77.01
57.29'
138+96.21
28.61'
140+02.40
34.52'
139+18.33
40.00'
140+07.75
35.38'
139+83.17
62.14'
139+22.28
51.82'
192.56'
205.30'
R=25.00'
L=31.30'
R=25.00'
L=84.48'
R=25.00'
L=8.61'
R=25.00'
L=26.04'
R=25.00'
L=12.63'
R=25.00'
L=40.64'
R=3665.00'
L=583.21'
N 13° 37' 53" W
14.94'
END FENCE
131+79.73
47.20'
N 13° 37' 53" W
165.42'
N 13° 37' 53" W
10.76'
BEGIN FENCE
133+21.23
42.59

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	12B
CONST.	2023	R-STP/NH-115(29)	12B

REV 11-19-18

REVISED LANE WIDTHS FOR CHEROKEE TRAIL FROM 135+00 TO THE END ALONG WITH DRAINAGE.

REV 9-11-23

REVISED STRUCTURE #'S 158,159,160 AND 196.

REV 11-22-23

REMOVED EXISTING PIPE BETWEEN STR-203 AND 156.

REV 2-9-24

REVISED STR NO.'S 153, 154, 155, 156 AND 157 AND PIPES SIZES BETWEEN THIS SAME STRUCTURES.

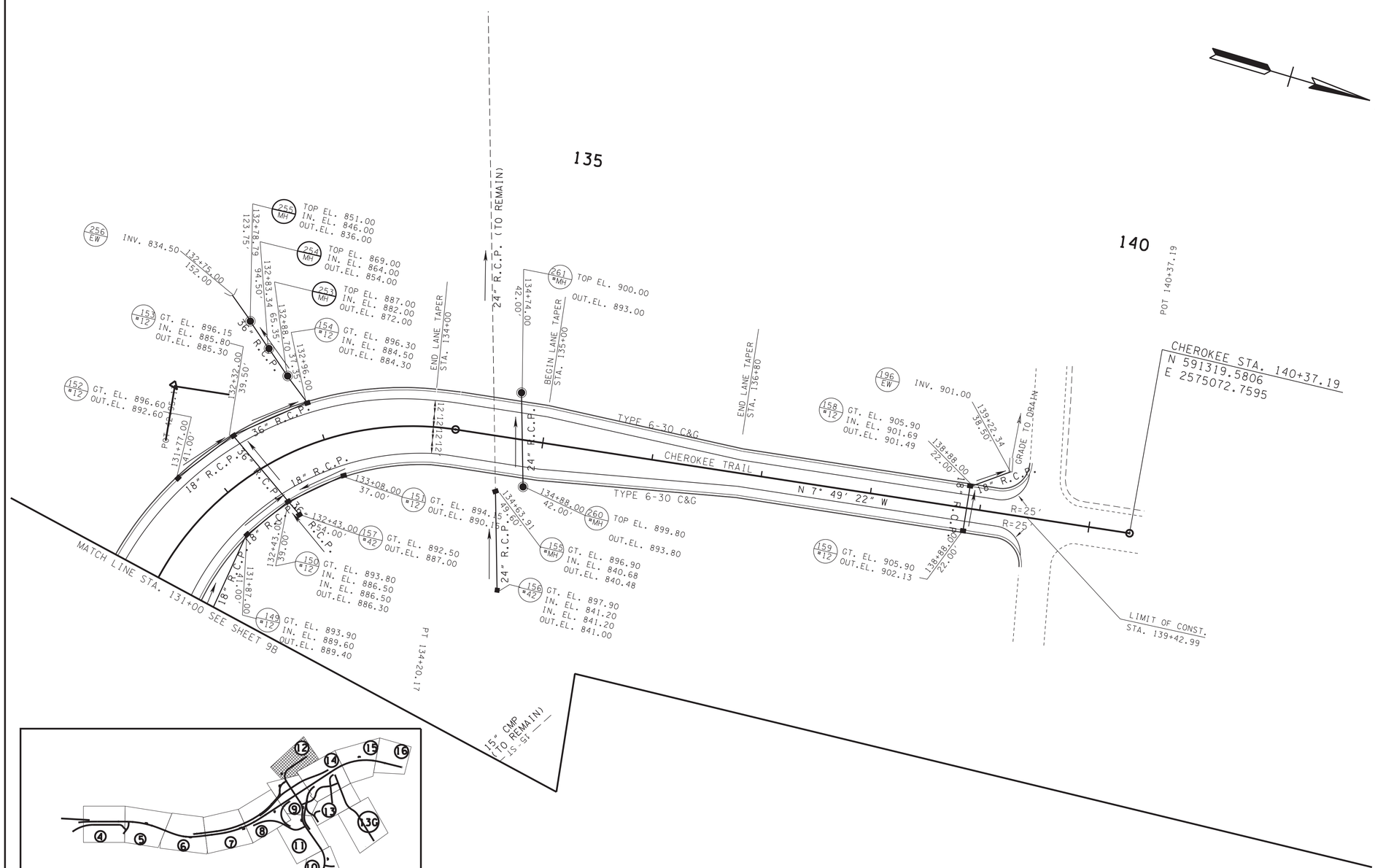
REV 3-29-24

REVISED STATION AND/OR OFFSET FOR STR. NO. 157.

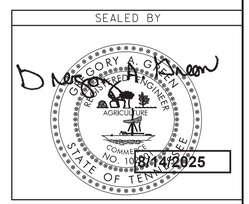
REV 8-14-25

REVISED STR NOS. 150, 153, 154, 155, 156, 157, 158, 159 AND 196 AND PIPES SIZES BETWEEN THIS SAME STRUCTURES.

ADDED STR NO.'S 253, 254, 255, 256, 260 AND 261.



SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE

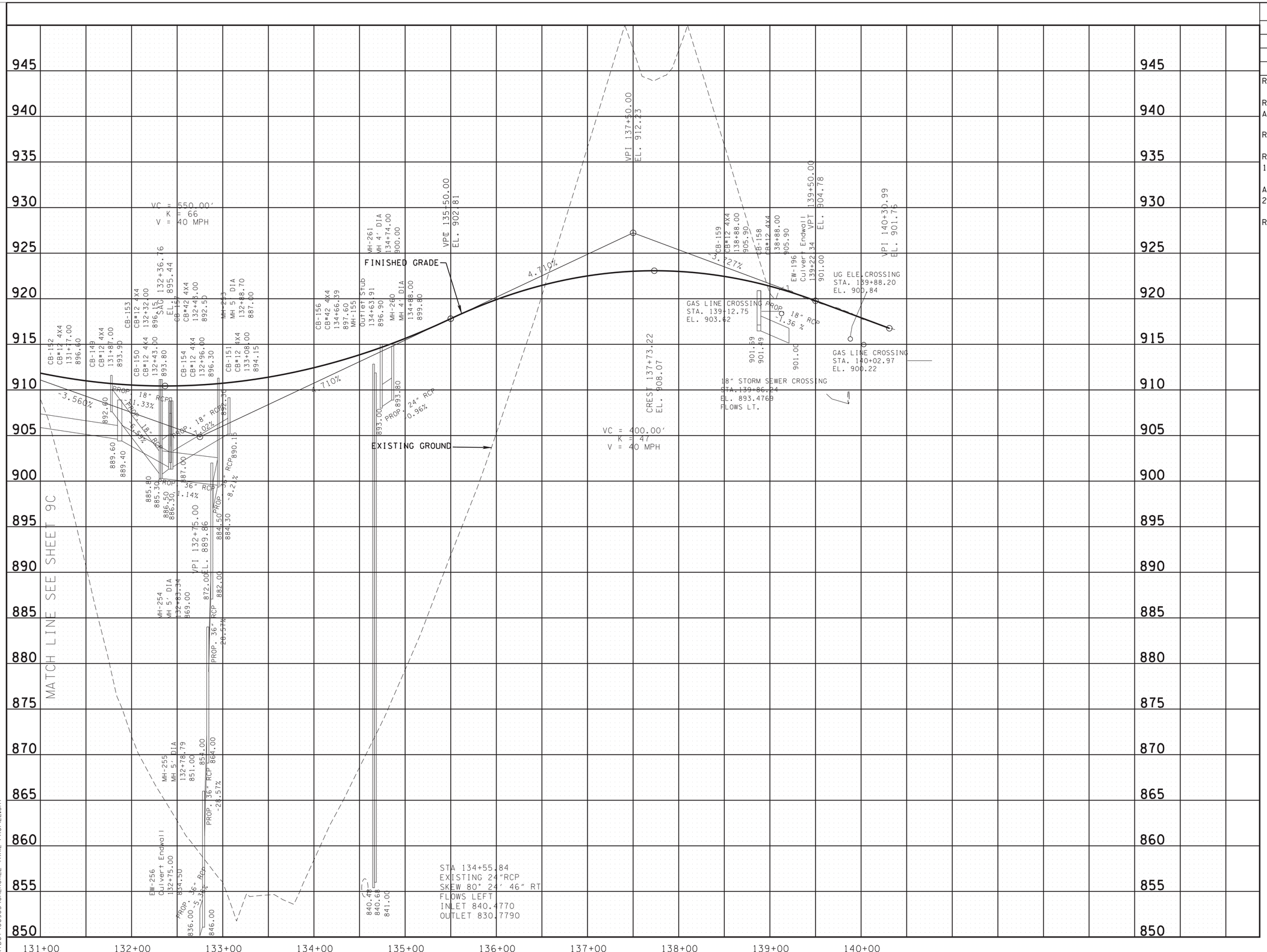
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 131+00 TO STA. 140+00
CHEROKEE TRAIL

SCALE: 1"= 50'

8/14/2025 2:44:13 PM
L:\TDOT\00903\PROPOSED LAYOUTS.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	12C
CONST.	2023	R-STP/NH-115(29)	12C

REV 9-11-23

REVISED STRUCTURE #S 158,159,160 AND 196.

REV 8-14-25

REVISED STR. NOS. 150, 153, 154, 155, 156, 157, 158, 159 AND 196.

ADDED STR. NOS. 253, 254, 255, 256, 260 AND 261

REMOVED STR. NO. 160.

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

8/14/2025

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

CHEROKEE TRAIL

STA. 131+00 TO STA. 141+00

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

8/14/2025 2:44:14 PM
L:\TDOT\00903\CHEROKEE TRAIL PROFILE.SHT

REV 2-6-23

REMOVED SLOPE EASEMENTS ALONG LIFE STAR ROAD AND REMOVED THE 15' LABEL FROM THE CONSTRUCTION EASEMENT FOR TRACT 18.

REV 2-17-23

CHANGE MATCHLINE STA. FROM 53+50 TO 133+00 SEE SHEET 9.

REV 10-13-23

ADDED 6' TEMPORARY CHANINLINK FENCE RIGHT OF LIFE STAR ROAD.

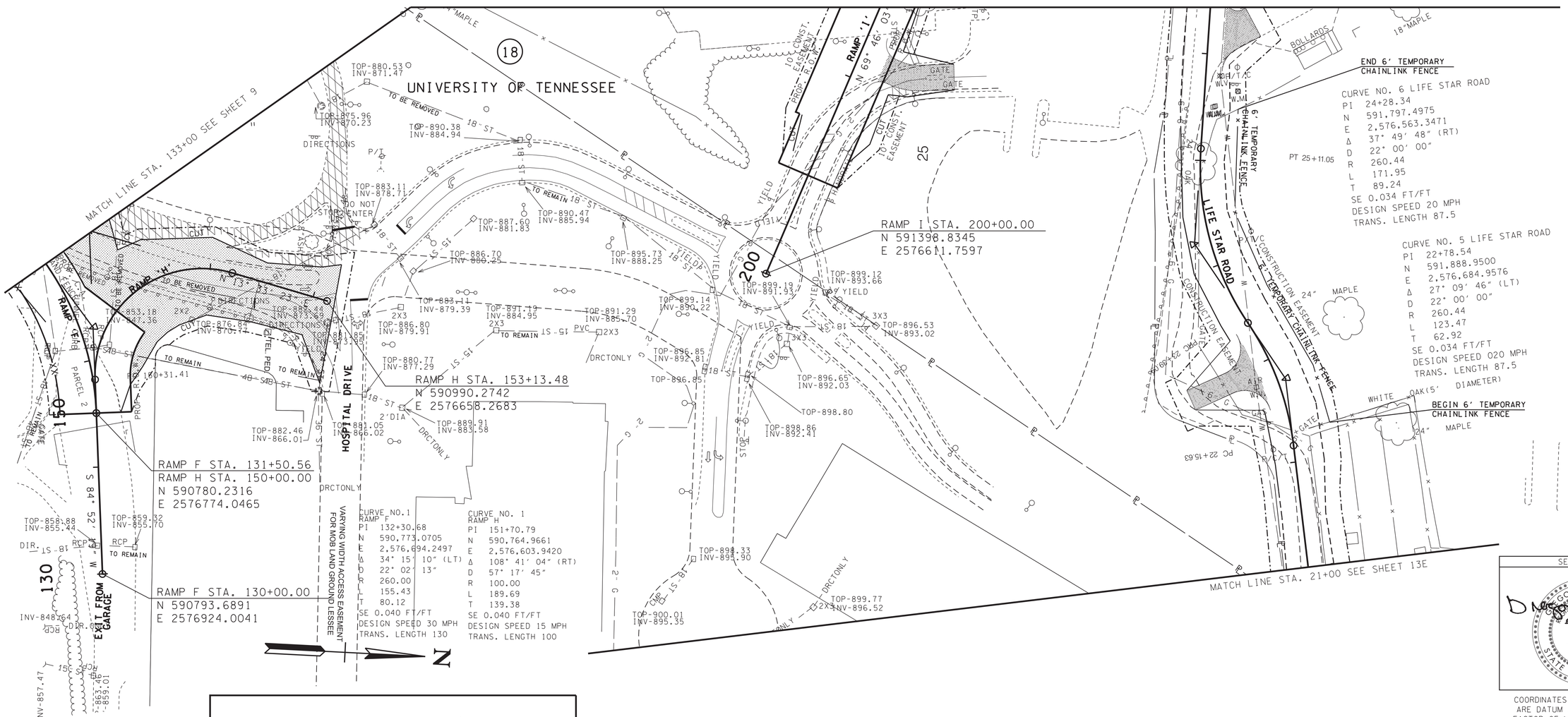
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13
CONST.	2023	R-STP/NH-115(29)	13

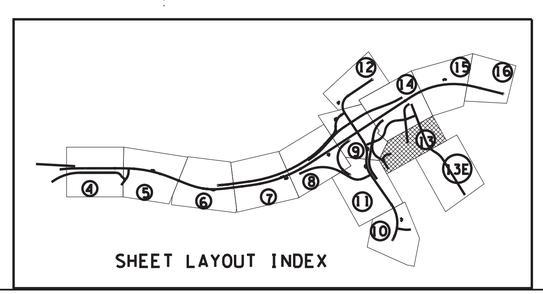
REV 09-16-19

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 6-3-21

ADDED LIFE STAR ROAD ALONG WITH PROPOSED SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.





SCARIFY, OBLITERATE, TOP SOIL & SEED

LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY

GREGORY A. GIBSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102000
STATE OF TENNESSEE

10/12/2023

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 54+00 TO STA. 60+00
HOSPITAL ENTRANCE

SCALE: 1"= 50'

10/12/2023 11:18:11 AM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13A
CONST.	2023	R-STP/NH-115(29)	13A

REV 09-16-19

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 6-3-21

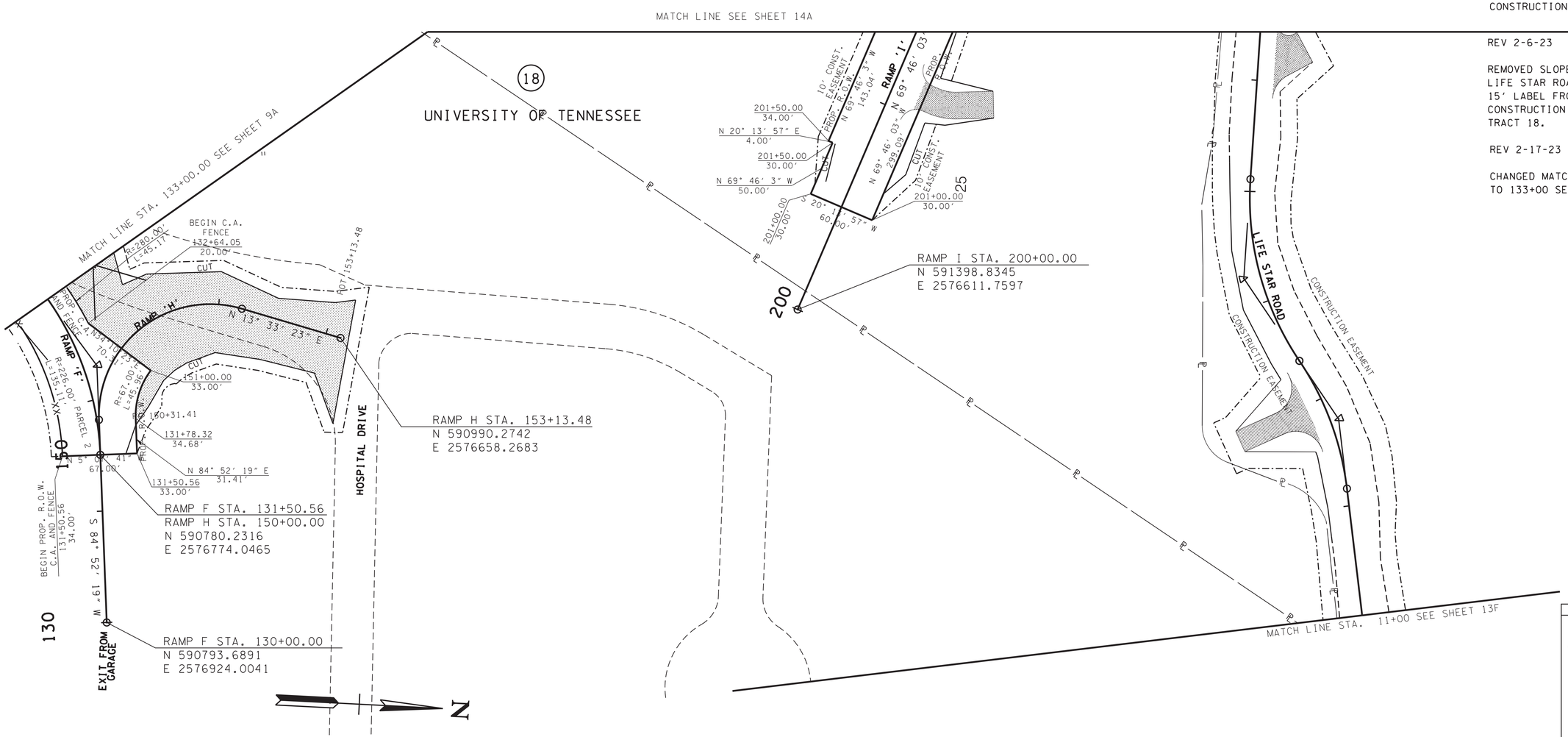
ADDED LIFE STAR ROAD ALONG WITH PROPOSED SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

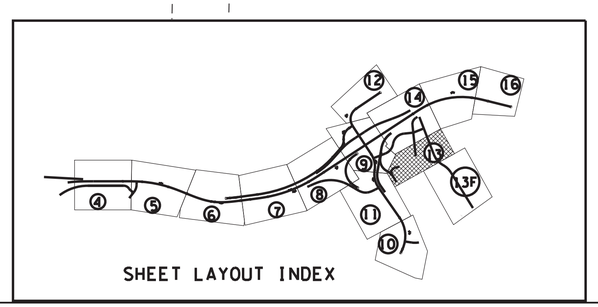
REV 2-6-23

REMOVED SLOPE EASEMENTS ALONG LIFE STAR ROAD AND REMOVED THE 15' LABEL FROM THE CONSTRUCTION EASEMENT FOR TRACT 18.

