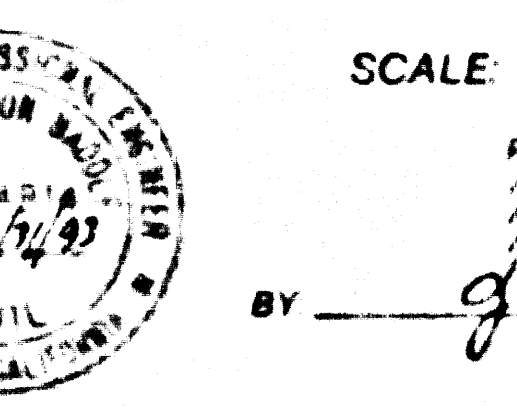


# SANITARY SEWERS

TO BE CONSTRUCTED IN  
**TRACT NO. 48704**

**PRIVATE CONTRACT NO. 11085**  
INDEX C-149  
2 SHEETS; 3 PAGES

SCALE: HORIZ. 1"=40' VERT. 1"=40' MARCH 1990  
PREPARED IN THE OFFICES OF  
THOMAS A. TIDEMANSON  
DIRECTOR OF PUBLIC WORKS  
COUNTY OF LOS ANGELES, CALIFORNIA  
BY: *J. M. ...*  
REG. C.E. NO. 14814 EXPIRATION DATE 5/31/93

