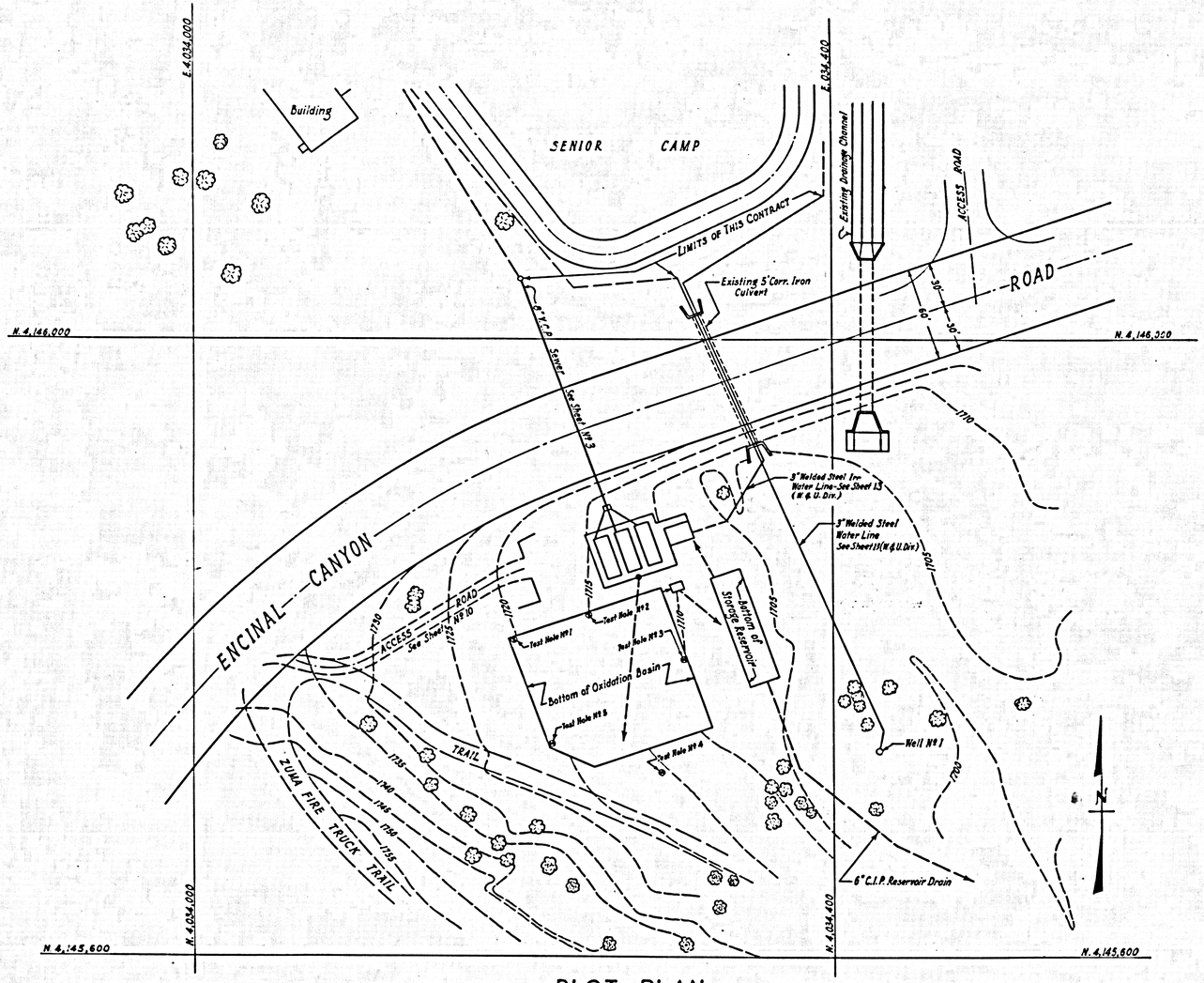
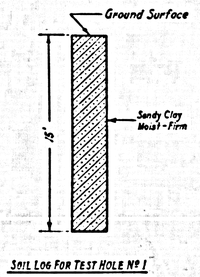
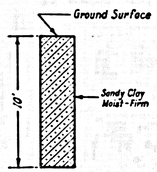


PLOT PLAN

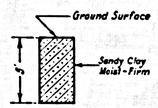
SCALE: 1" = 40'



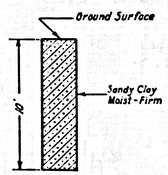
SOIL LOG FOR TEST HOLE No 1



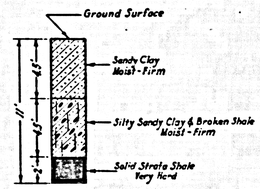
SOIL LOG FOR TEST HOLE No 2



SOIL LOG FOR TEST HOLE No 3

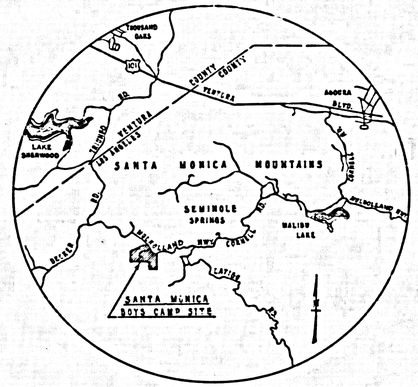


SOIL LOG FOR TEST HOLE No 4



SOIL LOG FOR TEST HOLE No 5

Soil borings for these test holes made on March 16, 1961
No water encountered



VICINITY MAP

SCALE: 0 1 2 3 MILES

INDEX

CONTENTS OF SHEETS	SHEET NUMBER
Vicinity Map and Plat Plan	1
Grading, Fencing and Drainage Plan	2
Main Line Sewer and Distribution Chamber	3
Equipment Building	4
Chlorine Contact Chamber	5
Mechanical Equipment	6
Flow Diagram, Outlet Structure and Piping	7
Electrical Layout	8
Sidewalks, Tank Pads and Guard Rails	9
Access Road and Parking Area	10
Anchor Details For Hydraulic Lining	11
A Two Tank Alternate	12
Water Mains and Appurtenances (W. & U. Div.)	13

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

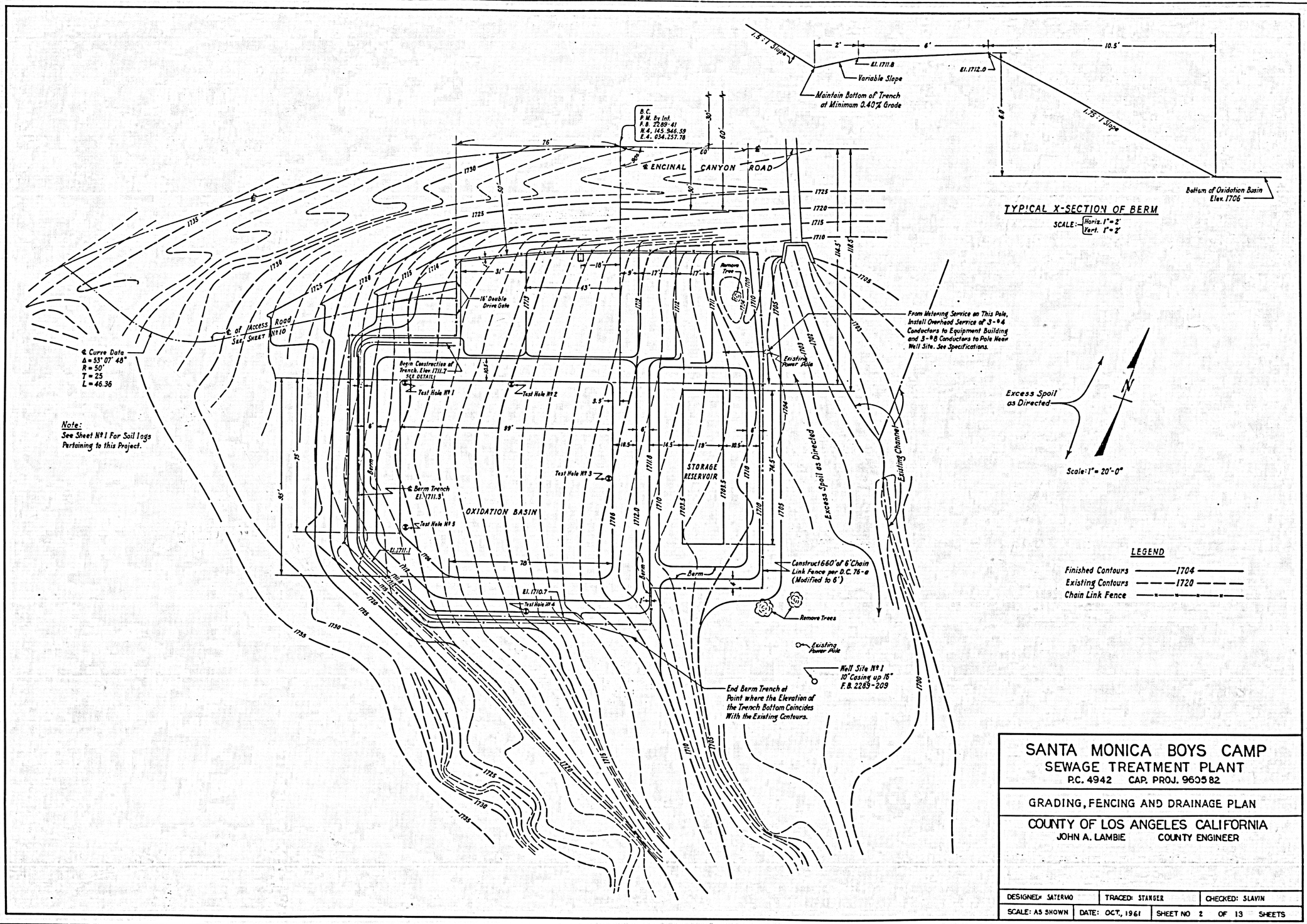
VICINITY MAP AND PLOT PLAN

COUNTY OF LOS ANGELES CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

SUBMITTED: [signature] DESIGN ENGINEER APPROVED: [signature] SANITATION ENGINEER

APPROVED: [signature] FOR PROBATION DEPARTMENT 11-16-61

DESIGNED: SATERMO	TRACED: STANGER	CHECKED: SLAVIN
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 1 OF 13 SHEETS



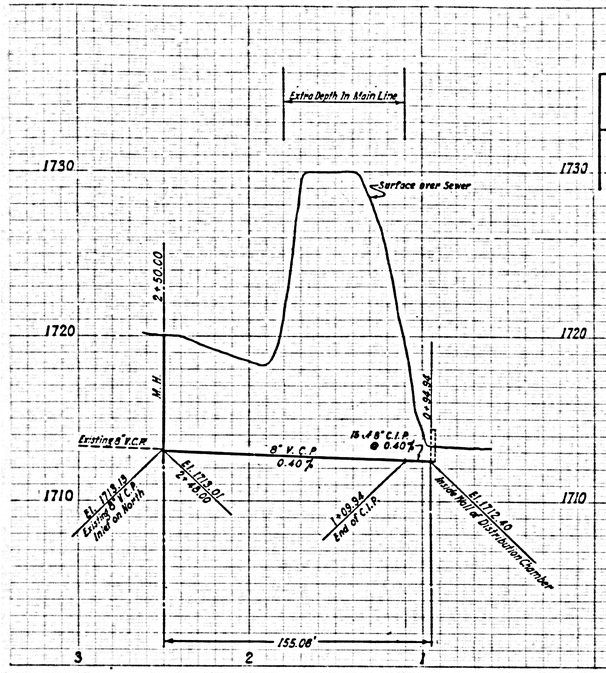
SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605 82

