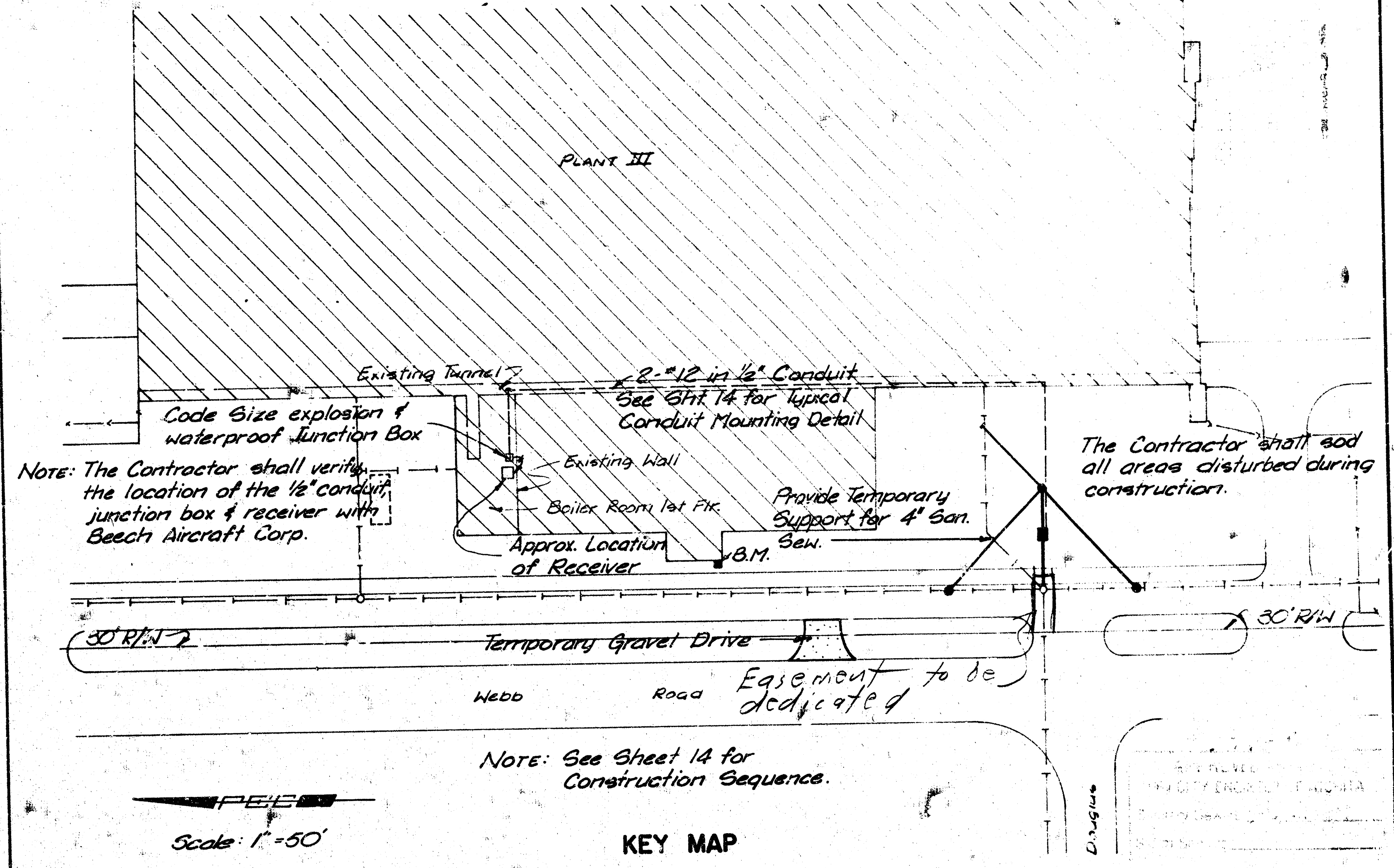
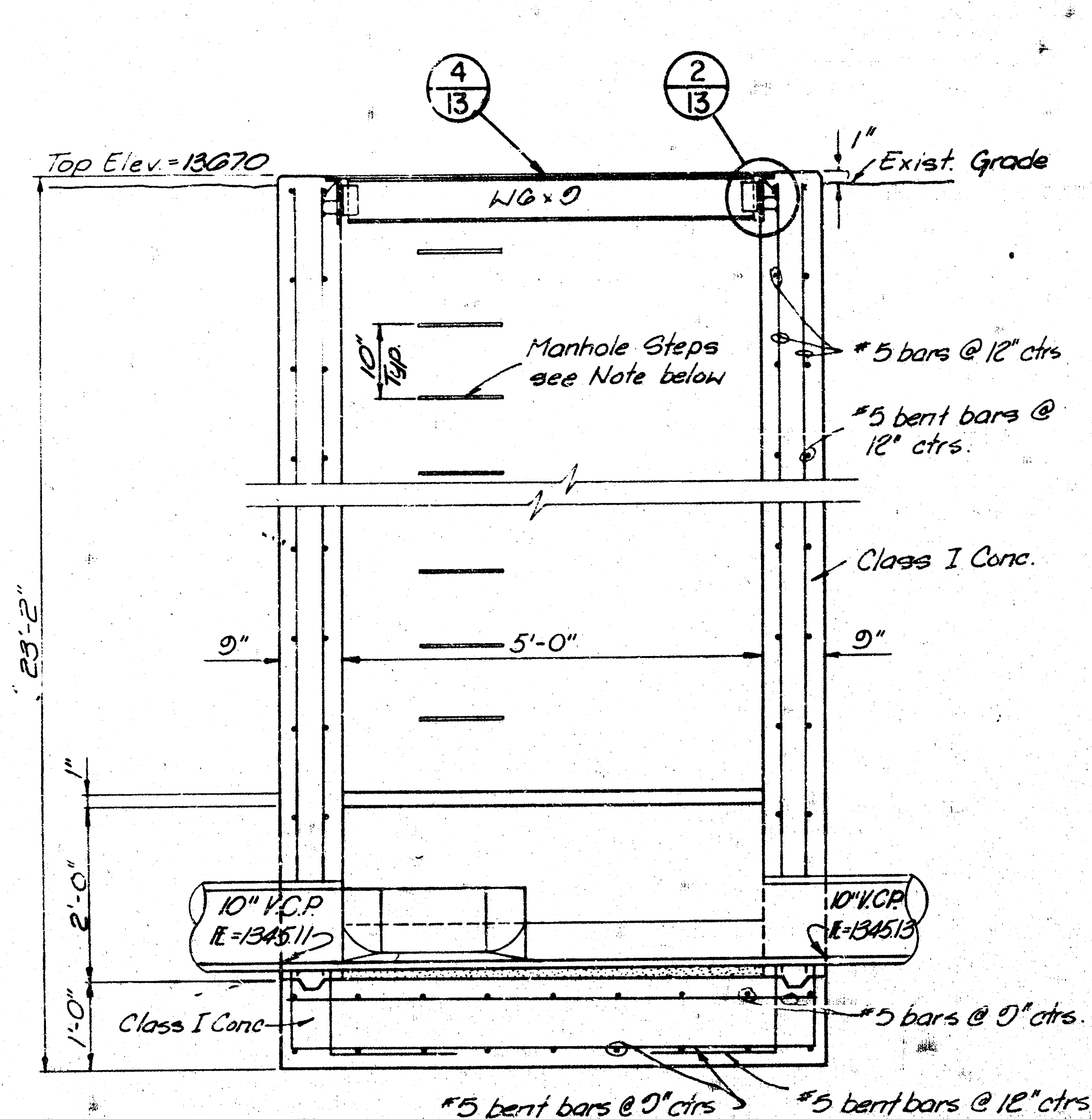




