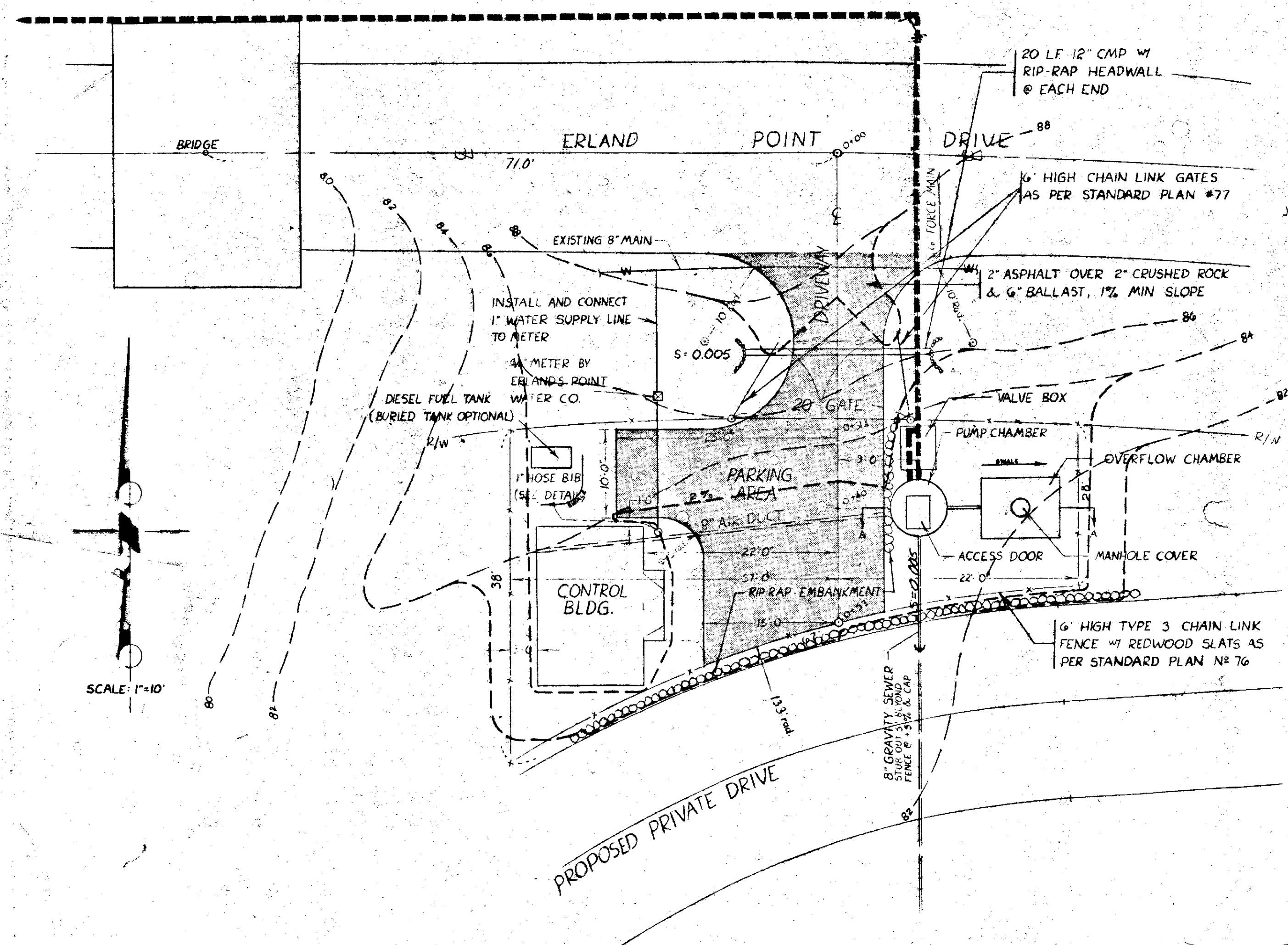


LIFT STATION No 20

Fairway Lane to Eldorado Hills

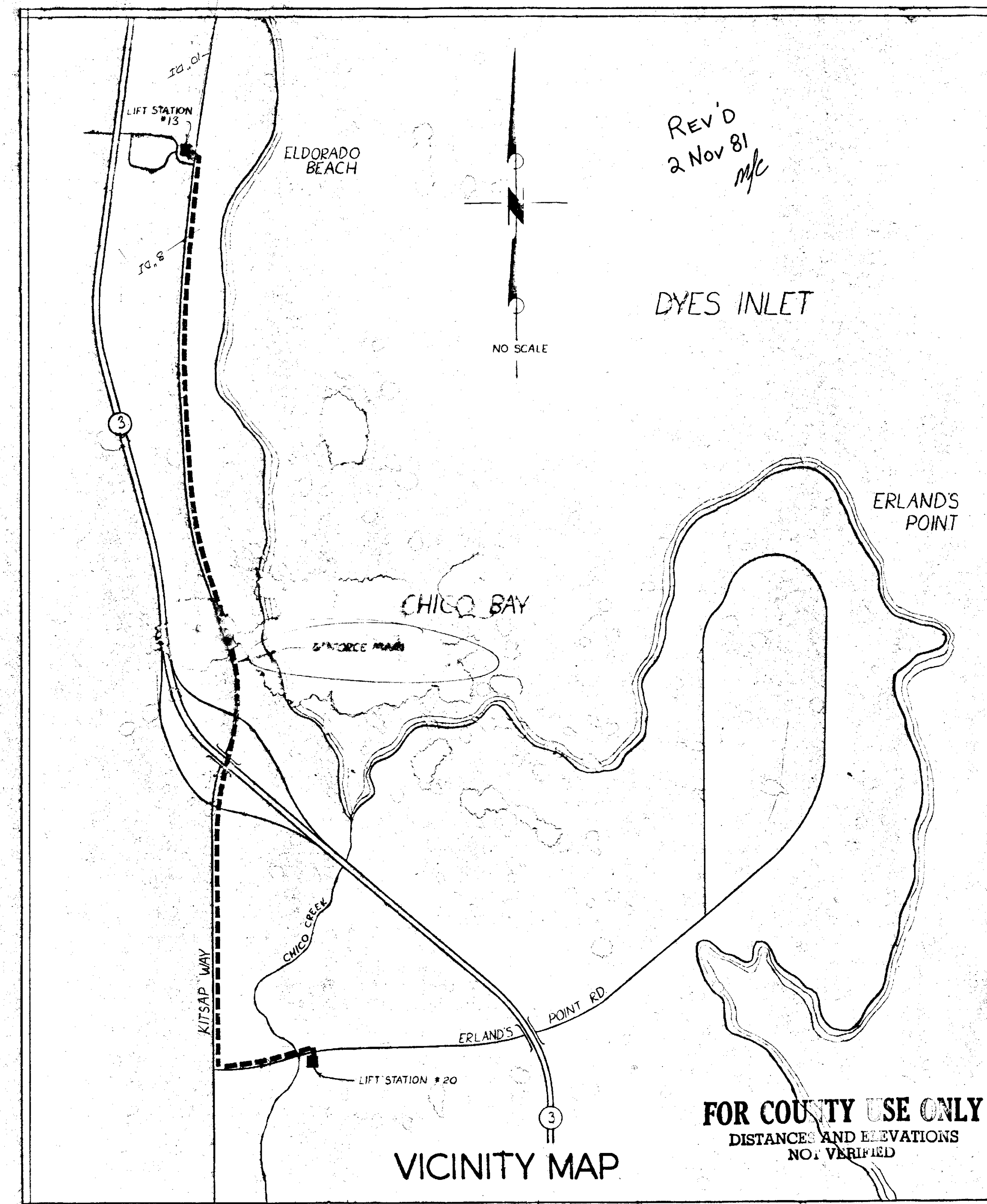
Force Main

SITE PLAN
LIFT STATION No 20



NOTES

- 1) ALL WORK SHALL BE DONE ACCORDING TO A.P.W.A. STANDARD SPECIFICATIONS FOR MUNICIPAL PUBLIC WORKS - 1977 EDITION AND APPLICABLE SECTIONS OF: (1) NATIONAL ELECTRICAL CODE, (2) UNIFORM BUILDING CODE AND (3) STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - 1977 EDITION AND KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS AND SHALL BE SUBJECT TO APPROVAL BY THAT AGENCY.
- 2) CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUISITION OF ALL REQUIRED PERMITS AND FOR PROCURING FIELD LOCATIONS OF ALL BURIED UTILITIES FROM APPROPRIATE AGENCIES OR ORGANIZATIONS.
- 3) LOCATION OF FORCE MAIN RELATIVE TO EDGE OF PAVEMENT WILL FLUCTUATE DEPENDING UPON POSITIONS OF EXISTING UTILITIES.
- 4) ALL WORK WILL BE SUBJECT TO INSPECTION BY THE KITSAP COUNTY DEPARTMENT OF ECOLOGY AND, WHERE APPLICABLE, THE WASHINGTON STATE HIGHWAY DEPARTMENT.



APPROVED
KITSAP COUNTY DEPT. OF PUBLIC WORKS

APPROVED
WASHINGTON STATE DEPT. OF ECOLOGY

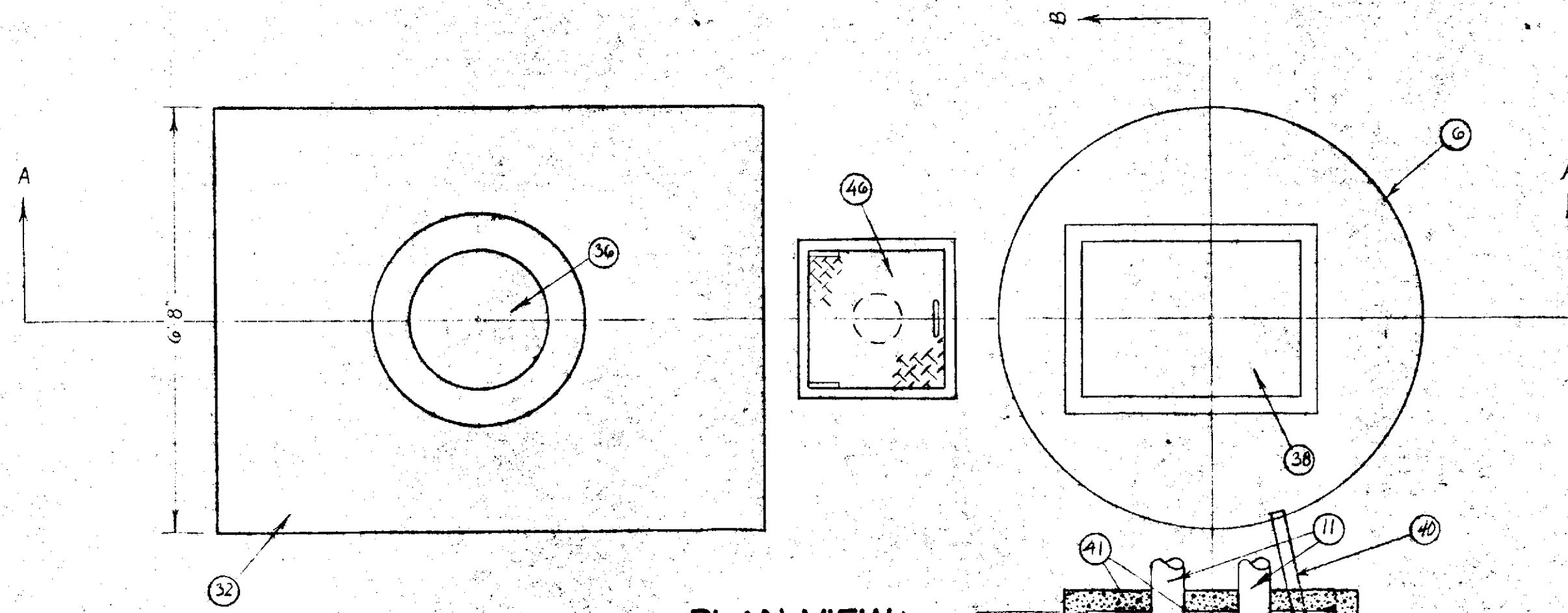


MACLEARNSBERRY INC.
CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
208 MADRONE LANE NORTH
BAINBRIDGE ISLAND, WASH. 98110
(206) 842-5514

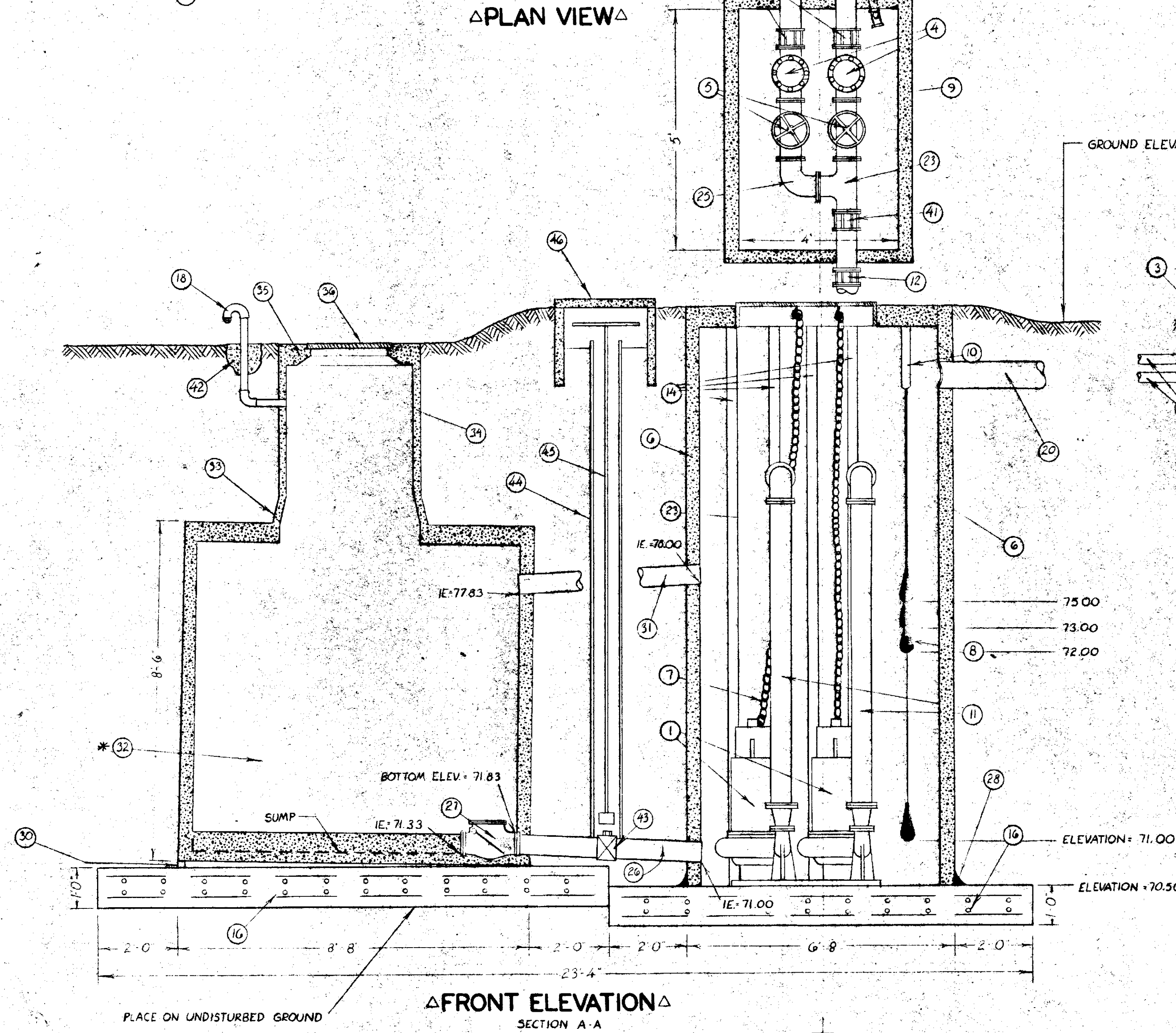
CLIENT	SILVERDALE LAND ASSOCIATES		
PROJECT	LIFT STATION No 20 FAIRWAY LANE TO ELDERADO HILLS FORCE MAIN		
DRAWN BY	BAM	SCALE	AS NOTED
APPROVED		DATE	6/80
		BOOK	JOB 79149
			SHEET 1 OF 11

6.040 6.040

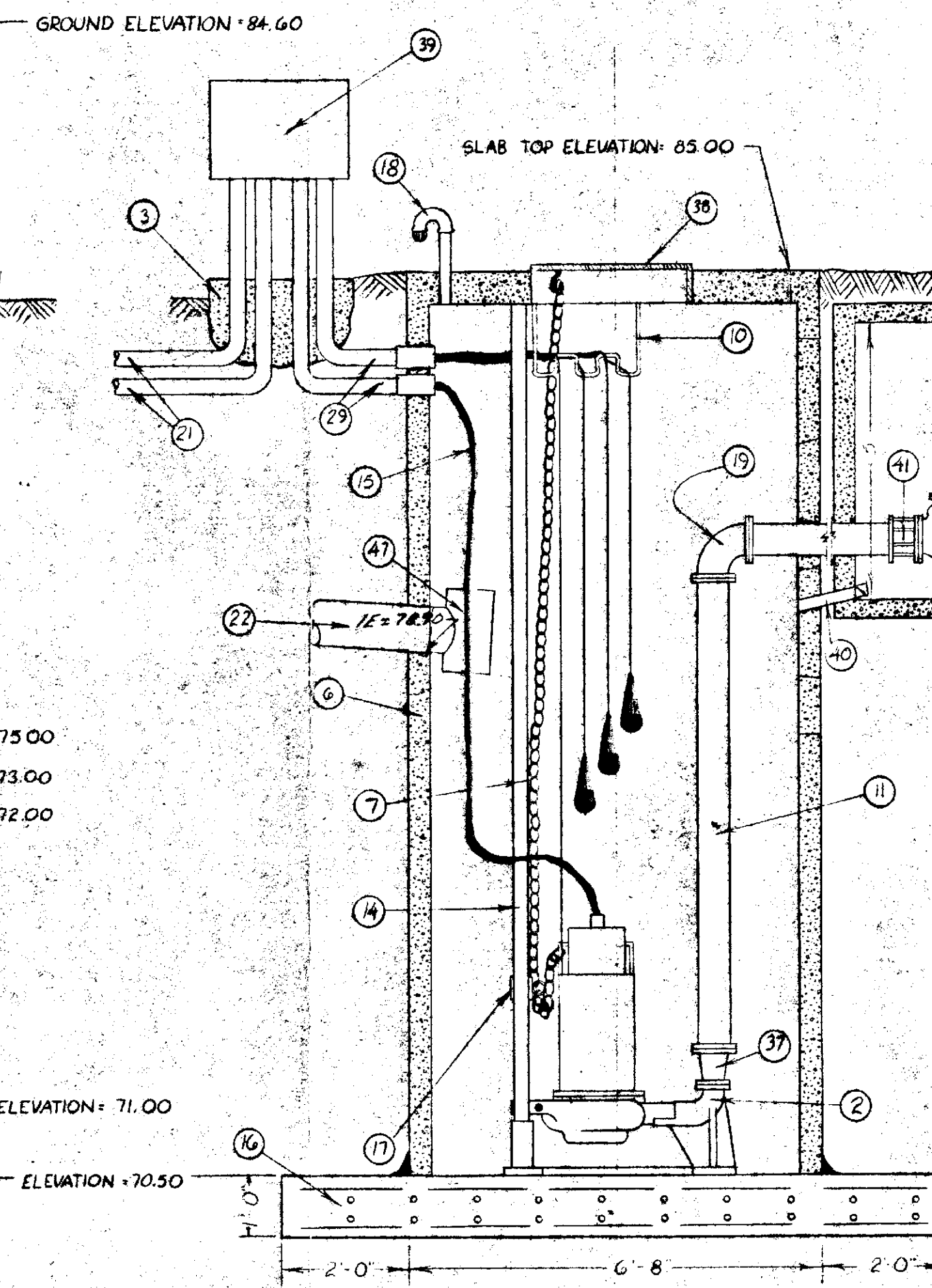
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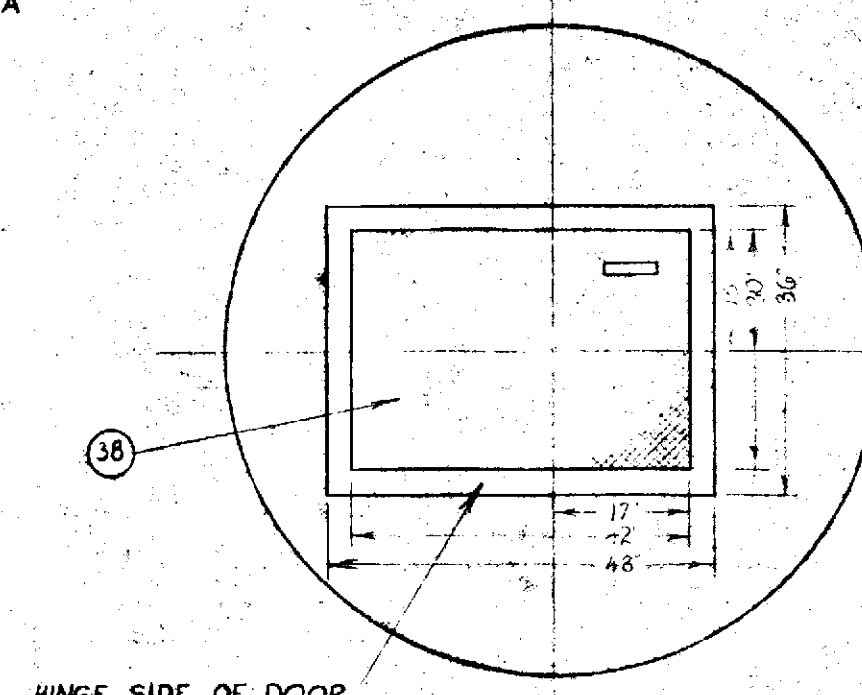
△PLAN VIEW



△FRONT ELEVATION
SECTION A-A



△SIDE ELEVATION
SECTION B-B



△PLAN VIEWS

DESCRIPTION

- ① PACO TYPE QD PUMP MODEL #A95, 7 1/2 HP, 1750 RPM., 3 PHASE, 120/208 VOLT (CLASS I, GROUP D LISTED MOTORS OR EQUAL)
- ② RECEIVER ELBOW
- ③ JUNCTION BOX SUPPORT
- ④ CHECK VALVE - 6"
- ⑤ GATE VALVE - 6"
- ⑥ CONCRETE WET WELL
- ⑦ LIFTING CHAINS
- ⑧ BULB TYPE LEVEL SENSOR
- ⑨ VALVE BOX
- ⑩ WIRING BRACKET
- ⑪ DISCHARGE PIPES (6" CAST IRON)
- ⑫ MECHANICAL JOINT CONNECTION TO 6" PVC PIPE OUTSIDE VALVE BOX
- ⑬ BASE PLATES (NOTE: SEE PUMP SUPPLIER'S REFERENCE DATA FOR ADDITIONAL DETAILS)
- ⑭ GUIDE RAILS - STAINLESS STEEL
- ⑮ WIRE IN ACCORDANCE W/ APPLICABLE CODES
- ⑯ CONCRETE BASE
- ⑰ LIFTING EYE
- ⑱ VENT PIPE W/ 2" RETURN BEND & BEEHIVE STRAINER
- ⑲ DISCHARGE ELBOW
- ⑳ 8" AIRDUCT TO CONTROL HOUSE
- ㉑ 2" RIGID CONDUIT TO CONTROL HOUSE
- ㉒ INLET PIPE - 8" PVC W/ AC. COLLAR
- ㉓ TEE FITTING - 6"
- ㉔ STD. MANHOLE FRAME & GRATE
- ㉕ ELBOW - 6"
- ㉖ 6" DUCTILE IRON PIPE
- ㉗ 6" CHECK VALVE
- ㉘ GROUT ALL AROUND
- ㉙ 2" CONDUIT TO WET WELL
- ㉚ 2" ELEVATING BLOCK
- ㉛ 6" DUCTILE IRON OVERFLOW PIPE
- ㉜ OVERFLOW CHAMBER - UTILITY VAULT CO. #687-LA OR EQUAL
- ㉝ RISER ADAPTOR - UTILITY VAULT CO. #A2-3806
- ㉞ RISERS - UTILITY VAULT CO. - 38" INSIDE DIAMETER
- ㉟ RISER ADAPTOR FRAME - UTILITY VAULT CO. FOR 24" COVER; #38-2406
- ㊱ 24" DIAMETER CAST IRON COVER
- ㊲ 6"x4" REDUCER (FL*FL)
- ㊳ STEEL DOOR - BILCO "J" TYPE OR EQUAL
- ㊴ JUNCTION BOX
- ㊵ 2" PLASTIC DRAIN LINE TO WET WELL W/ CHECK VALVE TO PREVENT BACKFLOW FROM WET WELL.
- ㊶ 6" FLANGED ADAPTOR
- ㊷ CONCRETE SUPPORT BLOCK
- ㊸ 6" GATE VALVE W/ 2" OPERATING NOT
- ㊹ CAST IRON VALVE BOX EXTENSIONS
- ㊺ VALVE WRENCH W/ WELDED EXTENTION AS REQUIRED
- ㊻ VALVE BOX - USE RENTON CONCRETE PRODUCTS SECOND HANDHOLE #76648 OR EQUAL
- ㊼ 8" PVC TEE
- ㊽ PROVIDE OSHA APPROVED 16' ALUMINUM LADDER (NOT SHOWN) FOR ACCESS TO WET WELL AND OVERFLOW CHAMBER.

