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 WLY C/L THE OLD ROAD 2.0 S' NLY CASTAIC
 JUNCTION MKD (S.M. 208-50 1968
 RE 5867)
 NENHALL QUAD. 19 E 2

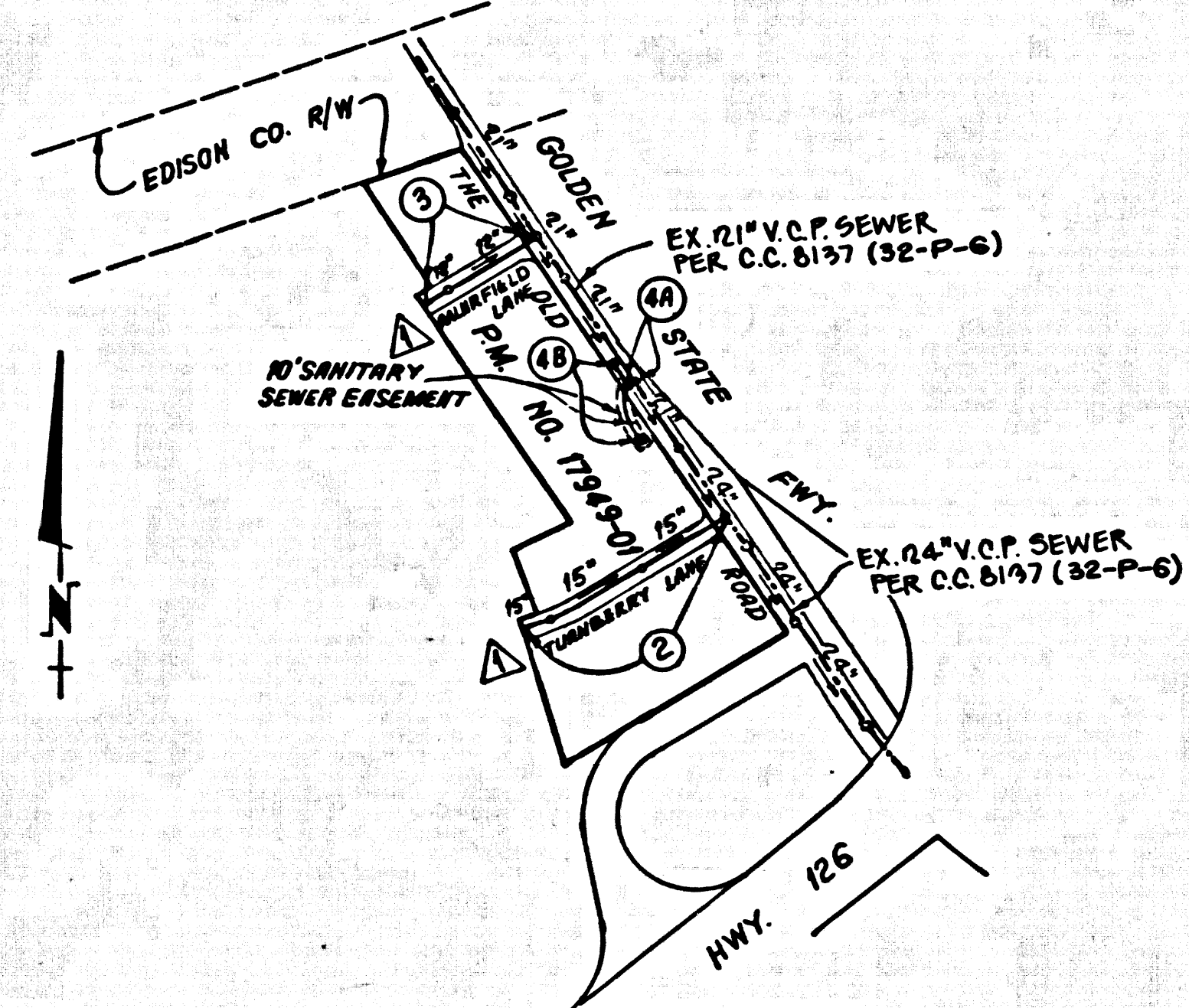
DOUBLE SCALE

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY 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 TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE 800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. CUMMINGS OF GENERAL TELEPHONE COMPANY AT 805-422-4133 TO VERIFY THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

