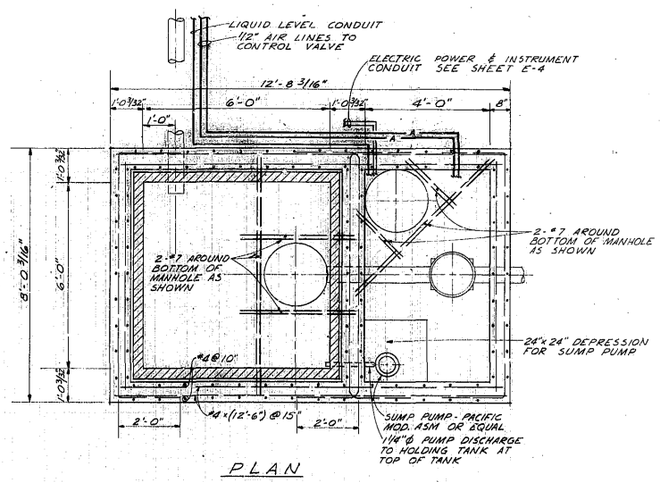
NOT INSTALLED
SEE ALTERNATE #2

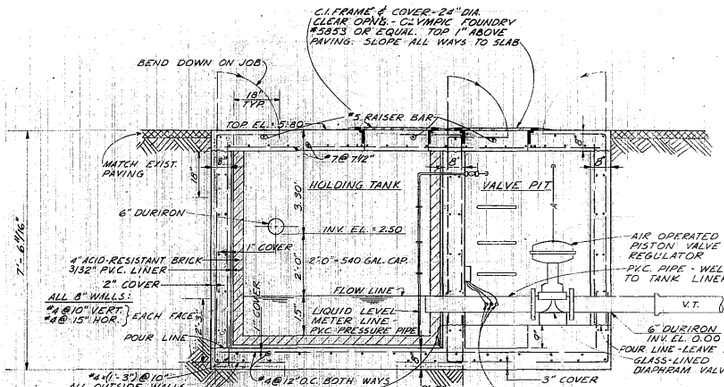
BUILDING 12-02
ALTERNATE NO. 1
C.O. I.E.=-1.00
INV. EL.=+3.00
CUT & PLUG
4"(EXIST.)
SPUR TRACK
EXIST. ASPH. CONC. SURFACING
10"(EXIST.)
SEE 6-M13 FOR ALTERNATE #2 PIPING CONNECTIONS
NEW SAN. M.H. I.E. 10"=-1.50 I.E. 15"=-2.00
RAILROAD TRACKS SUBJECT TO CLEARANCE FOR USE ON 24 HR. NOTICE. INCREMENT 3
HOLDING TANK REF. DET. 2-M13
ALTERNATE #2
15" V.C.
S=0.0040
EXIST. GRAVELED AREA
NEW SAN. M.H. I.E.=-2.84
EXIST. M.H.
NEW SAN. M.H. I.E. 10"W=-1.50 DROP-I.E. 10"W=-2.50 I.E. 12"E=-2.00
EXIST. M.H. I.E. 24"=1.11 I.E. 12"=1.36 I.E. 10"=2.61
1½" EXIST. COND. LINE.
EXIST. CONCRETE PAVING
ALTERNATE NO. 1
CONCRETE SIDEWALK
INCREMENT 3
BUILDING 12-01
BUILDING 12-20
EXIST. 2" STEAM LINE
EXIST. 4" SPRINKLER LINE
GRAVEL
ALTERNATE NO. 2
EXIST. ASPH. CONC. SURFACING
EXIST. CONC. UTILITY CHASE
NOTE
CONSTRUCT SEWER IN SUCCESSIVE INCREMENTS AND CLEAR EACH INCREMENT FOR TRAFFIC BEFORE PROCEEDING WITH THE NEXT.
EXIST. 8" STEAM LINE
EXIST. MECH. & ELECT. UTILITIES
CONDUIT
EXIST. A.D.T. LINES
EXIST. CONCRETE PAVING
SHADED PORTION IS CONTRACTOR WORK AREA FOR SEWER
METERING M.H.-SEE 4-M13 I.E. 16"W=-4.24 I.E. 15"E=-6.24 SEE DET. 4-M13
10" (EXIST.)
10" EXIST. SPRINKLER MAIN
EXIST. ADT LINES
APPROX. EXIST. PVMT. GRADE=+7.5
EXIST. GATE HOUSE
APPROX. EXIST. PVMT. GRADE=+8.5
4"(EXIST.)
4" EXIST. SPRINKLER LINE
S=0.00053
EXISTING CITY SEWER (60" CONCRETE PIPE)
MH TOP=+7.10 INV. EL.=-10.23 (EXIST.)
EXIST. R.R. TRACKS
METERING M.H.-SEE 4-M13 I.E. 16"W=-3.30 I.E. 15"E=-5.30
EAST MARGINAL WAY

