





REV. 9/2/05 REV. 10/21/05
REV. 11/11/05 REV. 12/9/05
REV. 1/20/06 REV. 10/04/06

CONTRACTOR TO NOTIFY M&DT TRAFFIC DIVISION TO LOCATE ANY EXISTING SIGNAL AND LIGHTING UNDERGROUND CABLES OR WIRES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR EARTHWORK.

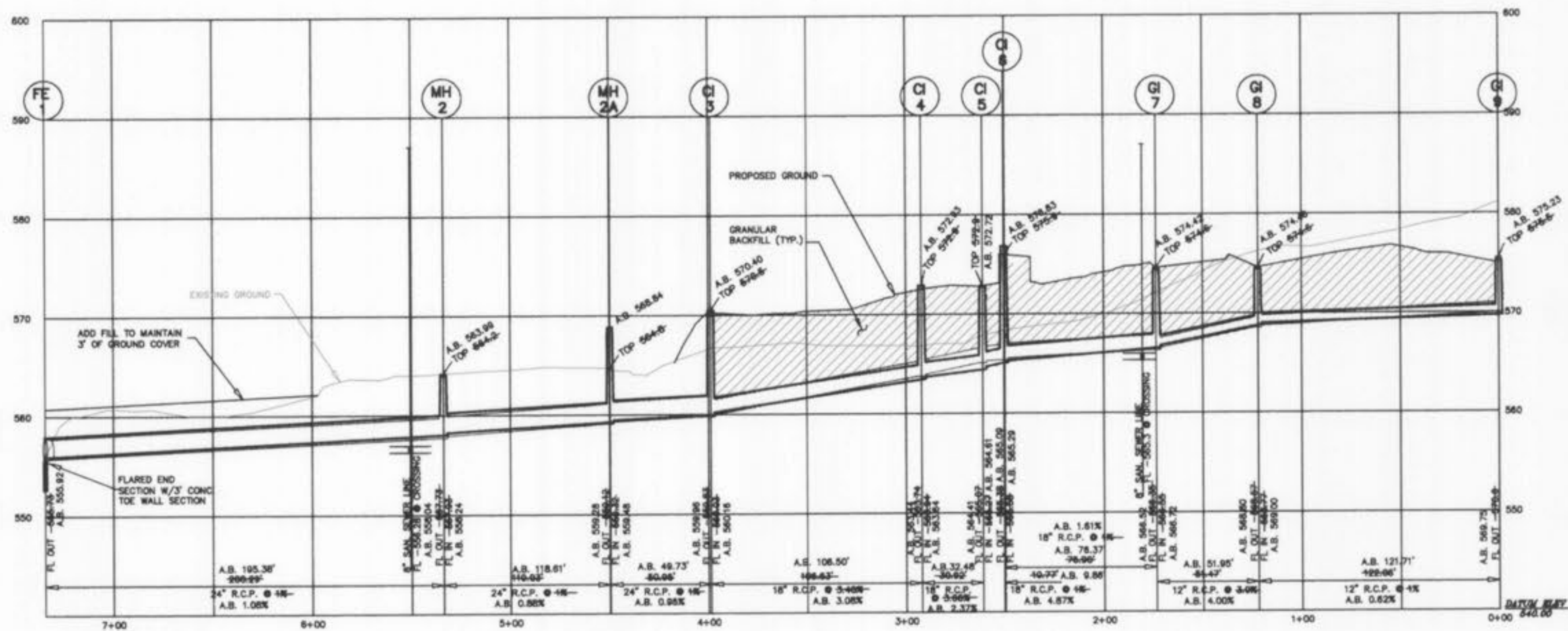


Missouri One Call System, Inc. Call Before You Dig! 1-800-DIG-RITE (1-800-344-7483)

All the improvements, facilities and utilities shown above ground and underground shown herein were plotted from available information and do not necessarily reflect the actual existence, construction, location, size, type, number or location of these or other improvements, facilities, or utilities.

