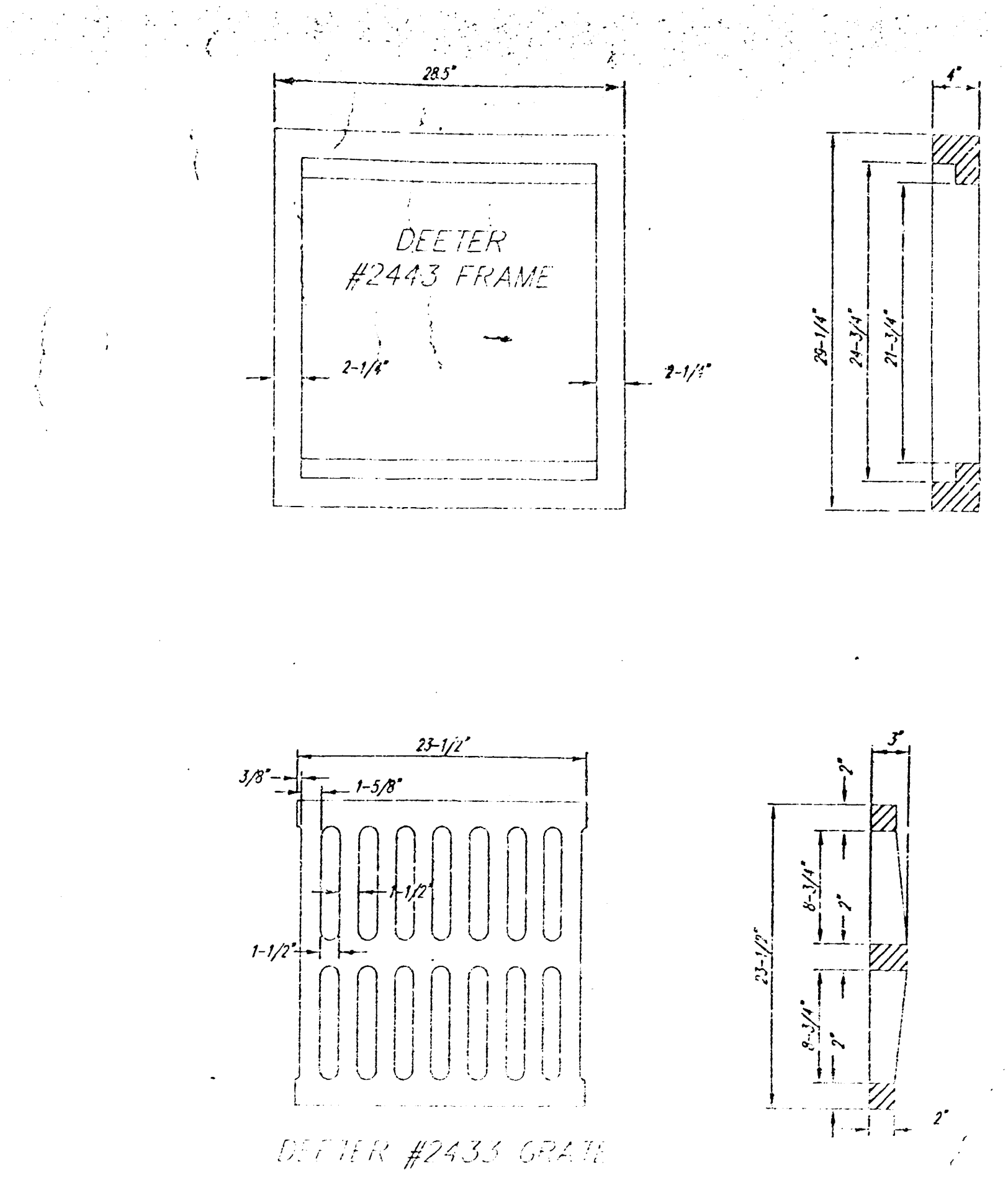
