UTILITY CONTACTS:

ELECTRIC:
APPALACHIAN POWER COMPANY
P.O BOX 2021
ROANOKE VA 24022
RIVER AVENUE SERVICE CENTER
802 RIVER AVENUE
ATTN. KEITH A. FREEMAN
(540) 427-3643

CABLE TELEVISION:
COX COMMUNICATIONS
P.O. BOX 13726
ROANOKE, VA 24036
(540) 776-3844, EXT. 120
(540) 776-8362 (FAX)

NATURAL GAS:
ROANOKE GAS COMPANY
P.O. BOX 13007
ROANOKE, VA 24030
ATTN. DONALD S. JONES
(540) 983-3800
(540) 777-3851
(540) 777-3864 (FAX)

WATER AND SEWER:
WESTERN VIRGINIA WATER AUTHORITY
2012 S. JEFFERSON STREET
ROANOKE, VA 24014
ATTN. ROGER BLANKENSHIP
(540) 853-5700
(540) 853-1600 (FAX)

TELEPHONE:
VERIZON
4843 OAKLAND BOULEVARD
ROANOKE, VA 24012
ATTN. WILLARD DIETZ
(540) 265-7510
(540) 265-2858 (FAX)

UTILITY GENERAL NOTES:

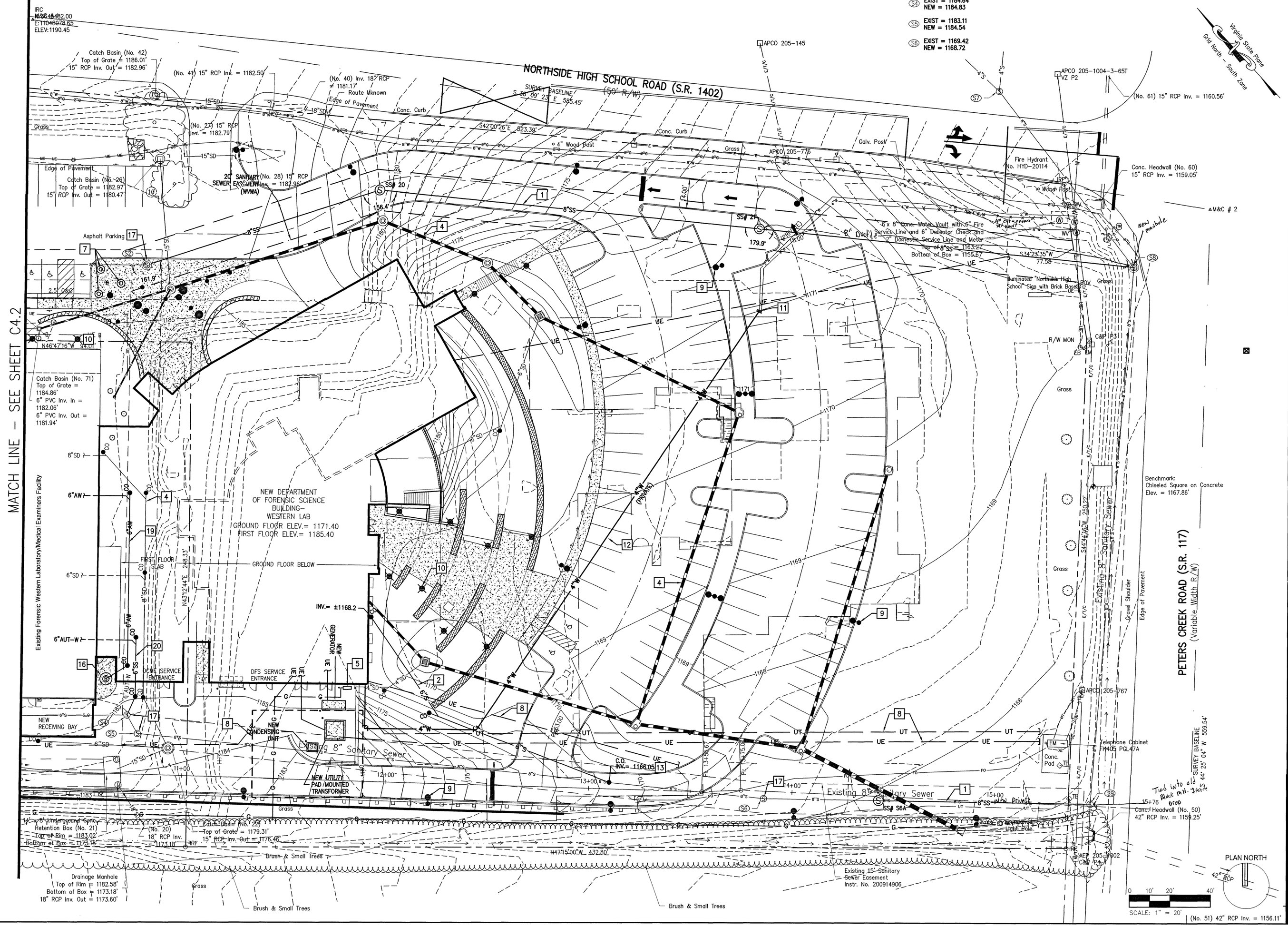
1. CONTRACTOR TO CONFIRM LOCATION & INVERT OF EXISTING UTILITY LINES AND NEW SERVICE LINE PRIOR TO INSTALLATION ON ANY NEW UTILITY LINES. REFER TO BUILDING PLANS FOR EXACT LOCATION AND INVERT OF SERVICE LINES/LATERALS EXITING THE BUILDING. CONTRACTOR SHALL NOTIFY OWNER AND ENGINEER IMMEDIATELY UPON DISCOVERY OF DISCREPANCIES OR CONFLICTS.
2. CONTRACTOR TO CONTACT THE WESTERN VIRGINIA WATER AUTHORITY (WVWA) PRIOR TO EXTENDING WATER & SEWER SERVICE LINES TO COORDINATE THE CONNECTION TO THE EXISTING WATER AND SEWER MAINS AND TO ARRANGE FOR ALL REQUIRED PRE-CONSTRUCTION CONFERENCES AND INSPECTIONS.
