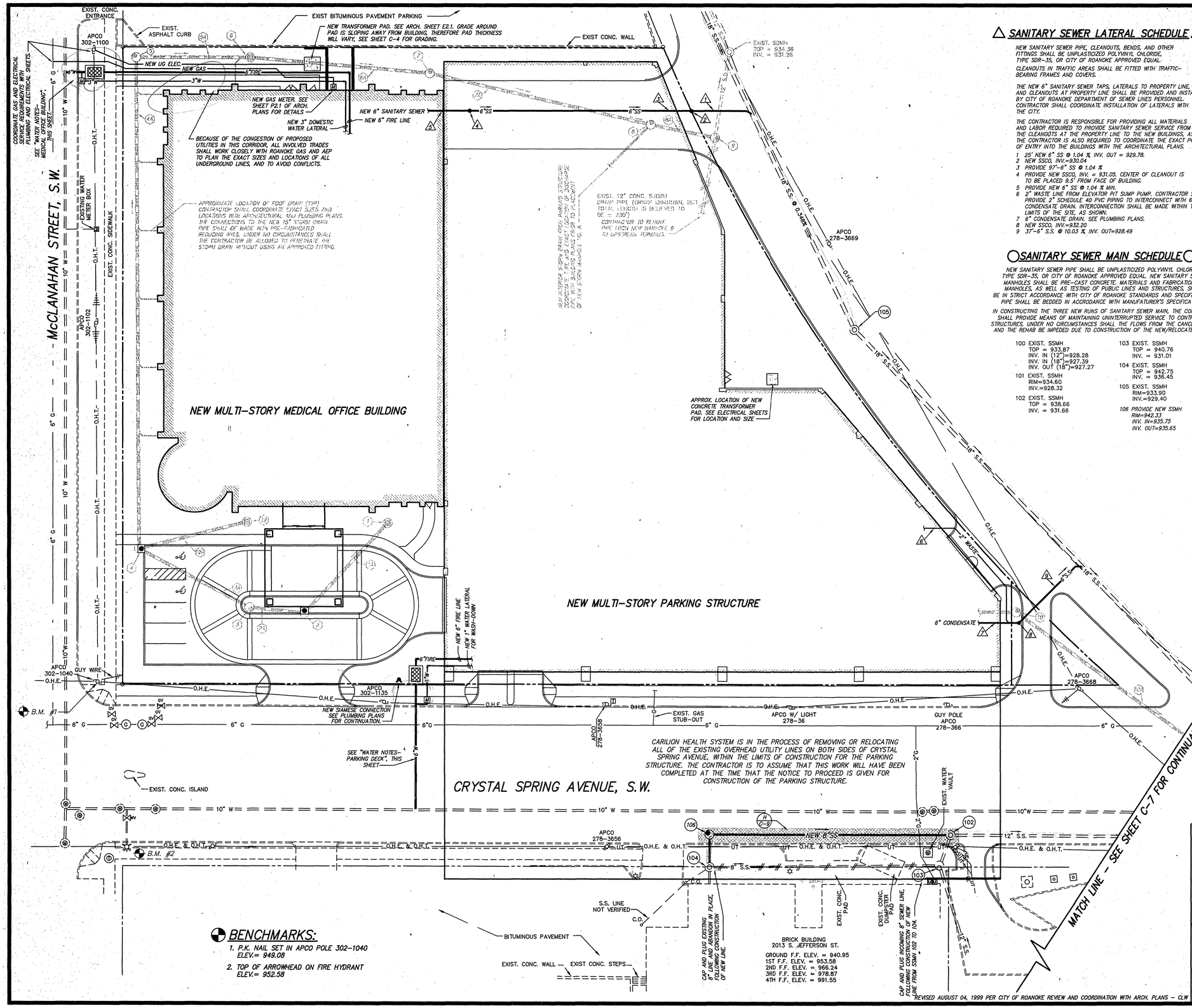

△ SANITARY SEWER LATERAL SCHEDULE △

NEW SANITARY SEWER PIPE, CLEANOUTS, BENDS, AND OTHER FITTINGS SHALL BE UNPLASTICIZED POLYVINYL CHLORIDE, TYPE SDR-35, OR CITY OF ROANOKE APPROVED EQUAL.

