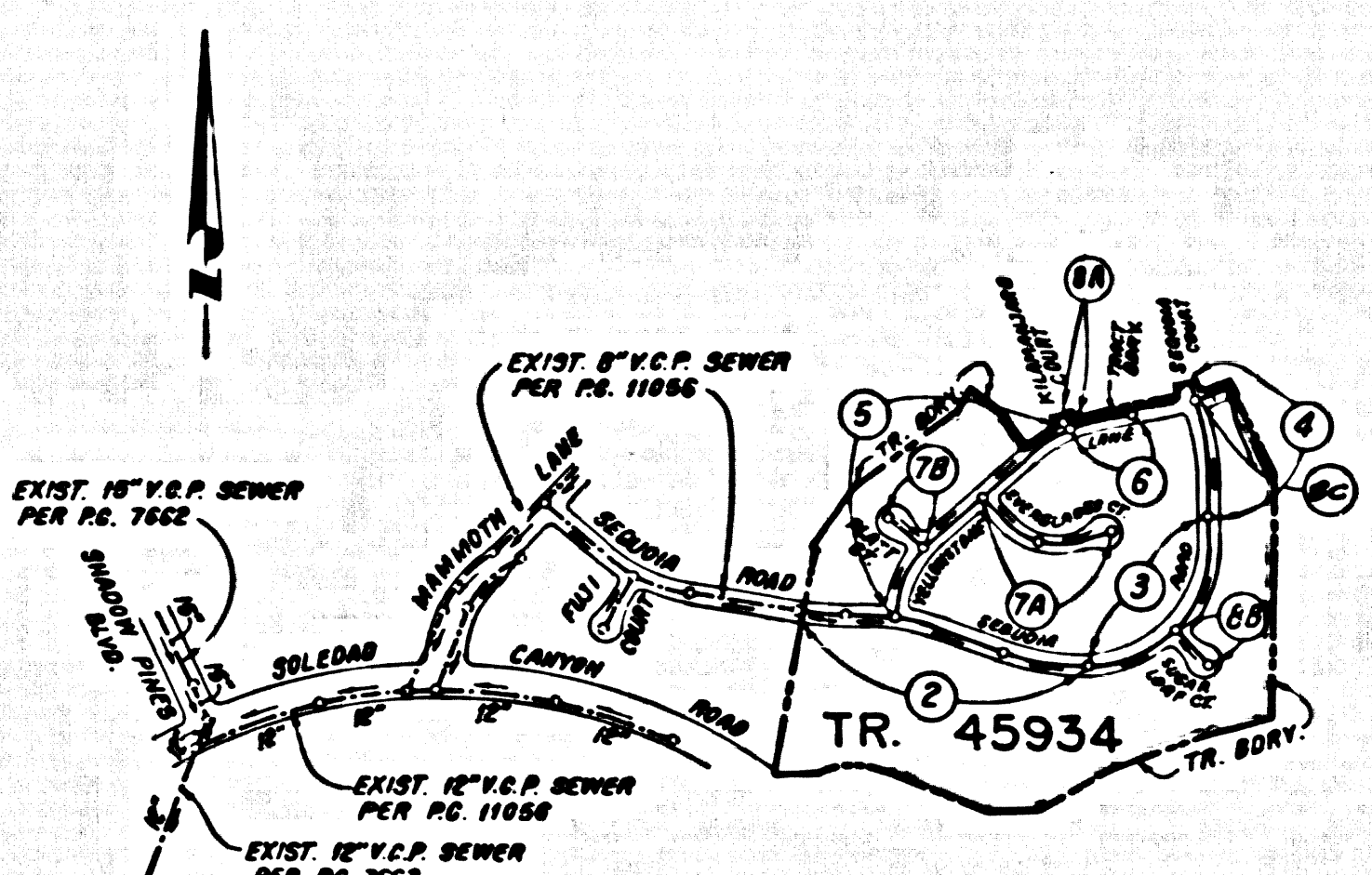


B.M. CL 5009 ELEV 1671.075
 RAMP SET SE COR CONC. BASE LITE POST #35776 AT SE
 COR. SOLEDAD CYN. RD. AND ANTELOPE VALLEY FRN'Y.
 (ELEV. OFF. RAMP) ON RT. 6 CR. OFF. RAMP AND 86 FT.
 5.00 CR. SOLEDAD CYN. 42.5 FT. W. # 1662710 E.
 NEWHALL QUAD. 1923

