NEWHALL BUILDING DISTRICT No. 8.2

CAPITAL PROJECT 8589.01 J.N. 8589.01 **PAGE 1**

C.C. 8136

PROFILE, ALIGNMENT AND GRADE OF

SANITARY SEWERS

CONSTRUCTED IN

WAYSIDE HONOR RANCHO

AND OTHER RIGHTS OF WAY

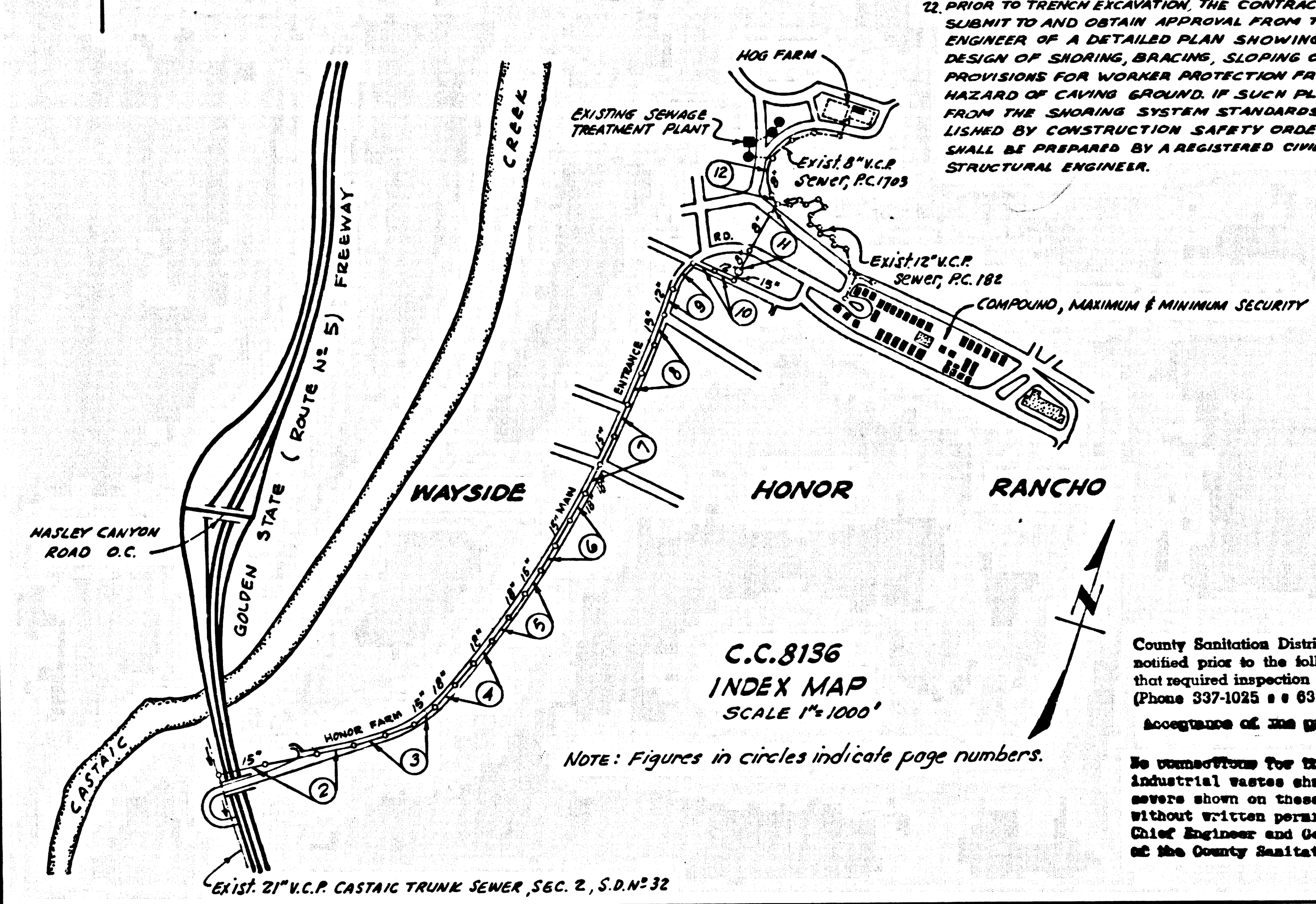
7 SHEETS; 13 PAGES

SCALE VERT. 1" = 8', HORIZ. 1" = 40' MARCH 1972

COUNTY OF LOS ANGELES, CALIFORNIA

B.M. 205-12A ELEV 1037.458 F.B. 3902 Page 97

Frontage Road on west side of U.S. Interstate Highway No 5, about 2.9 miles south of the Parker Road overpass at Castaic, about 300 feet Northwest of the entrance to Wayside Honor Rancho, 220 feet westerly of the center of Bridge No. 53-09 (1931). Set in the top of the south abutment of bridge in the southwest corner.



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INDEX MAP
SCALE 1" = 1000'

Note: Figures in circles indicate page numbers.

County Sanitation Districts shall be notified prior to the following so that required inspection can be made (Phone 337-1025 or 638-1161)

Acceptance of the project.

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.