GRADING, FENCING AND DRAINAGE PLAN

COUNTY OF LOS ANGELES CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

DESIGNED: SATERMO	TRACED: STANGER	CHECKED: SLAVIN
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO 2 OF 13 SHEETS

P.C. 4942 - CAP. PROJ. 9605.82 - SANTA MONICA BOYS CAMP



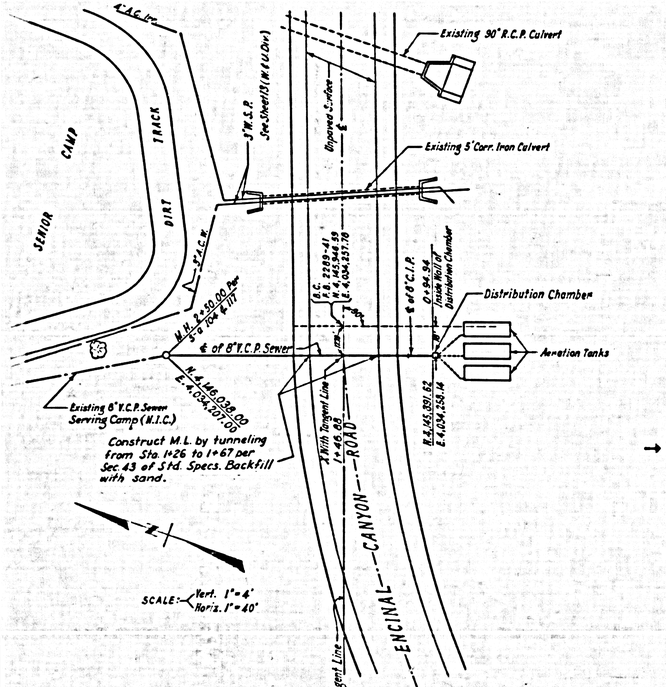
BENCH MARK Nº TBM 2
ELEVATION 1889.929
F.B. 2289-39

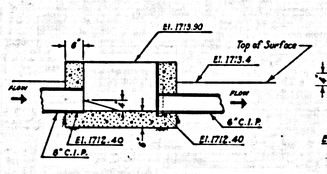
Use Extra Strength Pipe, All Pipe is Standard Depth Except as Noted.
Use Plastisol Joints per Sec's. 36 & 48 of Spec's.
Use Formula Nº1, Sec. 54 of Spec's. to Compute Allowable Leakage.
The Contractor Shall Notify the Construction Division by Telephone. MAdison 9-4747, Ext. 81551 at Least 24 Hours Before Starting Any Work Under This Contract.

LEGEND

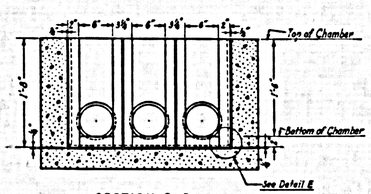
See Plan Nº 5-a-64

Grades to Which This Sewer is to be Constructed Are Shown on This Plan and Profile.
Elevations Are in Feet Above U.S.C. and G.S. Sea Level Datum as of 1929.

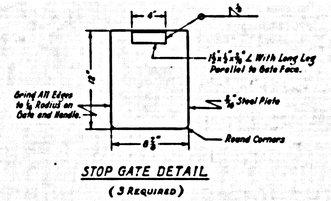




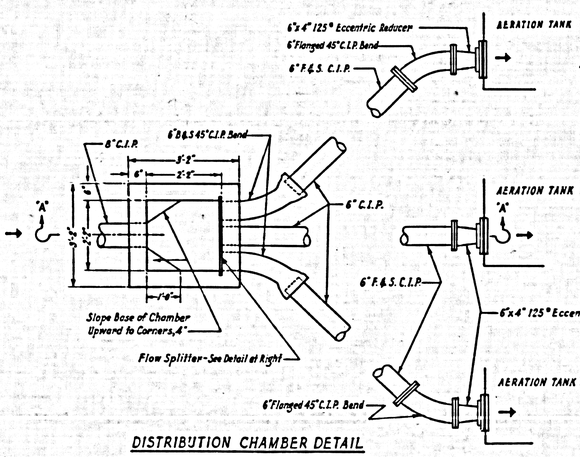
SECTION A-A DETAIL
SCALE: ½"=1'-0"



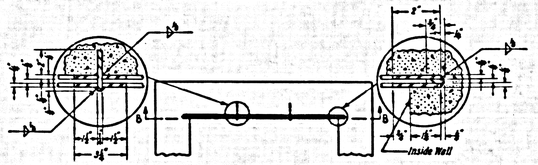
SECTION B-B



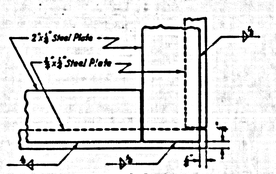
STOP GATE DETAIL
(3 REQUIRED)



DISTRIBUTION CHAMBER DETAIL
SCALE: ½"=1'-0"



FLOW SPLITTER DETAIL
SCALE: 1"=1'-0"



DETAIL "E"

NOTE:
Use Non-shrink Grout (Embeco or Approved Equal) Around Pipes and Flow Splitter in Wall Openings to Insure Water Tightness.
If, at the Option of the Contractor and Approved by the County Engineer, Treatment Tanks With Side Inlets Are Used; The Tank Inlet Arrangement Shown on Sheet Nº12 Shall Supercede the Inlet Arrangement Shown Hereon.
All Metal Surfaces on Flow Splitter, Except Slots For Stop Gate, Shall be Coated With Asphaltum.

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

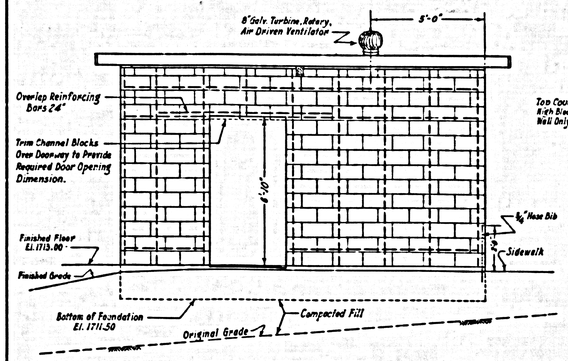
MAIN LINE SEWER AND DISTRIBUTION CHAMBER

COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

DESIGNED: SATERMO	TRACED: STANGER		CHECKED: HIGGINSON SLAVIN
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 3	OF 13 SHEETS

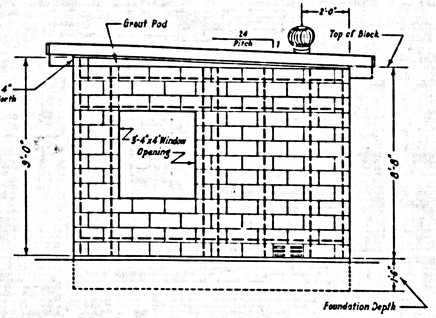
P.C. 4942-CAP. PROJ. 9605.82-SANTA MONICA BOYS CAMP
SHEET 3-MAIN LINE SEWER & DISTRIBUTION CHAMBER

TRIM LINE



NORTH ELEVATION

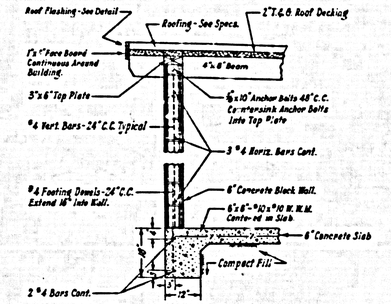
SCALE: 1"=3'-0"



WEST ELEVATION

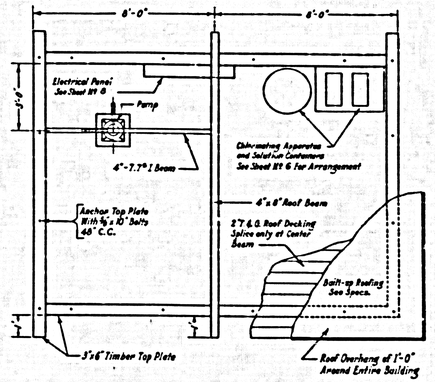
SCALE: 1"=3'-0"

Note: Install Metal Window in Opening According to Manufacturer's Specifications. Use Fenestra (3'-4½"x6'-1") W 415A or Approved Equal. D.S. & Glass.



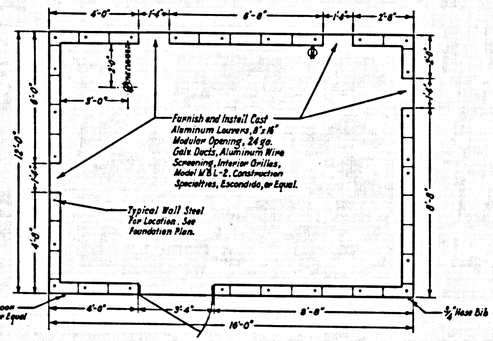
NORTH WALL SECTION (TYPICAL)

SCALE: 1"= 2'-0"



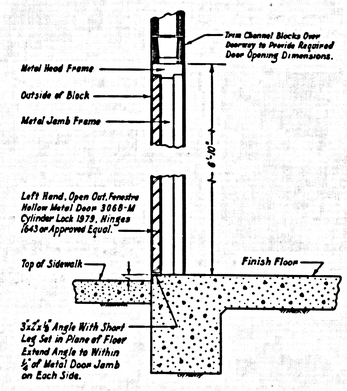
ROOF PLAN AND EQUIPMENT LOCATION

SCALE: 1"=3'-0"



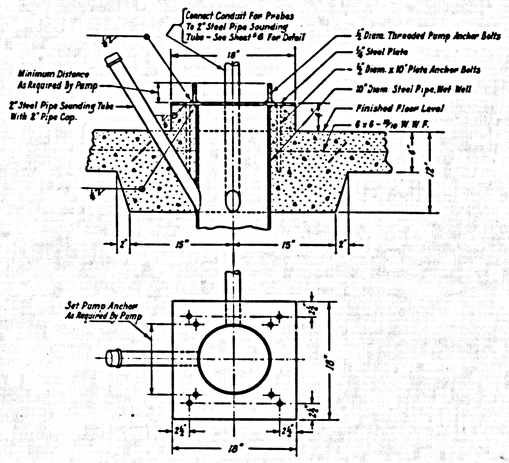
PLAN AT FIRST BLOCK COURSE

SCALE: 1"=3'-0"



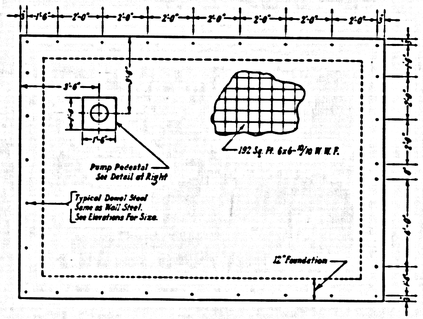
DOOR OPENING DETAIL

SCALE: 1"= 1'-0"



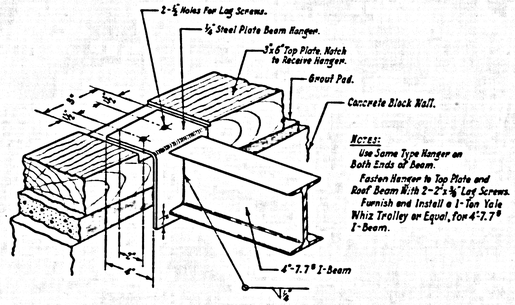
PUMP PEDESTAL DETAIL

NO SCALE



SLAB AND FOUNDATION PLAN

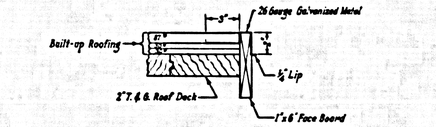
SCALE: 1"= 3'-0"



Notes:
Use Same Type Hanger on Both Ends of Beam.
Fasten Hanger to Top Plate and Roof Beam With 2-2"x ⅜" Lag Screws.
Furnish and Install a 1-Ton Yale Whiz Trolley or Equal, For 4"-7.7# I-Beam.

