

LAKEHAVEN WATERAND SEWER DISTRICT

2026 REDONDO PRIMARY AND SECONDARY CLARIFIERS REHABILITATION

Bid Number: 26-1724

ADDENDUM NO. 3

TO ALL PLANHOLDERS:

The following items shall be incorporated into the Bidding/Contract Documents for the above described project and will supersede any provisions with which they may conflict. All other provisions not modified by this addendum shall remain in full force and effect.

Issued: October 15, 2026

CHANGES TO GENERAL CONDITIONS

1. SECTION 60

A. Replace section 60 in its entirety with the following:

“60. CONTRACT DEADLINE. The Contractor shall, unless earlier terminated pursuant to Section 29 or Section 30, complete the project according to the attached Specifications on or before 1,035 calendar days from the Official Starting Date, but not later than September 30, 2029, as indicated in the Owner’s “Notice to Proceed” letter.”

CHANGES TO SPECIFICATIONS

2. SECTION 01 12 16

A. Subparagraph 1.01.A.1., add the following subparagraph:

“a. The primary clarifiers and secondary clarifiers may be taken offline, one tank at a time, for verification of dimensions during the Wet Season. The Contractor must coordinate with the Owner to find a 3-day period of time for the Owner to drain the clarifier, for the Contractor to verify dimensions, and for the Owner to bring the clarifier back online. The following conditions must be met for a clarifier to come offline during the Wet Season:

- 1) the plant is experiencing average wet weather flow, and
- 2) the forecast is not projecting significant rainfall for the 3-day period the clarifier will be offline.

Even if the above conditions are met, removing a clarifier from service is at the sole discretion of the District.”

B. Replace subparagraph 1.01.A.3. in its entirety with the following:

- “3. The clarifiers will be rehabilitated in the following order:
- a. Secondary Clarifier No. 2.
 - b. Primary Clarifier No. 2.
 - c. Secondary Clarifier No. 1.
 - d. Primary Clarifier No. 1.”

C. Subparagraph 1.01.A., add the following subparagraph:

- “6. When a clarifier has successfully completed the Operational Test Phase and is ready to enter the Commissioning Period, the next clarifier may be brought offline for demolition and installation of new equipment.”

D. Paragraph 1.08, delete subparagraph A.1. and revise to read as follows:

- “A. Primary and Secondary Clarifiers:
1. The odor control ductwork and supply air ductwork for the primary clarifiers may be isolated and taken offline for the given offline primary clarifier.
 2. The odor control and supply air ductwork for the secondary clarifiers may be taken offline only for the offline secondary clarifier only. Because the ductwork is shared across both clarifiers and because the two secondary clarifiers share a common roof and building, temporary partitioning between the clarifiers and temporary ductwork will be necessary to keep the odor control system online for Secondary Clarifier No. 1 when Secondary Clarifier No. 2 is offline.”

3. SECTION 01 29 00:

A. Replace subparagraph 3.05.A. in its entirety with the following:

- “A. Payment: Primary Clarifiers #1 and #2 – Structural (Bid Item No. 5) will be made at the lump sum price stated in the Bid Schedule. The lump sum price for Bid Item No. 5 shall include all necessary Work, equipment, materials, labor, and incidentals for furnishing and installing the new structural steel roof beam, reinstalling the roof panels removed under Bid Item No. 2, and furnishing and installing the new grout topping slab in both primary clarifiers. All Work required to complete all structural and directly associated Work except for demolition, mechanical, and electrical Work listed in Bid Item Nos. 2, 3, and 4, and crack injection, concrete, steel, cast-in-place anchors, epoxied or expansion anchors, or joint sealant repair Work described in Bid Item Nos. 10 through 21.”

B. Replace subparagraph 3.06.A. in its entirety with the following:

“A. Payment: Secondary Clarifiers #1 and #2 – Demolition (Bid Item No. 6) will be made at the lump sum price stated in the Bid Schedule. The lump sum price for Bid Item No. 6 shall include all costs associated with demolition and salvage of any and all structures, equipment, appurtenances, or other components of the Work that are not explicitly part of other Bid Items stated herein. The lump sum price shall include all necessary Work, equipment, materials, labor, and incidentals for the following demolition and salvage activities at Secondary Clarifiers #1 and # 2: removal and salvaging of fiberglass roofing panels, as needed, and demolition of foul air and fresh air ductwork for replacement after installation of in-tank components; demolition of existing effluent troughs and their associated wall supports including anchors; demolition of existing Secondary Clarifier rake arms, center columns, mechanisms, feed wells, drives and platforms; demolition of the existing scum boxes, scum baffles, scum skimmers and associated piping; demolition of the existing blades and adjustable squeegees; demolition of existing Secondary Clarifier walkways to the center columns; demolition of existing electrical elements; demolition of grout topping slabs on tank floors; and any other demolition or salvage activities required to complete the Work that are not explicitly listed in this Bid Item, except for crack injection, concrete, steel, cast-in-place anchors, epoxied or expansion anchors, or joint sealant repair Work described in Bid Item Nos. 10 through 21.”

C. Replace subparagraph 3.07.A. in its entirety with the following:

“A. Payment: Secondary Clarifiers #1 and #2 – Mechanical (Bid Item No. 7) will be made at the lump sum price stated in the Bid Schedule. The lump sum price for Bid Item No. 7 shall include all necessary Work, equipment, materials, labor, and incidentals for furnishing and installing the new square circular mechanisms, scum skimmers, scum boxes, feedwells, walkways to center columns, handrail, and associated stainless steel supports; furnishing and installing new FRP effluent troughs and associated stainless steel supports and anchors; and furnishing and installing new foul air and fresh air ductwork removed under Bid Item No. 6. All Work required to complete all mechanical and directly associated Work except for demolition, electrical, and structural Work listed in Bid Item Nos. 6, 8, and 9, and crack injection, concrete, steel, cast-in-place anchors, epoxied or expansion anchors, or joint sealant repair Work described in Bid Item Nos. 10 through 21.”

D. Replace subparagraph 3.09.A. in its entirety with the following:

“A. Payment: Secondary Clarifiers #1 and #2 – Structural (Bid Item No. 9) will be made at the lump sum price stated in the Bid Schedule. The lump sum price for Bid Item No. 9 shall include all necessary Work, equipment, materials, labor, and incidentals for reinstalling the roof panels removed under Bid Item No. 6 and furnishing and installing the new grout topping slab in both secondary clarifiers. All Work required to complete all structural and directly associated Work except for demolition,

mechanical, and electrical Work listed in Bid Item Nos. 6, 7, and 8, and crack injection, concrete, steel, cast-in-place anchors, epoxied or expansion anchors, or joint sealant repair Work described in Bid Item Nos. 10 through 21.”

E. Replace subparagraph 3.16.B. in its entirety with the following:

“B. Measurement: Bid Item No. 16 shall be paid for as the number of square feet of steel repaired to the limits of new steel cover plate and repaired per Detail 2 on Drawings S-04. Progress payments will be made in accordance with the submitted and approved Schedule of Values. For the purpose of determining the bid amount for Bid Item No. 16, the quantity shall be assumed to be ten (10) square feet. All welding preparation, preheat and welding, and non-destructive testing shall be incidental to Bid Item No. 16. For the purpose of determining the payment for Bid Item No. 16, the quantity shall be the actual quantity of Work to the nearest 0.1 square feet, repaired per Detail 2 on Drawings S-04.

1. The District does not warrant that any of the repairs per Detail 2 on Drawing S-04 will be identified during the inspection.
2. The District does not warrant that the actual quantity of Work, completed under Bid Item No. 16, will be the same as, more than, or less than the assumed quantity used as the basis of the bid.”

F. Replace subparagraph 3.17.B. in its entirety with the following:

“B. Measurement: Bid-Item No. 17 shall be paid for as the number of square feet of steel repaired to the limits of the new steel plate and per Detail 3 on Drawing S-04. Progress payments will be made in accordance with the submitted and approved Schedule of Values. For the purpose of determining the bid amount for Bid Item No. 17, the quantity shall be assumed to be ten (10) square feet. All welding preparation, preheat and welding, and non-destructive testing shall be incidental to Bid Item No. 17. For the purpose of determining the payment for Bid Item No. 17, the quantity shall be the actual quantity of Work to the nearest 0.1 square feet, repaired per Detail 3 on Drawing S-04.

1. The District does not warrant that any repairs per Detail 3 on Drawing S-04 will be identified during the inspection.
2. The District does not warrant that the actual quantity of Work, completed under Bid Item No. 17, will be the same as, more than, or less than the assumed quantity used as the basis of the bid.”

G. Replace subparagraph 3.18.B. in its entirety with the following:

“B. Measurement: Bid Item No. 18 shall be paid for by the pounds of steel placed to the limits of the new steel section (rod, wide flange section, tube section, channel or similar) and repaired per Detail 4 on Drawing S-04. Progress payments will be made in accordance with the submitted and approved Schedule of Values. For the

purpose of determining the bid amount for Bid Item No. 18, the quantity shall be assumed to be 100 pounds finished cut weight. All welding preparation, preheat and welding, and non-destructive testing shall be incidental to Bid Item No. 18. For the purpose of determining the payment for Bid Item No. 18, the quantity shall be the actual quantity of Work to the nearest 0.1 pounds, repaired per Detail 4 on Drawing S-04.

1. The District does not warrant that any repairs per Detail 4 on Drawing S--04 will be identified during the inspection.
2. The District does not warrant that the actual quantity of Work, completed under Bid Item No. 18, will be the same as, more than, or less than the assumed quantity used as the basis of the bid."

4. SECTION 01 73 23

A. Replace subparagraph 1.01.A.2. in its entirety with the following:

"2. This section applies to non-structural components that are permanently attached to structures and non-building structures as defined below in paragraph 1.01-B and ASCE 7-16. Note that equipment is defined as a non-structural component and tanks are defined as a non-building structure."

B. Replace subparagraphs 1.04.A.1., 2., and 3. with the following:

"A. The following standard codes have application at this site for:

1. Buildings/Structures: International Building Code 2021 and ASCE 7-16.
2. Reinforced Concrete: ACI 350-06 for Concrete Liquid Containing Tanks, ACI 318-19 for all other reinforced concrete structures.
3. Structural Steel: AISC 360-20 and AISC 341-16.

C. Replace subparagraphs 1.05.E., F., and G. with the following:

"E. SNOW LOADS:

1. Code: IBC 2021 and ASCE 7-16.
2. Ground Snow Load (pg): Eighteen (18) psf.
3. Exposure: D Partially Exposed.
4. Importance Factor (Is): 1.1.
5. Minimum Roof Snow Load: 25 psf.

F. Protect, modify, and/or relocate all existing utilities required to complete the work.

1. Code: IBC 2021 and ASCE 7-16.

2. Basic Wind Speed (three (3)-second gust): 104 mph.
3. Exposure: B.
4. Topographic Factor (Kzt): 1.0.
5. Importance Factor (Ip): 1.0 (Wastewater Treatment Facilities are Occupancy Category III).
6. All exterior non-structural components and non-building structures, unless located in a pit or basin, shall be designed to withstand the design wind loads without consideration of shielding effects by other structures. Temporary walls in the Secondary Clarifiers shall be designed for a 50 mph wind speed.

G. SEISMIC LOADS:

1. Code: IBC 2021 and ASCE 7-16.
2. 0.2 Sec. Mapped Spectral Response, SS: 1.35 g.
3. 1.0 Sec. Mapped Spectral Response, S1: 0.464 g.
4. Site Class: D-Default.
5. 0.2 Sec. Design Spectral Response, SDS: 1.08 g.
6. 1.0 Sec. Design Spectral Response, SD1: N/A g.
7. Importance Factor (Ie): 1.25 (Wastewater Treatment Facilities are Occupancy Category III), except 1.5 for buildings with quantities of highly toxic material that exceed the limits shown in IBC Table 307.1.
8. Component Importance Factor (Ip): 1.0, except Ip=1.5 for fire protection sprinkler systems, components required to function for life-safety purposes after an earthquake, components containing hazardous materials, or components inside or attached to an Occupancy Category IV Structure.
9. Seismic Design Category: D.
10. Seismic loads shall be calculated on the basis of the governing building code. The structure dead load shall include equipment operating loads. Sloshing loads shall include sloshing loads acting on submerged structures, piping or equipment.
11. Individual members shall be checked for dead, seismic and full member live load acting simultaneously, except that flooded equipment loads (infrequent occurrence) need not be combined with seismic loads. Equipment operating loads shall be combined with seismic loads."

5. SECTION 01 75 00

A. Replace subparagraph 3.03.F.1.i. in its entirety with the following:

“i. The facility shall perform through its complete design range for a period of ten (10) consecutive uninterrupted 24-hour days. If, during the Operational Test Phase, the aggregate amount of time used for repair, alteration, or unscheduled adjustments to any equipment or systems that renders the affected equipment or system inoperative exceeds ten (10) hours, the demonstration of functional integrity will be deemed to have failed and the Operational Test Phase must be restarted.”

