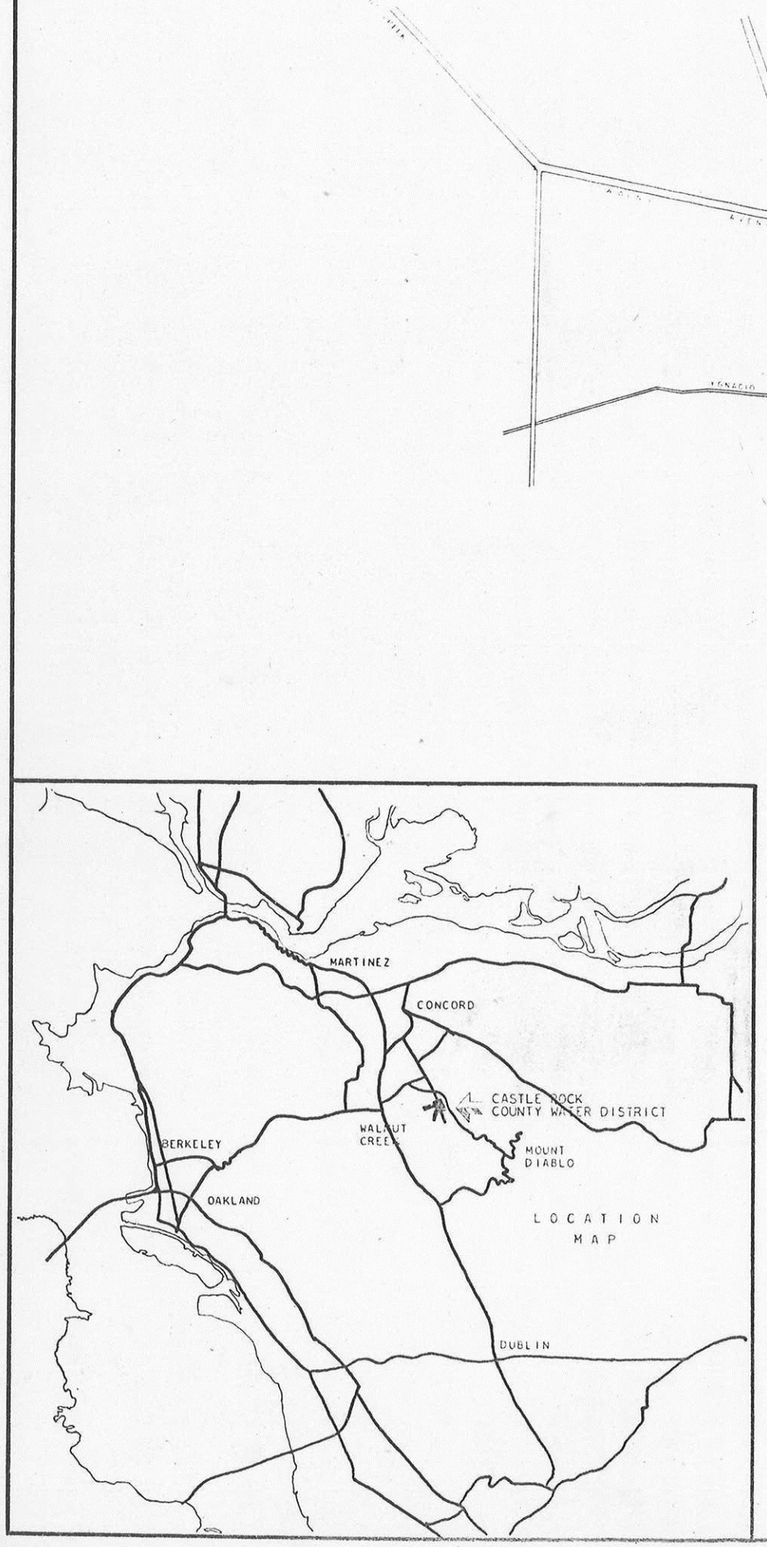
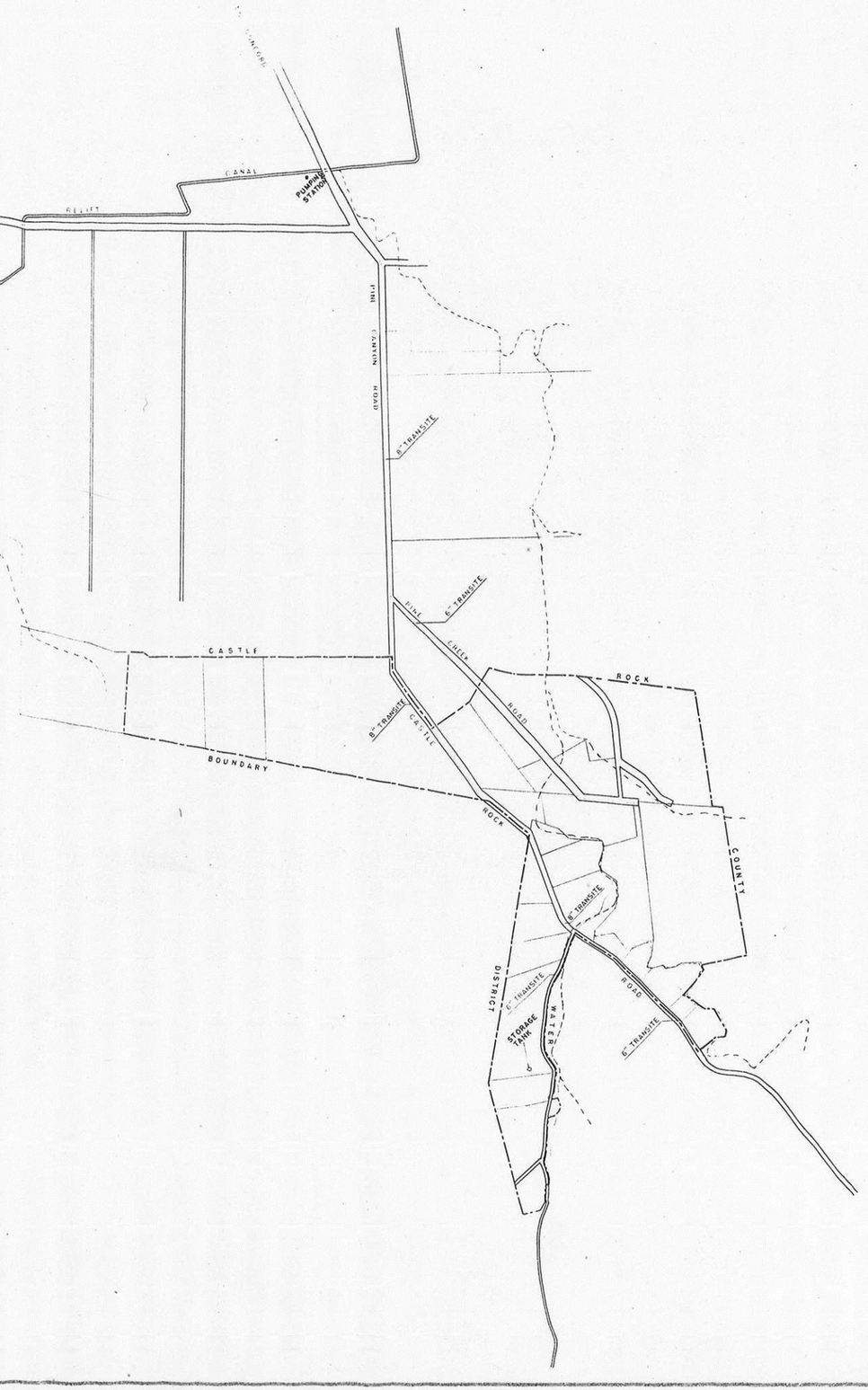
CASTLE ROCK COUNTY WATER DISTRICT

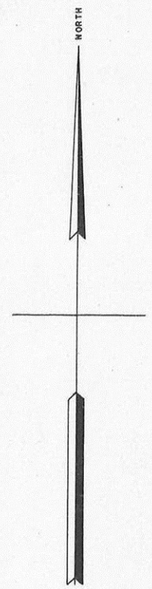
WATER SYSTEM

CONTRA COSTA COUNTY, CALIFORNIA

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER
REGISTERED CIVIL ENGINEER NO. 5518







GENERAL PLAN

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

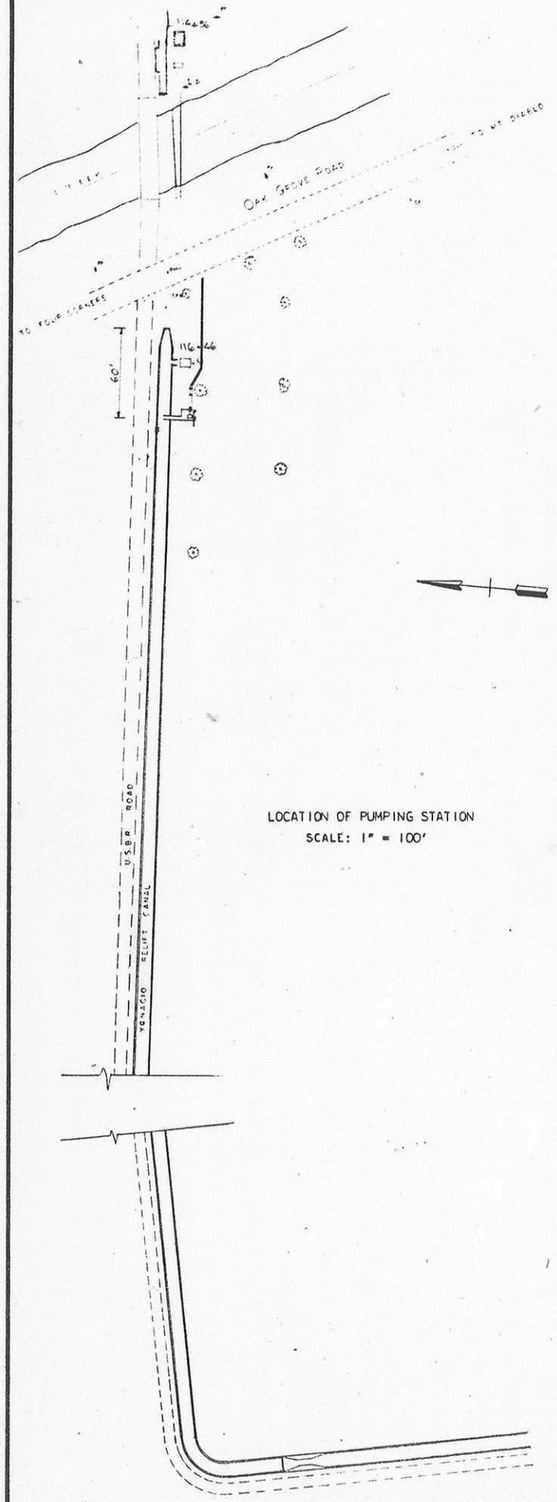
CASTLE ROCK COUNTY WATER DISTRICT

WATER SYSTEM

Drawn by J.M.M. | Scale: 1" = 1000'

