

WATER NOTES

THE CONTRACTOR SHALL COORDINATE WITH THE WESTERN VIRGINIA WATER AUTHORITY PRIOR TO ANY WORK BEING PERFORMED. A MINIMUM 72 HOURS NOTICE IS REQUIRED, UNLESS OTHERWISE NOTED. ALL WATERLINE WORK SHALL BE PERFORMED BY THE CONTRACTOR WITH INSPECTIONS AS FOLLOWS:

- WORK FROM THE MAIN(S) UP TO AND INCLUDING THE VAULT(S) IS TO BE INSPECTED BY THE WESTERN VIRGINIA WATER AUTHORITY
- WORK ON THE PRIVATE SIDE OF THE VAULT(S) IS TO BE INSPECTED BY THE CITY OF ROANOKE BUILDING INSPECTORS.

4TH STREET SERVICE REMOVAL AND REPLACEMENT:

FOR REMOVAL OF THE EXISTING 2" WATER SERVICE, METER AND VAULT: THE CONTRACTOR SHALL PERFORM THE DISCONNECT FOR THE 2" SERVICE LATERAL BY REMOVING THE SECTION OF WATERLINE CONTAINING THE 2" SERVICE CONNECTION AND REPLACING WITH A NEW 8" x 8" TEE ON THE 8" PUBLIC MAIN, AND PROVIDE AND INSTALL A NEW (8") GATE VALVE ON THE NEW (8") LATERAL.

THE CONTRACTOR SHALL REMOVE THE EXISTING 2" SERVICE LATERAL AND VAULT, AND PROVIDE AND INSTALL A NEW (8") SERVICE LATERAL AND COMBINATION FIRE/DOMESTIC VAULT (SEE BELOW). PROVIDE PAVEMENT REPLACEMENT PER DETAIL "J", SHEET C-07.

THE CONTRACTOR SHALL COORDINATE WITH "THE CLEAR FLOW COMPANY" OF WAYNESBORO, VIRGINIA [TELEPHONE (540) 942-3300] FOR FABRICATION AND DELIVERY OF THE NEW 6" FIRE & 1-1/2" DOMESTIC WATER VAULT, SHEET C-09. GENERALLY DETAILS THE REQUIREMENTS FOR THE NEW VAULT. THE VAULT WILL BE FABRICATED AND DELIVERED WITH ALL INTERIOR COMPONENTS INCLUDED AND CONNECTED (INCLUDING NEW 1-1/2" DOMESTIC METER) BY CLEAR FLOW, READY FOR INSTALLATION BY THE CONTRACTOR.

THE CONTRACTOR SHALL SUPPLY AND INSTALL ALL MATERIALS NECESSARY TO PROVIDE A NEW POST-INDICATOR VALVE (PIV) ON THE BUILDING SIDE OF THE NEW FIRE HYDRANT, AS SHOWN. POST INDICATOR VALVE SHALL BE UL789, FM APPROVED, ELECTRICAL TYPE, CAST IRON BODY WITH OPERATIONS WRENCH, EXTENSION ROD, AND ADJUSTABLE CAST IRON BARREL OF LENGTH REQUIRED FOR DEPTH OF BURY OF VALVE. BUILDING ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR CONDUIT AND WIRE TO INTERCONNECT WITH INTERIOR FIRE PANEL AS REQUIRED. SITE PLUMBING CONTRACTOR IS RESPONSIBLE FOR PROVIDING 3'x3'x6" CONCRETE HOUSEKEEPING PAD FOR NEW PIV. TOP OF PAD SHALL BE FLUSH W/ SURROUNDING GRADE.

UPON RECEIPT OF SHOP DRAWINGS FROM CLEAR FLOW, THE CONTRACTOR SHALL DISTRIBUTE TO THE WATER AUTHORITY, ENGINEER, ARCHITECT, AND GENERAL CONTRACTOR FOR REVIEW AND APPROVAL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF NEW VAULT, AND ALL MATERIALS AND LABOR REQUIRED TO CONSTRUCT THE NEW FIRE AND DOMESTIC LINES AND APPURTENANCES FROM THE VAULT TO THE BUILDING, INCLUDING ALL POINTS OF TERMINATION (TEMPORARY AND/OR PERMANENT).

