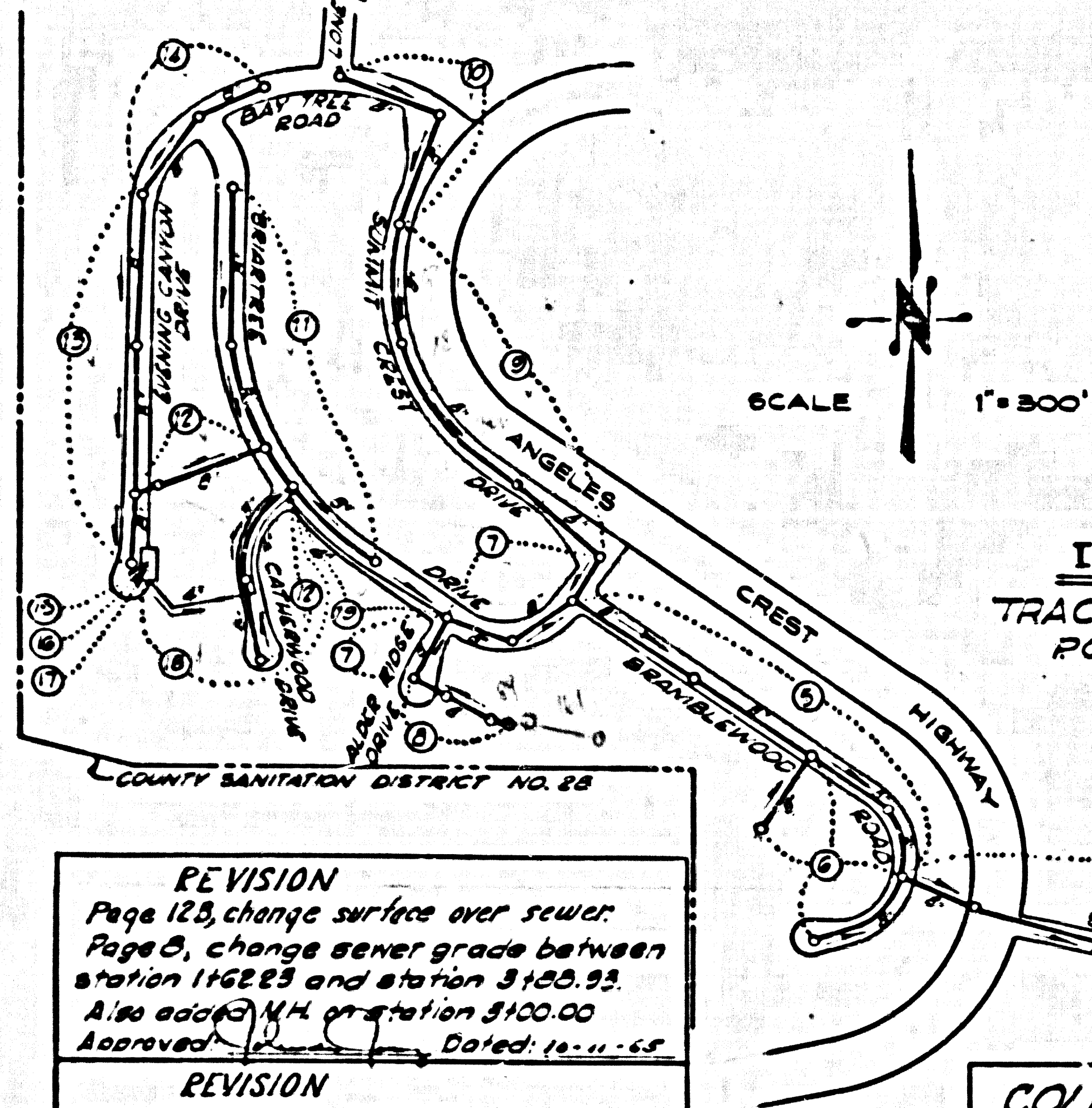


B.M. BY 4223 ELEV. 1848.691

CHIS SOUTH AT EAST END OF CONCRETE HEADWALL TO EQUATE MAIN UNDERPASS 370' MIN. OF ENTR. TO LA CANADA C.C. 20' 5" OF CNTR. OF ALIQUOT 12.7' MIN. FROM P.C. TO LA CANADA QUAD. 19 65



INDEX MAP
TRACT NO 29701
P.C. 7312

REVISION
Page 8, extend main line sewer approximately 150' Easterly into Lot 71. Also add M.H. at station 5+48.85
Approved: [Signature] Dated: 12-7-65

REVISION
Page 2 and 3, revise sewer pipe size and alignment between Sta. 2+38.04 and Sta. 15+11.30
Page 4, revise grade between Sta. 15+11.30 and Sta. 20+00.16
To avoid Street Drain
Approved: [Signature] Dated: 12-7-65

REVISION
Page 12B, change surface over sewer.
Page 8, change sewer grade between station 1+62.23 and station 3+00.93.
Also add M.H. at station 3+00.00
Approved: [Signature] Dated: 12-11-65

REVISION
Page 2, sections A & B revised sewer alignment under the existing sewer on Farming Tree Dr. (P.C. 6167).
Approved: [Signature] Dated: 7-7-65

COLLECT CHARGES AS INDICATED
W. G. Jan 4/65

DOUBLE SCALE
MONTROSE BLDG. DIST. NO. 31

PROFILE ALIGNMENT AND GRADE OF
SANITARY SEWERS PAGE 1

TRACT NO 29701
PRIVATE CONTRACT NO. 7312

W.S. 88
11 SHEETS, 13 PAGES
SCALE: HORIZ. 1" = 40'
VERT. 1" = 4'
MAY 1965
PREPARED IN THE OFFICE OF
MCINTIRE INC.
SURVEYING & ENGINEERING
38294
FOR LEGEND SEE PLAN NO. S-64

- NOTES:
1. PROFILE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT 20' INTERVALS TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
 2. NO REPRESENTATIVE OF THE COUNTY ENGINEER WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
 3. THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND V.C.P.'S AND SHALL PROVIDE STAKES FOR THEM AT THESE PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT ANGLES FROM THE MAIN LINE UNLESS OTHERWISE SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT HAVE AN ANGLE OF MORE THAN 45° WITH THE MAIN LINE UNLESS ANY CHANGE IN ALIGNMENT SHALL BE SPECIFICALLY NOTED BY THE PRIVATE ENGINEER.
 4. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL SEWER AT THE PROPERTY LINE BELOW THE TOP OF CHIS ELEVATION FOR EACH HOUSE LATERAL ON THE SEWER MAIN.
 5. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
 6. THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER BY TELEPHONE, MAIL OR BY MAIL AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 7. MANHOLES SHALL BE EXIST STRUCTURES PER S-1. PRECAST CONCRETE MANHOLES PER S-2, OR S-1 - C MAN IF USED AS AN ALTERNATE IN LOCATIONS APPROVED BY THE COUNTY ENGINEER.
 8. THE CONTRACTOR SHALL FURNISH AND COVER, S-1'S, EXCEPT AS NOTED.
 9. MANHOLES TOPS IN UNIMPROVED AREAS SHALL BE 18" ABOVE FINISHED GRADE.
 10. USE EXTRA STRENGTH PIPE AND FITS IN 24" DIA. SEWER EXCEPT AS NOTED.
 11. USE MECHANICAL COMPRESSION JOINTS PER S-1, S-2, OR S-1 - C MAN IF USED.
 12. WHERE EVER GROUND WATER IS ENCOUNTERED DURING THE CONSTRUCTION OF THE SEWER, THE V.C.P. JOINTS SHALL BE OF JOINT MECHANICAL COMPRESSION JOINTS PER S-1, S-2, OR S-1 - C MAN IF USED.
 13. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED, PER S-2 - B. *TOP FIT ON OTHER SIDE FROM THE POINT OF INTERFERENCE.
 14. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAIN LINE OF HOUSE LATERAL V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-2 - B UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER.
 15. HOUSE LATERALS TO BE CONSTRUCTED WITH SEWER AT PROPERTY LINE... *SEE SHOW CHIS GRADE EXCEPT AS NOTED.
 16. REINFORCE ALL TRENCHES WITHIN PAVED AREAS TO MEET LA COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
 17. FOR ADVISORY GRADES TEST USE FORMULA $H.C. \times \frac{1}{100}$, PER S-1, S-2, OR S-1 - C MAN IF USED.
 18. ALL STAKE AND LOCAL TRUTH SAFETY CHAINS WILL BE RIGIDLY ENFORCED.
 19. ALL MAIN AND HOUSE LATERALS SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE COUNTY ENGINEER. APPROVAL OF THE PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OR OF THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THE PROJECT. THIS NOTE APPLIES TO ALL PAGES.
 20. IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 880 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
- FIGURES IN CIRCLES AT ENDS OF HOUSE LATERALS INDICATE HOUSE LATERALS SHALL BE CONSTRUCTED WITH 1/4" RISE PER FOOT TO PROPERTY LINE.
- NO CONNECTIONS FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS WITHOUT WRITTEN PERMISSION FROM THE CHIEF ENGINEER AND GENERAL MANAGER OF THE COUNTY SANITATION DISTRICTS.

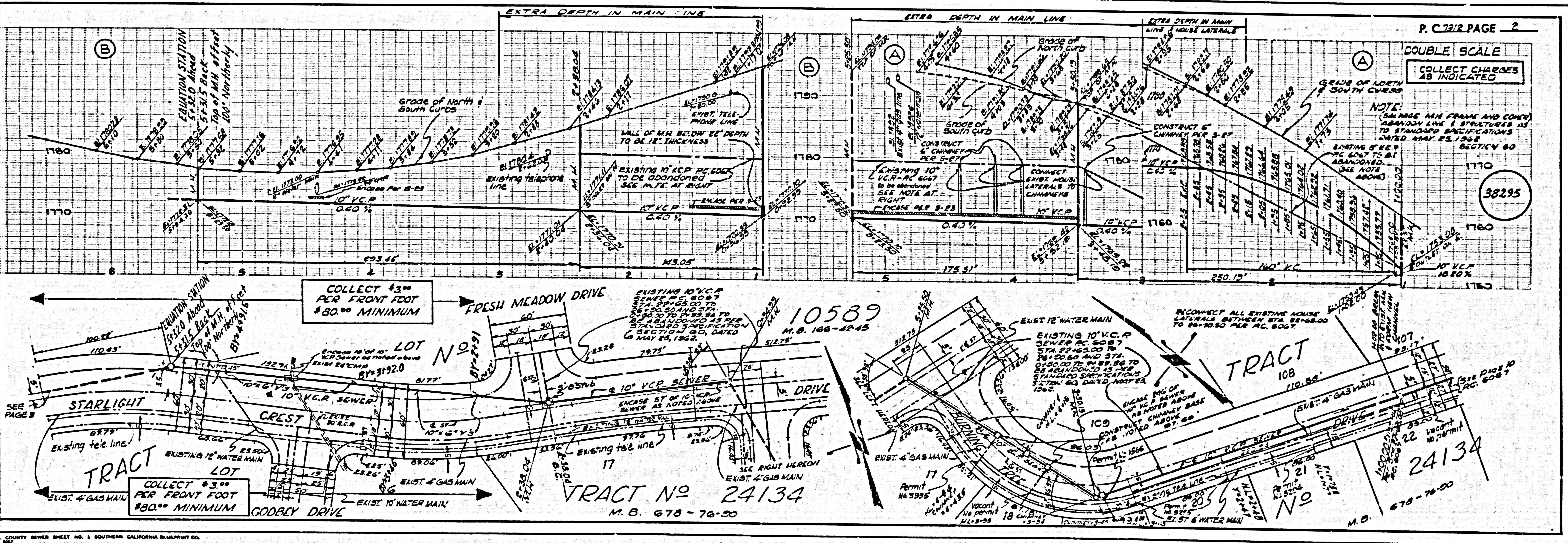
GRABE TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILE. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED SEWERAGE LINE AND STREET OR ALLEY A STRAIGHT LINE SHALL BE SET WITHIN AND INDICATED POINTS.

THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS COUNTY ENGINEER AND SHALL BE PROMPTLY TO STANDARD SPECIFICATIONS DATED MAY 25, 1962, ON FILE IN THE OFFICE OF THE COUNTY ENGINEER AND SHALL BE PROMPTLY TO STANDARD SPECIFICATIONS DATED MAY 25, 1962, ON FILE IN THE OFFICE OF THE COUNTY ENGINEER.

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

IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 880 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.

COUNTY OF LOS ANGELES, CALIFORNIA
JOHN A. LAMME, COUNTY ENGINEER
I. D. PARKHURST, CHIEF ENGINEER
APPROVED BY: [Signature]
SUBMITTED BY: [Signature]
CHECKED BY: [Signature]



P.C. 7312 PAGE 2
DOUBLE SCALE

COLLECT CHARGES AS INDICATED

38295

COLLECT \$3.00 PER FRONT FOOT \$80.00 MINIMUM

TRACT NO 24134
M.B. 678-76-20

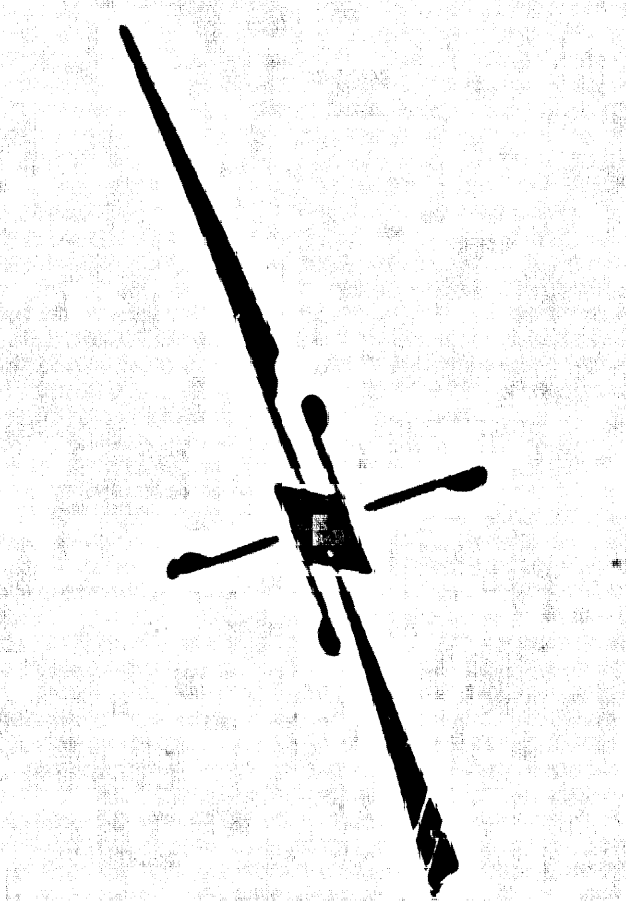
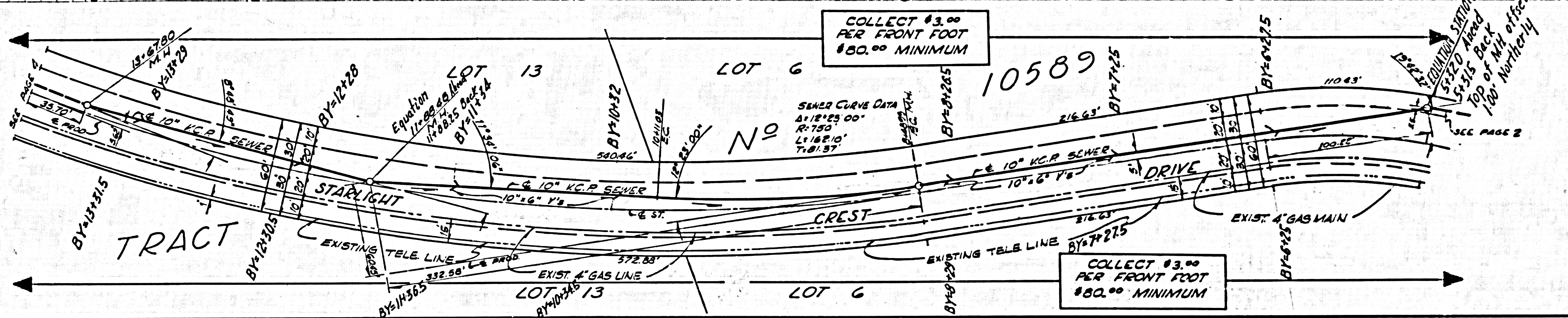
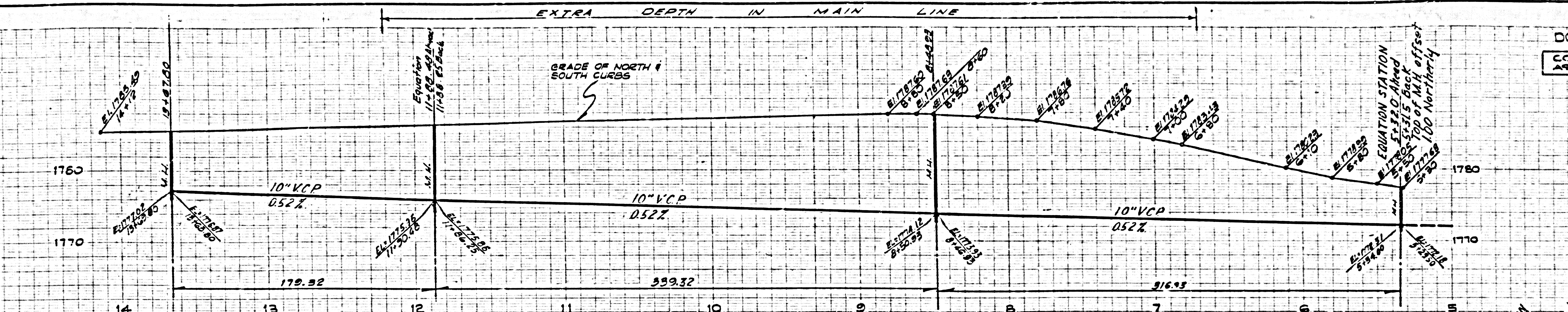
TRACT 108