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DISTANCES AND ELEVATIONS
NOT VERIFIED

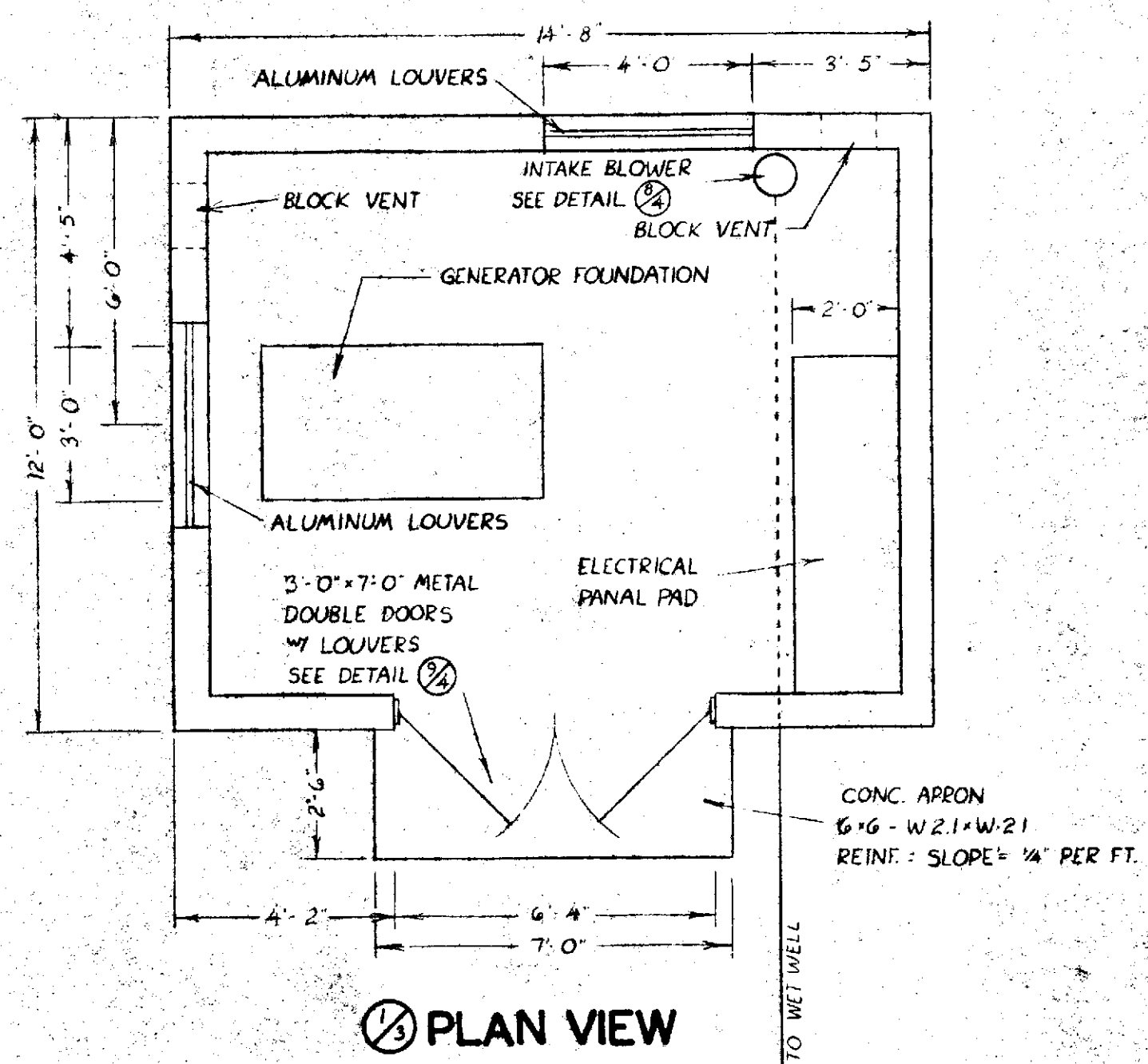
* - NOTE REGARDING ADEQUACY OF STORAGE.
THE COMBINED STORAGE CAPACITY OF THE WET WELL AND THE OVERFLOW VAULT IS 3635 GALLONS. THIS PROVIDES 1 HOUR AND 10 MINUTES STORAGE TIME AT THE AVERAGE FLOW RATE FOR THE SERVICE AREA OF 50 GRM (SEE SHEET 4 OF 6 OF CALCS). AT THE AVERAGE FLOW RATE FOR THE PROJECT OF 20 GRM (SEE SHEET 1 OF 6 OF CALCS) STORAGE TIME WILL BE 3 HOURS.
SINCE THIS WILL BE A CENTRALLY MONITORED PUMPING STATION THE COUNTY STAFF SHOULD HAVE SUFFICIENT TIME IN CASE OF FAILURE OF BOTH PUMPS TO FURNISH EMERGENCY PUMPS AND PUMPER TRUCK AND MAKE NECESSARY REPAIRS.



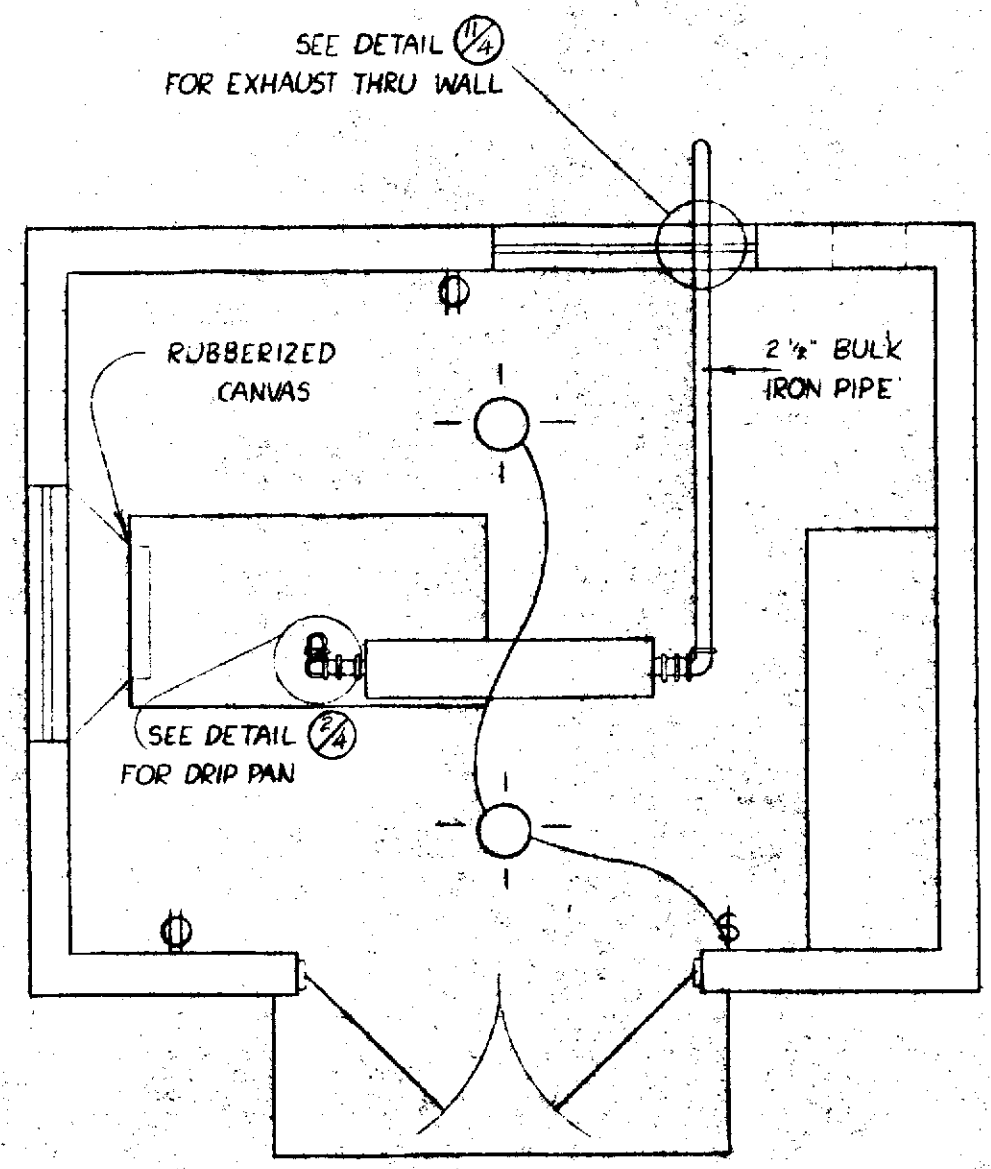
MAC LEARNBERRY INC.
CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS
208 MADRONE LANE NORTH
BAINBRIDGE ISLAND, WASH. 98110
(206) 842-5514

CLIENT	SILVERDALE LAND ASSOCIATES		
PROJECT	LIFT STATION #20 FAIRWAY LANE TO ELDERADO HILLS FORCE MAIN		
DRAWN BY	BAM	SCALE	1" = 2'
APPROVED		DATE	6/80
		BOOK	JOB 79149
			SHEET 2 OF 11