CLEANOUTS IN TRAFFIC AREAS SHALL BE FITTED WITH TRAFFIC-BEARING FRAMES AND COVERS.

THE NEW 6" SANITARY SEWER TAPS, LATERALS TO PROPERTY LINE, AND CLEANOUTS AT PROPERTY LINE SHALL BE PROVIDED AND INSTALLED BY CITY OF ROANOKE DEPARTMENT OF SEWER LINES PERSONNEL. CONTRACTOR SHALL COORDINATE INSTALLATION OF LATERALS WITH THE CITY.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL MATERIALS AND LABOR REQUIRED TO PROVIDE SANITARY SEWER SERVICE FROM THE CLEANOUTS AT THE PROPERTY LINE TO THE NEW BUILDINGS, AS SHOWN. THE CONTRACTOR IS ALSO REQUIRED TO COORDINATE THE EXACT POINTS OF ENTRY INTO THE BUILDINGS WITH THE ARCHITECTURAL PLANS.

1 25' NEW 6" SS @ 1.04 % INV. OUT = 929.78.
2 NEW SSCO, INV.=930.04
3 PROVIDE 97'-6" SS @ 1.04 %
4 PROVIDE NEW SSCO, INV. = 931.05. CENTER OF CLEANOUT IS TO BE PLACED 9.5' FROM FACE OF BUILDING.
5 PROVIDE NEW 6" SS @ 1.04 % MIN.
6 2" WASTE LINE FROM ELEVATOR PIT SUMP PUMP. CONTRACTOR SHALL PROVIDE 2" SCHEDULE 40 PVC PIPING TO INTERCONNECT WITH 6" CONDENSATE DRAIN. INTERCONNECTION SHALL BE MADE WITHIN THE LIMITS OF THE SITE, AS SHOWN.
7 6" CONDENSATE DRAIN. SEE PLUMBING PLANS.
8 NEW SSCO, INV.=932.20
9 37'-6" S.S. @ 10.03 %, INV. OUT=928.49

○ SANITARY SEWER MAIN SCHEDULE ○

NEW SANITARY SEWER PIPE SHALL BE UNPLASTICIZED POLYVINYL CHLORIDE, TYPE SDR-35, OR CITY OF ROANOKE APPROVED EQUAL. NEW SANITARY SEWER MANHOLES SHALL BE PRE-CAST CONCRETE. MATERIALS AND FABRICATION OF MANHOLES, AS WELL AS TESTING OF PUBLIC LINES AND STRUCTURES, SHALL BE IN STRICT ACCORDANCE WITH CITY OF ROANOKE STANDARDS AND SPECIFICATIONS. PIPE SHALL BE BEDDED IN ACCRODANCE WITH MANUFATURER'S SPECIFICATIONS.

IN CONSTRUCTING THE THREE NEW RUNS OF SANITARY SEWER MAIN, THE CONTRACTOR SHALL PROVIDE MEANS OF MAINTAINING UNINTERRUPTED SERVICE TO CONTRIBUTING STRUCTURES. UNDER NO CIRCUMSTANCES SHALL THE FLOWS FROM THE CANCER CENTER AND THE REHAB BE IMPEDED DUE TO CONSTRUCTION OF THE NEW/RELOCATED MAINS.

100 EXIST. SSMH
TOP = 933.87
INV. IN (12")=928.28
INV. IN (18")=927.39
INV. OUT (18")=927.27

101 EXIST. SSMH
RIM=934.60
INV.=928.32

102 EXIST. SSMH
TOP = 938.66
INV. = 931.66

103 EXIST. SSMH
TOP = 940.76
INV. = 931.01

104 EXIST. SSMH
TOP = 942.75
INV. = 936.45

105 EXIST. SSMH
RIM=933.90
INV.=929.40

106 PROVIDE NEW SSMH
RIM=942.33
INV. IN=935.75
INV. OUT=935.65

WATER NOTES - PARKING DECK

THE CONTRACTOR SHALL COORDINATE EXACT POINTS OF ENTRY INTO THE NEW STRUCTURE WITH THE PLUMBING PORTIONS OF THE ARCHITECTURAL PLANS.