R.E. Ramseier 6-27

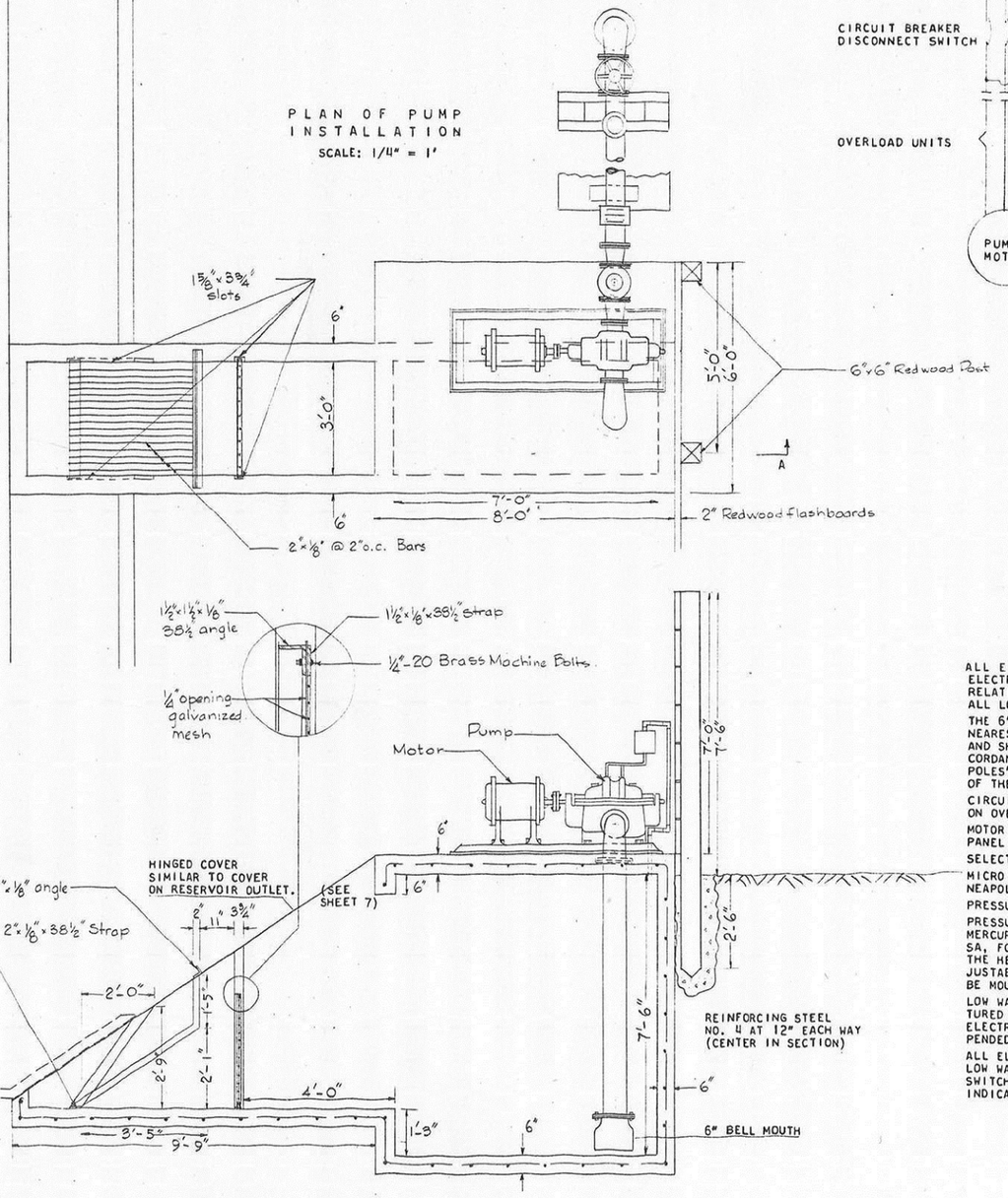
CON 09



LOCATION OF PUMPING STATION
SCALE: 1" = 100'

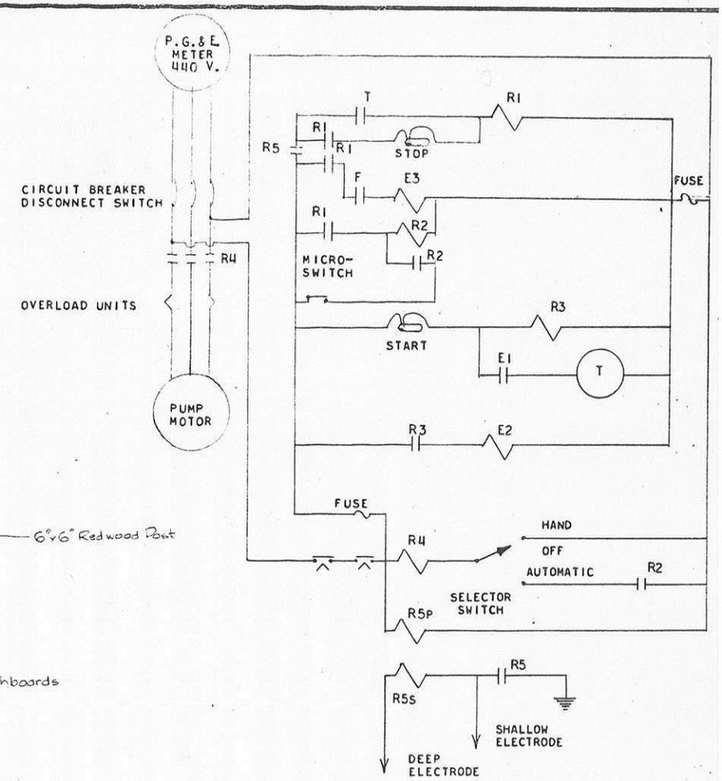
U.S.B.R. Canal

A



PLAN OF PUMP INSTALLATION
SCALE: 1/4" = 1'

SECTION AA



ELECTRICAL CIRCUIT DIAGRAM

ALL ELECTRIC WIRING SHALL BE INSTALLED IN ACCORDANCE WITH THE RULES OF T ELECTRICAL SAFETY ORDERS OF THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIA RELATIONS, THE INSTALLATION RULES OF THE PACIFIC GAS AND ELECTRIC COMPANY, ALL LOCAL ORDINANCES.

THE 6" X 6" REDWOOD POST SUPPORTING THE CONTROL EQUIPMENT PANEL AND LOCATED NEAREST TO THE ELECTRICAL SWITCHBOARD SHALL EXTEND FOUR FEET INTO CONCRETE, AND SHALL EXTEND 20 FEET ABOVE THE GROUND. THIS POLE SHALL BE FITTED IN AC CORDANCE WITH THE "APPROVED MINIMUM REQUIREMENTS FOR CUSTOMER OWNED SERVICE POLES" AS APPROVED BY RESOLUTION NO. E-651 OF THE PUBLIC UTILITIES COMMISSI OF THE STATE OF CALIFORNIA.

CIRCUIT BREAKER SHALL BE MULTIPOLE SO THAT ALL LINES WILL OPEN SIMULTANEOUS ON OVERLOAD ON ANY ONE LINE AND SHALL CLEARLY INDICATE "ON", "OFF", "TRIPPE

MOTOR STARTER SHALL PROVIDE OVERLOAD AND LOW VOLTAGE PROTECTION AND SHALL E PANEL RESET.

SELECTOR SWITCH SHALL BE SINGLE POLE DOUBLE THROW H AND H SWITCH NO. 4361.

MICRO SWITCH SHALL BE SPLASH PROOF, TYPE "OP-AR" AS MANUFACTURED BY THE MIN NEAPOLIS - HONEYWELL REGULATOR COMPANY.

PRESSURE SWITCH (F) SHALL BE SIMILAR TO SQUARE D TYPE ASG-8.

PRESSURE CONTROL UNIT SHALL BE SINGLE BELLOWS, WEIGHT LOADED, WITH TILTING MERCURY SWITCHES, AND MOTOR DRIVEN RESET TIMER EQUAL IN ALL RESPECTS TO "TY SA, FORM 2, ROTOTROL, WITH SYNCHRONOUS MOTOR TIME DELAY" AS MANUFACTURED BY THE HEALY-RUFF COMPANY, ST. PAUL, MINN. A 4-1/2" DIAMETER HIGH QUALITY AD- JUSTABLE PRESSURE GAUGE READING FROM ZERO TO 150 POUNDS PER SQUARE INCH SHA BE MOUNTED IN THE PANEL.

LOW WATER CUTOUT RELAY SHALL BE EQUAL TO TYPE LH INDUCTION RELAY AS MANUFAC TURED BY THE B/W CONTROLLER CORPORATION, BIRMINGHAM, MICH., WITH TYPE E2 ELECTRODE HOLDERS AND TWO TYPE EIP SHIELDED STAINLESS STEEL ELECTRODES SUS PENDED ON SW ELECTRODE WIRES.

ALL ELECTRICAL UNITS EXCEPT THE METER, THE TWO SOLENOID OPERATED VALVES, TH LOW WATER CONTROL, THE PUMP MOTOR, THE LOW WATER CONTROL PROBES AND THE MIC SWITCH SHALL BE HOUSED IN ONE WEATHERPROOF CABINET TO BE SURFACE MOUNTED AS INDICATED. CABINET SHALL HAVE LOCKABLE DOORS.

