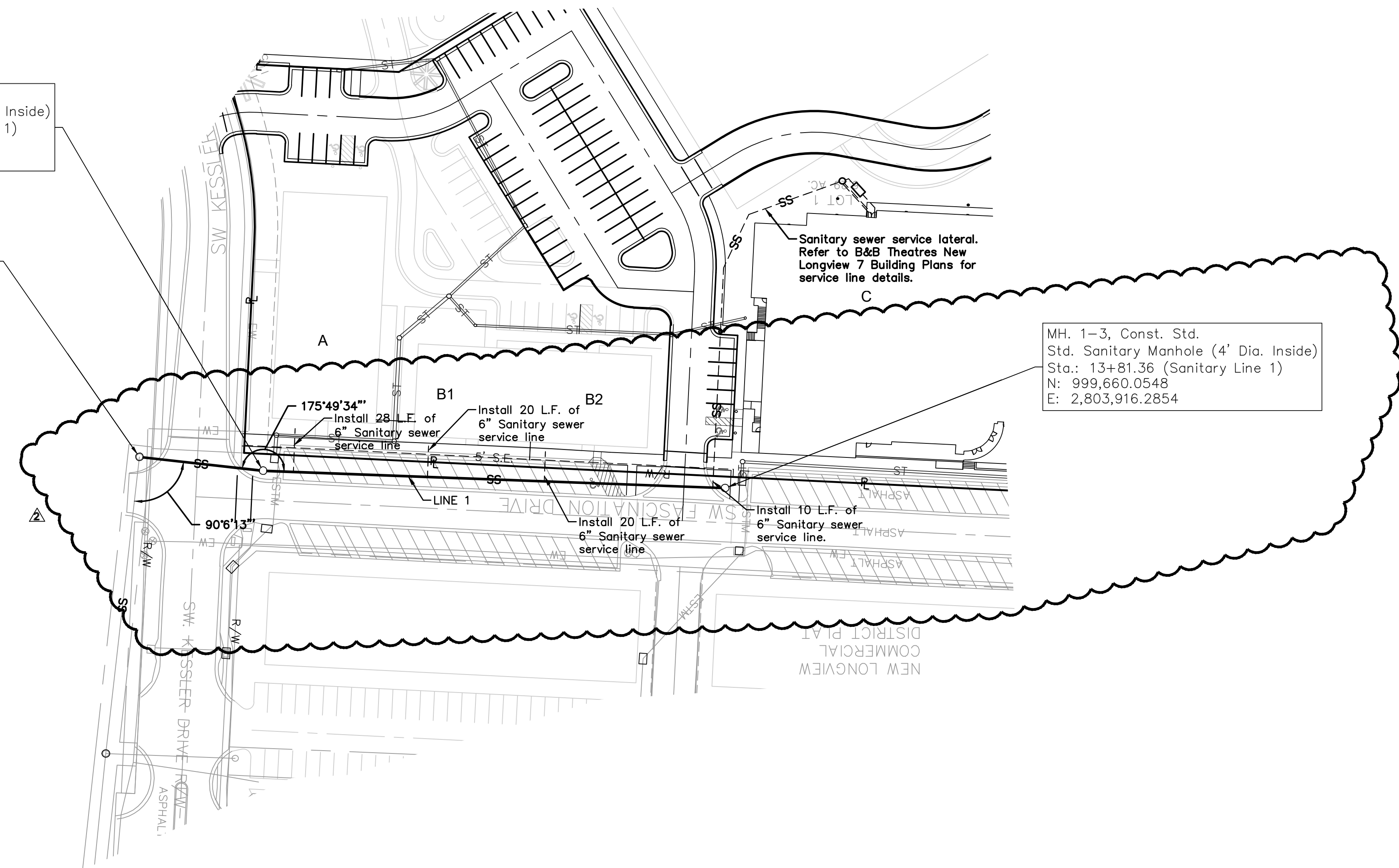


DWG: F:\2017\0001-0500\017-0387\40-Design\AutoCAD\Final Plans\Sheets\CNCV\01\_Sanitary\_36x24\C\_SAN01\_L16-0217.dwg  
 DATE: Apr 05, 2017 9:16am USER: jbellers

MH. 1-2, Const. Std.  
 Std. Sanitary Manhole (4' Dia. Inside)  
 Sta.: 10+80.90 (Sanitary Line 1)  
 N: 999,648.7824  
 E: 2,804,216.5362