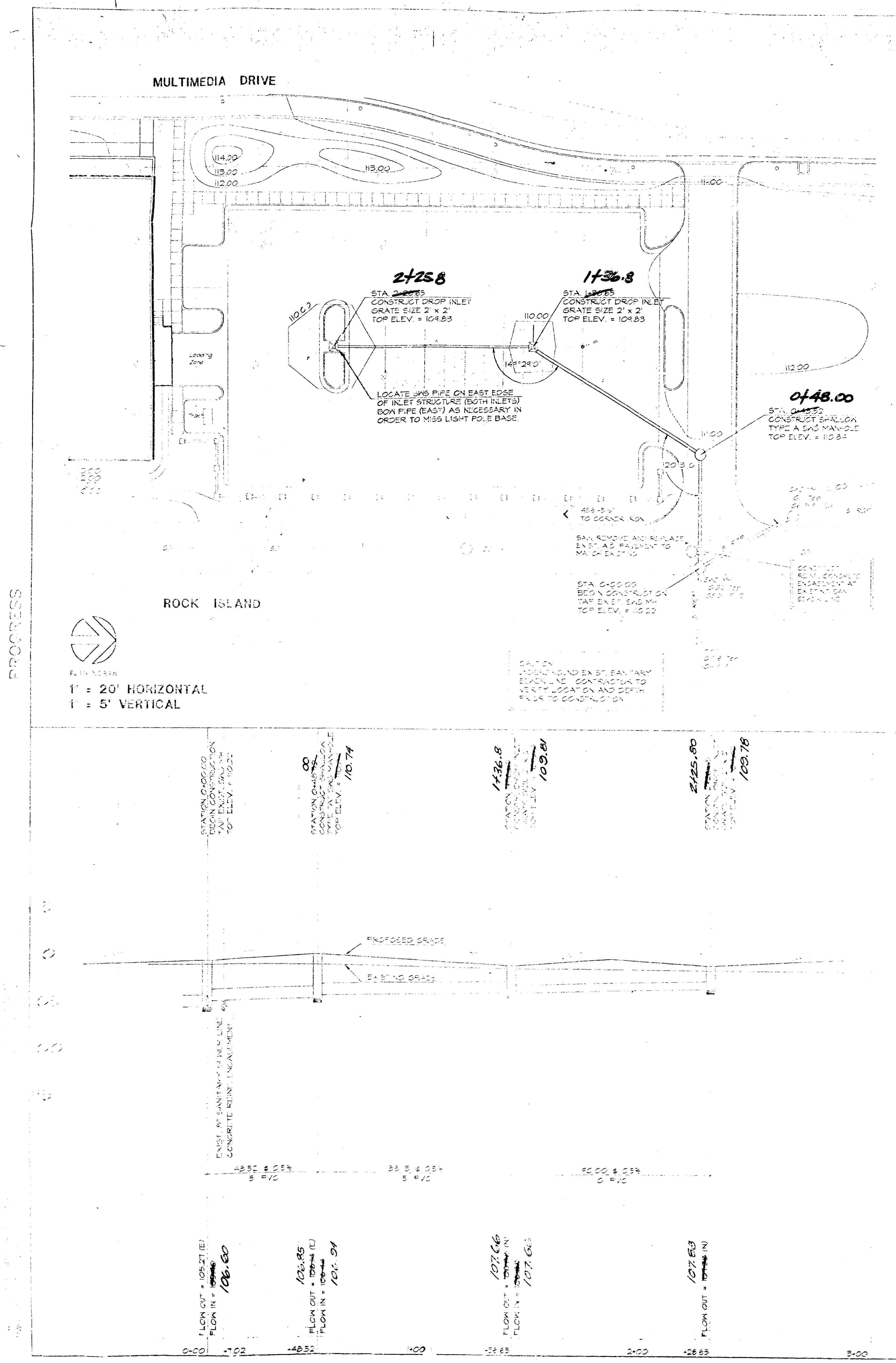
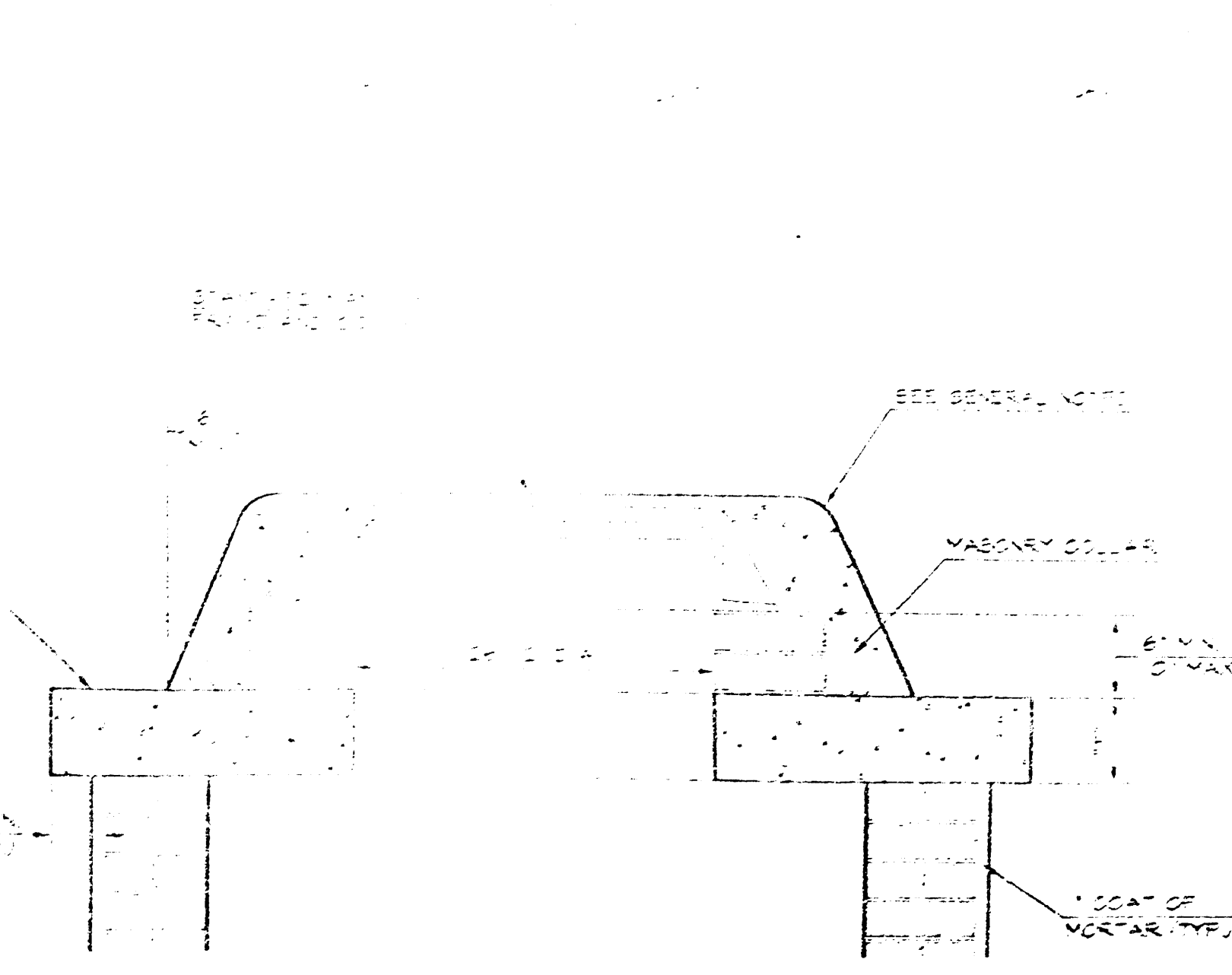
