

Gas Construction Notes

(G1) Connect 4" gas service line to existing gas

(G3) Install 45° bend, install 218 LF 4" gas

Northwest

service line West

Trade Contractor to coordinate installation with Laclede Gas

main, install 292.5 LF 4" gas service line West

(U2) Install 170 LF 4" HDPE Perforated Underdrain with

(U3) Install 273 LF 4" HDPE Perforated Underdrain with

minimum cover, connect to structure 103

G2) Install 45° bend, install 281 LF 4" gas service line minimum cover, connect to structure 102 via 4"x4"x4" tee.

Washington with Geotextile (W23) Water line crosses over top of sanitary

cover, connect to structure 102

Geotextile sock, slope to drain @ minimum 1% with 18"

Geotextile sock, slope to drain @ minimum 1% with 18"

sock, slope to drain @ minimum 1% with 18" minimum

(W20) Install 91.50 LF 6" PVC Fire Protection

(W22) Install 6" Valve—See Details

Water Line, Connect to building stub

line. Maintain minimum 18" clearance

(W21) Install Fire Hydrant with Valve-See Details

ST11) Install 69.20 LF 6" HDPE pipe @ 4.45% to S12

ST13) Connect 5 LF 6" HDPE pipe @ 4.45% via tee

HDPE pipe @ 1.9% to ST17

©T1♠ Install Cleanout

\$T15 Install 45° bend

ST12 Connect 6" HDPE to downspout per detail, [=611.00]

connection $f_{\overline{k}}=609.53$, to downspout $f_{\overline{k}}=609.75$

ST16) Install Wye Connection, E=609.93, Install 57.05 LF 6"

2. All HDPE Pipe shall be ADS N—12 with water tight gaskets. (As bid alternate)

5. All work shall conform to City of O'Fallon standards.

All in grade inlets shall match adjacent slope.

10. All PVC for storm sewer shall be SDR 26.

prior to casting.

Storm sewer lengths are calculated from center of structure to center of structure.

9. All proposed precast storm structures shall be precast to accept all pipe connections. 🛆

4. All pipe connections to Inlets shall occur at center of structure wall unless specifically noted otherwise.

8. All underdrain shall be ADS N-12 or approved equal. All fittings shall be considered subsidiary to bid.

6. Precast structures shall be constructed with 4,000 psi concrete. Shop drawings shall be submitted to the Engineer for review

architects engineers

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Electric Construction Notes

(E1) Install 4" Schedule 40 PVC Electrical Conduit. Trade Contractor to Coordinate electrical utility construction with Améren. See Electrical

under storm sewer (E3) 3'x5' Fibercrete Vault

(E4) Transformer Pad w/ pipe bollard protection. Coordinate w/ Ameren. Construct Eight (8) pipe bollards surrounding transformer. See Ameren Specification Underground Lines Instruction 59 81

(11) Install 32 LF± 4" Schedule 40 PVC Irrigation sleeve (12) Install 11 LF± 4" Schedule 40 PVC Irrigation sleeve

(13) Install 32 LF± 4" Schedule 40 PVC Irrigation sleeve (14) Install 38 LF± 4" Schedule 40 PVC Irrigation sleeve

40 PVC Irrigation sleeve (16) Install 43 LF± 4" Schedule 40 PVC Irrigation sleeve

40 PVC Irrigation sleeve (18) Install 35 LF± 4" Schedule 40 PVC Irrigation sleeve

40 PVC Irrigation sleeve (110) Install 31 LF± 4" Schedule 40 PVC Irrigation sleeve (111) Install 43 LF± 4" Schedule 40 PVC Irrigation sleeve

(112) Install 40 LF± 4" Schedule 40 PVC Irrigation sleeve (113) Install 58 LF± 4" Schedule 40 PVC Irrigation sleeve

(114) Install 35 LF± 4" Schedule 40 PVC Irrigation sleeve (115) Install 41 LF± 4" Schedule

40 PVC Irrigation sleeve

<u>General Utility Notes:</u>

Numerous existing utilities are on site. Contractor shall be responsible for locating all All existing utility vaults, lids, valves, etc. shall be adjusted All utilities located within pub Right of Way shall adhere to all applicable City of O'Fallon Any pavement, curb, pavers,

landscape, etc. disturbed by utility services or other construction incidental to the improvements shown on these plans shall be repaired to like or better condition.

for any temporary traffic control required for utility work.

Existing Sanitary Sewer ——— 2" DW ———— Proposed Domestic Water Line Proposed Fire Protection Line Existing Light Poles Existing Water Valve

Existing Fire Hydrant

Existing Storm Sewer Proposed Fire Hydrant

Proposed Water Valve

Note: Future Development to the north will

necessitate revisions to the detention basin

outflow structure as presently designed.

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PROJECT NUMBER

13326.00

DATE

04/15/16

CONSTRUCTION DOCUMENTS

SHEET TITLE

Utility Plan

SHEET NUMBER

C5.0

Land Surveying COA# 000059

DESIGNED: HTR/JWM/JRH

DRAWN: HTR/JWM/JRH

REVIEWED: HTR/BDB

DESCRIPTION

3/25/2016 | City Comments

4/15/2016 | City Comments