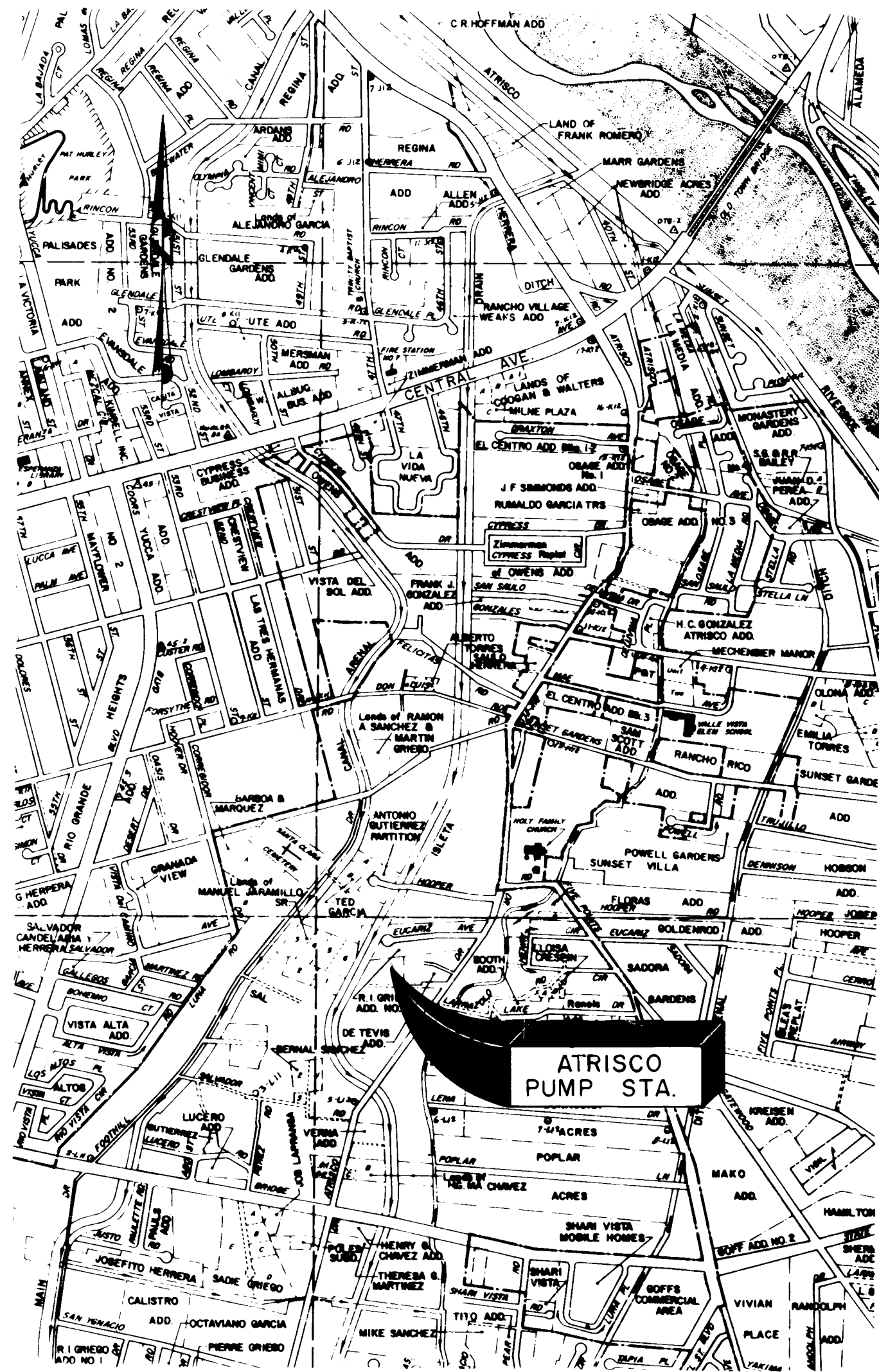
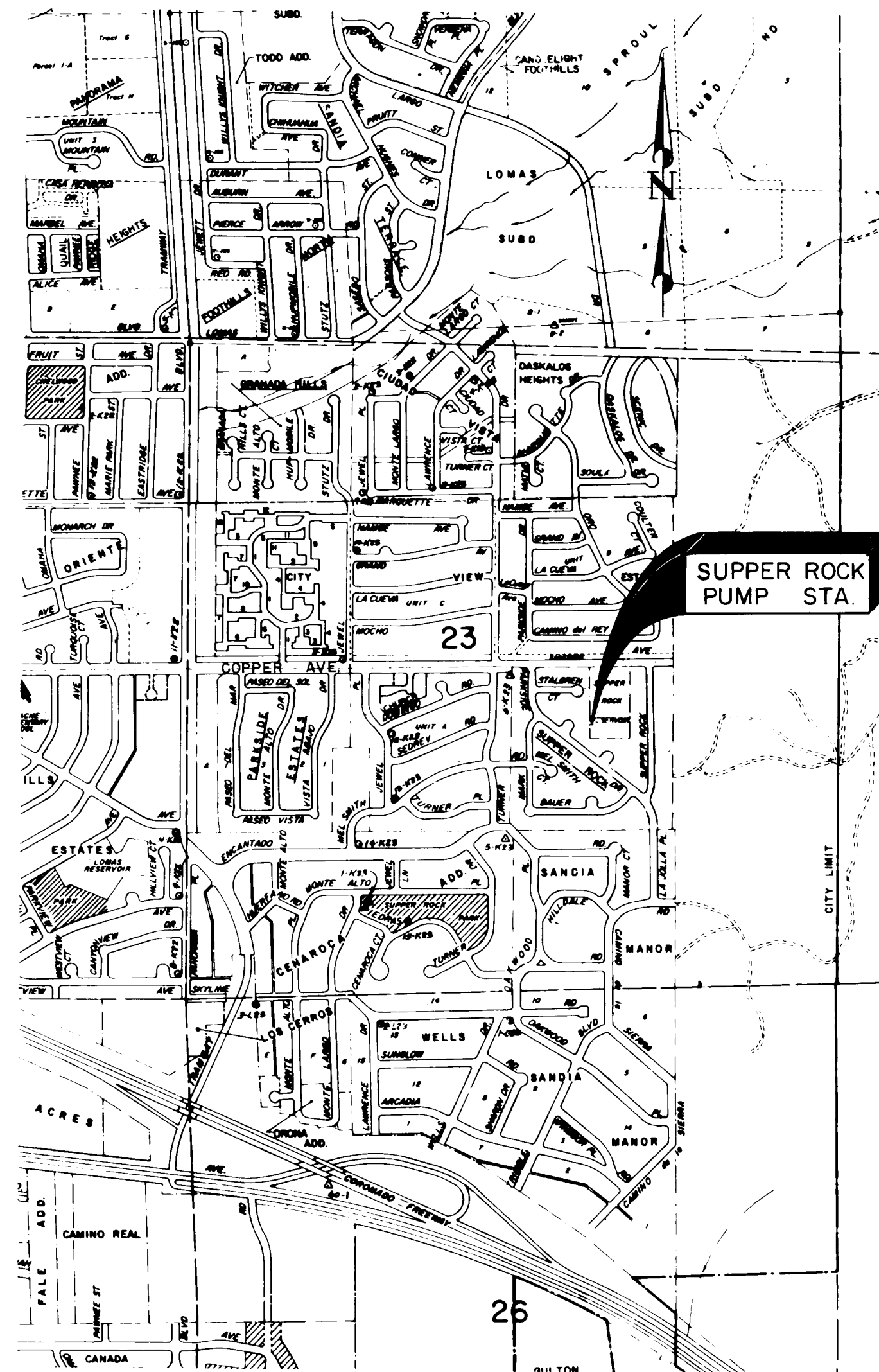




LOCATION MAP
SCALE: 1"=1000'



LOCATION MAP
SCALE: 1"=1000'



LOCATION MAP
SCALE: 1"=1000'

INDEX

SHEET N°

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- 22 of 23
- 23 of 23
- MI of MI
- EI of E2
- E2 of E2

- MOD.1 of MOD.3
MOD.2 of MOD.3
MOD.3 of MOD.3

TITLE

- ATRISCO PUMP STATION**
LOCATION MAP, INDEX AND COVER SHEET
DEMOLITION PLAN
LAYOUT PLAN
GRADING PLAN
BUILDING ELEVATIONS
BUILDING ELEVATIONS
TRANSVERSE AND LONGITUDINAL SECTION
FOUNDATION PLAN
FLOOR AND PIPING PLAN
ROOF AND SKYLITE FRAMING PLAN
ROOF DRAINAGE AND SKYLITE PLAN
WALL SECTIONS
WALL SECTIONS
DOOR SECTIONS AND DETAILS
BEARING CONNECTIONS AND MISC DETAILS
SKYLITE FRAMING DETAILS AND SECTIONS
STRUCTURAL SECTIONS
PUMP BASE, PIPE CRADLE, THRUST RESTRAINT AND EVAP COOLER DETAILS
MISCELLANEOUS DETAILS
MISCELLANEOUS DETAILS
VALVE BOX AND SUMP PIT, DRAIN MANHOLE, AND METER PIT DETAILS
SANITARY SEWER PLAN AND PROFILE - STA 0+00 TO STA 3+50
SANITARY SEWER PLAN AND PROFILE - STA 3+50 TO STA 5+71
MECHANICAL PLAN
ELECTRICAL PLAN AND DIAGRAM
ELECTRICAL SCHEDULE AND DETAILS
SUPPER ROCK PUMP STATION MODIFICATIONS
FRAMING, GRATING, AND HANDRAIL PLANS
GRATING, AND HANDRAIL DETAILS
ATRISCO RESERVOIR AND ADOBE ACRES MODIFICATIONS
SAFETY GATE AT ATRISCO RESERVOIR AND DEMOLITION OF ADOBE ACRES RESERVOIR SITE

ATRISCO PUMP STATION

EXTRA SET
SEE 26-3133-84
AS BUILT PROJECT

NOTICE TO CONTRACTORS

New Mexico Standard Specifications for Public Works Construction - 1979 Edition will be referred to hereon as the "Standard Specification."

All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with "Contract Documents for City-Wide Utilities and Cash Paving No. 30 and the Standard Specification."

Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234 for location of existing utilities.

Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with a minimum amount of delay.

WATER RESOURCES DEPARTMENT
APPROVAL OF AS BUILT DRAWINGS
[Signature]
DATE 1/13/84

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 1687-11 01/84

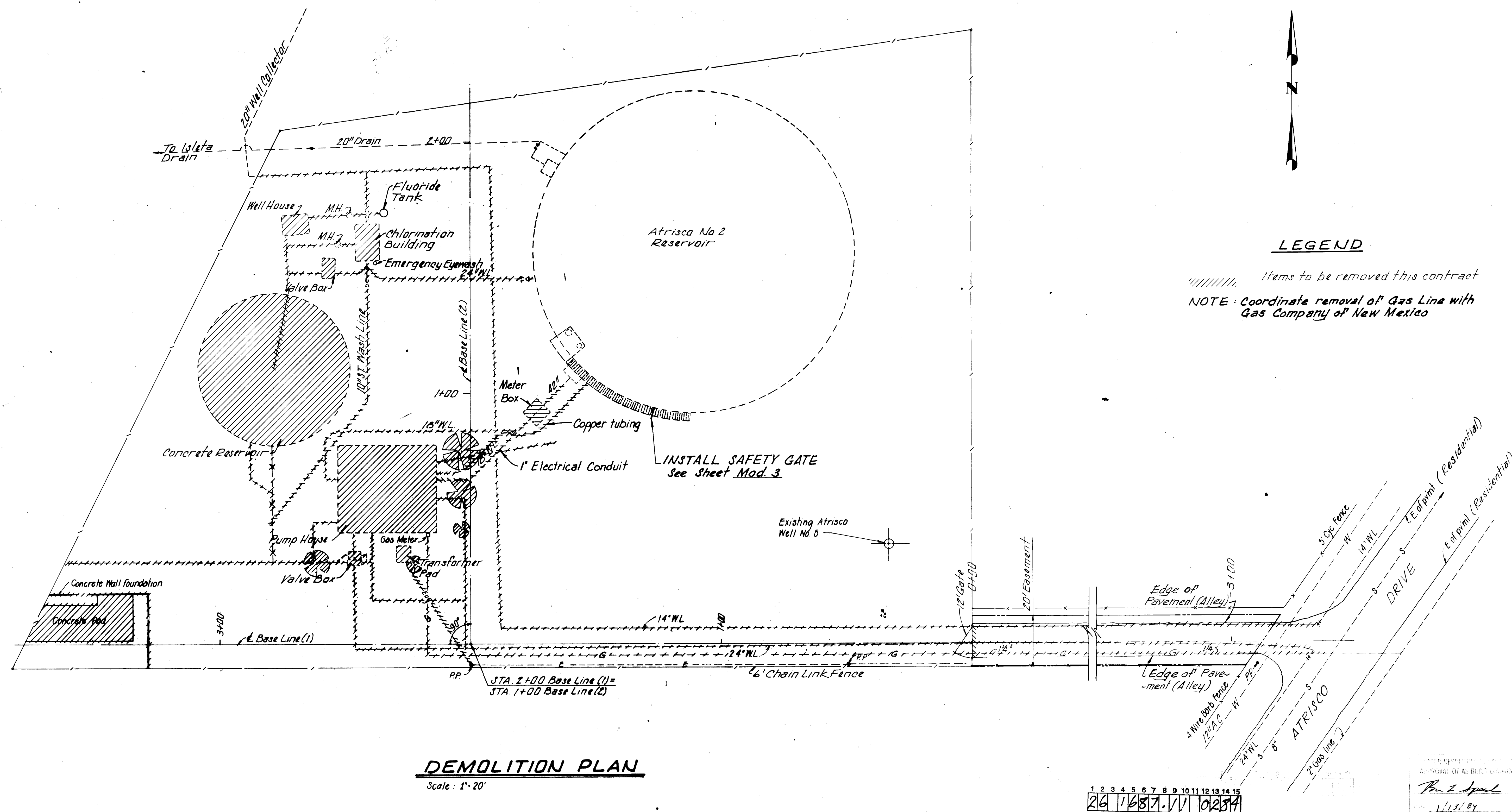
GORDON HERKENHOFF & ASSOCIATES, INC.
302 Eighth Street, N.W.
Albuquerque, New Mexico 87102
(505) 247-0294

AS BUILT INFORMATION
CONTRACTOR: *Leif Nowlin CONST.*
INSPECTOR: *Doug May*
ACCEPTANCE DATE FOR BENEFICIAL OCCUPANCY: *March 18, 1983*
WORK STATED BY: *GH&A*
FIELD VERIFICATION BY: *GH&A*

RECORD DRAWING
DATE: *AUG 17 1983*
These drawings have been revised based on field data and construction as actually performed.

JOB NO. 1687-11

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: LOCATION MAP, INDEX AND COVER SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO.			SHEET 1 OF 23		



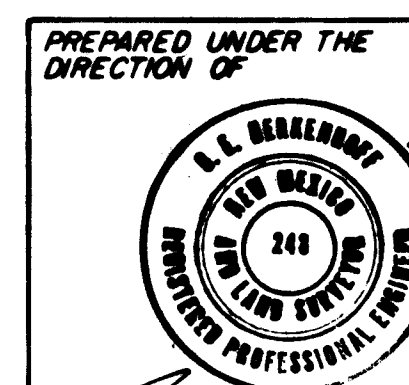
DEMOLITION PLAN

Scale: 1" = 20'

RECORD DRAWING

RECORD DRAWN
AUG 17 1983

These drawings have been revised based on field data and a very reasonable attempt has been made to depict construction as actually performed.



**APPROVED FOR
CONSTRUCTION**

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE:	ATRISCO PUMP STATION DEMOLITION PLAN
--------	---

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

DRAWING NO.	SHEET 2 OF 23
-------------	---------------



— — — Items to be built under Atrisco No.5
Well Equipment Contract

Scale: $1'' = 20'$

AUG 17 1983

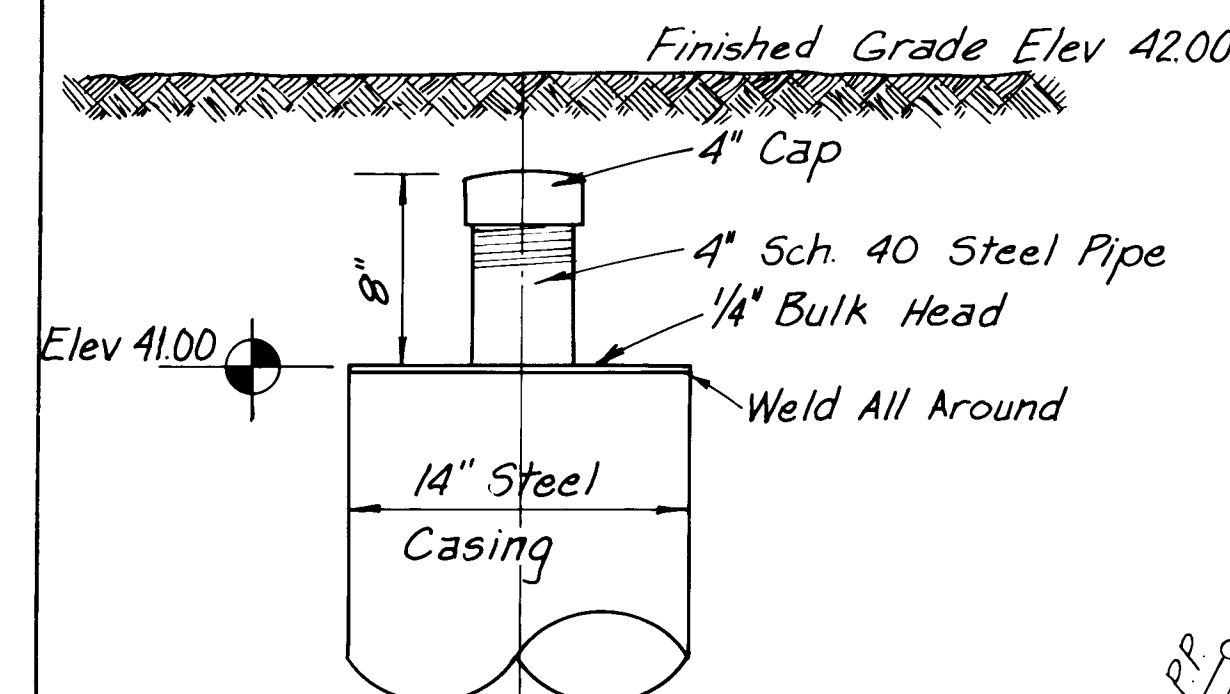
PREPARED UNDER THE
DIRECTION OF



CITY ENGINEER DATE

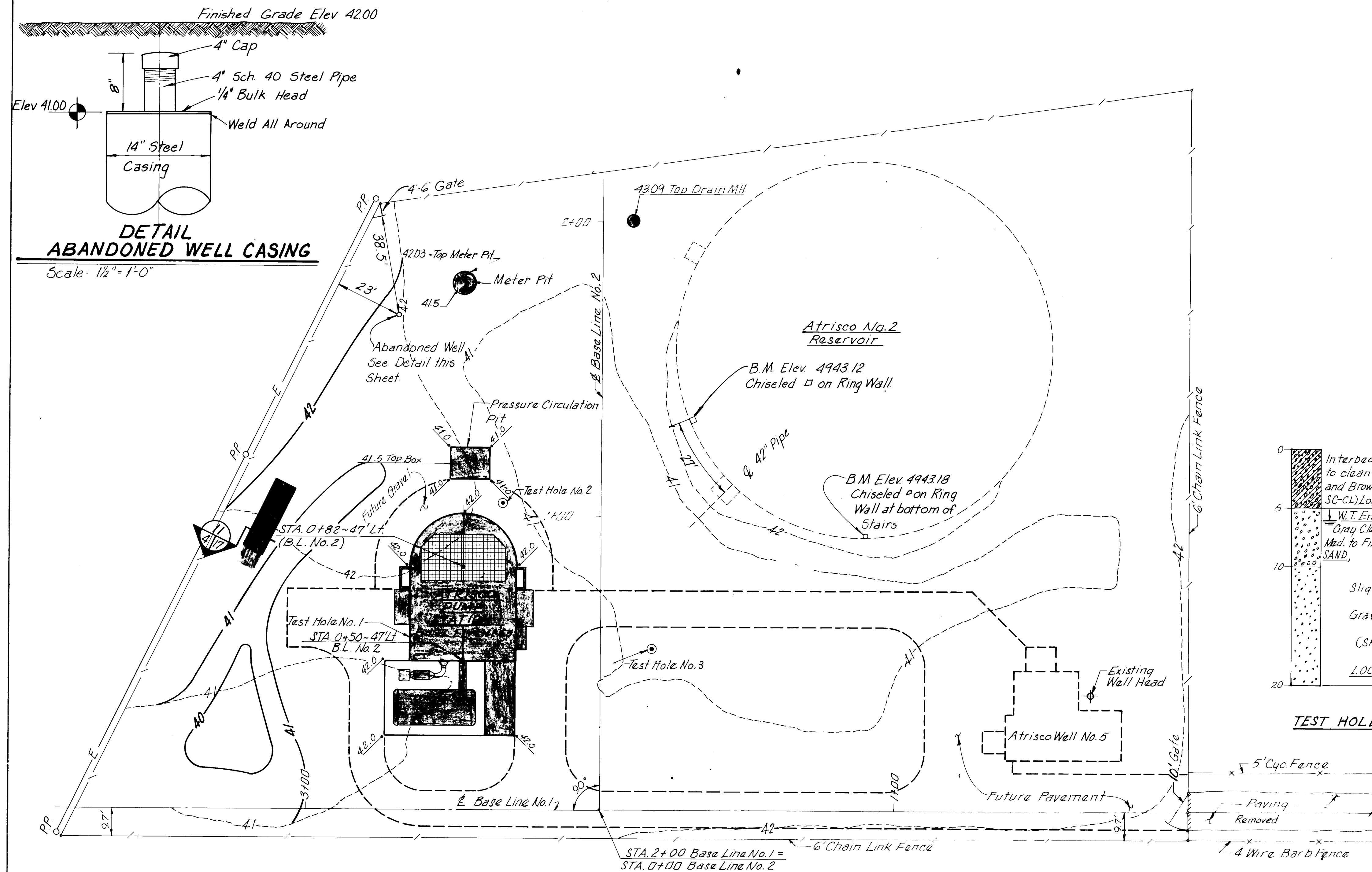
TITLE:	ATRISCO PUMP STATION LAYOUT PLAN
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DRAWING NO.	SHEET 3 OF 23
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DETAIL
ABANDONED WELL CASING

Scale: $1\frac{1}{2}" = 1'-0"$

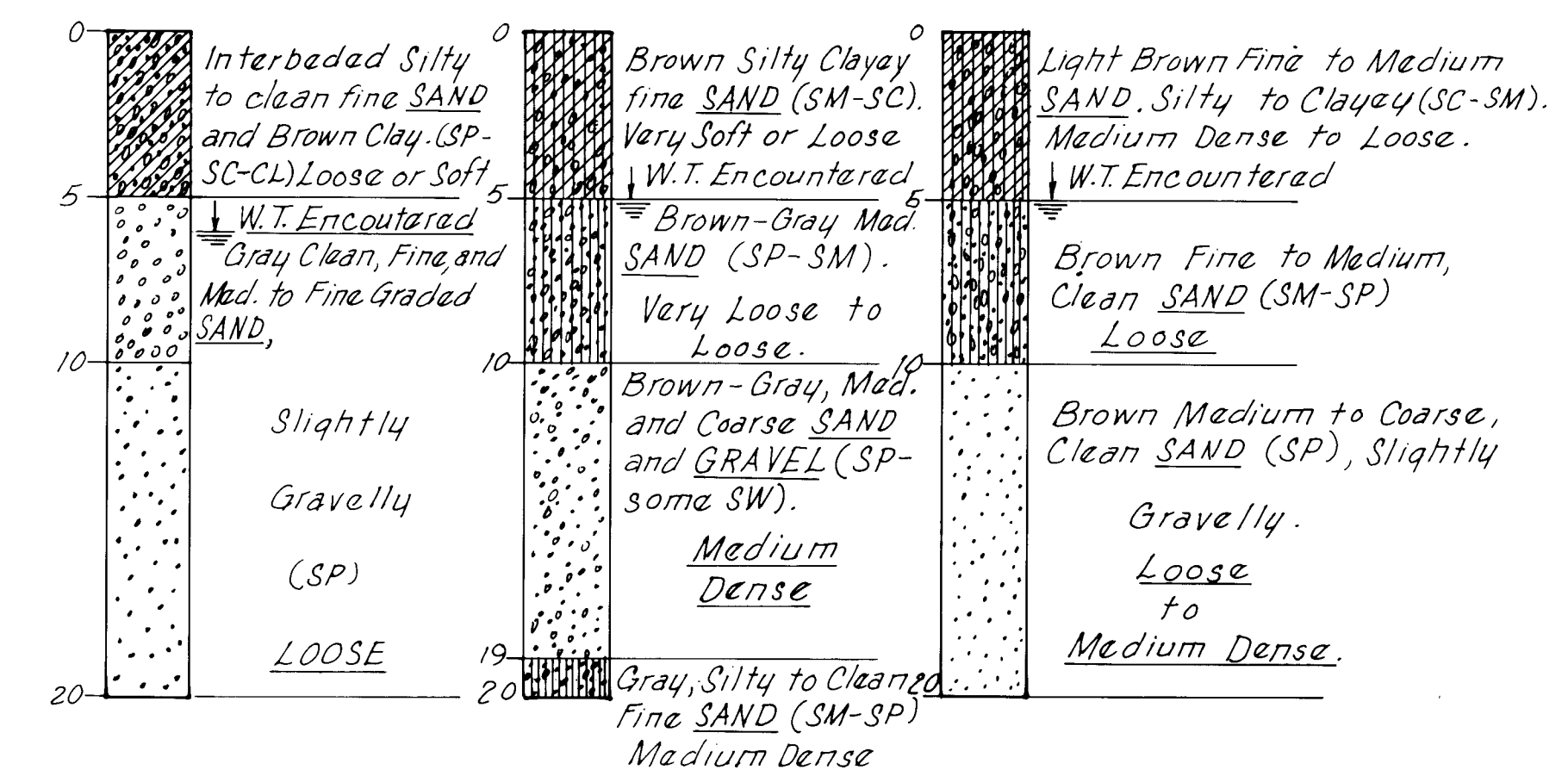


GRADING PLAN

Scale: 1"=20'

LEGEND

----- Items to be built under Atrisco No. 5
Equipment Contract



TEST HOLE No.1 TEST HOLE No.2 TEST HOLE No.3

TEST HOLE DATA

NOTE: Finish Grade shown represents top of future pavement, gravel or finish ground this project.

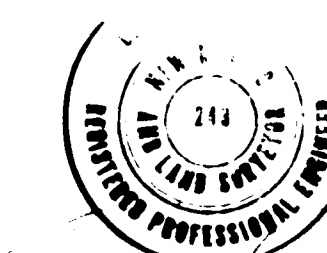
[illegible]

RECORD DRAWING

AUG 17 1983

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

PROJECT NO. 1687.11



**APPROVED FOR
CONSTRUCTION**

CITY ENGINEER

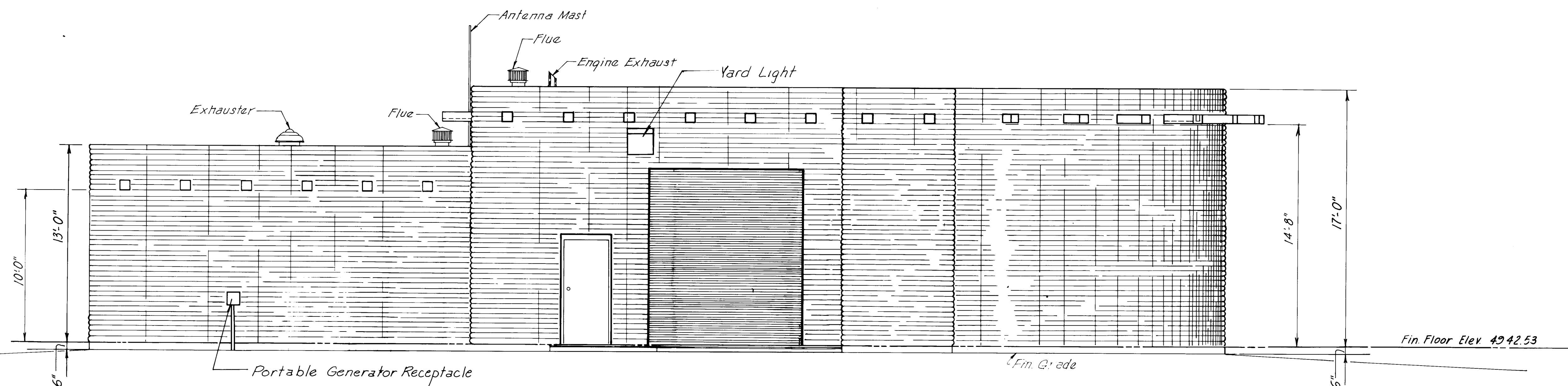
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

ENGINEERING DIVISION	
TITLE:	ATRISCO PUMP STATION GRADING PLAN

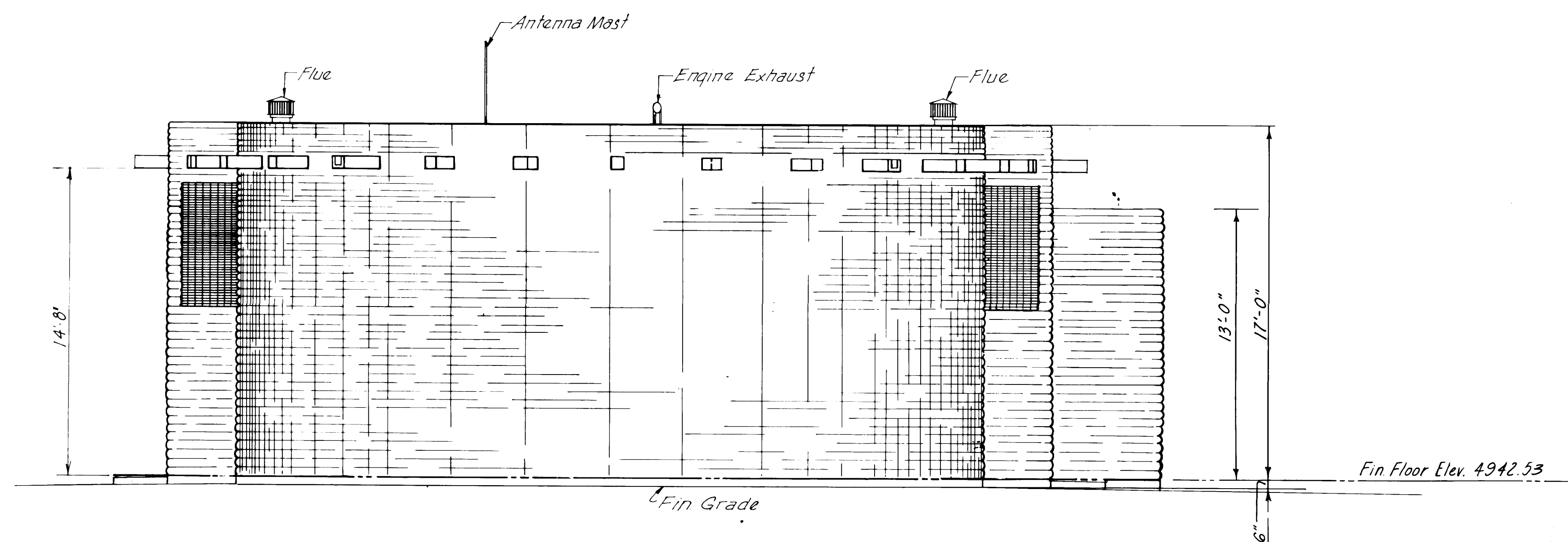
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		

DRAWING
NO.

SHEET 4 OF 23



EAST ELEVATION
Not to Scale



NORTH ELEVATION
Not to Scale

RECORD DRAWING
Date **AUG 17 1983**

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

PREPARED UNDER THE
DIRECTION OF



APPROVED FOR
CONSTRUCTION

CITY ENGINEER DATE

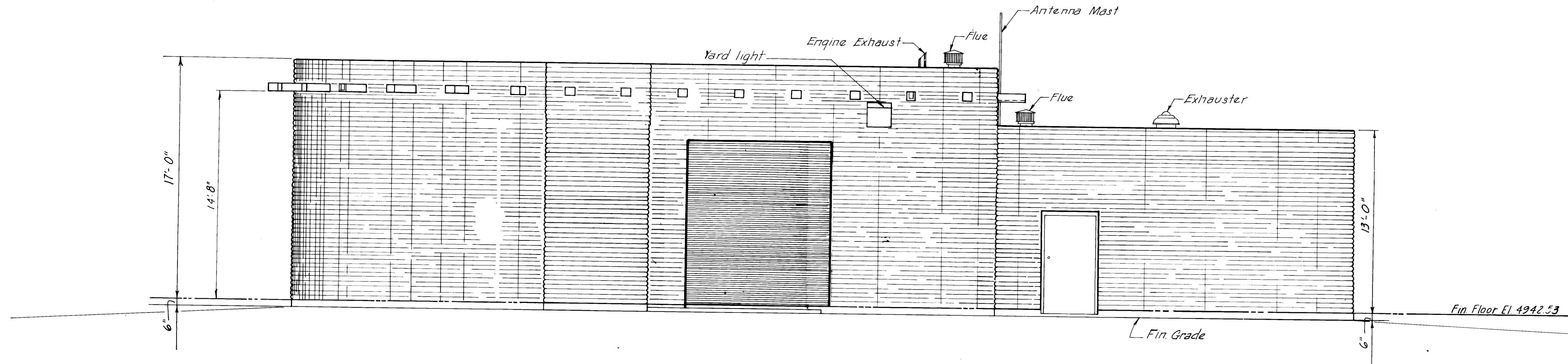
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

ATRISCO PUMP STATION
BUILDING ELEVATIONS

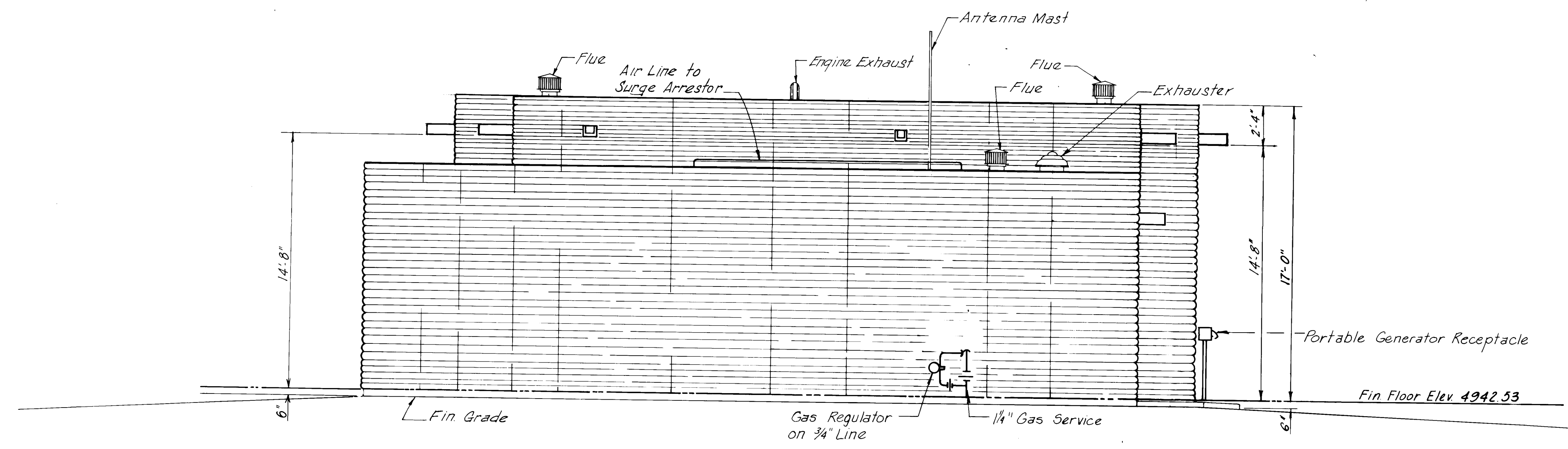
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. -Hydrology			Water		

DRAWING NO.	SHEET 5 OF 23
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[illegible]



WEST ELEVATION
Not to Scale



SOUTH ELEVATION
Not to Scale

RECORD DRAWING
Date **AUG 1 1983**
These drawings have been prepared based on field data and every reasonable attempt has been made to depict construction as actually performed.

PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

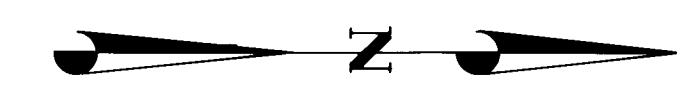
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: ATRISCO PUMP STATION BUILDING ELEVATIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO.			SHEET 6 OF 23		

|--|



LONGITUDINAL SECTION

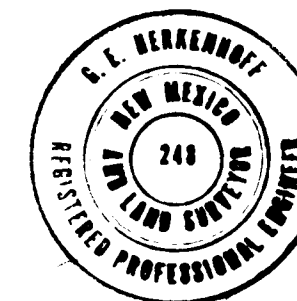
TITLE DEPARTMENT LOCATION FUNCTION SPECIAL SECTION		
CLASS	ENGINEER	DATE
e		
SHEET 7 OF		23



Scale: $\frac{1}{4}" = 1'-0"$

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

PROJECT NO. 1687.11

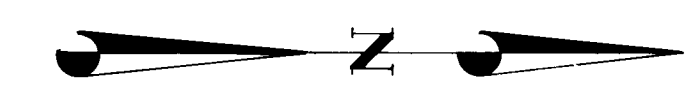


TITLE:	ATRISCO PUMP STATION FOUNDATION PLAN
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APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		

DRAWING NO.	SHEET 8 OF 23
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[illegible]



BENCH MARKS	AS BUILT INFORMATION	
	CONTRACTOR	
	WORKED BY	DATE
	INSPECTOR'S	DATE
	ACCEPTANCE BY	DATE
	VERIFICATION BY	DATE
	DRAWINGS	DATE
	SUBMITTED BY	DATE
	MICRO-FILM INFORMATION	
	RECORDED BY	DATE
	NO	

[illegible][illegible][illegible]

ERQUE		
DEPARTMENT		
VISION		
STATION		
NG PLAN		
ROVALS	ENGINEER	DATE
Waste		
SHEET 9 OF 23		

Scale : $1/4'' = 1' - 0$

RECORD DRAWING
AUG 17 1983
Date _____

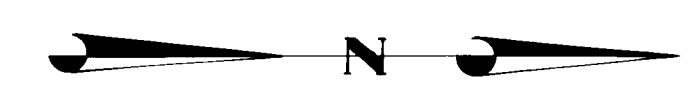
These drawings have been prepared on field data and are subject to change. No attempt has been made to depict construction actually performed.

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26	1	6	8	7	.	1	1	0	9	8	7		

APPROVED FOR

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer			Liquid Waste	
A C E - Design			Traffic	
A C E - Hydrology			Water	

DRAWING NO.	SHEET 9
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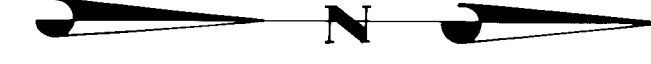


Scale: $\frac{1}{4}'' = 1'-0''$

CITY ENGINEER DATE

DRAWING NO.	SHEET 10 OF 23
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[illegible]



Scale: $1/4" = 1'-0"$

Date AUG 17 1989

These drawings have been verified based on field data and a reasonable attempt has been made to depict construction as actually performed.



**APPROVED FOR
CONSTRUCTION**

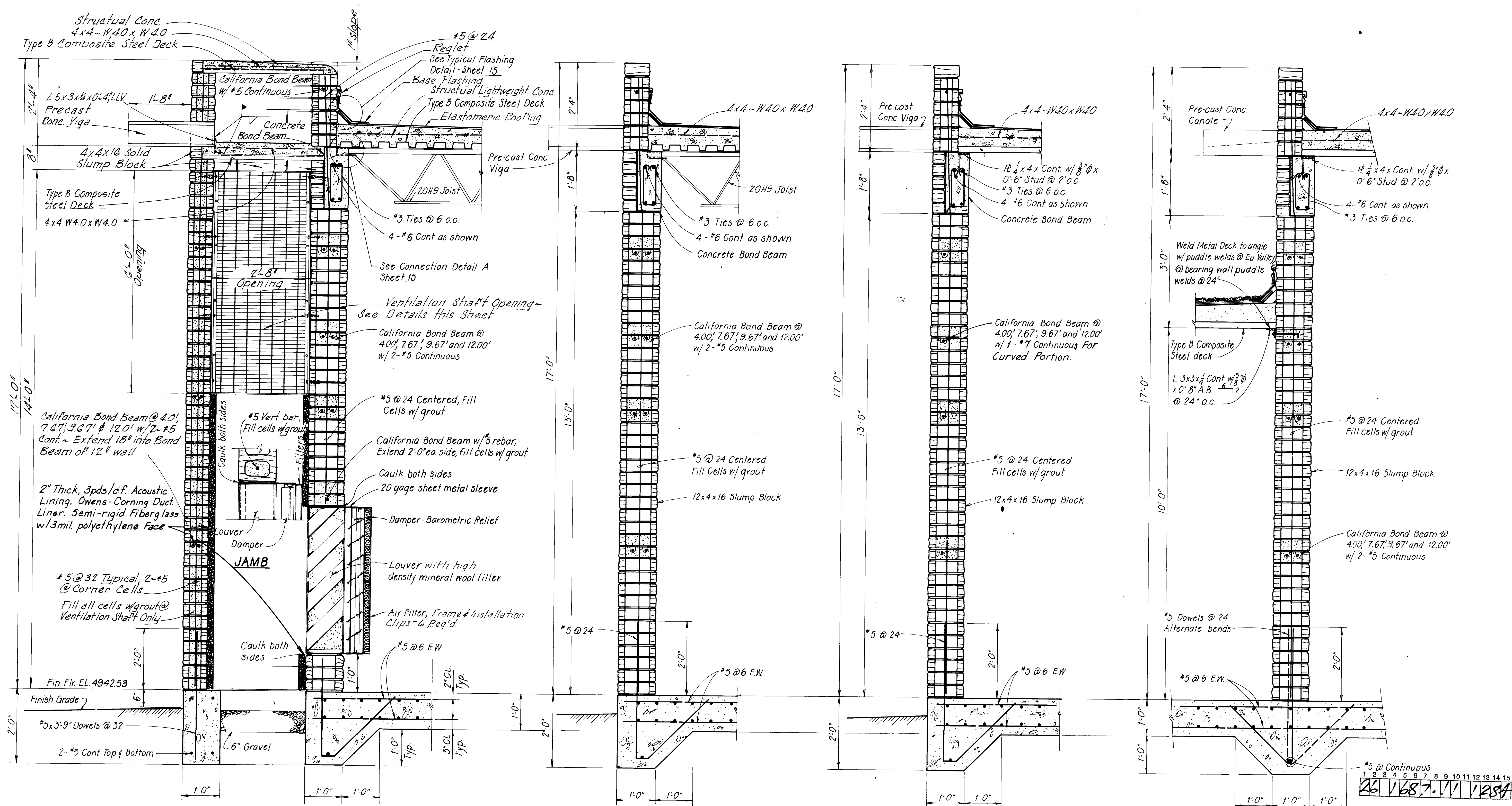
TITLE:	ATRISCO PUMP STATION
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APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
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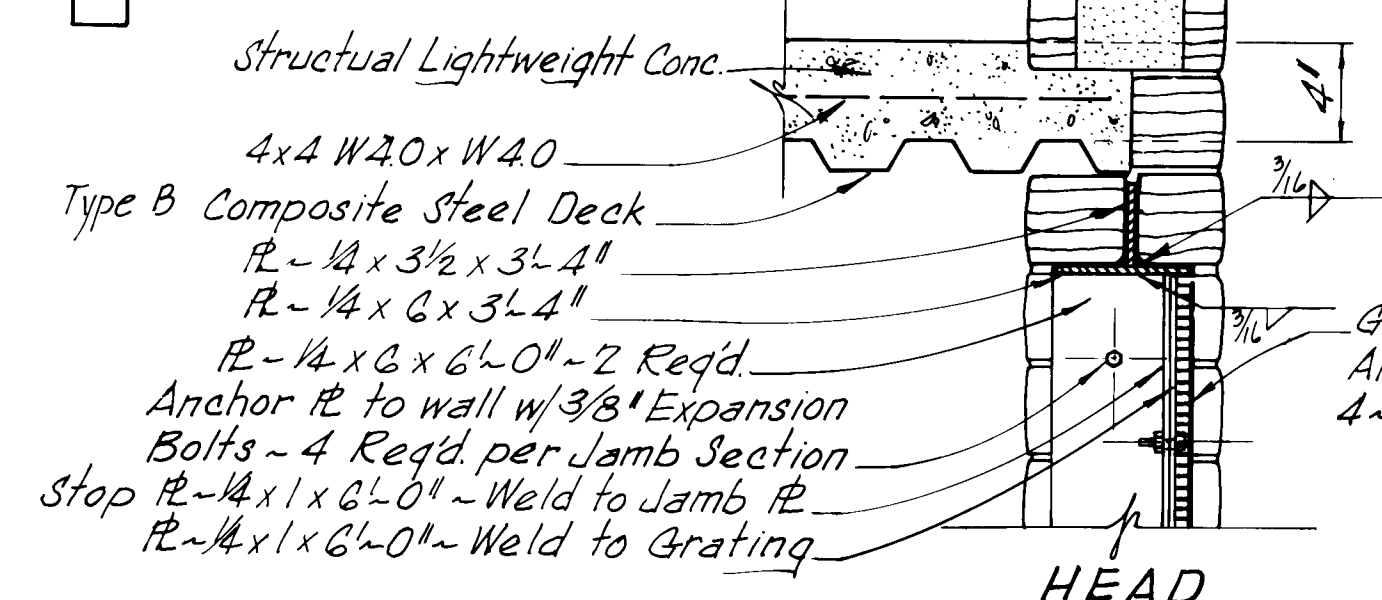
DRAWING	SHEET 11 OF 23
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NO.	
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[illegible]



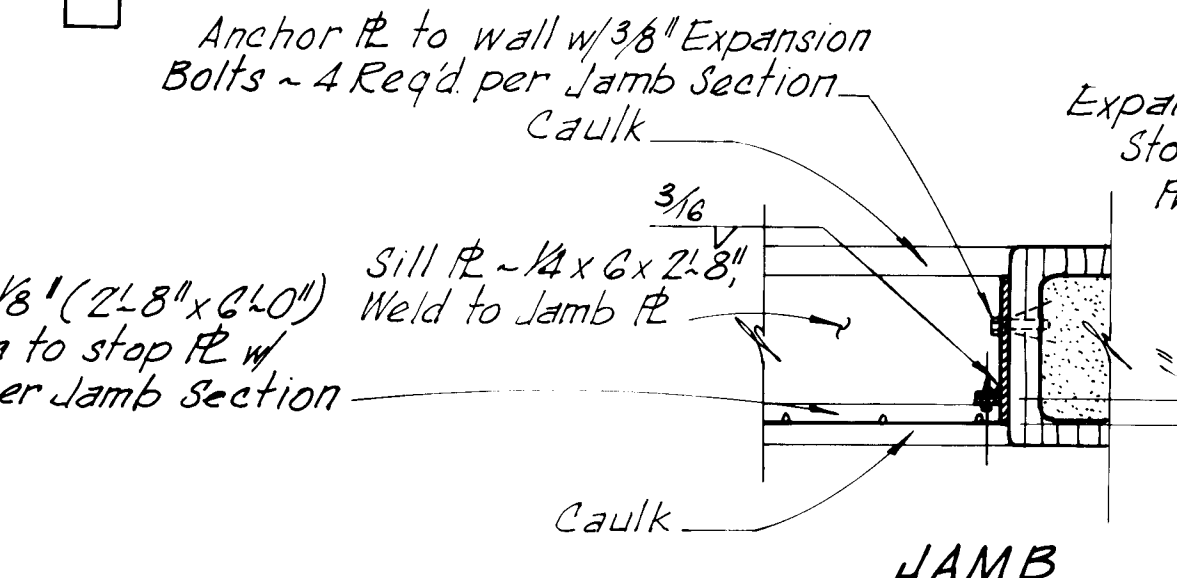
SECTION
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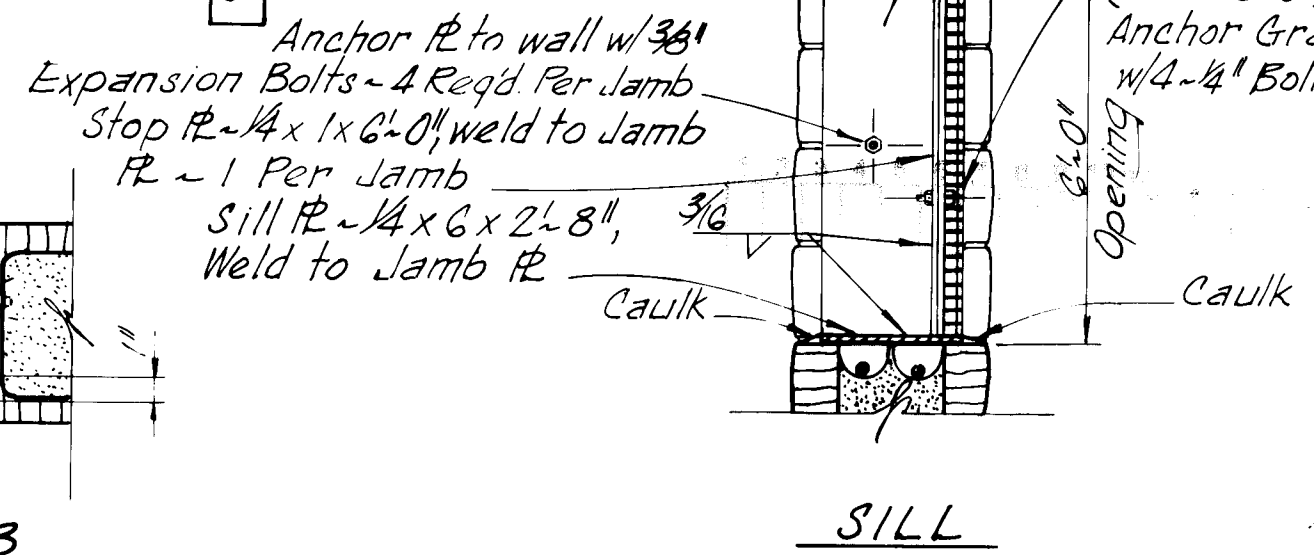
2
8 12
9

SECTION

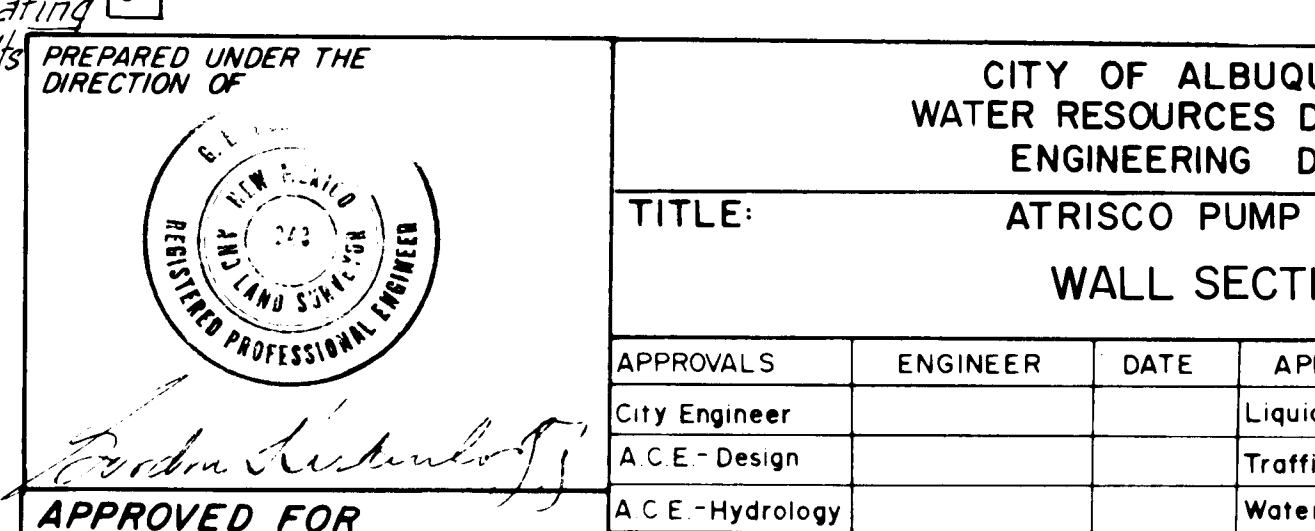
Scale: $\frac{3}{4}'' = 1'-0''$



3
8 12
9



SECTION
Scale $\frac{3}{4}'' = 1'-0''$



RECORD DRAWING
AUG. 1, 1963
Date _____

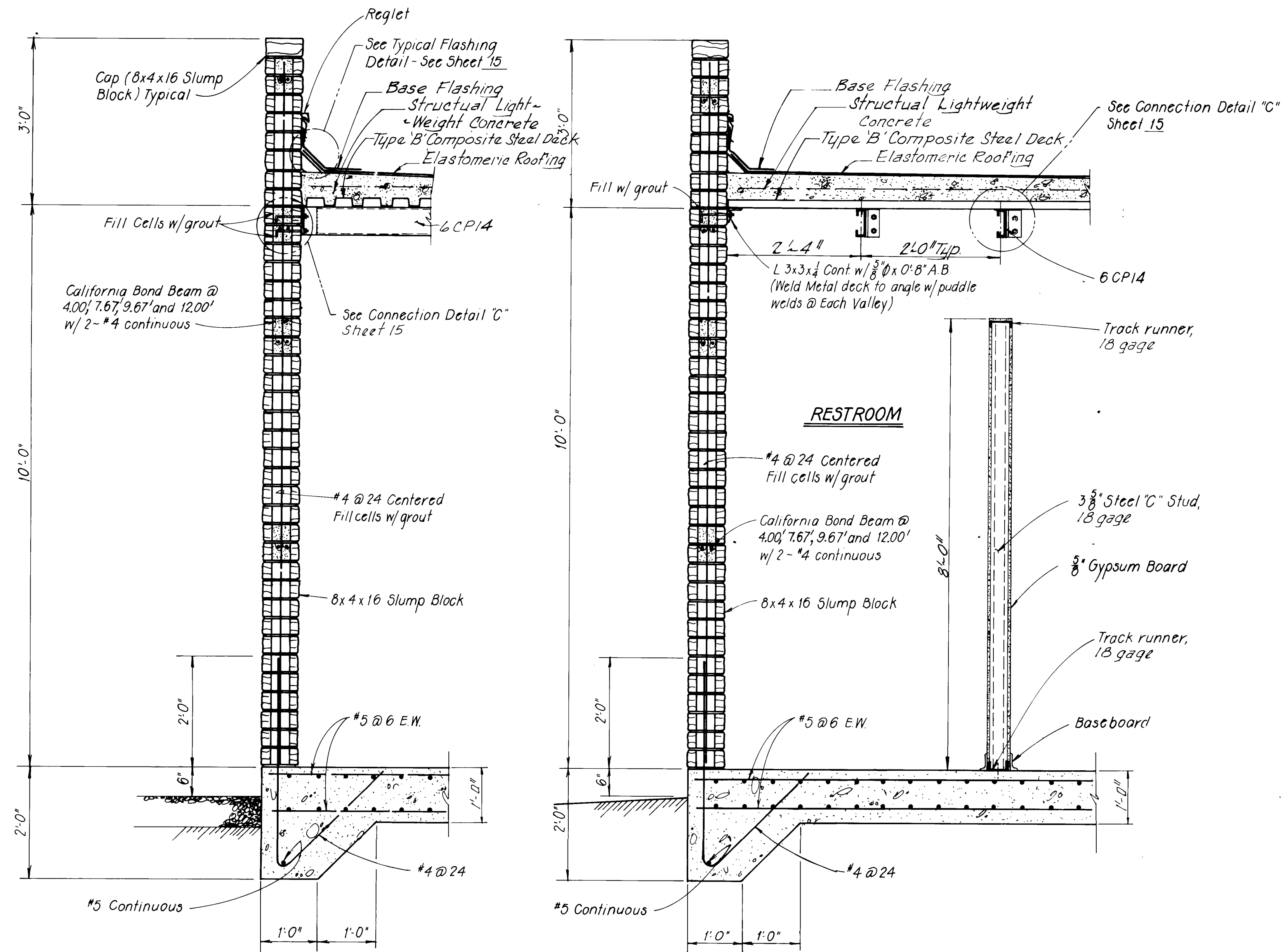
These drawings have been revised based on field data and a very reasonable attempt has been made to depict construction as actually performed.

	CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION
TITLE:	ATRISCO PUMP STATION WALL SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		

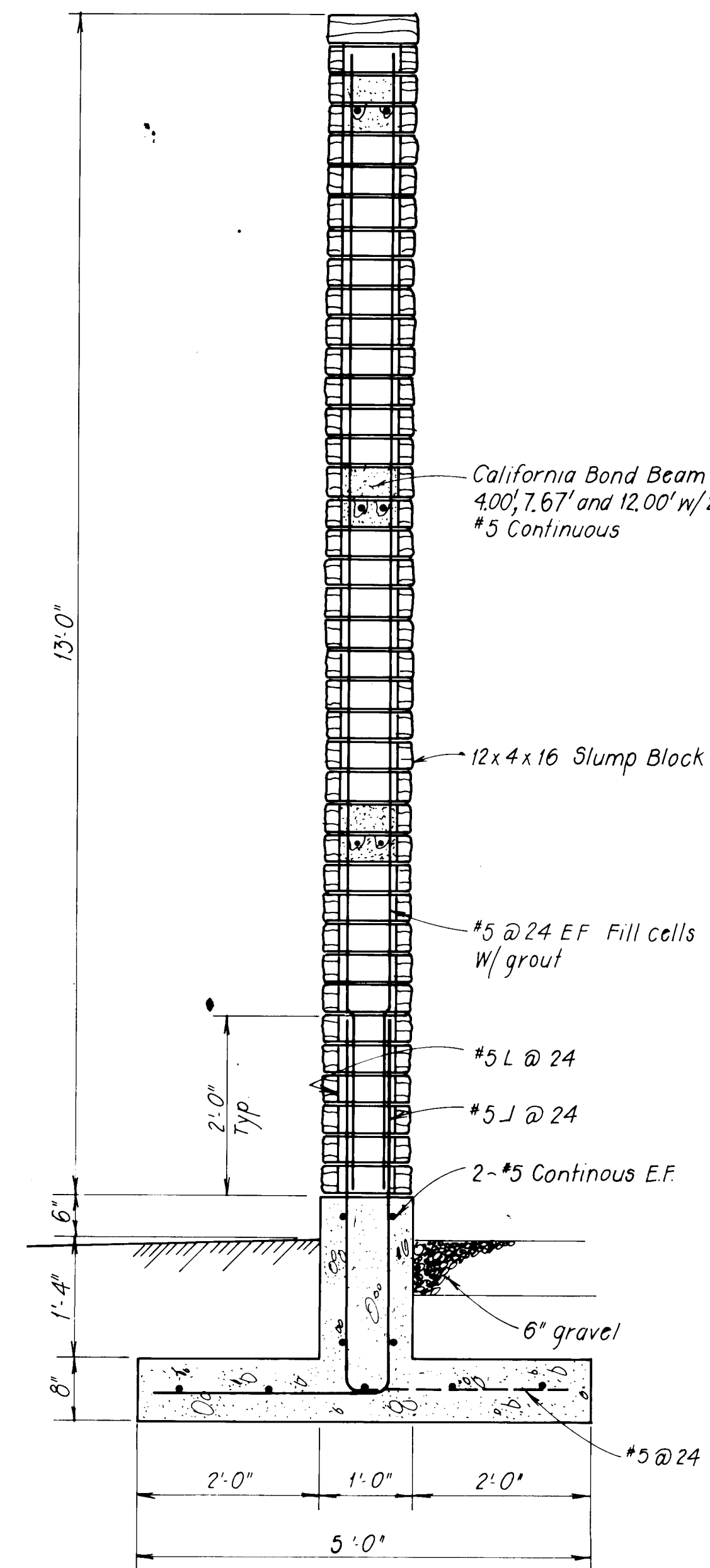
DRAWING NO.	SHEET 12 OF 23
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[illegible]



5
8 13
9

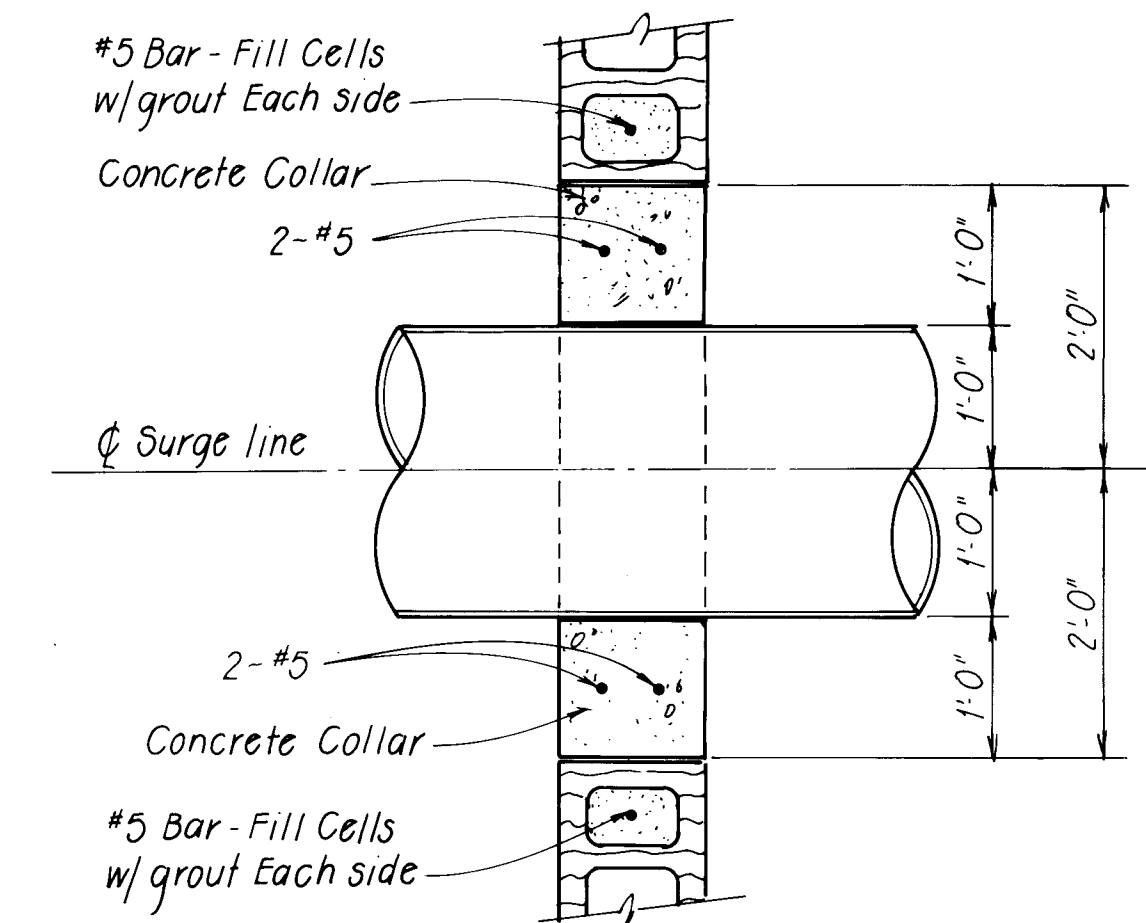
6 SECTION
8 13
9 Scale: $\frac{3}{4}'' = 1'-0''$