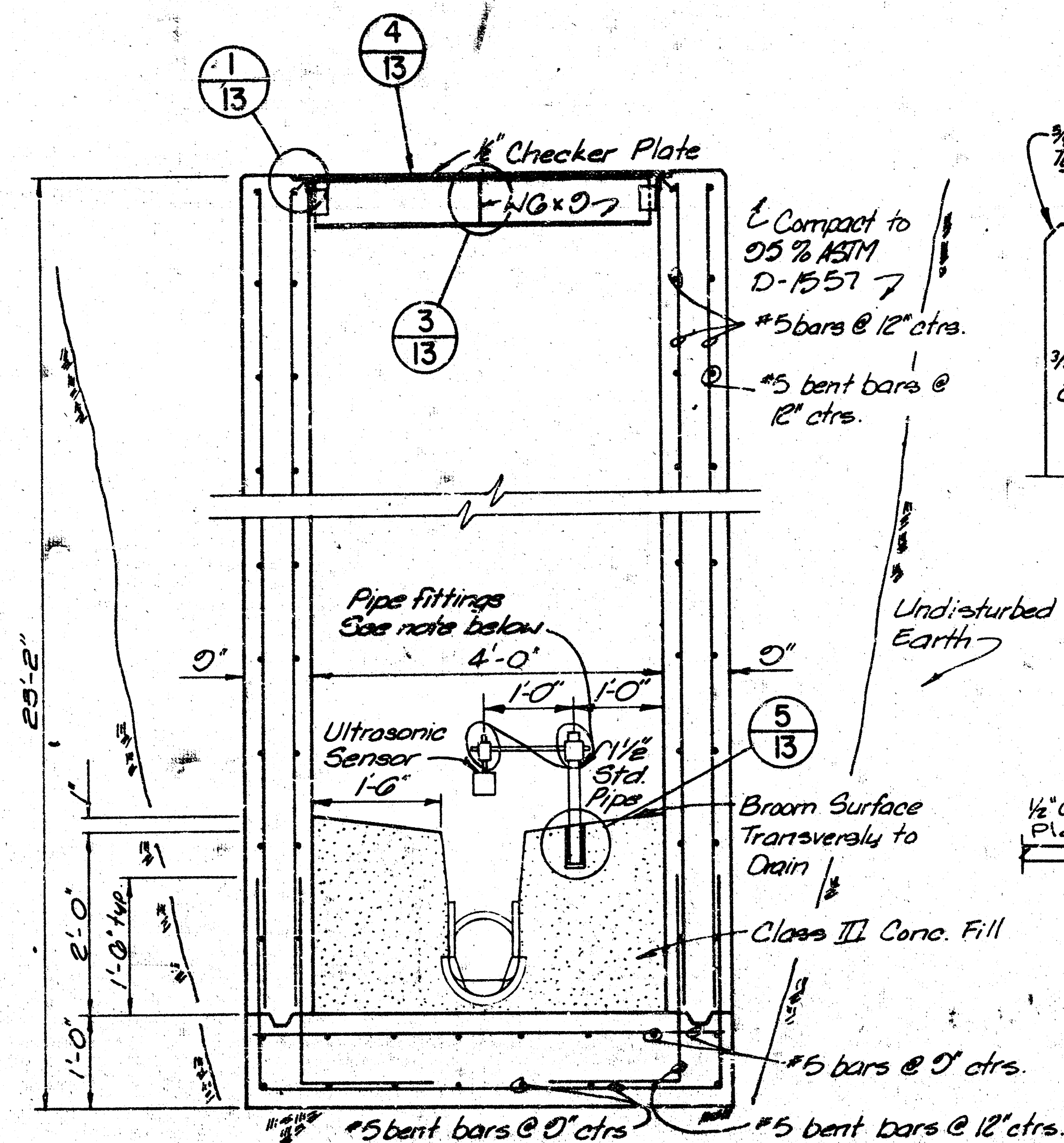
- | | | | |
|---|----------------|---------|----------|
| BEECH AIRCRAFT CORP. | | | |
| PLANT ENGINEERING DEPT. | | | |
| FLOW MONITORING
AND SEWER MODIFICATIONS
PLANT III | | | |
| DESIGNED: | DATE | CHECKED | APPROVED |
| DRAWN: | | | |
| SCALE | No. D0-312G-12 | | |

Sht. 1 of 3 3

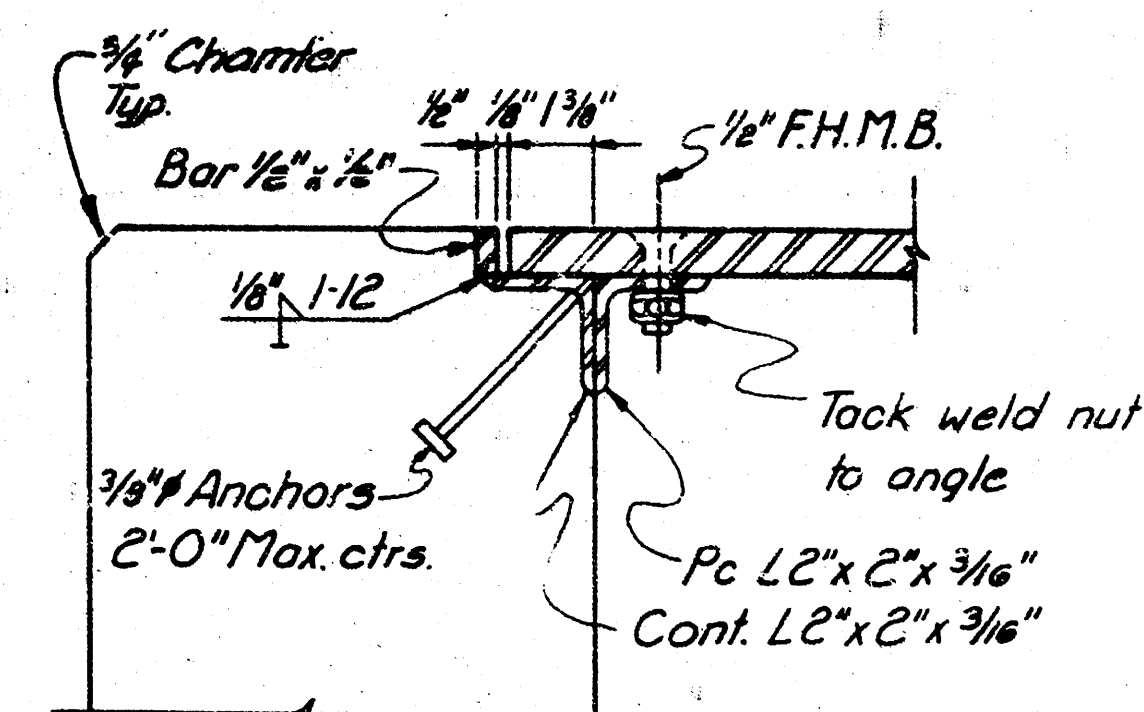


SECTION A-A
3/4"=1'-0"

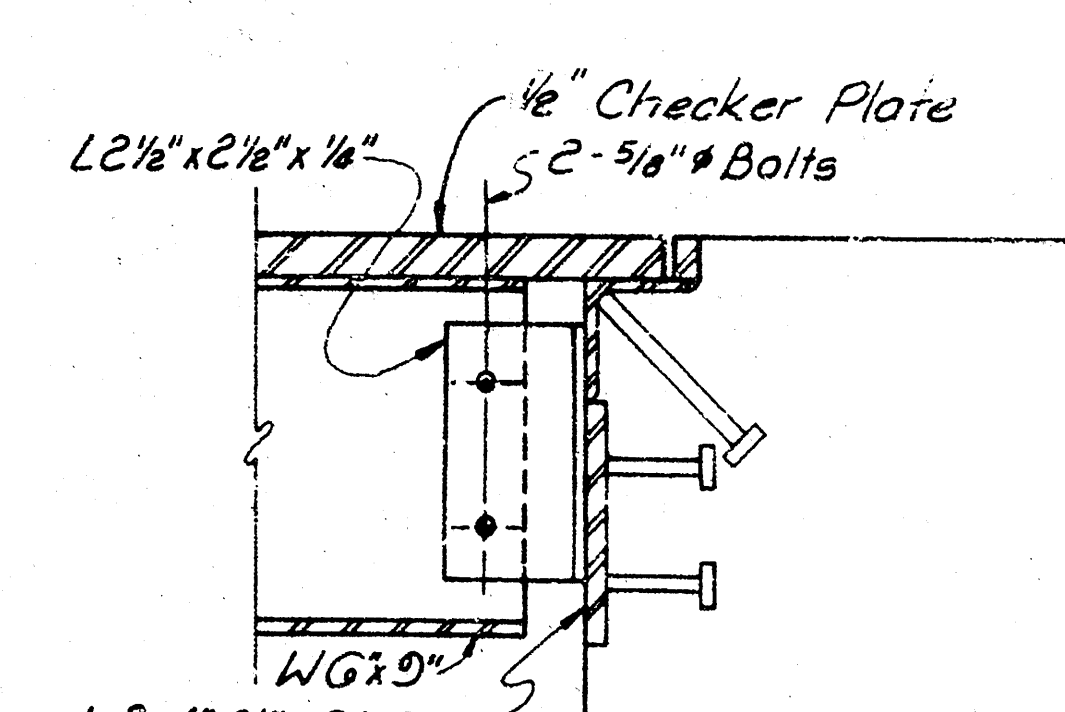
Note: Pipe fittings to allow for vertical & horizontal adjustments or removal of equipment.