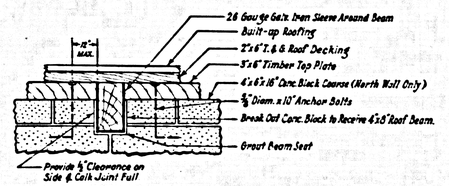
BEAM HANGER DETAIL

NO SCALE



ROOF FLASHING DETAIL

NO SCALE



TYPICAL BEAM SEAT DETAIL

NO SCALE

GENERAL NOTES:

All Cells Containing Vertical Steel Will Be Filled With Grout. When Grout Pour Exceeds 4 Feet In Height An Inspection Hole Is To Be Placed At The Bottom Of Every Cell Containing A Vertical Reinforcing Bar. Mortar Droppings Are To Be Cleaned Out Of This Cell Before Steel Is Placed.

Cells Must Not Be Filled Before They Have Been Inspected.

Vertical Steel Must Be In Place At The Time Of Inspection.

Grouting Must Not Be Done Through The Band Beam Steel.

Cells Containing Embedded Bolts Shall Be Grouted Full For A Distance Of 4 Inches Above And 4 Inches Below The Bolt.

Beam Blocks Will Be Used To Carry Horizontal Steel, Except Over Doorway Where Channel Blocks Will Be Used.

The Beam Blocks Will Be Laid Over Strips Of Metal Lath. Do Not Place Metal Lath Over Cells That Are To Be Grouted.

Where Splicing Of Reinforcing Bars Is Required, The Bars Will Be Lapped A Minimum Of 15 Inches.

Lumber Shall Be Douglas Fir Construction Grade or Better.

Structural Welding Shall be Performed in a Licensed Fabricators' Shop.

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

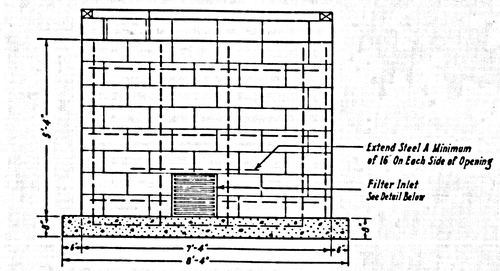
EQUIPMENT BUILDING

COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

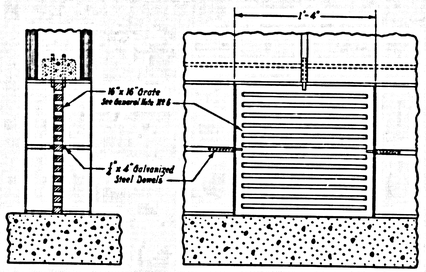
DESIGNED: HIGGINSON	TRACED: STANGER	CHECKED: YELINEK	
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 4 OF 13 SHEETS	

P.C. 4942 - CAP. PROJ. 9605.82 - SANTA MONICA BOYS CAMP
SHEET 4 - EQUIPMENT BUILDING

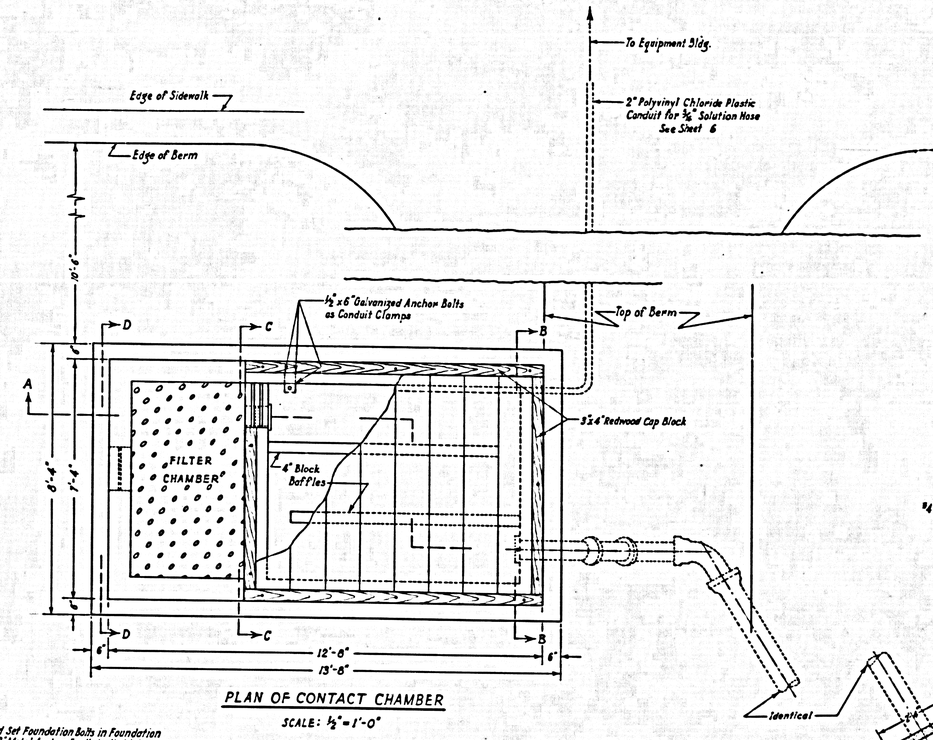
TRIM LINE



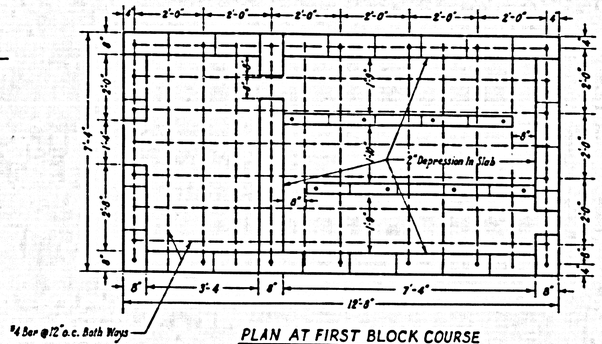
SECTION D-D
SCALE: ½" = 1'-0"



FILTER INLET DETAIL
SCALE: 1½" = 1'-0"



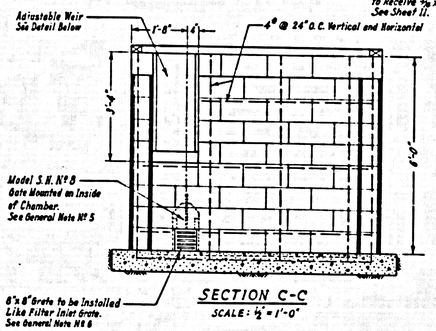
PLAN OF CONTACT CHAMBER
SCALE: ½" = 1'-0"



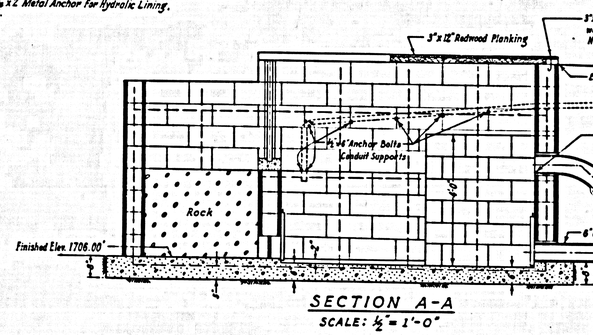
PLAN AT FIRST BLOCK COURSE
SCALE: ½" = 1'-0"

SLAB NOTES:
#4 Bars 12" o.c. Both Ways.
Set Steel in Slab With Short Steel 3" From Bottom.
Bend Alternate Bars Up Into Wall A Minimum of 12".
Alternate Bars That Are Not Bent Up Will Terminate 3" From Exterior Edge of Slab.

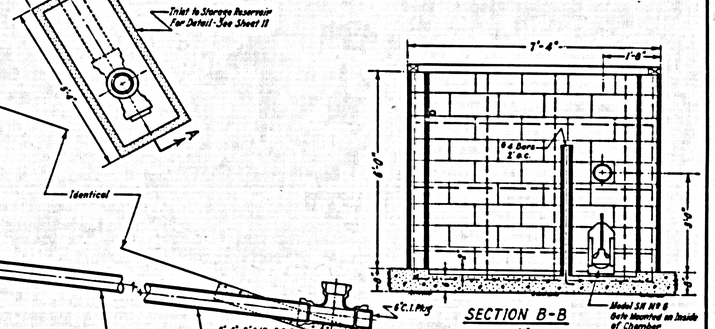
NOTE: Provide Slot and Set Foundation Bolts in Foundation to Receive ⅛" x 2" Metal Anchor For Hydraulic Lining. See Sheet 11.



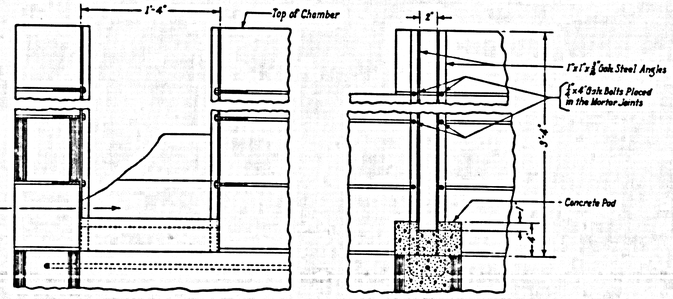
SECTION C-C
SCALE: ½" = 1'-0"



SECTION A-A
SCALE: ½" = 1'-0"



SECTION B-B
SCALE: ½" = 1'-0"



WEIR DETAIL
SCALE: 1½" = 1'-0"

GENERAL NOTES:

1. Steel Reinforcement
   A. Beam Blocks Shall Be Used To Carry Horizontal Steel.
   B. Where Splicing Is Required, The Bars Will Be Lapped A Minimum Of 12".
2. All Dimensions Given On This Sheet Are Modular.
3. All Cells Shall Be Filled With Grout.
4. With The Exception Of The First Block Course, The Beam Blocks And The Top Block Course Shall Be Laid Over Strips Of Metal Lath. Do Not Place Metal Lath Over Cells Containing Vertical Steel.
5. Snow Shasta Gate, Or Approved Equal; Provide Only One Extension Handle For All Gates.
6. Alhambra Foundry Galvanized Cast Iron Gate Nº A-2010 Or Approved Equal.
7. The Filter Material Shall Be Crushed Stone, Rock Spalls or Similar And Shall Range In Size From 1 to 2½ Inches.
8. Use Non-shrink Grout (Embacco Or Approved Equal) Around Pipes In Wall Openings To Insure Water Tightness.
9. Inside Of Structure Shall Be Plastered With Two Coats Of Cement Plaster Aggregating One Inch In Thickness And Must Be Watertight. (Set Gates After Plastering)
10. Inside And Outside Of Structure, Including Bottom But Excluding Top Of Last Course Shall Be Coated With One Thick Coat Of Bituminastic.

