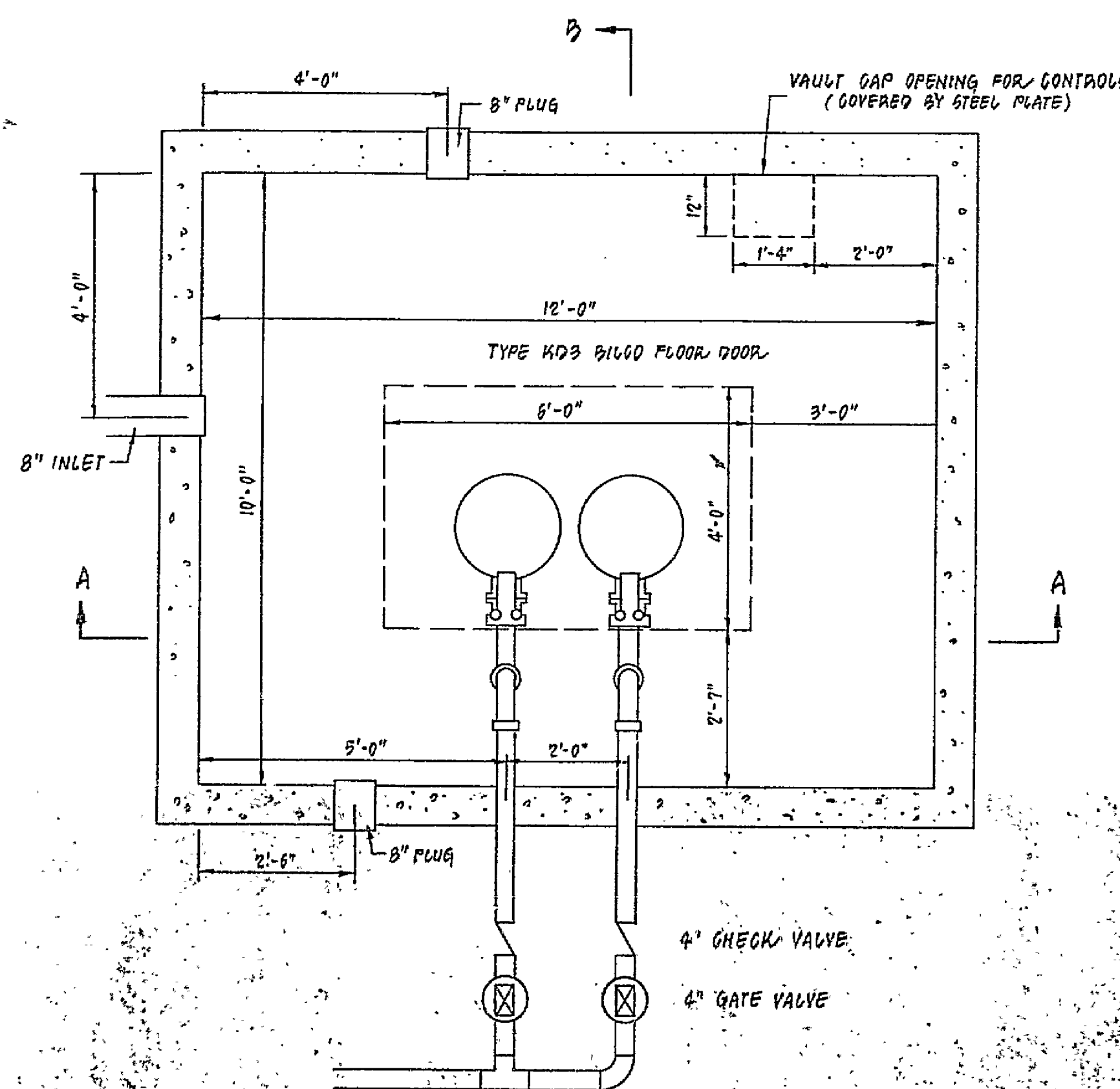