REV 2-17-23

CHANGED MATCHLINE STA. FROM 53+50 TO 133+00 SEE SHEET 9A.





SCARIFY, OBLIDERATE, TOP SOIL & SEED

LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY

GREGORY A. GREEN REGISTERED ENGINEER AGRICULTURE COMMERCE NO. 102001 STATE OF TENNESSEE

2/17/2023

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 00+00 TO STA. 60+00
HOSPITAL ENTRANCE
SCALE: 1"= 50'

2/17/2023 8:05:01 AM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13B
CONST.	2023	R-STP/NH-115(29)	13B

REV 2-17-23

CHANGE MATCHLINE STA. FROM 53+50 TO 133+00 SEE SHEET 9B.

CHANGED OFFSET FOR BEGIN WALL 12 TO 26.50 FEET.

REV 3-29-24

REVISED STR. NOS. 139-143.

REV 5-20-24

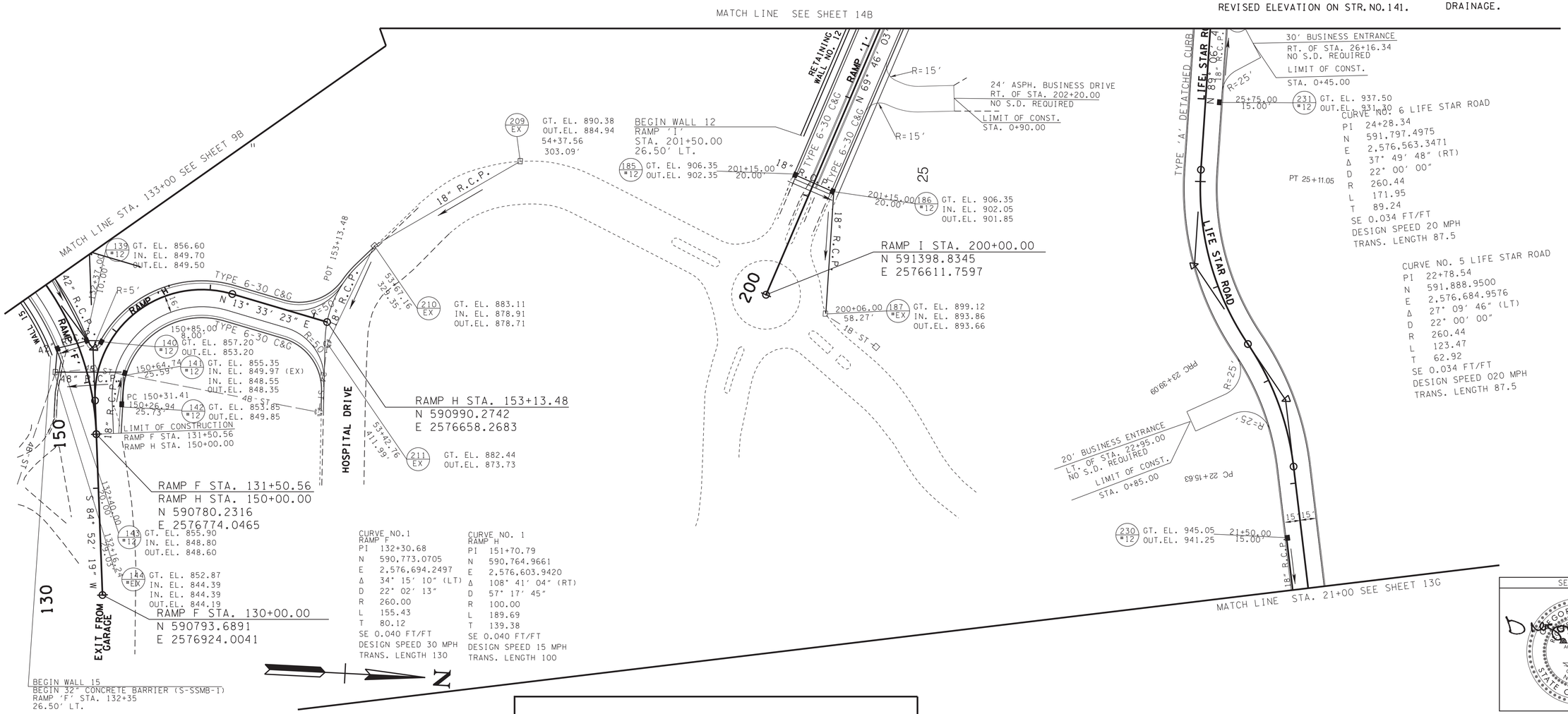
REVISED ELEVATION ON STR. NO. 141.

REV 09-16-19

ADDED PROPOSED RETAINING WALLS NOS. 12 AND 15.

REV 6-3-21

ADDED LIFE STAR ROAD ALONG WITH DRAINAGE.



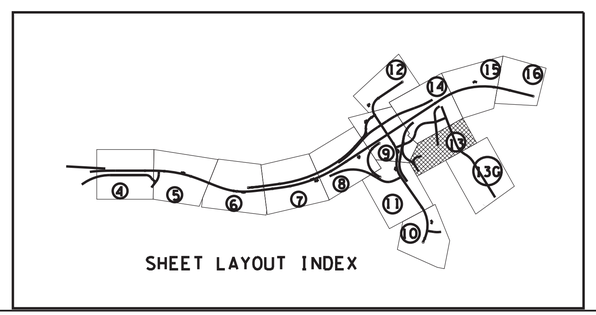
CURVE NO.1
RAMP F
PI 132+30.68
N 590,773.0705
E 2,576,694.2497
Δ 34° 15' 10" (LT)
D 22° 02' 13"
R 260.00
L 155.43
T 80.12
SE 0.040 FT/FT
DESIGN SPEED 30 MPH
TRANS. LENGTH 130

CURVE NO. 1
RAMP H
PI 151+70.79
N 590,764.9661
E 2,576,603.9420
Δ 108° 41' 04" (RT)
D 57° 17' 45"
R 100.00
L 189.69
T 139.38
SE 0.040 FT/FT
DESIGN SPEED 15 MPH
TRANS. LENGTH 100

CURVE NO. 6 LIFE STAR ROAD
PI 24+28.34
N 591,797.4975
E 2,576,563.3471
Δ 37° 49' 48" (RT)
D 22° 00' 00"
R 260.44
L 171.95
T 89.24
SE 0.034 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 87.5

CURVE NO. 5 LIFE STAR ROAD
PI 22+78.54
N 591,888.9500
E 2,576,684.9576
Δ 27° 09' 46" (LT)
D 22° 00' 00"
R 260.44
L 123.47
T 62.92
SE 0.034 FT/FT
DESIGN SPEED 020 MPH
TRANS. LENGTH 87.5

BEGIN WALL 15
BEGIN 32" CONCRETE BARRIER (S-SSMB-I)
RAMP 'F' STA. 132+35
26.50' LT.



SEALED BY

GREGORY A. GRAYSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102 09
STATE OF TENNESSEE

5/20/2024

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 54+00 TO STA. 60+00
HOSPITAL ENTRANCE

SCALE: 1"= 50'

5/17/2024 9:41:06 AM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13C
CONST.	2023	R-STP/NH-115(29)	13C

REV 12-07-20

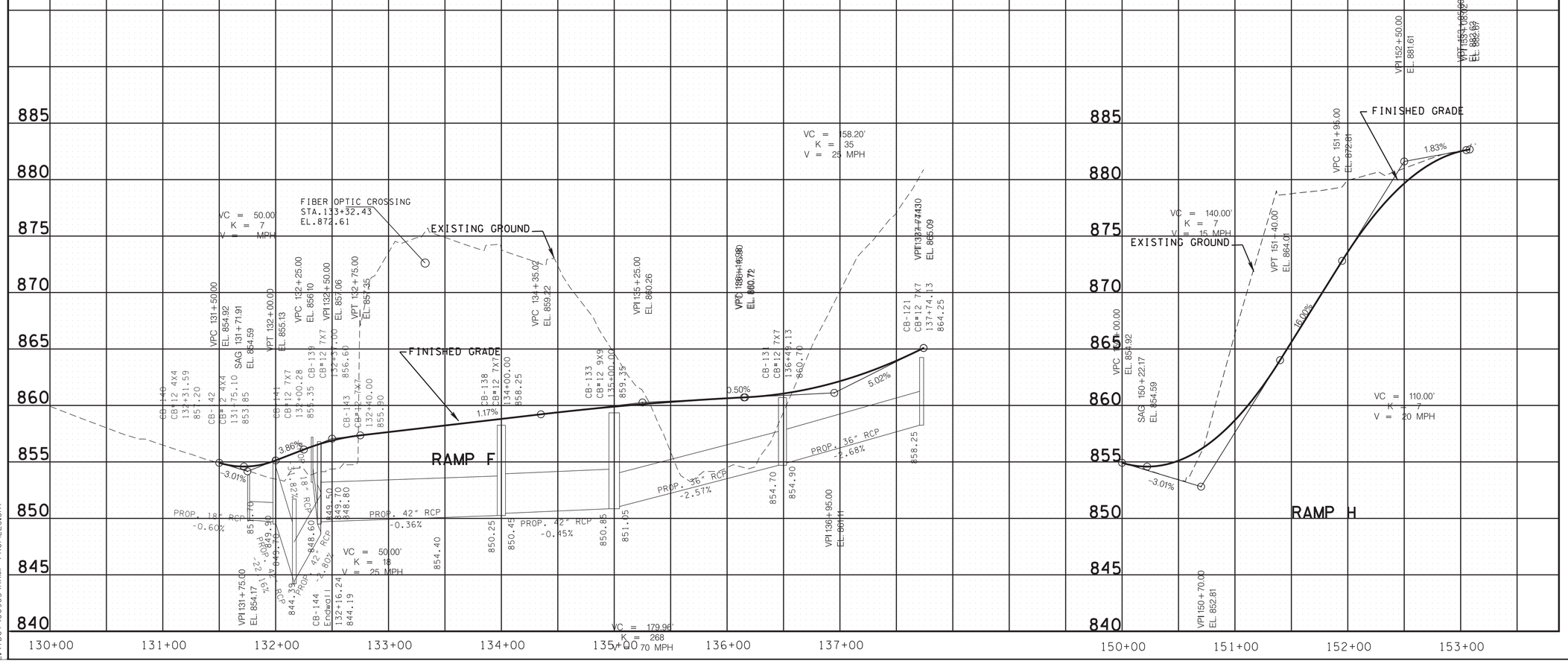
ADDED UNDERGROUND FIBER OPTIC LINE TO PLANS

REV 3-29-24

REVISED RAMPS F AND H PROFILES.
REVISED STR. NOS. 139-143.

REV 5-20-24

REVISED ELEVATIONS ON STR. NO. 141.



SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

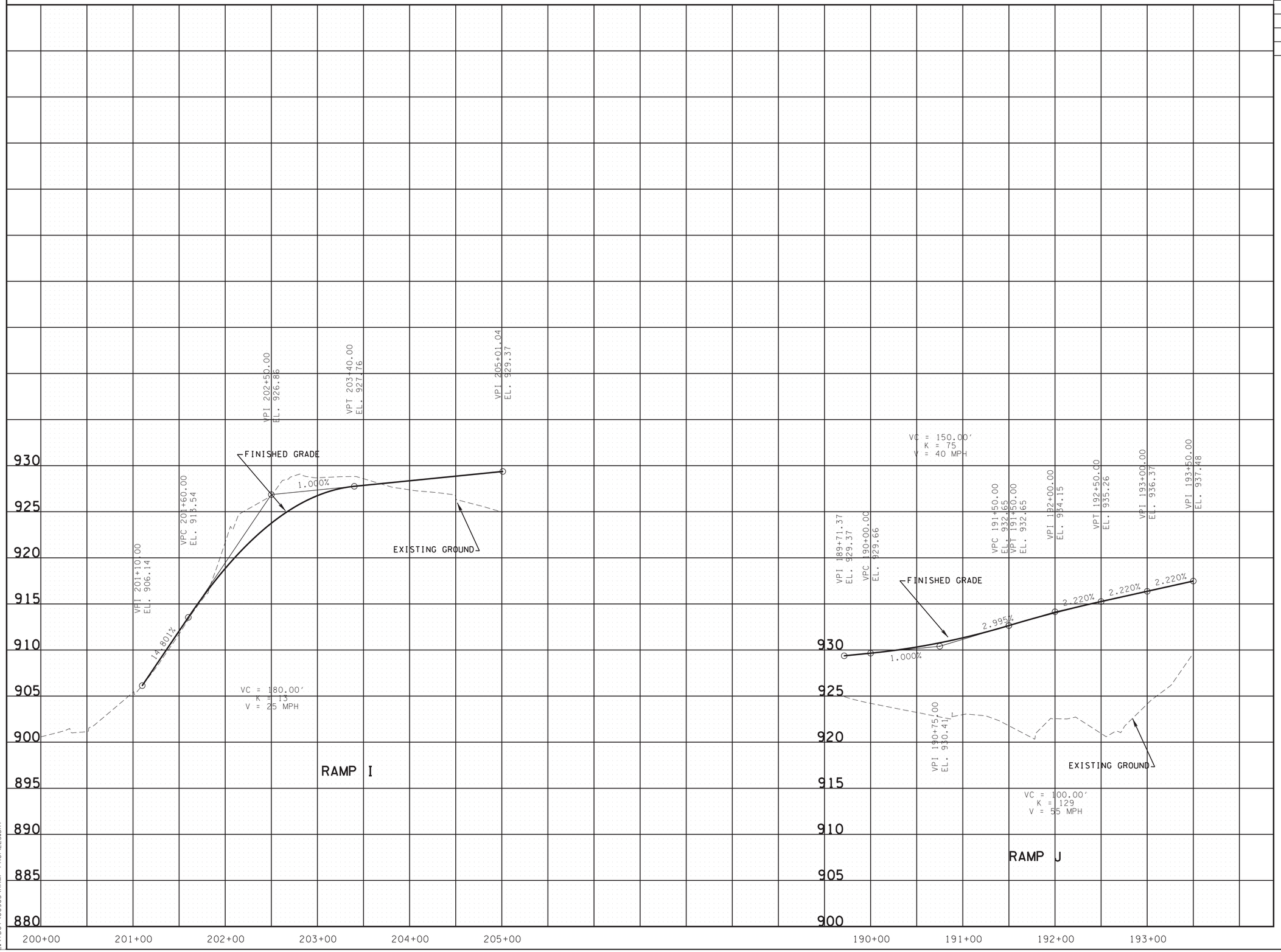
5/20/2024

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

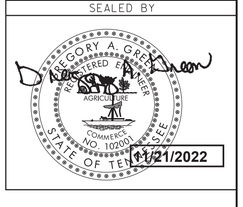
RAMP PROFILES RAMP 'F' RAMP 'H'

5/17/2024 9:41:07 AM
L:\TDOT\00903\RAMP PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13D
CONST.	2023	R-STP/NH-115(29)	13D



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RAMP PROFILES RAMP 'I' RAMP 'J'

1/18/2022 2:36:12 PM
L:\TDOT\00903\RAMP PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13E
CONST.	2023	R-STP/NH-115(29)	13E

REV 6-3-21

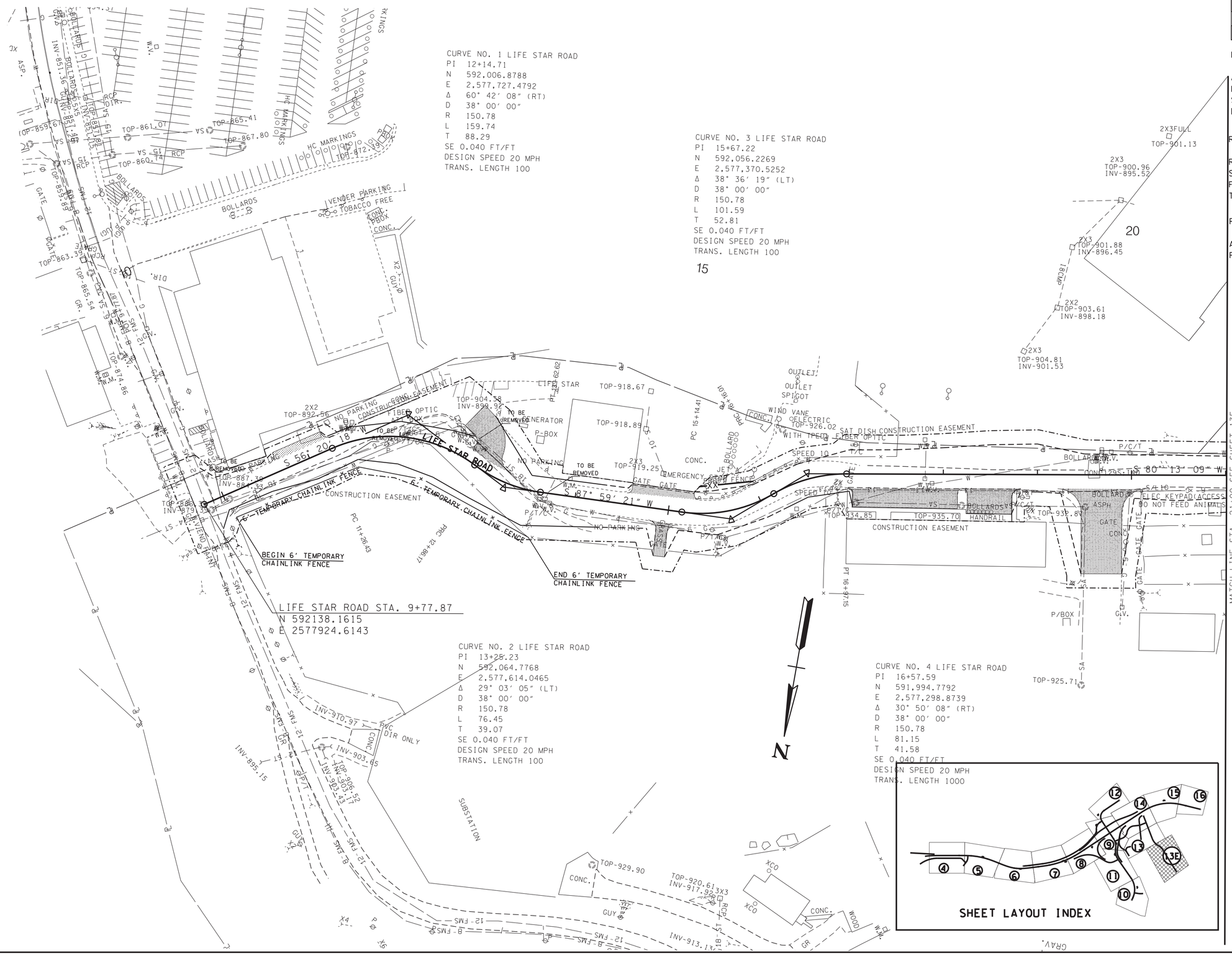
ADDED SHEET TO THE PLANS. ADDED LIFE STAR ROAD ALONG WITH PROPOSED SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 2-6-23

REMOVED SLOPE EASEMENTS ALONG LIFE STAR ROAD AND REMOVED THE 15' LABEL FROM THE CONSTRUCTION EASEMENT FOR TRACT 18.

REV 10-13-23

ADDED 6' TEMPORARY CHANINLINK FENCE RIGHT OF LIFE STAR ROAD.



