

SWPPP INDEX OF SHEETS

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NOTE: CITATIONS IN PARENTHESES INDICATE SECTIONS OF THE CURRENT CDP.

2.6. TOTAL PROJECT AREA (3.5.1.c): 2.502 ACRES

2.7. TOTAL AREA TO BE DISTURBED (3.5.1.c): 2.502 ACRES

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

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

IF YES, LIST THE CORRESPONDING PLAN SHEET: _____

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

YES _____ (DATE) NO

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

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

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, HAS A SPECIAL HANDLING PLAN AND/OR ADAPTIVE MANAGEMENT PLAN (AMP) BEEN PREPARED FOR THE PROJECT? YES NO

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

SOIL PROPERTIES			
PRIMARY SOIL NAME	HSG	% OF SITE (K value)	ERODIBILITY
CHAQRN LOAM, RARELY FLOODED	B	75	0.28
KEENER LOAM	B	2	0.37
LONON LOAM	B	23	0.37

RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS

AREA TYPE	AREA (AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	FACTOR C
IMPERVIOUS	1.0	40	0.95	0.95
PERVIOUS	1.5	60	0.40	0.40
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.62

RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS

AREA TYPE	AREA (AC)	PERCENTAGE OF TOTAL AREA (%)	RUNOFF CN	FACTOR C
IMPERVIOUS	1.0	40	0.95	0.95
PERVIOUS	1.0	40	0.40	0.40
WEIGHTED CURVE NUMBER OR C-FACTOR =				0.73

- 2.1. PROJECT LIMITS (3.5.1.h); REFER TO TITLE SHEET
- 2.2. PROJECT DESCRIPTION (3.5.1.a):
TITLE: INTERSECTION OF SR-67 AT PEDRO SHOUN LANE / SPRUCEY LANE.
LM 12.25 TO LM 12.75
COUNTY: JOHNSON
PIN: 119043.00
- 2.3. SITE MAP(S) (2.6.2); REFER TO TITLE SHEET
- 2.4. DESCRIPTION OF EXISTING SITE TOPOGRAPHY (3.5.1d); REFER TO EXISTING CONTOUR SHEET(S) 10A-10B, DRAINAGE MAP SHEET(S) 8&A, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.3.
- 2.5. MAJOR SOIL DISTURBING ACTIVITIES (3.5.1.b) (CHECK ALL THAT APPLY):
 CLEARING AND GRUBBING
 EXCAVATION

3. ORDER OF CONSTRUCTION ACTIVITIES (3.5.1.b, 3.5.2a)
CONSTRUCTION SHALL BE SEQUENCED AND STAGED TO MINIMIZE THE EXPOSURE TIME OF GRADED OR DENuded SOIL AREAS, PRESERVE TOPSOIL, AND MINIMIZE SOIL COMPACTION. NO WORK SHALL BE STARTED UNTIL THE CONTRACTORS PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING

4.1.4. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (4.1.2.5.4.2)
 YES NO
BUFFER ZONE REQUIREMENTS ARE NOT REQUIRED FOR PRE-APPROVED SITES (4.1.2.2).

RECEIVING WATERS OF THE STATE INFORMATION

TDOT STATE WATER LABEL FROM EBR	NAME OF STATE WATER RECEIVING FOR SILTATION OR ALTERATION (YES OR NO)	ETW (YES OR NO)	LOCATED WITHIN PROJECT LIMITS (YES OR NO)
STR-1	DOE CREEK	NO	YES

- 4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS? YES NO
- IF YES, THE IMPACT(S) AND HAVE BEEN INCLUDED IN THE TOTAL PROJECT LIMITS? YES NO
- 4.1.2. HAVE ANY OF THE RECEIVING STATE WATERS LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY)?
- 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION
- 303d WITH UNAVAILABLE PARAMETERS FOR HABITAT ALTERATION
- 4.1.3. RECEIVING WATERS OF THE STATE (3.5.1.k).
 EXCEPTIONAL TENNESSEE WATERS (ETW)

4. STREAM, OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION (3.5.1j, 3.5.1k)
- 4.1. STREAM INFORMATION (3.5.1j, 3.5.1k)
- 4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS? YES NO
- IF YES, THE IMPACT(S) AND HAVE BEEN INCLUDED IN THE TOTAL PROJECT LIMITS? YES NO
- 4.1.2. HAVE ANY OF THE RECEIVING STATE WATERS LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY)?
- 303d WITH UNAVAILABLE PARAMETERS FOR SILTATION
- 303d WITH UNAVAILABLE PARAMETERS FOR HABITAT ALTERATION
- 4.1.3. RECEIVING WATERS OF THE STATE (3.5.1.k).
 EXCEPTIONAL TENNESSEE WATERS (ETW)
- 4.1.4. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES REQUIRED FOR WATERS OF THE STATE? (4.1.2.5.4.2)
 YES NO
BUFFER ZONE REQUIREMENTS ARE NOT REQUIRED FOR PRE-APPROVED SITES (4.1.2.2).
- THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE ORDER OF CONSTRUCTION ACTIVITIES AND THE BASIC EPSC DEVICES DEPICTED ON THE EPSC PLAN CONTAINED WITHIN THE APPROVED SWPPP.
- 3.1. SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS NA)
- 3.2. INSTALL STABILIZED CONSTRUCTION EXITS.
- 3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.
- 3.4. INSTALL INITIAL EPSC MEASURES BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CULVERT OR BRIDGE CONSTRUCTION, CUTTING, FILLING, OR ANY OTHER EARTHWORK OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES.
- 3.5. PERFORM CLEARING AND GRUBBING NOT MORE THAN 14 DAYS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.
- 3.6. REMOVE AND STORE TOPSOIL.
- 3.7. STABILIZE DISTURBED AREAS WITHIN 14 DAYS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY.
- 3.8. INSTALL STORM SEWERS AND CULVERTS.
- 3.9. INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.
- 3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.
- 3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.
- 3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.
- 3.13. COMPLETE FINAL STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)
- 3.14. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT UNIFORM PERMANENT VEGETATIVE COVER.
- 3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

SHEET NO.	PROJECT NO.	YEAR	TYPE	DATE	BY
1	46003-1225-94	2017	P.E.	2017	HSP-67(32)
S-1		2017	CONST.	2017	HSP-67(32)

STORMWATER POLLUTION PREVENTION PLAN

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SHEET NO.	PROJECT NO.	YEAR	TYPE	P.E.	CONST.
10	46003-1225-94	2017			2017
					HSP-67(32)
					S.2

4.5.1. IS THIS PROJECT LOCATED IN A HUC-8 WATERSHED THAT MAINTAINS AN EPA APPROVED TMDL FOR SILTATION AND HABITAT ALTERATION?
 YES NO

4.5.2. IF YES, IS THIS PROJECT LOCATED WITHIN A HUC-12 SUBWATERSHED WITH A WASTE LOAD ALLOCATION (WLA)?
 YES NO

4.5.3. IF YES, DOES THE PROJECT HAVE A DIRECT DISCHARGE TO A 303(d) LISTED STREAM FOR SILTATION OR HABITAT ALTERATION?
 YES NO

4.5.4. IF YES, HAS A SUMMARY OF THE CONSULTATION LETTER BEEN SUBMITTED/RECEIVED?
 YES NO

4.6. ECOLOGY INFORMATION (3.5.5a)
 DOES THE TDOT ENVIRONMENTAL BOUNDARIES REPORT SPECIFY SPECIAL NOTES TO BE ADDED TO THE PLAN SHEETS?
 YES NO

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

4.7. ENVIRONMENTAL COMMENTS
 ARE THERE ANY NOTES ON THE ENVIRONMENTAL COMMITMENT SHEET?
 YES NO

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

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

4.8. FERTILIZER PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES (3.5.3)
 5.1. EPSC MEASURES MUST BE DESIGNED, INSTALLED AND MAINTAINED TO CONTROL STORMWATER VOLUME AND VELOCITY WITHIN THE SITE TO MINIMIZE EROSION (4.1.1).
 5.2. EPSC MEASURES MUST CONTROL STORMWATER DISCHARGES, INCLUDING BOTH PEAK FLOWS AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS, STREAM CHANNELS, AND STREAM BANKS (4.1.1).
 5.3. HAVE THE CONTROL MEASURES BEEN DESIGNED PER THE SIZE AND SLOPE OF THE DISTURBED DRAINAGE AREA (3.5.3.2)?
 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, 5.4.1a).
 5.5. ARE THE LIMITS OF DISTURBANCE CLEARLY MARKED ON THE EPSC PLANS (3.5.1.4b)? YES NO

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

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

5.8. CLEANING, GRUBBING, AND OTHER DISTURBANCE TO RIPARIAN VEGETATION SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR SLOPE CONSTRUCTION AND EROSION PREVENTION MEASURES (INCLUDING STREAM AND WETLAND BUFFERS UNLESS PERMITTED).

5.9. UNNECESSARY VEGETATION REMOVAL IS PROHIBITED.

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

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

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

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

5.11. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARRP) PERMIT OR SECTION 401 CERTIFICATION (3.5.1). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET S.2. ALL PERMITS WILL BE MAINTAINED ON SITE WITHIN THE DOCUMENTATION AND PERMITS' BINDER.

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

4.2.2. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR WOTUS (EPHEMERAL) DUE TO A USAGE PERMIT?
 YES NO

4.3. OUTFALL INFORMATION
 4.3.1. OUTFALL TABLE (3.5.1a); SEE SWPPP SHEET S-9 FOR OUTFALL INFORMATION.

4.3.2. HAVE ALL OUTFALLS BEEN LABELED ON THE EPSC PLAN SHEETS (3.5.1.4b)? YES NO

4.3.3. HAVE ALL OUTFALLS BEEN LABELED ON A USGS TOPOGRAPHIC MAP INCLUDED IN THE DOCUMENTATION AND PERMITS' BINDER (3.5.1.4c)? YES NO

4.3.4. WHERE POSSIBLE, HAS NON-PROJECT RUN-OFF BEEN DIVERTED AROUND OR THROUGH THE PROJECT TO ELIMINATE CONTACT WITH DISTURBED AREAS OF THE PROJECT AND SEPARATE IT FROM PROJECT RUN-OFF THEREBY REDUCING THE DRAINAGE AREA OF TO THE OUTFALLS IN THIS AREA?
 YES NO N/A

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

4.3.6. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR STATE WATERS DUE TO A TDEC ARAPP (9.0)?
 YES NO

4.6.16. ARE THERE WATER QUALITY RIPARIAN BUFFER ZONE EXEMPTIONS? (4.1.2) YES NO

IF YES, EXISTING CONDITIONS DESCRIPTION: _____

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

4.6.18. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES (BMPs) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN BUFFER MUST BE USED A. JUSTIFICATION FOR USE AND DESIGN EQUVALENCY 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 ARAPP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

4.6. RECEIVING WATERS OF THE UNITED STATES (WOTUS) (EPHEMERAL) WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROL IMPACT ANY WOTUS (EPHEMERAL)? YES NO

WETLAND INFORMATION				
WETLAND LABEL	TDOT FROM STATION	LT OR RT	TO STATION	PERMANENT IMPACTS (Ac)
WTL-1	13+00 RT	16+25 RT	0	0.012

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

4.4.1. WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROLS IMPACT ANY WETLANDS? YES NO

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

4.5. TOTAL MAXIMUM DAILY LOADS (TMDL) INFORMATION (3.5.10)
 4.5.11. THE STRUCTURAL EPSC MEASURES HAVE BEEN INCLUDED IN THE TOTAL PROJECT IMPACTS AND HAVE BEEN INCLUDED IN THE AQUATIC RESOURCE ALTERATION (ARRP) PERMIT OR SECTION 401 CERTIFICATION (3.5.1). REFER TO THE LIST OF APPLICABLE ENVIRONMENTAL PERMITS LOCATED ON SWPPP SHEET S.2. ALL PERMITS WILL BE MAINTAINED ON SITE WITHIN THE DOCUMENTATION AND PERMITS' BINDER.

4.2. RECEIVING WATERS OF THE UNITED STATES (WOTUS) (EPHEMERAL) WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROL IMPACT ANY WOTUS (EPHEMERAL)? YES NO

4.1.5. ARE THERE ANY WATER QUALITY RIPARIAN BUFFER ZONES NOT REQUIRED FOR STATE WATERS DUE TO A TDEC ARAPP (9.0)?
 YES NO

4.1.6. ARE THERE WATER QUALITY RIPARIAN BUFFER ZONE EXEMPTIONS? (4.1.2) YES NO

IF YES, EXISTING CONDITIONS DESCRIPTION: _____

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

4.1.8. BECAUSE OF HEAVY SEDIMENT LOAD ASSOCIATED WITH CONSTRUCTION SITE RUNOFF, WATER QUALITY RIPARIAN BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE WATER QUALITY RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND WHERE IT IS NOT PRACTICABLE TO MAINTAIN A FULL WATER QUALITY RIPARIAN BUFFER, BEST MANAGEMENT PRACTICES (BMPs) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN BUFFER MUST BE USED A. JUSTIFICATION FOR USE AND DESIGN EQUVALENCY 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 ARAPP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

4.2. RECEIVING WATERS OF THE UNITED STATES (WOTUS) (EPHEMERAL) WILL CONSTRUCTION AND/OR EROSION AND SEDIMENT CONTROL IMPACT ANY WOTUS (EPHEMERAL)? YES NO

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

**STORMWATER
POLLUTION
PREVENTION
PLAN**

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

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

- 5.12 EPSC CONTROL MEASURES LISTED IN THE QUANTITIES TABLE ON SHEET 10 HAVE BEEN SELECTED IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES (3.5.3.1a). EPSC MEASURES SHALL BE INSTALLED PER TDOT STANDARDS (i.e. STANDARD DRAWINGS) AND SHALL BE FUNCTIONAL PRIOR TO ANY EARTH MOVING OPERATIONS.
- 5.14 EPSC MEASURES WILL NOT BE INSTALLED WITHIN A STREAM WITHOUT FIRST OBTAINING APPROVAL FROM THE PERMITS SECTION.
- 5.15 TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REINSTALLED AT THE END OF THE WORKDAY OR BEFORE A PRECIPITATION EVENT.
- 5.16 EPSC MEASURES LOCATED IN LOTUS (EPIHEMERAL STREAMS) MUST BE CONSIDERED TEMPORARY AND SHALL BE REMOVED AT THE END OF CONSTRUCTION.
- 5.17 THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. ROW, EASEMENT, ETC.) INTO WATERS OF THE STATE. THE PROJECT LIMITS USED BY THE PUBLIC WORKS AGENCY SHALL BE THE EXISTING LIMITS AND SHALL NOT BE EXCEEDED. THE CONTRACTOR SHALL MAINTAIN AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT ESCAPES. IF SEDIMENT ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED TO A LEVEL SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM DRAINAGE SYSTEMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POST A SAFETY HAZARD TO USERS OF PUBLIC STREETS).
- 5.18 PROPERLY MUST BE SETTLED WITH THE ADJOINING PROPERTY OWNER ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY. SEDIMENT THAT MIGRATES INTO WATERS OF THE STATE SHALL NOT BE REMOVED WITHOUT GUIDANCE FROM TDOT ENVIRONMENTAL PERSONNEL.
- 5.19 OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION EXIT (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- 5.20 DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS (4.1.4).
- 5.21 SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED TO PREVENT TRACKING OF SEDIMENT INTO WATERS OF THE STATE. THE SIZE OF THE CHANNELS THROUGH WHICH MUD OR FINE MATERIALS WILL BE DISCHARGED THROUGH A PIPE OR A WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.
- 5.22 DISCHARGES FROM SEDIMENT BASINS AND IMPONUMENTS SHALL BE DISCHARGED THROUGH A PIPE, WELL, VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT (4.1.7).
- 5.23 THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLEMENT BASINS OR DISCHARGED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS UTILIZED IN ACCORDANCE WITH PERMITS SHALL BE RECORDS FOR ALL DISCHARGES FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTONABLE COLOR OR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.
- 5.24 DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE BANK OF A STREAM (EPIHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.
- 5.25 STABILIZATION PROJECTS: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 14 DAYS

5.26 DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCES LOCATED ON OR NEAR THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A

