

**STANDARD GRADING NOTES**

1. FINISH LAWN AREAS TO WITHIN ONE INCH ABOVE OR BELOW REQUIRED SUBGRADE ELEVATIONS. SHAPE SURFACE UNDER WALKS AND PAVEMENTS TO LINE, GRADE, AND CROSS SECTION, WITH NOT MORE THAN 1/2" ABOVE OR BELOW REQUIRED SUBGRADE ELEVATION.
2. SPREAD TOPSOIL TO A UNIFORM COMPACTED DEPTH OF 2" ON 3:1 OR STEEPER SLOPES AND 4" OVER ALL OTHER DISTURBED AREAS NOT RECEIVING WALKS, PAVEMENT, WALLS OR BUILDING, INCLUDING TRENCHES (SEE TABLE 3.30-A). CARE SHALL BE TAKEN TO ENSURE PROPER BONDING AND NOT TO APPLY TOPSOIL TO SUBSOIL IF THE TWO SOILS HAVE CONTRASTING TEXTURES (CLAYEY VS. SANDY). IMMEDIATELY FOLLOWING PLACEMENT OF TOPSOIL, DISK THE ENTIRE TOPSOILED AREA AND RAKE FREE OF STONES AND DEBRIS OVER 1/2" IN ANY DIMENSION. PROVIDE A FINISHED SURFACE FREE OF DEPRESSIONS OR HIGH SPOTS. SEED IMMEDIATELY.

**STRUCTURE SCHEDULE**

- |   |              |                  |
|---|--------------|------------------|
| 1 | DI-1 W/ ST-1 | INV. OUT=2160.43 |
| 2 | DI-1 W/ ST-1 | INV. IN=2141.90  |
|   | TOP=2145.30  | INV. OUT=2141.95 |

**NOTE**  
 INSTALLATION OF STORM STRUCTURES 1 AND 2:  
 REMOVE EXISTING TOP UNITS (CURB INLETS) AND REPLACE WITH VDOT STANDARD PRECAST DI-1 TOP UNITS. SEE DETAIL T-DI-1 ON SHEET C7.

