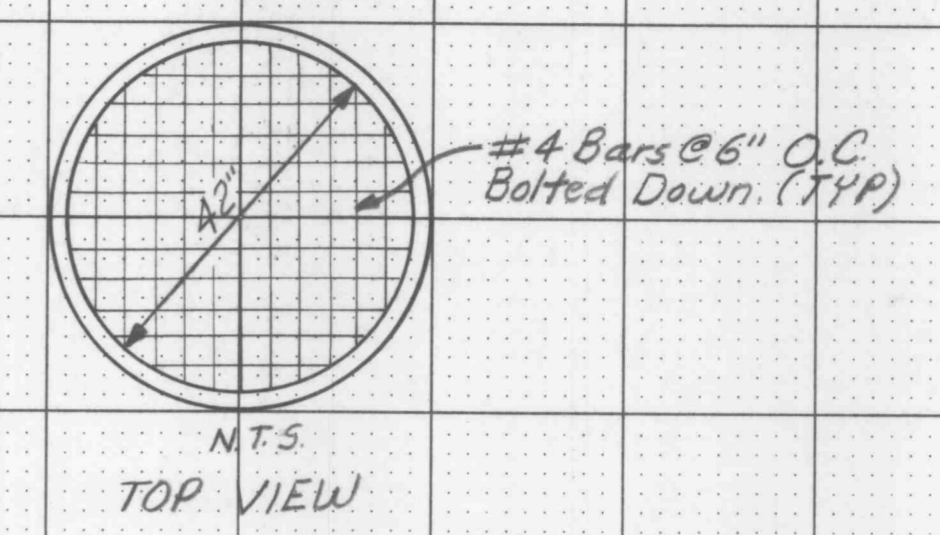
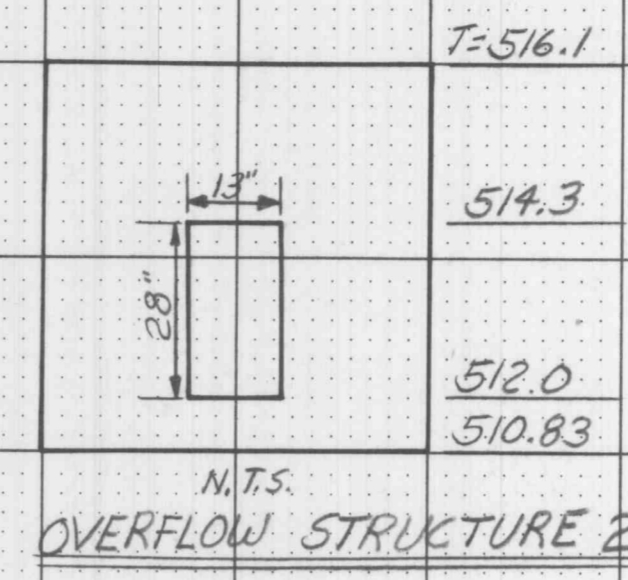
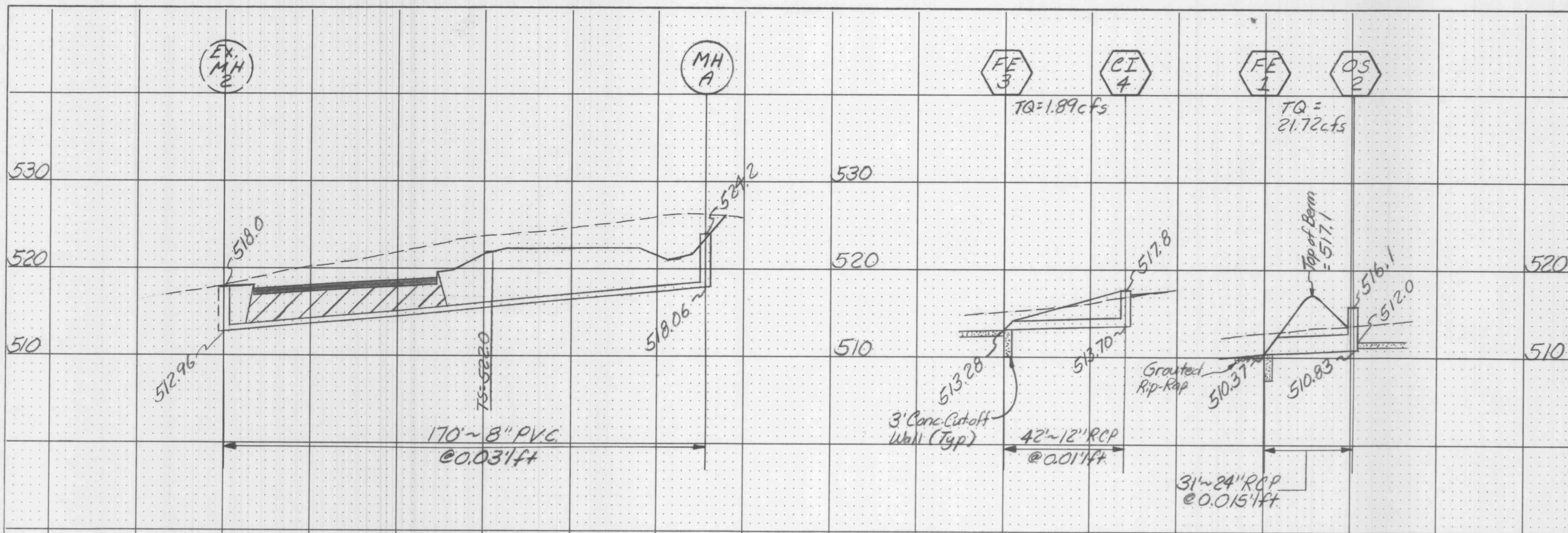
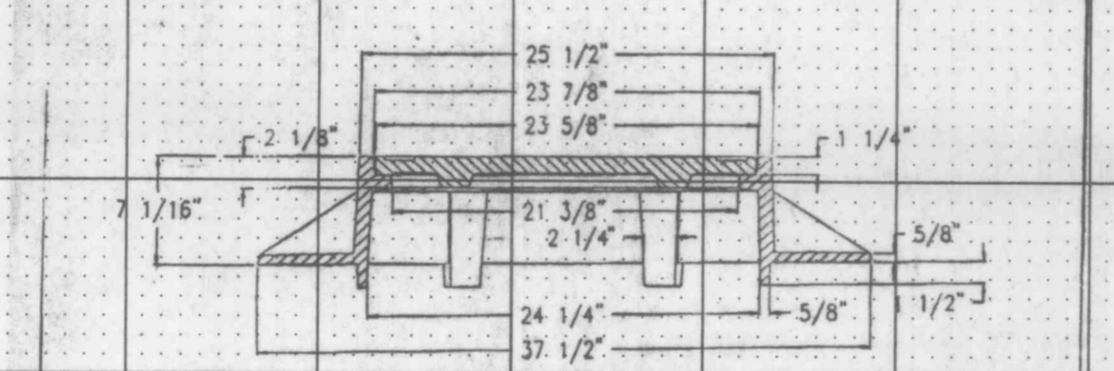
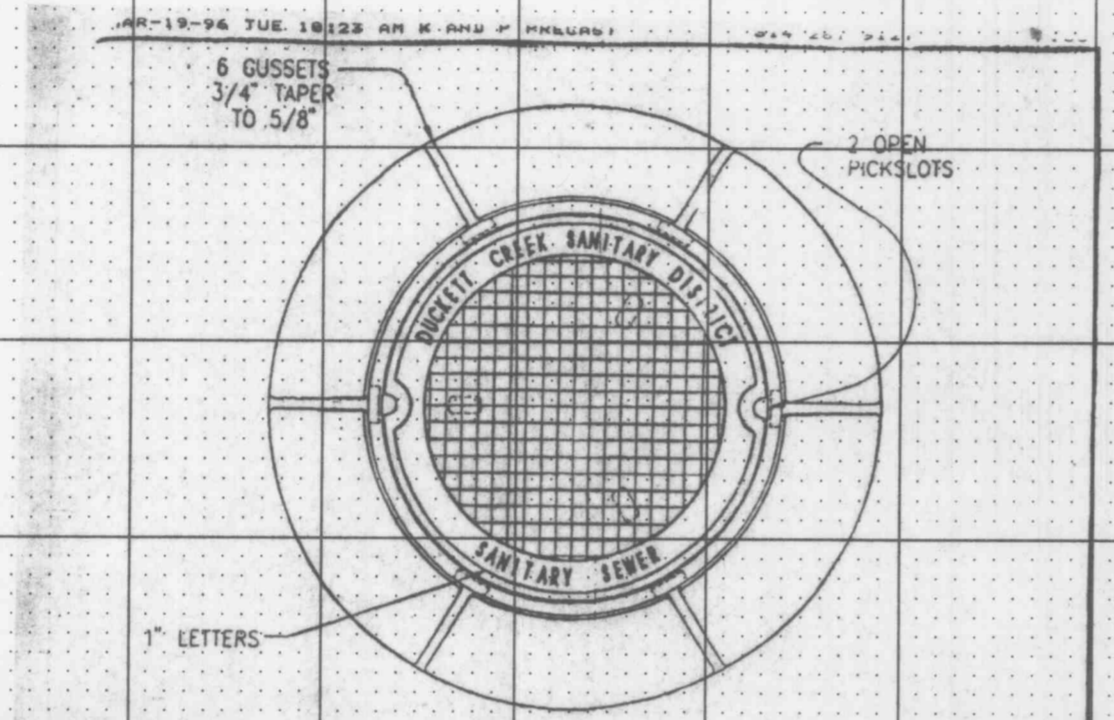


OVERFLOW STRUCTURE  
NOTE: THE OVERFLOW STRUCTURE IS TO BE A STANDARD 42" DIAMETER MANHOLE PRECAST CONCRETE. (WITHOUT TOP) THE BOTTOM MUST BE CONSTRUCTED TO THE CORRECT HEIGHT SO THAT NO BRICK WILL BE USED. A RECTANGULAR ORIFICE 13" WIDE AND 28" HIGH WITH A FLOWLINE OF 512.0 WILL BE USED.