TRACT 109

TRACT 107

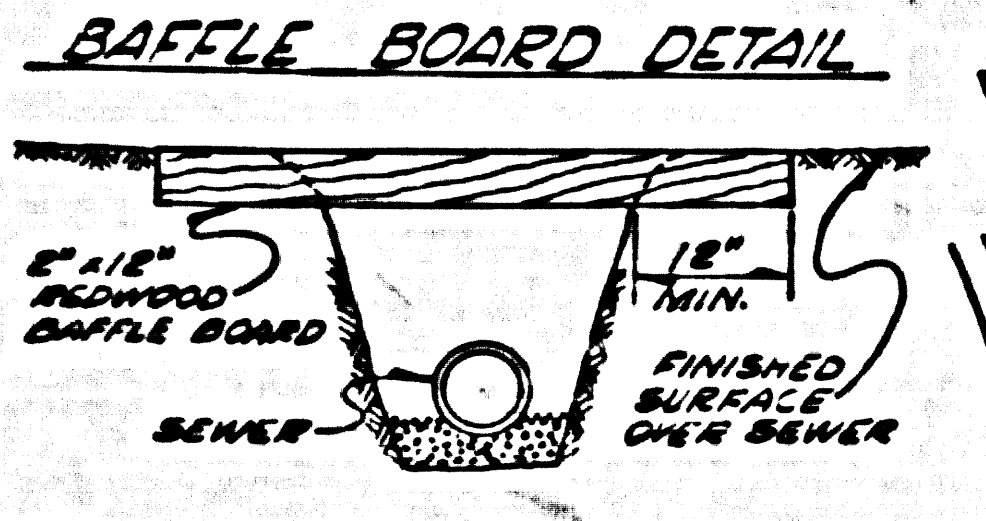
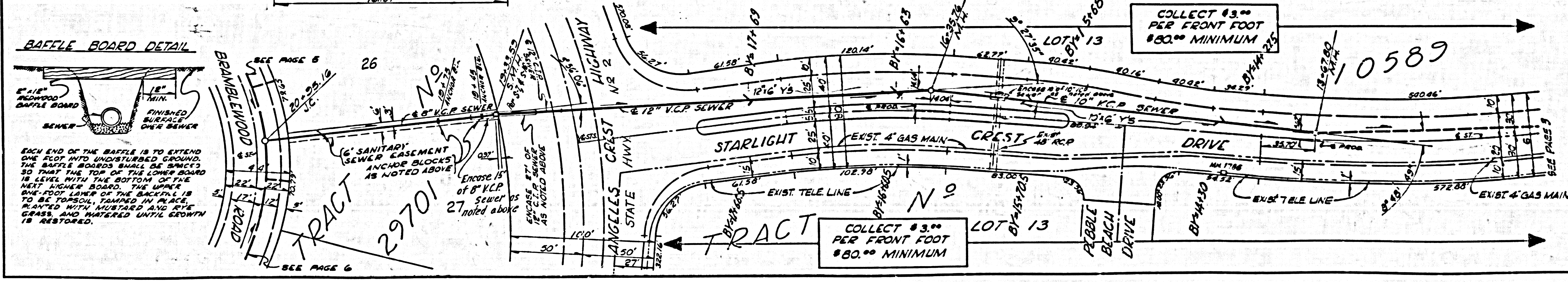
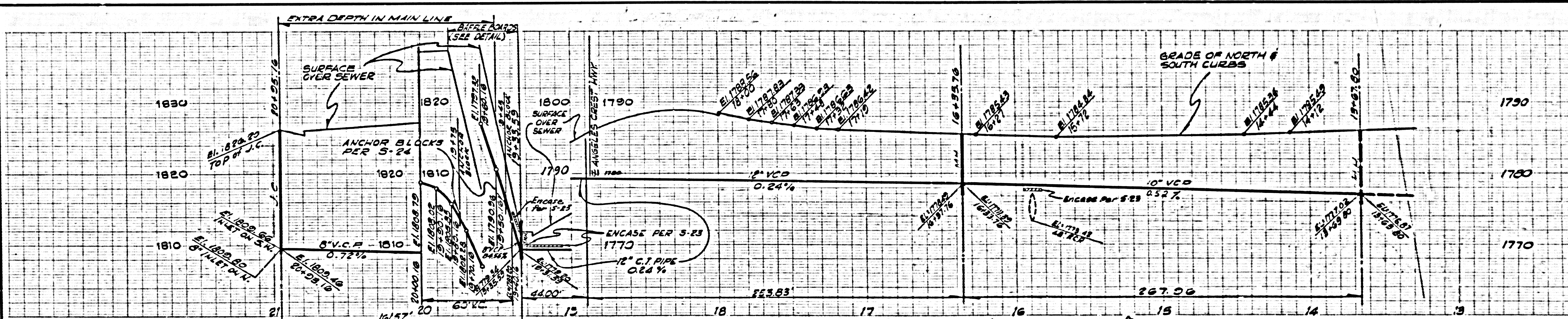
DOUBLE SCALE
COLLECT CHARGES
AS INDICATED

38296

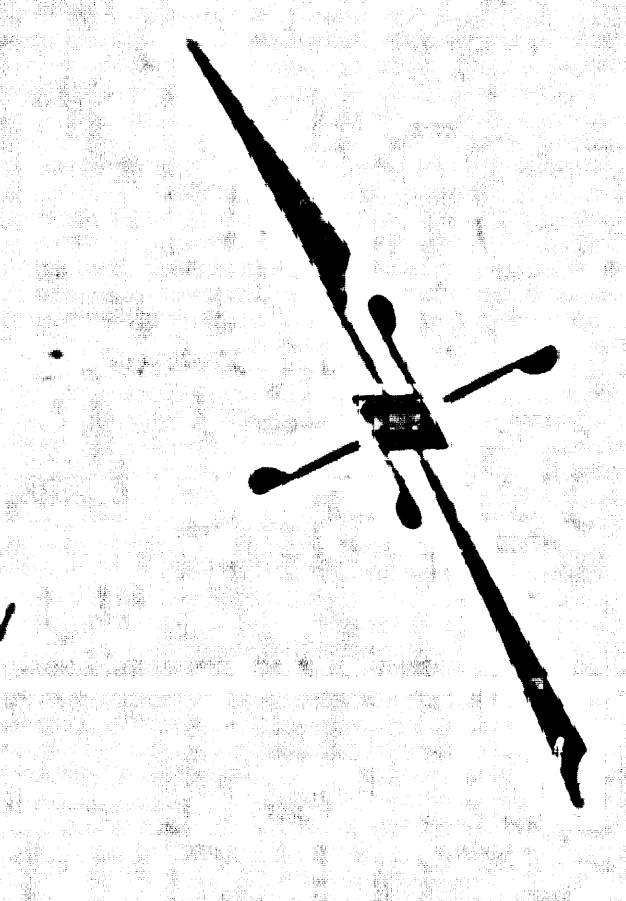


DOUBLE SCALE
COLLECT CHARGES
AS INDICATED

38297

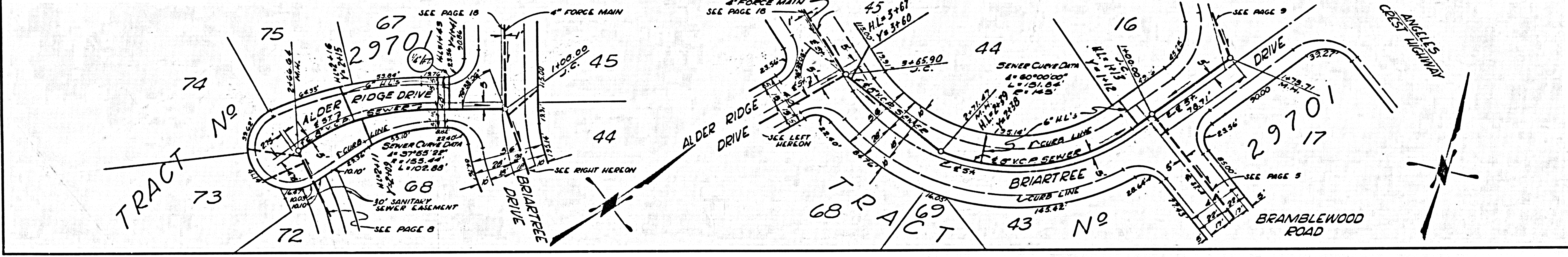
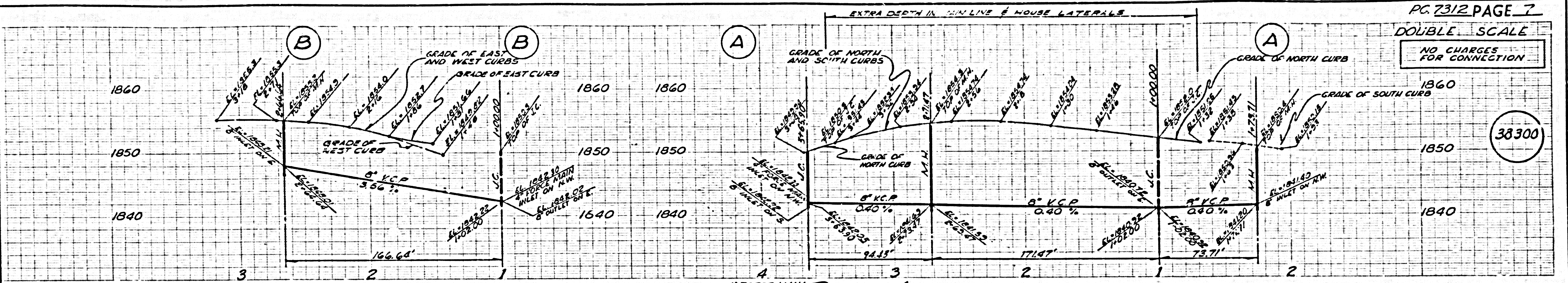


EACH END OF THE BAFFLE IS TO EXTEND ONE FOOT INTO UNDISTURBED GROUND. THE BAFFLE BOARDS SHALL BE SPACED SO THAT THE TOP OF THE LOWER BOARD IS LEVEL WITH THE BOTTOM OF THE NEXT HIGHER BOARD. THE UPPER ONE-FOOT LAYER OF THE BACKFILL IS TO BE TOPSOIL, TAMPED IN PLACE, PLANTED WITH MUSTARD AND SET GRASS, AND WATERED UNTIL GROWTH IS RESTORED.



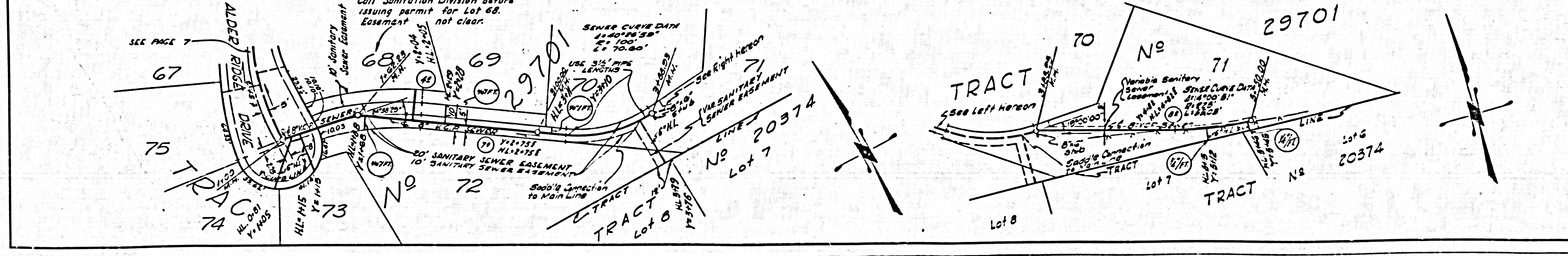
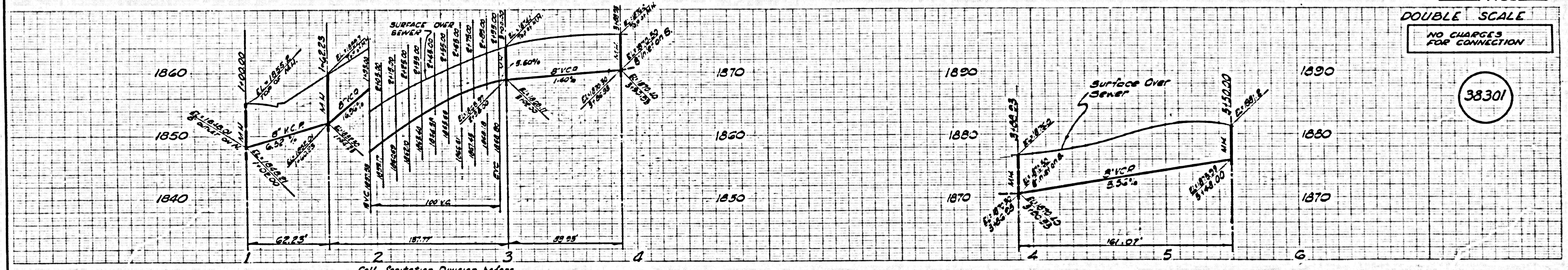
NO CHARGES FOR CONNECTION

