



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

**ENVIRONMENTAL DIVISION**  
SUITE 900, JAMES K. POLK BUILDING  
505 DEADERICK STREET  
NASHVILLE, TENNESSEE 37243-1402  
(615) 741-3655

**JOHN C. SCHROER**  
COMMISSIONER

**BILL HASLAM**  
GOVERNOR

March 23, 2016

Mr. Jim McAdoo, Permit Section  
TN Department of Environment and Conservation  
Division of Water Pollution Control  
11<sup>th</sup> Floor William R. Snodgrass Tennessee Tower  
312 Rosa L. Parks Avenue  
Nashville, Tennessee 37243

RE: NOI and SWPPP Submittals for TDOT Construction Activities

Dear Mr. McAdoo:

We request coverage under the General NPDES Permit for Discharges of Storm Water Associated with Construction Activities for the subject project. Attached is the signed Notice of Intent (NOI) for Construction Activity – Storm Water Discharges and Quad Map. The Storm Water Pollution Prevention Plan and the full submittal package will be available on the TDOT FTP site.

Project # 43001-1157-44, PIN 119674.00  
I-40, Interchange at SR-13 Westbound Exit Ramp, LM 8.21  
Humphreys County

By copy of this letter, we are sending three hard copies of documentation binder and one CD of this SWPPP to the Region Construction Office (one copy for the contractor).

Please forward our office the Notice of Coverage (NOC) for this project as soon as it becomes available. Please contact me at (615) 532-9945 if I can be of any assistance.

Sincerely,

A handwritten signature in green ink that reads "Anthony R. Myers".

Anthony Myers  
Environmental Permits Section

Enclosures

JLH: CSS

Enclosures for:

Mr. Jim McAdoo  
March 23, 2016  
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cc: Mr. Mike Brown, Region 3 Construction (CD)  
Reading File, NPDES File

**TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION**

Division of Water Resources

William R. Snodgrass Tennessee Tower, 312 Rosa L. Parks Avenue, 11th Floor, Nashville, TN 37243

1-888-891-8332 (TDEC)

**Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)**

<b>Site or Project Name:</b> PIN 119674.00, PE #43001-1157-44		<b>Existing NPDES Tracking Number:</b> TNR	
<b>Street Address or Location:</b> Hurricane Mills, TN		Start date: January 2017	
<b>Site Activity Description:</b> I-40, Ramp Improvements, Westbound Exit Ramp 143 at SR-13, LM 8.21		Estimated end date: January 2022	
		Latitude (dd.dddd): 35.8000	
<b>County(ies):</b> Humphreys		Longitude (dd.dddd): -87.8004	
		Acres Disturbed: 6.02	
<b>MS4 Jurisdiction:</b> TDOT		Total Acres: 7.26	
Does a topographic map show dotted or solid blue lines <input checked="" type="checkbox"/> and/or wetlands <input type="checkbox"/> on or adjacent to the construction site? If wetlands are located on-site and may be impacted, attach wetlands delineation report. If an Aquatic Resource Alteration Permit has been obtained for this site, what is the permit number? ARAP permit No.:			
<b>Receiving waters:</b> Black Branch			
Attach the SWPPP with the NOI <input checked="" type="checkbox"/> SWPPP Attached		Attach a site location map <input checked="" type="checkbox"/> Map Attached	
<b>Site Owner/Developer Entity (Primary Permittee):</b> (person, company, or legal entity that has operational or design control over construction plans and specifications): Tennessee Department of Transportation			
<b>Site Owner/Developer Signatory (V.P. level/higher - signs certification below):</b> (individual responsible for site): Jim Ozment		<b>Signatory's Title or Position (V.P. level/higher - signs certification below):</b> Director - Environmental Division	
<b>Mailing Address:</b> 900 James K. Polk Bldg., 505 Deaderick Street		<b>City:</b> Nashville	<b>State:</b> TN <b>Zip:</b> 37243-0334
<b>Phone:</b> ( 615 ) 741-5373	<b>Fax:</b> ( 615 )	<b>E-mail:</b> Environmental.NPDES.TDOT@tn.gov	
<b>Optional Contact:</b> Anthony Myers		<b>Title or Position:</b> Senior Transportation Project Specialist	
<b>Mailing Address:</b> 900 James K. Polk Bldg., 505 Deaderick Street		<b>City:</b> Nashville	<b>State:</b> TN <b>Zip:</b> 37243-0334
<b>Phone:</b> ( 615 ) 532-9945	<b>Fax:</b> ( 615 )	<b>E-mail:</b> Anthony.Myers@tn.gov	
<b>Owner or Developer Certification</b> (must be signed by president, vice-president or equivalent, or ranking elected official) (Primary Permittee)			
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.			
<b>Owner or Developer Name;</b> (print or type) Jim Ozment		<b>Signature:</b>	<b>Date:</b> 03-23-2016
<b>Contractor(s) Certification</b> (must be signed by president, vice-president or equivalent, or ranking elected official) (Secondary Permittee)			
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 on-site are thereby regulated.			
<b>Contractor company name</b> (print or type):			
<b>Contractor signatory</b> (print/type): (V.P. level or higher)		<b>Signature:</b>	<b>Date:</b>
<b>Mailing Address:</b>		<b>City:</b>	<b>State:</b> <b>Zip:</b>
<b>Phone:</b> ( 615 )	<b>Fax:</b> ( 615 )	<b>E-mail:</b>	
<b>Other Contractor company name</b> (print or type):			
<b>Other Contractor signatory</b> (print/type): (V.P. level or higher)		<b>Signature:</b>	<b>Date:</b>
<b>Mailing Address:</b>		<b>City:</b>	<b>State:</b> <b>Zip:</b>
<b>Phone:</b> ( 615 )	<b>Fax:</b> ( 615 )	<b>E-mail:</b>	

**OFFICIAL STATE USE ONLY**

<b>Received Date:</b>	<b>Reviewer:</b>	<b>Field Office:</b>	<b>Permit Number</b> TNR	<b>Exceptional TN Water:</b>
<b>Fee(s):</b>	T & E Aquatic Flora and Fauna:	<b>Impaired Receiving Stream:</b>	<b>Notice of Coverage Date:</b>	

## **Notice of Intent (NOI) for General NPDES Permit for Stormwater Discharges from Construction Activities (TNR100000)**

**Purpose of this form** A completed notice of intent (NOI) must be submitted to obtain coverage under the Tennessee General NPDES Permit for Discharges of Stormwater Associated with Construction Activity (permit). **Requesting coverage under this permit means that an applicant has obtained and examined a copy of this permit, and thereby acknowledges applicant's claim of ability to be in compliance with permit terms and conditions.** This permit is required for stormwater discharge(s) from construction activities including clearing, grading, filling and excavating (including borrow pits) of one or more acres of land. This form should be submitted at least 30 days prior to the commencement of land disturbing activities, or no later than 48 hours prior to when a new operator assumes operational control over site specifications or commences work at the site.

**Permit fee** (see table below) must accompany the NOI and is based on total acreage to be disturbed by an entire project, including any associated construction support activities (e.g. equipment staging yards, material storage areas, excavated material disposal areas, borrow or waste sites).

<b>Acres Disturbed</b>	<b>= or &gt; 150 acres</b>	<b>= or &gt; 50 &lt; 150 acres</b>	<b>= or &gt; 20 &lt; 50 acres</b>	<b>= or &gt; 5 &lt; 20 acres</b>	<b>= or &gt; 1 &lt; 5 acres</b>	<b>Subsequent coverage*</b>
<b>Fee</b>	\$10,000	\$6,000	\$3,000	\$1,000	\$250	\$100

\* Subsequent Primary Operators seeking coverage under an actively covered larger common plan of development or sale

**Who must submit the NOI form?** Per Section 2 of the permit, all site operators must submit an NOI form. "Operator" for the purpose of this permit and in the context of stormwater associated with construction activity means any person associated with a construction project who meets either or both of the following two criteria: (1) The person has operational or design control over construction plans and specifications, including the ability to make modifications to those plans and specifications. This person is typically the owner or developer of the project or a portion of the project (e.g. subsequent builder), or the person that is the current land owner of the construction site. This person is considered the primary permittee; or (2) The person has day-to-day operational control of those activities at a project which are necessary to ensure compliance with a SWPPP for the site or other permit conditions. This person is typically a contractor or a commercial builder who is hired by the primary permittee, and is considered a secondary permittee.

Owners, developers and all contractors that meet the definition of the operator in subsection 2.2 of the permit shall apply for permit coverage on the same NOI, insofar as possible. After permit coverage has been granted to the primary permittee, any subsequent NOI submittals must include the site's previously assigned permit tracking number and the project name. The comprehensive site-specific SWPPP shall be prepared in accordance with the requirements of part 3 of the permit and must be submitted with the NOI unless the NOI being submitted is to only add a contractor (secondary permittee) to an existing coverage.

**Notice of Coverage** The division will review the NOI for completeness and accuracy and prepare a notice of coverage (NOC). Stormwater discharge from the construction site is authorized as of the effective date of the NOC.

**Complete the form** Type or print clearly, using ink and not markers or pencil. Answer each item or enter "NA," for not applicable, if a particular item does not fit the circumstances or characteristics of your construction site or activity. If you need additional space, attach a separate piece of paper to the NOI form. **The NOI will be considered incomplete without a permit fee, a map, and the SWPPP.**

**Describe and locate the project** Use the legal or official name of the construction site. If a construction site lacks street name or route number, give the most accurate geographic information available to describe the location (reference to adjacent highways, roads and structures; e.g. intersection of state highways 70 and 100). Latitude and longitude (expressed in decimal degrees) of the center of the site can be located on USGS quadrangle maps. The quadrangle maps can be obtained at the USGS World Wide Web site: <http://www.usgs.gov/>; latitude and longitude information can be found at numerous other web sites. Attach a copy of a portion of a 7.5 minute quad map, showing location of site, with boundaries at least one mile outside the site boundaries. Provide estimated starting date of clearing activities and completion date of the project, and an estimate of the number of acres of the site on which soil will be disturbed, including borrow areas, fill areas, stockpiles and the total acres. For linear projects, give location at each end of the construction area.

**MS4 Jurisdiction:** If this construction site is located within a Municipal Separate Storm Sewer System (MS4), please list name of MS4. A current list of MS4s in Tennessee may be found at [http://www.state.tn.us/environment/water/water-quality\\_storm-water.shtml](http://www.state.tn.us/environment/water/water-quality_storm-water.shtml)

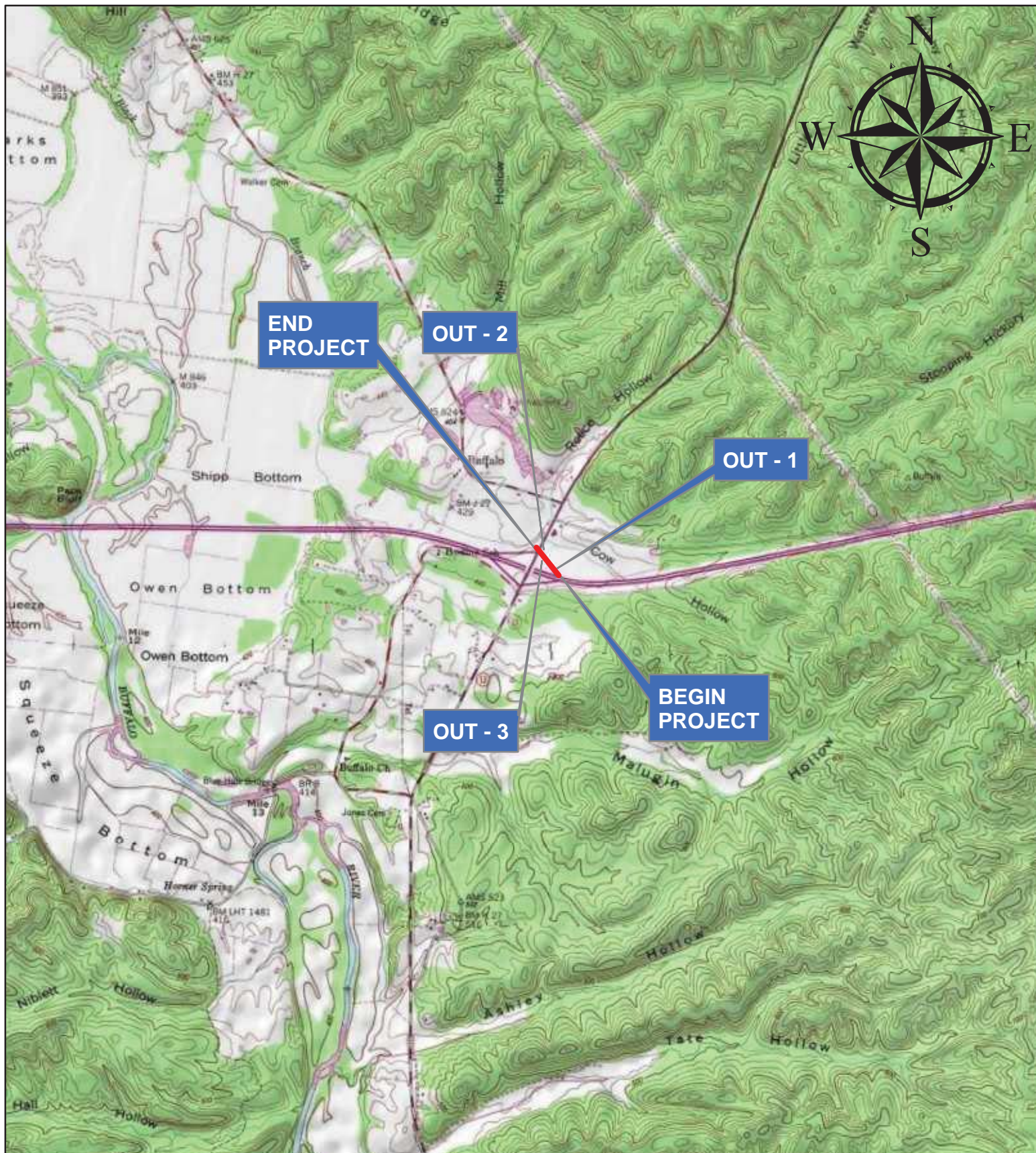
**Give name of the receiving waters** Trace the route of stormwater runoff from the construction site and determine the name of the river(s), stream(s), creek(s), wetland(s), lake(s) or any other water course(s) into which the stormwater runoff drains. Note that the receiving water course may or may not be located on the construction site. If the first water body receiving construction site runoff is unnamed ("unnamed tributary"), determine the name of the water body that the unnamed tributary enters.

**ARAP permit may be required** **If your work will disturb or cause alterations of a stream or wetland, you must obtain an appropriate Aquatic Resource Alteration Permit (ARAP).** If you have a question about the ARAP program or permits, contact your local Environmental Field Office (EFO).

**Submitting the form and obtaining more information** Note that this form must be signed by the company President, Vice-President, or a ranking elected official in the case of a municipality, for details see subpart 2.5. For more information, contact your local EFO at the toll-free number 1-888-891-8332 (TDEC). Submit the completed NOI form (keep a copy for your records) to the appropriate EFO for the county(ies) where the construction activity is located, addressed to **Attention: Stormwater NOI Processing.**

Tennessee Department of Environment and Conservation Division of Water Pollution Control, Permit Section Attn: Storm Water NOI Processing William R. Snodgrass Tennessee Tower 312 Rosa L. Parks Avenue, 11 <sup>th</sup> Floor Nashville, TN 37243
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HURRICANE MILLS, TN QUADRANGLE 31-NE

APPLICATION BY:  
TENNESSEE DEPARTMENT OF TRANSPORTATION  
Project # 43001-1157-44  
PIN 119674.00  
I-40, Interchange at SR-13 Westbound Exit Ramp, LM 8.21,  
Humphreys County





TENNESSEE D.O. T.

DESIGN DIVISION

FILE NO.

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SWPPP INDEX OF SHEETS

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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 CERTIFICATIONS (3.1.1)?  
YES ☒ NO ☐ (CHECK ALL THAT APPLY BELOW)

1.1.1. ☒ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC); OR

1.1.2. ☒ TDEC LEVEL II

1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (SEDIMENT BASINS, ETC.)(3.1.1)? YES ☒ NO ☐  
IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT?  
☒YES ☐ NO

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

1.3.1. ☒ IMPAIRED WATERS (303d FOR SILTATION OR HABITAT ALTERATION)

1.3.2. ☐ KNOWN EXCEPTIONAL TENNESSEE WATERS (KETW)

IF YES TO SECTION 1.3, HAVE THE EPSC PLANS BEEN PREPARED BY AN INDIVIDUAL WHO IS TDEC LEVEL II CERTIFIED? (5.4.1.b)  
☒YES ☐ NO ☐ N/A (MAY 23, 2013 CGP EXEMPTION); AND  
IF YES TO SECTION 1.3, HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL WHO IS TDEC LEVEL II CERTIFIED? (5.4.1.b)  
☒YES ☐ NO ☐ N/A (MAY 23, 2013 CGP EXEMPTION)

2 SITE DESCRIPTION (3.5.1)

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

2.2. PROJECT DESCRIPTION (3.5.1.a):  
TITLE: I-40, Interchange at SR-13 Westbound Exit Ramp, LM 8.21  
COUNTY: Humphreys  
PIN: 119674.00

2.3. SITE MAP(S) (3.5.1.g): REFER TO TITLE SHEET

2.4. DESCRIPTION OF EXISTING SITE TOPOGRAPHY (3.5.1.d): REFER TO EXISTING CONTOURS SHEET(S) 8A-8B, DRAINAGE MAP SHEET(S) 6, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.2.3.

2.5. MAJOR SOIL DISTURBING ACTIVITIES (3.5.1.b) (CHECK ALL THAT APPLY):  
2.5.1. ☒ CLEARING AND GRUBBING  
2.5.2. ☒ EXCAVATION  
2.5.3. ☒ CUTTING AND FILLING  
2.5.4. ☒ FINAL GRADING AND SHAPING  
2.5.5. ☒ UTILITIES  
2.5.6. ☐ OTHER (DESCRIBE): \_\_\_\_\_

2.6. TOTAL PROJECT AREA (3.5.1.c): 7.26ACRES

2.7. TOTAL AREA TO BE DISTURBED (3.5.1.c): 6.02ACRES

IF GREATER THAN 50 ACRES, HAS CONSTRUCTION PROJECT PHASING BEEN SPECIFIED IN SECTION 3 BELOW AND IN THE PLANS (3.5.3.1.k)?  
YES ☐ NO ☐ N/A ☒  
IF YES, SEE SHEET \_\_\_\_\_ FOR NOTE RESTRICTING CONSTRUCTION ACTIVITIES TO LESS THAN 50 ACRES.