REVISION NO. 1
 PGS 1-3 REVISED STREET NAMES
 FROM THORNTON LANE TO JONN BECK
 FROM MIDDLETON LANE TO MUIRFIELD
 APPROVED BY *[Signature]*
 OFFICE OF THE DIRECTOR OF PUBLIC WORKS

IN ADDITION THE FOLLOWING COUNTY SANITATION DISTRICT STANDARDS SHALL APPLY TO THE CONSTRUCTION OF THIS PROJECT.
 STD. MANHOLE TYPE "D" S-a-204
 STD. 24" MANHOLE FRAME AND COVER S-a-207



INDEX MAP
 SCALE: 1"=100'
 P.C. NO. 11340
 P.M. NO. 17949-01
 THOMAS GUIDE PG. 4459/J-6

NOTE: NUMBER IN CIRCLE INDICATES PAGE NUMBER.

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 LATERALS SHOWN BY CIRCLES ON PROFILES. STALL 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 DEPARTMENT OF PUBLIC WORKS WITH GRADED SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "T" OR "T" BRANCHES AND SHALL PROVIDE STAKES FOR THESE AT THEIR 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 CONCRETE 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 ON THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURB ELEVATION FOR EACH HOUSE LATERAL ON THE GRADED SHEET.
- BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS, PERMIT OFFICE, 900 S. FRENCH AVENUE, ALHAMBRA, CALIFORNIA 91803 - 5TH FLOOR, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.
- IF WORK IS TO OCCUR IN STATE HIGHWAY A PERMIT MUST BE OBTAINED FROM THE STATE OF CALIFORNIA DIVISION OF HIGHWAYS, 100 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 7.16.4.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERING.
- PRIOR TO THE RESUMPTION 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, PERMIT OFFICE, 900 S. FRENCH AVENUE, ALHAMBRA, CALIFORNIA 91803 - 5TH FLOOR, TO COVER THE COST OF CONSTRUCTION INSPECTION AND RECORD PLANS.

CONSTRUCTION NOTES:

- WORK SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1988 EDITION AND DEPARTMENT OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPTEMBER 21, 1978 AND SHALL BE PROTECTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, 818-460-5728, AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 4 FEET BELOW CURB GRADE EXCEPT AS NOTED.
- PIPE ON THE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
- ALL STRUCTURES SHALL BE EITHER BRICK SEWER MANHOLES PER S-a-204 OR PRECAST CONCRETE SEWER MANHOLES PER S-a-207 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 PORTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
- WITRIFIED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "F" PER STANDARD SPECIFICATIONS SECTION 200-5.
- A POWER POLE IS WITHIN THREE FEET OF THE SEWER. THE SEWER SHALL BE ENCASED PER S-a-204, 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 MAIN LINE OR HOUSE LATERAL, V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER S-a-204, CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
- ALL JOINTS BETWEEN CAST IRON PIPE AND WITRIFIED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "D" OR "F" WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 200-2.
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 200-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- RESURFACE ALL TRENCHES WITHIN PAVED AREAS TO MEET LOS ANGELES COUNTY PUBLIC WORKS OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS.
- ALL WALL CURBS, LANE WITH SECTION 902.1.3.1 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 FINAL ACCEPTANCE.
- SPECIAL BACKFILL IN EARTHWORK CONSTRUCTION: ON BACKFILL, TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN APPROVED FOR THIS DEVELOPMENT BY THE LAND DEVELOPMENT DIVISION. IF ALL BACKFILL AND SLOPES SHOWN ON THE GRADING PLAN ARE NOT MET, THE CONTRACTOR SHALL BE NOTIFIED BY PHONE. TEST DATA IF AS MODIFIED, ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPARTMENT.

NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNLESS 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, A SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE. AT 805-208-0053 SO THAT REQUIRED INSPECTIONS CAN BE MADE.