1. USE EXTRA STRENGTH PIPE. ALL PIPE IS STANDARD DEPTH EXCEPT AS NOTED.
2. USE MECHANICAL COMPRESSION JOINTS FOR ALL VITRIFIED CLAY PIPE SEWERS.
3. ALL STRUCTURES SHALL BE BRICK MANHOLES PER S-3 OR PRE-CAST CONC. MANHOLES PER S-36, EXCEPT AS NOTED.
4. USE LOCKING MANHOLE FRAMES AND COVERS PER S-35, EXCEPT AS NOTED.
5. ~~USE FORMULA NO. 2, SEC. ____ OF SPECIFICATIONS TO COMPUTE ALLOWABLE LEAKAGE.~~
6. THE CONTRACTOR SHALL MAINTAIN SEWER SERVICE AT ALL TIMES DURING CONSTRUCTION OF MAIN LINE SEWER.
7. "T" OR "Y" BRANCHES MAY BE USED FOR CONNECTIONS TO MAIN LINE SEWER, EXCEPT AS NOTED.
8. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D", "F" OR "G" PER SEC. 208-2 OF STD. SPECIFICATIONS.
9. REFER TO SECTION 7-10.4.1 OF STANDARD SPECIFICATIONS REGARDING SAFTEY ORDERS.
10. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D" (WITH BUSHING IF NECESSARY) PER SEC. 208-2 OF STD. SPECIFICATIONS.
11. IF DURING SEWER CONSTRUCTION, GROUND WATER IS ENCOUNTERED, THE ALLOWABLE INFILTRATION SHALL NOT EXCEED 200 GALLONS PER INCH DIAMETER (OF PIPE), PER MILE, PER DAY.
12. 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.
13. CONSTRUCTION IN STATE HIGHWAYS SHALL CONFORM WITH STATE HIGHWAY PERMIT AND THE CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION THEREWITH.
14. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 306-2.3.7 OF STANDARD SPECIFICATIONS AND PER SPECIAL PROVISIONS.
15. RESURFACING SCHEDULE: RESURFACE TRENCH WITHIN PAVED AREA WITH PREMIX ROCK AND OIL IN KIND AND THICKNESS. RESURFACING METHODS SHALL BE IN ACCORDANCE WITH SEC. 306-1.12 OF THE SPECIAL PROVISIONS.
16. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER.
17. FOR LEGEND SEE STANDARD PLAN S-1.
18. ALL SEWER PIPES AND APPURTENANCES SHALL BE ABANDONED IN ACCORDANCE WITH SECTION 306-3 OF STANDARD SPECIFICATIONS.
19. BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPT. DISTRICT OFFICE No 556, AND PAY A FEE TO THE COUNTY ENGINEER, 9150 E. IMPERIAL HIGHWAY, DOWNEY, CA. OR AT THE NEWHALL REGIONAL OFFICE, 24627 N. ARCH ST. NEWHALL, CA., TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
20. ALL CONCRETE CROSS GUTTERS, CURBS, GUTTERS, PAVEMENT, AND DRIVEWAYS SHALL BE TUNNELED OR JACKED PER LOS ANGELES COUNTY ROAD DEPARTMENT REQUIREMENTS, EXCEPT AS NOTED.
21. APPROVAL OF THIS PLAN BY THE COUNTY OF L.A. DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR EXISTENCE OR NON EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT.
22. PRIOR TO TRENCH EXCAVATION, THE CONTRACTOR SHALL SUBMIT TO AND OBTAIN APPROVAL FROM THE COUNTY ENGINEER OF A DETAILED PLAN SHOWING THE DESIGN OF SHORING, BRACING, SLOPING OR OTHER PROVISIONS FOR WORKER PROTECTION FROM HAZARD OF CAVING GROUND. IF SUCH PLAN VARIES FROM THE SHORING SYSTEM STANDARDS ESTABLISHED BY CONSTRUCTION SAFETY ORDERS, IT SHALL BE PREPARED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

LEGEND	S-1
MINIMUM EXCAVATION SAFETY REQUIREMENTS	S-2
BRICK MANHOLE AND PRE-CAST NON REINFORCED CONC. M.H.	S-3 & S-36
MANHOLE FRAME AND COVER	S-35
MANHOLE STEP	S-17
BEDDING FOR SEWER PIPE	S-21
SPECIAL SUPPORT AND PROTECTION	S-22
CRADLING AND ENCASEMENT	S-23
STANDARD WYE SUPPORT	S-26
STOPPER	S-30
ANCHOR BLOCK	S-24
BAFFLE BOARD DETAIL	S-31
ALLOWABLE TRENCH WIDTHS	S-33

THE UNDERGROUND UTILITY COMPANIES WITHIN THE LIMITS OF THIS PROJECT ARE AS FOLLOWS:

(1) Pacific Lighting Service & Supply Co.
(2) Southern California Gas Co.
(3) County Honor Farm Water System
(4) Atlantic Richfield Co.
(5) Texaco Incorporated
(6) Southern California Edison Co.
(7) Pacific Telephone & Telegraph
(8) County Honor Farm Gas System

HARVEY T. BRANDT COUNTY ENGINEER

APPROVED BY Richard M. Cron 3-21-72
ASST. SANITATION DIVISION ENGINEER

J. D. PARKHURST
CHIEF ENGINEER OF COUNTY SANITATION DISTRICT NO. 32

APPROVED BY [signature]
OFFICE ENGINEER

DESIGNED BY [signature] 3-21-72
REG. C. E. NO. 10443

NOTES:

WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1970 EDITION WITH 1971 SUPPLEMENTS) AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED APR. 7, 1970 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE COUNTY ENGINEER.

GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURB, CENTER LINE OF STREET OR CENTER LINE OF ALLEY ARE SHOWN BY CIRCLES ON PROFILES. AT ALL POINTS BETWEEN DESIGNATED POINTS THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.

ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S., SEA LEVEL DATUM OF 1929.

UNIT PRICES FOR ADDITIONAL WORK WHICH MAY BE REQUIRED BUT WHICH CANNOT BE ASCERTAINED IN ADVANCE, SHALL BE SUBMITTED IN THE PROPOSAL.

THIS DRAWING AND THE DATA HEREON ARE HEREBY MADE A PART OF THE SPECIFICATIONS.