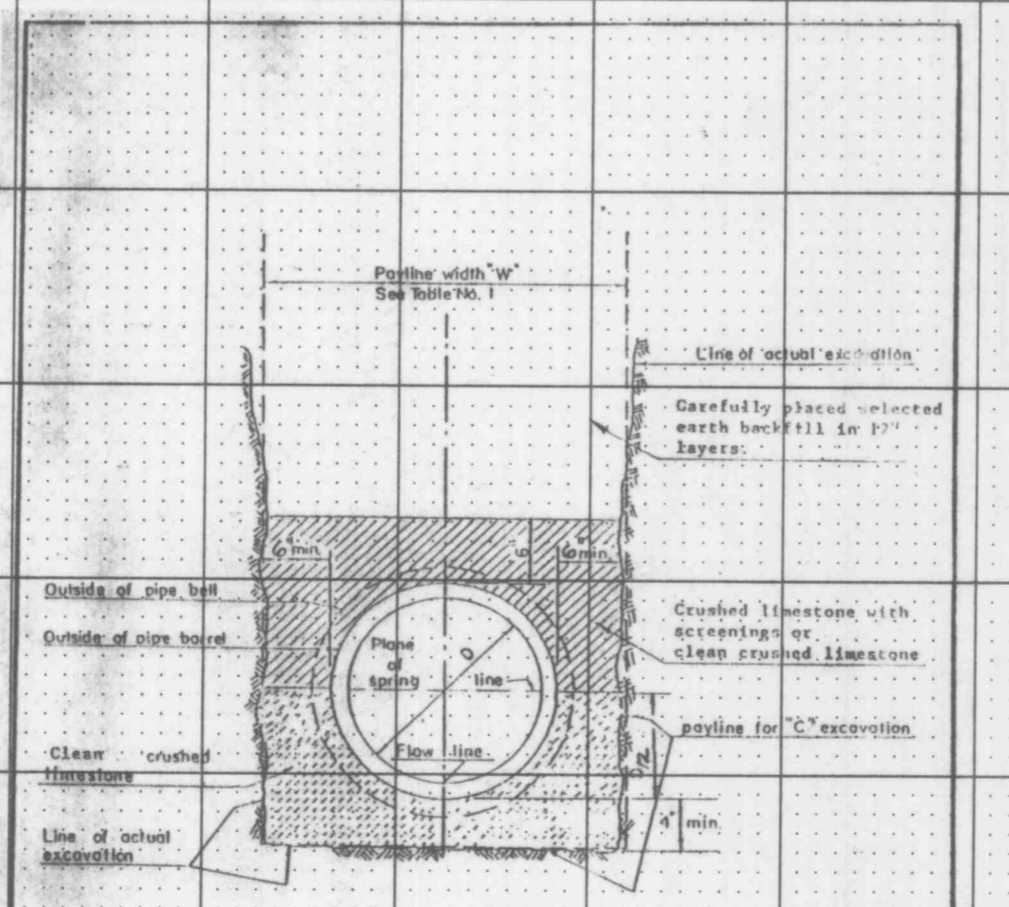
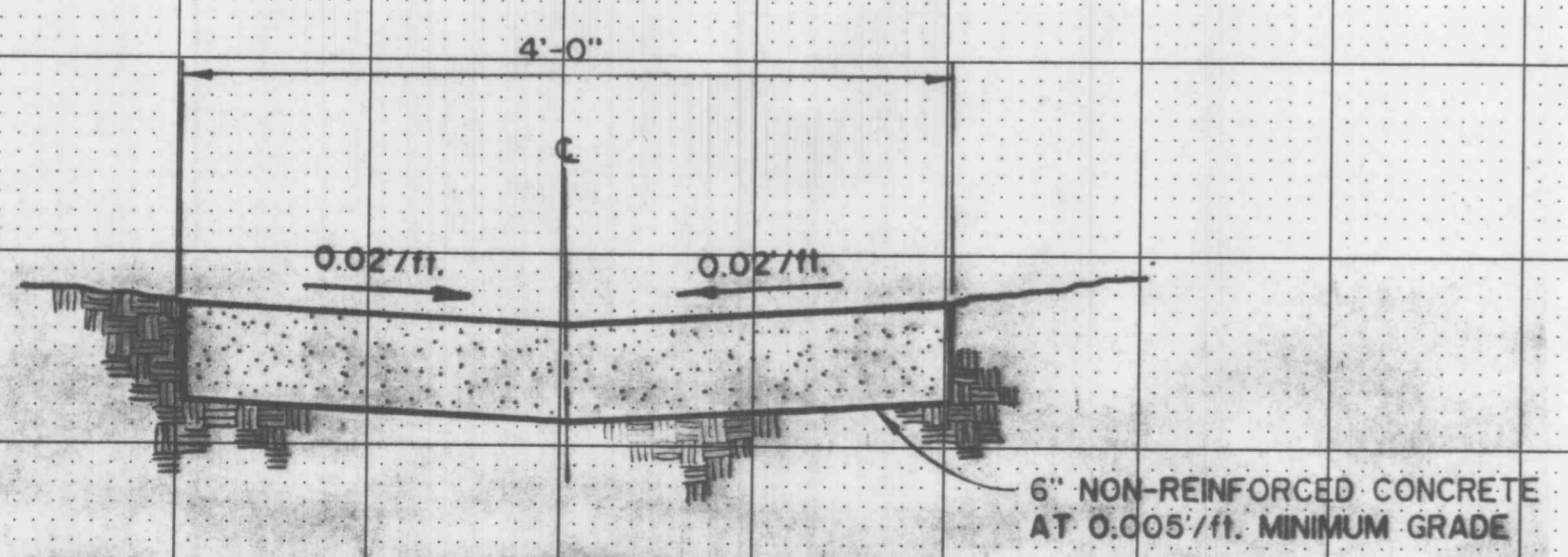