6. SECTION 02 41 00

A. Add the following subparagraphs to 3.02.B.4.:

- “a. Provide vertical support scaffolding for the existing fiberglass roof panels, at midspan of all arched roof panels, during roof panel removal and during reinstallation. The supports shall prevent any displacement of the roof panels while the arches are being disassembled and removed for storage and again during reinstallation. Based on previous panel removals at the Biotowers, the fiberglass roof panels are believed to weigh 5 psf (acting on the horizontal projection of the roof) resulting in an estimated weight of 1,400 lbs. per panel at the Secondary Clarifiers and 1,200 lbs. per panel at the Primary Clarifiers.
- b. The condition and adequacy of the existing integral lifting points on the fiberglass roof panels are unknown. Supplemental rigging such as spreader bars and fiberglass slings shall be provided as needed to safely lift the roof panels.”

B. Add the following subparagraphs as 3.02.B.6.:

- “6. Protect the existing fiberglass dome roof from damage and support to prevent deformation when removed for the clarifier mechanism replacements. Any damage shall be reported along with a repair plan that restores the integrity and protective corrosion layer of resin of the fiberglass structure.
 - a. Roof panels shall not be stacked during storage.
 - b. Roof panels shall be supported in a manner that maintains the existing shape of the arched panels during storage.”

7. SECTION 03 62 00

A. Replace Paragraph 1.02 A. in its entirety with the following:

“A. Action Submittals:

- 1. Product data of grouts.

2. Proposed method for keeping existing concrete surfaces saturated surface dry prior to placing nonshrink grout.
3. Proposed method for achieving the ICRI Surface Profile recommended by the grout manufacturer.
4. Forming method for fluid grout placements.
5. Placing and finishing method for clarifier topping slabs.
6. Curing method for grout."

B. Replace Paragraph 2.01 A. in its entirety with the following:

"A. Furnish nonshrink grout (Category II and III) and epoxy grout for applications as indicated in the following schedule:

Application	Temperature Range	Max. Placing Time	
	40 deg F to 100 deg F	20 Min.	Greater Than 20 Min.
Machine rotating assembly bases	Epoxy Grout	Epoxy Grout	Epoxy Grout
Baseplates and/or soleplates with vibration, thermal movement, etc.	Epoxy Grout	Epoxy Grout	Epoxy Grout
Grouting repaired concrete anchors per Detail 2/ S-05	II	II	II
Clarifier Topping Slabs	III	III	III

C. Replace subparagraph 2.02 A.8.a. in its entirety with the following:

"a. SIKA Chemical; SikaGrout 928."

D. Add subparagraph 2.02 B. as follows:

"B. Category III:

1. Non-metallic recommended for use as a topping slab by the grout manufacturer.
2. Prepackaged aggregate grout requiring only the addition of water.
3. Aggregate shall show no segregation or settlement at fluid consistency at specified times or temperatures.

4. Minimum compressive strength of grout, 2,500 psi at 1-day, 5,000 psi at 7-days, and 7,000 psi at 28-days.
5. Maintain fluid consistency when mixed in 1-yard to 9-yard loads in ready-mix truck.
6. Manufacturers and Products:
 - a. Five Star Grout, Clarifier Resurfacer.
 - b. Approved equal as recommended by the rake arm manufacturer.”

E. Replace subparagraph 2.03 P.1 in its entirety with the following:

“1. Sika USA; SikaFlowMasterFlow 648.”

F. Replace Paragraph 3.01 in its entirety with the following:

“3.01 GENERAL

- A. Unless otherwise specified, prepare and condition concrete substrate in accordance with grout manufacturer’s placement instructions.
 1. Prepare underlying concrete surface to achieve the grout manufacturer’s recommendation for the ICRI Surface Roughness using the methods recommended by the grout manufacturer.
- B. Mix, place, and cure grout in accordance with grout manufacturer’s placement instructions.
- C. Epoxy Grout: Concrete shall be fully cured for 28 days to ensure excess water has evaporated. Test concrete for moisture in accordance with ASTM D4263 before epoxy grout is placed.

G. Replace Paragraph 3.02 header with the following:

“3.02 GROUTING MACHINERY AND ROTATION ASSEMBLY BASES”

H. Delete section 3.03 in its entirety:

8. SECTION 44 42 24.01

A. Add the following subparagraph to Paragraph 1.03 B.:

- “3. All secondary clarifier drive motors and associated electrical components and instruments shall be rated for operation in an unclassified environment as per Article 500 of the National Electric Code.”

B. Replace subparagraph 2.05 G. in its entirety with the following:

“G. Center Drive Mechanism:

Provide a center drive mechanism that meets either Type A or Type B as detailed below:

1. Type A Mechanism:

- a. General: The center clarifier drive mechanism shall consist of an electrical motor, primary reducer, intermediate gear reducer, and a main gear set consisting of a spur pinion and internal tooth spur gear.
- b. Motor: The clarifier drive shall be driven by an electric motor. The motor shall be UL rated for the operation environment as specified in the Paragraph Regulatory Requirements. The motor shall be rated for 460V, 60 Hz, three-phase operation.
- c. Reducer: A primary hydraulic reducer shall transmit torque to the intermediate reducer and provide overload protection. The hydraulic system shall be self-contained and fully enclosed in a Type 304 stainless steel enclosure. The enclosure shall also function as the fluid reservoir and shall provide a minimum 8-gallon capacity.
 - i. The hydraulic system shall include: A hydraulic motor, a hydraulic pump, an aluminum manifold assembly, a flow directional valve, a pressure relief valve, an oil filter assembly, an oil filter replacement indication gage, and a six (6) inch diameter glycerin filled gauge.
- d. Intermediate Reducer: The intermediate reducer shall be a planetary type, providing no less than 90 percent gear efficiency. All lubrication of the planetary gearing shall be oil. Grease lubrication is not permitted. The planetary reducer shall be designed for a 200,000 hours service life at the rpm and torque specified in Article Design Conditions. The output shaft of the intermediate reducer shall be keyed to a heat treated spur pinion.
- e. Final Reducer: The main gear shall include an internal tooth spur gear and spur pinion. The main gear material shall be ASTM A536 Ductile iron, 80,000 psi minimum tensile strength. The pinion shall be constructed from AISI 4150 steel, hardened to a minimum 340 Bhn.
- f. Turntable Base: Cast Iron, ASTM A48 Class 40 minimum 40,000 psi tensile strength; able to be bolted to center column and to provide support for internal spur gear, the entire rotating collector mechanism, and one end of the walkway to the center column.

- g. Main Bearing: The main bearing shall consist of a full complement of hardened steel chrome ball bearings, 1-inch minimum, each riding on four (4) replaceable hardened steel strip liners. Each liner shall be 3/8-inch by 3/8-inch square, heat treated to a minimum 48-50 Rc. The bearing liners shall be independently replaceable without the need to remove the clarifier drive or walkway to center column. The main bearing diameter shall be as identified in these Specifications.
 - h. Torque Overload Protection: The clarifier drive shall include a hydraulic torque overload protection system. Mechanical overload devices are not permitted due to their inherent inaccuracy. Two (2) overload switches shall be provided, one for "alarm" set at 100 percent of the continuous torque identified in Article Design Conditions and one for "motor cut-off" set at 130 percent of the continuous torque identified in Article Design Conditions. Additionally, a pressure relief valve shall be provided, set at 150 percent of the continuous torque identified in Article Design Conditions. All switches shall be current rated for 120V AC. Each switch shall be NEMA rated for the specified environment identified in Article Design Conditions. The torque indication gage shall be six (6) inches in diameter, glycerin filled with a scale that displays actual operating torque (ft-lbs or N-m).
2. Type B Mechanism:
- a. General: The center clarifier drive mechanism shall consist of solid internal main spur gear, bearing turntable, pinion, secondary speed reducer, support base, and drive unit bearing. The drive shall be mounted on the center column and support the entire rotating load of the mechanism. The main internal gear shall be forged of alloy hardened steel. The pinion shall be heat-treated alloy steel. Support base for the drive shall be of welded steel to assure rigidity. Dust shields shall be provided. The drive bearing shall include a forged steel precision gear/bearing set, with fully contoured raceways hardened to a minimum 58-62 Rc and protected by a neoprene seal. The drive shall be designed so that the balls and nylon spacers can be replaced without removing the access walkway. The main gear to pinion gear mesh shall be oil lubricated. An oil sight glass, fill pipe, and drain shall be provided for the reservoir. Lubrication fittings shall be readily accessible.
 - b. Motor: The motor shall be a squirrel cage, induction type, TEFC, ball bearing heavy duty unit of ample power for starting and operating the mechanism without overload, with a minimum service factor of 1.15. The

motor shall be UL rated for the operation environment as specified in the Paragraph Regulatory Requirements.

- i. Power supply to the equipment shall be 240/480 volt, 60 hertz, 3 phase.
- c. Reducer: The speed reducing unit shall consist of cycloidal, helical, or planetary speed reducers directly connected to a motor without the use of chains or v belts, and shall be keyed to the pinion.
 - i. The main ring gear of cycloidal drives shall be made of high carbon chromium bearing steel and be fixed to the drive casing. An eccentric bearing on the high speed shaft shall roll cycloidal discs of the same material around the internal circumference of this main ring gear. The lobes of the cycloid disc shall engage successively with pins in the fixed ring gear. The movement of the cycloid discs shall be transmitted then by pins to the low speed shaft. Speed reducer efficiency shall be a minimum of 90 percent per reduction stage.
 - ii. Speed reducer helical or planetary gearing shall be manufactured to AGMA standards and shall provide at least 95 percent power transmission efficiency per stage. The speed reducer shall have a minimum service factor of 1.25 based on the output torque rating of the drive.
 - iii. The reducers shall be fitted with radial and thrust bearings of proper size for all mechanism loads and be grease lubricated. As a safety feature, the speed reducer shall be back drivable to release any stored energy as the result of an over torque condition.
- d. Turntable: The turntable base shall have an annular bearing raceway upon which the rotating assembly rests. It shall have a maximum allowable deflection in accordance with the bearing specifications. The allowable modulus of elasticity shall be a minimum of 29×10^6 psi. The center cage shall be fastened to and supported from the gear casing. Ball bearings shall be of high carbon chrome alloy 52100 steel running in fully contoured races, as part of a precision gear/bearing set. The balls shall be grease lubricated and protected by elastomer seals. Felt seals that allow the entrance of moisture from outside the drive (i.e., rain water, condensate, etc.) will not be allowed.
- e. Torque Overload Protection: An overload device shall be provided in a stainless steel, weatherproof enclosure. The device shall be actuated by

torque generated from the main drive, which shall operate two (2) independently adjustable switches (the alarm switch at 100 percent of design running torque and the motor cutout switch at 120 percent of design running torque). Devices that require the worm to float and measure the thrust of the worm gear shall not be acceptable. These two (2) switches shall be factory adjusted to accurately calibrate the alarm torque value and the overload position. A visual torque indicator shall be provided and oriented so that it may be read from the walkway. It shall be calibrated from 0 to 160 percent of design running torque."

CHANGES TO DRAWINGS

9. SHEET D-02

A. Replace Sheet Keynote #2 with the following:

"2. PRIOR TO DEVELOPMENT OF SUBMITTALS FOR THE IN-TANK ELEMENTS, OWNER WILL DRAIN AND HOSE DOWN THE PRIMARY AND SECONDARY CLARIFIERS FOR CONTRACTOR TO VERIFY ALL DIMENSIONS NEEDED FOR SUBMITTAL DEVELOPMENT AND PROPER MANUFACTURING OF THE EQUIPMENT. REFER TO SECTION 01 12 16 PARAGRAPH 1.01.A AND SECTION 01 31 00 PARAGRAPH 1.06.E."

10. SHEET D-05

A. Replace Sheet Keynote #2 with the following:

"2. PRIOR TO DEVELOPMENT OF SUBMITTALS FOR THE IN-TANK ELEMENTS, OWNER WILL DRAIN AND HOSE DOWN THE PRIMARY AND SECONDARY CLARIFIERS FOR CONTRACTOR TO VERIFY ALL DIMENSIONS NEEDED FOR SUBMITTAL DEVELOPMENT AND PROPER MANUFACTURING OF THE EQUIPMENT. REFER TO SECTION 01 12 16 PARAGRAPH 1.01.A AND SECTION 01 31 00 PARAGRAPH 1.06.E."

11. SHEET S-01:

A. Replace GENERAL STRUCTURAL NOTE B.1.a with the following:

"a. BUILDING CODE: 2021 INTERNATIONAL BUILDING CODE WITH WASHINGTON STATE AND CITY OF DES MOINES AMENDMENTS AND BY REFERENCE ASCE 7-2016 'MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.'"