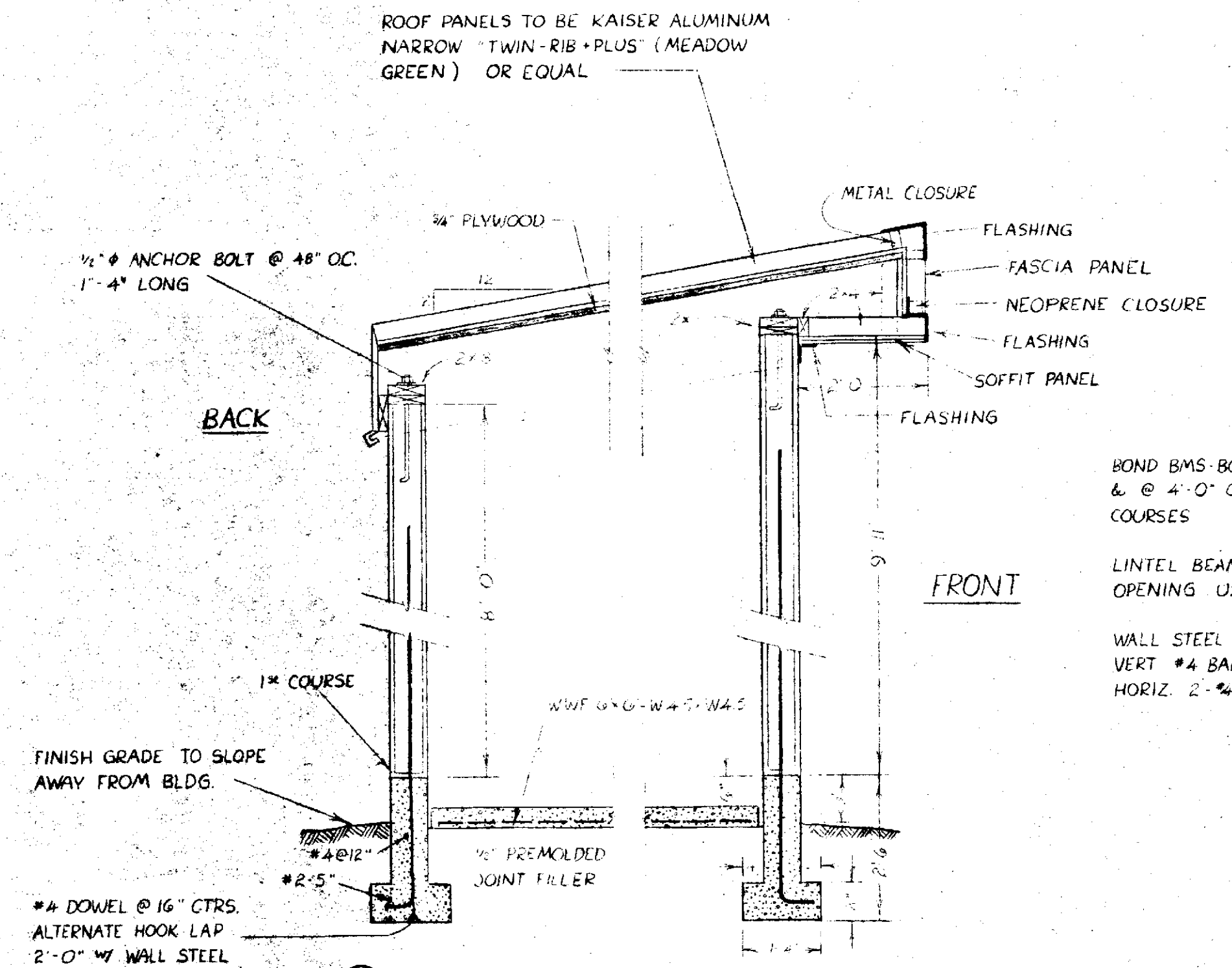
6040-7



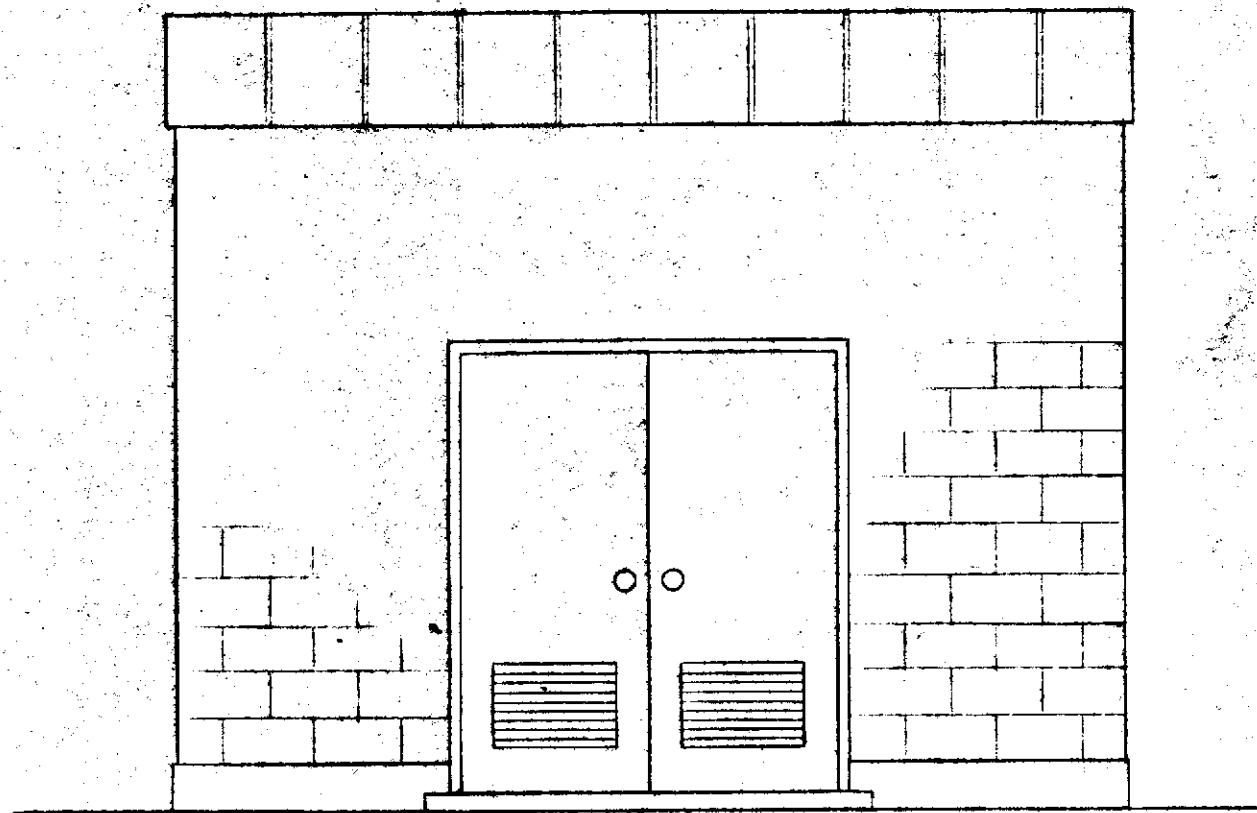
1 PLAN VIEW



2 PLAN VIEW

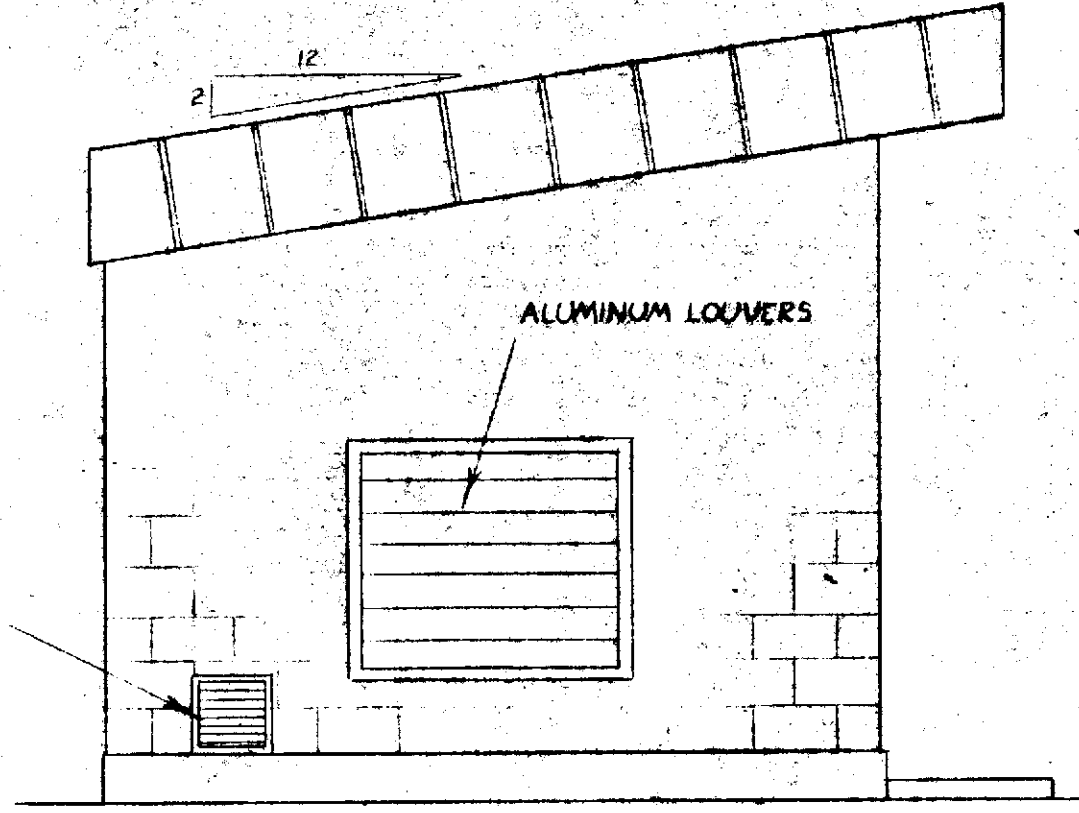


3 TYPICAL WALL SECTION
SCALE: 1" = 2"

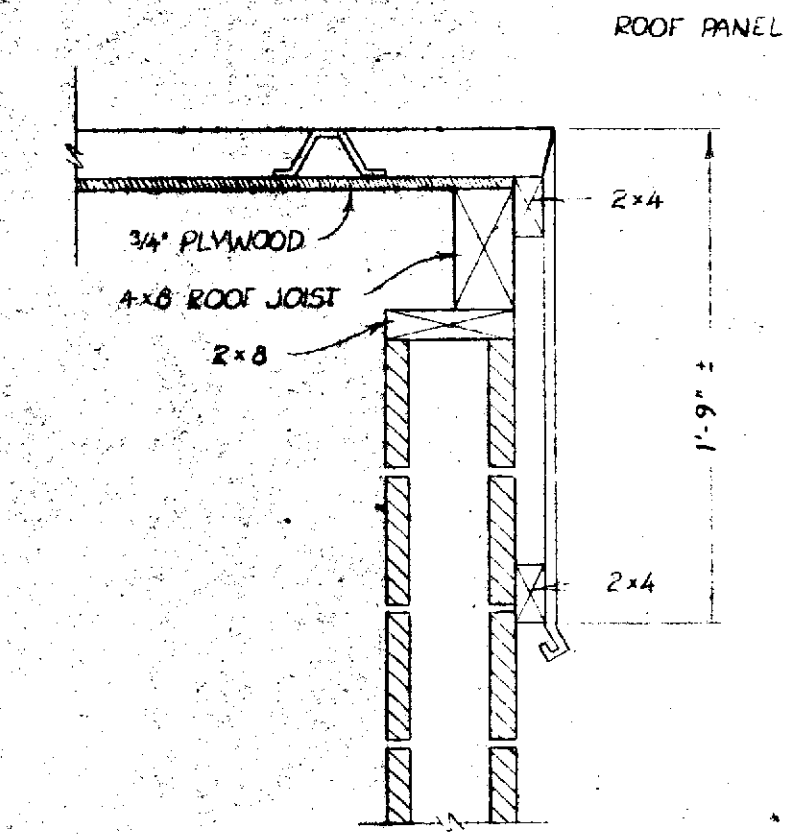


4 ELEVATION

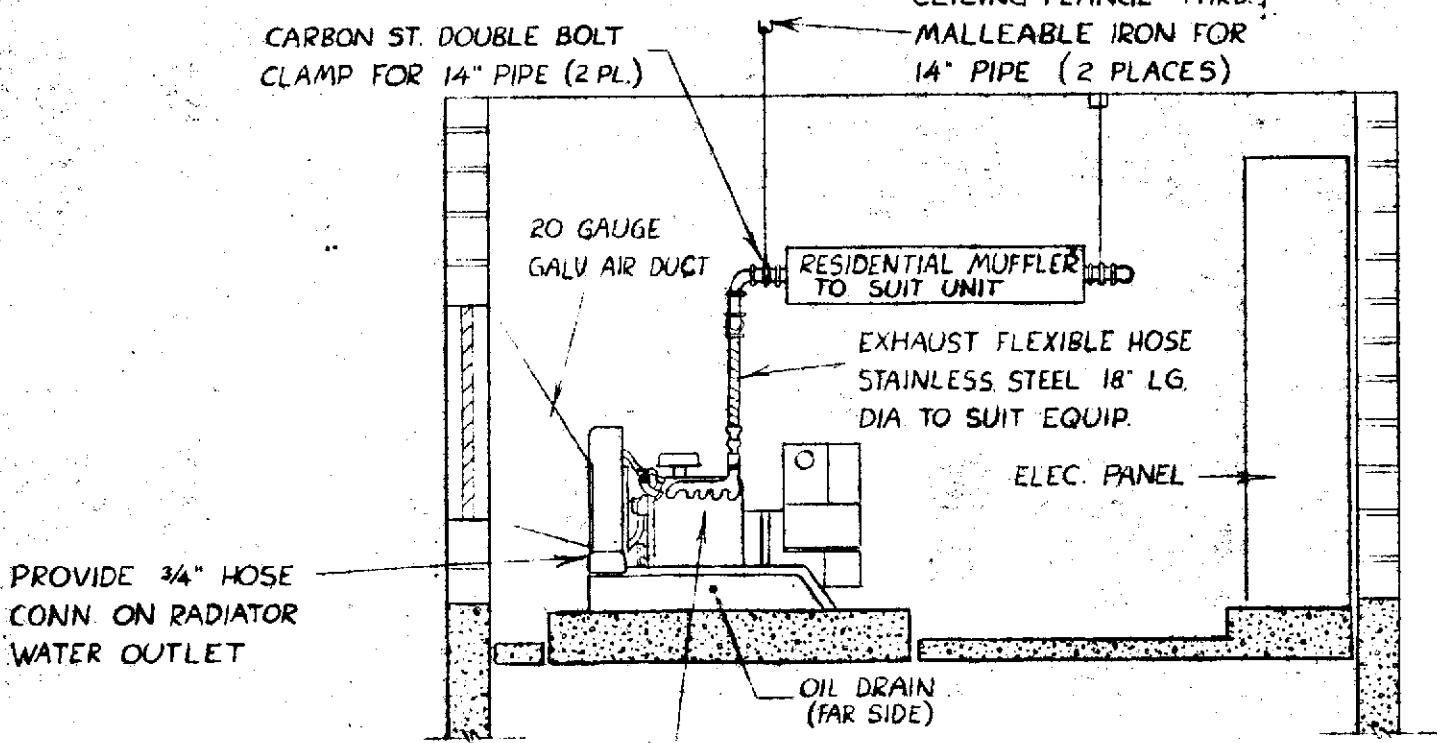
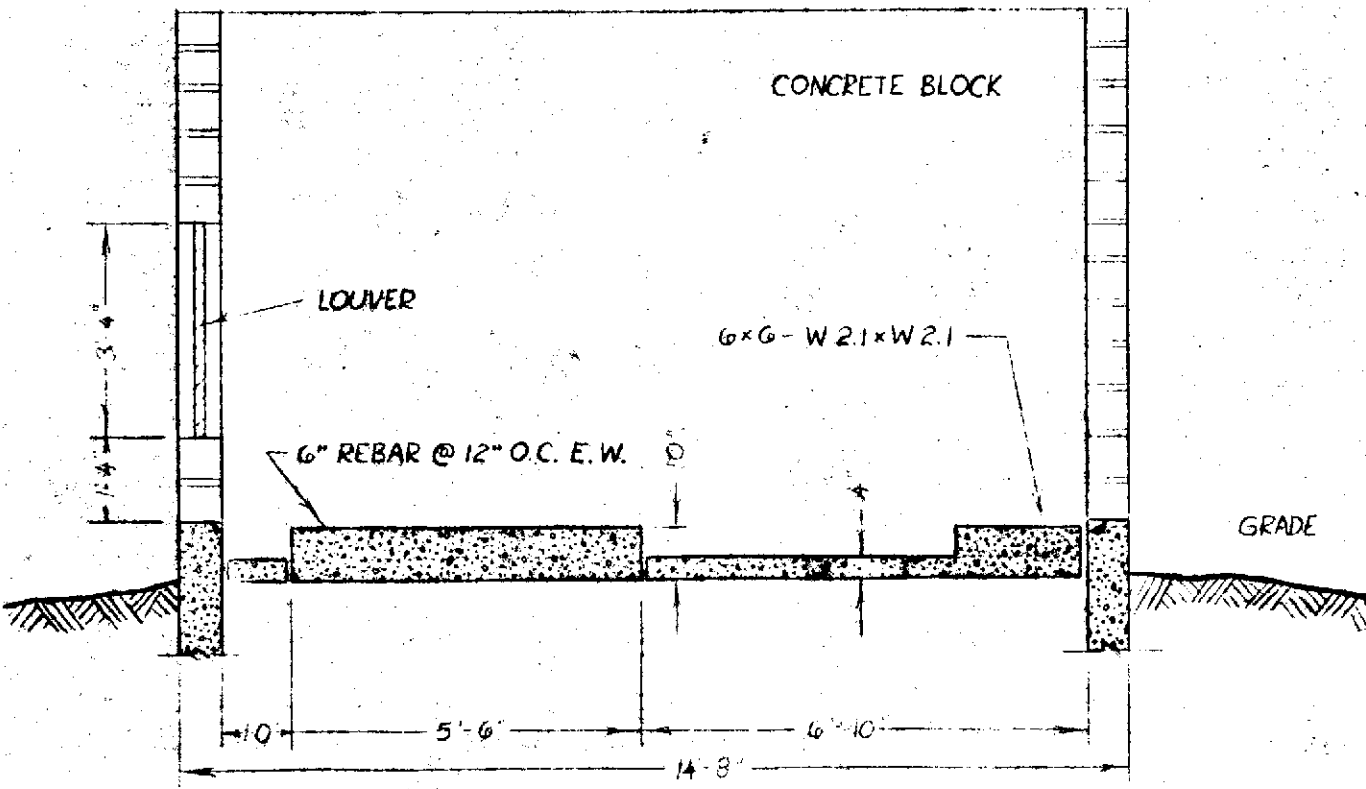
SCALE: 1" = 3'



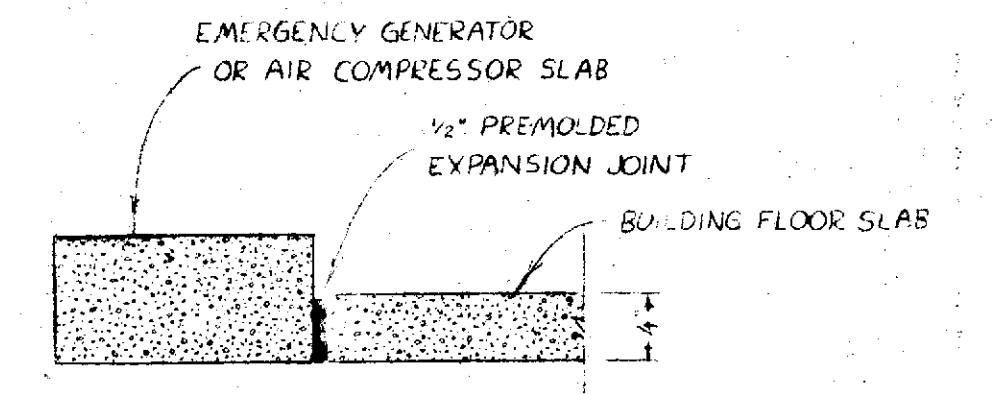
5 ELEVATION



6 TYPICAL SECTION
SCALE: 1" = 1'



GENERATING SET - ONAN MOD. 300DDA OR EQUAL - 15 R., 30 KW, 120/208 VOLT, 3 PHASE, COMPLETE W/ AUTOMATIC STANDBY POWER SYSTEM, COOLING SYSTEM, EXHAUST SYSTEM, FUEL SUPPLY SYSTEM, STARTING SYSTEM, COMPLETE MONITORING CONSOLE W/ REMOTE MOUNTING KIT AND ELECTRICAL METERING PACKAGE.



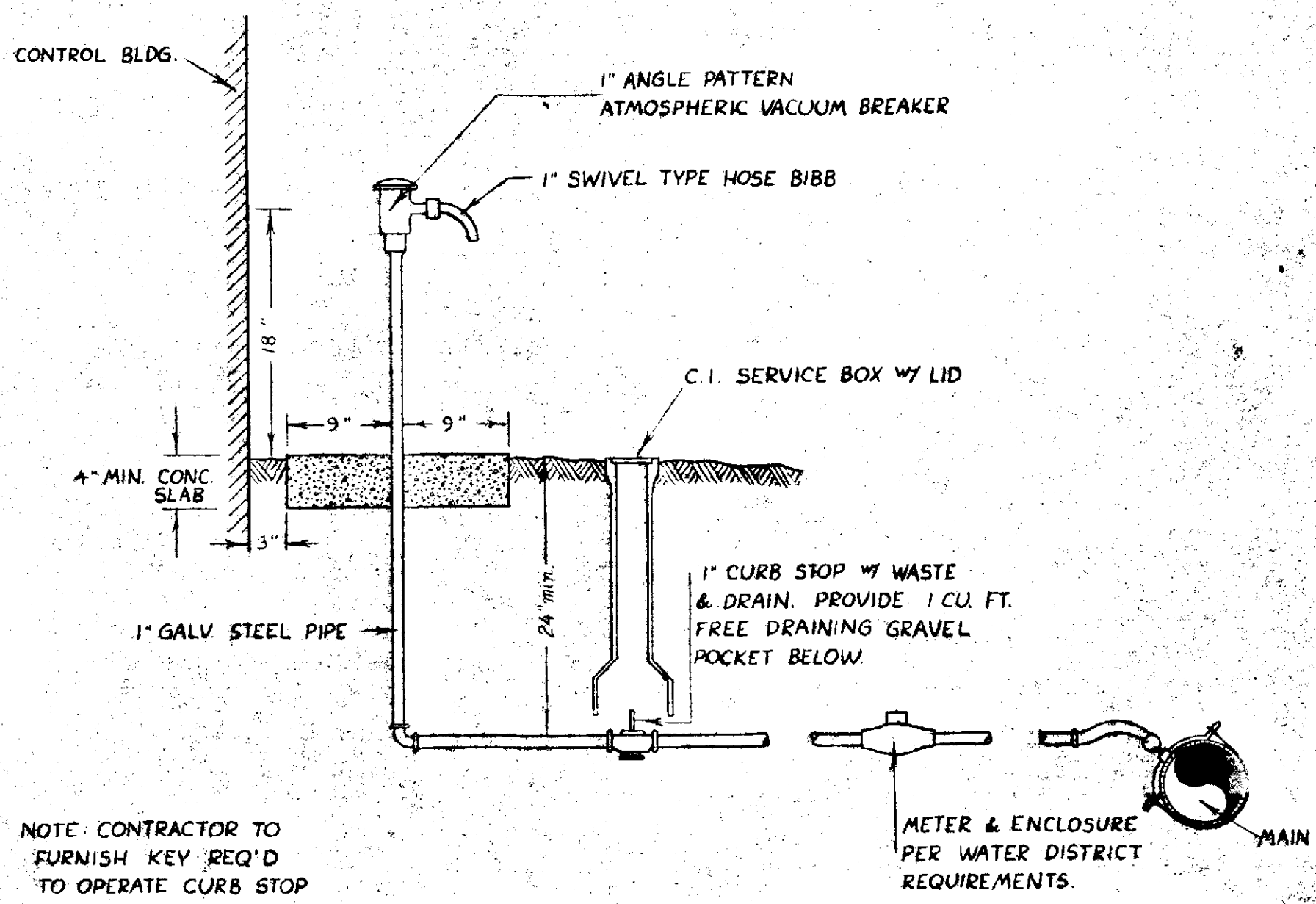
7 VIBRATION INSULATION
SCALE: 1" = 1'

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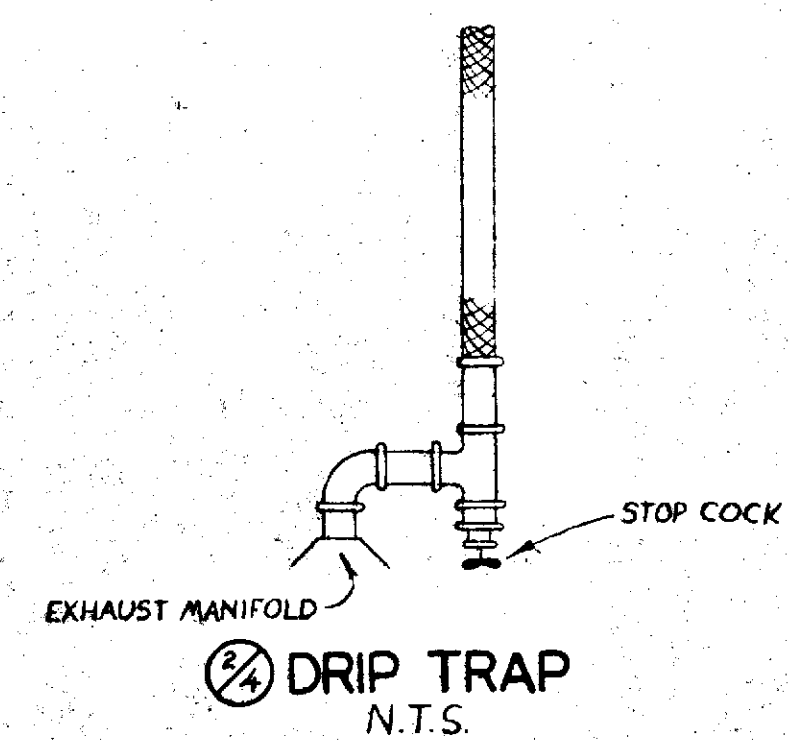


MAC LEANSBERRY INC. CIVIL ENGINEERS LAND SURVEYORS PLANNERS 208 MADRONE LANE NORTH BAINBRIDGE ISLAND, WASH. 98110 (206) 842-5514		CLIENT SILVERDALE LAND ASSOCIATES PROJECT LIFT STATION No 20 FAIRWAY LANE TO ELDRORADO HILLS FORCE MAIN
DRAWN BY B.A.M. APPROVED	SCALE AS NOTED DATE 6/80 F.BOOK	SHEET 3 OF 11 JOB 79149

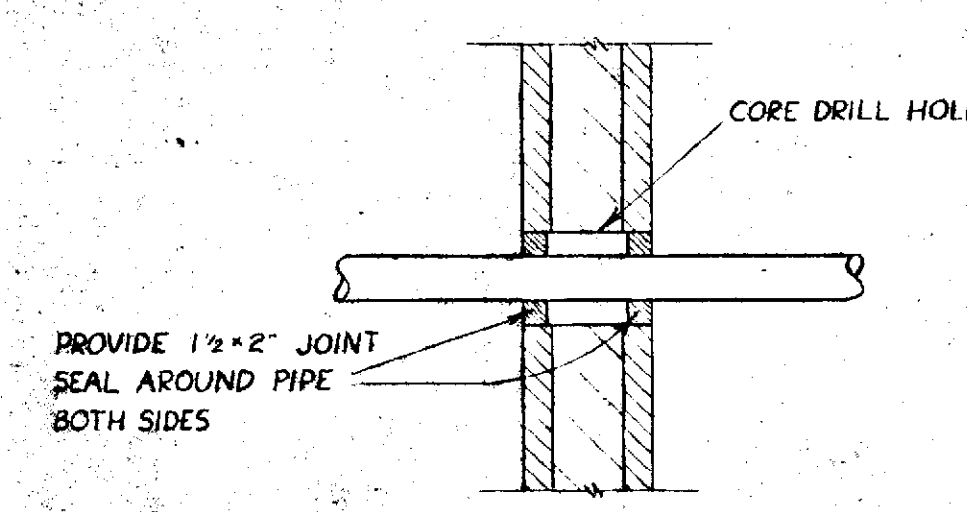
6-010-3 of 11



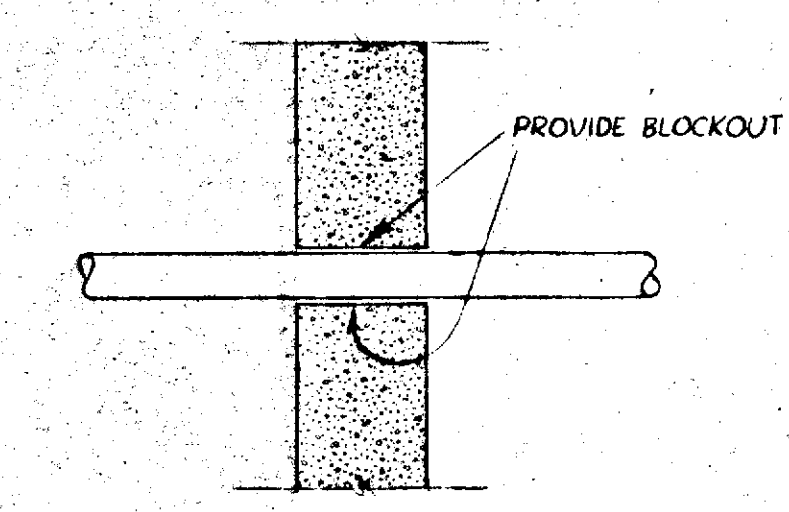
NOTE: CONTRACTOR TO FURNISH KEY REQ'D TO OPERATE CURB STOP
 1 STANDARD CONNECTION TO PUMP STATION WATER SERVICE
 SCALE: 1"=1'



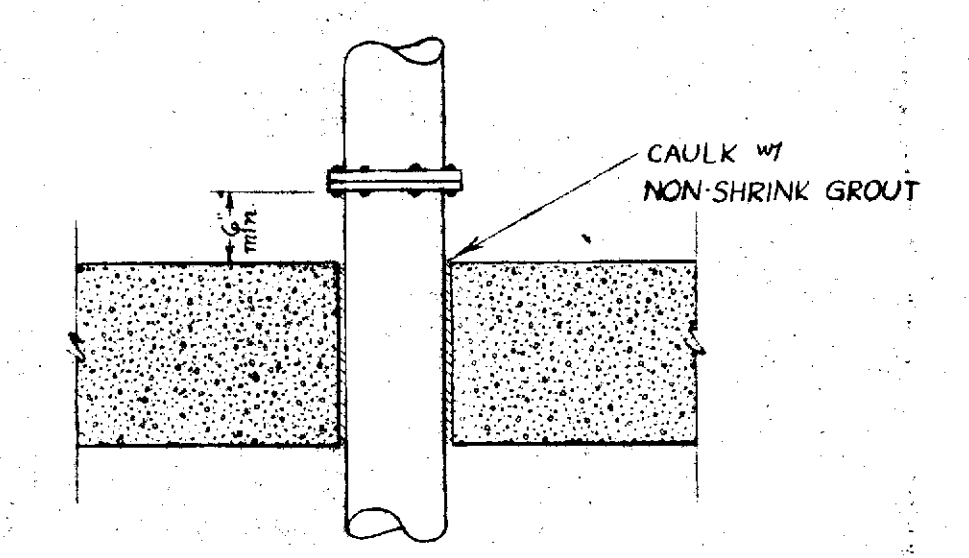
2 DRIP TRAP
 N.T.S.