DOUBLE SCALE

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY
 PIPES OR STRUCTURE SHOWN ON THESE PLANS 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 TAKE DUE
 PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES
 AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON
 THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL
 CALL TOLL FREE 800-422-4333 TO VERIFY THE UNDERGROUND
 LOCATION OF GAS AND TELEPHONE LINES.

REVISION NO. 1 DATE 9-2-96
 PG. 1 REV INDEX MAP
 PG. 2 REV & DELETED PROFILE FROM STA. 82+44.00
 TO STA. 32+42.00. ADD CHAINING TO SERVICE
 LOTS 33 & 34
 PG. 3C ADD PLAN & PROFILE
 APPROVED BY *Sandy G. Hebel* 11/19/96 RCE NO. 33134
 OFFICE OF THE DIRECTOR OF
 PUBLIC WORKS



INDEX MAP
 P.C. NO. 11184 TR. NO. 45934
 TOWNSHIP GUIDE NO. 125, S. 5
 SCALE: 1"=600'
 NOTE: NUMBERS IN CIRCLES
 INDICATE PAGE NUMBERS.

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,
 A SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE
 AT (800) 266-4663 SO THAT REQUIRED INSPECTIONS CAN BE MADE.

ISSUE NO HOUSE CONNECTION PERMITS UNTIL
 OUTLET SEWER P.C. 1185 IS BUILT AND
 ACCEPTED FOR PUBLIC USE BY THE COUNTY
 OF LOS ANGELES.

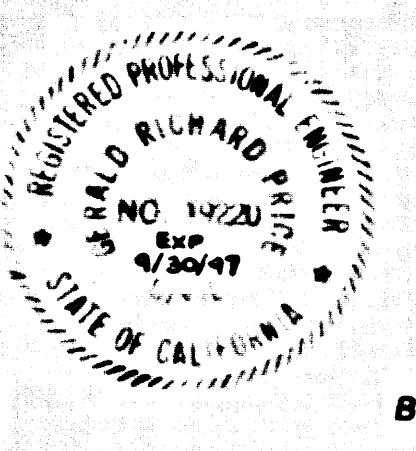
GENERAL NOTES:

- 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, CENTERLINE OF STREETS OR CENTERLINE OF ALLEYS ARE SHOWN BY CIRCLES ON PROFILES. ALL POINTS BETWEEN SAID 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 GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 12" OR 18" BRANCHES AND SHALL PROVIDE STAKES FOR THEM 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 LATERAL STAKES 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 CONSTRUCTION DIVISION OF THE LOS ANGELES DEPARTMENT OF PUBLIC WORKS. PERMIT OFFICE HOURS AND FEES TO THE DIRECTOR OF PUBLIC WORKS, ROOM 5, FAYBENT AVE., ALHAMBRA, CALIFORNIA 91803 - 8TH FLOOR, TO COVER THE COST OF CONSTRUCTION INSPECTION AND 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 714 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 DEPARTMENT OF PUBLIC WORKS COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE CONSTRUCTION DIVISION OF THE DEPARTMENT OF PUBLIC WORKS. PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND CERTIFICATE OF WORKER'S COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, ROOM 5, FAYBENT AVE., ALHAMBRA, CALIFORNIA 91803 - 8TH FLOOR 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) AND DEPARTMENT OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED SEPTEMBER 21, 1989 AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, (800) 262-7886 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT
- HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 5 FEET BELOW CURB GRADE EXCEPT AS NOTED
- WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED
- ALL STRUCTURES SHALL BE EITHER SEWER MANHOLES PER 3-3 OR PRECAST CONCRETE SEWER MANHOLES PER 3-3A, EXCEPT AS NOTED
- PROTECT 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 AREAS TO BE SIX INCHES ABOVE FINISHED GRADE
- WITHEDED CLAY PIPE JOINTS SHALL BE TYPE "D" OR "C" PER STANDARD SPECIFICATIONS SECTION 208-2
- IF JOINTS ARE TO BE WITHIN THREE FEET OF THE SEWER THE SEWER SHALL BE ENCASED PER 5-23 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 5-23 CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS
- ALL JOINTS BETWEEN CAST IRON PIPE AND WITHEDED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "C" OR "D" WITH RUBBER GASKETS PER STANDARD SPECIFICATIONS SECTION 208-2
- SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208-1 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
- FULL COMPLIANCE WITH SECTION 208-1.2 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 CONTRACTOR PRIOR TO THE ISSUANCE OF FINAL ACCEPTANCE
- SPECIAL BACKFILL IN EMBANKMENT CONSTRUCTION IN BACKFILL TRENCHES 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 OF THE COUNTY OF LOS ANGELES. ALL BACKFILL AND EARTH REPAIRS SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DENSITY PER ASTM D 1557 WITHIN OF THE DESIGN STRENGTH MODIFIED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION OF PUBLIC WORKS DEPARTMENT.

PROFILE ALIGNMENT AND GRADE OF
SANITARY SEWERS
 TO BE CONSTRUCTED IN
 TRACT NO. 45934
PRIVATE CONTRACT NO. 11184
 INDEX 1512, 1513
 4 SHEETS, 8 PAGES



SCALE: HORIZ. 1"=50' VERT. 1"=5'
 MAY, 1996
 PREPARED IN THE OFFICES OF
 BRAND ENGINEERING ASSOCIATES
 1530 BURBANK BLVD.
 VAN NUYS, CALIF. 91411 (818) 787-8550
 BY *Sandy G. Hebel*
 REG. C.E. NO. 19220
 EXP. 3/30/97

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	8-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	8-2
BRICK SEWER MANHOLE	8-3
STANDARD MANHOLE STEP	8-17
RECORDING FOR SEWER PIPE	8-21
CONCRETE AND ENCASEMENT	8-22
WYE OR TEE SUPPORT	8-26
ALLOWABLE TRENCH WIDTHS	8-28
LOCKING MANHOLE FRAME AND COVER	8-29
NON-REINFORCED PRECAST CONCRETE SEWER MANHOLE	8-30
SPECIAL INVERSE LATERALS	8-38

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON
 DIRECTOR OF PUBLIC WORKS
 APPROVED *Thomas Tideman* 5/13/96
 CHECKED *Phil Dauder* 5/13/96
 REG. C.E. NO. 15541
 SANTA CLARITA BLDG. DIST. 82

CHARLES W. CARRY
 CHIEF ENGINEER
 CO. SAN DIST. NO. 88
 APPROVED *Charles W. Carry* 5-20-96
 OFFICE ENGINEER
 NEWHALL COUNTY WATER DISTRICT
 APPROVED BY *John A. DeAngelis*
 DATE: 5-20-96
 GEN. MANAGER