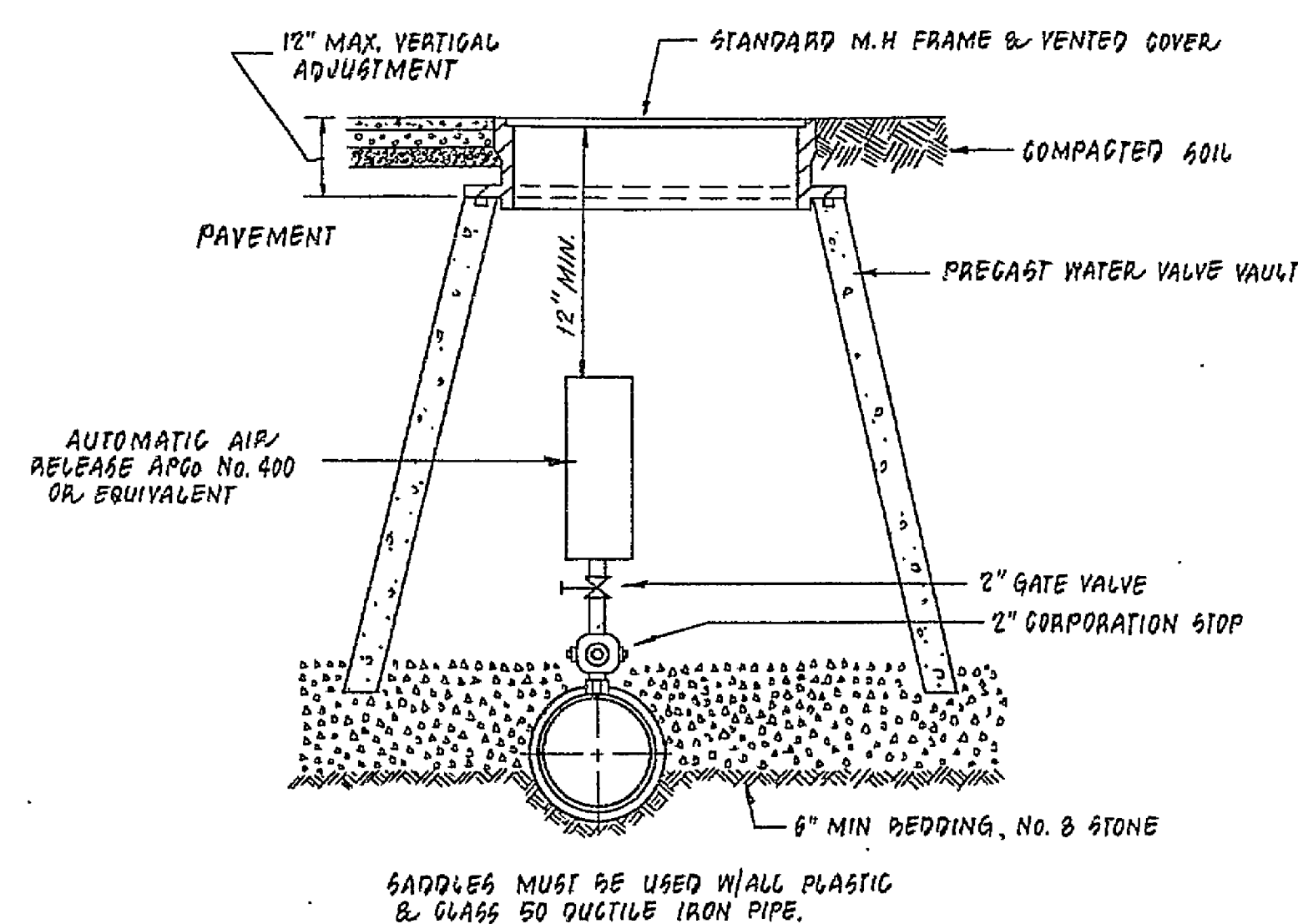


