

DEMOLITION NOTES - UTILITIES:

"DN#1": SEVERAL TELEPHONE AND ELECTRIC LINES AND POLES REQUIRE RELOCATION OR REMOVAL IN ORDER TO INSTALL THE PROPOSED UTILITIES AS SHOWN. REFER TO POLES LOCATED IN THE ALLEY, ALONG CENTRE AVENUE, AND AT THE INTERSECTION OF 5TH STREET AND CENTRE AVENUE.

"DN#2": - HOUSE DEMOLITION OCCURRED.

"DN#3": AS SHOWN ON THE ARCHITECTURAL PLANS, THE EXISTING ALLEY IS TO BE RECONSTRUCTED FOR A PORTION AND REMOVED FOR THE REMAINDER. THE ALLEY REQUIRES REMOVAL AND GRADING AS SHOWN.

"DN#4": ALONG CENTRE AVENUE, IN ORDER TO CONSTRUCT THE PROPOSED STORM SEWER LINE FROM EXISTING "ED 31" TO PROPOSED "G2", A WATER METER WILL REQUIRE RELOCATION, SEE DN#11. SIDEWALK AND CURB WILL REQUIRE RECONSTRUCTION, AND THE PROPOSED DRAINAGE LINE WILL CROSS SEVERAL SANITARY SEWER LATERALS.

"DN#5": ALONG CENTRE AVENUE, THE CONTRACTOR SHALL COORDINATE WITH THE WESTERN VIRGINIA WATER AUTHORITY FOR THE REMOVAL OF AN EXISTING WATER METER IN THE AREA OF THE PROPOSED ENTRANCE. THE CONTRACTOR SHALL REMOVE THE EXISTING LATERAL TO THE EXISTING RESIDENCE, IF IN PLACE.

"DN#6": ALONG LOUDON AVENUE, NEAR THE INTERSECTION OF 5TH STREET, THE CONTRACTOR MAY ENCOUNTER AN ABANDONED SANITARY SEWER LINE WHEN INSTALLING STORM SEWER LINES FROM "B3" TO "B2", "B5" TO "B4", AND "B6" TO "B4". ROANOKE CITY RECORDS SHOW THIS SANITARY SEWER LINE TO BE ABANDONED. THE CONTRACTOR SHALL REPAIR ANY SANITARY SEWER LINE ENCOUNTERED, WHETHER ABANDONED OR NOT. DEPTH AND TYPE OF THIS ABANDONED SANITARY SEWER LINE IS UNKNOWN.

"DN#7": THE CONTRACTOR SHALL COORDINATE THE RECONSTRUCTION OF EXISTING WATER LATERALS ALONG LOUDON AVENUE. THE WESTERN VIRGINIA WATER AUTHORITY IS RESPONSIBLE FOR THE EXISTING LATERAL TO THE WATER METER. THE PROPOSED METER SIZE AND LATERAL SIZE IS SHOWN ON THIS SHEET. THE CONTRACTOR SHALL THEN RECONSTRUCT NEW LATERALS FROM THE WATER METER TO EXISTING AND PROPOSED BUILDINGS.

"DN#8": THE CONTRACTOR SHALL COORDINATE WITH THE WESTERN VIRGINIA WATER AUTHORITY FOR THE RELOCATION/ADJUSTMENT OF EXISTING WATER METER, IN THE LOCATION OF A PROPOSED ENTRANCE ALONG LOUDON AVENUE NEAR THE INTERSECTION WITH 5TH STREET.

"DN#9": THE CONTRACTOR SHALL COORDINATE WITH THE WESTERN VIRGINIA WATER AUTHORITY FOR THE INSTALLATION OF NEW WATER LATERAL SERVICES TO EXISTING AND PROPOSED BUILDINGS. THE CONTRACTOR SHALL THEN INSTALL A NEW LATERAL TO EACH DWELLING.

"DN#10": SEE ARCHITECTURAL PLANS FOR ADDITIONAL ITEMS TO BE REMOVED OR RELOCATED.

"DN#11": ANY ABANDONMENT, ADJUSTMENTS, OR RELOCATION OF EXISTING WATER AUTHORITY SERVICES WILL BE COMPLETED BY THE WVWA AT A FEE, DETERMINED AT THAT TIME.

WATER ITEMS:

- 1 1-INCH WATER METER (4 TOTAL: BLDG 1, BLDG 2/3, BLDG 6 & BLDG 7)
- 2 1/2-INCH DOMESTIC WATER LATERAL
- 3 3/4-INCH METER (0 TOTAL: 202-CENTRE-AVE.)
- 2 2-INCH DOMESTIC WATER LATERAL
- 5 5/8-INCH METER (2 TOTAL: BLDG 4 AND BLDG 5)
- 3 3/4-INCH DOMESTIC WATER LATERAL
- 1 1/2-INCH DOMESTIC WATER LATERAL
- 3-INCH DOMESTIC WATER LINE (FUTURE CONSTRUCTION AREA)
- 8-INCH FIRE LINE EXTENSION - WVWA ITEM (MET TAP & 8" VALVE)
- 8-INCH FIRE SERVICE VAULT WITH 3-INCH DOMESTIC SERVICE (SEE WATER DETAILS)(WVWA)
- 8-INCH FIRE LINE (320 LF)
- 8" X 8" X 6" TEE, EXTEND 6-INCH LINE TO BUILDING, PROVIDE 6-INCH VALVE. (3 TOTAL)
- 6-INCH FIRE LINE (310 LF)
- 8-INCH 22.5" BEND (3 TOTAL)
- 8-INCH 45" BEND (1 TOTAL)
- 6-INCH 45" BEND (4 TOTAL)
- 8" X 8" X 8" TEE, EXTEND 8-INCH LINE, PROVIDE 8-INCH VALVE. (1 TOTAL)
- 8-INCH FIRE HYDRANT WITH EXTENSION AND VALVES (FIRE HYDRANT ASSEMBLY)(2 TOTAL)
- 8" X 6" X 6" TEE, EXTEND 6-INCH LINE TO BUILDINGS (1 TOTAL)
- 6-INCH 22.5" BEND (2 TOTAL)

ALL VALVE BOXES SHALL BE RATED FOR TRAFFIC LOADINGS.