B. Replace GENERAL STRUCTURAL NOTE B.2.c. with the following:

"C. EARTHQUAKE DESIGN DATA

SEISMIC IMPORTANCE FACTOR	I _e =1.25
SEISMIC IMPORTANT FACTOR	I _p =1.0
MAPPED SPECTRAL ACCELERATIONS	SS=1.35g, S1=0.464g
SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS	SDS=1.08g, SD1=N/A"

12. SHEET M-01:

A. Replace Sheet Keynote #3 with the following:

"3. AFTER REINSTALLATION OF ROOF PANELS, REINSTALL FOUL AIR DUCTWORK AND ASSOCIATED ROOF SUPPORTS TO MATCH EXISTING CONDITIONS."

B. Replace Sheet Keynote #4 with the following:

"4. DESIGN AIRFLOW FOR 12" DIAMETER DROP LEGS IS 565 CFM. CONTRACTOR TO BALANCE FLOWS TO MATCH UPON REINSTALLATION OF DUCTWORK. DROP LEGS REQUIRE ADDITIONAL BRACING. SEE SHEET S-06, DETAIL 4 FOR MORE INFORMATION."

C. Replace Sheet Keynote #6 with the following:

"6. AFTER REINSTALLATION OF ROOF PANELS, REINSTALL FRESH SUPPLY AIR DUCTWORK AND ASSOCIATED ROOF SUPPORTS TO MATCH EXISTING CONDITIONS."

13. SHEET M-05:

A. Replace Key Note #1 in its entirety with the following:

"1. FURNISH AND INSTALL NEW SQUARE CIRCULAR CLARIFIER MECHANISM, SCUM SKIMMER, SCUM BOX, FEEDWELL, FRP EFFLUENT TROUGHS, WALKWAY TO CENTER COLUMN WITH HANDRAIL AND ASSOCIATED TYPE 316 STAINLESS STEEL SUPPORTS, AND ANCHORS. SEE SPECIFICATION SECTION 44 42 24.01 AND S SHEETS FOR MORE DETAILS."

B. Replace Key Note #2 in its entirety with the following:

- "2. FURNISH AND INSTALL NEW FRP EFFLUENT TROUGHS, ASSOCIATED TYPE 316 STAINLESS STEEL SUPPORTS, AND ANCHORS. SEE SPECIFICATION SECTION 44 42 28 AND SHEET S-05 FOR MORE DETAILS."

ATTACHMENTS

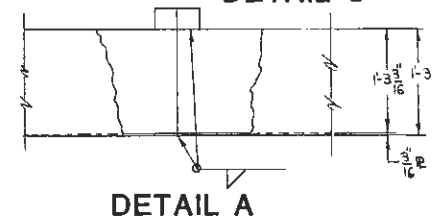
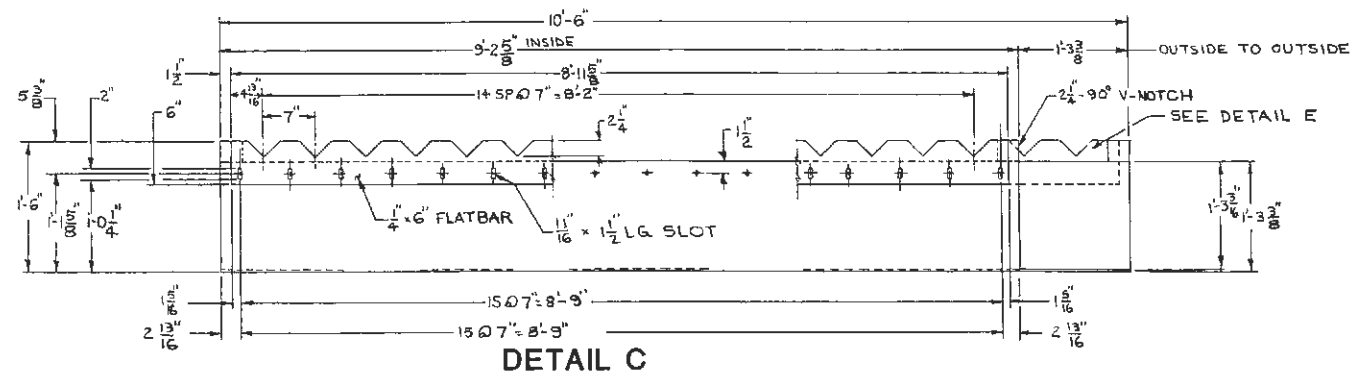
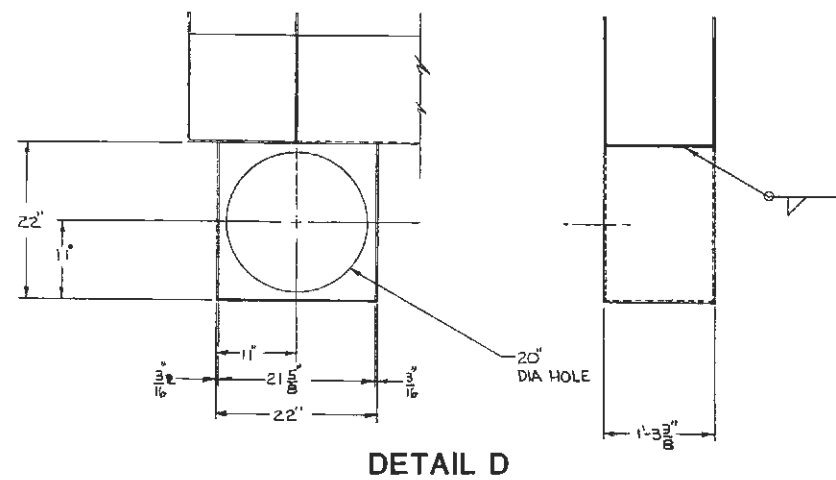
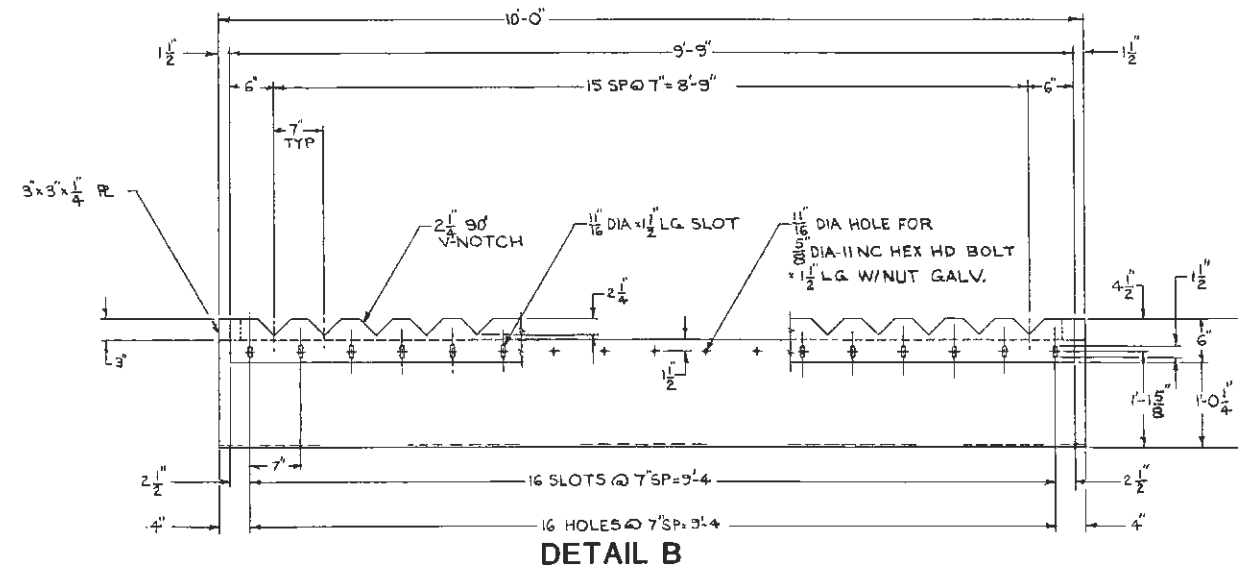
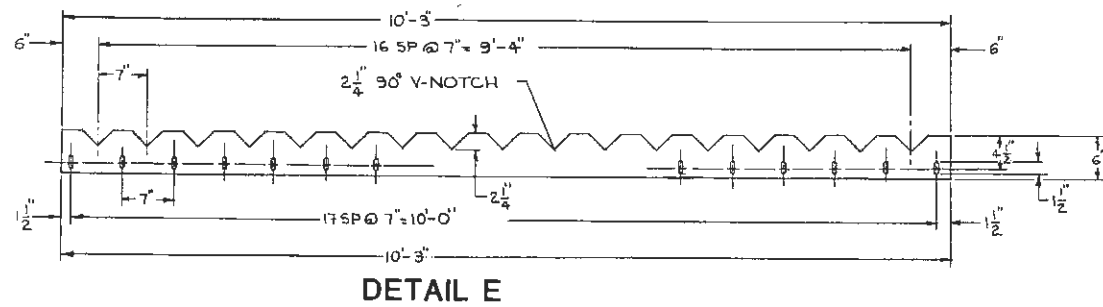
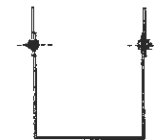
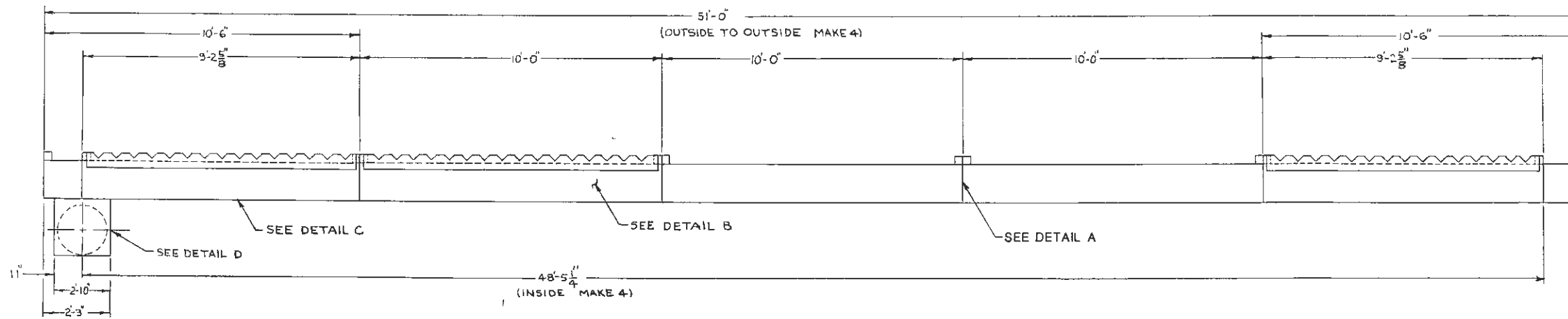
1. Redondo Clarifier Shop Drawings

The bid opening for the **2026 REDONDO PRIMARY AND SECONDARY CLARIFIERS REHABILITATION (26-1724)** project shall remain at 10:00 a.m., local time, Tuesday, October 27, 2026, at the Owner's Headquarters Building, 31627A 1st Avenue South, Federal Way, WA 98003.


