

SEISMIC AND STRUCTURAL SERVICES

May 1, 2024

REQUEST FOR QUALIFICATIONS - ADDENDUM 1

MAMMOTH COMMUNITY WATER DISTRICT

MAMMOTH LAKES, CALIFORNIA





REQUEST FOR QUALIFICATIONS – ADDENDUM 1

Seismic and Structural Risk Analysis Assessment Services

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ATTACHMENTS:

Attachment 1 – 1978 AsBuilt for Tank T2 (Juniper Ridge), Juniper Pump Station and Pressure Reducing Station, original Well 1 building, and transmission lines

Attachment 2 – Links for Tank T2 (Juniper Ridge) 2015 and 2021 inspection videos

Attachment 3 – Maps of MCWD water and sewer systems

Attachment 4 – Labelled map of MCWD Wastewater Treatment Plant and nearby buildings

Attachment 5 – Photos of damage at Tank T8 (Forest Trail) and the Equalization Pumping Building



1 QUESTIONS AND ANSWERS

The following questions were submitted by the submission deadline:

1. Question The RFQ does not mention exceptions to the Sample Master Services Agreement. Will the District accept requests for changes/exceptions?
Answer The "Sample Master Services Agreement" that was provided as Attachment 3 to the RFQ was a draft. MCWD and our legal counsel are developing an updated Master Services Agreement with a Task Order focus. Specific items in the MSA will be negotiated with the consultant selected by the MCWD evaluation committee.
2. Question Will interviews be in-person?
Answer Interviews will be done remotely via Zoom.
3. Question Are past soils reports available?
Answer Most soils reports in the last three decades for MCWD projects have been performed by Sierra Geotechnical Services (SGS), based out of Mammoth Lakes. MCWD has copies of most, but not all of these. SGS has copies of most digitized soils reports available for use. More extensive records searching will incur a small fee for SGS' time. Older projects may or may not have soils reports available, depending on the facility.
4. Question What AsBuilts and other records are available for the drinking water storage tanks?
Answer AsBuilts exist for each tank as originally installed, although the accuracy of these cannot be guaranteed by MCWD. A 1978 AsBuilt for Tank T2 (Juniper Ridge), its corresponding pump station and pressure reducing station, the original building for Well 1 (which has since been replaced) and some of the transmission lines (which have since been replaced with DIP or abandoned) is provided as **Attachment 1**. This is generally representative of AsBuilt level of detail available up to the mid- to late-1980s. Links for the 2015 and 2021 inspection videos of Tank T2 are provided in **Attachment 2**. MCWD's tanks are generally cleaned and inspected every 6 years. Each tank older than 1998 has been recoated or rehabilitated at least once since 1999, with reports on file for the work performed.
5. Question Can you provide layout diagrams for the water and sewer distribution networks?
Answer Maps of MCWD's water and sewer systems are provided in **Attachment 3**.
6. Question Can you provide a labelled map of the wastewater treatment plant facilities and a process flow diagram?
Answer A labelled map of the MCWD wastewater treatment plant and nearby buildings is provided in **Attachment 4**.



7. Question Can you provide photos of the tank and building that failed due to snow load in 2023?

Answer Photos of Tank T8 (Forest Trail) and the Equalization Pumping Building are provided in **Attachment 5**. T8 was replaced with a welded steel tank and the Equalization Pumping Building trusses and roof were replaced with wooden trusses and a new roof and membrane in the summer-fall of 2023.

Dated: 5/1/2024

Mammoth Community Water District

By: Nick Holt

Nick Holt
Assistant Engineer

SEISMIC AND STRUCTURAL SERVICES

May 1, 2024

REQUEST FOR QUALIFICATIONS – ADDENDUM 1

ATTACHMENT 1 – 1978 ASBUILT FOR TANK T2 (JUNIPER RIDGE), JUNIPER PUMP STATION AND PRESSURE REDUCING STATION, ORIGINAL WELL 1 BUILDING, AND TRANSMISSION LINES



MAMMOTH COUNTY WATER DISTRICT

MONO COUNTY, CALIFORNIA

BOARD OF DIRECTORS

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 F. E. AXFORD - Vice President
 M. V. DYE
 EDGAR F. HAZELTON
 DONALD L. RAKE

ROBERT E. REARDON - District Manager

GENERAL NOTES: (Cont'd)

- All construction within County rights of way, including shoulder areas, shall be performed in strict accordance with the County Encroachment Permit included in the specifications.
- BENCH MARK:
Highway monument marked E. 203 at 777 + 02.19: Elevation - 8221.54

GENERAL NOTES:

- All work shown on these plans shall be performed in strict accordance with the specifications. The Contractor shall conduct all his operations to minimize disturbances and damage to private property. If conditions are encountered which may threaten to damage private property, the Contractor shall take any and all immediate measures to protect the property and shall immediately notify the Engr.
- The locations of public and private underground utilities shown on the plans were obtained from available records and subsequent field surveys. The Contractor shall take all such measures as necessary to protect utilities encountered during construction shall be immediately repaired to the satisfaction of the Engineer and/or the utility owner.
- The Contractor shall coordinate all his work with the various utilities and shall notify all utilities a minimum of 48 hours prior to commencing any work. The existing public utilities and agencies having facilities or jurisdiction in the area of work.

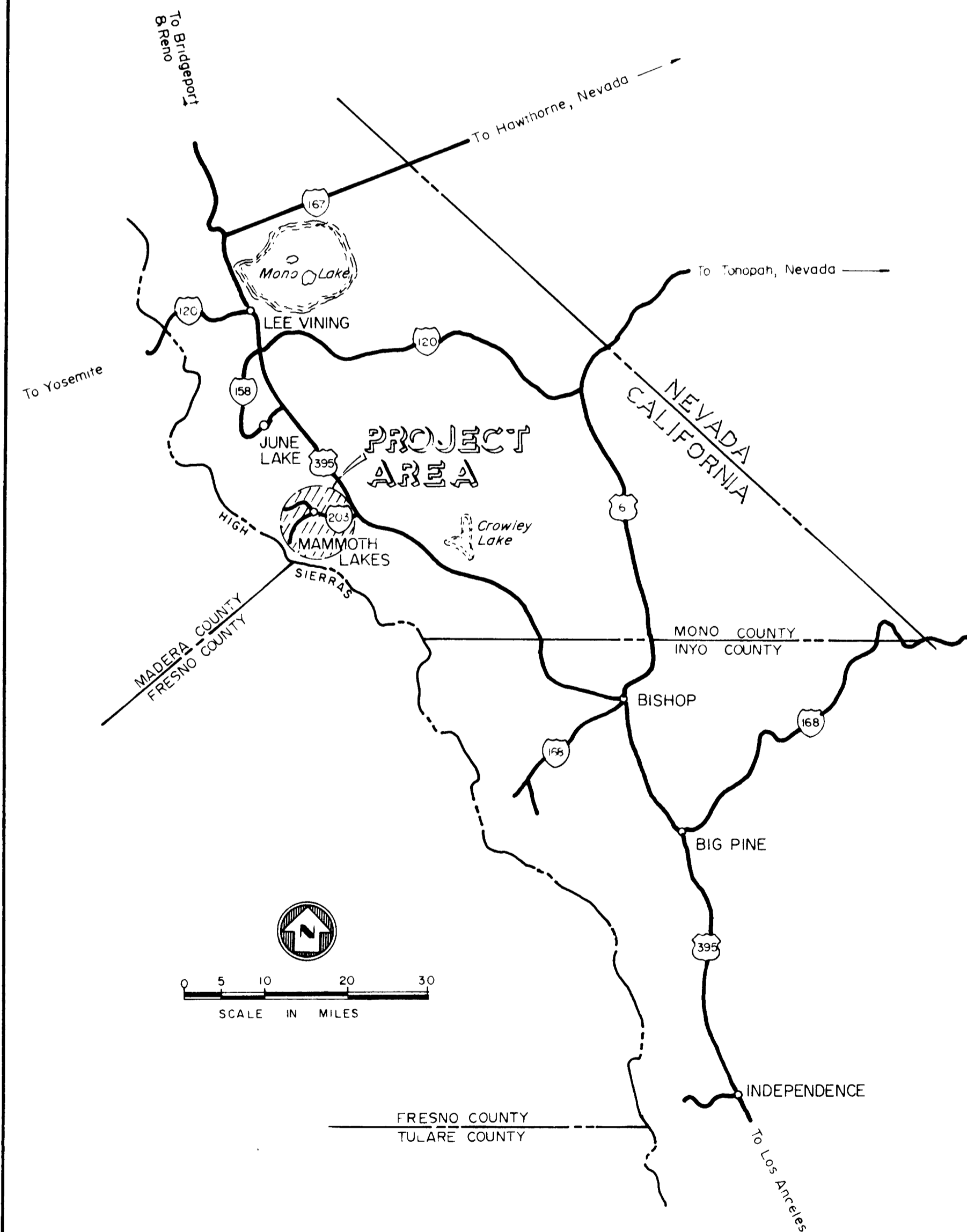
Mammoth County Water District (714) 934 - 2596
 Southern California Edison Co. (714) 873 - 3568
 Mammoth Electric - Cable TV (714) 934 - 2935
 Continental Telephone Co (714) 873 - 4221
 Turner Gas (714) 934 - 2343
 Petrolane Gas Service (714) 934 - 2213

PLANS FOR THE CONSTRUCTION OF

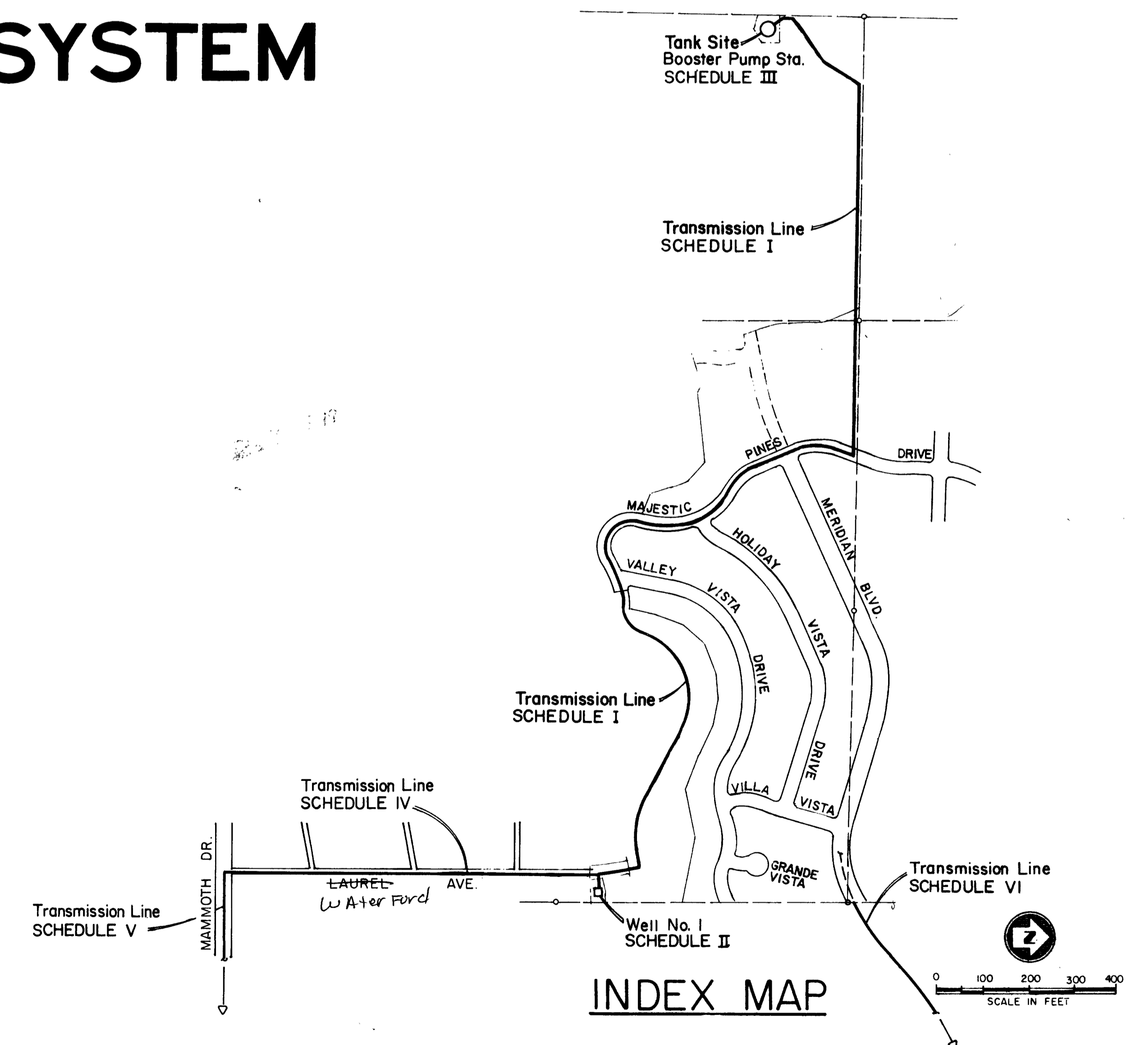
SUPPLEMENTAL WATER SYSTEM

INDEX TO DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE SHEET, GENERAL NOTES AND INDEX TO DRAWINGS
Schedule I, Alternates 'A' and 'B'	
2	PLAN and PROFILE, TRANSMISSION LINE, Sta. 0+50 to Sta. 16+00
3	PLAN and PROFILE, TRANSMISSION LINE, Sta. 16+00 to Sta. 30+85
4	PLAN and PROFILE, TRANSMISSION LINE, Sta. 30+33 to Sta. 44+97
5	PLAN and PROFILE, TRANSMISSION LINE, Sta. 44+97 to Sta. 54+05
Schedule IV, Alternates 'A' and 'B'	
6	PLAN and PROFILE, TRANSMISSION LINE, Sta. 1+75 to Sta. 16+40
Schedule V, Alternates 'A' and 'B'	
7	PLAN and PROFILE, TRANSMISSION LINE, Sta. 16+40 to Sta. 29+50
8	PLAN and PROFILE, TRANSMISSION LINE, Sta. 29+50 to Sta. 42+70
9	PLAN and PROFILE, TRANSMISSION LINE, Sta. 42+70 to Sta. 55+00
10	PLAN and PROFILE, TRANSMISSION LINE, Sta. 55+00 to Sta. 68+08
11	PLAN and PROFILE, TRANSMISSION LINE, Sta. 68+08 to Sta. 77+65
Schedule VI, Alternates 'A' and 'B'	
12	PLAN and PROFILE, TRANSMISSION LINE, Sta. 0+00 to Sta. 13+15
13	PLAN and PROFILE, TRANSMISSION LINE, Sta. 13+15 to Sta. 20+75
Schedule III, Alternates 'A' and 'B'	
14	SITE PLAN and MISCELLANEOUS DETAILS
15	BOOSTER PUMP STATION DETAILS
16	RESERVOIR VAULT PIPING and MISCELLANEOUS DETAILS
17	MISCELLANEOUS DETAILS
18	WATER TANK DETAILS
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19	WELL SITE PLAN and MISCELLANEOUS DETAILS
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21	MISCELLANEOUS DETAILS
22	ELECTRICAL
23	ELECTRICAL



AREA MAP



INDEX MAP

NO.	DATE	DESCRIPTION	BY	CHECKED	DATE

JOB NO. 247
 DRAWN DATE
 CHECKED DATE
 REVISIONS

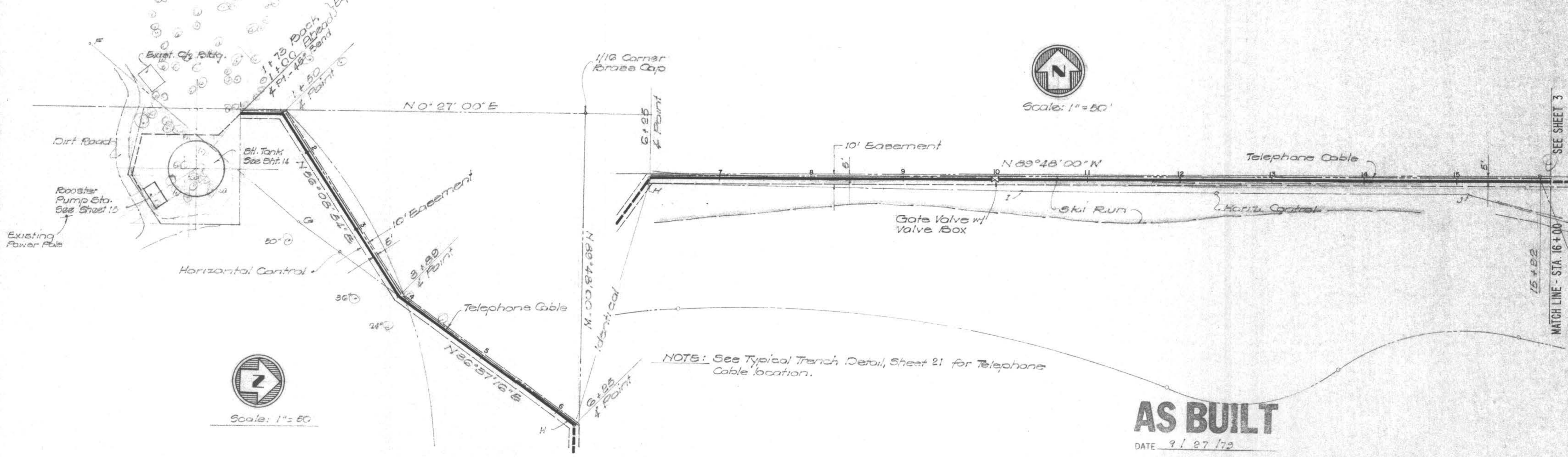
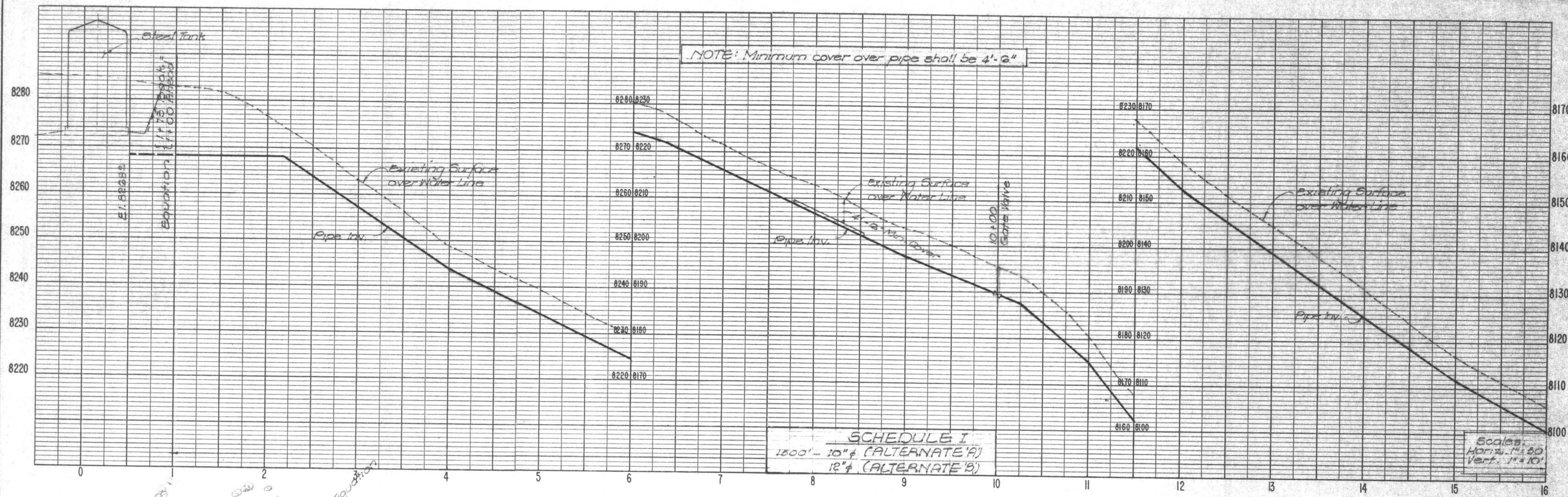


GRAM PHILLIPS ASSOCIATES, INC.
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 ENGINEERING / RESEARCH
 ENVIRONMENTAL SYSTEMS

AS BUILT SET

10277

SHEET 1
 OF 23



AS BUILT
DATE 9 / 27 / 73

MAMMOTH COUNTY WATER DISTRICT
Mono County, California

PLAN AND PROFILE
SCHED. I - TRANSMISSION LINE - STA. 0+50 to STA. 16+00

JOB NO. 247		DATE 4/18/73	
DRAWN b.c.		CHECKED d.f.p.	
DATE 12/5/72		DATE	
NO.	DATE	DESCRIPTION	BY
REVISIONS			

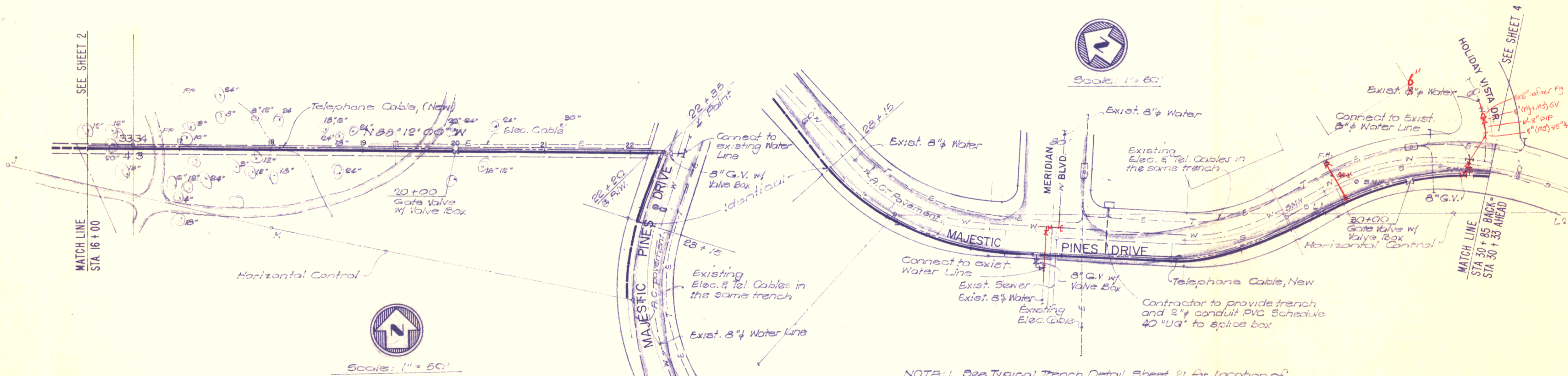
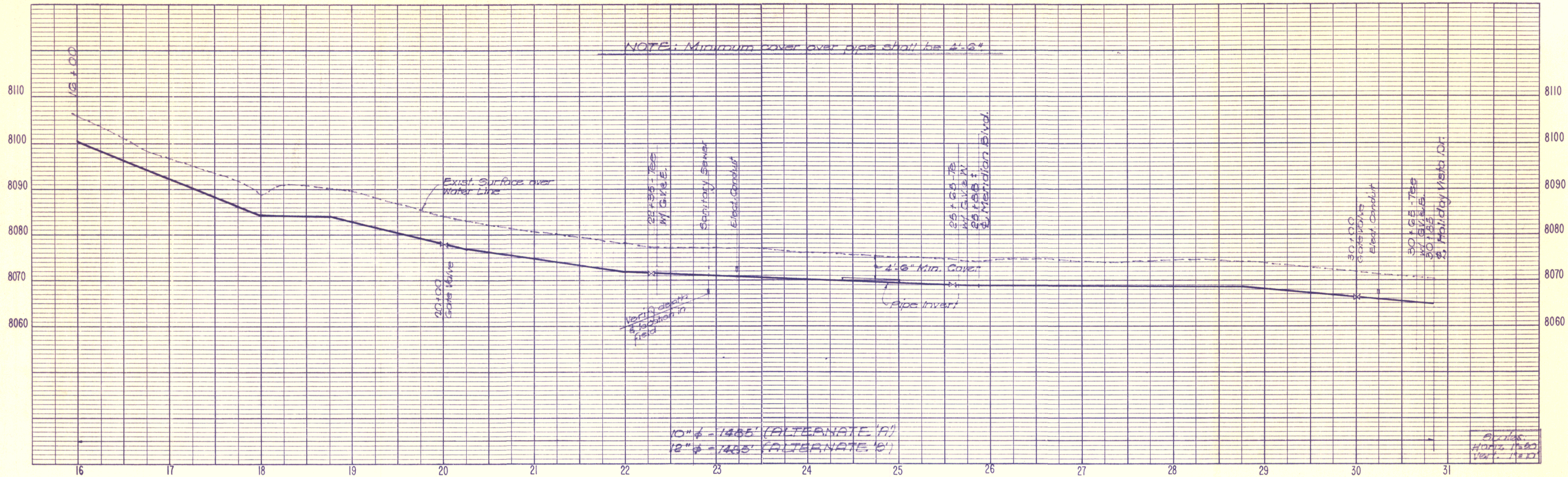


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10278

SHEET 2 OF 23

1/74 DIETRICH-POST CLEARPRINT 1000H



NOTE: 1. See Typical Trench Detail, Sheet 24, for location of Telephone Cable.
2. Locate Water Line 6' off the edge of pavement.

AS BUILT
DATE 2/27/72

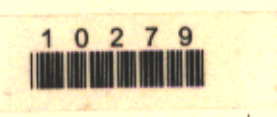
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CHECKED DFR		DATE 11/25/77	
BY		DATE 4/12/78	
DESCRIPTION		RCE 13,512	
NO.	DATE	DESCRIPTION	BY



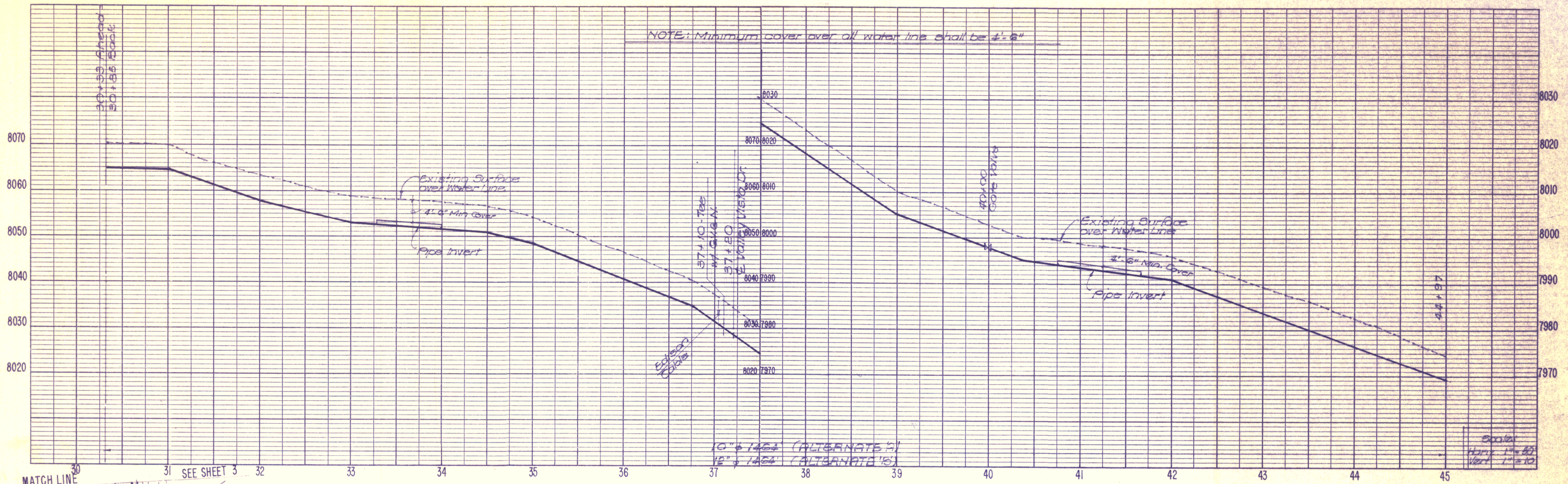
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1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 681-0291

MAMMOTH COUNTY WATER DISTRICT
Mono County, California

PLAN AND PROFILE
SCHED. I - TRANSMISSION LINE - STA. 16+00 to STA. 30+85

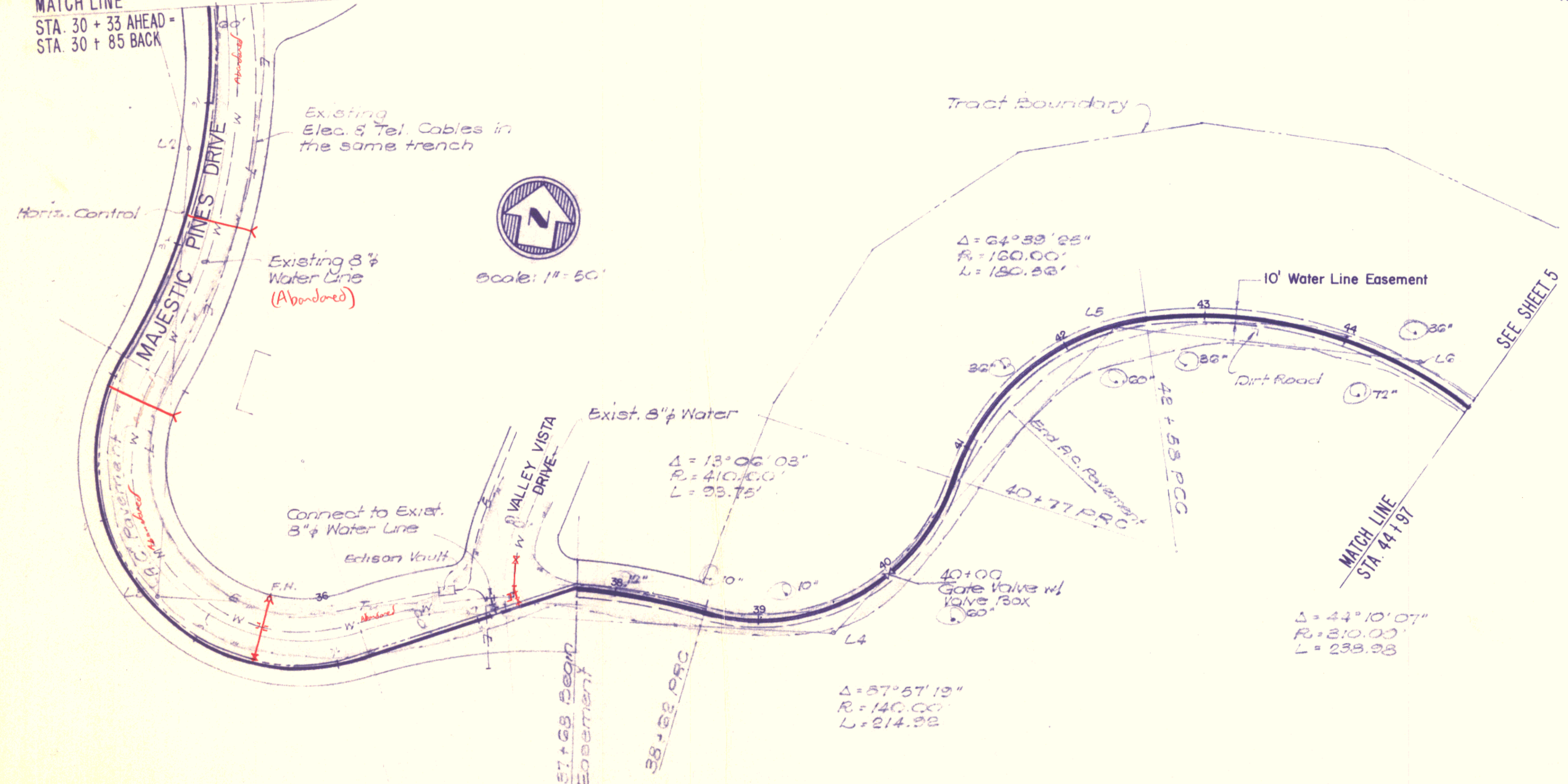


SHEET 3
OF 23



NOTE: Minimum cover over all water line shall be 4'-6"

MATCH LINE
STA. 30 + 33 AHEAD -
STA. 30 + 85 BACK



NOTE: New Telephone Cables & Water Line are in the same trench, see Typical Trench Detail, Sht. 21.

AS BUILT

DATE 9/27/78

MAMMOTH COUNTY WATER DISTRICT
Mono County, California

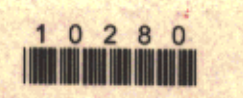
PLAN AND PROFILE

SCHED. I-TRANSMISSION LINE - STA. 30+33 to STA. 44+97

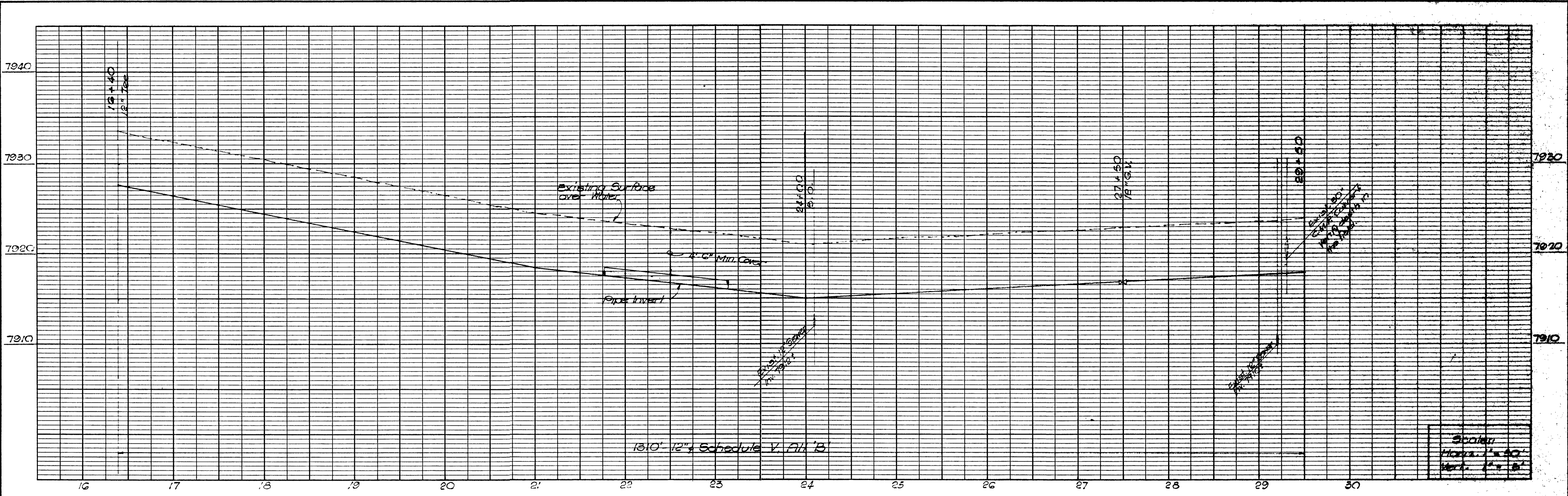
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DRAWN B.C.		DATE 12/5/78	
CHECKED D.P.F.		DATE 12/5/78	
NO.	DATE	DESCRIPTION	BY



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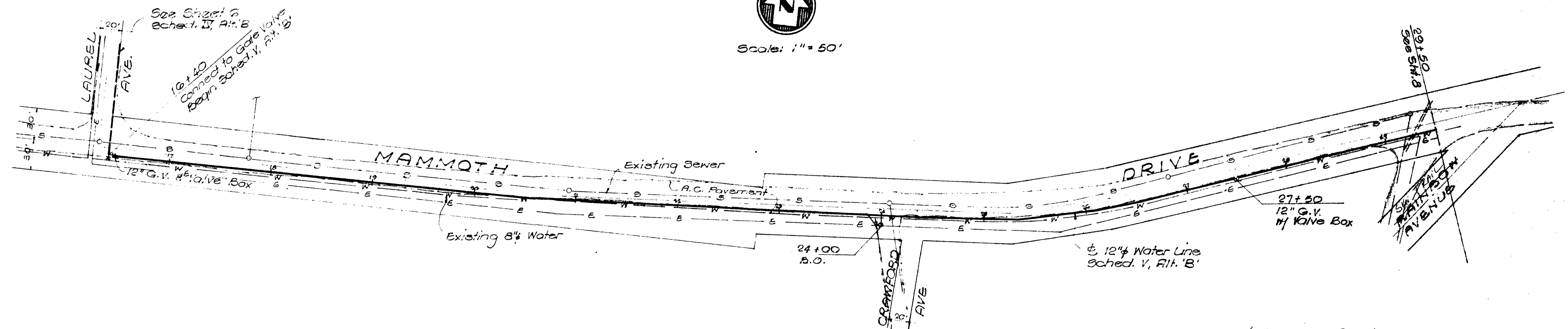
SHEET 4 OF 23



Scale
 Horz. 1" = 50'
 Vert. 1" = 5'



Scale: 1" = 50'



NOTE: Locate water line on shoulder,
 3' from edge of pavement.

