GENERAL SITE NOTES:

1. G.C. TO CONFIRM THE LOCATION OF ALL EXISTING UTILITIES PRIOR TO ANY CONSTRUCTION OF PROPOSED IMPROVEMENTS.

2. NO CONSTRUCTION/FIELD CHANGES WITHOUT THE APPROVAL OF THE CONSULTING ENGINEERING AND CITY OF ROANOKE PLANNING, BUILDING, AND DEVELOPMENT DEPARTMENT. G.C SHALL OBTAIN A RIGHT OF WAY PERMIT FROM THE CITY OF ROANOKE PRIOR TO ANY WORK WITHIN THE CITY OF ROANOKE R.O.W.

3. GENERAL CONTRACTOR TO ENSURE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS.

4. ANY PAVEMENT TO REMAIN THAT IS DISTURBED OR DESTROYED DURING THE CONSTRUCTION PROCESS SHALL BE REPAIRED/REPLACED AS NECESSARY TO PRE-CONSTRUCTION CONDITIONS AT NO COST TO THE OWNER.

5. ALL BUILDING DIMENSIONS SHALL BE COORDINATED WITH THE ARCHITECTURAL PLANS.

6. APPROXIMATE FIRE HYDRANT FLOWS OF EX. HYDRANT (WVWA ID 13174):
STATIC: 80 PSI, RESIDUAL 64 PSI -- FLOW: 3,139GPM AT 20 PSI
(AS PROVIDED BY THE W.V.W.A.)

7. G.C. SHALL PROVIDE A KNOX BOX AT THE MAIN ENTRY DOOR PER CITY OF ROANOKE STANDARDS IN REGARDS TO MOUNTING HEIGHT AND TYPE OF KNOX BOX.
CONTACT NICOLE ONEAL AT 540-853-2795 FOR ORDERING INFORMATION.

8. G.C. SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF ROANOKE PRIOR TO ANY CONSTRUCTION WITHIN THE RIGHT-OF-WAY.

9. G.C. SHALL COORDINATE WITH LOCAL UTILITY COMPANIES REGARDING THE UTILITY CONNECTION LOCATION AND REQUIREMENTS OF THE PROPOSED SITE.

10. G.C. TO PROVIDE ALL REQUIRED CONDUIT FOR EXTERIOR LIGHTING, ELECTRICAL, TELEPHONE, AND COMMUNICATIONS.

11. G.C. SHALL COORDINATE CONCRETE FINISHING AROUND THE PROPOSED DOOR LOCATIONS WITH THE ARCHITECTURAL PLANS.

12. DOMESTIC WATERLINE SHALL UTILIZE A PVC WATER PIPE MEETING AWWA M23 AND SOLVENT CEMENT JOINTS.

13. THE SITE CONTRACTOR MUST COORDINATE THE TIMING AND INSTALLATION OF ALL UTILITIES AND MAKE ALL NECESSARY SCHEDULE ARANGEMENTS FOR TEMPORARY OR PERMANENT UTILITIES PER THE PROJECT SCHEDULE.

14. ALL ROOFTOP OR GROUND MOUNTED MECHANICAL EQUIPMENT SHALL BE SCREENED FROM VIEW PER CITY OF ROANOKE ZONING ORDINANCE.

15. G.C. SHALL OBTAIN A SEPARATE SIGN PERMIT FOR ALL ON-SITE AND BUILDING SIGNAGE.

UTILITY NOTES:

1. G.C. SHALL COORDINATE THE EXACT SANITARY SEWER, WATER, AND STORM SEWER BUILDING TIE IN LOCATIONS WITH THE ARCHITECTURAL PLANS.

2. ALL UTILITY SERVICE LATERALS OR LINES, INCLUDING ELECTRIC, SHALL BE INSTALLED UNDERGROUND. WATER & SEWER CONNNECTIONS SHALL CONFORM TO WVWA UTILITY STANDARDS AND INTERNATIONAL BUILDING CODE.

3. THE G.C. SHALL COORDINATE TEMPORARY POWER FOR THE PROPOSED BUILDINGS.

4. G.C. SHALL VERIFY THE EXACT DEPTH OF THE EXISTING S.S. LATERAL VERTICAL ELEVATION PRIOR TO ANY BUILDING, SANITARY, OR STORM CONSTRUCITON.

