DOUBLE SCALE

PUENTE BLDG. DIST. NO. 2

PROFILE ALIGNMENT AND GRADE OF P.C. 5310
SANITARY SEWERS PAGE 1
TO BE CONSTRUCTED IN J.N. 0351.93

SANITARY SEWER RIGHTS OF WAY

PRIVATE CONTRACT NO. 5310

W.S. 39

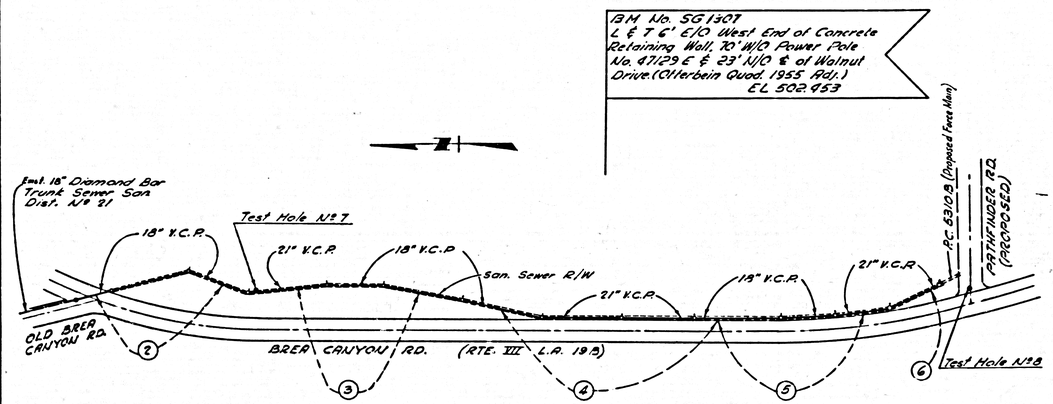
3 SHEETS; 6 PAGES

SCALE: VERT. 1"=5' HORIZ. 1"=40' JULY, 1960

30545

PREPARED IN THE OFFICES OF
QUINTON ENGINEERS, LTD.
LOS ANGELES, CALIF.
By: Charles Johnson
REG. C. E. NO. 9803

FOR LEGEND SEE PLAN NO. S-A-64



INDEX MAP
Scale: 1" = 300'
P.C. 5310

Basis of Bearings

The bearings for Brea Canyon Road as shown on Record of Survey filed in book 76 pages 51 thru 56 were used as a basis of bearings for the project.

NOTES:

1. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
2. NO REPRESENTATIVES OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
3. THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND Y BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ANY CHANGE IN LOCATION SHALL BE REQUIRED IN WRITING BY THE OWNER OR HIS REPRESENTATIVE.
4. ~~THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.~~
5. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
6. USE STANDARD MANHOLE FRAMES AND COVERS, S-a-117.
7. USE STANDARD STRENGTH PIPE EXCEPT AS NOTED.
8. USE CEMENT MORTAR OR "WEDGE-LOCK" OR "SPEED SEAL" FOR ALL V.C.P. JOINTS PER SPEC'S., SECT. 36 & 48.
9. RESURFACE ALL TRENCH WITHIN PAVED AREA TO MEET L.A. COUNTY ROAD DEPT. OR CALIF. STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
10. ENCASE FOUR FEET OF SEWER AT POINTS OF INTERFERENCE WITH POLES, CASE III, S-a-172.
11. ~~HOUSE LATERALS TO BE CONSTRUCTED WITH GRADES AS PERMITTED AND ~~ PER BLOW PIPE GRADE UNLESS AS NOTED
12. ALL STRUCTURES SHALL BE BRICK SEWER STRUCTURES, S-a-104, EXCEPT AS NOTED.
13. FOR ALLOWABLE LEAKAGE TEST USE FORMULA NO. 1 S-C's, SEC. 54.
14. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE SIX INCHES ABOVE FINISHED GRADE. EXCEPT IN ROADWAY WHERE THEY SHALL BE FLUSH
15. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ~~& INSPECTION~~ DIVISION BY TELEPHONE, MADISON 9-0141, EXT. 81551 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
16. ~~MANHOLES CONSTRUCTED IN RIGHT OF WAY TO BE CONSTRUCTED WITH 3 FEET OF MANHOLE EXTENSION PER S-a-41.~~
17. FOR BORING LOGS OF TEST HOLES SEE SPECS. SEC. 6.
18. STANDARD SPECIFICATIONS DATED DEC 19, 1960 APPLY IN THE CONSTRUCTION OF THE PROJECT.
19. THE CONTRACTOR SHALL EXERCISE ADEQUATE PRECAUTIONS, INCLUDING BRACING OF EXCAVATIONS, DURING TRENCHING OPERATIONS IN THE VICINITY OF THE M.W.D. WATER LINE.
20. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES PRIOR TO CONSTRUCTION IN THE VICINITY OF THE UTILITIES LINES.

SOUTHERN COUNTIES GAS COMPANY
METROPOLITAN WATER DISTRICT
DIAMOND BAR WATER COMPANY
SOUTHERN CALIFORNIA EDISON COMPANY

NO CHARGE FOR CONNECTIONS
N. McGinnis 11-18-60

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.

COUNTY OF LOS ANGELES, CALIFORNIA

APPROVED, JOHN A. LAMBIE, COUNTY ENGINEER — APPROVED, C. R. COMPTON, CHIEF ENGINEER

CO. SAN. DIST. NO. 21

BY _____ BY _____
ASST. SANITATION ENGINEER — OFFICE ENGINEER

CHECKED BY S.K. Wicks 12-2-60
OFFICE OF COUNTY ENGINEER, REG. C. E. NO. 9406

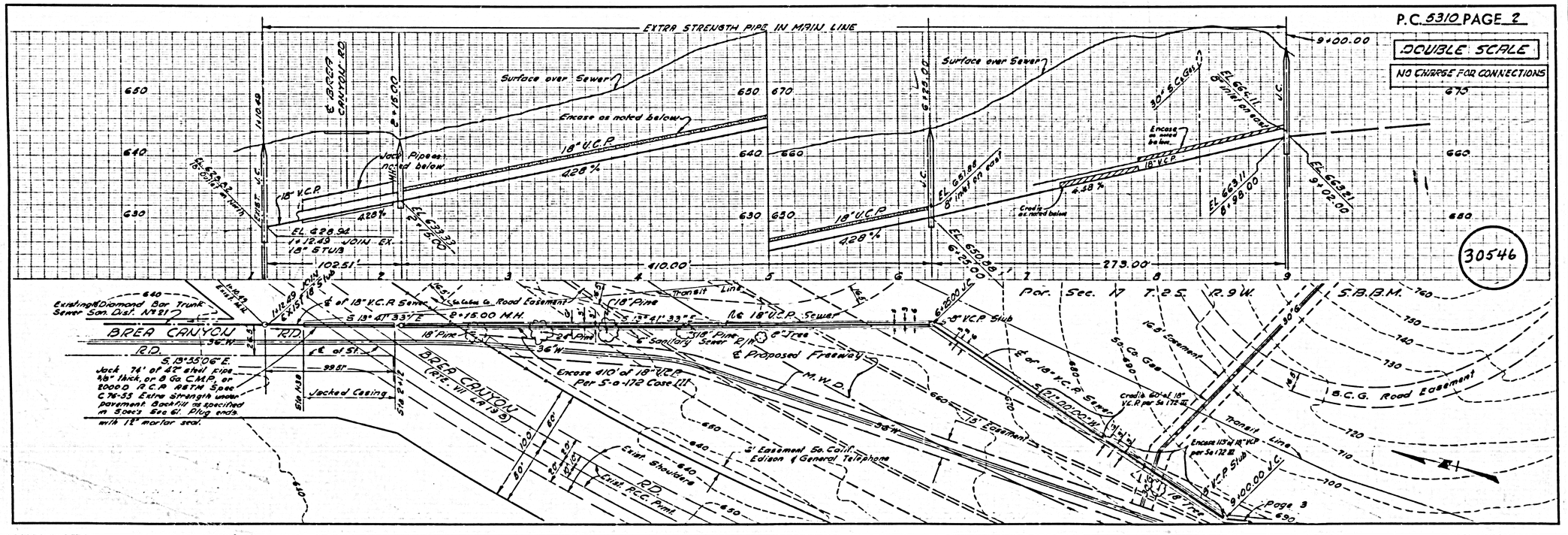
SUBMITTED SAN DIMAS REGIONAL ENGINEER

P.C. 5310 PAGE 2

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

30546



P.C. 5310 PAGE 3

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

EXTRA STRENGTH PIPE IN MAIN LINE

Surface over Sewer

9+00.00 J.C.

El. 664.11 6" Inlet on East

Encase

21" V.C.P. 1.92 %

346.00'

12+00.00 J.C.

El. 671.09 6" Inlet on East

18" V.C.P. 5.96%

42" R.C.P.

El. 669.84 12+44.00

El. 670.19 12+52.00

248.00'

15+00.00 J.C.

El. 685.97 6" Inlet on East

18" V.C.P. 5.96%

El. 684.97 15+00.00

350.00'

18+50.00 J.C.

El. 706.83 6" Inlet on East

24" C.I.P.

18" V.C.P. 5.96%

El. 705.83 18+50.00

30547

Por. Sec. 17 T. 2 S. R. 9 W. S.B.B.M.

Por. Sec. 20 T. 2 S. R. 9 W. S.B.B.M.

El. 664.11 9+00.00

El. 663.61 9+20.20

8" V.C.P. Stub

Test Hole No. 7

Encase 56' of 21" V.C.P. Per Sp. 172 III

21" V.C.P. Sewer

Encase 37' of 21" V.C.P. per Sp. 172 III

15+00.00 J.C.

8" V.C.P. Stub

18" V.C.P. Sewer

S 1° 00' 00" W

Encase 19' of 18" V.C.P. per Sp. 172

S 5° 30' 00" E

18" Tree

36" W

M.W.D.

Transit Line

66' San. Sewer R/W

Encase 8' of 18" V.C.P. per Sp. 172, III

19+50.00 J.C.

8" V.C.P. Stub

S 11° 43' 00" W

15' Easement

Exist. 42" R.C.P. Culvert

Exist. 24" C.I.P. Culvert

Proposed Freeway

Ely. R/W Line Brea Canyon Rd. (100' wide)

6' Easement So. Calif. Edison & General Telephone

Page 4

EXTRA STRENGTH PIPE IN MAIN LINE

P.C. 5310 PAGE 4

DOUBLE SCALE

NO CHARGE FOR CONNECTIONS

Surface over Sewer

18+50.00

El. 706.83 6" Inlet on East

18" V.C.P. 5.96%

El. 702.83 18+50.00

348.00'

22+00.00 J.C.

El. 727.57 6" Inlet on East

15" V.C.P. 5.96%

El. 726.57 21+98.00

El. 726.77 22+02.00

348.00'

25+50.00 J.C.

El. 734.65 6" Inlet on East

21" V.C.P. 1.92 %

El. 733.65 25+50.00

248.00'

28+00.00 J.C.

El. 738.49 6" Inlet on East

18" V.C.P. 3.92 %

21" V.C.P. 1.92%

El. 738.21 27+98.00

El. 738.66 25+02.00

448.00'

30548

Por. Sec. 20 T. 2 S. R. 9 W. S.B.B.M.

Page 3

18+50.00 J.C.

6" V.C.P. Stub

6" Tree

18" V.C.P. Sewer

S 18° 06' 53" W

15' Easement

Transit Line

8" V.C.P. Stub

22+00.00 J.C.

21" V.C.P. Sewer

S 1° 11' 15" W

San. Sewer R/W

Remove 18" Tree

8" V.C.P. Stub

25+50.00 J.C.

21" V.C.P. Sewer

Remove 12" Tree

28+00.00 J.C.

18" V.C.P. Sewer

8" V.C.P. Stub

Page 5

Remove 6" Tree

6' Easement So. Calif. Edison & General Telephone

P.P. "G/9/180" V

M.W.D.

P.P. "G 22345" V

P.P. "G 19/16" V

P.P. "G2/93" V

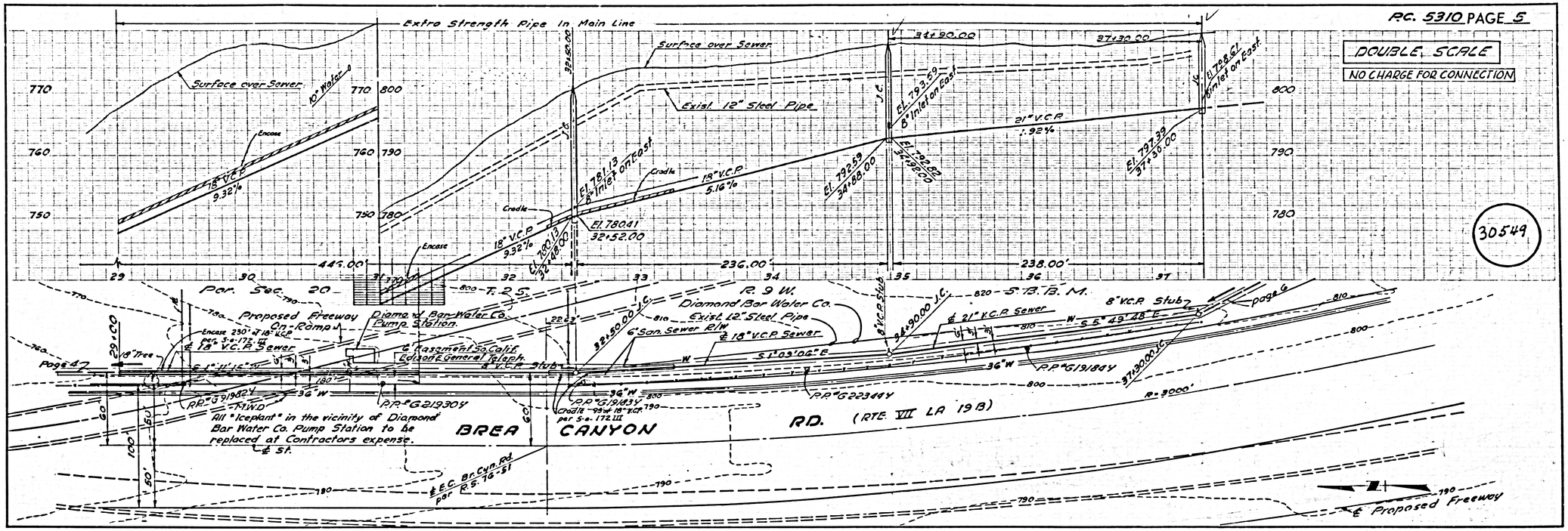
BREA CANYON RD. (RTE. VII LA 19.3)

P.C. 5310 PAGE 5

DOUBLE SCALE

NO CHARGE FOR CONNECTION

30549

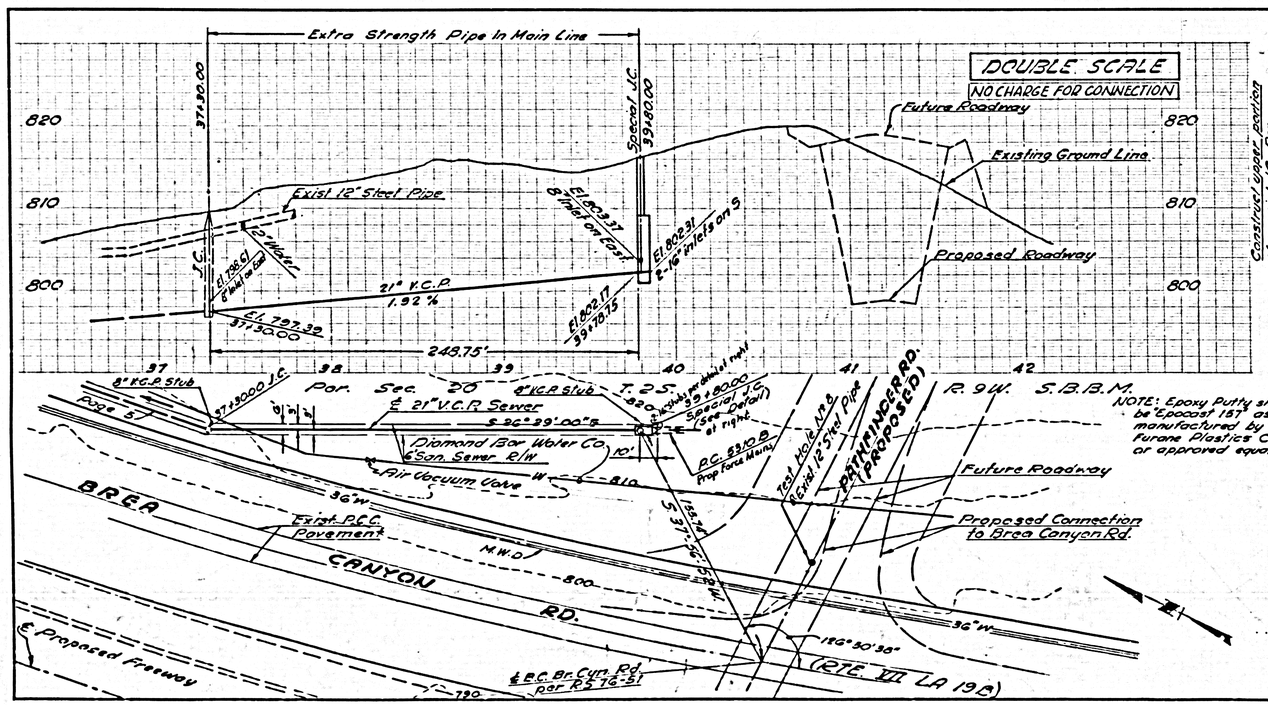


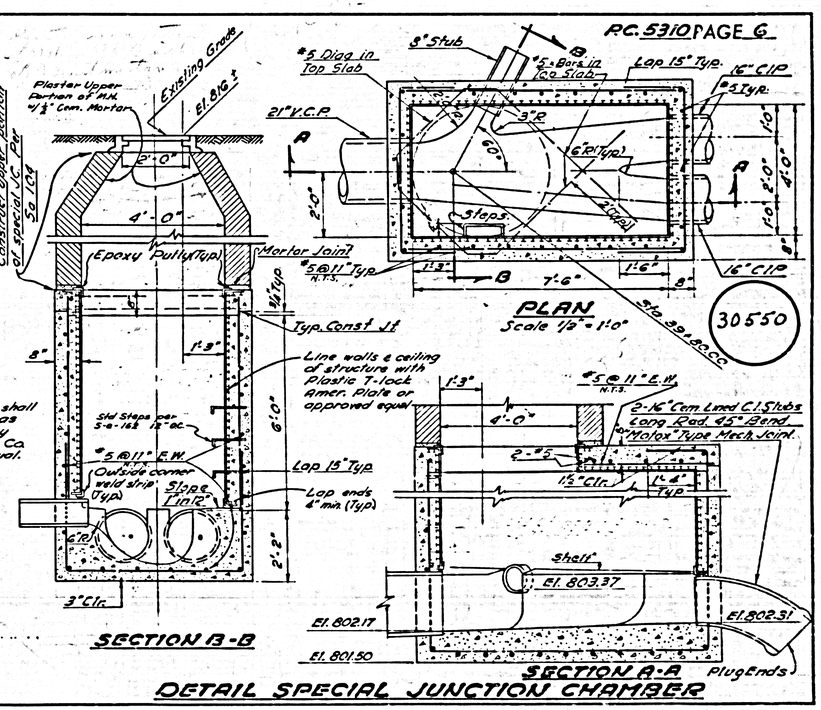
P.C. 5310 PAGE 6

DOUBLE SCALE

NO CHARGE FOR CONNECTION

30550





DETAIL SPECIAL JUNCTION CHAMBER

DOUBLE SCALE

PUENTE BLDG. DIST. NO. 2

PROFILE ALIGNMENT AND GRADE OF P.C. 5310B PAGE 1

FORCE MAIN AND SEWAGE PUMPING STATION

TO BE CONSTRUCTED IN

SANITARY SEWER RIGHTS OF WAY

FOR TRACT NO. 25991

PRIVATE CONTRACT NO. 5310B

W.S.

