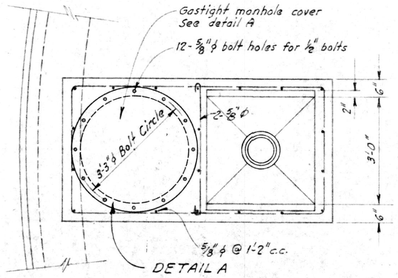
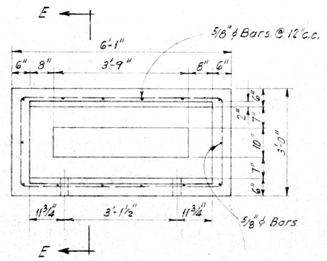


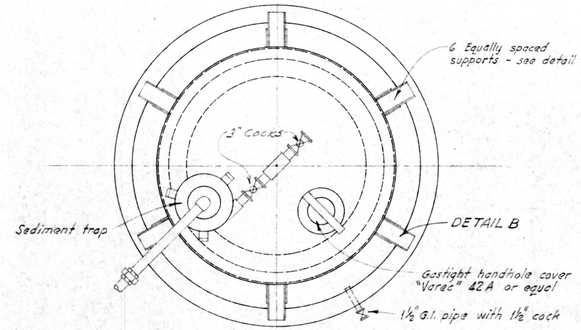
PLAN

MANHOLE & SLUDGE INLET BOX
Scale 1/2" = 1'-0"



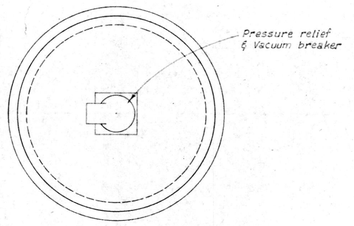
PLAN

HEAT EXCHANGER PORT
Scale 1/2" = 1'-0"



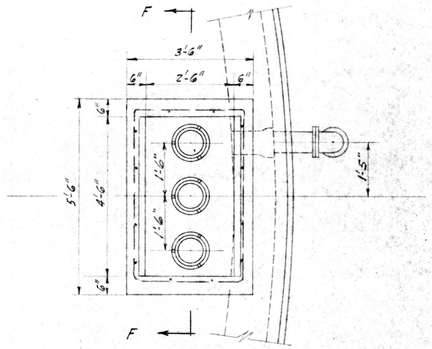
PLAN

GAS DOME
Scale 1/2" = 1'-0"



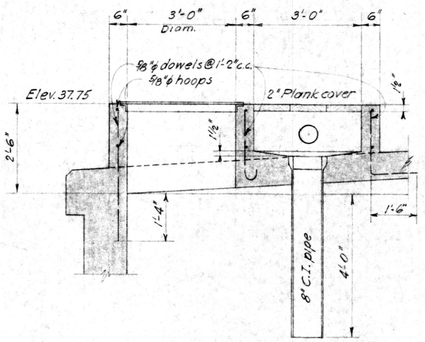
PLAN

MIXER PORT
Scale 1/2" = 1'-0"
(Mixer mechanism not in this Contract)

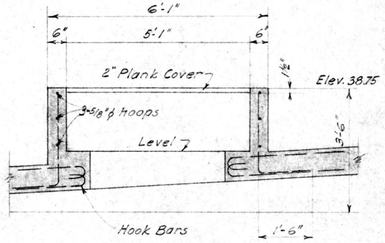


PLAN

OVERFLOW BOX
Scale 1/2" = 1'-0"



SECTION



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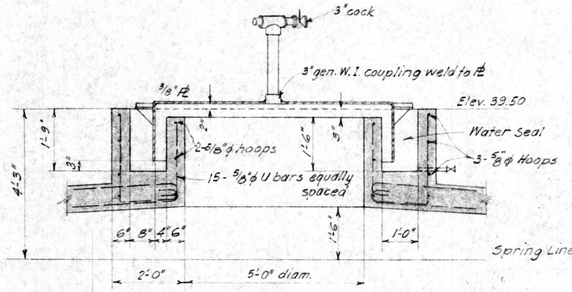

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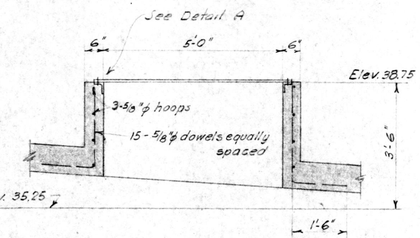

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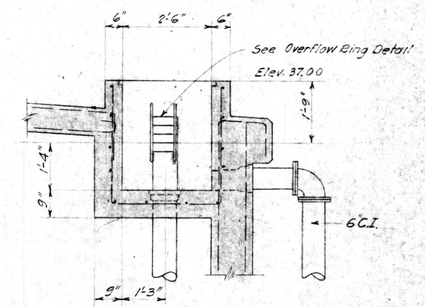

