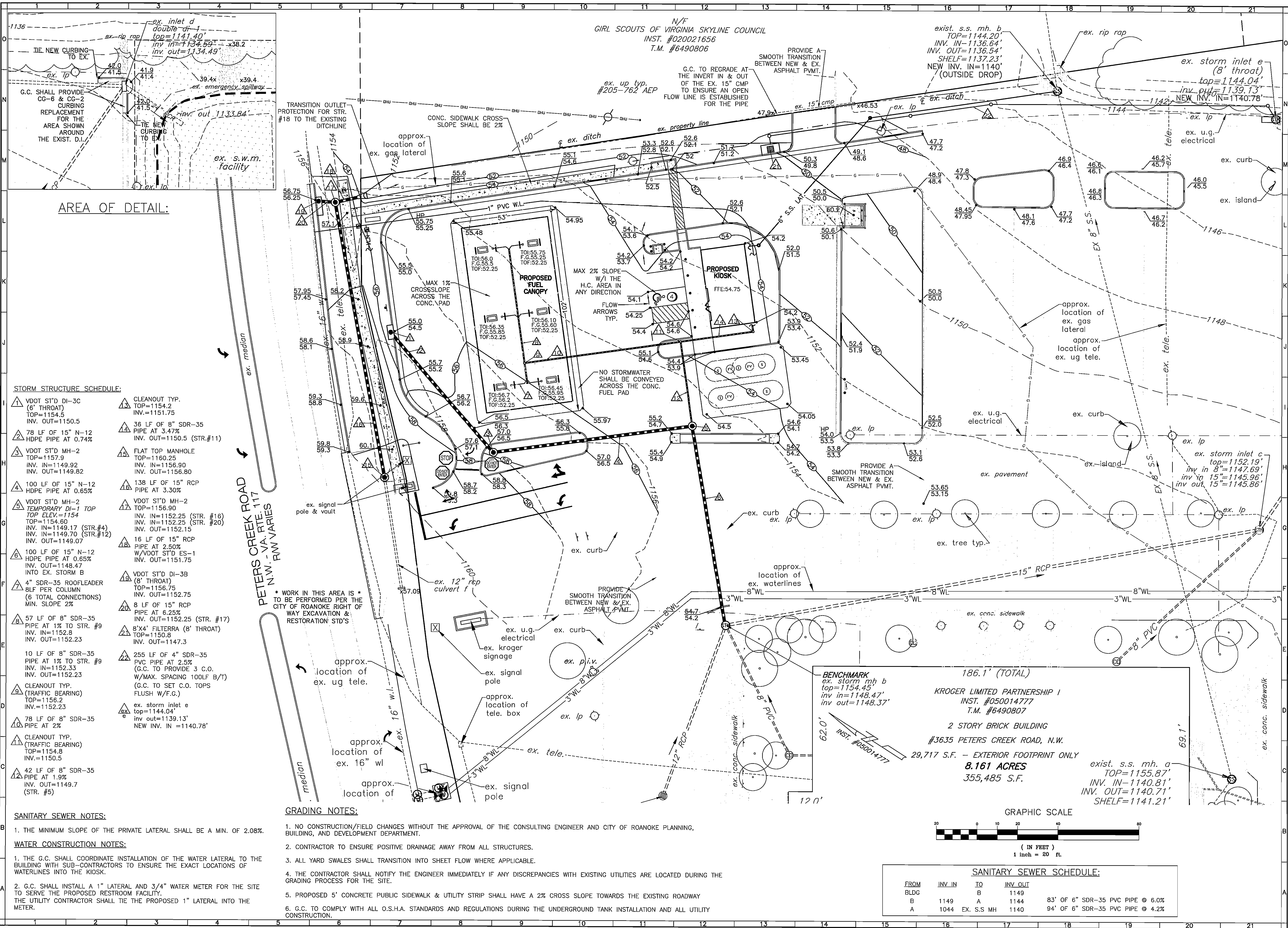




STORM STRUCTURE SCHEDULE:

- 1 VDOT STD DI-3C (6" THROAT) TOP=1154.5 INV. OUT=1150.5
- 2 78 LF OF 15" N-12 HDPE PIPE AT 0.74%
- 3 VDOT STD MH-2 TOP=1157.9 INV. IN=1149.92 INV. OUT=1149.82
- 4 100 LF OF 15" N-12 HDPE PIPE AT 0.65%
- 5 VDOT STD MH-2 TEMPORARY DI-1 TOP TOP ELEV=1154 TOP=1154.60 INV. IN=1149.17 (STR.#4) INV. IN=1149.70 (STR.#12) INV. OUT=1149.07
- 6 100 LF OF 15" N-12 HDPE PIPE AT 0.65% INTO EX. STORM B
- 7 4" SDR-35 ROOFLEADER 8LF PER COLUMN (6 TOTAL CONNECTIONS) MIN. SLOPE 2%
- 8 57 LF OF 8" SDR-35 PIPE AT 1% TO STR. #9 INV. IN=1152.8 INV. OUT=1152.23
- 9 CLEANOUT TYP. (TRAFFIC BEARING) TOP=1156.2 INV. IN=1152.23
- 10 78 LF OF 8" SDR-35 PIPE AT 2%
- 11 CLEANOUT TYP. (TRAFFIC BEARING) TOP=1154.8 INV. IN=1150.5
- 12 42 LF OF 8" SDR-35 PIPE AT 1.9% INV. OUT=1149.7 (STR. #5)
- 13 CLEANOUT TYP. TOP=1154.2 INV. IN=1151.75
- 14 36 LF OF 8" SDR-35 PIPE AT 3.47% INV. OUT=1150.5 (STR.#11)
- 15 FLAT TOP MANHOLE TOP=1160.25 INV. IN=1156.90 INV. OUT=1156.80
- 16 138 LF OF 15" RCP PIPE AT 3.30%
- 17 VDOT STD MH-2 TOP=1156.90 INV. IN=1152.25 (STR. #16) INV. IN=1152.25 (STR. #20) INV. OUT=1152.15
- 18 16 LF OF 15" RCP PIPE AT 2.50% W/VDOT STD ES-1 INV. OUT=1151.75
- 19 VDOT STD DI-3B (8" THROAT) TOP=1156.75 INV. OUT=1152.75
- 20 8 LF OF 15" RCP PIPE AT 6.25% INV. OUT=1152.25 (STR. #17)
- 21 8"x4" FILTERRA (8" THROAT) TOP=1150.8 INV. OUT=1147.3
- 22 255 LF OF 4" SDR-35 PVC PIPE AT 2.5% (G.C. TO PROVIDE 3 C.O. W/MAX. SPACING 100LF B/T) (G.C. TO SET C.O. TOPS FLUSH W/F.G.)
- 23 CLEANOUT TYP. TOP=1156.2 INV. IN=1152.23
- 24 ex. storm inlet e top=1144.04' inv out=1139.13' NEW INV. IN=1140.78'

SANITARY SEWER NOTES:

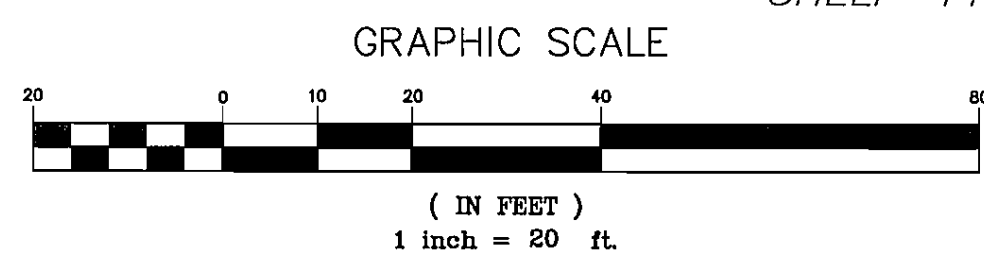
- 1. THE MINIMUM SLOPE OF THE PRIVATE LATERAL SHALL BE A MIN. OF 2.08%.

WATER CONSTRUCTION NOTES:

- 1. THE G.C. SHALL COORDINATE INSTALLATION OF THE WATER LATERAL TO THE BUILDING WITH SUB-CONTRACTORS TO ENSURE THE EXACT LOCATIONS OF WATERLINES INTO THE KIOSK.
- 2. G.C. SHALL INSTALL A 1" LATERAL AND 3/4" WATER METER FOR THE SITE TO SERVE THE PROPOSED RESTROOM FACILITY. THE UTILITY CONTRACTOR SHALL TIE THE PROPOSED 1" LATERAL INTO THE METER.

GRADING NOTES:

- 1. NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEER AND CITY OF ROANOKE PLANNING, BUILDING, AND DEVELOPMENT DEPARTMENT.
- 2. CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL STRUCTURES.
- 3. ALL YARD SWALES SHALL TRANSITION INTO SHEET FLOW WHERE APPLICABLE.
- 4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY DISCREPANCIES WITH EXISTING UTILITIES ARE LOCATED DURING THE GRADING PROCESS FOR THE SITE.
- 5. PROPOSED 5' CONCRETE PUBLIC SIDEWALK & UTILITY STRIP SHALL HAVE A 2% CROSS SLOPE TOWARDS THE EXISTING ROADWAY
- 6. G.C. TO COMPLY WITH ALL O.S.H.A. STANDARDS AND REGULATIONS DURING THE UNDERGROUND TANK INSTALLATION AND ALL UTILITY CONSTRUCTION.



SANITARY SEWER SCHEDULE:

FROM BLDG	INV. IN	TO	INV. OUT	
B	1149	A	1144	83' OF 6" SDR-35 PVC PIPE @ 6.0%
A	1044	EX. S.S. MH	1140	94' OF 6" SDR-35 PVC PIPE @ 4.2%

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COMMONWEALTH OF VIRGINIA
CHRISTOPHER P. BURNS
Lic. No. 047338
6/13/12
PROFESSIONAL ENGINEER

KROGER FUEL CENTER R-200
GRADING PLAN
CITY OF ROANOKE, VIRGINIA

DRAWN BY BTC
DESIGNED BY BTC
CHECKED BY CPB
DATE 4-25-12
SCALE 1"=20'

REVISIONS:
5-23-12
6-13-12

APPROVED:
JUL 12 2012

SHEET NO.
C04

JOB NO. R1100071.00