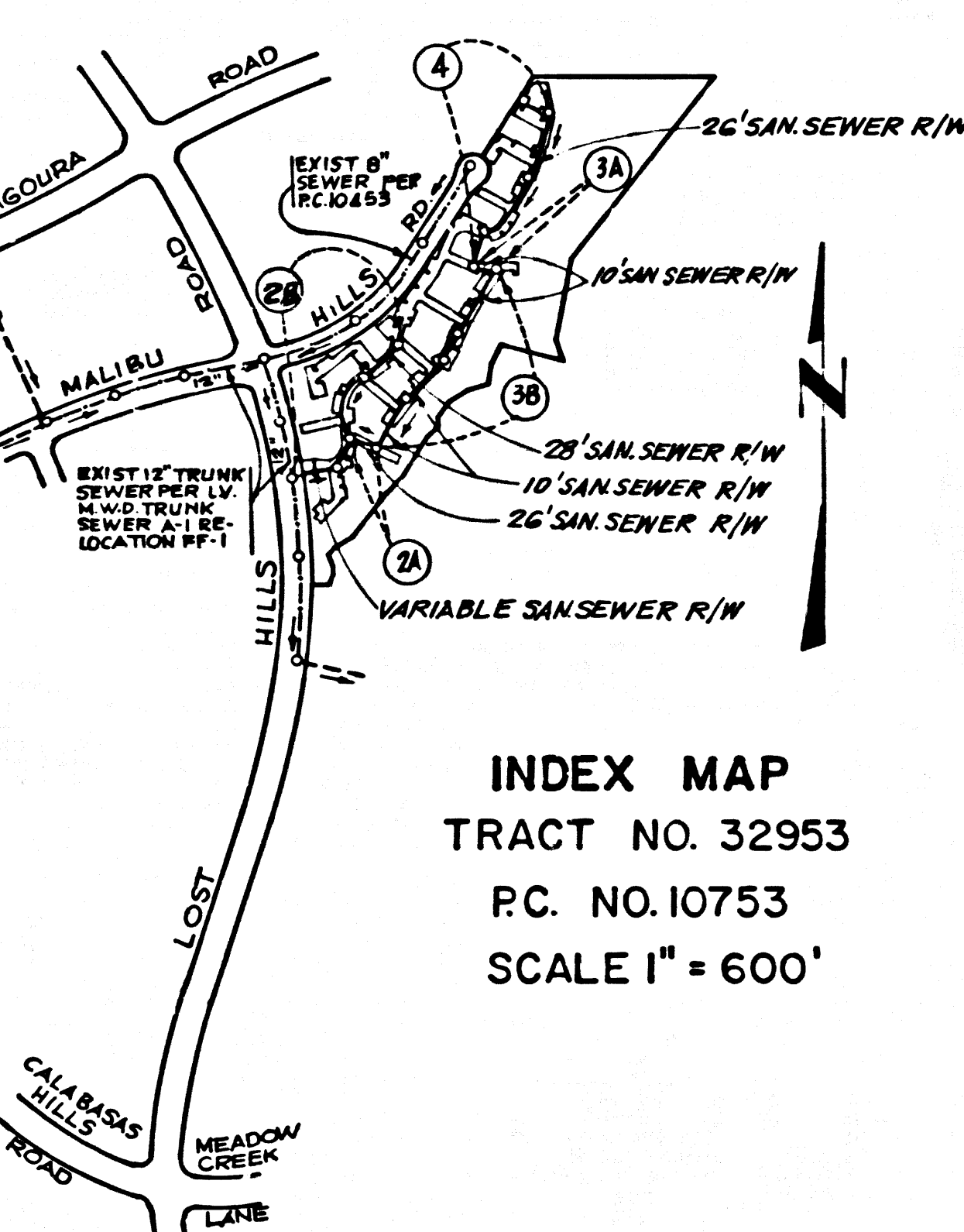


B.M.C.Y. 9999 ELEV. 822.269  
 L.A.C.E. B.M. MON. TOP CONC. ABUT. AT S.E. COR.  
 BR. NO. 53-1730 OVER VENTURA FWY. AT  
 LOST HILLS RD. OVERCROSSING DIST. 3.0'  
 6' FWY. AND 187' ED. CONVEY. ST. MARK. B.M. G.S. 1-A  
 MALIBU QUAD. 1920 147683

NUMBER IN CIRCLES INDICATE  
 PAGE NUMBER.



