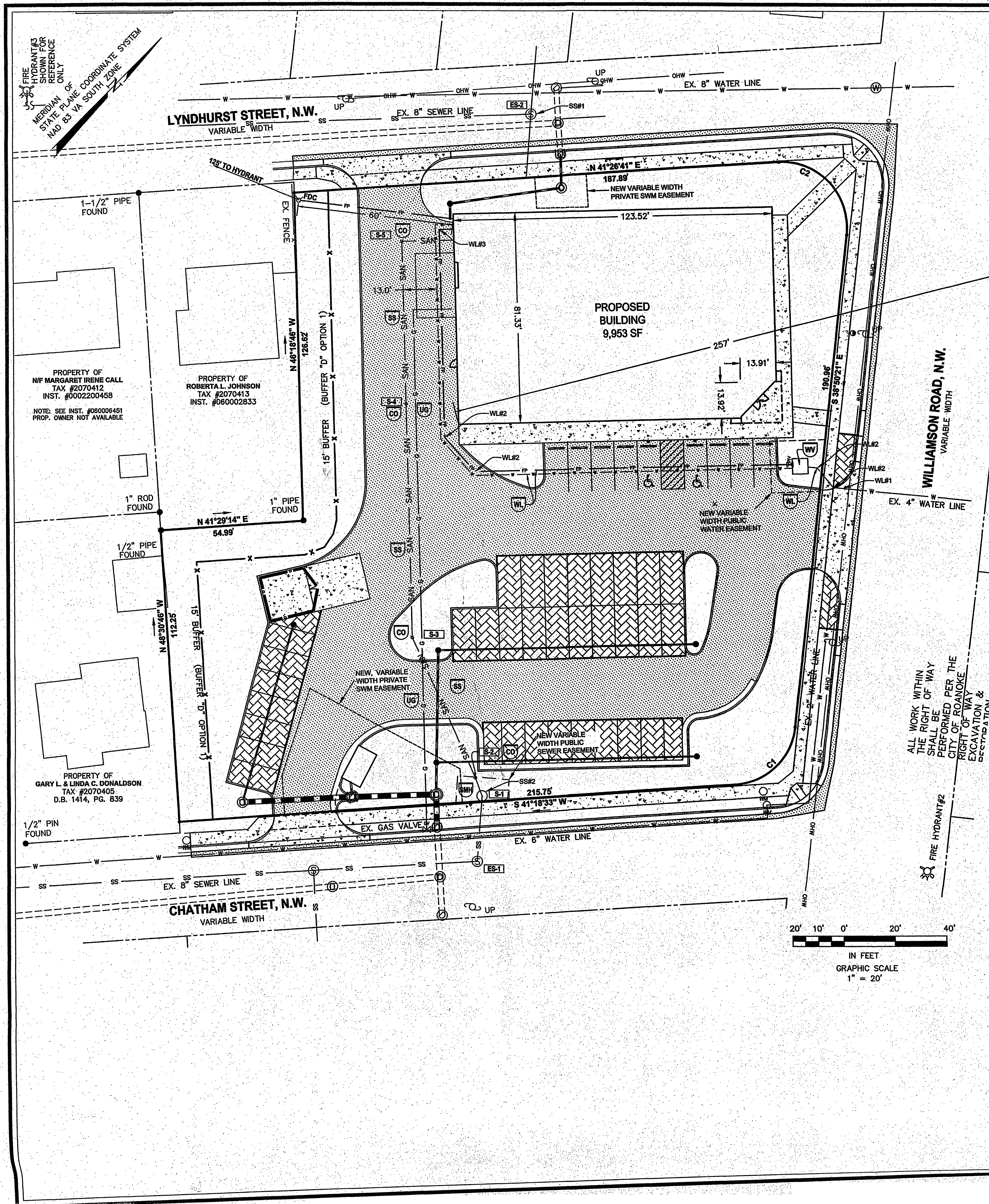




- SPECIAL NOTES TO CONTRACTOR:**
- CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES FOR SERVICE LINES.
 - LOCATION OF EXISTING GAS LINE IS UNKNOWN. CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY LOCATION OF EXISTING GAS LINE. PROPOSED UNDERGROUND GAS CONNECTS TO VISIBLE GAS VALVE ON CHATHAM.
 - CONTRACTOR SHALL USE EXTREME CAUTION DURING CONSTRUCTION TO NOT DISTURB EXISTING UTILITIES TO REMAIN.
 - ALL NEW UTILITIES TO BE INSTALLED UNDERGROUND. CONTRACTOR SHALL VERIFY LOCATIONS OF UTILITY ENTRANCE/EXITS TO BUILDING WITH ARCHITECTURAL PLANS. ROOF MOUNTED EQUIPMENT IS TO BE SCREENED BY BUILDING DESIGN. GROUND MOUNTED EQUIPMENT SHALL MEET THE REGULATIONS OF 36.2-205 & 36.2-649.
 - CONTRACTOR IS RESPONSIBLE FOR FURNISHING AND INSTALLING ALL COMPONENTS OF THE WATER SERVICE BETWEEN THE EXISTING 4" SERVICE AND THE BUILDING.
 - PRIOR TO THE START OF CONSTRUCTION, CONTRACTOR SHALL CONTACT THE AUTHORITY INSPECTOR AT 537-3460.

- MATERIALS LIST:**
(QUANTITY - MATERIAL)
- SANITARY SEWER:**
- 240 LF - 6" SDR-35 PVC PIPE
 - 4 - TRAFFIC BEARING SANITARY SEWER CLEANOUT
 - 1 - SANITARY SEWER MANHOLE
- WATER:**
- 240 LF - 1.5" TYPE K COPPER WATER LINE
 - 1 - 6"x6" WATER VAULT W/ 1" WATER METER
 - 250 LF - 4" CPVC WATER LINE
 - 4 - 45° BEND W/ THRUST BLOCK
 - 1 - 90° BEND W/ THRUST BLOCK

- SITE SPECIFIC FIRE MARSHALL NOTES:**