2.8. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? YES ☐ NO ☒  
IF YES, LIST THE CORRESPONDING PLAN SHEET: \_\_\_\_\_

2.9. 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)

2.10. ARE UTILITIES INCLUDED IN THE CONTRACT? YES ☒ NO ☐

2.11. SOIL PROPERTIES (3.5.1.e)(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)
Hg - Humphreys gravelly silt loam, 2 to 5 percent slopes	A	37	0.20
Hm - Humphreys silt loam	B	54	0.43
Ll - Lindside silt loam	B/D	4	0.37
Psx - Paden silt loam, slope	C	5	0.43

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

2.12.1. IF YES TO SECTION 2.12, 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.f).

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS				
AREA TYPE	AREA (AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS - A (ROADS,SHOULDERS, ETC.)	0.81	11	98	
IMPERVIOUS - B (ROADS,SHOULDERS, ETC.)	0.80	11	98	
IMPERVIOUS – B/D (ROADS,SHOULDERS, ETC.)	0.32	4	98	
IMPERVIOUS - C (ROADS,SHOULDERS, ETC.)	0.08	1	98	
PERVIOUS - A (OPEN SPACE, GOOD)	1.38	19	39	
PERVIOUS - B (OPEN SPACE, GOOD)	2.92	40	61	
PERVIOUS - C (OPEN SPACE, GOOD)	0.29	4	74	
PERVIOUS - A (WOODS, GOOD)	0.48	7	30	
PERVIOUS - B (WOODS, GOOD)	0.18	3	55	
WEIGHTED CURVE NUMBER OR C-FACTOR =			65	

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	PHSIP-I-40-3(160)	
P.E.	2016	43001-1157-44	S-1

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS				
AREA TYPE	AREA (AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	C FACTOR
IMPERVIOUS - A (ROADS,SHOULDERS, ETC.)	0.92	13	98	
IMPERVIOUS - B (ROADS,SHOULDERS, ETC.)	0.98	14	98	
IMPERVIOUS – B/D (ROADS,SHOULDERS, ETC.)	0.32	4	98	
IMPERVIOUS - C (ROADS,SHOULDERS, ETC.)	0.08	1	98	
PERVIOUS - A (OPEN SPACE, GOOD)	1.54	21	39	
PERVIOUS - B (OPEN SPACE, GOOD)	2.77	38	61	
PERVIOUS - C (OPEN SPACE, GOOD)	0.29	4	74	
PERVIOUS - A (WOODS, GOOD)	0.22	3	30	
PERVIOUS - B (WOODS, GOOD)	0.14	2	55	
WEIGHTED CURVE NUMBER OR C-FACTOR =			68	

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

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

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEETS FROM THE SITE.

3.4. INSTALL INITIAL EPSC (EROSION PREVENTION AND SEDIMENT CONTROL) MEASURES.

3.5. PERFORM CLEARING AND GRUBBING (NOT MORE THAN 15 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 PERMANENT VEGETATIVE COVER.

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

4 STREAM OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION  

4.1. STREAM INFORMATION  
4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS?  
YES ☐ NO ☒  
4.1.2. HAVE ANY OF THE RECEIVING 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):  
4.1.2.1. ☒ 303d IMPAIRED FOR SILTATION  
4.1.2.2. ☒ 303d IMPAIRED FOR HABITAT ALTERATION  
4.1.2.3. ☐ KNOWN EXCEPTIONAL TENNESSEE WATERS (KETW)

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

STORMWATER  
POLLUTION  
PREVENTION  
PLAN



TENNESSEE D.O. T.

DESIGN DIVISION

FILE NO.

4.1.3. RECEIVING STREAMS (3.5.1.j).

RECEIVING STREAMINFORMATION					
NATURAL RESOURCE LABEL	NAME OF RECEIVING NATURAL RESOURCE	303d IMPAIRED FOR SILTATION OR HABITAT ALTERATION (YES OR NO)	KETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)	LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO)
	Black Branch	YES	NO	NO	YES
	Black Branch	NO	NO	NO	YES

4.1.4. ARE BUFFER ZONES REQUIRED (4.1.2, 5.4.2)? YES ☒ NO ☐  
IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) 8B, 9A, 10A, & 11A  
IF YES, CHECK THE APPROPRIATE BOX BELOW FOR SIZE OF BUFFER.  
☒ 60-FEET FOR IMPAIRED AND KNOWN EXCEPTIONAL TENNESSEE WATERS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 30-FEET)  
☐ 30-FEET FOR ALL OTHER STREAMS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 15-FEET)  
IF NO, CHECK THE APPROPRIATE BOX BELOW.  
☐ BUFFERS NOT REQUIRED (I.E. NO STREAM, WETLAND, ETC. IMPACTS)  
☐ TDEC ARAP APPLIED FOR  
  
BUFFER ZONE REQUIREMENTS ARE NOT REQUIRED FOR PRE-APPROVED SITES (4.1.2.2)

4.1.5. ARE THERE BUFFER ZONE EXEMPTIONS (4.1.2.1)? YES ☐ NO ☒  
IF YES, EXISTING CONDITIONS DESCRIPTION: \_\_\_\_\_

4.2. OUTFALL INFORMATION:  
A SEDIMENT BASIN OR EQUIVALENT MEASURE(S) WILL BE PROVIDED FOR ANY OUTFALL IN A DRAINAGE AREA:  
4.2.1. OF TEN ACRES OR MORE FOR AN OUTFALL(S) THAT DOES NOT DISCHARGE TO AN IMPAIRED STREAM OR KNOWN EXCEPTIONAL TENNESSEE WATERS (3.5.3.3) OR  
4.2.2. OF FIVE ACRES OR MORE FOR AN OUTFALL(S) THAT DISCHARGES TO AN IMPAIRED STREAM OR KNOWN EXCEPTIONAL TENNESSEE WATERS (5.4.1.f).  
4.2.3. OUTFALL TABLE (3.5.1.d, 5.4.1.f).  
SEE SWPPP SHEET S-6 FOR OUTFALL INFORMATION.  
4.2.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-ON BEEN DIVERTED THROUGH THE PROJECT SO THAT THE OFF-SITE RUN-ON WILL NOT FLOW OVER DISTURBED AREAS WITHIN THE ROW, THUS SEPARATING NON-PROJECT RUN-OFF FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA TO ANY ONE OUTFALL?  
YES ☒ NO ☐ N/A ☐  
4.2.5. ARE EQUIVALENT MEASURES BEING SUBSTITUTED FOR A SEDIMENT BASIN(S)? YES ☒ NO ☐ N/A ☐  
4.2.6. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (3.5.1.g, 5.4.1.f)? YES ☒ NO ☐  
4.2.7. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE "DOCUMENTATION AND PERMITS" BINDER (2.6.2)? YES ☒ NO ☐  
4.3. 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 WETLAND IMPACTS AND HAVE BEEN INCLUDED IN THE ARAP PERMIT, 401 OR 404 PERMITS.

WETLAND INFORMATION				
WETLAND LABEL	FROM STATION LT OR RT	TO STATION LT OR RT	TEMPORARY IMPACTS (AC)	PERMANENT IMPACTS (AC)
N/A				

4.4. TOTAL MAXIMUM DAILY LOADS (TMDL) INFORMATION (3.5.10)  
4.4.1. IS THIS PROJECT LOCATED IN A HUC-8 WATERSHED THAT MAINTAINS AN EPA APPROVED TMDL FOR SILTATION? YES ☐ NO ☒  
4.4.2. IF YES, IS THIS PROJECT LOCATED WITHIN A HUC-12 SUBWATERSHED WITH A WASTE LOAD ALLOCATION (WLA)? YES ☐ NO ☐  
4.4.3. IF YES, DOES THE PROJECT HAVE A DIRECT DISCHARGE TO A 303(d) LISTED STREAM FOR SILTATION OR HABITAT ALTERATION? YES ☐ NO ☐  
4.4.4. IF YES, HAS A SUMMARY OF THE CONSULTATION (LETTER) BEEN INCLUDED WITH THE SWPPP DOCUMENTATION? YES ☐ NO ☐  
4.5. ECOLOGY INFORMATION (3.5.5.e)  
IF SPECIAL NOTES ARE PRESENT IN THE TDOT ECOLOGY REPORT, HAVE THEY BEEN ADDED TO THE APPROPRIATE PLAN SHEETS?  
YES ☐ NO ☐ NO NOTES REQUIRED ☒  
IF YES, LIST ALL PLAN SHEETS WHERE SPECIAL NOTES HAVE BEEN ADDED.  
  
\_\_\_\_\_

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 ACCORDING TO 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 5-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.n)? YES ☒ NO ☐  
5.6. HAVE STAGED EPSC PLANS BEEN PREPARED FOR THE PROJECT (3.5.2)? YES ☒ NO ☐ (IF YES, CHECK ONE BELOW)  
5.6.1.1. ☐ PROJECT DISTURBED AREA IS THAN LESS THAN 5 ACRES (MINIMUM OF TWO STAGES OF EPSC PLANS)  
5.6.1.2. ☒ PROJECT DISTURBED AREA IS GREATER THAN 5 ACRES (MINIMUM OF THREE STAGES OF EPSC PLANS)  
5.7. IS ADDITIONAL PHYSICAL OR CHEMICAL TREATMENT OF STORMWATER RUNOFF NECESSARY (5.4.1.a)? YES ☐ NO ☒  
5.8. HAVE STEEP SLOPES (GREATER THAN 35%) 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 ☐  
5.9. ALL PHYSICAL AND/OR CHEMICAL TREATMENT WILL BE RESEARCHED, APPLIED IN ACCORDANCE WITH MANUFACTURE'S GUIDELINES AMD FULLY DESCRIBED ON THE EPSC PLANS (3.5.3.1.b).  
5.10. ALL EPSC CONTROL MEASURES WILL BE INSTALLED ACCORDING TO TDOT STANDARDS (E.G. STANDARD DRAWINGS).  
5.11. EPSC MEASURES WILL NOT BE INSTALLED IN A STREAM WITHOUT FIRST OBTAINING US COE SECTION 404, TDEC ARAP, AND TVA PERMITS.  
5.12. DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS MANAGED BY CONTROLS PROVIDING EQUIVALENT LEVEL OF TREATMENT (FILTRATION) (4.14).  
5.13. DISCHARGES FROM SEDIMENT BASINS AND IMPOUNDMENTS MUST USE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT, UNLESS INFEASIBLE (4.1.7).  
5.14. THE CONTROL MEASURES LISTED IN THE QUANTITIES TABLE ON SHEET 8 HAVE BEEN SELECTED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES (3.5.3.1.b).  
5.15. THE QUANTITIES REQUIRED FOR STABILIZED CONSTRUCTION EXITS PER TDOT STANDARDS HAVE BEEN SPECIFIED ON SHEET 8 (3.5.3.1.n).

5.16. STABILIZATION PRACTICES: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 15 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).  
5.17. 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).  
5.18. STEEP SLOPES (3.5.3.2): STEEP SLOPES ARE DEFINED AS A NATURAL OR CREATED SLOPE OF 35% GRADE OR STEEPER REGARDLESS OF HEIGHT. STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.  
5.19. 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.i). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET S-5. ALL PERMITS WILL BE MAINTAINED ON SITE IN THE "DOCUMENTATION AND PERMITS" BINDER.

6. CONSTRUCTION SUPPORT ACTIVITIES – BORROW AND WASTE AREAS (1.2.2)(3.5.3.1.g)  
  
IF OFFSITE BORROW AND WASTE AREAS BECOME NECESSARY DURING THE LIFE OF THE PROJECT, THIS SUPPORT ACTIVITY SHALL BE ADDRESSED PER THE TDOT WASTE AND BORROW MANUAL AS INDICATED IN THE STATEWIDE STORMWATER MANAGEMENT PLAN (SSWMP).  
  
7. MAINTENANCE AND INSPECTION  
  
7.1. INSPECTION PRACTICES (3.5.8)  
7.1.1. INSPECTORS MUST HAVE SUCCESSFULLY COMPLETED THE TDEC FUNDAMENTALS OF EROSION AND SEDIMENT CONTROL COURSE (TDEC LEVEL I) AND MAINTAIN THE CERTIFICATION. A COPY OF THE INSPECTOR'S CERTIFICATION SHOULD BE KEPT ON SITE (3.5.8.1).  
7.1.2. INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS A PART (3.5.8.2.a).  
7.1.3. THE FREQUENCY OF EPSC INSPECTIONS MAY BE REDUCED TO ONCE A MONTH (I.E. EXTREME DROUGHT CONDITIONS, FROZEN GROUND, ETC.) WITH WRITTEN NOTIFICATION 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).  
7.1.4. 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).  
7.1.5. THE INSPECTOR WILL OVERSEE THE REQUIREMENTS OF OTHER CONSTRUCTION-RELATED WATER QUALITY PERMITS (I.E. TDEC ARAP, US COE AND TVA SECTION 26a PERMITS) FOR CONSTRUCTION ACTIVITIES AROUND WATERS OF THE STATE (10 "INSPECTOR").  
7.1.6. 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 (3.8.5.2.e AND 3.8.5.2.f).  
7.1.7. 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.n).  
7.1.8. INSPECTIONS WILL BE DOCUMENTED ON THE TDOT EPSC INSPECTION REPORT (TDEC PRE-APPROVED) AND INCLUDE THE SCOPE OF THE INSPECTION, NAME(S), TITLE AND TN EPSC CERTIFICATION NUMBER OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, CURRENT APPROXIMATE DISTURBED ACREAGE AT TIME OF INSPECTION, CHECKLIST (NOC, SWPPP, RAIN GAUGE, SITE CONTACT INFORMATION, ETC.) AND MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWPPP (3.5.8.2.g).

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

STORMWATER  
POLLUTION  
PREVENTION  
PLAN

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TENNESSEE D.O.T.

DESIGN DIVISION

FILE NO.

12.3.2.1.

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

12.3.2.2.

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

12.3.2.3.

A BRIEF DESCRIPTION OF THE PROJECT; AND

12.3.2.4.

THE LOCATION OF THE SWPPP.

12.3.3.

ALL INFORMATION DESCRIBED IN SECTION 10.3.2 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.

12.4.

NOTICE OF TERMINATION (8.0)

12.4.1.

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

12.4.2.

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

12.4.2.1.

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

12.4.2.2.

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

12.4.2.3.

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

12.4.2.4.

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

12.4.2.5.

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

12.4.2.6.

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

12.4.2.7.

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.

12.5.

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.

13.

SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (7.7.5)

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED 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 FOR KNOWING VIOLATIONS.

AUTHORIZED TDOT PERSONNEL SIGNATURE (3.3.1)

JIM OZMENT

PRINTED NAME

ENVIRONMENTAL DIVISION DIRECTOR

TITLE

03-23-2016

DATE

14.

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 ON-SITE 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.

AUTHORIZED OPERATOR (CONTRACTOR) SIGNATURE (3.3.1)

PRINTED NAME

TITLE

DATE

15.

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 DESIGNEE):

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

	TYPE	YEAR	PROJECT NO.	SHEET NO.
	CONST.	2016	PHSIP-I-40-3(160)	
	P.E.	2016	43001-1157-44	S-5

TDEC CGP			
OTHER:			

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

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

STORMWATER  
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TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	PHSIP-I-40-3(160)	
P.E.	2016	43001-1157-44	S-6

4.2.3      OUTFALL TABLE (3.5.1.d, 5.4.1.f)

EPSC STAGE	OUTFALL LABEL	SUB OUT-FALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 (P1) DRAINAGE AREA (AC)	STAGE 2 (P2) DRAINAGE AREA (AC)	STAGE 3 (P3) DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING NATURAL RESOURCE NAME OR LABEL	COMMENTS
C&G, 1, 2, & 3	1		29+50 RT	2.0	7.0	7.0	7.0	YES	Black Branch	
C&G, 1, 2, & 3	2		47+35 RT	2.4	5.0	5.0	5.0	YES	Black Branch	
1, 2, & 3	3		45+00 LT	3.33	0.67	0.67	0.67	N/A	Black Branch	

\* SEE COMMENTS SECTION FOR ADDITIONAL INFORMATION REGARDING DRAINAGE AREA.

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



Index Of Sheets  
SEE SHEET NO.1A

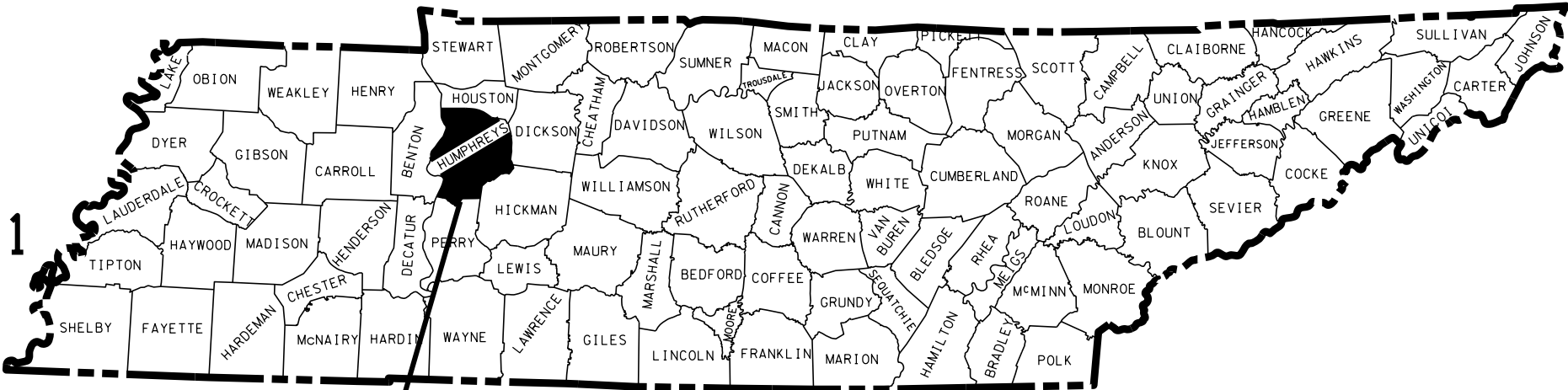
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF ENGINEERING  
HUMPHREYS COUNTY

TENN.	YEAR	SHEET NO.
	2016	1
FED. AID PROJ. NO.	PHSIP-I-40-3(160)	
STATE PROJ. NO.	43001-3157-44	

I-40, INTERCHANGE AT SR13 WESTBOUND EXIT RAMP, LM 8.21

CONSTRUCTION

STATE HIGHWAY NO. 40 F.A.H.S. NO. I-40

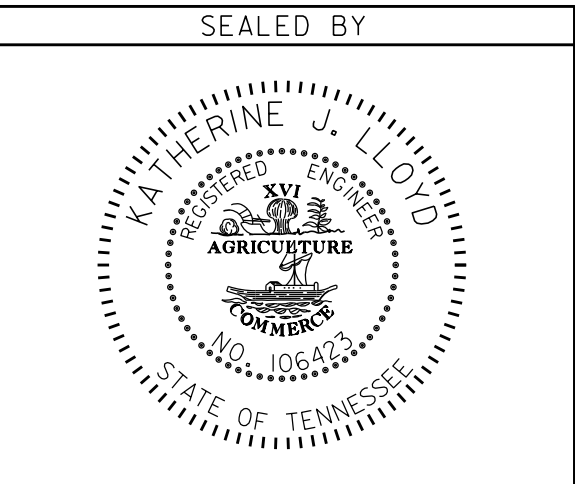


PHSIP-I-40-3(160)  
PROJECT NO. 43001-3157-44

PHSIP-I-40-3(160)  
END PROJ. NO. 43001-3157-44 CONST.  
STA. 47+67.73  
N 568183.4123  
E 1435056.7697

PHSIP-I-40-3(160)  
BEGIN PROJ. NO. 43001-3157-44 CONST.  
STA. 28+00.00 I-40  
N 567570.9824  
E 1436827.3387

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NOT FOR  
BIDDING



NO EXCLUSIONS  
NO EQUATIONS

SR13 TRAFFIC DATA	
ADT (2016)	7150
ADT (2036)	8580
DHV (2036)	810
D	50 - 50
T (ADT)	15 %
T (DHV)	10 %
V	55 MPH

I40 RAMP TRAFFIC DATA	
ADT (2016)	2750
ADT (2036)	3290
DHV (2036)	296
D	50 - 50
T (ADT)	15 %
T (DHV)	10 %
V	45 MPH

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

DATE: \_\_\_\_\_

APPROVED: John Schroer  
JOHN SCHROER, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: \_\_\_\_\_  
DIVISION ADMINISTRATOR DATE

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.