**SEQUENCE OF CONSTRUCTION**

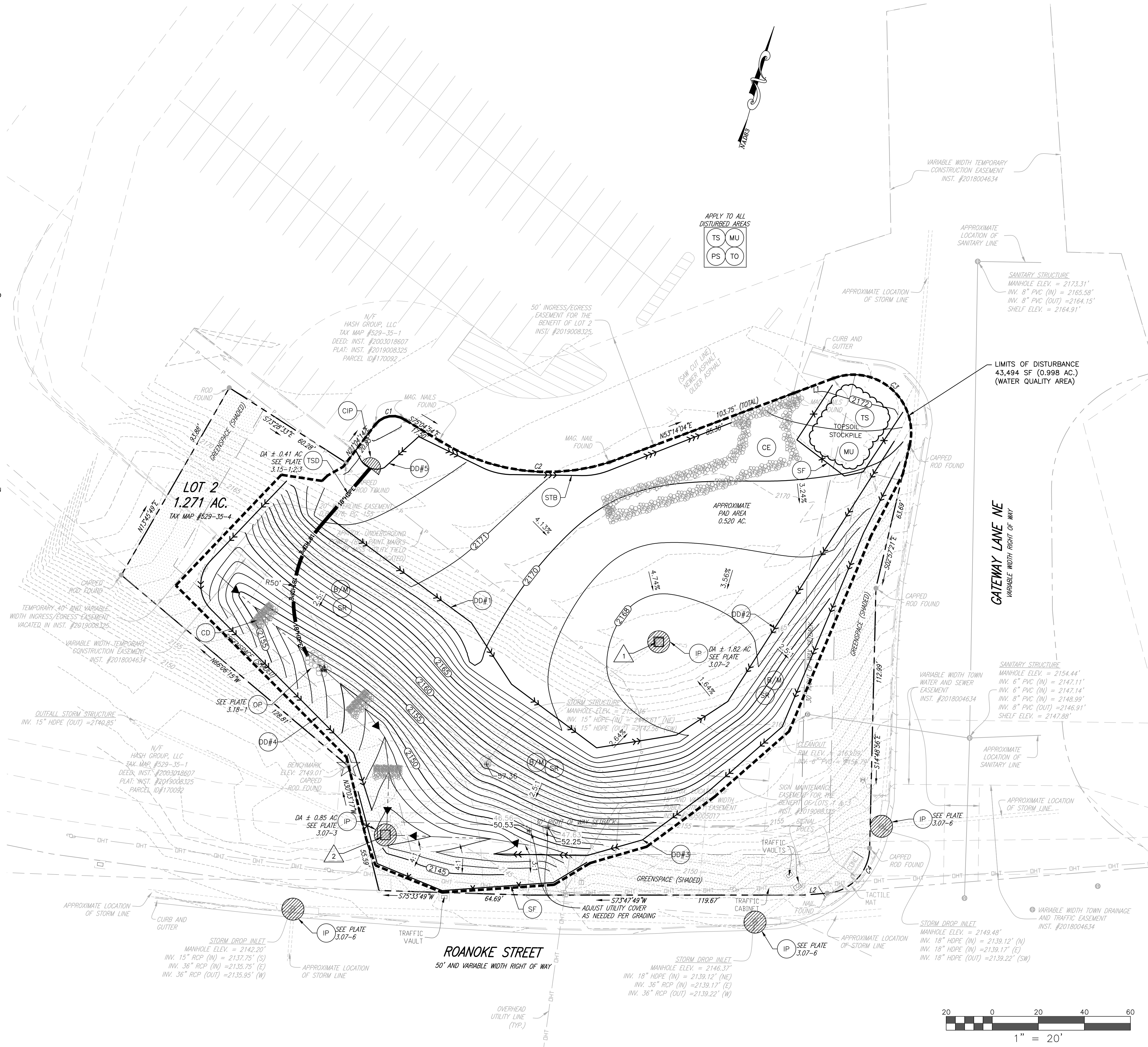
1. AS THE FIRST STEP IN IMPLEMENTATION OF THIS EROSION AND SEDIMENT CONTROL PLAN, IT SHALL BE THE GENERAL CONTRACTOR'S (GC) RESPONSIBILITY TO REVIEW THIS PLAN IN DETAIL WHILE FAMILIARIZING THEMSELVES WITH THE SITE PRIOR TO COMMENCING ANY WORK. FAILURE TO FOLLOW THE SEQUENCE OF CONSTRUCTION OF THE APPROVED PLANS SHALL BE CONSIDERED A VIOLATION AND WILL RESULT IN FURTHER ENFORCEMENT, INCLUDING, BUT NOT LIMITED TO STOP WORK ORDERS AND CIVIL PENALTIES. ADDITIONALLY, IT SHALL BE THE GC'S RESPONSIBILITY TO READ AND ADHERE TO THE STORMWATER POLLUTION PREVENTION PLAN AND THE RECOMMENDATIONS OF THE ONSITE GEOTECHNICAL ENGINEER.
2. THE CONTRACTOR SHALL CONTACT TOWN ENGINEER DEPARTMENT IN WRITING A MINIMUM FIVE (5) BUSINESS DAYS IN ADVANCE OF THE PRE-CONSTRUCTION MEETING.
3. CONTRACTOR SHALL COORDINATE WITH ENGINEER TO HAVE LIMITS OF DISTURBANCE AND PROPERTY CORNERS CLEARLY MARKED BY FLAGGING OR PAINT. THE CONTRACTOR SHALL INSTALL THE PERIMETER EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN AS DETAILED HEREIN.
4. THE CONTRACTOR SHALL INSTALL THE PERIMETER EROSION AND SEDIMENT CONTROL MEASURES PER THE APPROVED PLAN.
5. INSTALL INLET PROTECTION FOR EXISTING INLETS AS SHOWN ON PLANS.
6. CLEAR AREA AROUND THE PROPOSED CONSTRUCTION ENTRANCE AND INSTALL GRAVEL CONSTRUCTION ENTRANCE AS SHOWN. ALL CONSTRUCTION TRAFFIC SHALL ENTER AND EXIT THE SITE VIA SITE CONSTRUCTION ENTRANCE ONLY. DURING WET WEATHER CONDITIONS, DRIVERS OF CONSTRUCTION VEHICLES SHALL BE REQUIRED TO WASH THEIR WHEELS BEFORE ENTERING HIGHWAY.
7. INSTALL SILT FENCE AND STRAW BALE BARRIERS AS SHOWN ON PLANS.
8. INSTALL STORM STRUCTURE #1 AND #2. ALL STORM STRUCTURES TO BE INSTALLED IN ACCORDANCE WITH VDOT STANDARD AND SPECIFICATIONS. INSTALL INLET PROTECTION.
9. COMMENCE CLEARING OF SITE, STRIP AND STOCKPILE TOPSOIL AT LOCATION SHOWN ON PLAN.
10. INSTALL DIVERSION DIKES, ROCK CHECK DAMS, AND 18" HDPE TEMPORARY SLOPE DRAIN WITH INLET AND OUTLET PROTECTION AS SHOWN ON PLANS. WHEN INSTALLING THE OUTLET PROTECTION THE MINIMUM STONE SIZE (D50) SHALL BE 0.5FT AND SHALL HAVE A MINIMUM LENGTH OF THE RIPRAP APRON (LA) OF 9FT.
11. COMMENCE CUT AND FILL OPERATIONS.
12. ONCE GRADING OF THE APPROXIMATE PAD AREA IS COMPLETED AND THE DRAINAGE FROM THIS AREA IS DIRECTED TOWARD STORM STRUCTURE #1 AS SHOWN, DIVERSION DIKES #1 AND #2 MAY BE REMOVED. DIVERSION DIKES #3, #4, AND #5 SHALL REMAIN.
13. COMPLETE REMAINING EARTHWORK TO SUBGRADE ELEVATIONS. PLACE BASE MATERIAL.
14. PLACE TOPSOIL. SEED ALL EARTH AREAS PROMPTLY.
15. PLACE SOIL STABILIZATION BLANKETS AND MATTING ON ALL SLOPES EXCEEDING 3:1.
16. ONCE THE SITE IS STABILIZED AND VEGETATIVE COVER HAS BEEN ESTABLISHED DIVERSION DIKES #3, #4, AND #5 MAY BE REMOVED ALONG WITH THE TEMPORARY SLOPE DRAIN.
17. AN AS-BUILT SURVEY OF THE STORMWATER MANAGEMENT FACILITIES SHALL BE PERFORMED TO ENSURE THEY HAVE BEEN CONSTRUCTED ACCORDING TO THE SITE PLAN. IF SUBSTANTIAL DIFFERENCES ARE DISCOVERED, THE CONTRACTOR AND DESIGN ENGINEER SHALL COORDINATE ANY MODIFICATIONS REQUIRED TO MAKE THE FACILITY FUNCTION AS INTENDED.
18. UPON COMPLETION OF THE PROJECT ALL DISTURBED AREAS MUST BE PERMANENTLY STABILIZED. THE CONTRACTOR SHALL CONTACT TOWN OF CHRISTIANBURG ENGINEERING DEPARTMENT STAFF FOR A FINAL SITE INSPECTION. ALL SILT FENCES AND OTHER TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED FROM THE SITE, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR TOWN OFFICIALS.