STORM STRUCTURE SCHEDULE:

1. VDOT ST'D DI-7 (TYPE III GRATE) TOP=1066.0 INV. OUT=1063.25 (w/FLEXSTORM 62XLHD)
2. 117 LF OF 15" N-12 HDPE PIPE AT 0.50%
3. VDOT ST'D DI-1 TOP=1067.4 INV. IN=1062.66 INV. OUT=1062.56 (w/FLEXSTORM 62LHD)
4. 101 LF OF 15" N-12 HDPE PIPE AT 0.52%
5. VDOT ST'D DI-1 TOP=1067.3 INV. IN=1062.03 INV. OUT=1061.93 (w/FLEXSTORM 62LHD)
6. 93 LF OF 18" N-12 HDPE PIPE AT 0.52%
7. VDOT ST'D DI-3C (8' THROAT) TOP=1066.5 INV. IN=1061.45 INV. IN=1061.35 (w/FLEXSTORM 62LHD)
8. 34 LF OF 18" N-12 HDPE PIPE AT 0.59% TO EX. MANHOLE B
9. VDOT ST'D DI-1 TOP=1066.0 INV. OUT=1062.75 (w/FLEXSTORM 62LHD)
9a. 87 LF OF 15" N-12 HDPE PIPE AT 0.50%
9b. VDOT ST'D MH-2 TOP=1067.55 INV. IN=1062.32 (STR. 9a) INV. IN=1062.32 (STR. 17) INV. OUT=1062.22
10. 108 LF OF 15" N-12 HDPE PIPE AT 0.51%
11. VDOT ST'D DI-3B (6' THROAT) TOP=1065.85 INV. IN=1061.67 INV. OUT=1061.57 (w/FLEXSTORM 62LHD)
12. 47 LF OF 15" N-12 HDPE PIPE AT 0.53%
13. VDOT ST'D DI-3C (6' THROAT) TOP=1065.7 INV. IN=1061.32 INV. OUT=1060.02
14. 182 LF OF 15" N-12 HDPE PIPE AT 1.00%
15. VDOT ST'D MH-2 TOP=1067.8 INV. IN=1058.2 INV. OUT=1058.1
16. 4'x 8' FILTERRA SWQ INLET TOP=1065.9 INV. OUT=1062.4
17. 365 LF OF 10" N-12 HDPE AT 1% INV. IN= 1066 INV. OUT= 1062.32
8 STORM CLEANOUTS (TOP TO BE SET FLUSH W/F.G.) (C.O. LOCATED W/I AREAS OF PVMT. SHALL HAVE H20 TOPS)
1 STORM CLEANOUT (18" DIA.) W/24" DEEP SUMP & SNOUT S.W.Q. UNIT
[4" SDR-35 ROOFDRAINS SHALL TIE DIRECTLY INTO EACH STR. W/MIN SLOPE OF 2.08%]

exist. storm str. schedule:

ex. A
grate inlet
top=1067.24
inv.=1062.42

ex. B
storm mh
top=1068.39
inv. in=1061.15 (18")
inv. in=1057.25 (24")
inv. in=1048.47 (72")
inv. out=1048.43 (72")