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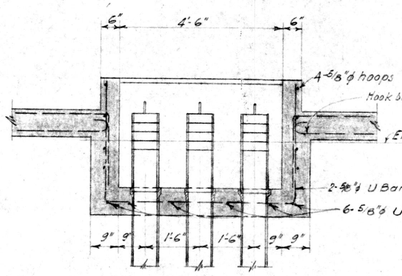
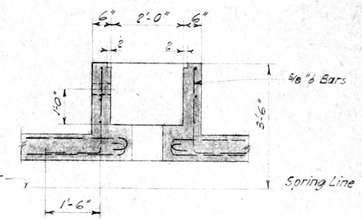
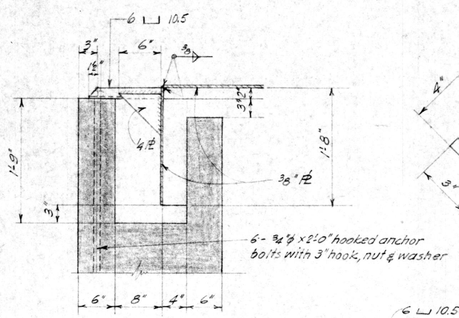


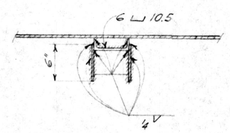
SECTION F-F
Scale 1/2" = 1'-0"



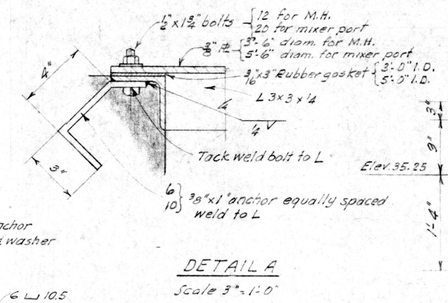
SECTION E-E
Scale 1/2" = 1'-0"



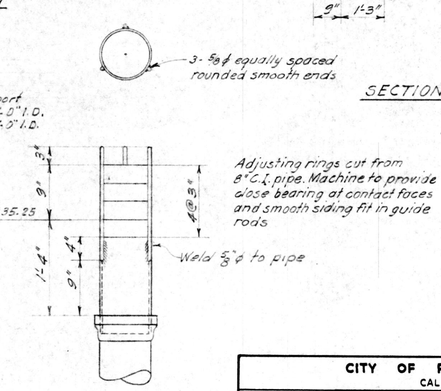
DETAIL B
Scale 1" = 1'-0"



SECTION THRU SUPPORT
Scale 1" = 1'-0"



DETAIL A
Scale 3" = 1'-0"



SECTION

Adjusting rings cut from 8" C.I. pipe. Machine to provide close bearing at contact faces and smooth sliding fit in guide rods

OVERFLOW RING DETAIL
Scale 1" = 1'-0"

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CITY OF PACIFIC GROVE
CALIFORNIA

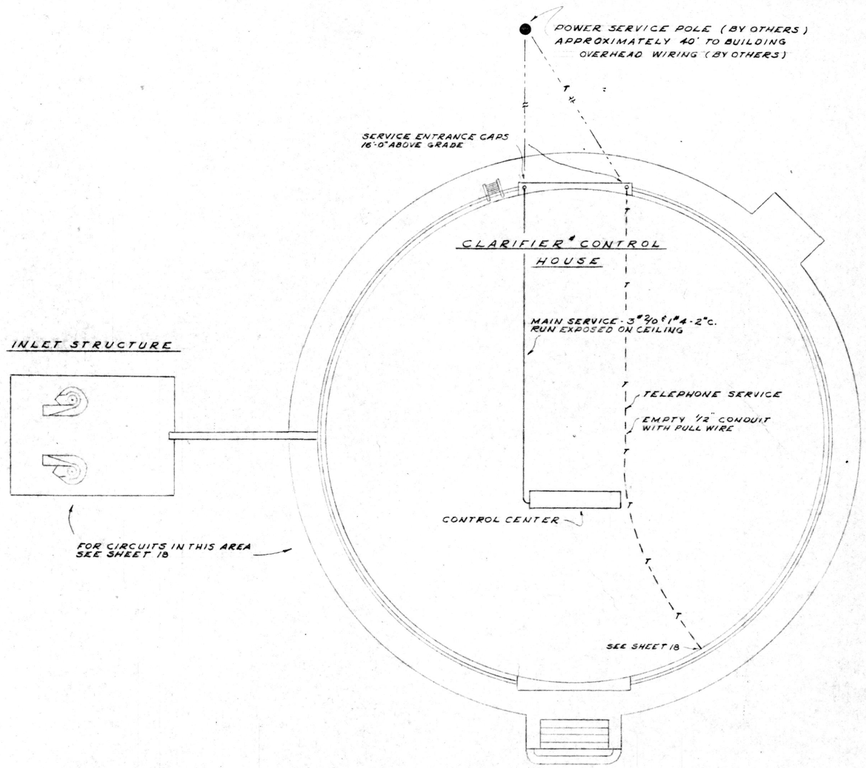
SEWAGE PUMPING & TREATMENT WORKS

SLUDGE DIGESTER
MISCELLANEOUS DETAILS

Alfred D. Coons - City Manager & Engineer
Harry N. Jenks - Consulting Sanitary Engineer
Palo Alto, California

