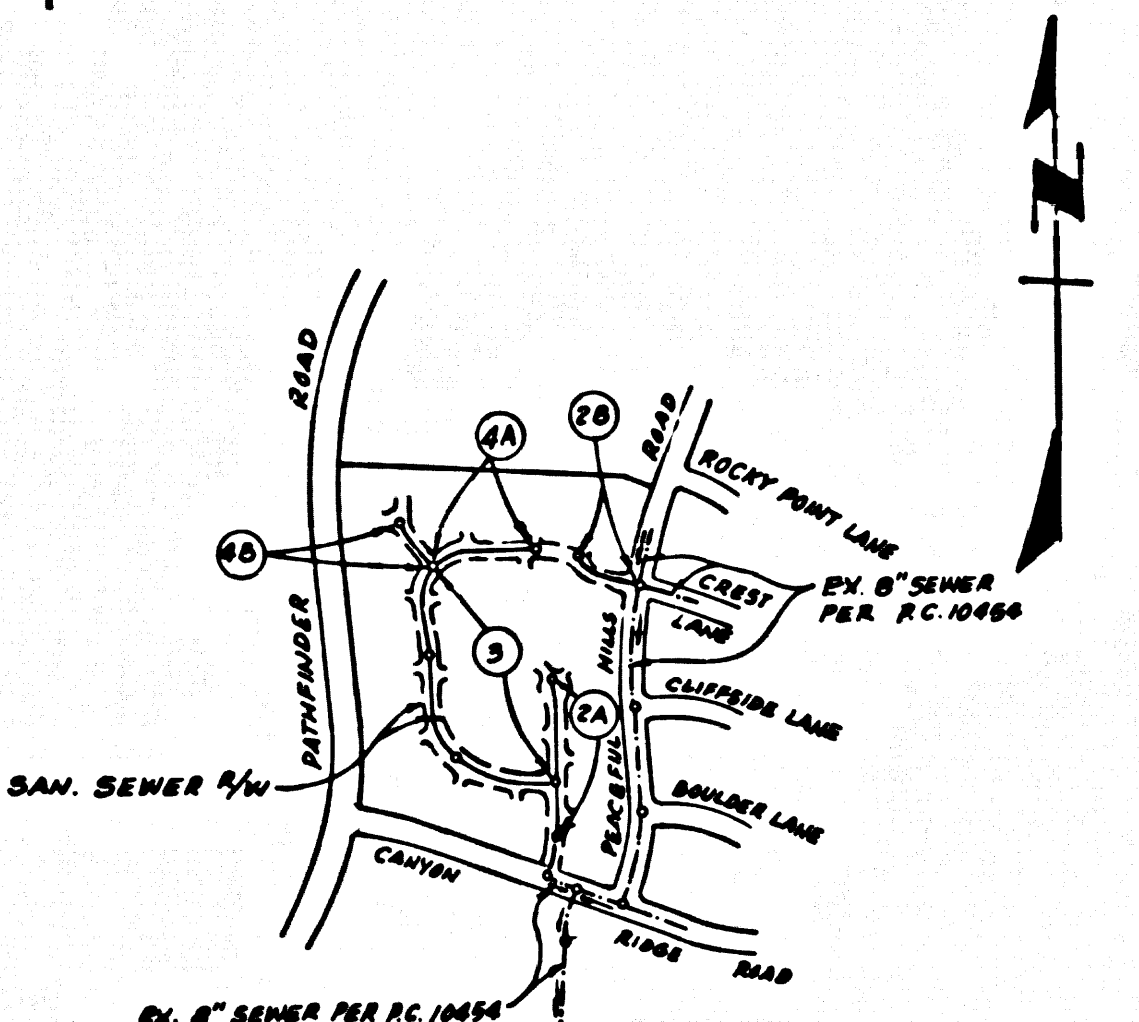


B.M. CG 4211 ELEV. 821.160  
 C.B.M. MON FL IN W.K. ON PATRICK RD.  
 20 FT. 4/0 W END BRIDGE OVER ORANGE  
 PKWY. 28 FT. N & 17 FT. W/O & INT. MKD  
 (67-24-193)  
 OTTERBEIN QUAD. 19.20

**DOUBLE VERTICAL SCALE**



NOTE: NUMBER IN CIRCLES INDICATE PAGE NUMBERS

INDEX MAP  
 TRACT NO. 43718  
 P.C. 10486  
 SCALE: 1"=400'

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

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 618 - 362-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

16. FULL COMPLIANCE WITH PART IV OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.B.S. COMPOSITE PIPE.
17. MANHOLE WATER STOP GASKETS AND CLAMPS ARE REQUIRED FOR THE CONNECTION OF A.B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
18. A.B.S. SOLID WALL PIPE MUST BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.
19. A.B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION B-3.1 OF PART IV OF THE SPECIAL PROVISIONS.
20. THREE DEGREE DEFLECTION COUPLERS ARE REQUIRED FOR RADIUS OF CURVATURE LESS THAN 380 FEET WHEN USING 8" A.B.S. COMPOSITE PIPE.
21. NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A.B.S. COMPOSITE PIPE IS USED.
22. 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.
23. 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.
24. A.B.S. SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER.
25. ONLY WYE BRANCHES ARE TO BE USED FOR CONNECTION TO A.B.S. COMPOSITE MAINLINE SEWER PIPE.