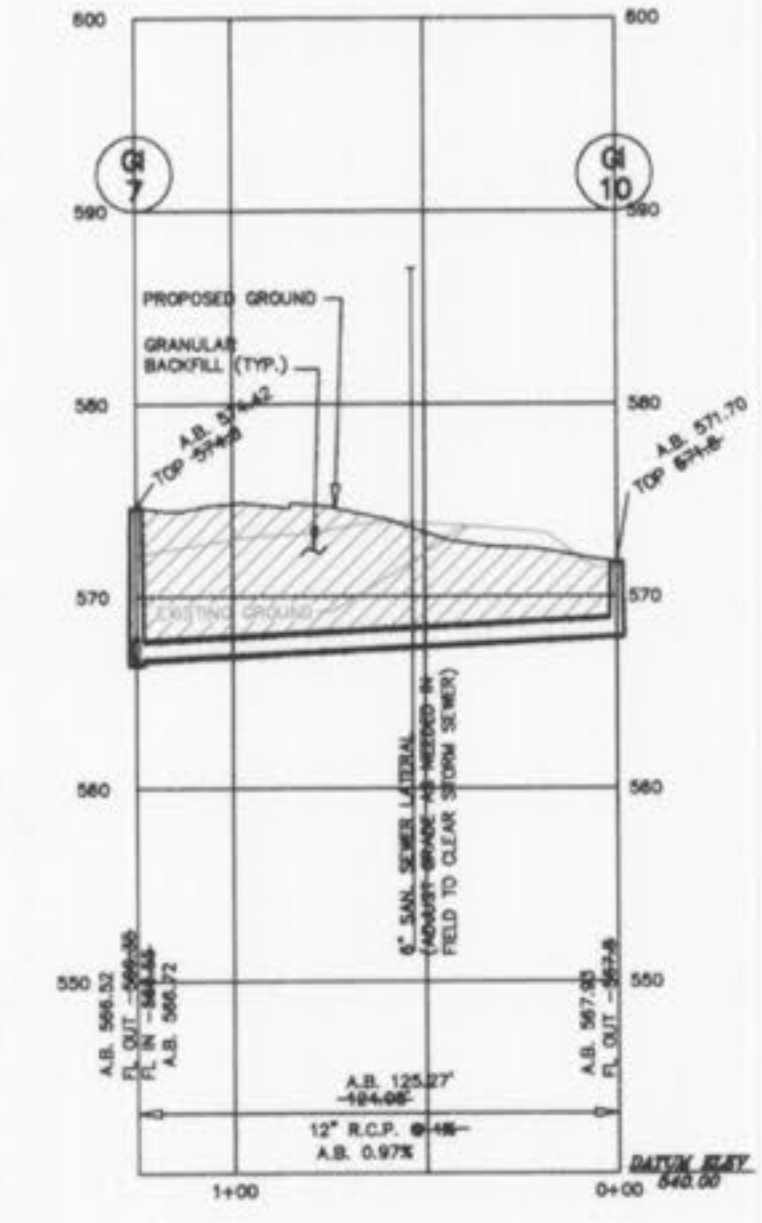
GENERAL NOTES

- 1. ALL SEWER INSTALLATION AND MATERIALS SHALL COMPLY WITH CITY OF O'FALLON STANDARDS.
2. BRICK SHALL NOT BE USED IN THE CONSTRUCTION OF SANITARY OR STORM SEWER STRUCTURES.
3. ALL SANITARY SEWER PIPES SHALL HAVE GASKETED O-RING TYPE COMPRESSION JOINTS PER THE CITY OF O'FALLON.
4. ALL SANITARY LATERALS AND SANITARY MAINS CROSSING UNDER ROADWAYS SHALL HAVE THE PROPER ROCK BACKFILL AND BE COMPACTED AS REQUIRED BY THE CITY OF O'FALLON.
5. ALL FILLED PLACES UNDER PROPOSED STORM AND SANITARY SEWER LINES AND/OR PAVED AREAS SHALL BE COMPACTED TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF THE MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99.
6. ALL FILLED PLACES IN PROPOSED ROADS SHALL BE COMPACTED FROM THE BOTTOM OF THE FILL UP TO 90% OF THE MAXIMUM DENSITY AS DETERMINED BY THE MODIFIED AASHTO T-180 COMPACTION TEST OR 95% OF THE MAXIMUM DENSITY AS DETERMINED BY THE STANDARD PROCTOR TEST AASHTO T-99. OPTIMUM MOISTURE CONTENT SHALL BE DETERMINED USING THE SAME TEST THAT WAS USED FOR COMPACTION. SOIL COMPACTION CURVES SHALL BE SUBMITTED TO THE CITY PRIOR TO THE PLACEMENT OF FILL. PROOF ROLLING MAY BE REQUIRED TO VERIFY SOIL STABILITY AT THE DISCRETION OF THE CITY. ALL TESTS SHALL BE VERIFIED BY A SOILS ENGINEER CONCURRENT WITH GRADING AND BACKFILLING OPERATIONS.
7. CUT-OFF WALLS FOR FLARED END SECTIONS ARE TO BE 2 FEET DEEP UPSTREAM AND 3 FEET DEEP DOWNSTREAM. ALL FLARED END SECTIONS ARE TO BE CONCRETE.
8. PROPOSED STORM SEWERS SHALL COMPLY WITH ALL CITY, COUNTY & STATE STORMWATER MANAGEMENT ORDINANCES.
9. PROVIDE SILTATION CONTROL AROUND ALL STORM SEWER INLETS AS SHOWN ON THE SWPPP PLAN.
10. RIP-RAP SHOWN AT FLARED ENDS WILL BE EVALUATED IN THE FIELD AFTER INSTALLATION FOR EFFECTIVENESS AND FIELD MODIFIED, IF NECESSARY, TO REDUCE EROSION ON AND OFF SITE.
11. SANITARY SEWER LINE PLACEMENT SHALL BE A MINIMUM OF 10' FROM THE EDGE OF ANY BUILDING STRUCTURE AND MAY NEED TO BE INCREASED DEPENDING ON THE DEPTH OF THE LINE.
12. PROVIDE GRANULAR FILL AROUND STORM AND SANITARY SEWER LINES IN TRENCHES WITH 10' OF THE EDGE OF PAVEMENT CURB AND IN THE 1 TO 1 SHEAR PLANE OF THE ROAD.
13. SIX INCH SANITARY SEWER LATERALS ARE TO BE INSTALLED AT A MINIMUM SLOPE OF 2% (TYP.).
14. ALL STORM SEWERS ON/OFF SITE SHALL BE PRIVATELY MAINTAINED.



