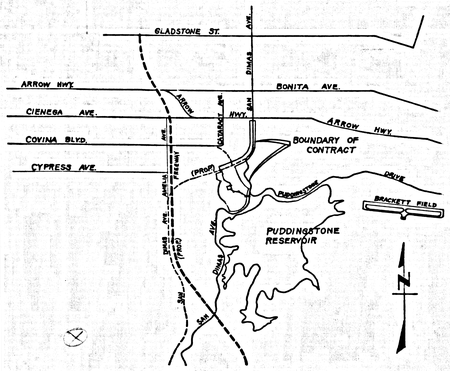
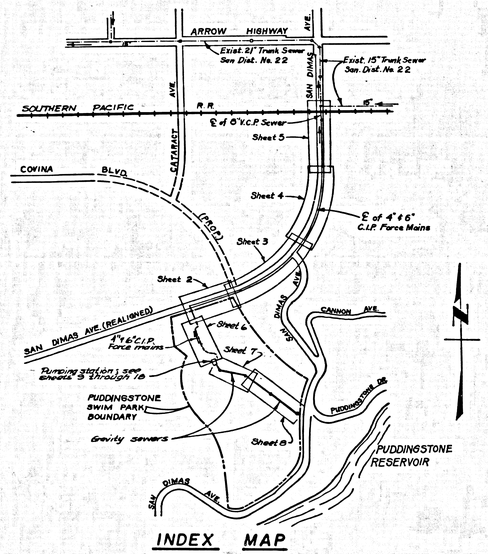


VICINITY MAP

PUMPING STATION, FORCE MAINS, AND GRAVITY SEWERS, IN PUDDINGSTONE SWIM PARK, SAN DIMAS AVE. (REALIGNED), AND OTHER RIGHTS OF WAY

CASH CONTRACT NO. 8238

SCALE: 1" = 2800'



INDEX MAP

Scale: 1" = 600'

NOTES REGARDING WORK IN SAN DIMAS AVE (REALIGNED)

1. The Contractor must coordinate his work with Resident Engineer of the State Division of Highway and the State Contractor.
2. Other agencies, in addition to the State Div. of Highway may also be working in the same area. All Contractors shall be responsible to each other for any damages, delays, or injuries caused between themselves.
3. The Contractor is responsible for the disposal of any excess material or fill.
4. Back fill shall be placed in layers not more than 8" thick and compacted to at least 95% relative compaction.
5. All work to be accomplished in strict accordance with the encroachment permit.

ISSUE NO PERMITS TO FORCE MAINS
Thomas P. Weber

CITY OF SAN DIMAS

USE TYPE "D", "Y", OR "U" JOINTS, PER SEC. 208-8 OF STD. SPECS. FOR ALL VITRIFIED CLAY PIPE JOINTS.
ALL STRUCTURES SHALL BE BRICK MANHOLES.
USE STANDARD MANHOLE FRAMES AND COVERS.
REFER TO SECTION 7-10.1 OF STANDARD SPECS., REGARDING SAFETY ORDERS.
THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE MADISON 9-4747, EXT. 8151 AT LEAST 24 HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
CONSTRUCTION IN STATE HIGHWAYS SHALL CONFORM WITH STATE HIGHWAY PERMIT AND THE CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION THEREWITH.
NOTE: TEMPORARY PAVEMENT (MIN. 3" THICK) SHALL BE INSTALLED AND MAINTAINED FOR A MINIMUM PERIOD OF 30 DAYS. FINAL RESURFACING SHALL BE AS FOLLOWS:

SHEET NO	STREET	STATION LIMITS FROM	TO	TYPE OF RESURFACING
1	SAN DIMAS AVENUE (F.M.)	24+00.00	26+08.08	4" Asph. conc.
5	SAN DIMAS AVENUE (G.S.)	1+00.00	1+89.55	4" Asph. conc.

NOTE: THE SUB-BASE FOR ALL RESURFACING SHALL MATCH THE EXISTING.

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

LEGEND	S-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-2
BRICK MANHOLE	S-3
MANHOLE FRAME AND COVER	S-5
MANHOLE STEP	S-7
BEDDING FOR SEWER PIPE	S-21
ANCHOR BLOCK	S-24
CRADLING AND ENCASEMENT	S-25
WYE OR TEE SUPPORT	S-26
STOPPERS	S-30
ALLOWABLE TRENCH WIDTHS	S-33
PRE-CAST CONCRETE MANHOLES	S-5 OR S-6

THE UNDERGROUND UTILITY COMPANIES WITHIN THE LIMITS OF THIS PROJECT ARE AS FOLLOWS:
(1) GENERAL TELEPHONE COMPANY
(2) SOUTHERN CALIFORNIA EDISON COMPANY
(3) CALIFORNIA CITIES WATER COMPANY
(4)

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SECURE A FEE-EXEMPT CONSTRUCTION PERMIT, COUNTY ENGINEER SANITATION DIVISION, ROOM 310, 108 W. SECOND ST., LOS ANGELES, CALIF., 90012.
NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.

PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL SECURE A FEE-EXEMPT ROAD PERMIT FROM THE CITY OF SAN DIMAS, 245 E. BONITA AVENUE, , SAN DIMAS.

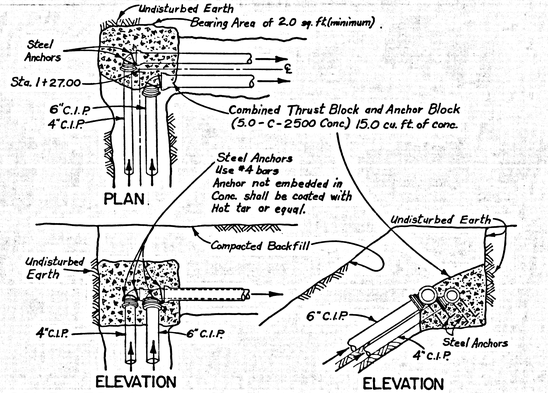
CAST IRON PIPE SHALL BE CLASS 150 MIN. WITH MIN. 1/8-INCH CEMENT MORTAR LINING. EXTER 70 SECTION 307-1.1(3) OF SPECIAL PROVISIONS. JOINTS SHALL BE IN ACCORDANCE WITH SEC. 211-9.7 OF SPECIAL PROVISIONS.

THE TERM "OFF-SITE" AS USED IN THESE PLANS, SPECIFICATIONS REFERS TO FACILITIES TO BE CONSTRUCTED OUTSIDE THE SWIM PARK BOUNDARY.

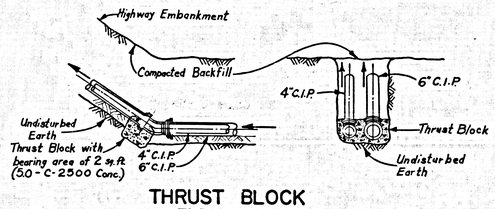
NON-STRUCTURE TRENCH BACKFILLING SHALL BE USED WHERE INDICATED ON THE PLANS, AND SHALL BE COMPOSED OF NOT LESS THAN 1 SAK OF CEMENT PER CUBIC YARD OF BACKFILL SOIL. THIS SHALL BE UNIFORMLY AND THOROUGHLY MIXED WHILE DRY, THEN LIGHTLY MOISTENED AND PLACED IN THE TRENCH. THE BACKFILL SHALL BE COMPACTED IN LAYERS WITH A PNUMATIC TAMPER.

NO SOILS INVESTIGATION REPORT IS AVAILABLE FOR THIS PROJECT.

THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, FURNISH INSURANCE AS MAY BE REQUIRED, AND ENTER INTO THE STANDARD CONTRACTORS AGREEMENT WITH THE SOUTHERN PACIFIC COMPANY FOR THAT PORTION OF THE CONSTRUCTION WITHIN THEIR RIGHT OF WAY.



COMBINED THRUST BLOCK & ANCHOR BLOCK OF FORCE MAIN IN SAN DIMAS AVE. - STA. 1 + 27.00
No Scale



THRUST BLOCK
TYPICAL
No Scale

J. N. 8804.15 SHEET 1

CASH CONTRACT NO. 8238

PUMPING STATION, FORCE MAINS, AND GRAVITY SEWERS

TO BE CONSTRUCTED IN

PUDDINGSTONE SWIM PARK, SAN DIMAS AVENUE (REALIGNED) AND OTHER RIGHTS OF WAY

SCALE: As noted. 18 SHEETS FEBRUARY 1970

COUNTY OF LOS ANGELES, CALIFORNIA

43017

JOHN A. LAMBIE COUNTY ENGINEER

APPROVED BY [signature] 3-13-70
ASST. SANITATION ENGINEER

J. D. PARKHURST
CHIEF ENGINEER OF COUNTY SANITATION DISTRICT NO. 22

APPROVED BY [signature]
OFFICE ENGINEER

DESIGNED BY [signature] REG. C. E. NO. 12443 3-1970 (DATE OF REGISTRATION)

APPROVED BY [signature] 3-17-70 (DATE APPROVED)
CITY OF SAN DIMAS

NOTES:
WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1970 EDITION, AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED APR. 7, 1970; AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.
GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURB, CENTERLINE OF STREET OR CENTERLINE OF ALLEY ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
ELEVATIONS ARE IN FEET ABOVE U.S.C.&G.S. SEA LEVEL DATUM OF 1929.
[illegible]
THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.

LAYOUT	Gonzalez-Rubio, R.		UNDERGROUND	Weber, T.P.	
TRACED	Weber, T.P.		BENCH MARKS	Weber, T.P.	
CHECKED	Birard, H.J.		MAINTENANCE		
F.B.			INSPECTOR		
A.B.	W.S.		RECORD PLANS		

JOB ADDRESS △
801 S. San Dimas Ave
City of San Dimas, California

County Sanitation Districts shall be notified prior to the following so that required inspection can be made (Phone 837-1068 or 686-3009).
Acceptance of the project.

No connections for the disposal of industrial wastes shall be made to sewers shown on these drawings without written permission from the Chief Engineer and General Manager of the County Sanitation Districts.

INDEX OF DRAWINGS

SHEET NO.	TITLE
1	TITLE SHEET
2	FORCE MAIN, PLAN & PROFILE, SAN DIMAS AVENUE (REALIGNED)
3	" " " " " " " "
4	" " " " " " " "
5	" " " " " " " "
6	FORCE MAIN, PLAN & PROFILE, PUDDINGSTONE SWIM PARK
7	GRAVITY SEWER, PLAN & PROFILE, PUDDINGSTONE SWIM PARK
8	" " " " " "
9	PUMP STATION, MECHANICAL
10	" " "
11	" " , MECHANICAL & MISCELLANEOUS DETAILS
12	" " , MATERIAL LIST & MISCELLANEOUS DETAILS
13	" " , STAIRWAY & ELECTRICAL DETAILS
14	" " , SUBSTRUCTURE STRUCTURAL
15	" " "
16	" " , SUPERSTRUCTURE - ARCHITECTURAL
17	" " " "
18	" " " " - ARCHITECTURAL SPECS.

REVISED 7-7-70

△ SHOW JOB ADDRESS ON PLANS

C.C. 8238

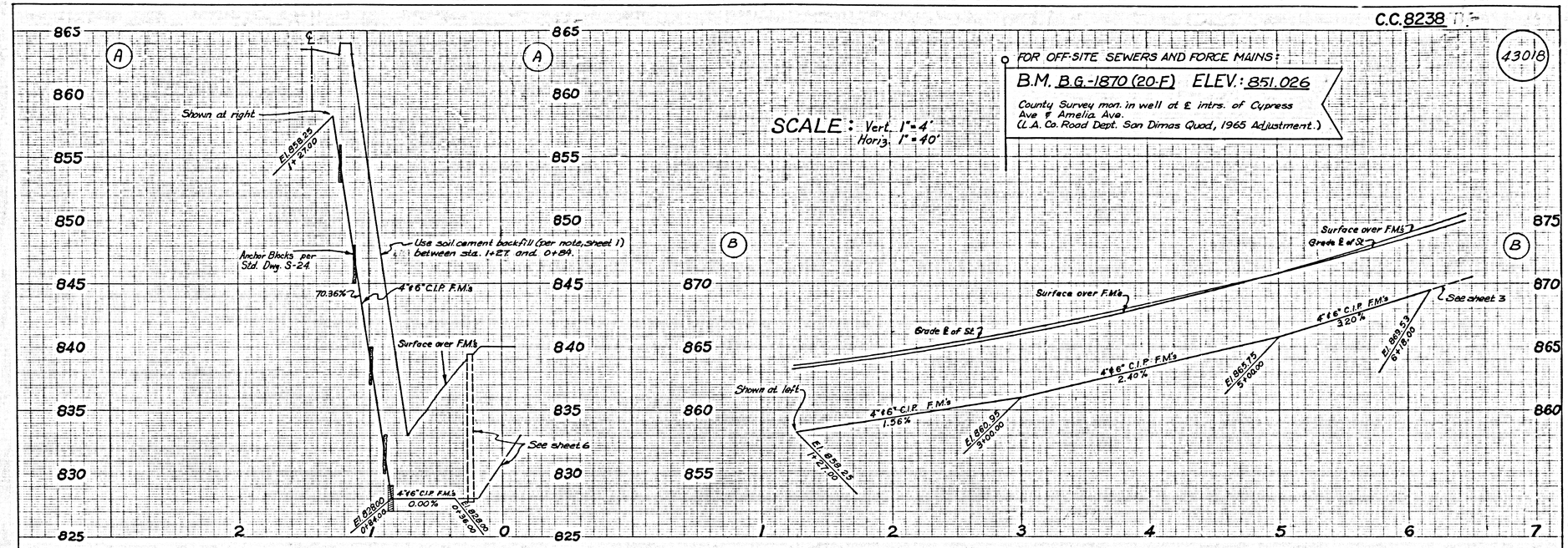
43018

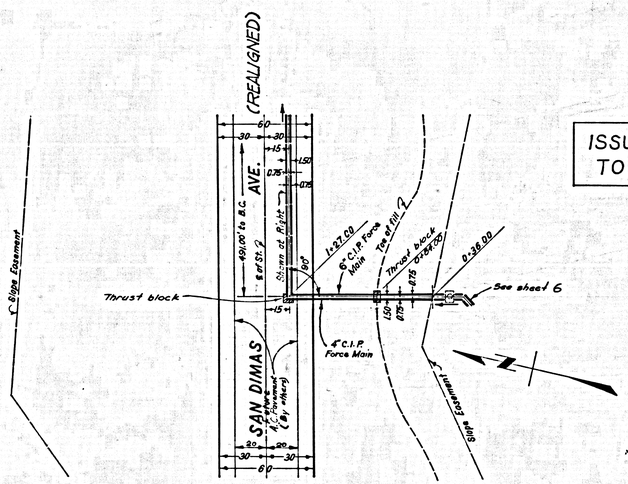
FOR OFF-SITE SEWERS AND FORCE MAINS:

B.M. B.G.-1870 (20-F) ELEV.: 851.026

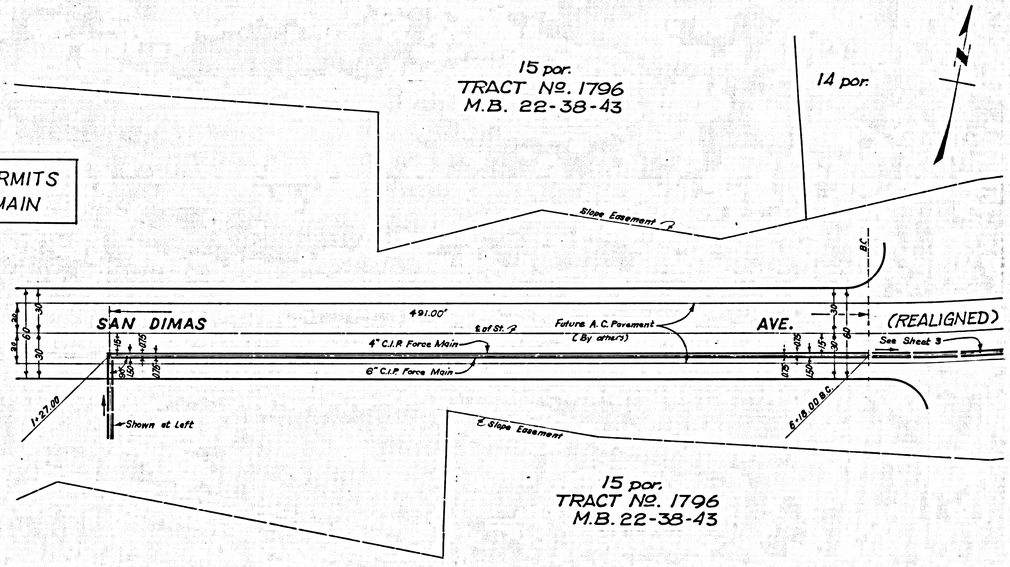
County Survey mon. in well at ℄ intrs. of Cypress Ave & Amelia Ave. (L.A. Co. Road Dept. San Dimas Quad, 1965 Adjustment.)

