

# UTILITY SHEET NOTES

- U1 TRENCH DRAIN PER ARCH. 6" SCH. 40 PVC INV. OUT=1002.25
- U2 INSTALL ZOELLER SUMP PUMP FROM TRENCH DRAIN AND 54LF 2" PVC @ TO PRECAST CONCRETE SPLASH BLOCK AT GRADE.
- U3 36"L PRECAST CONCRETE SPLASH BLOCK AT GRADE DIRECTED TOWARDS ROADSIDE INLET.
- U4 NEW 1" HDPE SERVICE & 3/4" METER TO TENANT SPACE C1. INSTALL TRACER WIRE WITH SERVICE LINE.
- U5 NEW 1" HDPE SERVICE & 3/4" METER TO TENANT SPACE C2. INSTALL TRACER WIRE WITH SERVICE LINE.
- U6 EXTEND TENANT SPACE C1 & C2 SAN. SEWER DISCHARGE FROM BUILDING; INSTALL CLEANOUTS AND EXTEND 227.44LF OF 6" SDR35 PVC LATERAL @ 1.5% TO MANHOLE AS SHOWN. SEE PROFILE SHEET C8
- U7 BASED ON AS-BUILT RECORDS FOR STORM SEWER, NEW SS LATERAL WILL CROSS DIRECTLY OVER TOP OF EXIST. STORM DRAIN PIPE. SEE PROFILE, SHEET C8
- U8 RELOCATE GUY WIRE POLE. COORDINATE RELOCATION WITH AEP AND CITY OF ROANOKE.
- U9 INSTALL NEW 8" DOGHOUSE MH BASE OVER EXIST 54" RCP. CUT OUT TOP OF REMAINING 54" RCP INSIDE DOGHOUSE. INFILL BETWEEN EDGES OF RCP & SIDE OF DOGHOUSE WITH CONCRETE. INSTALL 6" TO 4" TRANSITION RISER & ADDITIONAL RISERS AS NECESSARY TO BRING NEW DI-3 TOP TO FINAL GRADE. INSTALL 8' LONG DI-3 TOP. FIELD VERIFY LOCATION AND EXTENT OF 54" RCP AND ALIGNMENT OF RISER SECTION AND DI-3 TOP WITH PROPOSED CURB AND GUTTER BASED ON EXCAVATED FIELD CONDITIONS PRIOR TO CG-6 CONSTRUCTION. SEE PROFILE
- U10 REMOVE EXIST. DI-7 TOP AND RISER AS NECESSARY FOR INSTALLATION OF NEW 4" RISER AND DI-3 TOP. ENSURE DI-3 IS ON GRADE WITH CURB ON EACH SIDE. FIELD VERIFY ALIGNMENT OF RISER SECTION AND DI-3 TOP WITH CURB AND GUTTER BASED ON SURVEY AND EXCAVATED FIELD CONDITIONS PRIOR TO CG-6 CONSTRUCTION.
- U11 EXTEND NEW UNDERGROUND ELECTRIC SERVICE AND GAS SERVICE TO EACH TENANT LOCATION IN VICINITY SHOWN. DROP POWER FROM POLE & EXTEND GAS FROM MAIN IN ROAD.

