

KENNEBEC WATER DISTRICT
SUPPLYING
WATERVILLE, FAIRFIELD, BENTON, WINSLOW AND VASSALBORO
WATERVILLE, MAINE

HI-SERVICE PUMPING STATION, WATER MAINS AND STANDPIPE FOUNDATION

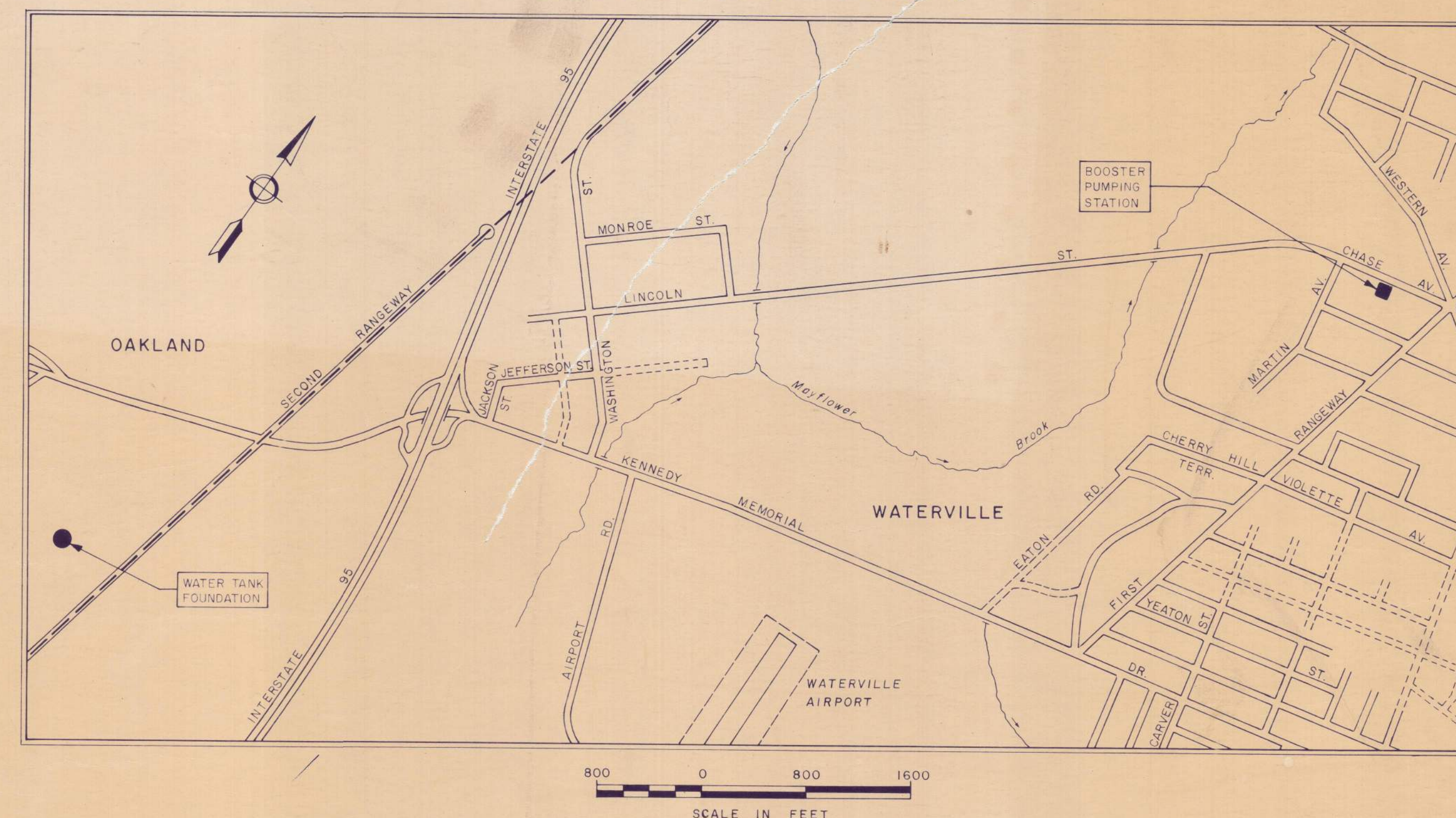
CONTRACT NO. 1

BOARD OF TRUSTEES

RONALD M. ROY
GERALD J. BOUDREAU
VINCENT C. PETERS
DR. EDWIN F. SAVAGE
RAOUL H. VIOLETTE

SUPERINTENDENT-ENGINEER

SHERMAN K. SMITH



LOCATION PLAN

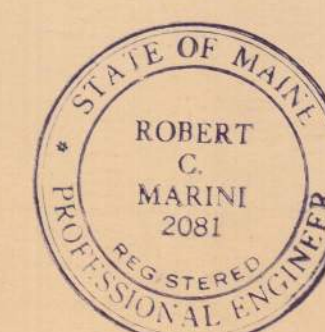
LIST OF DRAWINGS

SHEET NO.

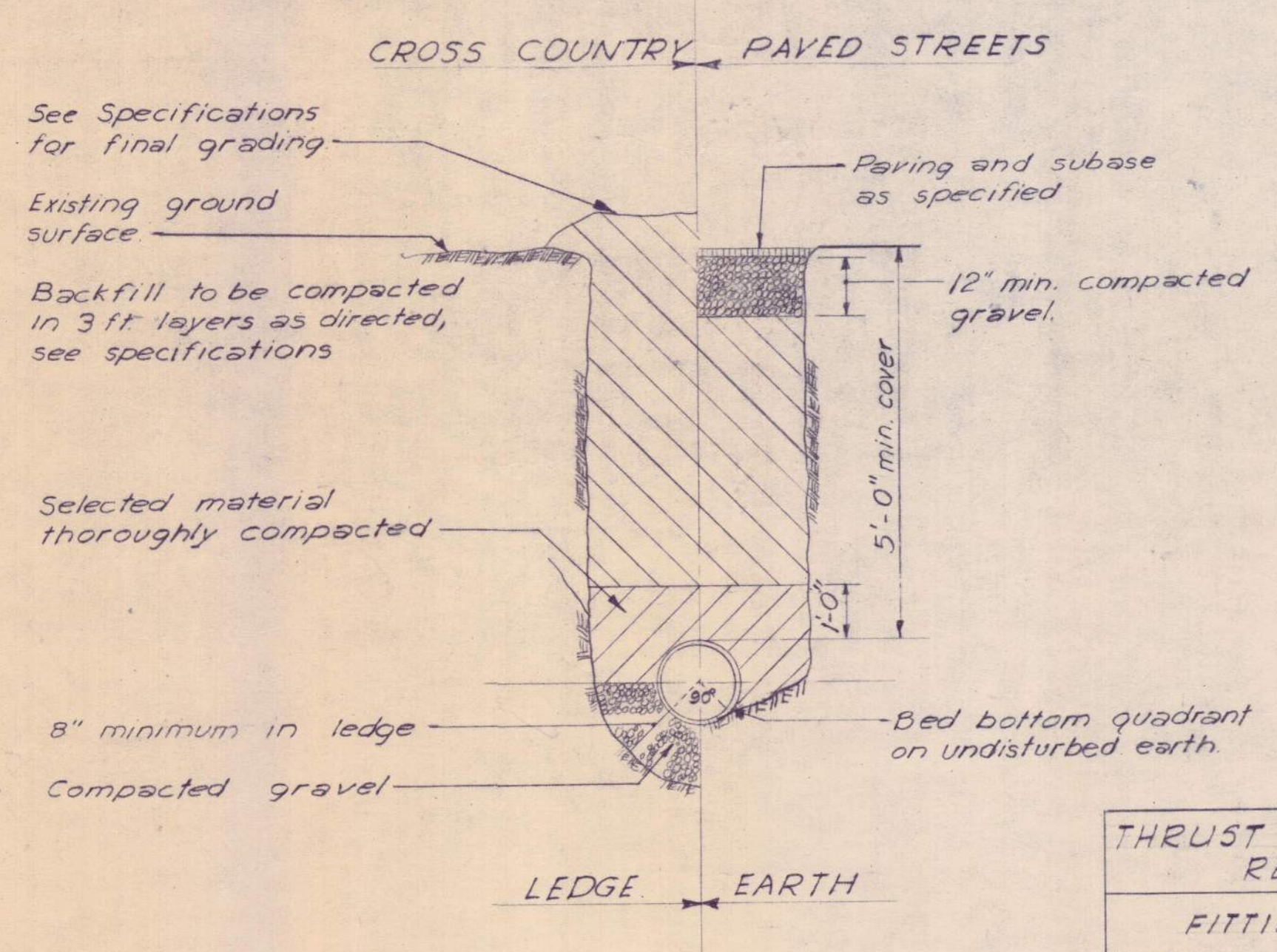
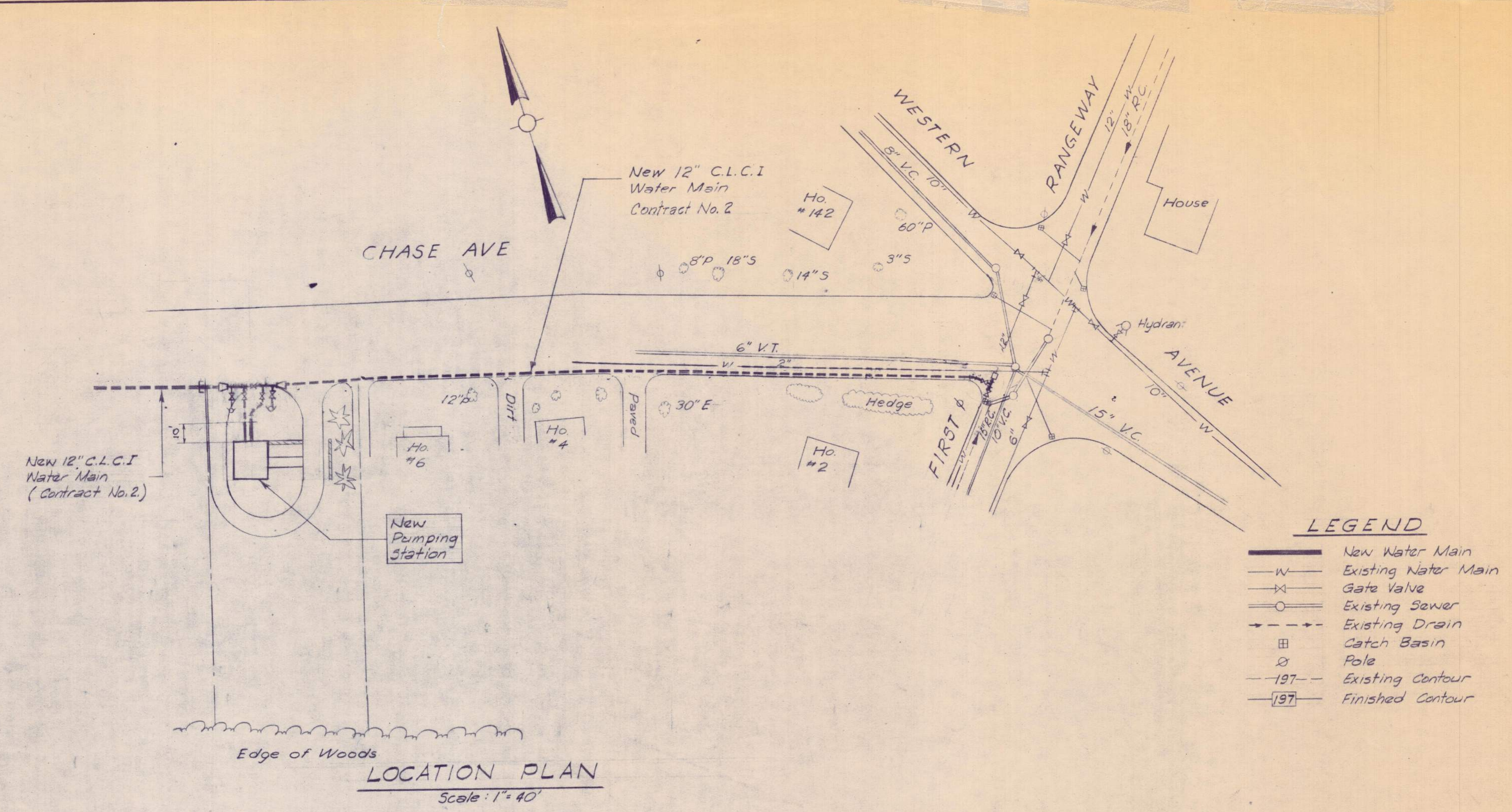
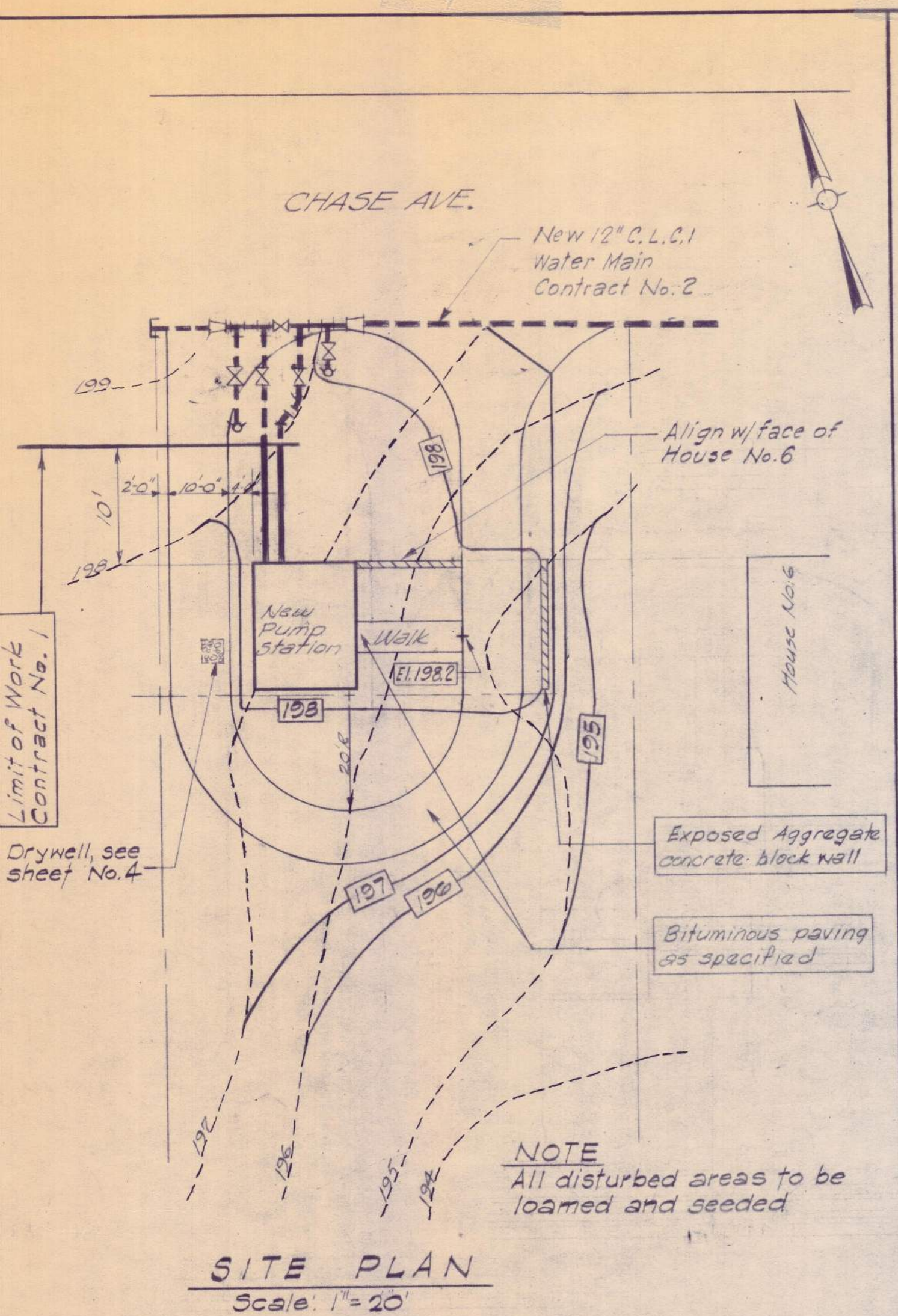
TITLE

- | | |
|---|------------------------------|
| 1 | SITE PLAN AND PIPING DETAILS |
| 2 | ARCHITECTURAL I |
| 3 | ARCHITECTURAL II |
| 4 | MECHANICAL AND STRUCTURAL |
| 5 | ELECTRICAL |
| 6 | CIVIL AND STRUCTURAL DETAILS |

AUGUST, 1973
(REVISED MARCH 1974)

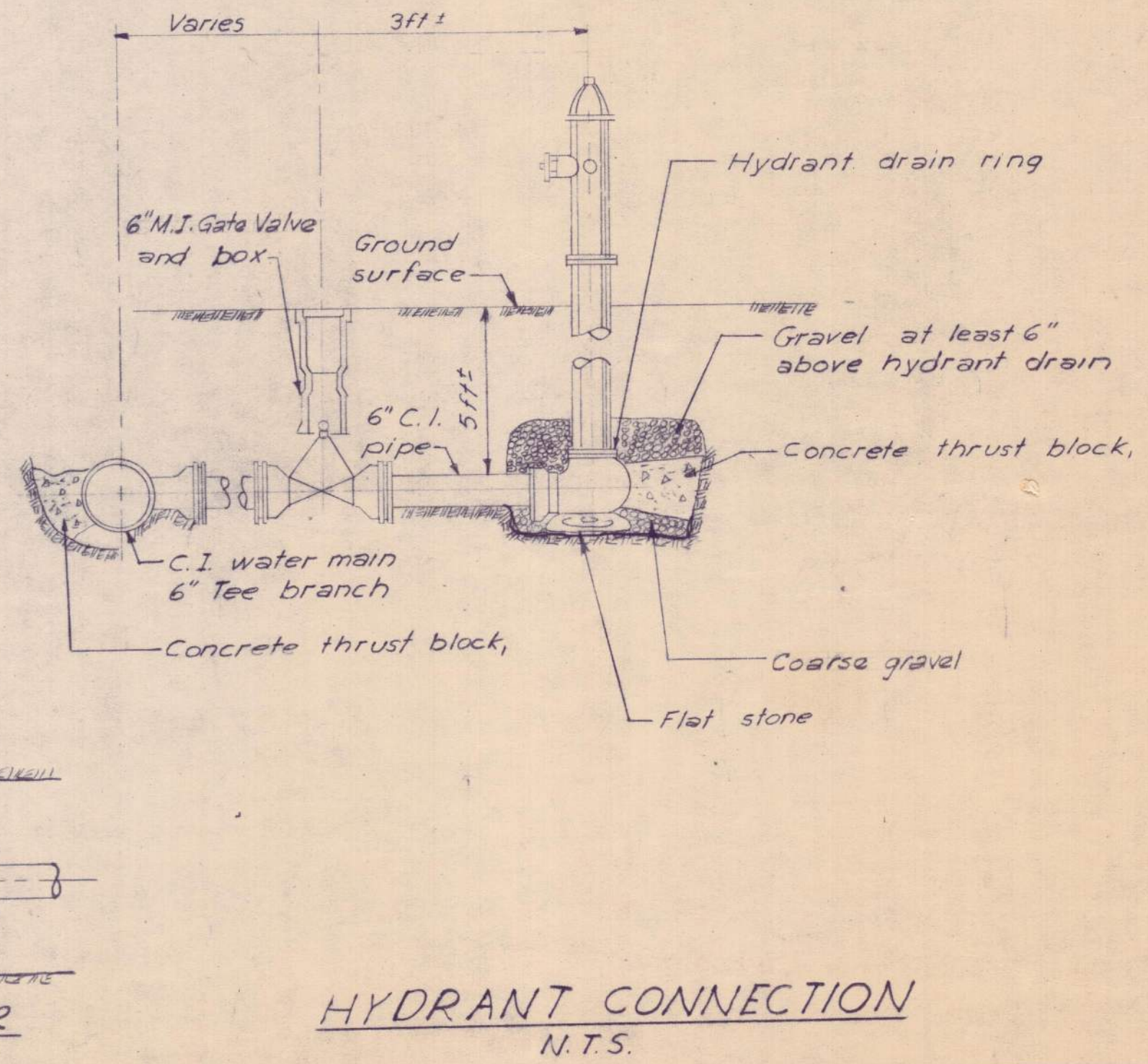
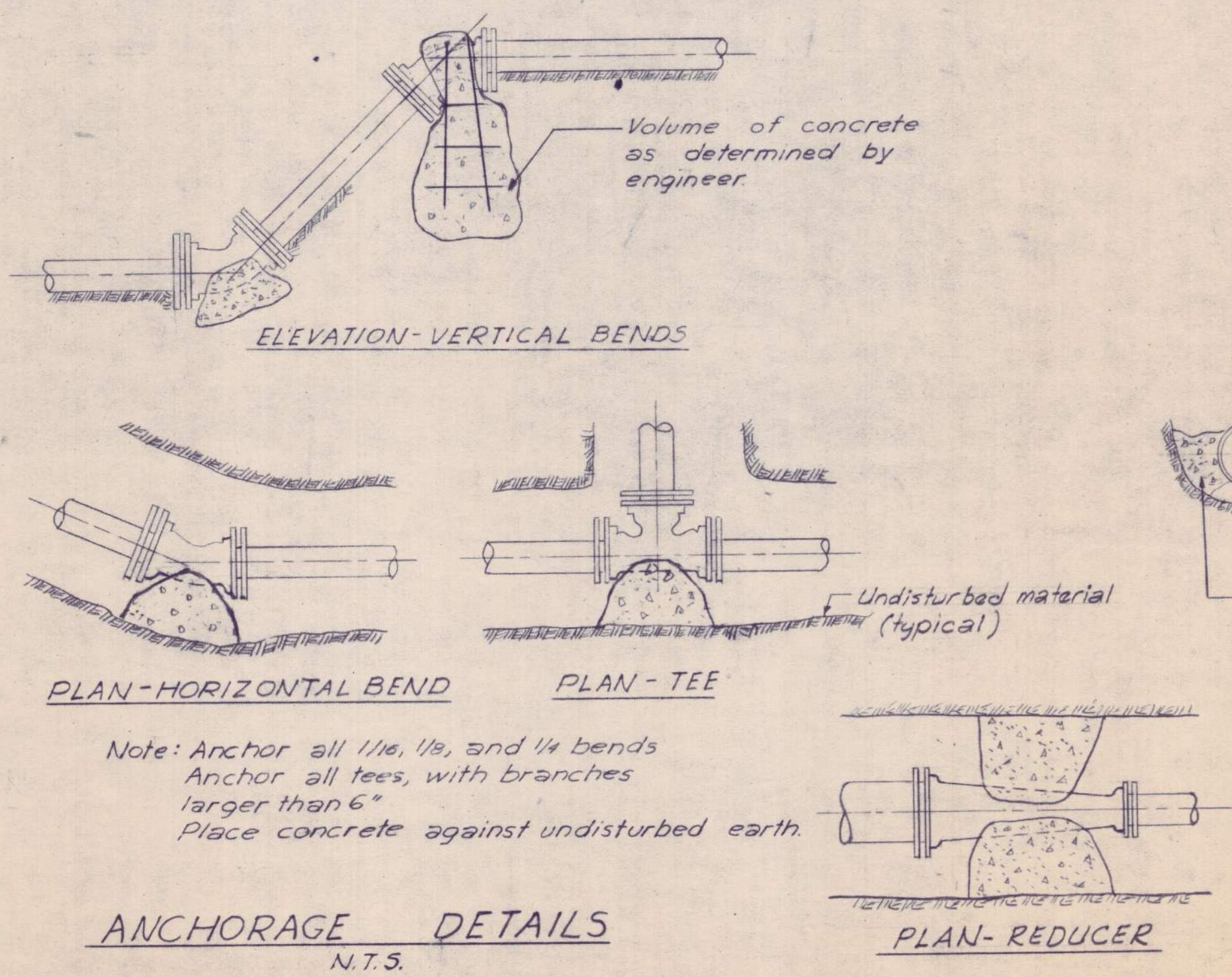