SCALE: Vert. 1"=4'
Horiz. 1"=40'





ISSUE NO PERMITS TO FORCE MAIN

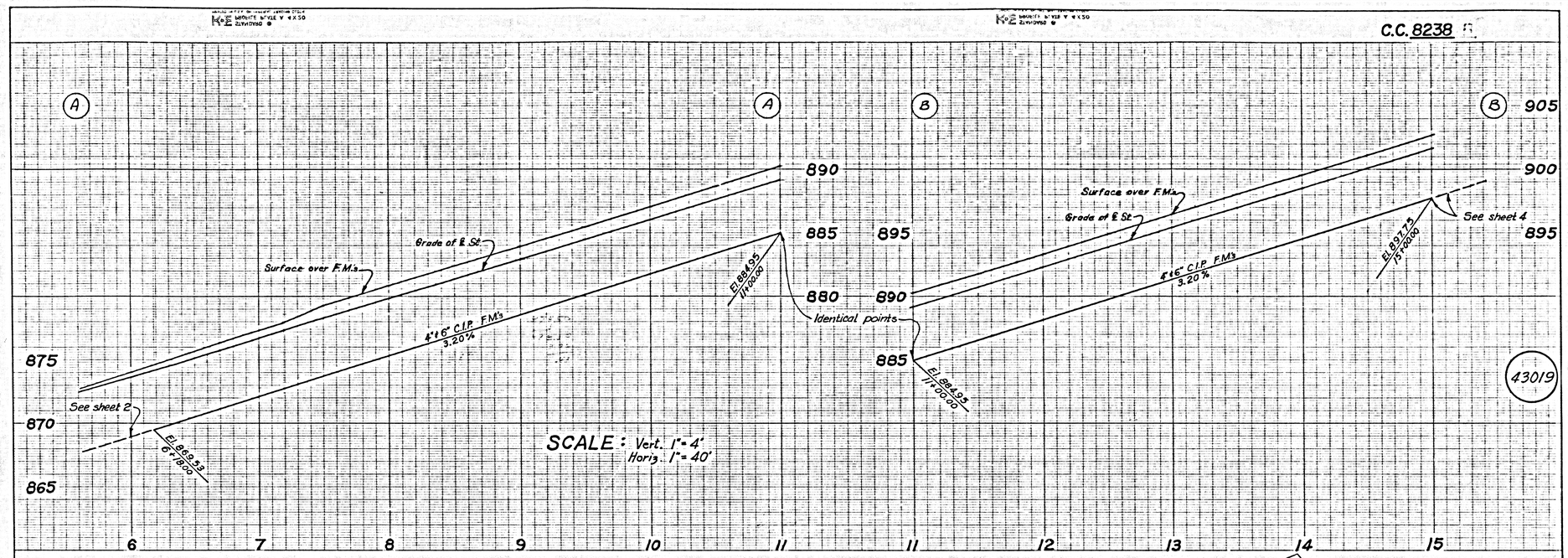


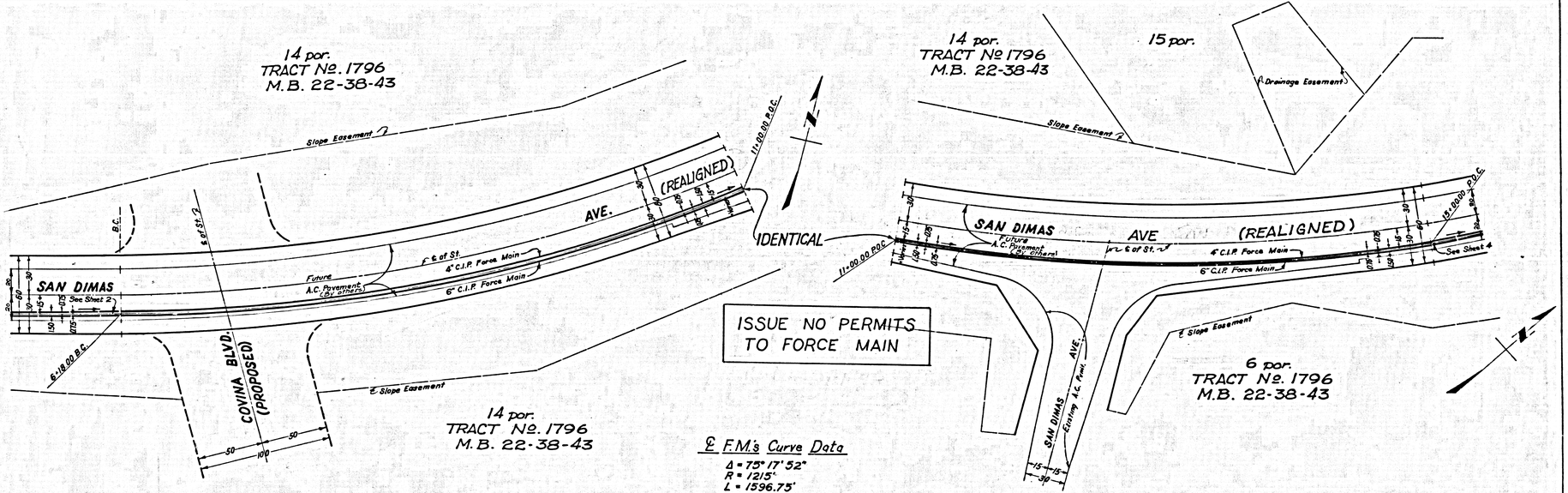
Sheet 2 of 18

FORCE MAINS IN SAN DIMAS AVE. (REALIGNED), C.C. 8238
PLAN & PROFILE

DESIGNED BY: G.E.AUD	CHECKED: B. Scanlon	DRAWN: T. Weber
Date: RCE No. 17722	SCALE: Vert: 1"=4'; Hor.: 1"=40'	SHEET 2 OF 18 SHEETS

C.C. 8238





ISSUE NO PERMITS TO FORCE MAIN

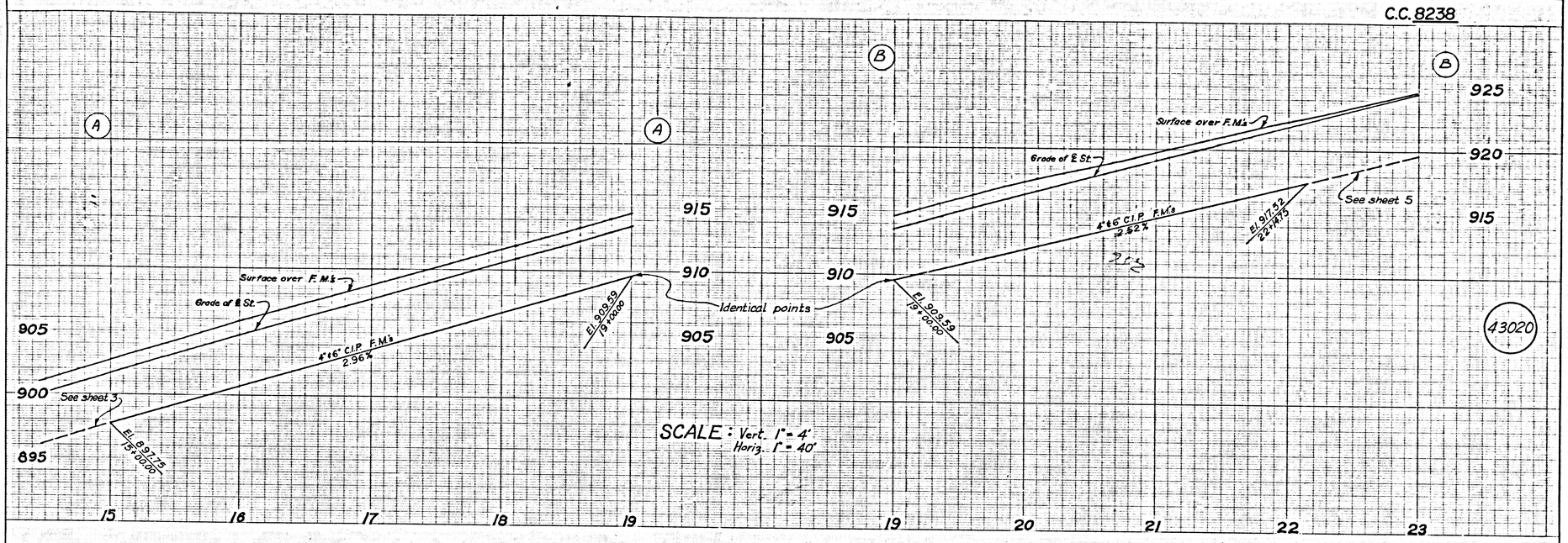
℄ F.M.'s Curve Data
Δ = 75° 17' 52"
R = 1215'
L = 1596.75'
T = 937.33'

3/18

FORCE MAINS IN SAN DIMAS AVE. (REALIGNED), C.C. 8238
PLAN & PROFILE

DESIGNED BY: GIRAUD	CHECKED: B. Scanlon	DRAWN: T. Weber
Date: R.C.E. No. 17722	SCALE: Vert: 1"=4', Horiz: 1"=40'	SHEET 3 OF 18 SHEETS

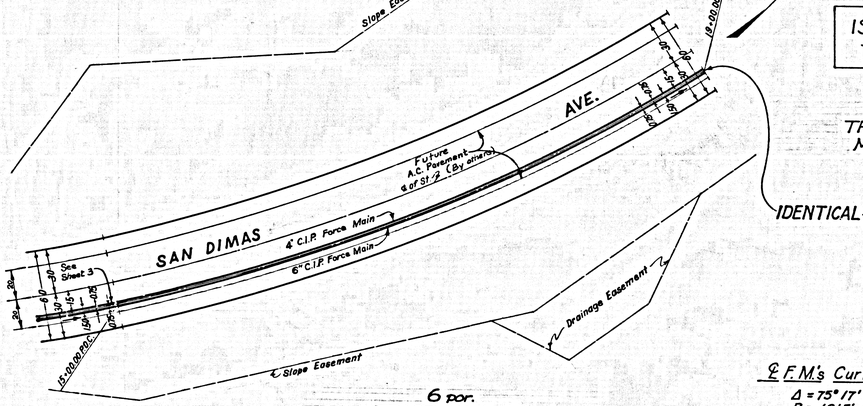
C.C. 8238



SCALE: Vert. 1" = 4'
Horiz. 1" = 40'

15 por.
TRACT No. 1796
M.B. 22-38-43

Slope Easement ℄



6 por.
TRACT No. 1796
M.B. 22-38-43

ISSUE NO PERMITS TO FORCE MAIN

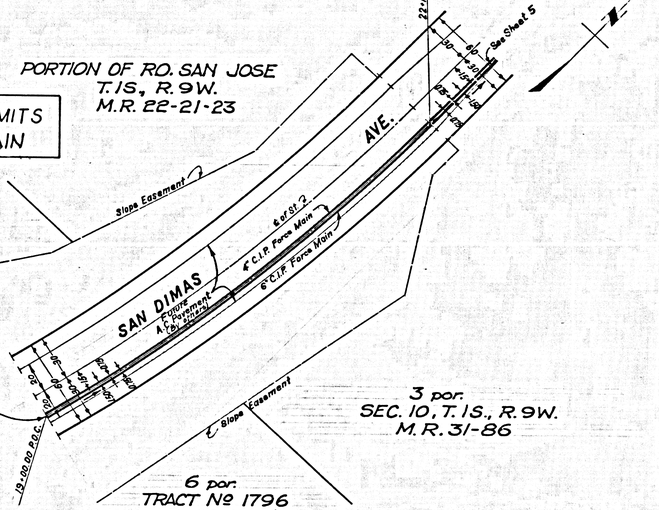
℄ F.M.'s Curve Data
Δ = 75° 17' 52"
R = 1215'
L = 1396.75'
T = 937.33'

IDENTICAL

15 por.
TRACT No. 1796
M.B. 22-38-43

PORTION OF RO. SAN JOSE
T. 1S., R. 9W.
M.R. 22-21-23

Slope Easement ℄



℄ Slope Easement

3 por.
SEC. 10, T. 1S., R. 9W.
M.R. 31-86

6 por.
TRACT No. 1796
M.B. 22-38-43

FORCE MAINS IN SAN DIMAS AVE (REALIGNED) C.C. 8238
PLAN & PROFILE

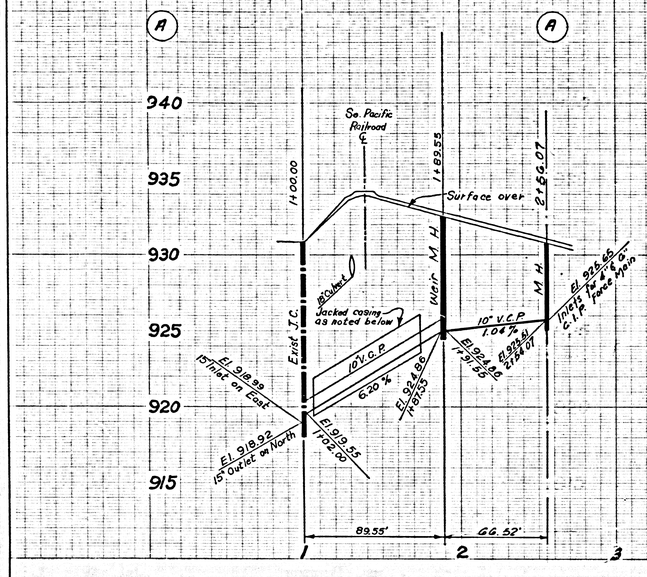
DESIGNED BY: GIRAUD	CHECKED: B. Scanlon	DRAWN: T. Weber
Date: R.C.E. No. 17766	SCALE: Vert 1"=4', Horiz 1"=40'	SHEET 4 OF 18 SHEETS