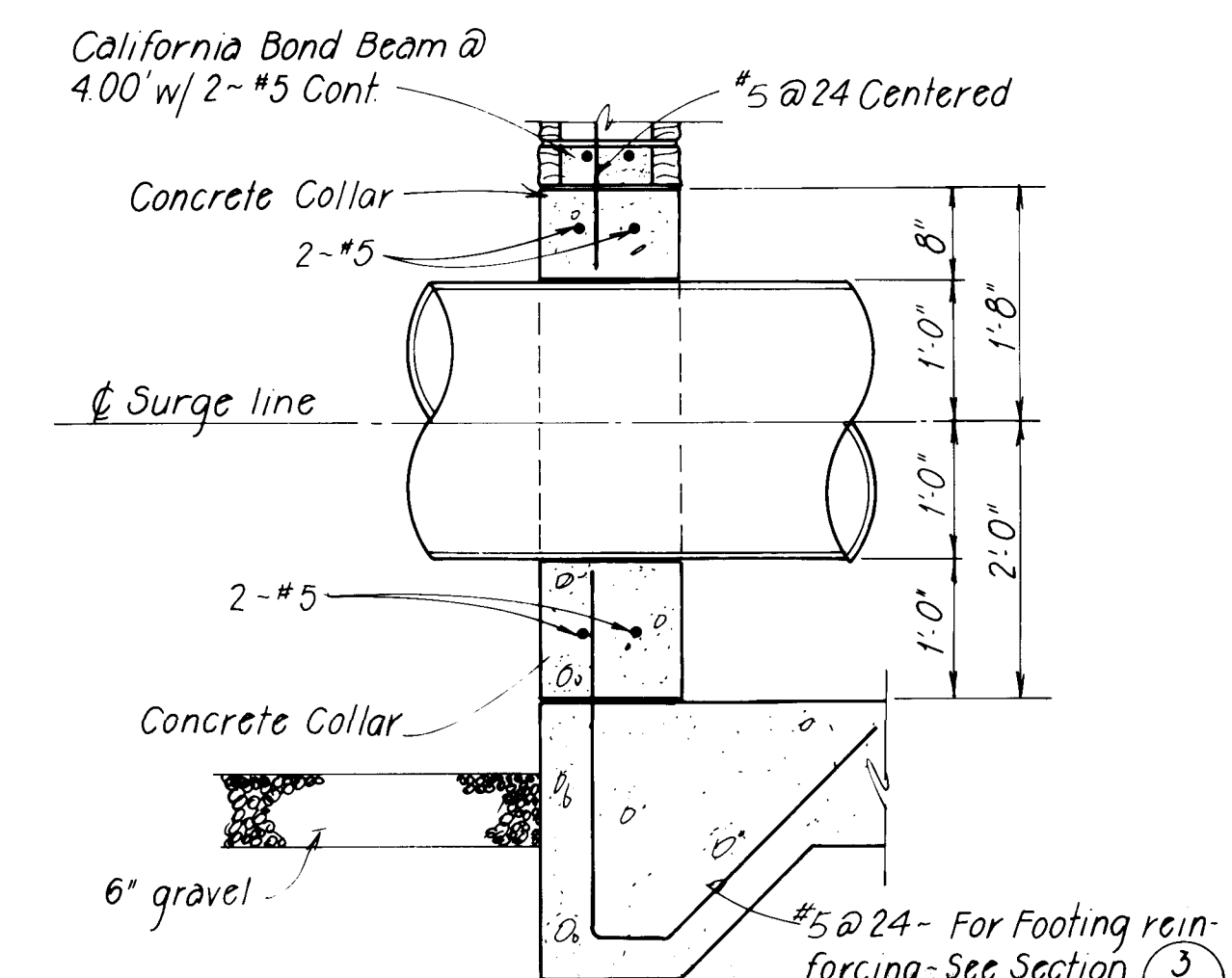
7
8 13
9

SECTION

Scale: $\frac{3}{4}" = 1'-0"$



JAMB



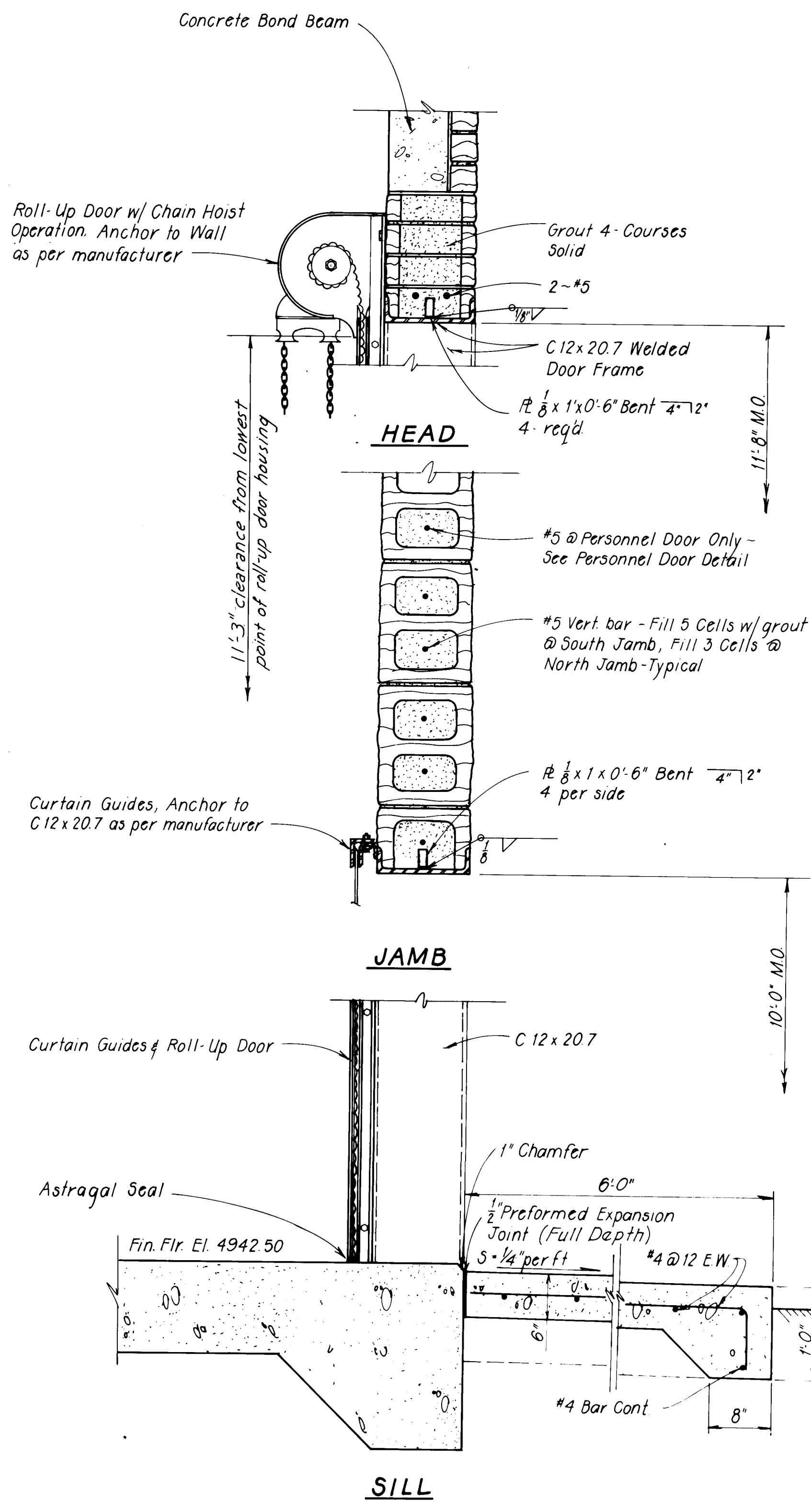
SECTION-ELEVATION 9

SURGE LINE CONC. COLLAR DETAIL

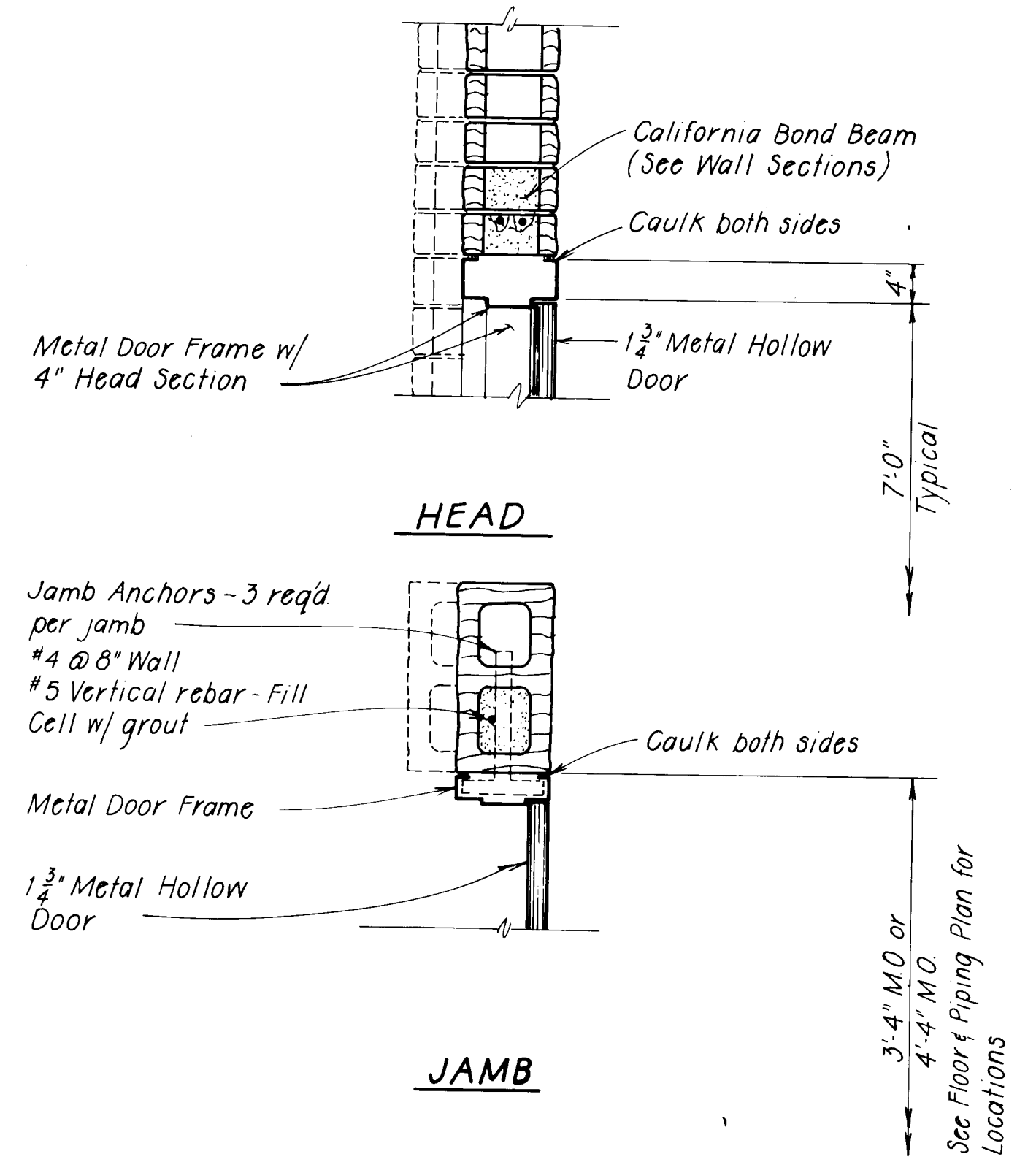
Scale $3/4" = 1'-0"$

PREPARED UNDER THE DIRECTION OF  <i>Gary L. Smith</i> APPROVED FOR CONSTRUCTION CITY ENGINEER DATE	CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION TITLE: ATRISCO PUMP STATION WALL SECTIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 10%;">DATE</th> <th style="width: 25%;">APPROVALS</th> <th style="width: 25%;">ENGINEER</th> <th style="width: 10%;">DATE</th> </tr> </thead> <tbody> <tr> <td>City Engineer</td> <td></td> <td></td> <td>Liquid Waste</td> <td></td> <td></td> </tr> <tr> <td>A C E - Design</td> <td></td> <td></td> <td>Traffic</td> <td></td> <td></td> </tr> <tr> <td>A C E - Hydrology</td> <td></td> <td></td> <td>Water</td> <td></td> <td></td> </tr> </tbody> </table> DRAWING NO. SHEET 13 OF 23	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE	City Engineer			Liquid Waste			A C E - Design			Traffic			A C E - Hydrology			Water		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE																				
City Engineer			Liquid Waste																						
A C E - Design			Traffic																						
A C E - Hydrology			Water																						

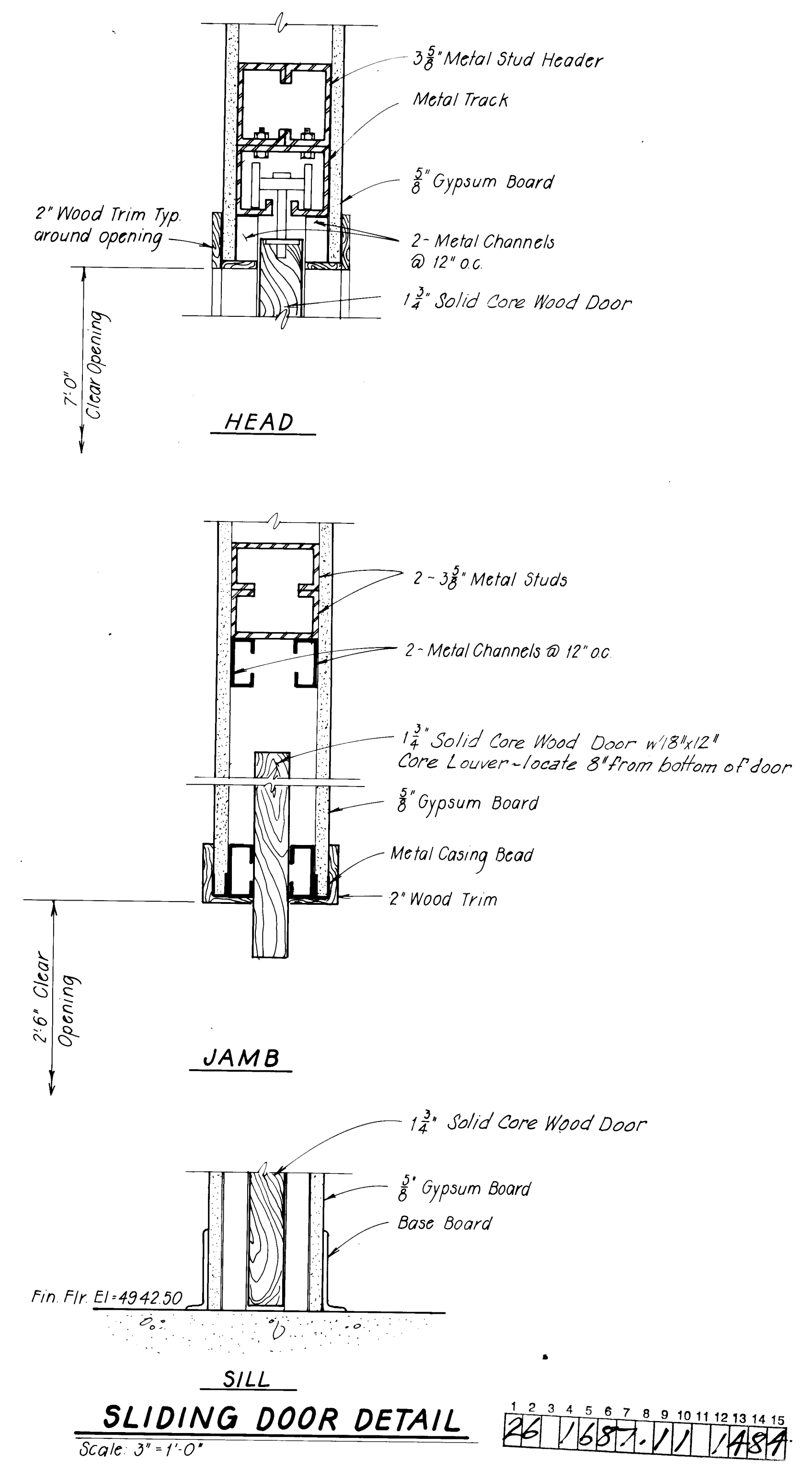
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS		REMARKS	
CONTRACTOR	WORK	DATE	NO.	BY	DATE	MAP NO.	EST. NO.	W.O. NO.	NO.	DATE	BY
STARTED BY	FIELD	DATE	NO.	BY	DATE						
ACCEPTANCE BY	FIELD	DATE	NO.	BY	DATE						
DESIGNED BY	FIELD	DATE	NO.	BY	DATE						
CHECKED BY	FIELD	DATE	NO.	BY	DATE						
RECORDED BY	FIELD	DATE	NO.	BY	DATE						
NO.	NO.	NO.	NO.	NO.	NO.						



ROLL-UP DOOR DETAIL
Scale: 1" = 1'-0"



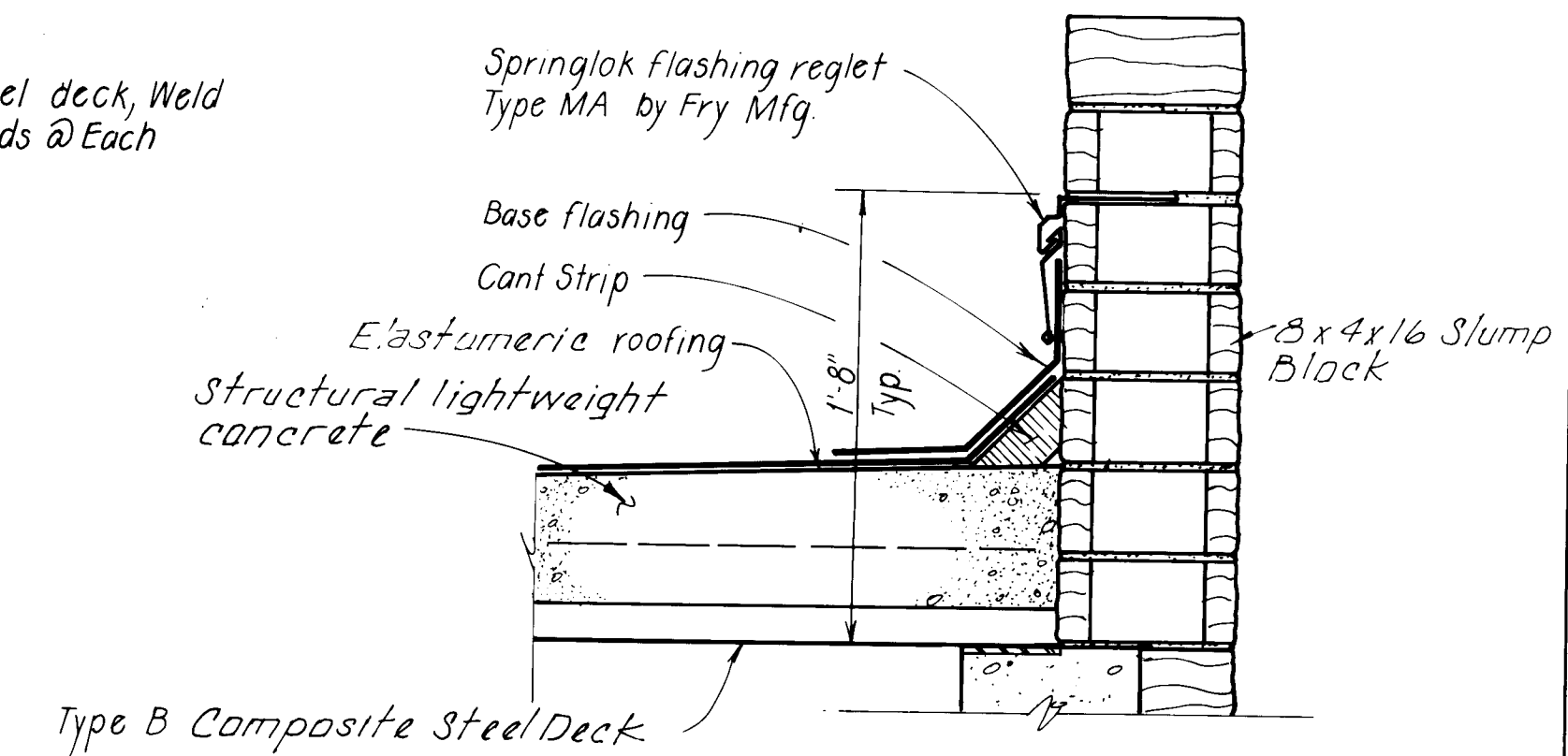
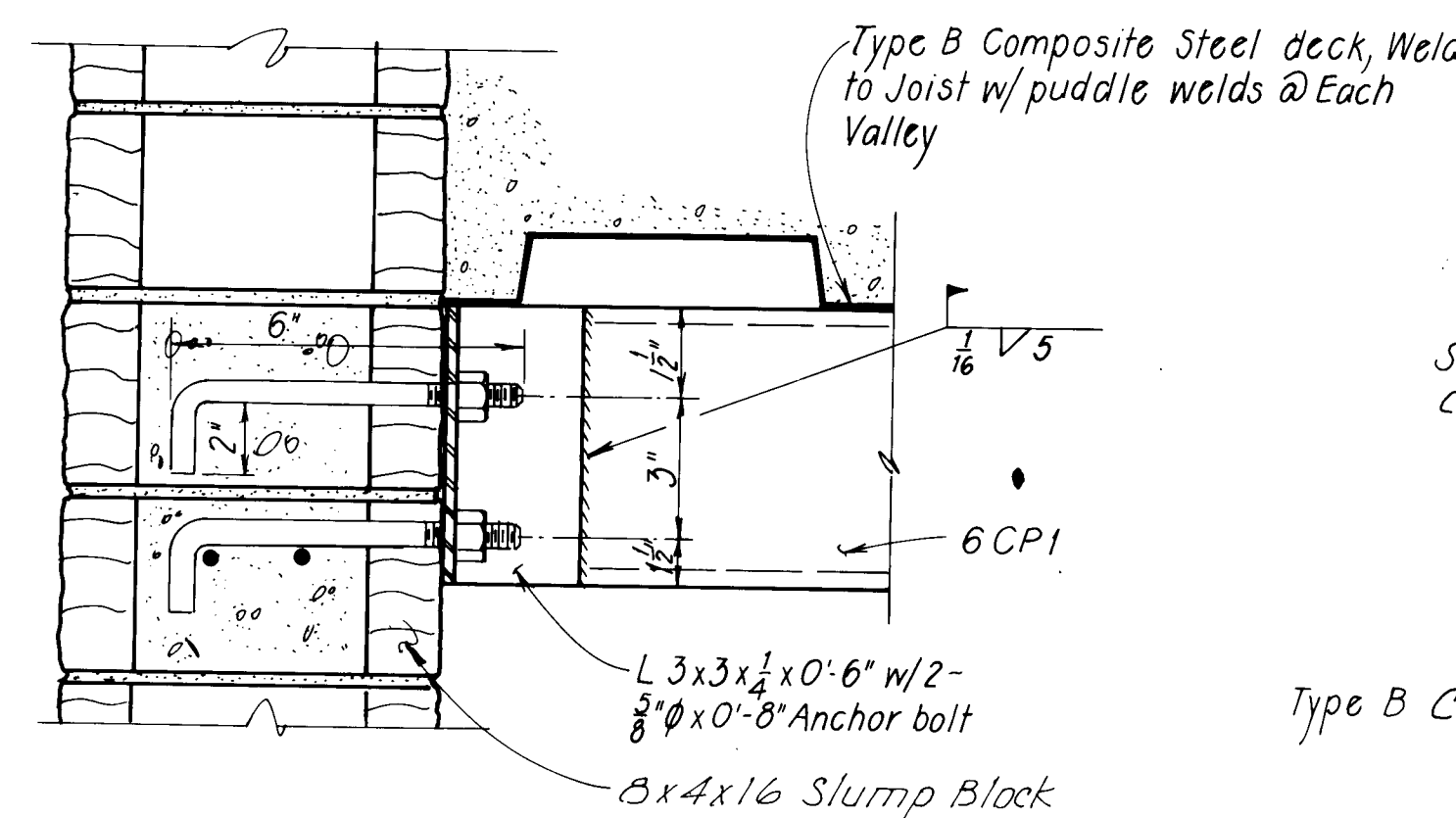
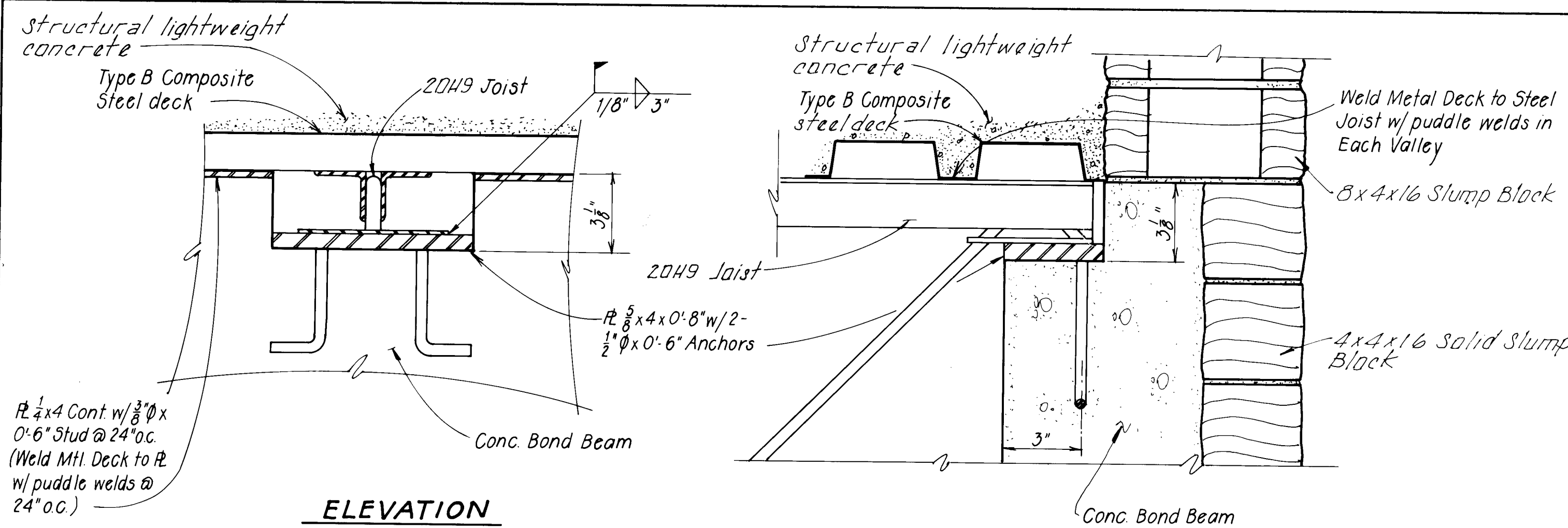
PERSONNEL DOOR DETAIL
Scale: 1" = 1'-0"



SLIDING DOOR DETAIL
Scale: 3/4" = 1'-0"

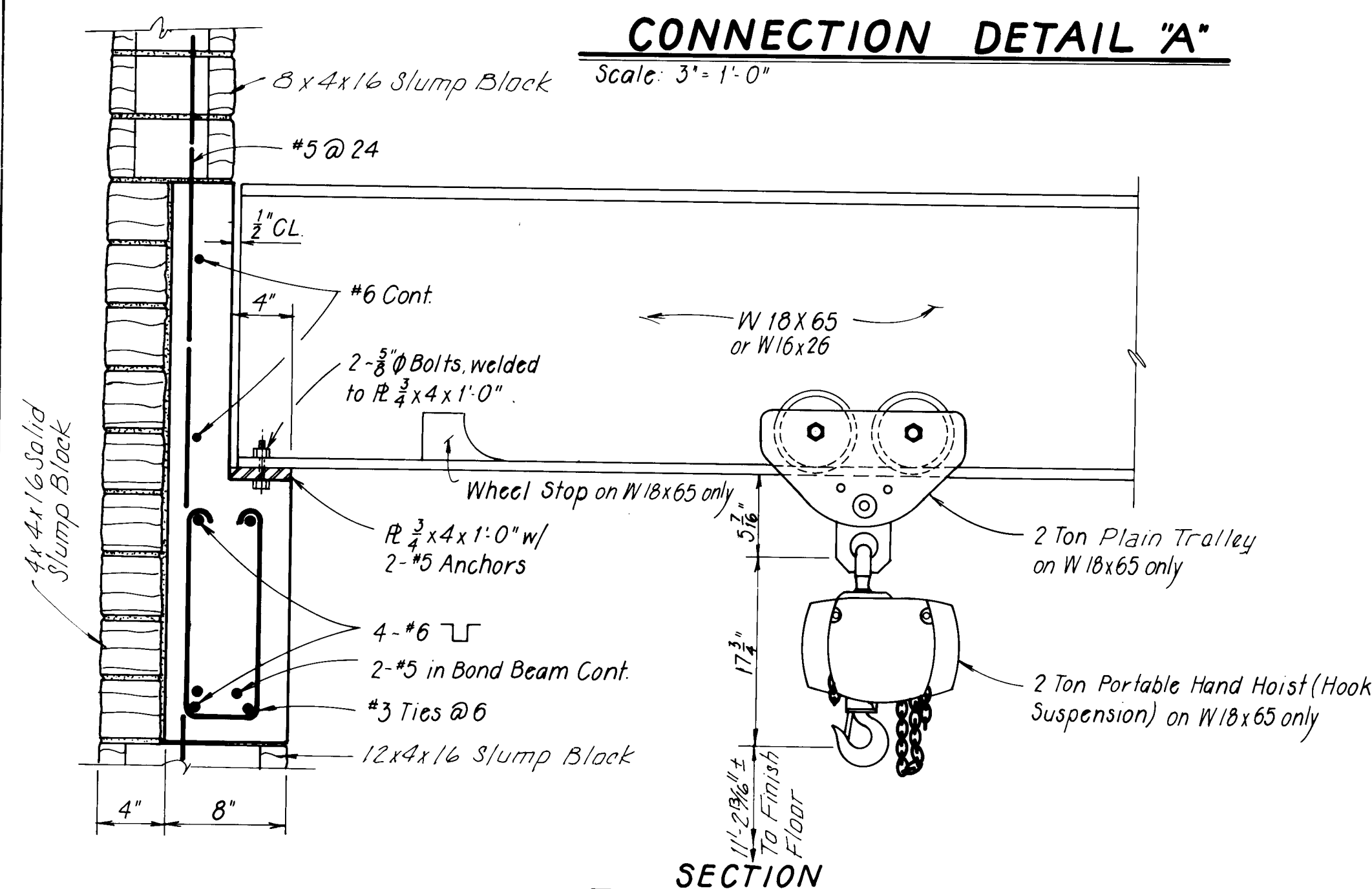
RECORD DRAWING
Date: AUG 17 1983
These drawings have been prepared based on field data and every reasonable attempt has been made to depict construction actually performed.

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: ATRISCO PUMP STATION DOOR SECTIONS AND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO.			SHEET 14 OF 23		



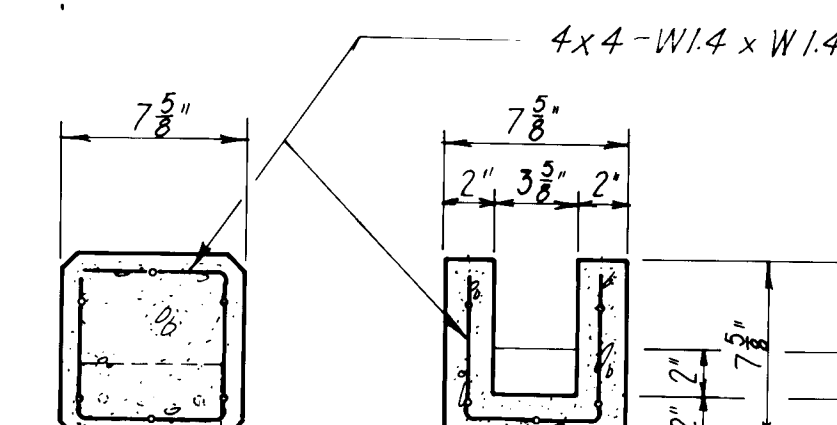
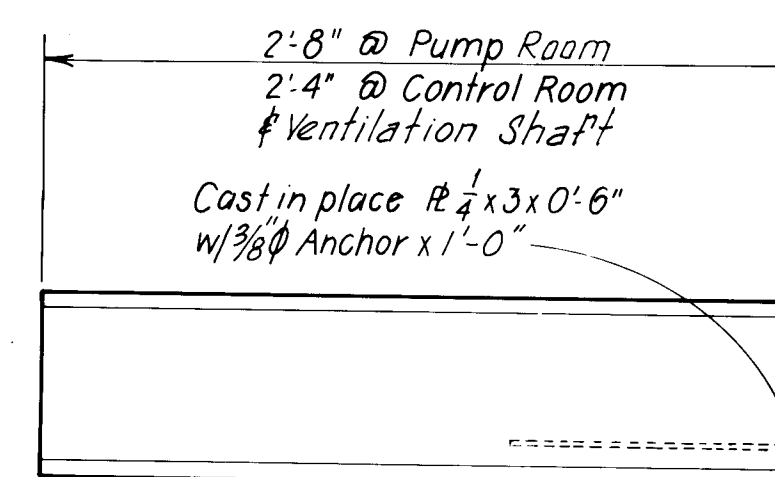
CONNECTION DETAIL "A"

Scale: 3/4" = 1'-0"



CONNECTION DETAIL "C"

No Scale



ELEVATION

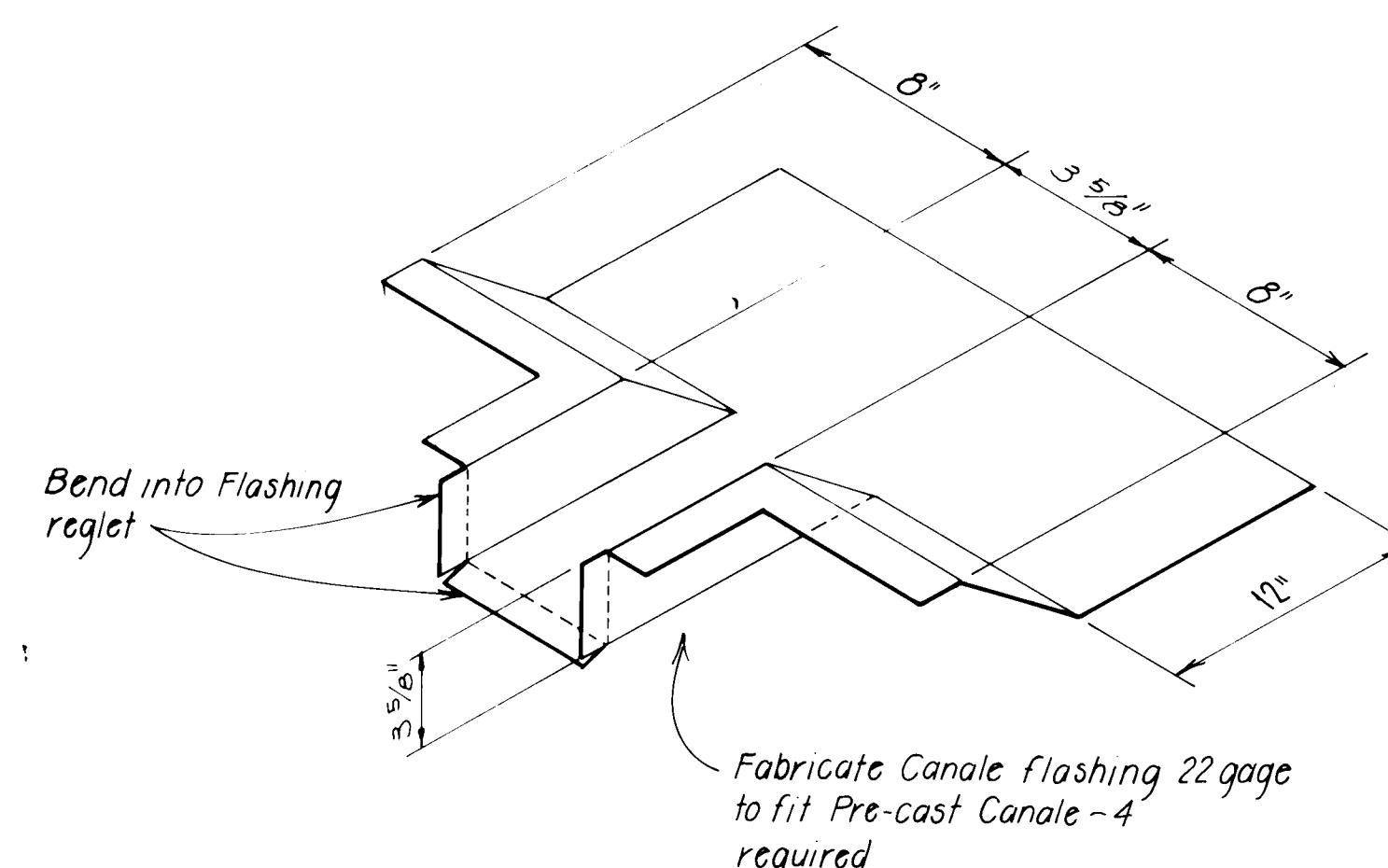
SECTION

SECTION

NOTE: Same Connection as Pre-cast Canale Detail this Sheet

PRE-CAST VIGAS DETAIL

Scale: 1 1/2" = 1'-0"

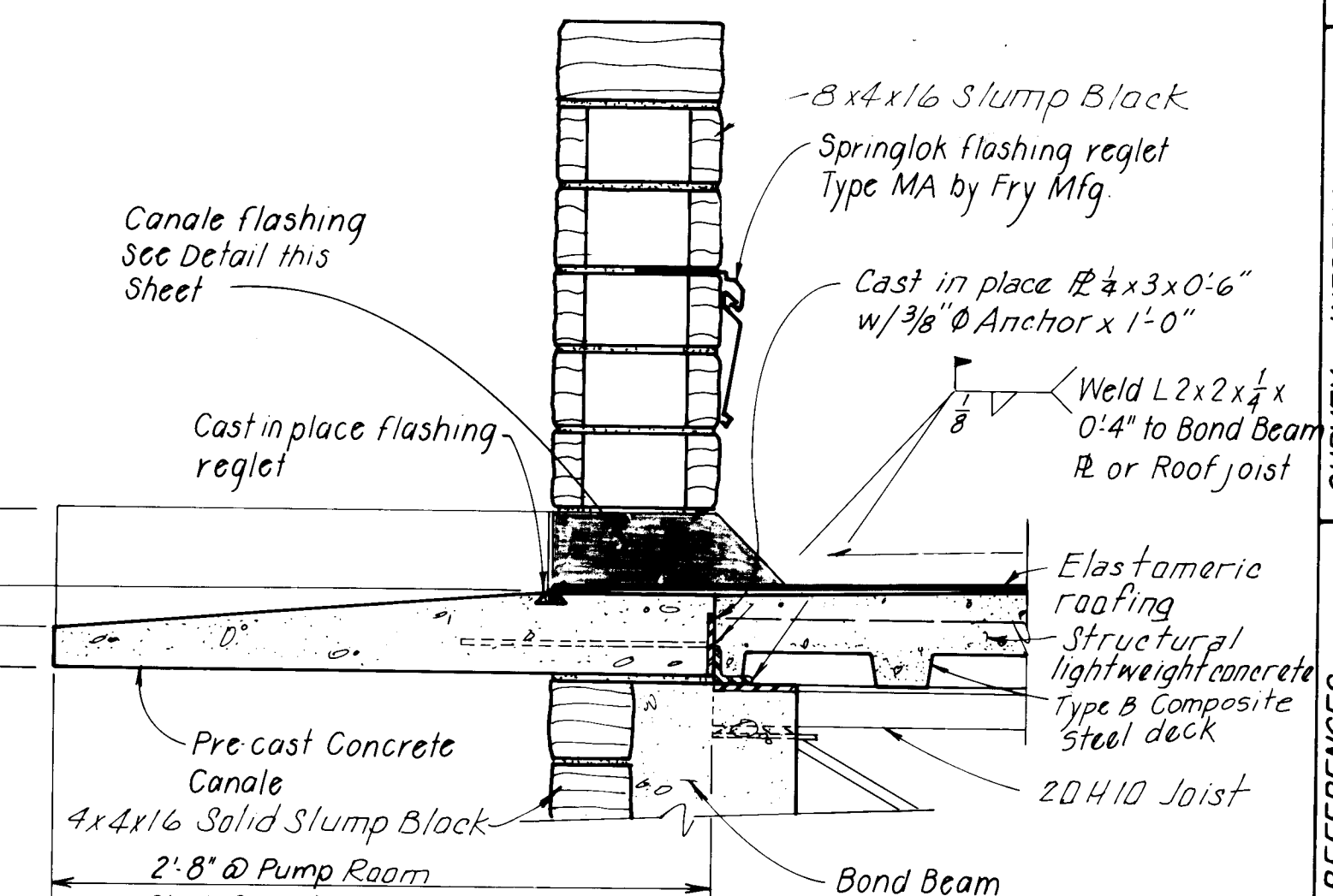


CANALE FLASHING

Not to Scale

FLASHING DETAIL

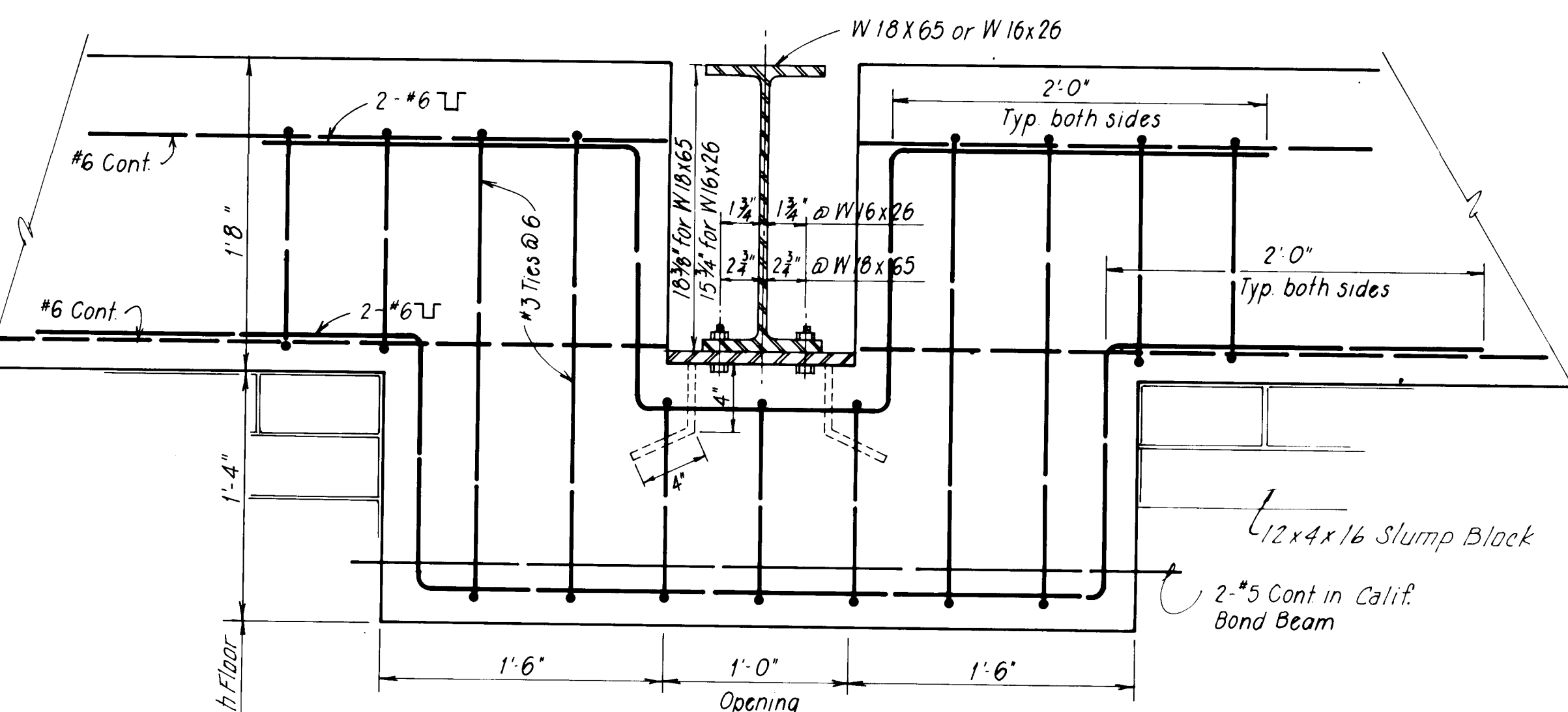
Scale: 1 1/2" = 1'-0"



ELEVATION-SECTION

PRE-CAST CANALE DETAIL

Scale: 1 1/2" = 1'-0"



SECTION THRU BOND BEAM

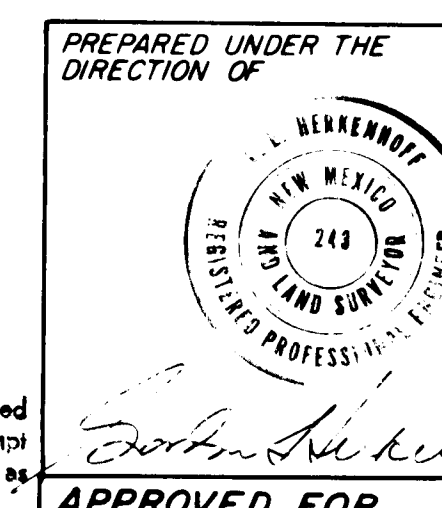
CONNECTION DETAIL "B"

Scale: 1 1/2" = 1'-0"

RECORD DRAWING

Date: AUG 17 1983

These drawings have been revised based on field data and every reason. No attempt has been made to depict construction as actually performed.



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

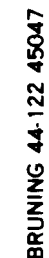
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 1/687.11 1/584

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION
TITLE: ATRISCO PUMP STATION
BEARING CONNECTION AND MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

DRAWING NO. SHEET 15 OF 23

PROJECT NO 1687.11





1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399</
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SHEET 16 OF 23	
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PREPARED UNDER THE
DIRECTION OF



U.S. BUREAU OF
LAND MANAGEMENT
NEW MEXICO
349
REGISTERED PROFESSIONAL ENGINEER

CITY ENGINEER DATE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

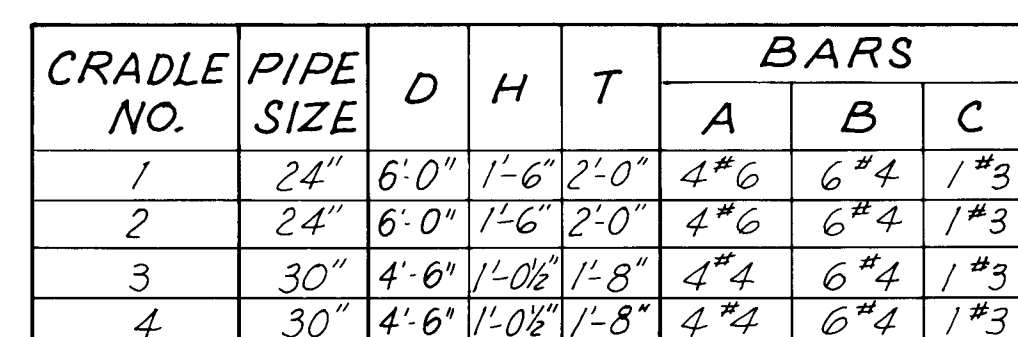
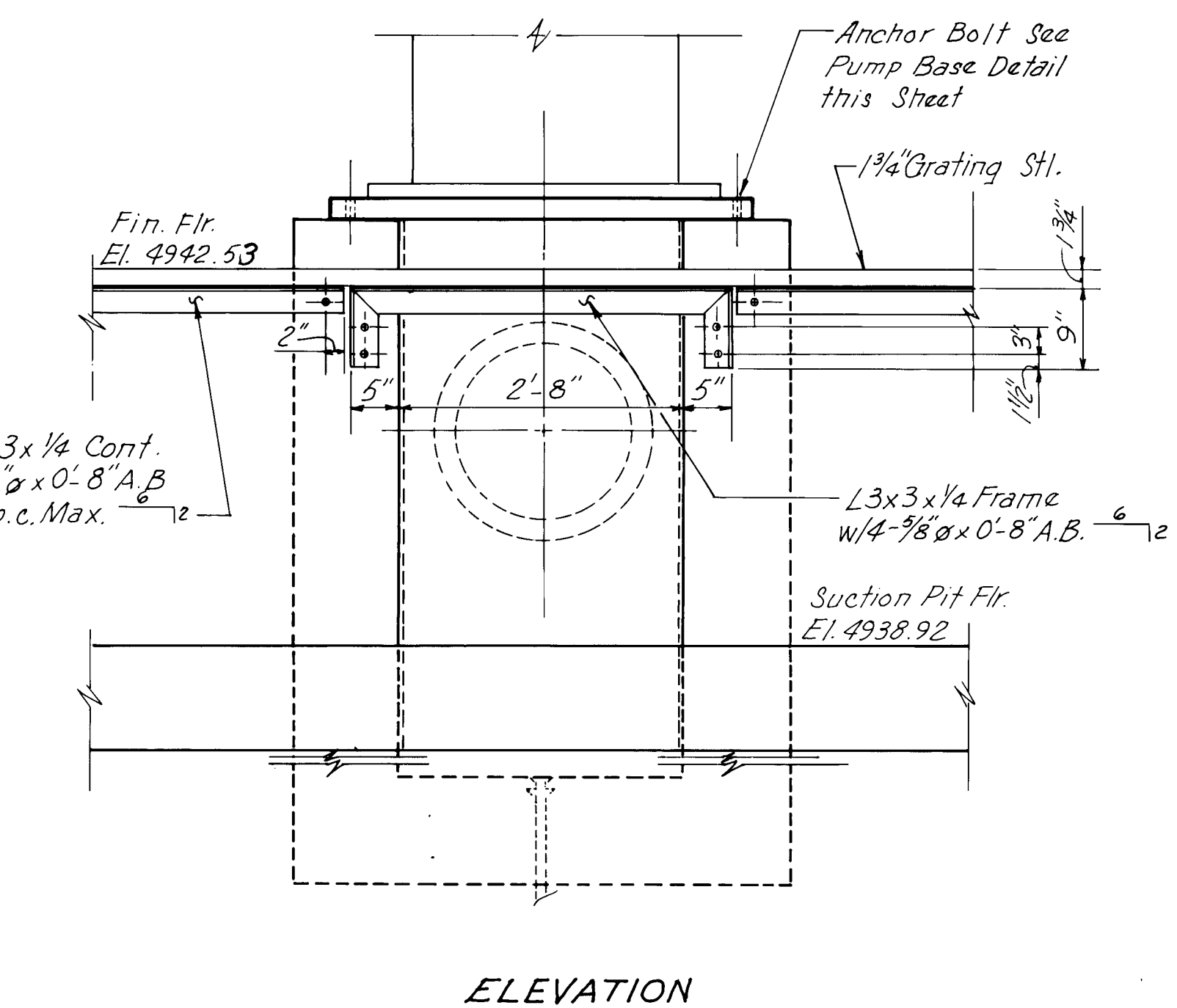
SHEET 17 OF 23

CONTRACTOR		DATE	
WORK		DATE	
STARTED BY		DATE	
INSPECTOR'S		DATE	
ACCEPTANCE BY		DATE	
VERIFICATION BY		DATE	
DRAWINGS		DATE	
CORRECTED BY		DATE	
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO		DATE	

Ben L. Lane
1/19/84

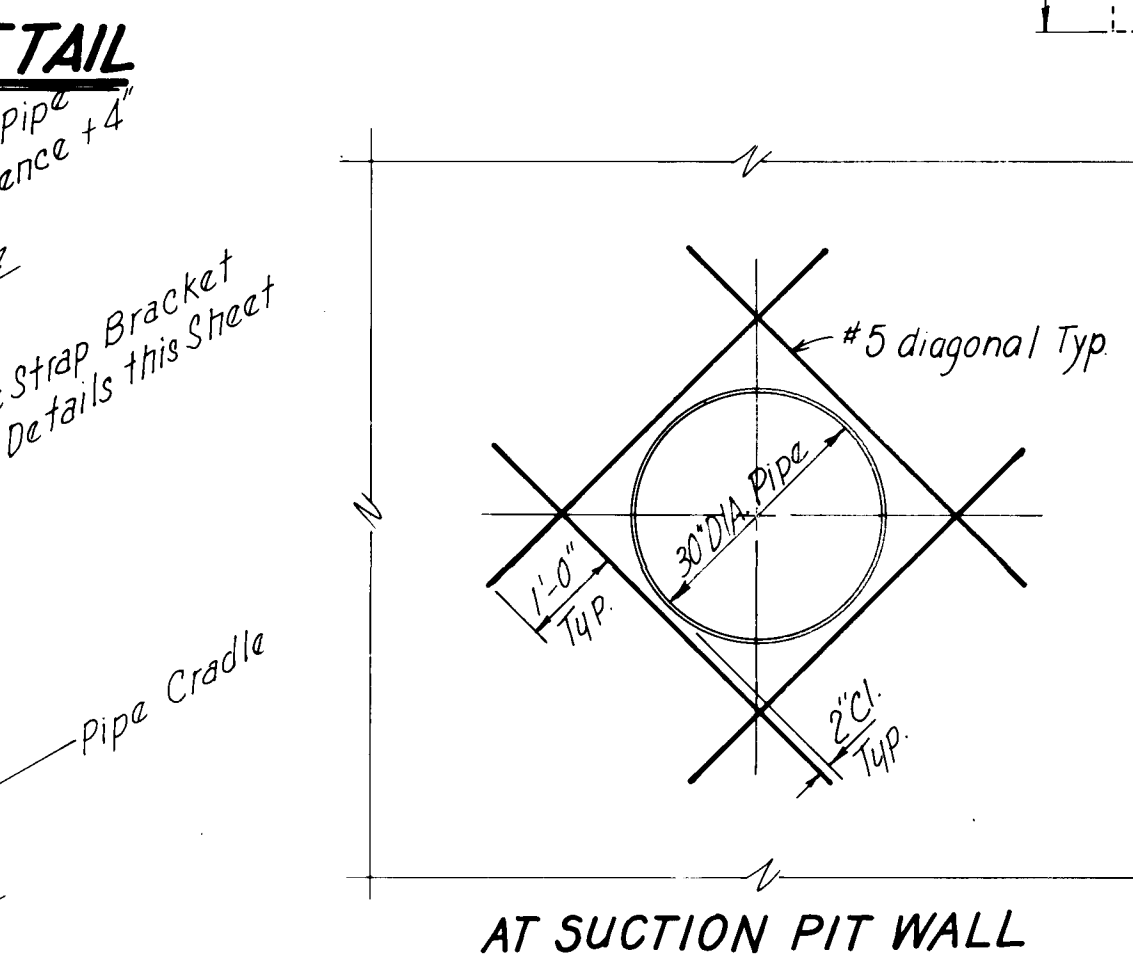
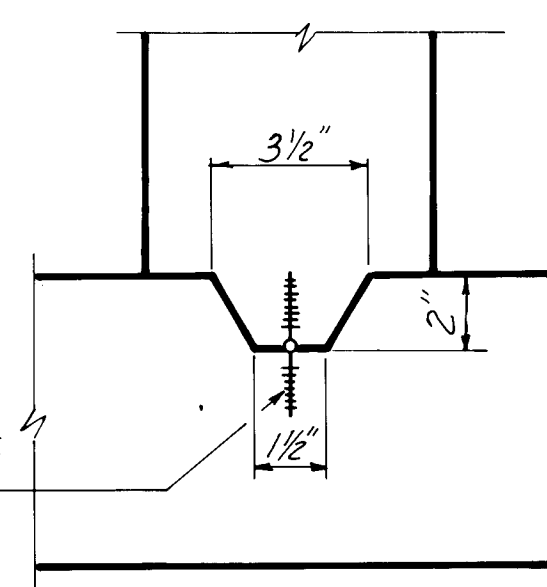
[illegible][illegible]

NO.		DATE	REMARKS	BY
<i>REVISIONS</i>				
DESIGN				
DESIGNED BY WWW			DATE	NOV. 1980
DRAWN BY L.A.B.			DATE	NOV. 1980
CHECKED BY			DATE	

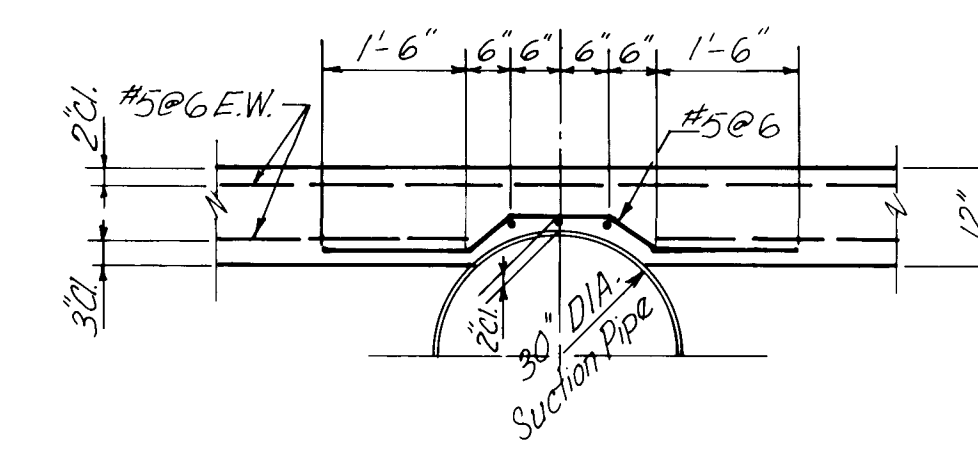
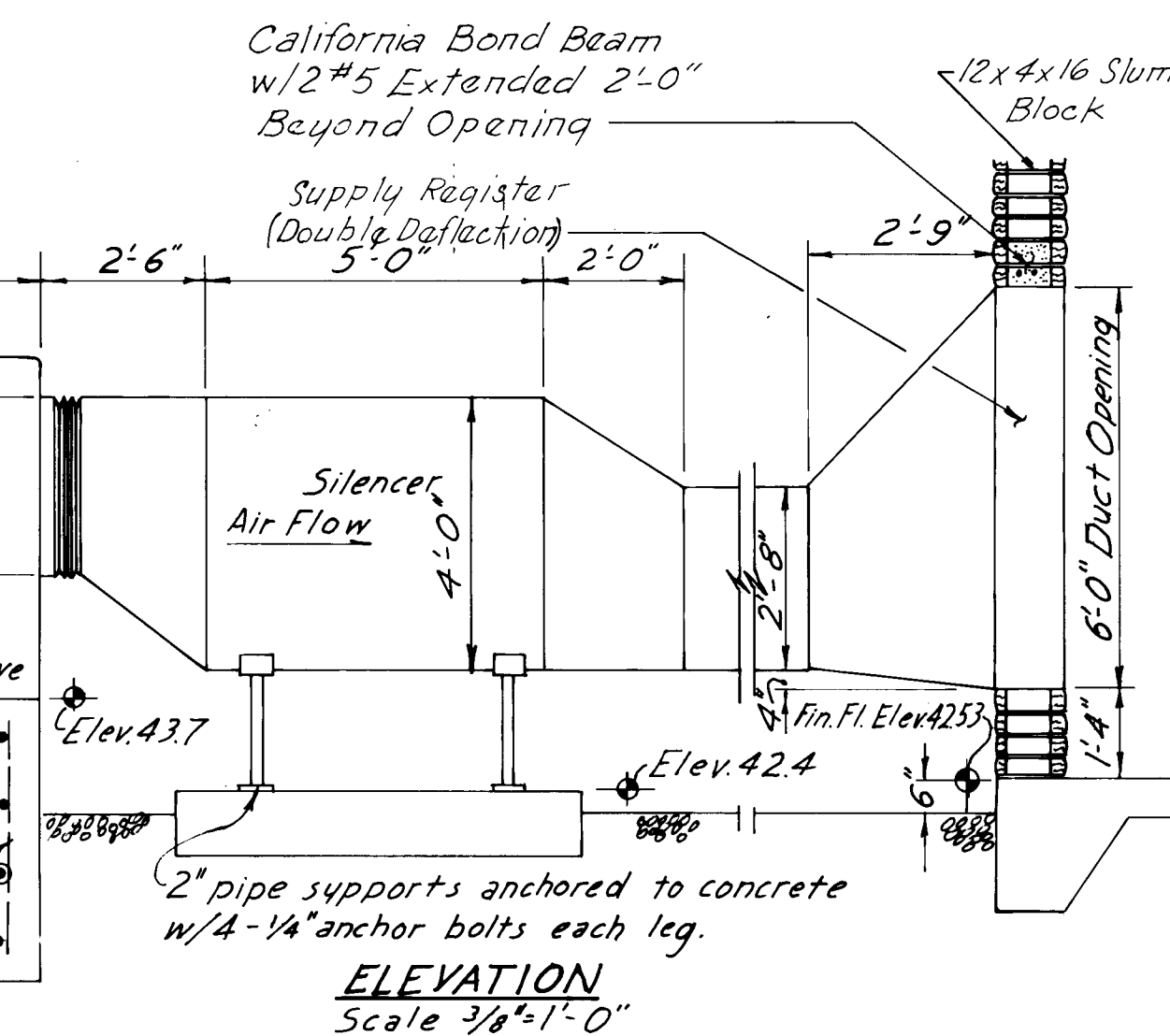


Scale: $3/4" = 1'-0"$
NOTE

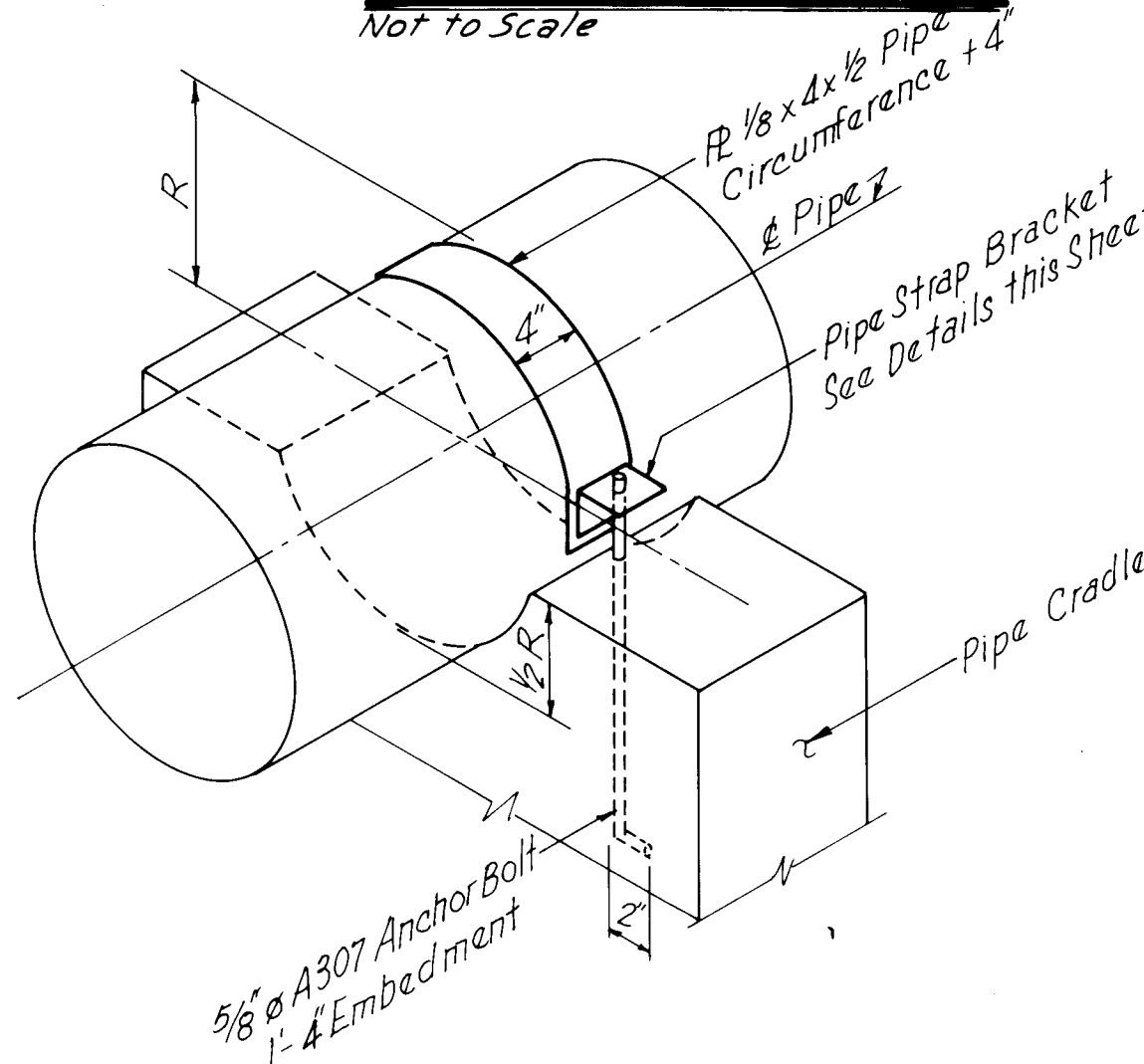
NOTE
Construction Joints Shall Be Selected by the Contractor with Engineer's Approval Prior to Steel Submittal and Construction Waterstop required at all Vertical Wall Joints and Suction Pit Floor Slab Intersections and Construction Joints.



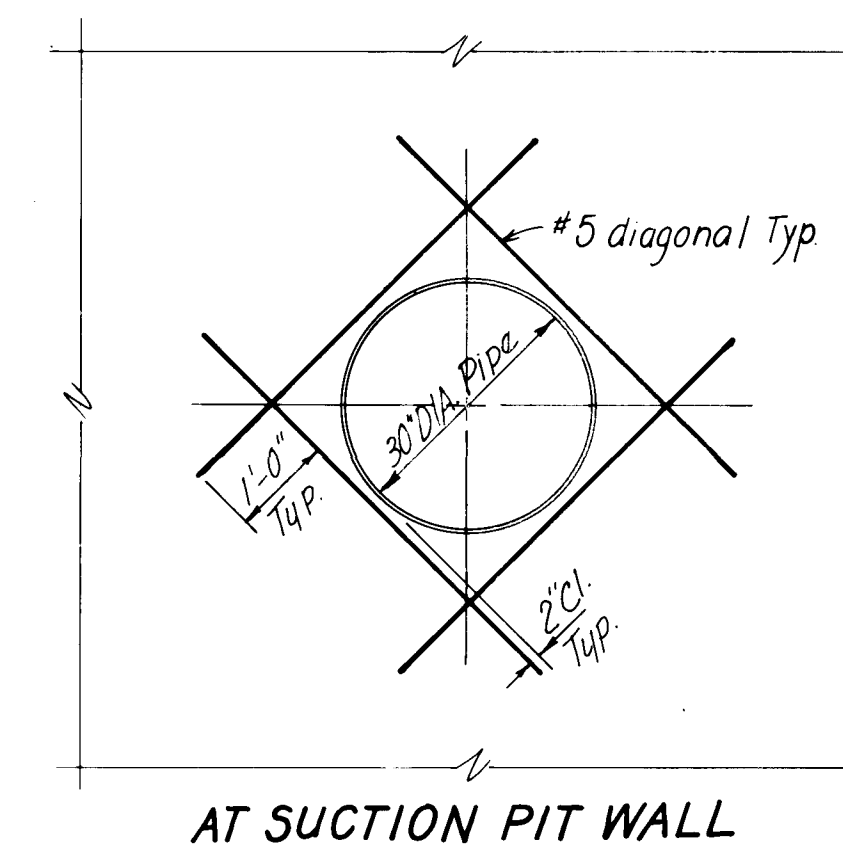
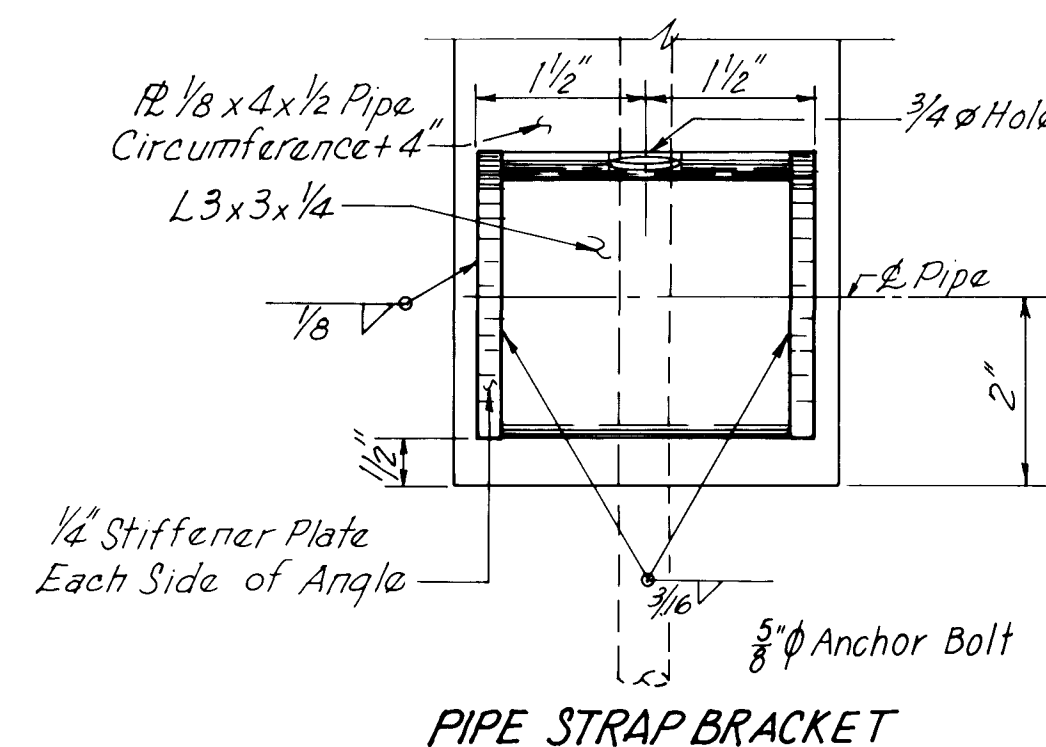
Scale: $\frac{1}{2}" = 1'-0"$



AT FLOOR SLAB



Not to Scale



Scale: $\frac{1}{2}" = 1'-0"$

Date AUG 7 1983

These drawings have been reduced based on field data and every reasonable attempt has been made to depict construction as actually performed.

PREPARED UNDER THE
DIRECTION OF



John L. ...

