

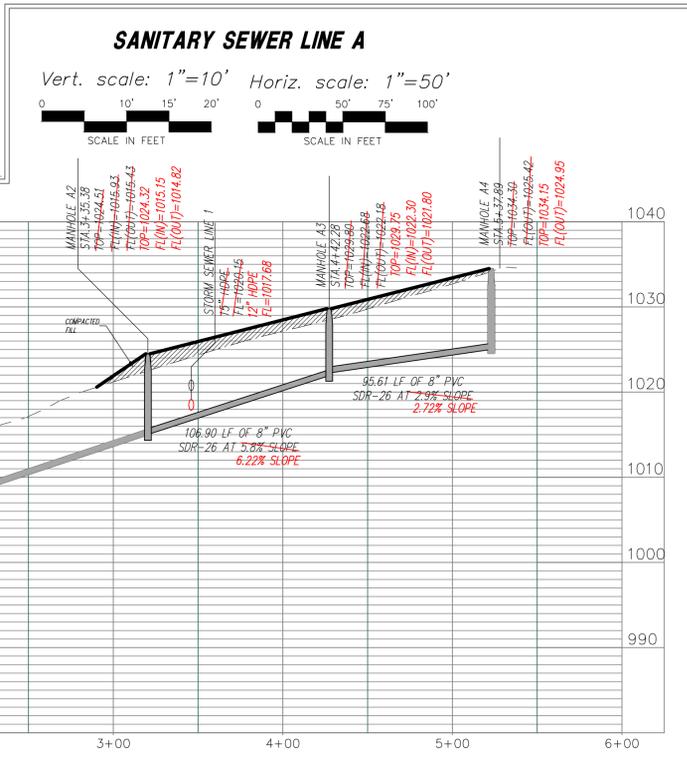
- SANITARY SEWER NOTES:**
- All construction shall meet APWA, MoDNR and City of Lee's Summit Standards and Specifications.
 - All inspection of sanitary sewer construction shall be performed by the City of Lee's Summit Engineering Department.
 - All pipe lengths, slopes and stationing are from center of manhole to center of manhole.
 - Adjust tops of manholes to match finish grade upon completion of work.
 - All manholes shall be "Pre-Cast" type. See Sanitary Sewer Detail sheet.
 - See Sanitary Sewer Detail sheet for structure details.
 - A minimum of two (2) feet of clearance shall be provided where a sanitary sewer crosses below a storm sewer. At points where sanitary sewers cross water mains with less than two (2) feet of clearance, the sanitary sewer shall cross under the water main and shall be made of ductile iron pipe or concrete pipe, or encased in concrete for a minimum distance of 10 feet in each direction. The crossing shall be arranged so that the sewer joints will be equal distance as far as possible from water main joints.
 - All trenching under proposed driving surfaces shall have rock backfill.
 - Contractor shall verify the exact location and depth of all existing utilities prior to construction.
 - Sanitary sewer line directions are shown as Azimuths.
 - F/L = Flow line at end of lateral.
 - MBF = Minimum Basement Floor Elevation. MBF is based on sanitary sewer elevation. MBF to be raised 2' above highest rear corner elevation if walkout is desired.
 - Sanitary sewer service laterals shall be staked at the end of the lateral for location and elevation.
 - Two way cleanouts to be provided at the property line on all laterals.
 - No portions of proposed tracts are located within the 100-year Flood Boundary as shown on the National Flood Insurance Program, FIRM, Flood Insurance Rate Map, Jackson County, Missouri and Incorporated Areas, Panel Number 419 of 625, Map Number 29095C0419G, effective date January 20, 2017.
 - Compacted Fill shall be placed to a minimum 18" above the top of the pipe prior to installation.

- UTILITY MARKERS:**
- Utility marker tape shall be minimum 2 inches wide, 4-mil thick green plastic tape with the word "SEWER" lettered in permanent black graphics.
 - In addition to utility marker tape, PVC and HDPE force main shall have a tracer wire installed along the top of the pipe. The wire shall be insulated, no smaller than 12 gauge, and for underground applications. Splices in wiring shall be made with epoxy/silicon splice connector.
 - Tracer wire shall be installed along the top of service laterals. The tracer wire shall have HDPE insulation, be no smaller than 12 gauge, and intended for underground applications. The tracer wire shall be green in color. Tracer wires shall terminate at 3500 11 Rev 01/06/16 the ground surface inside a tracer box. Tracer box lids shall be green in color. Tracer wire shall be grounded to a minimum one pound magnesium anode at the sewer line.

PROJECT BENCHMARK:
Steel rod and cap stamped "ET ARCHER"
on North West property corner.
Elev = 1020.29

Contractor to verify all invert elevations for existing sewer connections. Contact civil engineer if conflict arises.

AS BUILT



NO.	BY	DATE	REVISION

DATE: 2/6/2020

Consult Inc engineers
PLANNERS

8

SANITARY SEWER LINE A
STA. 0+00 - STA. 5+34.98

GOPPERT ACRES, 2ND PLAT
LEES SUMMIT - JACKSON COUNTY - MISSOURI

X-REF NO.
42259_TOPO

DRAWING NO.
1802B

DATE
FEBRUARY 7, 2019

SHEET NO.
1802B

3 OF 11