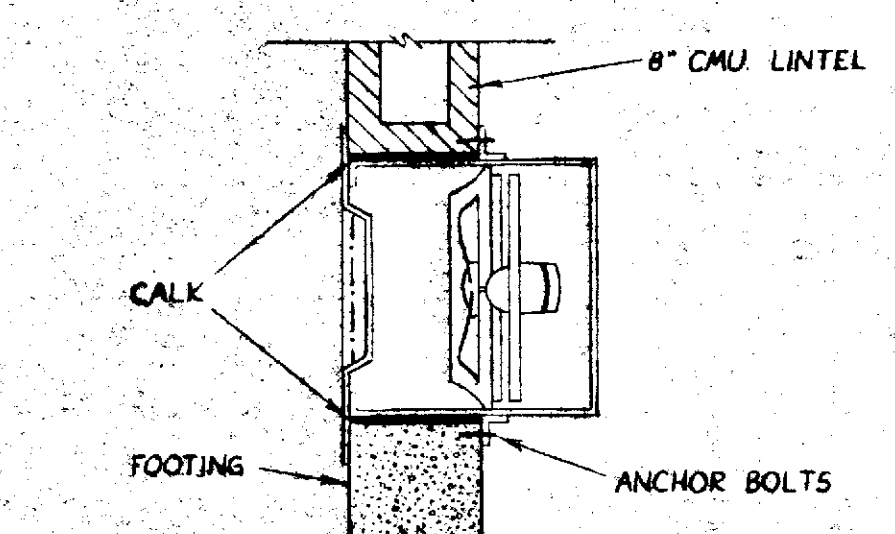
3 CMU WALL PENETRATION
 ABOVE GRADE
 SCALE: 1"=1'



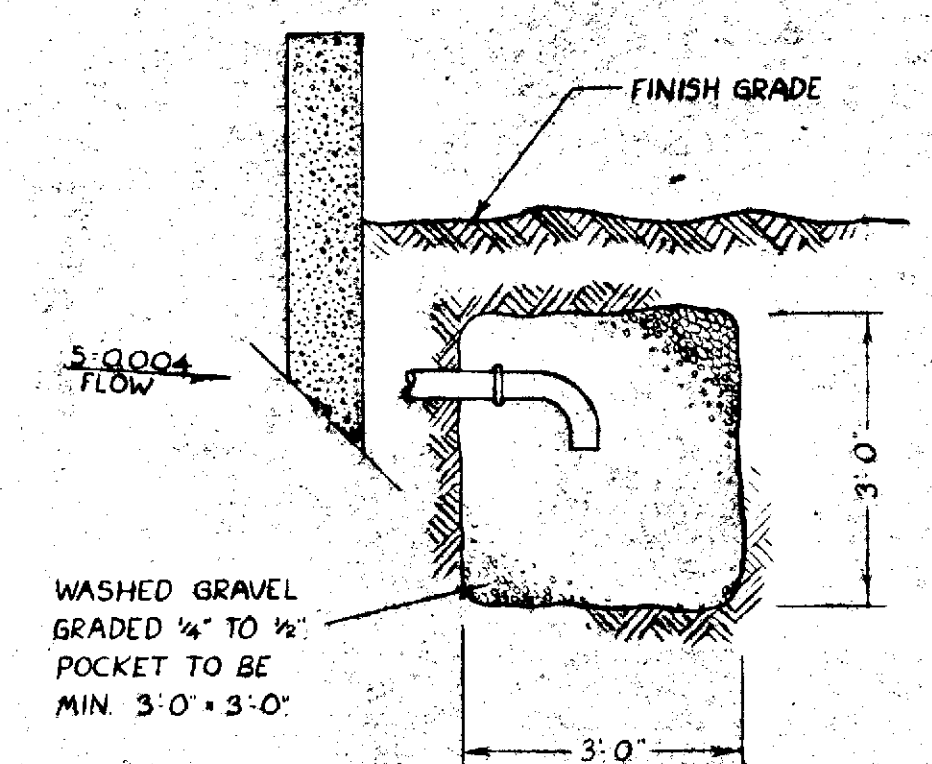
4 DRAIN & SMALL PIPES
 BELOW GRADE
 SCALE: 1"=1'



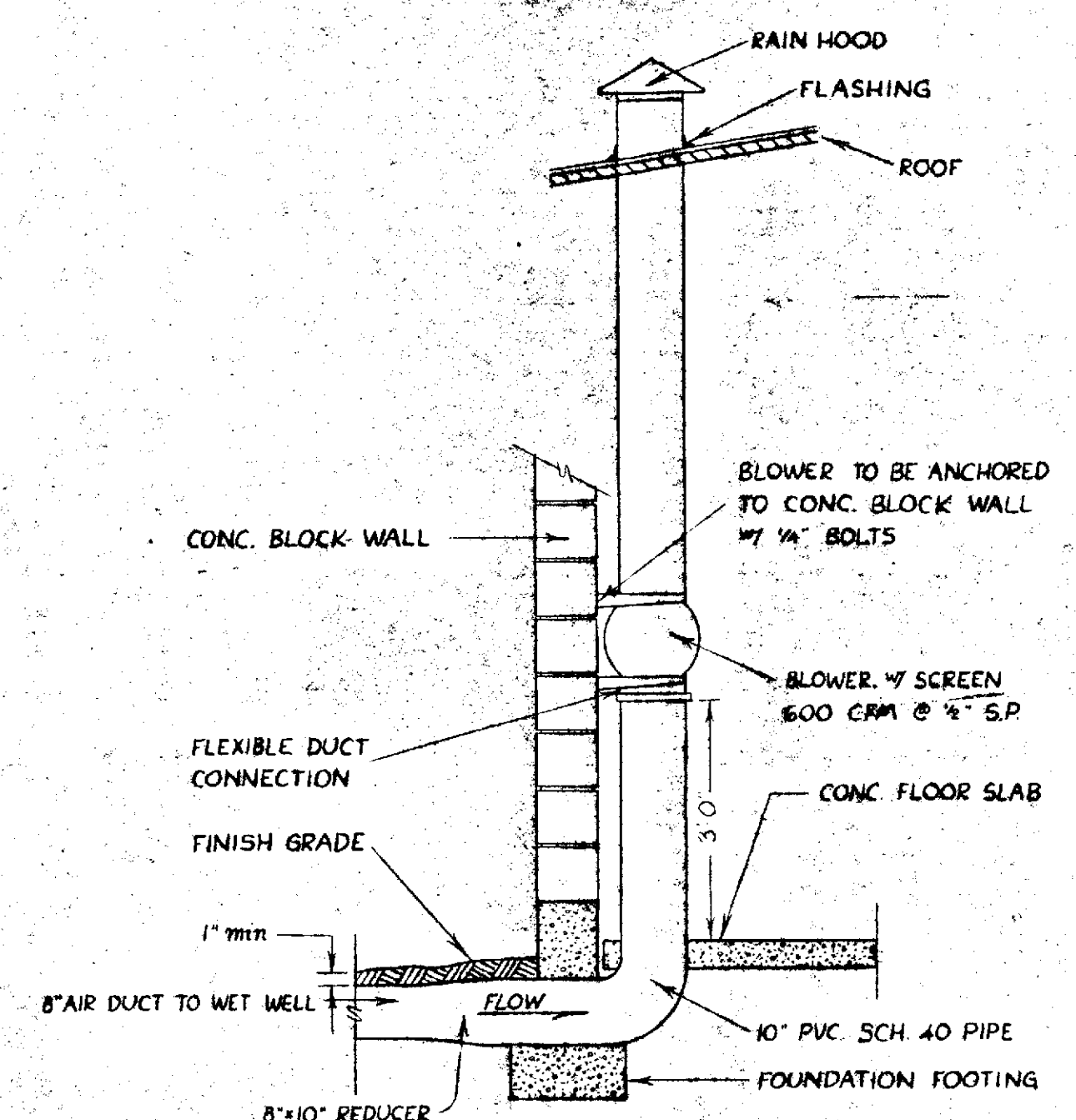
5 FLOOR PENETRATION
 N.T.S.



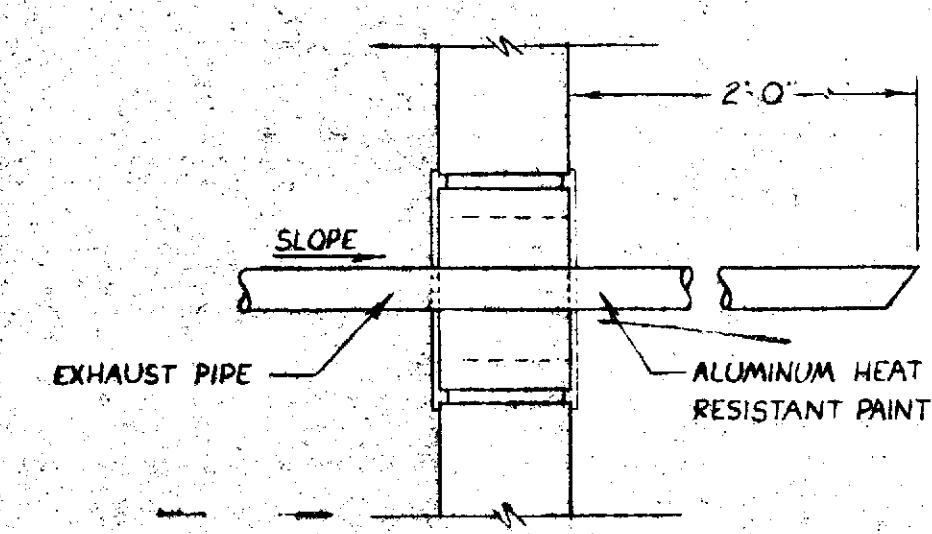
6 FAN DETAIL
 SCALE: 1"=1'



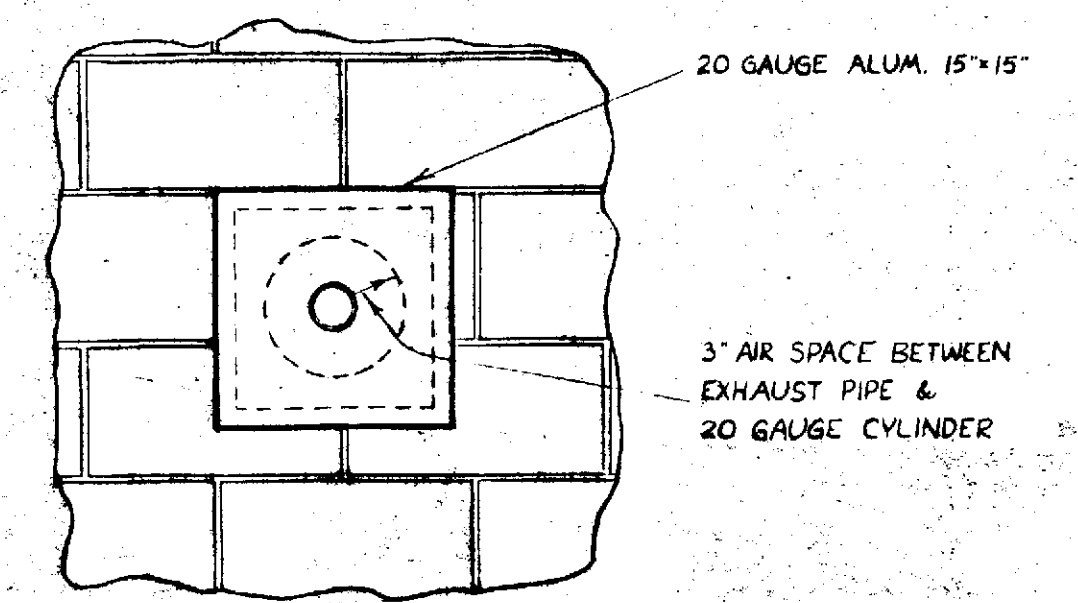
7 DRAIN
 N.T.S.



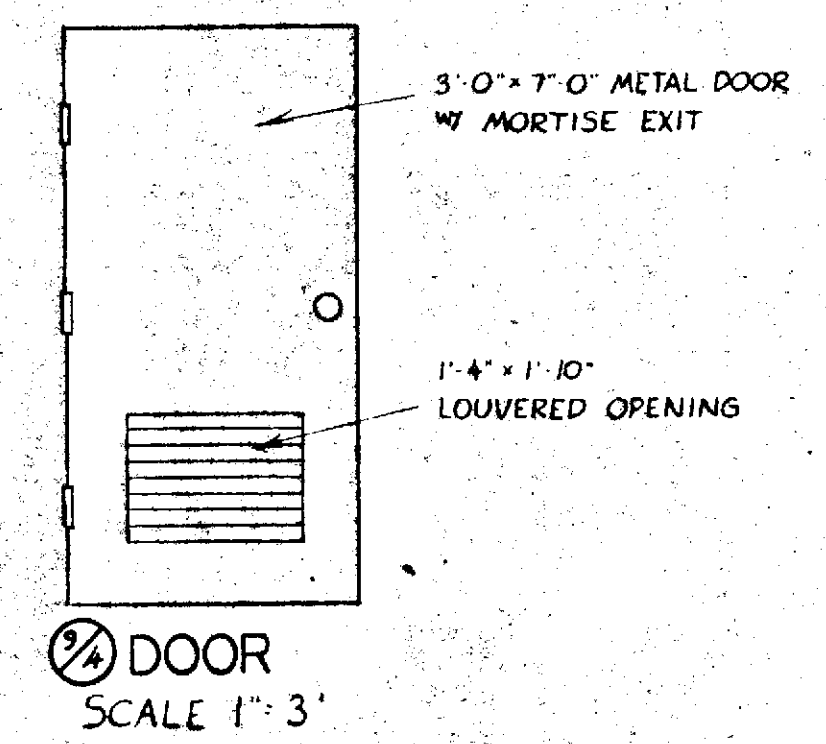
8 BLOWER MOUNTED IN CONTROL BUILDING
 SCALE: 1"=2'



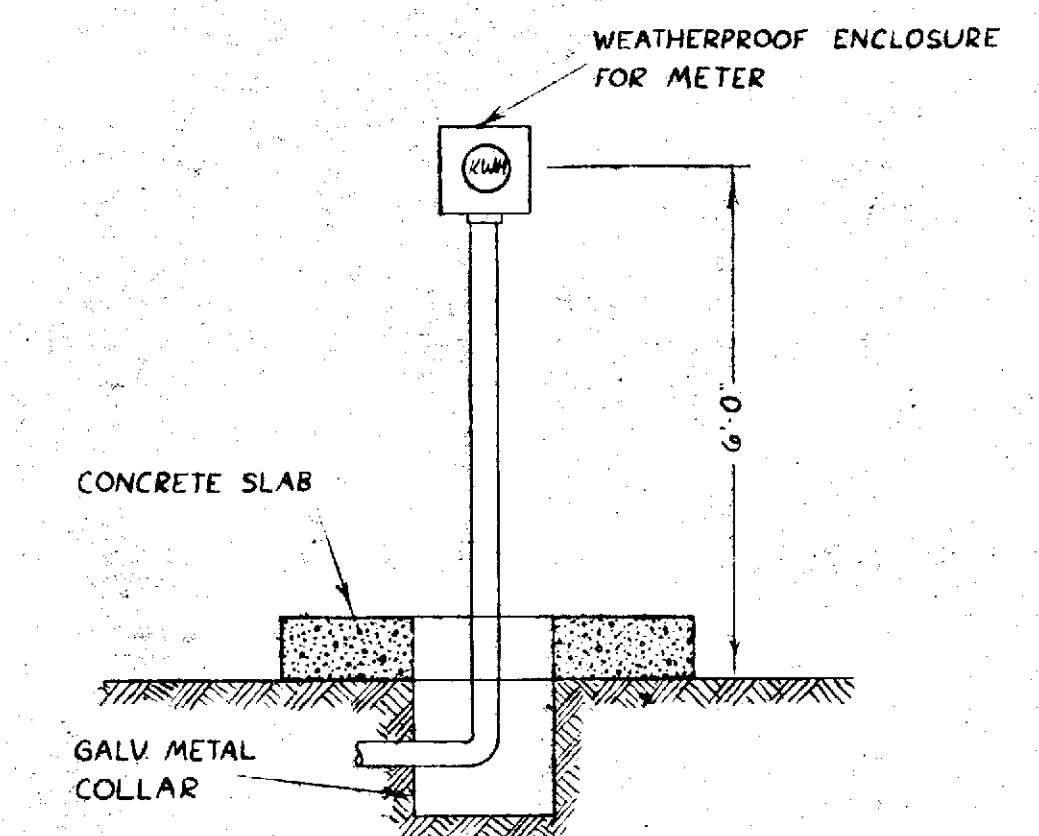
9 EXHAUST PIPE THRU WALL DETAIL
 SCALE: 1"=1'



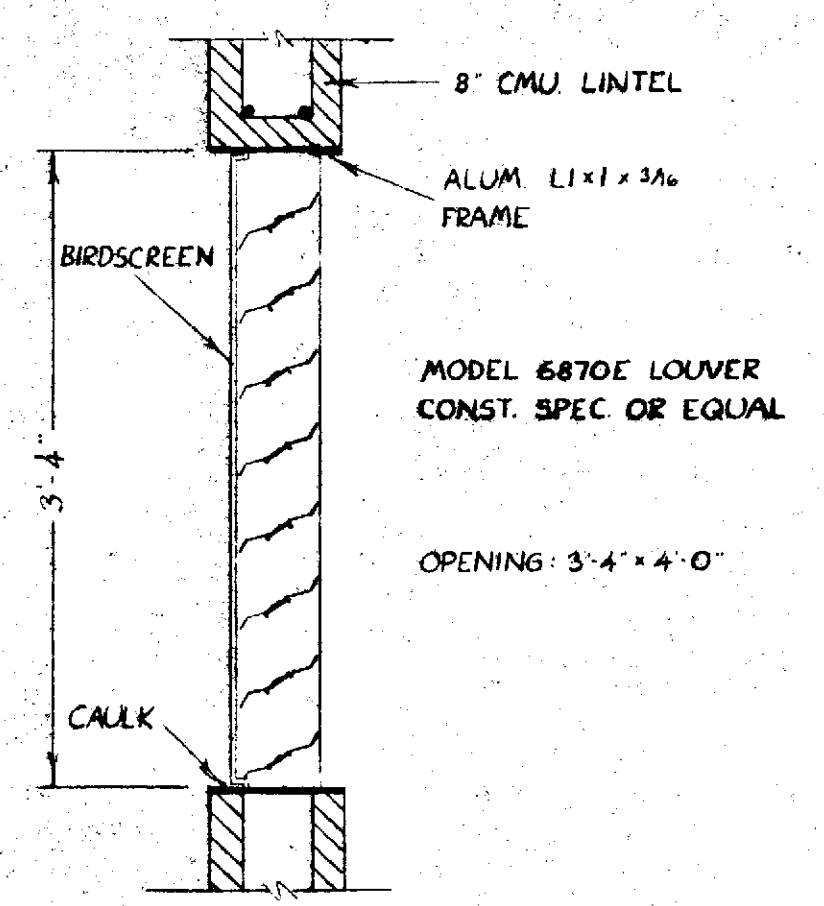
10 METER DETAIL
 N.T.S.



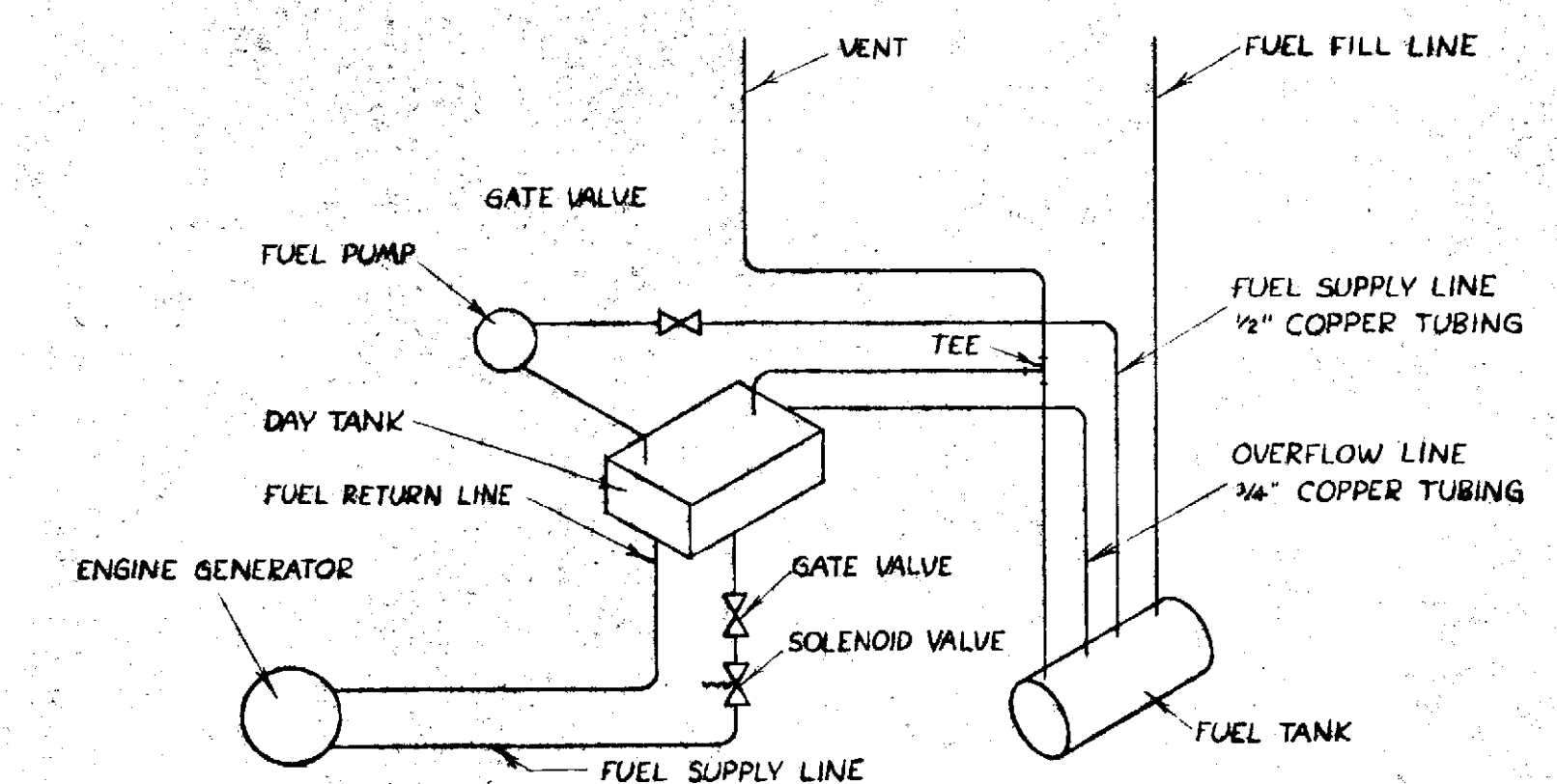
11 DOOR
 SCALE: 1"=3'