APPROVED FOR

TITLE: ATRISCO PUMP STATION
PUMP BASE, PIPE CRADLE, THRUST RESTRAINT
AND EVAPORATIVE COOLER DETAILS

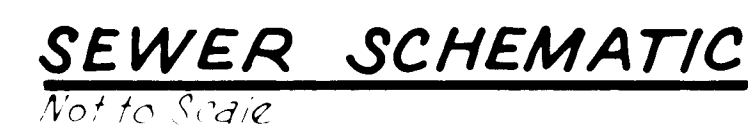
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		

DRAWING										SHEET 18 OF 23									
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AS BUILT INFORMATION	
CONTRACTOR	
WORKED BY	DATE
INSPECTOR'S	DATE
ACCEPTANCE BY	DATE
FIELD	DATE
VERIFICATION BY	DATE
DRAWINGS	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO	

[illegible][illegible][illegible]

CRQUE PARTMENT VISION		
STATION THRUST RESTRAINT OLDER DETAILS		
NOVALS	ENGINEER	DATE
Vaste		
SHEET 18 OF 23		



DETAILS		
CLASS	ENGINEER	DATE
te		

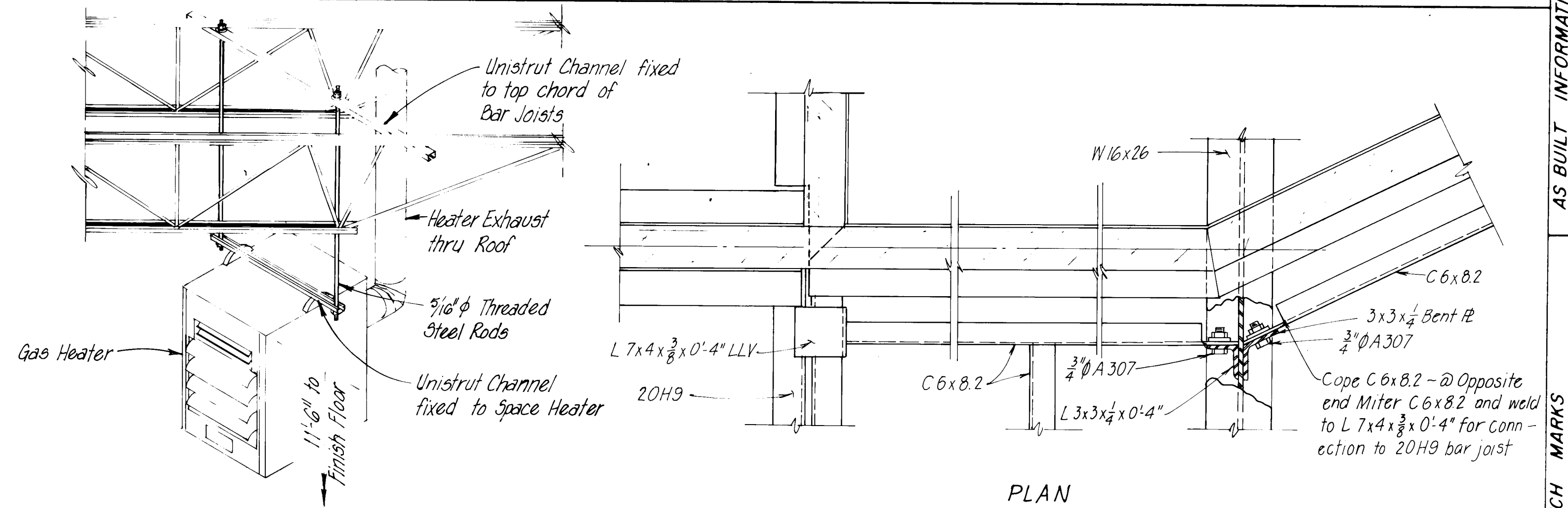
SHEET 19 OF 23

PREPARED UNDER THE
DIRECTION OF



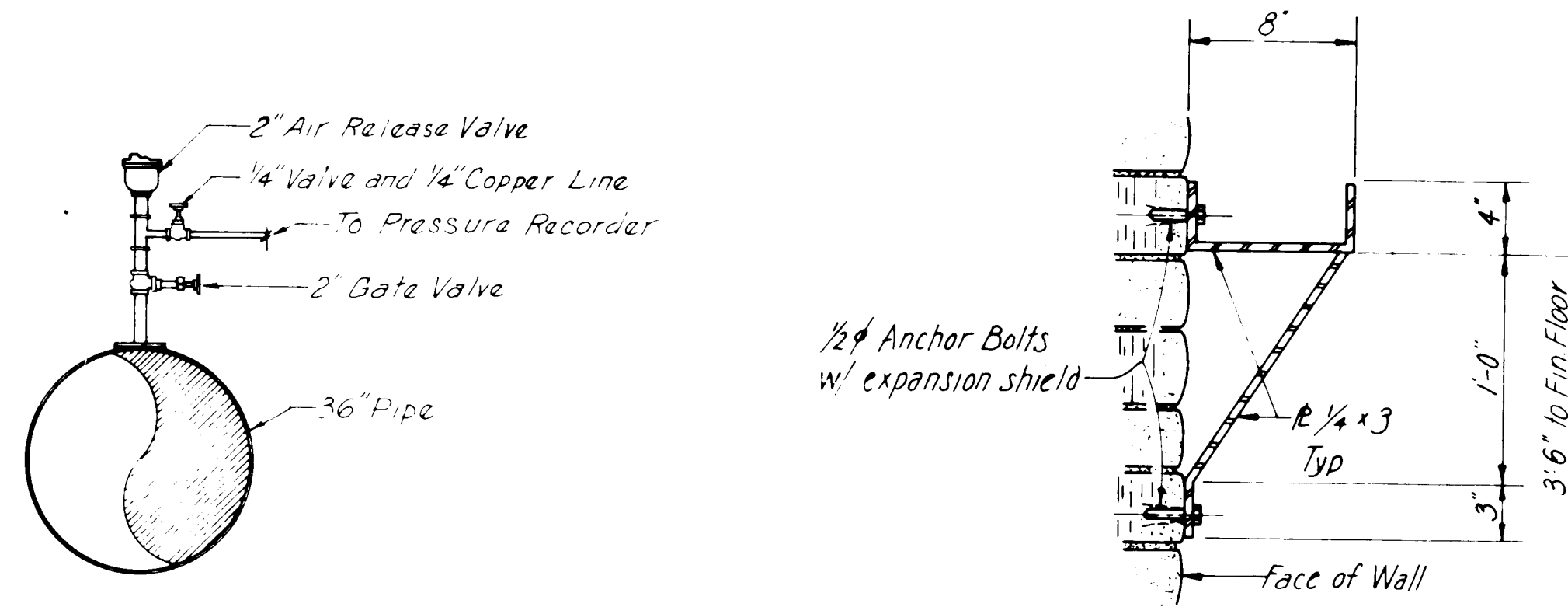
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NO



HEATER BRACKET DETAIL

Not to Scale

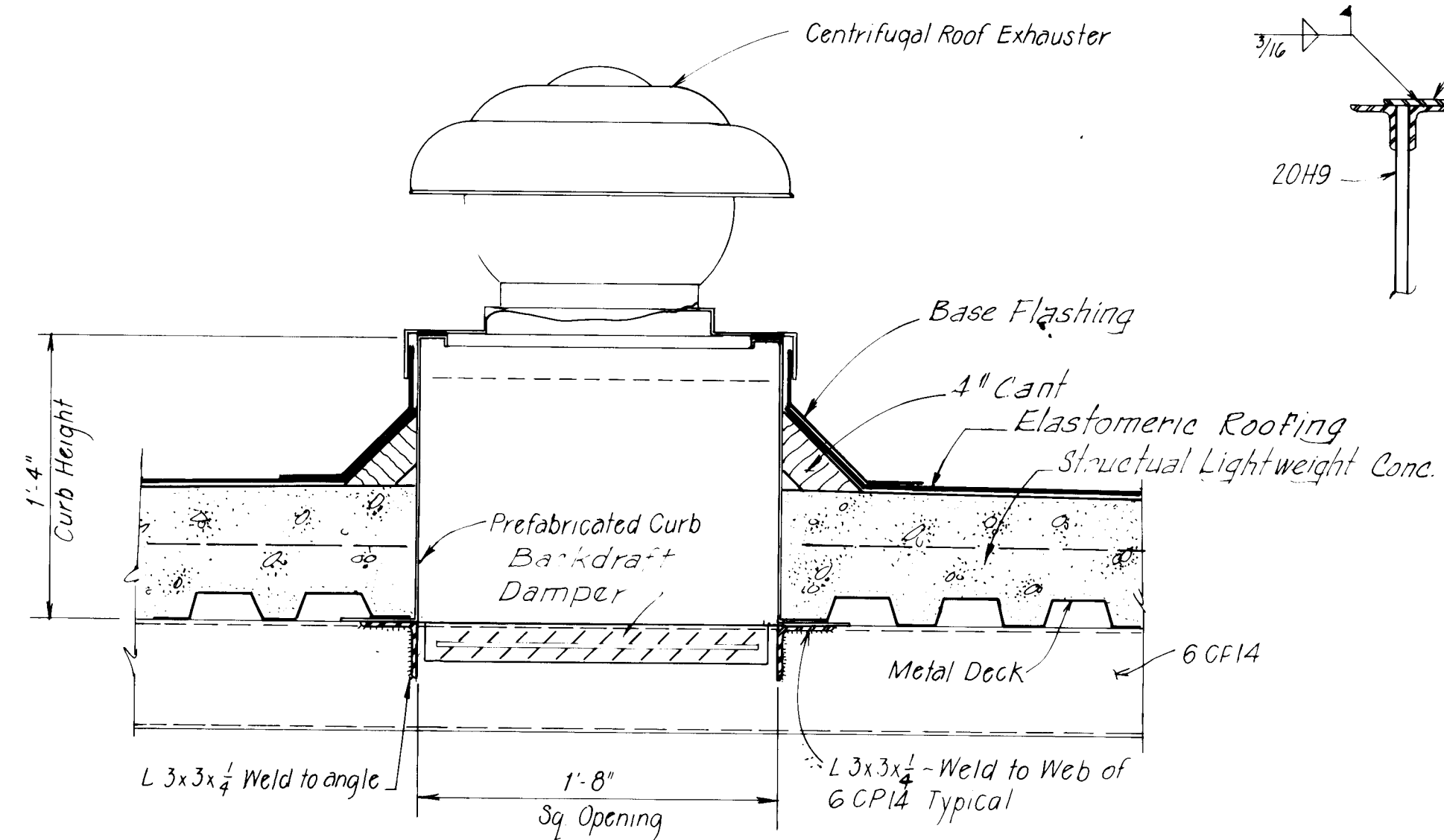


2" AIR RELEASE VALVE DETAIL

Not to Scale

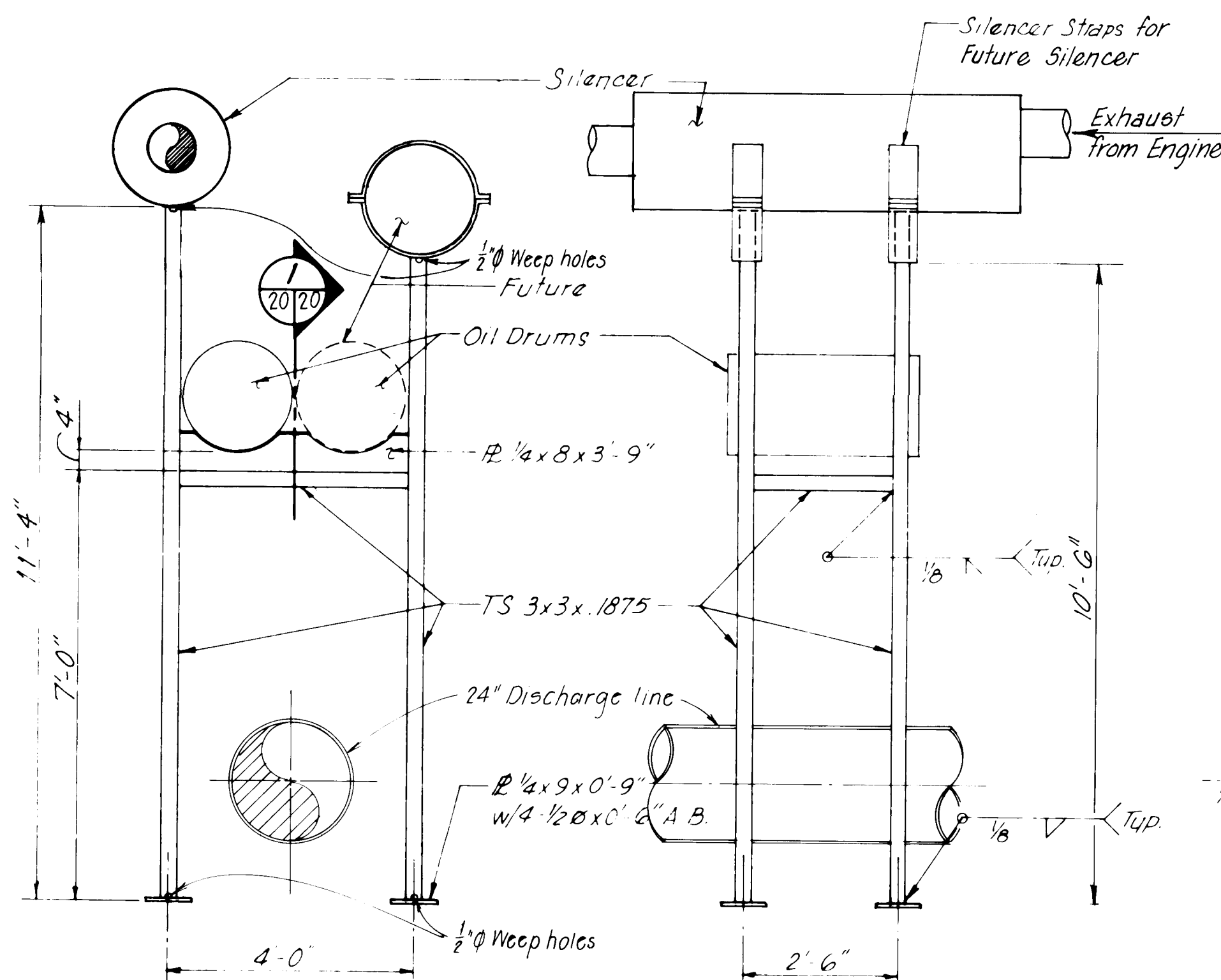
HOSE RACK DETAIL

Scale: $1\frac{1}{2}" = 1'-0"$



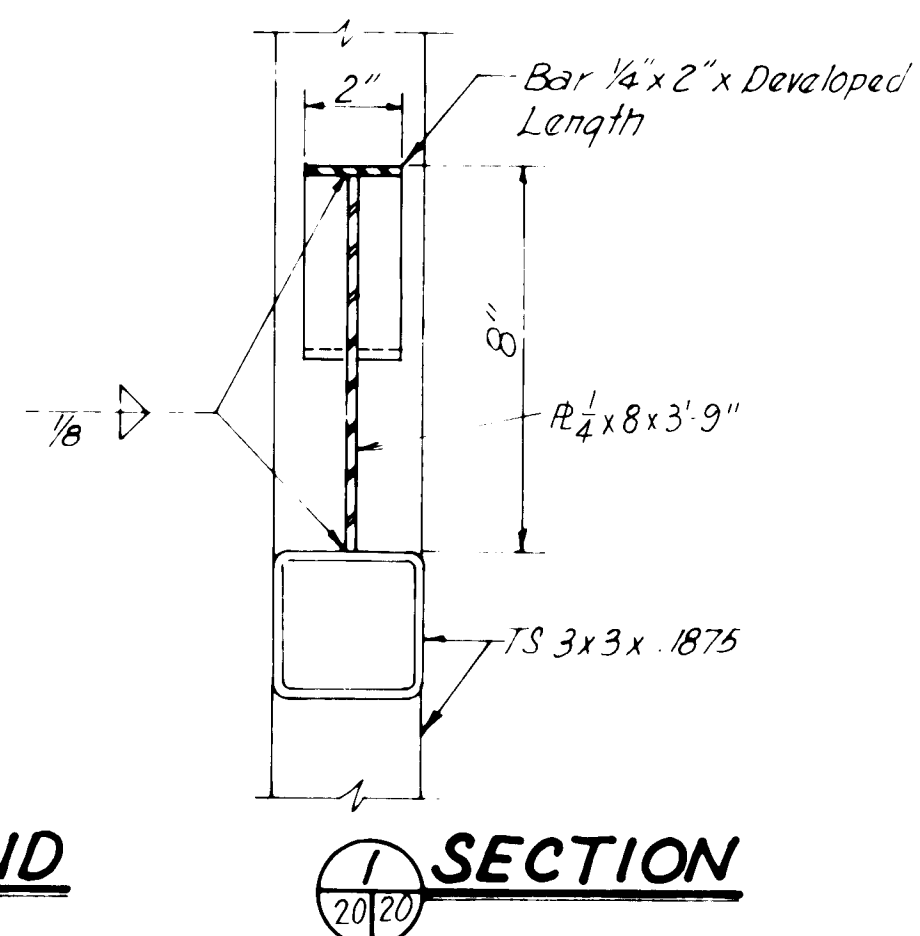
5 SECTION

Scale: $1\frac{1}{2}" = 1:0"$

ELEVATION

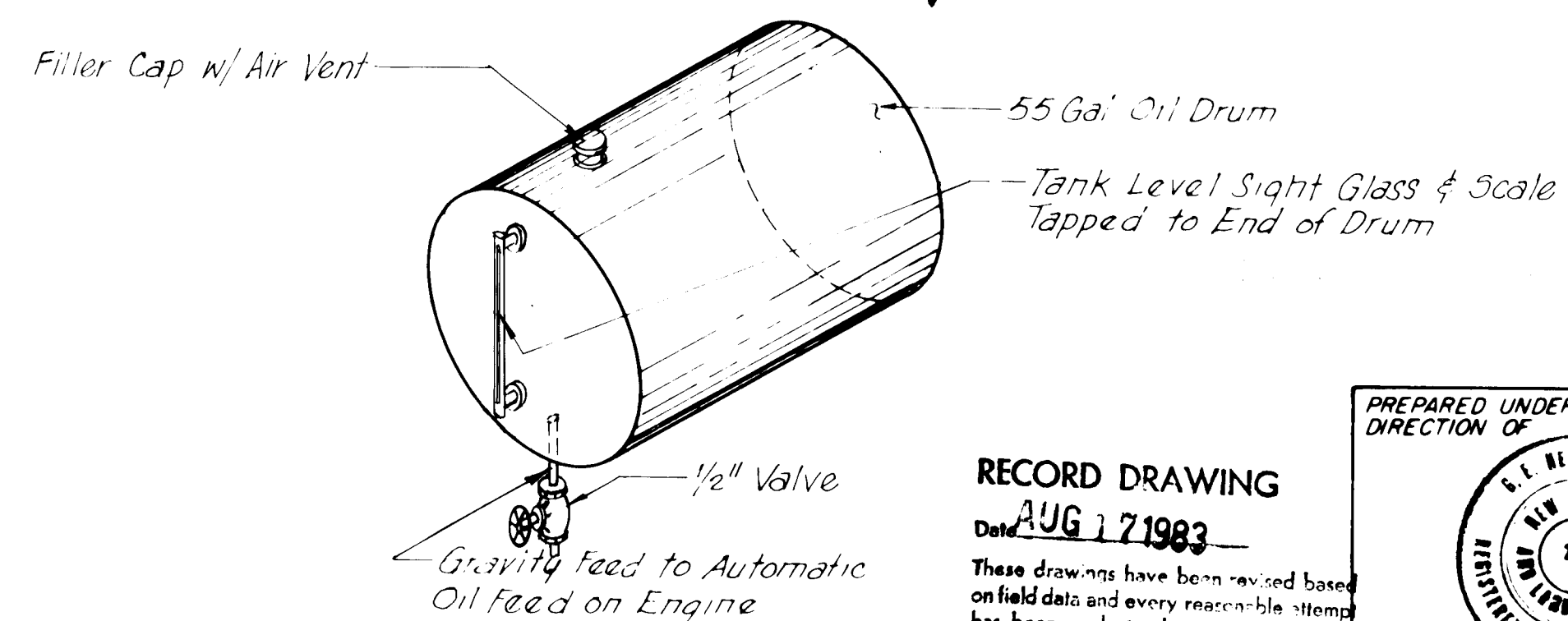
SILENCER AND OIL DRUM STAND

Scale: $\frac{1}{2}'' = 1'-0''$



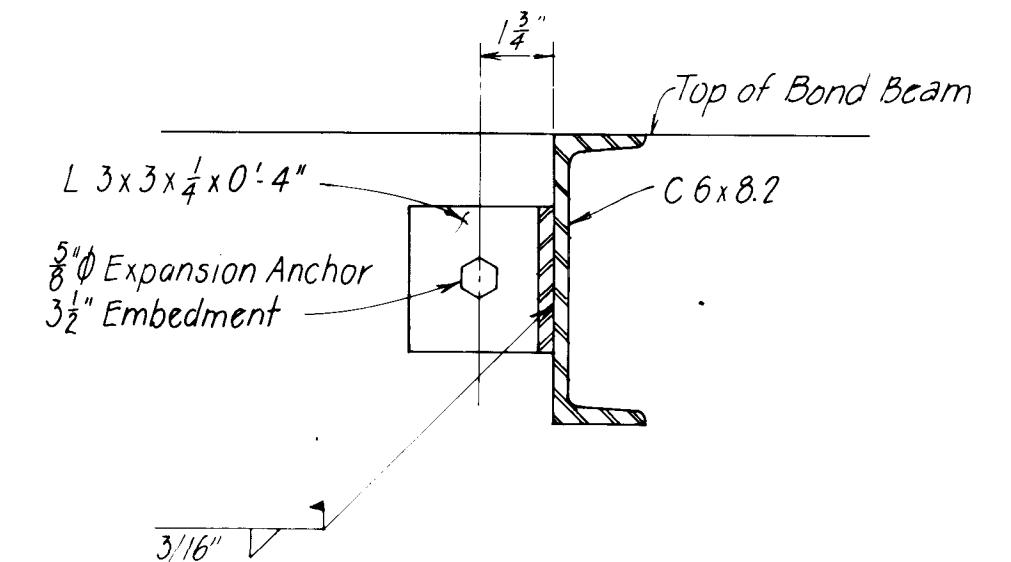
EXHAUSTER DETAIL

No Scale:



OIL DRUM DETAIL

Not to Scale



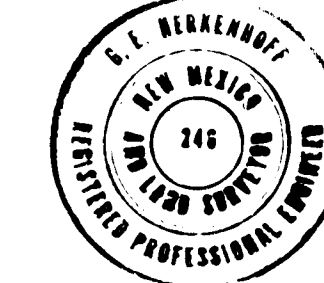
6 SECTION

Scale: 3" = 1'-0"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26	1	6	8	7	.	1	1				20	84		

RECORD DRAWING
Date AUG 17 1983

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



PREPARED UNDER THE
DIRECTION OF

**APPROVED FOR
CONSTRUCTION**

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

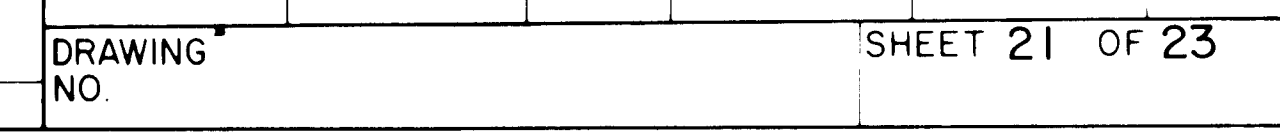
TITLE: ATRISCO PUMP STATION

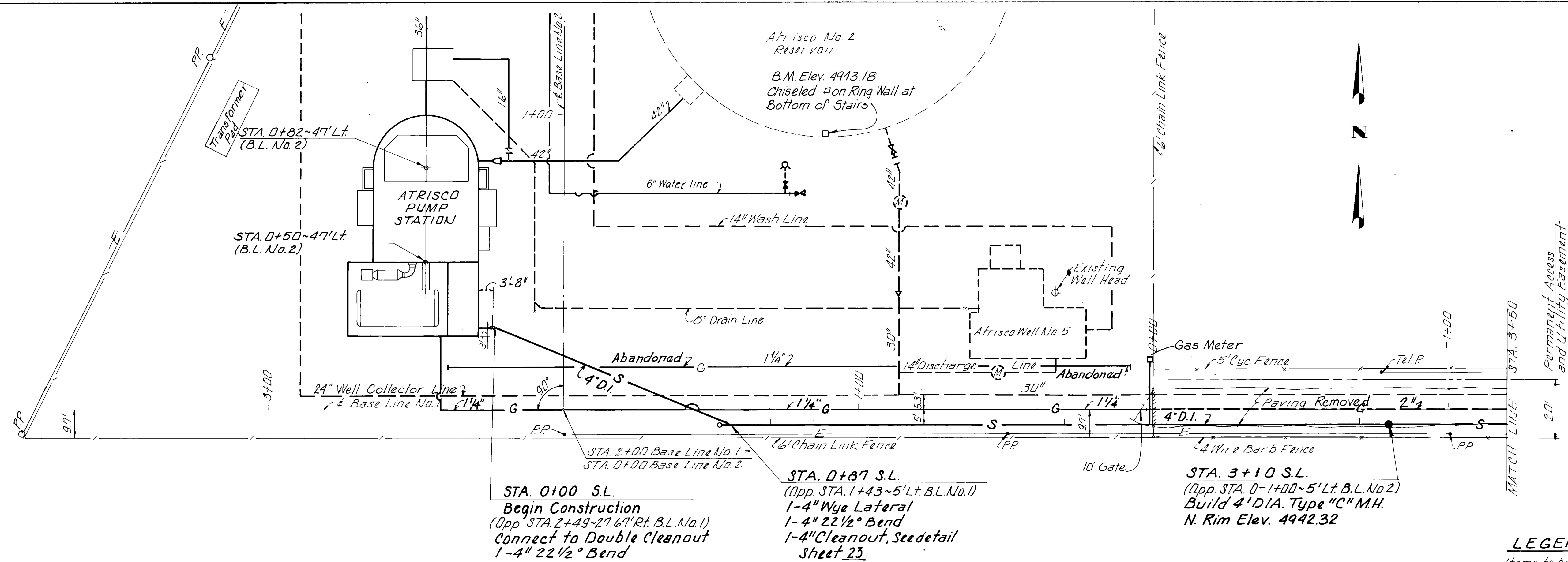
MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		

DRAWING
NO.

SHEET 20 OF 23

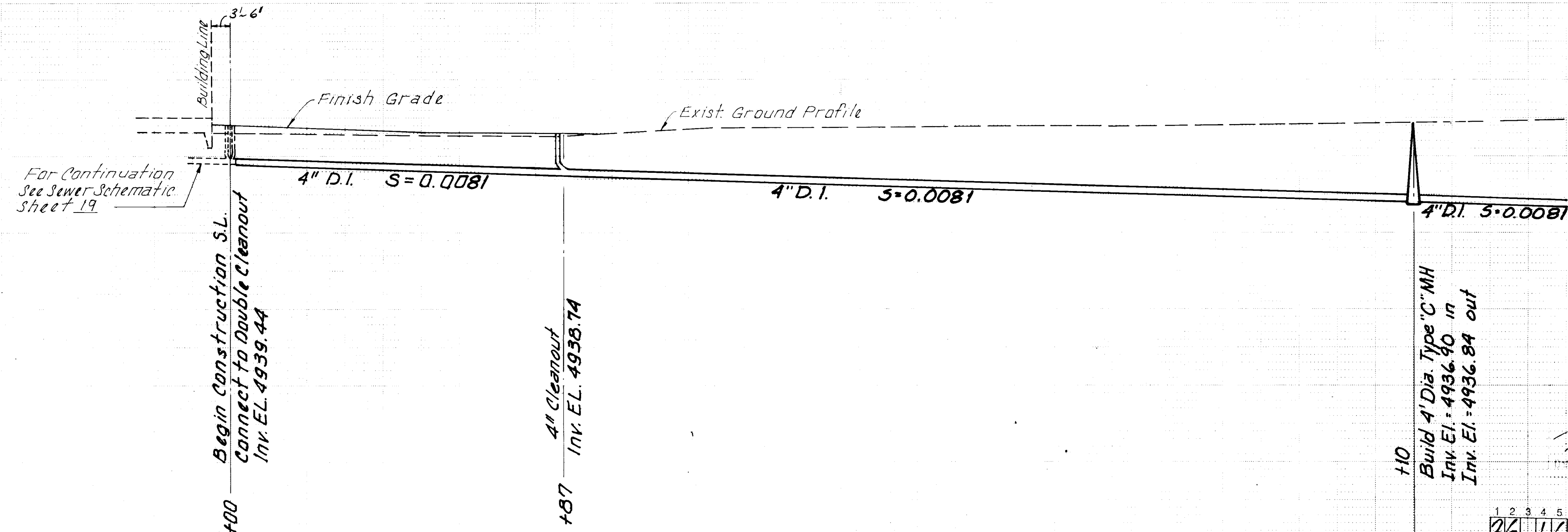




LEGEND

Items to be built under Atrisco No. 5 Well Equipment Contract

SCALES
Horiz: 1"=20'
Vert: 1"=5'

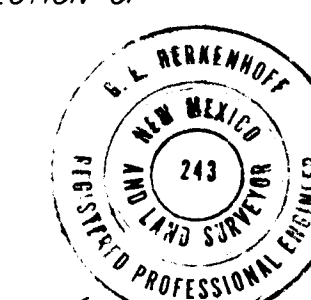


RECORD DRAWING

Date: AUG. 7, 1983

Those drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

PREPARED UNDER THE DIRECTION OF



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: ATRISCO PUMP STATION
SANITARY SEWER PLAN AND PROFILE
STA. 0+00 TO STA. 3+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

DRAWING NO.

SHEET 22 OF 23

AS BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR'S	DATE
STAKE BY	DATE
FIELD	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS	
TBM - Chiseled Square on Ring Wall of Reservoir adjacent to Slurway (Elev. 4943.18) based on closed level loop from Albuquerque City Survey Bench Mark 12-K-12	

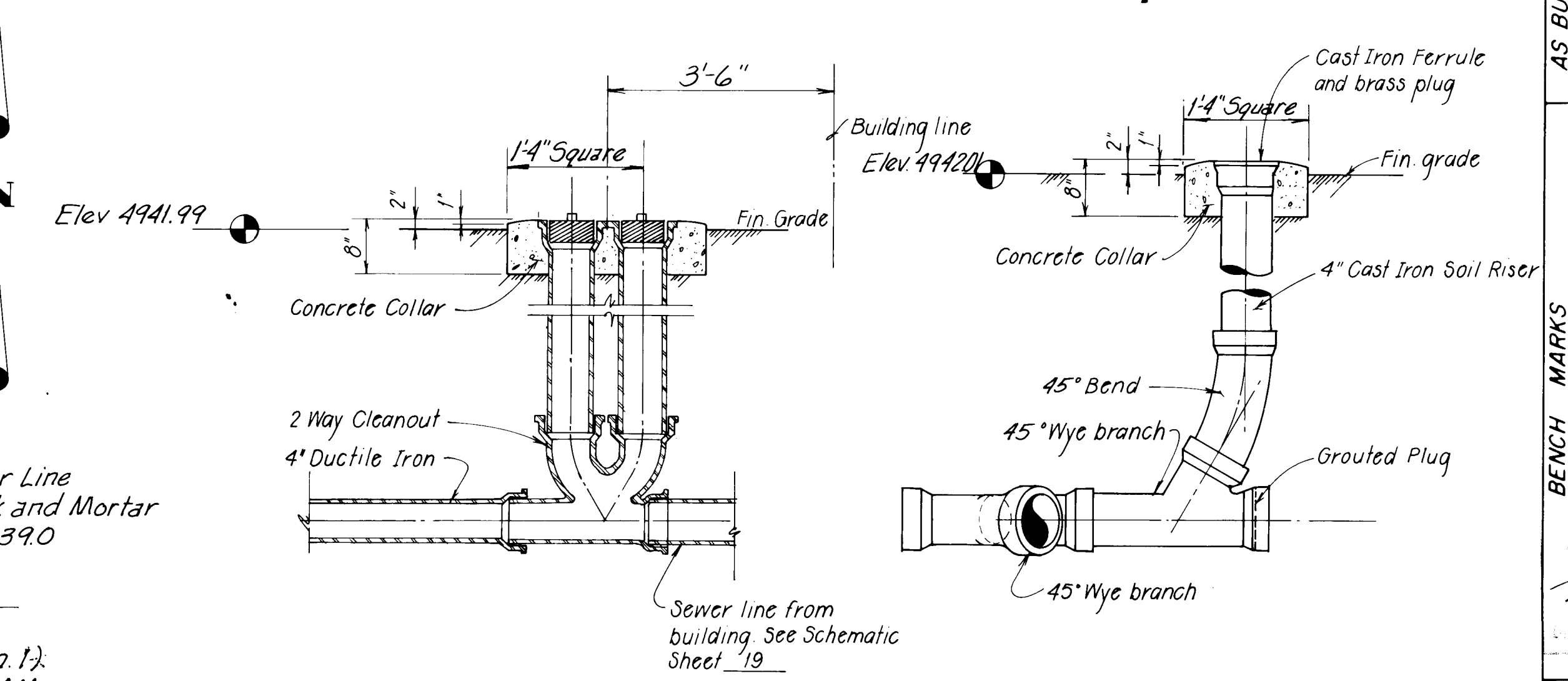
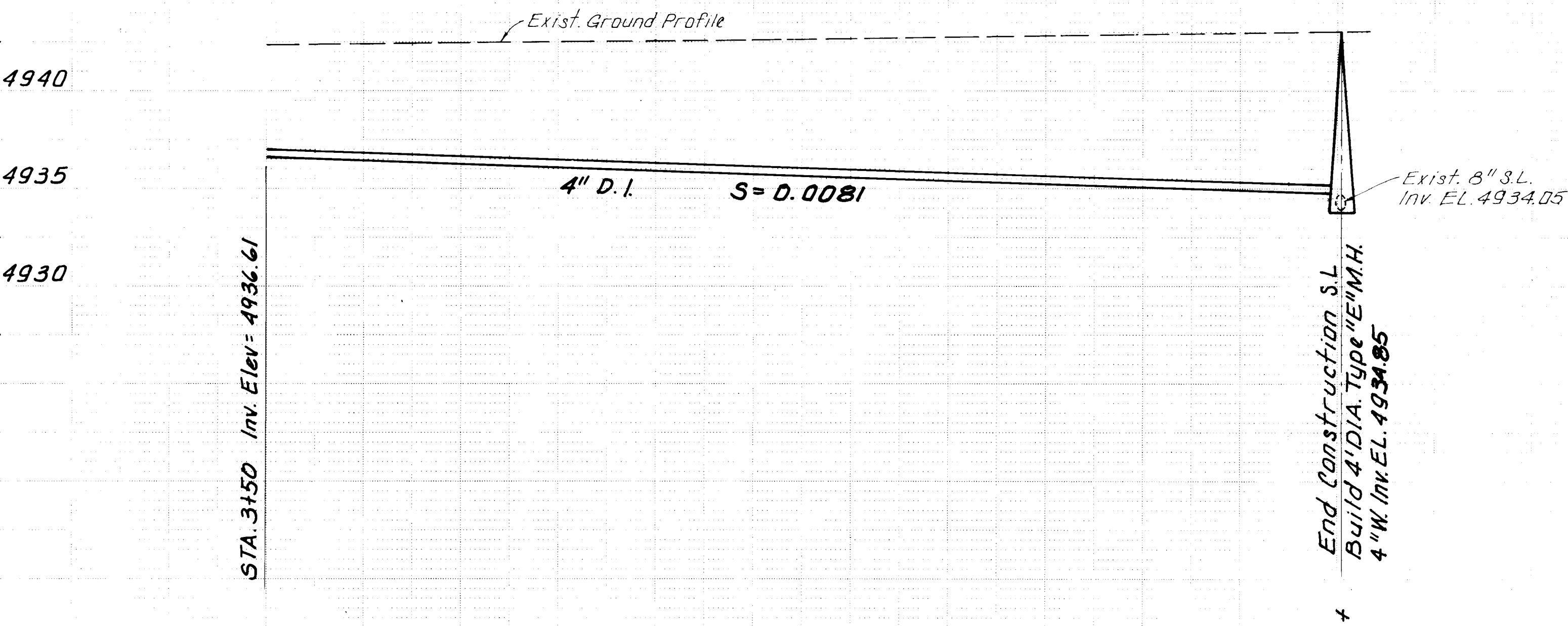
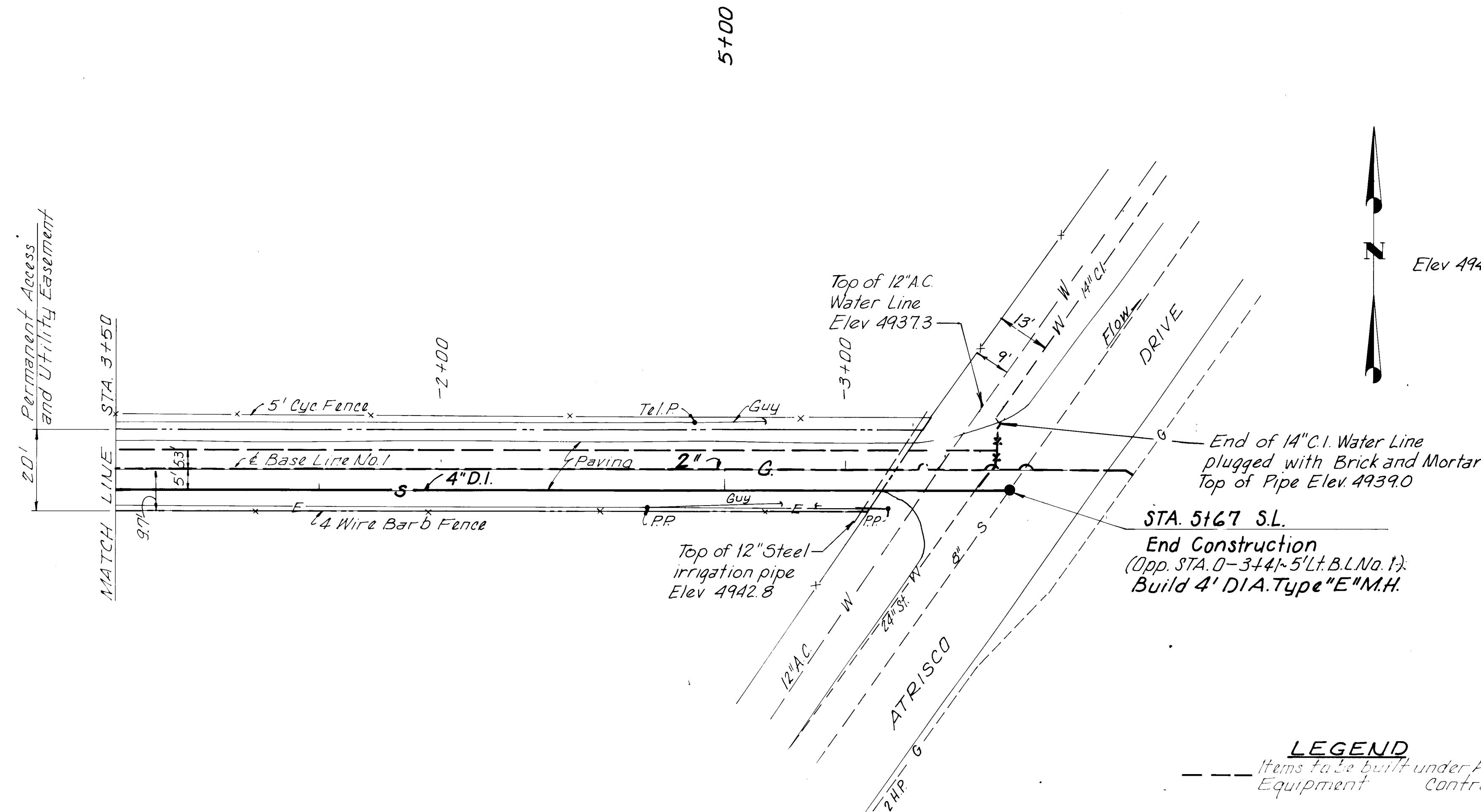
SURVEY INFORMATION	
FIELD NOTES	DATE
BY	
NO.	

REFERENCES	
MAP NO.	W.O. NO.
EST. NO.	

REVISIONS	
NO.	DATE
REMARKS	BY
DESIGN	
DESIGNED BY: WWW	DATE: NOV. 1980
DRAWN BY: B.G.C.	DATE: NOV. 1980
CHECKED BY:	DATE:

26 1687.11 2284

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
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DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
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DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.



DOUBLE CLEANOUT DETAIL
No Scale:

CLEANOUT DETAIL
No Scale:

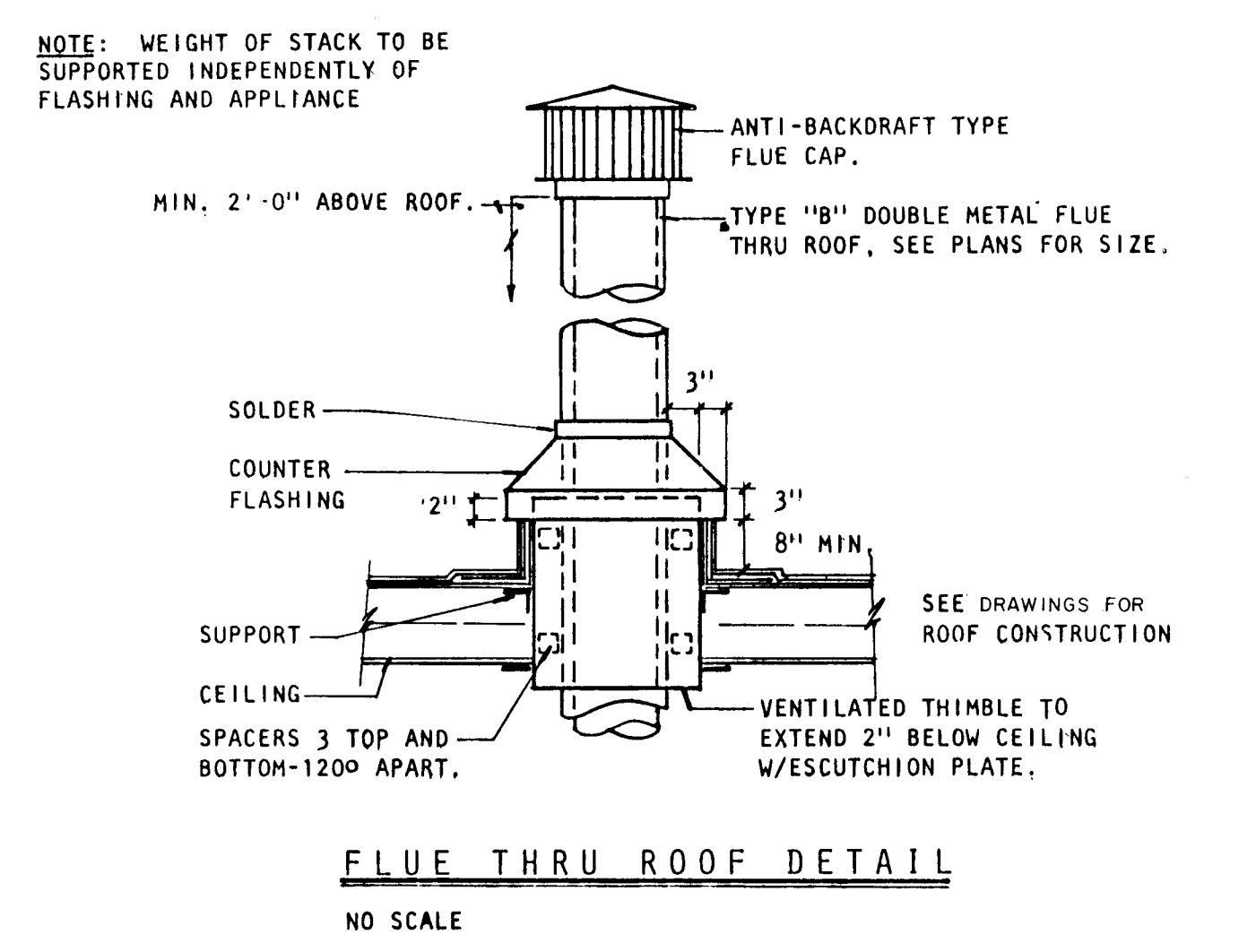
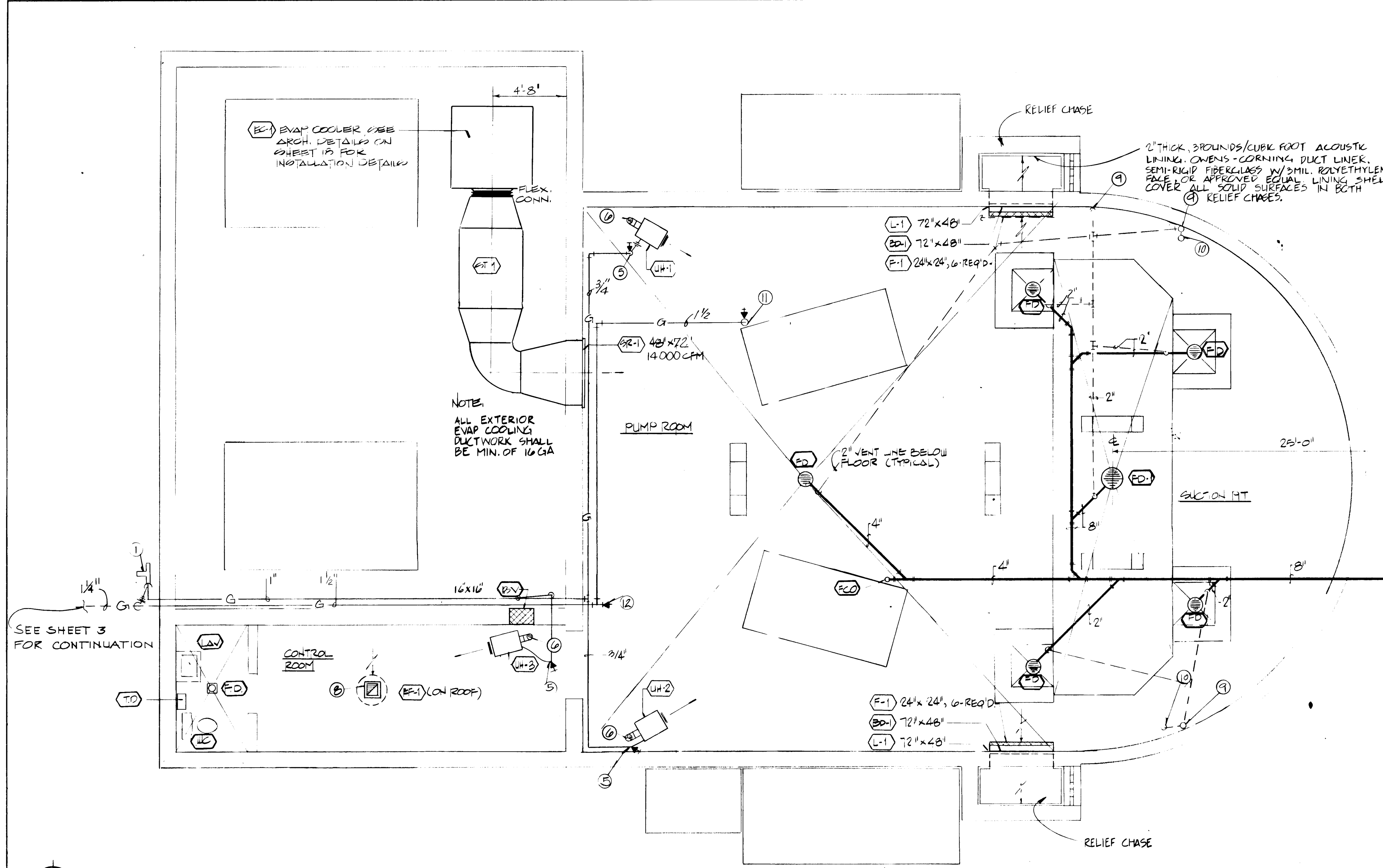
LEGEND
Items to be built under Atrisco No. 5 Well Equipment Contract

SCALES
Horiz: 1" = 20'
Vert: 1" = 5'

26 1 1987 11 2387

RECORD DRAWING
AUG 17 1987
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION	
APPROVED FOR CONSTRUCTION		TITLE: ATRISCO PUMP STATION SANITARY SEWER PLAN AND PROFILE STA. 3+50 TO STA. 5+67	
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
A.C.E. - Design			Traffic
A.C.E. - Hydrology			Water
DESIGNED BY	WWW	DATE	NOV 1980
DRAWN BY	BGC	DATE	NOV 1980
CHECKED BY		DATE	



KEYED NOTES

1. INSTALL PRESSURE REGULATOR FOR 125 CFH @ 7\"/>
- 2.
3. H.S.L. GAS LINES ALONG WALL TO BELOW CEILING.
4. EXTEND GAS LINE THRU WALL INTO HIGH BAY AREA AND RISE LINE INTO JOIST SPACE.
5. DROP GAS LINE TO CONNECTION AT HEATER, PROVIDE GAS COCK AND FLEXIBLE CONNECTION
6. 4\"/>
7. SUSPEND UNIT HEATERS FROM ROOF STRUCTURE WITH
8. 12\"/>
9. RISE VENT LINE ALONG WALL TO BELOW ROOF STRUCTURE. UNISTRUT AND 5/16\"/>
10. COMBINE VENTS INTO ONE LINE BELOW ROOF STRUCTURE, OFFSET TO MISS PARAPET, AND RISE THRU ROOF.
11. DROP GAS LINE DOWN TO MAKE CONNECTION TO PUMP ENGINE, PROVIDE GAS COCK AND UNION IN DROP BELOW JOIST FOR SHUT-OFF DURING SERVICING OF ENGINES.
12. GAS LINE WITH 1 1/2\"/>

EQUIPMENT SCHEDULE

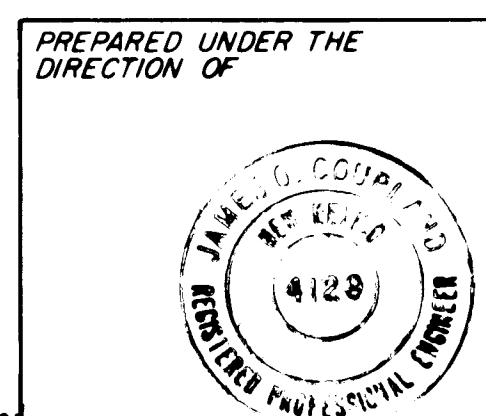
SYMBOL	DESCRIPTION
EC-1	EVAPORATIVE COOLER: DRIP TYPE EVAP. COOLER COMPLETE WITH CABINET, FILTER PAD FRAMES, BLOWER WHEEL, BLOWER HOUSING, WATER DISTRIBUTION TROUGH, BLOWER MOTOR, FLOAT VALVE, RECIRCULATING WATER PUMP AND ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. THE CABINET SHALL BE CONSTRUCTED OF HEAVY GAUGE HOT DIPPED GALVANIZED STEEL WITH ALL SUPPORTS OF WELDED CONSTRUCTION. THE ENTIRE WATER RESERVOIR SHALL BE COATED WITH A PROTECTIVE ASPHALT COATING. COOLER EXTERIOR SHALL BE FINISHED WITH A FACTORY APPLIED ENAMEL FINISH. BLOWER MOTOR SHALL BE TWO SPEED. SPECIFICALLY DESIGNED FOR USE IN EVAPORATIVE COOLER APPLICATION WITH BEARINGS PERMANENTLY LUBRICATED AND SHALL BE FURNISHED WITH AN ADJUSTABLE SHEAVE. RECIRCULATING WATER PUMP SHALL HAVE PERMANENTLY LUBRICATED BRONZE BEARINGS, WATERPROOF INSULATION AND WATER SHIELD CAP. COMPLETE WITH SHEET METAL MOUNTING PANELS WITH NEOPRENE GASKETS AND CLIPS FOR INSTALLATION. MCGRAW EDISON MODEL ES 213A, 14000 CFM AT 0.4\"/>
EF-1	EXHAUST FAN: CENTRIFUGAL TYPE WITH SPUN ALUMINUM HOUSING, ALUMINUM CURB CAP, STAINLESS STEEL FASTENINGS, PRE-LUBRICATED BALL BEARING DRIVE, VIBRATION ISOLATORS, NON-OVERLOADING ALL ALUMINUM WHEEL AND HUB DYNAMICALLY AND STATISTICALLY BALANCED, BACKDRAFT DAMPER, BIRDSCREEN, DISCONNECT SWITCH, EXTERNAL ALUMINUM WIRING POST, PRE-FABRICATED CURBS AND WIRING TO J-BOX. ACME ENGINEERING MODEL PR100-6, 350 CFM AT 1/2\"/>
JH-1 THRU JH-3	GAS FIRED UNIT HEATER: HORIZONTAL AIR FLOW, PROPELLER TYPE, GAS FIRED UNIT HEATER COMPLETE WITH STEEL HEAT EXCHANGER, DIRECT DRIVE FAN, ADJUSTABLE HORIZONTAL LOUVERS, GAS CONTROLS, FAN AND LIMIT CONTROLS, FAN GUARDS, HANGING BRACKET KIT, ELECTRIC THERMOSTAT, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT. ALL MODEL NUMBERS ARE LISTED BELOW
SR-1	SUPPLY REGISTER: TUTTLE & BAILEY T-557 DOUBLE DEFLECTION DIFFUSER WITH INDIVIDUALLY ADJUSTABLE VANES, FRONT AND REAR, SET ON 3/4\"/>
L-1	LOUVER: EXTRUDED ALUMINUM CONSTRUCTION WITH HIGH DENSITY MINERAL WOOL FILLER, SIZE AS SHOWN ON DWGS.
BD-1	BAROMETER RELIEF DAMPERS: BLADES LINKED TYPE COUNTERBALANCED PARALLEL BLADE UNIT WITH 12 GAUGE STEEL FRAME, 0.063 ALUMINUM BLADES, ADJUSTABLE COUNTERWEIGHT, CADMIUM PLATED SHAFTS, BALL BEARINGS, AND NON-BINDING CORROSION RESISTANT HARDWARE. PROVIDED NEOPRENE BLADE EDGE SEALS. REFER TO PLANS FOR SIZES AND POSITIONING. DOWCO CORPORATION SERIES BRL-202 M.
F-1	FILTERS: AIRSAN TYPE W2-45 HIGH VELOCITY AIR FILTER, WITH HOLDING FRAME AND HOLDING CLIPS. SIZE AND NUMBER AS SHOWN ON PLANS.

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
WC	WATER CLOSET: CRANE "RADCLIFFE" 3-144 RIM FED, SIPHON JET, WHIRL POOL ACTION, ELONGATED RIM BOWL WITH SELF DRAINING JET, BOLT CAPS, VITREOUS CHINA TANK AND COVER WITH FLUSH VALVE, FLOAT VALVE WITH BACKFLOW PREVENTOR AND TRIP LEVER COVER LOCKING DEVICE, ANGLE SUPPLY WITH WHEEL HANDLE STOP, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK AND CHECK HINGE, LESS COVER.
LAV	LAVATORY: CRANE "NORWICH" 1-194-V VITREOUS CHINA LAVATORY WITH BACK, RECTANGULAR BASIN, SPLASH LIP, FRONT OVERFLOW, TWO SOAP DEPRESSIONS, AND DRILLED FOR ZURN Z-1231 FLOOR SUPPORTED CARRIER WITH CONCEALED HANGERS AND LAVATORY ANCHORING SCREWS WITH CHICAGO FAUCET NO. 409-E12CW SLO-CLOSE FAUCET AND 8-5222 P.O. PLUG WITH PERFORATED STRAINER, 8-5001 ANGLE SUPPLY WITH LOOSE KEY ANGLE STOP AND FLEXIBLE RISERS, AND 8-5260 CAST BRASS ADJUSTABLE "IP" TRAP WITH CLEANOUT AND WASTE TO WALL, LAVATORY SIZE 20"x18".
FD	FLOOR DRAIN: JAY R. SMITH MANUFACTURING CO. MODEL NO. 2010-A REGULAR GRATE WITH DUCO CAST IRON BODY AND CHROME PLATED STAINLESS HEAD.
FD-1	FLOOR DRAIN: JAY R. SMITH MANUFACTURING CO. MODEL NO. 6050 WITH DUCO CAST IRON BODY AND LOOSE SET CHROME PLATED GRATE AND FRAME.
BY	BRICK VENT: ANDCO MODEL BB-6, OR APPROVED EQUAL. VENT SHALL BE SOLID CAST ALUMINUM, ACRYLIC COATED WITH ALUMINUM INSECT SCREEN.
TD	TOWEL DISPENSER: BRADLEY MODEL 251, OR APPROVED EQUAL, SURFACE MOUNTED, STAINLESS STEEL, 400 SINGLE-FOLD CAPACITY.
ST-1	SOUND TRAP: INDUSTRIAL ACOUSTICS COMPANY IN-DUCT NOISE ATTENUATOR MODEL SES, NOMINAL MODULE SIZE SHALL BE 24" X 48", SILENCER SHALL BE CONSTRUCTED OF 22 GAUGE GALVANIZED STEEL MINIMUM. UNIT SHALL BE CAPABLE OF PASSING 6000 CFM WITH A MAXIMUM PRESSURE DROP OF 0.20" WG. 2 SILENCERS INSTALLED.

RECORD DRAWING
AUG 1 1987

These drawings have been revised based on field data and every attempt has been made to depict construction as actually performed.



APPROVED FOR CONSTRUCTION

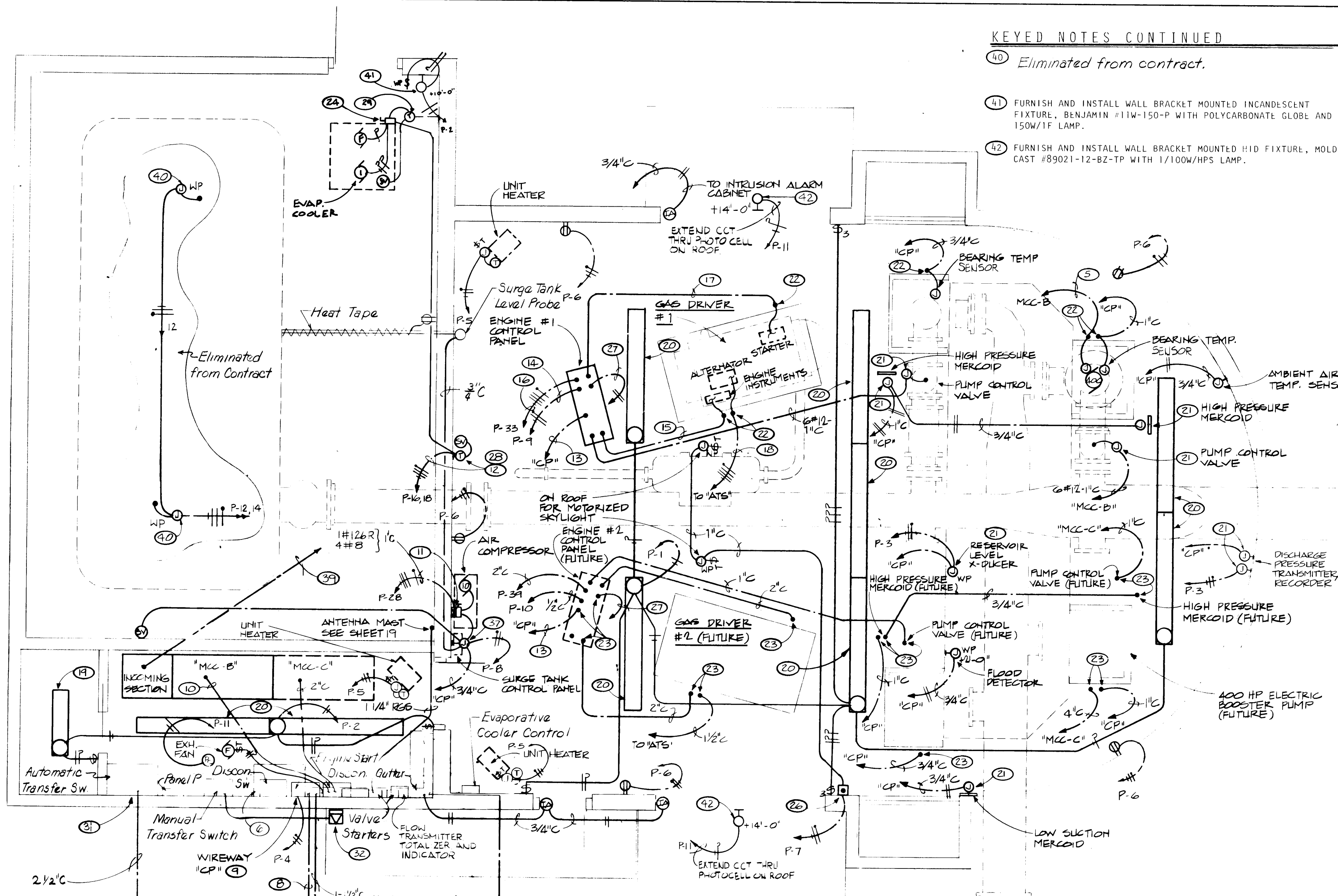
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: ATRISCO PUMP STATION MECHANICAL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET M-1 OF M-1		

KEYED NOTES CONTINUED

- (40) Eliminated from contract.
- (41) FURNISH AND INSTALL WALL BRACKET MOUNTED INCANDESCENT FIXTURE, BENJAMIN #11W-150-P WITH POLYCARBONATE GLOBE AND 150W/1F LAMP.
- (42) FURNISH AND INSTALL WALL BRACKET MOUNTED HID FIXTURE, MOLD CAST #89021-12-BZ-TP WITH 1/100W/HPS LAMP.

KEYED NOTES

- (1) RE-INFORCED CONCRETE PAD FOR METERING, SWITCH GEAR AND TRANSFORMER. PAD TO BE 8'-0" x 26'-0" x 8" THICK AND HAVE BLOCKOUTS AS REQUIRED BY PUBLIC SERVICE COMPANY OF N.M. VERIFY EXACT LOCATION WITH ARCH.
- (2) METERING TRANSCLUSURE PER PNM REQUIREMENTS.
- (3) PAD MOUNT 15 KV GANG OPERATED FUSIBLE SWITCH SEE SPECIFICATIONS.
- (4) 3#2-15KV SHIELDED CABLE IN 4" R.S. CONDUIT.
- (5) 3#4-5KV SHIELDED CABLE IN 4" R.S. CONDUIT.
- (6) DRY TYPE TRANSFORMER, FLOOR MOUNTED, KVA SIZE AS INDICATED ON PLANS, 4160 VOLT PRIMARY TO 208Y/120 VOLT, 3 PH, 4W SECONDARY, WITH 4-2 1/2% TAPS (2FCAN & 2 FCBN).
- (7) EXTEND 1" CONDUIT FROM KWH METER TO WIREWAY "CP". MAKE CONNECTIONS REQUIRED.
- (8) EXTEND 3/4" CONDUIT FROM GAS METER TO WIREWAY "CP". MAKE CONNECTIONS REQUIRED.
- (9) 6" x 6" x 4'-0" S.C. WIREWAY. INSTALL UP 8'-0" ABOVE FINISH FLOOR TO BOTTOM. ALL CONTROL AND INSTRUMENTATION CONDUITS & CONDUCTORS TO TERMINATE AT THIS WIREWAY ON TERMINAL STRIPS AND LABELLED.
- (10) INSTALL 2" CONDUIT BETWEEN WIREWAY "CP" AND WELL PUMP STARTER. INSTALL 16-14 CONDUCTORS. VERIFY CONNECTIONS REQUIRED AND LABEL ALL UNUSED CONDUCTORS AS SPARES.
- (11) COMBINATION FUSED DISCONNECT SWITCH/MAGNETIC MOTOR STARTER. NEMA SIZE 2, 208 VOLT, 3 PH, IN A NEMA 1 ENCLOSURE, COIL TO BE 120 VOLT. STARTER TO HAVE "OFF-AUTO" SWITCH IN COVER AND AUX. CONTACTS AS REQUIRED.
- (12) EXTEND TO CIRCUIT INDICATED THRU EVAPORATIVE COOLER CONTROLS. SEE EVAPORATIVE COOLER CONTROL DIAGRAM.
- (13) 2" CONDUIT FROM ENGINE CONTROL PANEL TO WIREWAY "CP".
- (14) 2#10 & 1#12 (GROUND) IN 1/2" CONDUIT. (ENGINE CONTROL POWER).
- (15) 2#14 AND 4#10 IN 2" CONDUIT (ENGINE INSTRUMENTATION & CONTROL).
- (16) 4#1/0 THW + 1#6 (GROUND) IN 2" CONDUIT (STARTER AC POWER).
- (17) 2#4/0 (DC WELDING) IN 2" CONDUIT (STARTER DC POWER).
- (18) 4#2 THW + 1#8 (GROUND) IN 1-1/2" CONDUIT.
- (19) FURNISH AND INSTALL 4" INDUSTRIAL LIGHTING FIXTURE WITH 2/F40/CW LAMPS, LAMP GUARD AND END CAPS SURFACE MOUNTED. FIXTURE TO BE BENJAMIN #FL-1024-40/FL-173.
- (20) FURNISH AND INSTALL 8" INDUSTRIAL LIGHTING FIXTURE WITH 2/F96/T12HO LAMPS, LAMP GUARD AND END CAPS SURFACE MOUNTED. FIXTURE TO BE BENJAMIN #FL-1025-80/FL-173.
- (21) INSTALL WP J-BOX AT HEIGHT REQUIRED TO CONNECTION TO EQUIPMENT. FINAL CONNECTION TO BE MADE USING LIQUID TIGHT FLEX CONDUIT. VERIFY REQUIREMENTS & LOCATION IN FIELD.
- (22) STUB RIGID CONDUIT 6" ABOVE FLOOR SLAB. INSTALL THREADED COUPLING, AND EXTEND LIQUID TIGHT FLEX CONDUIT TO FINAL CONNECTION.
- (23) STUB RIGID CONDUIT FLUSH WITH FINISH FLOOR. INSTALL THREADED COUPLING WITH PLUG FOR FUTURE EXTENSION TO EQUIPMENT.
- (24) 30A/3P+SN, 250 VOLT, NEMA 3R FUSIBLE DISCONNECT SWITCH. FUSE ONE POLE FOR FAN "HI" SPEED, ONE POLE FOR FAN "LO" SPEED AND ONE POLE FOR PUMP. FUSES TO BE BUSS FRN. SIZE = 125% FLA.
- (25) NOT USED
- (26) PUSH BUTTON STATION FOR CONTROL OF MOTORIZED SKYLIGHT, FURNISHED BY OTHERS, CONNECTED BY ELEC. CONTRACTOR.
- (27) EXTEND TO EVAP. COOLER CONTROLS.
- (28) LINE VOLTAGE T-STAT CLOSE-ON-RISE, SET FOR 80 DEG. F.
- (29) LINE VOLTAGE T-STAT OPEN-ON-RISE, SET FOR 40 DEG. F. INSTALL IN WP ENCLOSURE. SEE "EVAP COOLER CONTROL DIAGRAM"
- (30) STUB CONDUIT DOWN TO 8'-0" ABOVE FIN FLOOR AND BUSH. (FOR ANTENNA COAX-RGB/U).
- (31) 400 AMP, 3P+SN, 250 VOLT NEMA 1 FUSIBLE DISCONNECT SWITCH. FUSE WITH BUSS FRN-250 AMP FUSES. LABEL SWITCH "WELL HOUSE MAIN".
- (32) GENERATOR RECEPTACLE-INSTALL UP 36". SEE POWER RISER DIAGRAM FOR REQUIREMENTS.
- (33) BOND STRUCTURAL STEEL (RE-BAR, ETC.) TO COUNTERPOISE. (TYP).
- (34) CONNECT ELECTRICAL SERVICE GROUND TO BUILDING COUNTERPOISE.
- (35) BOND MECHANICAL EQUIPMENT AND PIPING TO COUNTERPOISE.
- (36) EXTEND DOWN CONDUCTOR FROM AIR TERMINAL LOOP AT COUNTERPOISE. (TYP.)
- (37) 6"x6"x4" S.C. J-BOX FOR CONNECTION OF CONTROL CONDUCTORS OF SURGE TANK AND AIR COMPRESSOR. VERIFY CONTROL REQUIREMENTS WITH CONTROL SPEC AND AIR COMPRESSOR MANUFACTURERS RECOMMENDATIONS.
- (38) VALVE MOTOR STARTERS. SEE "VALVE CONTROL DIAGRAM" SHEET E2 FOR DETAILS.
- (39) 3#2 15 KV SHIELDED CABLE IN 4" R.S. CONDUIT, TO PAD MOUNT TRANSFORMER.