SANITARY SEWERS

PARCEL MAP NO. 17949-01

PRIVATE CONTRACT NO. 11340
 INDEX 1216
 2 SHEETS; 4 PAGES



SCALE: HORIZ. 1"=40' FEBRUARY, 1997
 PREPARED IN THE OFFICES OF
 SEKAND ENGINEERING ASSOCIATES
 17250 BURBANK BLVD., VAN NUYS, CA 91411, TEL. (818) 787-8550
 BY: *[Signature]*
 REG. C.E. NO. 16713

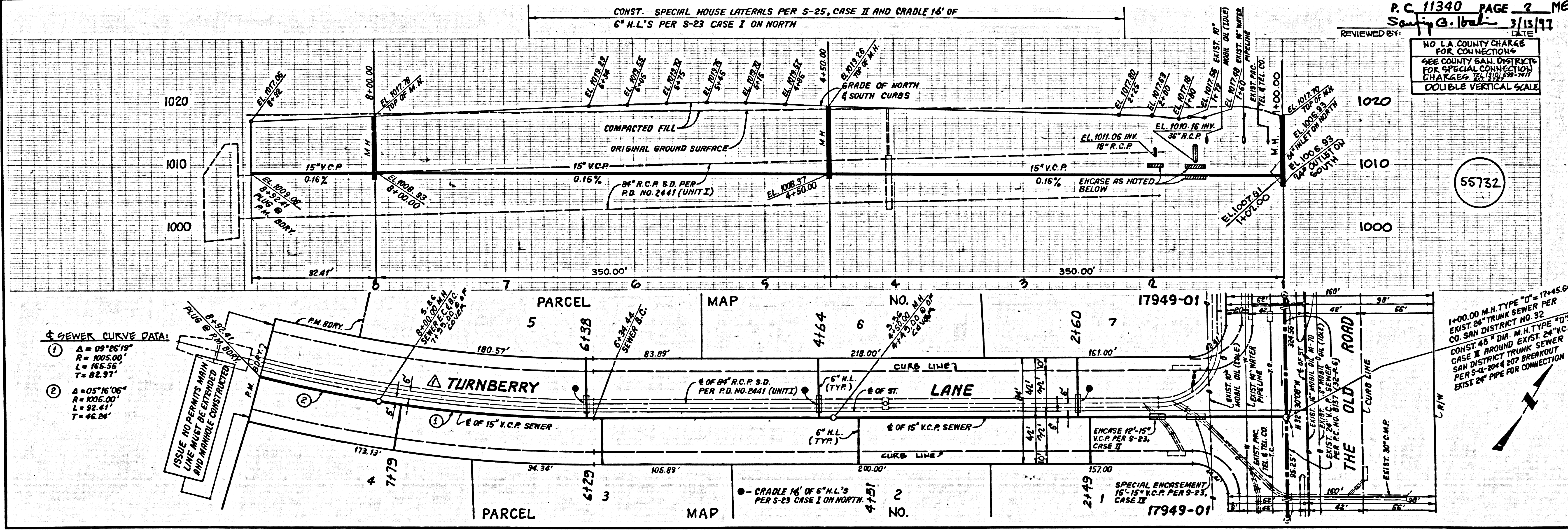
THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

LEGENDS	0-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	0-2
BRICK MANHOLE	0-3
STANDARD MANHOLE STEP	0-7
METHOD FOR SEWER PIPE	0-11
CRADLING AND ENCASEMENT	0-23
WYE OR TEE SUPPORT	0-28
ALLOWABLE TRENCH WIDTHS	0-29
LOCKING MANHOLE FRAME AND COVER	0-30
NON-REINFORCED PRECAST CONCRETE MANHOLE	0-38
SPECIAL HOUSE LATERALS	0-25

(ADDITIONAL STANDARD PLANS - SHOWN AT LEFT)

COUNTY OF LOS ANGELES, CALIFORNIA
 HARRY W. STONE, DIRECTOR OF PUBLIC WORKS
 CHARLES W. DARR, CHIEF ENGINEER
 APPROVED: *[Signature]* 3/17/97
 APPROVED: *[Signature]* 3/17/97
 CHECKED: *[Signature]* 3/17/97
 REG. C.E. NO. 45641 (DATE)