C.E. MANAGER I ROBERT BRAUN P.E. LARRY PARKER  
DESIGNER DARELL BRIDGES CHECKED BY BRADLEY MARTIN P.E.  
P.E. NO. 43001-1157-44 DESIGN  
PIN NO. 119674.00

ROADWAY LENGTH 0.372 MILES  
BRIDGE LENGTH 0.000 MILES  
BOX BRIDGE LENGTH 0.000 MILES  
PROJECT LENGTH 0.372 MILES

SURVEY RECEIVED: 1-23-2014

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STANDARD ROADWAY DRAWINGS

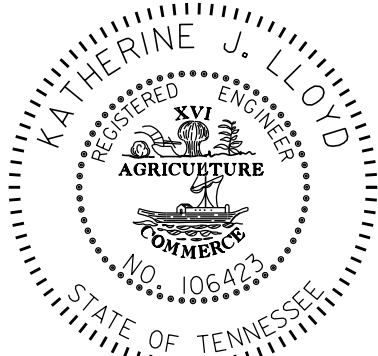
DWG. NO	REV.	DESCRIPTION
ROADWAY DESIGN STANDARDS		
RD-A-1	12-18-99	STANDARD ABBREVIATIONS
RD-L-1	10-26-94	STANDARD LEGEND
RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
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D-PE-18B		18" CONCRETE ENDWALL CROSS DRAIN
D-PE-24A	01-06-15	24" CONCRETE ENDWALL CROSS DRAIN
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ROADWAY AND PAVEMENT APPURTENANCES		
RP-J-1	10-26-00	PORTLAND CEMENT CONCRETE PAVEMENT JOINT TYPES AND SPACING
RP-J-5	07-01-01	TYPICAL ACCELERATION AND DECELERATION LANE JOINT TYPES AND SPACING FOR CONCRETE RAMPS
RP-J-7	07-14-14	CONCRETE RAMP JOINT TYPES AND SPACING
RP-J-9	02-02-12	CONTRACTION AND CONSTRUCTION JOINTS FOR CONCRETE PAVEMENT
RP-J-11	07-29-96	3/4" AND 1-3/4" EXPANSION AND EDGE PAVEMENT JOINTS
RP-J-13	03-20-91	3/4" AND 1-3/4" ELASTOMERIC COMPRESSION JOINT SEALS

DWG. NO	REV.	DESCRIPTION
RP-J-15	01-19-02	LONGITUDINAL CONTRACTION AND CONSTRUCTION JOINTS
RP-J-17	02-02-12	DOWEL ASSEMBLY DEVICES
RP-J-18	02-02-12	DOWEL ASSEMBLY DEVICES
RP-J-19	02-02-12	DOWEL ASSEMBLY DEVICES
RP-R-1	05-27-01	STANDARD RAMPS TO SIDE ROADS
SAFETY APPURTENANCES AND FENCE		
S-CC-1	08-26-15	CRASH CUSHION
S-CZ-1		CLEAR ZONE CRITERIA
S-F-1	05-24-12	HIGH VISIBILITY FENCE
S-F-10	06-01-09	STANDARD RIGHT-OF-WAY STOCK FENCE
S-GR31-1	12-01-14	W-BEAM GUARDRAIL
S-GRT-2P		EARTH PAD FOR TYPE 38 TERMINAL
S-GRA-3	05-01-15	GUARDRAIL ANCHOR FOR TYPE 12, 13 AND IN-LINE TERMINALS
S-GRT-4	04-23-15	TYPE 13 GUARDRAIL TERMINAL (TRAILING END)
S-GRT-2	11-03-14	TYPE 38 GUARDRAIL TERMINAL
S-PL-2		SAFETY PLAN AT SIDEROADS OR PRIVATE DRIVES
S-RP-2	01-19-99	STANDARD CONCRETE RIGHT-OF-WAY MARKERS
TRAFFIC CONTROL APPURTENANCES		
T-FAB-1	05-27-97	FLASHING YELLOW ARROW BOARD
T-L-1	12-04-13	STANDARD LIGHTING FOUNDATION DETAILS
T-L-1TM		STANDARD LIGHTING DETAILS TENON MOUNTED OFFSET LIGHTING SUPPORTS
T-L-3	04-15-96	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	05-25-11	STANDARD LIGHTING DETAILS CONDUIT, CABLE INSTALLATION
T-M-4	07-24-14	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-5	04-23-13	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-6	06-22-12	MARKING DETAIL FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-7	01-12-12	GORE MARKING DETAILS FOR EXPRESSWAY & FREEWAY INTERCHANGES
T-M-8	01-12-12	MARKING DETAILS FOR EXPRESSWAYS & FREEWAYS
T-M-9	11-01-11	MARKING DETAILS FOR RAMP INTERSECTIONS
T-PBR-2	11-01-11	DETAIL FOR VERTICAL PANELS AND FLEXIBLE DELINEATORS
T-S-6	02-12-91	STANDARD MOUNTING DETAILS - BOLTED EXTRUDED PANELS
T-S-7	02-12-91	HIGHWAY SHIELDS USED ON INTERSTATE AND U.S. NUMBERED ROUTES
T-S-8	07-15-91	HIGHWAY SHIELDS USED ON STATE NUMBERED ROUTES AND ARROWS
T-S-9	06-10-14	STANDARD LAYOUT - GROUND MOUNTED SIGNS
T-S-10	04-04-12	STANDARD MOUNTING DETAILS - FLAT SHEET SIGNS, ALUMINUM-STEEL DESIGN
T-S-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

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1-40-3(160)	1A

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INDEX  
AND  
STANDARD  
DRAWINGS



STANDARD ROADWAY DRAWINGS CONTINUED

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1-40-3(160)	1A1

DWG. NO    REV.        DESCRIPTION

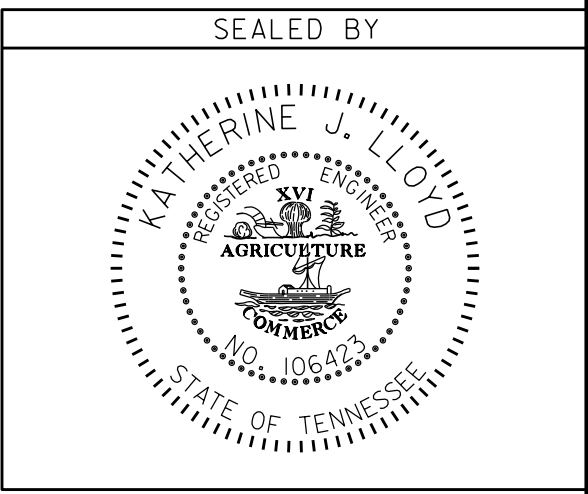
TRAFFIC CONTROL APPURTENANCES CONTINUED

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 AND 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 U-POST SIGN SUPPORTS
T-WZ-10	04-02-12	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-16	03-13-09	LANE SHIFT ON DIVIDED HIGHWAYS AND FREEWAYS

EROSION PREVENTION AND SEDIMENT CONTROL

EC-STR-3B	08-01-12	SILT FENCE
EC-STR-6A	08-01-12	ENHANCED ROCK CHECK DAM
EC-STR-11	08-01-12	CULVERT PROTECTION TYPE I
EC-STR-19	04-01-08	CATCH BASIN PROTECTION
EC-STR-25	08-01-12	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-STR-27	08-01-12	TEMPORARY SLOPE DRAIN AND BERM
EC-STR-34	08-01-12	EROSION CONTROL BLANKET FOR SLOPE INSTALLATION
EC-STR-37	08-01-12	SEDIMENT TUBE
S-F-1	05-24-12	HIGH VISIBILITY FENCE

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

STANDARD  
DRAWINGS



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ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
201-01	CLEARING AND GRUBBING	LS	1
202-01	REMOVAL OF STRUCTURES	LS	1
202-03.03	REMOVAL OF ASPHALT PAVEMENT	C.Y.	158
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	1983
203-02.01	BORROW EXCAVATION (GRADED SOLID ROCK)	TON	4839
203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	10325
203-06	WATER	M.G.	41
204-08.01	BACKFILL MATERIAL (FLOWABLE FILL)	C.Y.	59
209-02.03	8" TEMPORARY SLOPE DRAIN	L.F.	60
209-05	SEDIMENT REMOVAL	C.Y.	134
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	2685
209-08.08	ENHANCED ROCK CHECK DAM	EACH	8
209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	1
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	6422
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	9
307-01.01	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING A	TON	197
307-01.08	ASPHALT CONCRETE MIX (PG64-22) (BPMB-HM) GRADING B-M2	TON	396
313-03	TREATED PERMEABLE BASE	S.Y.	3519
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	8
402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	30
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	2
411-01.07	ACS MIX (PG64-22) GRADING E SHOULDER	TON	108
411-01.10	ACS MIX(PG64-22) GRADING D	TON	206
411-03.23	ACS MIX (PG76-22) OGFC	TON	276
411-12.01	SCORING SHOULDERS (CONTINUOUS) (16IN WIDTH)	L.M.	1
415-01.02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	5000
501-01.03	PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 10"	S.Y.	3119
502-03.13	CONCRETE PAVEMENT REMOVAL	S.Y.	848
607-03.02	18" CONCRETE PIPE CULVERT (CLASS III)	L.F.	49
607-05.02	24" CONCRETE PIPE CULVERT (CLASS III)	L.F.	38
607-06.02	30" CONCRETE PIPE CULVERT (CLASS III)	L.F.	76
611-07.55	18IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
611-07.56	18IN ENDWALL (CROSS DRAIN) 6:1	EACH	1
611-07.58	24IN ENDWALL (CROSS DRAIN) 4:1	EACH	1
611-07.62	30IN ENDWALL (CROSS DRAIN) 6:1	EACH	1
611-42.02	CATCH BASINS, TYPE 42, > 4' - 8' DEPTH	EACH	1
621-01.01	TEMPORARY STRUCTURE (TEMPORARY RAMP)	LS	1
705-02.02	SINGLE GUARDRAIL (TYPE 2)	L.F.	1219
705-04.03	GUARDRAIL TERMINAL (TYPE 13)	EACH	1
705-04.07	TAN ENERGY ABSORBING TERM (NCHRP 350, TL3)	EACH	2
705-04.09	EARTH PAD FOR TYPE 38 GR END TREATMENT	EACH	2
705-08.51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	2
706-01	GUARDRAIL REMOVED	L.F.	915
706-06.03	RADIUS RAIL	L.F.	81
707-03.01	STOCK FENCE	L.F.	822
707-03.02	END, BRACED LINE, CORNER POST ASSEMBLY(STOCK FENCE)	EACH	4
707-06.01	REMOVAL OF FENCE (DESCRIPTION)	L.F.	1107
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1700
708-02.01	MARKERS (CONCRETE R.O.W. POSTS)	EACH	3
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	50
709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	30
709-05.08	MACHINED RIP-RAP (CLASS B)	TON	16
709-05.09	MACHINED RIP-RAP (CLASS C)	TON	23
710-02	AGGREGATE UNDERDRAINS (WITH PIPE)	L.F.	1750
710-05	LATERAL UNDERDRAIN	L.F.	306
710-06.15	LATERAL UNDERDRAIN ENDWALL (6:1)	EACH	9
712-01	TRAFFIC CONTROL	LS	1
712-02.02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	4200
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	60
712-04.50	PORTABLE BARRIER RAIL DELINEATOR	EACH	90
712-05.03	WARNING LIGHTS (TYPE C)	EACH	24
712-06	SIGNS (CONSTRUCTION)	S.F.	310
712-06.01	VERTICAL PANELS	S.F.	40
712-08.03	ARROW BOARD (TYPE C)	EACH	1
713-01.01	CLASS A CONCRETE (FOUNDATION FOR SIGN SUPPORTS)	C.Y.	3
713-01.02	STEEL BAR REINFORCEMENT(FOUNDATION FOR SIGN SUPPORTS)	LB.	801
713-02.14	FLEXIBLE DELINEATOR (WHITE)	EACH	60
713-11.01	"U" SECTION STEEL POSTS	LB.	92
713-11.02	PERFORATED/KNOCKOUT SQUARE TUBE POST	LB.	514
713-13.02	FLAT SHEET ALUMINUM SIGNS (0.080" THICK)	S.F.	55

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713-13.03	FLAT SHEET ALUMINUM SIGNS (0.100" THICK)	S.F.	48
713-14	EXTRUDED ALUMINUM PANEL SIGNS	S.F.	333
713-15	REMOVAL OF SIGNS, POSTS AND FOOTINGS	LS	1
713-16.01	CHANGEABLE MESSAGE SIGN UNIT	EACH	2
713-16.21	SIGNS (ADVISORY SPEED 60MPH, 55MPH)	EACH	4
714-03	JACKED OR BORED CONDUIT	L.F.	40
714-03.01	DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	L.F.	1755
714-05.04	PULL BOXES (TYPE C)	EACH	3
714-05.46	WOOD POLE (35' LENGTH)	EACH	1
714-06.04	CABLE (1/C # 8 AWG)	L.F.	385
714-06.06	CABLE (1/C # 4 AWG)	L.F.	3950
714-06.08	CABLE (# 8 SOLID COPPER SOFT DRAWN) (GROUND)	L.F.	45
714-06.09	CABLE (# 8 COPPER SOFT DRAWN BARE) (GROUND)	L.F.	1930
714-08.05	LIGHT STANDARDS (ALUMINUM)	EACH	3
714-08.10	LIGHT STANDARDS (120' HIGH MAST)	EACH	1
714-08.46	FOUNDATION (ONLY) FOR HIGH MAST LIGHT STANDARD	EACH	1
714-09.03	LUMINAIRES (250 WATT)	EACH	3
714-09.06	LUMINAIRES (1000 WATT - HIGH MAST)	EACH	8
714-09.09	LUMINAIRES (1000 WATT - HIGH MAST)	EACH	8
714-09.10	LUMINAIRES (250 WATT)	EACH	3
714-12.10	RELOCATION OF CONTROL CENTER	LS	1
714-25	ELECTRICAL CONNECTION	EACH	1
716-01.07	TEMPORARY RAISED PAVEMENT MARKER, YELLOW	EACH	60
716-01.22	Snwplwble Pvmr Mkrks (MONO-DIR)(1 Color)	EACH	50
716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	134
716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	50
716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	2
716-02.07	PLASTIC PAVEMENT MARKING (24" BARRIER LINE)	L.F.	32
716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	5500
716-08.01	REMOVAL OF PAVEMENT MARKING (LINE)	L.F.	3000
716-10.02	PREFORMED PLASTIC PAVEMENT MARKING (8" BARRIER LINE)	L.F.	600
716-10.15	PREFORMED PLASTIC PAVEMENT MARKING (6" LINE)	L.M.	1
716-10.16	PREFORMED PLASTIC PAVEMENT MARKING (6" DOTTED LINE)	L.F.	300
716-12.02	ENHANCED FLATLINE THERMO PVMR MRKNG (6IN LINE)	L.M.	1
717-01	MOBILIZATION	LS	1
740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	121
740-10.04	GEOTEXTILE (TYPE IV)(STABILIZATION)	S.Y.	8594
740-11.01	TEMPORARY SEDIMENT TUBE 8IN	L.F.	353
801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	160
801-03	WATER (SEEDING & SODDING)	M.G.	2
803-01	SODDING (NEW SOD) (FOR ROADWAY SLOPES)	S.Y.	8764

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7 CY FOR TEMP CONSTRUCTION EXIT, 711 CY FOR TEMP. EARTH BERM, 110 CY FROM TEMP. RAMP FOR TEMP. CONSTRUCTION EXIT

7 TONS FOR TEMPORARY SLOPE DRAIN,18 TONS FOR CROSS DRAIN OUTLET PROTECTION @ STA 46+55.02 & STA 35+53.50, 5 TONS FOR CULVERT PROTECTION TYPE I

FOR CROSS DRAIN OUTLET PROTECTION @ STA 40+87.02

FOR CROSS DRAIN OUTLET PROTECTION @ STA 30+51.64

86 SY FOR TEMP. CONSTRUCTION EXIT,35 SY FOR CULVERT PROTECTION TYPE I

TO BE USED AS DIRECTED BY THE TDOT CONST ENGINEER

"SEE SUBSECTION 209-07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT"

36' OF 18" CMP PIPE AT STA 3+50.00 ON TEMPORARY RAMP

"QUANTITY IS BASED ON MINIMUM CALCULATED LENGTH. ACTUAL LENGTH REQUIRED WILL BE DETERMINED BASED ON FIELD CONDITION ENCOUNTERED. THE BIDDER IS RESPONSIBLE FOR VERIFYING ESTIMATED LENGTHS PRIOR TO SUBMITTING THEIR BID. ADDITIONAL LENGTH, IF ANY, REQUIRED BY ACTUAL FIELD MEASUREMENTS WILL BE INSTALLED AT NO ADDITIONAL COST. ALL COSTS SHALL BE INCLUDED IN THE BID PRICE FOR THESE ITEMS."