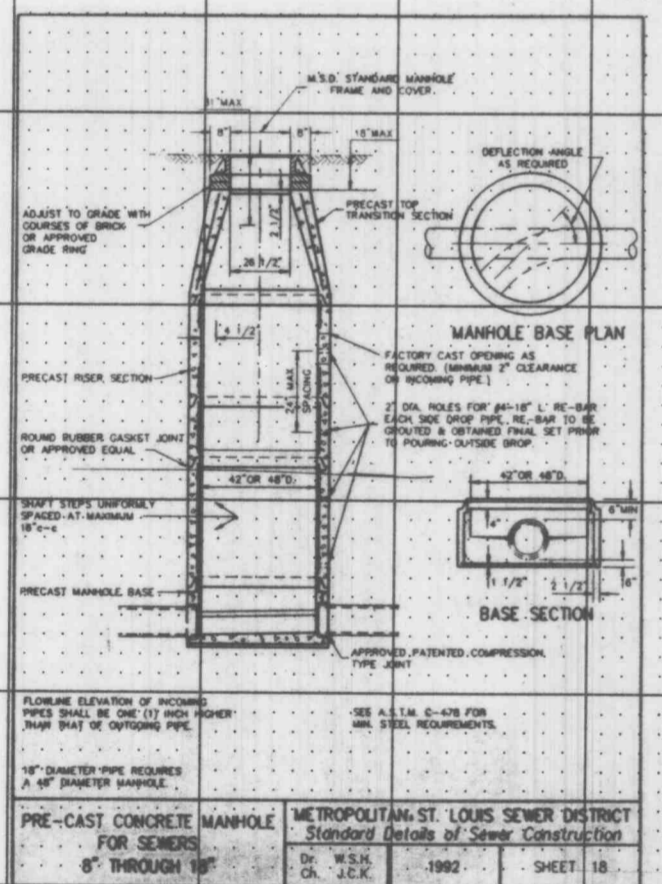


FINAL SURVEY  
DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.  
