TENNESSEE D.O.T. DESIGN DIVISION FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2017	40003-1213-14	
CONST.	2017	NH-54(26)	S-1

SWPPP INDEX OF SHEETS

NOTE: CITATIONS IN PARENTHESIS INDICATE SECTIONS OF THE CURRENT CGP.

1. SWPPP REQUIREMENTS (3.0)

1.1. HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING LICENSING AND/OR CERTIFICATIONS (3.1.1)?

☒ YES (CHECK ALL THAT APPLY BELOW) OR ☐ NO

- ☒ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
- ☐ A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
- ☒ HAS SUCCESSFULLY COMPLETED TDEC LEVEL II COURSE

1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (E.G. SEDIMENT BASINS) (3.1.1)? YES ☐ NO ☒

IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT? ☐ YES ☐ NO

1.3. DO THE PROJECT STORMWATER OUTFALLS DIRECTLY DISCHARGE INTO THE FOLLOWING (5.4.1)? ☐ YES (CHECK ALL THAT APPLY BELOW) ☒ NO

- ☐ WATERS WITH UNAVAILABLE PARAMETERS (303d FOR SILTATION OR HABITAT ALTERATION)
- ☐ EXCEPTIONAL TENNESSEE WATERS

IF YES TO SECTION 1.3, HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING LICENSING AND/OR CERTIFICATIONS (5.4.1.b)?

☐ YES (CHECK ALL THAT APPLY BELOW) ☐ NO

- ☐ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC)
- ☐ A TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT
- ☐ HAS SUCCESSFULLY COMPLETED TDEC LEVEL II COURSE

2. SITE DESCRIPTION (3.5.1)

2.1. PROJECT LIMITS (3.5.1.h): REFER TO TITLE SHEET

2.2. PROJECT DESCRIPTION (3.5.1.a):

TITLE: S.R. 54(U.S. 641) FROM NEAR RISON STREET TO NEAR SMITH ROAD
COUNTY: HENRY
PIN: 101886.01

2.3. SITE MAP(S) (2.6.2.): REFER TO TITLE SHEET

2.4. DESCRIPTION OF EXISTING SITE TOPOGRAPHY (3.5.1.d): REFER TO EXISTING CONTOURS SHEET(S) 21-21K, DRAINAGE MAP SHEET(S) 18-18B, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.3.

2.5. MAJOR SOIL DISTURBING ACTIVITIES (3.5.1.b) (CHECK ALL THAT APPLY):

- ☒ CLEARING AND GRUBBING
- ☒ EXCAVATION
- ☒ CUTTING AND FILLING
- ☒ FINAL GRADING AND SHAPING
- ☒ UTILITIES
- ☐ OTHER (DESCRIBE): _____

2.6. TOTAL PROJECT AREA (3.5.1.c): 57.8 ACRES

2.7. TOTAL AREA TO BE DISTURBED (3.5.1.c): 53.5 ACRES

2.8. NO MORE THAN 50 ACRES OF ACTIVE SOIL DISTURBANCE IS ALLOWED AT ANY TIME DURING THE CONSTRUCTION OF THE PROJECT.

2.9. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? ☐ YES ☒ NO

IF YES, LIST THE CORRESPONDING PLAN SHEET: _____

2.10. WAS ROW FINALIZED PRIOR TO FEBRUARY 1, 2010 (4.1.2.2)?

☐ YES _____ (DATE) ☒ NO

IF ROW WAS FINALIZED PRIOR TO FEBRUARY 1, 2010, THIS PROJECT IS CONSIDERED A PRE-APPROVED SITE (4.1.2.2)

2.11. SOIL PROPERTIES (3.5.1.f) (4.1.1).

SOIL PROPERTIES FOR THE PRIMARY SOILS ARE LISTED IN THE TABLE BELOW.

SOIL PROPERTIES

PRIMARY SOIL NAME	HSG	% OF SITE	ERODIBILITY (k value)
Ea–Enville Silt Loam	D	5.4	0.49
FeB2–Feliciana Silt Loam	B	0.1	0.49
HgF–Hapludults-Gullied Land Complex	B	4.5	0.55
lk–Luka Loam	C	1.4	0.43
LeC2–Lexington Silt Loam	B	7.6	0.43
LrB2–Loring Silt Loam	D	0.5	0.49
PrD3–Providence Silty Clay Loam	D	3.3	0.43
SgD3–Smithdale Loam	B	23.5	0.43
Ua–Udorthents, loamy	A	10.7	0.28
Ur–Urban Land	*	42.6	*
W-Water	*	0.4	*

* Information not available from the USDA Web Soil Survey

2.12. IS ACID PRODUCING ROCK (APR) (i.e. PYRITE) LOCATED WITHIN THE PROJECT LIMITS? ☐ YES ☒ NO

2.12.1. IF YES TO SECTION 2.13, HAVE APR LOCATIONS BEEN IDENTIFIED WITHIN THE CONSTRUCTION PLANS AND/OR THE GEOTECHNICAL REPORT? ☐ YES ☐ NO; AND

2.12.2. IF YES TO SECTION 2.12.1, HAS A SPECIAL HANDLING PLAN AND/OR ADAPTIVE MANAGEMENT PLAN (AMP) BEEN PREPARED FOR THE PROJECT? ☐YES ☐ NO ☐ N/A (TDOT SP107L WILL BE APPLIED.)

2.13. PROJECT RUNOFF COEFFICIENTS AND AREA PERCENTAGES (3.5.1.g).

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	13.6	24	98	
PERVIOUS	44.2	76	69	
WEIGHTED CURVE NUMBER OR C-FACTOR =			76	

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS

AREA TYPE	AREA(AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS	23.8	41	98	
PERVIOUS	34.0	59	67	
WEIGHTED CURVE NUMBER OR C-FACTOR =			80	

3. ORDER OF CONSTRUCTION ACTIVITIES (3.5.1.b, 3.5.2.a)

CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO: MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION. NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE ORDER OF CONSTRUCTION ACTIVITIES AND THE BASIC EPSC DEVICES DEPICTED ON THE EPSC PLAN CONTAINED WITHIN THE APPROVED SWPPP.

3.1. SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS N/A)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.

3.4. INSTALL INITIAL EPSC MEASURES BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.

3.5. PERFORM CLEARING AND GRUBBING (NOT MORE THAN 14 DAYS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.).

3.6. REMOVE AND STORE TOPSOIL.

3.7. STABILIZE DISTURBED AREAS WITHIN 14 DAYS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY.

3.8. INSTALL UTILITIES, STORM SEWERS, CULVERTS AND BRIDGE STRUCTURES.

3.9. INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

3.13. COMPLETE FINAL STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)

3.14. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION

4.1. STREAM INFORMATION (3.5.1.j, 3.5.1.k)

4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS? ☒ YES ☐ NO

IF YES, THE IMPACT(S) HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE WATER QUALITY PERMITS.

4.1.2. HAVE ANY OF THE RECEIVING STATE WATERS LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY):

- ☐ 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION
- ☐ 303d WITH UNAVAILABLE PARAMETERS FOR HABITAT ALTERATION
- ☐ EXCEPTIONAL TENNESSEE WATERS (ETW)

4.1.3. RECEIVING WATERS OF THE STATE (3.5.1.k).

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2017	40003-1213-14	
CONST.	2017	NH-54(26)	S-2

RECEIVING WATERS OF THE STATE INFORMATION					
TDOT STATE WATER LABEL FROM EBR	NAME OF RECEIVING STATE WATER	303d WITH UNAVAILABLE PARAMETERS FOR SILTATION OR HABITAT ALTERATION (YES OR NO)	ETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
STR-1	UNNAMED TRIBUTARY TO JONES BEND CREEK	NO	NO	YES	YES
STR-2	JONES BEND CREEK	NO	NO	YES	YES
STR-3	TOWN CREEK	NO	NO	YES	YES
STR-4	UNNAMED TRIBUTARY TO TWOMILE BRANCH	NO	NO	YES	YES
STR-5	TWOMILE BRANCH	NO	NO	YES	YES
STR-6	UNNAMED TRIBUTARY TO TWOMILE BRANCH	NO	NO	YES	YES
STR-7	UNNAMED TRIBUTARY TO TWOMILE BRANCH	NO	NO	YES	YES
STR-8	UNNAMED TRIBUTARY TO TWOMILE BRANCH	NO	NO	YES	YES
STR-9	UNNAMED TRIBUTARY TO THREEMILE BRANCH	NO	NO	YES	YES

4.1.4. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (4.1.2, 5.4.2)

☐ YES ☒ NO

BUFFER ZONE REQUIREMENTS ARE NOT REQUIRED FOR PRE-APPROVED SITES (4.1.2.2.)

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____.

IF YES, CHECK THE APPROPRIATE BOX BELOW FOR SIZE OF BUFFER.

☐ 60-FEET FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 30-FEET).

A 60 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM WITH THIS DESIGNATION SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.

☐ 30-FEET FOR ALL OTHER STREAMS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 15-FEET).

A 30 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STATE STREAM SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. IF THE CONSTRUCTION SITE ENCOMPASSES BOTH SIDES OF A STREAM, BUFFER AVERAGING CAN BE APPLIED TO BOTH SIDES, BUT MUST BE APPLIED INDEPENDENTLY.

4.1.5. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR STATE WATERS DUE TO A TDEC ARAP? (9.0)

☒ YES ☐ NO

4.1.6. ARE THERE WATER QUALITY RIPARIAN BUFFER ZONE EXEMPTIONS? (4.1.2.1) ☐ YES ☒ NO

IF YES, EXISTING CONDITIONS DESCRIPTION:_____

4.1.7. EVERY ATTEMPT SHOULD BE MADE FOR CONSTRUCTION ACTIVITIES TO NOT TAKE PLACE WITHIN THE WATER QUALITY RIPARIAN BUFFER ZONE AND FOR EXISTING FORESTED AREAS TO BE PRESERVED. (5.4.2.)

4.1.8. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA.

4.1.9. WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MUST BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CGP. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

4.2. RECEIVING WATERS OF THE UNITED STATES (WOTUS) (EPHEMERAL)

WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WOTUS (EPHEMERAL)? ☒ YES ☐ NO

RECEIVING WOTUS (EPHEMERAL) INFORMATION		
TDOT WOTUS LABEL	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN 15-FT OF THE PROJECT LIMITS (YES OR NO)
WWC-1/EPH-1	YES	YES
WWC-2/EPH-2	YES	YES
WWC-3/EPH-3	YES	YES
WWC-4/EPH-4	YES	YES
WWC-5/EPH-5	YES	YES
WWC-6/EPH-6	YES	YES
WWC-7/EPH-7	YES	YES

4.2.1. ARE WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WOTUS (4.1.2)? ☐ YES ☒ NO

IF YES, A 15 FOOT NATURAL WATER QUALITY RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING EPHEMERAL STREAM IDENTIFIED AS A WOTUS (EPHEMERAL) BY THE U.S. ARMY CORPS OF ENGINEERS (USACE) OR THE ENVIRONMENTAL PROTECTION AGENCY SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE.

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____

4.2.2. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR WOTUS (EPHEMERAL) DUE TO A USACE PERMIT?

☒ YES ☐ NO

4.3. OUTFALL INFORMATION

4.3.1. OUTFALL TABLE (3.5.1.e). SEE SWPPP SHEETS S-8 - S-12 FOR OUTFALL INFORMATION.

4.3.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (3.5.1.h)? ☒ YES ☐ NO

4.3.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (2.6.2)? ☒YES ☐ NO

4.3.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?

☒ YES ☐ NO ☐ N/A

4.3.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S)? ☐ YES ☐ NO ☒ N/A

4.3.6. A SEDIMENT BASIN OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:

OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS. A TEMPORARY (OR PERMANENT) SEDIMENT BASIN OR EQUIVALENT CONTROL MEASURES THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A MINIMUM 2-YEAR/ 24-HOUR STORM EVENT, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. (3.5.3.3)

OR

OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO A STATE STREAM WITH UNAVAILABLE PARAMETERS OR EXCEPTIONAL TENNESSEE WATERS. A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. (5.4.1.g).

IN BOTH INSTANCES, THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS.

4.4. WETLAND INFORMATION

WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? ☒ YES ☐ NO

IF YES, THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND IN THE WATER QUALITY PERMITS.

WETLAND INFORMATION				
TDOT WETLAND LABEL	FROM STATION LT OR RT	TO STATION LT OR RT	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)
WTL-1	28+91 RT	29+25 RT	0	0
WTL-2	32+83 LT	34+75 LT	0.04	0.202
WTL-3	33+53 RT	34+68 RT	0.03	0.124
WTL-4	35+50 RT	37+82 RT	0	0.039
WTL-5	52+96 LT	55+38 LT	0.07	0.097
WTL-6	102+74 LT	103+21 LT	0	0.038
WTL-7	159+86 RT	162+31 RT	0.007	0

4.5. TOTAL MAXIMUM DAILY LOADS (TMDL) INFORMATION (3.5.10)

4.5.1. IS THIS PROJECT LOCATED IN A HUC-8 WATERSHED THAT MAINTAINS AN EPA APPROVED TMDL FOR SILTATION AND HABITAT ALTERATION?

☐YES ☒ NO

4.5.2. IF YES, IS THIS PROJECT LOCATED WITHIN A HUC-12 SUBWATERSHED WITH A WASTE LOAD ALLOCATION (WLA)?

☐ YES ☐ NO

4.5.3. IF YES, DOES THE PROJECT HAVE A DIRECT DISCHARGE TO A 303(d) LISTED STREAM FOR SILTATION OR HABITAT ALTERATION?

☐ YES ☐ NO

4.5.4. IF YES, HAS A SUMMARY OF THE CONSULTATION LETTER BEEN SUBMITTED/RECEIVED?

☐ YES ☐ NO

4.6. ECOLOGY INFORMATION (3.5.5.e)

DOES THE TDOT ENVIRONMENTAL BOUNDARIES REPORT SPECIFY SPECIAL NOTES TO BE ADDED TO THE PLAN SHEETS?

☐ YES ☒ NO

IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) _____.

4.7. ENVIRONMENTAL COMMITMENTS

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

ARE THERE ANY NOTES ON THE ENVIRONMENTAL COMMITMENT SHEET?
☒ YES ☐ NO
IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) 1B .

5. EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (3.5.3)

5.1. EPSC MEASURES MUST BE DESIGNED, INSTALLED AND MAINTAINED TO CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE EROSION (4.1.1).

5.2. EPSC MEASURES MUST CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWS AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, STREAM CHANNELS, AND STREAM BANKS. (4.1.1)

5.3. HAVE THE CONTROL MEASURES BEEN DESIGNED PER THE SIZE AND SLOPE OF THE DISTURBED DRAINAGE AREA (3.5.3.3)?
☒YES ☐ NO

5.4. THE CONTROL MEASURES HAVE, AT A MINIMUM, BEEN DESIGNED FOR THE 2-YEAR, 24 HOUR STORM EVENT (3.5.3.3, 5.4.1.a).

5.5. ARE THE LIMITS OF DISTURBANCE CLEARLY MARKED ON THE EPSC PLANS (3.5.1.h)? ☒ YES ☐ NO

5.6. AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN.

5.7. UNLESS OTHERWISE NOTED IN THE PLANS, THE CONTRACTOR SHALL NOT CLEAR/DISTURB ANY AREA BEYOND 15 FEET FROM SLOPE LINES OR ROW/ EASEMENT LINE, WHICHEVER IS LESSER.

5.8. 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.

5.9. HAVE STAGED EPSC PLANS BEEN PREPARED FOR THE PROJECT (3.5.2)?
YES ☒ NO ☐ (IF YES, CHECK ONE BELOW)

5.9.1. ☐ PROJECT DISTURBED AREA IS THAN LESS THAN 5 ACRES (MINIMUM OF TWO STAGES OF EPSC PLANS)

5.9.2. ☒ PROJECT DISTURBED AREA IS GREATER THAN 5 ACRES (MINIMUM OF THREE STAGES OF EPSC PLANS)

5.10. STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR GREATER REGARDLESS OF HEIGHT. HAVE STEEP SLOPES BEEN MINIMALLY DISTURBED AND/OR PROTECTED BY CONVEYING RUNOFF NON-EROSIVELY AROUND OR OVER THE SLOPE (3.5.3.2) (10. "STEEP SLOPE")? ☒ YES ☐ NO ☐ N/A

5.11. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARAP) PERMIT OR SECTION 401 CERTIFICATION (3.5.1.j). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET S-7. ALL PERMITS WILL BE MAINTAINED ON SITE WITHIN THE "DOCUMENTATION AND PERMITS" BINDER.

5.12. THE EPSC CONTROL MEASURES LISTED IN THE QUANTITIES TABLE ON SHEET 2A-2A2, 20A HAVE BEEN SELECTED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES (3.5.3.1.b).

5.13. EPSC MEASURES SHALL BE INSTALLED PER TDOT STANDARDS (i.e. STANDARD DRAWINGS) AND SHALL BE FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS.

5.14. EPSC MEASURES WILL NOT BE INSTALLED WITHIN A STREAM WITHOUT FIRST OBTAINING APPROVAL FROM THE PERMITS SECTION.

5.15. TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REINSTALLED AT THE END OF THE WORKDAY OR BEFORE A PRECIPITATION EVENT.

5.16. EPSC MEASURES LOCATED IN WOTUS (EPHEMERAL STREAMS) MUST BE CONSIDERED TEMPORARY AND SHALL BE REMOVED AT THE END OF CONSTRUCTION.

5.17. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE 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 PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED TO A LEVEL SUFFICIENT TO MINIMIZE OFF-SITE 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 SETTLED WITH THE ADJOINING PROPERTY OWNER BEFORE REMOVAL OF SEDIMENT. SEDIMENT THAT MIGRATES INTO WATERS OF THE STATE/US SHALL NOT BE REMOVED WITHOUT GUIDANCE FROM TDOT ENVIRONMENTAL PERSONNEL.

5.18. 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.

5.19. THE QUANTITIES REQUIRED FOR STABILIZED CONSTRUCTION EXITS PER TDOT STANDARDS HAVE BEEN SPECIFIED ON SHEET 2A-2A2,20A (3.5.3.1.n).

5.20. DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS THAT PROVIDE THE LEVEL OF TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS. (4.1.4).

5.21. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED PER 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.

5.22. DISCHARGES FROM SEDIMENT BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE, WELL- VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. (4.1.7).

5.23. 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 CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

5.24. WATER DISCHARGED FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.

5.25. DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE TOP BANK OF A STREAM, WOTUS (EPHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.

5.26. STABILIZATION PRACTICES: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 14 DAYS PRIOR TO GRADING OR EARTH MOVING UNLESS THE AREA WILL BE SEEDED AND/OR MULCHED OR OTHER TEMPORARY COVER IS INSTALLED (3.5.3.1.h).

5.27. STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT STABILIZATION WILL BE COMPLETED WITHIN 14 DAYS AFTER ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED IN THAT AREA. PERMANENT STABILIZATION WILL REPLACE TEMPORARY MEASURES AS SOON AS PRACTICABLE (3.5.3.2).

5.28. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE

5.29. DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.

5.30. A SOIL ANALYSIS SHALL BE PERFORMED PRIOR TO THE APPLICATION OF FERTILIZERS TO ANY PORTION OF THE STE. SOILS SHOULD BE ANALYZED FOR pH, BUFFER VALUE, PHOSPHOROUS, POTASSIUM, CALCIUM AND MAGNESIUM. SOIL SAMPLES SHOULD BE REPRESENTATIVE OF THE AREA FOR WHICH FERTILIZER WILL BE APPLIED. SAMPLE TYPE SHOULD BE COLLECTED AND ANALYZED IN ACCORDANCE WITH THE UT EXTENSION "SOIL TESTING" BROCHURE PB1061. (4.1.5.)

5.31. FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED FROM THE ANALYSES. ONCE APPLIED, FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.

5.32. STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (3.5.3.2).

6. FLOCCULANTS (3.5.3.1.b)

IS ADDITIONAL PHYSICAL OR CHEMICAL TREATMENT OF STORMWATER RUNOFF NECESSARY (5.4.1.a)? ☐ YES ☒ NO

IF YES, THE FOLLOWING NOTES APPLY:

6.1. POLYACRYLAMIDES (PAM) SHALL BE OF THE ANIONIC OR NEUTRALLY CHARGED TYPE ONLY. PAM REQUIREMENTS ARE AS FOLLOWS:

6.1.1. CATIONIC PAM IS NOT ALLOWED BECAUSE OF ITS TOXICITY TO FISH AND AQUATIC LIFE.

6.1.2. ANIONIC AND NEUTRALLY CHARGED PAM SHALL MEET THE EPA AND FDA ACRYLAMIDE MONOMER LIMITS OF EQUAL TO OR LESS THAN 0.05% BY WEIGHT ACRYLAMIDE MONOMER.

6.1.3. ANIONIC AND NEUTRALLY CHARGED PAM SHALL HAVE A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MG/MOLES.

6.1.4. PAM MIXTURES SHALL BE NON-COMBUSTIBLE.

6.1.5. PAM SHALL CONTAIN ONLY MANUFACTURER-RECOMMENDED ADDITIVES.

6.2. ALL PHYSICAL AND/OR CHEMICAL TREATMENT WILL BE RESEARCHED, APPLIED IN ACCORDANCE WITH MANUFACTURE'S GUIDELINES AND FULLY DESCRIBED ON THE EPSC PLANS (3.5.3.1.b).

6.3. FLOCCULANTS SHALL BE HANDLED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL SAFETY DATA SHEET (MSDS) REQUIREMENTS AND SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIED USE CONFORMING TO ALL FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS.

6.4. ALL VENDORS AND SUPPLIERS OF FLOCCULANTS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT FOR BOTH ACUTE AND CHRONIC TOXICITY TESTS WHICH VERIFIES THAT THE FLOCCULANT EXHIBITS ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPA REQUIREMENTS FOR THE STATE AND FEDERAL WATER QUALITY STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REACTIONS HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED.

6.5. DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET, OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCE LOCATED ON OR ADJACENT TO THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A STREAM, WETLAND, OR OTHER NATURAL WATER RESOURCE. DO NOT APPLY FLOCCULANTS IMMEDIATELY AT A STORMWATER OUTFALL WHERE RUNOFF LEAVES THE PROJECT LIMITS.

6.6. BEFORE FLOCCULANTS CAN BE USED ON A CONSTRUCTION PROJECT, SITE-SPECIFIC SOIL SAMPLES MUST BE OBTAINED AND TESTED BY THE MANUFACTURER OR THEIR REPRESENTATIVE, TO IDENTIFY THE OPTIMUM FLOCCULANT TYPE AND APPLICATION RATE. SINCE FLOCCULANT EFFICACY IS HIGHLY DEPENDENT ON SOIL TYPE, SOIL SAMPLES WILL NEED TO BE OBTAINED FROM EACH SOIL HORIZON THAT WILL BE ACCESSED DURING EXCAVATION. FLOCCULANTS SHOULD BE APPLIED ON A CONSTRUCTION SITE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED APPLICATION OR DOSAGE RATE. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA. DO NOT APPLY EMULSION FORMS OF FLOCCULANTS DIRECTLY TO STORMWATER RUNOFF OR TO STREAMS, WETLANDS, OR OTHER WATER RESOURCES DUE TO SURFACTANT TOXICITY.

6.7. FLOCCULANT POWDER MAY BE APPLIED BY A HAND SPREADER OR A MECHANICAL SPREADER. IF APPROVED BY THE MANUFACTURER, FLOCCULANT MAY BE MIXED WITH DRY SILICA SAND, FERTILIZER, SEED, OR OTHER SOIL AMENDMENTS TO AID IN SPREADING. FLOCCULANTS MAY ALSO BE APPLIED WITH A WATER TRUCK OR AS PART OF HYDRO-SEEDING. APPLICATION METHOD SHALL ENSURE UNIFORM COVERAGE TO THE TARGET AREA.

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6.8. MANUFACTURER'S GUIDANCE SHOULD BE FOLLOWED FOR BLOCK, LOG AND SOCK SPACING CONFIGURATIONS. BEFORE FLOCCULANTS CAN BE USED ON A CONSTRUCTION PROJECT, SITE-SPECIFIC SOIL SAMPLES MUST BE OBTAINED AND TESTED BY THE MANUFACTURER OR THEIR REPRESENTATIVE, TO IDENTIFY THE OPTIMUM FLOCCULANT TYPE AND APPLICATION RATE. SINCE FLOCCULANT EFFICACY IS HIGHLY DEPENDENT ON SOIL TYPE, SOIL SAMPLES WILL NEED TO BE OBTAINED FROM EACH SOIL HORIZON THAT WILL BE ACCESSED DURING EXCAVATION. FLOCCULANTS SHOULD BE APPLIED ON A CONSTRUCTION SITE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDED APPLICATION OR DOSAGE RATE.

7. UTILITY RELOCATION

ARE UTILITIES INCLUDED IN THE CONTRACT? ☒ YES ☐ NO

IF YES, THE FOLLOWING APPLY:

7.1. STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.

7.2. SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILED SOIL. ANY TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS, REMOVED AND STABILIZED BY THE END OF THE WORK DAY.

7.3. UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.

7.4. IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE EPSC MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME, SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

7.5. FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN FOURTEEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOILS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EPSC MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL THE TRENCH IS BACKFILLED.

7.6. IN REGARDS TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.

7.7. TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

7.8. FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EPSC MEASURES SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH FINAL VEGETATIVE COVER.

7.9. THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS AS APPROVED BY THE TDOT RESPONSIBLE PARTY.

7.10. THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EPSC MEASURES TO REPLACE ONSITE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT ENGINEER BEFORE COMMENCING WORK.

7.11. FOR UTILITY CROSSINGS THAT UTILIZE HORIZONTAL DIRECTIONAL DRILLING THE FOLLOWING SHALL APPLY:

7.11.1. THE ENTRY AND EXIT POINTS SHALL BE AT LEAST 50 FEET FROM THE STREAM BANK OR WETLAND BOUNDARY.

7.11.2. THE DEPTH OF BORE BELOW THE STREAMBED IS SUFFICIENT TO PREVENT RELEASE OF DRILLING FLUID, BASED ON THE PARENT MATERIAL.

7.11.3. A SITE-SPECIFIC CONTINGENCY AND CONTAINMENT PLAN FOR INADVERTENT RELEASE OF DRILLING FLUID SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT OF WORK. THIS PLAN SHALL BE SUBMITTED TO THE TDOT PROJECT ENGINEER AND THE TDOT ENVIRONMENTAL DIVISION PERMITS AND/OR COMPLIANCE AND FIELD SERVICES OFFICE FOR REVIEW AND APPROVAL.

8. MAINTENANCE AND INSPECTION

8.1. INSPECTION PRACTICES (3.5.8)

8.1.1. PROJECT EPSC INSPECTORS AND ENGINEERS (INCLUDING TDOT STAFF, CONSULTANTS AND CONTRACTOR STAFF) RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE. AND/OR REPAIR OF EPSC MEASURES SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS (3.5.8.1.):

8.1.1.1. SUCCESSFULLY COMPLETED THE TDOT EPSC INSPECTIONS TRAINING AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.1.2. SUCCESSFULLY COMPLETED THE TDEC "LEVEL I - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL" COURSE AND ANY RECERTIFICATION COURSES AS REQUIRED.

8.1.1.3. BE A CURRENT TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT.

8.1.1.4. BE A CURRENT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).

8.1.1.5. SUCCESSFULLY COMPLETED TDEC "LEVEL II – DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES" COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.

8.1.2. THE TDOT CONSTRUCTION ENGINEER (OR THEIR DULY AUTHORIZED REPRESENTATIVE) AND THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION ENGINEER OR THEIR DULY AUTHORIZED REPRESENTATIVE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.

8.1.3. THE INSPECTOR SHALL CONDUCT PRE-CONSTRUCTION INSPECTIONS TO VERIFY AREAS THAT ARE NOT TO BE DISTURBED HAVE BEEN MARKED IN THE SWPPP AND IN THE FIELD BEFORE LAND DISTURBANCE ACTIVITIES BEGIN AND INITIAL MEASURES HAVE BEEN INSTALLED (10 "INSPECTOR") (3.5.1.o).

8.1.4. EPSC CONTROLS SHALL BE INSPECTED TO VERIFY MEASURES HAVE BEEN INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS, SPECIFICATIONS, AND GOOD ENGINEERING PRACTICES. EPSC INSPECTIONS SHALL BE DOCUMENTED ON THE TDOT EPSC INSPECTION REPORT FORM AND THE TDEC CONSTRUCTION STORMWATER INSPECTION CERTIFICATION (TWICE-WEEKLY INSPECTIONS) FORM.

8.1.5. OUTFALL POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING EROSION AND CONTROLLING SEDIMENT INCLUDING SIGNIFICANT IMPACTS TO SURROUNDING STATE WATERS, WOTUS (EPHEMERAL), WETLANDS, OTHER NATURAL RESOURCES AND ADJACENT PROPERTY OWNERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWN GRADIENT LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.

8.1.6. INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS APART (3.5.8.2.a). A CALENDAR WEEK IS DEFINED AS SUNDAY THROUGH SATURDAY. QUALITY ASSURANCE INSPECTIONS OF TDOT EPSC, NPDES AND WATER QUALITY PERMIT REQUIREMENTS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE.

8.1.7. THE FREQUENCY OF EPSC INSPECTIONS MAY BE REDUCED TO ONCE A MONTH WHERE SITES OR PORTIONS OF SITES HAVE BEEN TEMPORARILY STABILIZED UNTIL CONSTRUCTION ACTIVITIES RESUME WITH WRITTEN NOTIFICATION BY THE TDOT REGIONAL ENGINEER TO TDEC NASHVILLE CENTRAL OFFICE AND SUBSEQUENT TDEC APPROVAL. WRITTEN NOTIFICATION MUST INCLUDE THE INTENT TO CHANGE FREQUENCY AND JUSTIFICATION (3.5.8.2.a).

8.1.8. ALL DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR MATERIAL STORAGE THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL WILL BE INSPECTED (3.5.8.2.b).

8.1.9. THE INSPECTOR WILL OVERSEE THE REQUIREMENTS OF OTHER CONSTRUCTION-RELATED WATER QUALITY PERMITS (I.E. TDEC ARAP, USACE SECTION 404, AND TVA SECTION 26a PERMITS) FOR CONSTRUCTION ACTIVITIES AROUND WATERS OF THE STATE (10 "INSPECTOR").

8.1.10. THE SWPPP WILL BE REVISED AS NECESSARY BASED ON THE RESULTS OF THE INSPECTION. REVISION(S) WILL BE RECORDED WITHIN 7 DAYS OF THE INSPECTION. REVISION(S) WILL BE IMPLEMENTED WITHIN 14 DAYS OF THE INSPECTION (3.5.8.2.e AND 3.5.8.2.f).

8.1.11. DOCUMENTATION OF INSPECTIONS WILL BE MAINTAINED ON SITE IN THE "DOCUMENTATION AND PERMITS" BINDER. REPORTS WILL BE SUBMITTED TO THE TDOT PROJECT ENGINEER PER THE CONTRACT.

8.1.12. THESE INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS OF THE SITE THAT HAVE MET FINAL STABILIZATION REQUIREMENTS AND HAVE BEEN NOTED IN THE SWPPP.

8.1.13. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION TO THE BEST OF THEIR ABILITY. FALSIFYING INSPECTION RECORDS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES (3.5.8.2.h).

8.2. DULY AUTHORIZED REPRESENTATIVE (7.7.3)

THE PROJECT ENGINEER MAY DELEGATE AN INDIVIDUAL AND/OR CONSULTANT TO SIGN EPSC INSPECTIONS REPORTS. FOR SATISFYING SIGNATORY REQUIREMENTS FOR EPSC INSPECTION REPORTS, THE PROJECT ENGINEER AND NEWLY AUTHORIZED INDIVIDUAL ACCEPTING RESPONSIBILITY MUST COMPLETE AND SIGN THE TDOT CONSTRUCTION DIVISION EPSC DELEGATION OF AUTHORITY.

8.3. MAINTENANCE PRACTICES (3.5.3.1 AND 3.5.7)

8.3.1. ALL CONTROLS WILL BE MAINTAINED IN GOOD AND EFFECTIVE OPERATING ORDER AND IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES. (3.5.3.1.b)

8.3.2. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.

8.3.3. UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE, MORE THAN 24 HOURS AFTER THE INSPECTION OR WHEN THE CONDITION IS IDENTIFIED. IF THE REPAIR, REPLACEMENT OR MODIFICATION IS NOT PRACTICAL WITHIN THE 24-HOUR TIMEFRAME, WRITTEN DOCUMENTATION PROVIDED BY THE CONTRACTOR SHALL BE PLACED IN THE FIELD DIARY AND EPSC INSPECTION REPORT. AN ESTIMATED REPAIR, REPLACEMENT OR MODIFICATION SCHEDULE SHALL BE DOCUMENTED WITHIN 24 HOURS AFTER IDENTIFICATION. (3.5.8.2.e).

8.3.4. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES (SEDIMENT TRAPS, SILT FENCE, SEDIMENT BASINS, OTHER CONTROLS, ETC.) WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). (3.5.3.1.e).

8.3.5. DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE STEPS TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE EPSC MEASURES AT THE CONTRACTOR'S OWN EXPENSE.

8.3.6. CHECK DAMS WILL BE INSPECTED FOR STABILITY. SEDIMENT WILL BE REMOVED WHEN DEPTH REACHES ONE-HALF (½) THE HEIGHT OF THE DAM.

8.3.7. SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS, DOES NOT MIGRATE INTO FEATURES REMOVED FROM, AND DOES NOT MIGRATE ONTO ADJACENT PROPERTIES AND/OR INTO WATERS OF THE STATE/U.S.

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8.3.8. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORMWATER WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS OR BEFORE BEING CARRIED OFF THE SITE BY WIND, OR OTHERWISE PREVENTED FROM BECOMING A POLLUTANT SOURCE FOR STORMWATER DISCHARGES. AFTER USE, MATERIALS USED FOR EROSION CONTROL WILL BE REMOVED (3.5.3.1.f).

8.3.9. ALL SEEDED AREAS WILL BE CHECKED FOR BARE SPOTS, EROSION WASHOUTS, AND VIGOROUS GROWTH FREE OF SIGNIFICANT WEED INFESTATIONS.

9. SITE ASSESSMENTS (3.1.2)

QUALITY ASSURANCE SITE ASSESSMENTS OF EROSION PREVENTION AND SEDIMENT CONTROLS SHALL BE PERFORMED PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE GUIDELINES.

10. STORMWATER MANAGEMENT (3.5.4)

10.1. STORMWATER MANAGEMENT WILL BE HANDLED BY TEMPORARY CONTROLS OUTLINED IN THIS SWPPP AND ANY PERMANENT CONTROLS NEEDED TO MEET PERMANENT STORMWATER MANAGEMENT NEEDS IN THE POST CONSTRUCTION PERIOD. PERMANENT CONTROLS WILL BE DEPICTED ON THE PLANS AND NOTED AS PERMANENT.

10.2. DESCRIBE ANY SPECIFIC POST-CONSTRUCTION MEASURES THAT WILL CONTROL VELOCITY, POLLUTANTS, AND/OR EROSION (3.5.4): SOD, EROSION CONTROL BLANKET, AND CLASS B AND CLASS C RIPRAP WILL BE USED AS DITCH LINING. CLASS B AND CLASS C RIPRAP WILL BE USED AT CULVERT OUTLETS AND AS SLOPE PROTECTION TO INTERCEPT ANY POLLUTANTS AND/OR TO SLOW STORMWATER VELOCITIES TO CONTROL POTENTIAL EROSION.

10.3. OTHER ITEMS NEEDING CONTROL (3.5.5)

CONSTRUCTION MATERIALS: THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

☒ LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
☒ CONCRETE WASHOUT
☒ PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
☒ MINERAL AGGREGATES, ASPHALT
☒ EARTH
☒ LIQUID TRAFFIC STRIPING MATERIALS, PAINT
☒ ROCK
☒ CURING COMPOUND
☐ EXPLOSIVES
☐ OTHER _____

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

10.4. WASTE MATERIALS (3.5.5.b)

WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE TDOT CONSTRUCTION CONTRACT AND FEDERAL AND STATE REGULATIONS. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN 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.

10.5. HAZARDOUS WASTE (3.5.5.c) (7.9)

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S ON-SITE REPRESENTATIVE WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.

10.6. SANITARY WASTE (3.5.5.b)

PORTABLE SANITARY FACILITIES WILL BE PROVIDED ON ALL CONSTRUCTION SITES. SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY LOCAL REGULATIONS. THE CONTRACTOR WILL OBTAIN ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.

10.7. OTHER MATERIALS

THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY).

☒ FERTILIZERS AND LIME
☐ PESTICIDES AND/OR HERBICIDES
☒ DIESEL AND GASOLINE
☒ MACHINERY LUBRICANTS (OIL AND GREASE)

THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.

11. NON-STORMWATER DISCHARGES (3.5.9)

11.1. THE FOLLOWING NON-STORMWATER DISCHARGES ARE ANTICIPATED DURING THE CONSTRUCTION OF THIS PROJECT (CHECK ALL THAT APPLY):

☒ DEWATERING OF WORK AREAS OF COLLECTED STORMWATER AND GROUND WATER.
☒ WATERS USED TO WASH VEHICLES (OF DUST AND SOIL) WHERE DETERGENTS ARE NOT USED AND DETENTION AND/OR FILTERING IS PROVIDED BEFORE THE WATER LEAVES THE SITE.
☒ WATER USED TO CONTROL DUST. (3.5.3.1.n)
☒ POTABLE WATER SOURCES INCLUDING WATERLINE FLUSHING FROM WHICH CHLORINE HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE.
☒ UNCONTAMINATED GROUNDWATER OR SPRING WATER.
☐ FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH POLLUTANTS.
☐ OTHER: _____

11.2. ALL ALLOWABLE NON-STORMWATER DISCHARGES WILL BE DIRECTED TO STABLE DISCHARGE STRUCTURES PRIOR TO LEAVING THE SITE. FILTERING OR CHEMICAL TREATMENT MAY BE NECESSARY PRIOR TO DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.

11.3. THE DESIGN OF ALL IMPACTED EPSC MEASURES RECEIVING FLOW FROM ALLOWABLE NON-STORMWATER DISCHARGES MUST BE DESIGNED TO HANDLE THE VOLUME OF THE NON-STORMWATER COMPONENT.

11.4. WASH DOWN OR WASTE DISCHARGE OF CONCRETE TRUCKS WILL NOT BE PERMITTED ON-SITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.

11.5. ARE ANY DISCHARGES ASSOCIATED WITH INDUSTRIAL (NON-CONSTRUCTION STORMWATER) ACTIVITY EXPECTED (3.5.1.i)?

☐ YES ☒ NO

IF YES, SPECIFY THE LOCATION OF THE ACTIVITY AND ITS PERMIT NUMBER: _____

12. SPILL PREVENTION, MANAGEMENT AND NOTIFICATION (3.5.5.c, 5.1)

12.1. SPILL PREVENTION (3.5.5.c)

12.1.1. CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ON-SITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE TANKS WITH AGGREGATE STORAGE CAPACITY IN EXCESS OF 1,320 GALLONS SHALL HAVE SECONDARY CONTAINMENT.

12.1.2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN AS REQUIRED BY TDOT SPECIAL PROVISION 107FP (REGARDING WATER QUALITY AND STORM WATER PERMITS) AND THE LAW.

12.1.3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ON-SITE AND A COPY PROVIDED TO THE TDOT CONSTRUCTION ENGINEER.

12.2. MATERIAL MANAGEMENT

12.2.1. HOUSEKEEPING

ONLY NEEDED PRODUCTS WILL BE STORED ON-SITE BY THE CONTRACTOR. EXCEPT FOR BULK MATERIALS THE CONTRACTOR WILL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING WILL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHEN POSSIBLE, ALL PRODUCTS WILL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF SITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS WILL BE FOLLOWED. THE CONTRACTOR'S SITE SUPERINTENDENT WILL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL. DUST GENERATED WILL BE CONTROLLED IN AN ENVIRONMENTALLY SAFE MANNER. VEGETATION AREAS NOT ESSENTIAL TO THE CONSTRUCTION PROJECT WILL BE PRESERVED AND MAINTAINED AS NOTED ON THE PLANS.

12.2.2. HAZARDOUS MATERIALS

PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THE CONTAINER IS NOT RE-SEALABLE. ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS WILL BE RETAINED IN A SAFE PLACE TO RELAY IMPORTANT PRODUCT INFORMATION. IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S LABEL DIRECTIONS FOR DISPOSAL WILL BE FOLLOWED. MAINTENANCE AND REPAIR OF ALL EQUIPMENT AND VEHICLES INVOLVING OIL CHANGES, HYDRAULIC SYSTEM DRAIN DOWN, DE-GREASING OPERATIONS, FUEL TANK DRAIN DOWN AND REMOVAL, AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER DURING WET WEATHER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND. WHEEL WASH WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM. POTENTIAL pH-MODIFYING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS AND CURING WATERS, CONCRETE PUMPING, AND MIXER WASHOUT WATERS WILL BE COLLECTED ON SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.

12.3. PRODUCT SPECIFIC PRACTICES

12.3.1. PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.

12.3.2. FERTILIZERS: FERTILIZERS WILL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED BY THE SOIL ANALYSIS OR TDOT. ONCE APPLIED, FERTILIZERS WILL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. FERTILIZERS WILL BE STORED IN AN ENCLOSED AREA UNDER COVER. THE CONTENTS OF PARTIALLY USED FERTILIZER BAGS WILL BE TRANSFERRED TO SEALABLE CONTAINERS TO AVOID SPILLS.

12.3.3. PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. THE EXCESS WILL BE DISPOSED OF PER THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.

12.3.4. CONCRETE TRUCKS: CONTRACTORS WILL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED AND NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE. UPON COMPLETION OF CONSTRUCTION WASHOUT AREAS WILL BE PROPERLY STABILIZED.

12.4. SPILL MANAGEMENT

IN ADDITION TO THE PREVIOUS HOUSEKEEPING AND MANAGEMENT PRACTICES, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP IF NECESSARY:

12.4.1. FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP WILL BE CLEARLY POSTED. SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.

12.4.2. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE AND UNDER COVER. AS APPROPRIATE, EQUIPMENT AND MATERIALS MAY INCLUDE ITEMS SUCH AS BOOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR CLEAN UP PURPOSES.

12.4.3. ALL SPILLS WILL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA

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WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

12.4.4. THE CONTRACTOR'S RESPONSIBLE PARTY WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.

12.4.5. IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING THE SITE AND ENTERING RECEIVING WATERS, PERSONNEL WILL RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.

12.4.6. IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.

12.4.7. IF A SPILL OCCURS THE CONTRACTOR'S SITE SUPERINTENDENT SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT CONSTRUCTION ENGINEER AND/OR PROJECT ENGINEER. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.

12.4.8. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.

12.5. SPILL NOTIFICATION (5.1)

WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO, OR MORE THAN A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD:

12.5.1. THE TDOT PROJECT ENGINEER IS RESPONSIBLE FOR NOTIFYING THE REGIONAL PROJECT DEVELOPMENT OFFICE (E.G. TRANSPORTATION ENVIRONMENTAL STUDIES SPECIALIST) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE.

12.5.2. THE TDOT REGIONAL PROJECT DEVELOPMENT OFFICE WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.

12.5.3. IN ADDITION TO ANY FOLLOW UP NOTIFICATIONS REQUIRED BY FEDERAL LAW, A WRITTEN DESCRIPTION OF THE RELEASE, DATE OF RELEASE AND CIRCUMSTANCES LEADING TO THE RELEASE, WHAT ACTIONS WERE TAKEN TO MITIGATE EFFECTS OF THE RELEASE, AND STEPS TAKEN TO MINIMIZE THE CHANCE OF FUTURE OCCURRENCES WILL BE SUBMITTED TO THE APPROPRIATE TDEC ENVIRONMENTAL FIELD OFFICE WITHIN 14 DAYS OF KNOWLEDGE OF THE RELEASE.

12.5.4. THE SWPPP MUST BE MODIFIED WITHIN 14 DAYS OF KNOWLEDGE OF THE RELEASE PROVIDING A DESCRIPTION OF THE RELEASE, CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF RELEASE. THE SWPPP WILL BE REVIEWED AND MODIFIED AS NECESSARY TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.

13. RECORD-KEEPING

13.1. REQUIRED RECORDS

TDOT OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MAINTAIN AT THE SITE THE FOLLOWING RECORDS OF CONSTRUCTION ACTIVITIES (3.5.3.1.m) (4.1.5.) (6.2.1):

13.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR.

13.1.2. THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE.

13.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.

13.1.4. RECORDS EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES.

13.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS.

13.1.6. COPY OF SITE EPSC INSPECTOR'S CERTIFICATION AND/OR LICENSING

13.1.7. COPY OF REQUIRED SOIL ANALYSIS

13.1.8. A COPY OF ANY REGULATORY CORRESPONDENCE REGARDING THE EFFECTIVENESS OF THE *SWPPP* OR EPSC CONTROLS.

13.2. RAINFALL MONITORING PLAN (3.5.3.1.o):

13.2.1. EQUIPMENT

AT A MINIMUM, THE CONTRACTOR WILL INSTALL A FENCE POST TYPE RAIN GAUGE TO MEASURE RAINFALL. THE STANDARD FENCE POST RAIN GAUGE WILL BE A WEDGE-SHAPED GAUGE THAT MEASURES UP TO 6 INCHES OF RAINFALL. AN ENGLISH SCALE WILL BE PROVIDED ON ONE FACE, WITH A METRIC SCALE ON THE OTHER FACE. GRADUATION WILL BE PERMANENTLY MOLDED IN DURABLE WEATHER-RESISTANT PLASTIC. THE MINIMUM GRADUATION WILL BE 0.01 INCH (OR 0.1MM). AN ALUMINUM BRACKET WITH SCREWS MAY BE USED TO MOUNT THE GAUGE ON A WOODEN SUPPORT.

13.2.2. LOCATION

THE RAIN GAUGE WILL BE LOCATED AT OR ALONG THE PROJECT SITE, AS DEFINED IN THE NOI OF THE NPDES PERMIT, IN AN OPEN AREA SUCH THAT THE MEASUREMENT WILL NOT BE INFLUENCED BY OUTSIDE FACTORS (I.E. OVERHANGS, GUTTER, TREES, ETC.). AT LEAST ONE RAIN GAUGE PER LINEAR MILE IS REQUIRED ALONG (AS MEASURED ALONG THE CENTERLINE OF THE PRIMARY ALIGNMENT) THE PROJECT WHERE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING IS ACTIVELY PERFORMED, OR EXPOSED SOIL HAS NOT YET BEEN PERMANENTLY STABILIZED.