AS BUILT
 DATE 9/29/79

JOB NO. 247		DATE 4/12/78	
DRAWN RC		DATE 4/16/78	
CHECKED d.f.p.		DATE 4/12/78	
NO.	DATE	DESCRIPTION	BY
REVISIONS			

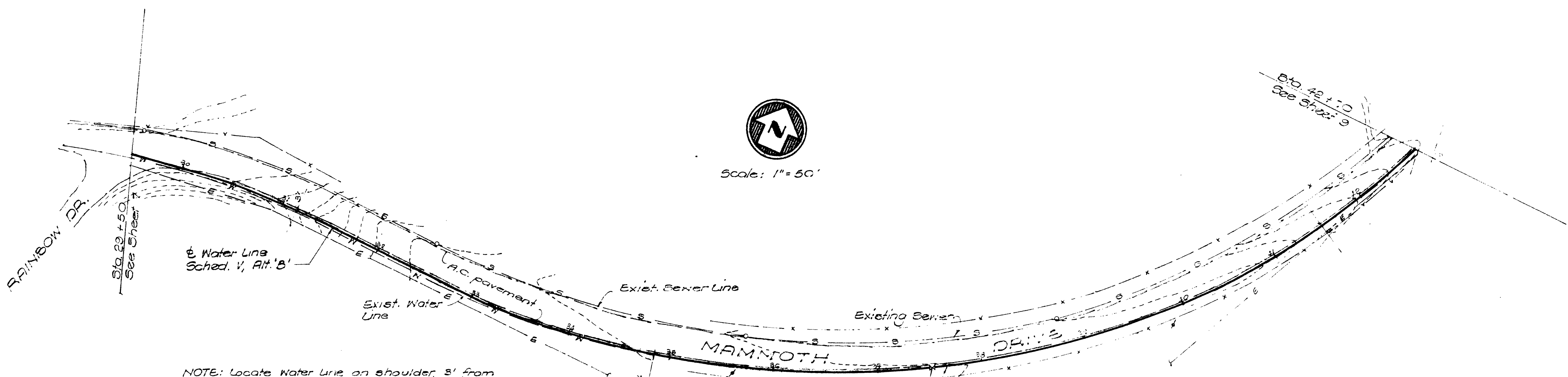
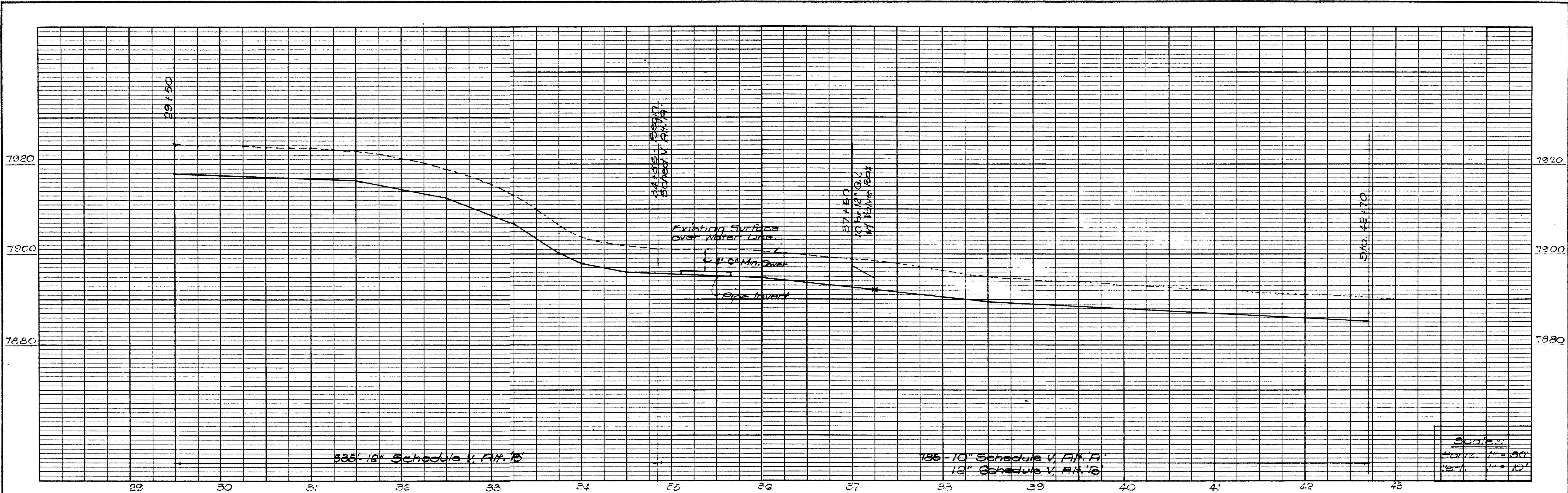


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 ENVIRONMENTAL SYSTEMS

SCHEDULE V
 TRANSMISSION LINE - STA 16+40 TO STA 29+50

10281

SHEET 7
 OF 23



NOTE: Locate Water Line on shoulder, 3' from the edge of pavement

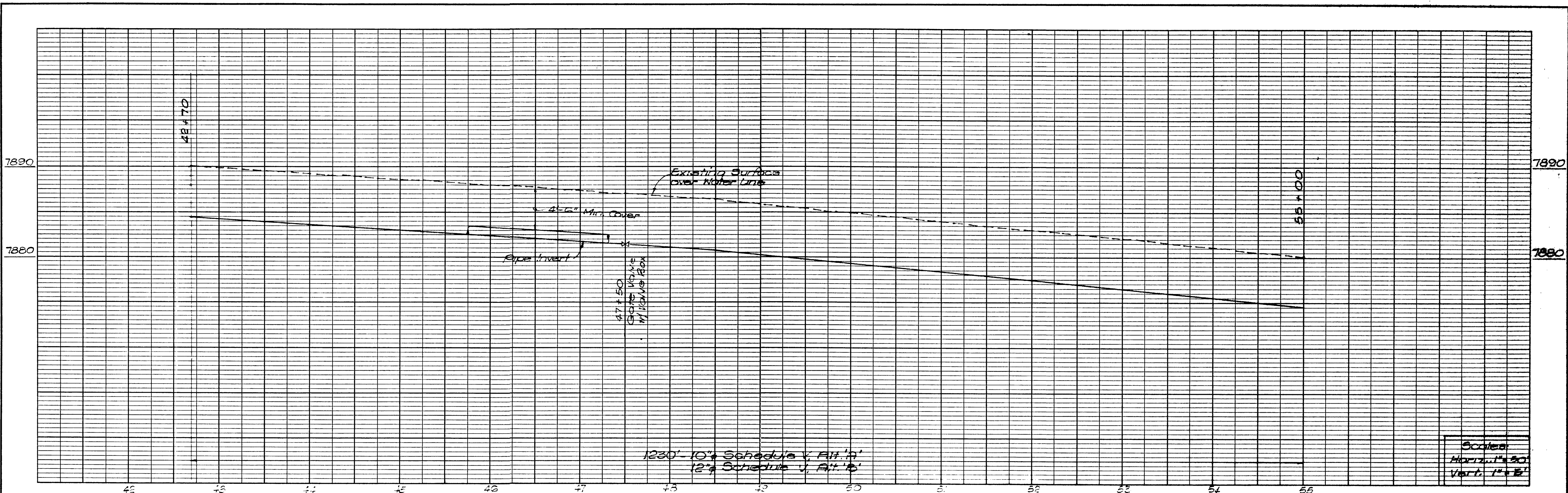
AS BUILT
DATE 9/29/79

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DRAWN J.C.C.		DATE 12, 512	
CHECKED d.c.p.		DATE 4/2/78	

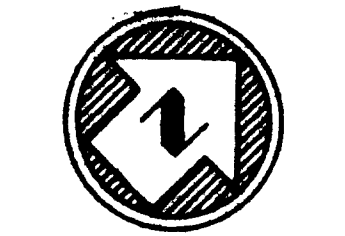
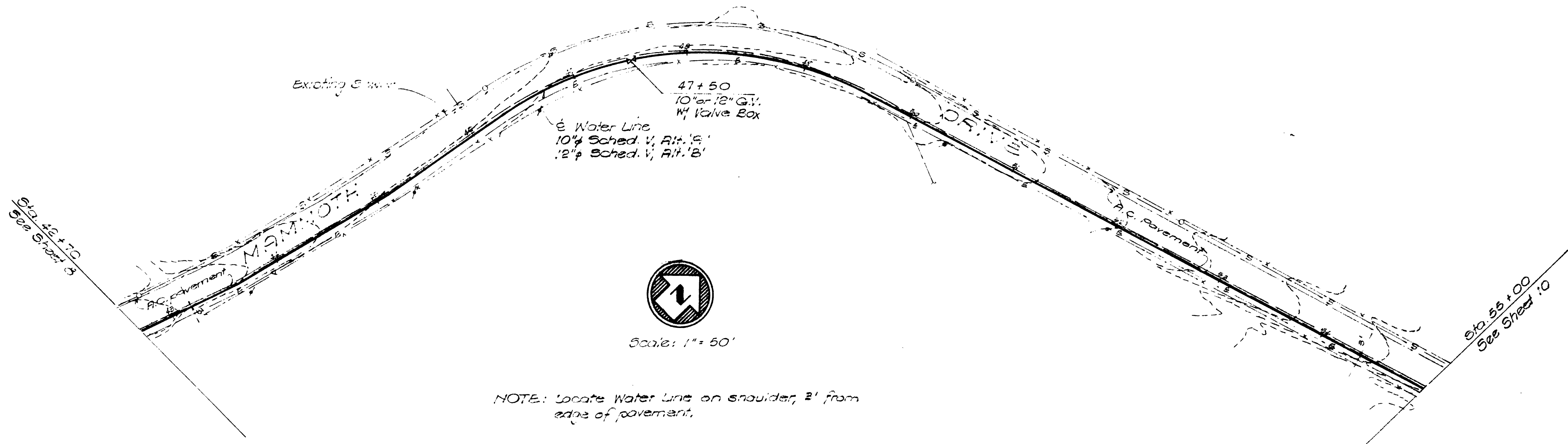


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1000 SHAW WILMONT STREET/SUITE 222/PALO ALTO, CALIFORNIA 94304/PHONE (415) 881-0291

SCHEDULE V
TRANSMISSION LINE - STA 29+50 to STA 42+70



Scale:
 Horiz. 1" = 50'
 Vert. 1" = 2'



Scale: 1" = 50'

NOTE: Locate Water Line on shoulder, 2' from edge of pavement.

AS BUILT
 DATE 9/29/79

NO.	DATE	DESCRIPTION	BY
REVISIONS			

JOB NO. 247	DATE 4/14/78
DRAWN b.c.	CHECKED d.j.c.
DATE 4/14/78	DATE 4/14/78

[Signature]
 RCE DATE

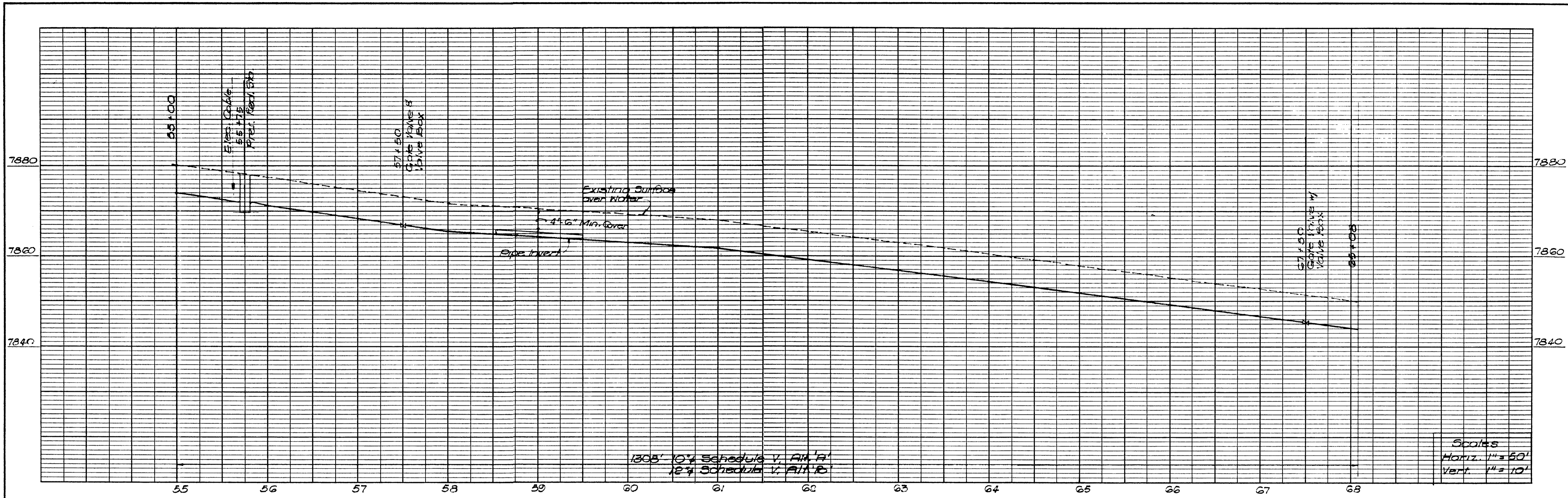


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 ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS

SCHEDULE V
 TRANSMISSION LINE - STA 42+70 to STA 55+00

10283

SHEET 9 OF 23



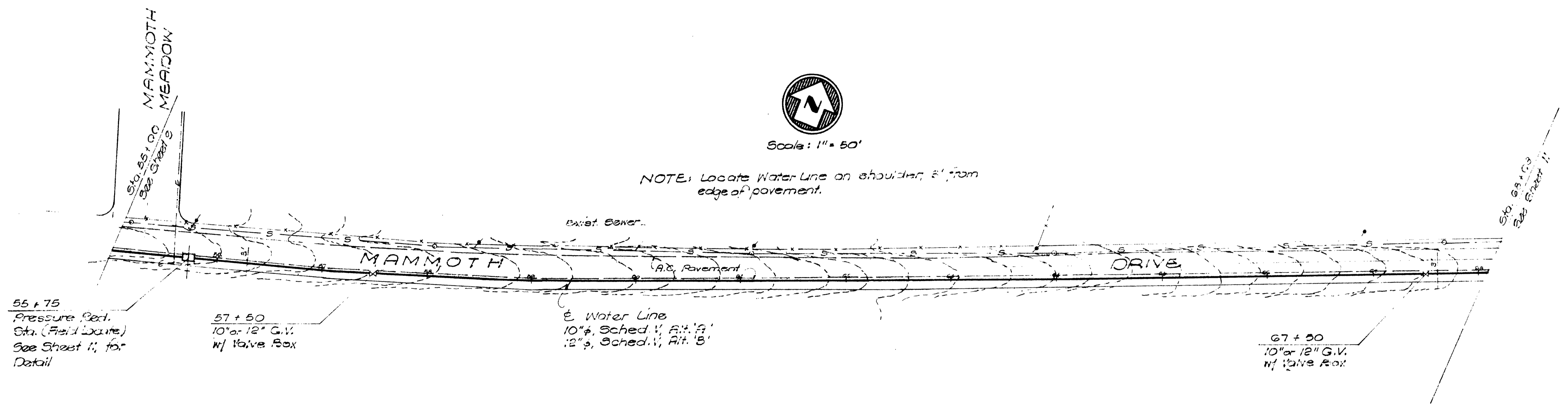
1305' 10" Schedule V, A.I.A.
12" Schedule V, A.I.A.

Scales
Horiz. 1" = 50'
Vert. 1" = 10'



Scale: 1" = 50'

NOTE: Locate Water Line on shoulder, 5' from edge of pavement.



55 + 75
Pressure Red.
Sta. (Field Locate)
See Sheet II, for
Detail

57 + 50
10" x 12" G.V.
w/ Valve Box

Water Line
10" Sched. V, A.I.A.
12" Sched. V, A.I.A.

67 + 50
10" x 12" G.V.
w/ Valve Box

AS BUILT

DATE 7/5/77

NO.	DATE	DESCRIPTION	BY

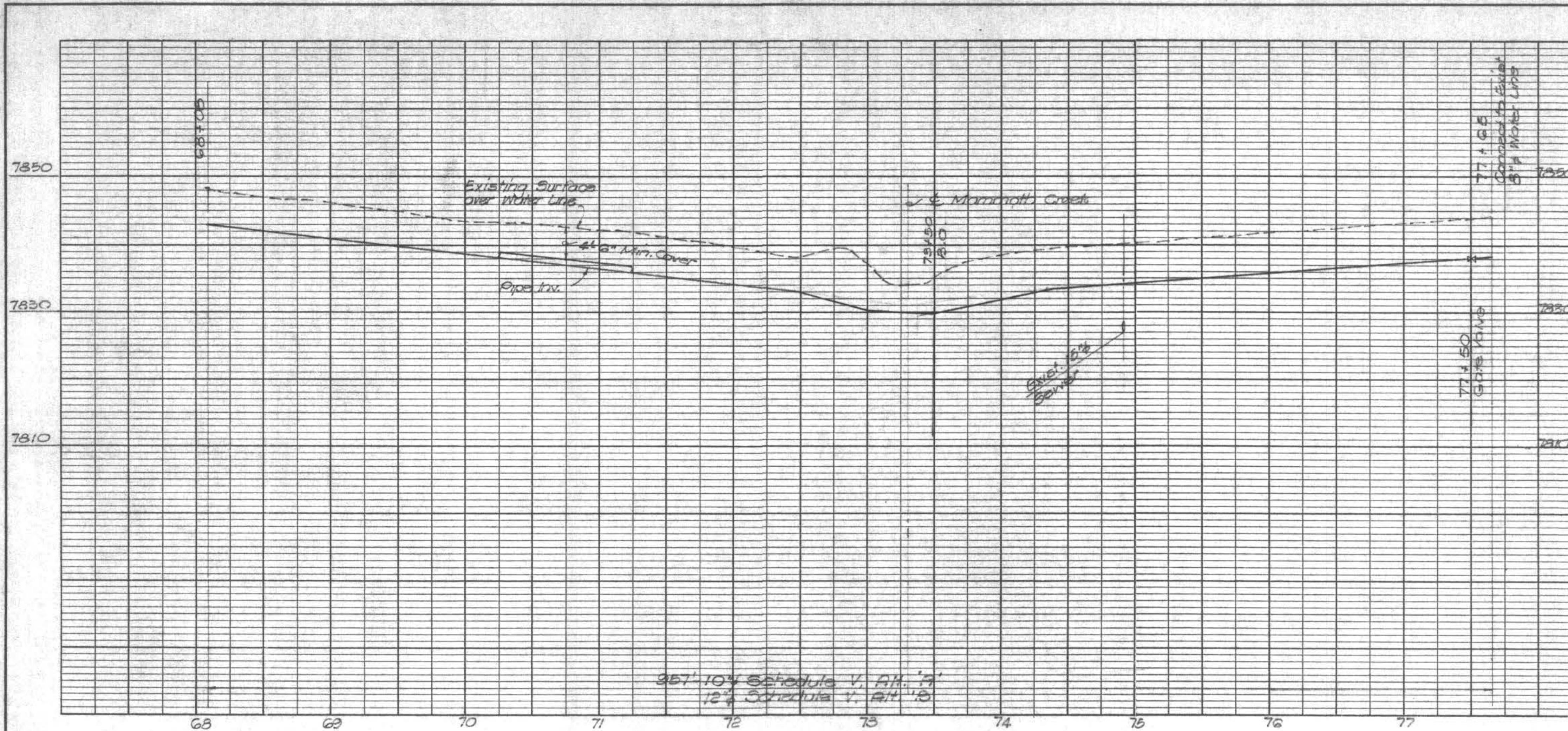
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DRAWN KC	CHECKED d.f.p.	DATE 4/18/73



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ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS

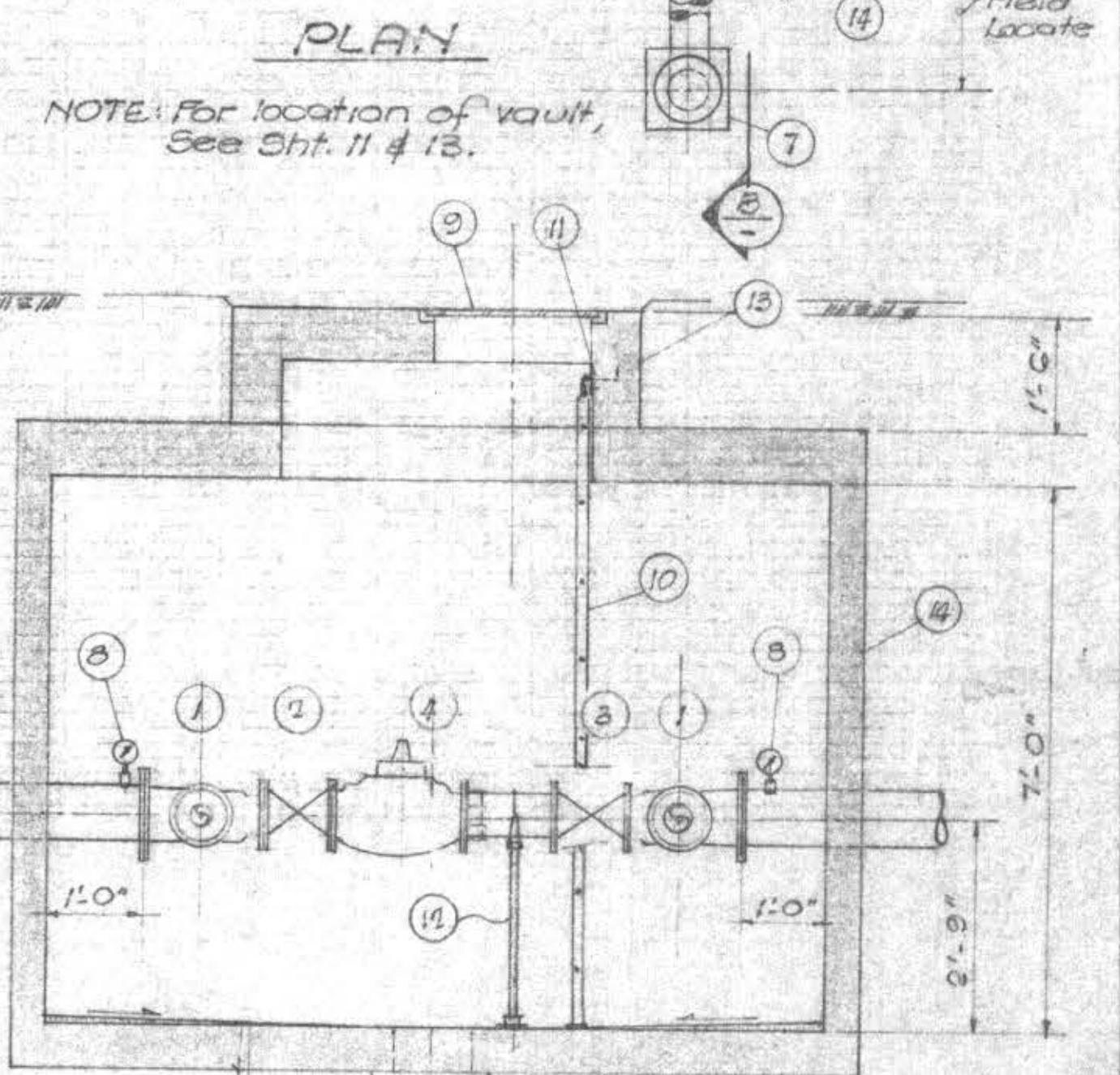
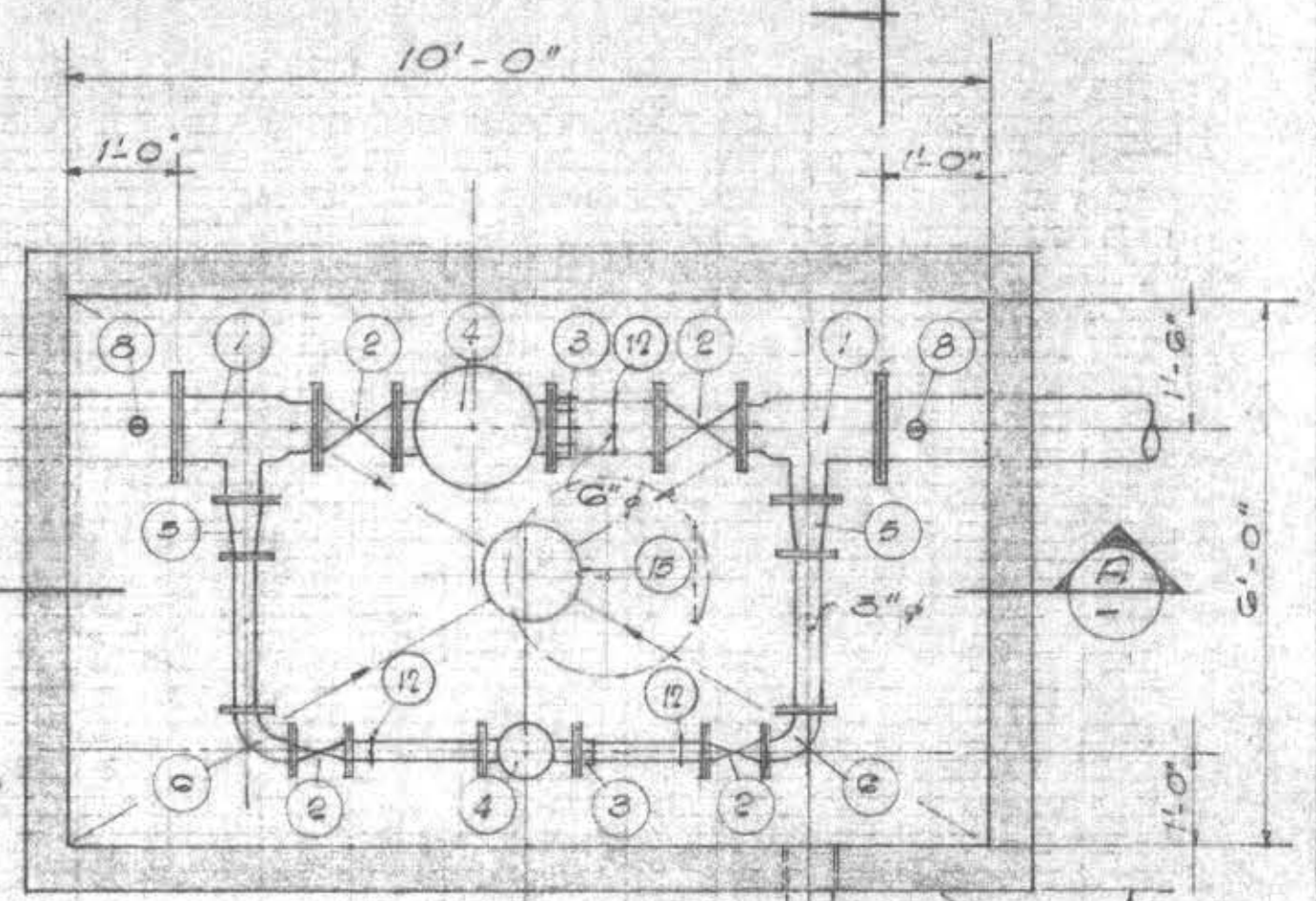
SCHEDULE V
TRANSMISSION LINE - STA 55+00 TO STA 68+00

10284
SHEET
10
OF
23



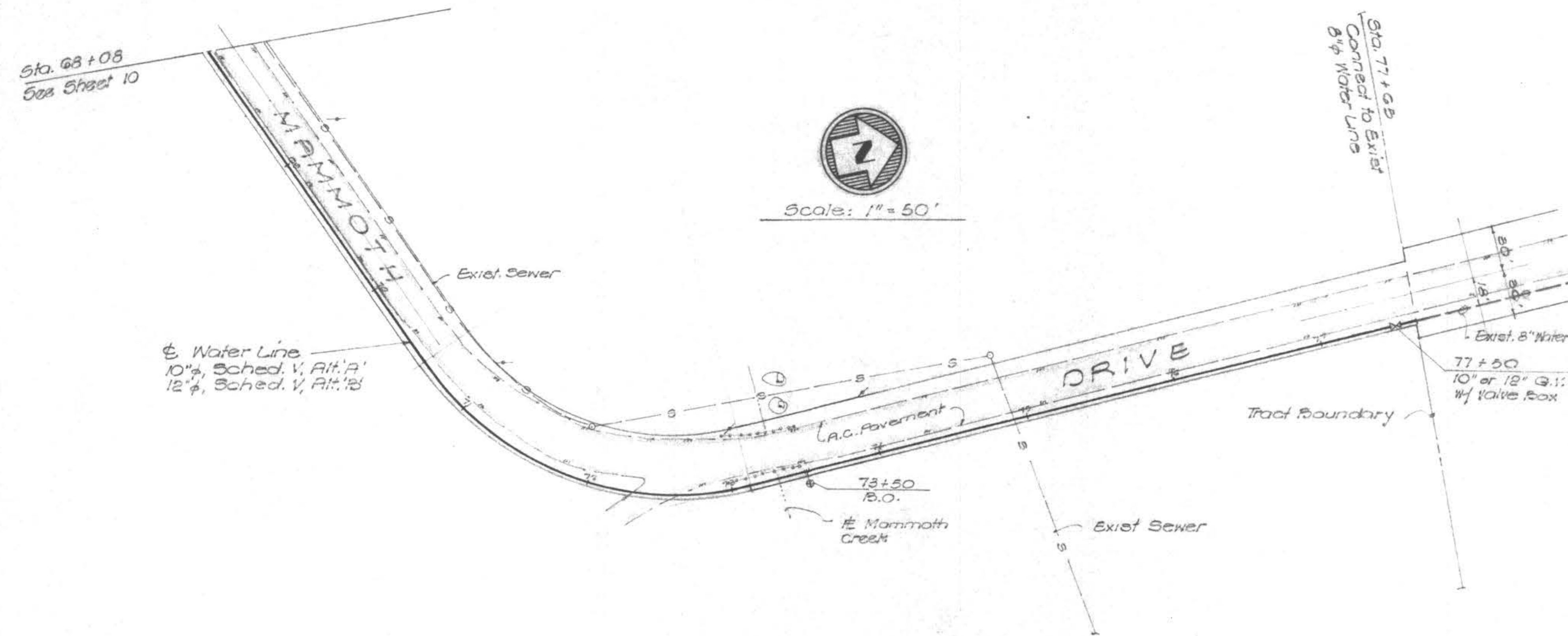
LEGEND - SCHED. VI

- 1 8" x 6" x 4" Reducing Tee
- 2 Gate Valve (per line size) w/ Handwheel
- 3 Flanged Coupling Adaptor Smith Blair Type 912
- 4 Pressure Reducing Valve, Clayton Fig 90.01A or 01A16 (6"), Fig 90.01A or 01A16
- 5 4" x 8" Reducer
- 6 3" 90° Bend
- 7 Vent - Alhambra Foundry A. 215B, Mushroom Head Galvanized
- 8 Pressure Gauge - 4 1/2" Dial Face, 0-200 psi, Upstream, Marsh 5454, 0-100 psi, Downstream, Marsh 5443
- 9 Lid & Ring, Alhambra Foundry A. 1105
- 10 Vault Ladder, Alhambra Foundry A. 3382
- 11 Ladder Support - Alhambra Foundry A. 3385
- 12 Pipe Support w/ Riser Pipe & Flange, Grinnell Fig. 252
- 13 4'-0" x 4'-0" Vault Necking Quickset PVN-4843
- 14 6'-0" x 10'-0" Vault Sections Quickset - PV. 650
- 15 12" x 8" Sump (Sched. VI only)



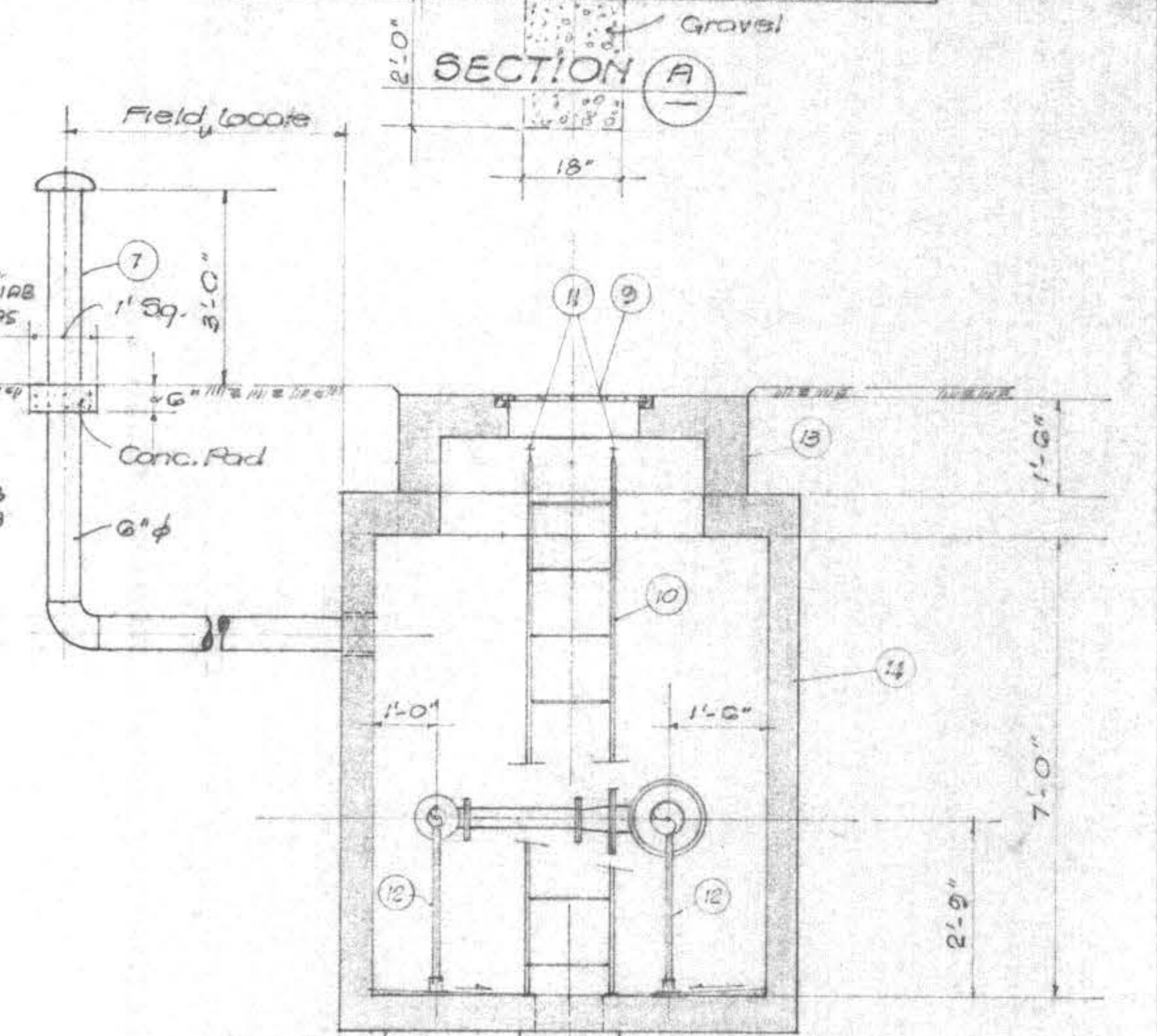
Scales
 Horiz. 1" = 50'
 Vert. 1" = 10'