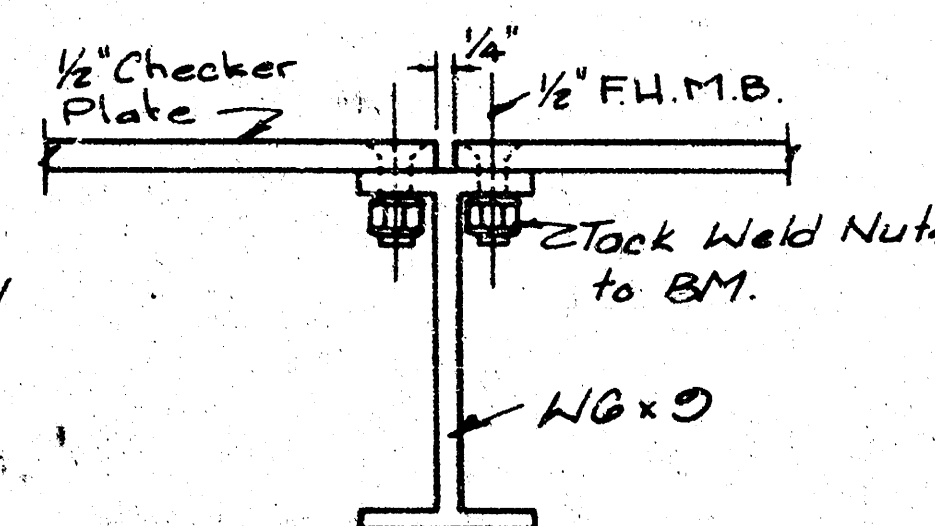
SECTION B-B
3/4"=1'-0"



DETAIL 1
SCALE: 3/4"=1'-0"

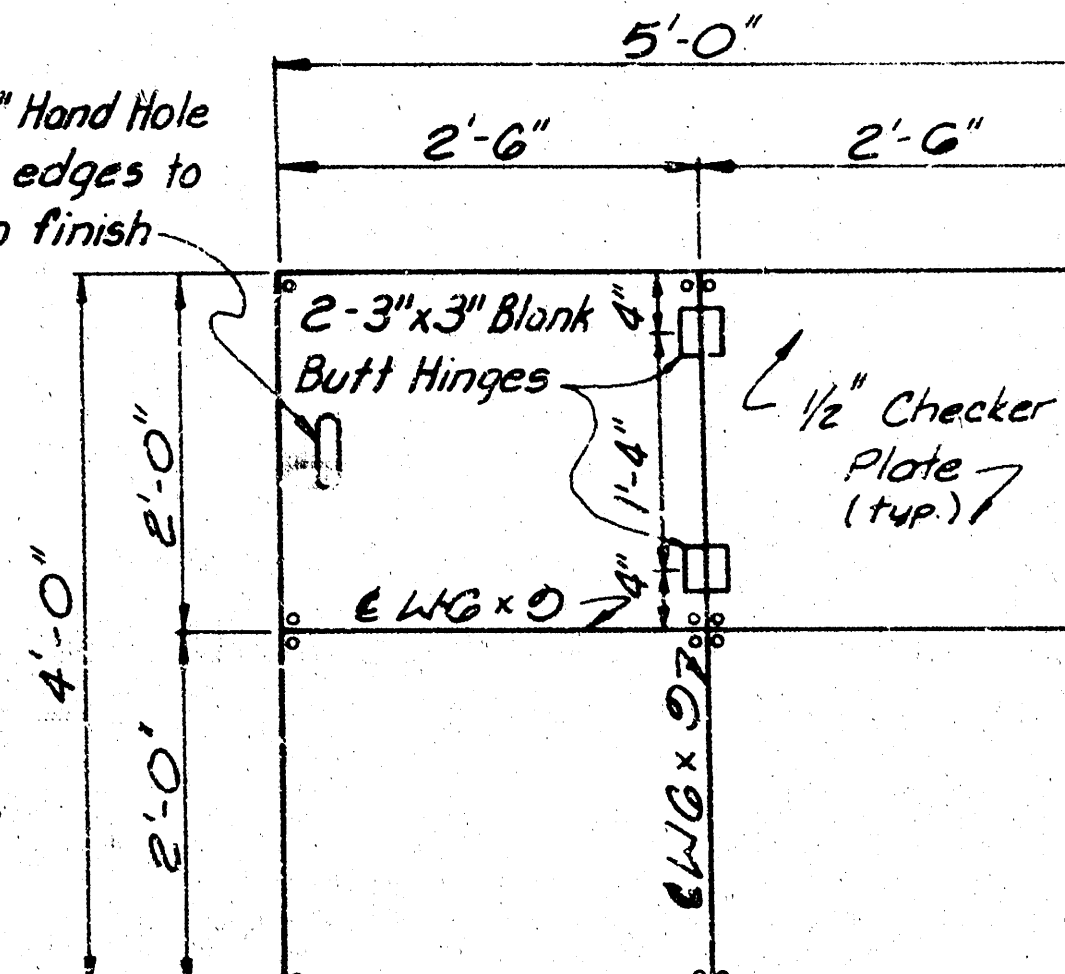


DETAIL 2
SCALE: 3/4"=1'-0"

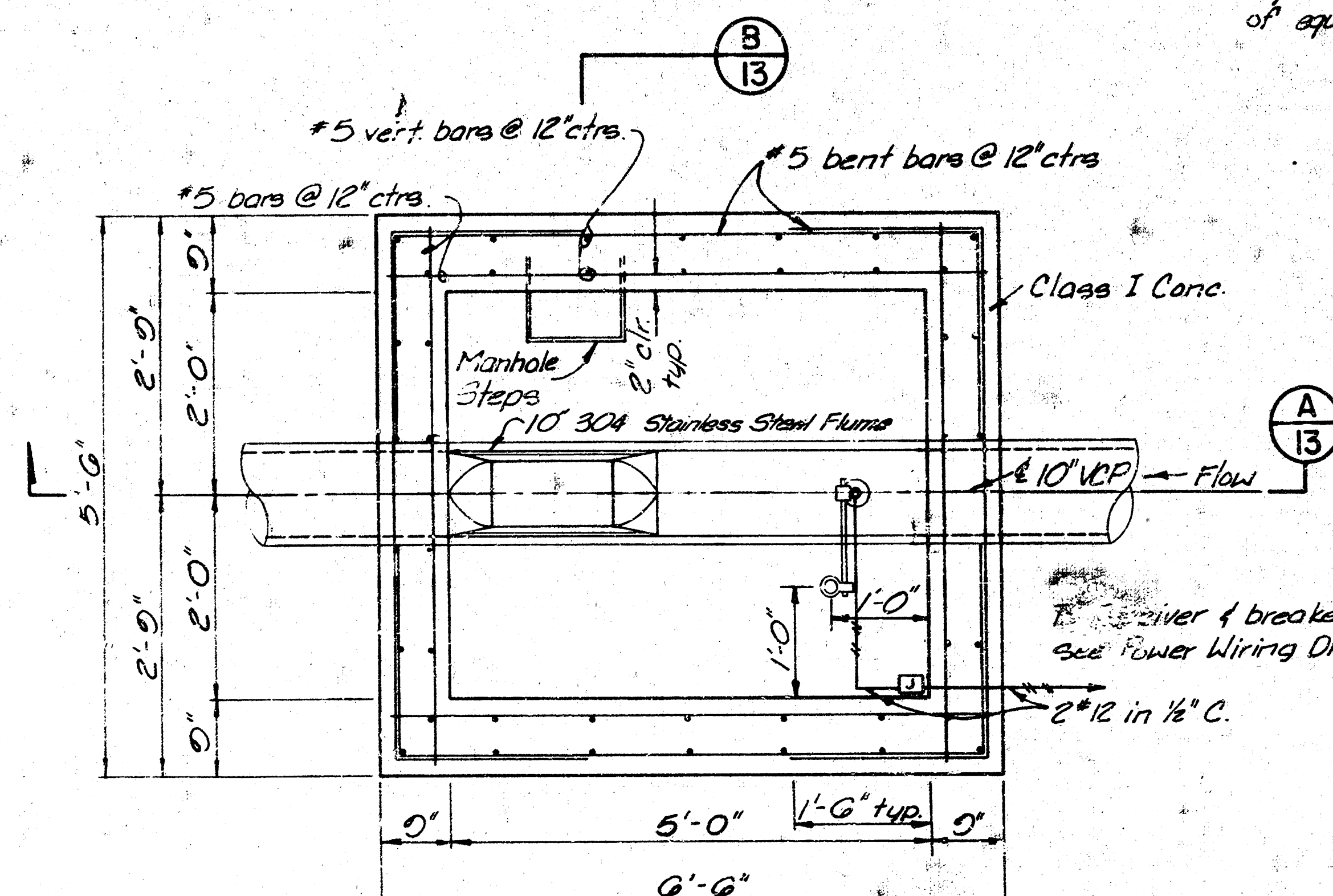


DETAIL 3
SCALE: 3/4"=1'-0"

Note: All Structural Steel shall be Hot Dipped Galvanized.