PUMPING STATION

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

CASTLE ROCK COUNTY WATER DISTRICT
WATER SYSTEM

Drawn by J·M·M·, K·H·A· | Scale: as shown

R.E.R. 6-27-5

CON 09 02

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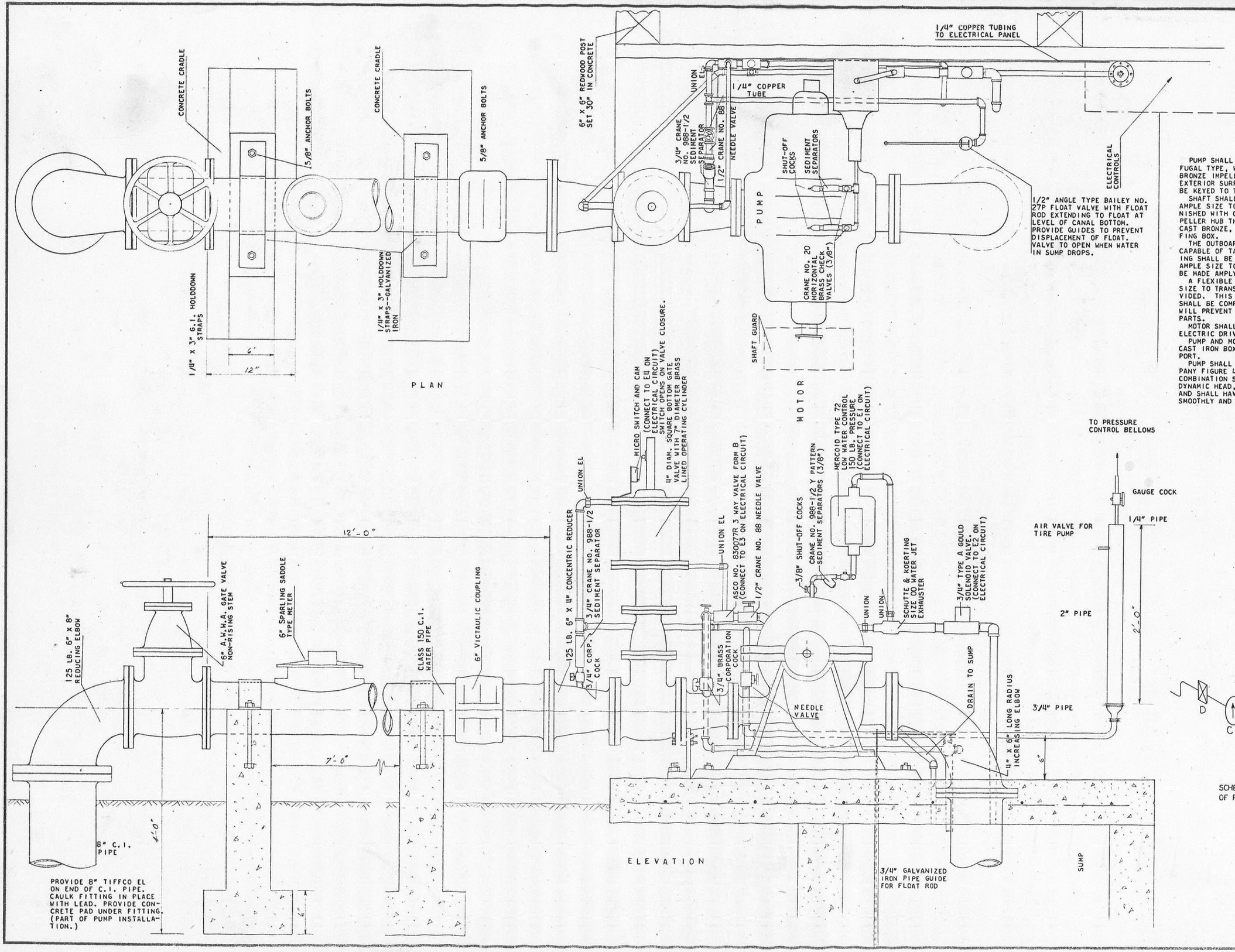


PUMP SPECIFICATIONS

PUMP SHALL BE A TWO-STAGE, HORIZONTAL SHAFT, SPLIT CASE CENTRIFUGAL TYPE, WITH SINGLE SUCTION, ENCLOSED TYPE, BACK TO BACK BRONZE IMPELLERS. INTERIOR WATER PASSAGES SHALL BE HAND FINISHED. EXTERIOR SURFACES OF IMPELLER SHALL BE MACHINED. IMPELLER SHALL BE KEYED TO THE SHAFT AND HELD IN POSITION BY BRONZE SHAFT SLEEVE.

SHAFT SHALL BE HEAT TREATED STEEL, TURNED AND GROUND, AND OF AMPLE SIZE TO TRANSMIT THE POWER REQUIRED. THE SHAFT SHALL BE FINISHED WITH CAST BRONZE PROTECTING SLEEVES EXTENDING FROM THE IMPELLER HUB THROUGH THE STUFFING BOXES. STUFFING BOXES SHALL BE CAST BRONZE, IN 2 PIECES, EASILY REMOVABLE FOR REPACKING THE STUFFING BOX.

THE OUTBOARD END OF THE SHAFT SHALL HAVE DOUBLE ROW BALL BEARING CAPABLE OF TAKING THRUST IN EITHER DIRECTION. A RADIAL BALL BEARING SHALL BE USED ON THE COUPLING END. ALL BEARINGS SHALL BE OF AMPLE SIZE TO PREVENT OVERHEATING. THE INTERMEDIATE BEARING SHALL BE MADE AMPLY LONG TO PREVENT LEAKAGE BETWEEN STAGES.

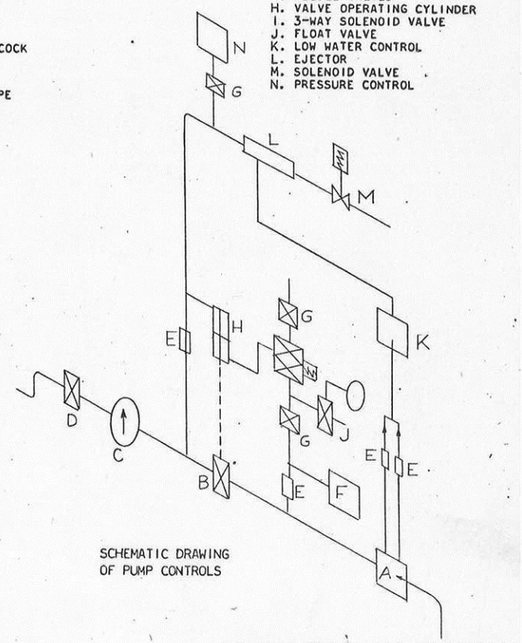
A FLEXIBLE COUPLING, OF THE PIN AND BUSHING TYPE, OF SUFFICIENT SIZE TO TRANSMIT THE POWER REQUIREMENTS OF THE PUMP SHALL BE PROVIDED. THIS COUPLING, AND ALL ROTATING PARTS OF THE INSTALLATION SHALL BE COMPLETELY ENCASED IN A 16 GAUGE SHEET STEEL GUARD THAT WILL PREVENT ACCIDENTAL OR INTENTIONAL TOUCHING OF THE ROTATING PARTS.

MOTOR SHALL BE 50 HORSEPOWER, 1750 RPM, FOR 3 PHASE 220/440 VOLT ELECTRIC DRIVE. MOTOR SHALL HAVE NON-REVERSING PROTECTION.

PUMP AND MOTOR SHALL BE MOUNTED ON A STANDARD BED PLATE OF HEAVY CAST IRON BOX CONSTRUCTION HEAVILY RIBBED TO PROVIDE ADEQUATE SUPPORT.

PUMP SHALL BE EQUAL IN ALL RESPECTS TO AMERICAN WELL WORKS COMPANY FIGURE 4404 4" SUCTION AND 3" DISCHARGE. PUMP AND MOTOR COMBINATION SHALL DELIVER 500 GALLONS PER MINUTE AT 270 FEET TOTAL DYNAMIC HEAD, SHALL DELIVER 200 GALLONS PER MINUTE AT 320 FEET HEAD AND SHALL HAVE CHARACTERISTICS SUCH THAT THE AMOUNT PUMPED CAN BE SMOOTHLY AND EFFECTIVELY REGULATED BY THROTTLING THE DISCHARGE.

A. PUMP
B. CYLINDER OPERATED VALVE
C. METER
D. HAND OPERATED VALVE
E. STRAINERS
F. PRESSURE SWITCH
G. NEEDLE VALVES
H. VALVE OPERATING CYLINDER
I. 3-WAY SOLENOID VALVE
J. FLOAT VALVE
K. LOW WATER CONTROL
L. EJECTOR
M. SOLENOID VALVE
N. PRESSURE CONTROL



SCHEMATIC DRAWING OF PUMP CONTROLS

PUMPING STATION

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

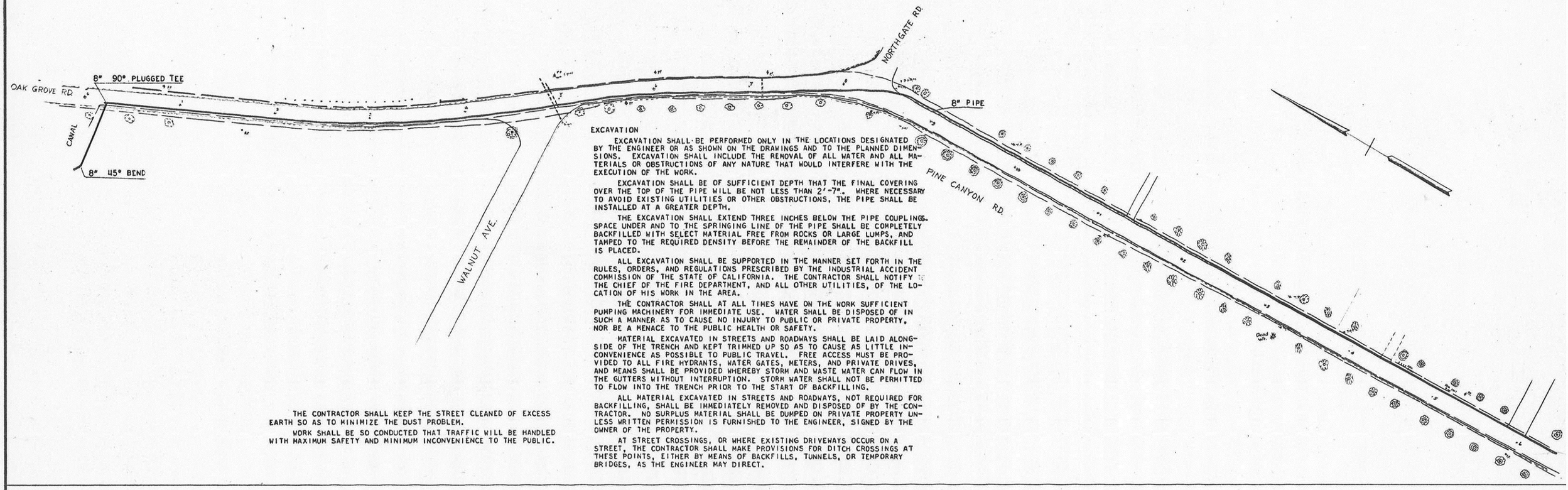
CASTLE ROCK COUNTY WATER DISTRICT

WATER SYSTEM

Drawn by J·M·M·, K·H·A· | Scale: 1" = 1'

R E Ramseier 6-27

CON 09 02



EXCAVATION

EXCAVATION SHALL BE PERFORMED ONLY IN THE LOCATIONS DESIGNATED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS AND TO THE PLANNED DIMENSIONS. EXCAVATION SHALL INCLUDE THE REMOVAL OF ALL WATER AND ALL MATERIALS OR OBSTRUCTIONS OF ANY NATURE THAT WOULD INTERFERE WITH THE EXECUTION OF THE WORK.

EXCAVATION SHALL BE OF SUFFICIENT DEPTH THAT THE FINAL COVERING OVER THE TOP OF THE PIPE WILL BE NOT LESS THAN 2'-7". WHERE NECESSARY TO AVOID EXISTING UTILITIES OR OTHER OBSTRUCTIONS, THE PIPE SHALL BE INSTALLED AT A GREATER DEPTH.

THE EXCAVATION SHALL EXTEND THREE INCHES BELOW THE PIPE COUPLINGS. SPACE UNDER AND TO THE SPRINGING LINE OF THE PIPE SHALL BE COMPLETELY BACKFILLED WITH SELECT MATERIAL FREE FROM ROCKS OR LARGE LUMPS, AND TAMPED TO THE REQUIRED DENSITY BEFORE THE REMAINDER OF THE BACKFILL IS PLACED.

