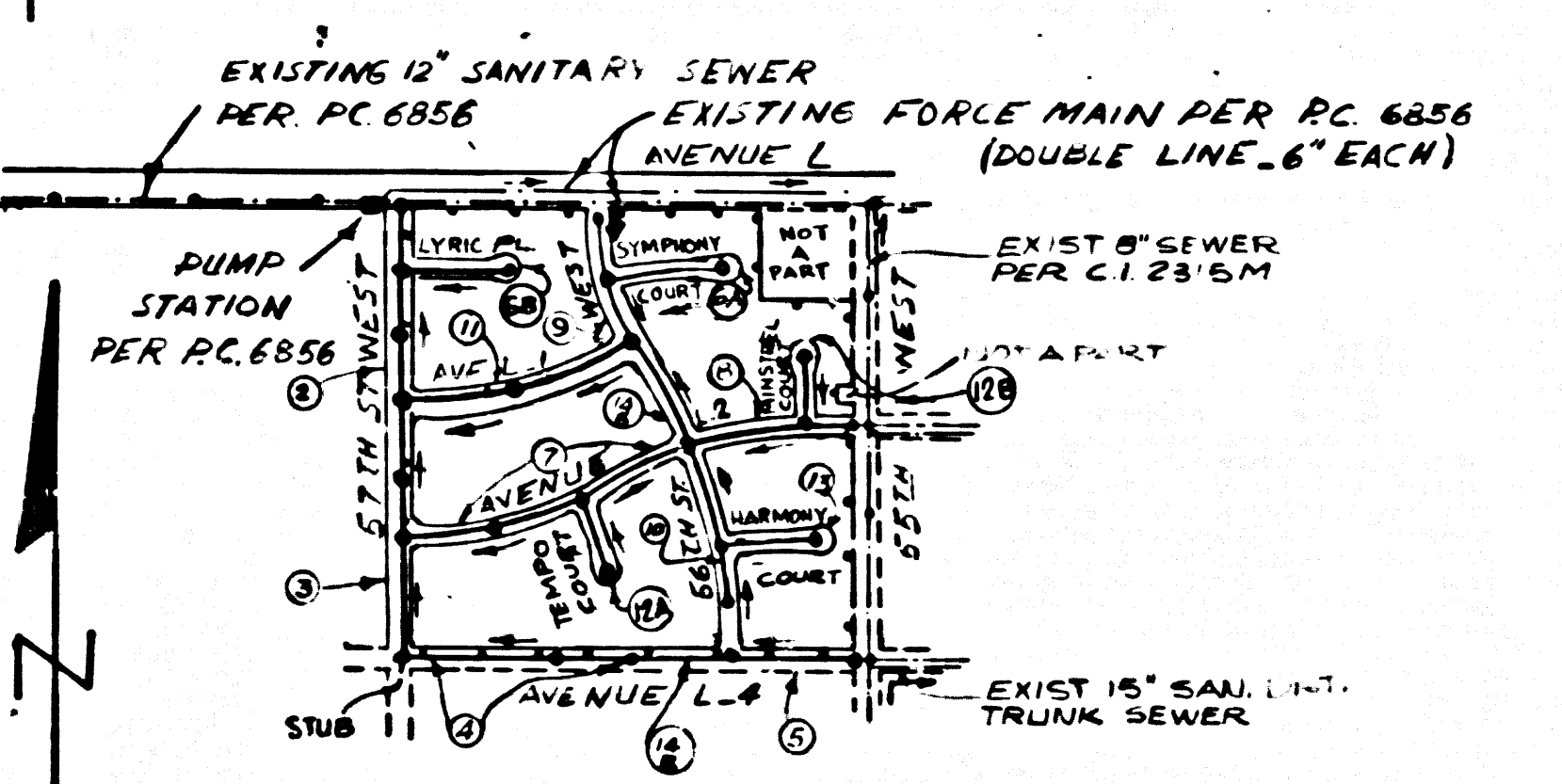


B.M. CL 4387 ELEV. 2438.004
 RD. B.M. TAG NW COR. CONC. SLAB
 62 FT. S. and 259 FT. E. INT. AVE. L.
 and 50TH ST. W. LEAD MARKED 741
 LANCASTER QUAD. 1981



INDEX MAP
 P.C. 10528 TR. No. 39910
 COUNTY OF LOS ANGELES

NOTE:
 NUMBERS IN CIRCLES
 INDICATE PAGE NUMBERS

SCALE = 1" = 600'

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER UTILITIES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UNDERGROUND SERVICE ALERT AT 1-800-421-4132 TWO WORKING DAYS PRIOR TO ANY EXCAVATION OR CONSTRUCTION.

Fernando Miera
 REGISTERED ENGINEER R.C.E. NO. 24908

CONSTRUCTION NOTES CONT.

18. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A B.S. COMPOSITE PIPE.
19. MANHOLE WATER STOP GASKETS AND CLAMPS ARE REQUIRED FOR THE CONNECTION OF A B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
20. A B.S. SOLID WALL PIPE MUST BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A B.S. COMPOSITE MAINLINE SEWER PIPE.
21. A B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION 3.1.7 OF PART IV OF THE SPECIAL PROVISIONS.
22. THREE DEGREE DEFLECTION COUPLERS ARE REQUIRED FOR RADII OF CURVATURE LESS THAN 300 FEET WHEN USING A B.S. COMPOSITE PIPE.
23. NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A B.S. COMPOSITE PIPE IS USED.
24. SEWER LINE CURVATURE SHALL NOT BE ACHIEVED BY PULLING OF JOINTS OR BEVELING PIPE ENDS WHEN USING PLASTIC PIPE INCLUDING A B.S. COMPOSITE PIPE.
25. ALL WYES AND OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET APART AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.
26. A B.S. SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER.
27. ONLY WYE BRANCHES ARE TO BE USED FOR CONNECTION TO A B.S. COMPOSITE MAINLINE SEWER PIPE.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNTIL A PERMIT FOR THE INDUSTRIAL WASTE WATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS FOR CONNECTIONS.

BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (805) 942-5027 SO THAT THE REQUIRED INSPECTION CAN BE MADE.

NOTE: NO HOUSE CONNECTIONS WILL BE ISSUED UNTIL PUMP STATION WET WELL IS UPGRADED TO THE SATISFACTION OF THE L.A. COUNTY DEPARTMENT OF PUBLIC WORKS.

REVISION NO. 1 DATE: 6/22/88
 1- PROVIDE 8" STUB TO WEST AT STATION 1+02.00 ON SHEET 2 PAGE 4.
 2- PROVIDE SHALLOW MANHOLE AT STATION 3+72.45 ON SHEET 5 PAGE 9.

APPROVED *Sally G. Holli* 7-22-88
 DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES:

1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DEPT. OF PUBLIC WORKS.
3. NO REPRESENTATIVE OF THE DEPT. OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
4. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTERLINE OF STREETS, OR CENTERLINE OF ALLEYS ARE SHOWN BY CIRCLED OR TRIANGLED AT ALL POINTS BETWEEN DESIGNATED POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
5. THE PRIVATE ENGINEER SHALL FURNISH THE DEPT. OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "Y" OR "T" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLANS. MARKED ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT 90° ANGLES FROM THE MAIN LINE SEWER EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS FROM CHIMNEYS SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
6. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.
7. BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE COMD DIVISION OF THE L.A. DEPT. OF PUBLIC WORKS. DEPT. OFFICE IS LOCATED AT THE INTERSECTION OF PUBLIC WORKS, 4000 S. FARMWAY AVE., ALHAMBRA, CALIF. 91803. THE PERMIT FEE MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 100 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
8. IF WORK IS TO BE DONE IN A STATE HIGHWAY, A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 100 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
9. APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION OF OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
10. REFER TO SECTION 7.02.4.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS.
11. PRIOR TO THE ISSUANCE OF THE PROPOSED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPT. OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE COMD DIV. AT THE DEPT. OF PUBLIC WORKS. A PERMIT FOR EXCAVATION AND TRENCHES FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKMAN'S COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 4000 S. FARMWAY AVE., ALHAMBRA, CALIF. 91803. THE PERMIT FEE MUST BE OBTAINED FROM THE COUNTY OF LOS ANGELES TO NOTIFY TO 30 DAYS PRIOR TO CANCELLATION OF PROJECT.

CONSTRUCTION NOTES:

1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1988 EDITION) WITH THE SUPPLEMENT AND DEPT. OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPT. 21, 1978 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPT. OF PUBLIC WORKS.
2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIV. PUBLIC WORKS DEPT. TEL. (213) 208-8281 AT LEAST TWO HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
3. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
4. WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
5. WYE BRANCHES ONLY MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS IF A B.S.C.P. IS USED.
6. ALL S STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S-3 OR PRECAST CONCRETE MANHOLES PER S-38, EXCEPT AS NOTED.
7. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
8. MANHOLE TOPS IN UNIMPROVED AREAS TO BE SIX INCHES ABOVE FINISHED GRADE.
9. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "C" OR "D" PER STANDARD SPECIFICATIONS SECTION 206.2.
10. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER S-23. CASE 4 TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
11. IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MAINLINE OR HOUSE LATERAL SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-23. CASE 4 UNLESS OTHERWISE APPROVED BY THE DEPT. OF PUBLIC WORKS.
12. ALL JOINTS BETWEEN CAST IRON PIPE AND VITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "C" OR "D" WITH BUILDING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 206.2.
13. ALL JOINTS BETWEEN CAST IRON PIPE & A.B.S.C.P. SHALL BE MADE WITH APPROVED FITTINGS.
14. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 306-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
15. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
16. FULL COMPLIANCE WITH SECTION 306-1.3.4 OF THE STANDARD SPEC. WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
17. SPECIAL BACKFILL IN EASEMENT CONSTRUCTION (A) BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR ENGINEERED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT OR BY THE LAND DEVELOPMENT DIVISION. (B) ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY PER A.S.T.M. 510 METHOD OF TEST D959 S7 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIV. PUBLIC WORKS DEPT.

PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWERS
 TO BE CONSTRUCTED
 TRACT NO. 39910
 PRIVATE CONTRACT NO. 10528
 A-289

7 SHEETS, 16 PAGES
 52798

SCALE: HORIZ. 1" = 40'
 VERT. 1" = 40'
 MAY, 1987.