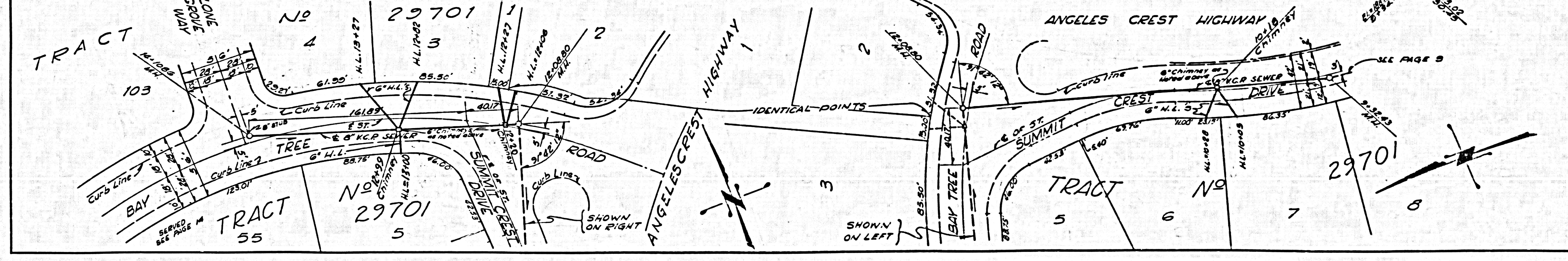
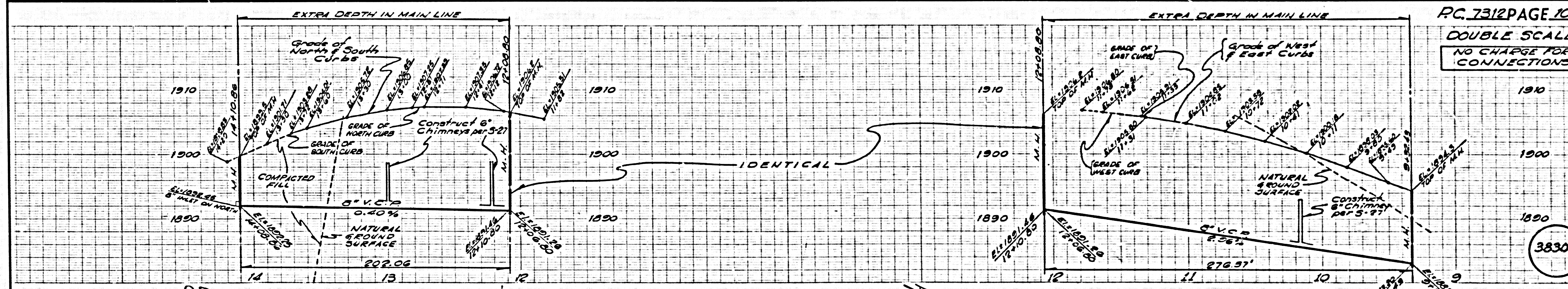
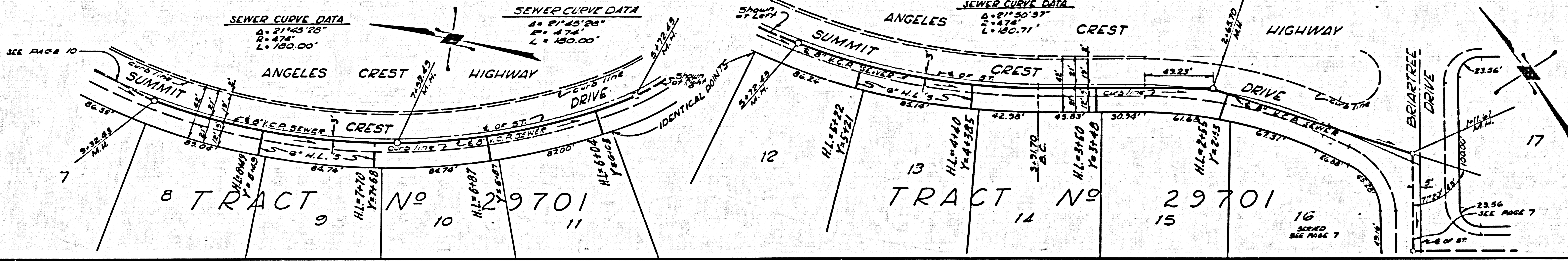
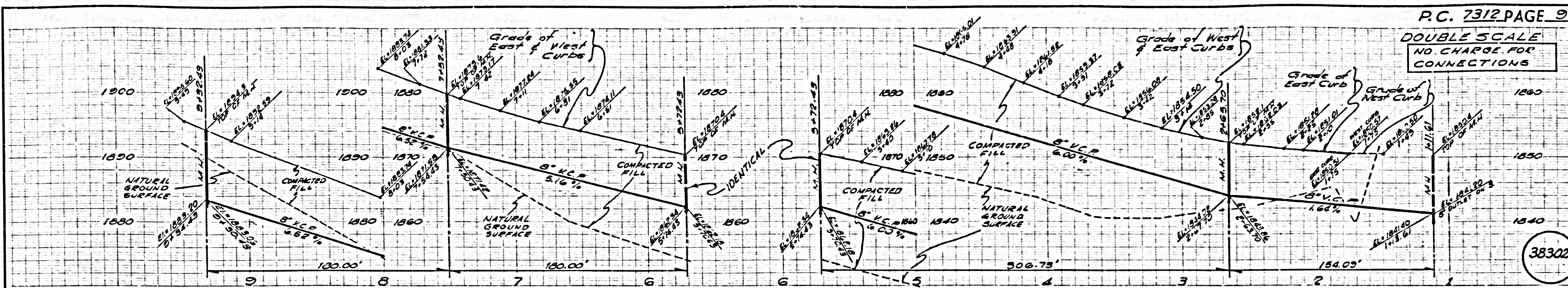
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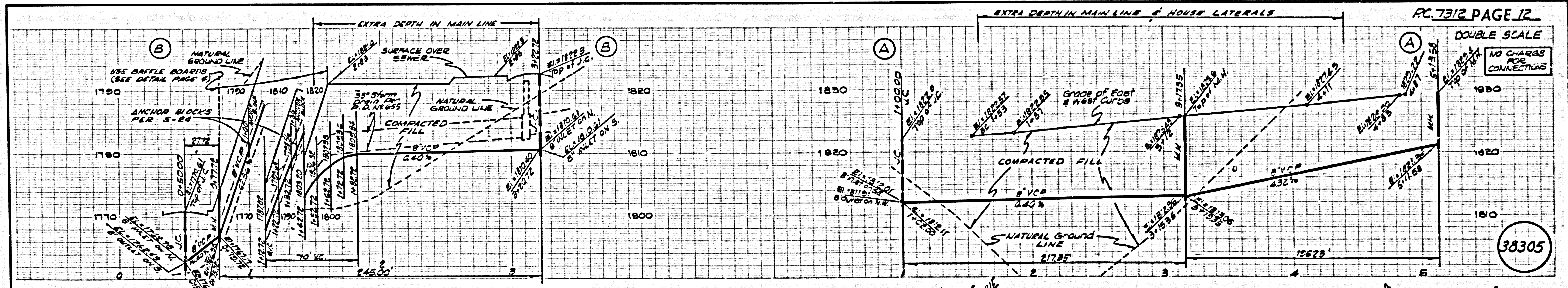
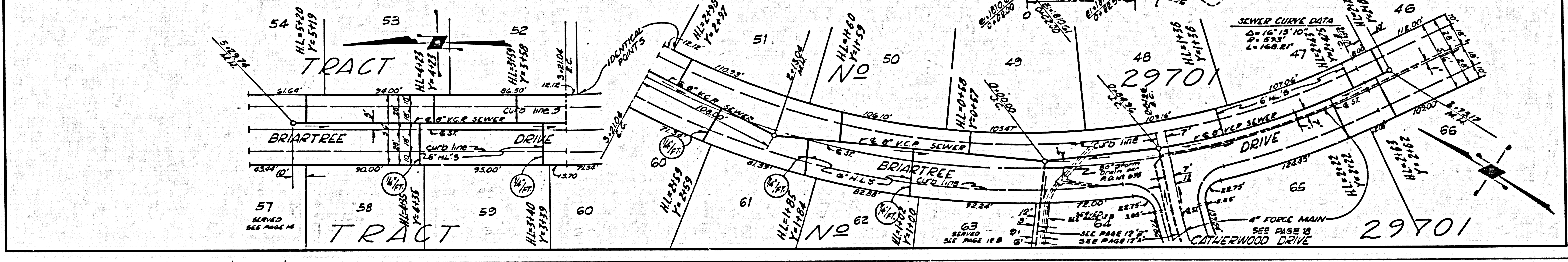
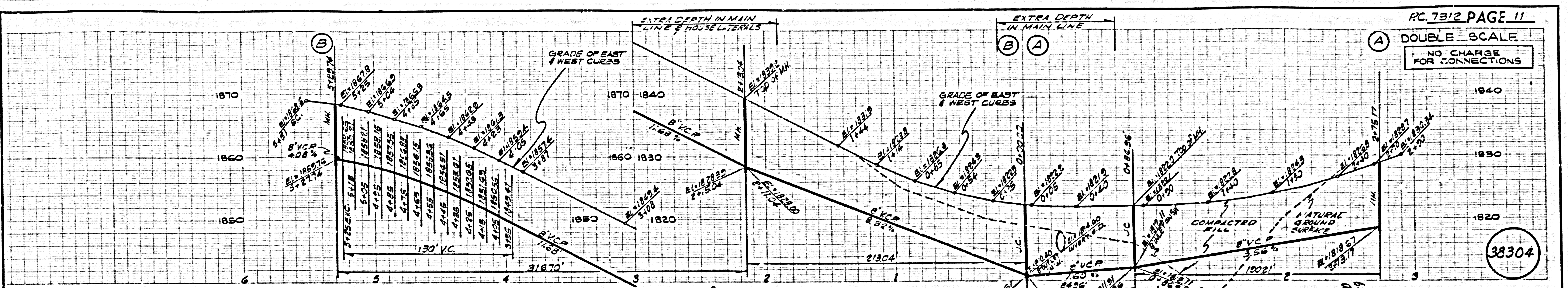
NO CHARGES FOR CONNECTION

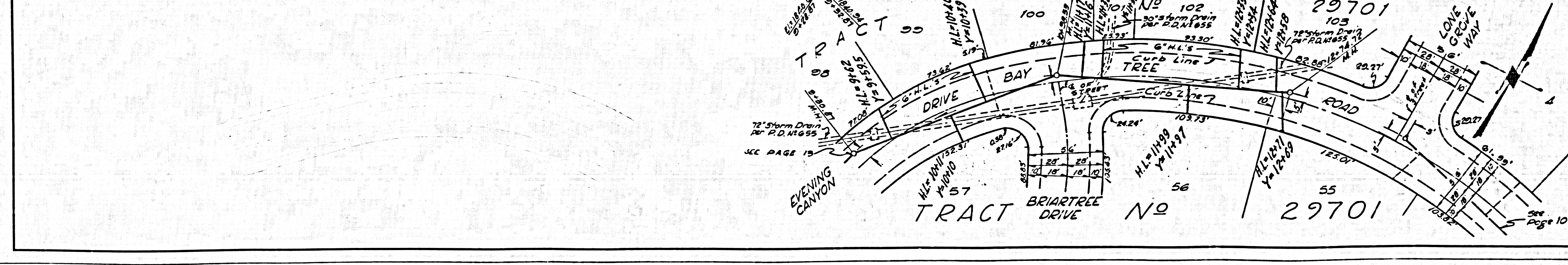
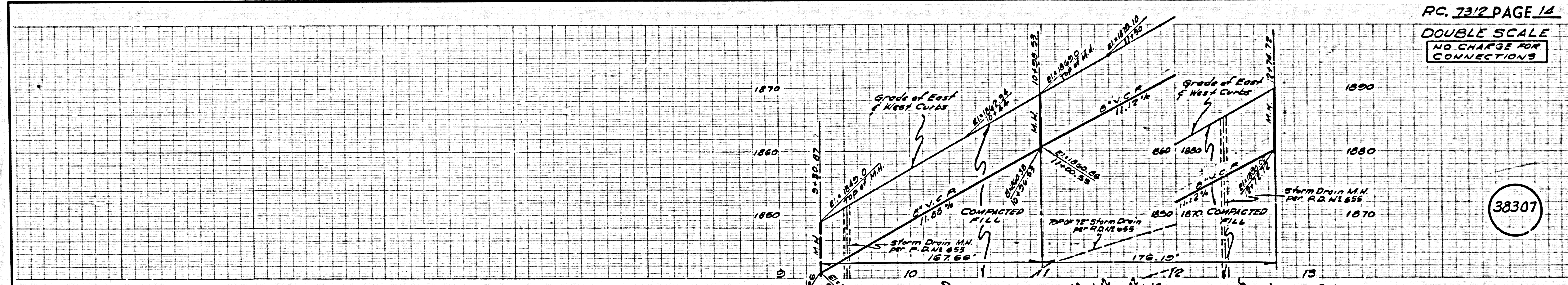
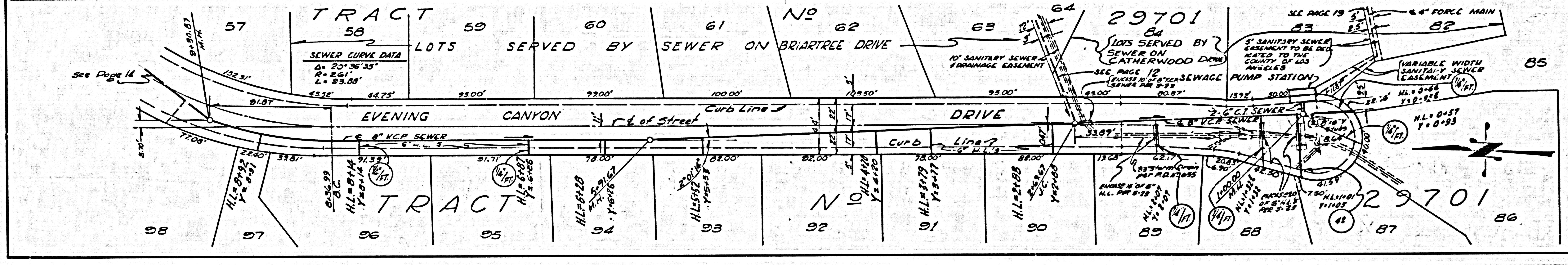
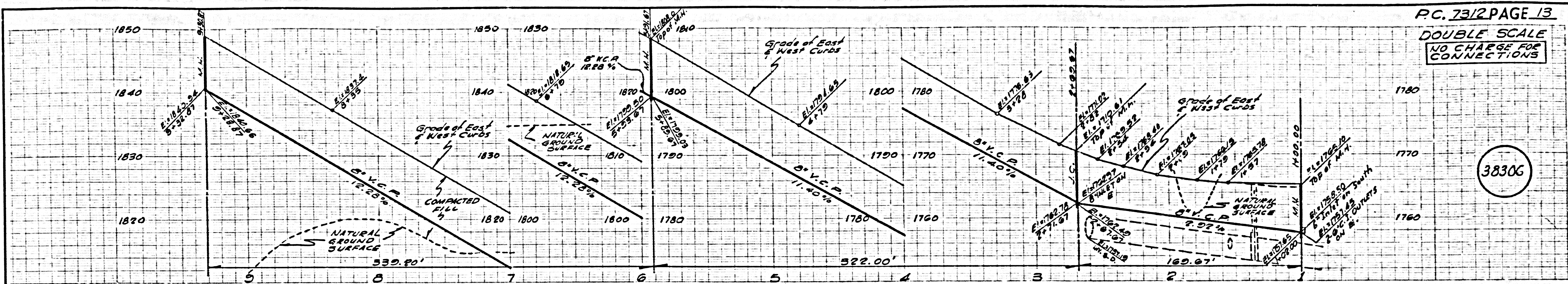
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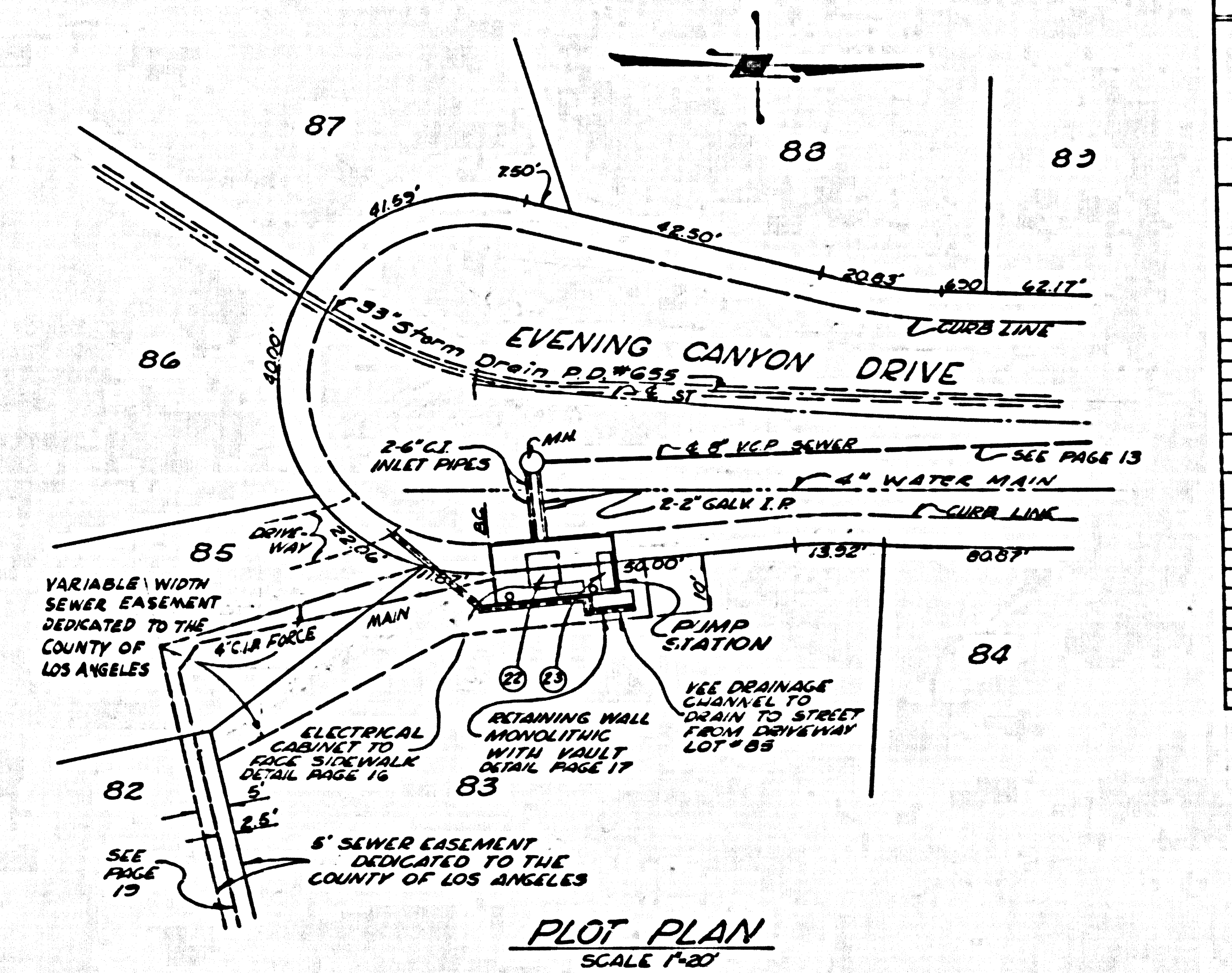
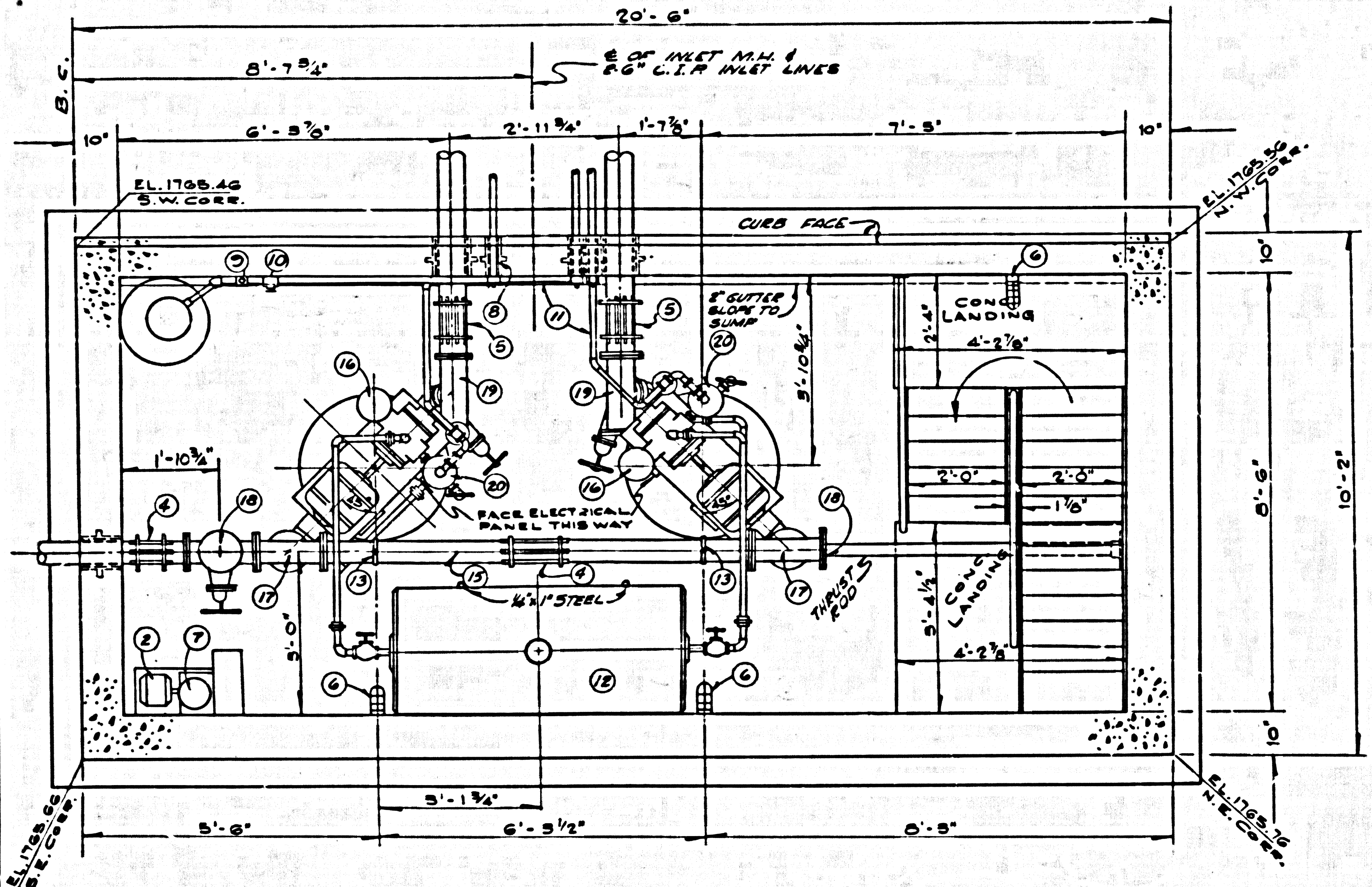