CAMP DRESSER & McKEE Inc. • CONSULTING ENGINEERS • BOSTON, MASSACHUSETTS



THRUST BLOCK BEARING REQUIREMENTS

FITTING	MIN. BEARING AREA (SQ. FT.)
12" x 12" TEE	12
12" x 1/4" BEND	6
12" PLUG	12
12" x 8" REDUCER	8
8" x 8" TEE	8
8" x 1/4" BEND	8
8" PLUG	8
HYDRANT	10



Approved by:	Date	Name
Structural		
Electrical		
HVAC		
Project Engineer	4/17/93	R. P. [Signature]
Project Manager		



Date	Ch'k'd.	Revision
Designed by: REP		
Drawn by: L.J.R.		
Checked by: REP		
Approved by: BCM		
Date: Aug. 1993		
Scale: As noted		

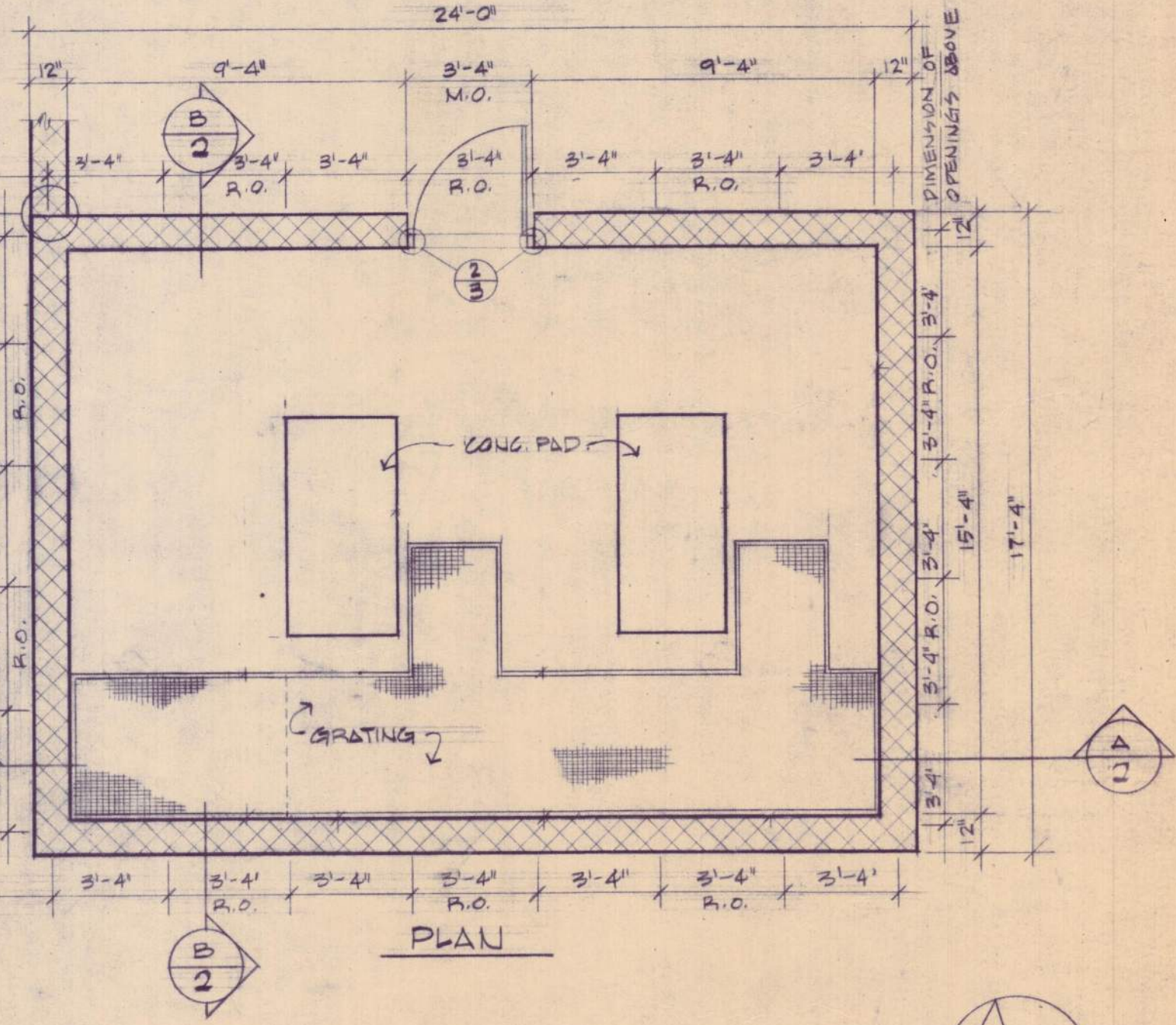
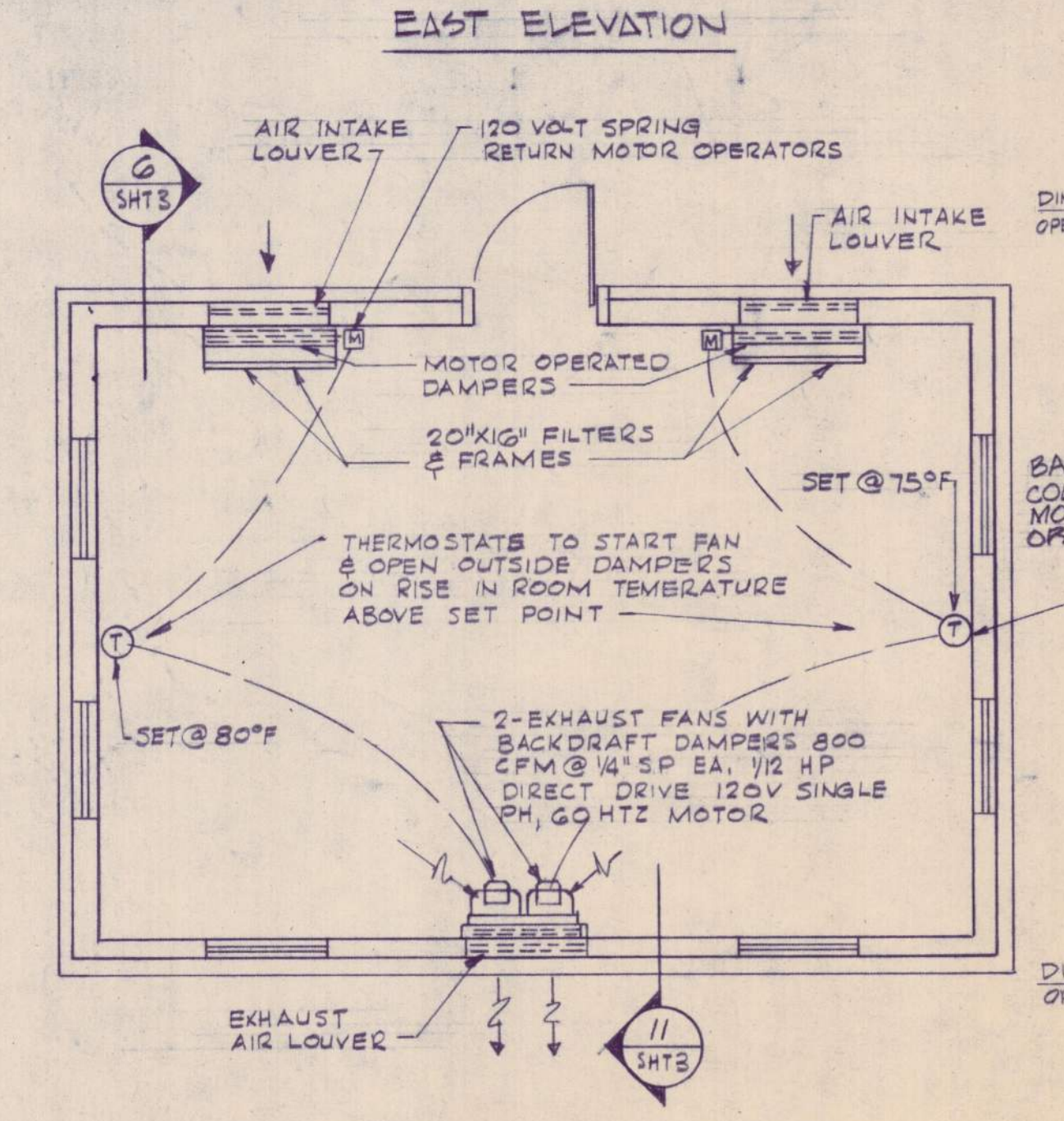
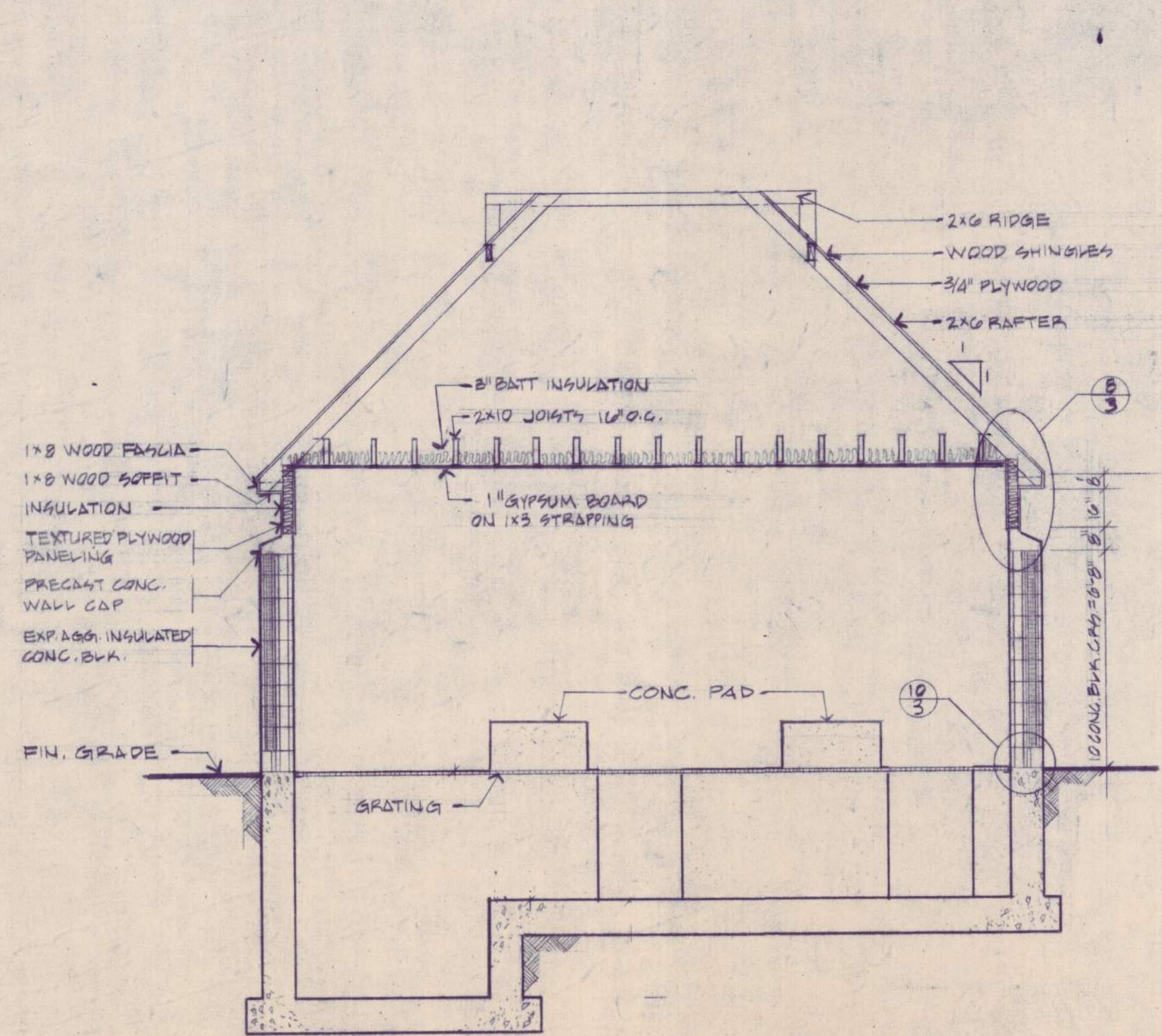
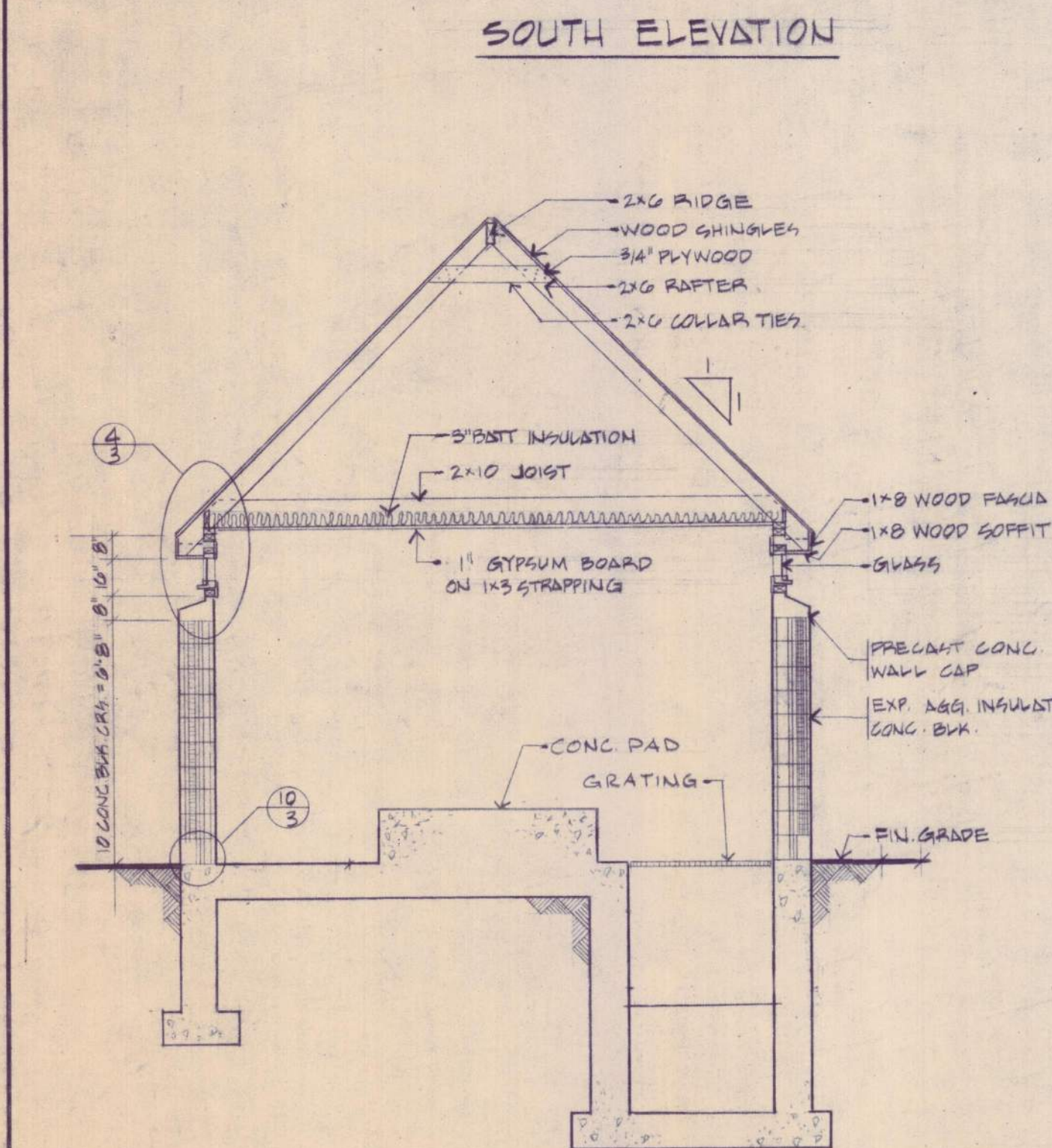
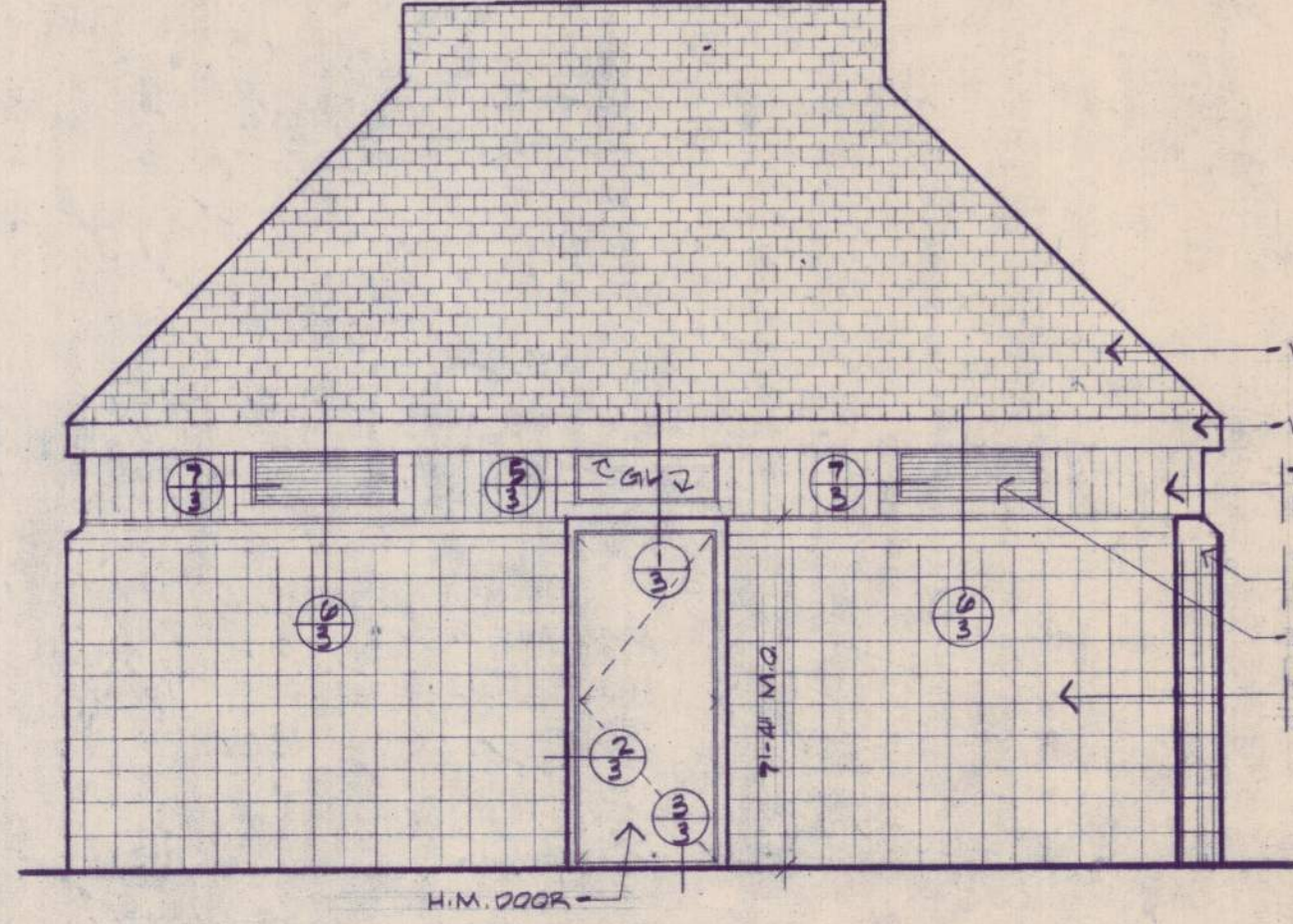
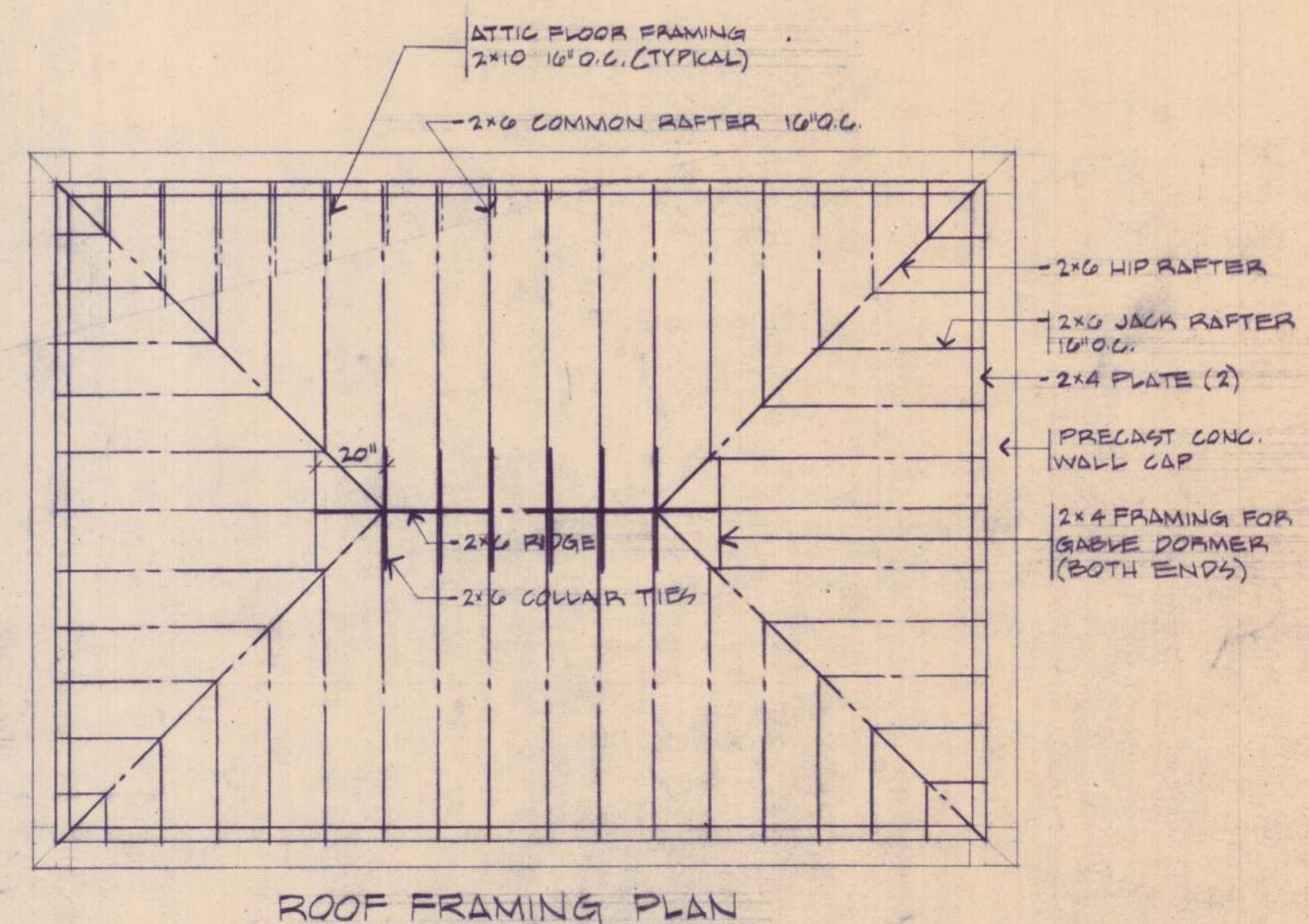
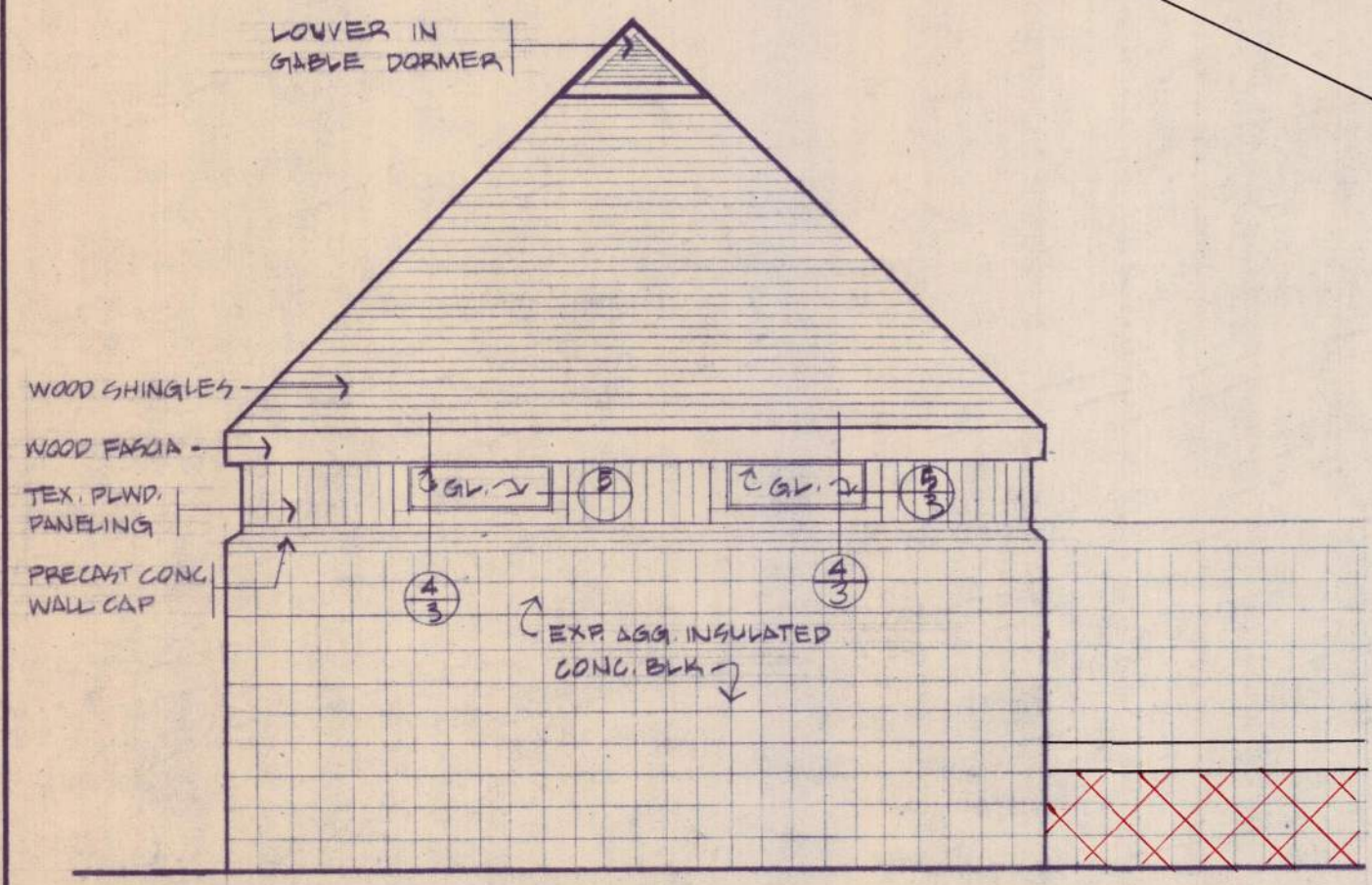
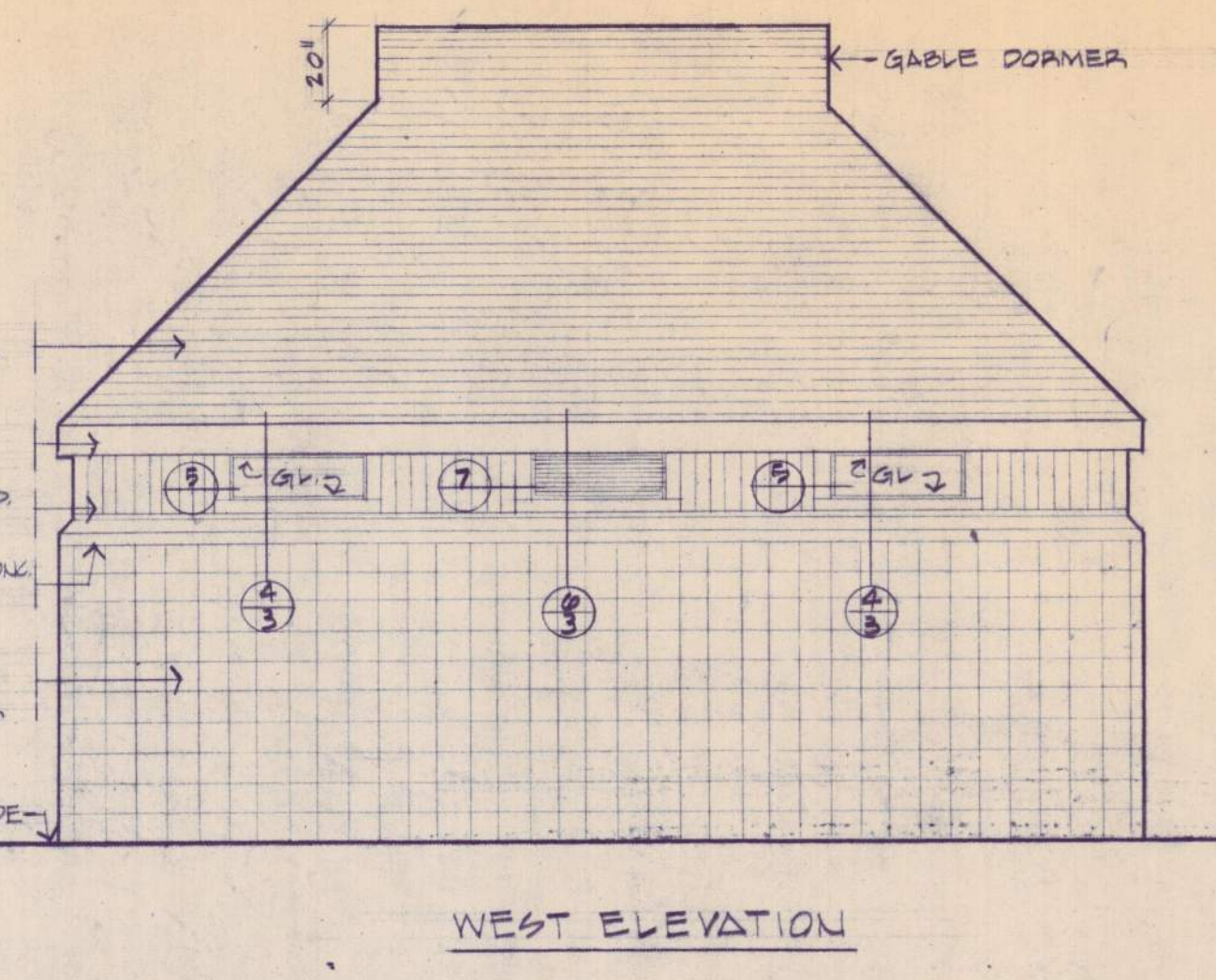
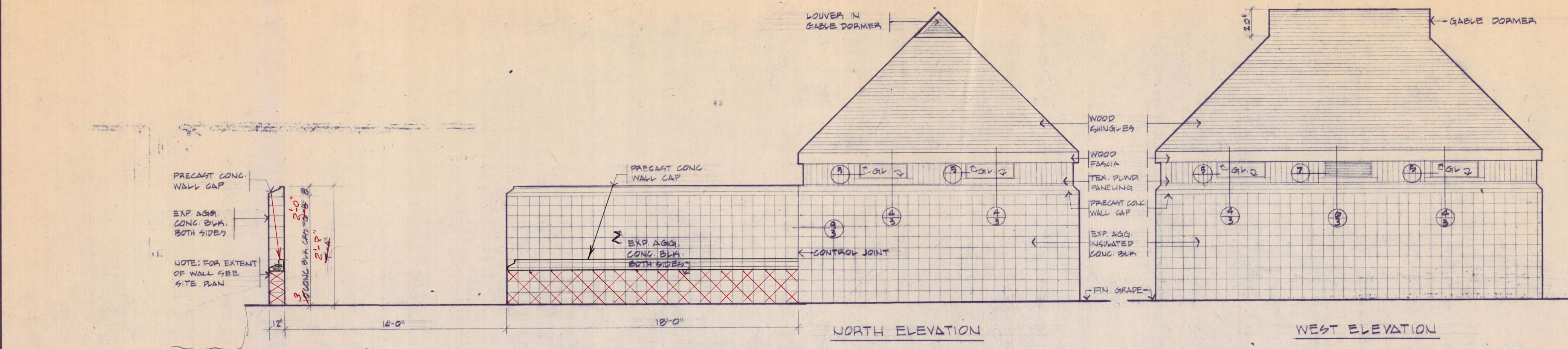
KENNEBEC WATER DISTRICT
WATERVILLE, MAINE
WATER WORKS IMPROVEMENTS
BOOSTER PUMPING STATION