357 10" Schedule V, Alt. 'A'
 12" Schedule V, Alt. 'B'



LEGEND - SCHED. V

- 1 10" x 8" x 4" Reducing Tee
- 2 Gate Valve (per line size)
- 3 Flanged Coupling Adaptor (per line size) Smith Blair Type 912
- 4 Pressure Reducing Valve w/ 20 psi to 300 psi adjustment range, 8" main line valve to be Fig. 90.01A or 01A16, 3" by-pass valve to be Fig. 90.01A or 01A16
- 5 4" x 8" Reducer
- 6 3" 90° Bend
- 7 Vent
- 8 Pressure Gauge - 4 1/2" Dial Face, 0-300 psi, Upstream, Marsh 5453, 0-100 psi, Downstream, Marsh 5443
- 9 Lid & Ring, Alhambra A. 1105
- 10 Vault Ladder, Alhambra A. 3382
- 11 Ladder Support, Alhambra A. 3385
- 12 Pipe Support w/ Riser Pipe & Flange, Grinnell Fig. 252
- 13 4'-0" x 4'-0" Vault Necking Quickset PVN-4843
- 14 6'-0" x 10'-0" Vault Sections Quickset - PV. 650

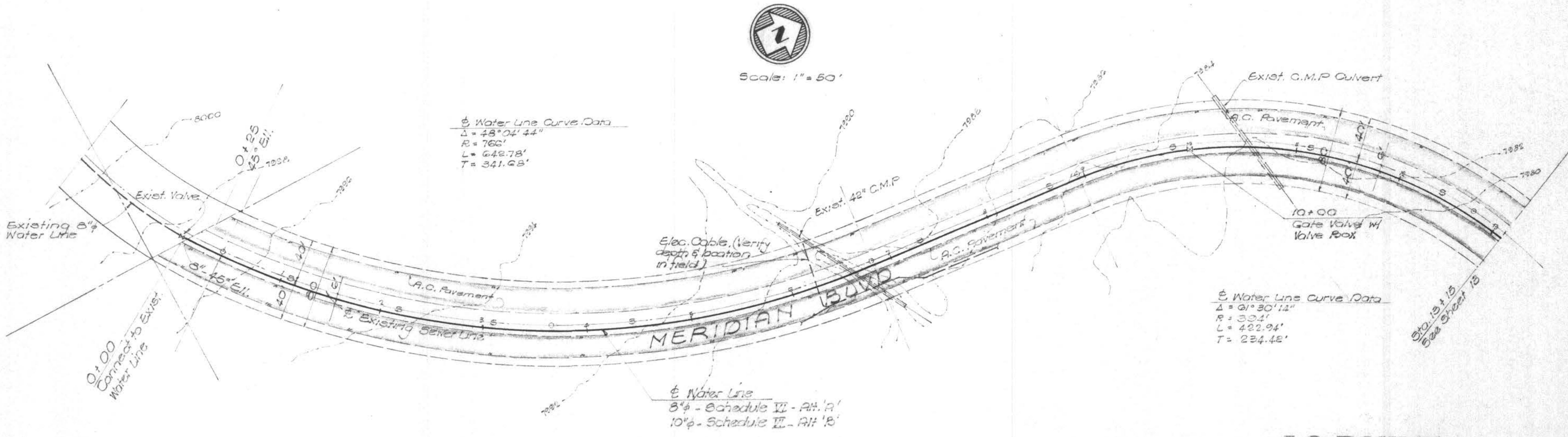
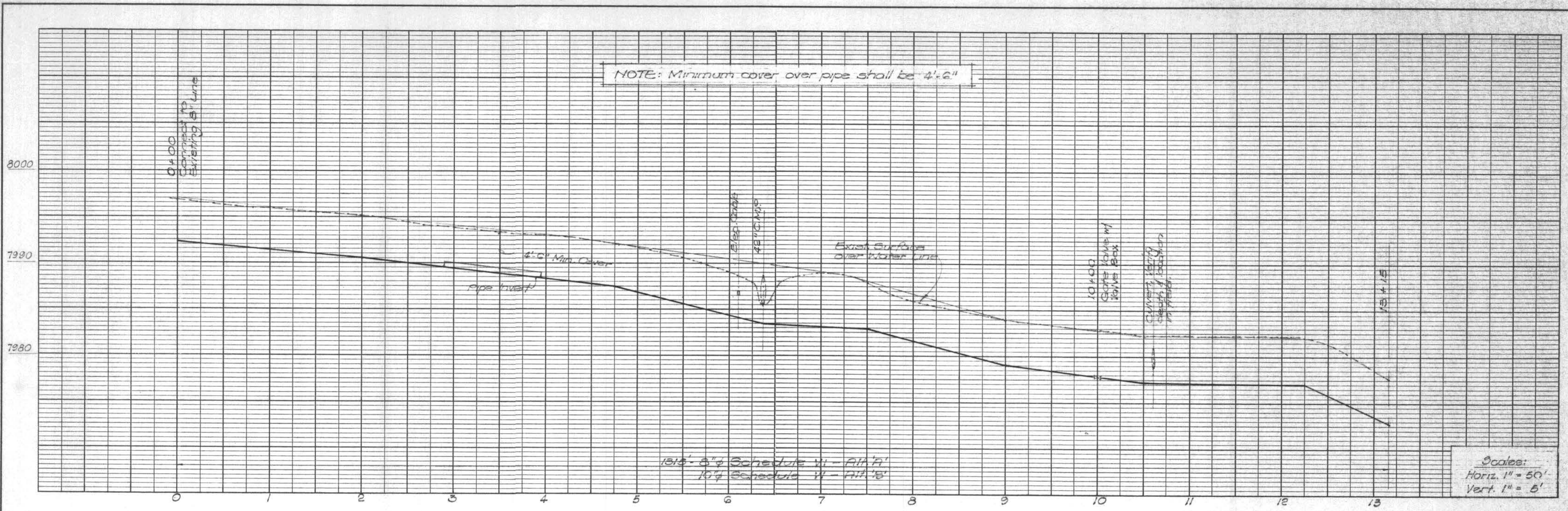


AS BUILT
 DATE 9/29/79

PRESSURE REDUCING VAULT
 1/2" = 1'-0"
 SCHEDULE V & VI

JOB NO. 247		DATE 4/12/78	
DRAWN k.c.	CHECKED d.t.c.	DATE 4/12/78	DATE 4/12/78
DESCRIPTION		BY	DATE
REVISIONS			

GP **GRAM/PHILLIPS ASSOCIATES, INC.**
 1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 681-0291
 ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS



NOTE: Locate Water Lines in median strip, 4' from edge of pavement.

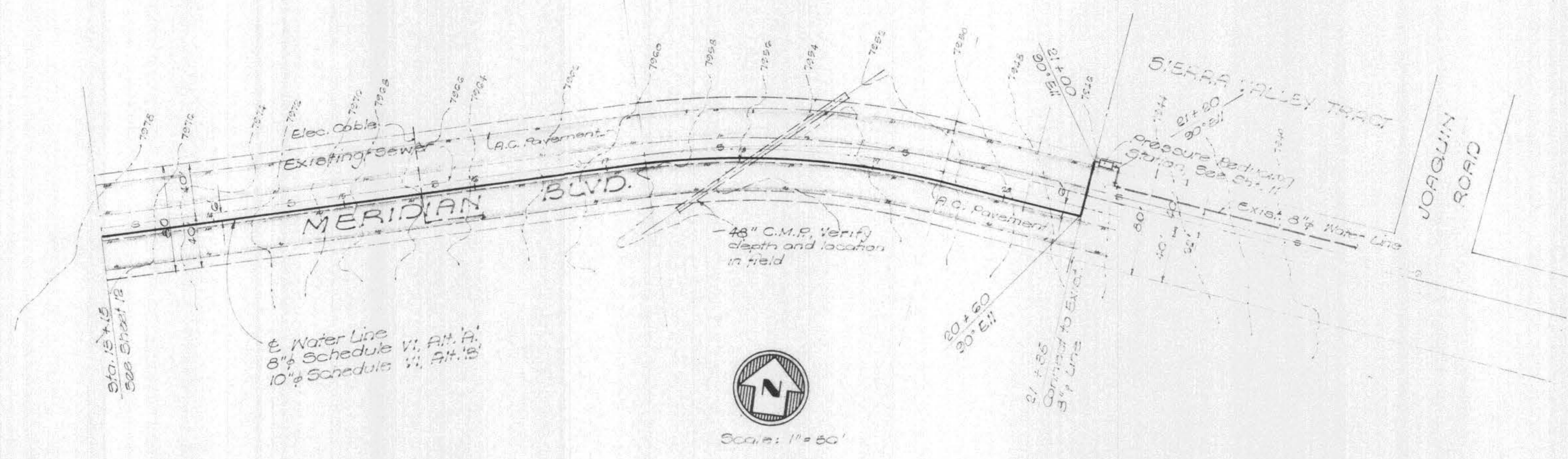
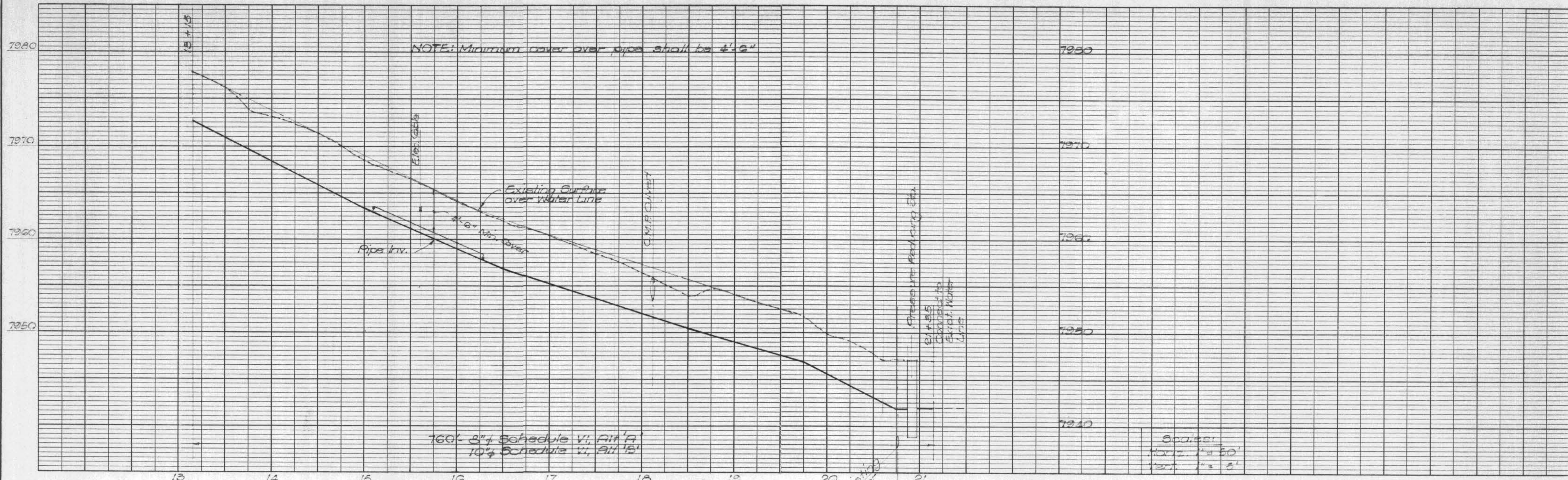
AS BUILT
DATE 9/29/79

JOB NO. 847		DATE 4/14/78	
DRAWN b.c.		DATE 4/14/78	
CHECKED d.p.		DATE 4/14/78	

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 1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 681-0291
 ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS

SCHEDULE VI
TRANSMISSION LINE - STA 0+00 to STA 13+15

3/74 DIETRICH-POST CLEARPRINT 1000H



JOB NO. 247		DATE 4/14/78	
DRAWN B.C.		DATE 4/14/78	
CHECKED d.f.p.		DATE 4/14/78	

H. Phillips 4/14/78
 RCE 12, E12 DATE



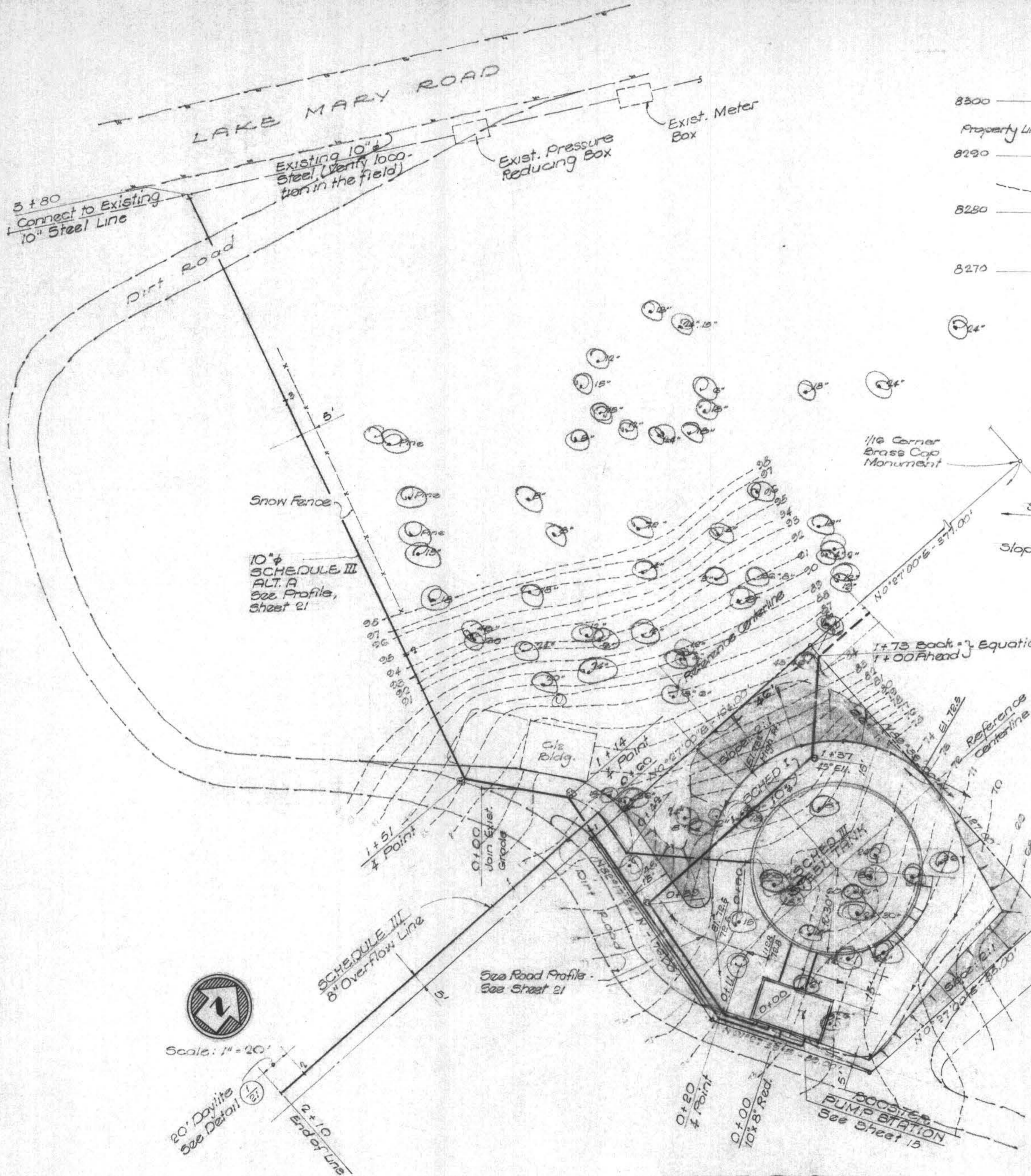
GRAM/PHILLIPS ASSOCIATES, INC.
 1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 681-0291
 ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS

AS BUILT

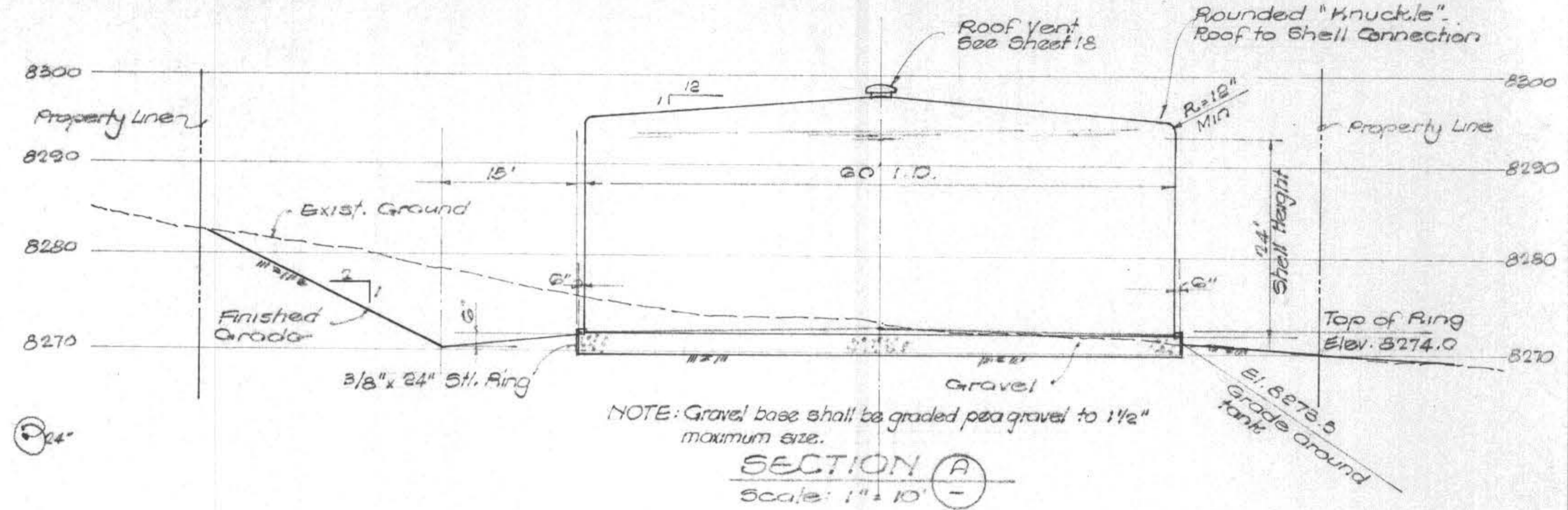
DATE 9/29/72

SCHEDULE VI
TRANSMISSION LINE - STA. 13+15 to STA. 20+75

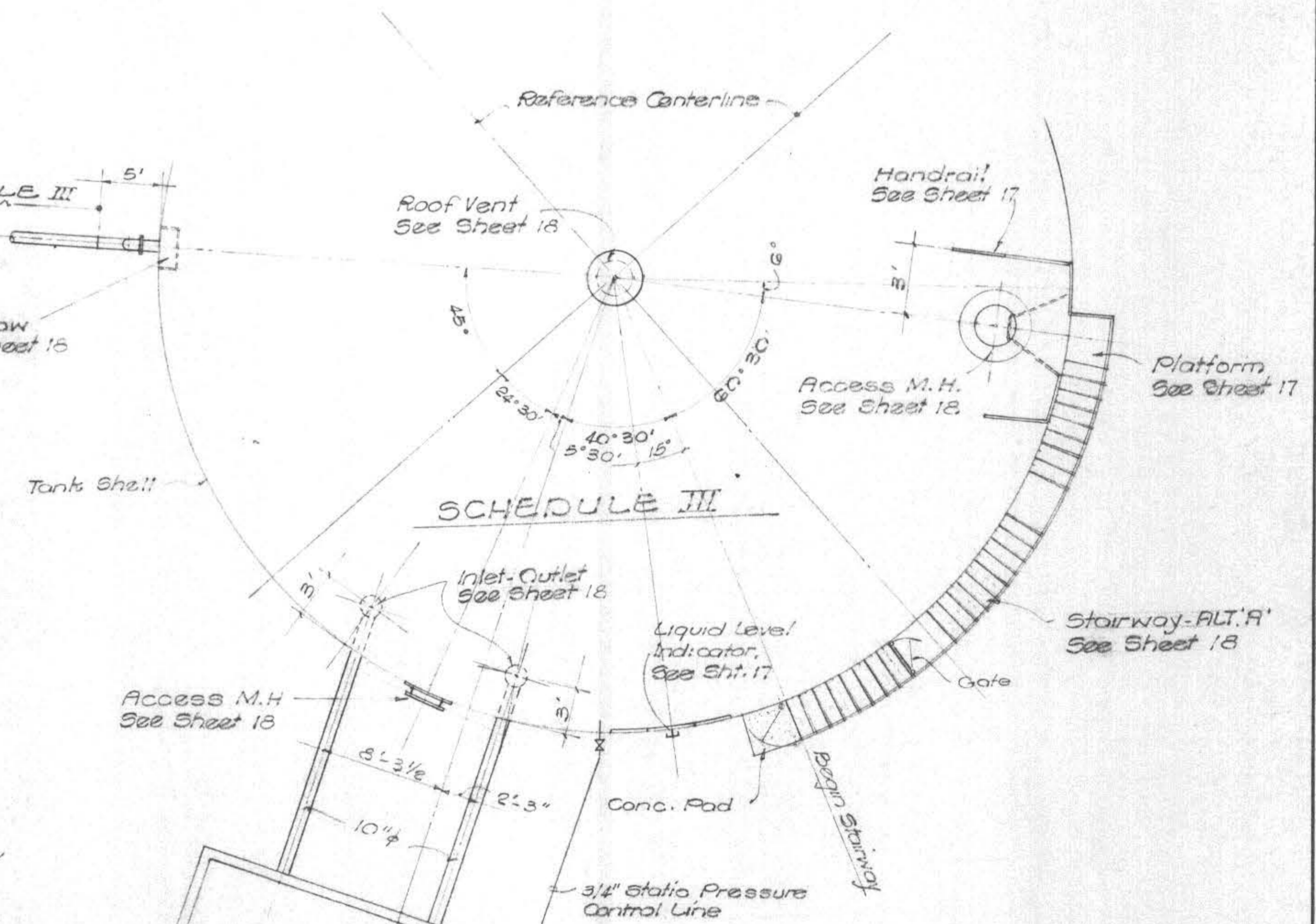
3/74 DIETRICH-POST CLEARPRINT 1000H



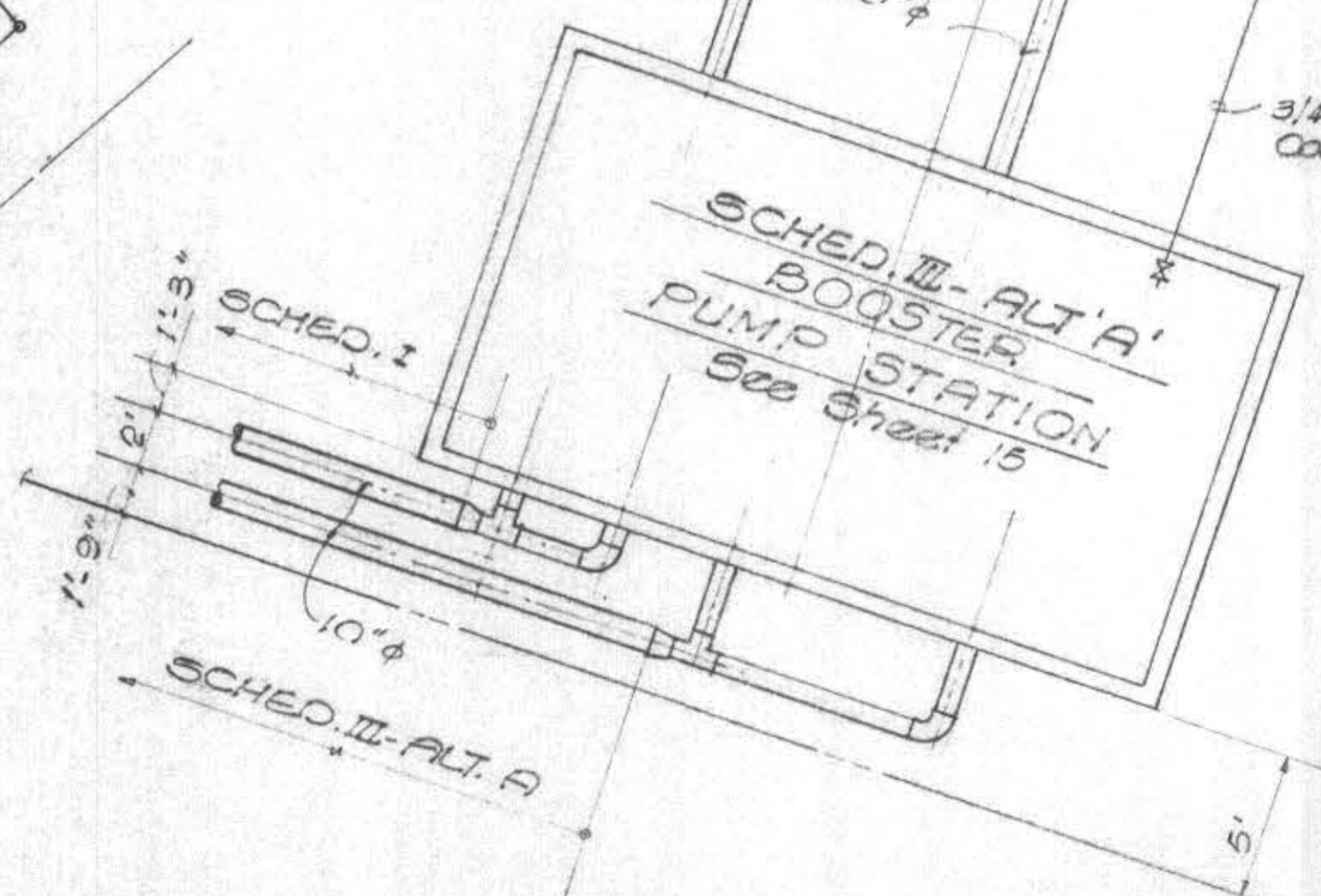
SITE PLAN



SECTION A
Scale: 1" = 10'



TANK ACCESSORIES
Scale: 1" = 6'