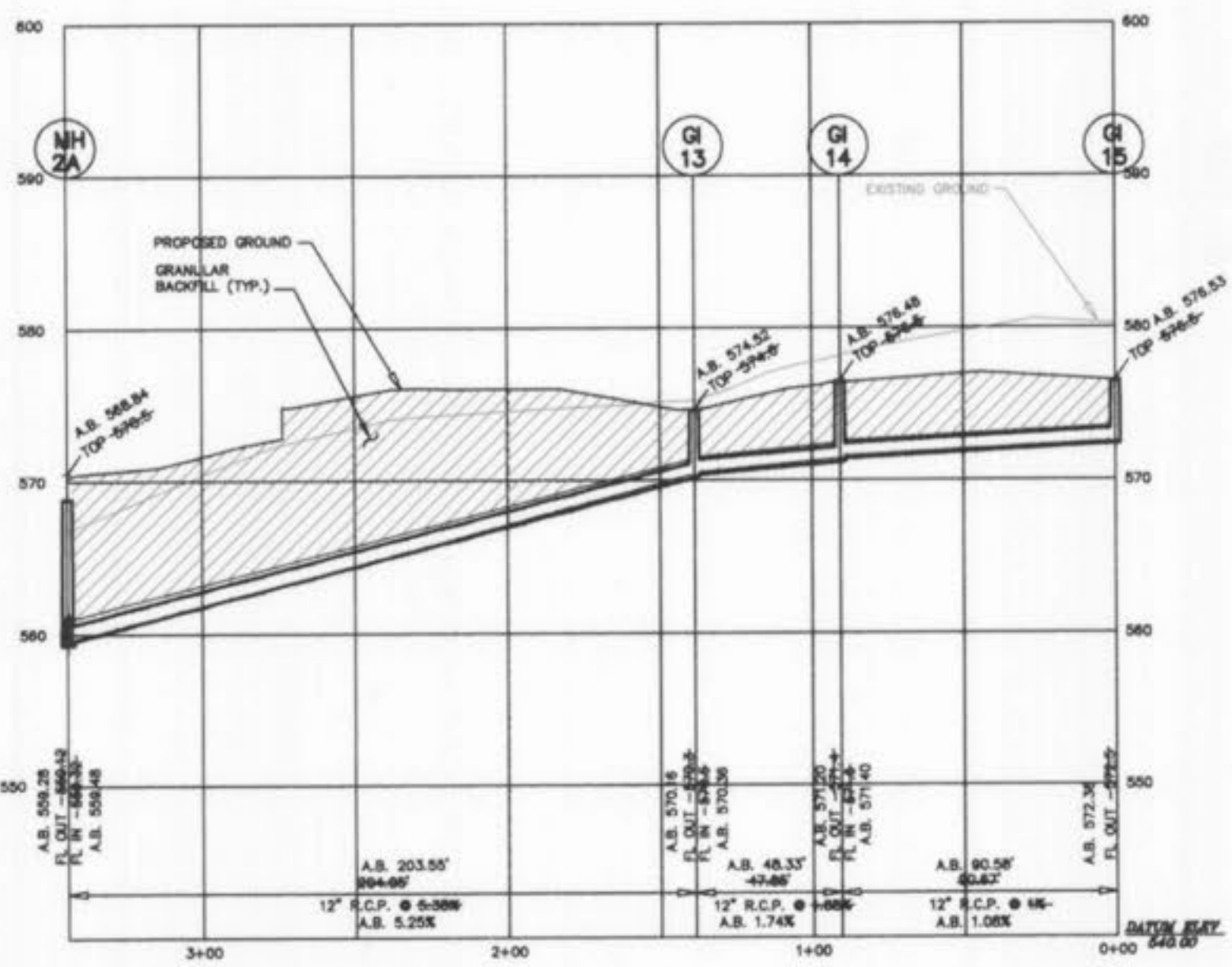
SCALE: 1" = 50' HORIZ. 1" = 10' VERT.

"PRIVATE" STORM SEWER PROFILE