SEALED BY

10/12/2023

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0001 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 10+00 TO STA. 21+00
LIFE STAR ROAD

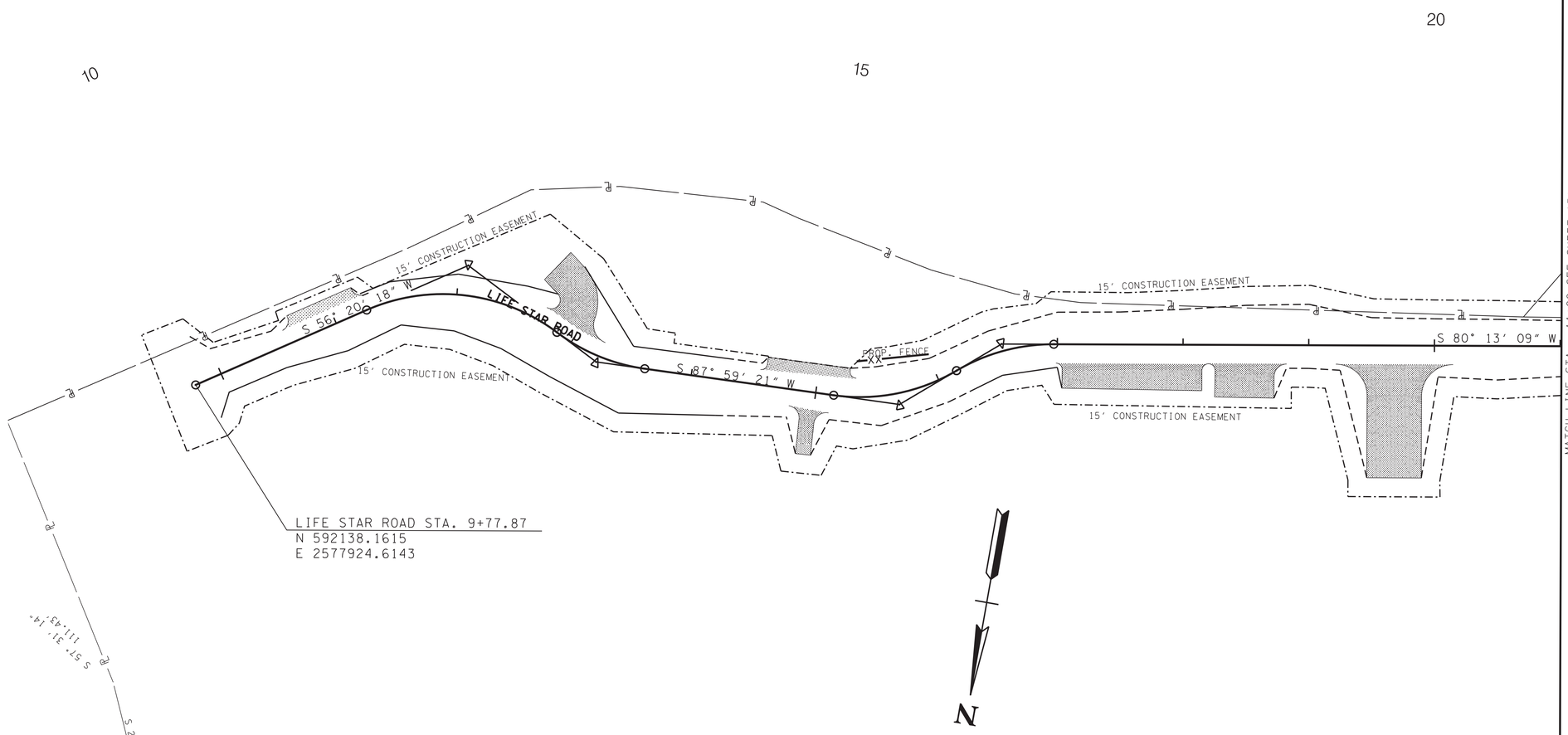
SCALE: 1"= 50'

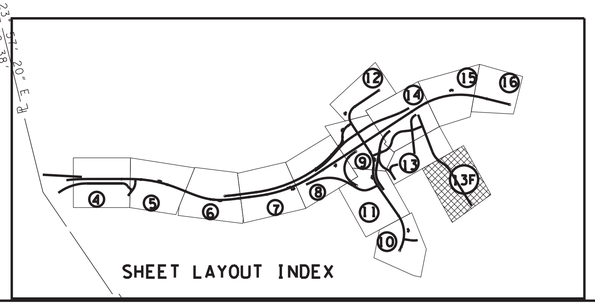
10/12/2023 11:18:11 AM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13F
CONST.	2023	R-STP/NH-115(29)	13F

REV 6-3-21

ADDED SHEET TO THE PLANS. ADDED LIFE STAR ROAD ALONG WITH PROPOSED SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.





SCARIFY, OBLIDERATE, TOP SOIL & SEED

LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY

GREGORY A. GRESHAM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 101
STATE OF TENNESSEE

11/21/2022

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 00+00 TO STA. 60+00
HOSPITAL ENTRANCE
SCALE: 1"= 50'

1/18/2022 2:36:18 PM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13G
CONST.	2023	R-STP/NH-115(29)	13G

REV 6-3-21

ADDED SHEET TO PLANS. ADDED LIFE STAR ROAD ALONG WITH DRAINAGE.

REV 4-12-23

ADDED HANDICAP RAMP AND CURBED ISLAND TO PARKING AREA RIGHT OF STA. 17+50.00.

REV 3-29-24

REVISED STATION AND/OR OFFSET FOR STR. NO. 217.

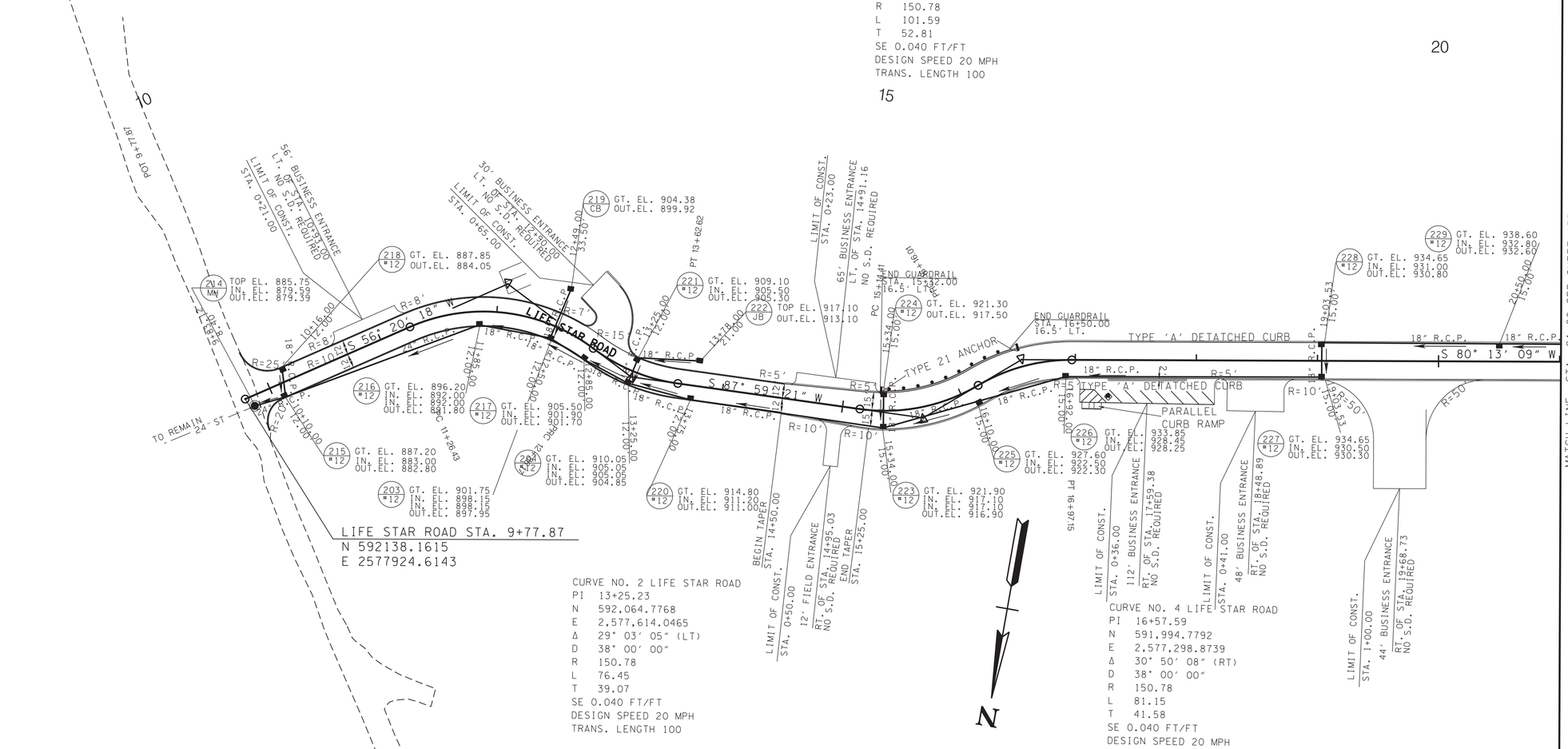
ADDED STR. NOS. 203 AND 204.

REV 5-20-24

REVISED STR. NO. 217.

CURVE NO. 1 LIFE STAR ROAD
PI 12+14.71
N 592,006.8788
E 2,577,727.4792
Δ 60° 42′ 08″ (RT)
D 38° 00′ 00″
R 150.78
L 159.74
T 88.29
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

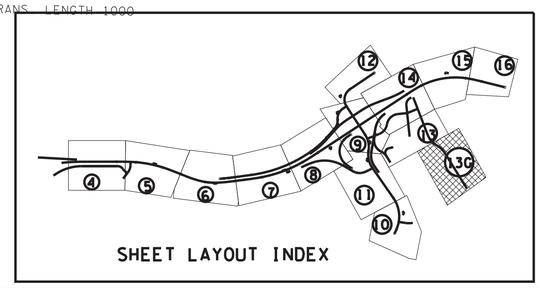
CURVE NO. 3 LIFE STAR ROAD
PI 15+67.22
N 592,056.2269
E 2,577,370.5252
Δ 38° 36′ 19″ (LT)
D 38° 00′ 00″
R 150.78
L 101.59
T 52.81
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100



LIFE STAR ROAD STA. 9+77.87
N 592138.1615
E 2577924.6143

CURVE NO. 2 LIFE STAR ROAD
PI 13+25.23
N 592,064.7768
E 2,577,614.0465
Δ 29° 03′ 05″ (LT)
D 38° 00′ 00″
R 150.78
L 76.45
T 39.07
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 100

CURVE NO. 4 LIFE STAR ROAD
PI 16+57.59
N 591,994.7792
E 2,577,298.8739
Δ 30° 50′ 08″ (RT)
D 38° 00′ 00″
R 150.78
L 81.15
T 41.58
SE 0.040 FT/FT
DESIGN SPEED 20 MPH
TRANS. LENGTH 1000



SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102000
STATE OF TENNESSEE

5/20/2024

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

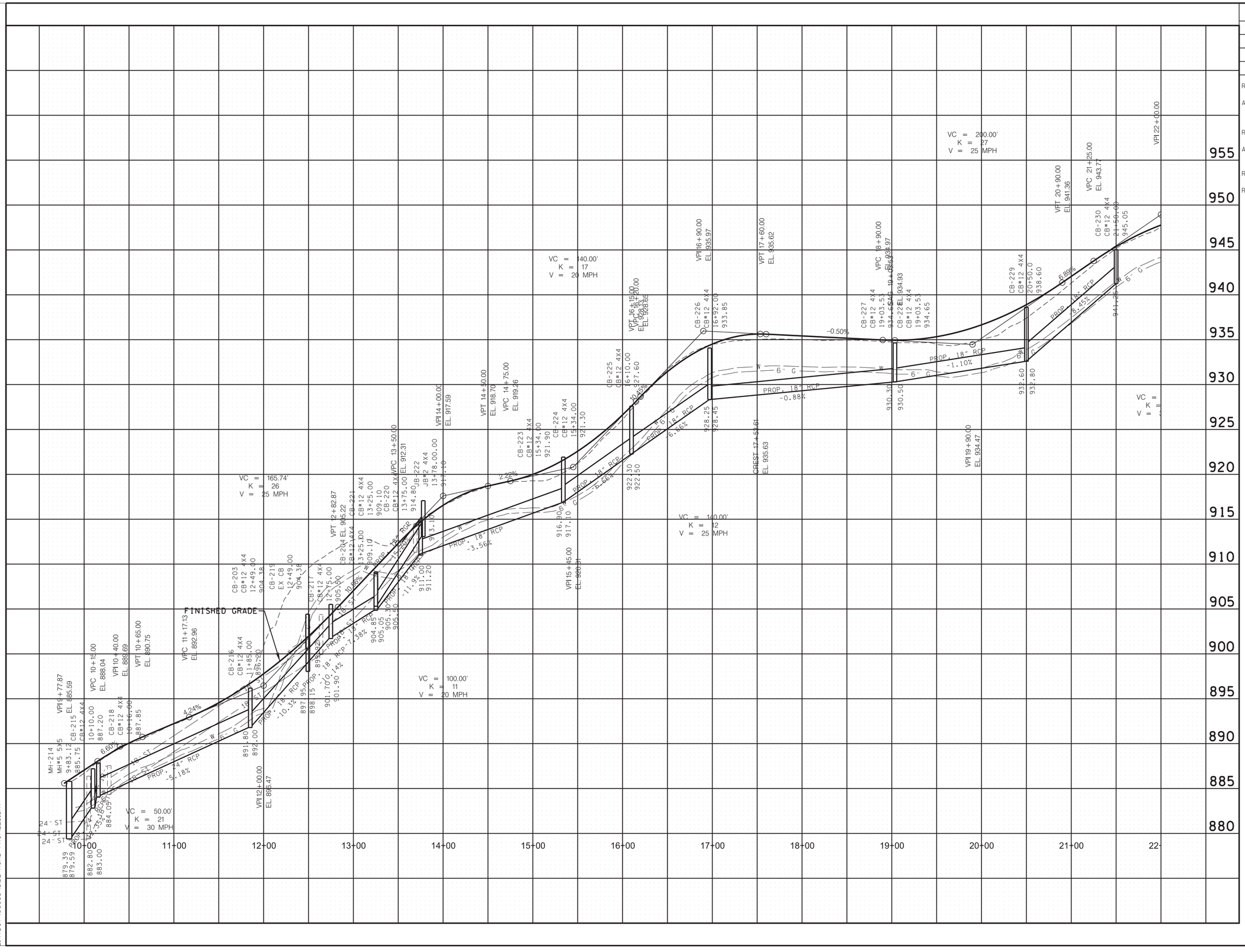
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 10+00 TO STA. 21+00
LIFE STAR ROAD

SCALE: 1″= 50′

5/17/2024 9:41:10 AM
L:\TDOT\00903\PROPOSED LAYOUTS.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13H
CONST.	2023	R-STP/NH-115(29)	13H

REVISION 6-3-21

ADDED SHEET TO PLANS.

REVISION 3-29-24

ADDED STR. NOS. 203 AND 204.

REVISION 5-20-24

REVISED STR. NO. 217.

SEALED BY

GREGORY A. OLSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCIAL
NO. 110101
STATE OF TENNESSEE

5/20/2024

LIFE STAR ROAD

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

5/17/2024 9:41:12 AM
L:\TDOT\00903\SIDE ROAD PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	13J
CONST.	2023	R-STP/NH-115(29)	13J

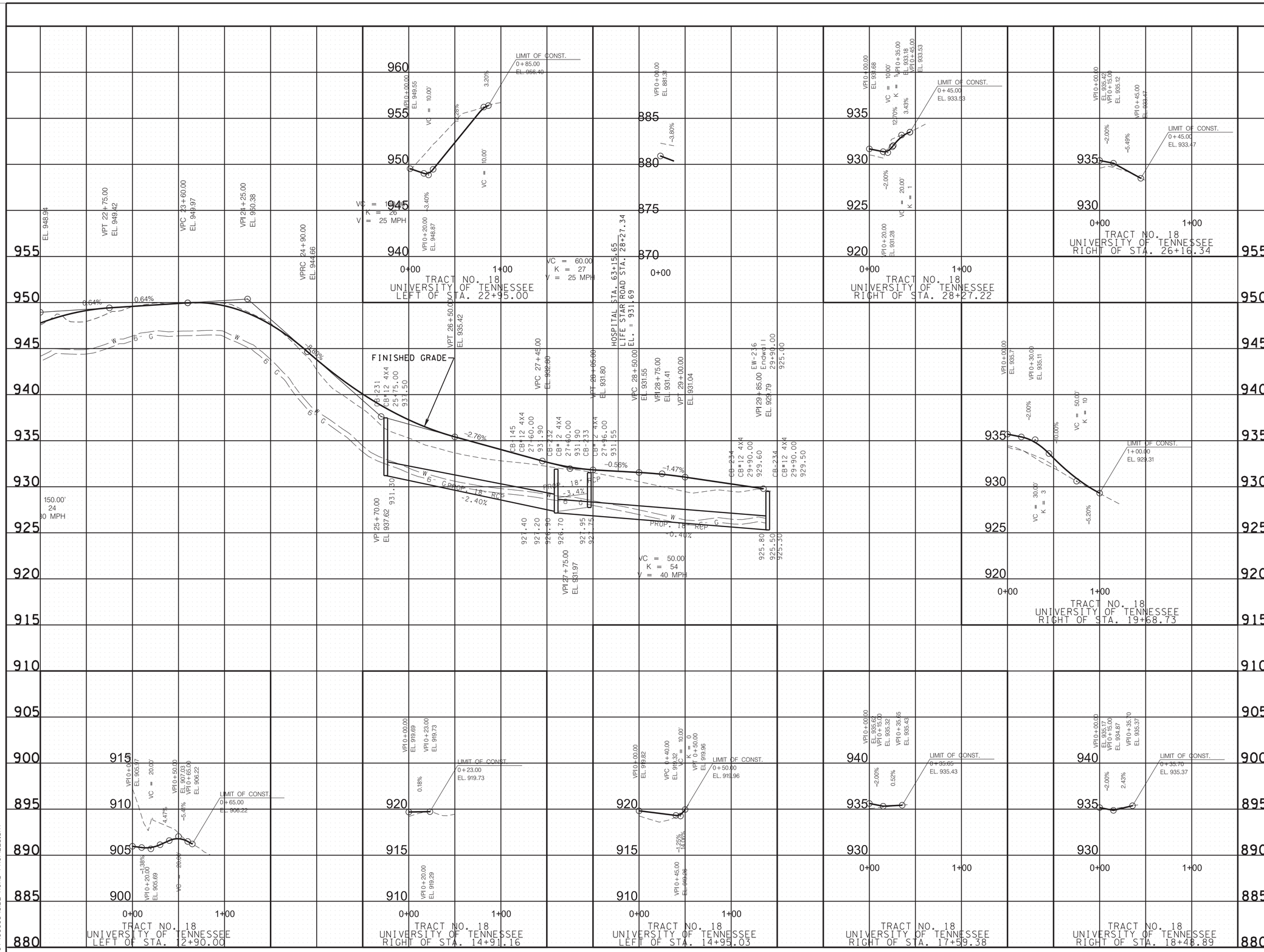
REVISION 6-3-21

ADDED SHEET TO PLANS.

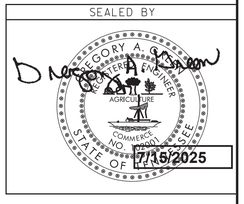
REVISION 5-20-24

ADDED STR. NO. 145.