18 SHEETS; 20 PAGES

SCALE: VERT. AS SHOWN
HORIZ. AS SHOWN

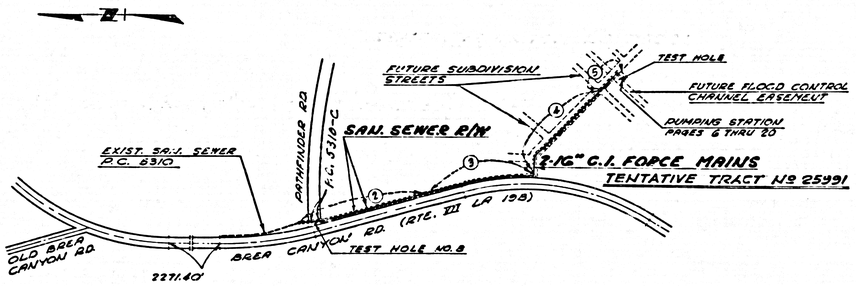
PREPARED IN THE OFFICES OF

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIF.

By Robert F. Fuller
REG. C. E. NO. 12502

32847

FOR LEGEND SEE PLAN NO. S-A-64



INDEX MAP
SCALE: 1"=600'

NOTES:

1. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAYOUT ANY PORTION OF THE WORK.
3. ~~ALL WORK TO BE PERFORMED TO THE SATISFACTION OF THE COUNTY ENGINEER SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FURNISHING AND PLACING OF SUFFICIENT SHORING AND BRACING, AND SHALL PROVIDE ADEQUATE FOR THE PROTECTION OF LIFE AND PROPERTY AND SHALL CONFORM TO REGULATIONS AND ORDERS OF THE STATE DIVISION OF INDUSTRIAL SAFETY.~~
4. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
5. USE A-1252 MANHOLE FRAME AND COVER, ALHAMBRA FDRY., DIAMOND TREAD, COVER TO READ "SEWER".
6. USE EXTRA STRENGTH PIPE.
7. USE ~~CONCRETE~~ "RUBBER-LOCK" OR "SPEED SEAL" FOR ALL RCP JOINTS PER SPEC'S.
8. RESURFACE ALL TRENCH WITHIN PAVED AREA TO MEET L. A. COUNTY ROAD DEPT., OR CALIF. STATE HIGHWAY DEPT. REQUIREMENTS IN ACCORDANCE WITH PERMITS.
9. ENCASE FOUR FEET OF SEWER AT POINTS OF INTERFERENCE WITH POLES, S-A-119.
10. ~~SHORE ALL TRENCHES AS IN CONFORMANCE WITH CONSTRUCTION SAFETY ORDERS~~
11. ALL STRUCTURES SHALL BE BRICK SEWER STRUCTURES, S-A-106, MODIFIED WITH 5' I.D. BASE AND COVER PER NOTE 8.
12. FOR ALLOWABLE LEAKAGE TEST AND PRESSURE TEST SEE SPEC'S.
13. MANHOLE TOPS IN UNIMPROVED RIGHTS-OF-WAY TO BE 6" ABOVE FINISHED GRADE.
14. ~~MANHOLES CONSTRUCTED IN LIEU OF DIP OR CONSTRUCTED WITH 3 FEET OF MANHOLE EXTENDED PER S-A-64~~
15. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION ~~AND MAINTENANCE~~ DIVISION BY TELEPHONE, MADISON 9-4767 EXT. 61551 AT LEAST TWENTY FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
16. FOR BORING LOGS OF TEST HOLES SEE SPEC'S.
17. STANDARD SPECIFICATIONS DATED OCTOBER 10, 1960, AND THE SPECIAL SPECIFICATIONS FOR P.C. 5310-B APPLY IN THE CONSTRUCTION OF THIS PROJECT.
18. MINIMUM COVER OVER FORCE MAINS TO BE 4 FEET.
19. FORCE MAINS TO BE CEMENT LINED CAST IRON PIPE OF CLASS SHOWN IN ACCORDANCE WITH ASA SPECIFICATION A 21.1, A 21.6 & 21.8 WITH "TYTON" JOINTS. CEMENT LINING ⅛ THICKNESS
20. FORCE MAIN TO BE BEDDED ACCORDING TO LAYING CONDITION F OF ASA 21.1
21. BASE FOR WETWELL AND DRYWELL SLAB SHALL BE PREPARED IN ACCORDANCE W/RECOMMENDATIONS OF FOUNDATION ENGINEER.
22. NO CONSTRUCTION WILL BE PERMITTED IN FILLED AREAS UNLESS ACCEPTABLE CERTIFICATION IS SUBMITTED TO THE CONSTRUCTION DIVISION OF THE COUNTY ENGINEER'S DEPARTMENT THAT RELATIVE COMPACTION IS GREATER THAN 90 %.
23. USE "EVERDUR" BOLTS AND NUTS FOR ALL FLANGED JOINTS OUTSIDE OF THE PUMP STATION AND NOT ENCASED IN CONCRETE.

Bench Mark No SG.1307
L.&T. G' E/O West End of concrete Retaining wall 1.70' N/O Power pole No 47129 E. & 23' N/O E of Walnut Drive. (Otterbein Quad. 1955 Adj.)
El. 502.453

Basis of Bearings:
The bearings for Brea Canyon Road as shown on Record of Survey filed in book 76, pages 51 thru 56 were used as a basis of bearings for the project.

FORCE MAIN
NO CONNECTIONS
B. F. Norling 8-16-61

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.

NOTE:
GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS 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.G.S. DATUM OR MEAN SEA LEVEL

THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.

WORK SHALL BE CONSTRUCTED ACCORDING TO SPECIFICATIONS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.

BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L. A. COUNTY ROAD DEPT., 108 W. 2ND ST. AND MAKE A DEPOSIT WITH THE COUNTY ENGINEER, ROOM 334 PAN AMERICAN BUILDING, 233 SO. BROADWAY SUFFICIENT TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.

APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES

IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET.

COUNTY OF LOS ANGELES, CALIFORNIA

APPROVED, JOHN A. LAMBIE, COUNTY ENGINEER

BY C.E. Bundy
ASST. SANITATION ENGINEER

APPROVED, A. M. RAWN, CHIEF ENGINEER

BY M. Southmayd
OFFICE ENGINEER

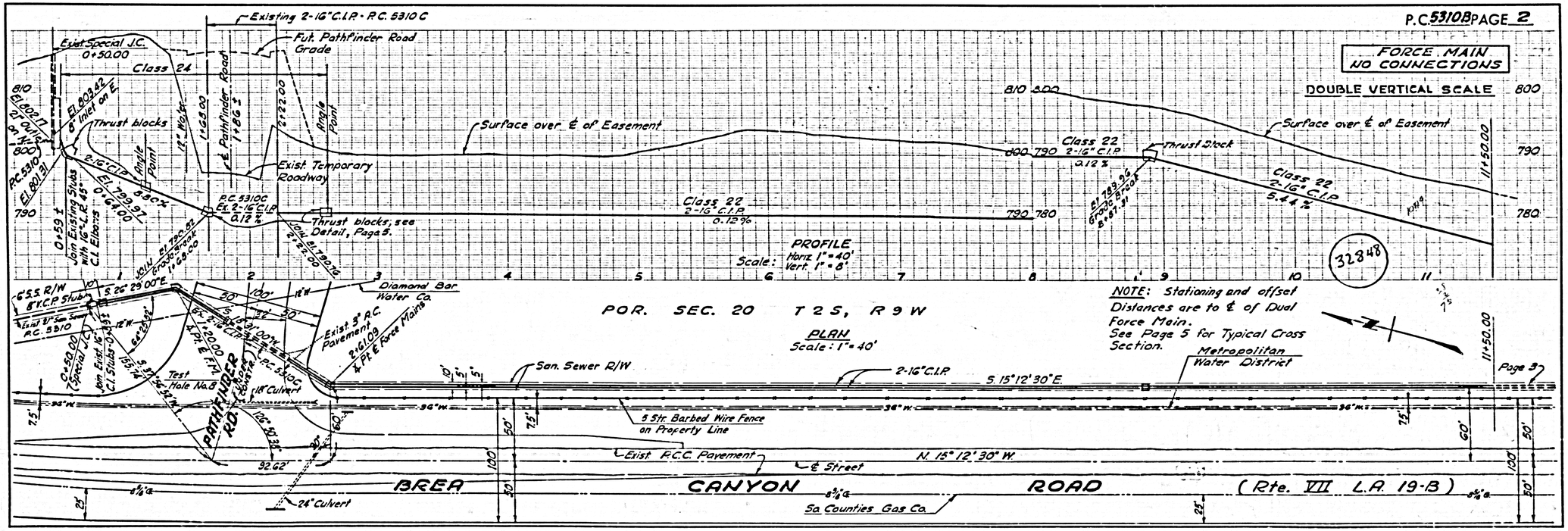
CHECKED BY B. F. Norling 8-16-61
OFFICE OF COUNTY ENGINEER, SAN. DIST. NO. 21

CO. SAN. DIST. NO. 21
RECORD NO. 11636

P.C. 5310B PAGE 2

FORCE MAIN
NO CONNECTIONS

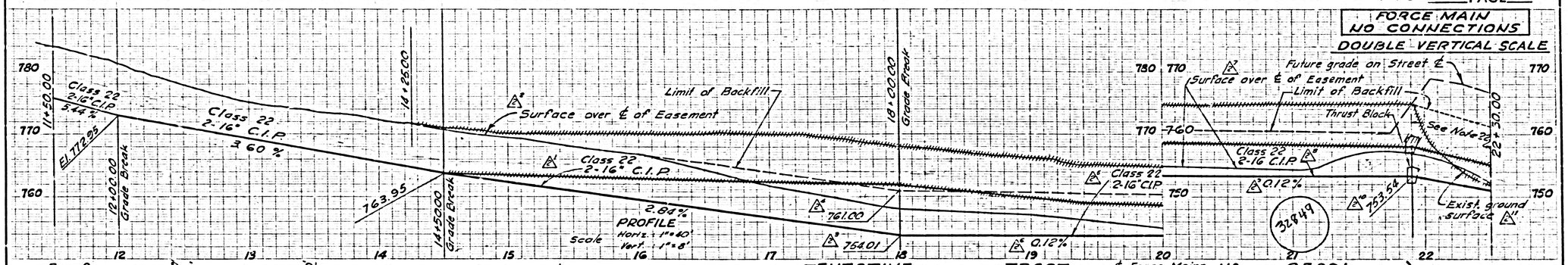
DOUBLE VERTICAL SCALE



P.C. 5310B PAGE 3

FORCE MAIN
NO CONNECTIONS

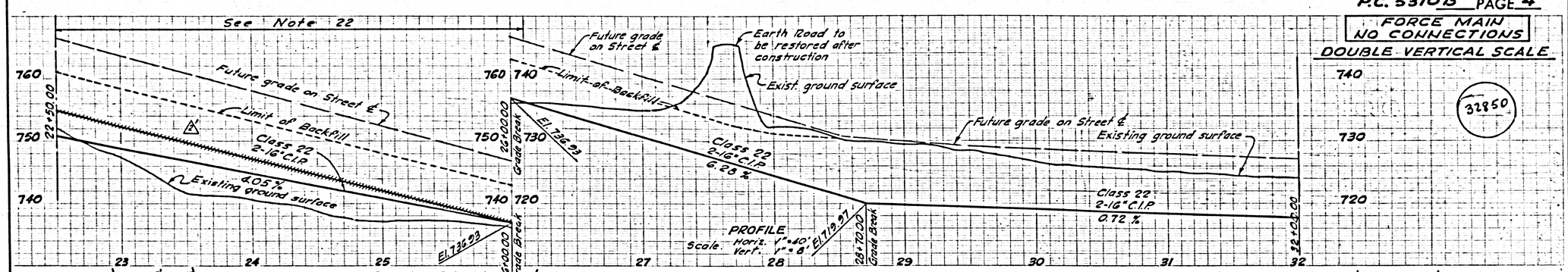
DOUBLE VERTICAL SCALE

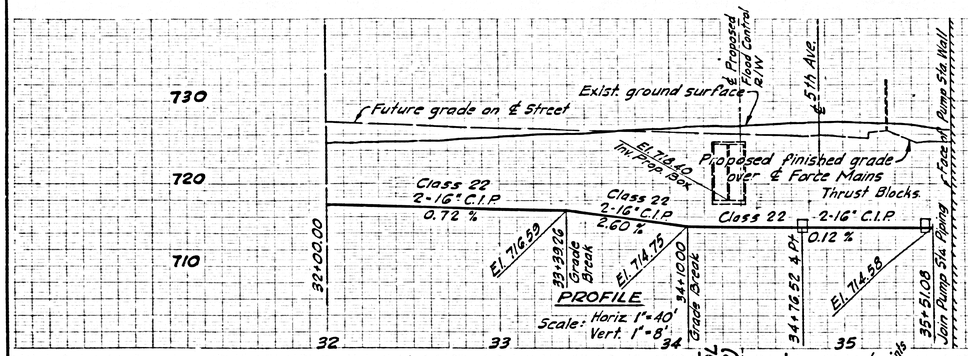


P.C. 5310B PAGE 4

FORCE MAIN
NO CONNECTIONS

DOUBLE VERTICAL SCALE





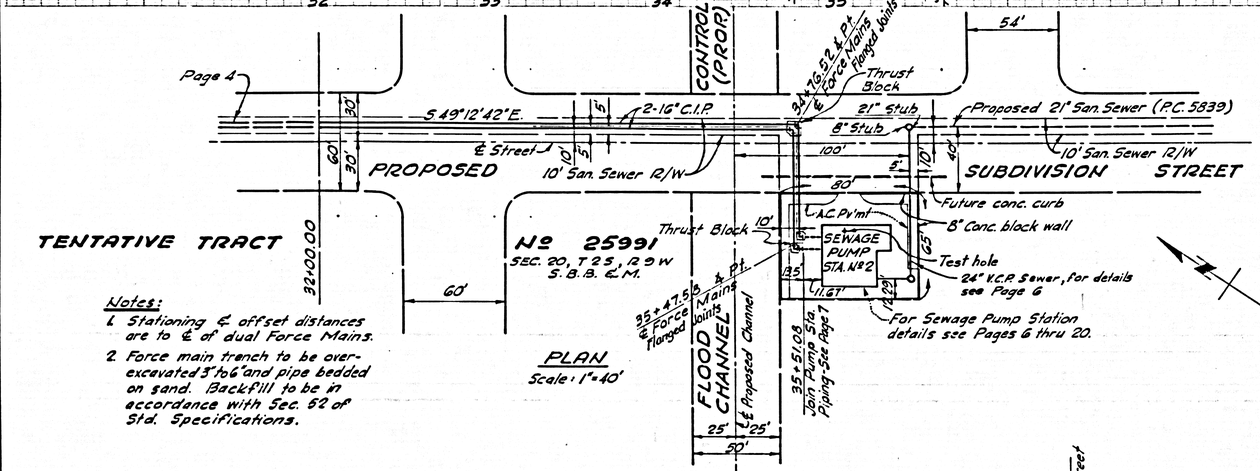
FORCE MAIN
NO CONNECTIONS

DOUBLE VERTICAL SCALE

THRUST BLOCK SCHEDULE

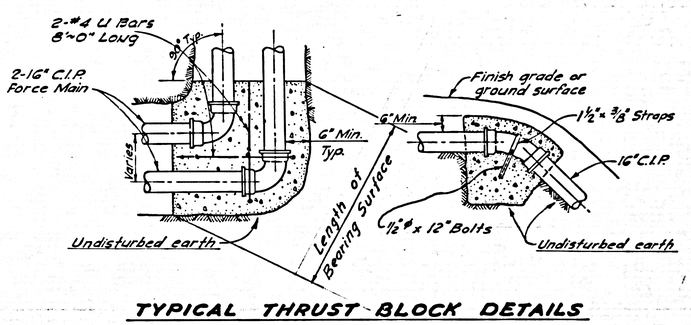
STATION	BRG AREA	CONC. VOL.	JOINT
0+59	4 SQ FT / MAIN		TYTON
1+20	4.5 SQ FT / MAIN		TYTON
1+68	1 SQ FT / MAIN		TYTON
2+61	3 SQ FT / MAIN		TYTON
8+87		6 CU. FT / MAIN	TYTON
21+90	20 SQ FT. (1 MAIN)	128 CU. FT.	TYTON
34+76	"	128 CU. FT.	FLANGED
35+48	"	128 CU. FT.	FLANGED

32851

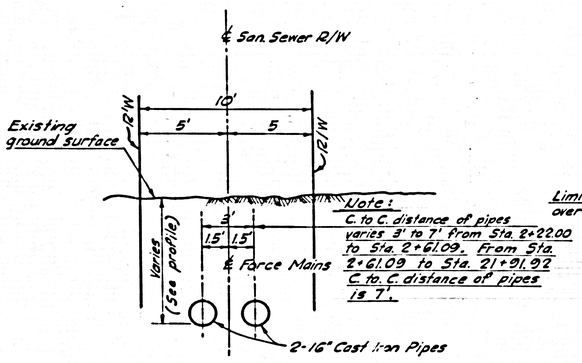


Notes:
1. Stationing & offset distances are to ℄ of dual Force Mains.
2. Force main trench to be over-excavated 3' to 6' and pipe bedded on sand. Backfill to be in accordance with Sec. 52 of Std. Specifications.