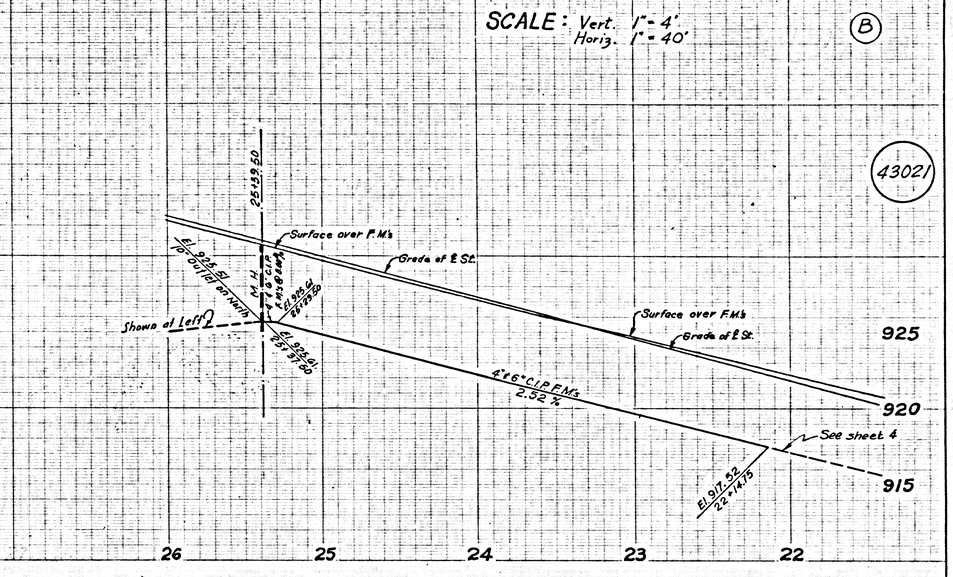
4/18

C.C. 8238

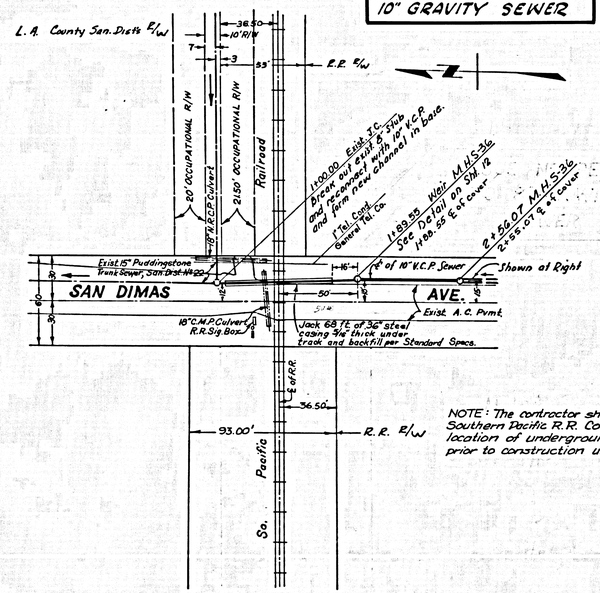
SCALE: Vert. 1"=4'
Horiz. 1"=40'

43021





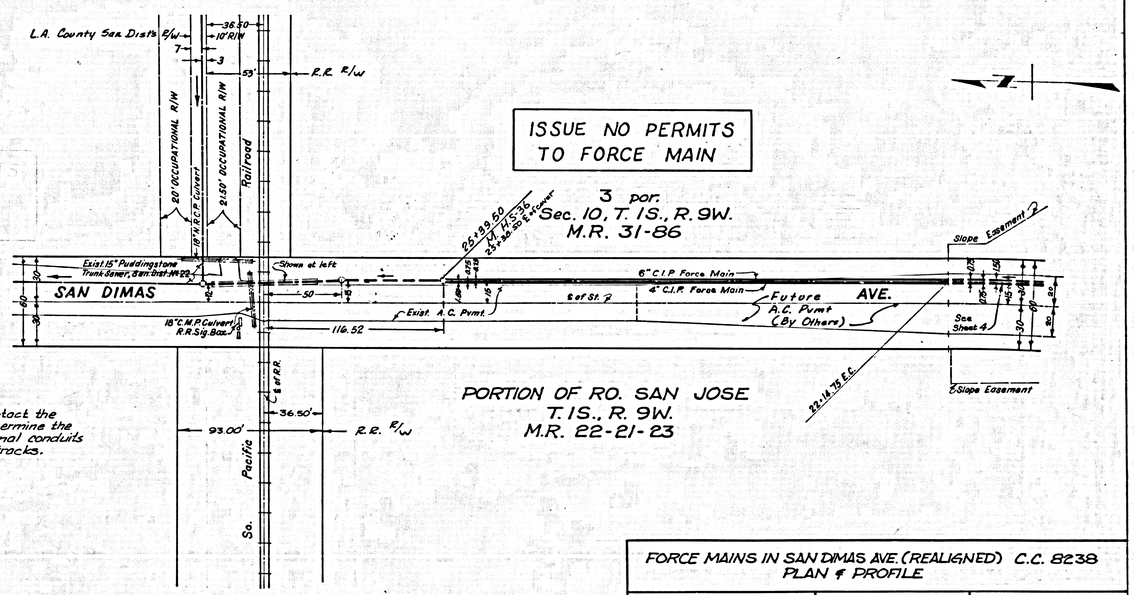
ISSUE NO PERMITS TO 10" GRAVITY SEWER



NOTE: The contractor shall contact the Southern Pacific R.R. Co. to determine the location of underground signal conduits prior to construction under tracks.

ISSUE NO PERMITS TO FORCE MAIN

3 por. Sec. 10, T. 1S., R. 9W. M.R. 31-86



PORTION OF RO. SAN JOSE
T. 1S., R. 9W.
M.R. 22-21-23

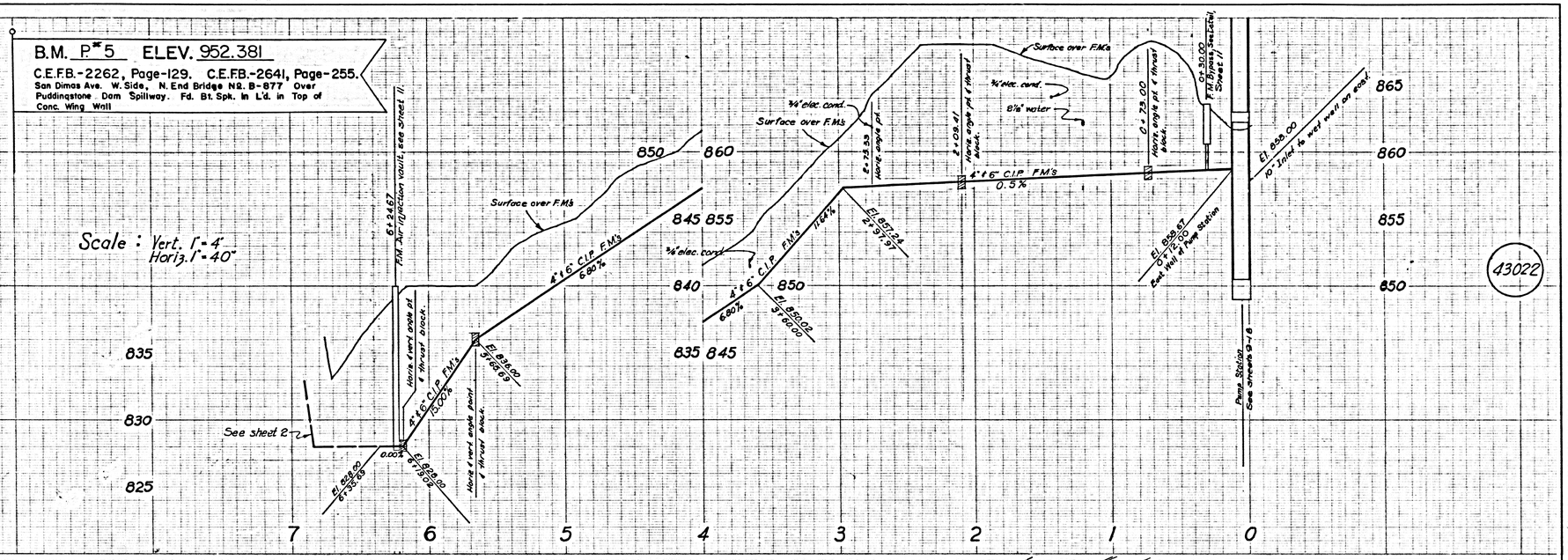
FORCE MAINS IN SAN DIMAS AVE. (REALIGNED) C.C. 8238
PLAN & PROFILE

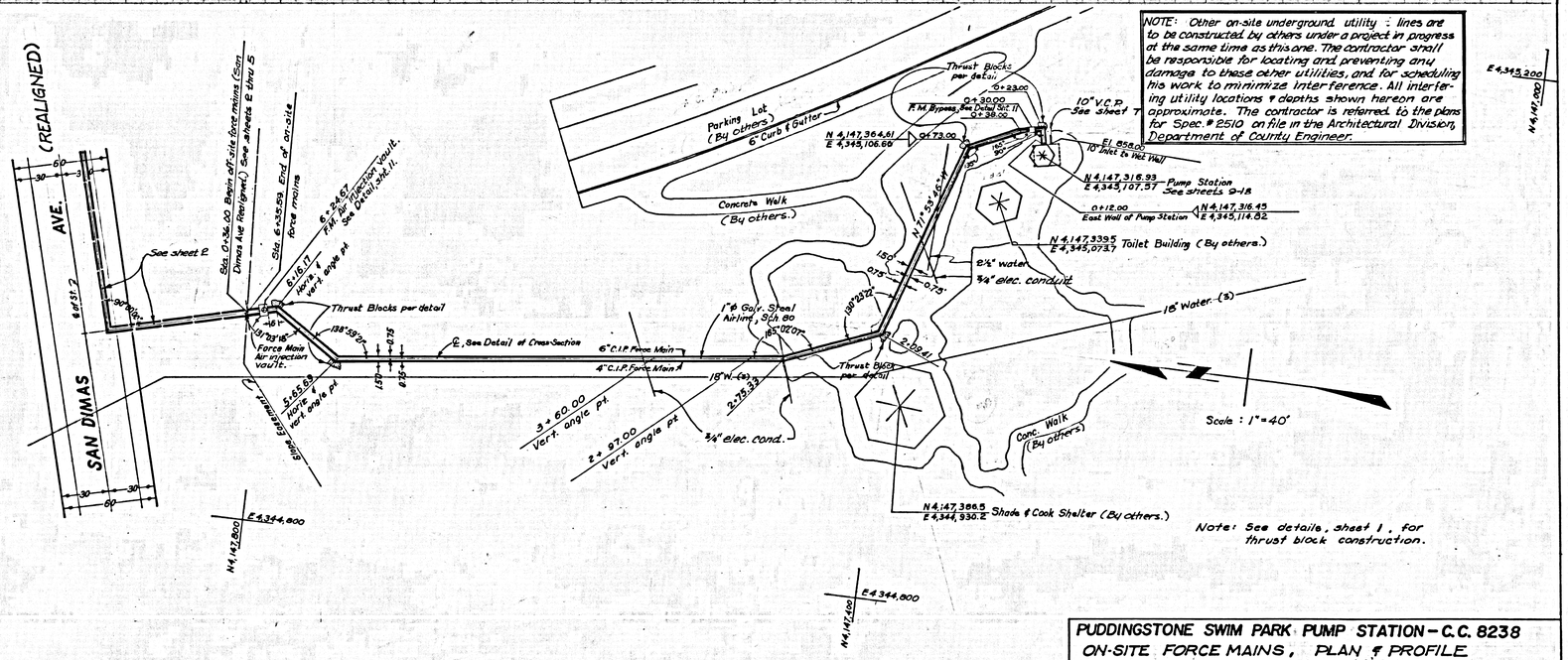
DESIGNED BY: GIRAUD	CHECKED: B. Scanlon	DRAWN: T. Weber
Date: RCE No. 17782	SCALE: Vert. 1"=4', Horiz. 1"=40'	SHEET 5 OF 18 SHEETS

B.M. P# 5 ELEV. 952.381

C.E.F.B.-2262, Page-129. C.E.F.B.-2641, Page-255.
San Dimas Ave. W. Side, N. End Bridge No. B-877 Over Puddingstone Dam Spillway. Fd. Bt. Spk. in L'd. in Top of Conc. Wing Wall

Scale : Vert. 1"=4'
Horiz. 1"=40'



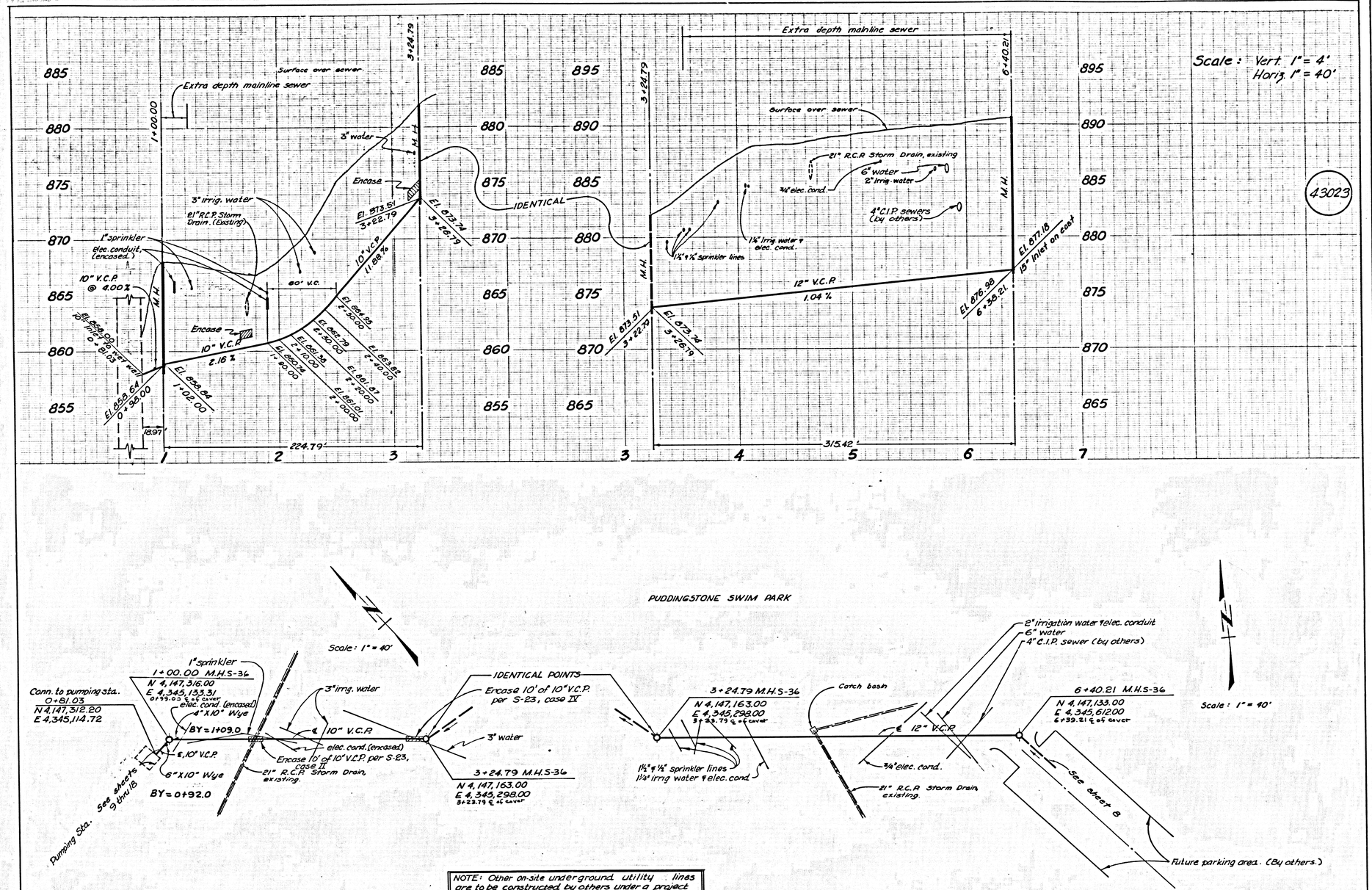


NOTE: Other on-site underground utility lines are to be constructed by others under a project in progress at the same time as this one. The contractor shall be responsible for locating and preventing any damage to these other utilities, and for scheduling his work to minimize interference. All interfering utility locations & depths shown hereon are approximate. The contractor is referred to the plans for Spec.# 2510 on file in the Architectural Division, Department of County Engineer.