- 5.27 STABILIZATION MEASURES WILL BE INITIATED AS SOON AS POSSIBLE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY OR PERMANENT STABILIZATION MEASURES SHALL BE OBTAINED AND TESTED BY THE MANUFACTURER OR THEIR REPRESENTATIVE TO IDENTIFY THE OPTIMUM FLOCCULANT RATE. SINCE FLOCCULANT EFFICIENCY IS HIGHLY DEPENDENT ON SOIL TYPE, SOIL SAMPLES WILL NEED TO BE OBTAINED FROM EACH SOIL SAMPLES WILL NEED TO BE OBTAINED AND SOCK SPACING CONFIGURATIONS. BEFORE FLOCCULANTS CAN BE MANUFACTURERS' GUIDANCE SHOULD BE FOLLOWED FOR BLOCK LOG APPLICATION OR DOSAGE RATE.
- 5.28 PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS UNMACH GRADER COUNTING FINES (SILT AND CLAY SIZE) PARTICLES) ON CRUISER RUN WILL NOT BE CONSIDERED A NON-EROSIVE SURFACE FOR WHICH FERTILIZER WILL BE APPLIED. SAMPLE TYPE SHOULD BE COLLECTED AND ANALYZED IN ACCORDANCE WITH THE UT EXTENSION SOIL TESTING BROCHURE PB1601 (4.1.5).
- 5.29 DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.
- 5.30 A SOIL ANALYSIS SHALL BE PERFORMED PRIOR TO THE APPLICATION OF FERTILIZERS TO ANY PORTION OF THE SITE. SOILS SHOULD BE ANALYZED FOR pH, BUFFER VALUE, PHOSPHOROUS, POTASSIUM, CALCIUM AND MAGNESIUM. SOIL SAMPLES SHOULD BE REPRESENTATIVE OF THE AREA TO WHICH FERTILIZER WILL BE APPLIED. SAMPLE TYPE SHOULD BE COLLECTED AND ANALYZED IN ACCORDANCE WITH THE UT EXTENSION SOIL TESTING BROCHURE PB1601 (4.1.5).
- 5.31 FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED FROM THE ANALYSES. APPLIED FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.
- 5.32 STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (3.5.3.2)
- 5.33 OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION EXIT (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- 5.34 TEMPORARY EPSC MEASURES MAY BE REMOVED AT THE BEGINNING OF THE WORKDAY, BUT MUST BE REINSTALLED AT THE END OF THE WORKDAY OR BEFORE A PRECIPITATION EVENT.
- 5.35 EPSC MEASURES LOCATED IN LOTUS (EPIHEMERAL STREAMS) MUST BE CONSIDERED TEMPORARY AND SHALL BE REMOVED AT THE END OF CONSTRUCTION.
- 5.36 THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT OFF THE PROJECT LIMITS (E.G. ROW, EASEMENT, ETC.) INTO WATERS OF THE STATE. THE PROJECT LIMITS USED BY THE PUBLIC WORKS AGENCY SHALL BE THE EXISTING LIMITS AND SHALL NOT BE EXCEEDED. THE CONTRACTOR SHALL MAINTAIN AND MAINTAIN A PROACTIVE METHOD TO PREVENT THE OFF-SITE MIGRATION OR DEPOSIT OF SEDIMENT ESCAPES. IF SEDIMENT ACCUMULATIONS OF SEDIMENT THAT HAVE NOT REACHED A STREAM MUST BE REMOVED TO A LEVEL SUFFICIENT TO MINIMIZE OFF-SITE IMPACTS (E.G., FUGITIVE SEDIMENT THAT HAS ESCAPED THE CONSTRUCTION SITE AND HAS COLLECTED IN A STREET MUST BE REMOVED SO THAT IT IS NOT SUBSEQUENTLY WASHED INTO STORM DRAINAGE SYSTEMS BY THE NEXT RAIN AND/OR SO THAT IT DOES NOT POST A SAFETY HAZARD TO USERS OF PUBLIC STREETS).
- 5.37 PROPERLY MUST BE SETTLED WITH THE ADJOINING PROPERTY OWNER ARRANGEMENTS CONCERNING REMOVAL OF SEDIMENT ON ADJOINING PROPERTY. SEDIMENT THAT MIGRATES INTO WATERS OF THE STATE SHALL NOT BE REMOVED WITHOUT GUIDANCE FROM TDOT ENVIRONMENTAL PERSONNEL.
- 5.38 OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION EXIT (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- 5.39 THE QUANTITIES REQUIRED FOR STABILIZED CONSTRUCTION EXIT PER TDOT STANDARDS HAVE BEEN SPECIFIED ON SHEET 2 AND 10 (3.5.3.1a).
- 5.40 DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS (4.1.4).
- 5.41 SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED TO PREVENT TRACKING OF SEDIMENT INTO WATERS OF THE STATE. THE SIZE OF THE CHANNELS THROUGH WHICH MUD OR FINE MATERIALS WILL BE DISCHARGED THROUGH A PIPE OR A WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.
- 5.42 DISCHARGES FROM SEDIMENT BASINS AND IMPONUMENTS SHALL BE DISCHARGED THROUGH A PIPE, WELL, VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT (4.1.7).
- 5.43 THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLEMENT BASINS OR DISCHARGED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS UTILIZED IN ACCORDANCE WITH PERMITS SHALL BE RECORDS FOR ALL DISCHARGES FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTONABLE COLOR OR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.
- 5.44 DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE BANK OF A STREAM (EPIHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.
- 5.45 STABILIZATION PROJECTS: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 14 DAYS

5.46 DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCES LOCATED ON OR NEAR THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A

- 6.1 POLYACRYLAMIDES (PAM) SHALL BE OF THE ANIONIC OR NEUTRALLY CHARGED TYPE ONLY. PAM REQUIREMENTS ARE AS FOLLOWS:
- 6.1.1 CATIONIC PAM IS NOT ALLOWED BECAUSE OF ITS TOXICITY TO FISH AND AQUATIC LIFE.
- 6.1.2 ANIONIC AND NEUTRALLY CHARGED PAM SHALL MEET THE EPA AND FDA ACRYLAMIDE MONOMER LIMITS OF EQUAL TO OR LESS THAN 0.05% BY WEIGHT ACRYLAMIDE MONOMER.
- 6.1.3 ANIONIC AND NEUTRALLY CHARGED PAM SHALL HAVE A DENSITY OF 10% TO 55% BY WEIGHT AND A MOLECULAR WEIGHT OF 16 TO 24 MCG/MOLE.
- 6.1.4 PAM MIXTURES SHALL BE NON-COMBUSTIBLE.
- 6.1.5 PAM SHALL CONTAIN ONLY MANUFACTURER-RECOMMENDED ADDITIVES.
- 6.2 ALL PHYSICAL AND/OR CHEMICAL TREATMENT WILL BE RESEARCHED, APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S GUIDELINES AND FULLY DESCRIBED ON THE EPSC PLANS (3.5.3.1b).
- 6.3 FLOCCULANTS SHALL BE HANDLED IN ACCORDANCE WITH ALL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) MATERIAL ACCORDANCE WITH THE MANUFACTURERS' RECOMMENDATIONS FOR SAFETY DATA SHEET (MSDS) REQUIREMENTS AND SHALL BE APPLIED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS.
- 6.4 ALL VENDORS AND SUPPLIERS OF FLOCCULANTS SHALL PRESENT OR SUPPLY A WRITTEN TOXICITY REPORT FOR BOTH ACUTE AND CHRONIC TOXICITY TESTS WHICH VERIFIES THAT THE FLOCCULANT EXHIBITS ACCEPTABLE TOXICITY PARAMETERS WHICH MEET OR EXCEED THE EPA REQUIREMENTS FOR THE STATE AND FEDERAL WATER QUALITY STANDARDS. WHOLE EFFLUENT TESTING DOES NOT MEET THIS REQUIREMENT AS PRIMARY REASONING HAVE OCCURRED AND TOXIC POTENTIALS HAVE BEEN REDUCED.
- 6.5 DO NOT APPLY FLOCCULANTS DIRECTLY TO, OR WITHIN 60 FEET OF ANY STREAMS, WETLANDS, OR OTHER NATURAL WATER RESOURCES LOCATED ON OR NEAR THE CONSTRUCTION SITE. DO NOT APPLY FLOCCULANTS DIRECTLY INTO WATERS CONTAINED WITHIN SEDIMENT PONDS OR TO SLOPES THAT PRODUCE RUNOFF DIRECTLY INTO A

7. ARE UTILITIES INCLUDED IN THE CONTRACT? YES NO
- IF YES, THE FOLLOWING NOTES APPLY:
- 7.1 STORMWATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND TREATED PRIOR TO DISCHARGE.
- 7.2 SILT FENCE SHALL BE INSTALLED ON THE DOWNGRADIENT SIDE OF STOCKPILING SOIL. ANY TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING DRY CONDITIONS. REMOVED AND STABILIZED BY THE END OF THE WORK DAY.
- 7.3 UTILITY CROSSINGS IN ENVIRONMENTAL FEATURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. ENVIRONMENTAL PERMITS APPLY TO UTILITIES IN THIS PROJECT. THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE PERMITS.
- 7.4 IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR TO PROTECT EXPOSED EARTH FROM EROSION AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE EPSC MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. THE COMPLETION OF THEIR WORK, EXPONED 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/S.
- 7.5 FOR THE INSTALLATION OF BURIED UTILITIES (Pipes AND CABLES), TRENCHES SHALL BE BACKFILLED DEEPLY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SODDED AND MULCHED OR SODED DAILY IF POSSIBLE, BUT NO LATER THAN FOURTEEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOOLS OF EXCAVATED EARTH SHALL BE LOCATED WITHIN THE TRENCH AND NOT BACKFILLED OVERNIGHT. MEASURES, IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL THE TRENCH IS BACKFILLED.
- 7.6 IN REGARDS TO EPSC, TDEC REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS ON THIS PROJECT. THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT.
8. BEFORE FLOCCULANTS OR OTHER NATURAL WATER RESOURCES DO NOT APPLY FLOCCULANTS IMMEDIATELY AT A STORMWATER OUTFALL WHERE RUNOFF LEAVES THE PROJECT LIMITS.
- 8.1 BEFORE FLOCCULANTS CAN BE USED ON A CONSTRUCTION PROJECT, SITE-SPECIFIC SOIL SAMPLES MUST BE OBTAINED AND TESTED BY THE MANUFACTURER OR THEIR REPRESENTATIVE TO IDENTIFY THE OPTIMUM FLOCCULANT TYPE AND APPLICATION RATE. SINCE FLOCCULANT EFFICIENCY IS HIGHLY DEPENDENT ON SOIL TYPE, SOIL SAMPLES WILL NEED TO BE OBTAINED FROM EACH SOIL TYPE. SOIL SAMPLES WILL NEED TO BE OBTAINED AND SOCK SPACING CONFIGURATIONS. BEFORE FLOCCULANTS CAN BE MANUFACTURERS' GUIDANCE SHOULD BE FOLLOWED FOR BLOCK LOG APPLICATION OR DOSAGE RATE.
- 8.2 PRIORITY SHALL BE GIVEN TO FINISHING OPERATIONS AND PERMANENT EPSC MEASURES OVER TEMPORARY EPSC MEASURES ON ALL PROJECTS UNMACH GRADER COUNTING FINES (SILT AND CLAY SIZE) PARTICLES) ON CRUISER RUN WILL NOT BE CONSIDERED A NON-EROSIVE SURFACE FOR WHICH FERTILIZER WILL BE APPLIED. SAMPLE TYPE SHOULD BE COLLECTED AND ANALYZED IN ACCORDANCE WITH THE UT EXTENSION SOIL TESTING BROCHURE PB1601 (4.1.5).
- 8.3 DELAYING THE PLANTING OF COVER VEGETATION UNTIL WINTER MONTHS OR DRY MONTHS SHOULD BE AVOIDED, IF POSSIBLE.
- 8.4 A SOIL ANALYSIS SHALL BE PERFORMED PRIOR TO THE APPLICATION OF FERTILIZERS TO ANY PORTION OF THE SITE. SOILS SHOULD BE ANALYZED FOR pH, BUFFER VALUE, PHOSPHOROUS, POTASSIUM, CALCIUM AND MAGNESIUM. SOIL SAMPLES SHOULD BE REPRESENTATIVE OF THE AREA TO WHICH FERTILIZER WILL BE APPLIED. SAMPLE TYPE SHOULD BE COLLECTED AND ANALYZED IN ACCORDANCE WITH THE UT EXTENSION SOIL TESTING BROCHURE PB1601 (4.1.5).
- 8.5 FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED FROM THE ANALYSES. APPLIED FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.
- 8.6 STEEP SLOPES SHALL BE TEMPORARILY STABILIZED NOT LATER THAN 7 DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED. (3.5.3.2)
- 8.7 OFFSITE VEHICLE TRACKING OF SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED. A STABILIZED CONSTRUCTION EXIT (A POINT OF ENTRANCE/EXIT TO THE CONSTRUCTION PROJECT) SHALL BE PROVIDED TO REDUCE THE TRACKING OF MUD AND DIRT ONTO PUBLIC ROADS BY CONSTRUCTION VEHICLES.
- 8.8 THE QUANTITIES REQUIRED FOR STABILIZED CONSTRUCTION EXIT PER TDOT STANDARDS HAVE BEEN SPECIFIED ON SHEET 2 AND 10 (3.5.3.1a).
- 8.9 DISCHARGES FROM DEWATERING ACTIVITIES ARE PROHIBITED UNLESS TREATMENT (FILTRATION) NECESSARY TO COMPLY WITH PERMIT REQUIREMENTS (4.1.4).
- 8.10 SETTLING BASINS AND SEDIMENT TRAPS SHALL BE PROPERLY DESIGNED TO PREVENT TRACKING OF SEDIMENT INTO WATERS OF THE STATE. THE SIZE OF THE CHANNELS THROUGH WHICH MUD OR FINE MATERIALS WILL BE DISCHARGED THROUGH A PIPE OR A WELL VEGETATED OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT.
- 8.11 DISCHARGES FROM SEDIMENT BASINS AND IMPONUMENTS SHALL BE DISCHARGED THROUGH A PIPE, WELL, VEGETATED AND/OR LINED CHANNEL, SO THAT THE DISCHARGE DOES NOT CAUSE EROSION OR SEDIMENT TRANSPORT (4.1.7).
- 8.12 THE DEWATERING OF WORK AREAS, TRENCHES, FOUNDATIONS, EXCAVATIONS, ETC. THAT HAVE COLLECTED STORMWATER WATER FROM VEHICLE WASH AREAS, OR GROUNDWATER SHALL BE EITHER HELD IN SETTLEMENT BASINS OR DISCHARGED BY FILTRATION AND/OR CHEMICAL TREATMENT PRIOR TO ITS DISCHARGE. ALL CHEMICAL TREATMENTS UTILIZED IN ACCORDANCE WITH PERMITS SHALL BE RECORDS FOR ALL DISCHARGES FROM DEWATERING ACTIVITIES SHALL NOT CAUSE AN OBJECTONABLE COLOR OR CONTRAST WITHIN THE RECEIVING NATURAL RESOURCE. WATER MUST BE HELD WITHIN SETTLING BASINS UNTIL IT IS AT LEAST AS CLEAR AS THE RECEIVING WATERS.
- 8.13 DEWATERING STRUCTURES, SEDIMENT FILTER BAGS, SEDIMENT BASINS AND TRAPS SHALL NOT BE LOCATED CLOSER THAN 30 FEET (60 FEET DESIRABLE VEGETATIVE BUFFER) FOR WATERS WITH UNAVAILABLE PARAMETERS AND EXCEPTIONAL TENNESSEE WATERS AND 15 FEET (30 FEET DESIRABLE VEGETATIVE BUFFER) FOR ALL OTHER FEATURES FROM THE BANK OF A STREAM (EPIHEMERAL), WETLAND OR OTHER NATURAL RESOURCE AND SHALL BE PROPERLY DESIGNED PER THE SIZE OF THE DRAINAGE AREAS OR VOLUME OF WATER TO BE TREATED.
- 8.14 STABILIZATION PROJECTS: PRE-CONSTRUCTION VEGETATIVE COVER WILL NOT BE DESTROYED, REMOVED OR DISTURBED MORE THAN 14 DAYS

SHEET NO.	PROJECT NO.	YEAR	TYPE	P.E.	CONST.
1	46003-1225-94	2017			
2					
3					
4					
5					
6					
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11					
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- 7.7. TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORMWATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EPSC MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.
- 7.8. FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TRENCH IS STABILIZED WITH FINAL VEGETATIVE COVER.
- 7.9. THE UTILTY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS AS APPROVED BY THE TDOT RESPONSIBLE PARTY.
- 7.10. THE UTILTY CONTRACTOR WILL PROVIDE APPROXIMATE EPSC MEASURES TO REPLACE EXISTING EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPAIRMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT ENGINEER BEFORE COMMENCING WORK.
- 7.11. FOR UTILTY CROSSINGS THAT UTILIZE HORIZONTAL DIRECTIONAL DRILLING THE FOLLOWING SHALL APPLY:
- 7.11.1. THE ENTRY AND EXIT POINTS SHALL BE AT LEAST 50 FEET FROM THE STREAM BANK OR WETLAND BOUNDARY.
- 7.11.2. THE DEPTH OF BORE BELOW THE STREAMBED IS SUFFICIENT TO PREVENT RELEASE OF DRILLING FLUID, BASED ON THE PARENT MATERIAL.
- 7.11.3. A SITE-SPECIFIC CONTINGENCY AND CONTAINMENT PLAN FOR UNANTICIPATED RELEASE OF DRILLING FLUID SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT OF WORK. THIS PLAN SHALL BE SUBMITTED TO THE TDOT PROJECT ENGINEER AND THE TDOT ENVIRONMENTAL DIVISION PERMITS AND/OR COMPLIANCE AND FIELD SERVICES OFFICE FOR REVIEW AND APPROVAL.
8. MAINTENANCE AND INSPECTION
- 8.1. INSPECTION PRACTICES (3.5.8)
- 8.1.1. PROJECT EPSC INSPECTORS AND ENGINEERS (INCLUDING TDOT STAFF, CONSULTANTS AND CONTRACTOR STAFF) RESPONSIBLE FOR THE INSPECTION, IMPLEMENTATION, MAINTENANCE, AND/OR REPAIR OF EPSC MEASURES SHALL MEET ONE OF THE FOLLOWING REQUIREMENTS (3.5.8.1):
- 8.1.1.1. SUCCESSFULLY COMPLETED THE TDOT EPSC INSPECTIONS TRAINING AND ANY RECERTIFICATION COURSE AS REQUIRED.
- 8.1.1.2. SUCCESSFULLY COMPLETED THE TDSC LEVEL I - FUNDAMENTALS OF EROSION PREVENTION AND SEDIMENT CONTROL COURSE AND ANY RECERTIFICATION COURSES AS REQUIRED.
- 8.1.1.3. BE A CURRENT TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT.
- 8.1.1.4. BE A CURRENT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).
- 8.1.1.5. SUCCESSFULLY COMPLETED TDSC LEVEL II - DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.
- 8.1.2. THE TDOT CONSTRUCTION ENGINEER (OR THEIR DUTY AUTHORIZED REPRESENTATIVE) AND THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION ENGINEER OR THEIR DUTY AUTHORIZED REPRESENTATIVE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.
- 8.1.3. THE INSPECTOR SHALL CONDUCT 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 (0 INSPECTOR) (3.5.1.0).
- 8.1.4. THE EPSC CONTROL SHALL BE INSPECTED TO VERIFY MEASURES DOCUMENTED ON THE TDOT EPSC INSPECTION REPORT FORM ENGINEERING PRACTICES. EPSC INSPECTIONS SHALL BE CONDUCTED ON THE TDOT EPSC INSPECTION REPORT FORM.
- 8.2. DUTY AUTHORIZED REPRESENTATIVE (7.7.3)
- 8.2.1. THE PROJECT ENGINEER MAY DELEGATE AN INDIVIDUAL AND/OR CONSULTANT TO SIGN EPSC INSPECTIONS REPORTS, FOR SATISFYING SIGNATORY REQUIREMENTS FOR EPSC INSPECTION REPORTS. THE PROJECT ENGINEER AND NEWLY AUTHORIZED INDIVIDUAL ACCEPTING RESPONSIBILITY MUST COMPLETE AND SIGN THE TDOT CONSTRUCTION DIVISION EPSC DELEGATION OF AUTHORITY.
- 8.2.2. MAINTENANCE PRACTICES (3.5.3.1 AND 3.5.7)
- 8.3.1. ALL CONTROLS WILL BE MAINTAINED IN GOOD AND EFFECTIVE OPERATING ORDER AND IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES. (3.5.3.1.b)
- 8.3.2. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 8.3.3. UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE, MORE THAN 24 HOURS AFTER THE INSPECTION OR WHEN REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.
10. STORMWATER MANAGEMENT (3.5.4)
- 10.1. STORMWATER MANAGEMENT WILL BE HANDLED BY TEMPORARY CONTROLS OUTLINED IN THIS SWPPP AND ANY PERMANENT CONTROLS NEEDED TO MEET PERMANENT STORMWATER MANAGEMENT NEEDS IN THE POST CONSTRUCTION PERIOD. PERMANENT CONTROLS WILL BE DEPICTED ON THE PLANS AND NOTED AS PERMANENT.
- 10.2. DESCRIBE ANY SPECIFIC POST-CONSTRUCTION MEASURES THAT WILL CONTROL VELOCITY, POLLUTANTS, AND/OR EROSION (3.5.4). RIBRAP, SOD CONSTRUCTION MATERIALS: THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY.)
- LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
- CONCRETE WASHOUT
- PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
- MINERAL AGGREGATES, ASPHALT
- EARTH
- LIQUID TRAFFIC STRIPING MATERIALS, PAINT
- ROCK
- CURING COMPOUND
- EXPLOSIVES
- OTHER _____
- 10.3. OTHER ITEMS NEEDING CONTROL (3.5.5)
- 10.3.1. THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY.)
- LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
- CONCRETE WASHOUT
- PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
- MINERAL AGGREGATES, ASPHALT
- EARTH
- LIQUID TRAFFIC STRIPING MATERIALS, PAINT
- ROCK
- CURING COMPOUND
- EXPLOSIVES
- OTHER _____
- 10.4. WASTE MATERIALS (3.5.6)
- 10.4.1. WASTE MATERIALS (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED

STORMWATER
 POLLUTION
 PREVENTION
 PLAN

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

AND THE TDSC CONSTRUCTION STORMWATER INSPECTION CERTIFICATION (TWICE-WEEKLY INSPECTIONS) FORM.

