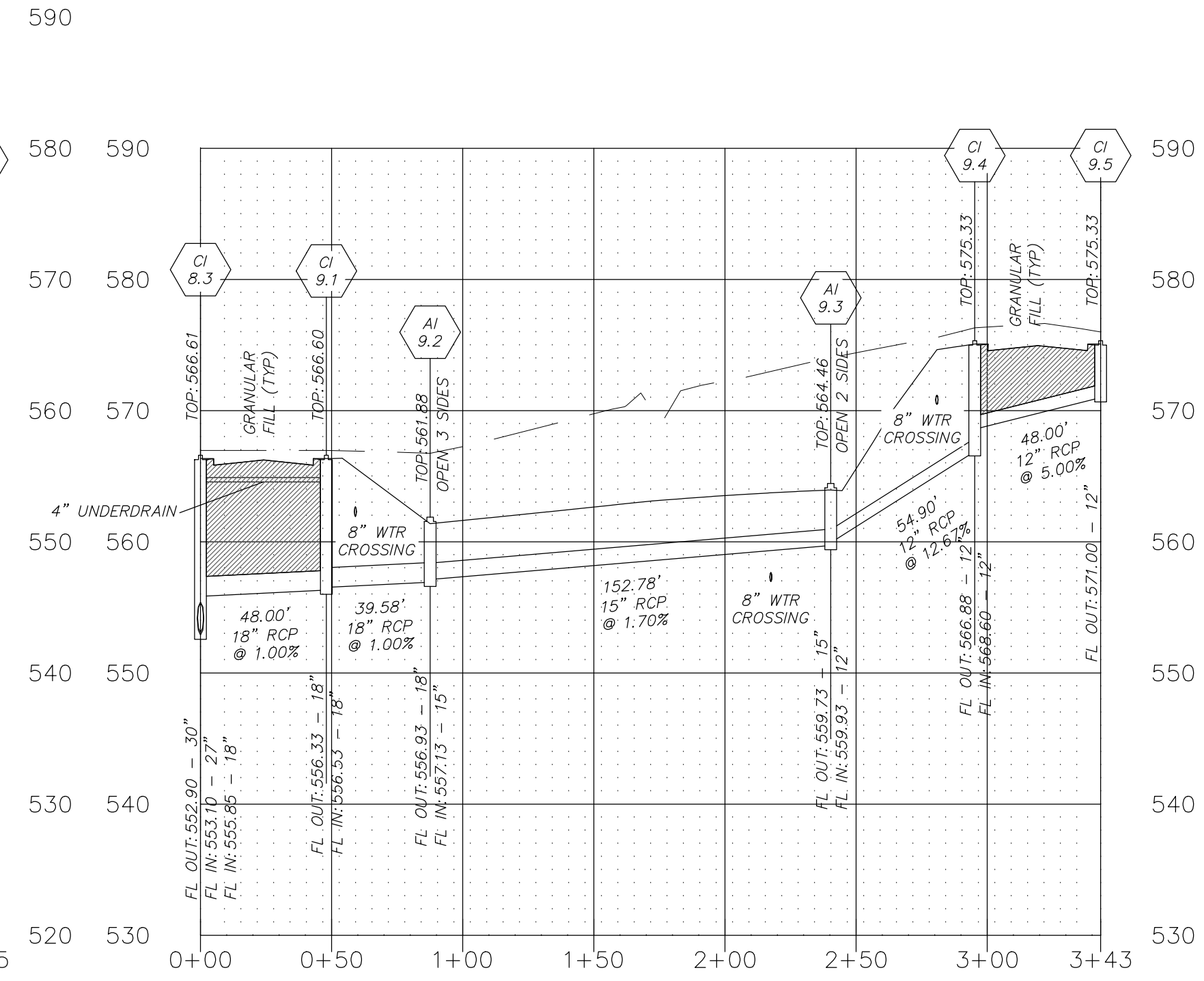