Note: See details, sheet 1, for thrust block construction.

PUDDINGSTONE SWIM PARK PUMP STATION - C.C. 8238
ON-SITE FORCE MAINS, PLAN & PROFILE

DESIGNED BY: GIRAUD	CHECKED: B. Scanlon	DRAWN : T. Weber
Date: R.C.E. No. 17122	SCALE: As Noted Above	SHEET 6 OF 18 SHEETS



NOTE: Other on-site underground utility lines are to be constructed by others under a project in progress at the same time as this one. The contractor shall be responsible for locating and preventing damage to these other utilities, and for scheduling his work to minimize interference. All interfering utility locations and depths shown hereon are approximate. The contractor is referred to the plans for Spec # 8510, on file with the Architectural Div., Dept. of County Engineer.

PUDDINGSTONE SWIM PARK PUMP STATION — C.C. 8238
GRAVITY SEWER — PLAN & PROFILE

DESIGN BY: GIRAUD	CHECKED: Scanlon	DRAWN: M. Nagao
DATE: R.C.E.: 17722	SCALE: As Noted Above	SHEET 7 OF 18 SHEETS

Scale: Vert. 1" = 4'
Horiz. 1" = 40'

43024

Extra depth mainline sewer

6+40.21

9+11.15

60' V.C.

Surface over sewer

¾" elec. conds.

4" fuel gas

8" water

elec. cond. (encased.)
(S.C.E. Co.)

elec. & tele. conduits (encased.)

M.H.

30" R.C.P. Storm Drain, existing

Encase

15" V.C.P.
6.12 %

El. 882.01
9+13.15

El. 881.81
9+09.15

15" V.C.P.
0.52 %

El. 876.98
12" Outlet on west

El. 877.18
6+42.21

El. 878.80
9+00.00

El. 879.28
9+20.00

El. 879.68
9+30.00

El. 880.07
9+40.00

El. 880.47
9+50.00

El. 880.87
9+60.00

El. 881.27
9+70.00

El. 881.67
9+80.00

El. 882.07
9+90.00

El. 882.47
10+00.00

El. 882.87
10+10.00

El. 883.27
10+20.00

El. 883.68
10+30.00

El. 884.08
10+40.00

El. 884.47
10+50.00

El. 884.87
10+60.00

El. 885.27
10+70.00

El. 885.67
10+80.00

El. 886.07
10+90.00

El. 886.47
11+00.00

El. 886.87
11+10.00

El. 887.27
11+20.00

El. 887.67
11+30.00

El. 888.07
11+40.00

El. 888.47
11+50.00

El. 888.87
11+60.00

El. 889.27
11+70.00

El. 889.67
11+80.00

El. 890.07
11+90.00

El. 890.47
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El. 891.27
12+20.00

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12+80.00

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12+90.00

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13+40.00

El. 896.47
13+50.00

El. 896.87
13+60.00

El. 897.27
13+70.00

El. 897.67
13+80.00

El. 898.07
13+90.00

El. 898.47
14+00.00

El. 898.87
14+10.00

El. 899.27
14+20.00

El. 899.67
14+30.00

El. 900.07
14+40.00

El. 900.47
14+50.00

El. 900.87
14+60.00

El. 901.27
14+70.00

El. 901.67
14+80.00

El. 902.07
14+90.00

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El. 903.27
15+20.00

El. 903.67
15+30.00

El. 904.07
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El. 904.47
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El. 904.87
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El. 905.27
15+70.00

El. 905.67
15+80.00

El. 906.07
15+90.00

El. 906.47
16+00.00

El. 906.87
16+10.00

El. 907.27
16+20.00

El. 907.67
16+30.00

El. 908.07
16+40.00

El. 908.47
16+50.00

El. 908.87
16+60.00

El. 909.27
16+70.00

El. 909.67
16+80.00

El. 910.07
16+90.00

El. 910.47
17+00.00

El. 910.87
17+10.00

El. 911.27
17+20.00

El. 911.67
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El. 912.07
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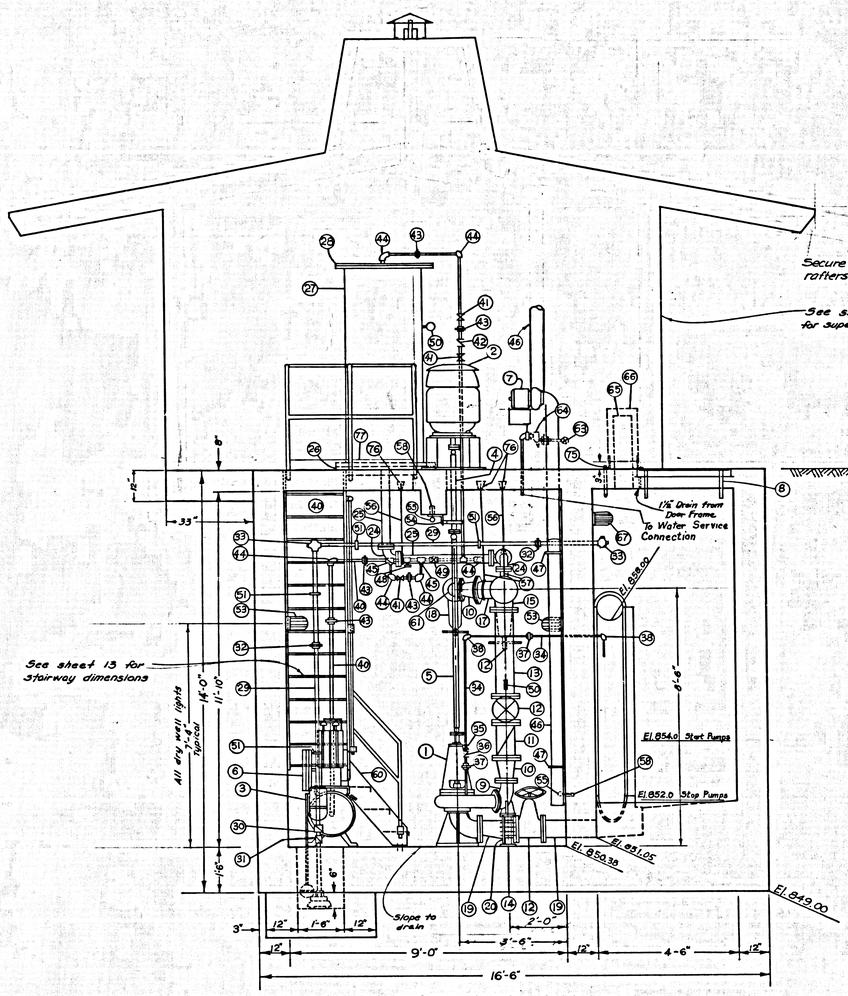
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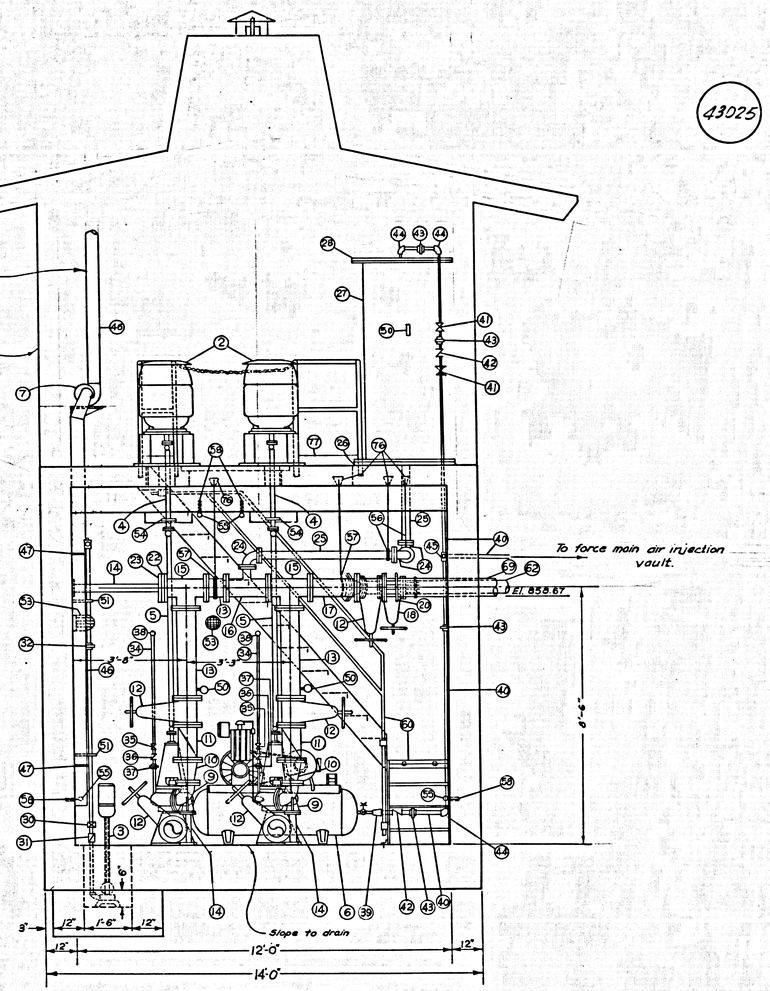
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SECTION A-A

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



SECTION B-B

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

Note : The contractor is responsible for verifying all material quantities required before submitting his bid.

PLUMBING NOTES :

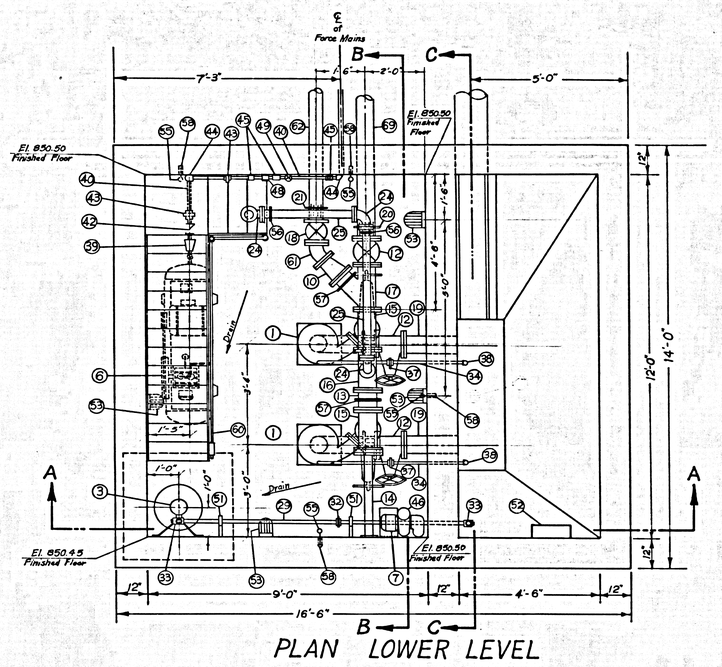
1. Piping 1½" and smaller unless otherwise noted shall be Schedule 40 galvanized steel pipe with 150 lb. malleable iron galvanized screwed fittings.
2. Piping for the Liquid Level Control shall be 3/8" P.V.C. in the wet well, with Solvent cement fittings.
3. The Contractor shall furnish and install all hangers and supports necessary to provide a complete piping suspension system. All hangers and supports are to be of an approved type.
4. All fittings and valves shall be flanged Class N° 125 Cast Iron.
5. The Force Main shall be Class 150 minimum cast iron pipe with class 22 "Tyton" type joints, and as otherwise described in the technical provisions and specifications.
6. The Force Main shall be tested in accordance with section 19 of the Technical Provisions.

PUDDINGSTONE SWIM PARK PUMP STATION - C.C. 8238

MECHANICAL

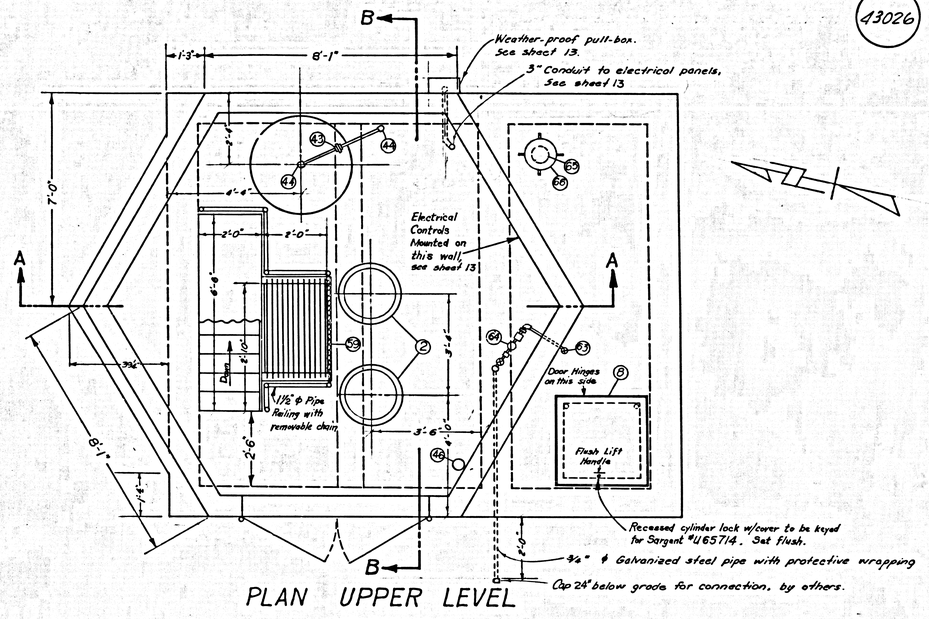
DESIGNED BY : GIRAUD	CHECKED : B. Scanlon	DRAWN : T. Weber
Date : R.C.E. No. 17722	SCALE : As Noted Above	SHEET 9 OF 18 SHEETS

43026



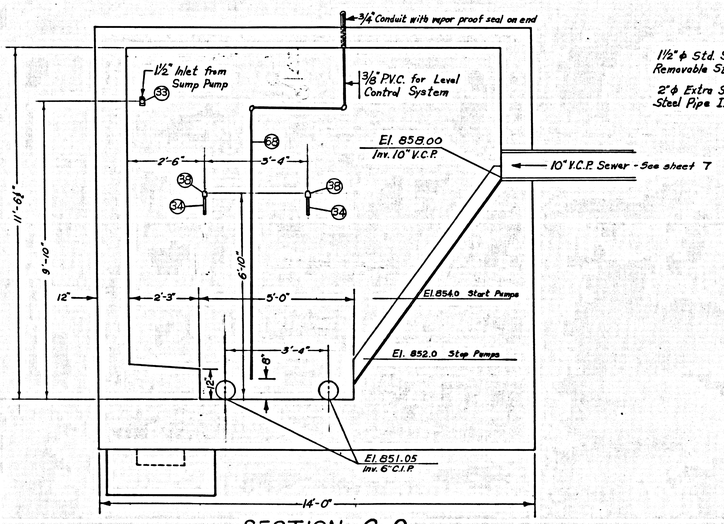
PLAN LOWER LEVEL

Scale : ½" = 1'-0"



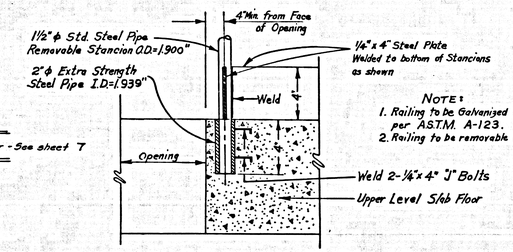
PLAN UPPER LEVEL

Scale : ½" = 1'-0"



SECTION C-C

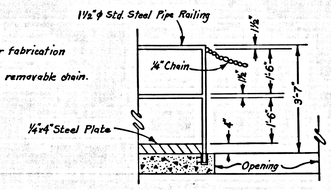
Scale : ½" = 1'-0"



STANCHION SOCKET DETAIL

No Scale

NOTE:
1. Railing to be Galvanized after fabrication per A.S.T.M. A-123.
2. Railing to be removable with removable chain.



