

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 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' 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.
- 26A ELECTRIC COMPANY TO INSTALL POLE-MOUNTED TRANSFORMER.

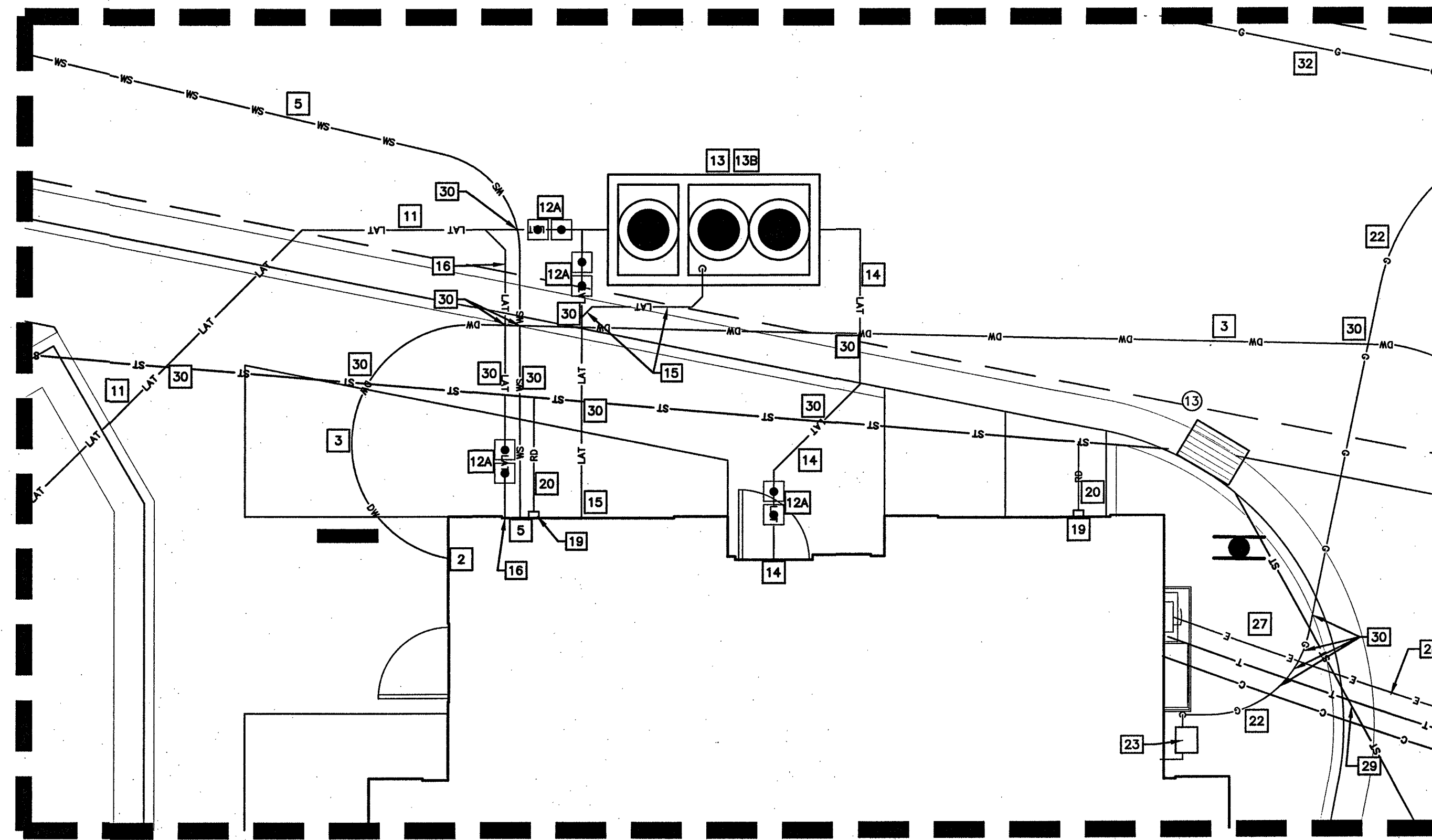
- 27 INSTALL UNDERGROUND SECONDARY ELECTRIC SERVICE TO BUILDING (REFER TO MEP PLANS). INSTALL TRENCHING, 2-4" SCHEDULE 40 PVC CONDUITS AND 1-2" SCHEDULE 40 PVC CONDUIT, CT CABINET AND METER BASE. ALL ITEMS PER ELECTRIC COMPANY SPECIFICATIONS AND REQUIREMENTS.
- | | | | | |
|-----------------------------------|---|------------|---|------------------|
| 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 | | | | |

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 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 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.

