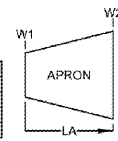


OUTLET PROTECTION SUMMARY

TYPE OF OUTFALL	FLOW RATE	VELOCITY	LA	W1	W2	TAILWATER	d50	STONE DEPTH
ST-#1 (18" PIPE)	9.75 CFS	4.8 FPS	8' 3" 11'	< 0.5D _o	3.5"	5" MIN.		
ST-#2 (18" PIPE)	9.35 CFS	5.8 FPS	9' 4.5" 14'	< 0.5D _o	3"	5" MIN.		
ST-#3 (15" PIPE)	6.0 CFS	5.2 FPS	8' 3" 11'	< 0.5D _o	3.5"	5" MIN.		
ST-#4 (15" PIPE)	6.0 CFS	5.2 FPS	8' 3" 11'	< 0.5D _o	3.5"	5" MIN.		

COMBINATION OF TYPE I AND TYPE III FOR ALL OUTLET PROTECTION.



EROSION CONTROL NOTES:

- [CHECKLIST #19] THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- [CHECKLIST #20] EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- [CHECKLIST #21] ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- ANY REVISION TO THE ES&PC PLAN AFTER FINAL APPROVAL DURING CONSTRUCTION WHICH AFFECTS A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- THE SITE IS INCLUDED IN THE ORIGINAL EROSION CONTROL PLANS, AND NOT FOR PROJECT SPNR-09-14-002134 (VETERANS PARKWAY CENTER) WHERE A DETENTION POND IS FITTED WITH A SKIMMER FOR SEDIMENT STORAGE AND MUST NOT BE REMOVED UNTIL FINAL STABILIZATION HAS OCCURRED THROUGHOUT THE ENTIRE SITE. SKIMMER SEDIMENT STORAGE CALCULATIONS HAVE BEEN PROVIDED FOR DETAILS ON DETENTION POND, REFER TO PLANS SPNR-09-14-002134.
- [CHECKLIST #6] THE TOTAL DISTURBED ACREAGE FOR THIS PROJECT IS 2.1 ACRES.
- [CHECKLIST #4] THERE ARE NO WETLANDS LOCATED WITHIN 200' OF THE PROJECT SITE.
- [CHECKLIST #41] THERE ARE NO STATE WATERS WITHIN 200' FEET OF SUBJECT PROPERTY.
- THERE ARE NO KNOWN ZONING RESTRICTIONS FOR THIS SITE.

EROSION CONTROL MEASURES - FINAL PHASE:

- CONTRACTOR IS TO ESTABLISH PERMANENT VEGETATIVE COVER ON DISTURBED UNPAVED SURFACES. SEE LANDSCAPE PLAN ON SHEET C-10 FOR PERMANENT VEGETATION AND PLANTINGS.
- ONCE PERMANENT STABILIZATION OF VEGETATIVE GROUND COVER IS ACHIEVED, CONTRACTOR IS TO REMOVE ALL TEMPORARY SEDIMENT CONTROL MEASURES.
- [CHECKLIST #6 & 47] THE DISTURBED AREA FOR THE FINAL PHASE IS 0.0 ACRES

*****NOTE:
 [CHECKLIST #15] NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
 [CHECKLIST #17] AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
 [CHECKLIST #18] WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

VEGETATIVE MEASURES AND STRUCTURAL PRACTICES [CHECKLIST #35 & 49]

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds3	DISTURBED AREA STABILIZATION (WITH SEEDING)			ESTABLISHING A PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION (WITH SO2)			ESTABLISHING PERMANENT VEGETATIVE COVER USING SO2 ON DISTURBED AREAS.
St	STORM DRAIN OUTLET PROTECTION			A PAVED OR SHORT SECTION OF RIP-RAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF

THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO AND CONCURRENT WITH LAND DISTURBING ACTIVITIES

DESIGN PROFESSIONAL CERTIFICATION: [CHECKLIST #12]

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION."
 JOEL D WOMACK, PE
 GSWCC LEVEL II CERTIFIED DESIGN PROFESSIONAL NO.: 61976

A COPY OF THE ENTIRE ES&PC MUST BE RETAINED ON-SITE OR AT A REASONABLE ALTERNATIVE LOCATION SUCH AS A LOCAL OFFICE. EVERY PERMITEE ASSOCIATED WITH THE PROJECT MUST BE PROVIDED A COPY OF THE ES&PC, AND IT IS IMPORTANT THAT THE PRIMARY PERMITEE OBTAIN WRITTEN ACKNOWLEDGMENT THAT A COPY OF THE ES&PC HAS BEEN OBTAINED BY A PERMITEE(S).

[CHECKLIST #2] LEVEL II CERTIFICATION

GSWCC GEORGIA SOIL AND WATER CONSERVATION COMMISSION

Joel D Womack
 Level II Certified Design Professional

CERTIFICATION NUMBER 0000061976
 ISSUED 03/28/2017 EXPIRES 03/28/2020

[CHECKLIST #4]
 24 HOUR CONTACT TO BE DETERMINED (XXX) XXX-XXXX

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DOCUMENT CONTROL					

DOLLAR TREE

COLUMBUS, GA

FINAL EROSION & SEDIMENTATION CONTROL PLAN

PROJ. NO. 17-7039 DWG. NO. C-12.0