- FM1. THE USE GROUP CLASSIFICATION OF THE PROPOSED CONSTRUCTION IS RETAIL. THE PROPOSED CONSTRUCTION IS ONE STORY; THE FIRE FLOW REQUIREMENT IS 2,000 GPM WITH 20 PSI RESIDENTIAL PRESSURE. THE PLANNED FIRE PROTECTION INCLUDES: AN AUTOMATED SPRINKLER SYSTEM AND THREE (3) HYDRANTS TOTALING MORE THAN 2,000 GPM.
- FM2. BASED ON THE WVA GIS INFORMATION, EXISTING FIRE HYDRANTS ARE AS FOLLOWS:
- | FIRE HYDRANT #1: | FIRE HYDRANT #2: |
|---|---|
| NORTH SIDE OF FUGATE ROAD
EAST OF DEVELOPMENT
FARTHEST DISTANCE: 257'
WVA HYDRANT ID 12575 (HYD-3084)
STATIC: 60 PSI
RESIDUAL: 30 PSI AT 834 GPM
GPM AT 20 PSI: 974 GPM | EAST OF WILLIAMSON ROAD
EAST OF DEVELOPMENT
FARTHEST DISTANCE: 311'
WVA HYDRANT ID 12574 (HYD-3085)
STATIC: 49 PSI
RESIDUAL: 30 PSI AT 722 GPM
GPM AT 20 PSI: 843 GPM |
- FIRE HYDRANT #3:
NORTH SIDE OF LYNDBURST STREET
NORTHWEST OF DEVELOPMENT
FARTHEST DISTANCE: 125' TO STANDPIPE
WVA HYDRANT ID 12282 (HYD-3083)
STATIC: 46 PSI
RESIDUAL: 22 PSI AT 874 GPM
GPM AT 20 PSI: 919 GPM
- FM3. THE FIRE DEPARTMENT CONNECTION (FDC) IS A GUARDIAN FIRE EQUIPMENT, SERIES 6228 WITH TWO (2) 2 1/2-INCH CONNECTIONS. THE FDC SHALL HAVE LOCKABLE CAPS KEYS TO THE ROANOKE FIRE-EMS SYSTEM.
- FM4. A FIRE ALARM IS PLANNED. A KNOX BOX (3200 SERIES) IS PLANNED. THE LOCATION IS AT THE CORNER OF THE BUILDING, ALONG LYNDBURST STREET, CLOSEST TO THE FDC. SEE ARCHITECTURAL PLANS FOR ADDITIONAL INFORMATION.
- FM5. NO FIRE LANES ARE PLANNED AT THIS TIME. THE FIRE MARSHALL RESERVES THE RIGHT TO REQUIRE A FIRE LANE ADJACENT TO THE BUILDING (NORTHWEST SIDE OF THE BUILDING).
- FM6. CONTRACTOR TO INSTALL POST INDICATOR VALVE (PIV) ON FIRE LINE ADJACENT TO THE FIRE VAULT. (Remedy Valve Co. Model #2945)