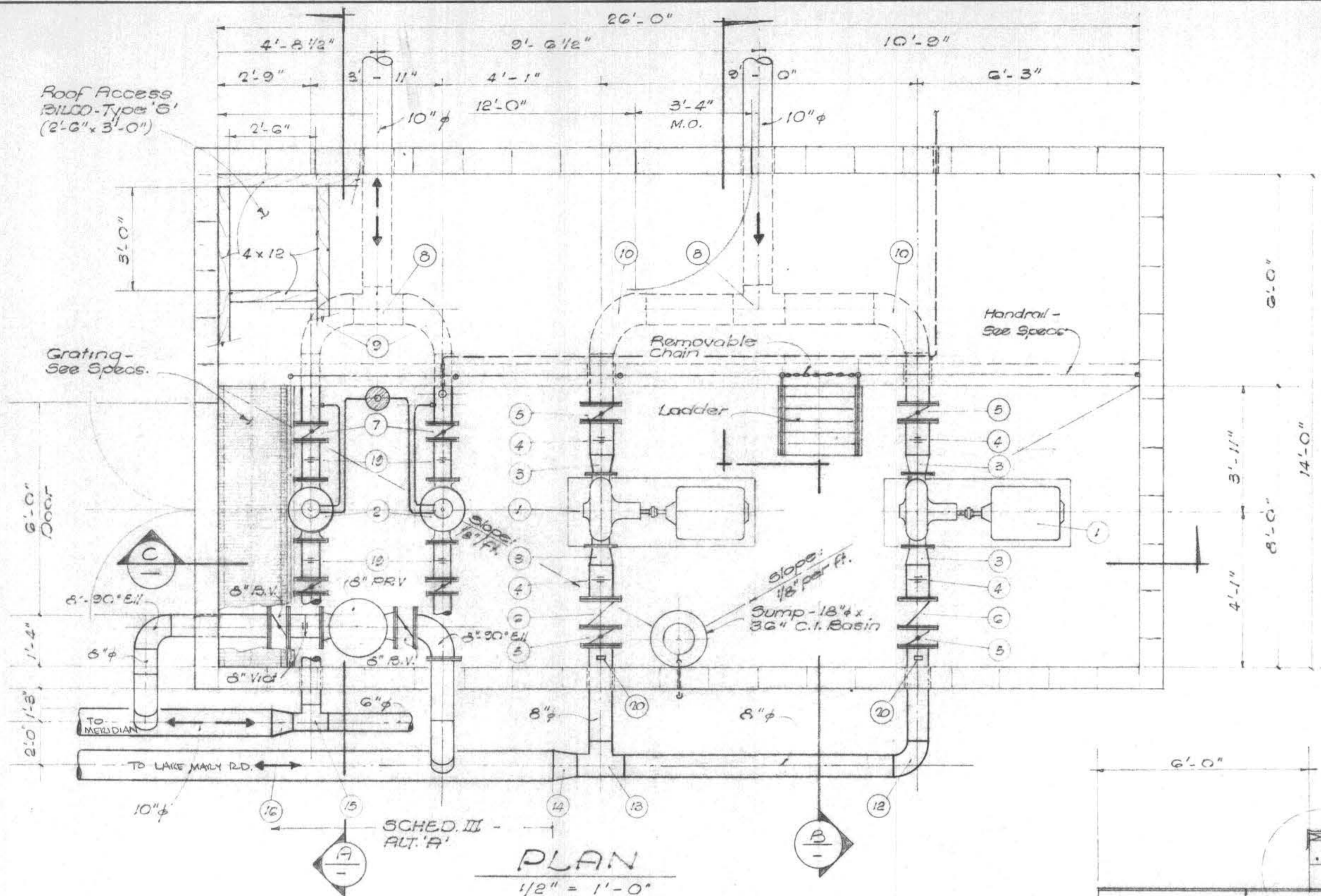
AS BUILT
DATE 9/28/79

JOB NO.	247
DRAWN	bc
DATE	11/7/77
DATE	13,512
DATE	4/18/78

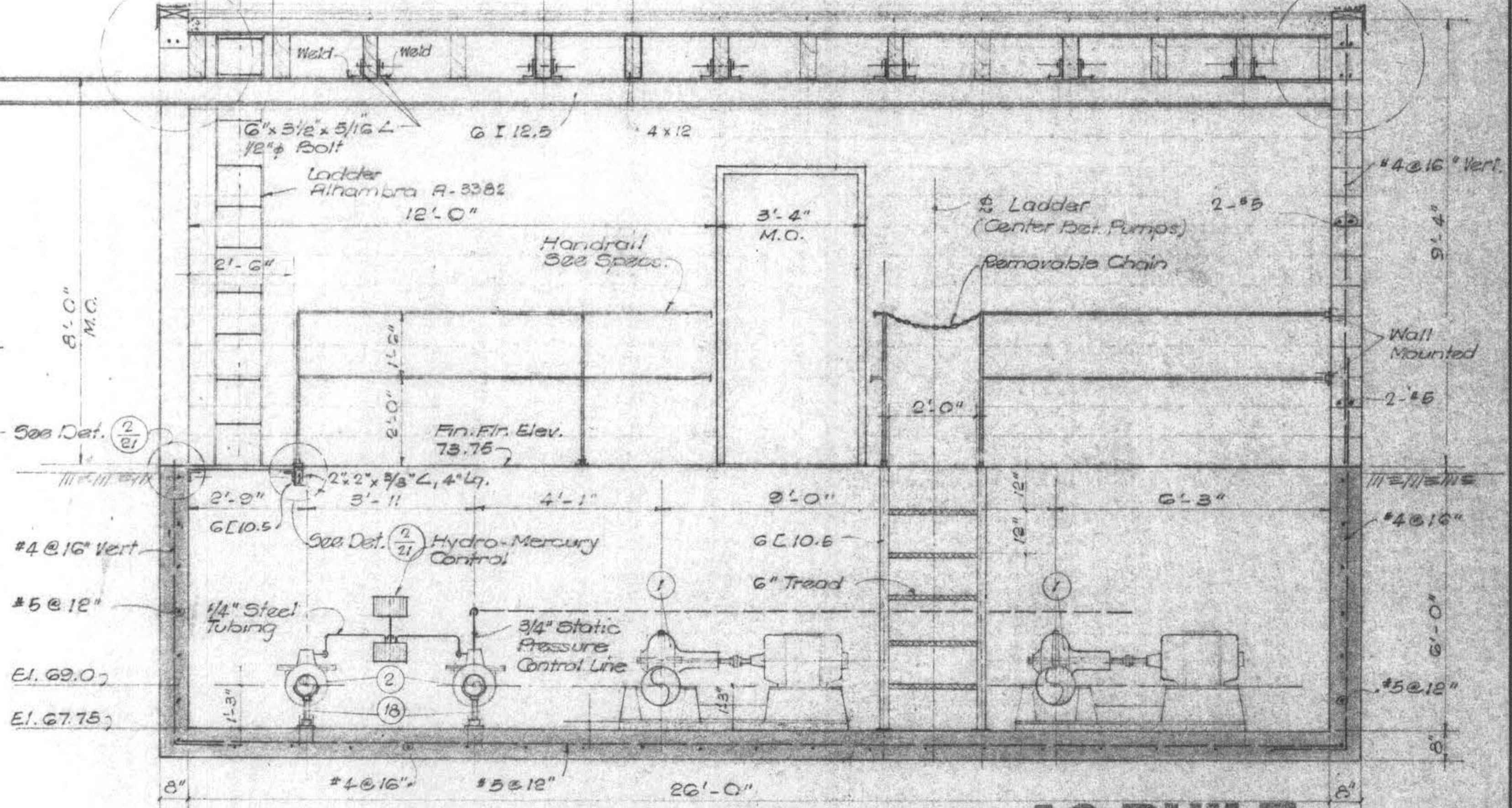
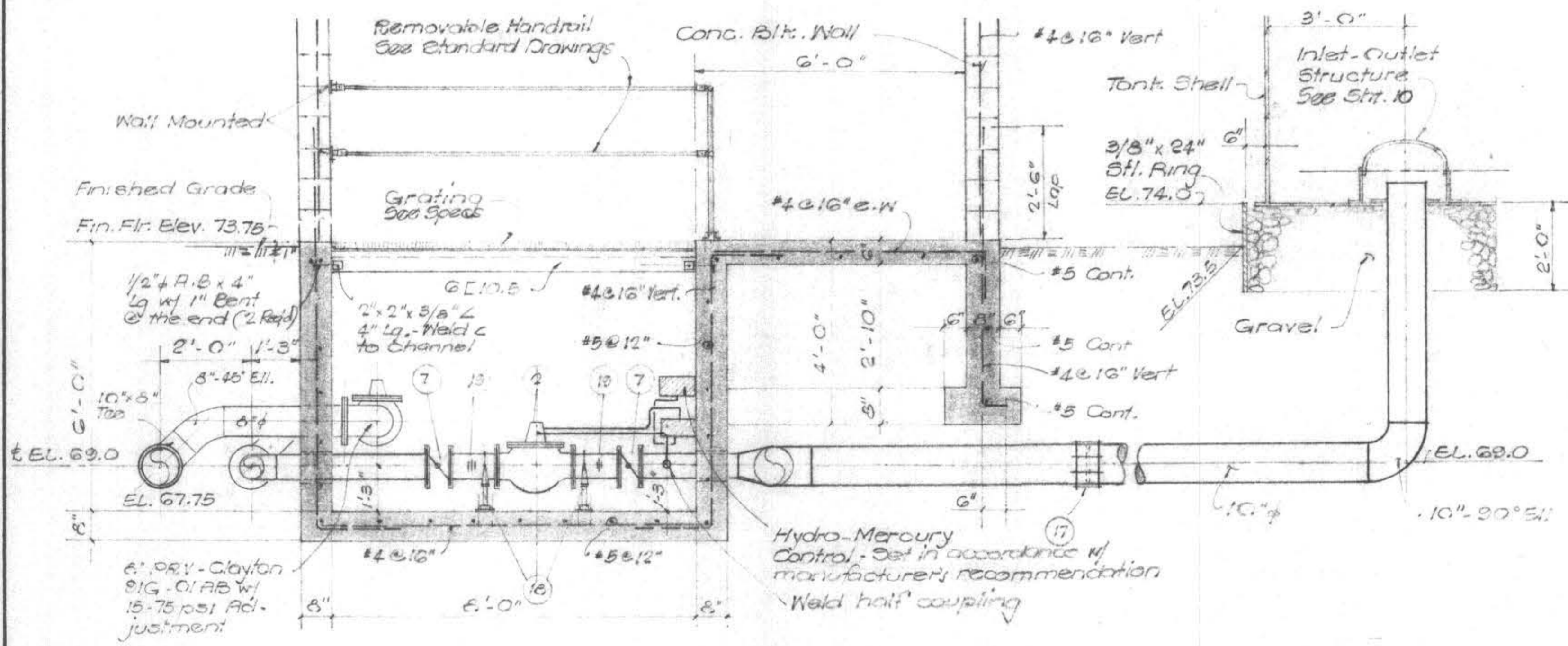
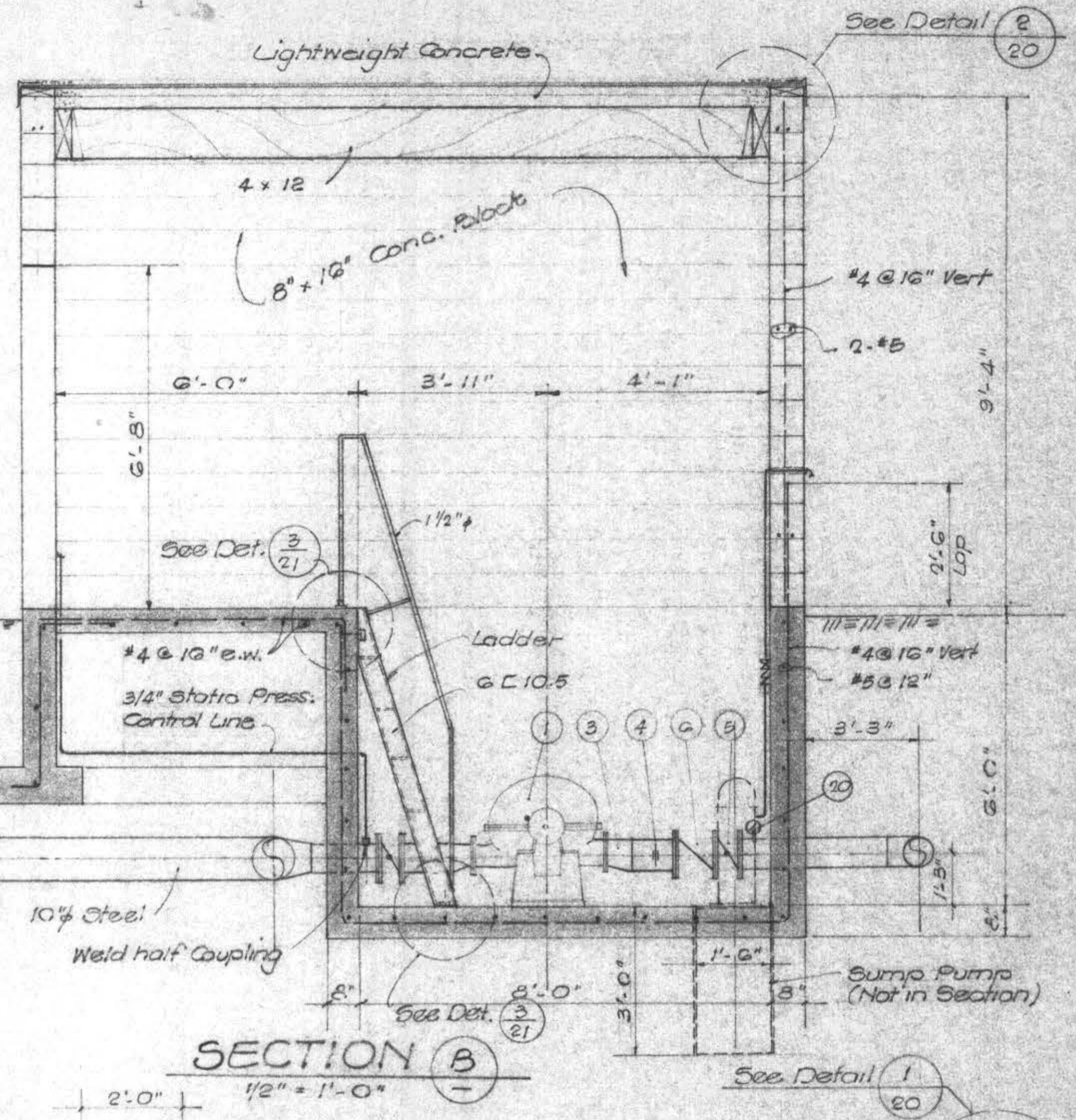


GRAM/PHILLIPS ASSOCIATES, INC.
1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 681-0291
ENGINEERING/RESEARCH
ENVIRONMENTAL SYSTEMS

MAMMOTH COUNTY WATER DISTRICT
Mono County, California
SITE PLAN AND MISCELLANEOUS DETAILS



- LEGEND**
- 1 Booster Pump
 - 2 Altitude Valve
 - 3 8" x 6" Ecc. Reducer
 - 4 8" Victaulic Cplg.
 - 5 8" Butterfly Valve
 - 6 8" Check Valve
 - 7 6" Butterfly Valve
 - 8 10" Tee
 - 9 10" x 6" Reducing Eli.
 - 10 10" x 8" Reducing Eli.
 - 11 6" Eli.
 - 12 8" Tee
 - 13 10" x 8" Reducer
 - 14 2" Tee
 - 15 10" x 6" Reducer
 - 16 10" Dresser Cplg.
 - 17 Pipe Support
 - 18 8" Victaulic Cplg.
 - 19 Pressure gauge, 0-200 psi, Marsh Mastergauge 3454 or equal, w/ shutoff cock
 - 20 Sump Pump (Not in Section)



NOTE: Provide hooks on beam directly above valves per Detail 4/20.

AS BUILT

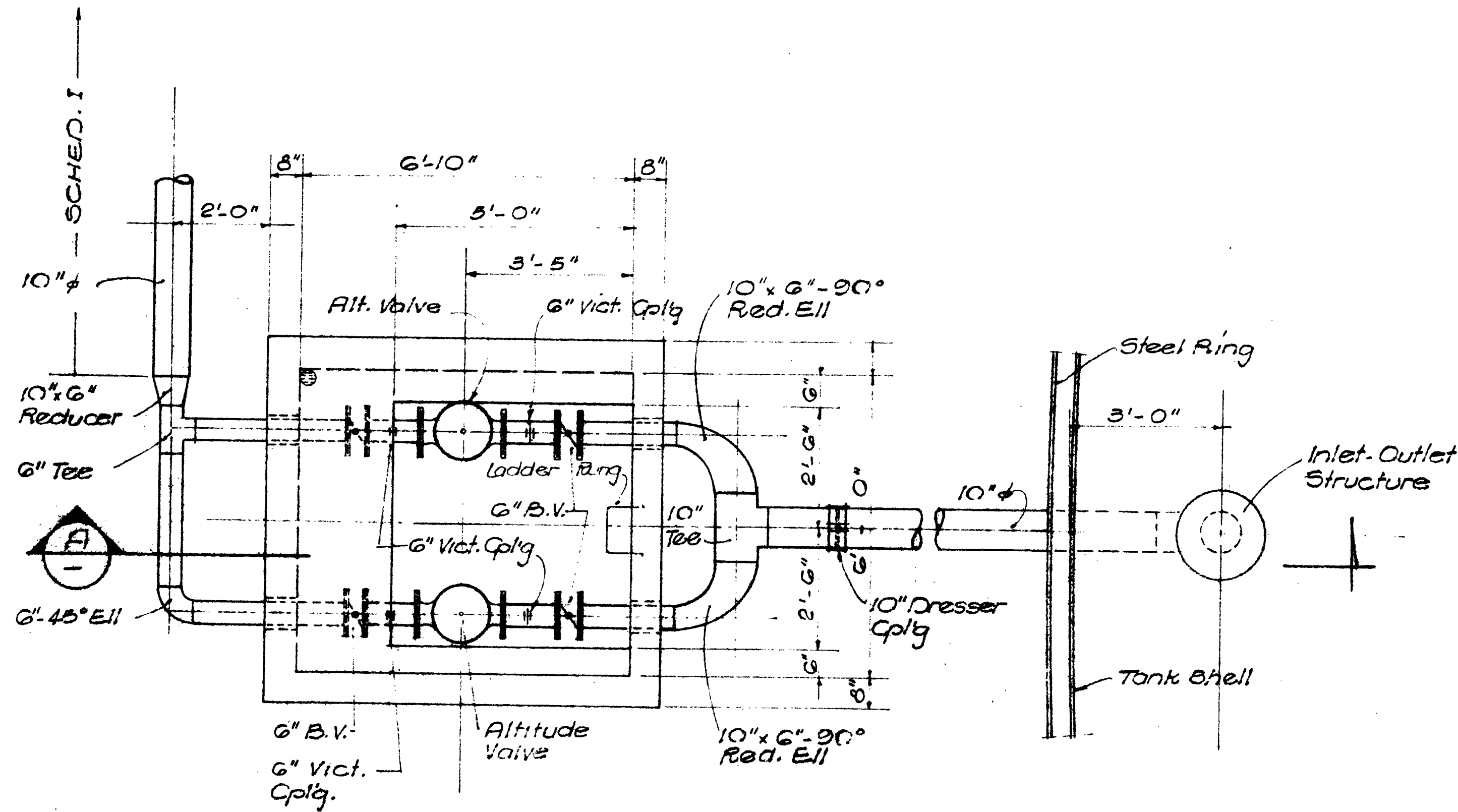
NO.	DATE	DESCRIPTION	BY	CHECKED
		REVISIONS		

JOB NO.	DATE	DATE
247	3/20/78	4/18/78
DRAWN	DATE	DATE
B.C.	13, 3/8	

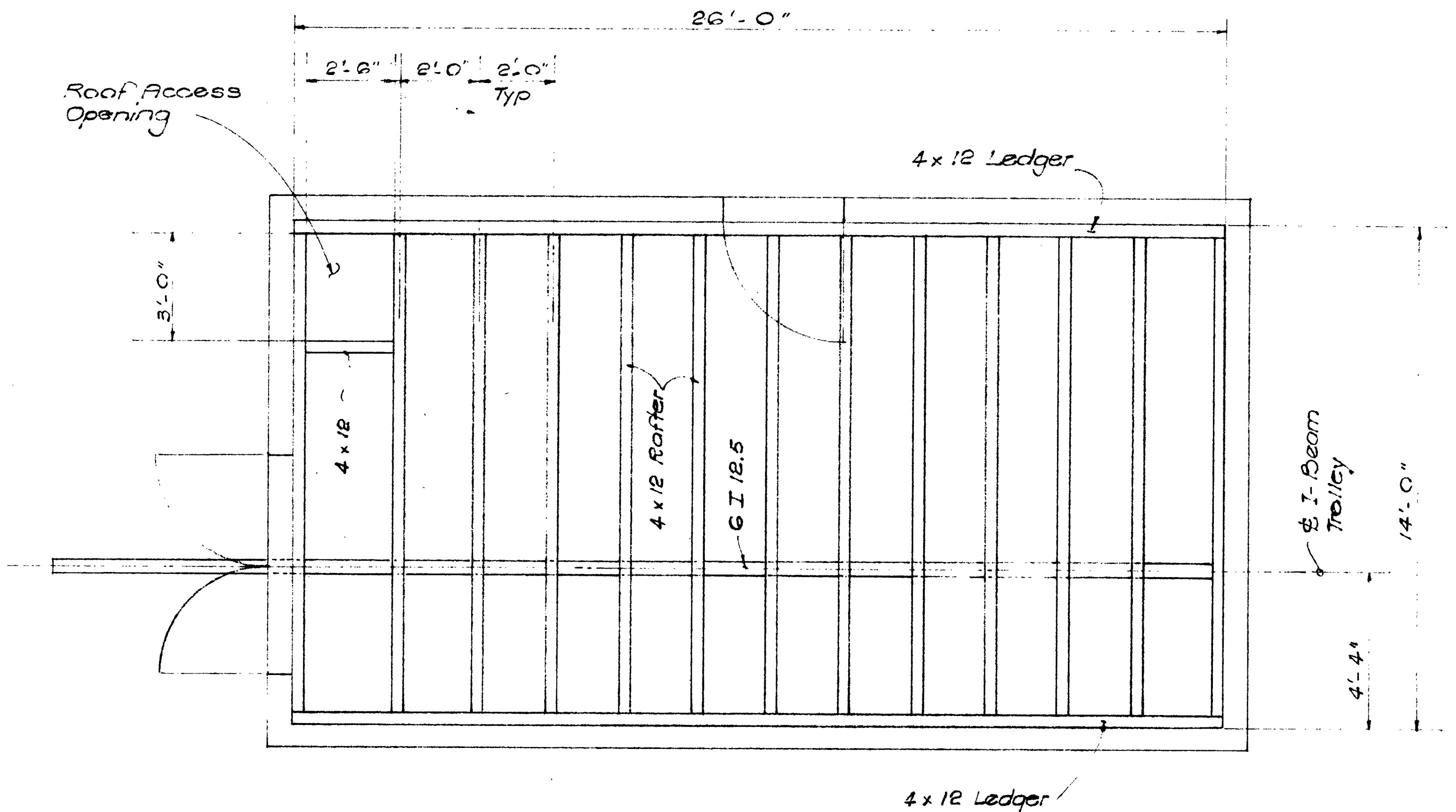
GP **GRAM/PHILLIPS ASSOCIATES, INC.**
 1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 661-0291
 ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS

MAMMOTH COUNTY WATER DISTRICT
 Mono County, California

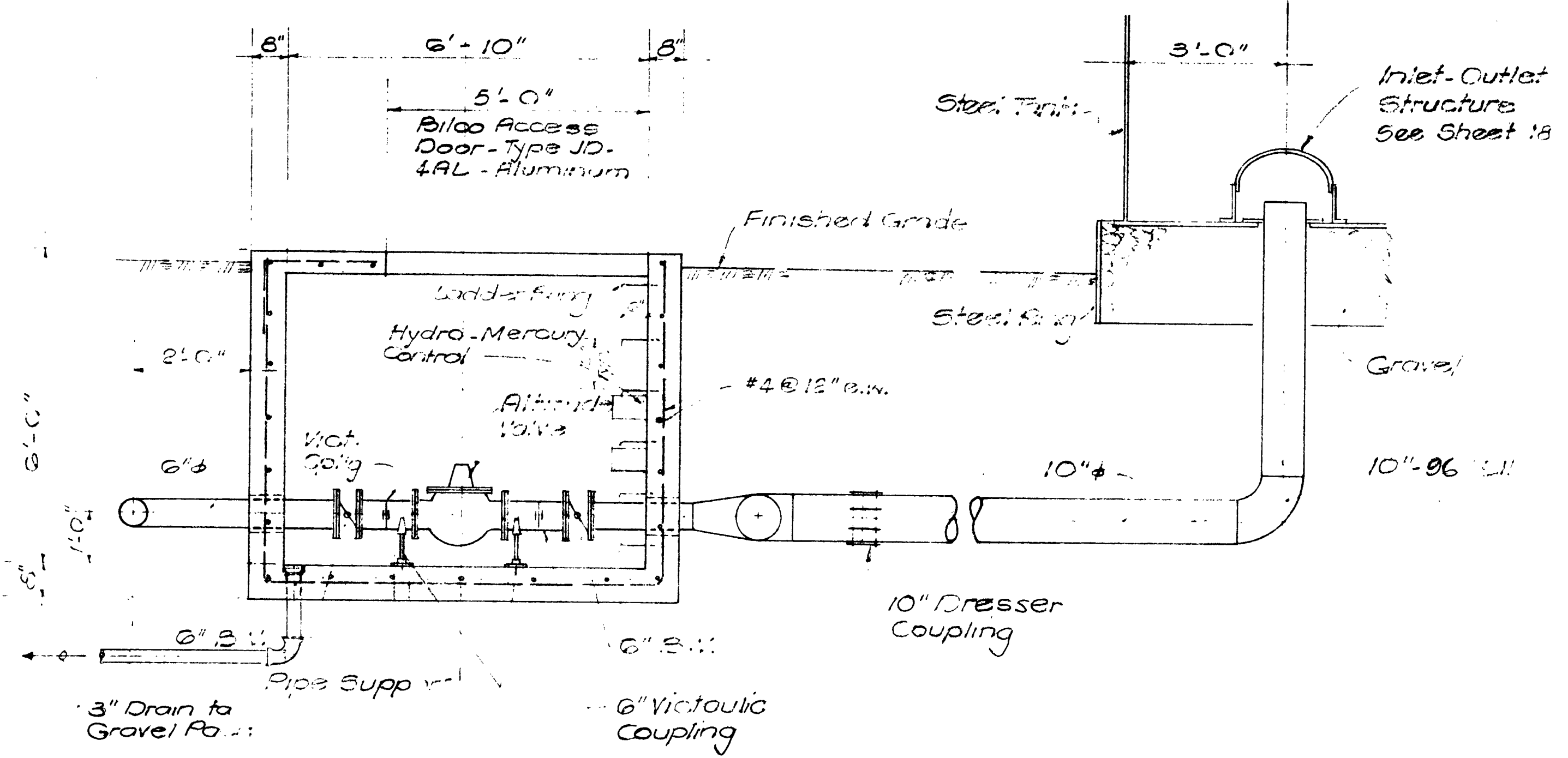
SCHED. III, ALT. 'A'-BOOSTER PUMP STATION DETAILS



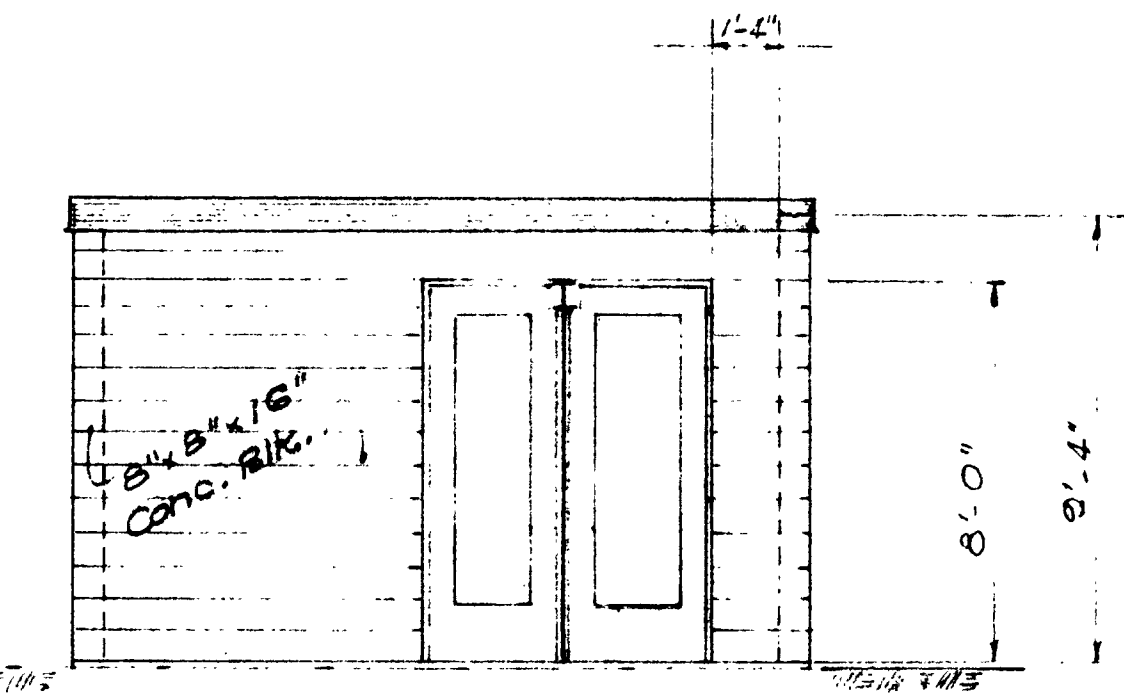
PLAN
1/8" = 1'-0"



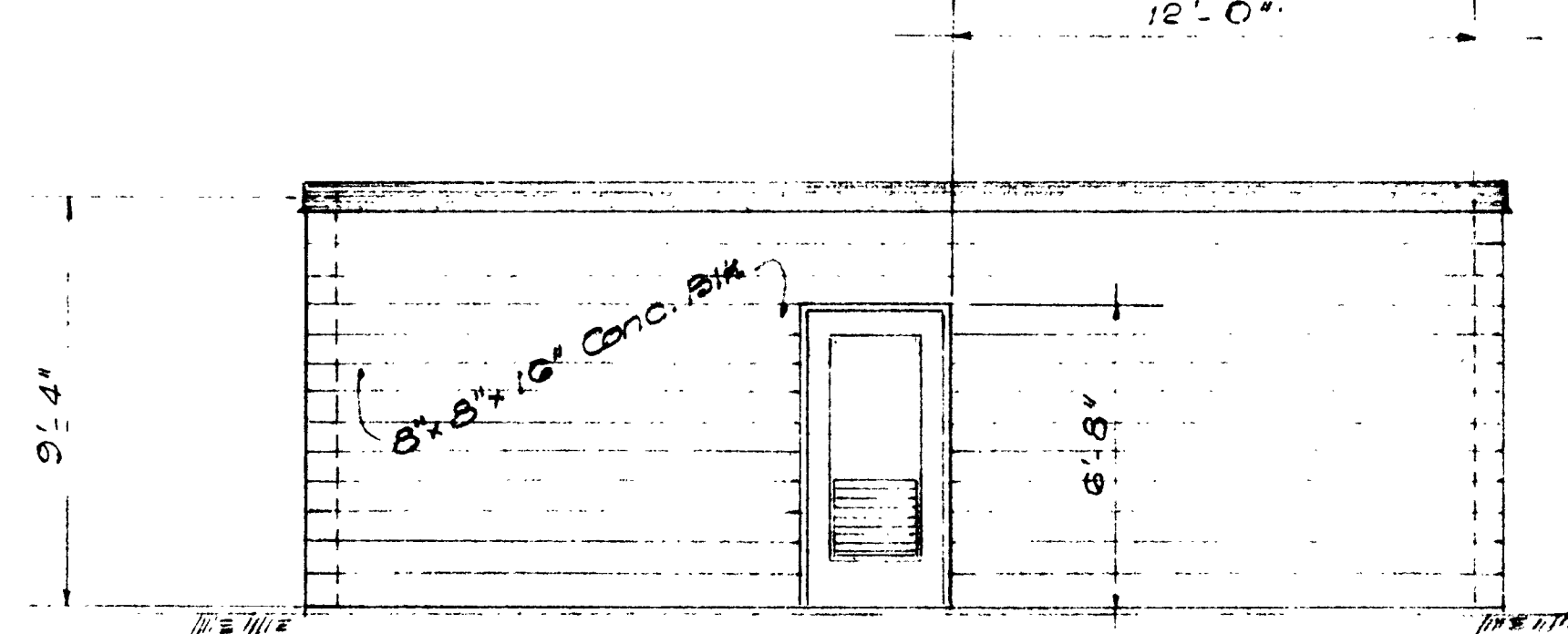
ROOF FRAMING PLAN
(BOOSTER PUMP STATION)
3/8" = 1'-0"



SECTION (A)
1/2" = 1'-0"
VAULT PIPING DETAILS (ALTERNATE B, SCHED. III)



WEST ELEVATION
1/4" = 1'-0"



NORTH ELEVATION
1/4" = 1'-0"

BOOSTER PUMP STATION
SCHEDULE III-ALT. A.

NOTE: All concrete block cells solid grouted.

AS BUILT
DATE 9/29/79

NO.	DATE	DESCRIPTION	BY	CHECKED	DATE

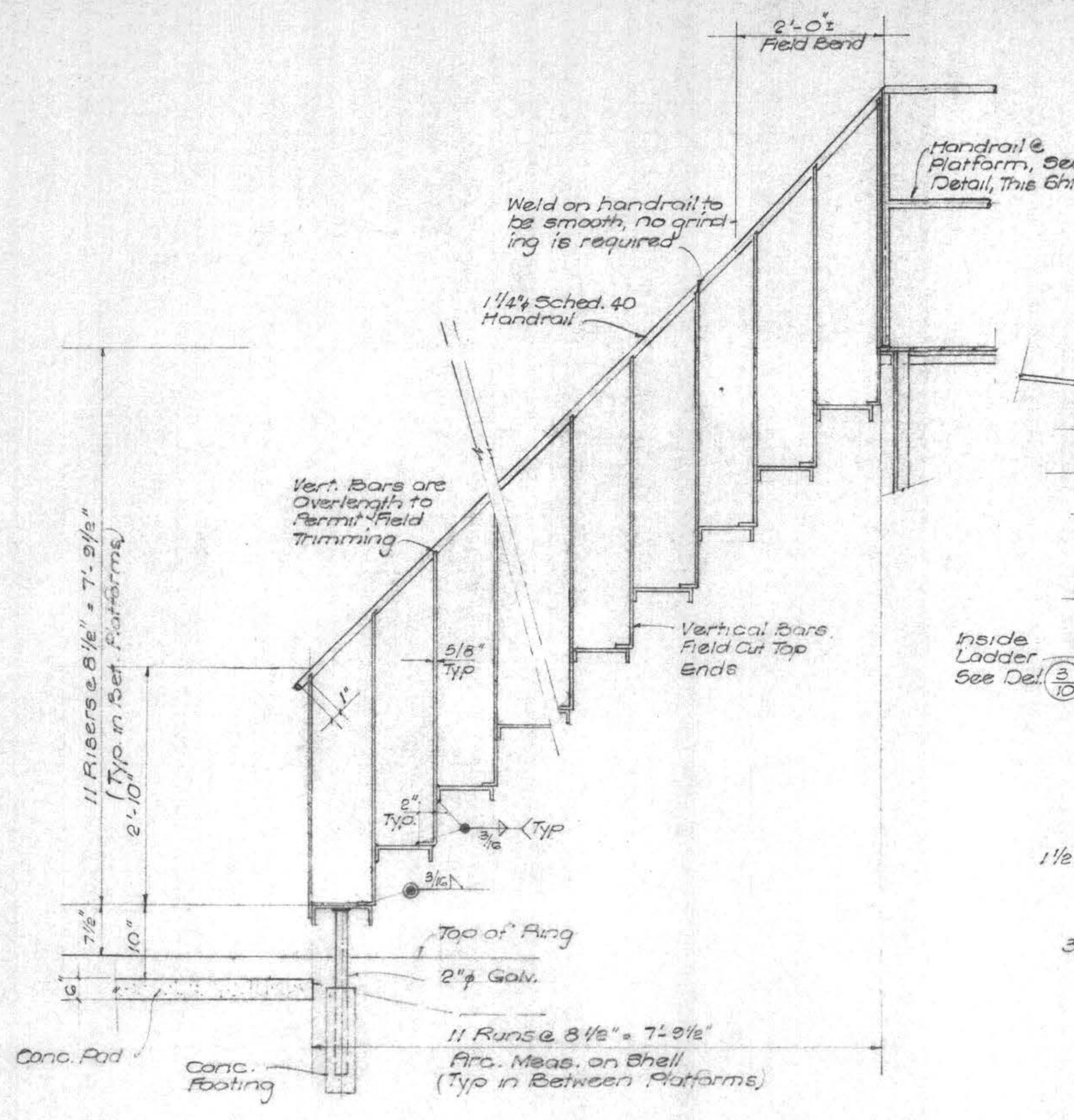
JOB NO. 247	DATE 5/1/79	SCALE AS SHOWN
DRAWN E.S.	DATE 5/1/79	SCALE AS SHOWN
CHECKED E.S.	DATE 5/1/79	SCALE AS SHOWN



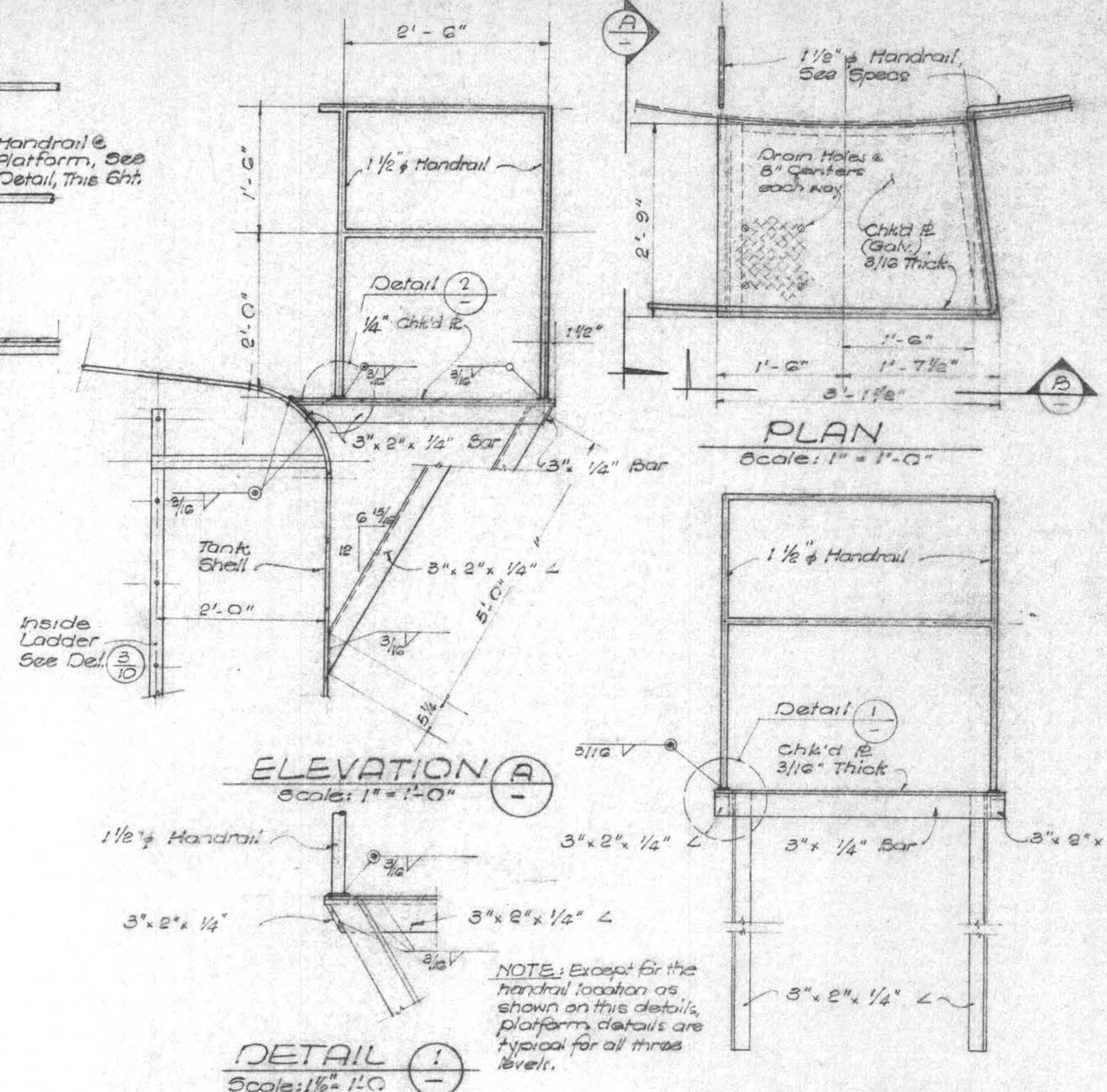
GRAM/PHILLIPS ASSOCIATES, INC.
1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 681-0291
ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS

MAMMOTH COUNTY WATER DISTRICT
Mono County, California
RESERVOIR VAULT PIPING DETAILS AND BUILDING DETAILS

10280
SHEET
16
OF
23

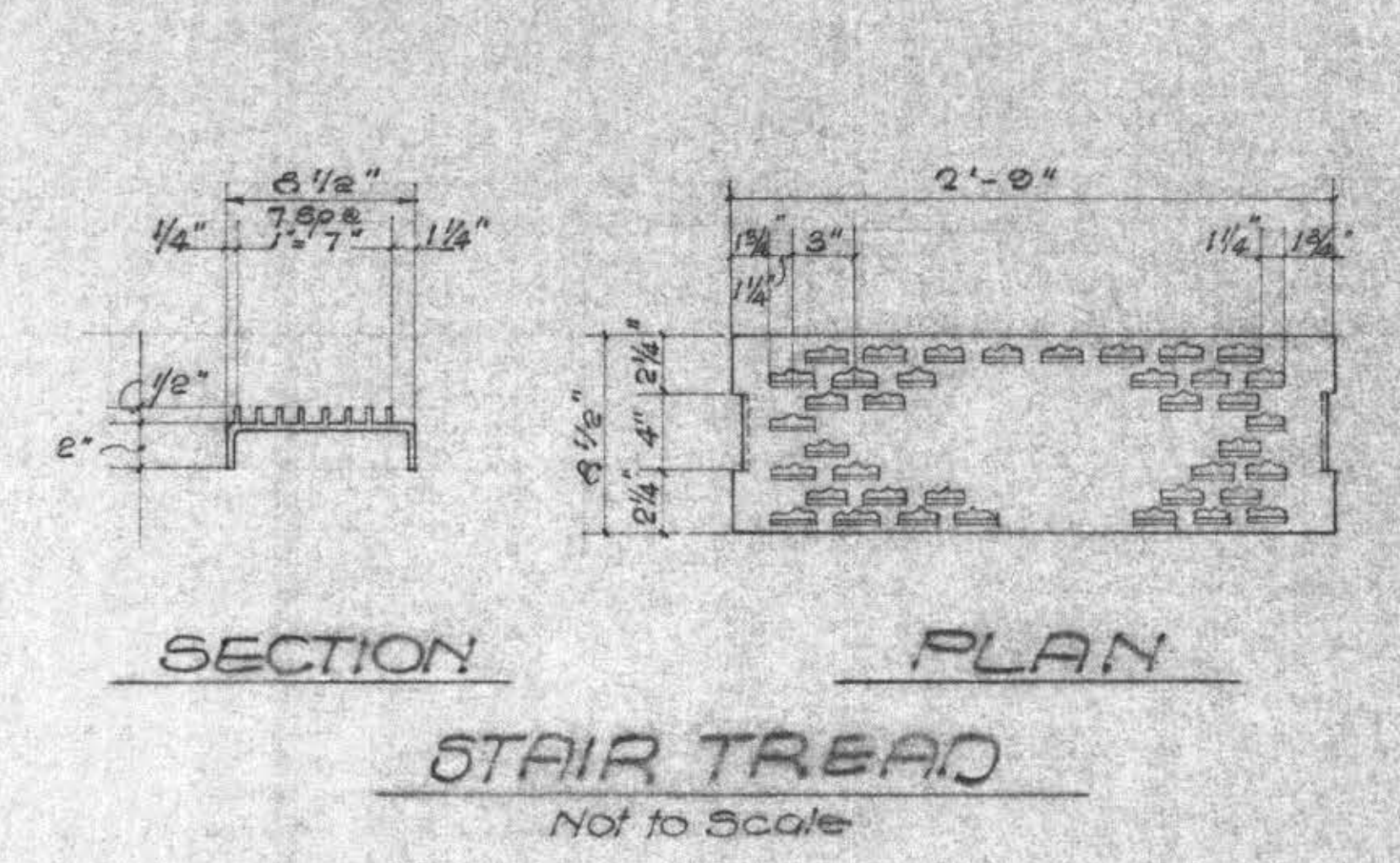


ELEVATION DEVELOPED VIEW
Not to Scale

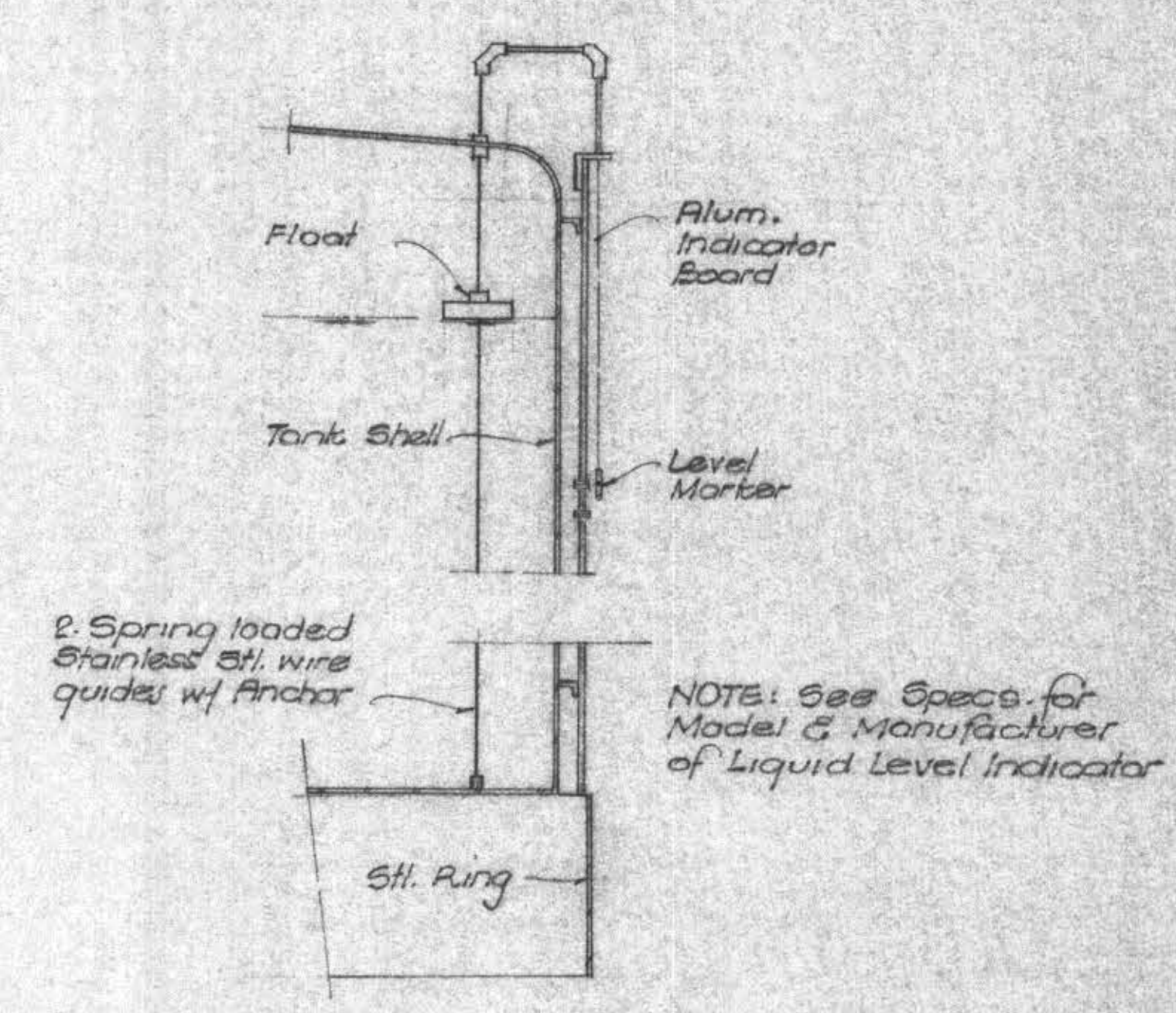


STAIRWAY DETAILS ALTERNATE 'A'

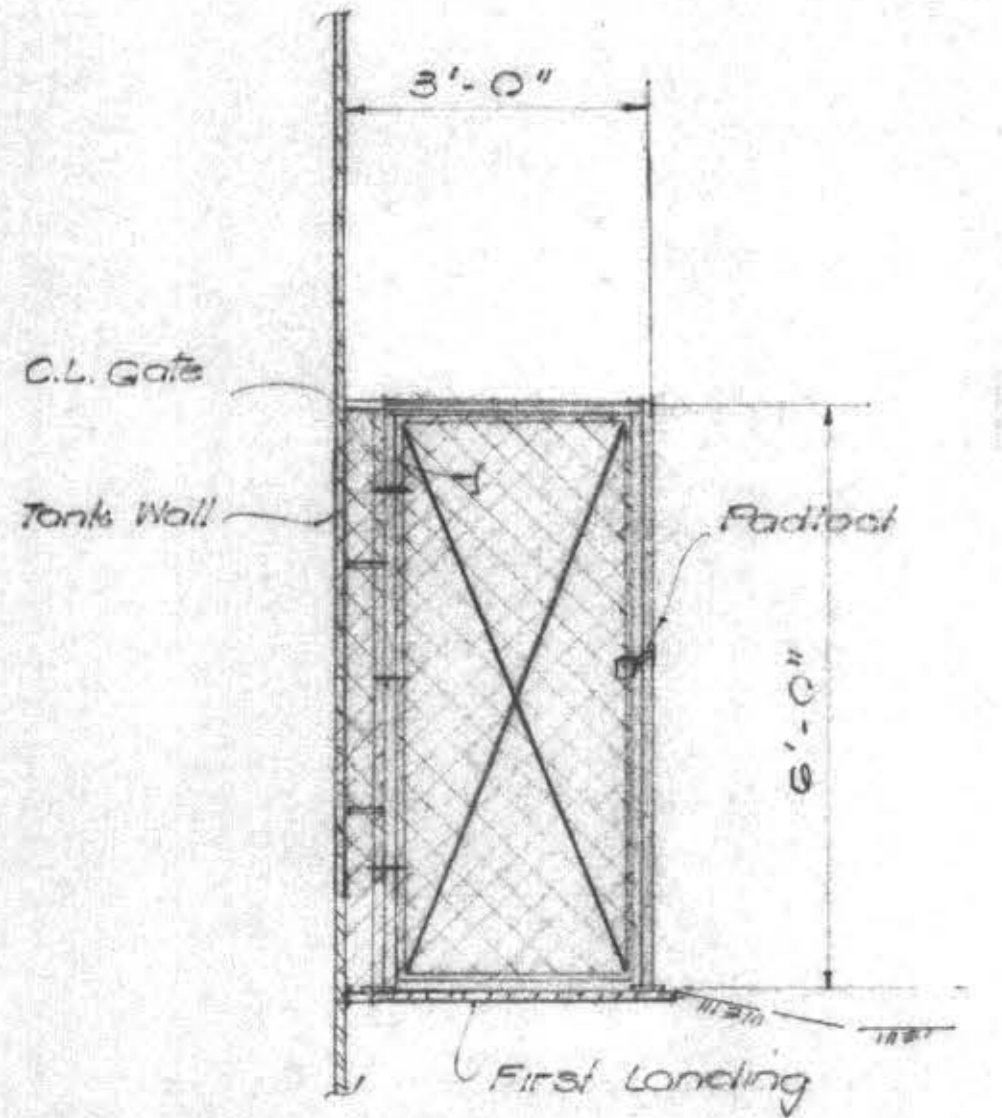
PLATFORM
Scale: 1" = 1'-0"



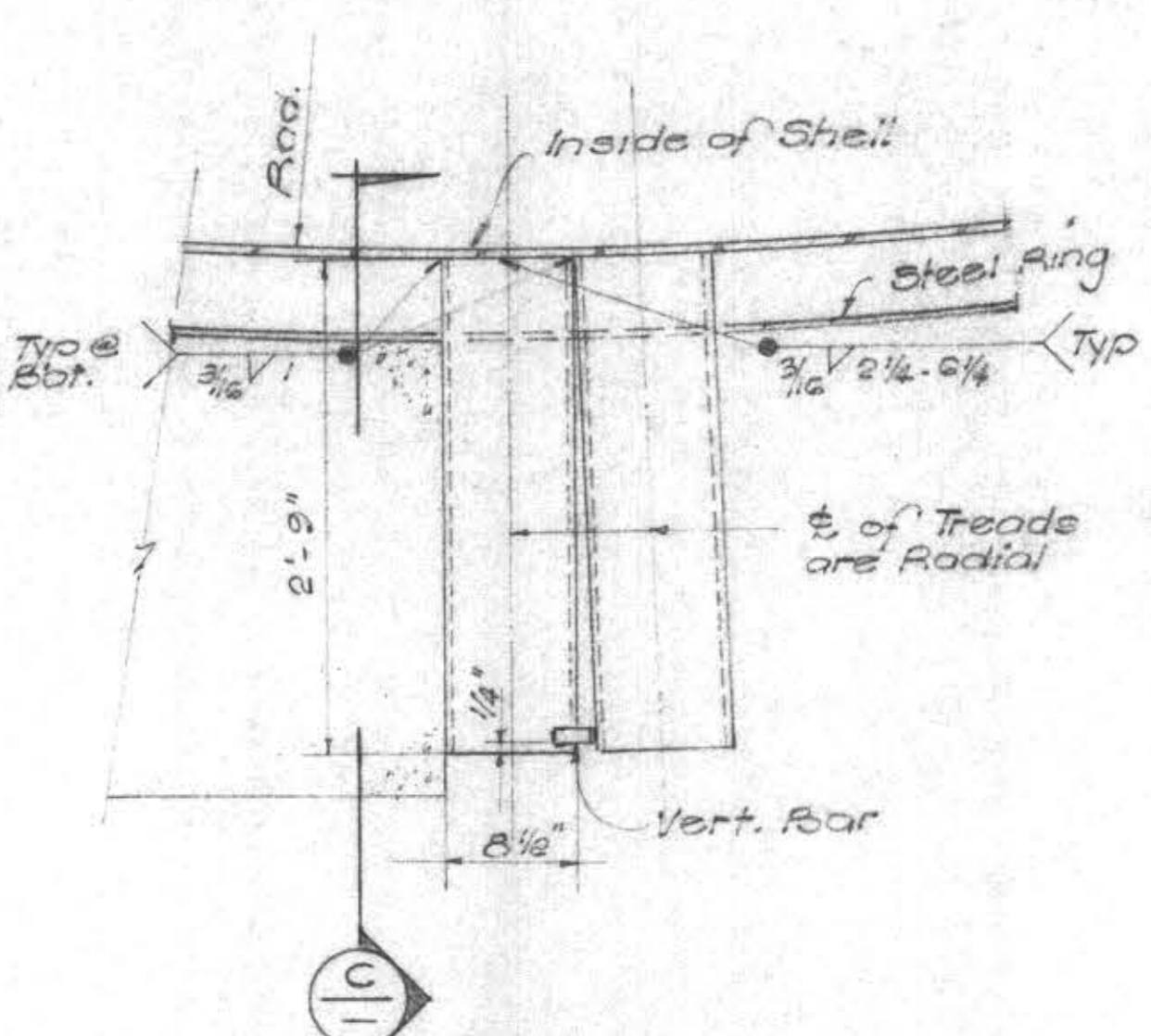
SECTION PLAN
STAIR TREAD
Not to Scale



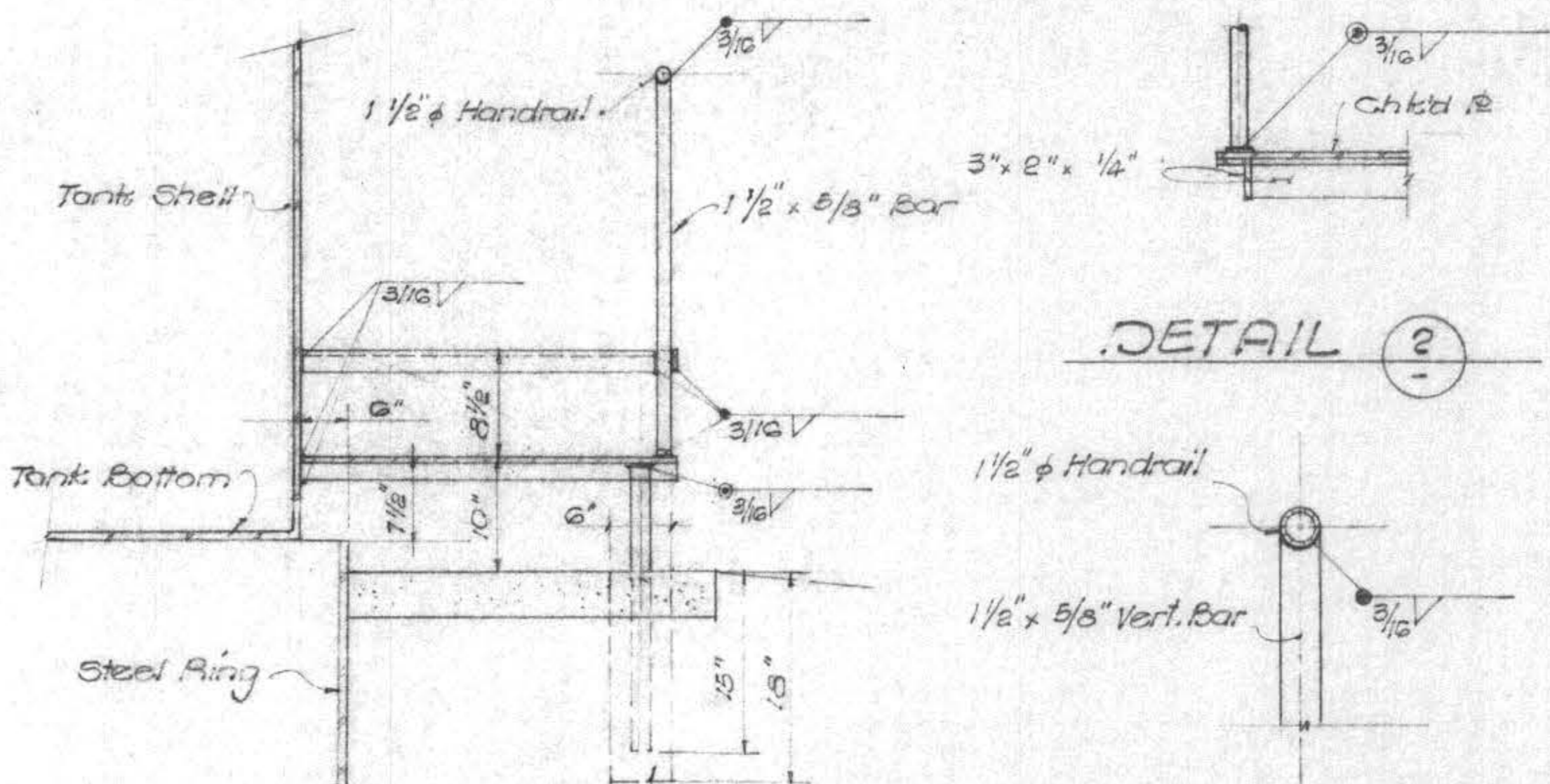
LIQUID LEVEL INDICATOR
Not to Scale



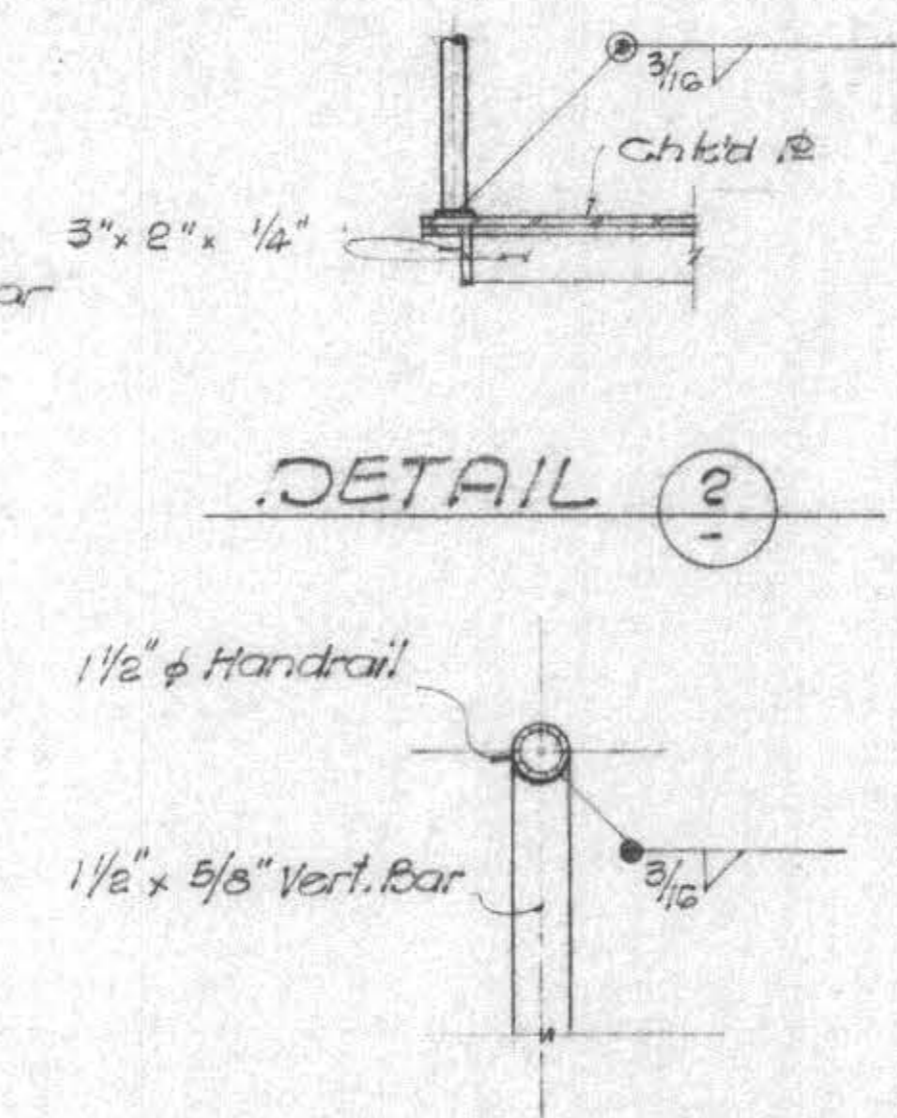
GATE ELEVATION
Not to Scale



STAIR TREADS
Scale: 1" = 1'-0"



SECTION
Scale: 1" = 1'-0"



DETAIL 2
DETAIL 3
Not to Scale

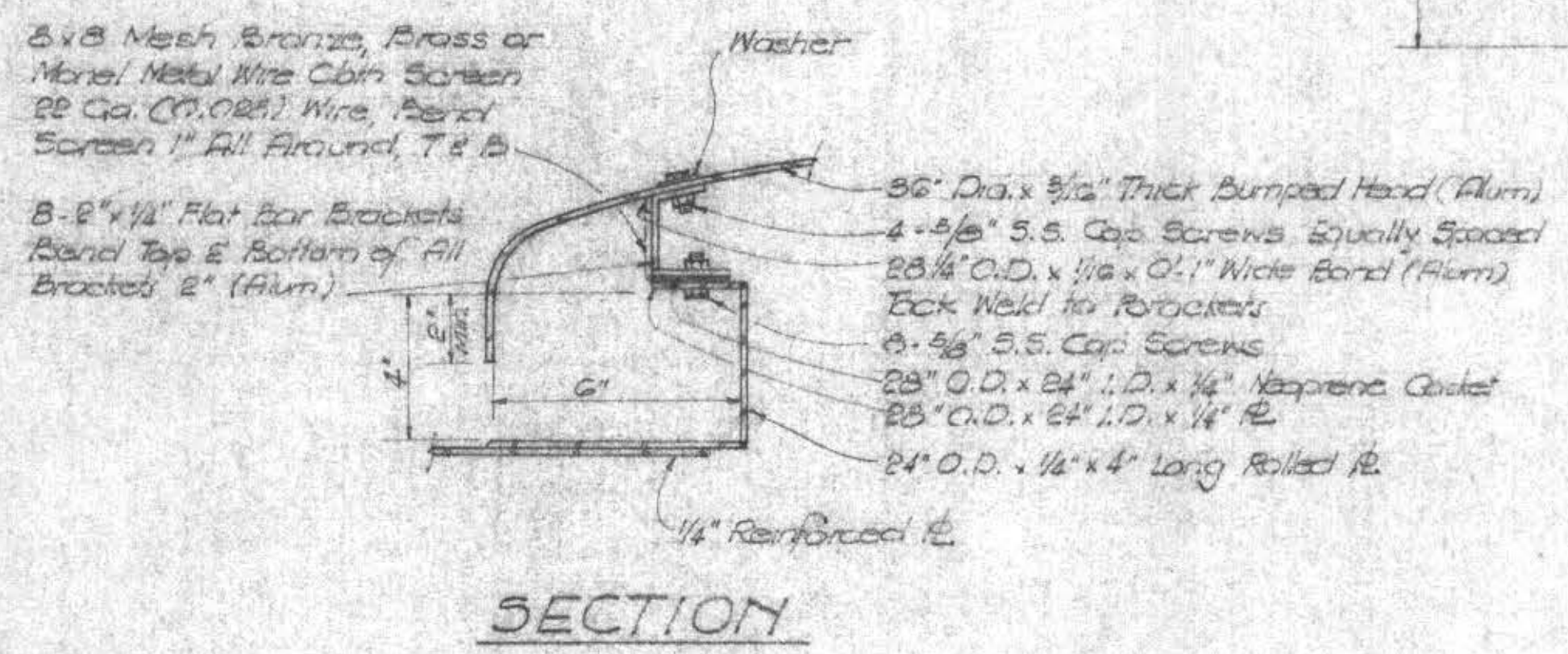
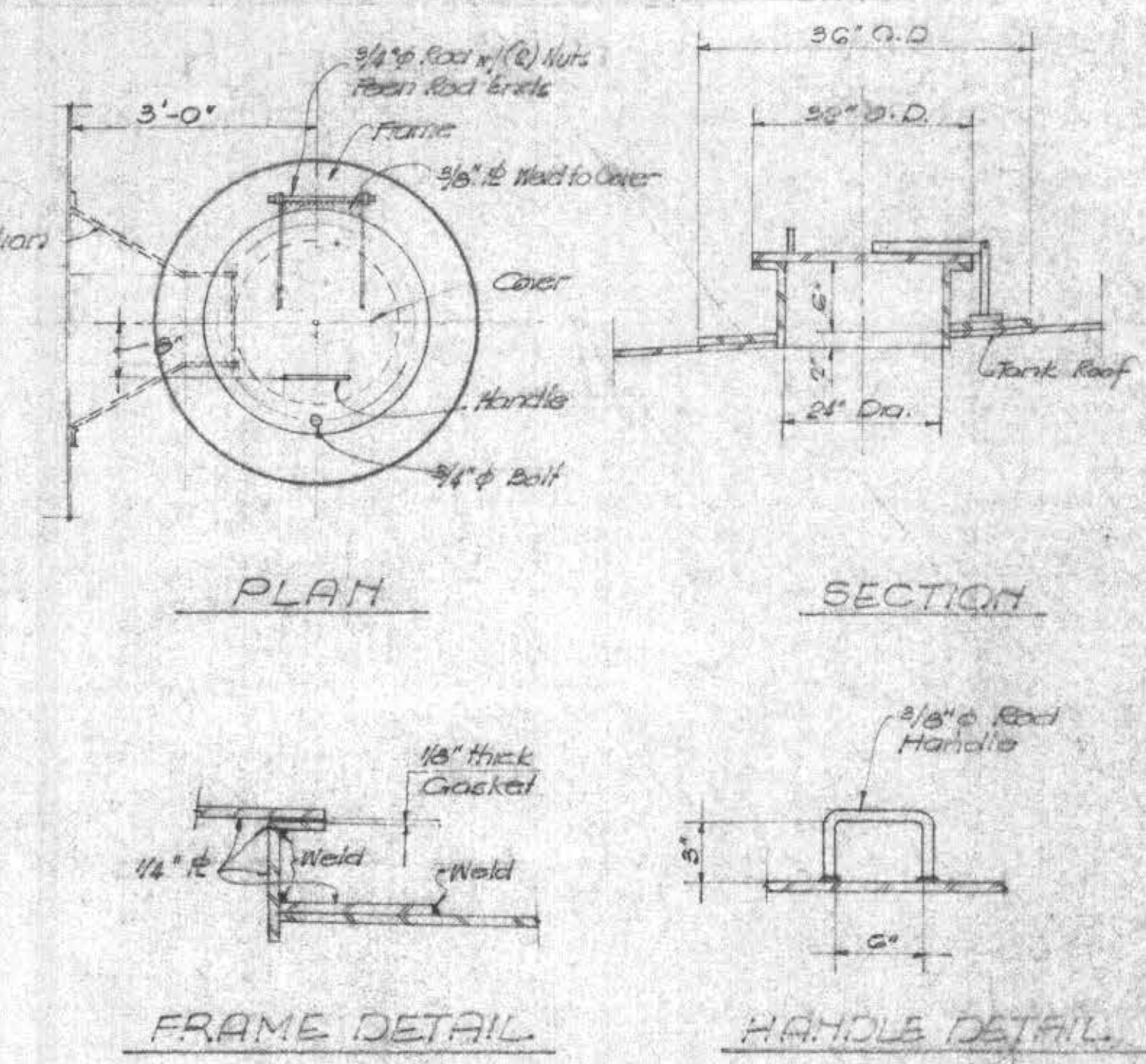
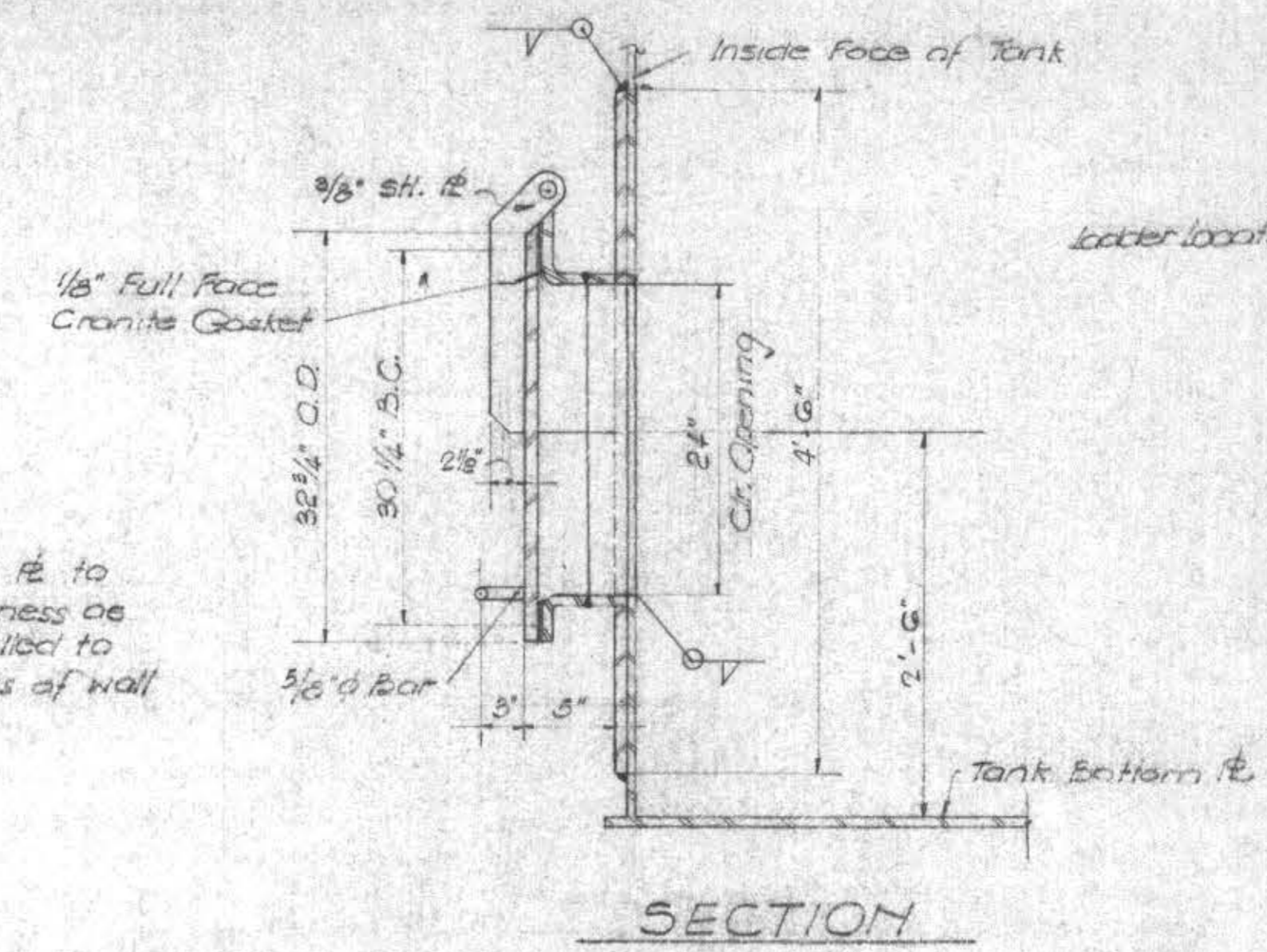
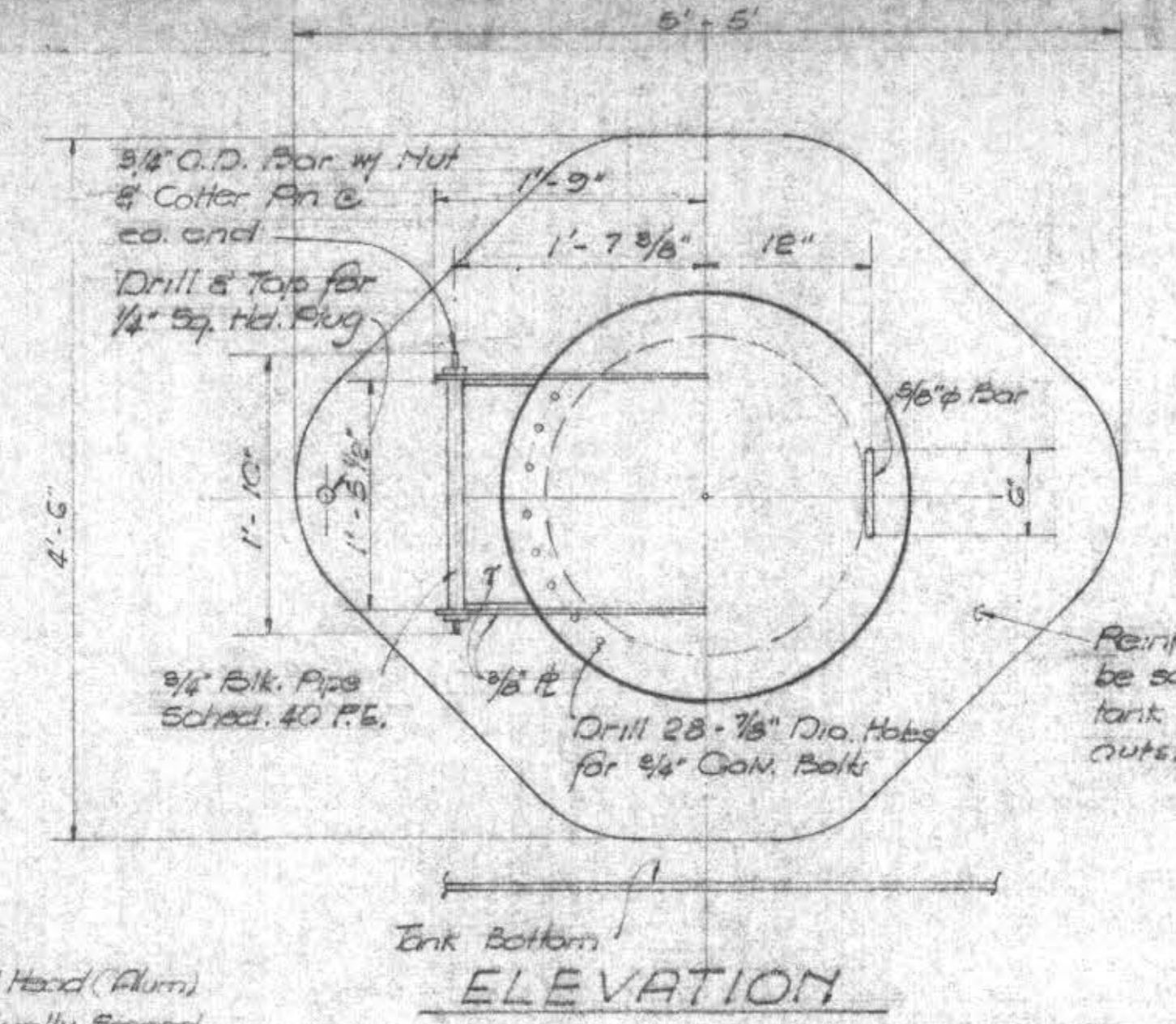
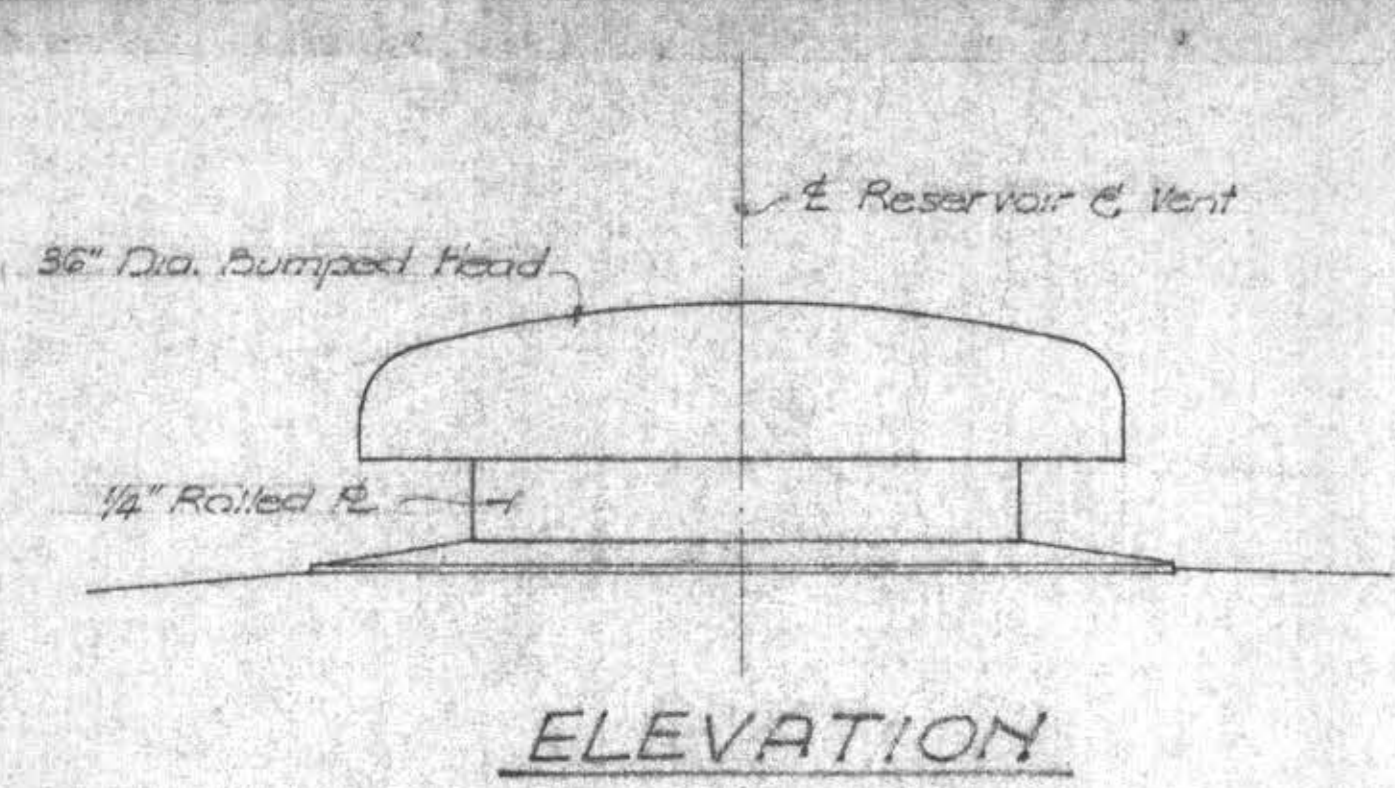
NO.	DATE	DESCRIPTION	BY	CHECKED	DATE
		REVISIONS		d.f.p.	