SANTA CLARITA VALLEY BLDG. DIST. 88



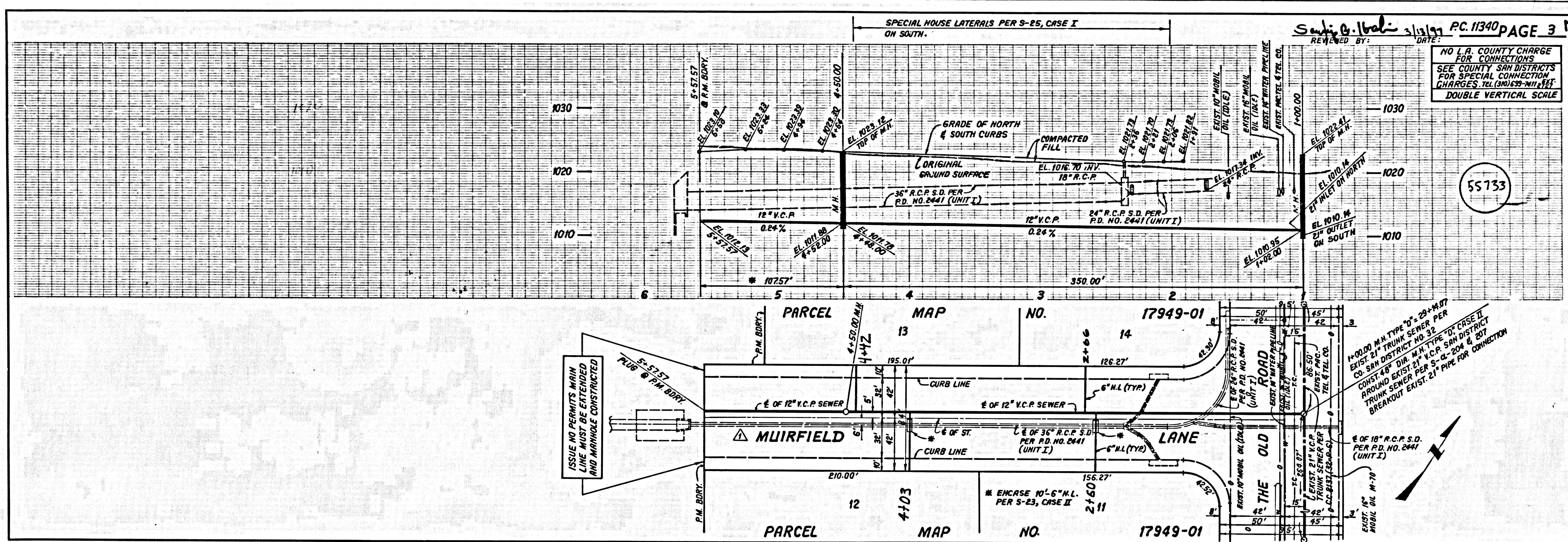
SEWER CURVE DATA:

1	A = 09°15'00"
	R = 1005.00'
	L = 165.56'
	T = 82.91'
2	A = 05°16'06"
	R = 1005.00'
	L = 92.41'
	T = 46.26'

P.C. 11340 PAGE 2 ME
 REVIEWED BY: *[Signature]* 3/13/97

NO L.A. COUNTY CHARGE FOR CONNECTIONS
 SEE COUNTY GAIL DISTRICT FOR SPECIAL CONNECTION CHARGES 22 (1978) 277
 DOUBLE VERTICAL SCALE

1+00.00 M.H. TYPE "D" - 17445-04
 EXIST. SAN. DISTRICT NO. 32
 CO. SAN. DISTRICT NO. 10
 CONST. AS SHOWN M.H. TYPE "D"
 CASE II AROUND EXIST. 24" V.C.P.
 SAN. DISTRICT TRUNK SEWER
 PER S-a-204 & S-27 BREAKOUT
 EXIST. 24" PIPE FOR CONNECTION



5 O'NEILL 09 10-24871 01 M. 9