PER CITY OF ROANOKE FIRE MARSHAL'S OFFICE INFORMATION OF APRIL 10, 2006, THE SERVICE AREA OF EACH FIRE HYDRANT SHALL BE 250 FT FOR CONSTRUCTION OF THIS NATURE. WITH THE PRESENCE OF HYDRANTS AT INTERSECTION OF CENTRE AVENUE AND 6TH STREET, AND AT LOUDON AVENUE AND 6TH STREET, ONE NEW FIRE HYDRANT IS REQUIRED TO PROVIDE OVERLAPPING SERVICE AREAS OF 250 FT. THE HYDRANT NEAR BUILDING 5 IS CLOSER THAN 50 FT; HOWEVER EACH BUILDING HAS FIRE SPRINKLER PROTECTION. THE FLOW RATE OF THE EXISTING SYSTEMS ARE NOT AVAILABLE AT THIS TIME; THEREFORE, THE FLOWRATE OF THE NEW HYDRANT CAN NOT BE DETERMINED. THE NEW HYDRANT AND ALL FIRE WATERLINES ARE PRIVATE. THE FIRE HYDRANT SHALL HAVE A WHITE COLORED BARREL. THE BONNET COLOR IS BASED ON AVAILABLE FLOWRATE AND CAN NOT BE DETERMINED AT THIS TIME.

REFERENCE IS DIRECTED TO THE ADJACENT "UTILITY PLAN" FOR WATERLINE CONSTRUCTION NOTES, EXISTING DRAINAGE AND SANITARY SEWER STRUCTURE INFORMATION, AND PROPOSED SANITARY SEWER CONSTRUCTION. REFERENCE IS DIRECTED TO "WATER PROFILES" FOR BLOWOFF VALVES AND AUTOMATIC AIR ASSEMBLIES. REFERENCE IS DIRECTED TO THE ADJACENT "DRAINAGE & SPOT ELEVATION" SHEETS FOR PAVEMENT/CURB INFORMATION, AND PROPOSED DRAINAGE SUMMARY.

DOMESTIC WATER AND SANITARY SEWER INITIAL DESIGN:

Building #1: Install new commercial water service (W-5). Install 1" meter and 2" domestic water line. Install new water lateral and two (2) new 6" sanitary sewer laterals.

Building #2/3: Install new commercial water service (W-5). Install 1" meter and 2" domestic water line. Install new water lateral and new 6" sanitary sewer lateral.

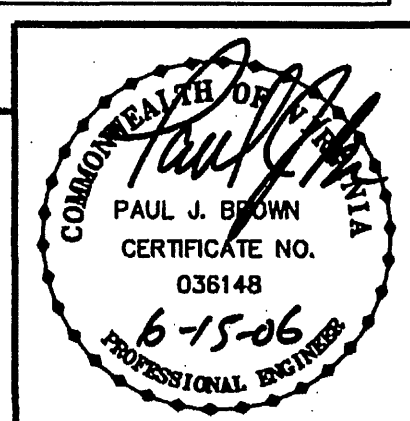
Building #4: Use existing water meter box (W-2) and existing residential water lateral. Use existing sanitary sewer lateral.

Building #5: Use existing water meter box (W-2) and existing residential water lateral. Use existing sanitary sewer lateral.

Building #6: Install new commercial water service (W-5). Install 1" meter and 2" domestic water line from Loudon Avenue. For sanitary sewer, coordinate to "corner" existing sanitary sewer line adjacent to 5th Street. If line is in good shape and usable, extend 6" lateral to ES38. Contractor shall plan to replace existing manhole and raise top by 2 feet to match proposed grading. As Option #2, extend new 6" lateral from Centre Avenue as shown.

Building #7: Install new commercial water service (W-5). Install 1" meter and 2" domestic water line. Use existing sanitary sewer laterals, if possible.

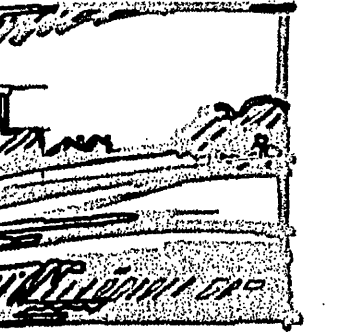
DESIGNED BY P.J. BROWN
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 CHECKED BY PJB
 W.O. # 05-0021-02
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PARK STREET SQUARE
 UTILITY PLAN - 6TH STREET
 ROANOKE, VIRGINIA

Date: JUNE 13, 2006
 Scale: 1" = 20'
 Revisions:

Drawn By: PJB/TPPS
 Review By: PJB
 Project No. 06-0021-02
 HILL STUDIO NO. 0539

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