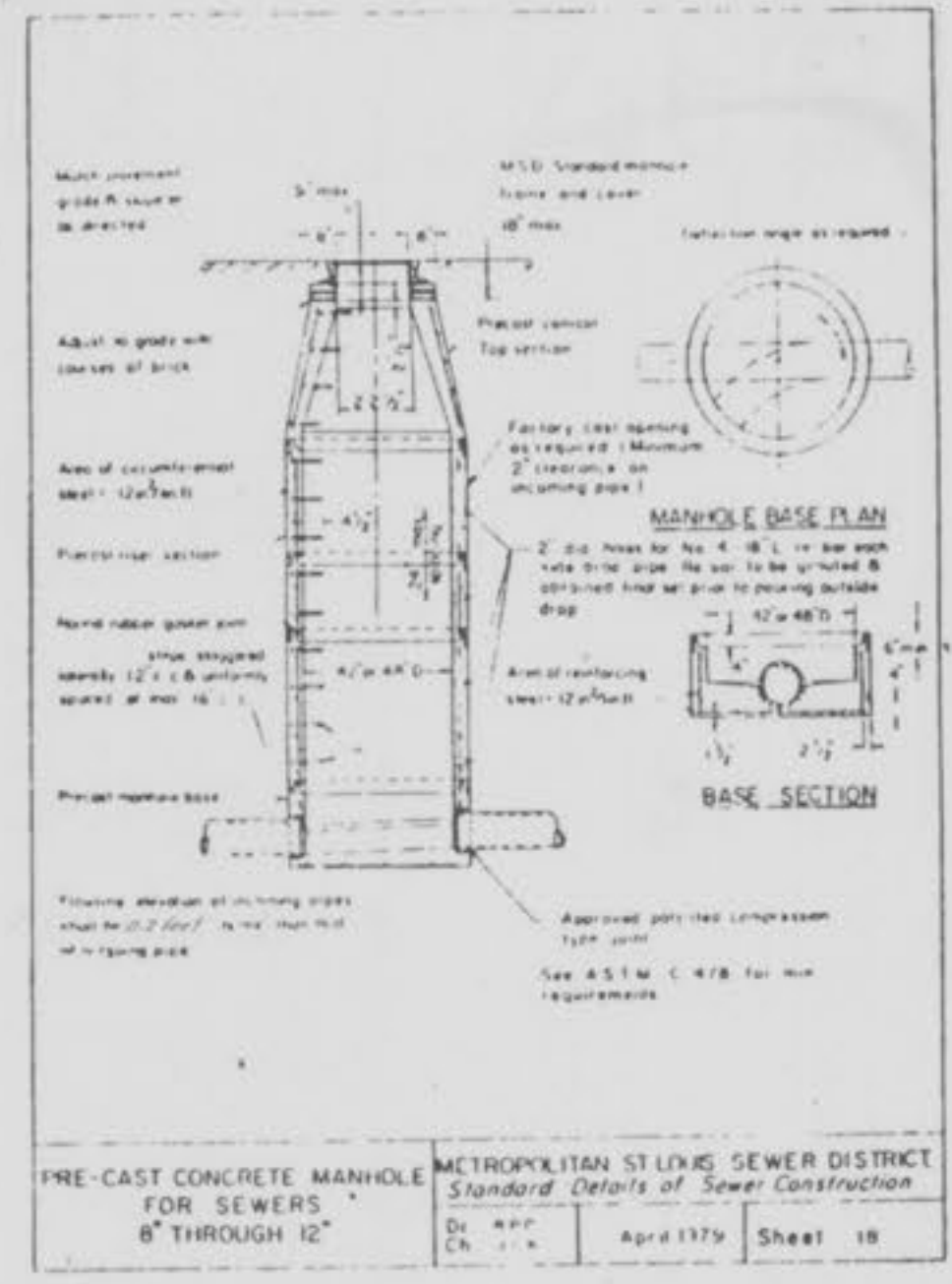