SITE PLAN AND PIPING DETAILS

CAMP DRESSER & McKEE Inc.
Consulting Engineers
Boston, Mass.

SHEET NO. 1
453-20011

LEGEND			
SYMBOLS		ABBREVIATIONS	
	CONC - CONCRETE	M.O.	MASONRY OPENING
	CONC BLK - CONCRETE BLOCK	O.C.	ON CENTER
	RIGID INSULATION	H.M.	HOLLOW METAL
	BATT INSULATION	GL.	GLASS
	MORTAR	P.W.D.	PLYWOOD
	LUMBER	TEX.	TEXTURED
	FINISHED WOOD	CAS.	COURSES
	GRATING	TYP.	TYPICAL
	FINISHED GRADE	EXP.	EXPOSED
	SHIM	AGG.	AGGREGATE
		FIN. GR.	FINISHED GRADE
		GYP. BD.	GYP. BOARD
		R.O.	ROUGH OPENING
		EXT.	EXTERIOR



SECTION B-B

Approved by:	Date	Name
Structural		
Electrical		
HVAC		
ARCHITECTURE	7/73	G. DUNBAR
Project Engineer	4/74	P. [Signature]
Project Manager		

SECTION A-A

Approved by:	Date	Name
Structural		
Electrical		
HVAC		
ARCHITECTURE	7/73	G. DUNBAR
Project Engineer	4/74	P. [Signature]
Project Manager		

VENTILATING PLAN
1/4" = 1'-0"

PLAN

Date	Ch'k'd.	Revision
Designed by: GAD		
Drawn by: R.D.		
Checked by: T.E.G.		
Approved by: RCM		

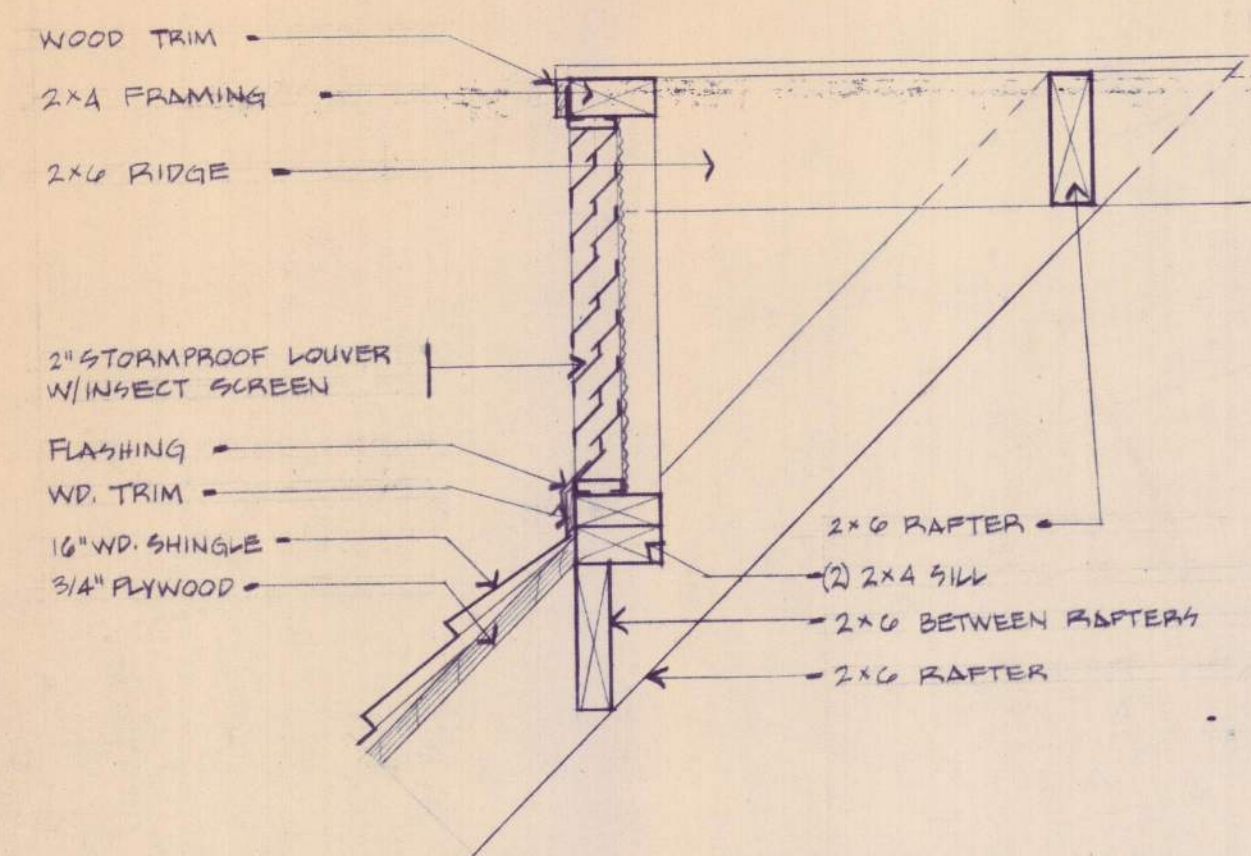
Date: AUGUST, 1973
Scale: 1/4" = 1'-0"

KENNEBEC WATER DISTRICT
WATERVILLE, MAINE
WATER WORKS IMPROVEMENTS
BOOSTER PUMPING STATION

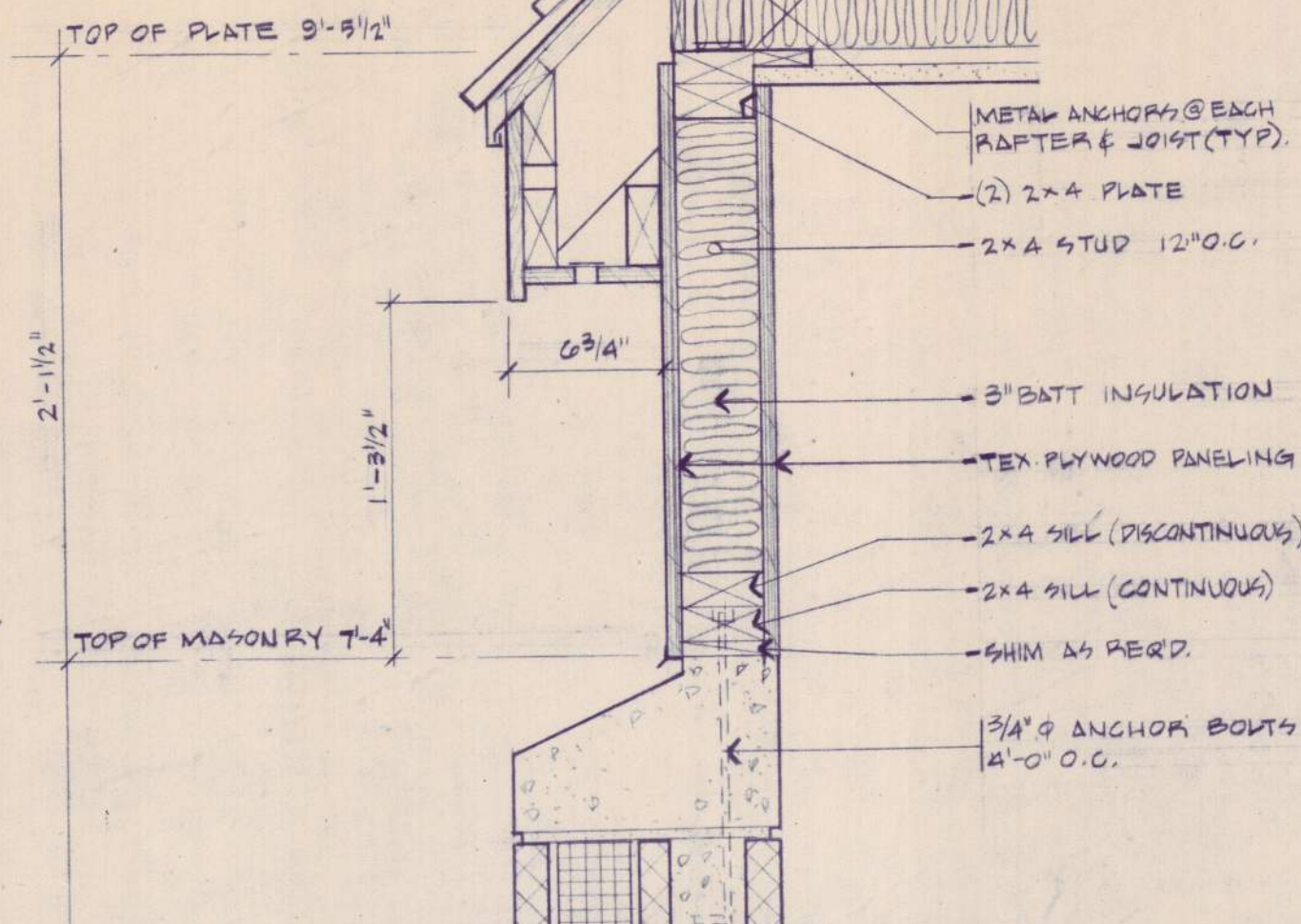
ARCHITECTURAL I

CAMP DRESSER & McKEE Inc.
Consulting Engineers
Boston, Mass.

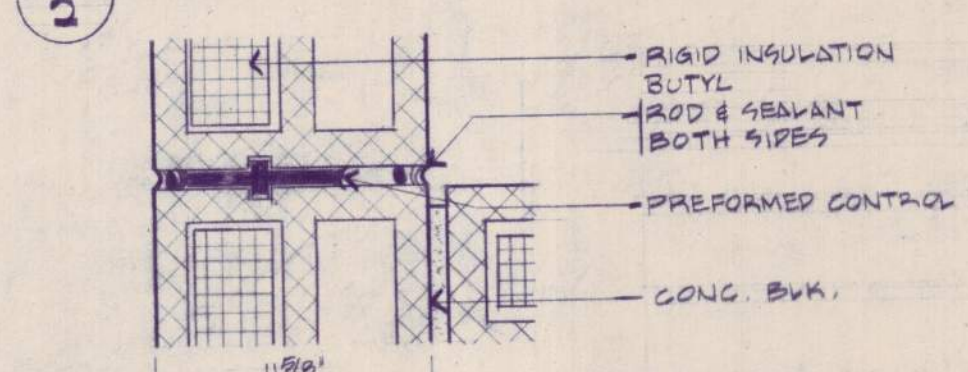
SHEET NO.
2
453-20012



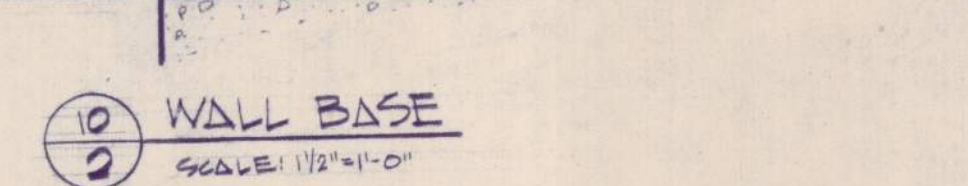
LOUVER @ GABLE DORMER
SCALE: 1 1/2" = 1'-0"



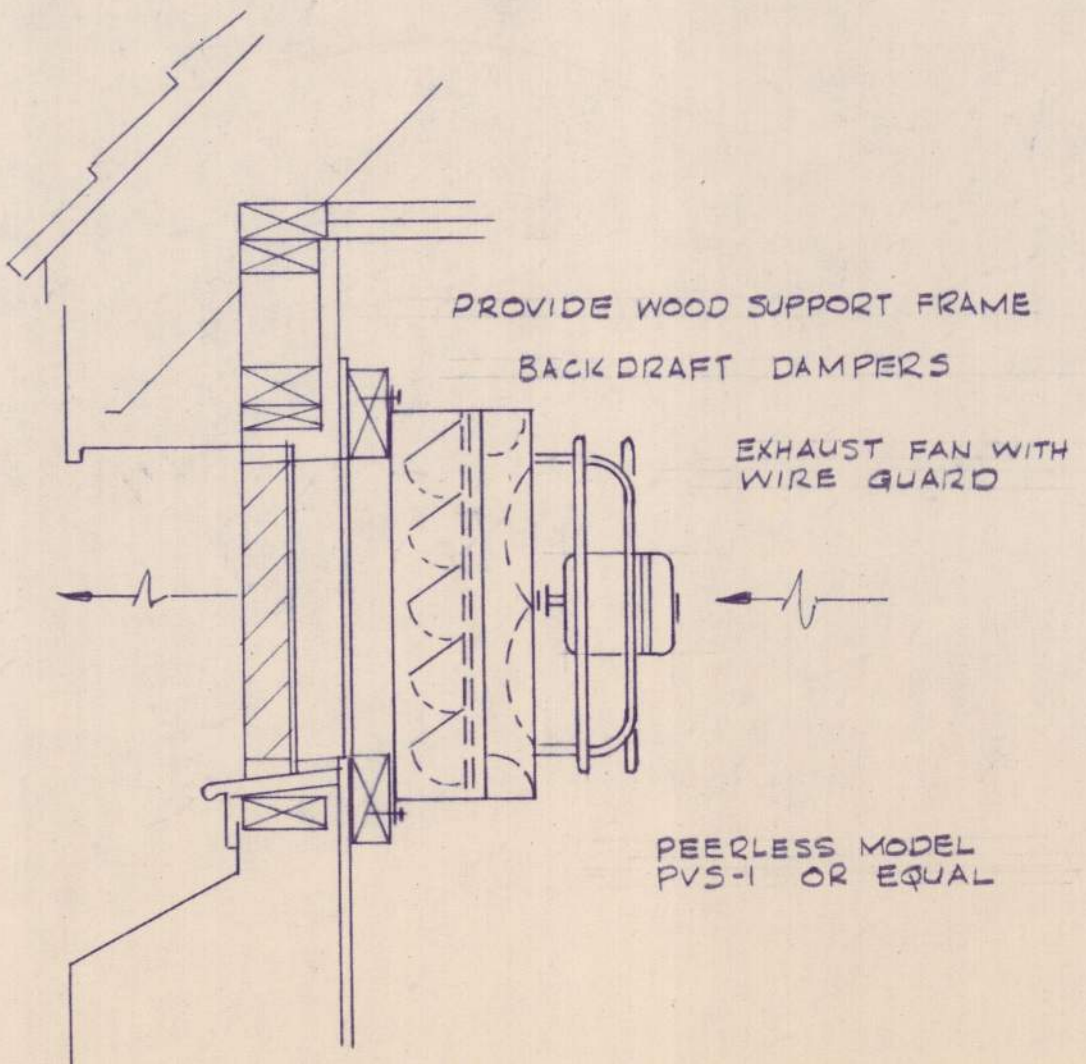
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2 TYPICAL WALL SECTION
SCALE: 1 1/2" = 1'-0"