ALL EXCAVATION SHALL BE SUPPORTED IN THE MANNER SET FORTH IN THE RULES, ORDERS, AND REGULATIONS PRESCRIBED BY THE INDUSTRIAL ACCIDENT COMMISSION OF THE STATE OF CALIFORNIA. THE CONTRACTOR SHALL NOTIFY THE CHIEF OF THE FIRE DEPARTMENT, AND ALL OTHER UTILITIES, OF THE LOCATION OF HIS WORK IN THE AREA.

THE CONTRACTOR SHALL AT ALL TIMES HAVE ON THE WORK SUFFICIENT PUMPING MACHINERY FOR IMMEDIATE USE. WATER SHALL BE DISPOSED OF IN SUCH A MANNER AS TO CAUSE NO INJURY TO PUBLIC OR PRIVATE PROPERTY, NOR BE A MENACE TO THE PUBLIC HEALTH OR SAFETY.

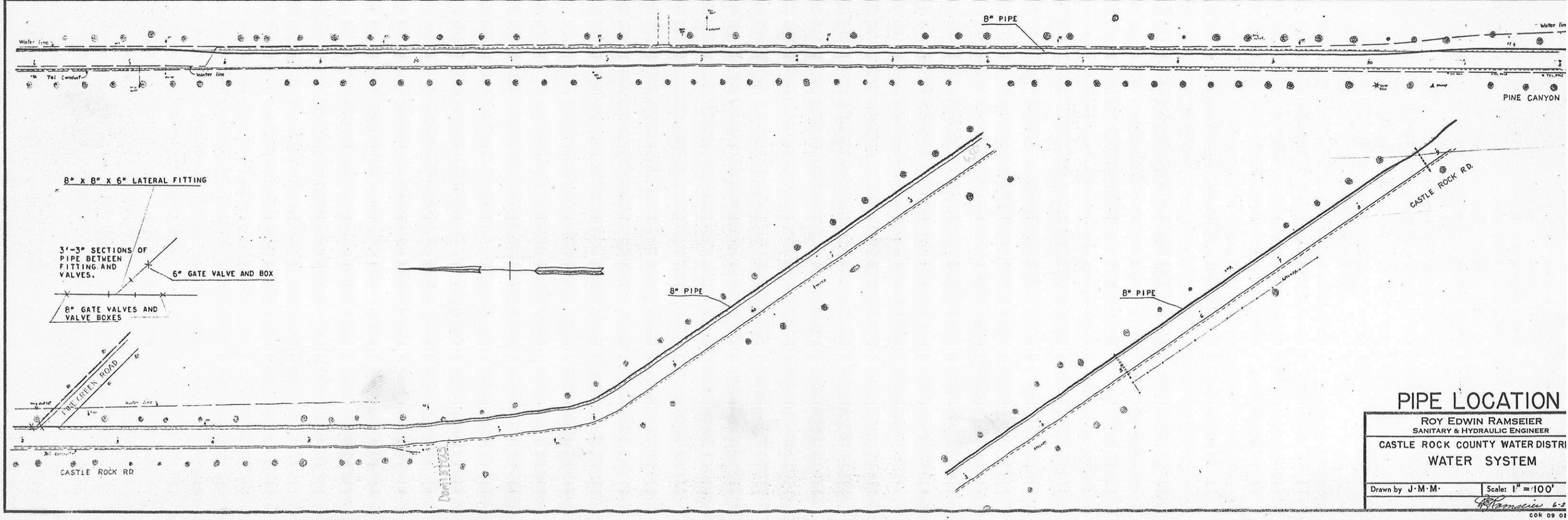
MATERIAL EXCAVATED IN STREETS AND ROADWAYS SHALL BE LAID ALONGSIDE OF THE TRENCH AND KEPT TRIMMED UP SO AS TO CAUSE AS LITTLE INCONVENIENCE AS POSSIBLE TO PUBLIC TRAVEL. FREE ACCESS MUST BE PROVIDED TO ALL FIRE HYDRANTS, WATER GATES, METERS, AND PRIVATE DRIVES, AND MEANS SHALL BE PROVIDED WHEREBY STORM AND WASTE WATER CAN FLOW IN THE GUTTERS WITHOUT INTERRUPTION. STORM WATER SHALL NOT BE PERMITTED TO FLOW INTO THE TRENCH PRIOR TO THE START OF BACKFILLING.

ALL MATERIAL EXCAVATED IN STREETS AND ROADWAYS, NOT REQUIRED FOR BACKFILLING, SHALL BE IMMEDIATELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. NO SURPLUS MATERIAL SHALL BE DUMPED ON PRIVATE PROPERTY UNLESS WRITTEN PERMISSION IS FURNISHED TO THE ENGINEER, SIGNED BY THE OWNER OF THE PROPERTY.

AT STREET CROSSINGS, OR WHERE EXISTING DRIVEWAYS OCCUR ON A STREET, THE CONTRACTOR SHALL MAKE PROVISIONS FOR DITCH CROSSINGS AT THESE POINTS, EITHER BY MEANS OF BACKFILLS, TUNNELS, OR TEMPORARY BRIDGES, AS THE ENGINEER MAY DIRECT.

THE CONTRACTOR SHALL KEEP THE STREET CLEANED OF EXCESS EARTH SO AS TO MINIMIZE THE DUST PROBLEM.

WORK SHALL BE SO CONDUCTED THAT TRAFFIC WILL BE HANDLED WITH MAXIMUM SAFETY AND MINIMUM INCONVENIENCE TO THE PUBLIC.



PIPE LOCATION

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

CASTLE ROCK COUNTY WATER DISTRI

WATER SYSTEM

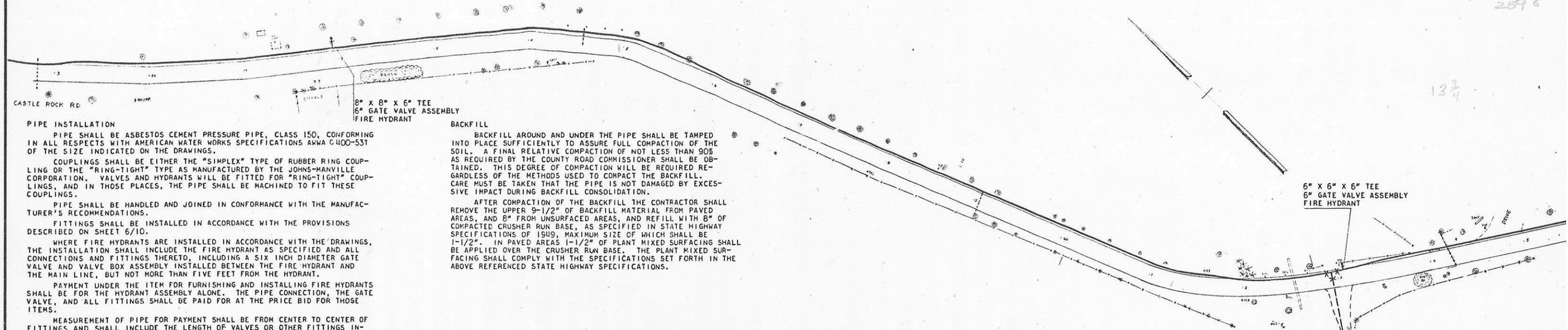
Drawn by J·M·M·

Scale: 1" = 100'

R. E. Ramseier 6-2

CON 09 08

1395
1200
2596



PIPE INSTALLATION

PIPE SHALL BE ASBESTOS CEMENT PRESSURE PIPE, CLASS 150, CONFORMING IN ALL RESPECTS WITH AMERICAN WATER WORKS SPECIFICATIONS AWWA C400-53T OF THE SIZE INDICATED ON THE DRAWINGS.

COUPLINGS SHALL BE EITHER THE "SIMPLEX" TYPE OF RUBBER RING COUPLING OR THE "RING-TIGHT" TYPE AS MANUFACTURED BY THE JOHNS-MANVILLE CORPORATION. VALVES AND HYDRANTS WILL BE FITTED FOR "RING-TIGHT" COUPLINGS, AND IN THOSE PLACES, THE PIPE SHALL BE MACHINED TO FIT THESE COUPLINGS.

PIPE SHALL BE HANDLED AND JOINED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS DESCRIBED ON SHEET 6/10.

WHERE FIRE HYDRANTS ARE INSTALLED IN ACCORDANCE WITH THE DRAWINGS, THE INSTALLATION SHALL INCLUDE THE FIRE HYDRANT AS SPECIFIED AND ALL CONNECTIONS AND FITTINGS THERETO, INCLUDING A SIX INCH DIAMETER GATE VALVE AND VALVE BOX ASSEMBLY INSTALLED BETWEEN THE FIRE HYDRANT AND THE MAIN LINE, BUT NOT MORE THAN FIVE FEET FROM THE HYDRANT.

PAYMENT UNDER THE ITEM FOR FURNISHING AND INSTALLING FIRE HYDRANTS SHALL BE FOR THE HYDRANT ASSEMBLY ALONE. THE PIPE CONNECTION, THE GATE VALVE, AND ALL FITTINGS SHALL BE PAID FOR AT THE PRICE BID FOR THOSE ITEMS.

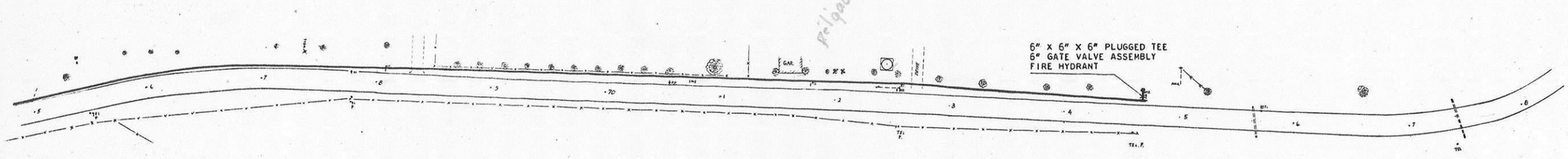
MEASUREMENT OF PIPE FOR PAYMENT SHALL BE FROM CENTER TO CENTER OF FITTINGS AND SHALL INCLUDE THE LENGTH OF VALVES OR OTHER FITTINGS INSTALLED IN THE LINES.

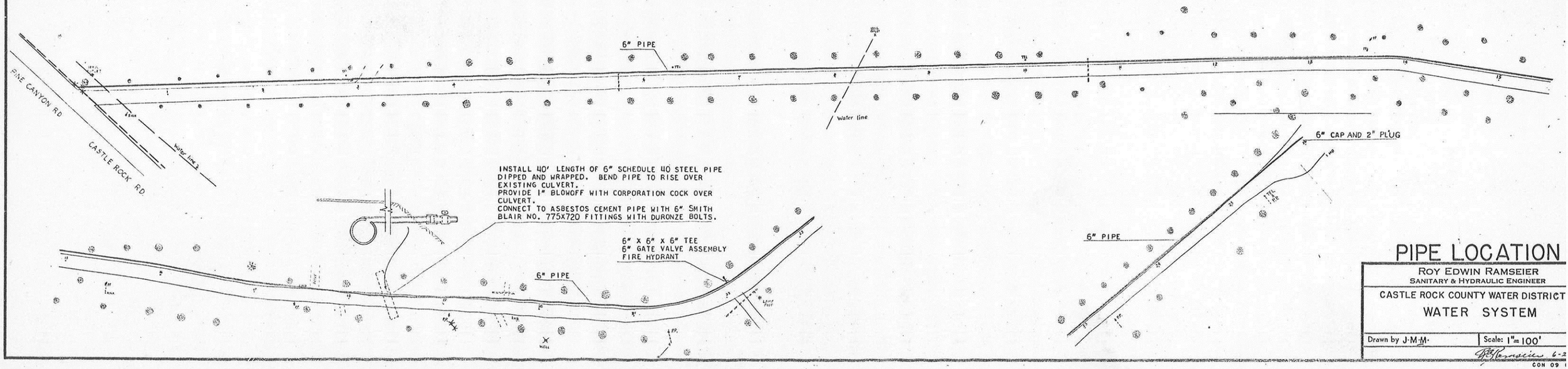
WHERE PLUGS ARE REQUIRED IN ANY FITTING, THEY SHALL BE CONSIDERED AS A PART OF THE FITTING AND THEIR COST SHALL BE INCLUDED IN THE PRICE BID FOR THE FITTING.