INDEX MAP  
 TRACT NO. 32953  
 P.C. NO. 10753  
 SCALE 1" = 600'

**DOUBLE SCALE**

**CONSTRUCTION NOTES (CONT.)**

- 10. TESTING PER LAS VIRGENES MUNICIPAL WATER DISTRICT**
- A. PIPE STRENGTH & LEAKAGE TESTS:** METHOD USED FOR TESTING SHALL BE THE SAME AS L.A. COUNTY EXCEPT THE FLOW TO BE USED IS AS FOLLOWS:
- 0.033 GALLONS/MINUTE/INCH OF DIAMETER / 1000 FEET
- B. MANHOLE LEAKAGE TEST:** AT THE DISCRETION OF THE DISTRICT'S REPRESENTATIVE, ONE MANHOLE OUT OF EVERY TEN MANHOLES AND A MINIMUM OF THREE SHALL BE TESTED IN EACH SECTION. THE TESTING MANHOLE NOT PASSING TESTS, THE MORE SHALL BE TESTED AT THE DISCRETION OF THE DISTRICT'S REPRESENTATIVE.
- C. AIR TESTING:** WHETHER THE DIFFERENCE IN ELEVATION BETWEEN THE INVERT OF THE MAIN PIPE AND THE INVERT OF THE LOWER STRUCTURE IS MORE THAN SIX FEET, AN AIR TEST WILL BE MADE.
- THE TIME TAKEN TO BLEED ONE POUND PER SQUARE INCH GAUGE PRESSURE FROM LOWER STRUCTURE THROUGH MAIN PIPE SHALL NOT BE LESS THAN TIMES SHOWN ON THE FOLLOWING TABLE:
- | MAIN PIPE DIAMETER | MINIMUM TIME LOSS |
|--------------------|-------------------|
| 6" - 14"           | 1 MINUTE          |
| 15" - 20"          | 2 MINUTES         |
| 21" - 30"          | 3 MINUTES         |
- IF THE TIME IS LESS THAN LISTED IN THE TABLE ABOVE THE CONTRACTOR SHALL MAKE SUCH REPAIRS NECESSARY TO ELIMINATE THE EXCESSIVE LEAKAGE.

REVISION No. 1 DATE: 6-9-88  
 BY: BAE ENGINEERS  
 REVISED BUILDING NO'S AND ADDED 6" HOUSE LATERALS FOR 'FOOL' MAINTENANCE BLDG. & BUILDINGS NO. 2, 7, 12, 17 & 21.  
 SIGNED: *Sandy C. Bell* 3/13/88  
 APPROVED: OFFICE OF PUBLIC WORKS, R.C.E. No.

**GENERAL NOTES:**

- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929.
- NO REVISIONS 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, CENTER LINE OF ALLEYS ARE SHOWN BY DIMENSION LINES AT ALL POINTS BETWEEN DESIGNATED POINTS. THE GRADE SHALL BE ESTABLISHED SO AS TO CONFORM TO A SMOOTH LINE DRAWN BETWEEN SAID DESIGNATED POINTS.
- THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT 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 PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED AS 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.
- 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.
- BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE COUNTY DIVISION OF PUBLIC WORKS, DEPARTMENT OF PUBLIC WORKS, PERMIT OFFICE, 100 S. WASHINGTON AVE., ALHAMBRA, CALIF. 91803-1776. TO COVER THE COST OF CONSTRUCTION INSPECTION (A.I.) 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, 120 SOUTH SPRING 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 104.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS.
- BEFORE 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 COUNTY DIVISION OF PUBLIC WORKS, A PERMIT FOR EXCAVATIONS AND THE RIGHTS FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF MINIMUM COMPACTION REQUIREMENTS WITH THE DEPARTMENT OF PUBLIC WORKS, 805 S. FLORENCE AVE., ALHAMBRA, CALIF. 91803-1708. NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF POLICY.

