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

EROSION PREVENTION AND SEDIMENT CONTROL SPECIAL NOTES (1)

STREAM/WETLAND

(34) 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 ITEMS SPECIFIED IN THE PLANS FOR THE TEMPORARY DIVERSION CHANNELS, EC-STR-31 AND TEMPORARY DIVERSION CULVERTS, EC-STR-32 FOR SINGLE BARREL CULVERT CONSTRUCTION.

KNOWN EXCEPTIONAL TENNESSEE WATERS

(35) FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, AN OUTFALL IN A DRAINAGE AREA OF 5 ACRES OR MORE, A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE ENVIRONMENTAL AND DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTON GENERAL PERMIT.

(36) FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, A 60 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM WITH THIS DESIGNATION SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

NPDES

(37) NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE BASIC EPSC DEVICES ON THE EPSC PLAN, CONTAINED IN THE APPROVED SWPPP.

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

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

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

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

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

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

(40) PERMANENT EPSC MEASURES SHALL BE INITIATED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING OF ANY SEQUENCE OR PHASE. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING OR WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE ARE TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME UNTIL AFTER 15 CALENDAR DAYS. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER RUNS WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE.

(41) 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.

(42) ALL APPLICABLE BMP'S AND EPSC MEASURES TO BE USED, ANY HAUL ROAD MATERIAL BROUGHT IN NEEDS TO BE REMOVED AT THE COMPLETION OF THE PROJECT, PREVENT RIVER WATERS FROM CONTACTING ANY UNCURED CEMENT, AND KEEP ALL CEMENT DUST AND TOXICS FROM ENTERING THE RIVER AT PIER OR ABUTMENT SITES.

EROSION CONTROL QUANTITIES (1) (2) (3) (4)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
209-05	SEDIMENT REMOVAL	C.Y.	1,204
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	9,104
209-08.03	TEMPORARY SILT FENCE (WITHOUT BACKING)	L.F.	8,785
209-08.07	ROCK CHECK DAM	EACH	27
209-08.08	ENHANCED ROCK CHECK DAM	EACH	2
209-09.03	SEDIMENT FILTER BAG (15'X15')	EACH	24
209-10.01	TEMPORARY DEWATERING STRUCTURE	C.Y.	596
209-40.30	CATCH BASIN PROTECTION (TYPE A)	EACH	8
209-40.33	CATCH BASIN PROTECTION (TYPE D)	EACH	4
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	122
709-05.06	MACHINED RIP RAP (CLASS A-1)	TON	39
740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	446
740-11.02	TEMPORARY SEDIMENT TUBE (12 INCH) (STRAW WATTLES)	L.F.	1,200
740-11.04	TEMPORARY SEDIMENT TUBE (20 INCH) (STRAW WATTLES)	L.F.	266
801-01	SEEDING (WITH MULCH)	UNIT	207
801-02.08	TEMPORARY SEEDING (WITHOUT MULCH)	UNIT	100
801-03	WATER (SEEDING AND SODDING)	M.G.	64
803-01	SODDING (NEW SOD)	S.Y.	748
805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	400
806-02.03	PROJECT MOWING	CYCL	6

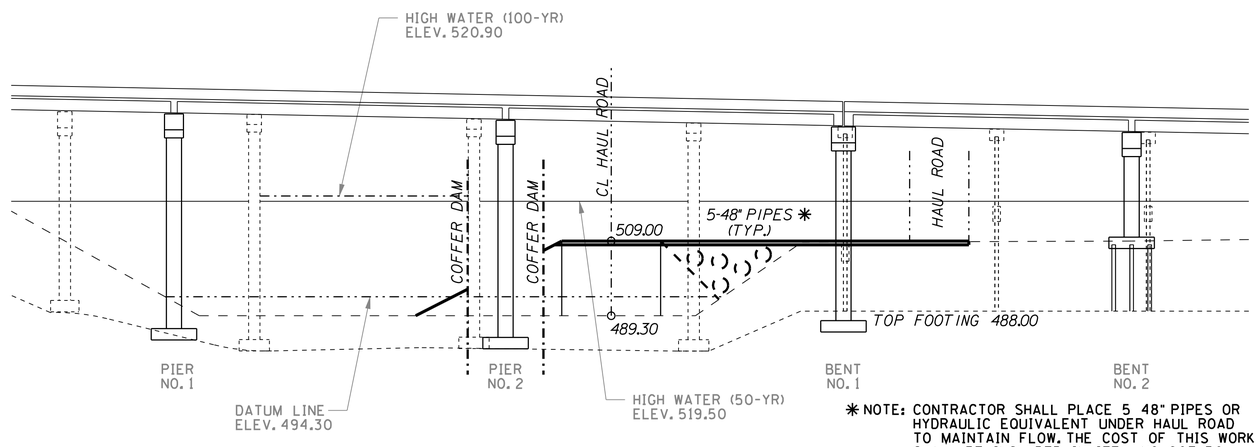
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	11003-3134-94	4A
CONST.	2014	BR-1-40-3(155)	4A

(1) 02-05-13 JRG REVISED QUANITIES AND NOTES

(2) 04-26-13 JRG REVISED QUANTITY FOR ITEM NO. 740-11.02, ADDED A DESCRIPTION TO 740-11.02 AND 740-11.04

(3) 11-06-13 JRG REVISED QUANTITY FOR ITEM NOS. 709-05.08 AND 740-10.03, ADDED HAUL ROAD SECTION "A-A"

(4) 11-15-13 JRG EDITED NOTE FOR HAUL ROAD SECTION, REVISED ITEM NO. 740-10.03 AND REMOVED ITEM NOS. 709-05.05 AND 709-05.08



✱ NOTE: CONTRACTOR SHALL PLACE 5 48" PIPES OR HYDRAULIC EQUIVALENT UNDER HAUL ROAD TO MAINTAIN FLOW. THE COST OF THIS WORK SHALL BE INCLUDED IN ITEM NO. 203-50, CONSTRUCTION OF HAUL ROAD.

HAUL ROAD SECTION "A-A" (3) (4)

NOTE: SEE SHEET 4B FOR PLAN VIEW.

0 20 40 60

SCALE
(FT)

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04/04/2014

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL NOTES AND QUANTITIES