BACKFILL

BACKFILL AROUND AND UNDER THE PIPE SHALL BE TAMPED INTO PLACE SUFFICIENTLY TO ASSURE FULL COMPACTION OF THE SOIL. A FINAL RELATIVE COMPACTION OF NOT LESS THAN 90% AS REQUIRED BY THE COUNTY ROAD COMMISSIONER SHALL BE OBTAINED. THIS DEGREE OF COMPACTION WILL BE REQUIRED REGARDLESS OF THE METHODS USED TO COMPACT THE BACKFILL. CARE MUST BE TAKEN THAT THE PIPE IS NOT DAMAGED BY EXCESSIVE IMPACT DURING BACKFILL CONSOLIDATION.

AFTER COMPACTION OF THE BACKFILL THE CONTRACTOR SHALL REMOVE THE UPPER 9-1/2" OF BACKFILL MATERIAL FROM PAVED AREAS, AND 8" FROM UNSURFACED AREAS, AND REFILL WITH 8" OF COMPACTED CRUSHER RUN BASE, AS SPECIFIED IN STATE HIGHWAY SPECIFICATIONS OF 1949, MAXIMUM SIZE OF WHICH SHALL BE 1-1/2". IN PAVED AREAS 1-1/2" OF PLANT MIXED SURFACING SHALL BE APPLIED OVER THE CRUSHER RUN BASE. THE PLANT MIXED SURFACING SHALL COMPLY WITH THE SPECIFICATIONS SET FORTH IN THE ABOVE REFERENCED STATE HIGHWAY SPECIFICATIONS.





PIPE LOCATION

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

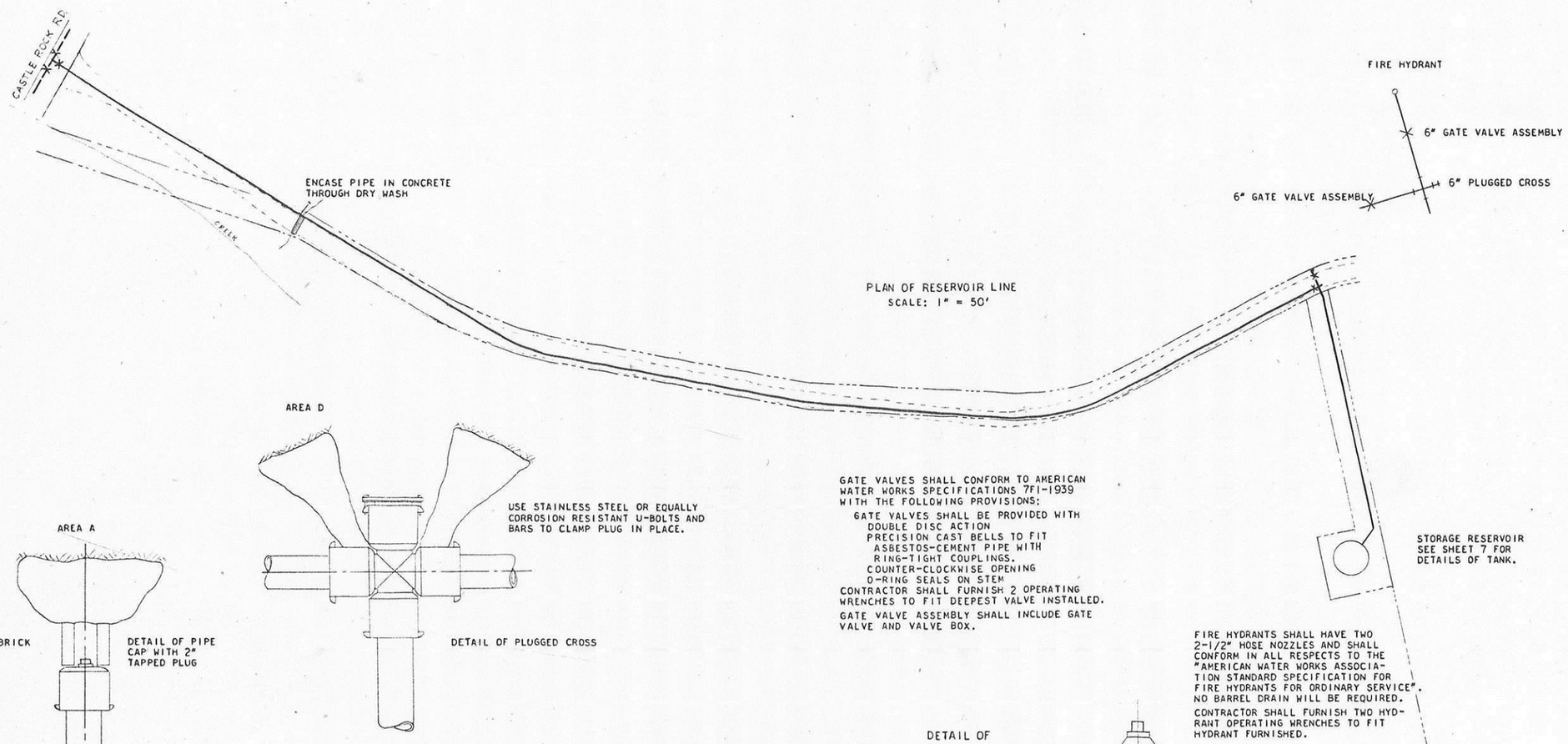
CASTLE ROCK COUNTY WATER DISTRICT
WATER SYSTEM

Drawn by J.M.M. | Scale: 1"=100'

R.E. Ramseier 6-2

CON 09

550'



PLAN OF RESERVOIR LINE
SCALE: 1" = 50'

FIRE HYDRANT

GATE VALVES SHALL CONFORM TO AMERICAN WATER WORKS SPECIFICATIONS 7F1-1939 WITH THE FOLLOWING PROVISIONS:

GATE VALVES SHALL BE PROVIDED WITH
- DOUBLE DISC ACTION
- PRECISION CAST BELLS TO FIT ASBESTOS-CEMENT PIPE WITH RING-TIGHT COUPLINGS.
- COUNTER-CLOCKWISE OPENING
- O-RING SEALS ON STEM

CONTRACTOR SHALL FURNISH 2 OPERATING WRENCHES TO FIT DEEPEST VALVE INSTALLED.

GATE VALVE ASSEMBLY SHALL INCLUDE GATE VALVE AND VALVE BOX.

FIRE HYDRANTS SHALL HAVE TWO 2-1/2" HOSE NOZZLES AND SHALL CONFORM IN ALL RESPECTS TO THE "AMERICAN WATER WORKS ASSOCIATION STANDARD SPECIFICATION FOR FIRE HYDRANTS FOR ORDINARY SERVICE". NO BARREL DRAIN WILL BE REQUIRED.

CONTRACTOR SHALL FURNISH TWO HYDRANT OPERATING WRENCHES TO FIT HYDRANT FURNISHED.

AREA D

USE STAINLESS STEEL OR EQUALLY CORROSION RESISTANT U-BOLTS AND BARS TO CLAMP PLUG IN PLACE.

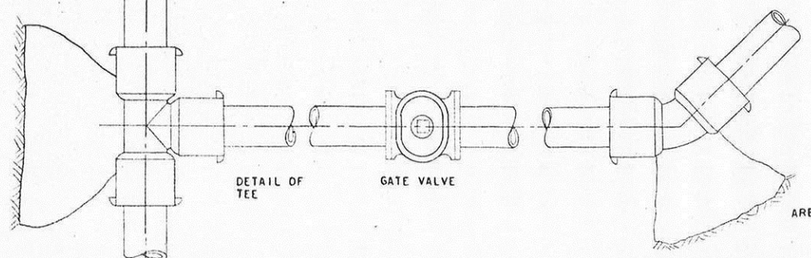
DETAIL OF PLUGGED CROSS

AREA A

BRICK

DETAIL OF PIPE CAP WITH 2" TAPPED PLUG

AREA B



DETAIL OF TEE

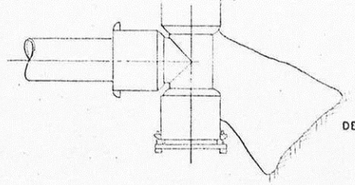
GATE VALVE

AREA B

DETAIL OF 45° BEND
NO SCALE

AREA OF CONCRETE THRUST BLOCK AGAINST UNDISTURBED EARTH (SQUARE FEET)

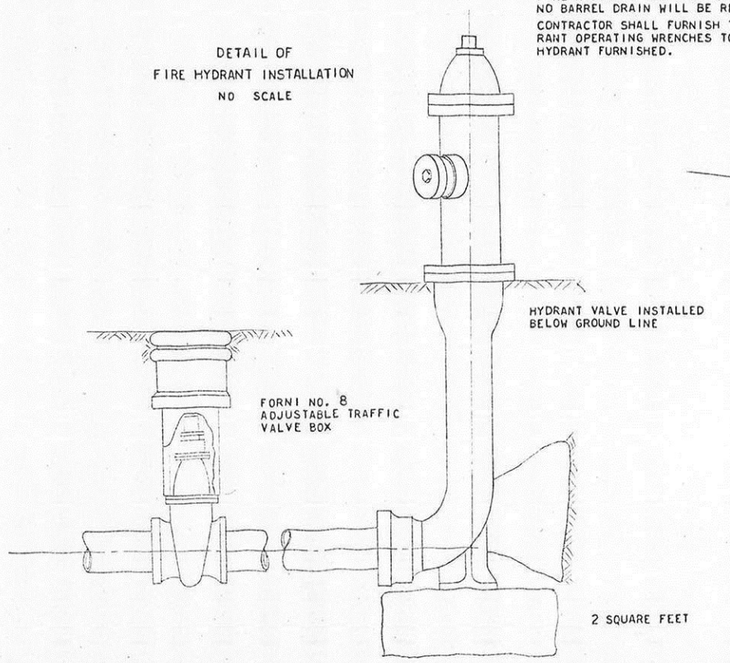
FITTING	LETTER	6"	8"
END CAP	A	2	3
TEE OR BEND	B	2	2
PLUGGED TEE	C	2	3
PLUGGED CROSS	D	1	1