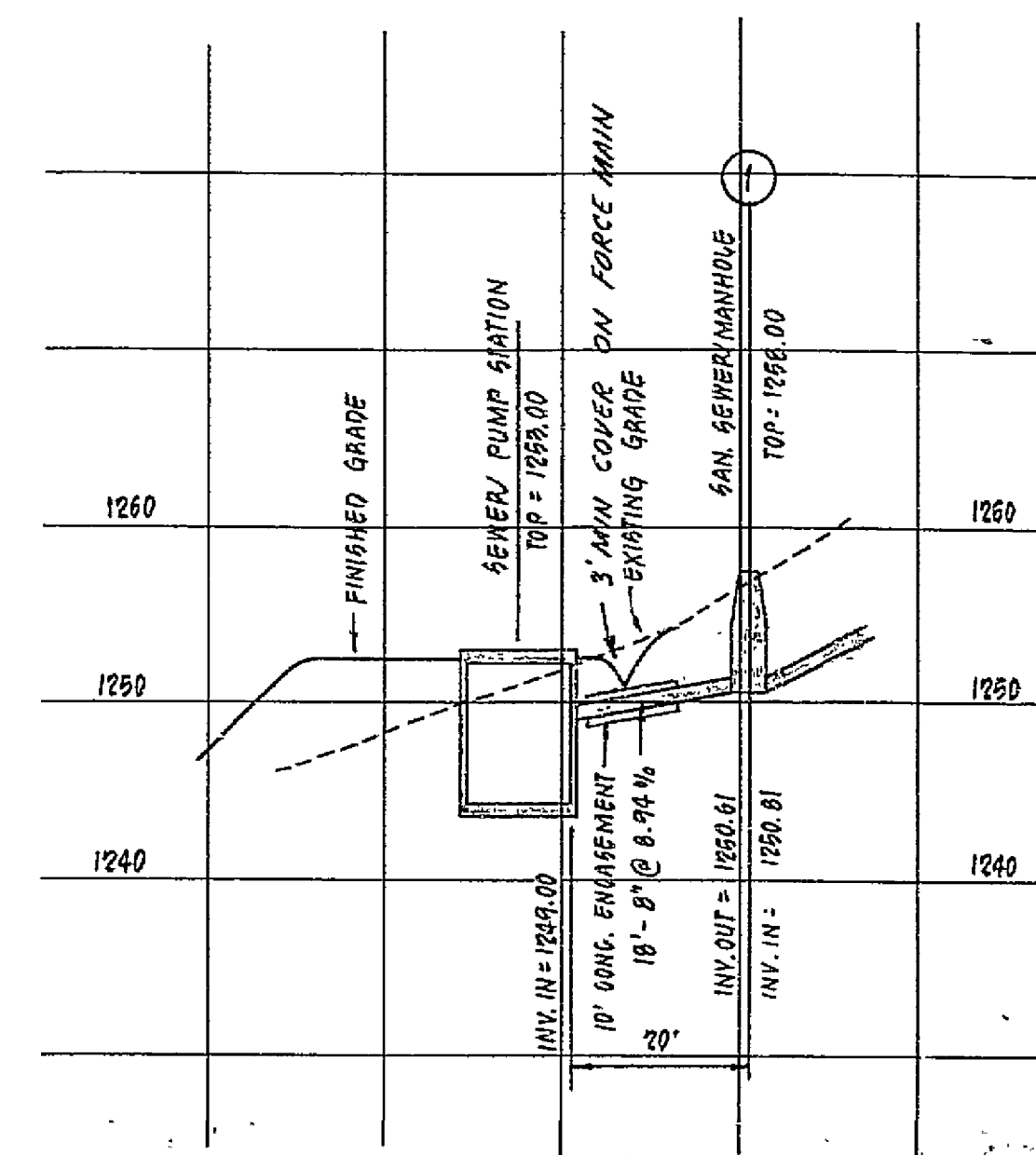


VAULT PLAN
SCALE: 1/2" = 1'-0"