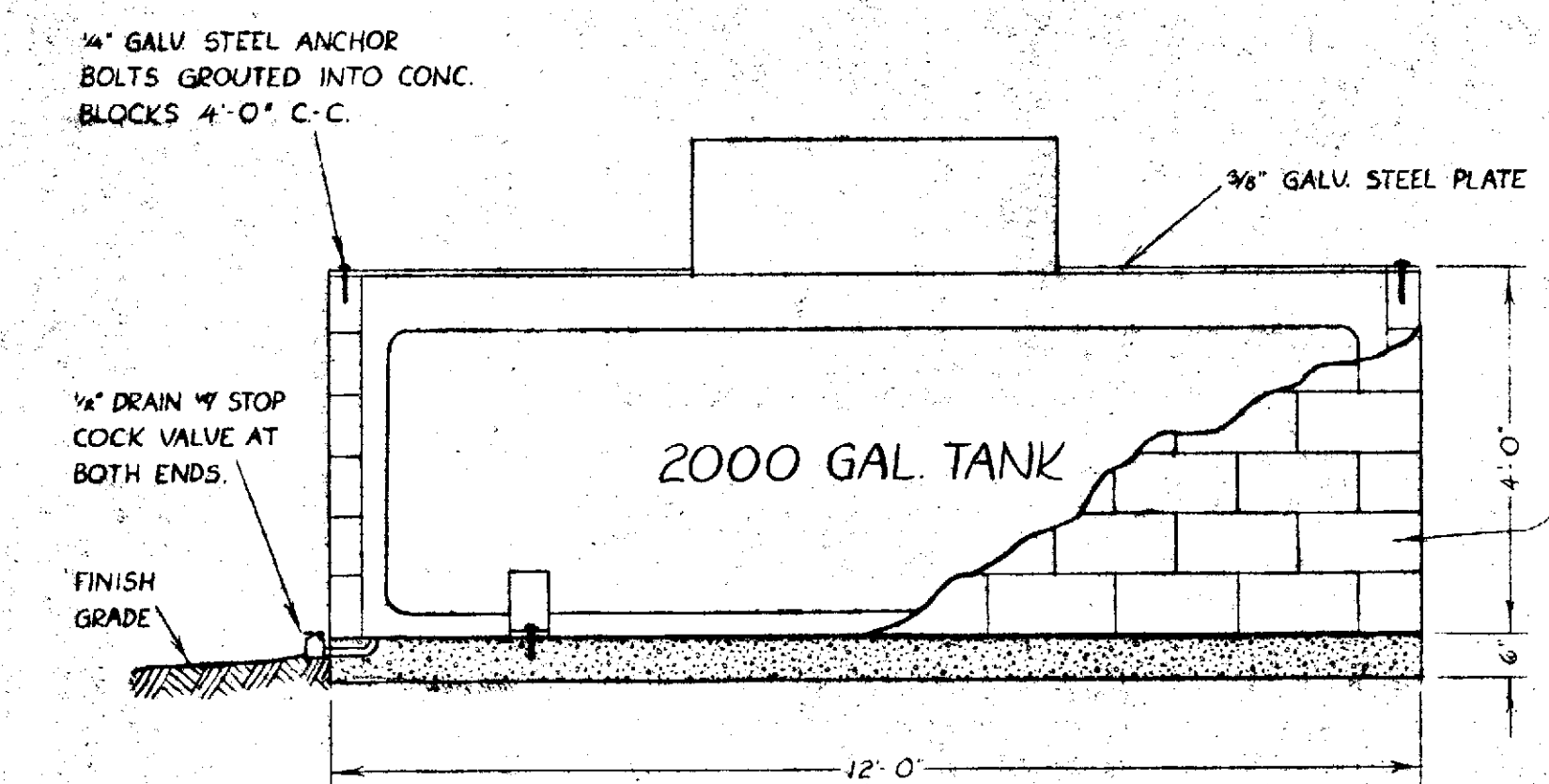
12 METER DETAIL
 N.T.S. FOR COUNTY USE ONLY
 DISTANCES AND ELEVATIONS NOT VERIFIED



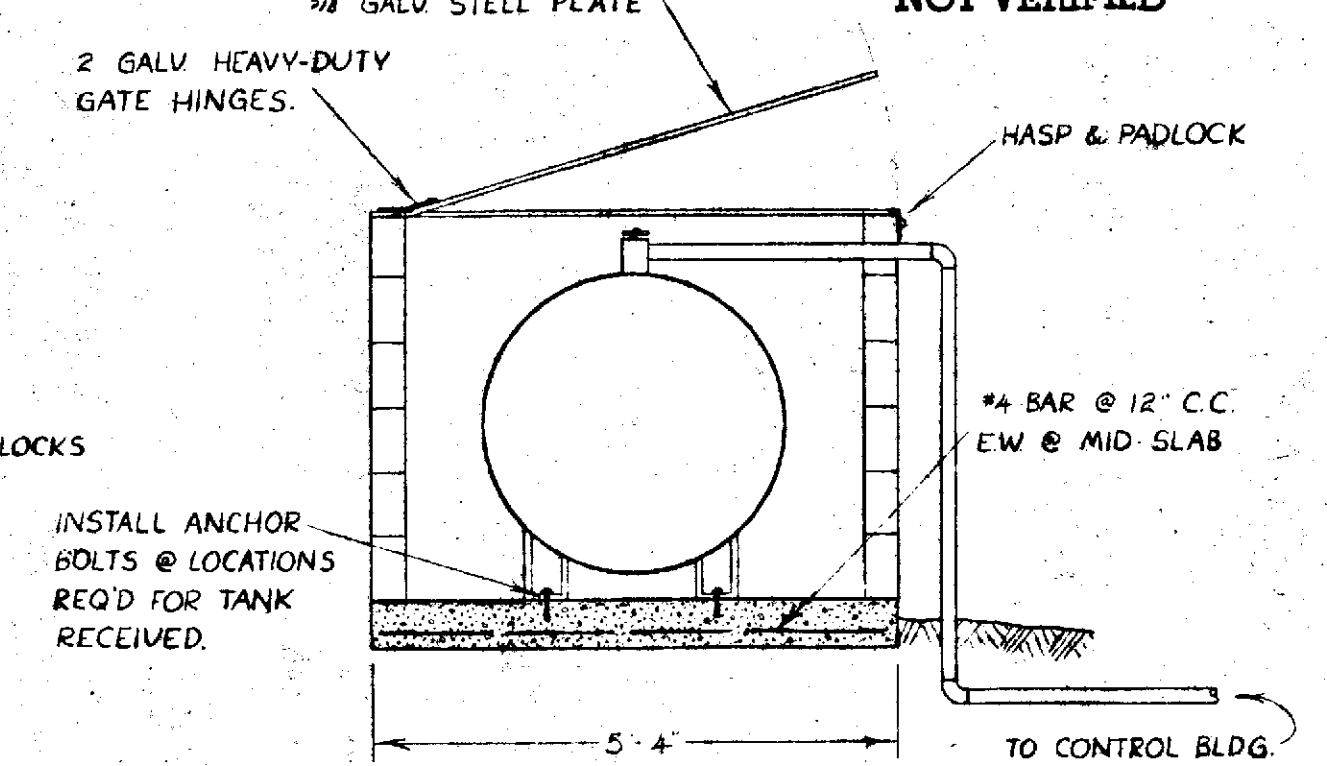
13 LOUVER DETAIL
 SCALE: 1"=1'



14 ENGINE GENERATOR FUEL SYSTEM PIPING SCHEMATIC



15 DIESEL TANK COVER & FOUNDATION DETAIL (BURIED TANK OPTIONAL)
 SCALE: 1"=3'



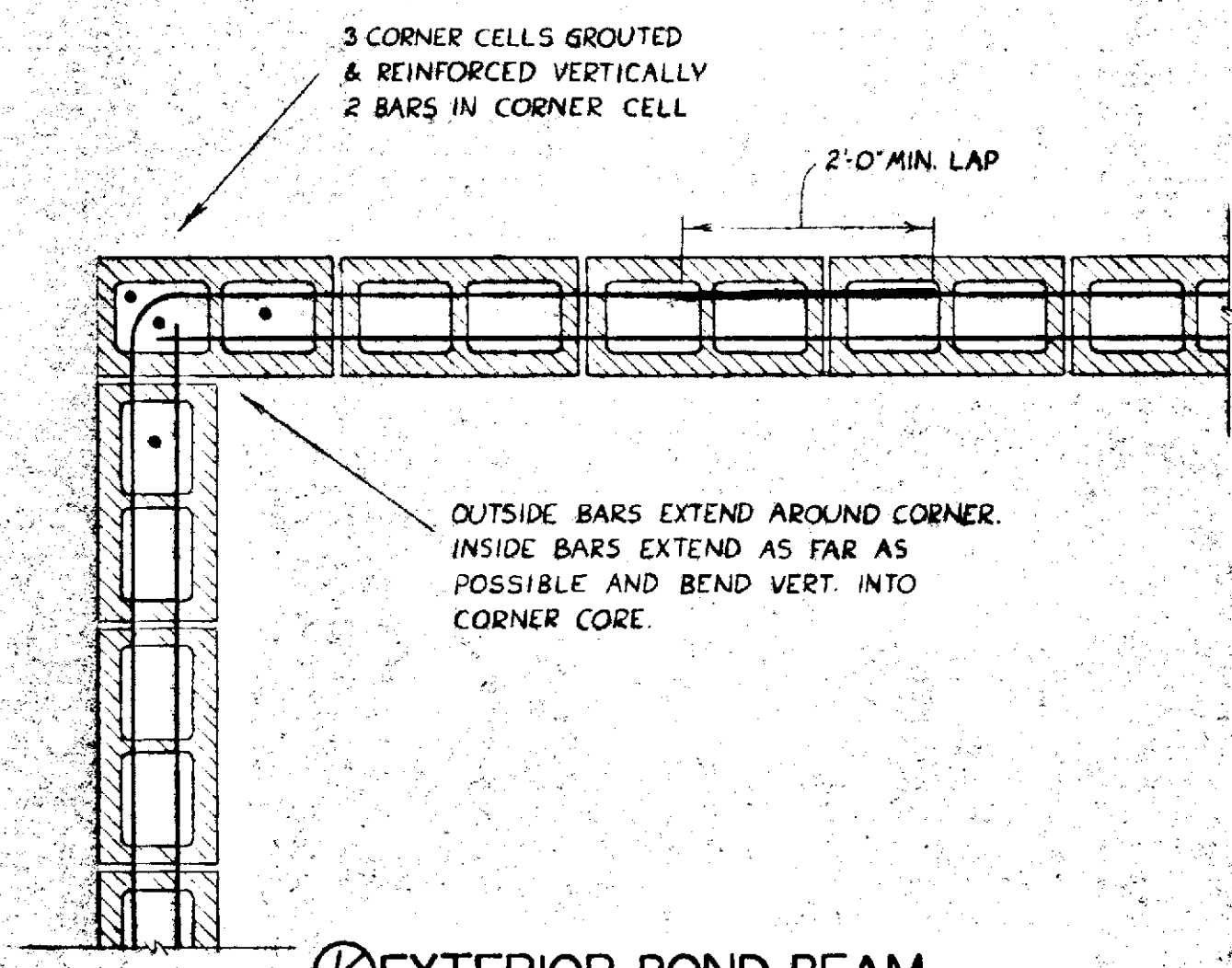
16 DIESEL TANK COVER & FOUNDATION DETAIL (BURIED TANK OPTIONAL)
 SCALE: 1"=3'

6040-4

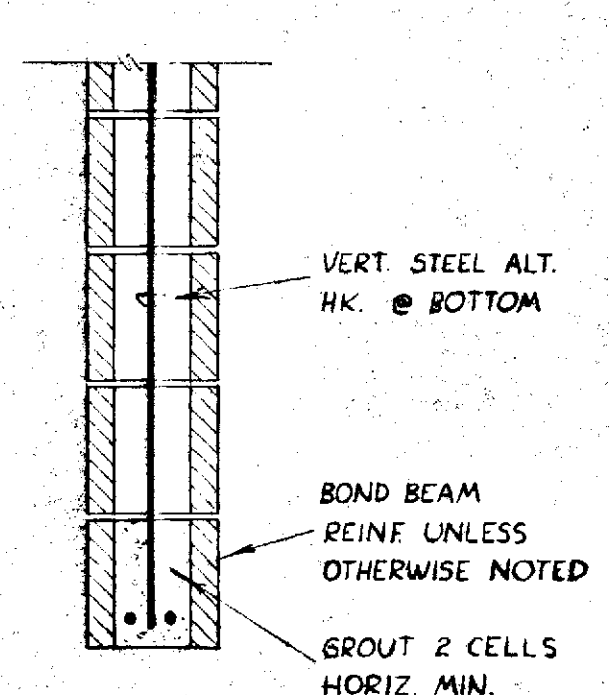


MAC LEANSBERRY INC.
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 PLANNERS
 288 MADRONE LANE NORTH
 BAINBRIDGE ISLAND, WASH. 98110
 (206) 842-5534

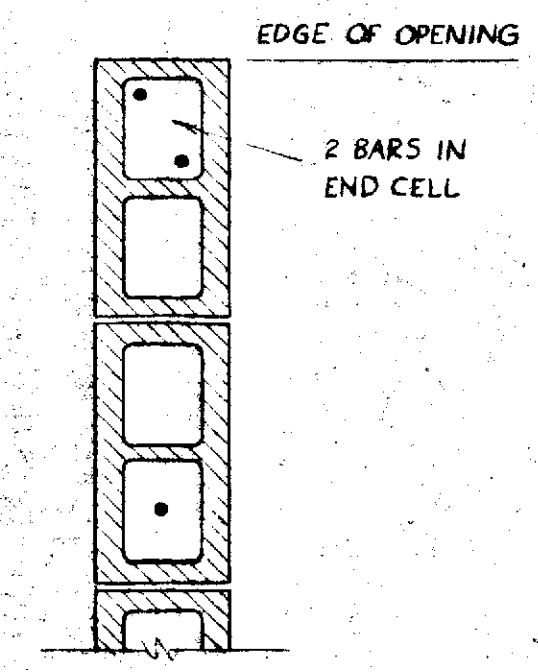
CLIENT		SILVERDALE LAND ASSOCIATES	
PROJECT		LIFT STATION #20 FAIRWAY LANE TO ELDERADO HILLS FORCE MAIN	
DRAWN BY	SCALE	AS NOTED	SHEET
APPROVED	DATE 6/80	F. BOOK	JOB 79149 OF 11



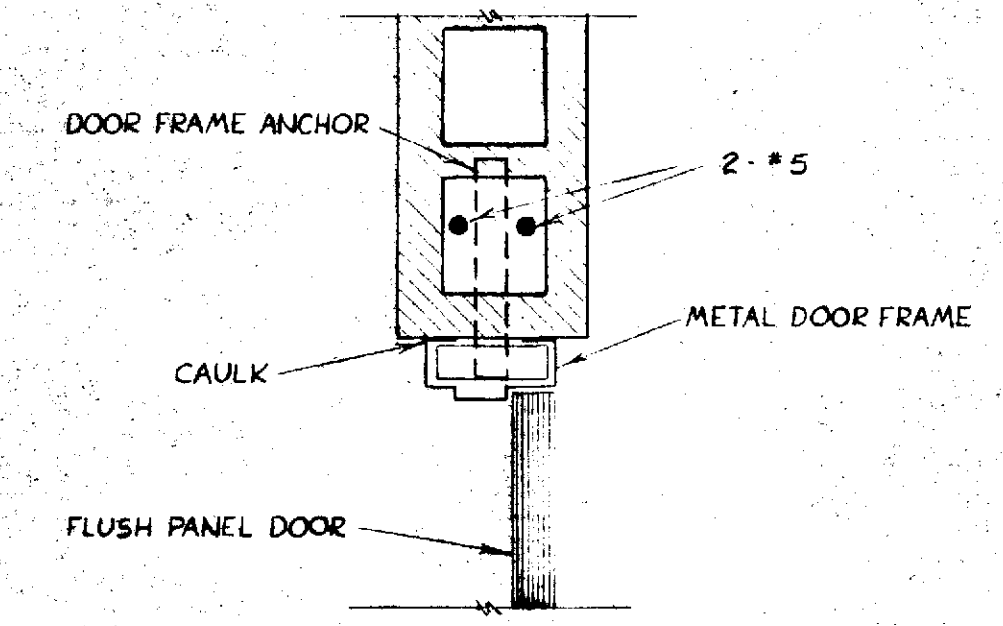
② EXTERIOR BOND BEAM
SCALE: 1" = 1'



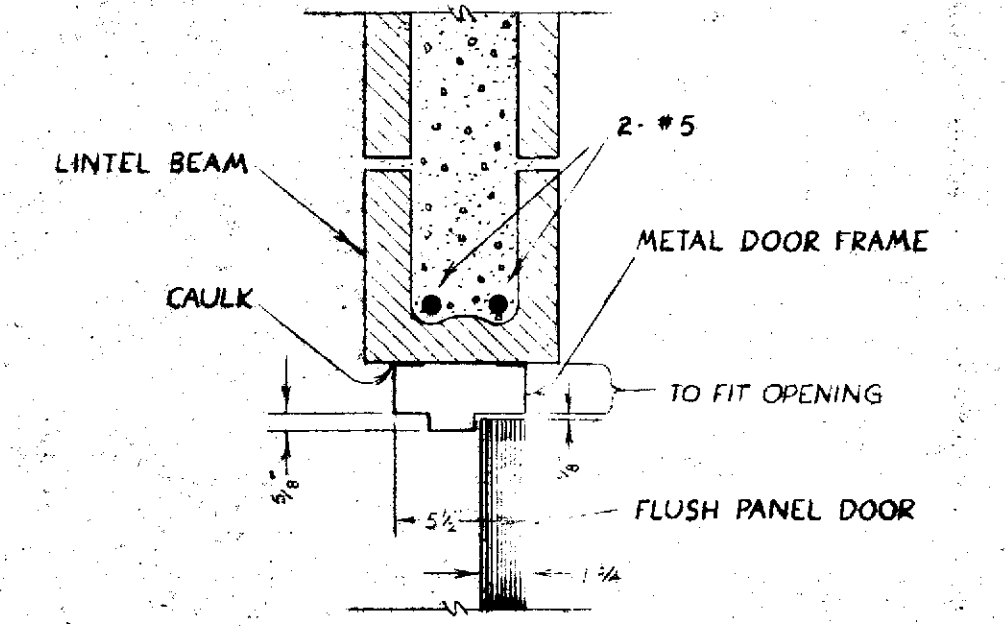
③ TYPICAL LINTEL
SCALE: 1" = 1'



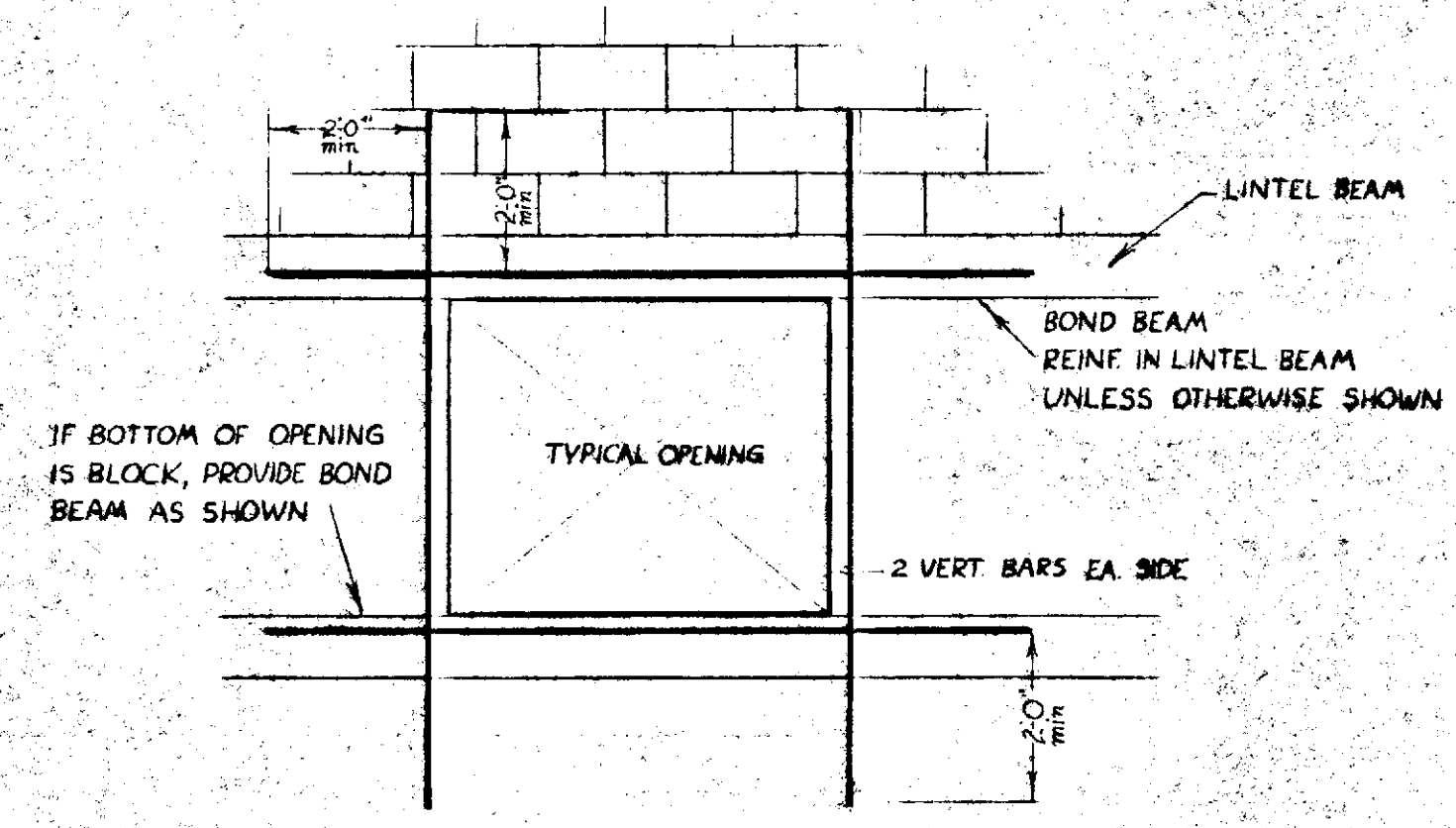
④ END OF WALL
SCALE: 1" = 1'



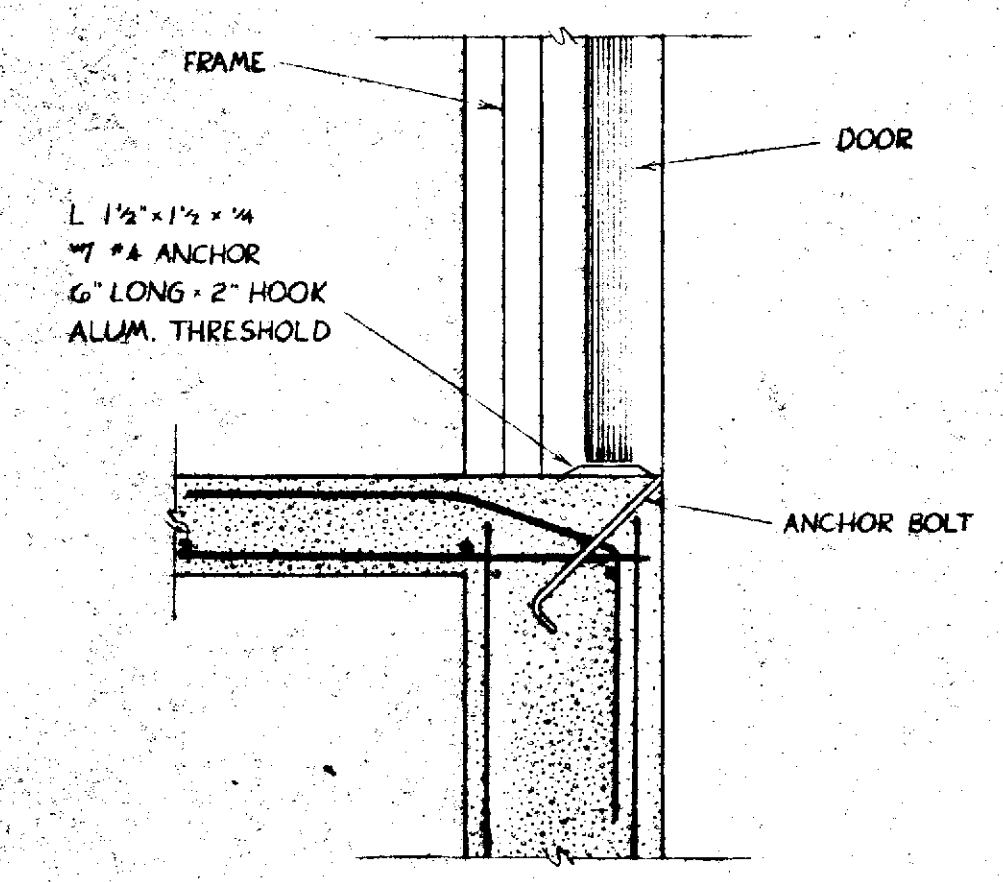
⑤ DOOR JAMB DETAIL
SCALE: 1/2" = 1'