13.2.3. METHODS

RAINFALL MONITORING WILL BE INITIATED PRIOR TO CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING, OR FILLING, EXCEPT AS SUCH MINIMAL CLEARING MAY BE NECESSARY TO INSTALL A RAIN GAUGE IN AN OPEN AREA. THE RAIN GAUGE WILL BE CHECKED FOR OPERATIONAL SOUNDNESS DAILY (DURING NORMAL BUSINESS HOURS) IN WET TIMES AND WEEKLY IN DRY TIMES. GAUGES WILL BE REPAIRED OR REPLACED ON THE SAME DAY IF FOUND TO BE NON-OPERATIONAL OR MISSING.

13.2.4. EACH RAIN GAUGE WILL BE READ (FOR DETAILED RECORDS OF RAINFALL) AND EMPTIED AFTER EVERY RAINFALL EVENT OCCURRING ON THE PROJECT SITE AT APPROXIMATELY THE SAME TIME OF THE DAY (DURING NORMAL BUSINESS HOURS). DURING PERIODS OF DRY CONDITIONS, IT WILL NOT BE NECESSARY TO READ THE RAIN GAUGE EVERY DAY. IN LIEU OF THIS REQUIREMENT ON WEEKENDS AND ON STATE HOLIDAYS, THE RAIN GAUGES CAN BE EMPTIED THE NEXT BUSINESS DAY AND A REFERENCE SITE USED FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION FOR THOSE DAYS. A REFERENCE SITE IS THE DOCUMENTATION FROM THE CLOSEST GAUGE WITHIN PROXIMITY OF THE PROJECT FROM A RECOGNIZED SOURCE SUCH AS THE NOAA NATIONAL WEATHER SERVICE.

13.2.5. DETAILED RECORDS WILL BE RECORDED OF RAINFALL EVENTS INCLUDE DATES, AMOUNTS OF RAINFALL, AND THE APPROXIMATE DURATION (OR THE STARTING AND ENDING TIMES). THE RAINFALL RECORDS SHALL BE RECORDED ON THE TDOT RAINFALL RECORD SHEET AND SHALL BE MAINTAINED IN THE "DOCUMENTATION AND PERMITS" BINDER.

13.2.6. IF THE RAINFALL EVENT IS STILL IN PROGRESS AT THE DAILY RECORDING TIME, THE GAUGE WILL BE EMPTIED AND THE RECORD WILL INDICATE THAT THE STORM EVENT WAS STILL IN PROGRESS.

13.2.7. RAIN GAUGE INFORMATION (DETAILED RECORDS), INCLUDING THE LOCATION OF THE NEAREST OUTFALL, WILL BE RECORDED ON THE EPSC INSPECTION REPORT FORMS AT THE TIME OF MEASUREMENT.

13.3. KEEPING PLANS CURRENT (3.4)

13.3.1. THE EPSC PLAN IS TO SERVE AS AN INITIAL GUIDE FOR SITE PERSONNEL AS THE CONSTRUCTION PROCESS DEVELOPS. IT MUST BE AMENDED, MODIFIED, AND UPDATED WHENEVER EPSC INSPECTIONS INDICATE, OR WHERE STATE OR FEDERAL REGULATORY OFFICIALS DETERMINE EPSC MEASURES ARE PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES OR ARE OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.

13.3.2. THE STAGES DEPICTED WITHIN THE EPSC PLANS MAY NOT COINCIDE WITH THE ACTUAL STAGES OF CONSTRUCTION ESTABLISHED BY THE CONTRACTOR DURING CONSTRUCTION, THUS MODIFICATIONS WILL BE REQUIRED TO ENSURE THE EPSC PLAN IS MAINTAINED TO DEPICT CURRENT SITE CONDITIONS. IT SHOULD BE MAINTAINED SUCH THAT IT WILL ALWAYS REFLECT THE MEASURES THAT ARE INSTALLED DURING THE VARIOUS STAGES OF CONSTRUCTION. IT IS IMPRACTICAL TO DETERMINE ALL THE INTERMEDIATE STAGES OF CONSTRUCTION THAT WILL OCCUR, THUS THESE DOCUMENTS MUST BE UPDATED THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT.

13.3.3. THE TDOT EPSC INSPECTOR OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL MODIFY AND UPDATE THE SWPPP WHEN ANY OF THE FOLLOWING CONDITIONS APPLY:

13.3.3.1. WHENEVER THERE IS A CHANGE IN THE SCOPE OF THE PROJECT THAT WOULD BE EXPECTED TO HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE SWPPP;

13.3.3.2. WHENEVER INSPECTIONS OR INVESTIGATIONS BY SITE OPERATORS, LOCAL, STATE, OR FEDERAL OFFICIALS INDICATE THE SWPPP IS PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM CONSTRUCTION ACTIVITY SOURCES, OR IS OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY; WHERE LOCAL, STATE, OR FEDERAL OFFICIALS DETERMINE THAT THE SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES, A COPY OF ANY CORRESPONDENCE TO THAT EFFECT MUST BE RETAINED IN THE SWPPP;

13.3.3.3. WHEN ANY NEW OPERATOR AND/OR SUB-OPERATOR IS ASSIGNED OR RELIEVED OF THEIR RESPONSIBILITY TO IMPLEMENT A PORTION OF THE SWPPP;

13.3.3.4. TO PREVENT A NEGATIVE IMPACT TO LEGALLY PROTECTED STATE OR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED AQUATIC FAUNA;

13.3.3.5. WHEN THERE IS A CHANGE IN CHEMICAL TREATMENT METHODS INCLUDING: USE OF DIFFERENT TREATMENT CHEMICALS, DIFFERENT DOSAGE OR APPLICATION RATES OR A DIFFERENT AREA OF APPLICATION NOT SPECIFIED ON THE EPSC PLANS.

13.3.3.6. ALL SWPPP REVISION(S) SHALL BE RECORDED WITHIN 7 DAYS BY THE PROJECT EPSC INSPECTOR.

13.3.3.7. WHEN A TMDL IS DEVELOPED FOR THE RECEIVING WATERS FOR A POLLUTANT OF CONCERN (SILTATION AND/OR HABITAT ALTERATION), CONSTRUCTION SHALL NOTIFY THE PERMITS SECTION FOR PROPER COORDINATION.

13.4. MAKING PLANS ACCESSIBLE

13.4.1. TDOT WILL RETAIN A COPY OF THIS SWPPP (INCLUDING A COPY OF THE "DOCUMENTATION AND PERMITS" BINDER AT THE CONSTRUCTION SITE (OR OTHER LOCATION ACCESSIBLE TO TDEC AND THE PUBLIC) FROM THE DATE CONSTRUCTION COMMENCES TO THE DATE OF FINAL STABILIZATION. TDOT WILL HAVE A COPY OF THE SWPPP AVAILABLE AT THE LOCATION WHERE WORK IS OCCURRING ON-SITE FOR THE USE OF OPERATORS AND THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE (6.2).

13.4.2. PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND UNTIL THE SITE HAS MET THE FINAL STABILIZATION CRITERIA, TDOT OR THEIR DULY AUTHORIZED REPRESENTATIVE WILL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION (3.3.3) (6.2.1):

13.4.2.1. A COPY OF THE NOTICE OF COVERAGE (NOC) WITH THE NPDES PERMIT NUMBER FOR THE PROJECT;

13.4.2.2. THE INDIVIDUAL NAME, COMPANY NAME, E-MAIL ADDRESS (IF APPLICABLE) AND TELEPHONE NUMBER OF THE LOCAL PROJECT SITE OWNER AND OPERATOR CONTACT;

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13.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND

13.4.2.4. THE LOCATION OF THE SWPPP.

13.4.3. ALL INFORMATION DESCRIBED IN SECTION 13.4.2 MUST BE MAINTAINED IN LEGIBLE CONDITION. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE DUE TO SAFETY CONCERNS, THE NOTICE SHALL BE POSTED IN A LOCAL BUILDING. THE NOTICE MUST BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION WHERE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY.

13.5. NOTICE OF TERMINATION (8.0)

13.5.1. WHEN ALL STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED BY FINAL STABILIZATION, THE TDOT REGIONAL ENGINEER WILL SUBMIT A NOTICE OF TERMINATION (NOT) THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT TO THE TDEC CENTRAL OFFICE IN NASHVILLE, TN.

13.5.2. FOR THE PURPOSES OF THE CERTIFICATION REQUIRED BY THE NOT, THE ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY MEANS THE

13.5.2.1. ALL EARTH-DISTURBING ACTIVITIES ON THE SITE ARE COMPLETED AND ALL DISTURBED SOILS AT THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL HAVE BEEN FINALLY STABILIZED; AND

13.5.2.2. ALL CONSTRUCTION MATERIALS, WASTE AND WASTE HANDLING DEVICES, AND ALL EQUIPMENT, AND VEHICLES THAT WERE USED DURING CONSTRUCTION HAVE BEEN REMOVED AND PROPERLY DISPOSED; AND

13.5.2.3. ALL STORMWATER CONTROLS THAT WERE INSTALLED AND MAINTAINED DURING CONSTRUCTION, EXCEPT THOSE THAT ARE INTENDED FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE, HAVE BEEN REMOVED; AND

13.5.2.4. ALL POTENTIAL POLLUTANTS AND POLLUTANT GENERATING ACTIVITIES ASSOCIATED WITH CONSTRUCTION HAVE BEEN REMOVED; AND

13.5.2.5. THE PERMITTEE HAS IDENTIFIED WHO IS RESPONSIBLE FOR ONGOING MAINTENANCE OF ANY STORMWATER CONTROLS LEFT ON THE SITE FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE; AND

13.5.2.6. TEMPORARY EPSC MEASURES HAVE BEEN OR WILL BE REMOVED AT AN APPROPRIATE TIME TO ENSURE FINAL STABILIZATION IS MAINTAINED; AND

13.5.2.7. ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY A NPDES GENERAL PERMIT HAVE OTHERWISE BEEN ELIMINATED FROM THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL.

13.6. RETENTION OF RECORDS (6.2)

TDOT WILL RETAIN COPIES OF THE SWPPP, ALL REPORTS REQUIRED BY THE PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR THE PROJECT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THE NOT WAS FILED.

14. SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (7.7.5)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED BY ME, OR UNDER MY DIRECTION OR SUPERVISION. THE SUBMITTED INFORMATION IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

John L. Hewitt

AUTHORIZED TDOT PERSONNEL SIGNATURE (3.3.1)

John Hewitt

PRINTED NAME

CE Manager 2

TITLE

6/29/2017

DATE

15. SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (7.7.6)

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS DOCUMENT, ANY ATTACHMENTS, AND THE SWPPP REFERENCED ABOVE. BASED ON MY INQUIRY OF THE CONSTRUCTION SITE OWNER/DEVELOPER IDENTIFIED ABOVE AND/OR MY INQUIRY OF THE PERSON DIRECTLY RESPONSIBLE FOR ASSEMBLING THIS NOI AND SWPPP, I BELIEVE THE INFORMATION SUBMITTED IS ACCURATE. I AM AWARE THAT THIS NOI, IF APPROVED, MAKES THE ABOVE-DESCRIBED CONSTRUCTION ACTIVITY SUBJECT TO NPDES PERMIT NUMBER TNR100000, AND THAT CERTAIN OF MY ACTIVITIES ONSITE ARE THEREBY REGULATED. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS, AND FOR FAILURE TO COMPLY WITH THESE PERMIT REQUIREMENTS. AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED TDOT PERSONNEL SIGNATURE (3.3.1)

PRINTED NAME

TITLE

DATE

16. ENVIRONMENTAL PERMITS (9.0)

LIST ALL ENVIRONMENTAL PERMITS AND EXPIRATION DATES FOR PROJECT **(TO BE COMPLETED AT THE ENVIRONMENTAL PRECONSTRUCTION MEETING BY TDOT CONSTRUCTION OR THEIR DULY AUTHORIZED REPRESENTATIVE)**:

ENVIRONMENTAL PERMITS			
PERMIT	**YES OR NO**	**PERMIT OR TRACKING NO.**	**EXPIRATION DATE***
TDEC ARAP			
CORPS OF ENGINEERS (USACE)			
TVA 26A			
TDEC CGP			
OTHER:			

*THE TDOT ENVIRONMENTAL DIVISION MUST BE NOTIFIED SIX MONTHS PRIOR TO PERMIT EXPIRATION DATE.

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2017	40003-1213-14	
CONST.	2017	NH-54(26)	S-8

OUTFALL TABLE (3.5.1.d, 5.4.1.g)

EPSC STAGE	OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	STAGE 4 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
1-4	1		13+95.16 RT		2.42	2.42	2.42	2.42	NO	OFF ROW	
1-4		1A	14+80.00 LT	6.20	0.16	0.16	0.16	0.16	NO	CLOSED DRAINAGE SYSTEM	
1-2		1B	16+77.82 LT	1.90	0.09	0.09			NO	CLOSED DRAINAGE SYSTEM	
1-3		1C	16+77.82 RT	1.64	0.12	0.12	0.12		NO	CLOSED DRAINAGE SYSTEM	
1-4		1D	14+05.00 RT	2.50	0.92	0.92	0.92	0.92	NO	CLOSED DRAINAGE SYSTEM	
1-2	2		21+14.56 RT	5.20	0.34	0.34			NO	OFF ROW	
1-4	3		24+75.00 RT	5.60	0.09	0.09	0.14	0.14	NO	STR-1	
1-3	4		24+81.82 RT		0.90	0.90	0.01		NO	STR-1	
1-3		4A	24+80.01 RT	16.00	0.01	0.01	0.01		NO	STR-1	
1-2		4B	24+78.55 CL	3.20	0.09	0.09			NO	STR-1	
1-2		4C	23+71.29 CL	4.90	0.80	0.80			NO	STR-1	
1-4	5		28+43.66 LT	15.00	2.15	2.15	2.15	2.15	NO	STR-1	
1-3	6		28+90.00 RT		0.20	0.20	0.20		NO	STR-1	
1-3		6A	28+90.00 RT	3.2	0.10	0.10	0.10		NO	STR-1	
1-2		6B	28+75.64 CL	3.2	0.10	0.10			NO	STR-1	
1-3	7		35+00.00 RT		0.40	0.40	0.40		NO	STR-2	
1-3		7A	34+84.44 RT	5.70	0.20	0.20	0.20		NO	STR-2	
1-3		7B	34+84.44 LT	5.70	0.20	0.20	0.20		NO	STR-2	
1	8		38+80.00 LT	6.20	0.24				NO	STR-2	
1-3	9		40+82.34 RT		0.49	0.49	0.49		NO	CLOSED DRAINAGE SYSTEM	
1-3		9A	40+82.34 RT	2.30	0.09	0.09	0.09		NO	CLOSED DRAINAGE SYSTEM	
1-3		9B	42+36.95 RT	3.50	0.17	0.17	0.17		NO	CLOSED DRAINAGE SYSTEM	
1-2		9C	40+82.34 LT	1.50	0.10	0.10			NO	CLOSED DRAINAGE SYSTEM	
1-2		9D	40+46.64 LT	2.80	0.05	0.05			NO	CLOSED DRAINAGE SYSTEM	
1-2		9E	41+19.13 RT	6.50	0.08	0.08			NO	CLOSED DRAINAGE SYSTEM	
1-3	10		47+83.64 RT	2.40	0.03	0.03	0.03		NO	STR-3	
1-2	11		48+24.55 LT	6.00	0.12	0.12			NO	STR-3	
1-3	12		53+27.00 RT	4.20	0.07	0.07	0.07		NO	STR-3	
1-2	13		53+78.18 RT	10.00	0.08	0.08			NO	OFF ROW	
1	14		56+54.55 LT	12.00	0.08				NO	WTL-5	
1-2		14A	56+91.82 LT	4.80	0.05	0.05			NO	WTL-5	
1	15		60+00.00 LT	7.00	1.20				NO	OFF ROW	
1-2		15A	60+53.94 RT	5.20	0.85	0.85			NO	OFF ROW	
1	16		61+26.06 RT	9.00	0.05				NO	OFF ROW	
1-4	17		31+43.50 RT COOK ST	30.00	0.14	0.14	0.14	0.14	NO	OFF ROW	
1-4	18		31+43.50 LT COOK ST	15.00	0.16	0.16	0.16	0.16	NO	OFF ROW	
1-4	19		69+26.67 RT		0.08	0.73	1.85	1.85	NO	WWC-EPH-1	
1-2		19A	69+26.67 CL	2.20	0.02	0.02			NO	OFF ROW	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENNESSEE D.O.T. | DESIGN DIVISION | FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2017	40003-1213-14	
CONST.	2017	NH-54(26)	S-9

EPSC STAGE	OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	STAGE 4 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
1-4		19B	69+15.00 LT	11.00	0.06	0.28	0.28	0.28	NO	CLOSED DRAINAGE SYSTEM	
2-4		19C	69+60.00 RT	2.11		0.35	0.35	0.35	NO	CLOSED DRAINAGE SYSTEM	
2-4		19D	19+15.00 LT	2.49		0.10	0.10	0.10	NO	CLOSED DRAINAGE SYSTEM	
3-4		19E	68+35.00 LT	7.50			0.38	0.38	NO	CLOSED DRAINAGE SYSTEM	
3-4		19F	68+35.00 LT	2.11			0.35	0.35	NO	CLOSED DRAINAGE SYSTEM	
3-4		19G	67+22.00 LT	10.00			0.39	0.39	NO	CLOSED DRAINAGE SYSTEM	
1-4	20		73+95.15 RT		0.59	1.83	7.14	7.31	NO	OFF ROW	
1		20A	73+95.15 CL	15.00	0.14				NO	CLOSED DRAINAGE SYSTEM	
1-4		20B	74+16.50 LT	6.20	0.45	0.51	0.51	0.51	NO	CLOSED DRAINAGE SYSTEM	
2-4		20C	74+05.48 RT	2.04		0.11	0.11	0.11	NO	CLOSED DRAINAGE SYSTEM	
2-4		20D	74+61.00 RT	2.26		0.24	0.24	0.24	NO	CLOSED DRAINAGE SYSTEM	
2-4		20E	73+48.00 RT	2.11		0.21	0.21	0.21	NO	CLOSED DRAINAGE SYSTEM	
2-4		20F	71+66.00 RT	2.11		0.19	0.19	0.19	NO	CLOSED DRAINAGE SYSTEM	
2-4		20G	77+00.00 RT	2.39		0.34	0.34	0.34	NO	CLOSED DRAINAGE SYSTEM	
2-4		20H	74+09.80 LT	2.00		0.09	0.09	0.09	NO	CLOSED DRAINAGE SYSTEM	
2-4		20I	74+50.00 LT	2.00		0.14	0.14	0.14	NO	CLOSED DRAINAGE SYSTEM	
3-4		20J	73+62.00 LT	2.00			0.24	0.24	NO	CLOSED DRAINAGE SYSTEM	
3-4		20K	71+66.00 LT	2.11			1.16	1.16	NO	CLOSED DRAINAGE SYSTEM	
3-4		20L	75+96.00 LT	2.11			0.20	0.20	NO	CLOSED DRAINAGE SYSTEM	
3-4		20M	77+79.82 LT	2.39			0.27	0.27	NO	CLOSED DRAINAGE SYSTEM	
3-4		20N	73+62.00 LT	2.39			0.30	0.30	NO	CLOSED DRAINAGE SYSTEM	
3-4		20O	74+50.00 LT	5.71			2.15	2.15	NO	CLOSED DRAINAGE SYSTEM	
3-4		20P	75+42.00 LT	2.75			0.15	0.15	NO	CLOSED DRAINAGE SYSTEM	
3-4		20Q	75+96.00 LT	2.65			0.24	0.24	NO	CLOSED DRAINAGE SYSTEM	
3-4		20R	29+00.00 LT ELM ST.	5.73			0.60	0.60	NO	CLOSED DRAINAGE SYSTEM	
4		20S	78+12.00 LT	7.94				0.17	NO	CLOSED DRAINAGE SYSTEM	
1	21		81+75.00 RT	3.70	0.12				NO	WWC-1/EPH-1	
1-4	22		84+43.00 RT		7.32*	8.75*	11.39*	11.39	NO	WWC-1/EPH-1	*7.11 AC IS OFF-SITE RUNOFF DIVERTED THROUGH THE SITE BY EXISTIG DRAINAGE STRUCTURES
1-4		22A	85+26.18 LT	7.50	0.02	0.11	0.11	0.11	NO	CLOSED DRAINAGE SYSTEM	
1-4		22B	84+76.00 LT	7.50	0.19	0.10	0.10	0.10	NO	CLOSED DRAINAGE SYSTEM	
2-4		22C	85+16.00 LT	3.60		0.14	0.14	0.14	NO	CLOSED DRAINAGE SYSTEM	
2-4		22D	84+76.00 LT	3.60		0.17	0.17	0.17	NO	CLOSED DRAINAGE SYSTEM	
2-4		22E	84+83.00 LT	3.60		0.32	0.32	0.32	NO	CLOSED DRAINAGE SYSTEM	
2-4		22F	84+43.00 RT	3.60		0.07	0.07	0.07	NO	CLOSED DRAINAGE SYSTEM	
2-4		22G	84+76.00 RT	3.60		0.28	0.28	0.28	NO	CLOSED DRAINAGE SYSTEM	
2-4		22H	81+75.00 RT	3.60		0.14	0.14	0.14	NO	CLOSED DRAINAGE SYSTEM	
2-4		22I	84+50.00 RT	3.60		0.31	0.31	0.31	NO	CLOSED DRAINAGE SYSTEM	
3-4		22J	81+65.00 LT	4.20			0.73	0.73	NO	CLOSED DRAINAGE SYSTEM	
3-4		22K	81+80.00 LT	2.11			0.42	0.42	NO	CLOSED DRAINAGE SYSTEM	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

EPSC STAGE	OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	STAGE 4 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
3-4		22L	29+00.00 RT ALLISON ST.	1.82			0.09	0.09	NO	CLOSED DRAINAGE SYSTEM	
3-4		22M	83+00.00 LT	3.20			0.32	0.32	NO	CLOSED DRAINAGE SYSTEM	
3-4		22N	85+90.00 LT	3.50			0.35	0.35	NO	CLOSED DRAINAGE SYSTEM	
3-4		22O	88+60.00 LT	2.95			0.33	0.33	NO	CLOSED DRAINAGE SYSTEM	
3-4		22P	90+61.00 LT	2.05			0.23	0.23	NO	CLOSED DRAINAGE SYSTEM	
3-4		22Q	90+61.00 LT	4.03			0.17	0.17	NO	CLOSED DRAINAGE SYSTEM	
1-4	23		32+00.00 RT OLD PARIS-MURRAY HWY.	4.80	0.08	0.08	0.08	0.08	NO	WWC-2/EPH-2	
1-4	24		32+00.00 LT OLD PARIS-MURRAY HWY	16.00	0.14	0.14	0.14	0.14	NO	WWC-2/EPH-2	
1-4	25		95+47.89 RT	9.00	9.78	9.78	9.78	9.78	NO	WWC-2/WPH-2	
1-4		25A	95+11.63 LT	1.45	0.28*	0.28*	0.28*	0.28*	NO	WWC-2/EPH-2	*OFF-SITE STORM WATER RUNOFF IS DIVERTED THROUGH THE SITE BY WAY OF SLOPE DRAINS, EXISTIN PIPES, STABILIZES CHANNELS OR PROPOSED PIPES.
1-4		25B	95.29.42 LT	2.80	0.45*	0.45*	0.45*	0.45*	NO	WWC-2/EPH-2	
1-4		25C	96+37.49 LT	4.50	0.13*	0.13*	0.13*	0.13*	NO	WWC-2/EPH-2	
1-4		25D	95+46.79 LT	6.70	2.28*	2.28*	2.28*	2.28*	NO	WWC-2/EPH-2	
1-4	26		101+12.70 RT		39.52	40.44	42.24	42.24	NO	WWC-2/EPH-2	
1-4		26A	100+91.70 LT	8.00	0.09*	0.35*	0.35	0.35	NO	CLOSED DRAINAGE SYSTEM	*OFF-SITE STORM WATER RUNOFF IS DIVERTED THROUGH THE SITE BY WAY OF SLOPE DRAINS, EXISTIN PIPES, STABILIZES CHANNELS OR PROPOSED PIPES.
1-4		26B	101+09.50 RT	33.00	0.50	0.43	0.43	0.43	NO	CLOSED DRAINAGE SYSTEM	
1-4		26C	100+73.02 LT	23.00	38.93*	39.93*	38.93	38.93	NO	CLOSED DRAINAGE SYSTEM	*OFF-SITE STORM WATER RUNOFF IS DIVERTED THROUGH THE SITE BY WAY OF SLOPE DRAINS, EXISTIN PIPES, STABILIZES CHANNELS OR PROPOSED PIPES.
1-4		26D	99+19.00 RT	3.34		0.73	0.73	0.73	NO	CLOSED DRAINAGE SYSTEM	
1-4		26E	99+19.00 LT	3.34			1.12	1.12	NO	CLOSED DRAINAGE SYSTEM	
1-4		26F	86+85.00 LT	3.34			0.64	0.64	NO	CLOSED DRAINAGE SYSTEM	
1-4		26G	96+85.00 LT	4.47			0.04	0.04	NO	CLOSED DRAINAGE SYSTEM	
1-4	27		103+33.84 LT	24.00	0.41	0.41	0.65	0.65	NO	STR-4	
3-4		27A	28.92.00 RT LOGAN RD	6.32			0.23	0.23	NO	CLOSED DRAINAGE SYSTEM	
3-4		27B	101+75.00 LT	2.34			0.17	0.17	NO	CLOSED DRAINAGE SYSTEM	
3-4		27C	101+77.00 LT	2.63			0.25	0.25	NO	CLOSED DRAINAGE SYSTEM	
1-4	28		104+16.89 LT	72.00	0.31	0.31	0.31	0.31	NO	STR-4	
1-4	29		104+20.78 RT	13.00	0.66	0.66	0.66	0.66	NO	STR-4	
1-4	30		104+38.77 RT	9.30	0.86	0.86	0.86	0.86	NO	STR-4	
1-4	31		119+07.70 RT	63.00	0.28	0.28	0.28	0.28	NO	STR-5	
1-4	32		119+22.65 RT	15.80	0.06	0.06	0.06	0.06	NO	STR-5	
1-4	33		119+28.58 LT	57.30	0.40	0.40	0.40	0.40	NO	STR-5	
1-4	34		119+54.79 LT	8.80	1.07	1.07	1.07	1.07	NO	STR-5	
1-4	35		125+50.00 LT	9.85	1.70	1.70	1.70	1.70	NO	PND-1	
1-4	36		127+00.00 RT	16.90	0.49	0.49	0.49	0.49	NO	STR-6	

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
P.E.	2017	40003-1213-14	
CONST.	2017	NH-54(26)	S-11

EPSC STAGE	OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	STAGE 4 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
1-4	37		127+19.37 RT	13.30	0.11	0.11	0.11	0.11	NO	STR-6	
1-4	38		128+54.33 LT	23.10	0.33	0.33	0.33	0.33	NO	PND-1	
1-4	39		129+58.32 RT	11.15	0.27	0.27	0.27	0.27	NO	STR-7	
1-4	40		129+76.79 RT	19.81	0.92	0.92	0.92	0.92	NO	STR-7	
1-4	41		129+98.19 LT	13.23	0.28	0.28	0.28	0.28	NO	STR-7	
1-4	42		130+10.51 LT	5.89	0.81	0.81	0.81	0.81	NO	STR-7	
1-4	43		136+49.81 RT	72.60	0.14	0.14	0.14	0.14	NO	STR-8	
1-4	44		136+67.02 RT	42.50	0.10	0.10	0.10	0.10	NO	STR-8	
1-4	45		137+75.84 LT	17.70	0.35	0.35	0.35	0.35	NO	STR-8	
1-4	46		138+10.41 LT	13.71	3.18	3.18	3.18	3.18	NO	STR-8	
1-2	47		144+20.00 RT	35.60	0.09	0.09			NO	WWC-6/EPH-6	
1-2	48		144+54.31 LT LORENA LANE	6.11	0.42	0.42			NO	WWC-6/EPH-6	
1-2	49		143+91.48 LT	2.45	0.18	0.18			NO	WWC-6/EPH-6	
1-2	50		145+38.04 LT	23.57	0.38	0.38			NO	WWC-6/EPH-6	
1-2	51		150+63.56 LT	17.61	0.66	0.66			NO	WWC-7/EPH-7	
1-2	52		150+94.33 LT	12.78	1.63	1.63			NO	WWC-7/EPH-7	
1-2	53		150+69.71 RT	17.51	0.25	0.25			NO	WWC-7/EPH-7	
1-2	54		150+88.18 RT	19.64	0.26	0.26			NO	WWC-7/EPH-7	
1-2	55		155+60.00 RT	29.47	1.09	1.09			NO	STR-9	
1-2	56		155+48.23 LT	25.63	1.02	1.02			NO	STR-9	
2-4	57		38+87.00 LT			1.81	1.81	1.81	NO	WTL-2	
2-4		57A	38+87.00LT	4.67		0.10	0.10	0.10	NO	CLOSED DRAINAGE SYSTEM	
2-4		57B	32+50.00 LT	4.52		0.26	0.26	0.26	NO	CLOSED DRAINAGE SYSTEM	
2-4		57C	29+50.00 LT	3.28		0.25	0.25	0.25	NO	CLOSED DRAINAGE SYSTEM	
2-4		57D	26+66.00 LT	2.47		0.29	0.29	0.29	NO	CLOSED DRAINAGE SYSTEM	
2-4		57E	24+55.00 LT	4.14		0.18	0.18	0.18	NO	CLOSED DRAINAGE SYSTEM	
2-4		57F	23+50.00 LT	4.17		0.40	0.40	0.40	NO	CLOSED DRAINAGE SYSTEM	
2-4		57G	21+00.00 LT	2.95		0.33	0.33	0.33	NO	CLOSED DRAINAGE SYSTEM	
2-4	58		34+15.00 LT	35.90		1.50	1.50	1.50	NO	STR-2	
2-4	59		35+36.00 LT	40.40		7.16	7.16	7.16	NO	STR-2	
2-4		59A	38+30.00 LT	4.80		0.11	0.11	0.11	NO	STR-2	
2-4	60		38+00.00 RT			1.99	3.97	3.97	NO	WTL-4	
3-4		60A	38+00.00 RT	4.87			0.25	0.25	NO	CLOSED DRAINAGE SYSTEM	
3-4		60B	40+00.00 RT	3.78			0.37	0.37	NO	CLOSED DRAINAGE SYSTEM	
3-4		60C	40+25.00 LT	8.67			0.05	0.05	NO	CLOSED DRAINAGE SYSTEM	
2-4		60D	41+09.00 LT	5.45		0.08	0.08	0.08	NO	CLOSED DRAINAGE SYSTEM	
2-4		60E	41+09.00 LT	4.70		0.17	0.17	0.17	NO	CLOSED DRAINAGE SYSTEM	
2-4		60F	41+80.00 LT	4.00		0.03	0.03	0.03	NO	CLOSED DRAINAGE SYSTEM	
2-4		60G	42+45.00 LT	4.00		0.05	0.05	0.05	NO	CLOSED DRAINAGE SYSTEM	
2-4		60H	42+45.00 LT	11.80		0.16	0.16	0.16	NO	CLOSED DRAINAGE SYSTEM	

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EPSC STAGE	OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	STAGE 3 DRAINAGE AREA (AC)	STAGE 4 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
3-4		60I	45+50.00 LT	2.69			0.16	0.16	NO	CLOSED DRAINAGE SYSTEM	
2-4		60J	45+50.00 LT	9.80		0.16	0.16	0.16	NO	CLOSED DRAINAGE SYSTEM	
3-4		60K	45+50.00 LT	2.03			0.13	0.13	NO	CLOSED DRAINAGE SYSTEM	
2-4		60L	46+76.00 LT	3.04		1.29	1.29	1.29	NO	CLOSED DRAINAGE SYSTEM	
3-4		60M	45+50.00 LT	12.16		0.05	0.05	0.05	NO	CLOSED DRAINAGE SYSTEM	
3-4		60N	41+44.00 RT	2.77			0.25	0.25	NO	CLOSED DRAINAGE SYSTEM	
3-4		60O	41+80.00 RT	2.60			0.13	0.13	NO	CLOSED DRAINAGE SYSTEM	
3-4		60P	42+16.00 RT	6.50			0.33	0.33	NO	CLOSED DRAINAGE SYSTEM	
3-4		60Q	44+00.00 RT	2.03			0.20	0.20	NO	CLOSED DRAINAGE SYSTEM	
3-4		60R	46+28.00 RT	2.04			0.11	0.11	NO	CLOSED DRAINAGE SYSTEM	
	61*										*THE OUTFALL WAS LISTED IN THE TABLE BUT WAS NOT USED.
2-4	62		47+99.00 LT	2.45		0.13	0.13	0.13	NO	STR-3	
2-4	63		48+67 LT	4.31		0.40	0.78	0.78	NO	STR-3	
3-4		63A	49+51 LT	2.03			0.20	0.20	NO	CLOSED DRAINAGE SYSTEM	
3-4		63B	51+64 LT	3.22			0.18	0.18	NO	CLOSED DRAINAGE SYSTEM	
2-4	64		53+40 LT			2.64	2.64	2.64	NO	WTL-5	
2-4		64A	53+40 LT	5.35		0.26	0.26	0.26	NO	CLOSED DRAINAGE SYSTEM	
2-4		64B	56+00 LT	6.58		0.49	0.49	0.49	NO	CLOSED DRAINAGE SYSTEM	
2-4		64C	805+59 LT	7.70		0.37	0.37	0.37	NO	CLOSED DRAINAGE SYSTEM	
2-4		64D	61+15 LT	6.28		0.25	0.25	0.25	NO	CLOSED DRAINAGE SYSTEM	
2-4		64E	62+50 LT	4.00		0.97	0.97	0.97	NO	CLOSED DRAINAGE SYSTEM	
2-4		64F	62+94 RT	4.12		0.30	0.30	0.30	NO	CLOSED DRAINAGE SYSTEM	
2-4	**65**		31+25.00 LT LEONARD LANE	25.11		0.57	0.57	0.57	NO	STR-8	
3-4	66		34+00 RT				0.80	0.80	NO	WTL-3	
3-4		66A	34+00 RT	5.06			0.19	0.19	NO	CLOSED DRAINAGE SYSTEM	
3-4		66B	32+00 RT	4.01			0.22	0.22	NO	CLOSED DRAINAGE SYSTEM	
3-4		66C	29+50 RT	2.63			0.25	0.25	NO	CLOSED DRAINAGE SYSTEM	
3-4		66D	26+66 RT	3.04			0.14	0.14	NO	CLOSED DRAINAGE SYSTEM	
3-4	67		36+20 RT	5.37			0.41	0.41	NO	STR-2	
3-4	68		47+40 RT	2.04			0.11	0.11	NO	STR-3	
3-4	69		48+00 RT				1.14	1.14	NO	STR-3	
3-4		69A	48+92 RT	2.03			0.21	0.21	NO	CLOSED DRAINAGE SYSTEM	
3-4		69B	50+81 RT	2.39			0.32	0.32	NO	CLOSED DRAINAGE SYSTEM	
3-4		69C	54+00 RT	5.34			0.28	0.28	NO	CLOSED DRAINAGE SYSTEM	
3-4		69D	56+00 RT	7.19			0.14	0.14	NO	CLOSED DRAINAGE SYSTEM	
3-4		69E	58+20 RT	6.49			0.19	0.19	NO	CLOSED DRAINAGE SYSTEM	
3-4	70		29+29.00 RT SMITH RD	6.65			4.20	4.20	NO	WWC-1/EPH-1	

ALL UNUSED FIELDS WITHIN THE OUTFALL TABLE ARE TO BE SHADED, HATCHED, OR REMOVED TO INDICATE THEIR NON-USAGE.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

Index Of Sheets

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

HENRY COUNTY

S.R. 54 (U.S. 641) FROM NEAR RISON STREET
TO NEAR SMITH ROAD

RIGHT-OF-WAY

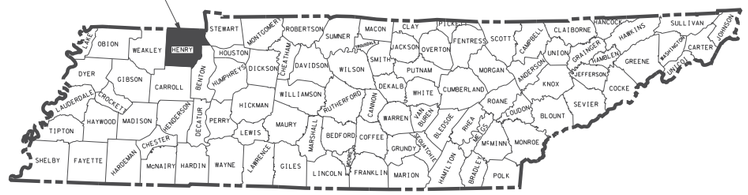
STATE HIGHWAY NO. 54 F.A.H.S. NO. 54

TENN.	YEAR	SHEET NO.
	2012	1
FED. AID PROJ. NO.	NHE-54(26)	
STATE PROJ. NO.	40003-2218-14	

REV. 06-22-12: REVISED INDEX OF SHEETS. ADDED SHEETS 9A1, 17J, & 19F.

REV. 12-02-16: REVISED INDEX, ADDED INTERIM PLAN SHEETS

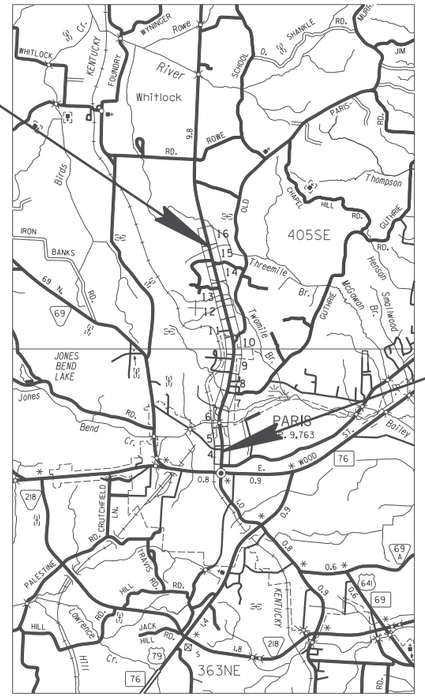
PROJECT LOCATION



NO EXCLUSIONS
NO EQUATIONS

40003-2218-14
END PROJ. NO. NHE-54(26) R.O.W.
STA. 161+00.00

40003-2218-14
BEGIN PROJ. NO. NHE-54(26) R.O.W.
STA. 15+24.51



SCALE: 1" - 5280'

N

RIGHT-OF-WAY LENGTH 2.761 MILES

SEALED BY

R.O.W. PLANS

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE:

APPROVED:
JOHN SCHROER, 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 MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT TRANS. MANAGER 1 LARRY JORDAN

DESIGNED BY FLORENCE & HUTCHESON

DESIGNER BRIAN TROTTER, P.E. CHECKED BY KEVIN CAGLE, P.E.

P.E. NO. 40003-1213-14

PIN NO. 101886.01

TRAFFIC DATA	
ADT (2011)	9800
ADT (2031)	13300
DHV (2031)	1330
D	60 - 40
T (ADT)	9 %
T (DHV)	6 %
V	40 MPH

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

6/2/2017 9:01:26 AM
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Index Of Sheets
SEE SHEET NO. 1A

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

TENN.	YEAR	SHEET NO.
	2017	1
FED. AID PROJ. NO.	NH-54(26)	
STATE PROJ. NO.	40003-3218-14	

HENRY COUNTY

S.R. 54 (U.S. 641) FROM NEAR RISON STREET
TO NEAR SMITH ROAD

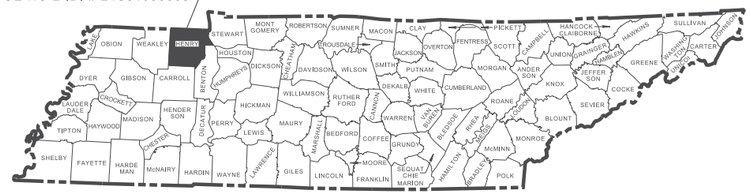
CONSTRUCTION

GRADE, DRAIN, PAVE, STRIPE, SIGN & SIGNAL

STATE HIGHWAY NO. 54 F.A.H.S. NO. 641

PROJECT LOCATION

BRIDGE NO 1 ID. # 24S81090043
BRIDGE NO 2 ID. # 24S81090003



40003-3218-14
END PROJECT NO. NH-54(26) CONSTRUCTION

STA. 155+50.00

N 739931.0301 E 1282387.3795

40003-3218-14
BEGIN PROJECT NO. NH-54(26) CONSTRUCTION

STA. 15+00.00

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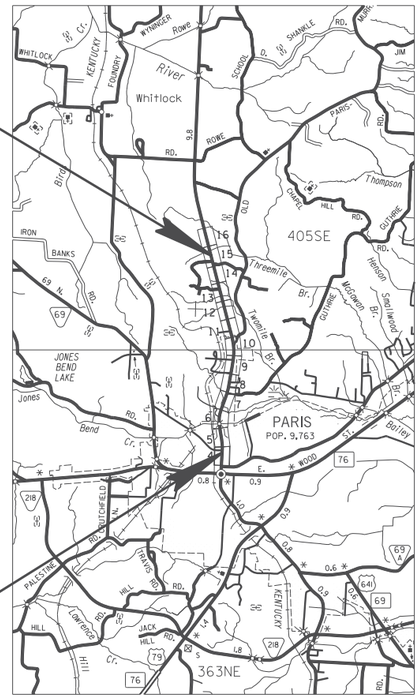

SCALE: 1"= 5280'

0 1 2 3

ROADWAY LENGTH	2.617 MILES
BRIDGE LENGTH	0.044 MILES
BOX BRIDGE LENGTH	0.000 MILES
PROJECT LENGTH	2.661 MILES

N

NO EXCLUSIONS
NO EQUATIONS

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE:

APPROVED:
JOHN SCHROER, 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, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT TRANS. MANAGER 1: LARRY JORDAN

DESIGNED BY : HDR

DESIGNER : TERESA HAYES CHECKED BY : BRIAN TROTTER, P.E.