FOR CULVERT PROTECTION TYPE I

REMOVAL OF ENDWALL (STA. 30+53.31 RT, STA. 35+53.27 RT, STA. 40+77.41 LT, STA. 47+03.00 RT)

"THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF NCHRP 350 FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS SHOWN ON THE MANUFACTURER'S DRAWING."

"CONTRACTOR SHALL USE THE RIBBON METHOD FOR APPLICATION."

FOR OVERLAY OF I-40 AT 1.25" DEPTH

COLD PLANING OF I-40 AT 1.25" DEPTH

INCLUDE REMOVING OF ALL THE EXISTING SIGNS-THAT ARE REPLACED IN THE SIGN SCHEDULE WITHIN THE PROJECT OR AS DIRECTED BY THE ENGINEER-AND RESTORING OF GROUND TO ORIGINAL CONDITIONS.

FOR REMOVAL OF TEMPORARY RAMP

FOR REMOVAL OF EXISTING GORE

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1-40-3(160)	2

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ESTIMATED  
ROADWAY  
QUANTITIES

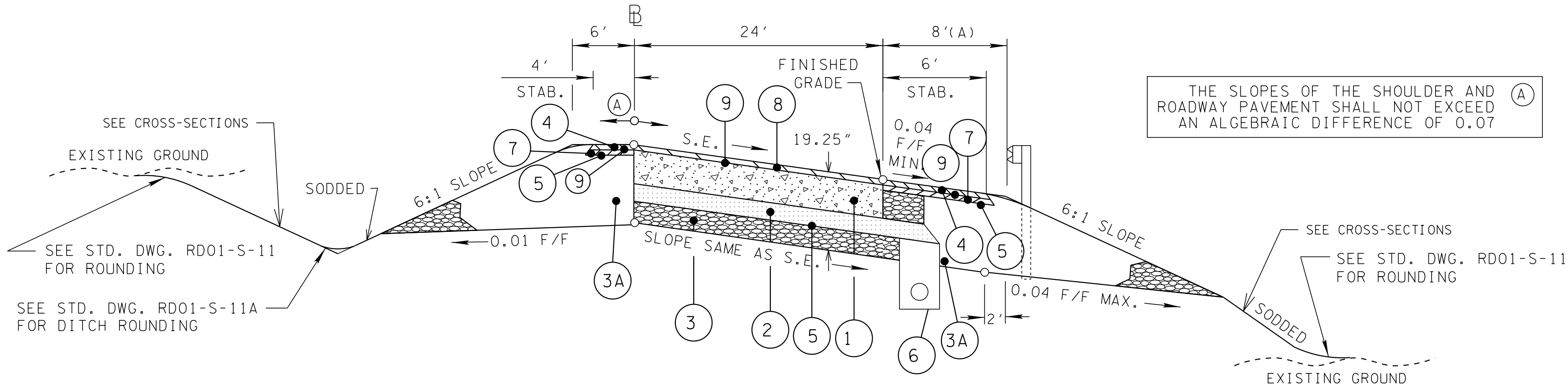
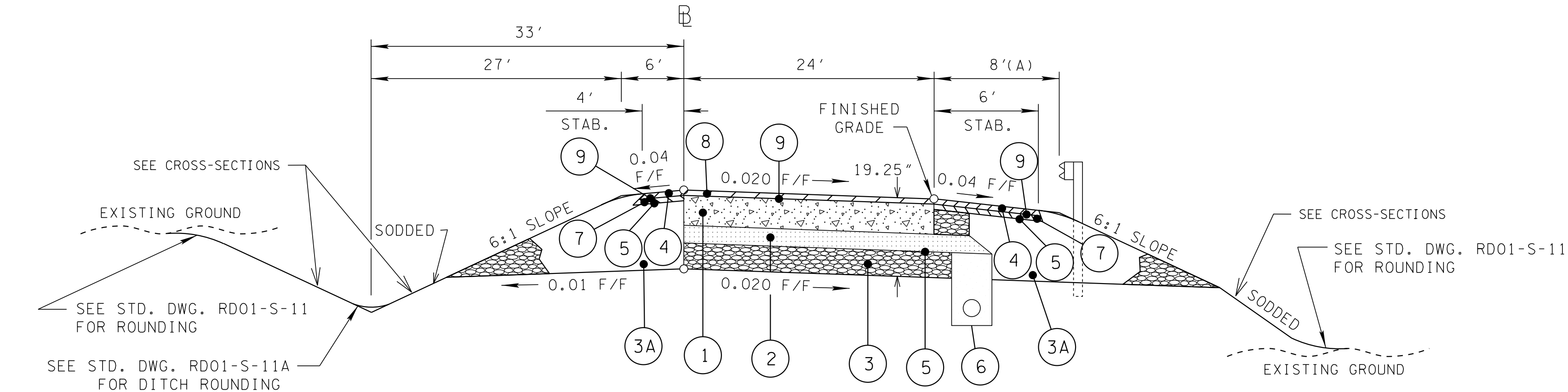


TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	2
CONST	2016	PHSIP I-40-3(160)	2A

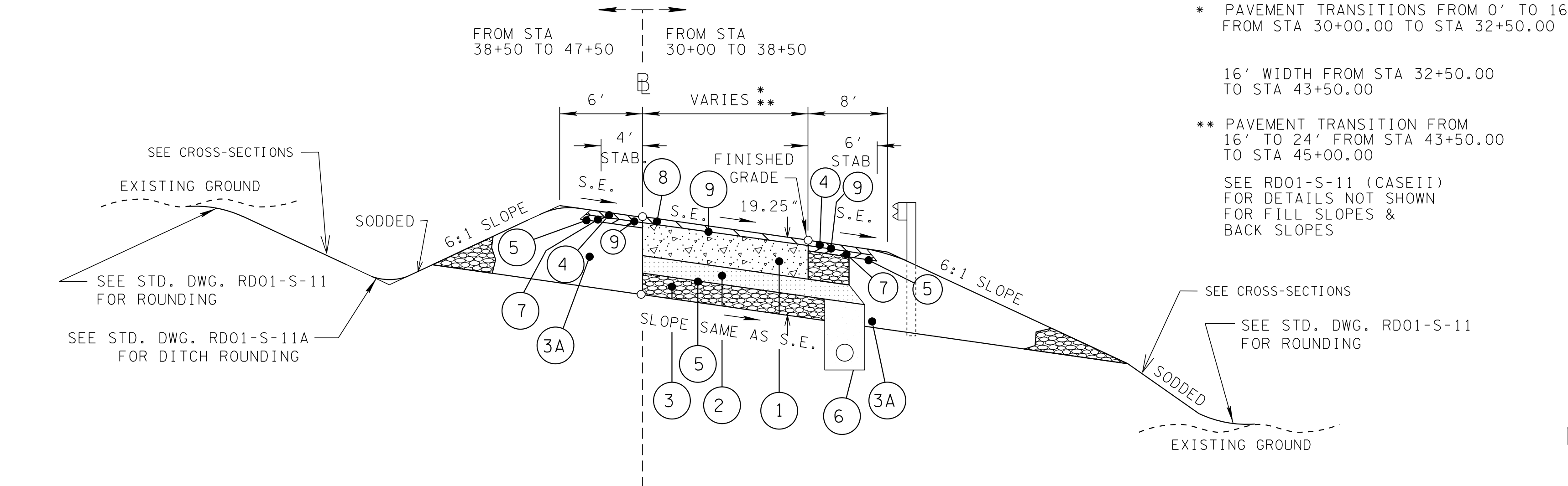
**TANGENT SECTION**  
(BASED ON STD. DWG. RD01-TS-4)  
I-40 WESTBOUND EXIT RAMP 143  
STA 45+68.83 - TIE TO EOP

SUPERELEVATION TRANSITIONS FROM  
FULL SUPER OF -0.056 AT STA 44+87.12  
TO -0.0200 AT STA 45+68.83

(A)  
FULL SHOULDER WIDTH NOT  
USED BECAUSE LIMITED  
LENGTH OF 24' WIDTH RAMP



**SUPERELEVATED SECTION**  
(BASED ON STD. DWG. RD01-TS-4)  
I-40 WESTBOUND EXIT RAMP 143  
STA 45+00.00 TO STA 45+68.83



\* PAVEMENT TRANSITIONS FROM 0' TO 16'  
FROM STA 30+00.00 TO STA 32+50.00

16' WIDTH FROM STA 32+50.00  
TO STA 43+50.00

\*\* PAVEMENT TRANSITION FROM  
16' TO 24' FROM STA 43+50.00  
TO STA 45+00.00

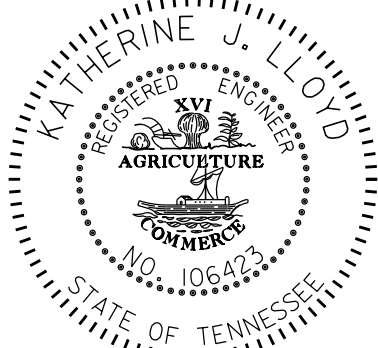
SEE RD01-S-11 (CASEII)  
FOR DETAILS NOT SHOWN  
FOR FILL SLOPES &  
BACK SLOPES

**SUPERELEVATED SECTION**  
(BASED ON STD. DWG. RD01-TS-4)  
I-40 WESTBOUND EXIT RAMP 143  
STA 30+57.29 TO STA 45+00.00

NOTE: SEE SHEET NO. 2A FOR PROPOSED PAVEMENT SCHEDULE

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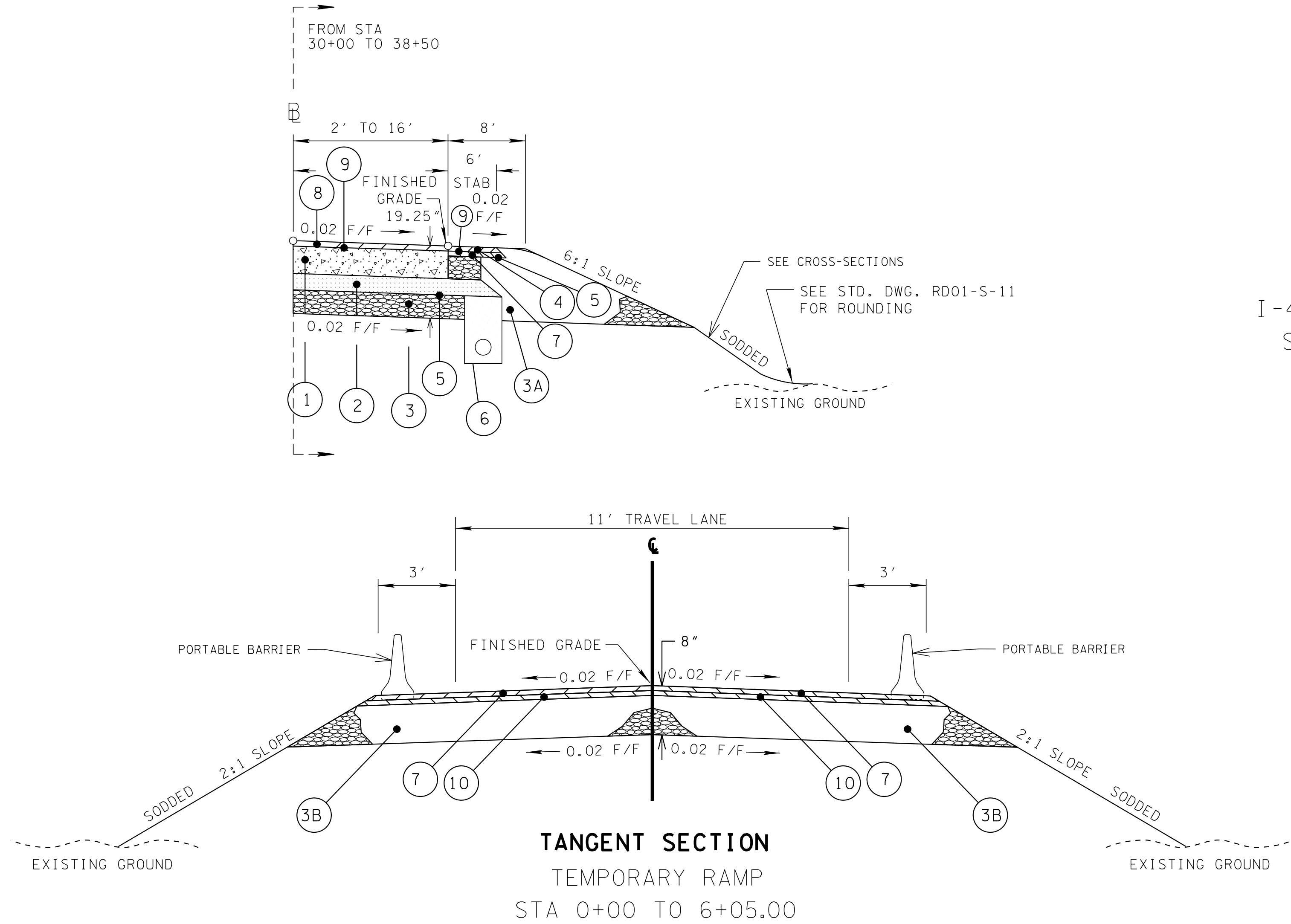
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DEPARTMENT OF TRANSPORTATION

**TYPICAL  
SECTIONS**

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1-40-3(160)	2B




**TANGENT SECTION**  
(BASED ON STD. DWG. RD01-TS-4)  
I-40 WESTBOUND EXIT RAMP 143  
STA 30+00 TO STA 30+57.29

PROPOSED PAVEMENT SCHEDULE	
① 10" THICK CONCRETE 501-01.03 PORTLAND CEMENT CONCRETE PAVEMENT (PLAIN) 10"	⑤ PRIME COAT 402-01 BIT. MATERIAL FOR PRIME COAT (PC) (0.30-0.35 GAL/SQ.YD.) 402-02 AGGREGATE FOR COVER MATERIAL (PC) (8-12 LB/SQ.YD.)
② PERMEABLE BASE - 4" THICK (UNDER CONCRETE) 313-03 TREATED PERMEABLE BASE	⑥ UNDERDRAIN 710-02 AGGREGATE UNDERDRAINS (WITH PIPE) SEE STD. DWG. RD-UD-3, DETAIL "E"
③ MINERAL AGGREGATE BASE - 4" THICK 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	⑦ BINDER MIX ASPHALT CEMENT @ 2.00" TH. (226 LBS/SY) 307-01.08 GRADING B-M2 SHOULDERS (PG64-22)
③A MINERAL AGGREGATE BASE - 16.00" THICK 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	⑧ MIX ASPHALT CEMENT OVERLAY @ 1.25" (3816 LB/CY) 411-01.10 GRADING D SURFACE (PG 64-22)
③B MINERAL AGGREGATE BASE - 8.00" THICK 303-01 MINERAL AGGREGATE, TYPE A BASE, GRADING D	⑨ TACK COAT 403-01 BITUMINOUS MATERIAL FOR TACK COAT (0.07 GAL/SY) TACK COAT SHALL NOT BE APPLIED ON TOP OF TREATED PERMEABLE BASE
④ SURFACE - 1.25" THICK (APPROX. 154.50 LB/SQ.YD.) 411-01.07 ASPHALT CEMENT (PG64-22) (ACS) GRADING "E" SHOULDERS	⑩ BITUMINOUS AGGREGATE BASE @ 3.00" (4140 LB/CY) 307-01.01 GRADING A (PG64-22)

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TYPICAL  
SECTIONS



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## 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.

### SEEDING AND SODDING

- (1)

ALL EXISTING ROADS WITHIN THE RIGHT-OF-WAY AND NOT IN THE GRADED AREA THAT ARE TO BE ABANDONED SHALL BE SCARIFIED, OBLITERATED, TOPSOILED AND SEEDED. SCARIFYING AND OBLITERATING THE PAVEMENT WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS. TOPSOIL, IN ACCORDANCE WITH SECTION 203 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEMS 203-04 AND/OR 203-07. SEEDING, IN ACCORDANCE WITH SECTION 801 OF THE STANDARD SPECIFICATIONS, WILL BE MEASURED AND PAID FOR UNDER ITEM 801-01.
- (2)

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

### 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.
- (3)

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

### DRAINAGE

- (1)

THE CONTRACTOR SHALL SHAPE DITCHES TO THE SPECIFIED DESIGN. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.
- (2)

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).
- (3)

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.
- (4)

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.

### FENCING

- (1)

LOCATION OF THE FENCE SHALL BE ONE FOOT INSIDE THE RIGHT-OF-WAY EXCEPT WHERE SHOWN ON THE PLANS.
- (2)

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

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

### PAVEMENT MARKINGS

#### TEMPORARY PAVEMENT MARKING 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. 716-05.02, PAINTED PAVEMENT MARKING (8" BARRIER LINE), L.F.

#### FINAL PAVEMENT MARKING IF 6” ENHANCED FLATLINE THERMOPLASTIC IS USED

- (2)

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

- (3)

THE PAVEMENT MARKING ON THE LANE SHIFT FOR LANE LINES AND EDGE LINES WILL BE INSTALLED AND MAINTAINED TO THE SAME STANDARDS AS FOR PERMANENT MARKINGS ON THE MAIN ROADWAY. THESE MARKINGS SHALL BE IN PLACE PRIOR TO ALLOWING TRAFFIC ONTO THE PAVEMENT. THESE PAVEMENT MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716-05.02 PAINTED PAVEMENT MARKING (8” BARRIER LINE), LIN. FT.

### 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 ROADWAY DESIGN DIVISION, SIGNING AND MARKING SECTION, TELEPHONE NO. (615)-741-0982. 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 ROADWAY DESIGN DIVISION, SIGNING AND MARKING SECTION, SUITE 1300, 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.