- 8.1.5. OUTFALL POINTS SHALL BE INSPECTED TO ASCERTAIN WHETHER EPSC MEASURES ARE EFFECTIVE IN PREVENTING EROSION AND CONSIDERING STATE WATERS (EPIHEMAL, SURROUNDING STATE WATERS (EPIHEMAL), WETLANDS OTHER THAN UPLAND RESOURCES AND ADJACENT PROPERTY OWNERS, WHERE DISCHARGE LOCATIONS ARE INACCESSIBLE, NEARBY DOWN GRADIENT LOCATIONS SHALL BE INSPECTED. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE TRENCH SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE ROADWAY SEDIMENT TRACING.
- 8.3.5. INSPECTIONS WILL BE CONDUCTED AT LEAST TWICE EVERY CALENDAR WEEK AND AT LEAST 72 HOURS APART (3.5.2.a). A CALENDAR WEEK IS DEFINED AS SUNDAY THROUGH SATURDAY. QUALITY ASSURANCE INSPECTIONS OF TDOT EPSC, NPDES AND WATER QUALITY PERMIT REQUIREMENTS SHALL BE PERFORMED COORDINATED WITH THE TDOT ENGINEER BEFORE COMMENCING WORK.
- 8.3.6. DRILLING THE FOLLOWING SHALL APPLY:
- 8.3.7. THE FREQUENCY OF EPSC INSPECTIONS MAY BE REDUCED TO ONCE A MONTH WHERE SITES OR PORTIONS OF SITES HAVE BEEN TEMPORARILY STABILIZED UNTIL CONSTRUCTION ACTIVITIES RESUME WITH NOTIFICATION BY THE TDOT REGIONAL ENGINEER TO TDSC WASHVILLE CENTRAL OFFICE AND SUBSEQUENT TDSC APPROVAL WRITTEN NOTIFICATION MUST INCLUDE THE INTENT TO CHANGE FREQUENCY AND PER THE TDOT ENVIRONMENTAL DIVISION COMPLIANCE AND FIELD SERVICES OFFICE.
- 8.3.8. ALL DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED, AREAS USED FOR MATERIAL STORAGE THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, AND EACH OUTFALL WILL BE INSPECTED (3.5.2.b).
- 8.3.9. THE INSPECTOR WILL OVERSEE THE REQUIREMENTS OF OTHER CONSTRUCTION RELATED WATER QUALITY PERMITS (I.E. TDSC ARAJ USAGE SECTION 404, AND TVA SECTION 26a PERMITS) FOR CONSTRUCTION ACTIVITIES AROUND WATERS OF THE STATE (0 INSPECTOR).
- 8.3.10. THE SWPPP WILL BE REVISED AS NECESSARY BASED ON THE RESULTS OF THE INSPECTION. REVISIONS WILL BE RECORDED WITHIN 7 DAYS OF THE INSPECTION. REVISIONS (3.5.2.e AND 3.5.2.f).
- 8.3.11. DOCUMENTATION OF INSPECTIONS WILL BE MAINTAINED ON SITE IN THE DOCUMENTATION AND PERMITS BINDER. REPORTS WILL BE SUBMITTED TO THE TDOT PROJECT ENGINEER PER THE CONTRACT.
- 8.3.12. THESE INSPECTION REQUIREMENTS DO NOT APPLY TO DEFINABLE AREAS OF THE SITE THAT HAVE MET FINAL STABILIZATION REQUIREMENTS AND HAVE BEEN NOTED IN THE SWPPP.
- 8.3.13. TRAINED CERTIFIED INSPECTORS SHALL COMPLETE INSPECTION TO THE BEST OF THEIR ABILITY, FALSIFYING INSPECTION REPORTS OR OTHER DOCUMENTATION OR FAILURE TO COMPLETE INSPECTION DOCUMENTATION SHALL RESULT IN A VIOLATION OF THIS PERMIT AND ANY OTHER APPLICABLE ACTS OR RULES (3.5.2.h).
- 8.3.14. THE TDOT CONSTRUCTION ENGINEER (OR THEIR DUTY AUTHORIZED REPRESENTATIVE) AND THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION ENGINEER OR THEIR DUTY AUTHORIZED REPRESENTATIVE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.
- 8.3.15. SUCCESSFULLY COMPLETED TDSC LEVEL II - DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.
- 8.3.16. BE A CURRENT TN LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT.
- 8.3.17. BE A CURRENT CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC).
- 8.3.18. SUCCESSFULLY COMPLETED TDSC LEVEL II - DESIGN PRINCIPLES FOR EROSION PREVENTION AND SEDIMENT CONTROL FOR CONSTRUCTION SITES COURSE AND ANY RECERTIFICATION COURSE AS REQUIRED.
- 8.3.19. THE TDOT CONSTRUCTION ENGINEER (OR THEIR DUTY AUTHORIZED REPRESENTATIVE) AND THE CONTRACTOR'S SITE SUPERINTENDENT ARE RESPONSIBLE FOR INSPECTIONS. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE TDOT CONSTRUCTION ENGINEER OR THEIR DUTY AUTHORIZED REPRESENTATIVE SHALL COMPLETE THE EPSC INSPECTION REPORTS AND DISTRIBUTE COPIES PER THE CONTRACT.
- 8.3.20. THE PROJECT ENGINEER MAY DELEGATE AN INDIVIDUAL AND/OR CONSULTANT TO SIGN EPSC INSPECTIONS REPORTS, FOR SATISFYING SIGNATORY REQUIREMENTS FOR EPSC INSPECTION REPORTS. THE PROJECT ENGINEER AND NEWLY AUTHORIZED INDIVIDUAL ACCEPTING RESPONSIBILITY MUST COMPLETE AND SIGN THE TDOT CONSTRUCTION DIVISION EPSC DELEGATION OF AUTHORITY.
- 8.3.21. ALL CONTROLS WILL BE MAINTAINED IN GOOD AND EFFECTIVE OPERATING ORDER AND IN ACCORDANCE WITH TDOT STANDARD DRAWINGS AND GOOD ENGINEERING PRACTICES. (3.5.3.1.b)
- 8.3.22. MAINTENANCE AND REPAIR ACTIVITIES ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 8.3.3. UPON CONCLUSION OF THE INSPECTIONS, EPSC MEASURES FOUND TO BE INEFFECTIVE SHALL BE REPAIRED, REPLACED, OR MODIFIED BEFORE THE NEXT RAIN EVENT, IF POSSIBLE, BUT IN NO CASE, MORE THAN 24 HOURS AFTER THE INSPECTION OR WHEN REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT THESE MATERIALS WILL BE HANDLED AS NOTED IN THIS SWPPP.
10. STORMWATER MANAGEMENT (3.5.4)
- 10.1. STORMWATER MANAGEMENT WILL BE HANDLED BY TEMPORARY CONTROLS OUTLINED IN THIS SWPPP AND ANY PERMANENT CONTROLS NEEDED TO MEET PERMANENT STORMWATER MANAGEMENT NEEDS IN THE POST CONSTRUCTION PERIOD. PERMANENT CONTROLS WILL BE DEPICTED ON THE PLANS AND NOTED AS PERMANENT.
- 10.2. DESCRIBE ANY SPECIFIC POST-CONSTRUCTION MEASURES THAT WILL CONTROL VELOCITY, POLLUTANTS, AND/OR EROSION (3.5.4). RIBRAP, SOD CONSTRUCTION MATERIALS: THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY.)
- LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
- CONCRETE WASHOUT
- PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
- MINERAL AGGREGATES, ASPHALT
- EARTH
- LIQUID TRAFFIC STRIPING MATERIALS, PAINT
- ROCK
- CURING COMPOUND
- EXPLOSIVES
- OTHER _____
- 10.3. OTHER ITEMS NEEDING CONTROL (3.5.5)
- 10.3.1. THE FOLLOWING MATERIALS OR SUBSTANCES ARE EXPECTED TO BE PRESENT ON THE SITE DURING THE CONSTRUCTION PERIOD. (CHECK ALL THAT APPLY.)
- LUMBER, GUARDRAIL, TRAFFIC CONTROL DEVICES
- CONCRETE WASHOUT
- PIPE CULVERTS (I.E. CONCRETE, CORRUGATED METAL, HDPE, ETC.)
- MINERAL AGGREGATES, ASPHALT
- EARTH
- LIQUID TRAFFIC STRIPING MATERIALS, PAINT
- ROCK
- CURING COMPOUND
- EXPLOSIVES
- OTHER _____
- 10.4. WASTE MATERIALS (3.5.6)
- 10.4.1. WASTE MATERIALS (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED

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- 12.11. CONTRACTORS BULK FUEL AND PETROLEUM PRODUCTS STORED ON-SITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE TANKS WITH AGGREGATE STORAGE CAPACITY IN EXCESS OF 1,200 GALLONS SHALL HAVE SECONDARY CONTAINMENT.
- 12.12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A PLAN AS REQUIRED BY DOT SPECIAL PROVISION (SPCC) REGARDING WATER QUALITY AND STORM WATER PERMITS) AND THE LAW.
- 12.13. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ON-SITE AND A COPY PROVIDED TO THE DOT CONSTRUCTION ENGINEER.
- 12.2. MATERIAL MANAGEMENT
- 12.2.1. HOUSEKEEPING
- 12.4.2. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA, ON-SITE AND UNDER COVER AS APPROPRIATE. EQUIPMENT AND MATERIALS MAY INCLUDE ITEMS SUCH AS BOOMS, DUST PANS, MOPS, RAGS, GLOVES, KITTY TRASH LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR CLEANUP PURPOSES.
- 12.4.3. ALL SPILLS WILL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- 12.4.4. THE CONTRACTOR'S RESPONSIBLE PARTY WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.
- 12.4.5. IF SPILLS REPRESENT AN IMMEDIATE THREAT OF ESCAPING TO SITE AND ENTERING RECEIVING WATERS, PERSONNEL WILL RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.
- 12.4.6. IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER DURING WET WEATHER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND. WASH WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM. POTENTIAL PH-HOPPING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS AND CURING WATERS, CONCRETE WASHINGS, AND WASHOUT WATERS WILL BE COLLECTED ON-SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.
- 12.3. PRODUCT SPECIFIC PRACTICES
- 12.3.1. PETROLEUM PRODUCTS: ALL ON-SITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED.
- 12.3.2. FERTILIZERS: FERTILIZERS WILL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED BY THE SOIL ANALYSIS OR DOT. ONCE APPLIED, FERTILIZERS WILL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER. FERTILIZERS WILL BE STORED IN PARTIALLY USED FERTILIZER BAGS WILL BE TRANSFERRED TO SEALABLE CONTAINERS TO AVOID SPILLS.
- 12.3.3. PAINTS: ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. THE EXCESS WILL BE DISPOSED OF PER THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- 12.3. SPILL PREVENTION, MANAGEMENT AND NOTIFICATION (3.5.5.c, 5.1)
- 12.1. SPILL PREVENTION (3.5.5.c)

- 12.1.1. ALLOWABLE NON-STORMWATER DISCHARGES ARE ANTICIPATED DURING THE CONSTRUCTION OF THIS PROJECT (CHECK ALL THAT APPLY).
- DETERMINING OF WORK AREAS OF COLLECTED STORMWATER AND GROUND WATER.
- WATERS USED TO WASH VEHICLES (OF DUST AND SOIL) WHERE DEFENDERS ARE NOT USED AND DETENTION AND/OR FILTERING IS PROVIDED BEFORE THE WATER LEAVES THE SITE.
- WATER USED TO CONTROL DUST. (3.5.3.1.n)
- PORTABLE WATER SOURCES INCLUDING WATERLINE FLUSHING FROM WHICH CHLORINE HAS BEEN REMOVED TO THE MAXIMUM EXTENT PRACTICABLE.
- UNCONTAMINATED GROUNDWATER OR SPRING WATER.
- FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH POLLUTANTS.
- OTHER: _____
- 12.2. ALLOWABLE NON-STORMWATER DISCHARGES WILL BE DIRECTED TO FILTERING OR CHEMICAL TREATMENT MAY BE NECESSARY PRIOR TO DISCHARGE. ALL CHEMICAL TREATMENTS MUST BE APPLIED PER SECTION 6 FLOCCULANTS.
- 12.3. THE DESIGN OF ALL IMPACTED EPCO MEASURES RECEIVING FLOW FROM ALLOWABLE NON-STORMWATER DISCHARGES MUST BE DESIGNED TO HANDLE THE VOLUME OF THE NON-STORMWATER COMPONENT.
- 12.4. WASH DOWN OR WASTY DISCHARGE OF CONCRETE TRUCKS WILL NOT BE PERMITTED ON-SITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.
- 12.5. ARE ANY DISCHARGES ASSOCIATED WITH INDUSTRIAL (NON-CONSTRUCTION STORMWATER) ACTIVITY EXPECTED (3.5.1.i)?
- YES NO
- IF YES, SPECIFY THE LOCATION OF THE ACTIVITY AND ITS PERMIT NUMBER: _____
- 12.5.1. THE DOT PROJECT ENGINEER IS RESPONSIBLE FOR NOTIFYING TRANSPORTATION ENVIRONMENTAL STUDIES SPECIALIST(S) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE.
- 12.5.2. THE DOT REGIONAL PROJECT DEVELOPMENT OFFICE WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.
- 12.5.3. IN ADDITION TO ANY FOLLOW UP NOTIFICATIONS REQUIRED BY FEDERAL LAW, A WRITTEN DESCRIPTION OF THE RELEASE, DATE
- 12.5.4. CONCRETE TRUCKS: CONTRACTORS WILL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF CONTAINED AND NOT CONNECTED TO ANY STORMWATER WASHOUT AREAS WILL BE PROPERLY STABILIZED.
- 12.4. SPILL MANAGEMENT
- 12.4.1. FOR ALL HAZARDOUS MATERIALS STORED ON SITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED. SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.
- 12.4.2. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT WILL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA, ON-SITE AND UNDER COVER AS APPROPRIATE. EQUIPMENT AND MATERIALS MAY INCLUDE ITEMS SUCH AS BOOMS, DUST PANS, MOPS, RAGS, GLOVES, KITTY TRASH LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR CLEANUP PURPOSES.
- 12.4.3. ALL SPILLS WILL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- 12.4.4. THE CONTRACTOR'S RESPONSIBLE PARTY WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.
- 12.4.5. IF SPILLS REPRESENT AN IMMEDIATE THREAT OF ESCAPING TO SITE AND ENTERING RECEIVING WATERS, PERSONNEL WILL RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.
- 12.4.6. IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL AND OTHER ACTIVITIES WHICH MAY RESULT IN THE ACCIDENTAL RELEASE OF CONTAMINANTS WILL BE CONDUCTED ON AN IMPERVIOUS SURFACE AND UNDER COVER DURING WET WEATHER TO PREVENT THE RELEASE OF CONTAMINANTS ONTO THE GROUND. WASH WATER WILL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER WILL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM. POTENTIAL PH-HOPPING MATERIALS SUCH AS: BULK CEMENT, CEMENT KILN DUST, FLY ASH, NEW CONCRETE WASHINGS AND CURING WATERS, CONCRETE WASHINGS, AND WASHOUT WATERS WILL BE COLLECTED ON-SITE AND MANAGED TO PREVENT CONTAMINATION OF STORMWATER RUNOFF.
- 12.4.8. APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ON-SITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.
- 12.5. SPILL NOTIFICATION (5.1)
- WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR MORE THAN 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD.
- 12.5.1. THE DOT PROJECT ENGINEER IS RESPONSIBLE FOR NOTIFYING TRANSPORTATION ENVIRONMENTAL STUDIES SPECIALIST(S) AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE.
- 12.5.2. THE DOT REGIONAL PROJECT DEVELOPMENT OFFICE WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.
- 12.5.3. IN ADDITION TO ANY FOLLOW UP NOTIFICATIONS REQUIRED BY FEDERAL LAW, A WRITTEN DESCRIPTION OF THE RELEASE, DATE

