

LAYOUT NOTES

1. INSTALL 2" DOMESTIC WATER SERVICE CONNECTION PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS. WATER COMPANY TO MAKE TAP.
- 1A. INSTALL 1" IRRIGATION WATER SERVICE CONNECTION PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS. WATER COMPANY TO MAKE TAP.
2. INSTALL 2" DOMESTIC REDUCED PRESSURE ZONE ASSEMBLY INSIDE BUILDING (REQUIRED) PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS.
- 2A. INSTALL 1" IRRIGATION REDUCED PRESSURE ZONE ASSEMBLY (REQUIRED) PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS. INSTALL AHEAD OF ANY SPRINKLER.
3. INSTALL 2" TYPE K COPPER DOMESTIC WATER SERVICE PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS. SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR.
- 3A. INSTALL 1" TYPE K COPPER IRRIGATION WATER SERVICE PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS. SITE CONTRACTOR TO COORDINATE WITH BUILDING, PLUMBING AND IRRIGATION CONTRACTOR.
4. INSTALL 1-1/2" METER AND METER PIT PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS. WATER COMPANY TO INSTALL WATER METER AND CONTRACTOR TO INSTALL PIT.
- 4A. INSTALL 1" METER AND METER PIT PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS. WATER COMPANY TO INSTALL WATER METER AND CONTRACTOR TO INSTALL PIT.
5. INSTALL 3/4" TYPE K COPPER COLD WATER SERVICE TO DUMPSTER POST HYDRANT. SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR.
6. INSTALL DUMPSTER POST HYDRANT. REFER TO THE FIXTURE CONNECTION SCHEDULE (P-31) DEPICTED ON THE PROJECT PLUMBING PLANS.
7. WATER SERVICE CONNECTION POINT. CONTRACTOR TO LOCATE EXISTING WATER LINE PRIOR TO START OF CONSTRUCTION. CONNECTION TO BE MADE WITH A 2" TAP PER WATER COMPANY'S SPECIFICATIONS AND REQUIREMENTS. WATER COMPANY TO MAKE TAP.
8. EXISTING 12" WATER LINE PER RECORDS.
10. WASTEWATER SERVICE LATERAL CONNECTION POINT. CONTRACTOR TO MAKE CONNECTION TO EXISTING 8" SANITARY SEWER MAIN AS REQUIRED PER UTILITY COMPANY'S SPECIFICATIONS AND REQUIREMENTS. CONTRACTOR RESPONSIBLE TO OBTAIN THE EXISTING ELEVATION OF THE CONNECTION POINT AND VERIFY THAT IT IS DEEP ENOUGH TO SERVICE THE BUILDING FINISHED FLOOR AS DESIGNED. REPORT ANY ISSUES TO GBC DESIGN, INC. PRIOR TO THE START OF THE BUILDING FOUNDATION CONSTRUCTION.
11. INSTALL 6" SCHEDULE 40 PVC WASTEWATER SERVICE LINE AT 1.0% MINIMUM SLOPE. SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR.
12. INSTALL 6" CLEAN OUT (SIMILAR TO DETAIL 37 ON SHEET C-4.3). CLEAN OUT SHALL BE FLUSH W/ PAVEMENT & INSTALLED UNDER A PROTECTIVE METAL BOX COVER SIMILAR TO A METER PIT COVER WITH A TRAFFIC BEARING LID.
- 12A. INSTALL 6" TWO-WAY CLEAN OUT (SEE DETAIL 37 ON SHEET C-4.3). CLEAN OUT SHALL BE FLUSH W/ PAVEMENT & INSTALLED UNDER A PROTECTIVE METAL BOX COVER SIMILAR TO A METER PIT COVER WITH A TRAFFIC BEARING LID.
13. INSTALL PRECAST 1,000 GALLON CAPACITY GREASE TRAP. SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR. TOP OF MANHOLE TO BE 0.2' ABOVE FINISH GRADE AND MATCH SIDEWALK GRADES WHERE REQUIRED. VERIFY GREASE TRAP MEETS CITY/COUNTY SPECIFICATIONS PRIOR TO INSTALLATION. CONTRACTOR RESPONSIBLE TO VERIFY ELEVATION OF SANITARY LATERAL PIPES AT GREASE TRAP PRIOR TO THE START OF SEWER CONSTRUCTION. REFER TO PLUMBING PLAN, SHEET P-1.1.
- 13B. GREASE INTERCEPTOR SHALL BE INSPECTED AND APPROVED BY WESTERN VIRGINIA WATER AUTHORITY PRIOR TO SITE RECEIVING WATER CONNECTION. FORTY-EIGHT (48) HOURS PRIOR TO INSTALLATION, THE CONTRACTOR SHALL COMPLETE THE FOLLOWING:
 - A. SUBMIT SHOP DRAWINGS TO CASSIE ALICE, 601 S. JEFFERSON STREET, SUITE 300, ROANOKE, VA 24011.
 - B. CALL (540) 537-3460 TO SCHEDULE GREASE INTERCEPTOR INSPECTION. THE INSPECTION SHALL OCCUR PRIOR TO THE CONTRACTOR COVERING THE GREASE INTERCEPTOR.
14. INSTALL 4" KITCHEN WASTE LINE (FL = 4'-0" BELOW FINISHED FLOOR ELEVATION). SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR.
15. INSTALL 3" VENT LINE. CONNECT TO GREASE INTERCEPTOR (SEE SHEET P-1 FOR LOCATION). SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR.
16. INSTALL 4" RESTROOM WASTE LINE (FL = 4'-0" BELOW FINISHED FLOOR ELEVATION). SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR.
19. INSTALL DOWNSPOUT FOR ROOF DRAINAGE (REFER TO ARCHITECTURAL PLANS). CONNECT TO STORM SEWER. SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR (SEE DETAIL 38 ON SHEET C-4.3).
20. INSTALL 4" SCHEDULE 40 PVC ROOF DRAIN PIPE DRAIN INCLUDING ALL NECESSARY FITTINGS. CONNECT TO MAINLINE STORM SEWER USING INSERTATEE. SITE CONTRACTOR TO COORDINATE WITH BUILDING AND PLUMBING CONTRACTOR. SEE DETAIL SHEET C-4.4.
22. INSTALL GAS SERVICE. CONTRACTOR SHALL COORDINATE INSTALLATION TO INSURE THE APPROPRIATE BENDS ARE INCORPORATED TO MAINTAIN A MINIMUM OF 1.0' CLEARANCE BELOW ALL STORM SEWER, WATER, AND WASTEWATER LINES OR SERVICES WHEN CROSSING. CONTRACTOR TO COORDINATE WITH GAS COMPANY.
23. COORDINATE GAS METER INSTALLATION WITH GAS COMPANY. CONTRACTOR TO MARK LOCATION OF METER ON WALL PRIOR TO GAS COMPANY ARRIVING ON-SITE.
- 23A. ELECTRIC COMPANY TO INSTALL POLE-MOUNTED TRANSFORMER.
27. INSTALL UNDERGROUND SECONDARY ELECTRIC SERVICE TO BUILDING (REFER TO MEP PLANS). INSTALL TRENCHING, 2-4" SCHEDULE 40 PVC CONDUITS AND 1-2" SCHEDULE 40 PVC CONDUIT, CT CABINET AND METER BASE. ALL ITEMS PER ELECTRIC COMPANY SPECIFICATIONS AND REQUIREMENTS.