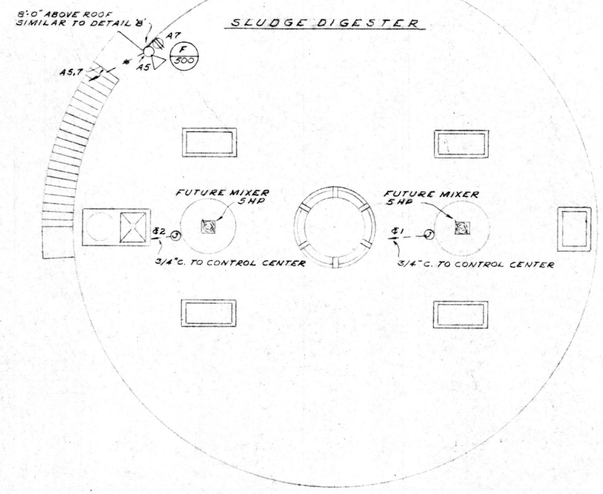
Drawn by: G.E.P. & H.S.W.	Scale: As Shown
Checked by: P.L.A.	Date: January 1952

D6-08 P



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

For Structural Layout Plan, See Sh. 2

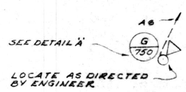


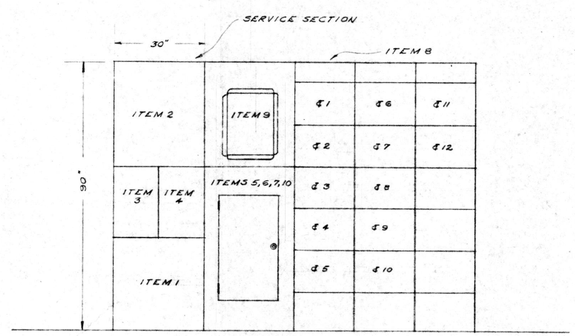
CONTROL CENTER SCHEDULE		
ITEM	DESCRIPTION	REMARKS
1	CIRCUIT BREAKER - 3 POLE - 150 AMP.	MAIN BREAKER
2	CURRENT TRANSFORMER SPACE	TRANSFORMERS BY UTILITY CO.
3	METER SOCKET - 3 PHASE - 4 WIRE DELTA	METER FURNISHED & INSTALLED BY UTILITY CO.
4	METER SOCKET SPACE ONLY - BLANK	
5	CIRCUIT BREAKER - 2 POLE 70 AMP.	CONTROLLING PANELBOARD 'A'
6	CIRCUIT BREAKER - 3 POLE - 100 AMP.	CONTROLLING MOTOR CONTROL CENTER
7	PANELBOARD 'A'	16 SINGLE POLE - 20 AMP. CIRCUITS
8	MOTOR CONTROL CENTER	SEE SCHEDULE BELOW
9	FLOW METER REGISTER	
10	SPACE ONLY - CIRCUIT BREAKER - 2P - 100 A	

MOTOR CONTROL CENTER SCHEDULE					
#	CONTROLLING	STARTER SIZE	POLES	TRIP	AUXILLIARY EQUIPMENT
1	FUTURE MIXER DRIVE	1	3	30 AMP.	START - STOP WITH PILOT
2	FUTURE MIXER DRIVE			30	
3	SLUDGE PUMP			30	
4	FUTURE SLUDGE PUMP			30	
5	WATER SUPPLY PUMP			15	HAND-OFF-AUTO WITH PILOT
6	VENTILATING BLOWER			15	START - STOP WITH PILOT
7	EFFLUENT PUMP			15	
8	COMMINUTOR			15	
9	COMMINUTOR			15	
10	CLARIFIER DRIVE MOTOR			15	
11	HOT WATER RECIRCULATING PUMP			15	
12	HOT WATER RECIRCULATING PUMP			15	

LIGHTING FIXTURE SCHEDULE					
SYMBOL	MANUFACTURER & NO.	LAMP	NO.	MOUNTING	REMARKS
A	DAY-BRITE #66267-6	96" T-12	2	UP 8'-0"	
B	BENJAMIN RLM DOME # 3664	300 W. IF	1	JUNCTION BOX	
C	SMOOT-HOLMAN LH-1110	75 W. IF	2	SURFACE	
D	BENJAMIN #6811 OP	100 W. IF	1	WALL	
E	REVERE #7113 WP	200 W. GS	1	WALL	FOCUS ON STAIRWAY
F	REVERE #7143 WS	500 W. GS	1	POLE-TOP	SEE DETAIL 'B'
G	REVERE #7172 WP	750 W. GS	1	POLE-TOP	SEE DETAIL 'A'
H	BENJAMIN #C351	150 W. IF	1	JUNCTION BOX	
J	HOLOPHANE #8615	150 W. IF	1	WALL	

NOTE:
THE CONTRACTOR SHALL PROVIDE ON THE SWITCHBOARD AND PROPERLY CONNECT-UP AN OVERLOAD ALARM SYSTEM FOR THE CLARIFIER DRIVE IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS. (SEE SPECS.)