**LEGEND**

3.02	TEMPORARY STONE CONSTRUCTION ENTRANCE	CE	3.20	ROCK CHECK DAMS	CD
3.04	STRAW BALE BARRIER	STB	3.29	SURFACE ROUGHENING	SR
3.05	SILT FENCE	SF	3.30	TOPSOILING	TO
3.07	INLET PROTECTION	IP	3.31	TEMPORARY SEEDING	TS
3.08	CULVERT INLET PROTECTION	CIP	3.32	PERMANENT SEEDING	PS
3.09	TEMPORARY DIVERSION DIKE	DD	3.35	MULCHING	MU
3.15	TEMPORARY SLOPE DRAIN	TSD	3.36	SOIL STABILIZATION BLANKETS & MATTING	B/M
3.18	OUTLET PROTECTION	OP			

APPROVED: Engineering \_\_\_\_\_ Date \_\_\_\_\_

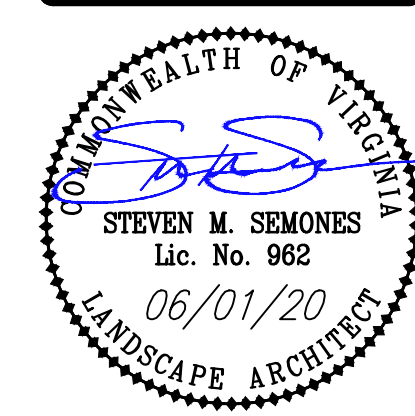
APPROVED: Planning \_\_\_\_\_ Date \_\_\_\_\_



**BALZER & ASSOCIATES**  
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**SHAH - GATEWAY LOT 2 GRADING PLAN**  
 GRADING / EROSION & SEDIMENT CONTROL PLAN

DRAWN BY: ACN  
 DESIGNED BY: ACN  
 CHECKED BY: SMS  
 DATE: 05/01/2020  
 SCALE: 1" = 20'  
 REVISIONS:  
 06/01/2020

SHAWVILLE MAGISTRAL DISTRICT  
 TOWN OF CHRISTIANBURG, VIRGINIA 24073

PROJECT NO. 24200035.00