REVISION 7-14-25



SEALED BY



7/15/2025

LIFE STAR ROAD

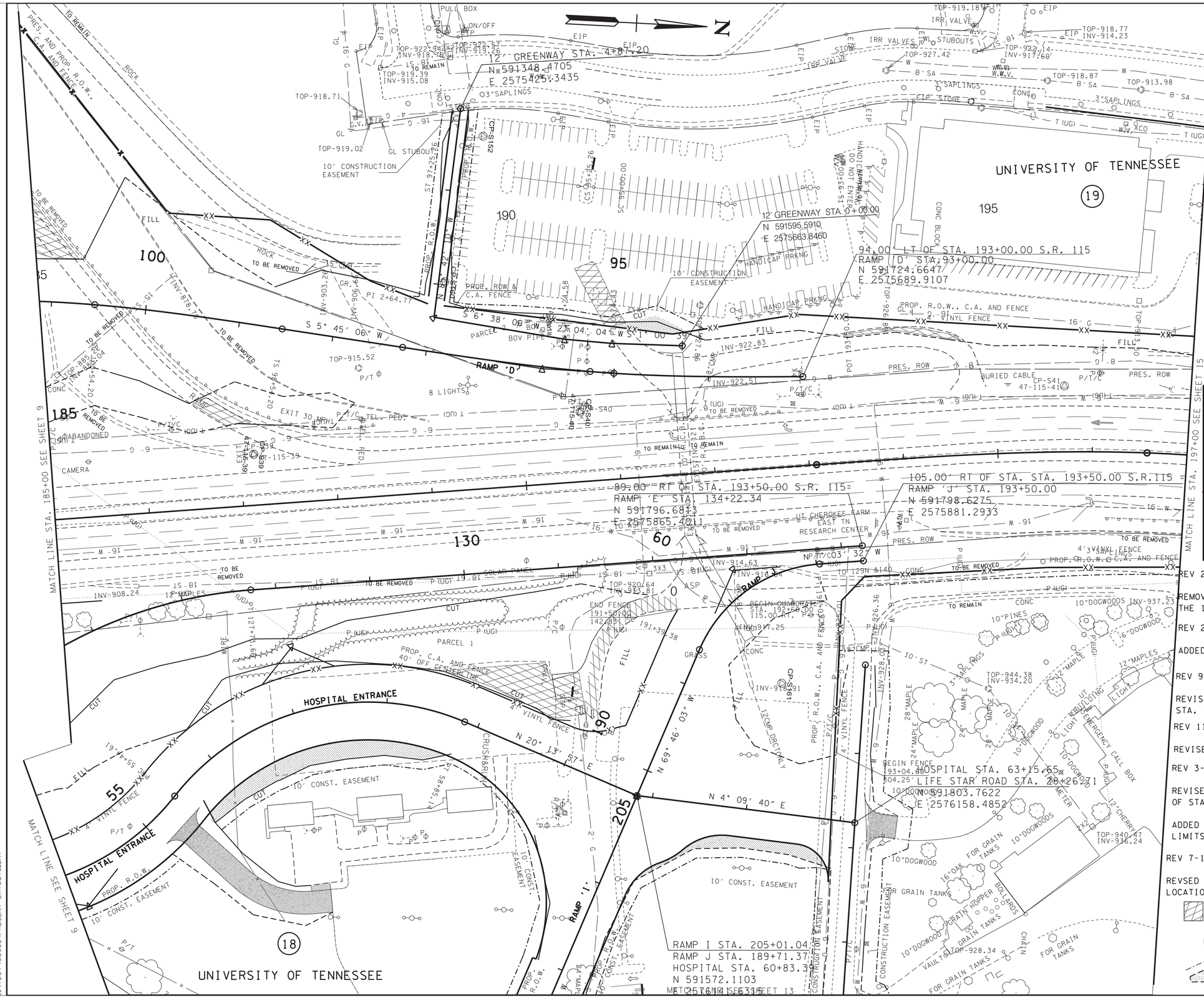
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

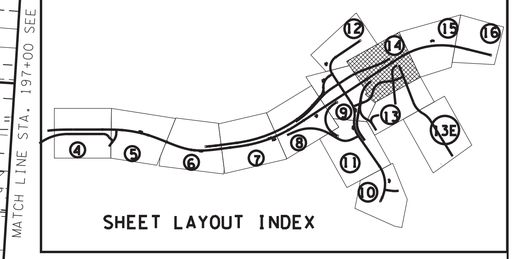
PROFILE OF SIDE ROADS AND DRIVEWAYS

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

7/15/2025 8:40:38 AM
E:\TDOT\00903\SIDE ROAD PROFILES.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	14
CONST.	2023	R-STP/NH-115(29)	14





REV 11-19-18

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18. ADDED DRIVEWAY TO PARKING LOT ON TRACT 18.

REV 09-16-19

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACTS 18 AND 19.

REV 12-07-20

REVISED PROPOSED R.O.W., SLOPE EASEMENT, AND CONSTRUCTION EASEMENT LINES OF TRACT 19.

REV 6-3-21

ADDED LIFE STAR ROAD ALONG WITH PROPOSED SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

DUE TO A HISTORY OF KARST ACTIVITY IN THE AREA ESPECIALLY AROUND WALL NO. 7, THE CONTRACTOR SHOULD EXPECT TO ENCOUNTER EXCAVATED MATERIAL THAT WILL NOT BE SUITABLE FOR PLACEMENT IN EMBANKMENTS AT OTHER LOCATIONS AND WILL NEED TO BE WASTED OFF SITE. THE COST OF THIS IS TO BE INCLUDED IN THE COST OF OTHER ITEMS AND WILL NOT BE PAID FOR DIRECTLY.

REV 2-6-23

REMOVED SLOPE EASEMENTS ALONG LIFE STAR ROAD AND REMOVED THE 15' LABEL FROM THE CONSTRUCTION EASEMENT FOR TRACT 18

REV 2-17-23

ADDED MATCHLINE SEE SHEET 13.

REV 9-11-23

REVISED LOCATION OF EXISTING 16" WATERLINE FROM STA. 161+00 TO STA. 191+00.

REV 11-22-23

REVISED ALIGNMENT FOR RAMP 'E'

REV 3-29-24

REVISED SLOPE LIMIT FROM LEFT OF STA. 186+00 TO STA. 192+00.

ADDED ALIGNMENT AND SLOPE LIMITS TO THE 12' GREENWAY

REV 7-14-25

REVSED PROPOSED BOX CULVERT LOCATION.

SCARIFY, OBLITERATE, TOP SOIL & SEED

LEGEND

CONST. ESMT

SLOPE ESMT

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

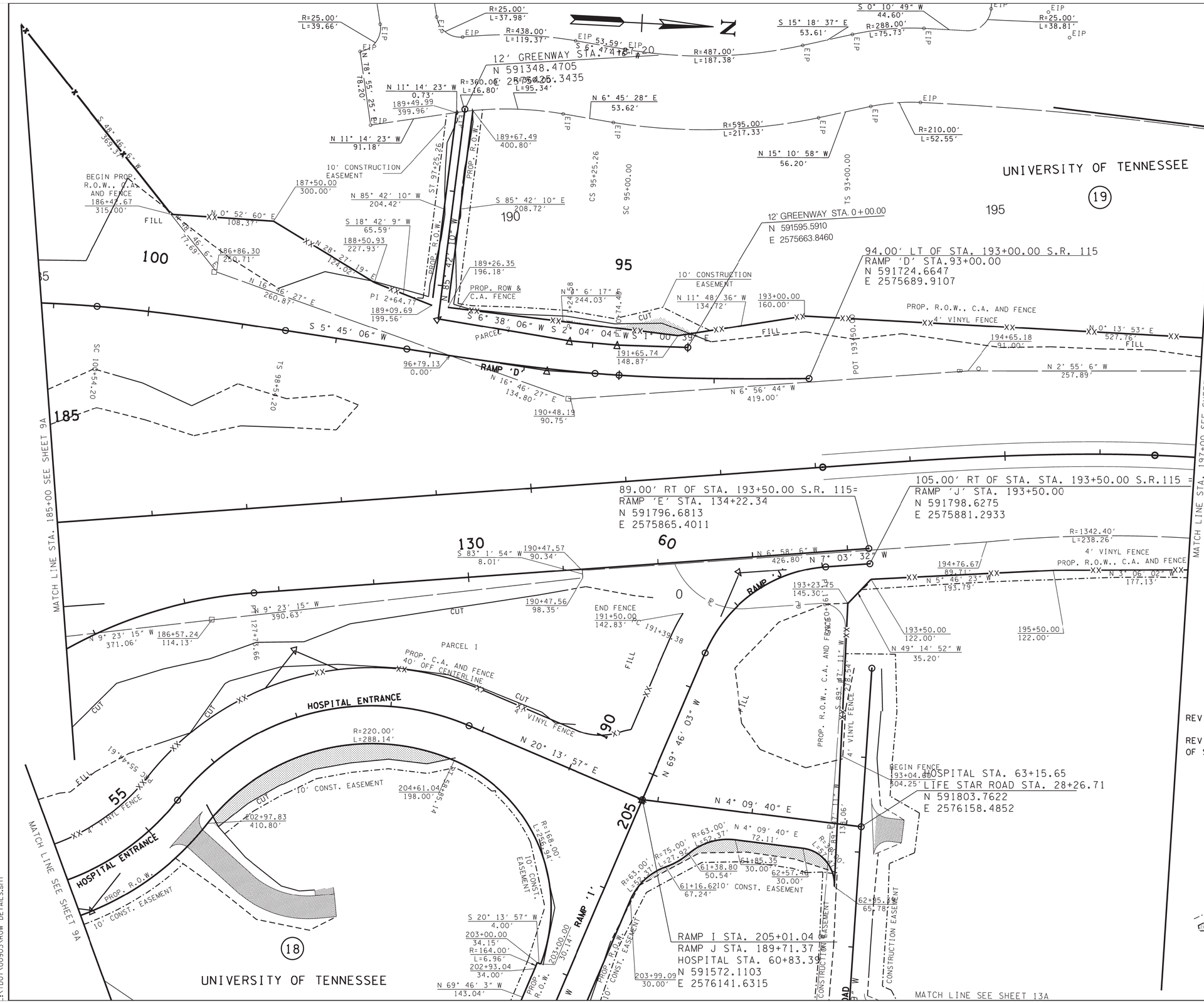
PRESENT LAYOUT

STA. 185+00 TO STA. 197+00

SCALE: 1"= 50'

7/15/2025 8:40:42 AM
L:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	14A
CONST.	2023	R-STP/NH-115(29)	14A



REV 11-19-18

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18. ADDED DRIVEWAY TO PARKING LOT ON TRACT 18.

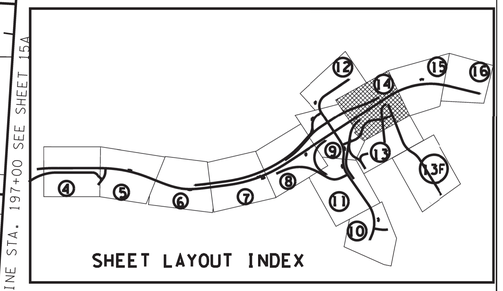
REV 09-16-19

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACTS 18 AND 19.

REV 12-07-20
REVISED PROPOSED R.O.W., SLOPE EASEMENT, AND CONSTRUCTION EASEMENT LINES ON TRACT 19.

REV 6-3-21

ADDED LIFE STAR ROAD ALONG WITH PROPOSED SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.



REV 2-6-23

REMOVED SLOPE EASEMENTS ALONG LIFE STAR ROAD AND REMOVED THE 15' LABEL FROM THE CONSTRUCTION EASEMENT FOR TRACT 18.

REV 2-17-23

ADDED MATCHLINE SEE SHEET 13A.

REV 11-22-23

REVISED ALIGNMENT FOR RAMP 'E'.

REV 3-29-24

REVISED SLOPE LIMIT FROM LEFT OF STA. 186+00 TO STA. 192+00.

SEALED BY

GREGORY A. GRAY
REGISTERED ENGINEER
AGRICULTURE COMMERCE
NO. 102001
STATE OF TENNESSEE

3/27/2024

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

LEGEND

CONST. ESMT

SLOPE ESMT

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

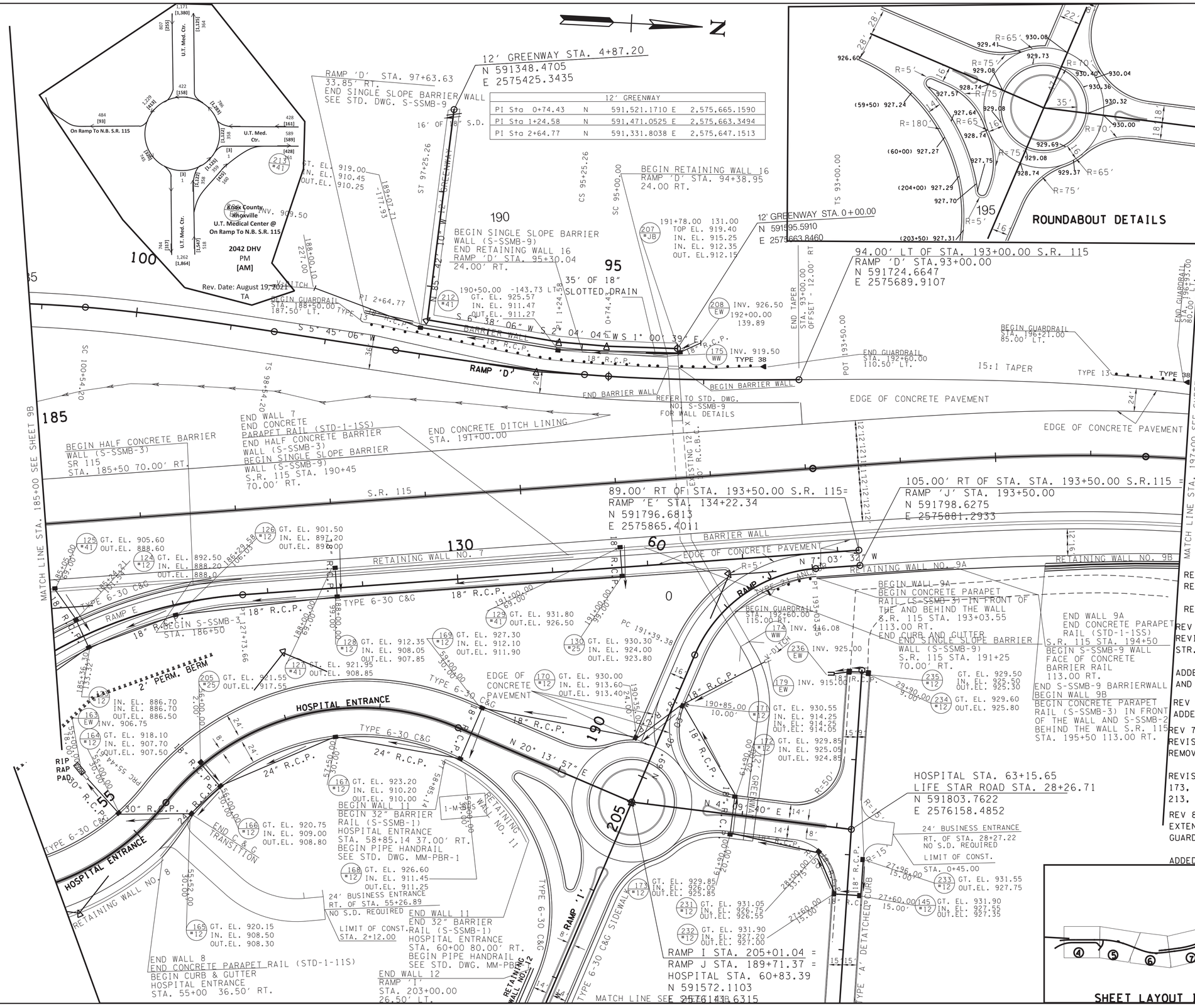
RIGHT-OF-WAY DETAILS

STA. 185+00 TO STA. 197+00

SCALE: 1"= 50'

3/27/2024 9:04:38 AM
:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	14B
CONST.	2023	R-STP/NH-115(29)	14B



REV 11-19-18
ADDED PROPOSED RETAINING WALLS NO. 8 AND NO. 9.
ADDED DRIVEWAY TO PARKING LOT ON TRACT NO. 18.
REVISED LOCATION OF STRUCTURE 175.

REV 09-16-19
ADDED PROPOSED RETAINING WALL NO. 14

REV 12-07-20
REVISED GREENWAY

REVISED DRAINAGE STRUCTURES NOS. 175, 206, 207, AND 208.

ADDED DRAINAGE STRUCTURES 209 AND 210.

REV 6-3-21
ADDED LIFE STAR ROAD ALONG WITH DRAINAGE.

REV 2-17-23
ADDED MATCHLINE SEE SHEET 13B.

REVISED GUARDRAIL RIGHT OF RAMP 'D'.

ADDED GUARDRAIL BEHIND WALL 9B.

REVISED END WALL STATION AND END S-SSMB-3 BARRIER WALL TO STA. 190+45.

REVISED LABEL ON THE GRAVITY WALL FROM GRAVITY WALL TO SINGLE SLOPE BARRIER WALL.

END OF WALL 9A AND BEGINNING OF WALL 9B STATION CHANGED TO 195+75 AND CHANGED OFFSET TO 121.00.

REVISED STATIONS AND OFFSET OF WALL 16 TO BE OFF OF RAMP 'D'.

CHANGED OFFSET FOR END WALL 12 TO 26.50 FEET.

REV 9-11-23
ADDED ELEVATIONS TO ROUNDABOUT DETAIL.

REV 11-22-23
REVISED ALIGNMENT FOR RAMP 'E'.

REVISED LIMITS OF CONCRETE PAVEMENT.

REV 3-29-24
REVISED STATION AND/OR OFFSET FOR STR. NO. 127, 129, 175, 179 AND 206.

ADDED ALIGNMENT WITH PI COOR. AND SIDE DRAIN TO 12' GREENWAY

REV 5-20-24
ADDED STR. NO. 145.

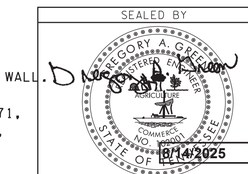
REV 7-14-25
REVISED WALLS 9A AND 9B AND REMOVED GUARDRAIL BEHIND THE WALL.

REVISED STR. NOS. 145, 164-171, 173, 174, 179, 206, 207, 212, 213, 231, 232, 233 AND 235.

REV 8-14-25
EXTENDED BARRIER WALL AND GUARDRAIL LEFT OF STA. 188+50.00.

ADDED HANDRAIL ON TOP OF WALL 11.