CONTROL CENTER ELEVATION

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CITY OF PACIFIC GROVE
CALIFORNIA

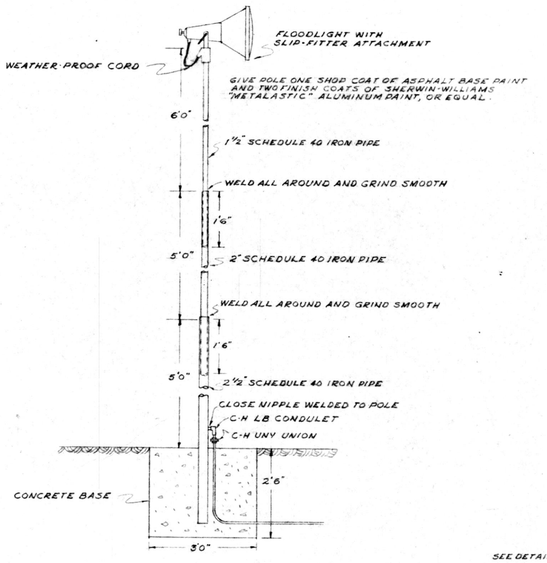
SEWAGE PUMPING & TREATMENT WORKS

SEWAGE TREATMENT PLANT ELECTRICAL LAYOUT

Alfred D. Coons - City Manager & Engineer
Harry N. Jenks - Consulting Sanitary Engineer
Palo Alto, California

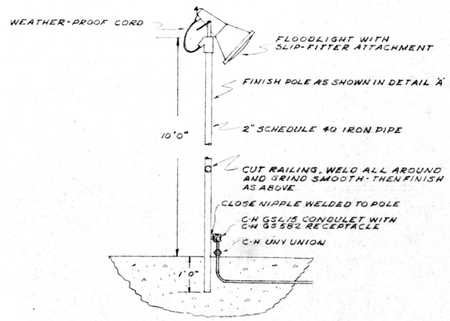
Drawn by: L.	Scale: As Shown
Checked by: G.S.E.	Date: January 1952

D6-08 Q



FLOODLIGHT MOUNTING DETAIL 'A'

NO SCALE



FLOODLIGHT MOUNTING DETAIL 'B'