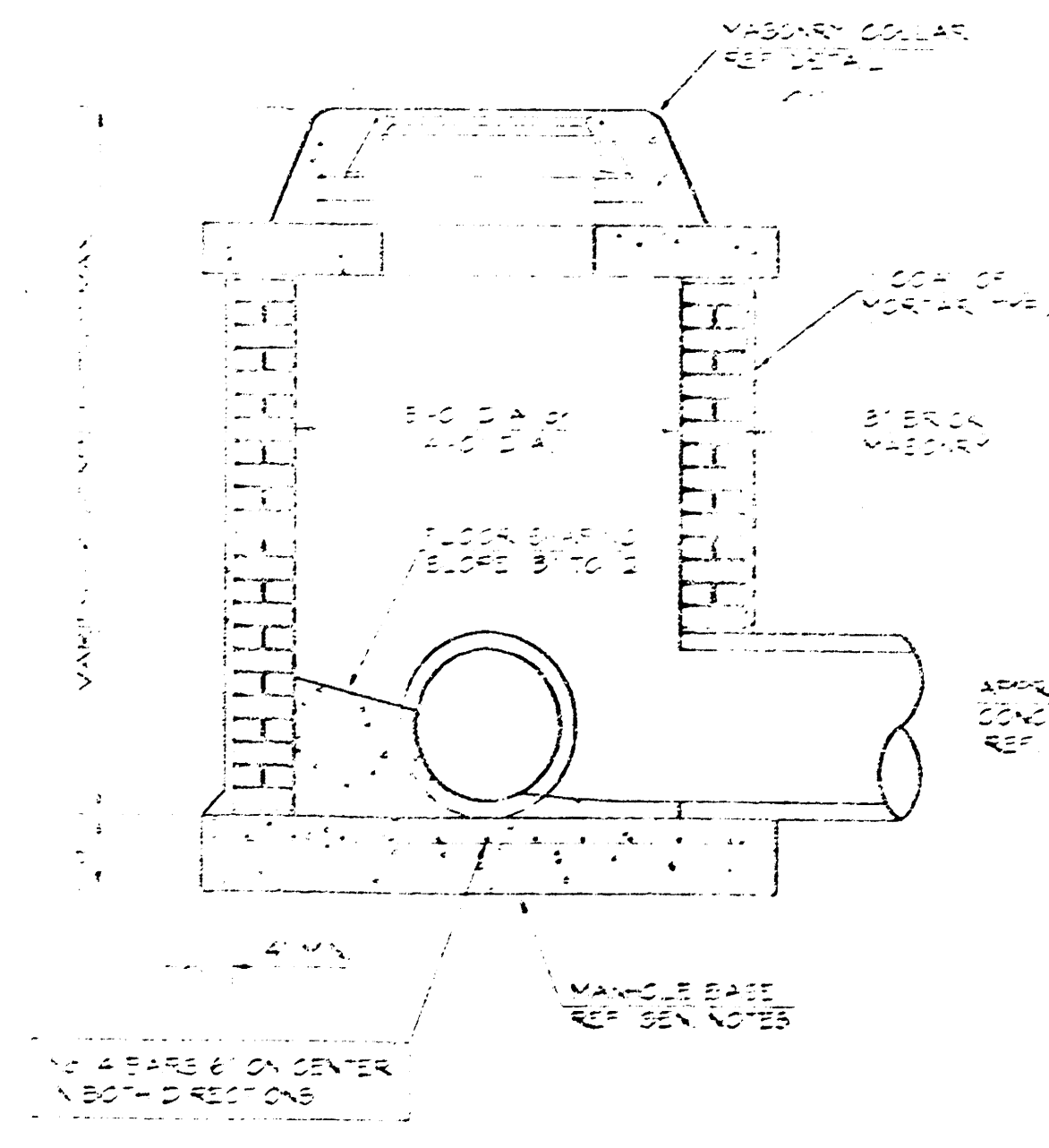