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

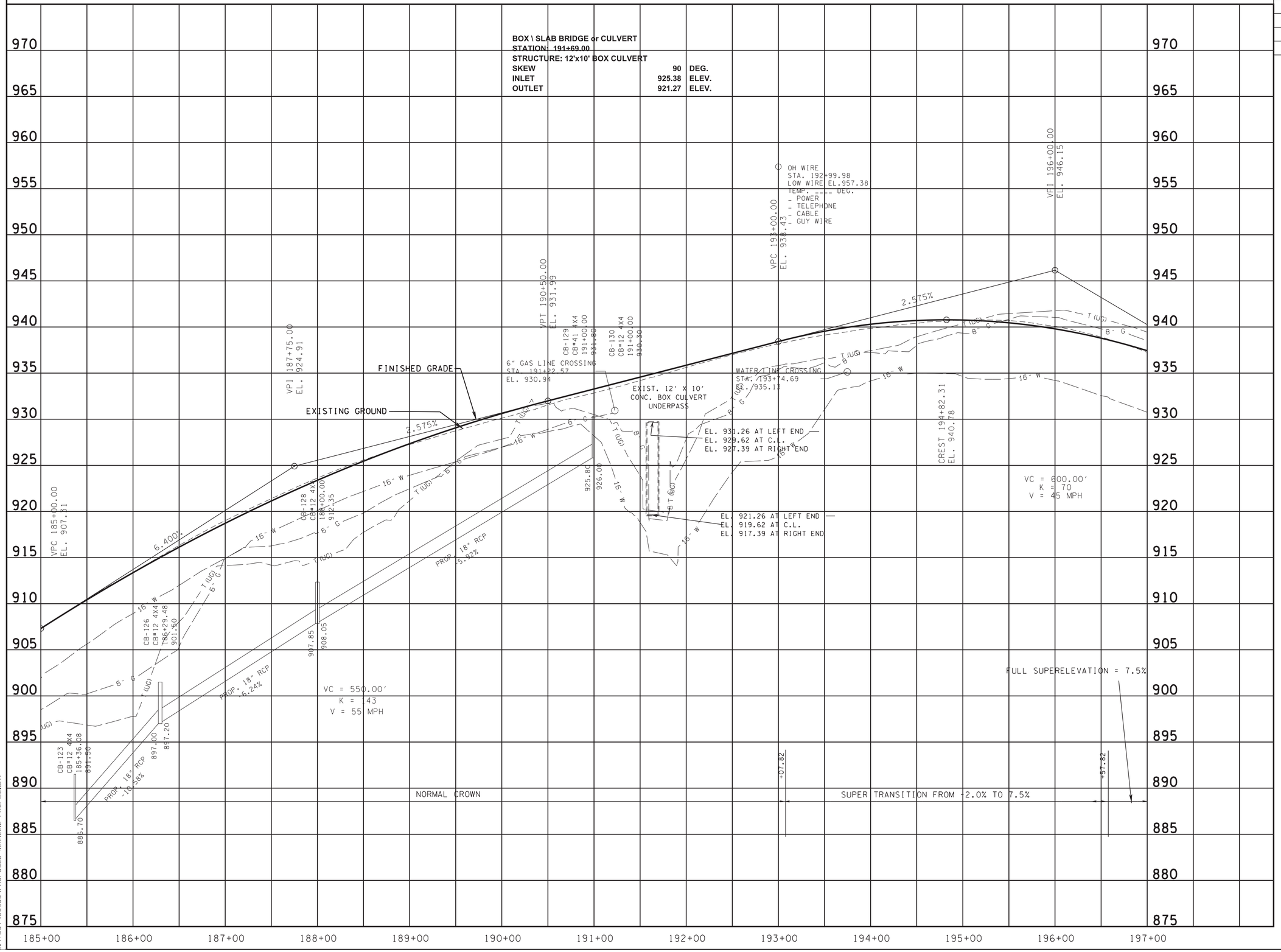
PROPOSED LAYOUT

STA. 185+00 TO STA. 197+00

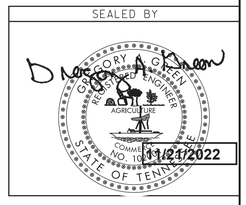
SCALE: 1"= 50'

8/14/2025 2:44:17 PM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	14C
CONST.	2023	R-STP/NH-115(29)	14C



SEALED BY



11/21/2022

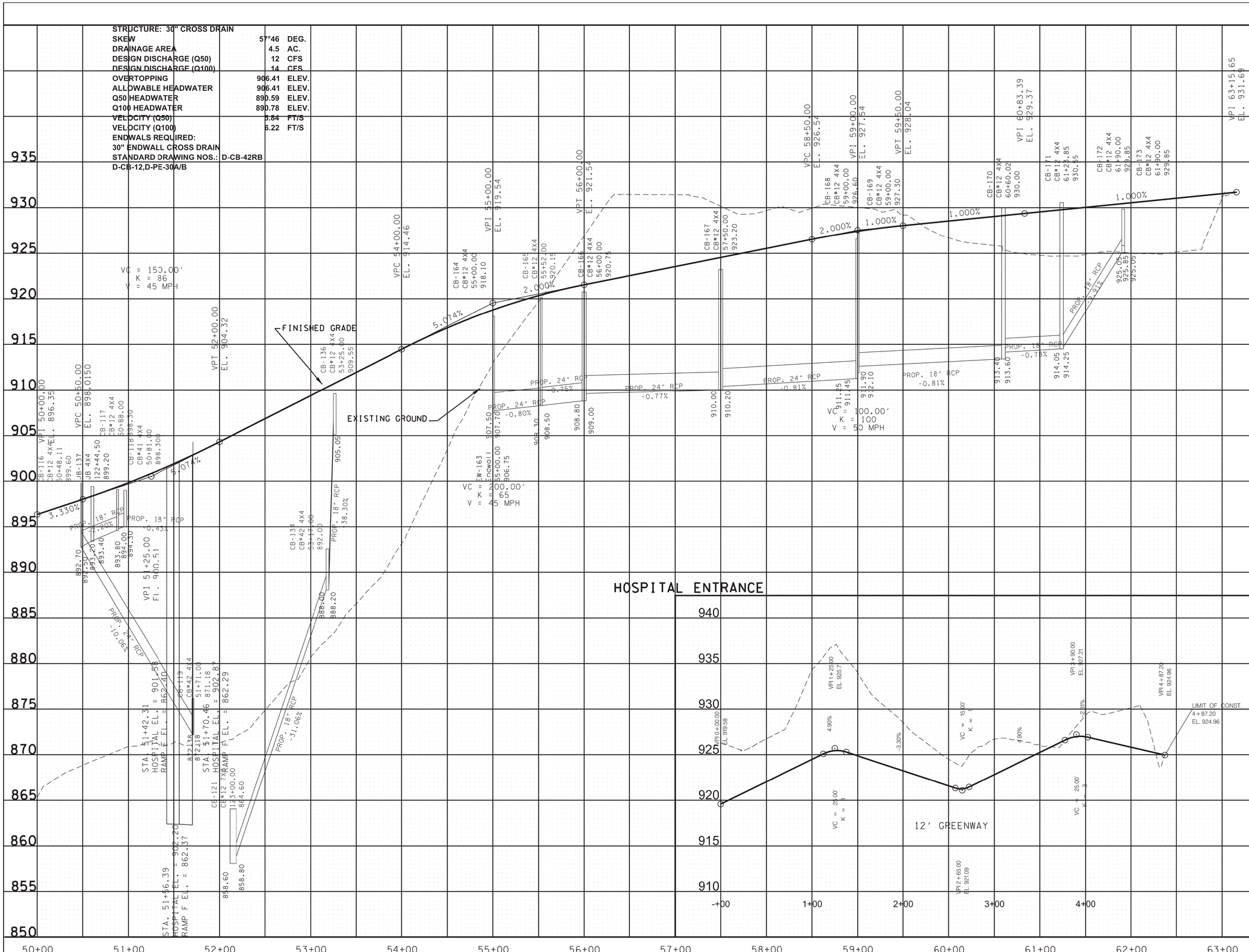
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 185+00 TO STA. 197+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

1/18/2022 2:36:34 PM
L:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	14D
CONST.	2023	R-STP/NH-115(29)	14D



REVISION 3-29-24

ADDED 12' GREENWAY PROFILE.
REVISED STR. NOS. 115, 116 AND 119.

REVISION 5-20-24

REVISED STR. NOS. 135 AND 136.
ADDED STR. NO. 137.

REVISION 7-17-24

REVISED STR-134. ADDED PIPE BETWEEN STR-134 AND STR-121.

REVISION 7-14-25

REVISED STR-164 THRU STR-171 AND 173.

REVISION 8-14-25

ADDED VERTICAL CURVES TO 12' GREENWAY PROFILE.

SEALED BY

GREGORY A. GRAY
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

8/14/2025

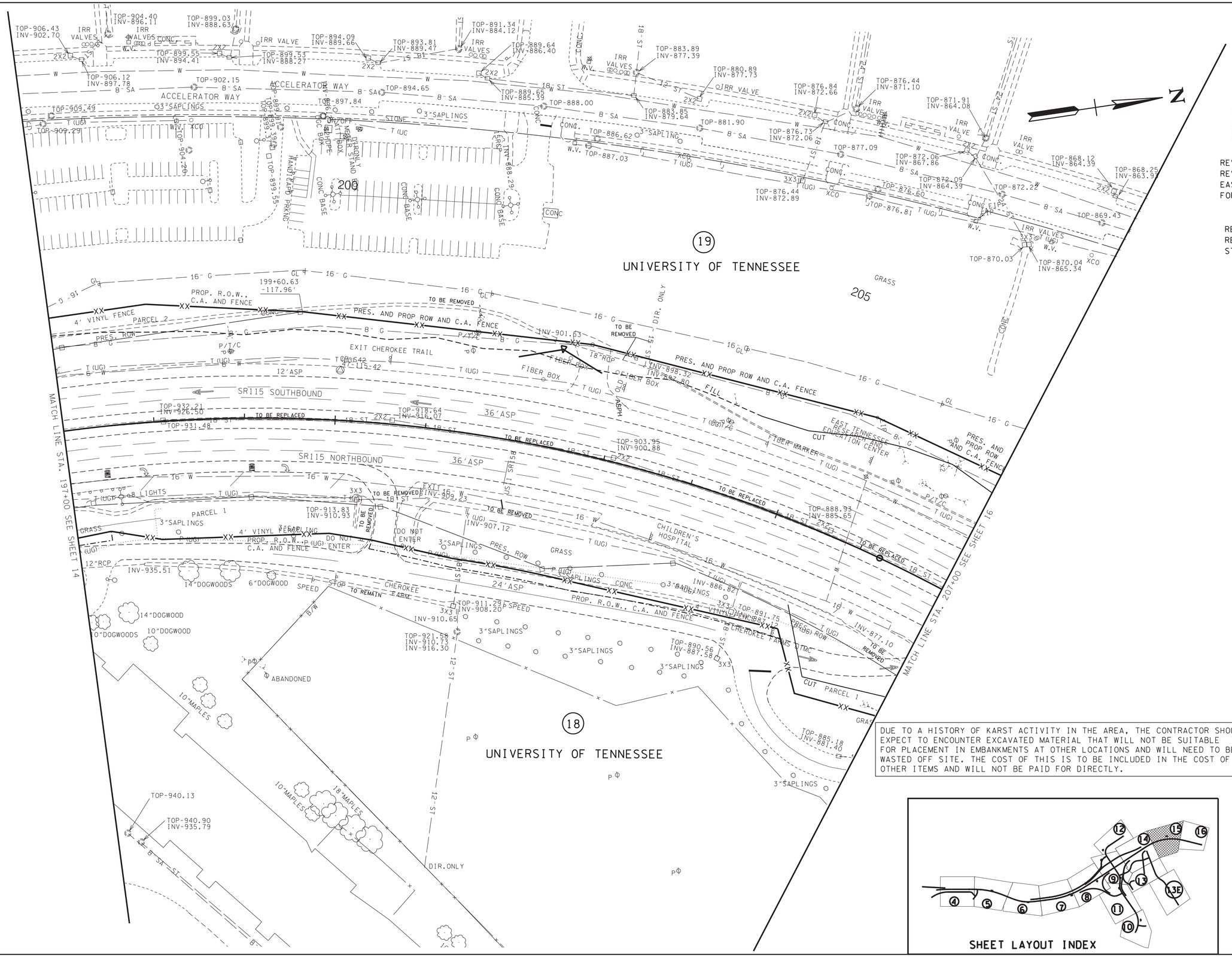
HOSPITAL ENTRANCE AND 12' GREENWAY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	15
CONST.	2023	R-STP/NH-115(29)	15



REV 11-19-18

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 09-16-19

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACTS 18 AND 19.

REV 8-14-25

REMOVED SLOPE LIMITS RIGHT OF STA. 197+50 TO STA. 205+50.

DUE TO A HISTORY OF KARST ACTIVITY IN THE AREA, THE CONTRACTOR SHOULD EXPECT TO ENCOUNTER EXCAVATED MATERIAL THAT WILL NOT BE SUITABLE FOR PLACEMENT IN EMBANKMENTS AT OTHER LOCATIONS AND WILL NEED TO BE WASTED OFF SITE. THE COST OF THIS IS TO BE INCLUDED IN THE COST OF OTHER ITEMS AND WILL NOT BE PAID FOR DIRECTLY.

SEALED BY

GREGORY A. GRAY
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102[illegible]
STATE OF TENNESSEE

8/14/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

STA. 197+00 TO STA. 207+00

SCALE: 1"= 50'

8/14/2025 2:44:26 PM
L:\TDOT\00903\PRESENT_LAYOUTS.sht

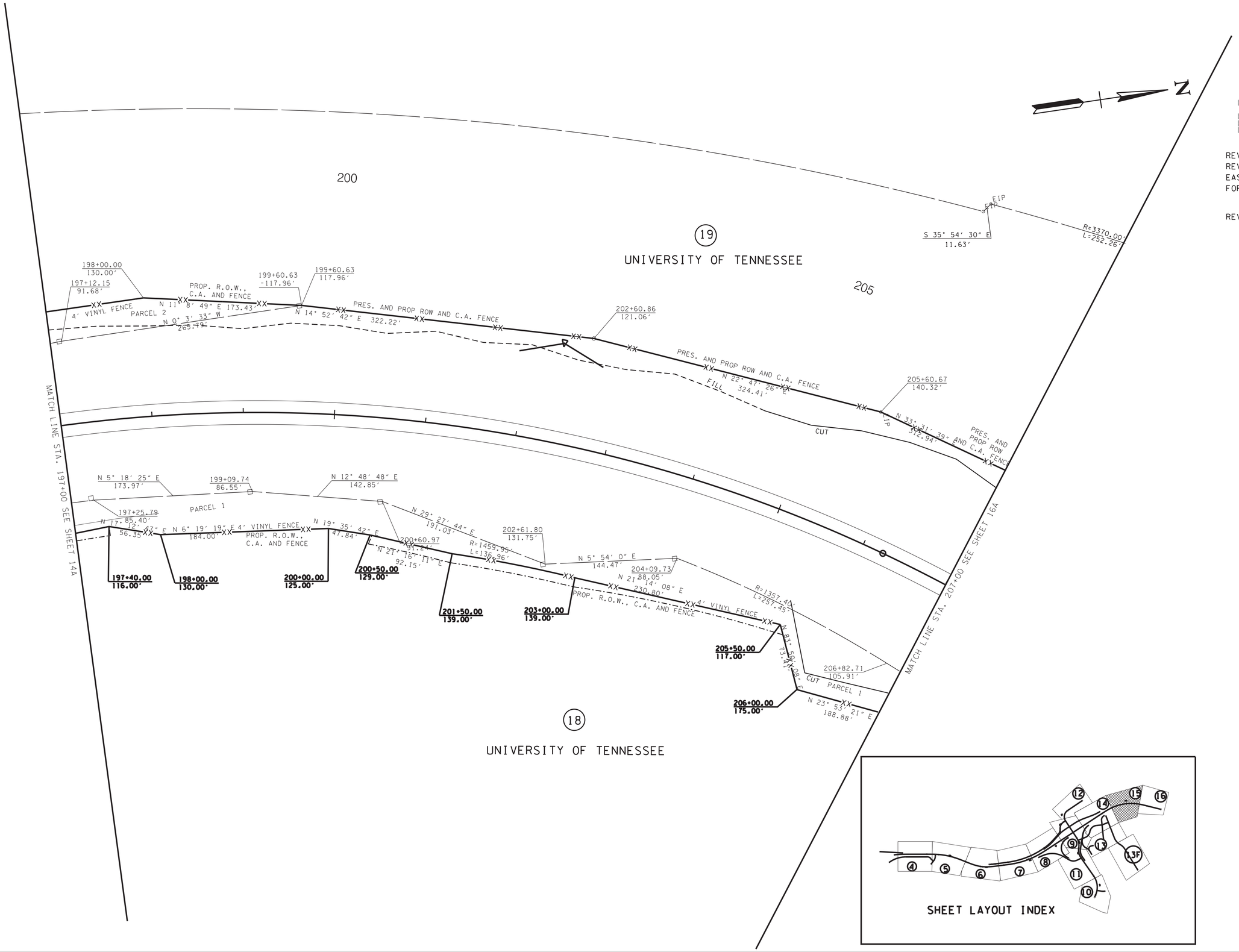
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	15A
CONST.	2023	R-STP/NH-115(29)	15A

REV 11-19-18

REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 18.

REV 09-16-19
REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACTS 18 AND 19.

REV 8-14-25



SEALED BY

GREGORY A. GRANDSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 109001
STATE OF TENNESSEE

8/14/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

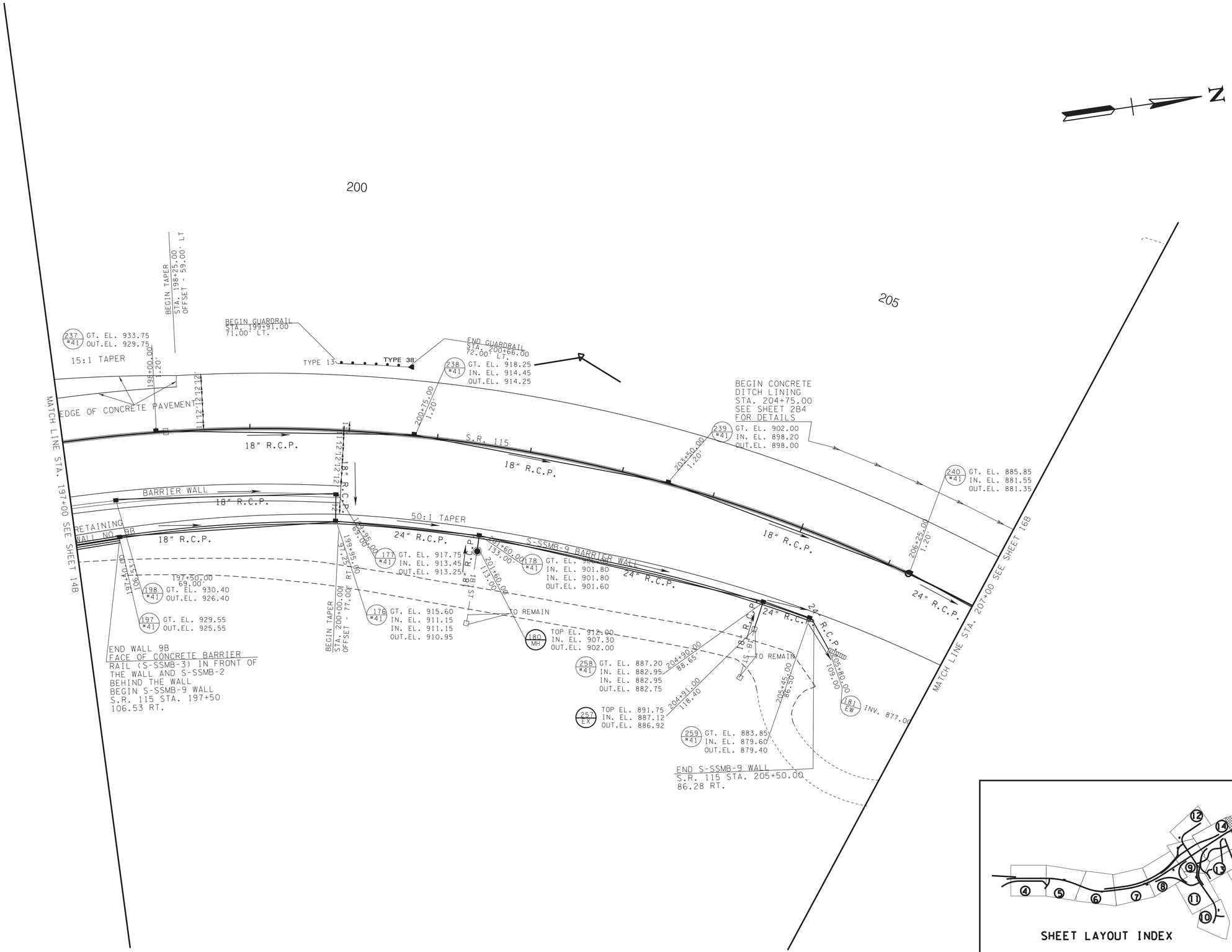
RIGHT-OF-WAY DETAILS

STA. 197+00 TO STA. 207+00

SCALE: 1"= 50'

8/14/2025 2:44:28 PM
L:\TDOT\00903\ROW DETAILS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	15B
CONST.	2023	R-STP/NH-115(29)	15B



REV 11-19-18

ADDED PROPOSED RETAINING WALLS NO. 9 AND NO. 10.

REV 2-17-23

ADDED GUARDRAIL BEHIND WALLS 9B AND 10.