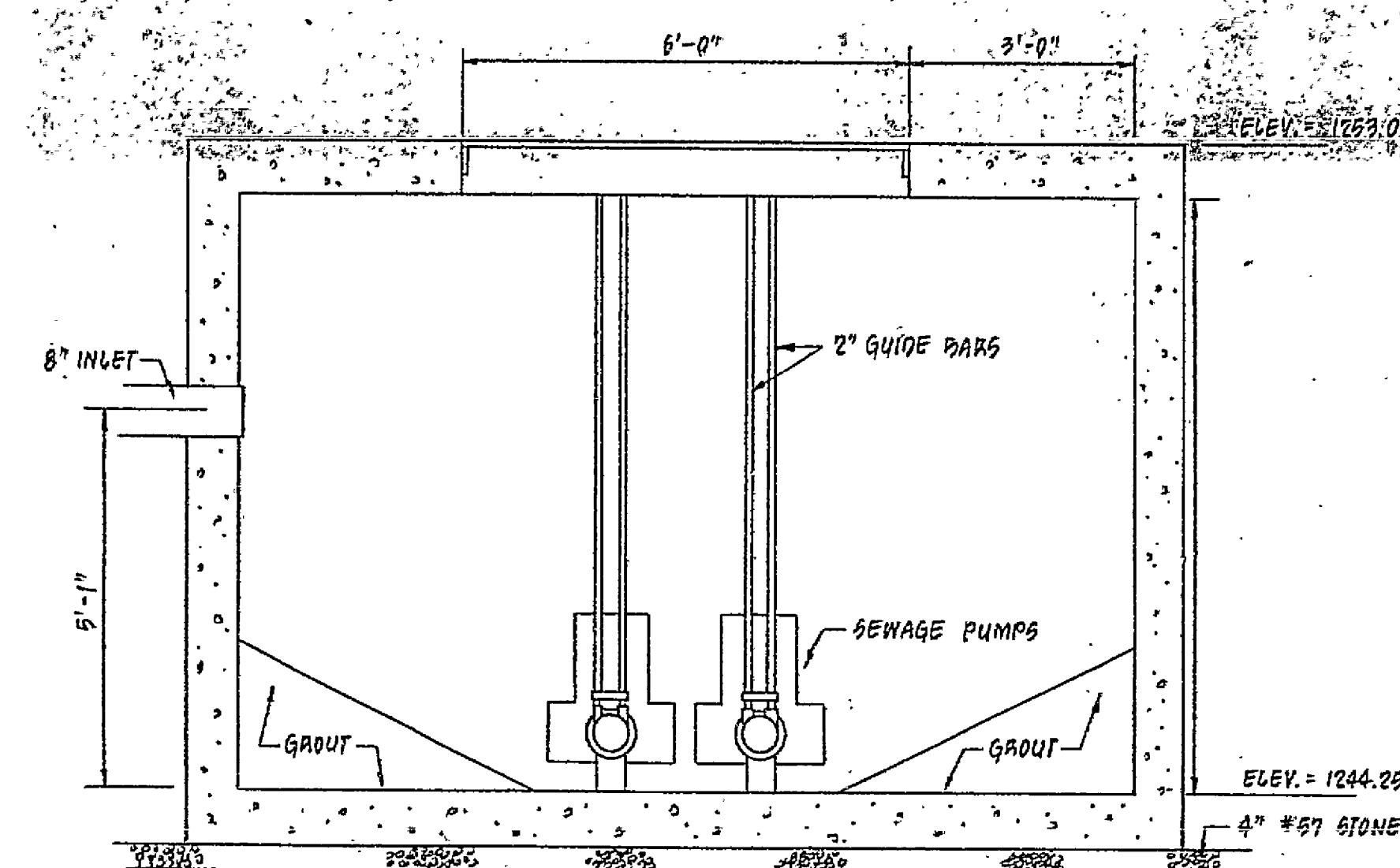


AUTOMATIC AIR RELEASE ASSEMBLY
NO SCALE

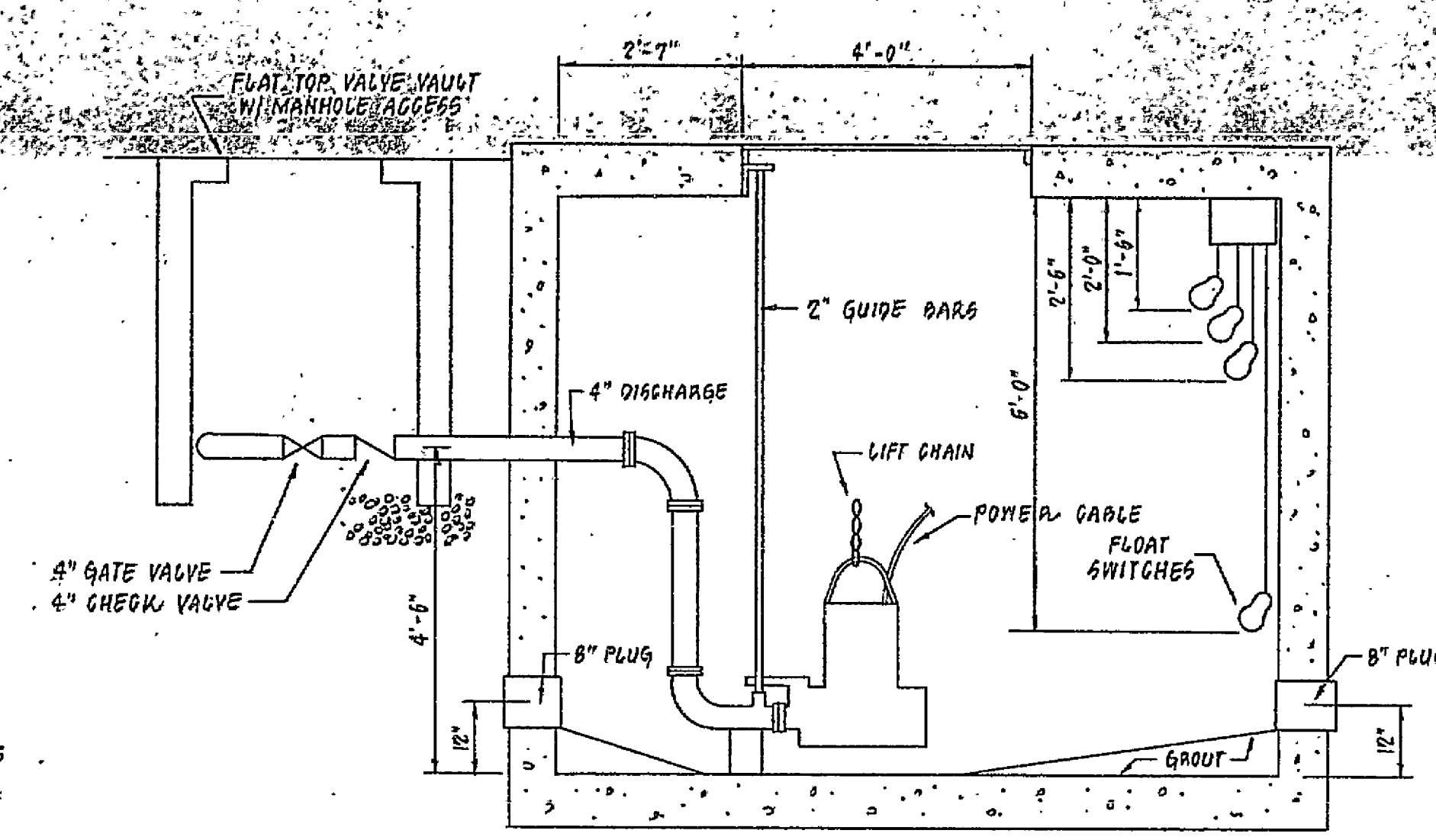