JOB NO. 247
DRAWN b.o.
DATE 3/20/78
RCE 10512
DATE 4/16/78



GRAM/PHILLIPS ASSOCIATES, INC.
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ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS

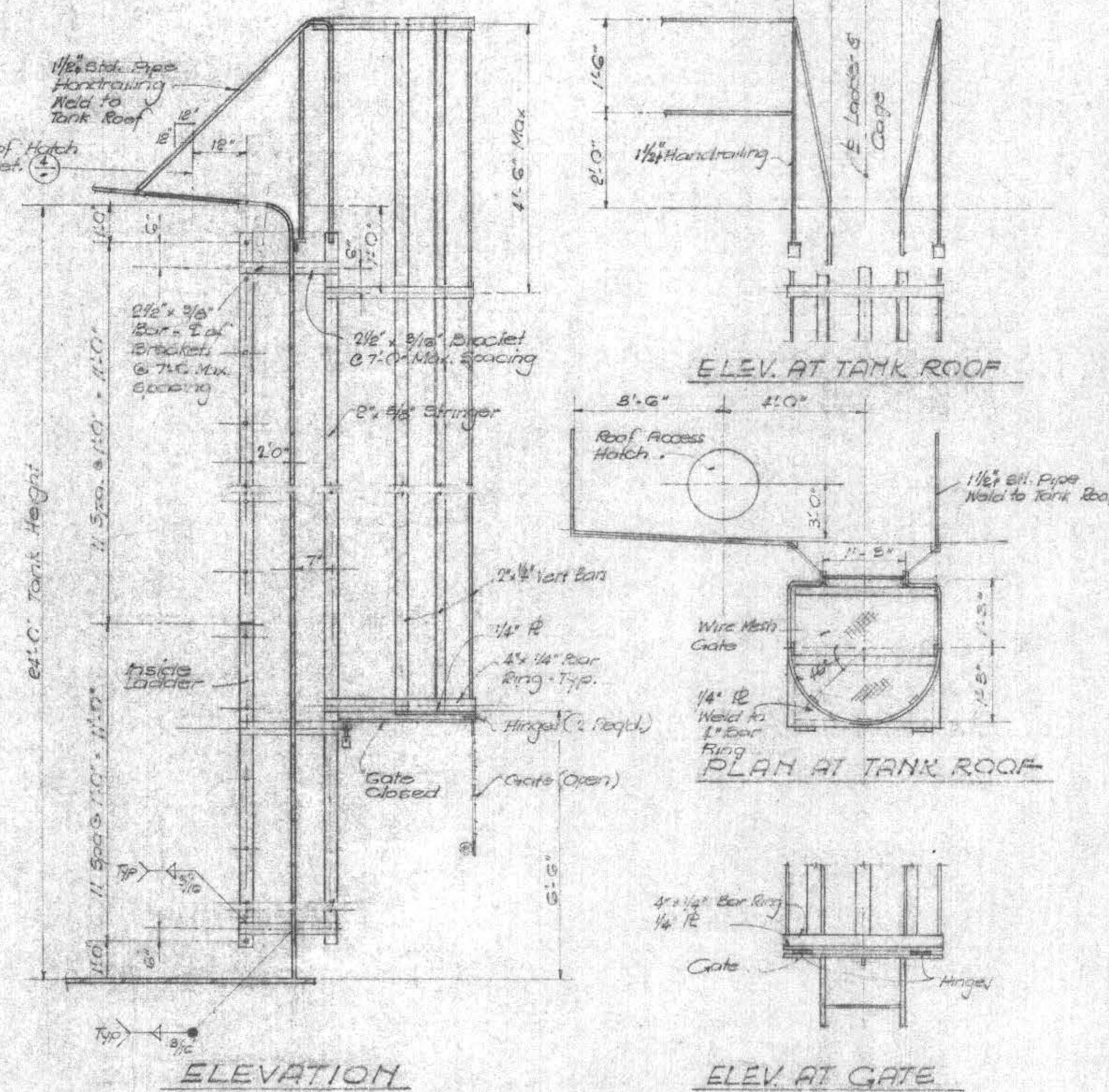
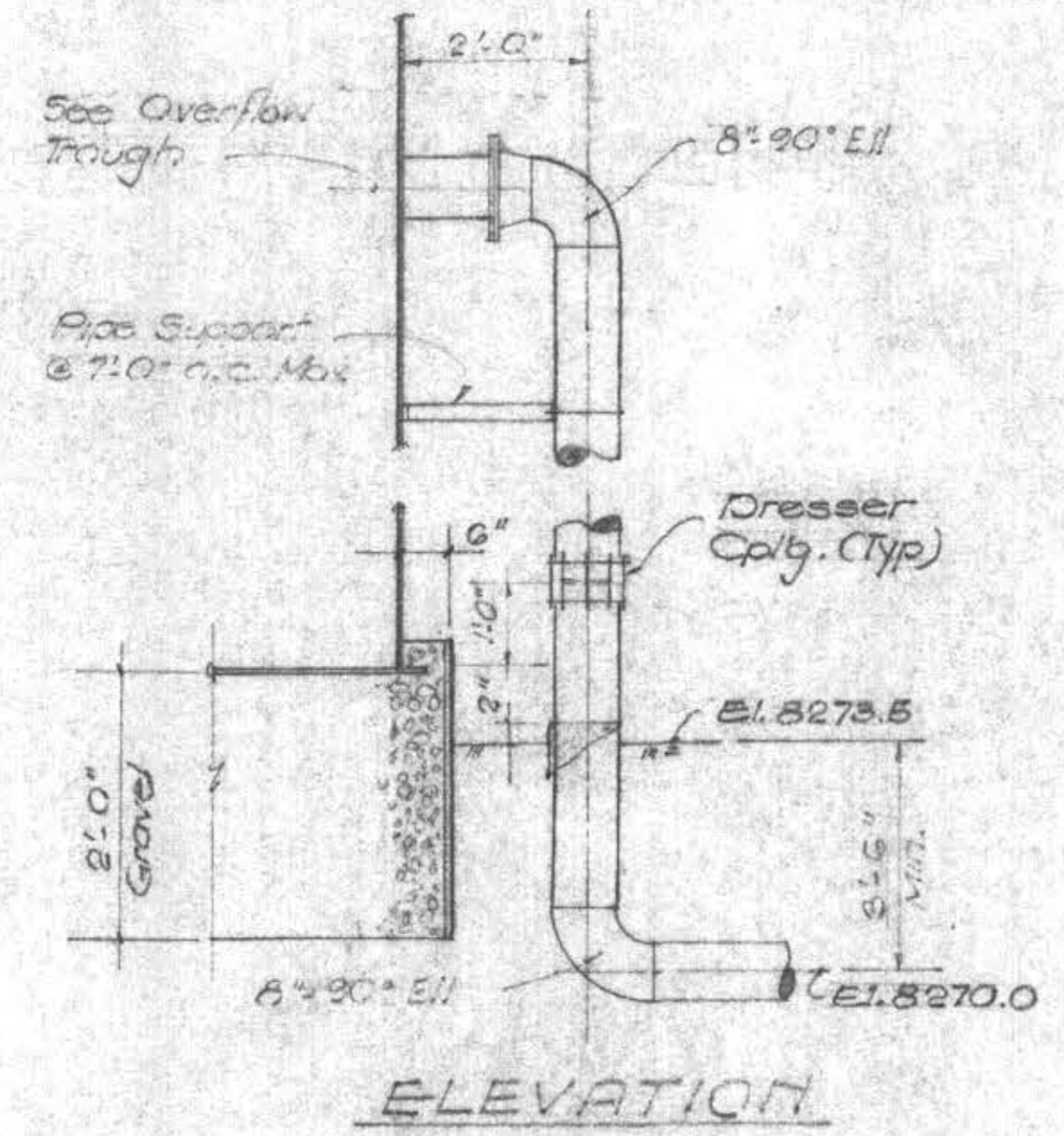
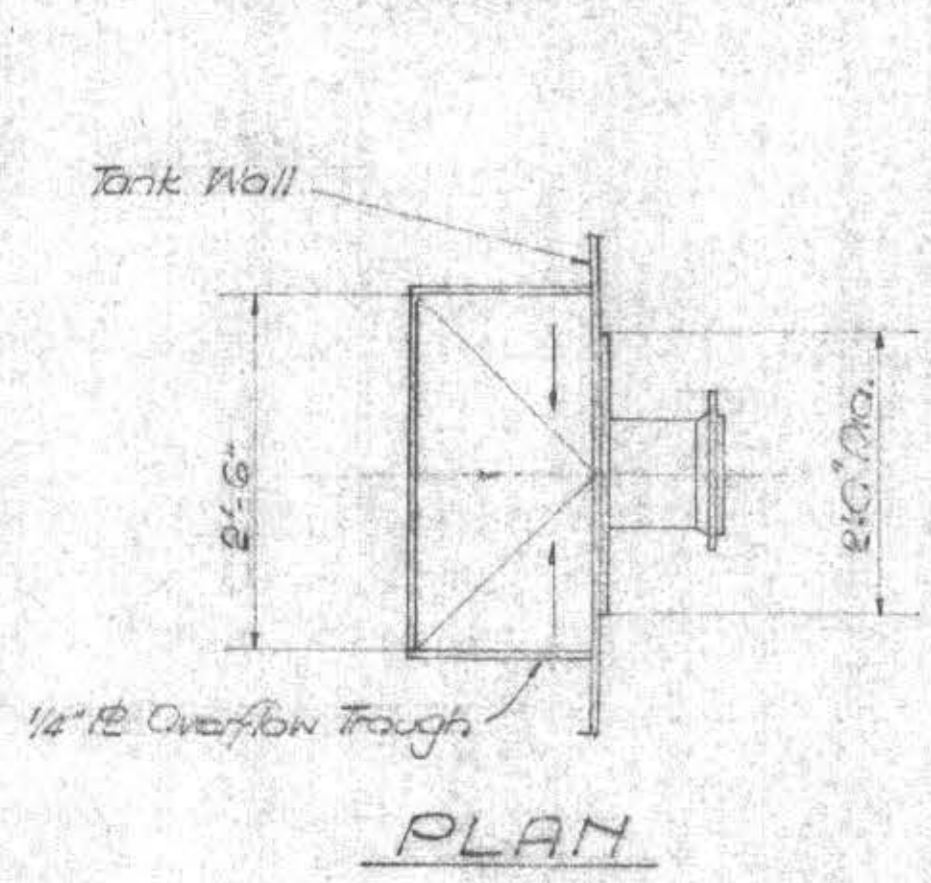
AS BUILT
DATE 9/29/79
MAMMOTH COUNTY WATER DISTRICT
Mono County, California
MISCELLANEOUS DETAILS



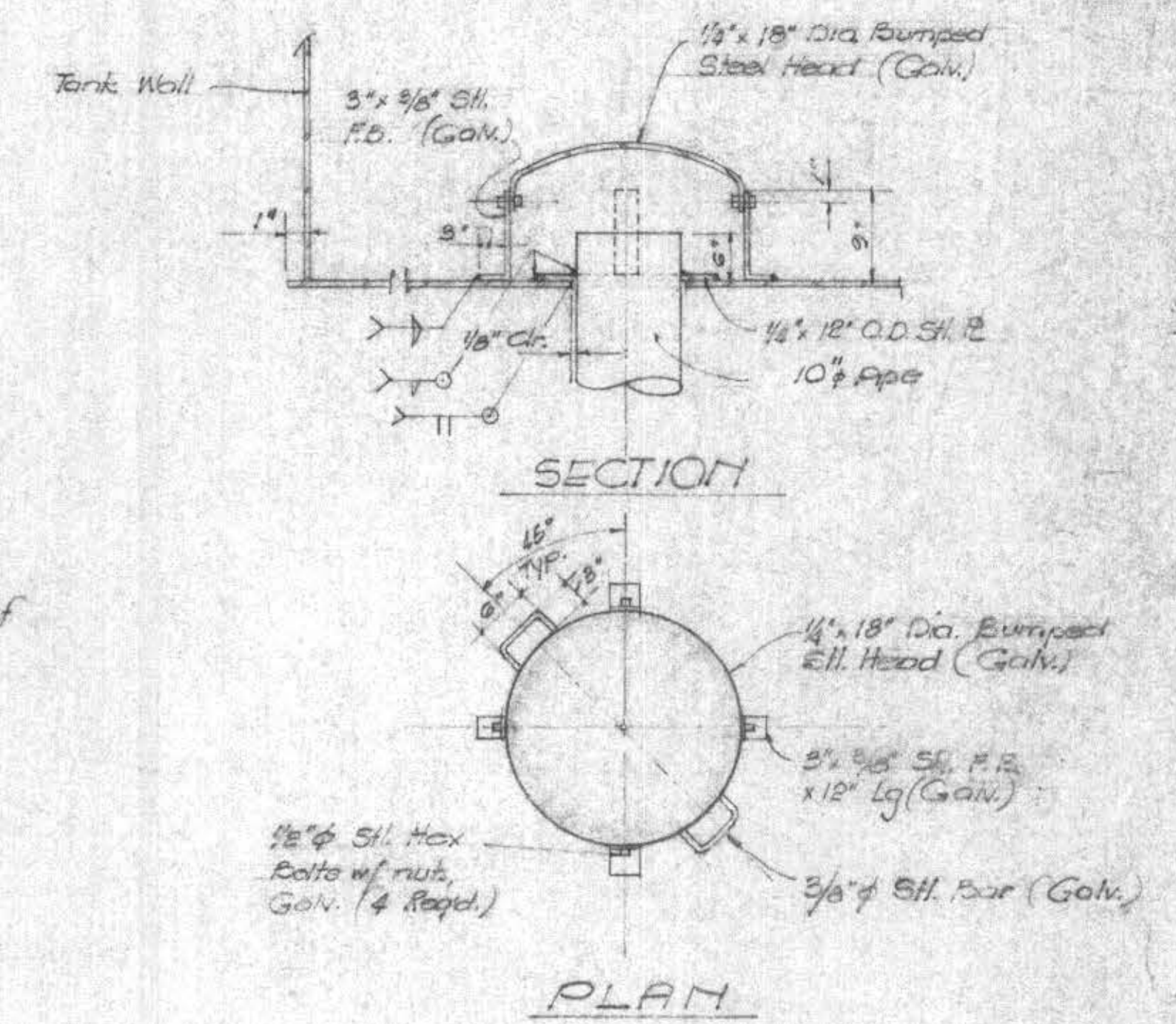
ROOF VENT DETAILS (1)
Not to Scale

ACCESS MANHOLE DETAIL (5)

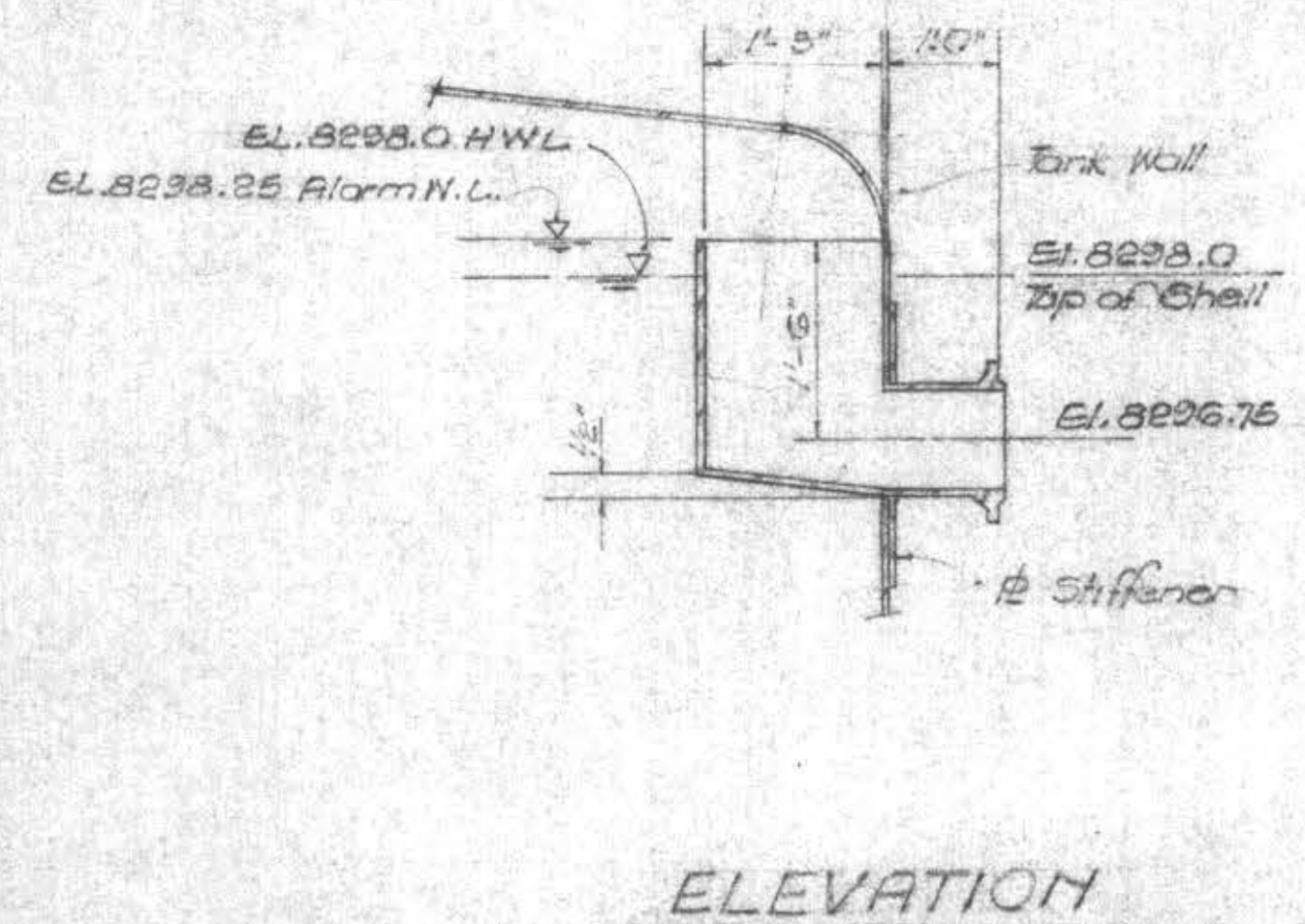
ROOF ACCESS HATCH DETAILS (4)
Not to Scale



INTERIOR & EXTERIOR LADDER DETAILS (3)
(ALTERNATE "B")



INLET-OUTLET DETAIL (6)
Not to Scale



OVERFLOW TROUGH DETAILS (2)
Not to Scale

AS BUILT
DATE 9/29/79

NO.	DATE	DESCRIPTION	BY	CHECKED	DATE
REVISIONS					
JOB NO. 227					
DRAWN DATE 4/16/78					
E.C. DATE 12/2/79					
RCE DATE					

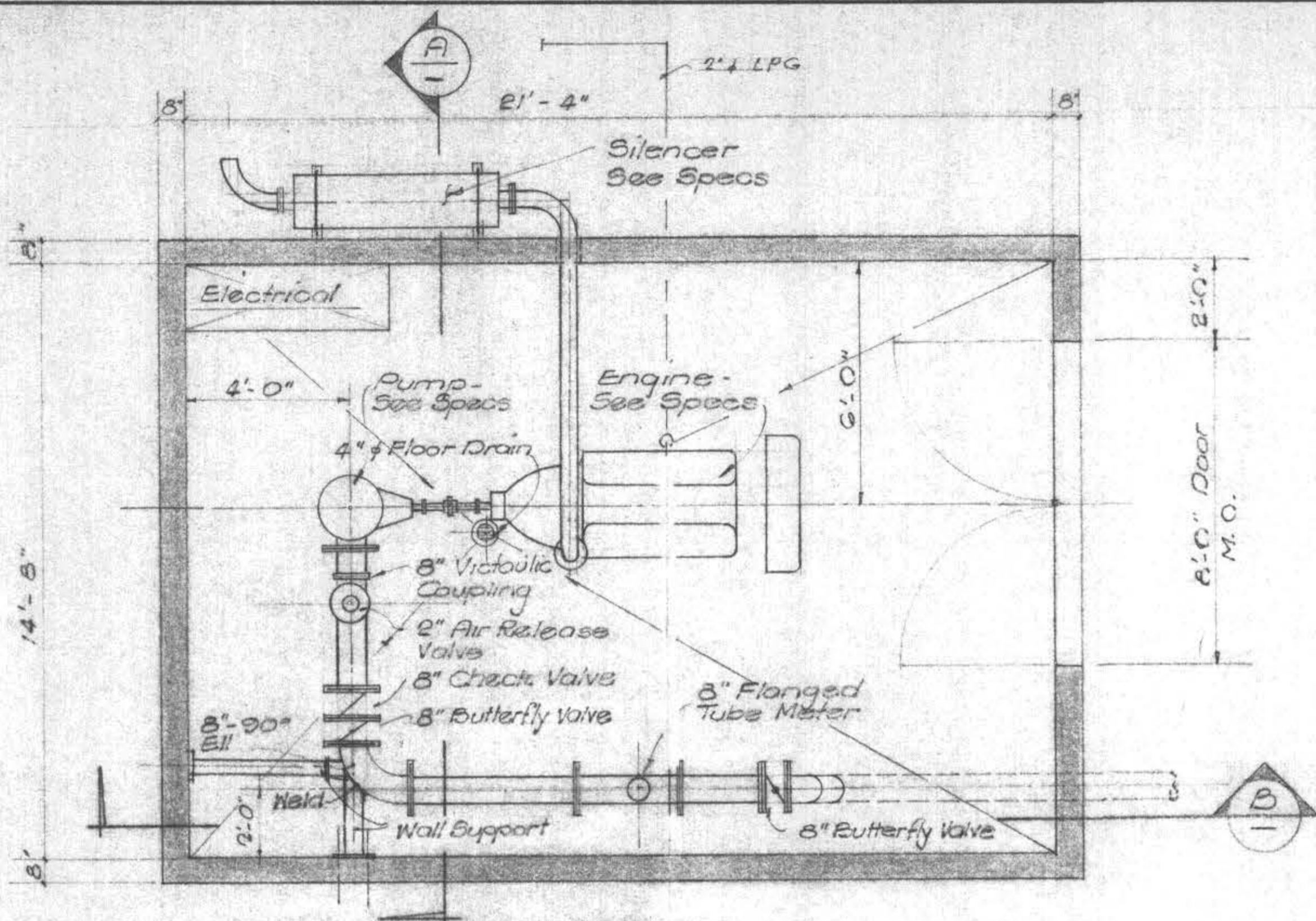


GRAM/PHILLIPS ASSOCIATES, INC.
1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 681-0291
ENGINEERING / RESEARCH
ENVIRONMENTAL SYSTEMS

MAMMOTH COUNTY WATER DISTRICT
Mono County, California
SCHED. III - WATER TANK DETAILS



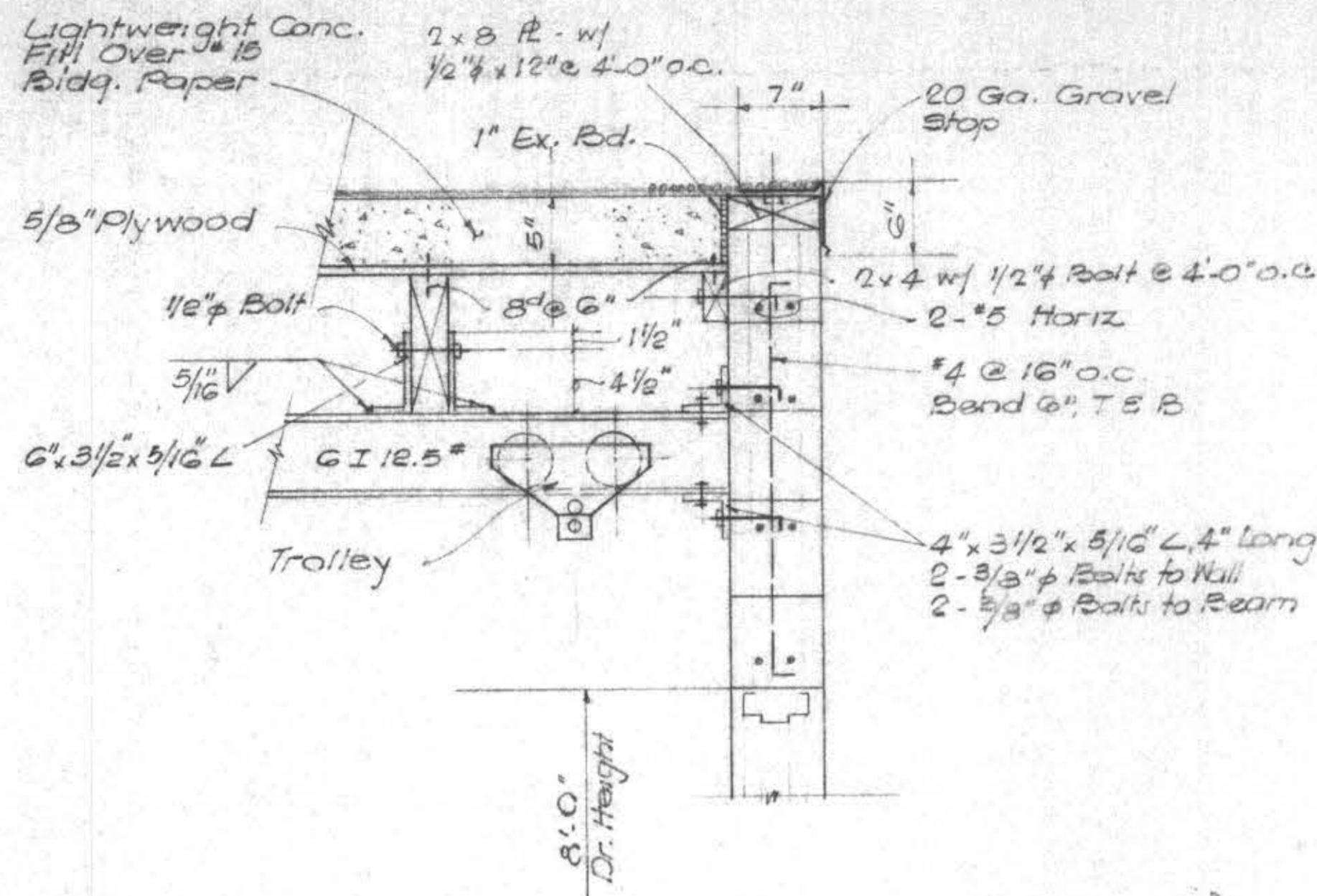
SHEET 18
OF 23



PLAN

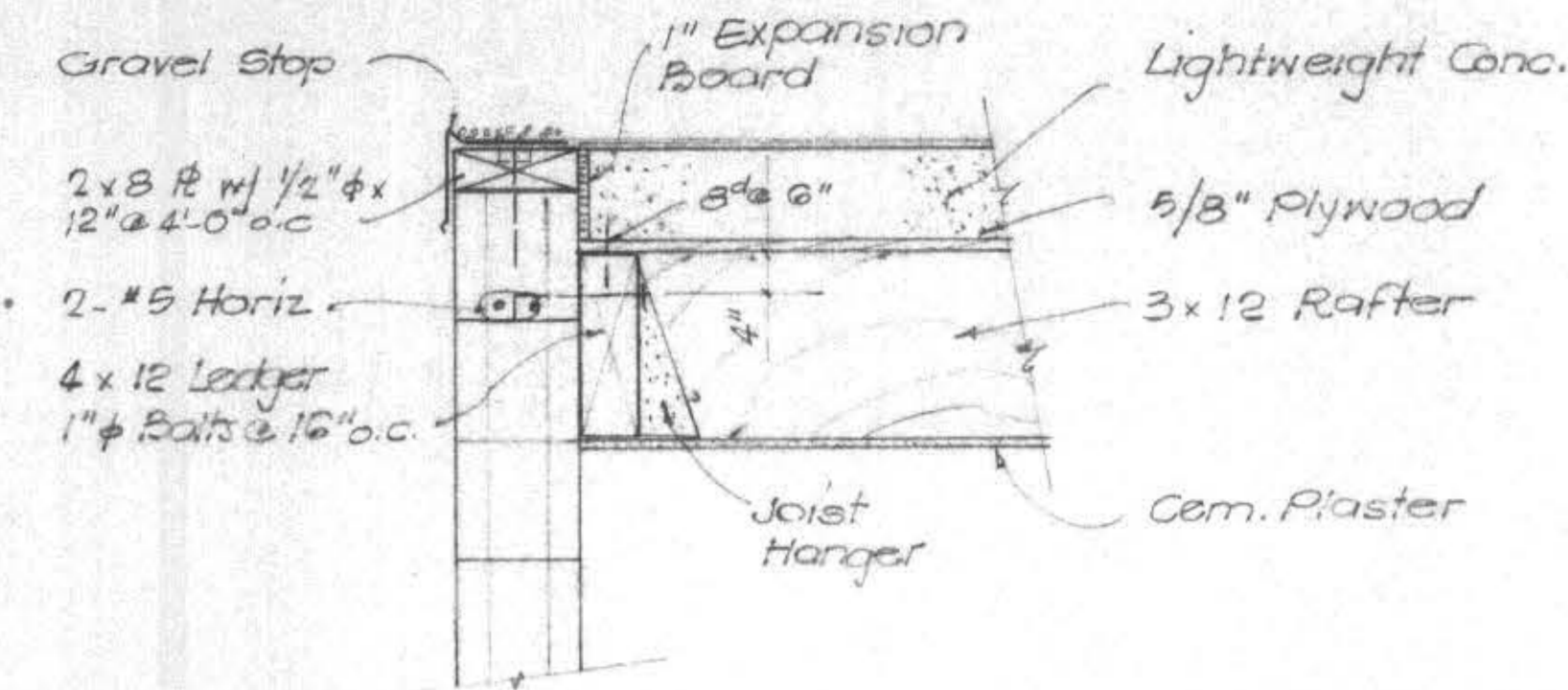
3/8" = 1'

NOTE: See sheet II for Roof Framing Plan & Bldg. Elevations.