REMOVED THE LABEL FOR CONCRETE PARAPET RAIL ON THE END CALLOUT OF WALL 9B.

REV 11-22-23

REVISED LIMITS OF CONCRETE PAVEMENT.

REV 3-29-24

REVISED STATION AND/OR OFFSET FOR STR. NO. 181.

REV 5-20-24

REVISED STR. NOS. 176 AND 177.

REV 7-14-25

REVISED WALL 9B AND REMOVED GUARDRAIL BEHIND THE WALL.

REV 8-14-25

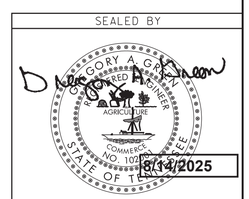
REPLACED WALL 10 WITH S-SSMB-9 WALL.

REMOVED GUARDRAIL BEHIND OLD WALL 10.

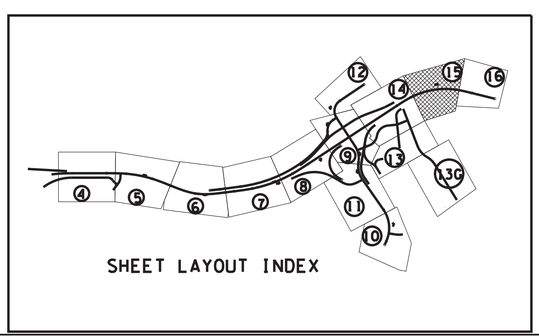
REVISED STR NOS. 176, 178, 180, 181 AND 197.

ADDED STR. NOS. 257, 258 AND 259.

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.



STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 197+00 TO STA. 207+00

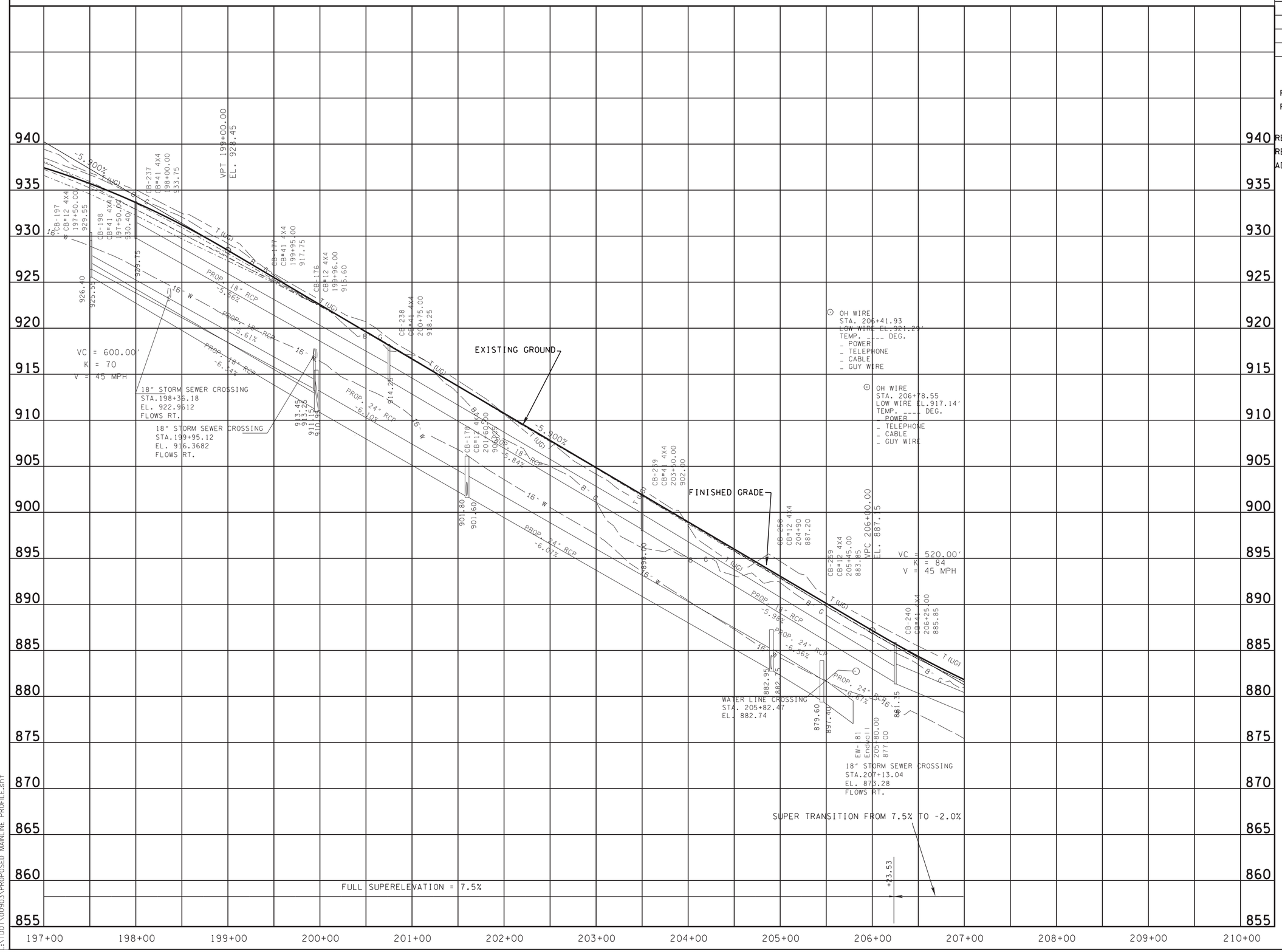
SCALE: 1"= 50'

8/14/2025 2:44:29 PM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

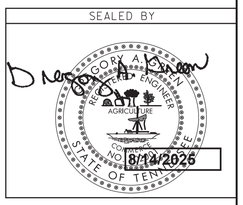
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	15C
CONST.	2023	R-STP/NH-115(29)	15C

REV. 5-20-24
REVISED STR. NOS. 177 AND 178.

REV. 8-14-25
REVISED STR. NOS. 177, 178 AND 181
ADDED STR. NOS. 258 AND 259



SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

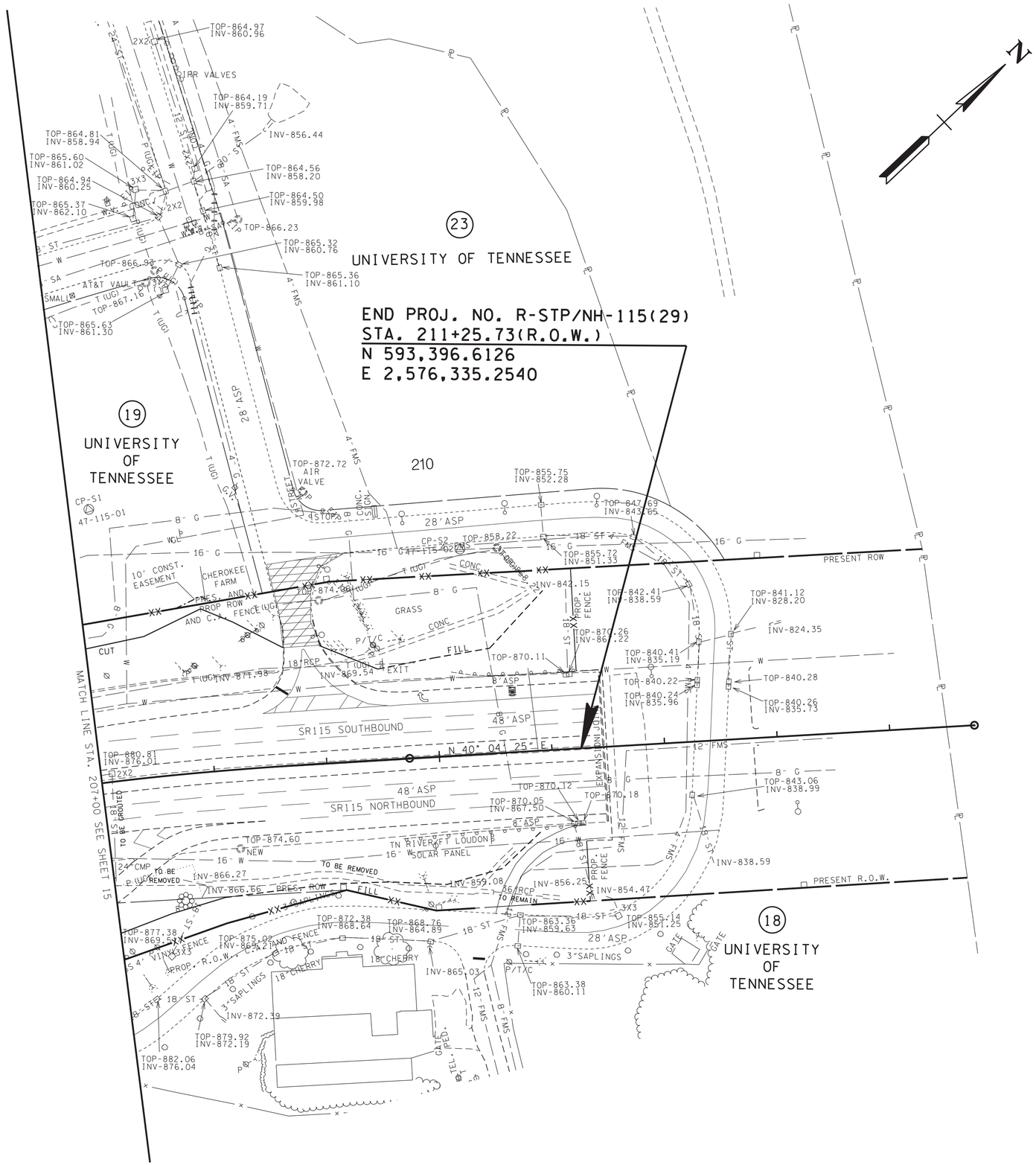
PROFILE

STA. 197+00 TO STA. 207+00
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

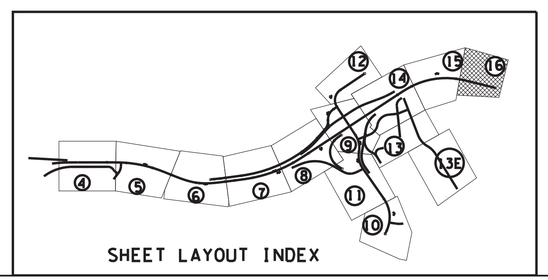
8/14/2025 2:44:30 PM
L:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	16
CONST.	2023	R-STP/NH-115(29)	16

REV 09-16-19
REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 19.



SCARIFY, OBLITERATE, TOP SOIL & SEED



SHEET LAYOUT INDEX

SEALED BY

REGORY A. GREENWOOD
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102001
STATE OF TENNESSEE

11/21/2022

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

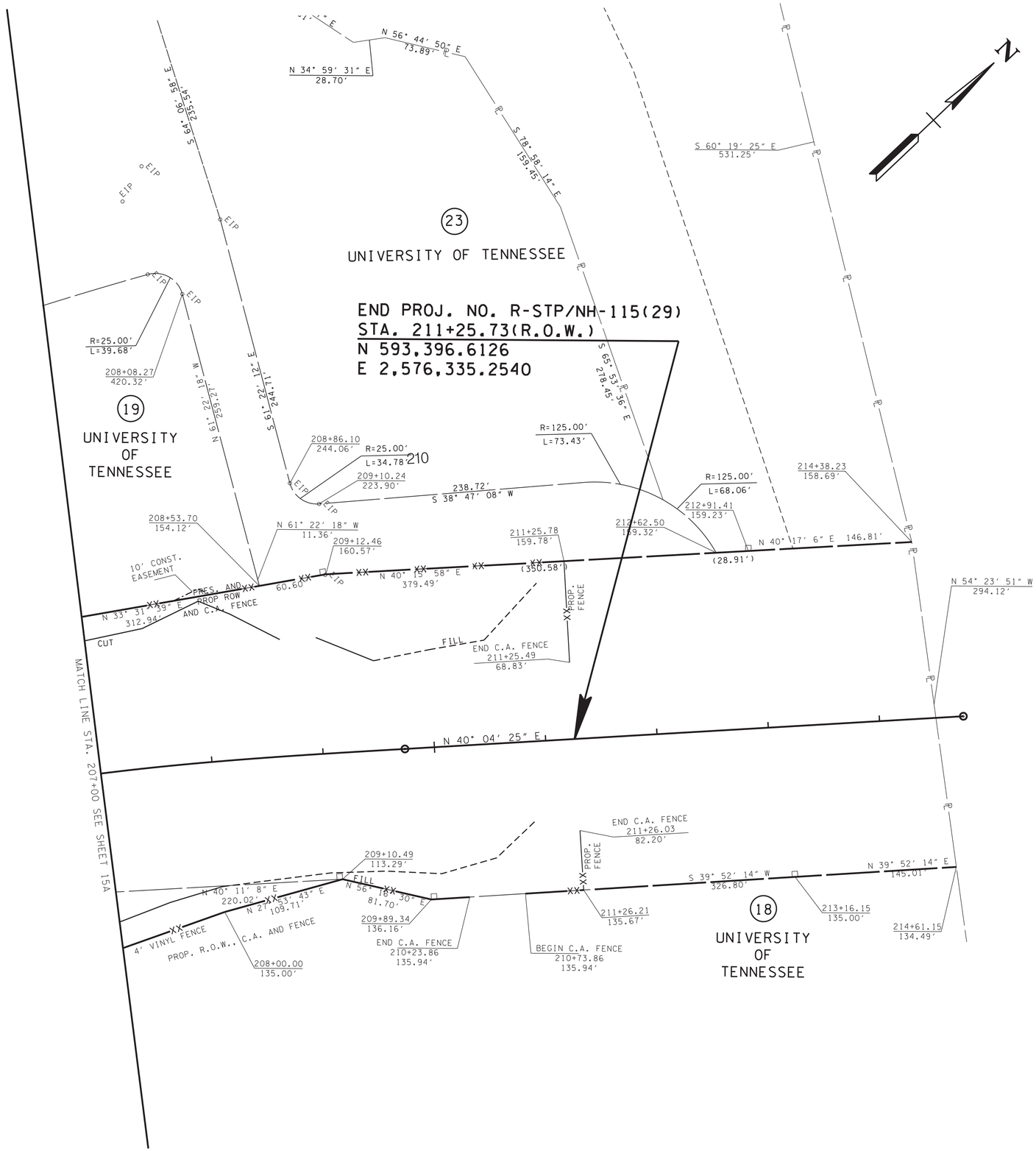
STA. 207+00 TO STA. 215+00

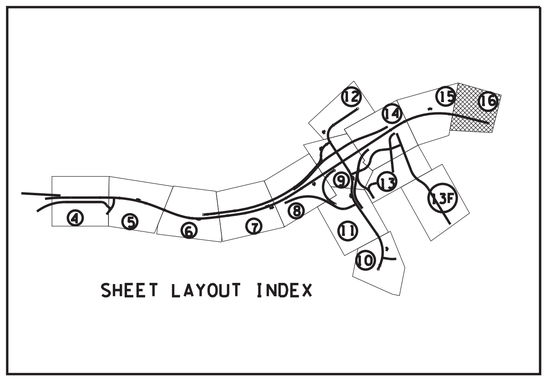
SCALE: 1"= 50'

11/18/2022 2:36:45 PM
:\TDOT\00903\PRESENT LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	16A
CONST.	2023	R-STP/NH-115(29)	16A

REV 09-16-19
REVISED PROPOSED RIGHT OF WAY, SLOPE EASEMENT AND CONSTRUCTION EASEMENT FOR TRACT 19.





SEALED BY

GREGORY A. GRAY
REGISTERED ENGINEER
AGRICULTURE COMMERCE
NO. 100831
STATE OF TENNESSEE
11/21/2022

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY DETAILS

STA. 207+00 TO STA. 215+00

SCALE: 1"= 50'

11/18/2022 2:36:46 PM
:\TDOT\0903\ROW DETAILS.sht

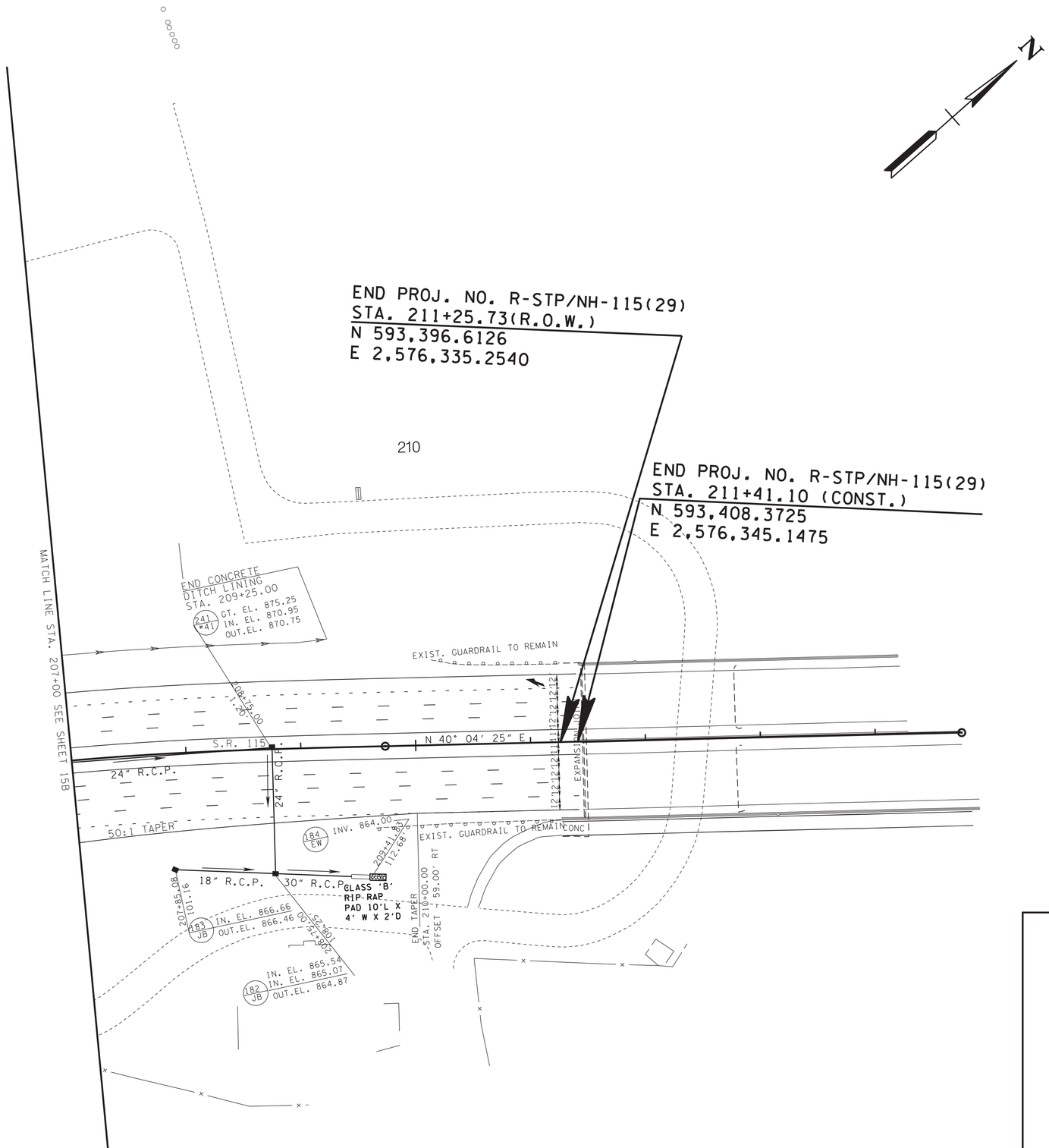
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	16B
CONST.	2023	R-STP/NH-115(29)	16B

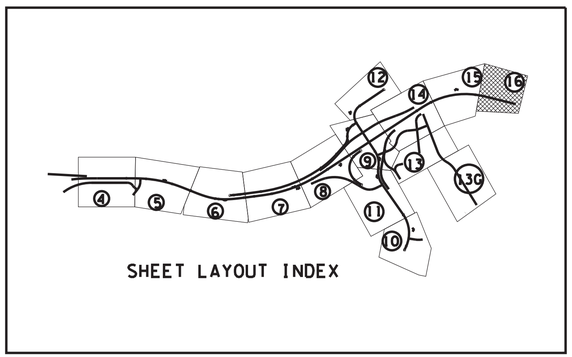
REV 2-17-23

REMOVE EXISTING PAVEMENT LEFT OF STA. 211+00.