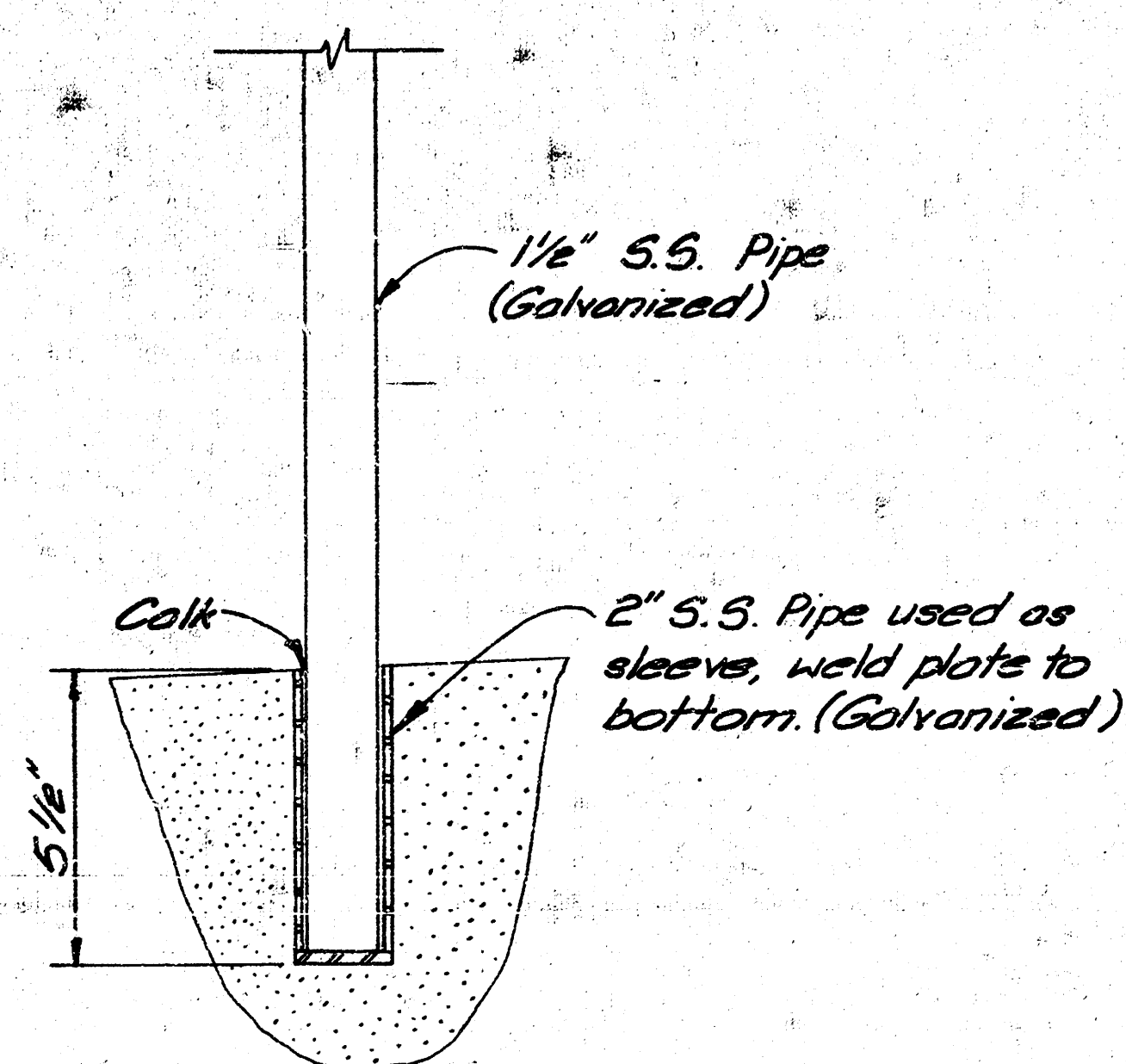


DETAIL 4
SCALE: 3/4"=1'-0"

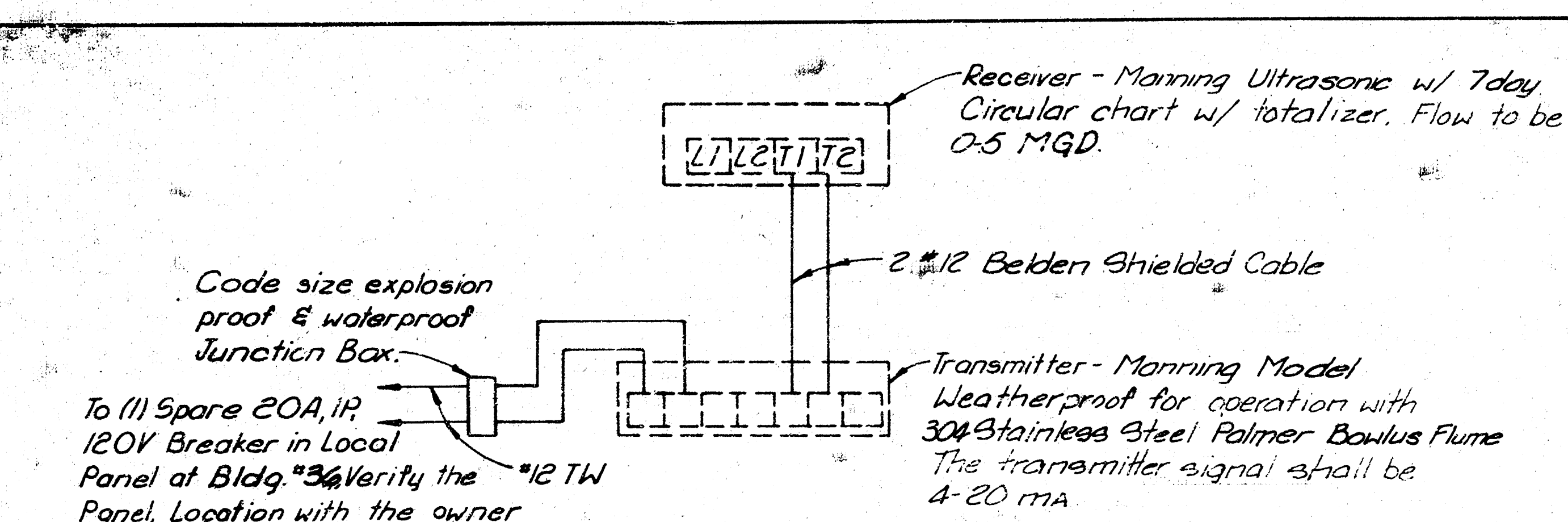


PLAN FLUME STRUCTURE
3/4"=1'-0"

Note: Manhole steps for the Flume Structure shall be M.A. Industries Model PB-1-PF. M.A. Industries are located in Peach Tree City, GA. Tele. (404) 487-7761, Ext. 511.



DETAIL 5
SCALE: 3/4"=1'-0"