### TRAFFIC CONTROL DIRECTIONAL SIGNING

- (1)

ON ALL ACCESS CONTROLLED AND INTERSTATE RECONSTRUCTION AND NEW CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL UTILIZE ALL EXISTING DIRECTIONAL SIGNING FOR AS LONG AS POSSIBLE. THESE EXISTING SIGNS CAN BE MOVED USING TEMPORARY SUPPORTS AS NEEDED. AS SOON AS THESE EXISTING DIRECTIONAL SIGNS COME DOWN PERMANENTLY, THE CONTRACTOR SHALL HAVE UP AT LEAST ONE NEW TEMPORARY “ADVANCE GUIDE SIGN” AND ONE NEW TEMPORARY “EXIT DIRECTIONAL SIGN” AT ALL EXIT RAMPS. THESE SIGNS ARE TO BE MAINTAINED WITHIN CLEAR VIEW OF THE PUBLIC ON THE RIGHT SIDE OF THE HIGHWAY AND SHALL BE REPLACED IF DAMAGED, DURING ALL PHASES OF CONSTRUCTION, AS DIRECTED BY THE ENGINEER.
- (2)

THE SIZE OF THESE NEW TEMPORARY SIGNS WILL BE DETERMINED BY THE MESSAGE. THE MESSAGE SHALL BE THE SAME AS THE EXISTING SIGN THAT THESE NEW TEMPORARY SIGNS WILL BE REPLACING. THE LETTER SIZE SHALL BE A MINIMUM OF 8 INCH, “D” UPPER CASE LETTER. THE DIRECTIONAL ARROW WILL BE A “B” ARROW AT A 45 DEGREE ANGLE (SAME ANGLE AS THE EXISTING ARROW). THE MATERIAL SHALL BE 0.100 INCH SHEET ALUMINUM; THE COLOR SHALL BE A REFLECTIVE GREEN BACKGROUND WITH REFLECTIVE WHITE COPY.
- (3)

ALL WORK AND MATERIAL TO MAKE THESE NEW TEMPORARY DIRECTIONAL SIGNS ALONG WITH ADEQUATE SUPPORTS AND TO MOVE THEM AS NEEDED DURING EACH PHASE OF CONSTRUCTION WILL BE PAID FOR UNDER ITEM NO. 712-06, AS DIRECTED BY THE ENGINEER.
- (4)

SOME OF THESE DIRECTIONAL SIGNS WILL NEED AN INTERSTATE, U.S., OR A STATE HIGHWAY SHIELD, A CARDINAL DIRECTION, AND A DIRECTION ARROW TO ACCOMPANY THE DIRECTIONAL SIGN. THESE SIGNS SHALL BE MOUNTED BELOW THE DIRECTIONAL SIGN.
- (5)

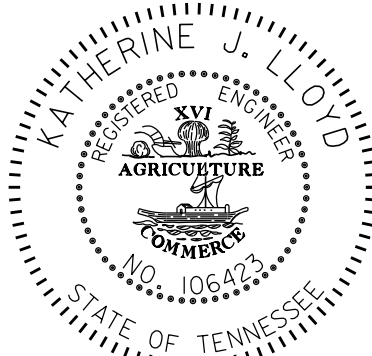
ALL EXISTING “EMERGENCY REFERENCE MARKERS” AND “HOSPITAL SIGNS” SHALL BE MAINTAINED WITHIN FULL VIEW OF THE MOTORING PUBLIC THROUGHOUT ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING AND TEMPORARY SUPPORTS SHALL BE PAID FOR UNDER ITEM NO. 712-06.
- (6)

WHEN EXISTING “TOURIST ORIENTED DIRECTIONAL SIGNS” (TODS) ARE ON NON-ACCESS CONTROLLED CONSTRUCTION PROJECTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THESE SIGNS IN FULL VIEW TO THE MOTORING PUBLIC DURING ALL PHASES OF CONSTRUCTION. ALL WORK IN MOVING THESE “TODS” AND TEMPORARY SUPPORTS ARE TO BE PAID FOR UNDER ITEM NO. 712-06, AS DIRECTED BY THE ENGINEER. NEW SUPPORTS AND SIGN FACE FOR FINAL LOCATION WILL BE PAID FOR UNDER OTHER ITEMS OF CONSTRUCTION.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1 - 40-3(160)	2C

UNOFFICIAL  
SET  
NOT FOR  
BIDDING

SEALED BY



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

GENERAL  
NOTES



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GENERAL NOTES CONTINUED

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 A OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT’S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT’S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE.. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER’S APPROVAL TO USE THEM.
- (7)

ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- (8)

ALL DETOURS SHALL BE PAVED, STRIPED, SIGNED AND THE VERTICAL PANELS ARE TO BE IN PLACE BEFORE IT IS OPENED TO TRAFFIC.

EROSION PREVENTION AND SEDIMENT CONTROL  
DISTURBED AREA

- (1)

AREAS TO BE UNDISTURBED SHALL BE CLEARLY MARKED IN THE FIELD BEFORE CONSTRUCTION ACTIVITIES BEGIN. THE TOTAL AREA TO BE DISTURBED NOT INCLUDING EXCLUSIVE BORROW/WASTE AREAS AND STAGING AREAS IS 4.99 ACRES. IF THE TOTAL DISTURBED AREA FOR THE PROJECT SITE (INCLUDING STAGING AND EXCLUSIVE WASTE/BORROW AREAS) INCREASES TO MORE THAN 1 ACRE, THEN THE NATURAL RESOURCES OFFICE OF THE ENVIRONMENTAL DIVISION MUST BE NOTIFIED SO THAT A SWPPP CAN BE PREPARED.
- (2)

PRE-CONSTRUCTION VEGETATIVE GROUND COVER SHALL NOT BE DESTROYED, REMOVED OR DISTURBED (I.E. CLEARING AND GRUBBING INITIATED) MORE THAN 15 CALENDAR DAYS PRIOR TO GRADING OR EARTH MOVING ACTIVITIES UNLESS THE AREA IS MULCHED, SEEDED WITH MULCH, OR OTHER TEMPORARY COVER IS INSTALLED.

- (3)

CLEARING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EQUIPMENT OPERATIONS. EXISTING VEGETATION SHOULD BE PRESERVED TO THE MAXIMUM EXTENT POSSIBLE. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.
- (4)

ALL DISTURBED AREAS SHALL BE PROPERLY STABILIZED AS SOON AS PRACTICABLE. PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS.
- (5)

CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENUDED SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION.

SEDIMENT CONTROL

- (6)

EPSC MEASURES SHALL BE INSTALLED AND FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS, AND SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- (7)

THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT ON ROADWAYS USED BY THE GENERAL PUBLIC. IF SEDIMENT ESCAPES THE CONSTRUCTION SITE, OFF-SITE ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED AT A FREQUENCY 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.
- (8)

WATER PUMPED FROM WORK AREAS AND EXCAVATION MUST BE HELD IN SETTLING BASINS OR TREATED BY FILTRATION OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE INTO SURFACE WATERS. ALL PHYSICAL AND/OR CHEMICAL TREATMENT WILL BE APPLIED IN ACCORDANCE WITH MANUFACTURER’S GUIDELINES AND FULLY DESCRIBED IN THE EPSC PLANS. WATER MUST BE HELD IN SETTLING BASINS UNTIL AT LEAST AS CLEAR AS THE RECEIVING WATERS. SETTLING BASINS SHALL NOT BE LOCATED CLOSER THAN 20 FEET FROM THE TOP BANK OF A STREAM. SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED ACCORDING TO THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED. TREATED WATER MUST BE DISCHARGED THROUGH A PIPE OR WELL- VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT. DISCHARGES FROM BASINS AND IMPOUNDMENTS SHALL UTILIZE OUTLET STRUCTURES THAT ONLY WITHDRAW WATER FROM NEAR THE SURFACE OF THE BASIN OR IMPOUNDMENT. DISCHARGES MUST NOT CAUSE AN OBJECTIONABLE COLOR CONTRAST WITH THE RECEIVING STREAM.
- (9)

CHECK DAMS SHALL BE USED WHERE RUNOFF IS CONCENTRATED. CLEAN ROCK, BRUSH, GABION, OR SANDBAG CHECK DAMS SHALL BE PROPERLY CONSTRUCTED TO REDUCE VELOCITY AND CONTROL EROSION.
- (10)

OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION ACCESS (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED, AS NEEDED, TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- (11)

TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REPLACED AT THE END OF THE WORKDAY.

INSPECTION, MAINTENANCE, REPAIR

- (12)

EPSC CONTROLS WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES.
- (13)

INSPECTION, REPAIR, AND MAINTENANCE OF EPSC MEASURES/STRUCTURES IS TO BE PERFORMED ON A REGULAR BASIS. SEDIMENT SHALL BE REMOVED FROM SEDIMENT CONTROL STRUCTURES WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT (50%). DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EPSC MEASURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR’S OWN EXPENSE.
- (14)

SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES SHALL BE PLACED AND BE TREATED IN A MANNER SO THAT THE SEDIMENT IS CONTAINED WITHIN THE PROJECT LIMITS AND DOES NOT MIGRATE INTO

WATERS OF THE STATE/U.S. COST FOR THIS TREATMENT IS TO BE INCLUDED IN PRICE BID FOR ITEM NO. 209-05 SEDIMENT REMOVAL, C.Y.

- (15)

DISCHARGE POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO SURROUNDING WATERS. WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWNSTREAM LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACKING.
- (16)

THE TDOT PROJECT SUPERVISOR (OR THEIR DESIGNEE) AND THE CONTRACTOR’S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- (17)

EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE.

MATERIALS AND STAGING

- (18)

WASTE AND BORROW AREAS SHALL BE LOCATED IN NON-WETLAND AREAS AND ABOVE THE 100-YEAR, FEDERAL EMERGENCY MANAGEMENT AGENCY FLOODPLAIN. BORROW AND WASTE DISPOSAL AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE/U.S. UNLESS THESE AREAS ARE SPECIFICALLY COVERED BY AN ARAP, 404, OR NPDES PERMIT, OBTAINED SOLELY BY THE CONTRACTOR.
- (19)

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 STAGING AREAS TO BE USED. ANY SUCH PERMITS SHALL BE SUPPLIED TO THE TDOT PROJECT RESPONSIBLE PARTY PRIOR TO THE USE OF THE PERMITTED AREAS.

PERMITS, PLANS, RECORDS

- (20)

THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING THE OPERATION OF ANY PROJECT-DEDICATED ASPHALT AND/OR CONCRETE PLANTS.
- (21)

ANY DISAGREEMENT BETWEEN THE PROJECT 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.
- (22)

IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE ENVIRONMENTAL DIVISION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS OR MODIFICATIONS OF THE SWPPP ARE NEEDED. THE ROADWAY DESIGN DIVISION SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.

LITTER, DEBRIS, WASTE, PETROLEUM

- (23)

THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE/U.S. THESE MATERIALS WILL BE PICKED UP AND REMOVED FROM STORMWATER EXPOSURE PRIOR TO ANTICIPATED STORM EVENTS. AFTER USE, MATERIALS USED FOR EPSC WILL BE REMOVED FROM THE SITE.
- (24)

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 (NFPA). APPROPRIATE CONTAINMENT MEASURES FOR THESE AREAS SHALL BE USED. 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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHS1 P-1 - 40-3(160)	2D

UNOFFICIAL  
SET  
NOT FOR  
BIDDING

SEALED BY



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

GENERAL  
NOTES  
CONTINUED



## SPECIAL NOTES

### EROSION PREVENTION AND SEDIMENT CONTROL

#### NPDES

- (1) REFER TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN, SHEET 8, FOR NOTES REGARDING SEASONAL WORK LIMITATION OR LIMITATION ON THE TOTAL AREA OF EXPOSED SOIL.

#### ENVIRONMENTAL

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

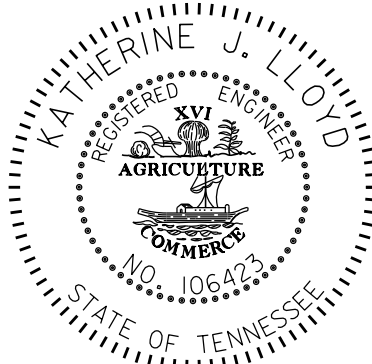
#### ECOLOGY

- (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.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1-40-3(160)	2E

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DEPARTMENT OF TRANSPORTATION

SPECIAL  
NOTES

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1-40-3(160)	2F

PROPOSED GUARDRAIL															
SHEET  NO.	LOCATION	SIDE		STATION		GUARDRAIL				TERMINAL ANCHORS					REMARKS
						BRIDGE ENDS	BRIDGE PIERS	SINGLE	RADIUS	TYPE 12	TYPE 13	TYPE 21	TYPE	TYPE 38	
		LT	RT	FROM	TO	705-01.01 (L.F.)	705-01.02 (L.F.)	705-02.02 (L.F.)	706-06.03 (L.F.)	705-04.02 (EACH)	705-04.03 (EACH)	705-04.04 (EACH)	705-04.05 (EACH)	705-04.07 (EACH)	
(1)	4A	RAMP & SR13		X	41+84.69	47+67.73			581.25	81.25				1	
	5A	RAMP		X	29+69.50	36+57.00			637.5		1			1	
TOTALS						0	0	1218.75	81.25	0	1	0	0	2	


(1) IF NEEDED, 100 FT OF ITEM 705-02.02 OF GUARDRAIL IS AVAILABLE TO REPLACE EXISTING GUARDRAIL ALONG SR-13

PAVEMENT QUANTITIES											
LOCATION	PAY ITEMS										
	303-01 (TON)	313-03 (SY)	307-01.01 (TON)	307-01.08 (TON)	402-01 (TON)	402-02 (TON)	403-01 (TON)	411-01.07 (TON)	411-01.10 (TON)	411-03.23 (TON)	501-01.03 (SY)
DETOUR	535		197	207							
PROPOSED RAMP	5887	3519		189	8	30	2	108	206		3119
I-40 OVERLAY										276	
TOTAL	6422	3519	197	396	8	30	2	108	206		3119

ESTIMATED GRADING QUANTITIES								
STATION TO STATION	ROAD & DRAINAGE EXC. (UNCL.)		BORROW EXCAVATION		CHANNEL EXC. C.Y.	EXCESS EXC. WASTE C.Y.	EMB.	
	(1) COMMON - C.Y.	S. ROCK - C.Y.	UNCL. - C.Y.	S. ROCK - C.Y.			COMMON C.Y. (2)	GRADED SOLID ROCK C.Y.
	30+00 TO 47+50	1983	0	8600	4839	0	10325	4839
TOTALS	1983	0	8600	4839	0	0	10325	4839

SHRINKAGE FACTOR 15% SWELL FACTOR 15%  
(1) 7 C.Y. FROM CONSTRUCTION EXT, 711 C.Y. FOR TEMP. BERM, 110 C.Y. FROM TEMP. RAMP  
(2) 8867 C.Y. FOR PROPOSED RAMP, 1458 C.Y. FOR TEMP. RAMP

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DEPARTMENT OF TRANSPORTATION  
  
TABULATED  
QUANTITIES

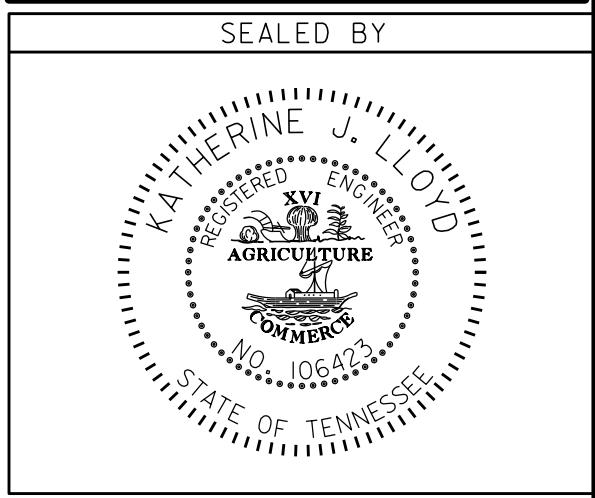
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1-40-3(160)	2G

CROSS DRAIN TABULATION																					
STATION	RCP CLASS III (L.F.) FILL HEIGHT < OR = 16 FT.					RCP CLASS IV (L.F.) FILL HEIGHT > 16 FT. AND < OR = 24 FT.					SKEW	BEDDING (CY/LF)	RIP-RAP 709-05.06 (TON)	END TREATMENT						REMARKS	
														INLET		OUTLET		CLASS A CONC. (C.Y.)	REINF. STEEL (LB.)		STRUC. STEEL (LB.)
	18"	24"	30"	36"	48"	18"	24"	30"	36"	48"				TYPE	DRAWING NO.	TYPE	DRAWING NO.				
30+51.64	24										90	0.149				U	D-PE-18B	1.49	137		6:1 SLOPE
35+53.50	25										90	0.149				U	D-PE-18B	1.08	98		4:1 SLOPE
40+87.02			76								90	0.239				U	D-PE-30B	3.29	303	186	6:1 SLOPE
46+55.02		38									49 RT	0.192				U	D-PE-24B	3.85	327		4:1 SLOPE
TOTALS	49	38	76	0	0	0	0	0	0	0			0					9.71	865	186	

CATCH BASINS											PAY ITEM	
SHEET NO.	LOCATION	STATION	OFFSET (FT.)	DRAINAGE CODE	GRATE/TOP ELEV.	STRUCTURE TYPE	INSIDE DIMENSIONS	DEPTH (FT.)	STANDARD DRAWING		TYPE 42 611-42.02 4' - 8'	
											1	
4A		40+80.68	27 LT	1	456.88	42	48"X48"	4.96	D-CB-42SB		1	
TOTALS											1	

R.O.W. MARKERS				
SHEET NO.	QUANTITIES			
	"A"	"B"	"C"	TOTALS
4	3			3
				0
				0
				0
				0
TOTALS	3	0	0	3

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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

TABULATED  
QUANTITIES

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	3
CONST	2016	PHSIP-I-40-3(160)	3

UTILITY OWNERS LIST

TELEPHONE  
AT&T  
116 SOUTH CANON AVENUE  
MURFREESBORO, TN 37129  
KENNETH KORNEGAY  
KK4096@ATT.COM  
615-848-2082

WATER & SEWER  
CITY OF WAVERLY  
101 EAST MAIN ST  
WAVERLY, TN 37185  
W.B. FRAZIER  
BFRAZIER@WAVERLY.ORG  
931-296-2101

POWER  
MERIWETHER LEWIS ELECTRIC  
1625 HIGHWAY 100  
CENTERVILLE, TN 37033  
STEVE SKELTON  
STEVE.SKELTON@MLEC.COM  
931-623-1636

CABLE  
COMCAST  
2501 MCGAVOCK PIKE  
NASHVILLE, TN 37214  
LARRY K. WINBURN  
LARRY\_WINBURN@CABLE.COMCAST.COM  
615-244-7462 X-1115140

GAS  
HUMPHREYS COUNTY UTILITY  
304 N. CHURCH STREET  
WAVERLY, TN 37185  
DAVID WISER  
931-256-3204

LIMIT OF WORK.  
STA. 176+40.09  
SR-13

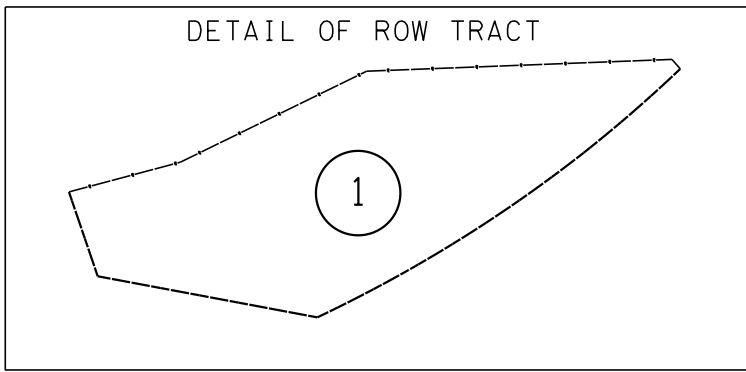
SR13 STA 178+90.09=  
WB EXIT RAMP STA 47+67.73

LIMIT OF WORK.  
STA. 179+92.00  
SR-13

PHSIP-I-40-3(160)  
END PROJ. NO. 43001-3157-44 CONST.  
STA. 47+67.73  
N 568183.4123  
E 1435056.7697

PHSIP-I-40-3(160)  
END PROJ. NO. 43001-2157-44 ROW  
STA. 47+35.92  
N 568159.8059  
E 1435078.0945

END CA FENCE  
STA 47+35.92  
OFFSET 120.00'



40

45

R=3669.72'  
L=549.15'

BEGIN CA FENCE  
STA 38+70.83  
OFF 72.01'

MATCH LINE STA. 38+50 SEE SHT. NO.3A

PROP ROW & CA FENCE

R=3669.72'  
L=261.80'

PROPOSED WB EXIT RAMP

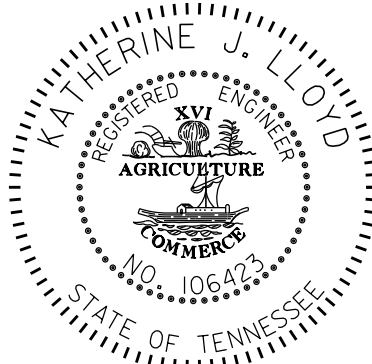
PRES. R.O.W. (C.A.) & FENCE  
(TO BE REMOVED)

W.B. EXIT RAMP

PHSIP-I-40-3(160)  
BEG PROJ. NO. 43001-2157-44 ROW  
STA. 38+70.83  
N 567655.1690  
E 1435766.5586

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COORDINATES ARE NAD/83(1995),  
ARE DATUM ADJUSTED BY THE  
FACTOR OF 1.00007 AND TIED TO  
THE TGRN. ALL ELEVATIONS ARE  
REFERENCED TO THE NAVD 1988.