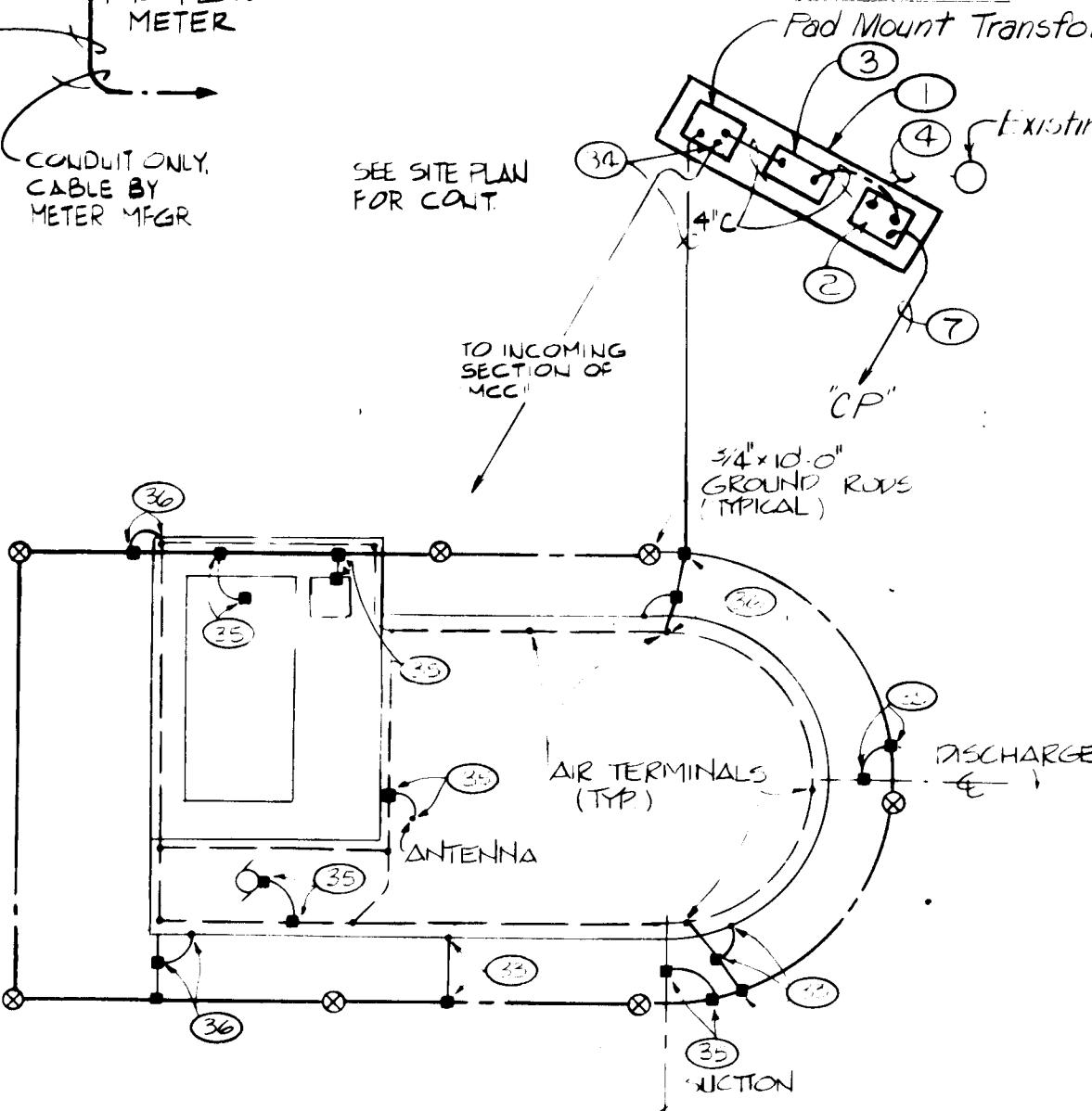
ATRISCO BOOSTER STATION - ELECTRICAL PLAN

LIGHTING PROTECTION NOTES

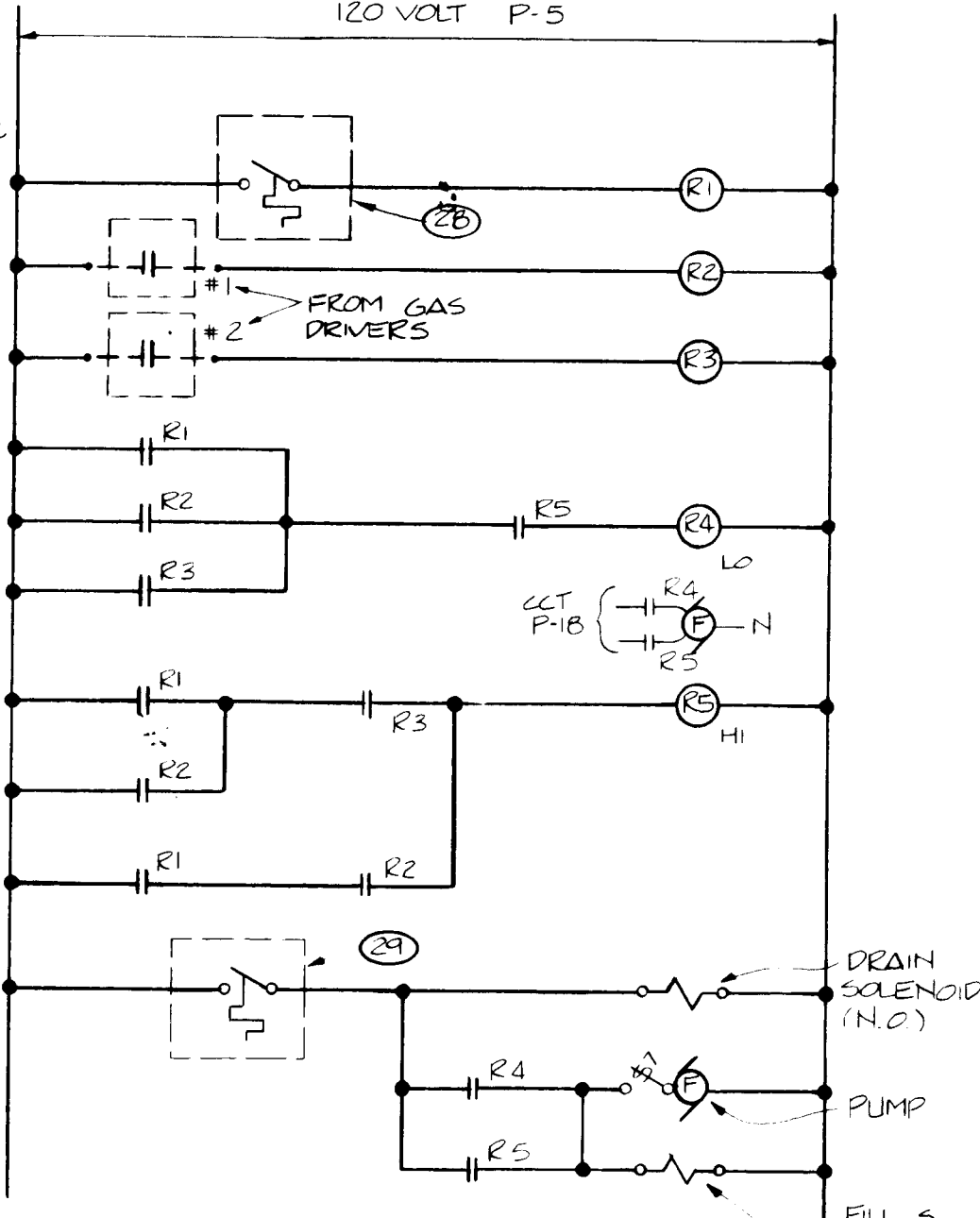
1. ALL GROUNDING CONDUCTORS TO BE 1/0 COPPER.
2. GROUND ROSS TO BE 3/4" O x 10'-0" LONG COPPER CLAD.
3. ALL CONDUCTOR CONNECTIONS TO BE MADE USING CADWELL PROCESS.
4. ENTIRE LIGHTING PROTECTION AND COUNTERPOISE SYSTEM TO MEET U.L. MASTER LABEL "C" REQUIREMENTS. FURNISH SUBMITTAL SHOWING COMPLETE AND DETAILED PROTECTION PLAN, SYSTEM TO BE AS MANUFACTURED BY ROBINS, THOMPSON OR EQUAL.

RECORD DRAWING
1983

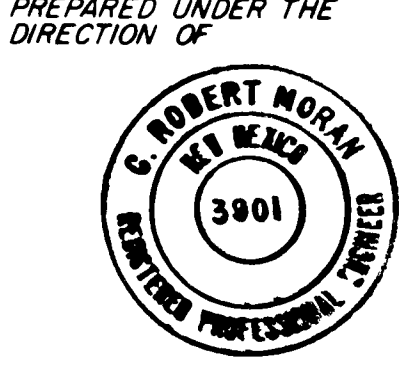
These drawings were prepared based on field data and a reasonable attempt has been made to depict construction as actually performed.



LIGHTNING PROTECTION PLAN
SCALE: 1" = 20'-0"



EVAP COOLER CONTROL
DIAGRAM

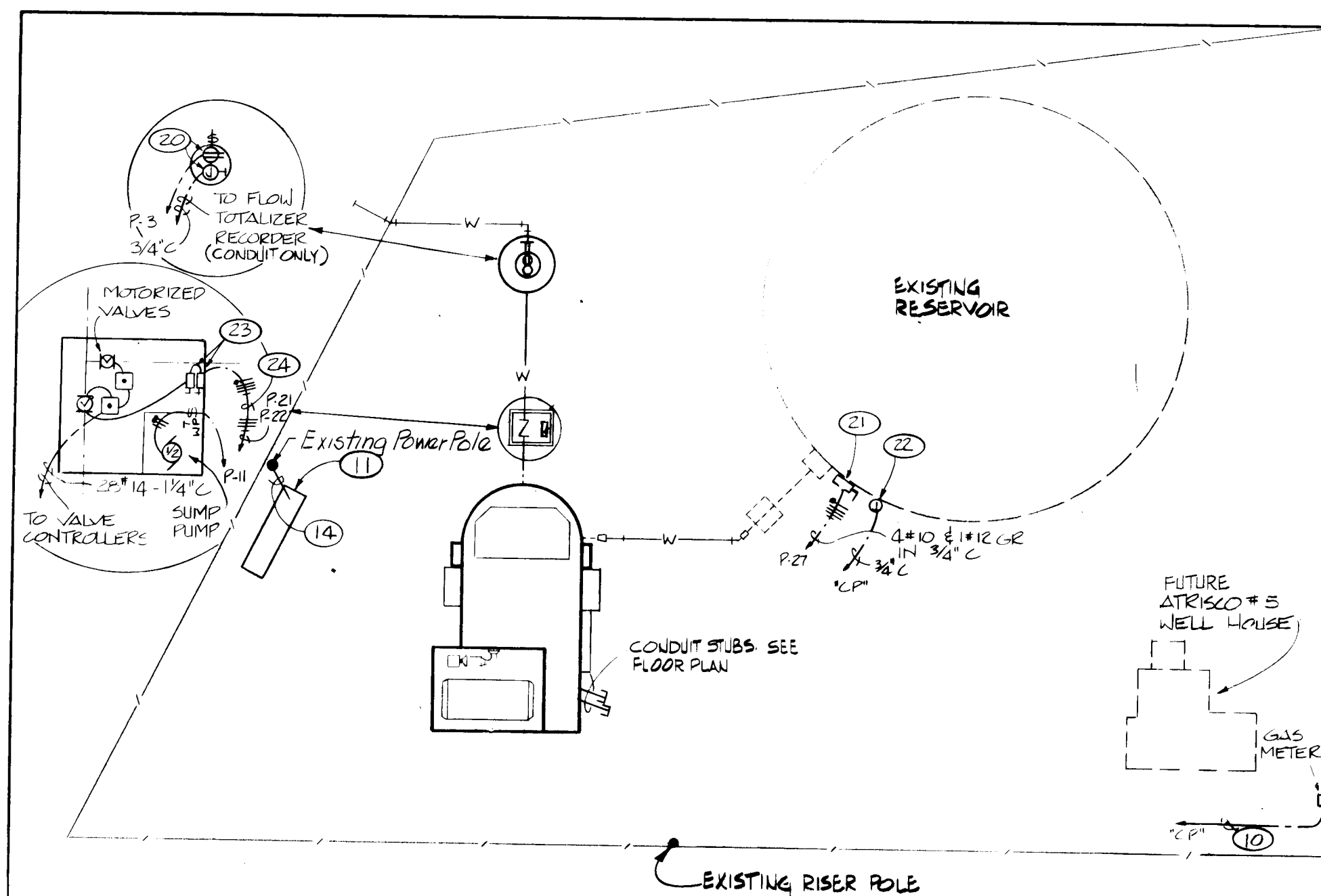


APPROVED FOR
CONSTRUCTION

CITY ENGINEER DATE

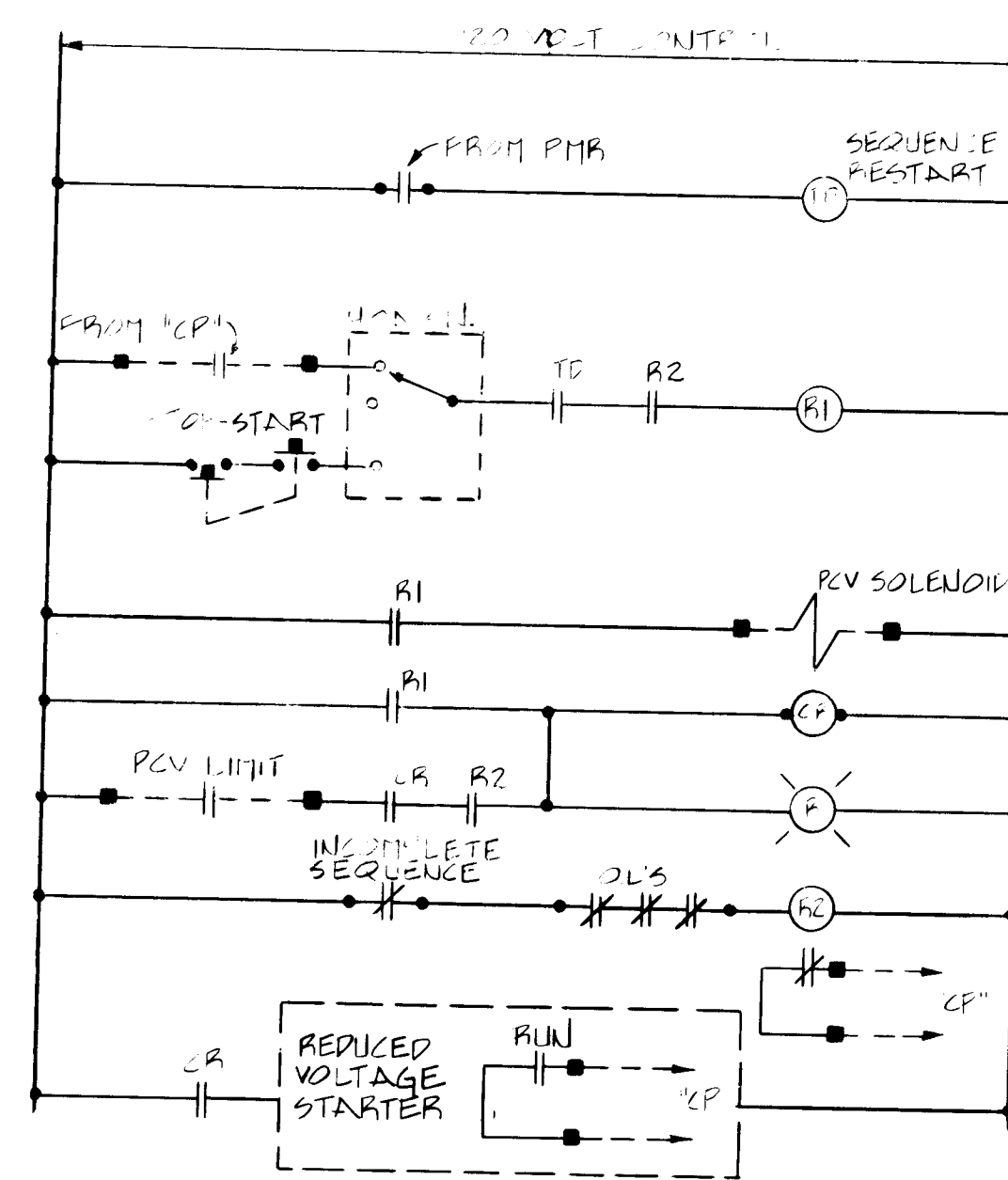
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: ATRISCO PUMP STATION ELECTRICAL PLAN AND DIAGRAM					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET E-1 OF E-2		

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24 1687.11 E18A

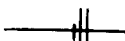
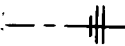
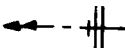


ELECTRICAL SITE PLAN

SCALE: 1"=40'-0"

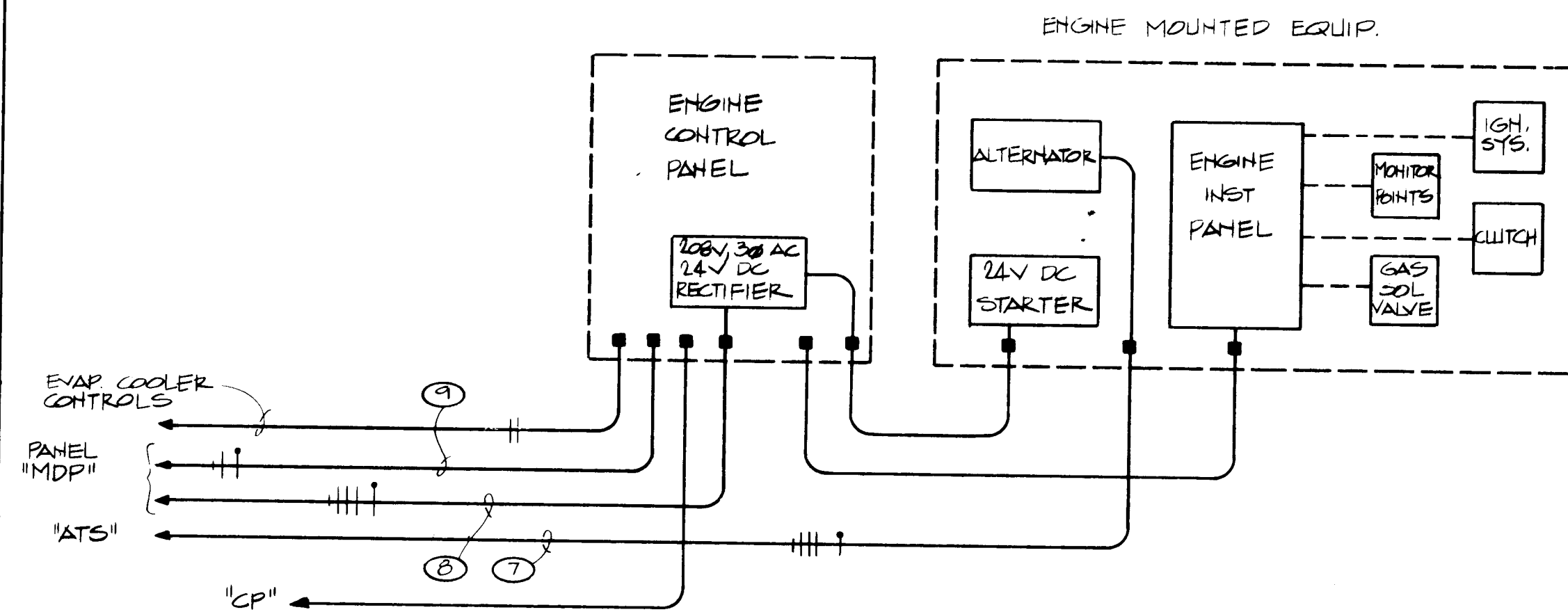


PUMP CONTROL DIAGRAM
PCV = PUMP CONTROL VALVE
PMR = PHASE MONITORING RELAY

SYMBOL LEGEND	
SYMBOL	DESCRIPTION
	OUTLET AND BRACKET MOUNTED FIXTURE.
	OUTLET AND FLUORESCENT FIXTURE.
	SINGLE POLE WALL SWITCH, UP 52".
	THREE WAY WALL SWITCH.
	THERMAL OVERLOAD SWITCH WEATHERPROOF IF INSTALLED OUTSIDE
	JUNCTION BOX FLUSH IN WALL - HEIGHT AS NOTED OR REQUIRED WITH CONNECTION TO EQUIPMENT.
	DUPLEX CONVENIENCE OUTLET, UP 12" OR AS NOTED, WP DENOTES WEATHERPROOF.
	THERMOSTAT, UP 5'-6". LINE VOLTAGE, CLOSE ON RISE, 60°-90° RANGE
	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.
	ELECTRIC PANEL - SEE SCHEDULE.
	MOTOR CONNECTION WITH H.P. INDICATED.
	MOTOR CONTROLLER SIZE AND POLES FOR MOTOR FURNISHED.
	SAFETY SWITCH, SWITCH TO HAVE NUMBER OF POLES AND RATING REQUIRED. SWITCH TO BE A NEMA 3R IF INSTALLED OUTDOORS.
	BRANCH CIRCUIT ON WALLS OR CEILING WITH CONDUCTORS INDICATED.
	BRANCH CIRCUIT IN WALLS OR UNDER FLOOR WITH CONDUCTORS INDICATED.
	HOME RUN TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.
	PHOTOCELL LIGHTING CONTROLLER, PRECISION "T-15 MOUNTED ON 1/2" RIGID CONDUIT STUBBED 12" ABOVE ROOF WITH WINDOW FACING NORTH.
	PUSH BUTTON STATION, NEMA 4 (WATERTIGHT) "OPEN-CLOSE-STOP" MOMENTARY ACTION. "SQ "D" "SKY-303.

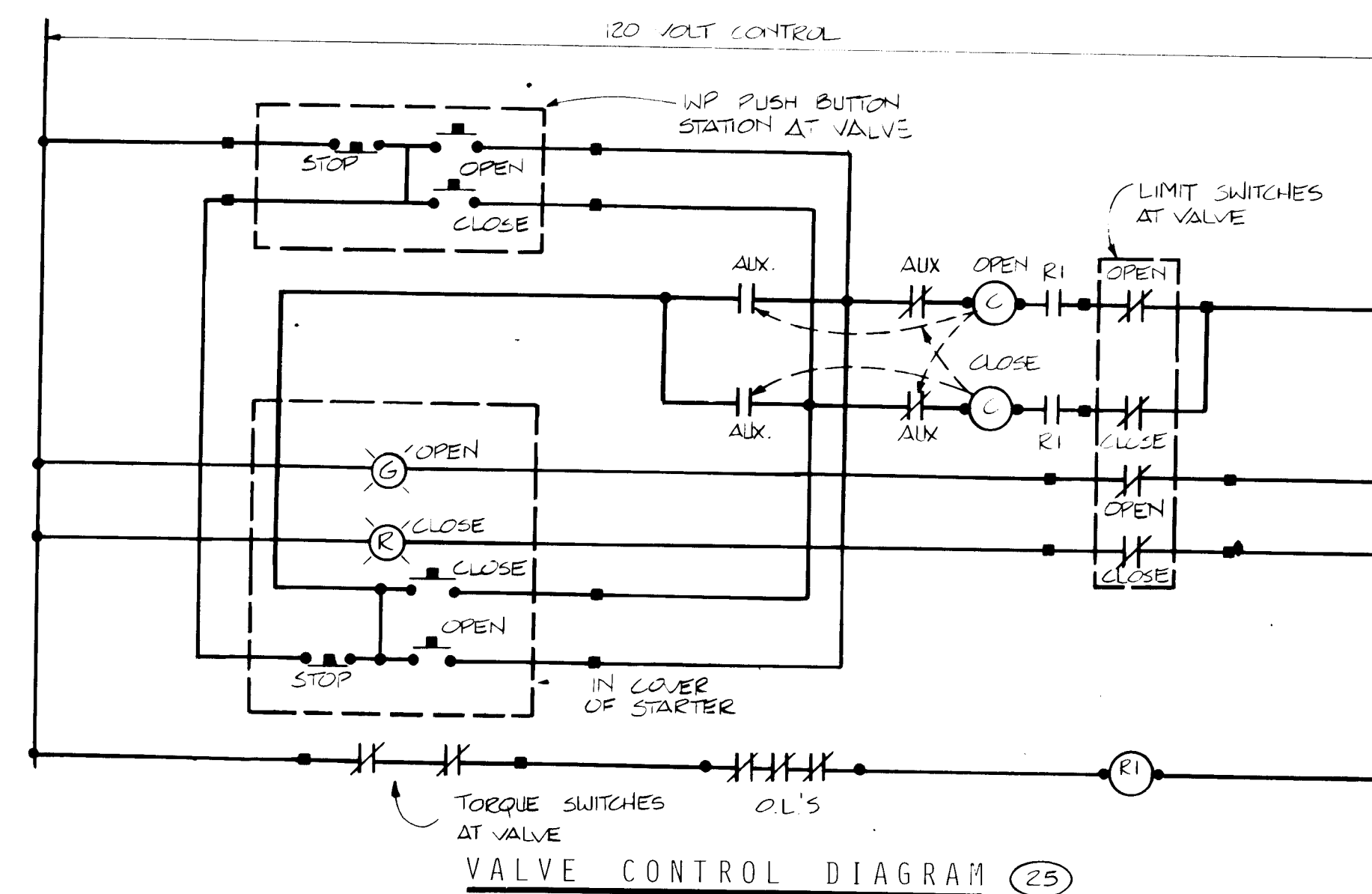
KEYED NOTES

- (1) EXTEND 4" RIGID UP RISER POLE WITH ALL STAND OF BRACKETS, THOLDS ETC. PER PUBLIC SERVICE CO. REQUIREMENTS.
 - (2) 3"3/0 THW IN 2" CONDUIT @ #4 GR.
 - (3) FURNISH AND INSTALL METERING EQUIP. AS INDICATED IN SPECIFICATIONS.
 - (4) MANUAL TRANSFER SWITCH. 400 AMP, 3 POLE + SN AND GROUND LUG, 250 VOLT FUSIBLE. FUSE UTILITY SIDE AT 250 AMPS AND RECEPTACLE SIDE AT 200 AMPS. WESTINGHOUSE XF-325 OR EQUAL.
 - (5) GENERATOR RECEPTACLE. 200 AMP, 250 VOLT 5 POLE 5 WIRE GROUNDING THRU HOUSING. RUSSELL & STOLL #JRSA2044F. NO SUBSTITUTIONS
 - (6) AUTOMATIC TRANSFER SWITCH (THREE SOURCE). SEE SPECIFICATIONS FOR DETAILS.
 - (7) 4-2 THW + 1#8 (GROUND) IN 1-1/2" CONDUIT.
 - (8) 4-1/0 THW + 1#6 (GROUND) IN 2" CONDUIT (STARTER POWER).
 - (9) 2#10 & 1#12 (GROUND) IN 3/4" CONDUIT. (CONTROLS POWER)
 - (10) EXTEND 3/4" CONDUIT FROM GAS METER TO WIREWAY "CP". MAKE CONNECTIONS REQUIRED.
 - (11) RE-INFORCED CONCRETE PAD FOR METERING, SWITCH GEAR AND TRANSFORMER. PAD TO BE 8'-0" x 26'-0" x 8" THICK AND HAVE BLOCKOUTS AS REQUIRED BY PUBLIC SERVICE COMPANY OF N.M. VERIFY EXACT LOCATION WITH ARCH.
 - (12) NOT USED.
 - (13) PAD MOUNT 15 KV GANG OPERATED FUSIBLE SWITCH SEE SPECIFICATIONS.
 - (14) 3#2-15KV SHIELDED CABLE IN 4" R.S. CONDUIT.
 - (15) 3#4-5KV SHIELDED CABLE IN 4" R.S. CONDUIT.
 - (16) 3#6-5KV SHIELDED IN 2" R.S. CONDUIT @ 1"6 GR.
 - (17) DRY TYPE TRANSFORMER, FLOOR MOUNTED, KVA SIZE AS INDICATED ON PLANS, 4160 VOLT PRIMARY TO 208Y/120 VOLT, 3 PH, 4W SECONDARY, WITH 4-2 1/2" TAPS (2FCAN & 2 FCBN).
 - (18) 400 AMP, 3P+SN, 250 VOLT NEMA 1 FUSIBLE DISCONNECT SWITCH. FUSE WITH BUSS FRN-250 AMP FUSES. LABEL "WELL HOUSE MAIN".
 - (19) 4" 1/0 & 1"6 GR. IN 2" CONDUIT.
 - (20) INSTALL WP RECEPTACLE AND J-BOX IN METER PIT.
 - (21) 30A, 3P+SN, 250 VOLT, NEMA 3R NON-FUSED DISCONNECT SWITCH. VERIFY LOCATION IN FIELD.
 - (22) WP J-BOX FOR EXTENSION OF LEVEL PROBE CONDUCTORS TO WIREWAY "CP". VERIFY LOCATION IN FIELD.
 - (23) 30A, 3P+SN, 250 VOLT, NEMA 6 NON FUSED DISCONNECT SWITCH.
 - (24) EXTEND TO CIRCUITS INDICATED THRU VALVE STARTERS IN STATION. SEE VALVE CONTROL DIAGRAM THIS SHEET.
 - (25) FURNISH AND INSTALL TWO MAGNETIC REVERSING MOTOR STARTERS. 208 VOLT, 3 PH, WITH 120 VOLT COILS. FURNISH "OPEN-CLOSE-STOP" PUSH BUTTONS AND RED & GREEN PILOT LIGHT IN COVER. NEMA SIZE 1 IN NEMA 1 ENCLOSURE.
- 26 4-250MCM #1-2GR IN 2 1/2" CONDUIT

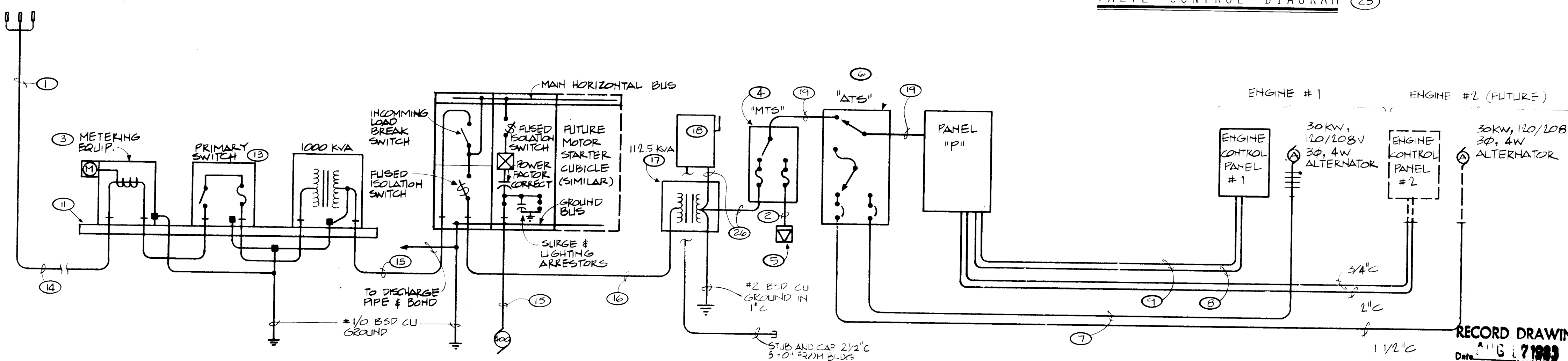


ENGINE #1 BLOCK DIAGRAM

ENGINE #2 SIMILAR



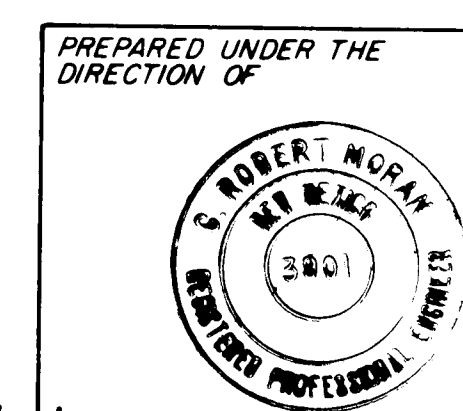
VALVE CONTROL DIAGRAM (25)



POWER RISER DIAGRAM

PANEL SCHEDULE			
PANEL "P" 120/208 VOLT, 3Ø, 4 WIRE 250 AMP MB, 400A ML, SURFACE MOUNT, BOTTOM FEED, GROUND BAR.			
CIRCUIT NO.	WIRE SIZE	CCT. BKR.	LOAD
1 THRU 17	#12	20A/1P	LTG. RECEPT. CONTROLS, SPARES
18	#8	40A/1P	EVAP COOLER
21, 22	#10	20A/1P	MOTORIZED VALVES
27	#10	20A/3P	CATHODIC PROTECTION
28	#8	63A/3P	SURGE TANK COMPRESSOR
33, 39	#1/0	150A/3P	GAS DRIVER STARTERS

	2	3	4	5	6	7	8	9	10	11	12	13	14	15
26		16	87.	11			E284							



on **APPROVED FOR
CONSTRUCTION**

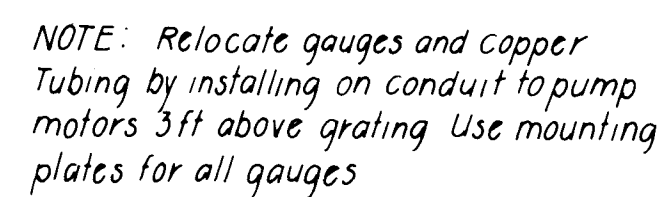
CITY ENGINEER

	CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION
TITLE:	ATRISCO PUMP STATION ELECTRICAL SCHEDULE AND DETAILS

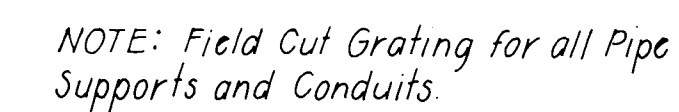
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

DRAWING NO.	
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SHEET E-2 OF E-2



Scale: $\frac{1''}{4} = 1'.0''$



Scale: $\frac{1}{4}'' = 1'-0''$

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



CITY ENGINEER

[Return to top](#)

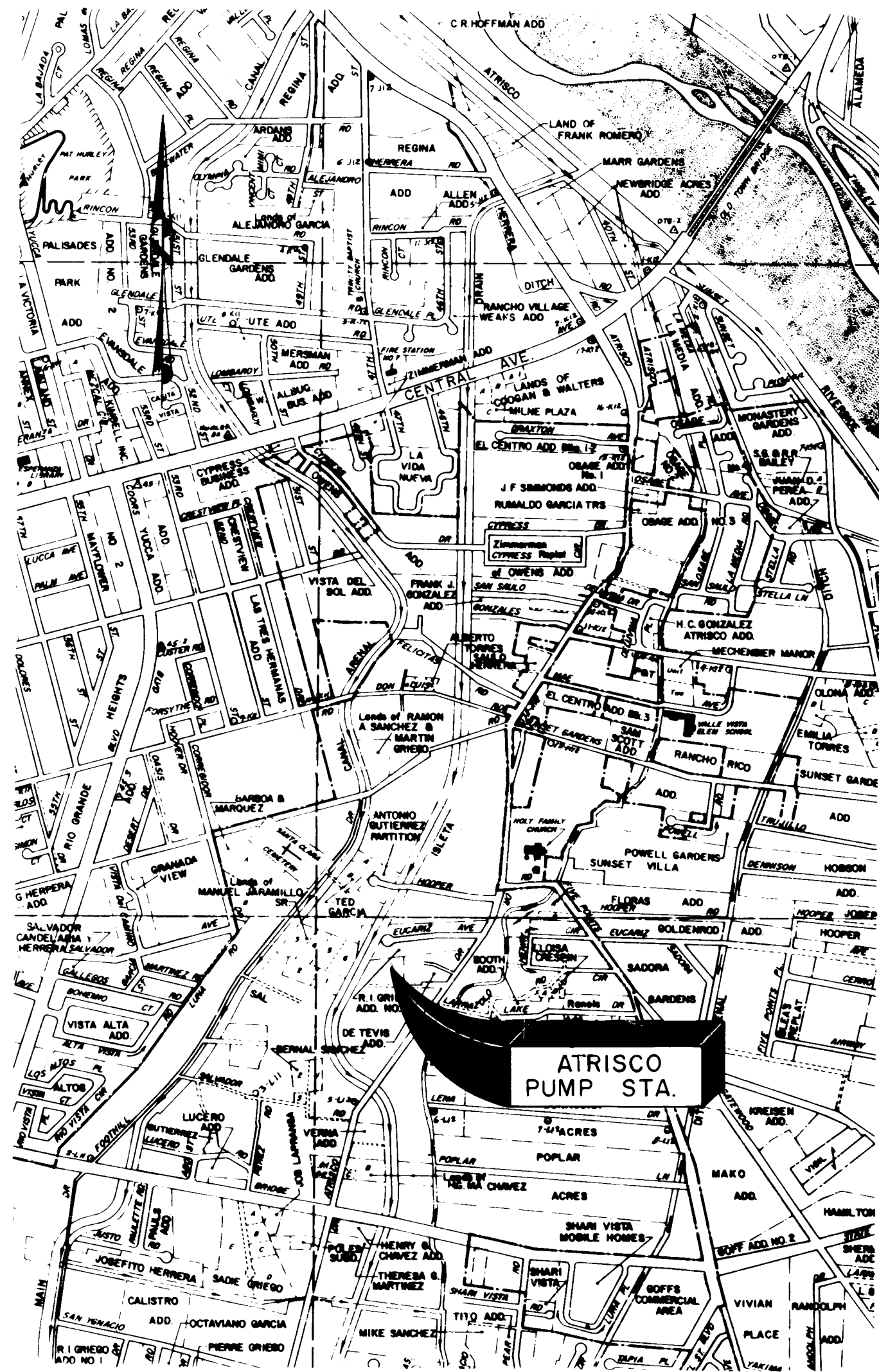
TITLE: SUPPER ROCK PUMP ST
FRAMING, GRATING AND

DRAWING NO.	SHEET MOD. 1 OF MOD. 3
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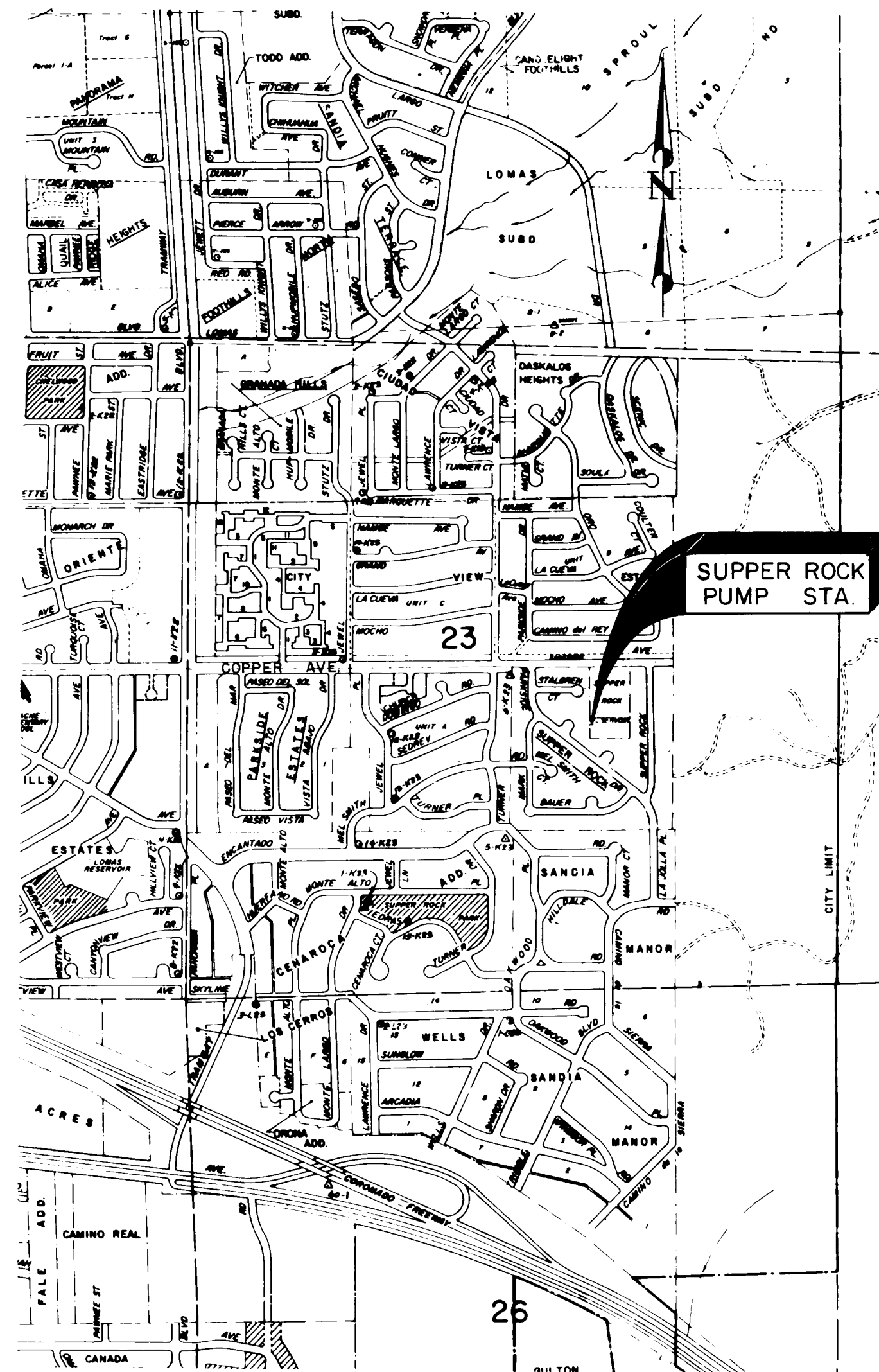
SHEET MOD. OF MOD. 3

[illegible][illegible][illegible]

REMARKS	DATE
REVISIONS	DATE
DESIGN	DATE



LOCATION MAP
SCALE: 1"=1000'



LOCATION MAP
SCALE: 1"=1000'



LOCATION MAP
SCALE: 1"=1000'

INDEX

SHEET N°

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- EI of EI
- E2 of E2

- MOD.1 of MOD.3
MOD.2 of MOD.3
MOD.3 of MOD.3

TITLE

- ATRISCO PUMP STATION**
LOCATION MAP, INDEX AND COVER SHEET
DEMOLITION PLAN
LAYOUT PLAN
GRADING PLAN
BUILDING ELEVATIONS
BUILDING ELEVATIONS
TRANSVERSE AND LONGITUDINAL SECTION
FOUNDATION PLAN
FLOOR AND PIPING PLAN
ROOF AND SKYLITE FRAMING PLAN
ROOF DRAINAGE AND SKYLITE PLAN
WALL SECTIONS
WALL SECTIONS
DOOR SECTIONS AND DETAILS
BEARING CONNECTIONS AND MISC DETAILS
SKYLITE FRAMING DETAILS AND SECTIONS
STRUCTURAL SECTIONS
PUMP BASE, PIPE CRADLE, THRUST RESTRAINT AND EVAP COOLER DETAILS
MISCELLANEOUS DETAILS
MISCELLANEOUS DETAILS
VALVE BOX AND SUMP PIT, DRAIN MANHOLE, AND METER PIT DETAILS
SANITARY SEWER PLAN AND PROFILE - STA 0+00 TO STA 3+50
SANITARY SEWER PLAN AND PROFILE - STA 3+50 TO STA 5+71
MECHANICAL PLAN
ELECTRICAL PLAN AND DIAGRAM
ELECTRICAL SCHEDULE AND DETAILS
SUPPER ROCK PUMP STATION MODIFICATIONS
FRAMING, GRATING, AND HANDRAIL PLANS
GRATING, AND HANDRAIL DETAILS
ATRISCO RESERVOIR AND ADOBE ACRES MODIFICATIONS
SAFETY GATE AT ATRISCO RESERVOIR AND DEMOLITION OF ADOBE ACRES RESERVOIR SITE

ATRISCO PUMP STATION

EXTRA SET
SEE 26-3133-84
AS BUILT PROJECT

NOTICE TO CONTRACTORS

New Mexico Standard Specifications for Public Works Construction - 1979 Edition will be referred to hereon as the "Standard Specification."

All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with "Contract Documents for City-Wide Utilities and Cash Paving No. 30 and the Standard Specification."

Two working days prior to any excavation, contractor must contact Line Locating Service, 765-1234 for location of existing utilities.

Prior to construction, the contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the contractor shall notify the engineer or surveyor so that the conflict can be resolved with a minimum amount of delay.

WATER RESOURCES DEPARTMENT
APPROVAL OF AS BUILT DRAWINGS
[Signature]
DATE 1/13/84

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 1687-11 01/84

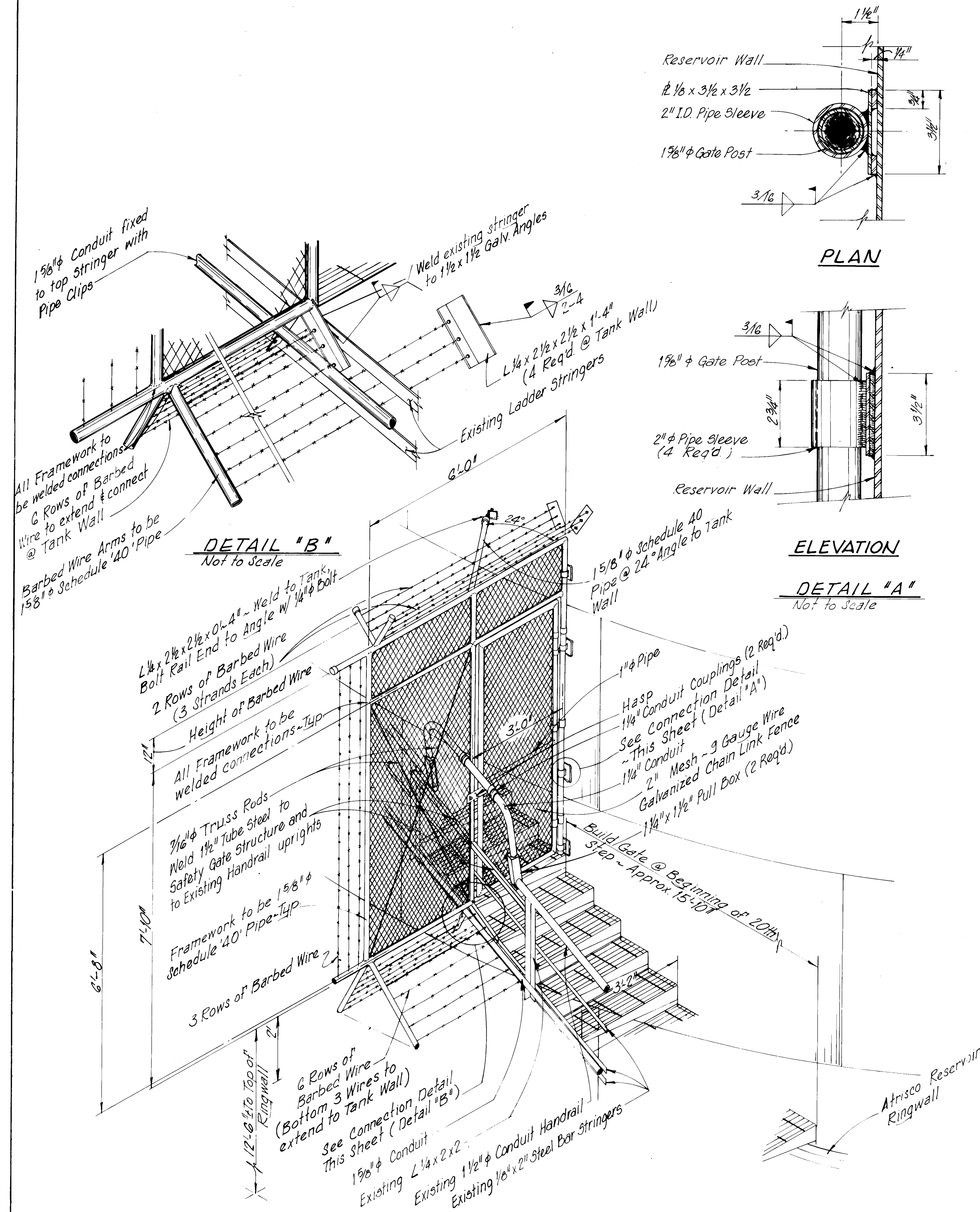
GORDON HERKENHOFF & ASSOCIATES, INC.
302 Eighth Street, N.W.
Albuquerque, New Mexico 87102
(505) 247-0294

AS BUILT INFORMATION
CONTRACTOR: *Leif Nowlin CONST.*
INSPECTOR: *Doug May*
ACCEPTANCE DATE FOR BENEFICIAL OCCUPANCY: *March 18, 1983*
WORK STATED BY: *GHA*
FIELD VERIFICATION BY: *GHA*

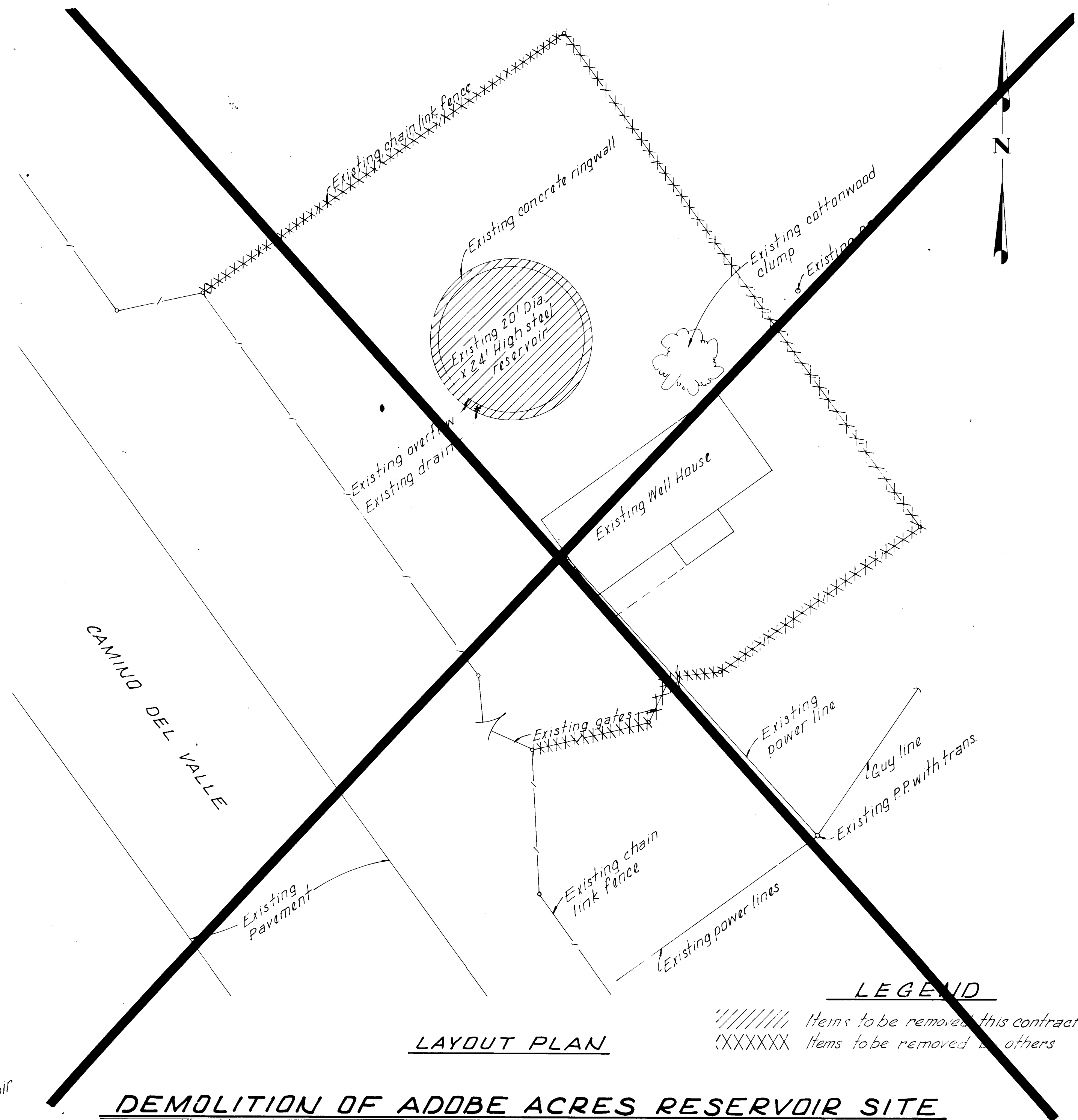
RECORD DRAWING
DATE: *AUG 17 1983*
These drawings have been revised based on field data and construction as actually performed.

JOB NO. 1687-11

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: LOCATION MAP, INDEX AND COVER SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO.			SHEET 1 OF 23		



SAFETY GATE STRUCTURE SCHEMATIC



DEMOLITION OF ADOBE ACRES RESERVOIR SITE

Scale: 1" = 10'

~~LEGEND~~

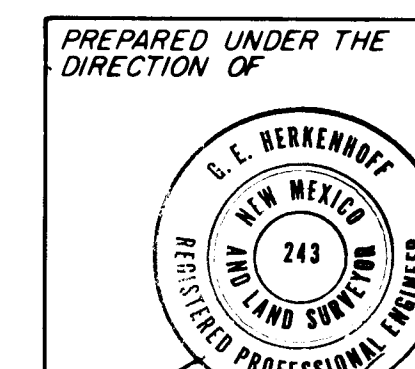
//////// Items to be removed this contract
 (XXXXXX) Items to be removed by others

LAYOUT PLAN

· RECORD DRAWING

Date **AUG 17 1983**

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction actually performed.



APPROVED FOR
CONSTRUCTION

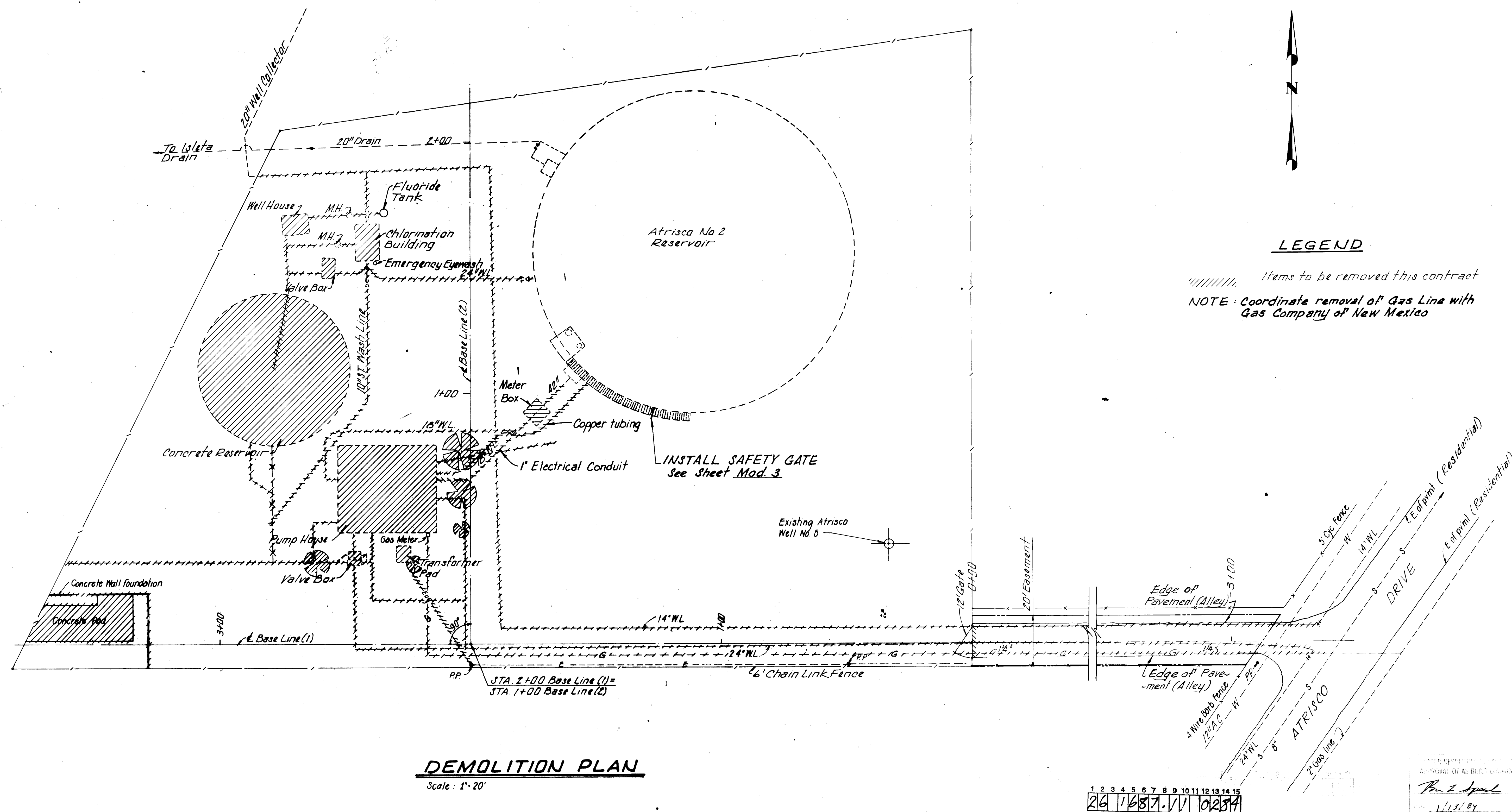
CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: SAFETY GATE AT ATRISCO RESERVOIR
AND
DEMOLITION OF ADOBE ACRES RESERVOIR SITE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

DRAWING NO.	SHEET MOD.3 OF MOD.3
-------------	----------------------



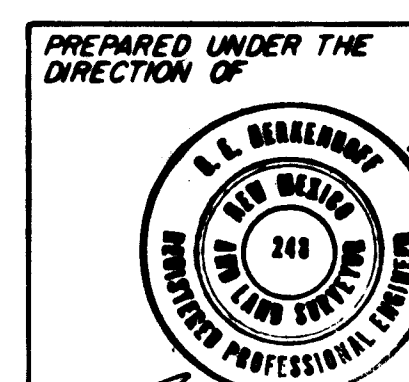
DEMOLITION PLAN

Scale: 1" = 20'

RECORD DRAWING

RECORD DRAWN
AUG 17 1983

These drawings have been revised based on field data and a very reasonable attempt has been made to depict construction as actually performed.



**APPROVED FOR
CONSTRUCTION**

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE:	ATRISCO PUMP STATION DEMOLITION PLAN
--------	---

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

DRAWING NO.	SHEET 2 OF 23
-------------	---------------

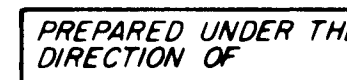


— — — Items to be built under Atrisco No.5
Well Equipment Contract

Scale: 1" = 20'

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6		.	6	8	7	.	!	!		0	3	8	4

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

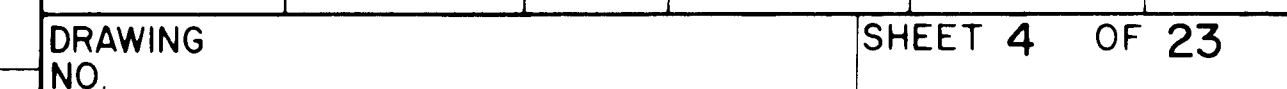


APPROVED FOR
CONSTRUCTION

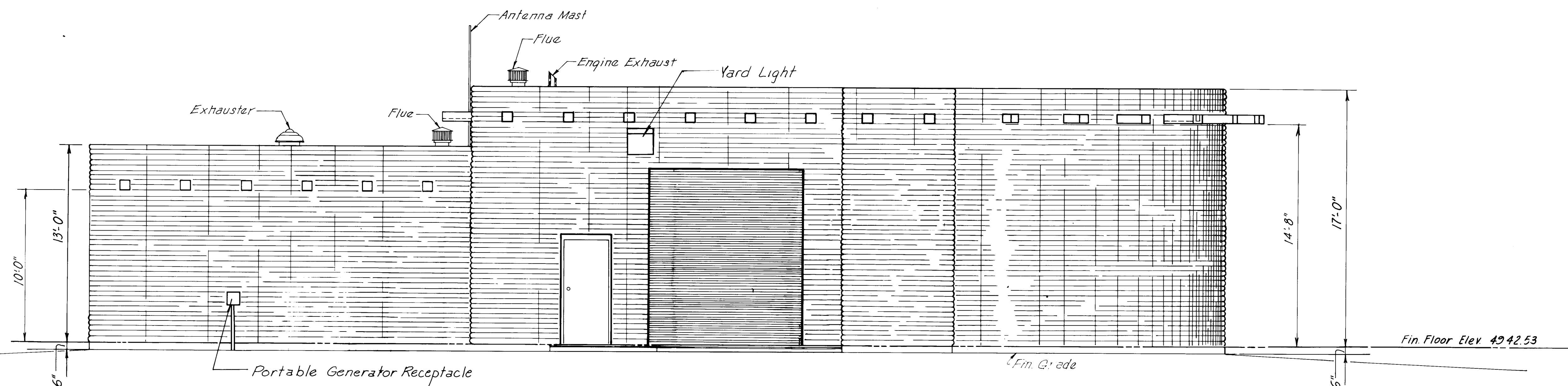
TITLE:	ATRISCO PUMP STATION LAYOUT PLAN
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DRAWING NO.	SHEET 3 OF 23
-------------	---------------

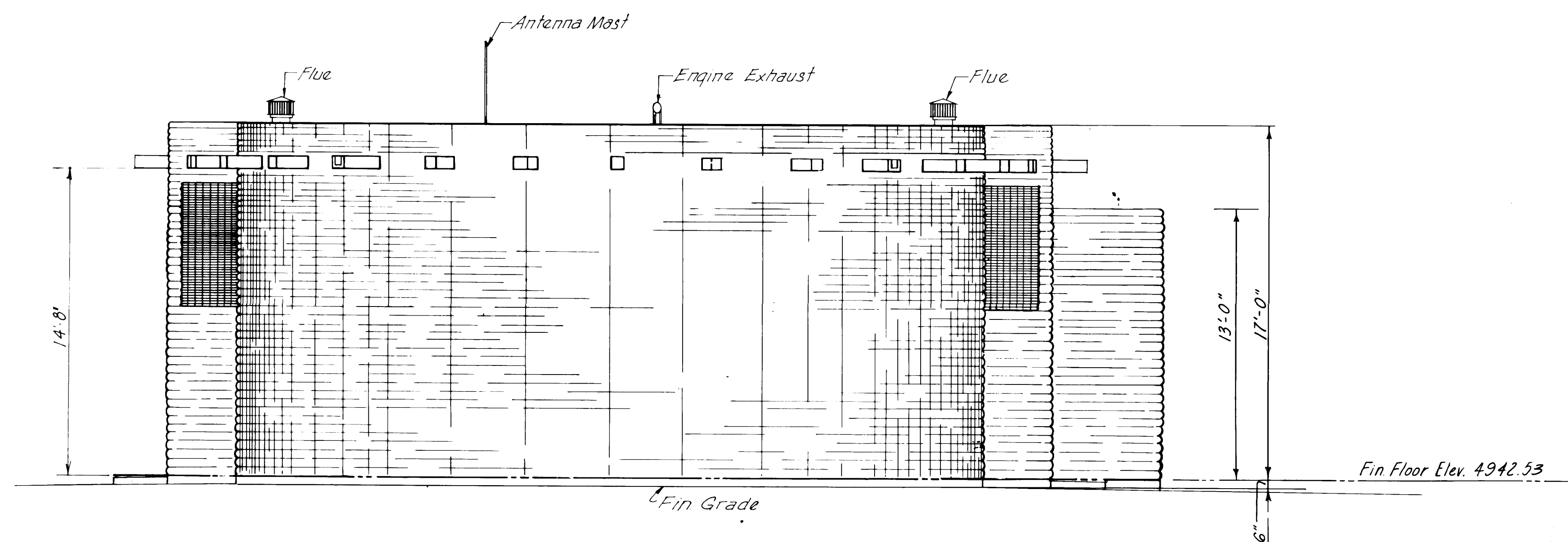
SHEET 3 OF 23



SHEET 4 OF 23		
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EAST ELEVATION
Not to Scale



NORTH ELEVATION
Not to Scale

RECORD DRAWING
Date **AUG 17 1983**

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

PREPARED UNDER THE
DIRECTION OF



APPROVED FOR
CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

ATRISCO PUMP STATION
BUILDING ELEVATIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. -Hydrology			Water		

DRAWING NO.	SHEET 5 OF 23
-------------	---------------

				REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
				MAP NO.	FIELD NOTES							
				EST. NO.	W.O. NO.	NO.	BY	DATE				
NO.	DATE	REMARKS	BY									
REVISIONS												
DESIGN												
DESIGNED BY W.W.W.				DATE NOV 1980								
DRAWN BY E.L.K.				DATE NOV 1980								
CHECKED BY				DATE								



These drawings have been prepared based on field data and every reasonable attempt has been made to depict construction as actually performed.