PREPARED IN THE OFFICES OF
 MIERA & ASSOC. - 40712 E. COLORADO BLDG
 GLENDALE, CA. TEL. (818) 243-3995

BY: *Fernando Miera*
 REG. C.E. No. 24908
 L.I.C. EXPIRES 12-13-89

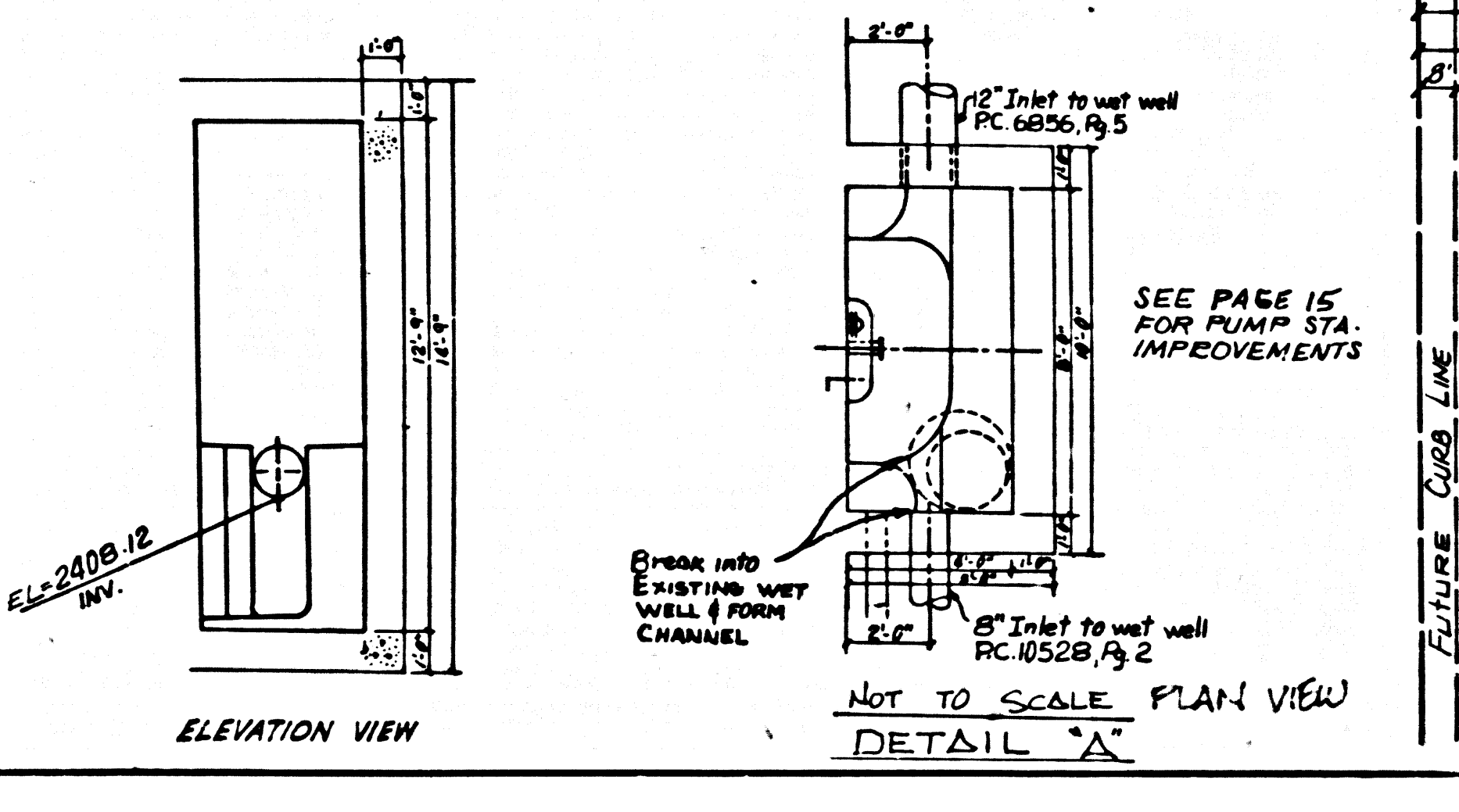
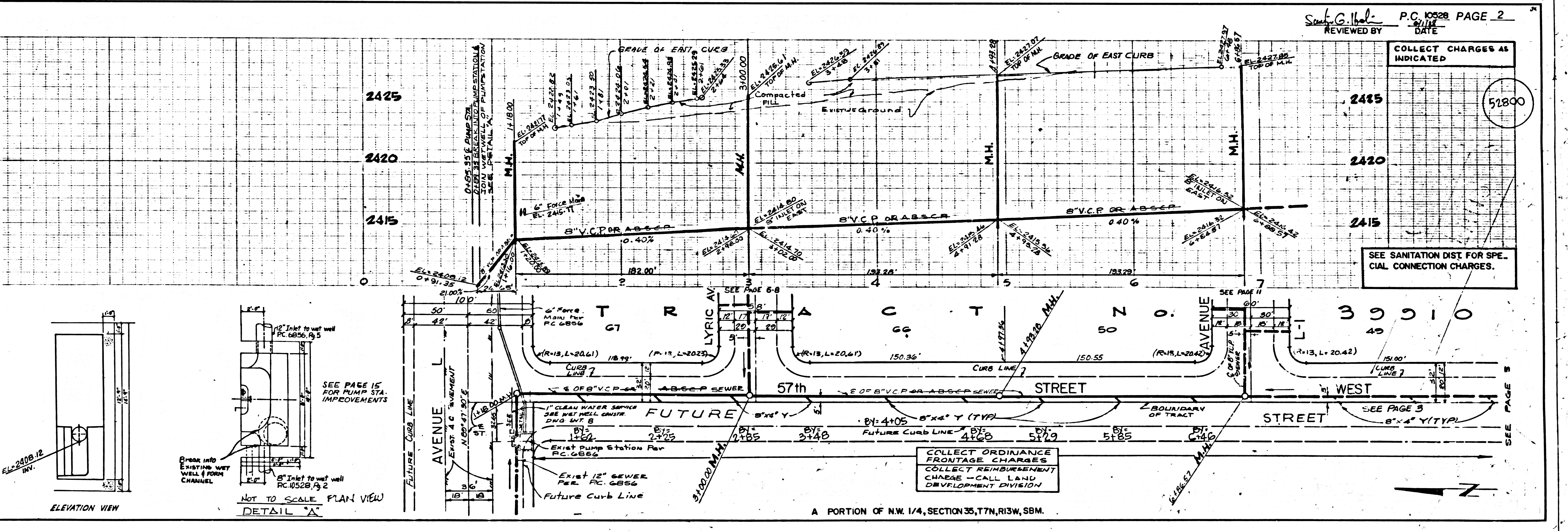
THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT:

LEGEND	
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-1
BRICK SEWER MANHOLE	S-3
STANDARD MANHOLE STOP	S-17
BEADING FOR SEWER PIPE	S-21
CHALKING AND ENGAGEMENT	S-22
WYE OR TEE SUPPORT	S-28
ALLOWABLE TRENCH WIDTHS	S-33
LOCKING MANHOLE FRAME AND COVER	S-38
NON-REINFORCED PRECAST CONCRETE SEWER MANHOLE	S-39
RECTANGULAR SHALLOW MANHOLE	S-37
PRECAST CONCRETE SHALLOW MANHOLE	S-32

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIEMANN, DIRECTOR DEPARTMENT OF PUBLIC WORKS
 CHARLES W. CARRY, CHIEF ENGINEER CO. SAN. DIST. NO. 15

APPROVED *Debra Johnson* 6-2-88 (DATE) APPROVED *[Signature]* (DATE)
 CHECKED *Fernando Miera* 6-2-88 (DATE) DATE 6/6/88

REG. C.E. NO. 19,116
 LANCASTER BLDG. DIST. 8



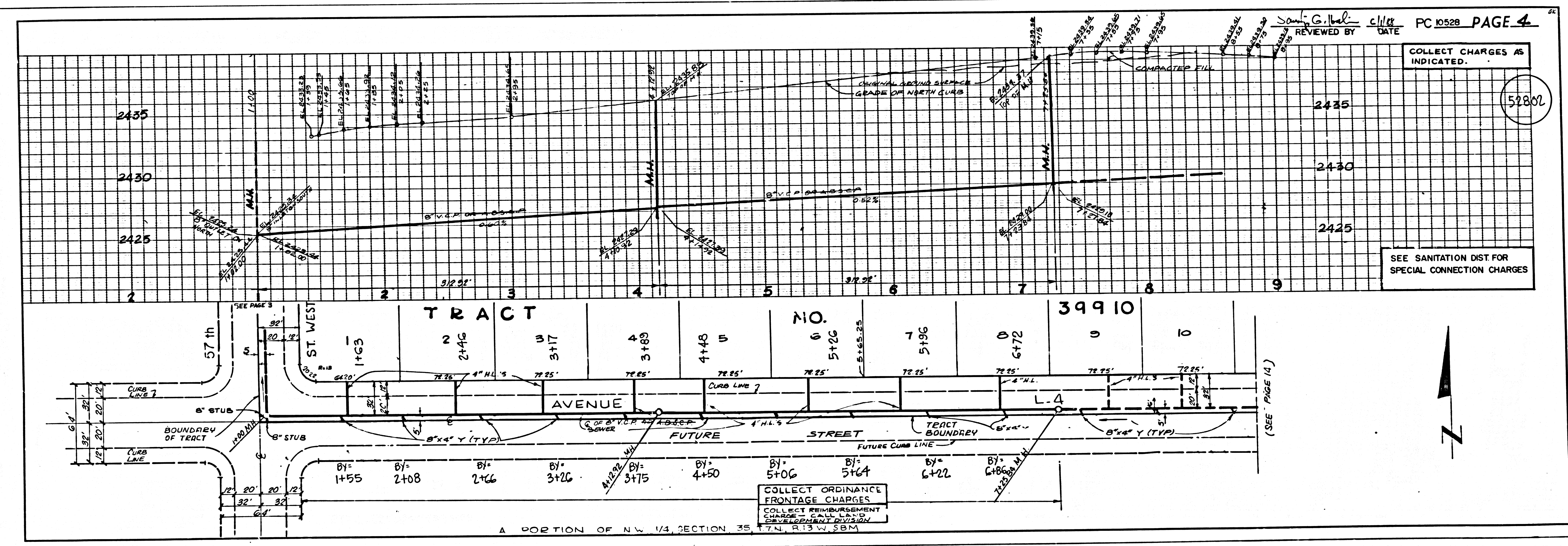
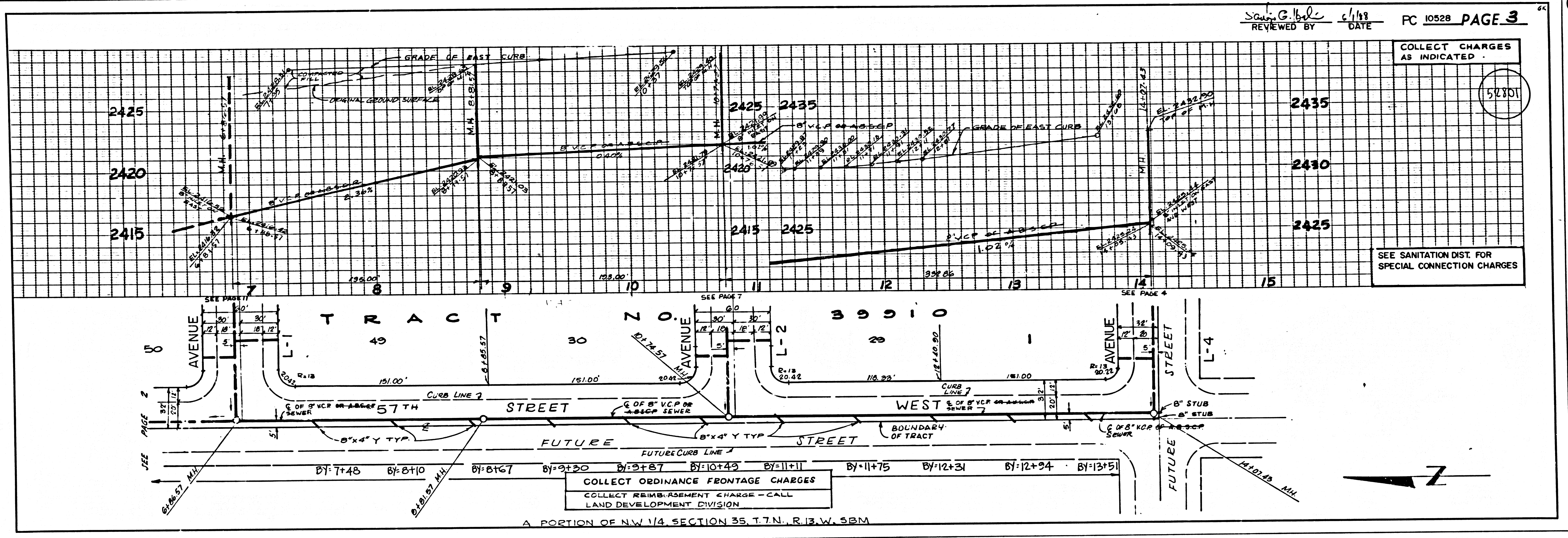
REVIEWED BY *Sally G. Holli* P.C. 10528 PAGE 2
 DATE 6/11/88

COLLECT CHARGES AS INDICATED
 52800

SEE SANITATION DIST. FOR SPECIAL CONNECTION CHARGES.