44194

LAYOUT	Esquer-Ten		UNDERGROUND		
TRACED	Esquer-Ten		BENCH MARKS		
CHECKED	Mocianu		MAINTENANCE		
F.B. 3902			INSPECTOR		
A.B.	W.S. 45		RECORD PLANS		

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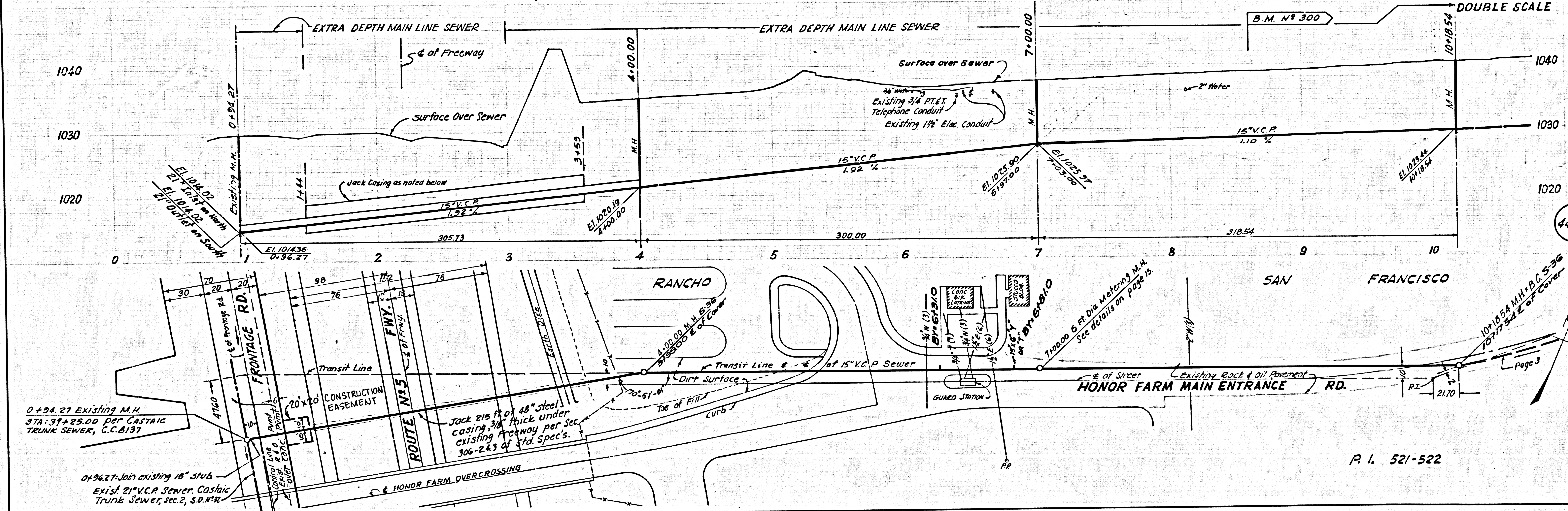
DOUBLE SCALE



44195

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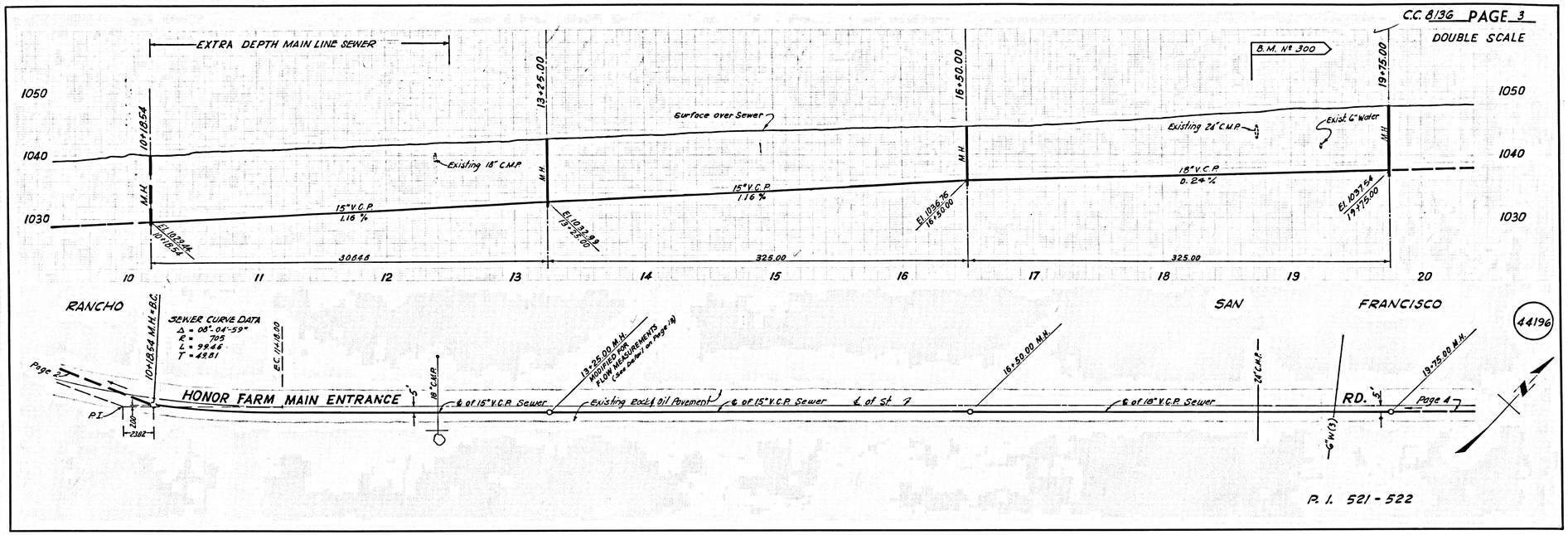
DOUBLE SCALE