OUTSIDE UTILITIES LEGEND		
EXIST.	DESCRIPTION	NEW
—W—	SANITARY SEWER LINE	—W—
—S—	STORM SEWER LINE	
	WATER LINE (DOMESTIC)	
—F—	WATER LINE (FIRE)	
□ OR ○	CATCH BASIN	
TOP EL. INV. EL.	MANHOLE	TOP EL. INV. EL.
	FIRE HYDRANT	

OUTSIDE UTILITIES PLAN
1-M13
SCALE: 1"=30'

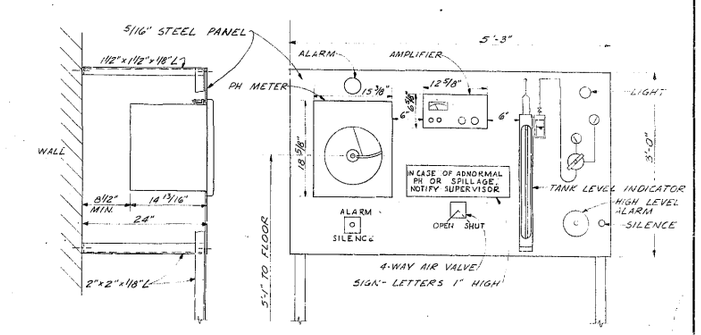


PLAN

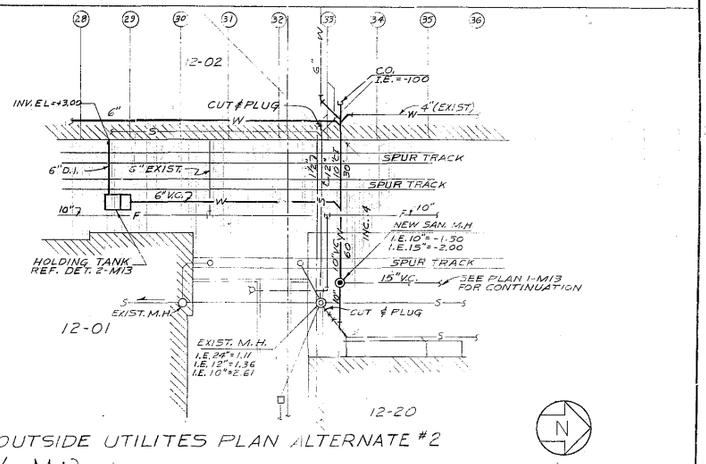


HOLDING TANK
2-M13
1/2"=1'-0"

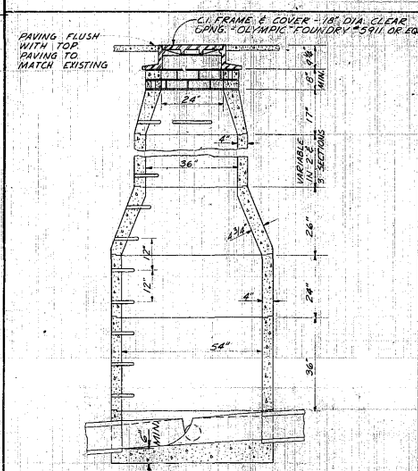
SECTIONAL ELEVATION



PLATING WASTE PANEL
5-M13
1"=1'-0"