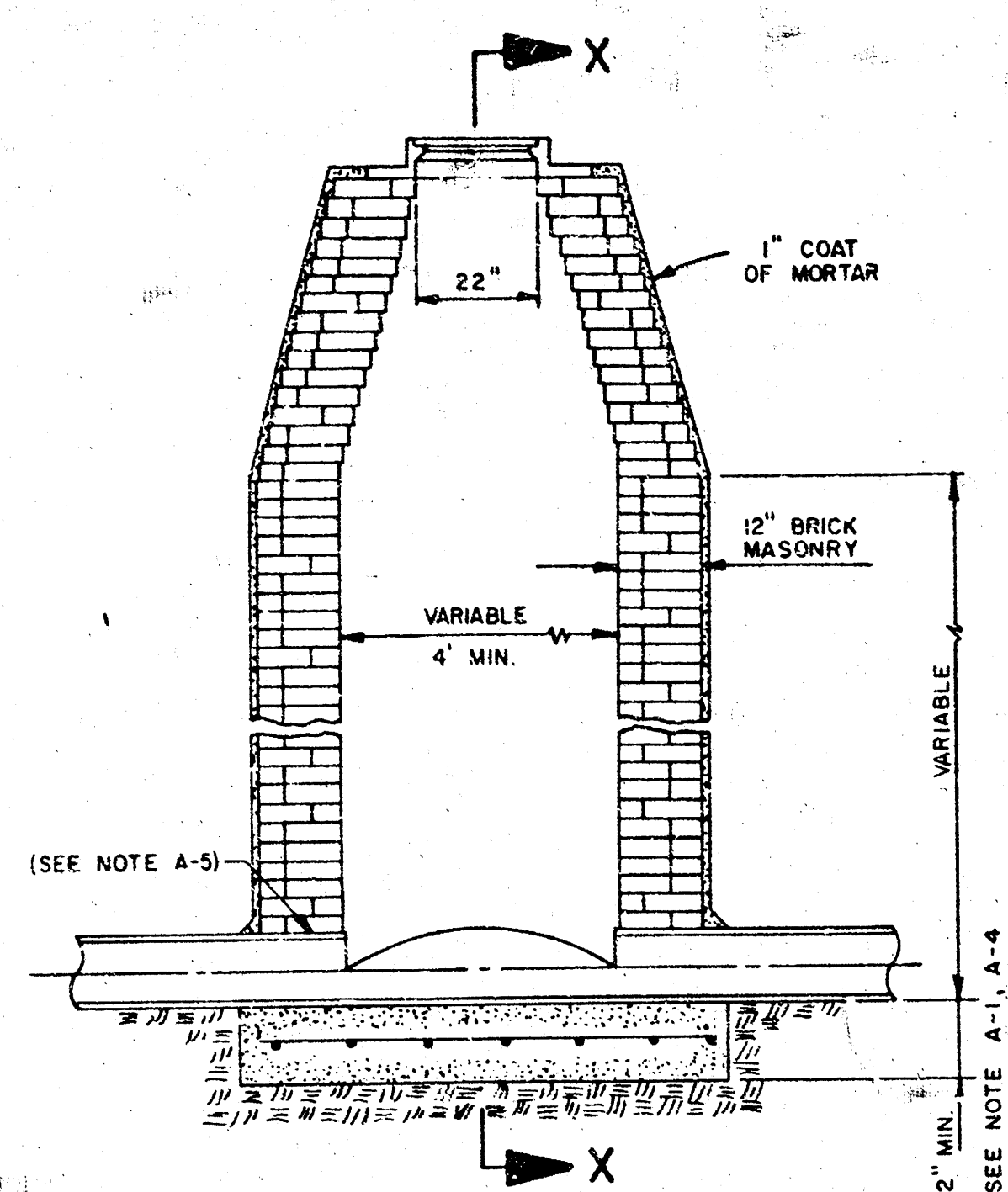


TRANSMITTER & RECEIVER POWER WIRING DIAGRAM

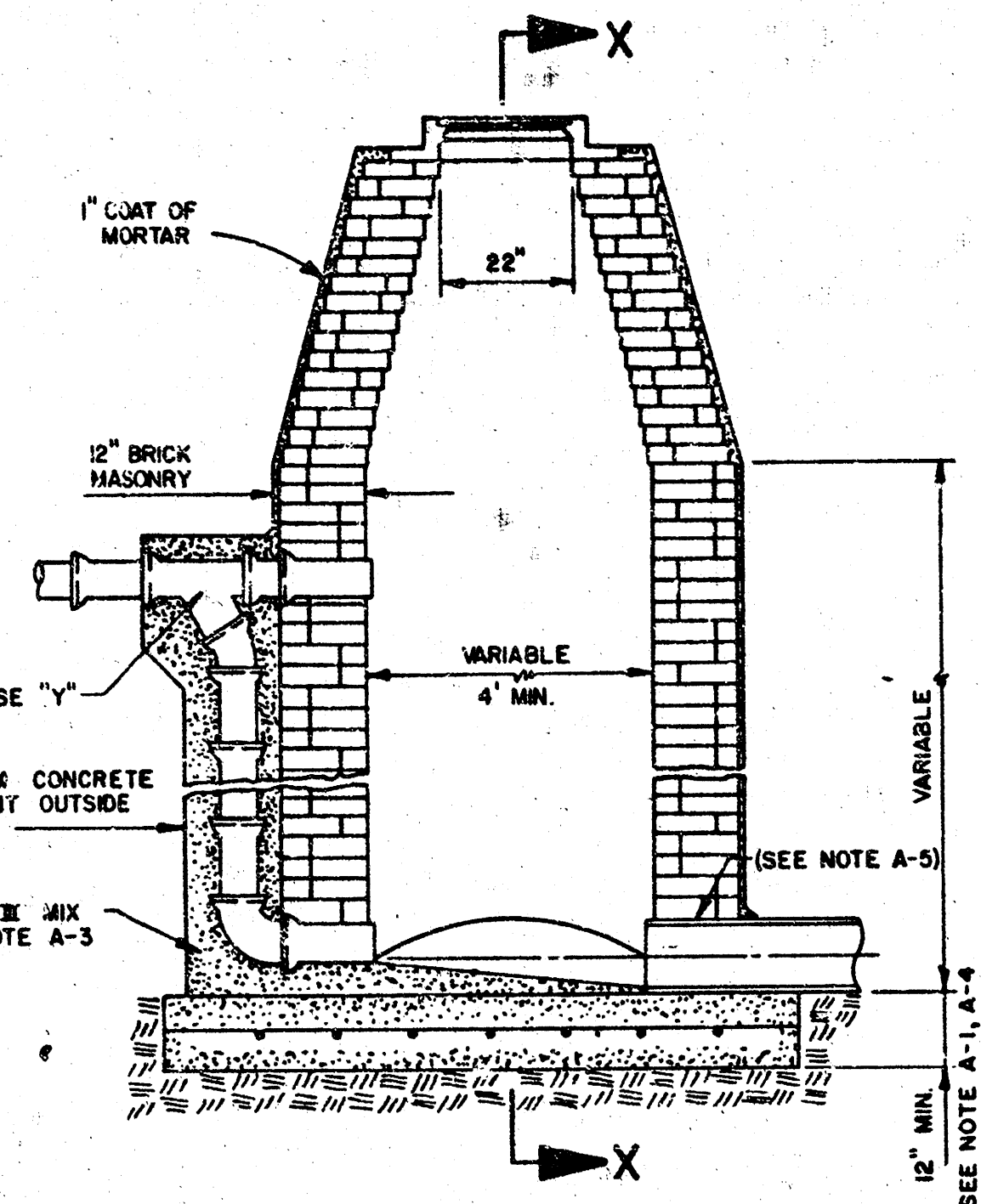
- ELECTRICAL NOTES:**
1. Provide Explosion Proof Seals in Flume Structure.
 2. Power source need not be the same phase at transmitter & receiver.
 3. U.L. approved 40 PVC Conduit shall be used where feeders are to run underground. Provide Steel E.H. and Riser where PVC Conduit is to run above ground. All PVC Conduit shall be provided with separate ground conductor, sized per N.E.C.
 4. The 1/2" Conduit shall be installed along the inside wall of the west Tunnel and up through the floor into the Boiler Room located in Plant III. Installation shall be coordinated and approved by Beech Aircraft prior to installation. The recorder shall be mounted inside the Boiler Room at a location provided by Beech Aircraft.
 5. The transmitter and receiver shall be provided with a one year warranty & one year supply of ink & charts. One day start up service shall be provided by the equipment manufacturer to calibrate and start up the transmitter & receiver.

BEECH AIRCRAFT CORP.			
PLANT ENGINEERING DEPT.			
FLOW MONITORING AND SEWER MODIFICATIONS PLANT III			
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SCALE: No. D0-312G-13			