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

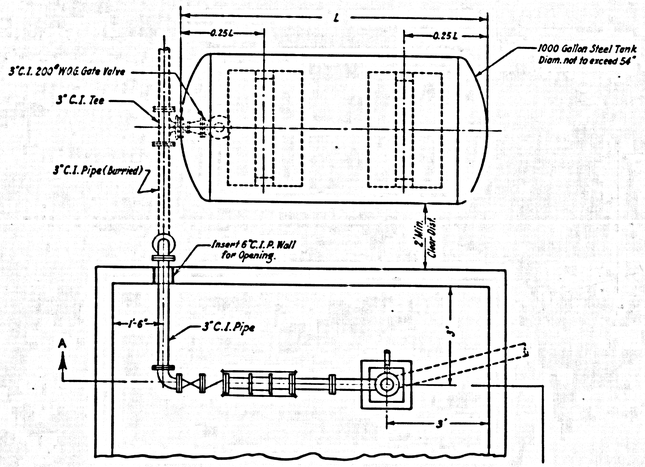
CHLORINE CONTACT CHAMBER

COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

DESIGNED: HIGGINSON SATERMO	TRACED: STANGER	CHECKED: SLAVIN
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 5 OF 13 SHEETS

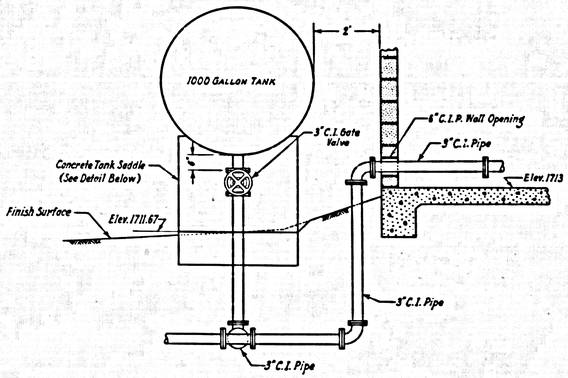
TRIM LINE

P.C. 4942 - CAP. PROJ. 9605.82 - SANTA MONICA BOYS CAMP
SHEET 5 - CHLORINE CONTACT CHAMBER



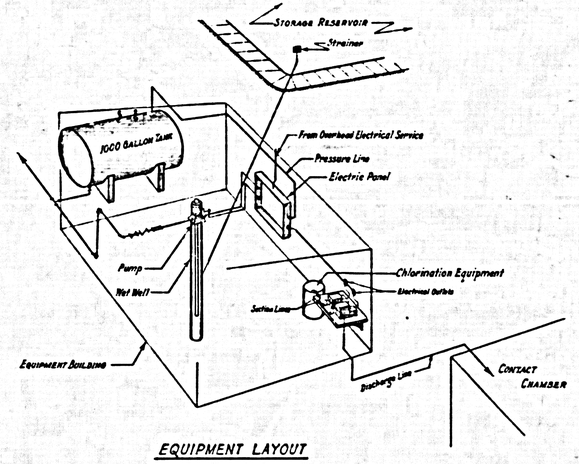
PUMPING EQUIPMENT LAYOUT

Scale ½"= 1'

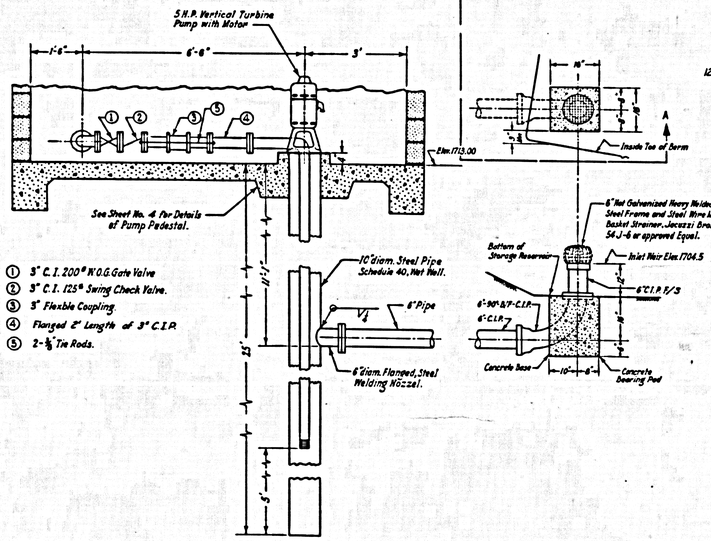


PROFILE

Scale: ½" = 1'

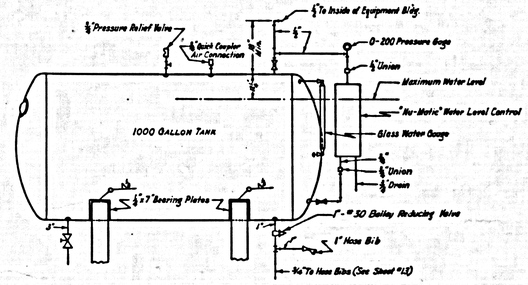


EQUIPMENT LAYOUT



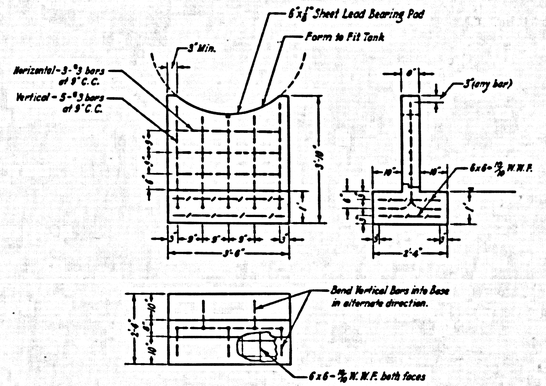
SECTION A-A

Scale: ½"=1'



PNEUMATIC TANK FITTINGS

Scale: ½"=1'



CONCRETE TANK SADDLE

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

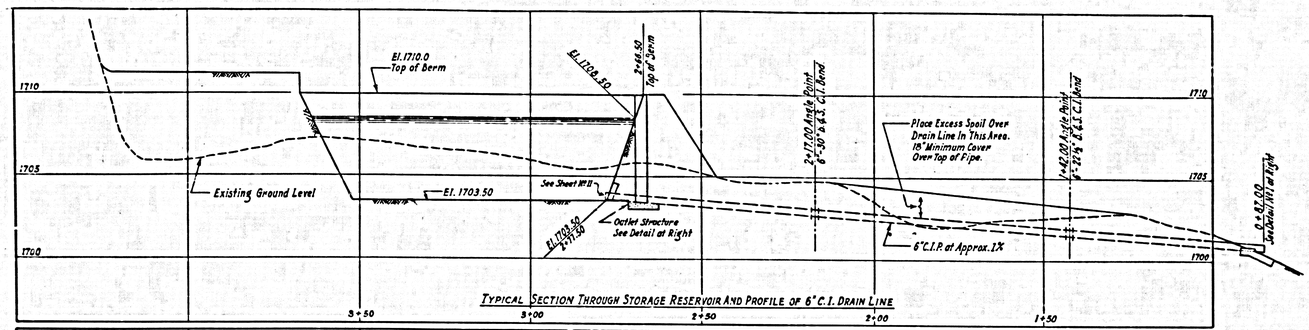
MECHANICAL EQUIPMENT

COUNTY OF LOS ANGELES CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

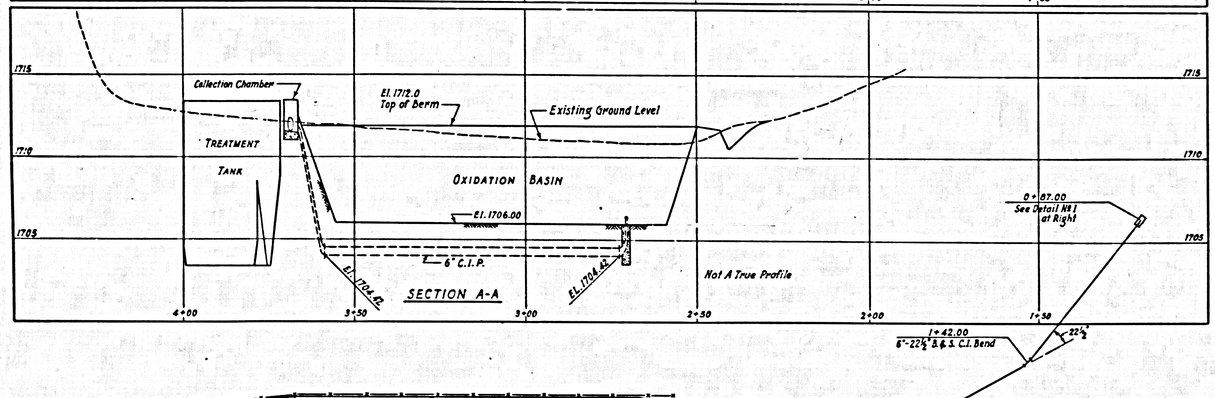
DESIGNED: SATERMO	TRACED: STANGER	CHECKED: HIGGINSON	
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 6 OF 13	SHEETS