COLLECT ORDINANCE CHARGES
 COLLECT REIMBURSEMENT CHARGE - CALL LAND DEVELOPMENT DIVISION

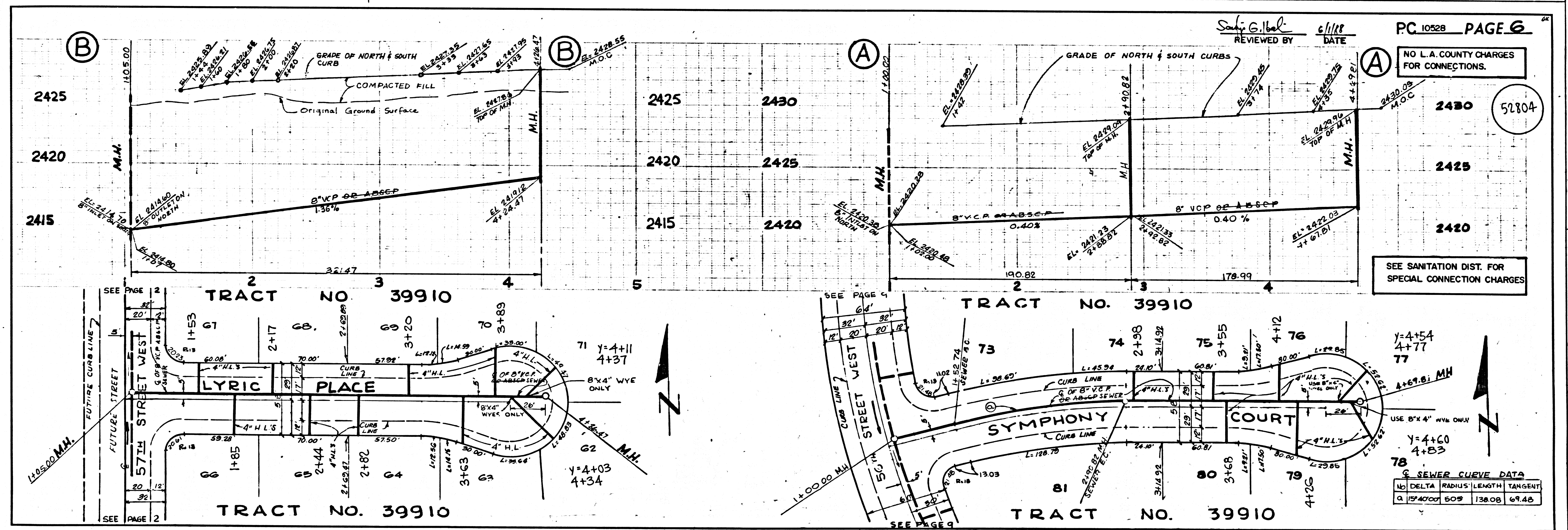
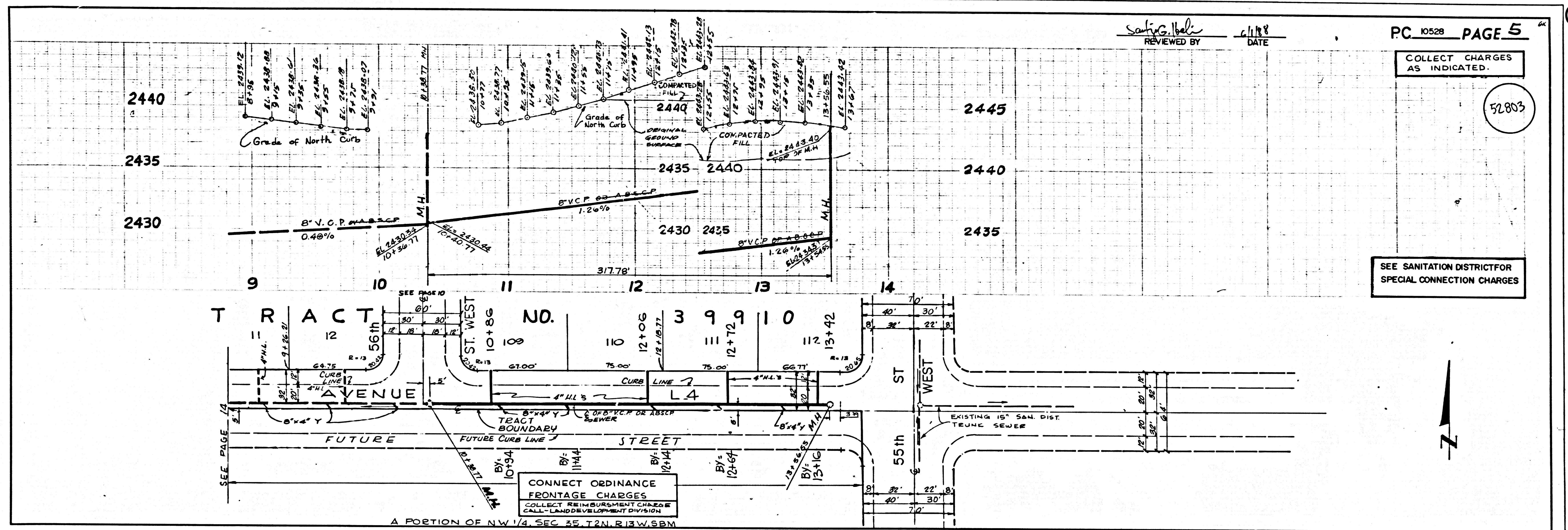
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PC 10528

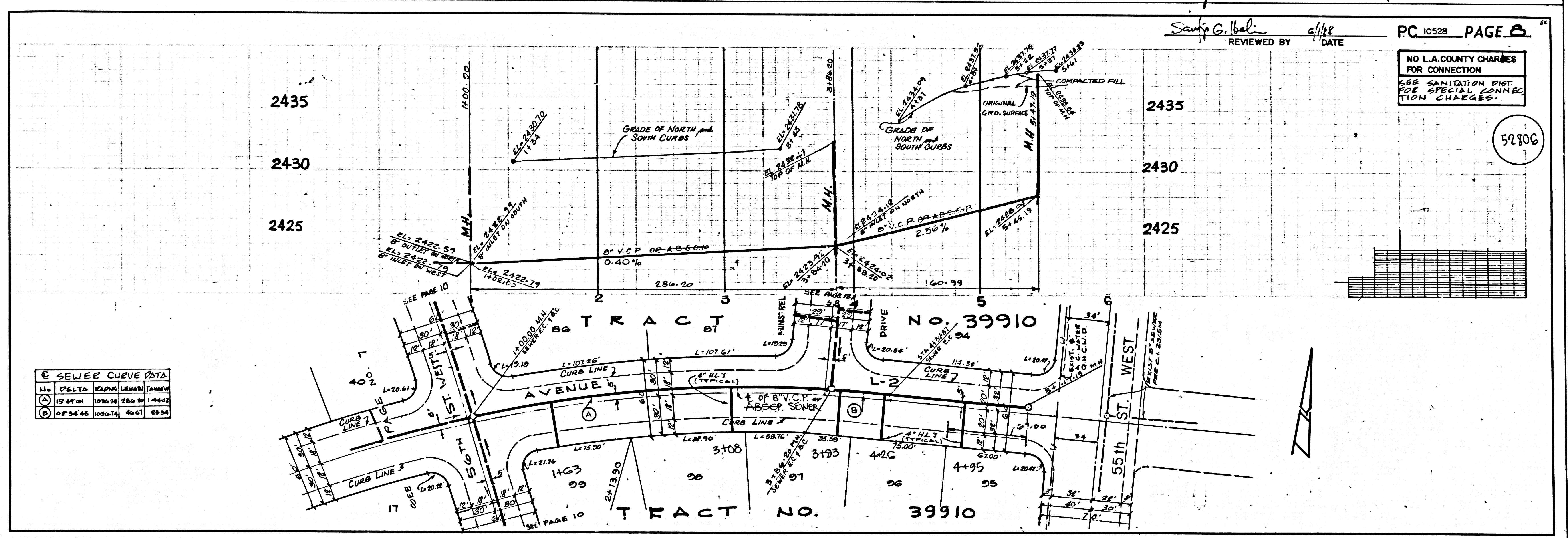
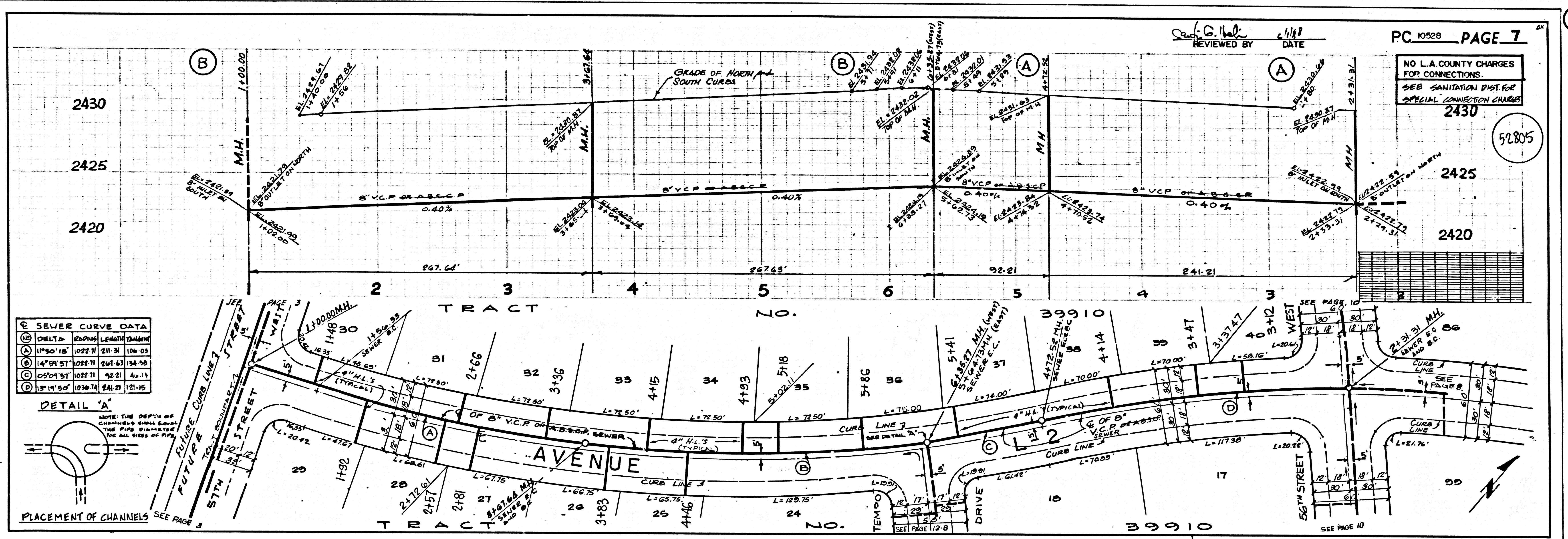
OSAGO LA COUNTY



3

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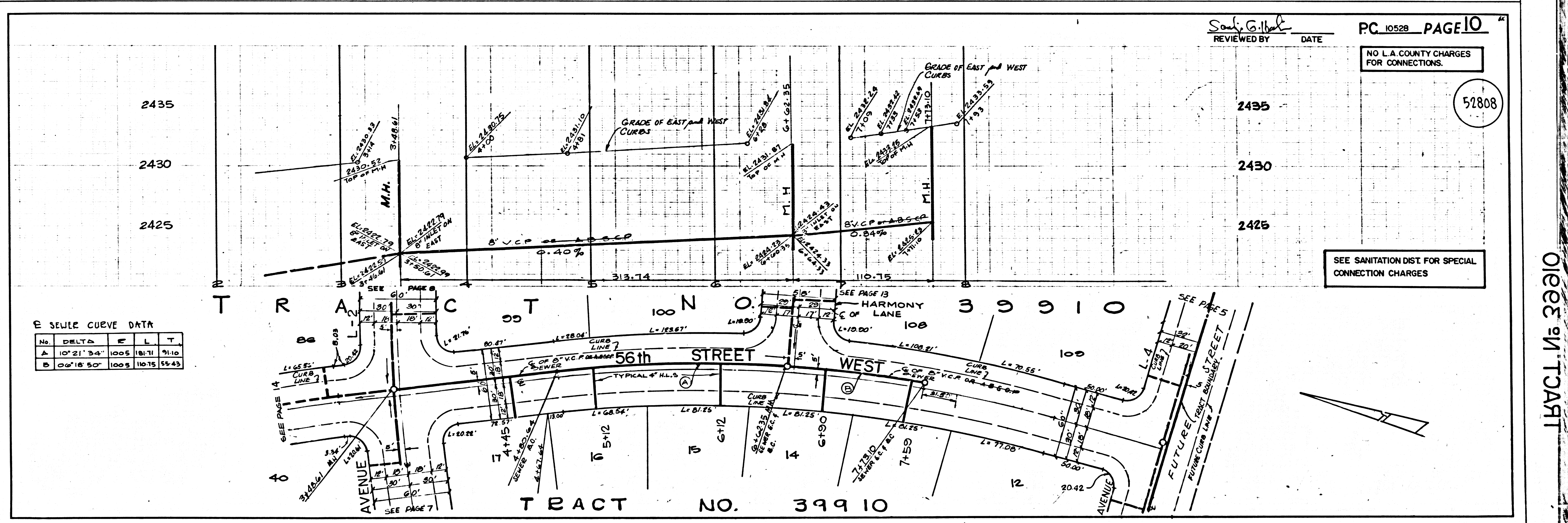
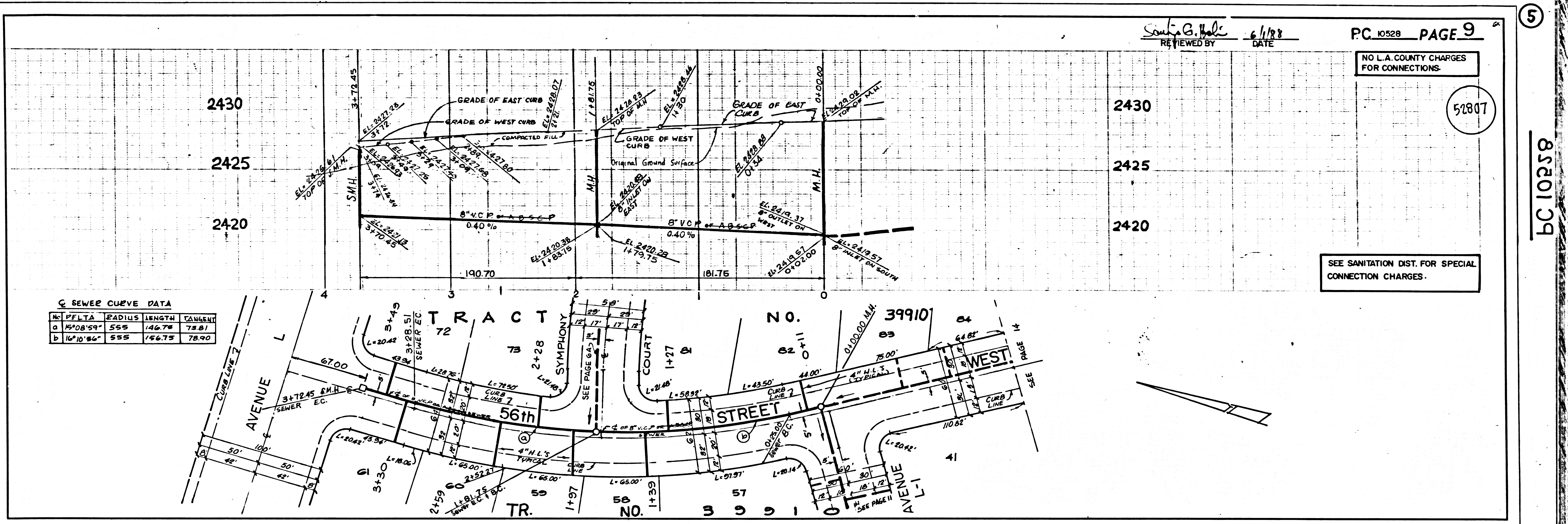
TRACT NO. 39910