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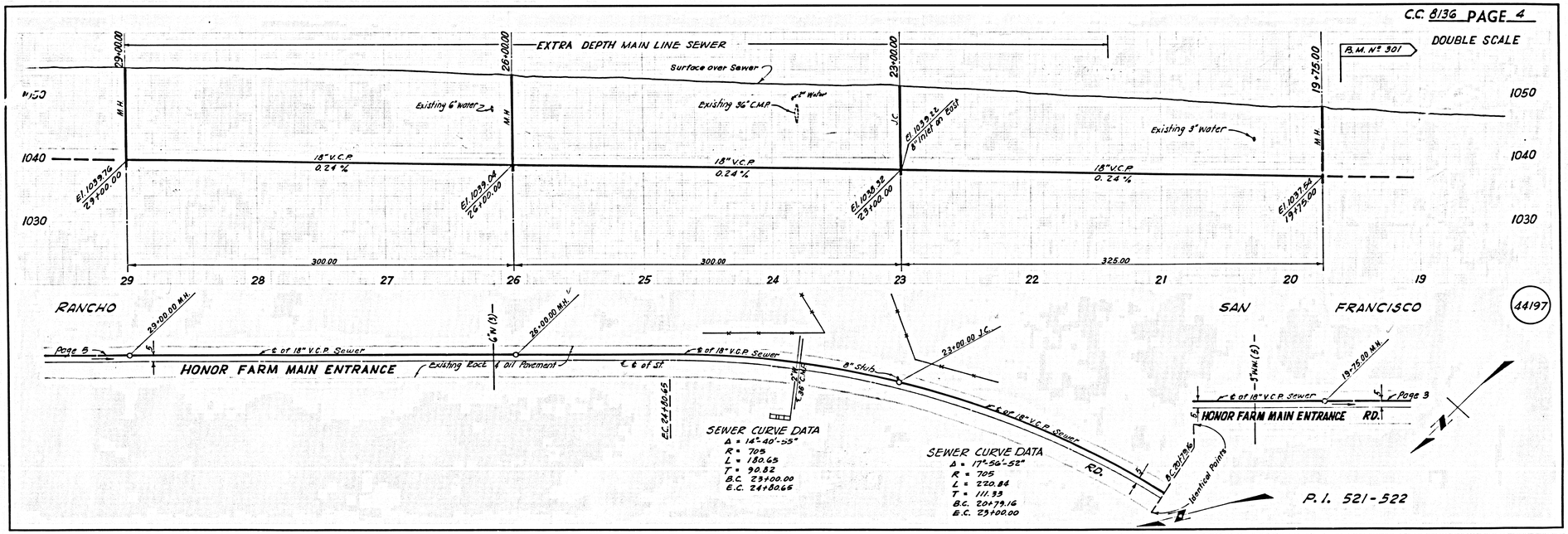

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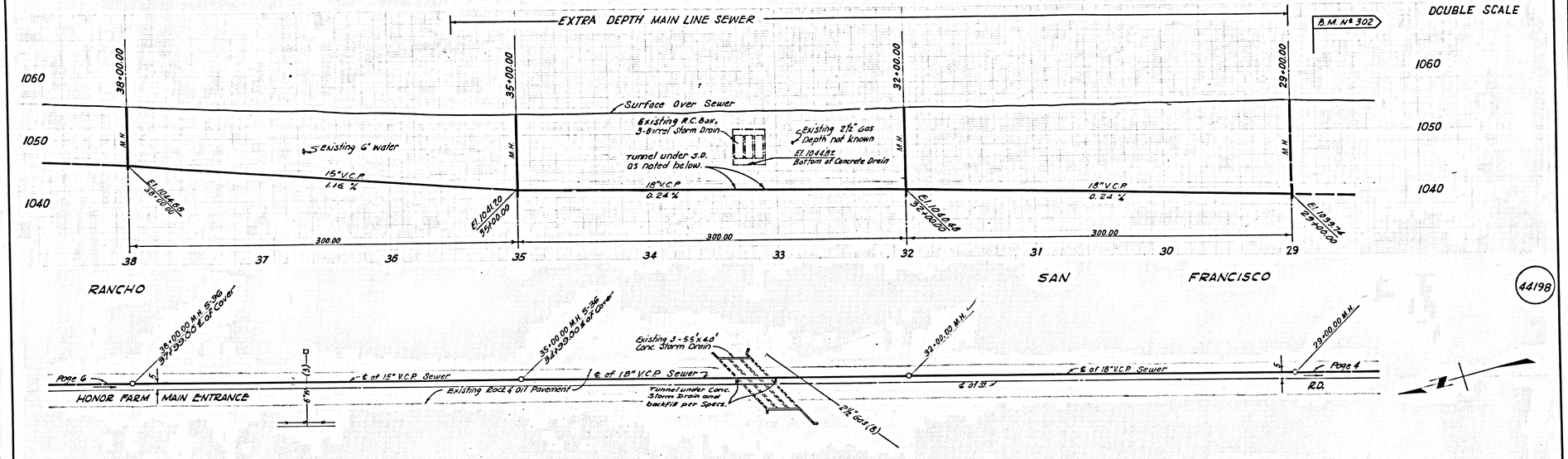