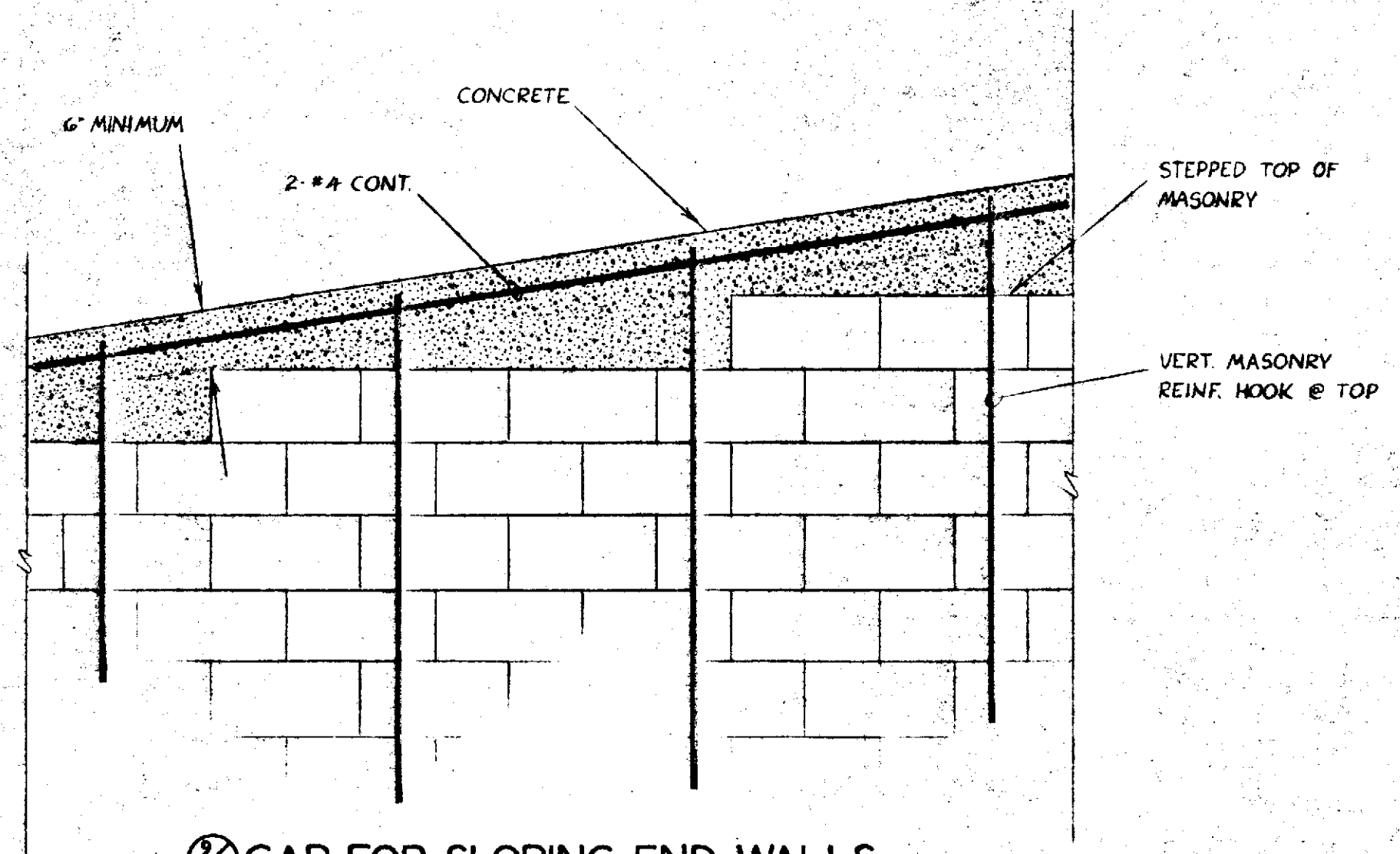
⑥ DOOR HEAD DETAIL
SCALE: 1/2" = 1'



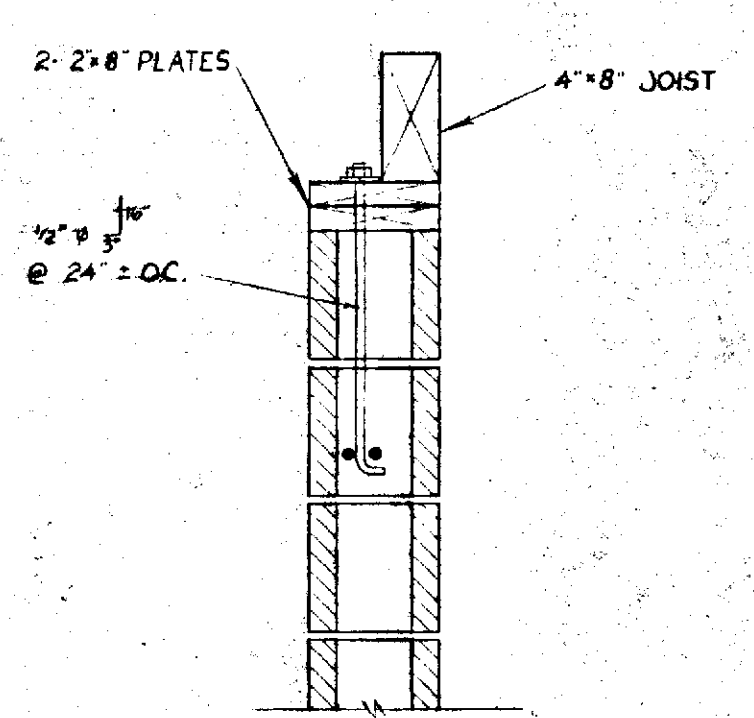
⑦ BLOCK WALL OPENING REINF.
N.T.S.



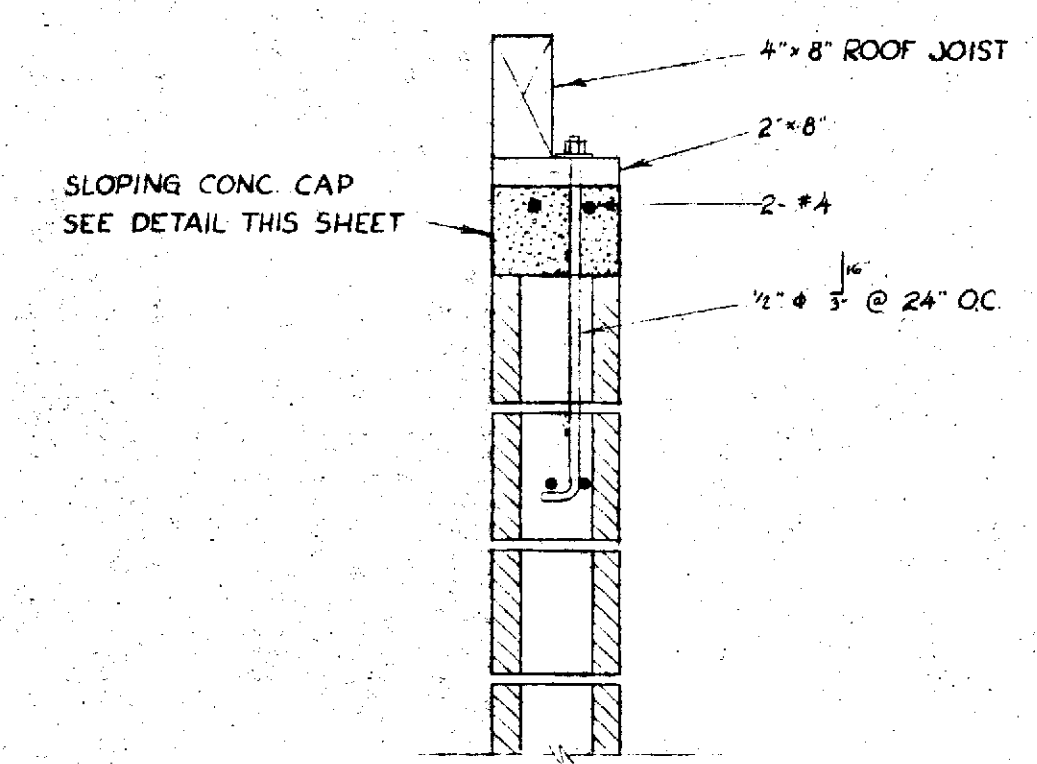
⑧ THRESHOLD DETAIL
SCALE: 1/2" = 1'



⑨ CAP FOR SLOPING END WALLS
SCALE: 1" = 3'



⑩ JOIST CONNECTION DETAIL TO BEARING WALL
SCALE: 1" = 1'



⑪ JOIST CONNECTION DETAIL TO SLOPING WALL
SCALE: 1" = 1'

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NO. VERIFIED

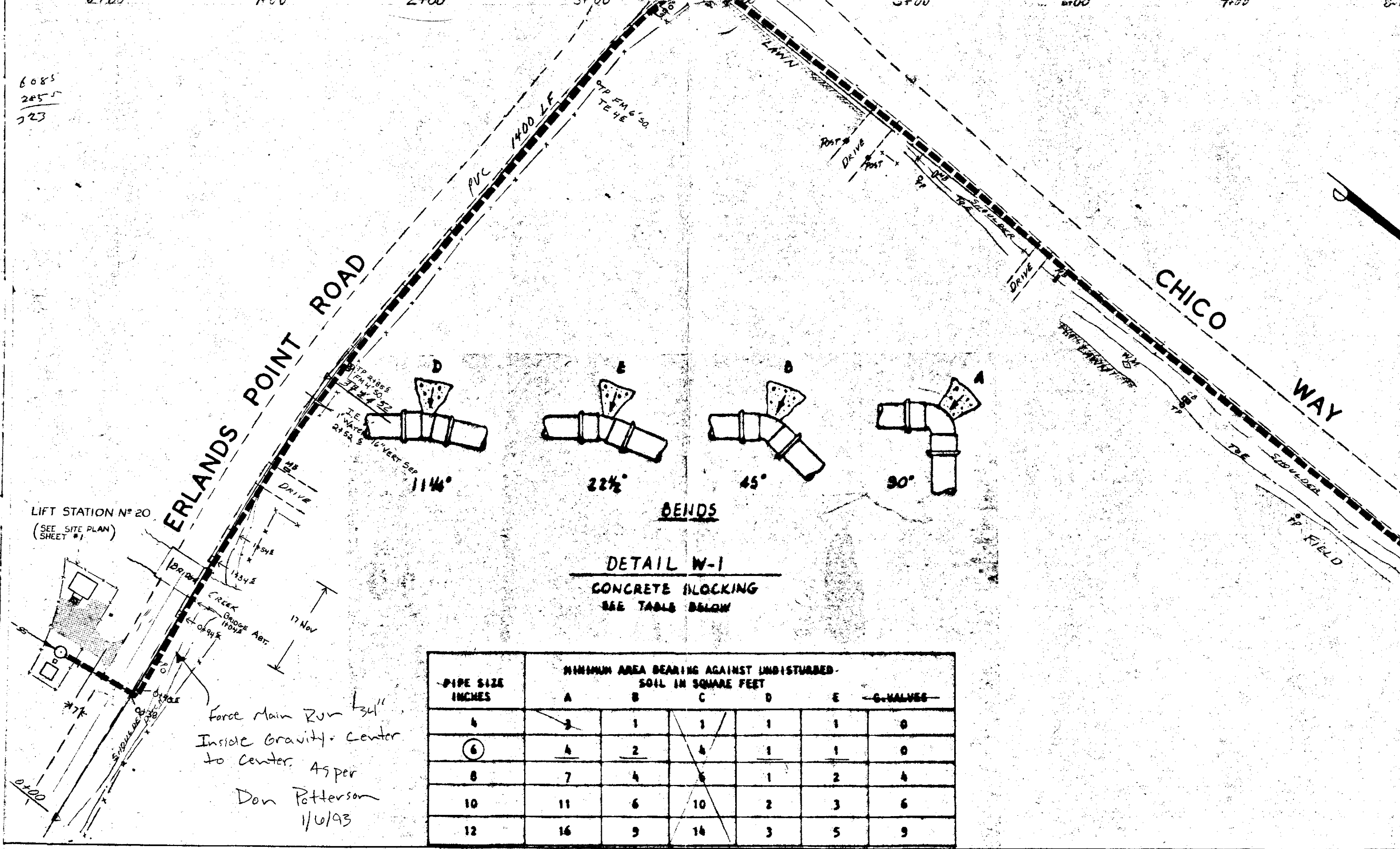
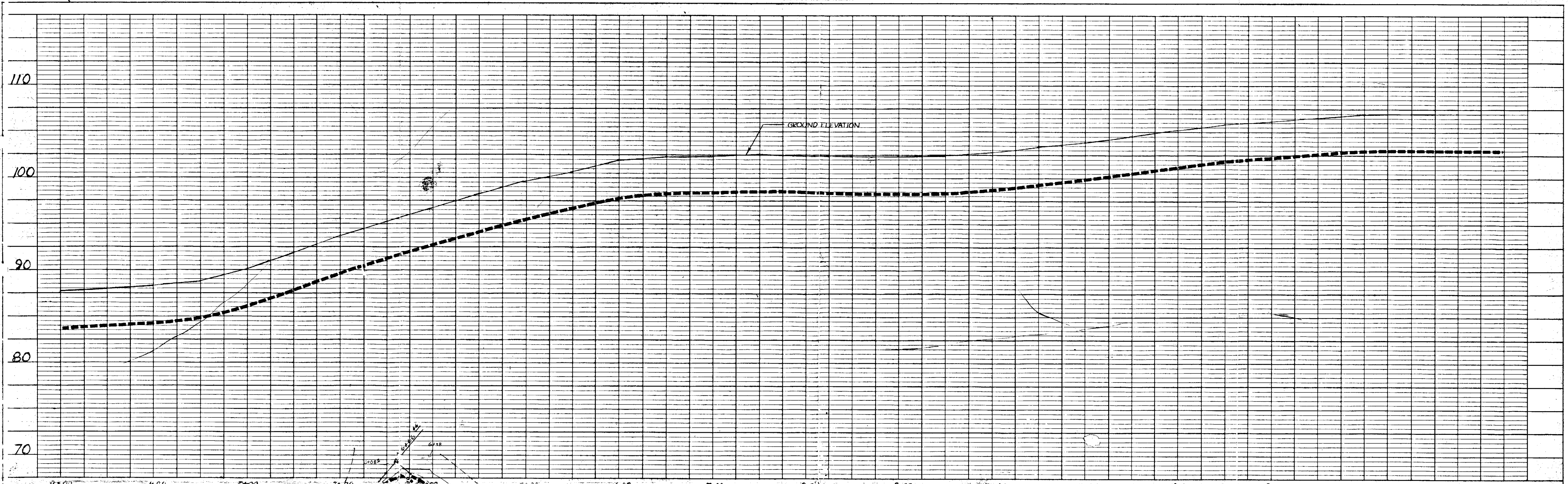


MACLEARNSBERRY INC.
CIVIL ENGINEERS
LAND SURVEYORS
PLANNERS

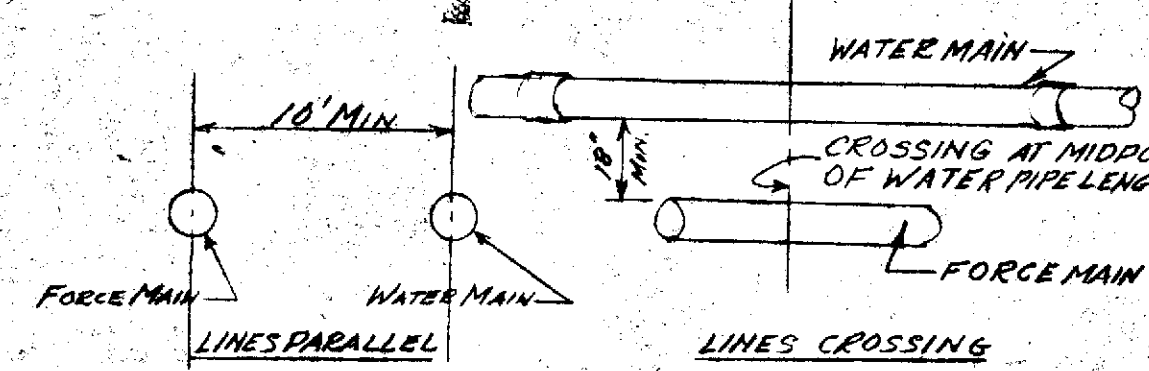
204 MADRONE LANE NORTH
BAINBRIDGE ISLAND, WASH. 98110
(206) 842-5514

CLIENT	SILVERDALE LAND ASSOCIATES		
PROJECT	LIFT STATION No 20 FAIRWAY LANE TO ELDORADO HILLS FORCE MAIN		
DRAWN BY	BAM.	SCALE	AS NOTED
APPROVED	DATE 6/80	F. BOOK	JOB 79149
			SHEET 3 OF 11

6.040-5 of 11



FOR COUNTY USE ONLY
 DISTANCES AND ELEVATIONS
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DETAILS OF WATER LINE-FORCE MAIN SEPARATION
 (SEE NOTES SHEETS 8, 9 & 10.)

CONCRETE BLOCKING NOTES:

1. MINIMUM BEARING AREAS BASED ON 200PSI WATER PRESSURE, AND SAFE SOIL BEARING LOAD OF 2,000 POUNDS PER SQUARE FOOT.
2. AREAS SHALL BE ADJUSTED FOR OTHER PIPE SIZES, PRESSURES AND SOIL CONDITIONS.
3. CONCRETE BLOCKING SHALL BE CAST IN PLACE AND SHALL HAVE A MINIMUM OF 1/4 SQUARE FOOT BEARING AGAINST THE FITTING.
4. CONCRETE BLOCKING SHALL BEAR AGAINST FITTINGS ONLY AND SHALL BE CLEAR OF JOINTS TO PERMIT DISMANTLING OR OTHER WORK.
5. BLOCKING SHALL WITHSTAND FULL TEST PRESSURE AS WELL AS NORMAL OPERATING PRESSURES UNDER ALL CONDITIONS OF SERVICE.

LEGEND

- FENCE LINE
- SIDE OF PAVEMENT
- CATCH BASIN
- TELEPHONE POLE
- PHONE STANDARD
- WATER METER BOX
- CULVERT
- MAIL BOX
- ROAD SIGN
- SCATTERED TREE
- DECIDUOUS TREE
- S.M. SEWER MANHOLE
- P.M. BENCH MARK
- S.D. STORM DRAIN
- M.M. CONTROL MONUMENT
- L.P. LIGHT POLE
- L.P. LIGHT POLE WIRE BOX
- J.B. JUNCTION BOX
- F.M. FORCE MAIN-SCHEDULE 40 PVC (DIP-TILE IRON CROSSING OR A.D. WATER MAIN)
- A.R.V. AIR VACUUM RELEASE VALVE ASSEMBLY; APCO Mod #4000 w/Backflow OR EQUAL, W. METER BOX (TRAFFIC TYPE COVER).

NOTE:
 PROVIDE CONCRETE THRUST BLOCKS AT EACH ANGLE POINT ALONG THE FORCE MAIN. BLOCKING SHALL BEAR AGAINST A MINIMUM OF 400 SQ. FT. OF UNDISTURBED SOIL AND AGAINST A MINIMUM 1/4 SQ. FT. OF FORCE MAIN FITTING.
 (1) MAXIMUM BEARING AREA. SEE DETAILS AND TABLES THIS SHEET FOR SPECIFIC EXAMPLES.