NOTE: INSTALL AT HIGH POINT ON FORCE MAIN.



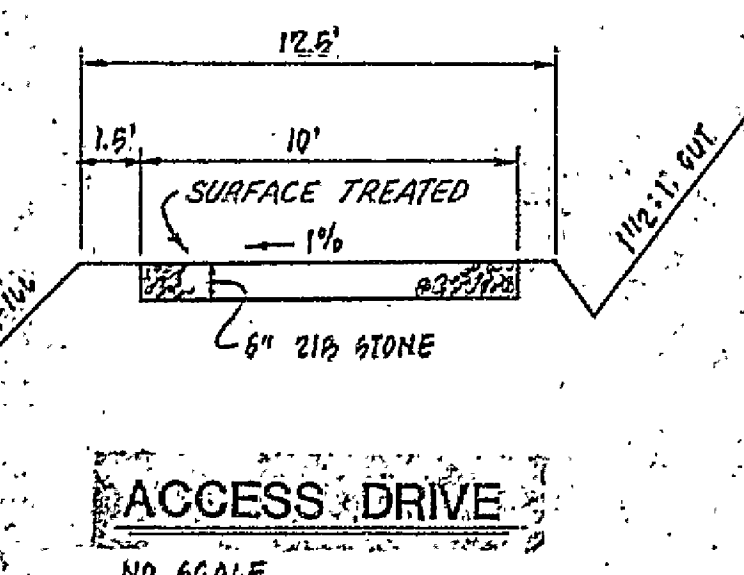
SANITARY SEWER PROFILE
SCALE: 1" = 20' HORIZ.
1" = 10' VERT.