P.E. NO. 40003-1213-14 (DESIGN)

PIN NO. 101886.01

SURVEY 03-20-03	TRAFFIC DATA	
REV 06-11-10	ADT (2017)	7100
REV 06-18-12	ADT (2037)	8520
REV 10-22-12	DHV (2037)	903
REV 09-26-13	D	60 - 40
REV 05-15-14	T (ADT)	9 %
REV 09-22-14	T (DHV)	6 %
	V	40 MPH

STATE PLANE COORDINATES ARE BASED ON GPS MEASUREMENTS OBTAINED - -03 USING GEOID 99 MODEL AND DATUM ADJUSTMENT FACTOR OF 1.000030

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	1A

ROADWAY INDEX

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
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	04-15-04	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	04-15-04	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-3C	10-15-02	DESIGN STANDARDS 4 AND 6 LANE ARTERIAL HIGHWAYS WITH FLUSH MEDIANS
RD01-TS-6	10-10-16	TYPICAL CURB AND GUTTER SECTIONS WITH SHOULDER
RD01-TS-6A	07-31-13	TYPICAL CURB AND GUTTER SECTIONS WITHOUT SHOULDER
RD01-TS-7	10-15-02	DESIGN STANDARDS 2-LANE HIGHWAY WITH CONTINUOUS 2-WAY LEFT-TURN LANE
RD01-SE-2	10-15-02	URBAN 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-SD-1		INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD01-SD-3		INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS
RD01-SD-4		INTERSECTION SIGHT DISTANCE 5-LANE AND 4-LANE UNDIVIDED ROADWAYS
RD01-SD-7		INTERSECTION SIGHT DISTANCE FOR PASSIVE RAILROAD HIGHWAY GRADE CROSSINGS
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-8		LATERAL UNDERDRAIN ENDWALL DETAIL FOR 5:1 SLOPES
RD-UD-9	12-18-94	LATERAL UNDERDRAIN ENDWALL DETAIL FOR 6:1 SLOPES
PIPE CULVERTS AND ENDWALLS		
D-PB-1	01-02-13	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-PG-3	04-15-97	FERROUS AND ALUMINUM CORRUGATED METAL PIPE
D-PE-18A	01-06-15	18" CONCRETE ENDWALL CROSS DRAIN
D-PE-18B		18" CONCRETE ENDWALL CROSS DRAIN
D-PE-24A	01-21-16	24" CONCRETE ENDWALL CROSS DRAIN
D-PE-24B		24" CONCRETE ENDWALL CROSS DRAIN
D-PE-30A	10-10-16	30" CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-30B		30" CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-48A	06-14-13	48" CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-48B		48" CONCRETE ENDWALL CROSS DRAIN WITH STEEL PIPE GRATE
D-PE-99	11-01-13	PIPE GRATE & SKEWED CONNECTION DETAILS FOR "U" ENDWALLS
D-SEW-1A	06-14-13	SIDE DRAIN CONCRETE ENDWALL WITH STEEL PIPE GRATE
D-PE-1	02-12-76	TYPE "A" CONCRETE ENDWALL (2:1 SLOPE. 36" TO 78")
D-PE-4	10-10-16	STRAIGHT TYPE CONCRETE ENDWALL
CATCH BASINS AND MANHOLES		
D-CB-12LP	08-01-12	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 12LP CATCH BASIN (FOR USE WITH 6" NON-MOUNTABLE CURB)
D-CB-12P	03-11-14	STANDARD PRECAST RECTANGULAR CONCRETE NO.12 CATCH BASIN
D-CB-12RA	03-11-14	STANDARD PRECAST 48" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RB	03-11-14	STANDARD PRECAST 60" AND 72" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12RC	03-11-14	STANDARD PRECAST 84" THRU 120" CIRCULAR NO. 12 CATCH BASIN (FOR USE WITH 6" NONMOUNTABLE CURB)
D-CB-12S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 12 CATCH BASIN
D-CB-12SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SC	03-11-14	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-12SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 12 CATCH BASIN
D-CB-14P	03-11-14	STANDARD PRECAST RECTANGULAR CONCRETE NO. 14 CATCH BASIN
D-CB-14RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 14RB CATCH BASIN
D-CB-14S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 14 CATCH BASIN

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter REGISTERED ENGINEER AGRICULTURE COMMERCE STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

Includes IB-15-3, IB-15-4, IB-15-6, IB-15-08, IB-15-12, IB-15-13, IB-16-03 & IB-16-09

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	1A1

STANDARD ROADWAY DRAWINGS

DWG.	REV.	DESCRIPTION
CATCH BASINS AND MANHOLES (CONT.)		
D-CB-14SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 14 CATCH BASIN
D-CB-25LP	08-01-12	LOW PROFILE 32" X 32" SQUARE CONCRETE NO. 25LP CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25P	03-11-14	STANDARD PRECAST RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25RA	01-27-16	STANDARD PRECAST 48" CIRCULAR NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25RB	01-27-16	STANDARD PRECAST CIRCULAR NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SC	03-11-14	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-25SE	03-11-14	STANDARD 9' X 9' SQUARE CONCRETE NO. 25 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-26P	03-11-14	STANDARD PRECAST RECTANGULAR CONCRETE NO. 26 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-26S	03-11-14	STANDARD RECTANGULAR CONCRETE NO. 26 CATCH BASIN (FOR USE WITH 6" MOUNTABLE CURB)
D-CB-42RB	03-11-14	STANDARD PRECAST CIRCULAR NO. 42 CATCH BASIN
D-CB-42S	08-01-12	STANDARD 32" X 32" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SB	03-11-14	STANDARD 4' X 4' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SC	03-11-14	STANDARD 5' 2" X 5' 2" SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-42SD	03-11-14	STANDARD 7' X 7' SQUARE CONCRETE NO. 42 CATCH BASIN
D-CB-99R	03-11-14	MISCELLANEOUS DETAILS FOR ROUND STRUCURES
D-CBB-12A	05-27-01	TYPE "B" CAST IRON FRAMS, GRATE & 6" NONMOUNTABLE INLET DETAILS FOR NOS. 10, 12, 14, 16 & 17 TYPE CATCH BASINS
D-CBB-12B	05-27-01	TYPE "B" CAST IRON FRAMS, GRATE & 6" NONMOUNTABLE INLET DETAILS FOR NOS. 25, 26 & 27 TYPE CATCH BASINS
D-CBB-42	05-27-01	CAST IRON GRATE DETAILS FOR NOS. 42, 43 & 44 TYPE CATCH BASINS
ROADWAY AND PAVEMENT APPURTENANCES		
RP-D-15	04-08-16	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RP-D-16	04-08-16	DETAILS OF LOWERED STANDARD CONCRETE DRIVEWAYS
RP-I-5	12-18-96	EXAMPLES OF STREET AND ALLEY INTERSECTIONS
RP-R-1	05-27-01	STANDARD RAMPS TO SIDE ROADS
RP-MC-1	02-28-02	STANDARD 4" SLOPING (MOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-MC-2	02-28-02	STANDARD 6" SLOPING (MOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-NMC-10	07-29-03	STANDARD VERTICAL (NONMOUNTABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS
RP-H-3	10-10-16	CURB RAMP AND TRUNCATED DOME SURFACE DETAIL
RP-H-4	10-10-16	PERPENDICULAR CURB RAMP
RP-H-7	10-10-16	PERPENDICULAR CURB RAMP IN CURVE
RP-H-9	10-10-16	PARALLEL CURB RAMP IN CURVE
RP-S-7	02-05-16	DETAILS FOR CONCRETE SIDEWALKS
W-CIP-1		ROADWAY FEATURES AT CAST IN PLACE RETAINING WALLS
W-MSE-1		ROADWAY FEATURES FOR MSE SEGMENTAL PRECAST FACING RETAINING WALL
W-MSE-2		ROADWAY FEATURES FOR MSE MODULAR BLOCK FACING RETAINING WALL
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 SIDE ROADS OR PRIVATE DRIVES
S-PL-3	10-10-16	SAFETY PLAN: MINIMUM INSTALLATION AT BRIDGE ENDS
S-GR31-1	03-28-17	W-BEAM GUARDRAIL
S-GR31-1A		W-BEAM BARRIER FASTENING HARDWARE
S-GRC-1	10-10-16	GUARDRAIL CONNECTION TO BRIDGE ENDS OR BARRIER WALL
S-GRT-2	03-28-17	TYPE 38 GUARDRAIL TERMINAL
S-GRT-2P	10-10-16	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINALS
S-GRT-2R	10-10-16	EARTH PAD FOR TYPE 38 AND TYPE 21 TERMINALS (RETROFIT)
S-GRA-4	03-28-17	IN-LINE GUARDRAIL ANCHOR
S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-RP-2	02-08-16	STANDARD CONCRETE RIGHT-OF-WAY MARKERS
DESIGN - TRAFFIC CONTROL		
T-M-1	07-24-14	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	10-10-16	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-12	01-30-15	SIGNING AND PAVEMENT MARKINGS FOR URBAN BICYCLE LANES
T-M-13		SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES
T-M-14	11-01-11	SIGNING AND PAVEMENT MARKINGS FOR BICYCLE LANES AT INTERSECTIONS
T-M-15A	01-30-15	ROUTES ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-M-16	01-30-15	ASPHALT SHOULDER RUMBLE STRIP INSTALLATION DETAILS FOR NON-ACCESS CONTROLLED ROUTES
T-M-16A	07-24-14	ASPHALT CENTER LINE RUMBLE STRIPE
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-PBR-1	06-30-09	INTERCONNECTED PORTABLE BARRIER RAIL
T-PBR-2	11-01-11	DETAIL FOR VERTICAL PANELS AND FLEXIBLE DELINEATORS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-11	03-13-09	ONE LANE CLOSURE DETAIL ON DIVIDED HIGHWAYS
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-36	04-02-12	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-2	08-01-12	SEDIMENT FILTER BAG
EC-STR-3B	08-01-12	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-8	06-10-14	FILTER SOCK
EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
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	08-01-12	CULVERT PROTECTION TYPE 1
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-39A	08-01-12	CURB INLET PROTECTION TYPE 3 & 4
EC-STR-41		CATCH BASIN FILTER ASSEMBLY (TYPE 1)
EC-STR-41A		CATCH BASIN FILTER ASSEMBLY (TYPE 1) SLIPCOVER DETAILS
EC-STR-42		CATCH BASIN FILTER ASSEMBLY (TYPE 2)
EC-STR-42A		CATCH BASIN FILTER ASSEMBLY (TYPE 2) SLIPCOVER DETAILS
EC-STR-45		CATCH BASIN FILTER ASSEMBLY (TYPE 5)
EC-STR-45A		CATCH BASIN FILTER ASSEMBLY (TYPE 5) SLIPCOVER DETAILS
EC-STR-46		CATCH BASIN FILTER ASSEMBLY (TYPE 6)
EC-STR-46A		CATCH BASIN FILTER ASSEMBLY (TYPE 6) SLIPCOVER DETAILS
EC-STR-47		CATCH BASIN FILTER ASSEMBLY (TYPE 7)
EC-STR-47A		CATCH BASIN FILTER ASSEMBLY (TYPE 7) SLIPCOVER DETAILS
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-33	08-01-12	SUSPENDED PIPE DIVERSION (DOWNSTREAM)
EC-STR-33A	08-01-12	SUSPENDED PIPE DIVERSION (UPSTREAM)

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Brian H. Trotter
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COMMISSION NO. 107
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS

Includes IB-15-3, IB-15-4, IB-15-6, IB-15-08, IB-15-12, IB-15-13, IB-16-03 & IB-16-09

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	1 A2

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	02-15-91	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-11	06-06-11	DELINEATOR AND MILEPOST DETAILS
T-S-12	07-02-15	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, SQUARE TUBES
T-S-13	07-20-12	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, I-BEAMS
T-S-14	08-17-12	STANDARD STEEL GROUND MOUNTED SIGNS, BREAK-AWAY TYPE POST FOOTING DETAILS, WF-BEAMS
T-S-16	07-02-15	GROUND MOUNTED ROADSIDE SIGN PLACEMENT DETAILS
T-S-17	07-02-15	STANDARD GROUND MOUNTED SIGN USING PERFORATED/KNOCKOUT SQUARE TUBE
T-S-19	07-19-15	STANDARD STEEL SIGN SUPPORTS
T-S-20	11-01-11	SIGN DETAILS
T-S-23C	07-02-15	BREAKAWAY POST SIGN SUPPORTS
SIGNALS		
T-SG-2	06-27-16	LOOP LEAD-INS CONDUIT AND PULL BOXES
T-SG-3	06-27-16	STANDARD NOTES AND DETAILS OF INDUCTIVE LOOPS
T-SG-5	06-27-16	CONTROLLER CABINET DETAILS
T-SG-6		PEDESTRIAN SIGNAL DETAILS
T-SG-7	06-27-16	SIGNAL HEAD ASSEMBLIES
T-SG-7C		TYPICAL SIGNAL HEAD PLACEMENT - ONE-LANE AND TWO-LANE APPROACHES
T-SG-7E		TYPICAL SIGNAL HEAD PLACEMENT - THREE-LANE APPROACHES
T-SG-9	06-27-16	DETAILS OF CANTILEVER SIGNAL SUPPORT
T-SG-9A	06-27-16	MISCELLANEOUS SIGNAL DETAILS
T-SG-10	06-27-16	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-11	06-27-16	MAINTENANCE OF EXISTING SIGNALS DURING HIGHWAY CONSTRUCTION
T-SG-12	06-27-16	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS
RAILROAD CROSSING		
T-RR-1	11-01-11	TYPICAL PAVEMENT MARKING AT RAILROAD-HIGHWAY GRADE CROSSINGS AND RAILROAD ADVANCE WARNING SIGN
T-RR-3	11-01-11	STANDARD DRAWING FOR RAILROAD-HIGHWAY CROSSING SIGNAL
T-RR-5	11-01-11	STANDARD DRAWING FOR RAILROAD-HIGHWAY CROSSING SIGNAL TYPICAL CANTILEVER SIGN

STANDARD STRUCTURE DRAWINGS

DWG.	REV.	DESCRIPTION
NEW STRUCTURES		
STD-1-1	05-01-14	BRIDGE RAILING CONCRETE PARAPET
STD-1-1SS	05-01-14	BRIDGE RAILING SINGLE SLOPE CONCRETE PARAPET
STD-1-2	03-28-08	SLIDER PLATE AND DECK DRAIN
STD-1-2SS		SLIDER PLATES FOR SINGLE SLOPE PARAPETS AND DECK DRAINS
STD-1- 3	07-31-00	STD. CONCRETE MEDIAN BARRIER
STD-1-3SS	11-01-10	STD. SINGLE SLOPE CONCRETE MEDIAN BARRIER
STD-1-4	01-05-01	SLIDER PLATES FOR MEDIAN BARRIER
STD-1-4SS		SLIDER PLATE ASSEMBLIES FOR SINGLE SLOPE MEDIAN BARRIER
STD-1-5	03-26-14	PAVEMENT AT BRIDGE ENDS
STD-1-6	04-28-97	BRIDGE END DRAIN W/ PAVEMENT AT BRIDGE ENDS
STD-1-7	08-24-11	BRIDGE END DRAIN W/ PAVEMENT AT BRIDGE ENDS
STD-1-8	05-01-95	BRIDGE END DRAIN 2' X 8' 7" W/ PAVEMENT AT BRIDGE ENDS
STD-1-9	05-01-95	BRIDGE END DRAIN 4' X 7" W/ PAVEMENT AT BRIDGE ENDS
STD-1-10	03-28-94	BRIDGE END DRAIN W/O PAVEMENT AT BRIDGE ENDS
STD-1-11	08-24-11	BRIDGE END DRAIN W/O PAVEMENT AT BRIDGE ENDS
STD-1-12	03-28-94	BRIDGE END DRAIN 2'x8'7" W/O PAVEMENT AT BRIDGE ENDS
STD-1-13	03-28-94	BRIDGE END DRAIN 4'x8'7" W/O PAVEMENT AT BRIDGE ENDS
STD-2-1	11-01-10	BRIDGE MOUNTED INTERCONNECTED PORTABLE BARRIER RAIL
STD-2-2		VERTICAL PANEL DETAILS
STD-3-1	11-01-10	STRIPSEAL EXPANSION JOINT
STD-3-2	11-01-10	STRIPSEAL EXPANSION JOINT
STD-4-1	04-08-05	STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS
STD-4-2	04-08-05	STD. PRECAST PRESTRESSED BRIDGE DECK PANELS DESIGN CRITERIA
STD-4-3	03-02-02	STD. PRECAST PRESTRESSED BRIDGE DECK PANELS GENERAL DETAILS
STD-4-4	06-10-96	STD. PRECAST PRESTRESSED BRIDGE DECK PANELS CONSTRUCTION DETAILS
STD-5-1	10-25-93	STD. PILE DETAILS
STD-5-2	05-01-14	STD. PILE DETAILS
STD-6-1	11-01-10	STANDARD SEISMIC DETAILS
STD-6-2	11-07-94	STANDARD SEISMIC DETAILS
STD-7-1	06-02-14	STD. CONCRETE RAIL
STD-8-2	11-01-10	LIGHT STANDARD SUPPORT DETAILS
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		SINGLE SLOPE MEDIAN BARRIER STANDARD LIGHT SUPPORT DETAILS
STD-8-4		SIGN, LUMINAIRE, AND TRAFFIC SIGNAL SUPPORTS
STD-9-1	10-07-08	REINFORCING BAR SUPPORT DETAILS FOR CONCRETE SLABS
STD-10-1	04-08-05	MISCELLANEOUS ABUTMENT AND DRAINAGE DETAILS
STD-11-1	05-01-14	BRIDGE RAILING W/ STRUCTURAL TUBING
STD-11-2	05-01-14	STANDARD CONCRETE CLASSIC RAIL 2007
STD-14-1	05-01-14	STD. DETAILS AND INT. DIAPH. DETAILS FOR BULB - TEE BEAMS
STD-14-2	11-01-10	STD. DETAILS AND INT. DIAPH. DETAILS FOR I-BEAMS
STD-14-3	10-15-08	STD. DETAILS FOR PRESTRESSED BOX BEAMS
BOX CULVERTS		
STD-15-1	11-06-08	INDEX OF DRAWINGS AND TERMINOLOGY
STD-15-2	03-28-08	GENERAL NOTES
STD-15-3	02-28-03	DESIGN SECTION LIMITS
STD-15-4	12-07-01	TYPICAL SECTION AND DETAILS
STD-15-5	02-28-03	TYPICAL ELEVATION
STD-15-6	03-28-08	CURB AND RAIL DETAILS SKEW NOT LESS THAN 45 DEG.
STD-15-7	03-02-02	STANDARD EDGE BEAM DETAILS FOR FILLS GREATER THAN 3' - 8"
STD-15-8	12-07-01	INTERIOR WALL END TREATMENTS
STD-15-9	02-28-03	TYPICAL WINGWALL DETAILS AND NOTES
STD-15-10	11-06-08	WINGWALL DIMENSIONS AND QUANTITIES
STD-15-11		WINGWALL DIMENSIONS AND QUANTITIES
STD-15-12	03-28-08	WINGWALL & SPECIAL RETAINING WALL DESIGN SECTION
STD-15-13		WINGWALL DESIGN SECTION
STD-15-14	06-01-11	BACKFILL AND DRAINAGE DETAILS
STD-15-15		BACKFILL AND DRAINAGE DETAILS
STD-15-16	12-07-01	PAVED OUTLET DETAIL
STD-15-16A		LOW FLOW CHANNEL CONSTRUCTION DETAILS FOR CULVERT INLET AND OUTLET
STD-15-19		SIDEWALK AND MISCELLANEOUS DETAILS
STD-15-20		WARPED SLOPE DETAIL
STD-15-21	03-02-02	STAGE CONSTRUCTION JOINT DETAIL (FILL ABOVE TOP OF SLAB NOT GREATER THAN 3'-8")
STD-15-22	02-28-03	EXTENSION DETAILS
STD-15-23	12-07-01	EXTENSION DETAILS FOR SCOURED OUTLET
STD-15-25	11-01-10	PRECAST BOX CULVERT DETAILS
STD-15-26		PRECAST BOX CULVERT DETAILS
STD-15-27		PRECAST BOX CULVERT DETAILS
STD-15-28		PRECAST BOX CULVERT DETAILS
STD-15-29		PRECAST BOX CULVERT DETAILS
STD-15-35		BOX BRIDGE, 1 BARREL AT 6', CLEAR HTS. 3' - 6', 0 - 60' FILL

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STANDARD TRAFFIC OPERATIONS & STRUCTURE DRAWINGS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	1B

REV. 06-28-17: REVISED PROJECT COMMITMENTS.

TENNESSEE DEPARTMENT OF TRANSPORTATION

County: Henry PIN: 101886.01 Route: SR-54

Termini: Near Rison Street to Near Smith Road

Project Commitments Plan Sheet

Commitment ID	Source Division	Description	Sta./ Location	Complete
EDHS002	Environmental Division, Historic	In order to fulfill conditions under Section 4(f), any work completed on Tract 4 (Paris Gymnasium and Auditorium) will have the following construction conditions met: 1. The duration of the occupancy will be less than the time needed for construction of the project and there will be no change in ownership. 2. The scope of the work will be minor resulting in minima changes to the property. 3. No significant features of the property will be adversely affected. 4. The occupie segments of the property will be returned to their as-found conditions or better. If any of the above conditions cannot be met, the TDOT Environmental Division is to be notified immediately in writing.	16+82.85	☐
EDHS001	Environmental Division, Historic	To protect the two historic properties eligible or listed o the National Register of Historic Places in Paris (i.e., Paris Gymnasium and Auditorium and North Poplar Street Historic District) TDOT will hold the edge of pavement on the eastern side of State Route 54 and only widen the road on the western side opposite the historic properties.	19-30	☐
EDHZ004	Environmental Division, Hazardous Materials	An Asbestos Containing Material (ACM) survey was conducted on Bridge No. 40CULV02027, SR-54 over McFadden Branch, LM 11.99 (40-SR054-1.99). No ACM was detected. No special accommodations for demolition and waste disposal are anticipated for these structures and the material can be deposited in a C&D landfill. 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 Bridg Construction (January 1, 2015) Sections 107.08 D anc 202.03).	Bridge No. 40CULV02027	☐
EDHZ003	Environmental Division, Hazardous Materials	To minimize the risk to construction workers, TDOT is committed to the removal of Asbestos-Containing Materials (ACM) from bridges that are being demolished, rehabilitated or repaired. Bridges No. 40SR0540021, SR-54 over Jones Bend Creek, LM 11.78 (40-54-11.78), has ACM in the black expansion material under the diaphragms at the abutments. All material of this nature should be treated as asbestos-containing. Abatement of this material shoul be accomplished per SP202ACM Special Provision Regarding Removal of Asbestos-Containing Materials. ACM abatement should be completed prior to any demolition activities. State of Tennessee asbestos accreditation requirements (TCA 1200-01-20) mandate that ACM abatement work be performed by an accredited firm (contractor) using accredited abatemen workers and supervisors.	LM 11.78	☐
EDHZ001	Environmental Division, Hazardous Materials	An Asbestos Containing Material (ACM) survey was conducted on Bridge No. 40SR0540019, SR-54 over CSX Railroad, LM 11.66 (40-54-11.66). No ACM was detected. No special accommodations for demolition and waste disposal are anticipated for these structures and the material can be deposited in a C&D landfill. Prior to the demolition 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 Tennessee Division of Air Pollution Control (Standard Specifications for Road and Bridge Construction (January 1, 2015) Sections 107.08 D and 202.03).	LM 11.66	☐
DGR4002	Roadway Design, Region 4	Disturbed areas will be revegetated in a timely manner to hold soil movement to a minimum.	15+24 to 161+00	☐
DGR4001	Roadway Design, Region 4	Vegetation clearing for the project will be limited to the minimum area required for construction of the project and disturbed areas will be revegetated with native species. Fill slopes will be constructed and stabilized during the growing season with the establishment of non-invasive vegetation.	15+24 to 161+00	☐

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PROJECT COMMITMENTS

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	2A

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
	201-01	CLEARING AND GRUBBING	LS	1
(1)	202-01	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
	202-04.03	REMOVAL OF STRUCTURES (10' X 8' RCBC, STA. 48+16)	LS	1
(2)(31)	203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	116155
(31)	203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	76390
(31)	203-03.10	SELECT GRANULAR MATERIAL	TON	43531
(28)(31)	203-05	UNDERCUTTING	C.Y.	1201
(3)	204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	172
	204-08	FOUNDATION FILL MATERIAL	C.Y.	68
(30)	205-02.01	RSS BACKFILL MATERIAL	C.Y.	8472
(4)	209-05	SEDIMENT REMOVAL	C.Y.	1724
(4)	209-03.21	FILTER SOCK (12 INCH)	L.F.	13601
(4)	209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	15751
(4)	209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	2355
(4)	209-08.07	ROCK CHECK DAM PER	EACH	112
(4)	209-08.08	ENHANCED ROCK CHECK DAM	EACH	58
(4)	209-09.01	SANDBAGS	BAG	10100
(4)	209-09.04	SEDIMENT FILTER BAG (15' X 10')	EACH	6
(4)	209-09.43	CURB INLET PROTECTION (TYPE 4)	EACH	45
(4)	209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)	S.Y.	251
(4)	209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	58
(4)	209-40.41	CATCH BASIN FILTER ASSEMBLY(TYPE 1)	EACH	19
(4)	209-40.42	CATCH BASIN FILTER ASSEMBLY(TYPE 2)	EACH	1
(4)	209-40.45	CATCH BASIN FILTER ASSEMBLY(TYPE 5)	EACH	5
(4)	209-40.46	CATCH BASIN FILTER ASSEMBLY(TYPE 6)	EACH	49
(4)	209-40.47	CATCH BASIN FILTER ASSEMBLY(TYPE 7)	EACH	14
(4)(13)	209-65.03	TEMPORARY DIVERSION CHANNEL	L.F.	175
	303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	96100
	303-01.01	GRANULAR BACKFILL (ROADWAY)	TON	832
(33)	303-02	MINERAL AGGREGATE, TYPE B BASE, GRADING (MAINT. GRAVEL FOR DRIVEWAYS)	TON	540
(4)(35)	303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	2253
	307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	19926
	307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	12885
	307-01.20	ASP. CONC. MIX (PG64-22)(BPMB-HM) GR. A-S	TON	14568
	402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	132
	402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	710
	403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	84
	411-01.10	ACS MIX(PG64-22) GRADING D	TON	1676
	415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	1168
	604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	146
	604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	LB.	30539

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(8)	604-07.02	RETAINING WALL #2 (STA. 42+50 TO STA. 45+00 LT.)	S.F.	4624
	607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	8260
	607-03.05	18" CONCRETE PIPE CULVERT(CLASS IV)JACKED-IN-PLACE	L.F.	236
	607-03.30	18" PIPE CULVERT	L.F.	89
	607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	1158
	607-05.30	24" PIPE CULVERT	L.F.	49
	607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	338
	607-06.05	30" CONCRETE PIPE CULVERT(CLASS IV)JACKED-IN-PLACE	L.F.	206
	607-06.30	30" PIPE CULVERT	L.F.	93
	607-07.30	36" PIPE CULVERT	L.F.	51
	607-08.02	42" CONCRETE PIPE CULVERT (CLASS III)	L.F.	153
	607-08.05	42" CONCRETE PIPE CULVERT(CLASS IV)JACKED-IN-PLACE	L.F.	68
	607-09.02	48" CONCRETE PIPE CULVERT (CLASS III)	L.F.	166
	607-09.05	48" CONCRETE PIPE CULVERT(CLASS IV)JACKED-IN-PLACE	L.F.	128
	607-16.01	23"X 14" HORIZONTAL OVAL CONCRETE PIPE CULVERT	L.F.	30
	607-37.02	18" CORRUGATED METAL PIPE CULVERT	L.F.	4
	607-39.02	18" PIPE CULVERT (SIDE DRAIN)	L.F.	773
	607-39.03	24" PIPE CULVERT (SIDE DRAIN)	L.F.	77
	607-39.04	30" PIPE CULVERT (SIDE DRAIN)	L.F.	112
(5)	610-07.03	18" PIPE DRAIN (BRIDGE DRAIN)	L.F.	88
	611-02.11	JUNCTION BOX, TYPE 2	EACH	3
	611-02-14	JUNCTION BOX, TYPE 5	EACH	4
	611-07.01	CLASS A CONCRETE (PIPE ENDWALLS)	C.Y.	34
	611-07.02	STEEL BAR REINFORCEMENT (PIPE ENDWALLS)	LB.	653
	611-07.31	18IN ENDWALL (SIDE DRAIN)	EACH	48
	611-07.32	24IN ENDWALL (SIDE DRAIN)	EACH	1
	611-07.54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	10
	611-07.57	24IN ENDWALL (CROSS DRAIN) 3:1	EACH	5
	611-07.60	30IN ENDWALL (CROSS DRAIN) 3:1	EACH	4
	611-07.69	48IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
(10)	611-09.03	CAPPING EXISTING CATCHBASIN	EACH	4
	611-12.01	CATCH BASINS, TYPE 12, 0' - 4' DEPTH	EACH	11
	611-12.02	CATCH BASINS, TYPE 12, > 4' - 8' DEPTH	EACH	29
	611-12.03	CATCH BASINS, TYPE 12, > 8' - 12' DEPTH	EACH	2
	611-12.04	CATCH BASINS, TYPE 12, > 12' - 16' DEPTH	EACH	3
	611-14.02	CATCH BASINS, TYPE 14, > 4' - 8' DEPTH	EACH	15
	611-14.03	CATCH BASINS, TYPE 14, > 8' - 12' DEPTH	EACH	1
	611-14.04	CATCH BASINS, TYPE 14, > 12' - 16' DEPTH	EACH	2
	611-25.01	CATCH BASINS, TYPE 25, 0' - 4' DEPTH	EACH	2
(27)	611-25.02	CATCH BASINS, TYPE 25, > 4' - 8' DEPTH	EACH	7
(27)	611-25.03	CATCH BASINS, TYPE 25, > 8' - 12' DEPTH	EACH	1
	611-26.02	CATCH BASINS, TYPE 26, > 4' - 8' DEPTH	EACH	1
	611-42.01	CATCH BASINS, TYPE 42, 0' - 4' DEPTH	EACH	19
	611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	2
	621-03.05	36" TEMPORARY DRAINAGE PIPE	L.F.	440
(24)	621-05.02	TEMPORARY SHORING	LS	1
	701-01.01	CONCRETE SIDEWALK (4 ")	S.F.	67827
	701-02	CONCRETE DRIVEWAY	S.F.	23725
	701-02.03	CONCRETE CURB RAMP	S.F.	4239

NOTE: SEE SHEET 2A2 FOR ALL FOOTNOTES

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	2A1

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(6)	702-01	CONCRETE CURB	C.Y.	3
	702-03	CONCRETE COMBINED CURB & GUTTER	C.Y.	1469
	703-01	CEMENT CONCRETE DITCH PAVING	C.Y.	11
	705-01.01	GUARDRAIL AT BRIDGE ENDS	L.F.	216
	705-06.01	W BEAM GR (TYPE 2) MASH TL3	L.F.	1507
	705-06.11	GR TERMINAL (IN-INLINE) MASH TL2	EACH	2
	705-06.20	TANGENT ENERGY ABSORBING TERM MASH TL-3	EACH	8
(11)	705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	11
	706-01	GUARDRAIL REMOVED	L.F.	2162
(4)	707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	6630
	708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	16
(5)	709-01.02	RUBBLE STONE RIP-RAP	TON	7
	709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	2256
(12)	709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	2716
(33)	709-05.08	MACHINED RIP-RAP (CLASS B)	TON	891
(29)	709-05.09	MACHINED RIP-RAP (CLASS C)	TON	863
	710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	13667
	710-05	LATERAL UNDERDRAIN	L.F.	2900
	710-06.12	LATERAL UNDERDRAIN ENDWALL (3:1)	EACH	54
	712-01	TRAFFIC CONTROL	LS	1
	712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	4820
	712-02.47	BRIDGE MOUNTED INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	480
	712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	260
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	1322
	712-06	SIGNS (CONSTRUCTION)	S.F.	1096
	712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	276
	712-08.03	ARROW BOARD (TYPE C)	EACH	2
(26)	712-09.01	REMOVABLE PAVEMENT MARKING LINE	L.F.	1360
(26)	712-09.02	REMOVABLE PAVEMENT MARKING (8" BARRIER LINE)	L.F.	720
	713-01.01	CLASS A CONCRETE (FOUNDATION FOR SIGN SUPPORTS)	C.Y.	1
	713-01.02	STEEL BAR REINFORCEMENT (FOUNDATION FOR SIGN SUPPORTS)	LB.	201
	713-06	STEEL I-BEAM & WF-BEAMS (BREAKAWAY) SIGN SUPPORT	LB.	432
	713-11.01	"U" SECTION STEEL POSTS	LB.	14162
	713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	1258
	713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	327
	713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	97
	713-14	EXTRUDED ALUMINUM PANEL SIGNS	S.F.	48
(14)	713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
	713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
(35)	713-16.05	RAILROAD CROSS-BUCK SIGN & SUPPORT	EACH	4
	713-16.09	RAILROAD ADVANCE WARNING SIGN AND SUPPORT	EACH	2
	716-01.21	Snwplwble Pvmt Mrkrs (Bi-Dir)(1 Color)	EACH	359
	716-01.22	Snwplwble Pvmt Mrkrs (Mono-Dir)(1 Color)	EACH	211
(15)	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	39
(15)	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	329
(15)	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	31
(15)	716-02.13	PLASTIC PAVEMENT MARKING (CROSSWALK)	S.F.	2413
(15)	716-03.01	PLASTIC WORD PAVEMENT MARKING (ONLY)	EACH	2
(15)	716-03.02	PLASTIC WORD PAVEMENT MARKING (RXR)	EACH	2

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(15)	716-04.11	PLASTIC PAVEMENT MARKING (BICYCLE SYMBOL W/RIDER)	EACH	20
(15)	716-04.13	PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH	20
(15)	716-04.14	PLASTIC PAVEMENT MARKING (LANE REDUCTION ARROW)	EACH	3
(16)	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	4985
(16)	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	15.3
(16)	716-08.20	REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	2.8
(15)	716-12.01	ENHANCED FLATLINE THERMO PVMT MRKNG (4IN LINE)	L.M.	1.3
(15)	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	12.6
	717-01	MOBILIZATION	LS	1
(28)	740-07.01	GEO GRID REINFORCEMENT	S.Y.	4512
(30)	740-07.06	GEOGRID REINFORCEMENT TYPE 4	S.Y.	19445
(4)	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	5115
(25)	740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	56665
(4)	740-11.02	TEMPORARY SEDIMENT TUBE 12IN	L.F.	85210
(4)	801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	2580
(4)	801-02.08	TEMPORARY SEEDING (WITHOUT MULCH)	UNIT	6
(21)	801-03	WATER (SEEDING & SODDING)	M.G.	1407
(22)	803-01	SODDING (NEW SOD)	S.Y.	114732
(4)	805-12.02	EROSION CONTRCL BLANKET (TYPE II)	S.Y.	6158
(23)	806-02.03	PROJECT MOWING	CYCL	4

NOTE: SEE SHEET 2A2 FOR ALL FOOTNOTES

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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
1911 1912
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	2A2

(1) THIS ITEM INCLUDES REMOVAL OF TABULATED ITEMS AND DOES NOT INCLUDE REMOVAL OF BUILDINGS. BUILDINGS HAVE BEEN REMOVED UNDER SEPARATE CONTRACT. SEE SHEET 2E FOR TABULATION OF ITEMS TO BE REMOVED.

(2) INCLUDES 630 C.Y. FOR EPSC MEASURES.

(3) FLOWABLE FILL IS USED TO FILL AND ABANDON EXISTING DRAINAGE STRUCTURES, SEE SHEET 2E2 FOR TABULATION OF ITEMS TO BE ABANDONED.

(4) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.

(5) FOR BRIDGE END DRAINS LOCATED AT THE NORTH EAST CORNER OF BRIDGE NO. 1 & ON THE SOUTH EAST AND SOUTH WEST CORNERS OF BRIDGE NO. 2.

(6) TO BE USED AT THE BUSINESS ENTRANCE STA. 84+96.34 LT.

(8) THE RETAINING WALL QUANTITY IS BASED ON THE SURFACE AREA BETWEEN THE TOP OF THE RETAINING WALL AND 2'-0" BELOW THE GROUND LINE.

(10) SEE TABULATION SHEET 2E2 FOR LOCATIONS.

(11) THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF 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.

(12) INCLUDES 1939 TON FOR EPSC MEASURES, 15 TON FOR OUTLET PROTECTION AT CROSS DRAINS & SIDE DRAINS AND 762 TON FOR SLOPE PROTECTION AT BRIDGE 1

(13) DIVERSION CHANNEL INCLUDES THE COST OF TEMPORARY LINER, AS APPROVED BY THE ENGINEER, TO PREVENT EROSION, SILTATION COLLECTION AND RUNOFF INTO STR-4 DURING CONSTRUCTION OF THE NEW CROSS DRAIN AT STA. 103+76.01.

(14) INCLUDES THE REMOVAL OF ALL EXISTING SIGNS REPLACED IN THE SIGN SCHEDULE WITHIN THE PROJECT LIMITS OR AS DIRECTED BY THE ENGINEER AND RESTORATION OF THE GROUND TO ORIGINAL CONDITIONS WHERE NEEDED.

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

(16) FOR USE AS TEMPORARY TRAFFIC CONTROL MARKING ON INTERMEDIATE LAYERS OF PAVEMENT ONLY.

(21) INCLUDES 1384 MG FOR TEMPORARY EPSC MEASURES AND 23 MG FOR SPECIAL DITCHES.

(22) INCLUDES 2221 SY FOR DITCH LINING AND 112511 SY FOR PERMANENT SLOPE STABILIZATION.

(23) ITEM INCLUDES LITTER AND TRASH REMOVAL. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY BUT WILL BE INCLUDED IN THE COST OF ITEM NO. 806-02.03, PROJECT MOWING, CYCL.

(24) FOR USE IN REMOVAL OF EXISTING BRIDGE STRUCTURE AT STA. 29+43 AND CONSTRUCTION OF EMBANKMENT AT THAT LOCATION. SHORING METHOD TO BE DESIGNED BY THE CONTRACTOR AND APPROVED BY TDOT SOILS & GEOLOGY. SEE SHEET 25F FOR CONSTRUCTION SEQUENCING DETAILS

(25) INCLUDES 1653 SY FOR DITCH LINING AND 55012 SY FOR USE IN PLACEMENT OF SELECT EMBANKMENT

(26) FOR USE ON CONCRETE BRIDGE DECK

(27) ELIMINATE CURB IRON ON CB #613 & #1104.

(28) SEE ROADWAY CROSS SECTIONS AND SOILS SHEETS 32 & 32Y FOR DETAILS

(29) INCLUDES 738 TON FOR SPECIAL DITCH LINING AND 125 TON FOR OUTLET PROTECTION.

(30) SEE SOILS SHEETS 32, 32AA & 32AB FOR ADDITIONAL INFORMATION

(31) SEE GRADING SPECIAL NOTES ON SHEET 2D.

(32) INCLUDES 495 TON FOR EPSC MEASURES AND 1610 TON FOR BACKFILL IN UNDERCUTTING AREA

(33) INCLUDES 498 TON FOR DITCH LINING, 95 TON FOR OUTLET PROTECTION AND 298 TON FOR SLOPE PROTECTION AT BRIDGE 2

(34) INCLUDES 463 TON FOR EPSC MEASURES, 1790 TON FOR BACKFILL IN UNDERCUTTING AREA

(35) INCLUDES THE SIGNS REQUIRED FOR THE PROPOSED SIGN ASSEMBLIES SHOWN IN THE RAILROAD MARKING DETAIL ON SHEET 29 AND SIGN INFORMATION ON SHEET 31. THE PROPOSED SIGN ASSEMBLIES ARE AS FOLLOWS:
1 ASSEMBLY - (2) R15-1 (GRADE CROSSING (CROSSBUCK)) SIGNS, (2) R15-2 (NUMBER OF TRACKS) PLAQUES
1 ASSEMBLY - (2) R15-1 (GRADE CROSSING (CROSSBUCK)) SIGNS, (2) R15-2 (NUMBER OF TRACKS) PLAQUES, (1) W8-10 (STOP HERE WHEN FLASHING) SIGN
2 ASSEMBLIES - (1) R15-1 (GRADE CROSSING (CROSSBUCK)) SIGN, (1) R15-2 (NUMBER OF TRACKS) PLAQUE, (1) W8-10 (STOP HERE WHEN FLASHING) SIGN

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NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	2C

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 WITHOUT APPROVAL BY SAME. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.

SEEDING AND SODDING

(4) 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.

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 A TEMPORARY ROUNDED END ELEMENT SHALL BE INCLUDED IN THE COST OF THE PROPOSED GUARDRAIL.

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 PIPES WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE (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, NO INCREASE OR DECREASE IN THE AMOUNT OF PAYMENT 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 ON THE PLANS.

MISCELLANEOUS

(1) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES WHERE AND AS DIRECTED BY THE ENGINEER.

(2) 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 DAYS WORK. SHORT, UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.20, PAINTED PAVEMENT MARKING (6" LINE), L.M.

FINAL PAVEMENT MARKING

(2) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" 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. 716-12.01, ENHANCED FLATLINE THERMO PVMT MRKNG (4IN 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.

(3) 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.

DETOURS, LANE SHIFTS AND MEDIAN CROSS-OVERS

(4) BEFORE OPENING THE LANE SHIFTS TO TRAFFIC, THE TRANSITIONAL MARKINGS ON THE EXISTING ROADWAY MUST BE IN PLACE. ALL EXISTING MARKINGS IN THE AREA OF THESE TRANSITIONAL MARKINGS SHALL BE OBLITERATED AND ALL EXISTING RAISED PAVEMENT MARKERS SHALL BE REMOVED TO ELIMINATE CONFLICTING MARKINGS. REMOVAL OF THE EXISTING CONFLICTING MARKINGS AND RAISED PAVEMENT MARKERS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN ITEM NO. 712-01, "TRAFFIC CONTROL, LUMP SUM.

PAVEMENT

PAVING

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

(2) 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 CUTOUT 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.

(5) THE CONTRACTOR SHALL BE REQUIRED TO FURNISH LAYOUT DRAWINGS (3 SETS) OF ALL EXTRUDED PANEL SIGNS WITH SPACING OF ALL LETTERS, NUMERALS, SHIELDS, AND ARROWS. THE LAYOUT DRAWINGS SHALL BE SENT TO THE TRAFFIC OPERATIONS DIVISION, SIGNING SECTION, SUITE 1200, J. K. POLK BUILDING, NASHVILLE, TN 37243-1402.

(6) ALL SIGNS MARKED "TO BE REMOVED" ARE TO BE REMOVED BY THE CONTRACTOR AND PAID FOR UNDER ITEM 713-15 AND BECOME THE PROPERTY OF THE CONTRACTOR.

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

(8) 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, OR BROWN BACKGROUND.

(9) 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.

SIGNALIZATION

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

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

(3) IF RESURFACING IS INCLUDED IN THE PROJECT, SIGNAL DETECTION LOOPS SHALL BE INSTALLED BEFORE THE FINAL SURFACE IS APPLIED.

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

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DEPARTMENT OF
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GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	2C1

GENERAL NOTES

SIGNALIZATION

(5) 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.

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

(7) LOOP REPLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 730 OF THE STANDARD SPECIFICATIONS.

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, VERTICAL PANELS, 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.

EROSION PREVENTION AND SEDIMENT CONTROL

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.

INSPECTION, MAINTENANCE & REPAIR

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

PERMITS, PLANS & RECORDS

(14) 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).

(15) 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.

(16) 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.

(17) 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.

(18) 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.

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

(19) 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.

(20) 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.

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GENERAL NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	2C2

GENERAL NOTES

EROSION PREVENTION AND SEDIMENT CONTROL

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

(21) 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.

(22) 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.

(23) 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.

(24) 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.

(25) 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.

(26) 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.

(27) 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.

(28) 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.

(29) 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.

(30) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

SUPPORT ACTIVITIES

(31) 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.

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GENERAL
NOTES

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	2D

SPECIAL 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 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.

SEEDING & SODDING

(1) ALL EXISTING ROADS WITHIN THE RIGHT-OF-WAY AND NOT IN THE GRADED AREA THAT ARE NOT TO BE ABANDONED SHALL BE SCARIFIED, OBLITERATED, AND SODDED. 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. SOD, IN ACCORDANCE WITH SECTION 801 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM 803-01.

DEMOLITION

DEMOLITION, REPAIR, OR REHABILITATION OF BRIDGES

(1) 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.

(2) 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.

RETAINING WALLS

(1) THE (RIGHT-OF-WAY/EASEMENT) BETWEEN STATION 42+00 TO STATION 45+75 SHALL REMAIN CLEAR FOR THE CONSTRUCTION OF THE RETAINING WALL. 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 SHEET(S).

(3) VALUE ENGINEERING CHANGE PROPOSALS WILL NOT BE ACCEPTED FOR RETAINING WALLS. (ITEM NUMBER(S): 604-07.01)

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.

EROSION PREVENTION AND SEDIMENT CONTROL

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 NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

PROJECT COMMITMENTS

(5) SEE PROJECT COMMITMENTS, SHEET 1B, FOR DETAILS RELATING TO SPECIAL ENVIRONMENTAL COMMITMENTS REQUIRED BY THIS PROJECT.