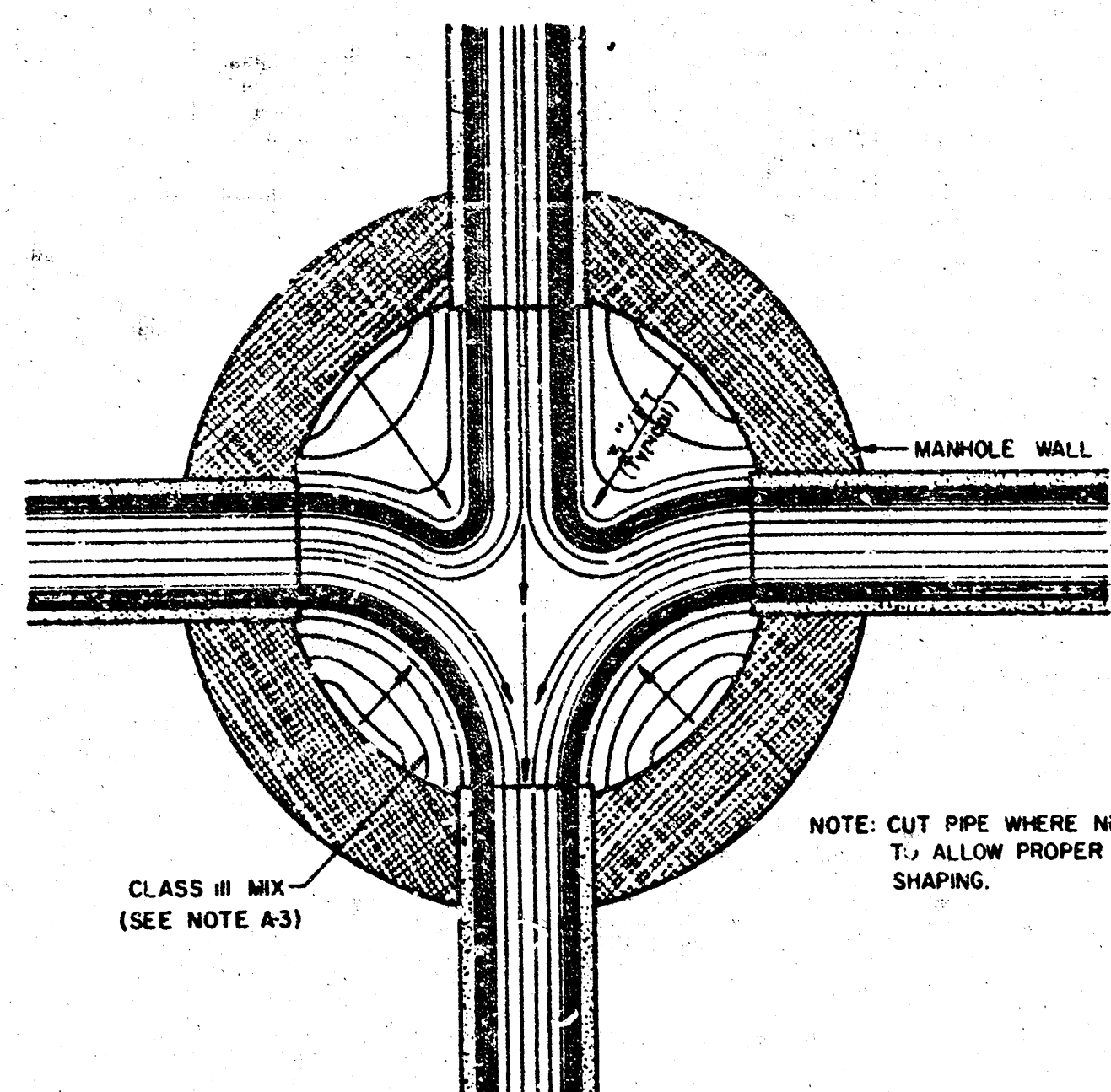
DO NOT TRIM THIS BORDER WHEN PRINTS ARE TO BE BOUND



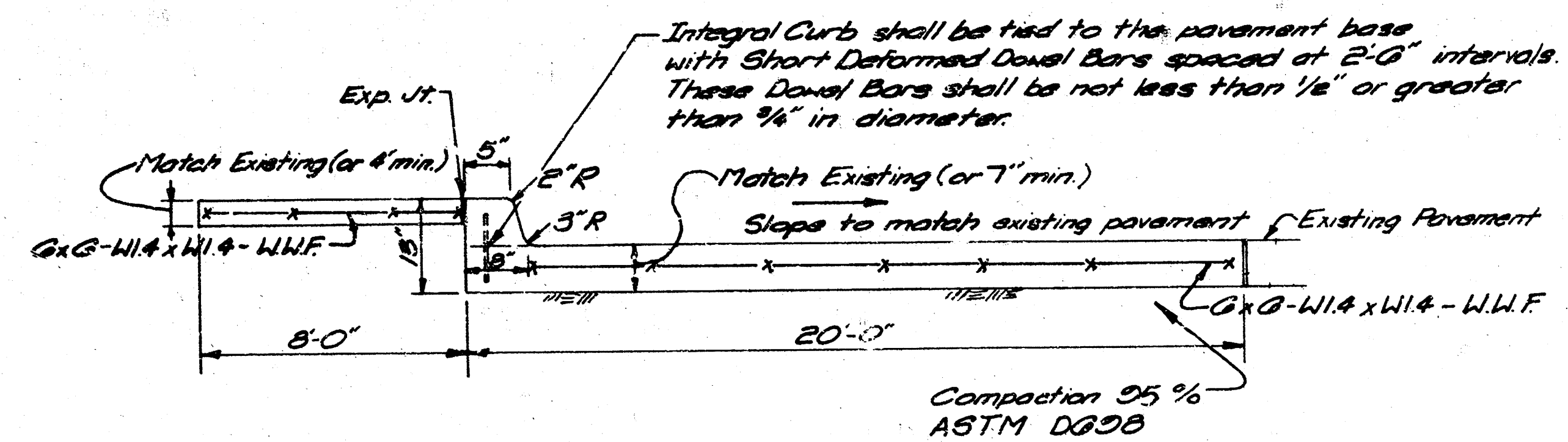
STANDARD MANHOLE
TYPE AA



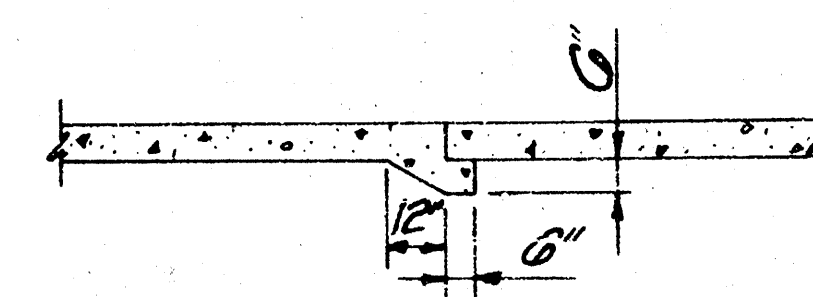
OUTSIDE DROP MANHOLE
TYPE CC



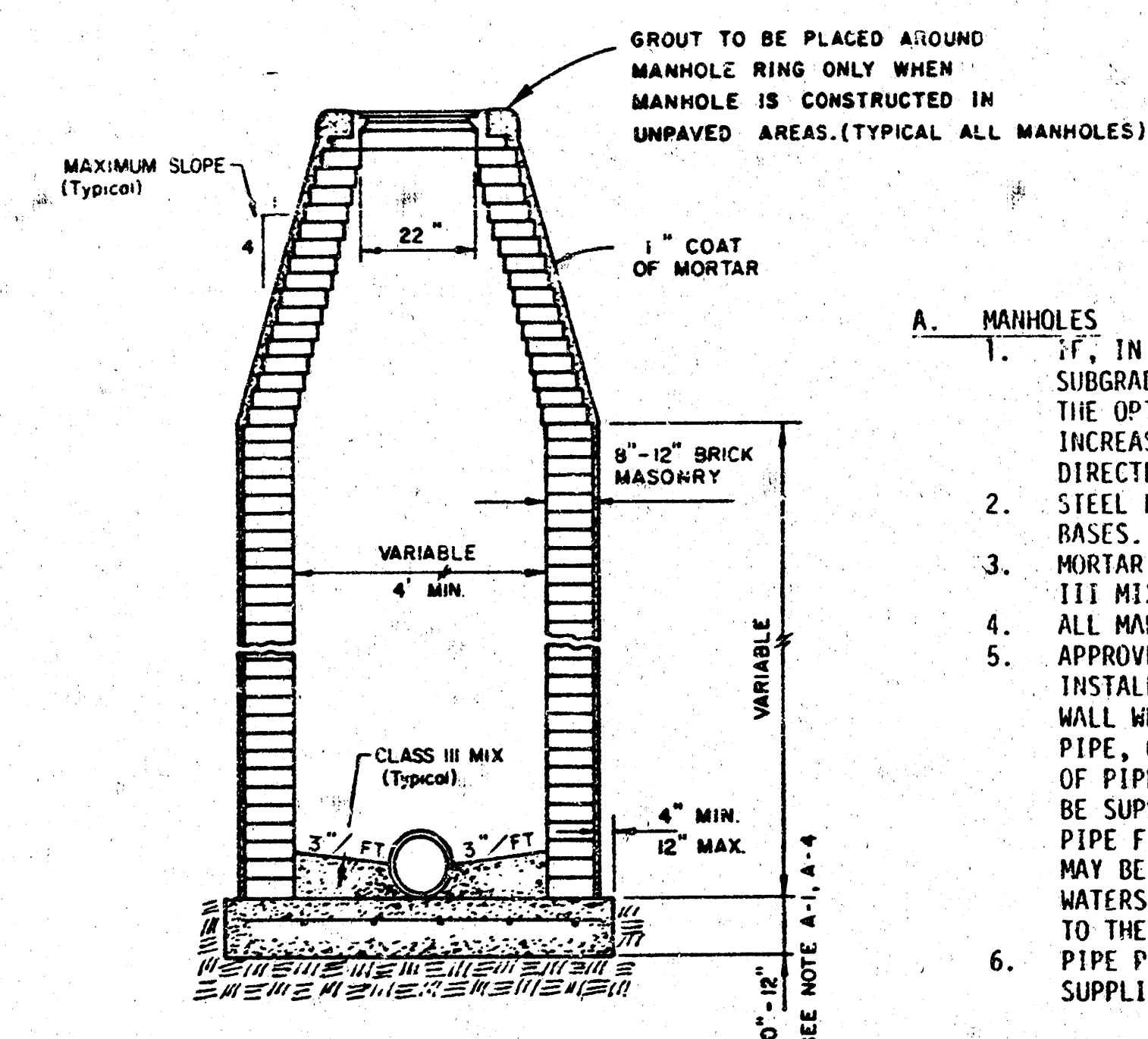
TYPICAL MANHOLE
FLOOR SHAPING



TYPICAL SECTION
SIDEWALK & CONCRETE PAVEMENT

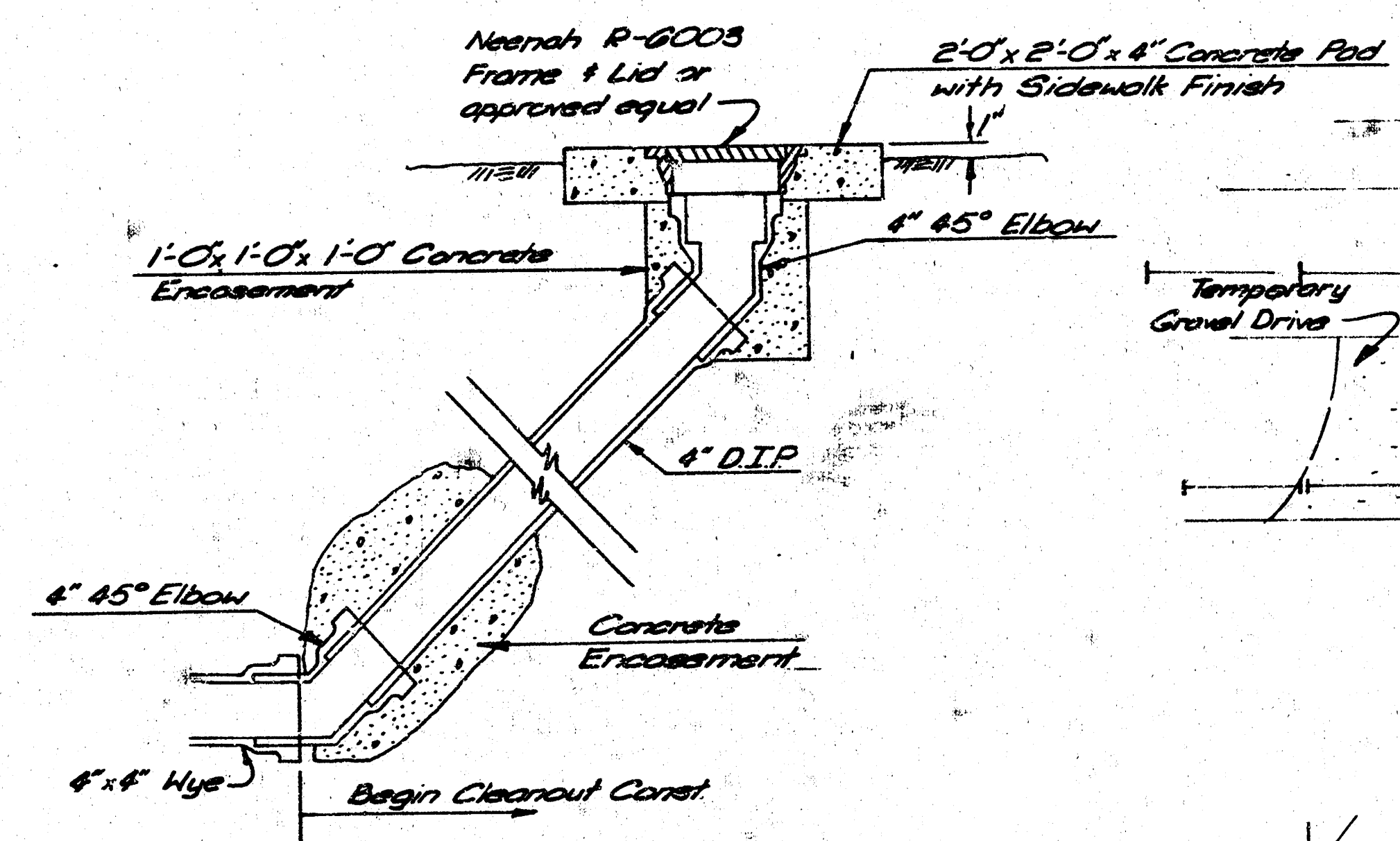


UNDERPINNING DETAIL
As Noted below

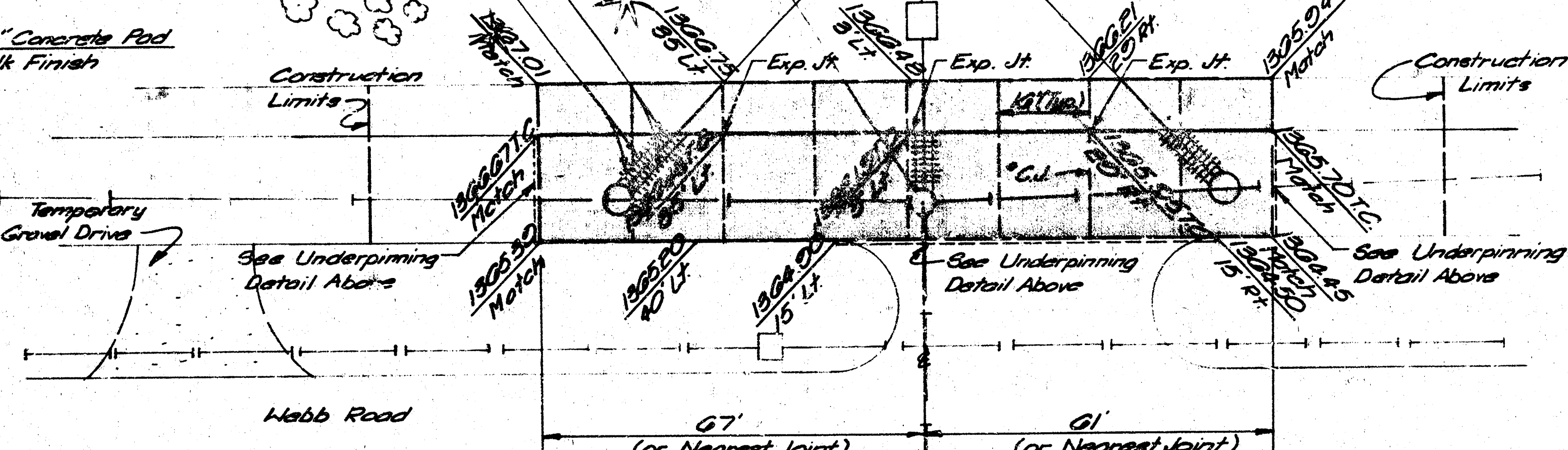


SECTION X

- NOTES
1. IN THE OPINION OF THE ENGINEER, THE MANHOLE SUBGRADE APPEARS UNSTABLE, THE CONTRACTOR HAS THE OPTION TO COMPACT SUBGRADE AS SHOWN OR INCREASE THE THICKNESS OF THE MANHOLE BASE AS DIRECTED BY THE ENGINEER.
 2. STEEL REINFORCING IS REQUIRED IN ALL MANHOLE BASES.