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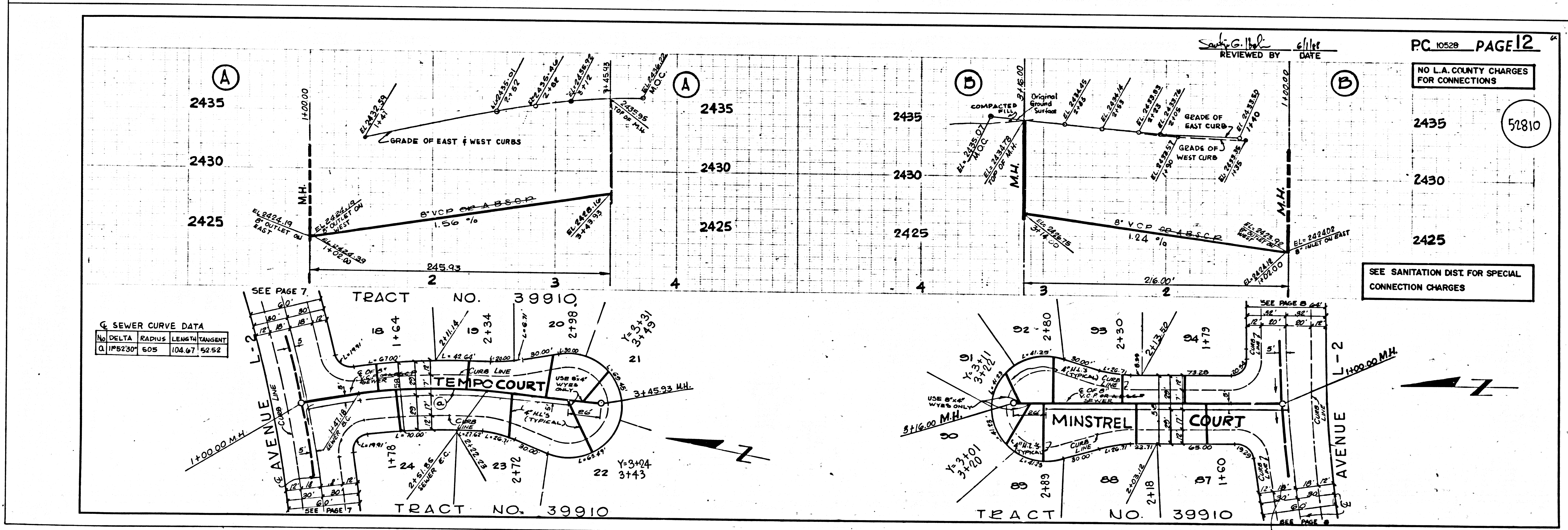
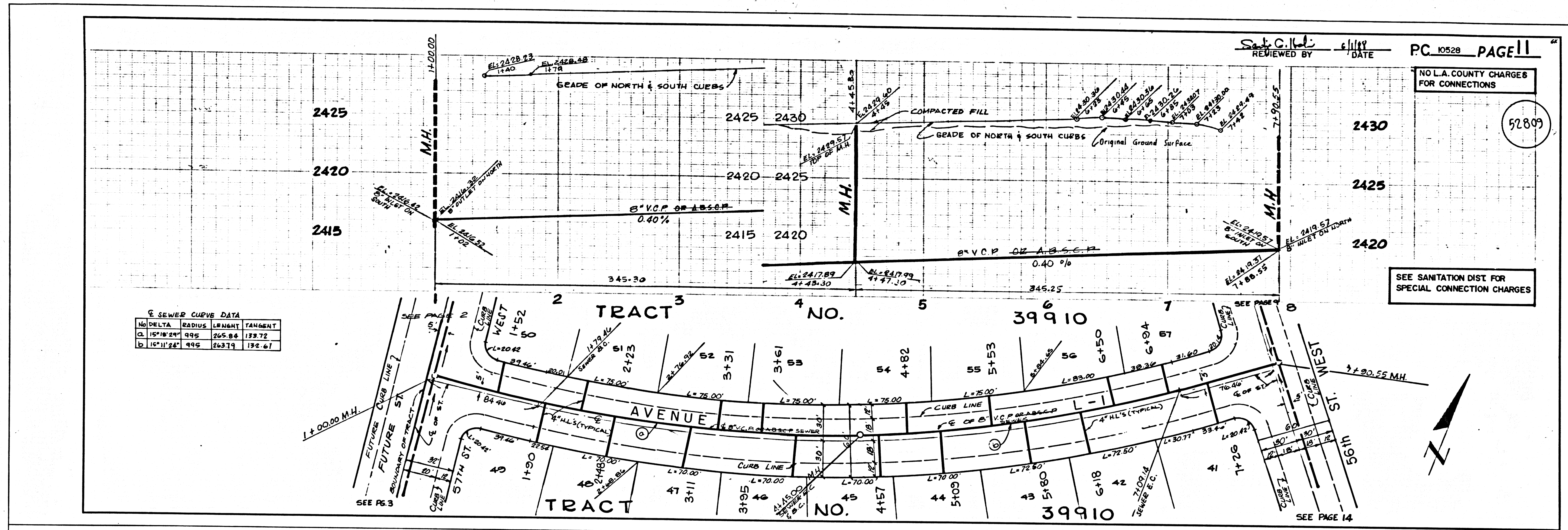
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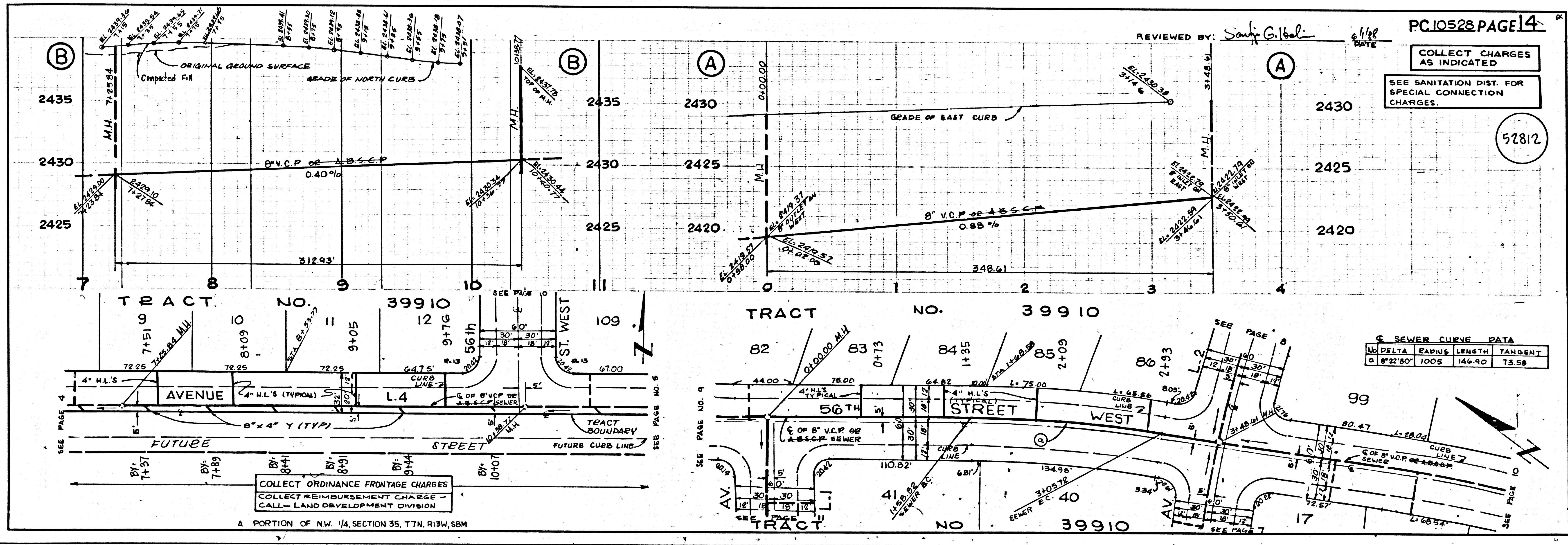