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SPECIAL NOTES

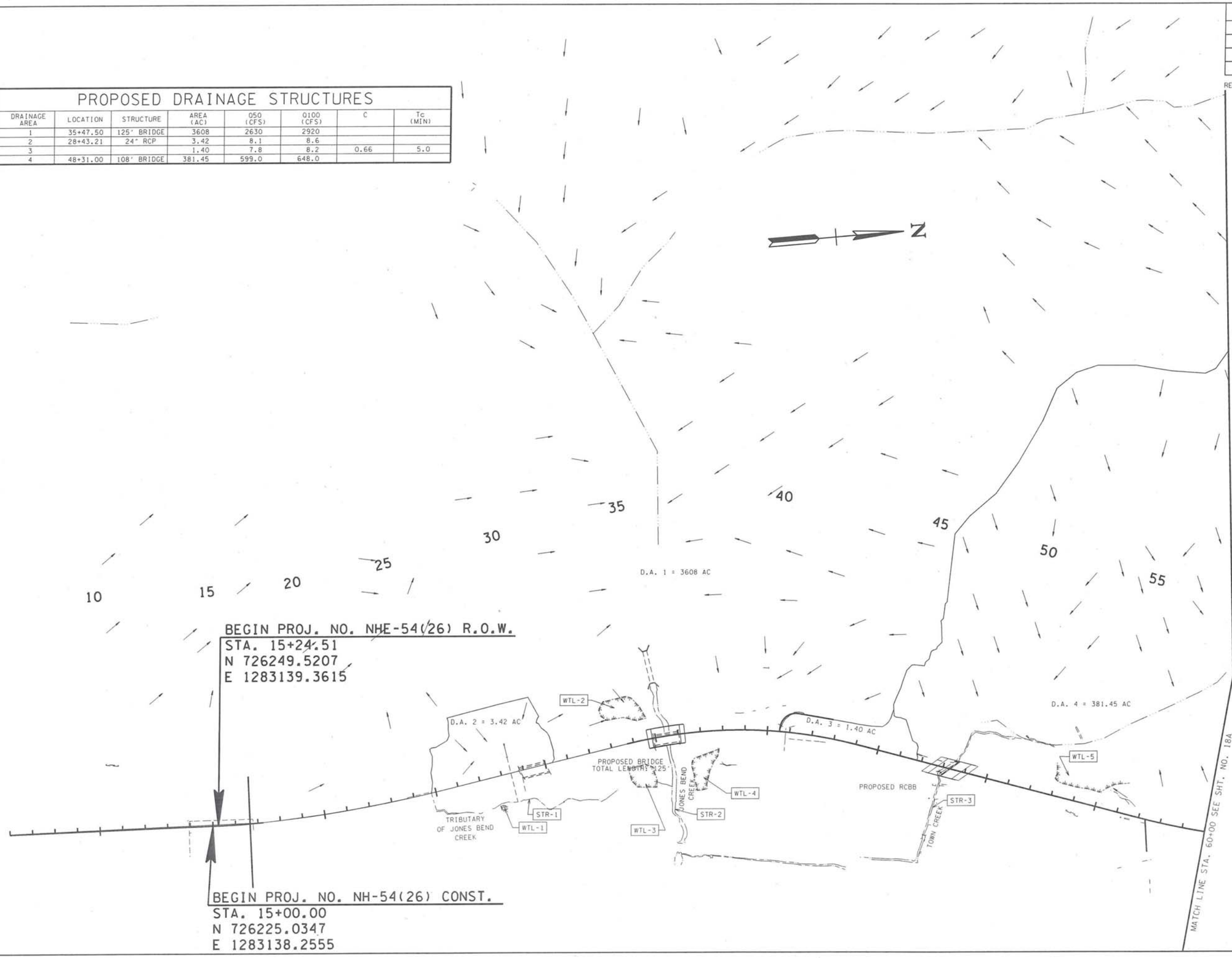
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	18
CONST.	2017	NH-54(26)	18

REV 10-14-16: REMOVED SNK-1

PROPOSED DRAINAGE STRUCTURES

DRAINAGE AREA	LOCATION	STRUCTURE	AREA (AC)	Q50 (CFS)	Q100 (CFS)	C	Tc (MIN)
1	35+47.50	125' BRIDGE	3608	2630	2920		
2	28+43.21	24" RCP	3.42	8.1	8.6		
3			1.40	7.8	8.2	0.66	5.0
4	48+31.00	108' BRIDGE	381.45	599.0	648.0		



BEGIN PROJ. NO. NHE-54(26) R.O.W.
STA. 15+24.51
N 726249.5207
E 1283139.3615

BEGIN PROJ. NO. NH-54(26) CONST.
STA. 15+00.00
N 726225.0347
E 1283138.2555

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Brian H. Trotter
REGISTERED ENGINEER
ARCHITECTURE
COMMERCE
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

BEGIN PROJECT TO STA.60+00

SCALE: 1"=200'

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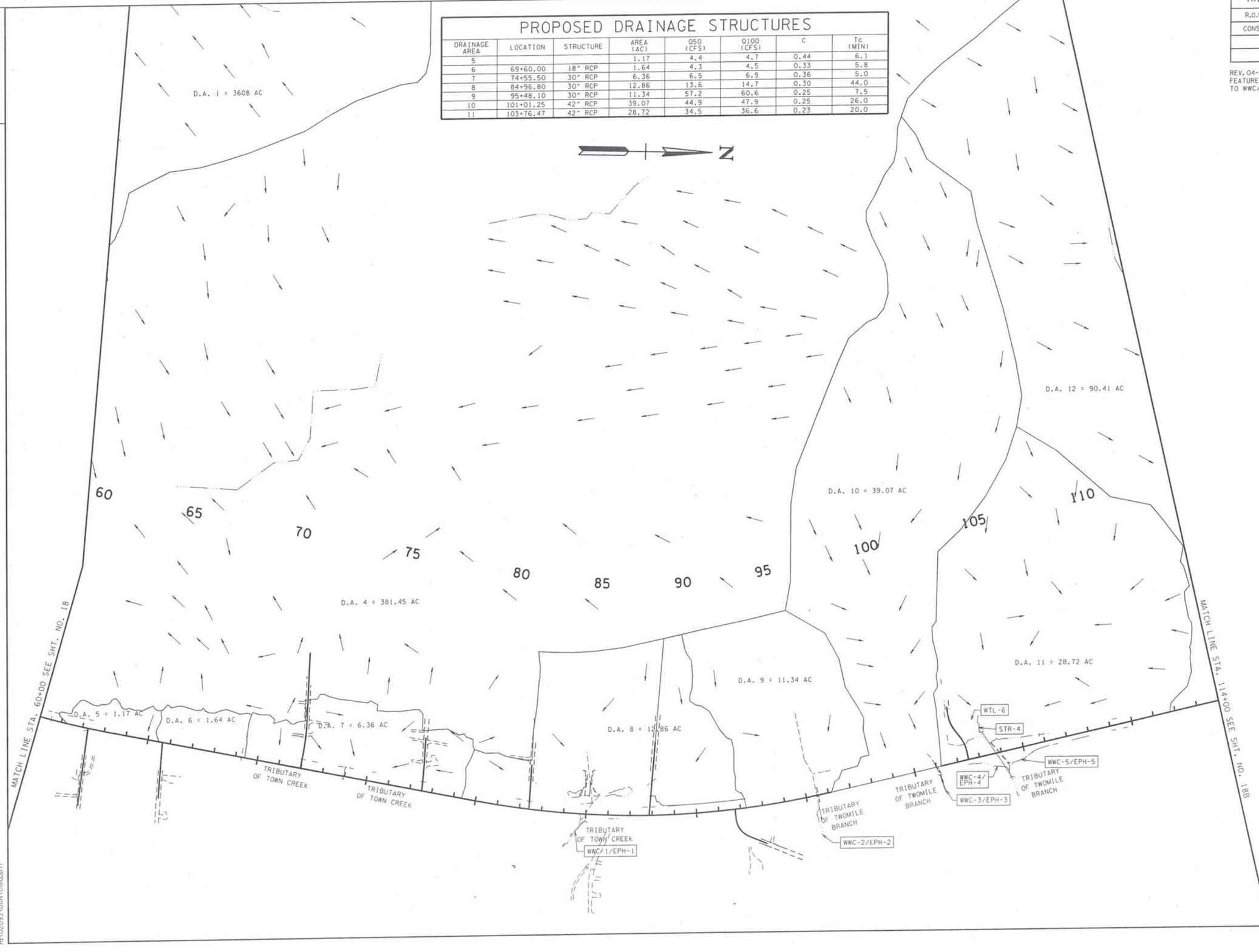
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

PROPOSED DRAINAGE STRUCTURES

DRAINAGE AREA	LOCATION	STRUCTURE	AREA (AC)	Q50 (CFS)	Q100 (CFS)	C	Tc (MIN)
5			1.17	4.4	4.7	0.44	6.1
6	69+60.00	18" RCP	1.64	4.3	4.5	0.33	5.8
7	74+55.50	30" RCP	6.36	6.5	6.9	0.36	5.0
8	84+96.80	30" RCP	12.86	13.6	14.7	0.30	44.0
9	95+48.10	30" RCP	11.34	57.2	60.6	0.25	7.5
10	101+01.25	42" RCP	39.07	44.9	47.9	0.25	26.0
11	103+76.47	42" RCP	28.72	34.5	36.6	0.23	20.0

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	18A
CONST.	2017	NH-54(26)	18A

REV. 04-04-16: REVISED ENVIRONMENTAL FEATURE LABELS FOR WWC CLASSIFICATIONS TO WWC/EPH



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SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
TO-DATE
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

DRAINAGE MAP

STA. 60+00 TO STA. 114+00
SCALE: 1"=200'

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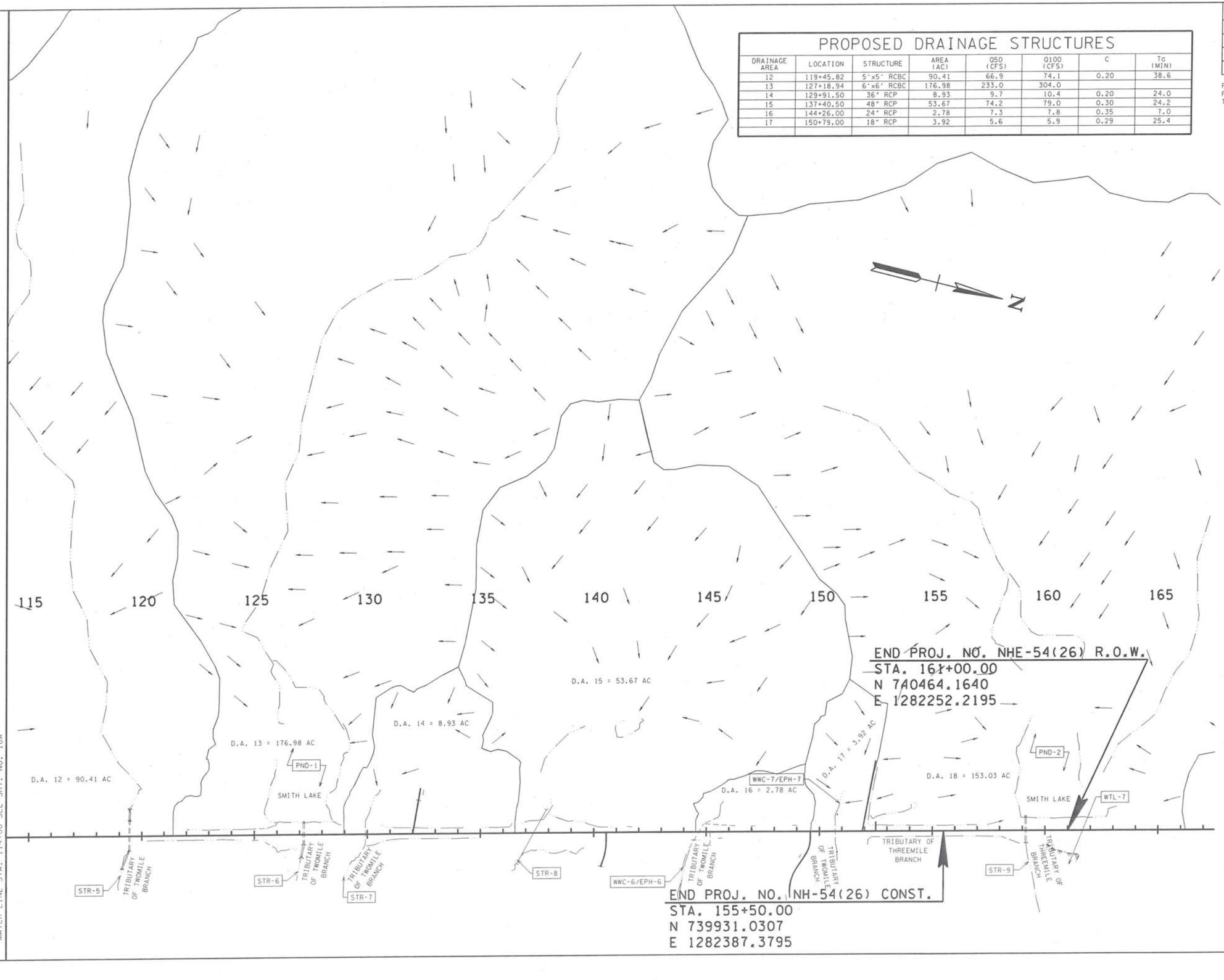
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

PROPOSED DRAINAGE STRUCTURES

DRAINAGE AREA	LOCATION	STRUCTURE	AREA (AC)	Q50 (CFS)	Q100 (CFS)	C	Tc (MIN)
12	119+45.82	5'x5' RCBC	90.41	66.9	74.1	0.20	38.6
13	127+18.94	6'x6' RCBC	176.98	233.0	304.0		
14	129+91.50	36" RCP	8.93	9.7	10.4	0.20	24.0
15	137+40.50	48" RCP	53.67	74.2	79.0	0.30	24.2
16	144+26.00	24" RCP	2.78	7.3	7.8	0.35	7.0
17	150+79.00	18" RCP	3.92	5.6	5.9	0.29	25.4

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	18B
CONST.	2017	NH-54(26)	18B

REV. 04-04-16: REVISED ENVIRONMENTAL FEATURE LABELS FOR WWC CLASSIFICATIONS TO WWC/EPH



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DRAINAGE MAP

STA. 114+00 TO END PROJECT
SCALE: 1"=200'

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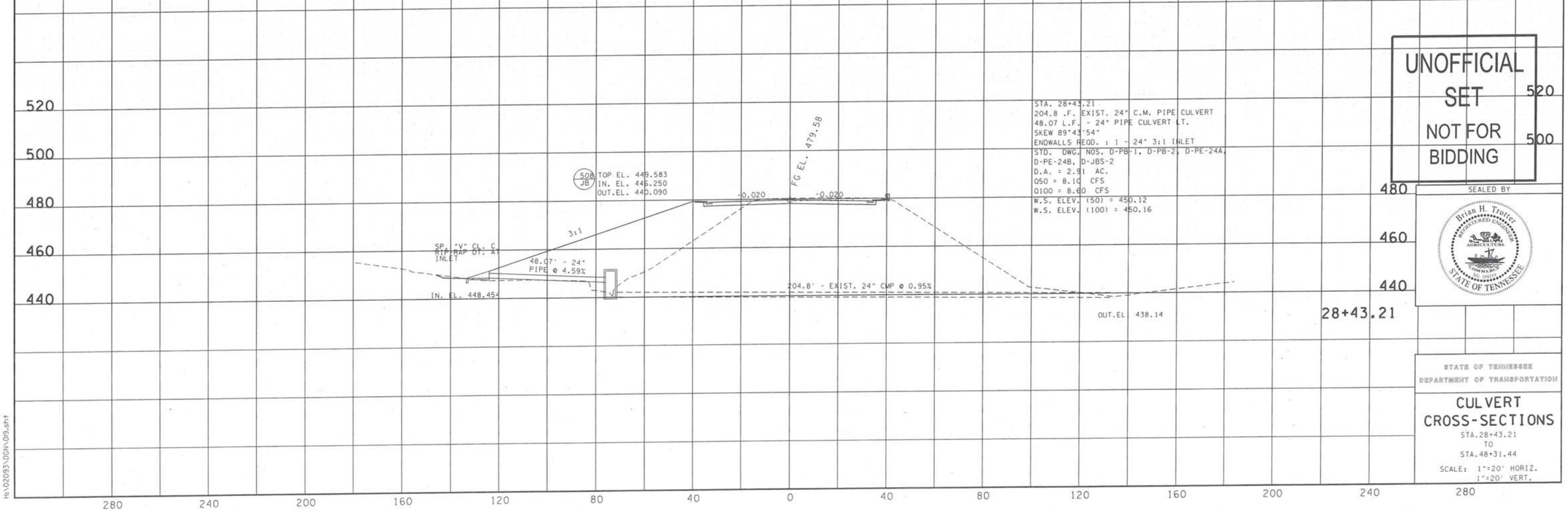
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	19
CONST.	2017	NH-54(26)	19

REV 06-22-16: REVISED SHEET TO PLACE CULVERT SECTIONS IN STATION ORDER, ADDED INLET PROTECTION TO 28+43.21 AND MADE MINOR ELEVATION AJUSTMENTS

REV 10-14-16: REVISED CULVERT SECTION STA. 28+43.21; ADDED 100 YR VELOCITY & CHANNEL PATH TO CULVERT STA. 48+31.33



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28+43.21

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

CULVERT CROSS-SECTIONS

STA.28+43.21
TO
STA.48+31.44

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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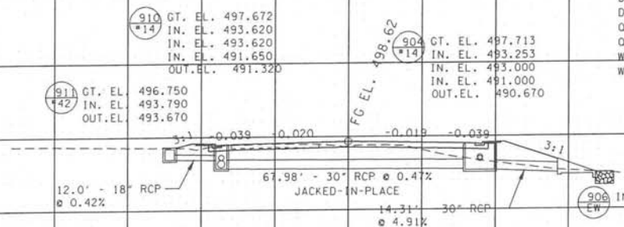
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

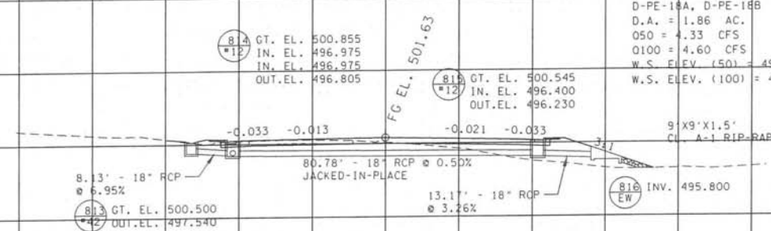
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	19A
CONST.	2017	NH-54(26)	19A

REV 06-22-18: REVISED SHEET TO PLACE CULVERT ~~SECTIONS IN STATION ORDER, ADDED OUTLET~~ PROTECTION TO 74+55.38 AND MADE ELEVATION ADJUSTMENTS; ADDED SECTION STA. 69+37.99; ELIMINATED SECTION STA. 84+96.80



STA. 74+55.38 SR 54
12.0 L.F. - 18" RCP CL. III
67.98 L.F. - 30" RCP CL. IV (JACKED-IN-PLACE)
14.31 L.F. - 30" RCP CL. III
SKEW 80°41'14"
ENDWALLS REQD. : 1 @ 30" 3:1 OUTLET
STD. DWG. NOS. D-PB-1, D-CB-14P, D-CB-14RB, D-CB-42S, D-PE-30A, D-PE-30B
D.A. = 7.29 AC.
Q50 = 19.23 CFS
Q100 = 20.38 CFS
W.S. ELEV. (50) = 493.58
W.S. ELEV. (100) = 493.67

74+55.38



STA. 69+37.99 SR 54
8.13 L.F. - 18" RCP CL. III
80.78 L.F. 18" RCP CL. IV (JACKED-IN-PLACE)
13.17 L.F. 18" RCP CL. III
SKEW 56°08'41"
ENDWALLS REQD. : 1 @ 18" 3:1 OUTLET
STD. DWG. NOS. D-PB-1, D-CB-12P, D-CB-42S, D-PE-18A, D-PE-18B
D.A. = 1.86 AC.
Q50 = 4.33 CFS
Q100 = 4.60 CFS
W.S. ELEV. (50) = 497.99
W.S. ELEV. (100) = 498.03

69+37.99

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CULVERT CROSS-SECTIONS

STA. 69+37.99
TO
STA. 74+55.38

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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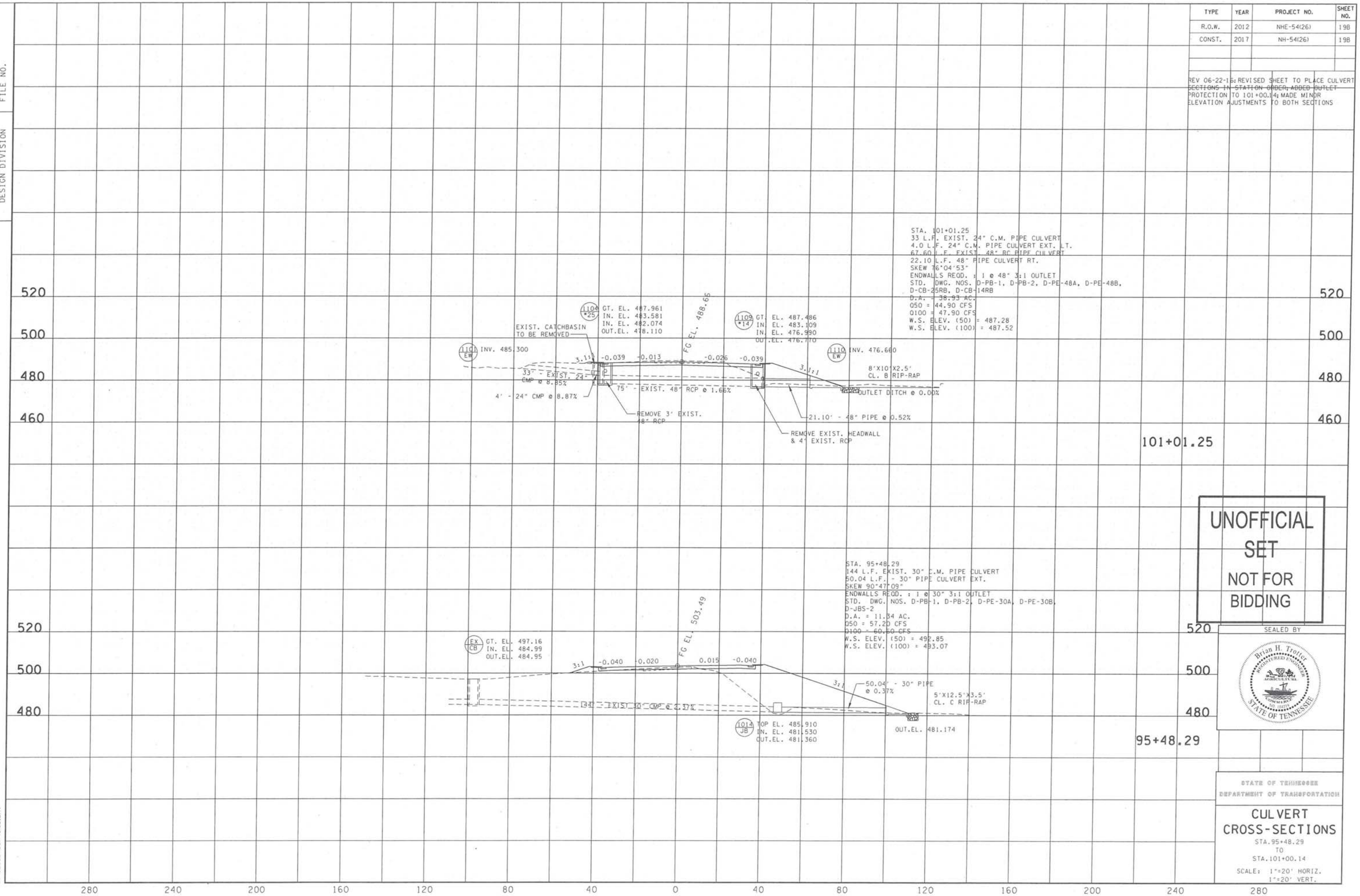
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	19B
CONST.	2017	NH-54(26)	19B

REV 06-22-16: REVISED SHEET TO PLACE CULVERT SECTIONS IN STATION ORDER, ADDED OUTLET PROTECTION TO 101+00.14; MADE MINOR ELEVATION AJUSTMENTS TO BOTH SECTIONS



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CULVERT CROSS-SECTIONS

STA. 95+48.29
TO
STA. 101+00.14

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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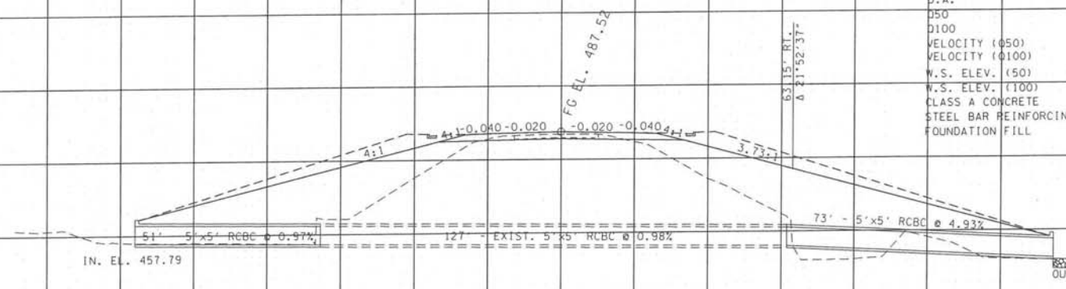
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	19G
CONST.	2017	NH-54(26)	19C

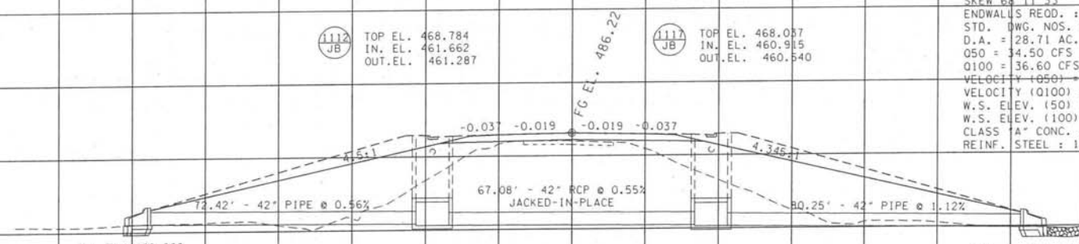
REV 12-02-16: ADDED SHEET



STA. 119+45.82
51 LF - 5'x5' RCBC EXT. LT.
127 LF - EXIST. 5'x5' RCBC
73 LF - 5'x5' RCBC EXT. RT.
SKEW 89°19'04"
STANDARD DRAWING NUMBERS STD-15-1, STD-15-2, STD-15-3, STD-15-4, STD-15-5, STD-15-6, STD-15-8, STD-15-9, STD-15-10, STD-15-12, STD-15-13, STD-15-14, STD-15-15, STD-19, STD-15-20, STD-15-25, STD-15-26, STD-15-27, STD-15-28, STD-15-29, STD-15-35

D.A.	90.41 AC.
Q50	66.9 CFS
Q100	74.1 CFS
VELOCITY (Q50)	5.54 ft/s
VELOCITY (Q100)	5.69 ft/s
W.S. ELEV. (50)	460.49
W.S. ELEV. (100)	460.69
CLASS A CONCRETE	97 C.Y.
STEEL BAR REINFORCING	19996 LB
FOUNDATION FILL	46 C.Y.

119+45.82



STA. 103+76.01
152.67 L.F. - 42" PIPE CULVERT
67.08 L.F. - 42" RC PIPE CULVERT CL. IV (JACKED-IN-PLACE)
SKEW 68°11'33"
ENDWALLS REQD. : 2 @ 42" TYPE "A" INLET & OUTLET
STD. DWG. NOS. D-PB-1, D-PB-2, D-PE-1, D-JBS-5
D.A. = 28.71 AC.
Q50 = 34.50 CFS
Q100 = 36.60 CFS
VELOCITY (Q50) = 8.64 ft/s
VELOCITY (Q100) = 8.77 ft/s
W.S. ELEV. (50) = 464.54
W.S. ELEV. (100) = 464.61
CLASS "A" CONC. = 9.70 C.Y.
REINF. STEEL = 168 LBS.

103+76.01

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CULVERT CROSS-SECTIONS

STA. 103+76.01
TO
STA. 119+45.82

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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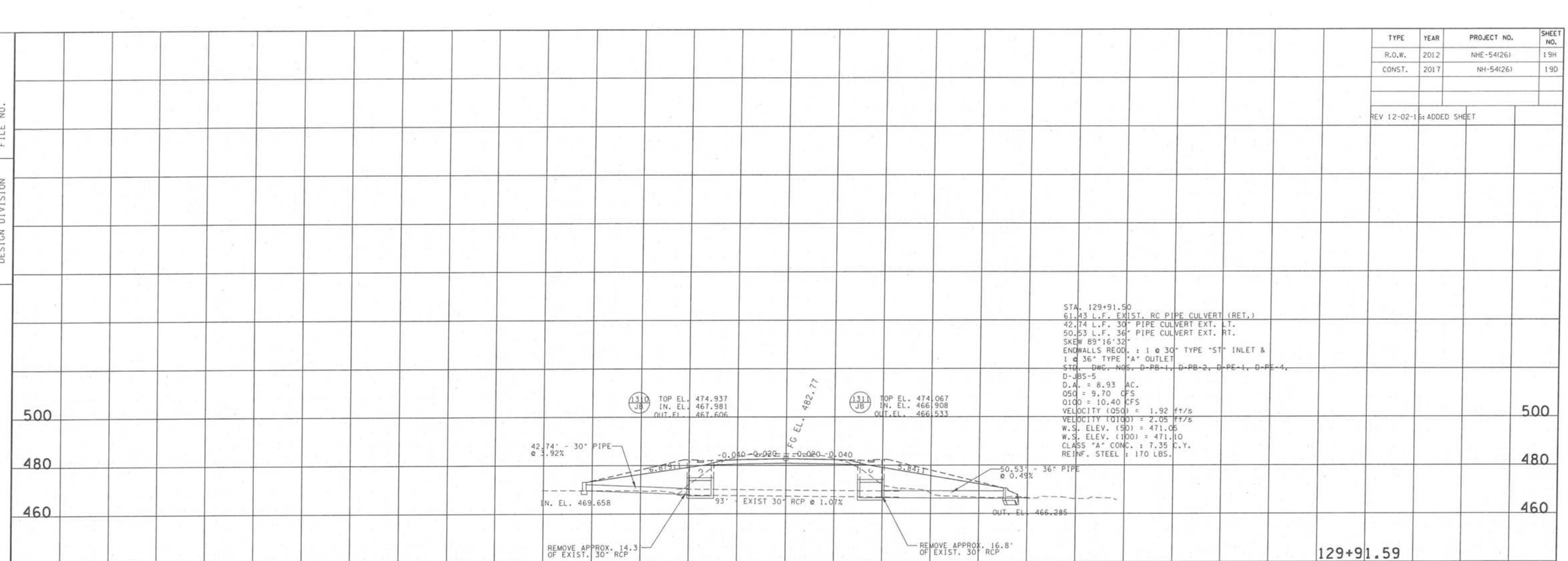
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	19H
CONST.	2017	NH-54(26)	19D

REV 12-02-16: ADDED SHEET



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CULVERT CROSS-SECTIONS

STA.127+18.94
TO
STA.129+91.59

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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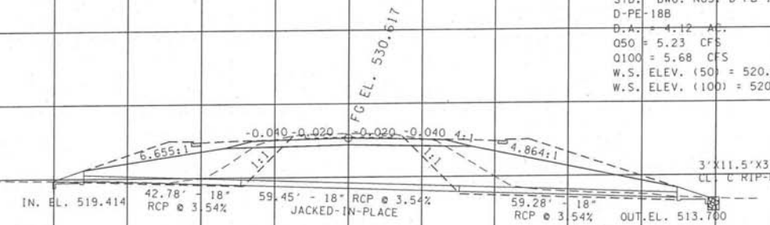
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	19I
CONST.	2017	NH-54(26)	19E

REV 12-02-16: ADDED SHEET

TENNESSEE D.O.T.
DESIGN DIVISION

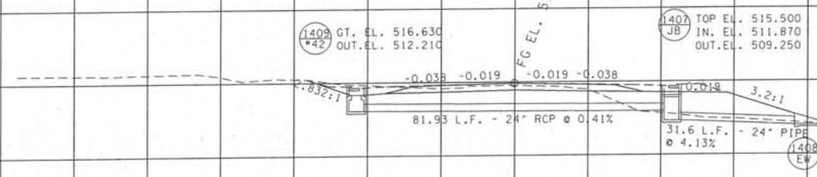
FILE NO.

STA. 150+79.00
42.78 L.F. - 18" RCP CL. III
59.45 L.F. - 18" RCP CL. IV (JACKED-IN-PLACE)
59.28 L.F. - 18" RCP CL. III
SKEW 90°00'00"
ENDWALLS REQD. : 2 @ 18" 3:1 INLET & OUTLET
STD. DWG. NOS. D-PB-1, D-CB-12P, D-PE-18A, D-PE-18B
D.A. = 4.12 AC.
Q50 = 5.23 CFS
Q100 = 5.68 CFS
W.S. ELEV. (50) = 520.72
W.S. ELEV. (100) = 520.80



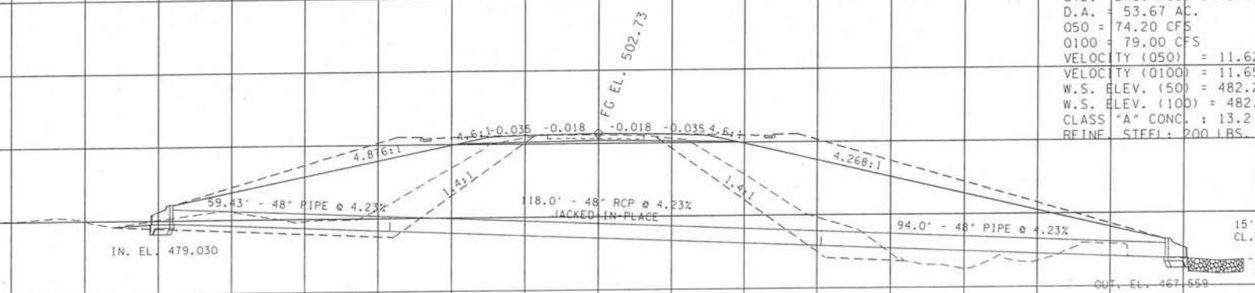
150+79.00

STA. 144+29.00
85.46 L.F. 24" R.C. PIPE CULVERT
24.71 L.F. 24" PIPE CULVERT
SKEW 89°16'32"
ENDWALLS REQD. : 1 @ 24" 3:1 OUTLET
STD. DWG. NOS. D-PB-1, D-PB-2, D-PC-3, D-PE-24A, D-PE-24B, D-JBS-2



144+29.00

STA. 137+34.81
153.43 L.F. - 48" PIPE CULVERT
118.0 L.F. - 48" RCP CL. IV (JACKED-IN-PLACE)
SKEW 60°37'47"
ENDWALLS REQD. : 2 @ 48" TYPE "A" INLET & OUTLET
STD. DWG. NOS. D-PB-1, D-PE-1
D.A. = 53.67 AC.
Q50 = 74.20 CFS
Q100 = 79.00 CFS
VELOCITY (Q50) = 11.62 ft/s
VELOCITY (Q100) = 11.65 ft/s
W.S. ELEV. (50) = 482.24
W.S. ELEV. (100) = 482.36
CLASS "A" CONC. : 13.2 C.Y.
REINF. STEEL: 200 LBS.



137+34.81

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CULVERT CROSS-SECTIONS

STA. 137+34.81
TO
STA. 150+79.00

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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TENNESSEE D.O.T.
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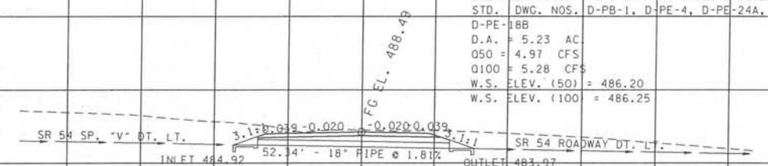
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	19J
CONST.	2017	NH-54(26)	19F

REV 12-02-16: ADDED SHEET



STA. 29+57.13 SMITH HEIGHTS RD.
52.34 L.F. - 18" PIPE CULVERT
SKEW 78°14'33"
ENDWALLS REQD. - 2 @ 24" 3:1 INLET & OUTLET
STD. DWG. NOS. D-PB-1, D-PE-4, D-PE-24A, D-PE-18B
D.A. = 5.23 AC
Q50 = 4.97 CFS
Q100 = 5.28 CFS
W.S. ELEV. (50) = 486.20
W.S. ELEV. (100) = 486.25

520
500
480

29+57.13 SMITH HEIGHTS RD.

280 240 200 160 120 80 40 0 40 80 120 160 200 240 280

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CULVERT CROSS-SECTIONS

STA.29+57.13
TO
STA.29+57.13

SCALE: 1"=20' HORIZ.
1"=20' VERT.

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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	20

EPSC NOTES

STREAMS, WETLANDS & BUFFER ZONES

(1) 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.

RAILROAD ENVIRONMENTAL

(1) THE CONTRACTOR SHALL MAINTAIN A COMPLETE AND COMPREHENSIVE EPSC PLAN AND SWPPP TO PREVENT ROADWAY AND/OR CONSTRUCTION SEDIMENT OR DEBRIS AND ANY PETROLEUM BASED PRODUCTS OR CHLORINATED SOLVENTS, PAINTS OR COATINGS ETC. FROM FALLING ONTO THE RAILROAD'S RIGHT-OF-WAY AND/OR FROM ENTERING THE DRAINAGE DITCHES OR DRAINAGE STRUCTURES OF THE RAILROAD, AND ANY SEDIMENT OR DEBRIS OR PETROLEUM BASED PRODUCTS OR CHLORINATED SOLVENTS, ETC. THAT DO ENTER SUCH DRAINAGE AREAS OF THE RAILROAD'S RIGHT-OF-WAY ARE TO BE REMOVED IN ACCORDANCE WITH RULES SET FORTH BY KWT RAILWAY INC. AND AT THE CONTRACTOR'S EXPENSE.

ENVIRONMENTAL

(1) 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.

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EROSION PREVENTION & SEDIMENT CONTROL (EPSC) NOTES

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	20
CONST.	2017	NH-54(26)	20A

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	STAGE 1 CLEARING & GRUBBING	STAGE 2 CONSTRUCTION	STAGE 3 CONSTRUCTION	STAGE 4 FINAL STABILIZATION	TOTAL	UNIT
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	215	215	200		630	C.Y.
209-05	SEDIMENT REMOVAL	428	862	434		1724	C.Y.
209-03.21	FILTER SOCK (12 INCH)	2160	5625	5816		13601	L.F.
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	6485	5060	4206		15751	L.F.
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	785	785	785		2355	L.F.
209-08.07	ROCK CHECK DAM PER	30	34	48		112	EACH
209-08.08	ENHANCED ROCK CHECK DAM	12	17	29		58	EACH
209-09.01	SANDBAGS	500	4800	4800		10100	EACH
209-09.04	SEDIMENT FILTER BAG (15' X 10')		3	3		6	EACH
209-09.43	CURB INLET PROTECTION (TYPE 4)		1	44		45	EACH
209-20.03	POLYETHYLENE SHEETING (6 MIL. MINIMUM)		126	126		251	S.Y.
209-40.33	CATCH BASIN PROTECTION (TYPE D)	28	19	11		58	EACH
209-40.41	CATCH BASIN FILTER ASSEMBLY (TYPE 1)		7	12		19	EACH
209-40.42	CATCH BASIN FILTER ASSEMBLY (TYPE 2)		1			1	EACH
209-40.45	CATCH BASIN FILTER ASSEMBLY (TYPE 5)		4	1		5	EACH
209-40.46	CATCH BASIN FILTER ASSEMBLY (TYPE 6)		23	26		49	EACH
209-40.47	CATCH BASIN FILTER ASSEMBLY (TYPE 7)		9	5		14	EACH
209-65.03	TEMPORARY DIVERSION CHANNEL		175			175	L.F.
303-10.01	MINERAL AGGREGATE (SIZE 57)	196	161	106		463	TON
621-03.05	36" TEMPORARY DRAINAGE PIPE		220	220		440	L.F.
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	2210	2210	2210		6630	L.F.
709-05.05	MACHINED RIP-RAP (CLASS A-3)	750	753	753		2256	TON
709-05.06	MACHINED RIP-RAP (CLASS A-1)	1232	460	246		1939	TON
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	2697	1501	917		5115	S.Y.
740-11.02	TEMPORARY SEDIMENT TUBE 12IN	22670	30400	32140		85210	L.F.
801-01.07	TEMPORARY SEEDING (WITH MULCH)	776	1334	470		2580	UNIT
801-02.08	TEMPORARY SEEDING (WITHOUT MULCH)			6		6	UNIT
801-03	WATER (SEEDING AND SODDING)	78	133	48	1125	1384	M.G.
803-01	SODDING (NEW SOD)				112511	112511	S.Y.
805-12.02	EROSION CONTROL BLANKET (TYPE II)			6158		6158	S.Y.

NOTE: ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
ALL TEMPORARY CONSTRUCTION EXIT LOCATIONS TO BE DETERMINED BY THE ENGINEER
SOD TABULATED IN STAGE 4 MAY BE PLACED DURING OTHER STAGES AS CONSTRUCTION ALLOWS

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
SFB SFB SFB	SEDIMENT FILTER BAG	EC-STR-2
* SF * SF * SF *	SILT FENCE	EC-STR-3B
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	ROCK CHECK DAM (V-DITCH)	EC-STR-6
	ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-STR-6A
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
** SOCK ** SOCK **	FILTER SOCK	EC-STR-8
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	CULVERT PROTECTION (TYPE 2)	EC-STR-11A
D	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY DIVERSION CHANNEL (DESCRIBE-SIZE AND TYPE OF LINING)	EC-STR-31
	SUSPENDED PIPE DIVERSION	EC-STR-33 EC-STR-33A
	EROSION CONTROL BLANKET	EC-STR-34
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
4	CURB INLET PROTECTION (TYPE 4)	EC-STR-39A
1	CATCH BASIN FILTER ASSEMBLY (TYPE 1)	EC-STR-41
2	CATCH BASIN FILTER ASSEMBLY (TYPE 2)	EC-STR-42
5	CATCH BASIN FILTER ASSEMBLY (TYPE 5)	EC-STR-45
6	CATCH BASIN FILTER ASSEMBLY (TYPE 6)	EC-STR-46
7	CATCH BASIN FILTER ASSEMBLY (TYPE 7)	EC-STR-47
* HVF * HVF	HIGH VISIBILITY CONSTRUCTION FENCE	
	WORK ZONE	

NOTES:

EXACT LOCATION OF TEMPORARY CONSTRUCTION EXITS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
STATE OF TENNESSEE

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	208

STAGE 1 - CLEARING & GRUBBING				
	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-1		2.42	
		OUT-1A	0.16	6.20%
		OUT-1B	0.09	1.90%
		OUT-1C	0.12	1.64%
		OUT-1D	0.92	2.50%
	OUT-2		0.34	5.20%
	OUT-3		0.09	5.60%
	OUT-4		0.90	
		OUT-4A	0.01	16.00%
		OUT-4B	0.09	3.20%
		OUT-4C	0.80	4.90%
	OUT-5		2.15	15.00%
	OUT-6		0.20	
		OUT-6A	0.10	3.20%
		OUT-6B	0.10	3.20%
	OUT-7		0.40	
		OUT-7A	0.20	5.70%
		OUT-7B	0.20	5.70%
	OUT-8		0.24	6.20%
	OUT-9		0.49	
		OUT-9A	0.09	2.30%
		OUT-9B	0.17	3.50%
		OUT-9C	0.10	1.50%
		OUT-9D	0.05	2.80%
		OUT-9E	0.08	6.50%
	OUT-10		0.03	2.40%
	OUT-11		0.12	6.00%
	OUT-12		0.07	4.20%
	OUT-13		0.08	10.00%
	OUT-14		0.08	12.00%
		OUT-14A	0.05	4.80%
	OUT-15		1.20	7.00%
		OUT-15A	0.85	5.20%
	OUT-16		0.05	9.00%
	OUT-17		0.14	30.00%
	OUT-18		0.16	15.00%
	OUT-19		0.08	
		OUT-19A	0.02	2.20%
		OUT-19B	0.06	11.00%
	OUT-20		0.59	
◊		OUT-20A	0.14	15.00%
		OUT-20B	0.45	5.00%
	OUT-21		0.12	4.00%
□	OUT-22		7.32	
		OUT-22A	0.02	7.50%
		OUT-22B	0.19	7.50%
	OUT-23		0.08	4.80%
	OUT-24		0.14	16.00%

STAGE 1 - CLEARING & GRUBBING				
	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-25		9.78	9.00%
o		OUT-25A	0.28	1.45%
o		OUT-25B	0.45	2.80%
o		OUT-25C	0.13	4.50%
o		OUT-25D	2.28	6.70%
	OUT-26		39.52	
o		OUT-26A	0.09	8.00%
		OUT-26B	0.50	33.00%
o		OUT-26C	38.93	23.00%
	OUT-27		0.41	24.00%
	OUT-28		0.31	72.00%
	OUT-29		0.66	13.00%
	OUT-30		0.86	9.30%
	OUT-31		0.28	63.00%
	OUT-32		0.06	15.80%
	OUT-33		0.40	57.30%
	OUT-34		1.07	8.80%
	OUT-35		1.70	9.85%
	OUT-36		0.49	16.90%
	OUT-37		0.11	13.30%
	OUT-38		0.33	23.10%
	OUT-39		0.27	11.15%
	OUT-40		0.92	19.81%
	OUT-41		0.28	13.23%
	OUT-42		0.81	5.89%
	OUT-43		0.14	72.60%
	OUT-44		0.10	42.50%
	OUT-45		0.35	17.70%
	OUT-46		3.18	13.71%
	OUT-47		0.09	35.60%
	OUT-48		0.42	6.11%
	OUT-49		0.18	2.45%
	OUT-50		0.38	23.57%
	OUT-51		0.66	17.61%
	OUT-52		1.63	12.78%
	OUT-53		0.25	17.51%
	OUT-54		0.26	19.64%
	OUT-55		1.09	29.47%
	OUT-56		1.02	25.63%

o OFF-SITE STORM WATER RUNOFF IS DIVERTED THROUGH THE SITE BY WAY OF SLOPE DRAINS, EXISTING PIPES, STABILIZED CHANNELS OR PROPOSED PIPES
◊ STRUCTURE WILL BE CAPPED, REMOVED OR ABANDONED IN THIS STAGE
□ 7.11 AC IS OFF-SITE RUNOFF DIVERTED THROUGHT THE SITE BY EXISTING DRAINAGE STRUCTURES

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC OUTFALL TABLE
STAGE 1
SHEET 1 OF 4

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	20C

REV. 06-28-17: ADDED OUTFALL OUT-60C.

	STAGE 2 - CONSTRUCTION PHASE 2			
	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-1		2.42	
		OUT-1A	0.16	6.20%
◊		OUT-1B	0.09	1.90%
		OUT-1C	0.12	1.64%
		OUT-1D	0.92	2.50%
◊	OUT-2		0.34	5.20%
	OUT-3		0.09	5.60%
	OUT-4		0.90	
		OUT-4A	0.01	16.00%
◊		OUT-4B	0.09	3.20%
◊		OUT-4C	0.80	4.90%
	OUT-5		2.15	15.00%
	OUT-6		0.20	
		OUT-6A	0.10	3.20%
◊		OUT-6B	0.10	3.20%
	OUT-7		0.40	
		OUT-7A	0.20	5.70%
		OUT-7B	0.20	5.70%
	OUT-9		0.49	
		OUT-9A	0.09	2.30%
		OUT-9B	0.17	3.50%
◊		OUT-9C	0.10	1.50%
◊		OUT-9D	0.05	2.80%
◊		OUT-9E	0.08	6.50%
	OUT-10		0.03	2.40%
◊	OUT-11		0.12	6.00%
	OUT-12		0.07	4.20%
	OUT-13		0.08	10.00%
◊		OUT-14A	0.05	4.80%
◊		OUT-15A	0.85	5.20%
	OUT-17		0.14	30.00%
	OUT-18		0.16	15.00%
	OUT-19		0.73	
◊		OUT-19A	0.02	2.20%
		OUT-19B	0.28	5.50%
		OUT-19C	0.35	2.11%
		OUT-19D	0.10	2.49%
	OUT-20		1.83	
		OUT-20B	0.51	6.20%
		OUT-20C	0.11	2.04%
		OUT-20D	0.24	2.26%
		OUT-20E	0.21	2.11%
		OUT-20F	0.19	2.11%
		OUT-20G	0.34	2.39%
		OUT-20H	0.09	2.00%
		OUT-20I	0.14	2.00%

	STAGE 2 - CONSTRUCTION PHASE 2			
	OUTFALL	SUB-OUTFALL	AREA	SLOPE
□	OUT-22		8.75	
		OUT-22A	0.11	7.50%
		OUT-22B	0.10	7.50%
		OUT-22C	0.14	3.60%
		OUT-22D	0.17	3.60%
		OUT-22E	0.32	3.60%
		OUT-22F	0.07	3.60%
		OUT-22G	0.28	3.60%
		OUT-22H	0.14	3.60%
		OUT-22I	0.31	3.60%
	OUT-23		0.08	4.80%
	OUT-24		0.14	16.00%
	OUT-25		9.78	9.00%
o		OUT-25A	0.28	1.45%
o		OUT-25B	0.45	2.80%
o		OUT-25C	0.13	4.50%
o		OUT-25D	2.28	6.70%
	OUT-26		40.44	
o		OUT-26A	0.35	8.00%
		OUT-26B	0.43	33.00%
o		OUT-26C	38.93	23.00%
		OUT-26D	0.73	3.34%
	OUT-27		0.41	24.00%
	OUT-28		0.31	72.00%
	OUT-29		0.66	13.00%
	OUT-30		0.86	9.30%
	OUT-31		0.28	63.00%
	OUT-32		0.06	15.80%
	OUT-33		0.40	57.30%
	OUT-34		1.07	8.80%
	OUT-35		1.70	9.85%
	OUT-36		0.49	16.90%
	OUT-37		0.11	13.30%
	OUT-38		0.33	23.10%
	OUT-39		0.27	11.15%
	OUT-40		0.92	19.81%
	OUT-41		0.28	13.23%
	OUT-42		0.81	5.89%
	OUT-43		0.14	72.60%
	OUT-44		0.10	42.50%
	OUT-45		0.35	17.70%

	STAGE 2 - CONSTRUCTION PHASE 2			
	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-46		3.18	13.71%
	OUT-47		0.09	35.60%
	OUT-48		0.42	6.11%
	OUT-49		0.18	2.45%
	OUT-50		0.38	23.57%
	OUT-51		0.66	17.61%
	OUT-52		1.63	12.78%
	OUT-53		0.25	17.51%
	OUT-54		0.26	19.64%
	OUT-55		1.09	29.47%
	OUT-56		1.02	25.63%
	OUT-57		1.81	
		OUT-57A	0.10	4.67%
		OUT-57B	0.26	4.52%
		OUT-57C	0.25	3.28%
		OUT-57D	0.29	2.47%
		OUT-57E	0.18	4.14%
		OUT-57F	0.40	4.17%
		OUT-57G	0.33	2.95%
	OUT-58		1.50	35.90%
	OUT-59		7.16	40.40%
		OUT-59A	0.11	4.80%
	OUT-60		2.04	
		OUT-60C	0.05	8.67%
		OUT-60D	0.08	5.45%
		OUT-60E	0.17	4.70%
		OUT-60F	0.03	4.00%
		OUT-60G	0.05	4.00%
		OUT-60H	0.16	11.80%
		OUT-60J	0.16	9.80%
		OUT-60L	1.29	3.04%
		OUT-60M	0.05	12.16%
	OUT-61	(NOT USED)		
	OUT-62		0.13	2.45%
	OUT-63		0.40	4.31%
	OUT-64		2.64	
		OUT-64A	0.26	5.35%
		OUT-64B	0.49	6.58%
		OUT-64C	0.37	7.70%
		OUT-64D	0.25	6.28%
		OUT-64E	0.97	4.00%
		OUT-64F	0.30	4.12%
	OUT-65		0.57	25.11%

o OFF-SITE STORM WATER RUNOFF IS DIVERTED THROUGH THE SITE BYWAY OF SLOPE DRAINS, EXISTING PIPES, STABILIZED CHANNELS OR PROPOSED PIPES
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□ 7.11 AC IS OFF-SITE RUNOFF DIVERTED THROUGHT THE SITE BY EXISTING DRAINAGE STRUCTURES

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC OUTFALL TABLE
STAGE 2
SHEET 2 OF 4

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	20D

REV. 06-28-17: ADDED OUTFALL OUT-22S.