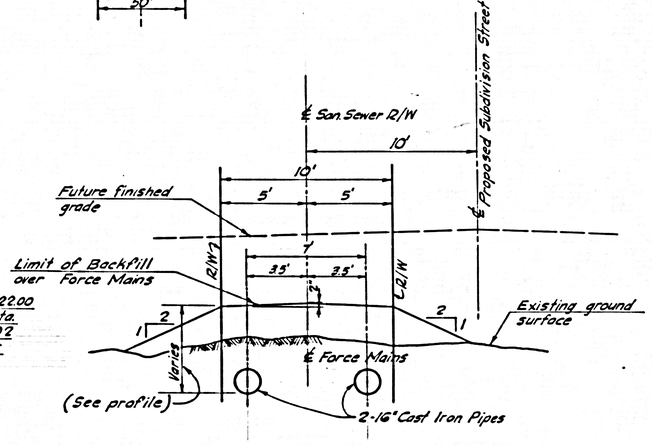
PLAN
Scale: 1"=40'



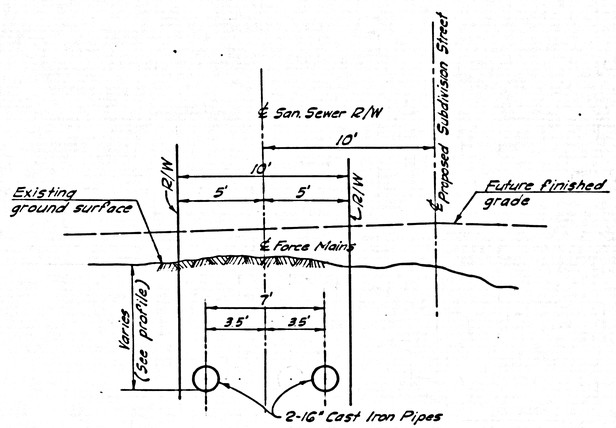
TYPICAL THRUST BLOCK DETAILS
No Scale



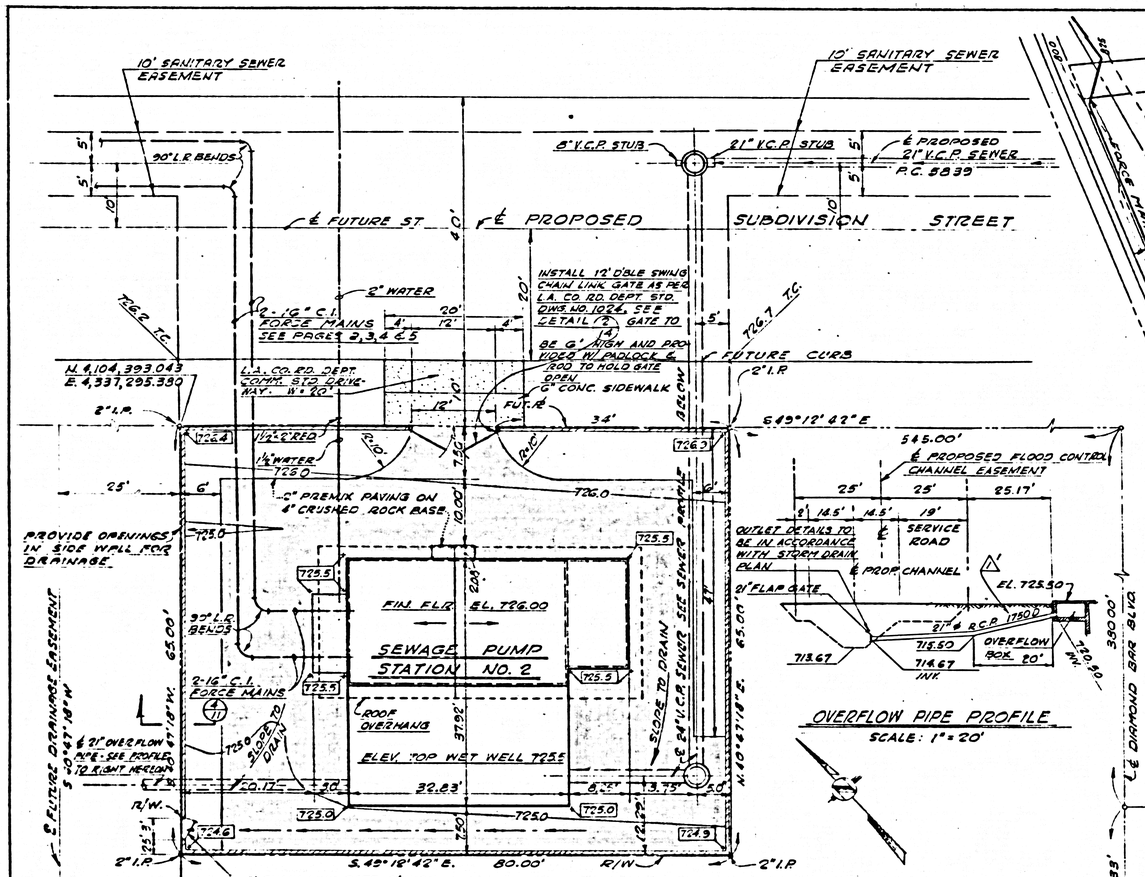
TYPICAL SECTION
STA. 0+59 ± - STA. 21+91.52
Scale: 1"=4'

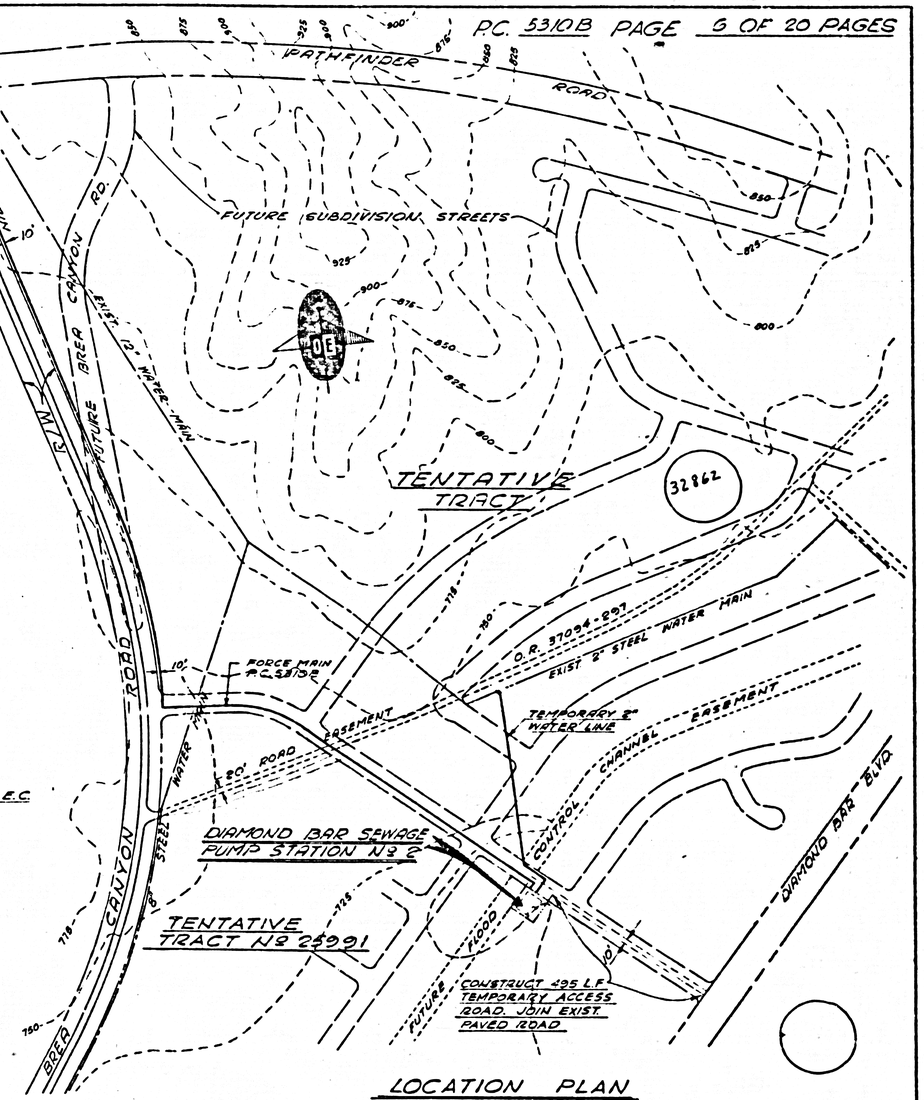


TYPICAL SECTION
STA. 21+91.94 - STA. 27+10.00
Scale: 1"=4'



TYPICAL SECTION
STA. 27+10.00 - STA. 34+76.52
Scale: 1"=4'





1	9.22.61	1750 D PIPE	A.S.	A.F.P.
Rev. No.	Date	REVISION	Rev. By	Chkd. By

CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

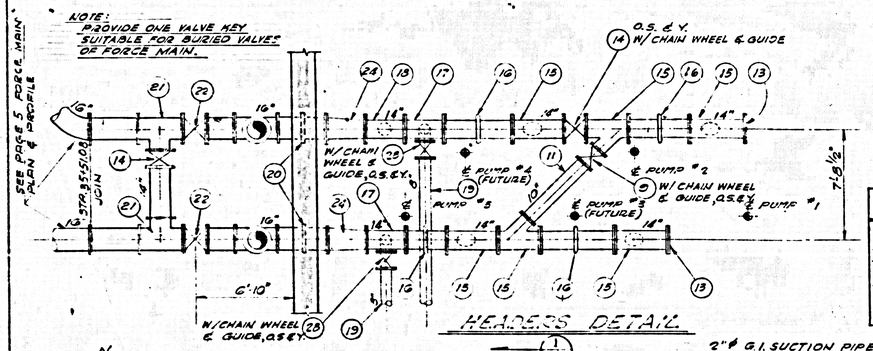
PLOT PLAN
DIAMOND BAR SEWAGE PUMP STATION Nº 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DESIGNED	J. BUROW	SCALE	AS SHOWN
DRAWN	G.C. – C.K.	DATE	JULY 13, 1961
CHECKED	D. PFEILER	JOB NO.	DRAWING NO.
APPROVED	Quinton Engineers R.C.E. 19593	59509	B-6

Rev. 1 Apprvd — A.F. Norling — 11-9-61 Date

NOTE: PROVIDE ONE VALVE KEY SUITABLE FOR BURIED VALVES OF FORCE MAIN.



HEADERS DETAIL

MOTOR & PUMP DESCRIPTION
ALLIS CHALMERS
3- MOTORS - TYPE AWV - "SP" FLG. - 125 H.P. - 1170 R.P.M.
3- PUMPS - SIZE 8"×6"-TYPE SWV V - 3020 G.P.M. - 157 T.D.H. (ONE IN OPERATION)

WATER CLOSET, KOHLER TANK TYPE, FLOOR STANDING COMPLETE - MODEL K-3675-EBA & TANK FITTINGS K-9252 & ⅜" ANGLE SUPPLY-NICKEL K-7636 & SEAT K-4702

1½" FRESH WATER LINE

SERVICE SINK, KOHLER SIZE 22"×20" TYPE BANNON-MODEL RGTIT-A COMPLETE W/ FITTINGS, COLD WATER SUPPLY FITTINGS & ANGLE STOP

TYPICAL HOOK - SEE DETAIL (3/15)

REMOVABLE GRATING

REMOVABLE SAFETY HANDRAIL, SEE DET (7/10)

FUTURE EQUIP.

EXTERIOR FACE OF LOW PART OF VERT. WALL.

3'-4"×3'-4" OPENING

FLOOR BOX FIG 100 MEM (TYP)

FLEX. CONN.

40"×40" LOUVER

⅜"MCSE SLEEVE 2'-0" ABOVE GRADE (TYP)

SWITCHBOARD

FUTURE ℄ MOTOR #4

℄ MOTOR #2

℄ MOTOR #1

℄ MOTOR #3

CORPORATION STOP (TYP)

BLOWER FAN W/ NON SPARKING IMPELLER

SEE DET 5 PAGE 8

SEE DET 5 PAGE 8

¾" STL RUNGS

24"×30" HINGED COVER & FRAME GALVANIZED

2-2'-0"×4'-6" FABRICATED BLUM. CHECKERED PLATE HINGED COVERS (GD-G1-TG)

2-30"×42" FABRICATED BLUM. CHECKERED PLATE HINGED COVER & FRAME - GD-G1-TG

18"×24" HINGED COVER & FRAME GALVNIZED

NOTE: ALL HINGED COVERS SHALL BE FURNISHED WITH PAD LOCKS

5"×5" HINGE (CUT PLATE AS SHOWN) TYP SEE (6/10)

32863

UPPER FLOOR PLAN

SCALE: ¼"=1'-0"

USE "EVERDUR" BOLTS ON ALL EXTERIOR EXPOSED FLANGED JOINTS

12" O.S. & Y. G.V. ON PUMP SUCTIONS TO BE EQUIPPED WITH OPERATING HANDLES AT PUMP LEVEL AND EXTENSION STEMS TO UPPER FLOOR. ONE STEM GUIDE TO BE PROVIDED FOR EACH VALVE AND FLOOR BOX INSTALLED IN UPPER FLOOR. EXTENSION STEM FOR PUMPS NO. 3 & 4 TO BE INSTALLED AT TIME OF PUMP INSTALLATION IN FUTURE.

2" ℄ G.I. SUCTION PIPE, REQ'D ON PUMPS NO. 2 & 5 ONLY, SEE DET (8/5)

BLOWER FAN W/ NON SPARKING IMPELLER

EXTERIOR FACE OF LOW PART OF VERTICAL R.E.I.N.F. CONC. WALL.

TYPICAL HOOK (3/15) SEE STD. DETAIL 15 (3'-9" ABOVE FLOOR)

½" ℄ G.I. PIPE DRAIN (TYP) 1 REQ'D. EA. PUMP, SEE DETAIL (1/8)

(2/8)

BLOWER FAN W/ NON SPARKING IMPELLER & EXPLOSION PROOF MOTOR. WHEEL & ALL PARTS IN CONTACT WITH AIR STREAM SHALL BE PLASTIC COATED △3

△3 PLASTIC COATING TO BE "INDUSTRIAL LAMINATES PC 660" OR EQUAL

INTERIOR FACE OF LOW PART OF VERT. R.E.I.N.F. CONC. WALL

¾" STL RUNGS

BUBBLER CONTROL PIPE ¾" STL RUNGS 10' FROM BOTT. (29)

BUBBLER CONTROL PIPE ¾" STL RUNGS 10' FROM BOTT. CAP FUTURE INLET PIPES

LOCATION OF 2- FUTURE 24" MODEL "C" BARMINUTOR SCREENING & CUTTING MACHINES (CHICAGO PUMP CO. - K. 6114 (N.I.C.)

(3/8)

FLOOD CONTROL CHANNEL, SEE PLAN, PAGE 6

FLG. 24"E RODNEY HUNT SERIES FP-MC BRONZE MOUNTED 21"Ø OVERFLOW & BYPASS PIPE, SEE PAGE 6 FOR PROFILE

OVERFLOW BOX

GRATING

24" DIA. INFLUENT

¾" STL RUNGS @ 12" O.C.

2-24"×37" STOP LOG OPNGS.

24"×37" STOP LOG OPNGS.

SECTIONAL PLAN (1/7) SEE PAGE 8.

SCALE: ¼"=1'-0"

SECTION (2/7)

SCALE: ¼"=1'-0"

1½" HANDRAIL (ALUM.) GO-G1-TG

EL. 732.0 OVERFLOW

EL. 715.50

EL. 713.25 START PUMPS

EL. 712.25

EL. 707.75 STOP PUMPS

¾" STL. RUNGS @ 12" OC.

EL. 703.75 LOW LEVEL ALARM

EL. 700.75

24"ø INFLUENT

INV. EL. 712.25

24"-2"×4" OPENING

FIN. GRADE, 726.0

OVERFLOW & BY PASS PIPE SEE PROFILE PAGE 6

21"ø

INV. EL. 720.50

29'-10"

STOP LOG DETAILS

STOP LOG GUIDE - TYPICAL

¼" RAD

SMOOTH SURFACE REQ'D

BAR 2"×4" (ALUM)

¾" THD HOLES @ 9" OC FOR ¾"ø×10" ANCHOR BOLTS

CONCRETE NOTCH

NOTCH FOR BOTTOM EDGE OF STOP LOG

TYPICAL STOP LOG DETAIL

⅛ CHAMFER BOTH SIDES

2-2"ø HOLES

⅜" ALUMINUM PLATE ALCLAD 7075-G

A	B	NO. REQ'D
2'-3"	3'-8"	2
2'-11"	3'-8"	1

Rev. No.	Date	Revision	Rev. By	Chk. By
△5	9/22/61	BOLTS, BLOWER COATING, GATE	A.S.	D.F.B.