CITY ENGINEER

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		

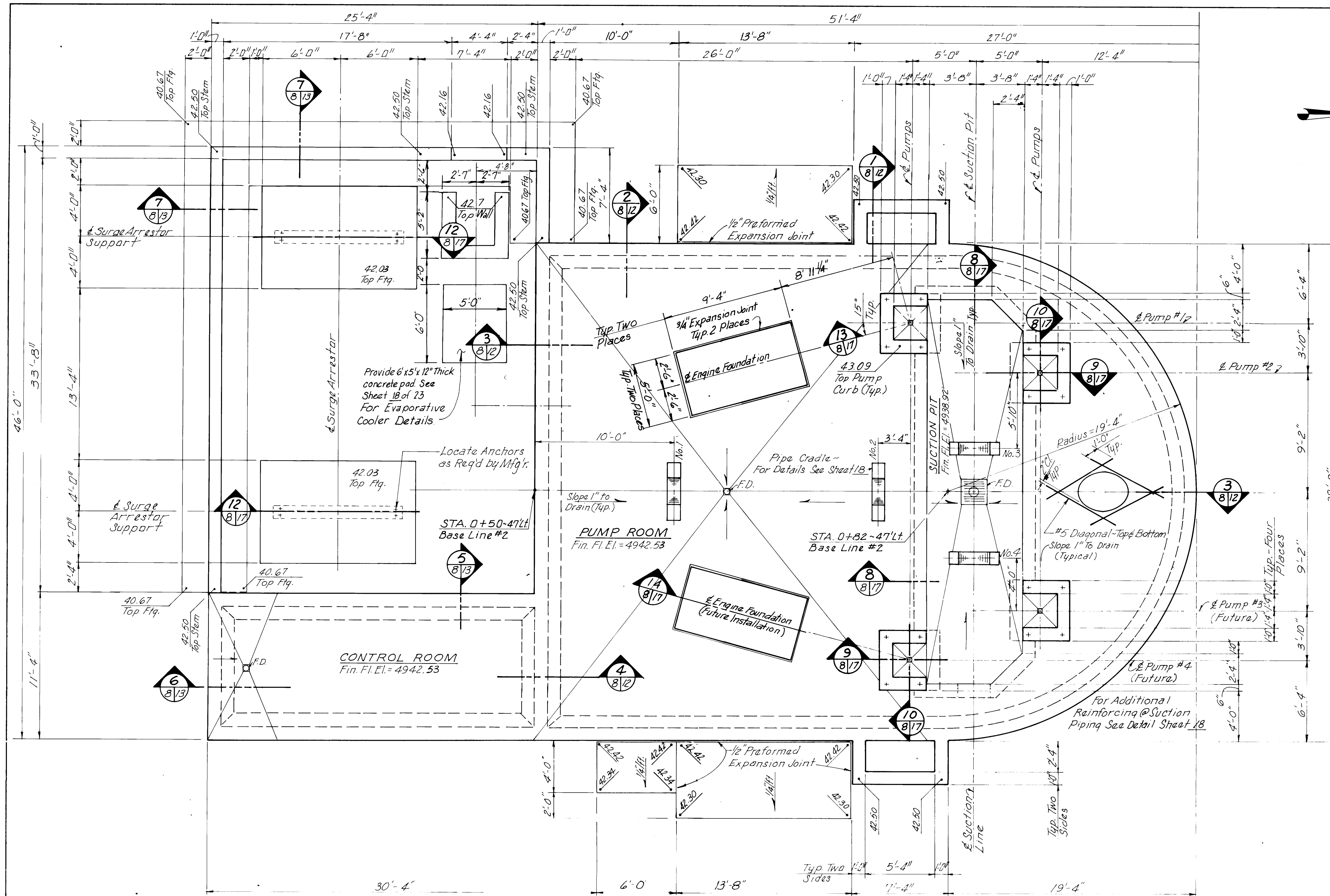
DRAWING NO.	SHEET 6 OF 23
-------------	---------------

		REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		MAP NO.		FIELD NOTES					
		EST. NO.	W.O. NO.	NO.	BY	DATE			
NO.	DATE	REMARKS		BY					
REVISIONS									
DESIGN									
DESIGNED BY WWW.				DATE NOV 1980					
DRAWN BY E.L.K.				DATE NOV 1980					
CHECKED BY				DATE					
						DATE <i>11/13/84</i> BY <i>[Signature]</i>			
						CONTRACTOR			
						STARTED BY		DATE	
						FINISHED BY		DATE	
						FIELD INSPECTION BY		DATE	
						VERIFICATION BY		DATE	
						CORRECTED BY		DATE	
						MICRO-FILM INFORMATION			
						RECORDED BY		DATE	
						NO			



LONGITUDINAL SECTION

[illegible]

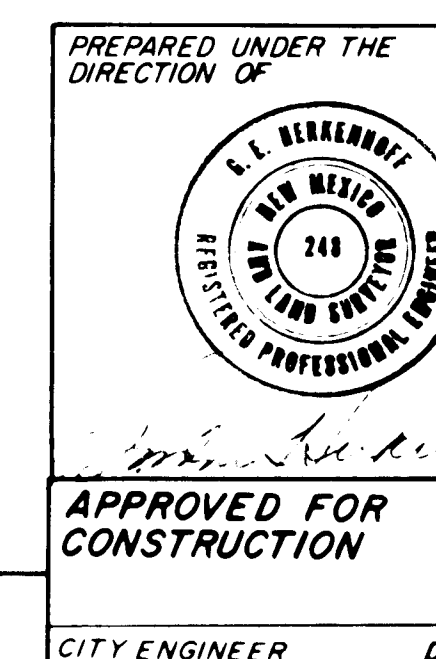


FOUNDATION PLAN
Scale: $\frac{1}{4}" = 1'-0"$

RECORD DRAWING
Date **AUG 7 1983**

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

PROJECT NO. 1687.11

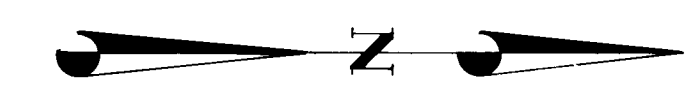


	CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION
TITLE:	ATRISCO PUMP STATION FOUNDATION PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

DRAWING NO	SHEET 8 OF 23
------------	---------------

[illegible]



BENCH MARKS		AS BUILT INFORMATION	
CONTRACTOR			
WORKED BY		DATE	
INSPECTOR'S		DATE	
ACCEPTANCE BY		DATE	
VERIFICATION BY		DATE	
DRAWINGS BY		DATE	
MICRO-FILM INFORMATION			
RECORDED BY		DATE	
NO			

[illegible][illegible]

REVISIONS		BY
DESIGN		
DATE	NOV 1980	
DATE	NOV 1980	
DATE		

[illegible]

ERQUE		
EPARTMENT		
VISION		
STATION		
NG PLAN		
ROVALS	ENGINEER	DATE
Waste		
SHEET 9 OF 23		

NOTE:
Pressure Vessels Installed
Pump 1 5'-9" x 2'-6" Dia.
Pump 2 5'-4" x 2'-6" Dia.

2	6	1	6	8	7	.	1	1	0	9	8	4
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Date AUG 1 1966

These drawings have been prepared based on field data and have not been subject to attempt has been made to depict construction, as actually performed.

PREPARED UNDER THE
DIRECTION OF



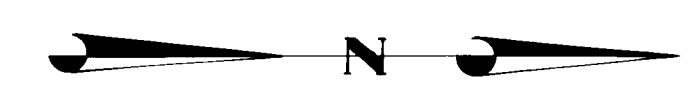
**APPROVED FOR
CONSTRUCTION**

CITY ENGINEER DATE

OFFICE OF RESOURCE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION	
TITLE:	ATRISCO PUMP STATION FLOOR AND PIPING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

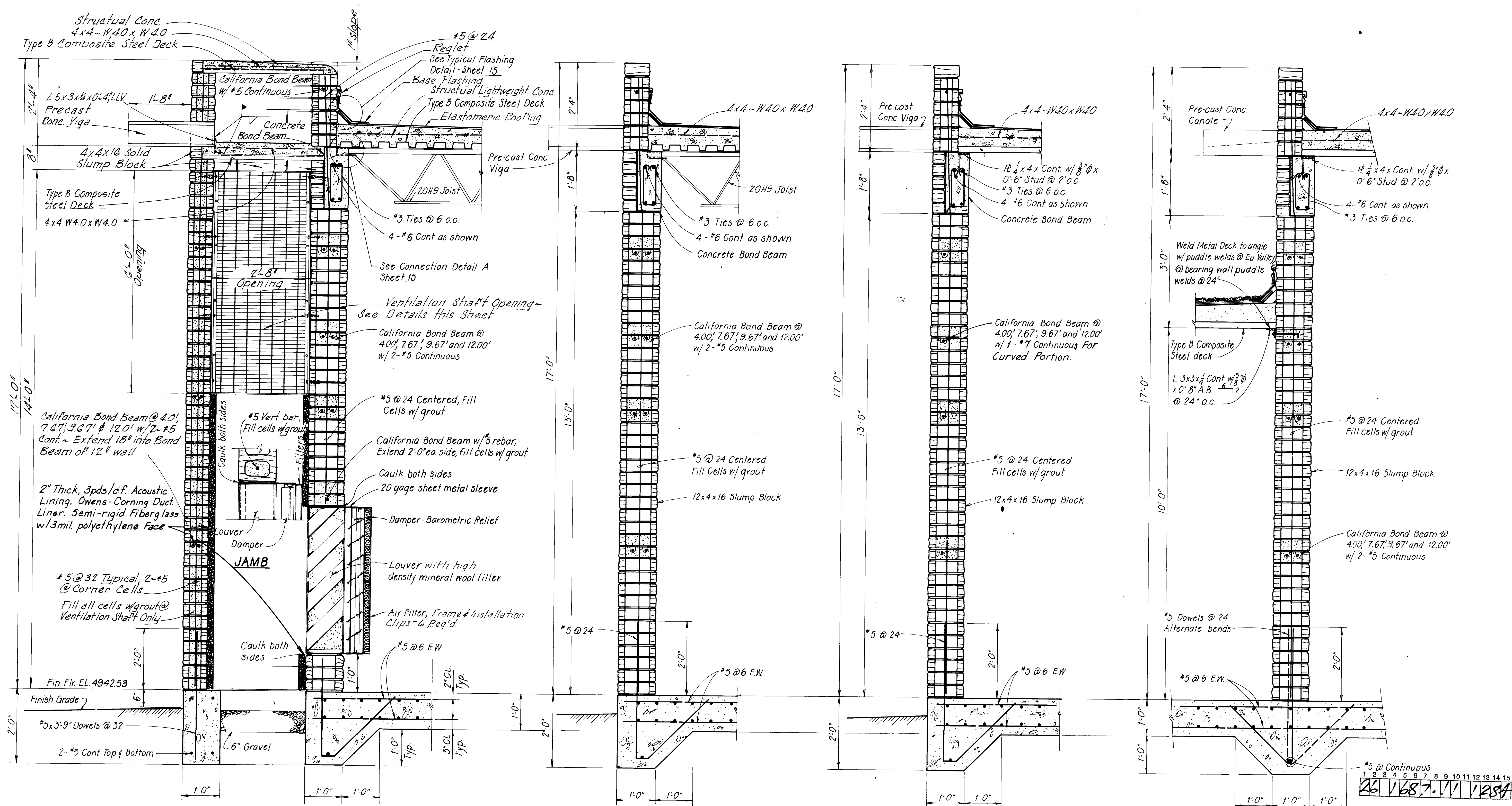
DRAWING NO.	SHEET 9 OF 23
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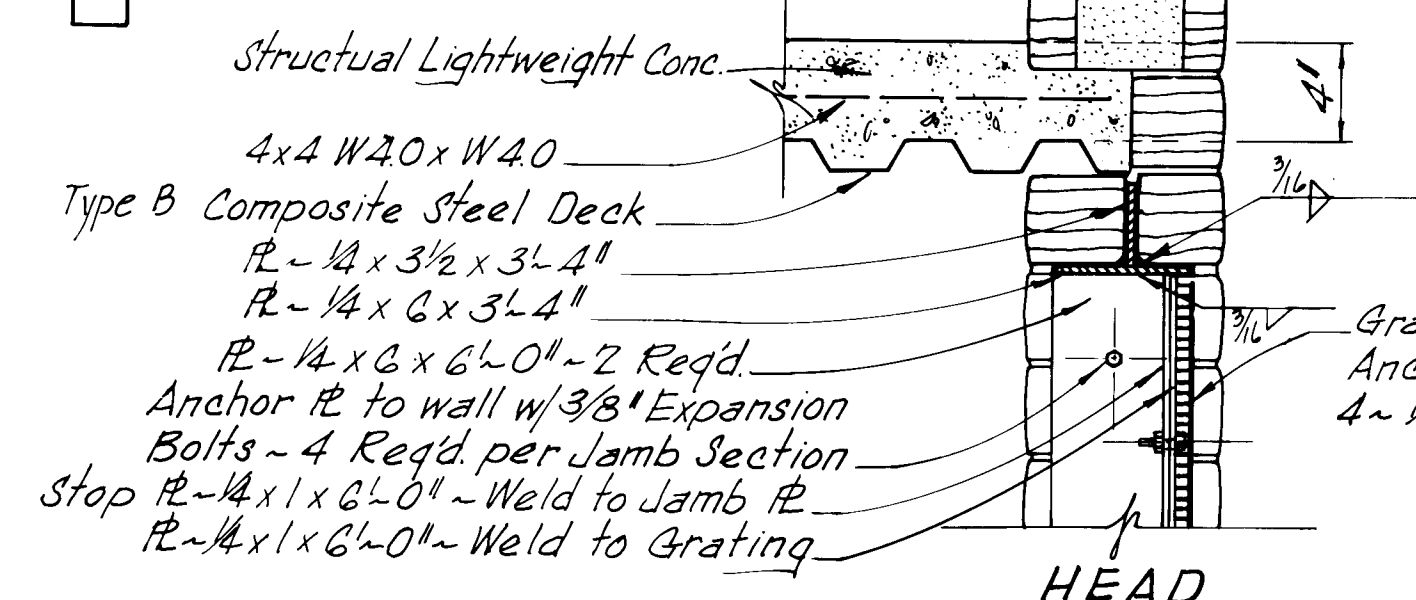
Scale: $\frac{1}{4}'' = 1'-0''$

DRAWING NO.	SHEET 10 OF 23
----------------	----------------

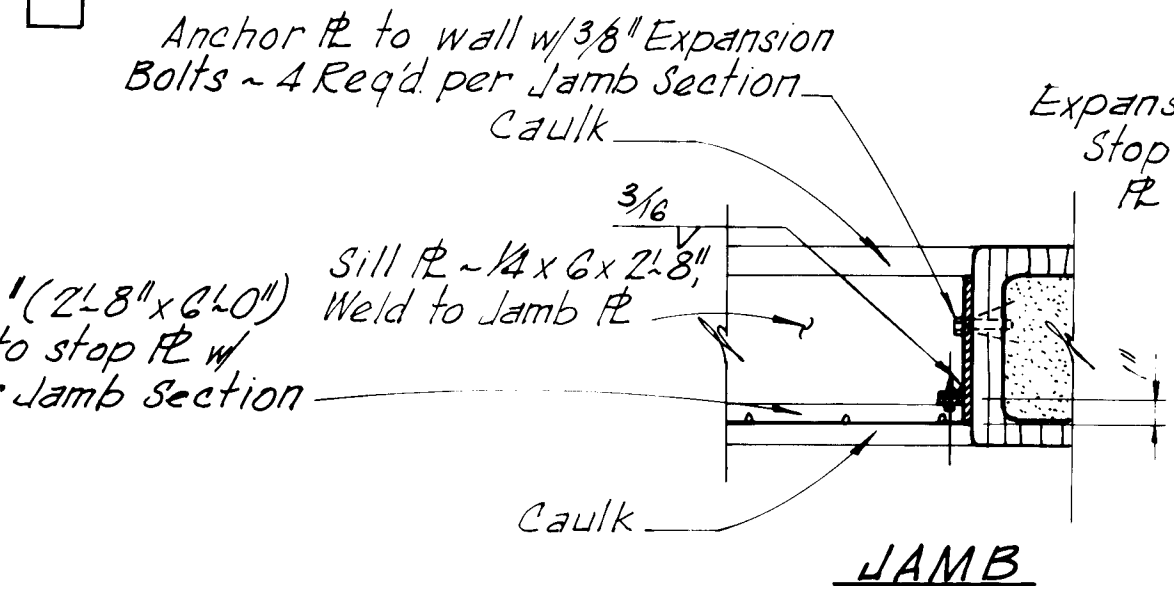
SHEET 10 OF 23		
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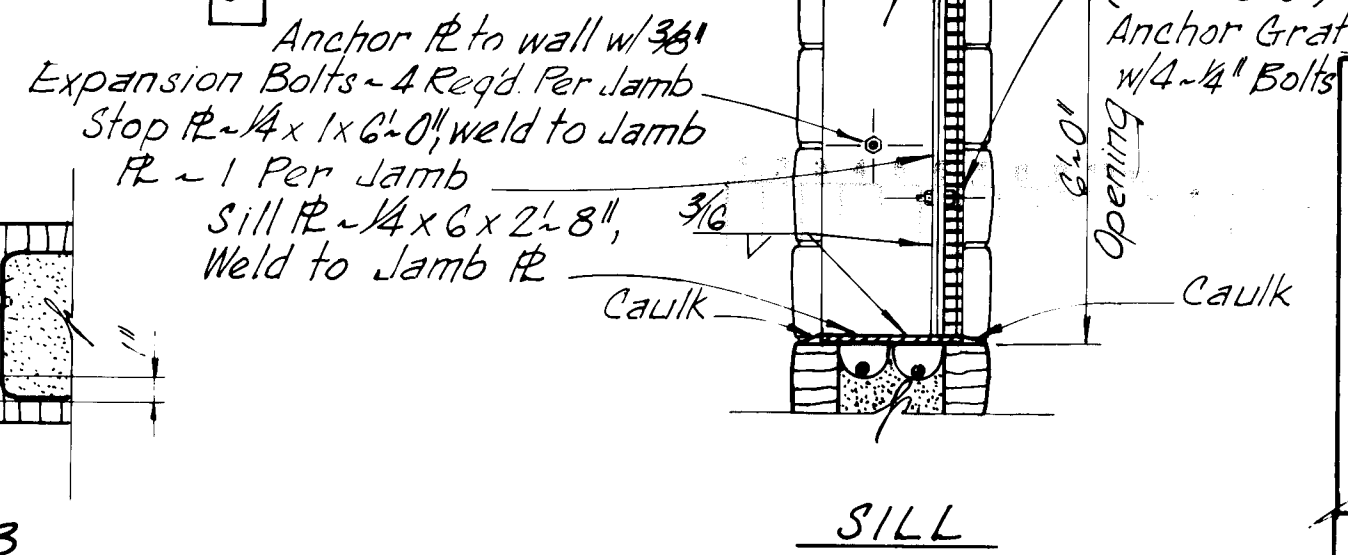
SECTION
Scale: $\frac{3}{4}" = 1'-0"$



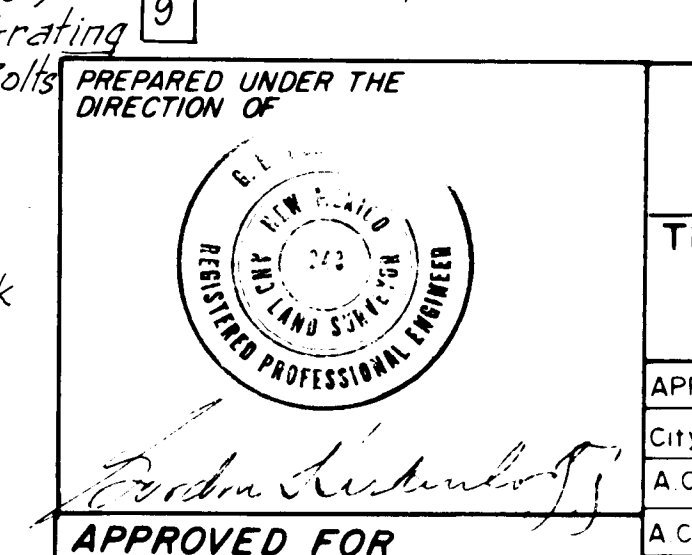
SECTION
Scale: $\frac{3}{4}" = 1'-0"$
Anchor $\varnothing$ to wall w/3x6



SECTION
Scale: $\frac{3}{4}" = 1' - 0"$
Anchor ϕ to wall w/ 341



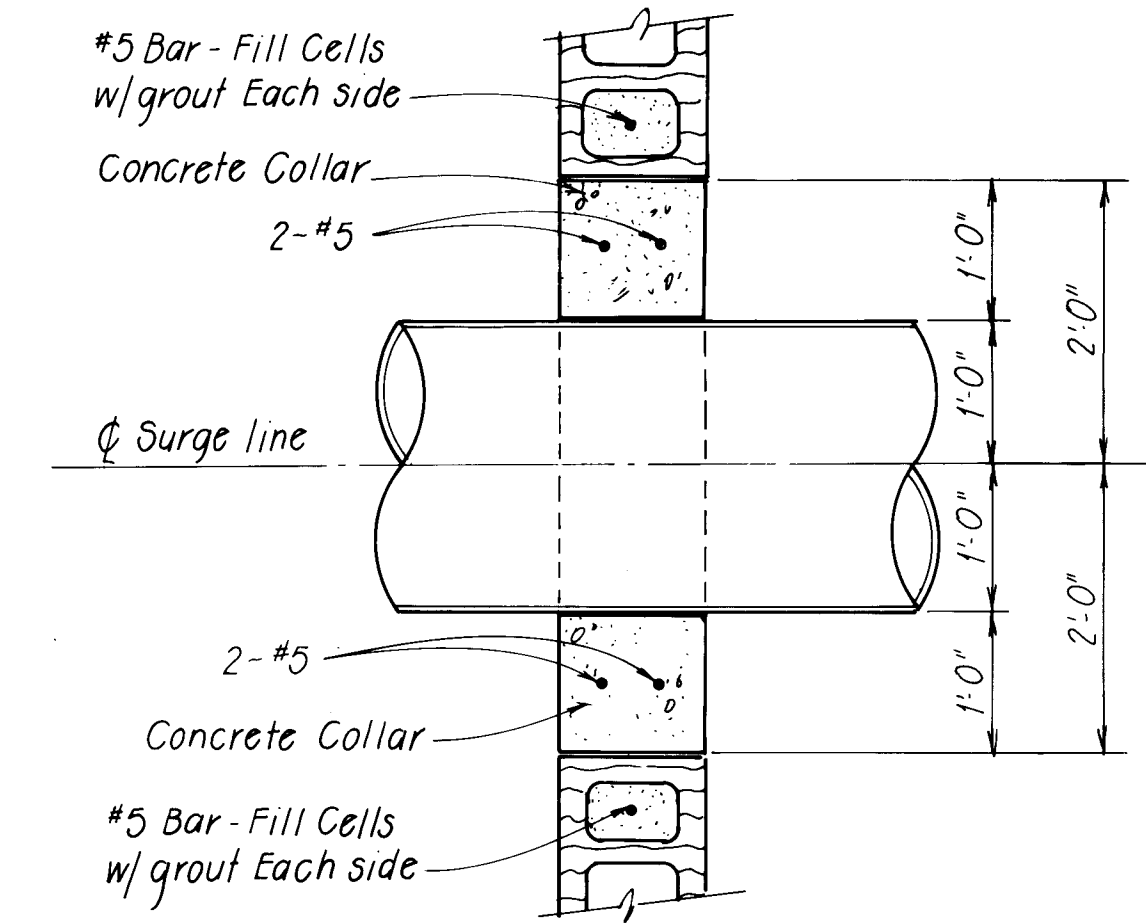
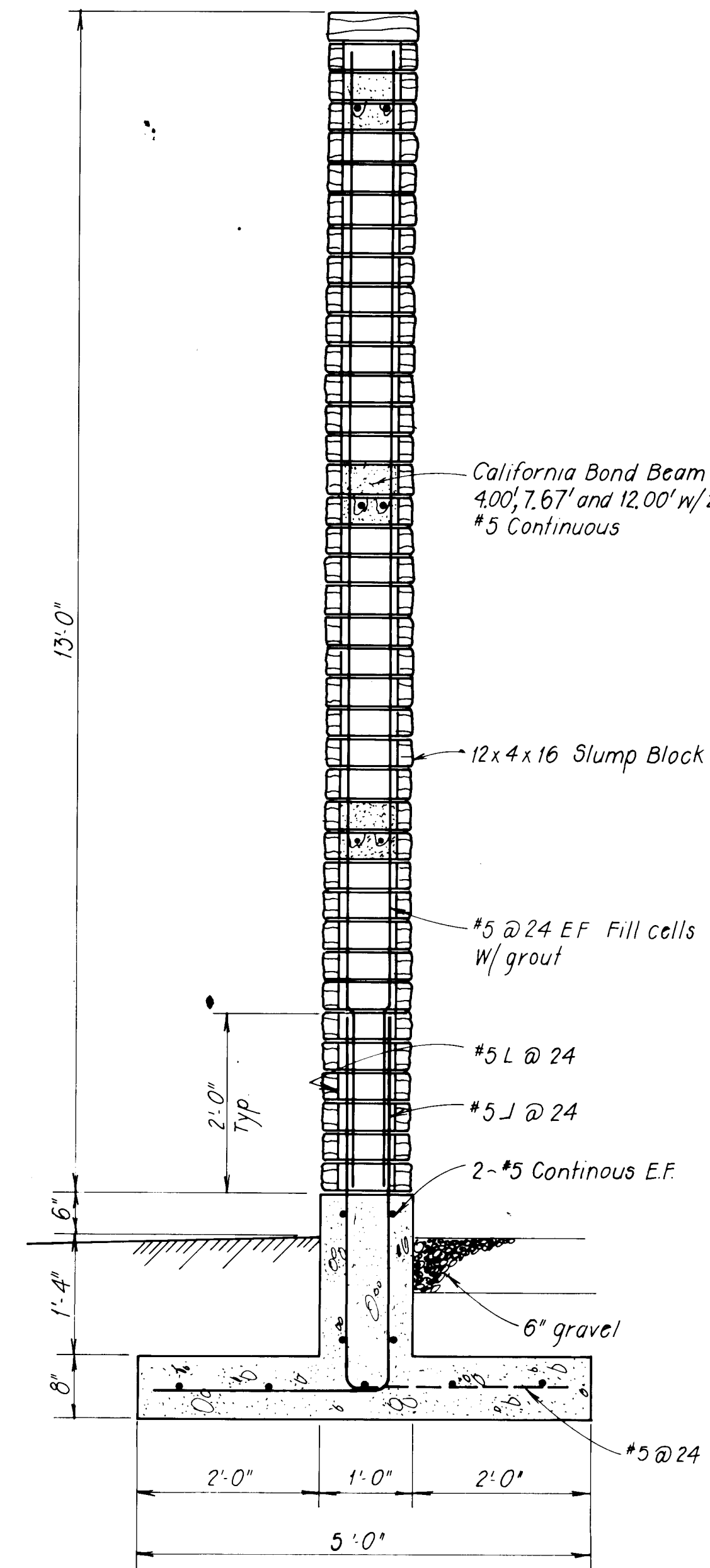
4 SECTION
8 12
9 Scale $\frac{3}{4}" = 1'-0"$



RECORD DRAWING
AUG - F 1983
Date _____

These drawings have been revised based on field data and a reasonable attempt has been made to depict construction as actually performed.

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: ATRISCO PUMP STATION WALL SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		
DRAWING NO.			SHEET 12 OF 23		



California Bond Beam 400' w/ 2-#5 Cont.

Concrete Collar

2-#5

#5 @ 24 Centered

8"

1'-0"

1'-8"

Surge line

1'-0"

2'-0"

1'-0"

2-#5

Concrete Collar

6" gravel

#5 @ 24- For Footing reinforcing- See Section

3
2 1/2

SURGE LINE CONC. COLLAR DETAIL

5
8 13
9

6

8
9

13

SECTION

Scale: $\frac{3}{4}" = 1'-0"$

7
8 13
9

SECTION

Scale $\frac{3}{4}'' = 1'-0''$

PREPARED UNDER THE
DIRECTION OF

REGISTERED PROFESSIONAL
APPLIED
243
NEW YORK
C. L. F. A. I. A.

CITY ENGINEER DATE

DRAWING NO.	SHEET 13 OF 23
----------------	----------------

AS BUILT INFORMATION	
CONTRACTOR	
WORK STARTED BY	DATE
INSPECTOR'S FIELD INSPECTION BY	DATE
VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

BENCH MARKS

SURVEY INFORMATION

MAP NO.

--	--

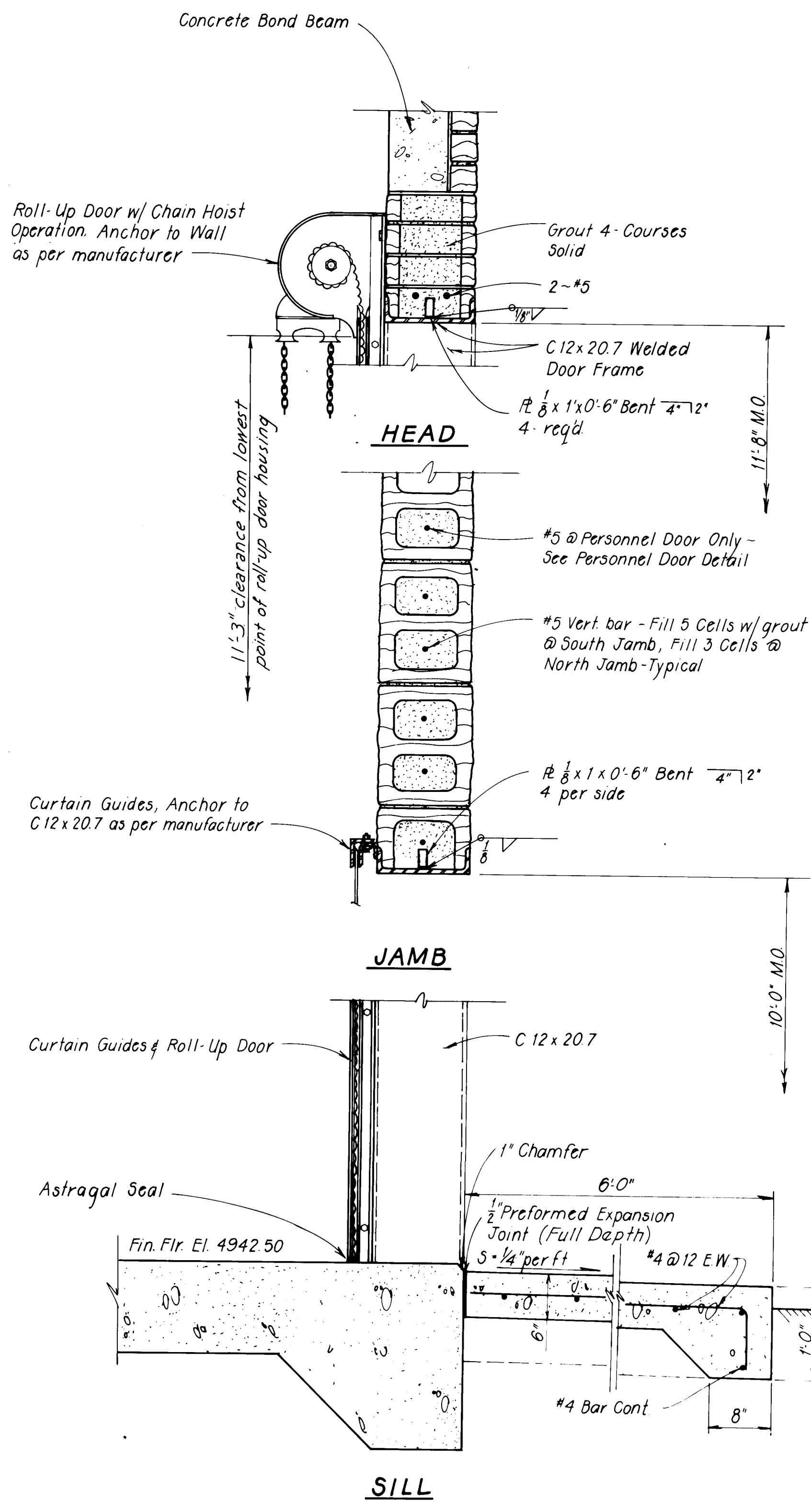
[illegible]

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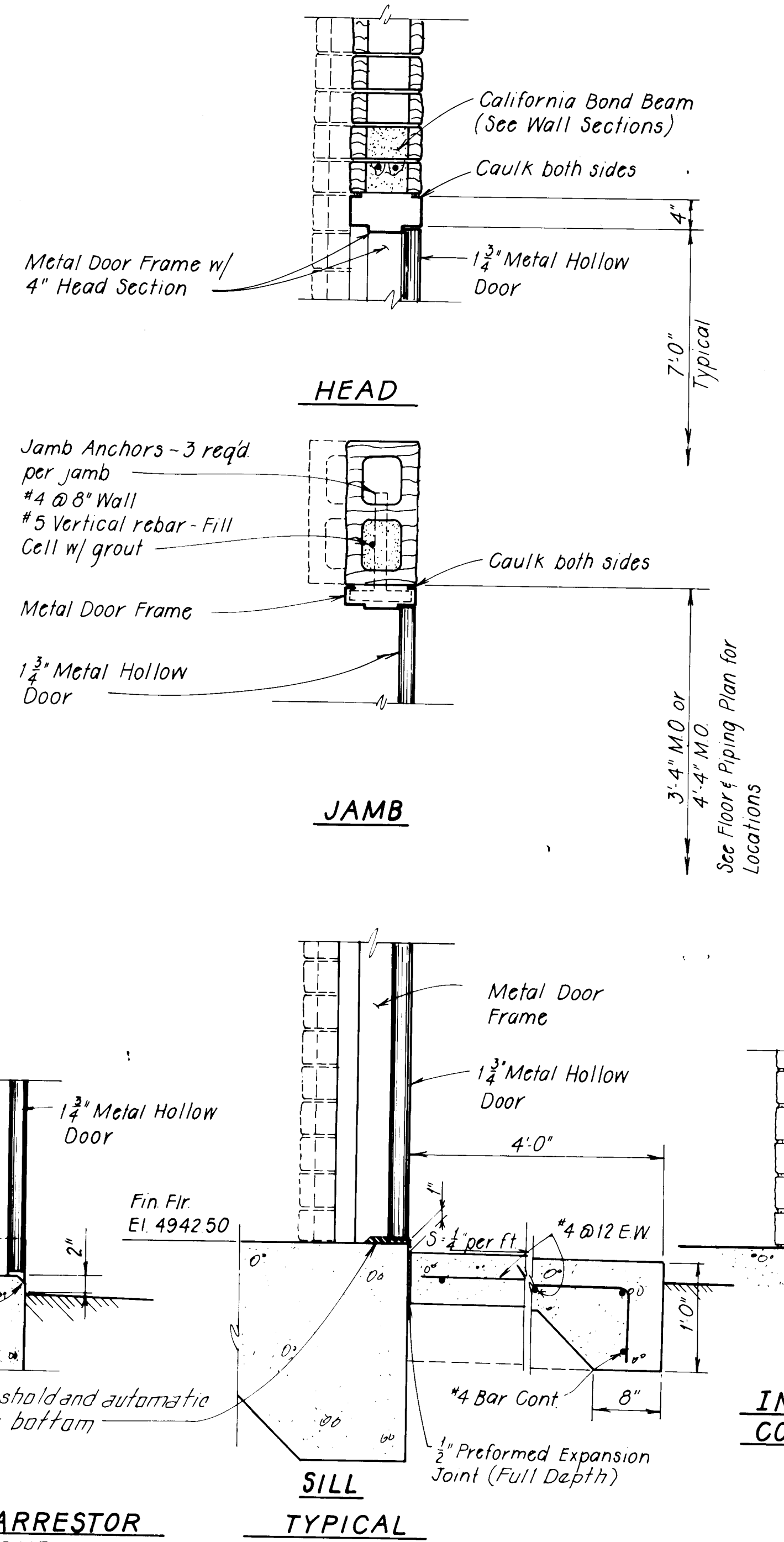
SH

1

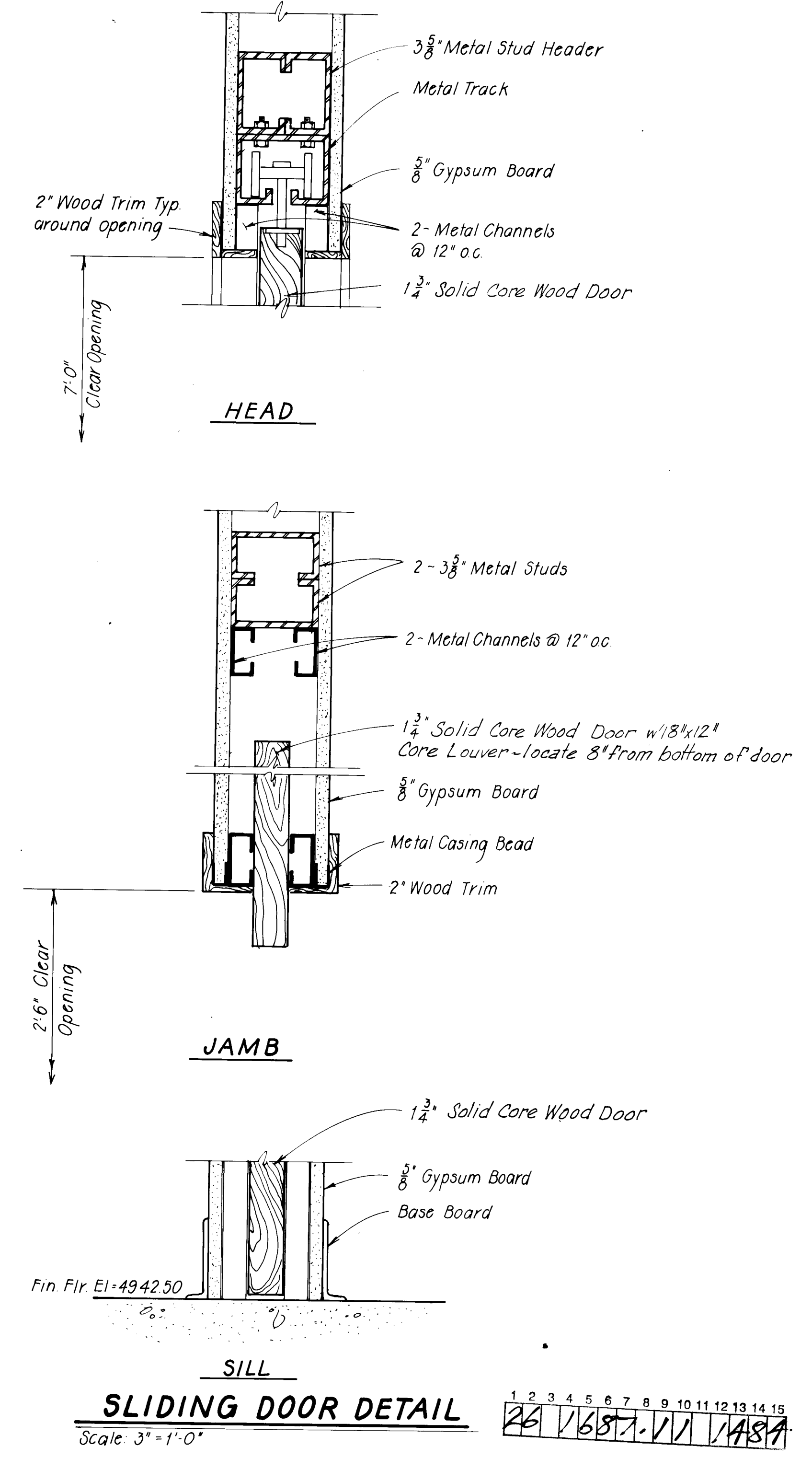
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
CONTRACTOR	NO.	DATE	NO.	BY	DATE	MAP NO.	EST. NO.	NO.	DATE
WORK STARTED BY		DATE							
FIELD ACCEPTANCE BY		DATE							
FIELD LOCATION BY		DATE							
DRAWINGS CORRECTED BY		DATE							
MICRO-FILM INFORMATION									
RECORDED BY		DATE							
NO.									



ROLL-UP DOOR DETAIL
Scale: 1" = 1'-0"



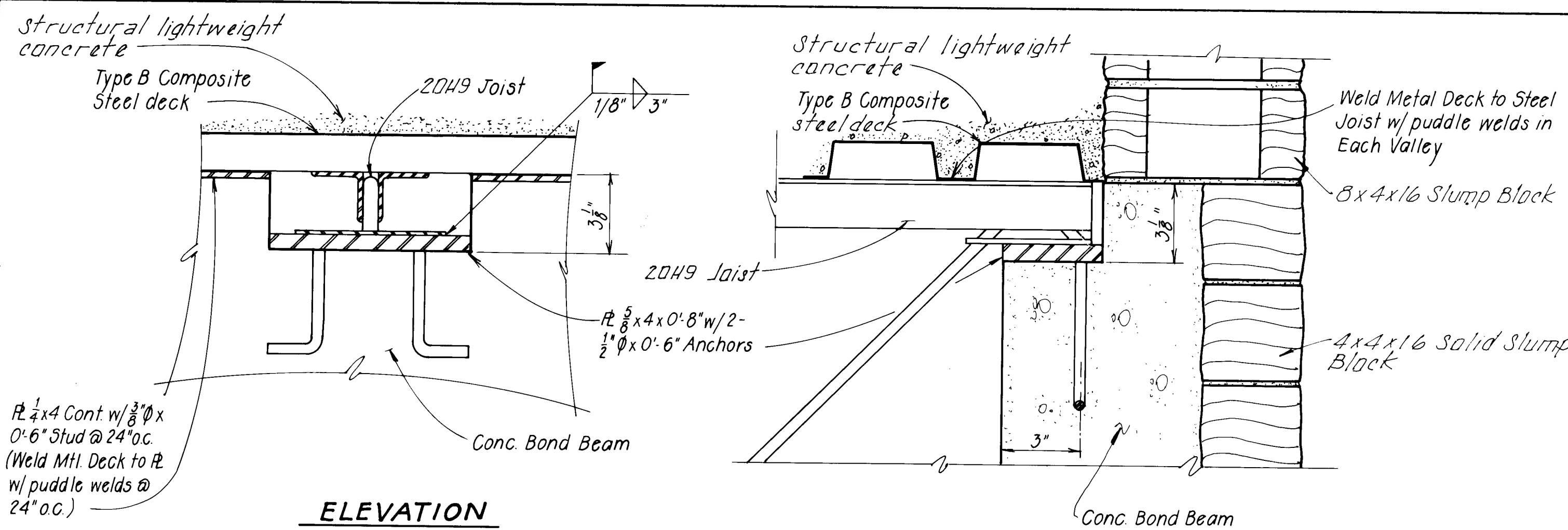
PERSONNEL DOOR DETAIL
Scale: 1" = 1'-0"



SLIDING DOOR DETAIL
Scale: 3" = 1'-0"

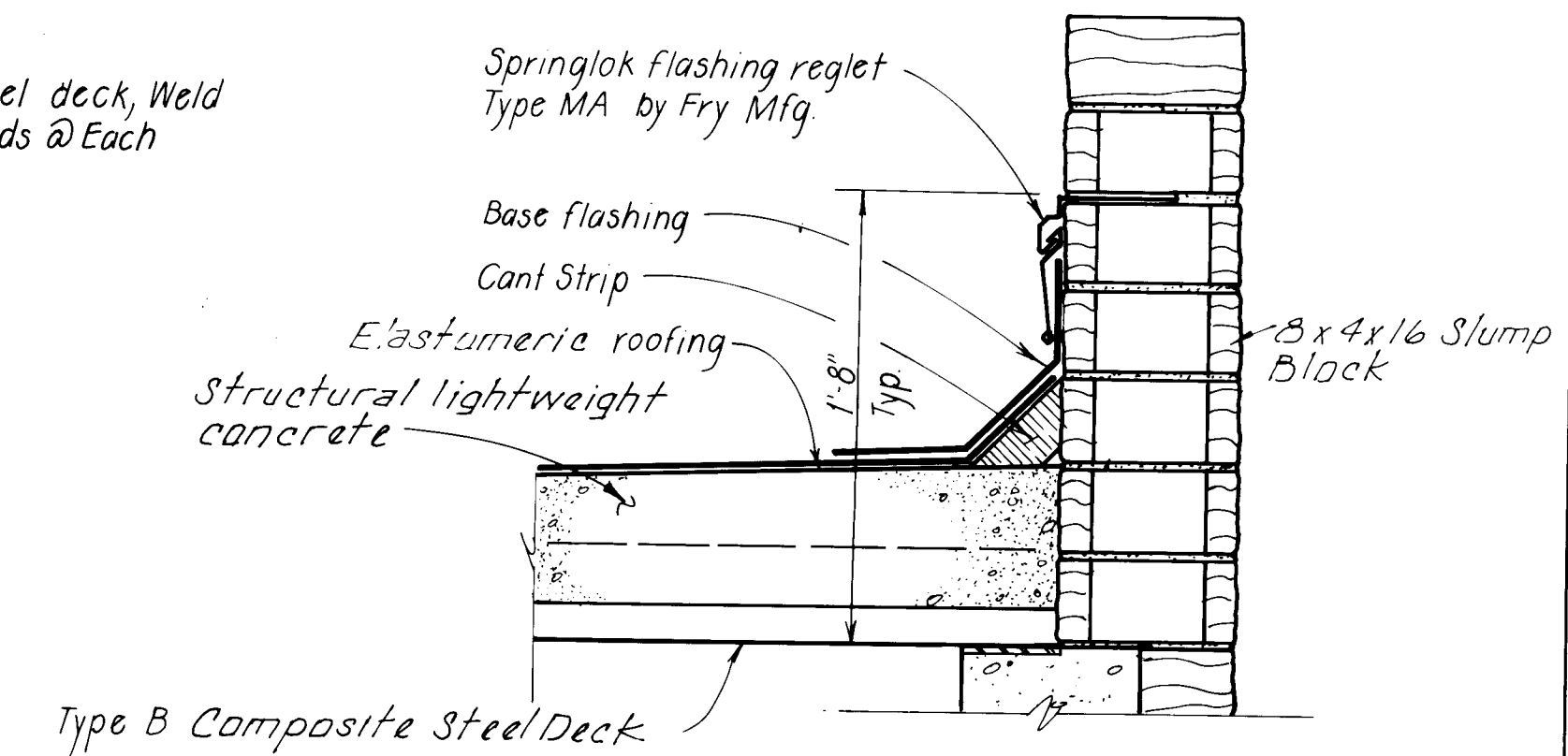
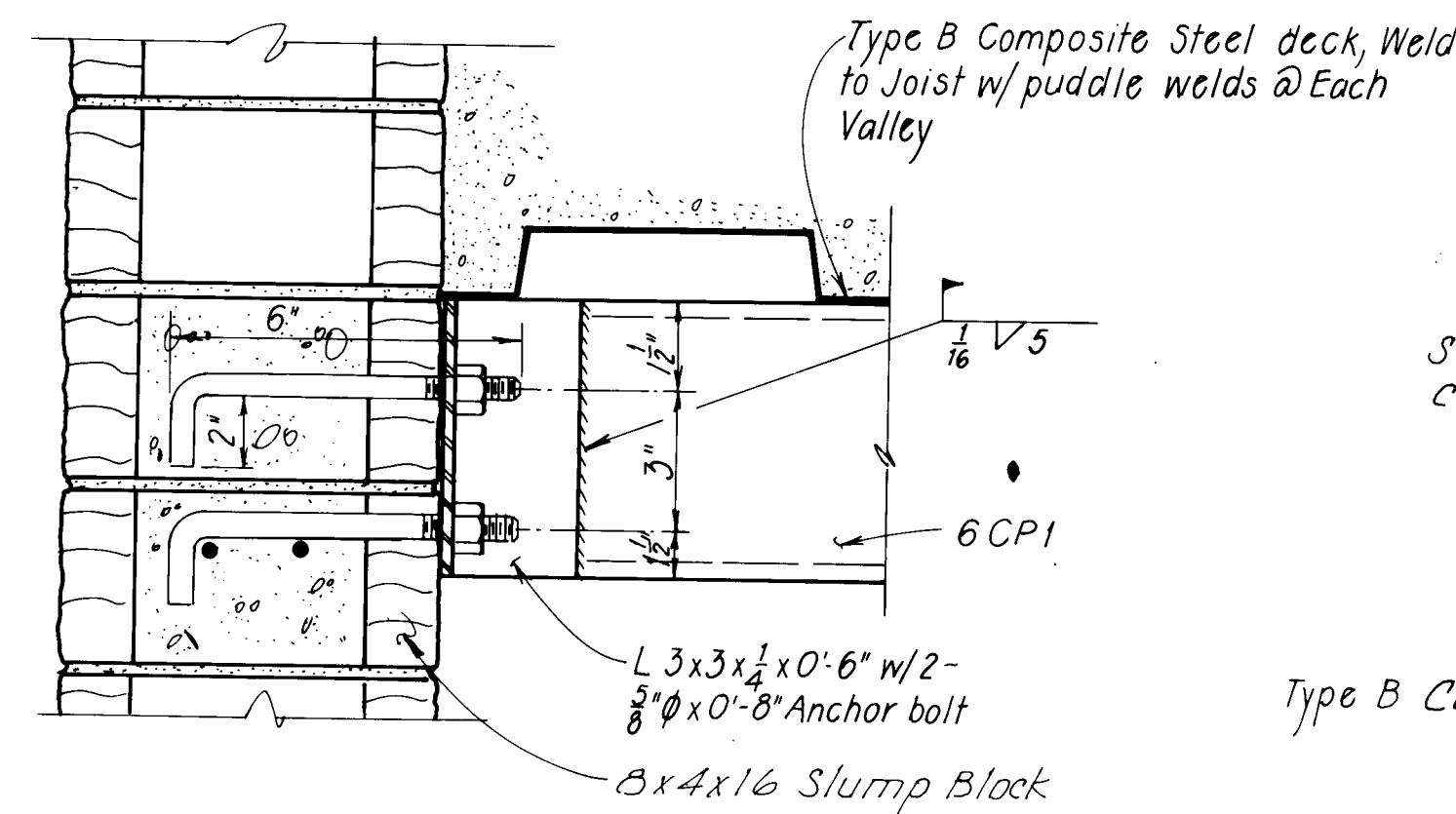
RECORD DRAWING
Date **AUG 17 1983**
These drawings have been prepared based on field data and every reasonable attempt has been made to depict construction actually performed.

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: ATRISCO PUMP STATION DOOR SECTIONS AND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO.			SHEET 14 OF 23		



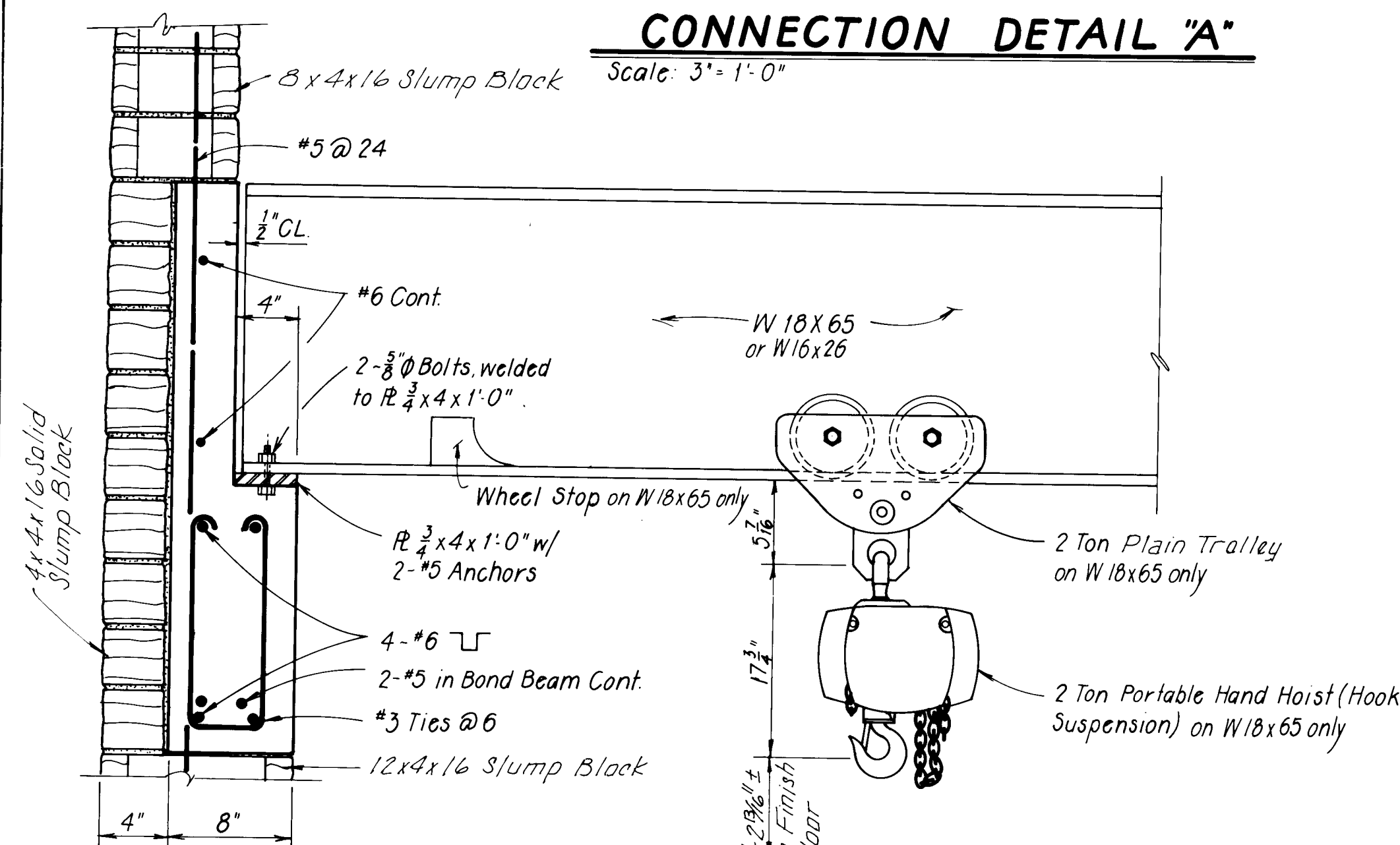
ELEVATION

SECTION



CONNECTION DETAIL "A"

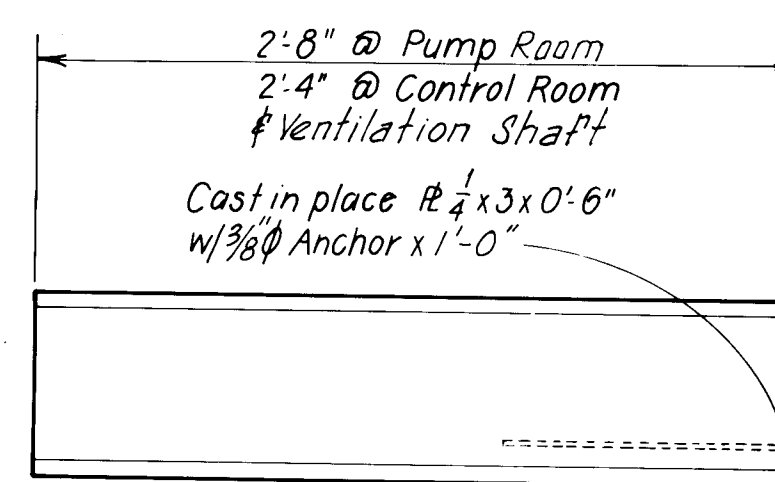
Scale: 3/4" = 1'-0"



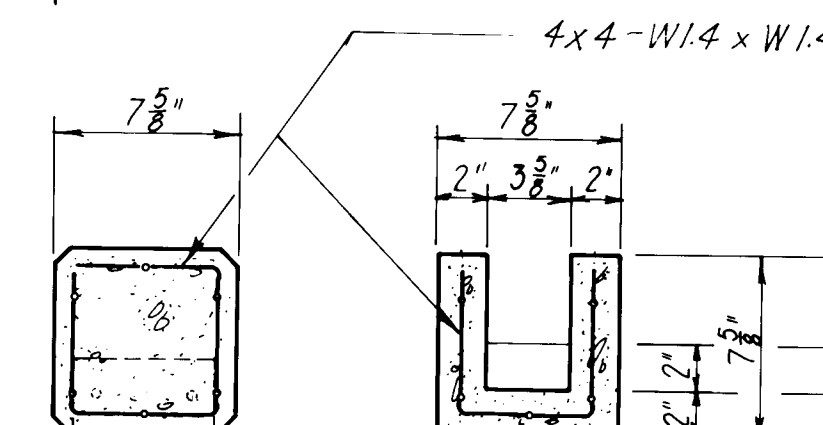
SECTION

CONNECTION DETAIL "C"

No Scale



ELEVATION



SECTION

SECTION

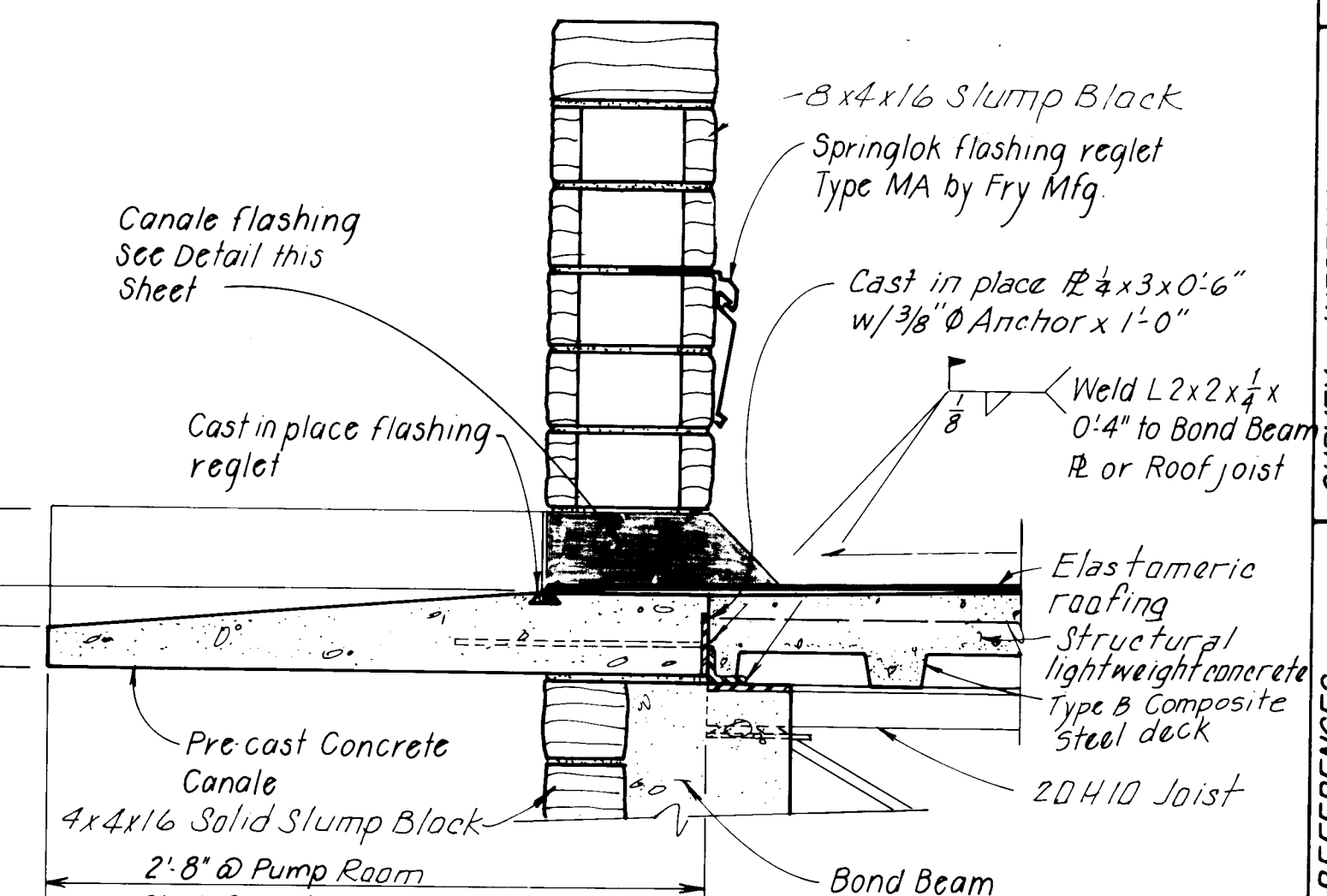
NOTE: Same Connection as Pre-cast Canale Detail this Sheet

PRE-CAST VIGAS DETAIL

Scale: 1/2" = 1'-0"

FLASHING DETAIL

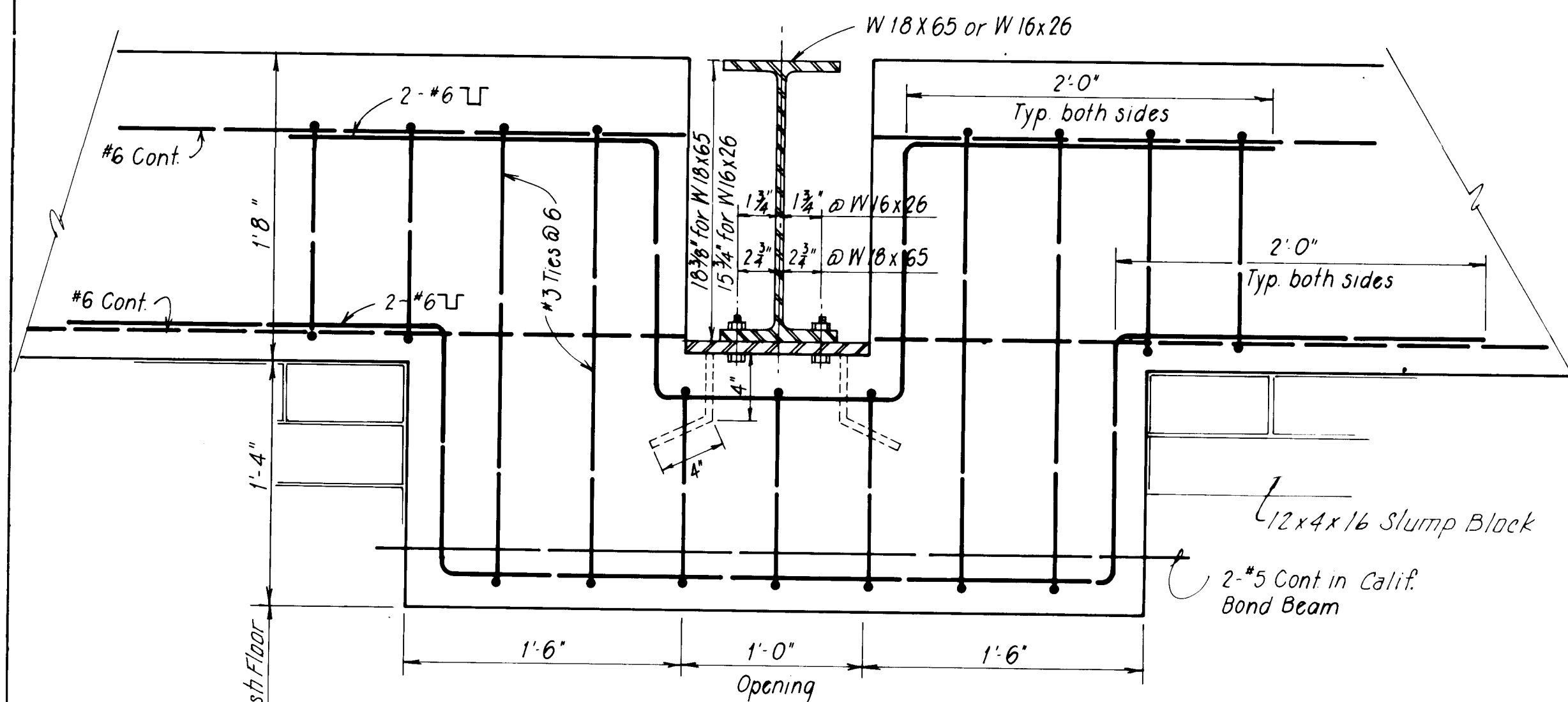
Scale: 1/2" = 1'-0"



ELEVATION-SECTION

PRE-CAST CANALE DETAIL

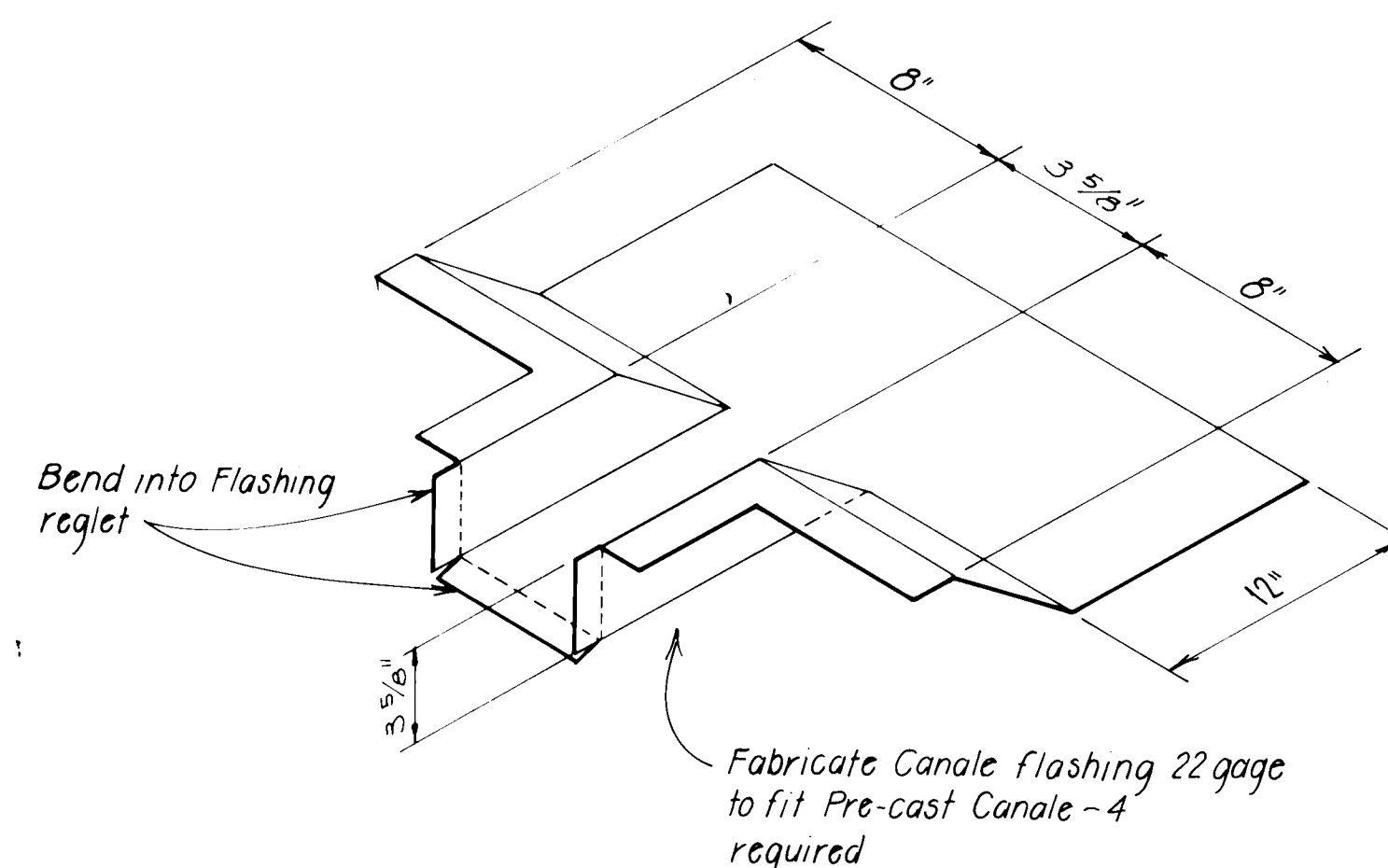
Scale: 1/2" = 1'-0"



SECTION THRU BOND BEAM

CONNECTION DETAIL "B"

Scale: 1/2" = 1'-0"



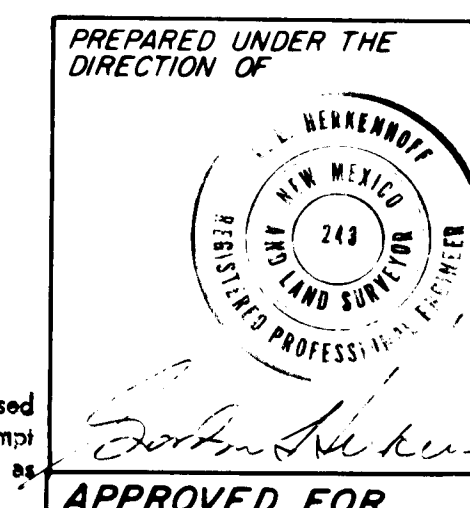
CANALE FLASHING

Not to Scale

RECORD DRAWING

Date: AUG 17 1983

These drawings have been revised based on field data and every reason for attempt has been made to depict construction as actually performed