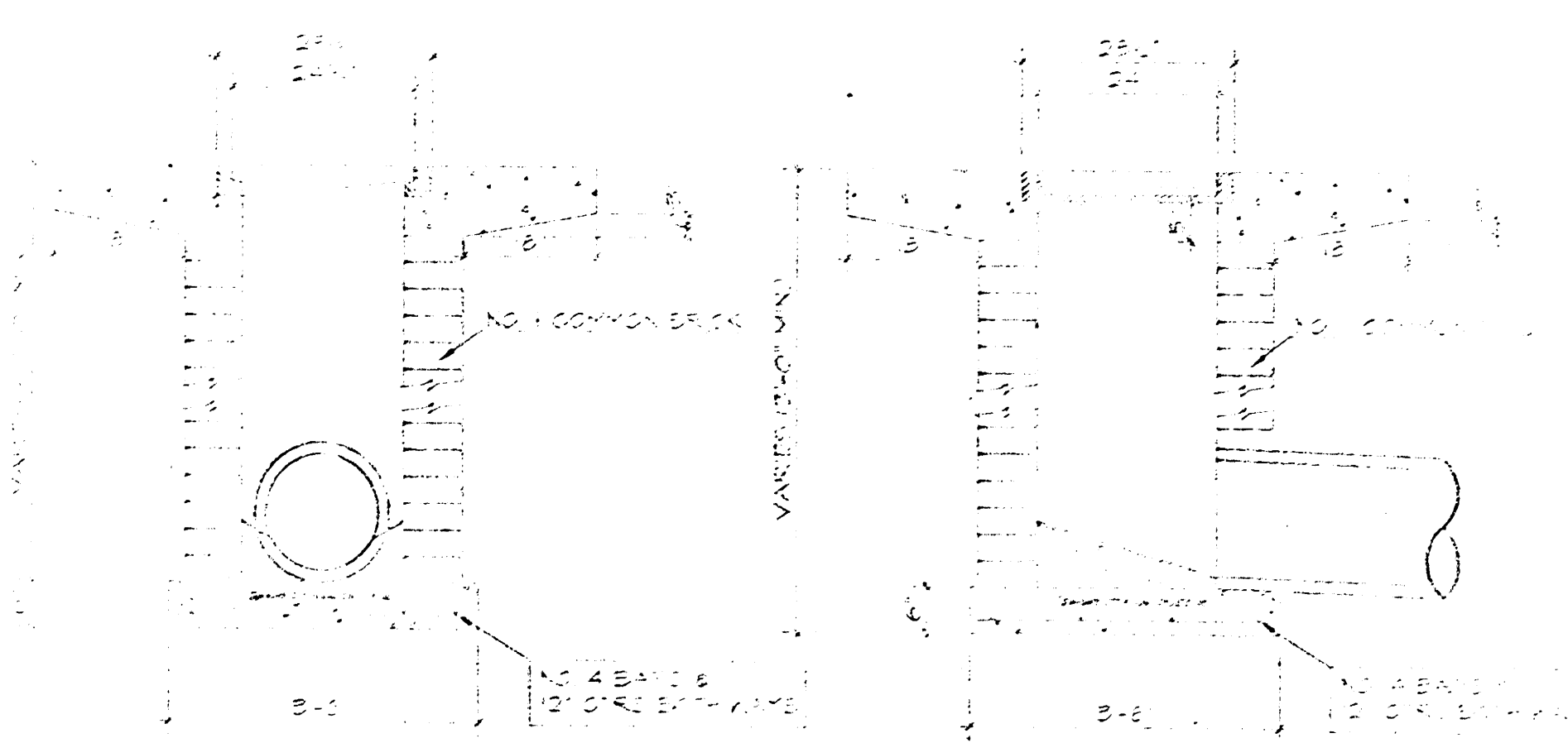