STAGE 3 - CONSTRUCTION PHASE 3

	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-1		2.42	
		OUT-1A	0.16	6.20%
◊		OUT-1C	0.12	1.64%
		OUT-1D	0.92	2.50%
	OUT-3		0.14	
◊	OUT-4		0.01	
◊		OUT-4A	0.01	16.00%
	OUT-5		2.15	15.00%
◊	OUT-6		0.20	
◊		OUT-6A	0.10	3.20%
◊	OUT-7		0.40	
◊		OUT-7A	0.20	5.70%
◊		OUT-7B	0.20	5.70%
◊	OUT-9		0.49	
◊		OUT-9A	0.09	2.30%
◊		OUT-9B	0.17	3.50%
◊	OUT-10		0.03	2.40%
◊	OUT-12		0.07	4.20%
	OUT-17		0.14	30.00%
	OUT-18		0.16	15.00%
	OUT-19		1.85	
		OUT-19B	0.28	5.50%
		OUT-19C	0.35	2.11%
		OUT-19D	0.10	2.49%
		OUT-19E	0.38	7.50%
		OUT-19F	0.35	2.11%
		OUT-19G	0.39	10.00%
	OUT-20		7.31	
		OUT-20B	0.51	6.20%
		OUT-20C	0.11	2.04%
		OUT-20D	0.24	2.26%
		OUT-20E	0.21	2.11%
		OUT-20F	0.19	2.11%
		OUT-20G	0.34	2.39%
		OUT-20H	0.09	2.00%
		OUT-20I	0.14	2.00%
		OUT-20J	0.24	2.11%
		OUT-20K	1.16	2.11%
		OUT-20L	0.20	2.39%
		OUT-20M	0.27	2.39%
		OUT-20N	0.30	5.71%
		OUT-20O	2.15	2.75%
		OUT-20P	0.15	2.65%
		OUT-20Q	0.24	5.73%
		OUT-20R	0.60	3.70%
		OUT-20S	0.17	7.94%

STAGE 3 - CONSTRUCTION PHASE 3

	OUTFALL	SUB-OUTFALL	AREA	SLOPE
□	OUT-22		11.39	
		OUT-22A	0.11	7.50%
		OUT-22B	0.10	7.50%
		OUT-22C	0.14	3.60%
		OUT-22D	0.17	3.60%
		OUT-22E	0.32	3.60%
		OUT-22F	0.07	3.60%
		OUT-22G	0.28	3.60%
		OUT-22H	0.14	3.60%
		OUT-22I	0.31	3.60%
		OUT-22J	0.73	4.20%
		OUT-22K	0.42	2.11%
		OUT-22L	0.09	1.82%
		OUT-22M	0.32	3.20%
		OUT-22N	0.35	3.50%
		OUT-22O	0.33	2.95%
		OUT-22P	0.23	2.05%
		OUT-22Q	0.17	4.03%
	OUT-23		0.08	4.80%
	OUT-24		0.14	16.00%
	OUT-25		9.78	9.00%
o		OUT-25A	0.28	1.45%
o		OUT-25B	0.45	2.80%
o		OUT-25C	0.13	4.50%
o		OUT-25D	2.28	6.70%
	OUT-26		42.24	
o		OUT-26A	0.35	8.00%
		OUT-26B	0.43	33.00%
o		OUT-26C	38.93	23.00%
		OUT-26D	0.73	3.34%
		OUT-26E	1.12	3.34%
		OUT-26F	0.64	2.57%
		OUT-26G	0.04	4.47%
	OUT-27		0.65	
		OUT-27A	0.23	6.32%
		OUT-27B	0.17	2.34%
		OUT-27C	0.25	2.63%
	OUT-28		0.31	72.00%
	OUT-29		0.66	13.00%
	OUT-30		0.86	9.30%
	OUT-31		0.28	63.00%
	OUT-32		0.06	15.80%
	OUT-33		0.40	57.30%
	OUT-34		1.07	8.80%
	OUT-35		1.70	9.85%
	OUT-36		0.49	16.90%

STAGE 3 - CONSTRUCTION PHASE 3

	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-37		0.11	13.30%
	OUT-38		0.33	23.10%
	OUT-39		0.27	11.15%
	OUT-40		0.92	19.81%
	OUT-41		0.28	13.23%
	OUT-42		0.81	5.89%
	OUT-43		0.14	72.60%
	OUT-44		0.10	42.50%
	OUT-45		0.35	17.70%
	OUT-46		3.18	13.71%
	OUT-57		1.81	
		OUT-57A	0.10	4.67%
		OUT-57B	0.26	4.52%
		OUT-57C	0.25	3.28%
		OUT-57D	0.29	2.47%
		OUT-57E	0.18	4.14%
		OUT-57F	0.40	4.17%
		OUT-57G	0.33	2.95%
	OUT-58		1.50	35.90%
	OUT-59		7.16	40.40%
		OUT-59A	0.11	4.80%
	OUT-60		3.97	
		OUT-60A	0.25	4.87%
		OUT-60B	0.37	3.78%
		OUT-60C	0.05	8.67%
		OUT-60D	0.08	5.45%
		OUT-60E	0.17	4.70%
		OUT-60F	0.03	4.00%
		OUT-60G	0.05	4.00%
		OUT-60H	0.16	11.80%
		OUT-60I	0.16	2.69%
		OUT-60J	0.16	9.80%
		OUT-60K	0.13	2.03%
		OUT-60L	1.29	3.04%
		OUT-60M	0.05	12.16%
		OUT-60N	0.25	2.77%
		OUT-60O	0.13	2.60%
		OUT-60P	0.33	6.50%
		OUT-60Q	0.20	2.03%
		OUT-60R	0.11	2.04%
	OUT-61	(NOT USED)		
	OUT-62		0.13	2.45%
	OUT-63		0.78	4.31%
		OUT-63A	0.20	2.03%
		OUT-63B	0.18	3.22%

STAGE 3 - CONSTRUCTION PHASE 3

	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-64		2.64	
		OUT-64A	0.26	5.35%
		OUT-64B	0.49	6.58%
		OUT-64C	0.37	7.70%
		OUT-64D	0.25	6.28%
		OUT-64E	0.97	4.00%
		OUT-64F	0.30	4.12%
	OUT-65		0.57	25.11%
	OUT-66		0.80	
		OUT-66A	0.19	5.06%
		OUT-66B	0.22	4.01%
		OUT-66C	0.25	2.63%
		OUT-66D	0.14	3.04%
	OUT-67		0.41	5.37%
	OUT-68		0.11	2.04%
	OUT-69		1.14	
		OUT-69A	0.21	2.03%
		OUT-69B	0.32	2.39%
		OUT-69C	0.28	5.34%
		OUT-69D	0.14	7.19%
		OUT-69E	0.19	6.49%
	OUT-70		4.20	6.65%

o OFF-SITE STORM WATER RUNOFF IS DIVERTED THROUGH THE SITE BY WAY OF SLOPE DRAINS, EXISTING PIPES, STABILIZED CHANNELS OR PROPOSED PIPES
◊ STRUCTURE WILL BE CAPPED, REMOVED OR ABANDONED IN THIS STAGE
□ 7.11 AC IS OFF-SITE RUNOFF DIVERTED THROUGHT THE SITE BY EXISTING DRAINAGE STRUCTURES

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC OUTFALL TABLE
STAGE 3

SHEET 3 OF 4

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	20E

STAGE 4 - FINAL STABILIZATION

	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-1		2.42	
		OUT-1A	0.16	6.20%
		OUT-1D	0.92	2.50%
	OUT-3		0.14	
	OUT-5		2.15	15.00%
	OUT-17		0.14	30.00%
	OUT-18		0.16	15.00%
	OUT-19		1.85	
		OUT-19B	0.28	5.50%
		OUT-19C	0.35	2.11%
		OUT-19D	0.10	2.49%
		OUT-19E	0.38	7.50%
		OUT-19F	0.35	2.11%
		OUT-19G	0.39	10.00%
	OUT-20		7.31	
		OUT-20B	0.51	6.20%
		OUT-20C	0.11	2.04%
		OUT-20D	0.24	2.26%
		OUT-20E	0.21	2.11%
		OUT-20F	0.19	2.11%
		OUT-20G	0.34	2.39%
		OUT-20H	0.09	2.00%
		OUT-20I	0.14	2.00%
		OUT-20J	0.24	2.11%
		OUT-20K	1.16	2.11%
		OUT-20L	0.20	2.39%
		OUT-20M	0.27	2.39%
		OUT-20N	0.30	5.71%
		OUT-20O	2.15	2.75%
		OUT-20P	0.15	2.65%
		OUT-20Q	0.24	5.73%
		OUT-20R	0.60	3.70%
		OUT-20S	0.17	7.94%
□	OUT-22		11.39	
		OUT-22A	0.11	7.50%
		OUT-22B	0.10	7.50%
		OUT-22C	0.14	3.60%
		OUT-22D	0.17	3.60%
		OUT-22E	0.32	3.60%
		OUT-22F	0.07	3.60%
		OUT-22G	0.28	3.60%
		OUT-22H	0.14	3.60%
		OUT-22I	0.31	3.60%
		OUT-22J	0.73	4.20%
		OUT-22K	0.42	2.11%
		OUT-22L	0.09	1.82%
		OUT-22M	0.32	3.20%
		OUT-22N	0.35	3.50%
		OUT-22O	0.33	2.95%
		OUT-22P	0.23	2.05%
		OUT-22Q	0.17	4.03%

STAGE 4 - FINAL STABILIZATION

	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-23		0.08	4.80%
	OUT-24		0.14	16.00%
	OUT-25		9.78	9.00%
o		OUT-25A	0.28	1.45%
o		OUT-25B	0.45	2.80%
o		OUT-25C	0.13	4.50%
o		OUT-25D	2.28	6.70%
	OUT-26		42.24	
o		OUT-26A	0.35	8.00%
		OUT-26B	0.43	33.00%
o		OUT-26C	38.93	23.00%
		OUT-26D	0.73	3.34%
		OUT-26E	1.12	3.34%
		OUT-26F	0.64	2.57%
		OUT-26G	0.04	4.47%
	OUT-27		0.65	
		OUT-27A	0.23	6.32%
		OUT-27B	0.17	2.34%
		OUT-27C	0.25	2.63%
	OUT-28		0.31	72.00%
	OUT-29		0.66	13.00%
	OUT-30		0.86	9.30%
	OUT-31		0.28	63.00%
	OUT-32		0.06	15.80%
	OUT-33		0.40	57.30%
	OUT-34		1.07	8.80%
	OUT-35		1.70	9.85%
	OUT-36		0.49	16.90%
	OUT-37		0.11	13.30%
	OUT-38		0.33	23.10%
	OUT-39		0.27	11.15%
	OUT-40		0.92	19.81%
	OUT-41		0.28	13.23%
	OUT-42		0.81	5.89%
	OUT-43		0.14	72.60%
	OUT-44		0.10	42.50%
	OUT-45		0.35	17.70%
	OUT-46		3.18	13.71%

STAGE 4 - FINAL STABILIZATION

	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-57		181	
		OUT-57A	010	4.67%
		OUT-57B	026	4.52%
		OUT-57C	025	3.28%
		OUT-57D	029	2.47%
		OUT-57E	018	4.14%
		OUT-57F	040	4.17%
		OUT-57G	033	2.95%
	OUT-58		150	35.90%
	OUT-59		716	40.40%
		OUT-59A	011	4.80%
	OUT-60		397	
		OUT-60A	025	4.87%
		OUT-60B	037	3.78%
		OUT-60C	005	8.67%
		OUT-60D	008	5.45%
		OUT-60E	017	4.70%
		OUT-60F	003	4.00%
		OUT-60G	005	4.00%
		OUT-60H	016	11.80%
		OUT-60I	016	2.69%
		OUT-60J	016	9.80%
		OUT-60K	013	2.03%
		OUT-60L	129	3.04%
		OUT-60M	005	12.16%
		OUT-60N	025	2.77%
		OUT-60O	013	2.60%
		OUT-60P	033	6.50%
		OUT-60Q	020	2.03%
		OUT-60R	011	2.04%
	OUT-61	(NOT USED)		
	OUT-62		013	2.45%
	OUT-63		078	4.31%
		OUT-63A	020	2.03%
		OUT-63B	018	3.22%
	OUT-64		264	
		OUT-64A	0.26	5.35%
		OUT-64B	0.49	6.58%
		OUT-64C	0.37	7.70%
		OUT-64D	0.25	6.28%
		OUT-64E	0.97	4.00%
		OUT-64F	0.30	4.12%
	OUT-65		0.57	25.11%
	OUT-66		0.80	
		OUT-66A	0.19	5.06%
		OUT-66B	0.22	4.01%
		OUT-66C	0.25	2.63%
		OUT-66D	014	3.04%

STAGE 4 - FINAL STABILIZATION

	OUTFALL	SUB-OUTFALL	AREA	SLOPE
	OUT-67		0.41	5.37%
	OUT-68		0.11	2.04%
	OUT-69		1.14	
		OUT-69A	0.21	2.05%
		OUT-69B	0.32	2.39%
		OUT-69C	0.28	5.34%
		OUT-69D	0.14	7.19%
		OUT-69E	0.19	6.49%
	OUT-70		4.20	6.65%

o OFF-SITE STORM WATER RUNOFF IS DIVERTED THROUGH THE SITE BY WAY OF SLOPE DRAINS, EXISTING PIPES, STABILIZED CHANNELS OR PROPOSED PIPES

◊ STRUCTURE WILL BE CAPPED, REMOVED OR ABANDONED IN THIS STAGE

□ 7.11 AC IS OFF-SITE RUNOFF DIVERTED THROUGHT THE SITE BY EXISTING DRAINAGE STRUCTURES

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EPSC OUTFALL TABLE STAGE 4

SHEET 4 OF 4

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21
CONST.	2017	NH-54(26)	21

NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

N

SR 54 STA. 16+64.58 =
RISON STREET W. STA. 30+00.00
RISON STREET E. STA. 30+00.00
N 726389.5240
E 1283143.1082

BEGIN PROJ. NO. NHE-54(26) R.O.W.
STA. 15+24.51
N 726249.5207
E 1283139.3615

BEGIN PROJ. NO. NH-54(26) CONST.
STA. 15+00.00
N 726225.0357
E 1283138.2555

N 2°35'11" E

S.R. 54

S 84° 46' 52" E

RISON ST. W.

S 89°18'49" E

S 88°03'07" E

RISON ST. E

NORTH POPLAR STREET

OUT - 1

OUT - 1A

OUT - 1B

OUT - 1C

OUT - 1D

10

15

25

MATCH LINE STA. 19+00 SEE SHT. NO. 21A

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

BEGIN PROJECT TO STA.19+00
SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

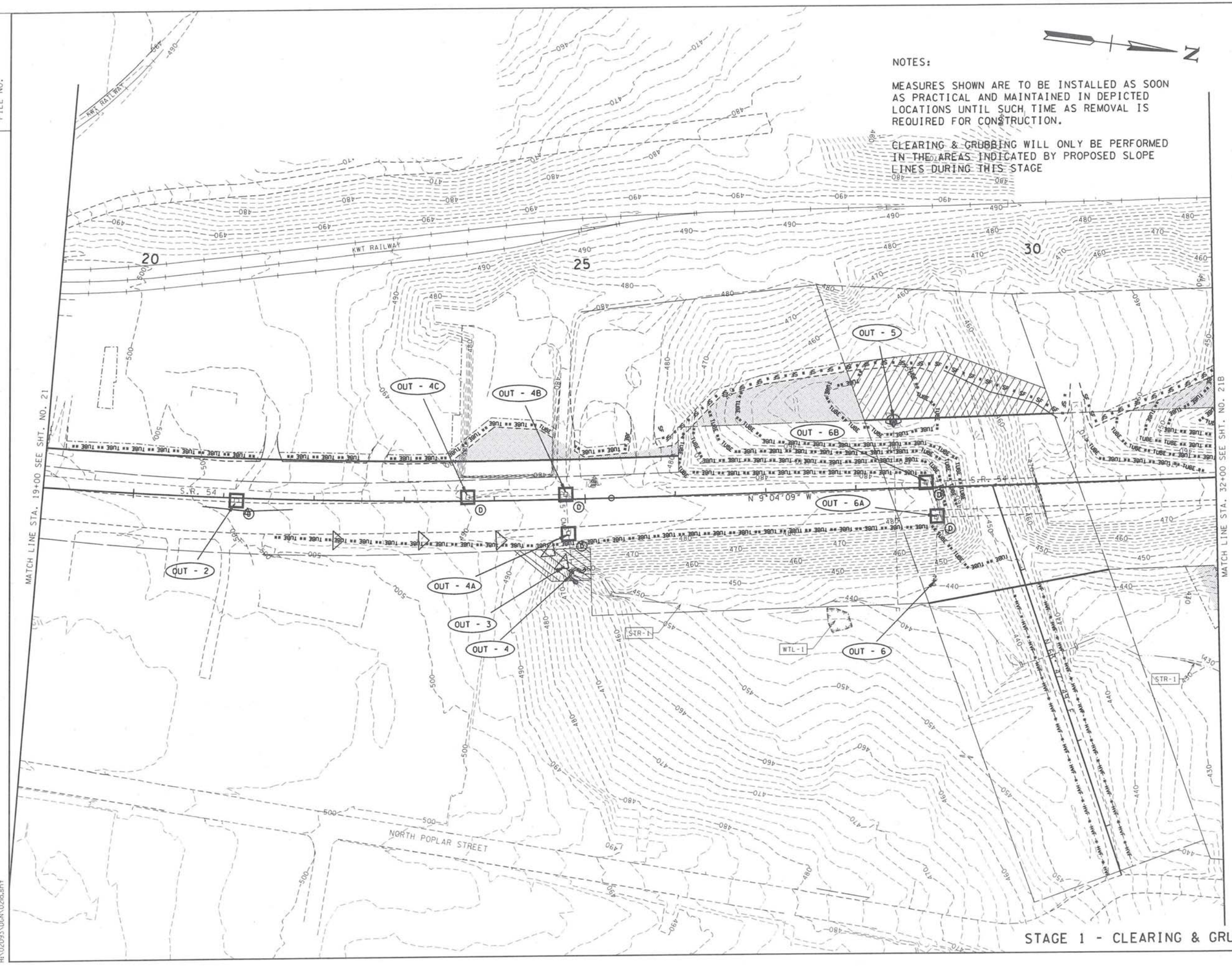
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21A
CONST.	2017	NH-54(26)	21A

REV 10-14-16: REMOVED SNK-1

NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE



STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 19+00 TO STA. 32+00
SCALE: 1" = 50'

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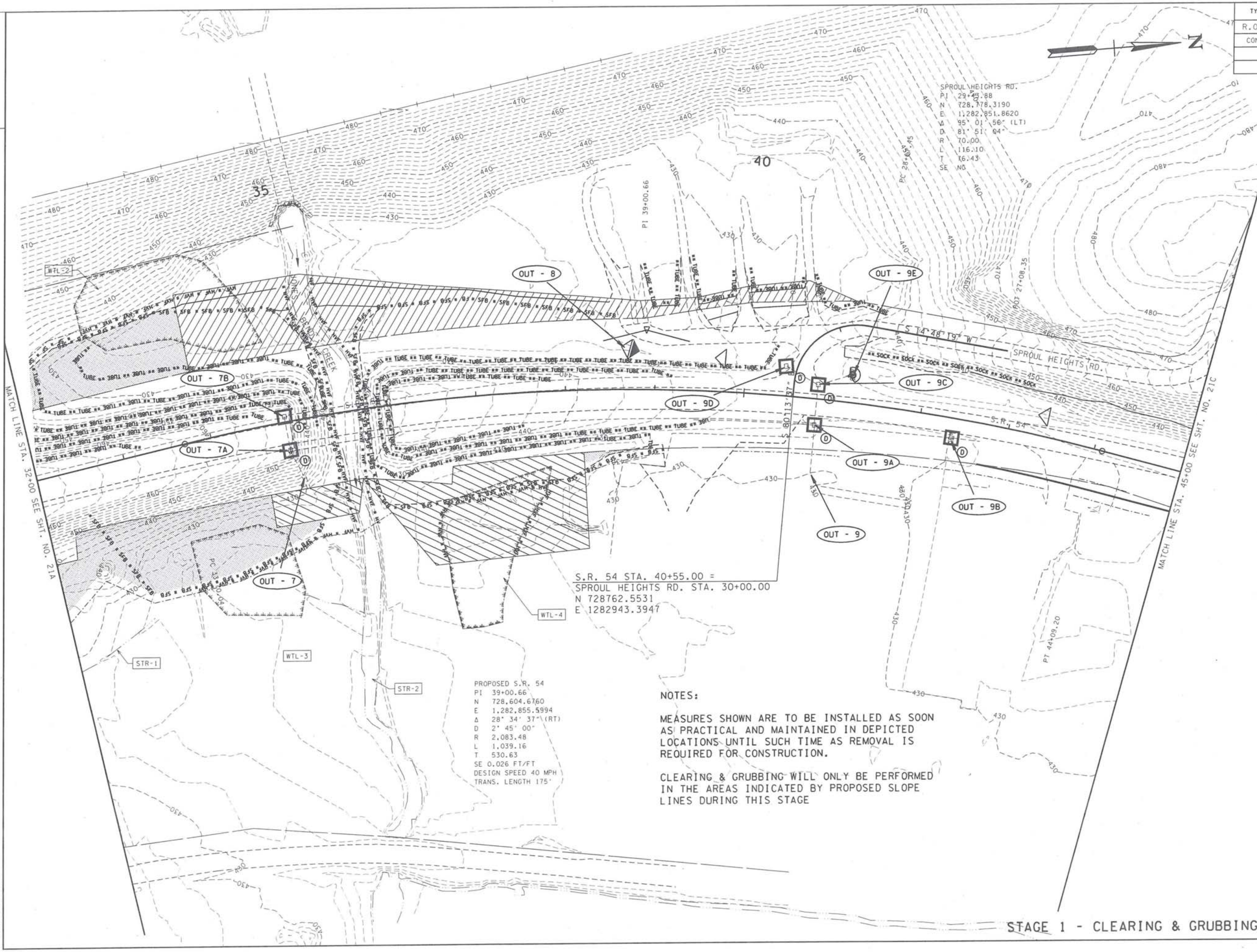
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21B
CONST.	2017	NH-54(26)	21B



NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter — Registered Engineer — State of Tennessee

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 32+00 TO STA. 45+00
SCALE: 1"= 50'

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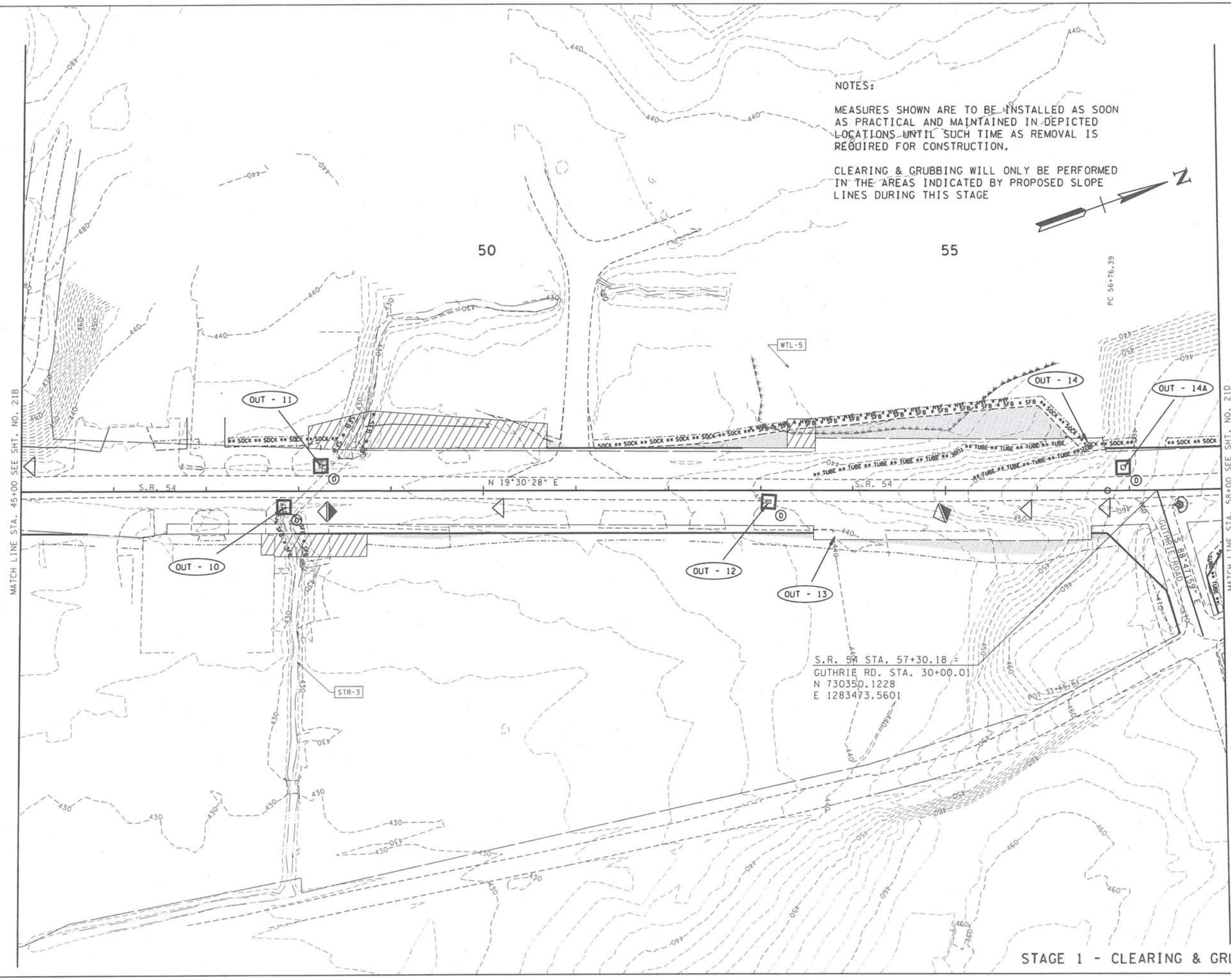
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21C
CONST.	2017	NH-54(26)	21C

NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE



STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995). ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 45+00 TO STA. 58+00
SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

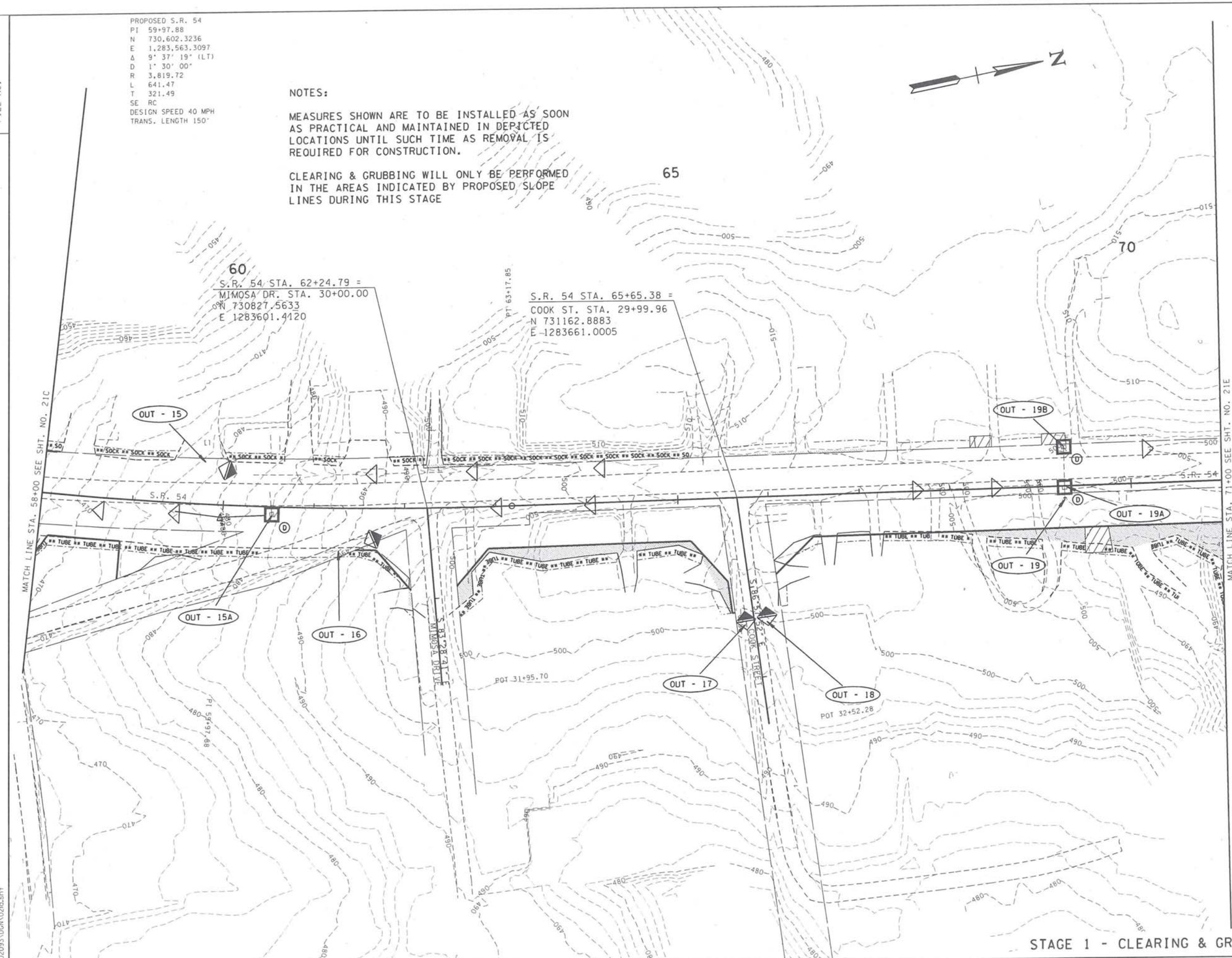
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21D
CONST.	2017	NH-54(26)	21D

PROPOSED S.R. 54
PI 59+97.88
N 730,602.3236
E 1,283,563.3097
Δ 9° 37' 19" (LT)
D 1° 30' 00"
R 3,819.72
L 641.47
T 321.49
SE RC
DESIGN SPEED 40 MPH
TRANS. LENGTH 150'

NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE



STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 58+00 TO STA. 71+00
SCALE: 1"= 50'

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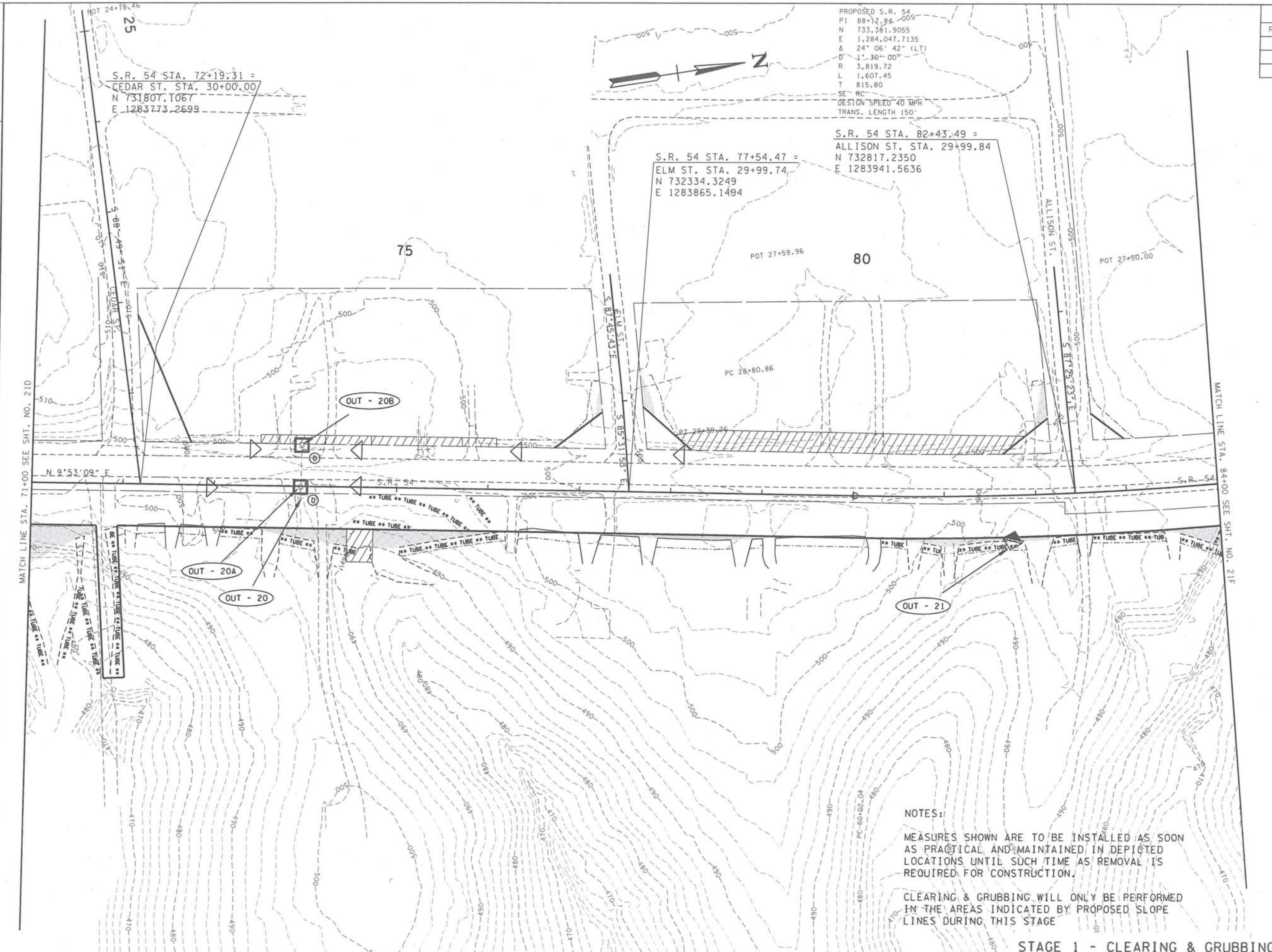
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21E
CONST.	2017	NH-54(26)	21E

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 71+00 TO STA. 84+00
SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21F
CONST.	2017	NH-54(26)	21F

S.R. 54 STA. 87+86.29 =
B.R. SMITH RD. STA. 30+00.04
N 733359.1828
E 1283962.3173

S.R. 54 STA. 91+75.00 =
OLD PARIS-MURRAY HWY. STA. 30+00.00
N 733746.3650
E 1283929.8504

N

OUT - 25A
OUT - 25B
OUT - 25C
OUT - 25D
OUT - 25
OUT - 24
OUT - 23
OUT - 22
OUT - 22A
OUT - 22B

WWC-1/EPH-1
WWC-2/EPH-2

S 86°44'15" E
B.R. SMITH RD
N 20°27'19" E
OLD PARIS-MURRAY HWY
S.R. 54

85
90
95

MATCH LINE STA. 84+00 SEE SHT. NO. 21E
MATCH LINE STA. 97+00 SEE SHT. NO. 21G

NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURA
COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.0000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 84+00 TO STA. 97+00
SCALE: 1"= 50'

6/1/2017 9:08:00 AM
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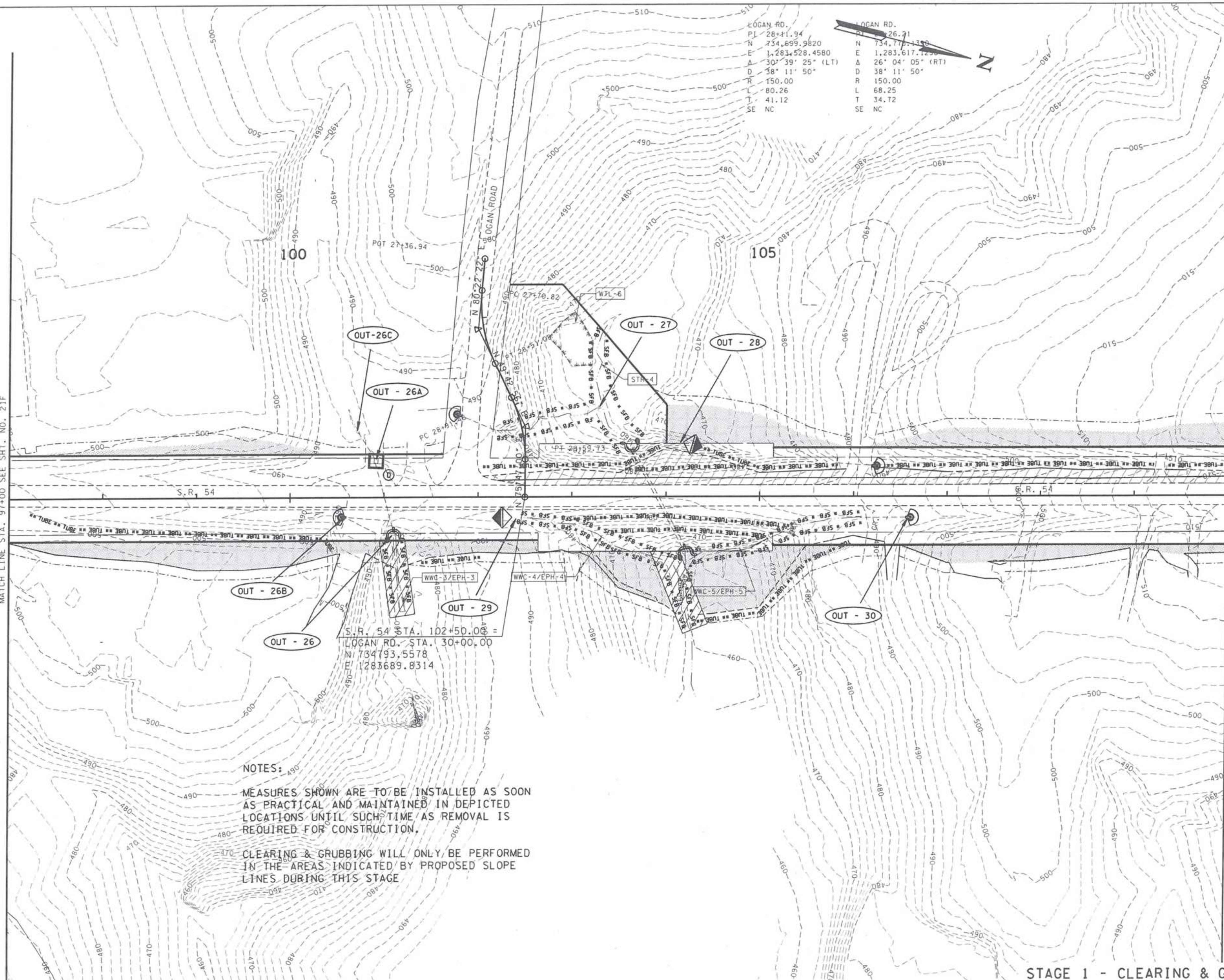
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21G
CONST.	2017	NH-54(26)	21G

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



NOTES:

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CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 97+00 TO STA. 110+00
SCALE: 1"= 50'

6/1/2017 9:08:01 AM
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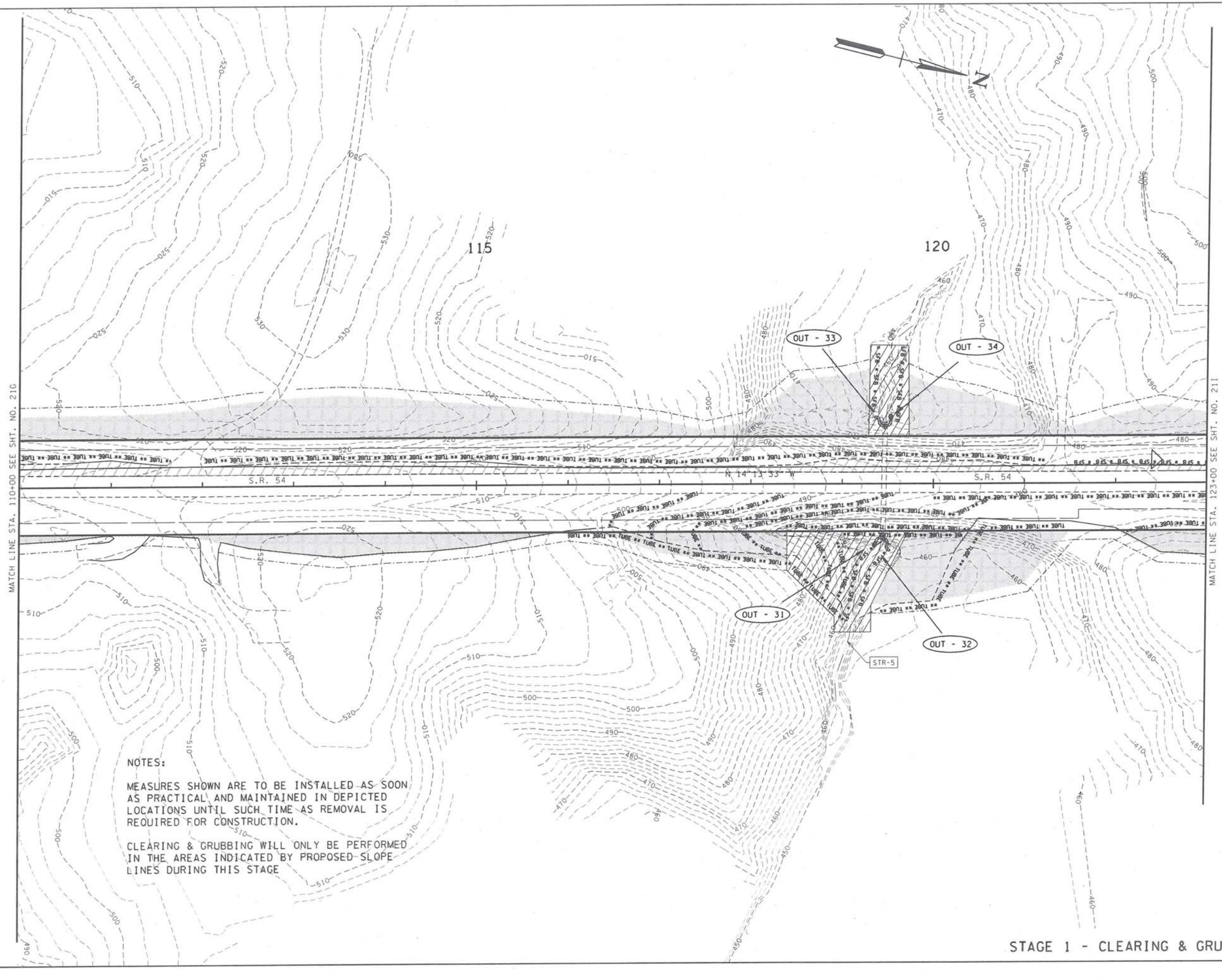
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21H
CONST.	2017	NH-54(26)	21H



NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 110+00 TO STA. 123+00
SCALE: 1" = 50'

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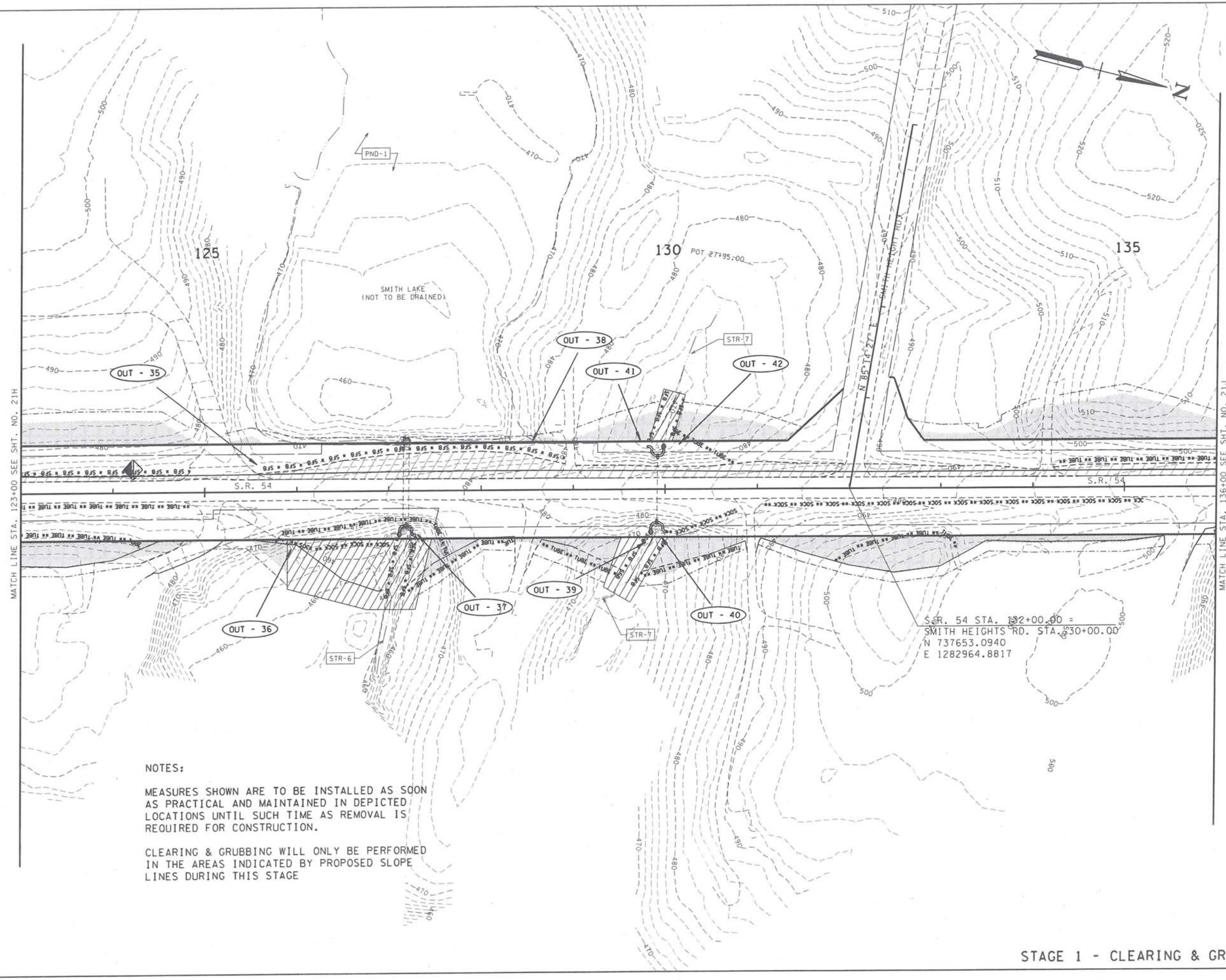
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21I
CONST.	2017	NH-54(26)	21I



NOTES:

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CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 123+00 TO STA. 136+00
SCALE: 1" = 50'