REV 11-22-23

REVISED LIMITS OF CONCRETE PAVEMENT.





SEALED BY

GREGORY A. GRANOM
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 102
STATE OF TENNESSEE

11/21/2023

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 1 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

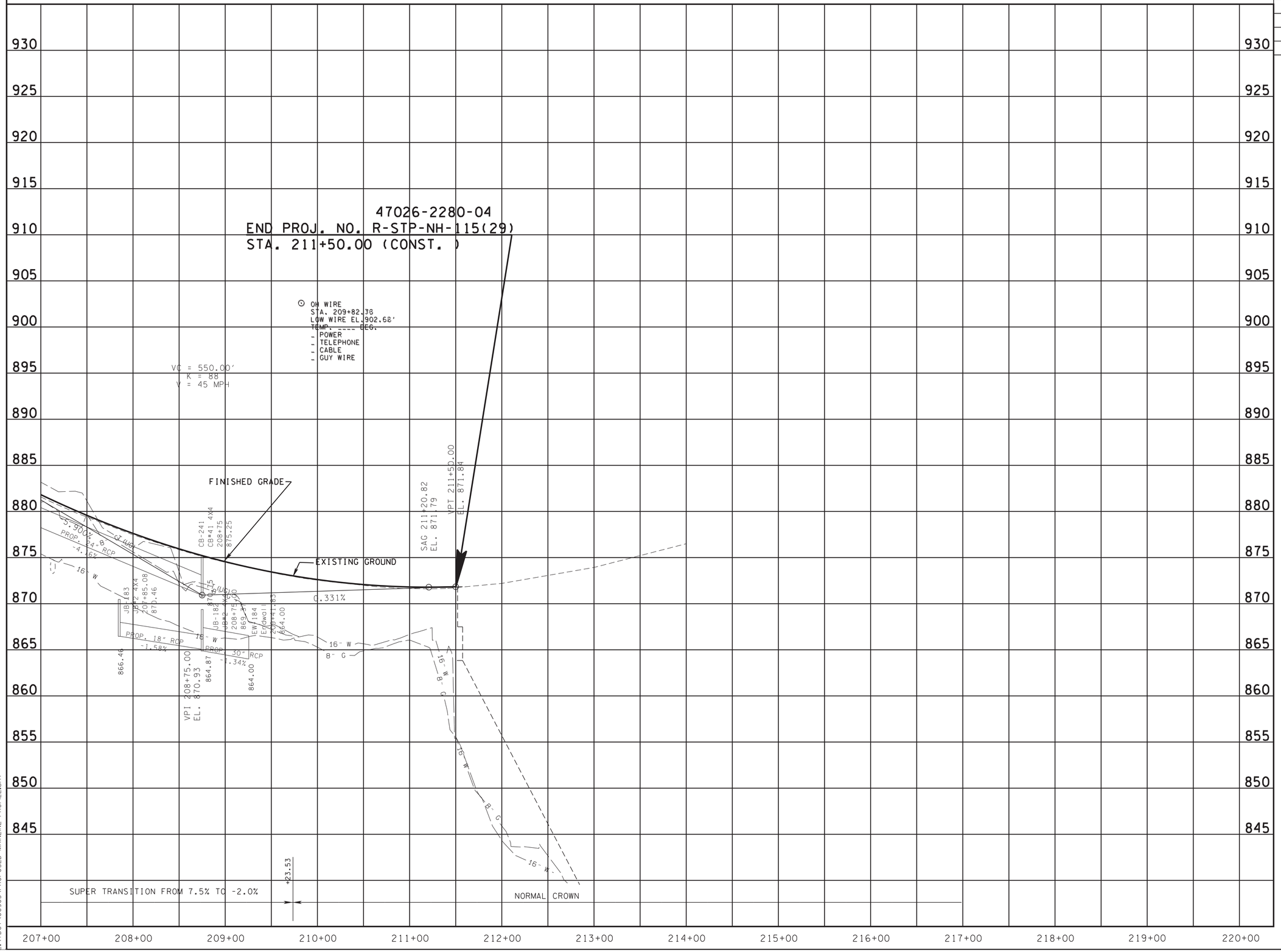
PROPOSED LAYOUT

STA. 207+00 TO STA. 215+00

SCALE: 1"= 50'

11/21/2023 2:32:39 PM
L:\TDOT\00903\PROPOSED LAYOUTS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	16C
CONST.	2023	R-STP/NH-115(29)	16C



SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCIAL
NO. 111111
STATE OF TENNESSEE

11/21/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE

STA. 207+00 TO STA. 215+00

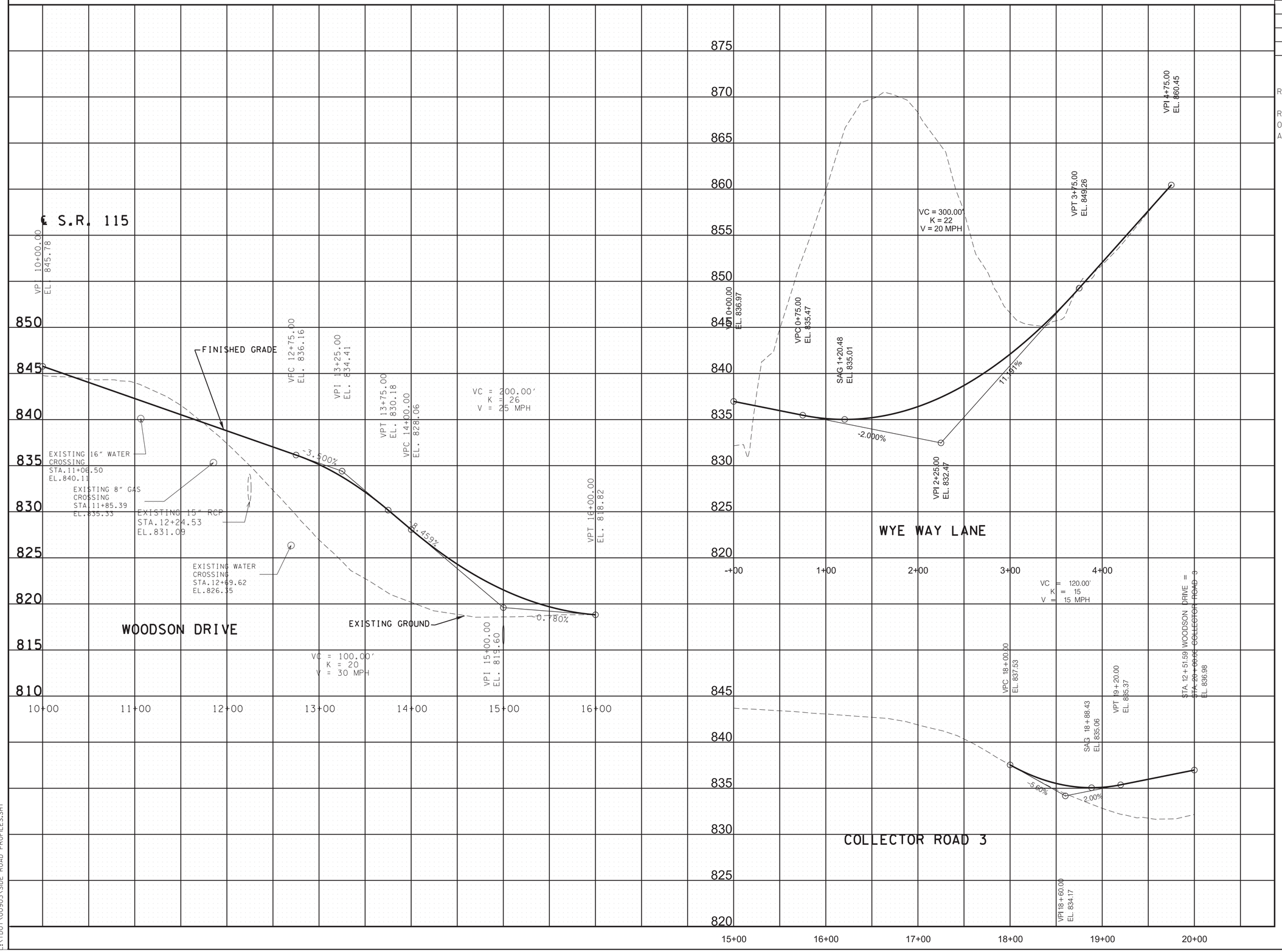
SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

11/8/2022 2:36:56 PM
L:\TDOT\00903\PROPOSED MAINLINE PROFILE.sht

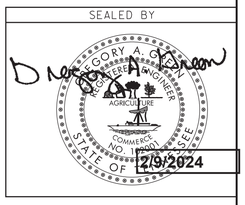
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	17
CONST.	2023	R-STP/NH-115(29)	17

REVISION 2-9-24

REVISED EXISITNG GROUND LINE ON WOODSON DRIVE, WYE WAY LANE AND COLLECTOR ROAD 3.



SEALED BY



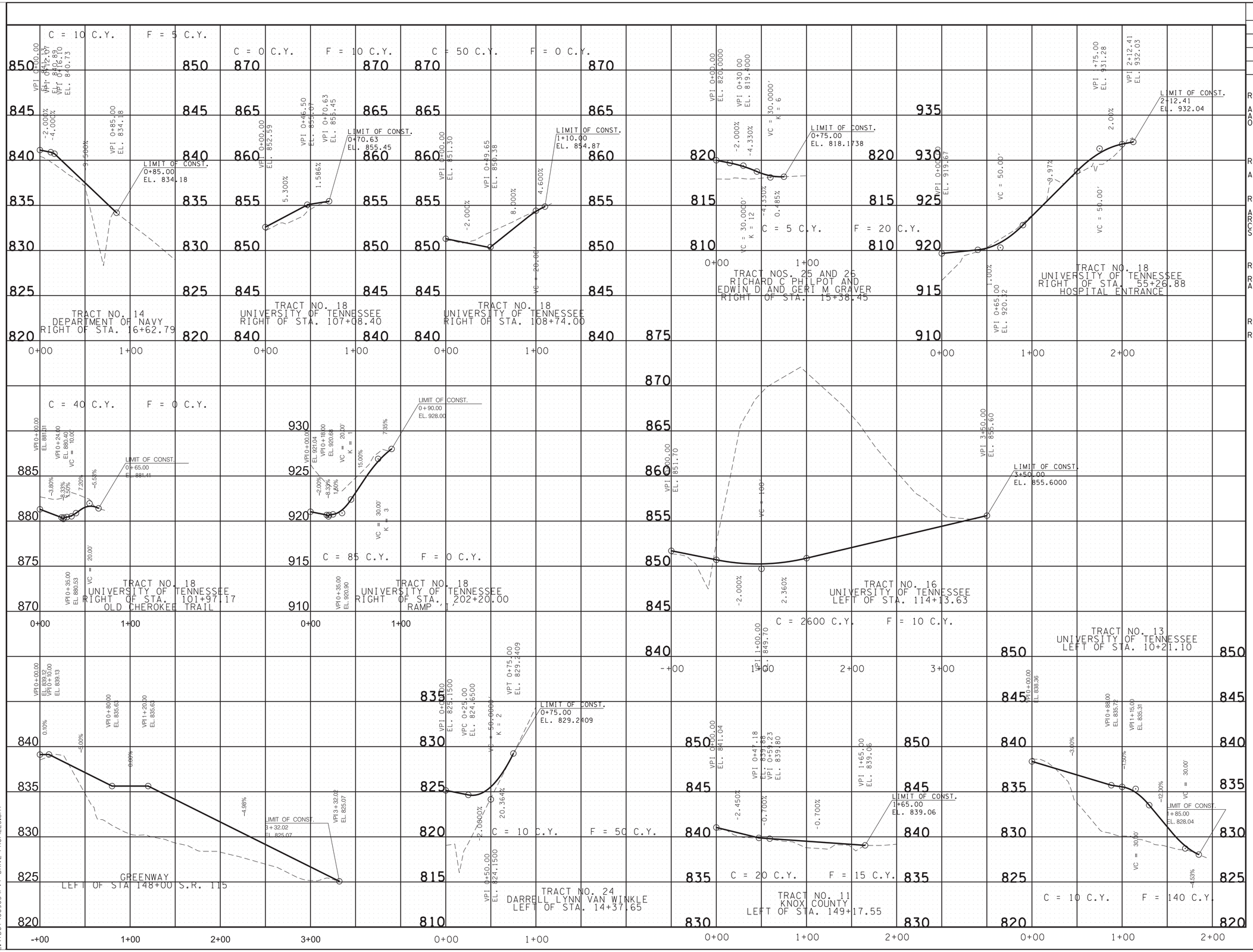
WOODSON DRIVE
COLLECTOR ROAD 3
WYE WAY LANE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF SIDE ROADS AND STREETS

SCALE: 1"= 50' HORIZ.
1"= 5' VERT.

2/8/2024 4:52:04 PM
L:\TDOT\00903\SIDE ROAD PROFILES.SHT



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	18
CONST.	2023	R-STP/NH-115(29)	18

REV 9-27-18

ADDED DRIVEWAYS TO TRACT NOS. 24, 25 AND 26. REVISED OWNERS NAME ON TRACT 14.

REV 11-19-18

ADDED DRIVEWAYS TO TRACT NO. 18

REV 4-12-23

ADDED DRIVEWAYS TO TRACT NO. 18, RIGHT OF STA. 101+97.17 ON OLD CHEROKEE TRAIL AND RIGHT OF STA. 202+20.00 RAMP 'I'.

REV 9-11-23

REVISED PROFILE TO TRACT 13 ADDED GREENWAY PROFILE.

REV 11-22-23

REVISED GREENWAY PROFILE.

SEALED BY

GREGORY A. CRESSON
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 109
STATE OF TENNESSEE

11/21/2023

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROFILE OF PRIVATE DRIVES

SCALE: 1"=50' HORIZ.
1"=5' VERT.

11/21/2023 2:32:40 PM
L:\TDOT\00903\PVT DRIVE PROFILES.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	19
CONST.	2023	R-STP/NH-115(29)	19

SEALED BY

GREGORY A. GREEN
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
NO. 115 01
STATE OF TENNESSEE

11/21/2022

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

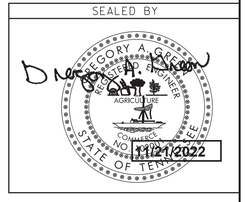
STA. 125+00 TO STA. 171+00

SCALE: 1"=200'

11/18/2022 2:37:05 PM
L:\TDOT\0903\DRAINAGE MAPS.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	20
CONST.	2023	R-STP/NH-115(29)	20

SEALED BY



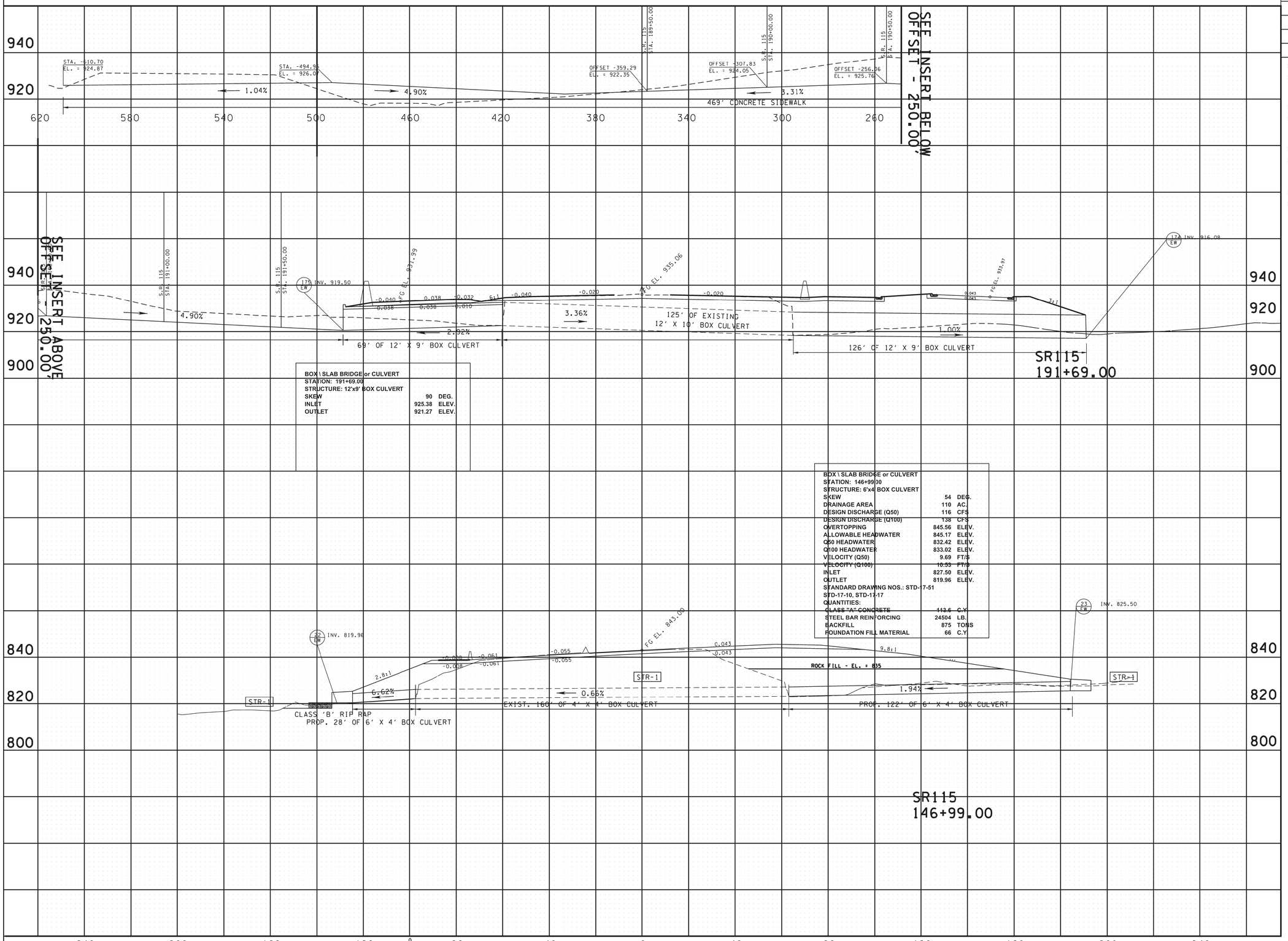
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 171+00 TO STA. 210+00

SCALE: 1"=200'

11/18/2022 2:37:06 PM
L:\TDOT\00903\DRAINAGE MAPS.sht



TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	21
CONST.	2023	R-STP/NH-115(29)	21

REV. 11-19-18
REVISED CULVERT CROSS SECTION AT STA. 191+69.00

REV. 9-16-19
REVISED CULVERT CROSS SECTION AT STA. 191+69.00

REV 12-07-20
REVISED CULVERT CROSS SECTION AT STA. 191+69.00

REV 7-14-25
REVISED CULVERT CROSS SECTION AT STA. 191+69.00

SEALED BY

GREGORY A. GRESHAM
REGISTERED ENGINEER
NO. 109001
AGRICULTURE
COMMERCE
STATE OF TENNESSEE
7/15/2025

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA.146+99.00
TO
STA.191+69.00