Kamry Breard, P.E.
Project Manager

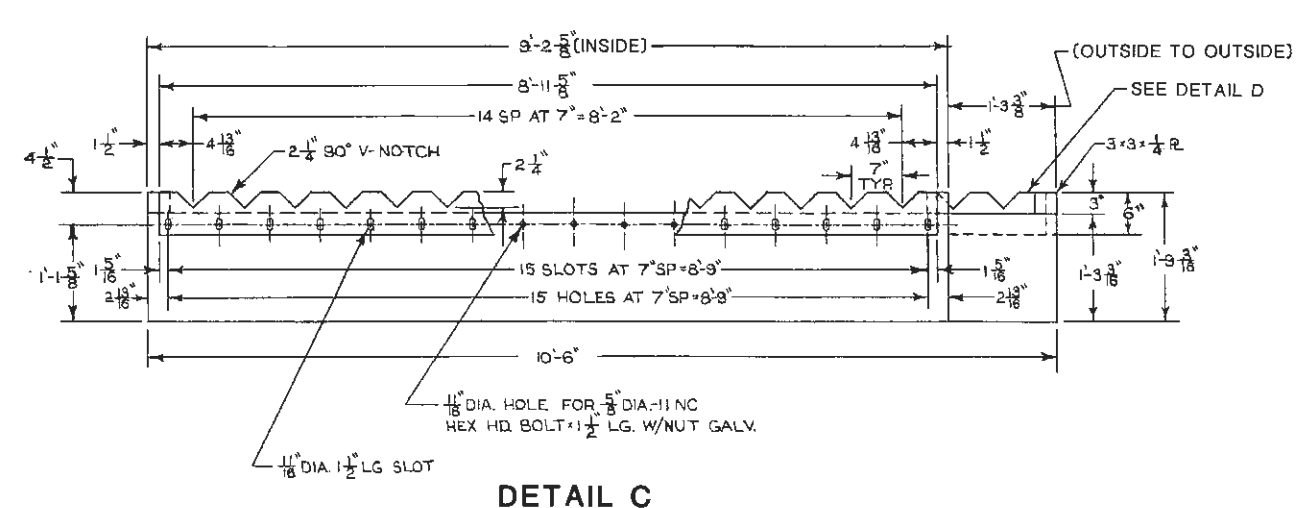
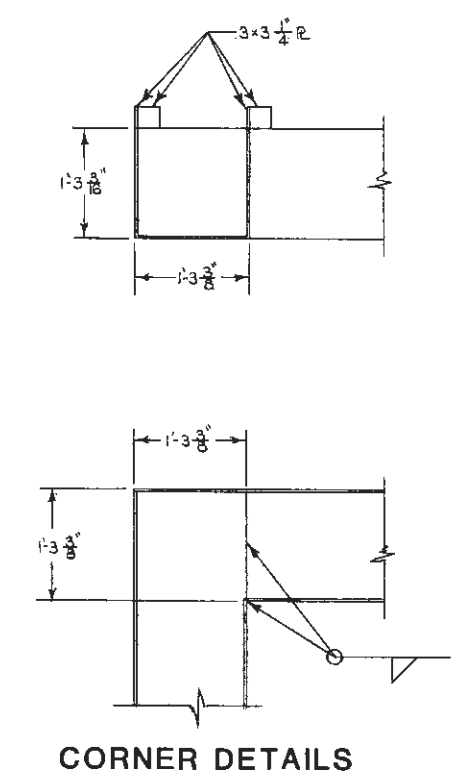
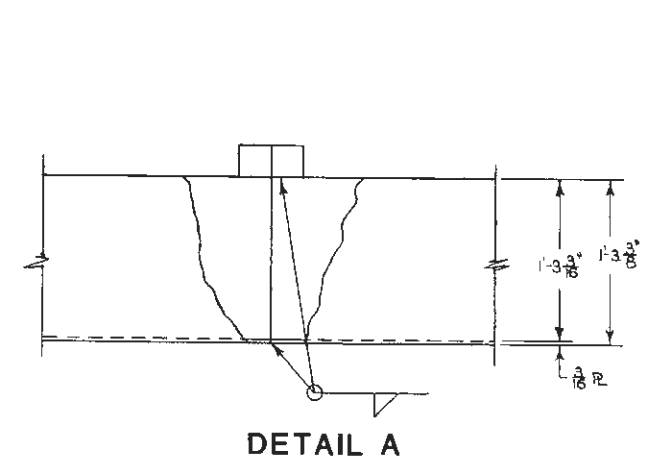
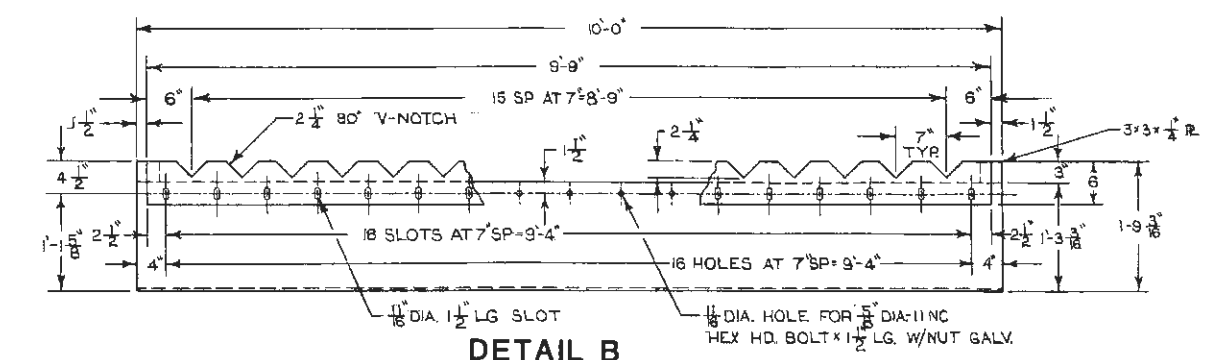
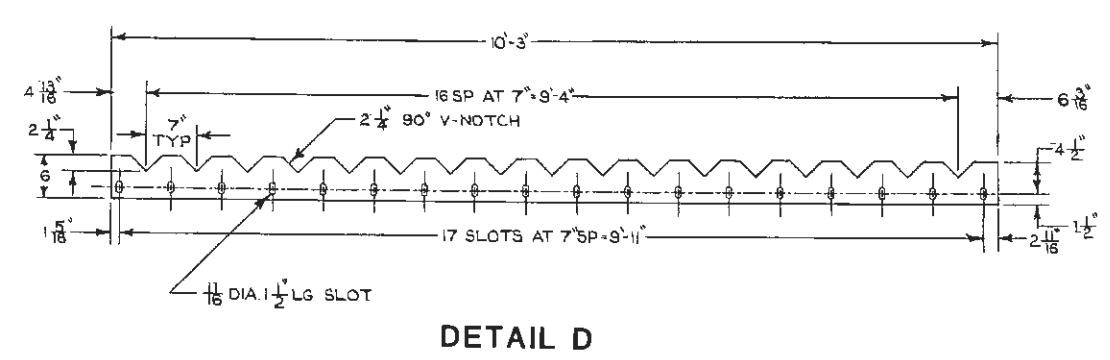
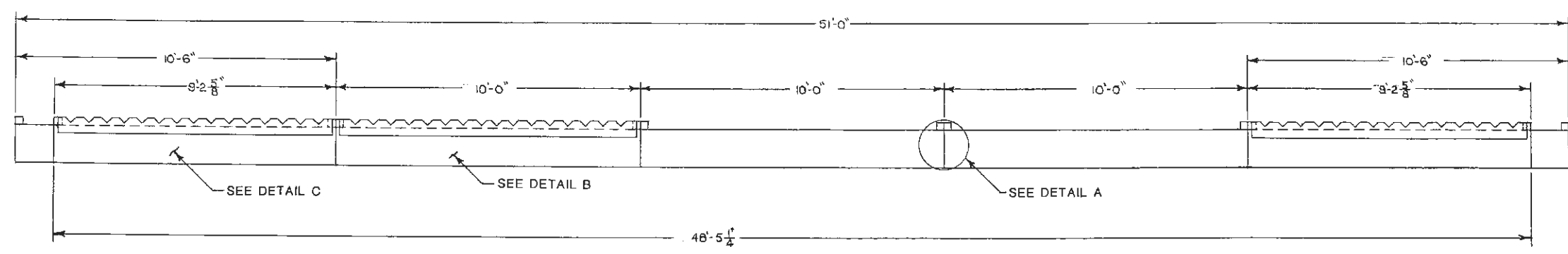
The Bidder shall acknowledge receipt of this Addendum by noting such in the Proposal in the space provided on Page P-2. Failure to do so may cause the bid to be rejected as not responsive.

END OF ADDENDUM NO. 3



NO.	DESCRIPTION OF CHANGE	DATE	BY
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		LAKEHAVEN SEWER DISTRICT	
		REDONDO	WASH.
WEIR DETAILS		SCALE: NONE	DRAWN BY: L. FLETCHER
		DATE: 8/3/81	APPROVED BY:
PRIMARY CLARIFIER		DRAWING NUMBER: 56D1262	



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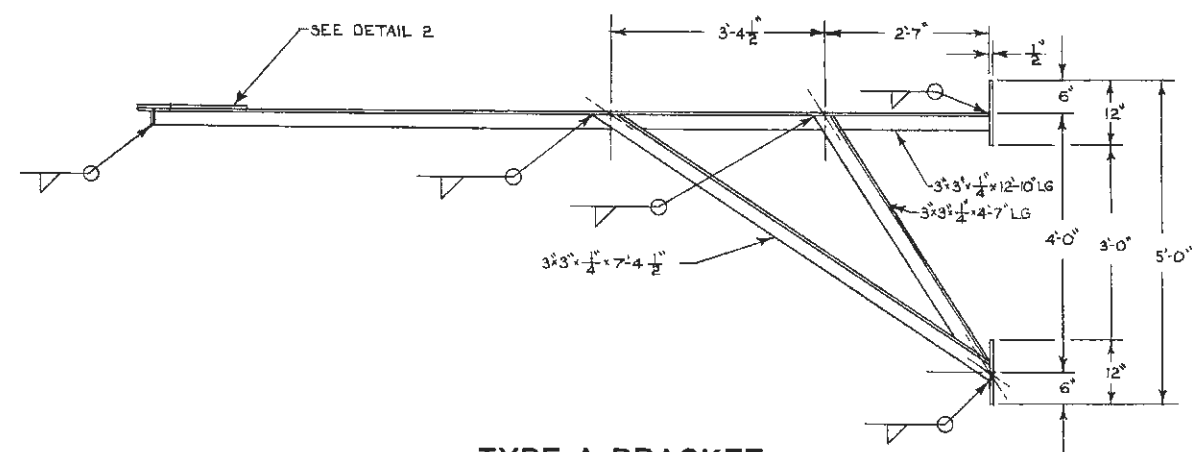
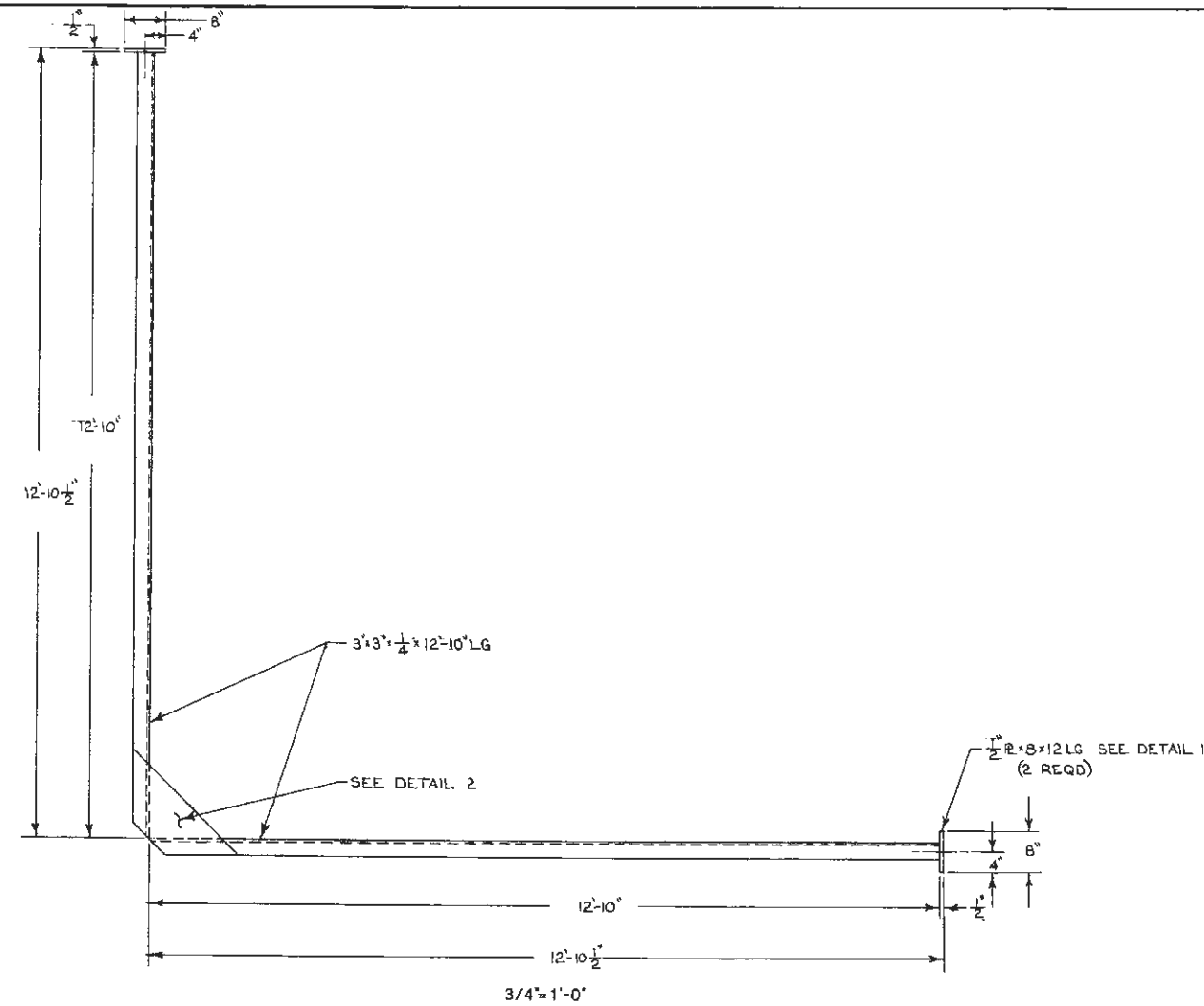
LAKEHAVEN SEWER DISTRICT
REDONDO, WASH.