CONTRACTOR SHALL BE RESPONSIBLE FOR EXCAVATION AND SHORING PER OSHA REGULATIONS, AS APPLICABLE.

FIRE MARSHAL COORDINATION NOTES

IN ACCORDANCE WITH CITY OF ROANOKE FIRE DEPARTMENT REQUIREMENTS:

THE SIAMESE FIRE DEPARTMENT CONNECTION (FDC) SHALL BE SUPPLIED AND INSTALLED WITH "KNOX LOCKING FDC CAPS". COORDINATE KEYING OF LOCKS AND TIME OF INSTALLATION (AS APPLICABLE) WITH ASSISTANT FIRE MARSHAL (MR. RONNIE CAMPBELL (540) 853-6544).

A SERIES 3200 OR LARGER "KNOX SYSTEM LOCK BOX" SHALL BE PROVIDED AND INSTALLED FOR THE NEW BUILDING. THIS ITEM SHALL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. PRIOR TO INSTALLATION OF THE LOCK BOX, THE CONTRACTOR SHALL INITIATE AN ON-SITE MEETING WITH THE ARCHITECT AND THE FIRE MARSHAL'S OFFICE TO DETERMINE AN ACCEPTABLE LOCATION FOR LOCK BOX INSTALLATION.

AT THE TIME OF PLAN REVIEW AND APPROVAL, NO DEDICATED FIRE LANE MARKINGS ARE REQUIRED. HOWEVER, IN THE EVENT THAT PARKING AT UNAUTHORIZED LOCATIONS NEAR THE MAIN ENTRANCE TO THE NEW BUILDING BECOMES A PROBLEM, THE FIRE MARSHAL'S OFFICE RESERVES THE RIGHT TO REQUIRE NEW CURB/PAVEMENT MARKINGS AND/OR ABOVE-GRADE FIRE LANE SIGNAGE.

FIRE DEPARTMENT CONNECTION (FDC) SIGNAGE

THE CONTRACTOR SHALL PROVIDE AND INSTALL NEW SIGNAGE TO DIRECT FIRE DEPARTMENT PERSONNEL TO THE NEW SIAMESE FDC, AS SHOWN.

PROVIDE METAL SIGN WITH 6" REFLECTIVE RED LETTERING ON WHITE BACKGROUND. SIGN MUST BE MOUNTED ABOVE NEW SIAMESE FIRE DEPARTMENT CONNECTION (FDC) ON BUILDING AT A HEIGHT OF 8' ABOVE ADJACENT GROUND.

NATURAL GAS NOTES

THE CONTRACTOR SHALL COORDINATE WITH ROANOKE GAS COMPANY AND MECHANICAL / PLUMBING SHEETS TO DETERMINE THE SIZE OF THE NEW NATURAL GAS SERVICE LINES TO BE INSTALLED FROM 4TH STREET TO THE NEW BUILDING, BASED ON LOAD REQUIREMENTS AND AVAILABLE PRESSURES.

ROANOKE GAS CO. WILL PROVIDE AND INSTALL THE NEW LINE FROM THE STREET UP TO AND INCLUDING THE NEW METER.

ALL WORK ON THE PRIVATE SIDE OF THE NEW METER SHALL BE PERFORMED BY APPLICABLE BUILDING CONTRACTOR(S).

INTER CONNECTIVITY CONDUIT REQUIREMENTS

THE ELECTRICAL AND TELECOMMUNICATIONS CONTRACTORS SHALL COORDINATE WITH THE GENERAL CONTRACTOR FOR CONDUIT SIZES AND RUNS BETWEEN THE EXISTING BRANCH BUILDING AND THE NEW OFFICE BUILDING & ATM KIOSK, TO INSURE THAT ADEQUATE INTER CONNECTIVITY IS PROVIDED FOR CURRENT AND ANTICIPATED FUTURE NEEDS.