PROVIDE TRENCHING: X CONTRACTOR — ELECTRIC COMPANY
 PROVIDE CONDUITS: X CONTRACTOR — ELECTRIC COMPANY
 INSTALL CONDUITS: X CONTRACTOR — ELECTRIC COMPANY
 PROVIDE CABLES: X CONTRACTOR — ELECTRIC COMPANY
 INSTALL CABLES: X CONTRACTOR — ELECTRIC COMPANY
 PROVIDE CT CABINET: X CONTRACTOR — ELECTRIC COMPANY
 INSTALL CT CABINET: X CONTRACTOR — ELECTRIC COMPANY
 PROVIDE METER BASE: X CONTRACTOR — ELECTRIC COMPANY
 INSTALL METER BASE: X CONTRACTOR — ELECTRIC COMPANY
 METER BASE INSTALLED ON: BUILDING
 CT CABINET INSTALLED ON: BUILDING

CONTRACTOR RESPONSIBLE TO FIELD VERIFY LOCATIONS AND ELEVATIONS OF EXISTING UTILITY TIE-INS AS SHOWN ON SITE PLANS (SANITARY, STORM, WATER, GAS, ELECTRIC, PHONE, ETC.) PRIOR TO THE START OF CONSTRUCTION. CONTACT ALLAN WILEY AT GBC DESIGN, INC., 330-836-0228, WITH ANY CONCERNS PRIOR TO THE START OF CONSTRUCTION.