WEIR DETAILS

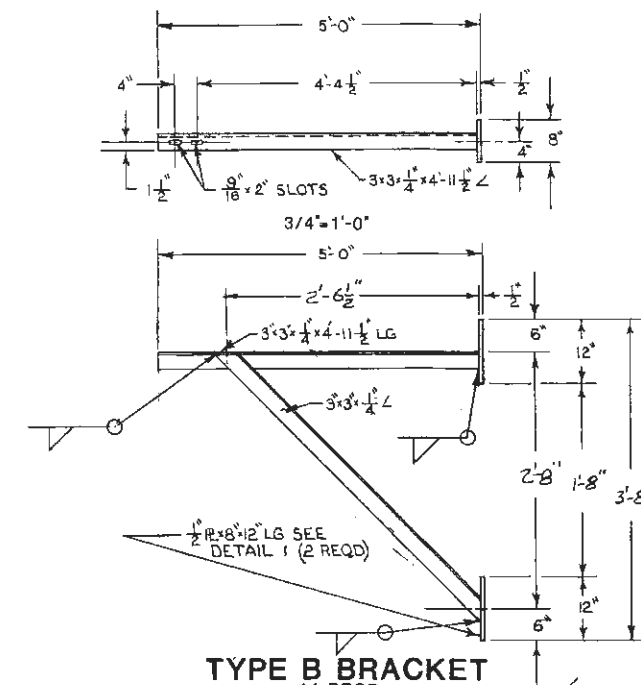
SCALE: NONE
DATE: 8/3/81

DESIGN BY: S. BARNETT
CHECKED BY:

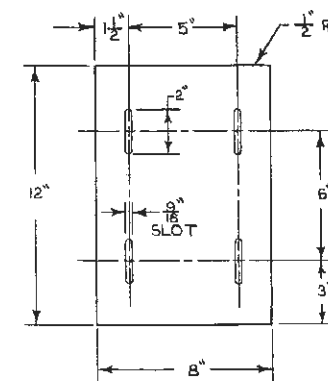
PRIMARY CLARIFIER
DRAWING NUMBER: 56D 1263



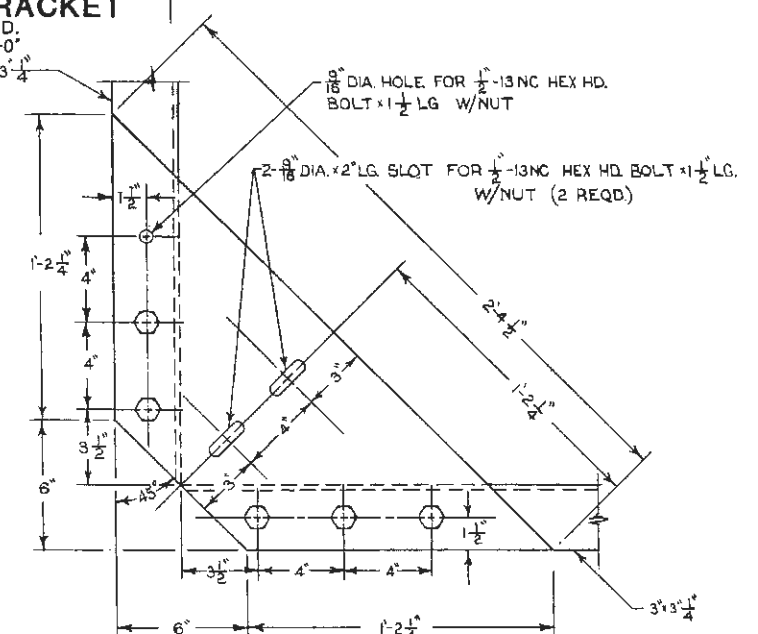
TYPE A BRACKET
8 REQD.
3/4" x 1'-0"



TYPE B BRACKET
14 REQD.
3/4" x 1'-0"



DETAIL 1
3'-1'-0"

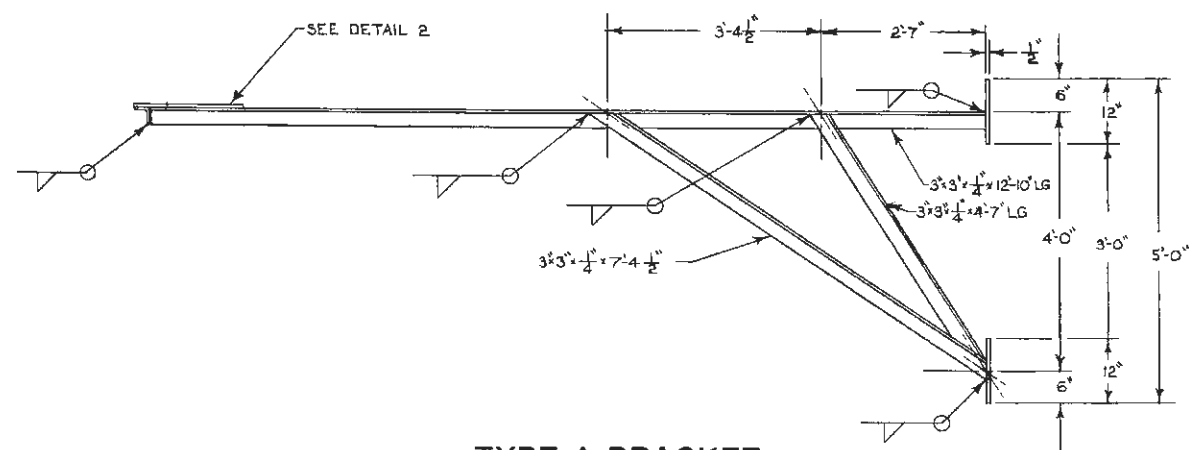
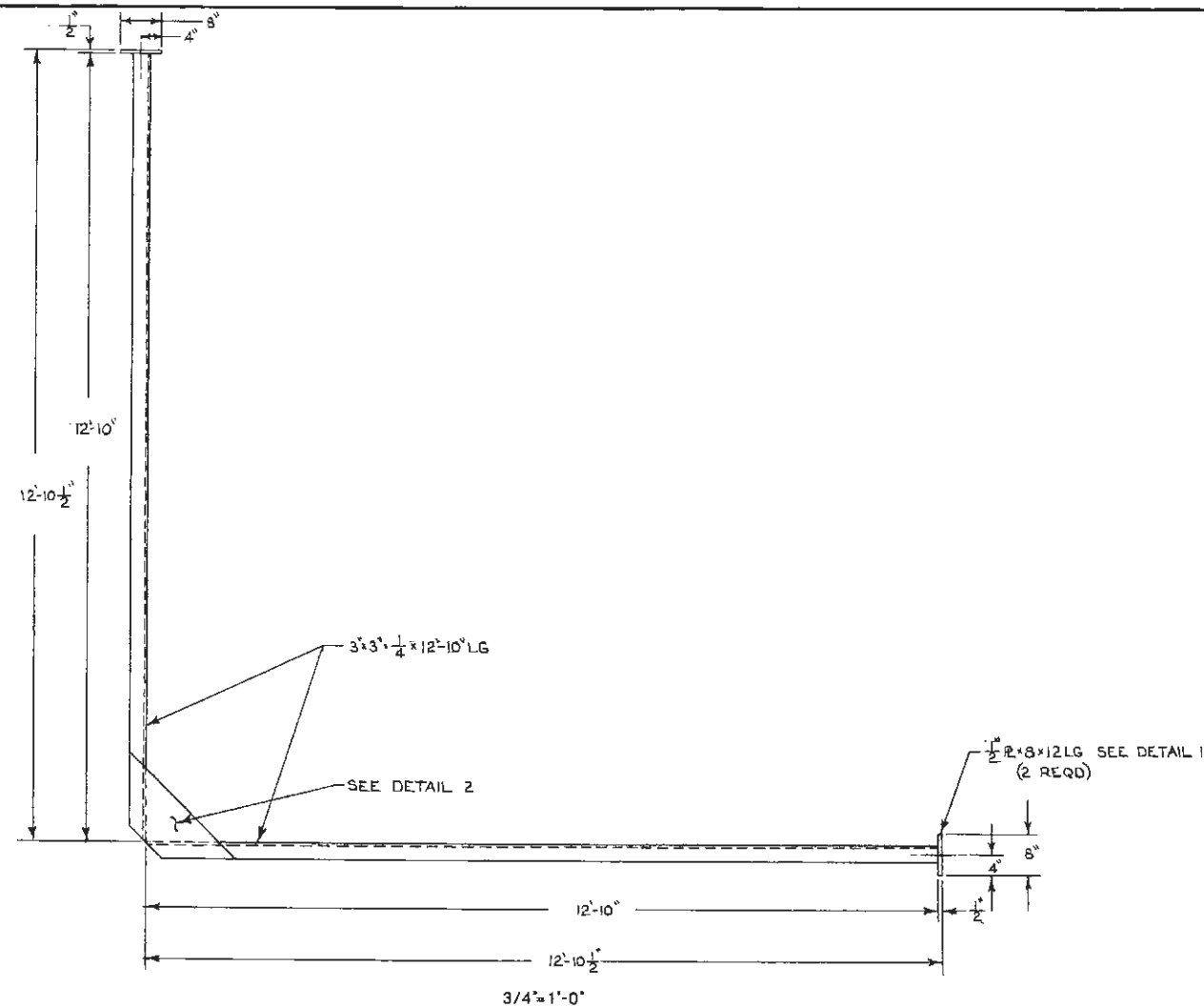


DETAIL 2
3'-1'-0"

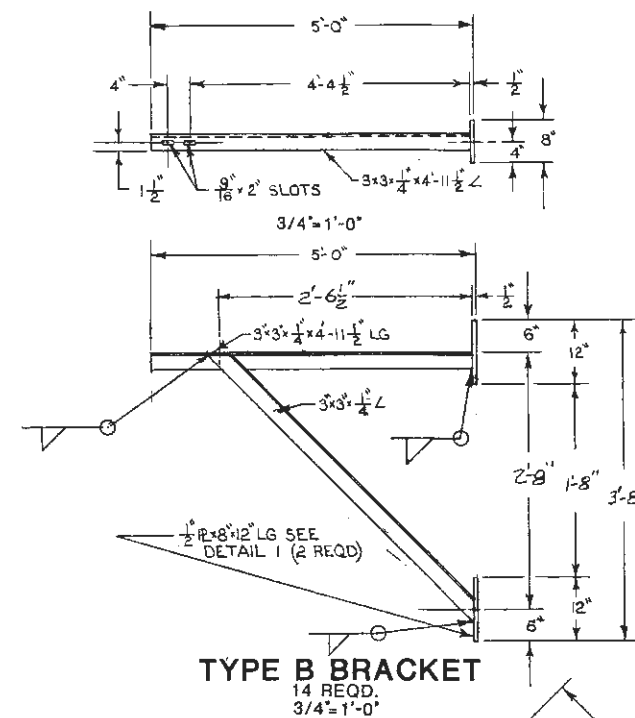
1	REV. TYPE B BRACKET	2'-6 1/2" x 3'-10 1/2", 2'-8" x 4'-0"	10/2/81	RD
2	DESCRIPTION OF CHANGES			
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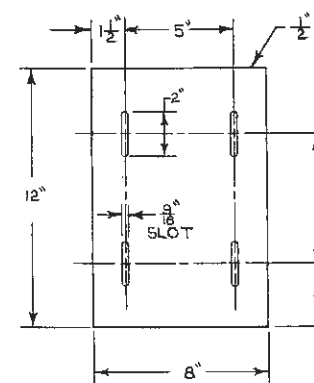
LAKEHAVEN SEWER DISTRICT	
REDONDO,	WASH.
BRACKET DETAILS	
SCALE NOTED	DESIGN BY S. BARNETT
DATE 7/30/81	APPROVED BY
SECONDARY CLARIFIER	56D 1261