EX. MH. #35-324, Connect to Existing  
 Std. Sanitary Manhole (4' Dia. Inside)  
 Sta.: 10+00.00 (Sanitary Line 1)  
 N: 999,639.7855  
 E: 2,804,296.9329

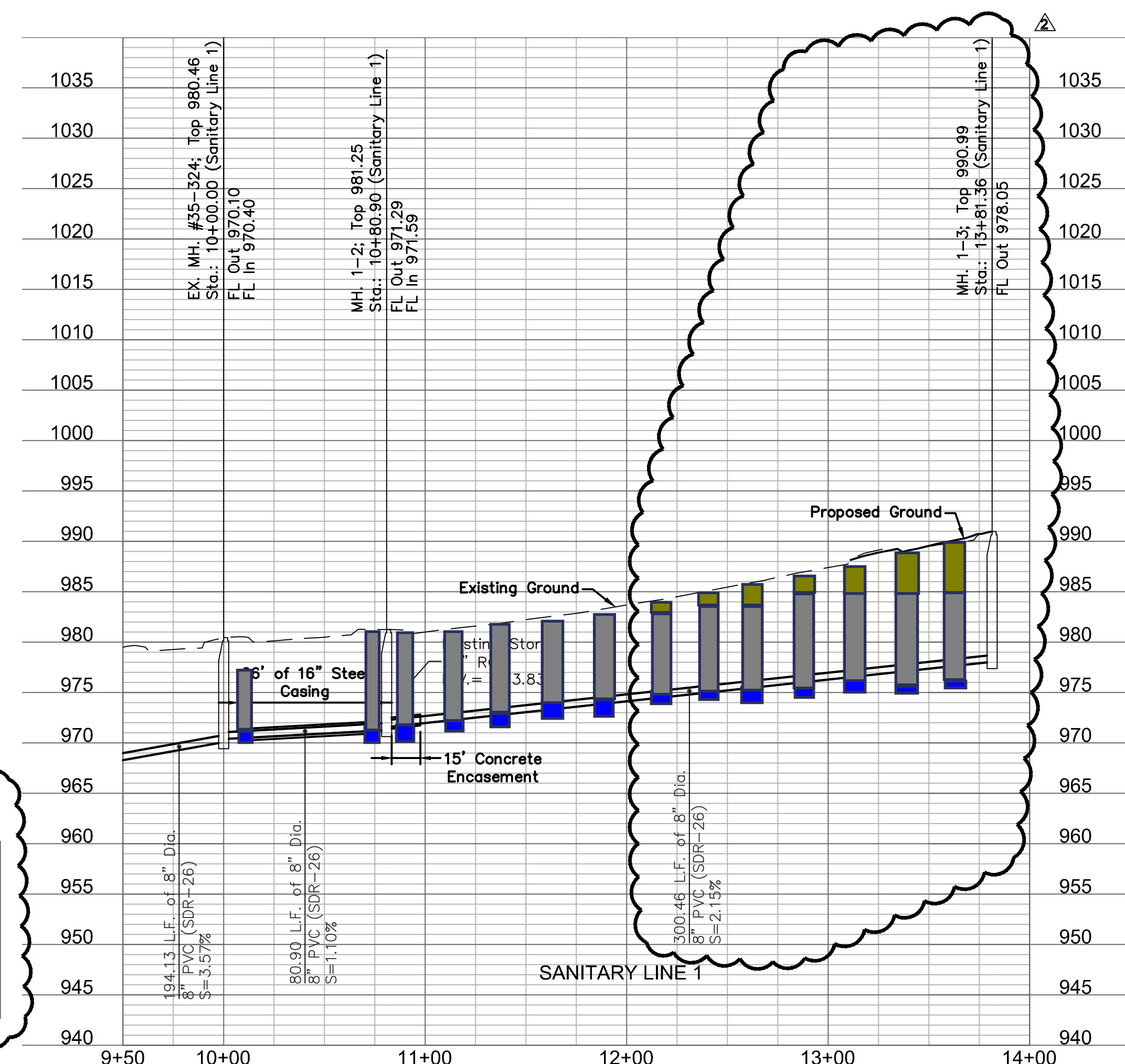
MH. 1-3, Const. Std.  
 Std. Sanitary Manhole (4' Dia. Inside)  
 Sta.: 13+81.36 (Sanitary Line 1)  
 N: 999,660.0548  
 E: 2,803,916.2854