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- 13.1. RECORD-KEEPING
- 13.1.1. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS, MEASURES
- 13.1.2. RECORDS OF EPC INSPECTION REPORTS AND CORRECTIVE MEASURES
- 13.1.3. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS, MEASURES
- 13.1.4. RECORDS OF EPC INSPECTION REPORTS AND CORRECTIVE MEASURES
- 13.1.5. RECORDS OF EPC INSPECTION REPORTS AND CORRECTIVE MEASURES
- 13.1.6. RECORDS OF EPC INSPECTION REPORTS AND CORRECTIVE MEASURES
- 13.1.7. RECORDS OF EPC INSPECTION REPORTS AND CORRECTIVE MEASURES
- 13.1.8. RECORDS OF EPC INSPECTION REPORTS AND CORRECTIVE MEASURES
- 13.1.9. RECORDS OF EPC INSPECTION REPORTS AND CORRECTIVE MEASURES
- 13.2. RAINFALL MONITORING PLAN (5.3.10)
- 13.2.1. EQUIPMENT
- 13.2.2. LOCATION
- 13.2.3. METHODS
- 13.2.4. EACH RAIN GAUGE WILL BE READ FOR DETAILED RECORDS OF RAINFALL AND EMITTED AFTER EVERY RAINFALL EVENT OCCURRING ON THE PROJECT SITE AT APPROXIMATELY THE SAME TIME OF THE DAY (DURING NORMAL BUSINESS HOURS). DURING PERIODS OF DRY CONDITIONS, IT WILL NOT BE NECESSARY TO READ THE RAIN GAUGE EVERY DAY. IN LIEU OF THIS REQUIREMENT ON WEEKENDS AND ON STATE HOLIDAYS, THE RAIN GAUGES CAN BE EMPTIED THE NEXT BUSINESS DAY AND A REFERENCE SITE USED FOR A RECORD OF DAILY AMOUNT OF
- 13.3. KEEPING PLANS CURRENT (3.4)
- 13.3.1. THE EPC PLAN IS TO SERVE AS AN INITIAL GUIDE FOR SITE MEASUREMENT
- 13.3.2. THE STAGES DEPICTED WITHIN THE EPC PLANS MAY NOT CONCISE WITH THE ACTUAL STAGES OF CONSTRUCTION ESTABLISHED BY THE CONTRACTOR DURING CONSTRUCTION. PLANS MODIFICATIONS WILL BE REQUIRED TO ENSURE THE EPC PLAN IS MAINTAINED TO DEPICT CURRENT SITE CONDITIONS. IT SHOULD BE MAINTAINED SUCH THAT IT WILL ALWAYS REFLECT THE MESSAGES THAT ARE INSTALLED DURING THE VARIOUS STAGES OF CONSTRUCTION. IT IS IMPRACTICAL TO DETERMINE ALL THE INTERMEDIATE STAGES OF CONSTRUCTION THAT WILL OCCUR, THUS THESE DOCUMENTS MUST BE UPDATED THROUGHOUT THE LIFE OF THE CONSTRUCTION PROJECT.
- 13.3.3. THE TPO EPC INSPECTOR OR THEIR DUTY AUTHORIZED REPRESENTATIVE WILL MODIFY AND UPDATE THE SWPPP WHEN ANY OF THE FOLLOWING CONDITIONS APPLY:
- 13.3.3.1. WHENEVER THERE IS A CHANGE IN THE SCOPE OF THE PROJECT THAT WOULD BE EXPECTED TO HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE SWPPP.
- 13.3.3.2. WHENEVER INSPECTIONS OR INVESTIGATIONS BY SITE OPERATORS, LOCAL STATE, OR FEDERAL OFFICIALS INDICATE THE SWPPP IS PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM CONSTRUCTION ACTIVITY SOURCES, OR IS OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ON THE PROJECT.
- 13.3.3.3. WHEN ANY NEW OPERATOR AND/OR SUPERVISOR IS ASSIGNED OR RELIEVED OF THEIR RESPONSIBILITY TO IMPLEMENT A PORTION OF THE SWPPP.
- 13.3.3.4. TO PREVENT A NEGATIVE IMPACT TO LEGALLY PROTECTED STATE OR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED AQUATIC FAUNA.
- 13.3.3.5. WHEN THERE IS A CHANGE IN CHEMICAL TREATMENT METHODS INCLUDING: USE OF DIFFERENT TREATMENT CHEMICALS, DIFFERENT DOSAGE OR APPLICATION RATES OR A DIFFERENT AREA OF APPLICATION NOT SPECIFIED ON THE EPC PLANS.
- 13.3.3.6. ALL SWPPP REVISIONS SHALL BE RECORDED WITHIN 7 DAYS BY THE PROJECT EPC INSPECTOR.
- 13.3.4. TO PREVENT A NEGATIVE IMPACT TO LEGALLY PROTECTED STATE OR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED AQUATIC FAUNA.
- 13.3.5. WHEN THERE IS A CHANGE IN CHEMICAL TREATMENT METHODS INCLUDING: USE OF DIFFERENT TREATMENT CHEMICALS, DIFFERENT DOSAGE OR APPLICATION RATES OR A DIFFERENT AREA OF APPLICATION NOT SPECIFIED ON THE EPC PLANS.
- 13.3.6. ALL SWPPP REVISIONS SHALL BE RECORDED WITHIN 7 DAYS BY THE PROJECT EPC INSPECTOR.

- 13.3.7. WATER A TMDL IS DEVELOPED FOR THE RECEIVING WATERS FOR A POLLUTANT OF CONCERN (SILTATION AND/OR HABITAT ALTERATION). CONSTRUCTION SHALL NOTIFY THE PERMITS SECTION FOR PROPER COORDINATION.
- 13.3.7.1. TPO WILL RETAIN A COPY OF THIS SWPPP INCLUDING A COPY OF THE DOCUMENTATION AND PERMITS BINDER AT THE CONSTRUCTION SITE OR OTHER LOCATION ACCESSIBLE TO TDEC AND THE PUBLIC) FROM THE DATE CONSTRUCTION COMMENCES TO THE DATE OF FINAL STABILIZATION. TPO WILL HAVE A COPY OF THE SWPPP AVAILABLE AT THE LOCATION WHERE WORK IS OCCURRING ON-SITE FOR THE USE OF OPERATORS AND THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE (6.2).
- 13.4.2. PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND UNTIL THE SITE HAS MET THE FINAL STABILIZATION CRITERIA, TPO OR THEIR DUTY AUTHORIZED REPRESENTATIVE WILL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION (3.3) (6.2.1).
- 13.4.2.1. A COPY OF THE NOTICE OF COVERAGE (NOC) WITH THE NPDES PERMIT NUMBER FOR THE PROJECT;
- 13.4.2.2. THE INDIVIDUAL NAME, COMPANY NAME, E-MAIL ADDRESS (IF APPLICABLE) AND TELEPHONE NUMBER OF THE LOCAL PROJECT SITE OWNER AND OPERATOR CONTACT;
- 13.4.2.3. A BRIEF DESCRIPTION OF THE PROJECT; AND
- 13.4.2.4. THE LOCATION OF THE SWPPP.
- 13.4.3. ALL INFORMATION DESCRIBED IN SECTION 13.4.2 MUST BE MAINTAINED IN LEGIBLE CONDITION. IF POSTING THIS SAFETY CONCERNS. THE NOTICE SHALL BE POSTED IN A LOCAL BUILDING. THE NOTICE MUST BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION WHERE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY.
- 13.5. NOTICE OF TERMINATION (6.0)
- 13.5.1. WHEN ALL STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED BY FINAL STABILIZATION (NOT) THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT TO THE TDEC CENTRAL OFFICE IN NASHVILLE, TN.
- 13.5.2. FOR THE PURPOSES OF THE CERTIFICATION REQUIRED BY THE TDEC, NOT THE ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY MEANS THE COMPLETION AND ALL DISBURSED SOILS AT THE SITE ARE EARTH-DISTURBING ACTIVITIES ON THE SITE ARE HAS NOT OTHERWISE BEEN ADDRESSED IN THE SWPPP.
- 13.5.2.1. COMPLETE AND ALL DISBURSED SOILS AT THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL, HAVE BEEN FINALLY STABILIZED; AND
- 13.5.2.2. ALL CONSTRUCTION MATERIALS, WASTE AND WASTEWATER HANDLING DEVICES AND ALL EQUIPMENT, AND VEHICLES THAT WERE USED DURING CONSTRUCTION HAVE BEEN REMOVED AND PROPERLY DISPOSED; AND
- 13.5.2.3. ALL STORMWATER CONTROLS THAT WERE INSTALLED AND MAINTAINED DURING CONSTRUCTION, EXCEPT FOLLOWING TERMINATION OF PERMIT COVERAGE, HAVE BEEN REMOVED; AND
- 13.5.2.4. ALL POTENTIAL POLLUTANTS AND POLLUTANT GENERATING ACTIVITIES ASSOCIATED WITH CONSTRUCTION HAVE BEEN REMOVED; AND
- 13.5.2.5. THE PERMITTEE HAS IDENTIFIED WHO IS RESPONSIBLE FOR ONGOING MAINTENANCE OF ANY STORMWATER CONTROLS LEFT ON THE SITE FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE; AND
- 13.5.2.6. TEMPORARY EPC MEASURES HAVE BEEN OR WILL BE REMOVED AT AN APPROPRIATE TIME TO ENSURE FINAL STABILIZATION IS MAINTAINED; AND
- 13.5.2.7. ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY A NPDES GENERAL PERMIT HAVE OTHERWISE BEEN ELIMINATED FROM THE PORTION

13.3.7.1

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OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL.

13.6. RETENTION OF RECORDS (6.2)

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

14. SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (7.7.5)

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

AUTHORIZED TDOT PERSONNEL SIGNATURE

JIM OZMENT

PRINTED NAME

DIRECTOR - ENVIRONMENTAL DIVISION

TITLE

3/6/2017

DATE

15. SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (7.7.6)

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS DOCUMENT, ANY ATTACHMENTS, AND THE SWPPP REFERENCED ABOVE, BASED ON MY INQUIRY OF THE CONSTRUCTION SITE OWNER/DEVELOPER IDENTIFIED ABOVE, 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 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, AS SPECIFIED IN TENNESSEE CODE ANNOTATED SECTION 39-16-702(a)(4), THIS DECLARATION IS MADE UNDER PENALTY OF PERJURY.

AUTHORIZED TDOT PERSONNEL SIGNATURE

PRINTED NAME

TITLE

DATE

16. ENVIRONMENTAL PERMITS (9.0)

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

ENVIRONMENTAL PERMITS			
PERMIT EXPIRATION DATE	PERMIT NO. OR TRACKING NO.	YES OR NO	TDEC ARAP

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

CORPS OF ENGINEERS (USACE)	TVA 26A	TDEC CDP	OTHER:

SHEET NO.	PROJECT NO.	YEAR	TYPE	P.E.	CONST.
		2017		46003-1225-94	2017
					HSIP-67(32)
					S-7

OUTFALL TABLE (3.5.1.d, 5.4.1.g)

EPSC STAGE	OUTFALL LABEL	SUB OUTFALL	STATION CL, LT OR RT	SLOPE WITHIN ROW (%)	STAGE 1 DRAINAGE AREA (AC)	STAGE 2 DRAINAGE AREA (AC)	SEDIMENT BASIN OR EQUIVALENT MEASURE(S) (YES, NO OR N/A)	RECEIVING RESOURCE (TDOT EBR LABEL) OR OTHER	COMMENTS
1&2	OUT-1	NA	17+84 LT	0.329	0.431	0.431	NA	WWC-1	
1&2	OUT-2	NA	21+00 LT	0.123	0.236	0.236	NA	STR-1	
1&2	OUT-3	NA	24+00 LT	0.281	0.097	0.097	NA	WWC-2	

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

**STORMWATER
POLLUTION
PREVENTION
PLAN**

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SHEET NO.	PROJECT NO.	YEAR	TYPE	P.E.	CONST.
				2006	2012
				STP-112 (4)	STP-112 (4)
					S-8

Index Of Sheets
See Sheet 1A

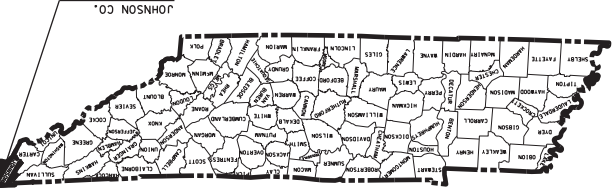
**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING**

JOHNSON COUNTY

**INTERSECTION OF SR-67, AT PEDRO SHOUN LANE/
SPRUCEY LANE, LM. 12.25 TO LM. 12.75**

CONSTRUCTION

STATE HIGHWAY NO. 67 F.A.H.S. NO. NA



SHEET NO.		YEAR	
1	2017	TENN.	
FED. AID PROJ. NO.		STATE PROJ. NO.	
HS1P-67(32)		46003-3225-94	

**UNOFFICIAL
SET
NOT FOR
BIDDING**

**RSAR Project-Project of
Limited Scope**



APPROVED: *Paul D. Decogs*
DATE: _____
PAUL D. DECOGS, CHIEF ENGINEER

APPROVED: _____
DATE: _____
JOHN SCHROER, COMMISSIONER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED: _____
DATE: _____
DIVISION ADMINISTRATOR

46003-3225-94
END PROJ. HS1P-67(32) CONST.
STA. 26+50.00
N 797213.3340
E 3180655.6190
TO MOUNTAIN CITY

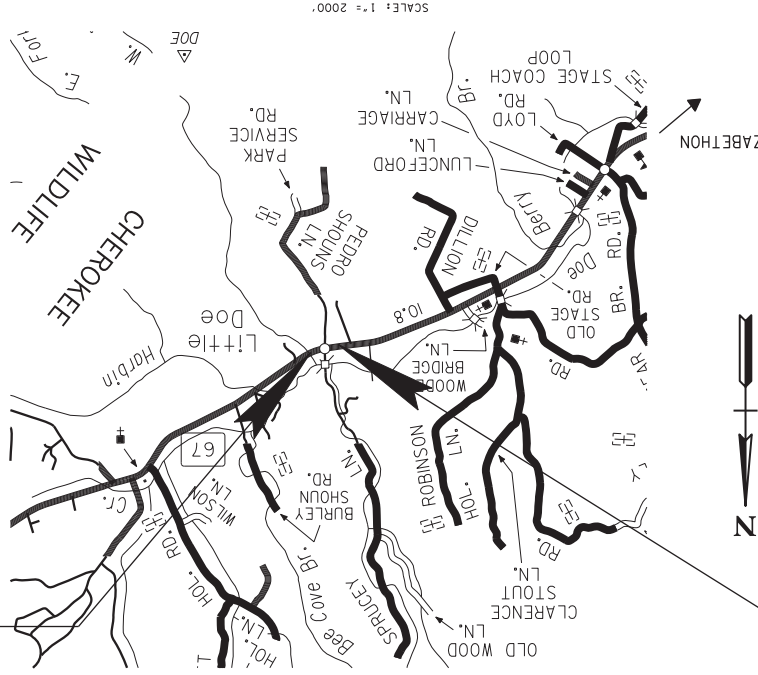
**NO EXCLUSIONS
NO EQUATIONS**

ORIGINAL SURVEY, 05/15/2014

TRAFFIC DATA

ADT (2017)	5900
ADT (2037)	6480
DIV (2037)	776
D	55 - 45
T (ADT)	5 %
T (DMV)	3 %
V	45 MPH

**ROADWAY LENGTH 0.208 MILES
BOX BRIDGE LENGTH 0.000 MILES
PROJECT LENGTH 0.208 MILES**



SCALE: 1" = 2000'

46003-3225-94
BEGIN PROJ. HS1P-67(32) CONST.
STA. 15+50.00
N 796936.3101
E 3179599.5831

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 THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 2 AJAUR, RAHMAN, P.E. _____
DESIGNER ERNEST McDONALD _____
CHECKED BY _____

PIN NO. 119043.00

SHEET NAME

SHEET NO.

DWG. NO REV. DESCRIPTION

DWG. NO REV. DESCRIPTION

INDEX

STANDARD ROADWAY DRAWINGS

1	ROADWAY INDEX AND STANDARD ROADWAY DRAWINGS	RD-A-1	12-18-99	STANDARD ABBREVIATIONS
1A	STANDARD STRUCTURE DRAWINGS	RD-L-1	10-26-94	STANDARD LEGEND
2	ESTIMATED ROADWAY QUANTITIES	RD-L-2	09-05-01	STANDARD LEGEND FOR UTILITY INSTALLATIONS
2A - 2A1	ESTIMATING ROADWAY UTILITIES QUANTITIES	RD-L-5	05-01-08	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
2B - 2C	TYPICAL SECTIONS AND PAVING SCHEDULE	RD-L-6	03-30-10	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
2E - 2G	GENERAL NOTES AND SPECIAL NOTES	RD-L-7	05-24-12	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
2H	DRAINAGE EASEMENT DETAILS	RD-L-7	05-24-12	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
3 - 3A	PROPERTY MAP AND RIGHT-OF-WAY ACQUISITION TABLE	RD-S-11	04-04-03	DESIGN AND CONSTRUCTION DETAILS FOR ROADSIDE DITCH DEVELOPMENT
4 - 5	PRESENT LAYOUT	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
4A - 5A	RIGHT-OF-WAY DETAILS	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
4B - 5B	PROPOSED LAYOUT	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
4C - 5C	PROPOSED PROFILE	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
6	PROFILE OF PRIVATE DRIVES	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
7	PROFILE OF SIDE ROADS AND STREETS	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
8 - 8A	DRAINAGE MAP	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
9	CULVERT SECTION	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
10	EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) NOTES	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
10A - 10D	EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLANS	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
11, 11A - 11E	TRAFFIC CONTROL PLANS, NOTES, QUANTITIES	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
12 - 12A	SIGNING AND PAVEMENT MARKING PLANS	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
13	SIGN SCHEDULE SHEET	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
14 - 21	ROADWAY CROSS SECTIONS	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
22 - 23	SIDE ROADWAY CROSS SECTIONS	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
S-1	STORM WATER POLLUTION PREVENTION PLAN (SWPPP) INDEX	RD-S-11A	10-15-02	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION

NO PROJECT COMMITMENTS SHEET INCLUDED IN THIS SET OF PLANS.