P.C. 4942 - CAP. PROJ. 9605.82 - SANTA MONICA BOYS CAMP
SHEET 6 - MECHANICAL EQUIPMENT

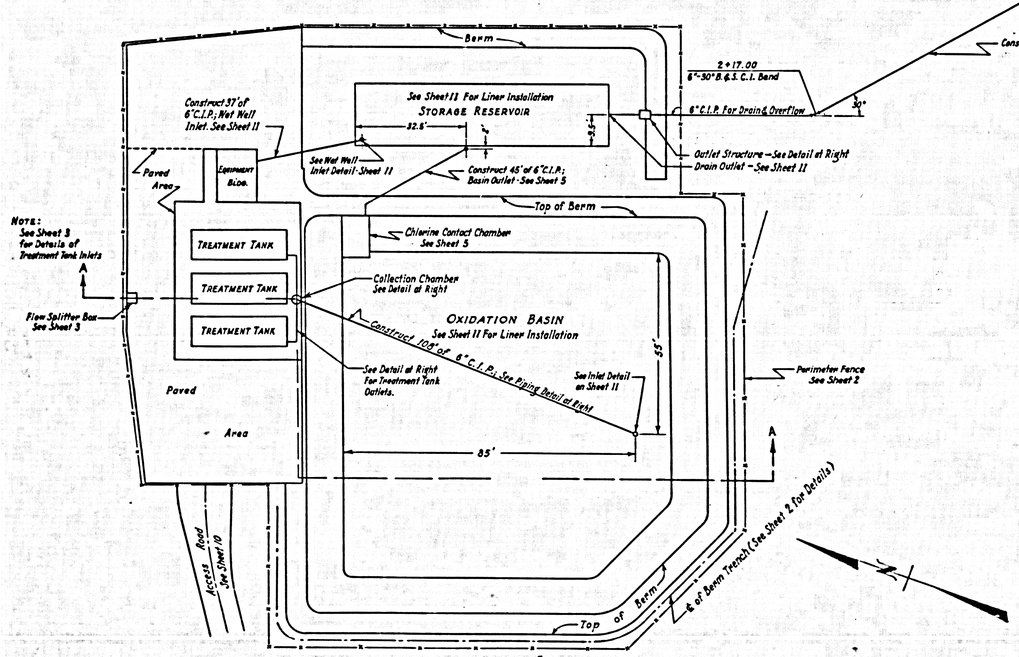
TRIM LINE



TYPICAL SECTION THROUGH STORAGE RESERVOIR AND PROFILE OF 6" C.I. DRAIN LINE

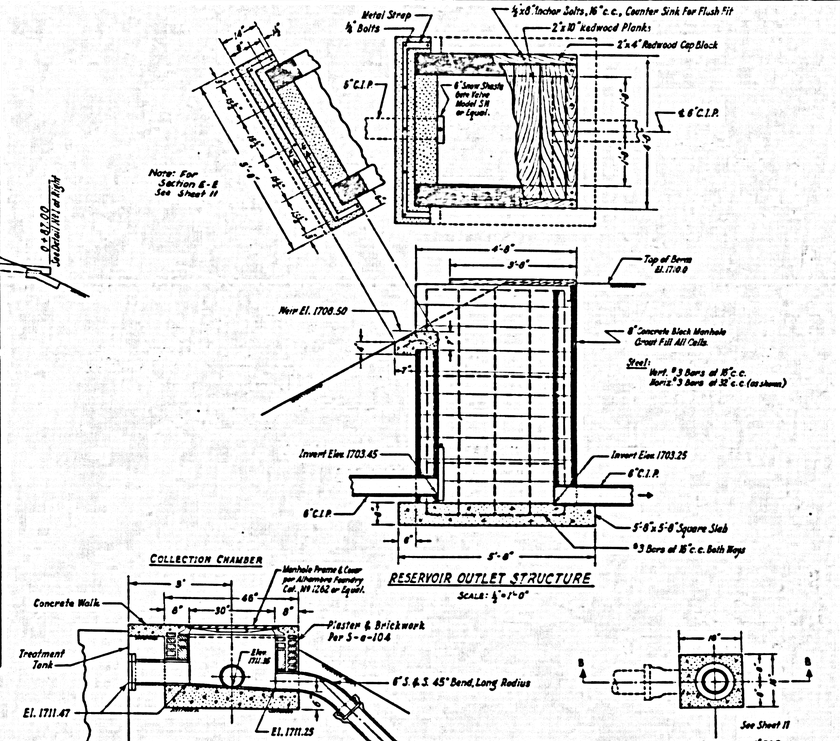


SECTION A-A



PLAN AND PROFILE

SCALE: { Vert. 1" = 4' / Horiz. 1" = 20'

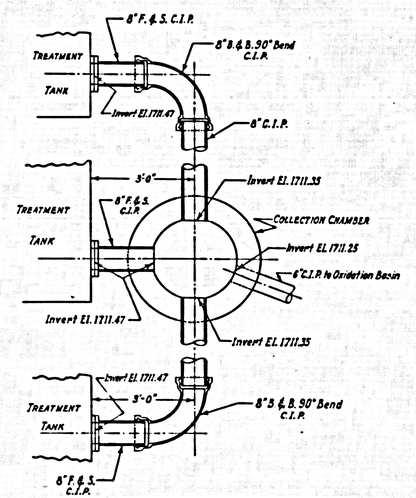


RESERVOIR OUTLET STRUCTURE

SCALE: ½"=1'-0"

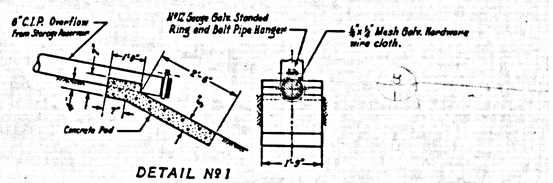
PIPING DETAIL

SCALE: ½"=1'-0"



DETAIL TREATMENT TANK OUTLET

SCALE: ½"=1'-0"



DETAIL No 1

SCALE: ½"=1'-0"

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

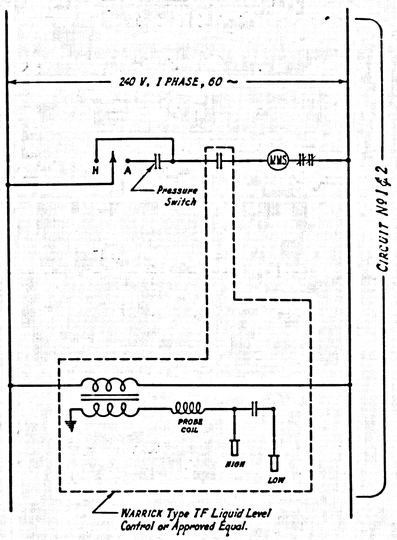
FLOW DIAGRAM, OUTLET STRUCTURE & PIPING

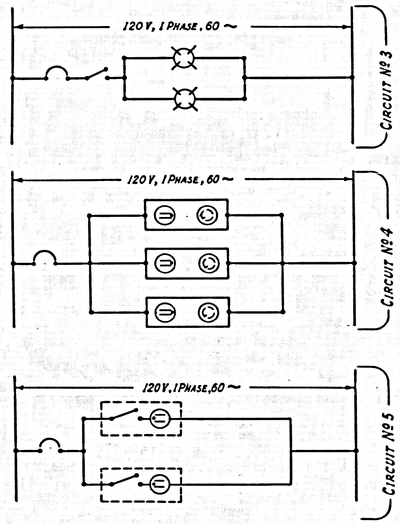
COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

DESIGNED: HIGGINSON SATERMO	TRACED: STANGER	CHECKED: SLAVIN	
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 7 OF 13 SHEETS	

P.C. 4942 - CAP. PROJ. 9605.82 - SANTA MONICA BOYS CAMP
SHEET 7 - FLOW DIAGRAM

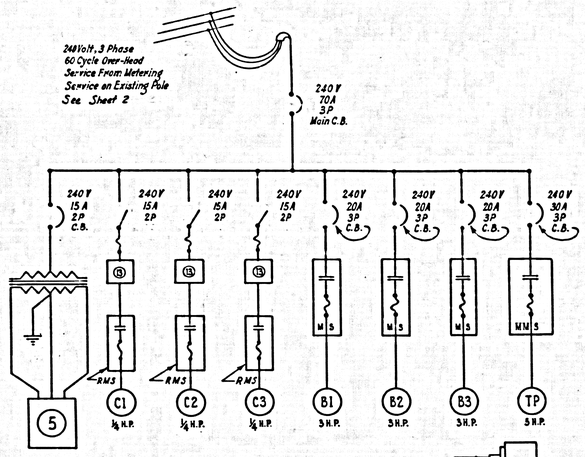
℄ TRIM LINE



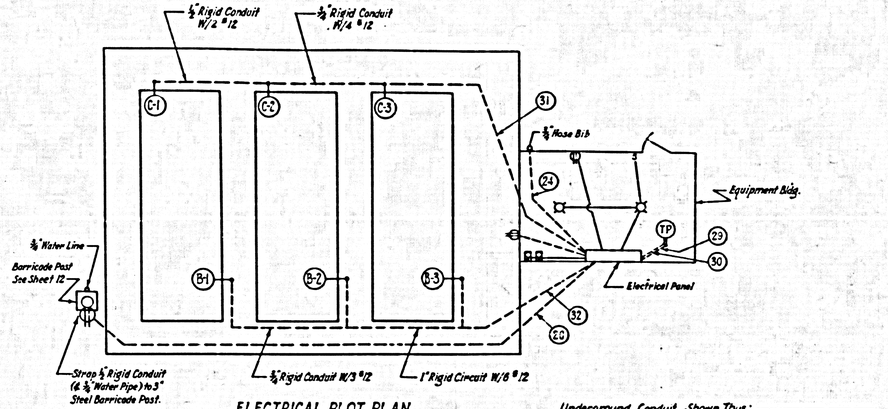


SCHEMATIC WIRING DIAGRAM
NO SCALE

CIR. NO	TO	AMP.
1&2	Turbine Pump Control Circuit	15 2 POLE
3	Light	15
4	Duplex Outlet	20
5	Hypochlorinator Outlet	15
6	Spare	15

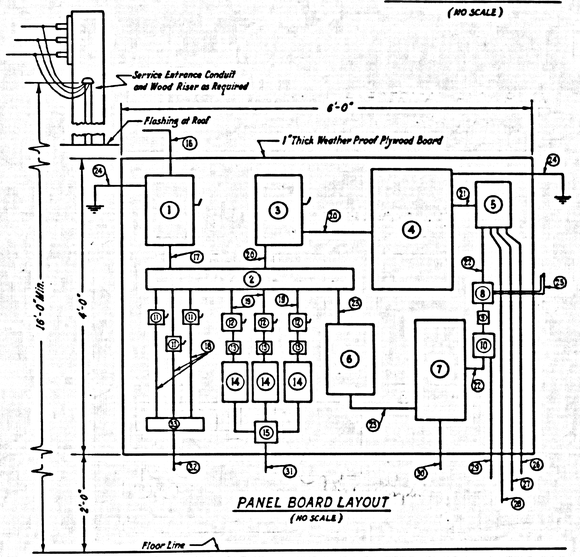


ONE LINE SERVICE DIAGRAM
NO SCALE



ELECTRICAL PLOT PLAN
(NO SCALE)

Underground Conduit Shown Thus: ———————
Above ground Conduit Shown Thus: ———————



PANEL BOARD LAYOUT
(NO SCALE)

Panel Board Arrangement is Representative of a Layout for 3 Treatment Tanks (13,000 G.P.D. Capacity Each). Should Two Treatment Tanks be Used, the Panel Board Arrangement Shall be Modified to Accommodate Only the Number of Blower Circuits Required and the Number of Comminutor Circuits Needed. These Changes Would be Reflected in the One Line Service Diagram and the Electrical Plot Plan.

(B-1) = Blower Nº 1, 3 H.P.
(B-2) = Blower Nº 2, 3 H.P.
(B-3) = Blower Nº 3, 3 H.P.
(C-1) = Comminutor Nº 1, ¼ H.P.
(C-2) = Comminutor Nº 2, ¼ H.P.
(C-3) = Comminutor Nº 3, ¼ H.P.
(TP) = Turbine Pump, 5 H.P.
(MMS) = Magnetic Motor Starter = (7)
(MS) = Blower Motor Starter.
(RMS) = Reversing Motor Starter. = (14)

(1) = 70A. 240 V. 3 Pole Circuit Breaker.
(2) = Gutter.
(3) = 15A. 240 V. 2 Pole Circuit Breaker.
(4) = 3 KVA 240 - 120/240 Circuit Transformer.
(5) = 6 Branch Circuit Breaker Complete W/3-15A., 1-20A. S.P. & 1-15A 2P.
(6) = 30A 240 V. 3 Pole Circuit Breaker.
(7) = A.C. Magnetic Starter for 5 H.P. 3 ϕ Turbine Pump Motor.
(8) = Pressure Switch.
(9) = Hand-off-Automatic Switch.
(10) = Warrick Type "T F" Liquid Level Control.
(11) = 20A, 240 V. 3 Pole Circuit Breaker.
(12) = Comminutor Fused Disconnect Switch.
(13) = 15 Minute Timer (Furnished With Comminutor)
(14) = Comminutor Reversing Across-the-line Starter.
(15) = Junction Box.
(16) = 1¼" Rigid Conduit W/3 #4 Conductors From Overhead Service.
(17) = 1¼" Rigid Conduit W/3 #4 Conductors for Gutter.
(18) = ½" Rigid Conduit W/3 #12 Conductors for Blower Motors.
(19) = ½" Rigid Conduit W/2 #12 Conductors for Comminutor.
(20) = ½" Rigid Conduit W/2 #12 Conductors.

(21) = ¾" Rigid Conduit W/3 #10 Conductors.
(22) = ½" Rigid Conduit W/2 #12 Conductors.
(23) = ¾" Rigid Conduit W/3 #10 Conductors.
(24) = ½" Rigid Conduit W/1 #6 Conductor to Ground.
(25) = ¼" Pressure Line From Pneumatic Tank.
(26) = ½" Rigid Conduit W/2 #12 Conductors to Circuit #3
(27) = ½" Rigid Conduit W/2 #12 Conductors to Circuit #4
(28) = ½" Rigid Conduit W/2 #12 Conductors to Circuit #5
(29) = ½ Rigid Conduit W/2 #12 Conductors to Electrodes in Wet Well.
(30) = ¾" Rigid Conduit W/3 #10 Conductors to Turbine Pump Motor.
(31) = 1" Rigid Conduit W/6 #12 Conductors to Comminutors.
(32) = 1¼ Rigid Conduit W/9 #12 Conductors to Blower Motors.
(33) = Gutter.