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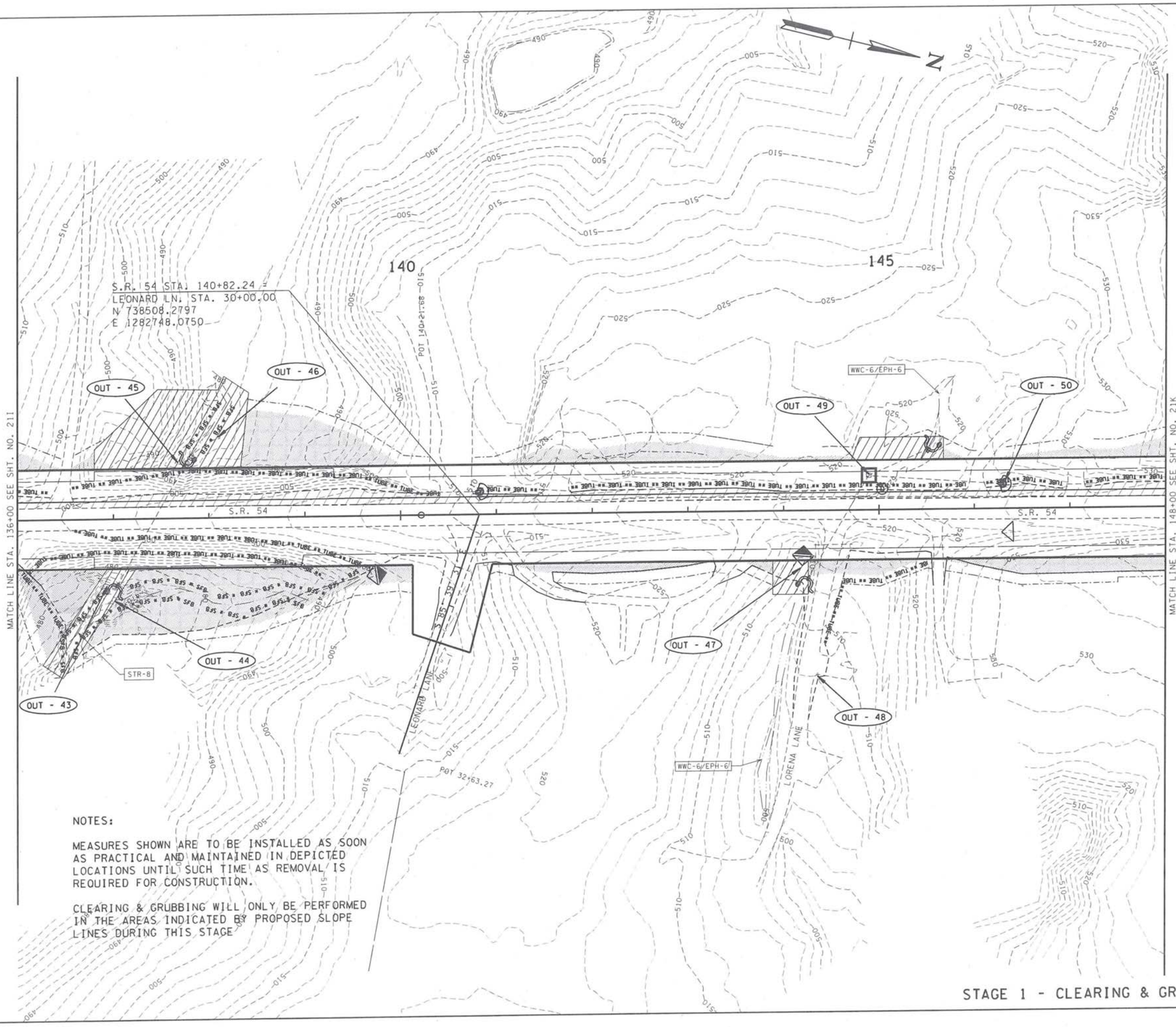
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21J
CONST.	2017	NH-54(26)	21J



NOTES:

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CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 136+00 TO STA. 148+00

SCALE: 1" = 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	21K
CONST.	2017	NH-54(26)	21K

S.R. 54 STA. 149+60.00 =
TANGLEWOOD LN. STA. 30+00.00
N 739358.1219
E 1282532.3696

S.R. 54 STA. 151+90.43 =
SMITH RD. STA. 30+00.00
N 739582.4830
E 1282475.7431

END PROJ. NO. NHE-54(26) R.O.W.
STA. 161+00.00
N 740464.1640
E 1282252.2195

END PROJ. NO. NH-54(26) CONST.
STA. 155+50.00
N = 739931.0301
E = 1282387.3795

150
155
160
SMITH LAKE
SMITH ROAD
POT 25+00.00
PND-2
WWC-17/EPH-17
OUT - 51
OUT - 52
OUT - 53
OUT - 54
OUT - 55
OUT - 56
STR-19
S.R. 54
N 14°13'33" W
SR/54 FUTURE
PC 30+33.43
PT 31+06.81
S 70°15'16" E
TANGLEWOOD LANE
PC 31+80.83
PT 32+95.11
POT 33+15.56
N 75°46'27" E
N 11°59'46" E
MATCH LINE STA. 148+00 SEE SHT. NO. 21J

TANGLEWOOD LN.
PI 30+71.21
N 739,376.6220
E 1,282,601.3990
Δ 33° 38' 16" (RT)
D 45° 50' 12"
R 125.00
L 73.39
T 37.78
SE NC

TANGLEWOOD LN.
PI 32+40.09
N 739,319.7680
E 1,282,762.7360
Δ 37° 24' 58" (LT)
D 32° 44' 26"
R 175.00
L 114.28
T 59.26

NOTES:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

CLEARING & GRUBBING WILL ONLY BE PERFORMED IN THE AREAS INDICATED BY PROPOSED SLOPE LINES DURING THIS STAGE

STAGE 1 - CLEARING & GRUBBING

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED LANDSCAPE ARCHITECT
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 148+00 TO END PROJECT
SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22
CONST.	2017	NH-54(26)	22

NOTE:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

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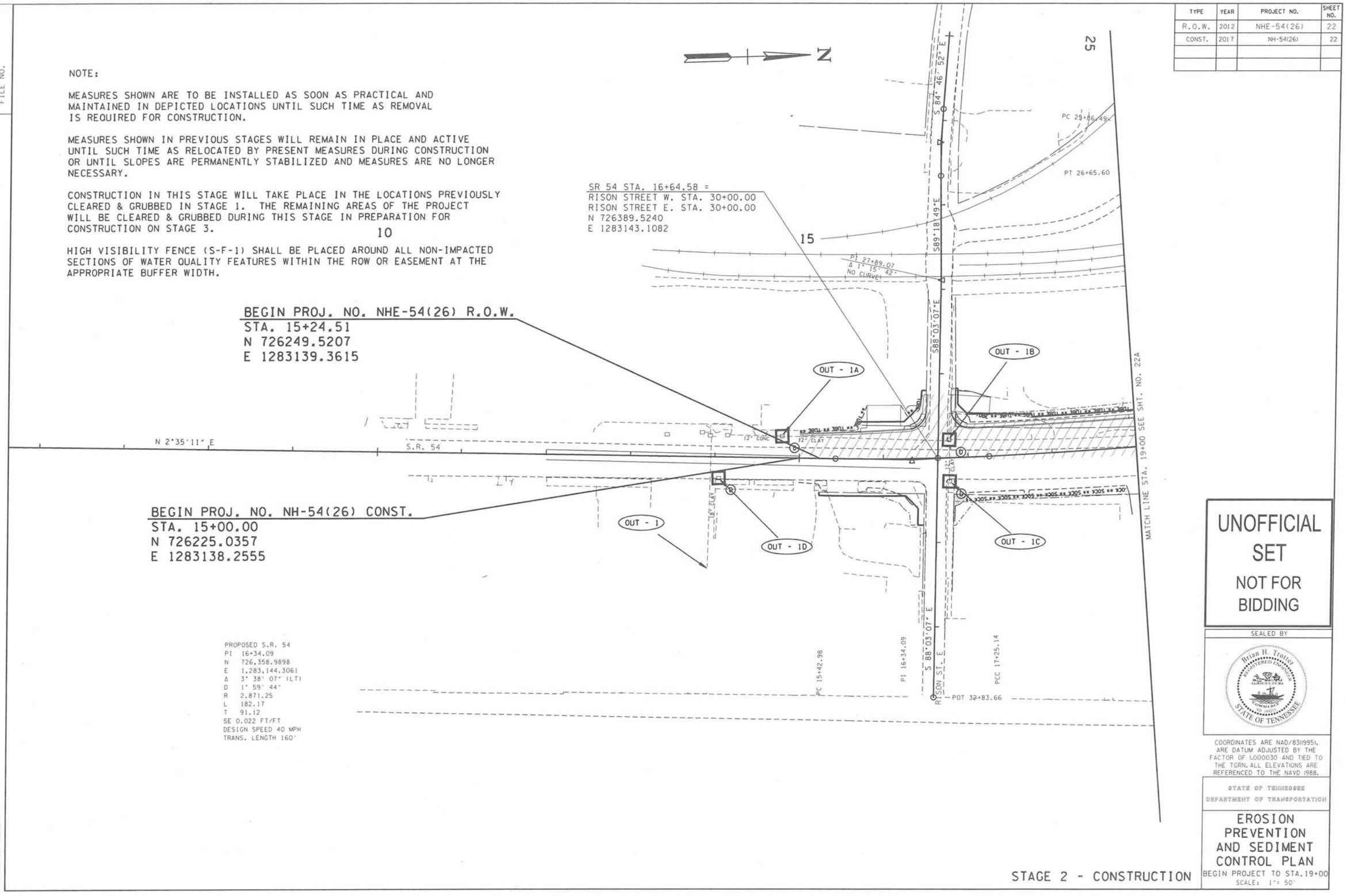
HIGH VISIBILITY FENCE (S-F-1) SHALL BE PLACED AROUND ALL NON-IMPACTED SECTIONS OF WATER QUALITY FEATURES WITHIN THE ROW OR EASEMENT AT THE APPROPRIATE BUFFER WIDTH.



10

15

25

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
BEGIN PROJECT TO STA. 19+00
SCALE: 1"= 50'

STAGE 2 - CONSTRUCTION

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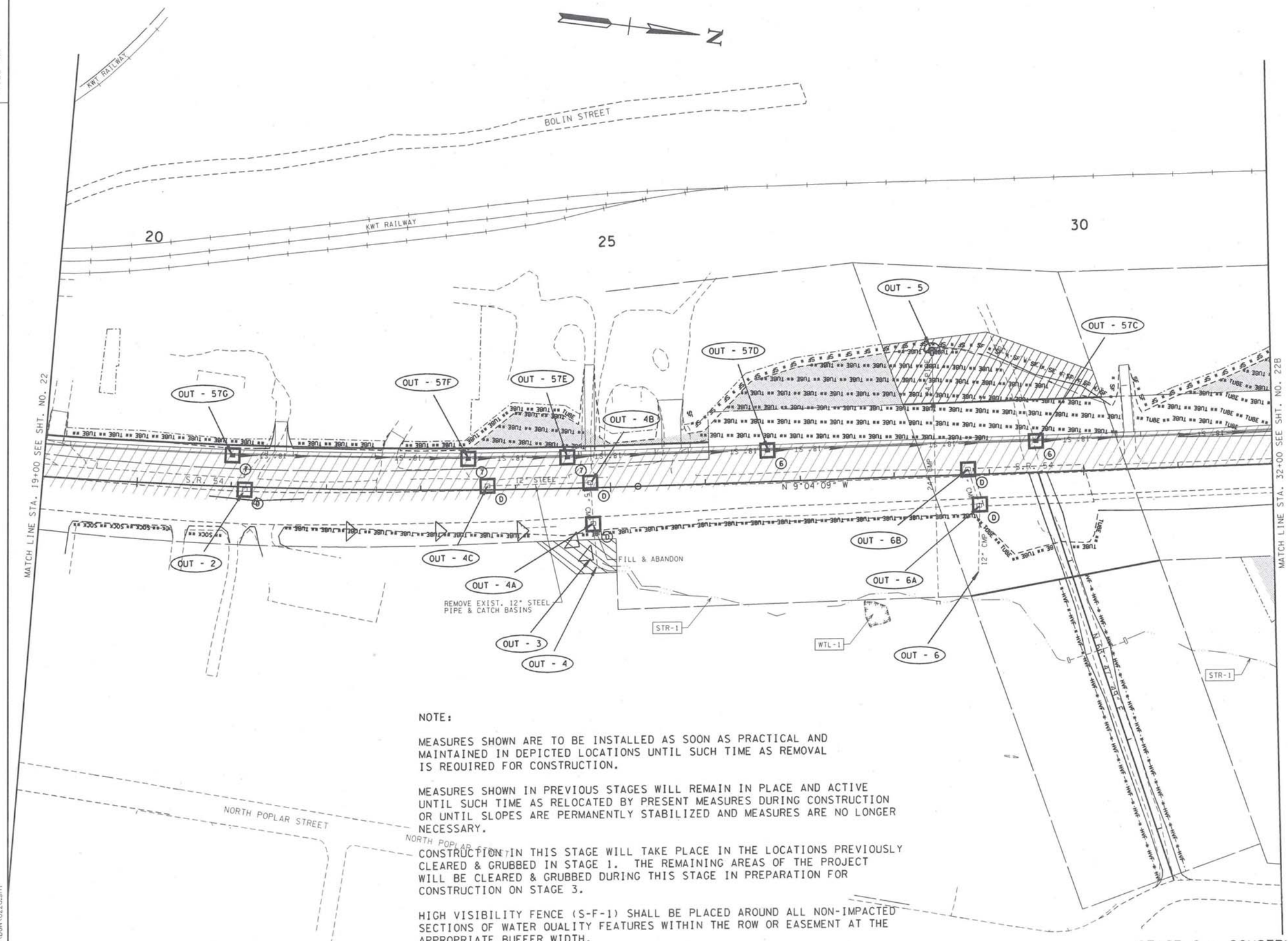
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22A
CONST.	2017	NH-54(26)	22A

REV 10-14-16: REMOVED SNK-1



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STAGE 2 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 19+00 TO STA. 32+00
SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22B
CONST.	2017	NH-54(26)	22B

N

SPROUL HEIGHTS RD.
PI 29+43.88
N 728,778.3190
E 1,282,851.8620
Δ 95° 01' 56" (LT)
D 81° 51' 04"
R 70.00
L 116.10
T 76.43
SE NC

PC 28+67.45

PI 39+00.66

POT 27+08.35

PT 44+09.20

OUT - 57B
OUT - 57A
OUT - 57
OUT - 58
OUT - 59
OUT - 59A
OUT - 60E
OUT - 60D
OUT - 9E
OUT - 60F
OUT - 60H
OUT - 60G
OUT - 9D
OUT - 9C
OUT - 9A
OUT - 9B
OUT - 9
OUT - 7A
OUT - 7B
OUT - 7
OUT - 60

PERM. IMPACT AREA
PERM. IMPACT AREA

WTL-2
WTL-3
WTL-4
STR-1
STR-2

4'X4'X1.5' CL. A-1 RIP-RAP AT SIDE DRAIN OUTLETS

5'X8'X2.5' CL. B RIP-RAP

CAP CATCH BASINS, FILL & ABANDON PIPES

COMPLETE 30" STORM SEWER PIPES, PARTIALLY CONSTRUCT & CAP CATCH BASINS & CONSTRUCT EMBANKMENT AS REQUIRED FOR PROPER INSTALLATION OF DRAINAGE STRUCTURES

S.R. 54 STA. 40+55.00 =
SPROUL HEIGHTS RD. STA. 30+00.00
N 728762.5531
E 1282943.3947

PROPOSED S.R. 54
PI 39+00.66
N 728,604.6760
E 1,282,855.5994
Δ 28° 34' 37" (RT)
D 2° 45' 00"
R 2,083.48
L 1,039.16
T 530.63
SE 0.026 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 175'

S 14° 48' 19" W

SPROUL HEIGHTS RD.

RET. WALL #2 W/CONC. DITCH

S.R. 54

12" CMP

18" CMP

30" ST

MATCH LINE STA. 32+00 SEE SHT. NO. 22A

MATCH LINE STA. 45+00 SEE SHT. NO. 22C

NOTE:

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STAGE 2 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 32+00 TO STA. 45+00
SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22C
CONST.	2017	NH-54(26)	22C

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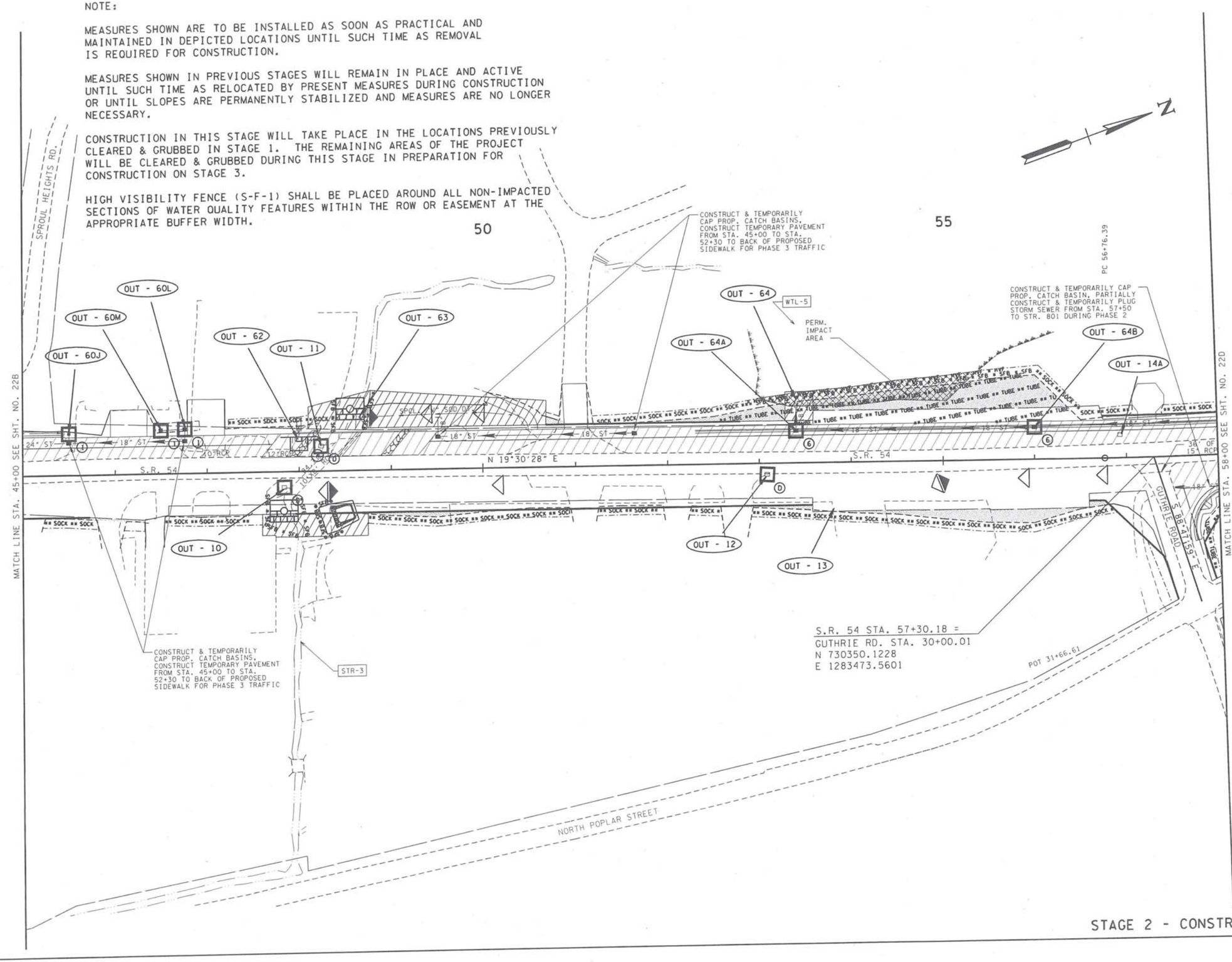

STAGE 2 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 45+00 TO STA. 58+00
SCALE: 1"= 50'

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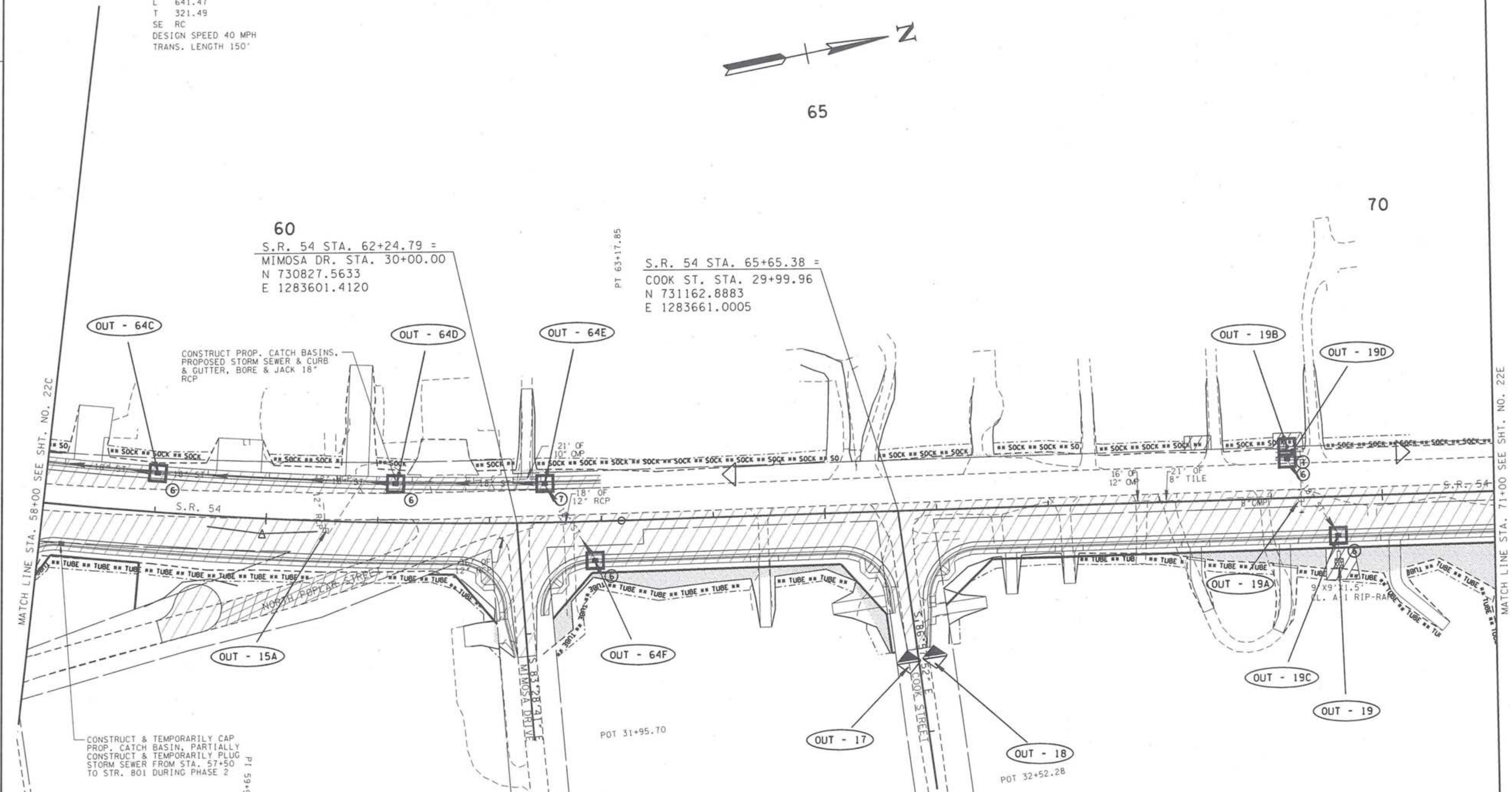
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22D
CONST.	2017	NH-54(26)	22D

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

PROPOSED S.R. 54
PI 59+97.88
N 730,602.3236
E 1,283,563.3097
Δ 9° 37' 19" (LT)
D 1° 30' 00"
R 3,819.72
L 641.47
T 321.49
SE RC
DESIGN SPEED 40 MPH
TRANS. LENGTH 150'



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STAGE 2 - CONSTRUCTION

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UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter — Registered Engineer — State of Tennessee

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

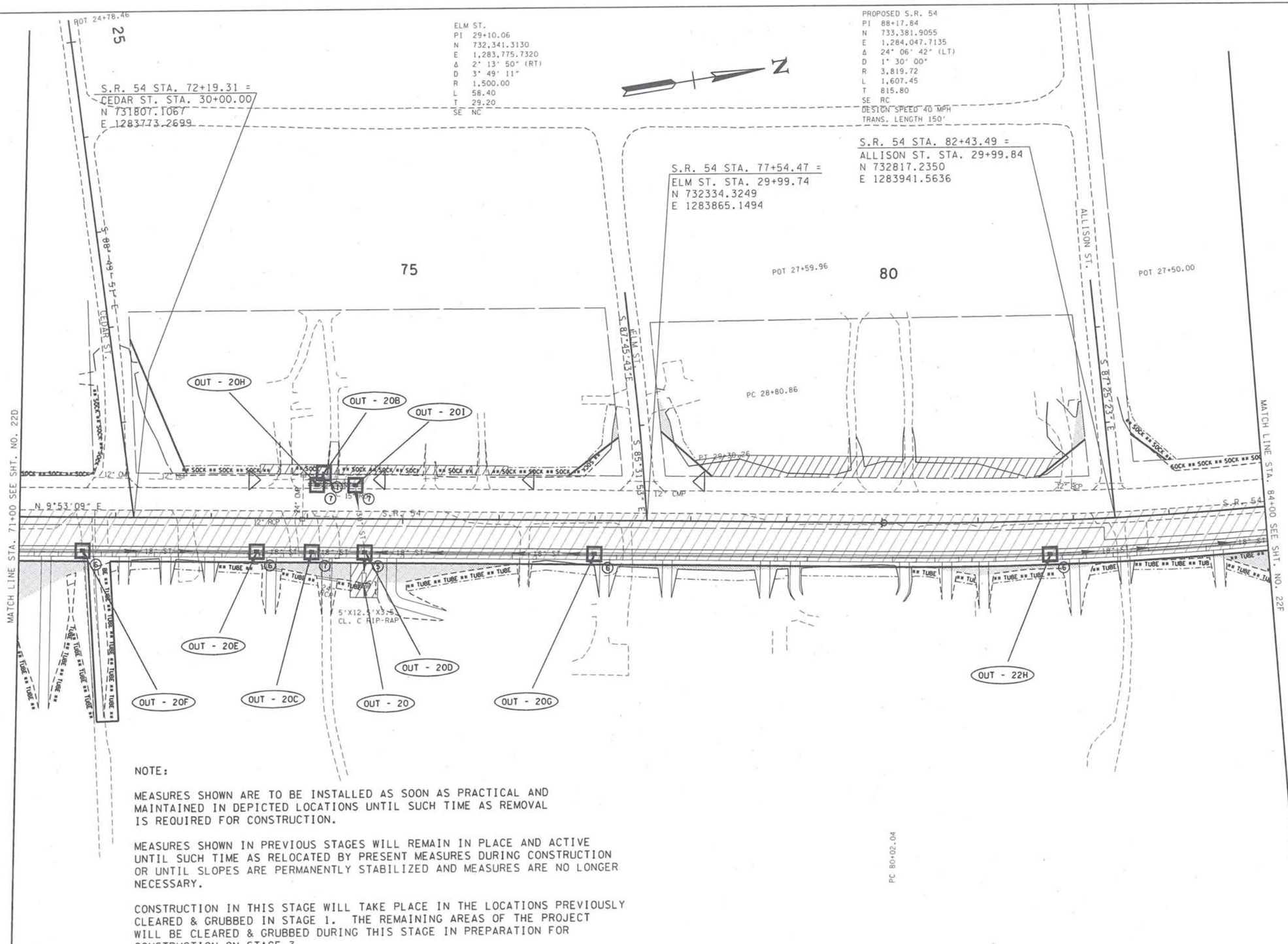
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 58+00 TO STA. 71+00
SCALE: 1"= 50'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22E
CONST.	2017	NH-54(26)	22E



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STAGE 2 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 71+00 TO STA. 84+00
SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22F
CONST.	2017	NH-54(26)	22F

N

S.R. 54 STA. 87+86.29 =
B.R. SMITH RD. STA. 30+00.04
N 733359.1828
E 1283962.3173

POT 26+00.00

PROPOSED S.R. 54
PI 88+17.84
N 733,381.9055
E 1,284,047.7135
Δ 24° 06' 42" (LT)
D 1° 30' 00"
R 3,819.72
L 1,607.45
T 815.80
SE RC
DESIGN SPEED 40 MPH
TRANS. LENGTH 150'

PI 88+17.84

S 86°44'15" E
B.R. SMITH RD

85

90

95

CONSTRUCT NEW STORM SEWER SYSTEM, JACK 30" RCP & CONNECT TO EXIST. SYSTEM. UPON COMPLETION OF PROP. DRAINAGE, FILL & ABANDON EXIST. 24" CMP & REMOVE SIDE DRAIN

S.R. 54 STA. 91+75.00 =
OLD PARIS-MURRAY HWY. STA. 30+00.00
N 733746.3650
E 1283929.8504

PT 96+09.49

OUT - 25A
OUT - 25B
OUT - 25C
OUT - 25D
OUT - 22E
OUT - 22B
OUT - 22D
OUT - 22A
OUT - 22C
OUT - 22G
OUT - 22I
OUT - 22F
OUT - 22
OUT - 24
OUT - 25
OUT - 23

MATCH LINE STA. 84+00 SEE SHT. NO. 22E

MATCH LINE STA. 97+00 SEE SHT. NO. 22G

S.R. 54

18" CMP
15" CMP
15" 41' OF CMP 15" CMP
30" CMP
12" CMP
24" CMP

SOCK ** SOCK ** SOCK

TUBE ** TUBE ** TUBE

5'X12.5'X3.5' CL. C RIP-RAP

WWC-1/EPH-1

WWC-2/EPH-2

PC 30+41.71

PT 31+49.49

POT 32+76.54

N 20°32'14" E

OLD PARIS-MURRAY HWY

OLD PARIS-MURRAY HWY.
PI 31+01.50
N 733,759.9800
E 1,284,030.4370
Δ 61° 45' 15" (LT)
D 57° 17' 45"
R 100.00
L 107.78
T 59.78
SE NC

NOTE:

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STAGE 2 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 84+00 TO STA. 97+00
SCALE: 1"= 50'

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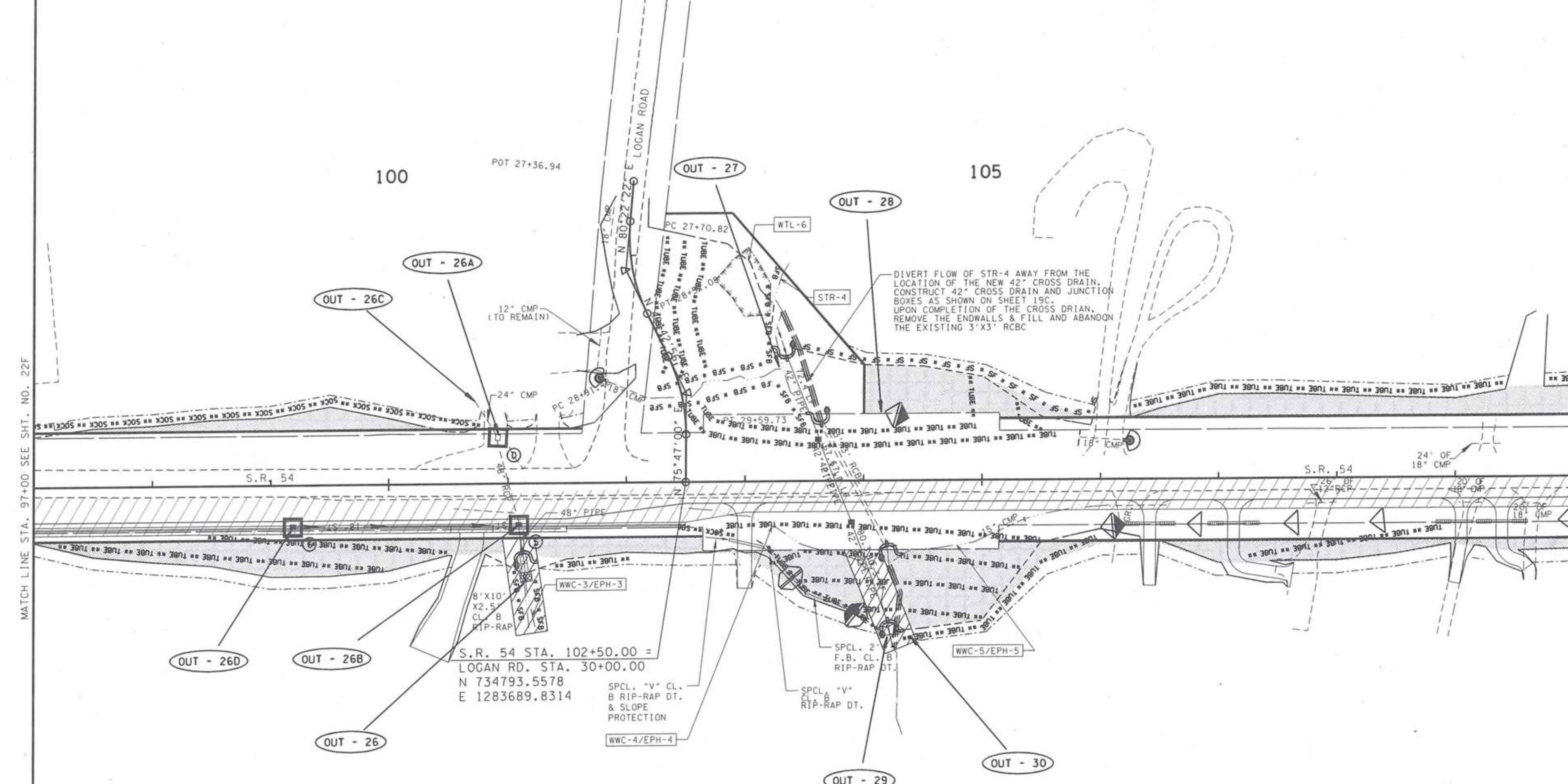
TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22G
CONST.	2017	NH-54(26)	22G

LOGAN RD.		LOGAN RD.	
PI	28+11.94	PI	29+26.21
N	734,699.9820	N	734,775.1390
E	1,283,528.4580	E	1,283,617.1290
Δ	30° 39' 25" (LT)	Δ	26° 04' 05" (RT)
D	38° 11' 50"	D	38° 11' 50"
R	150.00	R	150.00
L	80.26	L	68.25
T	41.12	T	34.72
SE	NC	SE	NC



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UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STAGE 2 - CONSTRUCTION

STA. 97+00 TO STA. 110+00
SCALE: 1"= 50'

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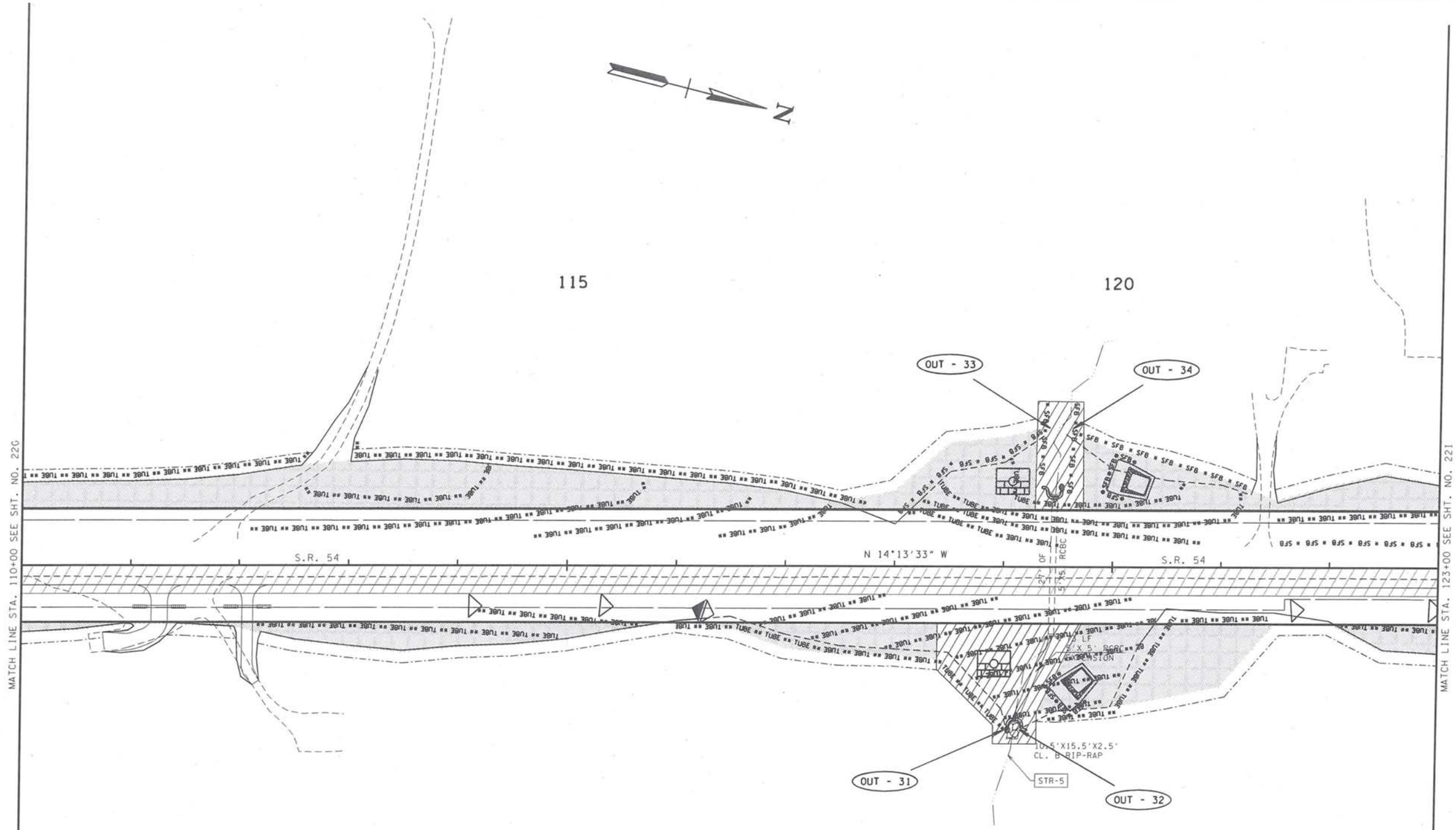
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22H
CONST.	2017	NH-54(26)	22H



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STAGE 2 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE COMMERCE
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 110+00 TO STA. 123+00
SCALE: 1"= 50'

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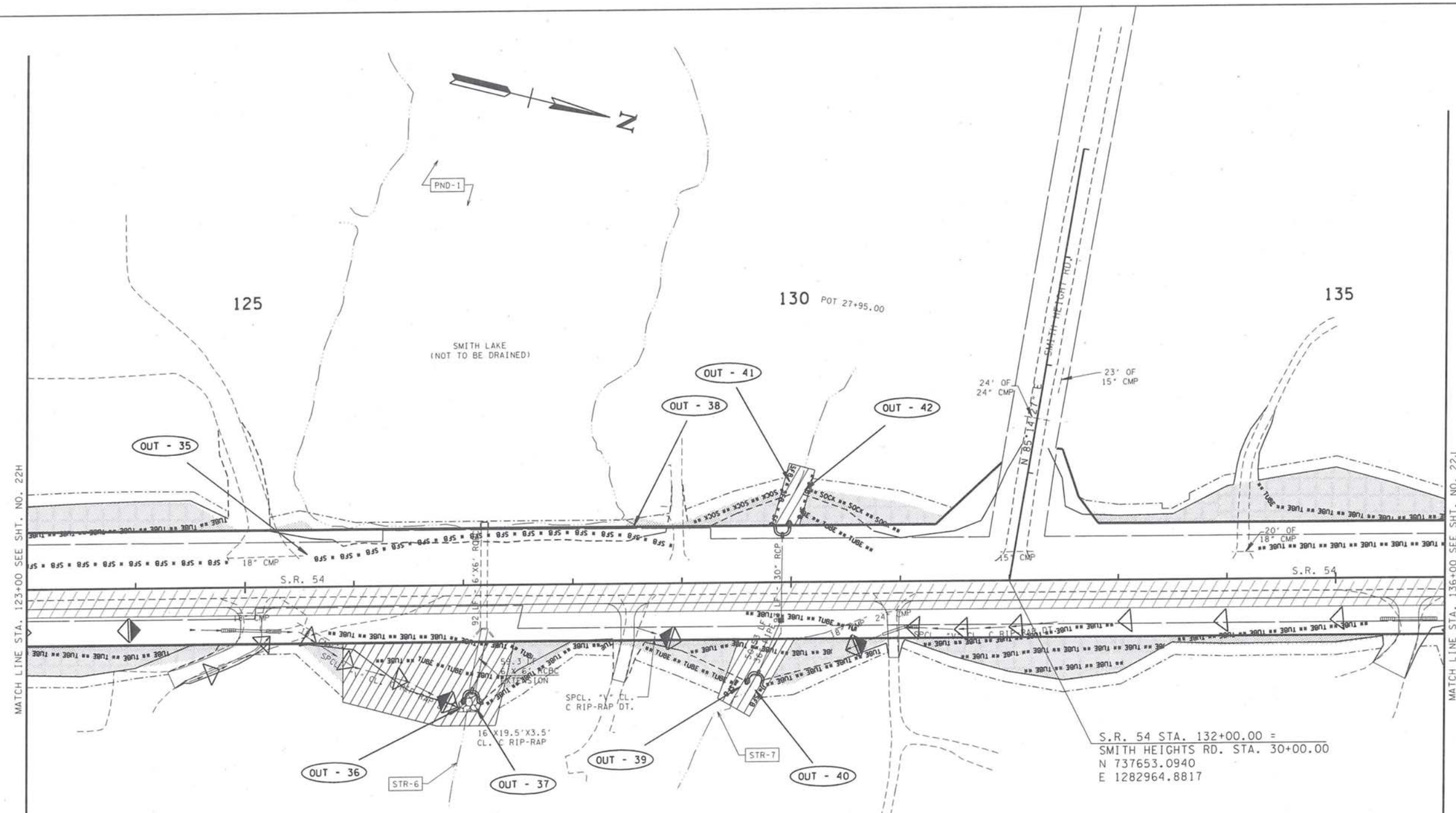
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	221
CONST.	2017	NH-54(26)	221



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CONSTRUCTION IN THIS STAGE WILL TAKE PLACE IN THE LOCATIONS PREVIOUSLY CLEARED & GRUBBED IN STAGE 1. THE REMAINING AREAS OF THE PROJECT WILL BE CLEARED & GRUBBED DURING THIS STAGE IN PREPARATION FOR CONSTRUCTION ON STAGE 3.

HIGH VISIBILITY FENCE (S-F-1) SHALL BE PLACED AROUND ALL NON-IMPACTED SECTIONS OF WATER QUALITY FEATURES WITHIN THE ROW OR EASEMENT AT THE APPROPRIATE BUFFER WIDTH.

STAGE 2 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 123+00 TO STA. 136+00
SCALE: 1" = 50'

6/1/2017 9:08:13 AM
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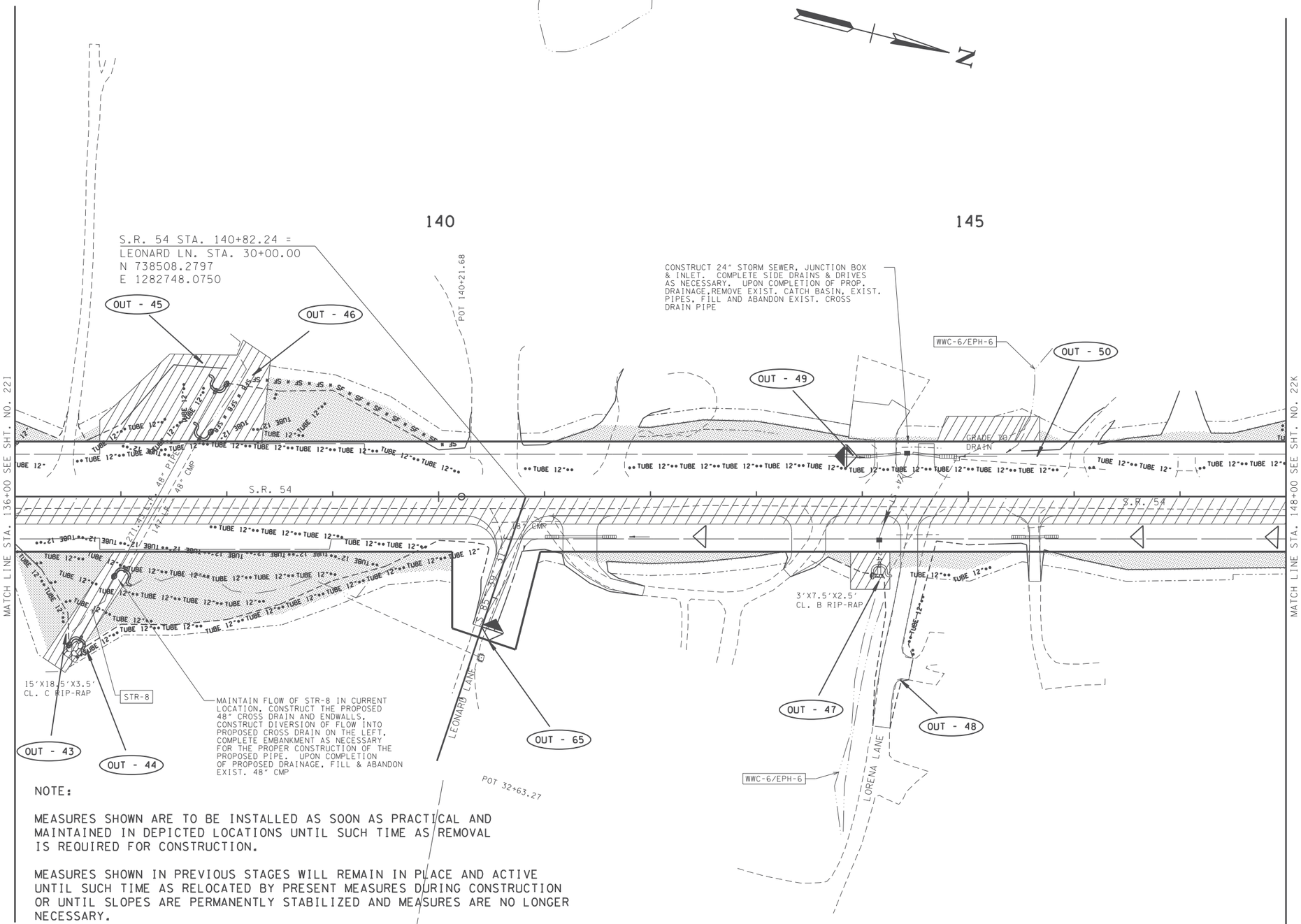
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22J
CONST.	2017	NH-54(26)	22J

REV. 06-28-17: ADDED OUTFALL OUT-47.



NOTE:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

MEASURES SHOWN IN PREVIOUS STAGES WILL REMAIN IN PLACE AND ACTIVE UNTIL SUCH TIME AS RELOCATED BY PRESENT MEASURES DURING CONSTRUCTION OR UNTIL SLOPES ARE PERMANENTLY STABILIZED AND MEASURES ARE NO LONGER NECESSARY.

