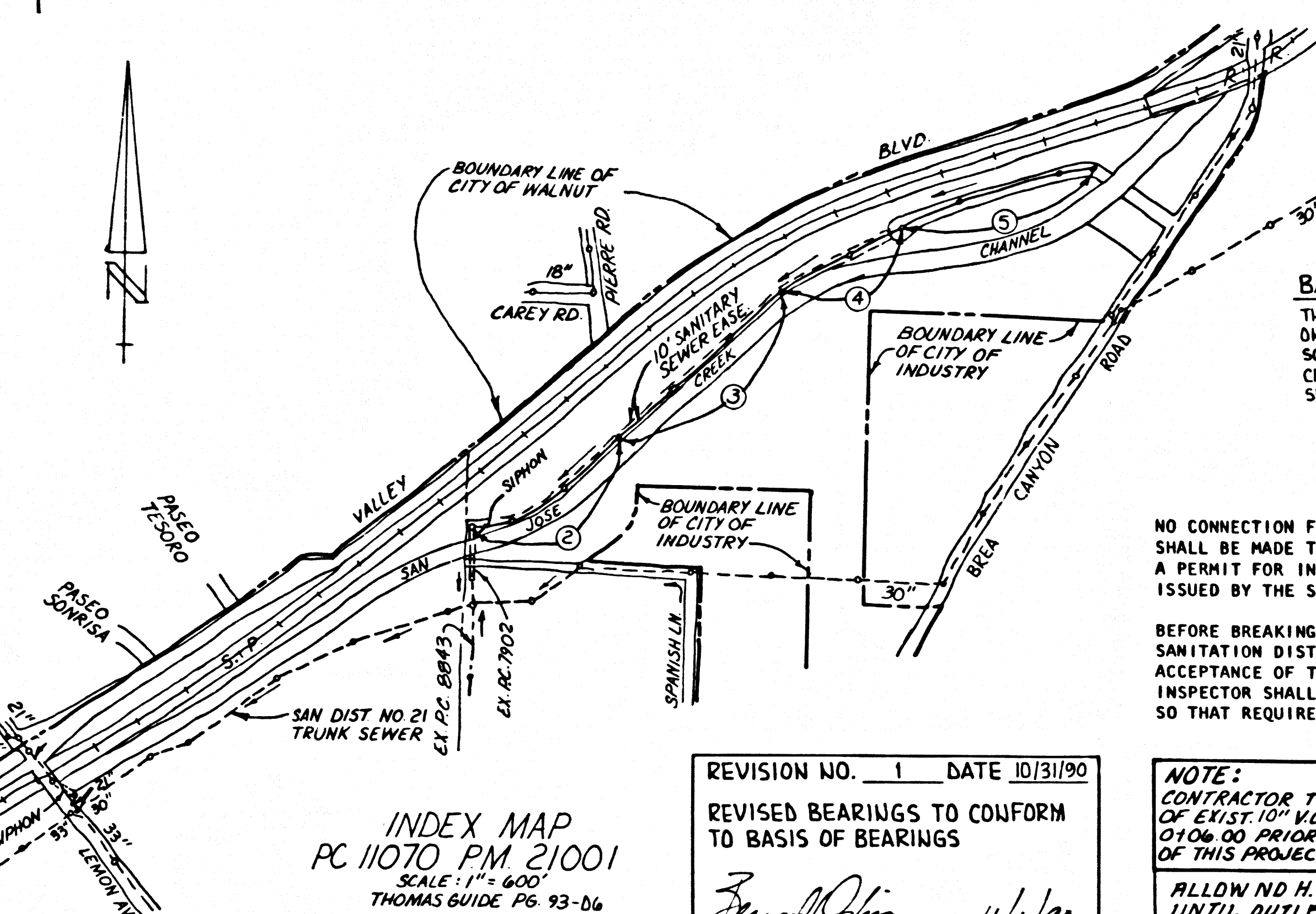


B.M. CG 4094 ELEV. 577.582
 LARG. DISC. IN N. WALL OF FC CHANNEL. 5 FT. ETO N.E.
 CORNER OF BRIDGE 10 FT. S AND 22 FT. E. CL. INT.
 VALLEY BLVD AND BREA CANYON RD. MKD.
 (B.M. 103-00005).
 OTTERBEIN QUAD. 19 20



BASIS OF BEARINGS
 THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING $N41^{\circ}31'52''E$ OF THE SOUTHEASTERLY LINE OF THE SAN JOSE CREEK FLOOD CONTROL CHANNEL AS SHOWN ON R.S. 108146-50.

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.

