NOTE: Auxiliary piping for cooling water, make up water, oil, fuel gas, starting air, speed control, etc., is not shown on the plans, but shall be furnished and installed in pipe trenches or as directed by the Engineer, in accordance with schematic diagrams, manufacturer's details and contractor's or manufacturer's piping layout.

Vent Fans - Allen Cooler & Ventilator Inc. Exhaust Fan # 240 mounted into # 12 ga. steel housing anchored to exterior of wall and fitted with automatic louvres. 5160 c.f.m. @ ½" S.P. Steel housing to be hot dipped galvanized after fabrication.

Caulk all around steel housings

15"WF @ 32# crane truck beam

PLAN - UPPER PART OF REAR WALL
Scale: 1/4" = 1'-0"

Compressor

Air Receiver

3" Air Line Bracket to wall

Unit Heater 20,000 BTUH Suspended from ceiling With Thermostat

Thermostat

WORK SHOP

Storage Cabinet

Work Bench

Floor drain

Control & Instrument Panels

OFFICE

Desk

Chair

Steel Work to make up tank

Gas fired circulating flush type wall heater 25,000 B.T.U. capacity with thermostat.

TOILET

Metal partition

8" Partition wall

See Main Entrance Detail

Concrete Walk (scale varies as shown)

Tunnel for pipes

Storage Cabinet

Oil Filter

Oil cooler

Engine No. 1

Engine No. 2

Engine No. 3

Engine No. 4

Engine No. 5

Future Engine No. 6

ENGINE ROOM

Pipe Trench

Location of Elec. conduits at future engine bases.

NOTE: Future No. 6 Engine bolt anchor plates set at same spacing as for Engine No. 1, S.E.S. Future short reinf. rods spaced 6" on outside of each anchor bolt plate.

Pipe enclosure (see detail)

Gas Pressure Gauge 0-30#

Ditch Pressure Gauge 0-30#

Starting Air Pressure 0-300

Water Cooler for Engine

Future Pump

Pump

Step

Floor drains (see section D-D) Slope floor around floor drainage from pipe trenches.

Sleeves for 2" D.I.P. through floor.

Floor drain (see section D-D) Area around floor drains (approx. 24" dia.) to be sloped 1" to drain.

NOTE: Provide sleeves through slab for anchor bolts of future pumps and for 2" D.I.P. Locate same as for adjacent pumps. Plug holes and carry terrazzo over.

Remainder of Piping etc., same as for Engine No. 1.

24" dia. access manhole with 14" elev. ID cover, cap screwed in place. Provide Cl. HA steps @ 16'-0" c.

Manometer

6" steel pipe cols. for crane truck beam

14" Steel pipe

8" Crispin P.R.V. etc.

24"-16" Eccentric Reducer

To Surge Chamber See Section B-B

Exist. gate wheel and pedestal to be reinstalled on top of new stem. Provide new valve stem.

Pipe col. & dimensions similar at other wall.

6" steel pipe columns

Blind Flange

24" Cement coated and lined steel pipe.

Exist. 36" R.C.P. (must be kept in service)

NOTE: Location of Concrete Walk Revised. See Sheets No. G & 7.

FLOOR PLAN
Scale: 1/4" = 1'-0"
DO NOT SCALE

DETAIL - CONCRETE BLOCK BAFFLE WALL
Scale: 1/4" = 1'-0"

ELEVATION

SECTION M-M

PLAN

GENERAL NOTES

Plumbing fixtures and floor drains are shown on the plans. All drainage piping, vents, traps, cleanouts, supply piping, etc., are to be installed as required by and in accordance with the applicable code or ordinance.
The pipe and fittings on all piping and branches from pump discharge through the meter, all shall be adequate for 150 p.s.i. working pressure and 300 p.s.i. minimum test pressure. Bends and ells in these lines and branches shall be designed to carry all stresses without the use of external thrust blocks. All welding to be done by a certified welder.

SCHEDULE - INTERIOR FINISH

Room	Floor	Base	Wainscot	Walls	Ceilings	Remarks
Engine Room	Terrazzo	Terrazzo	None	Conc. Block Painted	Suspended Acoustical	Ceiling "Keynote" Acoustical Tile System - Corrugated
Office	Terrazzo	Terrazzo	None	Conc. Block and Plaster Painted	Acoustical Tile	Acoustical Tile to be Random Perforated
Toilet Room	Terrazzo	Terrazzo	Ceramic Tile	Conc. Block and Plaster Painted	Acoustical Tile	Acoustical Tile to be Random Perforated.
Work Shop	Cement	Cement	Painted	Conc. Block and Plaster Painted	Acoustical Tile	Acoustical Tile to be Random Perforated.

Revised "As Built" 4/24/61

EFFLUENT RECLAMATION PUMPING STATION
SAN BERNARDINO
CALIFORNIA
1960
CUPRIZ ENGINEERING COMPANY
CONSULTING ENGINEERS

FLOOR PLAN 2