REVISED 6-13-91 MACL
 REVISED 6-3-81 MACL

DETAIL W-1
 CONCRETE BLOCKING
 SEE TABLE BELOW

PIPE SIZE INCHES	MINIMUM AREA BEARING AGAINST UNDISTURBED SOIL IN SQUARE FEET					G. VALVES
	A	B	C	D	E	
4	1	1	1	1	1	0
6	4	2	4	1	1	0
8	7	4	8	1	2	4
10	11	6	10	2	3	6
12	16	9	14	3	5	9

PROFILE

DATE	BY
NO. 1	NO. 1
NO. 2	NO. 2
NO. 3	NO. 3
NO. 4	NO. 4
NO. 5	NO. 5
NO. 6	NO. 6
NO. 7	NO. 7
NO. 8	NO. 8
NO. 9	NO. 9
NO. 10	NO. 10

PLAN

DATE	BY
NO. 1	NO. 1
NO. 2	NO. 2
NO. 3	NO. 3
NO. 4	NO. 4
NO. 5	NO. 5
NO. 6	NO. 6
NO. 7	NO. 7
NO. 8	NO. 8
NO. 9	NO. 9
NO. 10	NO. 10

6085
 285
 223

6.040



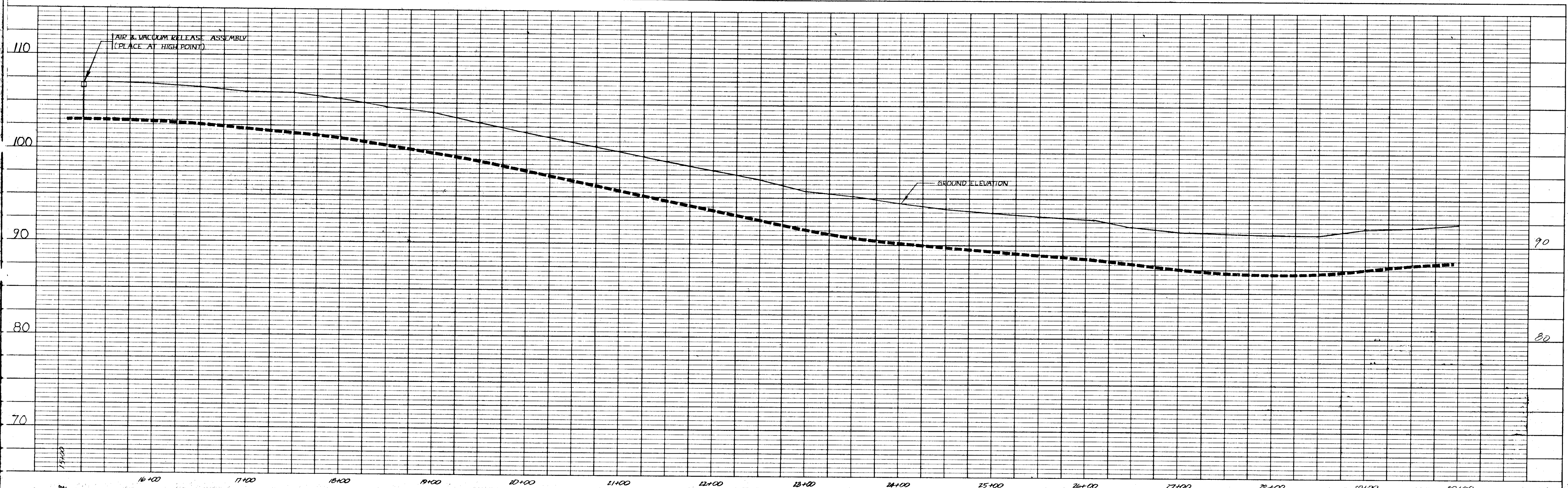
MAC LEANSBERRY
 CIVIL ENGINEERS
 LAND SURVEYORS
 PLANNERS
 201 HADRONE LANE NORTH
 BAINBRIDGE ISLAND, WASH. 98110
 (206) 842-5514

CLIENT
 SILVERDALE LAND ASSOCIATES

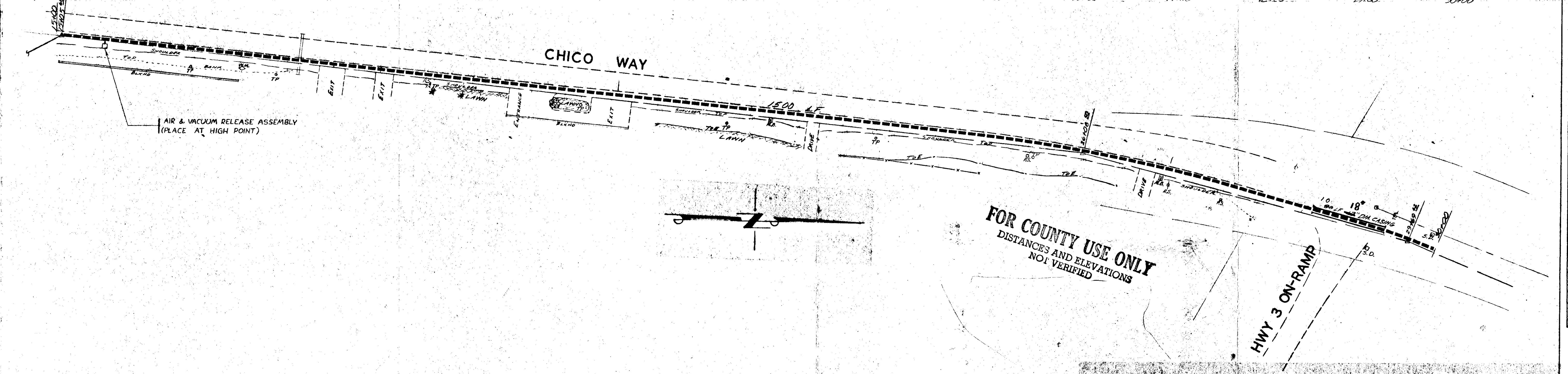
PROJECT
 LIFT STATION N° 20
 FAIRWAY LANE TO EL DorADO HILLS
 FORCE MAIN

DRAWN BY CJS **SCALE** 1"=50' **SHEET** 6
APPROVED MACL **DATE** 6/80 **F. BOOK** **JOB** 79149 **OF** 11

6.040



PROFILE	
DATE	BY
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS

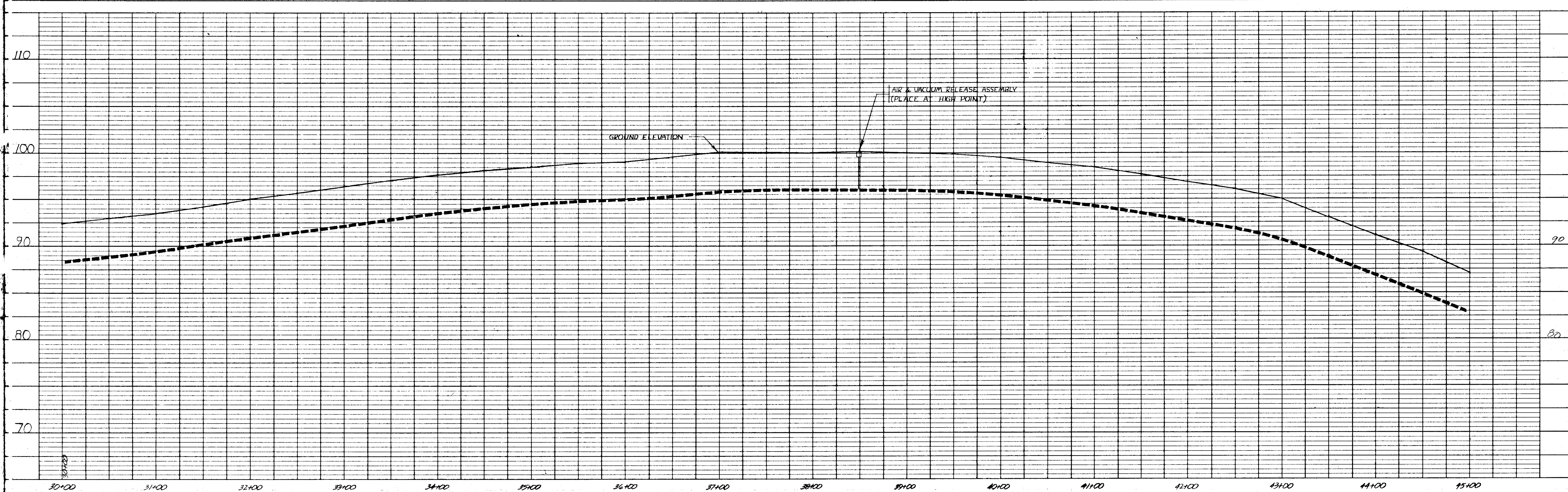


PLAN	
DATE	BY
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS
NO. OF SHEETS	NO. OF SHEETS

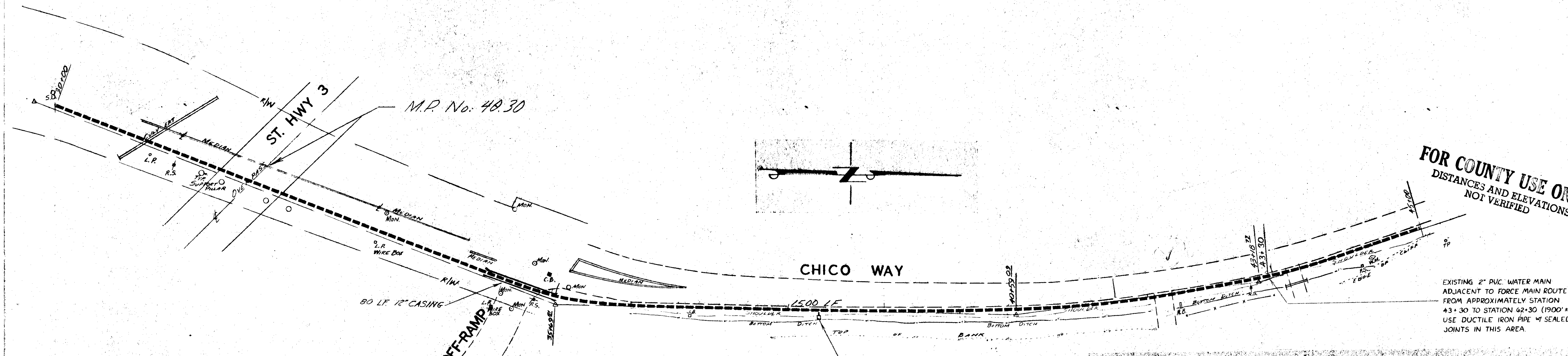


MAC LEANSBERRY
 CIVIL ENGINEERS
 LAND SURVEYORS
 PLANNERS
 208 MADRONE LANE NORTH
 BAINBRIDGE ISLAND, WASH. 98110
 (206) 842-5514

CLIENT	SILVERDALE LAND ASSOCIATES	
PROJECT	LIFT STATION N# 20 FAIRWAY LANE TO ELDORADO HILLS FORCE MAIN	
DRAWN BY	CJS	SCALE 1" = 50'
APPROVED	MAC	DATE 6/80
		JOB 79149
		SHEET 11 OF 11



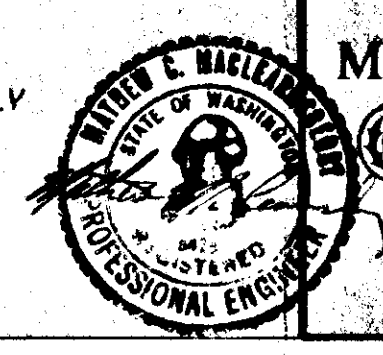
PROFILE	SURVISED	BY
NOTE BOOK	DATE CHECKED	
No. 1, A.I. NORTH	BY	
STRUCTURE NOTATIONS CHECKED		



PLAN	SURVISED	BY
NOTE BOOK	DATE CHECKED	
No. 1, A.I. NORTH	BY	
STRUCTURE NOTATIONS CHECKED		

FOR COUNTY USE ONLY
 DISTANCES AND ELEVATIONS
 NOT VERIFIED

EXISTING 2" PVC WATER MAIN
 ADJACENT TO FORCE MAIN ROUTE
 FROM APPROXIMATELY STATION
 43+30 TO STATION 62+30 (1900').
 USE DUCTILE IRON PIPE w/ SEALED
 JOINTS IN THIS AREA.

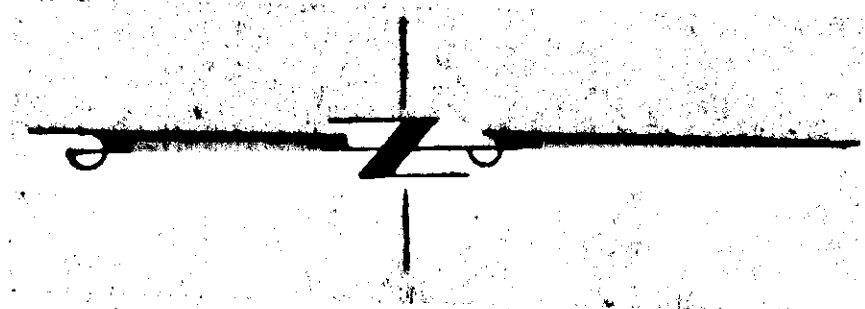


MAC LEARNSBERRY
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 (206) 842-5514

CLIENT	SILVERDALE LAND ASSOCIATES	
PROJECT	LIFT STATION N^o 20 FAIRWAY LANE TO ELDORADO HILLS FORCE MAIN	
DRAWN BY	CJS	SCALE 1" = 50'
APPROVED	MACL	DATE 6/80 F. BOOK
		JOB 79149 OF 11

NO.	DATE	BY
1	10/1/80	CJS
2	10/1/80	CJS
3	10/1/80	CJS
4	10/1/80	CJS
5	10/1/80	CJS
6	10/1/80	CJS
7	10/1/80	CJS
8	10/1/80	CJS
9	10/1/80	CJS
10	10/1/80	CJS

NO.	DATE	BY
1	10/1/80	CJS
2	10/1/80	CJS
3	10/1/80	CJS
4	10/1/80	CJS
5	10/1/80	CJS
6	10/1/80	CJS
7	10/1/80	CJS
8	10/1/80	CJS
9	10/1/80	CJS
10	10/1/80	CJS



AIR & VACUUM RELEASE ASSEMBLY
 (PLACE AT HIGH POINT)

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CHICO WAY

JOHNSON WAY

EXISTING 2" PVC WATER MAIN
 ADJACENT TO FORCE MAIN ROUTE
 FROM APPROXIMATELY STATION
 43+30 TO STATION 62+30 (1900 ±)
 USE DUCTILE IRON PIPE W/ WATER TIGHT
 JOINTS IN THIS AREA. PIPE SHALL BE
 LAID WITH THE CROWN AT LEAST 18 INCHES
 BELOW THE INVERT OF THE WATER MAIN.

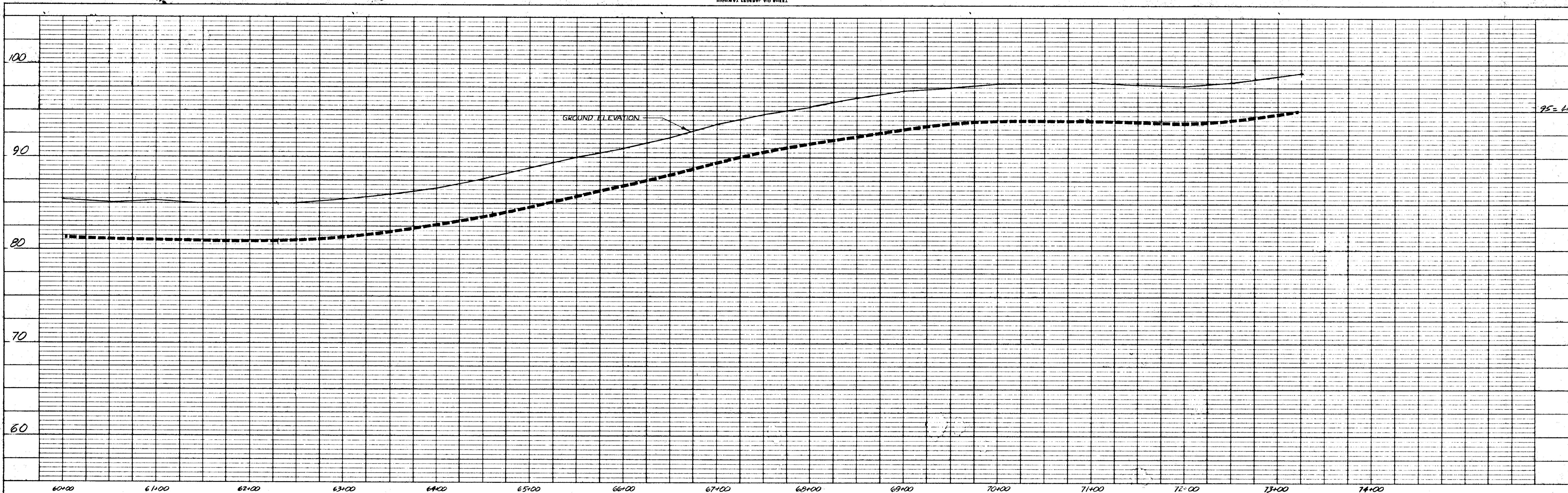


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CLIENT **SILVERDALE LAND ASSOCIATES**

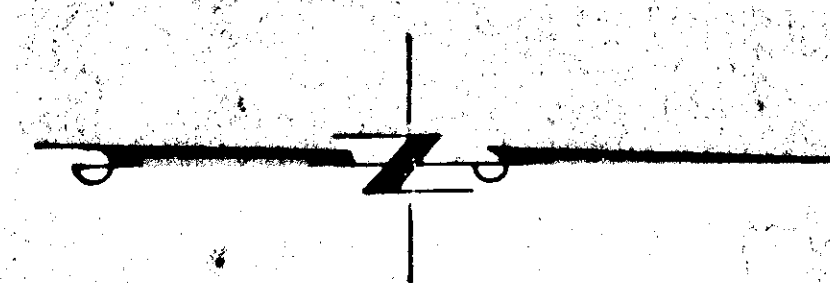
PROJECT **LIFT STATION N# 20
 FAIRWAY LANE TO ELDERADO HILLS
 FORCE MAIN**

DRAWN BY CJS SCALE 1" = 50'
 APPROVED MACL DATE 6/80 F. BOOK JOB 79149 SHEET 9 OF 11

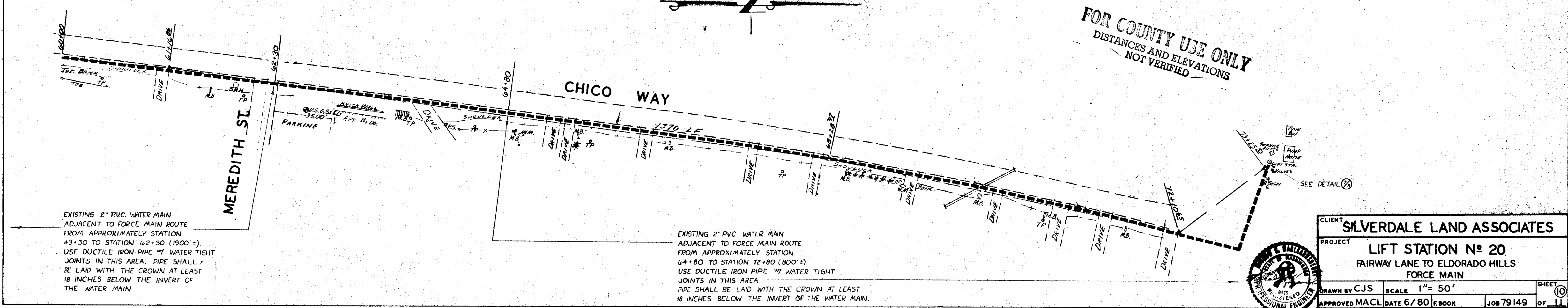


DATE	
BY	
CHECKED	
APPROVED	
PROJECT	
CLIENT	
SCALE	
SHEET	

DATE	
BY	
CHECKED	
APPROVED	
PROJECT	
CLIENT	
SCALE	
SHEET	

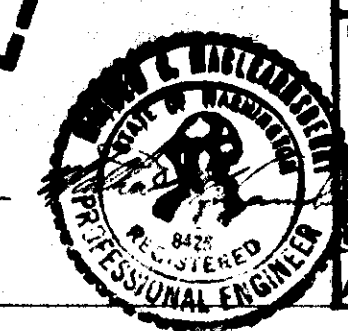


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 DISTANCES AND ELEVATIONS
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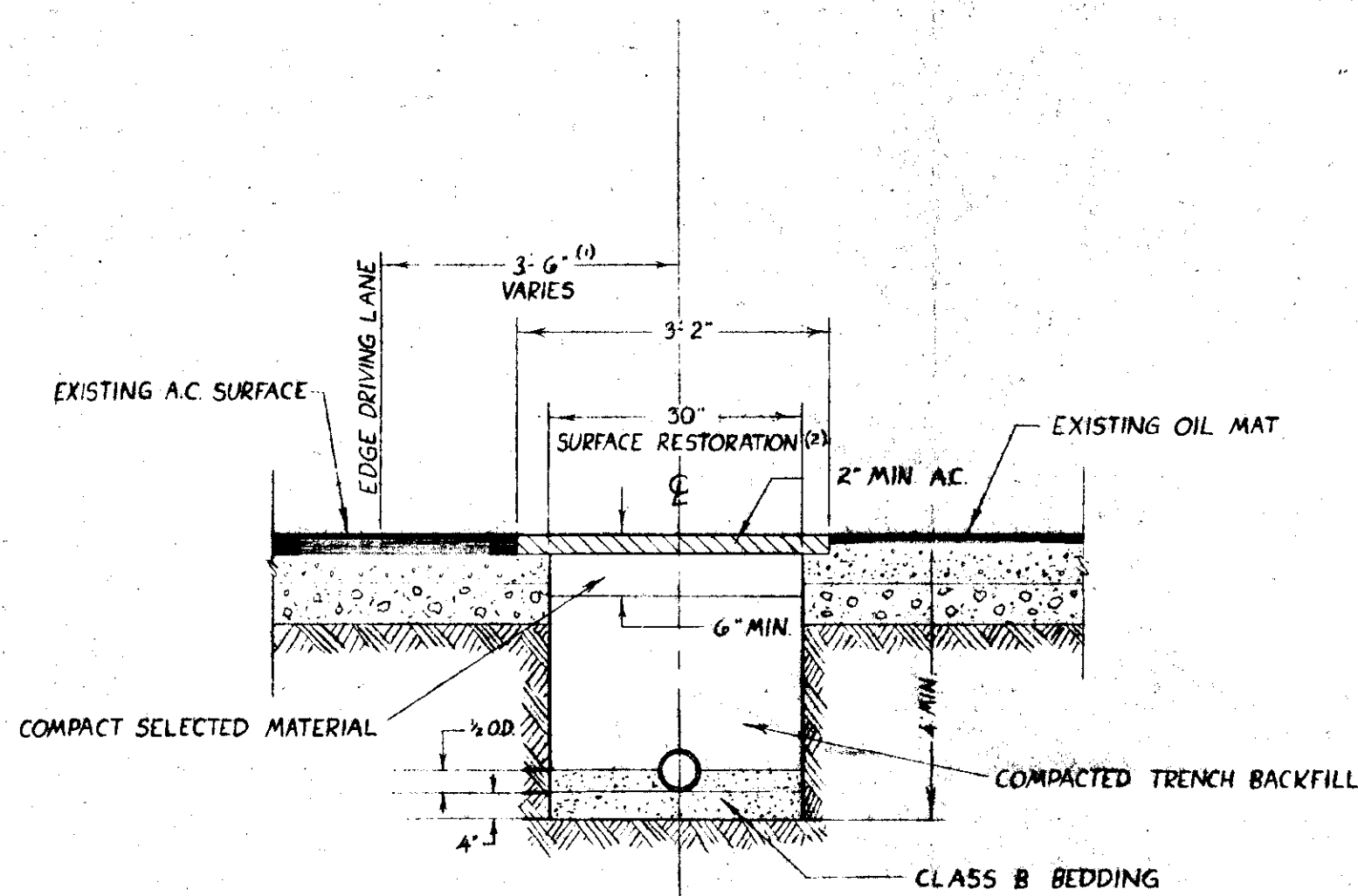


EXISTING 2" PVC WATER MAIN
 ADJACENT TO FORCE MAIN ROUTE
 FROM APPROXIMATELY STATION
 43+30 TO STATION 62+30 (1900')
 USE DUCTILE IRON PIPE 14" WATER TIGHT
 JOINTS IN THIS AREA. PIPE SHALL
 BE LAID WITH THE CROWN AT LEAST
 18 INCHES BELOW THE INVERT OF
 THE WATER MAIN.

EXISTING 2" PVC WATER MAIN
 ADJACENT TO FORCE MAIN ROUTE
 FROM APPROXIMATELY STATION
 64+80 TO STATION 72+80 (800')
 USE DUCTILE IRON PIPE 14" WATER TIGHT
 JOINTS IN THIS AREA.
 PIPE SHALL BE LAID WITH THE CROWN AT LEAST
 18 INCHES BELOW THE INVERT OF THE WATER MAIN.

