

#### **GRADING NOTES:**

1. PRIOR TO ANY GRADING, THE CONTRACTOR SHALL VERIFY THE REQUIRED INITIAL EROSION & SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN AND NOTED IN THE NARRATIVE. SOME MODIFICATIONS TO ESC MEASURES MAY BE REQUIRED DURING CONSTRUCTION.

2. THE CONTRACTOR SHALL COMPLY WITH LOCAL CODES IN OBSERVING EROSION CONTROL MEASURES BOTH ON AND OFF THE SITE. REFER TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR DETAILS AND SPECIFICATIONS OF THOSE EROSION CONTROL ITEMS FOUND ON THESE DRAWINGS. REFERENCE IS DIRECTED TO THE "EROSION CONTROL NARRATIVE & DETAILS".

3. THE CONTRACTOR SHALL PROVIDE ALL SITE GRADING, GENERAL EXCAVATION, UTILITY TRENCHING & BACKFILLING, AND FINISH GRADING AS INDICATED ON THE DRAWINGS. WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH VDOT STANDARDS AND SPECIFICATIONS. ALL FILLS AND BACKFILLS SHALL BE UNIFORMLY COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DENSITY.

4. THE CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.

5. PERVIOUS PAVER AREAS SHALL BE PROTECTED FROM SEDIMENT DURING CONSTRUCTION BOTH BEFORE AND AFTER PLACEMENT OF PAVERS BY USE OF PERIMETER CONTOURS DESCRIBED HERE IN. CONTRACTOR SHALL NOT ALLOW SEDIMENT LADEN RUNOFF TO DRAIN ACROSS PAVERS.

## **EROSION & SEDIMENT CONTROL/CONSTRUCTION SEQUENCE:**

- CONTRACTOR SHALL INSTALL SILT FENCE PRIOR TO DISTURBING ANY LAND.
- CONTRACTOR SHALL DEMO PAVEMENT AS NOTED ON PLANS.
- CONTRACTOR SHALL INSTALL STORM PIPE AND GRADE SITE AS INDICATED CONTRACTOR SHALL INSTALL INLET PROTECTION ON NEW INLETS IMMEDIATELY UPON INSTALLATION.
- CONTRACTOR SHALL INSTALL PAVING, SW, CURB, AND PERVIOUS PAVER. • THE CONTRACTOR SHALL PROVIDE PERMANENT SEEDING IN AREAS THAT HAVE REACHED FINAL GRADE. PERMANENT SEEDING SHALL BE INSTALLED WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE. IF AREAS ARE NOT AT FINAL GRADE BUT ARE TO REMAIN DORMANT FOR A PERIOD OF FOURTEEN (14) DAYS, THE CONTRACTOR SHALL INSTALL TEMPORARY SEEDING. REFER TO DETAILS OF TEMPORARY AND PERMANENT
- IN AREAS WHERE EROSION OCCURS, THE CONTRACTOR SHALL STABILIZE THOSE AREAS WITH APPROPRIATE MEASURES SUCH AS BLANKET MATTING.
- THE CONTRACTOR SHALL CHECK AND VERIFY ALL EXISTING PERIMETER EROSION AND SEDIMENT CONTROL MEASURES AROUND THE ENTIRE SITE AFTER EACH STORM EVENT. ANY PERIMETER EROSION CONTROL MEASURES THAT ARE DAMAGED SHALL BE REPAIRED TO CONTROL SEDIMENT LADEN RUNOFF FROM ENTERING ADJACENT PROPERTIES AND/OR STORM SEWER SYSTEMS.

## FINAL PHASE EROSION AND SEDIMENT CONTROL MEASURES:

FINAL PHASE OF EROSION & SEDIMENT CONTROL MEASURES:

- · ONCE THE SITE HAS BEEN STABILIZED, THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY BE REMOVED AND THOSE AREAS BROUGHT TO FINAL GRADE AND STABILIZED. THE CONTRACTOR SHALL COORDINATE WITH LOCAL AUTHORITY PRIOR TO REMOVING THE EROSION AND SEDIMENT CONTROL MEASURES. ALL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER TEMPORARY MEASURES ARE NO LONGER NEEDED, UNLESS OTHERWISE AUTHORIZED BY THE LOCAL PROGRAM AUTHORITY. ALL ESC MEASURES TO BE ALTERED OR REMOVED REQUIRE LOCAL AUTHORITY APPROVAL.
- THE SILT FENCE, INLET PROTECTION, AND DIVERSION DIKE SHALL BE REMOVED FROM THE PROJECT ONCE ALL DISTURBED AREAS ARE STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED. THE USE OF A FILTER DEVICE SHALL BE USED TO DEWATER SEDIMENT LADEN WATER.

