

GENERAL NOTES THIS SHEET:

- A. SEE SHEET G-003 FOR ABBREVIATIONS AND C-001 FOR CIVIL NOTES AND LEGEND.
- B. MAINTAIN ALL EXISTING EROSION AND SEDIMENT CONTROL (ESC) MEASURES INSTALLED IN EARLY GRADING PACKAGE.
- C. AREAS DESIGNATED TO RECEIVE VEGETATIVE STABILIZATION BY "TEMPORARY SEEDING" ("TS") SHALL ALSO RECEIVE "TOPSOILING" ("TO"), "MULCHING" ("MU"), AND "PERMANENT SEEDING" ("PS").

SHEET KEYNOTES:

1. PROPERTY LINE (TYPICAL).
2. BUILDING OUTLINE FOR REFERENCE ONLY.
3. TEMPORARY PEDESTRIAN ACCESS TO GARAGE TO BE DEMOLISHED. SEE SHEET C-101 FOR DEMOLITION PHASING REQUIREMENTS.

EROSION AND SEDIMENT
CONTROL LEGEND (NEW)

SECT.	KEY	LINE/SYMBOL	DESCRIPTION
3.01	SAF	—○—○—	SAFETY FENCE
3.02	CE	—●—●—	TEMPORARY STONE CONSTRUCTION ENTRANCE
3.05	SF	—X—X—X—	SILT FENCE
3.07	IP	—●—●—	INLET PROTECTION
3.30	TO	—○—○—	TOPSOILING
3.31	TS	—○—○—	TEMPORARY SEEDING
3.32	PS	—○—○—	PERMANENT SEEDING
3.35	MU	—○—○—	MULCH
3.36	BM	—○—○—	SOIL STABILIZATION BLANKETS AND MATTING

NOTE:

1. "SECT" REFERS TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESH) NUMERICAL SPECIFICATION SECTION DESIGNATION.
2. INSTALL SAFETY FENCE INSIDE LIMIT OF WORK.

EROSION AND SEDIMENT
CONTROL LEGEND (EXISTING)

SECT.	KEY	LINE/SYMBOL	DESCRIPTION
3.02	CE	—●—●—	TEMPORARY STONE CONSTRUCTION ENTRANCE
3.05	SF	—X—X—X—	SILT FENCE
3.07	IP	—●—●—	INLET PROTECTION
3.31	TS	—○—○—	TEMPORARY SEEDING
	MU	—○—○—	MULCH
	BM	—○—○—	SOIL STABILIZATION BLANKETS AND MATTING

AS TO THE VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK (VESH) NUMERICAL SPECIFICATION SECTION DESIGNATION, 1:100 MEASURES PER EARLY GRADING PACKAGE ARE SHOWN AS REFLECTED ON THIS SHEET.

GRAPHIC SCALES

1"=20' 10' 0' 20' 40'