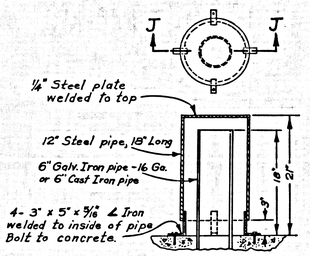
STANCHION DETAIL (TYP.)

Scale : ½" = 1'-0"

PUDDINGSTONE SWIM PARK PUMP STATION - C.C. 8238

MECHANICAL - PLANS AND DETAILS

DESIGNED BY: GIRAUD	CHECKED: B. Scanlon	DRAWN: T. Weber
Date: R.C.E. No. 17762	SCALE: As Noted Above	SHEET 10 OF 18 SHEETS

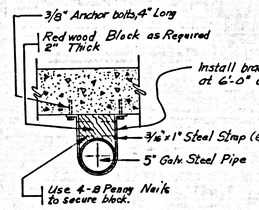


SECTION J-J

PIPE VENT COVER DETAIL

Scale : 1" = 1'-0"

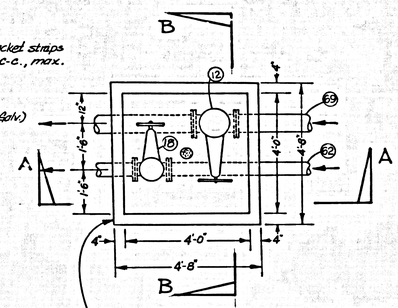
Note :
To be hot dipped galvanized per Specifications after fabrication.



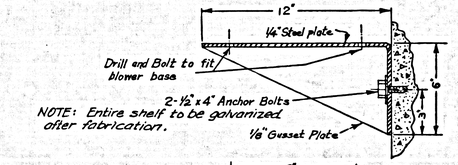
PIPE BRACKET DETAIL

USE FOR VENTILATION DUCT

Scale : 1" = 1'-0"

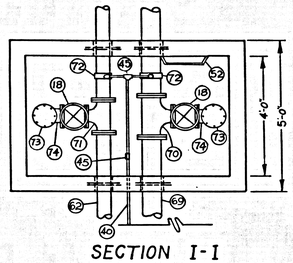


PLAN VIEW



BLOWER SHELF BRACKET DETAIL

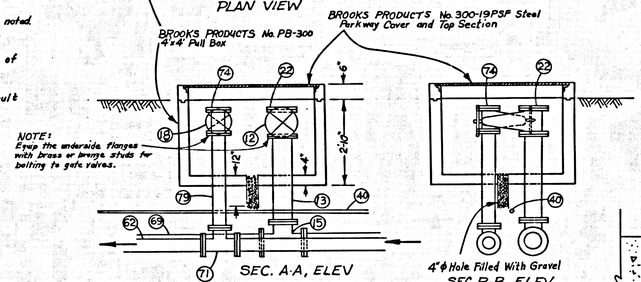
Scale : 3" = 1'-0"



SECTION I-I

GENERAL NOTES, AIR INJECTION VAULT

1. All concrete to be 3000 psi. compressive strength after 28 days unless otherwise noted.
2. Reinforced steel to be bent in accordance with A.C.I. standards.
3. Pipe sleeves shall be cast into vault walls by manufacturer.
4. All concrete section joints to be filled with sealant provided by manufacturer of precast sections.
5. Top of structure to be a minimum of 6" above adjoining ground level.
6. Manhole steps shall conform to L.A. County Engineer Standard # S-17 ; cast into vault walls by manufacturer of precast sections. Space at 1'-5" c-c.
7. All numbered items shown below are included in the Material Listing, sheet 12.
8. All precast concrete items to be adequately reinforced for this installation. Shop drawings, and engineering calculations showing the structural adequacy of all precast items are required.



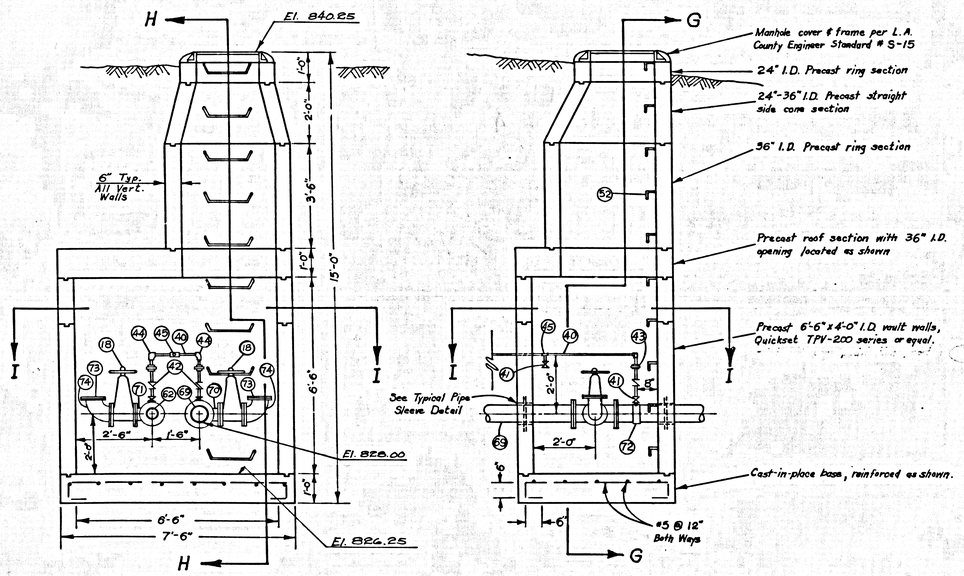
SEC. A-A, ELEV

SEC B-B, ELEV.

FORCE MAIN BYPASS DETAIL

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

43027

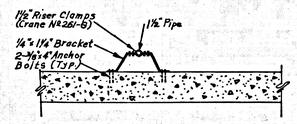


SECTION G-G

SECTION H-H

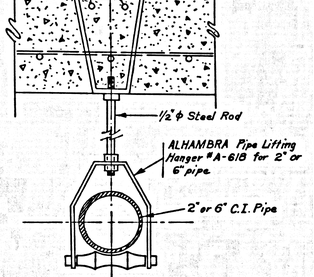
AIR INJECTION VAULT DETAIL

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



TYPICAL PIPE SUPPORT DETAIL

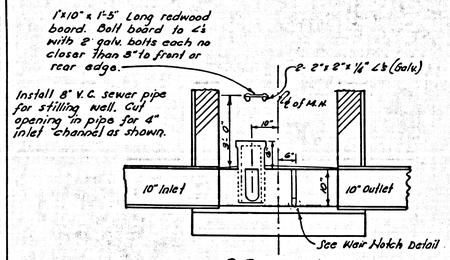
Scale : 1/2" = 1'-0"



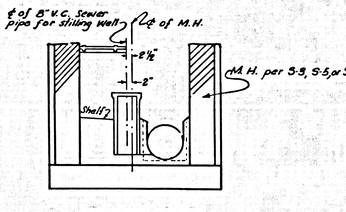
PIPE HANGER DETAIL

No Scale

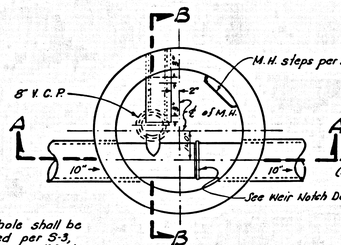
PUDDINGSTONE SWIM PARK PUMP STATION - C.C. 8238		
MECHANICAL & MISCELLANEOUS DETAILS		
DESIGNED BY: GIRAUD R.C.E. No. 17782 Date:	CHECKED: B. Scanlon	DRAWN : T. Weber
	SCALE : As Noted Above	SHEET 11 OF 18 SHEETS



SECT. A-A

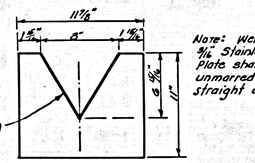


SECT. B-B



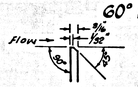
Note: Manhole shall be constructed per S-3, S-5, or S-6, modified as shown.

WEIR MANHOLE

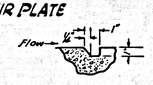


Note: Weir shall be a 3/16 Stainless Steel Plate. Plate shall be flat and unmarred with edges straight and smooth.

60° WEIR PLATE



WEIR BEVEL DETAIL



WEIR NOTCH DETAIL

DETAIL OF WEIR MANHOLE AT STA. 2+56.07

SHEET 5

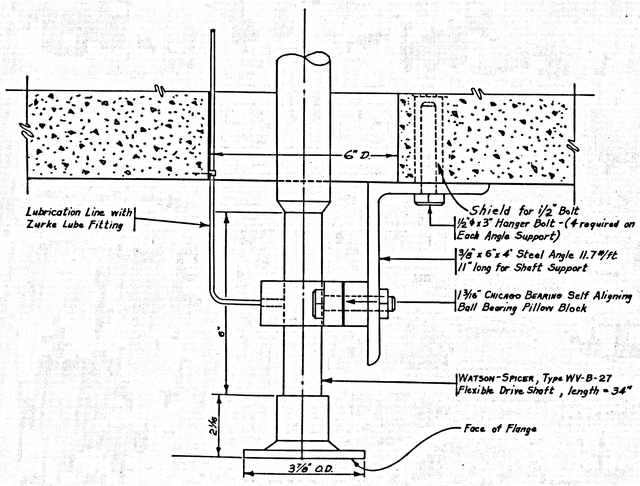
No SCALE

MATERIAL & EQUIPMENT IDENTIFICATION LISTING.

NOTE: THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL MATERIAL & QUANTITIES REQUIRED BEFORE SUBMITTING HIS BID. NO ERRORS OR OMISSIONS THAT MAY EXIST IN THIS LISTING SHALL BE USED AS A BASIS FOR A CLAIM FOR ADDITIONAL PAYMENT.

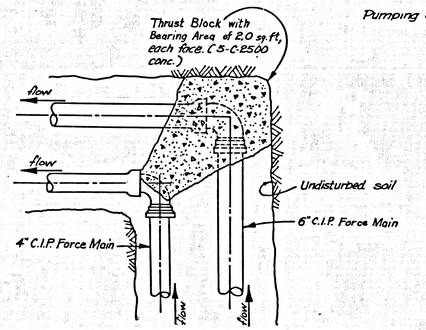
ITEM NO.	QUAN.	DESCRIPTION OF ITEM
1	2	4"-4" vertical non-clog sewage pump, open shaft. 1170 RPM, 115 gpm @ 106' T.D.H. SEE SPECIAL PROVISIONS
2	2	Vertical Solid Shaft Motor, 15 H.P. @ 1170 RPM 440 V, 3 ϕ & 60 cycles
3	1	YEOMAN'S DRAIN DRY Sump Pump Model SD-2, complete with 440 V., 3 ϕ, 60 cycle, ½ H.P. @ 1750 R.P.M. Motor (& Diving Bell - not shown)
4	2	Flexible Drive Shaft, WATSON-SPICER, Type WV-B-27, length of shaft = 34"
5	2	Flexible Drive Shaft, WATSON-SPICER Type WV-A-41, length of shaft = 80¾", with 3½ x 0.083 Tubing
6	1	ESSICK-QUINCY Model F240 Single Stage, Air Cooled, Pressure Lubricated, Reciprocating Compressor Unit with Belt Guard & Mounted on a 20" x 60" 80 gal. Horizontal Air Tank ASME (Compressor rated at 23.31 cfm @ 80 psi)
7	1	BUFFALO BABY VENT Set Model B, 405 CFM. complete with 110 V, 1 ϕ 1/20 H.P. @ 1725 R.P.M. Motor with Non-Sparking Aluminum Wheel
8	1	2'-6" Sq. BILCO Steel Door, Hatch Type J-2 with Cylinder Lock w/cover
9	2	4" 90° C.I. Base Elbow, Class 125 with Round Base (Flanged)
10	3	6" x 4" C.I. Taper Reducer, Class 125
11	2	6" Swing Check Valve, Class 125, Iron Body, Bronze Trim, RENSSELAER List 390 w/Outside Lever and Spring
12	6	6" C.I. Gate Valve CRANE No. 461, Brass Trim, Non-rising Stem with Hand Wheel
13	15 L.F.	6" C.I. Spool (Class 125, Flanges, each end)
14	5 L.F.	2" ϕ Steel Pipe Support (Sched. 40) w/ ⅜ x 6" ϕ Steel Plates welded to ends as required.
15	3	6"x 6" x 6" C.I. Tee, Class 125 (Flanged)
16	1	6"x 6" x 2" C.I. Tee, Class 125 (Flanged)
17	1	6" 45° C.I. Lateral, Class 125 (Flanged)
18	4	4" C.I. Gate Valve CRANE No. 461, Brass Trim, Non-rising Stem with Hand Wheel
19	2	6"x 4" Class 125, Flanged, eccentric cedycer
20	3	6" DRESSER Flanged Adapter (Cast Iron) Style 127
21	1	4" DRESSER Flanged Adapter (Cast Iron) Style 127
22	2	6" Blind Flange, Class 125 (Flanged)
23	1	2" x 1" Reducing Screwed
24	3	2" 90° C.I. Elbow, Class 125 (Flanged)
25	12 L.F.	2" C.I. Spool (Class 125, Flanges as required)
26	1	38" ϕ C.I. Flange, Class 125, drilled and threaded at center for a 2" ϕ C.I. Pipe
27	1	30" C.I. Pipe (Air Chamber), (Class 125, Flanges each end) Length = 6'-8"
28	1	38" ϕ C.I. Flange, Class 125 drilled and threaded at center for a 1" ϕ Galv. Steel Pipe
29	22 L.F.	1½" Dia. Galv. Steel Pipe Sched. 40
30	1	1½" Dia. Brass Gate Valve, 150# WWP
31	1	1½" Dia. Brass Swing Check Valve, 150# WWP
32	2	1½" Dia. Iron Union 150# WWP
33	2	1½" Dia. Std. Iron Cross with 2 Plugs, 150# WWP
34	20 L.F.	½" Dia. Galv. Steel Pipe Sched. 40
35	2	½" Dia. C.I. Gate Valve, 150# WWP
36	3	½" Dia. Iron Check Valve, 150# WWP
37	4	½" Dia. Iron Union, 150# WWP
38	4	½" Dia. 90° Iron Elbow, 150# WWP
39	1	1"x ½" Iron Reducer, 150# WWP
40	30 L.F.	1" Dia. Galv. Steel Pipe Sched. 80 (Double Dipped)
41	5	1" Dia. C.I. Gate Valve, 150# WWP
42	4	1" Dia. Iron Check Valve, 150# WWP
43	8	1" Dia. Iron Union, 150# WWP
44	9	1" Dia. 90° Iron Elbow, 150# WWP
45	4	1"x 1"x 1" Iron Tee, 150# WWP
46	30 L.F.	5# 16 ga. Galv. Steel Air Duct
47		⅜ x 1" Galv. Steel Pipe Straps for 5# Galv. Iron Air Duct (as required)
48	1	1" Dia. Solenoid Valve
49	1	1" Dia. Globe Valve, 200# WWP
50	3	0-160 psi. MARSHALL-TOWN No. 23 pressure gauge w/ ⅛" tap line & stop cock, complete w/ (2½" dial)
51	3	1½" Riser Clamp, CRANE No. 261-G
52	17	Steps for Wet Well and Drain Vault, ¾" ϕ Galv. Steel, ALHAMBRA No. A-3312
53	5	150 Watt Vapor Proof Light Fixture
54	2	CHICAGO BEARING Self Aligning Ball Bearing Pillow Block attached to ⅜" x 6" x 4" Steel Angle, 18" long.
55	6	½" ϕ Standard Size Eye Bolt
56	2	Pipe Hangers, ½" ϕ Steel Rod with ALHAMBRA Pipe Hanger No. A-618 for 2" Pipe
57	2	Pipe Hangers, ½" ϕ Steel Rod with ALHAMBRA Pipe Hanger No. A-618 for 6" Pipe
58	6	PHILLIPS RED HEAD Flush Anchors for ½" bolts
59	1	ALHAMBRA Fabricated Single Type 24-12 Grate and Frame, 26½ x 41⅜ with ½ x 3¼ Steel Bars.
60	1	Fabricated Steel (Galvanized) Stairway, 2'-0" width, diamond tread plate non-skid surfaces and required landing and handrail per plans.
61	1	4" 45° C.I. Elbow, Class 125 (Flanged)
62		4" C.I.P. Force Main, Class 125
63	1	¾" Hose Angle Valve
64	1	Reduced Pressure Backflow Preventer BEECO Model No. 12 for ¾" service, complete with ¾" hose bibb.
65	1	6" Galv. Iron Pipe, 16 Ga., or 6" C.I.P.
66	1	12" Steel Pipe, 18 inches long
~~67~~	~~1~~	~~150 Watt Explosion Proof Light Fixture~~
68	30 L.F.	⅞" Sch 80 Poly Vinyl Chloride Pipe & Req'd. Fittings
69		6" C.I.P. Force Main, Class 125
70	1	6"x 6"x 4" C.I. Tee, Class 125 (Flanged)
71	2	4"x 4"x 4" C.I. Tee, Class 125 (Flanged)
72	2	DRESSER Style 92, or equal, double strap service saddle for C.I.P. with 1" tap.
73	2	4" 90° C.I. Elbow, Class 125 (Flanged)
74	2	4" Blind Flange, Class 125 (Flanged)
75	2 L.F.	¾" Conduit containing ⅜" P.V.C. air line
76	3	RICHMOND SCREW ANCHOR Co. ½ Lifting Insert Type L.C.B.
77	10 L.F.	¼ x 4" Steel Plate.
78	10 L.F.	1½" ϕ Steel Pipe Railing
79	5 L.F.	4" C.I. Spool (Class 125, Flanges, each end)