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 1/687.11 1/584

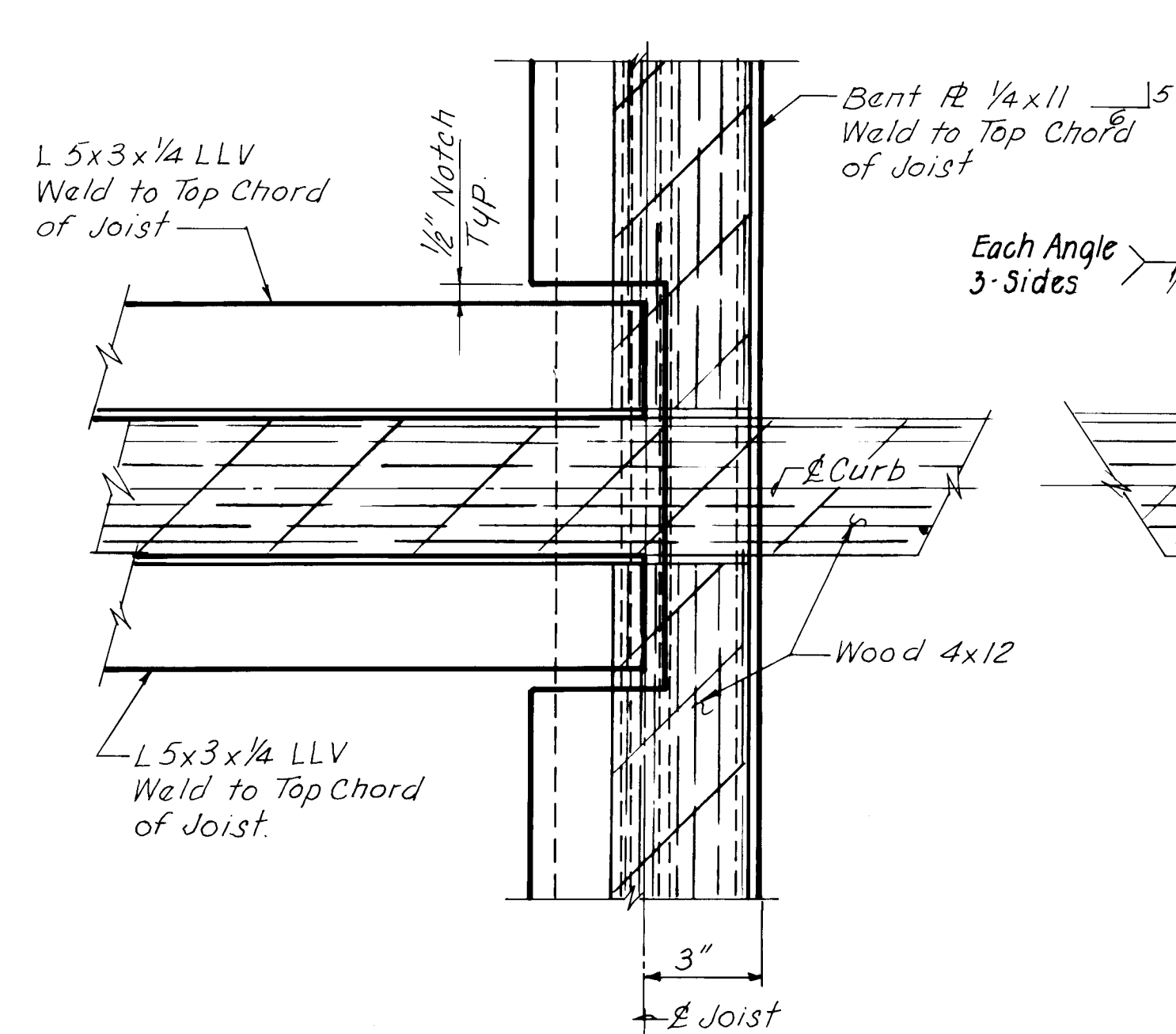
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: ATRISCO PUMP STATION
BEARING CONNECTION AND MISCELLANEOUS DETAILS

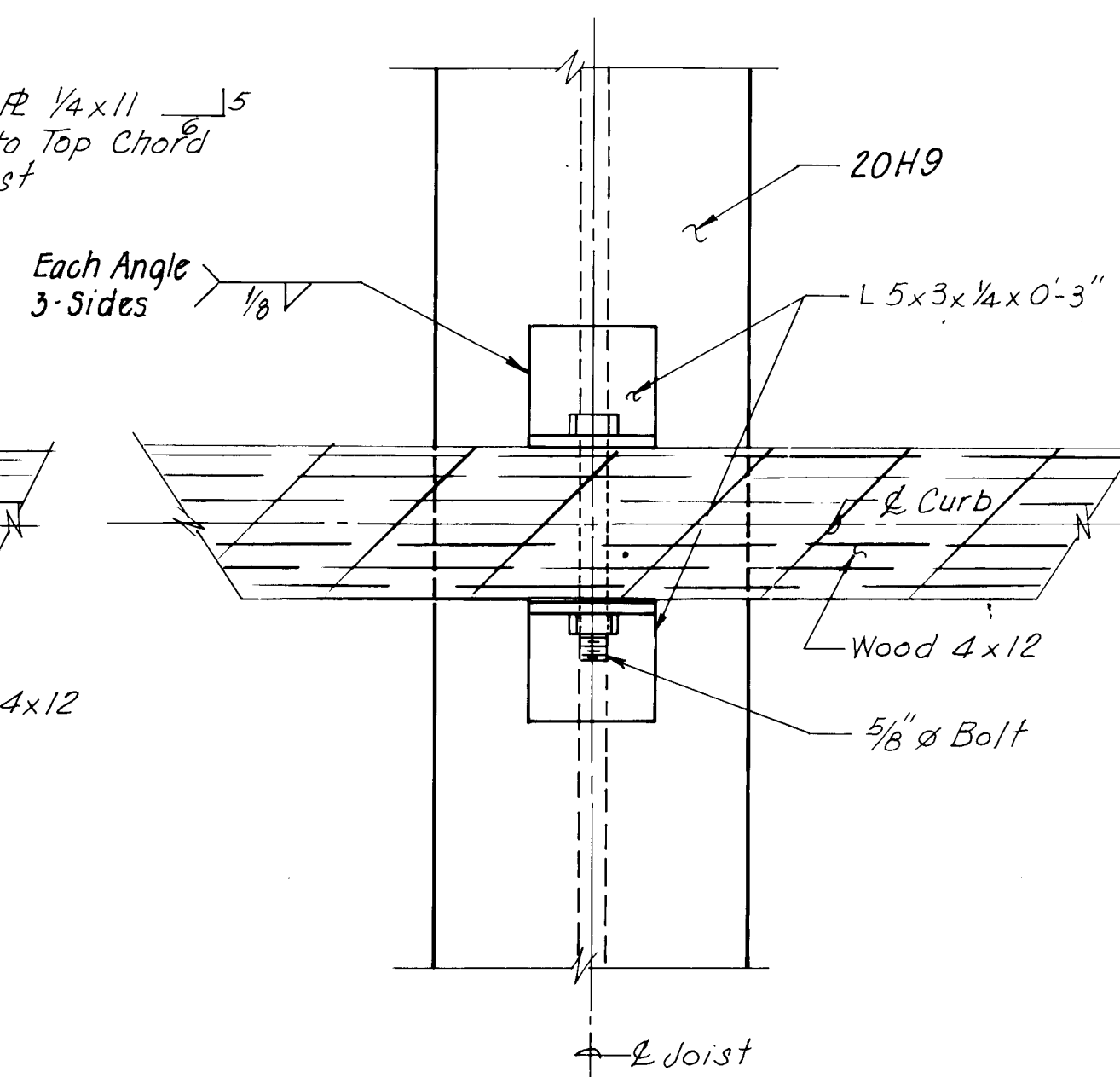
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

DRAWING NO. SHEET 15 OF 23

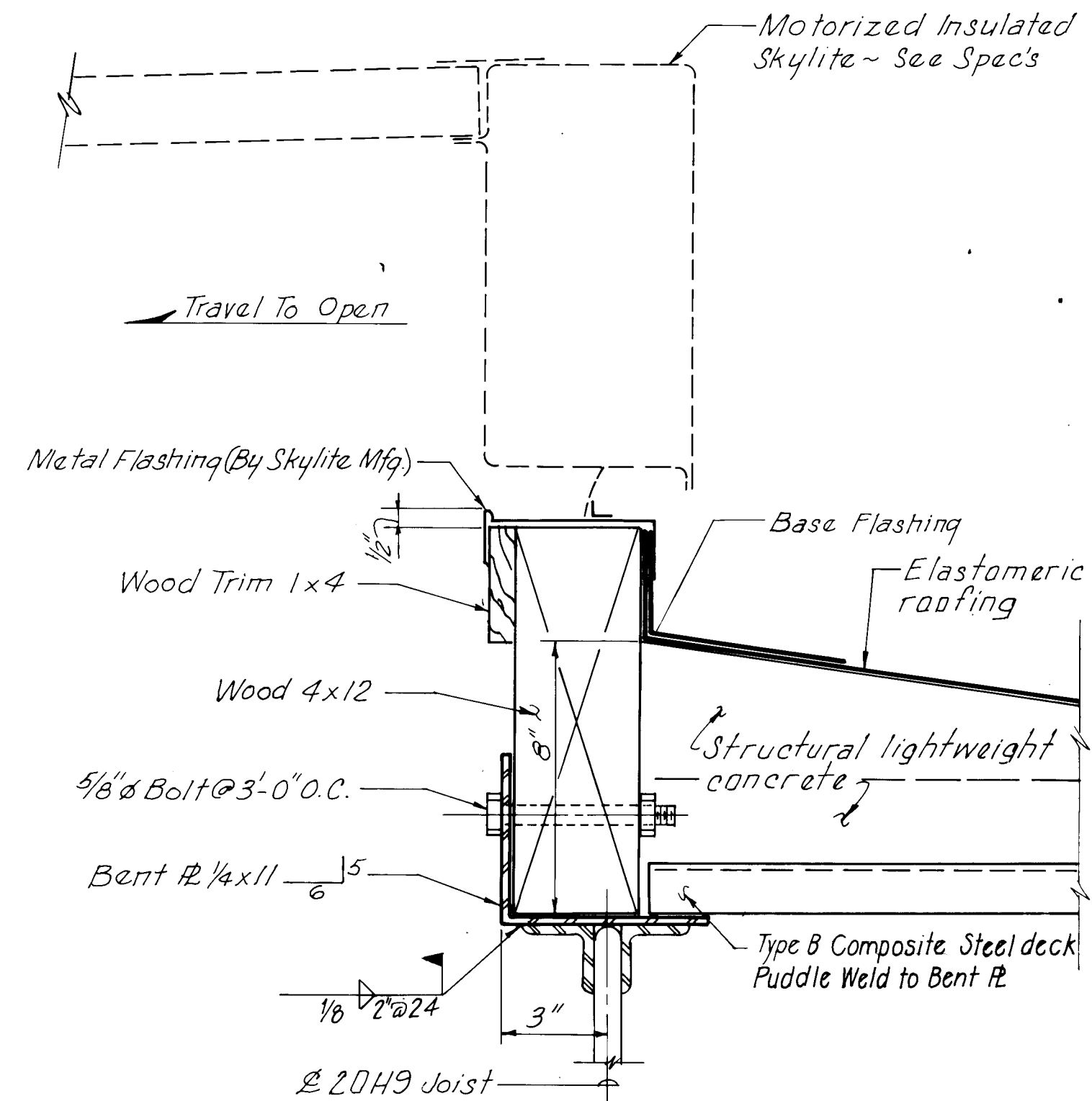
PROJECT NO 1687.11



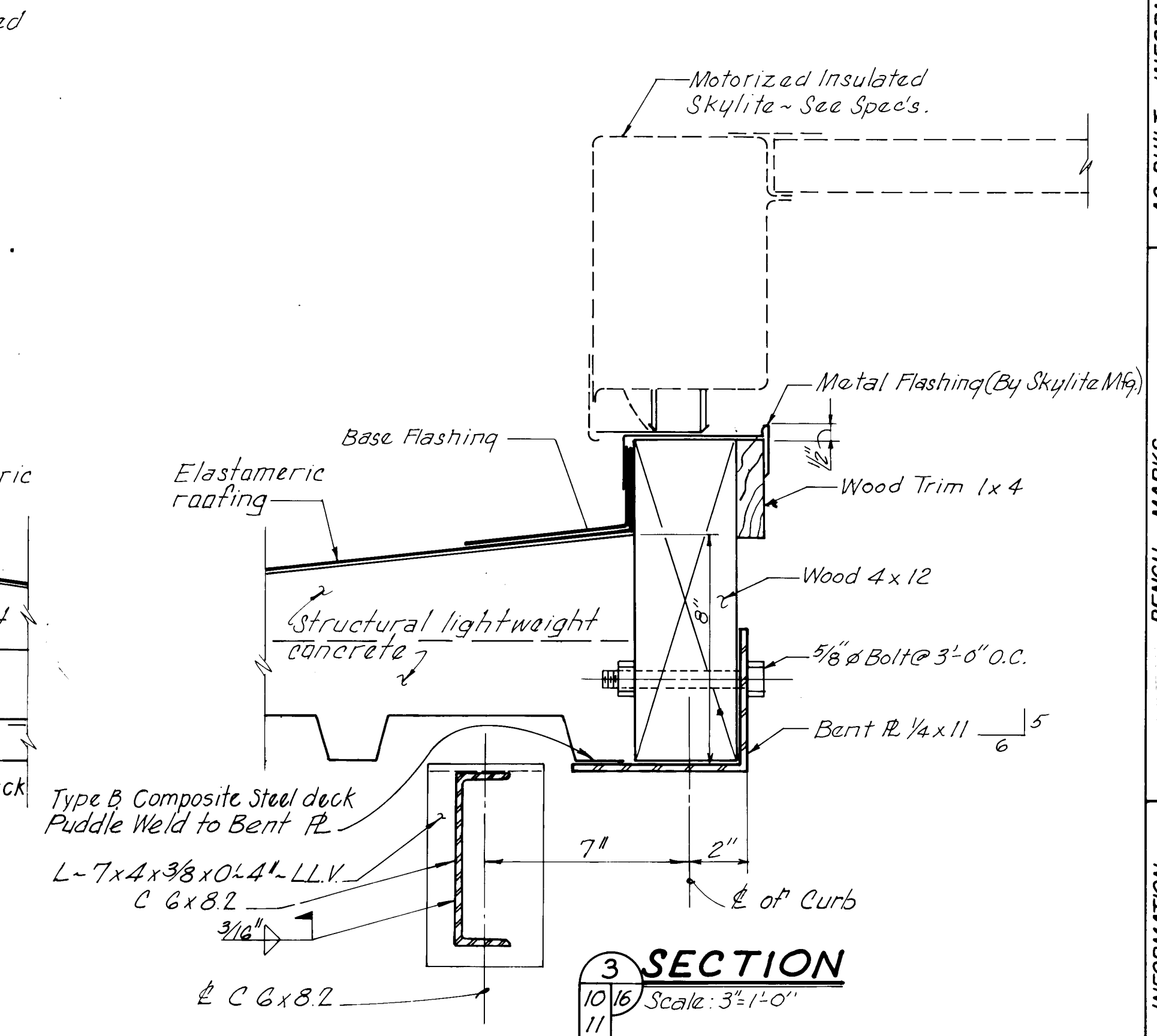
DETAIL D
Scale: 3" = 1'-0"



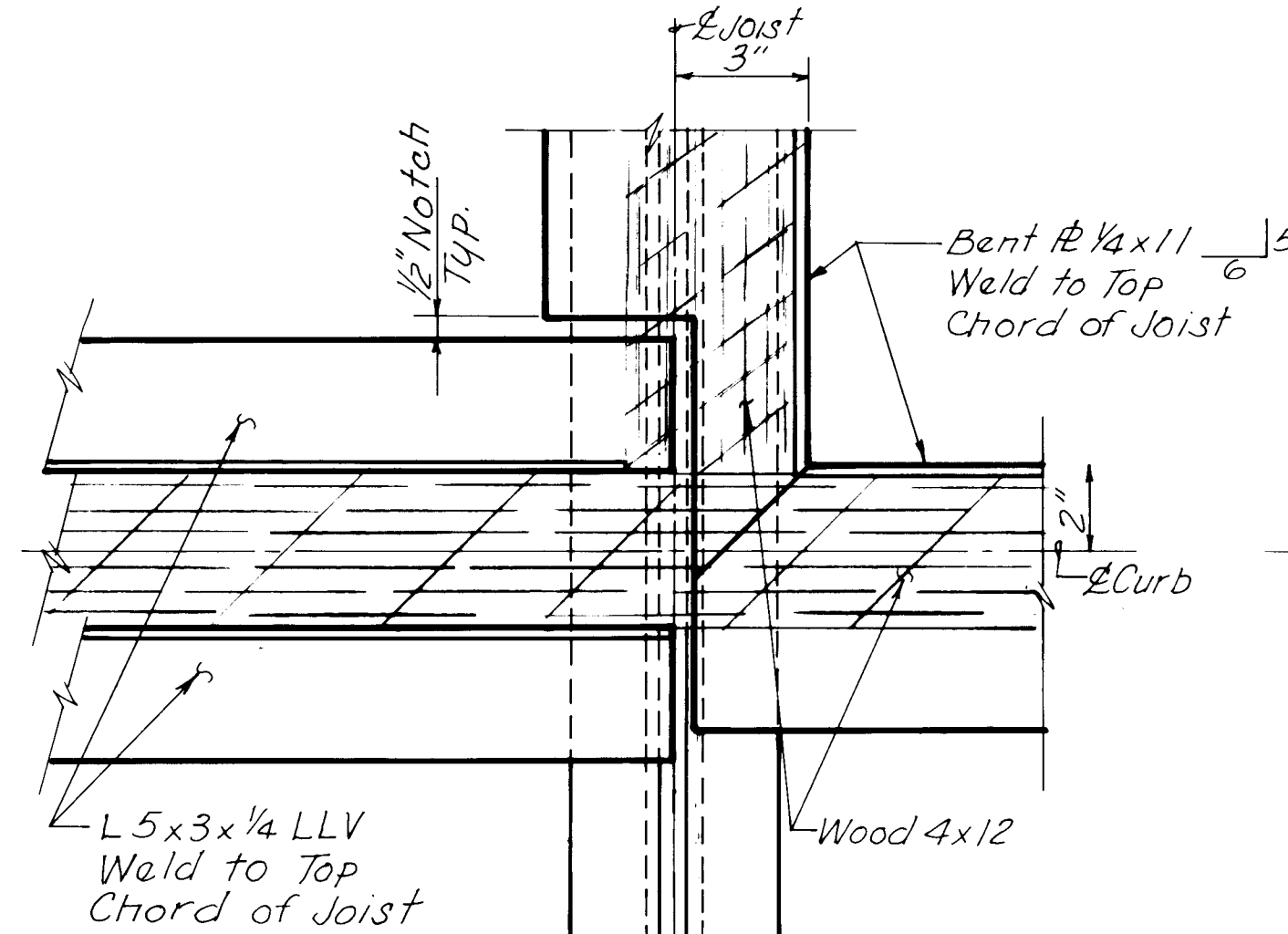
DETAIL G
Scale: 3"=1'-0"



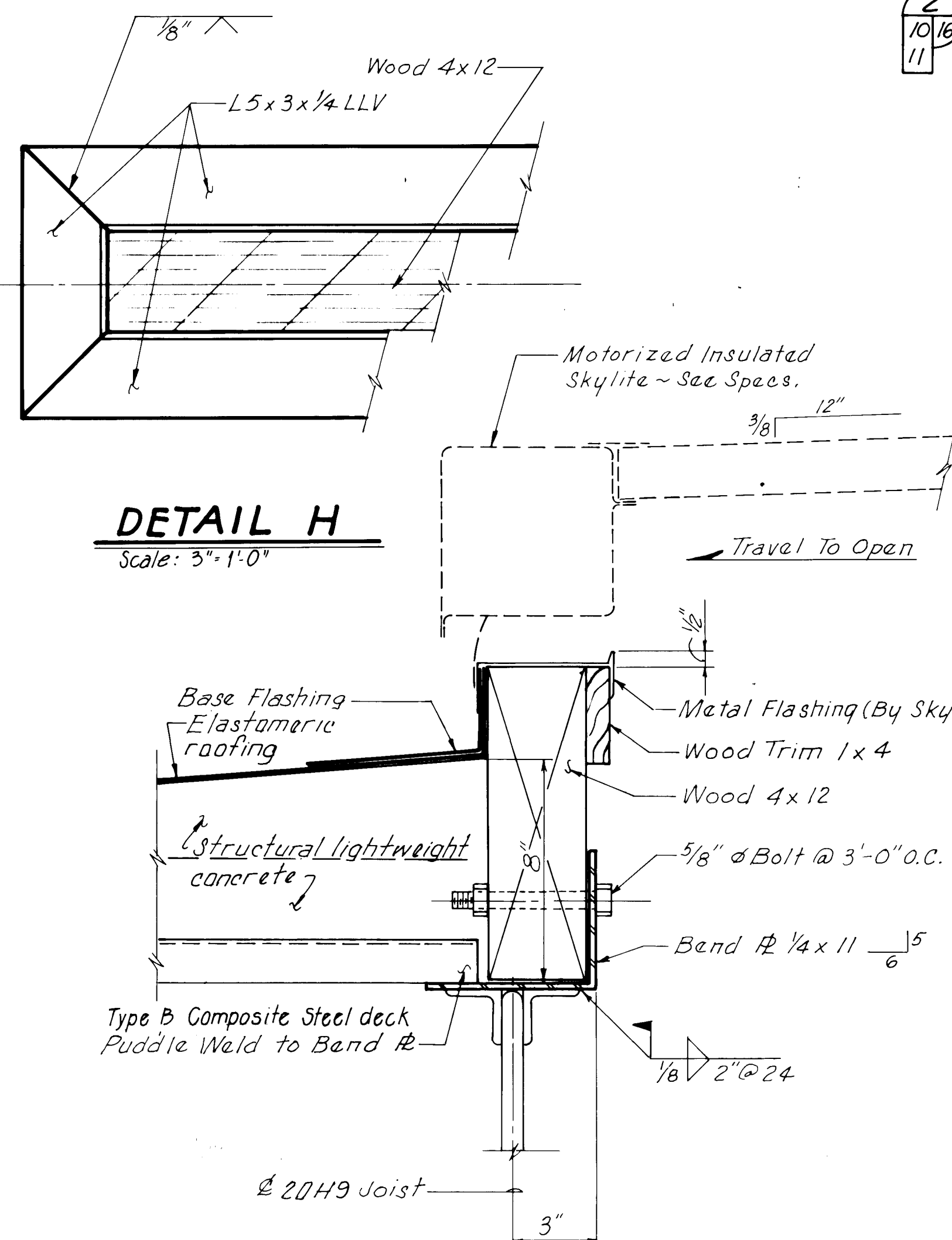
2 **SECTION**
10 16
11 Scale: 3"=1'-0"



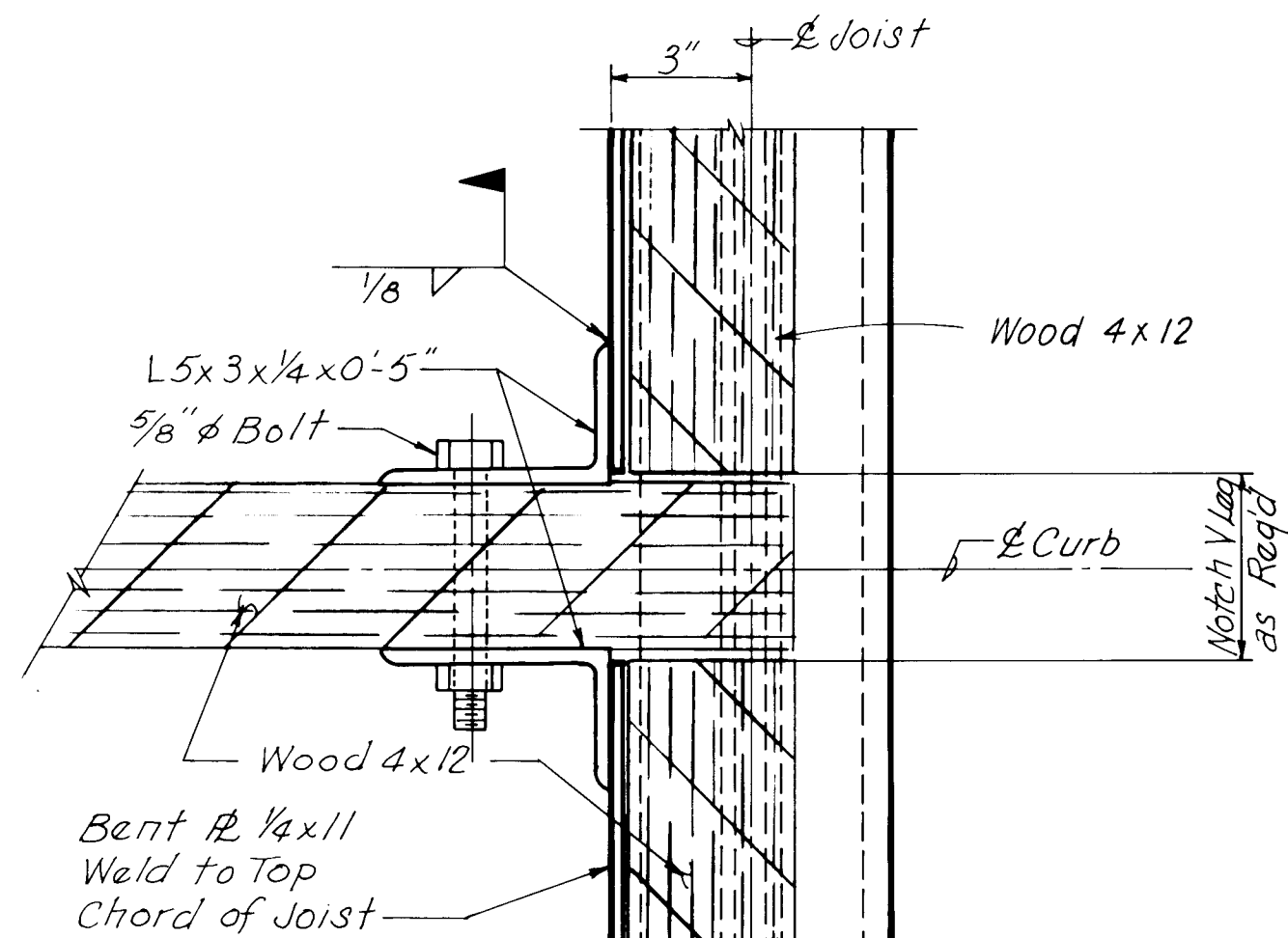
SECTION
 10/16 Scale: 3"=1'-0"
 11



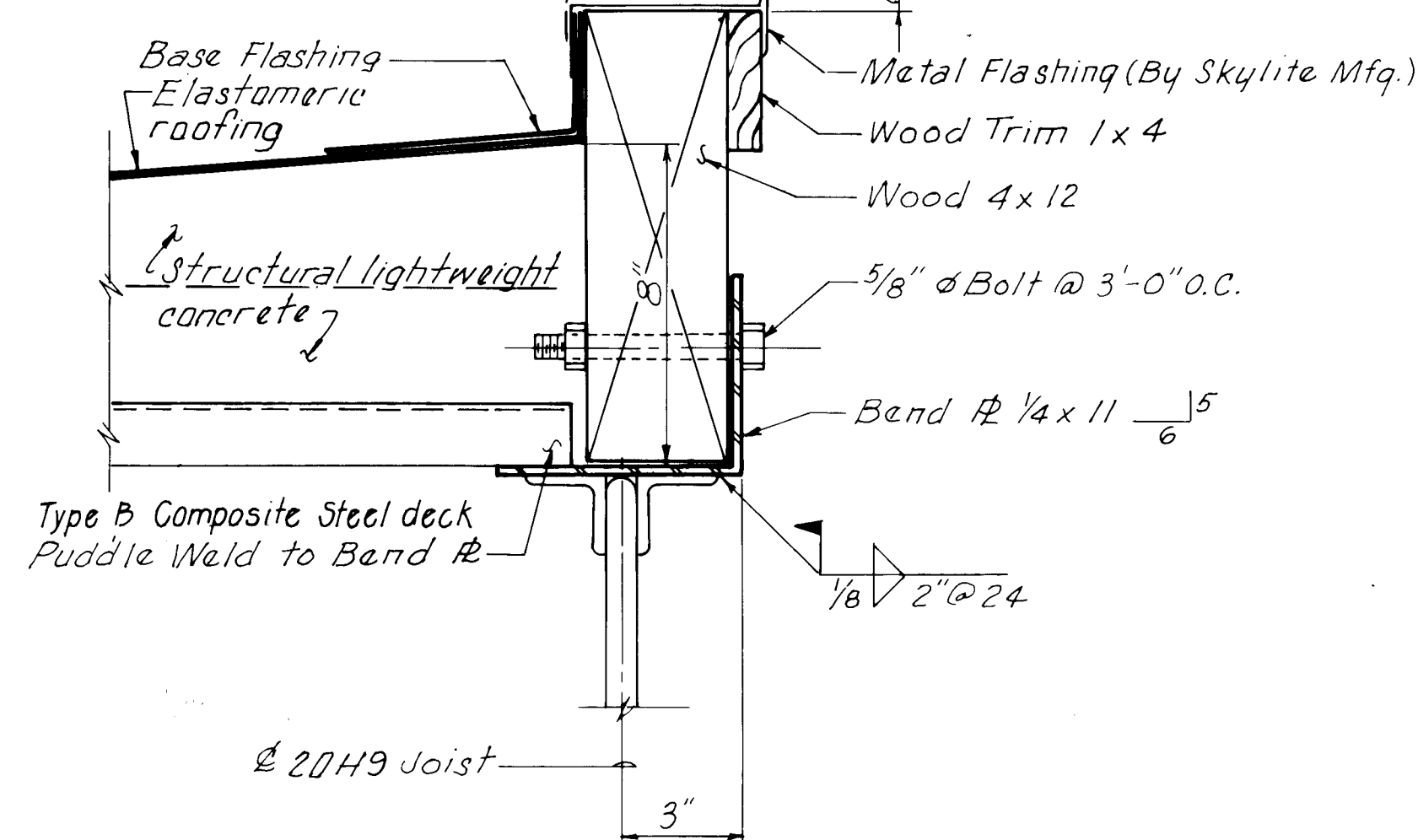
DETAIL E
Scale: 3" = 1'-0"



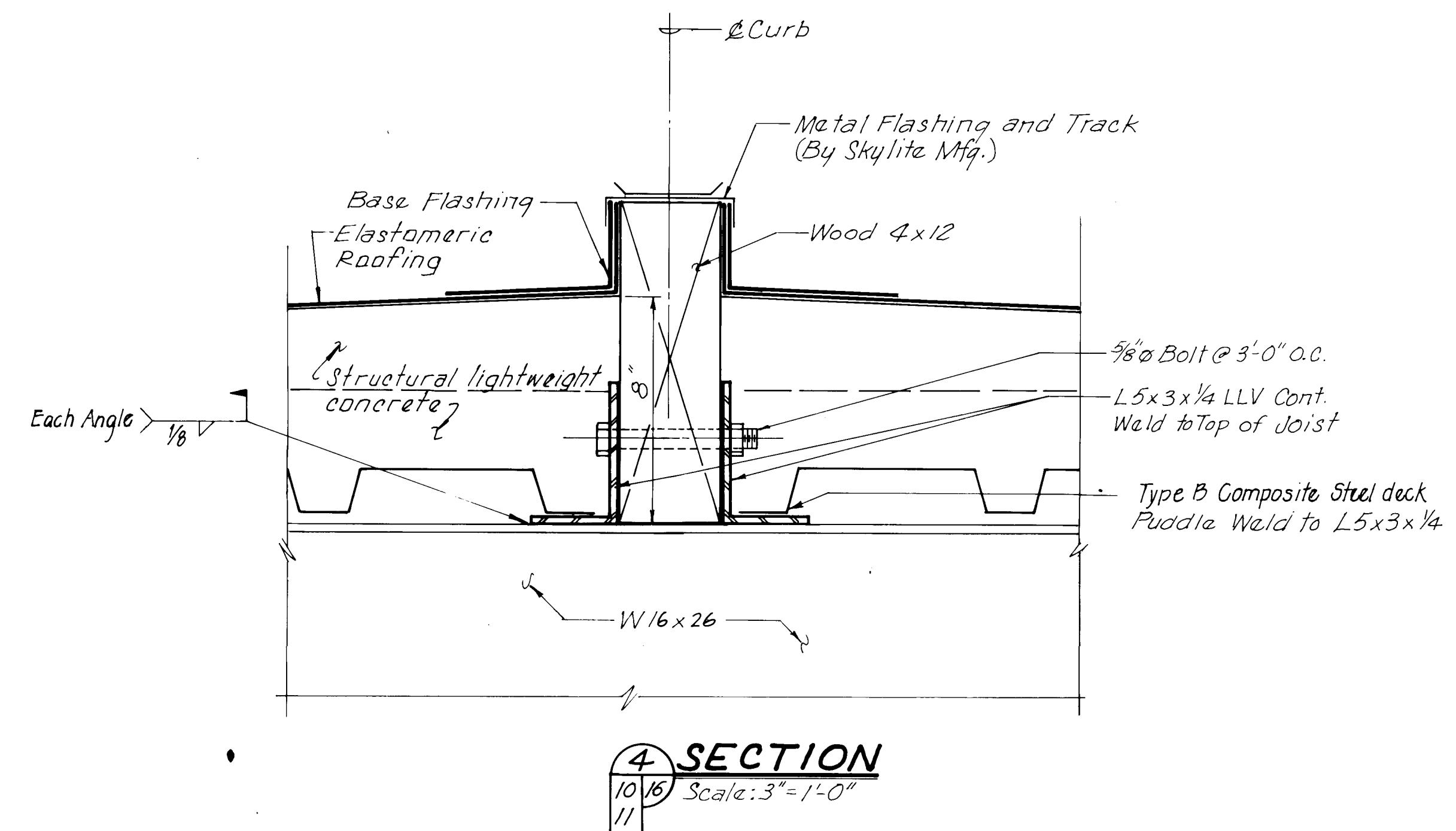
DETAIL H
Scale: 3" = 1'-0"



DETAIL F
Scale: 3"=1'-0"



SECTION
Scale: 3" = 1'-0"



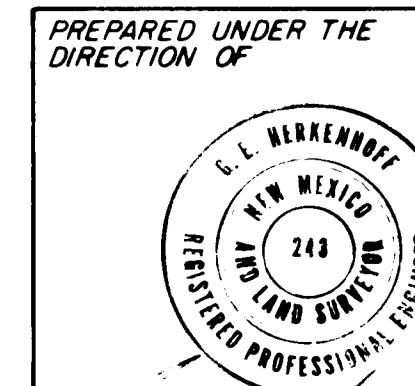
4 SECTION
10/16
11
Scale: 3" = 1'-0"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	6		1	6	8	7	.	1	1		1	6	8	4

RECORD DRAWING

Date **AUG 17 1983**

These drawings have been prepared based on field data and every reasonable attempt has been made to depict construction as actually performed.



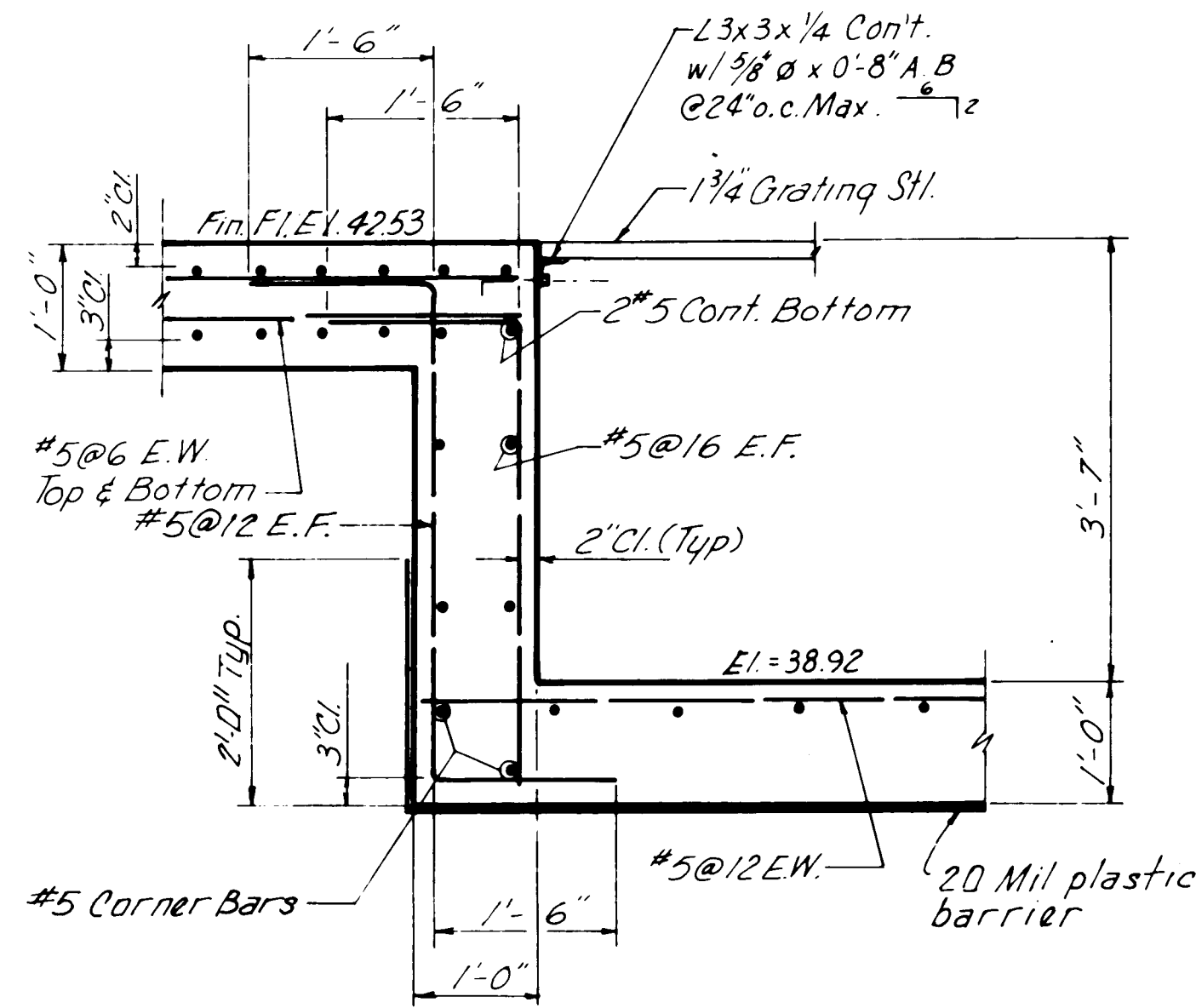
**APPROVED FOR
CONSTRUCTION**

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: ATRISCO PUMP STATION
 SKYLITE FRAMING DETAILS AND SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		

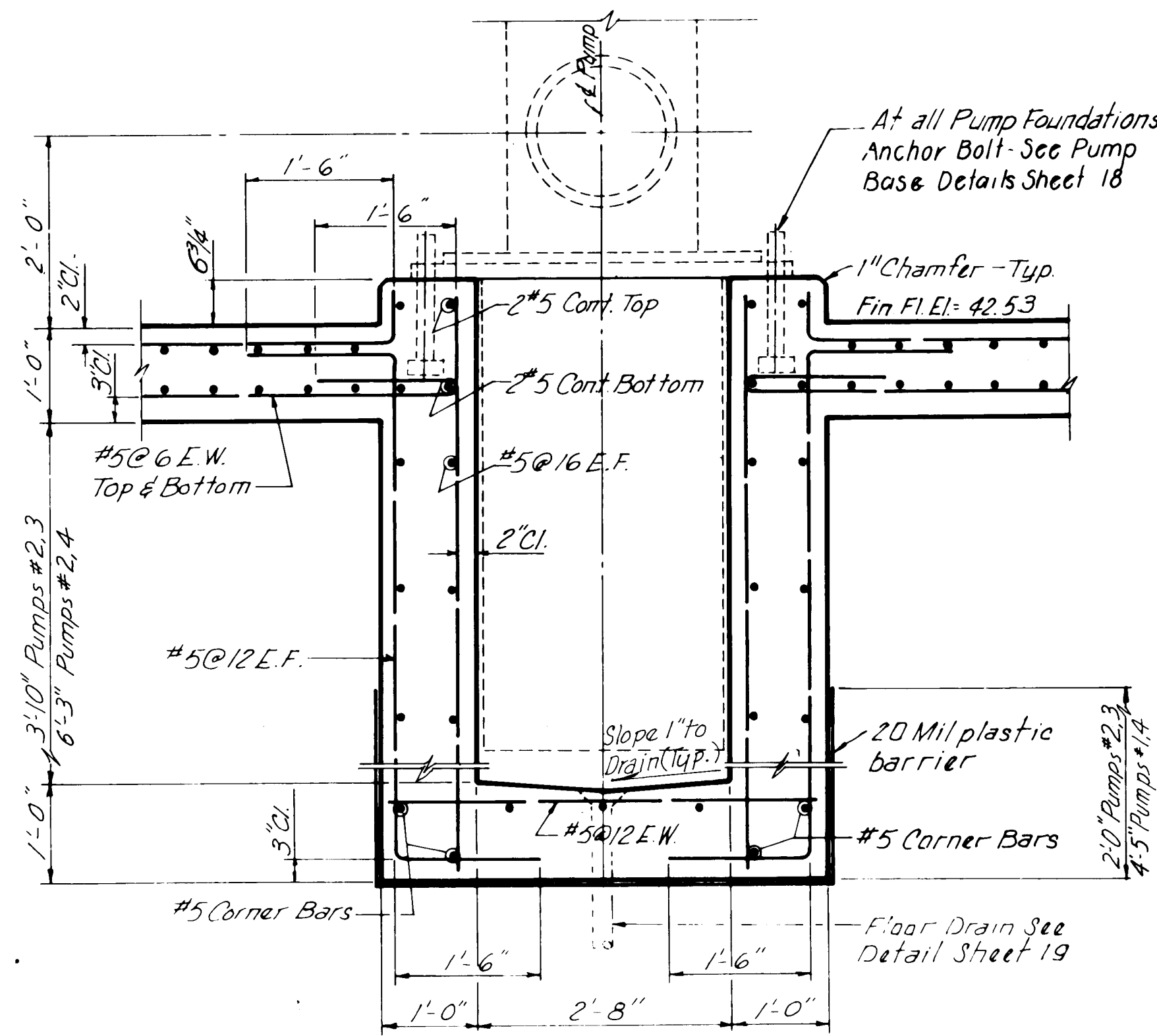
DRAWING NO.	SHEET 16 OF 23
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SUCTION PIT

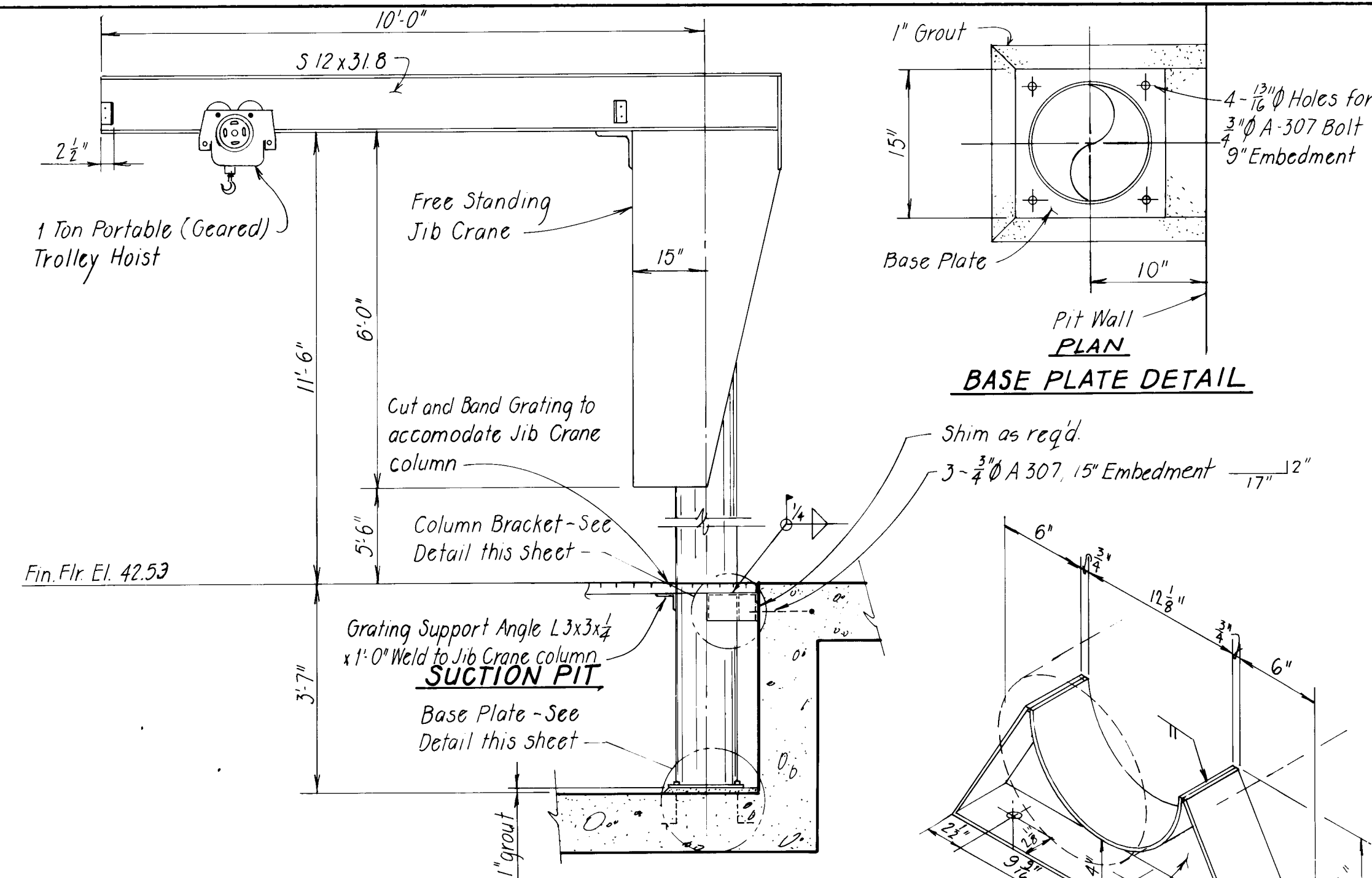
SECTION 8
Scale: 3/4" = 1'-0"

NOTE: For Water Stop Details
See Sheet 18



PUMP PIT

SECTION 10
Scale: 3/4" = 1'-0"

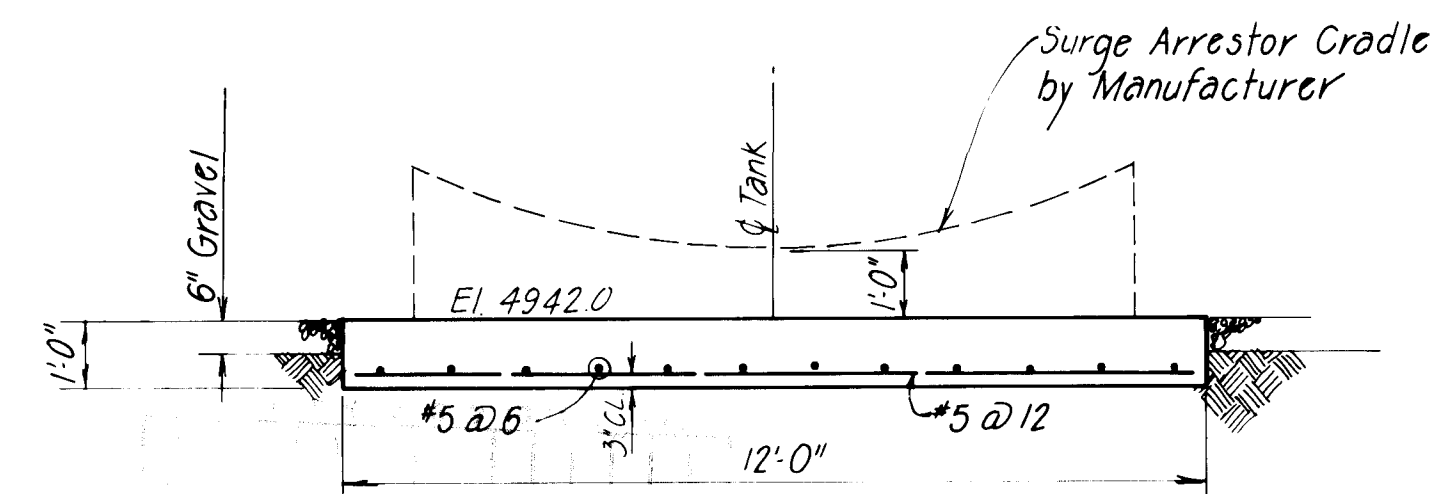


COLUMN BRACKET DETAIL

JIB CRANE AND MOUNTING DETAILS

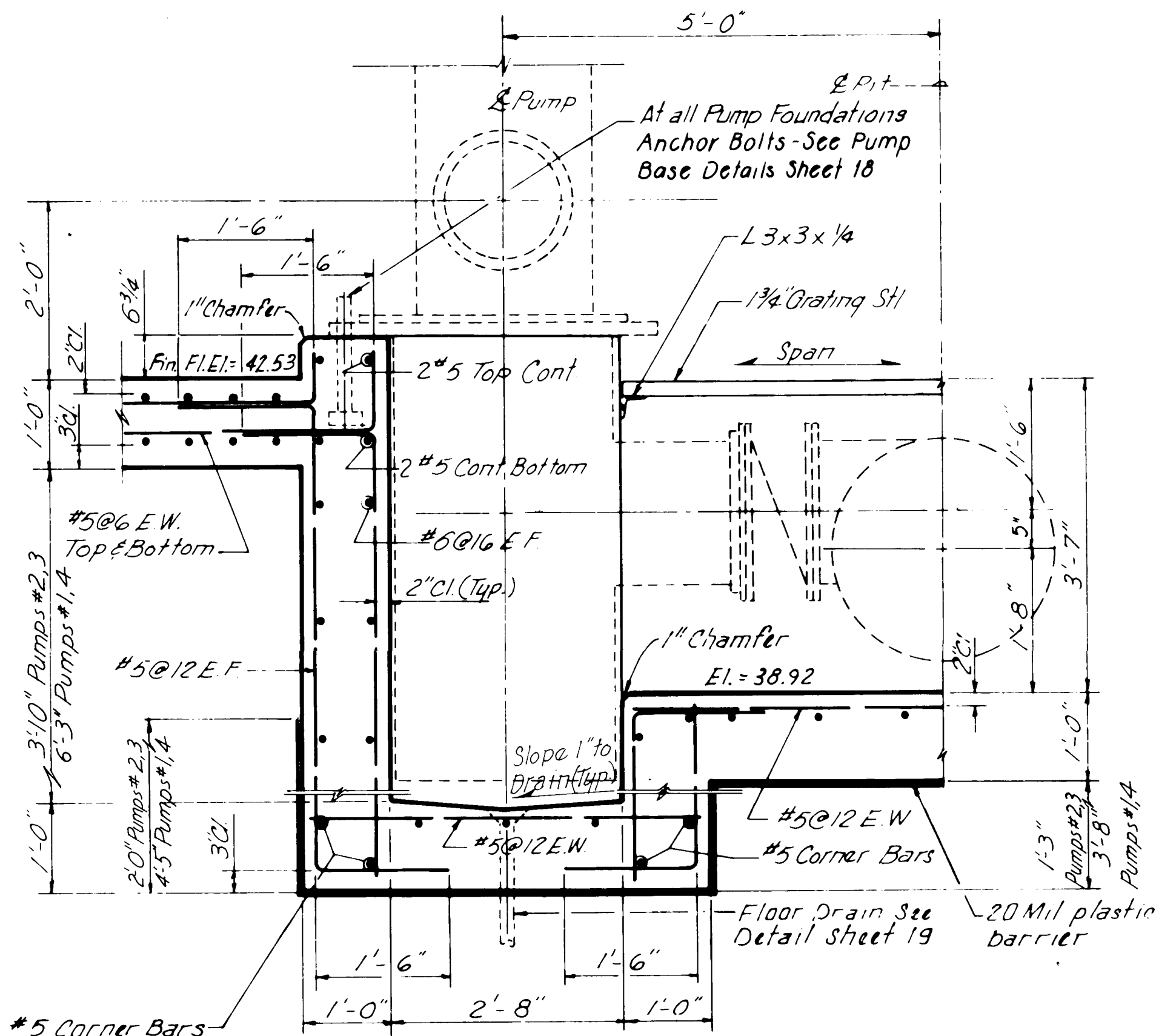
Not to Scale:

SECTION 11
Scale: 1/2" = 1'-0"



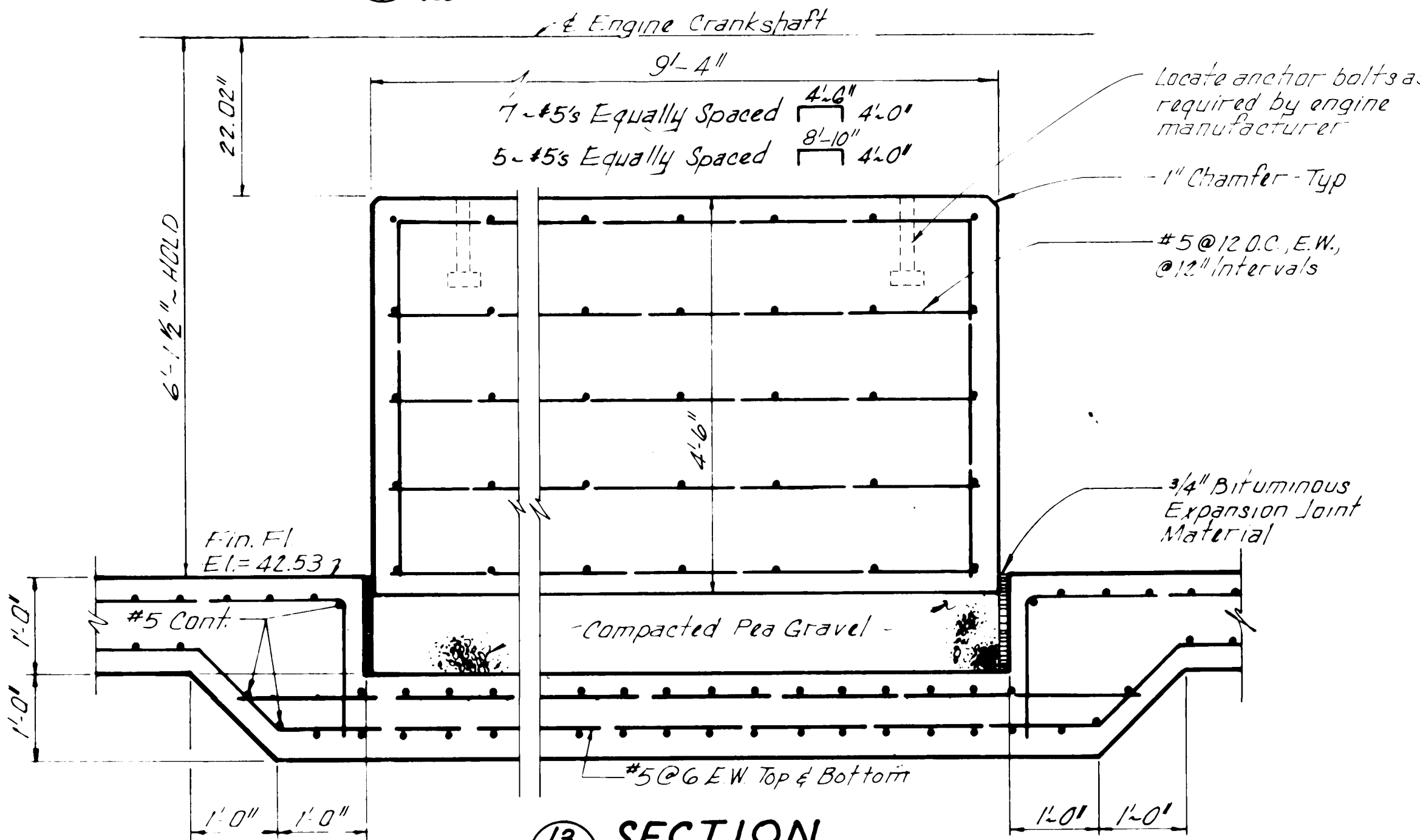
SURGE ARRESTOR FOUNDATION

Scale: 1/2" = 1'-0"



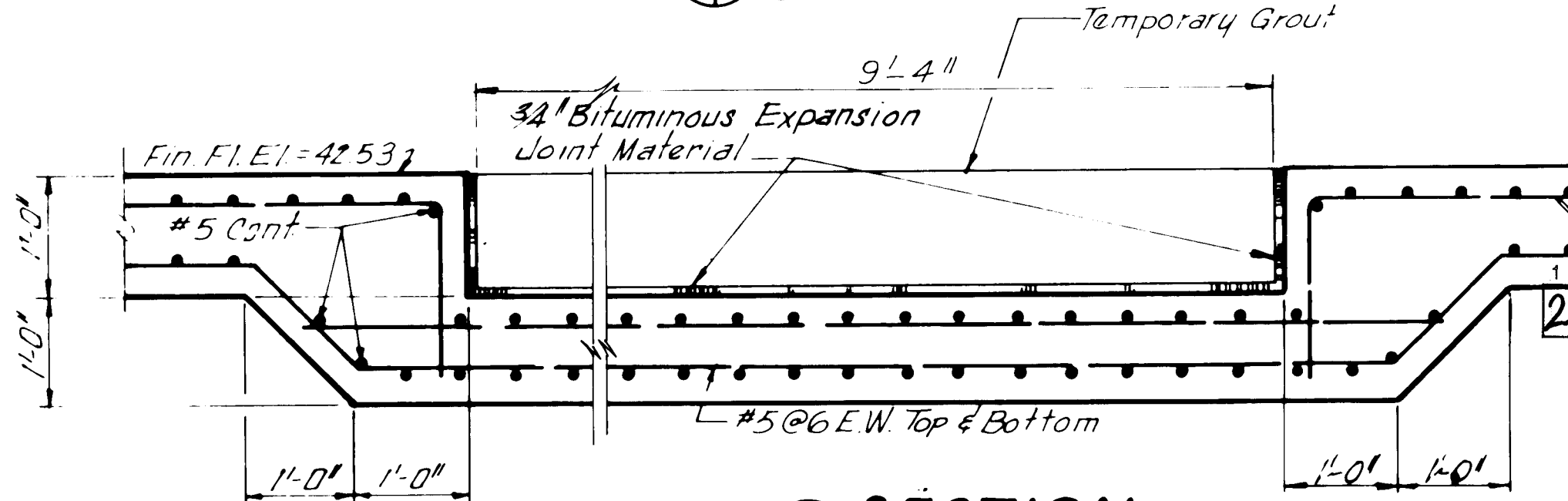
PUMP PIT

SECTION 9
Scale: 3/4" = 1'-0"



SECTION 13

Scale: 3/4" = 1'-0"



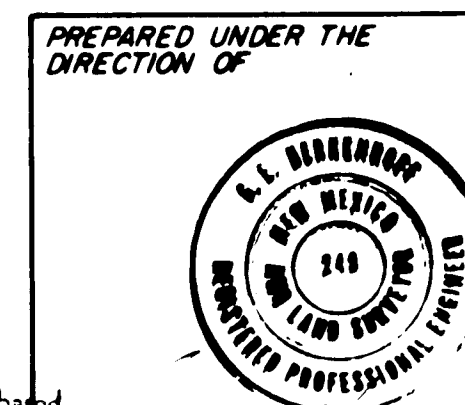
SECTION 14

Scale: 3/4" = 1'-0"

RECORD DRAWING

Date: AUG 17 1983

These drawings are prepared based on field data and are subject to change without notice. The drawings are not to be used for construction without the approval of the engineer.