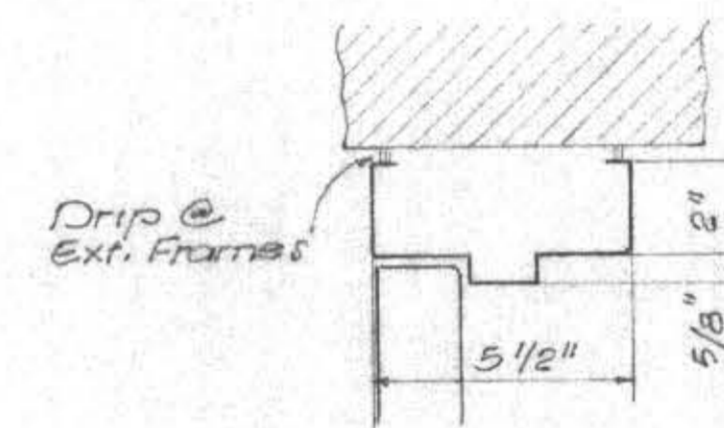
DETAIL 1

1" = 1'-0"

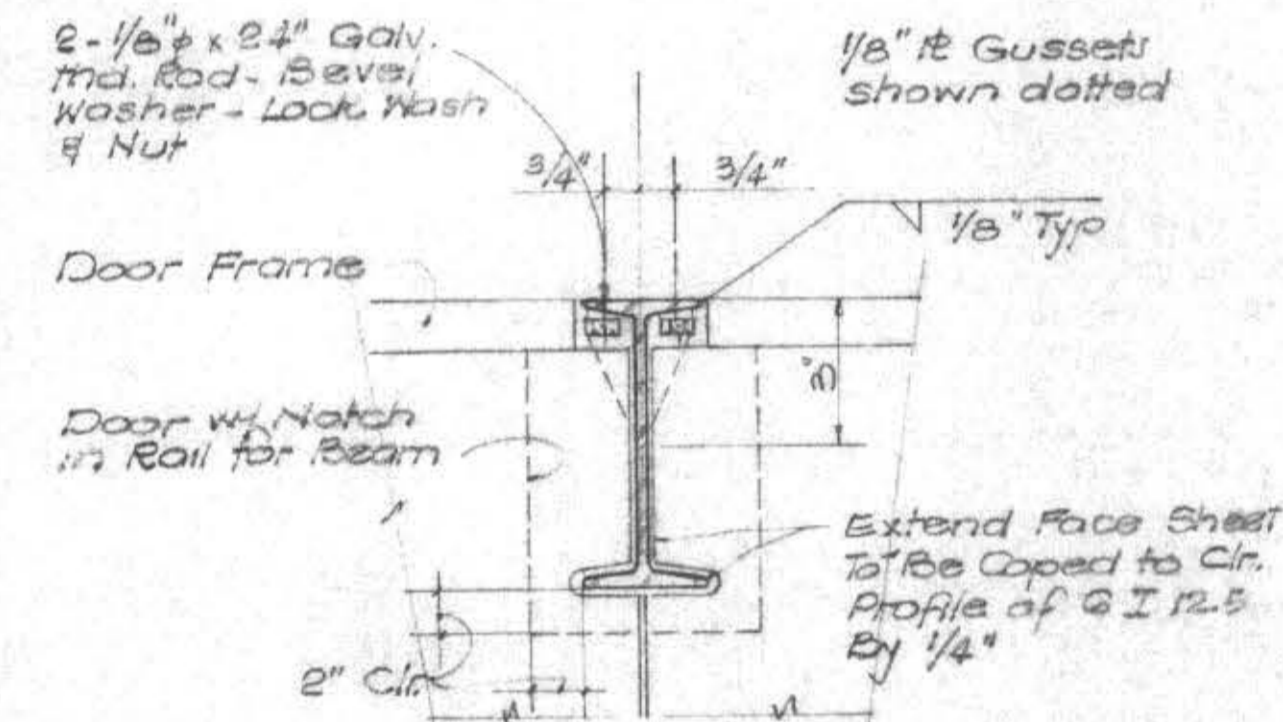


DETAIL 2

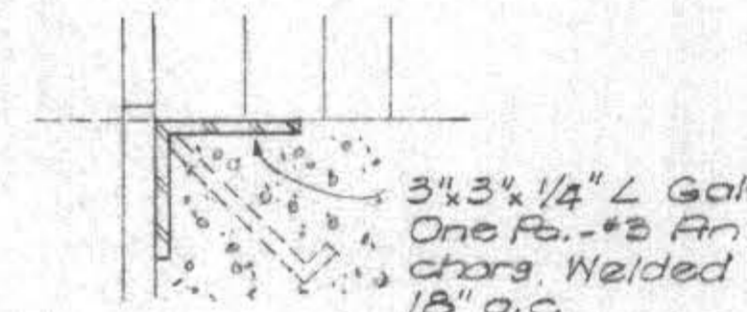
1" = 1'-0"



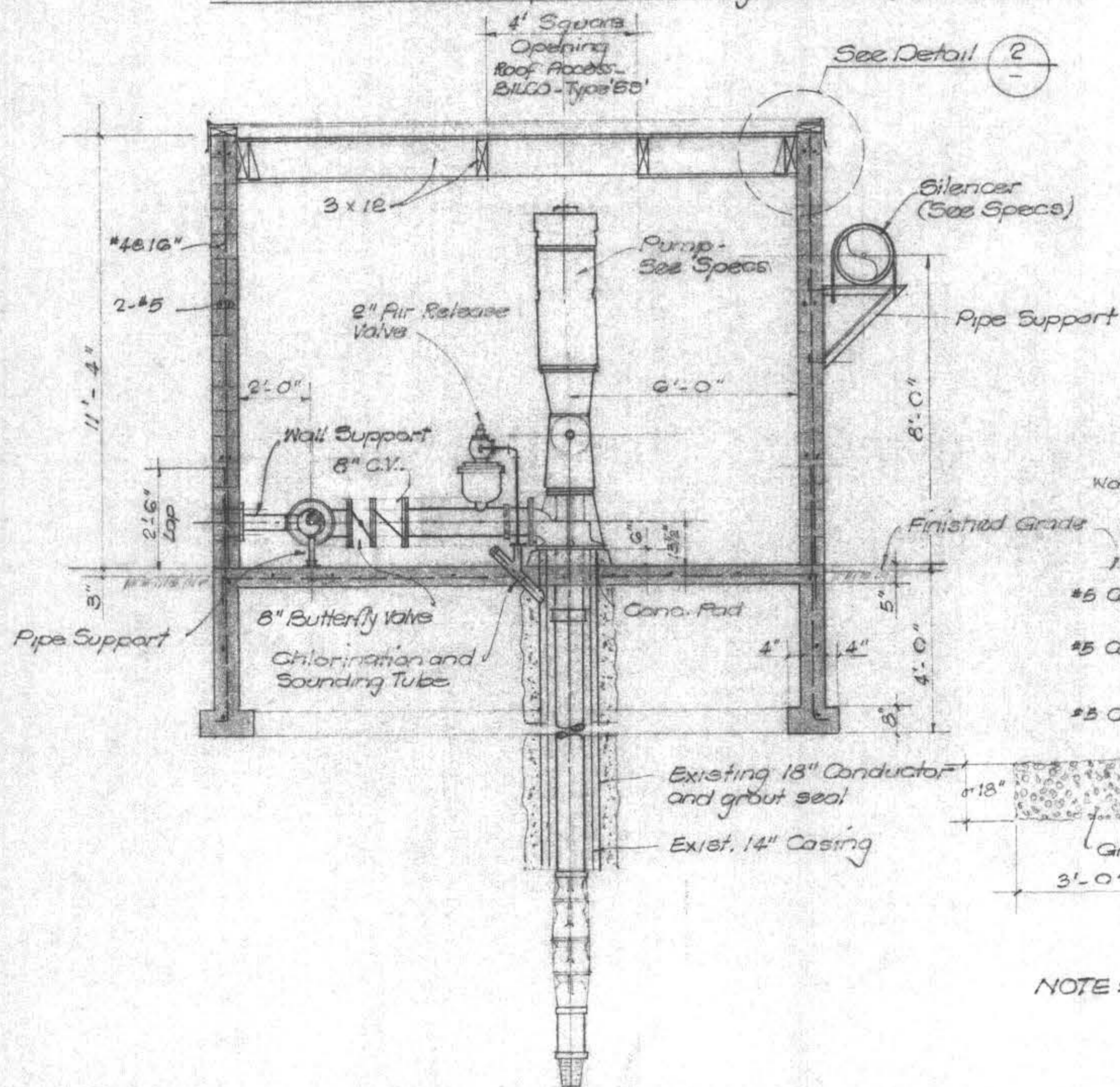
HEAD



SECTION

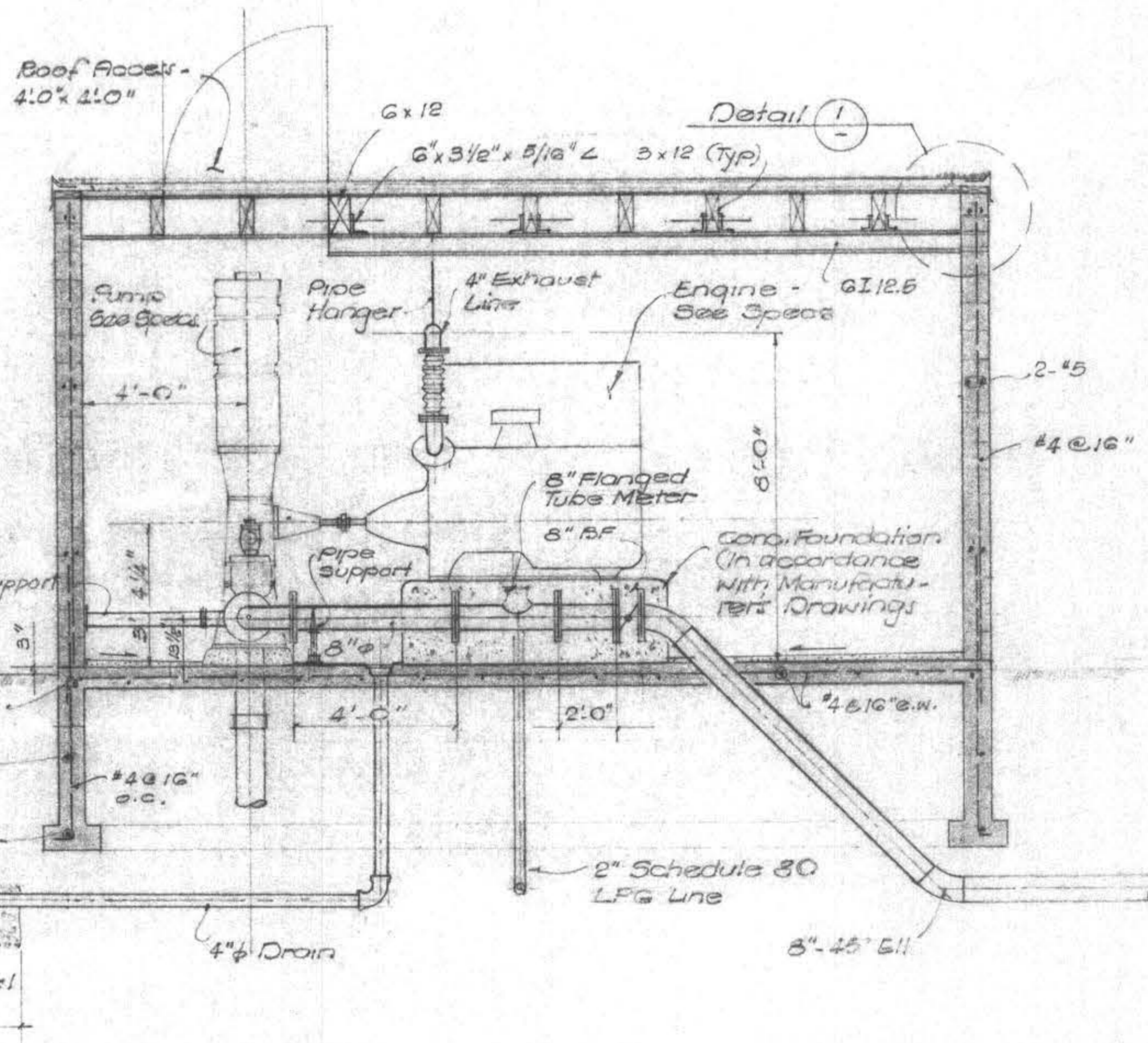


SILL



SECTION A

3/8" = 1'-0"



SECTION B

3/8" = 1'-0"

NOTE: Provide hooks on beam directly above valves per Detail 4/21. All concrete slab cells solid grouted.

AS BUILT

DATE 9/29/77

JOB NO. 247		DATE 2/24/78		DATE 4/19/78	
DRAWN bc		CHECKED dfo		DATE 12, 5, 78	
NO.	DATE	DESCRIPTION	BY	CHECKED	DATE

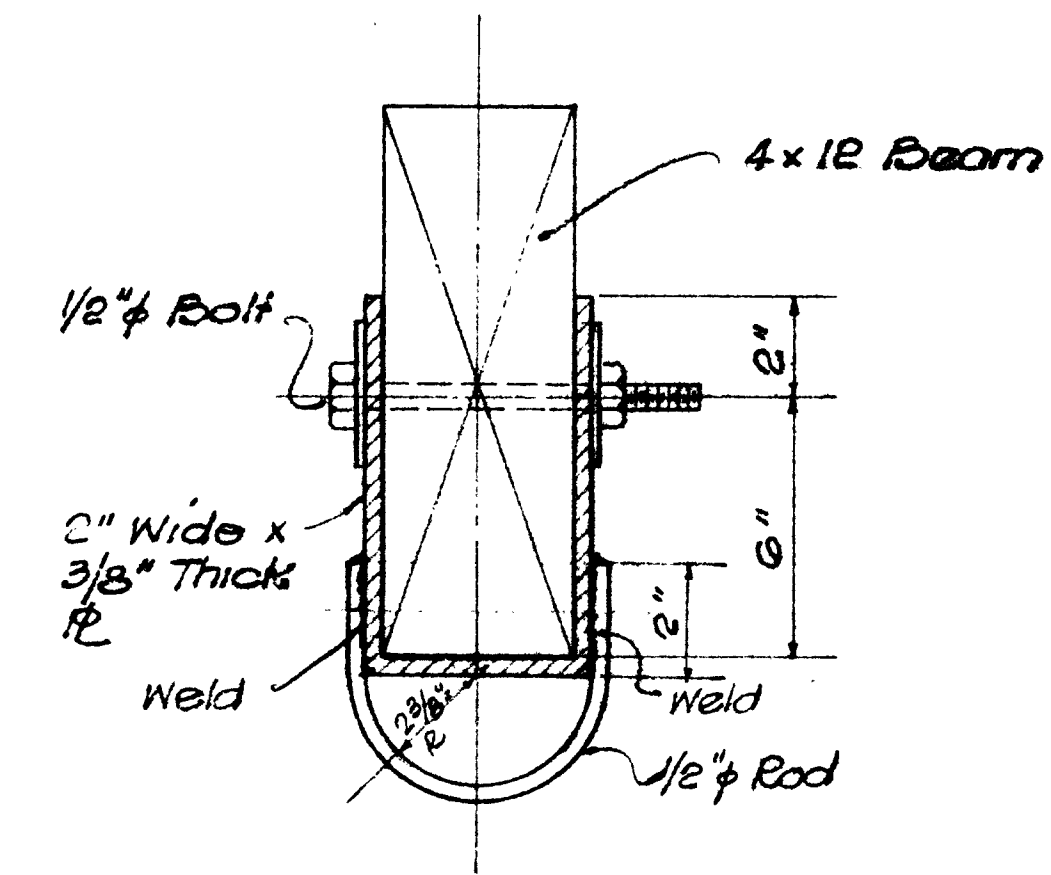
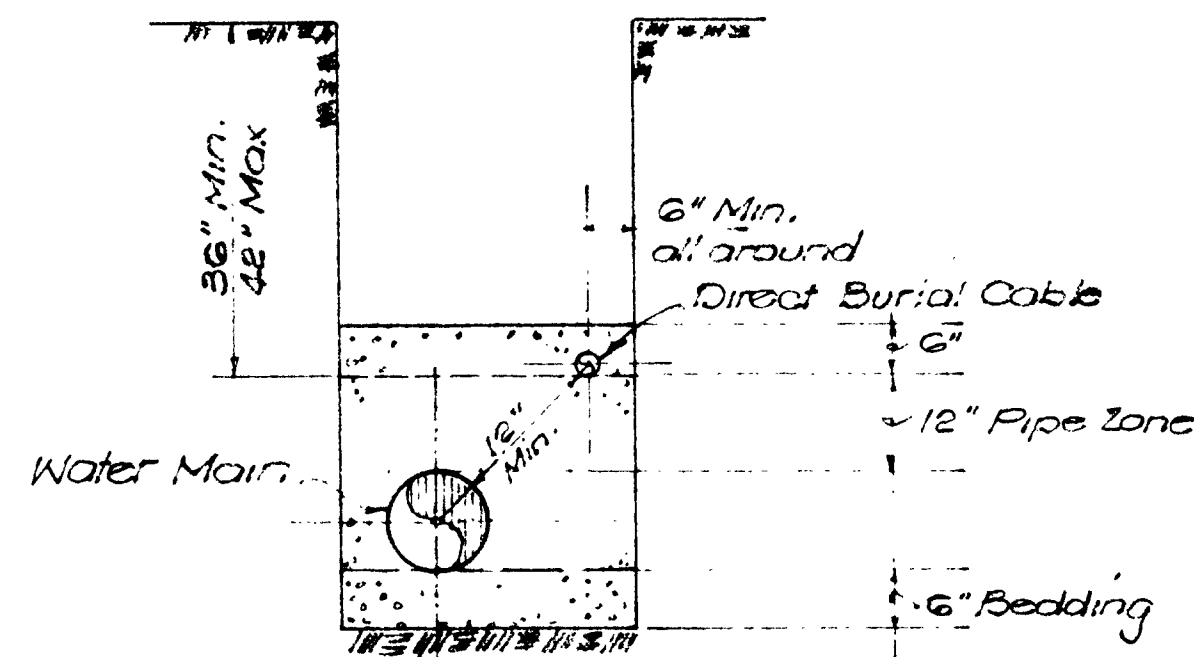
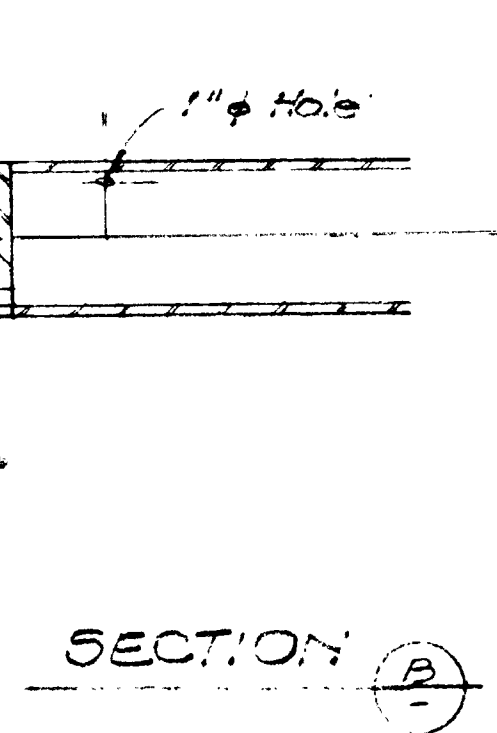
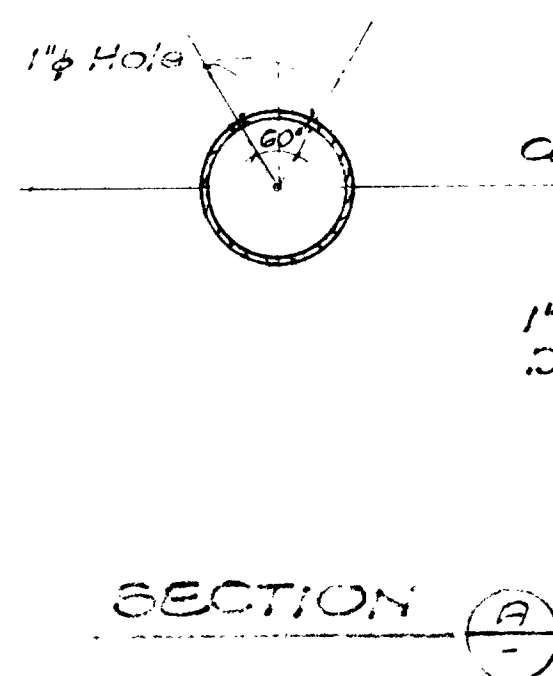
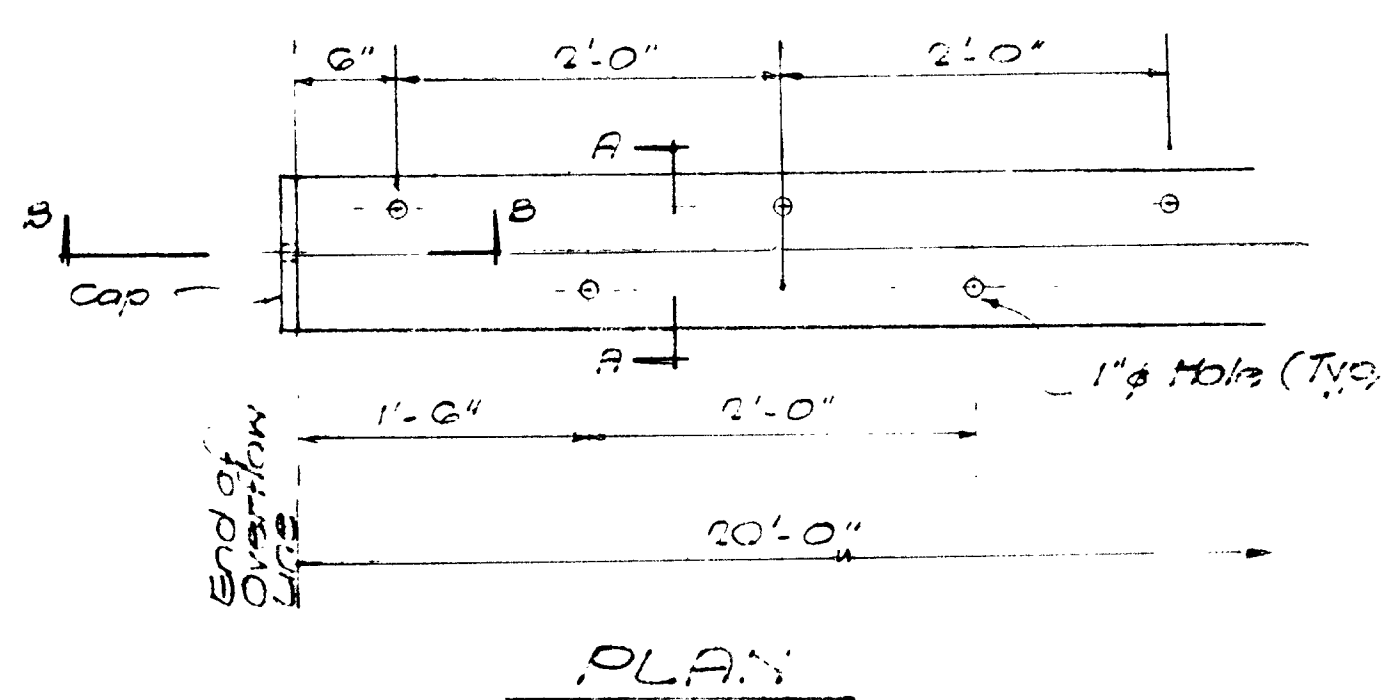
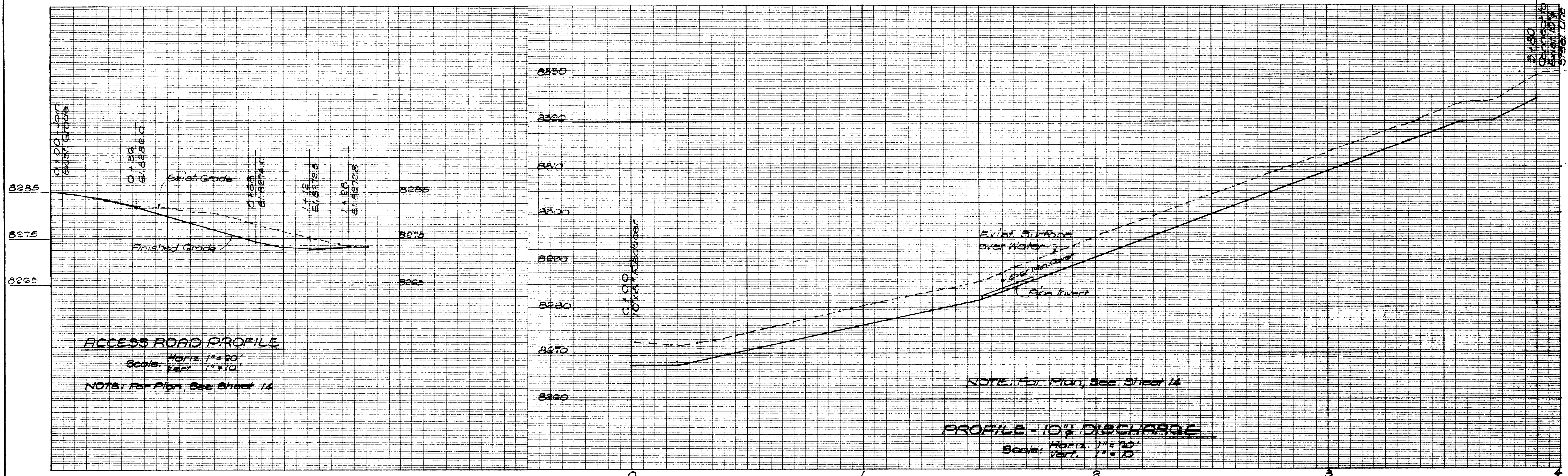


GRAM/PHILLIPS ASSOCIATES, INC.
1000 EAST WALNUT STREET/SUITE 223/PASADENA, CALIFORNIA 91106/PHONE (213) 681-0291
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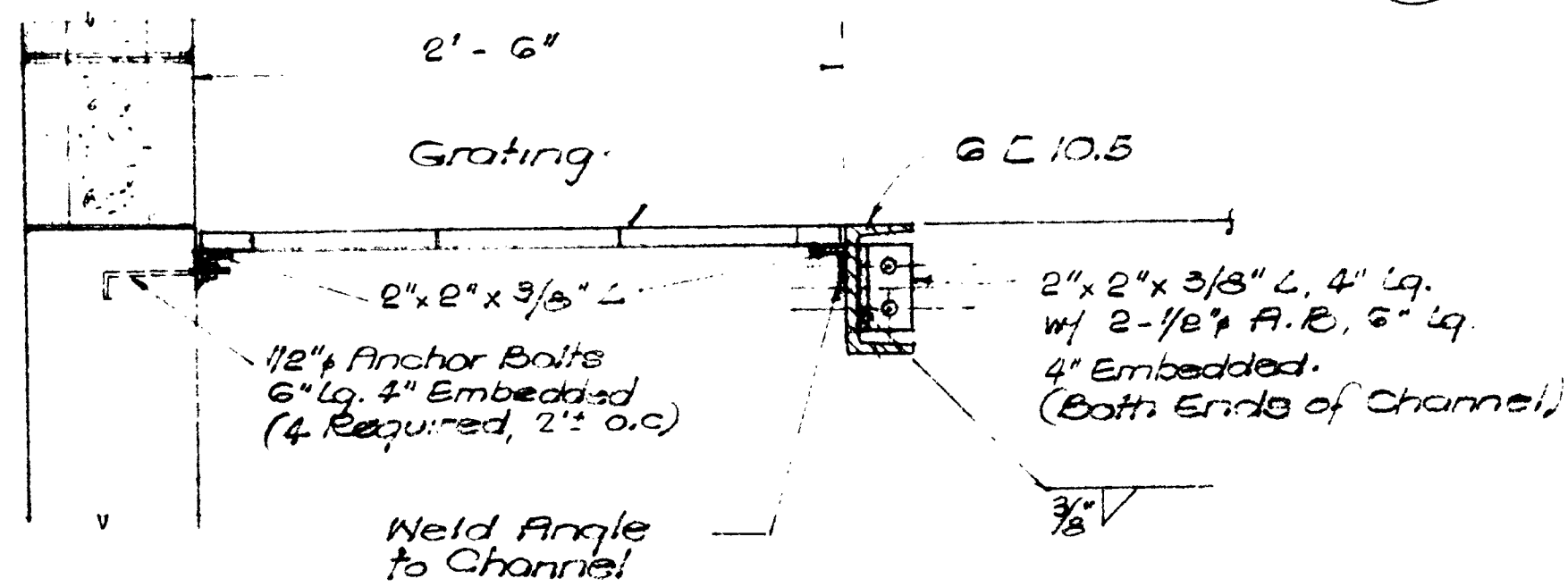
MAMMOTH COUNTY WATER DISTRICT
Mono County, California

SCHED II, WELL - PUMP STATION DETAILS

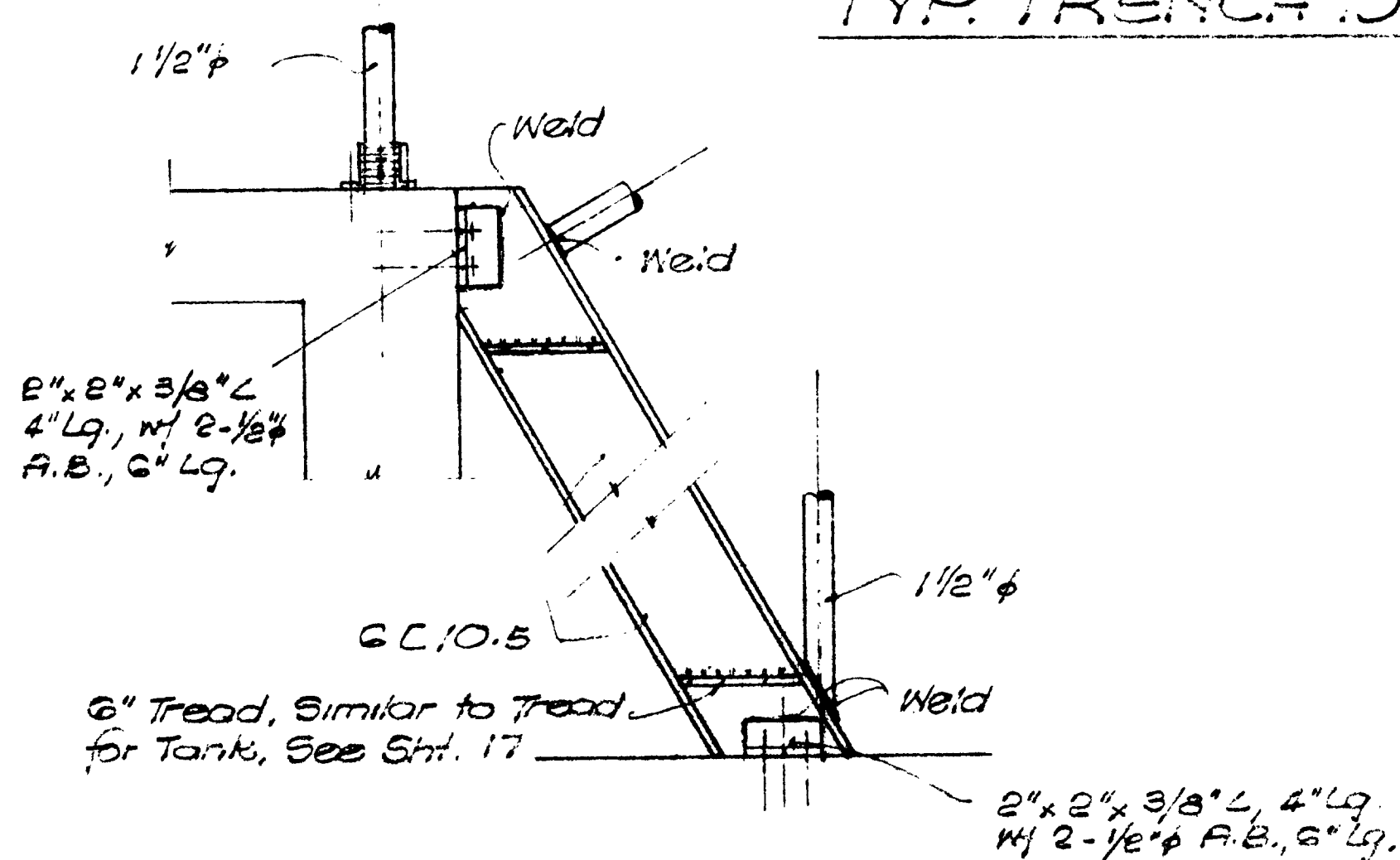
10293
SHEET 20
OF 23



DETAIL (1)
1\"/>



DETAIL (2)
1/2\"/>



DETAIL (3)
1/2\"/>

DETAIL (4)
3\"/>

AS BUILT
DATE 9/29/79

JOB NO. 247		DATE 4/18/78	
DRAWN b.c.		DATE 4/14/78	
CHECKED d.f.p.		DATE 4/14/78	
REVISIONS NO. DATE DESCRIPTION BY			

4/18/78
13, 5/2



GRAM/PHILLIPS ASSOCIATES, INC.

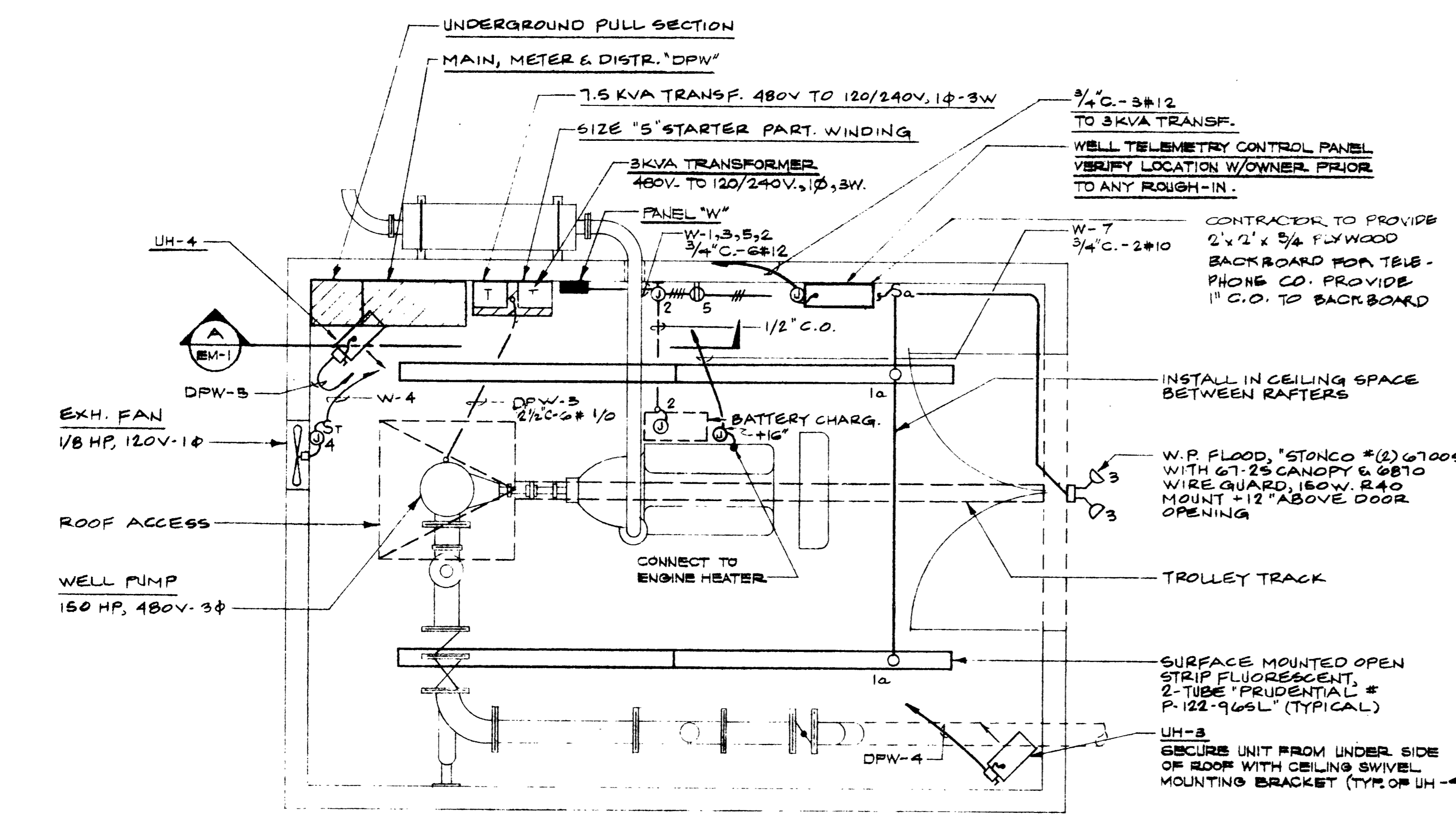
1000 EAST WALNUT STREET/SUITE 222/PASADENA, CALIFORNIA 91106/PHONE (213) 881-0291

ENGINEERING / RESEARCH
ENVIRONMENTAL SYSTEMS

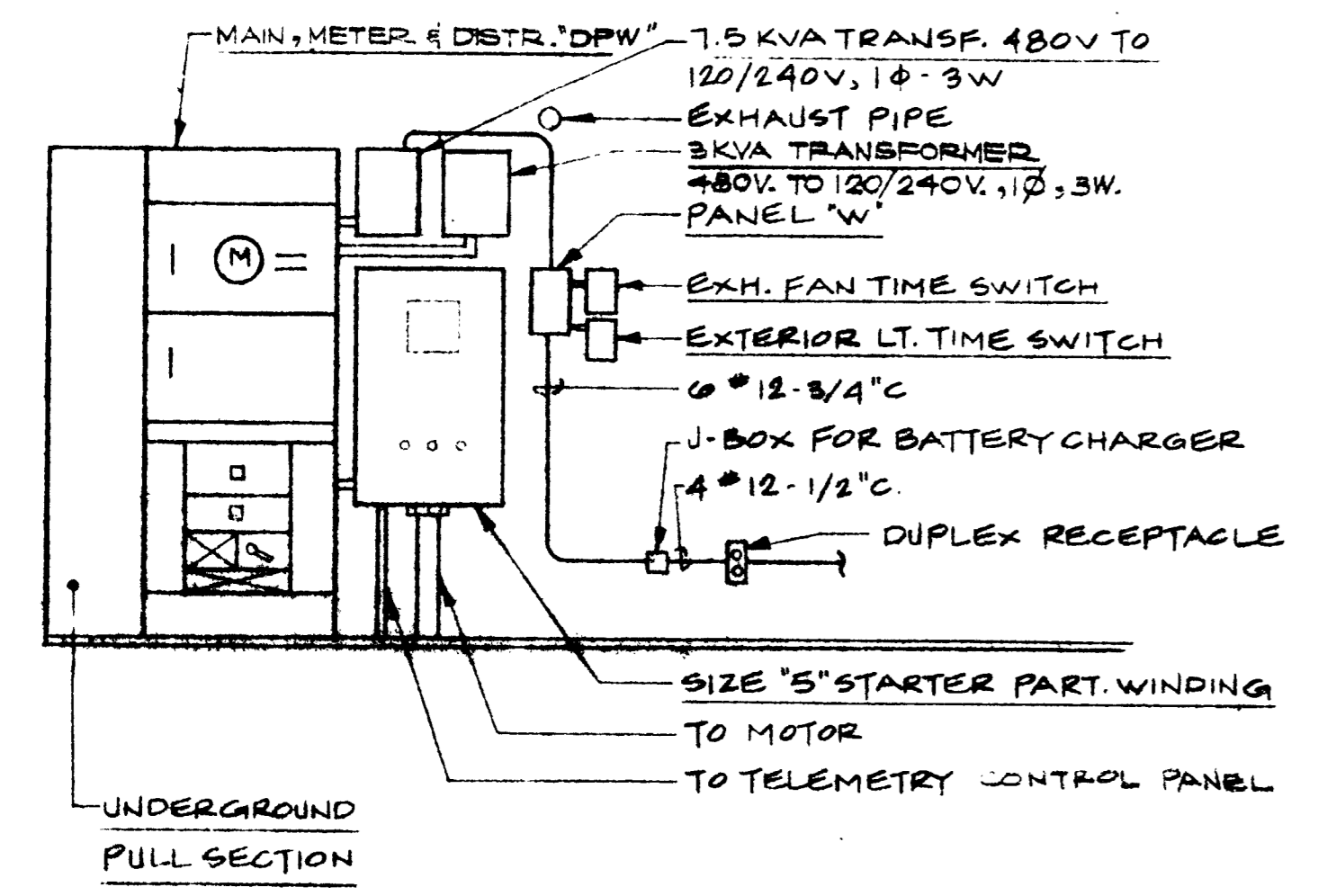
PROFILES & MISCELLANEOUS DETAILS

10294

SHEET 21
OF 23



WELL PUMP STATION FLOOR PLAN
 SCALE: 3/8" = 1'-0" EM-1



ELEVATION
 NOT TO SCALE A EM-1

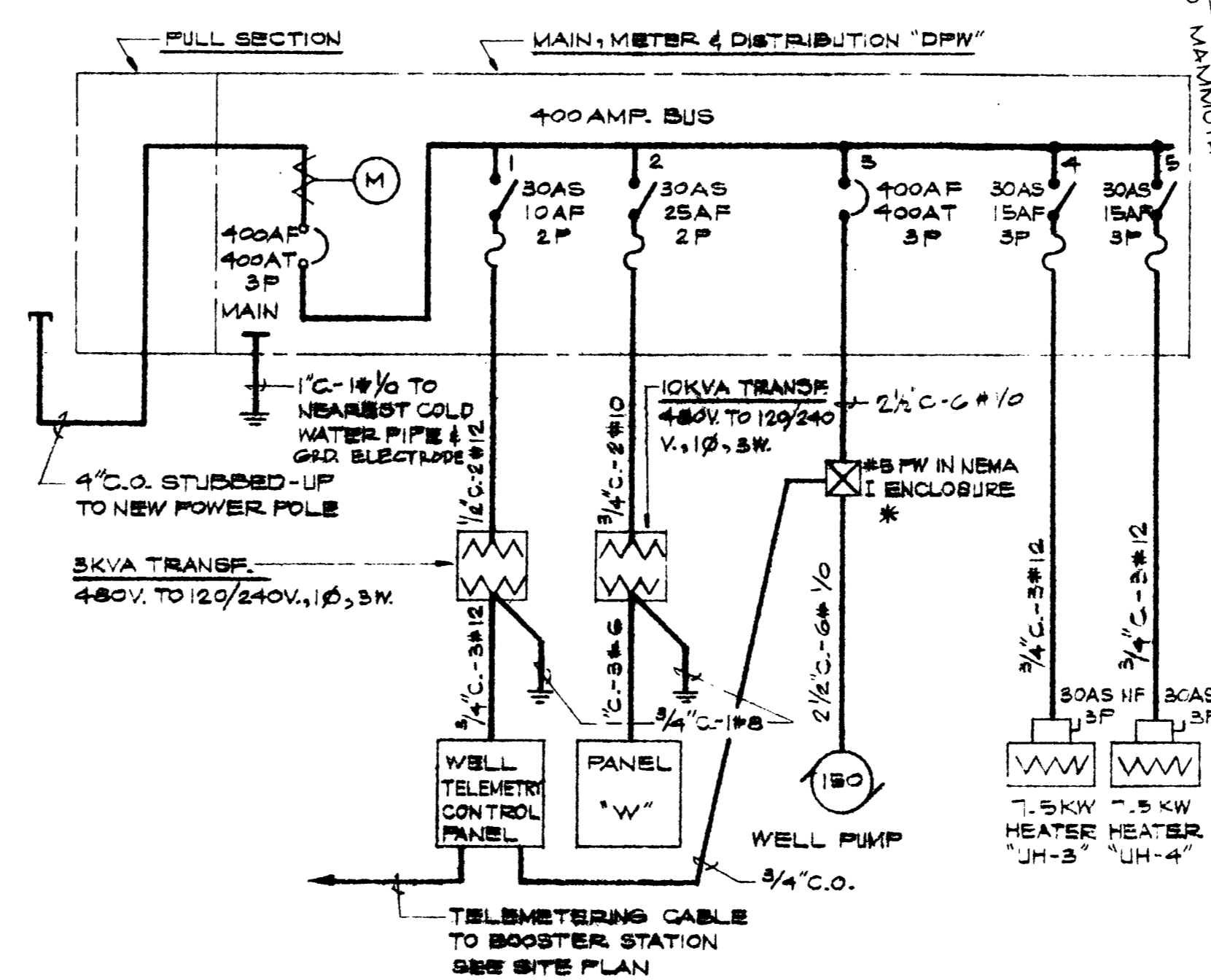
PANEL "W" SCHEDULE MAIN BKR.