43028



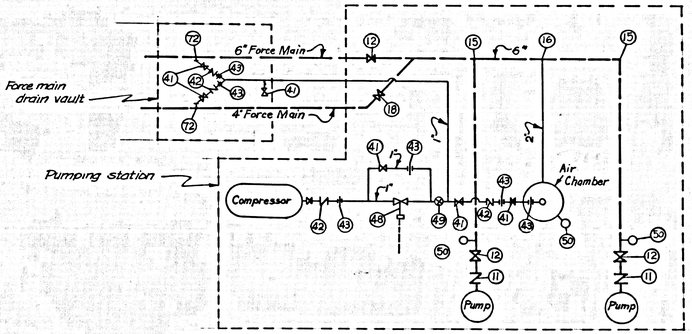
TYPICAL SHAFT SUPPORT

Scale: ½" = 1"



TYPICAL THRUST BLOCK DETAIL

No Scale



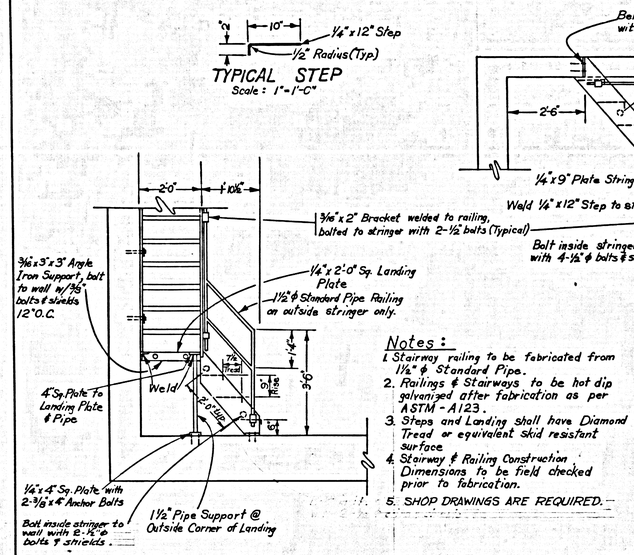
COMPRESSOR AND AIR CHAMBER SCHEMATIC

PUDDINGSTONE SWIM PARK PUMP STATION - C.C. 8238

LIST OF MATERIALS AND MISCELLANEOUS DETAILS

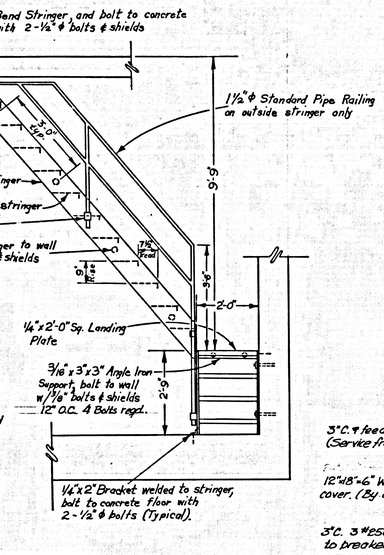
DESIGNED BY: GIRAUD	CHECKED: B. Scanlon	DRAWN: T. Weber
Date: R.C.E. No. 17722	SCALE: As Noted Above	SHEET 12 OF 18 SHEETS

43029



TYPICAL STEP
Scale : 1"=1'-0"

ELEVATION



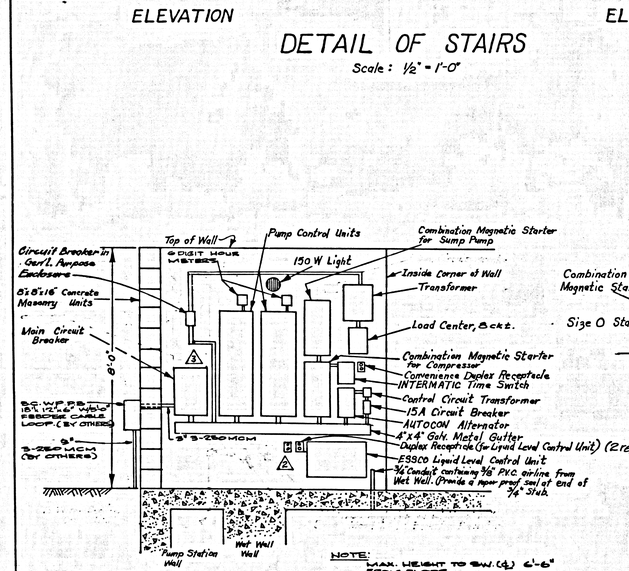
ELEVATION

DETAIL OF STAIRS
Scale : ½" = 1'-0"

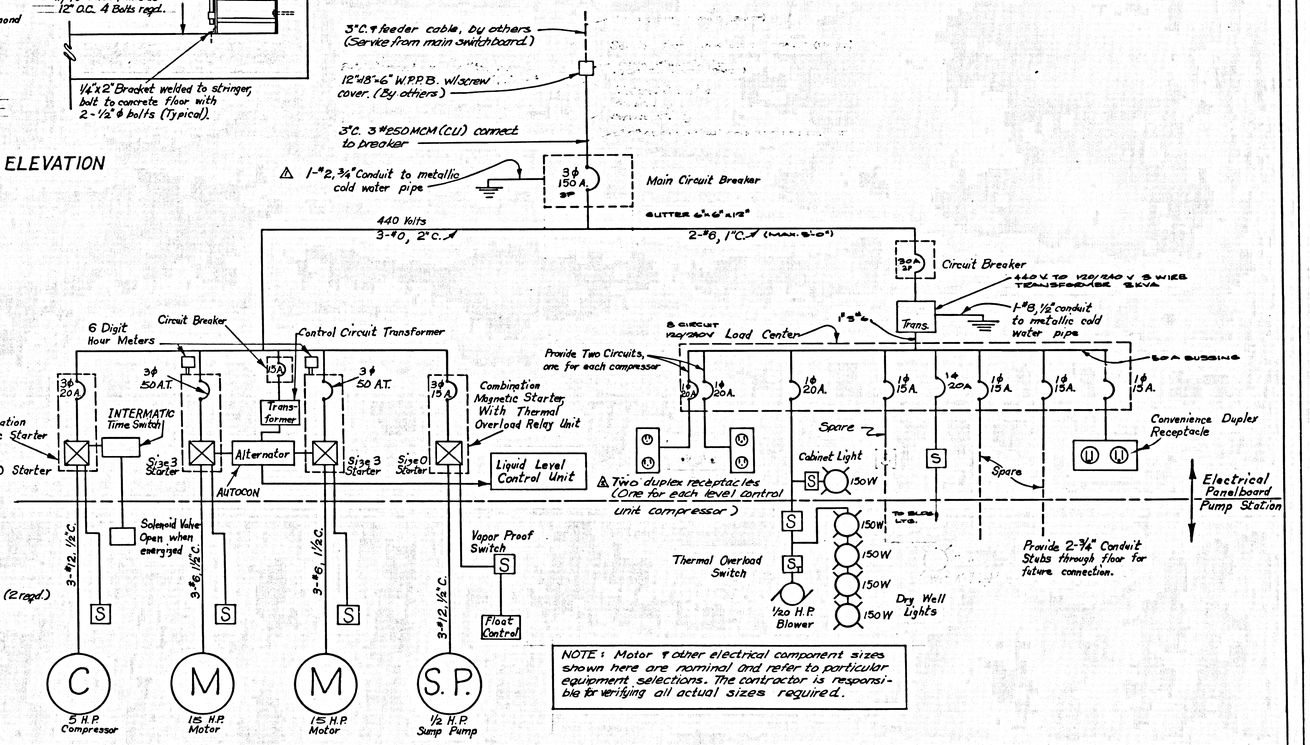
Notes :
1. Stairway railing to be fabricated from 1½" ϕ Standard Pipe.
2. Railings & Stairways to be hot dip galvanized after fabrication as per ASTM - A123.
3. Steps and Landing shall have Diamond Tread or equivalent skid resistant surface.
4. Stairway & Railing Construction Dimensions to be field checked prior to fabrication.
5. SHOP DRAWINGS ARE REQUIRED.

ELECTRICAL NOTES:

1. Any temporary power service required during construction shall be arranged and paid for completely by the contractor.
2. The Electrical Contractor shall run a #4 bare copper M.H.D. ground wire and attach as per Code to all metal piping, pump plates and steps.
3. The electrical work shall be installed in strict accordance with the provisions of the National Electrical Code, State Safety Orders and all applicable local codes.
4. Conduit runs are shown diagrammatically; exact location shall be determined in the field to suit field conditions.
5. All electrical equipment in the wet well to be explosion proof per Class 1, Division 1 of State Electrical Safety Orders. Seal conduits into this area.
   All electrical equipment in the dry wells shall be vapor tight gasket area. Seal all conduits into this area.
6. Conduit shall be imbedded in the concrete and stubbed up as closely as possible to the equipment served.



ELECTRICAL PANELBOARD LAYOUT
Scale : ½" = 1'-0"



NOTE : Motor & other electrical component sizes shown here are nominal and refer to particular equipment selections. The contractor is responsible for verifying all actual sizes required.

SCHEMATIC ELECTRICAL LAYOUT

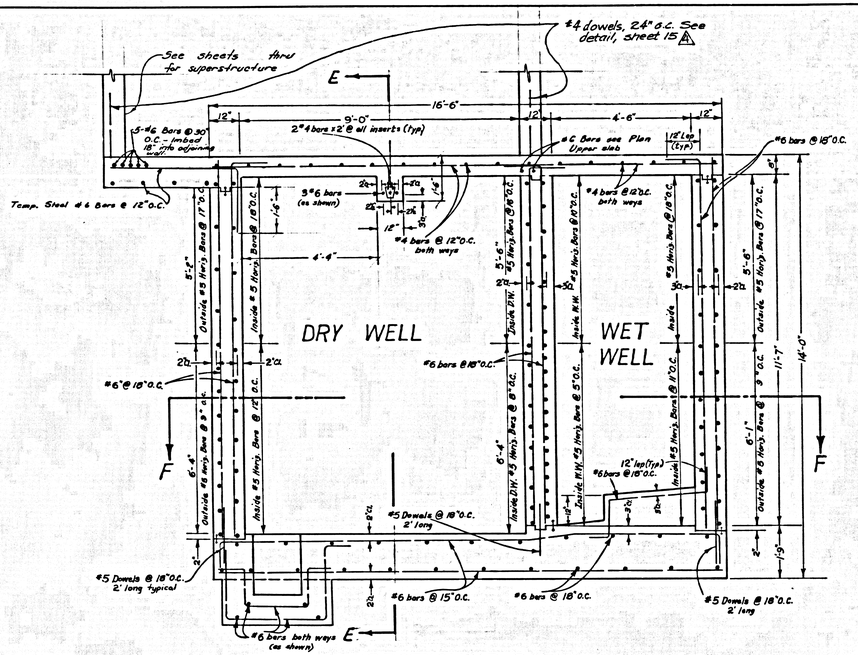
CORRECTIONS REQUIRED BY L.A. CO. BUILDING & SAFETY DIV.