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

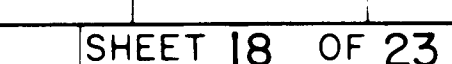
CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

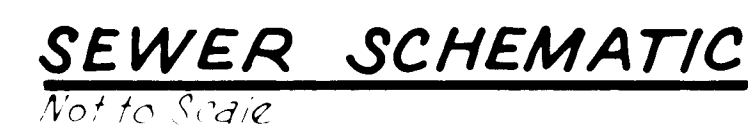
TITLE: ATRISCO PUMP STATION
STRUCTURAL SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		

DRAWING NO. SHEET 17 OF 23

PROJECT NO. 1687.11

[illegible]

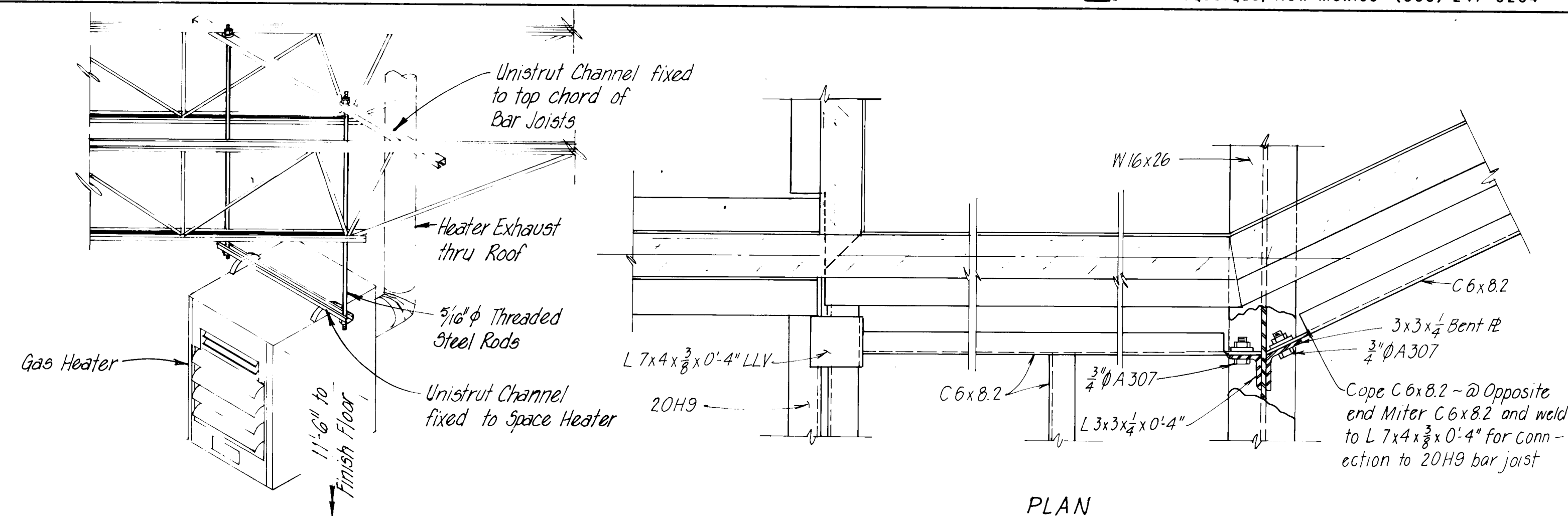


REQUIRE DEPARTMENT DIVISION		
LOCATION		
DETAILS		
VALUATION COST	ENGINEER	DATE
SHEET 19 OF 23		

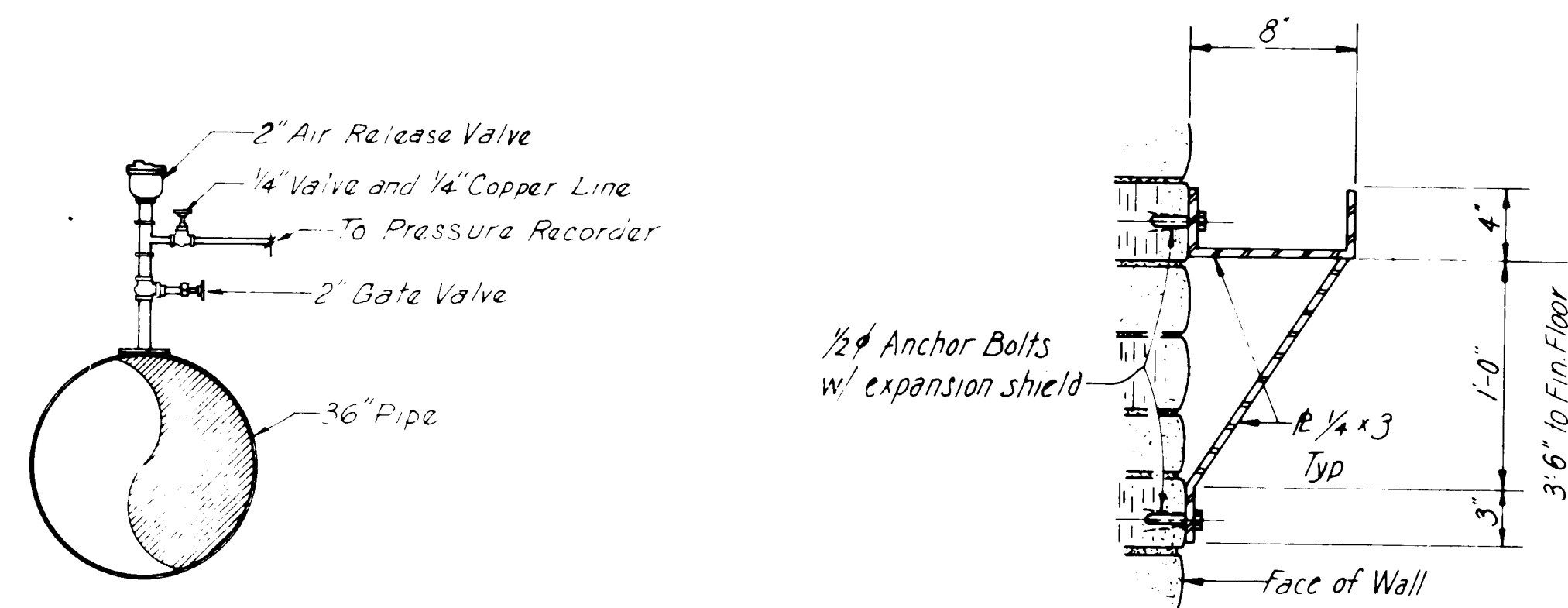
APPROVED FOR
CONSTRUCTION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E Design			Traffic		
A C E Hydrology			Water		

DRAWING	SHEET 19 OF 23
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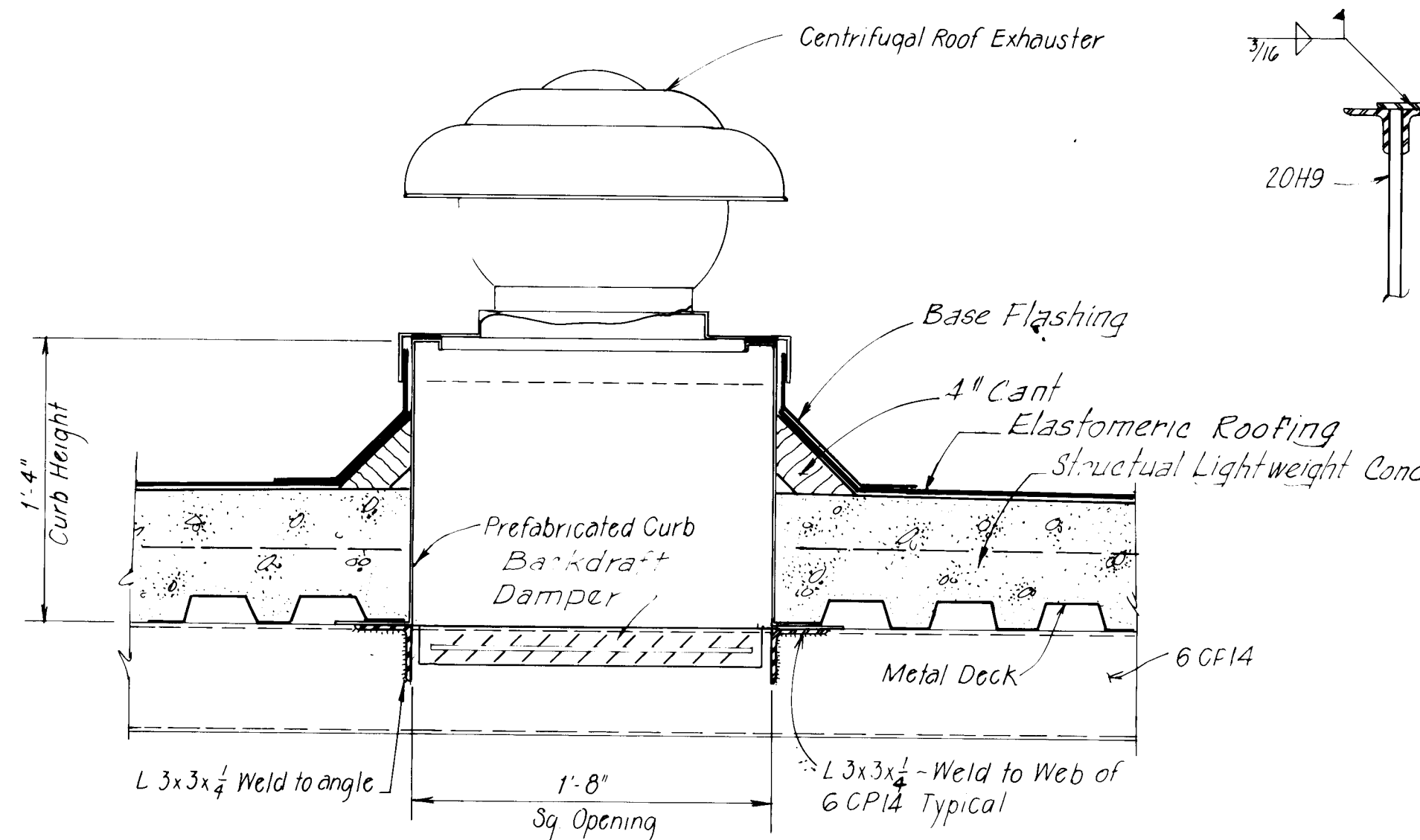


HEATER BRACKET DETAIL
Not to Scale

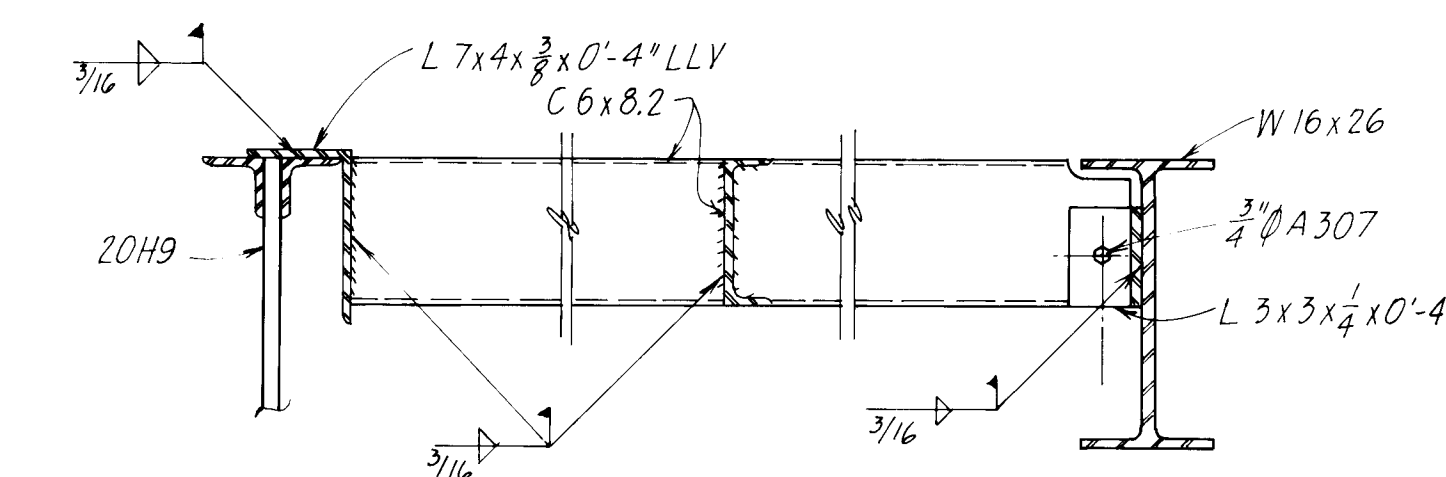


2" AIR RELEASE VALVE DETAIL
Not to Scale

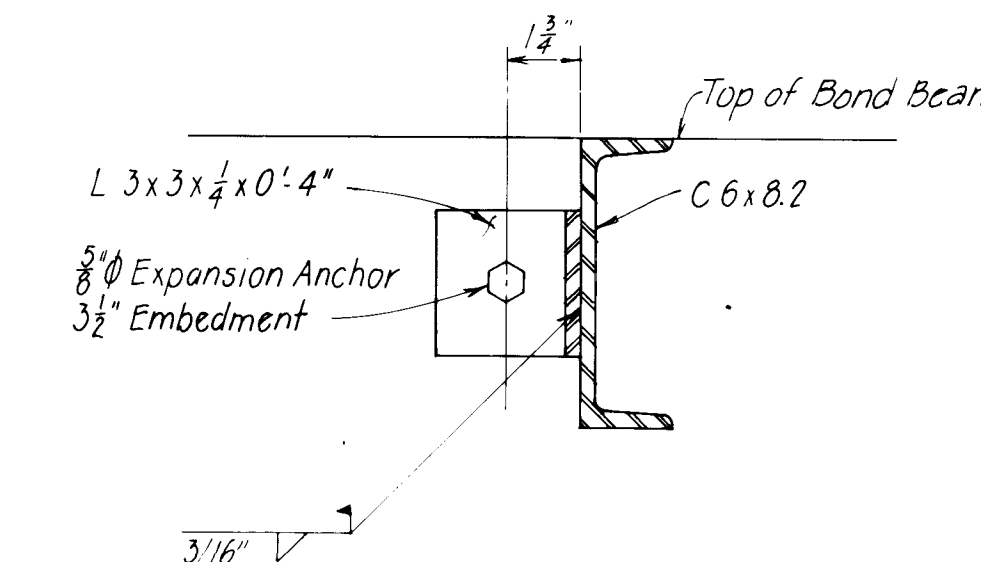
HOSE RACK DETAIL
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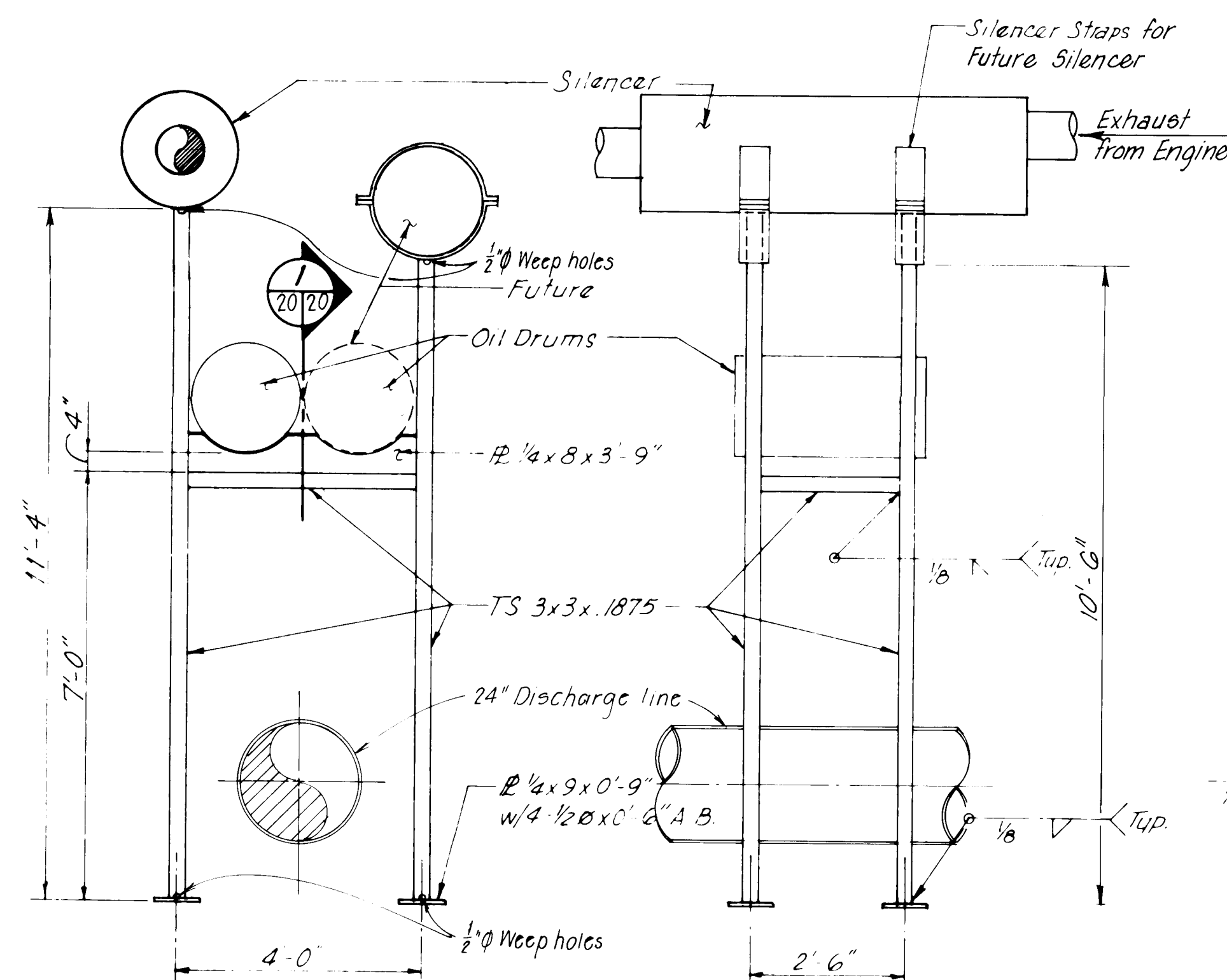
EXHAUSTER DETAIL
No Scale



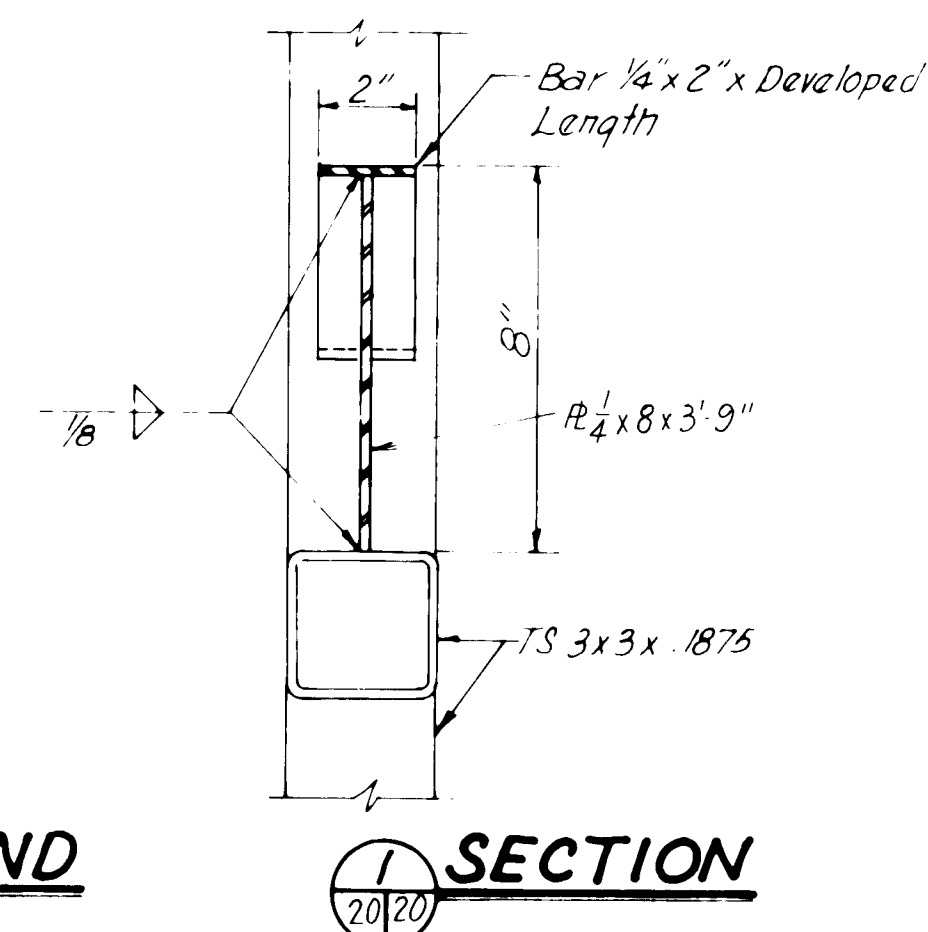
SECTION 5
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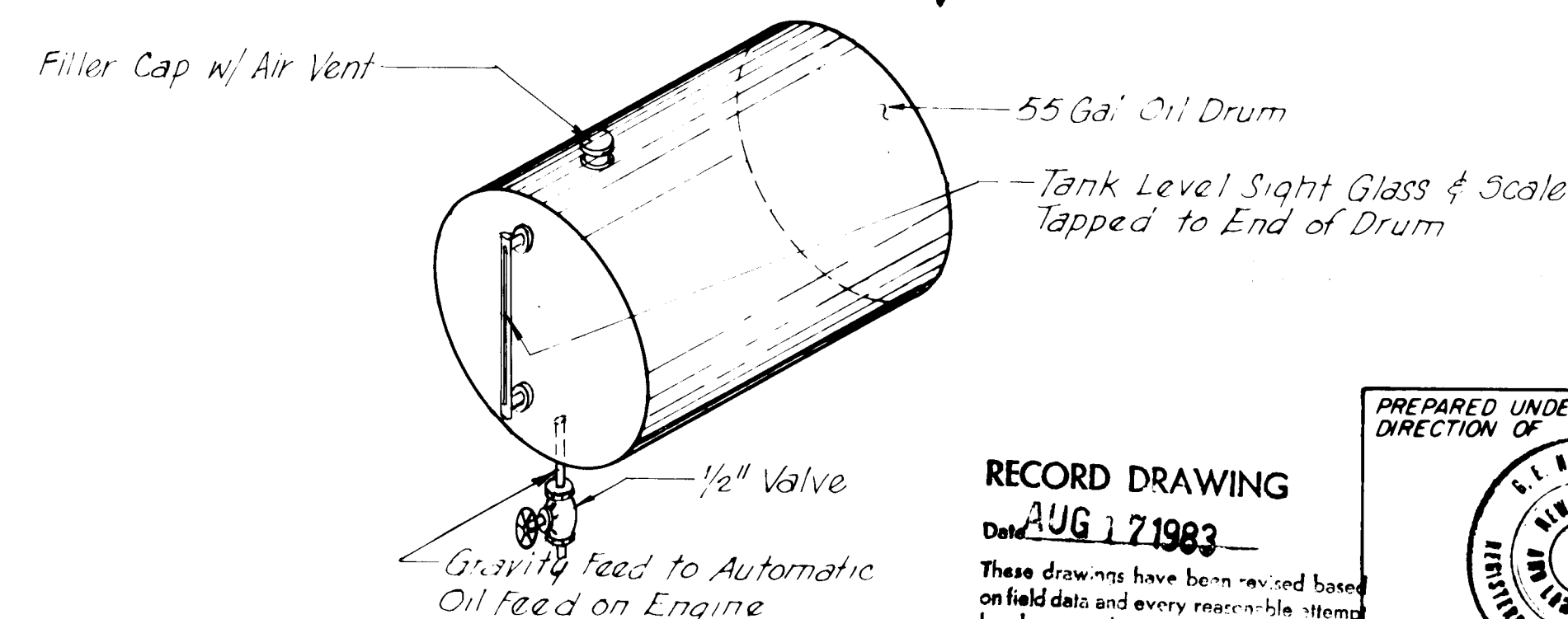
SECTION 6
Scale: 3" = 1'-0"



ELEVATION
SILENCER AND OIL DRUM STAND
Scale: 1/8" = 1'-0"

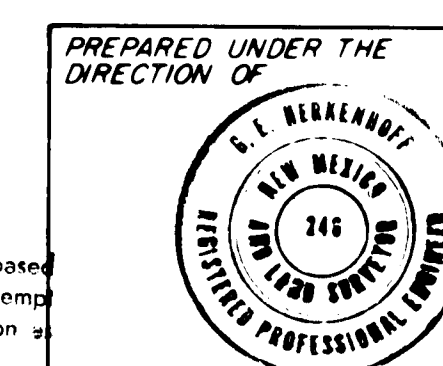


SECTION



OIL DRUM DETAIL
Not to Scale

RECORD DRAWING
Date: AUG 17 1983
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: ATRISCO PUMP STATION

MISCELLANEOUS DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

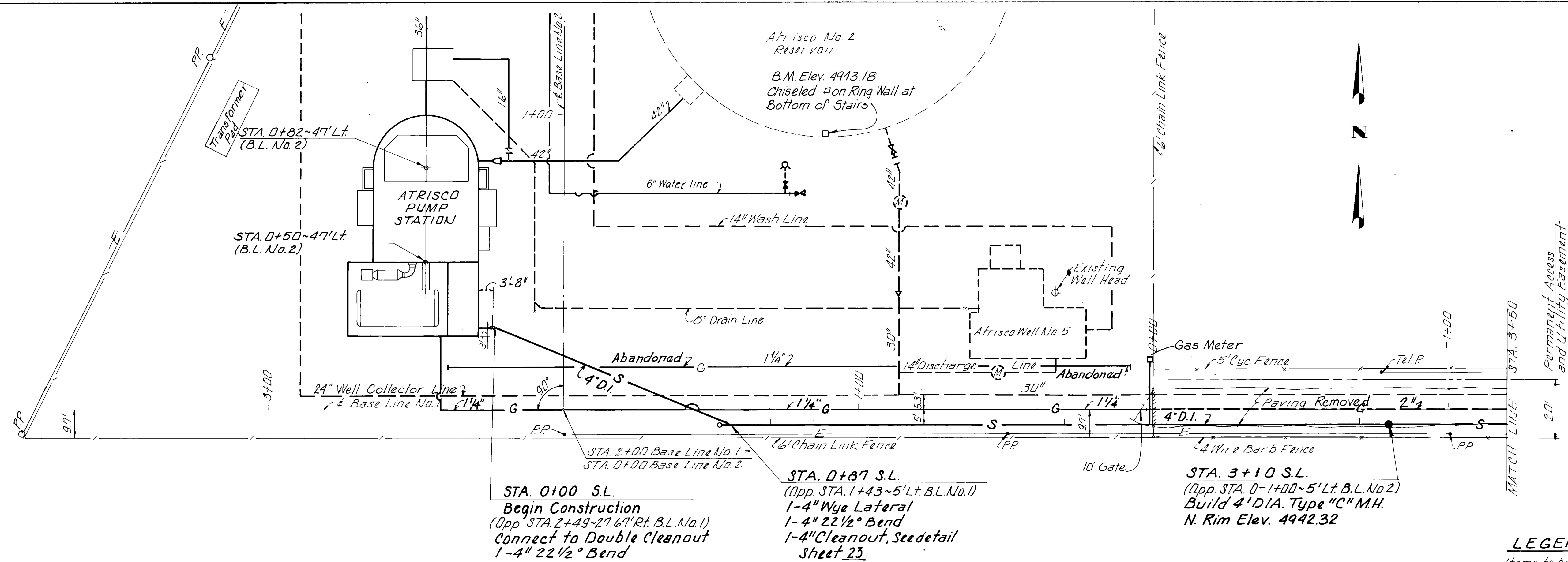
DRAWING NO. SHEET 20 OF 23

Shun Z Spaul
1.13.87

CONTRACTOR	DATE
INSPECTOR	DATE
APPROVED BY	DATE
VERIFICATION BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE

MAP NO.	EST. NO.	W.O. NO.

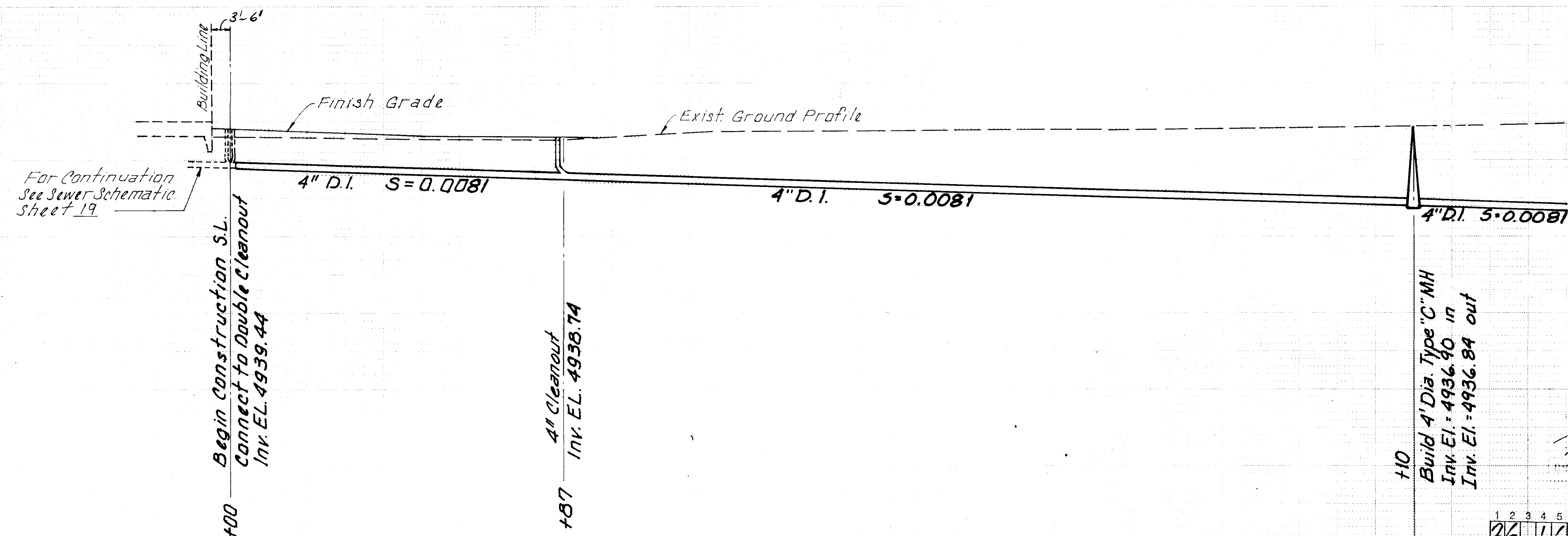
NO.	DATE	REVISIONS
		DESIGN
		BY
		DATE
		DATE NOV. 1980
		DATE NOV. 1980



LEGEND

--- Items to be built under Atrisco No.5 Well Equipment Contract

SCALES
Horiz: 1"=20'
Vert: 1"=5'

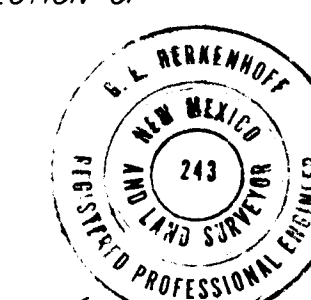


RECORD DRAWING

Date: **AUG. 7, 1983**

Those drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.

PREPARED UNDER THE DIRECTION OF



APPROVED FOR CONSTRUCTION

CITY ENGINEER DATE

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: ATRISCO PUMP STATION
SANITARY SEWER PLAN AND PROFILE
STA. 0+00 TO STA. 3+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

DRAWING NO.

SHEET 22 OF 23

AS BUILT INFORMATION	
CONTRACTOR	DATE
INSPECTOR'S	DATE
STAKE BY	DATE
FIELD	DATE
VERIFICATION BY	DATE
CORRECTED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

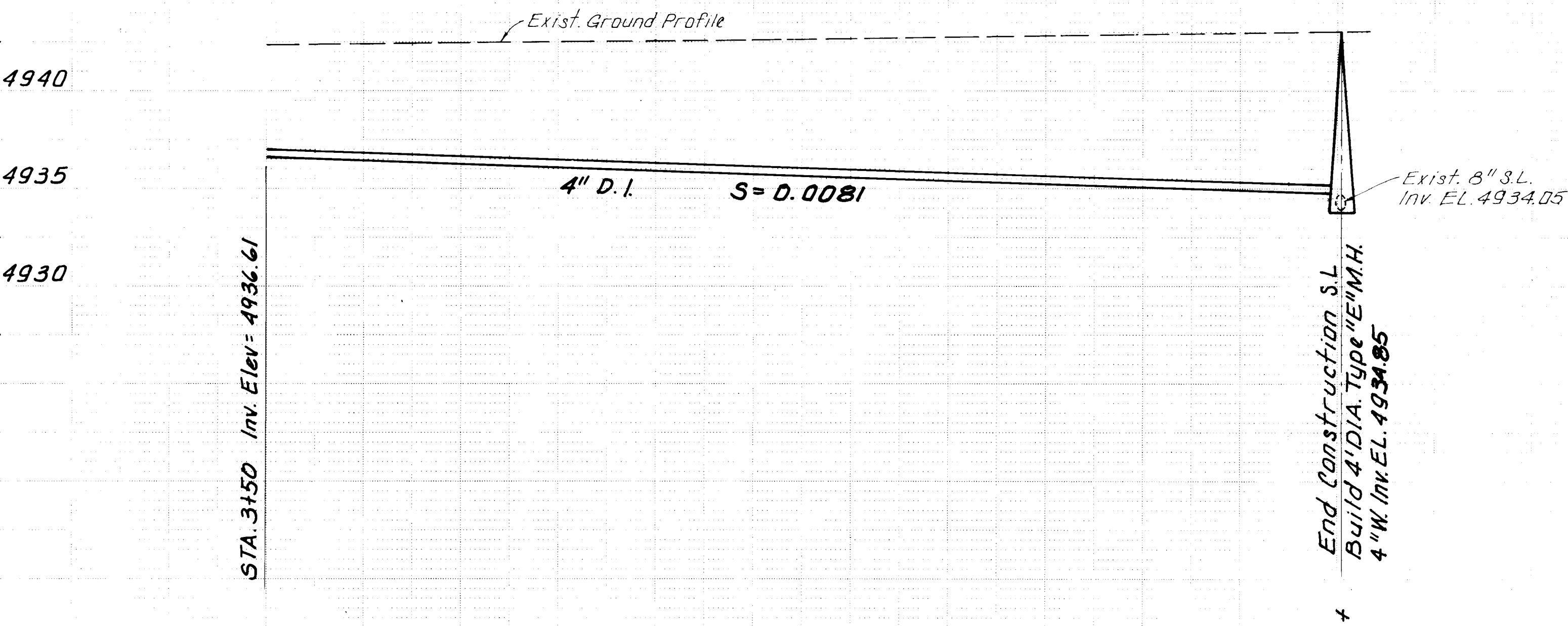
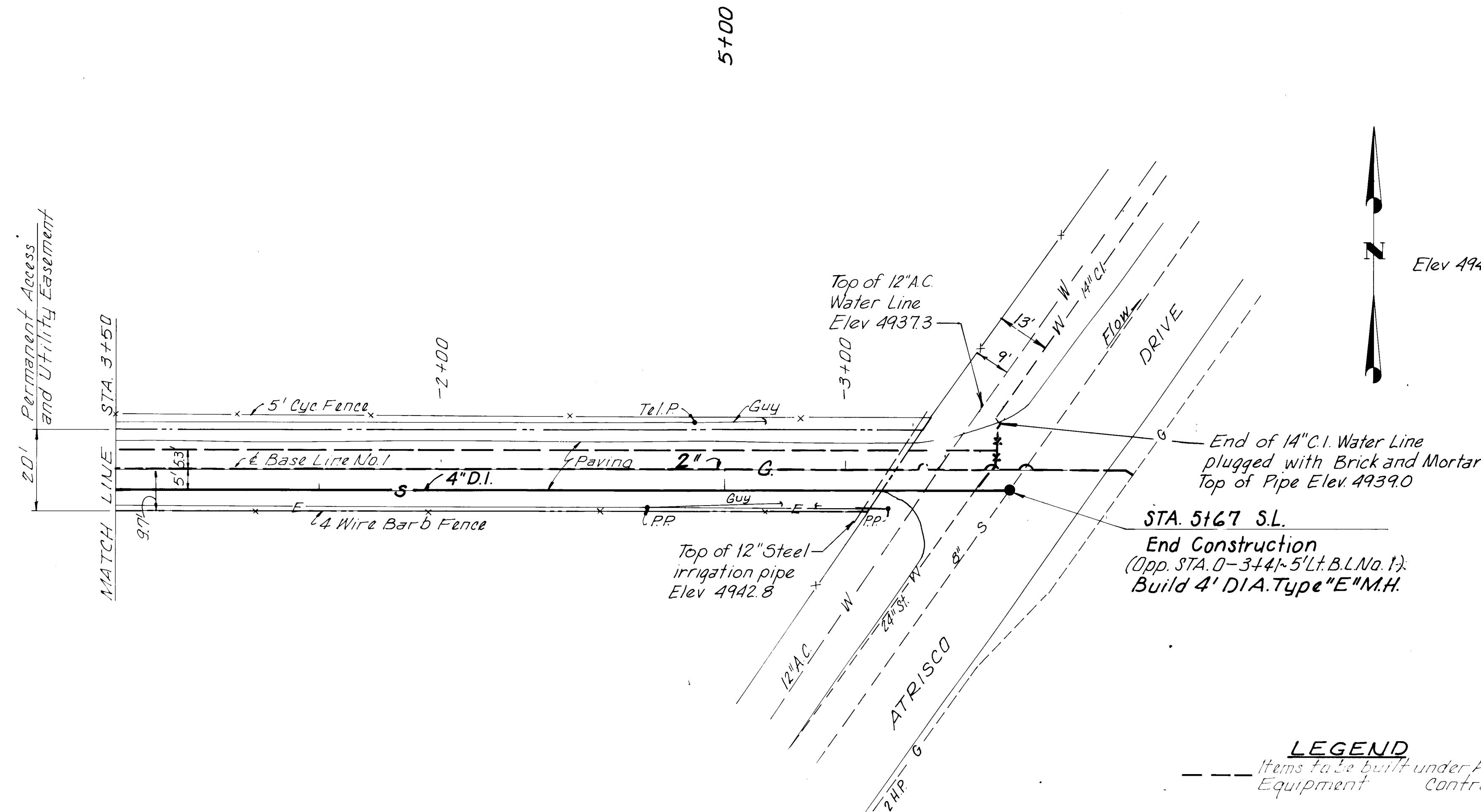
BENCH MARKS	
TBM - Chiseled Square on Ring Wall of Reservoir adjacent to Slurway (Elev. 4943.18) based on closed level loop from Albuquerque City Survey Bench Mark 12-K-12	

SURVEY INFORMATION	
FIELD NOTES	DATE
BY	
NO.	

REFERENCES	
MAP NO.	W.O. NO.
EST. NO.	

REVISIONS	
NO.	DATE
REMARKS	BY
DESIGN	
DESIGNED BY: WWW	DATE: NOV. 1980
DRAWN BY: B.G.C.	DATE: NOV. 1980
CHECKED BY:	DATE:

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES		REVISIONS	
DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
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DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.
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DOUBLE CLEANOUT DETAIL
No Scale:

CLEANOUT DETAIL
No Scale:

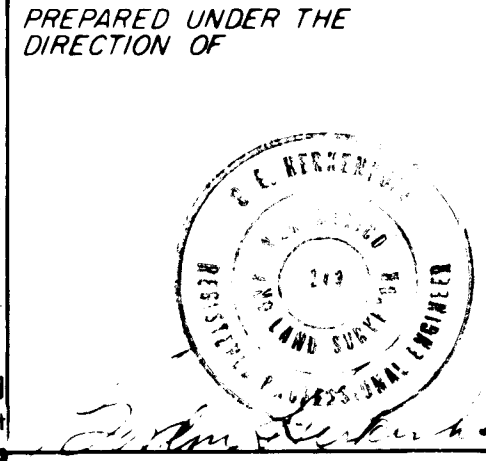
LEGEND
Items to be built under Atrisco No. 5 Well
Equipment Contract

SCALES
Horiz: 1"=20'
Vert: 1"=5'

26 1 1987 11 2387

RECORD DRAWING
AUG 17 1987

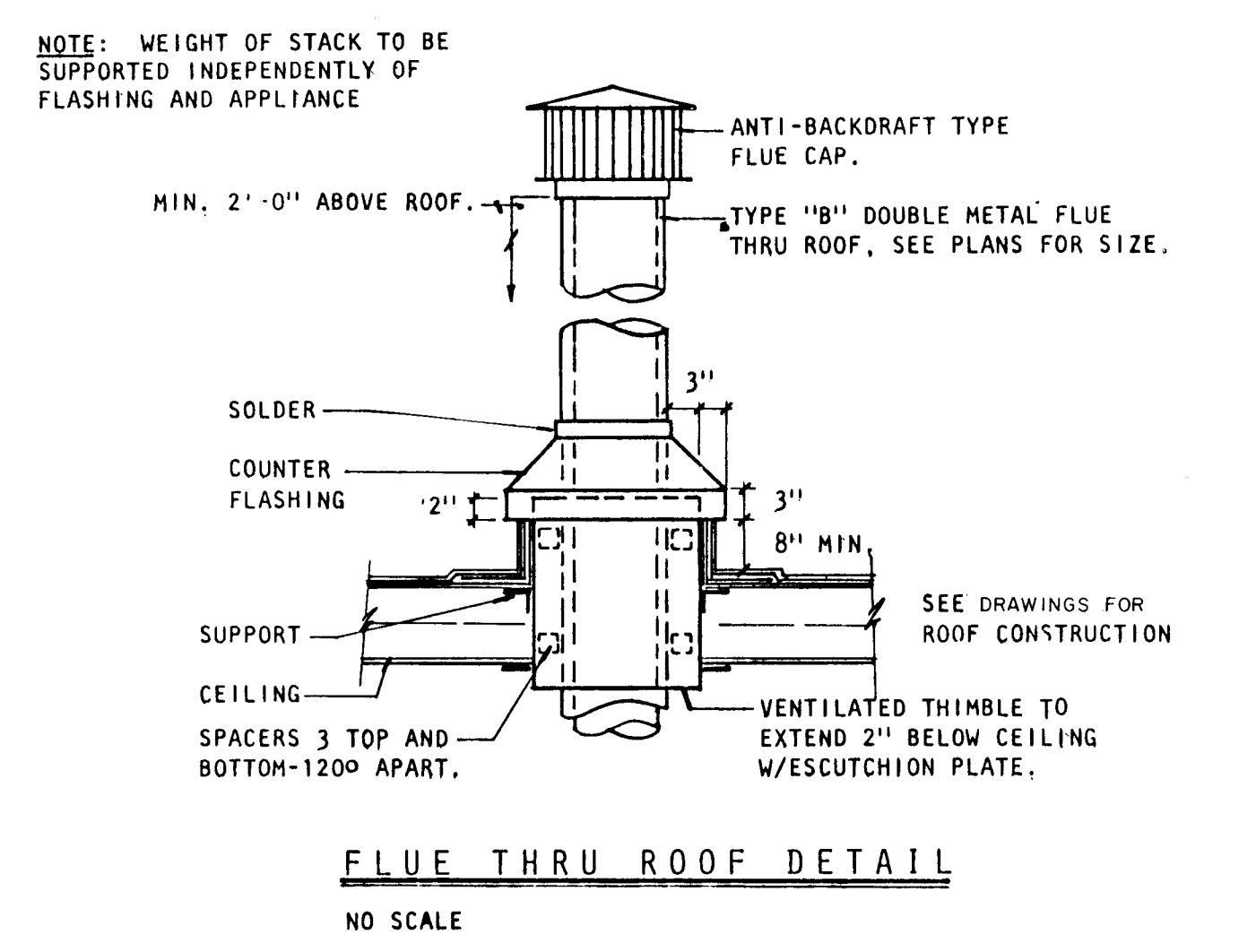
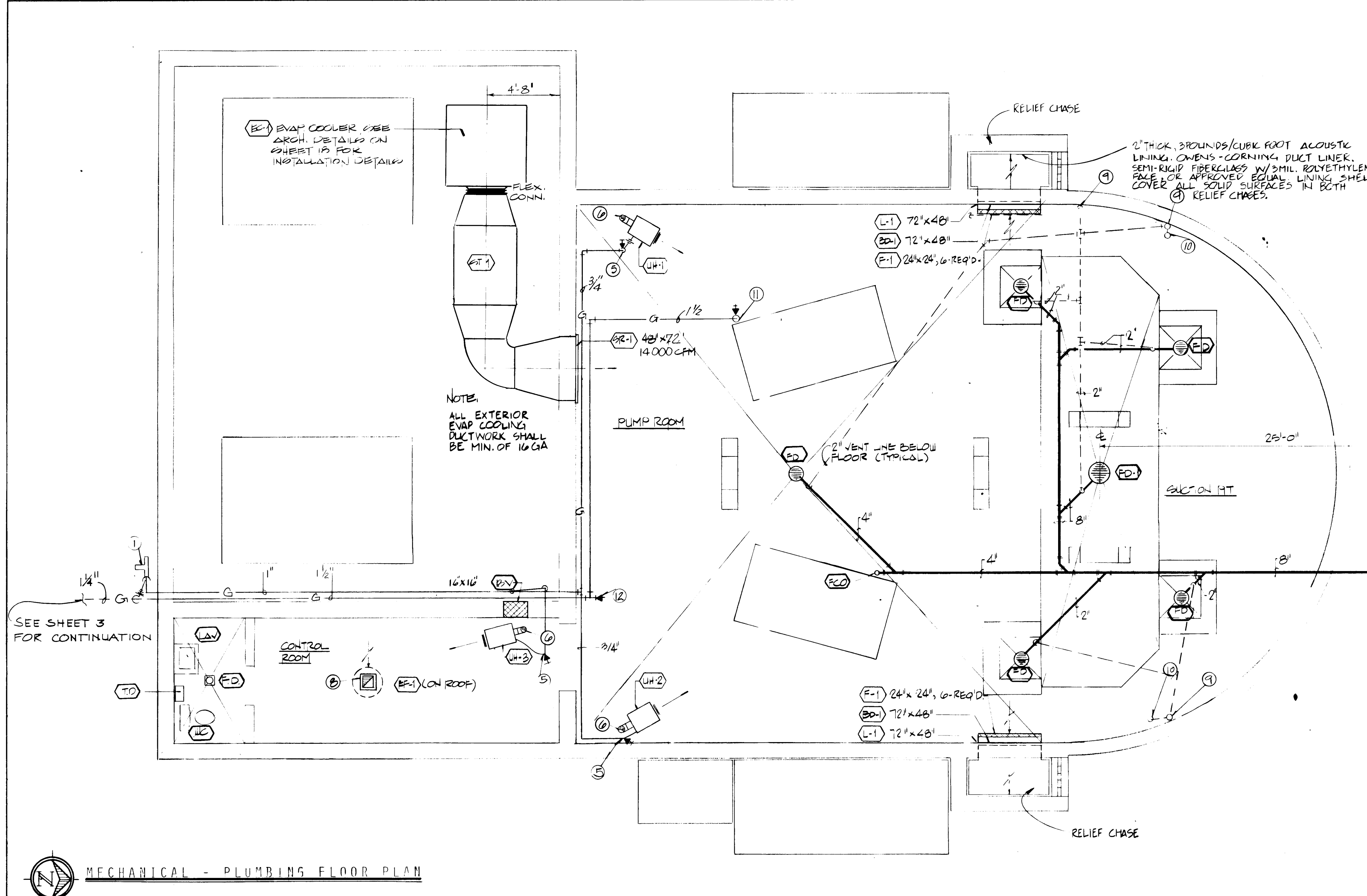
These drawings have been revised based on field data and every reasonable attempt has been made to depict construction as actually performed.



APPROVED FOR CONSTRUCTION
CITY ENGINEER DATE

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION			
TITLE: ATRISCO PUMP STATION SANITARY SEWER PLAN AND PROFILE STA. 3+50 TO STA. 5+67			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
A.C.E. - Design			Traffic
A.C.E. - Hydrology			Water
DRAWING NO.	SHEET 23 OF 23		

PROJECT NO 1687.11



KEYED NOTES

1. INSTALL PRESSURE REGULATOR FOR 125 CFH @ 7\"/>
- 2.
3. H.S.L. GAS LINES ALONG WALL TO BELOW CEILING.
4. EXTEND GAS LINE THRU WALL INTO HIGH BAY AREA AND RISE LINE INTO JOIST SPACE.
5. DROP GAS LINE TO CONNECTION AT HEATER, PROVIDE GAS COCK AND FLEXIBLE CONNECTION
6. 4\"/>
7. SUSPEND UNIT HEATERS FROM ROOF STRUCTURE WITH
8. 12\"/>
9. RISE VENT LINE ALONG WALL TO BELOW ROOF STRUCTURE. UNISTRUT AND 5/16\"/>
10. COMBINE VENTS INTO ONE LINE BELOW ROOF STRUCTURE, OFFSET TO MISS PARAPET, AND RISE THRU ROOF.
11. DROP GAS LINE DOWN TO MAKE CONNECTION TO PUMP ENGINE, PROVIDE GAS COCK AND UNION IN DROP BELOW JOIST FOR SHUT-OFF DURING SERVICING OF ENGINES.
12. GAS LINE WITH 1 1/2\"/>

EQUIPMENT SCHEDULE

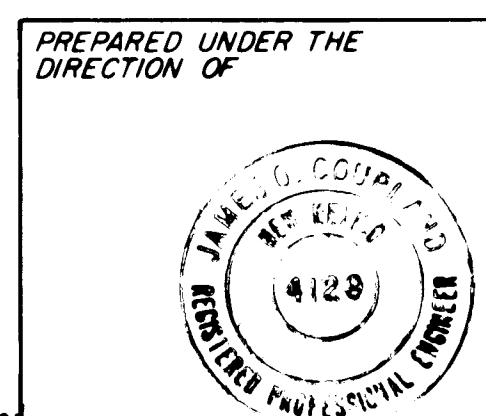
SYMBOL	DESCRIPTION
EC-1	EVAPORATIVE COOLER: DRIP TYPE EVAP. COOLER COMPLETE WITH CABINET, FILTER PAD FRAMES, BLOWER WHEEL, BLOWER HOUSING, WATER DISTRIBUTION TROUGH, BLOWER MOTOR, FLOAT VALVE, RECIRCULATING WATER PUMP AND ACCESSORIES REQUIRED FOR A COMPLETE OPERATING SYSTEM. THE CABINET SHALL BE CONSTRUCTED OF HEAVY GAUGE HOT DIPPED GALVANIZED STEEL WITH ALL SUPPORTS OF WELDED CONSTRUCTION. THE ENTIRE WATER RESERVOIR SHALL BE COATED WITH A PROTECTIVE ASPHALT COATING. COOLER EXTERIOR SHALL BE FINISHED WITH A FACTORY APPLIED ENAMEL FINISH. BLOWER MOTOR SHALL BE TWO SPEED. SPECIFICALLY DESIGNED FOR USE IN EVAPORATIVE COOLER APPLICATION WITH BEARINGS PERMANENTLY LUBRICATED AND SHALL BE FURNISHED WITH AN ADJUSTABLE SHEAVE. RECIRCULATING WATER PUMP SHALL HAVE PERMANENTLY LUBRICATED BRONZE BEARINGS, WATERPROOF INSULATION AND WATER SHIELD CAP. COMPLETE WITH SHEET METAL MOUNTING PANELS WITH NEOPRENE GASKETS AND CLIPS FOR INSTALLATION. MCGRAW EDISON MODEL ES 213A, 14000 CFM AT 0.4\"/>
EF-1	EXHAUST FAN: CENTRIFUGAL TYPE WITH SPUN ALUMINUM HOUSING, ALUMINUM CURB CAP, STAINLESS STEEL FASTENINGS, PRE-LUBRICATED BALL BEARING DRIVE, VIBRATION ISOLATORS, NON-OVERLOADING ALL ALUMINUM WHEEL AND HUB DYNAMICALLY AND STATISTICALLY BALANCED, BACKDRAFT DAMPER, BIRDSCREEN, DISCONNECT SWITCH, EXTERNAL ALUMINUM WIRING POST, PRE-FABRICATED CURBS AND WIRING TO J-BOX. ACME ENGINEERING MODEL PR100-6, 350 CFM AT 1/2\"/>
JH-1 THRU JH-3	GAS FIRED UNIT HEATER: HORIZONTAL AIR FLOW, PROPELLER TYPE, GAS FIRED UNIT HEATER COMPLETE WITH STEEL HEAT EXCHANGER, DIRECT DRIVE FAN, ADJUSTABLE HORIZONTAL LOUVERS, GAS CONTROLS, FAN AND LIMIT CONTROLS, FAN GUARDS, HANGING BRACKET KIT, ELECTRIC THERMOSTAT, AND ALL ACCESSORIES REQUIRED FOR A COMPLETE OPERATING UNIT. ALL MODEL NUMBERS ARE LISTED BELOW
SR-1	SUPPLY REGISTER: TUTTLE & BAILEY T-557 DOUBLE DEFLECTION DIFFUSER WITH INDIVIDUALLY ADJUSTABLE VANES, FRONT AND REAR, SET ON 3/4\"/>
L-1	LOUVER: EXTRUDED ALUMINUM CONSTRUCTION WITH HIGH DENSITY MINERAL WOOL FILLER, SIZE AS SHOWN ON DWGS.
BD-1	BAROMETER RELIEF DAMPERS: BLADES LINKED TYPE COUNTERBALANCED PARALLEL BLADE UNIT WITH 12 GAUGE STEEL FRAME, 0.063 ALUMINUM BLADES, ADJUSTABLE COUNTERWEIGHT, CADMIUM PLATED SHAFTS, BALL BEARINGS, AND NON-BINDING CORROSION RESISTANT HARDWARE. PROVIDED NEOPRENE BLADE EDGE SEALS. REFER TO PLANS FOR SIZES AND POSITIONING. DOWCO CORPORATION SERIES BRL-202 M.
F-1	FILTERS: AIRSAN TYPE W2-45 HIGH VELOCITY AIR FILTER, WITH HOLDING FRAME AND HOLDING CLIPS. SIZE AND NUMBER AS SHOWN ON PLANS.

FIXTURE SCHEDULE

SYMBOL	DESCRIPTION
WC	WATER CLOSET: CRANE "RADCLIFFE" 3-144 RIM FED, SIPHON JET, WHIRL POOL ACTION, ELONGATED RIM BOWL WITH SELF DRAINING JET, BOLT CAPS, VITREOUS CHINA TANK AND COVER WITH FLUSH VALVE, FLOAT VALVE WITH BACKFLOW PREVENTOR AND TRIP LEVER COVER LOCKING DEVICE, ANGLE SUPPLY WITH WHEEL HANDLE STOP, SOLID WHITE PLASTIC SEAT WITH OPEN FRONT, EXTENDED BACK AND CHECK HINGE, LESS COVER.
LAV	LAVATORY: CRANE "NORWICH" 1-194-V VITREOUS CHINA LAVATORY WITH BACK, RECTANGULAR BASIN, SPLASH LIP, FRONT OVERFLOW, TWO SOAP DEPRESSIONS, AND DRILLED FOR ZURN Z-1231 FLOOR SUPPORTED CARRIER WITH CONCEALED HANGERS AND LAVATORY ANCHORING SCREWS WITH CHICAGO FAUCET NO. 409-E12CW SLO-CLOSE FAUCET AND 8-5222 P.O. PLUG WITH PERFORATED STRAINER, 8-5001 ANGLE SUPPLY WITH LOOSE KEY ANGLE STOP AND FLEXIBLE RISERS, AND 8-5260 CAST BRASS ADJUSTABLE "IP" TRAP WITH CLEANOUT AND WASTE TO WALL, LAVATORY SIZE 20"x18".
FD	FLOOR DRAIN: JAY R. SMITH MANUFACTURING CO. MODEL NO. 2010-A REGULAR GRATE WITH DUCO CAST IRON BODY AND CHROME PLATED STAINLESS HEAD.
FD-1	FLOOR DRAIN: JAY R. SMITH MANUFACTURING CO. MODEL NO. 6050 WITH DUCO CAST IRON BODY AND LOOSE SET CHROME PLATED GRATE AND FRAME.
BY	BRICK VENT: ANDCO MODEL BB-6, OR APPROVED EQUAL. VENT SHALL BE SOLID CAST ALUMINUM, ACRYLIC COATED WITH ALUMINUM INSECT SCREEN.
TD	TOWEL DISPENSER: BRADLEY MODEL 251, OR APPROVED EQUAL, SURFACE MOUNTED, STAINLESS STEEL, 400 SINGLE-FOLD CAPACITY.
ST-1	SOUND TRAP: INDUSTRIAL ACOUSTICS COMPANY IN-DUCT NOISE ATTENUATOR MODEL SES, NOMINAL MODULE SIZE SHALL BE 24" x 48", SILENCER SHALL BE CONSTRUCTED OF 22 GAUGE GALVANIZED STEEL MINIMUM. UNIT SHALL BE CAPABLE OF PASSING 6000 CFM WITH A MAXIMUM PRESSURE DROP OF 0.20" WG. 2 SILENCERS INSTALLED.

RECORD DRAWING
AUG 1 1987

These drawings have been revised based on field data and every attempt has been made to depict construction as actually performed.



APPROVED FOR CONSTRUCTION

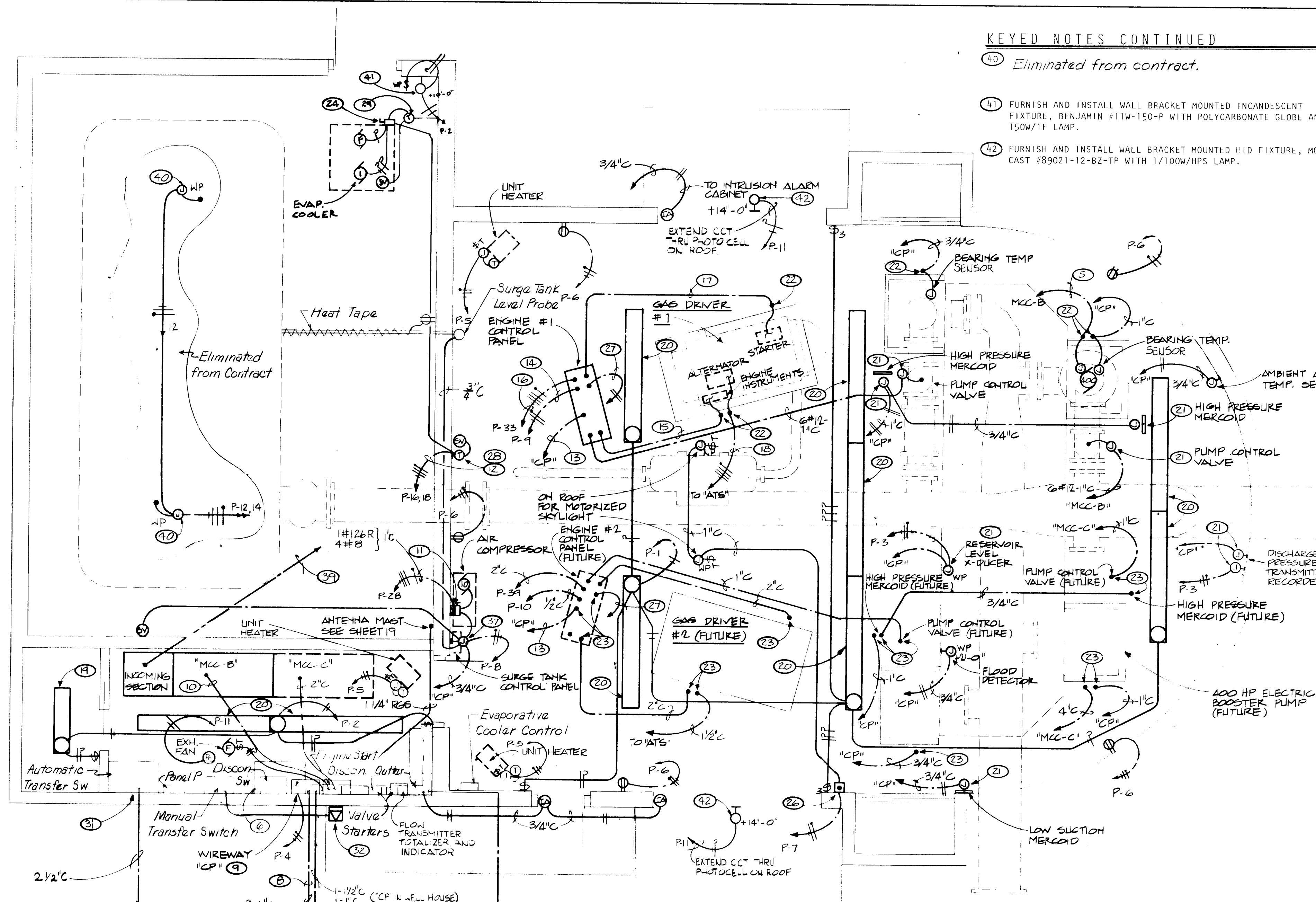
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: ATRISCO PUMP STATION MECHANICAL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		
DRAWING NO.			SHEET M-1 OF M-1		

KEYED NOTES CONTINUED

- (40) Eliminated from contract.
- (41) FURNISH AND INSTALL WALL BRACKET MOUNTED INCANDESCENT FIXTURE, BENJAMIN #11W-150-P WITH POLYCARBONATE GLOBE AND 150W/1F LAMP.
- (42) FURNISH AND INSTALL WALL BRACKET MOUNTED HID FIXTURE, MOLD CAST #89021-12-BZ-TP WITH 1/100W/HPS LAMP.

KEYED NOTES

- (1) RE-INFORCED CONCRETE PAD FOR METERING, SWITCH GEAR AND TRANSFORMER. PAD TO BE 8'-0" x 26'-0" x 8" THICK AND HAVE BLOCKOUTS AS REQUIRED BY PUBLIC SERVICE COMPANY OF N.M. VERIFY EXACT LOCATION WITH ARCH.
- (2) METERING TRANSCLUSURE PER PNM REQUIREMENTS.
- (3) PAD MOUNT 15 KV GANG OPERATED FUSIBLE SWITCH SEE SPECIFICATIONS.
- (4) 3#2-15KV SHIELDED CABLE IN 4" R.S. CONDUIT.
- (5) 3#4-5KV SHIELDED CABLE IN 4" R.S. CONDUIT.
- (6) DRY TYPE TRANSFORMER, FLOOR MOUNTED, KVA SIZE AS INDICATED ON PLANS, 4160 VOLT PRIMARY TO 208Y/120 VOLT, 3 PH, 4W SECONDARY, WITH 4-2 1/2% TAPS (2FCAN & 2 FCBN).
- (7) EXTEND 1" CONDUIT FROM KWH METER TO WIREWAY "CP". MAKE CONNECTIONS REQUIRED.
- (8) EXTEND 3/4" CONDUIT FROM GAS METER TO WIREWAY "CP". MAKE CONNECTIONS REQUIRED.
- (9) 6" x 6" x 4'-0" S.C. WIREWAY. INSTALL UP 8'-0" ABOVE FINISH FLOOR TO BOTTOM. ALL CONTROL AND INSTRUMENTATION CONDUITS & CONDUCTORS TO TERMINATE AT THIS WIREWAY ON TERMINAL STRIPS AND LABELLED.
- (10) INSTALL 2" CONDUIT BETWEEN WIREWAY "CP" AND WELL PUMP STARTER. INSTALL 16-14 CONDUCTORS. VERIFY CONNECTIONS REQUIRED AND LABEL ALL UNUSED CONDUCTORS AS SPARES.
- (11) COMBINATION FUSED DISCONNECT SWITCH/MAGNETIC MOTOR STARTER. NEMA SIZE 2, 208 VOLT, 3 PH, IN A NEMA 1 ENCLOSURE, COIL TO BE 120 VOLT. STARTER TO HAVE "OFF-AUTO" SWITCH IN COVER AND AUX. CONTACTS AS REQUIRED.
- (12) EXTEND TO CIRCUIT INDICATED THRU EVAPORATIVE COOLER CONTROLS. SEE EVAPORATIVE COOLER CONTROL DIAGRAM.
- (13) 2" CONDUIT FROM ENGINE CONTROL PANEL TO WIREWAY "CP".
- (14) 2#10 & 1#12 (GROUND) IN 1/2" CONDUIT. (ENGINE CONTROL POWER).
- (15) 2#14 AND 4#10 IN 2" CONDUIT (ENGINE INSTRUMENTATION & CONTROL).
- (16) 4#1/0 THW + 1#6 (GROUND) IN 2" CONDUIT (STARTER AC POWER).
- (17) 2#4/0 (DC WELDING) IN 2" CONDUIT (STARTER DC POWER).
- (18) 4#2 THW + 1#8 (GROUND) IN 1-1/2" CONDUIT.
- (19) FURNISH AND INSTALL 4" INDUSTRIAL LIGHTING FIXTURE WITH 2/F40/CW LAMPS, LAMP GUARD AND END CAPS SURFACE MOUNTED. FIXTURE TO BE BENJAMIN #FL-1024-40/FL-173.
- (20) FURNISH AND INSTALL 8" INDUSTRIAL LIGHTING FIXTURE WITH 2/F96/T12HO LAMPS, LAMP GUARD AND END CAPS SURFACE MOUNTED. FIXTURE TO BE BENJAMIN #FL-1025-80/FL-173.
- (21) INSTALL WP J-BOX AT HEIGHT REQUIRED TO CONNECTION TO EQUIPMENT. FINAL CONNECTION TO BE MADE USING LIQUID TIGHT FLEX CONDUIT. VERIFY REQUIREMENTS & LOCATION IN FIELD.
- (22) STUB RIGID CONDUIT 6" ABOVE FLOOR SLAB. INSTALL THREADED COUPLING, AND EXTEND LIQUID TIGHT FLEX CONDUIT TO FINAL CONNECTION.
- (23) STUB RIGID CONDUIT FLUSH WITH FINISH FLOOR. INSTALL THREADED COUPLING WITH PLUG FOR FUTURE EXTENSION TO EQUIPMENT.
- (24) 30A/3P+SN, 250 VOLT, NEMA 3R FUSIBLE DISCONNECT SWITCH. FUSE ONE POLE FOR FAN "HI" SPEED, ONE POLE FOR FAN "LO" SPEED AND ONE POLE FOR PUMP. FUSES TO BE BUSS FRN. SIZE = 125% FLA.
- (25) NOT USED
- (26) PUSH BUTTON STATION FOR CONTROL OF MOTORIZED SKYLIGHT, FURNISHED BY OTHERS, CONNECTED BY ELEC. CONTRACTOR.
- (27) EXTEND TO EVAP. COOLER CONTROLS.
- (28) LINE VOLTAGE T-STAT CLOSE-ON-RISE, SET FOR 80 DEG. F.
- (29) LINE VOLTAGE T-STAT OPEN-ON-RISE, SET FOR 40 DEG. F. INSTALL IN WP ENCLOSURE. SEE "EVAP COOLER CONTROL DIAGRAM"
- (30) STUB CONDUIT DOWN TO 8'-0" ABOVE FIN FLOOR AND BUSH. (FOR ANTENNA COAX-RGB/U).
- (31) 400 AMP, 3P+SN, 250 VOLT NEMA 1 FUSIBLE DISCONNECT SWITCH. FUSE WITH BUSS FRN-250 AMP FUSES. LABEL SWITCH "WELL HOUSE MAIN".
- (32) GENERATOR RECEPTACLE-INSTALL UP 36". SEE POWER RISER DIAGRAM FOR REQUIREMENTS.
- (33) BOND STRUCTURAL STEEL (RE-BAR, ETC.) TO COUNTERPOISE. (TYP).
- (34) CONNECT ELECTRICAL SERVICE GROUND TO BUILDING COUNTERPOISE.
- (35) BOND MECHANICAL EQUIPMENT AND PIPING TO COUNTERPOISE.
- (36) EXTEND DOWN CONDUCTOR FROM AIR TERMINAL LOOP AT COUNTERPOISE. (TYP.)
- (37) 6"x6"x4" S.C. J-BOX FOR CONNECTION OF CONTROL CONDUCTORS OF SURGE TANK AND AIR COMPRESSOR. VERIFY CONTROL REQUIREMENTS WITH CONTROL SPEC AND AIR COMPRESSOR MANUFACTURERS RECOMMENDATIONS.
- (38) VALVE MOTOR STARTERS. SEE "VALVE CONTROL DIAGRAM" SHEET E2 FOR DETAILS.
- (39) 3#2 15 KV SHIELDED CABLE IN 4" R.S. CONDUIT, TO PAD MOUNT TRANSFORMER.

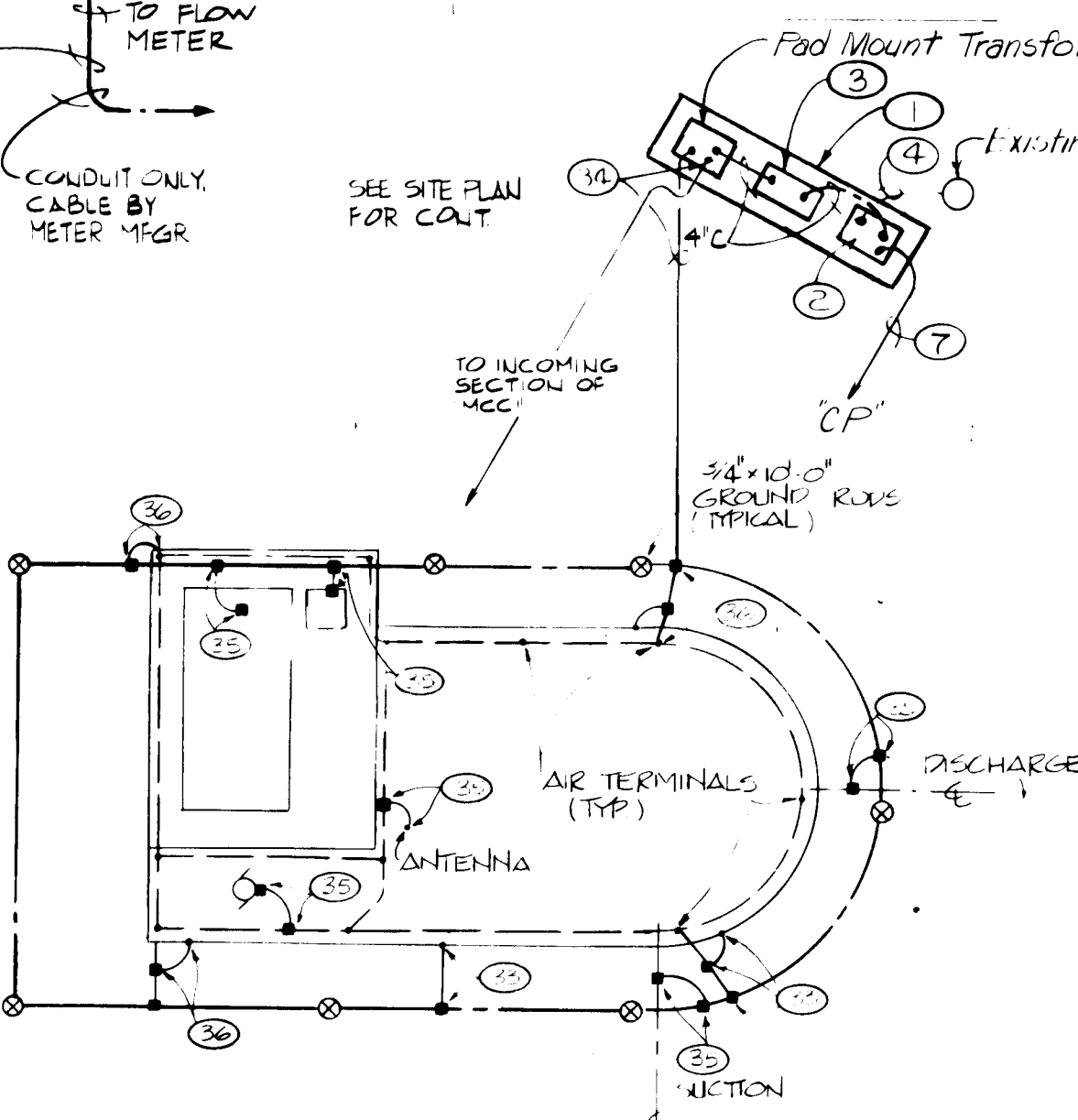


LIGHTING PROTECTION NOTES

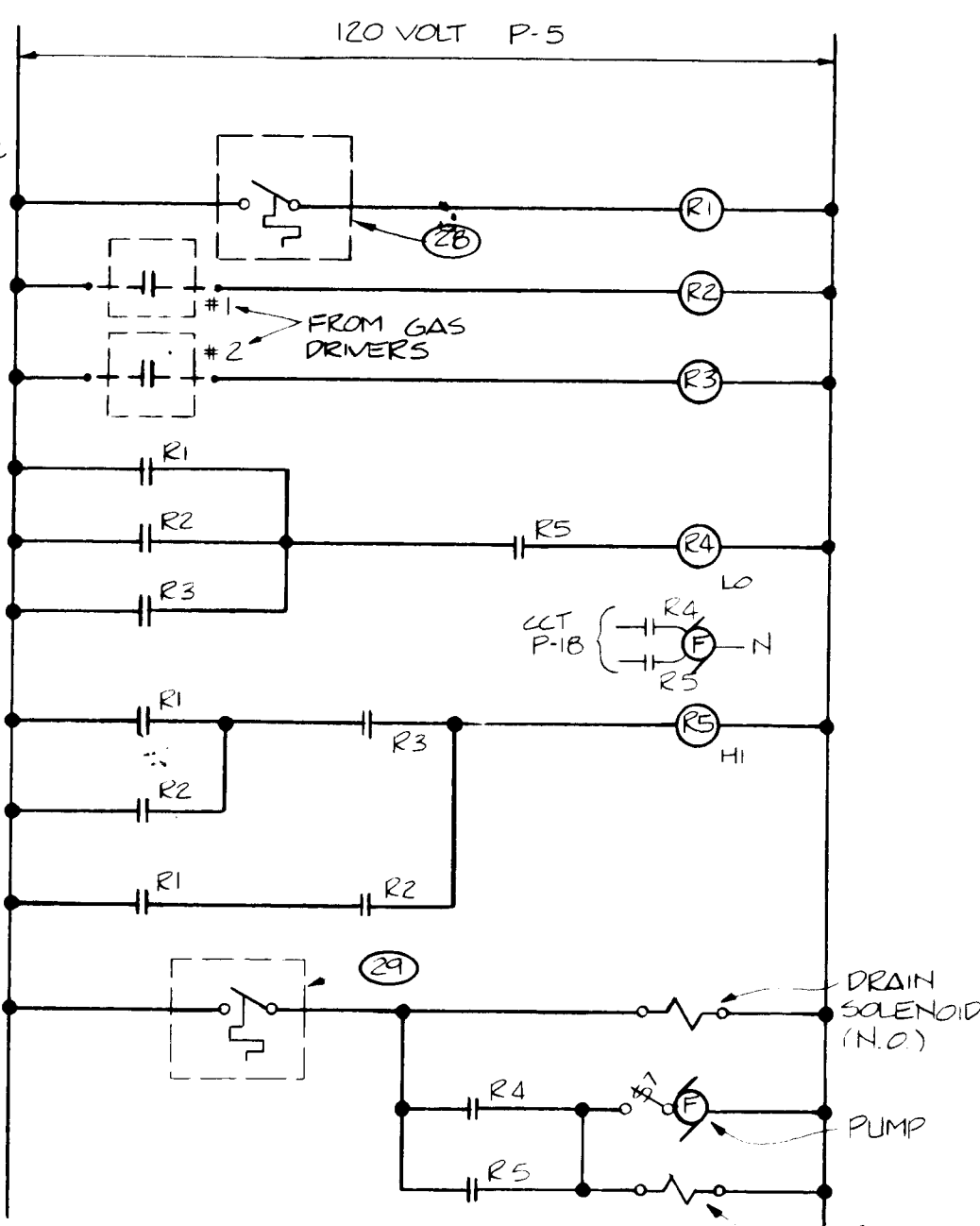
1. ALL GROUNDING CONDUCTORS TO BE 1/0 COPPER.
2. GROUND ROSS TO BE 3/4" O x 10'-0" LONG COPPER CLAD.
3. ALL CONDUCTOR CONNECTIONS TO BE MADE USING CADWELL PROCESS.
4. ENTIRE LIGHTING PROTECTION AND COUNTERPOISE SYSTEM TO MEET U.L. MASTER LABEL "C" REQUIREMENTS. FURNISH SUBMITTAL SHOWING COMPLETE AND DETAILED PROTECTION PLAN. SYSTEM TO BE AS MANUFACTURED BY ROBINS, THOMPSON OR EQUAL.

RECORD DRAWING
1983

These drawings were prepared based on field data and a reasonable attempt has been made to depict construction as actually performed.