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HIGH VISIBILITY FENCE (S-F-1) SHALL BE PLACED AROUND ALL NON-IMPACTED SECTIONS OF WATER QUALITY FEATURES WITHIN THE ROW OR EASEMENT AT THE APPROPRIATE BUFFER WIDTH.

STAGE 2 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
DEPARTMENT OF AGRICULTURE
DEPARTMENT OF COMMERCE
No. 108119
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 136+00 TO STA. 148+00
SCALE: 1"= 50'

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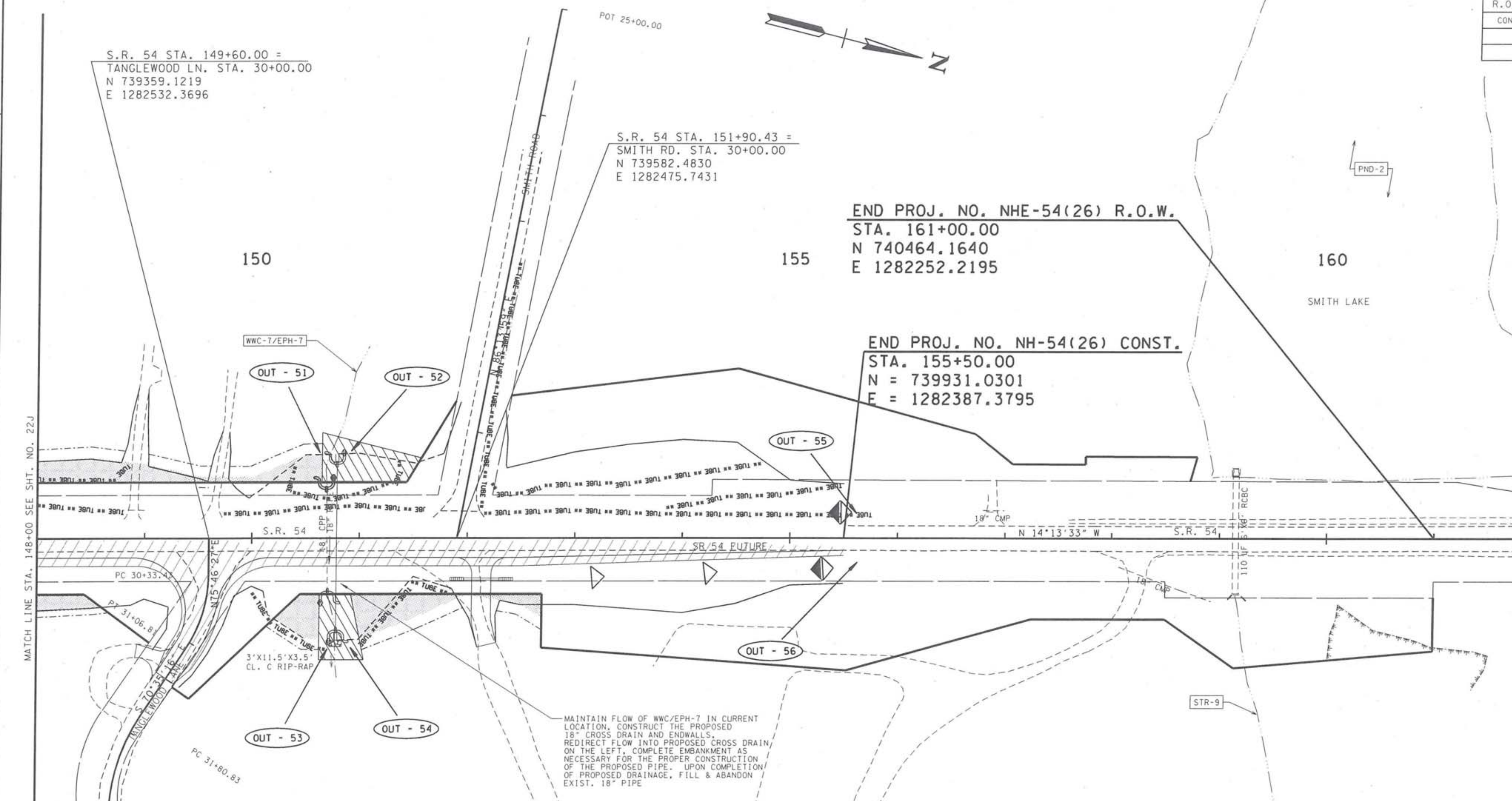
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	22K
CONST.	2017	NH-54(26)	22K



UNOFFICIAL SET NOT FOR BIDDING

TANGLEWOOD LN.	
PI	30+71.21
N	739,376.6220
E	1,282,601.3990
Δ	33° 38' 16" (RT)
D	45° 50' 12"
R	125.00
L	73.39
T	37.78
SE	NC

TANGLEWOOD LN.	
PI	32+40.09
N	739,319.7680
E	1,282,762.7360
Δ	37° 24' 58" (LT)
D	32° 44' 26"
R	175.00
L	114.28
T	59.26

NOTE:

MEASURES SHOWN ARE TO BE INSTALLED AS SOON AS PRACTICAL AND MAINTAINED IN DEPICTED LOCATIONS UNTIL SUCH TIME AS REMOVAL IS REQUIRED FOR CONSTRUCTION.

MEASURES SHOWN IN PREVIOUS STAGES WILL REMAIN IN PLACE AND ACTIVE UNTIL SUCH TIME AS RELOCATED BY PRESENT MEASURES DURING CONSTRUCTION OR UNTIL SLOPES ARE PERMANENTLY STABILIZED AND MEASURES ARE NO LONGER NECESSARY.

CONSTRUCTION IN THIS STAGE WILL TAKE PLACE IN THE LOCATIONS PREVIOUSLY CLEARED & GRUBBED IN STAGE 1. THE REMAINING AREAS OF THE PROJECT WILL BE CLEARED & GRUBBED DURING THIS STAGE IN PREPARATION FOR CONSTRUCTION ON STAGE 3.

HIGH VISIBILITY FENCE (S-F-1) SHALL BE PLACED AROUND ALL NON-IMPACTED SECTIONS OF WATER QUALITY FEATURES WITHIN THE ROW OR EASEMENT AT THE APPROPRIATE BUFFER WIDTH.

STAGE 2 - CONSTRUCTION

SEALED BY

Brian H. Trotter
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 148+00 TO END PROJECT
SCALE: 1"= 50'

6/1/2017 9:08:05 AM
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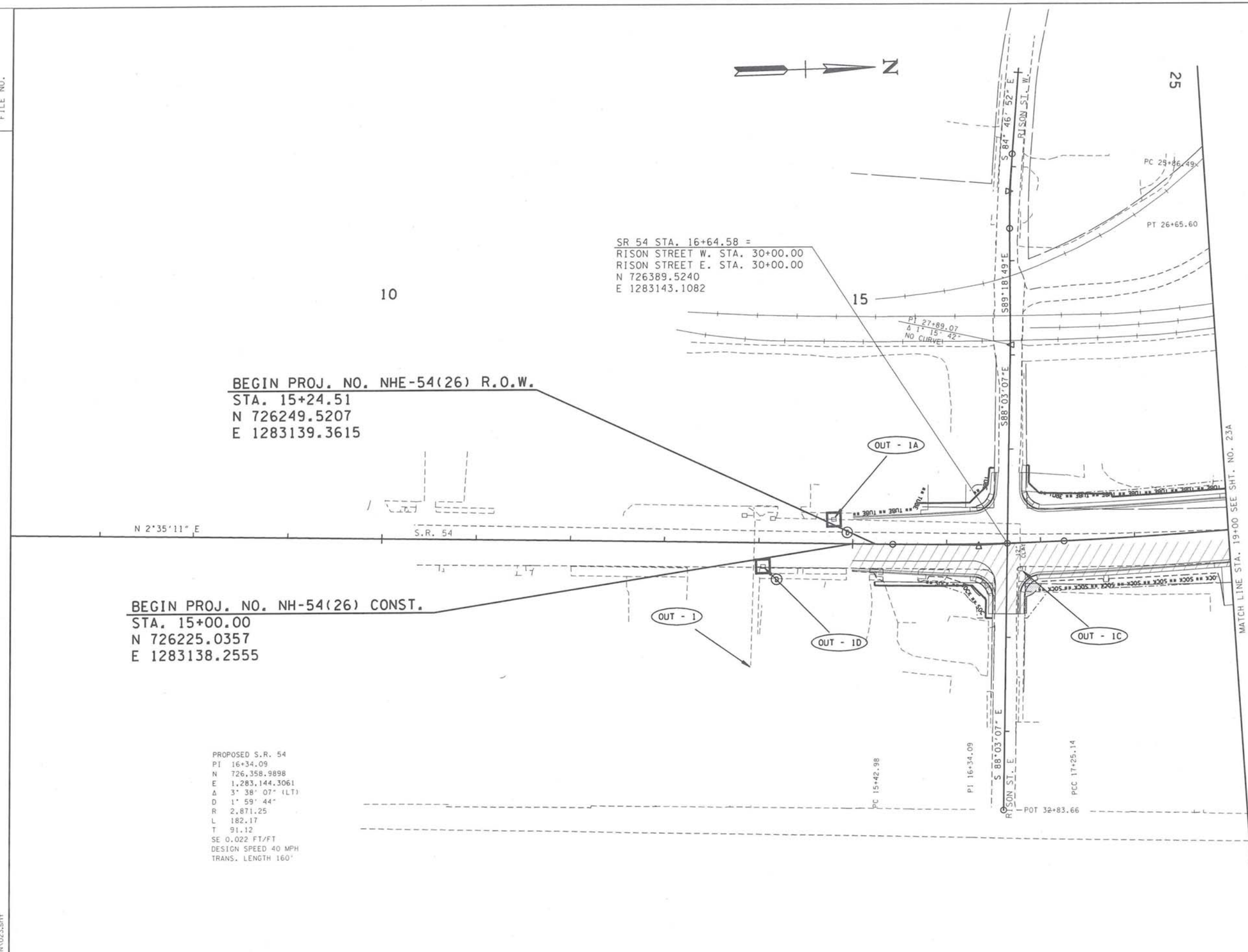
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23
CONST.	2017	NH-54(26)	23



STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

BEGIN PROJECT TO STA.19+00
SCALE: 1"= 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23A
CONST.	2017	NH-54(26)	23A

REV 10-14-16: REMOVED SNK-1

PROPOSED S.R. 54
PI 21+27.71
N 726,852.5922
E 1,283,135.2688
Δ 8° 01' 13" (LT)
D 0° 59' 52"
R 5,742.50
L 803.83
T 402.57
SE RC
DESIGN SPEED 40 MPH
TRANS. LENGTH 150'

KWT RAILWAY
BOLIN STREET
KWT RAILWAY
20
25
30
PT 25+28.97
S.R. 54
N 9°04'09" W
MATCH LINE STA. 19+00 SEE SHT. NO. 23
MATCH LINE STA. 32+00 SEE SHT. NO. 23B
PI 21+27.71
POT 4+57.27
N 68° 47' 49" E
NORTH POPLAR STREET
3'X7.5'X2.5' CL. B RIP-RAP
STR-1
WTL-1
OUT - 3
OUT - 4A
OUT - 4
OUT - 57G
OUT - 57F
OUT - 57E
OUT - 57D
OUT - 66D
OUT - 6A
OUT - 6
OUT - 5
OUT - 57C
OUT - 66C
OUT - 66B

STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trolio
REGISTERED ENGINEER
AGRICULTURE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 19+00 TO STA. 32+00
SCALE: 1" = 50'

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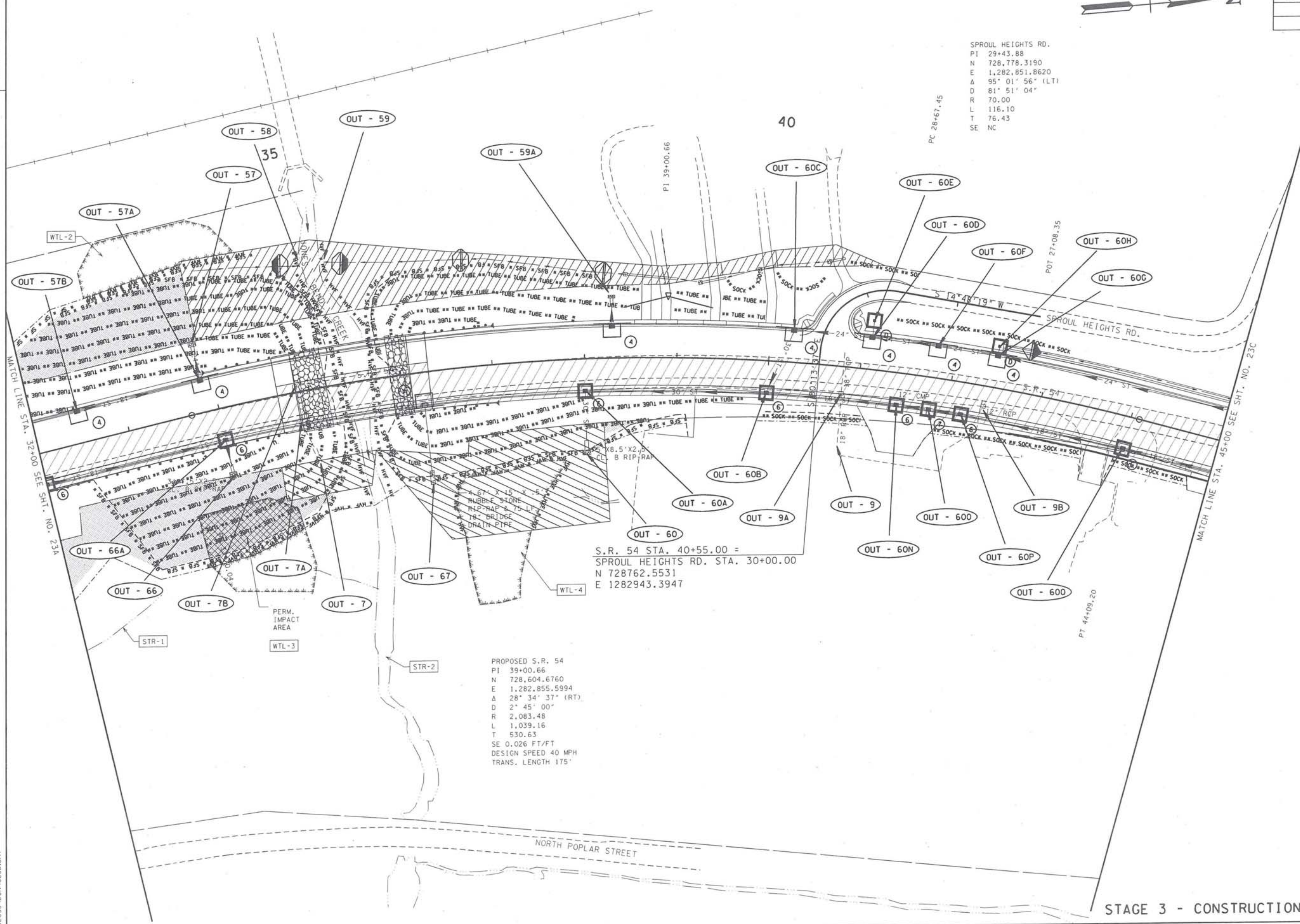
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23B
CONST.	2017	NH-54(26)	23B

TENNESSEE D.O.T.
DESIGN DIVISION

FILE NO.



STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 32+00 TO STA. 45+00
SCALE: 1"= 50'

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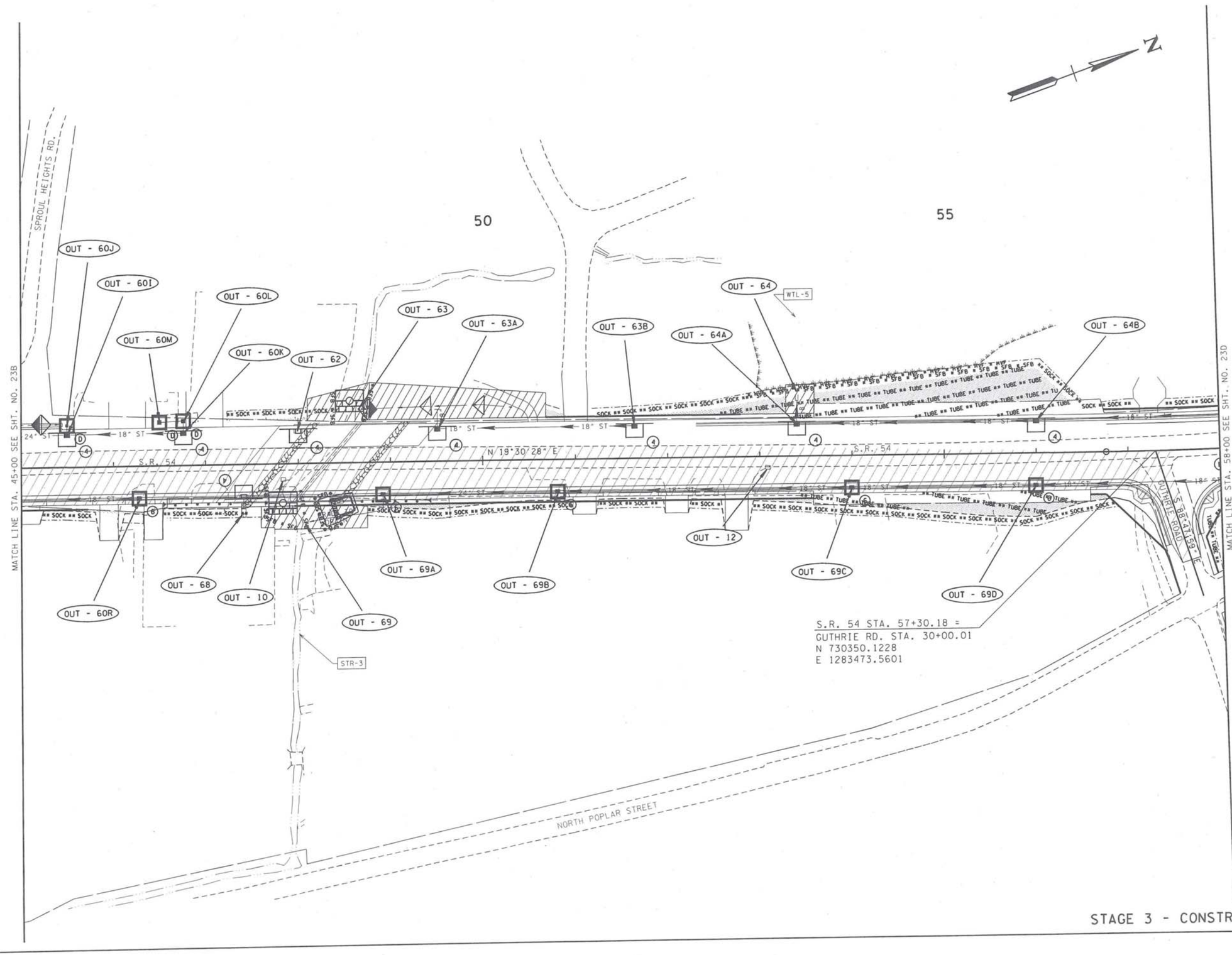
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23C
CONST.	2017	NH-54(26)	23C



STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 45+00 TO STA. 58+00
SCALE: 1"= 50'

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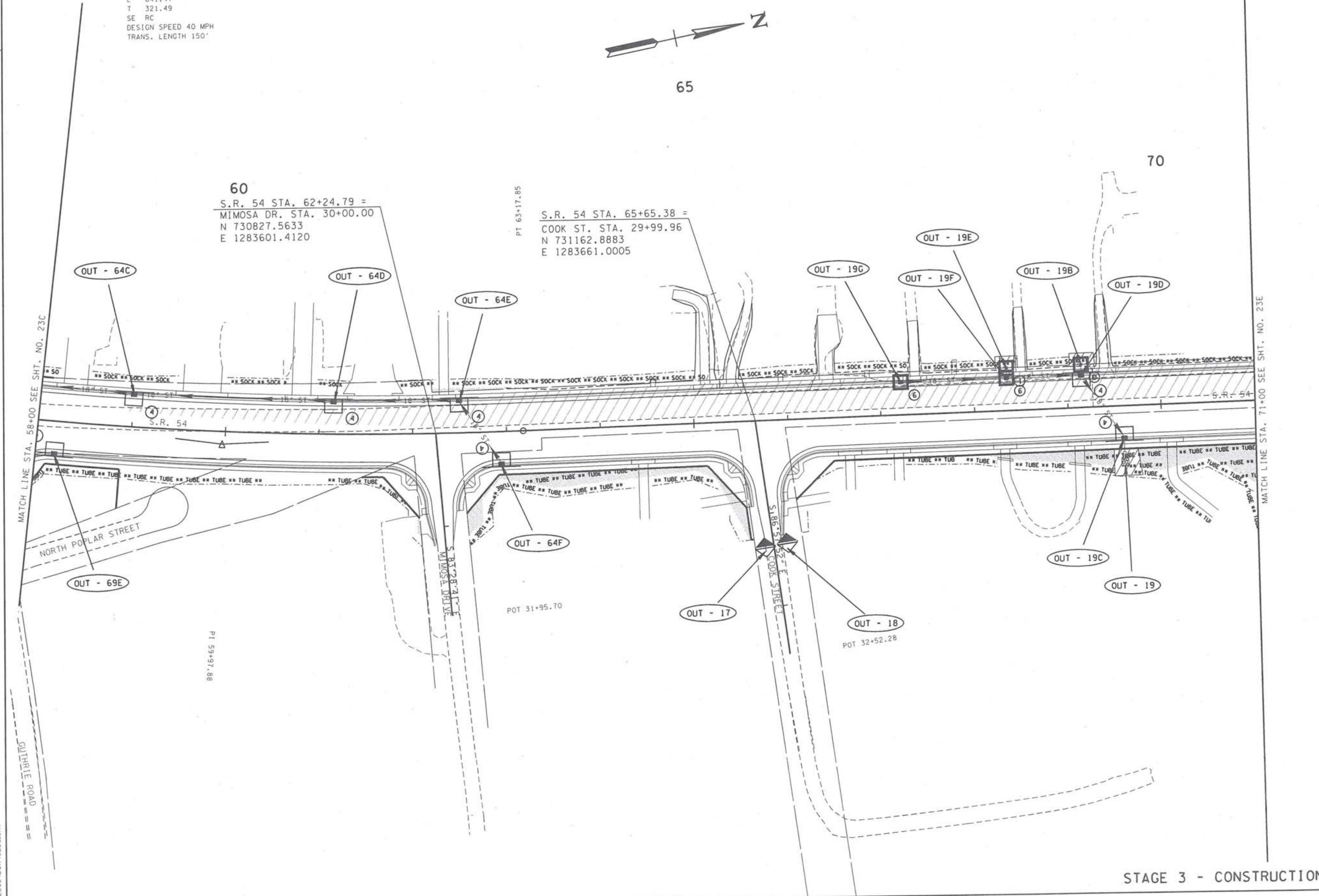
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23D
CONST.	2017	NH-54(26)	23D

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

PROPOSED S.R. 54
PI 59+97.88
N 730,602.3236
E 1,283,563.3097
Δ 9° 37' 19" (LT)
D 1° 30' 00"
R 3,819.72
L 641.47
T 321.49
SE RC
DESIGN SPEED 40 MPH
TRANS. LENGTH 150'



STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter — Registered Engineer — State of Tennessee

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 58+00 TO STA. 71+00
SCALE: 1" = 50'

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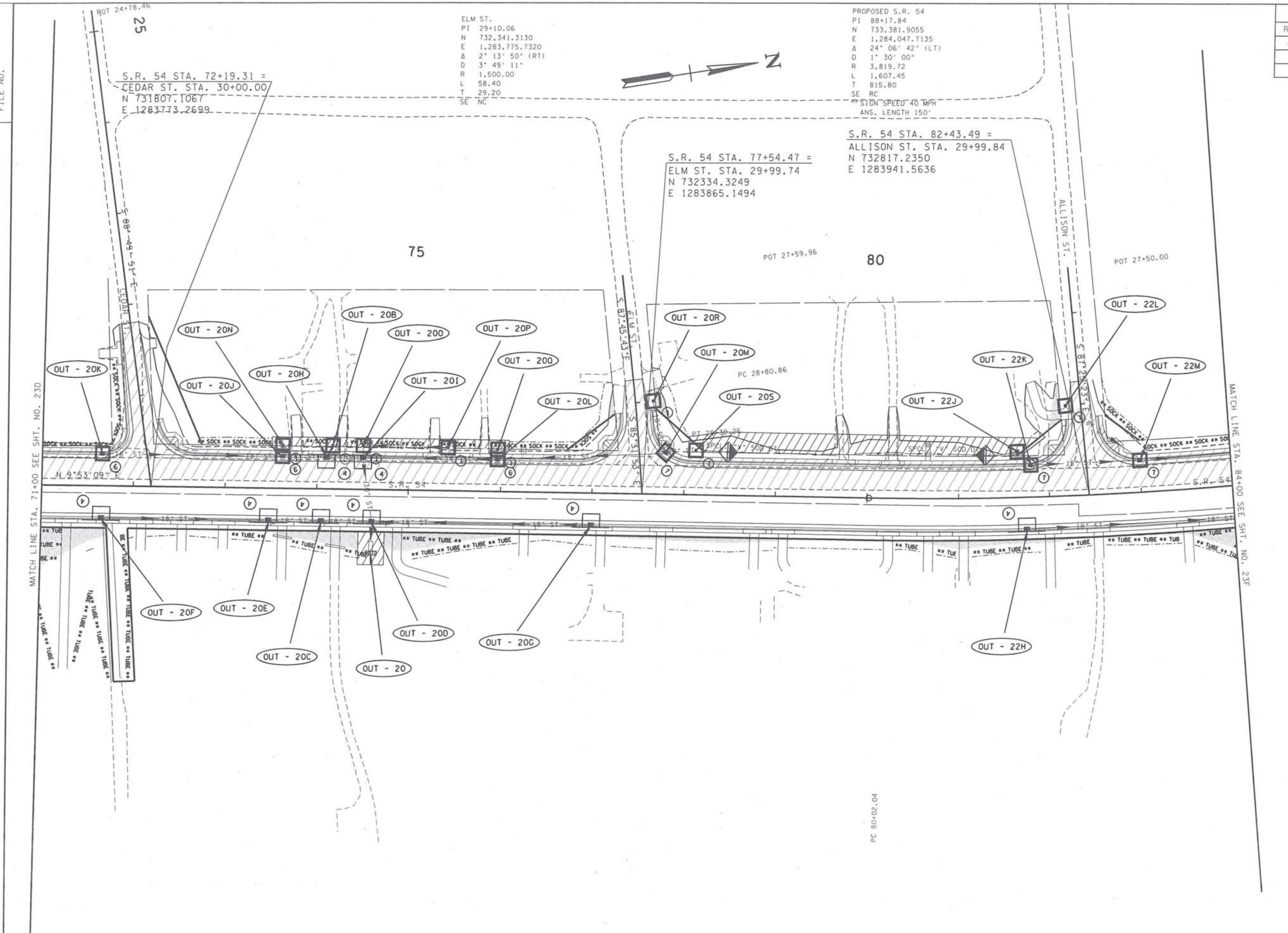
TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23E
CONST.	2017	NH-54(26)	23E



STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

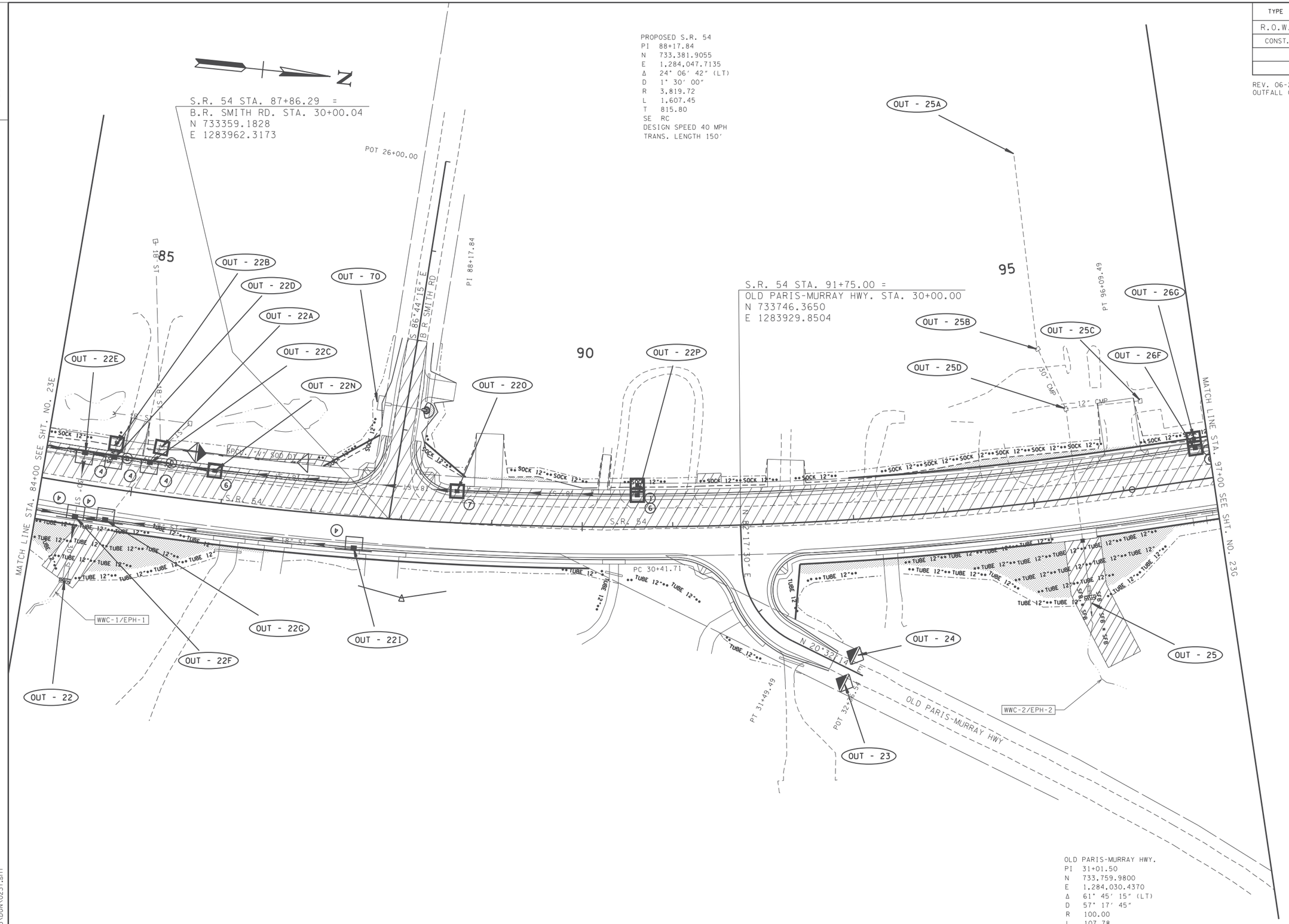
EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 71+00 TO STA. 84+00
SCALE: 1"= 50'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23F
CONST.	2017	NH-54(26)	23F

REV. 06-28-17: REMOVED EXTRA LABEL FOR OUTFALL OUT-220 AT OUTFALL OUT-22P.



STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 84+00 TO STA. 97+00
SCALE: 1"= 50'

6/28/2017 12:45:01 PM
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23G
CONST.	2017	NH-54(26)	23G

LOGAN RD.
PI 28+11.94
N 734,699.9820
E 1,283,528.4580
Δ 30° 39' 25" (LT)
D 38° 11' 50"
R 150.00
L 80.26
T 41.12
SE NC

LOGAN RD.
PI 29+26.21
N 734,775.1390
E 1,283,617.1290
Δ 26° 04' 05" (RT)
D 38° 11' 50"
R 150.00
L 68.25
T 34.72
SE NC

N

100

105

POT 27+36.94

LOGAN ROAD

N 80°22'27" E

PC 27+70.82

OUT - 27

OUT - 28

OUT - 27B

OUT - 27A

OUT - 26C

OUT - 27C

OUT - 26A

OUT - 26E

STR-4

S.R. 54

S.R. 54

N 75°47'00" E

MATCH LINE STA. 97+00 SEE SHT. NO. 23F

MATCH LINE STA. 110+00 SEE SHT. NO. 23H

WWC-3/EPH-3

OUT - 26D

OUT - 26B

OUT - 26

OUT - 29

OUT - 30

S.R. 54 STA. 102+50.00 =
LOGAN RD. STA. 30+00.00
N 734793.5578
E 1283689.8314

STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 97+00 TO STA. 110+00
SCALE: 1"= 50'

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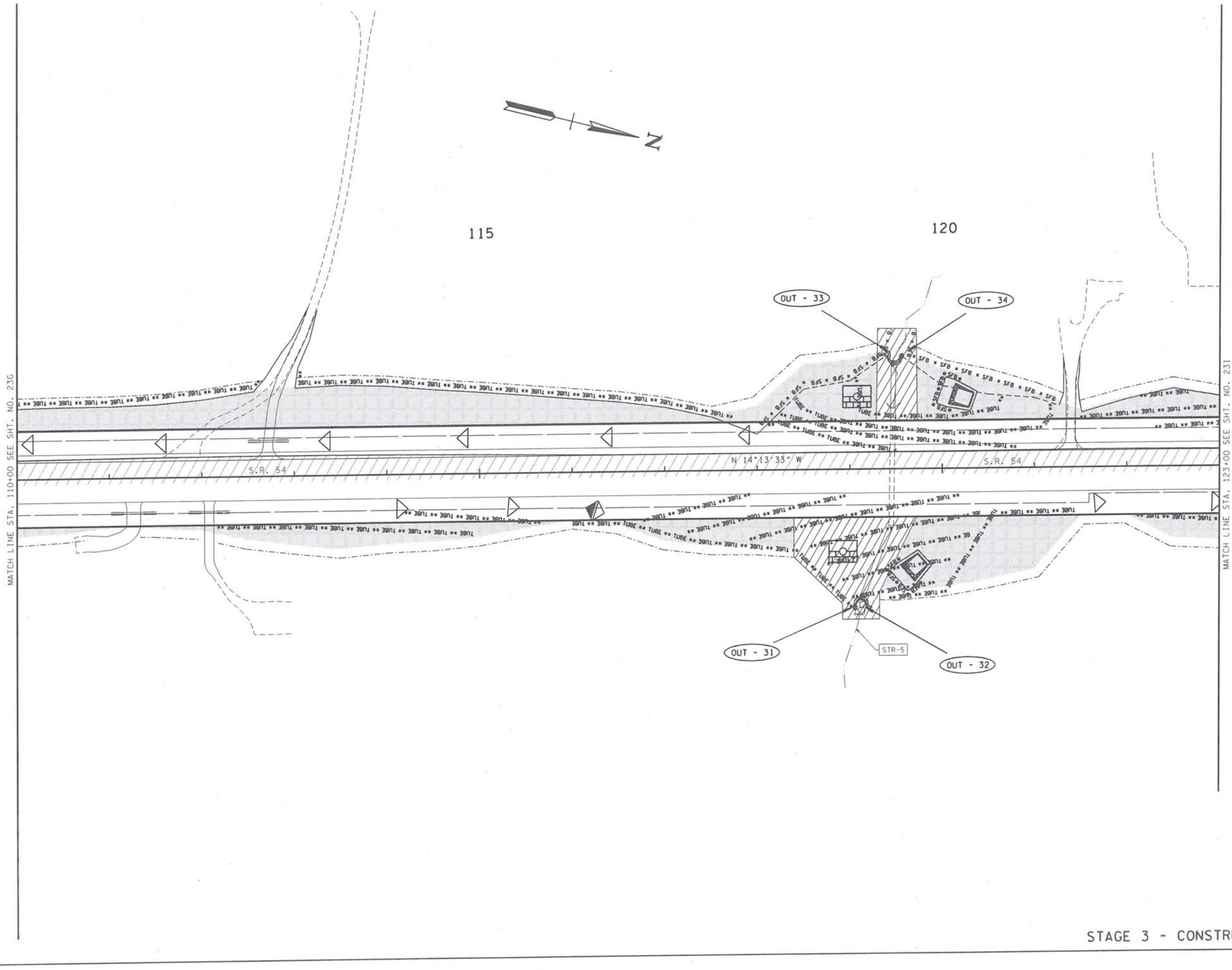
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23H
CONST.	2017	NH-54(26)	23H



STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE AND INSURANCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 110+00 TO STA. 123+00
SCALE: 1"= 50'

6/1/2017 9:08:21 AM
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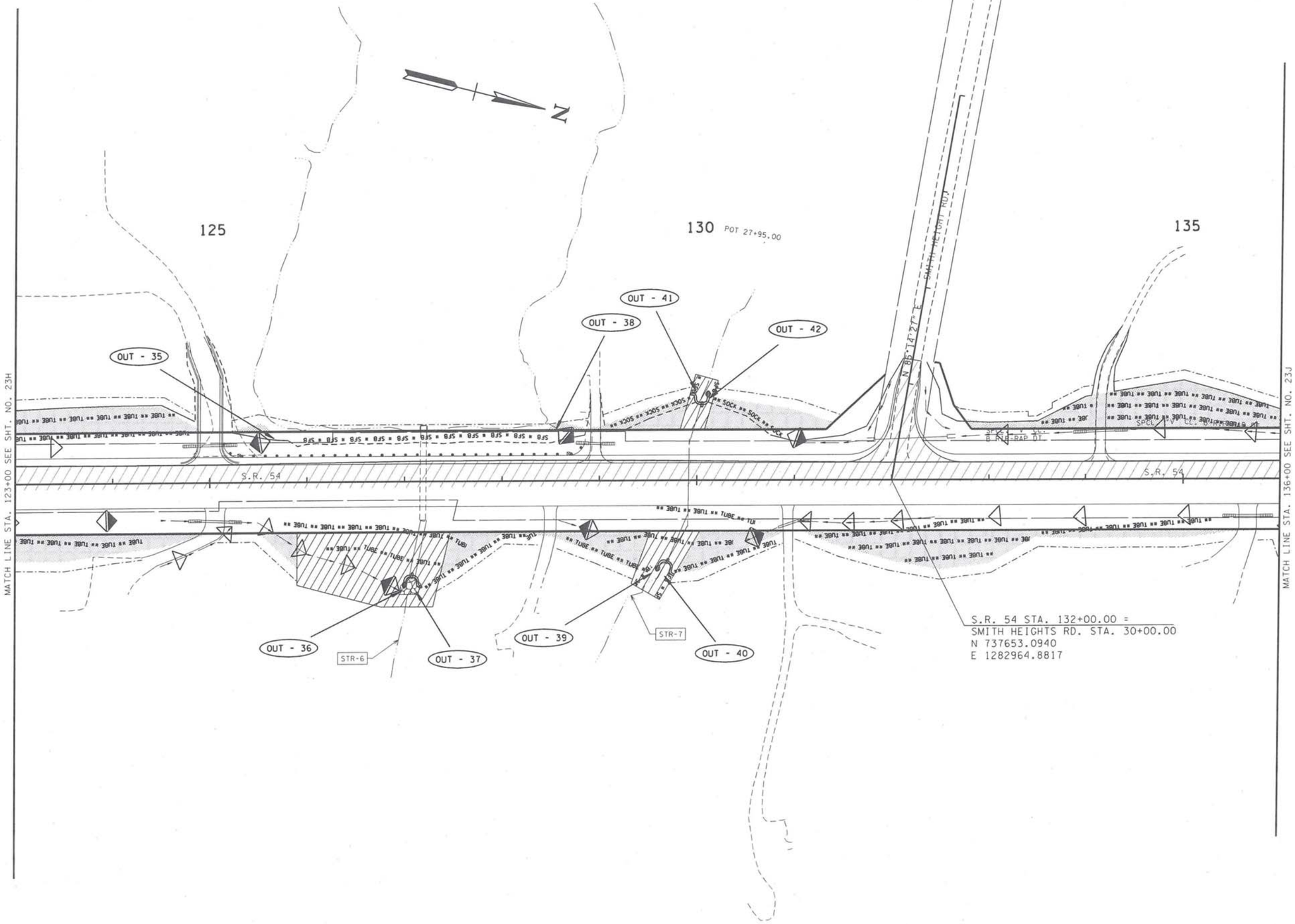
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23I
CONST.	2017	NH-54(26)	23I



UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE
TOMORROW
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 123+00 TO STA. 136+00
SCALE: 1"= 50'

STAGE 3 - CONSTRUCTION

6/1/2017 9:08:22 AM
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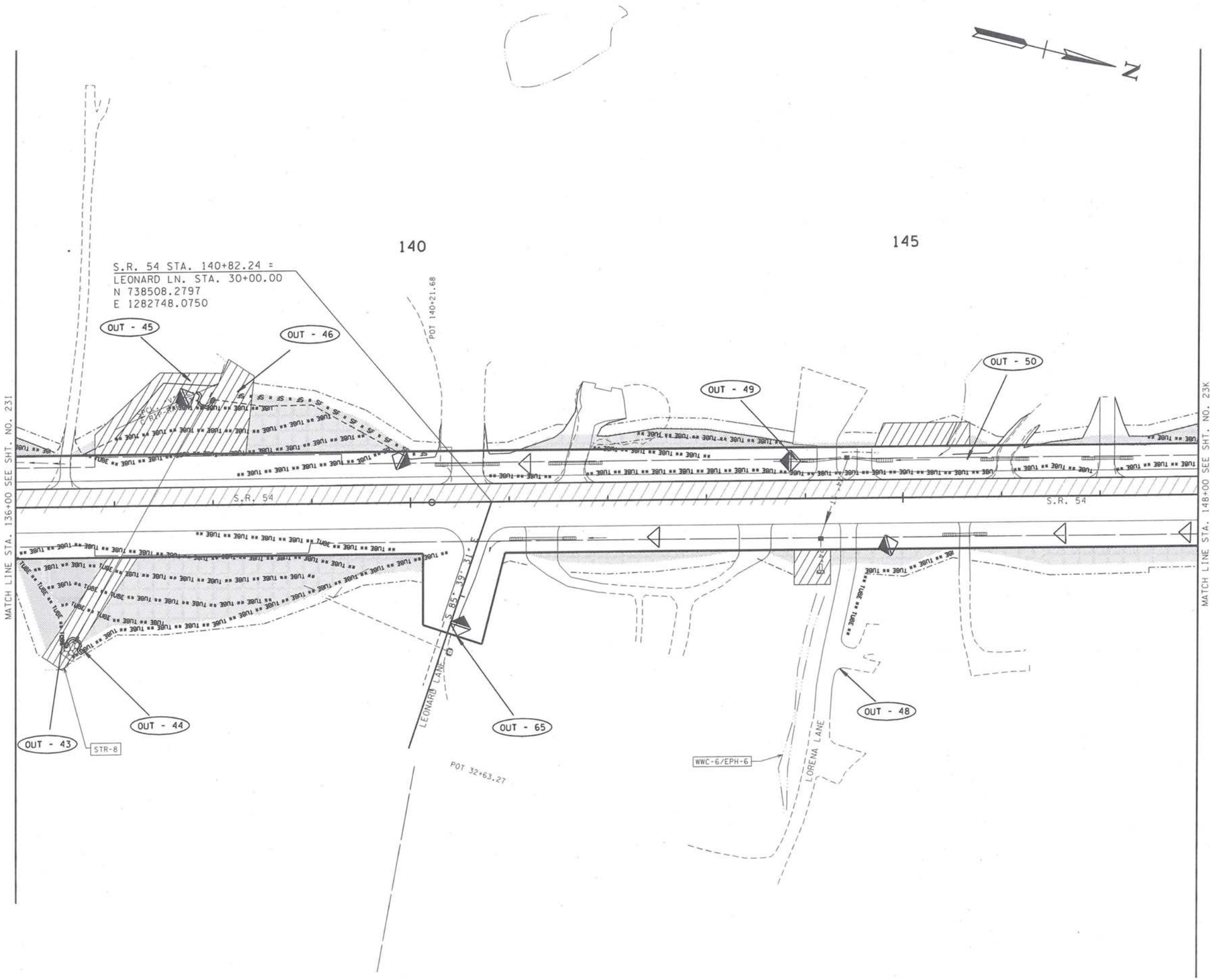
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23J
CONST.	2017	NH-54(26)	23J



STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURAL
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TCRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 136+00 TO STA. 148+00

SCALE: 1"= 50'

6/1/2017 9:08:23 AM
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2012	NHE-54(26)	23K
CONST.	2017	NH-54(26)	23K

S.R. 54 STA. 149+60.00 =
TANGLEWOOD LN. STA. 30+00.00
N 739359.1219
E 1282532.3696

POT 25+00.00

S.R. 54 STA. 151+90.43 =
SMITH RD. STA. 30+00.00
N 739582.4830
E 1282475.7431

END PROJ. NO. NHE-54(26) R.O.W.
STA. 161+00.00
N 740464.1640
E 1282252.2195

END PROJ. NO. NH-54(26) CONST.
STA. 155+50.00
N = 739931.0301
E = 1282387.3795

150

155

160

SMITH ROAD

N 86°13'59" E

WWC-7/EPH-7

OUT - 51

OUT - 52

OUT - 53

OUT - 54

OUT - 55

OUT - 56

S.R. 54

N 14°13'33" W

SR 54 FUTURE

MATCH LINE STA. 148+00 SEE SHT. NO. 23J

PC 30+33.43

PT 31+06.83

N75°46'27"E

S 10°35'16" E

TANGLEWOOD LANE

PC 31+80.83

PT 32+95.11

POT 33+15.56

N 71°59'46" E

TANGLEWOOD LN.
PI 30+71.21
N 739,376.6220
E 1,282,601.3990
Δ 33° 38' 16" (RT)
D 45° 50' 12"
R 125.00
L 73.39
T 37.78
SE NC

TANGLEWOOD LN.
PI 32+40.09
N 739,319.7680
E 1,282,762.7360
Δ 37° 24' 58" (LT)
D 32° 44' 26"
R 175.00
L 114.28
T 59.26

STAGE 3 - CONSTRUCTION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 148+00 TO END PROJECT
SCALE: 1"= 50'

6/1/2017 9:08:24 AM
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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24

RISON ST. W
PI 26+26.07
N 726,398.6469
E 1,282,769.2665
Δ 4° 31' 57" (LT)
D 5° 43' 46"
R 1,000.00
L 79.11
T 39.57

RISON ST. W
PI 27+89.07
N 726,396.6940
E 1,282,932.3000

N

NOTE:

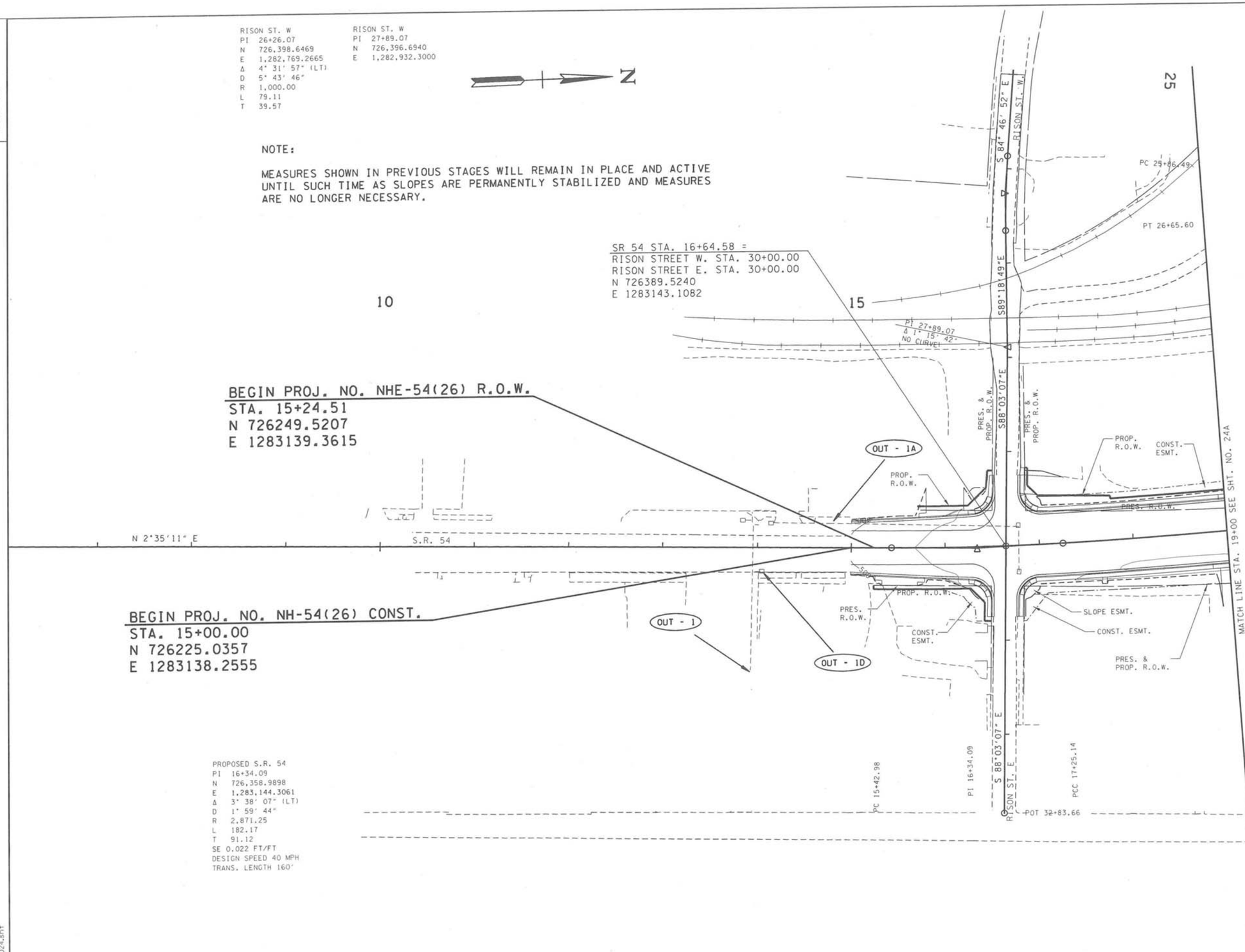
MEASURES SHOWN IN PREVIOUS STAGES WILL REMAIN IN PLACE AND ACTIVE UNTIL SUCH TIME AS SLOPES ARE PERMANENTLY STABILIZED AND MEASURES ARE NO LONGER NECESSARY.