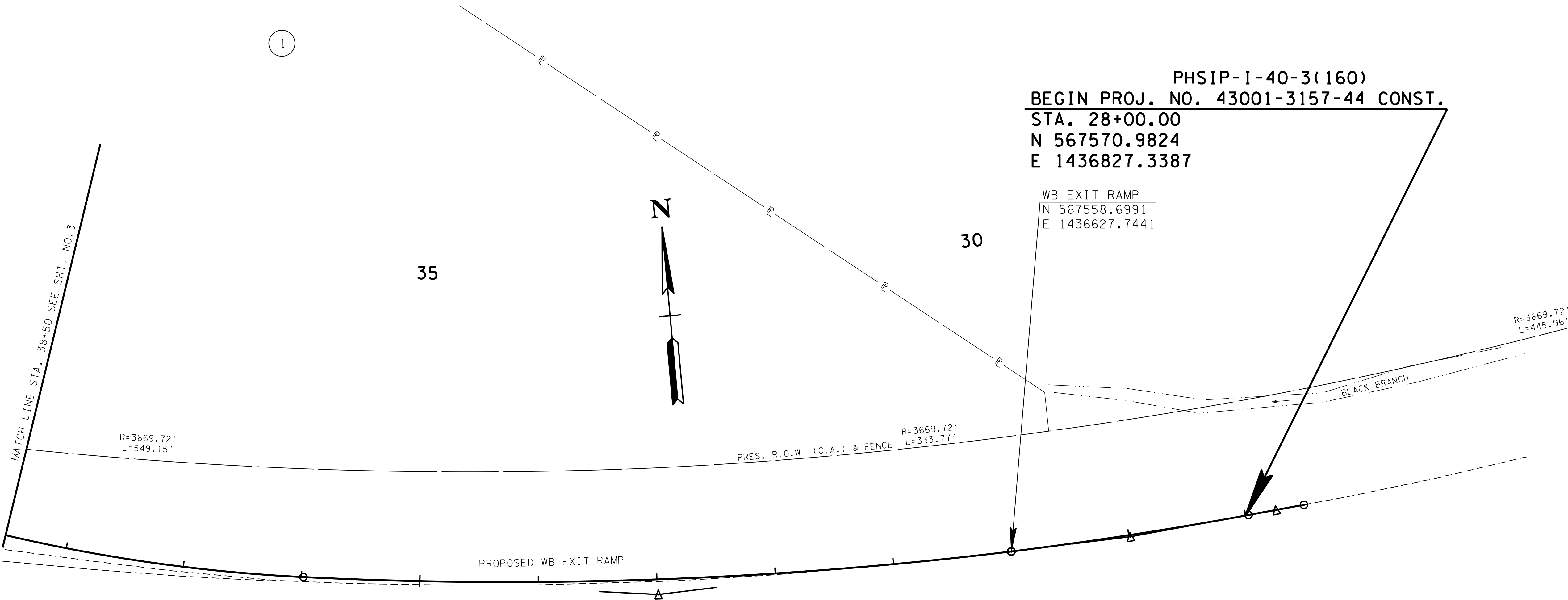
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

PROPERTY  
MAP & UTILITY  
OWNERS  
STA.47+67.73 TO STA.38+50  
SCALE: 1:50



R.O.W. ACQUISITION TABLE																
TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING ACRES		EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT REFERENCE		LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST.
				BK.	PAGE											
1	PILOT TRAVEL CENTERS, LLC	149	21	182	869		13.275	13.275		0.527	0.527		12.748			

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	3A
CONST	2016	PHSIP-I-40-3(160)	3A



UTILITY NOTES

- (1) THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC., AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.
- (2) UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR IT'S REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.
- (3) THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.
- (4) PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED 'AROUND' UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.
- (5) THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106.

RIGHT - OF - WAY NOTES

- (1) IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT BE REMOVED THERE FROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, THE CIVIL ENGINEERING MANAGER 2, ROADWAY DESIGN DIVISION IS TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.
- (2) ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S "POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS", THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.

DISTURBED AREA	
BETWEEN SLOPE LINES	3.58 AC
15 FOOT WIDE STRIP(OUTSIDE SLOPE LINES)	1.41 AC
I-40 MILLING	1.03 AC
TOTAL DISTURBED AREA	6.02 AC

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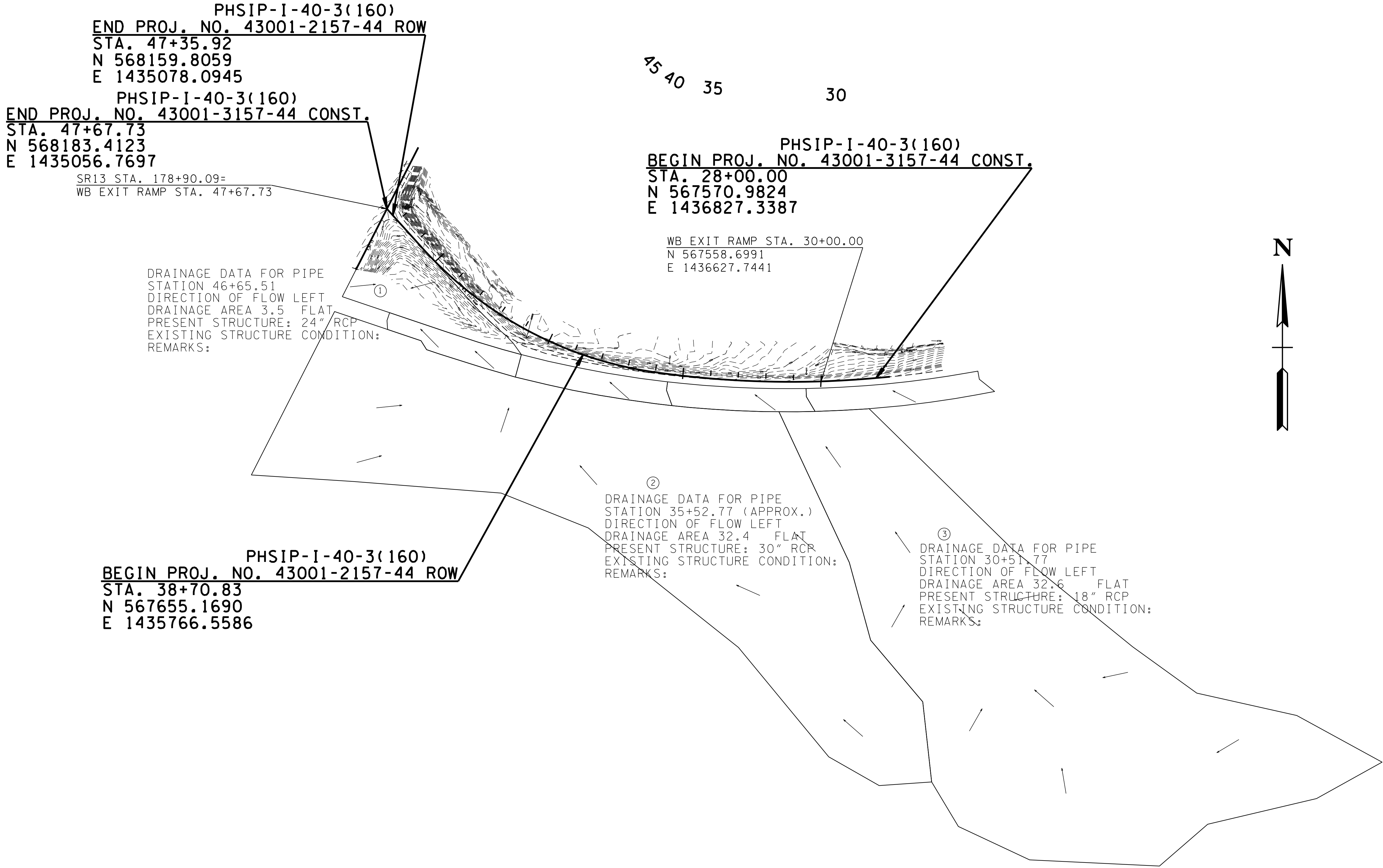
SEALED BY  
  
KATHERINE J. LLOYD  
REGISTERED PROFESSIONAL ENGINEER  
AGRICULTURE  
NO. 106423  
STATE OF TENNESSEE

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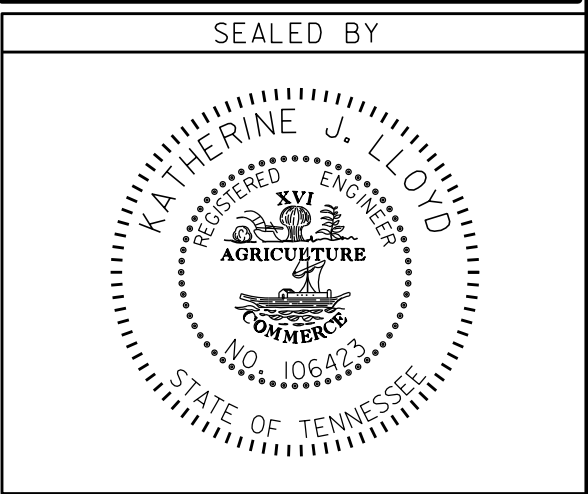
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DEPARTMENT OF TRANSPORTATION

PROPERTY MAP,  
ROW ACQ.  
TABLE & NOTES  
STA.38+50 TO STA.28+00  
SCALE: 1:50

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	6
CONST	2016	PHSIP-I-40-3(160)	6



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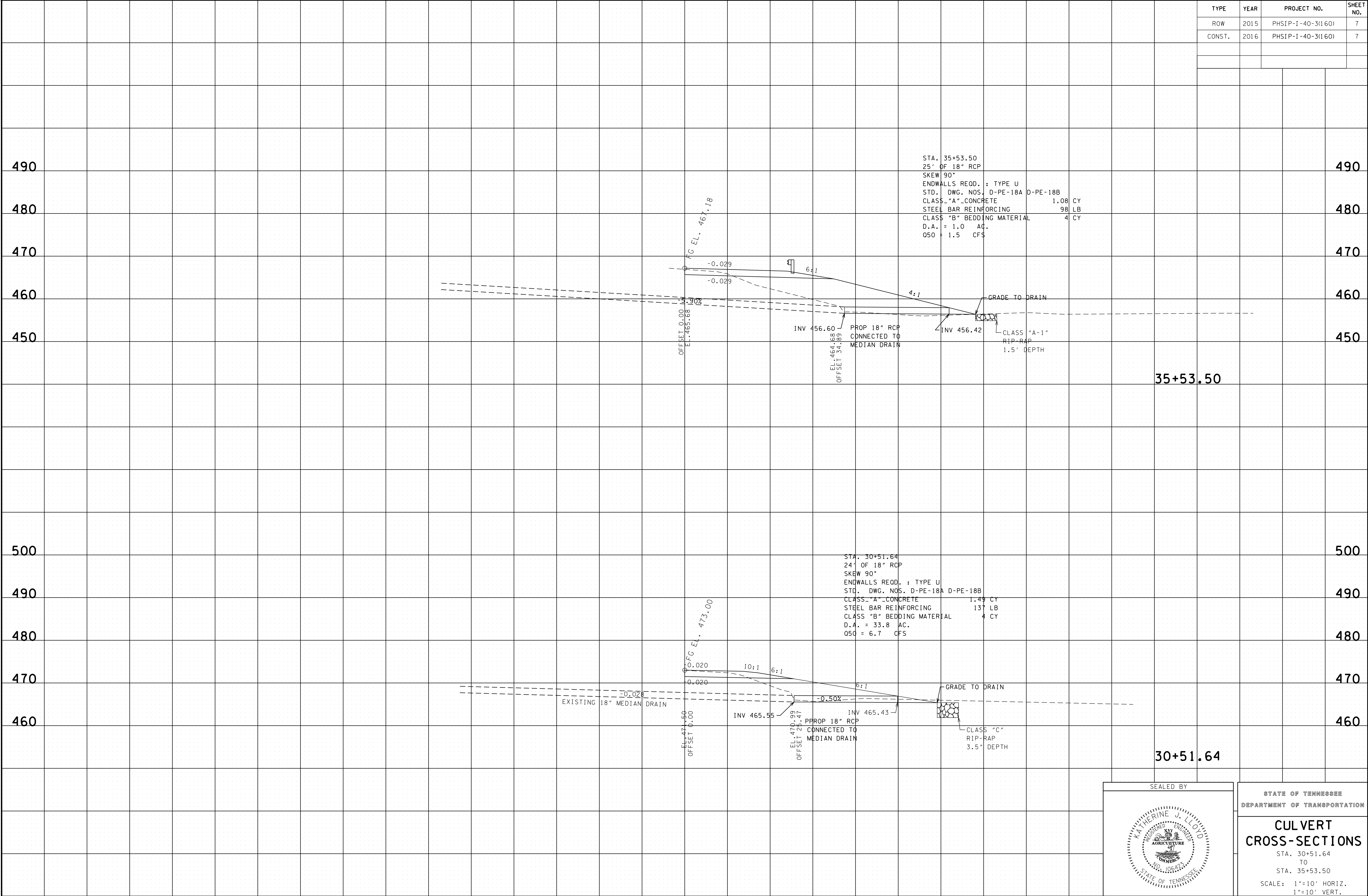
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

DRAINAGE  
MAP  
STA. 47+67.73 TO STA. 28+00  
SCALE: 1"=200'



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	7
CONST.	2016	PHSIP-I-40-3(160)	7



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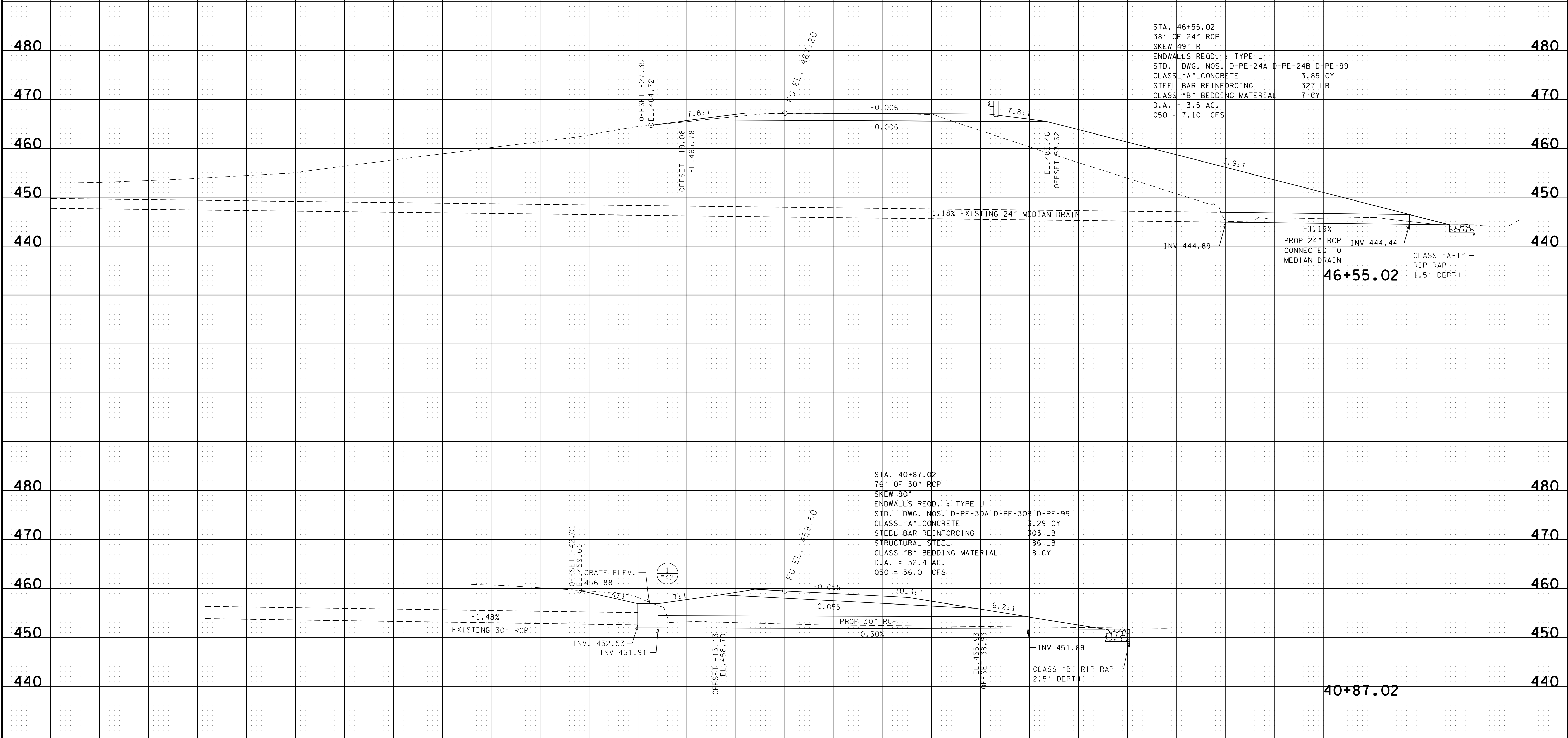
KATHERINE J. LLOYD  
REGISTERED PROFESSIONAL ENGINEER  
AGRICULTURE  
COMMERCIAL  
NO. 106423  
STATE OF TENNESSEE

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

**CULVERT  
CROSS-SECTIONS**  
STA. 30+51.64  
TO  
STA. 35+53.50  
SCALE: 1"=10' HORIZ.  
1"=10' VERT.

C:\Projects\Humphreys\40Westbound\04FF-RampSR13\H140Culvert\XSections.sht  
01-MAR-2016 15:59

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	7A
CONST.	2016	PHSIP-I-40-3(160)	7A



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**CULVERT  
CROSS-SECTIONS**  
STA. 40+87.02  
TO  
STA. 46+55.02  
SCALE: 1"=10' HORIZ.  
1"=10' VERT.