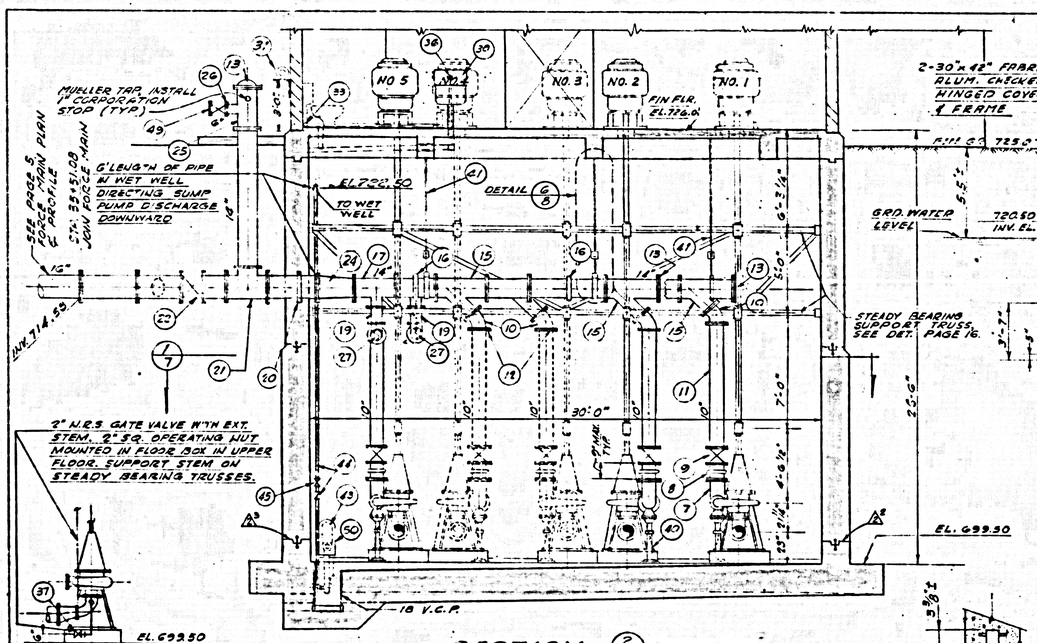
CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

MECHANICAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION NO 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DESIGNED BURROW	SCALE AS SHOWN
DRAWN CASTELLANOS	DATE JULY 13, 1961
CHECKED BFB	JOB NO. 59509
APPROVED Charles Quinton RCE 8503	DRAWING NO. B-7

Rev. △5 Apprvd. B.F. Barling 11-9-61 Date



Y	X
4.417'	3.402'
4.00'	3.297'
3.00'	2.806'
2.00'	2.289'
1.00'	1.615'

ITEM	DESCRIPTION OF EQUIPMENT
1	18" FLANGE & PLAIN END PIECE W/ WALL SLEEVE (SEE DETAIL 9/14)
2	12" GATE VALVE, O.S. & Y. (SEE NOTE, SECTIONAL PLAN 4)
3	12" FLANGED PIPE WITH VICTAULIC COUPLING.
4	12"x8" FL. REDUCED ECCENTRIC
5	10" FL. CHECK VALVE (RENSSELAER LEVER & SPRING, FLANGED-LIST 540)
6	12"x10" FL. REDUCER
7	10" " 90° LONG RAD. BEND FL. W/BRASS SUPPORT
8	10" FLANGED PIPE WITH VICTAULIC COUPLING
9	10" GATE VALVE, O.S.&Y. (W/ CHAIN WHEEL & GUIDE, WHERE NOTED)
10	10" C.I. 45° BEND FL.
11	10" C.I. PIPE
12	10" C.I. BLIND FLANGE.
13	14" C.I. BLIND FLANGE.
14	14" GATE VALVE N.R.S. W/ VALVE BOX OR O.S.&Y. (W/CHAIN WHEEL & GUIDE, WHERE NOTED)
15	14"x14"x10" 45° LATERAL
16	14" FL. PIPE WITH VICTAULIC COUPLING
17	14"x14"x8" TEE FL.
18	14"x14"x10" TEE FL.
19	8" C.I. PIPE
20	16" C.I. WALL CASTING FLANGE
21	16"x16"x14" TEE FL. WITH SUPPORT
22	16" GATE VALVE N.R.S. W/ VALVE BOX
23	16" C.I. BLIND FLANGE
24	16"x14" C.I. REDUCER
25	14"x14"x8" TEE FL.
26	6" GATE VALVE N.R.S.
27	8" C.I. 90° SHORT RAD BEND
28	8" GATE VALVE, O.S.&Y. W/ CHAIN WHEEL & GUIDE
29	18" ALLOY C.I. TYPE I, SLUICE GATE WITH HAND OPERATED GEAR STAND, SEE SECT. 1/6
30	SERVICE SINK, SEE UPPER FLOOR PLAN, PAGE 7
31	1" " WILKINS PRESSURE BACK-FLOW PREVENTER
32	1" GATE VALVE
33	1" GALV. STEEL PIPE
34	1" MOSE B69 W/KEY
35	3/4" GALV. STEEL PIPE
36	3/4" MOSE B69 W/KEY
37	2" GATE VALVE N.R.S. W/ EXTENSION STEM
38	AMERICAN BLOWER H.E. SERIES 81, SIZE 270, ARRANGE. 3, 2297 CFM, 1000 O.V., WATER CLOSET, SEE UPPER FLOOR PLAN, PAGE 7 — 995 R.P., 627 R.P.M., .21 B.H.P.
39	ADJUSTABLE PIPE SUPPORT, CRANE NO. 8648
40	PIPE ANCHORS
41	8" C.I. PIPE 1/2" CHECK VALVE (SWING 8365)
42	BEAM HOISTING ANCHOR (ABOVE EACH PUMP)
43	SUMP PUMP (7 1/2 HP - 1750 R.P.M. - YEOMANS "DRAIN-DRI") MODEL Y
44	1 1/2" & 2" C.I. PIPE 1 1/2" CHECK VALVE (SWING 8365)
45	1 1/2" GATE VALVE, BRASS, IN SUMP PUMP LINE
46	12"x22" AIR DUCT, 24 GA. GALV. IRON (SEAL TO WALL)
47	AMER. BLOWER H.S. UTILITY SET, SIZE H150, 1280 CFM, 1000 O.V., 1/4" S.P., 752 FAN R.P.M.
48	AMERICAN BLOWER H.E. SERIES 81, SIZE 330, ARRANGE 3, 6220 CFM. 1000 O.V. 3/4" S.P. 370 R.P.M. .65 B.H.P.
49	C.M.U. BLIND FLANGE
50	RIVIERA BELL (SEE SPECIFICATIONS)
51	GREASE SEAL
52	PENN ELECTRIC DRR 31"ø & 24" INTAKE AREA 6000 C.F.M. 600 R.P.M. VELOCITY AT HOOD ENTRANCE
53	6" V.C.P.
54	30"ø CORR. A.C.P. EXHAUSTER 10" HOOD W/ TYPE SP-5 BASE (FOR LOCATION SEE PAGE 7)

Rev.	Approvd.	Date
Rev. 2	R.F. Hartley	11-3-61
Rev. 1	R.F. Hartley	11-8-61

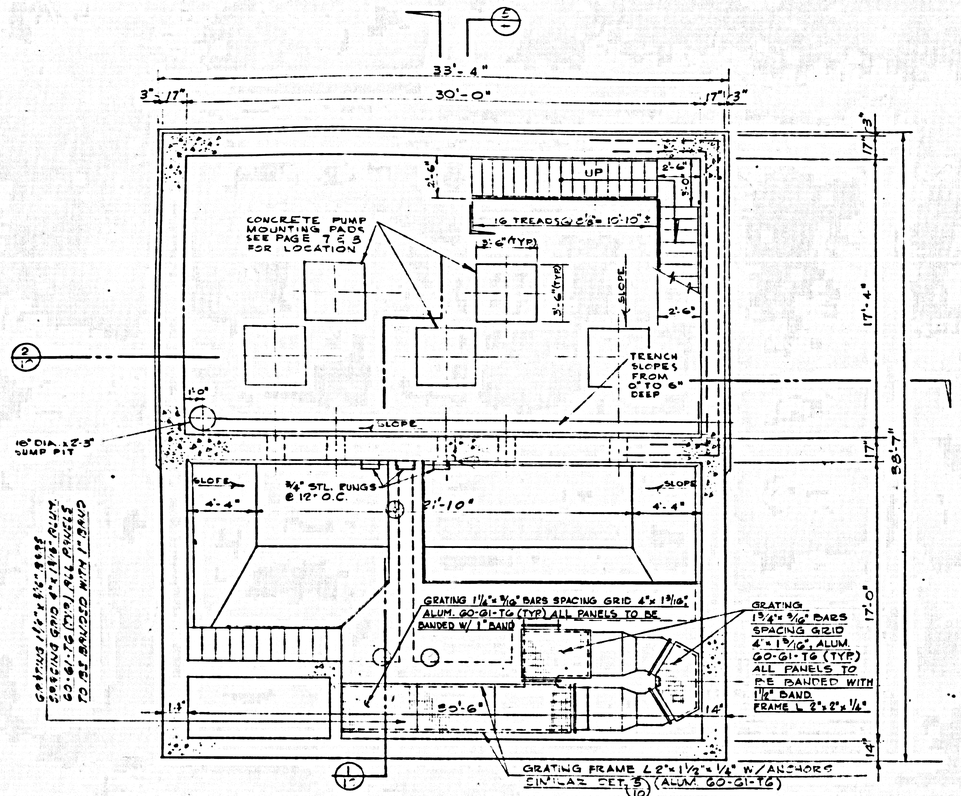
2	11/3/61	CONSTRUCTION JOINTS	G.C.	D.M.
1	9/22/61	SLUICE GATE	A.S.	R.F.D.
Rev. No.	Date	REVISION	Rev. by	Chkd. By

CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

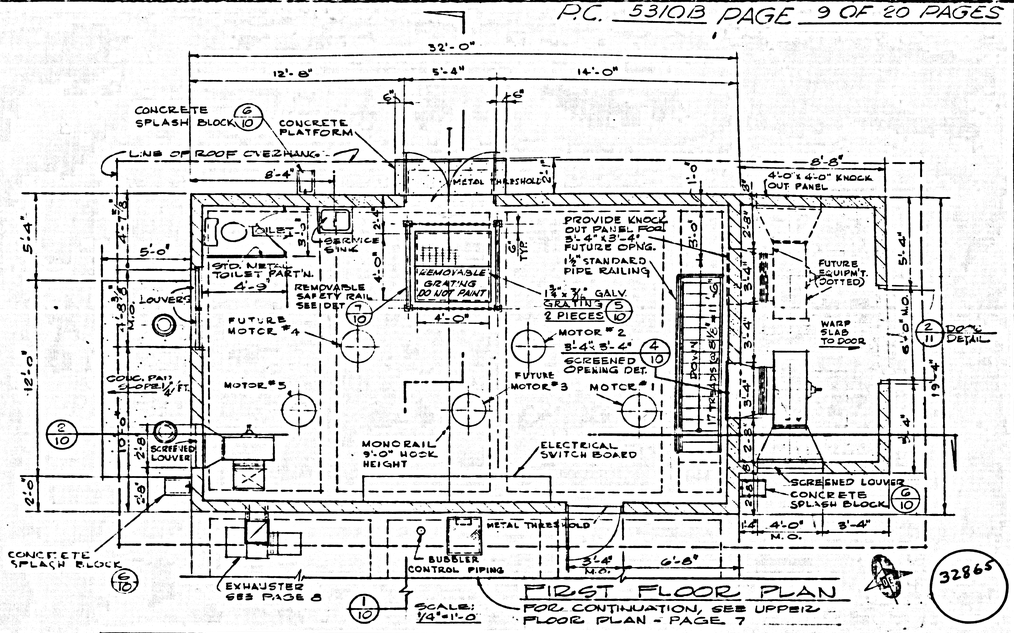
MECHANICAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION No 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DESIGNED	RUBOW	SCALE	AS SHOWN
DRAWN	CASTELLANOS	DATE	JULY 13, 1961
CHECKED	PFEILER	JOB NO.	59509
APPROVED	Charles Sylvester R.C.E. 05503	DRAWING NO.	B-8

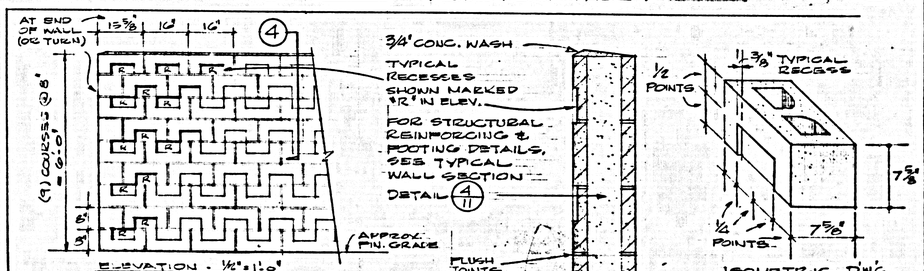


WET & DRY WELL FLOOR PLAN
SCALE 1/4" = 1'-0"



FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"
FOR CONTINUATION, SEE UPPER FLOOR PLAN - PAGE 7

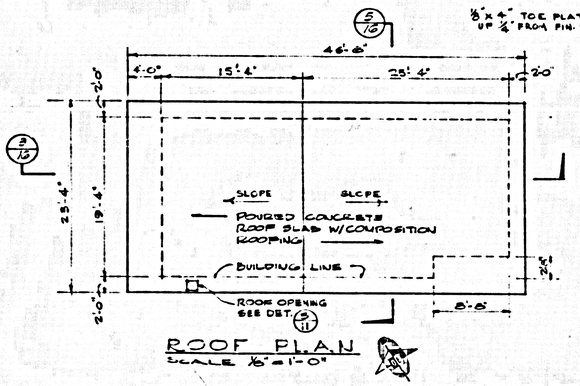
32865



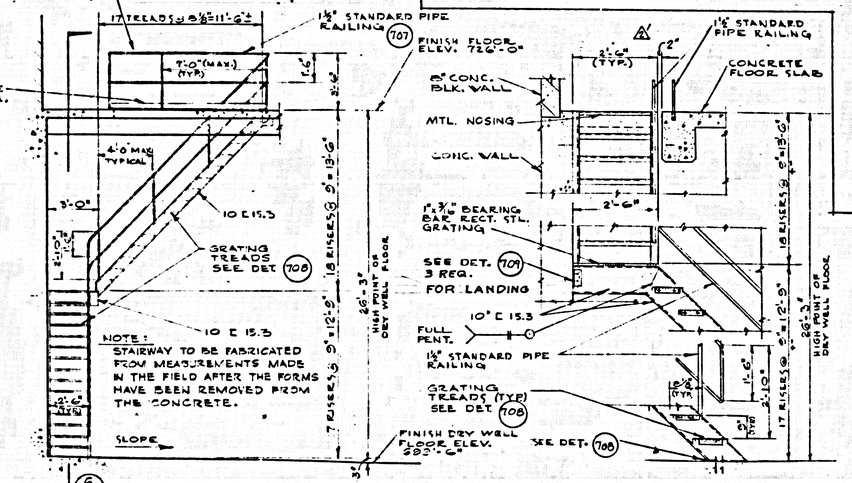
ISOMETRIC D'W'G.

CONCRETE BLOCK SIMILAR, OR EQUAL TO "HALF-SQUARE" BLOCK PATTERN NO. 202 AS MANUFACTURED BY O'KELLEY-ECCLES CO. IRWINDALE, CALIF.
COLOR: "SUNTAN"

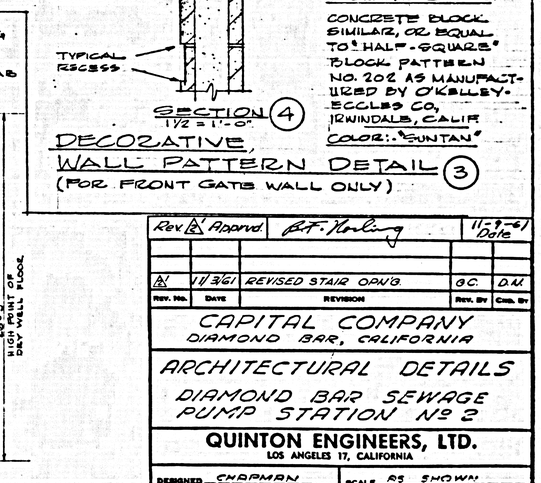
DECORATIVE WALL PATTERN DETAIL (3)
(FOR FRONT GATE WALL ONLY)



ROOF PLAN
SCALE 1/8" = 1'-0"



SECTION 5
SCALE 1/2" = 1'-0"



SECTION 6
SCALE 1/2" = 1'-0"

STAIR DETAILS

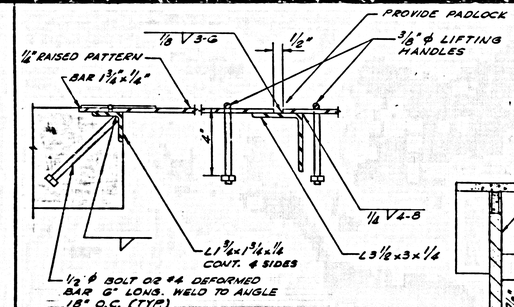
Rev.	Date	Revision	Rev. By	Chk. By
		Approved: A.F. Harling		11-2-61 Date
1	11/3/61	REVISED STAIR OPNG.	G.C.	D.M.