NOTE: BACKWATER VALVES MAY BE REQUIRED FOR THE FOLLOWING BUILDINGS:  
 LOT 1 - BUILDINGS NO. 2, 4, 9, 10, 16, 17, 20 & 21.  
 LOT 2 - BUILDINGS NO. 10, 11, 12 & 13.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND PIPES OR STRUCTURES SHOWN IN THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF MY KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

Edward L. Pearson  
 EDWARD L. PEARSON R.C.E. 9783

**GENERAL NOTES:**

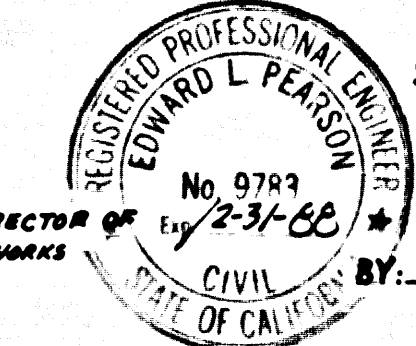
1. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
2. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
3. NO REPRESENTATIVE OF THE DEPT. OF PUBLIC WORKS SHALL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
4. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURVE, CENTER LINE OF STREETS, OR CENTER LINE OF ALLEYS 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.
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 FULLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT ALIGNMENT AT RIGHT 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 ROAD ELEMENT OF THE L.A. DEPT. OF PUBLIC WORKS, DISTRICT OFFICE NO. 1, AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS 3220 ALCANTARA STREET, LOS ANGELES, CA 90009 TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
8. IF WORK IS TO BE DONE ON A STATE HIGHWAY A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA, DIVISION OF HIGHWAYS, 120 SOUTH SPRING STREET, LOS ANGELES, CALIFORNIA.
9. APPROVAL OF THE PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF THE LOCATION 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 71041 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS.
11. PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DIRECTOR OF PUBLIC WORKS, COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE ROAD ELEMENT OF THE L.A. DEPT. OF PUBLIC WORKS, A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS 2550 ALCANTARA STREET, LOS ANGELES, CALIFORNIA 90008, NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

**CONSTRUCTION NOTES:**

1. WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1986 EDITION WITH SUPPLEMENTS) AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED ... DEPT. OF PUBLIC WORKS ... AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPT. OF PUBLIC WORKS.
2. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE (213) 276-2221 AT LEAST TWENTY-FOUR 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. ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S-3 OR PRECAST CONCRETE MANHOLES PER S-2, EXCEPT AS NOTED.
6. PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
7. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
8. VITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "C" PER STANDARD SPECIFICATIONS SECTION 308.3.
9. IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER S-2 CASE 1, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
10. 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 OR HOUSE LATERAL SEWER WHICH IS NOT ENCASED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-2 CASE 1 UNLESS OTHERWISE APPROVED BY THE DEPT. OF PUBLIC WORKS.
11. 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 STANDARD SPECIFICATIONS SECTION 308.2.
12. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 308.1 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
13. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY PUBLIC WORKS CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
14. FULL COMPLIANCE WITH SECTION 308.1.5 OF THE SPECIAL PROVISIONS 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.
15. SPECIAL BACKFILL IN EXISTENT CONSTRUCTION IN BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION. IN ALL BACKFILL AND EARTH REFINISHED SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STD. METHOD OF TEST DESIGNATED AS MOOVED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION.