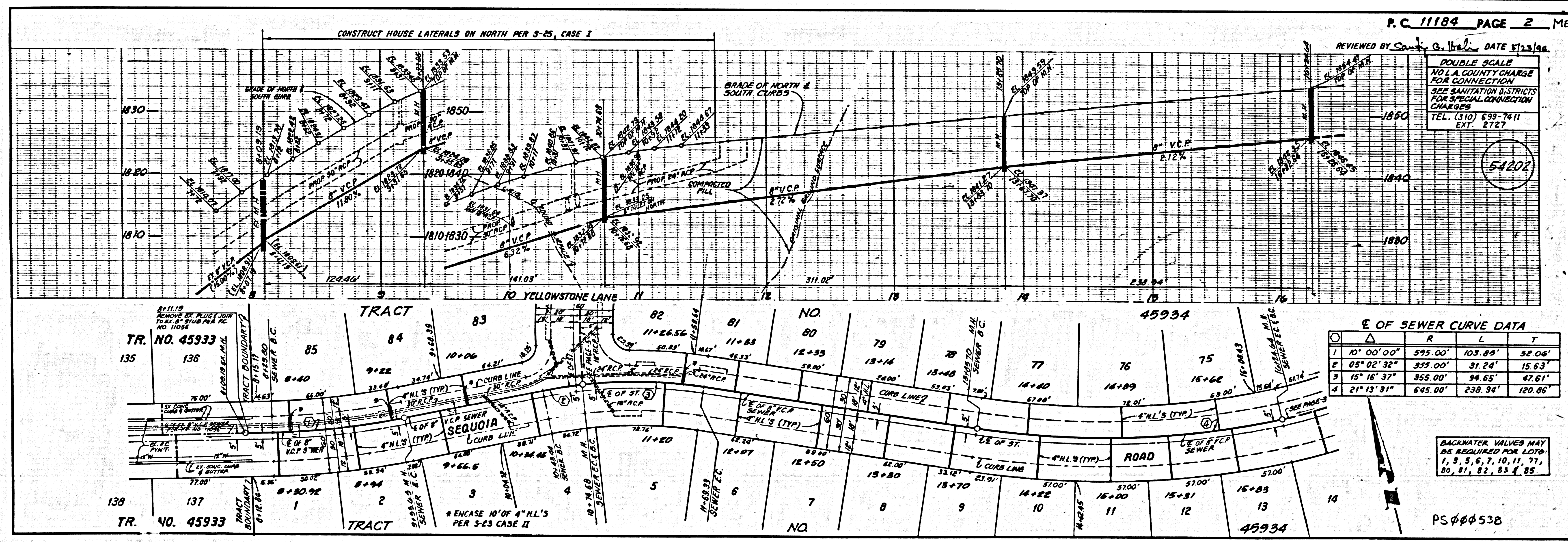
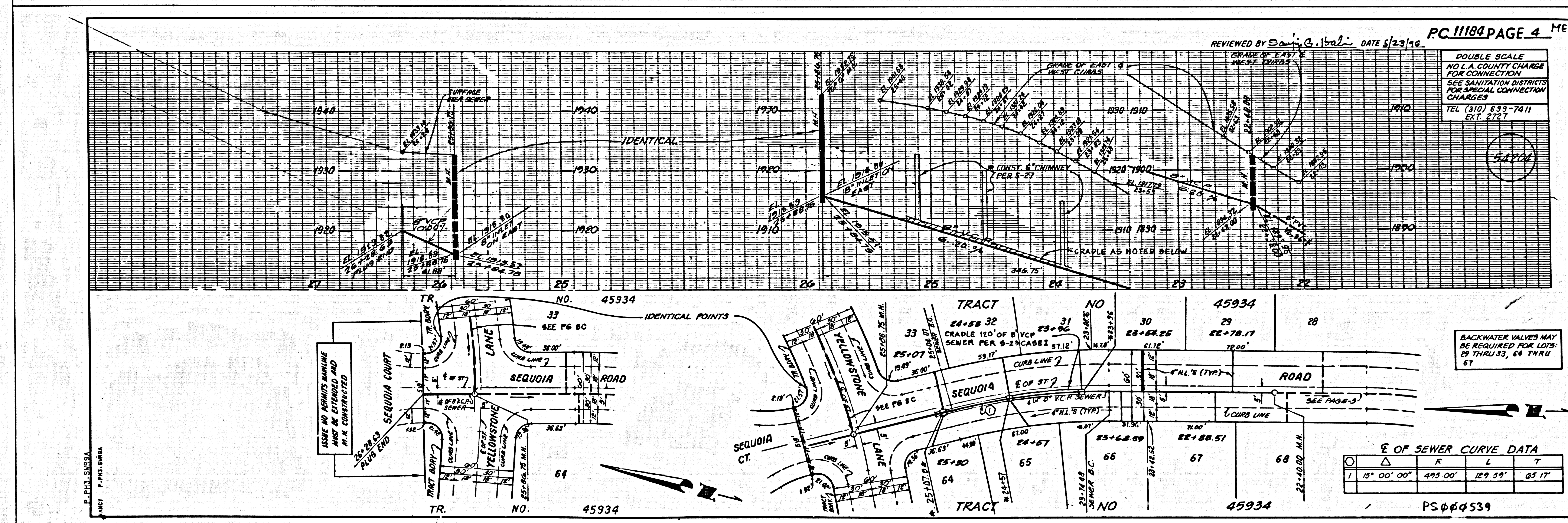