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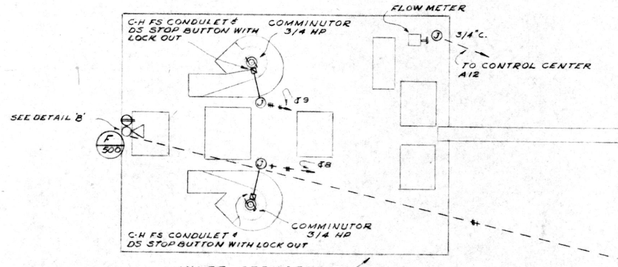
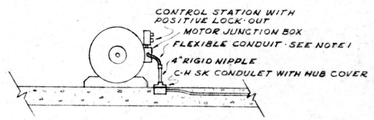
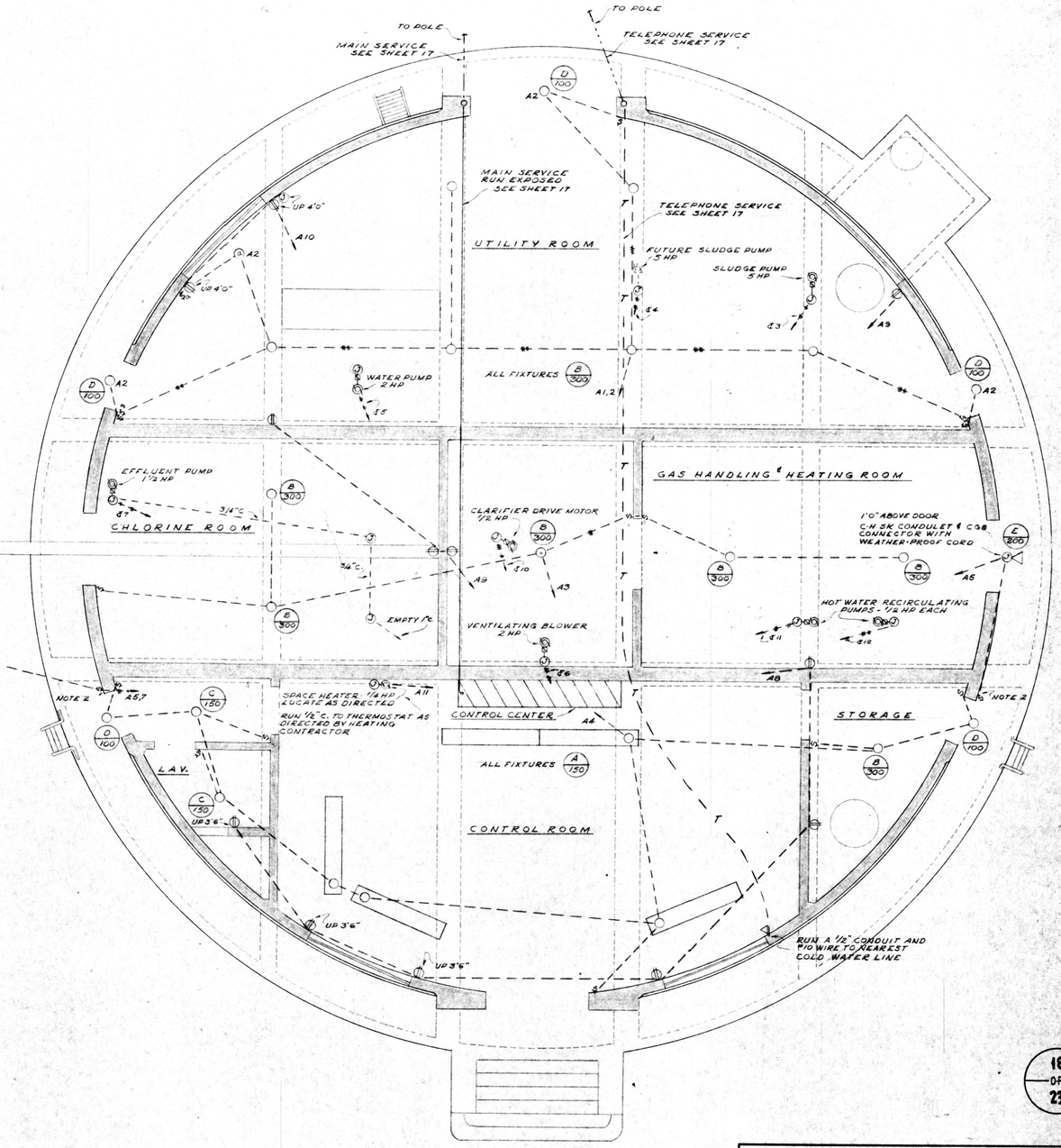


INLET STRUCTURE



TYPICAL MOTOR CONNECTION

NO SCALE



ELECTRICAL LEGEND

- LIGHTING OUTLET AND FIXTURE
- JUNCTION BOX C-H SK CONDULET & HUB COVER
- DUPLEX RECEPTACLE
- FLOODLIGHT AND MOUNTING STANDARD
- MOTOR OUTLET AND CONNECTIONS
- TELEPHONE OUTLET & JUNCTION BOX
- STOP-BUTTON WITH POSITIVE LOCK-OUT
- $ SINGLE POLE SWITCH
- $3 THREE-WAY SWITCH
- CONDUIT EXPOSED
- CONDUIT CONCEALED IN SLAB OR BELOW GRADE
- LIGHTING FIXTURE IDENTIFICATION SYMBOL

NOTES

1. MOTOR CONNECTIONS EXPOSED TO WEATHER SHALL BE MADE WITH WEATHER-PROOF FLEXIBLE CONDUIT.
2. SWITCHES EXPOSED TO WEATHER SHALL BE IN C-H FS CONDULET AND HAVE DS TUMBLER SWITCH COVER.
3. MAIN SERVICE FOR THE FOUR PUMPING PLANTS SHALL BE TYPE RW, 600 VOLT WIRE IN RIGID CONDUIT, SIZED AS SHOWN ON SHEET 22. CONTRACTOR'S BID SHALL INCLUDE 150' OF SERVICE AND POLE RISER FOR EACH.