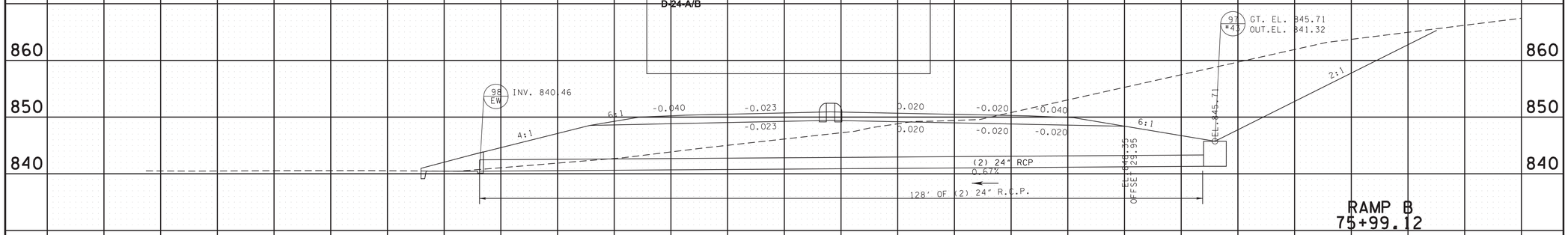
SCALE: 1"=20' HORIZ.
1"=20' VERT.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	22
CONST.	2023	R-STP/NH-115(29)	22

PIPE CULVERT
STATION: 75+99.12
STRUCTURE: TYPE 43 CB, 24" CROSS DRAIN

SKEW	90^	DEG.
DRAINAGE AREA	23	AC.
DESIGN DISCHARGE (Q50)	38	CFS
DESIGN DISCHARGE (Q100)	46	CFS
OVERTOPPING	850.92	ELEV.
ALLOWABLE HEADWATER	849.90	ELEV.
Q50 HEADWATER	848.78	ELEV.
Q100 HEADWATER	849.19	ELEV.
VELOCITY (Q50)	7.57	FT/S
VELOCITY (Q100)	8.24	FT/S

ENDWALS REQUIRED:
24" CROSS DRAIN ENDWALL
STANDARD DRAWING NOS.: D-CB-43SB
D-24-A/B

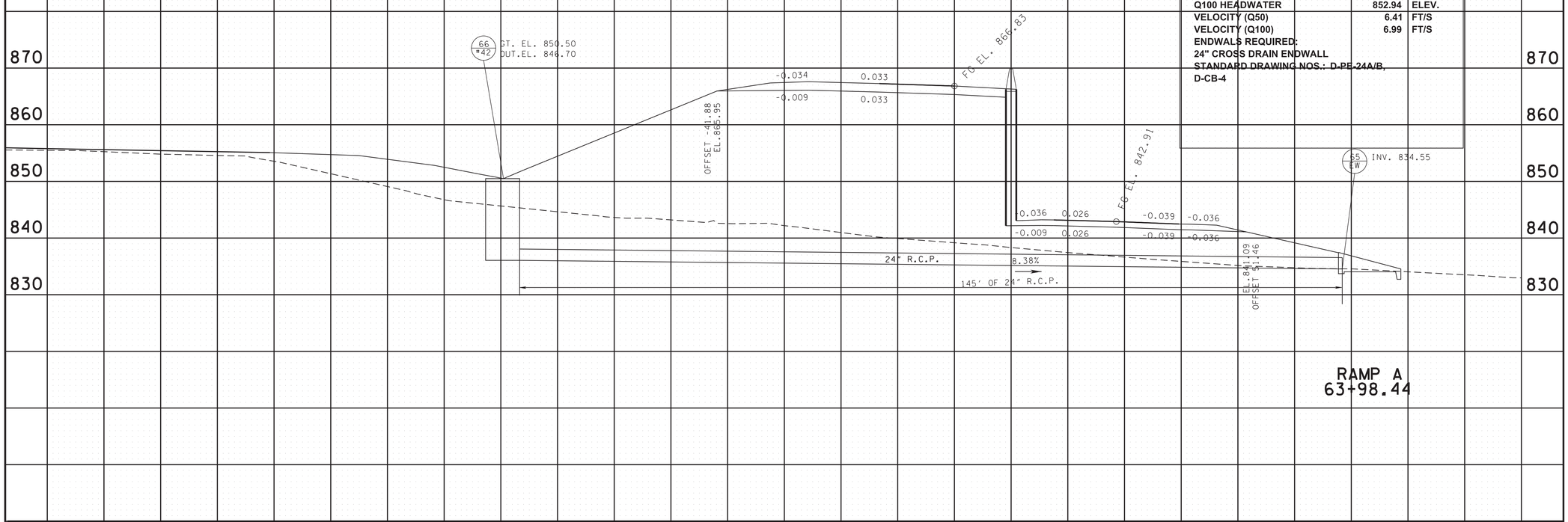


RAMP B
75+99.12

PIPE CULVERT
STATION: 63+98.44
STRUCTURE: 24" CROSS DRAIN, TYPE 42 CB

SKEW	65°04'	DEG.
DRAINAGE AREA	6	AC.
DESIGN DISCHARGE (Q50)	15	CFS
DESIGN DISCHARGE (Q100)	18	CFS
OVERTOPPING	867.60	ELEV.
ALLOWABLE HEADWATER	867.37	ELEV.
Q50 HEADWATER	852.66	ELEV.
Q100 HEADWATER	852.94	ELEV.
VELOCITY (Q50)	6.41	FT/S
VELOCITY (Q100)	6.99	FT/S

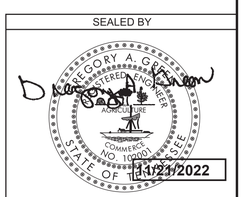
ENDWALS REQUIRED:
24" CROSS DRAIN ENDWALL
STANDARD DRAWING NOS.: D-PE-24A/B,
D-CB-4



RAMP A
63+98.44

140 120 100 80 60 40 20 0 20 40 60 80 100

SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

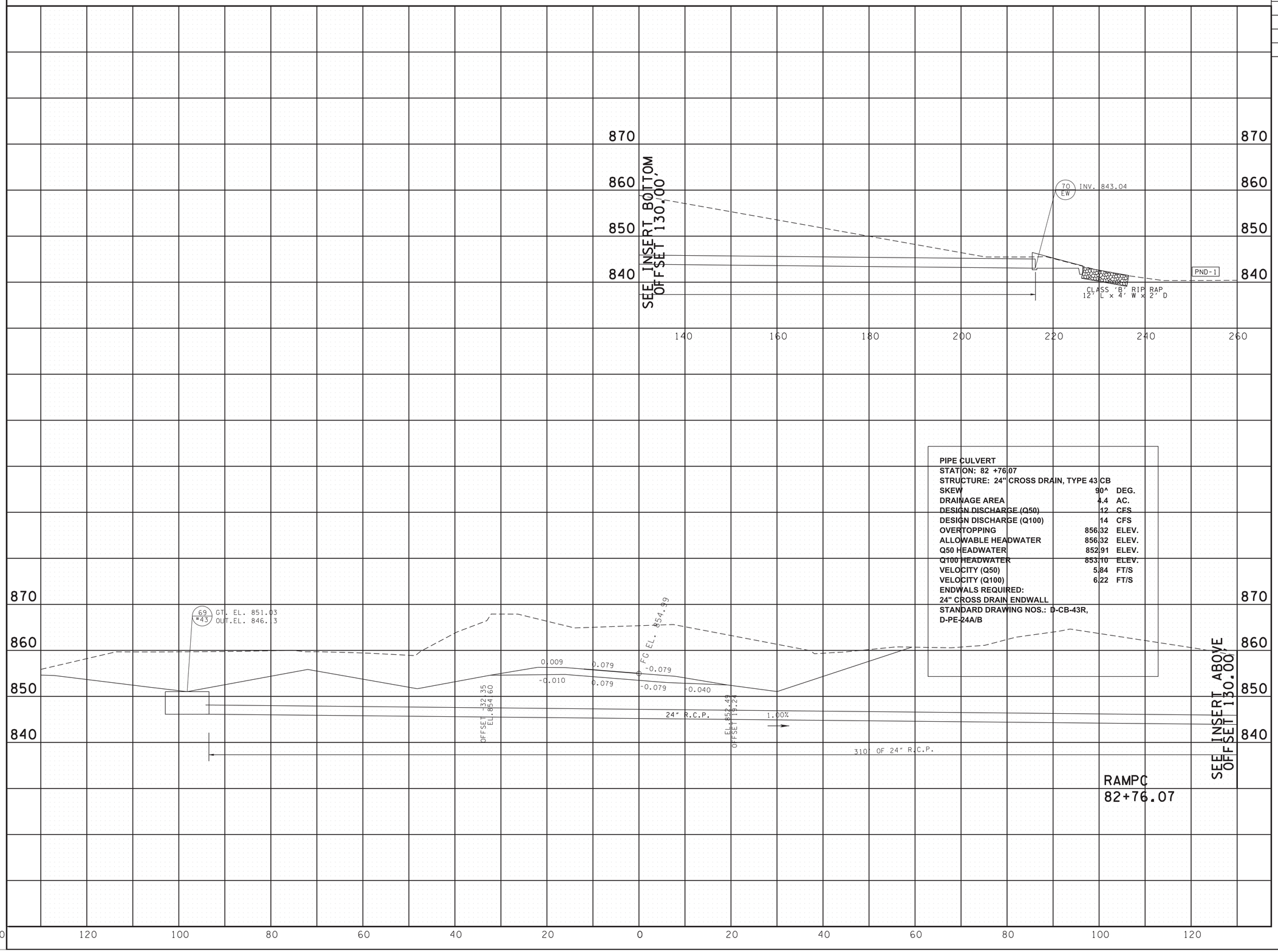
CULVERT CROSS-SECTIONS

RAMP A - STA. 63+98.44
TO
RAMP B - STA. 75+99.12

SCALE: 1"=10' HORIZ.
1"=10' VERT.

11/18/2022 2:37:10 PM
L:\TDOT\009003\SHEET-XSECTION-CULVERTS.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	23
CONST.	2023	R-STP/NH-115(29)	23



PIPE CULVERT
STATION: 82 +76.07
STRUCTURE: 24" CROSS DRAIN, TYPE 43 CB

SKEW	90^	DEG.
DRAINAGE AREA	4.4	AC.
DESIGN DISCHARGE (Q50)	12	CFS
DESIGN DISCHARGE (Q100)	14	CFS
OVERTOPPING	856.32	ELEV.
ALLOWABLE HEADWATER	856.32	ELEV.
Q50 HEADWATER	852.91	ELEV.
Q100 HEADWATER	853.10	ELEV.
VELOCITY (Q50)	5.84	FT/S
VELOCITY (Q100)	6.22	FT/S

ENDWALS REQUIRED:
24" CROSS DRAIN ENDWALL
STANDARD DRAWING NOS.: D-CB-43R, D-PE-24A/B

SEALED BY

GREGORY A. JOHNSON
REGISTERED ENGINEER
NO. 100001
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

11/21/2022

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA. 82+76.07
TO
STA. 82+76.07

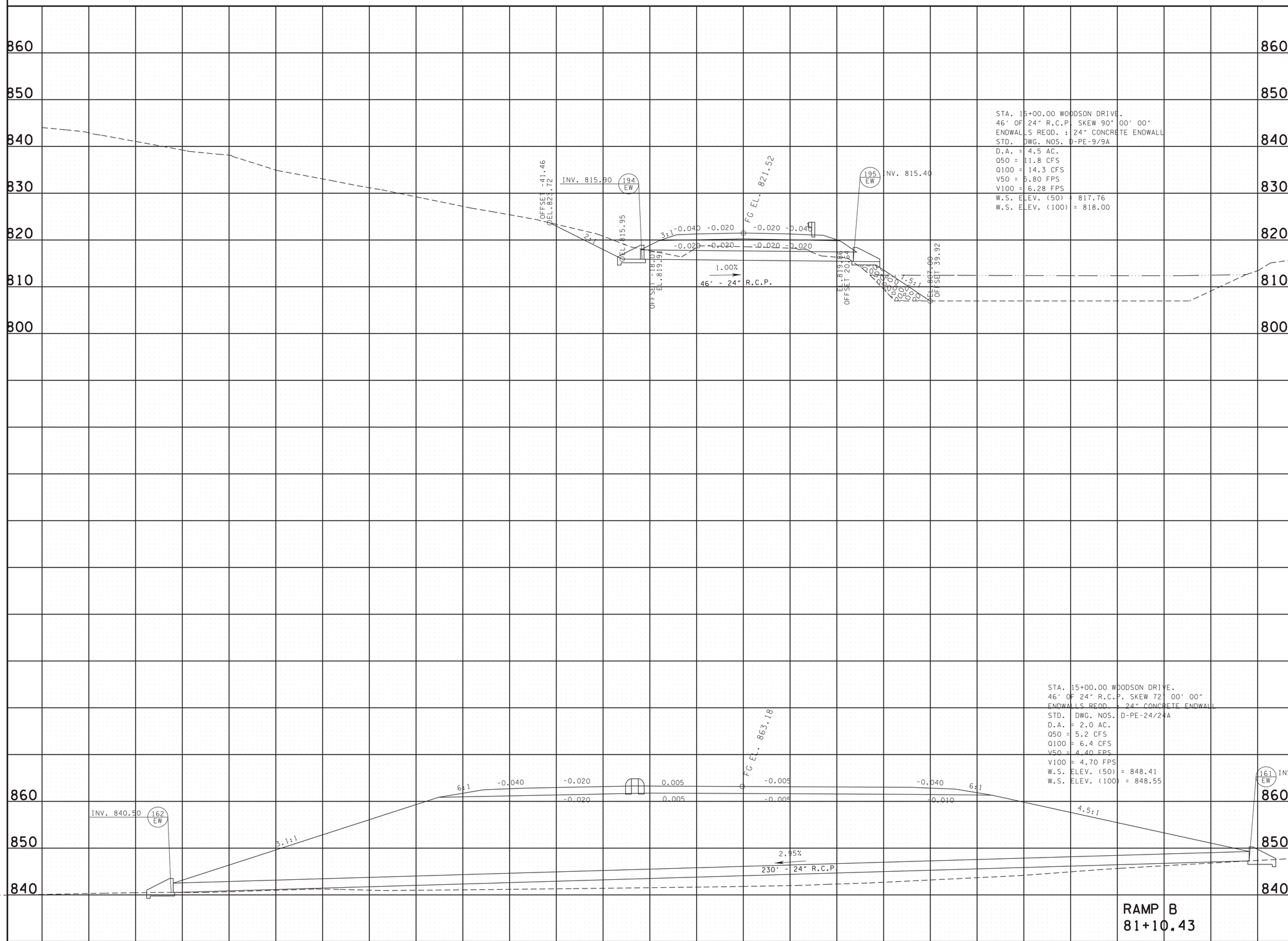
SCALE: 1"=10' HORIZ.
1"=10' VERT.

11/18/2022 2:37:10 PM
L:\TDOT\00903\SHEET-XSECTION-CULVERTS.dgn

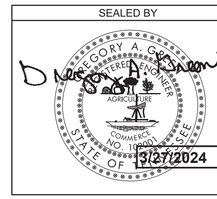
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	24
CONST.	2023	R-STP/NH-115(29)	24

REV 3-29-24

ADDED CULVERT SECTION AT STA. 81+10.43 ON RAMP "B".



SEALED BY



3/27/2024

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

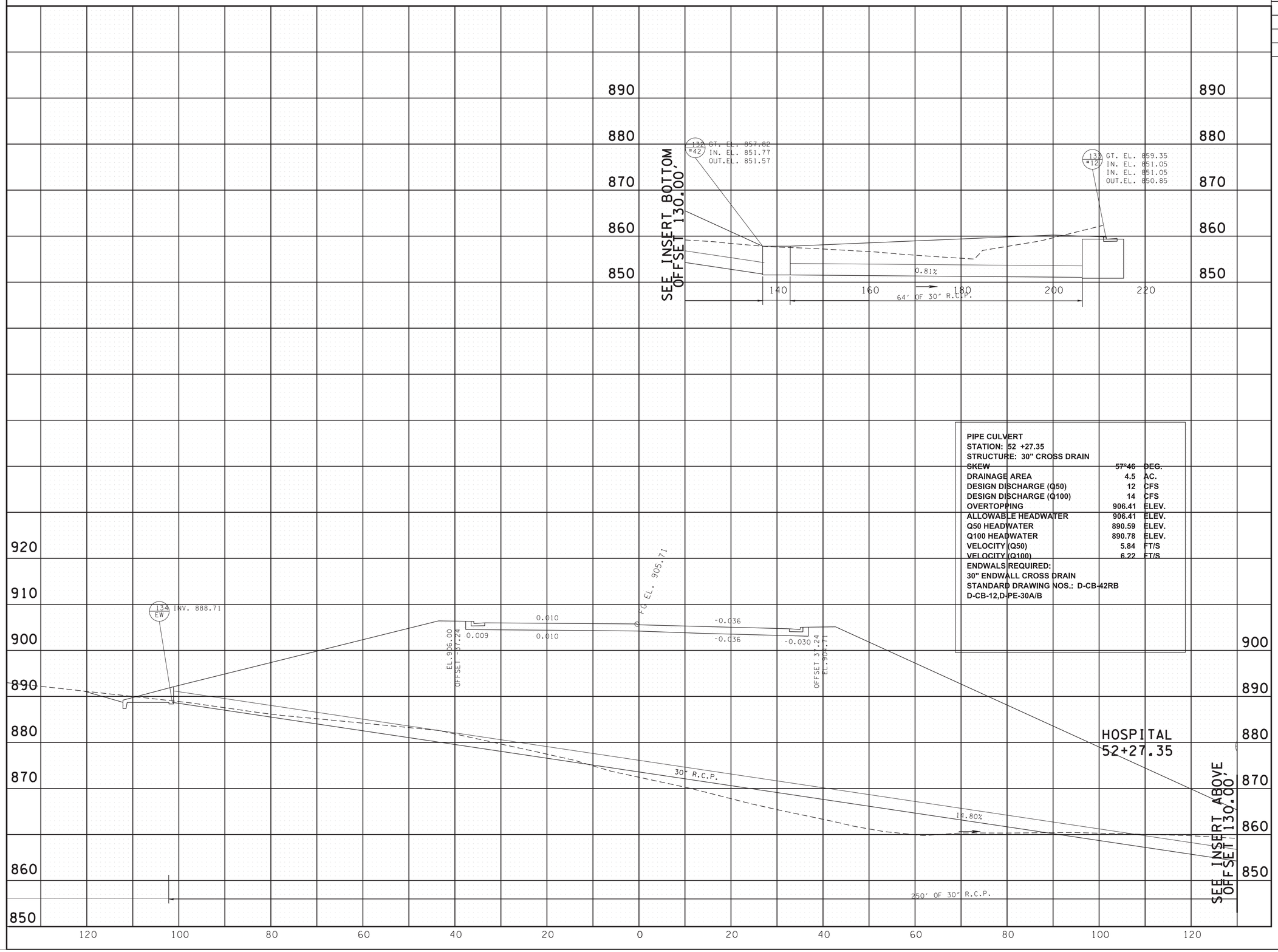
CULVERT CROSS-SECTIONS

WOODSON DRIVE
AND
RAMP 'B'

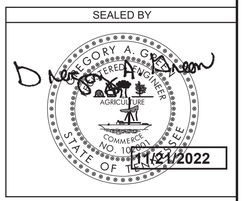
SCALE: 1"=10' HORIZ.
1"=10' VERT.

3/26/2024 2:33:17 PM
L:\TDOT\0903\SHEET-XSECTION-CULVERTS.dgn

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2017	R-STP/NH-115(29)	25
CONST.	2023	R-STP/NH-115(29)	25



SEALED BY



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA. 52+27.35
TO
STA. 52+27.35

SCALE: 1"=10' HORIZ.
1"=10' VERT.

11/18/2022 2:37:11 PM
L:\TDOT\00903\SHEET-XSECTION-CULVERTS.dgn