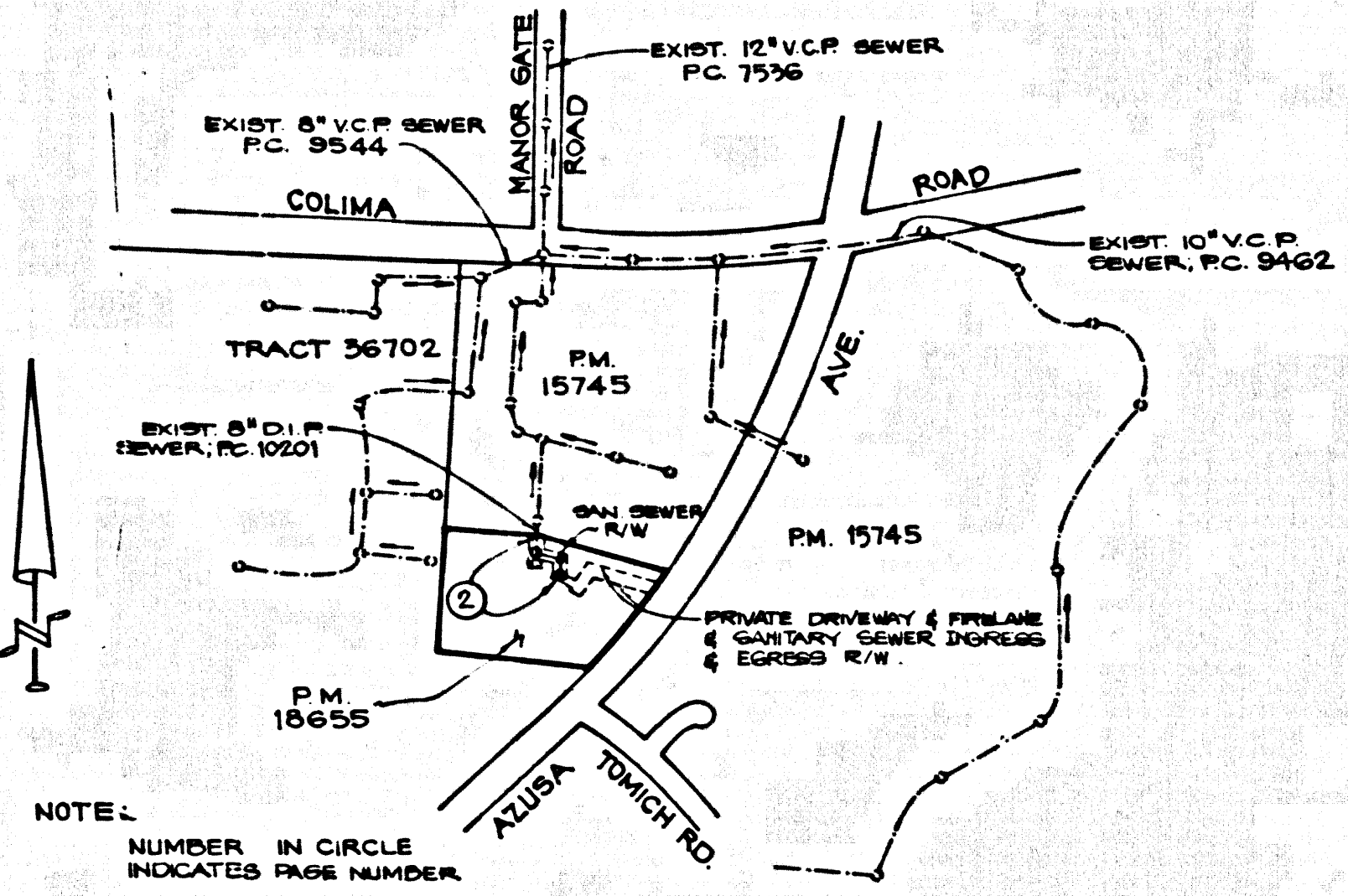


B.M. CG 4038 ELEV. 455.050  
 ROAD BENCH MARK TAG 6' SOUTH OF D.C.R.  
 AT NORTHWEST CORNER OF ALUMA AVE.  
 & COLIMA RD. 88 FEET NORTH & 42 FEET  
 WEST OF E. OF INTERSECTION.  
 OTTERBEN QUAD. 19.80



INDEX MAP  
 PARCEL MAP NO. 18655  
 P.C. NO. 10941  
 SCALE: 1" = 500'

**PRIVATE ENGINEER'S NOTICE TO CONTRACTOR**

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 MAP. THE CONTRACTOR SHALL TAKE OUR PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT RECORDED OR NOT SHOWN ON THIS MAP.