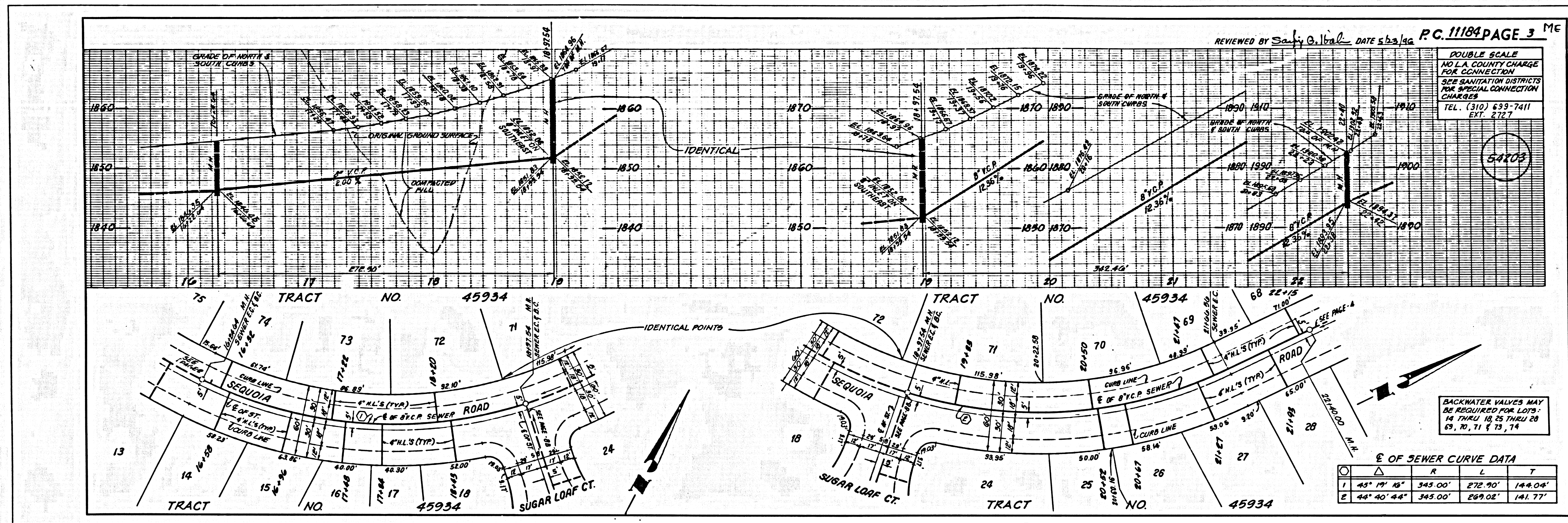