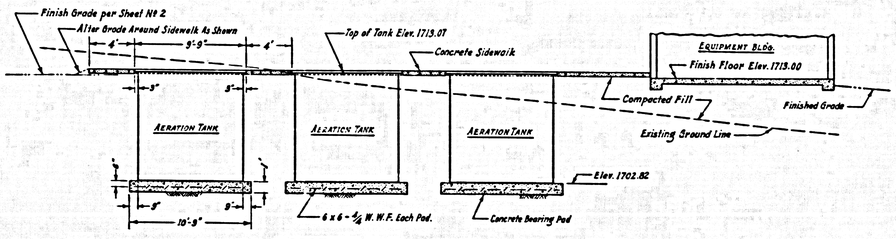
SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

ELECTRICAL LAYOUT

COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

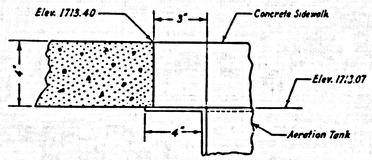
DESIGNED: YELINEK HIGGINSON	TRACED: STANGER	CHECKED: HIGGINSON YELINEK
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 8 OF 13 SHEETS

TRIM LINE
TRIM LINE
TRIM LINE



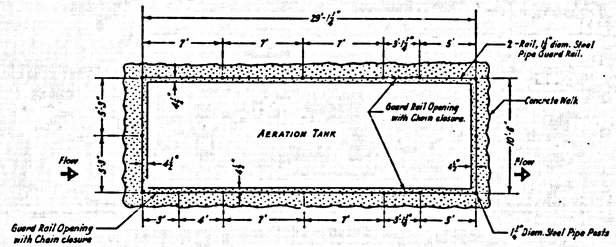
SECTION E-E

SCALE: 1"= 6'



SECTION A-A

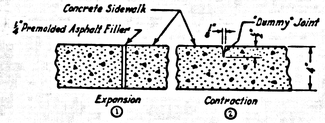
(No Scale)



PLAN OF GUARD RAIL

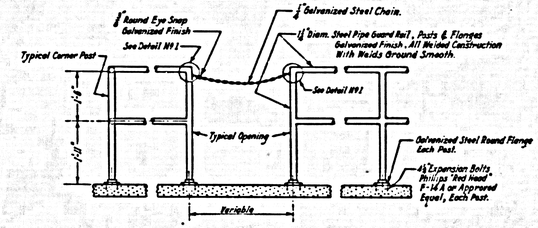
Scale: 1"= 6'

Note: Construct Guard Rail Around Each Tank; 3 Required. The Contractor May, At His Option, Use 1½ Threaded Pipe and Fittings For The Construction of The Guard Rails, and May Construct The Guard Rails on The Lips of The Treatment Tanks, Maintaining The Guard Rail Opening Dimensions.



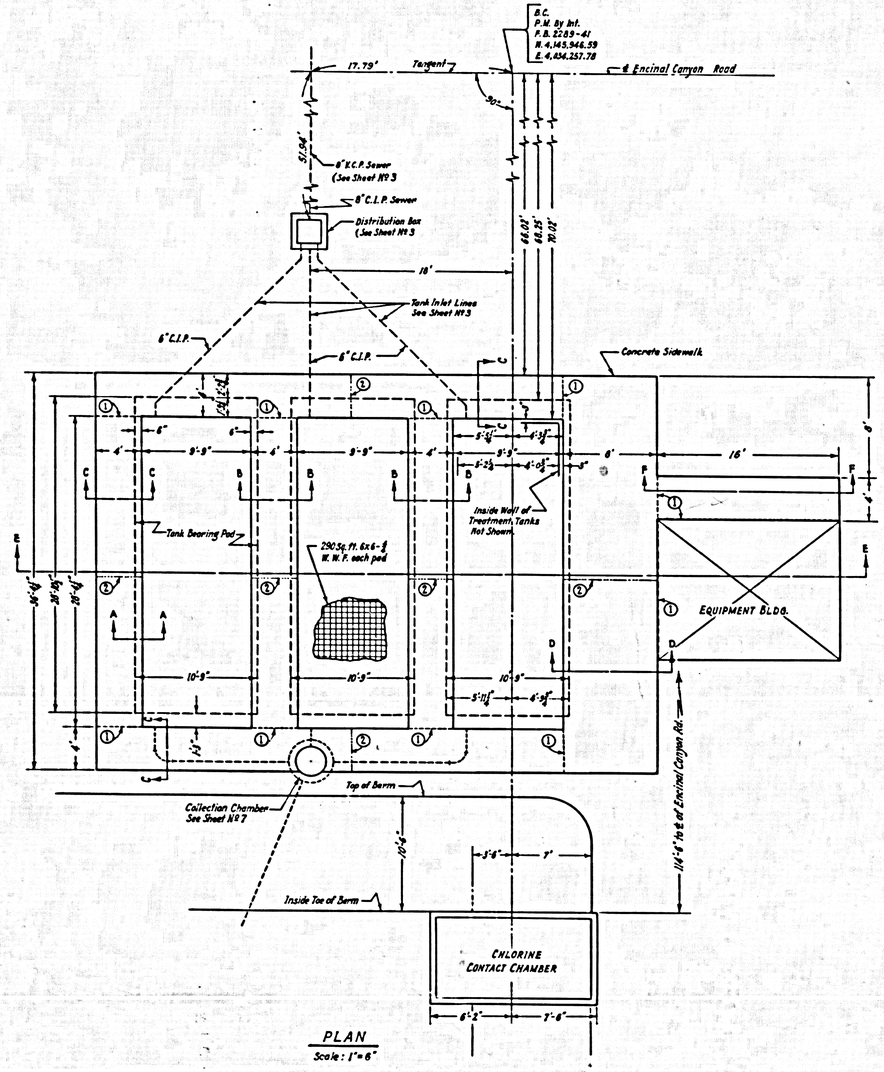
SIDEWALK JOINT DETAILS

(No Scale)



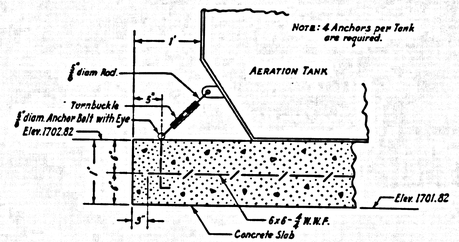
GUARD RAIL DETAILS

(No Scale)



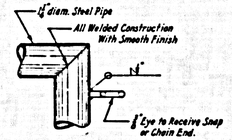
PLAN

Scale: 1"= 6'

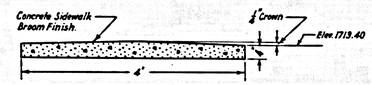


TYPICAL ANCHOR DETAIL

(No Scale)

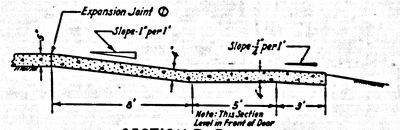


DETAIL Nº 1



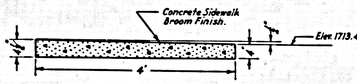
SECTION B-B

(No Scale)



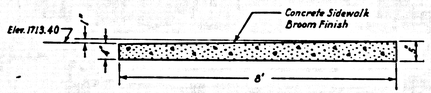
SECTION F-F

(No Scale)



SECTION C-C

(No Scale)



SECTION D-D

(No Scale)

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P. C. 4942 CAP. PROJ. 9605.82

SIDEWALKS, TANK PADS & GUARD RAILS

COUNTY OF LOS ANGELES, CALIFORNIA

JOHN A. LAMBIE COUNTY ENGINEER

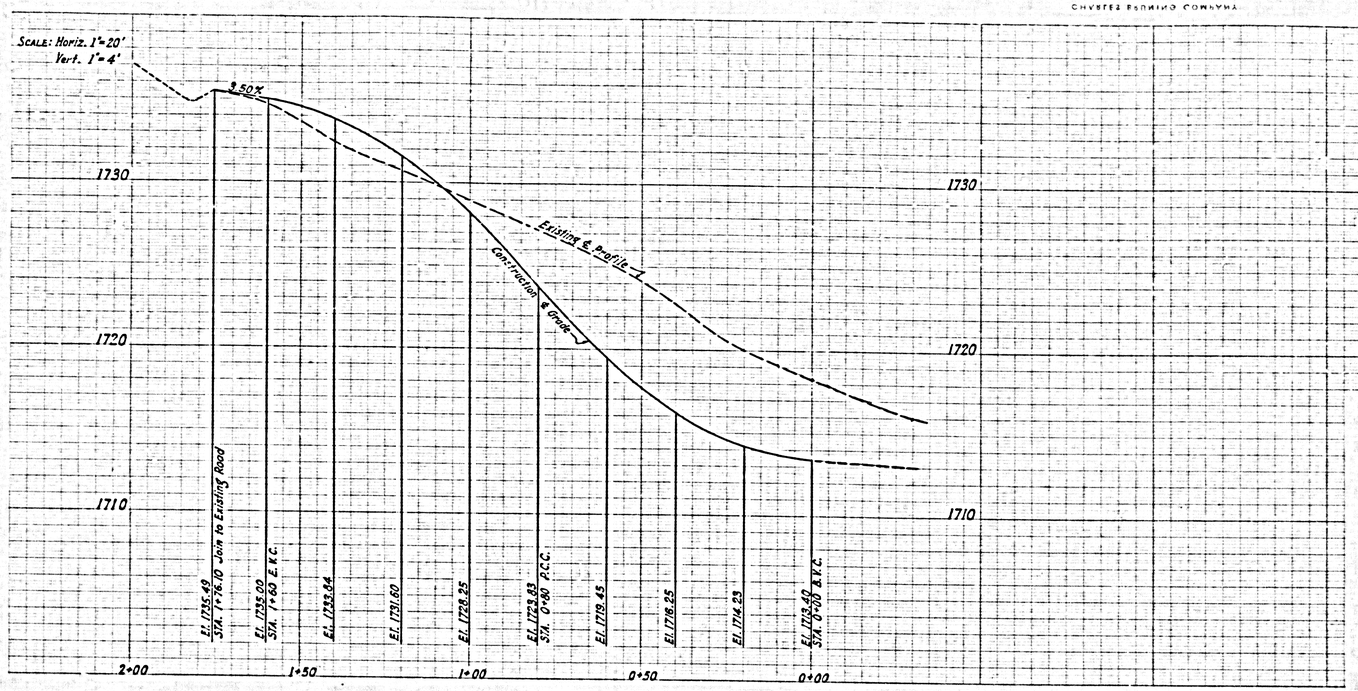
DESIGNED: HIGGINSON	TRACED: STANGER	CHECKED: SLAVIN
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 9 OF 13 SHEETS