- SITE UTILITY LEGEND**
- NEW 6" x 6" WATER VAULT WITH 4" FIRE LINE AND 1" DOMESTIC METER. SEE DETAIL W-26.
 - EXTENSION OF 4" LINE TO FIRE VAULT SHALL UTILIZE SAME TYPE OF PIPE AS EXISTING. PROPOSED 1.5" TYPE K COPPER WATER LINE FOR DOMESTIC SERVICE LATERAL TO BUILDING. 4" CPVC FOR FIRE SERVICE.
 - PROPOSED PRIVATE 6" SDR-35 SEWER LATERAL.
 - PROPOSED SANITARY SEWER STRADDLE MANHOLE. SEE DETAIL S-02.
 - PROPOSED SANITARY SEWER CLEANOUT, TYP. TRAFFIC BEARING. SEE DETAIL S-08.
 - PROPOSED UNDERGROUND GAS.

- SANITARY SEWER SCHEDULE**
- | FROM BLD TO ES-1 | 6" INV @ BLD: 1012.30 |
|------------------|---|
| BLD - S-5 | 20.0 LF OF 6" SDR-35 @ 2.00% SLOPE |
| S-5 | SANITARY SEWER CLEANOUT
TOP: 1017.24
INV: 1011.90 |
| S-5 - S-4 | 63.0 LF OF 6" SDR-35 @ 1.11% SLOPE |
| S-4 | SANITARY SEWER CLEANOUT
TOP: 1016.89
INV: 1011.20 |
| S-4 - S-3 | 90.0 LF OF 6" SDR-35 @ 1.11% SLOPE |
| S-3 | SANITARY SEWER CLEANOUT
TOP: 1014.55
INV: 1010.20 |
| S-3 - S-2 | 59.0 LF OF 6" SDR-35 @ 6.81% SLOPE |
| S-2 | SANITARY SEWER CLEANOUT
TOP: 1014.10
INV: 1006.18 |
| S-2 - S-1 | 7.4 LF OF 6" SDR-35 @ 5.81% SLOPE |
| S-1 | SANITARY SEWER MANHOLE
TOP: 1013.77
6" INV IN: 1005.75
6" INV OUT: 1005.27 (ESTIMATED) |
| S-1 - ES-1 | 25.4 LF OF EXISTING 8" PIPE @ 0.70% SLOPE |
| ES-1 | EXISTING SANITARY SEWER MANHOLE
TOP: 1012.64
8" INV IN: 1005.09
8" INV OUT: 1005.0 |