DETAIL OF PLUGGED TEE

AREA C

DETAIL OF
FIRE HYDRANT INSTALLATION
NO SCALE



PIPE LOCATION FITTINGS DETAIL

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

CASTLE ROCK COUNTY WATER DISTRICT

WATER SYSTEM

Drawn by J·M·M· | Scale: as shown

R.E. Ramseier 6-2

CON 09 02

525

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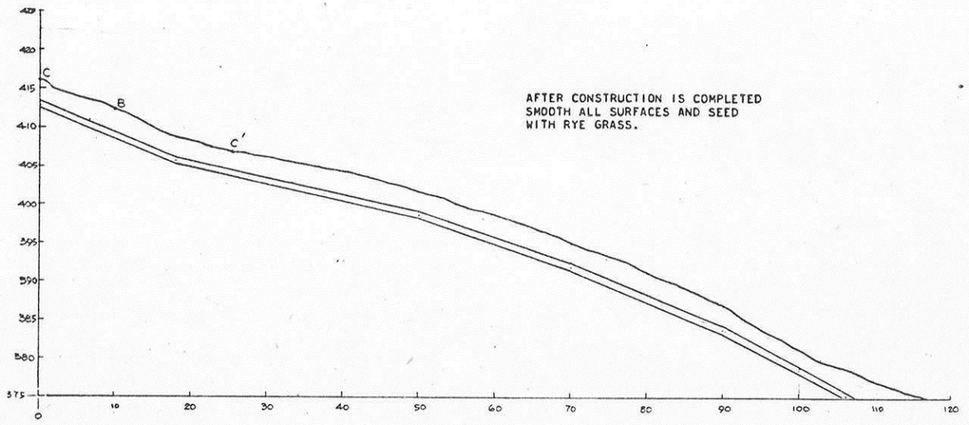
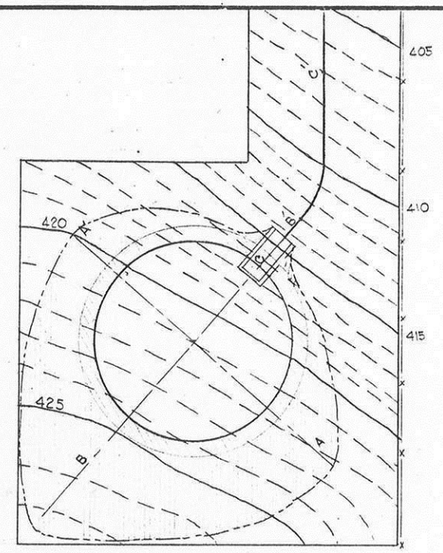
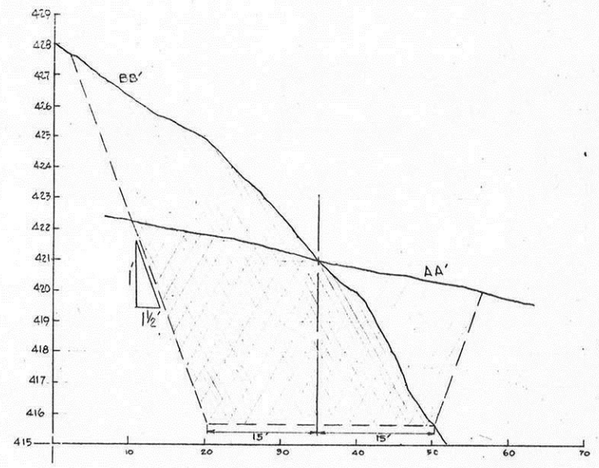


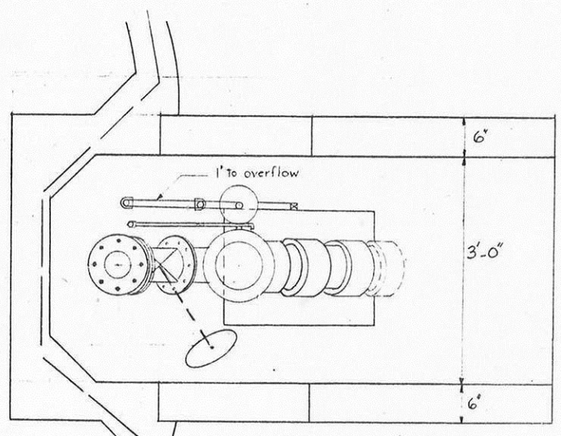
PROFILE OF DISCHARGE AND FILLING LINE



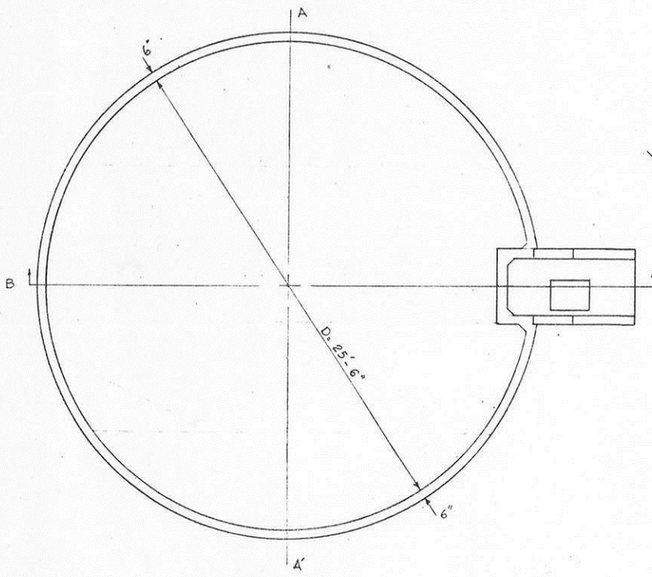
PLOT PLAN
SCALE: 1" = 20'



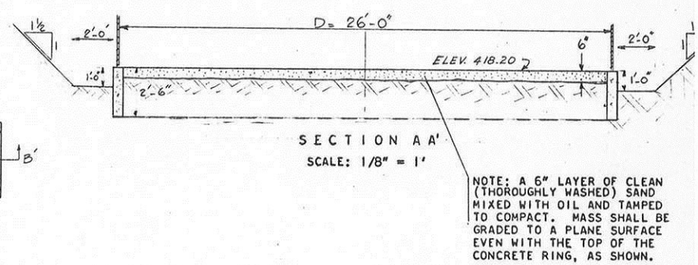
PROFILE OF EXCAVATION ALONG B B' AND A A'



PLAN
SCALE: 1/2" = 1'

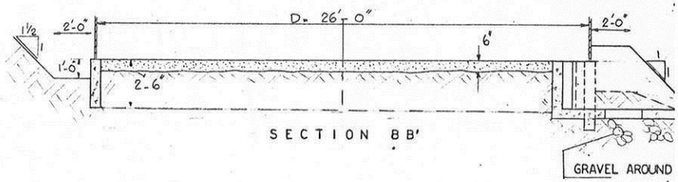


PLAN
SCALE: 1/8" = 1'

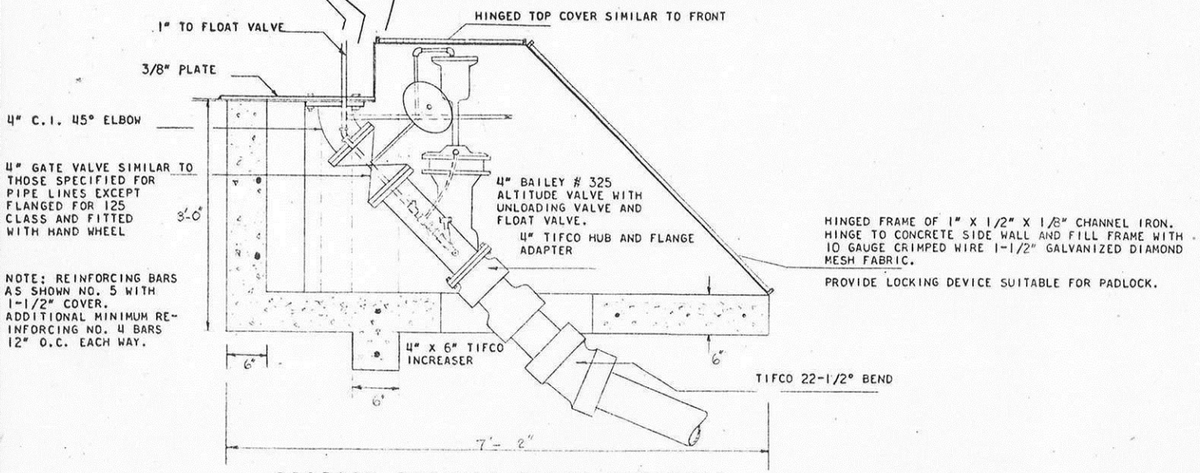


SECTION AA'
SCALE: 1/8" = 1'

NOTE: A 6" LAYER OF CLEAN (THOROUGHLY WASHED) SAND MIXED WITH OIL AND TAMPED TO COMPACT. MASS SHALL BE GRADED TO A PLANE SURFACE EVEN WITH THE TOP OF THE CONCRETE RING, AS SHOWN.



SECTION BB'



SECTION THROUGH VALVE ASSEMBLY
SCALE: 1/2" = 1'