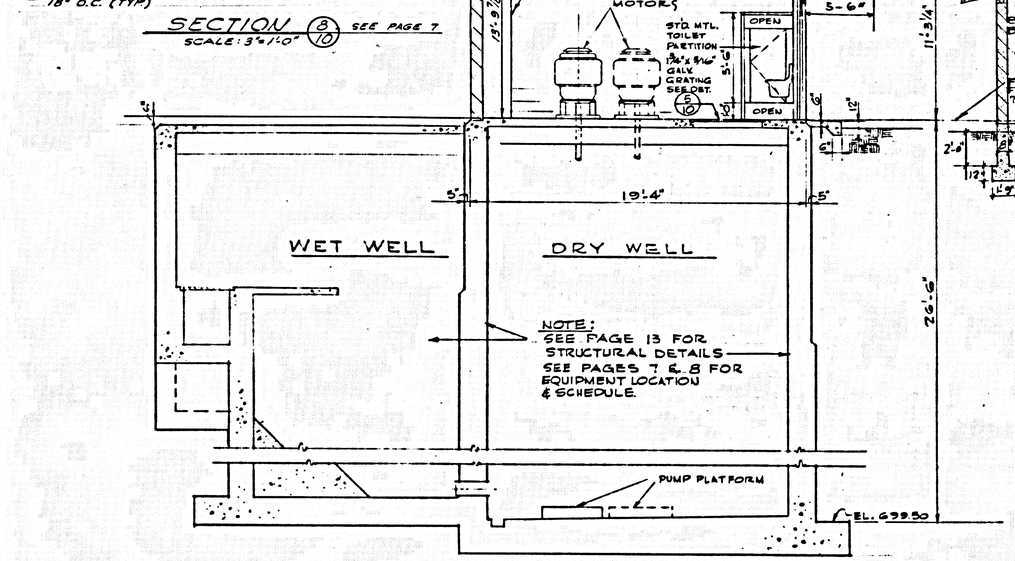
CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

ARCHITECTURAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION No 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

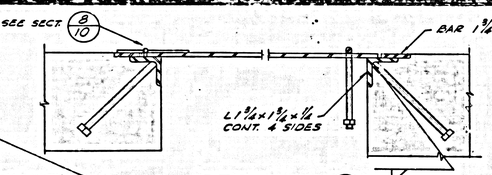
DESIGNED	CHAPMAN	SCALE	AS SHOWN
DRAWN	BLAIR	DATE	JULY 13, 1961
CHECKED	PHILLIPS - PREILER	JOB NO.	DRAWING NO.
APPROVED	Charles Quinton R.C.E. 7203	59509	B-3



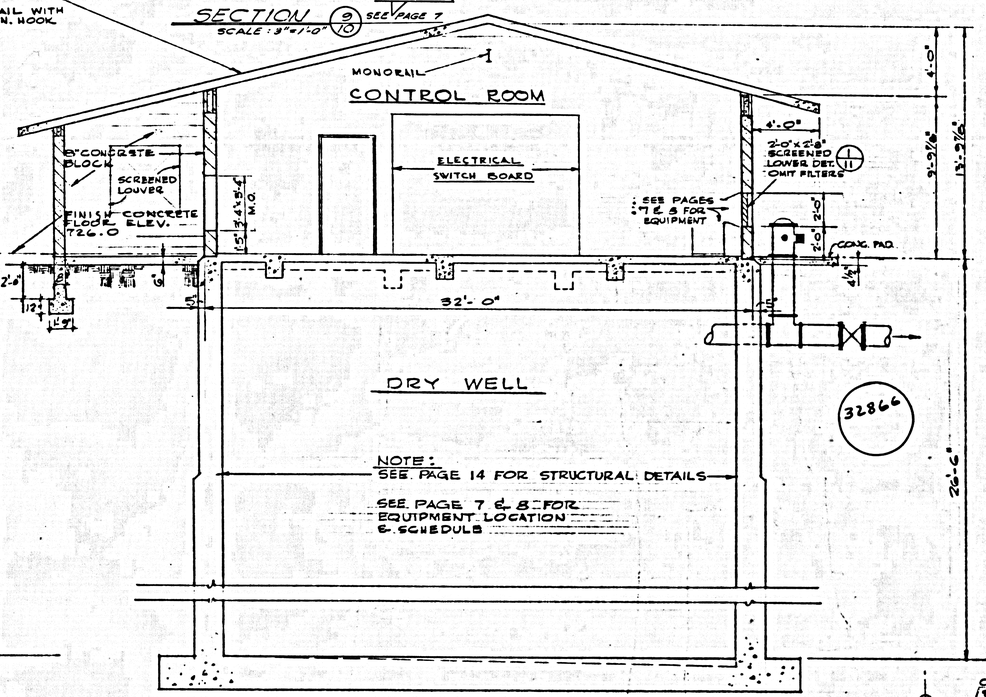


SECTION (8/10) SEE PAGE 7
SCALE: 3"=1'-0"

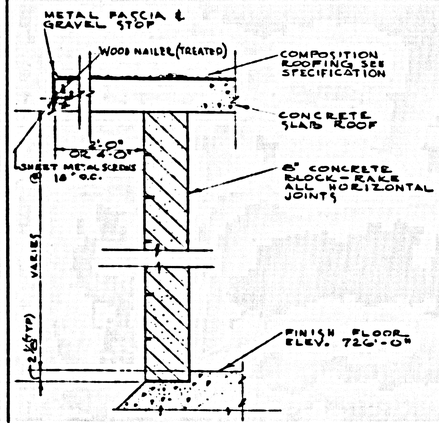
SECTION (1/10) SEE PAGE 9
SCALE 1/4"=1'-0"



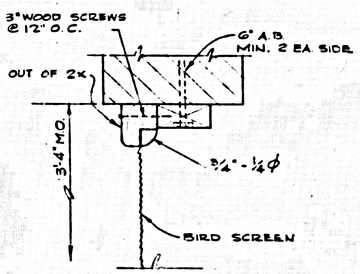
SECTION (9/10) SEE PAGE 7
SCALE: 3"=1'-0"



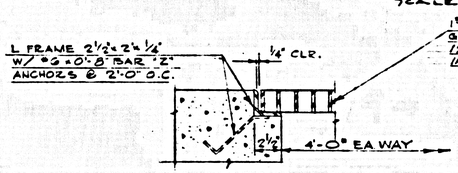
SECTION (2/10) SEE PAGE 9
SCALE 1/4"=1'-0"



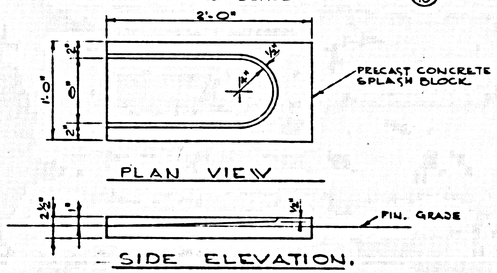
TYPICAL WALL SECTION (3/10)
Scale 1" = 1'-0"



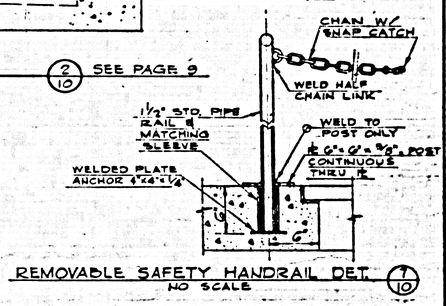
SCREENED OPENING DETAIL (4/10)
NO SCALE



FLOOR GRATING DETAIL (5/10) SEE PAGE 9
NO SCALE



SPLASH BLOCK DETAILS (6/10)



REMOVABLE SAFETY HANDRAIL DET. (7/10)
NO SCALE

Rev. No.	Date	Revision	Dsn. by	Chk. by

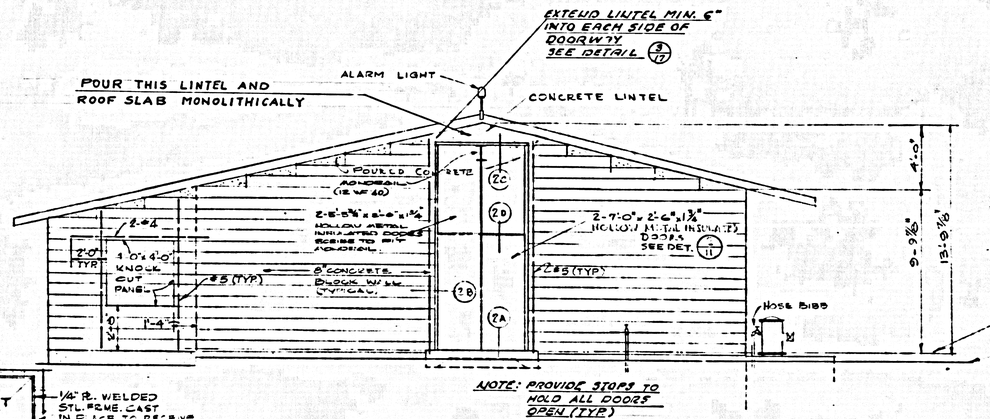
CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

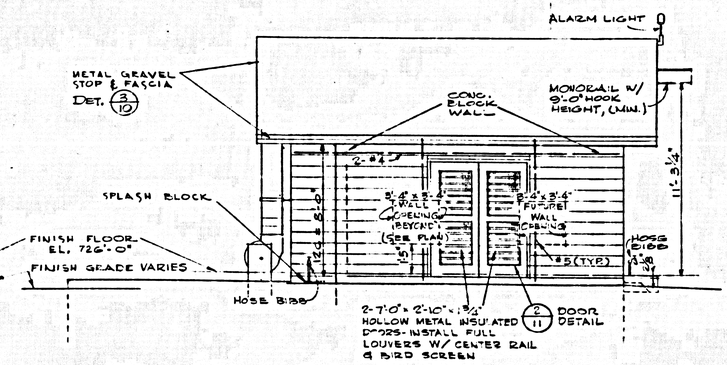
ARCHITECTURAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION Nº 2

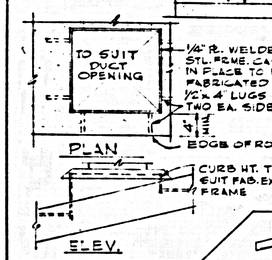
QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

Designed	CHAPMAN	Scale	AS SHOWN
Drawn	BLAIR	Date	JULY 13, 1961
Checked	PHILLIPS-PERILLO	Job No.	Drawing No.
Approved	Harley Hayes R.C.E. #5303	59509	B-10

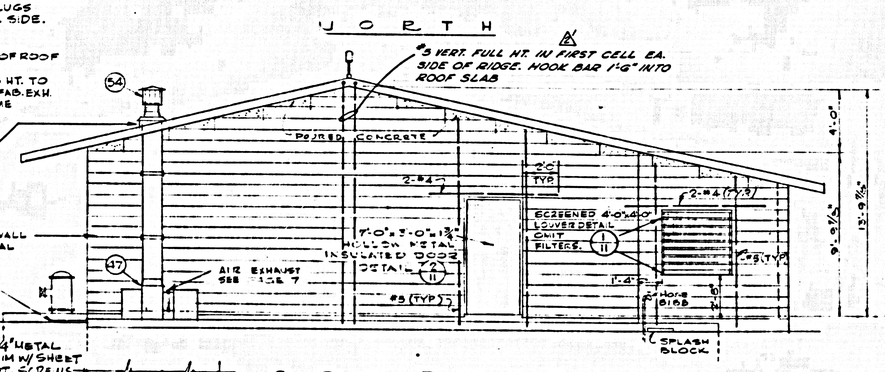
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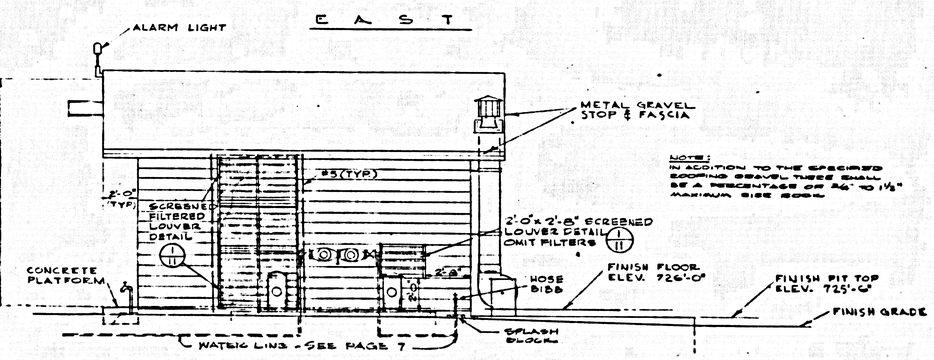




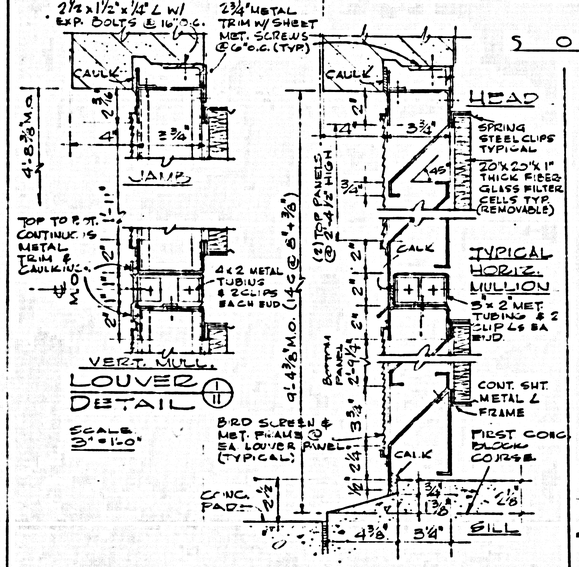
NORTH



EAST



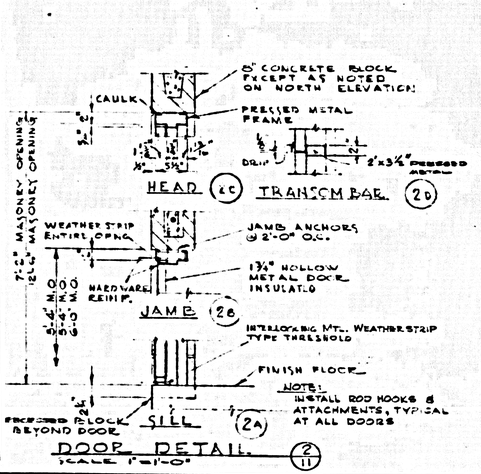
SOUTH

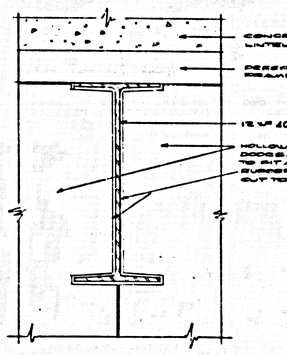


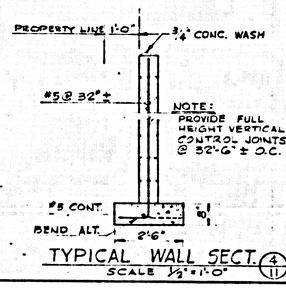
ELEVATIONS

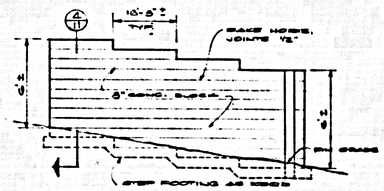
SCALE 1/4" = 1'-0"

WEST









WEST WALL ELEVATION

EAST WALL OPPOSITE HAND - (NO SCALE)

Rev. No.	Date	Revision	Rev. By	Chk. By
		Rev. & Apprvd. J.F. Pooling		11/28/61
A	11/3/61	REBAR	G.C.	D.M.

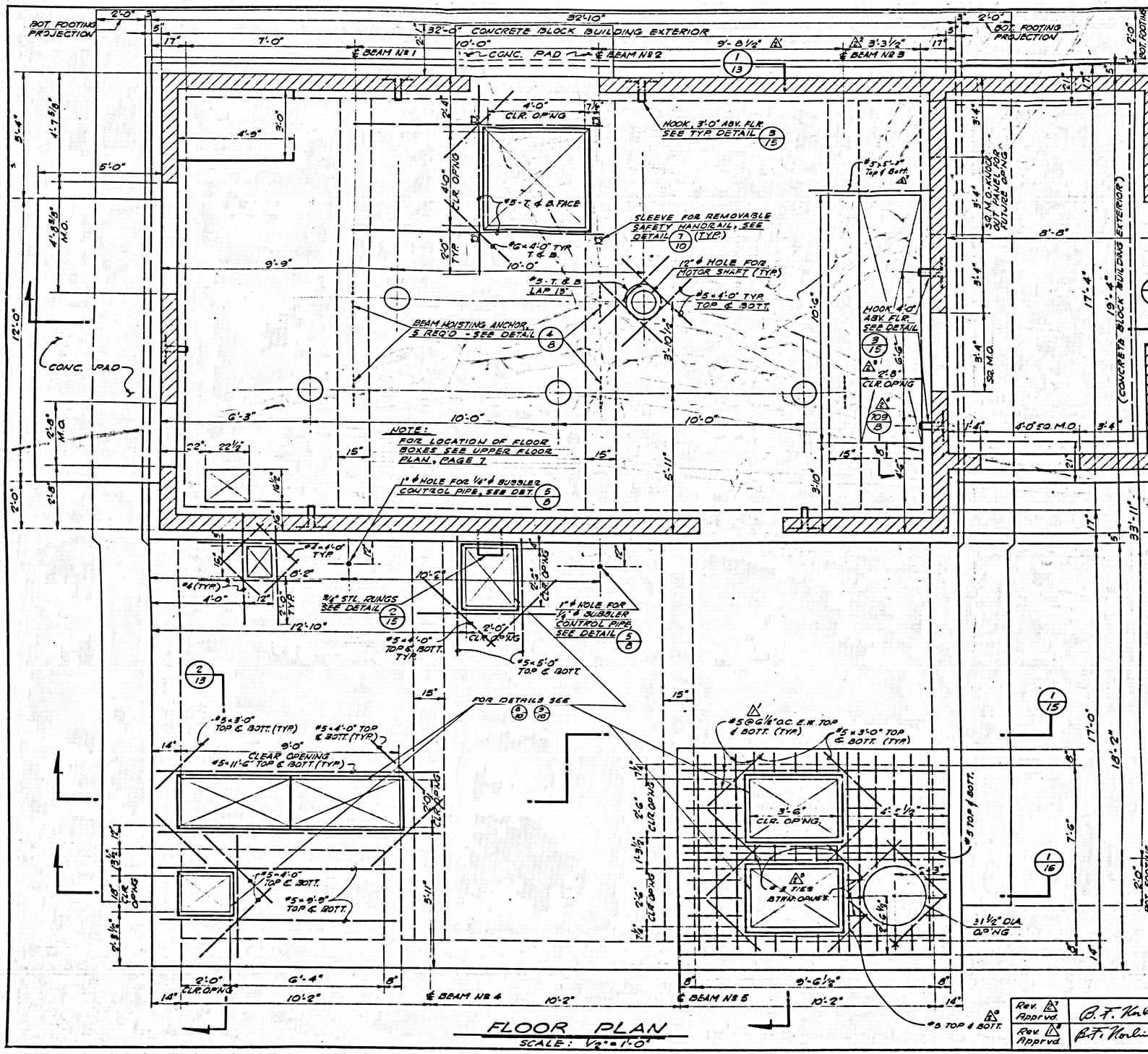
CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