44198

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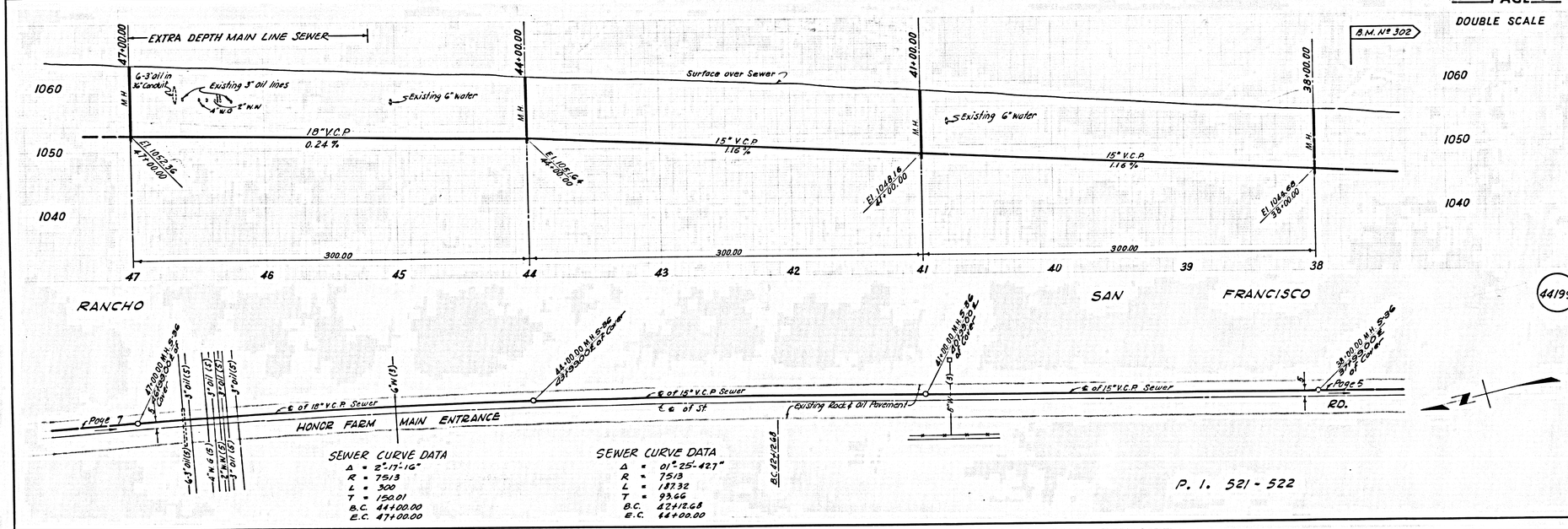

SEWER CURVE DATA
Δ = 2°-11-16"
R = 7513
L = 300
T = 150.01
B.C. 44+00.00
E.C. 47+00.00

SEWER CURVE DATA
Δ = 01°-25-42.7"
R = 7513
L = 187.32
T = 93.66
B.C. 42+12.68
E.C. 44+00.00

B.C. 42+12.68

44199

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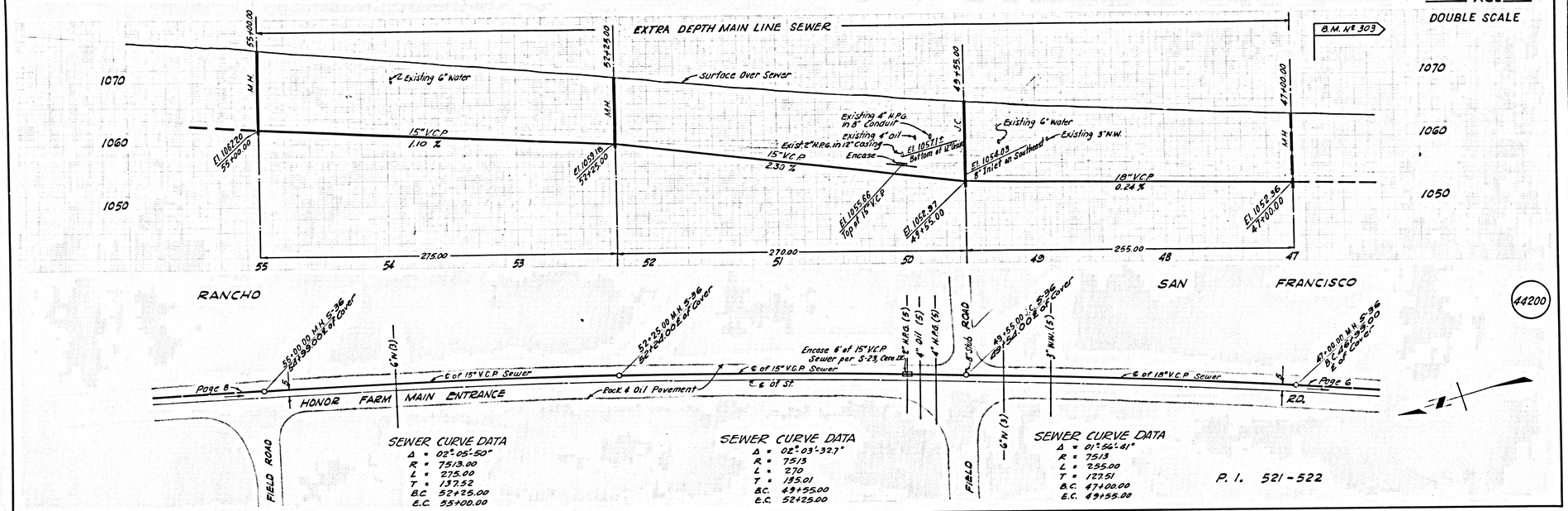