THE CITY OF ROANOKE WATER DEPARTMENT WILL PERFORM THE FOLLOWING, AT THE OWNER'S EXPENSE:
- WET-TAP THE EXISTING 10" WATERLINE IN CRYSTAL SPRING AVENUE
- PROVIDE AND CONSTRUCT THE NEW FIRE VAULT AND ALL VALVES, BYPASSES, ETC. INSIDE THE VAULT (THE CITY WILL PROVIDE A 6" NIPPLE THROUGH THE ON-SITE SIDE OF THE VAULT)
- PROVIDE AND INSTALL THE NEW 6" WATERLINE FROM THE WET-TAP TO THE NEW VAULT.
- PROVIDE AND INSTALL CORPORATION STOP, LATERAL TO THE METER BOX, METER BOX, AND METER BODY FOR THE NEW WASH-DOWN SERVICE LATERAL FOR THE PARKING STRUCTURE.

THE CONTRACTOR IS RESPONSIBLE FOR:
- ALL MATERIALS AND LABOR REQUIRED TO PROVIDE AND INSTALL THE NEW 6" FIRE SERVICE LINE TO THE PARKING STRUCTURE (CONNECT ONTO NIPPLE PROVIDED BY THE CITY OF ROANOKE)
- ALL MATERIALS AND LABOR REQUIRED TO PROVIDE AND INSTALL THE NEW WASH-DOWN SERVICE LATERAL TO THE NEW STRUCTURE.

WATER NOTES - MEDICAL OFFICE BUILDING

THE CONTRACTOR SHALL COORDINATE EXACT POINTS OF ENTRY INTO THE NEW STRUCTURE WITH THE PLUMBING PORTIONS OF THE ARCHITECTURAL PLANS.

THE CITY OF ROANOKE WATER DEPARTMENT WILL PERFORM THE FOLLOWING, AT THE OWNER'S EXPENSE:
- WET-TAP THE EXISTING 10" WATERLINE IN McCLANAHAN STREET
- PROVIDE AND CONSTRUCT THE NEW FIRE VAULT AND ALL VALVES, BYPASSES, ETC. INSIDE THE VAULT (THE CITY WILL PROVIDE A 6" NIPPLE THROUGH THE ON-SITE SIDE OF THE VAULT)
- PROVIDE AND INSTALL THE NEW 6" WATERLINE FROM THE WET-TAP TO THE NEW VAULT.
- PROVIDE AND INSTALL TEE, LATERAL TO THE METER BOX, METER BOX, AND METER BODY FOR THE NEW DOMESTIC SERVICE LATERAL FOR THE MEDICAL OFFICE BUILDING.

THE CONTRACTOR IS RESPONSIBLE FOR:
- ALL MATERIALS AND LABOR REQUIRED TO PROVIDE AND INSTALL THE NEW 6" FIRE SERVICE LINE TO THE MEDICAL OFFICE BUILDING (CONNECT ONTO NIPPLE PROVIDED BY THE CITY OF ROANOKE)
- ALL MATERIALS AND LABOR REQUIRED TO PROVIDE AND INSTALL THE NEW DOMESTIC SERVICE LATERAL TO THE NEW STRUCTURE.

SEE SHEET C-4 FOR NEW STORM DRAIN
SEE SHEET C-8 FOR NEW SANITARY SEWER PROFILE

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

BENCHMARKS:

1. P.K. NAIL SET IN APCO POLE 302-1040 ELEV.= 949.08
2. TOP OF ARROWHEAD ON FIRE HYDRANT ELEV.= 952.58

COMMONWEALTH OF VIRGINIA
CORBIN L. WHITE
No. 23843
PROFESSIONAL ENGINEER

SITE UTILITIES PLAN
FOR
NEW MEDICAL OFFICE BUILDING AND NEW PARKING STRUCTURE
FOR
CARILION HEALTH SYSTEM

SITUATE THE NORTHWEST CORNER OF THE INTERSECTION OF McCLANAHAN STREET, S.W. AND CRYSTAL SPRING AVENUE, S.W. CITY OF ROANOKE, VIRGINIA

Designed:	C.L. White
Drawn:	C.L. White
Checked:	
Date:	April 09, 1999
Scale:	1" = 20'
Tax Parcel:	1040902.04,05,06 1041003.04
W.O. No.:	98-0087
Field Book	JW-04

CWA
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REVISED AUGUST 04, 1999 PER CITY OF ROANOKE REVIEW AND COORDINATION WITH ARCH. PLANS - CLW