# GENERAL UTILITY NOTES

1. ALL WATER CONNECTIONS TO EXISTING LINES SHALL BE COORDINATED WITH AND PERFORMED BY THE WESTERN VIRGINIA WATER AUTHORITY.
2. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF WATER SERVICES FROM THE MAIN (EXCEPT TAP) TO THE BUILDING. ALL NEW SERVICES SHALL CONFORM WITH WESTERN VIRGINIA WATER AUTHORITY DESIGN AND CONSTRUCTION DETAILS. ALL WORK PERFORMED BY CONTRACTOR SHALL BE COORDINATED WITH AND INSPECTED BY A WVA INSPECTOR.
3. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF SEWER SERVICES FROM THE MAIN TO THE BUILDING. ALL NEW SERVICES SHALL CONFORM WITH WESTERN VIRGINIA WATER AUTHORITY DESIGN AND CONSTRUCTION DETAILS. ALL WORK PERFORMED BY CONTRACTOR SHALL BE COORDINATED WITH AND INSPECTED BY A WVA INSPECTOR.
4. ALL NEW UTILITIES TO BUILDING SHALL BE UNDERGROUND.
5. NEW GAS LINE SERVICE (SIZE, LOCATION, TAP, SCHEDULE, ETC.) TO BUILDING SHALL BE COORDINATED WITH ROANOKE GAS COMPANY.
6. NEW UNDERGROUND ELECTRIC SERVICE TO BUILDING SHALL BE COORDINATED WITH AEP.
7. SANITARY SEWER TAP TO EXISTING MANHOLE SHALL BE MADE BY CONTRACTOR. MANHOLE CONNECTION MUST BE CORED WITH A BOOT INSTALLED. AN INSIDE DROP MAY BE REQUIRED. SEE DETAIL S-3 IF SO.

## SANITARY SEWER STRUCTURE SCHEDULE

16-3055  
SSMH-BRICK  
RIM=1002.83  
8" INV=996.33  
NEW 6" PVC INV.=998.33

16-3056  
SSMH-BRICK  
RIM=1004.69  
INV=996.79

16-3057  
SSMH-BRICK  
RIM=1005.30  
INV=998.75

## SS CLEANOUT SCHEDULE

C01 TOP=1003.25  
6" INV=999.31  
C02 TOP=1004.85  
6" INV=1001.07  
C03 TOP=1006.50  
6" INV=1002.00

## STORM SEWER STRUCTURE SCHEDULE

100766 MODIFIED INLET-FLAT TOP WITH SLOTTED SIDE INLETS ON 8" STD. MH BASE TOP=1002.19  
24" RCP IN=994.87  
48" RCP IN=994.87  
48" RCP OUT=994.87

100765 MODIFIED INLET-FLAT TOP WITH SLOTTED SIDE INLETS ON 8" STD. MH BASE TOP=1002.48  
SLOTS=1001.50  
24" RCP OUT=995.40  
NEW 6" PVC INV=1000.08

100764 EX. DI-7 TOP ON 48" RISERS ON 8" B-3 T-BASE TOP=1004.17  
54" RCP INV IN=993.60  
54" RCP INV OUT=993.60

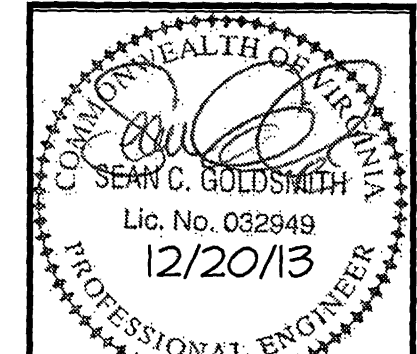
100764A NEW DI-3 TOP (10'L) ON 48" TRANSITION RISER ON 8" DOGHOUSE MANHOLE SET OVER EX. 54" RCP TOP=1004.85  
54" RCP INV IN=993.59  
54" RCP INV OUT=993.59

100763 DI-1 INLET TOP=1006.96  
15" RCP OUT

100762 DI-1 INLET TOP=1006.7

100761 NEW 10'L DI-3 TOP (10'L) ON 4" RISER ON 8" B-3 T-BASE NEW TOP=1005.33  
15" RCP INV IN=995.77  
54" RCP INV IN=993.80  
54" RCP INV OUT=993.80  
ADJUST DI-3 TOP HT. TO MATCH NEW CG-6