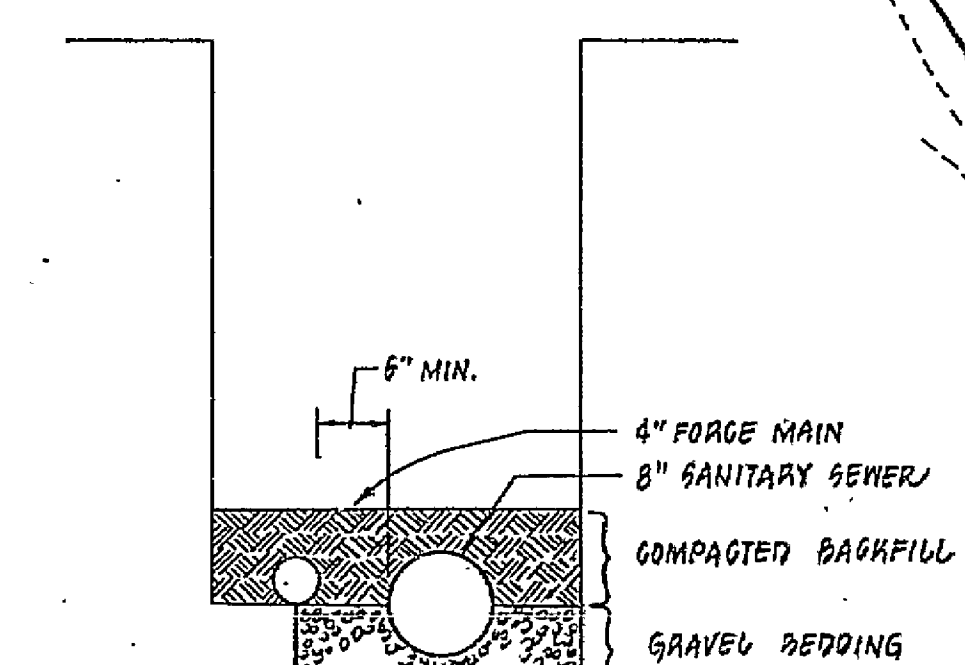
SECTION A-A
SCALE: 1/2" = 1'-0"



SECTION B-B
SCALE: 1/2" = 1'-0"