CITY OF PACIFIC GROVE
CALIFORNIA

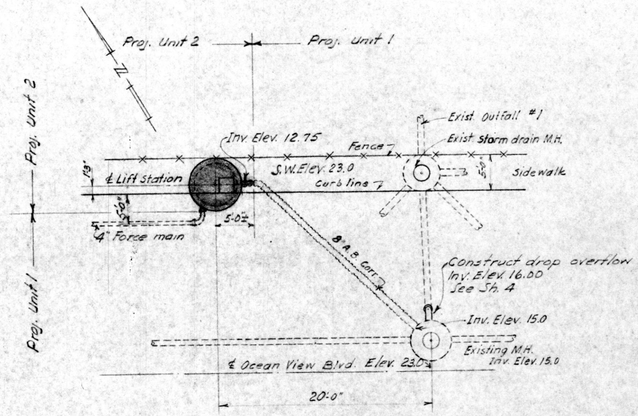
SEWAGE PUMPING & TREATMENT WORKS

SEWAGE TREATMENT PLANT ELECTRICAL DETAILS

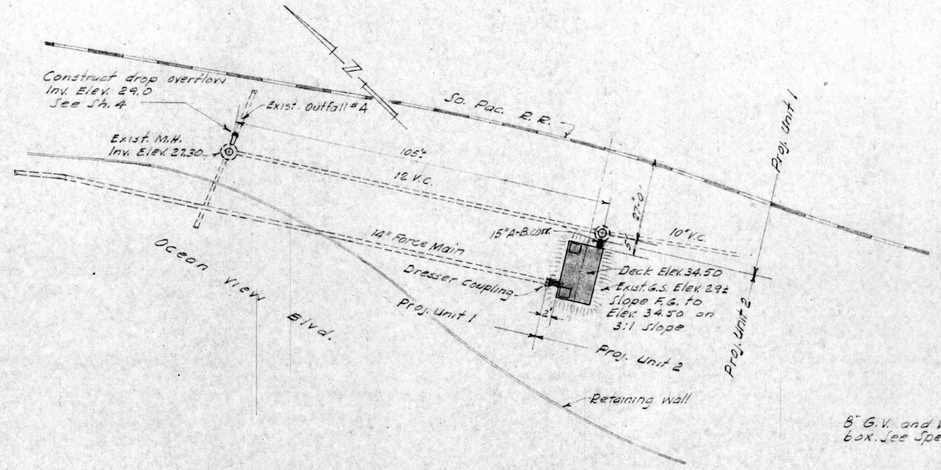
Alfred D. Coons - City Manager & Engineer
Harry N. Jenks - Consulting Sanitary Engineer
Palo Alto, California

Drawn by: L.	Scale: As Shown
Checked by: G.S.E.	Date: January 1952

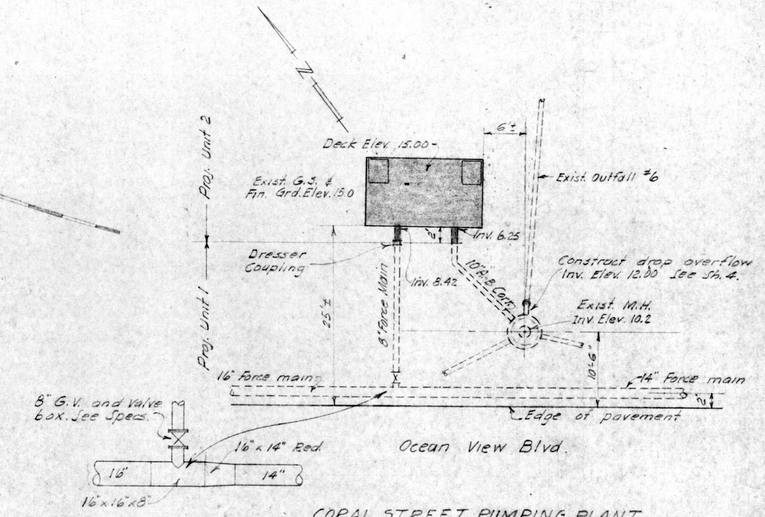
D6-08R



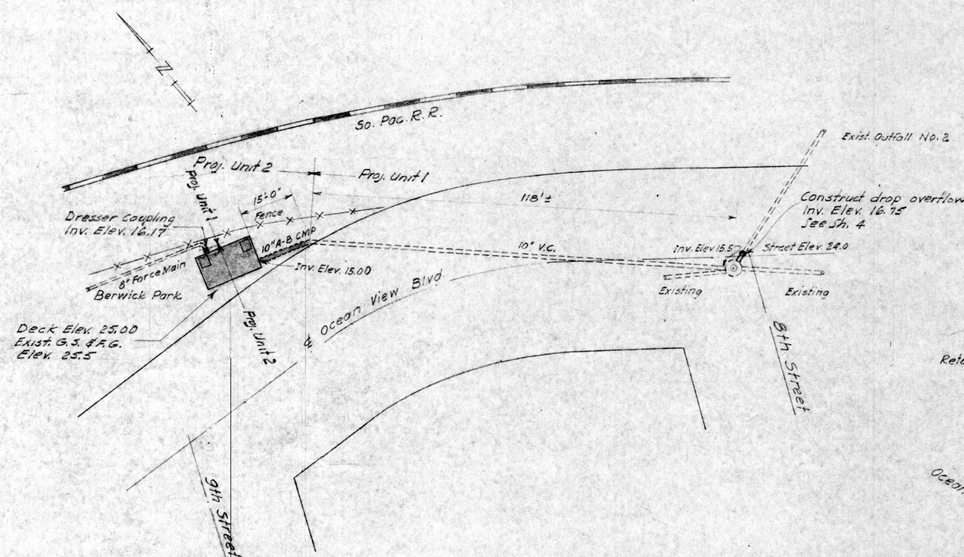
EARDLEY AVENUE LIFT STATION
Scale 1" = 10'-0"