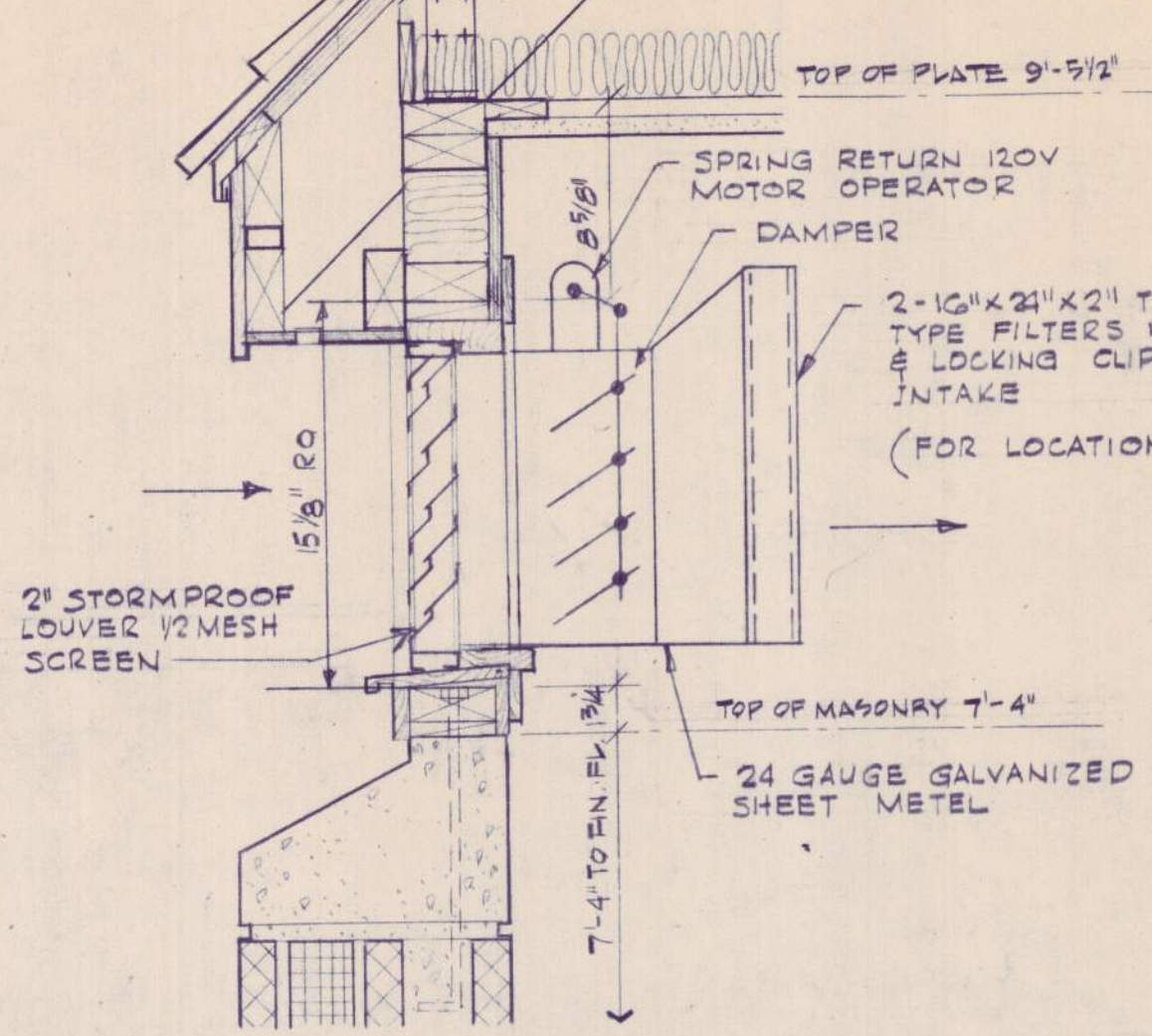
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2 CONTROL JT.
SCALE: 1 1/2" = 1'-0"



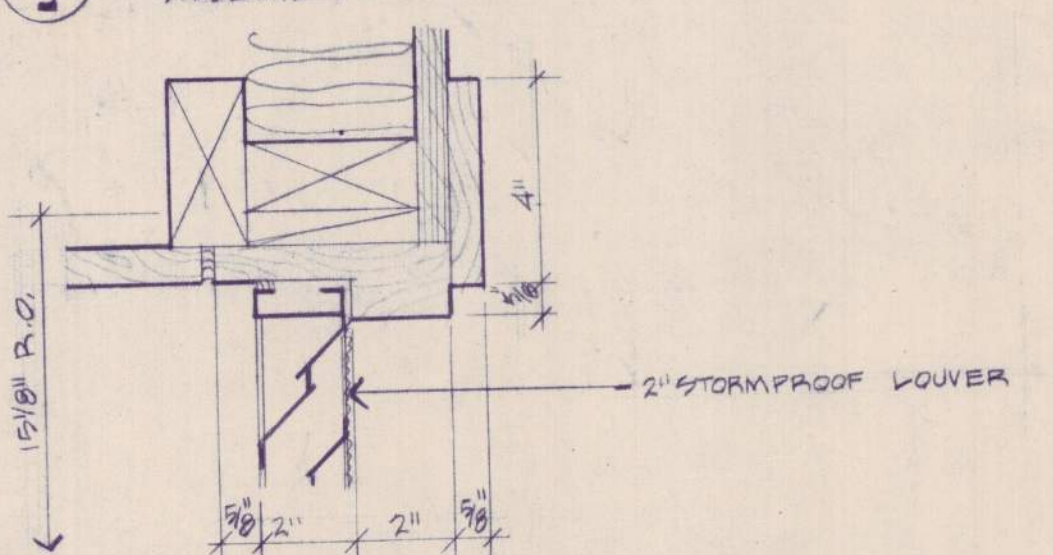
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2 WALL BASE
SCALE: 1 1/2" = 1'-0"



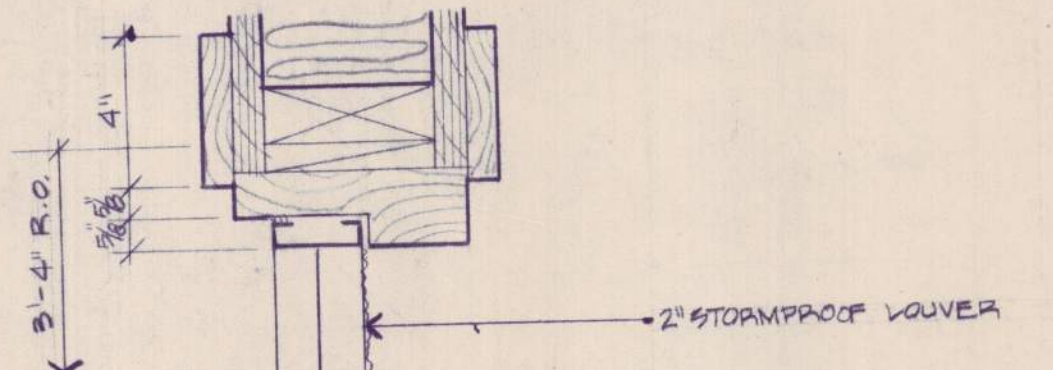
EXHAUST FAN SECTION
1 1/2" = 1'-0" 11
SHT 2



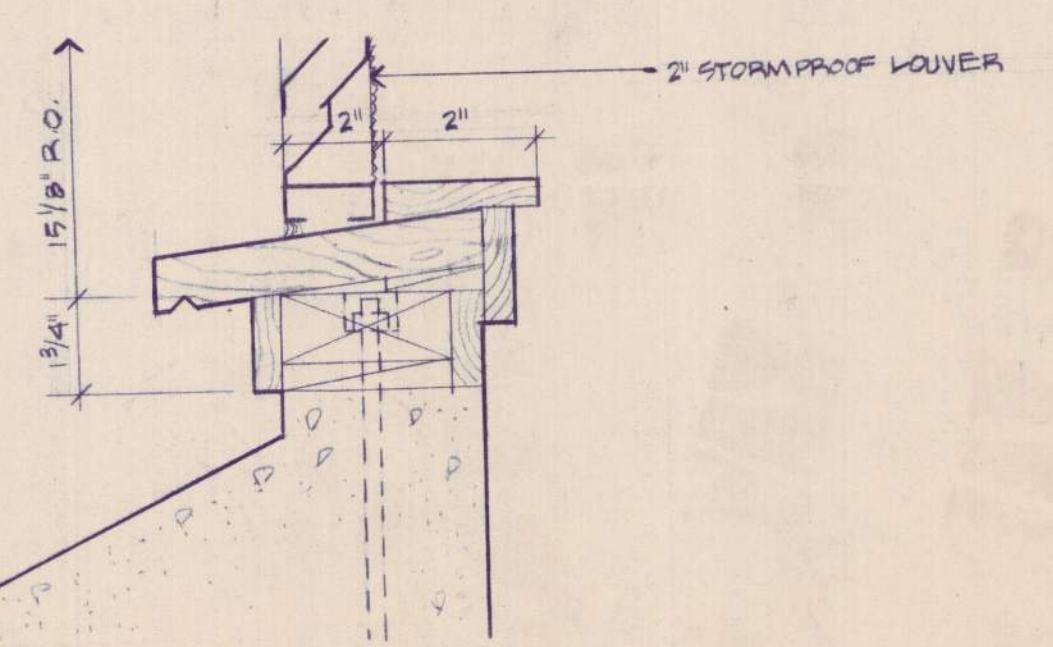
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2 WALL SECTION @ LOUVER
SCALE: 1 1/2" = 1'-0"



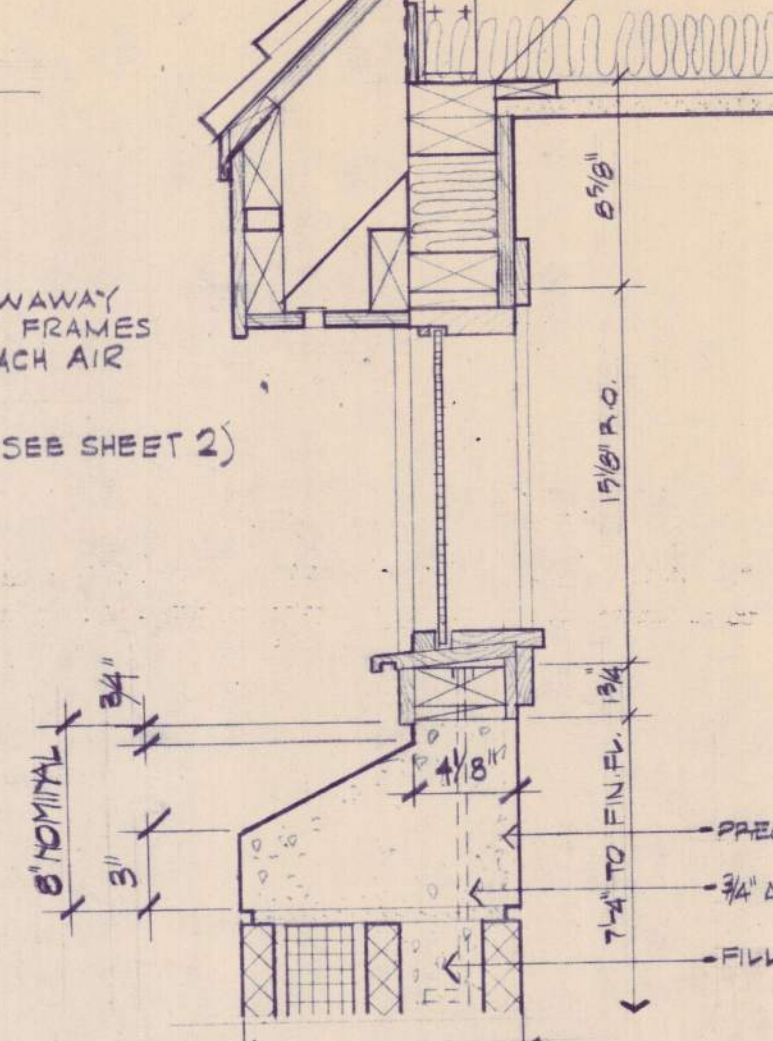
LOUVER HEAD



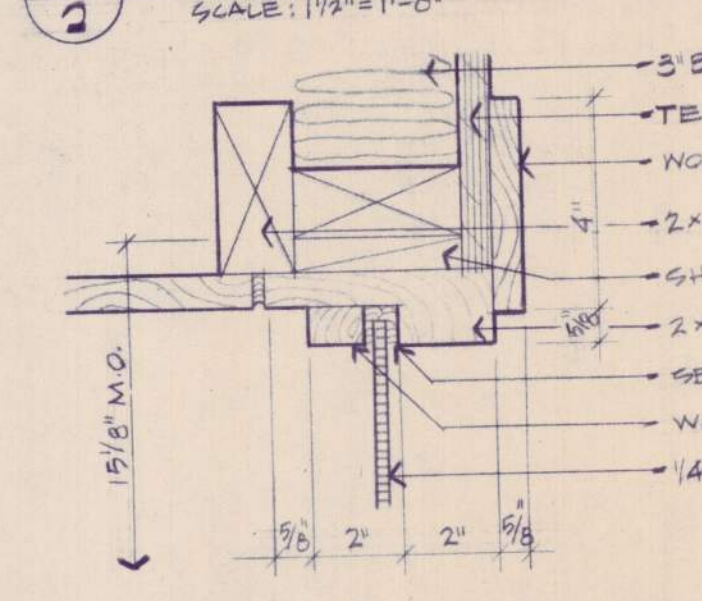
LOUVER JAMB



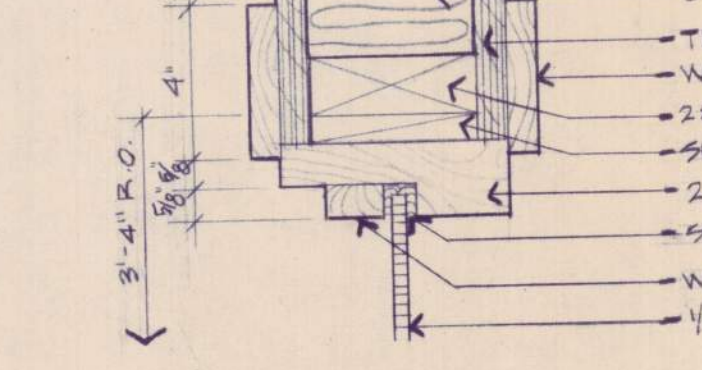
LOUVER SILL
SCALE: 1 1/2" = 1'-0"



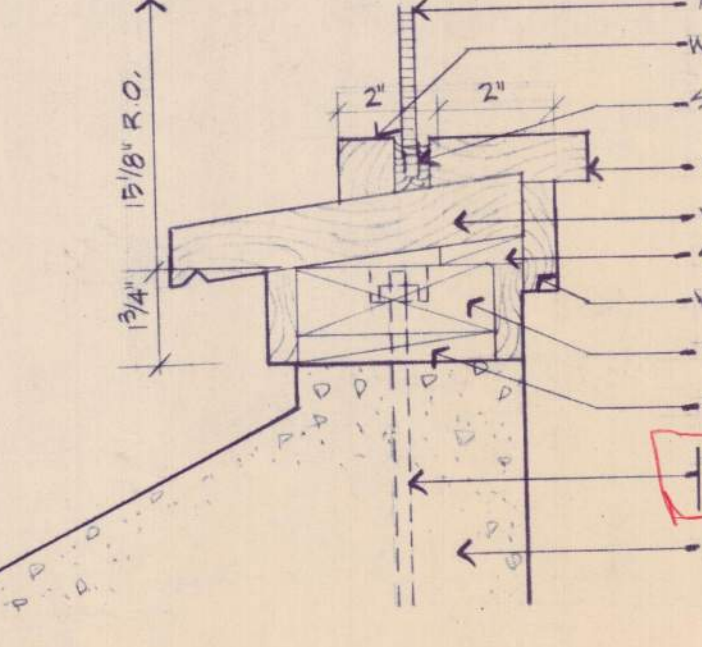
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2 WALL SECTION @ WINDOW
SCALE: 1 1/2" = 1'-0"



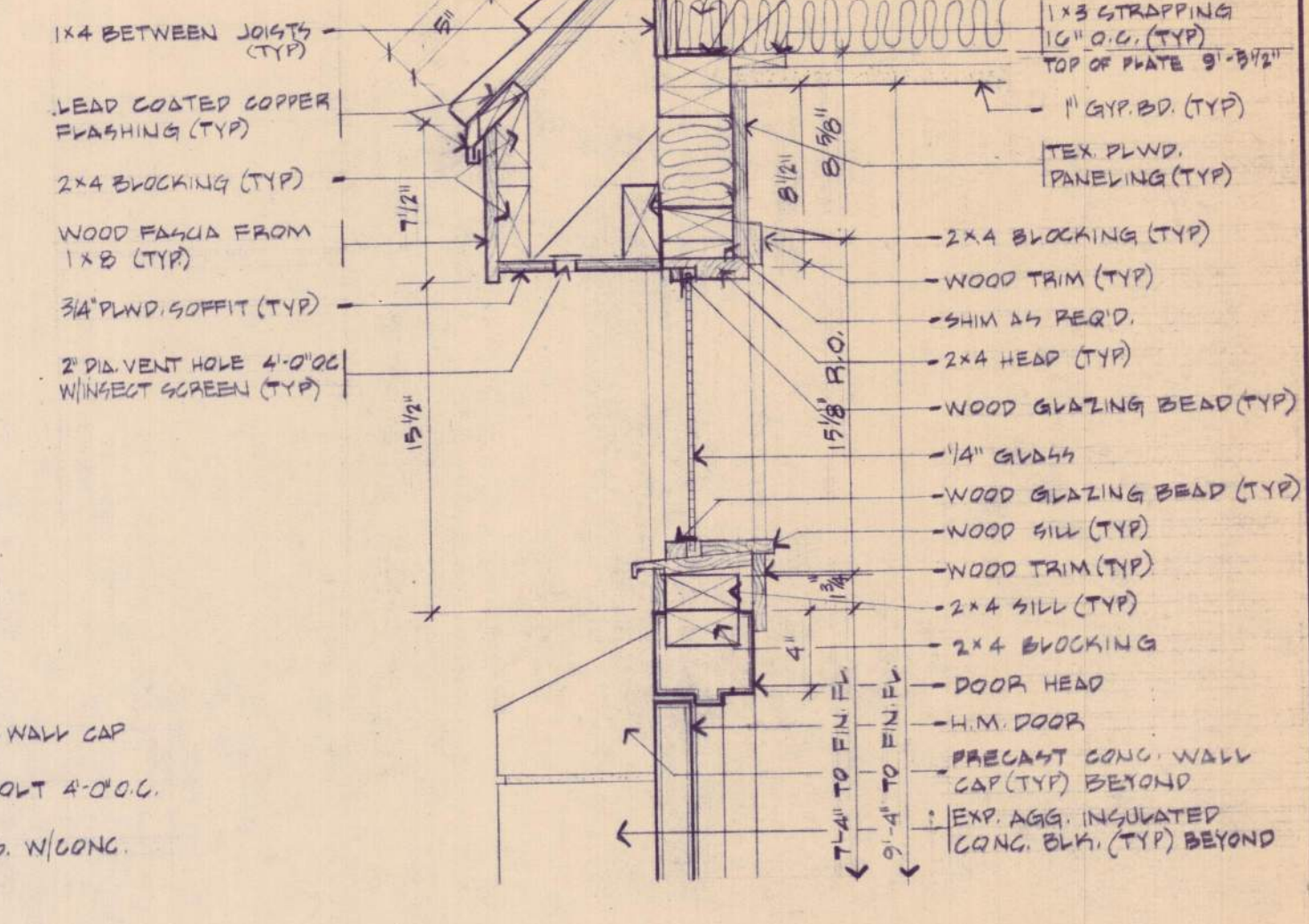
WINDOW HEAD



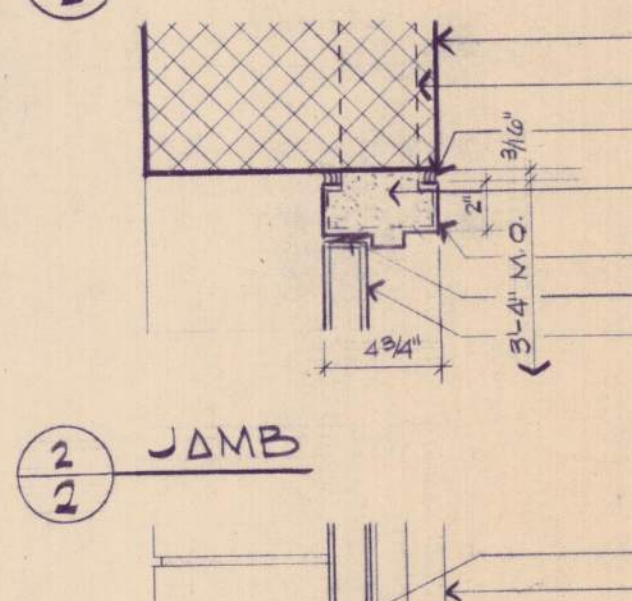
WINDOW JAMB



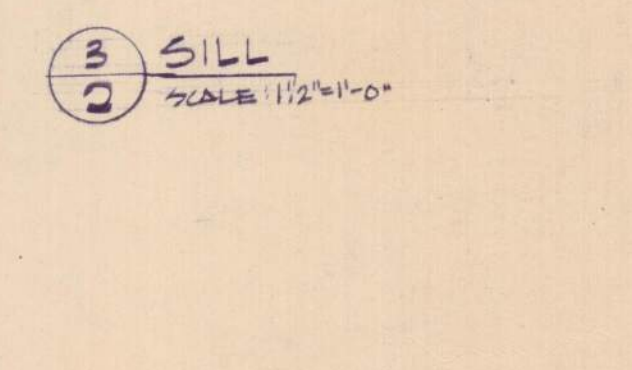
WINDOW SILL
SCALE: 1 1/2" = 1'-0"



1
2 WALL SECTION @ DOOR
SCALE: 1 1/2" = 1'-0"



JAMB



SILL
SCALE: 1 1/2" = 1'-0"

Building Cap Only.