3. CLEAN-OUTS IN PAVEMENT OR SIDEWALK SHALL BE SET IN 6" DIAMETER CAST IRON VALVE BOX OR APPROVED CLEAN-OUT BOX WITH TOP SET FLUSH WITH FINISHED PAVED GRADE.
4. GAS SERVICE LINE AND GAS METER IS SHOWN FOR GENERAL INFORMATION ONLY. EXACT LOCATION OF GAS SERVICE LINE AND METER SHALL BE DETERMINED BY ROANOKE GAS COMPANY.
5. UNLESS OTHERWISE NOTED, SANITARY SEWER LATERALS SHALL BE INSTALLED AT 1/4"/1" SLOPE (MIN.) FROM POINT OF CONNECTION TO BUILDING. CONTRACTOR TO CONFIRM INVERT OF EXISTING MAIN OR LATERAL PRIOR TO INSTALLATION OF LATERAL. REFER TO INTERNATIONAL PLUMBING CODE (IPC) FOR OTHER REQUIREMENTS.
6. WHERE APPLICABLE ALL WATER AND SEWER WORK (BOTH PUBLIC AND PRIVATE) SHALL CONFORM TO THE WESTERN VIRGINIA WATER AUTHORITY STANDARDS, LATEST EDITION. SEWER LATERALS AND DOMESTIC WATER SERVICE LINES SHALL CONFORM TO INTERNATIONAL PLUMBING CODE, LATEST ADOPTED EDITION.
7. WHERE APPLICABLE AND WHERE SHOWN, THE AREA OF OPEN CUT SHOWN IS MINIMUM REQUIRED TO INSTALL UTILITY LINES. CONTRACTOR SHALL BE REQUIRED TO REPLACE, IN ACCORDANCE WITH APPLICABLE DETAILS, ANY PAVEMENT DAMAGED OR REMOVED BY UTILITY INSTALLATION.
8. CONTRACTOR SHALL ENSURE THAT EXISTING WATER AND SEWER SERVICES LINES WHICH RUN THROUGH OR ADJOIN THE SITE REMAIN IN SERVICE AT ALL TIMES UNLESS A SHUTDOWN IS APPROVED BY THE WESTERN VIRGINIA WATER AUTHORITY.