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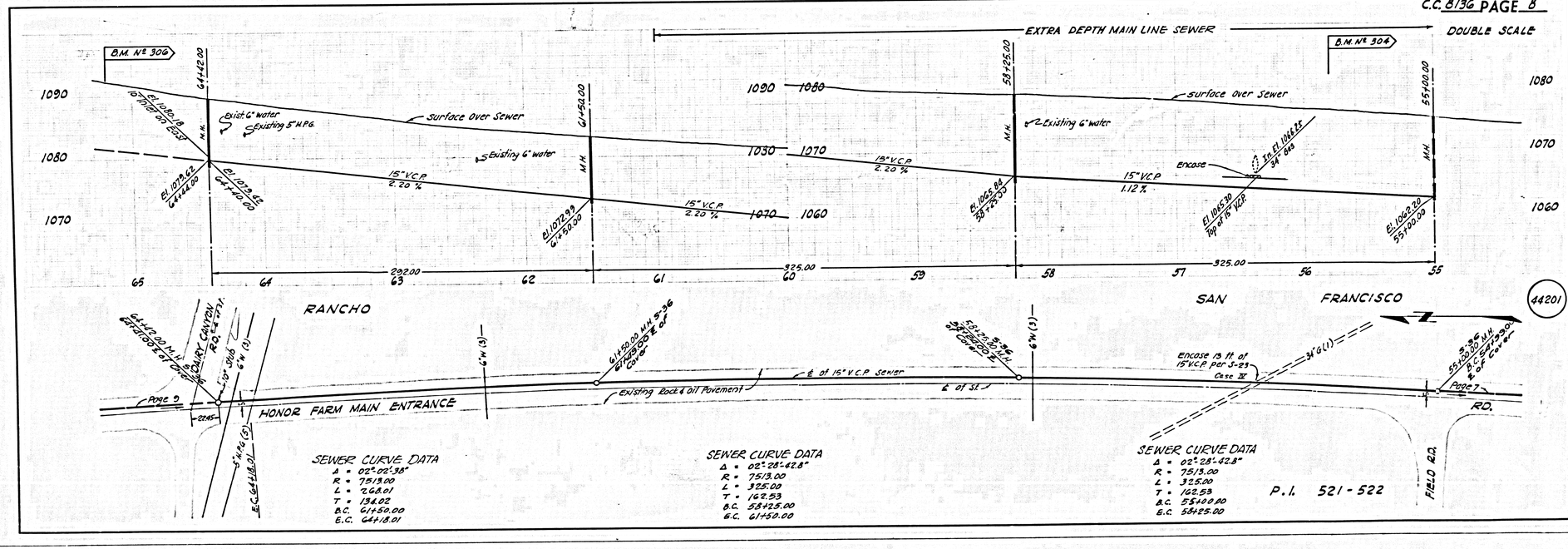

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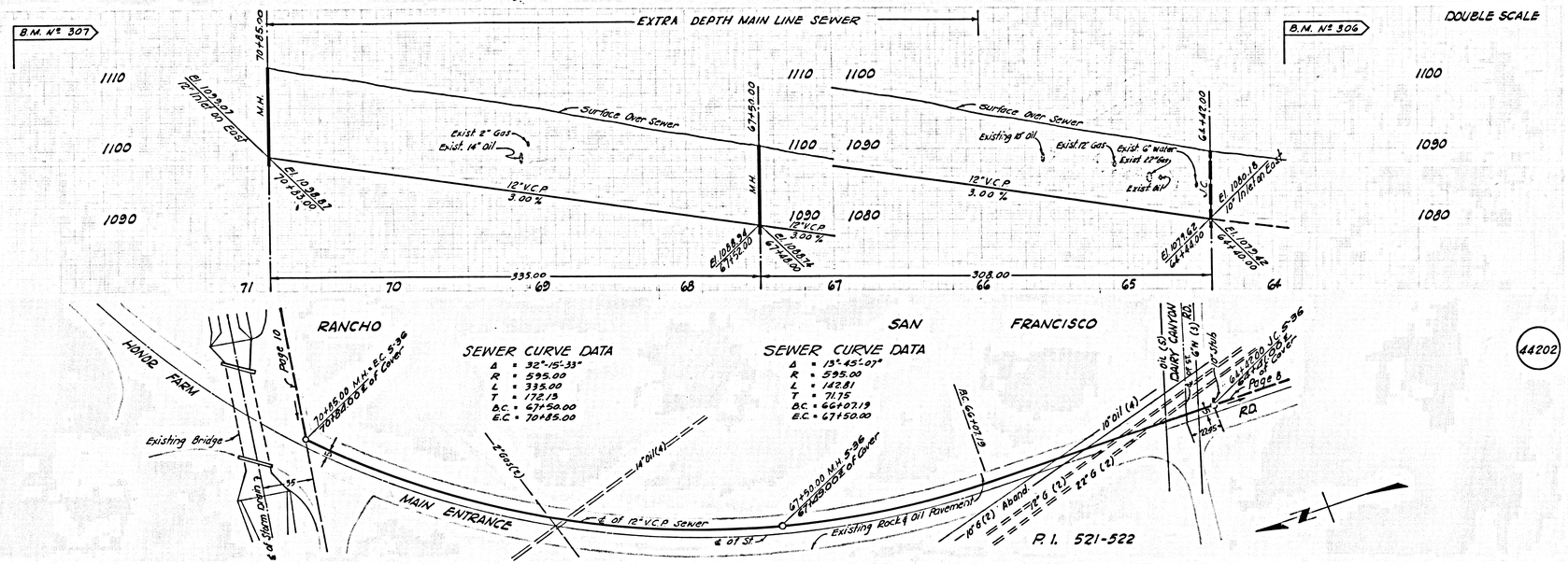