RESERVOIR DETAI

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

CASTLE ROCK COUNTY WATER DISTRIC

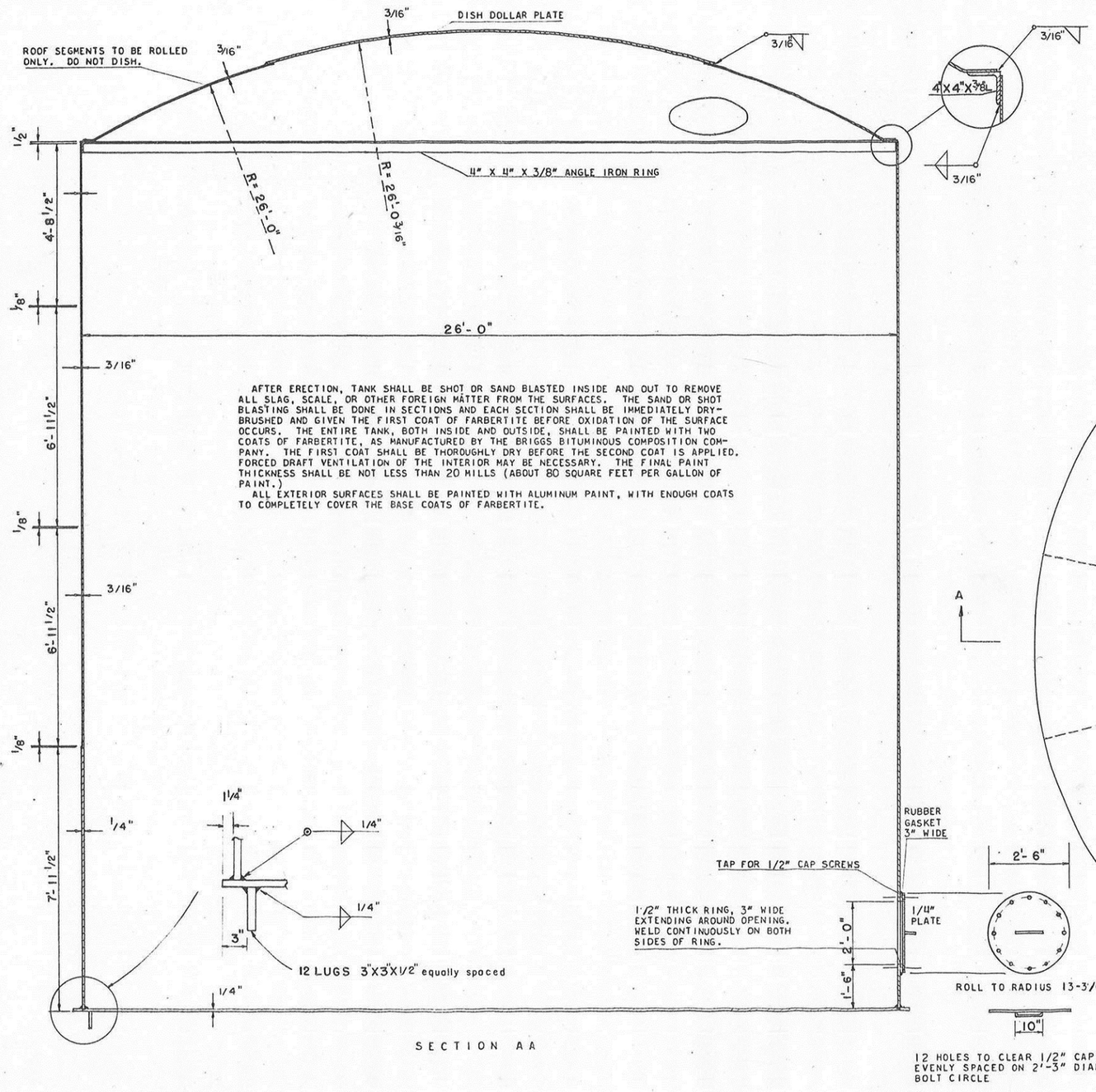
WATER SYSTEM

Drawn by K. H. A. | Scale: as shown

R. Ramseier 6-2

CON 09 02

ALL EDGES TO BE WELDED SHALL BE CLEANED OF SLAG, RUST, SCALE, OR OTHER FOREIGN MATTER, AND SHALL BE TACK WELDED PRIOR TO FINAL WELDING. WELDING SHALL BE BY THE ELECTRICAL SHIELD-ARC METHOD. BUTT WELDS OF PLATES SHALL BE BUILT UP WITH SEVERAL DEPOSITS OF METAL TO SECURE THE ANNEALING EFFECT OF EACH SUCCESSIVE DEPOSIT.

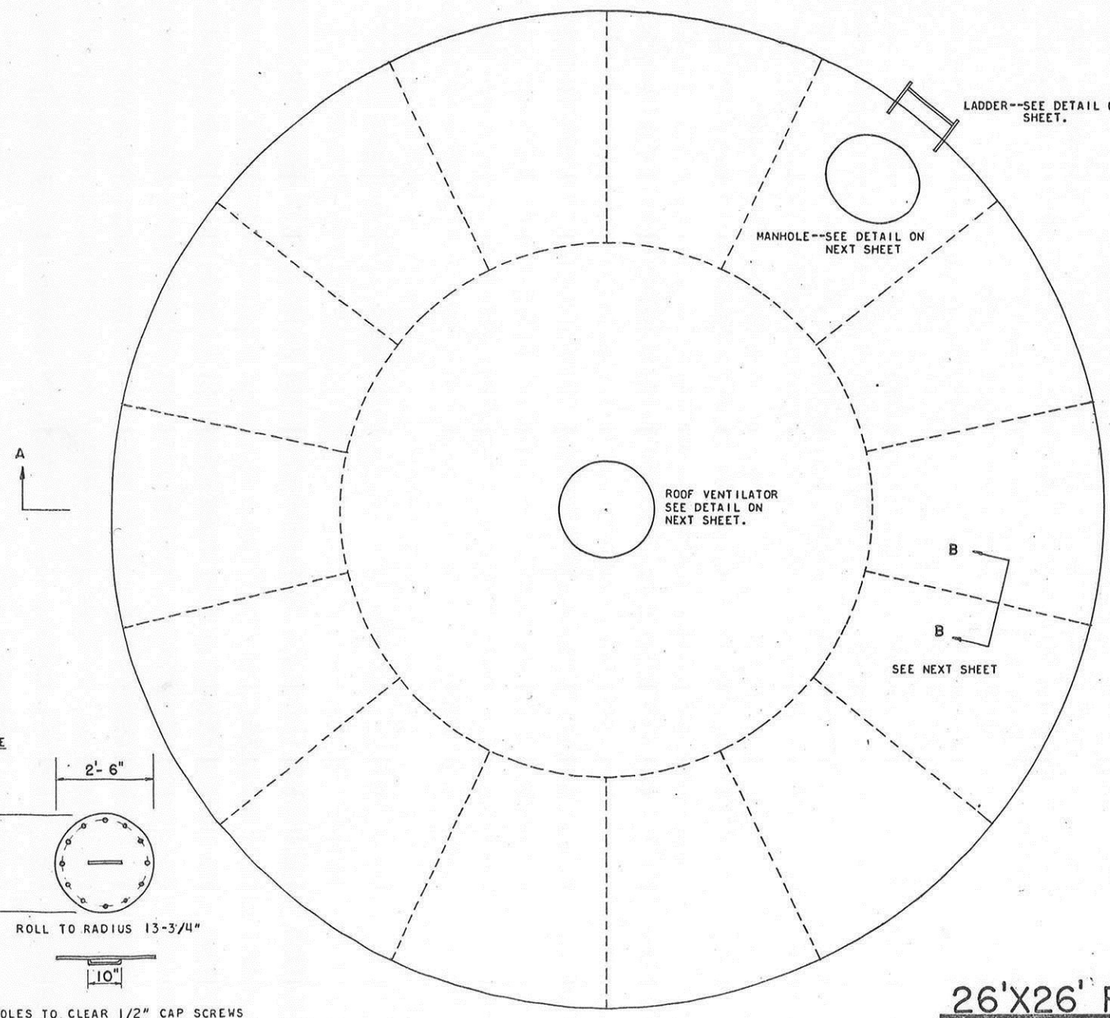


AFTER ERECTION, TANK SHALL BE SHOT OR SAND BLASTED INSIDE AND OUT TO REMOVE ALL SLAG, SCALE, OR OTHER FOREIGN MATTER FROM THE SURFACES. THE SAND OR SHOT BLASTING SHALL BE DONE IN SECTIONS AND EACH SECTION SHALL BE IMMEDIATELY DRY-BRUSHED AND GIVEN THE FIRST COAT OF FARBERTITE BEFORE OXIDATION OF THE SURFACE OCCURS. THE ENTIRE TANK, BOTH INSIDE AND OUTSIDE, SHALL BE PAINTED WITH TWO COATS OF FARBERTITE, AS MANUFACTURED BY THE BRIGGS BITUMINOUS COMPOSITION COMPANY. THE FIRST COAT SHALL BE THOROUGHLY DRY BEFORE THE SECOND COAT IS APPLIED. FORCED DRAFT VENTILATION OF THE INTERIOR MAY BE NECESSARY. THE FINAL PAINT THICKNESS SHALL BE NOT LESS THAN 20 MILLS (ABOUT 80 SQUARE FEET PER GALLON OF PAINT.)

ALL EXTERIOR SURFACES SHALL BE PAINTED WITH ALUMINUM PAINT, WITH ENOUGH COATS TO COMPLETELY COVER THE BASE COATS OF FARBERTITE.

SECTION AA

12 HOLES TO CLEAR 1/2" CAP SCREWS EVENLY SPACED ON 2'-3" DIAMETER BOLT CIRCLE



PLAN OF TOP

26'X26' RESERVO

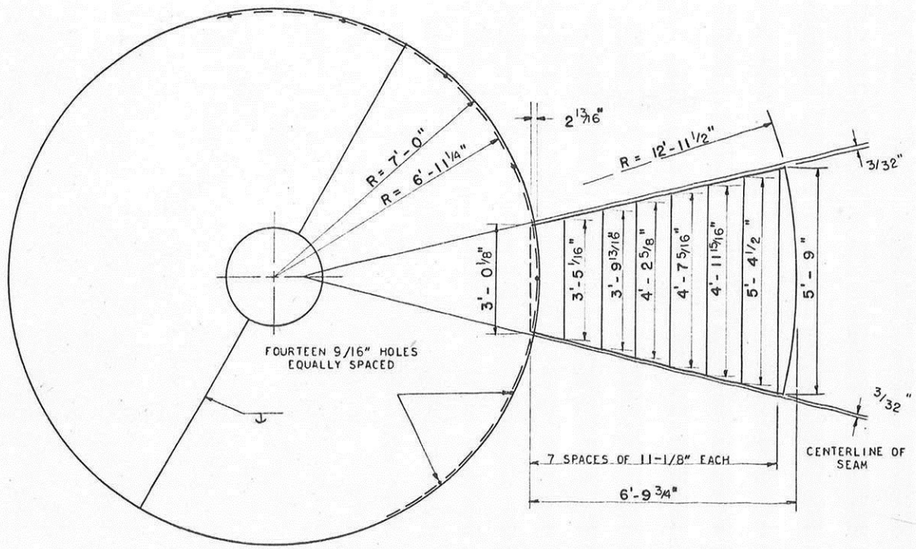
ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

CASTLE ROCK COUNTY WATER DISTR

WATER SYSTEM

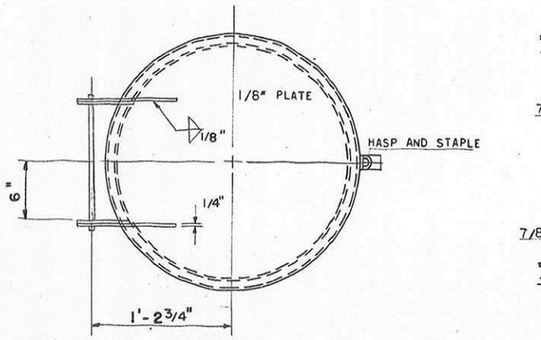
Drawn by K·H·A· | Scale: 1"= 4'

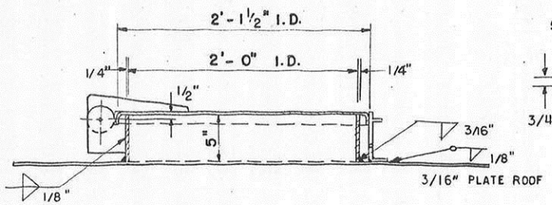
GON 09 02



DEVELOPMENT OF DOLLAR PLATE AND ROOF SEGMENT

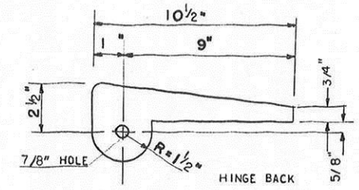
SCALE: 1/4" = 1'