**CONSTRUCTION NOTES:**

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (1985 EDITION) WITH THE SUPPLEMENTS AND ADOPTED PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED 2/27/87.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE 328-3228 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE A FEET BELOW CURB GRADE EXCEPT AS NOTED.
- "Y" OR "T" BRANCHES MAY BE USED FOR CONNECTIONS TO MAIN LINE SEWERS EXCEPT AS NOTED.
- ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S-3 OR PRECAST CONCRETE MANHOLES PER S-2X EXCEPT AS NOTED.
- PROVIDE 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 UNIMPROVED PORTIONS OF TRACTS TO BE SIX INCHES ABOVE FINISHED GRADE.
- INVERTED CLAY PIPE JOINTS SHALL BE TYPE "C" OR "D" PER STANDARD SPECIFICATIONS SECTION 308.2.
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER S-2X 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 COVER OVER THE TOP OF A MAIN LINE OR HOUSE LATERAL V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-2X CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- ALL JOINTS BY THREE INCH CAST IRON PIPE AND INVERTED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D" WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 308.2.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 308.1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- RESURFACE ALL TRENCHES WITH PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- FULL COMPLIANCE WITH SECTION 206.1.3.4 OF THE STANDARD SPECIFICATIONS 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 MATERIAL ACCEPTANCE.
- SPECIAL BACKFILL IN EASEMENT CONSTRUCTION (IN BACKFILL TRENCH AND REPLACE OTHER EARTH) SHALL BE TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE LAND DEVELOPMENT DIVISION. IN ALL BACKFILL AND EARTH REPAIRS SHALL BE COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY PER A.S.T.M. STD. METHOD OF TEST D998 BY AS NOTED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS, DEPARTMENT.

PROFILE ALIGNMENT AND GRADE OF

**SANITARY SEWERS**

TO BE CONSTRUCTED IN  
**TRACT NO. 32953**

**PRIVATE CONTRACT NO. 10753**

INDEX: C-241  
 2 SHEETS; 4 PAGES

SCALE: VERT. 1" = 4'  
 HORIZ. 1" = 40'

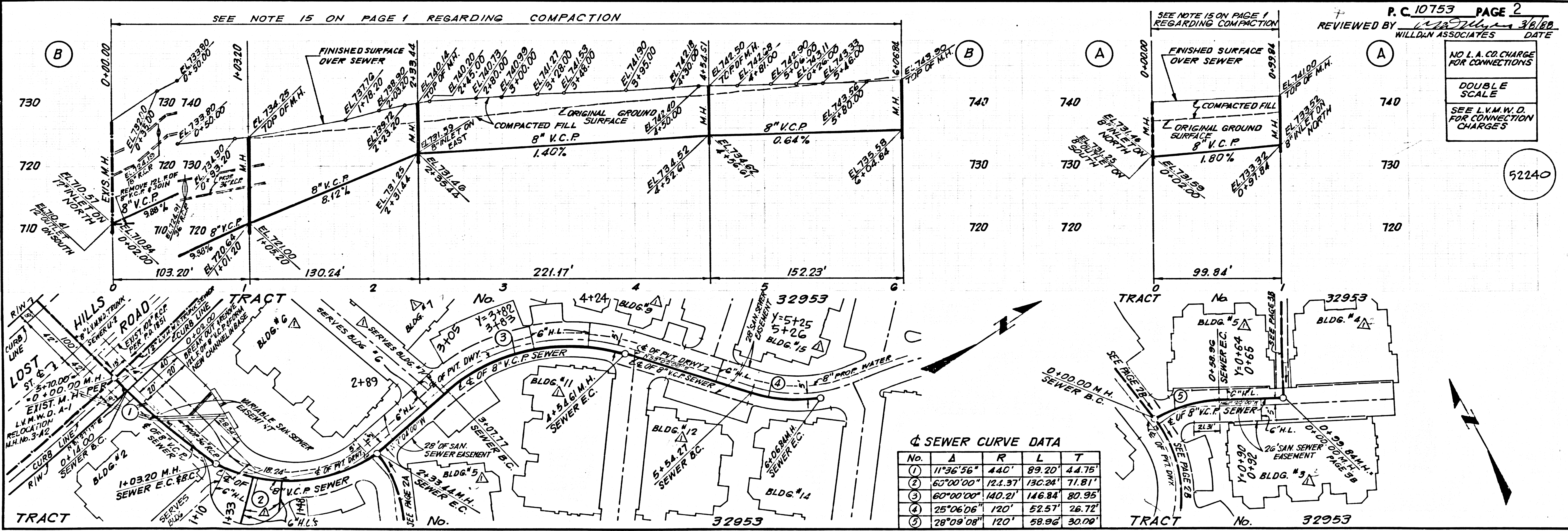
PREPARED IN THE OFFICES OF  
**B & E ENGINEERS**  
 825 COLORADO BLVD., SUITE 222  
 LOS ANGELES, CA 90017 (213) 284-5134  
 BY: *Shelton Noy*  
 REG. C.E. No. 21903  
 EXP. 9-30-89