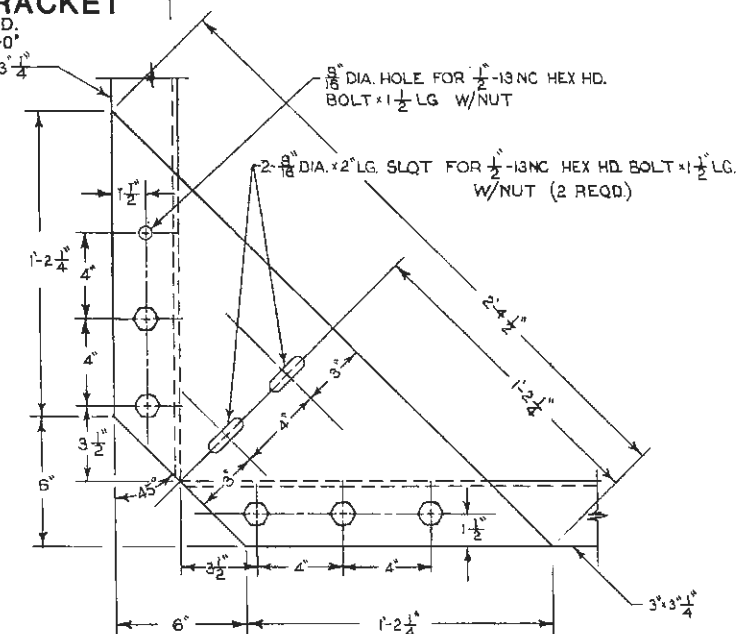
TYPE A BRACKET
8 REQD.
3/4" = 1'-0"



TYPE B BRACKET
14 REQD.
3/4" = 1'-0"



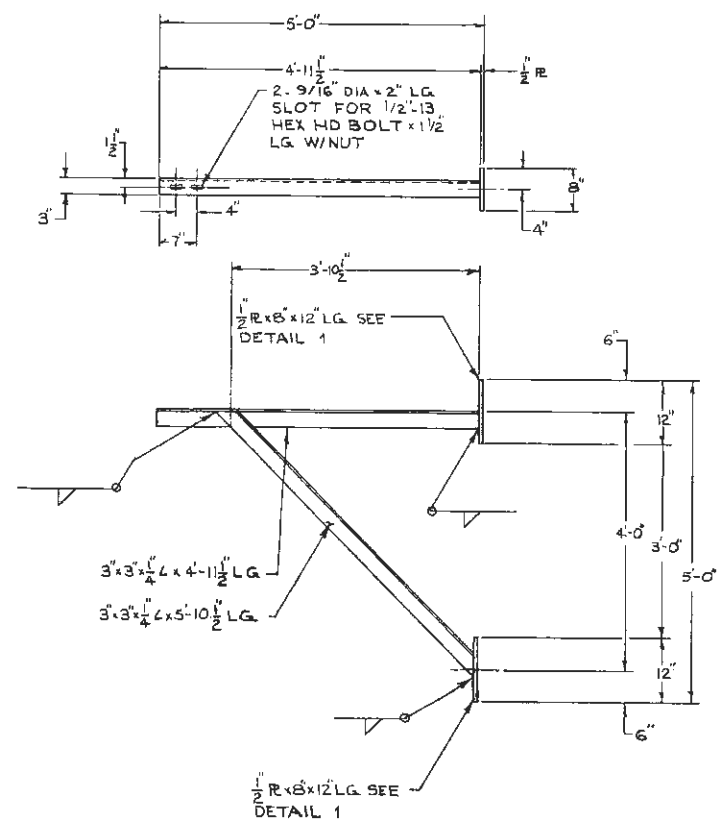
DETAIL 1
3" = 1'-0"



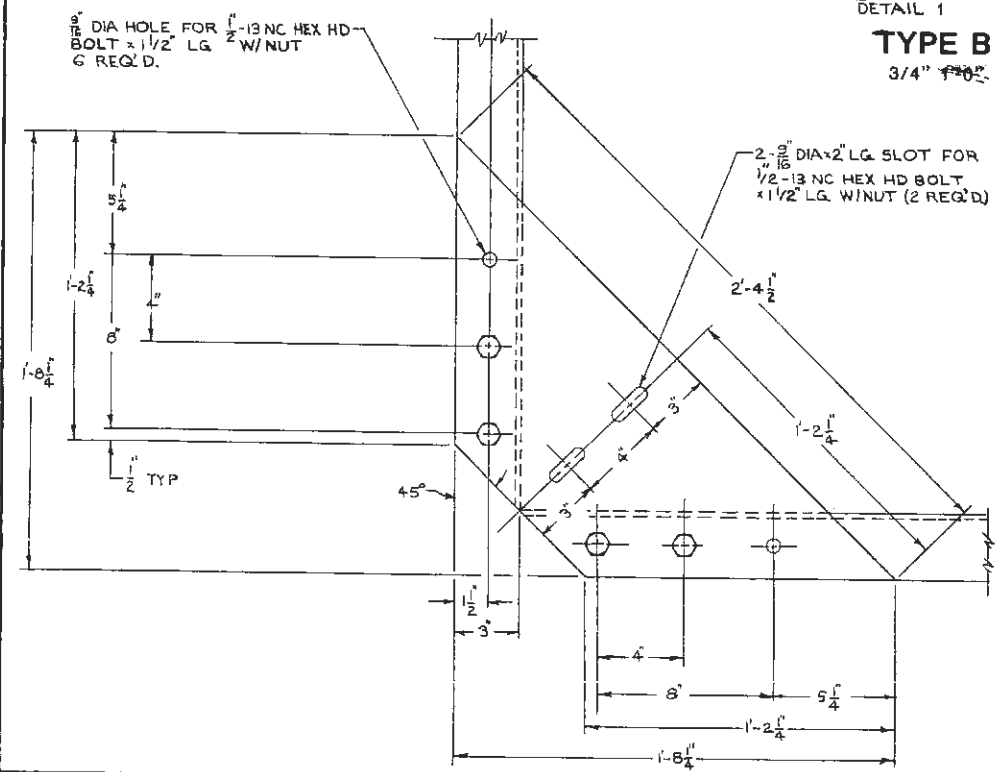
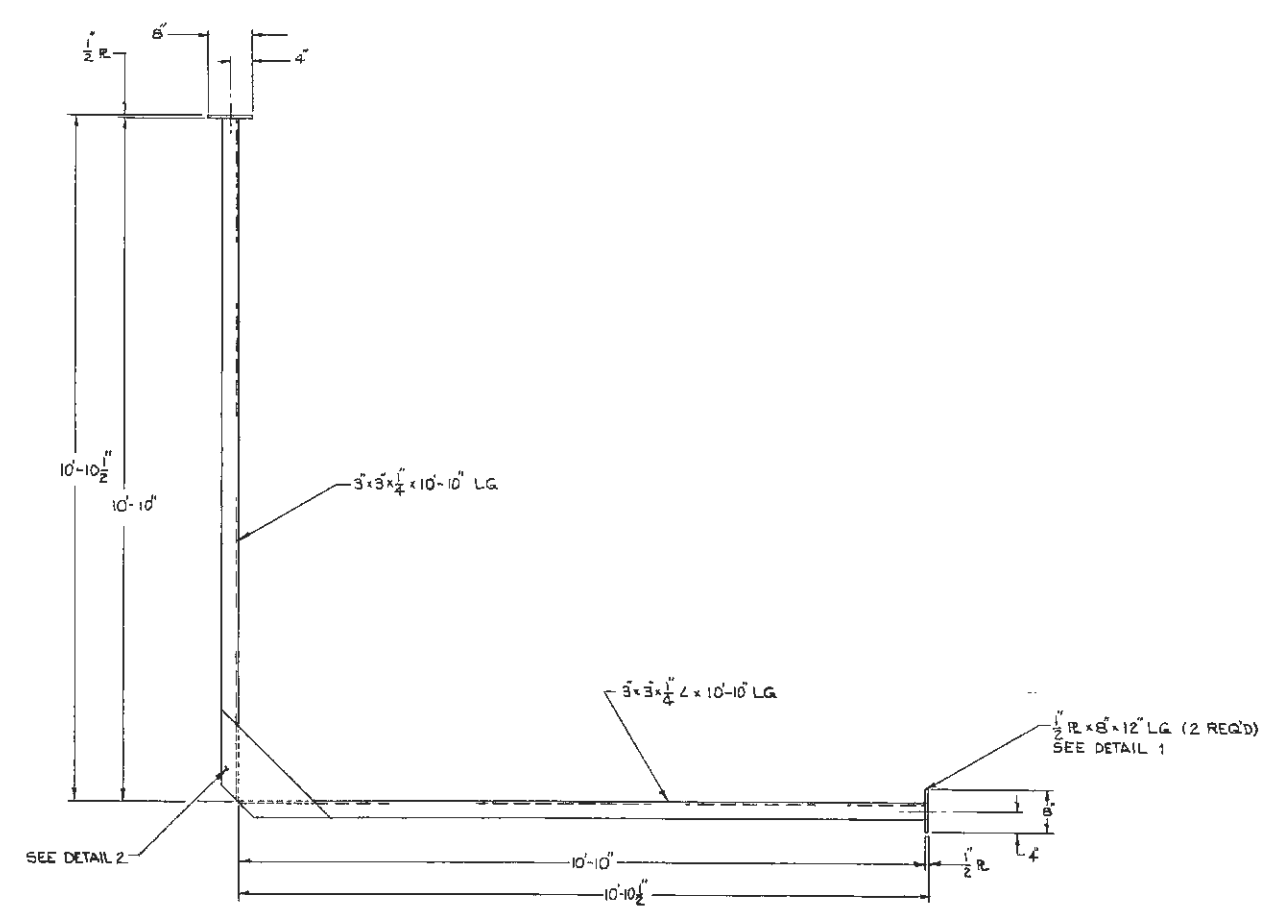
DETAIL 2
3" = 1'-0"

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REV.	TYPE B BRACKET	2'-4 1/2" x 3'-10 1/2" x 2'-8" (1'-0")	10/2/81	ED	
DESCRIPTION OF CHANGES					
DATE					

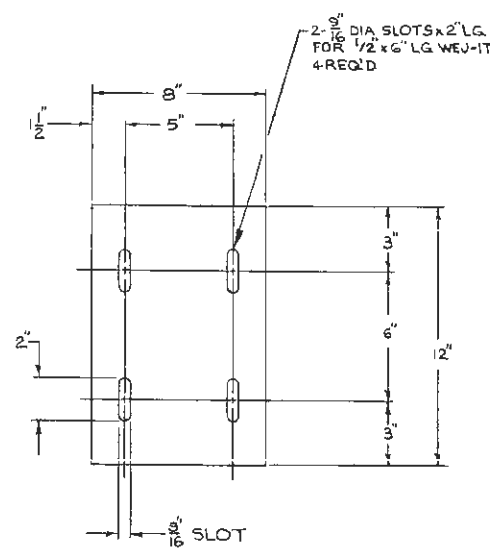
	LAKEHAVEN SEWER DISTRICT	
	REDONDO,	WASH.
	BRACKET DETAILS	
	SCALE: NOTED	DRAWN BY: S. BARNETT
DATE: 7/30/81		APPROVED BY:
SECONDARY CLARIFIER		DRAWING NUMBER: 58D 1261



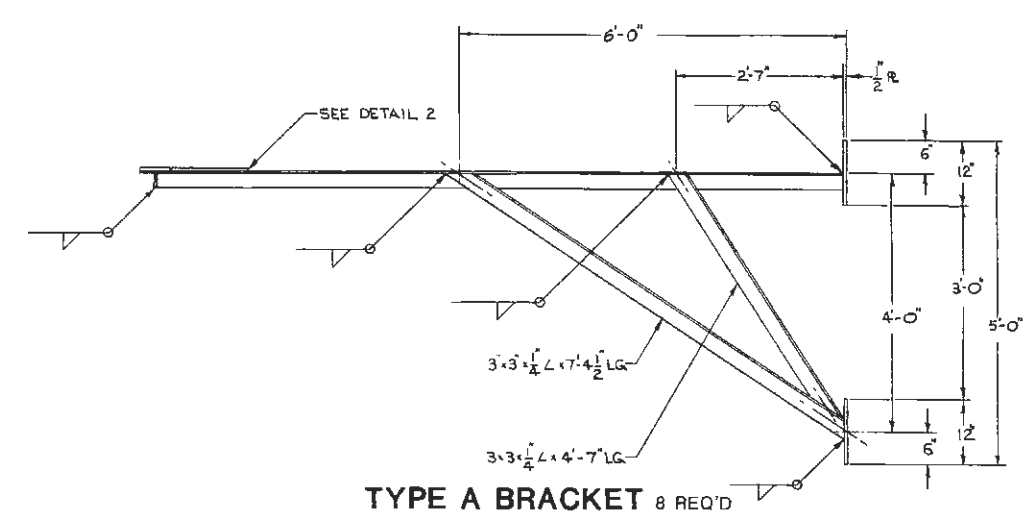
TYPE B BRACKET 14 REQ'D
3/4" x 10"



DETAIL 2
3" 1'-0"