Approved by:	Date	Name
Structural		
Electrical		
HVAC		
ARCHITECTURE	7/13	G. DUNBAR
Project Engineer	4/1	R. Decker
Project Manager		

ANDREW T. JOHNSON CO., INC. 324



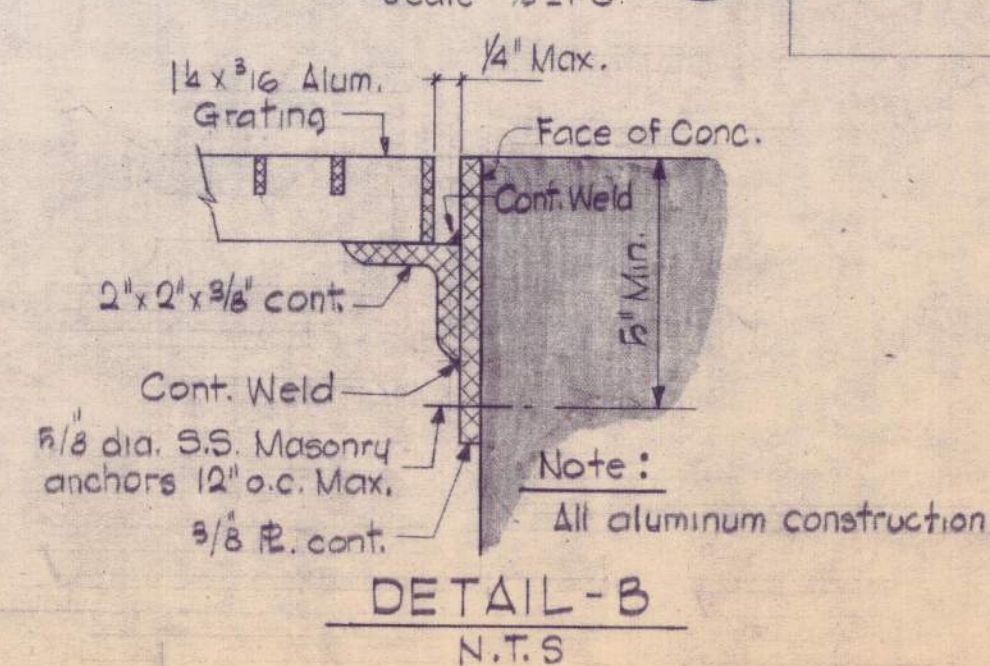
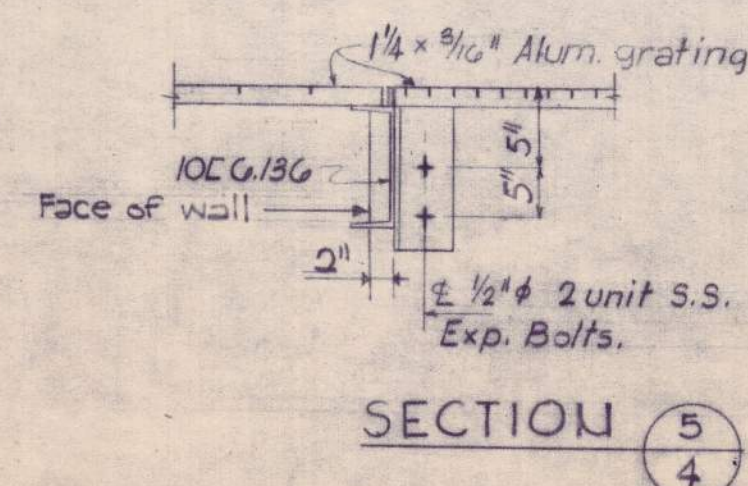
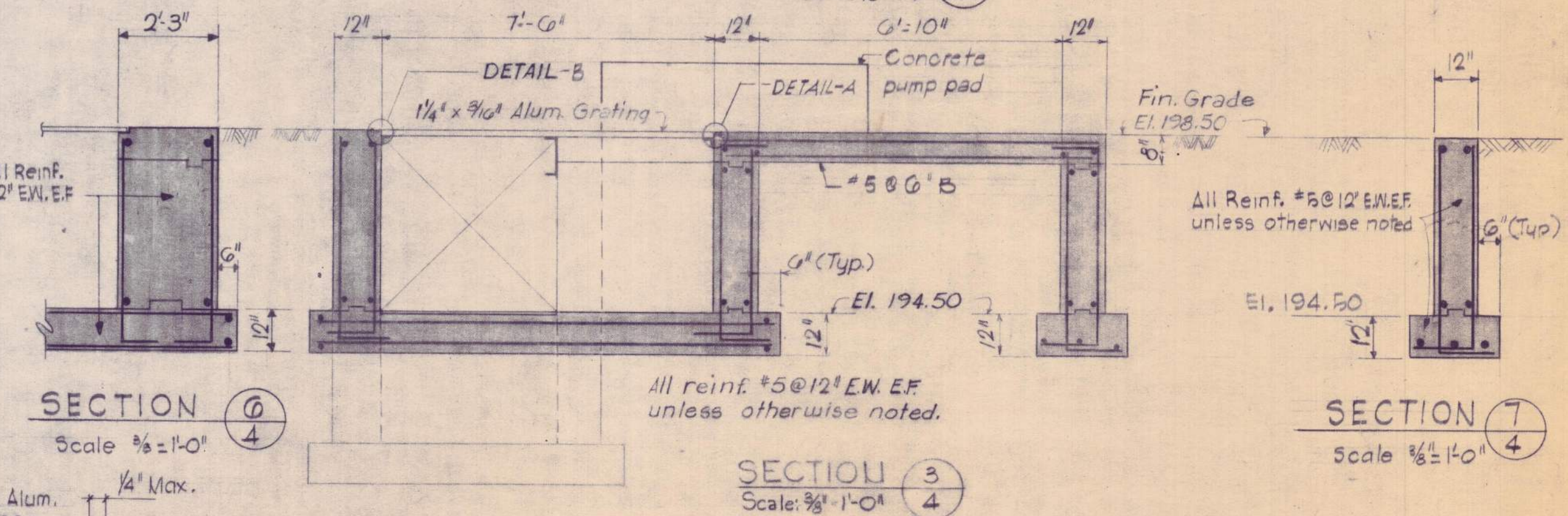
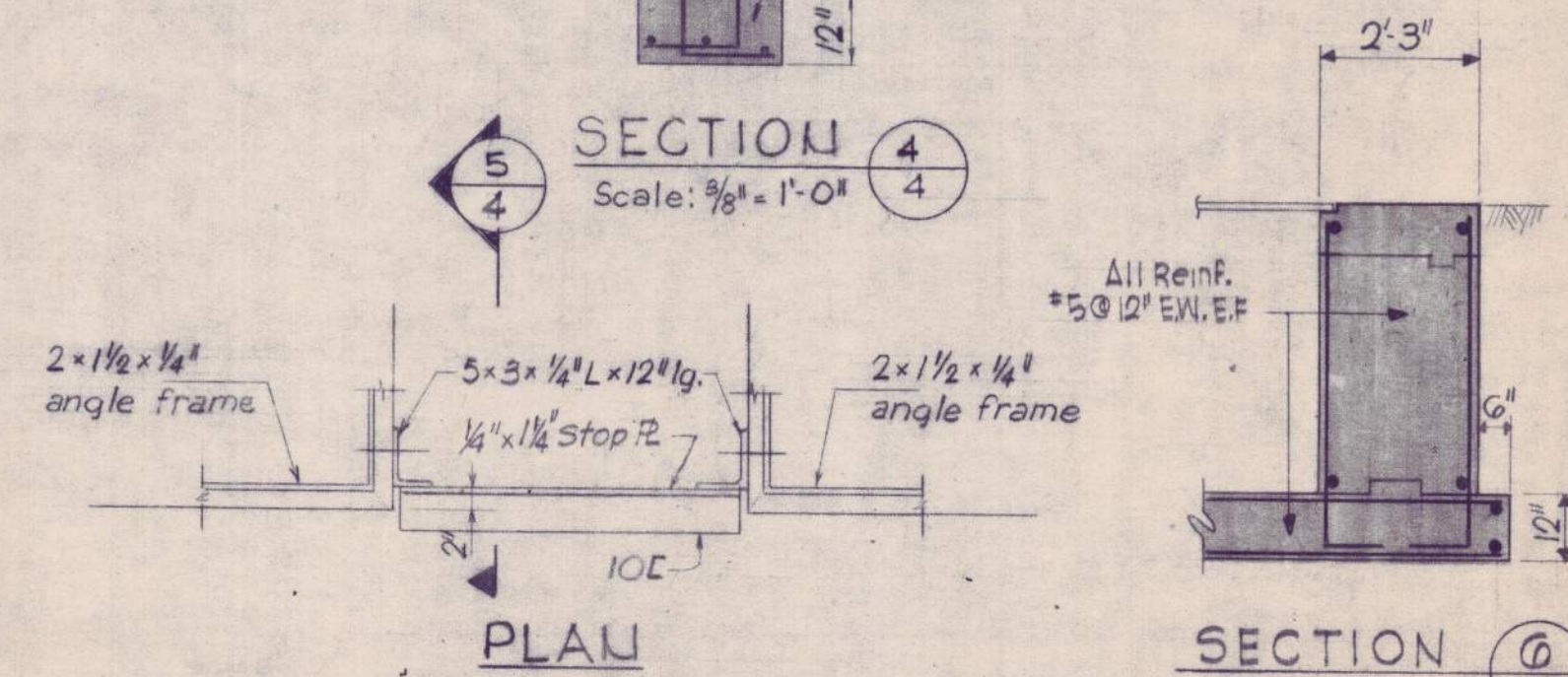
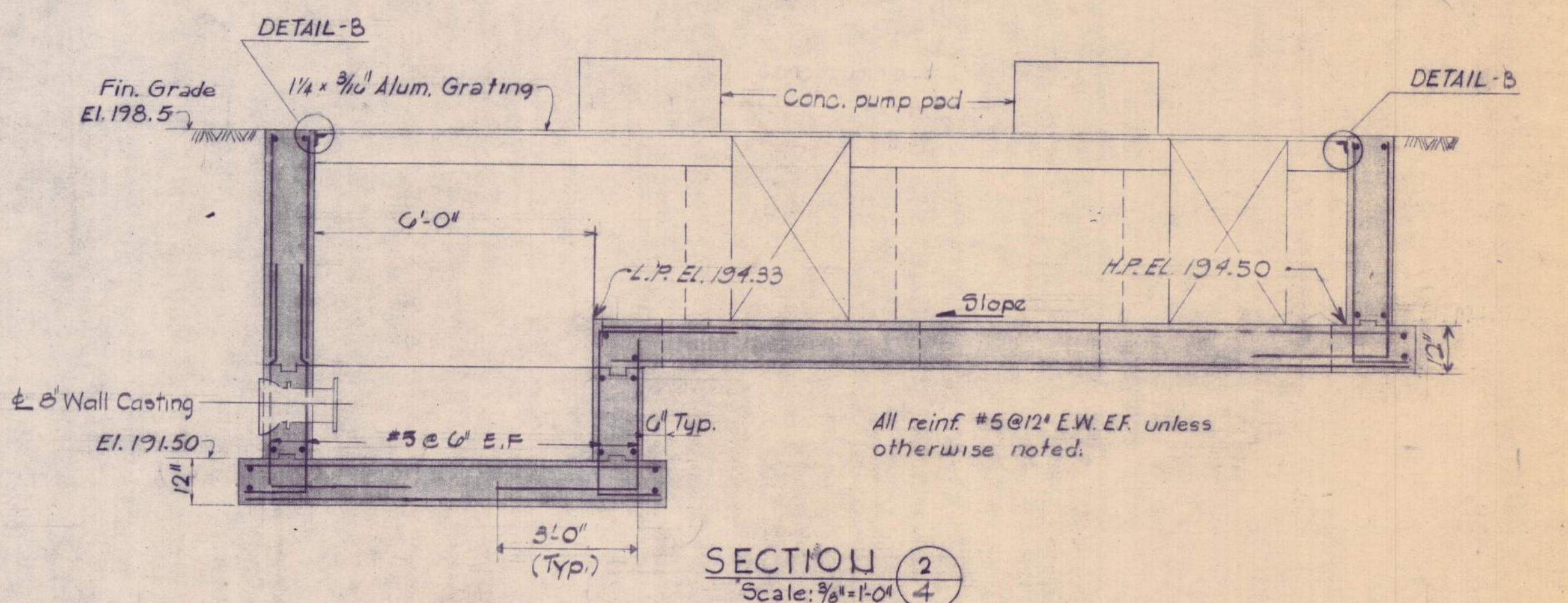
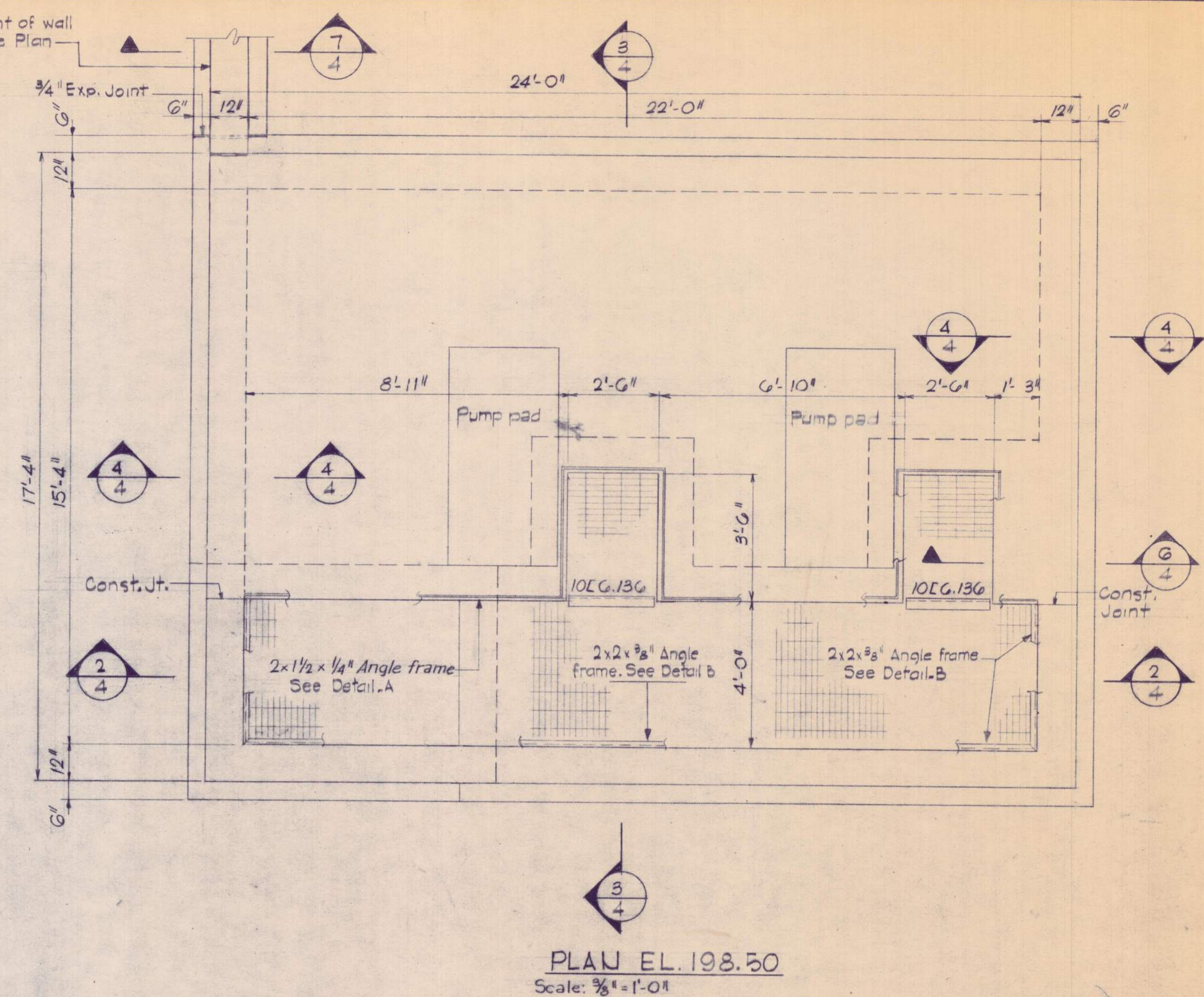
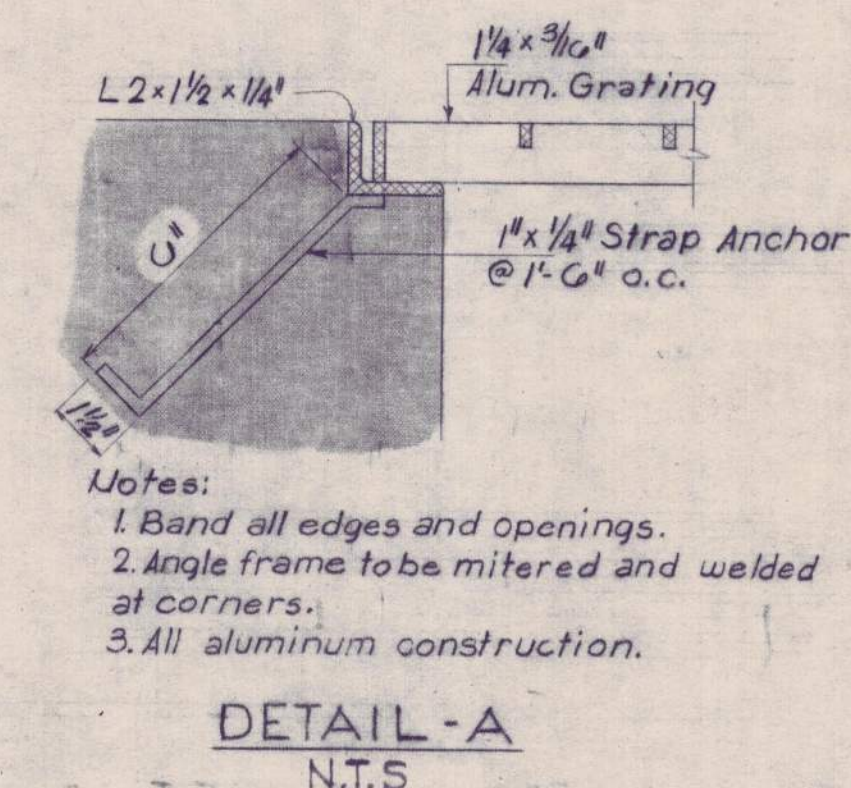
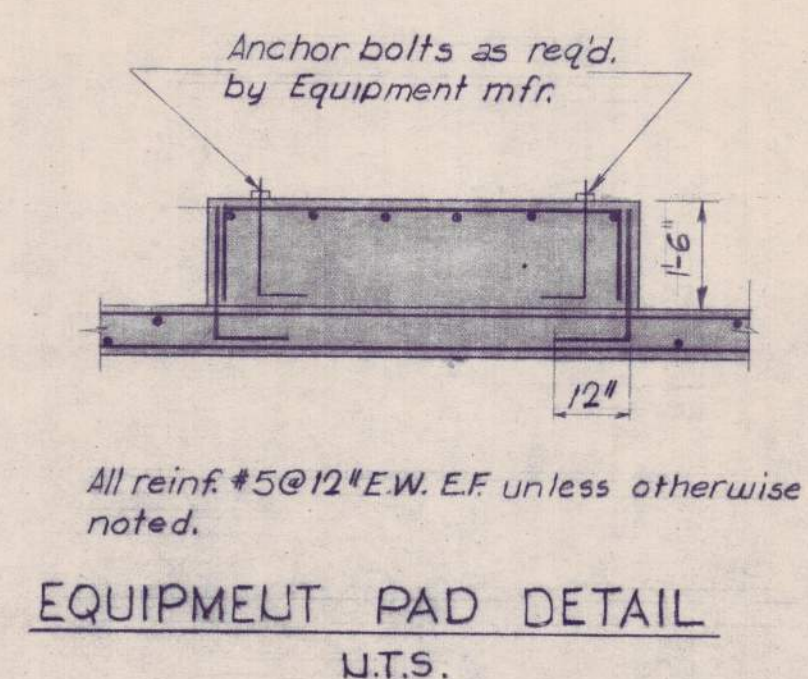
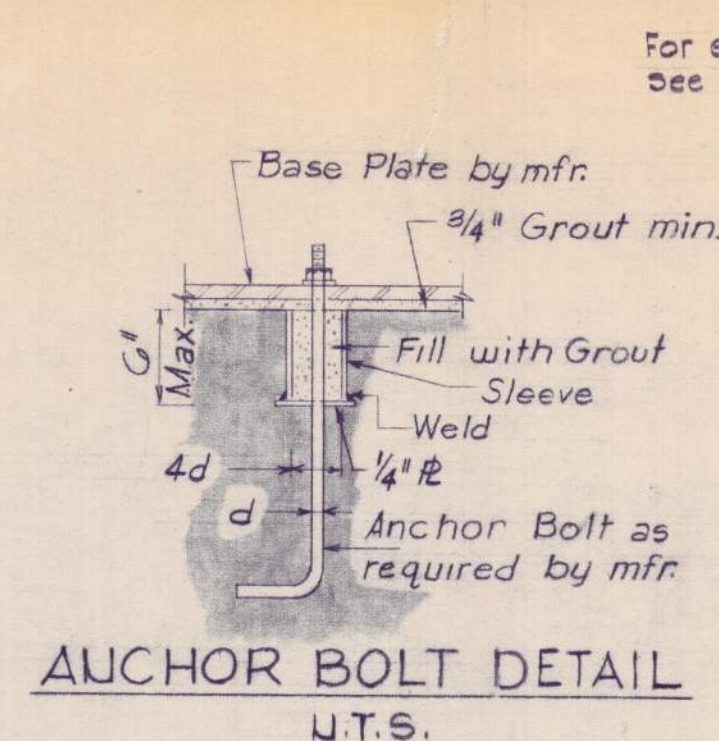
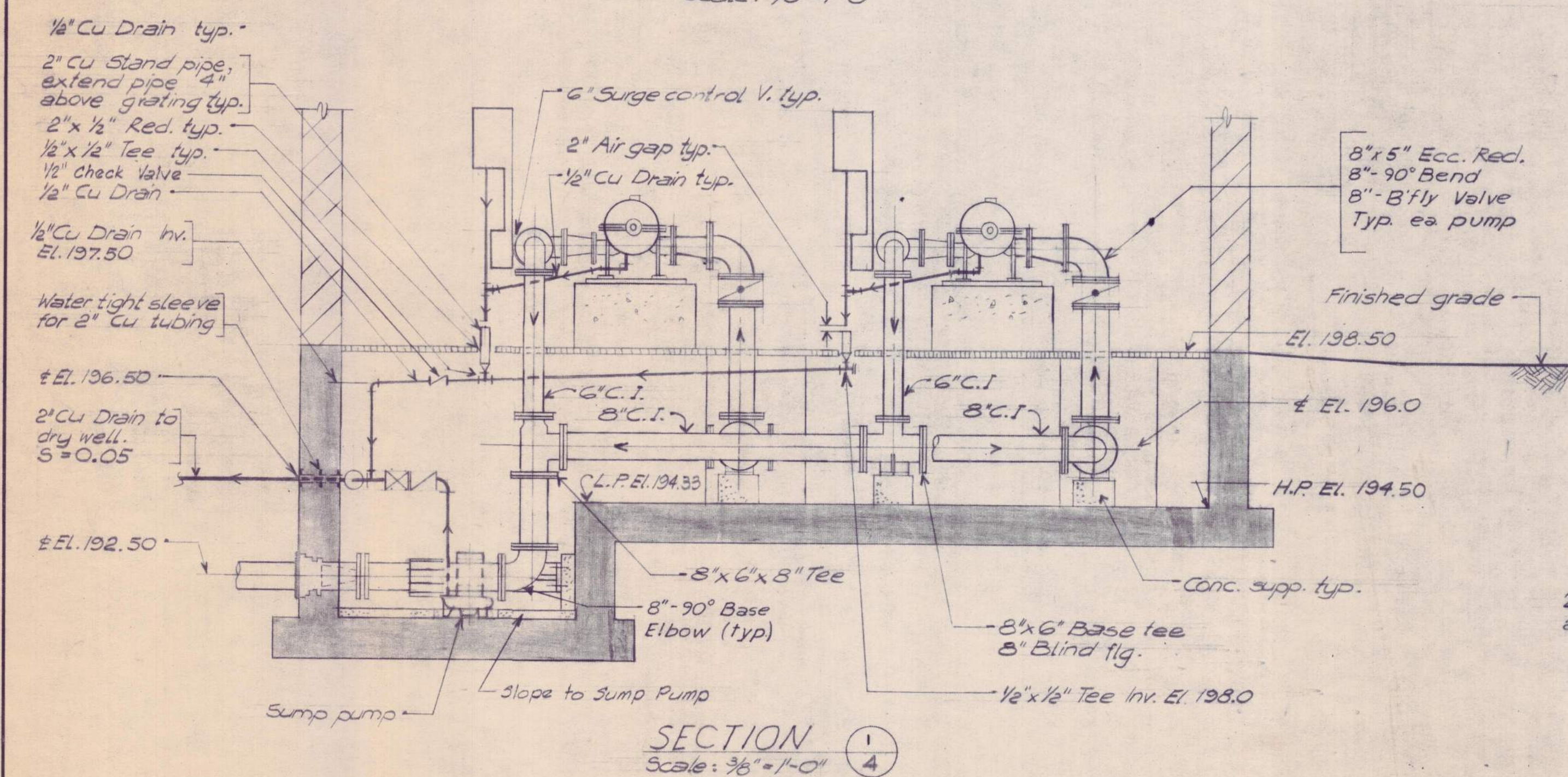
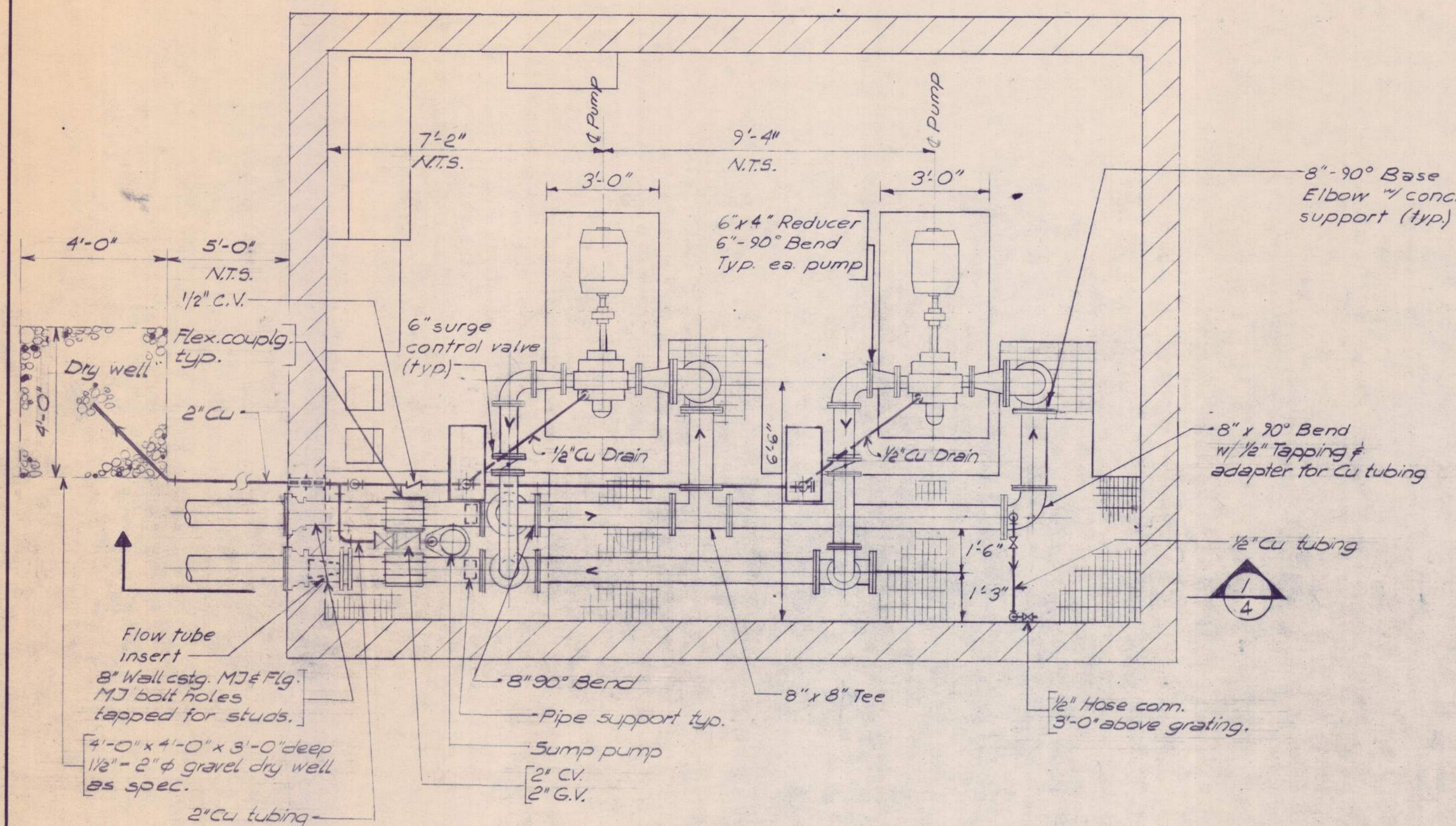
Date	Ch'k'd.	Revision
Designed by:	G.A.D.	
Drawn by:	R.D.	
Checked by:	T.E.G.	
Approved by:	REM	