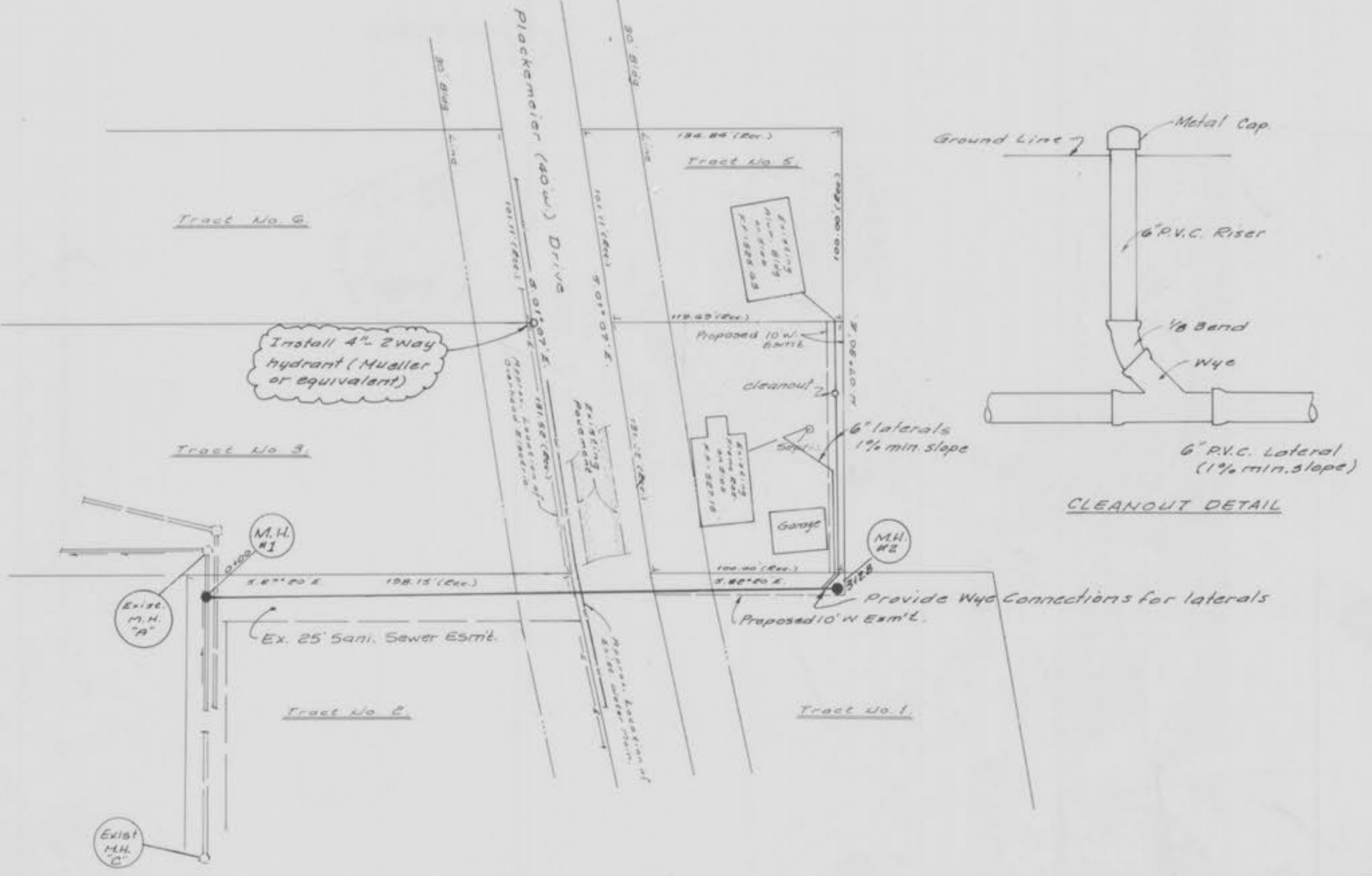
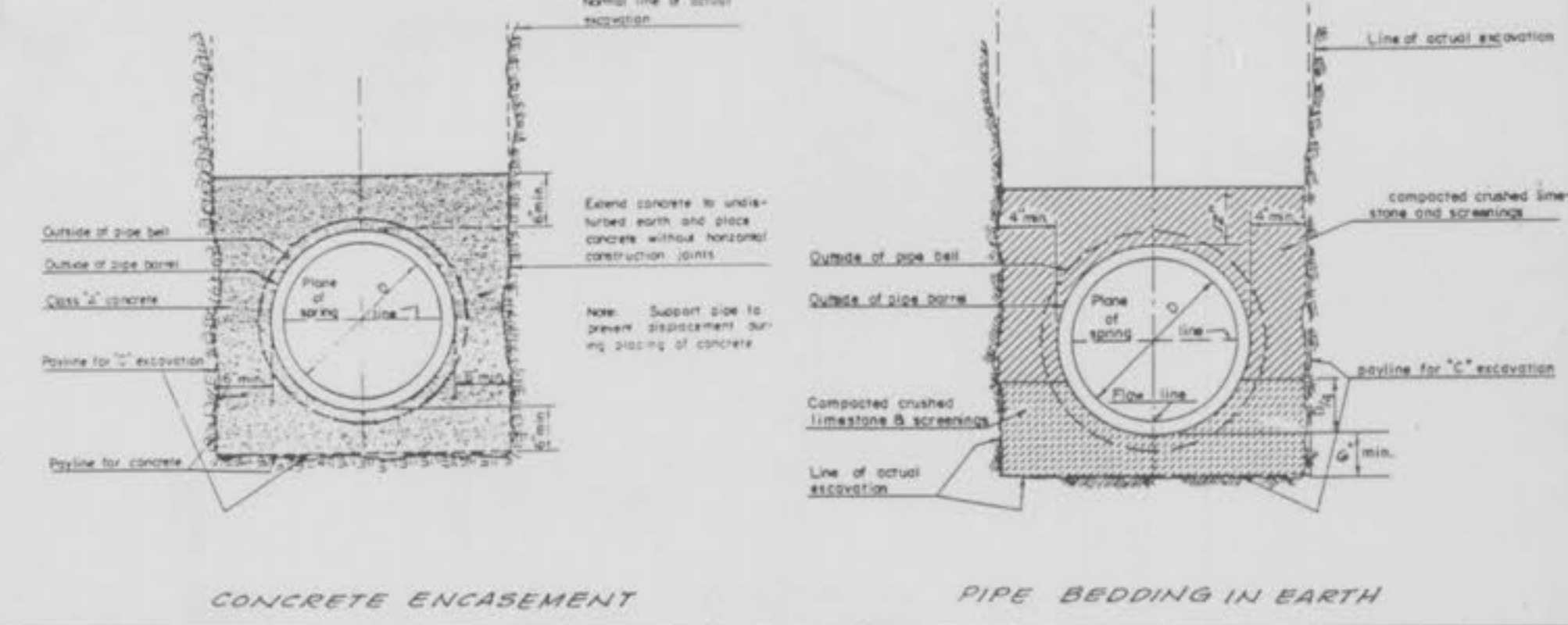