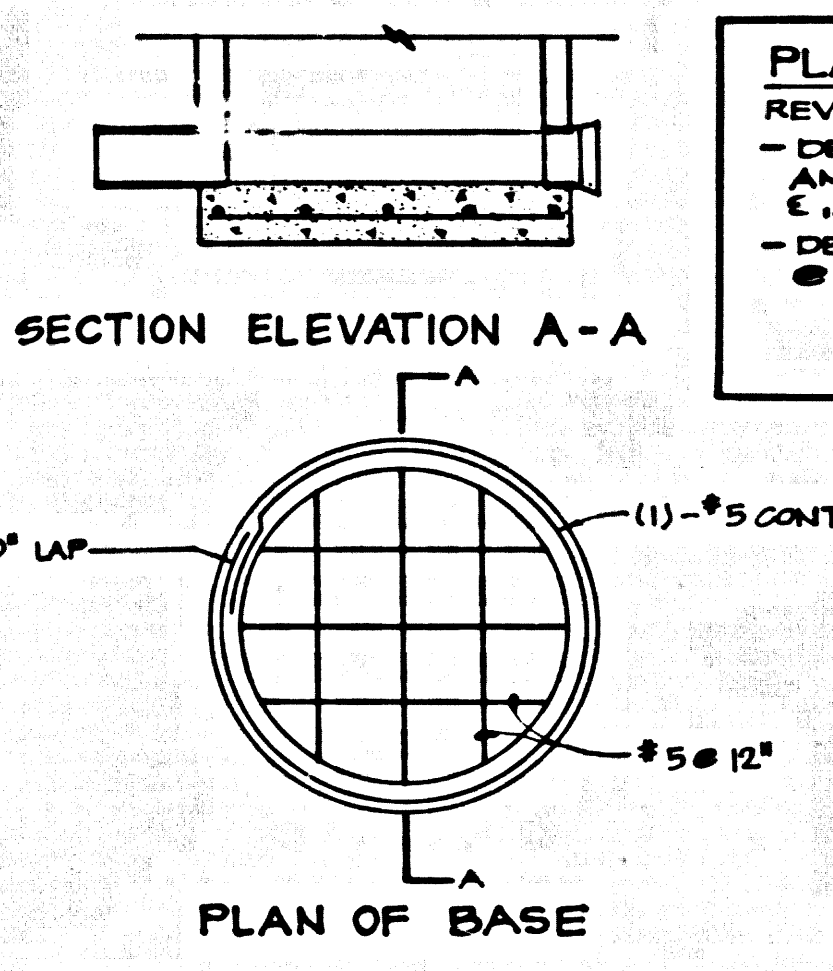
DOUBLE SCALE  
 Charles S. Cummins  
 CHARLES S. CUMMINS R.C.E. 34526



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 (818) 362-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

**PLAN REVISION NOTE**  
 REVISION NO. 1 DATE: 6-5-89  
 - DELETED GRADE AND 2 ANCHOR BLOCKS, AND ADDED ENCASUREMENT CASE II BETWEEN STA. 0+02.00 AND 0+72.00 ON PAGE 2;  
 - DELETED 1'-8" HIGH AND ADDED 4" STUB @ STA. 1+71.74 ON PAGE 2;  
 APPROVED: *James G. Bell* 6-4-89  
 DEPT. OF PUBLIC WORKS



MODIFIED DETAIL OF M.H. BASE FOR MANHOLE S-6

**GENERAL NOTES:**

- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1989.
- NO INTERFERENCES SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
- NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTER LINE OF STREETS OR CENTER LINE OF ALLEYS ARE SHOWN BY CIRCLES AT ALL POINTS BETWEEN DISCONTINUED POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A STRAIGHT LINE DRAWN BETWEEN SAID DISCONTINUED POINTS.
- THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 12" OR 18" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED AS STRAIGHT LINES 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 AND CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
- 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.
- RIGHT OF WAY CAN BE STARTED. THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS PERMIT OFFICE AND A PERMIT TO THE DIRECTOR OF PUBLIC WORKS, ROOM 8, FREEMONT AVE., ALHAMBRA, CALIFORNIA 91803 - 8TH FLOOR TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- 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 SHIPIG STREET, LOS ANGELES, CALIFORNIA.
- 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.
- REFER TO SECTION 7.18.1 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY SIGNS.
- PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT, THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE DEPARTMENT OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS. A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, A DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, ROOM 8, FREEMONT AVE., ALHAMBRA, CALIFORNIA 91803 - 8TH FLOOR, NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF PROJECT.