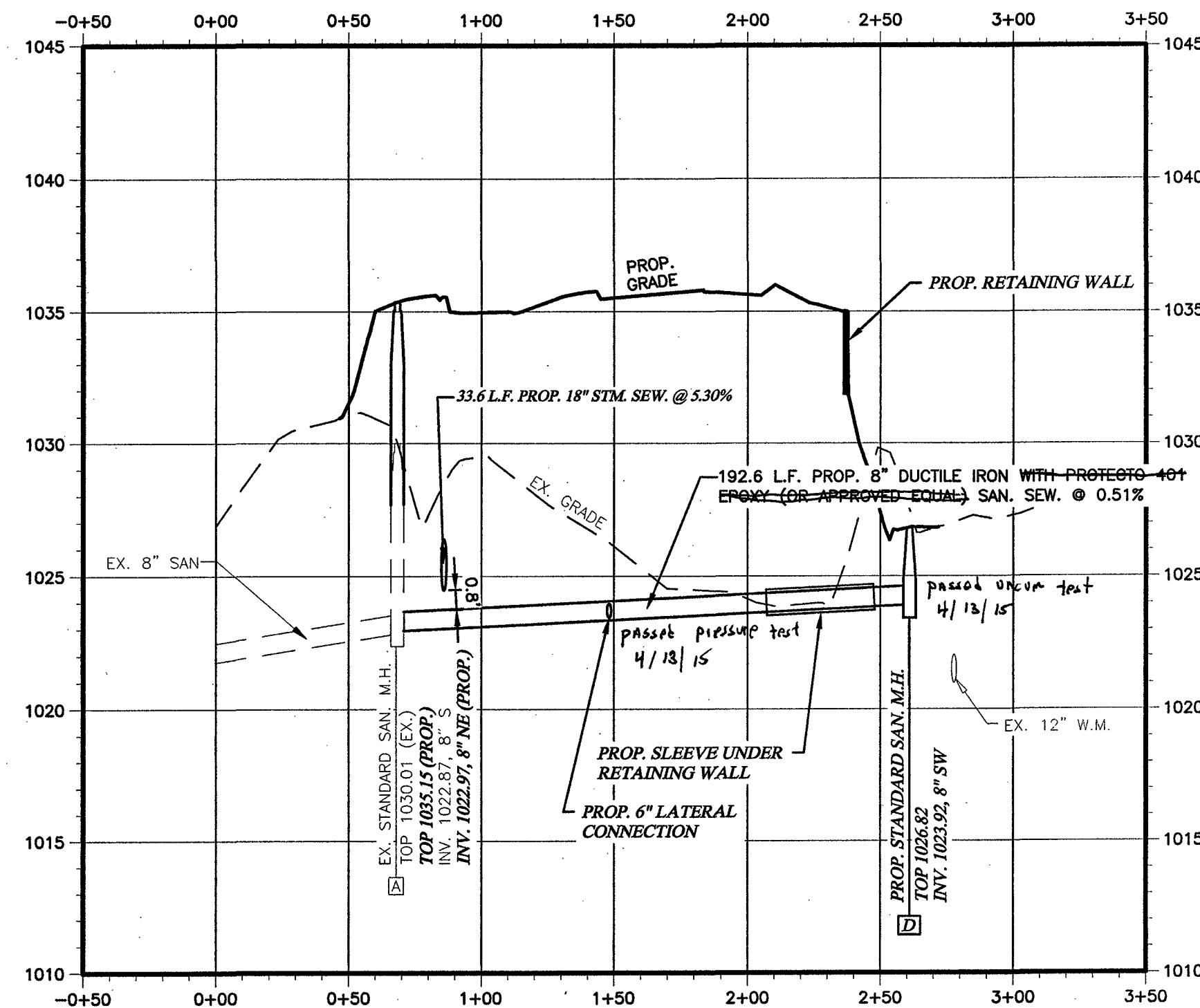
LAYOUT NOTES (CONTINUED)

- 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.

