



C120 CONSTRUCTION NOTES

- W - WATER SERVICE INFORMATION - LEE'S SUMMIT**
- 01 EXISTING 8" WATER MAIN LINE
 - 02 EXISTING 6" WATER LINE STUB
 - 03 CONNECT TO 6" WATER LINE STUB
 - 04 INSTALL 19 LF OF 6" C900 DR18 FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER 42" AND 6" GATE VALVE
 - 05 INSTALL BACKFLOW VAULT AND DEVICE
 - 06 INSTALL 92.5 LF OF 6" C900 DR18 FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER 42"
 - 07 INSTALL 135° ELBOW FITTING
 - 08 INSTALL 43.8 LF OF 6" C900 DR18 FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER 42"
 - 09 INSTALL 90° ELBOW FITTING
 - 10 INSTALL 13.7 LF OF 6" C900 DR18 FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER 42" AND 45° ELBOW FITTING
 - 11 INSTALL 10.2 LF OF 6" C900 DR18 FIRE PROTECTION LINE WITH MINIMUM DEPTH OF COVER 42" AND 45° ELBOW FITTING
 - 12 INSTALL 2.25 LF OF 6" C900 DR18 FIRE PROTECTION LINE WITH MINIMUM 42" DEPTH OF COVER & CONNECT TO BUILDING. SEE MEP PLANS FOR CONTINUATION.
 - 13 CONNECT AND INSTALL 7 LF OF 2" TYPE K SOFT COPPER DOMESTIC SERVICE LINE WITH THREADED CORP. STOP ONTO 6" C900 DR18 FIRE PROTECTION LINE. MINIMUM DEPTH OF COVER 42". THE FIRST 10 LF OF LINE AFTER THE METER ARE REQUIRED TO BE COPPER MATERIAL.
 - 14 INSTALL 2" DISPLACEMENT WATER METER.
 - 15 INSTALL 84.3 LF OF 2" HDPE DOMESTIC SERVICE PIPE, ASTM D2737 SDR-9 (200 PSI), POTABLE RATED, WITH TRACER WIRE WITH MINIMUM COVER OF 42".
 - 16 INSTALL 135° ELBOW FITTING
 - 17 INSTALL 66.2 LF OF 2" HDPE DOMESTIC SERVICE PIPE, ASTM D2737 SDR-9 (200 PSI), POTABLE RATED, WITH TRACER WIRE WITH MINIMUM 42" COVER.
 - 18 INSTALL 90° ELBOW FITTING
 - 19 INSTALL 18 LF OF 2" HDPE DOMESTIC SERVICE PIPE, ASTM D2737 SDR-9 (200 PSI), POTABLE RATED, WITH TRACER WIRE WITH MINIMUM 42" COVER AND 45° ELBOW FITTING.
 - 20 INSTALL 13.6 LF OF 2" HDPE DOMESTIC SERVICE PIPE, ASTM D2737 SDR-9 (200 PSI), POTABLE RATED, WITH TRACER WIRE WITH MINIMUM 42" COVER AND 45° ELBOW FITTING.
 - 21 INSTALL 3.6 LF OF 2" HDPE DOMESTIC SERVICE PIPE, ASTM D2737 SDR-9 (200 PSI), POTABLE RATED, WITH TRACER WIRE WITH MINIMUM 42" COVER AND CONNECT TO BUILDING. SEE MEP PLANS FOR CONTINUATION.
 - 22 FIRE DEPARTMENT CONNECTION LOCATION.
 - 23 CONNECT TO 6" C900 DR18 FIRE PROTECTION LINE AND INSTALL 74.4 LF OF 6" C900 DR18 FIRE LINE AND INSTALL FIRE HYDRANT.

- E - ELECTRIC SERVICE INFORMATION - EVERGY**
 CONTRACTOR TO CONTACT EVERGY FOR FINAL PLANS OF MASTER DEVELOPMENT FOR CONNECTION SPOT.
 CONTRACTOR TO INSTALL PRIMARY UNDERGROUND ELECTRIC SERVICE FROM EXISTING ELECTRIC STRUCTURE. CONTRACTOR TO INSTALL CONDUIT.
- 01 PROPOSED TRANSFORMER PAD.
 - 02 CONTRACTOR TO INSTALL SECONDARY UNDERGROUND ELECTRIC SERVICE LINE FROM PROPOSED TRANSFORMER TO BUILDING; REFER TO: ELECTRICAL PLAN.

