



ROOF DRAIN PROFILE

EXISTING CONDITIONS LEGEND

---	PROPERTY LINES
- - -	RIGHT-OF-WAY LINES
- - -	EASEMENT LINES
P-OH	OVERHEAD ELECTRIC
P-UG	UNDERGROUND ELECTRIC
TEL	UNDERGROUND TELEPHONE
FO	UNDERGROUND FIBER OPTIC
G	GAS LINE
W	WATER LINE
SS	STORM SEWER LINE
SS	SANITARY SEWER LINE

PROPOSED CONDITIONS LEGEND

E	PROPOSED UNDERGROUND ELECTRIC
FO	PROPOSED FIBER OPTIC
W	PROPOSED WATER LINE
FP	PROPOSED FIRE PROTECTION LINE
SD	PROPOSED STORM SEWER LINE
T	PROPOSED TURF DRAIN LINE
SS	PROPOSED SANITARY SEWER SERVICE
	CONCRETE CURB & GUTTER
	PROPOSED BUILDING

UTILITY KEYNOTES:

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WATER

- W-1 EXISTING 2" SERVICE LINE TO REMAIN
- W-2 EXTEND EXISTING SERVICE BY INSTALLING 181 LF OF 2" POLYETHYLENE PIPE (AWWA C901) TO PROPOSED BUILDING
- W-3 CONTRACTOR TO CONFIRM DEPTH OF EXISTING WATER LINE. RELOCATE IF NECESSARY AND MAINTAIN 42" MINIMUM DEPTH.
- W-4 EXISTING WATER METER TO REMAIN.

NOTE: THE IRRIGATION TAP AND METER WILL BE LOCATED INSIDE OF THE BUILDING. REF: MEP AND LANDSCAPE PLANS

FIRE PROTECTION

- FP-1 EXISTING 6" FIRE SERVICE TO REMAIN
- FP-2 INSTALL 6x6x6 TEE ON EXISTING FIRE PROTECTION LINE
- FP-3 EXISTING BACK FLOW PREVENTOR TO REMAIN.
- FP-4a INSTALL 246 LF OF AWWA C900 6" FIRE LINE W/HYDRANT AND GATE VALVE
- FP-4b INSTALL 247 LF OF AWWA C900 6" FIRE LINE W/RELOCATED HYDRANT AND GATE VALVE
- FP-5 RELOCATE EXISTING HYDRANT
- FP-6 INSTALL 2 LF OF AWWA C900 6" FIRE LINE W/REMOTE FIRE DEPARTMENT CONNECTION (4" STORZ TYPE FITTING) DIRECTLY ADJACENT TO BUILDING
- FP-7 CONTRACTOR TO CONFIRM DEPTH OF EXISTING FIRE LINE. RELOCATE IF NECESSARY AND MAINTAIN 42" MINIMUM DEPTH
- FP-9 INSTALL KNOX BOX

SANITARY SEWER

- SS-1 INSTALL 21 LF 4" PVC SERVICE @ 10.87% (FL=967.77)
- SS-2 INSTALL STANDARD CLEANOUT (FG=971.04,FL=965.49) AND INSTALL 26 LF 4" PVC SERVICE @ 10.87%
- SS-3 CONNECT TO EXISTING WYE ON THE EXISTING 8" MAIN (APPROX. FL=962.68)

STORM SEWER (REF: C7.0-C7.2 FOR STORM SEWER PLANS AND PROFILES)

- ST-1 INSTALL 3500 SF SCOUR STOP HDPE TRANSITION MAT PER MANUFACTURER'S SPECIFICATION
- ST-2 CONSTRUCT CONTROL STRUCTURE WITH 2 LF OF 30" HDPE AND FLARED END SECTION WITH TRASH RACK PER DETAIL
- ST-3 EXTENDED DRY DETENTION BASIN
- ST-4 INSTALL STD 24" FLARED END SECTION
- ST-5 ROOF DRAINS TO DETENTION BASIN
  - a 10" ROOF DRAIN FROM BUILDING REF: PLUMBING PLANS
  - b 12" ROOF DRAIN FROM BUILDING REF: PLUMBING PLANS
  - c INSTALL 18" CATCH BASIN AND 96 LF OF 10" HDPE PIPE
  - d INSTALL 24" CATCH BASIN AND 25 LF OF 18" HDPE PIPE W/END SECTION
- ST-6 AREA DRAINS (8" HDPE AND NYLOPLAST CATCH BASINS)
  - a INSTALL 18" CATCH BASIN (FG=971.05, FL=968.05) AND 45 LF OF 8" HDPE PIPE
  - b INSTALL 18" CATCH BASIN (FG=971.05, FL=968.05) AND 8 LF OF 8" HDPE PIPE
  - c INSTALL 18" CATCH BASIN (FG=971.05, FL=967.60) AND 54 LF OF 8" HDPE PIPE AND CONNECT TO PROPOSED INLET (FL=967.06)

POWER

- P-1 PRIMARY SERVICE - COORDINATE WITH EVERGY.
- P-2 PROPOSED TRANSFORMER LOCATION COORDINATE WITH EVERGY AND MEP.

GAS

- G-1 NOT USED.
- G-2 INSTALL 2 1/2" GAS SERVICE TO PROPOSED BUILDING.
- G-3 RELOCATE EXISTING GAS MAIN AROUND PROPOSED BFP VAULT

COMMUNICATION

- C-1 RELOCATE EXISTING FIBER LINE (COORDINATE WITH UTILITY PROVIDER)

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SPECIAL NOTICES

In the event the client consents to allow, authorize or approve of changes to any plans, specifications or other construction documents, and these changes are not approved in writing by the design professional, the client recognizes that such changes and the results thereof are not the responsibility of the design professional. Therefore, the client agrees to release the design professional from any liability arising from the construction, use or result of such changes. In addition, the client agrees to the fullest extent permitted by law, to indemnify and hold the design professional harmless from any damage, liability or cost (including reasonable attorney's fees and costs of defense) arising from such changes.

The personal seal of the registered Architect or Engineer shall be the legal equivalent of his signature wherever & whenever used, and the owner of the seal shall authenticate this seal and the specification sections pertaining to this sheet. Responsibility shall be disclaimed for all other plans, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural project.

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CONSTRUCTION DOCUMENTS FOR  
**COLBERN ROAD BRANCH**  
1000 N.E. COLBERN ROAD  
LEE'S SUMMIT, MO 64086  
JACKSON COUNTY

Engineer of Record

ISSUE FOR  
CONSTRUCTION  
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Revision No.	Description	Date
1	CITY COMMENTS	03.19.20
2	CITY COMMENTS	04.08.20

Project No.	Date	Drawn
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Drawing No.

**C6.0**  
UTILITY PLAN