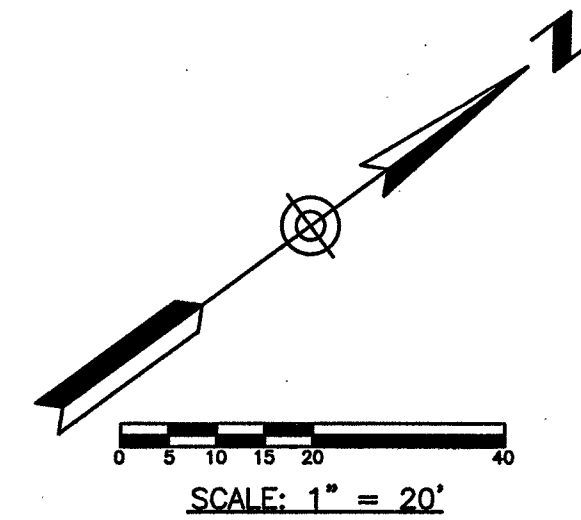


UTILITY CALL-OUT DETAIL
SCALE: 1" = 5'

Proposed Sanitary Sewer Profile



Pipe - Sewer
8" Ductile Iron
Class 350 - 60ft/min pipe
6" pie 50835 pipe for lateral - National pipe - plastic
pre cast manholes - Hanson
East Jordan water tight joint & cover
Water service
2" Copper - Type K



LEGEND

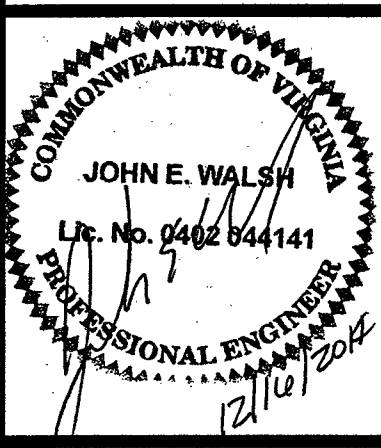
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|--|------------------------------------|
| | PROP. FDC |
| | EX. FIRE HYDRANT |
| | PROP. VALVE |
| | EX. VALVE |
| | PROP. MANHOLE |
| | EX. STORM MANHOLE |
| | EX. SANITARY MANHOLE |
| | PROP. INLET |
| | EX. CURB INLET |
| | EX. TREE |
| | EX. POWER POLE |
| | PROP. FENCE |
| | EX. CURB |
| | PROP. CURB |
| | EX. CABLE T.V. LINE |
| | PROP. ELECTRIC LINE |
| | EX. ELECTRIC LINE |
| | PROP. GAS LINE |
| | EX. GAS LINE |
| | PROP. TELEPHONE LINE |
| | EX. TELEPHONE LINE |
| | POLE MOUNTED SITE LIGHTING FIXTURE |
| | PROP. SANITARY SEWER |
| | PROP. SANITARY LATERAL |
| | EX. SANITARY SEWER (PRIVATE) |
| | PROP. STORM SEWER |
| | EX. STORM SEWER |
| | PROP. FIRE WATER LINE |
| | PROP. DOMESTIC WATER LINE |
| | PROP. WATER SERVICE |
| | EX. WATER LINE (PRIVATE) |



Chick-fil-A

5200 Buffington Rd.
Atlanta Georgia,
30349-2998

NO.	DATE	BY	REVISION
1	6/6/2014	GBC	PER PLANNING COMMISSION
2	6/17/2014	GBC	PER PLANNING COMMISSION
3	12/12/2014	GBC	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
DETAILS**

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-1.1

SEE C-3.0 FOR STORM SEWER
STRUCTURE AND PIPE INFORMATION

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.