KENNEBEC WATER DISTRICT
WATERVILLE, MAINE
WATER WORKS IMPROVEMENTS
BOOSTER PUMPING STATION

ARCHITECTURAL II

CAMP DRESSER & MCKEE Inc.
Consulting Engineers
Boston, Mass.

SHEET NO.
3
453-20013



Approved by:	Date	Name
Structural	3/7/4	R. Wood
Electrical		
HVAC		
Project Engineer	4/7/4	R. Peltz
Project Manager		



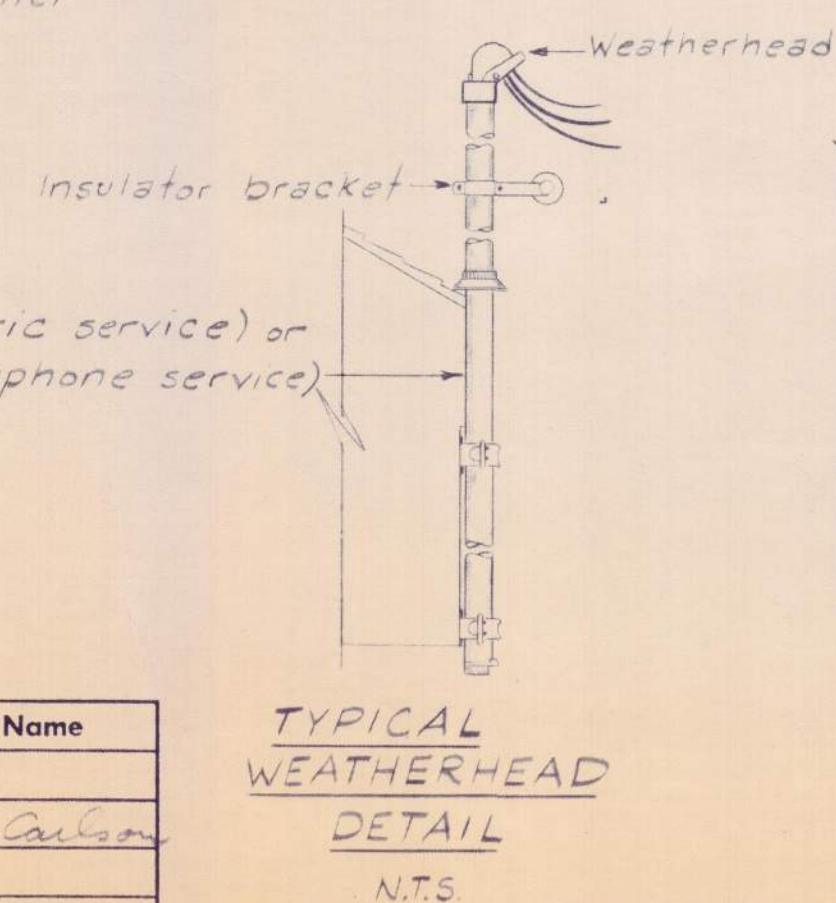
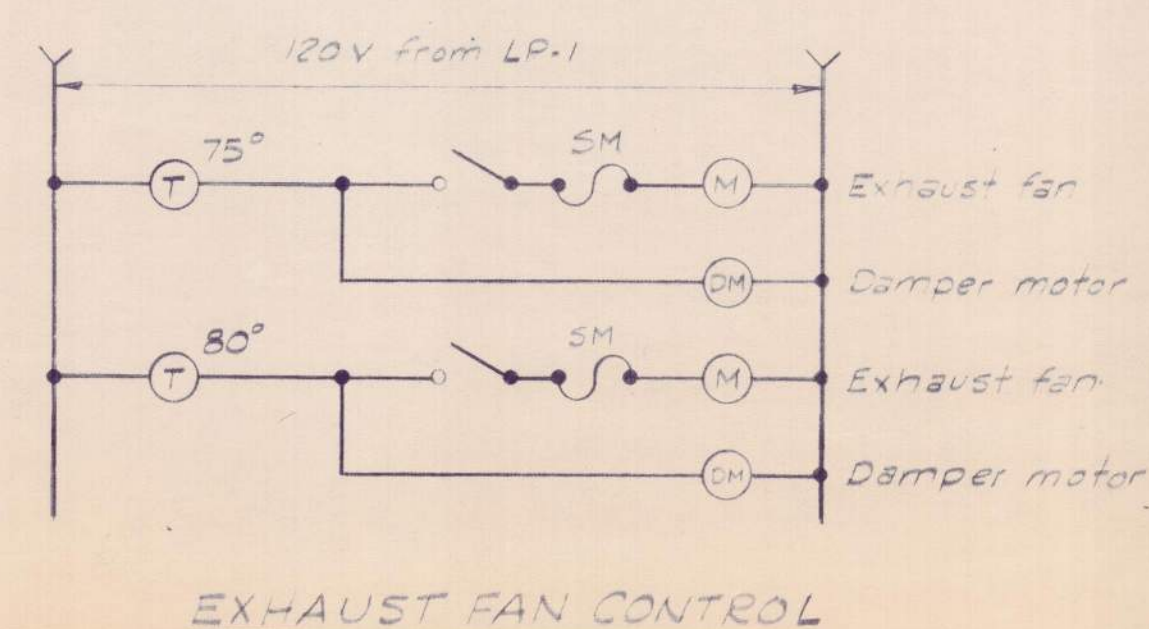
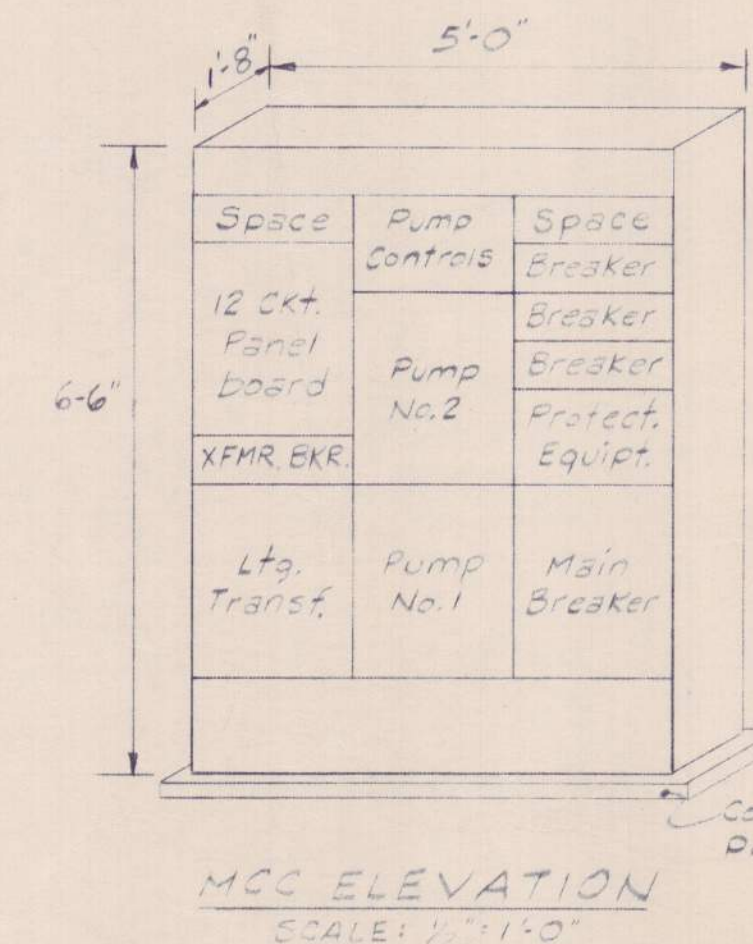
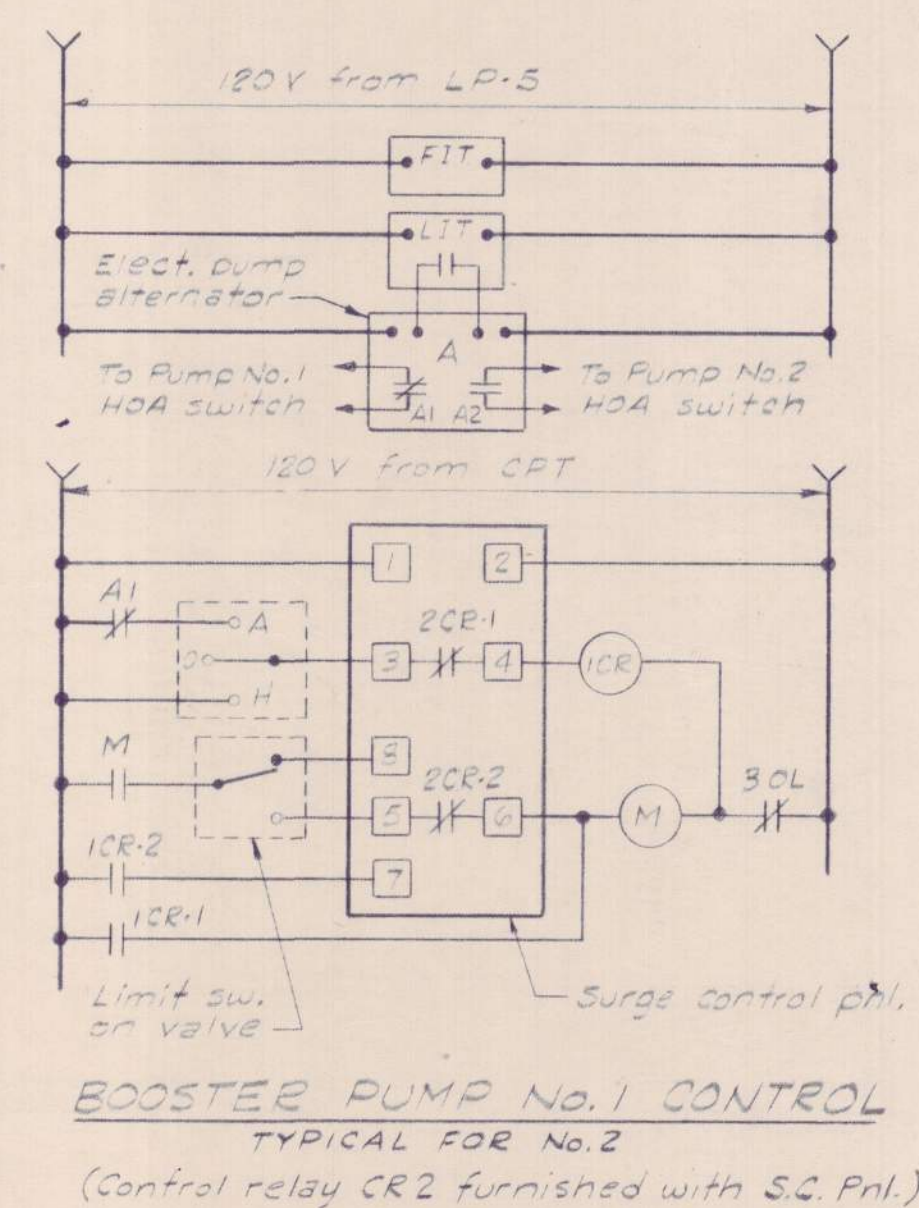
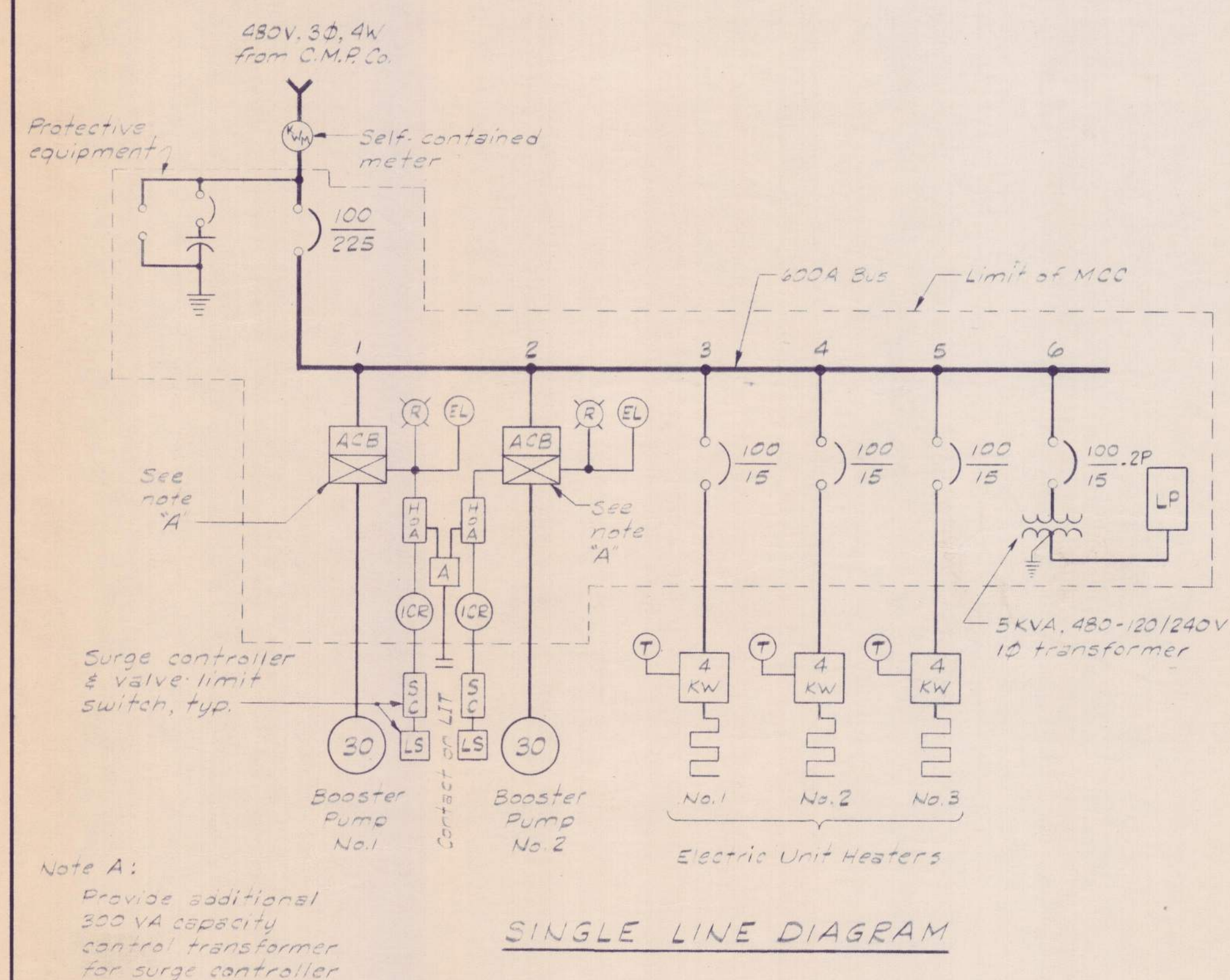
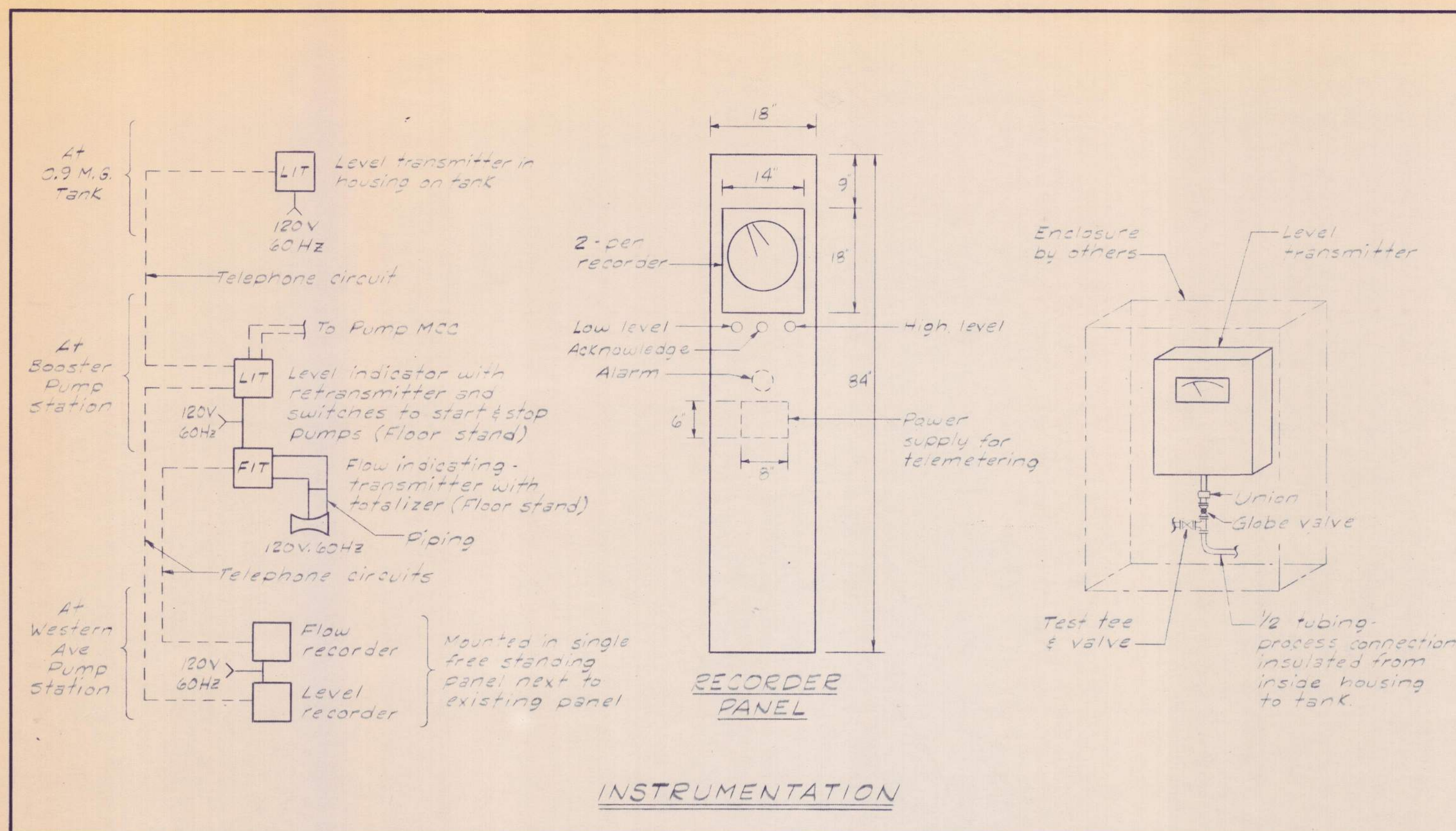
01	Date	Ch'k'd.	Revision
	Designed by:	S.P.S	
	Drawn by:	S.P.S.	Date: AUGUST 1973
	Checked by:	H.M	
	Approved by:	RCM	Scale: As Noted

KENNEBEC WATER DISTRICT
WATERVILLE, MAINE
WATER WORKS IMPROVEMENTS
BOOSTER PUMPING STATION
MECHANICAL AND STRUCTURAL



CAMP DRESSER & McKEE Inc.
Consulting Engineers
Boston, Mass.