KEYNOTES:

1. NEW SANITARY SEWER MAIN. REFER TO SHEET C4.3 FOR PROFILE.
2. SANITARY SEWER LATERAL (SIZE INDICATED) WITH CLEAN-OUTS PLACED AS SHOWN. PIPE MATERIAL SHALL CONFORM TO INTERNATIONAL PLUMBING CODE (IPC) REQUIREMENTS FOR UNDERGROUND BUILDING DRAINAGE AND VENT PIPE.
3. NOT USED.
4. STORM DRAIN LINES AND STRUCTURES SHOWN HEREON FOR UTILITY COORDINATION INFORMATION ONLY. REFER TO SHEET C5.1–C5.3 FOR DETAILED STORM DRAINAGE AND GRADING PLAN AND ADDITIONAL INFORMATION.
5. GAS METER AND SERVICE LINE BY ROANOKE GAS COMPANY. COORDINATE LOCATION OF METER AND INCOMING LINE WITH GAS COMPANY AND BUILDING PLANS (SHEET P2.2).
6. ADJUST TOP OF C.O. TO BE FLUSH WITH NEW GRADE. SET C.O. IN VALVE VAULT.
7. SITE LIGHT FIXTURE. REFER TO SHEET E0.2 FOR ADDITIONAL INFORMATION.
8. REFER TO ELECTRICAL PLANS FOR ADDITIONAL INFORMATION AND LOCATION OF RELATED CONDUITS AND UTILITY LINES.
9. LIGHT POLE WITH FIXTURE(S) (TYPICAL). SEE E0.2 FOR ADDITIONAL INFORMATION.
10. LED BOLLARD (TYPICAL). SEE SHEET E0.2 FOR ADDITIONAL INFORMATION.
11. CONNECT TO EXISTING 2" WATERLINE WITH REQUIRED FITTINGS AND REDUCERS, AND EXTEND WITH NEW 4" LINE FOR DOMESTIC SERVICE AS SHOWN.
12. WATERLINE, SIZE AS INDICATED.
13. CONNECT 6" SANITARY LINE TO EXISTING 8" SANITARY LINE USING WYE CONNECTION. PROVIDE BYPASS PUMPING OR PERFORM WORK DURING OFF-PEAK HOURS.
14. POINT OF CONNECTION TO EXISTING 8" FIRE SERVICE WATERLINE FOR EXTENSION OF FIRE MAIN. PROVIDE AND INSTALL 8"X6" TAPPING SLEEVE AND VALVE. EXTEND NEW 6" LINE TO NEW FIRE HYDRANT.
15. NEW FIRE HYDRANT ASSEMBLY (PRIVATE). SITE UTILITY CONTRACTOR IS RESPONSIBLE FOR COORDINATING BURY DEPTH TO ENSURE NO CONFLICTS OCCUR WITH OTHER UTILITIES. SEE WVWA DETAIL W-17 ON SHEET C4.4 FOR ADDITIONAL INFORMATION. AVAILABLE FIRE FLOW IS SHOWN ON PLAN. IN ACCORDANCE WITH ROANOKE COUNTY CODE SECTION 9-2(15)3 & 4, NO PLANTING, ERECTION OR OTHER OBSTRUCTION SHALL BE ALLOWED WITHIN FOUR FEET OF THE FIRE HYDRANT. ALL HYDRANTS SHALL BE PAINTED IN ACCORDANCE WITH STANDARDS ESTABLISHED BY THE FIRE MARSHAL.
16. NEW CHEMICAL SPILL TANK CONSISTING OF 6-FOOT DIAMETER PRECAST CONCRETE MANHOLE WITH WATERTIGHT JOINTS AND PIPE BOOTS AND BITUMINOUS WATERPROOF SEALANT ADDED TO INTERIOR OF MANHOLE. NEW TOP ELEV. = 1185.19. NEW INV. ELEV. = 1180.28. PROVIDE NECESSARY RISERS AND GRADE RINGS.
17. ADJUST SANITARY MANHOLE TOP PER SCHEDULE BELOW.
18. OPEN-CUT PAVEMENT FOR WATERLINE INSTALLATION. REMOVE/REPAIR CURB AND GUTTER AS NEEDED FOR INSTALLATION. REPLACE PAVEMENT. SEE DETAIL G-12 ON SHEET C4.4 FOR PAVEMENT REPAIR/RESTORATION.
19. NEW ACID WASTE LINE (AW) TO BE ROUTED AS SHOWN AND CONNECTED TO RELOCATED CHEMICAL SPILL TANK. SLOPE LINE AT ¼":1' MINIMUM. REFER TO SHEET P1.0 FOR ADDITIONAL INFORMATION
20. NEW AUTOPSY WASTE LINE (AUT-W) TO BE ROUTED AS SHOWN AND CONNECTED TO EXISTING SSMH S4. CORE-DRILL OPENING FOR NEW LINE. DEMOLISH AND RE-POUR INVERT TROUGH TO MATCH NEW LINE. PROVIDE BYPASS PUMPING OR PERFORM WORK DURING OFF-PEAK HOURS. REFER TO SHEET P1.0 FOR ADDITIONAL INFORMATION.