TABLE OF SEWER CURVE DATA

Station	R	L	T
1 10° 00' 00"	595.00'	103.89'	52.06'
2 05° 02' 32"	355.00'	31.24'	15.63'
3 15° 16' 37"	355.00'	94.65'	47.61'
4 21° 13' 31"	645.00'	238.94'	120.86'

BACKWATER VALUES MAY BE REQUIRED FOR LOTS 1, 3, 5, 6, 7, 10, 11, 77, 80, 81, 82, 83 & 85

18111 29 45934 ON TRACT



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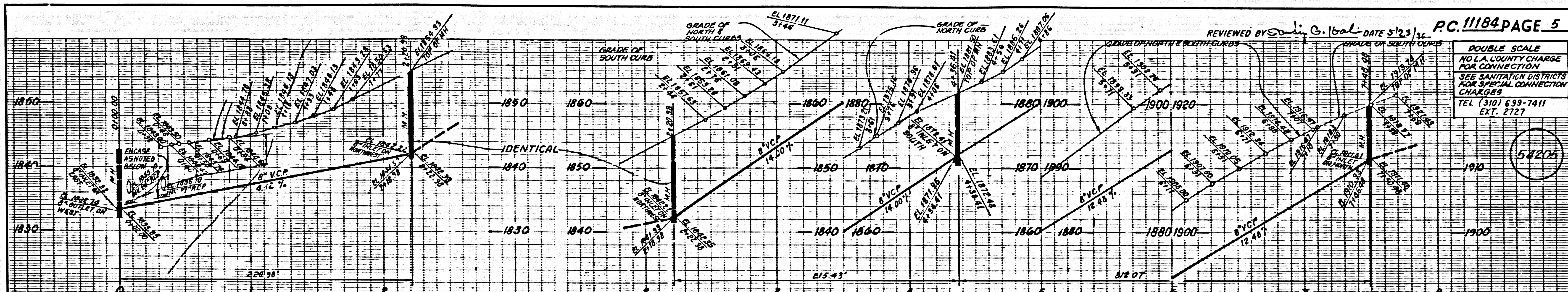
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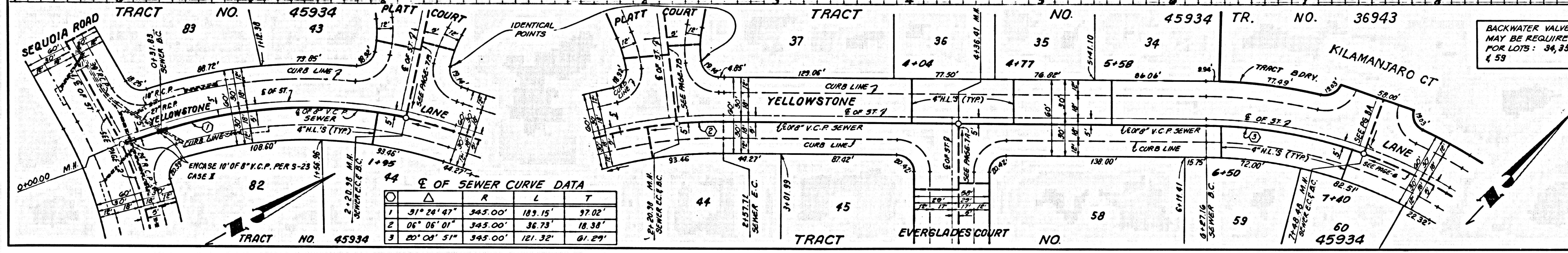
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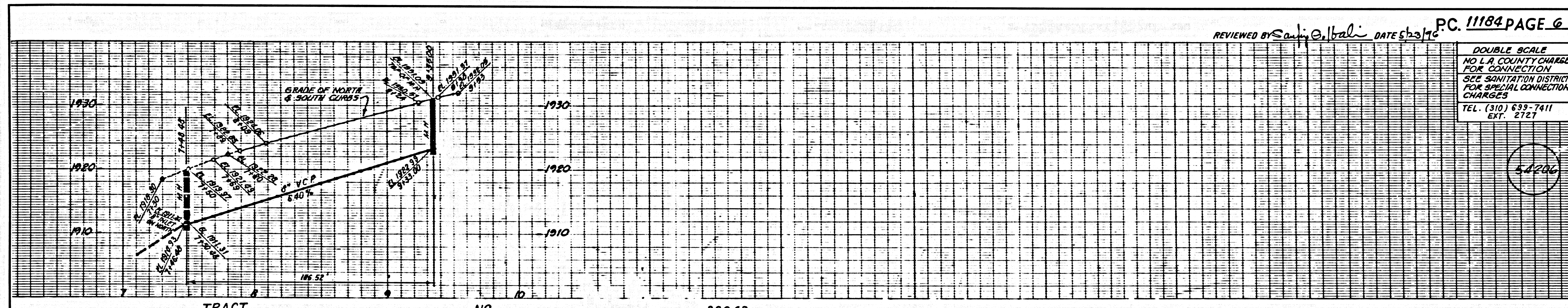