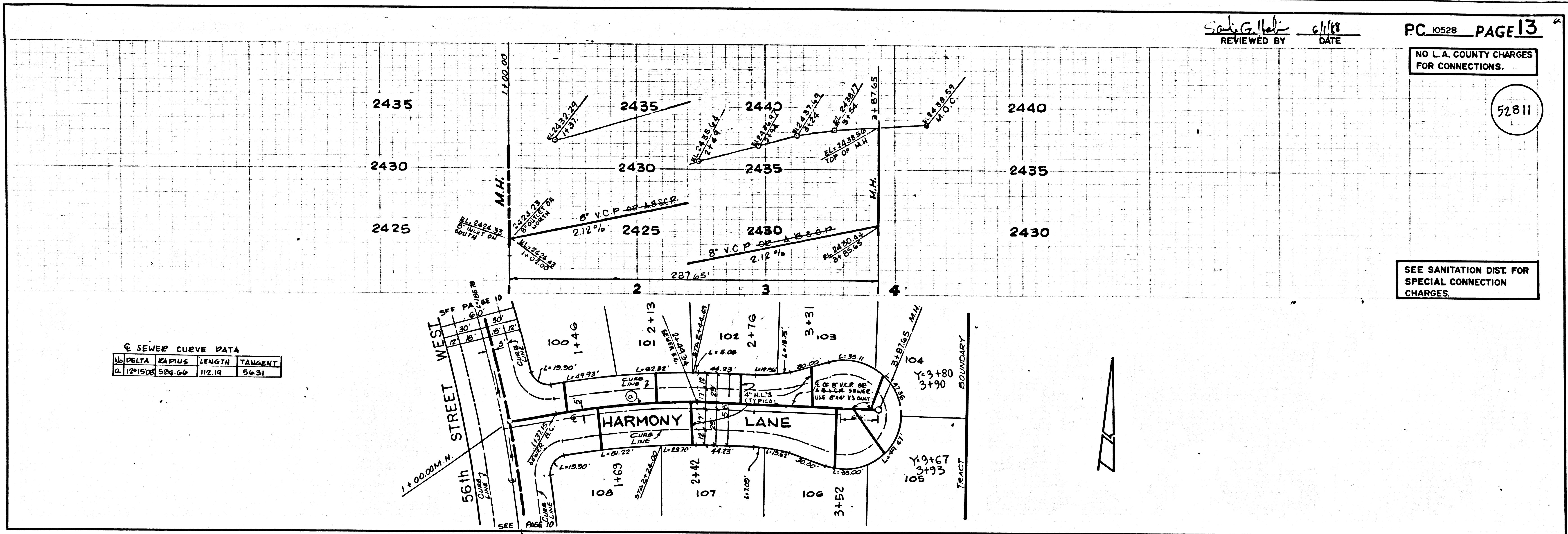
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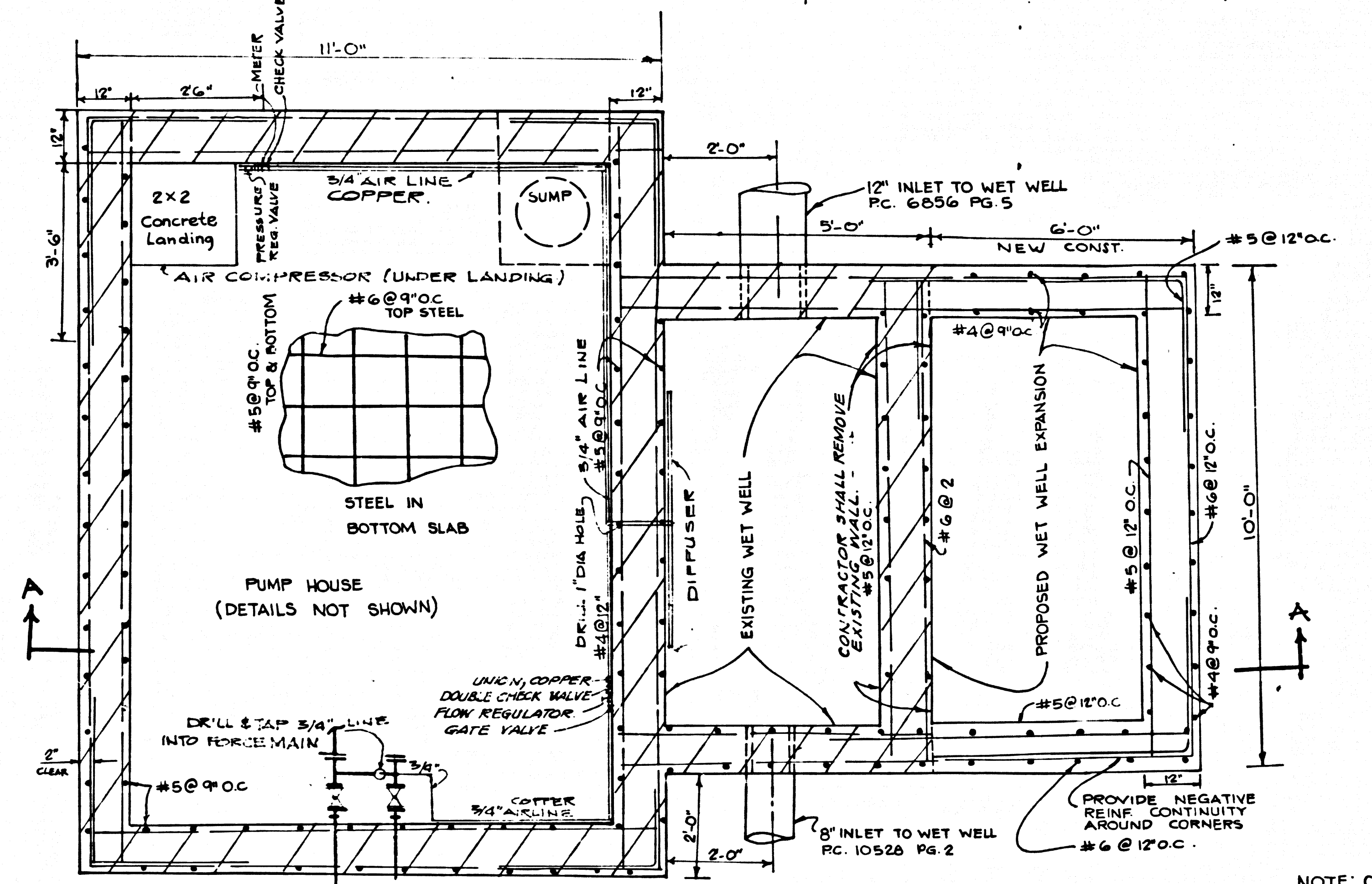
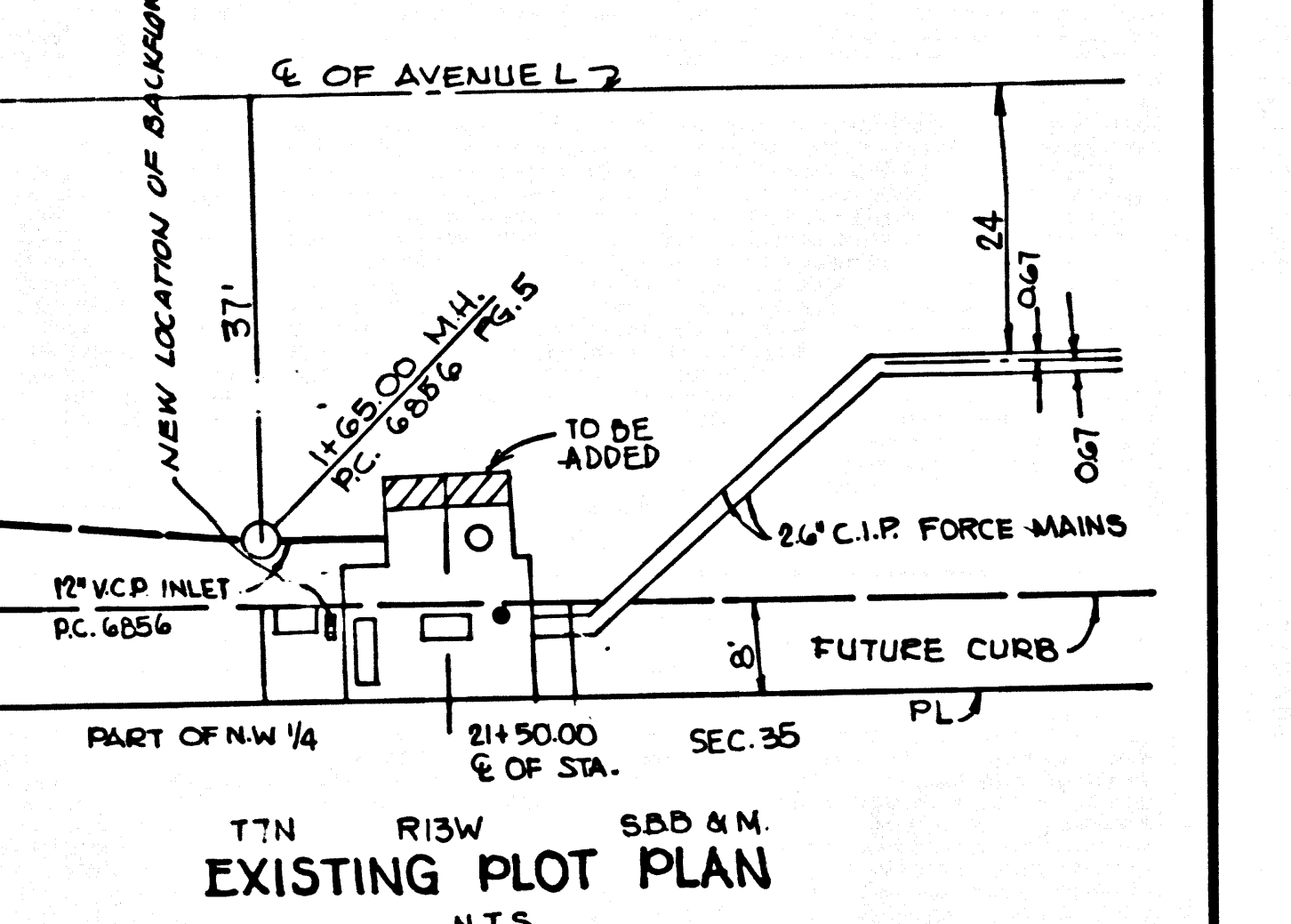
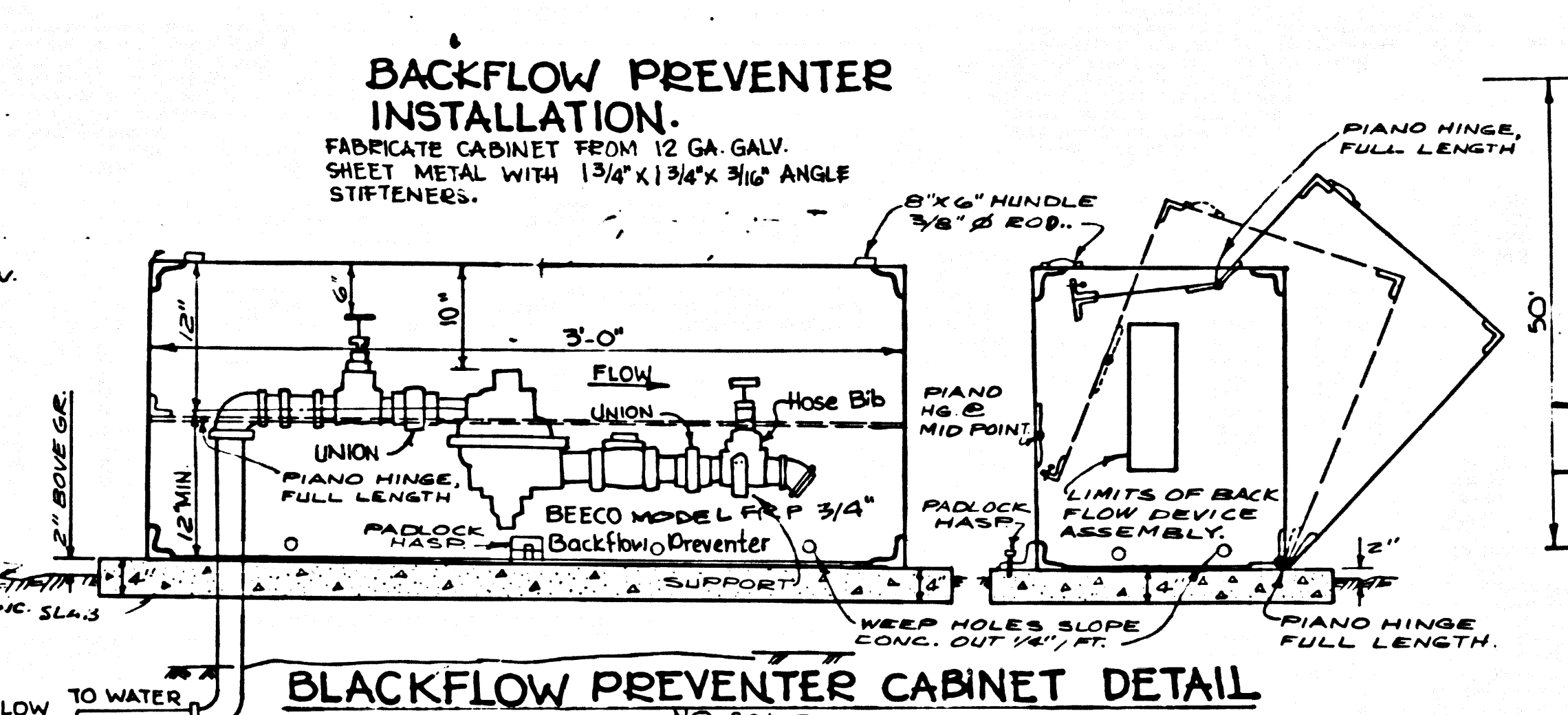
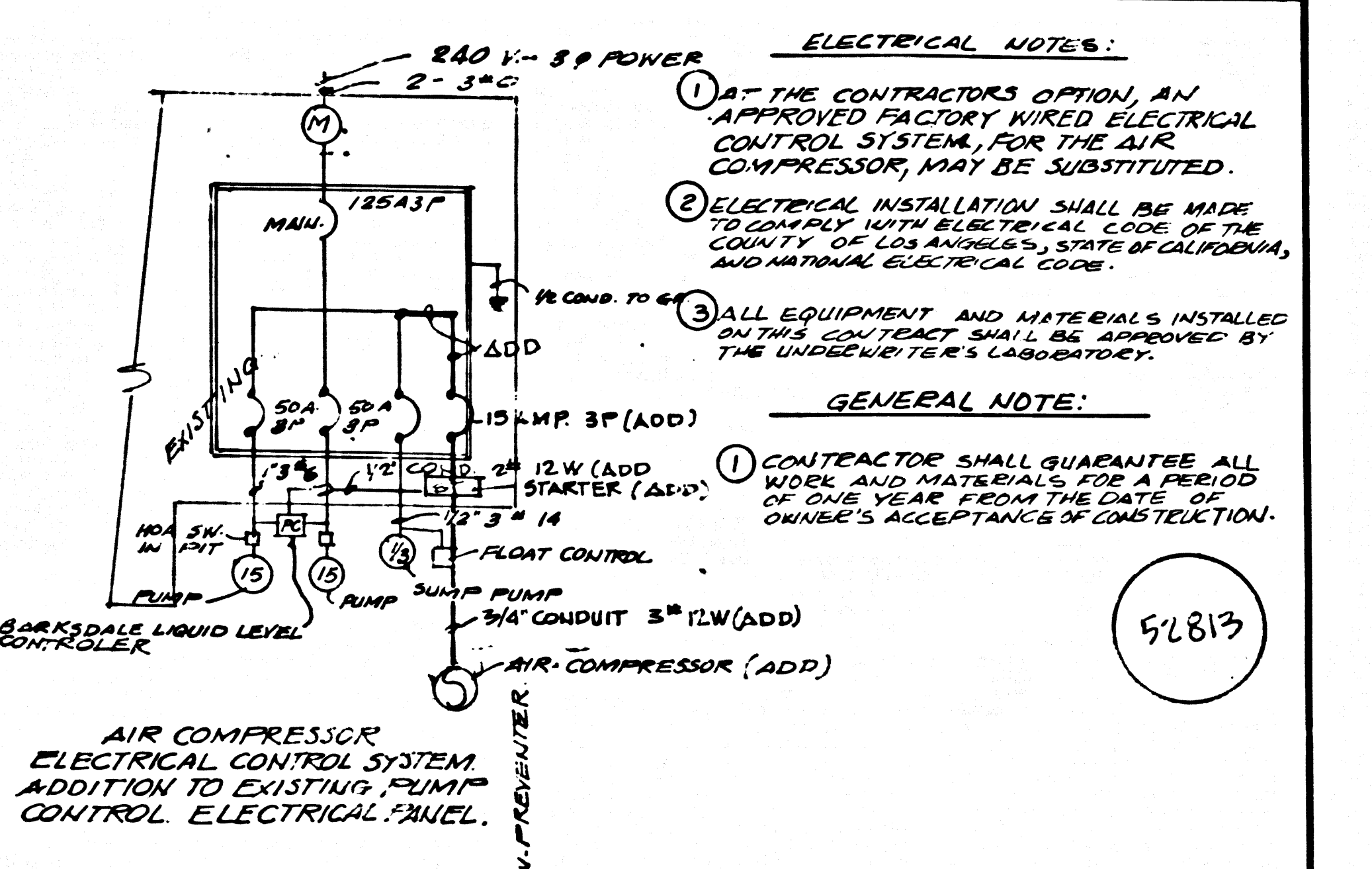