SANITARY SEWER STRUCTURE SCHEDULE

- A. EX. STANDARD SAN. M.H. TOP 1030.01 (EX.) TOP 1035.15 (PROP.) INV. 1022.87, 8" S (EX.) INV. 1022.97, 8" NE (PROP.)
- B. EX. STANDARD SAN. M.H. TOP 1030.42 INV. 1023.34, 8" SE

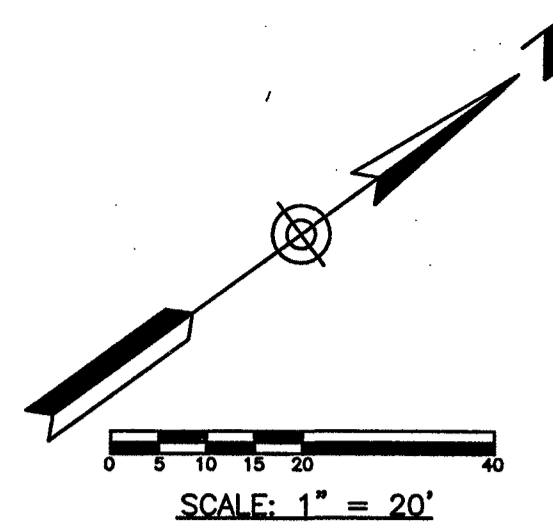
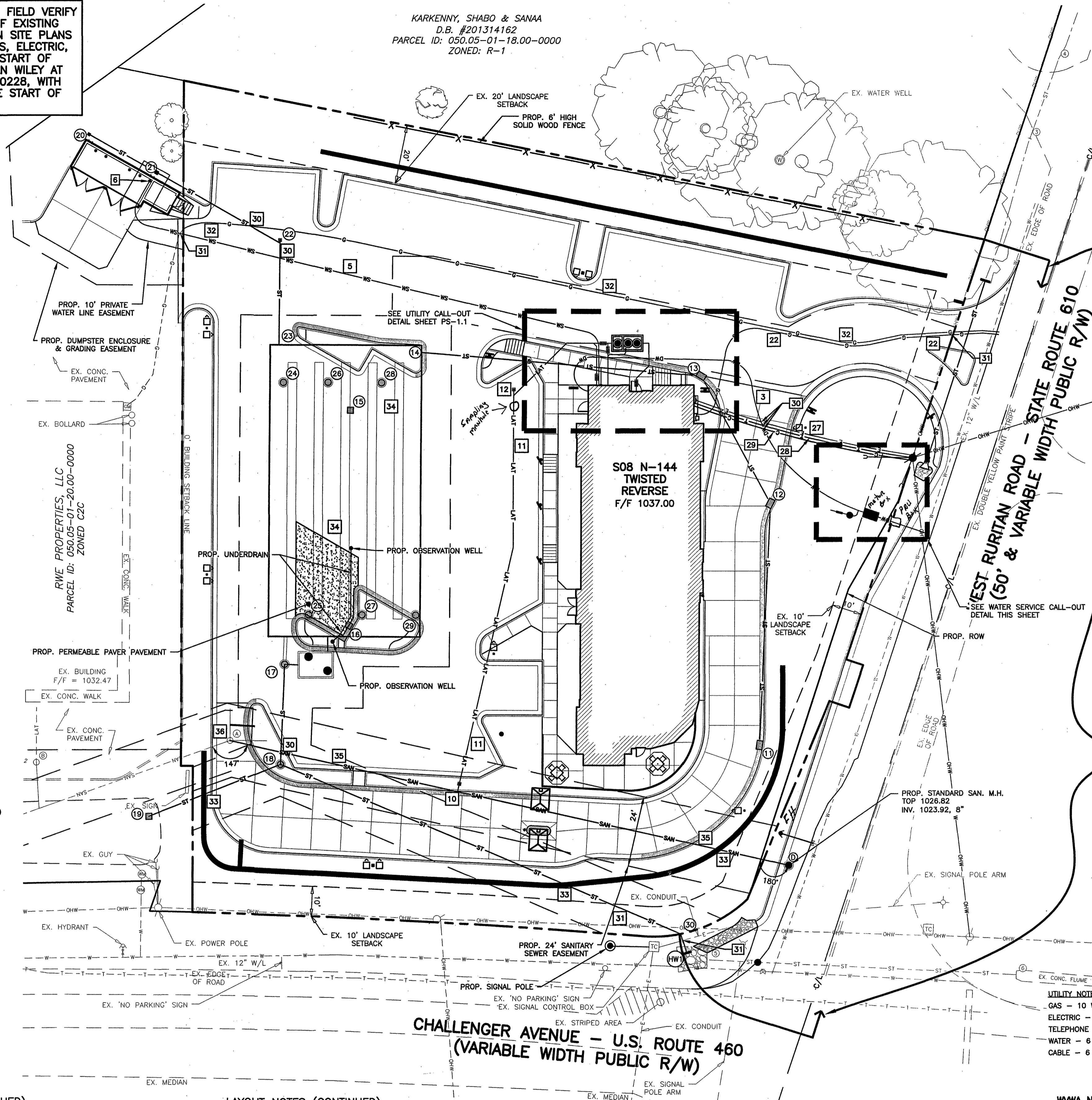
LAYOUT NOTES (CONTINUED)