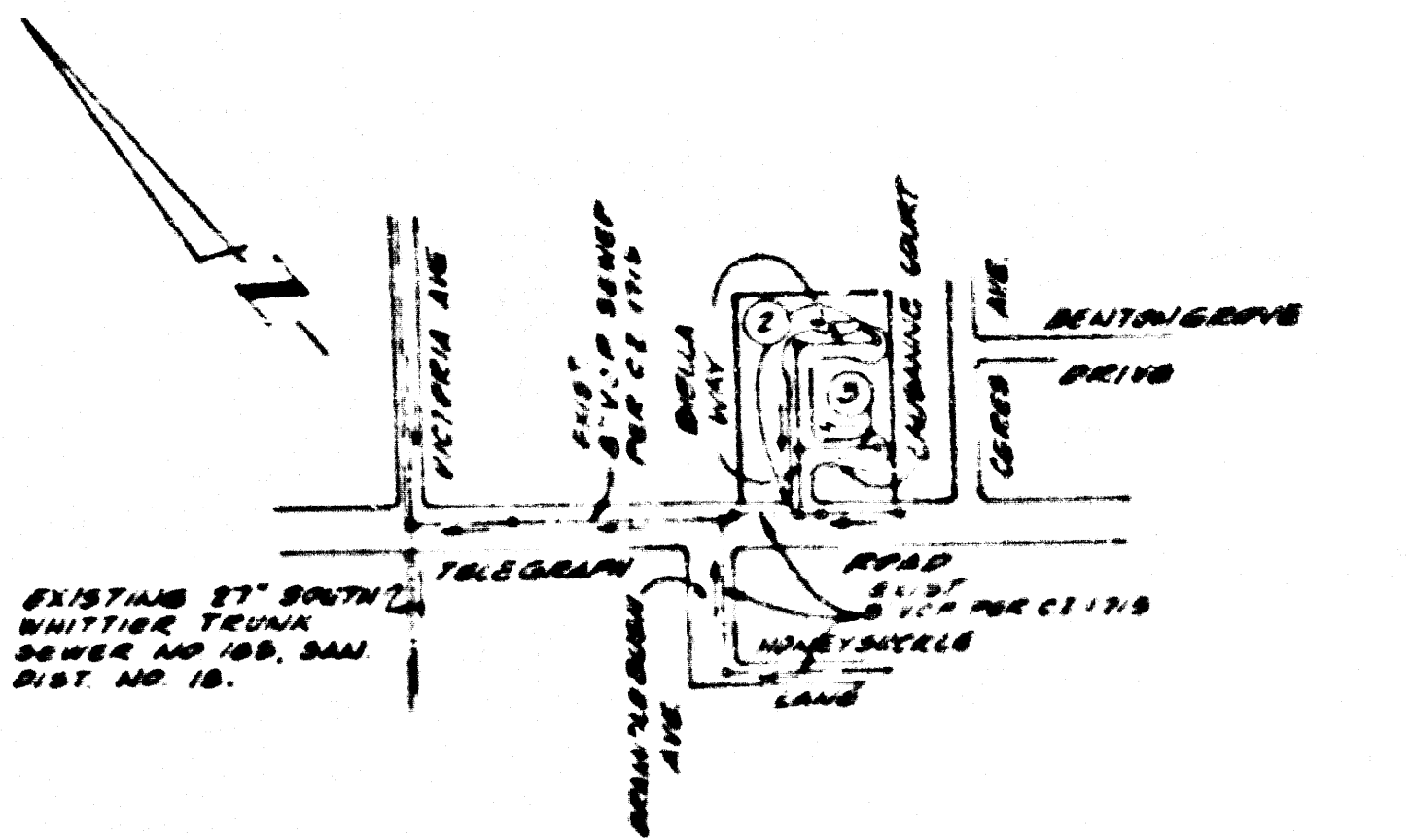


THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT:

LEGEND	5-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	5-2
BRICK MANHOLE	5-3
REINFORCED PRECAST CONCRETE MANHOLE	5-4
STANDARD MANHOLE STEP	5-7
ROUNDING FOR SEWER PIPE	5-21
LANDING AND EMBASEMENT	5-22
PIPE ON THE SURFACE	5-23
ALLOWABLE TRENCH WIDTHS	5-24
LOCKING MANHOLE FRAMES AND COVER	5-25
NON-REINFORCED PRECAST CONCRETE MANHOLE	5-26

COUNTY OF LOS ANGELES, CALIFORNIA  
THOMAS A. TIDEMANSON  
DIRECTOR OF PUBLIC WORKS  
APPROVED *W. E. ...* 9/10/90  
CHECKED *J. M. ...* 9/10/90  
REG. C.E. NO. 10116  
BELLFLOWER BLDG. DIST. 4

B.M. CY 1160 ELEV. 175.276  
L & S.P. N. B.C. @ N.E. CORNER OF  
TELEGRAPH RD. & CARRS ST. GIFT  
NORTH 8' 0" EAST 2' INT. MKD (N.E. 333)  
BASELINE QUAD. 19.75



NOTE: NUMBERS IN CIRCLES INDICATE GRID NUMBERS.  
INDEX MAP  
P.C. 11085 TR. NO. 48704  
SCALE: 1"=600'  
THOMAS GUIDE PG. 61, E-4

### CONSTRUCTION NOTES - CONTINUED

- FULL COMPLIANCE WITH PART II OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A B.B. COMPOSITE PIPE.
- MANHOLE WATER STOP GASKETS AND CLAMPS ARE REQUIRED FOR THE CONNECTION OF A B.B. COMPOSITE PIPE TO MANHOLE STRUCTURES.
- A.B.S. SOLID WALL PIPE MUST BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A B.B. COMPOSITE MAINLINE SEWER PIPE.
- A.B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION B-51 OF PART II OF THE SPECIAL PROVISIONS.
- THREE (3) FOOT RADIUS CURVES ARE REQUIRED FOR ALL B.B. COMPOSITE PIPE RUNS LESS THAN 300 FEET WHEN USING 8" A.B.S. COMPOSITE PIPE.
- NO CONNECTIONS FOR DISPOSAL OF INDUSTRIAL WASTE IS ALLOWED IF A.B.S. COMPOSITE PIPE IS USED.
- 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.
- ALL WYE AND/OR HOUSE LATERALS ARE TO BE LOCATED AT LEAST FIVE FEET APART AND WHEN POSSIBLE NOT CLOSER THAN FIVE FEET TO ANY MANHOLE.
- A B.S. SOLID WALL PIPE IS NOT ACCEPTABLE FOR USE AS MAINLINE SEWER.
- ONLY WYE BRANCHES ARE TO BE USED FOR CONNECTION TO A.B.S. COMPOSITE MAINLINE SEWER.

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.