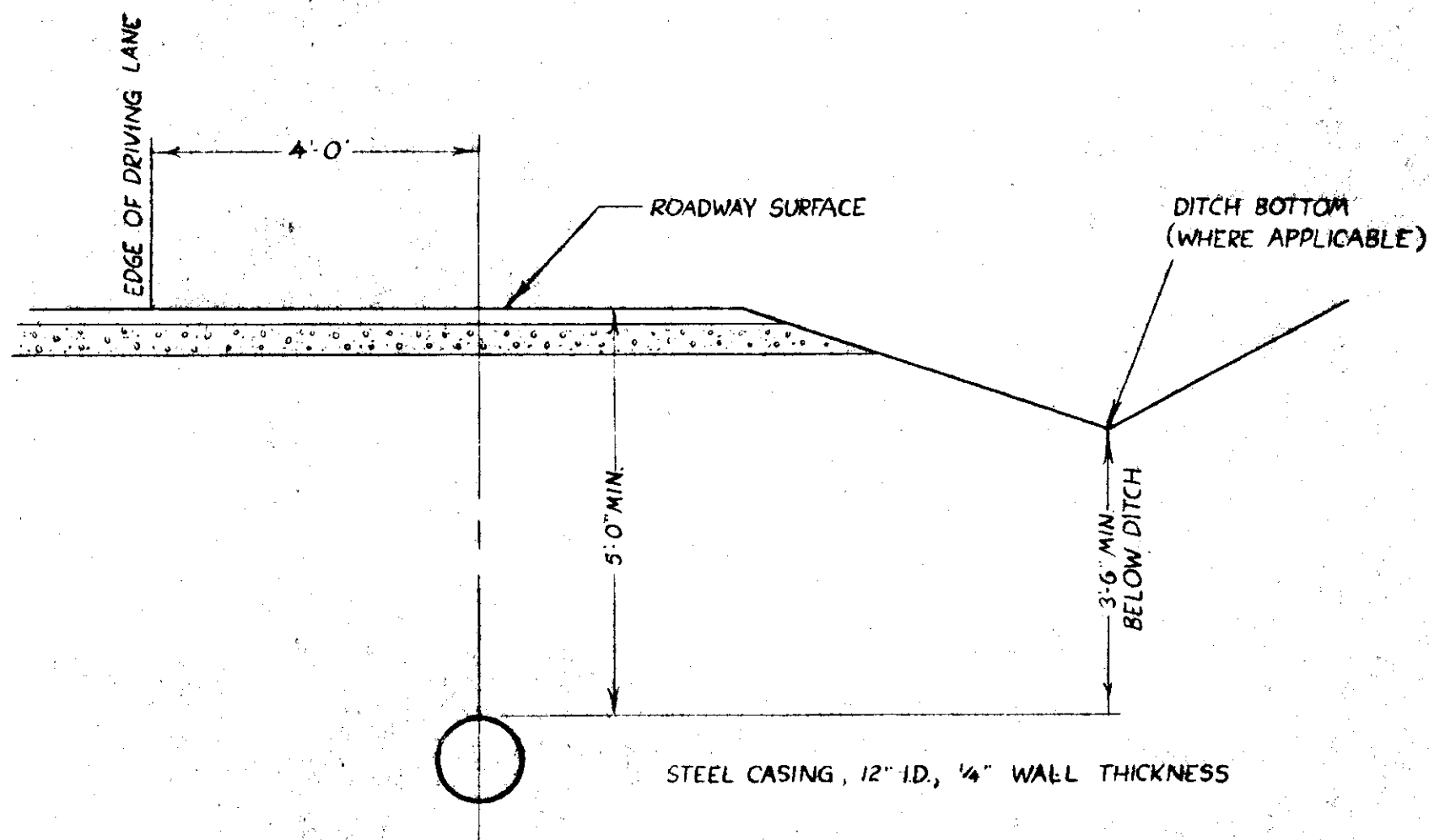


CLIENT	SILVERDALE LAND ASSOCIATES		
PROJECT	LIFT STATION No 20 FAIRWAY LANE TO ELDORADO HILLS FORCE MAIN		
DRAWN BY	CJS	SCALE	1"= 50'
APPROVED	MACL	DATE	6/80
BOOK		JOB	79149
SHEET	10	OF	11



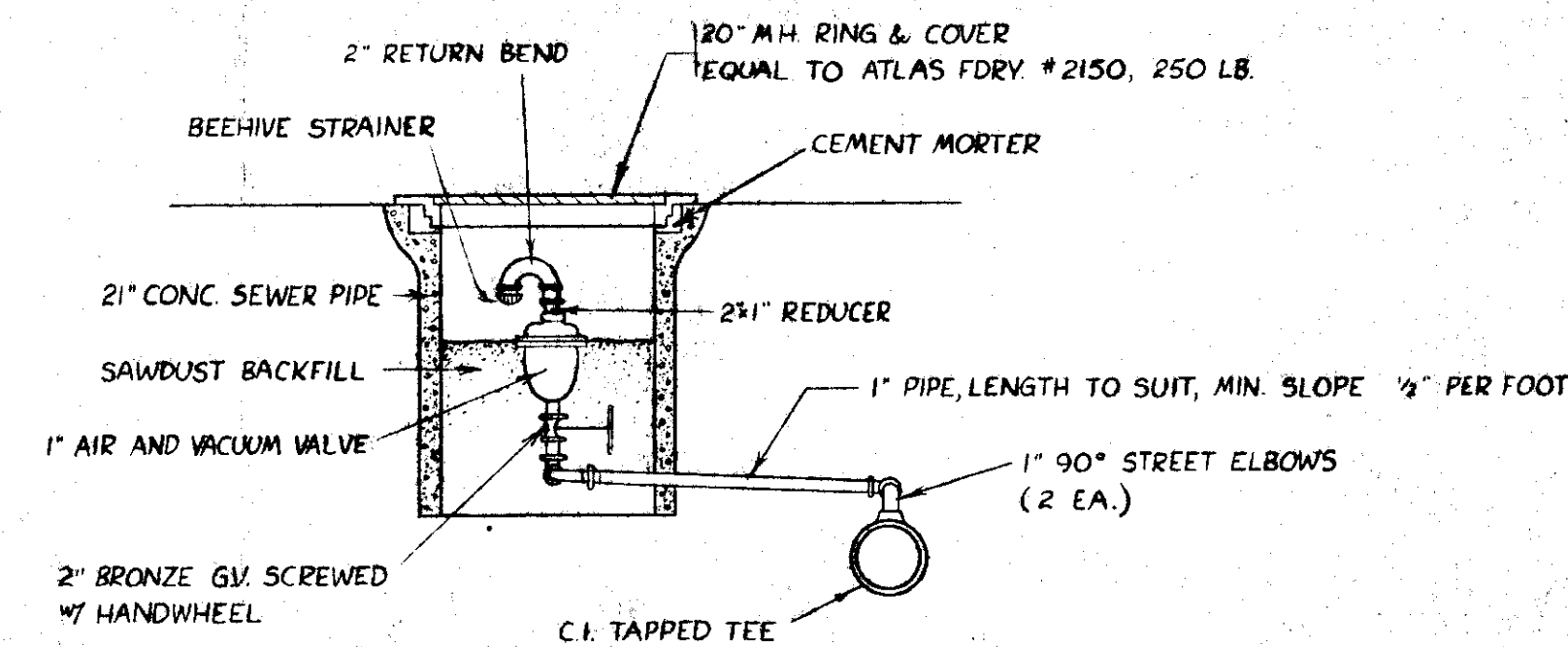
⑩ TYPICAL FORCE MAIN DITCH SECTION

- (1) DISTANCE WILL VARY WHERE OTHER UTILITIES ARE ENCOUNTERED.
- (2) WHERE EXISTING SURFACING IS ASPHALT OR OIL MAT, CUT EVENLY AND PATCH 4" BEYOND DITCH SECTION ON EACH SIDE

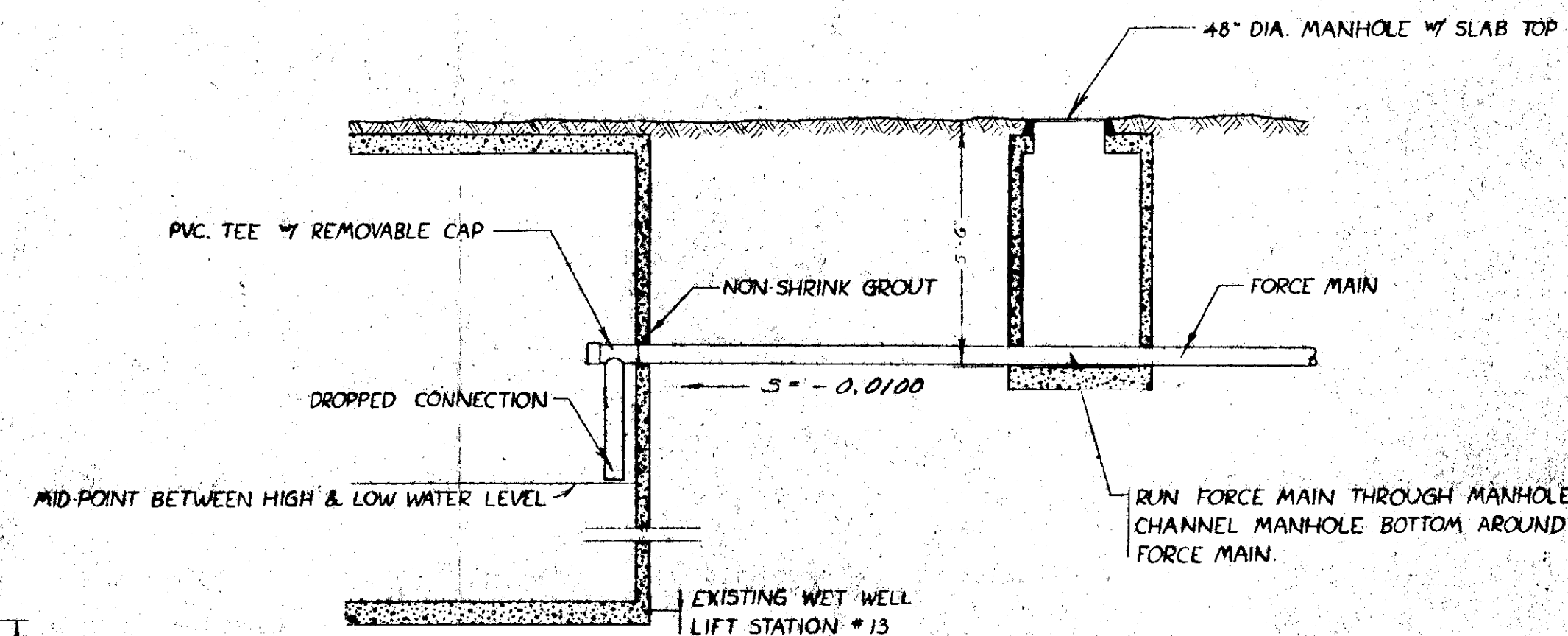


⑪ JACKED CASING DETAIL

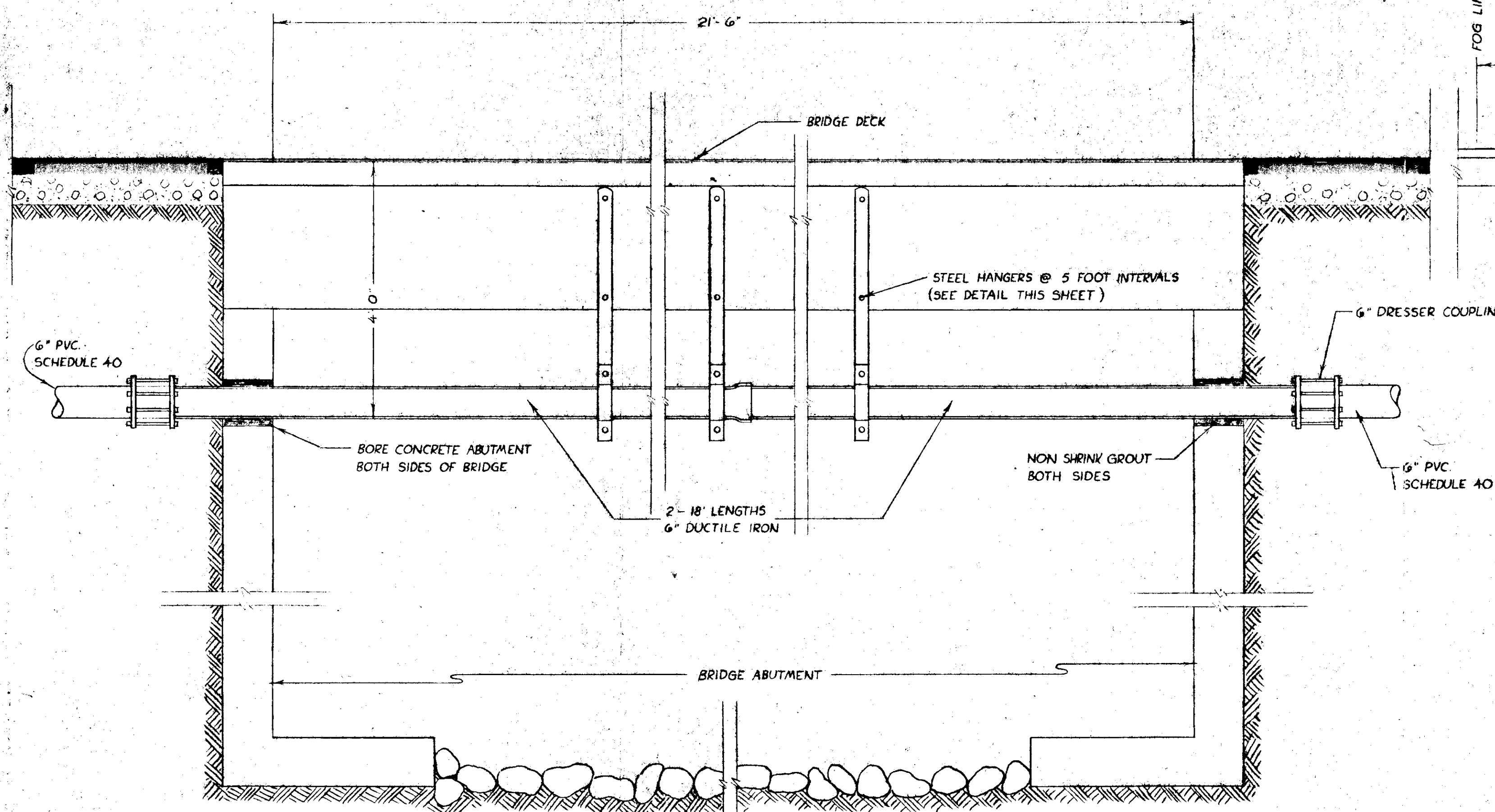
NOTE: CASING TO COMMENCE 6 FEET BEFORE TOE OF SHOULDER SLOPE AND END 6 FEET BEYOND TOE OF SHOULDER SLOPES OF OFF AND ON RAMPS RESPECTIVELY.



⑫ 1" AIR & VACUUM RELIEF ASSEMBLY

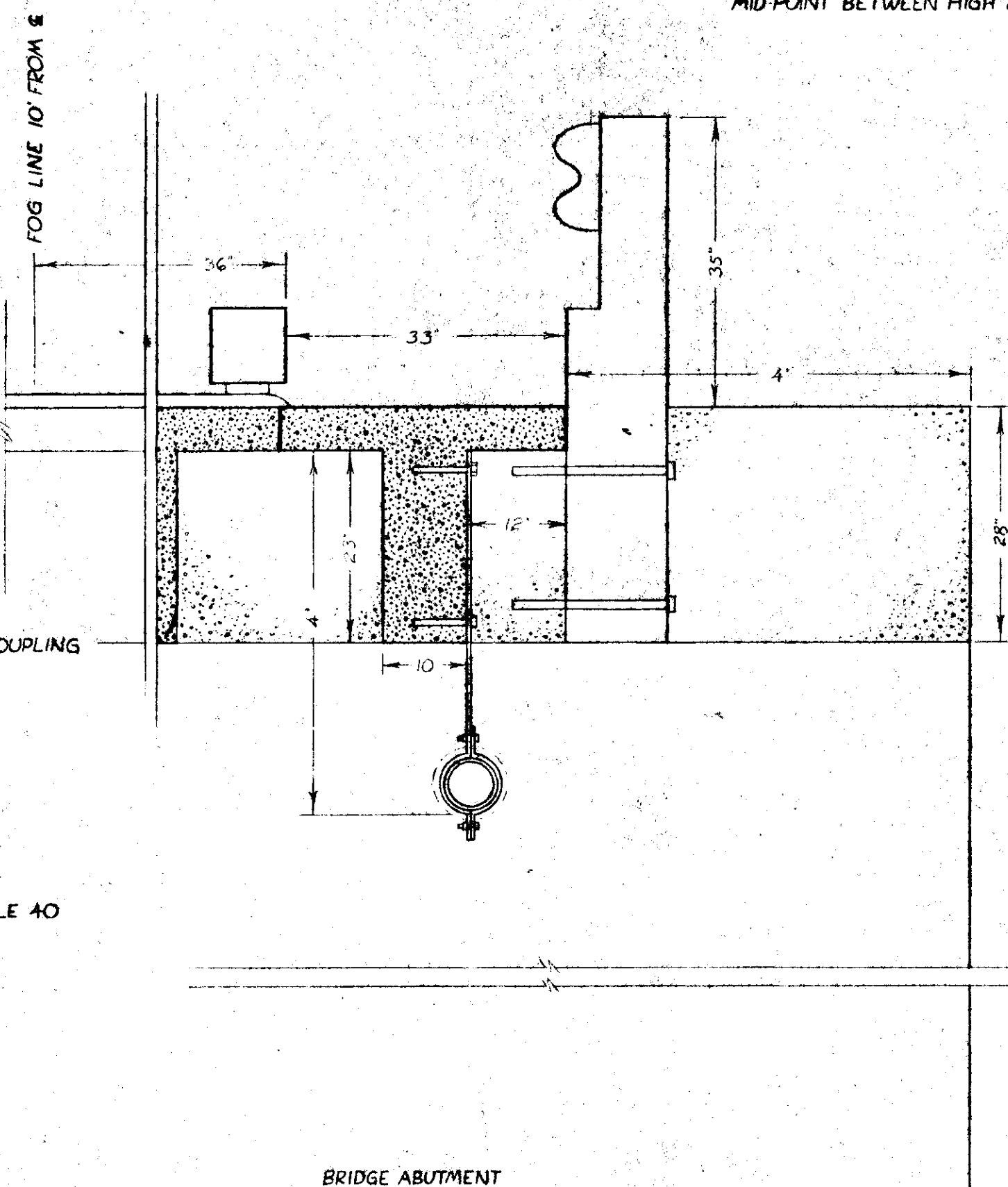


⑬ FORCE MAIN CONNECTION DETAIL

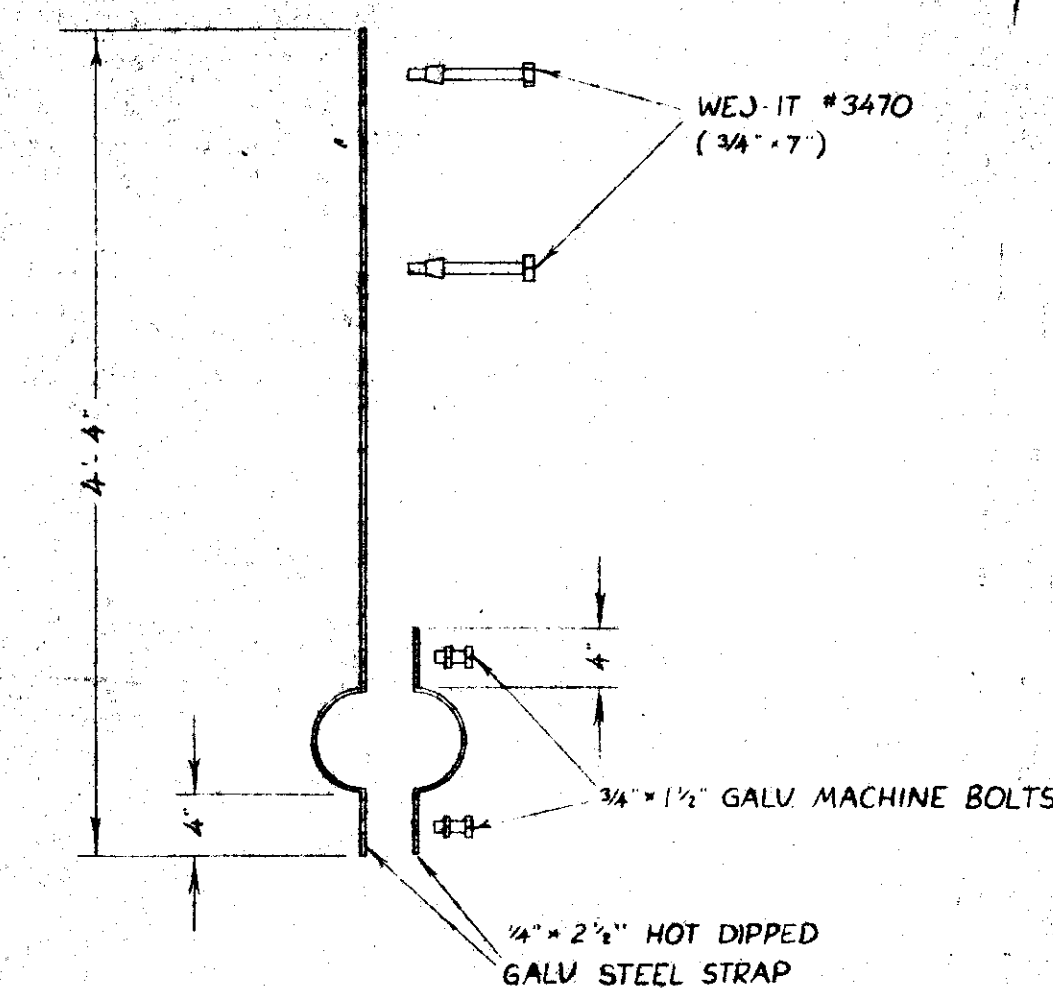


⑭ CREEK CROSSING DETAIL SIDE ELEVATION

ALTERNATE CREEK CROSSING: SUSPEND 10" STEEL CASING FROM BRIDGE, INSTEAD OF 6" DUCTILE IRON PIPE, AND RUN THE 6" SCHEDULE 40 PVC PIPE THROUGH IT.



⑮ CREEK CROSSING DETAIL END ELEVATION



⑯ BRIDGE HANGER DETAIL

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303 MADRONE LANE NORTH
BAINBRIDGE ISLAND, WASH. 98110
(206) 842-5518

CLIENT	SILVERDALE LAND ASSOCIATES		
PROJECT	LIFT STATION No 20 FAIRWAY LANE TO ELDORADO HILLS FORCE MAIN		
DRAWN BY	BAM	SCALE	AS NOTED
APPROVED	DATE 7/80	BOOK	JOB 79149
			SHEET 31

6.041