SHEET NO.
4
53-20014



Approved by:	Date	Name
Structural		
Electrical	4/74	R. Carlson
HVAC		
Project Engineer	4/74	R. Carlson
Project Manager		

Hand-drawn schematic diagram of a ship's ventilation system. The diagram shows a network of ducts, fans, and pumps. Key components include:

- Single sump pump recept. @ E1 201.0:** A pump (P) connected to a fan (F) and a duct system.
- Manual motor starter, typ.:** A control unit connected to two fans (F).
- Exhaust fans:** Two fans at the bottom of the diagram.
- Air intake damp motor, typ.:** A motor at the top right of the diagram.
- Pressure Points:** Labeled LP-1, LP-2, LP-3, LP-4, and LP-5.
- MCC (Motor Control Center):** A unit on the left side of the diagram.
- Fl. El. 198.5012:** A label near the bottom right.

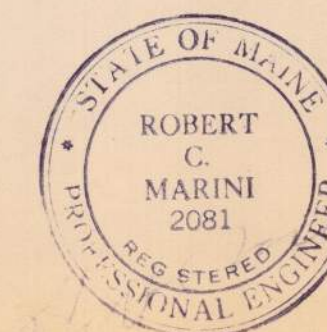
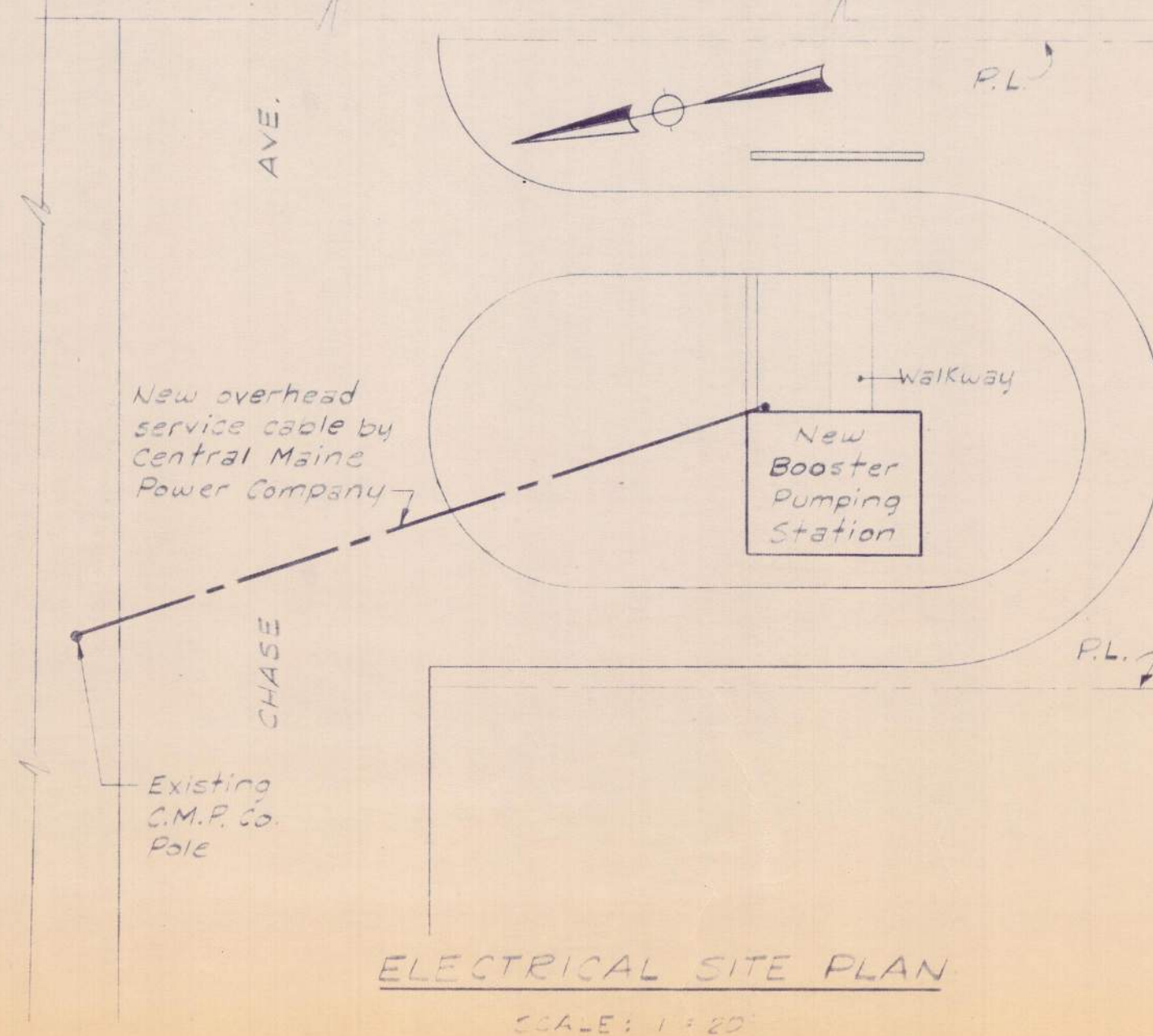
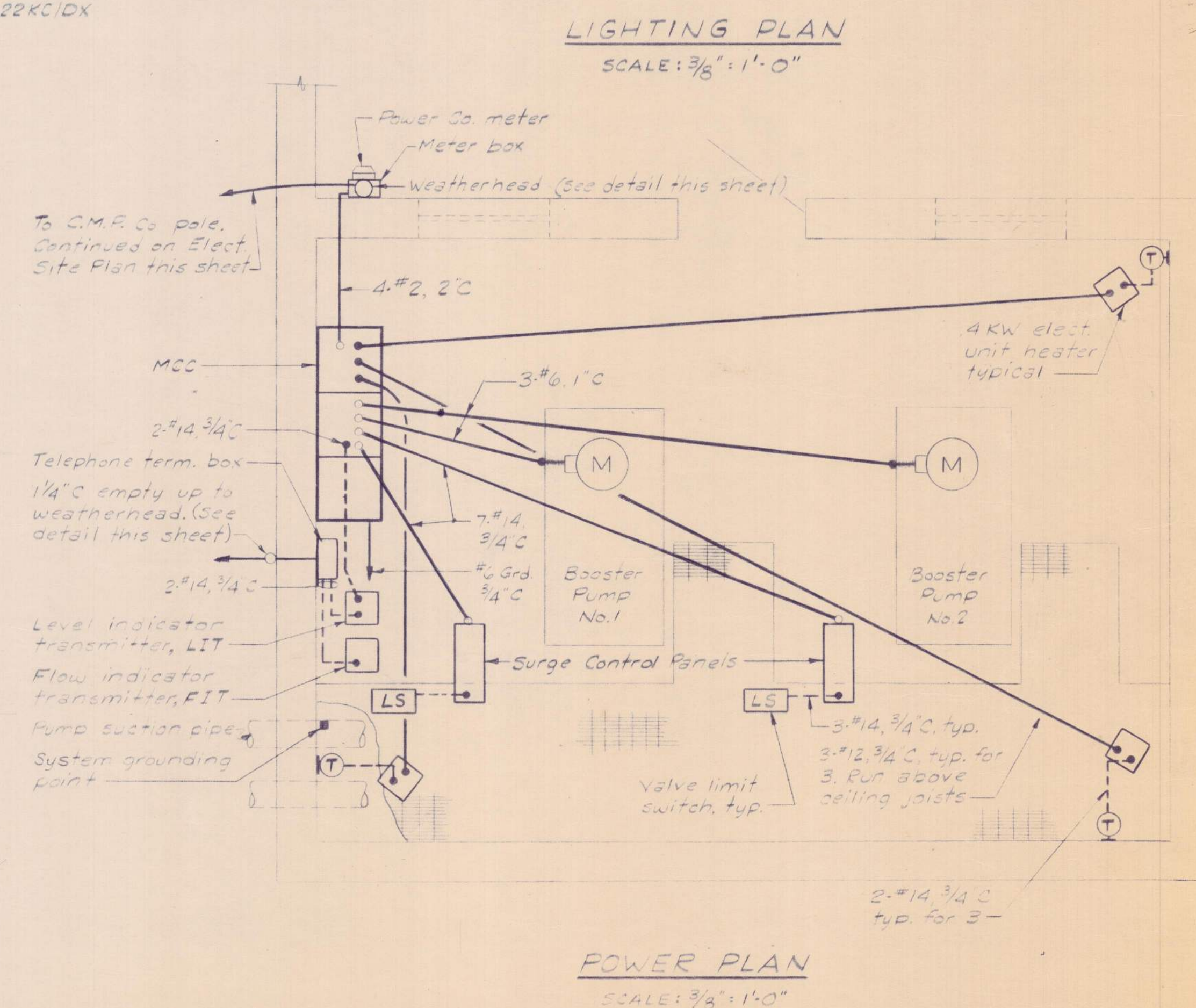
The diagram is divided into sections by vertical lines with break symbols. The system includes various ducts, fans, and pumps, with labels indicating specific components and pressure points.

PANEL BOARD "LP"						
SERVICE: 120/240V - 10-3W				100A MAINS		
MOUNTING: SURFACE				25A-2P MAIN CIR. BRKR		
CIR. No.	SERVICES	LOAD		CIR. BRKR		REMARKS
		HP	KW	Poles	Tripp	
1	Exhaust fans	1/2, 1/2	0.4	1	20A	Incl. jumper
2	Sump pump recept.	1/2	0.7			Single
3	Lighting	-	0.4			
4	Lighting & recept.	-	0.5			
5	Level & flow trans.	-	0.3			
6-9	Spares	-	-			Incl. pump str.

FIXTURE SCHEDULE

TYPE 'A' Fluorescent industrial unit ceiling pendant
mounted up 8'-0" with 2- F40 CW lamps.
(Dysorite #40211-4)

TYPE 'B': wall mounted mercury vapor with cast
guard photo control and 1-H39-22KC/DX
lamp (Halophane #489-120 GS)



Date	Ch'k'd.	Revision	
Designed by: <u>FM, JLL</u>		Date: <u>Aug. 1972</u>	
Drawn by: <u>GFC</u>			
Checked by: <u>VEW</u>			
Approved by: <u> </u>			
Scale: <u>AS 1:1000</u>			

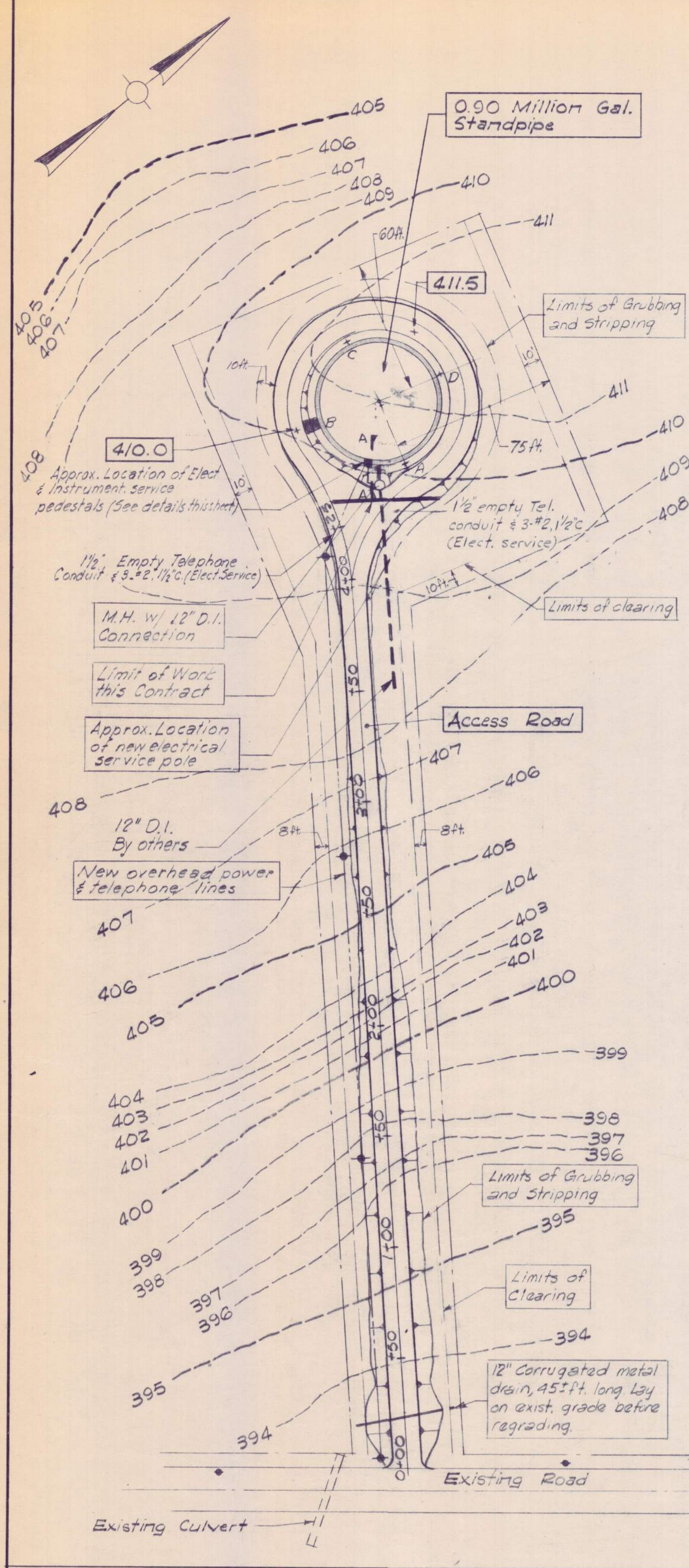
KENNEBEC WATER DISTRICT
WATERVILLE, MAINE
WATER WORKS IMPROVEMENTS
BOOSTER PUMPING STATION

ELECTRICAL



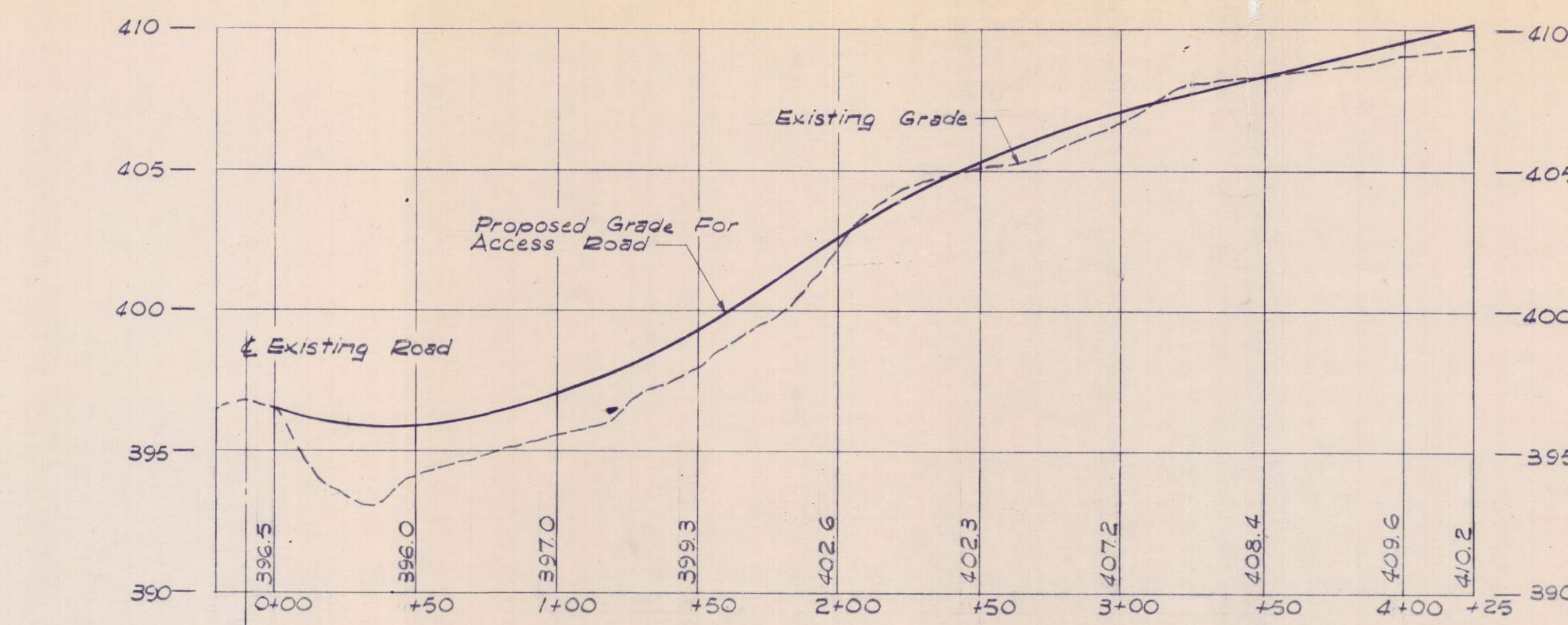
CAMP DRESSER & McKEE Inc.
Consulting Engineers
Boston, Mass.

SHEET NO.
5
453-20015



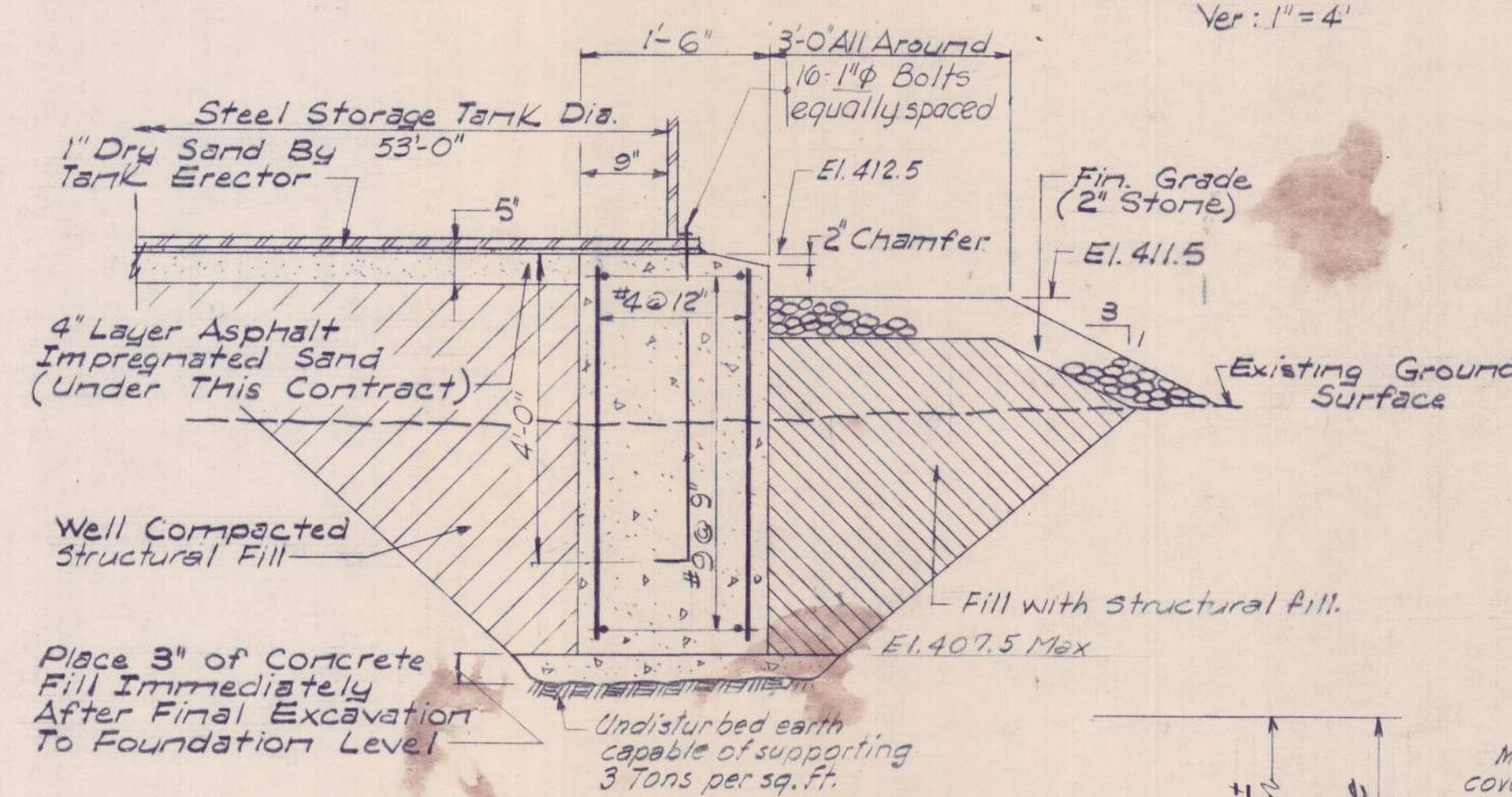
LOCATION AND SITE PLAN

Scale: 1"=40'



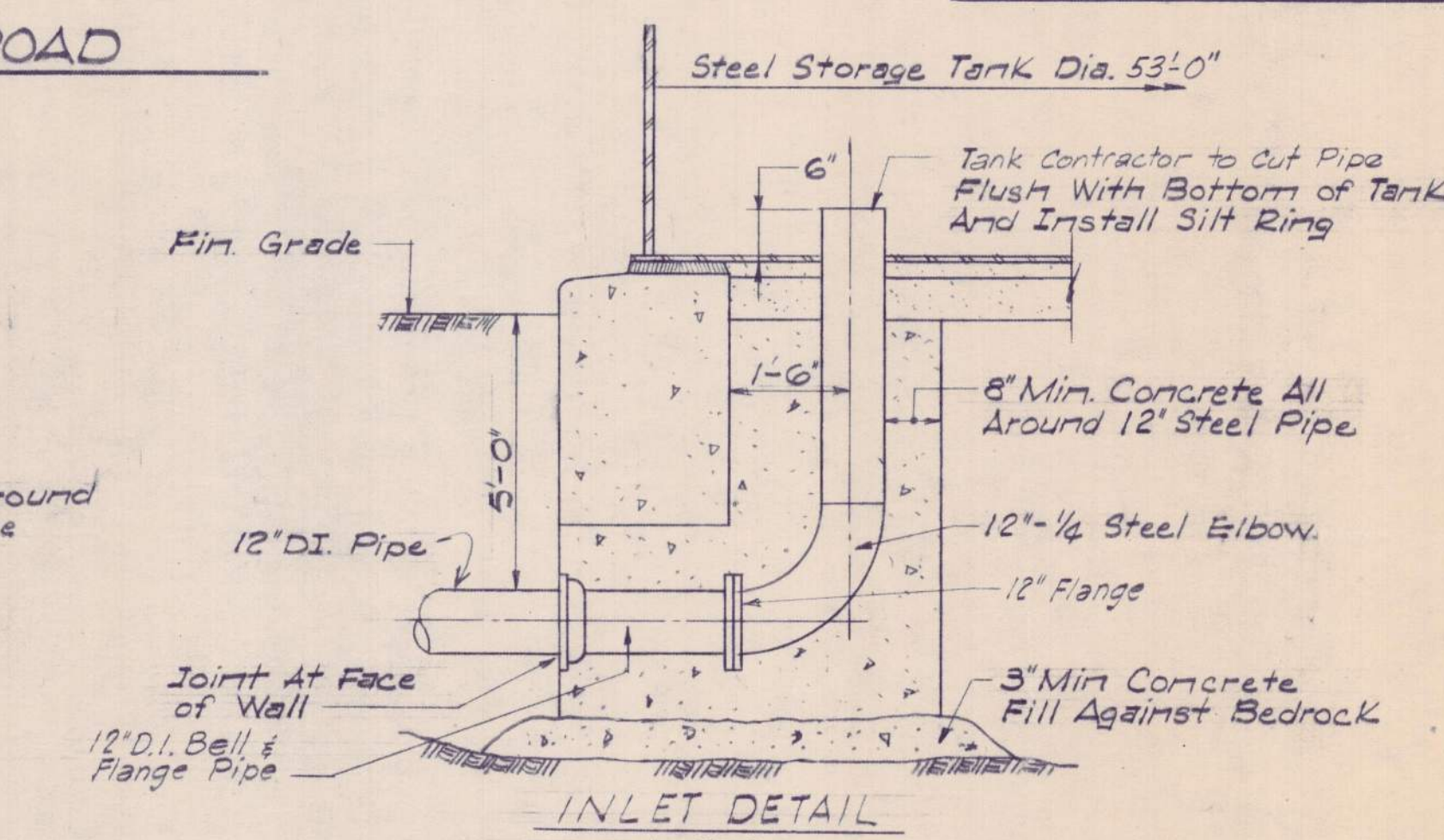
PROFILE - ACCESS ROAD

Scale: Hor: 1"=40' Ver: 1"=4'