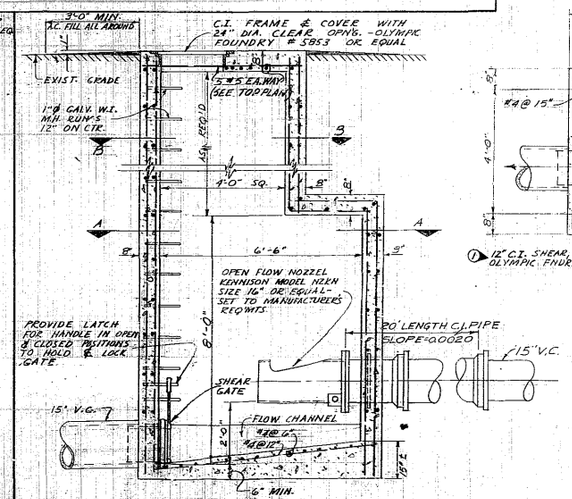


OUTSIDE UTILITIES PLAN ALTERNATE #2
6-M13
1"=30'



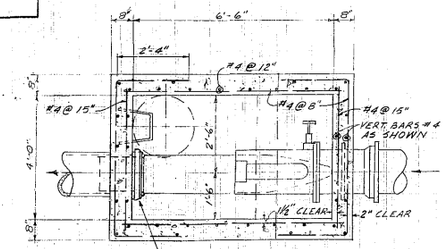
SANITARY MANHOLE
3-M13
1/2"=1'-0"

NOTE: AT CONTRACTOR'S OPTION, MH'S MAY BE CONSTRUCTED OF: PRE-CAST CONC. SECTIONS (GRAYSTONE OR EQUAL) OR CONC. BRICK LAID RADIALLY OR 6" CONC. M.H. BLOCKS.

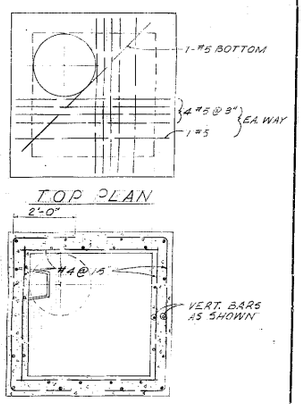


4-M13
1/2"=1'-0"

SECTIONAL ELEVATION



SECTION A-A



TOP PLAN

SECTION B-B

PREPARED BY ARCHITECT-ENGINEER
RECOMMENDED FOR APPROVAL:
CHIEF, ARCHITECT-ENGINEER SECTION AND SECTION CHIEF
LEAD TECHNICAL MANAGER BOEING AIRPLANE CO.
AIR FORCE PLANT REPRESENTATIVE - BOEING AIRPLANE CO.

DATE	NO.	REVISION
1-3-59	1	ADD SAMPLE WELL & SHEAR GATE
		ADDENDUM NO. 1 REVISION
4-8-59	2	OMIT SAMPLE WELL & FLATTEN SEWER GRADE
		ADDENDUM NO. 3 REVISION
6-31-59	3	AS BUILT

DATE	NO.	REVISION

DATE	NO.	REVISION

GRAPHIC SCALES: 1½" 3" / 1/2" 1" / 3/8" 3/4" / 1/8" 1/4"

HARMON PRAY & DETRICH
ARCHITECTS • ENGINEERS
SEATTLE WASHINGTON
JOB NO. 81119
DATE 3-25-59

BOEING MISSILE PRODUCTION CENTER
PHASE IV-A ~~BUILDING 12-02~~
BOEING AIRPLANE COMPANY SEATTLE WASH.
OUTSIDE UTILITIES PLAN & DETAILS SAN SEWER-OUTSIDE

81119
M-13
SHEET NO.

WA0952KC 112-000-4001/41 8S#

24X -- DO NOT SCALE

897161