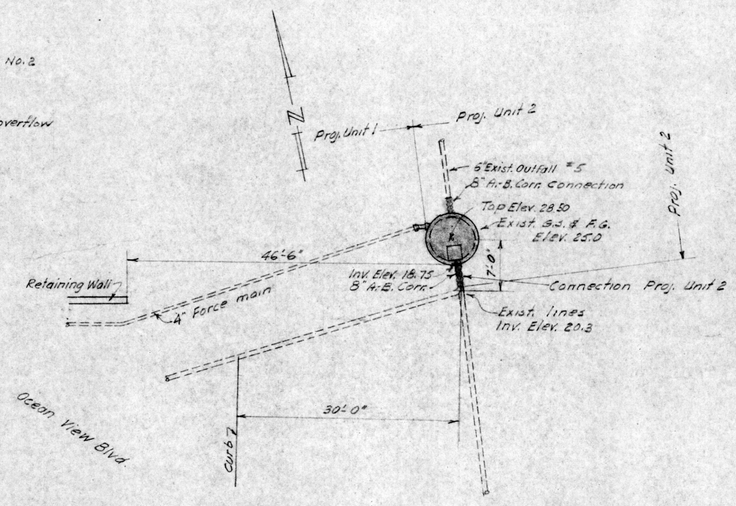
FOUNTAIN AVE. PUMPING PLANT
Scale 1" = 20'-0"



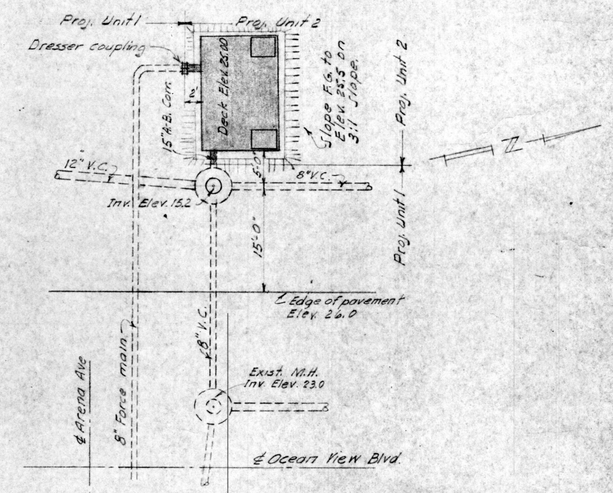
CORAL STREET PUMPING PLANT
Scale 1" = 10'-0"



NINTH STREET PUMPING PLANT
Scale 1" = 20'-0"



LOVERS POINT LIFT STATION
Scale 1" = 10'-0"



ARENA AVENUE PUMPING PLANT
Scale 1" = 10'-0"

Note: Those features shown shaded are to be included under Project Unit 2. Dresser couplings and connections of influent lines and force mains are to be furnished and made under Project Unit 1, except as otherwise noted for Lovers Point Lift Station.

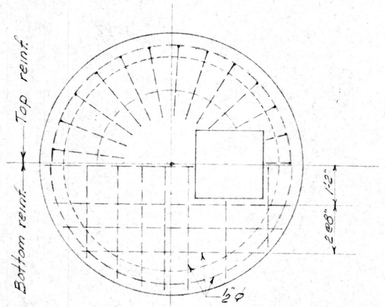
19 OF 23

CITY OF PACIFIC GROVE CALIFORNIA	
SEWAGE PUMPING & TREATMENT WORKS	
PUMPING PLANTS & LIFT STATIONS SITE PLANS	
Alfred D. Coons - City Manager & Engineer Harry N. Jenks - Consulting Sanitary Engineer Palo Alto, California	
Drawn by: H.S.W. & P.L.A.	Scale: As Shown
Checked by: J.H.J.	Date: January 1952

D6-08S

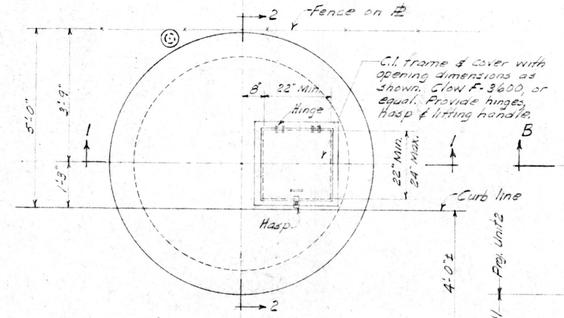
NOTES

1. For details of mechanical equipment, see Specifications.
2. Each pump shall be provided with electrical starting and control equipment, as specified, together with mechanical alternator.
3. Provide electric light and switch as indicated.
4. Provide ventilator as specified. Provide circuit so that ventilator motor will start and stop with the turning on and off of the light.