28. INSTALL UNDERGROUND PRIMARY TELEPHONE SERVICE. CONTRACTOR TO INSTALL 1-4" SCHEDULE 40 PVC CONDUIT W/ SWEEPING 90'S AND W/PULL STRING FOR CABLE TELEPHONE COMPANY. A 4"x4"x3/4" PIECE OF PLYWOOD MUST BE IN PLACE PRIOR TO INSTALLATION OF THE SERVICE. ALSO A #6 GROUND MUST BE AVAILABLE. CONTRACTOR TO ALSO INSTALL AN ADDITIONAL SPARE 4" SCHEDULE 40 PVC CONDUIT PARALLEL TO THE TELEPHONE COMPANY'S CONDUIT FOR FUTURE USE BY CHICK-FIL-A.
29. INSTALL UNDERGROUND PRIMARY CABLE SERVICE. CONTRACTOR TO INSTALL 1-4" SCHEDULE 40 PVC CONDUIT W/ SWEEPING 90'S AND W/PULL STRING FOR CABLE COMPANY. A 4"x4"x3/4" PIECE OF PLYWOOD MUST BE IN PLACE PRIOR TO INSTALLATION OF THE SERVICE. ALSO A #6 GROUND MUST BE AVAILABLE. CONTRACTOR TO ALSO INSTALL AN ADDITIONAL SPARE 4" SCHEDULE 40 PVC CONDUIT PARALLEL TO THE CABLE COMPANY'S CONDUIT FOR FUTURE USE BY CHICK-FIL-A.
30. PROPOSED UTILITY CROSSING—CONTRACTOR TO MAINTAIN REQUIRED CLEARANCES.
31. EXISTING UTILITY CROSSING. CONTRACTOR TO VERIFY EXACT ELEVATIONS OF THE EXISTING UTILITY PRIOR TO THE START OF CONSTRUCTION. REPORT ANY CONFLICTS WITH PROPOSED UTILITIES TO GBC DESIGN, INC. PRIOR TO THE START OF CONSTRUCTION OF THE PROPOSED UTILITY. CONTRACTOR TO MAINTAIN REQUIRED CLEARANCES.

LAYOUT NOTES (CONTINUED)

32. PROPOSED RELOCATED GAS SERVICE TO A CLEANER WORLD. CONTRACTOR TO COORDINATE WORK WITH A CLEANER WORLD PROPERTY OWNER/BUILDING OPERATOR AND GAS COMPANY.
33. PROPOSED UTILITY CROSSING A RETAINING WALL FOUNDATION. SEE RETAINING WALL DETAIL PLANS FOR CROSSING DETAIL.
34. PROPOSED UNDERGROUND STORMWATER MANAGEMENT, SEE SHEET C-3.4 FOR DETAILS.
35. INSTALL 137.4 L.F. OF 8" DUCTILE IRON WITH PROTECTO 401 EPOXY (OR APPROVED EQUAL) SANITARY SEWER AT 0.50% CONTACT MARK SINK AT 540-537-3460 TO SCHEDULE INSPECTION OF CORING AND MAIN INSTALLATION.
36. EXISTING MANHOLE TO BE CORE DRILLED AND RUBBER BOOT INSTALLED. CONTACT MARK SINK AT 540-537-3460 TO SCHEDULE INSPECTION OF CORING AND MAIN INSTALLATION.