200211 9.5' DIA. STORM MH TOP=1002.04  
48" RCP INV IN=992.73  
54" RCP INV IN=992.73  
54" RCP INV OUT=992.73



| Revisions By    | Date     |
|-----------------|----------|
| 1-CITY CMNTS    | 10/31/13 |
| 2-CITY CMNTS    | 12/9/13  |
| 3-BAKER AVE OHE | 12/20/13 |

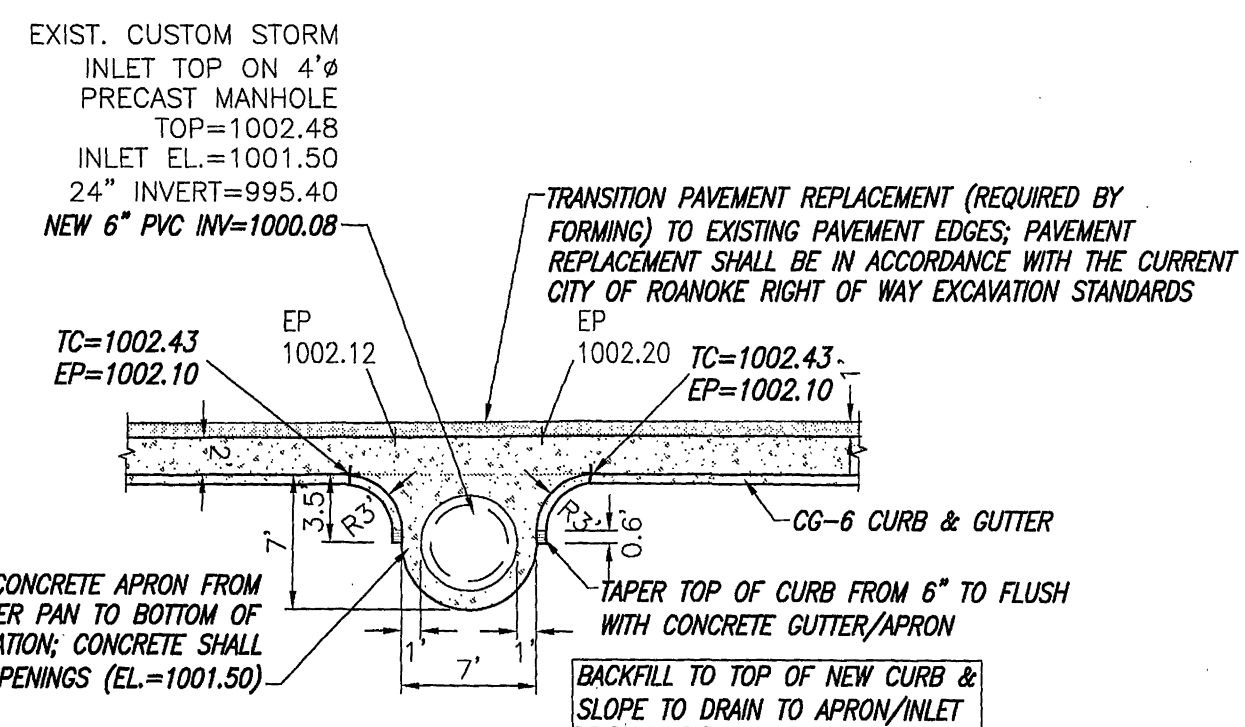
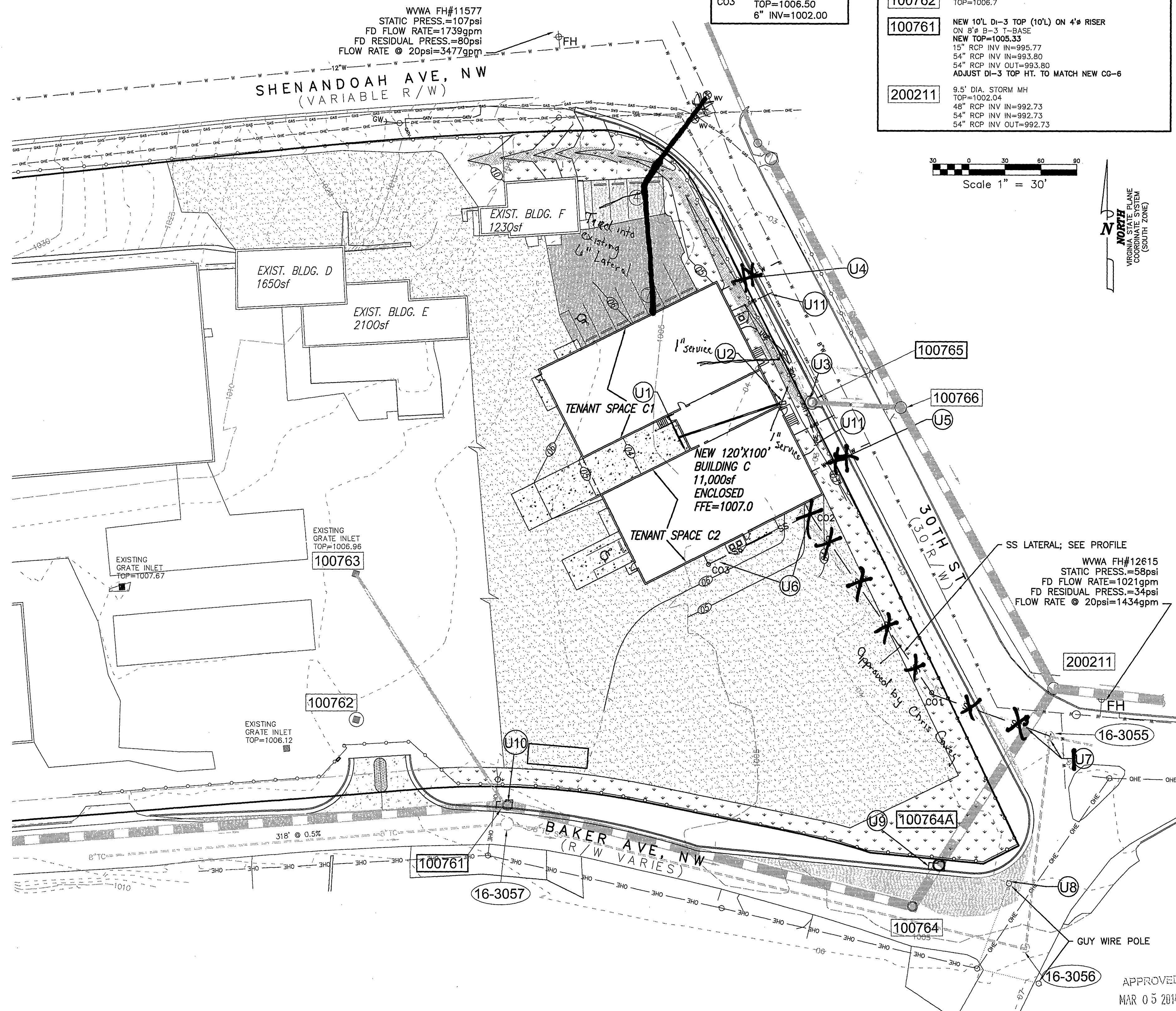
**INTEGRITY ENGINEERING**  
463 White Oak Drive  
Blue Ridge, VA 24064  
Ph: (540) 537-2390  
Email: integrityengpc@gmail.com

**UTILITIES PLAN**  
**BAKER AVE. PROPERTY REDEVELOPMENT**  
**TISA LEASING**  
**ROANOKE, VA**

Scale: 1"=30'  
Date: 9/3/13  
Design By: SCG  
CAD By: SCG  
Checked By:  
Project No.: 13021

Sheet No.  
**C3**

APPROVED  
MAR 05 2014



**EXISTING CUSTOM ROADSIDE INLET MODIFICATIONS DETAIL**  
SCALE: 1"=10'