U.S.G.S. 100' L.S. QUANTITY SHEET NO. 2 CO. CAL. SANITARY ENGR.







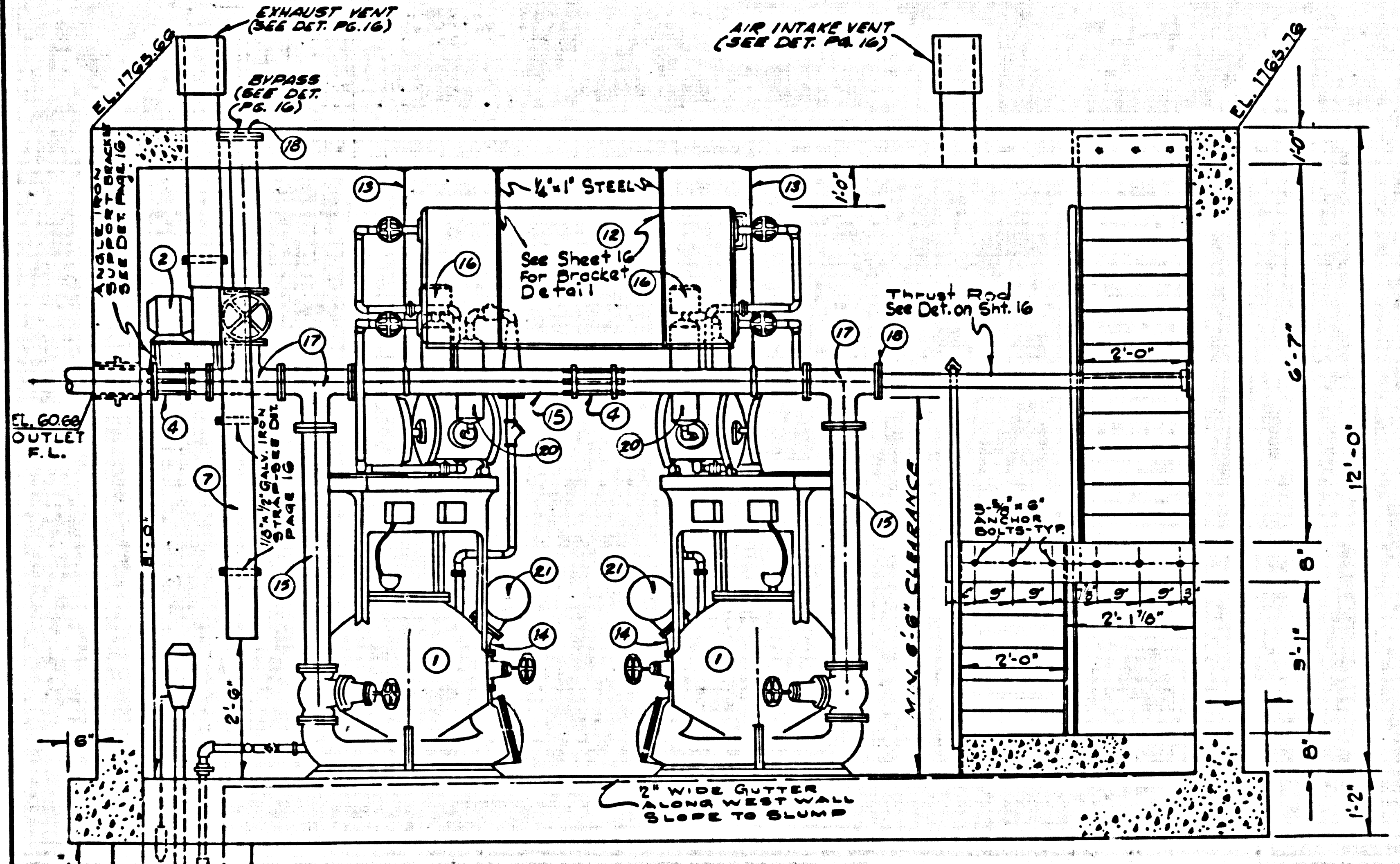
| ITEM | QUANTITY | DESCRIPTION |
|------|----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 1 | WOMANS BROTHERS CO. SHOWN PNEUMATIC EJECTOR 1/2" GALV. 100 GALLONS CONCRETE WITH RESERVE VALVE, 8 CONNECTIONS, 1/2" I.D. 1/2" RPM MOTOR DRIVE, MESH COIL, TUBULAR STEEL AIR COMPRESSOR 1/2" I.D. WITH PNEUMATIC TIME DELAY IN SERIES WITH LOSS ELECTRODE. DISCHARGE CAPACITY 63 G.P.M. AGAINST 10' OF WATER EACH UNIT TO BE EQUIPPED WITH A CLOCK CYCLE CONTROLLING DEVICE. |
| 2 | 1 | BUFFALO FORMS CO. BLOWER 5 1/2" C.V. 1/2" I.D. 1725 RPM, 110 X 1/2" I.D. 80 CYCLE EXPLOSION PROOF CONT. HUBS OPERATIONAL BLOWER SYSTEM CO. EQUAL. |
| 3 | 1 | WOMANS DRAIN DR. 1/2" I.D. 1750 RPM, 110 X 1/2" I.D. 80 CYCLE 1/2" EXPLOSION PROOF, 60 2 1/2" WITH DIVING BELL. |
| 4 | 2 | 2" DRESSER COUPLING |
| 5 | 2 | 2" DRESSER COUPLING |
| 6 | 3 | CRUICKSHANK VAPOR-TIGHT LIGHT FIXTURE, ARB-43, FORM EGG 200 W. OR EQUAL. |
| 7 | 10 | 10 INCHES 6" TRANSITE PIPE |
| 8 | 35 | 35 LINE FEET 4" GALV. IRON PIPE FROM FLOOR DRAIN TO WET ALL FITTINGS. |
| 9 | 1 | 1 1/2" CHECK VALVE SWING, BRASS, CRANK N° 30, OR EQUAL. |
| 10 | 1 | 1 1/2" GATE VALVE, BRASS, CRANK N° 30, OR EQUAL. |
| 11 | 30 | 30 LINE FEET 2" GALV. IRON EXHAUST PIPE FITTINGS (FROM EXHAUST TO INLET M.H.). |
| 12 | 1 | YOUNG'S THERMAL SYPHON SYSTEM (200 GALLON) CONCRETE WITH TANK, VALVES, STRAINERS, UNIONS & CONNECTIONS. |
| 13 | 2 | 3/4" ADJ. SWING HANDLE FLANGE-CRANK N° 30 OR EQUAL BOLT TO LONG. |
| 14 | 2 | 6" CLASS 125 CAST IRON 45° ELB. |
| 15 | 25 | 25 LINE FEET 4" CLASS 125 CAST IRON PIPE IN STATION (FLANGED). |
| 16 | 2 | INLET SILENCER |
| 17 | 3 | 4" 4" 4" DOUBLE SWEEP TEE-CLASS 125. |
| 18 | 2 | 4" BLIND FLANGE. |
| 19 | 2 | 6" 6" 1/4" CAST IRON CLASS 125 TEE. |
| 20 | 2 | CUT-FLET SILENCER |
| 21 | 2 | 6" BLIND FLANGE |
| 22 | 1 | ALCO (DOUBLE LEAF) DOOR-TYPE A-30 |
| 23 | 1 | ALCO (SINGLE LEAF) DOOR-TYPE W4 (SPECIAL SIZE) |

PLOT PLAN SCALE 1"=20'