REVISION NO. 1 DATE 10/31/90
 REVISED BEARINGS TO CONFORM TO BASIS OF BEARINGS
 APPROVED BY *Frank Quinn* 11/1/90
 DATE

NOTE:
 CONTRACTOR TO VERIFY ELEVATION OF EXIST. 10" V.C.P. SEWER AT STA. 0+00.00 PRIOR TO CONSTRUCTION OF THIS PROJECT.
 ALLOW HD H.I. CONNECTIONS UNTIL OUTLET P.C. 79 02.15 IS ACCEPTED FOR PUBLIC U.S.P. BY LOS ANGELES COUNTS.

GENERAL NOTES:

1. 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 PERMIT OFFICE 100 SOUTH FISHBONE AVENUE, 8TH FLOOR, LOS ANGELES, CALIFORNIA, AT LEAST 72 HOURS PRIOR TO STARTING WORK UNDER THIS CONTRACT. COPIES OF ALL OTHER REQUIRED PERMITS, SUCH AS PLUMB EXCAVATION, CAL PAVES, ETC. MUST BE FILED WITH THE PERMIT APPLICATION.
2. PRIOR TO ISSUANCE OF ANY PERMIT THE CONTRACTOR SHALL FILE A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKER'S COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS NAMED AS THE CERTIFICATE HOLDER TO BE NOTIFIED 30 DAYS PRIOR TO CANCELLATION OF PERMIT.
3. 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.
4. 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.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT OFFICE LISTED ON THE APPLICATION FOR CONSTRUCTION PERMIT TO ARRANGE FOR AN ACCEPTABLE TIME FOR CONSTRUCTION START AND SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE THE PREVIOUS DAY AT LEAST SEVEN (7) HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
6. APPROVAL OF THIS PLAN BY THE COUNTY OF LOS ANGELES DOES NOT CONSTITUTE A REPRESENTATION AS TO 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 PHASES.
7. 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, DATED JULY 31, 1989, AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS PERSONNEL.
8. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARD TO SAFETY CIRCLES AND SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON LOS ANGELES DEPARTMENT OF PUBLIC WORKS STANDARD S-2.
9. ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. SEA LEVEL, DATUM OF 1929.
10. NO REVISIONS SHALL BE MADE IN THESE PLANS WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
11. NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SURVEY OR LAY OUT ANY PORTION OF THE WORK.
12. GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR TOP OF CURBS, CENTERLINE OF STREETS OR CENTERLINE 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.
13. THE PRIVATE ENGINEER SHALL FURNISH THE DEPARTMENT OF PUBLIC WORKS WITH GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "C" OR "T" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH DESIGNATED 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 SHALL NOT BE AT AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
14. THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADE SHEET.

CONSTRUCTION NOTES:

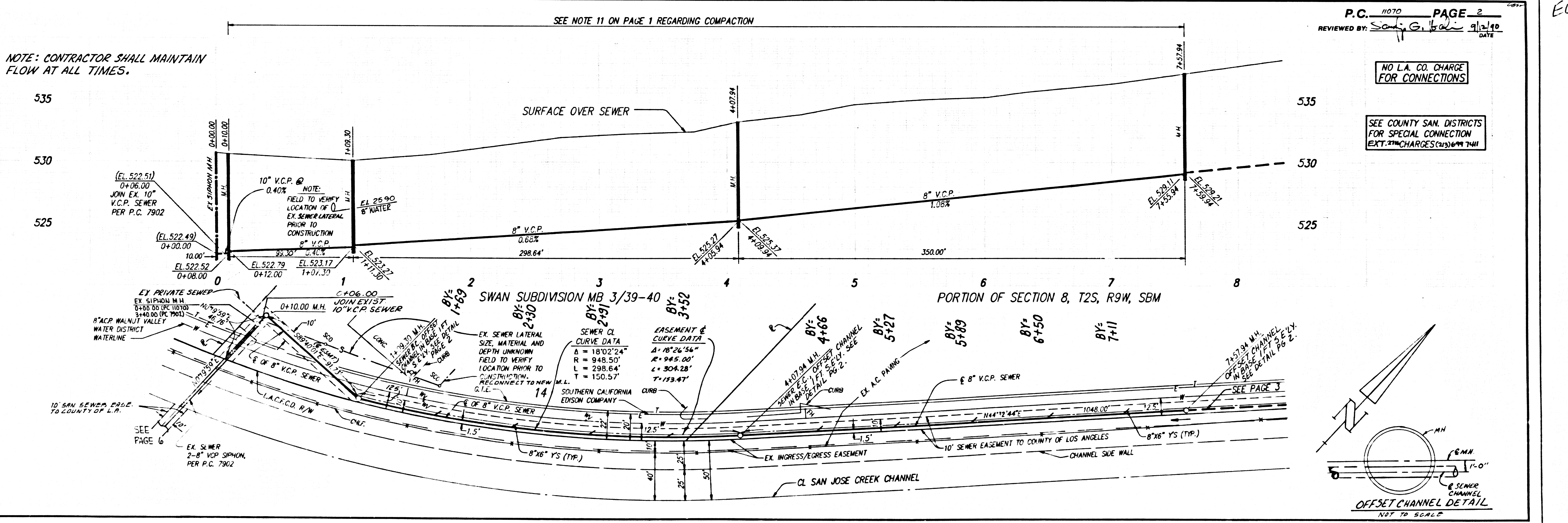
1. PROVIDE SURVEY STAKES ON THE PROPERTY LINE PRODUCED AT RIGHT ANGLES TO THE SEWER LINE AT THE CENTERLINE OF EACH MANHOLE.
2. REINFORCED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "D" PER STANDARD SPECIFICATIONS SECTION 208-2.
3. A POWER POLE IS WITHIN THREE FEET OF THE SEWER. THE SEWER SHALL BE ENCASED PER STANDARD PLAN S-23 CASE II, TWO FEET ON EACH SIDE FROM THE POINT OF INTERFERENCE.
4. ALL JOINTS BETWEEN CAST IRON PIPE AND REINFORCED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "D" WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 208-2.
5. HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT THE PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED.
6. WYE OR Tee BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
7. IN 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 NOTED ON THE PLANS, THE GRADE SHALL BE RAISED PER STANDARD PLAN S-24 OR REINFORCED PRECAST CONCRETE MANHOLE PER STANDARD PLAN S-24, OR PRECAST CONCRETE SEWER MANHOLES PER STANDARD PLAN S-24, OR REINFORCED PRECAST CONCRETE MANHOLE PER STANDARD PLAN S-4, EXCEPT AS NOTED.
8. RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH THE PERMITS.
9. FULL COMPLIANCE WITH SECTION 208-1.3 OF THE STANDARD SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. CERTIFICATION OF BACKFILL COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED CIVIL ENGINEER SHALL BE PROVIDED BY THE PERMITTEE PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE.
11. ALL BACKFILL AND FILL OUTSIDE OF STREET RIGHT OF WAY SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM SOIL COMPACTION METHOD D 1557 BY METHOD "D" 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.
12. MANHOLE TOPS IN UNIMPROVED RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
13. SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208-1.1 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWERS
 TO BE CONSTRUCTED IN
 P.M. NO. 21001
PRIVATE CONTRACT NO. 11070
 INDEX U-143
 3 SHEETS; 5 PAGES
 SCALE: HORIZ. 1"=40' VERT. 1"=4'
 MAY 21, 1990
 PREPARED IN THE OFFICES OF
 DALE K. PRICE & ASSOC., INC.
 235 N. HANFORD, SUITE E
 ORANGE, CA 92668
 TEL. NO. (714) 978-7334
 BY: *Dale K. Price*
 REG. C.E. NO. 24004 EXP. 12-31-93

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:

