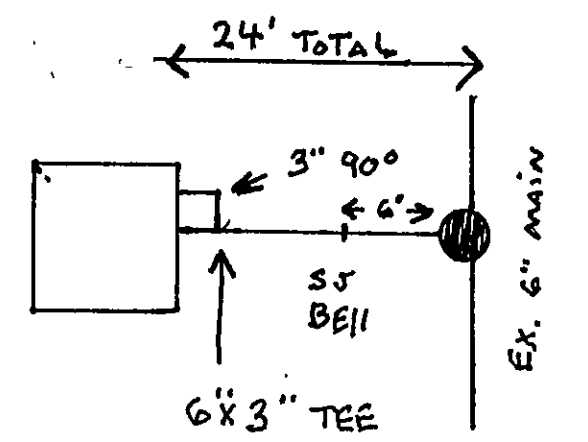


INSTRUMENT # 060013590

WILLIAMSON ROAD, N.W.

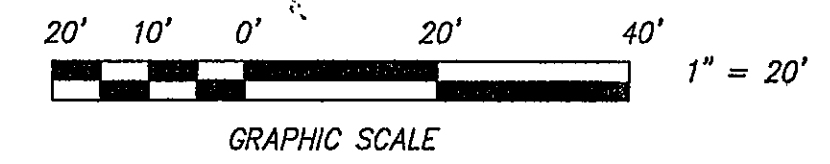
BIRCHLAWN AVENUE, N.W.

LANFORD STREET, N.W.



So Built
7-18-08
Wall

BENCHMARK
BR. SPIKE
ON EAST SIDE OF LANFORD STREET
ELEVATION = 99.07



SITE NOTES

1. FILL PLACED UNDER NEW BUILDINGS, CONCRETE PADS, FILL SLOPES OR PAVEMENT SHALL BE COMPACTED TO A MINIMUM OF 95% OF ASTM D698, STANDARD PROCTOR. FILL PLACED IN GRASS OR LANDSCAPED AREAS SHALL BE COMPACTED TO A MINIMUM OF 90% OF ASTM D-698, STANDARD PROCTOR.
2. OFF-SITE AREAS: THE CONTRACTOR HOLDING THE LAND DISTURBING PERMIT FOR THIS PROJECT IS REQUIRED TO PROVIDE TO THE ROANOKE CITY DEPARTMENT OF PLANNING BUILDING AND DEVELOPMENT. THE LOCATION OF ALL OFF-SITE BORROW/FILL AREAS ASSOCIATED WITH THIS PROJECT. AN EROSION CONTROL PLAN MAY BE REQUIRED FOR THOSE AREAS.
3. ALL SPOT ELEVATIONS SHOWN ARE APPROXIMATE
4. ALL DENUDED AREAS SHALL BE PERMANENTLY SEEDED WITHIN SEVEN (7) DAYS OF REACHING FINAL GRADE. TEMPORARY SEEDING SHALL BE APPLIED, WITHIN SEVEN (7) DAYS, TO DENUDED AREAS NOT AT FINAL GRADE BUT THAT WILL REMAIN UNDISTURBED FOR MORE THAN 30 DAYS.
5. ANY SOIL STOCKPILED ON-SITE SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT TRAPS OR OTHER PROTECTIVE MEASURES.
6. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL DENUDED AREAS NOT OTHERWISE PERMANENTLY STABILIZED.

GENERAL GRADING REQUIREMENTS

ALL FINISH GRADE CONTOURS AND SPOT ELEVATIONS SHOWN HEREIN ARE TO THE UPPER ELEVATION OF THE SPECIFIC ELEMENT. THE CONTRACTOR SHALL ACCOUNT FOR THE THICKNESS OF THE FINISH SURFACE (TOPSOIL, PAVEMENT, LANDSCAPE MULCH, ETC.) IN GRADING OF THE SITE.