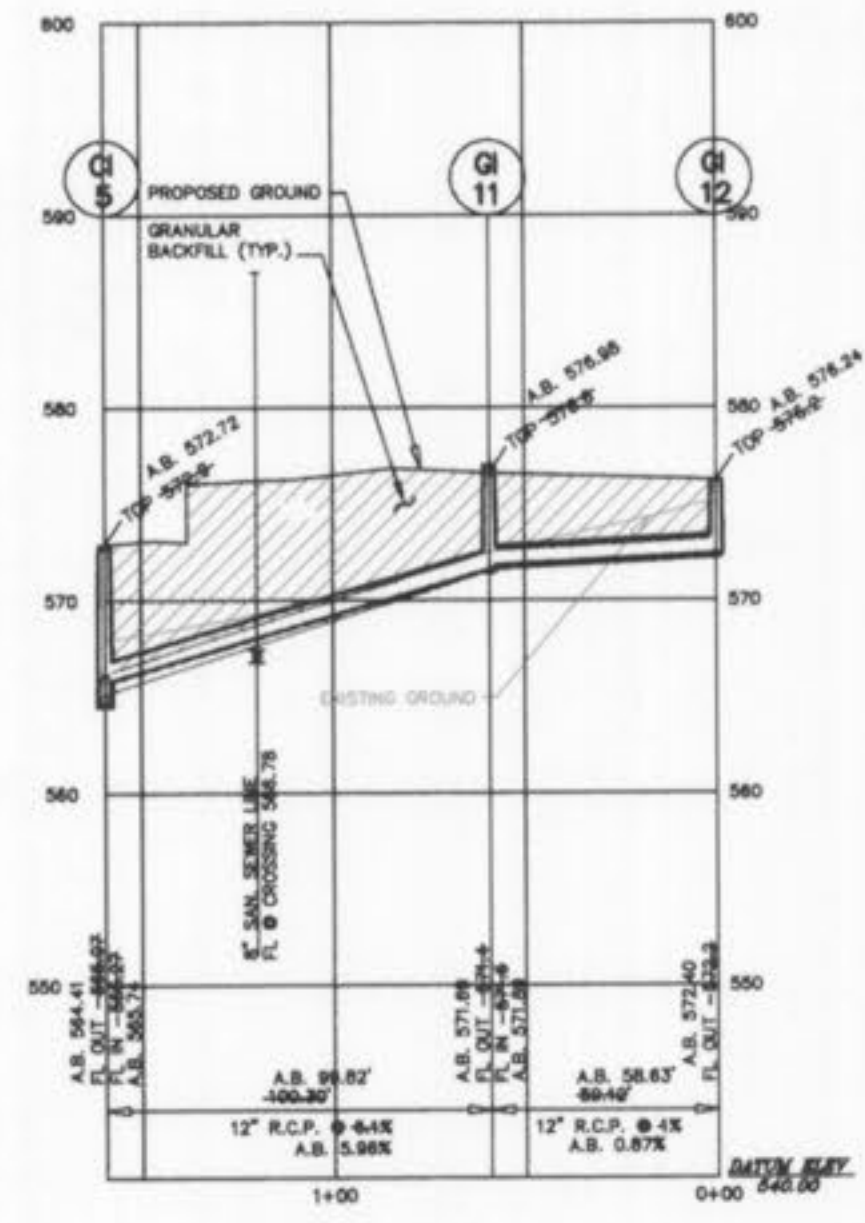
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"PRIVATE" STORM SEWER PROFILE