SR 54 STA. 16+64.58 =
RISON STREET W. STA. 30+00.00
RISON STREET E. STA. 30+00.00
N 726389.5240
E 1283143.1082

BEGIN PROJ. NO. NHE-54(26) R.O.W.
STA. 15+24.51
N 726249.5207
E 1283139.3615

BEGIN PROJ. NO. NH-54(26) CONST.
STA. 15+00.00
N 726225.0357
E 1283138.2555

PROPOSED S.R. 54
PI 16+34.09
N 726,358.9898
E 1,283,144.3061
Δ 3° 38' 07" (LT)
D 1° 59' 44"
R 2,871.25
L 182.17
T 91.12
SE 0.022 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 160'



UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

BEGIN PROJECT TO STA. 19+00
SCALE: 1"= 50'

STAGE 4 - FINAL STABILIZATION

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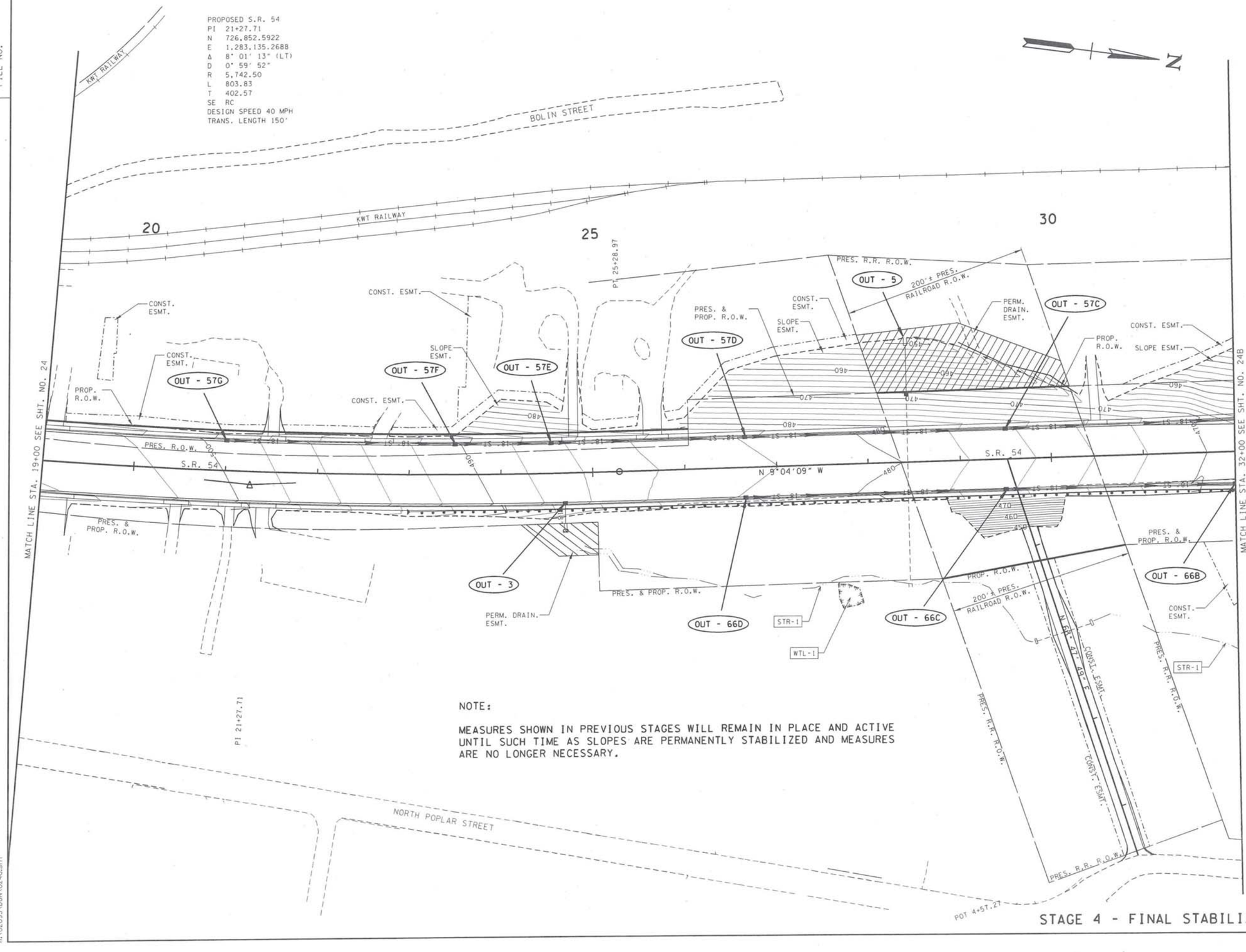
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24A

PROPOSED S.R. 54
PI 21+27.71
N 726,852.5922
E 1,283,135.2688
Δ 8° 01' 13" (LT)
D 0° 59' 52"
R 5,742.50
L 803.83
T 402.57
SE RC
DESIGN SPEED 40 MPH
TRANS. LENGTH 150'



NOTE:

MEASURES SHOWN IN PREVIOUS STAGES WILL REMAIN IN PLACE AND ACTIVE UNTIL SUCH TIME AS SLOPES ARE PERMANENTLY STABILIZED AND MEASURES ARE NO LONGER NECESSARY.

STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 19+00 TO STA. 32+00
SCALE: 1" = 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24B

N

SPROUL HEIGHTS RD.
PI 29+43.88
N 728,778.3190
E 1,282,851.8620
Δ 95° 01' 56" (LT)
D 81° 51' 04"
R 70.00
L 116.10
T 76.43
SE NC

PC 28+67.45
PI 39+00.66
POT 27+08.35
PT 44+09.20

OUT - 57
OUT - 57A
OUT - 57B
OUT - 58
OUT - 59
OUT - 59A
OUT - 60
OUT - 60A
OUT - 60B
OUT - 60C
OUT - 60D
OUT - 60E
OUT - 60F
OUT - 60G
OUT - 60H
OUT - 60N
OUT - 60O
OUT - 60P
OUT - 66
OUT - 66A
OUT - 67

WTL-2
WTL-3
WTL-4
STR-1
STR-2

SLOPE ESMT.
CONST. ESMT.
PERM. DRAIN. ESMT.
PRES.& PROP. R.O.W.
PRES. & PROP. R.O.W.
PRES. & PROP. R.O.W.
PRES. & PROP. R.O.W.
PRES. R.O.W.
PROP. R.O.W.

S.R. 54
SPROUL HEIGHTS RD.
S 14° 48' 19" W
S 20° 13' 37" E
CREEK

MATCH LINE STA. 32+00 SEE SHT. NO. 24A
MATCH LINE STA. 45+00 SEE SHT. NO. 24C

S.R. 54 STA. 40+55.00 =
SPROUL HEIGHTS RD. STA. 30+00.00
N 728762.5531
E 1282943.3947

PROPOSED S.R. 54
PI 39+00.66
N 728,604.6760
E 1,282,855.5994
Δ 28° 34' 37" (RT)
D 2° 45' 00"
R 2,083.48
L 1,039.16
T 530.63
SE 0.026 FT/FT
DESIGN SPEED 40 MPH
TRANS. LENGTH 175'

NOTE:
MEASURES SHOWN IN PREVIOUS STAGES WILL REMAIN IN PLACE AND ACTIVE UNTIL SUCH TIME AS SLOPES ARE PERMANENTLY STABILIZED AND MEASURES ARE NO LONGER NECESSARY.

NORTH POPLAR STREET

STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 32+00 TO STA. 45+00
SCALE: 1"= 50'

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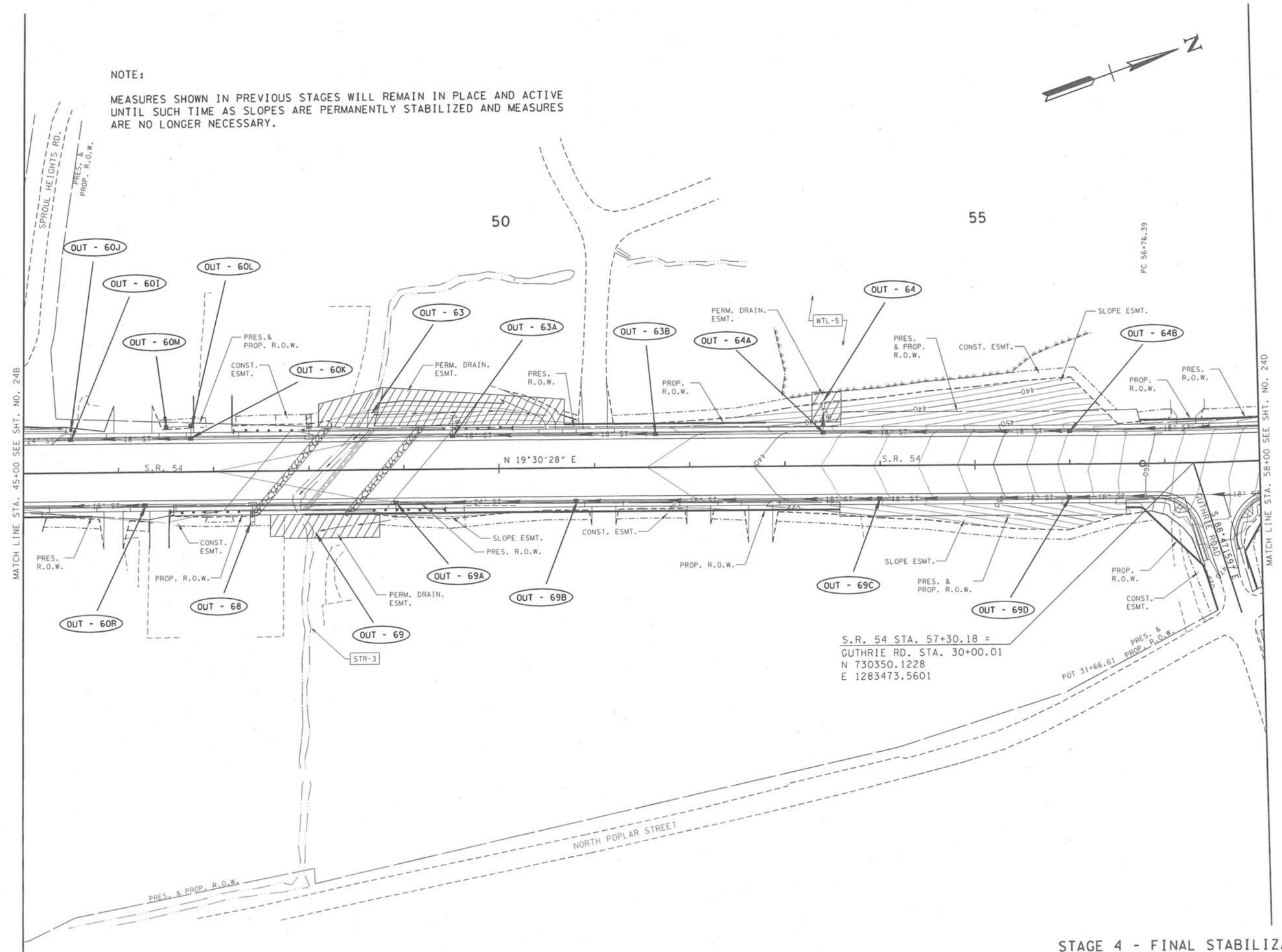
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24C

NOTE:

MEASURES SHOWN IN PREVIOUS STAGES WILL REMAIN IN PLACE AND ACTIVE UNTIL SUCH TIME AS SLOPES ARE PERMANENTLY STABILIZED AND MEASURES ARE NO LONGER NECESSARY.



STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 45+00 TO STA. 58+00
SCALE: 1"= 50'

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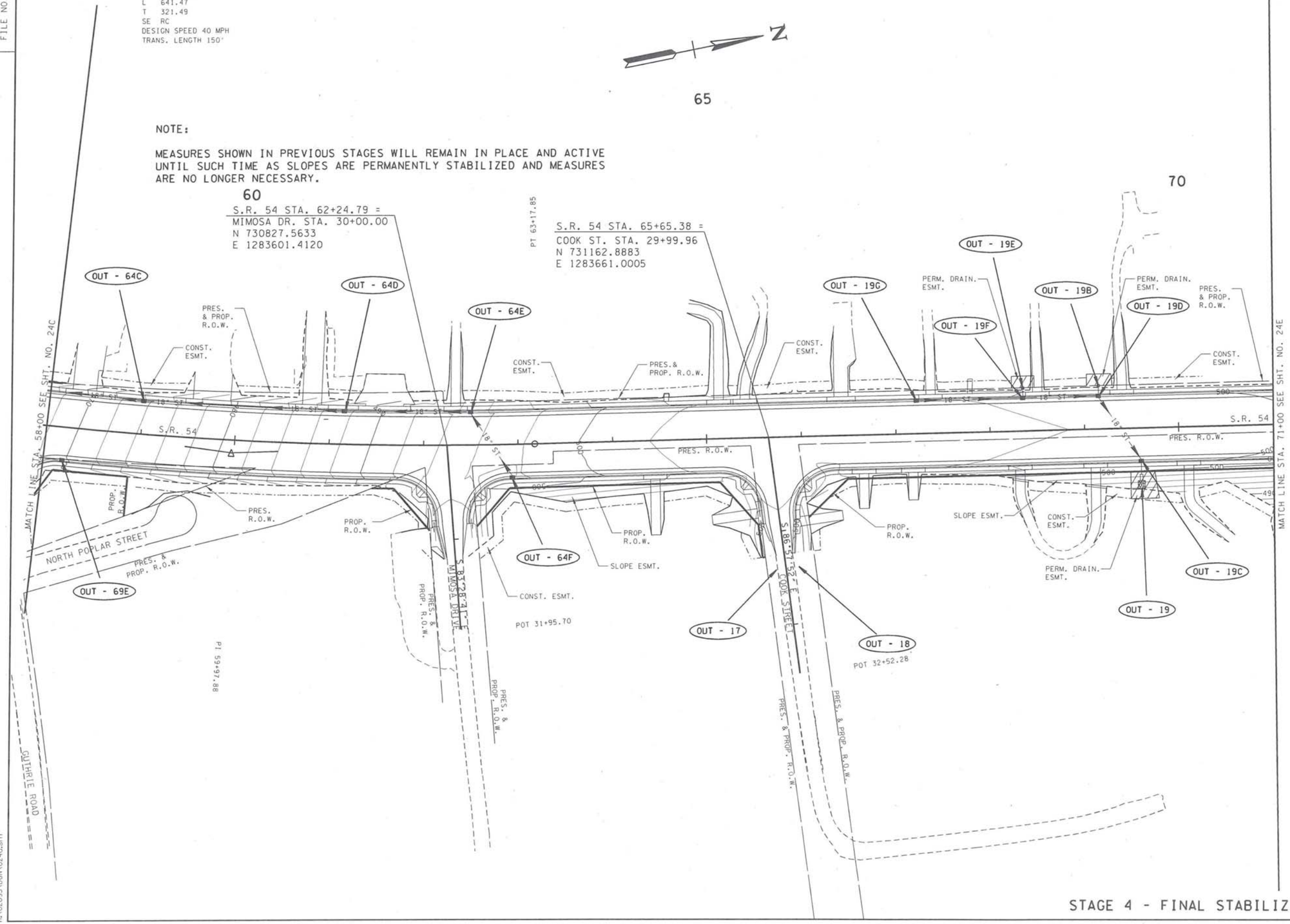
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24D

PROPOSED S.R. 54
PI 59+97.88
N 730,602.3236
E 1,283,563.3097
Δ 9° 37' 19" (LT)
D 1° 30' 00"
R 3,819.72
L 641.47
T 321.49
SE RC
DESIGN SPEED 40 MPH
TRANS. LENGTH 150'

NOTE:

MEASURES SHOWN IN PREVIOUS STAGES WILL REMAIN IN PLACE AND ACTIVE UNTIL SUCH TIME AS SLOPES ARE PERMANENTLY STABILIZED AND MEASURES ARE NO LONGER NECESSARY.



STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURA
COMMERCIO
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 58+00 TO STA. 71+00
SCALE: 1"= 50'

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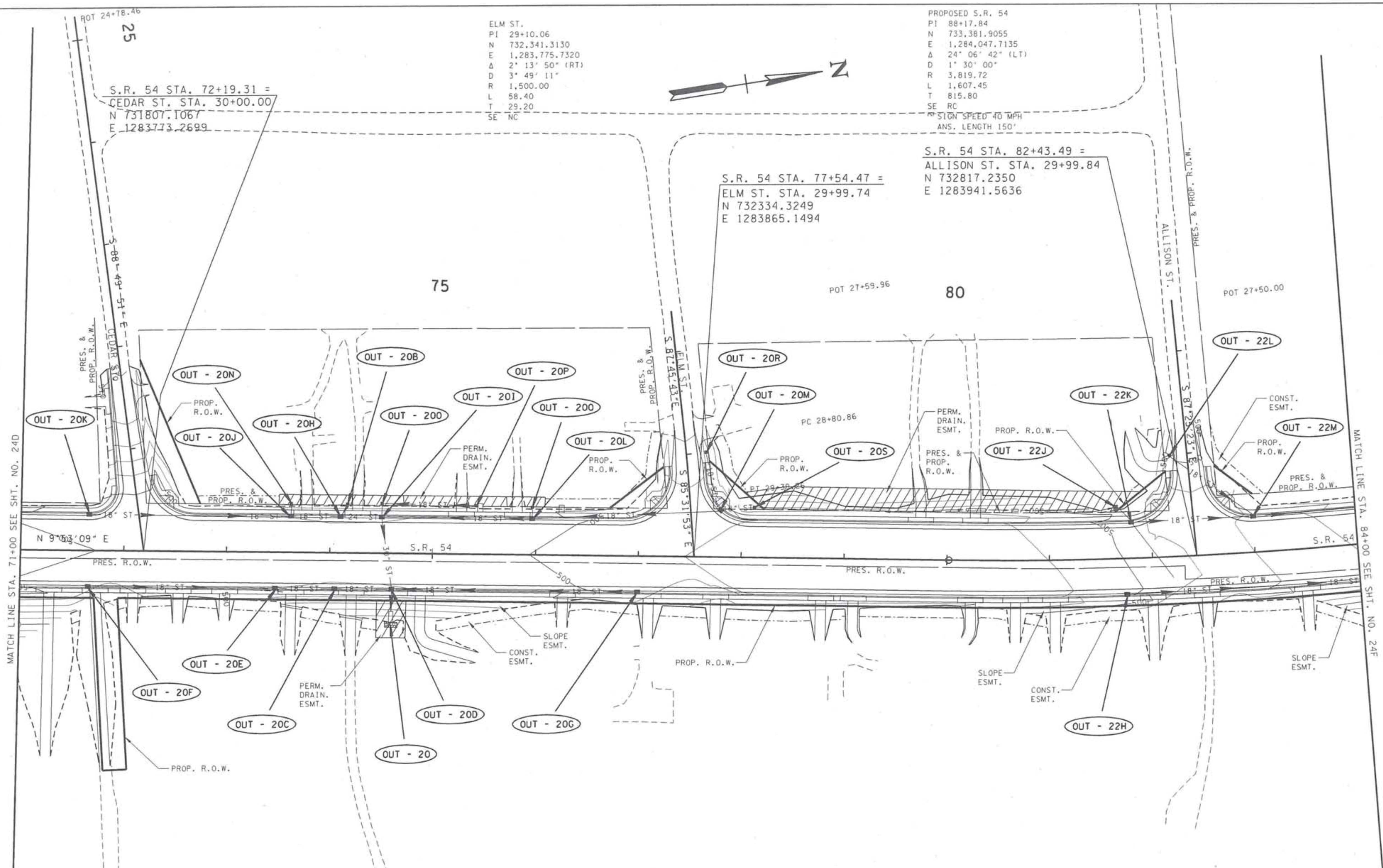
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24E

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



NOTE:

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STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET NOT FOR BIDDING

SEALED BY

Brian H. Trotter

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 71+00 TO STA. 84+00
SCALE: 1" = 50'

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TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24F

PROPOSED S.R. 54
PI 88+17.84
N 733,381.9055
E 1,284,047.7135
Δ 24° 06' 42" (LT)
D 1° 30' 00"
R 3,819.72
L 1,607.45
T 815.80
SE RC
DESIGN SPEED 40 MPH
TRANS. LENGTH 150'

S.R. 54 STA. 87+86.29 =
B.R. SMITH RD. STA. 30+00.04
N 733359.1828
E 1283962.3173

S.R. 54 STA. 91+75.00 =
OLD PARIS-MURRAY HWY. STA. 30+00.00
N 733746.3650
E 1283929.8504

N

OUT - 25A
OUT - 22B
OUT - 22D
OUT - 22A
OUT - 70
OUT - 22E
OUT - 22C
OUT - 22N
OUT - 220
OUT - 220
OUT - 22P
OUT - 25B
OUT - 25C
OUT - 26G
OUT - 25D
OUT - 26F
OUT - 22G
OUT - 221
OUT - 22F
OUT - 22
OUT - 24
OUT - 25
OUT - 23

85 90 95

PERM. DRAIN. ESMT.
PROP. R.O.W.
PRES. & PROP. R.O.W.
SLOPE ESMT.
CONST. ESMT.
PRES. R.O.W.
PRES. & PROP. R.O.W.
PERM. DRAIN. ESMT.
CONST. ESMT.
PRES. R.O.W.
PROP. R.O.W.
SLOPE ESMT.
CONST. ESMT.
SLOPE ESMT.
PRES. & PROP. R.O.W.
PERM. DRAIN. ESMT.
WWC-1/EPH-1
WWC-2/EPH-2
PRES. & PROP. R.O.W.
OLD PARIS-MURRAY HWY
PRES. & PROP. R.O.W.

S 86°44'15" E
B.R. SMITH RD
N 20°32'14" E
N 82°17'30" E
POT 26+00.00
PI 88+17.84
PT 96+09.49
PC 30+41.71
PT 31+49.49
POT 32+28.54
S.R. 54
S.R. 54
PRES. R.O.W.
PRES. R.O.W.
MATCH LINE STA. 84+00 SEE SHT. NO. 24E
MATCH LINE STA. 97+00 SEE SHT. NO. 24G

NOTE:

MEASURES SHOWN IN PREVIOUS STAGES WILL REMAIN IN PLACE AND ACTIVE UNTIL SUCH TIME AS SLOPES ARE PERMANENTLY STABILIZED AND MEASURES ARE NO LONGER NECESSARY.

OLD PARIS-MURRAY HWY.
PI 31+01.50
N 733,759.9800
E 1,284,030.4370
Δ 61° 45' 15" (LT)
D 57° 17' 45"
R 100.00
L 107.78
T 59.79
SE RC

STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 84+00 TO STA. 97+00
SCALE: 1"= 50'

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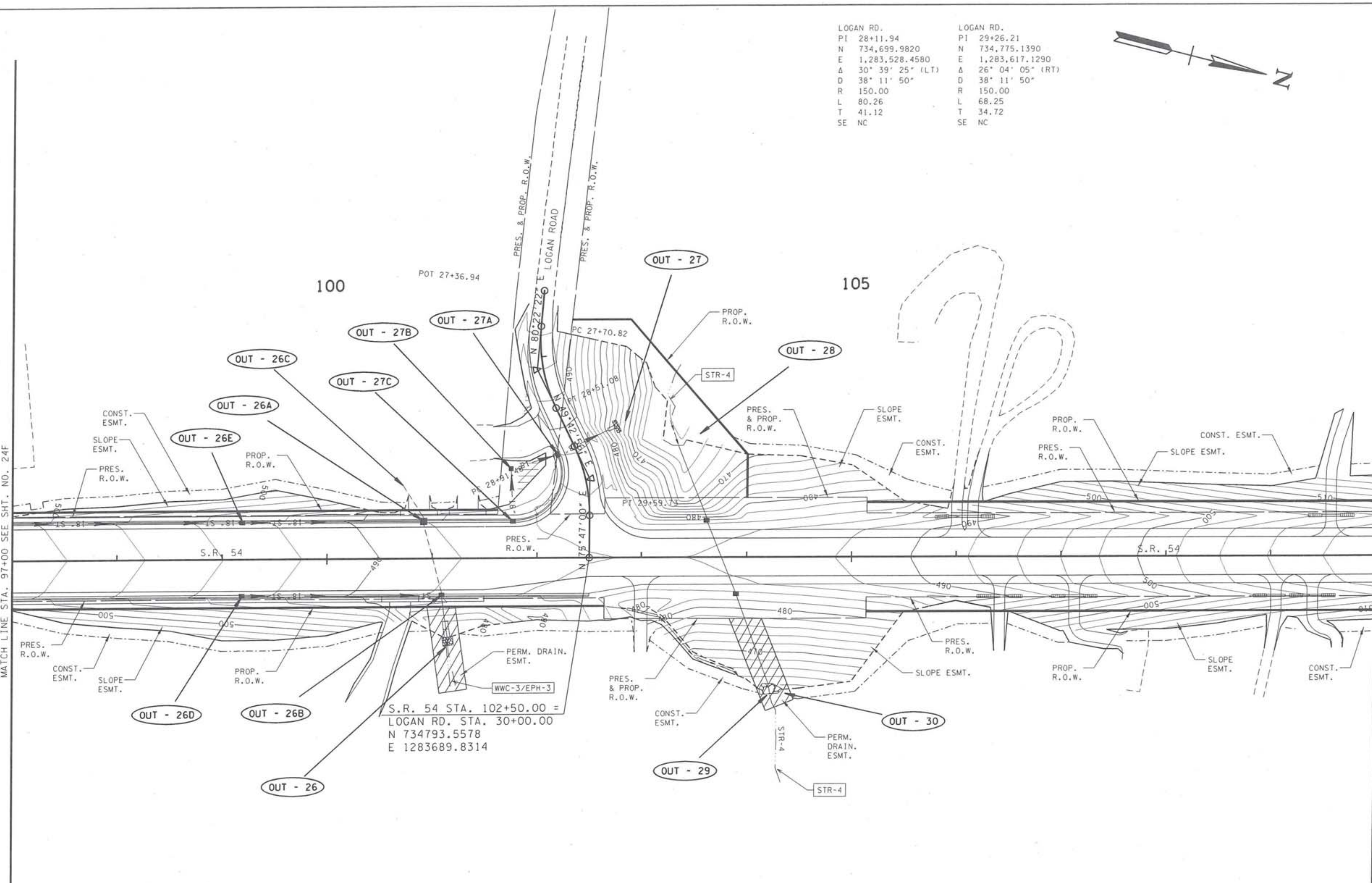
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24G

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

LOGAN RD.	LOGAN RD.
PI 28+11.94	PI 29+26.21
N 734,699.9820	N 734,775.1390
E 1,283,528.4580	E 1,283,617.1290
Δ 30° 39' 25" (LT)	Δ 26° 04' 05" (RT)
D 38° 11' 50"	D 38° 11' 50"
R 150.00	R 150.00
L 80.26	L 68.25
T 41.12	T 34.72
SE NC	SE NC



NOTE:

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STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
AGRICULTURE COMMERCE
STATE OF TENNESSEE

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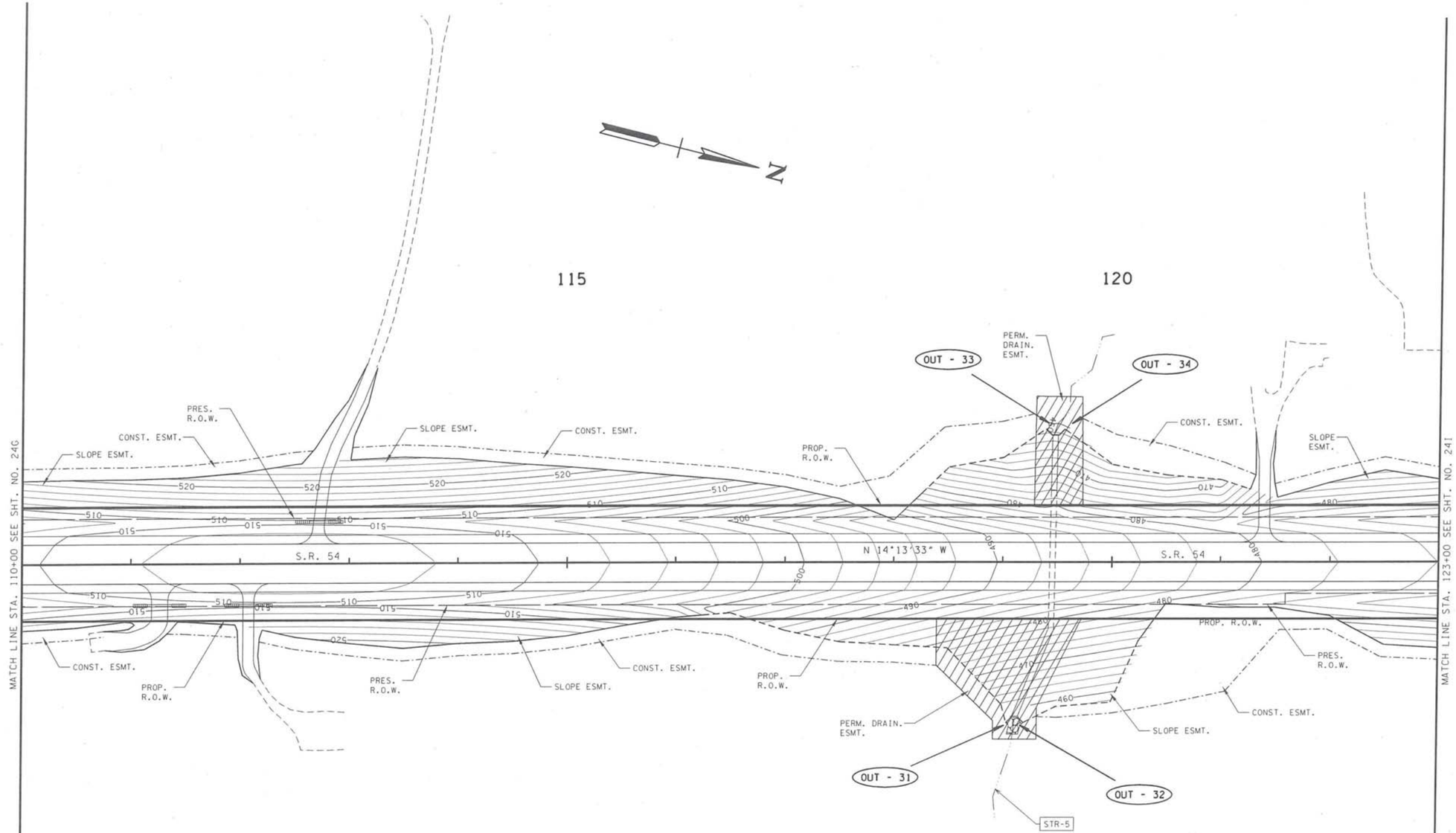
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 97+00 TO STA. 110+00
SCALE: 1"= 50'

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24H



NOTE:

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STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. Trotter
REGISTERED ENGINEER
STATE OF TENNESSEE

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 110+00 TO STA. 123+00
SCALE: 1"= 50'

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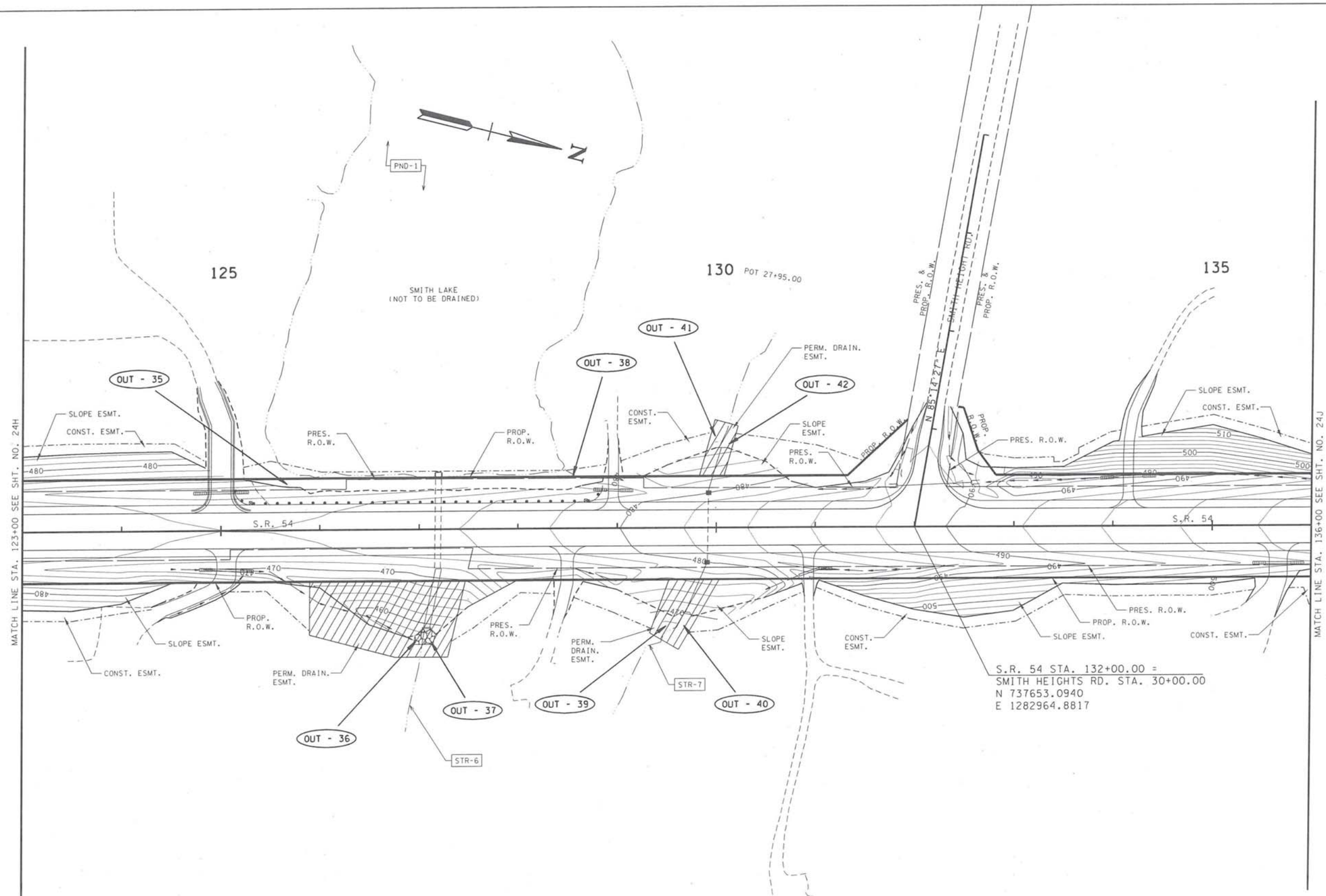
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24I



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STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

Brian H. T. Trotter
REGISTERED ENGINEER
AGRICULTURE
COMMERCE
STATE OF TENNESSEE

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000030 AND TIED TO THE TORN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 123+00 TO STA. 136+00
SCALE: 1"= 50'

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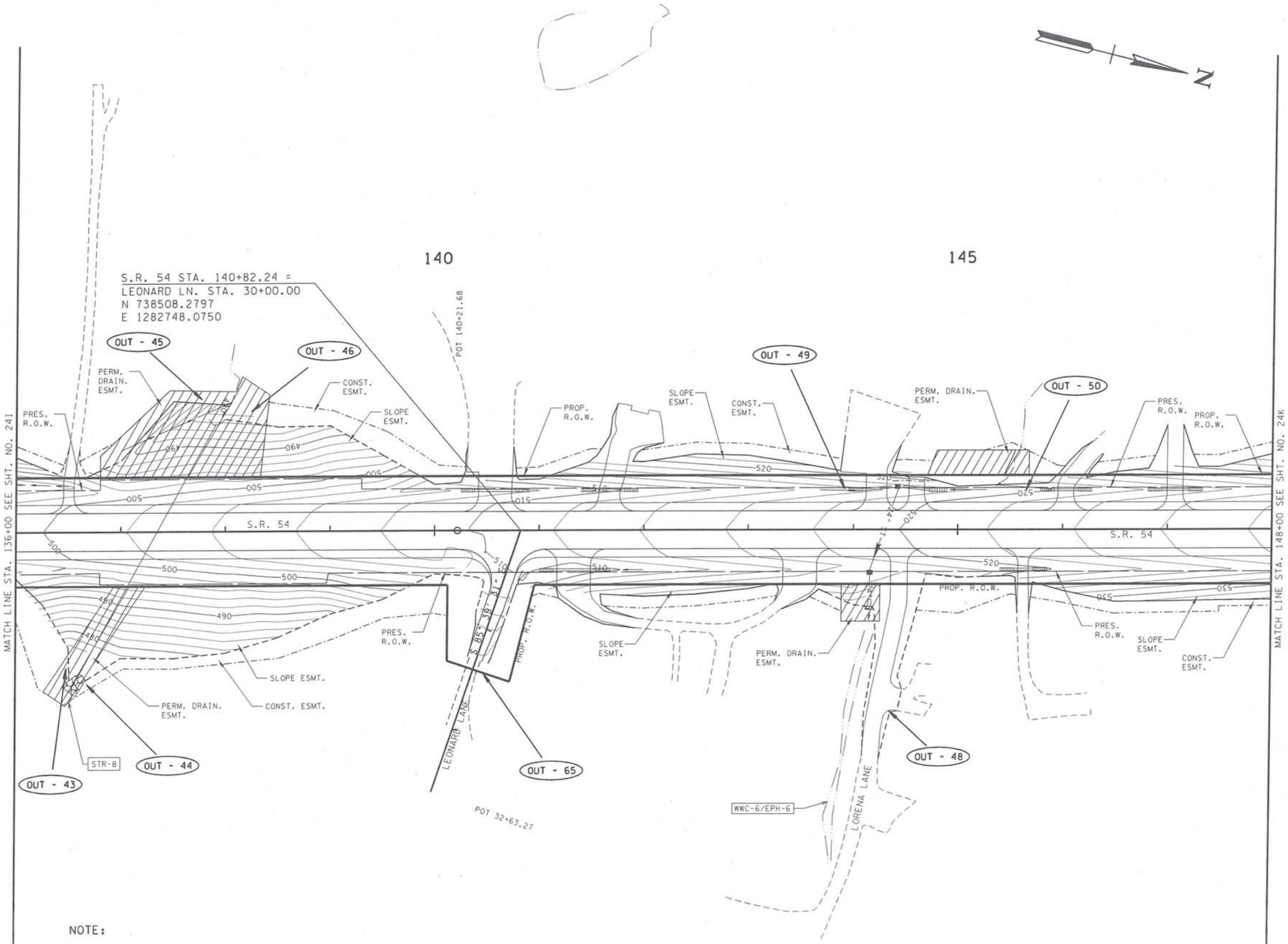
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24J



NOTE:

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STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
NOT FOR BIDDING

SEALED BY

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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 136+00 TO STA. 148+00
SCALE: 1"= 50'

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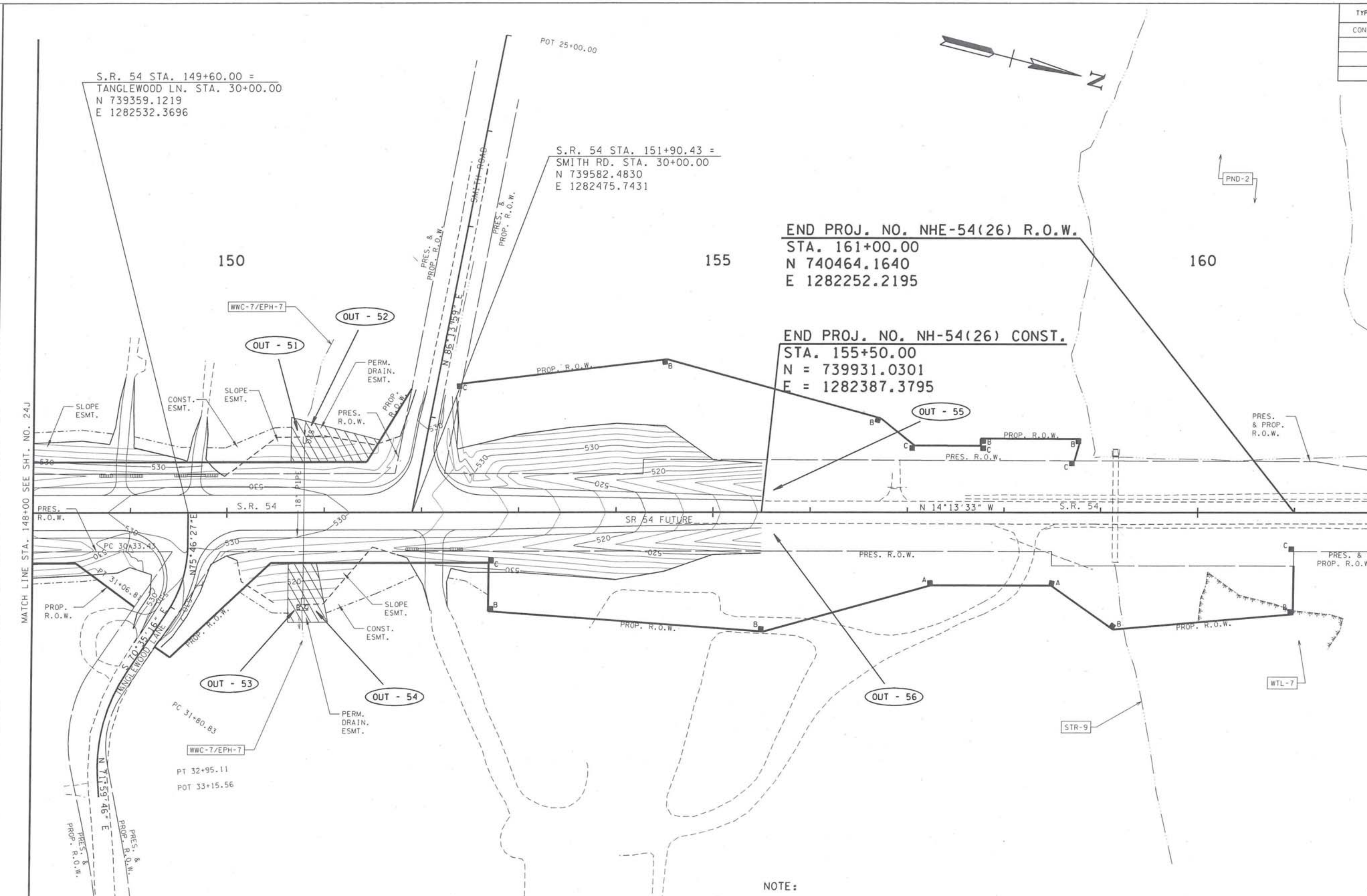
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2017	NH-54(26)	24K



TANGLEWOOD LN.
PI 30+71.21
N 739,376.6220
E 1,282,601.3990
Δ 33° 38' 16" (RT)
D 45° 50' 12"
R 125.00
L 73.39
T 37.78
SE NC

TANGLEWOOD LN.
PI 32+40.09
N 739,319.7680
E 1,282,762.7360
Δ 37° 24' 58" (LT)
D 32° 44' 26"
R 175.00
L 114.28
T 59.26

NOTE:

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STAGE 4 - FINAL STABILIZATION

UNOFFICIAL SET
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STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
STA. 148+00 TO END PROJECT
SCALE: 1" = 50'