ex. C
di-3c (6' throat)
top=1066.40
inv.=1059.19

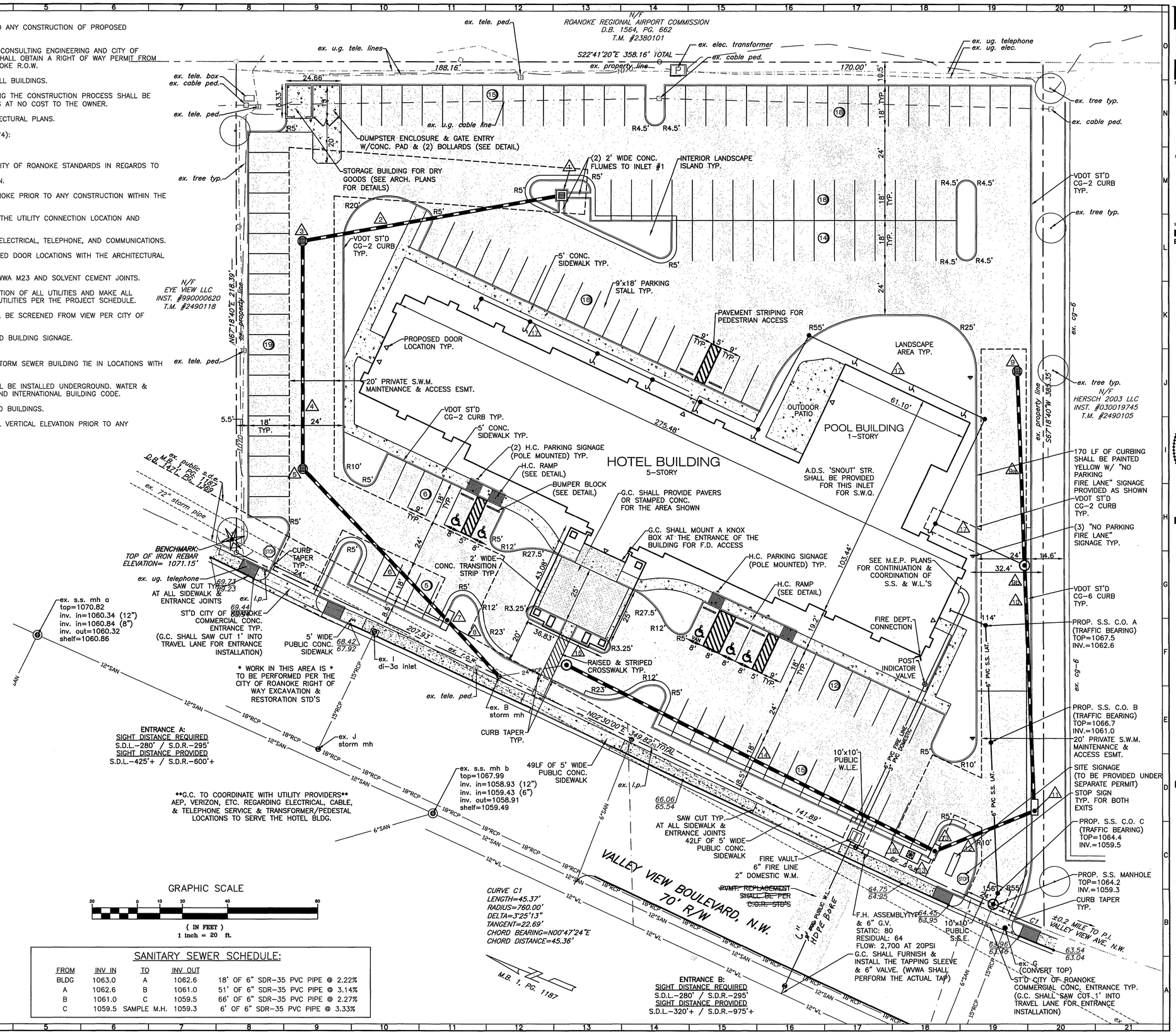
ex. D
di-3c (14' throat)
top=1065.36
inv.in=1060.91(18" east)
inv. in=1090.95(18" west)
inv. out=1060.9

ex. E
di-3c (14' throat)
top=1065.46
inv.=1061.81

ex. F
di-3a
top=1066.29
inv.=1062.49

ex. G
di-3a(convert top to flat grate drain)
top=1064.15
inv.=1060.85

ex. I
di-3a
top=1068.22
inv.=1063.17



SANITARY SEWER SCHEDULE:

FROM	INV IN	TO	INV OUT	
BLDG	1063.0	A	1062.6	18' OF 6" SDR-35 PVC PIPE @ 2.22%
A	1062.6	B	1061.0	51' OF 6" SDR-35 PVC PIPE @ 3.14%
B	1061.0	C	1059.5	66' OF 6" SDR-35 PVC PIPE @ 2.27%
C	1059.5	SAMPLE M.H.	1059.3	6' OF 6" SDR-35 PVC PIPE @ 3.33%

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FAX 540-772-8050
COMMONWEALTH OF VIRGINIA
CHRISTOPHER P. BURNS
Lic. No.047338
11/5/12
PROFESSIONAL ENGINEER

HAMPTON INN & SUITES

LAYOUT & UTILITY PLAN

CITY OF ROANOKE, VIRGINIA

DRAWN BY	BTC
DESIGNED BY	BTC
CHECKED BY	CPB
DATE	7-18-2012
SCALE	1"=20'

REVISIONS:
8-24-12
9-14-12
11-5-12

APPROVED
NOV 13 2012

SHEET NO.
C03

JOB NO. R1000103.00