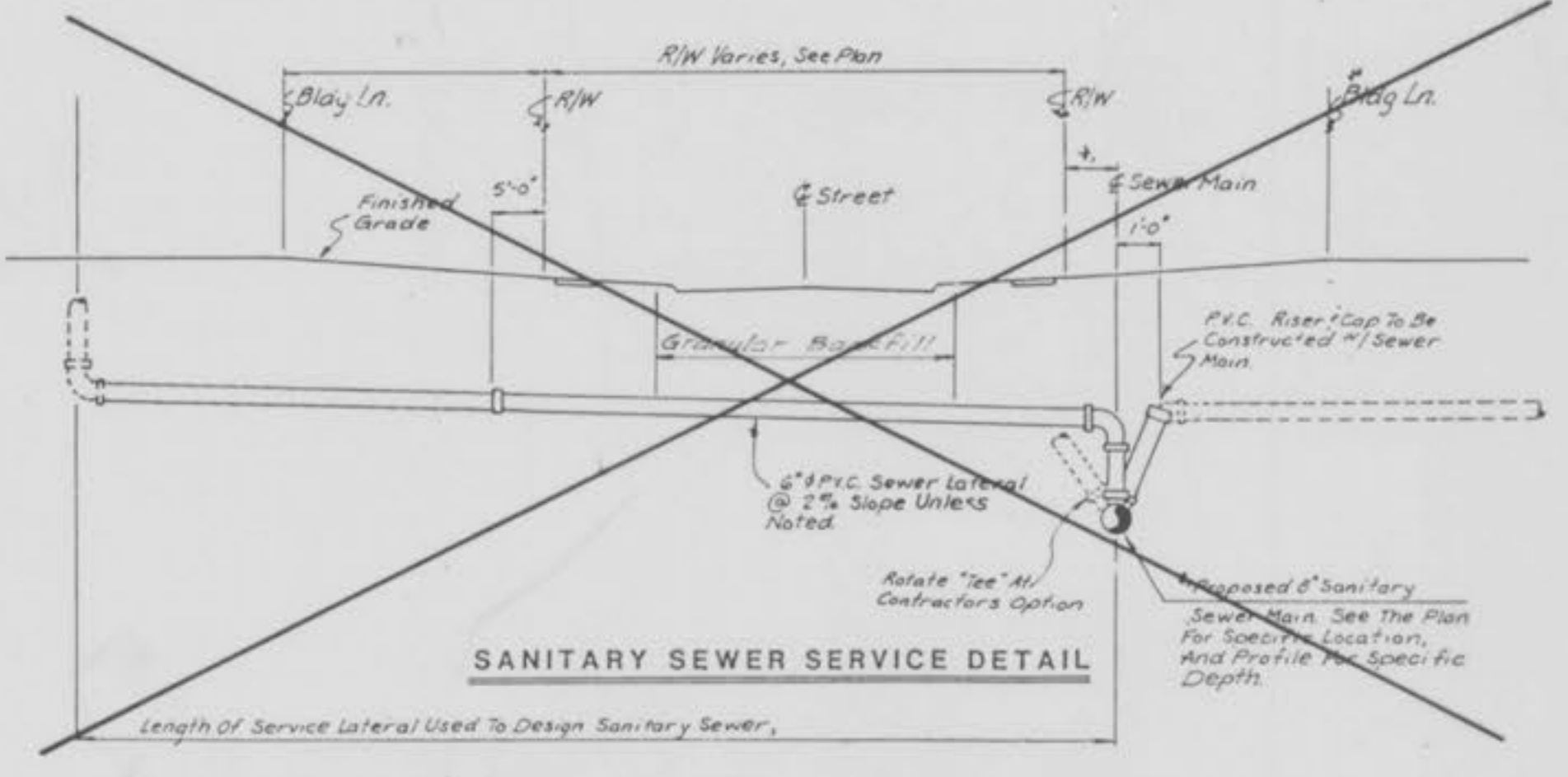