ARCHITECTURAL DETAILS

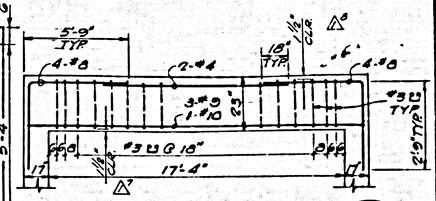
DIAMOND BAR SEWAGE PUMP STATION Nº 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

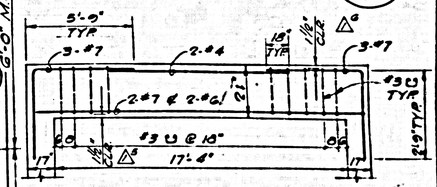
DESIGNED CHAPMAN		SCALE AS SHOWN	
DRAWN BLAIR		DATE JULY 13, 1961	
CHECKED PHILLIPS-PFEILER		JOB NO.	DRAWING NO.
APPROVED Charles B. Quinton R.C.E. 6503		59509	B-11

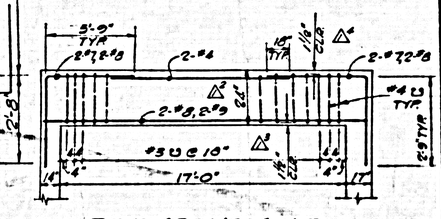


FLOOR PLAN
SCALE: 1/2" = 1'-0"



32868





BEAM ELEVATIONS

SCALES: HORIZ. 1/4" = 1'-0"
VERT. 1/2" = 1'-0"

NOTES:

1. FOR MASONRY WALL OPENINGS DETAILS SEE PAGES 9, 10 & 11.

2	11/3/61	REVISED CLR. OPNG., ADDED REBARS & REFERENCE SECTION	GC	DH
1	9/22/61	REBAR	AS	DFD
REVN. NO.	DATE	REVISION	REVN. BY	CHKD. BY

CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

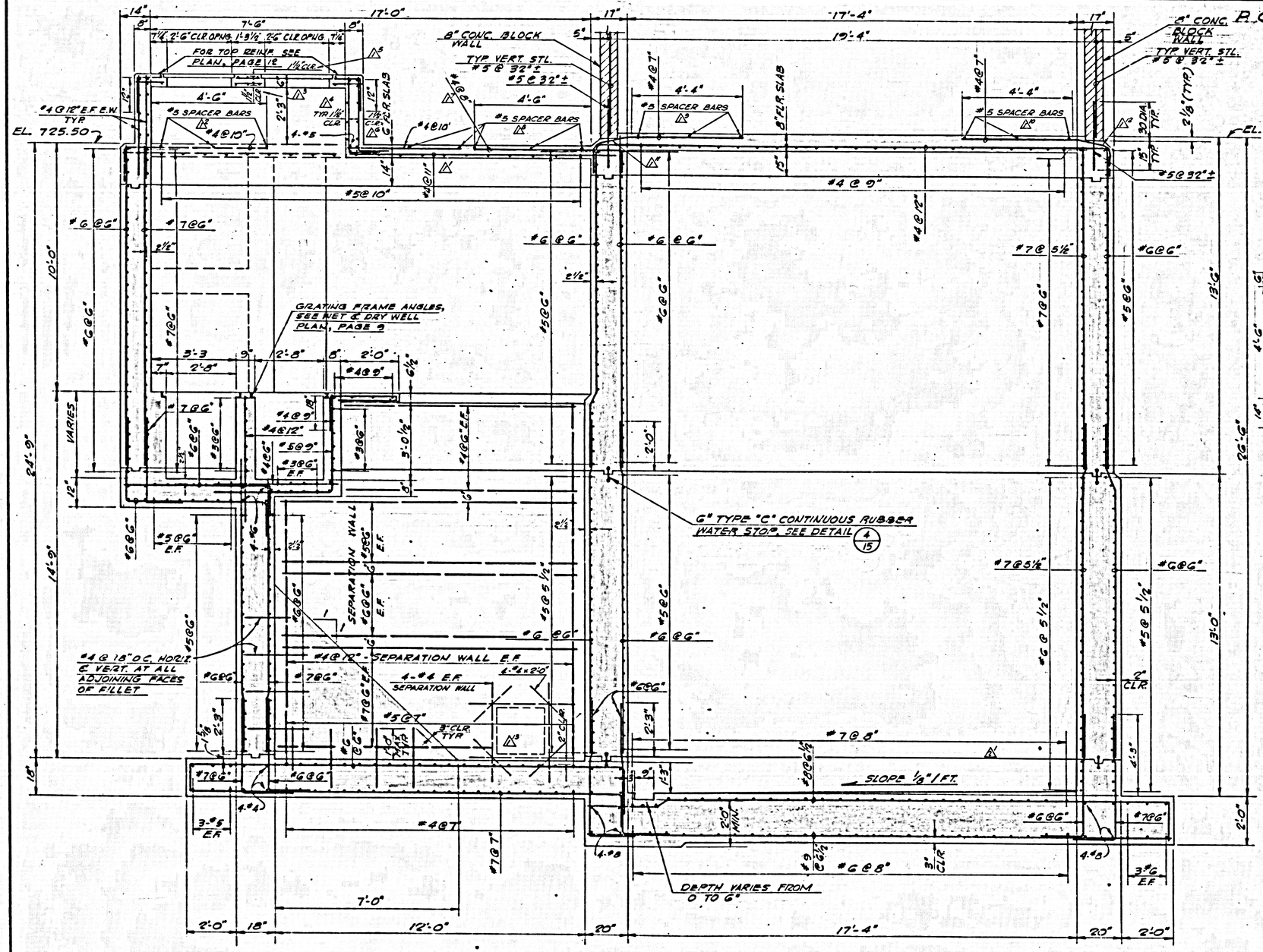
STRUCTURAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION Nº 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DESIGNED	BUBOW	SCALE	AS SHOWN
DRAWN	S.K.	DATE	JULY 13, 1961
CHECKED	STRUCTURAL ENGINEER	JOB NO.	DRAWING NO.
APPROVED	REG. No. 5203	59509	B-12

Rev. 2 Approvd	R.F. Norling	11-9-61	Date
Rev. 1 Approvd	R.F. Norling	11-9-61	Date

32869



SECTION (1/13) SEE PAGE 12
SCALE: 1/2" = 1'-0"

SECTION (2/13) SEE PAGE 12
SCALE: 1/2" = 1'-0"

SECTION (3/13) SEE PAGE 15
SCALE: 3/4" = 1'-0"

Rev. No.	Date	Revision	Rev. By	Appr. By
2	11/3/61	CONSTRUCTION JOINT	G.C.	D.N.
3	9/22/61	REBAR, SLUICE GATE	A.S.	P.F.P.

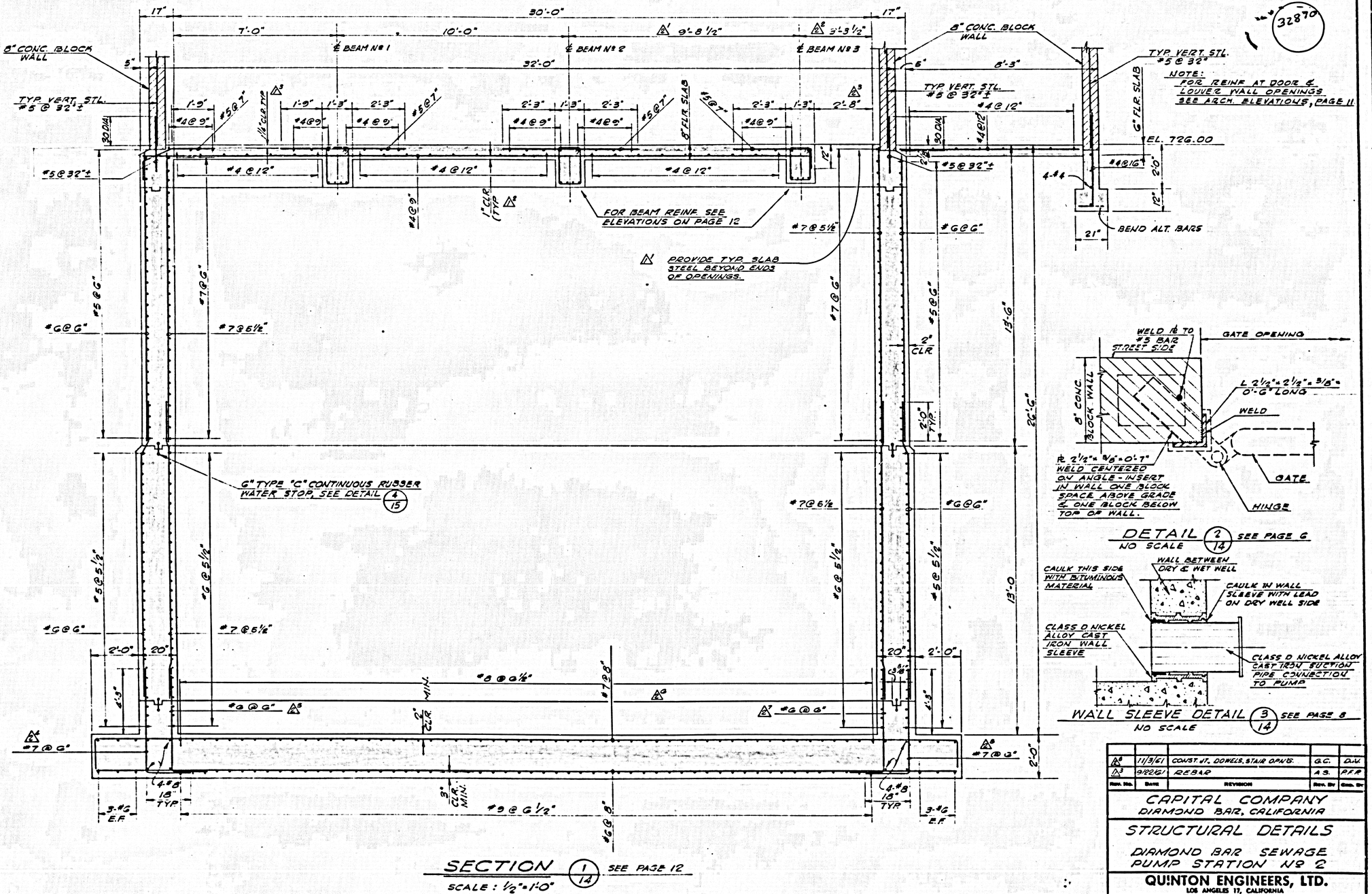
CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

STRUCTURAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION No 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

Rev. Apprvd. 2	B.F. Norling	11-9-61 Date	
Rev. Apprvd. 3	B.F. Norling	11-9-61 Date	
DESIGNED	BUBOW	SCALE	AS SHOWN
DRAWN	C.M.	DATE	JULY 13, 1961
CHECKED	Structural Engineer's Seal	JOB NO.	DRAWING NO.
APPROVED	Harold Jones R.C.E. 9203	59509	B-13

32870



SECTION 1/14 SEE PAGE 12

SCALE: ½"=1'-0"

DETAIL 2/14 SEE PAGE 6

NO SCALE

WALL SLEEVE DETAIL 3/14 SEE PAGE 8

NO SCALE

Rev. No.	Date	Revision	Rev. By	Chkd. By
△2	11/3/61	CONST JT. DOWELS, STAIR OPNS.	G.C.	D.W.
△3	9/22/61	REBAR	A.S.	P.F.P.

CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

STRUCTURAL DETAILS

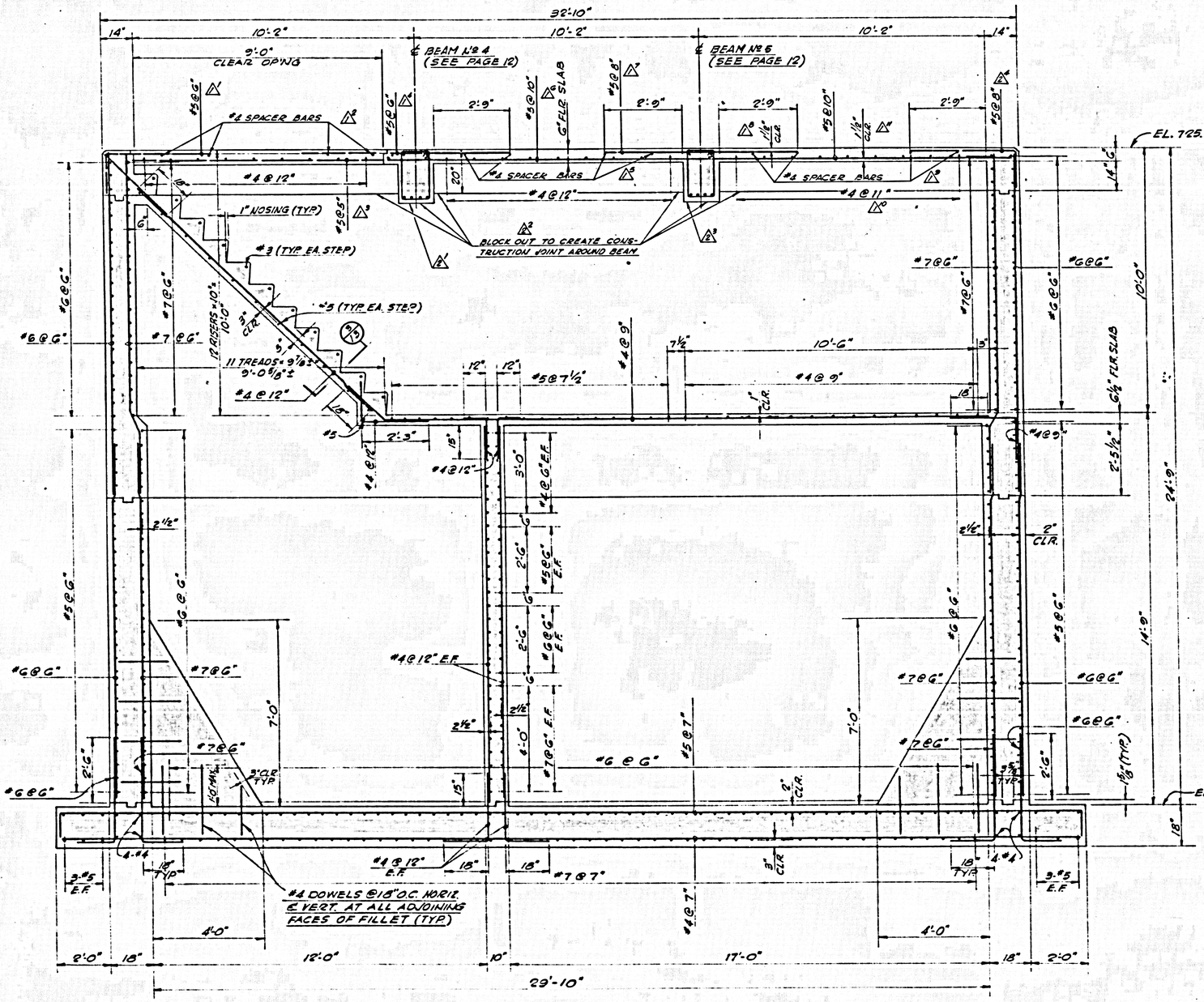
DIAMOND BAR SEWAGE PUMP STATION Nº 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DESIGNED	BUBOW	SCALE	AS SHOWN
DRAWN	C.K.	DATE	JULY 13, 1961
CHECKED	R.F. Harding STRUCTURAL ENGINEER 1906	JOB NO.	59509
APPROVED	Charles Stroyer A.C.E. 6503	DRAWING NO.	B-14

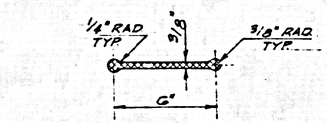
Rev. △2 Apprvd.	R.F. Harding	11-7-61 Date
Rev. △3 Apprvd.	R.F. Harding	11-7-61 Date

32871



SECTION (1/15) SEE PAGE 12

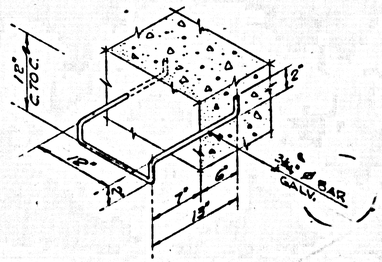
SCALE : ½"=1'-0"



NOTE:
PROVIDE RUBBER WATER STOP AT CONSTRUCTION JOINTS AS SHOWN ON DRAWINGS. SEE SPECIFICATIONS.

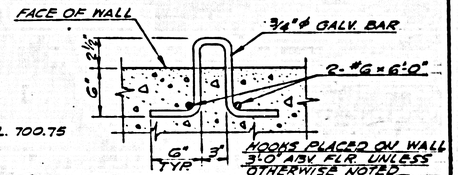
RUBBER WATER STOP DETAIL (4/15)

SCALE : 3"=1'-0"



TYPICAL RUNG DETAIL (2/15)

NOT TO SCALE



TYPICAL HOOK DETAIL (3/15)

SCALE: 1½"=1'-0"

Rev.	Date	Description	By	Chkd. By
2	11/3/61	REBAR. CONSTRUCTION JOINT	B.C.	D.M.
1	9/22/61	REBAR	A.S.	P.F.P.

CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

STRUCTURAL DETAILS

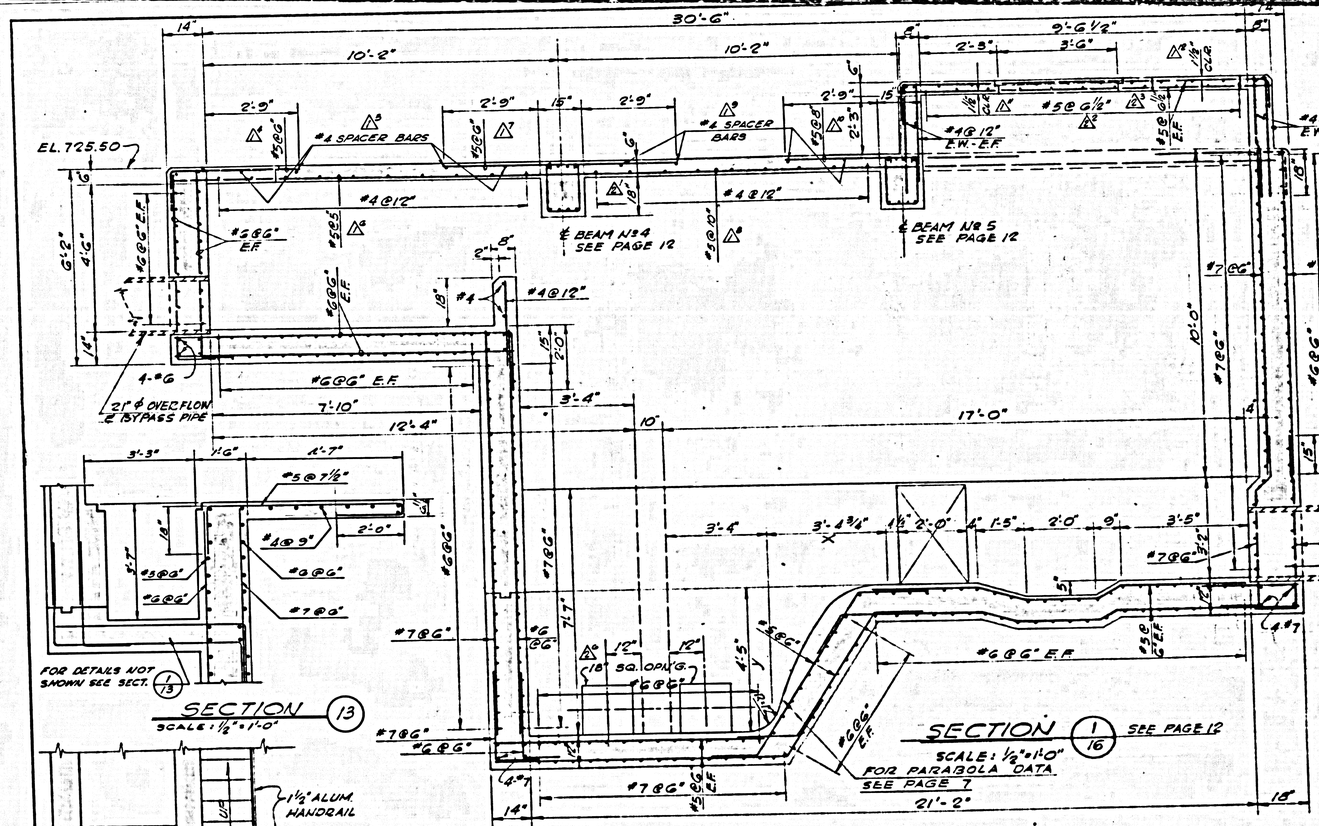
DIAMOND BAR SEWAGE PUMP STATION No 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

Rev. 2 Apprvd.	R.F. Norling	11-9-61	Date
Rev. 1 Apprvd.	R.F. Norling	11-9-61	Date

DESIGNED BUBOW — SCALE AS SHOWN
DRAWN — DATE JULY 13, 1961
CHECKED — JOB NO. 59509 — DRAWING NO. B-15
APPROVED Charles Adwers R.C.E. 6323

P.C. 31.02 PAGE 12 OF 25



32872

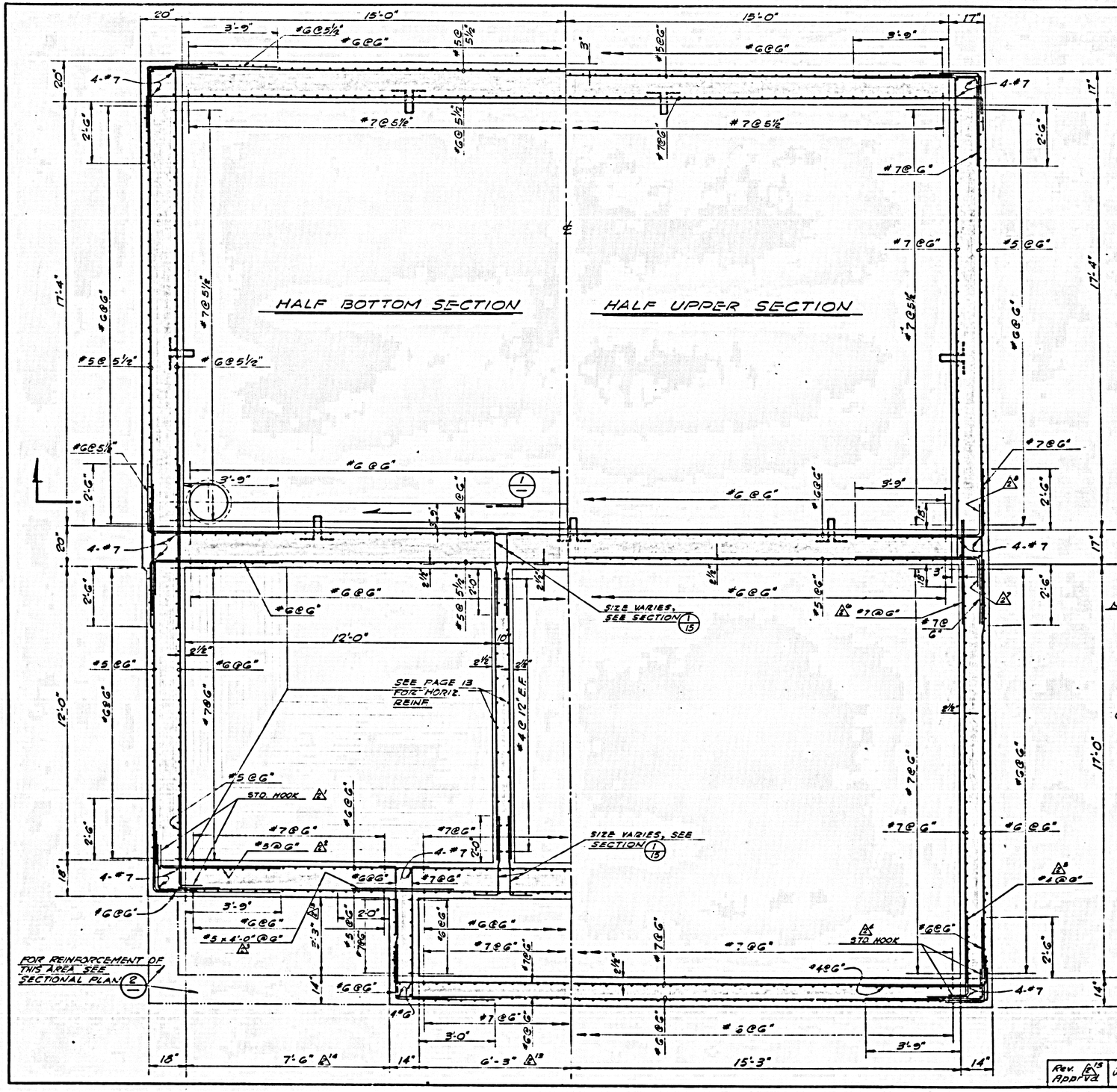
Rev. 2 Apprvd	C. F. Harling	11-2-61 Date	
Rev. 1 Apprvd	C. F. Harling	11-3-61 Date	
2	11/3/61	REV. DIMENSIONS, ELEV. NO., REBARS	G.C.	D.H.
1	9/22/61	REBAR	A.S.	R.K.P.
Rev. No.	Date	REVISIONS	Rev. by	Chkd. by

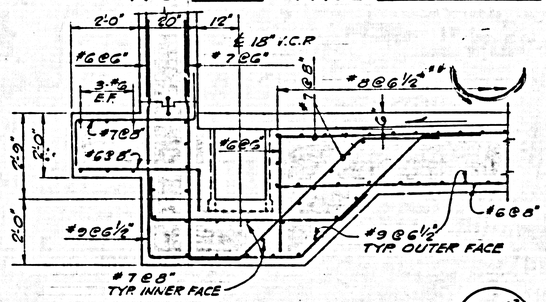
CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

STRUCTURAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION NO 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DRAWN	BURDW	SCALE	AS SHOWN
TRACED	MACKINTOSH	DATE	JULY 13, 1961
CHECKED		JOB NO.	DRAWING NO.
APPROVED	C. F. HARLING R.C.E. 13025	59509	25-16

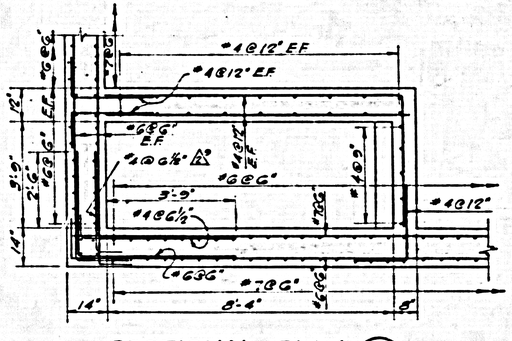




SECTION 1/—

SCALE: ½"=1'-0"

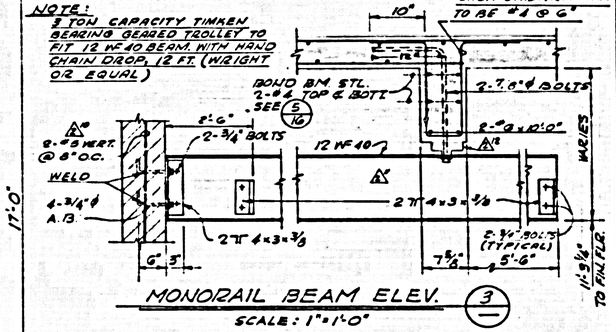
32873



SECTIONAL PLAN 2/—

SCALE: ½"=1'-0"

NOTE: 3 TON CAPACITY TIMKEN BEARING GEARED TROLLEY TO FIT 12 WF 40 BEAM WITH HAND CHAIN DROP, 12 FT. (WRIGHT OR EQUAL)



MONORAIL BEAM ELEV. 3/—

SCALE: 1"=1'-0"

3	11/3/61	SEE STR. @ CORNERS, BOND BM. DELETED	GC	DN
Rev. No.	Date	REVISION	Rev. By	Chkd. By

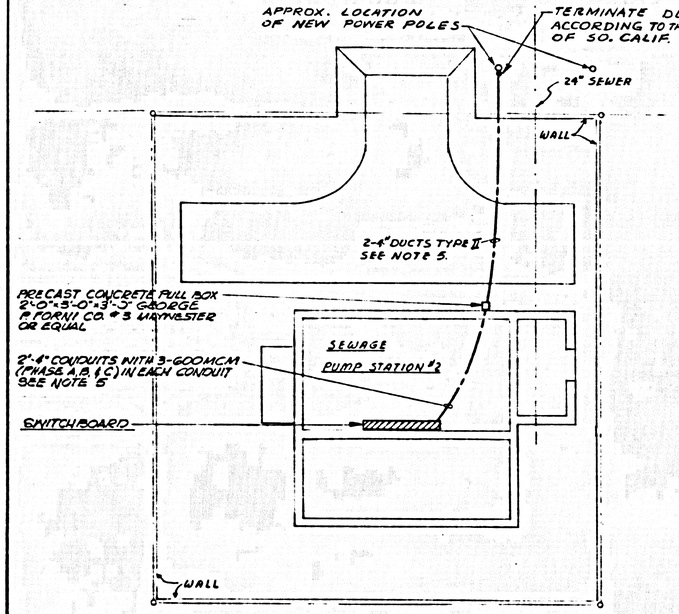
CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

STRUCTURAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION NO 2

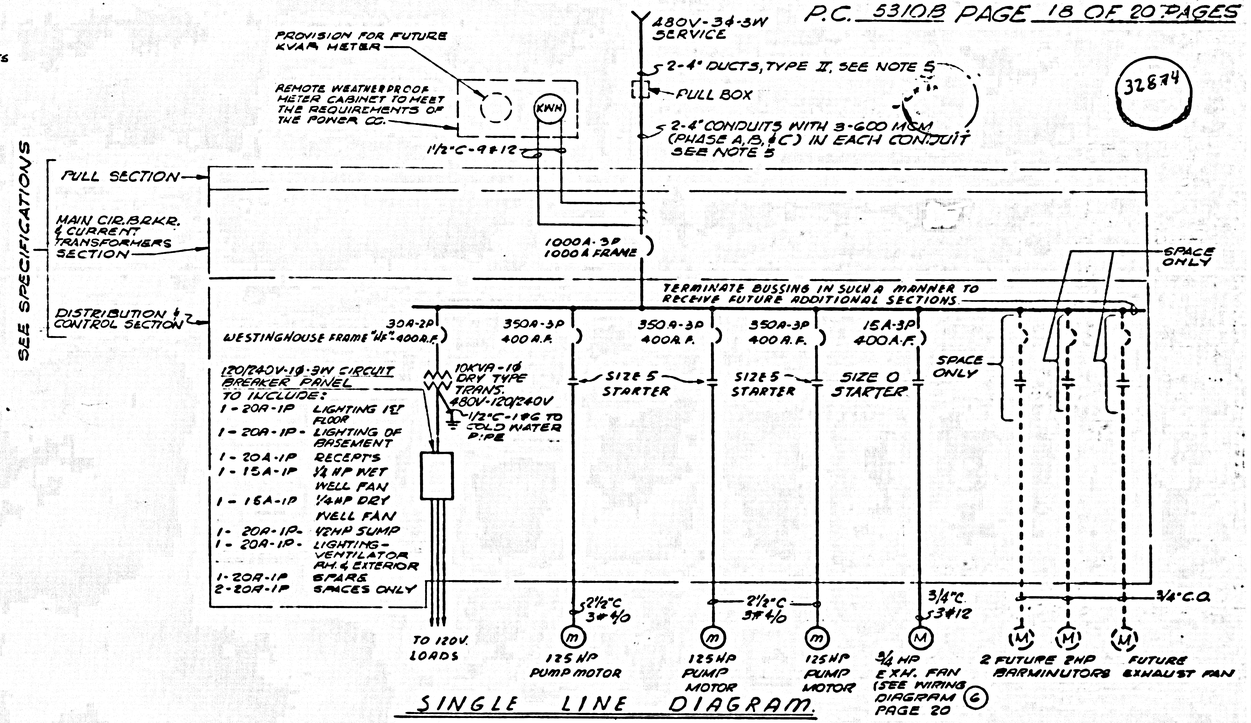
QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DESIGNED	BUBOW	SCALE	AS SHOWN
DRAWN	C.K.	DATE	JULY 13, 1961
CHECKED		JOB NO.	DRAWING NO.
APPROVED	Charles Palmer REE 4303	59509	B-17

Rev. 3/5 Approved — W.F. Harling — 11-9-61 Date



PLOT PLAN
SCALE: 1"=10'



SINGLE LINE DIAGRAM.

SYMBOL LIST

- BRANCH CIRCUIT CONCEALED IN CEILING OR WALL.
- BRANCH CIRCUIT EXPOSED.
- BRANCH CIRCUIT IN OR BELOW FLOOR.
- ½" CONDUIT - 2#12 WIRES
- ½" - 3#12
- ¾" - 4#12
- ¾" - 5#12

- INCANDESCENT CEILING OUTLET
- a — INCANDESCENT WALL OUTLET, LETTER DENOTES CONTROLLING SWITCH.
- A/20 — LIGHTING FIXTURE SYMBOL. LETTER DENOTES FIXTURE TYPE, NUMBER DENOTES WATTAGE OF FIXTURE.
- S — S.P.S.T. SWITCH.
- S2 — 2 POLE S.T. SWITCH
- S3 — 3 WAY SWITCH
- (M) — MOTOR, SIZE AS NOTED.
- (J) — JUNCTION BOX
- W.P. — INDICATES WEATHERPROOF
- C.O. — INDICATES CONDUIT ONLY
- DUPLEX CONVENIENCE OUTLET. GRD'G. TYPE, +12" EXCEPTIONS NOTED.
- HEAVY DUTY DISCONNECT SWITCH
- (T) — THERMOSTAT, +5'-0"

GENERAL NOTES:

1. ALL CONDUIT RUNS SHALL BE RIGID STEEL.
2. MOUNTING HEIGHTS INDICATED ON THE DRAWINGS SHALL BE FROM FINISHED FLOOR TO BOTTOM OF DEVICE OR FIXTURE.
3. GROUND SWITCHBOARD WITH 1"C-1#3/0 TO NEAREST COLD WATER PIPE.
4. CONDUIT RISERS INTO SWITCHBOARD SHALL BE BONDED TOGETHER WITH MINIMUM #6 SOLID COPPER WIRE, AND THEN BONDED TO SWITCHBOARD.
5. CONDUCTORS FROM TERMINAL POLES TO PULL BOX BY SO. CALIF. EDISON CO. FROM PULL BOX TO SWITCHBOARD BY CONTRACTOR.