Δ Increase size of system ground 7-7-70
Δ Provide separate receptacles for level control unit circuits 7-7-70
Δ Eliminate junction connection at main circuit breaker 7-7-70

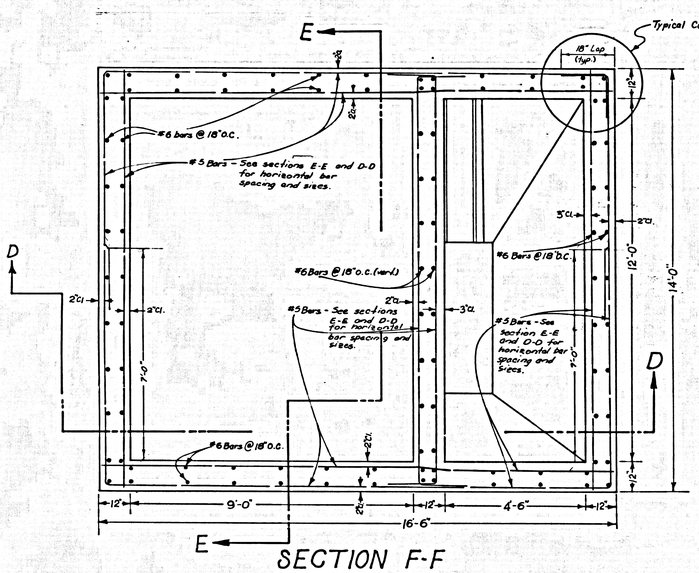
REVISED 7-7-70
SEE CORRECTION NOTES AT LEFT

PUDDINGSTONE SWIM PARK PUMP STATION - C.C. 8238
STAIRWAY AND ELECTRICAL DETAILS

DESIGNED BY: GIRAUD
Date: RCE No. 17762
CHECKED: B. Scanlon
DRAWN : J. Weber
SCALE : As Noted Above
SHEET 13 OF 18 SHEETS

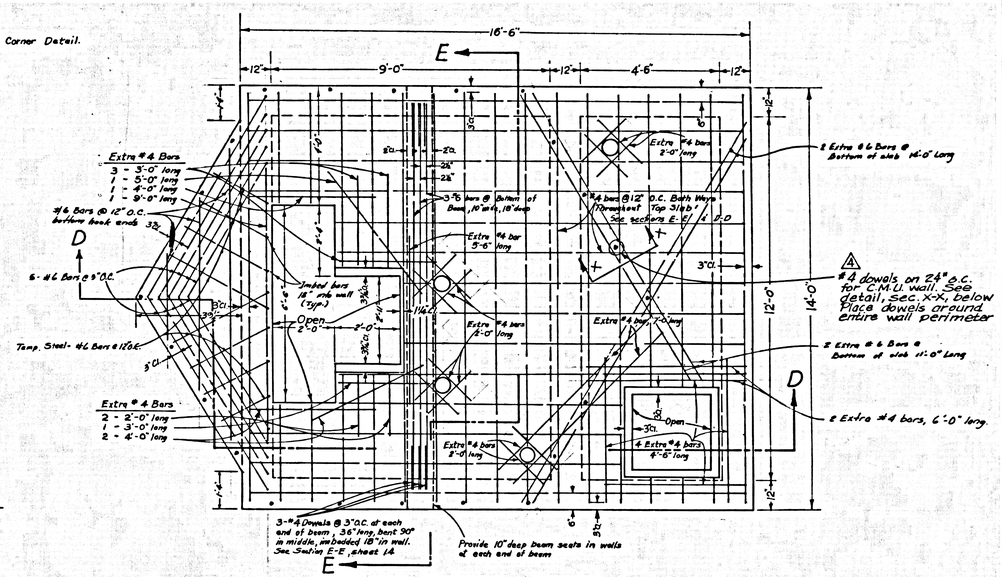

#4 dowels, 24" o.c. See detail, sheet 15
See sheets thru for superstructure
E
16'-6"
9'-0"
4'-6"
12"
5-#6 bars @ 30" O.C. - imbed 18" into adjoining
2"#4 bars x 2'-0" at all inserts (Typ)
#6 bars @ 15" O.C.
#6 bars see Plan Upper slab
12" Lap (Typ)
Temp. Steel #6 Bars @ 12" O.C.
3"#6 bars (as shown)
#4 bars @ 12" O.C. both ways
#4 bars @ 12" O.C. both ways
DRY WELL
WET WELL
#6 bars @ 18" O.C.
#6 @ 18" O.C.
#5 Dowels @ 18" O.C. 2' long
#5 Dowels @ 18" O.C. 2' long typical
#6 bars @ 15" O.C.
#6 bars @ 18" O.C.
#5 Dowels @ 18" O.C. 2' long
#6 bars both ways (as shown)
F
F
E
5'-6"
6'-4"
6'-1"
11'-7"
14'-0"
Outside #5 Horiz. Bars @ 17" O.C.
Inside #5 Horiz. Bars @ 18" O.C.
Outside #5 Horiz. Bars @ 18" O.C.
Inside #5 Horiz. Bars @ 12" O.C.
Inside #5 Horiz. Bars @ 8" O.C.
Inside #5 Horiz. Bars @ 5" O.C.
Inside #5 Horiz. Bars @ 11" O.C.
Outside #5 Horiz. Bars @ 3" O.C.

43031



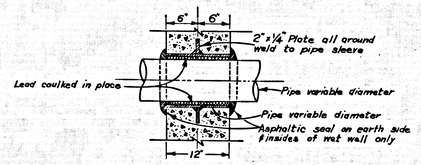
SECTION F-F

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



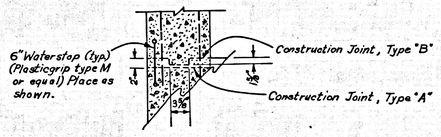
PLAN UPPER LEVEL

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



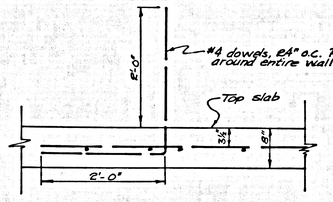
TYPICAL PIPE SLEEVE DETAIL

No Scale



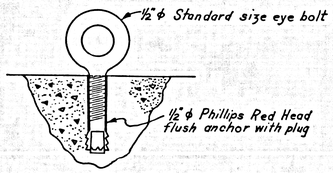
TYPICAL CONSTRUCTION JOINT & WATERSTOP DETAIL

No Scale



⚠ SECTION X-X DOWELS FOR C.M.U. WALL, TYPICAL

Not to scale



EYE BOLT DETAIL

No Scale

(6 required - See sheets 9 & 10 for locations)

REVISED 7-7-70

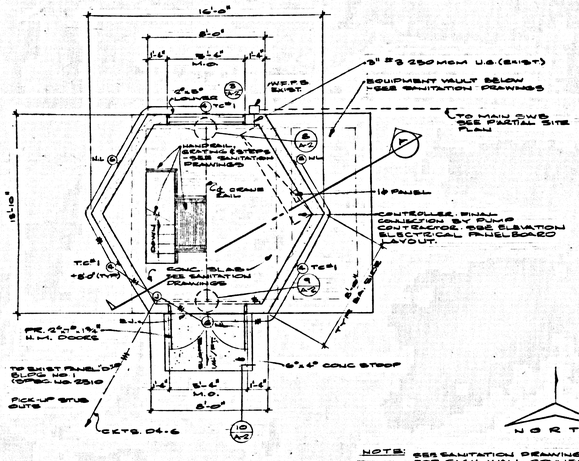
REFER TO NOTES, SHEET 14

PUDDINGSTONE SWIM PARK PUMP STATION - C.C. 8238

STRUCTURAL

DESIGNED BY: GIRAUD	CHECKED: B. Scanlon	DRAWN: T. Weber
Date: R.C.E. No. 17722	SCALE: As Noted Above	SHEET 15 OF 18 SHEETS

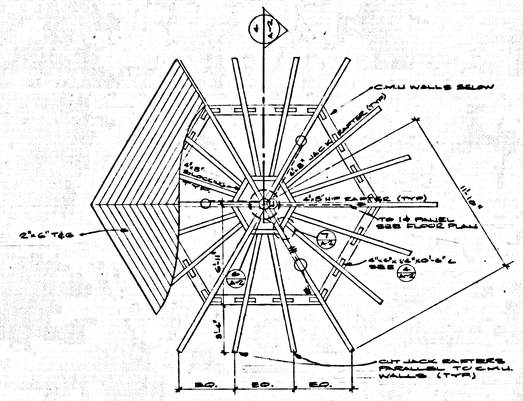
43032



FLOOR PLAN

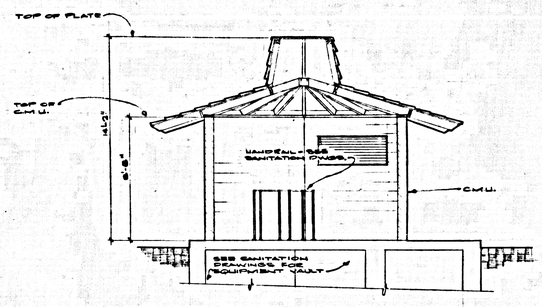
SCALE: 1/4"=1'-0"

NOTE: SEE SANITATION DRAWINGS FOR CMU. WALL CONNECTION TO VAULT TOP AND PIPE, MECH & ELECT. EQUIP. LAYOUT



ROOF FRAMING PLAN

SCALE: 1/4"=1'-0"

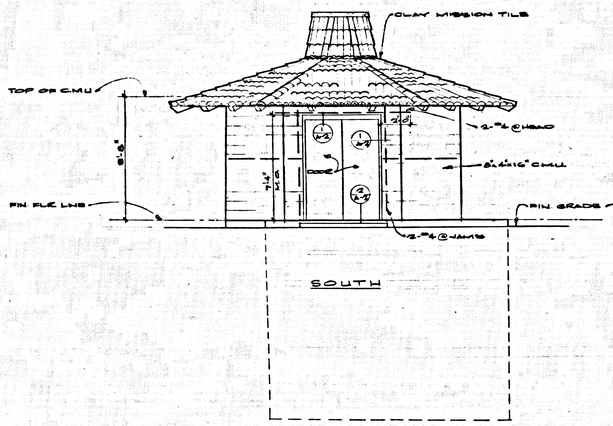


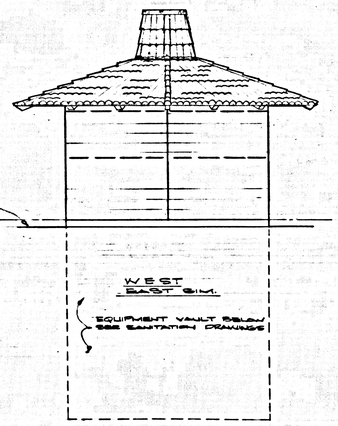
SECTION (A)

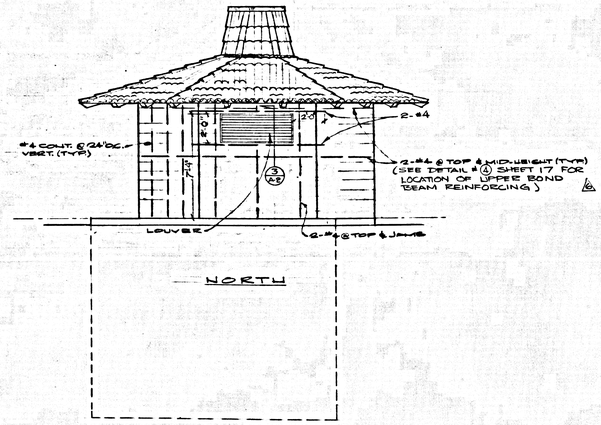
SCALE: 1/4"=1'-0"

SYMBOLS

- ● - SINGLE POLE LIGHT SWITCH
- ○ - SURFACE MTD. W.P. INCANDESCENT FIXTURES - SHOOT HOLMAN VS 18.
- ⊕ - JUNCTION BOX
- □ - PULL BOX
- ——— EXPOSED CONDUIT RUN
- ——— CONCEALED CONDUIT RUN
- ——— UNDERGROUND CONDUIT RUN
- (L) (MTD LIGHT) TO-1, TIME CLOCK (SEC) W.P. WEATHERPROOF; (PB, PULL BOX) V.P. VAPOR PROOF.
- ⓦ WALL MTD. INCANDESCENT W.P. LBAM OR EQUAL POLYCARBONATE CYLINDRICAL GLOBE, TAMPER-PROOF TO MATCH BUILT, NUMERAL "4" INDICATES CIRCUIT NUMBER IN EXISTING PANEL "D" IN BLDG. NO. 1, ALL OR TO-1 AS NOTED.



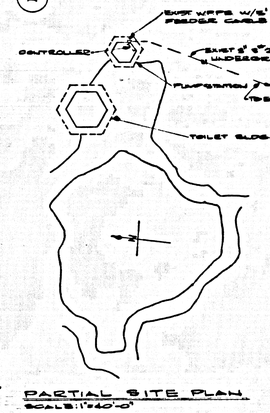




ELEVATIONS

SCALE 1/4"=1'-0"

NOTE: See sheets 14 & 15 for foundation details



PARTIAL SITE PLAN

SCALE: 1"=40'-0"

REVISED 7-7-70

- ● ADD CLARIFICATION NOTE PER BLDG & SAFETY REQ
- △ ADD CLARIFICATION NOTE RE: BOND BM REINF

APPROVED: DATE

DEPARTMENT OF THE COUNTY ENGINEER
ARCHITECTURAL DIVISION
COUNTY OF LOS ANGELES

JOE CATHEY MARCH 1970 CHECKED BY
F.E. KELLY CORRECTED BY
CHECKED BY

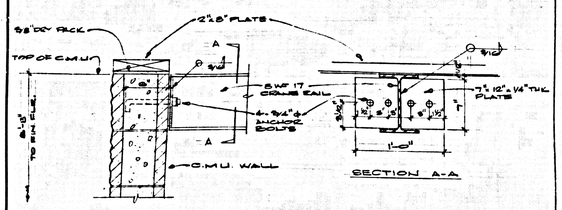
LA CO. DRWG. NO. 1570

PUDDINGSTONE SWIM PARK PUMPSTATION
C.O. 8238
ARCHITECTURAL

PUMPSTATION FLOOR PLAN, ELEVATIONS & GENERAL NOTES

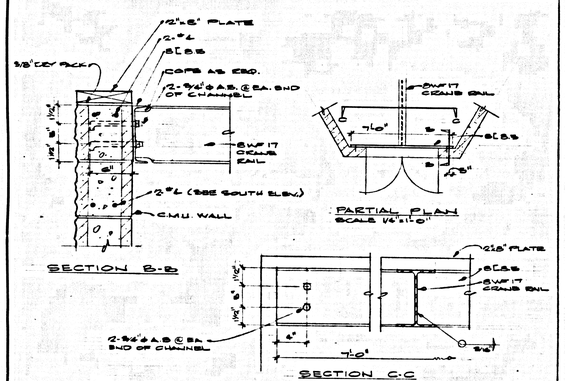
DATE
WORK ORD. NO. 8804-15
CAPITAL PROJECT NO.
SPEC. NO.
OF
SHEET NO. 16 OF 18 SHEETS

NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME
FORM 16-C0514-A-5-67



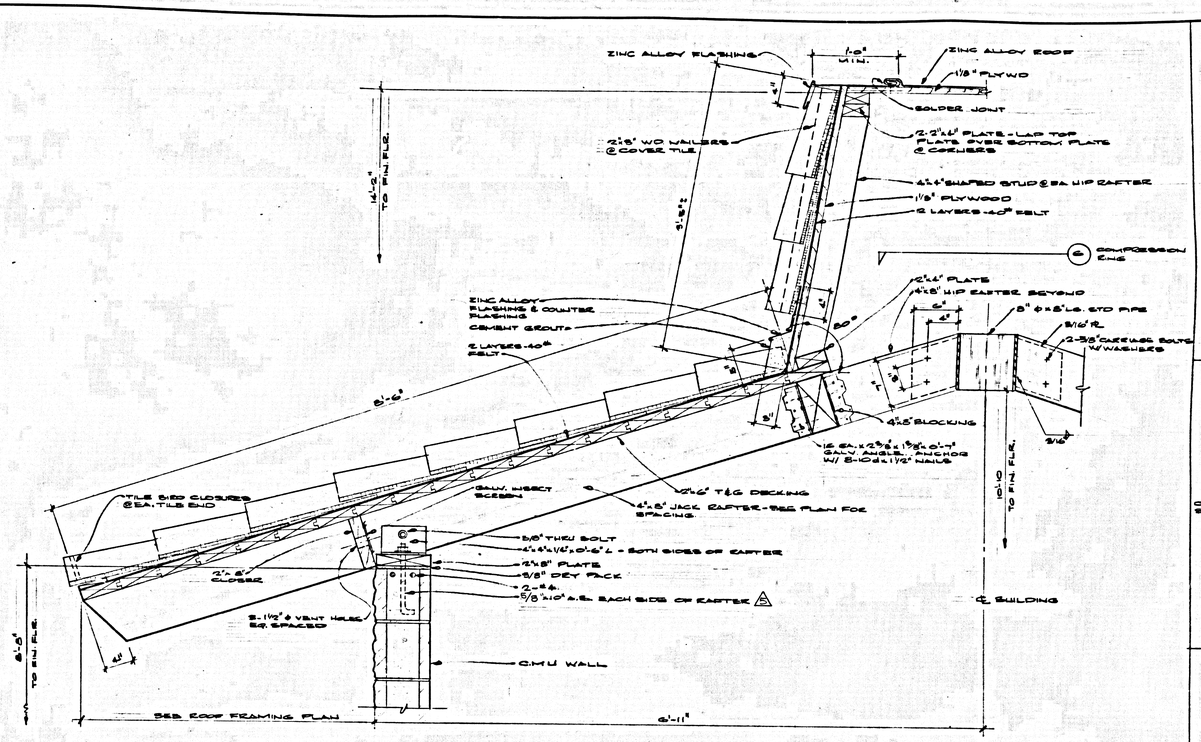
CRANE RAIL @ C.M.U.
SCALE: 1 1/2" = 1'-0"