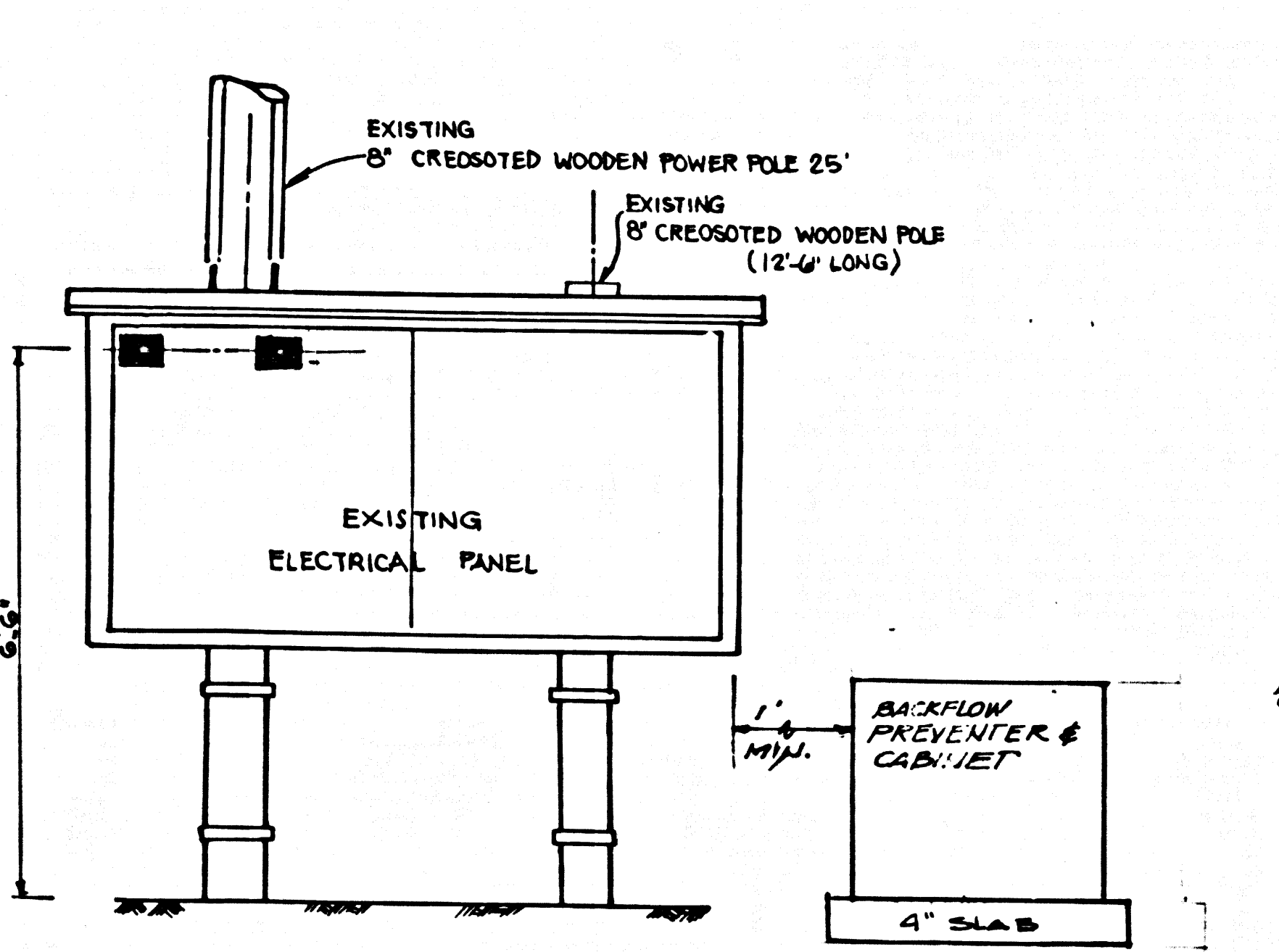
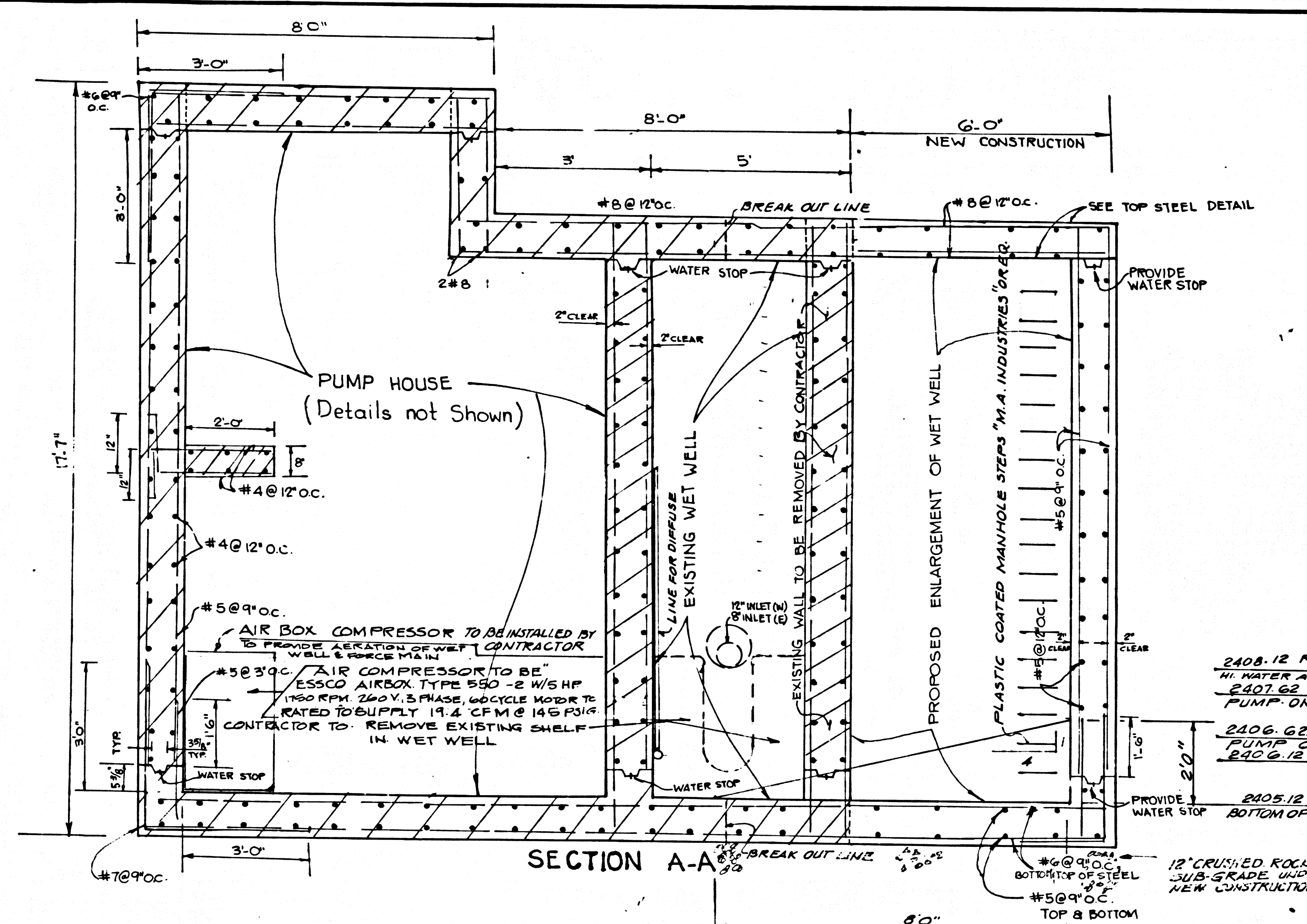
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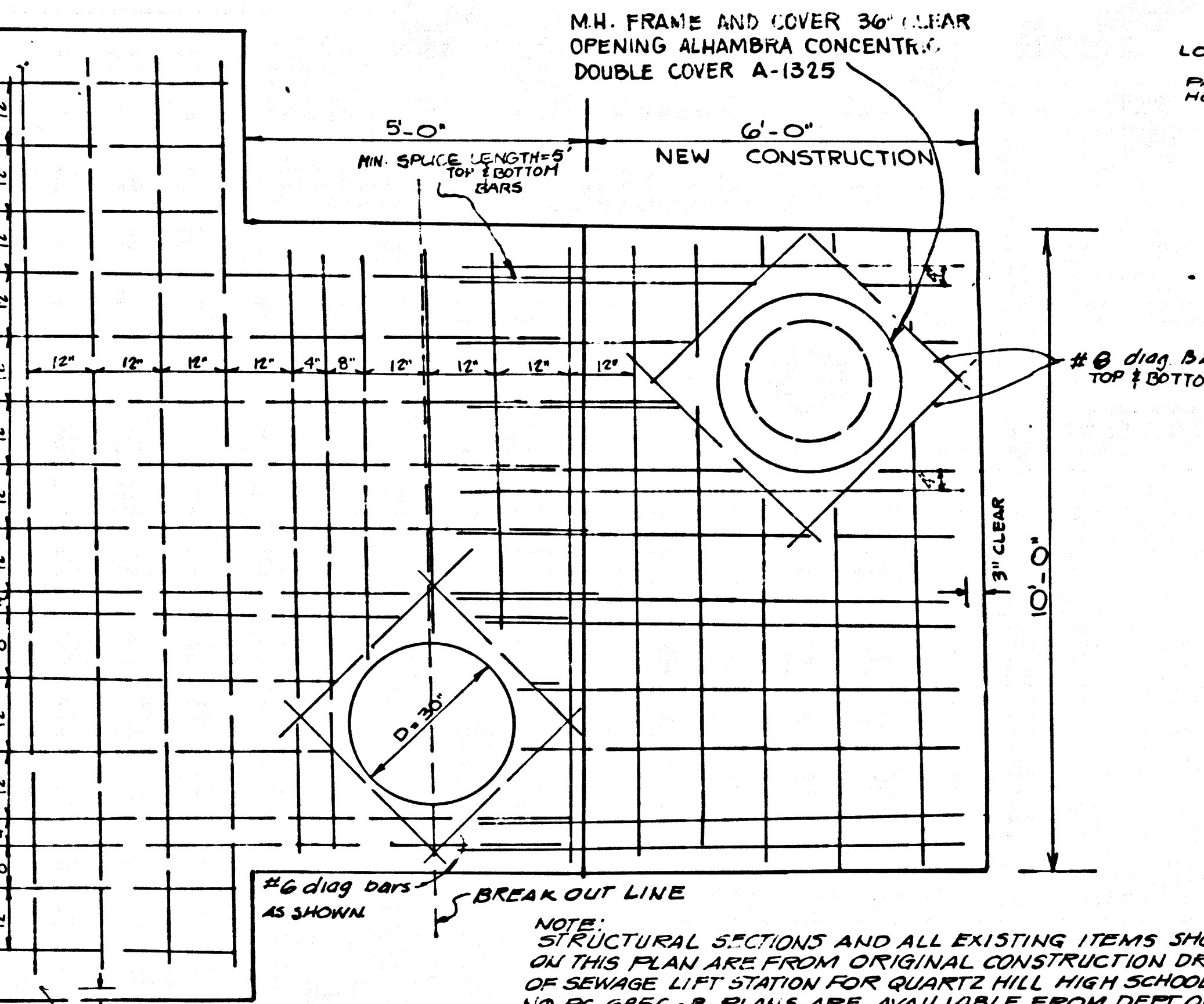
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BC 10528