KARKENNY, SHABO & SANAA
 D.B. #201314162
 PARCEL ID: 050.05-01-18.00-0000
 ZONED: R-1



LEGEND

- | | |
|------------------------------------|------------------------------------|
| PROF. FDC | PROF. FDC |
| EX. FIRE HYDRANT | EX. FIRE HYDRANT |
| PROF. VALVE | PROF. VALVE |
| EX. VALVE | EX. VALVE |
| PROF. MANHOLE | PROF. MANHOLE |
| EX. STORM MANHOLE | EX. STORM MANHOLE |
| EX. SANITARY MANHOLE | EX. SANITARY MANHOLE |
| PROF. INLET | PROF. INLET |
| EX. CURB INLET | EX. CURB INLET |
| EX. TREE | EX. TREE |
| EX. POWER POLE | EX. POWER POLE |
| PROF. FENCE | PROF. FENCE |
| EX. CURB | EX. CURB |
| PROF. CURB | PROF. CURB |
| EX. CABLE T.V. LINE | EX. CABLE T.V. LINE |
| PROF. ELECTRIC LINE | PROF. ELECTRIC LINE |
| EX. ELECTRIC LINE | EX. ELECTRIC LINE |
| PROF. GAS LINE | PROF. GAS LINE |
| EX. GAS LINE | EX. GAS LINE |
| PROF. TELEPHONE LINE | PROF. TELEPHONE LINE |
| EX. TELEPHONE LINE | EX. TELEPHONE LINE |
| POLE MOUNTED SITE LIGHTING FIXTURE | POLE MOUNTED SITE LIGHTING FIXTURE |
| SAN | PROF. SANITARY SEWER |
| LAT | PROF. SANITARY LATERAL |
| SAN | EX. SANITARY SEWER (PRIVATE) |
| ST | PROF. STORM SEWER |
| RD | PROF. ROOF DRAIN |
| ST | EX. STORM SEWER |
| FW | PROF. FIRE WATER LINE |
| DW | PROF. DOMESTIC WATER LINE |
| WS | PROF. WATER SERVICE |
| W | EX. WATER LINE (PRIVATE) |

FOR RIGHT-OF-WAY IMPROVEMENTS, SEE "CHICK-FIL-A VDOT RIGHT OF WAY IMPROVEMENTS" PLANS PREPARED BY MATTERN AND CRAIG

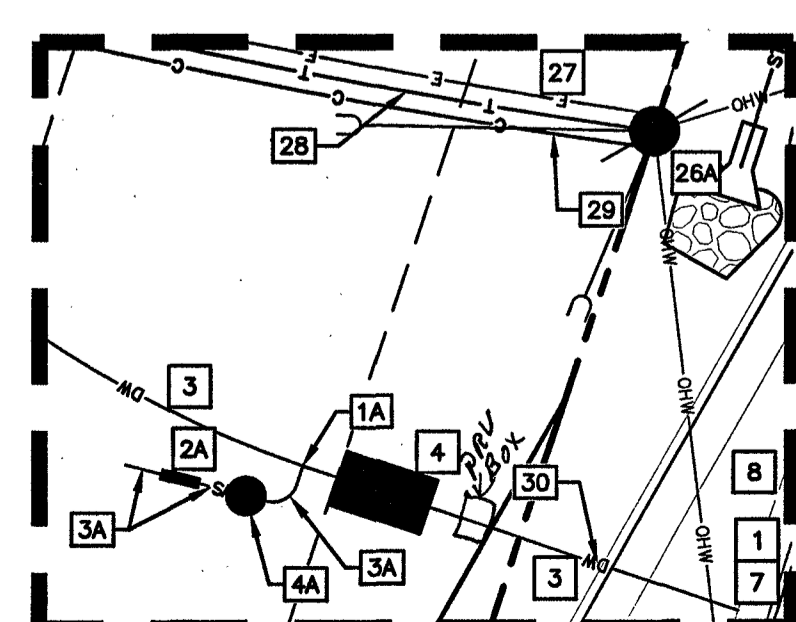
NOTE: CONTRACTOR TO PROVIDE AS-BUILT DRAWING OF DOMESTIC WATER SERVICE, FIRE PROTECTION AND IRRIGATION SERVICE.