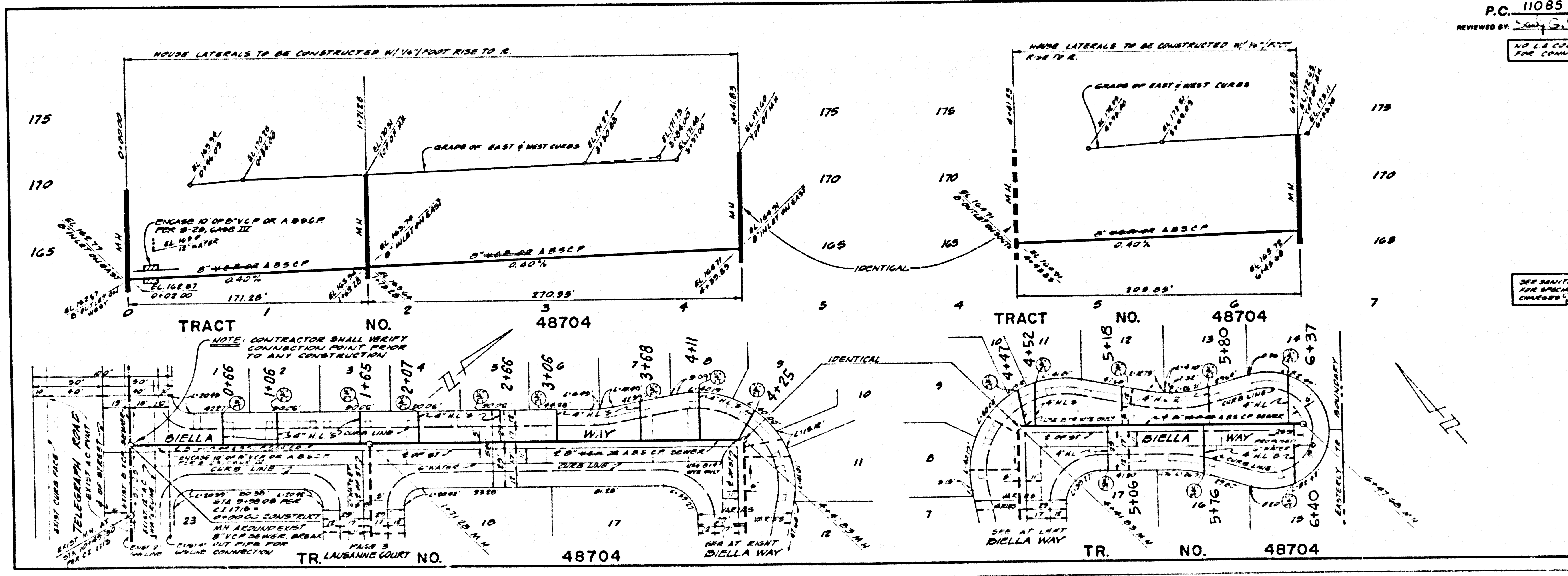
BEFORE BREAKING INTO OR CONSTRUCTION ON A COUNTY SANITATION DISTRICT SEWER AND PRIOR TO FINAL ACCEPTANCE OF THE PROJECT, SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE (213) 638-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