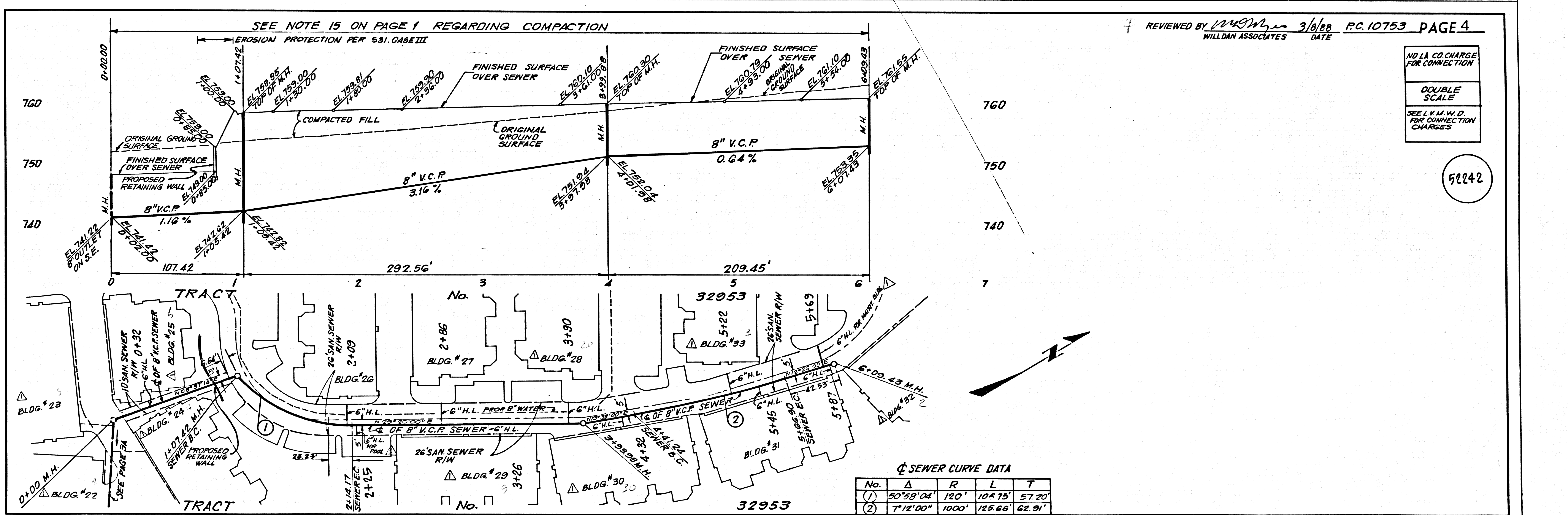
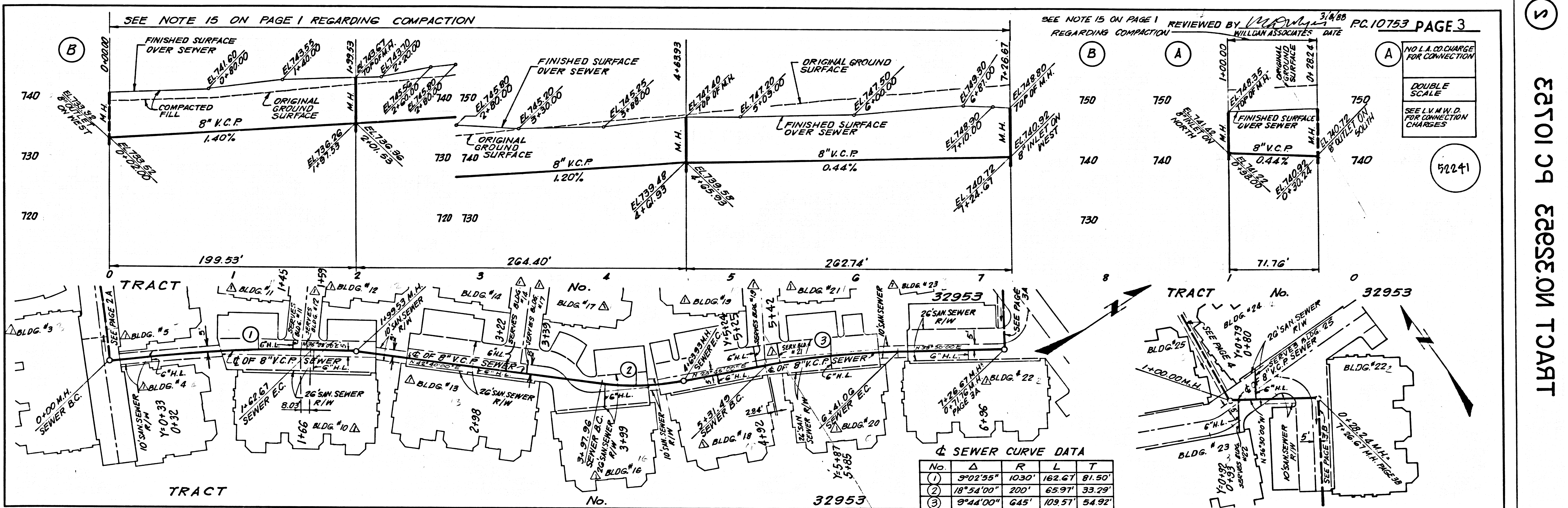
THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

LEGEND	DATE
MINIMUM PUBLIC SAFETY REQUIREMENTS	8-1
BRICK MANHOLE	8-2
STANDARD MANHOLE STEP	8-17
RECORDING FOR SEWER PIPE	8-21
CADLING AND ENCASEMENT	8-23
WYE OR TEE SUPPORT	8-28
ALLOWABLE TRENCH WIDTHS	8-33
LOCKING MANHOLE FRAME AND COVER	8-38
NON-REINFORCED PRECAST CONCRETE MANHOLE	8-38
EROSION PROTECTION IN STEEP SLOPES	8-38

COUNTY OF LOS ANGELES, CALIFORNIA  
 THOMAS A. TIDEMANSON  
 DIRECTOR OF PUBLIC WORKS

APPROVED: *Diana Estrella* 3/8/88  
 APPROVED: *William Willman* 3/8/88  
 APPROVED: *David M. Combs* 3-23-88  
 APPROVAL OF THIS PLAN BY THE LAND DEVELOPMENT DIVISION IS BASED ON A REVIEW BY AN ENGINEERING CONSULTANT UNDER CONTRACT WITH THE COUNTY OF LOS ANGELES





ESTION 29 EGRESSION TRACT