Scale: 1"=50'

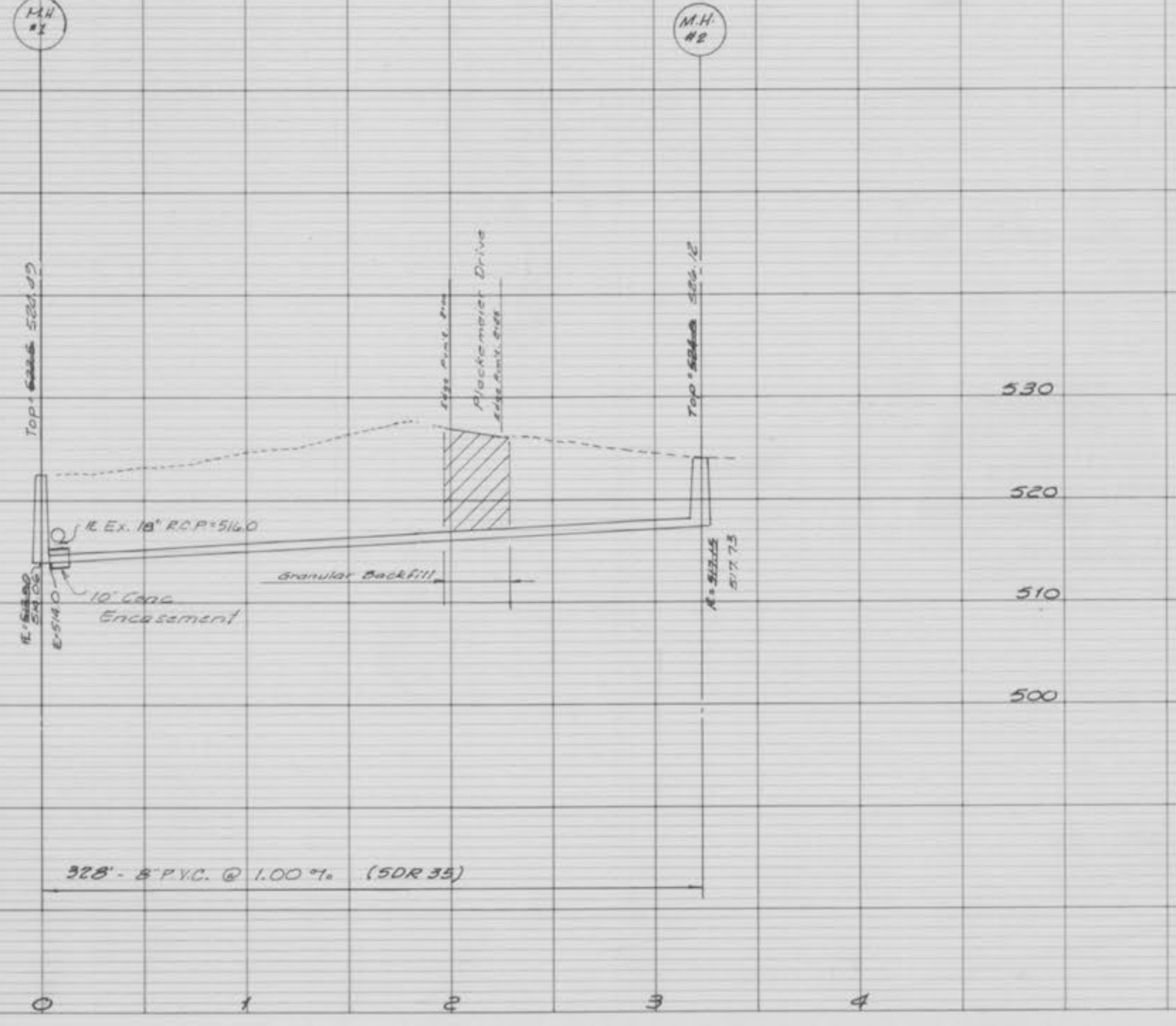
DATE	BY
SUBMITTED	
PLANNING	
DESIGNED	
CHECKED	
NO. 1	



Note: All manholes to be water proofed per City of O'Fallon specifications  
 All manholes to have 0.2 feet drop across manhole.  
 M.H. #1 shall have a cast-in-place bottom. Barrel of manhole shall be set prior to removal of exist pipe through manhole.



DATE	BY
DESIGNED	
PLANNING	
CHECKED	
NO. 1	



**LANDMARK SURVEYING, INC.**  
 802 E. MAIN  
 Warrenton, Missouri 63385

**AS-BUILTS**

Drawn: JAC CKD.  
 DATE: 5-7-90 DATE: \_\_\_\_\_

- Construction Notes:**
- Protection: Each contractor shall protect his excavations. All excavations shall be kept free of water and lighted barricades maintained. Roads are to be kept cleared, free of dirt, and maintained.
  - Clean Up: The General Contractor shall remove all debris from site and building broom cleaned and not allow trash to blow on to adjoining properties. Tools, equipment, and scaffolding not in active use shall be removed.
  - All low places whether onsite or offsite should be graded to allow drainage. This can be accomplished with temporary ditches.
  - Excavate to produce an undisturbed soil bearing surface at required levels. Remove all soft spots in subgrade and fill with compacted granular fill.
  - All existing underground utilities and services that are to remain are to be protected throughout construction.