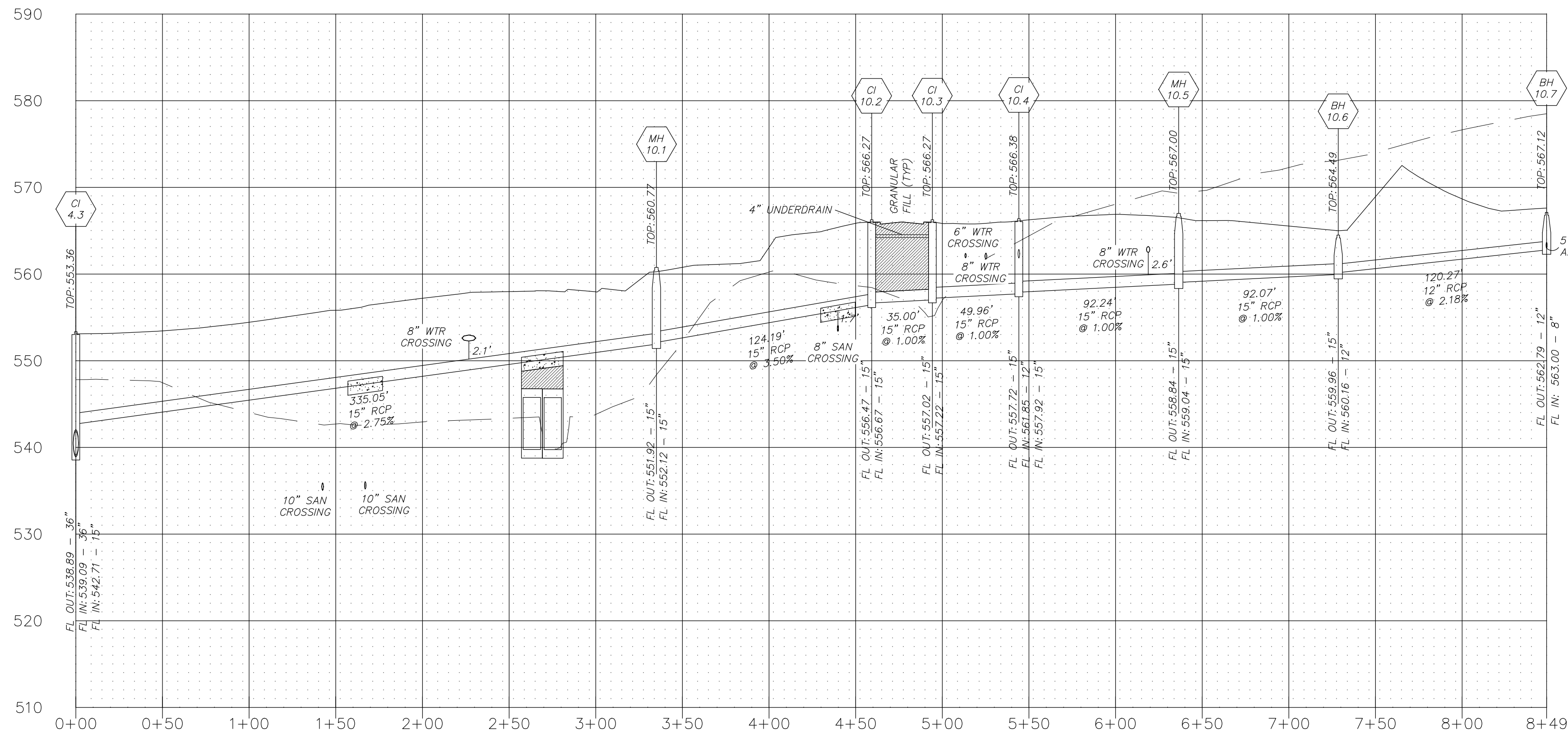