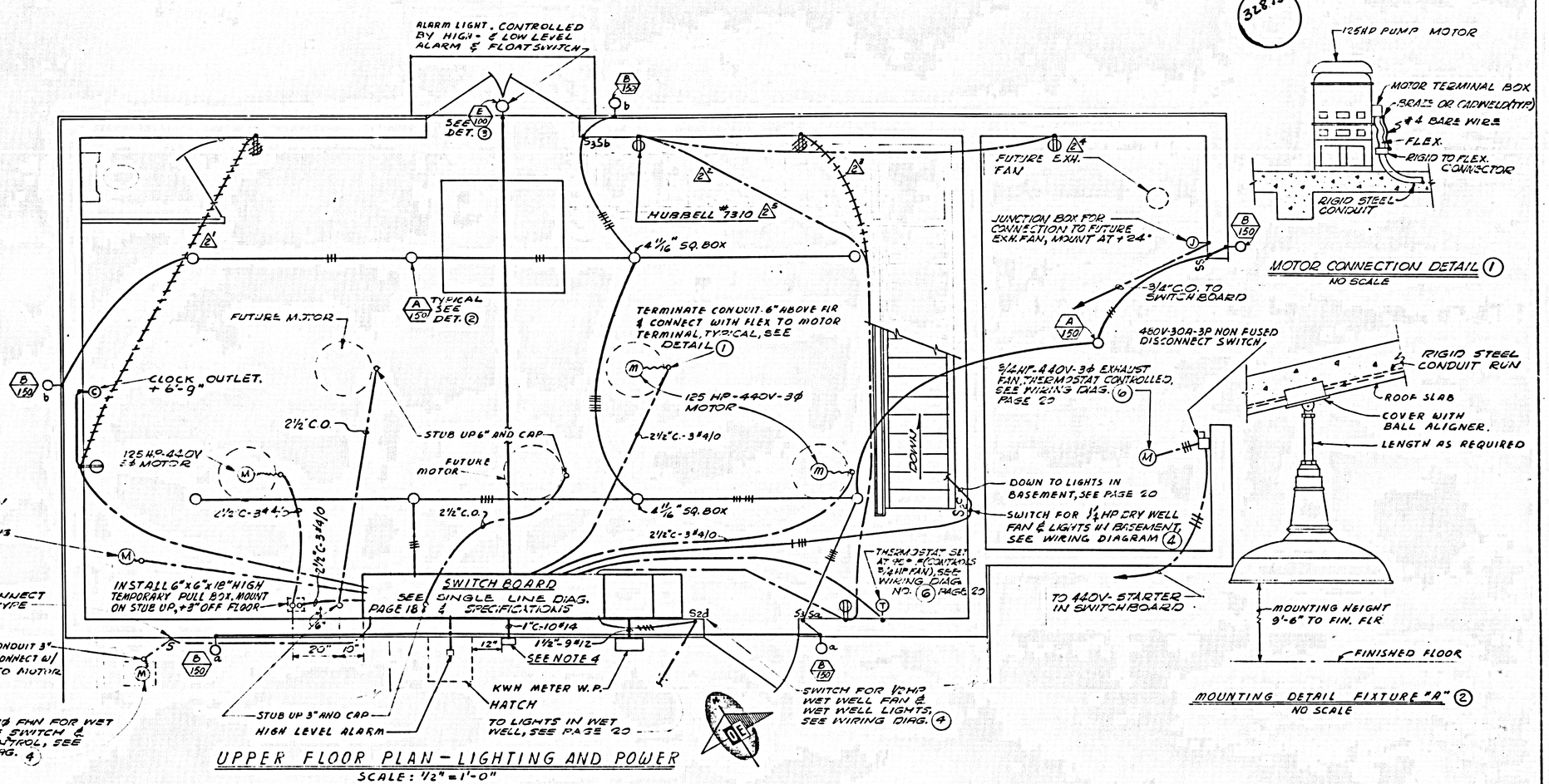
Rev. No.	Date	Revision	Rev. By	Chk'd. By

CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

ELECTRICAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION No 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DESIGNED HEYMANS — SCALE AS SHOWN
DRAWN ALEXANDER — DATE JULY 19, 1961
CHECKED [illegible] — JOB NO. 59509 — DRAWING NO. B-18
APPROVED [illegible] RCE 7423



UPPER FLOOR PLAN - LIGHTING AND POWER

SCALE: ½" = 1'-0"

MOTOR CONNECTION DETAIL (1)

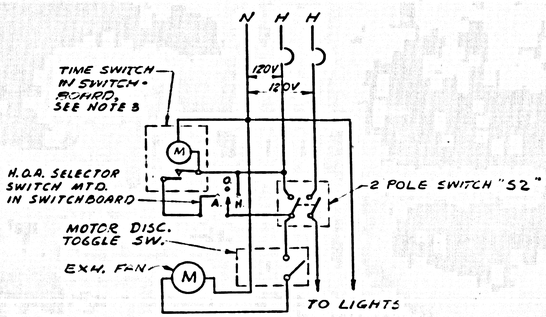
NO SCALE

MOUNTING DETAIL FIXTURE "A" (2)

NO SCALE

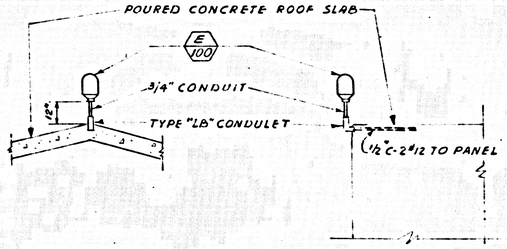
NOTES

1. FOR ELEC. SYMBOLS, SINGLE LINE DIAGRAM AND GENERAL NOTES SEE PAGE 18.
2. FOR LIGHTING FIXTURE SCHEDULE SEE ALSO PAGE 20.
3. TIME SWITCH SHALL BE S.P.S.T. TORK #4100 OR EQUAL.
4. INSTALL INSIDE W.P., LOCKABLE CABINET 5 MOMENTARY, SPRING RETURN, PUSH BUTTONS (2 PUSH BUTTONS FOR FUTURE PUMP MOTORS). PUSH BUTTONS SHALL BE IN STARTER COIL CIRCUIT OF PUMPS. PUMP MOTOR TO RUN ONLY IF PUSH BUTTON IS HELD IN AND MOTOR SHALL STOP IF PUSH BUTTON IS RELEASED. TO BE GROUNDED THRU CONDUIT SYSTEM, PER CODE.



NOTE: DIAGRAM FOR WET WELL FAN & LIGHTS SIMILAR AS FOR DRY WELL FAN & LIGHTS

WIRING DIAGRAM (4)



MOUNTING DETAIL OF ALARM LIGHT FIXTURE "E" (3)

NO SCALE

Rev. No.	Date	Revision	Rev. By	Chkd. By
		Rev. As Apprvd	B.F. Hall	11-9-61 Date
2	11-3-61	RELOCATE RECEPTACLES	H.W.	P.P.

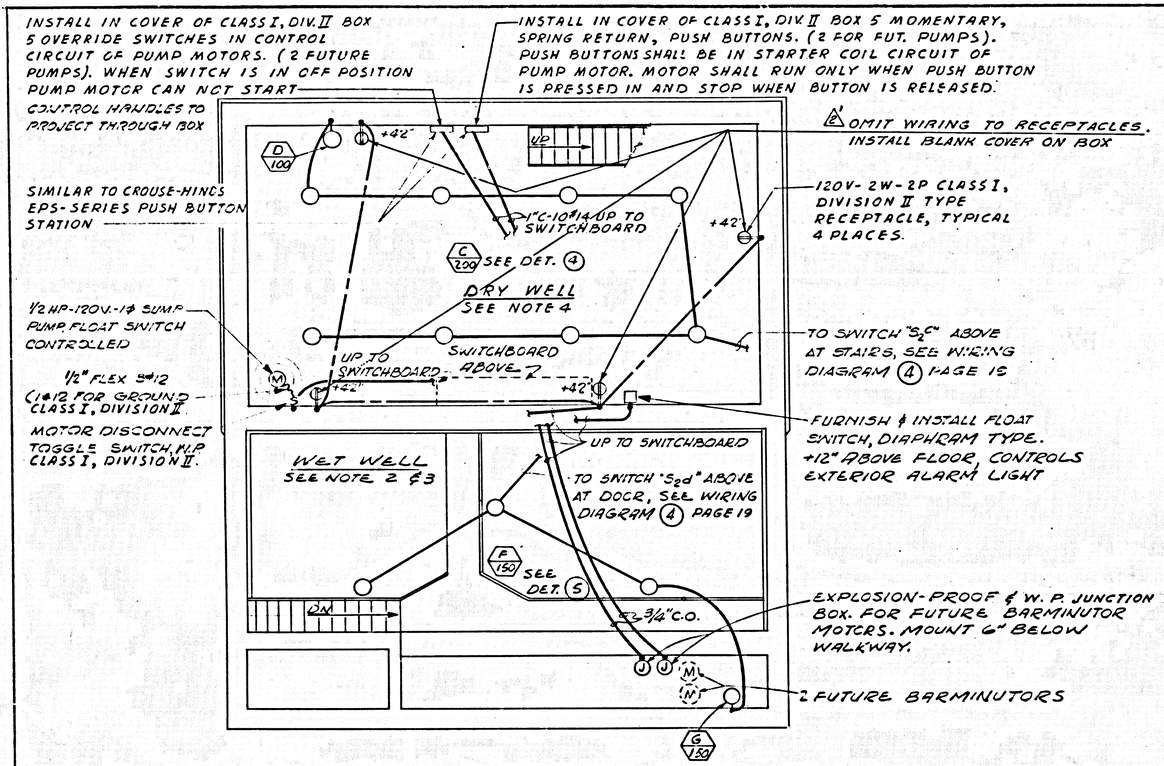
CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

ELECTRICAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION NO 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

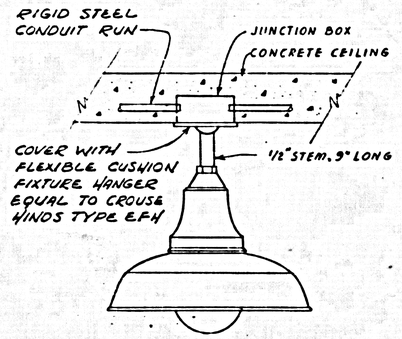
DESIGNED	HEYMANS	SCALE	AS SHOWN
DRAWN	ALEXANDER	DATE	JULY 13, 1961
CHECKED	[illegible]	JOB NO.	59509
APPROVED	Charles Quinton R.C.E. 1055	DRAWING NO.	B-19

32876



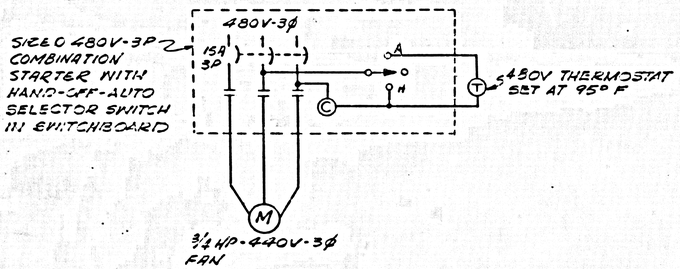
BASEMENT — LIGHTING & POWER PLAN

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



FIXTURE "C" & "F" MOUNTING DETAIL (5)

NO SCALE



WIRING DIAGRAM (6)

NOTES

1. FOR ELECTRICAL SYMBOLS, SINGLE LINE DIAGRAM AND GENERAL NOTES SEE PAGE 18.
2. LOCATE LIGHTS IN WET WELL NEAR WALKWAYS, SO LAMPS CAN BE REPLACED FROM WALKWAY.
3. ELECTRICAL WORK IN WET WELL SHALL CONFORM TO THE STATE OF CALIFORNIA CODE FOR HAZARDOUS AREA, CLASS I, DIVISION I
4. ELECTRICAL WORK IN DRY WELL SHALL CONFORM TO THE STATE OF CALIFORNIA CODE FOR HAZARDOUS AREA CLASS I, DIVISION II.

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING HEIGHT
A 150	INCANDESCENT, BENJAMIN No 7642 WITH 1-150 WATT I.F. LAMP.	SEE DETAIL (2) PAGE 19
B 150	INCANDESCENT, HOLOPHANE No 415 WITH 1-150 WATT CLEAR LAMP.	WALL MTD +10'-0" ABOVE FINISHED GRADE
C 200	INCANDESCENT, BENJAMIN No 6502 WITH 1-200 WATT I.F. LAMP	SEE DETAIL (5)
D 100	INCANDESCENT, BENJAMIN No 6501 WITH 1-100 WATT I.F. LAMP.	WALL MTD +6'-9"
E 100	INCANDESCENT ALARM LIGHT, BENJAMIN No 7121-A, WITH AMBER GLOBE.	SEE DETAIL (3) PAGE 19
F 150	INCANDESCENT, BENJAMIN No 7612 WITH 1-150 WATT I.F. LAMP	S&E DET. (5)
G 150	INCANDESCENT, BENJAMIN No 7602-BX WITH 1-150 WATT I.F. LAMP	WALL MTD. 12" BELOW CEILING.

Rev. No.	Date	Revision	Rev. By	Appd. By
		Rev. & Approved	B.F. Kelley	11-9-61 Date
12	11-2-61	DELETED WIRING	HW	PP

CAPITAL COMPANY
DIAMOND BAR, CALIFORNIA

ELECTRICAL DETAILS
DIAMOND BAR SEWAGE PUMP STATION No 2

QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIFORNIA

DESIGNED	HEYMENS	SCALE	AS SHOWN
DRAWN	ALEXANDER	DATE	JULY 13, 1961
CHECKED	[illegible]	JOB NO.	DRAWING NO.
APPROVED	[illegible]	59509	B-20

B-2310

PUENTE BLDG. DIST. NO. 2

PROFILE ALIGNMENT AND GRADE OF P.C. 5310C

SANITARY SEWERS AND SEWAGE PUMPING STATION

PAGE 1

J.N. 0351.94

TO BE CONSTRUCTED IN SANITARY SEWER RIGHTS OF WAY

PRIVATE CONTRACT NO. 5310C

W.S.

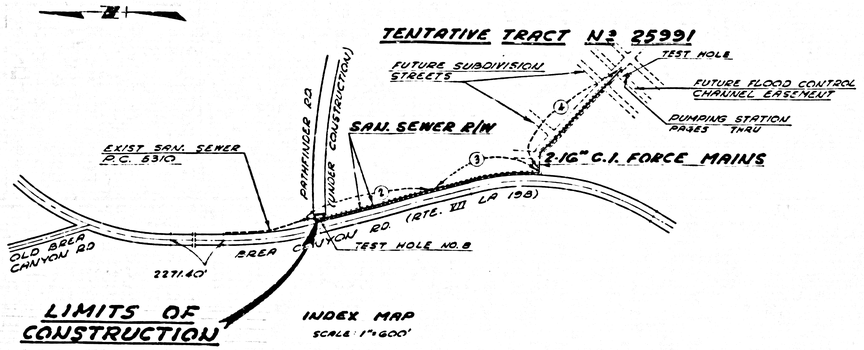
1 SHEETS; 2 PAGES

SCALE: VERT. AS SHOWN HORIZ. AS SHOWN

32845

PREPARED IN THE OFFICES OF
QUINTON ENGINEERS, LTD.
LOS ANGELES 17, CALIF.
By H. W. Tonner REG. C. E. NO. 6422

FOR LEGEND SEE PLAN NO. S-A-64



Bench Mark No. SG.1307
L&T. G' E/O West End of concrete Retaining wall. 70' N/O Power pole No. 47129 E. & 23' N/O E of Walnut Drive. (Otterbein Quad. 1955 Adj.)
El. 502.453

Basis of Bearings:
The bearings for Brea Canyon Road as shown on Record of Survey filed in book 76, pages 51 thru 56 were used as a basis of bearings for the project.

NOTES

1. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE
2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAYOUT ANY PORTION OF THE WORK
3. ~~THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND DEVICES FOR ALL HOUSE LATERALS AND A DRAWING AND GRADE PROVIDED AS HERE REQUIRED INDICATING ALIGNMENT AND PLANNED SEWERS WITH P.C. OR LOCATION~~
4. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER
5. USE STANDARD MANHOLE FRAMES AND COVERS, S.A 117, EXCEPT AS NOTED
6. USE EXTRA STRENGTH PIPE.
7. USE CEMENT MORTAR OR "WEDGE-LOCK" OR "SPEED SEAL" FOR ALL VCP JOINTS PER SPEC'S.
8. RESURFACE ALL TRENCH WITHIN PAVED AREA TO MEET L A COUNTY ROAD DEPT., OR CALIF. STATE HIGHWAY DEPT REQUIREMENTS IN ACCORDANCE WITH PERMITS
9. ENCASE FOUR FEET OF SEWER AT POINTS OF INTERFERENCE WITH POLES. S.A 119
10. ~~HOUSE SEWERS TO BE CONSTRUCTED UNDER SEPARATE AND CONCURRENT PERMIT AND INSPECTION~~
11. ALL STRUCTURES SHALL BE BRICK SEWER STRUCTURES, S.A 104, EXCEPT AS NOTED
12. FOR ALLOWABLE LEAKAGE TEST AND PRESSURE TEST SEE SPEC'S.
13. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE 6" ABOVE FINISHED GRADE
14. MANHOLES CONSTRUCTED IN RIGHT OF WAY TO BE CONSTRUCTED WITH 8 FEET OF MANHOLE EXTENSION PER S-A-61
15. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION AND STORM DRAIN DIVISION BY TELEPHONE, MADISON 9-6767 EXT. 61363 AT LEAST TWENTY FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
16. FOR BORING LOGS OF TEST HOLES "SEE SPEC'S.

NOTE:
SEE LETTER DATED MARCH 21, 1961 FROM QUINTON ENGINEERS LTD. ON FILE IN SANITATION DIVISION OFFICE.

NOTE
GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR L TOP OF CURB, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS 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.S. DATUM OR MEAN SEA LEVEL
THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS
WORK SHALL BE CONSTRUCTED ACCORDING TO SPECIFICATIONS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER
BEFORE WORK CAN BE STARTED THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L A COUNTY ROAD DEPT., 108 W. 2ND ST. AND MAKE A DEPOSIT WITH THE COUNTY ENGINEER ROOM 221 PAN AMERICAN BUILDING 252 SO. BROADWAY SUFFICIENT TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT THIS NOTE APPLIES TO ALL PAGES
IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET

COUNTY OF LOS ANGELES, CALIFORNIA

APPROVED, JOHN A. LAMBIE, COUNTY ENGINEER

BY C. A. Hughes SANITATION ENGINEER
CHECKED BY C. F. Nolte 3-21-61
OFFICE OF COUNTY ENGINEER, BRIDGE & ENG. NO. 11636

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