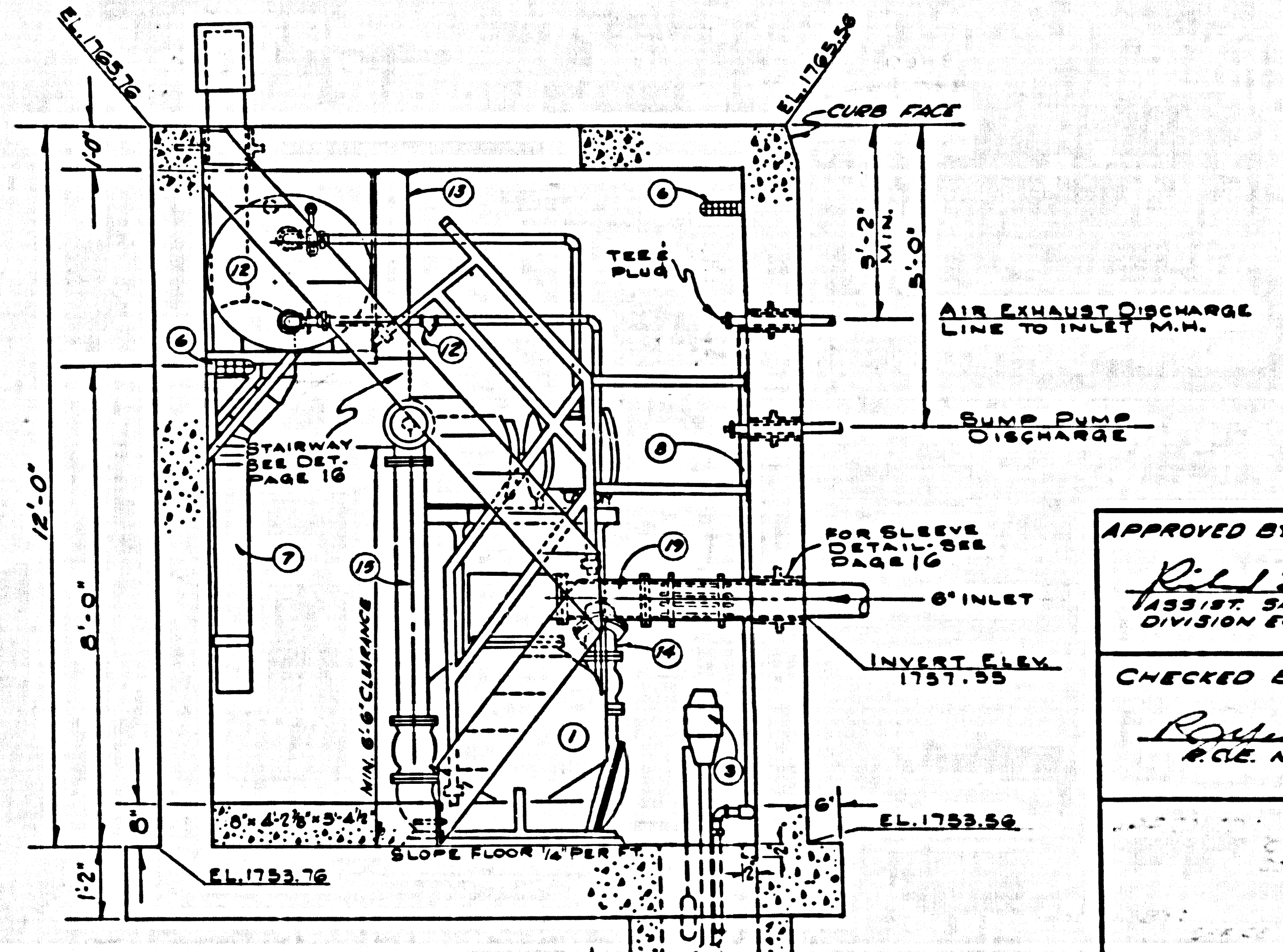
40676

GENERAL NOTES

- ALL CAST IRON PIPE & FITTINGS WITHIN STATION TO BE CLASS 125 (MIN).
- THE CONTRACTOR SHALL CONTACT THE SO CALIF EDISON CO FOR POWER SERVICE.
- ALL OVERLOAD PROTECTION FOR ELECTRICAL EQUIPMENT SHALL BE PROVIDED THROUGH CIRCUIT BREAKERS.
- IF A PNEUMATIC EJECTOR WITH COSTS EXCEEDS OTHER THAN THE TYPE SPECIFIED BY THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING ANY NECESSARY BELTS, PUMPS, ETC.
- ELECTRICAL CONDUIT SHALL BE DERIVED FROM POWER POLE TO PUMP STATION.
- A WATERPROOF MEMBRANE OR COATING SHALL BE APPLIED TO THE OUTSIDE OF THE PUMP STATION. THE MEMBRANE OR COATING SHALL EXTEND TO 6" BELOW SURFACE OF CURB AND SHALL BE ACCURATELY FASTENED TO THE WALLS WITH GALV. IRON PIPE STRAPS.
- RIGID ELECTRICAL CONDUIT SHALL BE EMBEDDED WITHIN THE WALLS & FLOOR OF THE STRUCTURE. CONDUIT FOR THE EXHAUSTORS TO BE BROUGHT TO THE EXHAUSTORS THROUGH THE FLOOR.
- 1 1/2" GALV. IRON PIPE FROM THE PUMP MAIN SHALL HAVE A 6" LENGTH OF PIPE WITHIN THE MANHOLE WHICH WILL DIRECT THE FLOW IN THE 1 1/2" LINE DOWN TOWARD THE BASE OF THE MANHOLE.
- 2" GALV. IRON PIPE EXHAUST TO DIRECT AIR DOWNWARD IN INLET MAN.
- PERMANENT ELECTRICITY & WATER WITH METERS MUST BE INSTALLED, OPERATING & COMPLETED BEFORE ACCEPTANCE OF PROJECT.
- EXHAUST FAN TO OPERATE WHENEVER LIGHTS ARE TURNED ON.
- PROVIDE 8" X 8" STANCHION'S INTERCONNECTED 1/2" CHAIN GUARDS FOR ACCESS DOORS PER DET. PAGE 18. STEEL PLATE DOORS, ALL ACCESS DOORS & ACCESSORIES TO BE NOT DIPPED GALV. AFTER FABRICATION.
- RUBBER WATER STOPS, GATES RUBBER CO. SIZE 6" X 3/4" OR APPROVED EQUAL SHALL BE PLACED AT ALL CONSTRUCTION JOINTS.
- CONTINUOUS INSPECTION SHALL BE REQUIRED FOR ALL ON-SITE WELDING AND ALL CONSTRUCTION BEFORE ACCEPTANCE ITEMS SHALL BE WELDED IN A LICENSED SHOP.
- 2" OF ENCASUREMENT PER S-23 SHALL BE INSTALLED AT ALL ANGLE POINTS (HORIZONTAL & VERTICAL) OF THE FORCE MAIN SEWER WHICH EXCEEDS 30° DEFLECTION.
- THE CONTRACTOR SHALL OBTAIN THE FOLLOWING PERMITS:
 - CONSTRUCTION PERMIT SANITATION DIVISION.
 - BUILDING, ELECTRICAL & PLUMBING, BUILDING & SAFETY DIVISION.
 - ROAD PERMIT ROAD DEPT.
- PROVIDE TWO VIBRATOR-FOOT CYCLE COUNTERS, SERIES 1808 REGISTERING 6 DIGITS, TO BE MOUNTED IN ELECTRICAL CABINET.



REVISION
Revised alignment of force main lots 83 and 84 between Sta. 1+00 and 3+3525. Force main was moved 11' up N-W 1/4 on Catherwood Dr.
Approved: [Signature] Date: 1-18-64



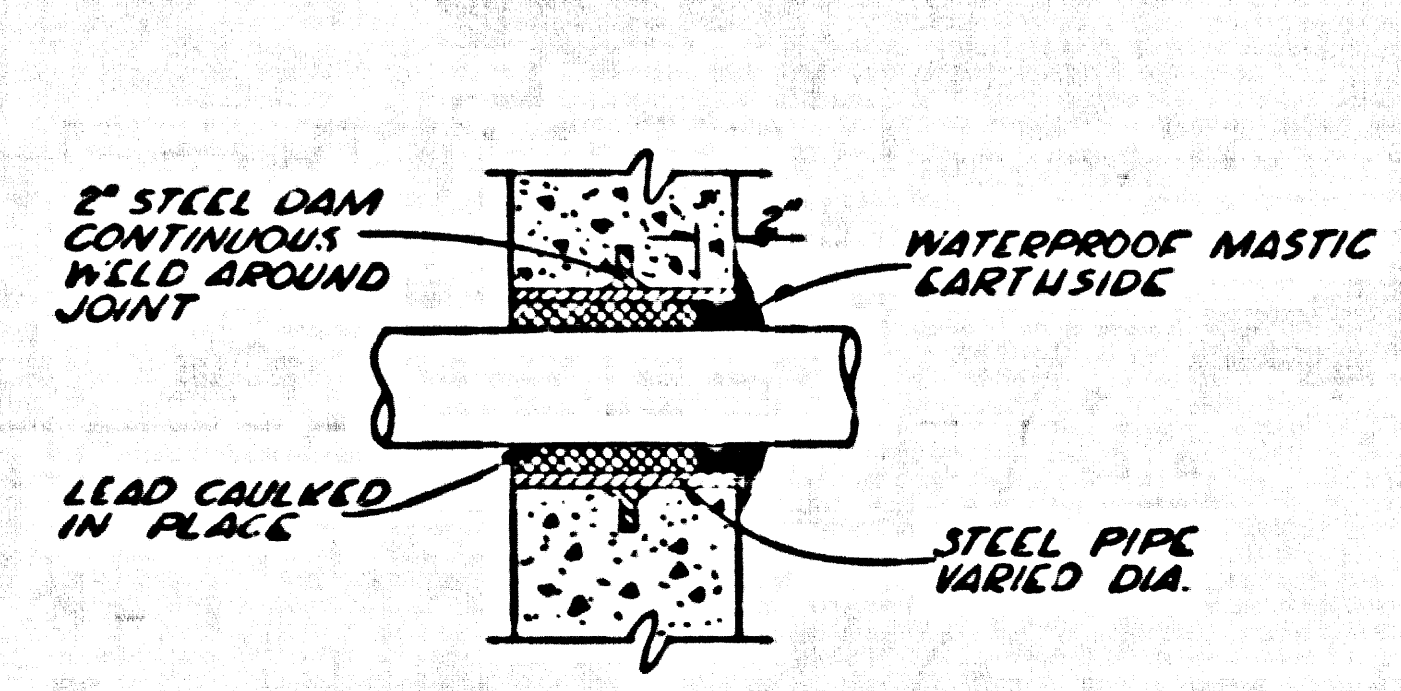
REVISION
Raised the 4" force main on page 10, between Station 1+00.00 and Station 2+26.00.
Approved: [Signature] Date: 1-18-64

APPROVED BY:
[Signature]
ASSISTANT SANITATION DIVISION ENGINEER

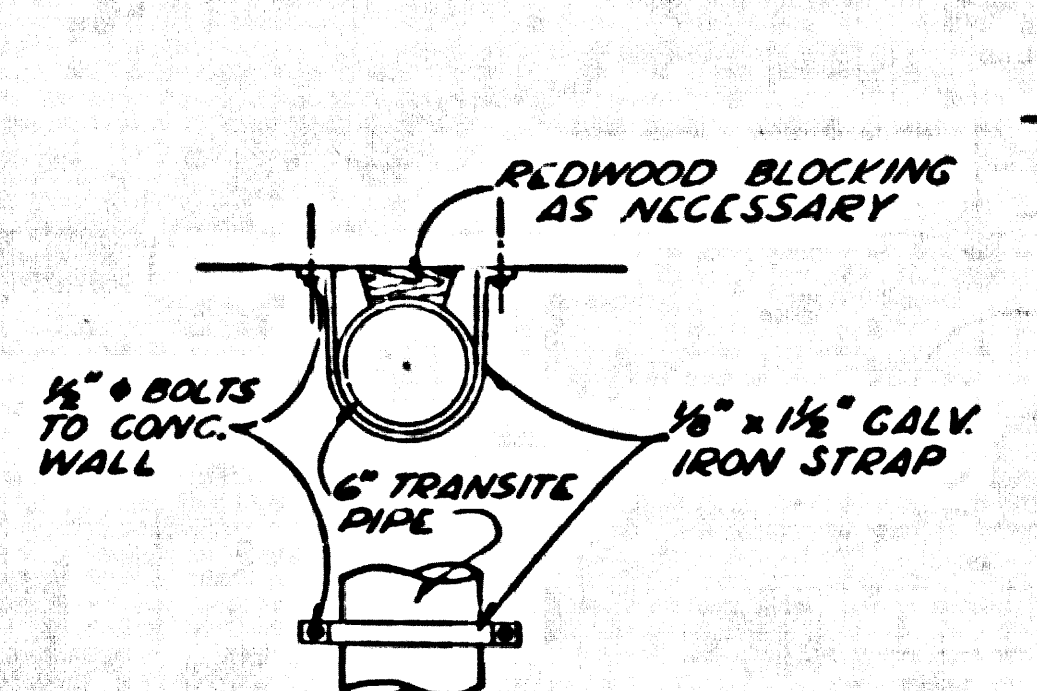
CHECKED BY:
[Signature]
R.C.E. NO 14350

REVIEWED BY:
[Signature]
SEWER MAINS SUPT.

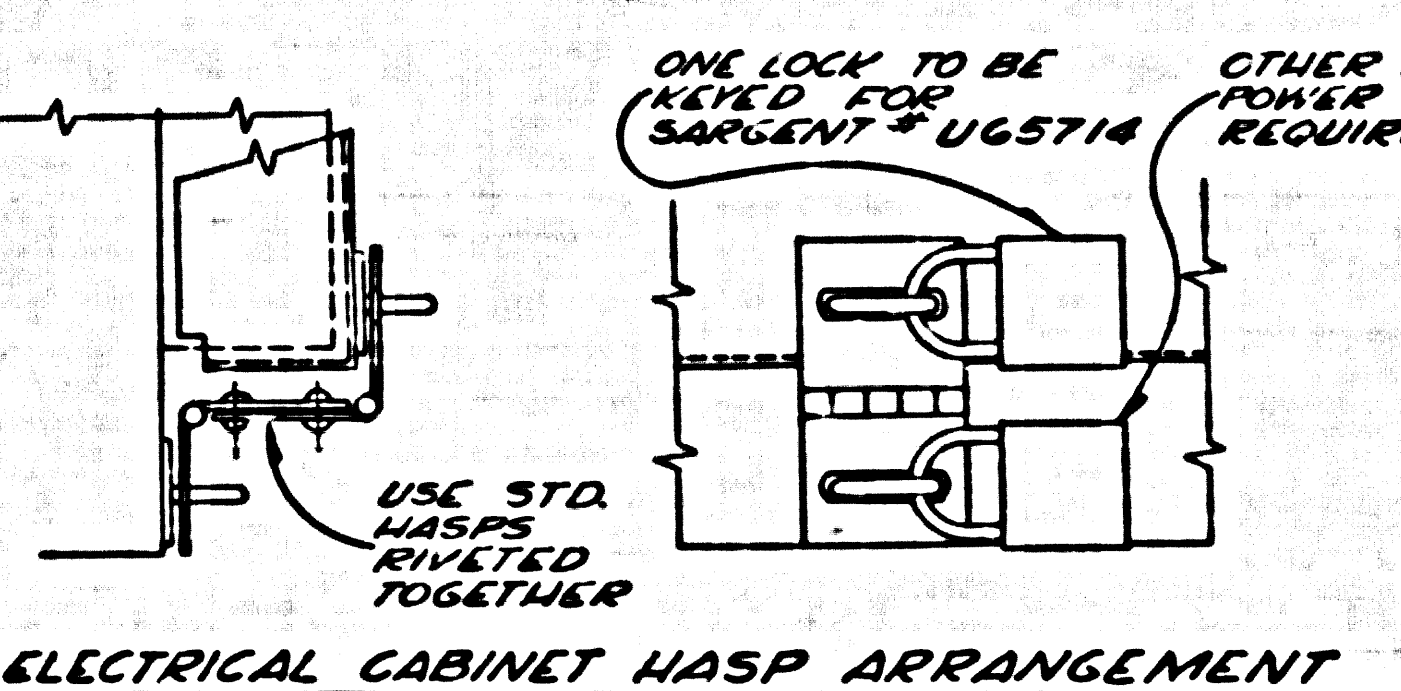
PRIVATE CONTRACT NO 7312 B
CONSTRUCTION PLAN FOR
SEWAGE PUMP STATION
TO SERVE
TRACT NO 29701
SCALE 1/2"=1'-0" EXCEPT AS NOTED MARCH, 1963
COUNTY OF LOS ANGELES
JOHN A. LAMBIE COUNTY ENGINEER
PREPARED BY:
MSINTIRC INC.
BY: [Signature]
422 W. LOS FELIZ BLVD.
GLENDALE, CALIFORNIA
PHONE: 243-9406
R.C.E. NO 14375