**CONSTRUCTION NOTES:**

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1988 EDITION WITH THE STANDARD SPECIFICATIONS AND DEPARTMENT OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPTEMBER 21, 1978 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE AT 818-689-9126 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 1 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- WYE OR THE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER 9-26 OR PRECAST CONCRETE SEWER MANHOLES PER 9-26, EXCEPT AS NOTED.
- WYHOLES STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE.
- MANHOLE TOPS IN UN-IMPROVED AREAS SHALL BE SIX INCHES ABOVE FINISHED GRADE.
- WITHIN CLAY PIPE JOINTS SHALL BE TYPE "C" OR "D" PER STANDARD SPECIFICATIONS SECTION 208-2.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 9-23. CASE II TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
- 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 V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 9-23. CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- ALL JOINTS BETWEEN CAST IRON PIPE AND WITHIN CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D", WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 208-2.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- REQUIRE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- FULL COMPLIANCE WITH SECTION 208-1.3.1 OF THE STANDARD SPECIFICATIONS SHALL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
- SPECIAL BACKFILL AND EMBASEMENT CONSTRUCTION (AS BACKFILL TRENCHES AND REPLACE OTHER EARTH) SO AS TO ACHIEVE THE NATURAL OR UNIMPROVED GRADE AND SLOPES. THE FINISHING PLAN APPROVED FOR THIS DEVELOPMENT BY THE L.A. DEVELOPMENT DIVISION. ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 98% OF MAXIMUM DENSITY PER ASTM METHOD OF TEST OR AT AS MODIFIED ACCEPTABLE CERTIFICATION OF SUCH CONSTRUCTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPARTMENT.

PROFILE ALIGNMENT AND GRADE OF  
**SANITARY SEWERS** PAGE 1

TO BE CONSTRUCTED IN  
**PARCEL MAP NO. 18655**

**PRIVATE CONTRACT NO. 10941**  
 U-125 (W.S. 38-8,4)  
 1 SHEET ; 2 PAGES

SCALE: VERT. 1" = 4'  
 HORIZ. 1" = 40'  
 OCTOBER, 1988

PREPARED IN THE OFFICES OF  
 DALTON CUMMINS ASSOCIATES  
 1725 CRESHAW BOULEVARD, SUITE 300  
 TORRANCE, CALIFORNIA 90503  
 (310) 321-0330 / (310) 327-0018  
 BY: *Charles S. Cummins* 11-20-88  
 REG. C.E. NO. 34555