UTILITY NOTES

1. THE GENERAL CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE THE EXACT POINT OF NEW SERVICE CONNECTIONS. SEE ARCHITECTURAL, BUILDING AND PLUMBING PLANS FOR SPECIFIC UTILITY SERVICE LOCATIONS AND SIZINGS.
2. THE GENERAL CONTRACTOR SHALL CONTACT "MISS UTILITY" PRIOR TO BEGINNING CONSTRUCTION.
3. THE GENERAL CONTRACTOR SHALL COORDINATE ALL UTILITY CONSTRUCTION WITH THE GRADING, PAVING AND BUILDING CONTRACTORS AS REQUIRED TO MINIMIZE CONFLICTS.
4. ALL STORM DRAINAGE AND SANITARY SEWER WORK SHALL HAVE RIGHT-OF-WAY OVER ALL ELECTRICAL, WATERLINE, GAS AND TELEPHONE CONSTRUCTION.
5. ALL NEW STORM DRAIN SHALL BE HIGH DENSITY POLYETHYLENE (HDPE) N-12, SMOOTH INTERIOR AS MANUFACTURED BY ADVANCE DRAINAGE SYSTEMS OF COLUMBUS, OHIO, OR ENGINEER APPROVED EQUAL.
6. PER CITY OF ROANOKE ZONING ORDINANCE ALL NEW UTILITY SERVICE LINES AND LATERALS, INCLUDING ELECTRIC, ARE TO BE INSTALLED UNDERGROUND.

TELEPHONE SERVICE NOTE

LOCATION OF TELEPHONE SERVICE TO NEW STRUCTURES IS NOT SHOWN ON THESE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING LOCATION OF TELEPHONE DROP, ROUTE OF NEW LINES TO BUILDING AND LOCATION OF ENTRY AT NEW STRUCTURE WITH VERIZON AND THE BUILDING PLANS.

ELECTRIC SERVICE NOTE

LOCATION OF NEW UNDERGROUND ELECTRIC SERVICE(S) TO NEW FACILITY IS NOT SHOWN IN THESE PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ANY NEW ELECTRICAL SERVICE REQUIREMENTS AND LOCATION OF CONNECTION(S) TO BUILDING WITH THE BUILDING PLANS AND AEP.

SANITARY SEWER CONNECTIONS

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LOCATION OF SANITARY SEWER CONNECTIONS TO THE PROPOSED FACILITY WITH THE PLUMBING PLANS

STORM DRAIN CONNECTIONS

CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING EXACT LOCATION OF NEW STORM DRAIN CONNECTIONS TO THE PROPOSED FACILITY WITH THE PLUMBING PLANS