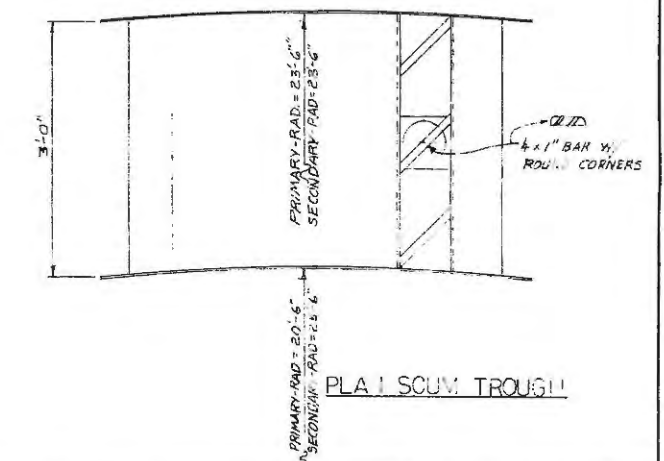
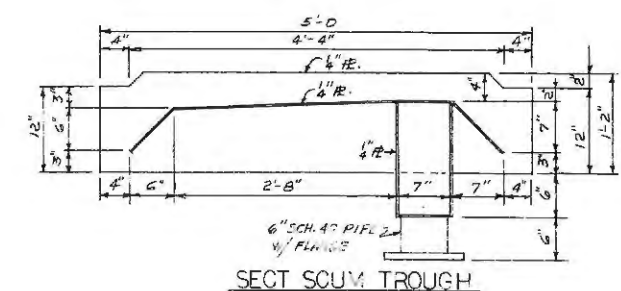
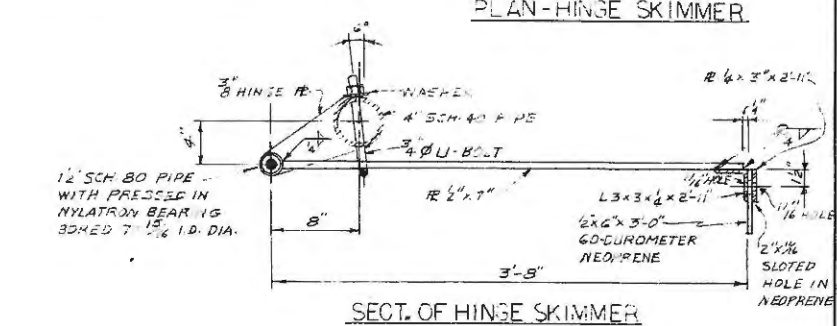
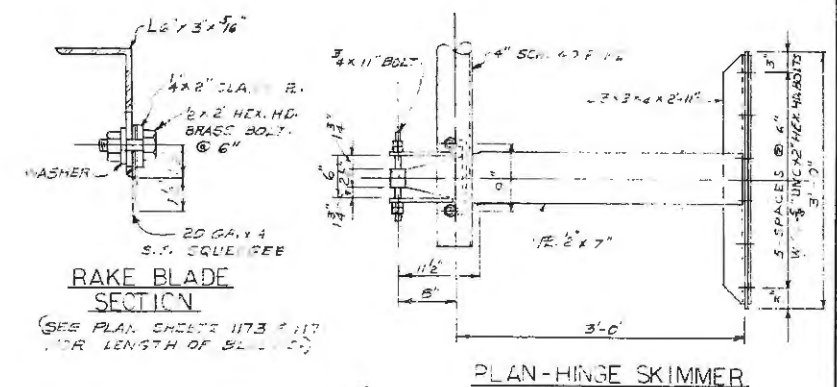
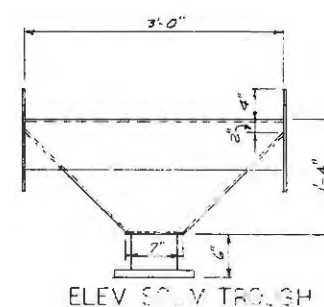
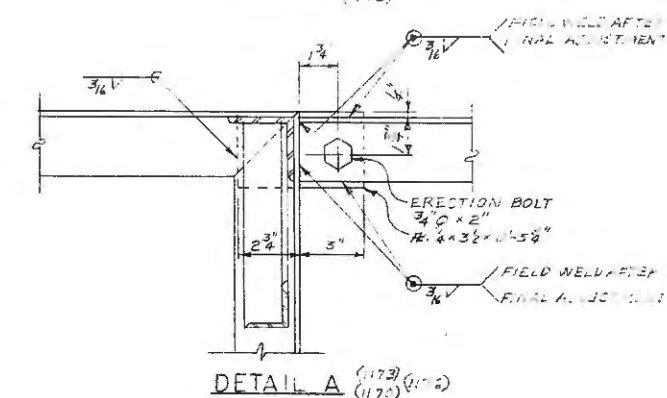
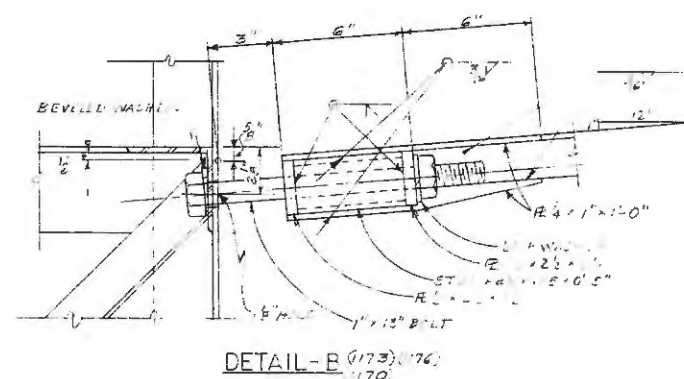
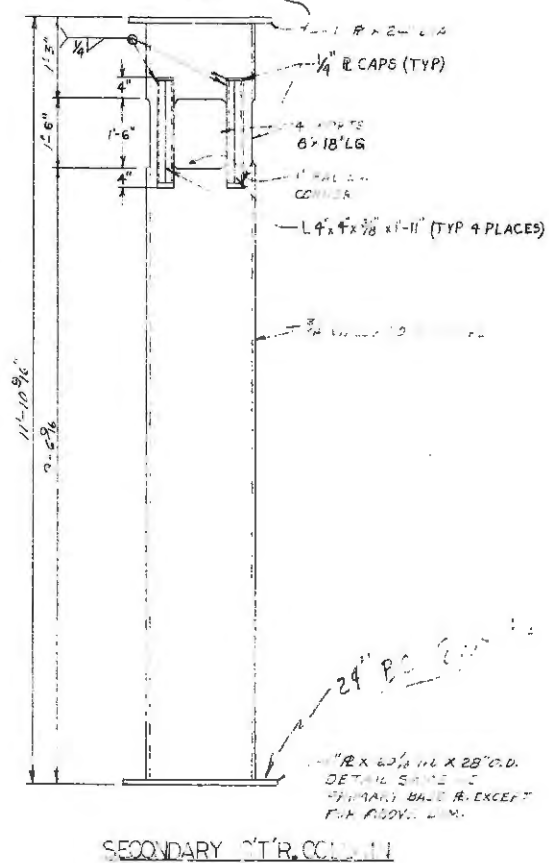
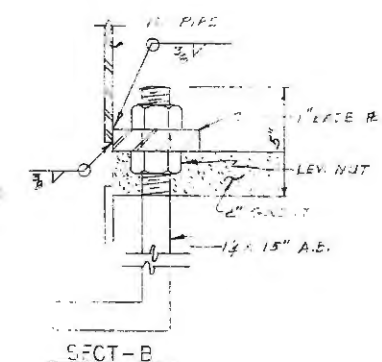
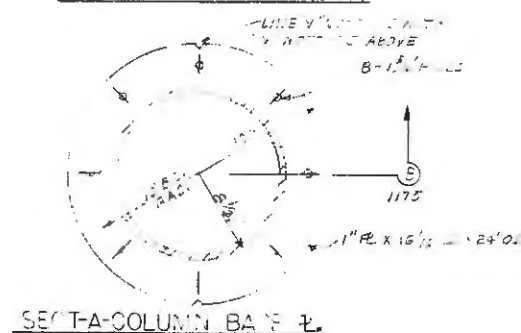
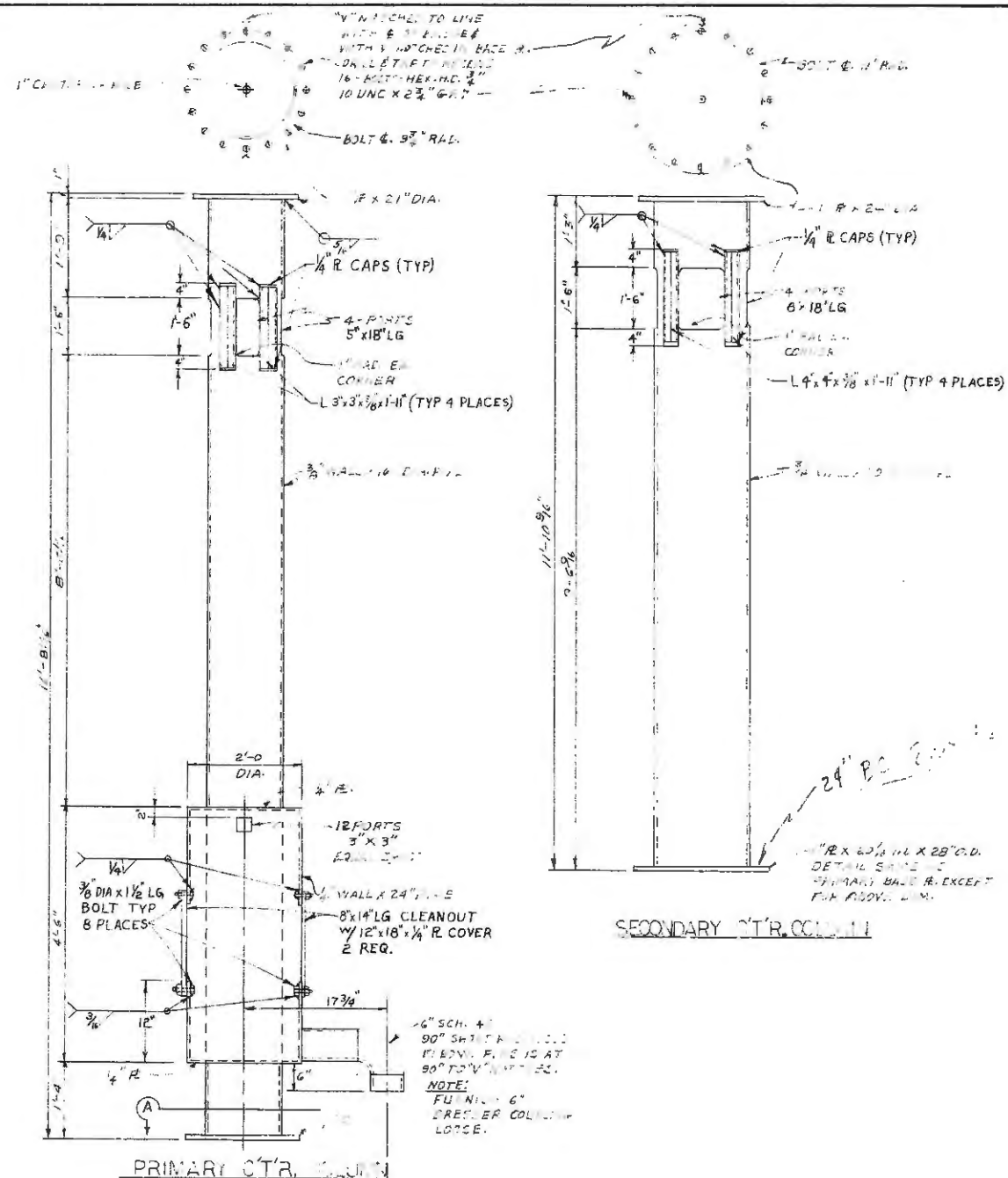
DETAIL 1
1 1/2" 1'-0"