- GENERAL UTILITY NOTES:**
- THE LOCATION, DEPTH, AND ALIGNMENT OF EXISTING UNDERGROUND UTILITIES IS BASED UPON FIELD SURVEY, AVAILABLE RECORDS, AND AS LOCATED BY A UTILITY MARKING COMPANY AND SHOULD BE CONSIDERED APPROXIMATE. THERE MAY BE UTILITIES WHICH AFFECT THE PROPERTY NOT SHOWN HEREON. CONTRACTOR SHALL CALL "MISS UTILITY" TO VERIFY LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO ANY CONSTRUCTION.
 - CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO CITY STANDARDS.
 - THE CONTRACTOR SHALL FIELD VERIFY THE INVERTS OF ALL EXISTING MANHOLES, GAS LINES, AND OTHER UTILITY LINES PRIOR TO THE START OF CONSTRUCTION.

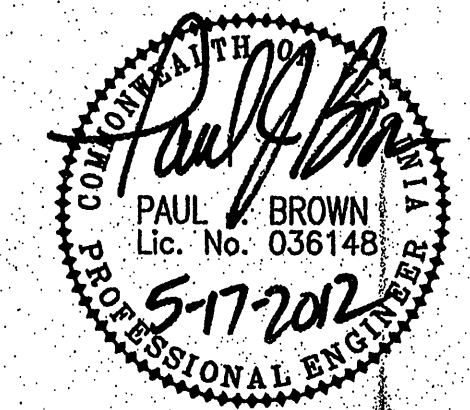
- SANITARY SEWER NOTES:**
- SS#1: STRUCTURE ES-2 (IN LYNDBURST STREET) IS AN EXISTING SANITARY SEWER MANHOLE. THE EXISTING SANITARY SEWER LINE FROM ES-2 TO ES-1 IS CURRENTLY AN OVERFLOW SANITARY SEWER LINE THAT IS NO LONGER REQUIRED AND IS BEING ABANDONED IN PLACE. CONTRACTOR SHALL ABANDON LINE IN CLOSE PROXIMITY TO NEW CURB LINE AS DENOTED ON SHEET C02 AND DESCRIBED IN DETAILS.
- SS#2: NEW SEWER MANHOLE "SMH" SHALL BE INSTALLED ON THE EXISTING SANITARY SEWER LINE. THE CONTRACTOR MAY NEED TO OVEREXCAVATE THE AREA TO "SLIDE" THE STRUCTURE ONTO THE PIPE, OR REPLACE A SECTION OF PIPE DOWNSTREAM. CONTRACTOR SHALL VERIFY DEPTH OF EXISTING LINE. A VARIABLE WIDTH EASEMENT IS PROVIDED TO DELINEATE THE END OF THE PUBLIC LINE.
- SS#3: CONTRACTOR SHALL VERIFY LOCATION AND INVERTS OF MANHOLES PRIOR TO CONSTRUCTION.
- SS#4: MAINTAIN MINIMUM 3.0' COVER ON SEWER LINE.

- WATERLINE NOTES:**
- WL#1: EXISTING 4" WATER LINE TO BE EXTENDED TO NEW WATER VAULT.
- WL#2: 45° BEND W/ THRUST BLOCK.
- WL#3: 90° BEND W/ THRUST BLOCK.
- WL#4: MAINTAIN MINIMUM 3.5' COVER ON WATER LINE.

APPROVED
JUL 11 2012



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DOLLAR TREE
Comprehensive Site Plan
Prepared for D&S Development, LLC
#3016 Williamson Rd, N.W.
City of Roanoke, Virginia
CP 120002

REVISIONS:

Address Review Comments	WBS-57
Address Review Comments <td>PJB 5-21-2012</td>	PJB 5-21-2012
Address Review Comments <td>PJB 5-21-2012</td>	PJB 5-21-2012

DESIGNED BY: SLR
DRAWN BY: SLR
CHECKED BY: PJB
SCALE: 1" = 20'
DATE: 18 January 2012

SHEET TITLE:
Site
Utility
Plan
C04
04 OF 17
PROJECT NUMBER:
09-0040-07