(8)



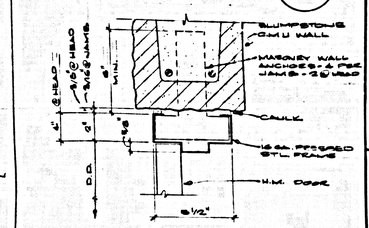
CRANE RAIL @ CHANNEL
SCALE: 1 1/2" = 1'-0"

(9)

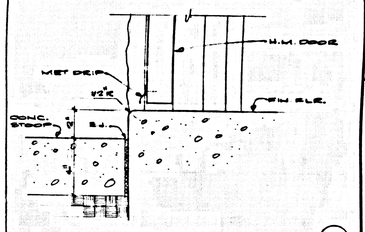


TYPICAL ROOF SECTION
SCALE: 1 1/2" = 1'-0"

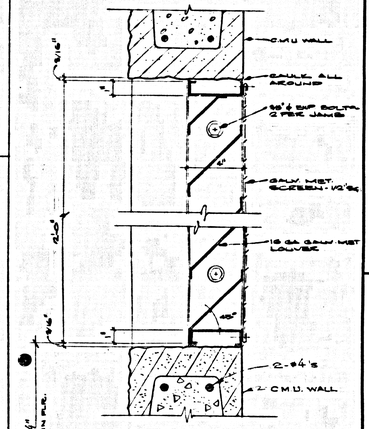
(4)



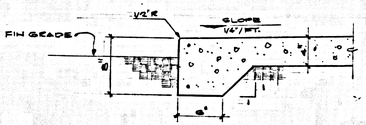
(1)



(2)

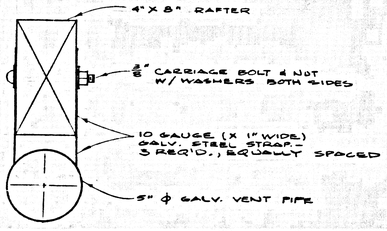


(3)

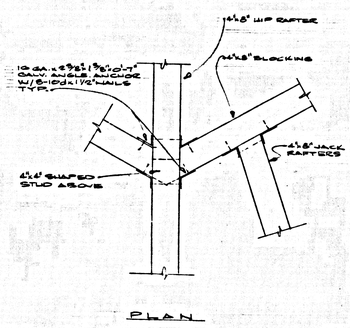


CONC. PAD FOOTING
SCALE: 1 1/2"

(10)

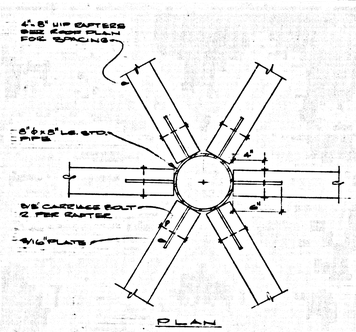


EXHAUST VENT HANGAR STRAP DETAIL



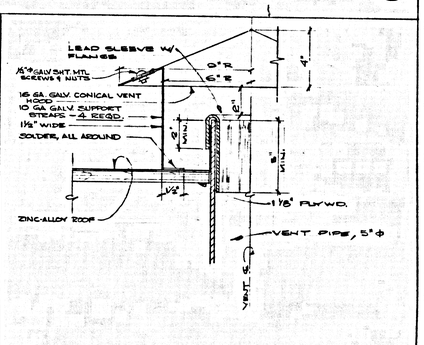
TYPICAL RAFTER FRAMING
SCALE: 1 1/2" = 1'-0"

(7)



COMPRESSION RING
SCALE: 1 1/2" = 1'-0"

(6)



FLASHING FOR VENT PIPES

(5)

NOTE:
SEE SANITATION DWGS FOR LOCATION OF PIPES

REVISED 7-7-70

● FOR CLARIFICATION, SEE NORTH ELEVATION
△ CLARIFY SIZE OF ANCHOR BOLTS REQ'D, PER BLDG & SAFETY RES'D.

ALL DETAILS SCALE 3/4"=1'-0" UNLESS OTHERWISE NOTED

DEPARTMENT OF THE COUNTY ENGINEER
ARCHITECTURAL DIVISION
COUNTY OF LOS ANGELES

M.E.P. SECTION
DRAWN BY
MODELIN
CHECKED BY
AS BUILT CORRECTIONS BY
LAYOUT BY
CHECKED BY

DATE
APPROVED
DEPUTY DIRECTOR

PUMPSTATION
ROOF FRAMING &
MISCELLANEOUS DETAILS

PUDDINGSTONE SWIM PARK
C.C. 8238

ARCHITECTURAL

DATE
WORK ORDER 8004-15
CAPITAL PROJECT 8804
SPEC. NO.
OF
SHEET NO. 17 OF 18 SHEETS

NOTE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME
760995-CB51A-0497

Interior Surfaces. Bare ferrous metal, same as exterior. Galvanized ferrous metal, same as exterior.

Wood Surface: 1 coat primer, 2 finish coats synthetic resin paint, alkyd oil extended base.

Submittals: paint schedule with material types for C.E. approval.

ELECTRICAL

1. SCOPE:

Work shall include all items appurtenant to or necessary for the completion of electrical work.

2. GENERAL REQUIREMENTS:

a. Submit materials list and catalog cuts of lighting fixtures and shop drawings of lighting poles, in quintuplicate, to the County Engineer for approval, prior to installation.

b. Before acceptance of the work, the Contractor shall demonstrate, in the presence of the County Engineer, that all portions of the electrical work are operating properly.

c. All work shall comply with the State of California Electrical Safety Orders, the Los Angeles County Electrical Codes, the electrical ordinances or codes of local authority having jurisdiction, and the specifications, whichever exceeds.

d. At completion and before acceptance of the work, record drawings shall be made, signed, dated, and turned over to the County Engineer.

e. All wiring shall be in rigid galvanized steel conduit. Runs shall be clean and dry before pulling in conductors. Underground conduit runs shall be air tested in the presence of the County Engineer and shall hold air at 5 psi for 3 minutes. Sealing compound shall be Dux Seal.

f. All underground conduits shall be polyvinyl-chloride coated by Occal Coat (Occidental Coating Company) or Plasti-Bond (Pittsburgh Standard Conduit Company) or shall be wrapped according to paragraph 3. d. below, and shall be installed 18" to 24" below grade.

3. MATERIALS:

a. Rigid steel conduit and fittings; zinc or cadmium coated, and UL labeled.

b. Conductors; National Electrical Code standard annealed copper wire, 600 volt insulation, of type RW, THW, THHN or TW, National Board of Fire Underwriters' approved for wet locations.

c. Exterior lighting fixtures; wall mounted, tamperproof, incandescent Lexan or equal polycarbonate cylindrical globe. Install 130 volt, 100 watt incandescent lamp in each fixture.

d. Conduit wrapping; (1) one coat asphalt primer (2) one coat asphalt applied hot (3) one spiral wrapping in tension of 15 pound, asphalt impregnated felt (4) one coat asphalt applied hot (5) one layer Kraft paper.

Field Joints shall be made up as follows: Clean joints thoroughly and apply one coat of asphalt, applied hot, then two half lap wrappings of kraft paper, applying hot asphalt to underside of each layer of paper while wrapping.

e. Interior lighting fixtures in building shall be surface metal, vapor tight incandescent opal globe fixture, Smoot-Holman VS18. Install 100 watt l.f. lamps.

Mission type.

General: Space rows on 10-1/2 centers with 13" exposure. Terminations at ridges.

First row of tops set in cement mortar. (see drawings roof section)

Double cover tile at eaves, using a 4" section of cover tile set in cement mortar as booster.

Where tile joins hips, fill voids with cement mortar. Joint neatly with cement mortar and cap hips with field cover tiles.

Tile applied with tile ties, lay field cover tile laps dry.

Tile applied with nails embed the laps of all field cover tiles in cement mortar. All tile in contact with mortar shall be immersed in water for 2 minutes before laying.

Eave Closures:

Mfg. Standard install at eaves. (For Bird proofing and Wind damage)

4. CARPENTRY:

General: Construction and requirements in accordance with Chapter 25 Wood U.B.L.

Framing: Douglas Fir Construction Grade 122B & 123B.

Rafters: Jacks & Hips Select Structural 122a.

Decking: Select Dex 127B. (T & G)

Note. Numbers refer to W.C.L.I.B. Rule 15.

5. METALS:

Structural and miscellaneous steel per A.S.T.M. A-36. Welding by qualified welder.

Compression Ring per A.S.T.M. 120.

Bolts and nuts, low carbon steel per A.S.T.M. 307 Grade B.

Reinforcing Steel: Bars A.S.T.M. Designation A-615 Grade 40. for required size and use.

Submit brochure or shop drawings for metal work, to the C.E. for approval, prior to fabrication or installation.

Sheet Metals: Zinc-base alloy containing copper titanium, manganese and chrome. Material and supplier C.E. approved.

Thickness 0.027.

Tensilestrength, P.S.I. 32,000.

Method of attachment: Aluminum nailing or screws and soldering.

Note. Seam and solder flashing at hexagon roof breaks.

Zinc coated sheet steel A.S.T.M. A-525, Class 1.25 Commercial (pre-treated for painting).

Soldering use 50-50 solder cut muriatic acid or a non-corrosive type flux. Solder metal per A.S.T.M. B-32.

Doors and Frames:

a. Mfg. Stock Hollow Metal Doors Flush Face. 18 ga. steel face sheets interlocked to stiles or edge channels closed top & bottom with channel face sheets. Internally reinforced and sound deadened. All door parts welded together, provide full length 1/8" x 2" metal astragal, screwed to active door leaf.

b. Stock frames pressed metal 16 ga. formed with integral stops and rabbets. Provide floor jamb anchorage. Shop coat doors and frames.

Louver: Furnish and install with fixed blades and screen, accurately cut with all edges smooth, square and straight. Sheet steel 16 ga. galv. Frame same construction as louver, with mitered corners. Connections continuously soldered.

6. HARDWARE:

Stanley	3 Pr Butts BB179 USP 4-1/2 x 4-1/2 NRP
Sargent	Lockset, keyed 1626714
Quality	2 Flush Bolts 1358-12 x US26D
Norton	2 Door Holders 2 x SB
B.B.W.	1 Threshold 400A x m/s & Anchors

Other standard named Builders Hardware acceptable as approved by the C.E.

7. PAINTING:

General:

Paint exterior and interior building surfaces. Paint products best quality of Standard Manufacturer.

Exterior paint: (SE = 2 coats synthetic enamel).

Bare ferrous metal, rust-inhibitive primer and SE.

Galvanize ferrous metal prime coat of zinc dust-zinc oxide or zinc chromate and SE.

Wood exterior wood primer and SE.

SPECIFICATIONS

43034

ARCHITECTURAL

1. GOVERNING STANDARDS:

a. Requirements of the latest edition of the Los Angeles County Building Laws apply, except where exceeded by the following:

b. U.B.L. refers to County of Los Angeles Uniform Building Laws, latest edition.

c. U.B.C. refers to Uniform Building Code.

d. A.S.T.M. refers to American Society for Testing Materials.

e. S.S.P.W.C. refers to Standard Specifications for Public Works Construction.

f. Abbreviations, word or symbol refers to 1-3 S.S.P.W.C.

g. C.E. refers to County Engineer.

h. L.A.C.R.D. refers to Los Angeles County Road Department.

i. U.B.C. and S.S.P.W.C.: The most restrictive provision shall govern in cases of conflict.

j. W.C.L.I.B. refers to West Coast Lumber Inspection Bureau.

2. CONCRETE MASONRY UNITS:

As per S.S.P.W.C.:

202-2	*Concrete Block (Type: Slump Block)
202-2.1	Material
202-2.1.1	Masonry Units
202-2.1.2	Grout
	Mortar type S as per U.B.L.
303-4	Masonry Construction
303-4.1	Concrete Block Masonry
3003-4.1.1	General
303-4.1.2 thru 4	Construction placing reinforcing steel protection and curing.

** Mortar, block, color, and joints:** Match new pavillion building (tan range).

Coordinate with Williamson and Morris, Long Beach, California, phone 424-0614. Reference Spec. #2510

Block samples: Submit five block samples with Architects approval for C.E. approval.

Reinforcing steel: Refer to "Metals."

Bar placement: Laps, masonry 40 dia. min.

● PROVIDE CLEANOUT- INSPECTION HOLES AT BOTTOM OF ALL CELLS TO BE GROUTED, IF GROUT POUR EXCEEDS FOUR (4) FEET IN HEIGHT. CLOSE HOLES WITH BLOCK UNITS TO MATCH WALLS PER L.A.CO. BUILDING LAWS SEC 2418 (b)

3. CLAY ROOFING TILE:

Qualifications:

Products herein specified.

Summary:

One layer Black Sheathing	07 lbs.
Two layers #40 Base Sheet	
A.S.T.M. D-226-T Type 1	80 lbs.
Asphalt A.S.T.M. D-312 Type 250-225 degree F.M.P.	
H.M.P. mopping btwn. plies (@ 25 #)	25 lbs.
(Apply asphalt-average temperature 370 to 450 degrees F.)	
	112 lbs. (total wt.)

Lead jacks at roof penetrations.

Tile:

General: Comply with U.B.C. Chapter 32-12-64, for strength and absorption.

Mission type. Weight 1000 #/per sq., color and surface shall match new pavillion building. For tile type approval call Williamson and Morris, Long Beach, California, phone 424-0614, reference Specification #2510.

Submit five tile samples for C.E. approval.

Tile Fastenings: Copper nails d. Approved by Building and Safety cupola (hexagon shape) ceiling exposed no nail penetrations thru decking.

Field Strips: 2 x 3's pressure treated D.F. Nailed @ 10-1/2" o.c. @ cupola (hexagon shape)
Tile fasteners @ T & G decking (at low pitch roof).
Cooper (Bitnes or equal) 10 ga. fasteners system as per manufacturer's specifications and approved by Building and Safety.

Execution: Lay roofing on clean, dry, smooth decking.

Installation:

Lay one layer of Black Sheathing.
Lay two layers #40 base sheet lapping 19" and leaving a 17" exposure, in accordance with hexagon shape roof.
Mop solidly btwn. (25# per sq. approx. btwn. layers. Blind nails 12" o.c., 1" down from top edge.

REVISED 7-7-70

ADD NOTE RE: CLEANOUT-INSPECTION HOLES PER BLDG & SAFETY REQ.

DEPARTMENT OF THE COUNTY ENGINEER
ARCHITECTURAL DIVISION
COUNTY OF LOS ANGELES

APPROVED: DATE: CHIEF ARCHITECT

JOB CAPTAIN: J. MARTIN
DRAWN BY: J. WALTON
CHECKED BY:
AS BUILT CORRECTIONS
E.S.P.D.

PUDDINGSTONE SWIM PARK PUMP STATION
C.C. 8238
ARCHITECTURAL

ARCHITECTURAL SPECIFICATIONS
SEE ALSO THE TECHNICAL PROVISIONS

DATE
WORK ORDER: BSC4.15
CAPITAL PROJECT: BSC4
SPEC. NO.
OF
SHEET NO. 18
OF 18 SHEETS

NOTE: CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. NO ORDERS - CHANGES