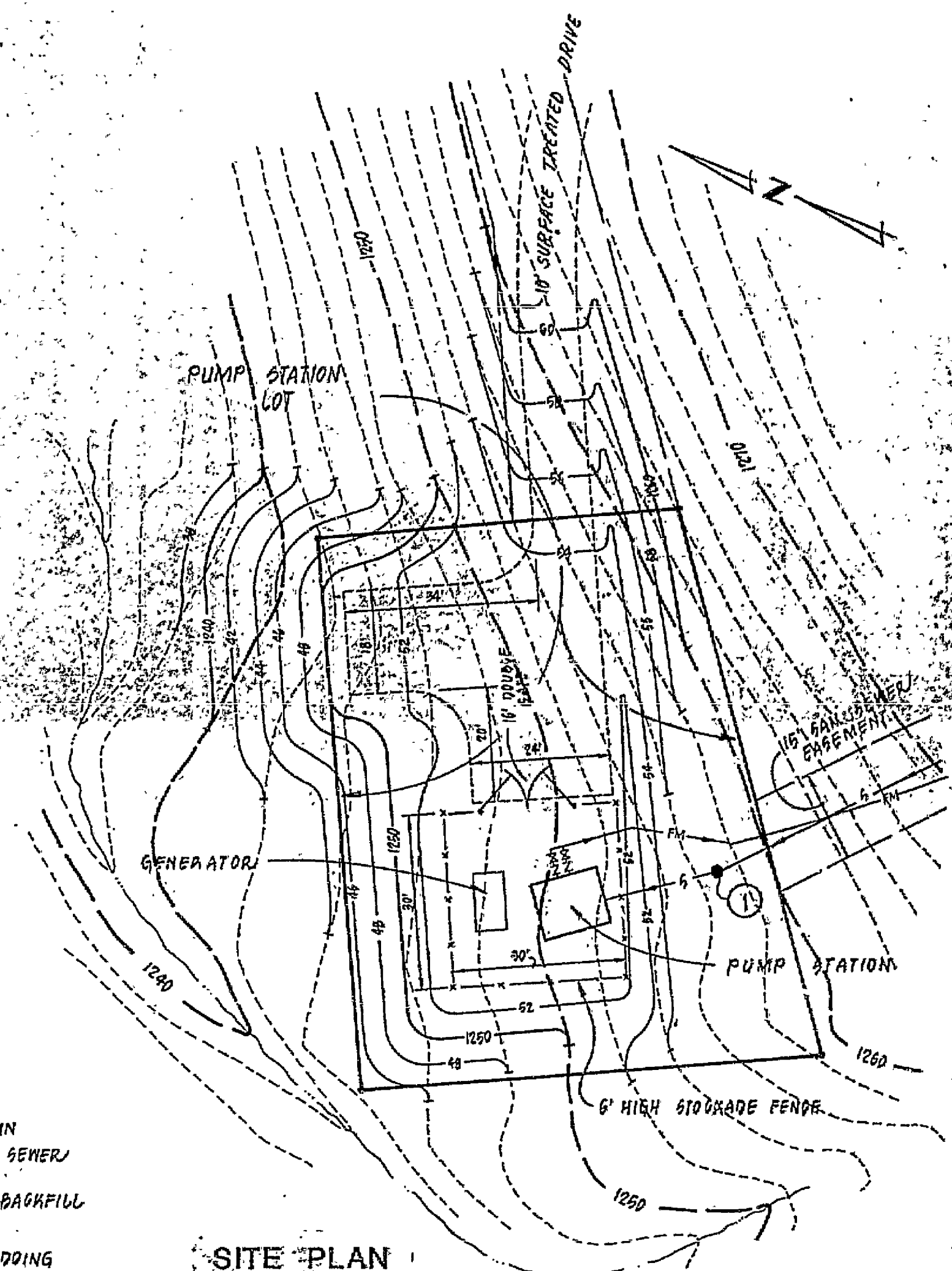
ACCESS DRIVE
NO SCALE



FORCE MAIN INSTALLATION DETAIL
NO SCALE

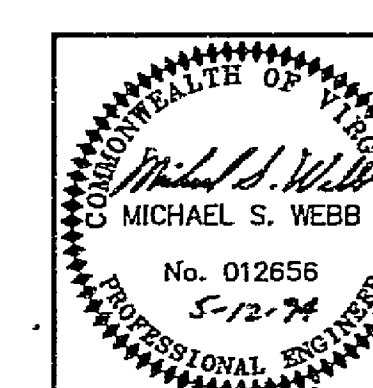
NOTES:

1. VAULT CONSTRUCTION TO BE COORDINATED WITH ROANOKE COUNTY UTILITY DEPARTMENT.
2. VAULT SHALL BE PRECAST CONCRETE MODULE AS MANUFACTURED BY ROTONDO/CARLGEN OR APPROVED EQUAL.
3. PIPE CONNECTIONS TO BE MADE USING LINK SEALS PROVIDED BY ROANOKE COUNTY.
4. TYPE KDB BILCO FLOOR DOOR TO BE PROVIDED BY ROANOKE COUNTY. CONTRACTOR SHALL PROVIDE AND INSTALL THE VAULT CHAMBER, GROUTED INVERT, AND ALL PIPING.
5. ROANOKE COUNTY SHALL PROVIDE AND INSTALL ALL PUMPS, DISCHARGE ELBOW, CONTROLS AND ACCESSORIES.
6. GENERATOR TO BE PROVIDED AND INSTALLED BY ROANOKE COUNTY.
7. INTERIOR PIPING AND FITTINGS SHALL BE GALVANIZED STEEL WITH FLANGED FITTINGS. INTERIOR AND EXTERIOR PIPING SHALL BE BRACED AND BLOCKED AS NECESSARY TO PREVENT MOVEMENT.
8. FORCE MAIN SHALL BE 4-INCH PVC, C-900, DR-18. FORCE MAIN SHALL BE PRESSURE TESTED TO MEET WATER LINE STANDARDS. A METALLIC LOCATION WIRE SHALL BE LAID WITH THE FORCE MAIN.



SITE PLAN
SCALE: 1" = 20'

REVISION	DATE	DESCRIPTION
1	5-20-94	REV. PUMP STA. DRIVE, FORCE MAIN DETAIL & AIR RELEASE DETAIL
DESIGNED	MSW	SEWER PUMP STATION PLAN
DRAWN	RAC, PVR	FOR
CHECKED	MAN	"THE GARDENS OF COTTON HILL"
		PROPERTY OF:
		STRAUSS CONSTRUCTION CORPORATION
		CAVE SPRING MAGISTERIAL DISTRICT
		ROANOKE COUNTY, VIRGINIA
		LUMSDEN ASSOCIATES, P.C.
		ENGINEERS-SURVEYORS-PLANNERS
		ROANOKE, VIRGINIA
		SCALE: AS SHOWN
		DATE: 2 MAY 1994
		SHEET 16 OF 16



RC-5494A