24" x 24" FRAME AND GRATE DETAIL



BENCH MARK: Railroad Spike in the Power Pole North of Waterman on West Side of Rock Island. Elevation = 110.34 City Datum.

BENCH MARK: "Y" Cut Under Railroad Overpass On Concrete Bladenak (North Side) Elevation = 107.74 City Datum.

GENERAL NOTES

- Mortar used in masonry construction shall contain 6 sacks of cement per cubic yard. Concrete used in manhole bases shall conform to the requirements of concrete for concrete pavement construction as specified in the city standards for waterworks.
- Reinforcing steel shall be installed in the manhole bases and shall consist of No. 4 bars placed on 6" centers in both directions. The manhole base reinforcement shall be placed 6" above the bottom of the manhole base. All grids for footing and installing reinforcing steel shall be included in the unit price bid for the manhole.
- The floors of all manholes shall be sloped with flow channels such that the manholes will be self-cleaning and free of debris where solids could be deposited or sewage flow through the manhole from all inlet pipes to the outlet pipe. Flow channels shall be formed to match the bottom of the inlet pipes and the outlet pipe as shown by the drawings. Manhole floors shall have slopes of 3 inches per foot in the areas outside of the flow channels sloping toward the flow channels. Pipes to flow through manholes shall have the top half rounded to meet the floor for the full 1/2 diameter of the manhole. Manhole floor shall be placed about the bottom half of the pipe when the floor is in the manhole.
- Pipes installed within the excavation made for the manhole shall be braced with concrete to the manhole base and shall be braced with concrete to the manhole base. The bracing shall be terminated in the manhole base and shall be braced with concrete to the manhole base. The bracing shall be terminated in the manhole base and shall be braced with concrete to the manhole base.
- All manhole bases shall be constructed with concrete to the manhole base and shall be braced with concrete to the manhole base. The bracing shall be terminated in the manhole base and shall be braced with concrete to the manhole base.
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REVISIONS

NO.	DATE	DESCRIPTION
1	10/15/94	ISSUED FOR BIDDING
2	10/15/94	ISSUED FOR BIDDING
3	10/15/94	ISSUED FOR BIDDING
4	10/15/94	ISSUED FOR BIDDING
5	10/15/94	ISSUED FOR BIDDING
6	10/15/94	ISSUED FOR BIDDING
7	10/15/94	ISSUED FOR BIDDING
8	10/15/94	ISSUED FOR BIDDING
9	10/15/94	ISSUED FOR BIDDING
10	10/15/94	ISSUED FOR BIDDING

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NEW ASSOCIATE CENTER MULTIMEDIA SECURITY, INC. WICHITA

REVISION DATE

PROJECT NO. 2415 CG

DATE 22 March, 1994

SWS

48-45-5-B

Revised 2-3-95 As-Built