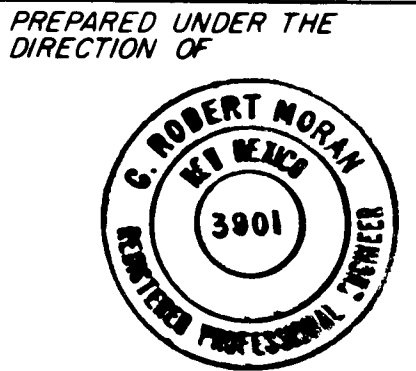


LIGHTNING PROTECTION PLAN
SCALE: 1" = 20'-0"



EVAP COOLER CONTROL
DIAGRAM

PROJECT NO 1687.11

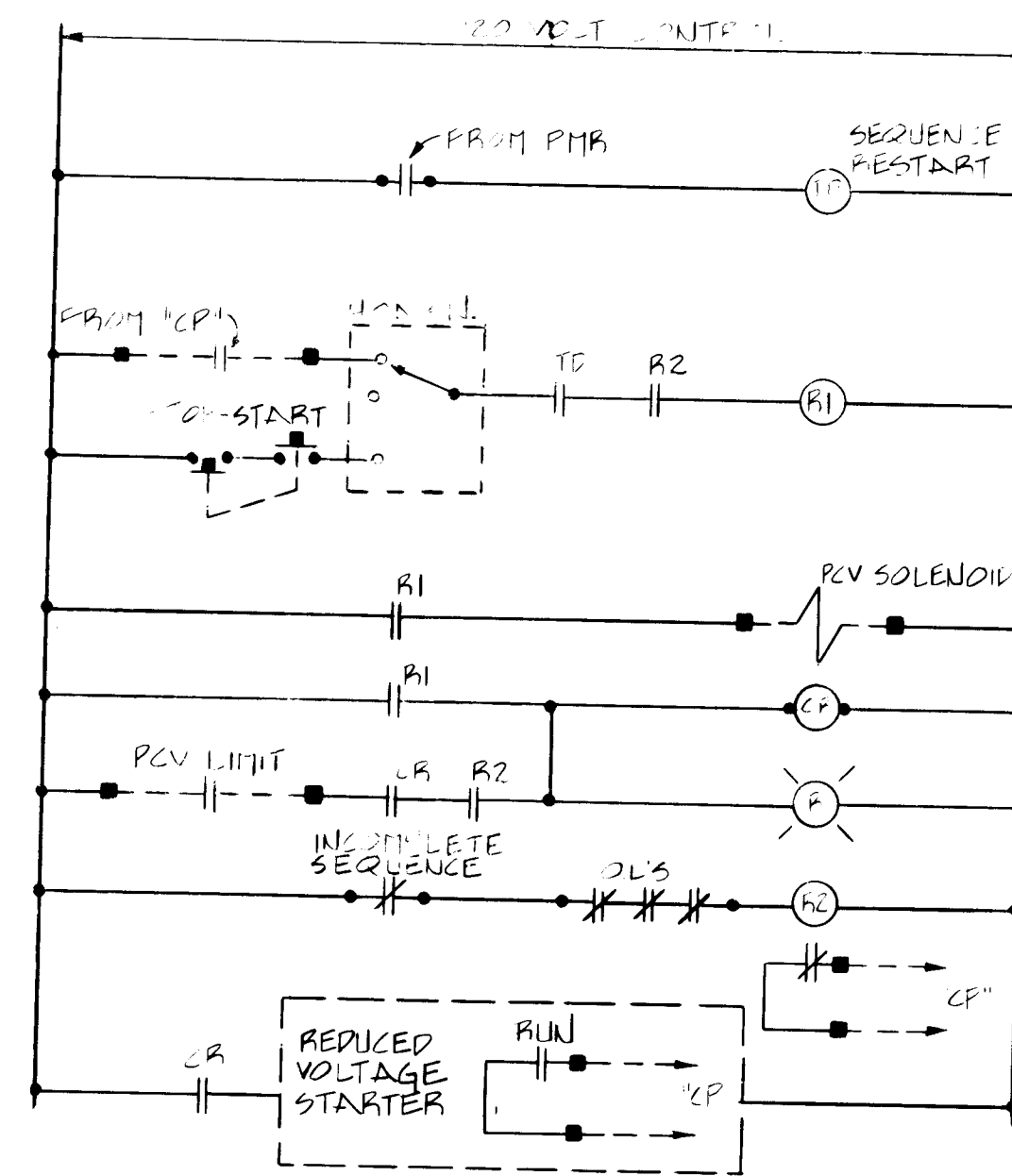
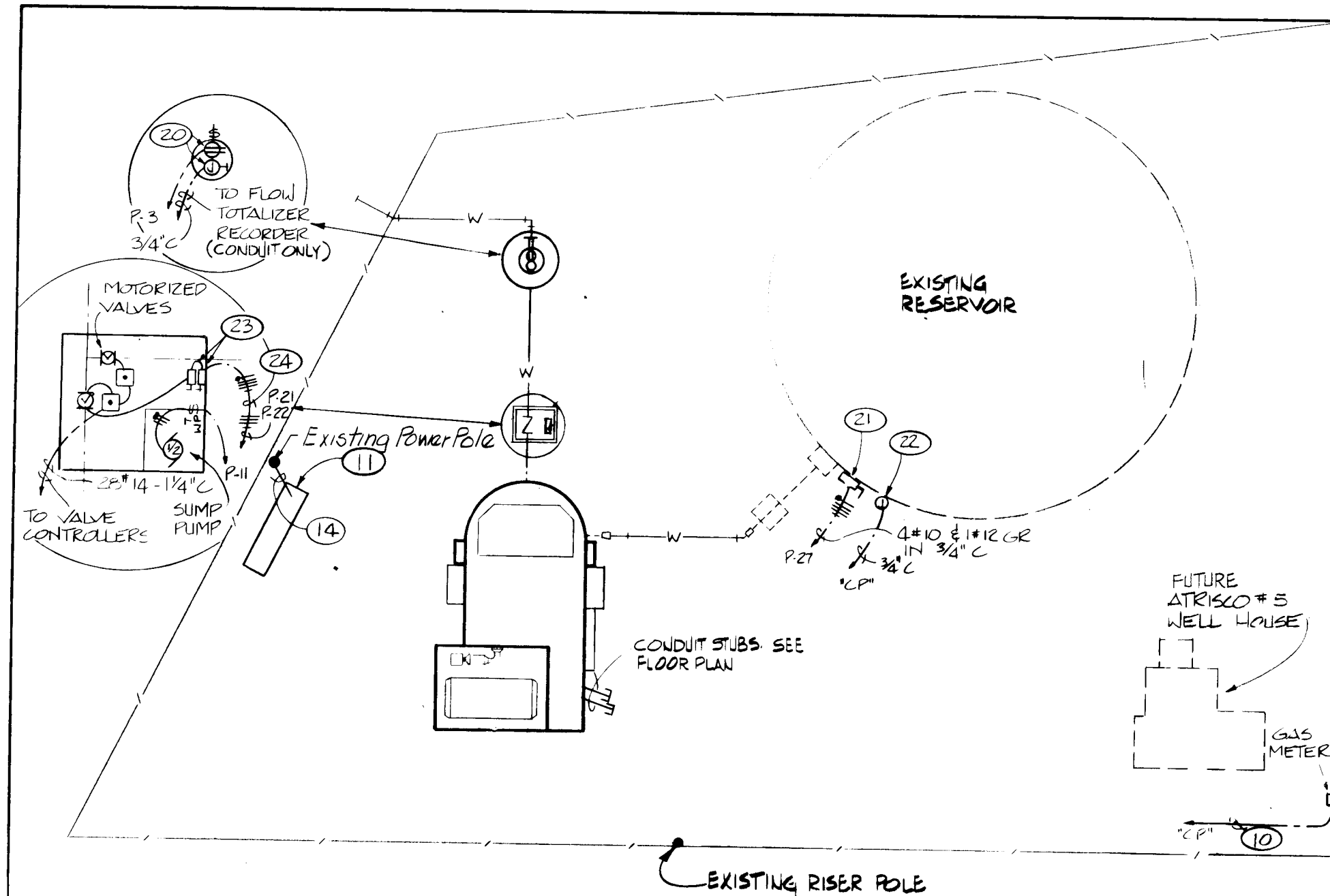


APPROVED FOR
CONSTRUCTION

CITY ENGINEER DATE

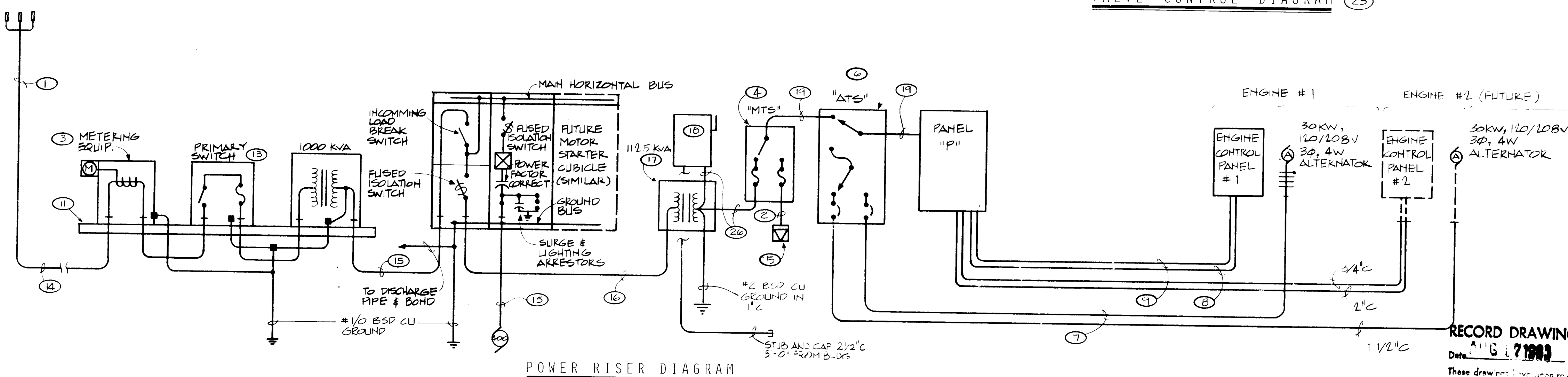
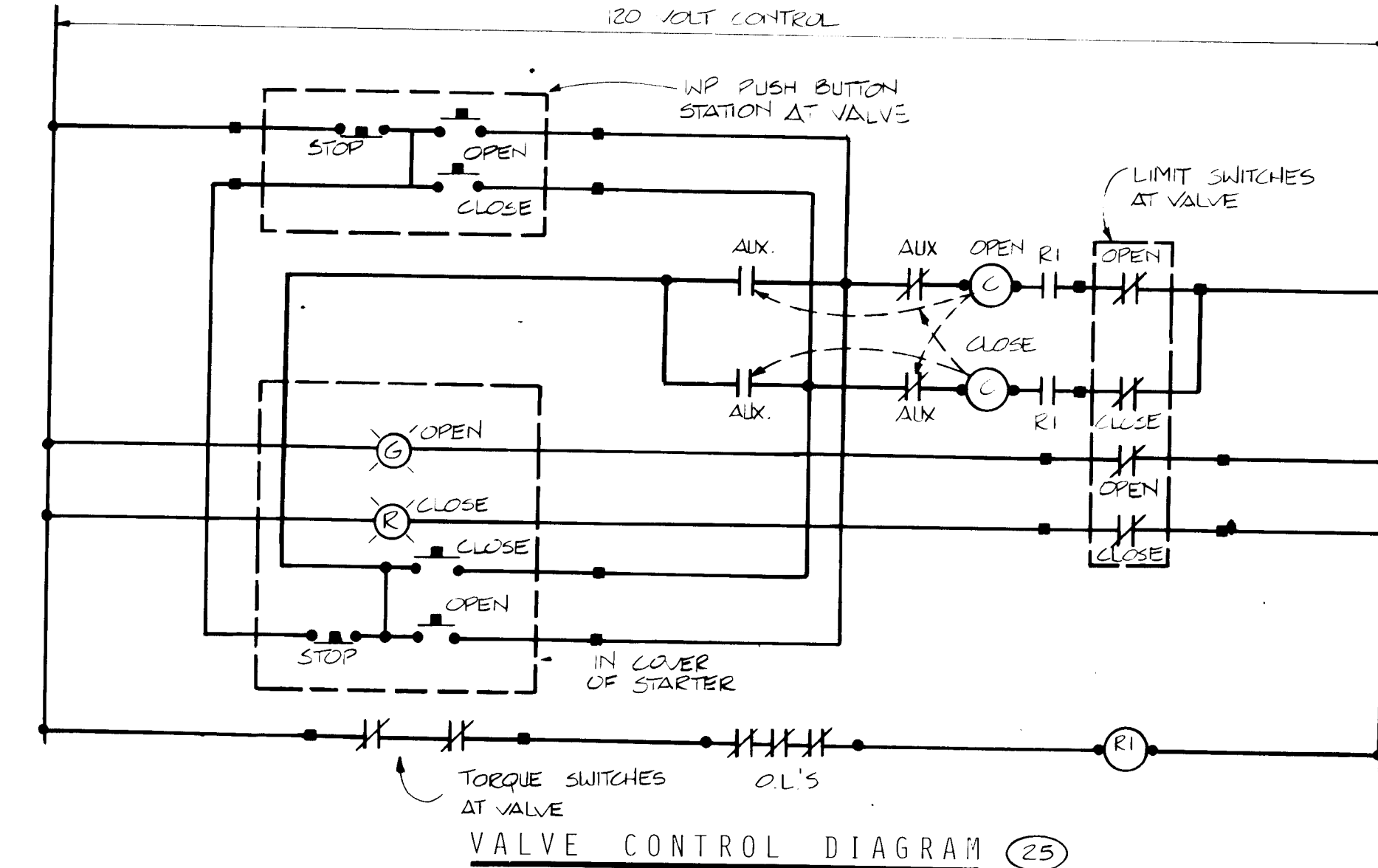
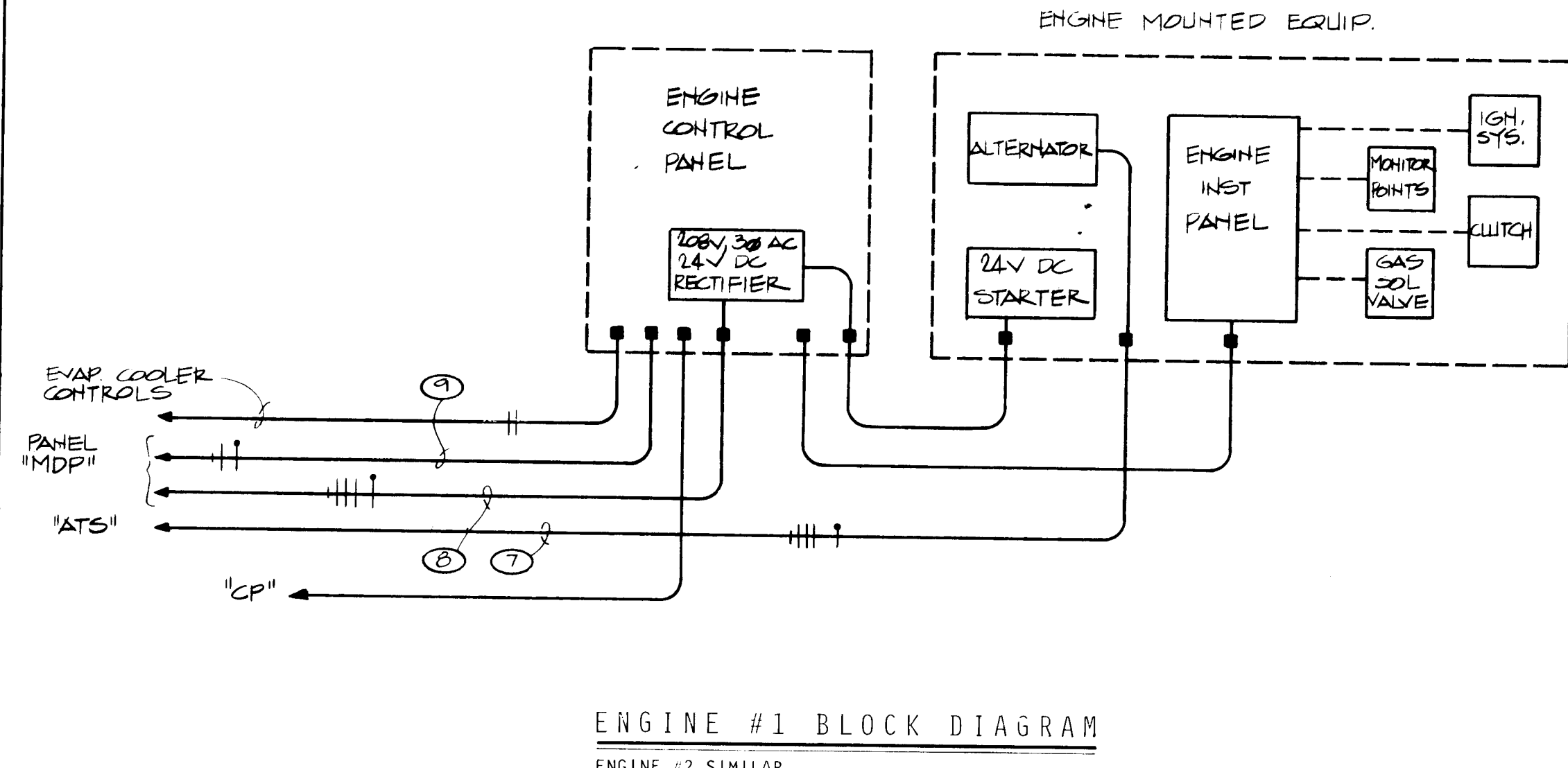
CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: ATRISCO PUMP STATION ELECTRICAL PLAN AND DIAGRAM					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DRAWING NO.			SHEET E-1 OF E-2		

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
24 1687.11 E18A

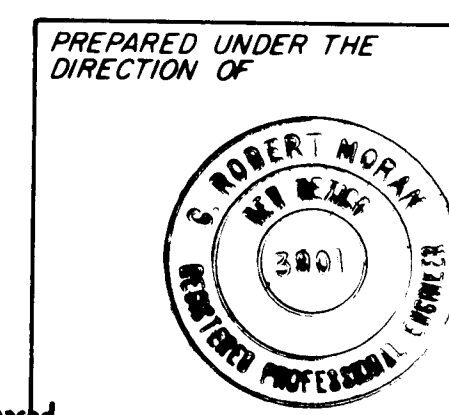


SYMBOL LEGEND	
SYMBOL	DESCRIPTION
⊙	OUTLET AND BRACKET MOUNTED FIXTURE.
□	OUTLET AND FLUORESCENT FIXTURE.
⊕	SINGLE POLE WALL SWITCH, UP 52".
⊕	THREE WAY WALL SWITCH.
⊕	THERMAL OVERLOAD SWITCH WEATHERPROOF IF INSTALLED OUTSIDE
⊕	JUNCTION BOX FLUSH IN WALL - HEIGHT AS NOTED OR REQUIRED WITH CONNECTION TO EQUIPMENT.
⊕	DUPLEX CONVENIENCE OUTLET, UP 12" OR AS NOTED, WP DENOTES WEATHERPROOF.
⊕	THERMOSTAT, UP 5'-6". LINE VOLTAGE, CLOSE ON RISE, 60°-90° RANGE
⊕	SPECIAL CABINET, TELEPHONE TYPE OR AS NOTED.
⊕	ELECTRIC PANEL - SEE SCHEDULE.
⊕	MOTOR CONNECTION WITH H.P. INDICATED.
⊕	MOTOR CONTROLLER SIZE AND POLES FOR MOTOR FURNISHED.
⊕	SAFETY SWITCH, SWITCH TO HAVE NUMBER OF POLES AND RATING REQUIRED. SWITCH TO BE A NEMA 3R IF INSTALLED OUTDOORS.
⊕	BRANCH CIRCUIT ON WALLS OR CEILING WITH CONDUCTORS INDICATED.
⊕	BRANCH CIRCUIT IN WALLS OR UNDER FLOOR WITH CONDUCTORS INDICATED.
⊕	HOME RUN TO PANEL WITH BRANCH CIRCUIT NUMBERS INDICATED.
⊕	PHOTOCCELL LIGHTING CONTROLLER, PRECISION #T-15 MOUNTED ON 1/2" RIGID CONDUIT STUBBED 12" ABOVE ROOF WITH WINDOW FACING NORTH.
⊕	PUSH BUTTON STATION, NEMA 4 (WATERTIGHT) "OPEN-CLOSE-STOP" MOMENTARY ACTION. SQ "MD" #SKY-303.

- KEYED NOTES**
- EXTEND 4" RIGID UP RISER POLE WITH ALL STAND OF BRACKETS, POTHEADS ETC. PER PUBLIC SERVICE CO. REQUIREMENTS.
 - 3"3/8 THW IN 2" CONDUIT & #4 GR.
 - FURNISH AND INSTALL METERING EQUIP. AS INDICATED IN SPECIFICATIONS.
 - MANUAL TRANSFER SWITCH, 400 AMP, 3 POLE + SN AND GROUND LUG, 250 VOLT FUSIBLE. FUSE UTILITY SIDE AT 250 AMPS AND RECEPTACLE SIDE AT 200 AMPS. WESTINGHOUSE XF-325 OR EQUAL.
 - GENERATOR RECEPTACLE, 200 AMP, 250 VOLT 5 POLE 5 WIRE GROUNDING THRU HOUSING. RUSSELL & STOLL #JRSA204F. NO SUBSTITUTIONS
 - AUTOMATIC TRANSFER SWITCH (THREE SOURCE). SEE SPECIFICATIONS FOR DETAILS.
 - 4#2 THW + 1#8 (GROUND) IN 1-1/2" CONDUIT.
 - 4#1/0 THW + 1#6 (GROUND) IN 2" CONDUIT (STARTER POWER).
 - 2#10 & 1#12 (GROUND) IN 3/4" CONDUIT. (CONTROLS POWER)
 - EXTEND 3/4" CONDUIT FROM GAS METER TO WIREWAY "CP". MAKE CONNECTIONS REQUIRED
 - RE-INFORCED CONCRETE PAD FOR METERING, SWITCH GEAR AND TRANSFORMER. PAD TO BE 8'-0" x 26'-0" x 8" THICK AND HAVE BLOCKOUTS AS REQUIRED BY PUBLIC SERVICE COMPANY OF N.M. VERIFY EXACT LOCATION WITH ARCH.
 - NOT USED.
 - PAD MOUNT 15 KV GANG OPERATED FUSIBLE SWITCH SEE SPECIFICATIONS.
 - 3#2-15KV SHIELDED CABLE IN 4" R.S. CONDUIT.
 - 3#4-5KV SHIELDED CABLE IN 4" R.S. CONDUIT.
 - 3#6-5KV SHIELDED IN 2" R.S. CONDUIT < 1"6 GR.
 - DRY TYPE TRANSFORMER, FLOOR MOUNTED, KVA SIZE AS INDICATED ON PLANS, 4160 VOLT PRIMARY TO 208Y/120 VOLT, 3 PH, 4W SECONDARY, WITH 4-2 1/2" TAPS (2FCAN & 2 FCBN).
 - 400 AMP, 3P+SN, 250 VOLT NEMA 1 FUSIBLE DISCONNECT SWITCH. FUSE WITH BUSS FRN-250 AMP FUSES. LABEL "WELL HOUSE MAIN".
 - 4"1/0 & 1"6 GR. IN 2" CONDUIT.
 - INSTALL WP RECEPTACLE AND J-BOX IN METER PIT.
 - 30A, 3P+SN, 250 VOLT, NEMA 3R NON-FUSED DISCONNECT SWITCH. VERIFY LOCATION IN FIELD.
 - WP J-BOX FOR EXTENSION OF LEVEL PROBE CONDUCTORS TO WIREWAY CP. VERIFY LOCATION IN FIELD.
 - 30A, 3P+SN, 250 VOLT, NEMA 6 NON FUSED DISCONNECT SWITCH.
 - EXTEND TO CIRCUITS INDICATED THRU VALVE STARTERS IN STATION. SEE VALVE CONTROL DIAGRAM THIS SHEET.
 - FURNISH AND INSTALL TWO MAGNETIC REVERSING MOTOR STARTERS, 208 VOLT, 3 PH, WITH 120 VOLT COILS. FURNISH "OPEN-CLOSE-STOP" PUSH BUTTONS AND RED & GREEN PILOT LIGHT IN COVER, NEMA SIZE 1 IN NEMA 1 ENCLOSURE.
- 26 4-250 MCM & 1"2 GR IN 2" CONDUIT



PANEL SCHEDULE			
PANEL "P" 120/208 VOLT, 3Ø, 4 WIRE 250 AMP MB, 400A ML, SURFACE MOUNT, BOTTOM FEED, GROUND BAR.			
CIRCUIT NO.	WIRE SIZE	CCT. BKR.	LOAD
1 THRU 17	#12	20A/1P	LTG. RECEPT. CONTROLS, SPARES
18	#8	40A/1P	EVAP COOLER
21, 22	#10	20A/1P	MOTORIZED VALVES
27	#10	20A/3P	CATHODIC PROTECTION
28	#8	60A/3P	SURGE TANK COMPRESSOR
33, 39	#1/0	150A/3P	GAS DRIVER STARTERS



26 1687.11 E28A

RECORD DRAWING
Date: AUG 1 1989
These drawings were prepared based on field data and every reasonable attempt has been made to depict construction actually performed.

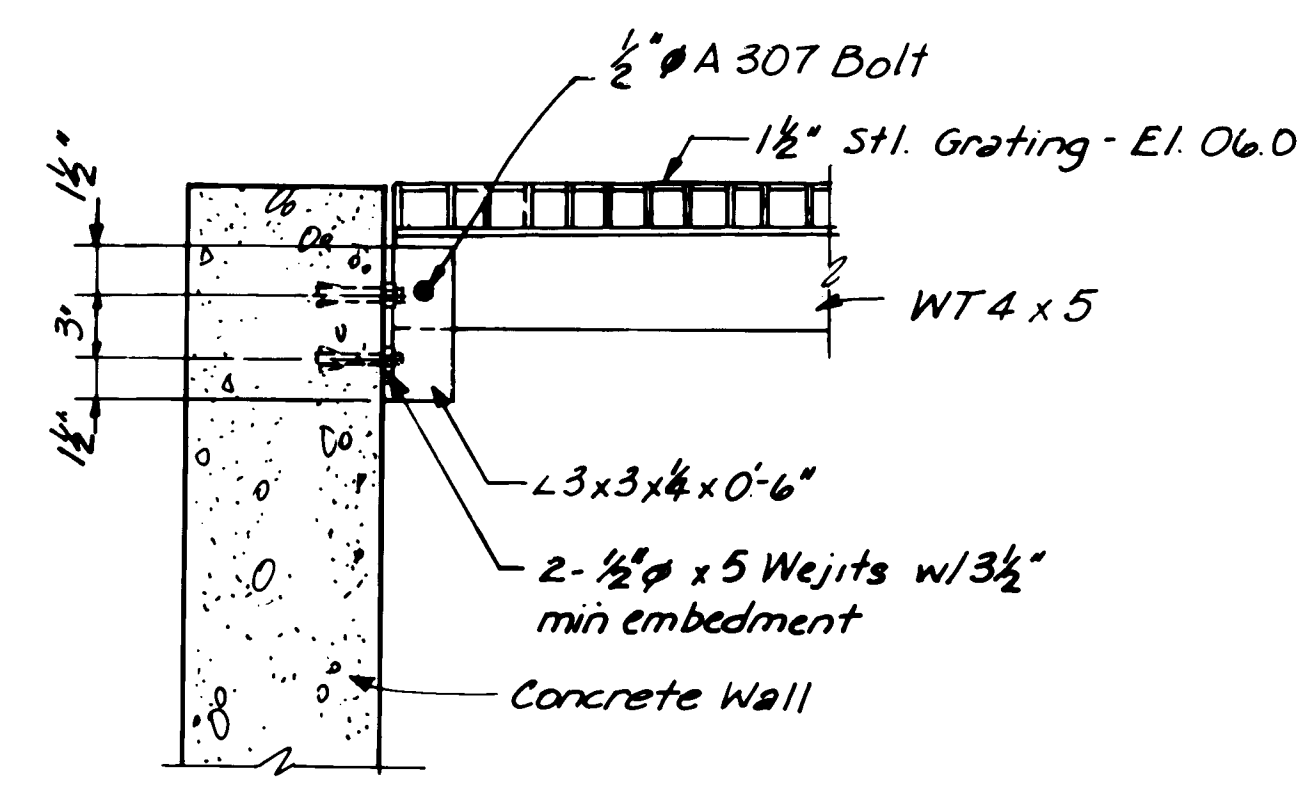
APPROVED FOR CONSTRUCTION
CITY ENGINEER: _____ DATE: _____

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION
TITLE: ATRISCO PUMP STATION ELECTRICAL SCHEDULE AND DETAILS

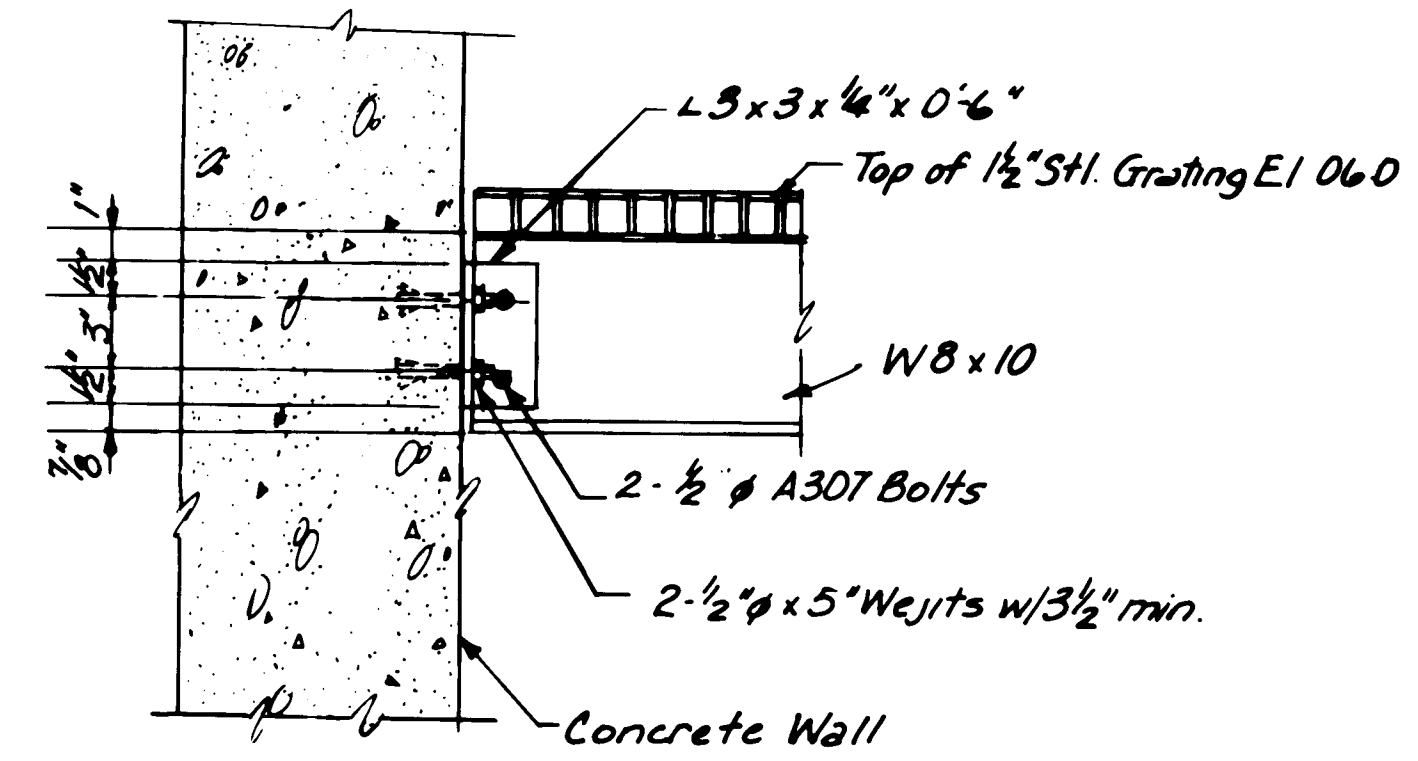
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E - Hydrology			Water		

DESIGNED BY: _____ DATE: _____
DRAWN BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

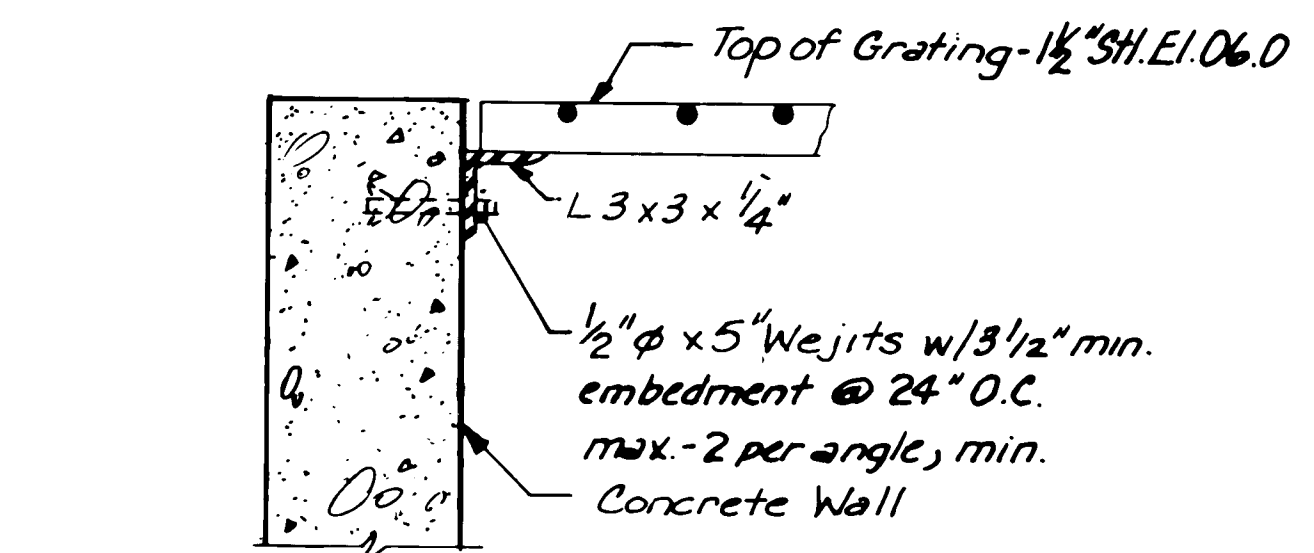
SHEET E-2 OF E-2



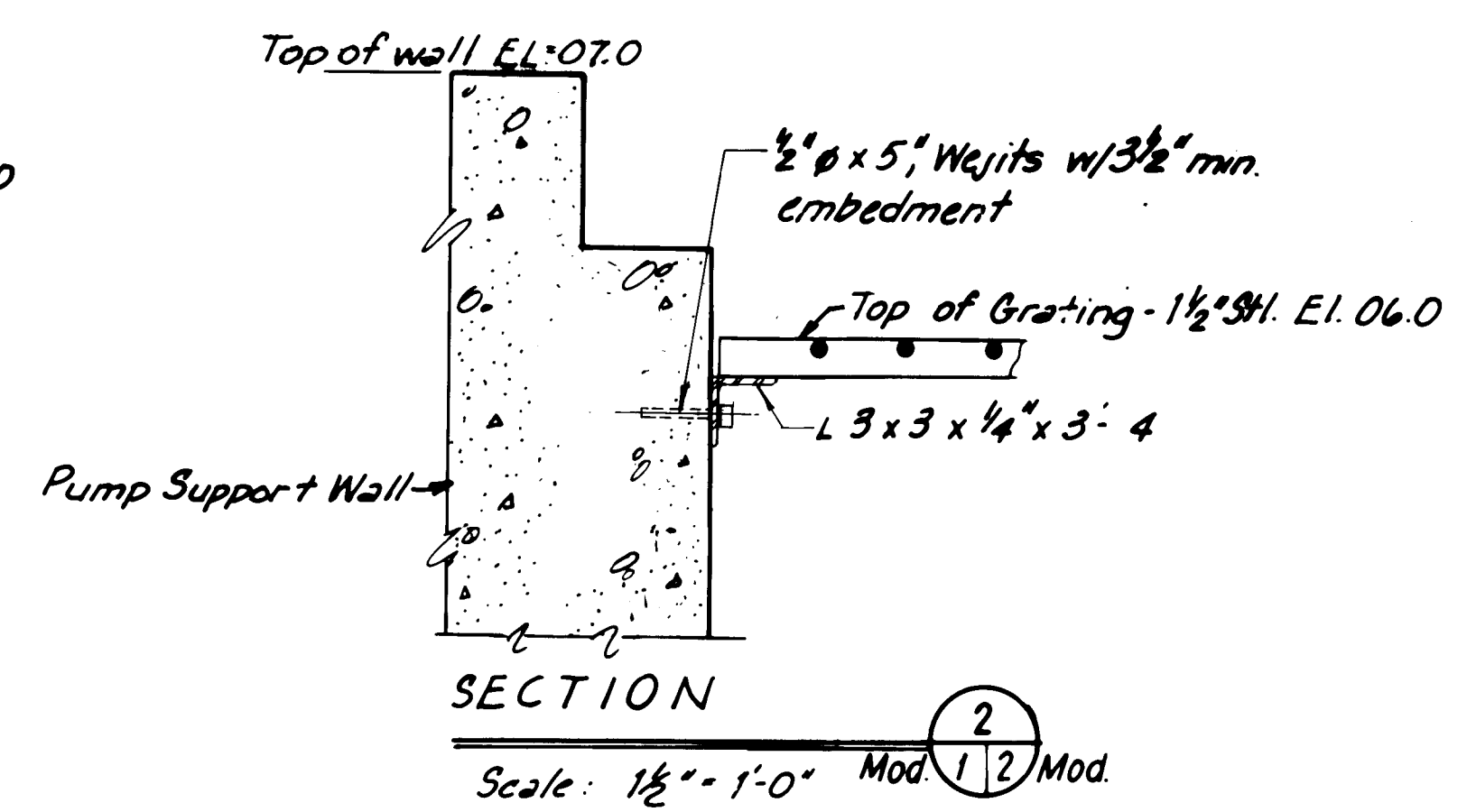
TYP-DETAIL 'A' FOR WT4x5
CONNECTION -
Scale 1 1/2" = 1'-0"



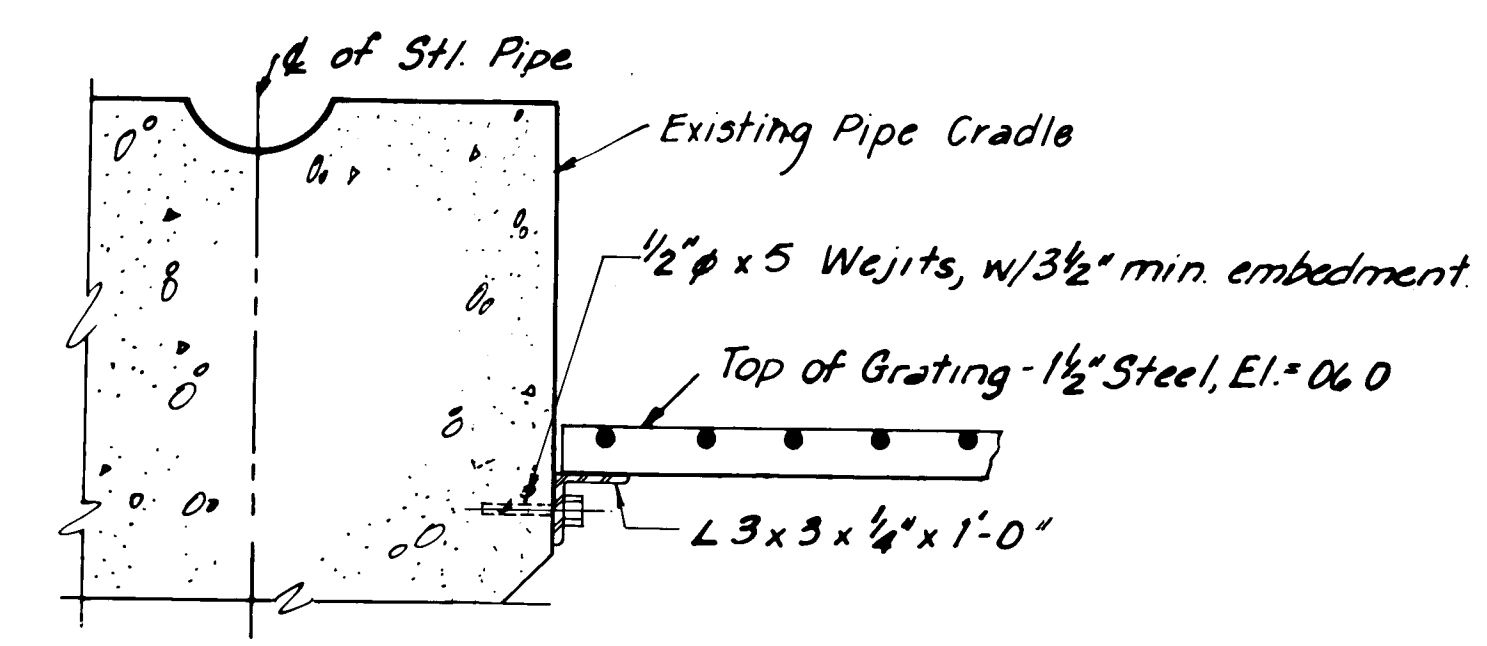
TYP-DETAIL 'B' FOR W8x10
CONNECTION
Scale: 1 1/2" = 1'-0"



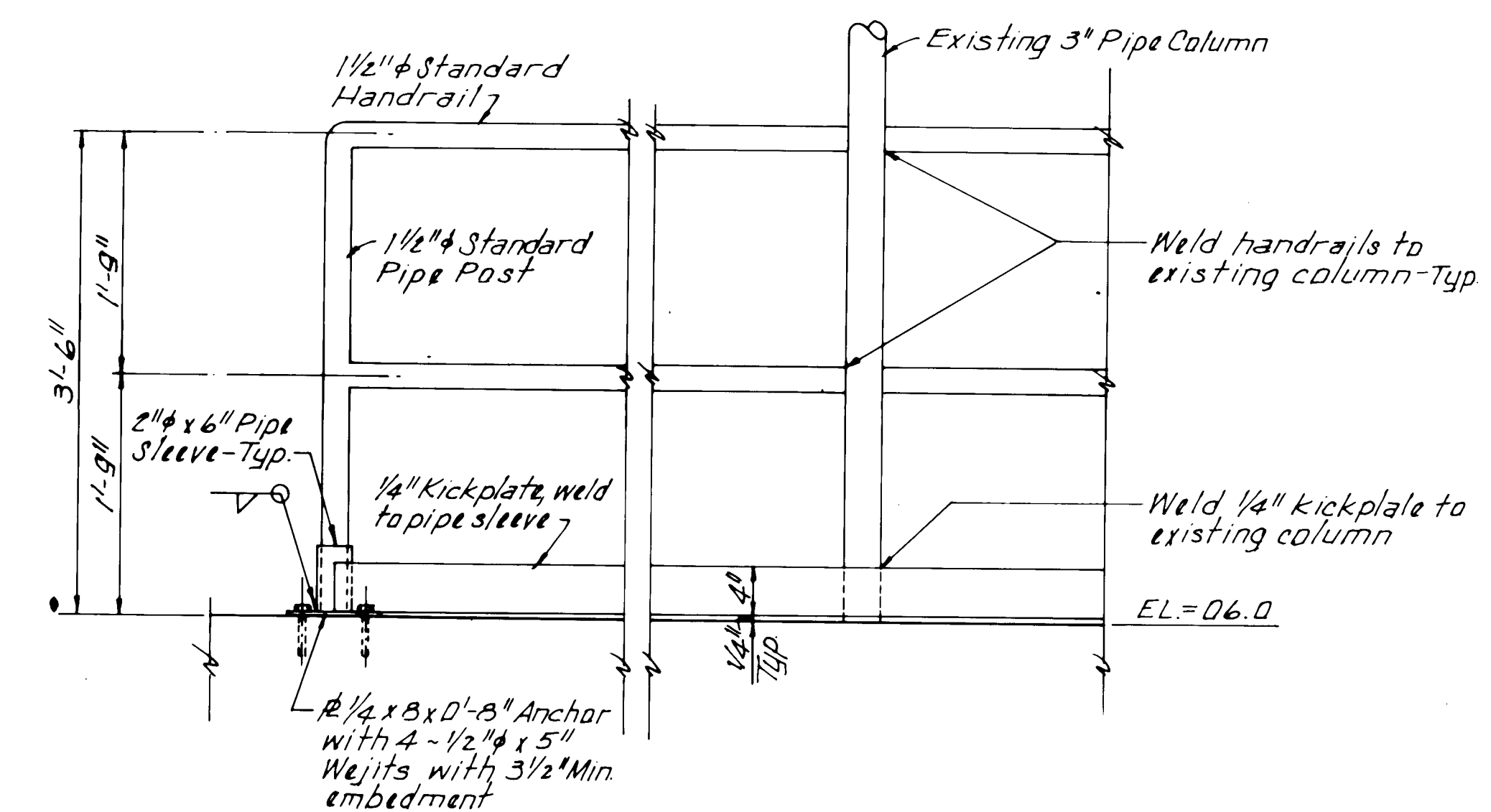
SECTION FOR EAST & WEST
PUMP PIT WALLS - TYP. 1
Scale: 1 1/2" = 1'-0" Mod 1/2 Mod.



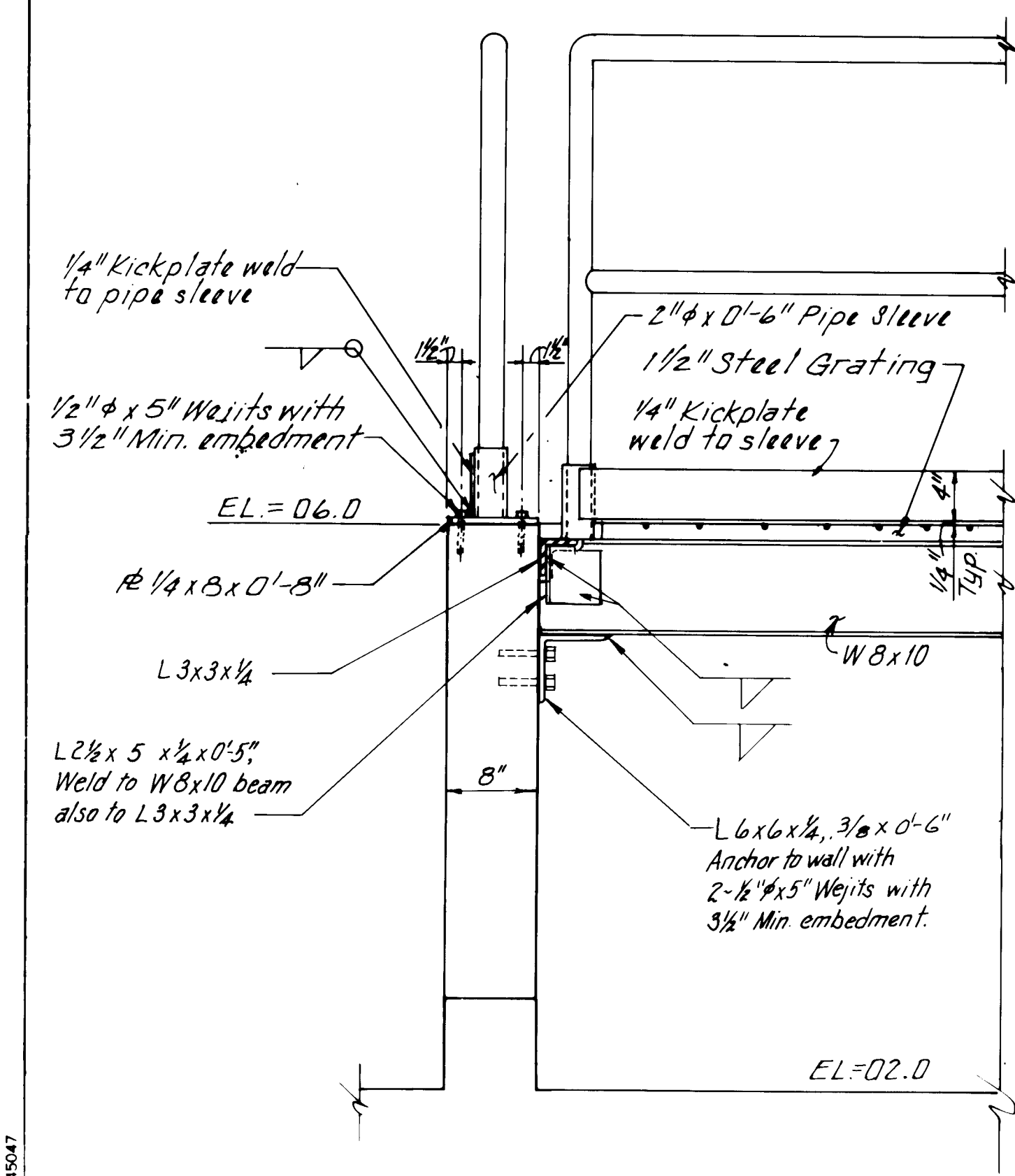
SECTION 2
Scale: 1 1/2" = 1'-0" Mod 1/2 Mod.



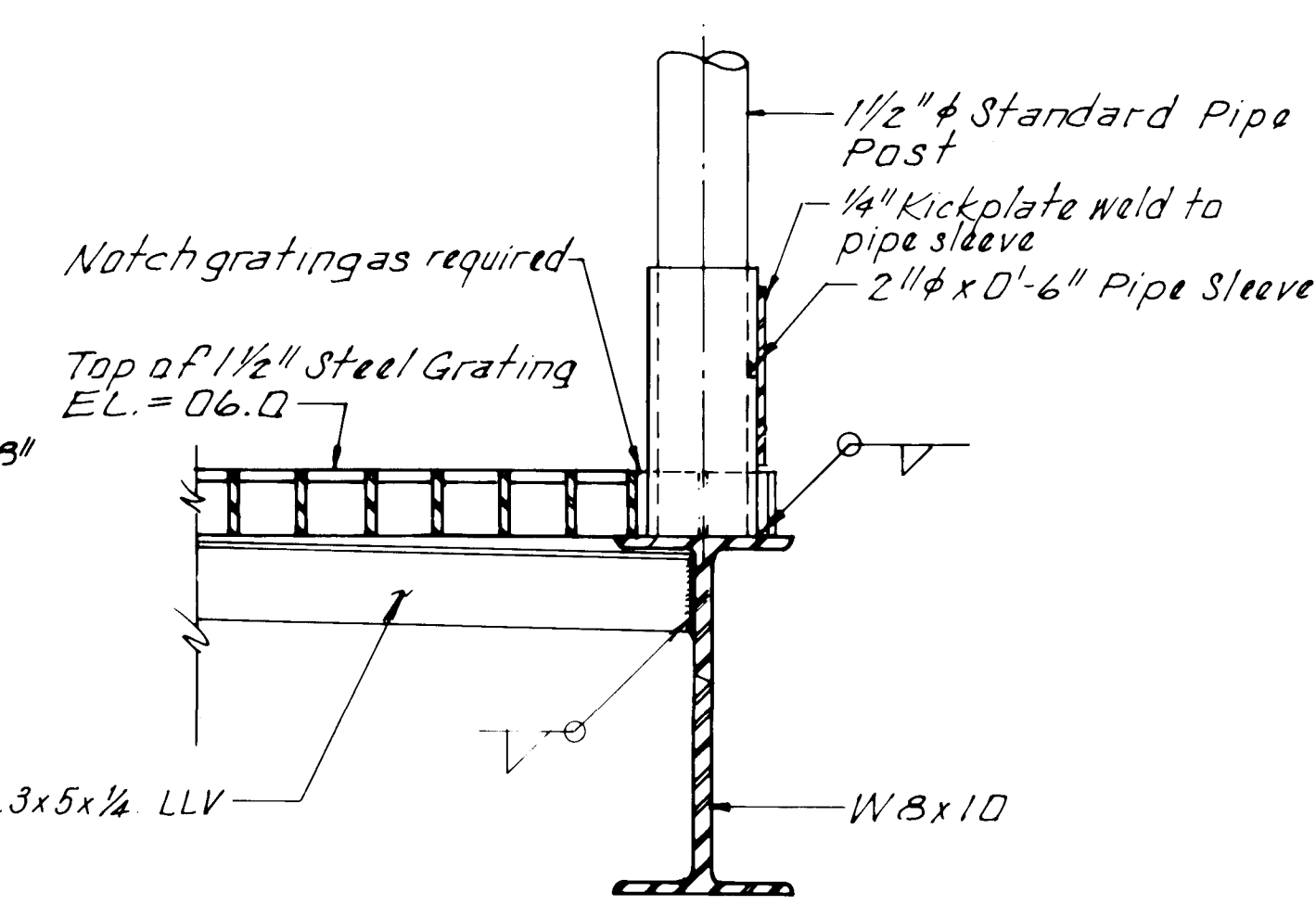
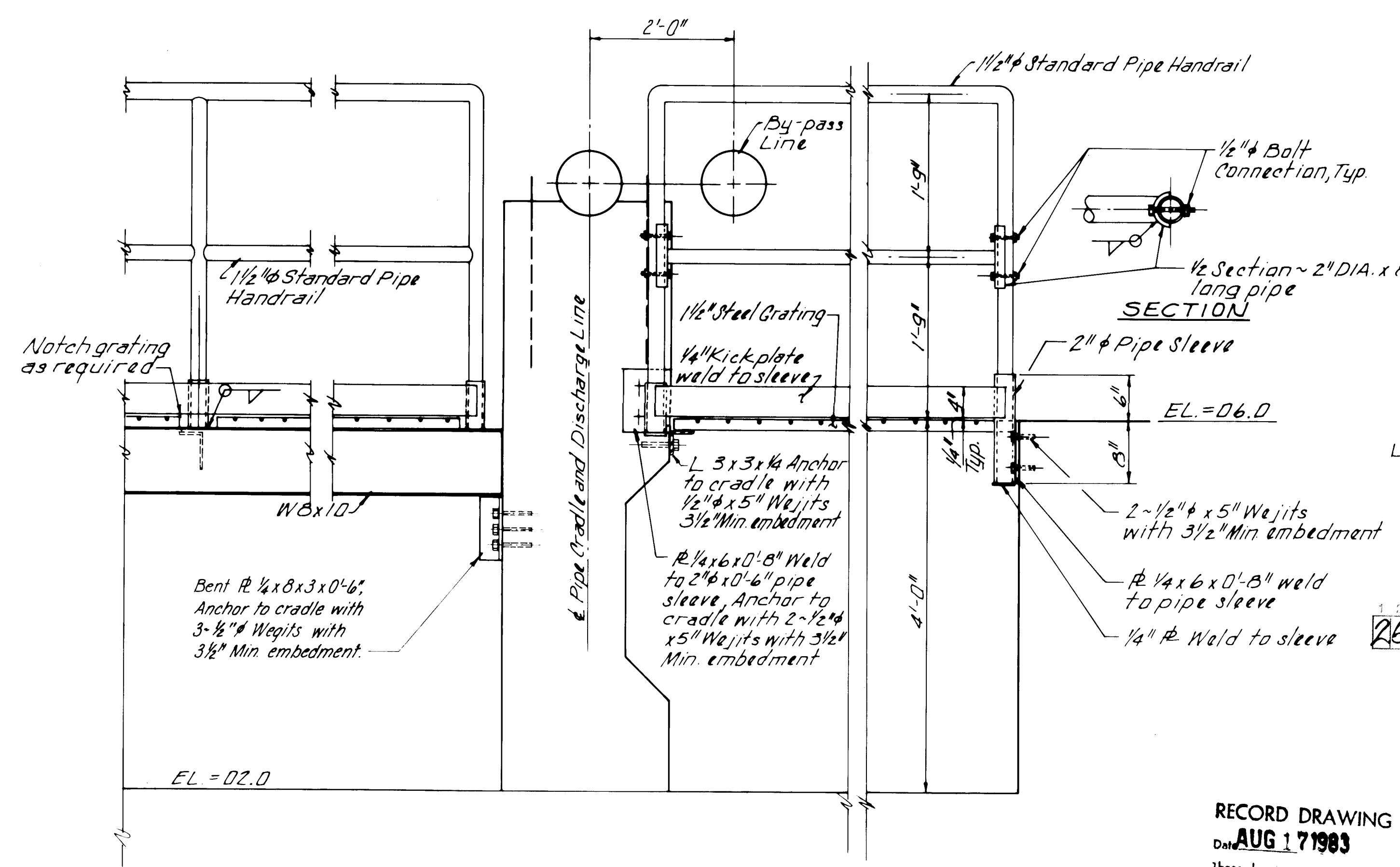
SECTION 3
Scale: 1 1/2" = 1'-0" Mod 1/2 Mod.



TYPICAL HANDRAIL DETAIL
Scale: 1" = 1'-0"

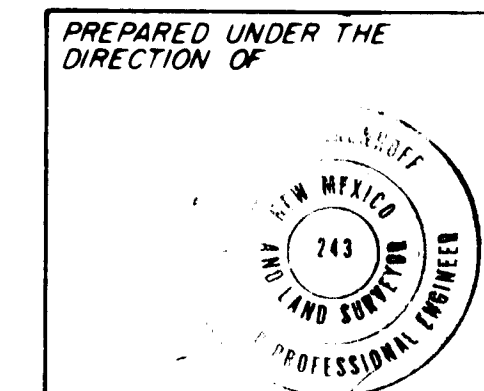


ELEVATION 'C'
Scale: 1" = 1'-0"



SECTION 4
Scale: 1" = 1'-0"

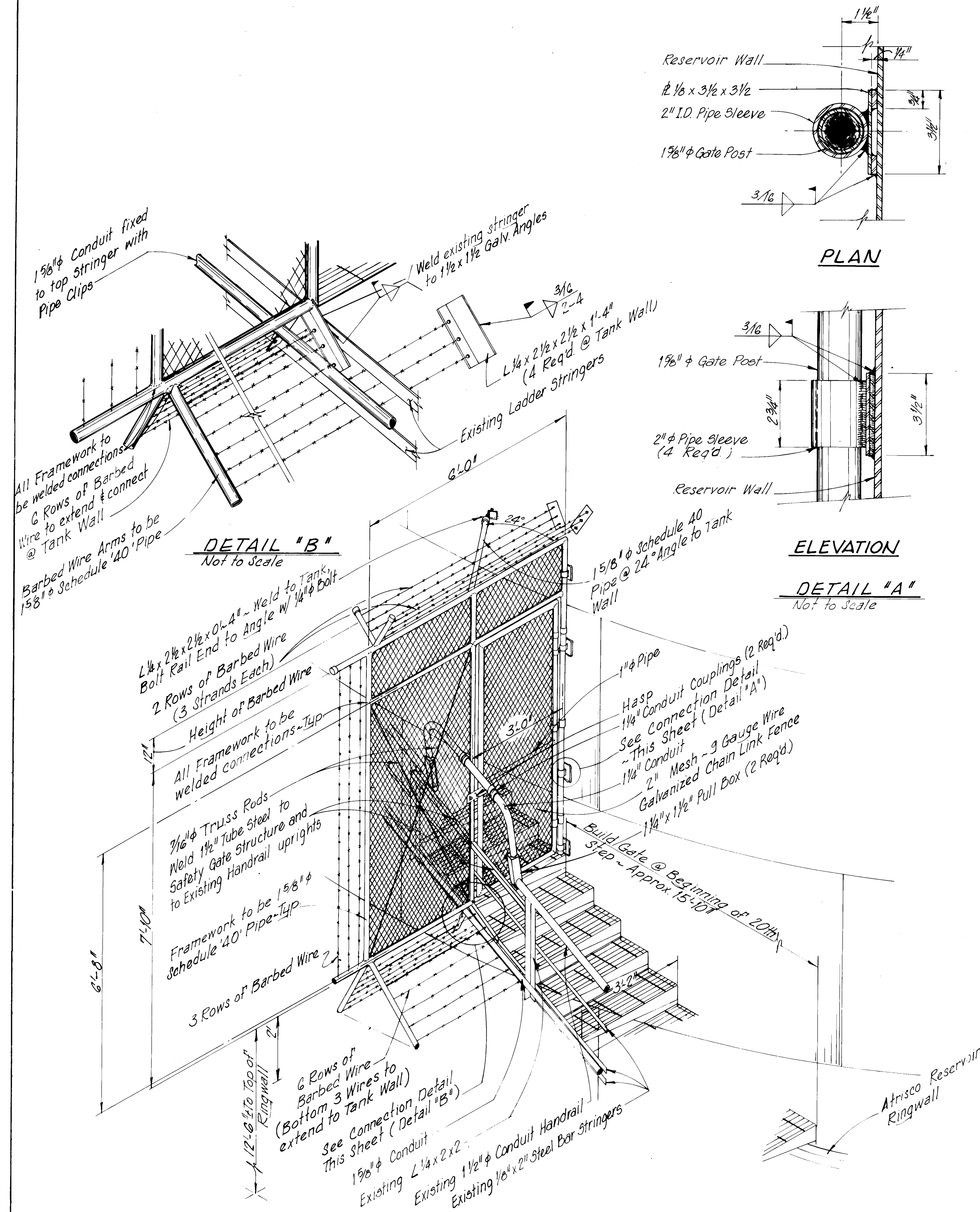
RECORD DRAWING
Date: AUG 17 1983



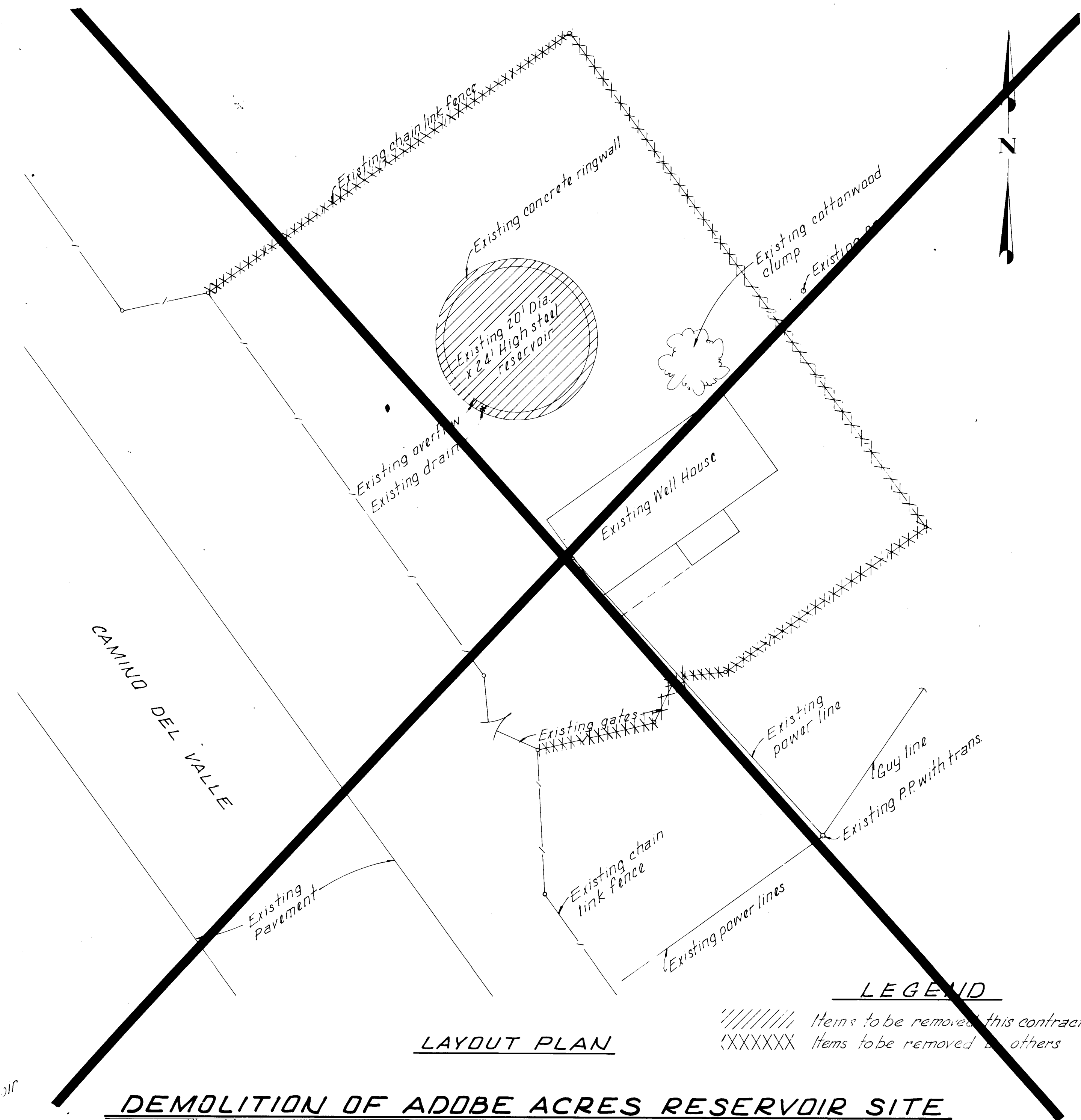
APPROVED FOR CONSTRUCTION

CITY OF ALBUQUERQUE WATER RESOURCES DEPARTMENT ENGINEERING DIVISION					
TITLE: SUPPER ROCK PUMP STATION MODIFICATIONS GRATING AND HANDRAIL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.E. Design			Traffic		
A.E. Hydrology			Water		
DRAWN BY			CHECKED BY		
DESIGNED BY			DATE		
DRAWN BY			DATE		
CHECKED BY			DATE		

						REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				MAP NO.		EST. NO.		FIELD NOTES				CONTRACTOR	
						W.O. NO.		NO.		BY		DATE	
												WORK	
												INSPECTION	
												ACCEPTANCE	
												BY	
												DATE	
												FIELD	
												VERIFICATION	
												BY	
												DRAWINGS	
												CORRECTED	
												BY	
												DATE	
												MICRO-FILM	
												INFORMATION	
												RECORDED	
												BY	
												DATE	
												NO	



SAFETY GATE STRUCTURE SCHEMATIC



DEMOLITION OF ADOBE ACRES RESERVOIR SITE

Scale: 1" = 10'

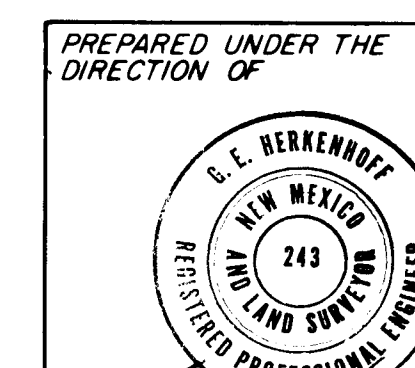
~~LEGEND~~

//////// Items to be removed this contract
 XXXXXXX Items to be removed by others

AS BUILT INFORMATION				CONTRACTOR		BENCH MARKS	
WORK				DATE		BY	
INSPECTED BY				DATE		BY	
ACCEPTANCE BY				DATE		BY	
VERIFICATION BY				DATE		BY	
DRAWINGS				DATE		BY	
CONTRACT NO.				DATE		BY	
MICRO-FILM INFORMATION				DATE		BY	
RECORDED BY				DATE		BY	
NO				DATE		BY	
DESIGNED BY				DATE		BY	
DRAWN BY				DATE		BY	
CHECKED BY				DATE		BY	
B.G.C.				T.E.W.E.S.		MAY 1981	
DATE				DATE		DATE	

RECORD DRAWING
Date AUG 7 1983

These drawings have been revised based on field data and every reasonable attempt has been made to depict construction actually performed.



APPROVED FOR
CONSTRUCTION

CITY ENGINEER

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT
ENGINEERING DIVISION

TITLE: SAFETY GATE AT ATRISCO RESERVOIR
AND
DEMOLITION OF ADOBE ACRES RESERVOIR SITE

DESIGNER'S APPROVALS/REVISION ONE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A C E - Design			Traffic		
A C E -Hydrology			Water		

DRAWING NO.	SHEET MOD.3 OF MOD. 3
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