STORM 7

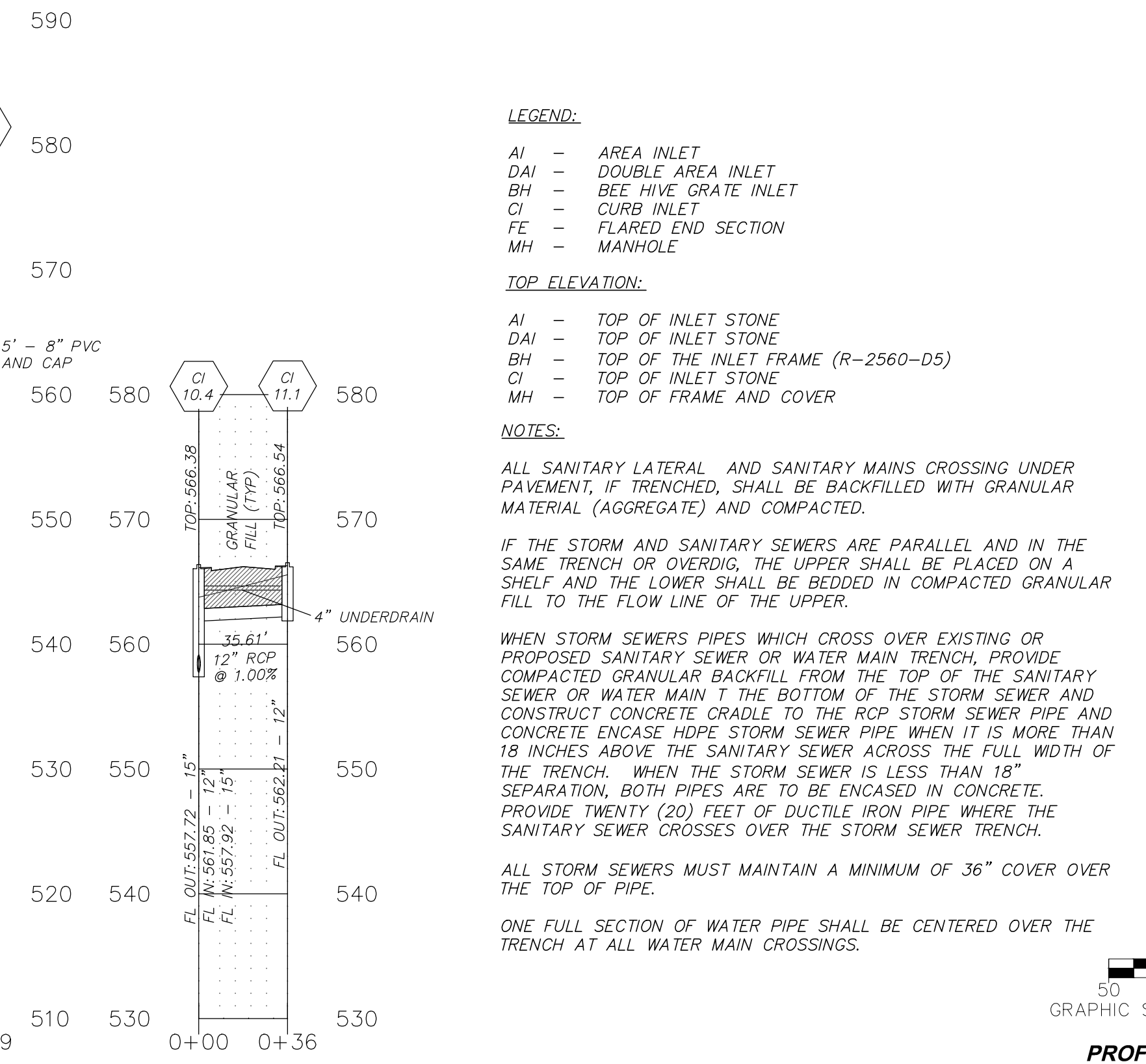
STORM 8



STORM 9



STORM 10



STORM 11

LEGEND:

- AI - AREA INLET
- DAI - DOUBLE AREA INLET
- BH - BEE HIVE GRATE INLET
- CI - CURB INLET
- FE - FLARED END SECTION
- MH - MANHOLE

TOP ELEVATION:

- AI - TOP OF INLET STONE
- DAI - TOP OF INLET STONE
- BH - TOP OF THE INLET FRAME (R-2560-D5)
- CI - TOP OF INLET STONE
- MH - TOP OF FRAME AND COVER

NOTES:

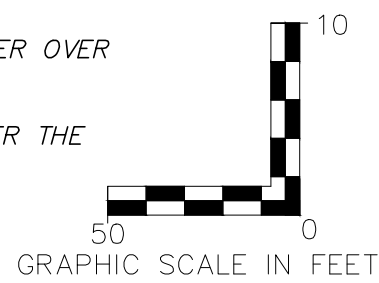
ALL SANITARY LATERAL AND SANITARY MAINS CROSSING UNDER PAVEMENT, IF TRENCHED, SHALL BE BACKFILLED WITH GRANULAR MATERIAL (AGGREGATE) AND COMPACTED.

IF THE STORM AND SANITARY SEWERS ARE PARALLEL AND IN THE SAME TRENCH OR OVERDIG, THE UPPER SHALL BE PLACED ON A SHELF AND THE LOWER SHALL BE BEDDED IN COMPACTED GRANULAR FILL TO THE FLOW LINE OF THE UPPER.

WHEN STORM SEWERS PIPES WHICH CROSS OVER EXISTING OR PROPOSED SANITARY SEWER OR WATER MAIN TRENCH, PROVIDE COMPACTED GRANULAR BACKFILL FROM THE TOP OF THE SANITARY SEWER OR WATER MAIN TO THE BOTTOM OF THE STORM SEWER AND CONSTRUCT CONCRETE CRADLE TO THE RCP STORM SEWER PIPE AND CONCRETE ENCASE HDPE STORM SEWER PIPE WHEN IT IS MORE THAN 18 INCHES ABOVE THE SANITARY SEWER ACROSS THE FULL WIDTH OF THE TRENCH. WHEN THE STORM SEWER IS LESS THAN 18" SEPARATION, BOTH PIPES ARE TO BE ENCASED IN CONCRETE. PROVIDE TWENTY (20) FEET OF DUCTILE IRON PIPE WHERE THE SANITARY SEWER CROSSES OVER THE STORM SEWER TRENCH.

ALL STORM SEWERS MUST MAINTAIN A MINIMUM OF 36" COVER OVER THE TOP OF PIPE.

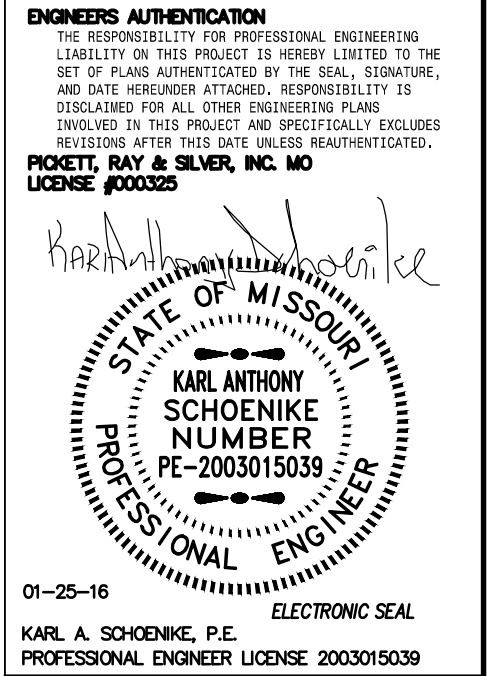
ONE FULL SECTION OF WATER PIPE SHALL BE CENTERED OVER THE TRENCH AT ALL WATER MAIN CROSSINGS.



PROFILE SCALE:  
 HORZ: 1" = 50'  
 VERT: 1" = 10'

PROJECT TITLE  
**IMPROVEMENT PLANS  
 THE VILLAGES AT  
 MONTRACHET**  
 STORM PROFILES

**PICKETT, RAY & SILVER INC**  
 CIVIL ENGINEERING, LAND SURVEYING,  
 AND NATURAL RESOURCES SERVICES  
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P+Z No. 15-15.01  
 City No. 15-742-SP  
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 STORM PROFILES

DCSD APPROVED 11/30/15 PERMIT NUMBER 2015-2-005 CITY OF O'FALLON APPROVED 01/25/16 PWS# #2 APPROVED 12/30/15