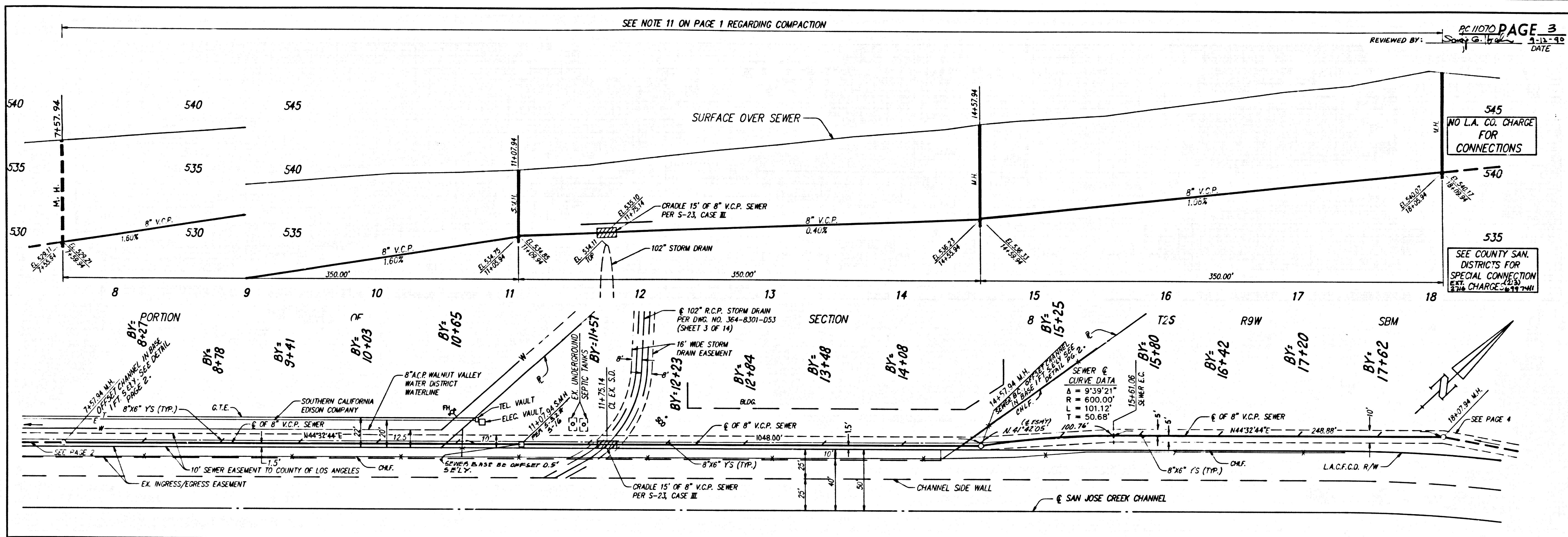
LEGEND	
MINIMUM PUBLIC SAFETY REQUIREMENTS	S-1
BRICK MANHOLE	S-2
REINFORCED PRECAST CONCRETE MANHOLE	S-3
STANDARD MANHOLE STEP	S-4
BEDDING FOR SEWER PIPE	S-5
CRADLING AND ENCASEMENT	S-6
WYE OR Tee SUPPORT	S-7
ALLOWABLE TRENCH WIDTHS	S-8
LOCKING MANHOLE FRAME AND COVER	S-9
NON-REINFORCED PRECAST CONCRETE MANHOLE	S-10
REINFORCED PRECAST CONCRETE MANHOLE	S-11
RECTANGULAR MANHOLE FRAME AND COVER	S-12
PRECAST CONCRETE SHALLOW MANHOLE	S-13

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS
 CHARLES W. CARRY, CHIEF ENGINEER
 CO. SAN DIST. NO. 21
 APPROVED: *Tom Polow*
 CHECKED: *Frank Quinn* 9/13/90
 REG. C.E. NO. 10116 (DATE)



NOTE: CONTRACTOR SHALL MAINTAIN FLOW AT ALL TIMES.

P.C. 11070 PAGE 2
 REVIEWED BY: *Sally G. Galt* 9/13/90
 DATE
 NO L.A. CO. CHARGE FOR CONNECTIONS
 SEE COUNTY SAN. DISTRICTS FOR SPECIAL CONNECTION EXT. CHARGES (313) 369-7441



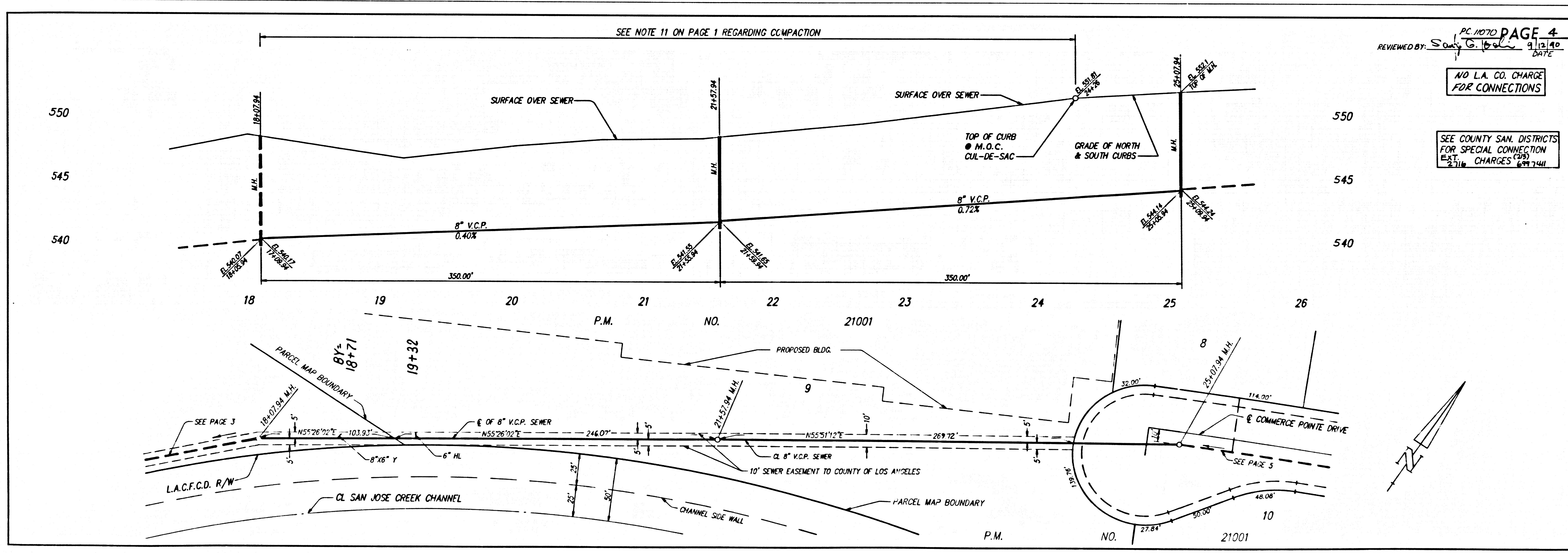
PC 11070 PAGE 3
 REVIEWED BY: *Sandy G. [Signature]*
 DATE: 9/12/90