SCHEDULE OF ADJUSTED MANHOLE TOP ELEVATIONS 17

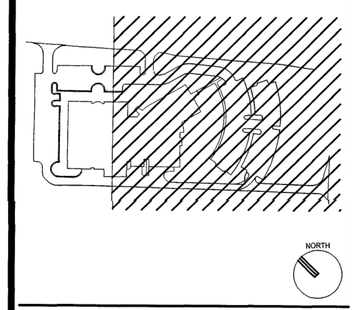
S2	EXIST = 1184.40 NEW = 1184.90
S4	EXIST = 1184.64 NEW = 1184.83
S5	EXIST = 1183.11 NEW = 1184.54
S8	EXIST = 1169.42 NEW = 1168.72



MENU

CADD VERSION	
PLOT SCALE	
PLOT DATE	
SAVE DATE	
COMM NO.	
DRAWING NO.	

KEYPLAN



GENERAL NOTES

PLAN NOTES

PLAN NOTES

COMMONWEALTH OF VIRGINIA
WM. THOMAS AUSTIN III
Lic. No. 030907
2/28/14
PROFESSIONAL ENGINEER

PROJECT TITLE

EXPAND WESTERN FORENSIC LABORATORY

PROJECT CODE: 778-17978-000
APPROPRIATION NO.: C-39.05

SFCS Architecture Engineering Planning Interiors
SFCS Inc. ▪ 305 South Jefferson Street
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PROJECT DESIGNER	:
PROJECT ARCHITECT	:
PROJECT ENGINEER	: RWA
DRAWN BY	: RWA
CHECKED BY	: WTA
APPROVED BY	: WTA

NO.	REVISION DESCRIPTION	DATE

DRAWING TITLE

SITE UTILITY PLAN - AREA 'A'

COMM. NO.	DATE
12505.00	FEBRUARY 28, 2014
DRAWING C4.1	SHEET ___ OF ___

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