SANITARY SEWER SCHEDULE

ALL SANITARY SEWER ITEMS UPSTREAM OF NEW SAMPLING STRUCTURE NUMBER 2 ARE PART OF A PRIVATE SEWER SYSTEM OWNED AND MAINTAINED BY THE PROPERTY OWNER.

ALL NEW SANITARY SEWER PIPE, FITTINGS, CLEANOUT STACKS, ETC. SHALL BE SDR-35 PVC, AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE SECTIONS OF THE BUILDING CODE.

ALL NEW SANITARY SEWER CLEANOUTS SHALL BE INSTALLED WITH TRAFFIC-BEARING FRAMES AND COVERS.

- EXISTING 8" DUCTILE IRON SANITARY SEWER LATERAL TO REMAIN
- PIPELINE CAMERA INSPECTIONS INDICATE THAT THE EXISTING 8" LATERAL TERMINATES WITH A 90° VERTICAL BEND, LOCATED IMMEDIATELY BEHIND THE EXISTING STONE WALL. THE CONTRACTOR SHALL EXCAVATE TO THE ELEVATION OF THE VERTICAL BEND, AND SHALL REPLACE THE VERTICAL BEND WITH A NEW SAMPLING STRUCTURE. SET TOP OF NEW SAMPLING STRUCTURE AT SURROUNDING GRADE (±=947.2). IN THE EVENT THE INVERT OF THE NEW SAMPLING STRUCTURE IS ABOVE ELEVATION 941.7, THE CONTRACTOR SHALL CEASE SEWER INSTALLATION AND IMMEDIATELY NOTIFY THE ENGINEER. A REVISED SANITARY SEWER LATERAL DESIGN WILL BE REQUIRED. SEE SHEET C-09 FOR SAMPLING STRUCTURE GENERAL DETAIL.
- PROVIDE 45' NEW 6" SS AT 1.04% MIN.
- PROVIDE NEW SSCO, INV.=942.14
- PROVIDE 52' NEW 6" SS AT 1.04% MIN.
- PROVIDE NEW SSCO, INV.=942.68
- PROVIDE 50' NEW 6" SS AT 1.04%
- PROVIDE NEW SSCO, INV.=943.20
- PROVIDE 100' NEW 6" SS AT 1.04% MIN.
- PROVIDE NEW SSCO, INV.=944.24
- PROVIDE NEW 4"x6" ECCENTRIC ENLARGER TO TRANSITION FROM 4" BUILDING SEWER TO 6" SITE SEWER. INV.=944.28
- PROVIDE NEW 4" SANITARY SEWER LATERAL AT 2.08% MIN. PROVIDE NECESSARY COUPLERS/ADAPTERS TO TRANSITION FROM BUILDING SEWER TO SITE SEWER. COORDINATE EXACT POINT OF CONNECTION WITH PLUMBING SHEETS OF BUILDING PLANS.

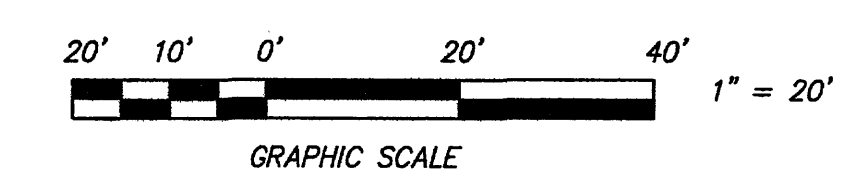
SITE LIGHTING NOTES

NEW SITE LIGHT POLES ARE SHOWN HEREON SOLELY FOR COORDINATION PURPOSES. SEE SHEET E0.1 FOR SITE LIGHTING PLAN, INCLUDING WALL-MOUNTED FIXTURES. ALL LIGHT POLES AND CONDUIT RUNS SHALL BE PLACED WITH RESPECT TO OTHER SITE UTILITY PIPELINES AND APPURTENANCES.

NEW SERVICE LATERAL REQUIREMENTS

ALL NEW UTILITY LATERALS SERVING THIS SITE, INCLUDING ELECTRIC / TELECOMMUNICATION / ETC., SHALL BE INSTALLED UNDERGROUND.