TRACT NO 39910



NOTE: CONTRACTOR SHALL BREAK OUT INTERFERING PORTION OF EXISTING WET WELL AND RECONSTRUCT NEW WET WELL AS SHOWN. NEW REBARS SHALL BE TIED TO EXISTING BARS WITH A MINIMUM OF 2'-0\"/>

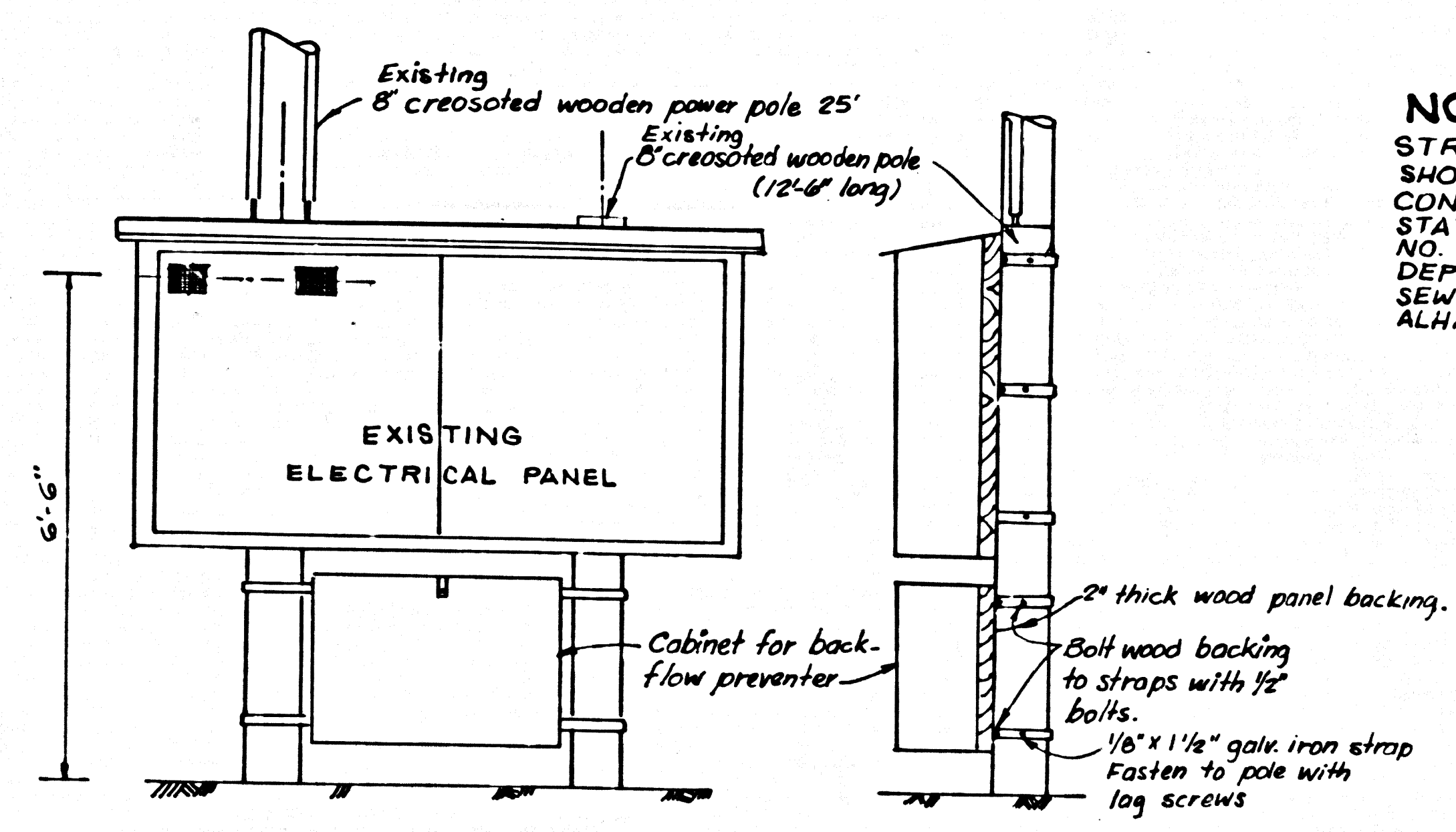
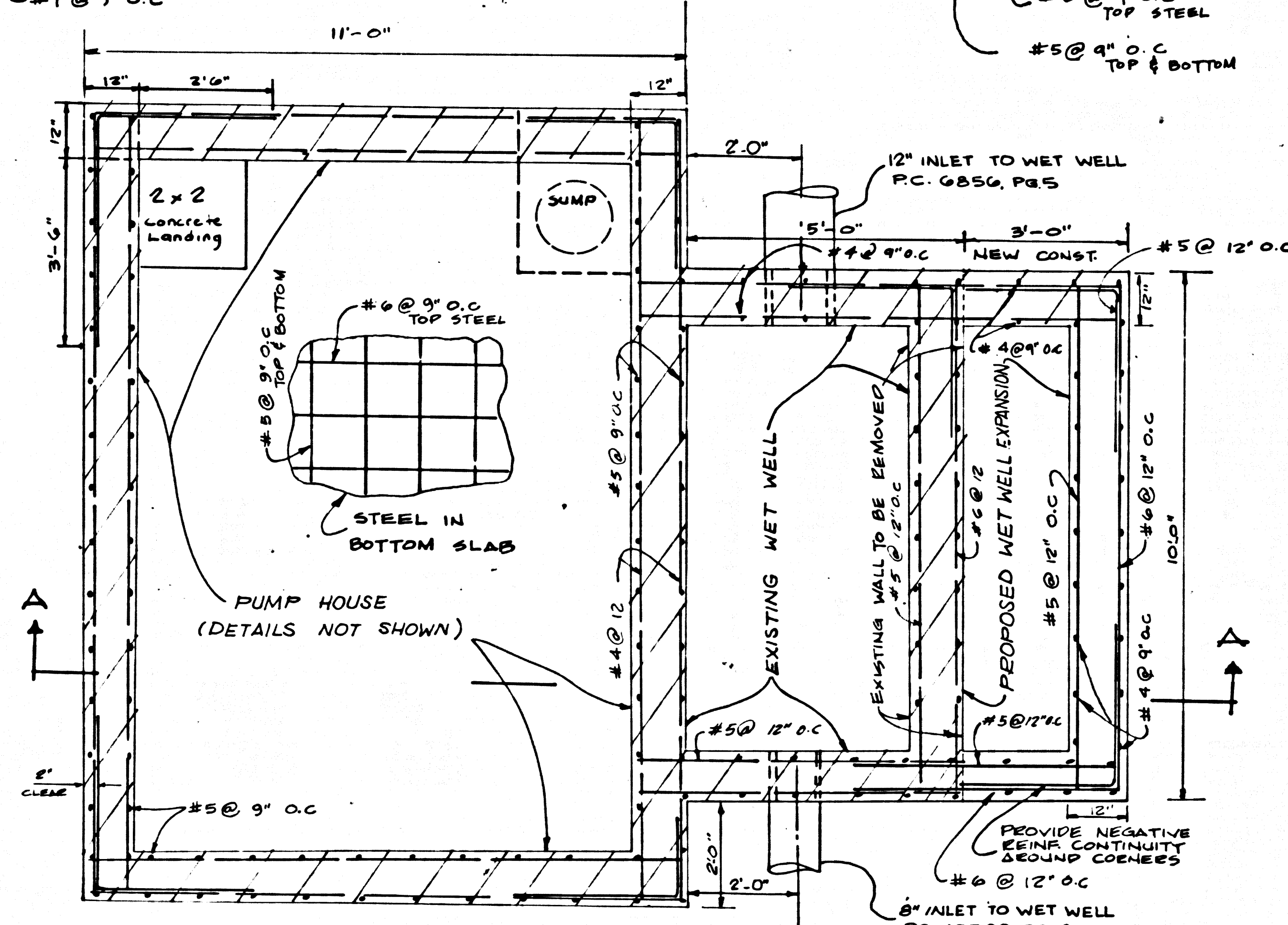
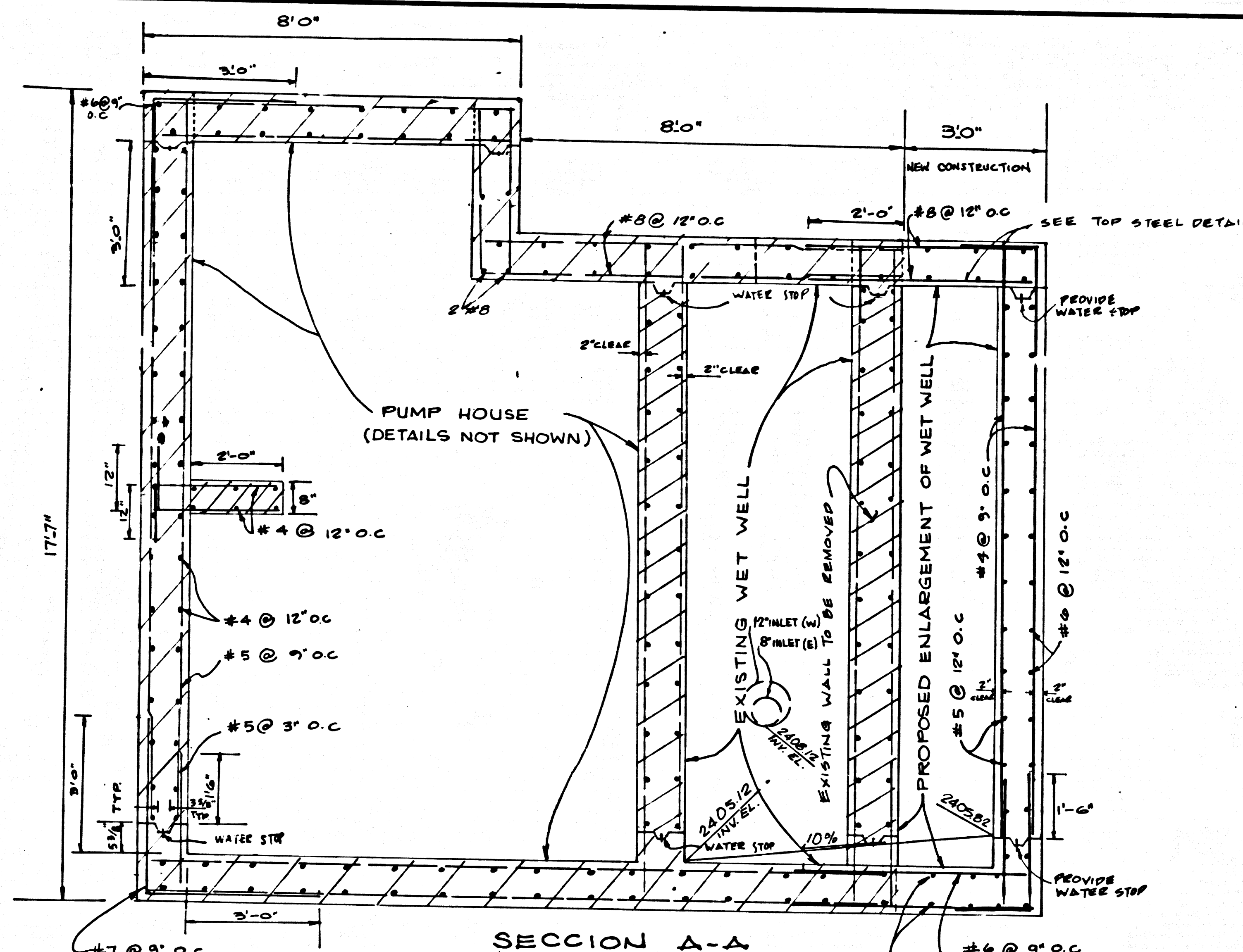