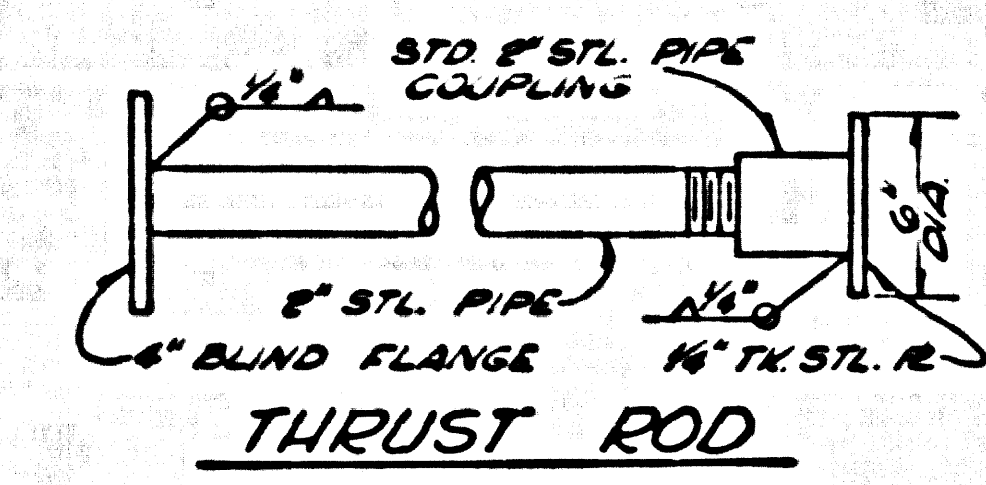
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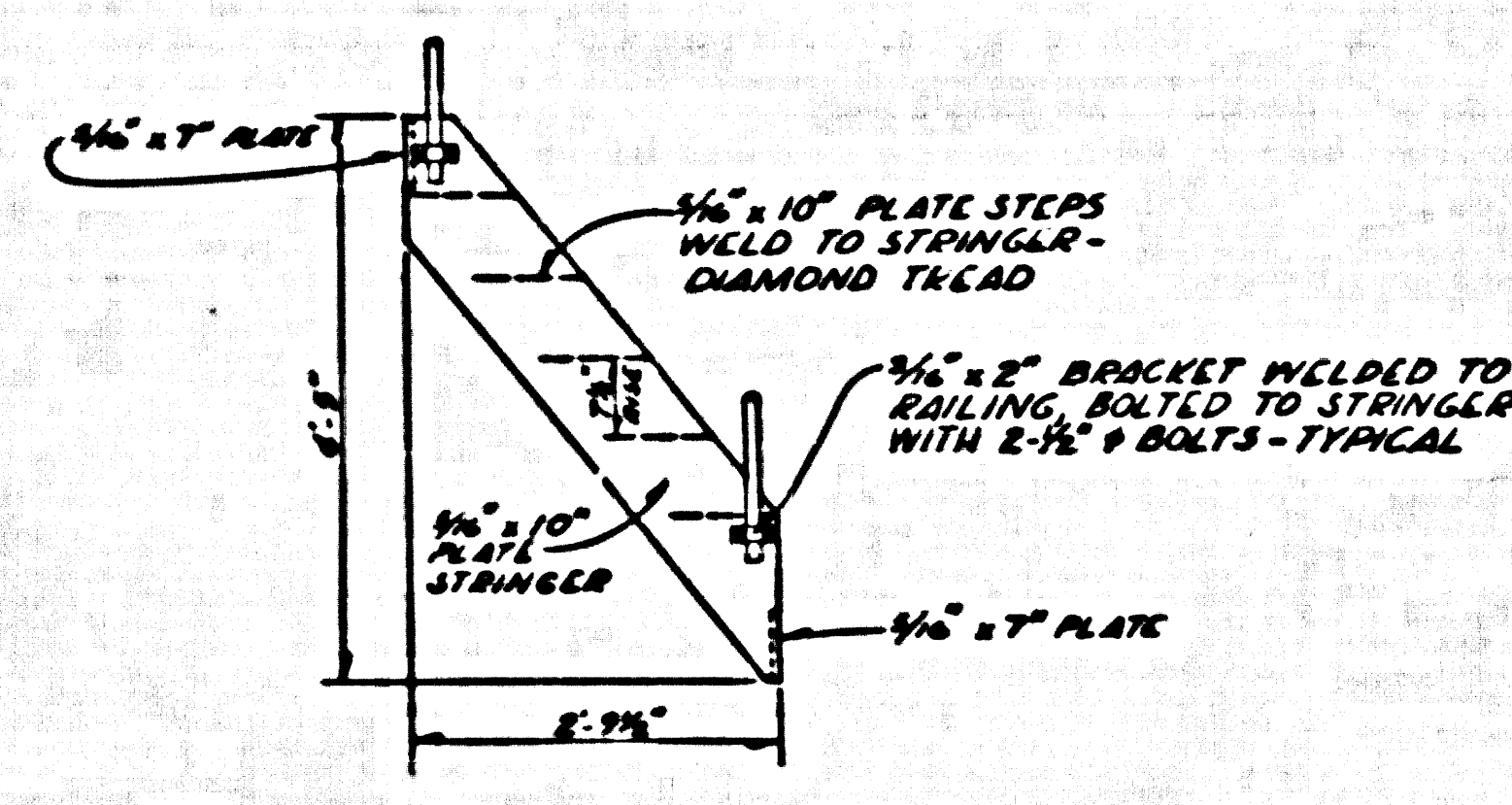
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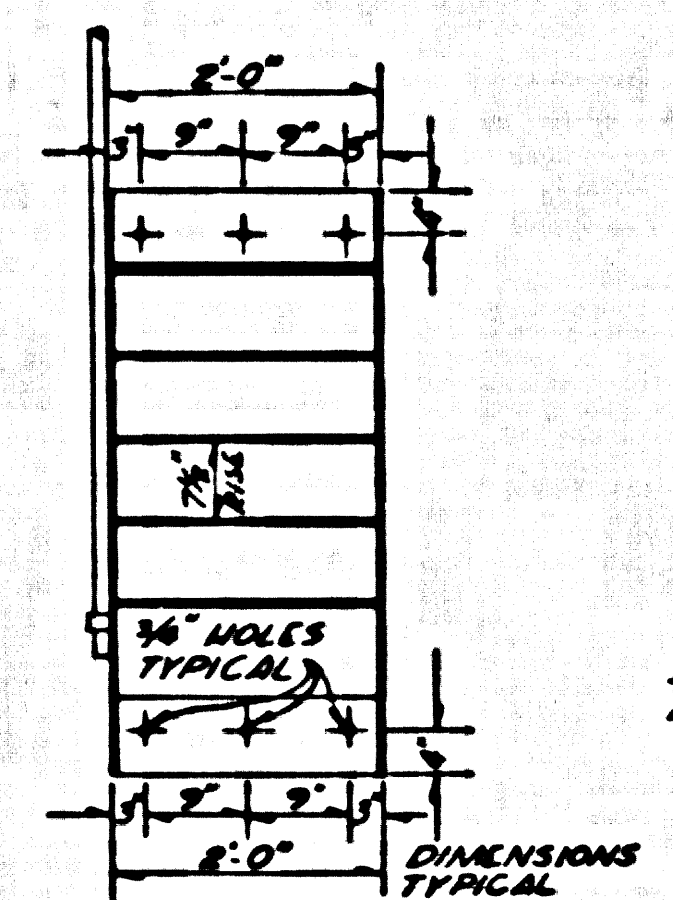
ELECTRICAL CABINET HASP ARRANGEMENT