TYPE A BRACKET 8 REQ'D

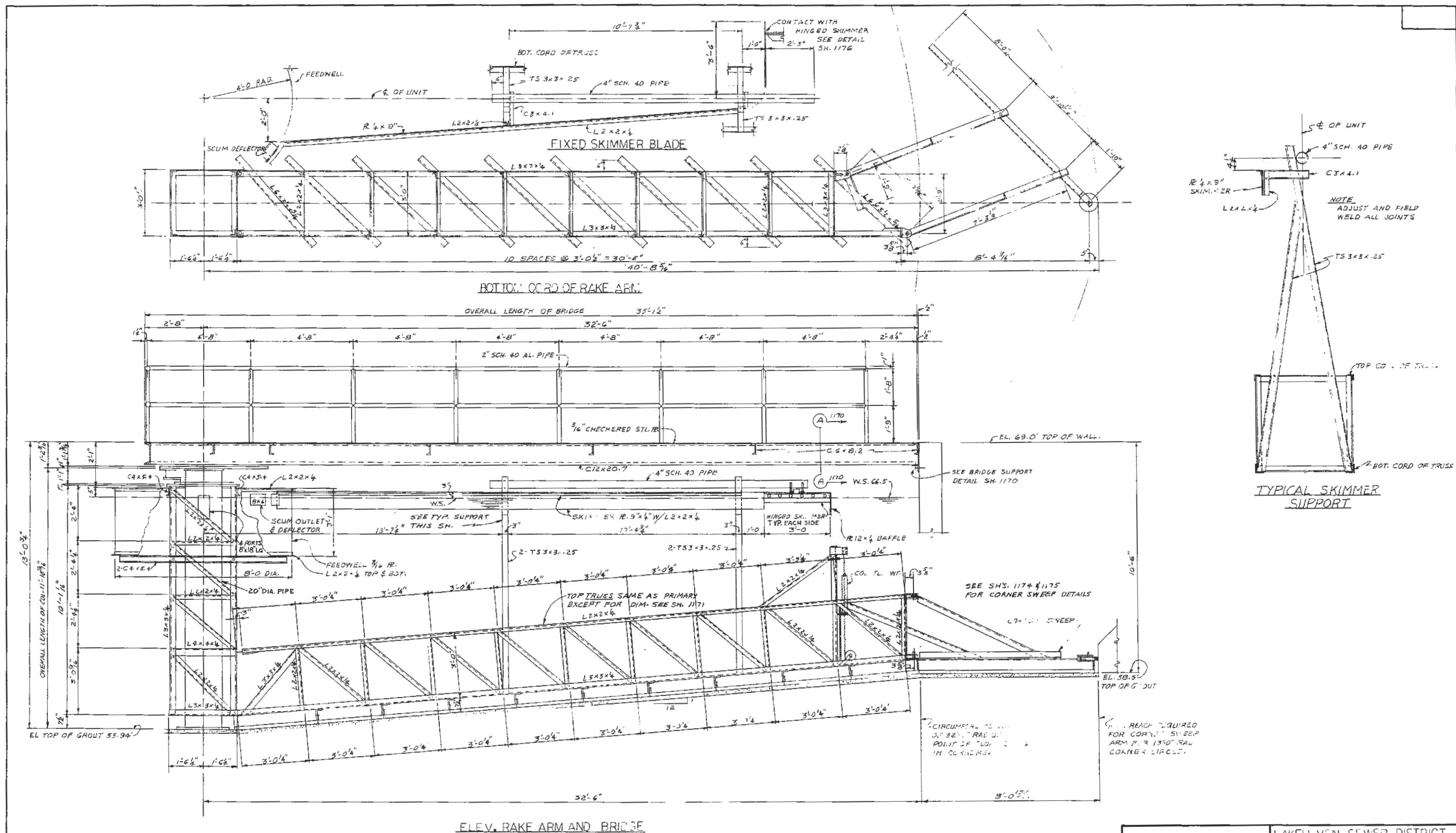
NO.	DESCRIPTION OF CHANGES	DATE	BY
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	LAKEHAVEN SEWER DISTRICT	
	REDONDO	WASH
	BRACKET DETAILS	
	SCALE: NOTED	DRAWN BY: L. FLETCHER
	DATE: 7/30/81	APPROVED BY:
PRIMARY CLARIFIER		56D1280



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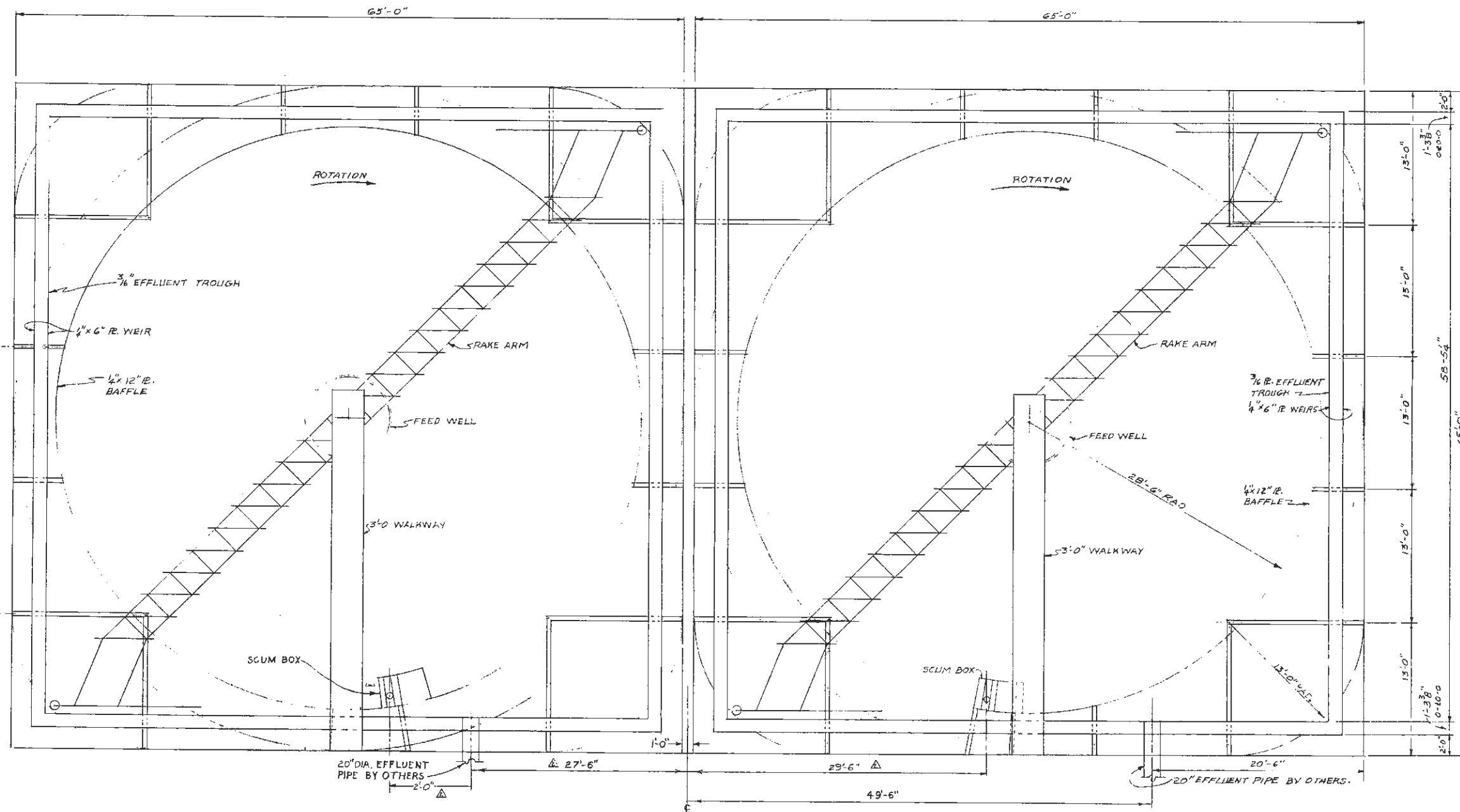




1	REVISED PER ENG'S COMMENTS	5-20-83
2	DESCRIPTION OF CHANGE	DATE
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LAKEHAVEN SEWER DISTRICT	WASHINGTON
REDONDO	RAKE ARM
SECONDARY	CLARIFIER
SCALE 1/2" = 1'-0"	DRAWN BY CSD
DATE	APPROVED BY
DRAWING NUMBER	56D1173



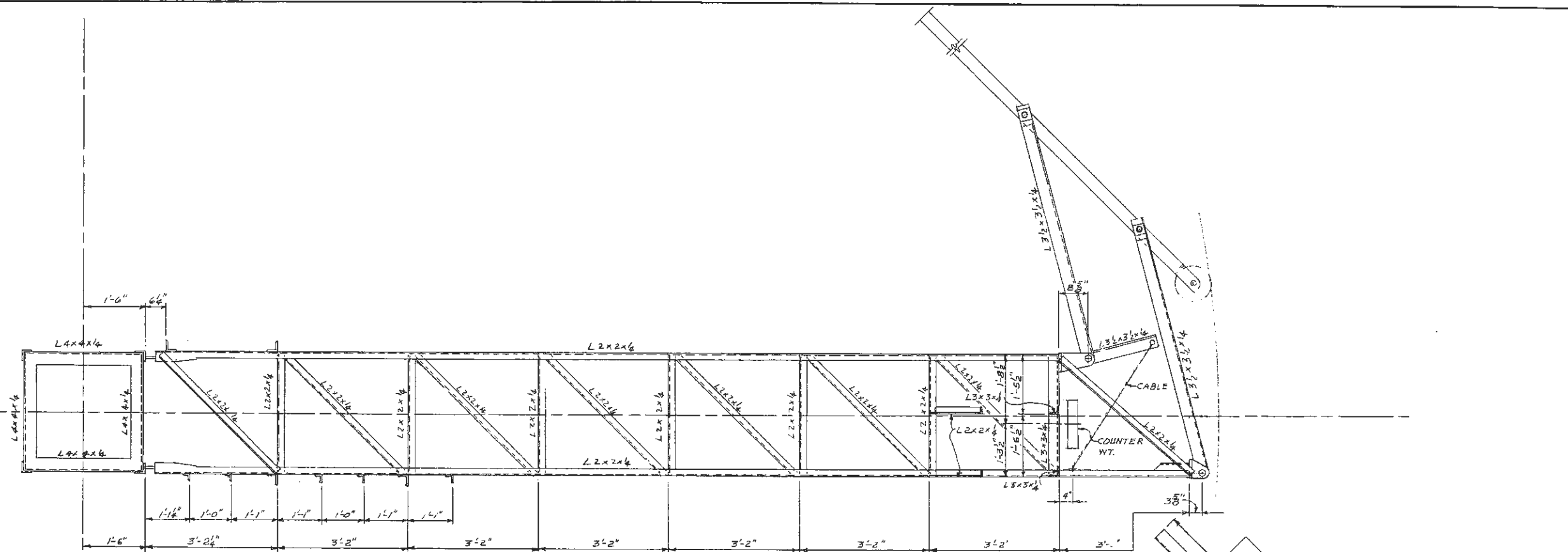
PRIMARY CLAIRIFIER NO. 2

PRIMARY CLAIRIFIER NO. 1

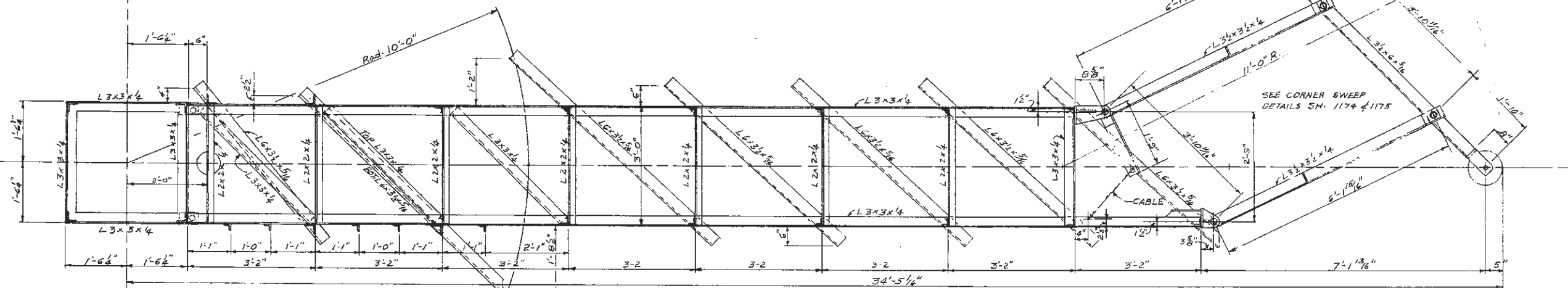
1	REV. PER ENG. CHG.	6-22-81	LF
2	REVISED PER ENG. COMMENTS	5-19-81	J5
DESCRIPTION OF CHANGE		DATE	BY



LAKEHAVEN SEWER DISTRICT	
RECORD	WASHINGTON
SECONDARY LAYOUT	CLARIFIER
SCALE 3/8" = 1'-0"	DRAWN BY C.S.
DATE	APPROVED BY
DRAWING NUMBER 5601172	



TOP TRUSS



BOTTOM TRUSS

NO.	DESCRIPTION OF CHANGE	DATE	BY
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LAKEHAVEN SEWER DISTRICT	
REDONDO	WASHINGTON
TOP & BOT. TRUSS RAKE ARM	
PRIMARY	
SCALE 3/4" = 1'-0"	DRAWN BY C.S.D.
DATE	APPROVED BY
DRAWING NUMBER 562171	