### GENERAL NOTES:

- A SEWER CONSTRUCTION PERMIT SHALL BE OBTAINED AND A FEE PAID FOR CONSTRUCTION INSPECTION AND RECORD PLANS TO THE DEPARTMENT OF PUBLIC WORKS AT THE PERMITTING AND RECORDING OFFICE, 1201 WEST 11TH STREET, LOS ANGELES, CALIFORNIA 90015. THE PERMIT TO START WORK SHALL BE VALID FOR 180 DAYS FROM THE DATE OF ISSUANCE. THE PERMIT FEE IS \$100.00. THE PERMIT FEE MUST BE FILED WITH THE PERMIT APPLICATION.
- PRIOR TO ISSUANCE OF ANY PERMIT, THE CONTRACTOR SHALL FILE A PERMIT FOR CONSTRUCTION INSPECTION AND RECORD PLANS TO THE DEPARTMENT OF PUBLIC WORKS AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF PERMIT.
- IF WORK IS TO BE DONE IN A STATE HIGHWAY RIGHT-OF-WAY, THE CONTRACTOR MUST OBTAIN FROM THE CALIFORNIA DIVISION OF HIGHWAYS, 1201 WEST 11TH STREET, LOS ANGELES, CALIFORNIA 90015, A PERMIT TO CONSTRUCT WITHIN THE RIGHT-OF-WAY.
- WHEN WORK IS WITHIN A CONTRACT CITY, THE CONTRACTOR MUST CONTACT THE DIRECTOR OF PUBLIC WORKS OF THAT CITY TO DETERMINE THE LOCATION TO PAY THE INSPECTION FEE.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT OFFICE, LISTED ON THE APPLICATION FOR CONSTRUCTION INSPECTION AND RECORD PLANS, FOR AN ACCEPTABLE CONSTRUCTION START DATE AND SHALL NOTIFY THE CONTRACTOR DIVISION BY TELEPHONE AT (213) 638-2586.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY AND COUNTY OF LOS ANGELES FOR THE CONSTRUCTION OF THIS PROJECT.
- APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE OF THE ACCURACY OF THE INFORMATION OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITIES OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL PAGES.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1988 EDITION, INCLUDING SUPPLEMENTS, AND THE SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS AND SEWER MAINS, AS SHOWN ON LOS ANGELES DEPARTMENT OF PUBLIC WORKS STANDARD PLANS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 700.01 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, WHICH IS REFERRED TO AS SECTION 700.01 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AS SHOWN ON LOS ANGELES DEPARTMENT OF PUBLIC WORKS STANDARD PLANS.
- 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 SHALL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
- ORDERS TO WHICH THIS APPROVEMENT IS NOT CONSTRUCTED ARE SHOWN ON PLANS AND APPROVED GRADE POINTS FOR TOP OF CURBS, CENTERLINE OF DRIVE OR CENTERLINE OF ALLEYS, AND CENTERLINE OF CURBS OR CURB LINES AT ALL POINTS. BE AREA DESIGNATED POINTS. THE GRADE SHALL BE ESTABLISHED AS TO CONFORM TO A STRAIGHT LINE JOINING BETWEEN SAID QUANTITY POINTS.
- THE PRIVATE ENGINEER SHALL FURNISH TO THE DEPARTMENT OF PUBLIC WORKS WITHIN THIRTY DAYS AFTER THE DATE OF THE PERMIT, ALL HOUSE LATERALS AND 12" OR 14" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THE PREPARED LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED IN A STRAIGHT LINE FROM THE MAINLINE SEWER TO THE HOUSE LATERAL EXCEPT AS SHOWN ON THE PLANS. HOUSE LATERALS SHALL BE AT LEAST THREE FEET ABOVE FINISHED GRADE WITH THE MAIN SEWER AND CHANGE IN ALIGNMENT SHALL BE INDICATED BY WRITING BY THE PRIVATE ENGINEER.
- THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY, BELOW THE TOP CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.