THRUST ROD

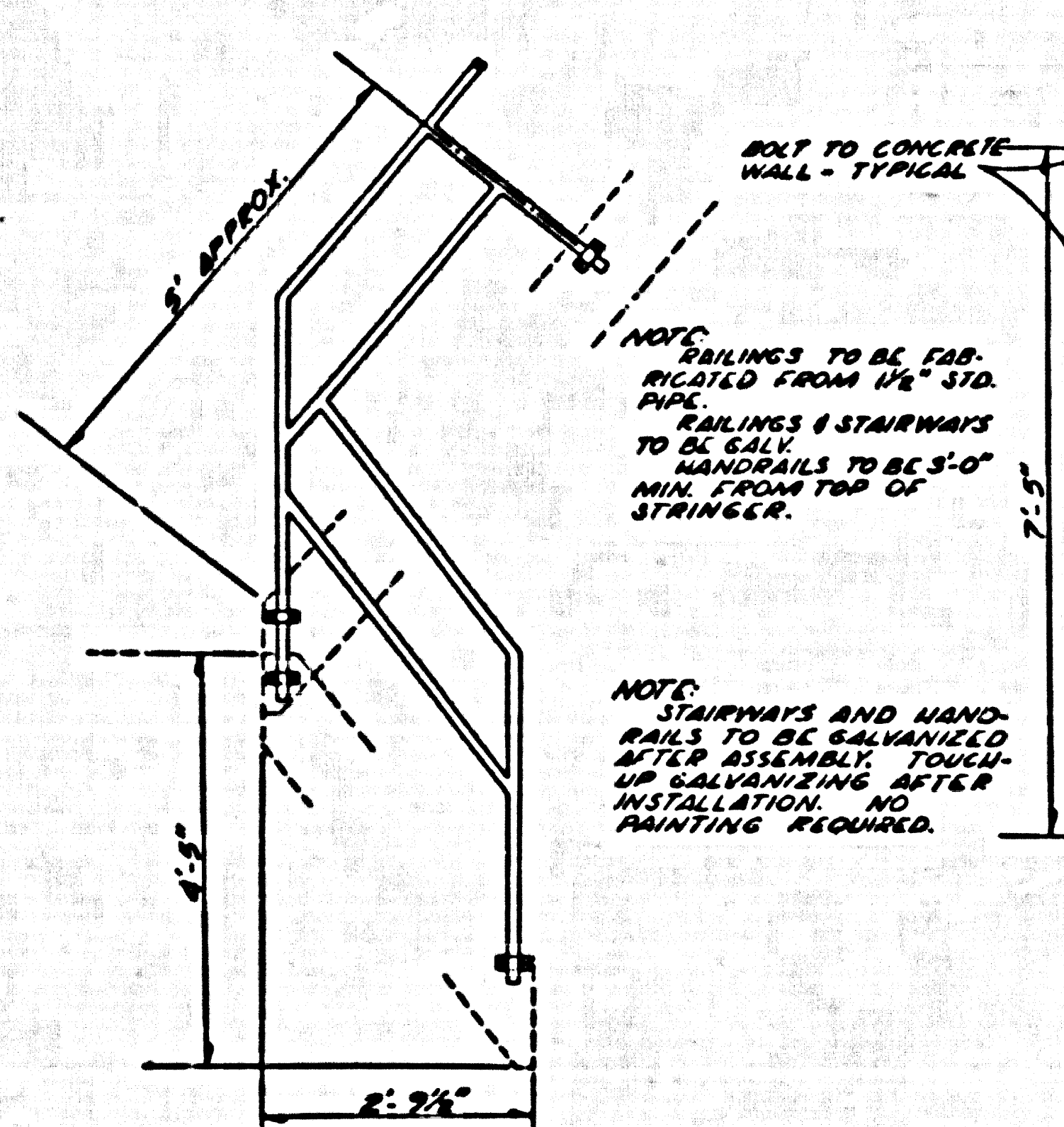


LOWER STAIRWAY

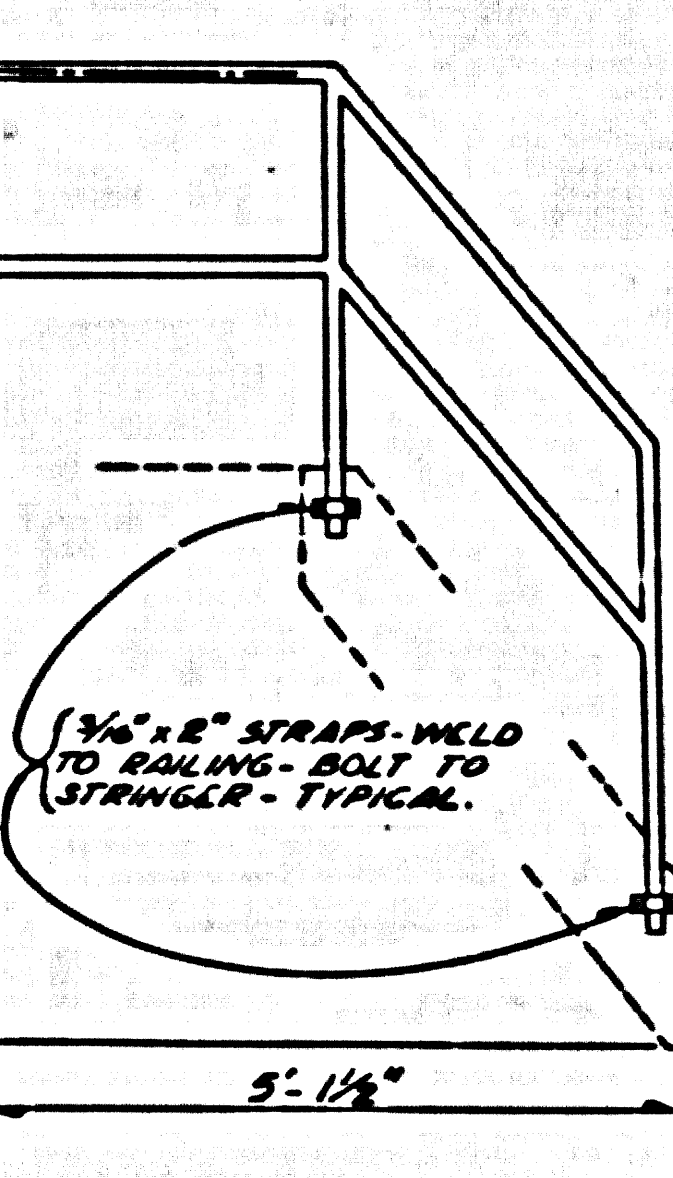


UPPER STAIRWAY

STAIRWAY DETAIL
NO SCALE

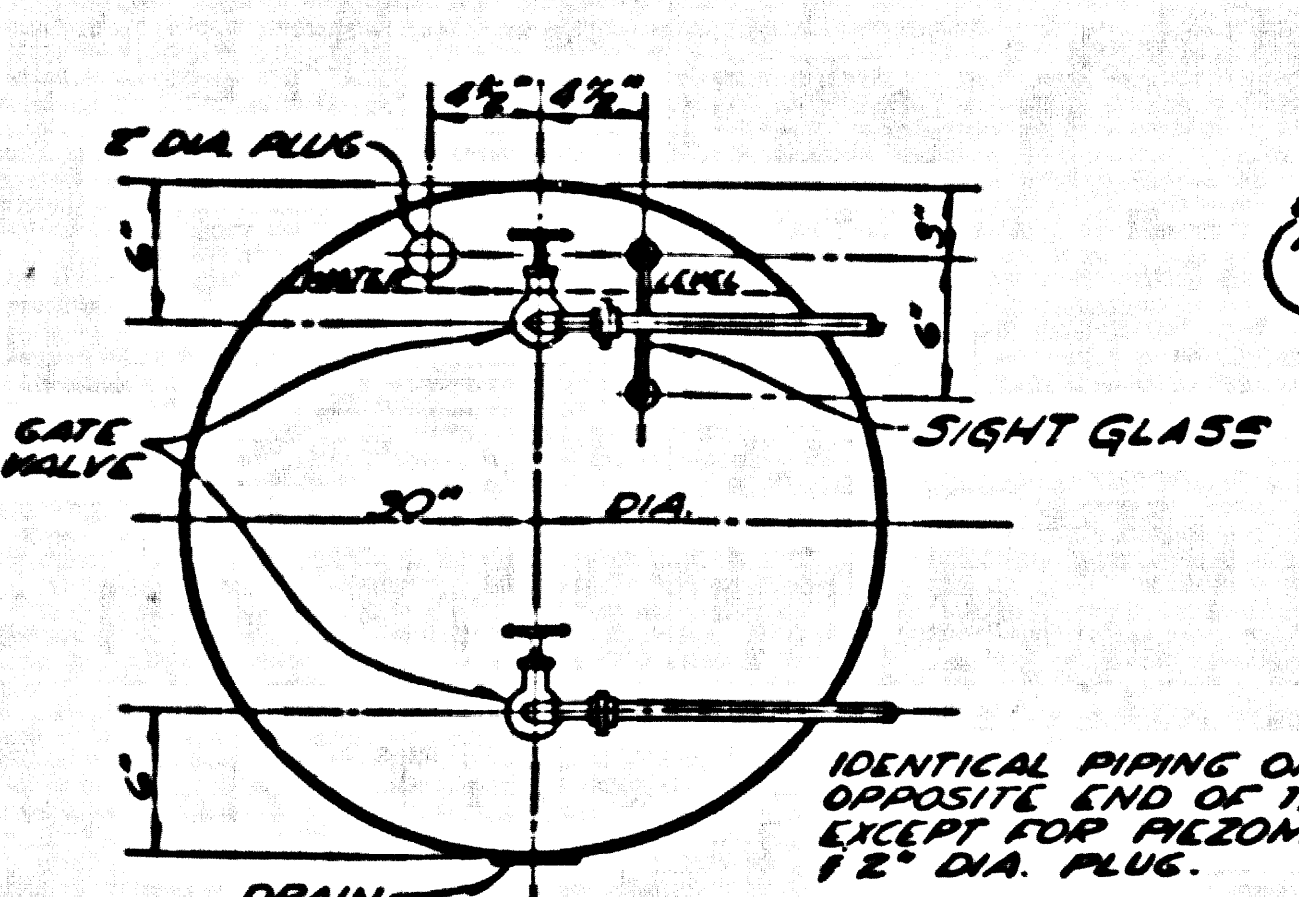


CONTINUOUS HANDRAIL

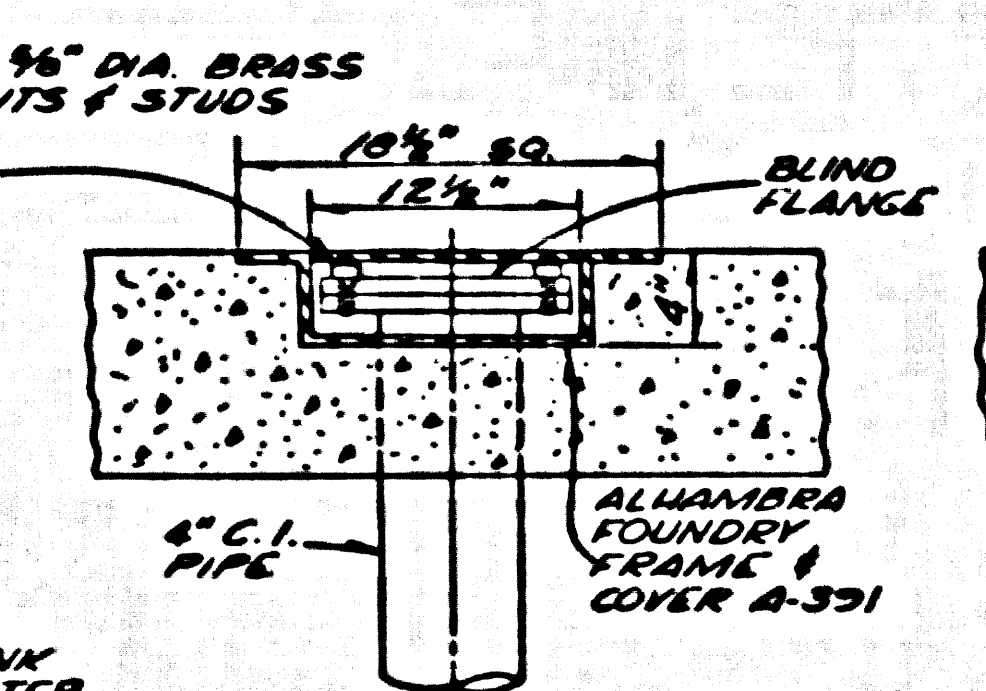


OUTSIDE HANDRAIL
LOWER STAIRWAY

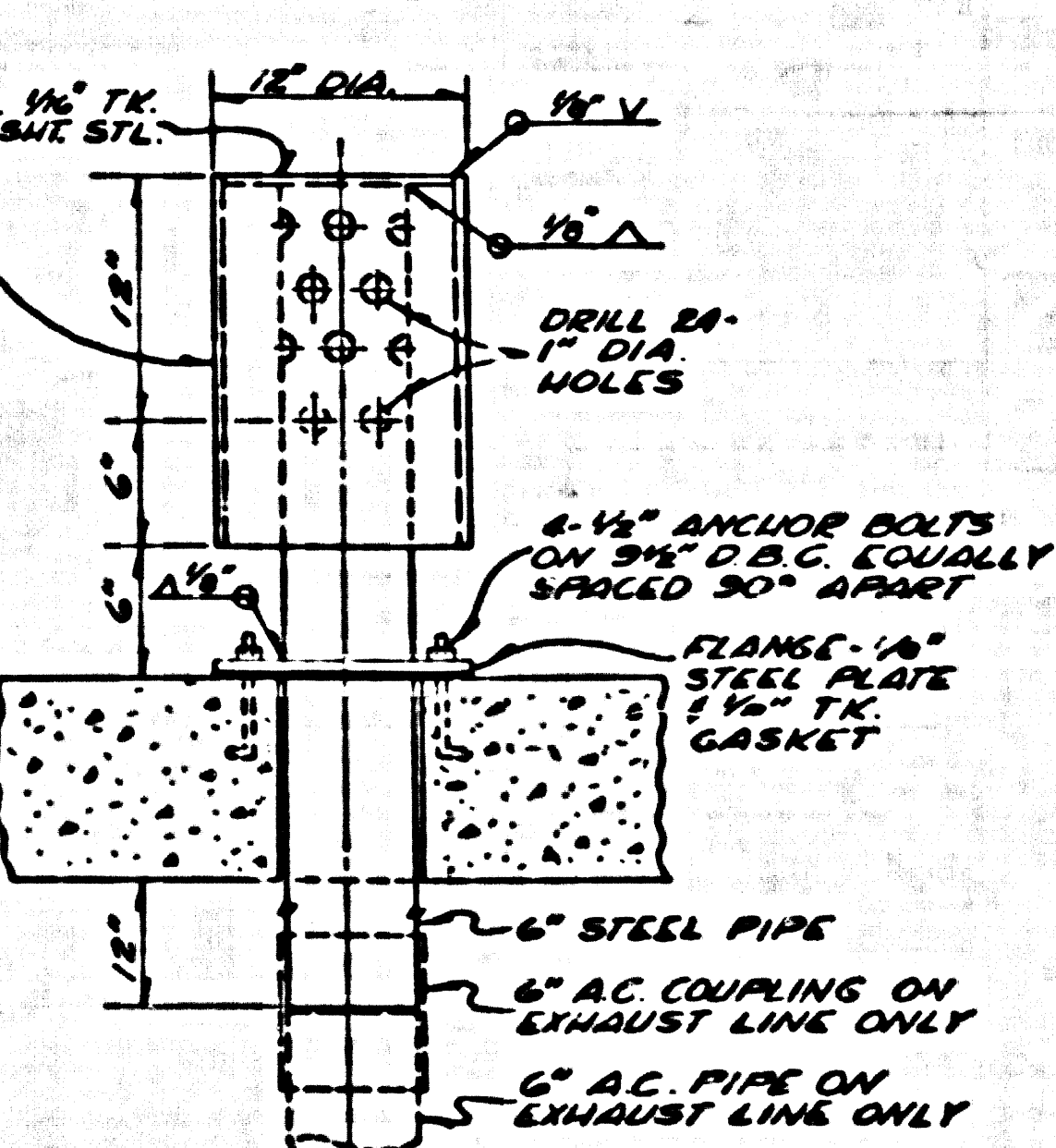
RAILING DETAIL
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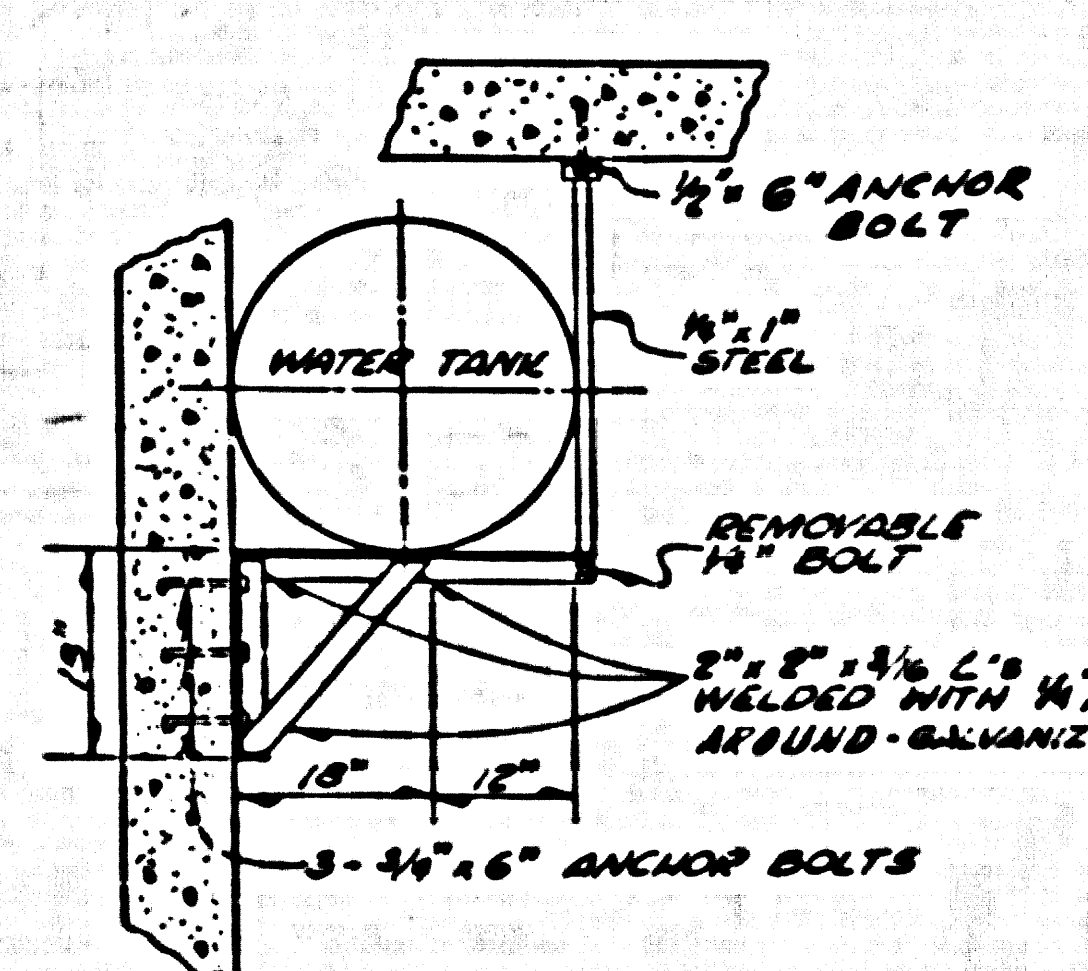
WATER TANK DETAIL