NO L.A. CO. CHARGE FOR CONNECTIONS

SEE COUNTY SAN. DISTRICTS FOR SPECIAL CONNECTION EXT. CHARGES \$297.74/11

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10015 ON M/A

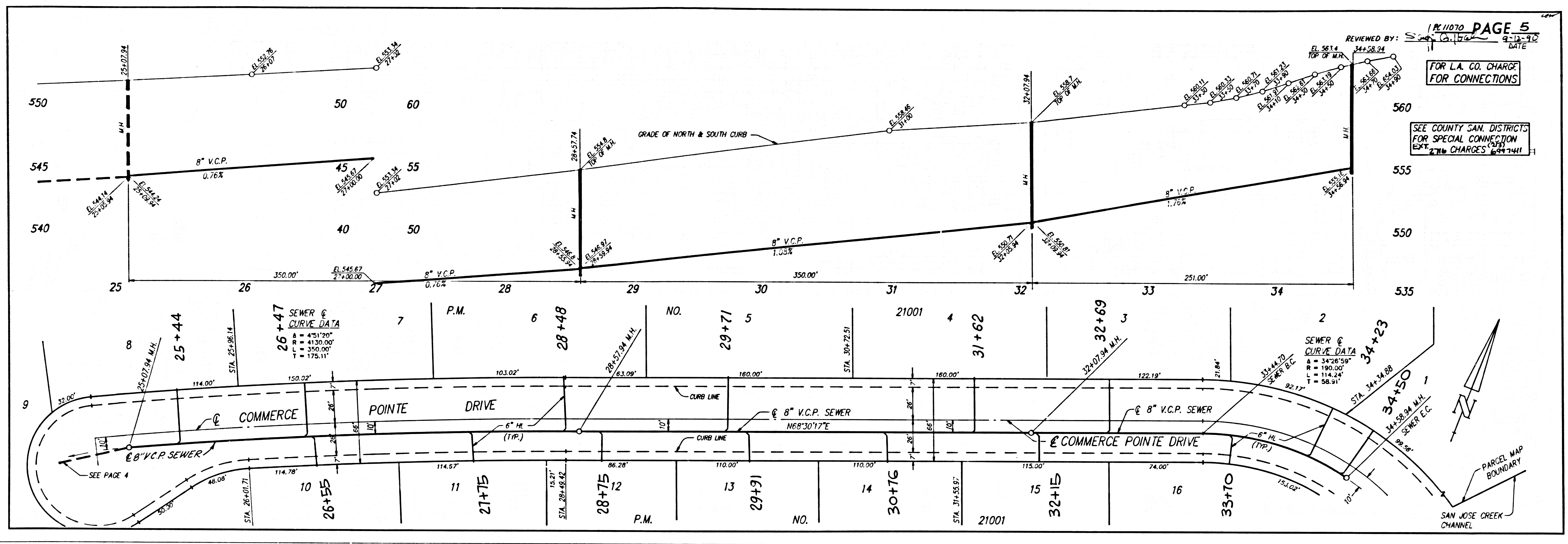


PC 11070 PAGE 4
 REVIEWED BY: *Sandy G. [Signature]*
 DATE: 9/12/90

NO L.A. CO. CHARGE FOR CONNECTIONS

SEE COUNTY SAN. DISTRICTS FOR SPECIAL CONNECTION & EXT. CHARGES \$297.74/11

3



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OTOLL 39

10015 OM N9