### CONSTRUCTION NOTES:

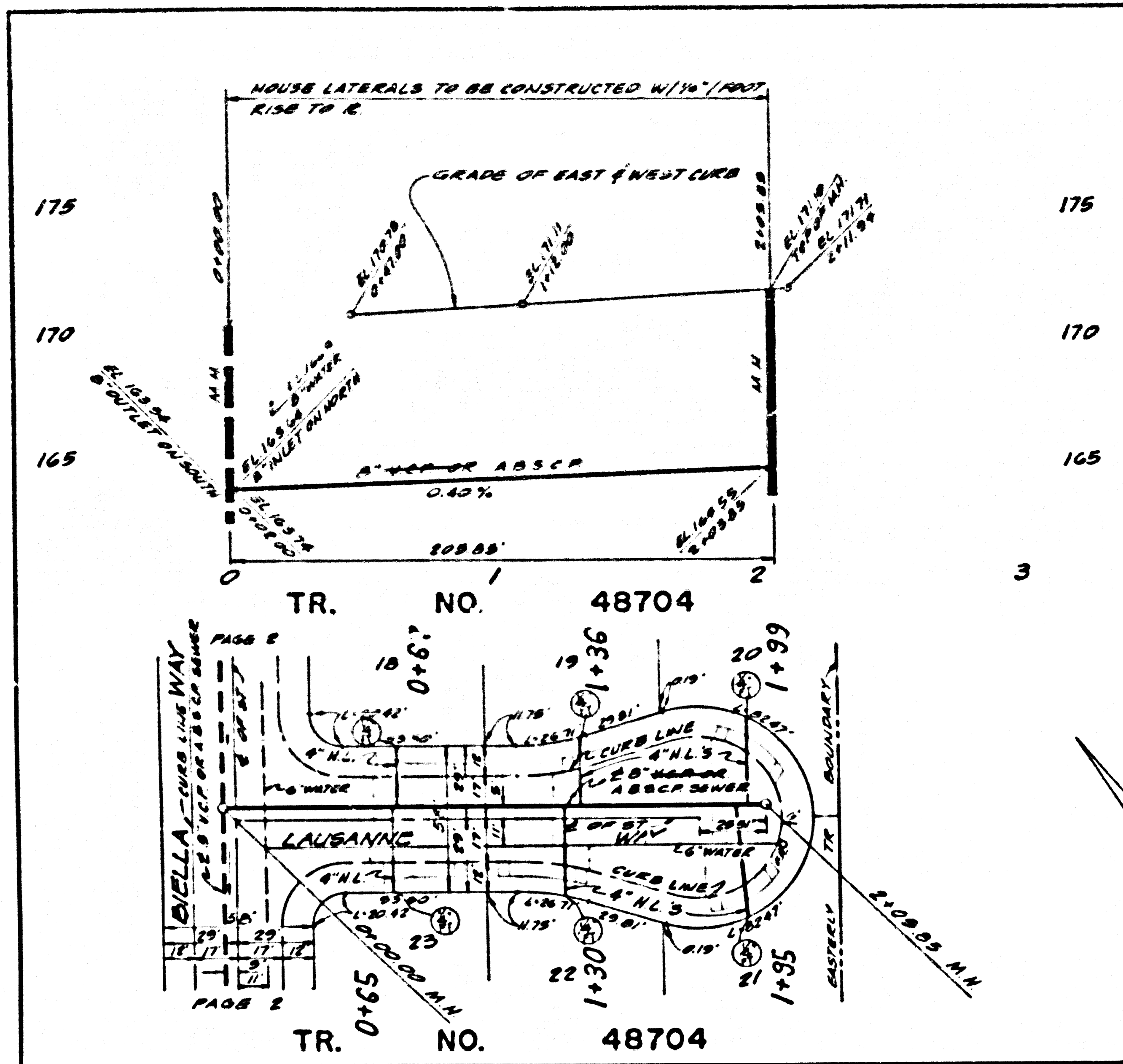
- PROVIDE SURVEY STAKES ON THE PROPERTY LINE OR PROPERTY LINES PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
- WRAPPED CLAY PIPE JOINTS SHALL BE TYPE "B" OR "B" PER STANDARD SPECIFICATIONS SECTION 700.2.
- A 6" HOLE SHALL BE MADE THROUGH THE SEWER LINE SHALL BE ENCASED PER STANDARD PLAN B-22, CASE II, 10" FEET ON EACH SIDE FROM THE CENTERLINE OF THE LINE.
- ALL JOINTS BETWEEN CAST IRON PIPE AND INTERPOLAR PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "D" WITH BUSHING OF INTERPOLAR PER STANDARD SPECIFICATIONS SECTION 700.2.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT THE PROPERTY LINE FEET BELOW CURB GRADE EXCEPT AS NOTED.
- WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- IF DURING THE COURSE OF CONSTRUCTION IT IS DETERMINED THAT THERE IS LESS THAN FOUR FEET OF COVER OVER THE TOP OF A MANHOLE OR HOUSE LATERAL, COVER WHICH IS NOT INCLUDED ON THE PLANS, THE PIPE SHALL BE ENCASED PER STANDARD PLAN B-22, CASE II, UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER STANDARD PLAN B-1 OR PRECAST CONCRETE SEWER MANHOLES PER STANDARD PLAN B-2 OR REINFORCED PRECAST CONCRETE MANHOLE PER STANDARD PLAN B-26 AS SHOWN ON THE PLANS.
- REINFORCE ALL TRENCHES WITHIN RIGHT-OF-WAY WITH LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH THE PLANS.
- FULL COMPLIANCE WITH SECTION 700.13 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPLETION AND SUFFICIENCY BY A QUALIFIED CIVIL ENGINEER SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
- ALL BACKFILL AND FILL OUTSIDE OF STREET RIGHT-OF-WAY SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY THE STANDARD COMPACTION TEST (ASTM D 1557) UNLESS OTHERWISE SPECIFIED. THIS SHALL BE CERTIFIED BY A QUALIFIED CIVIL ENGINEER. THIS CERTIFICATION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS PRIOR TO ACCEPTANCE OF THE WORK BY THE COUNTY.
- MANHOLE TOPS IN UNAPPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 700.14 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.