NATURAL STREAM DESIGN

D-NSD-7	COCOA BUTTE FIBER ROLLS AND LIVE SILTATION
D-NSD-9	BRUSH MATTERS
D-PE-188	18" CONCRETE ENDWALL CROSS DRAIN
D-PE-18A	18" CONCRETE ENDWALL CROSS DRAIN
D-PE-5	STANDARD WINGWALLS HORIZONTAL OVAL CONCRETE PIPES
D-PE-3	CULVERT INSTALLATION
D-PE-1	INDUCED TRENCH SOIL EMBANKMENT FOR PIPE INSTALLATION
D-PB-1	STANDARD DETAILS FOR CONCRETE PIPE INSTALLATION
RD01-TS-2	DESIGN STANDARDS FOR COLLECTOR ROADS AND STREETS
RD01-TS-1A	DESIGN STANDARDS FOR LOW-VOLUME LOCAL ROADS (ADT<=400)
RD01-TS-1	DESIGN STANDARDS FOR LOCAL ROADS AND STREETS
RD01-SE-3	RURAL SUPERELEVATION DETAILS
RD01-SD-3	INTERSECTION SIGHT DISTANCE 2-LANE ROADWAYS OBSERVATION
RD01-SD-2	INTERSECTION SIGHT DISTANCE LANDSCAPE AND GENERAL NOTES
RD01-SD-1	INTERSECTION SIGHT DISTANCE DESIGN AND GENERAL NOTES
RD01-S-11A	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD01-S-11	ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION
RD-L-7	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-6	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-5	STANDARD LEGEND FOR EROSION PREVENTION AND SEDIMENT CONTROL
RD-L-2	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-1	STANDARD LEGEND
RD-A-1	STANDARD ABBREVIATIONS

ROADWAY DESIGN STANDARDS

ROADWAY DESIGN STANDARDS

ROADWAY AND PAVEMENT APPURTENANCES

RD-D-15	DETAILS OF STANDARD CONCRETE DRIVEWAYS
RD-J-1	PORTLAND CEMENT CONCRETE PAVEMENT JOINT TYPES AND SPACING
RD-J-3	PORTLAND CEMENT CONCRETE PAVEMENT JOINT TYPES AND SPACING
RD-J-7	CONCRETE RAMP JOINT TYPES AND SPACING
RD-J-9	CONTRACTION AND CONSTRUCTION JOINTS FOR CONCRETE PAVEMENT
RD-NMC-10	STANDARD VERTICAL (NONNOVARIABLE) CONCRETE CURBS AND CONCRETE CURBS AND GUTTERS.
RD-R-1	STANDARD RAIMPS TO SIDE ROADS

DWG. NO REV. DESCRIPTION

DWG. NO REV. DESCRIPTION

SAFETY DESIGN AND FENCES

SAFETY DESIGN AND FENCES

S-CZ-1	CLEAR ZONE CRITERIA
S-F-1	HIGH VISIBILITY FENCE
S-GS-2	SPECIAL CASE GUARDRAIL ATTACHMENT TO CONCRETE DECKS
S-GRT-3	TYPE 21 GUARDRAIL TERMINAL
S-GRT-4	TYPE 13 GUARDRAIL TERMINAL (TRAILING END)
S-GR31-1	W-BEAM GUARDRAIL
S-GR31-1A	W-BEAM BARRIER FASTENING HARDWARE
S-GRA-3	GUARDRAIL ANCHOR FOR TYPE 21, 13 AND IN-LINE TERMINALS
S-GRA-4	IN-LINE GUARDRAIL ANCHOR
S-PL-1	SAFETY PLAN AT ROADSIDE HAZARDS
S-PL-2	SAFETY PLAN AT SIDEROADS OR PRIVATE DRIVES
T-FAB-1	FLASHING YELLOW ARROW BOARD
T-M-1	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS AND MARKING ABBREVIATIONS
T-M-2	DETAILS OF PAVEMENT MARKINGS FOR CONVENTIONAL ROADS
T-M-3	MARKING STANDARDS FOR TRAFFIC ISLANDS, MEDIANS & PAVED SHOULDERS ON CONVENTIONAL ROADS
T-M-4	STANDARD INTERSECTION PAVEMENT MARKINGS
T-M-9	MARKING DETAILS FOR RAMP INTERSECTIONS
T-M-10	SIGNING AND PAVEMENT MARKINGS FOR SHARED-USE PATHS
T-PBR-1	INTERCONNECTED PORTABLE BARRIER RAIL DELINEATORS
T-PBR-2	DETAIL FOR VERTICAL PANELS AND FLEXIBLE LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-36	LANE CLOSURE ON LOW-VOLUME 2-LANE HIGHWAY
T-WZ-40	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-41	LEFT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
EC-S-STR-2	SEDIMENT FILTER BAG
EC-S-STR-3B	SILT FENCE
EC-S-STR-3C	SILT FENCE WITH WIRE BACKING
EC-S-STR-3E	SILT FENCE FABRIC JOINING DETAILS
EC-S-STR-4	ROCK CHECK DAM
EC-S-STR-4A	ENHANCED ROCK CHECK DAM
EC-S-STR-11	CULVERT PROTECTION TYPE 1
EC-S-STR-11A	CULVERT PROTECTION TYPE 2
EC-S-STR-25	TEMPORARY CULVERT CROSSING, CONSTRUCTION EXIT, CONSTRUCTION FORD
EC-S-STR-37	SEDIMENT TUBE

EROSION PREVENTION AND SEDIMENT CONTROL

EROSION PREVENTION AND SEDIMENT CONTROL



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 NOT FOR
 BIDDING

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 ROADWAY INDEX
 AND STANDARD
 ROADWAY
 DRAWINGS

SHEET	NO.	PROJECT NO.	YEAR	TYPE	CONST.	2017	HSP-67(32)	1A
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ITEM NO.	DESCRIPTION	UNIT	QUANTITY
105-01	CONSTRUCTION STAKES, LINES AND GRADES	LS	1
201-01	CLEARING AND GRUBBING	LS	1
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	384
203-03	BORROW EXCAVATION (UNCLASSIFIED)	C.Y.	565
203-04	PLACING AND SPREADING TOPSOIL	C.Y.	200
203-06	WATER	M.G.	8
209-03-59	STREAM MITIGATION - BRUSH MATRESS	S.Y.	150
209-05	SEDIMENT REMOVAL	C.Y.	86
209-08-02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	510
209-08-03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	430
209-08-07	ROCK CHECK DAM PER	EACH	1
209-08-08	ENHANCED ROCK CHECK DAM	EACH	1
209-09-03	SEDIMENT FILTER BAG (15 X 15)	EACH	1
303-01	MINERAL AGGREGATE, TYPE A BASE, GRADING D	TON	1573
303-10-01	MINERAL AGGREGATE (SIZE 57)	TON	15
307-01-01	ASPHALT CONC CRTE MIX (PG64-22) (BPM-B-HM) GRADING A	TON	192
307-01-08	ASPHALT CONC MIX (PG64-22) (BPM-B-HM) GRADING B-M2	TON	578
402-01	BITUMINOUS MATERIAL FOR PRIME COAT (PC)	TON	4
402-02	AGGREGATE FOR COVER MATERIAL (PC)	TON	15
403-01	BITUMINOUS MATERIAL FOR TACK COAT (TC)	TON	2
411-01-10	ACS MIX(PG64-22) GRADING D	TON	428
415-01-02	COLD PLANING BITUMINOUS PAVEMENT	S.Y.	3600
604-02-01	CLASS A CONCRETE (BOX BRIDGES)	C.Y.	97
604-02-02	STEEL BAR REINFORCEMENT (BOX BRIDGES)	LB.	18534
607-37-02	18" CORUGATED METAL PIPE CULVERT	L.F.	12
611-07-54	18IN ENDWALL (CROSS DRAIN) 3:1	EACH	1
702-01	CONCRETE CURB	C.Y.	3
705-02-02	SINGLE GUARDRAIL (TYPE 2)	L.F.	338
705-04-03	GUARDRAIL TERMINAL (TYPE 13)	EACH	2
705-04-04	GUARDRAIL TERMINAL (TYPE 21)	EACH	5
705-04-05	GUARDRAIL TERMINAL (TYPE-INLINE)	EACH	5
705-08-51	PORTABLE IMPACT ATTENUATOR NCHRP350 TL-3	EACH	4
706-01	GUARDRAIL REMOVED	L.F.	13
707-08-11	HIGH-VISIBILITY CONSTRUCTION FENCE	L.F.	525
709-05-05	MACHINED RIP-RAP (CLASS A-3)	TON	100
709-05-06	MACHINED RIP-RAP (CLASS A-1)	TON	215
709-05-09	MACHINED RIP-RAP (CLASS C)	TON	50
710-13-03	FILTER CLOTH	S.Y.	100
712-01	TRAFFIC CONTROL	LS	1
712-02-02	INTERCONNECTED PORTABLE BARRIER RAIL	L.F.	700
712-04-01	FLEXIBLE DRUMS (CHANNELIZNG)	EACH	50
712-05-03	WARNING LIGHTS (TYPE C)	EACH	20
712-05-06	SIGNS (CONSTRUCTION)	S.F.	176
712-08-03	ARROW BOARD (TYPE C)	EACH	2
712-09-01	REMOVABLE PAVEMENT MARKING LINE	L.F.	8500
712-09-03	Removable Pavement Marking (Channelizing Striping)	S.Y.	50
713-16-01	CHANGABLE MESSAGE SIGN UNIT	EACH	2
713-16-20	SIGNS (R1-1 w/ 1-p8 SUPPRT)	EACH	2
713-16-21	SIGNS (W3-1 w/ 1-p8 SUPPRT)	EACH	2
713-16-20	SIGNS (R2-1 w/ 1-p8 SUPPRT)	EACH	2
713-16-04	PLASTO PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	30
716-02-06	PLASTO PAVEMENT MARKING (TURN LANE ARROW)	EACH	2
716-04-01	PLASTO PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	4
716-05-01	PAINTED PAVEMENT MARKING (L LINE)	L.M.	1
716-05-05	PAINTED PAVEMENT MARKING (STOP LINE)	L.F.	63
716-13-01	SPRAY THERMO PVMT MKRNG (60 mil) (4IN LINE)	L.M.	1
717-01	MOBILIZATION	LS	1
730-50	Temporary Traffic Signal System (Radio Controlled)	EACH	1
740-10-03	GEOTEXTILE (TYPE III)EROSION CONTROL)	S.Y.	375

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
740-11-03	TEMPORARY SEDIMENT TUBE (18IN)	L.F.	1145
801-01	SEEDING (WITH MULCH)	UNIT	2
801-01-07	TEMPORARY SEEDING (WITH MULCH)	UNIT	2
801-03	WATER (SEEDING & SODDING)	M.G.	10
803-01	SODDING (NEW SOD)	S.Y.	920

NOTES

- 1) INCLUDES 15 C.Y. FOR EROSION CONTROL.
- 2) INCLUDES 100 TONS FOR FLAT BOTTOM DITCH, 90 TONS FOR "V" DITCH AND 25 TONS FOR EROSION CONTROL.
- 3) SEE SUBSECTION 209.07 OF THE STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
- 4) INCLUDES 40.00 TONS FOR SPOT LEVELING TO BE USED AT THE DISCRETION OF THE ENGINEER.
- 5) TO BE USED IF NECESSARY AND AS DIRECTED BY THE ENGINEER.
- 6) INCLUDES 125 L.F. FOR SHOP CURVED GUARDRAIL.
- 7) COST OF ALL MATERIALS REQUIRED FOR THIS ITEM ARE INCLUDED. TO BE USED IF NECESSARY AND AS DETERMINED BY THE ENGINEER FOR BANK PROTECTION OF DOE CREEK AT L.F. STA. 22+504 TO 23+504.1).
- 8) FOR "V" DITCH.

SHEET NO.	YEAR	PROJECT NO.	TYPE	CONST.
2	2017	HS1P-67(32)		



UNOFFICIAL
 SET
 NOT FOR
 BIDDING

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 ESTIMATED
 ROADWAY
 QUANTITIES

GENERAL NOTES

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING HIS EXPENSES
- (2) CERTIFICATION FOR ALL BORROW PITS MUST BE OBTAINED IN ACCORDANCE WITH SUBSECTION 107.06 OF THE STANDARD SPECIFICATIONS
- (3) THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL, EITHER ON OR OFF STATE OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY WITHOUT APPROVAL BY SAME. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.
- SEEDING AND SODDING**
- (1) SOD SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS TO PREVENT DAMAGE TO ADJACENT FACILITIES AND AD PROPERTY DUE TO EROSION ON ALL NEWLY GRADED CUT AND FILL SLOPES AS WORK PROGRESSES
- (2) ITEM NO. 801-02 SEEDING WITHIN (MULCH) AND EROSION CONTROL BLANKET SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLANS AS WELL AS LOCATIONS DIRECTED BY THE ENGINEER.
- (3) ITEM NO. 801-01 SEEDING WITHIN MULCH SHALL BE USED WHERE EROSION CONTROL BLANKET OR SOD ARE NOT APPLIED.
- GUARDRAIL**
- (1) THE CONTRACTOR SHALL NOT REMOVE ANY SECTIONS OF EXISTING 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 FINISHING AND INSTALLING A TEMPORARY ROUNDED GUARDRAIL SHALL BE INCLUDED IN THE COST OF THE PROPOSED GUARDRAIL.
- (1) THE CONTRACTOR SHALL SHAPE DITCHES TO THE SPECIFIED DESIGN. THIS WORK WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT THE COST WILL BE INCLUDED IN THE COST OF OTHER ITEMS.
- (2) EXCAVATION FOR CULVERTS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF PIPE (PIPE CULVERTS, STORM SEWERS, CONDUITS, ALL OTHER CULVERTS AND MINOR STRUCTURES).
- (3) CULVERT EXCAVATION FOR CONCRETE BOX OR SLAB TYPE CULVERTS OR CULVERT EXCAVATION UNCLASSIFIED).
- (4) THE CUTTING OF INLET AND OUTLET DITCHES WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER WILL BE MEASURED AND PAID FOR AS ITEM NO. 203-01 ROAD AND DRAINAGE EXCAVATION.
- (5) WHERE A CULVERT (PIPE, SLAB OR BOX) IS MOVED TO A NEW LOCATION OTHER THAN THAT SHOWN ON THE PLANS, INCREASE OR DECREASE IN THE AMOUNT OF CULVERT EXCAVATION, NO INCREASE OR DECREASE IN DURING CONSTRUCTION OF DRAINAGE STRUCTURES ALL COST ASSOCIATED WITH MAINTAINING THE FLOW OF WATER AND TRAFFIC, AT THIS PROJECT ARE TO BE INCLUDED IN THE UNIT PRICE OF THE DRAINAGE STRUCTURES AND TRAFFIC CONTROL ITEMS.

GRADING

- (1) UTILITIES
- (1) SEE SHEET NO. 3
- (2) MISCELLANEOUS
- (1) ALL DETOUR, ACCESS, SERVICE AND FRONTAGE ROADS SHALL BE CONSTRUCTED WITH A MINIMUM OF ONE (1) COURSE OF BASE MATERIAL BEFORE TRAFFIC IS INTERFERED ON EXISTING ROADS.
- (2) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MARKINGS WHERE AND AS DIRECTED BY THE ENGINEER.
- (3) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND COMFORT OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.
- RIGHT - OF - WAY**
- (1) SEE SHEET NO. 3
- (2) PAVEMENT MARKINGS
- (1) PERMANENT PAVEMENT LINE MARKINGS SHALL BE 4" SPRAY THERMOPLASTIC (60 MI) 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. 716-101. SPRAY THERMO PLANT MARKING (60 MI) (4IN LINE) L.M. THE CONTRACTOR SHALL HAVE THE OPTION OF USING PERMANENT 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 COST ARE TO BE INCLUDED IN THE PRICE BID FOR PERMANENT MARKINGS.
- PAVING**
- (1) THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE DIRECTION OF TRAFFIC.
- (2) DIRECTION OF TRAFFIC.
- (3) THE CONTRACTOR SHALL ATTACH A DEVICE TO THE SKEEED OF THE PAYER SUCH THAT MATERIAL IS COMPACTED AT THE END GATE AND EXTRACTED 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 PAYER (MEASURED FROM A LINE PARALLEL TO THE PAVEMENT FACE) THE DEVICE SHALL MEET THE REQUIREMENTS THAT ARE CURRENTLY SET FORTH IN SPECIAL PROVISION 407SE
- CONSTRUCTION WORK ZONE & TRAFFIC CONTROL**
- (1) ADVANCE WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PAVEMENT CONSTRUCTION BEGINS. SIGNS MAY BE COVERED 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.
- (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 ERRECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (5) THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE ACTUAL CROSSING.
- (6) STREAM BEDS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR CONSTRUCTION EQUIPMENT. TEMPORARY CULVERT CROSSINGS SHALL BE LIMITED TO ONE POINT PER STREAM AND EPCO MEASURES SHALL BE USED WHERE THE STREAM BANKS ARE DISTURBED. WHERE THE STREAMS IS NOT COMPOSED OF BEDROCK, A PAD OF CLEAN ROCK SHALL BE USED AT THE CROSSING POINT AND CULVERTED TO PREVENT THE IMPONDMENT OF WATER FLOW. CLEAN ROCK IS ROCK OF VARIOUS TYPE AND SIZE, DEPENDING UPON APPLICATION, WHICH CONTAINS NO FINES, SOILS, OR OTHER WASTES OR CONTAMINANTS. OTHER MATERIALS USED FOR ALL

- (1) STREAM EPCO DEVICES REQUIRE THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION REVIEW AND MUST BE PROCESSED BY THE PERMITS SECTION TO OBTAIN WATER QUALITY PERMITS.
- (2) INSTREAM EPCO DEVICES REQUIRE THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION TO OBTAIN WATER QUALITY PERMITS.
- (3) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE'S, INCLUDING WETLANDS AND EMBAYMENT, INTERMITTENT, AND PERENNIAL STREAMS, SHALL BE ONLY AS SPECIFIED ON THE CONSTRUCTION PLANS AND/OR AS SO SPECIFIED IN THE WATER QUALITY PERMITS, IF APPLICABLE. ANY DISCREPANCIES BETWEEN PLANS AND PERMITS SHALL BE BROUGHT TO THE ATTENTION OF THE TDOT RESPONSIBLE PARTY AS SOON AS POSSIBLE. ADDITIONAL PERMITS REQUIRED BY THE CONTRACTOR'S METHOD OF OPERATION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AFTER RECEIVING THE APPROVAL OF THE TDOT ENVIRONMENTAL DIVISION, PERMITS SECTION.
- (4) THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL NOT EXCEED THE WIDTH SPECIFIED IN THE STANDARD DRAWING.
- (5) THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE ACTUAL CROSSING.
- (6) STREAM BEDS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR CONSTRUCTION EQUIPMENT. TEMPORARY CULVERT CROSSINGS SHALL BE LIMITED TO ONE POINT PER STREAM AND EPCO MEASURES SHALL BE USED WHERE THE STREAM BANKS ARE DISTURBED. WHERE THE STREAMS IS NOT COMPOSED OF BEDROCK, A PAD OF CLEAN ROCK SHALL BE USED AT THE CROSSING POINT AND CULVERTED TO PREVENT THE IMPONDMENT OF WATER FLOW. CLEAN ROCK IS ROCK OF VARIOUS TYPE AND SIZE, DEPENDING UPON APPLICATION, WHICH CONTAINS NO FINES, SOILS, OR OTHER WASTES OR CONTAMINANTS. OTHER MATERIALS USED FOR ALL

GENERAL NOTES



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SHEET	28
PROJECT NO.	HS1P-67(32)
YEAR	2017
CONST.	2017

EROSION PREVENTION AND SEDIMENT CONTROL (CON T.)