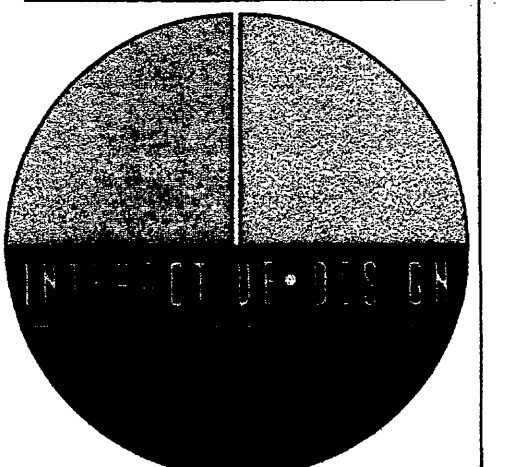
SEE SHEET C-05 FOR STORM DRAIN AND ROOF COLLECTOR INFORMATION



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| Designed: C.L. White | CWA CALDWELL WHITE ASSOCIATES ENGINEERS / SURVEYORS / PLANNERS 4800 MELROSE AVENUE P.O. BOX 6880 ROANOKE, VIRGINIA 24017-0880 (540) 598-3400 FAX: (540) 586-8708 |
| Drawn: C.L. White | |
| Checked: JCI/SOOR | |
| Tax Parcel: W-50 | |
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| W.D. No.: 08-0104 | |

TEMPORARY BENCHMARK:
ARROWHEAD ON TOP OF FIRE HYDRANT
LOCATED ON THE WESTERN SIDE OF 4TH STREET, NEAR THE MAIN ENTRANCE TO "MEMBER ONE FEDERAL CREDIT UNION".
ELEVATION = 950.35 (DATUM OF NAD 88)

BENCHMARK:
ARROWHEAD ON TOP OF FIRE HYDRANT
LOCATED AT THE NORTHEASTERN CORNER OF THE INTERSECTION OF 4TH STREET AND SHENANDOAH AVENUE.
ELEVATION = 939.72 (DATUM OF NAD 88)



INTERACTIVE DESIGN GROUP
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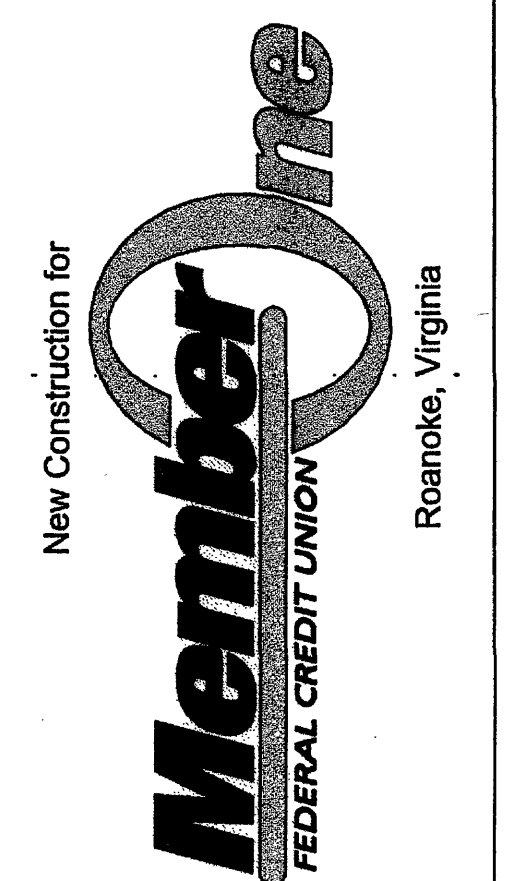


Revisions Date
Per 1st City Review 05/01/09



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SITE UTILITY PLAN
NEW CORPORATE OFFICES
MEMBER ONE FEDERAL CREDIT UNION
SITUATE 202 4TH STREET, NE
CITY OF ROANOKE, VIRGINIA



Date: APRIL 08, 2009
Scale: AS NOTED

Drawn: AS NOTED
Job: 0836
Sheet:

C-06
6 of 12 Sheets