AREAS CHECKED

ORIGINAL SURVEY  
DATE  
BY  
SURVEYED  
PLOTTED  
NOTE BOOK  
NO.  
AREAS CHECKED



NOTE:  
1. FURNISHED WITH MACHINED HORIZONTAL BEARING SURFACES.  
MATERIAL: CAST IRON ASTM A-48, CLASS 35B  
FINISH: NO PAINT  
WEIGHT: 395 LBS.  
Deeter Foundry, Inc.  
275 STANDARD MANHOLE RING & COVER  
18-8489-00  
1/2



- DUCKETT CREEK SANITARY DISTRICT CONSTRUCTION NOTES
- Underground utilities have plotted from available information and therefore location shall 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 any grading or construction of improvements.
  - Gas, water and other underground utilities shall not conflict with the depth or horizontal location of existing or proposed sanitary and storm sewers, including house laterals.
  - All existing site improvements disturbed, damaged or destroyed shall be repaired or replaced to closely match preconstruction conditions.
  - All fill including places under proposed storm and sanitary sewer lines and paved including trench backfills within and off the road right-of-way shall be compacted to 90 percent of maximum density as determined by the Modified AASHTO T-190 Compaction Test (ASTM D1557). All tests shall be verified by a Soils Engineer concurrent with grading and backfilling operations. The compacted fill shall be free of rutting and shall be non-yielding and non-pumping during proofrolling and compaction.
  - The contractor shall prevent all storm, surface water, mud and construction debris from entering the existing sanitary sewer system.
  - All sanitary sewer flowlines and tops built without elevations furnished by the engineer will be the responsibility of the sewer contractor.
  - Easements shall be provided for all sanitary sewers, storm sewers and all utilities on the record plat.
  - All construction and materials shall conform to the current construction standards of the Duckett Creek Sanitary District.
  - The Duckett Creek Sanitary District shall be notified at least 48 hours prior to construction for coordination and inspection.
  - All sanitary sewer building connections have been designed so that the minimum vertical distance from the low point of the basement to the flowline of a sanitary sewer at the corresponding building connection is not less than the diameter of the pipe plus the vertical distance of 2-1/2 feet.
  - All exterior sanitary sewer manholes shall be waterproofed on the exterior in accordance to Missouri Dept. of Natural Resources specification 10 CSR-8 120(7)(E).
  - All PVC sanitary sewer pipe is to be SDR-35 or equal with "clean" 1/2 inch to 1 inch granular stone bedding uniformly graded. This bedding shall extend from 4 inches below the pipe to springline of pipe. Immediate backfill over pipe shall consist of same size "clean" or "minus" stone from springline of pipe to 6 inches above the top of pipe.
  - All sanitary and storm sewer trench backfills shall be water jetted. Granular backfill will be used under pavement areas.
  - All pipes shall have positive drainage through manholes. No flat base structures are allowed.
  - All creek crossings shall be grouted rip-rap as directed by District inspectors. (All grout shall be high slump ready-mix concrete).
  - Brick shall not be used on sanitary sewer manholes.

- GENERAL NOTES
- All filled places under proposal storm and sanitary sewer and/or paved areas shall be compacted to 90% of maximum density as determined by the Modified AASHTO T-190 Compaction Test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99.
  - All filled places in proposed roads shall be compacted from the bottom of the fill up to 90% maximum density as determined by the Modified AASHTO T-190 Compaction Test or 95% of maximum density as determined by the Standard Proctor Test AASHTO T-99. All tests shall be verified by a soils engineer concurrent with grading and backfilling operations.
  - The sediment control plan shall be implemented before grading begins.
  - Erosion control shall not be limited to what is shown on the plan. Whatever means necessary shall be taken to prevent siltation and erosion from entering natural streams and adjacent roadways, properties, and ditches.
  - All erosion control systems shall be inspected and necessary corrections made within 24 hours of any rain storm resulting in one-half inch of rain or more.
  - No graded area is to remain bare without being seeded and mulched.
  - Also, when deemed necessary, positive steps should be exercised to prevent this soil from damaging adjacent property and silting up all storm drainage systems whether on or off site.

PIPE BEDDING CLASS 'C'  
(FOR ALL PIPE EXCEPT REINFORCED CONCRETE PIPE)  
DUCKETT CREEK SEWER DISTRICT  
STANDARD CONSTRUCTION DETAIL  
DETAIL NO. JAN. 1989