EROSION AND SEDIMENT CONTROL NARRATIVE

1. PROJECT DESCRIPTION
- 1.1. THE PURPOSE OF THIS PROJECT IS TO EXPAND THE VIRGINIA TECH CARILION MEDICAL SCHOOL AND RESEARCH INSTITUTE. THE PROPOSED SITE IS LOCATED AT PARCEL #132214 AT 4 RIVERSIDE CIRCLE SW, ROANOKE, VA 24016, AND WAS PREVIOUSLY A PARKING LOT. THE DISTURBANCE WITHIN THE LIMIT OF WORK IS 2.45 ACRES.
2. ADJACENT PROPERTY
- 2.1. ACCESS TO THE SITE IS PROVIDED BY RIVERSIDE CIRCLE FROM ITS INTERSECTION WITH SOUTH JEFFERSON STREET AND RESERVE AVENUE.
3. OFF-SITE AREAS
- 3.1. THE PROJECT WILL REQUIRE A LARGE AMOUNT OF FILL TO BE BROUGHT IN, ANY ANTICIPATED BORROW SITES WILL HAVE THEIR OWN EROSION AND SEDIMENT CONTROL PLANS.
4. SOILS
- 4.1. ALL DISTURBED AREAS WILL BE COVERED BY PAVEMENT, SIDEWALK, OR GRASS.
- SOILS CONSIST OF SANDS (SMSC), GRAVELS (SPGVC) WITH VARYING AMOUNTS OF SILT AND CLAY, SILTS (ML), AND CLAYS (CL).
5. CRITICAL EROSION AREAS
- 5.1. THE 2:1 FILL SLOPES FROM THE PAD WILL BE STABILIZED WITH BLANKETS AND MATTING.
6. EROSION AND SEDIMENT CONTROL MEASURES
- 6.1. ALL STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE CURRENT VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK.
- 6.2. TEMPORARY CONSTRUCTION ENTRANCE - 3.02 A TEMPORARY CONSTRUCTION ENTRANCE WILL BE INSTALLED AT THE SITE ACCESS POINT.
- 6.2.2. SILT FENCE - 3.05 SILT FENCE WILL BE PLACED DOWNSLOPE OF AREAS WITH MINIMAL GRADES TO FILTER
- 6.2.3. SEDIMENT LADEN RUNOFF. STORM DRAIN INLET PROTECTION - 3.07 ALL STORM DRAIN INLETS ON OR NEAR THE SITE WILL BE PROTECTED DURING CONSTRUCTION TO FILTER SEDIMENT LADEN RUNOFF PRIOR TO ENTERING THE STORM DRAIN INLET.
- 6.3. VEGETATIVE PRACTICES
- 6.3.1. TOPSOIL (STOCKPILES) - 3.30. TOPSOIL WILL BE STRIPPED FROM AREAS TO BE GRADED AND STOCKPILED FOR LATER USE. STOCKPILES WILL BE LOCATED ON SITE AND WILL BE STABILIZED WITH TEMPORARY VEGETATION.
- 6.3.2. TEMPORARY SEEDING - 3.32. ALL EXPOSED AREAS THAT WILL BE LEFT DORMANT FOR EXTENDED PERIODS OF TIME WILL BE SEEDING WITH FAST GERMINATING TEMPORARY VEGETATION IMMEDIATELY FOLLOWING INITIAL GRADING.
- 6.3.2.2. SELECTION OF THE SEED MIXTURE WILL DEPEND ON THE TIME OF YEAR IT IS APPLIED.
- 6.3.3. PERMANENT SEEDING - 3.31. PERMANENT SEEDING WILL BE ACCOMPLISHED IN A LATER PACKAGE.
- 7.1. THE TEMPORARY SEEDING WILL STABILIZE THE SITE UNTIL THAT TIME MULCH - 3.35. MULCH (STRAW OR FIBER) WILL BE APPLIED AS A SECOND STEP IN THE SEEDING OPERATION ON RELATIVELY FLAT AREAS.
- 7.2. PERMANENT STABILIZATION
- 7.2.1. ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH SEEDING IMMEDIATELY FOLLOWING GRADING. MULCH (STRAW OR FIBER) WILL BE USED ON RELATIVELY FLAT AREAS. SEED FERTILIZER AND LIME WILL BE APPLIED PRIOR TO MULCHING IN ALL SEEDING OPERATIONS.
8. MANAGEMENT STRATEGIES
- 8.1. CONSTRUCTION SHALL BE SEQUENCED SO THAT GRADING OPERATIONS CAN BEGIN AND END AS QUICKLY AS POSSIBLE. THE JOB SUPERINTENDENT WILL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL PRACTICES.
- 8.2. AFTER ACHIEVING ADEQUATE STABILIZATION, THE TEMPORARY EROSION AND SEDIMENT CONTROLS WILL BE
- 8.4. CLEANED UP AND REMOVED. THE SEEDING AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS WILL BE CHECKED DAILY AND AFTER EACH MEASURABLE RAINFALL EVENT. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:
- 8.5. MAINTENANCE - IN GENERAL, ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CHECKED DAILY AND AFTER EACH MEASURABLE RAINFALL EVENT. THE FOLLOWING ITEMS WILL BE CHECKED IN PARTICULAR:
- 8.6. THE SILT FENCE BARRIER WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT WILL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.
- 8.7. INLET PROTECTION STRUCTURES WILL BE INSPECTED AFTER EACH MEASURABLE RAINFALL EVENT AND REPAIRS MADE AS REQUIRED.
- 8.8. THE CONSTRUCTION ENTRANCE WILL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. ALL MATERIAL SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS WILL BE REMOVED IMMEDIATELY.

SOILS INFORMATION

MUC	NAME	ACRES
53	URBAN LAND	2.50 AC (100% OF SITE)