P.C. 11085 PAGE 2  
REVIEWED BY *Sandy G. ...* 9/10/90  
NO L.A. COUNTY CHARGE FOR CONNECTIONS

SEE SANITATION DISTRICT FOR SPECIAL CONSTRUCTION CHARGES

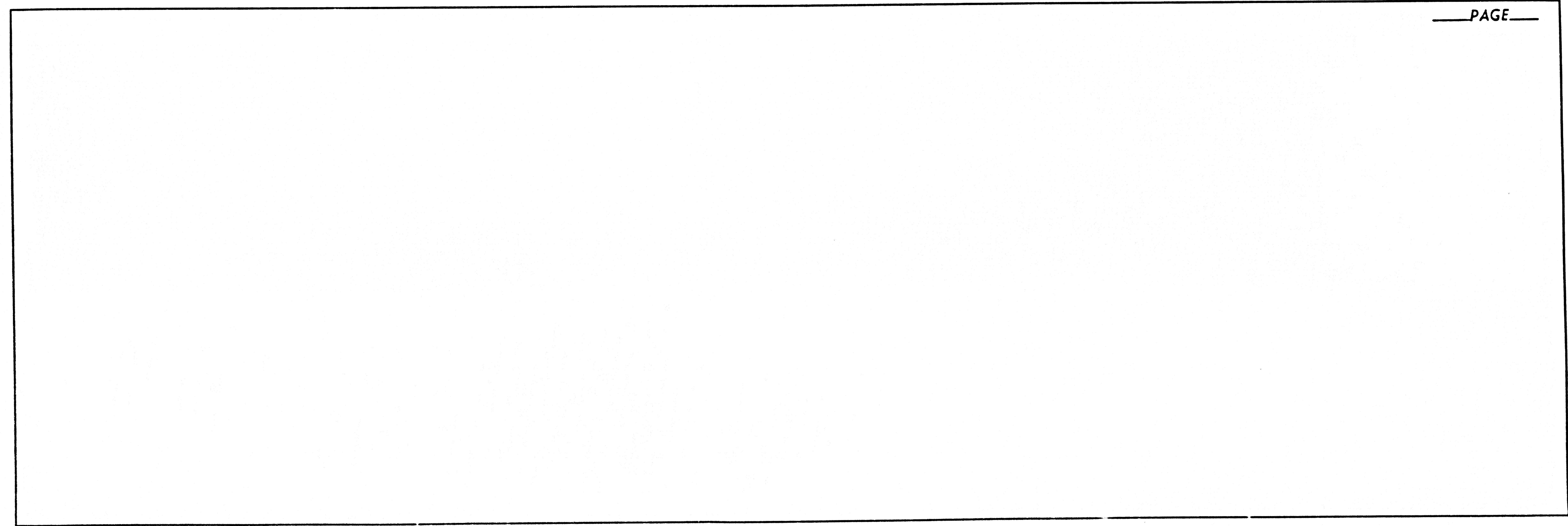
28011 29  
40784 ON TRACT



REVIEWED BY: Sam G. 142 **PC.11085 PAGE 3**  
 NO L.A. COUNTY CHARGE FOR CONNECTIONS

SEE SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES EXT 3716

5  
 28011 30  
 40784 ON TRACT



PAGE