PROFILE, ALIGNMENT AND GRADE OF  
**SANITARY SEWERS**  
 TO BE CONSTRUCTED IN  
**TRACT NO. 43718**

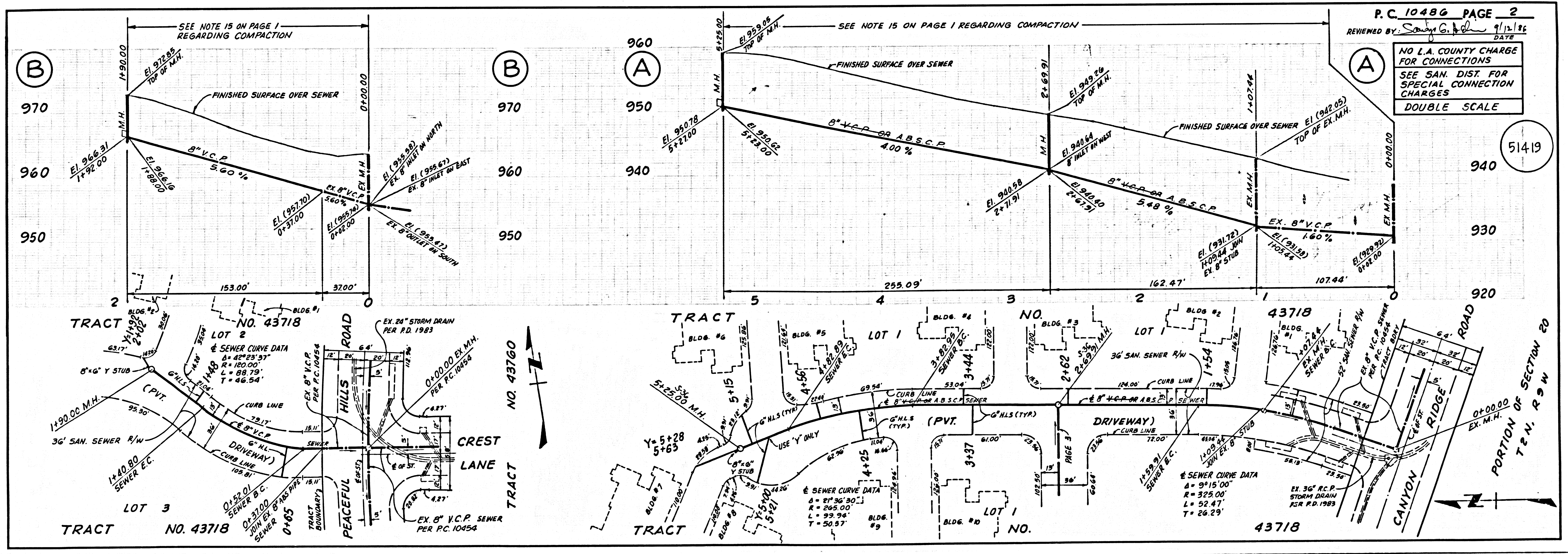
PRIVATE CONTRACT NO. 10486  
 U-181  
 W.S. 39  
 2 SHEETS, 4 PAGES  
 SCALE: VERT. 1"=4' HORIZ. 1"=40'  
 JANUARY, 1986  
 PREPARED IN THE OFFICES OF  
 EDWARD L. PEARSON & ASSOCIATES, INC.  
 1555 W. REDONDO BEACH BLVD. GARDENA, CA 90247  
 REG. C. E. NO. 9783