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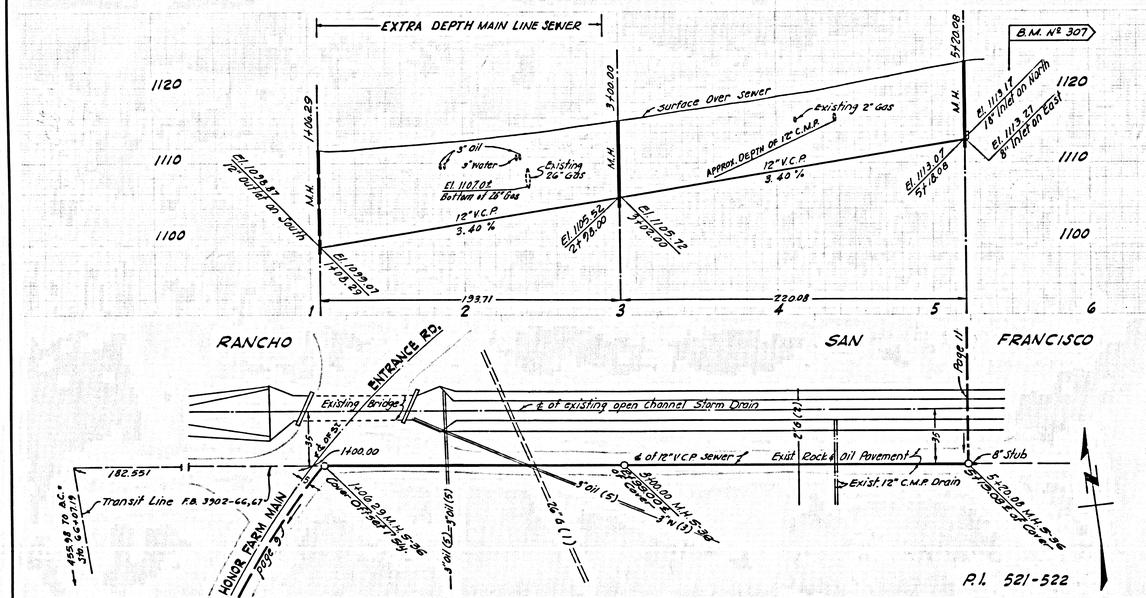

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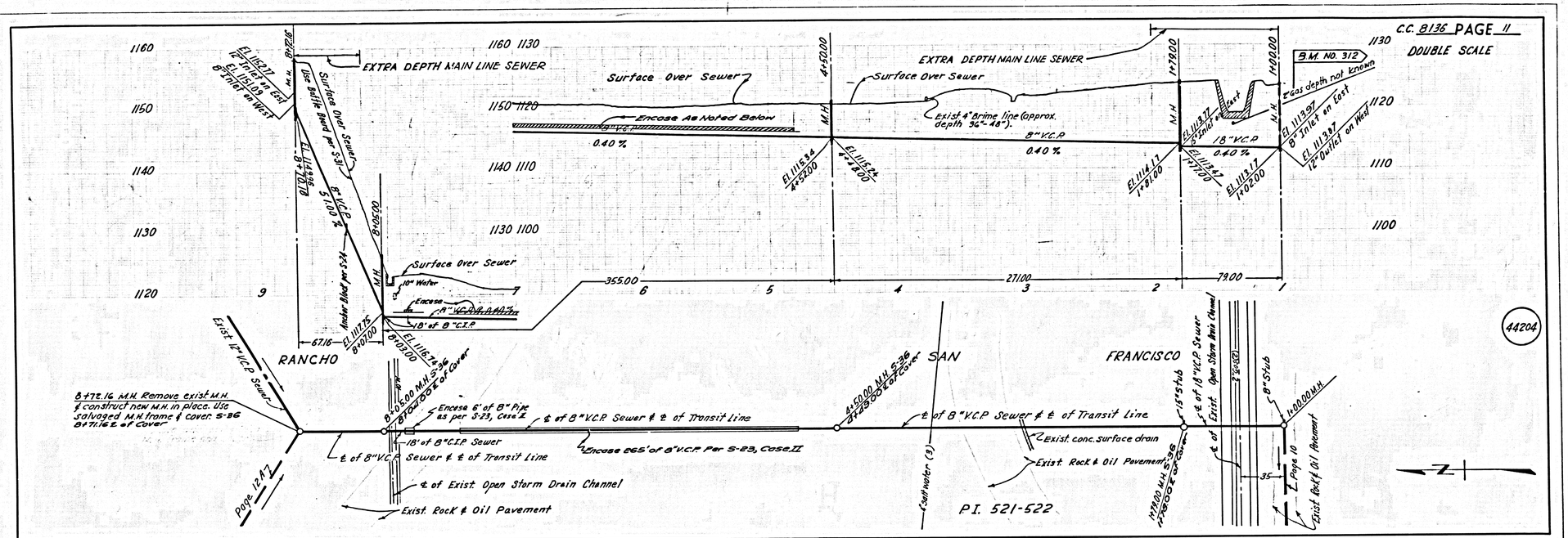