TOP SLAB STEEL
SCALE: 1/4\"/>

CHECK BY:
DEPT OF PUBLIC WORKS COUNTY OF LOS ANGELES
DATE: 12-30-88
DESIGN DIVISION
LAND DEVELOPMENT DIVISION

PC - 10528 PG. 15
IMPROVEMENTS TO EXISTING SEWAGE LIFT STATION AT AVENUE L AND 57th ST. WEST
PREPARED BY:
MIERA & ASSOCIATES
407 1/2 E. COLORADO BLVD.
GLENDALE, CA 91205
(818) 243-3995
DATE: 12/23/88

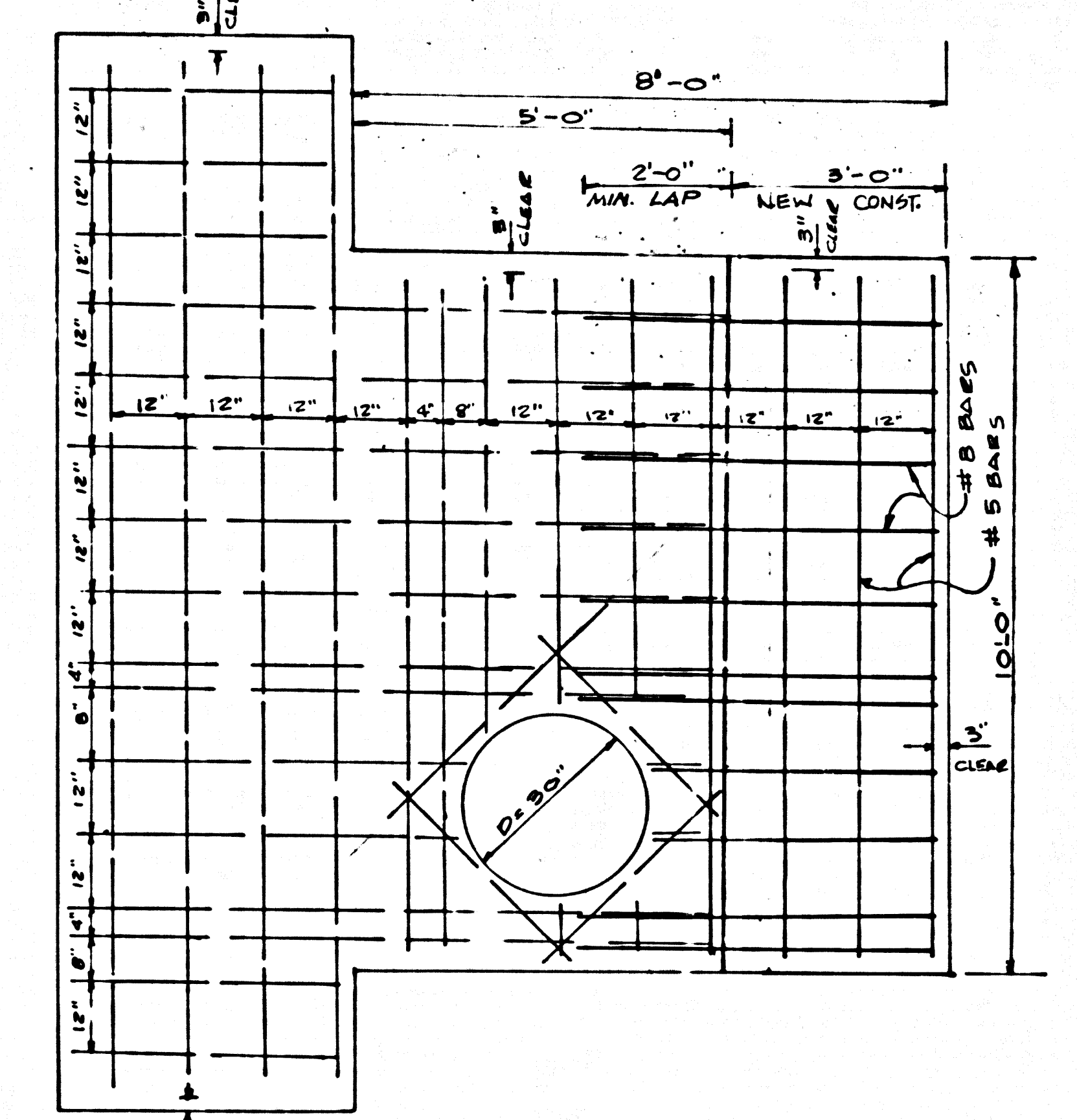
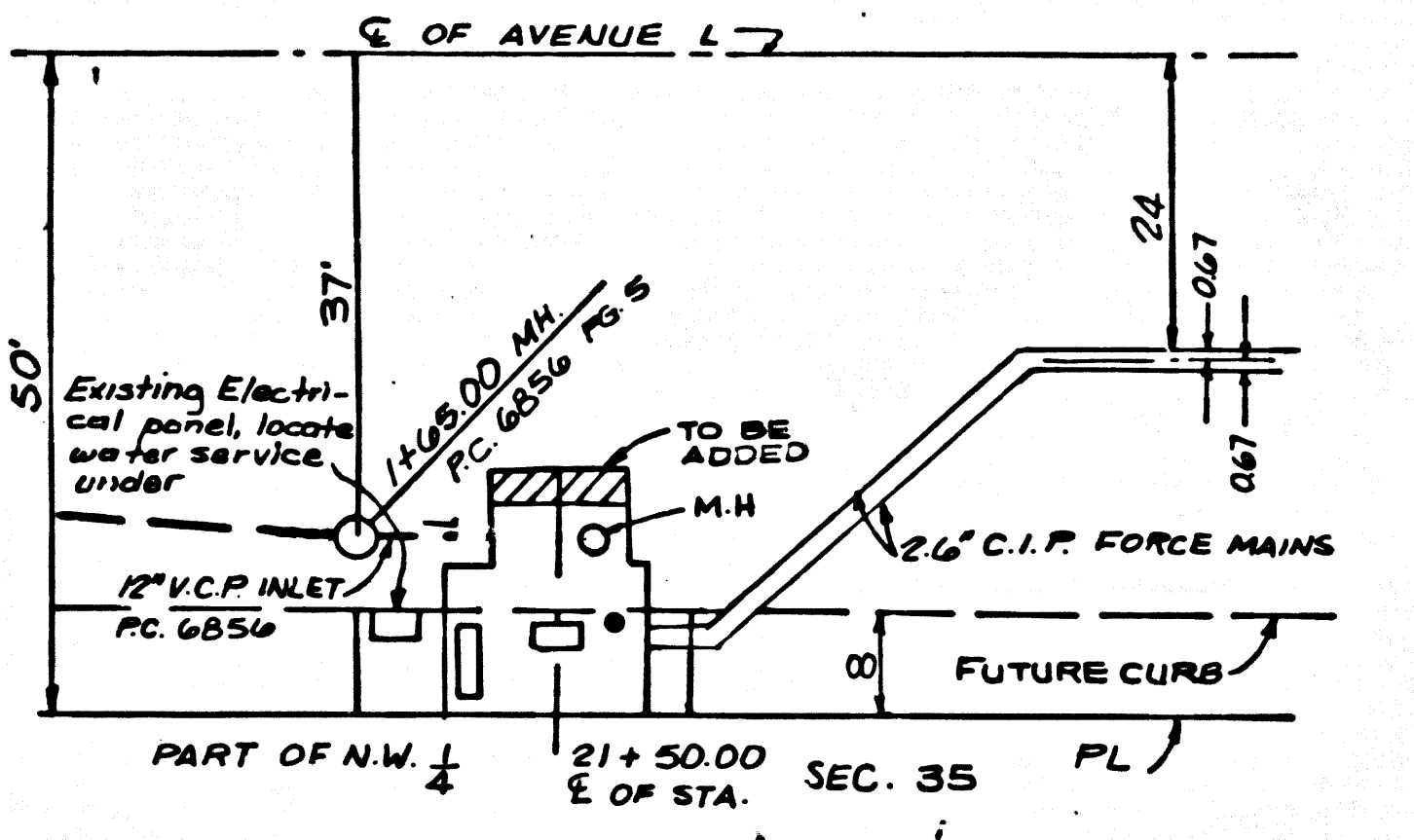
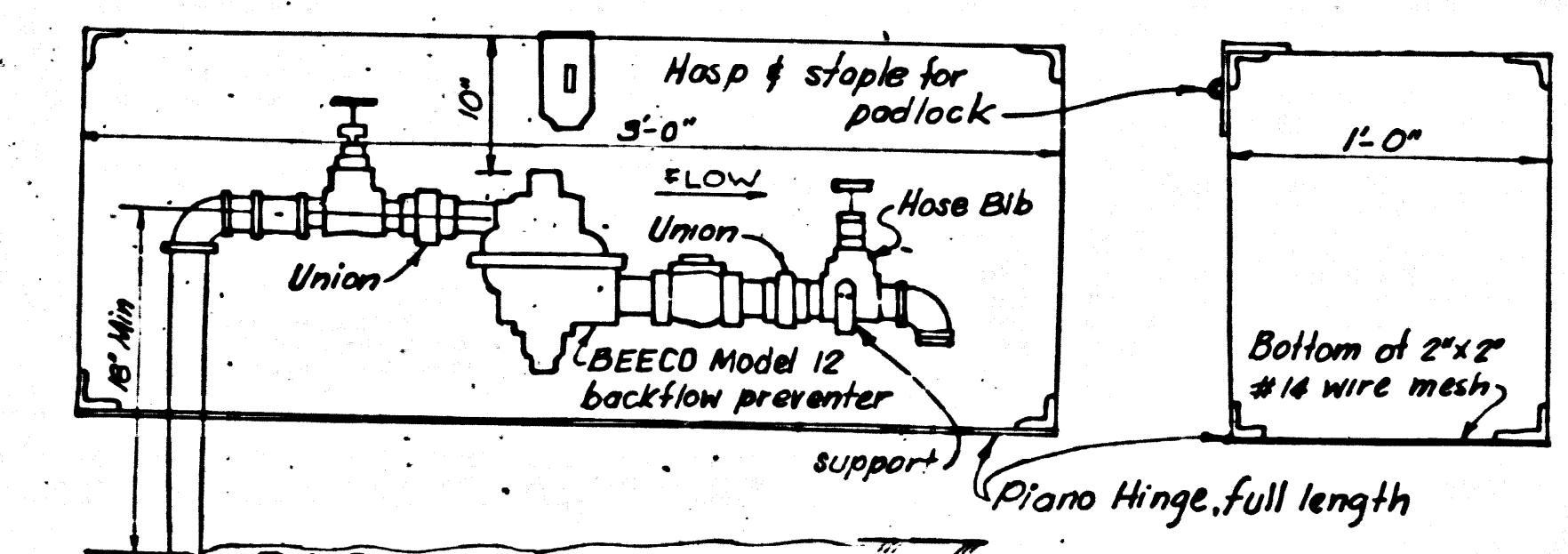
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 10528
 10528



NOTE:
STRUCTURAL SECTIONS AND ALL ITEMS SHOWN ON THIS PLAN ARE FROM ORIGINAL CONSTRUCTION DRAWING OF SEWAGE LIFT STATION FOR QUARTZ HILL HIGH SCHOOL DWG. NO. PC 6856-B PLANS ARE AVAILABLE FROM DEPT. OF PUBLIC WORKS, WATER WORKS, AND SEWER MAINTENANCE DIVISION-900 FREMONT ALHAMBRA CA.

PROPOSED BACKFLOW PREVENTER INSTALLATION.

Fabricate cabinet from 12 ga. galv. sheet metal with 1 1/2" x 1 3/4" angle stiffeners.



PC - 10528 PG. 16

IMPROVEMENTS TO EXISTING SEWAGE LIFT STATION AT AVENUE L AND 57th ST. WEST

CHECKED BY: _____
DATE: _____

PREPARED BY:
MIERA & ASSOCIATES
407 1/2 E. COLORADO BLVD.
GLENDALE, CA. 91205
(818) 243-3995
DANIEL J. STILTY R.C.E. 37258
4/6/88
DATE

8

52814

DC 10528

TRACT NO. 3331