### **EROSION AND SEDIMENT CONTROL MEASURES**

PROVIDE THE FOLLOWING:

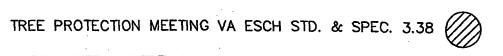
STRAW BALE BARRIER MEETING VA ESCH STD. & SPEC. 3.04



INLET PROTECTION MEETING VA ESCH STD. & SPEC. 3.07 //// PERMANENT SEEDING MEETING VA ESCH STD. & SPEC. 3.32

SILT FENCE MEETING VA ESCH STD. & SPEC. 3.05

MULCHING MEETING VA ESCH STD. & SPEC. 3.35



DUST CONTROL MEETING VA ESCH STD. & SPEC. 3.39

### **LEGEND:**

S-LIM-S LIMITS OF WORK

SURFACE GRADE AT TOP OF WALL

TOP OF BLOCK

SURFACE GRADE AT BOTTOM OF WALL

TOP OF CURB

FLOW LINE

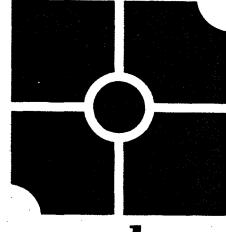
# **ACCESS TO SITE:**

NO CONSTRUCTION ENTRANCE IS PROPOSED DUE TO THE EXPECTATION THAT NO VEHICLES WILL BE TRAVELING IN MUDDY AREAS OF THE SITE. IT IS ANTICIPATED THAT THE CONSTRUCTION OPERATIONS OCCURING IN THE PARKING AREA WILL CONSIST OF DEMOLITION OF ASPHALT AND FINE GRADING WITH STONE. IF SUBGRADE IS EXPOSED DURING THESE OPERATIONS, CONTRACTOR SHALL KEEP CONSTRUCTION TRAFFIC FROM TRAVELING THROUGH EXPOSED SUBGRADE AREAS SUCH THAT MUD WILL NOT BE TRACKED OFFSITE. IT IS ANTICIPATED THAT SUBGRADE EXPOSURE IN THE PARKING WILL BE LIMITED TO LESS THAN 48 HOURS. CONTRACTOR SHALL SCHEDULE POTENTIAL EXPOSURE ACCORDINGLY WITH WEATHER TO EXTENT POSSIBLE. CONTRACTOR SHALL ALSO WASH VEHICLES OF MUD WITH STRAW BALE BARRIER IN PLACE IF NECESSARY BY USE OF EXISTING HOSE BIB.

> City of Roanoke Planning, Building, & Development COMPREHENSIVE DEVELOPMENT PLAN

> > APPROVED

by George Nevergold 09/20/2017

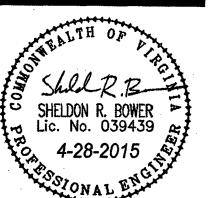


DESIGN GROUP

Ph: 540-387-1153 Phone: 804-358-2947 Fax: 540-389-5767 Fax: 804-359-9645

Salem, VA 24153 Richmond, VA 23220

hese documents are the property of Parker Designation Group(PDG) and may not be reproduced or used without the express permission of PDG. Any reuse of these documents without authorization of PDG will be at the sole risk of the individual or entity utilizing said



45 S 0 O L 50

**REVISIONS:** 

	City, Architect, ar	nd Owner Comn	
<u></u>			
		<del></del>	

**DESIGNED BY:** DRAWN BY: JPA/SRB

**CHECKED BY:** 

SCALE: 16 MARCH 2015

SHEET TITLE:

**Grading & ESC Plan** 

PROJECT NUMBER: 14-0204-02