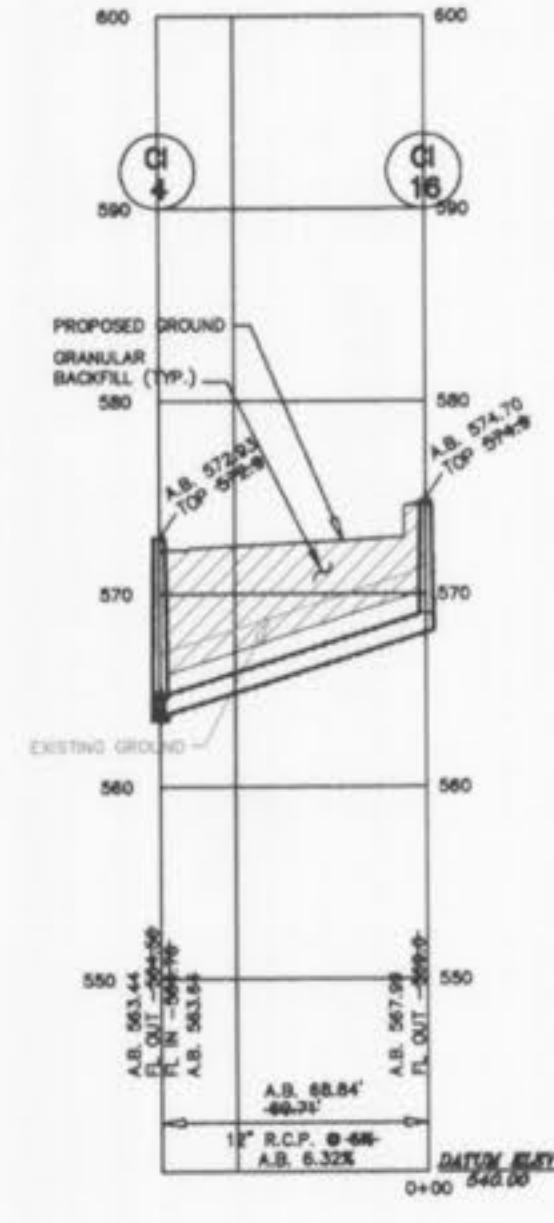
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"PRIVATE" STORM SEWER PROFILE