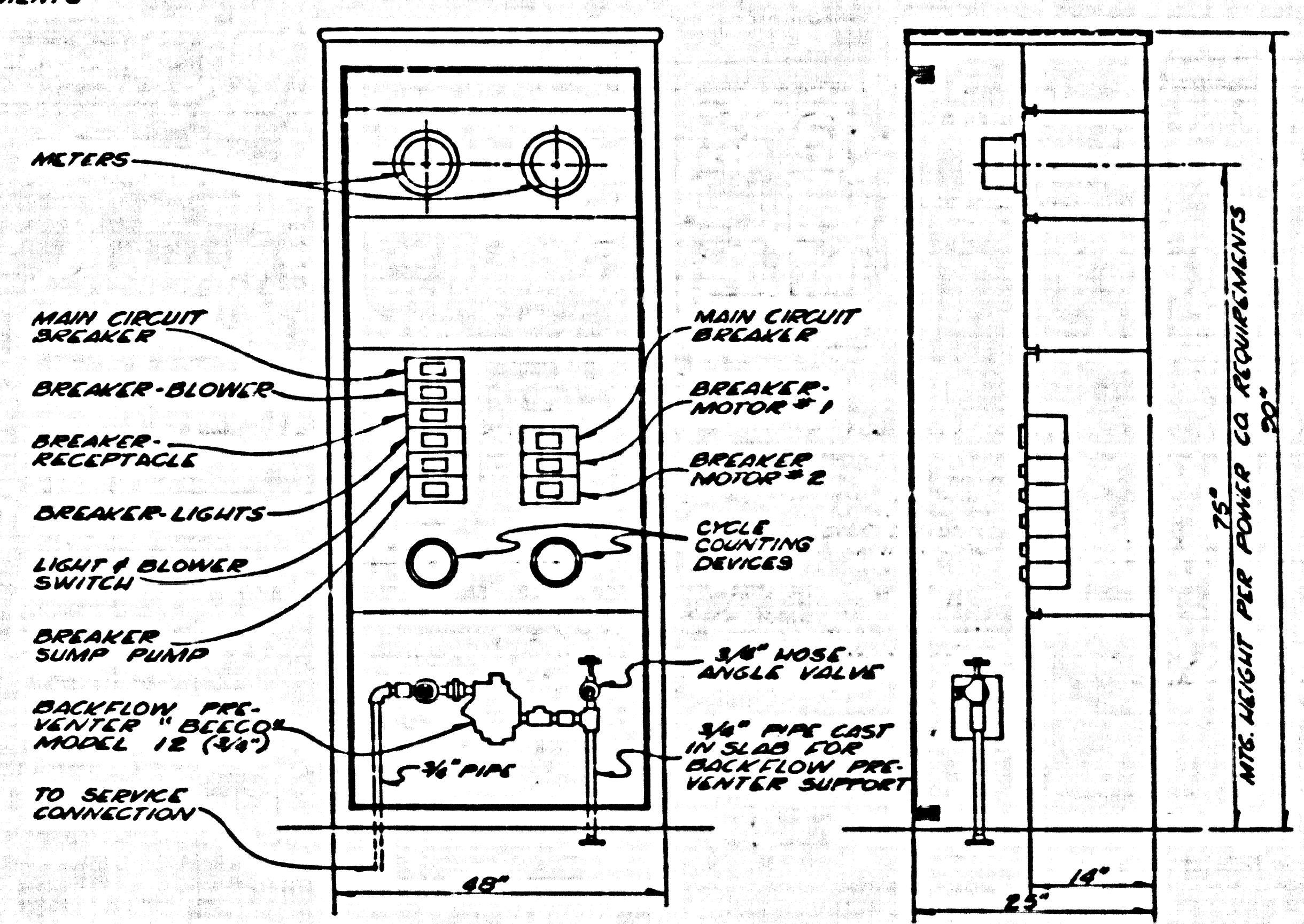
BY-PASS DETAIL



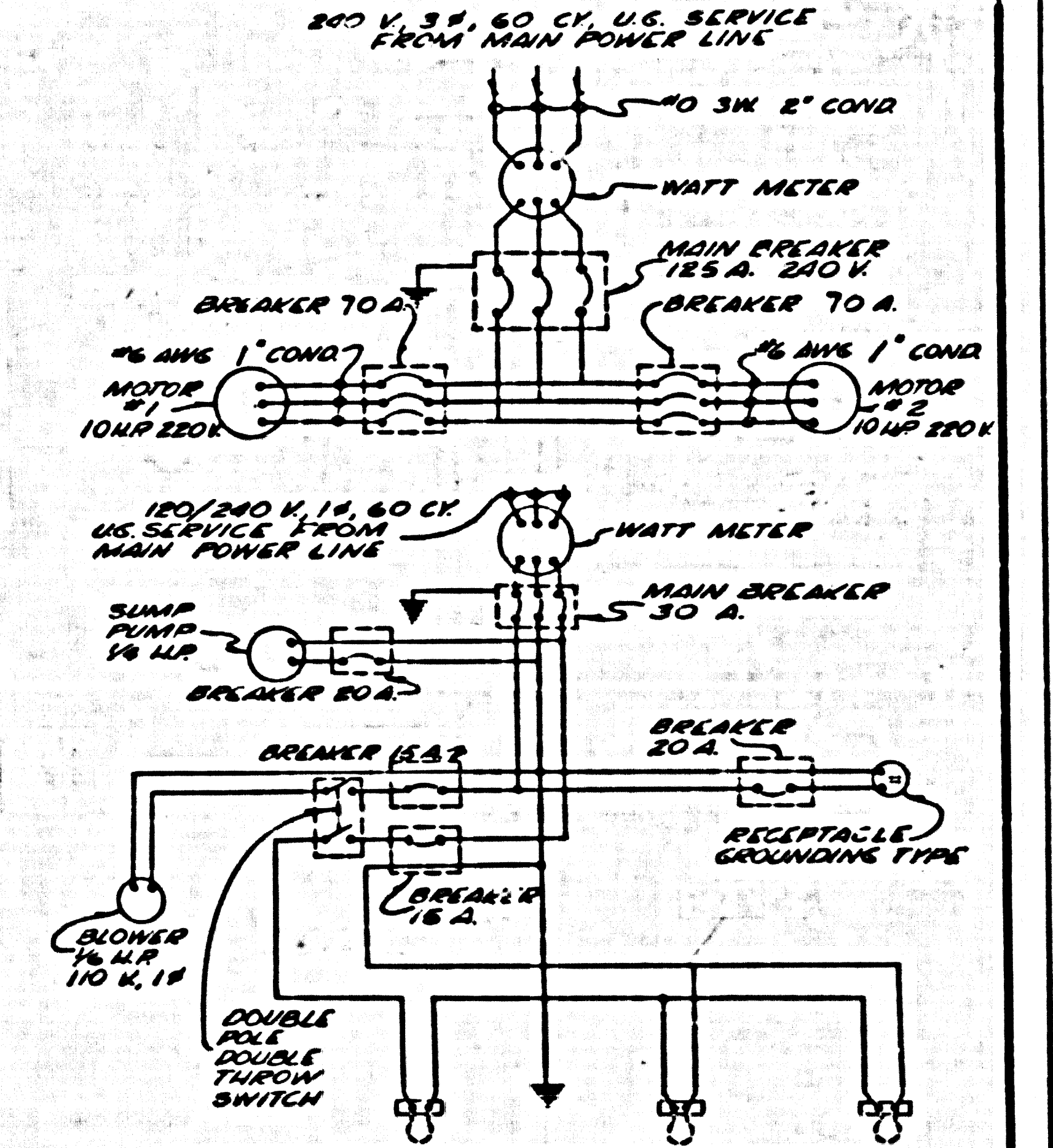
EXHAUST AND INTAKE
VENT DETAIL



DETAIL
WATER TANK MOUNTING
BRACKET-ONE AT EACH
END OF TANK

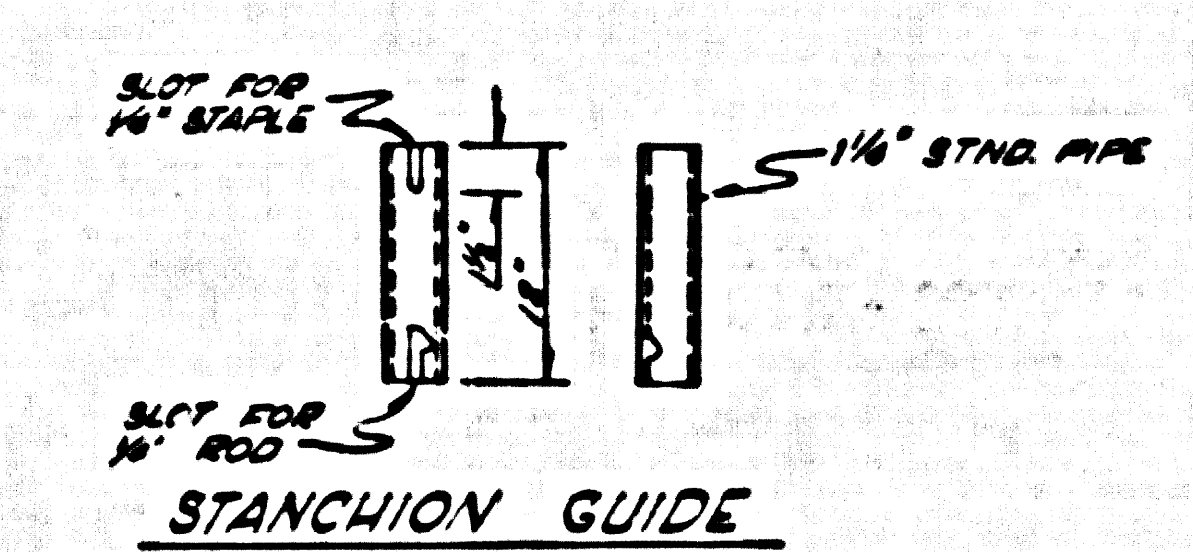


ELECTRICAL CABINET & BACKFLOW PREVENTER

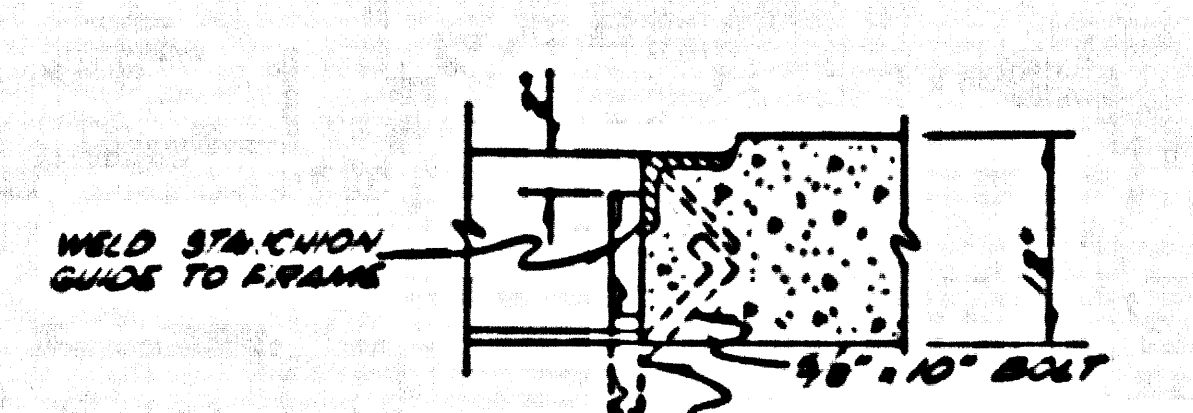


| COMPONENT | AMPS | VOLTS | CONDUCTOR |
|--------------------|------|-------|-----------|
| FACTORY PUMP MOTOR | 15 | 240 | 12 |
| BLOWER MOTOR | 15 | 240 | 12 |
| RECEPTACLE | 15 | 120 | 12 |
| LIGHTS | 15 | 120 | 12 |

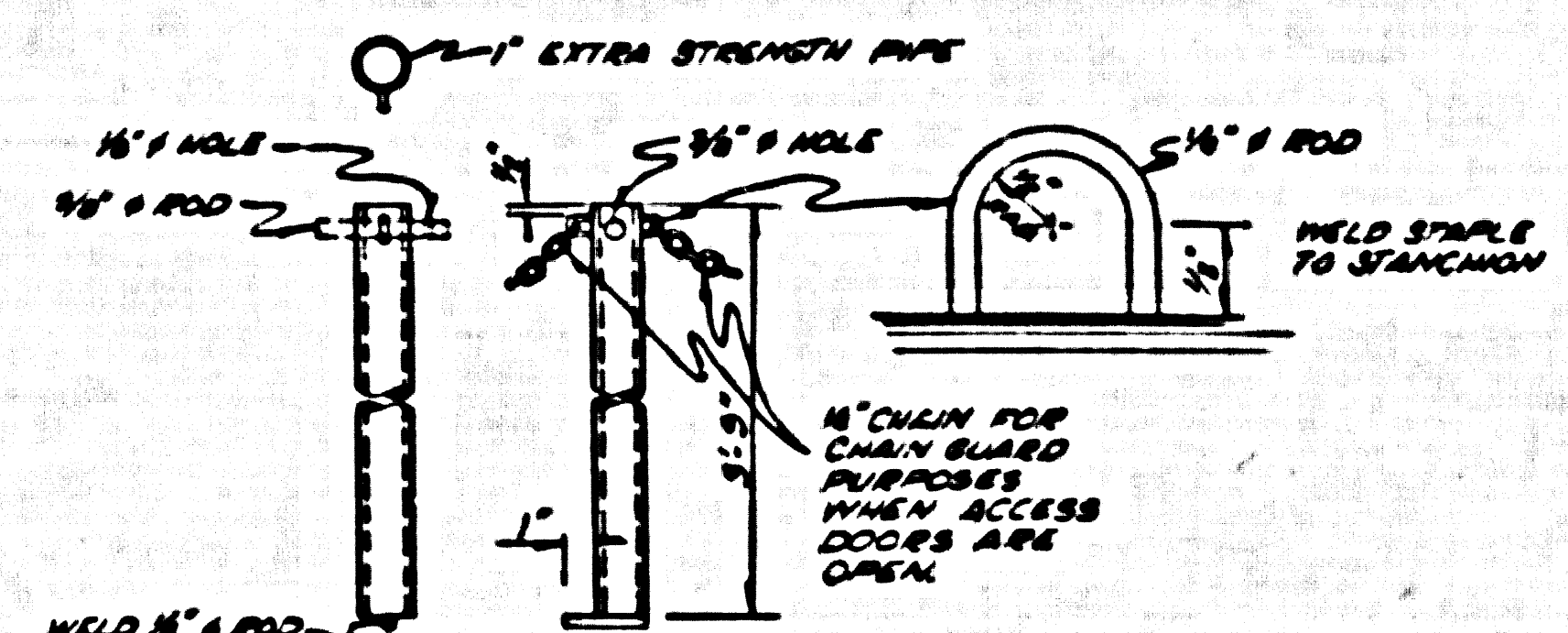
WIRING DIAGRAM



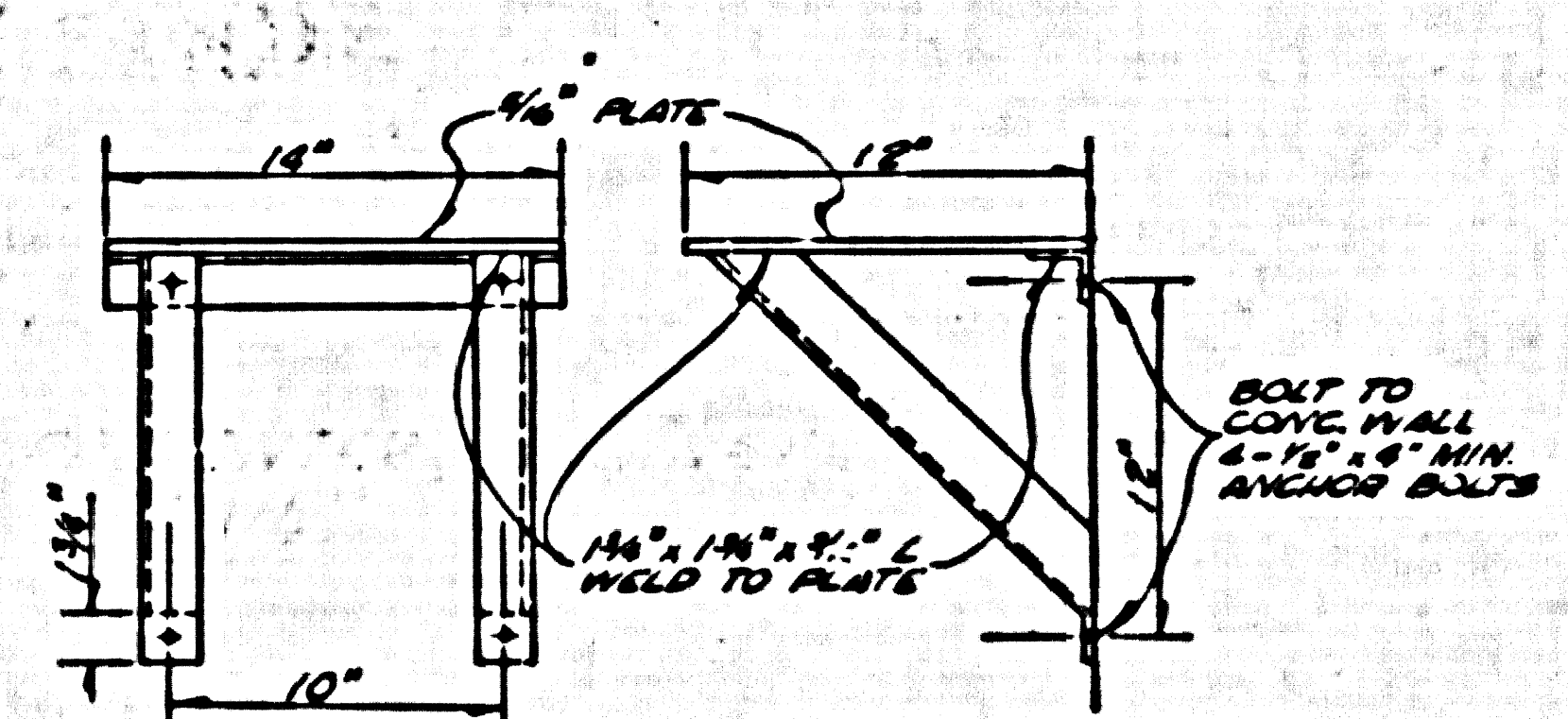
STANCHION GUIDE



STANCHION GUIDE ASSEMBLY



STANCHION



BLOWER STAND

- GENERAL NOTES
- ELECTRICAL CABINET SHALD BE COMPANY OR EQUAL WEATHERPROOF
 - SERVICE CONDUITS, METERS, AND OTHER INSTALLATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE SERVING COMPANY RE-QUIREMENTS
 - ALL DIMENSIONS FOR STAIR AND RAILING SHALL BE FIELD CHECKED AFTER FORMS HAVE BEEN REMOVED FROM THE STRUCTURE.
 - STAIR AND RAILING SHALL BE HOT DIPPED GALVANIZED AFTER ASSEMBLY AND TOUCH-UP GALVANIZED AFTER INSTALLATION.

40677

PRIVATE CONTRACT No 7312 B
CONSTRUCTION PLAN FOR
SEWAGE PUMP STATION
TO SERVE
TRACT No 29701

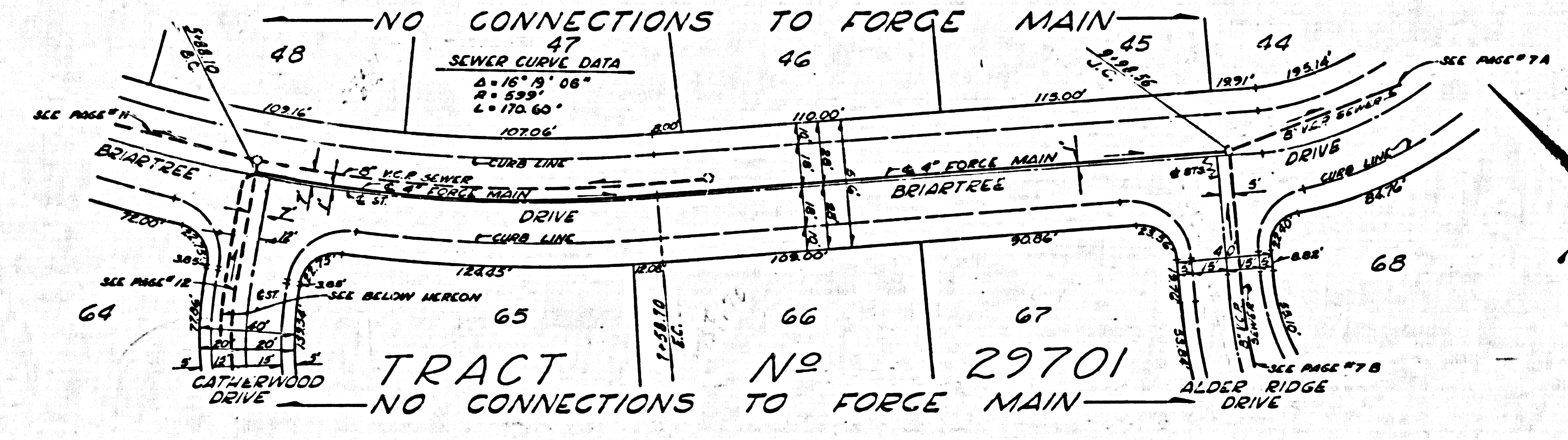
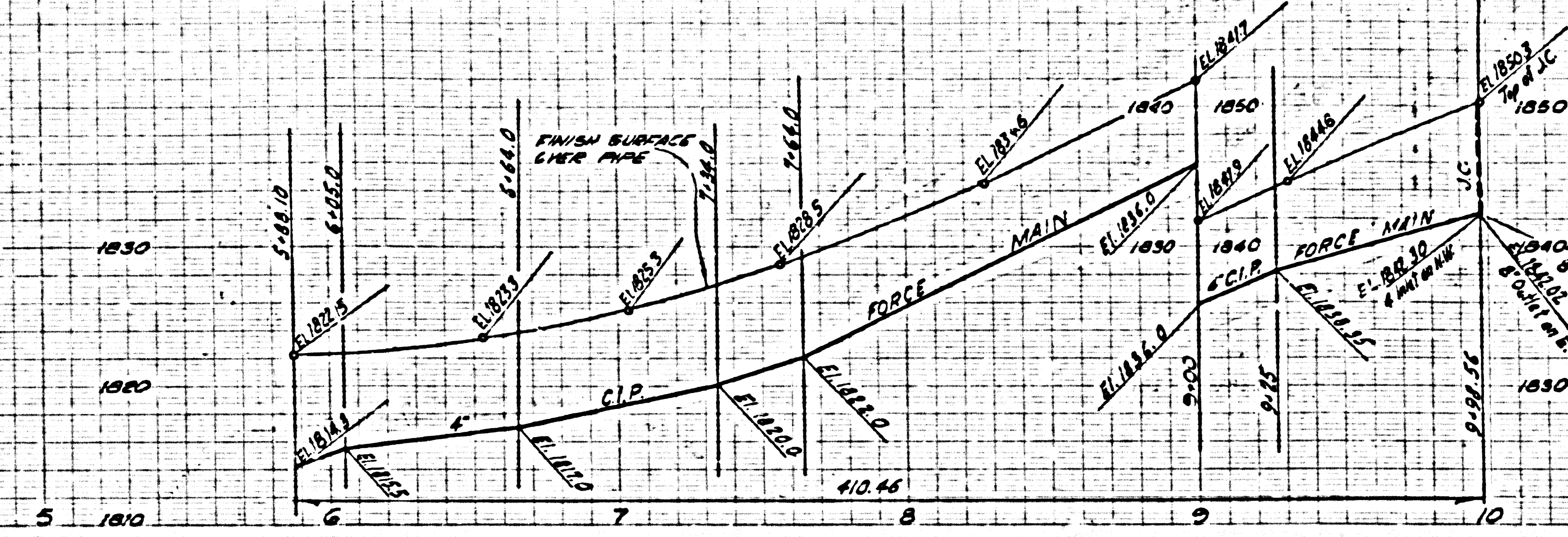
SCALE 1/2"=1'-0" EXCEPT AS NOTED MARCH 1965
COUNTY OF LOS ANGELES
JOHN A. LAMBIC COUNTY ENGINEER

PREPARED BY
MEINTIRE INC.
BY *Gerald E. Tuff*
GERALD E. TUFF R.C.E. No 14575

425 W. LOS FELIZ BLVD.
GLENDALE, CALIFORNIA
PHONE: 243-9406

NO CONNECTIONS TO FORCE MAIN

38311



NO CONNECTION TO FORCE MAIN

38312