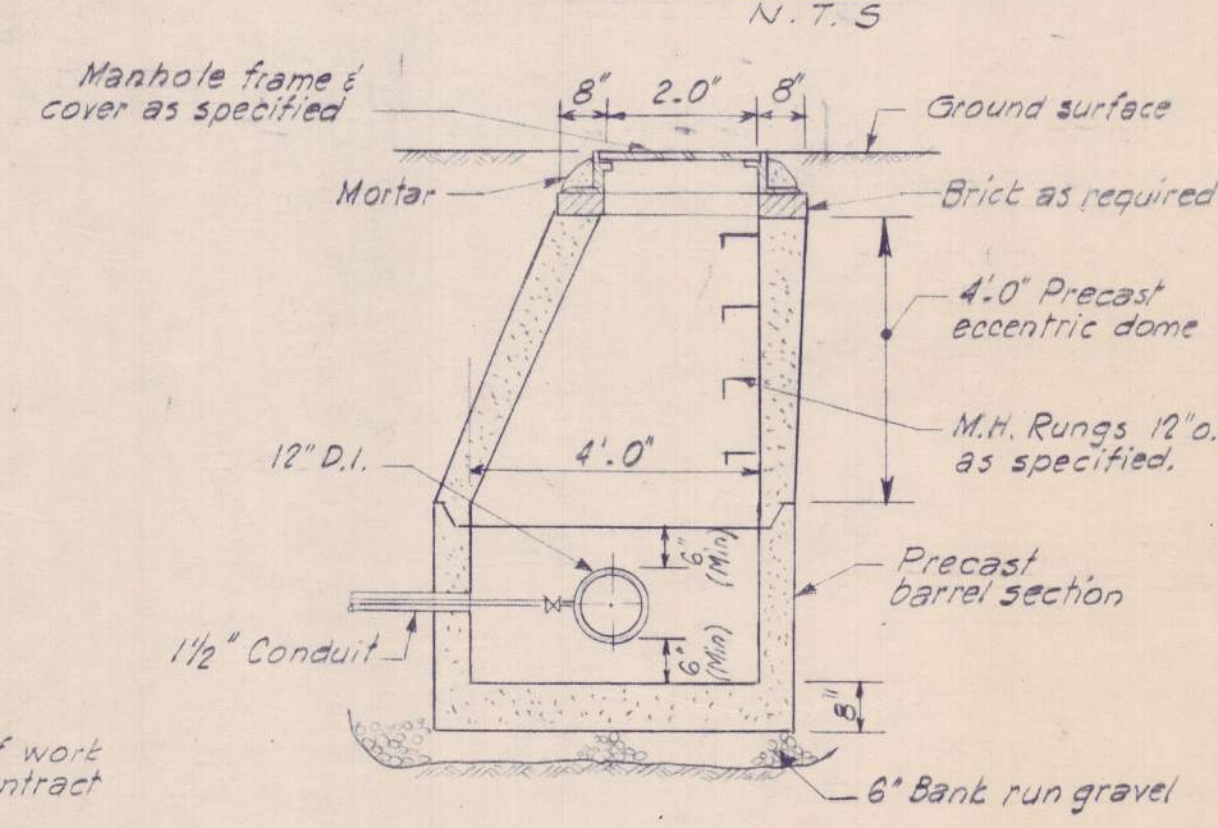
RINGWALL DETAIL

PLAN



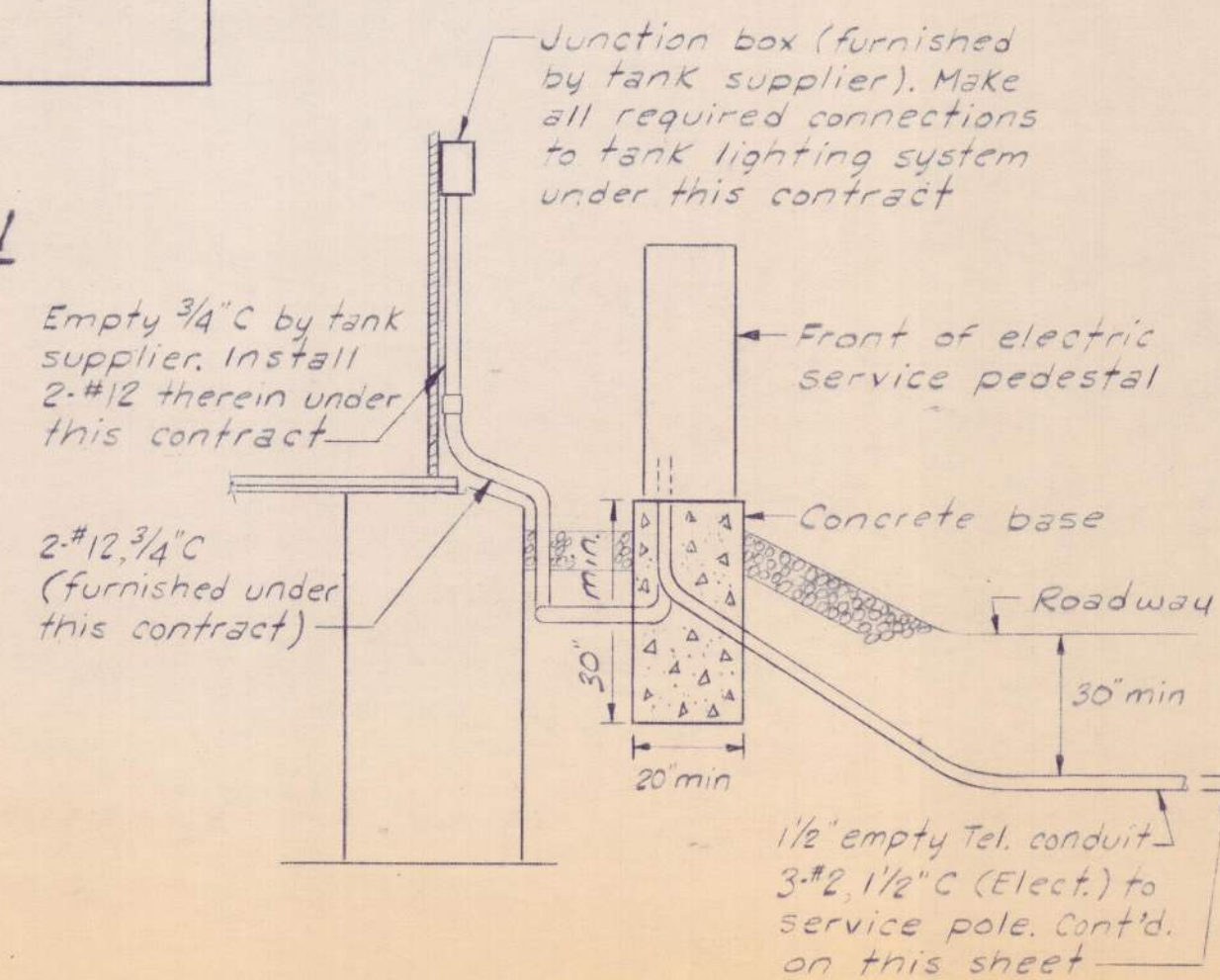
INLET DETAIL

N.T.S.



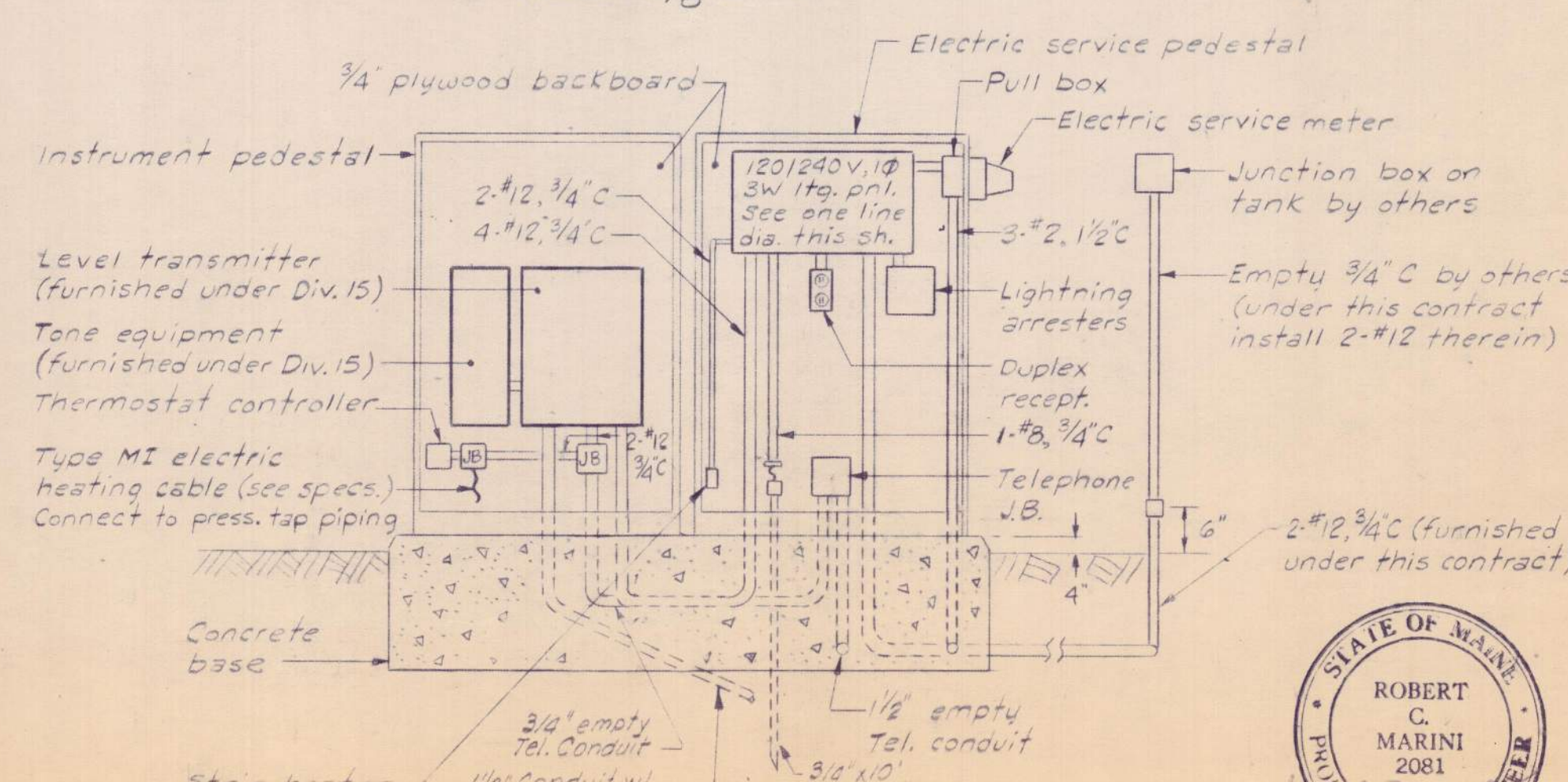
MANHOLE DETAILS

Scale: 3/8"=1'-0'



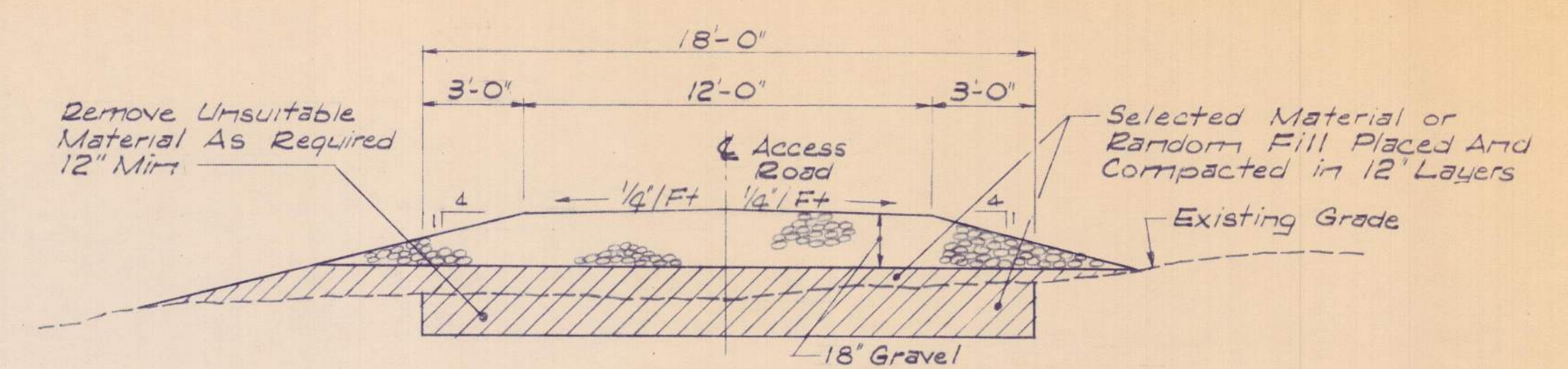
SECTION A-A

N.T.S.



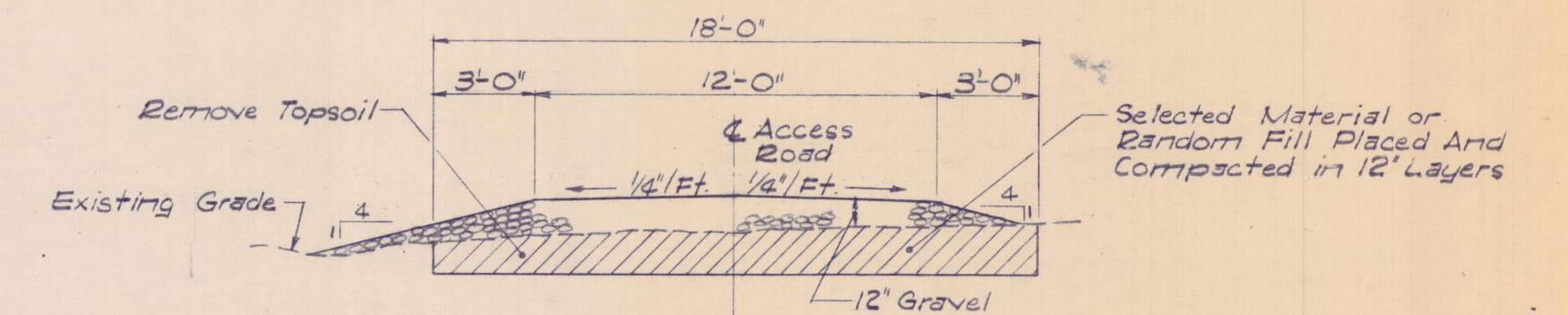
SERVICE PEDESTAL DETAILS

N.T.S.



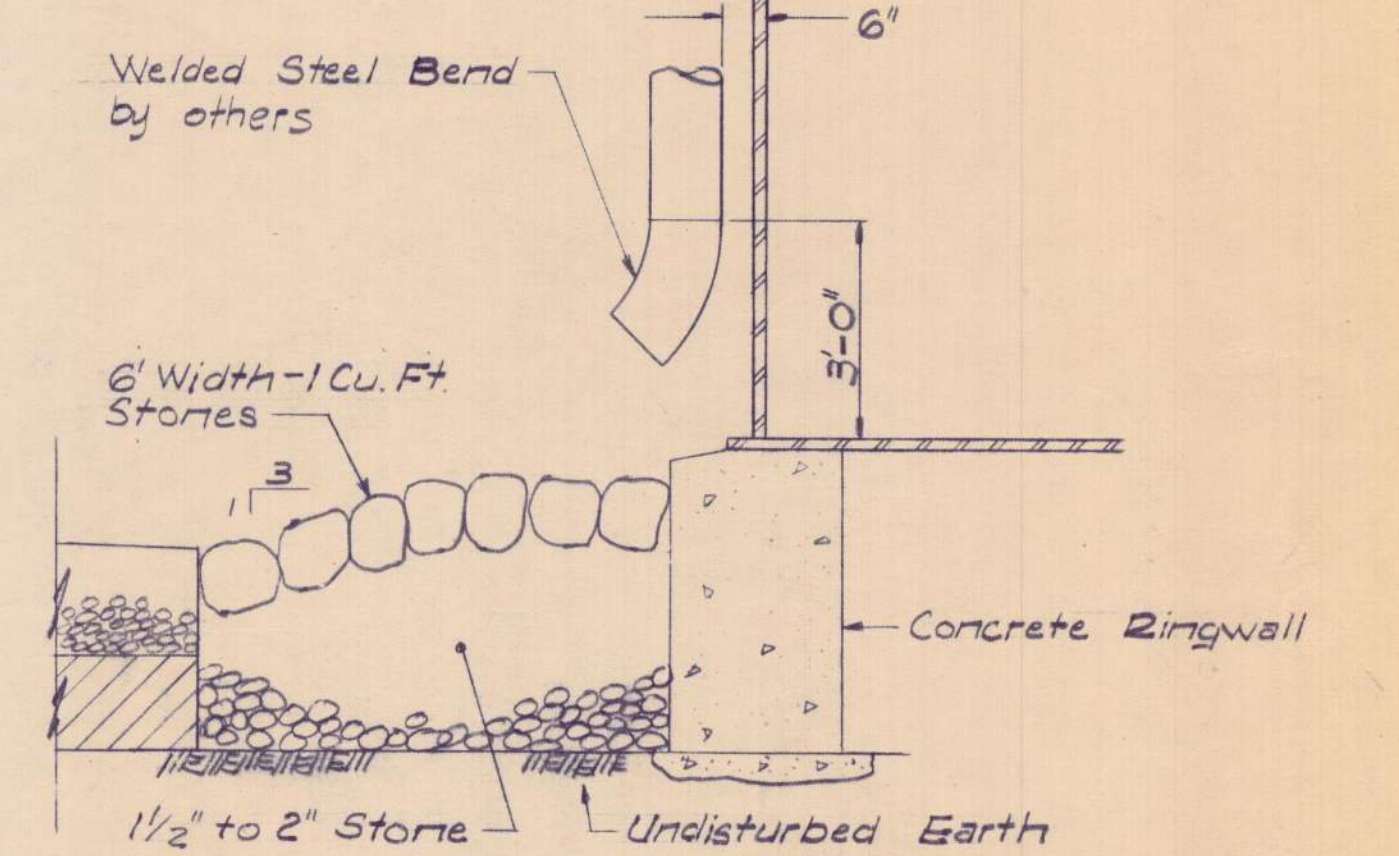
TYPICAL ROAD SECTION STA. 0+00 TO 2+00

Scale: 1"=4'



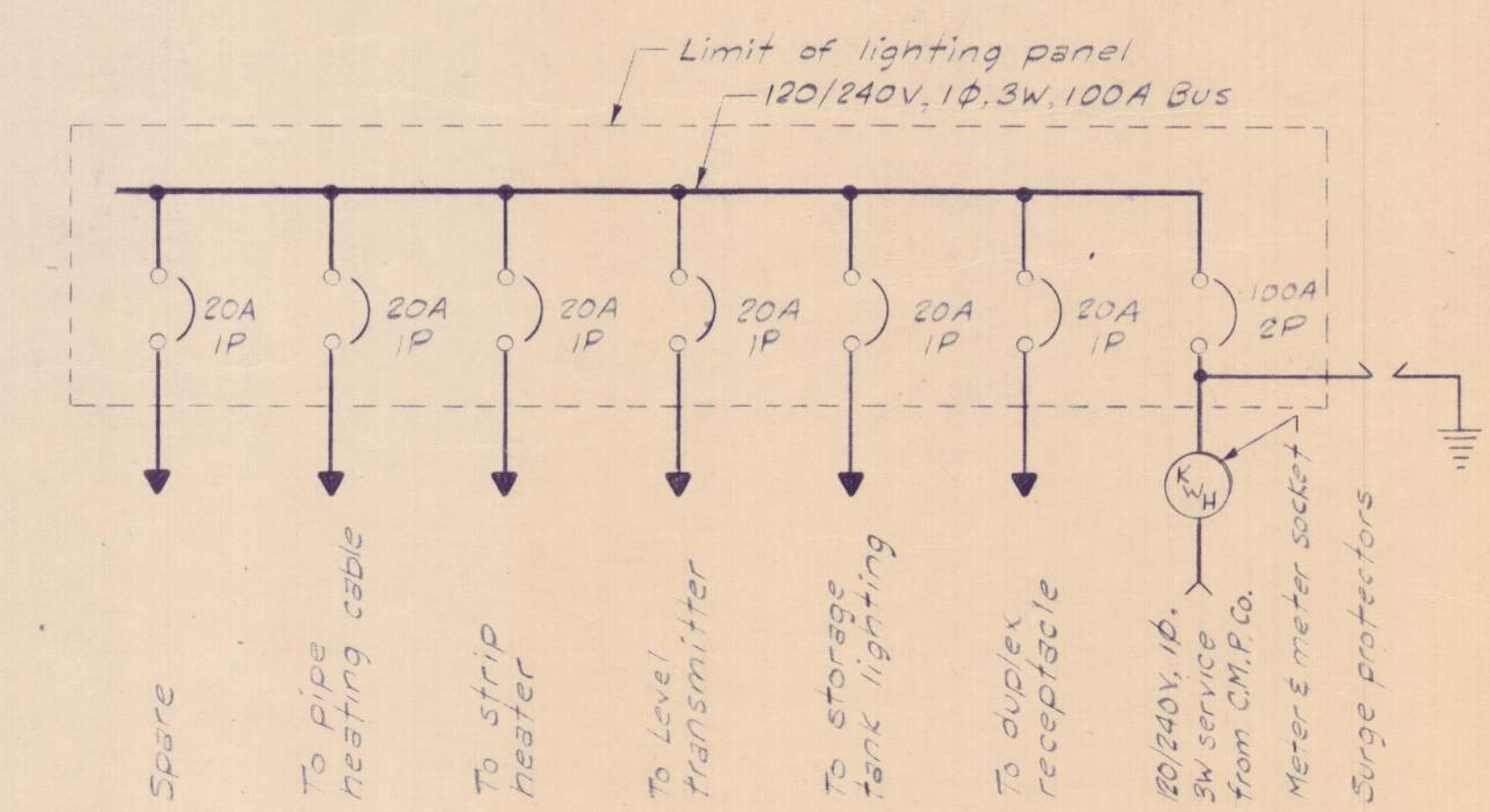
TYPICAL ROAD SECTION STA. 2+50 TO END

Scale: 1"=4'



OVERFLOW DETAIL

N.T.S.



ELECTRICAL ONE LINE DIAGRAM

by:	Date	Name
	3/12	R. Wood
	4/12	R. Carlin

Date	Ch'k'd.	Revision

Designed by: RPP/RW

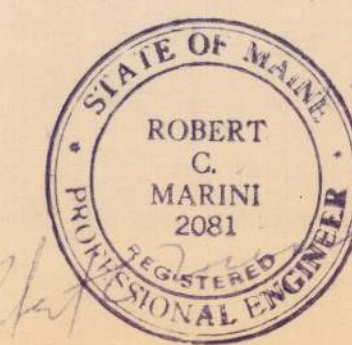
Drawn by: M.O.

Checked by: RPP

Approved by: RCM

Date: August 1973

Scale: As noted



KENNEBEC WATER DISTRICT
WATerville, MAINE
WATER WORKS IMPROVEMENTS
TANK FOUNDATION

CIVIL AND STRUCTURAL DETAILS

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