CKT. NO.	BKR. P-A	OUTLET	WATTS	L1	L2	DESCRIPTION
1	1-20		680			GEN. LTS.
2	1-20		1000			BATTERY CHARG.
3	1-20		360			OUTDOOR LTS.
4	1-20		500			EXH. FAN
5	1-20		1000			CONTROL FOR TIME SW.
6	1-20		1000			SPARE
7	1-20		2500			3φ TRIPPH ENGINE HEATER
8	1-20		1000			SPARE
			3080	4360		
			LCL: 510			
			TOTAL: 8550			
			TOTAL AMPS CONNECTED = 33.5 A.			
			TOTAL AMPS W/LCL = 35.2 A.			

⊕ PROVIDE LOCK-ON DEVICE
 ● CONTROLLED BY A SPST TIME SWITCH "TORK #7100ZL"
 ▲ CONTROLLED BY A SPDT TIME SWITCH "TORK #8001"

LOAD SUMMARY
 DISTRIBUTION "DPW" 277/480V, 3φ, 4W.

CKT. NO.	DESCRIPTION	HP	KW	AMPS
1	3KVA TRANSFORMER		3	6.3
2	10KVA TRANSFORMER		10	22.8
3	WELL PUMP	150	180	
4	HEATER "UH-3"		7.5	9
5	HEATER "UH-4"		7.5	9
TOTAL		150	28	225.1
TOTAL + 25% OF LARGEST MOTOR				= 225.1 + 45 = 270.1 AMPS. AT 480V, 3φ

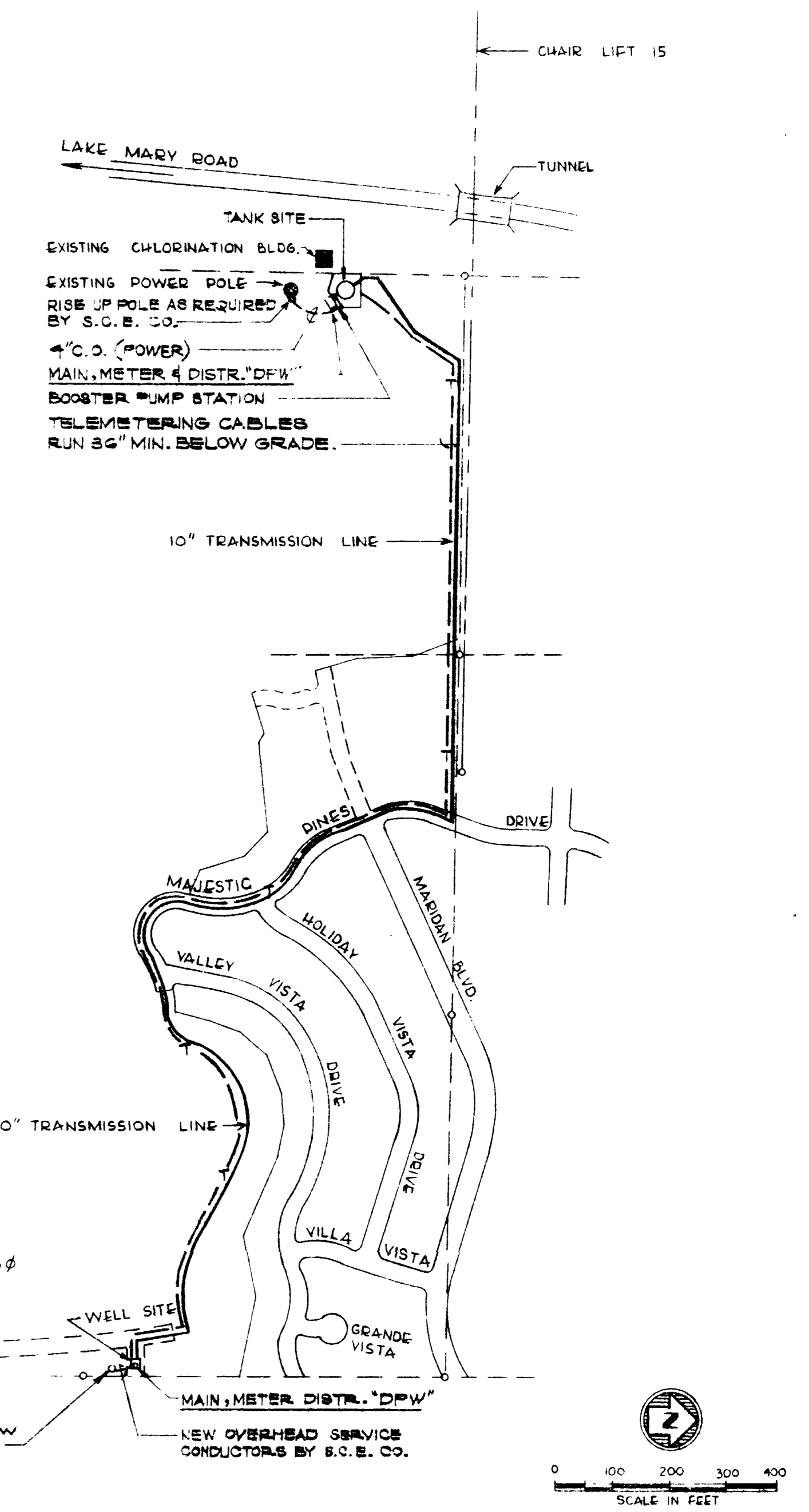


SINGLE LINE DIAGRAM
 NOT TO SCALE

NOTE:
 * CONTRACTOR SHALL VERIFY THAT TYPE OF REDUCED STARTER IS COMPATIBLE WITH TYPE OF MOTOR SUPPLIED.

LEGEND

SYMBOL	DESCRIPTION
S	SINGLE POLE TOGGLE SWITCH + 54"
□	FLUORESCENT OPEN STRIP FIXTURE
⊕	JUNCTION BOX 4" SQ. X 1 1/2" D.
—T—	TELEMETRING CABLE
□	UNIT HEATER
□	DISCONNECT SWITCH, NON-FUSIBLE, HP RATED
⊕	DUPLEX CONVENIENCE RECEPTACLE 3/4" TYPE, +12" IF NOT NOTED
⊗ PW	MAGNETIC MOTOR STARTER, HP RATED, PW INDICATES PART WINDING TYPE.
S _T	MANUAL MOTOR STARTER WITH THERMAL OVERLOAD, HP RATED
---	CONDUIT RUN CONCEALED IN OR BELOW FLOOR SLAB OR BELOW GRADE 3/4" C.-2#12 IF NOT NOTED
	1/2" C.-3#12
	3/4" C.-4#12
←	CIRCUIT 148 IN 1/2" C.-3#12 HOMERUN TO PANEL "B"
○	CONDUIT STUB-UP
○	CONDUIT STUB-DOWN
⊕	MOTOR OUTLET, 10 HP
—	GROUND RUN TO NEAREST COLD WATER PIPE
W.P.	WEATHERPROOF
C.O.	CONDUIT ONLY WITH PULL-WIRE
---	CONDUIT RUN CONCEALED ABOVE GRADE 3/4" C.-2#12 IF NOT NOTED.



SITE PLAN
 SCALE: 1" = 200'

CONTROL ROOM
 NOT TO SCALE

GENERAL NOTE
 CONTROL BLDG. IS LOCATED AT THE MAMMOTH COUNTY WATER DISTRICT OFFICE LOCATED ON HIGHWAY 208 APPROXIMATELY 1/2 MILES EAST OF MAMMOTH LAKE COMMUNITY.

AS BUILT
 DATE 2/12/79

ELECTRICAL

JOB NO.		DATE	
NO.	DATE	DESCRIPTION	BY
DRAWN D.S. C.W.		DATE 4/12/78	
CHECKED		DATE	
REVISIONS		DATE	

GP GRAM/PHILLIPS ASSOCIATES, INC.
 ENGINEERING/RESEARCH ENVIRONMENTAL SYSTEMS
 STORMS & LOWE CONSULTING ENGINEERS
 606 WILSHIRE BLVD.
 SANTA MONICA, CALIF. 90401
 393-3724
 10/1/78: 2013
 5/22/79

SEISMIC AND STRUCTURAL SERVICES

May 1, 2024

REQUEST FOR QUALIFICATIONS – ADDENDUM 1

ATTACHMENT 2 – LINKS FOR TANK T2 (JUNIPER RIDGE) 2015 AND 2021 INSPECTION VIDEOS



Tank T2 (Juniper Ridge) 2015 inspection video:

[T2_Inspection_9-14-2015.m4v.m4v](#)

Tank T2 (Juniper Ridge) 2021 inspection video:

[Mammoth CWD Tank T-2 Project Video 9-22-2021.mp4](#)

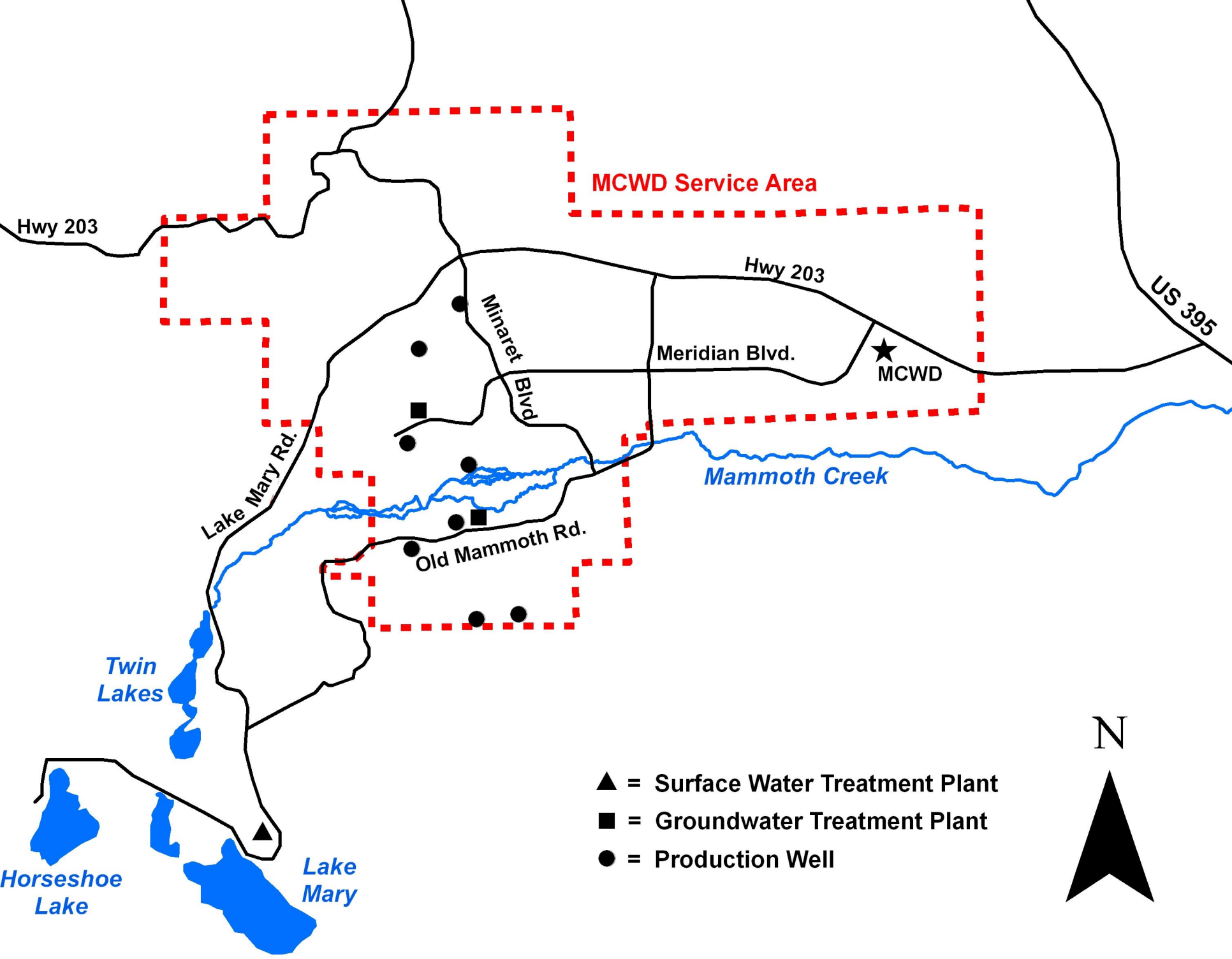
SEISMIC AND STRUCTURAL SERVICES

May 1, 2024

REQUEST FOR QUALIFICATIONS – ADDENDUM 1

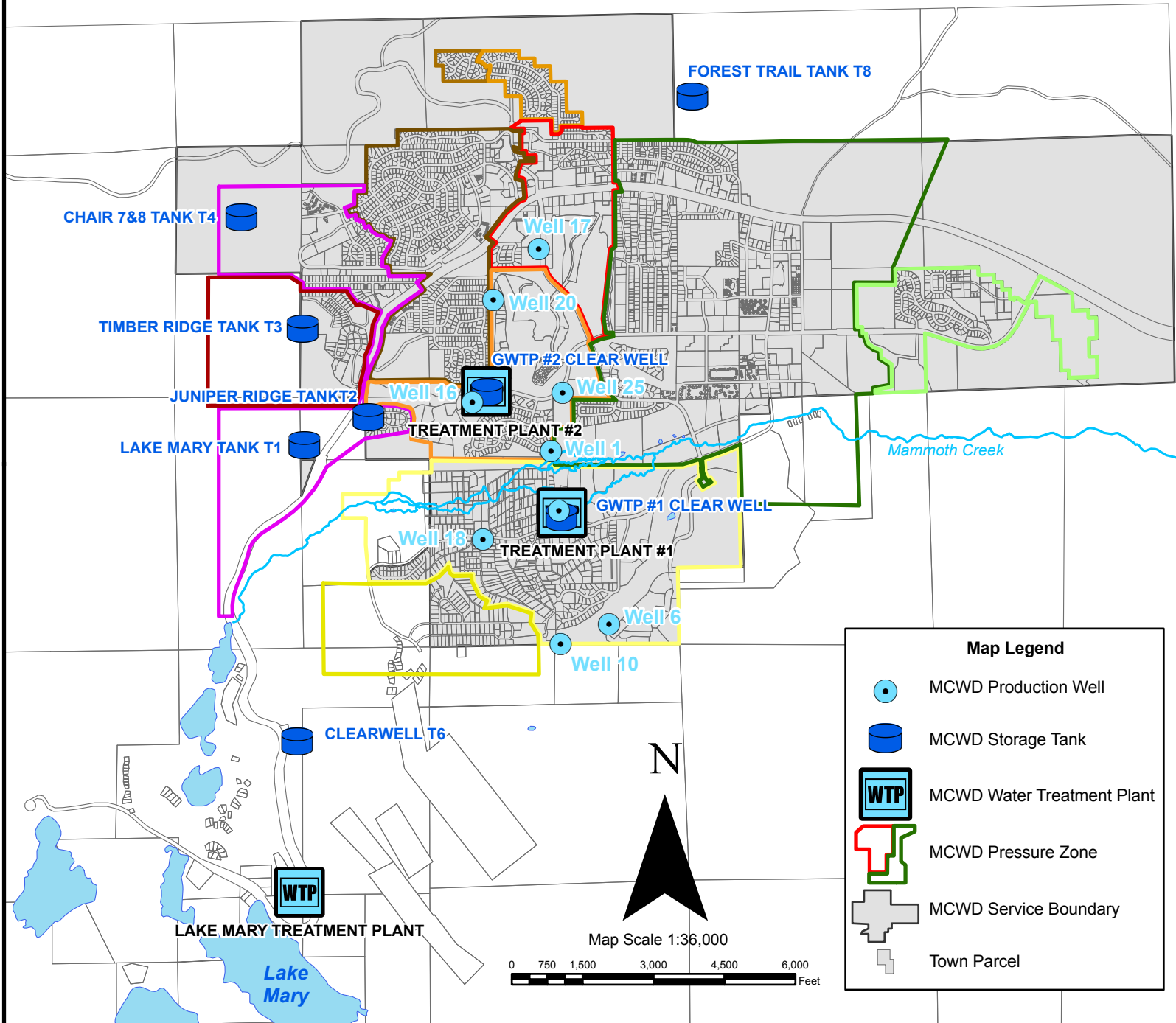
ATTACHMENT 3 – MAPS OF MCWD WATER AND SEWER SYSTEMS





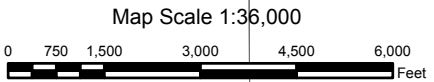
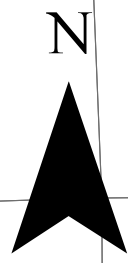
KNOLLS TANK T5

MCWD WATER FACILITIES MAP



Map Legend

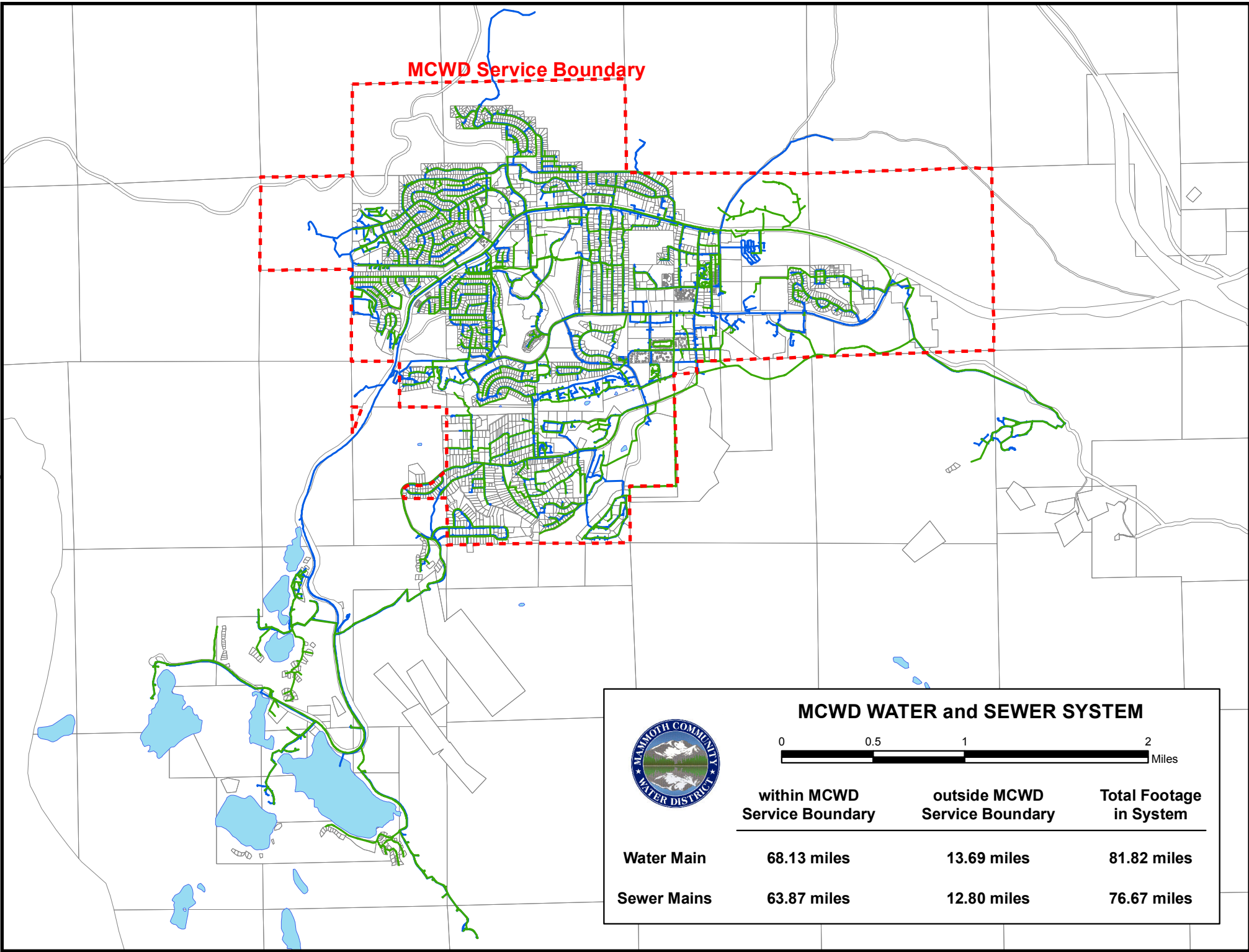
- MCWD Production Well
- MCWD Storage Tank
- MCWD Water Treatment Plant
- MCWD Pressure Zone
- MCWD Service Boundary
- Town Parcel



LAKE MARY TREATMENT PLANT

Lake Mary

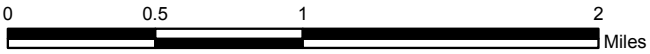
Mammoth Creek



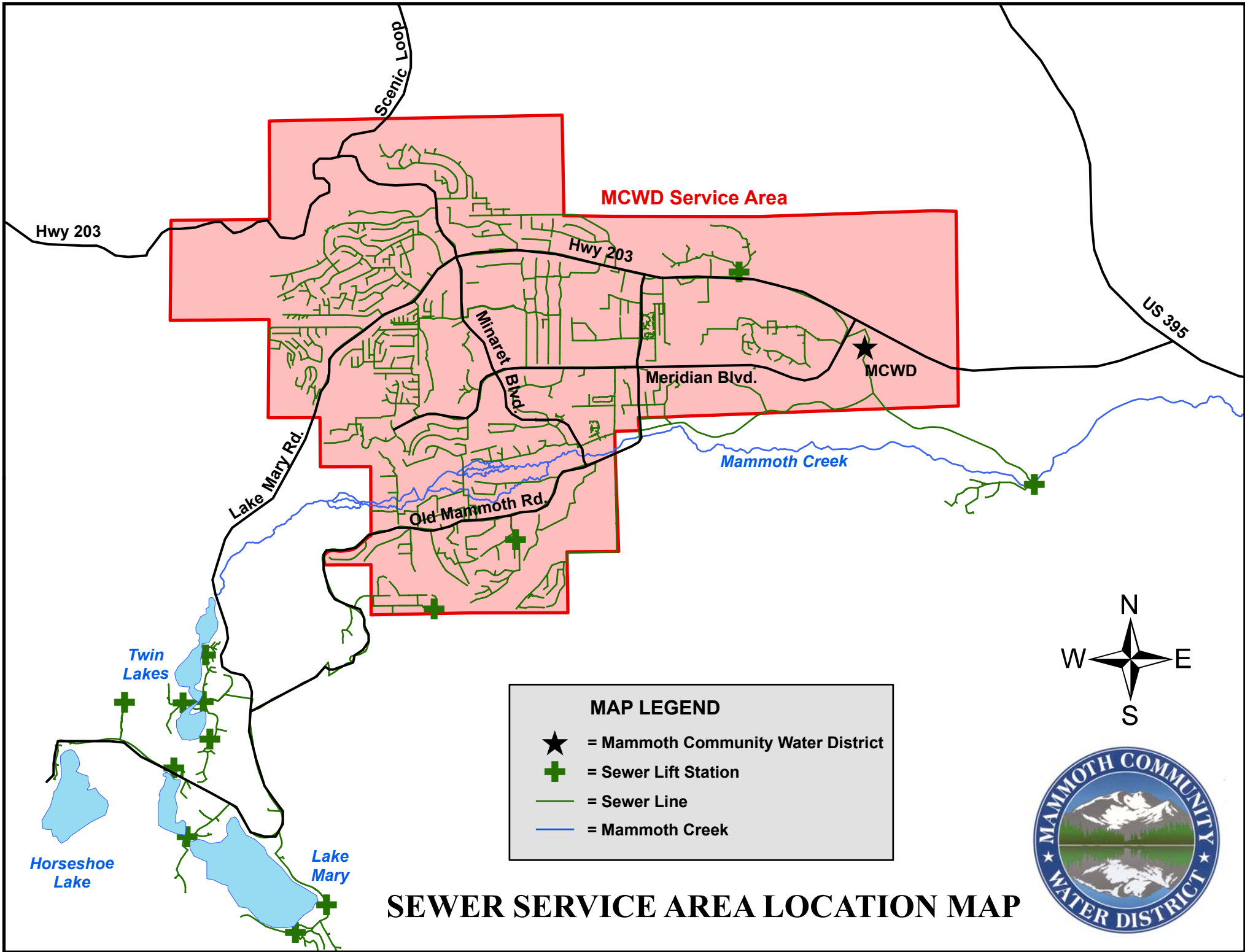
MCWD Service Boundary



MCWD WATER and SEWER SYSTEM



	within MCWD Service Boundary	outside MCWD Service Boundary	Total Footage in System
Water Main	68.13 miles	13.69 miles	81.82 miles
Sewer Mains	63.87 miles	12.80 miles	76.67 miles



MCWD Service Area

Hwy 203

Hwy 203

US 395

MCWD

Mammoth Creek

Lake Mary Rd

Minaret Blvd

Meridian Blvd.

Old Mammoth Rd.

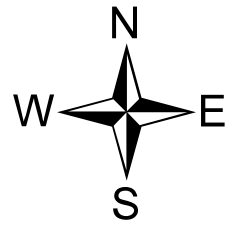
Twin Lakes

Horseshoe Lake

Lake Mary

MAP LEGEND

- ★ = Mammoth Community Water District
- + = Sewer Lift Station
- = Sewer Line
- = Mammoth Creek



SEWER SERVICE AREA LOCATION MAP

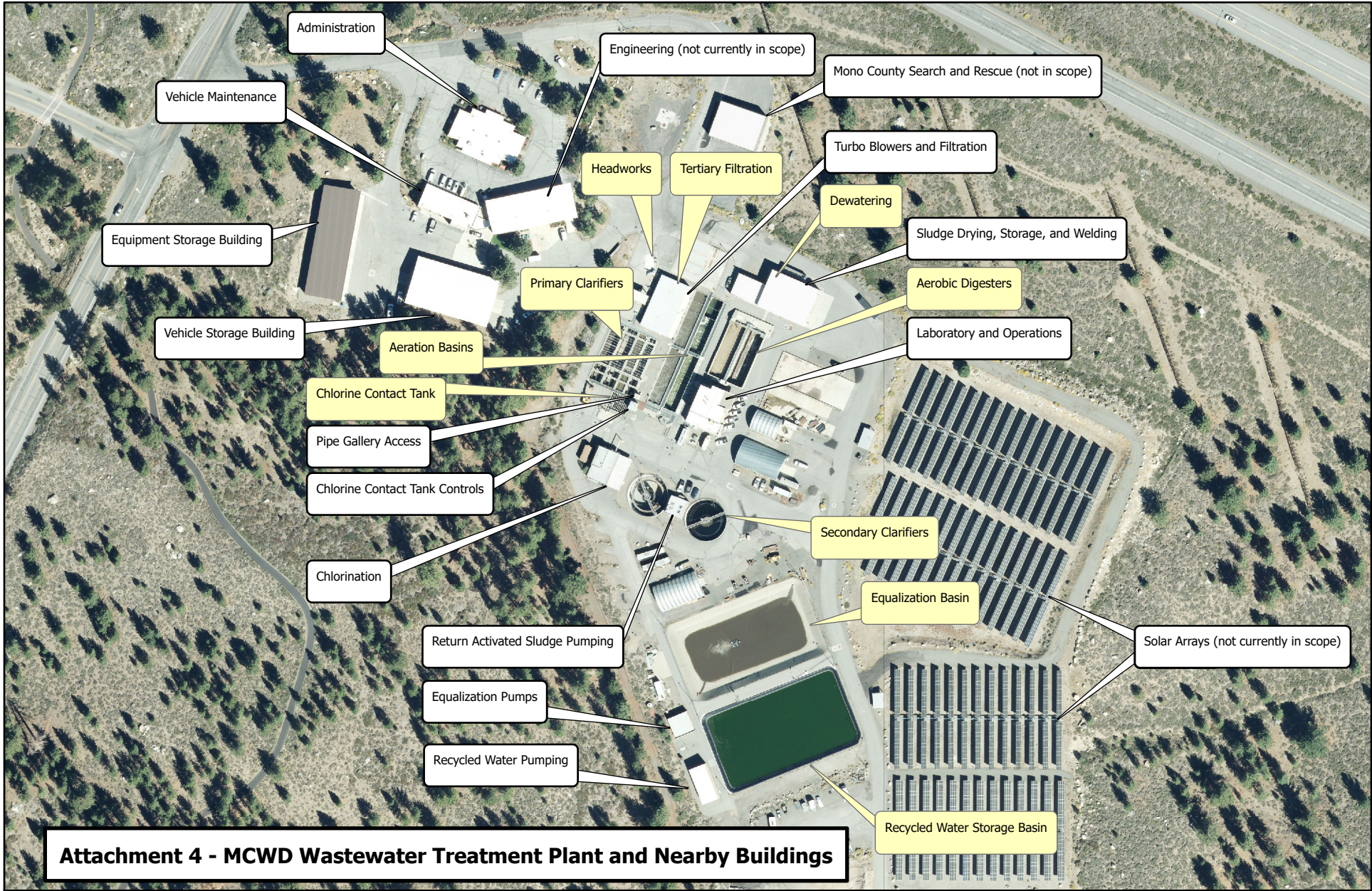
SEISMIC AND STRUCTURAL SERVICES

May 1, 2024

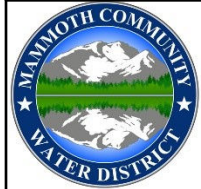
REQUEST FOR QUALIFICATIONS – ADDENDUM 1

ATTACHMENT 4 – LABELLED MAP OF MCWD WASTEWATER TREATMENT PLANT AND NEARBY BUILDINGS





Attachment 4 - MCWD Wastewater Treatment Plant and Nearby Buildings



**MAMMOTH COMMUNITY
WATER DISTRICT**

1315 Meridian Boulevard
 P.O. Box 597 Mammoth Lakes, CA 93546
 (760) 934-2596 Fax: (760) 934-2143



SEISMIC AND STRUCTURAL SERVICES

May 1, 2024

REQUEST FOR QUALIFICATIONS – ADDENDUM 1

ATTACHMENT 5 – PHOTOS OF DAMAGE AT TANK T8 (FOREST TRAIL) AND THE EQUALIZATION PUMPING BUILDING



Equalization Pumps Building Partial Roof Collapse, 2023



Equalization Pumps Building Partial Roof Collapse, 2023



Equalization Pumps Building Partial Roof Collapse, 2023



Equalization Pumps Building Partial Roof Collapse, 2023



Equalization Pumps Building Partial Roof Collapse, 2023



Equalization Pumps Building Partial Roof Collapse, 2023



Tank T8 (Forest Trail) Failure, 2023



Tank T8 (Forest Trail) Failure, 2023



Tank T8 (Forest Trail) Failure, 2023



Tank T8 (Forest Trail) Failure, 2023



Tank T8 (Forest Trail) Failure, 2023



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