SEE C-3.0 FOR STORM SEWER STRUCTURE AND PIPE INFORMATION

- UTILITY NOTES:
- GAS - 10 WEEKS NOTIFICATION REQUIRED FOR NEW SERVICE
 - ELECTRIC - 8 WEEKS NOTIFICATION REQUIRED FOR NEW SERVICE
 - TELEPHONE - 6 WEEKS NOTIFICATION REQUIRED FOR NEW SERVICE
 - WATER - 6 WEEKS NOTIFICATION REQUIRED FOR NEW SERVICE
 - CABLE - 6 WEEKS NOTIFICATION REQUIRED FOR NEW SERVICE

WWW NOTES

- ALL WORK PERFORMED WILL BE IN ACCORDANCE WITH THE APPROVED PLANS. ANY INSPECTIONS REQUIRED BY THE WWW WILL NEED TO BE COORDINATED WITH THE ASSIGNED INSPECTOR.
- ALL TAPS MUST BE SCHEDULED AT LEAST 48 HOURS IN ADVANCE.
- APPLICANT IS RESPONSIBLE FOR CONSTRUCTING THE PRIVATE PORTION OF THE SEWER (INCLUDING CLEAN-OUT) AND WATER SERVICES FROM THE MAIN TO THE BUILDING.
- APPLICANT SHALL NOT ALTER OR DISTURB PLUMBING CONNECTIONS WITHIN THE WATER METER BOX.
- APPLICANT IS RESPONSIBLE FOR CONFIRMING THAT THERE IS AT LEAST THREE FEET OF FALL FROM THE LOWEST FLOOR SERVED TO THE TOP OF THE SEWER MAIN. IF NOT, A PRIVATE PUMPING STATION WILL BE REQUIRED.
- FOR WORK BEING COMPLETED BY A CONTRACTOR, PLEASE CONTACT MARK SINK AT (540) 537-3460 TO SCHEDULE INSPECTION PRIOR TO BACKFILLING.
- THE APPLICANT MUST PROVIDE A COPY OF A RECORDED PRIVATE EASEMENT PRIOR TO ANY SERVICE CONSTRUCTION. THE EASEMENT MUST BE A MINIMUM OF TEN (10) FEET IN WIDTH.
- THE EXISTING MANHOLE TO BE CORED AND A RUBBER BOOT INSTALLED. PLEASE CALL MARK SINK TO SCHEDULE INSPECTION OF CORING AND THE LATERAL INSTALLATION BEFORE BEING BACKFILLED.
- PRIOR TO ANY EXCAVATION IN THE VICINITY OF THE AUTHORITY'S WATER MAIN, CONTACT THE AUTHORITY CONSTRUCTION INSPECTION OFFICE AT 537-3847.



WATER SERVICE CALL-OUT DETAIL

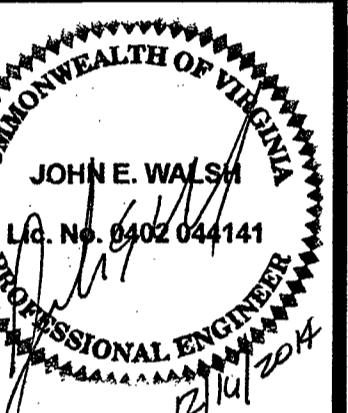
SCALE: 1" = 10'



Chick-fil-A

5200 Buffington Rd.
 Atlanta Georgia,
 30349-2998

NO.	DATE	BY	REVISION
1	10/27/2014	BCG	PER PLANNING COMMISSION
2	11/07/2014	BCG	PER PLANNING COMMISSION
3	12/12/2014	BCG	FOR CONSTRUCTION



GBC DESIGN, INC.
 565 White Pond Dr.
 Akron, OH 44320-1123
 Phone 330-836-0228 Fax 330-836-5782

STORE #3375
 Challenger Avenue
 S08 N-144-R Twisted
 Purchase Parcel

3814 Challenger
 Avenue NE
 Roanoke, VA 24012

SHEET TITLE
**PLUMBING
 SITE PLAN**

DWG EDITION V8.5
 REVISION 1-2014

Job No. : 46189D
 Store : 3375
 Date : 8/25/14
 Drawn By : B.A.W.
 Checked By: A.S.W.
 Sheet

PS-1.0