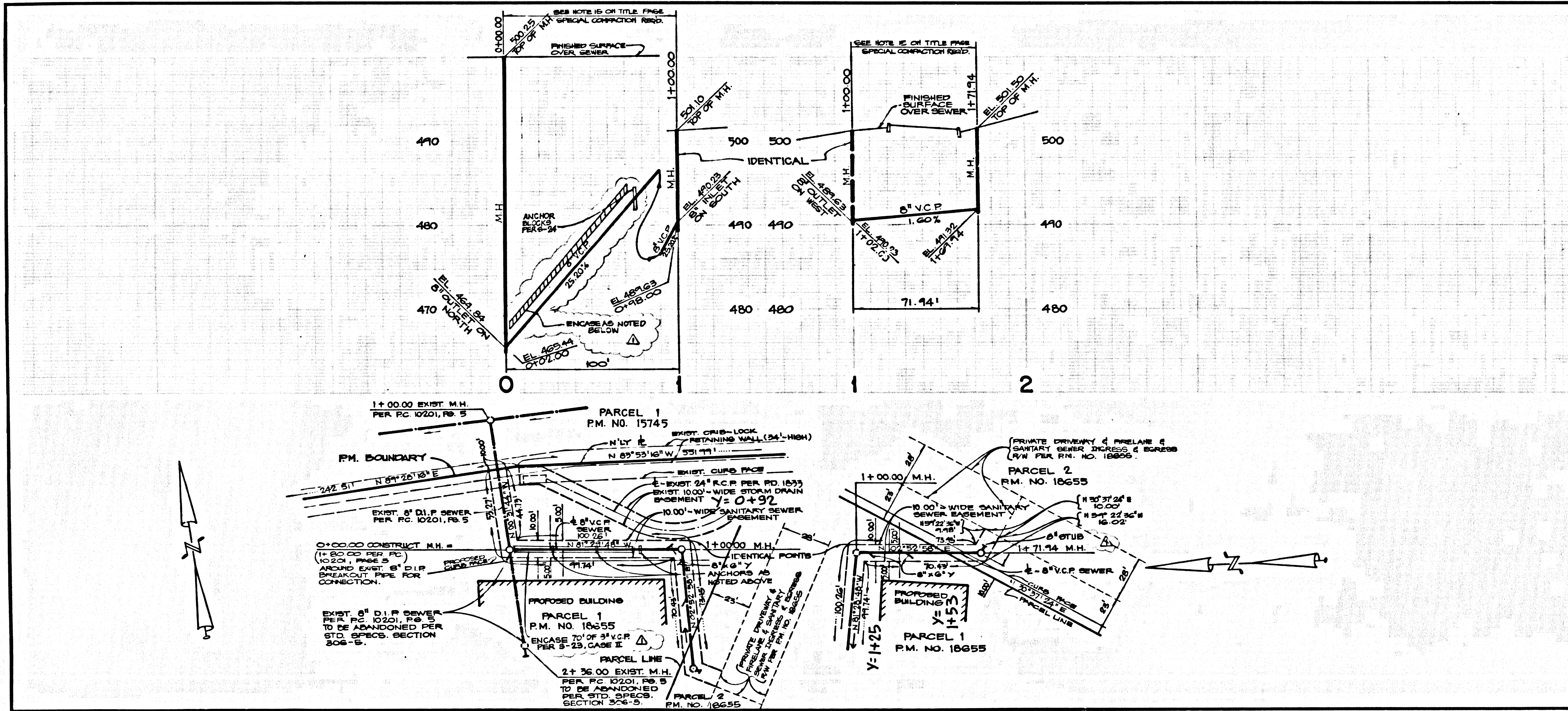
THE FOLLOWING LATEST REVISED STANDARDS OR PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT:

MINIMUM PUBLIC SAFETY REQUIREMENTS	9-1
BRICK MANHOLE	9-2
STANDARD MANHOLE STEP	9-7
BEDDING FOR SEWER PIPE	9-21
CHOKING AND ENCASUREMENT	9-23
WYE OR THE SUPPORT	9-26
ALLOWABLE TRENCH WIDTHS	9-33
LOCKING MANHOLE FRAME AND COVER	9-38
NON-REINFORCED PRECAST CONCRETE MANHOLE	9-38
ANCHOR BLOCK	9-38
REINFORCED PRECAST CONCRETE MANHOLE	9-38
(MODIFIED GRADE FROM ORIGINAL DRAWING)	9-38

COUNTY OF LOS ANGELES, CALIFORNIA  
 THOMAS A. TIDEMANSON DIRECTOR OF PUBLIC WORKS  
 CHARLES W. CARRY CHIEF ENGINEER  
 CO. SAN DIST. NO. 21  
 APPROVED: *Dean J. Bell* 4/12/89 (DATE)  
 APPROVED: *James G. Bell* 4/12/89 (DATE)  
 CHECKED: *James G. Bell* 4/12/89 (DATE)  
 REG. C.E. NO. 18116  
 L.A. PUENTE BLDG. DIST. NO. 200

P.C. 10941 PAGE 2  
 REVIEWED BY: *Sam G. Bell* 4-12-89 DATE

NO L.A. CO. CHARGE FOR CONNECTION  
 DOUBLE SCALE  
 SEE SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES



**NOTICE TO CONTRACTOR**  
 ALL SALVAGEABLE MANHOLE FRAMES AND COVERS AND APPURTENANCES SHALL BE DELIVERED BY THE CONTRACTOR AT HIS EXPENSE TO THE L.A. COUNTY MAINTENANCE YARD AT:  
 2849 SOUTH MYRTLE AVE., RIVINDALE CA. 91707  
 TEL. NO. (818) 446-3271

14201 29 22881 .M9