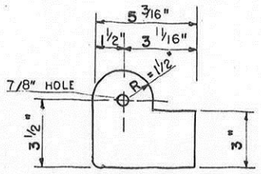


DETAIL OF ENTRANCE HATCH

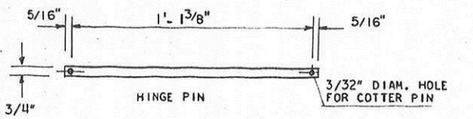
SCALE: 3/4" = 1'



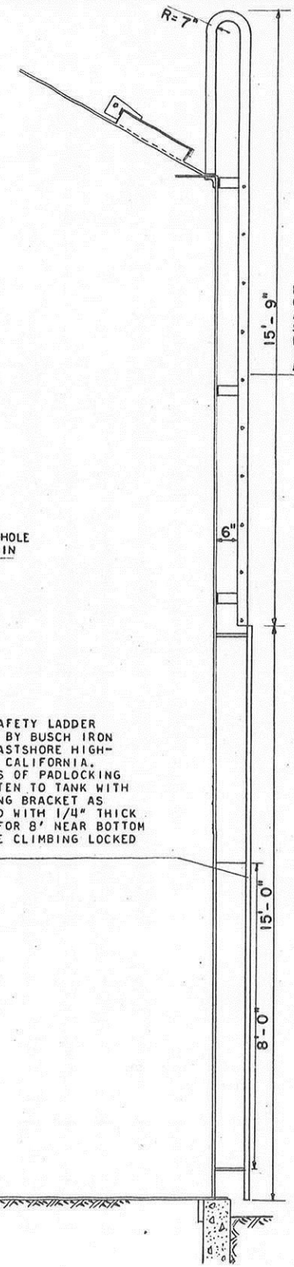
HINGE BACK



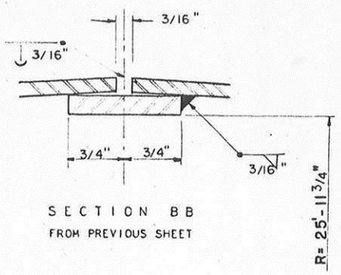
HINGE PAD



HINGE PIN

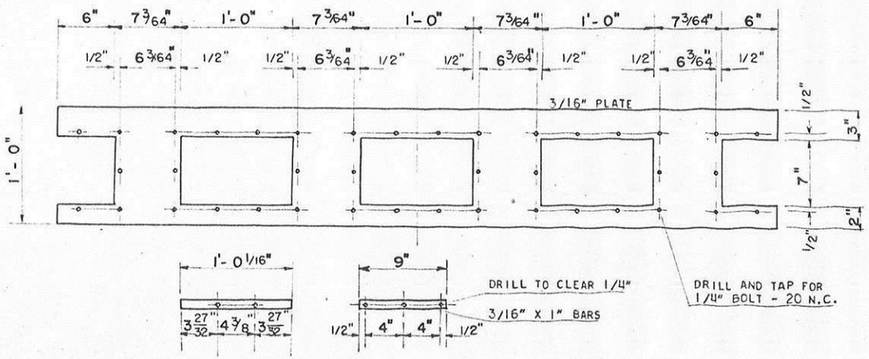


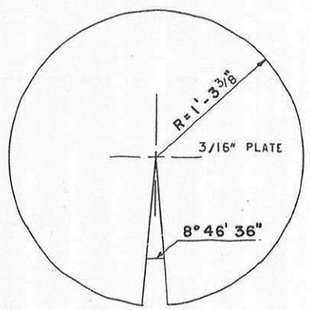
15" SUNGAR SAFETY LADDER MANUFACTURED BY BUSCH IRON WORKS, 542 EASTSHORE HIGHWAY, ALBANY, CALIFORNIA. PROVIDE MEANS OF PADLOCKING LADDER. FASTEN TO TANK WITH UPPER MOUNTING BRACKET AS REQUIRED, AND WITH 1/4" THICK PLATE SOLID FOR 8' NEAR BOTTOM TO DISCOURAGE CLIMBING LOCKED LADDER.



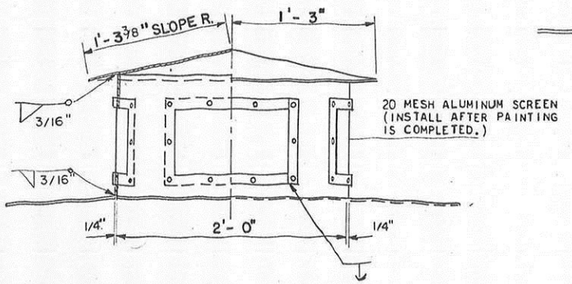
SECTION BB

FROM PREVIOUS SHEET





DEVELOPMENT OF VENTILATOR ROOF



RESERVOIR DETAI

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

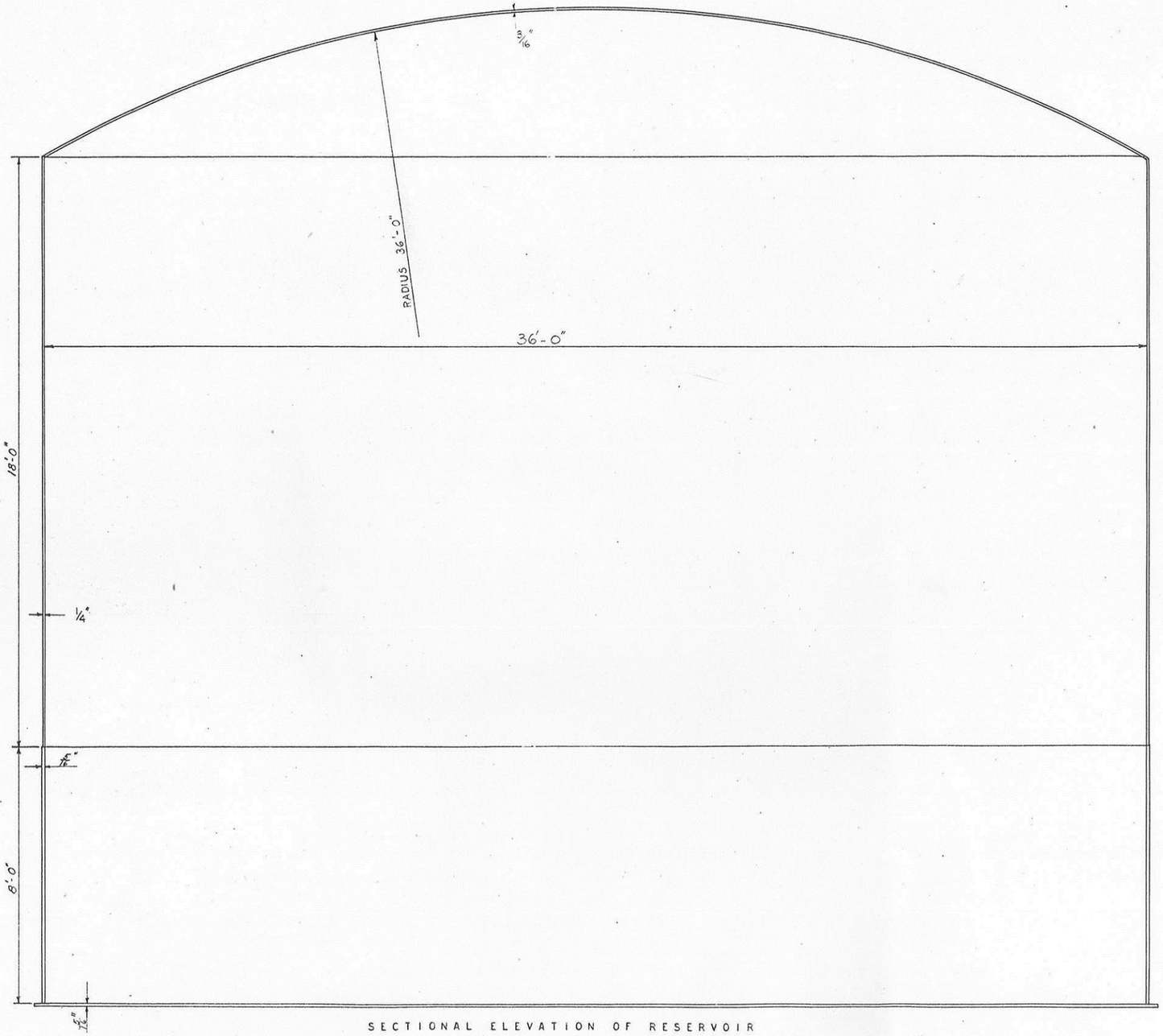
CASTLE ROCK COUNTY WATER DISTR

WATER SYSTEM

Drawn by K·H·A· | Scale: as shown

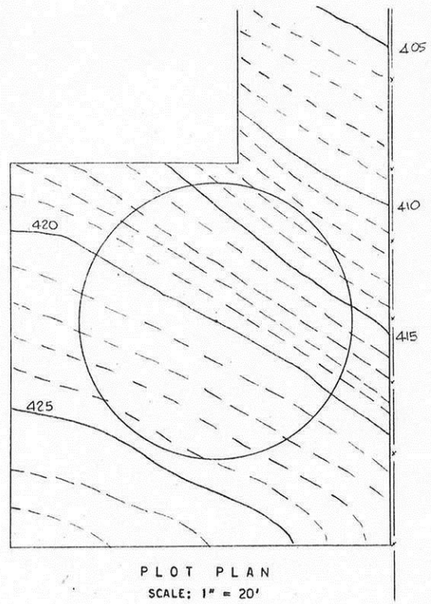
R Ramseier 6-2

CON 09 C



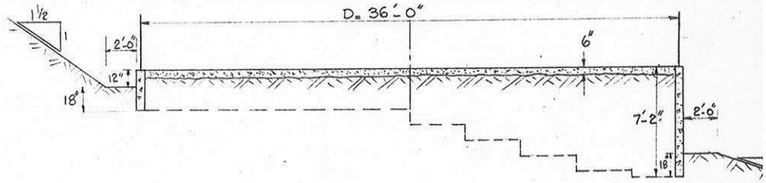
SECTIONAL ELEVATION OF RESERVOIR

SCALE: 1" = 4'



PLOT PLAN

SCALE: 1" = 20'



SECTION THROUGH FOUNDATION

SCALE: 1" = 10'

ALTERNATE RESERVOIR DESIGN

CONTRACTOR SHALL PRESENT AN ALTERNATE BID FOR RESERVOIR 36'-0" DIAMETER X 26'-0" DEPTH. ALL DETAILS OF VENTILATORS, HATCH, LADDER, INLET AND OUTLET PIPES, AND ALL SPECIFICATIONS NOT SPECIFICALLY SHOWN ON THIS DRAWING SHALL BE THE SAME AS SPECIFIED FOR THE 26'-0" DIAMETER X 26'-0" DEPTH TANK.

ALTERNATE
36'X26' RESERVO

ROY EDWIN RAMSEIER
SANITARY & HYDRAULIC ENGINEER

CASTLE ROCK COUNTY WATER DISTRIC

WATER SYSTEM

Drawn by J·M·M· | Scale: as shown

R E Ramseier 6-2

CON 09 02