REVIEWED BY *Sally G. Iball* DATE 5/23/70 PC. 11184 PAGE 5 ME

DOUBLE SCALE
NO L.A. COUNTY CHARGE FOR CONNECTION
SEE SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL. (310) 639-7411 EXT. 2727

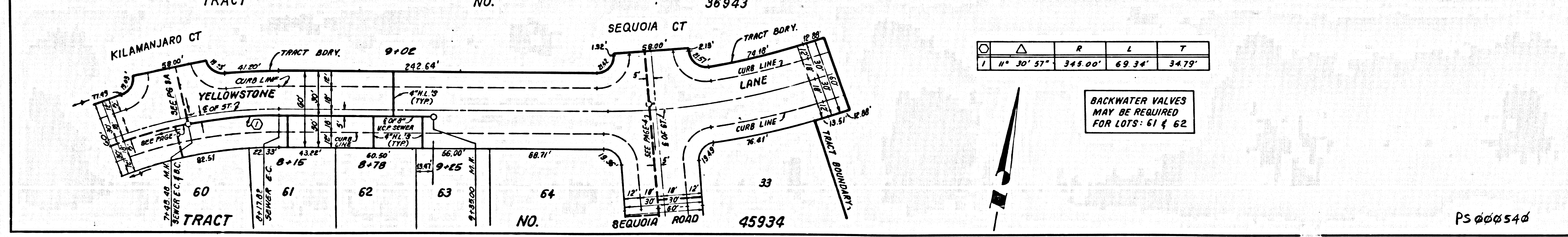


BACKWATER VALVES MAY BE REQUIRED FOR LOTS: 34, 35 & 59