GAS SERVICE NOTE

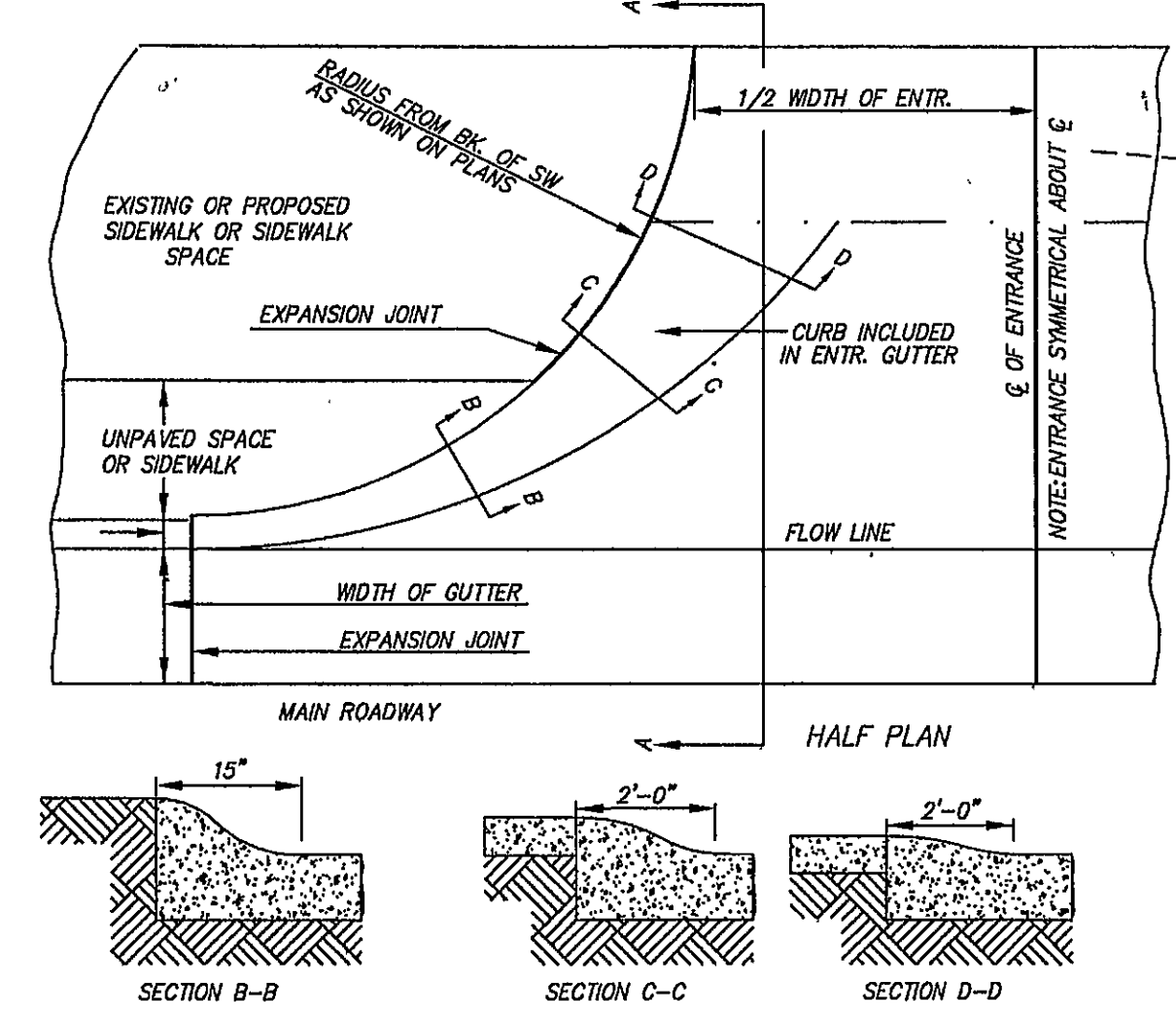
ROUTE OF NEW NATURAL GAS SERVICE TO FROM THE BUILDING TO EXISTING GAS MAINS IS NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION OF CONNECTION TO EXISTING GAS MAINS AND INSTALLATION OF NEW GAS METERS WITH ROANOKE GAS COMPANY.

*RAINWATER HARVESTING SYSTEM (RHS) NOTES

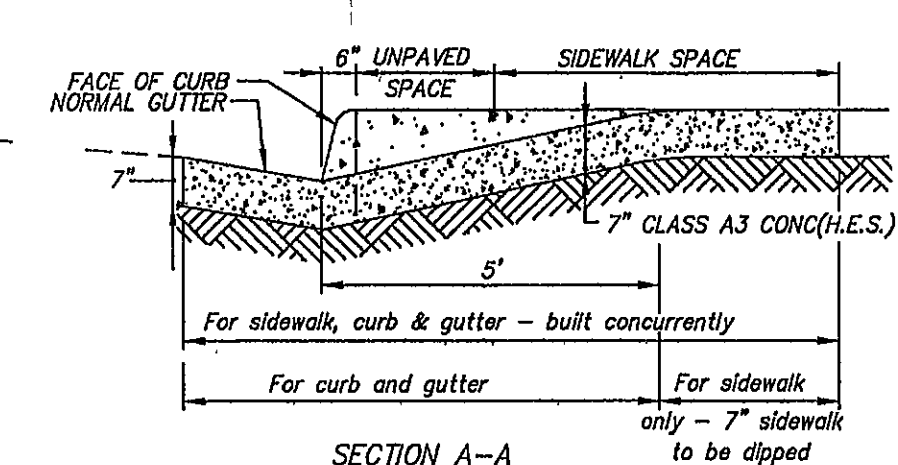
-SEE TYPICAL SECTION SHEET C-7 FOR ELEVATIONS OF INVERTS FOR TANK. REFERENCE PERFORMANCE SPECIFICATIONS FOR ALL DETAILS AND CONSTRUCTION REQUIREMENTS RELATED TO TANK, FILTERS, PUMPS ETC.

-CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INVERTS AT TANK WITH SHOP DRAWINGS AND FOR COORDINATING ALL CONNECTIONS TO EXISTING STORM DRAIN SYSTEM.

-LOCATION OF 2" RHS LINE SHOWN IS APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING LOCATION AND INVERT OF CONNECTION TO TANK AND LOCATION OF CONNECTION TO PROPOSED BUILDINGS WITH THE PLUMBING PLANS.



STANDARD CITY OF ROANOKE ENTRANCE DETAIL
NO SCALE



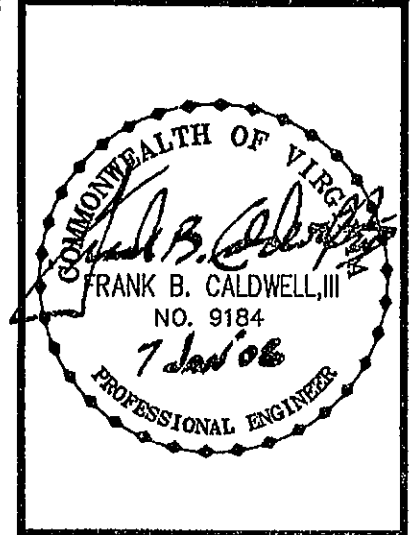
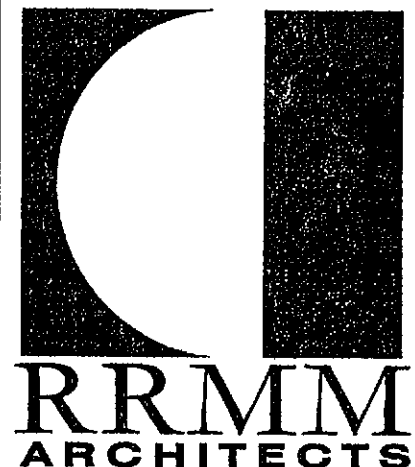
GENERAL NOTES:

1. Standard commercial "Entrance" shall have a minimum curb radius (R) of 7 1/2 feet. Minimum entrance width to be 12 feet.
2. Where curb & gutter already exists both curb & gutter shall be removed. If proposed entrance falls within five (5) feet of an existing joint, removal & reconstruction shall be to that joint. Any concrete removed at other than an existing joint shall be out with a mechanical saw specifically manufactured for that purpose.
3. Where sidewalk exists or is to be constructed across driveways, the thickness thereof must correspond with the thickness of the entrance.
4. Whenever "Entrances" exceeds twenty-four (24) feet in width, a 1/2" premolded expansion joint filler shall be installed through the center, perpendicular to flow line. Finish "Entrances" shall have a "coarse broom finish" running parallel to flow line.
5. Curing shall be accomplished by the use of a liquid membrane seal containing white pigment, applied at the rate of one (1) gallon per 150 square feet.
6. All "Entrances" shall be constructed according to City of Roanoke specifications and to the lines and grades established by the construction plans and actual field elevations.
7. Entrances exceeding 30 feet in width shall be approved by the City Manager.

CWA
CALDWELL WHITE ASSOCIATES
ENGINEERS / SURVEYORS / PLANNERS
4203 MELROSE AVENUE, N.W.
P.O. BOX 8880
ROANOKE, VIRGINIA 24017-0880
(840) 368-3400
FAX: (840) 368-8702

CITY OF RKE COMMENTS	CITY OF RKE COMMENTS	CITY OF RKE COMMENTS	APPR. PLANS description
JWK	JWK	JWK	by
11/17/07	12/19/07	1/7/08	mark date
1	2	3	revisions

date SEPT. 14, 2007	project 06-0059	designed JWK	drawn JWK	checked PBC
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project ROANOKE WILLIAMSON ROAD FIRE STATION
CITY OF ROANOKE
215 CHURCH AVE SW, ROOM 350, ROANOKE VA 24011
drawing
SITE UTILITY PLAN