 3. MORTAR USED IN MASONRY CONSTRUCTION TO BE CLASS III MIX.
 4. ALL MANHOLE BASES TO BE CLASS I MIX.
 5. APPROVED FLEXIBLE WATERSTOP GASKETS SHALL BE INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL WHEN A.B.S., COMPOSITE PIPE, POLYETHYLENE PIPE, OR P.V.C. PIPE IS USED. FOR OTHER TYPES OF PIPE THE SEWER EXTENDING FROM MANHOLES SHALL BE SUPPORTED WITH CONCRETE TO THE FIRST JOINT OF PIPE FROM THE MANHOLE WALL. CONCRETE SUPPORTS MAY BE DELETED PROVIDED AN APPROVED FLEXIBLE WATERSTOP GASKET IS INSTALLED TO JOIN THE SEWER TO THE MANHOLE WALL.
 6. PIPE PLUGS SHALL BE AS MANUFACTURED BY PIPE SUPPLIER WHEN AVAILABLE.



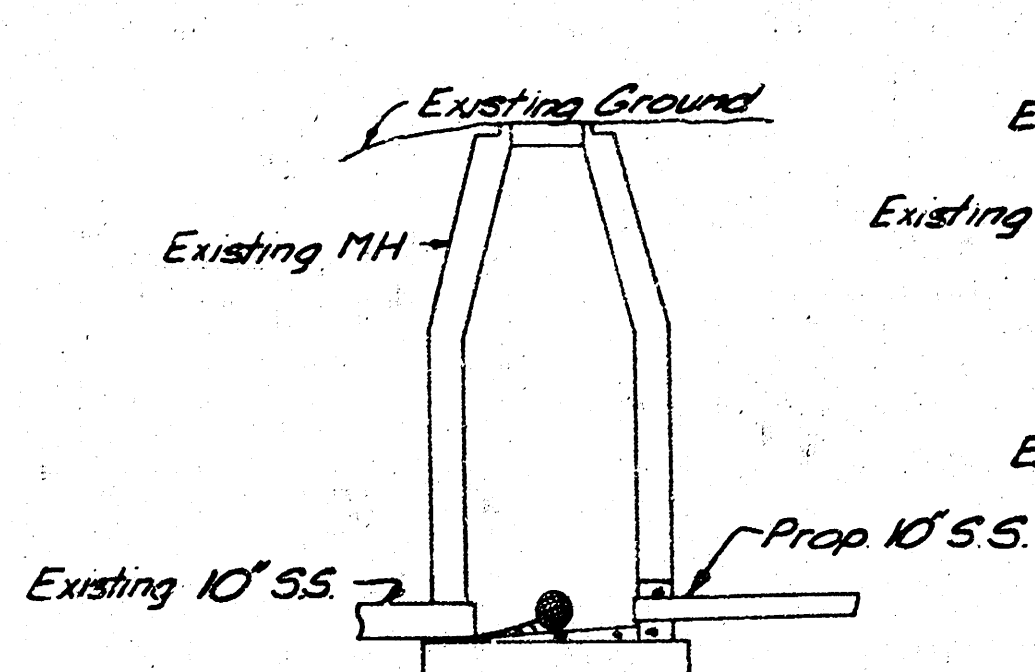
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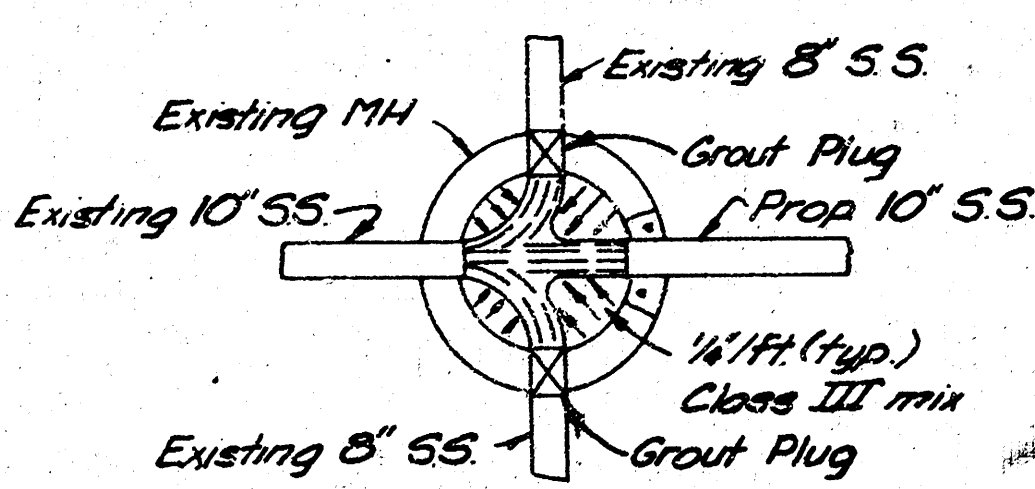
CONCRETE PAVEMENT DETAIL