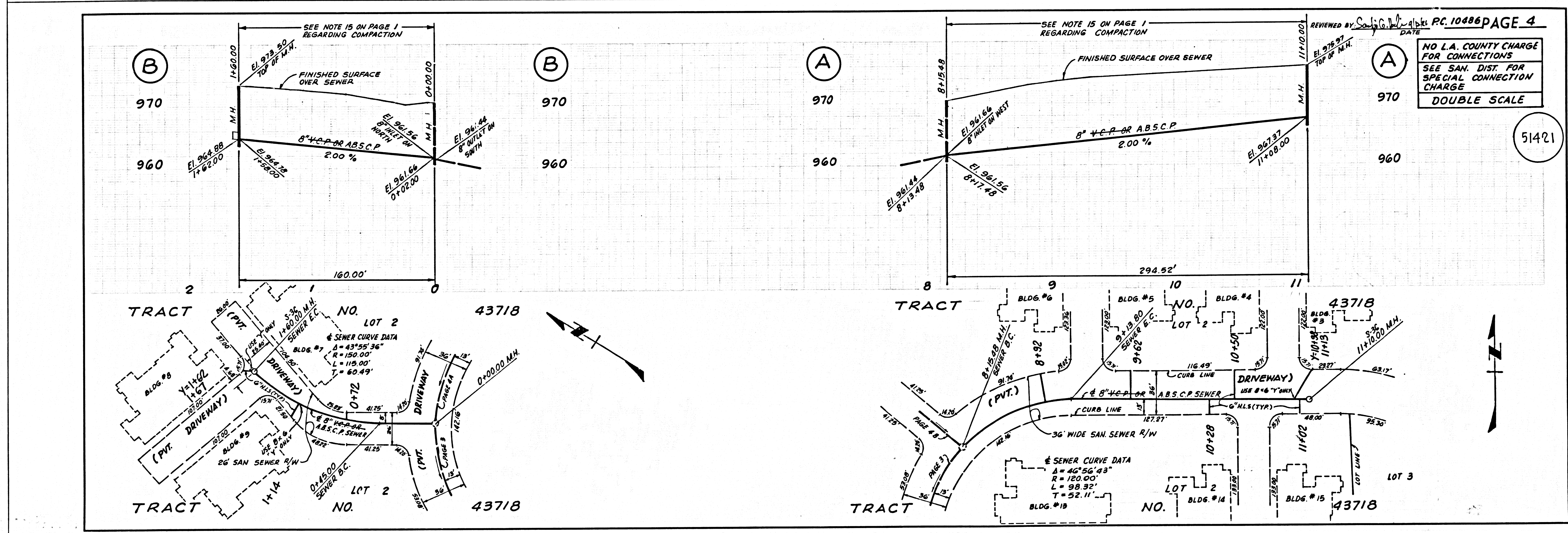
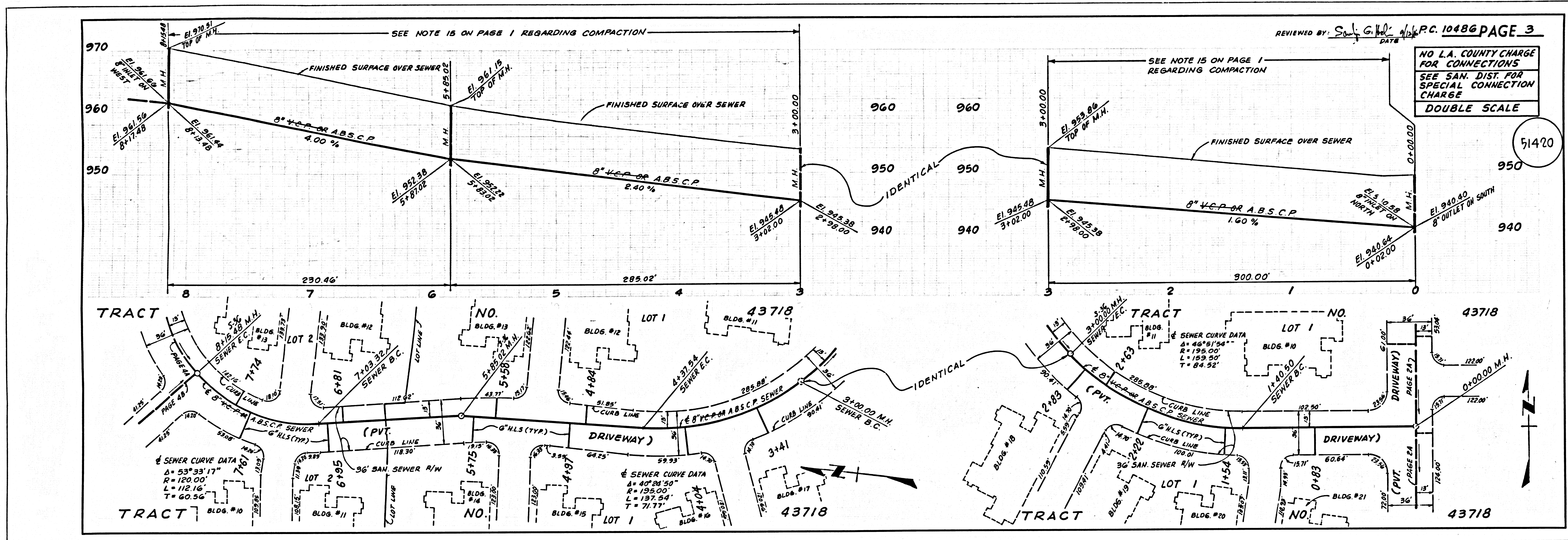


THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPT. OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

MINIMUM PUBLIC SAFETY REQUIREMENTS	S-1
BRICK SEWER MANHOLE	S-3
STANDARD MANHOLE TOP	S-17
BEDDING FOR SEWER PIPE	S-20
CRACKING AND INCASMENT	S-21
WYE ON THE SUPPORT	S-22
ALLOYABLE TRENCH WOODS	S-23
LOADING MANHOLE FRAME AND COVER	S-25
NON-REINFORCED PRECAST CONCRETE SEWER MANHOLE	S-26

COUNTY OF LOS ANGELES, CALIFORNIA  
 THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS CHARLES W. CARRY, CHIEF ENGINEER  
 APPROVED: *Carl Blum* 9/16/86 APPROVED: *Henry C. Anderson* 9/16/86  
 CHECKED: *Henry C. Anderson* 9/16/86  
 REG. C.E. NO. 17536  
 LA PUENTE BLDG. DIST. 2





51420  
51421  
BIFED ON TRACT  
28401 29