**NOTES:**  
 SANITARY SEWER LINE CROSSING AT KESSLER DRIVE SHALL BE BORED AND CASED. CASING SHALL BE PROVIDED PER LEE'S SUMMIT DESIGN AND CONSTRUCTION MANUAL SECTION 3501.0.  
 ALL SERVICE LINE CONNECTIONS SHALL BE MADE WITH AN 8"x6" PVC WYE, 6" PVC 45° BEND, OR AN 8"x6" TEE, AND THE APPROPRIATE LENGTH OF 6" PVC LATERAL (UNLESS OTHERWISE SHOWN) AND CAP.  
 MAXIMUM DEVIATION FROM LATERAL STATION LOCATIONS AS CALLED OUT SHALL BE 2.0' TO AVOID PIPE JOINT.  
 SANITARY LATERALS ARE DESIGNED @ 2.00% SLOPE. IF RISER IS INDICATED, IS TO BE AT THE SANITARY MAIN, UNLESS OTHERWISE NOTED.  
 TRENCH CHECKS SHALL BE PROVIDED IN ACCORDANCE WITH STANDARD LEE'S SUMMIT TRENCH CHECK DETAIL (SHEET C205) ON ALL PRIVATE SANITARY SEWER SERVICE LATERALS.

Lot Number	Lateral Station	Lateral Length (ft)	Riser (ft)	Flowline at End of Lateral (ft)	Minimum Servicable Floor Elevation (ft)
A	11+00.65	28.00	0.0	973.6	976.19
B1	11+87.84	20.00	3.0	978.2	980.85
B2	12+63.84	20.00	3.0	979.9	982.48
C	13+73.45	10.00	0.0	979.1	986.58

Upstream Manhole	Downstream Pipe Slope (%)	Downstream Pipe Diameter (in)	Proposed Cumulative Area (Ac.)	Future Cumulative Area (Ac.)	Minimum Hourly Peak Design Flow (cfs/ac)	Proposed Cumulative Peak Flows (cfs)	Future Cumulative Peak Flows (cfs)	Downstream Pipe Manning's N	Downstream Pipe Capacity (cfs)	Downstream Pipe Full Flow Velocity (fps)
EX MH #35-324	3.57%	8	0.52	1.23	0.02	0.008	0.026	0.013	2.28	6.54
MH 1-2	1.10%	8	0.52	1.23	0.02	0.008	0.026	0.013	1.27	3.63
MH 1-3	2.15%	8	0.52	1.23	0.02	0.008	0.026	0.013	1.77	5.08



**PLAN LEGEND:**

**UTILITY LINES**

- ECTV EXISTING CABLE TV, UNDERGROUND
- CTV PROPOSED CABLE TV, UNDERGROUND
- FCV FUTURE CABLE TV, UNDERGROUND
- EOH EXISTING ELECTRIC, OVERHEAD
- EE EXISTING ELECTRIC, UNDERGROUND
- EOH PROPOSED ELECTRIC, OVERHEAD
- E PROPOSED ELECTRIC, UNDERGROUND
- FEH FUTURE ELECTRIC, OVERHEAD
- FE FUTURE ELECTRIC, UNDERGROUND
- EFO EXISTING FIBER OPTIC, UNDERGROUND
- FO PROPOSED FIBER OPTIC, UNDERGROUND
- FFO FUTURE FIBER OPTIC, UNDERGROUND
- EG EXISTING GAS LINE
- G PROPOSED GAS LINE
- FG FUTURE GAS LINE
- ESS EXISTING SANITARY SEWER
- SS PROPOSED SANITARY SEWER
- FS FUTURE SANITARY SEWER
- ESS EXISTING STORM SEWER
- SS PROPOSED STORM SEWER
- FS FUTURE STORM SEWER
- TEL EXISTING TELEPHONE, UNDERGROUND
- TEL PROPOSED TELEPHONE, UNDERGROUND
- FWL EXISTING WATER LINE
- W PROPOSED WATER LINE
- FWL FUTURE WATER LINE

**MOLSSON ASSOCIATES**  
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 Professional Engineer  
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 State of Missouri

**REVISIONS**

NO.	REV.	DATE	DESCRIPTION
1		08.09.2017	Layout change per my comments
2		08.23.2017	Lateral in correction to stated or alignment change.

**SANITARY SEWER PLAN PROFILE**  
 B B THEATRES NEW LONGVIEW 7  
 LEE'S SUMMIT, MO

2017

SHEET C204