- G - GAS SERVICE INFORMATION - SPIRE**
 CONTRACTOR TO CONTACT SPIRE FOR FINAL PLANS OF MASTER DEVELOPMENT CONNECTION SPOT.
- 01 EXISTING 4" GAS MAIN.
 - 02 TAP EXISTING GAS MAIN FOR SERVICE LINE; COORDINATE W/ SPIRE.
 - 03 INSTALL 130 LF GAS SERVICE LINE.
 - 04 INSTALL 111 LF GAS SERVICE LINE.
 - 05 INSTALL 6 LF GAS SERVICE LINE.
 - 06 GAS METER CONNECTION TO BLDG.; REFER TO: PLUMBING PLAN.

- ST - STORM SEWER INFORMATION - CITY OF LEE'S SUMMIT**
- 01 STORM SEWER LINE; REFER TO: SHEET C700-C701
 - 02 ROOF DRAINS; REFER TO: SHEET C702

- SS - SANITARY SEWER INFORMATION**
- 01 CONNECT TO EXISTING SANITARY STUB.
 FL = 1019.5'
 - 02 INSTALL 148.6 LF OF 4" PVC SDR 26 SANITARY SERVICE LINE @ 9.1% AND CONNECT INTO BUILDING. SEE MEP PLANS FOR CONTINUATION.
 FL = 1033.0'
 - 03 INSTALL 45° BEND
 FL = 1024.48'
 - 04 INSTALL 45° BEND
 FL = 1026.49'
 - 05 INSTALL WYE
 FL = 1027.76'
 - 06 INSTALL CLEAN OUT
 FL = 1032.55'
 - 07 INSTALL 82.2 LF OF 4" PVC SDR 26 SANITARY SERVICE LINE @ 2.57% AND INSTALL 45° BEND
 FL = 1029.87'
 - 08 INSTALL 85.9 LF OF 4" PVC SDR 26 SANITARY SERVICE LINE @ 2.57%; WYE AND CLEAN OUT
 FL = 1032.11'
 - 09 INSTALL HDPE GREASE INTERCEPTOR; REFER TO MEP PLANS
 - 10 INSTALL 26.35 LF OF 4" PVC SDR 26 SANITARY SERVICE LINE @ 2.57%; WYE AND CLEAN OUT
 FL = 1032.79'
 - 11 INSTALL 6.7 LF OF 4" PVC SDR 26 SANITARY SERVICE LINE @ 2.57% AND CONNECT TO BUILDING. SEE MEP PLANS FOR CONTINUATION.
 FL = 1033.0'
 - 12 2" VENT LINE; REF MEP PLANS.

UTILITY NOTES

1. Contractor shall refer to all specifications, guidelines, and installation drawings from Waterone, Spire, Spectrum/AT&T, JCW, City of Lee's Summit Storm, and Evergy for the installation of all service lines.
2. The information shown on these plans concerning the type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for contacting all utility companies for field location of all underground utility lines prior to any excavation and for making his own verification as to type and location of underground utilities as may be necessary to avoid damage thereto.
3. Contractor to ensure 6" minimum separation between utilities at crossings. Contractor to call engineer if any conflicts between utilities are found.
4. Fire Line Notes:
 - 4.1. All private fire lines shall be installed in accordance with NFPA 24, and other applicable codes and standards.
 - 4.2. Contact the Fire Department to schedule inspections prior to private fire lines being backfilled.
 - 4.3. Contact the Fire Department to witness scheduled hydrostatic tests and flushes of private fire lines.
5. Stub all connections to within 5' of the building to provide connection into the building by mechanic/plumbing contractor.
6. Contractor to ensure min. 18" vertical separation between utilities at crossing. Contractor to call engineer if any conflicts between utilities are found.
7. There are no oil and gas wells within the property per the Well Installation Section Drilling Information Map (WISDI) from MoDNR.

ARCHITECT OF RECORD

brr

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 B.C. is licensed in Kansas and Missouri.

CLIENT

PROJECT TITLE

Q39 (SHELL)
LEE'S SUMMIT, MO
 OLDHAM VILLAGE
 LEE'S SUMMIT, MO

PROJECT NUMBER	62910099
PROJECT MANAGER	DAVID BY
DESIGNED BY	BRR
PROFESSIONAL SEAL	



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ISSUES AND REVISIONS

NUMBER	DATE	ORIGINAL ISSUE	DESCRIPTION
1	06/20/20		ADDENDUM 1
2	10/15/20		ADDENDUM 2
3	11/11/20		ADDENDUM 3
4	11/15/20		ADDENDUM 4
5	02/27/2021		PP1

SHEET NAME

UTILITY PLAN

SHEET NUMBER

C800