Construction Priority List	
Priority	Description
1	Construct MH #1.
1	Construct Flume Structure and monitoring Equipment.
1	Construct MH #2 around existing Sanitary Sewer, existing sewer to remain in service.
1	Construct MH #3 around existing Sanitary Sewer, existing sewer to remain in service.
1	Install Lines 1, 2 and 3 and provide temporary plug at Station 0+00.
2	Remove temporary plug at Station 0+00.
2	Install Line No. 4 from Station 0+55.
2	Break out existing sewer line at MH #2 and MH #3 and plug existing sewer lines.
2	Start up Metering Equipment.
2	Replace Pavement and Sidewalk.
2	Sod and Cleanup.

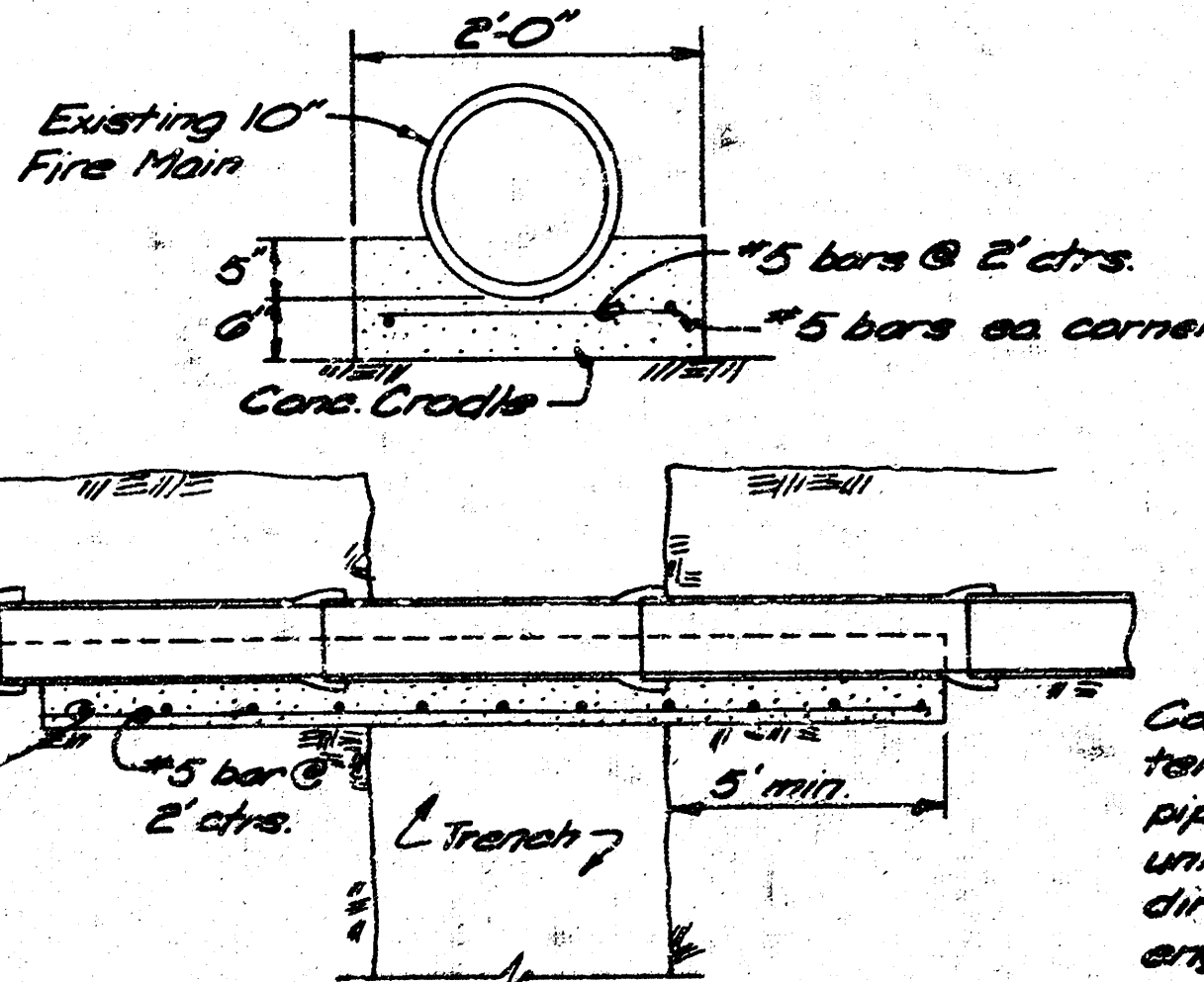
Note: Construction Priority List Ranking
1 Highest Priority
2 Lowest Priority



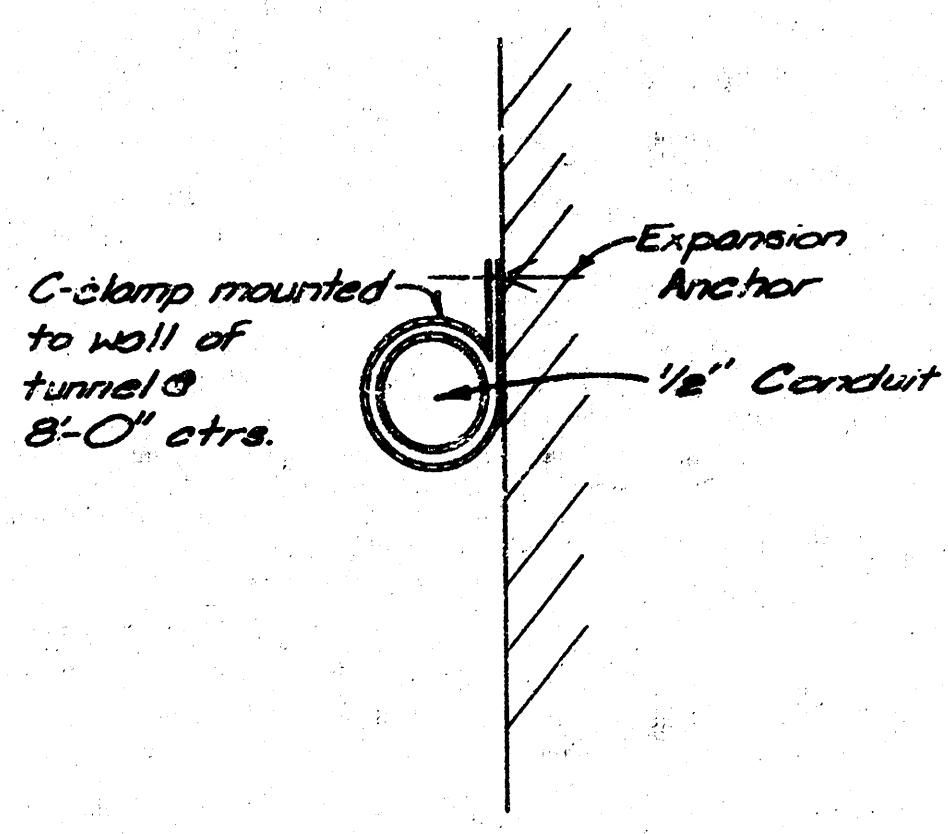
EXISTING MH
BREAK IN & MODIFICATION
DETAIL



EXISTING MH
FLOOR SHAPING DETAIL



CONCRETE CRADLE DETAIL



TYPICAL CONDUIT
MOUNTING DETAIL

Note: Breakout Existing MH wall as necessary, install pipe, and regrout watertight with nonshrink grout

DATE	NATURE OF REVISION	BY	CHK'D	APPR.



PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

REFERENCE DRAWINGS

APPROVED	TITLE	DATE

BEECH AIRCRAFT CORP.			
PLANT ENGINEERING DEPT.			
FLOW MONITORING AND SEWER MODIFICATIONS PLANT III			
DESIGNED:	DATE	CHECKED	APPROVED
DRAWN:			
SCALE	No. 00-312G-14		