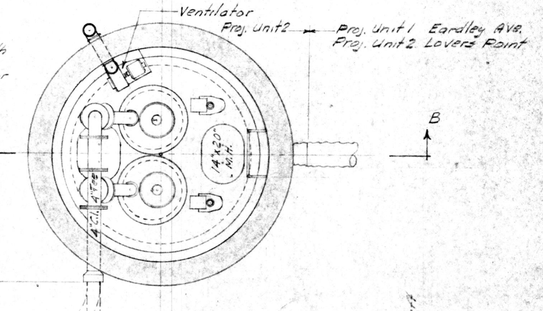


TOP SLAB - LOVERS POINT

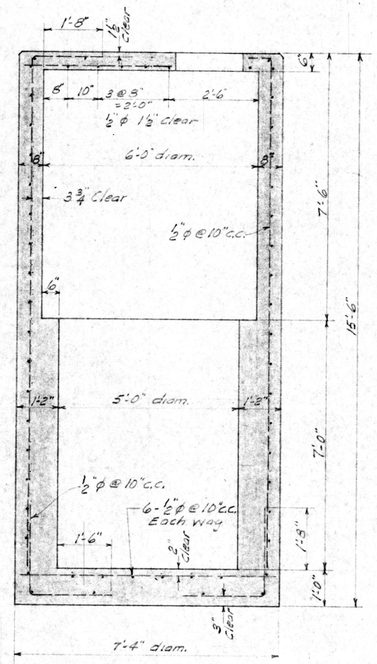
M.H. Cover same as for Eardley Ave.



PLAN - EARDLEY AVE.

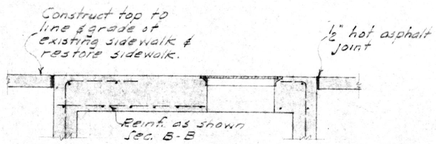


SECTIONAL PLAN A-A

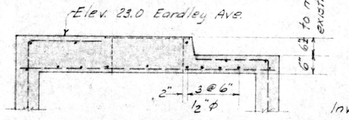


SECTION B-B

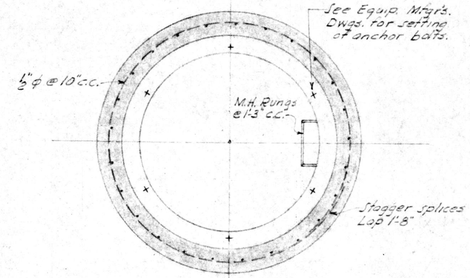
Top slab as shown for Lovers Point only, otherwise identical for both stations.



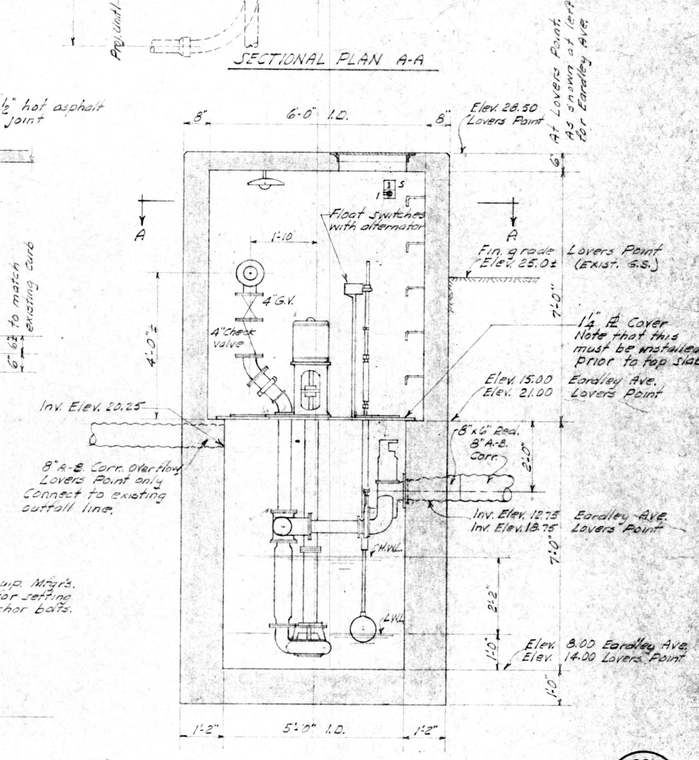
SECTION 1-1



SECTION 2-2



SECTIONAL PLAN A-A



SECTION B-B

23 OF 23

NOTES

See Specs. and site plans Sh. 19 for exterior pipework.

Lift station equipment shall be Chicago Pump Company's Type F duplex centrifugal submerged "Flush-kleen" unit, or equal. See Specs.

CITY OF PACIFIC GROVE CALIFORNIA	
SEWAGE PUMPING & TREATMENT WORKS	
EARDLEY AVENUE & LOVERS POINT LIFT STATIONS	
Alfred D. Coons - City Manager & Engineer Harry N. Jenks - Consulting Sanitary Engineer Palo Alto, California	
Drawn by: P.L.A.	Scale: 1/8" = 1'-0"
Checked by: H.N.J.	Date: January, 1952

D6-08 V