GENERAL NOTES

- (7) TEMPORARY FILLS SHALL BE COMPLETELY REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED AND THE AFFECTED AREAS RETURNED TO PREEXISTING ELEVATIONS. ALL TEMPORARY CROSSINGS SHALL BE SPECIFICALLY ADDRESSED IN THE EROSION PLANS. ALTERNATIVELY, PLACING CONSTRUCTION IN ACCORDANCE WITH STD DWG. EC-SR-25 UNLESS OTHERWISE SPECIFIED IN THE EROSION PLANS. ALTERNATIVELY, PLACING A TEMPORARY BRIDGE (E.G. BAILEY BRIDGE OR EQUIVALENT), TIMBERBARS, ETC.) FROM TOP OF BANK TO TOP OF BANK OR THE APPROPRIATE USE OF BARRAGES AT THE CROSSING TO AVOID DISTURBANCE OF THE STREAMBED IS AN ACCEPTABLE OPTION.
- (8) HEAVY EQUIPMENT WORKING IN WETLANDS WITH PERMITTED TEMPORARY IMPACTS SHALL BE PLACED ON MATS, OR OTHER MEASURES MUST BE TAKEN TO MINIMIZE SOIL DISTURBANCE AND COMPACTION UNLESS SPECIFICALLY ADDRESSED IN THE CONSTRUCTION PLANS. ANY MATS AND OTHER MEASURES USED FOR HEAVY EQUIPMENT SHALL BE REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED. ALL AFFECTED AREAS SHOULD BE RETURNED TO PRE-EXISTING CONDITIONS.
- (9) WETLANDS SHALL NOT BE USED AS EQUIPMENT STORAGE, STAGING, OR TRANSPORTATION AREAS, UNLESS SPECIFICALLY PROVIDED FOR IN THE CONSTRUCTION PLANS AND PERMITS.
- (10) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS BEFORE ALL CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G. STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR TPOD INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE TPOD REGION ENVIRONMENTAL TECH GROUP IMMEDIATELY.
- (11) NO ACTIVITY MAY SUBSTANTIALLY DISRUPT THE MOVEMENT OF THOSE SPECIES OF AQUATIC LIFE INDIGENOUS TO THE WATER BODY, INCLUDING THOSE SPECIES THAT NORMALLY MIGRATE THROUGH THE AREA.
- INSPECTION, MAINTENANCE & REPAIR**
- (12) REFER TO THE STORM WATER POLLUTION AND PREVENTION PLAN SHEETS (S-1) FOR SWPPP, PERMITS, AND RECORDS NOTES.
- PERMITS, PLANS & RECORDS**
- (13) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO ARCHAEOLOGY, ECOLOGY, HISTORICAL, HAZARDOUS MATERIALS, AIR AND NOISE, TDEC (RAPA401), USACE SECTION 404, TVA SECTION 264, AND OTHER NECESSARY PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING ANY MATERIAL AND STAGING AREAS AND THE OPERATION OF ANY PRODUCT-DEDICATED ASPHALT AND/OR CONCRETE PLANTS TO BE USED. ANY SUCH PERMITS SHALL BE SUPPLIED TO THE TPOD PROJECT RESPONSIBLE PARTY PRIOR TO THE USE OF THE PERMITTED AREAS.)
- (14) ANY DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE TPOD PROJECT RESPONSIBLE PARTY. THE ENVIRONMENTAL DESIGN DIVISION AND HEADQUARTERS CONSTRUCTION OFFICE SHALL BE CONTACTED IN THESE INSTANCES AND DECIDE WHICH HAS PRECEDENCE AND WHETHER PERMIT REVISIONS ARE NEEDED. IN GENERAL, PERMIT CONDITIONS WILL PREVAIL.
- (15) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE TPOD PERMIT SECTION SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. ANY PLAN REVISIONS ARE NEEDED.
- (16) THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATE. IF CONTRACTOR IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE TPOD PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.
- (17) ALL WATER QUALITY PERMITS SHALL BE POSTED NEAR THE MAIN ENTRANCE OF THE PROJECT SITE ACCESSIBLE TO THE PUBLIC. THE NAME, COMPANY NAME, EMAIL ADDRESS, TELEPHONE NUMBER AND ADDRESS OF THE PROJECT OWNER, OPERATOR, OR A LOCAL CONTACT PERSON WITH A BRIEF DESCRIPTION OF THE PROJECT SHALL ALSO BE POSTED. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE
- (28) DISPOSAL OF ON-SITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ON-SITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.
- (27) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.
- (26) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE NOTIFIED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.
- (25) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- (24) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF-SITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.
- (23) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ON-SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.
- (22) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.
- (21) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.
- (20) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF-CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH PERMITTED ON-SITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.
- (19) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE. S. ALL EQUIPMENT SHOULD BE RETURNED TO PRE-EXISTING CONDITIONS.
- (18) TO PREVENT LITTER AND CONSTRUCTION WASTES FROM ENTERING WATERS OF THE STATE, S. THESE MATERIALS SHALL BE REMOVED FROM THE CONSTRUCTION SITE ESTABLISH AND MAINTAIN A PRODUCTIVE METHOD OF WASTE DISPOSAL.
- (17) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE, S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO TPODES, AQUATIC RESOURCE ALTERATION PERMITS(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 264 PERMITS TO DISPOSE OF WASTE MATERIALS.
- (16) MATERIALS AND STAGING AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE, S. UNLESS THESE AREAS ARE SPECIFICALLY COVERED BY ENVIRONMENTAL PERMITS OBTAINED SOLELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES. IF CONTRACTOR SHALL CONTACT THE TPOD PROJECT RESPONSIBLE PARTY TO COMMENCE PERMIT RENEWAL PROCESS.

SUPPORT ACTIVITIES

- (29) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE, S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO TPODES, AQUATIC RESOURCE ALTERATION PERMITS(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 264 PERMITS TO DISPOSE OF WASTE MATERIALS.

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

- (18) THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A PRODUCTIVE METHOD OF WASTE DISPOSAL.
- (19) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS TO ENSURE THAT PETROLEUM PRODUCTS OR OTHER CHEMICAL POLLUTANTS ARE PREVENTED FROM ENTERING WATERS OF THE STATE. S. ALL EQUIPMENT SHOULD BE RETURNED TO PRE-EXISTING CONDITIONS.
- (20) CONTRACTORS SHALL PROVIDE DESIGNATED TRUCK WASHOUT AREAS ON THE SITE. THESE AREAS MUST BE SELF-CONTAINED, NOT CONNECTED TO ANY STORMWATER OUTLET OF THE SITE, AND PROPERLY SIGNED. WASH PERMITTED ON-SITE UNLESS PROPER SETTLEMENT AREAS HAVE BEEN PROVIDED IN ACCORDANCE WITH BOTH STATE AND FEDERAL REGULATIONS.
- (21) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.
- (22) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.
- (23) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ON-SITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.
- (24) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFF-SITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.
- (25) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- (26) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE NOTIFIED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.
- (27) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.
- (28) DISPOSAL OF ON-SITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ON-SITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.

GENERAL NOTES

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION



UNOFFICIAL
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 NOT FOR
 BIDDING

SHEET	PROJECT NO.	YEAR	CONST.	2017	HS1P-6(132)	2F
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SPECIAL NOTES

- GRADING**
- (1) THE GRADING TABULATIONS AND RESULTING EARTHWORK ASSOCIATED BID QUANTITIES WERE PREPARED UTILIZING AVAILABLE GEOTECHNICAL INFORMATION AND/OR REPORTS PREPARED FOR THIS PROJECT. THIS INFORMATION IS PROVIDED FOR GENERAL INFORMATION AND ESTIMATION GUIDANCE ONLY.
- (2) BORING DEPICTIONS SHOWN ON THE FOUNDATION DATA SHEETS, SOIL SHEETS, PLANS, AND CROSS-SECTIONS INDICATE SOIL AND ROCK CONDITIONS AT THE SPECIFIC BORING LOCATIONS. ANY SOIL PROFILE AND/OR ROCK LINE IS INTERPRETIVE BASED ON THE JUDGMENT OF THE GEOTECHNICAL ENGINEER/GEOLOGIST. THE TRANSITION BETWEEN BORINGS AND LAYERS MAY VARY SIGNIFICANTLY DEPENDING ON THE GEOLOGIC FORMATIONS ENCOUNTERED.
- (3) TO ASSIST IN BID PREPARATION FOR EARTHWORK AND FOUNDATION CONSTRUCTION, DETAIL ROCK AND SOIL DESCRIPTION AND ON SOME PROJECTS, ROCK CORE SAMPLES ARE AVAILABLE FOR INSPECTION AT THE MATERIALS AND TESTS HEADQUARTERS AT 6601 CENTENNIAL BOULEVARD, KNOXVILLE, TN OR AT THE TDOT REGION 1 BUILDING IN KNOXVILLE, TN.
- (4) THE CONTRACTOR SHALL UTILIZE ALL INFORMATION PROVIDED IN THE PLANS, CROSS-SECTIONS AND CONTRACT DOCUMENTS INCLUDING ANY SPECIAL PROVISIONS AS WELL AS UTILIZING HIS PAST EXPERIENCE WITH PROJECTS OF SIMILAR NATURE, SCOPE AND LOCATION IN PREPARATION OF HIS BID FOR EARTHWORK ITEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE EQUIPMENT AND MEANS NECESSARY TO CONDUCT THE EXCAVATION ACTIVITIES IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
- (5) EARTHWORK IS PAID FOR UNDER ITEM 203-01, ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED). NO ADDITIONAL PAYMENT WILL BE MADE FOR EARTHWORK QUANTITIES BASED SOLELY ON A CLAIM THAT THE QUANTITIES SHOWN IN THE GRADING TABULATION OR ELSEWHERE IN THE PLANS ARE INACCURATE WITH RESPECT TO THE TYPE OF MATERIALS ENCOUNTERED DURING CONSTRUCTION EXCEPT AS PROVIDED FOR BY SECTION 104-02 IN THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OR AS AMENDED IN SUPPLEMENTAL SPECIFICATIONS.
- EROSION PREVENTION AND SEDIMENT CONTROL**
- (1) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE WILL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING CONCERNING WHEN ENVIRONMENTAL DIVISION PERSONNEL OR DESIGNATED CONSULTANT WILL NEED TO BE ON-SITE FOR WORK BEING DONE WHICH COULD AFFECT THE STREAM OR SPECIES.
- (2) STAFF FROM THE TDOT ENVIRONMENTAL DIVISION OR A DESIGNEE WILL ATTEND THE PRE-CONSTRUCTION MEETING FOR ALL PROJECTS WHICH HAVE THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT PROXIMAL TO SCHEDULED BRIDGE WORK. THIS WILL PROVIDE THE CONTRACTOR'S PERSONNEL AND SUBCONTRACTORS ARE MADE AWARE OF THE NECESSARY PRECAUTIONS WHICH MUST BE FOLLOWED.
- (3) ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/US.
- ENVIRONMENTAL**
- (4) EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

NOTE TO CONTRACTOR

(1) CONTRACTOR TO DIVERT WATER AS NECESSARY TO BUILD BOX CULVERTS. COST TO BE INCLUDED IN OTHER ITEMS.

SPECIAL NOTES

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION



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NOT FOR
BIDDING

SHEET	YEAR	PROJECT NO.	TYPE	CONST.	2017	HSP-67(32)	20

**UNOFFICIAL
 SET
 NOT FOR
 BIDDING**

**DRAINAGE
 MAP**

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

COORDINATES ARE MA5834095L,
 ARE DATUM ADJUSTED BY THE
 FACTOR OF LOGBOOK AND LEAD TO
 REFERENCED TO THE NAVD 1988.



SEALED BY

STATION 15+50 TO STA. 22+00
 SCALE: 1" = 50'

REMARKS:
 EXISTING STRUCTURE: 8'x4' CONCRETE BOX CULVERT
 DRAINAGE AREA 630.2 ACRES
 DIRECTION OF FLOW NORTH
 STATION 20+96
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 0.17 ACRES
 DIRECTION OF FLOW NORTH
 STATION 17+46.9
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 29.9 ACRES
 DIRECTION OF FLOW NORTH
 STATION 12+96.80
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 560 AC.
 DIRECTION OF FLOW NE
 STATION 61+01
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 630.2 ACRES
 DIRECTION OF FLOW NORTH
 STATION 20+96
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 29.9 ACRES
 DIRECTION OF FLOW NORTH
 STATION 12+96.80
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 560 AC.
 DIRECTION OF FLOW NE
 STATION 61+01
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 630.2 ACRES
 DIRECTION OF FLOW NORTH
 STATION 20+96
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 29.9 ACRES
 DIRECTION OF FLOW NORTH
 STATION 12+96.80
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 560 AC.
 DIRECTION OF FLOW NE
 STATION 61+01
 DRAINAGE DATA FOR PIPE

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 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 630.2 ACRES
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REMARKS:
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 DRAINAGE AREA 29.9 ACRES
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 STATION 12+96.80
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REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 560 AC.
 DIRECTION OF FLOW NE
 STATION 61+01
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 630.2 ACRES
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REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 29.9 ACRES
 DIRECTION OF FLOW NORTH
 STATION 12+96.80
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 560 AC.
 DIRECTION OF FLOW NE
 STATION 61+01
 DRAINAGE DATA FOR PIPE

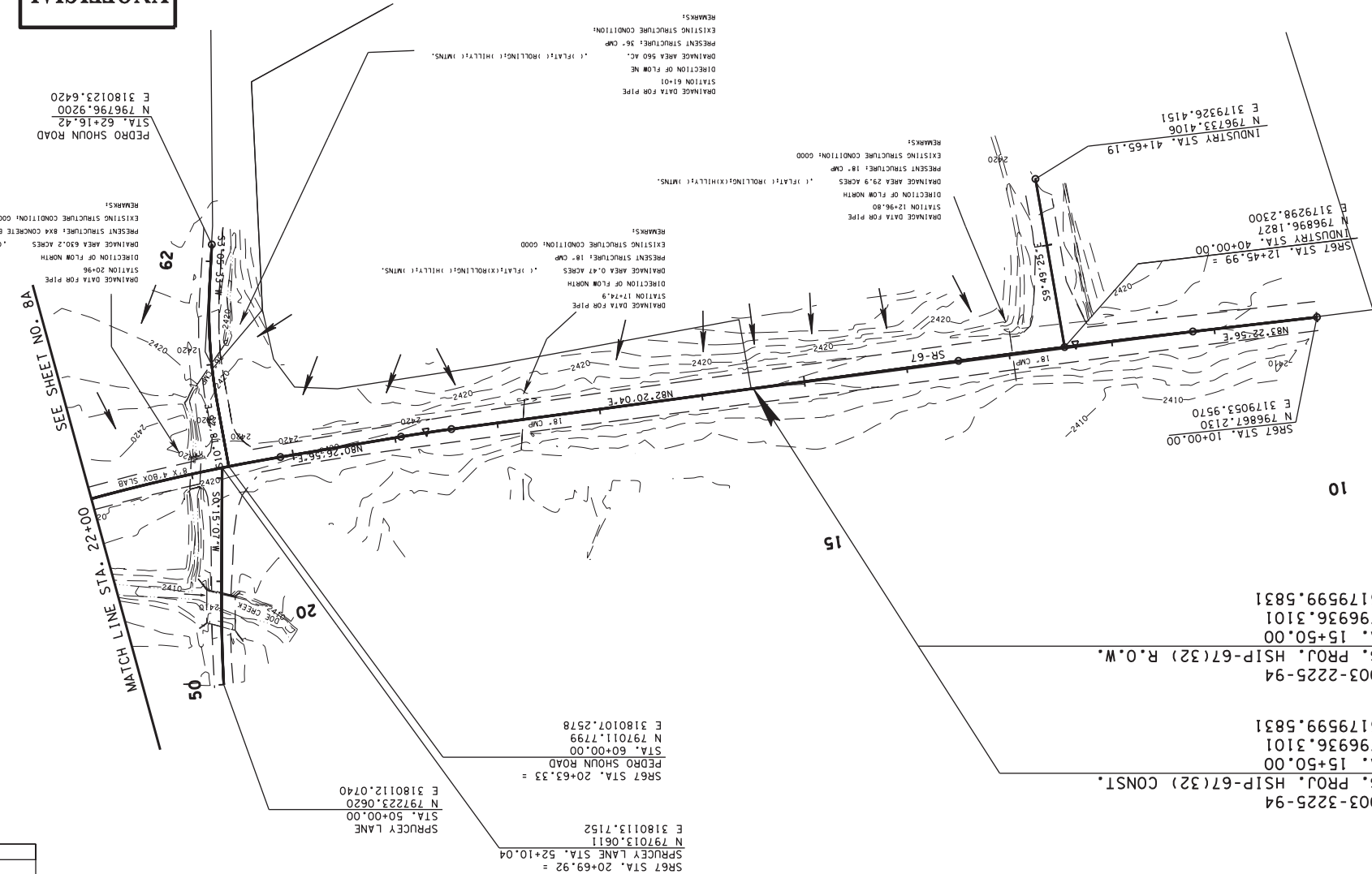
REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 630.2 ACRES
 DIRECTION OF FLOW NORTH
 STATION 20+96
 DRAINAGE DATA FOR PIPE

REMARKS:
 EXISTING STRUCTURE CONDITION: GOOD
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 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 630.2 ACRES
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 STATION 20+96
 DRAINAGE DATA FOR PIPE

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 EXISTING STRUCTURE CONDITION: GOOD
 DRAINAGE AREA 29.9 ACRES
 DIRECTION OF FLOW NORTH
 STATION 12+96.80
 DRAINAGE DATA FOR PIPE



SHEET NO.	YEAR	PROJECT NO.	TYPE
8	2017	HSP-67(32)	CONST.
8	2016	HSP-67(32)	R.O.W.