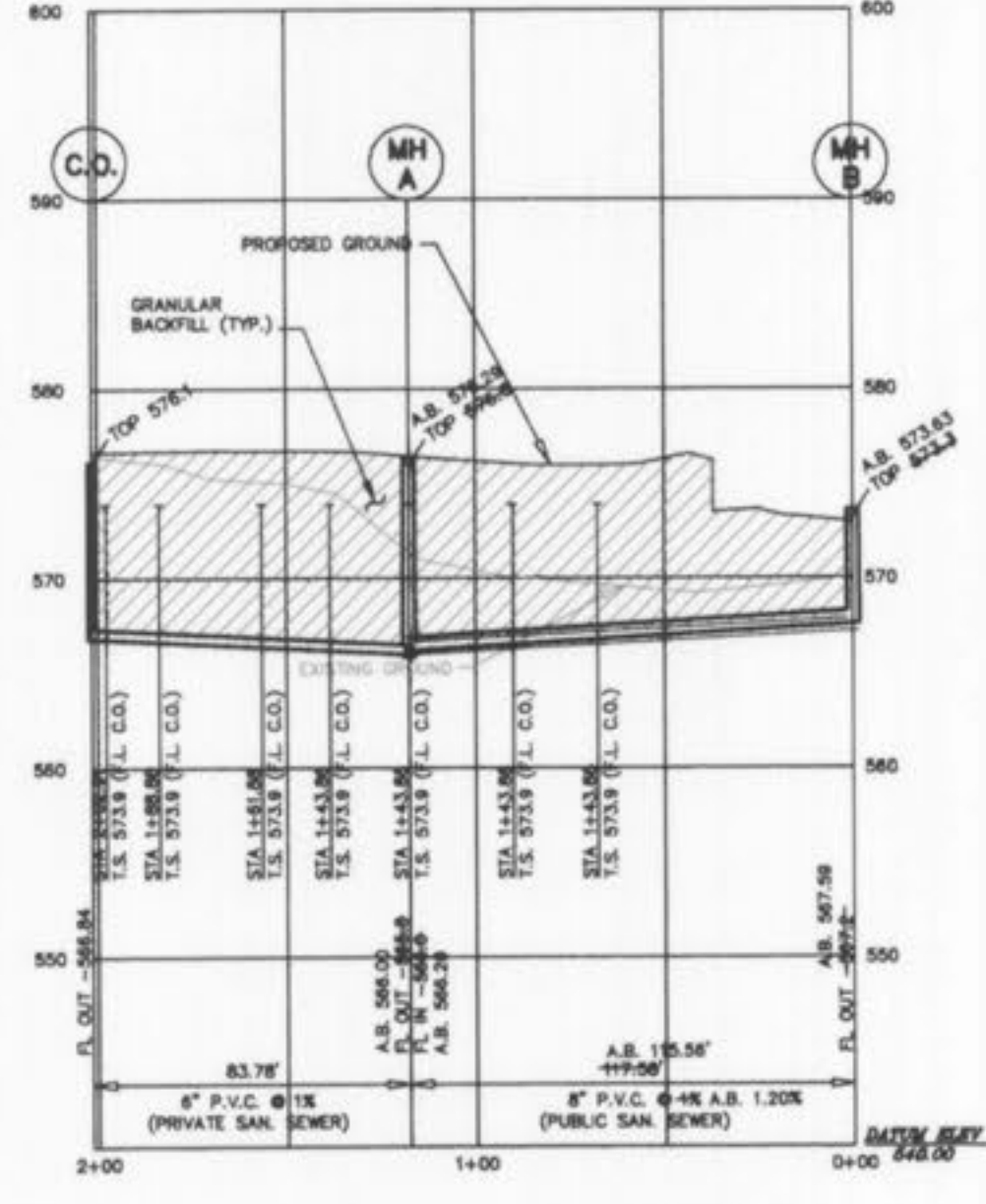
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"PRIVATE" STORM SEWER PROFILE



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SANITARY SEWER PROFILE

STORM AND SANITARY SEWER MEASUREMENTS

The existing sewer lengths, sizes, flowlines, depths of structures and sewer and locations with respect to existing or proposed easements have been measured. The results of those measurements are shown on this set of FINAL MEASUREMENT PLANS. Since the wye locations have been plotted from information provided by the sewer contractor or other sources, I disclaim any responsibility for that information.

All public sewers are located within designated existing or proposed easements except as follows:
Zavradinos & Polk inc.

by: Steven A. Borgmann Mo. PLS 2583



O'FALLON P&Z # 3903.01 AS BUILT STORM AND SANITARY SEWERS