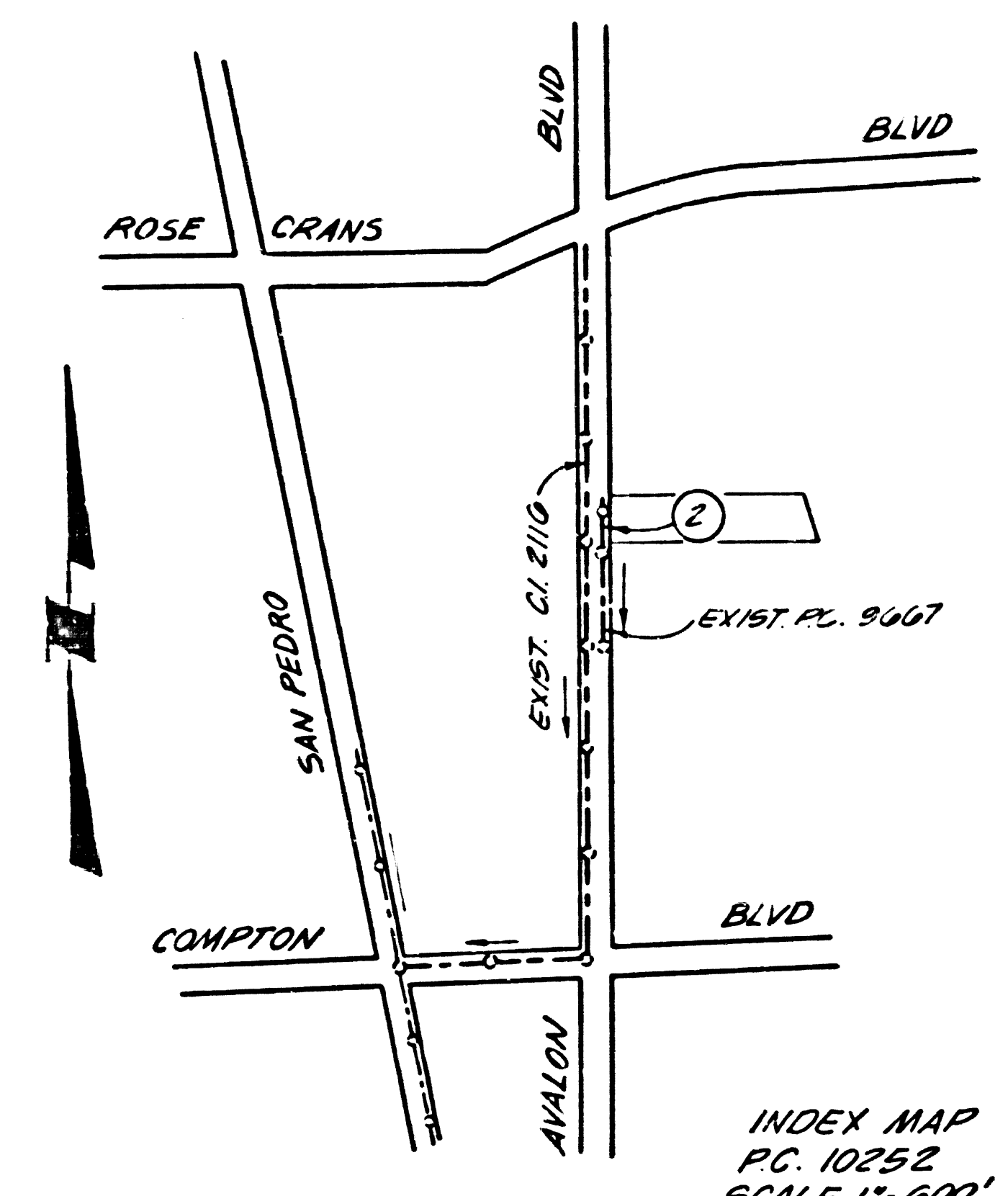


PROFILE, ALIGNMENT AND GRADE OF PAGE 1
SANITARY SEWERS
 TO BE CONSTRUCTED IN
AVALON BLVD.
 PRIVATE CONTRACT NO. 10252

W.S. 20-90
 1 SHEET, 2 PAGES
 SCALE: VERT. 1"=4' HORIZ. 1"=40'
 MAY 21, 1984
 PREPARED IN THE OFFICES OF
PHELPS/ABC ENGINEERS 213-430-1975
 P.O. BOX 14387 LONG BEACH, CA 90803
 BY: P. J. H. / J. H. / J. H.
 REG. C. E. No. 31417