EROSION PREVENTION AND SEDIMENT CONTROL

KNOWN EXCEPTIONAL TENNESSEE WATERS

- (1)

FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, AN OUTFALL IN A DRAINAGE AREA OF 5 ACRES OR MORE, 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. 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, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT.
- (2)

FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, A 60 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM WITH THIS DESIGNATION SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. 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. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY 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 CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

NPDES

- (3)

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 BASIC EPSC DEVICES ON THE EPSC PLAN CONTAINED IN THE APPROVED SWPPP.
- (4)

THE EPSC MEASURES AND/OR PLAN SHALL BE MODIFIED AS NECESSARY SO THAT THEY ARE EFFECTIVE AT ALL TIMES THROUGHOUT THE COURSE OF THE PROJECT.
- (5)

THE ACCEPTED EPSC PLAN SHALL REQUIRE THAT EPSC MEASURES BE IN PLACE BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES, INCLUDING WITHOUT LIMITATION AS FOLLOWS:

A.

INITIAL CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF APPLICABLE EPSC MEASURES IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

B.

NO OTHER CLEARING AND GRUBBING OPERATIONS SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

C.

NO CULVERT OR BRIDGE CONSTRUCTION SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

D.

NO GRADING, EXCAVATION, CUTTING, FILLING, OR OTHER EARTHWORK SHALL BE STARTED BEFORE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.
- (6)

PERMANENT EPSC MEASURES SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OF ANY SEQUENCE OR PHASE. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE ARE TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME UNTIL AFTER 14 CALENDAR

DAYS. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE.

- (7)

STEEP SLOPES (A NATURAL OR CREATED SLOPE OF 35% GRADE (2.8H:1V) OR GREATER REGARDLESS OF HEIGHT) SHALL BE TEMPORARILY STABILIZED NO LATER THAN 7 CALENDAR DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.
- (8)

FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SUPPORT ACTIVITIES; TDOT PROJECTS ARE COVERED UNDER THE "WASTE BORROW" MANUAL PER THE SWPPP.

UTILITY RELOCATION

- (9)

RAIN WATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND MAINTAINED.
- (10)

SILT FENCE SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF STOCKPILED SOIL. TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING NO FLOW CONDITIONS AND STABILIZED BY THE END OF THE WORK DAY
- (11)

UTILITY CROSSINGS FOR PERENNIAL STREAMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO UTILITIES IN THIS PROJECT IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC). THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLANS (SWPPP).
- (12)

IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR INSTALLER TO PROTECT FROM EROSION EXPOSED EARTH RESULTING FROM THEIR OPERATIONS AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE 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.
- (13)

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 SEVEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOIL OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EROSION PREVENTION AND SEDIMENT CONTROL (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 SUCH TIME AS THE TRENCH IS BACKFILLED.
- (14)

IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC), TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS IN THIS PROJECT, THEREFORE, THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTIONS PREVENTION PLANS (SWPPP). THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT WORK.
- (15)

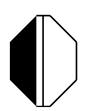
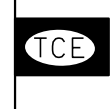
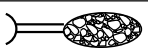
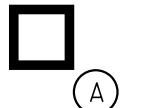


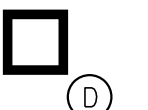
TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORM WATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.
- (16)

FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) 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.

- (17)

THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS (AS APPROVED BY THE TDOT PROJECT ENGINEER).
- (18)

THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES TO REPLACE IN-PLACE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT PROJECT ENGINEER BEFORE COMMENCING WORK.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND		
SYMBOL	ITEM	STD. DWG.
* SF * SF * SF *	SILT FENCE	EC-STR-3B
	ENHANCED ROCK CHECK DAM (TRAPEZOIDAL DITCH)	EC-STR-6A
* HVF * HVF	HIGH VISIBILITY FENCE	S-F-1
*  *	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
	TEMPORARY SLOPE DRAIN	EC-STR-27
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
	CATCH BASIN PROTECTION (TYPE A)	EC-STR-19
	CULVERT PROTECTION (TYPE 1)	EC-STR-11
	TEMPORARY BERM	EC-STR-27
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
	CATCH BASIN PROTECTION (TYPE D)	EC-STR-19

\* TO BE PLACED AS DIRECTED BY THE TDOT CONST. ENGINEER

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1) 203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	718
203-06	WATER	M.G.	41
(7) 209-02.03	8" TEMPORARY SLOPE DRAIN	L.F.	60
(7) 209-05	SEDIMENT REMOVAL	C.Y.	134
(7) 209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	200
(7) 209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	2685
(7) 209-08.08	ENHANCED ROCK CHECK DAM	EACH	10
209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	1
(6)(2) 303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	9
707-08.11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	1700
(3) 709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	50
(4) 709-05.06	MACHINED RIP-RAP (CLASS A-1)	TON	12
(5) 740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	121
740-11.01	TEMPORARY SEDIMENT TUBE 8IN	L.F.	553
(6) 801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	160
801-03	WATER (SEEDING & SODDING)	M.G.	2
803-01	SODDING (NEW SOD) (FOR ROADWAY SLOPES)	S.Y.	8764

- (1)

7 CY FOR TEMP CONST EXIT, 711 CY FOR TEMP EARTH BERM
- (2)

FOR CULVERT PROTECTION TYPE I
- (3)

FOR TEMPORARY CONSTRUCTION EXIT
- (4)

7 TONS FOR TEMPORARY SLOPE DRAIN, 5 TONS FOR CULVERT PROTECTION TYPE I
- (5)

86 SY FOR TEMPORARY CONSTRUCTION EXIT, 35 SY FOR CULVERT PROTECTION TYPE I
- (6)

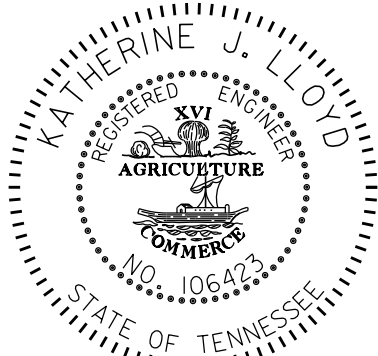
TO BE USED AS DIRECTED BY THE TDOT CONST ENGINEER
- (7)

"SEE SUBSECTION 209-07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT."

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I -40-3(160)	8
CONST	2016	PHSIP-I -40-3(160)	8

UNOFFICIAL SET NOT FOR BIDDING

SEALED BY

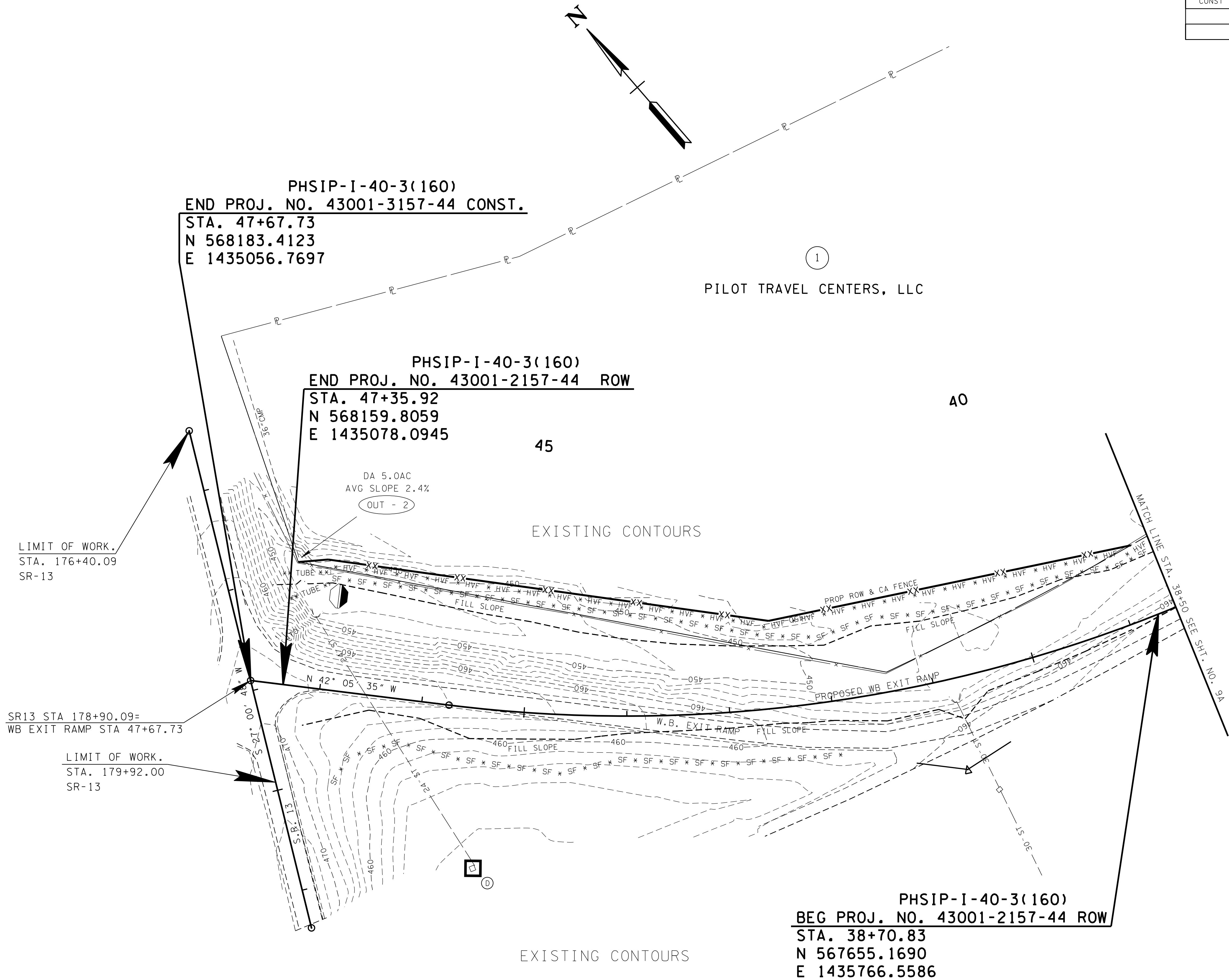


STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION

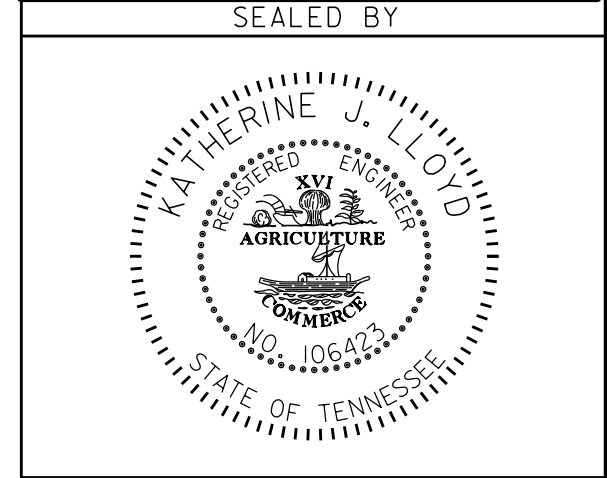
EPSC SPECIAL NOTES, QUANTITIES & LEGEND



TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	9
CONST	2016	PHSIP-I-40-3(160)	8A



**UNOFFICIAL  
SET  
NOT FOR  
BIDDING**



COORDINATES ARE NAD/83(1995),  
ARE DATUM ADJUSTED BY THE  
FACTOR OF 1.00007 AND TIED TO  
THE TGRN. ALL ELEVATIONS ARE  
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

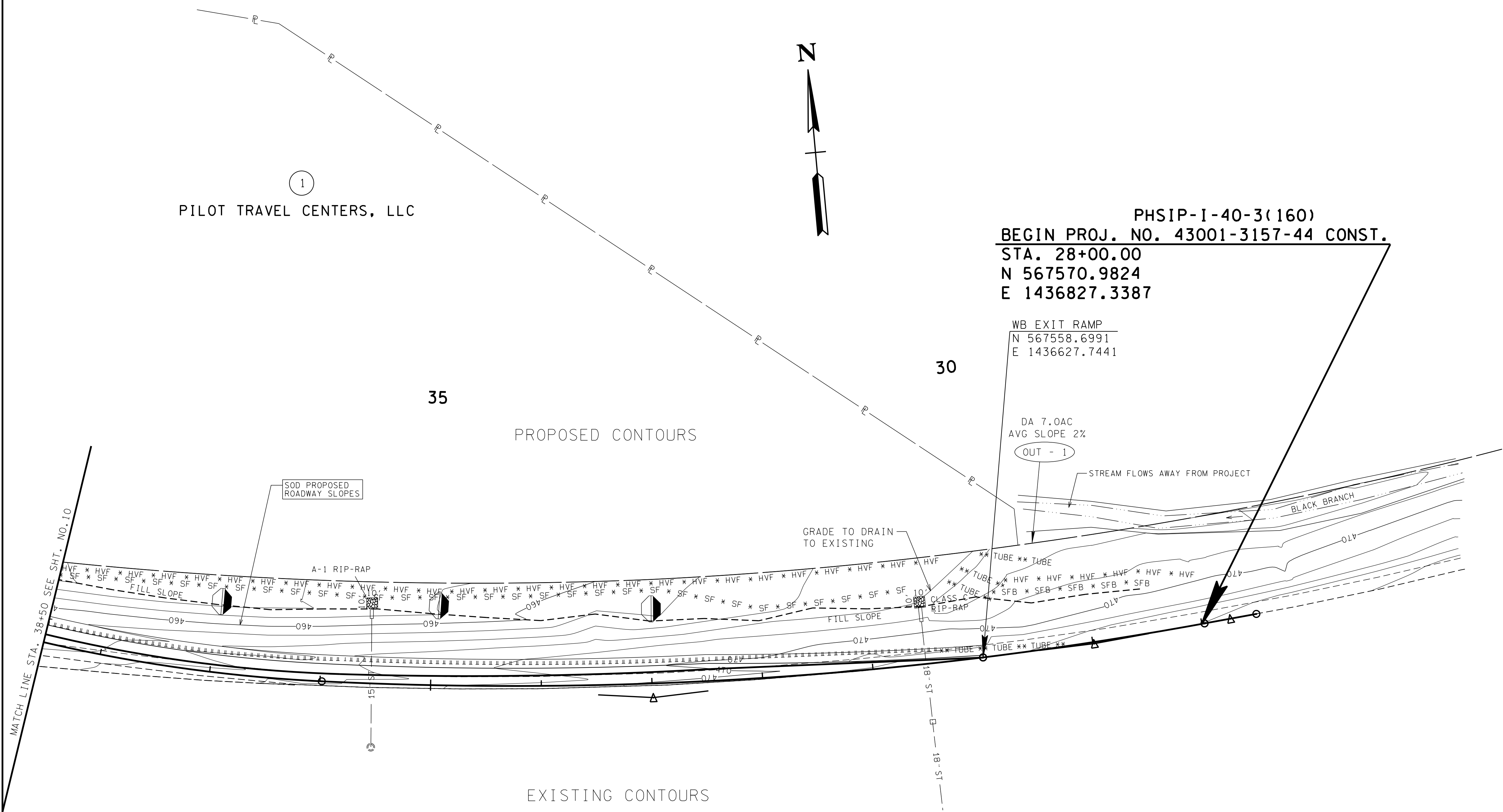
**EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN**

STA. 47+67.73 TO STA. 38+50  
SCALE: 1"=50'



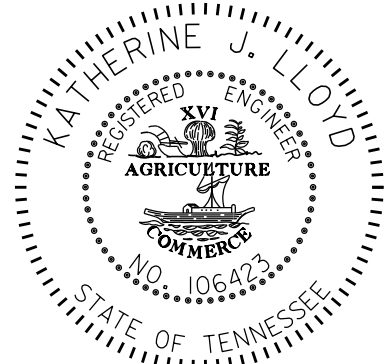


TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	10A
CONST	2016	PHSIP-I-40-3(160)	9A