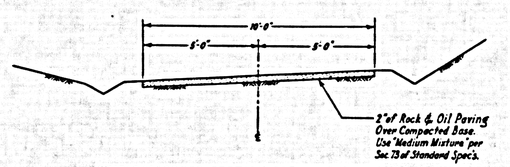
TRIM LINE

P.C. 4942 - CAP. PROJ. 9605.82 - SANTA MONICA BOYS CAMP
SHEET 9 - SIDEWALKS & TANK PADS

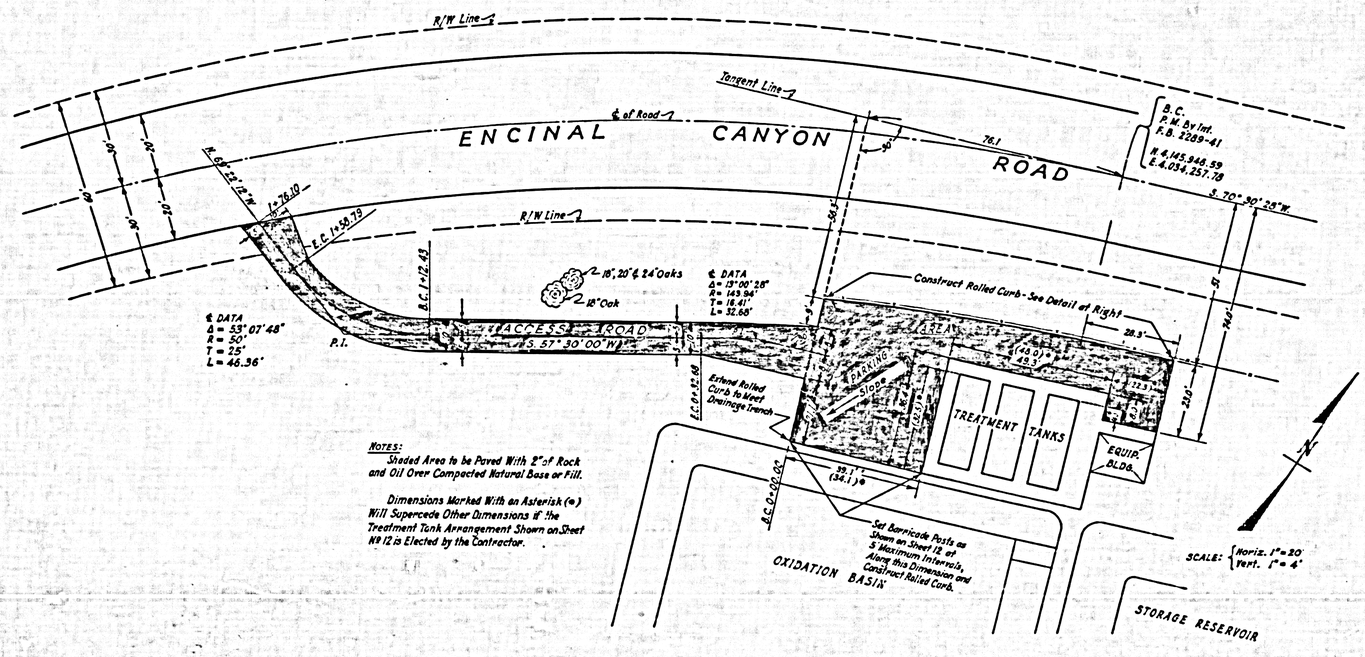
TRIM LINE

TRIM LINE



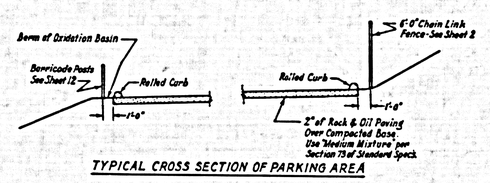


TYPICAL CROSS SECTION OF ACCESS ROAD

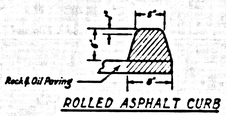


NOTES:
Shaded Area to be Paved With 2" of Rock and Oil Over Compacted Natural Base or Fill.

Dimensions Marked With an Asterisk (*) Will Supercede Other Dimensions if the Treatment Tank Arrangement Shown on Sheet No 12 is Elected by the Contractor.



TYPICAL CROSS SECTION OF PARKING AREA



ROLLED ASPHALT CURB

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

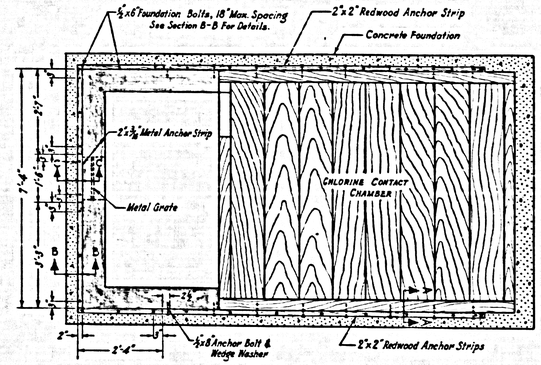
ACCESS ROAD AND PARKING AREA

COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

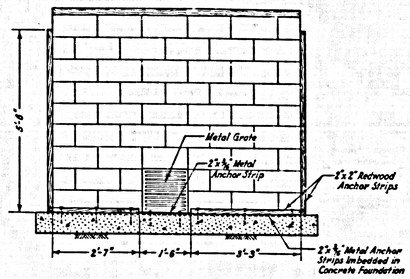
DESIGNED: SATERMO	TRACED: STANGER	CHECKED: HIGGINSON
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 10 OF 13 SHEETS

P.C. 4942 - CAP. PROJ. 9605.82 - SANTA MONICA BOYS CAMP
SHEET 10 - ACCESS ROAD & PARKING AREA

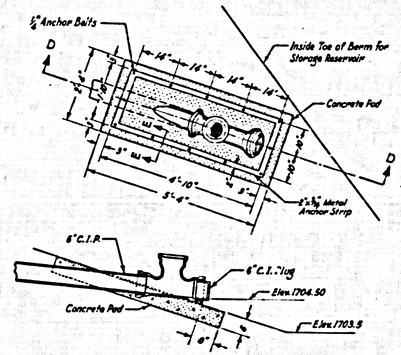
TRIM LINE



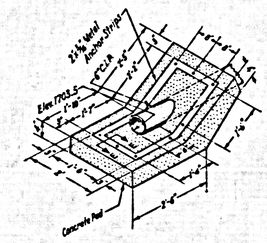
CONTACT CHAMBER
PLAN VIEW
Scale: 1"=2'



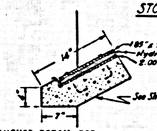
CONTACT CHAMBER
END VIEW
Scale: 1"=2'



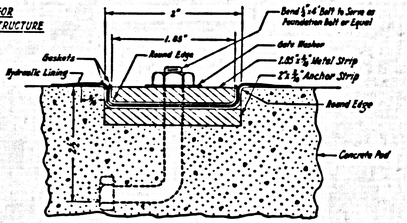
SECTION D-D
INLET TO STORAGE RESERVOIR
(No Scale)



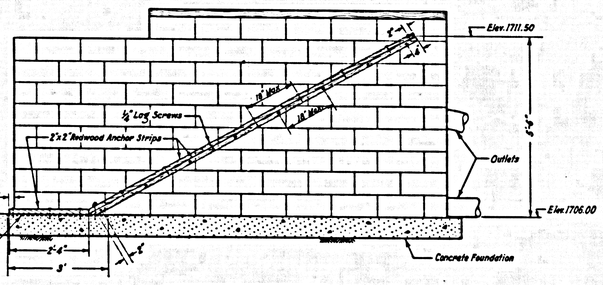
STORAGE RESERVOIR OUTLET
(NO SCALE)



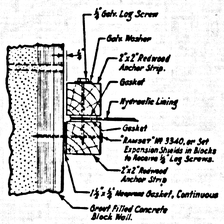
ANCHOR DETAIL FOR RESERVOIR OUTLET STRUCTURE
(NO SCALE)



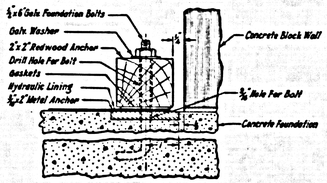
SECTION E-E
(NO SCALE)



CONTACT CHAMBER
SIDE VIEW
Scale: 1"=2'



SECTION A-A
(NO SCALE)



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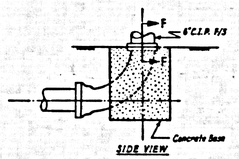
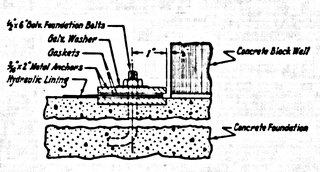
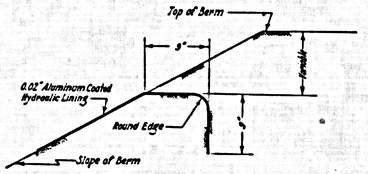


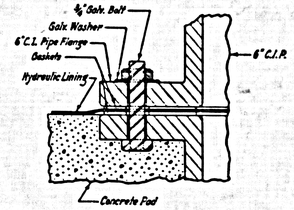
INLET TO OXIDATION BASIN
AND
OUTLET FROM STORAGE RESERVOIR TO WET WELL



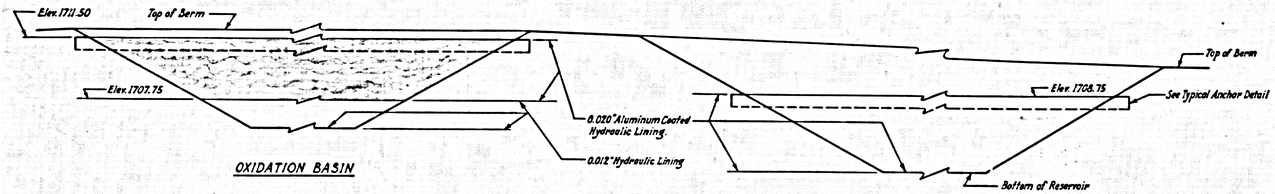
SECTION C-C
(NO SCALE)



TYPICAL ANCHOR DETAIL FOR HYDRAULIC LINING
(NO SCALE)



SECTION F-F
(NO SCALE)



OXIDATION BASIN

STORAGE RESERVOIR

TYPICAL CROSS-SECTION
(No Scale)

Note: See Specifications For Hydraulic Lining. Unless Otherwise Noted, Gaskets are to be of the Same Material as the Hydraulic Lining and are Continuous Between Anchor Strips.
All Metals Other Than Cast Iron Are to be Galvanized.