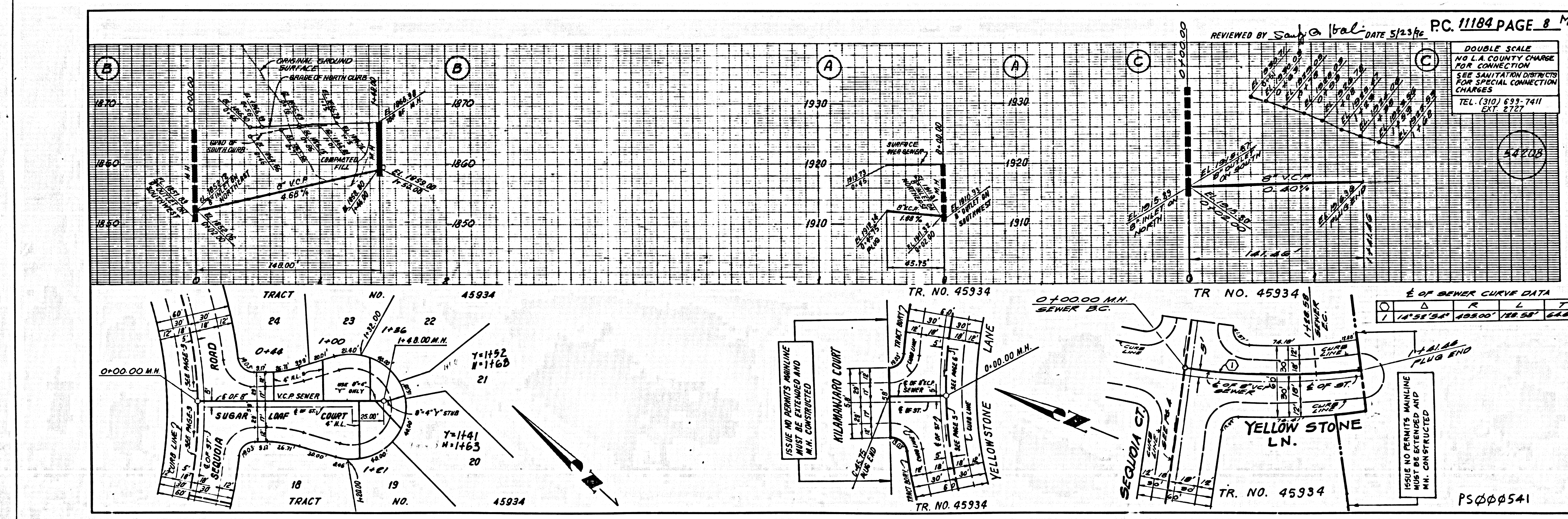
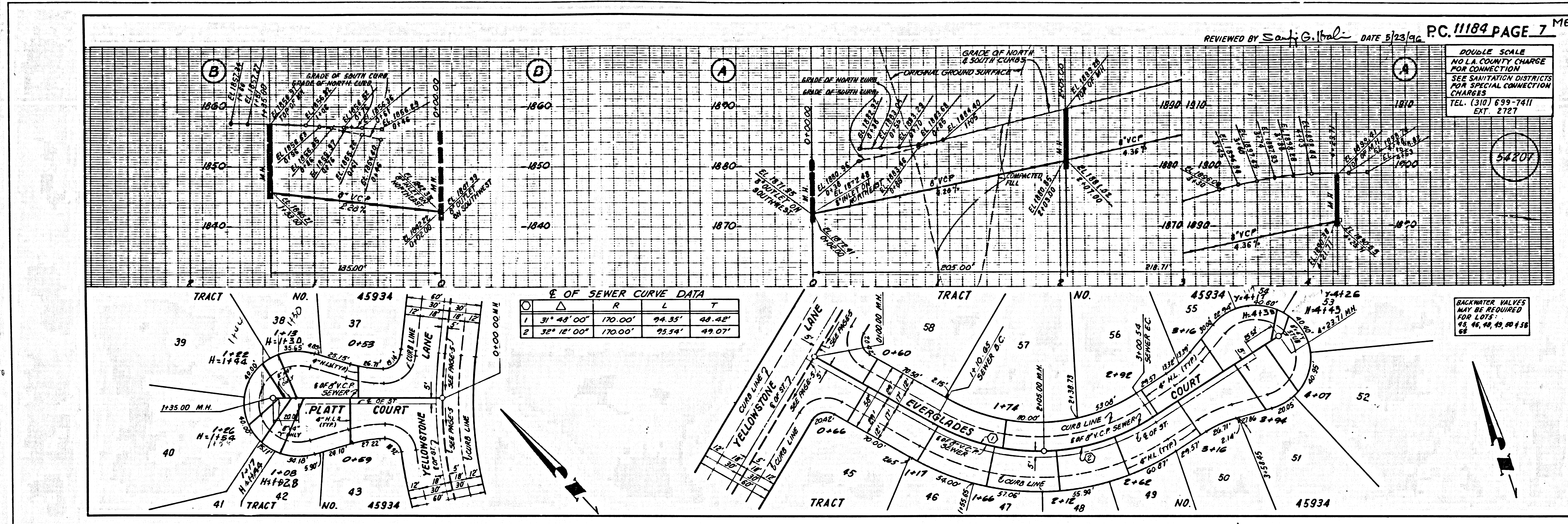
REVIEWED BY *Sally G. Iball* DATE 5/23/70 PC. 11184 PAGE 6 ME

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TEL. (310) 639-7411 EXT. 2727



BACKWATER VALVES MAY BE REQUIRED FOR LOTS: 61 & 62

③ ABILL 09 45824 ON TRACT



4811.09 45934 ON T-CART