SR67 STA. 20+69.92 =
 SPRUCEY LANE STA. 52+10.04
 N 797013.0611
 E 3180113.7152

SR67 STA. 20+63.33 =
 PEDRO SHOUN ROAD
 STA. 60+00.00
 N 797011.7799
 E 3180107.2578

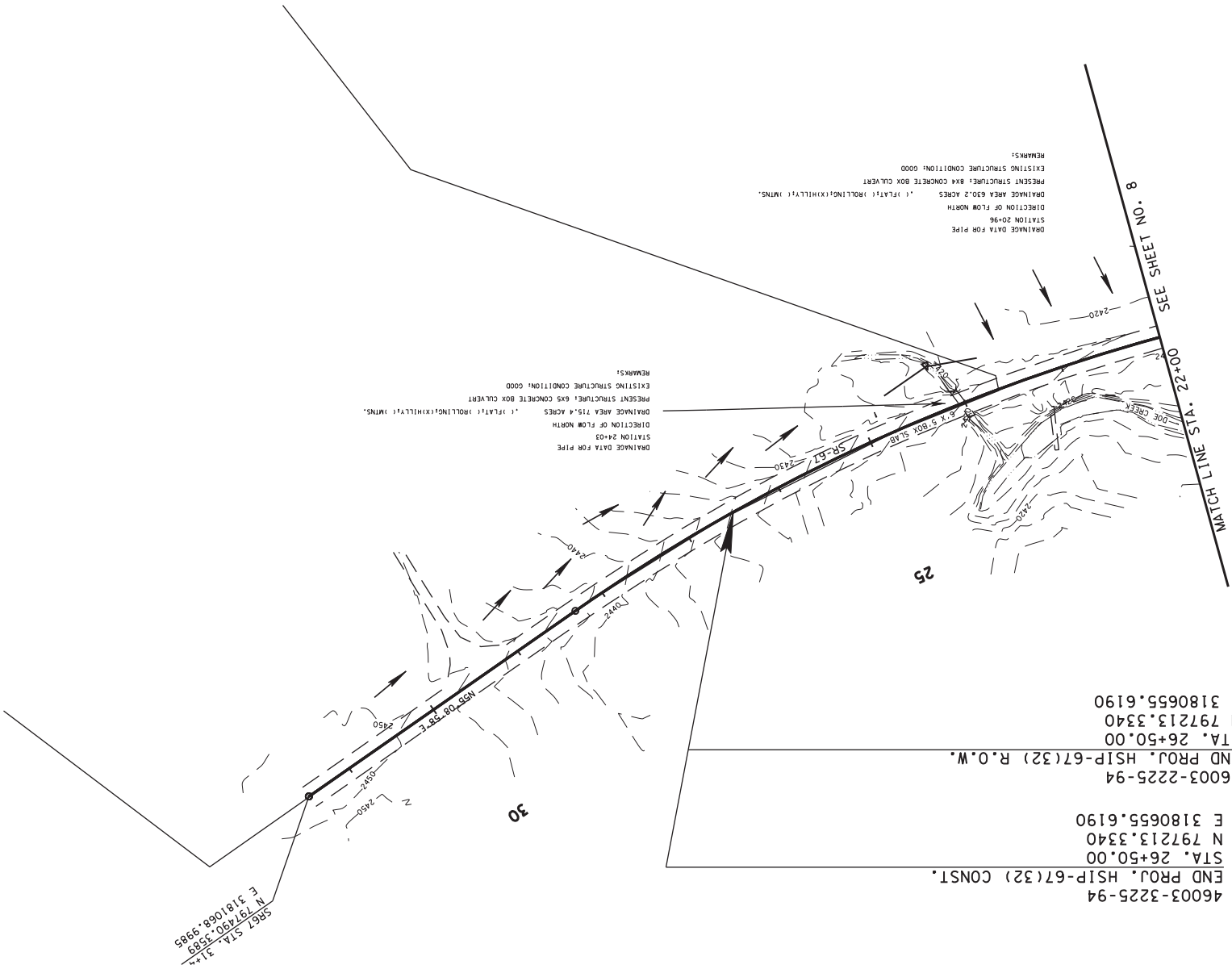
SR67 STA. 50+00.00
 STA. 50+00.00
 N 797223.0620
 E 3180112.0740

SR67 STA. 15+50.00
 STA. 15+50.00
 N 796936.3101
 E 3179599.5831

SR67 STA. 10+00.00
 STA. 10+00.00
 N 796867.2130
 E 3179053.9570

SR67 STA. 12+45.99 =
 INDUSTRY STA. 40+00.00
 N 796896.1827
 E 3179298.2300

SR67 STA. 41+65.19
 INDUSTRY STA. 41+65.19
 N 796733.4106
 E 3179326.4151



46003-3225-94
 STA. 26+50.00
 N 797213.3340
 E 3180655.6190
 END PROJ, HSI P-67(32) CONST.

46003-2225-94
 STA. 26+50.00
 N 797213.3340
 E 3180655.6190
 END PROJ, HSI P-67(32) R.O.W.

**DRAINAGE
 MAP**

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 COORDINATES ARE NAD 83/9955.
 ARE DATUM ADJUSTED BY THE
 FACTOR OF 1.0004 AND TIED TO
 THE TBM. ALL ELEVATIONS ARE
 REFERENCED TO THE NAD 1988.

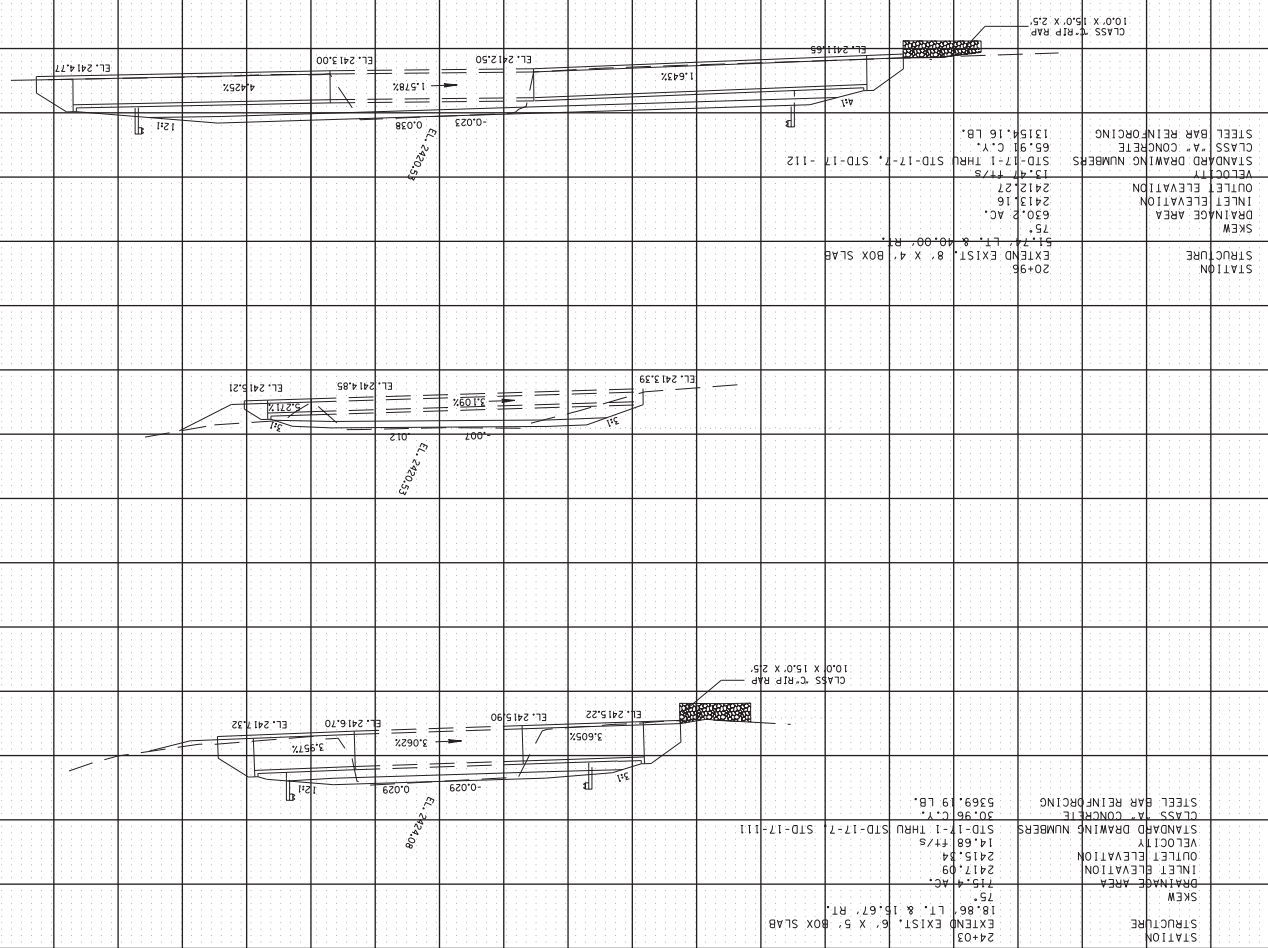


UNOFFICIAL
 SET
 NOT FOR
 BIDDING
 SEALED BY

SHEET NO.	YEAR	TYPE	PROJECT NO.
8A	2016	R.O.W.	HSIP-67(32)
8A	2017	CONST.	HSIP-67(32)

SCALE: 1" = 50'
 STA. 22+00 TO STA. 26+50

2430	2420	2410	2430	2420	2410
------	------	------	------	------	------



SCALE: 1"=10' HORIZ.
 1"=10' VERT.

SECTION -
 CROSS -
 CULVERT

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

SEALING BY

NO.	YEAR	PROJECT NO.	PRODUCT NO.
9	2016	HSP-F-67321	R.O.W.
	2017	HSP-F-67321	CONST.
REV. 01-27-17 MODIFIED EXIST. SLABS.			

UNOFFICIAL
 SET
 NOT FOR
 BIDDING

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

STREAMS, WETLANDS & BUFFER ZONES

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

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

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES			
203-01	ROAD AND DRAINAGE EXCAVATION (UNCLASSIFIED)	15	C.Y.
209-05	SEDIMENT REMOVAL	86	C.Y.
209-08-02	TEMPORARY SILT FENCE (WITH BACKING)	510	L.F.
209-08-03	TEMPORARY SILT FENCE (WITHOUT BACKING)	430	L.F.
209-08-07	ROCK CHECK DAM	1	EACH
209-08-08	ENHANCED ROCK CHECK DAM	1	EACH
209-09-03	SEDIMENT FILTER BAG (15' X 15')	1	EACH
303-10-01	MINERAL AGGREGATE (SIZE 57)	15	TON
709-08-11	HIGH-VISIBILITY CONSTRUCTION FENCE	525	L.F.
709-05-05,09	MACHINED RIP-RAP (CLASS A-3)	100	TON
709-05-06	MACHINED RIP-RAP (CLASS A-1)	105	TON
709-05-09,09	MACHINED RIP-RAP (CLASS C)	50	TON
740-10-03	GEOTEXTILE (TYPE 1111) (EROSION CONTROL)	375	S.Y.
740-11-03	TEMPORARY SEDIMENT TUBE (18 INCH)	1145	L.F.

SYMBOL	ITEM	STD. DWG.
	SILT FENCE	EC-51R-3B
	SILT FENCE WITH WIRE	EC-51R-3C
	ROCK CHECK DAM (V-DITCH)	EC-51R-6
	TEMPORARY CONSTRUCTION EXIT	EC-51R-25
	ENHANCED ROCK CHECK DAM (V-DITCH)	EC-51R-6A
	SEDIMENT TUBE	EC-51R-37
	CULVERT PROTECTION (TYPE 2)	EC-51R-11A
	CULVERT PROTECTION (TYPE 1)	EC-51R-11
	SEDIMENT FILTER BAG	EC-51R-2
	HIGH VISIBILITY FENCE	S-F-1

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SHEET NO.	YEAR	TYPE	PROJECT NO.
10	2016	R.O.M.	HS1P-67(32)
10	2017	CONST.	HS1P-67(32)

UNOFFICIAL SET NOT FOR BIDDING






STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION

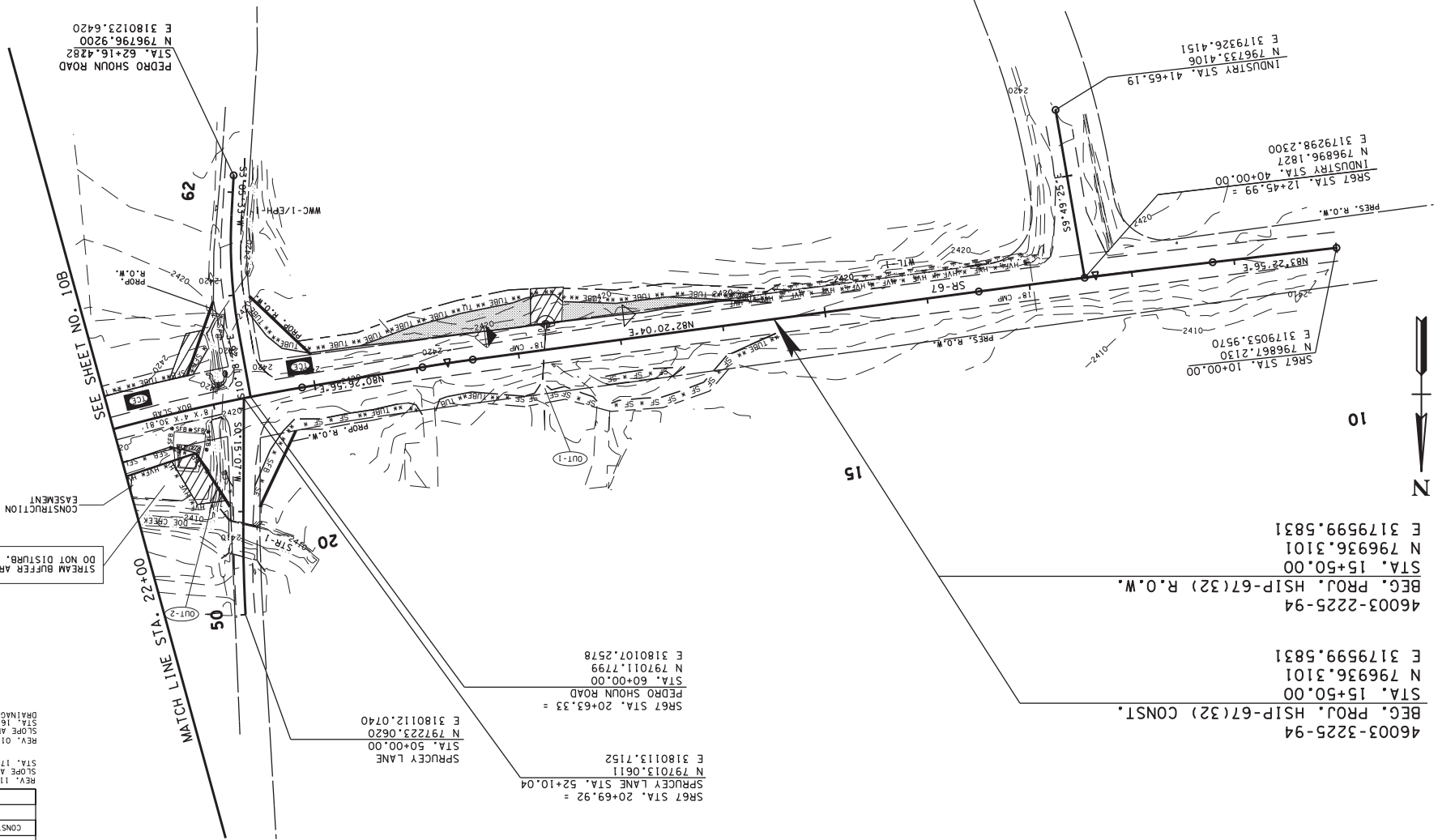
EROSION PREVENTION AND SEDIMENT CONTROL NOTES

NO.	ACRES	SLOPE
OUT-1	0.431	0.329
OUT-2	0.263	0.123
OUT-3	0.087	0.281

OUTFALLS

-  DENOTES PERMANENT DRAINAGE EASEMENT
-  DENOTES 10' PROPOSED CONSTRUCTION EASEMENT
-  DENOTES PROPOSED SLOPE EASEMENT

STAGE I



EROSION CONTROL PLAN AND SEDIMENT CONTROL PLAN
 STA. 15+50 TO STA. 22+00
 SCALE: 1" = 50'

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 REFERENCED TO THE NAD 1988
 THE TBM ALL ELEVATIONS ARE
 FACTOR OF 1.00004 AND TIED TO
 ARE DATUM ADJUSTED BY THE
 COORDINATES ARE NAD 83/1995.