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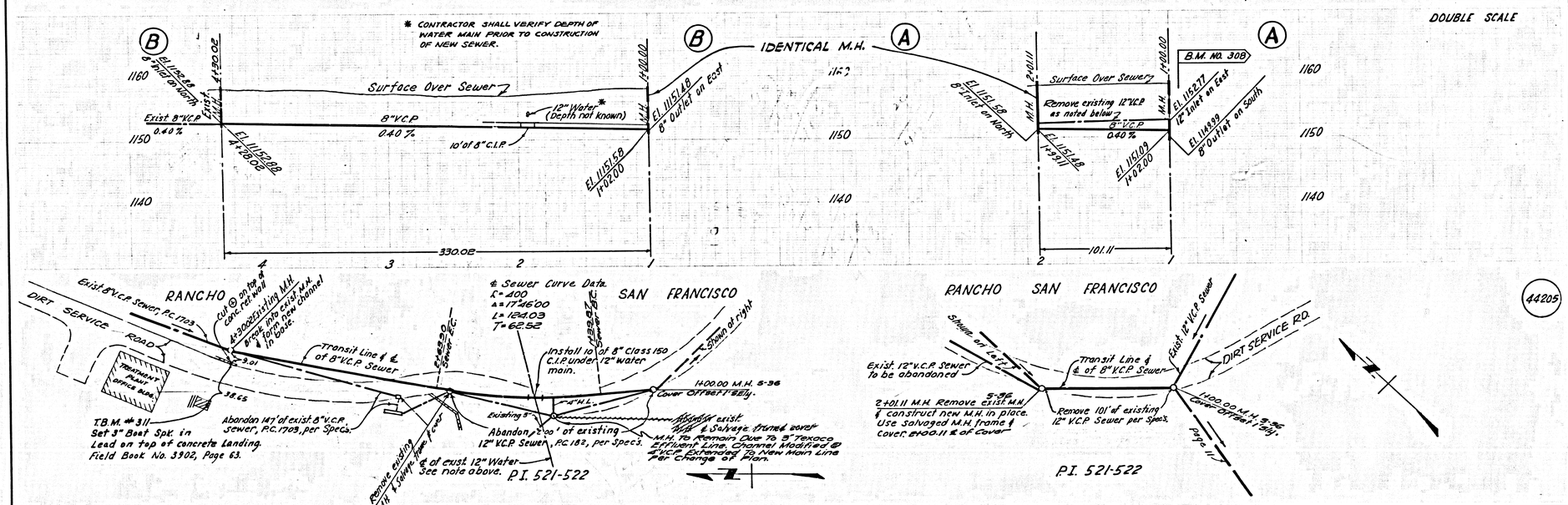
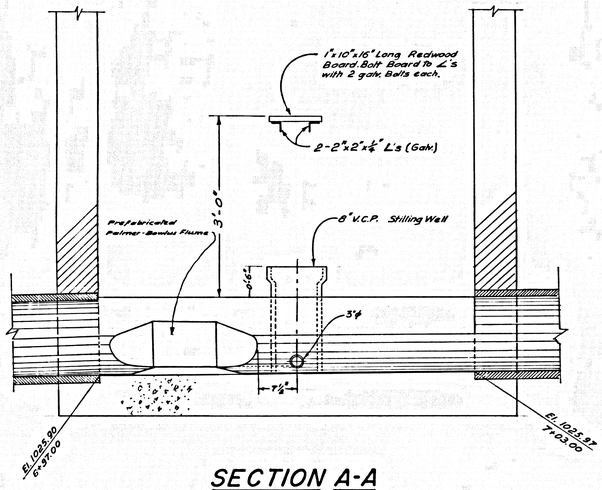
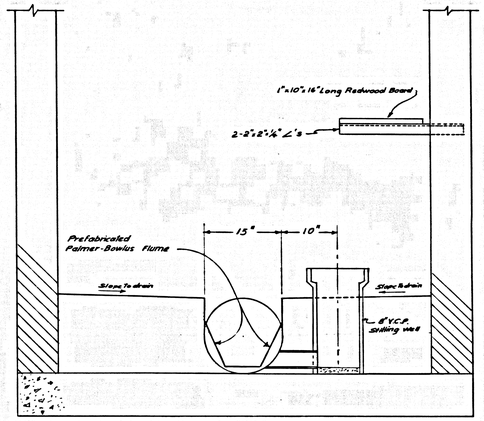




SECTION A-A



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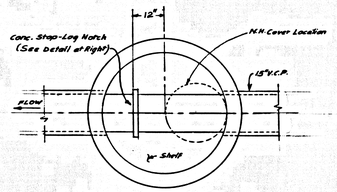
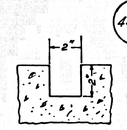


M.H. BASE DETAIL STA. 13+25.00

(SCALE ½" = 1'-0")

MODIFIED FOR FLOW MEASUREMENT. USE "V" NOTCH WEIR PLATE OR RECTANGULAR WEIR PLATE FOR MEASURING FLOWS TOO LOW TO MEASURE THROUGH P-B FLUME.

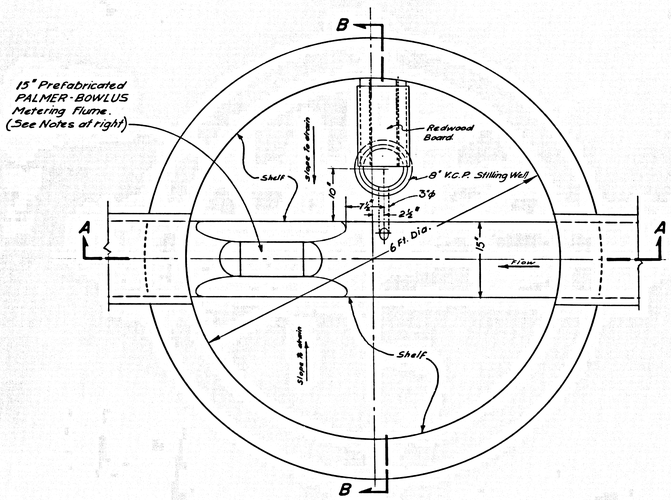
44206



CONC. STOP-LOG NOTCH DETAIL

(NO SCALE)

FORM NOTCH WITH STYROFOAM AND REMOVE AFTER CONC. IS SET.



PLAN VIEW

NOTES:

THE 15" PREFABRICATED PALMER-BOWLUS FLUME SHALL BE OF STAINLESS STEEL MANUFACTURED BY HINDS ENGINEERING CO. (OR APPROVED EQUAL) AND SHALL HAVE A MAX. METERING CAPACITY OF 3.4 C.F.S.

THE CONTRACTOR SHALL OBTAIN FROM THE MANUFACTURER AND SUBMIT TO THE COUNTY ENGINEER FOR APPROVAL, TWO SETS OF DRAWINGS SHOWING THE DIMENSIONS OF THE FLUME, THE LAYOUT OF THE FLUME IN THE MANHOLE AND THE METHOD OF ANCHORING THE FLUME IN PLACE.

THE CONTRACTOR SHALL PROVIDE THE COUNTY ENGINEER 6 (SIX) COPIES OF THE RATING CURVE.

METERING MANHOLE STA. 7+00.00 - DETAILS

SCALE 1" = 1'