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SET  
NOT FOR  
BIDDING**

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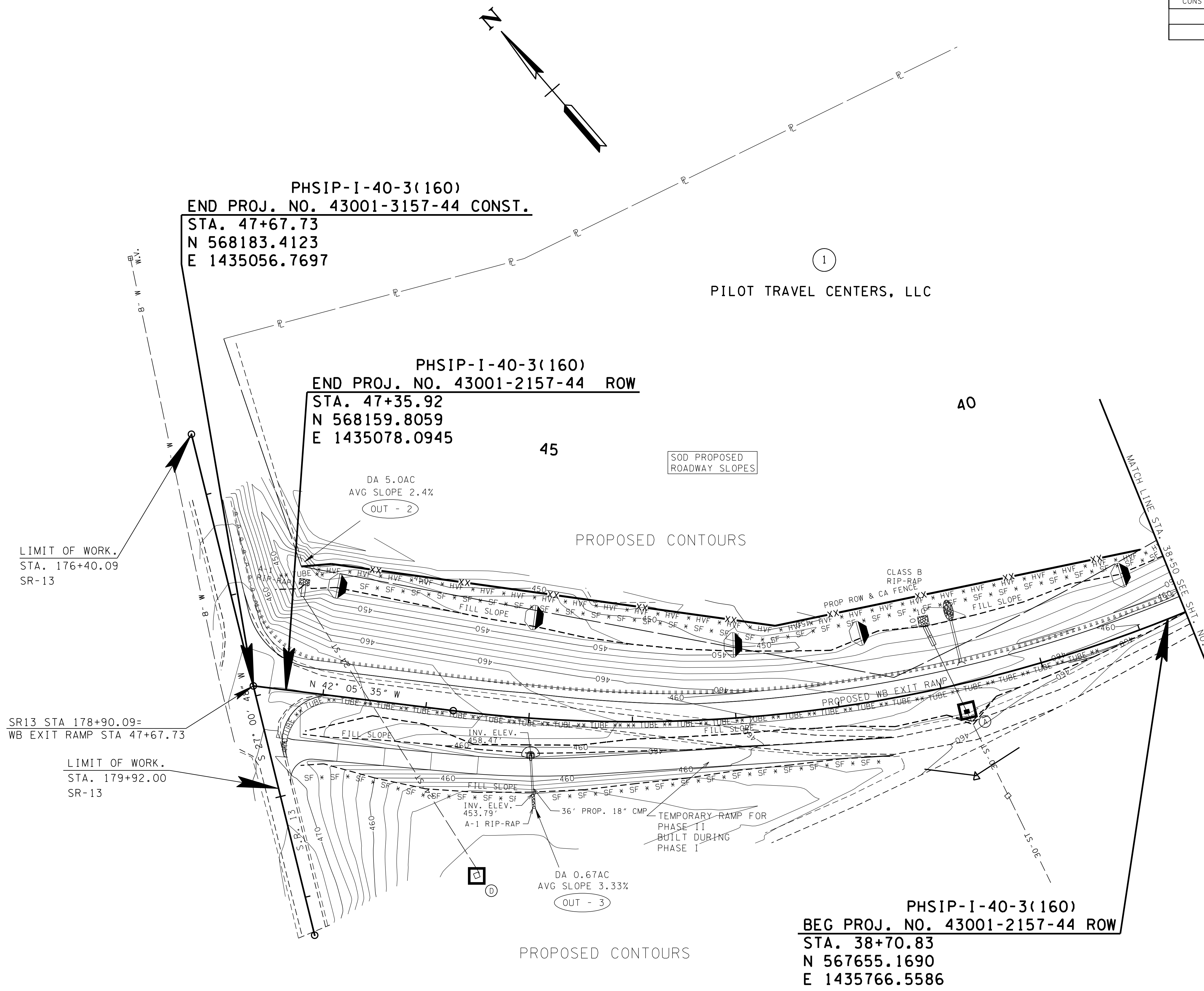
**EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN**

STA. 38+50 TO STA. 28+00  
SCALE: 1"=50'

STAGE 1




TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	11
CONST	2016	PHSIP-I-40-3(160)	10



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SET  
NOT FOR  
BIDDING**

SEALED BY



KATHERINE J. LLOYD  
REGISTERED PROFESSIONAL ENGINEER  
AGRICULTURE  
TENNESSEE  
NO. 106423

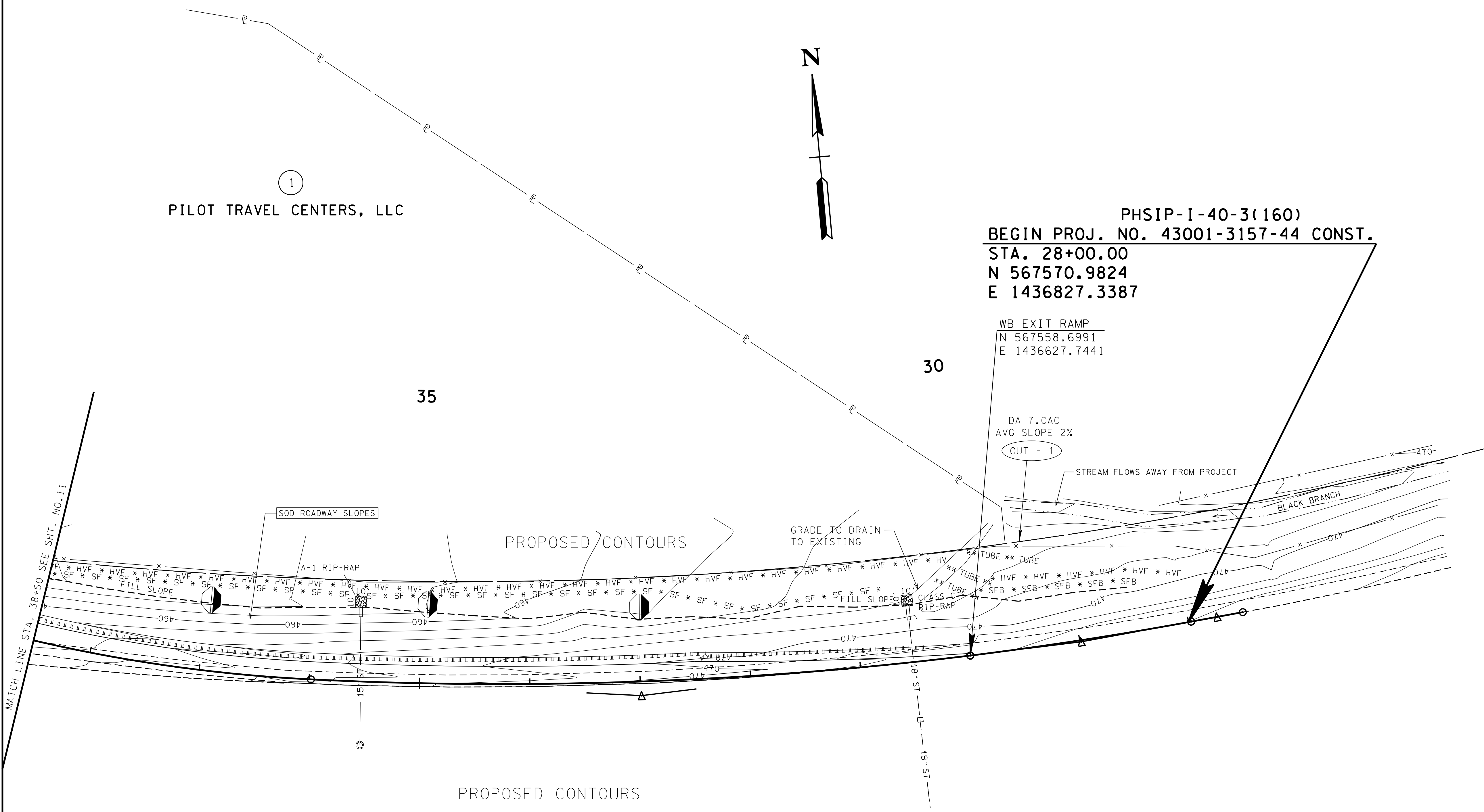
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

**EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN**

STA. 47+67.73 TO STA. 38+50  
SCALE: 1"=50'

TYPE	YEAR	PROJECT NO.	SHEET NO.
ROW	2015	PHSIP-I-40-3(160)	11A
CONST	2016	PHSIP-I-40-3(160)	10A



PILOT TRAVEL CENTERS, LLC

PHSIP-I-40-3(160)  
BEGIN PROJ. NO. 43001-3157-44 CONST.  
STA. 28+00.00  
N 567570.9824  
E 1436827.3387

WB EXIT RAMP  
N 567558.6991  
E 1436627.7441

DA 7.0AC  
AVG SLOPE 2%

OUT - 1

STREAM FLOWS AWAY FROM PROJECT

BLACK BRANCH

PROPOSED CONTOURS

GRADE TO DRAIN  
TO EXISTING

SOD ROADWAY SLOPES

A-1 RIP-RAP

TUBE

TUBE

TUBE

TUBE

TUBE

TUBE

TUBE

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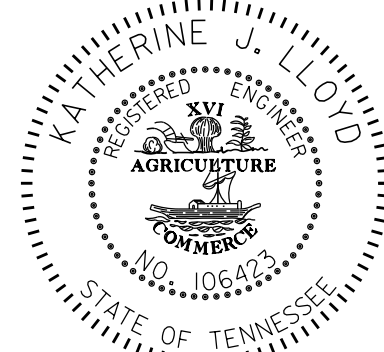
TUBE

TUBE

PROPOSED CONTOURS

UNOFFICIAL  
SET  
NOT FOR  
BIDDING

SEALED BY



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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 38+50 TO STA. 28+00

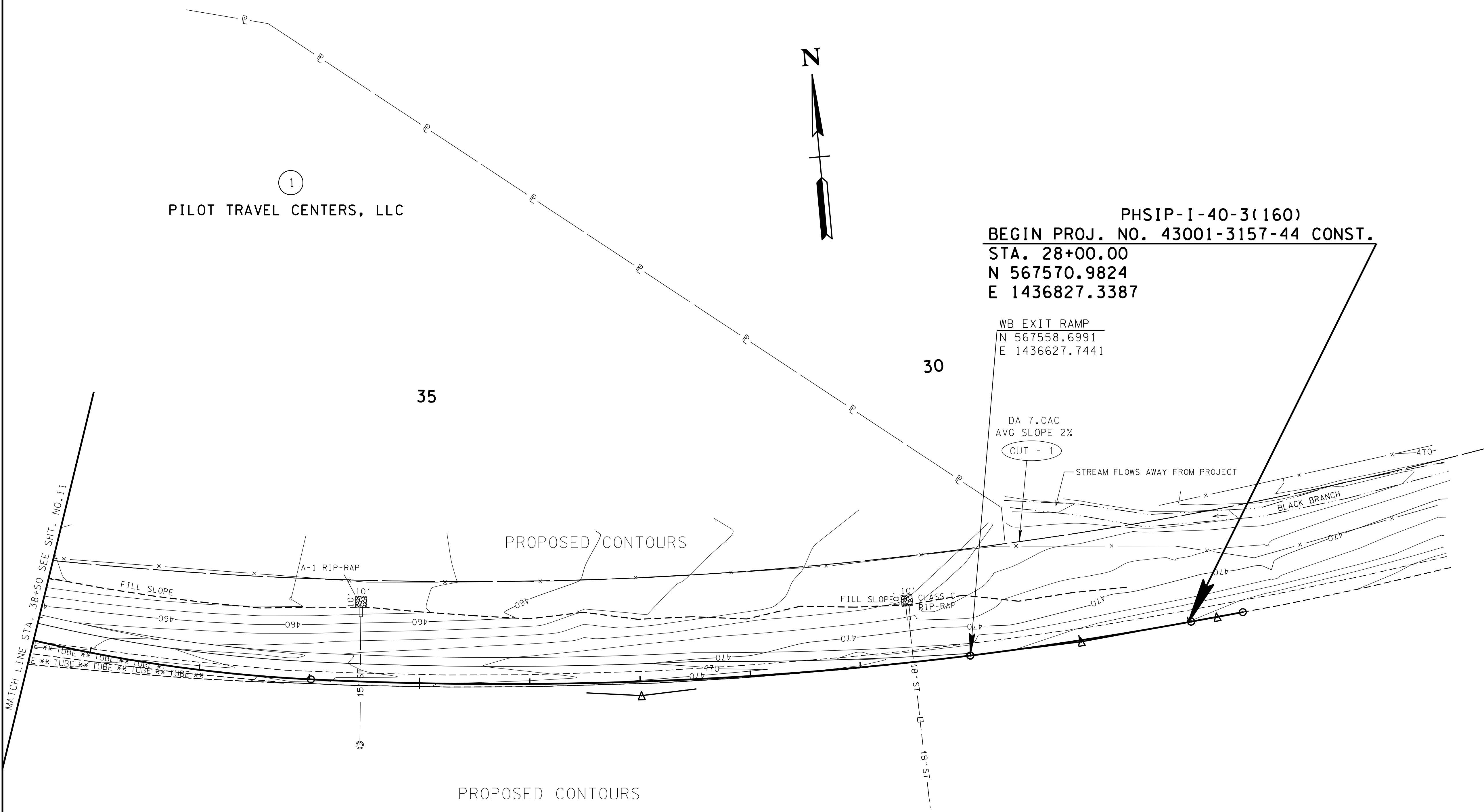
SCALE: 1"=50'

STAGE II





TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST	2016	PHSIP-1-40-3(160)	11A



PHSIP-1-40-3(160)  
BEGIN PROJ. NO. 43001-3157-44 CONST.  
STA. 28+00.00  
N 567570.9824  
E 1436827.3387

WB EXIT RAMP  
N 567558.6991  
E 1436627.7441

DA 7.0AC  
AVG SLOPE 2%  
OUT - 1

STREAM FLOWS AWAY FROM PROJECT

BLACK BRANCH

PROPOSED CONTOURS

PROPOSED CONTOURS

MATCH LINE STA. 38+50 SEE SHT. NO. 11

15' ST

18' ST — 18' ST —

7-MAR-2016 14:02  
C:\Projects\Humphreys\140WestboundOff-Ramp\SR13\11A.sht

SEALED BY

COORDINATES ARE NAD/83(1995),  
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 38+50 TO STA. 28+00  
SCALE: 1"=50'

STAGE III  
REMOVING TEMP. RAMP.  
BUILDING GORE AREA

## Claire Sichko

---

**From:** Claire Sichko  
**Sent:** Thursday, March 24, 2016 4:23 PM  
**To:** Water Permits  
**Cc:** Jim McAdoo; Jeanene Woodruff; Lina Khoury; Mike Brown; John Hewitt; DJ Wiseman  
**Subject:** Permit SWPPP Application, PIN 119674.00  
**Attachments:** 01 PIN 119674.00 Cover Letter.pdf; 02 PIN 119674.00 NOI and Location Maps.pdf

PE # 43001-1157-44  
PIN 119674.00  
I-40  
Interchange at SR-13 Westbound Exit Ramp, LM 8.21  
Humphreys County

The Permits Section submits the attached cover letter and NOI for the storm water application on the above referenced project.

All of the SWPPP files have been placed on TDOT's FTP site for retrieval. To retrieve them, please follow these steps within seven days (files are deleted after this time):

1. Go to <https://webftp.tdot.state.tn.us/>
2. Select Business Partner
3. Select Receive Files
4. Right click the link named "Permit SWPPP Application, PIN 119674.00.zip" to Save Target As
5. Save to appropriate folder in your file system

If you have any questions or we can provide further assistance, please contact me.

Thank you,



**Claire Sichko** | Consultant  
Environmental Division  
Natural Resources Office, Permits Section  
James K. Polk Building, 9<sup>th</sup> Floor  
505 Deaderick Street  
Nashville, Tennessee 37243  
p. 615-741-2613  
[claire.sichko@tn.gov](mailto:claire.sichko@tn.gov)  
[tn.gov/tdot](http://tn.gov/tdot)



## Claire Sichko

---

**From:** Claire Sichko  
**Sent:** Thursday, March 24, 2016 4:24 PM  
**To:** EPLANS TURNINS; TDOT CopyCenter  
**Cc:** TDOT.HQ Construction; TDOT EstimatingOffice; Lina Khoury; John Hewitt; Shane Hester  
**Subject:** PIN 119674.00, SWPPP SHEET SUBMITTAL (region 3)  
**Attachments:** 03 PIN 119674.00 SWPPP.pdf

### LETTING PLANS REVISION

PE # 43001-1157-44  
PIN 119674.00  
I-40  
Interchange at SR-13 Westbound Exit Ramp, LM 8.21  
Humphreys County

Description of Revision: SWPPP Sheets

Number of Sheets Added: 6

This email serves as notification that the subject project is being electronically submitted for the 9/21/2016 Letting Process. Please find the SWPPP Sheets attached.

**ATTENTION PRINT SHOP: 1 sets of 11" X17" prints of the revised sheets only is requested for the HQ Construction Office. Please contact their office when the prints are ready to be picked up.**

Thank you,



**Claire Sichko** | Consultant  
Environmental Division  
Natural Resources Office, Permits Section  
James K. Polk Building, 9<sup>th</sup> Floor  
505 Deaderick Street  
Nashville, Tennessee 37243  
p. 615-741-2613  
[claire.sichko@tn.gov](mailto:claire.sichko@tn.gov)  
[tn.gov/tdot](http://tn.gov/tdot)



**ENVIRONMENTAL DIVISION**  
SUITE 900, JAMES K. POLK BLDG.  
505 DEADERICK STREET  
NASHVILLE, TN 37243-0334  
PHONE: 615.741.3655 FAX: 615.741.1098

**LETTER OF TRANSMITTAL**

**TO:** | **Mr. Jim McAdoo, TDEC Permit Section**

**FROM:** | **Natural Resources Office – Environmental Permits Section**  
Suite 900, James K. Polk Building  
505 Deaderick Street  
Nashville, Tennessee 37243-0334  
Claire.Sichko@tn.gov  
(615) 741-2613

**DATE:** | March 24, 2016

**SUBJECT:** | PIN 119674.00  
TDOT Project No. 43001-1157-44  
I-40  
Interchange at SR-13 Westbound Exit Ramp, LM 8.21  
Humphreys County

---

**ATTACHED ARE THE FOLLOWING ITEM(S):**

- ☐ Plans ☐ Sketches ☐ Plans  
☐ Environmental Boundaries ☐ Water Quality Permits  
☒ Other: 

NOI and SWPPP Submittals for TDOT Construction Activities

---

**COMMENTS:**





**ENVIRONMENTAL DIVISION**  
SUITE 900, JAMES K. POLK BLDG.  
505 DEADERICK STREET  
NASHVILLE, TN 37243-0334  
PHONE: 615.741.3655 FAX: 615.741.1098

**LETTER OF TRANSMITTAL**

**TO:** | **Mr. Mike Brown, TDOT Region 3 Construction**

**FROM:** | **Natural Resources Office – Environmental Permits Section**  
Suite 900, James K. Polk Building  
505 Deaderick Street  
Nashville, Tennessee 37243-0334  
Claire.Sichko@tn.gov  
(615) 741-2613

**DATE:** | March 24, 2016

**SUBJECT:** | PIN 119674.00  
TDOT Project No. 43001-1157-44  
I-40  
Interchange at SR-13 Westbound Exit Ramp, LM 8.21  
Humphreys County

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**ATTACHED ARE THE FOLLOWING ITEM(S):**

☐ Plans ☐ Sketches ☐ Plans  
☐ Environmental Boundaries ☐ Water Quality Permits

☒ Other: 

NOI and SWPPP Submittals for TDOT Construction Activities
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**COMMENTS:**