UNOFFICIAL SET NOT FOR BIDDING

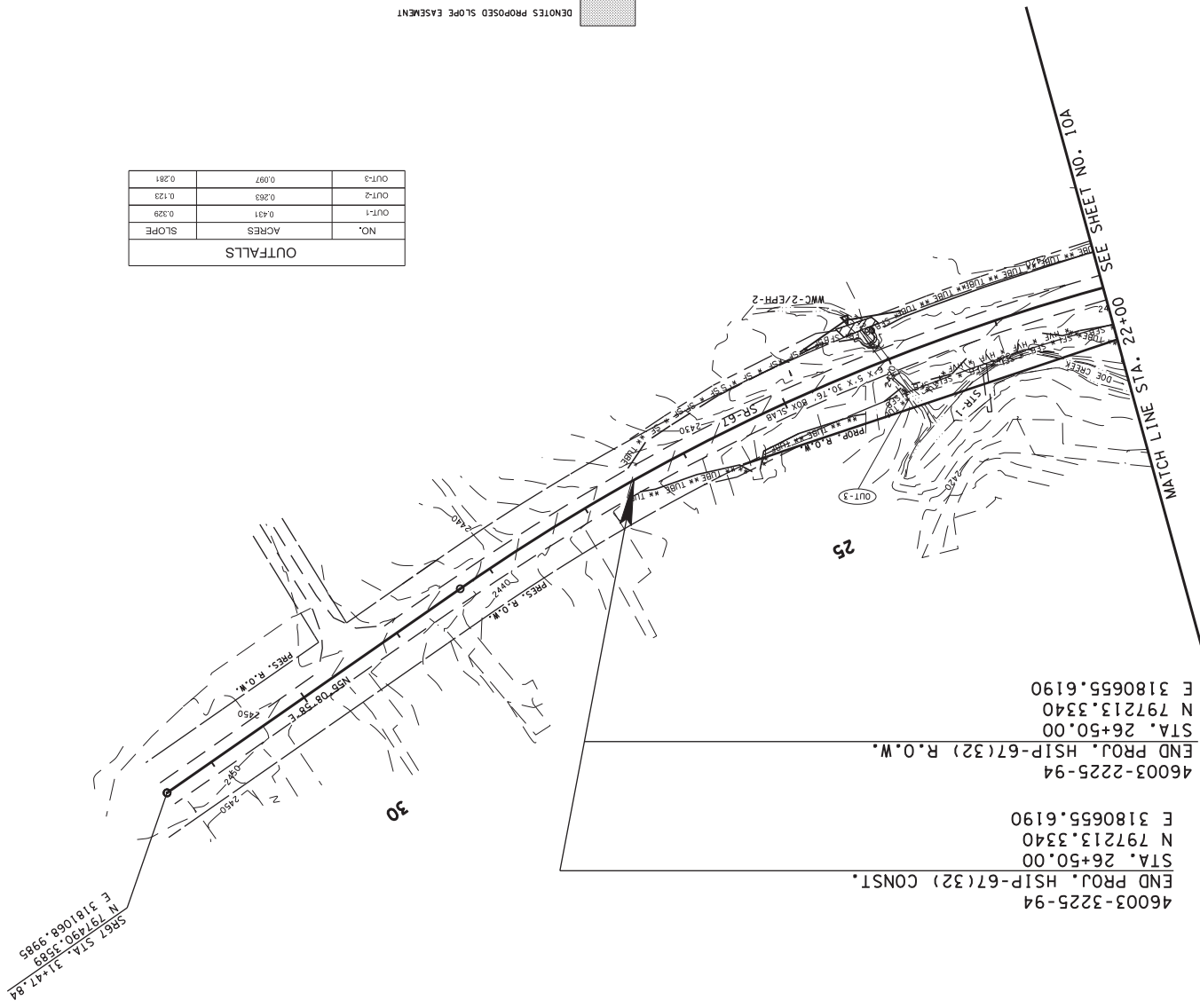
SEAL BY

DO NOT DISTURB.
 STREAM BUFFER AREA
 CONSTRUCTION EASEMENT

REV. 11-21-16: MODIFIED SLOPE LINES,
 SLOPE AND CONSTRUCTION EASEMENT RT.
 STA. 17+50 TO 19+00.
 REV. 01-27-17: MODIFIED SLOPE LINES,
 SLOPE AND CONSTRUCTION EASEMENT RT.
 STA. 16+00.00 TO 19+00.00. MODIFIED
 DRAINAGE EASEMENT RT. STA. 17+00.00.




SHEET NO.	PROJECT NO.	YEAR	TYPE
10A	HS1P-67(32)	2016	R.O.W.
10A	HS1P-67(32)	2017	CONST.

SR67 STA. 20+69.92 =
 SPRUCEY LANE STA. 52+10.04
 N 797013.0611
 E 3180113.7152
 STA. 50+00.00
 N 797223.0620
 E 3180112.0740
 SPRUCEY LANE
 SR67 STA. 20+63.33 =
 PEDRO SHOUN ROAD
 N 797011.7199
 E 3180107.2578
 STA. 60+00.00
 N 796867.2130
 E 3179053.9510
 SR67 STA. 10+00.00
 N 796896.1827
 E 3179298.2300
 INDUSTRY STA. 40+00.00
 N 796896.1827
 E 3179298.2300
 INDUSTRY STA. 12+45.99 =
 N 796733.4106
 E 3179326.4151
 INDUSTRY STA. 41+65.19
 N 796733.4106
 E 3179326.4151



46003-3225-94
 END PROJ. HSI-P-67(32) CONST.
 STA. 26+50.00
 N 797213.3340
 E 3180655.6190

46003-2225-94
 END PROJ. HSI-P-67(32) R.O.W.
 STA. 26+50.00
 N 797213.3340
 E 3180655.6190

-  DENOTES PERMANENT DRAINAGE EASEMENT
-  DENOTES 10' PROPOSED CONSTRUCTION EASEMENT
-  DENOTES PROPOSED SLOPE EASEMENT

OUTFALLS		
NO.	ACRES	SLOPE
OUT-1	0.229	0.431
OUT-2	0.263	0.123
OUT-3	0.097	0.281

STAGE 1

EROSION PREVENTION AND SEDIMENT CONTROL PLAN
 DEPARTMENT OF TRANSPORTATION
 STATE OF TENNESSEE

COORDINATES ARE NAD83/9951
 ARE DATUM ADJUSTED BY THE
 FACTOR OF 1.00004 AND TIED TO
 THE TBM. ALL ELEVATIONS ARE
 REFERENCED TO THE NAVD 1988.






UNOFFICIAL
 SET
 NOT FOR
 BIDDING
 SEALED BY

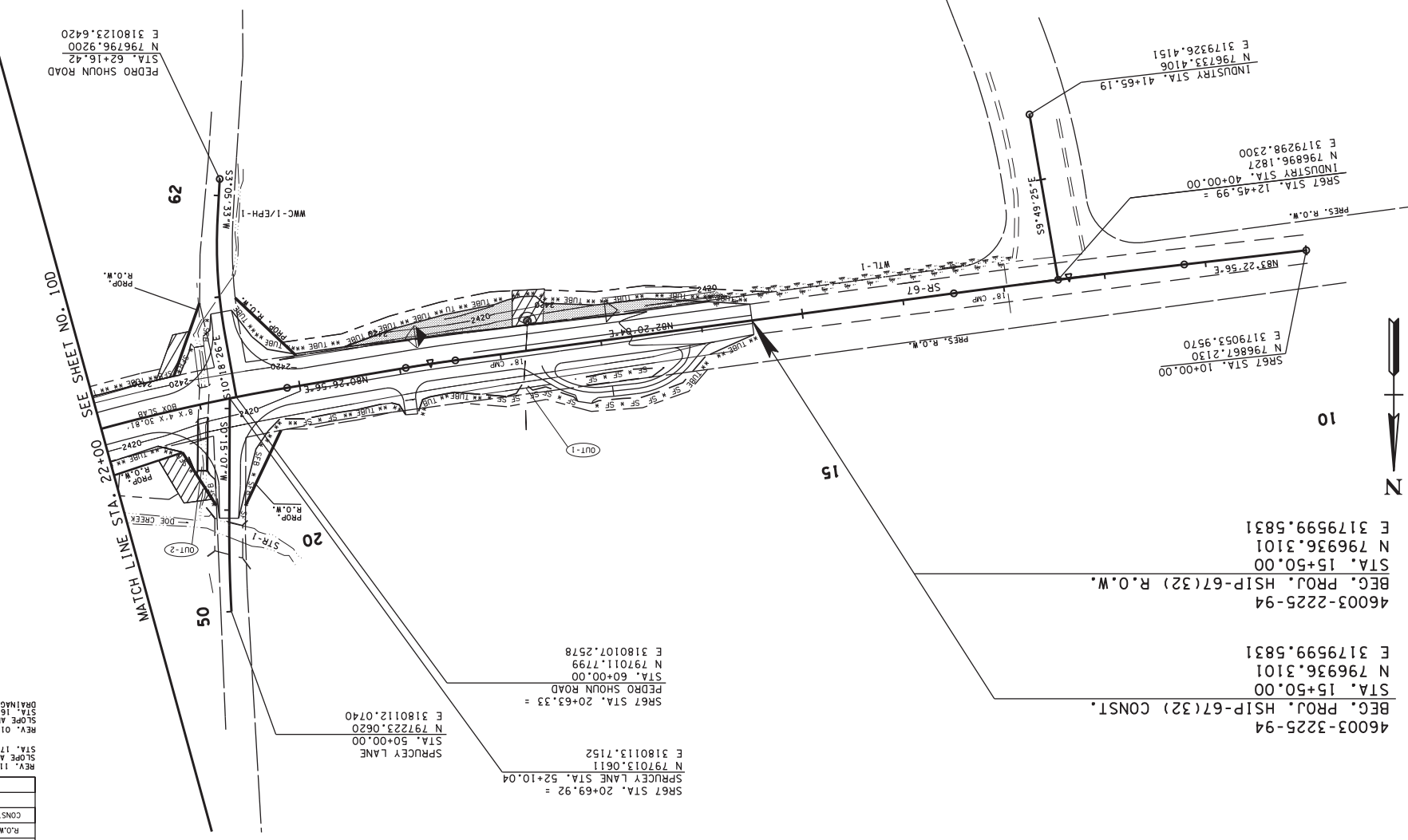
SHEET NO.	YEAR	TYPE	PROJECT NO.
108	2016	R.O.W.	HSI-P-67(32)
108	2017	CONST.	HSI-P-67(32)

5862 STA. 31+47.84
 N 797490.5589
 E 3181068.9985

NO.	ACRES	SLOPE
OUT-1	0.431	0.239
OUT-2	0.263	0.123
OUT-3	0.097	0.281

-  DENOTES PERMANENT DRAINAGE EASEMENT
-  DENOTES 10' PROPOSED CONSTRUCTION EASEMENT
-  DENOTES PROPOSED SLOPE EASEMENT

STAGE 11



46003-3225-94
 STA. 15+50.00
 N 796936.3101
 E 3179599.5831
 BEG. PROJ. HSP-67(32) CONST.
 STA. 15+50.00
 N 796936.3101
 E 3179599.5831
 BEG. PROJ. HSP-67(32) R.O.W.
 STA. 15+50.00
 N 796936.3101
 E 3179599.5831

46003-3225-94
 STA. 50+00.00
 N 797223.0620
 E 3180112.0740
 SPRUCEY LANE
 STA. 50+00.00
 N 79703.0611
 E 3180113.7152
 SPRUCEY LANE STA. 52+10.04

SR67 STA. 20+69.92 =
 N 79703.0611
 E 3180113.7152
 SPRUCEY LANE STA. 52+10.04

SR67 STA. 20+63.33 =
 N 797011.7799
 E 3180107.2578
 PEDRO SHOUN ROAD
 STA. 60+00.00
 N 797011.7799
 E 3180107.2578

SR67 STA. 12+45.99 =
 N 796896.1827
 E 3179298.2300
 INDUSTRY STA. 40+00.00
 N 796733.4106
 E 3179326.4151
 INDUSTRY STA. 41+65.19

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
**EROSION
 PREVENTION
 AND SEDIMENT
 CONTROL PLAN**
 SCALE: 1" = 50'

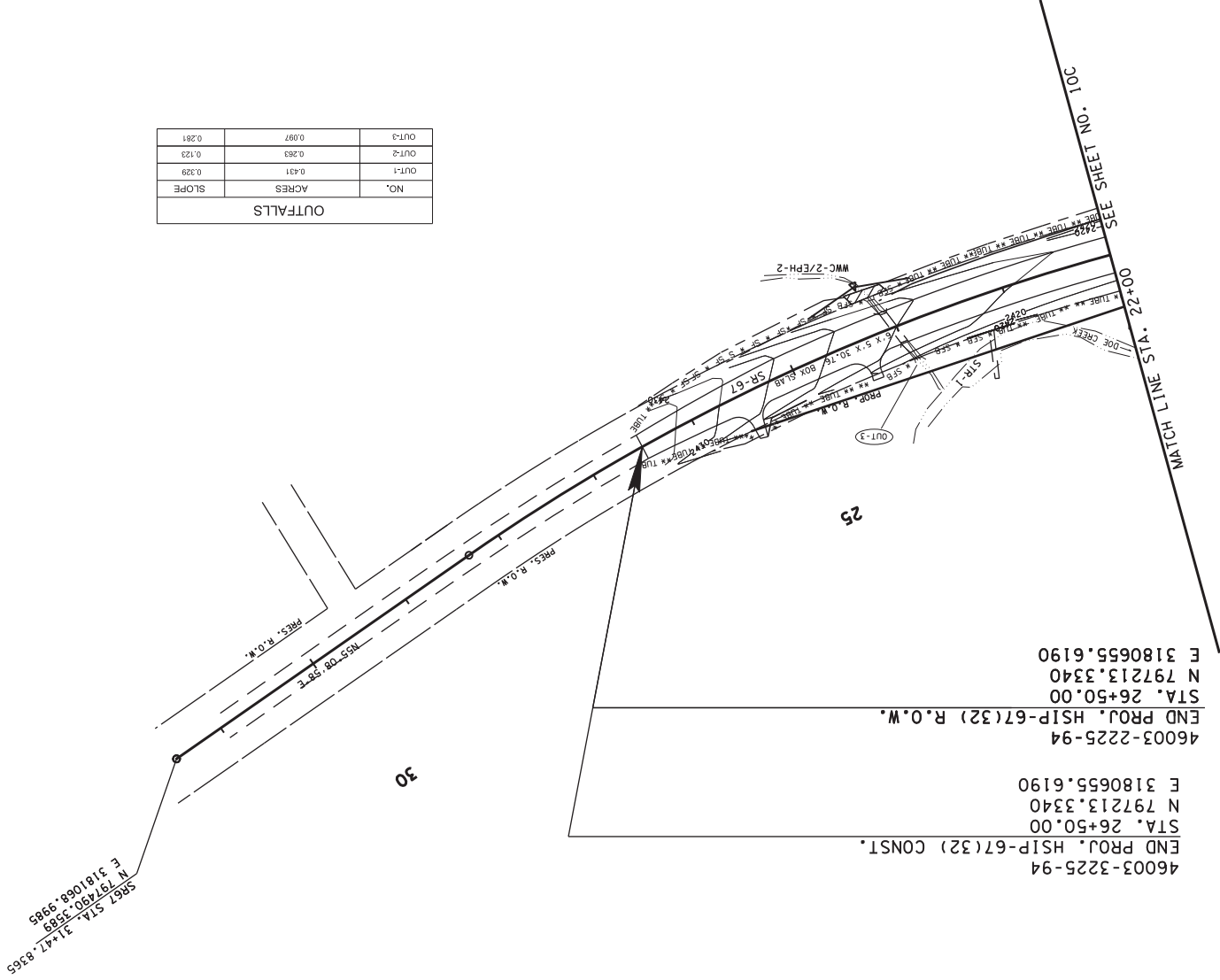
COORDINATES ARE NAD83/8395.
 ARE DATUM ADJUSTED BY THE
 FACTOR OF 1.00004 AND TIED TO
 THE TNM ALL ELEVATIONS ARE
 REFERENCED TO THE NAD 1988.



UNOFFICIAL
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 SEALED BY

REV. 11-21-16: MODIFIED SLOPE LINES,
 SLOPE AND CONSTRUCTION EASEMENT RT.
 STA. 17+50 TO 19+00.
 REV. 01-27-17: MODIFIED SLOPE LINES,
 SLOPE AND CONSTRUCTION EASEMENT RT.
 STA. 16+00 TO 19+00.00. MODIFIED
 DRAINAGE EASEMENT RT. STA. 17+00.00.

SHEET	NO.	YEAR	PROJECT NO.
10C	2016	R.O.W.	HSP-67(32)
10C	2017	CONST.	HSP-67(32)



46003-3225-94
 END PROJ. HSIP-67(32) CONST.
 STA. 26+50.00
 N 797213.3340
 E 3180655.6190

46003-2225-94
 END PROJ. HSIP-67(32) R.O.W.
 STA. 26+50.00
 N 797213.3340
 E 3180655.6190

OUTFALLS		
NO.	ACRES	SLOPE
OUT-1	0.431	0.329
OUT-2	0.293	0.123
OUT-3	0.097	0.281

STAGE II

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 EROSION PREVENTION AND SEDIMENT CONTROL PLAN
 STA. 22+00 TO STA. 26+50
 SCALE: 1" = 50'



UNOFFICIAL SET
 NOT FOR BIDDING
 SEALED BY

SHEET NO.	YEAR	TYPE	PROJECT NO.
100	2016	R.O.W.	HSIP-67(32)
101	2017	CONST.	HSIP-67(32)