50537

B.M. C.Y. 2141 ELEV. 95.325
 4.7' DIA. E. CB. AVALON BLVD. 40 FT.
 5.0' DIA. 1' 10.50 FT. N/O COMPTON BLVD.
 N/O CTR. STORAGE V.D. OF NO. 14800
 MKD. (B.M.)
 BARCELONA QUAD. 19 82



NOTE
 NUMBER IN CIRCLE
 INDICATE PAGE NUMBERS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THIS PLAN ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS, TO THE BEST OF OUR KNOWLEDGE THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS MAP THE CONTRACTOR IS REQUIRED TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING.

GENERAL NOTES:

- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL DATUM OF 1929
- NO REVISIONS SHALL BE MADE IN THE PLANS WITHOUT THE APPROVAL OF THE COUNTY ENGINEER
- NO REPRESENTATIVE OF THE COUNTY ENGINEER 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 FOR TOP OF CURBS CENTER LINE OF STREETS OR CENTER LINE OF ALLEYS AND 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
- THE PRIVATE ENGINEER SHALL FURNISH THE COUNTY ENGINEER WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 1" OR 1 1/2" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THE PROPER LOCATIONS WITH STATIONING PLAINLY 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
- 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 SHEETS
- BEFORE WORK CAN BE STARTED THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE L.A. COUNTY ROAD DEPT. DISTRICT OFFICE NO. 27 AND PAY A FEE TO THE COUNTY ENGINEER 500 S. VERMONT AVENUE LOS ANGELES, CA 90005 TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS
- IF WORK IS TO BE DONE IN A STATE HIGHWAY AREA 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 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 71041 OF THE STANDARD SPECIFICATIONS REGARDING SAFETY ORDERS
- PRIOR TO THE ISSUANCE OF THE REQUIRED SEWER CONSTRUCTION PERMIT THE CONTRACTOR SHALL OBTAIN AND FILE WITH THE COUNTY ENGINEER COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE LOS ANGELES COUNTY ROAD DEPARTMENT AND A PERMIT FOR EXCAVATION AND TRENCHES FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKER'S COMPENSATION INSURANCE WITH THE DEPARTMENT OF COUNTY ENGINEER 500 SOUTH VERMONT AVE. LOS ANGELES, CALIFORNIA 90005 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 1982 EDITION WITH SUPPLEMENTS AND COUNTY ENGINEER SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED 5/27/76 AND SHALL BE PROTECTED UNLESS IN THE PRESENCE OF THE COUNTY ENGINEER
- THE CONTRACTOR SHALL NOTIFY THE ENVIRONMENTAL DEVELOPMENT DIVISION BY TELEPHONE 720 9146 AT LEAST TWENTY FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 6 FEET BELOW CURB GRADE EXCEPT AS NOTED
- WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAIN LINE SEWERS EXCEPT AS NOTED
- ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER S 22 OR PRECAST CONCRETE MANHOLES PER S. IN EXCEPT AS NOTED PROVIDE STAKES ON THE PROPERTY LINE OR PROPERTY LINES INDICATED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTER LINE OF EACH MANHOLE
- MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE
- WITHEDED CLAY PIPE JOINTS SHALL BE TYPE D OR G PER STANDARD SPECIFICATIONS SECTION 208.2
- IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER THE SEWER SHALL BE ENCASED PER S 23 CASE 1 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 MAIN LINE OR HOUSE LATERAL SEWER WHICH IS NOT INDICATED ON THE PLANS THE PIPE SHALL BE ENCASED PER S 23 CASE 1 UNLESS OTHERWISE APPROVED BY THE COUNTY ENGINEER
- ALL JOINTS IN THREE INCH AND SMALLER 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 1014 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS
- RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS
- FULL COMPLIANCE WITH SECTION 208.15 OF THE SPECIAL PROVISIONS WILL BE REQUIRED FOR BACKFILL IN STREETS CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENT IN UNIMPROVED RIGHTS OF WAY SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE
- SPECIAL BACKFILL IN BASEMENT CONSTRUCTION IS BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN AS APPROVED FOR THE DEVELOPMENT BY THE BUILDING AND SAFETY DIVISION. ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 80% IN MAXIMUM DENSITY PER ASTM D 1557 METHOD OF TEST D9007 AS MODIFIED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE ENVIRONMENTAL DEVELOPMENT DIVISION