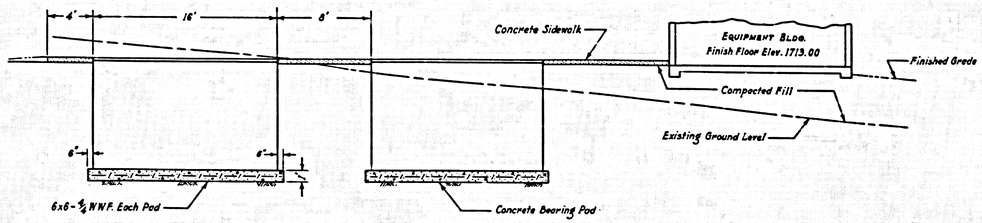
SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

ANCHOR DETAILS FOR HYDRAULIC LINING

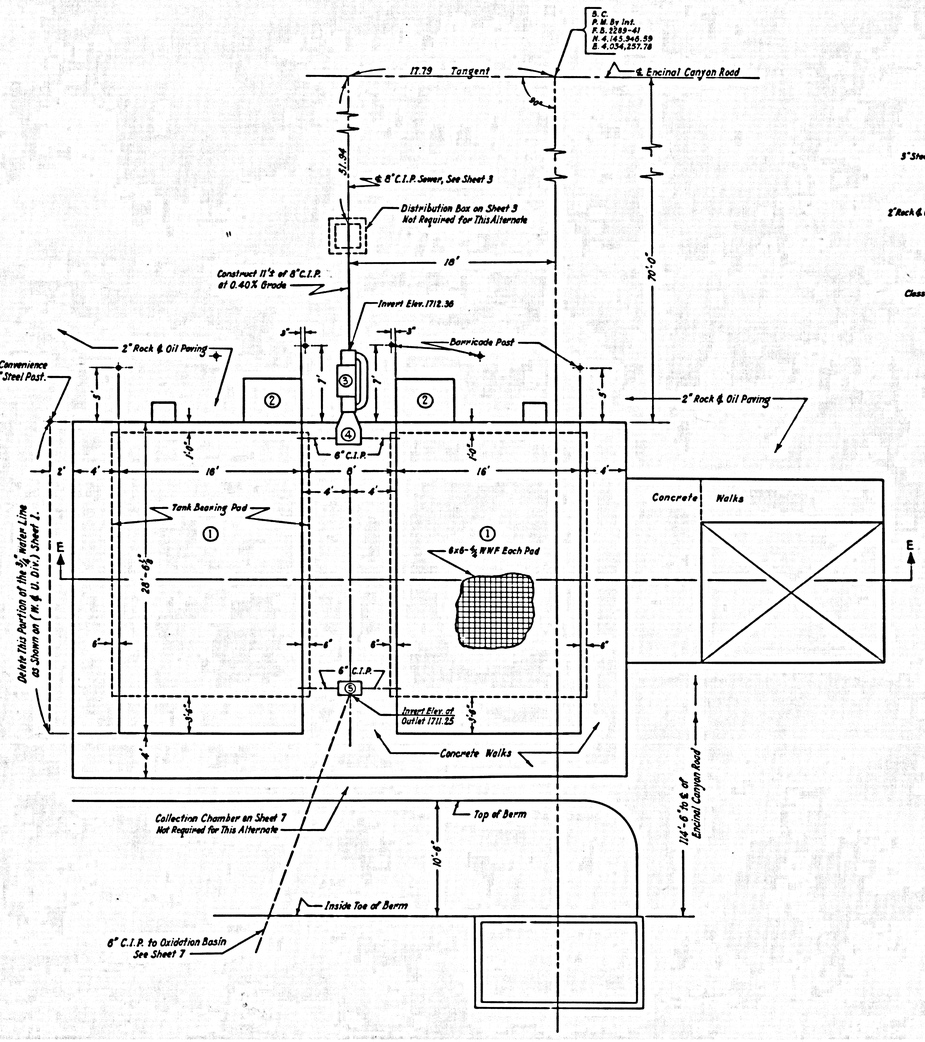
COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

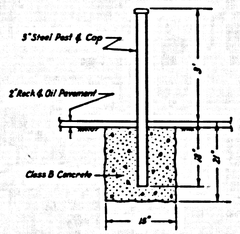
DESIGNED: HIGGINSON	TRACED: STANGER		CHECKED: SLAVIN
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO. 11 OF 13 SHEETS	

P.C. 4942



SECTION E-E





DETAIL OF BARRICADE POST

NOTE:

This Sheet Represents a Suggested Layout For Use With 2-19,000 G.P.D. Prefabricated Aeration Type Treatment Plants Having "Side-on" Inlets and Outlets.

Tank Anchor Details, Slopes and Joint Details For Concrete Walks, as Shown on Sheet 9, Shall be Maintained.

Guard Rails as Shown on Sheet 9, Shall be Constructed Around Each Tank.

Modify Panel Circuits and Conduit Arrangement Shown on Sheet 8 to Accommodate This Arrangement.

Only 2-3 H.P. Blower Circuits Required for This Alternate.

Only 1-½ H.P. Communitor Circuit Required for This Alternate.

Inlet Invert Elevation to This Plant and Outlet Invert Elevation From This Plant as Shown Hereon Shall be Maintained.

LEGEND

① 19,000 G.P.D. Prefabricated Aeration Type Treatment Plant. (2 Units)
② Blowers (2 Units)
③ 7" Comminutor in Steel Chamber With 8" Bypass Line, on 8" Thick Concrete Pad Which Extends 6" in Each Direction Beyond Vertical Projection of Steel Chamber.
④ Prefabricated Adjustable Flow Division Box.
⑤ Prefabricated Standard Junction Box. Set Items ④ & ⑤ on 6" Thick Concrete Pad Which Extends 6" in Each Direction Beyond Vertical Projection of Each Box.

SANTA MONICA BOYS CAMP
SEWAGE TREATMENT PLANT
P.C. 4942 CAP. PROJ. 9605.82

A TWO TANK ALTERNATE

COUNTY OF LOS ANGELES CALIFORNIA
JOHN A. LAMBIE COUNTY ENGINEER

DESIGNED: YELINEK	TRACED: STANGER	CHECKED: SLAVIN	
SCALE: AS SHOWN	DATE: OCT., 1961	SHEET NO 12 OF 13 SHEETS	

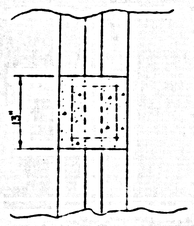
℄ TRIM LINE

P.C. 4942 - CAP. PROJ. 9605.82 - SANTA MONICA BOYS CAMP
SHEET 12 - A TWO TANK ALTERNATE

℄ TRIM LINE

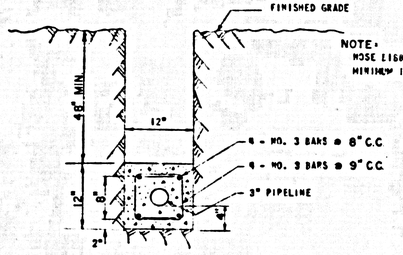
℄ TRIM LINE

ENCINAL CANYON ROAD

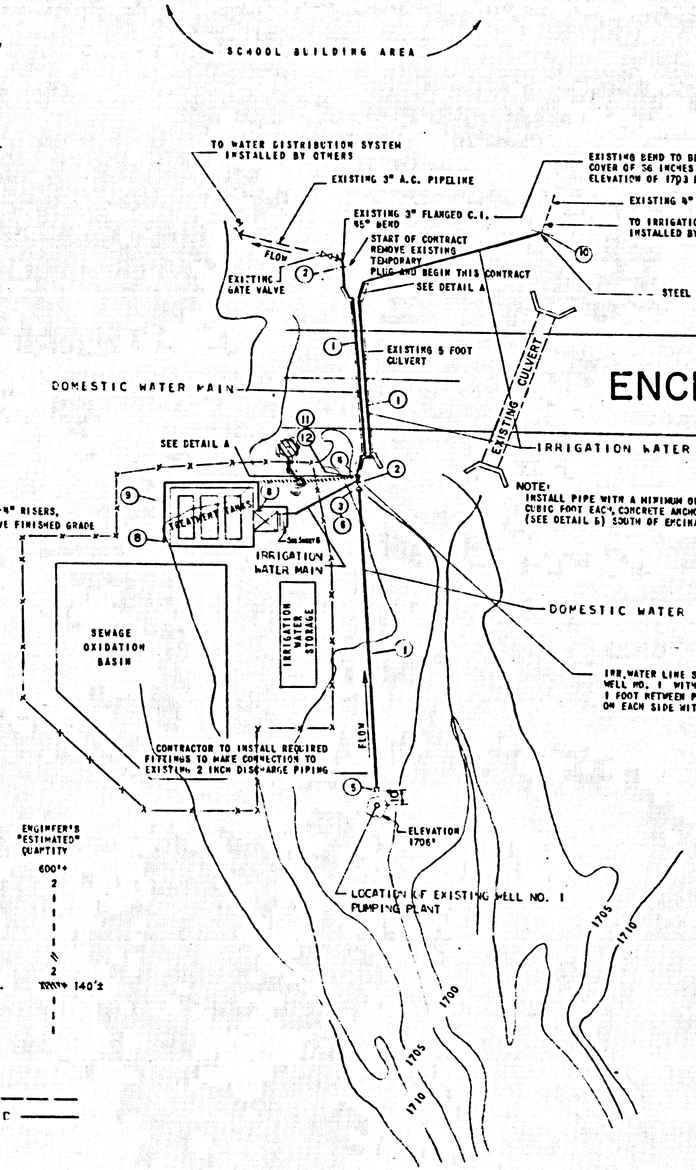


PLAN

SCALE: 1"=40'



DETAIL B - ELEVATION
1" SCALE



LIST OF MATERIALS

ITEM NO.	DESCRIPTION	ENGINEER'S "ESTIMATED" QUANTITY
1	3" WELDED STEEL PIPE, DIPPED & WRAPPED	600'±
2	3" SLIP-ON WELDING FLANGE	2
3	3" CHECK VALVE, FLANGED	1
4	3"-45° L.END, CAST IRON, FLANGED	1
5	2" TO 3" REDUCING COUPLING, SCREWED	1
6	CONCRETE BOX	1
7	\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1
8	3/4" HOSE BIBB	2
9	3/4" WATER PIPE, SCHEDULE 40, GALV.	140'±
10	3" STEEL TO 4" A.C. REDUCING ADAPTER	1
11	3/4" COCK VALVE	1
12	3/4" WELDING COUPLING	1

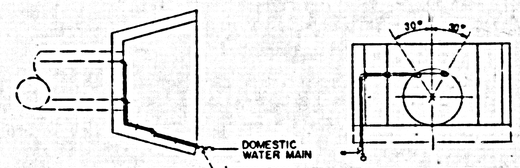
LEGEND

EXISTING PIPELINE ————

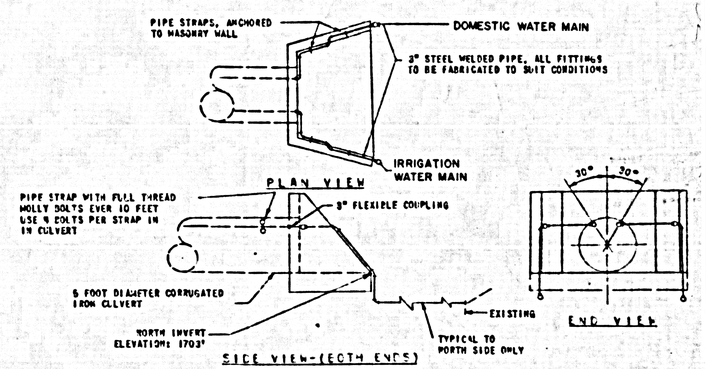
PIPELINE TO BE INSTALLED ————

A.C. - ASBESTOS CEMENT

C.I. - CAST IRON



DETAIL A - SOUTH END



SIDE VIEW-(BOTH ENDS)

DETAIL A - NORTH END

LOCATION OF PIPELINE THROUGH CULVERT
WELDED FITTINGS - FABRICATED TO SUIT CONDITIONS
ALL FITTINGS SHALL BE WRAPPED AND DIPPED

SCALE: 1" = 5'

NOTE:
Where word "existing" is used the intent is that the facilities will be either complete and ready for service or under construction at the time of this contract. These facilities are to be constructed by others at various times.

Revised November 8, 1961

COUNTY OF LOS ANGELES DEPARTMENT OF THE COUNTY ENGINEER

WATERWORKS AND UTILITIES DIVISION

JOHN A. LAMBIE, COUNTY ENGINEER

DATE March 2, 1961

DESIGN PREPARED L. BATES CHECKED E. PUTNAM

DRAWING PREPARED L. BATES CHECKED E. PUTNAM

APPROVED BY E. E. LUNT

SANTA MONICA JUNIOR AND SENIOR BOYS SCHOOL
DOMESTIC WATER MAIN
IN VICINITY OF SEWAGE TREATMENT PLANT

JOB NO 9705.03
SPEC. NO PC 4942
YEAR 1961
FILE NO.
SHEET NO. 13
OF 13 SHEETS