  - Underground utilities, have been plotted from available information and therefore their locations must be considered approximate only. The verification of the location of all underground utilities, either shown or not shown on these plans shall be the responsibility of the contractor, and shall be located prior to grading or construction of improvements. Notify the engineer immediately of all discrepancies.
  - All trench backfills under paved areas shall be granular backfill, and shall be compacted to 90% of the maximum density as determined by the "Modified AASHTO T-190 Compaction Test." (A.S.T.M. D-1557). All other trench backfills may be earth material (free of large clods or stones) and shall be water tamped.
  - All top, flowline, and invert elevations shown have been established from the grading plan and/or topographic survey. The General Contractor shall verify all elevations upon grading completion to insure continuity with proposed and existing utilities.
  - All P.V.C. sanitary sewer pipe to be SDR-35 conforming to ASTM-1034 with approved bedding.
  - The minimum vertical distance from the low points of the basement to the flowline of a sanitary sewer at the corresponding house connection shall not be less than the diameter of the sanitary sewer plus a vertical distance not less than two and one half feet (2-1/2').
  - Sanitary sewer and water lines shall be installed with an 18" minimum vertical clearance and a ten foot horizontal separation on all crossings.



REV. 3-02-89  
 Rev. 3-22-90  
 Rev. 3-30-90

PLACKMEIER  
 COLLISION REPAIR  
 AS-BUILT SAN LINE