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE COUNTY ENGINEER SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT

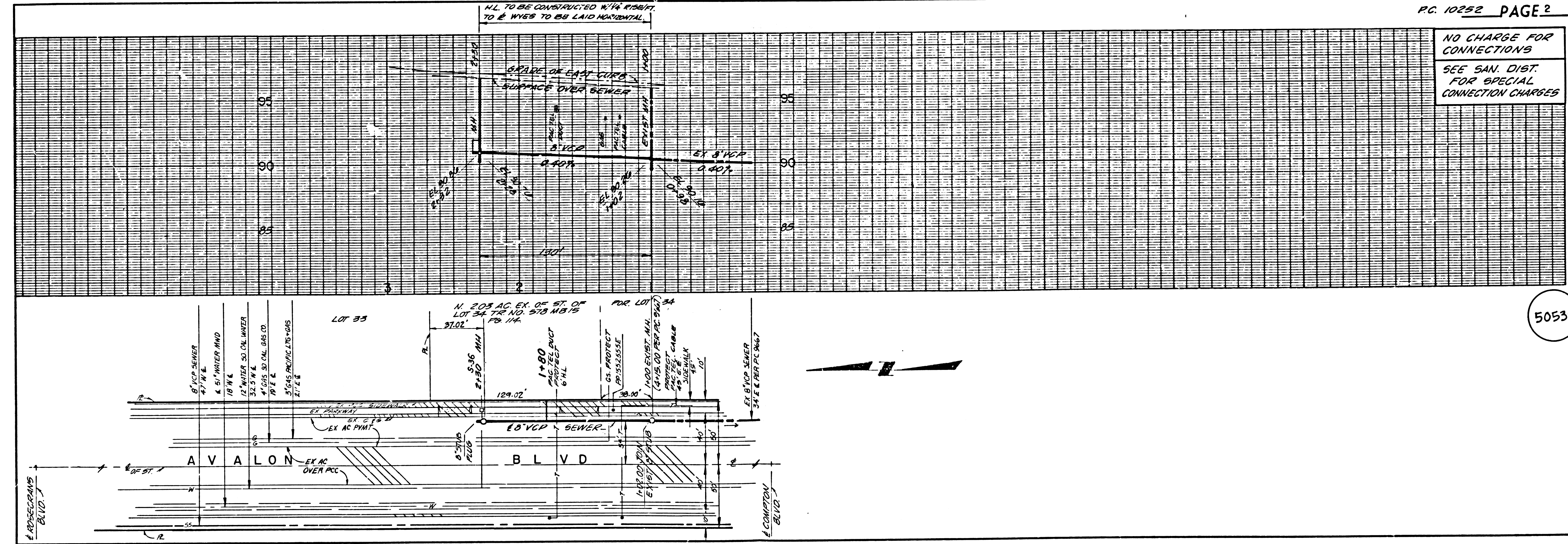
LEGEND	S 1
MINIMUM PUBLIC SAFETY REQUIREMENTS	S 2
BRICK MANHOLE	S 3
STANDARD MANHOLE TOP	S 4
ROOFING FOR SEWER PIPE	S 5
CLEARING AND ENCASUREMENT	S 23
WYE OR TEE SUPPORT	S 24
ALLOWABLE TRENCH WIDTHS	S 26
LOCKING MANHOLE FRAME AND COVER	S 28
NON-REINFORCED PRECAST CONCRETE MANHOLE	S 29

COUNTY OF LOS ANGELES, CALIFORNIA
 STEPHEN J. KOONCE, COUNTY ENGINEER CHARLES W. GARRY, CHIEF ENGINEER
 CO. SAN DIST. NO. 12
 APPROVED *[Signature]* 5-11-84 APPROVED *[Signature]* 5-11-84
 (DATE) (DATE)
 CHECKED *[Signature]* 5-11-84
 (DATE)
 M.B. C.A. NO. 33134
 LENNOX BLDG. DIST. 7

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 638-1161 SO THAT REQUIRED INSPECTION CAN BE MADE.

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NO CHARGE FOR CONNECTIONS
 SEE SAN. DIST. FOR SPECIAL CONNECTION CHARGES

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