

SANITARY SEWERS

TO BE CONSTRUCTED IN
TRACT No 45284

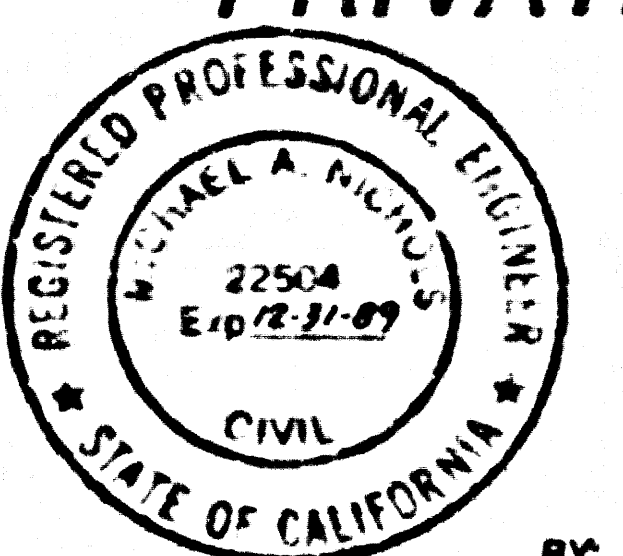
PRIVATE CONTRACT NO. 10717
INDEX A-84
2 SHEETS; 4 PAGES

SCALE: VERT. 1"=8'
HORIZ. 1"=40'

MAY 1987

PREPARED IN THE OFFICES OF
LANCO ENGINEERING
1010 CRENSHAW BLVD., SUITE 200, TORRANCE, CA 90501

BY: *MA [Signature]*
REG. CE No. 22504



- ### GENERAL NOTES:
- ELEVATIONS ARE IN FEET ABOVE U.S.C. & G.S. - SEA LEVEL DATUM OF 1929
 - NO PERSONS SHALL BE MADE IN THEIR 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
 - GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. GRADE POINTS FOR 10' CURVES CENTER LINE OF STREETS OR CENTER LINE OF ALLEYS ARE SHOWN BY CURVES ON PROFILES. ALL POINTS BETWEEN SIGMA 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 GRADY SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND 10' OR 15' BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THE PROPER LOCATIONS WITH THE NECESSARY PLUMBLINE AND 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 CURVES SHALL NOT HAVE AN ANGLE OF LESS THAN 45° WITH THE MAIN LINE SEWER. ANY CHANGE IN ALIGNMENT SHALL BE INDICATED 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 6" GRADE SHEET
 - BEFORE WORK CAN BE STARTED, THE CONTRACTOR MUST OBTAIN A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE COUNTY ENGINEER OF THE LOS ANGELES DEPARTMENT OF PUBLIC WORKS, OFFICE NO. 5, AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, 500 S. GREGORY AVE., ALHAMBRA, CA 91801, SUFFICIENT 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 ST., 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 PHASES
 - REFER TO SECTION 1-10.1 OF THE STANDARD SPECIFICATIONS, REGARDING SAFETY ORDERS
 - IN ORDER TO BE ELIGIBLE FOR THE "REQUIRE" 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 COUNTY ENGINEER OF THE DEPARTMENT OF PUBLIC WORKS, COPIES OF A PERMIT TO EXCAVATE IN COUNTY STREETS FROM THE COUNTY ENGINEER OF THE DEPARTMENT OF PUBLIC WORKS, A PERMIT FOR EXCAVATIONS AND TRENCHES FROM THE STATE OF CALIFORNIA, DIVISION OF INDUSTRIAL SAFETY AND A CERTIFICATE OF WORKERS COMPENSATION INSURANCE WITH THE DEPARTMENT OF PUBLIC WORKS, 500 S. GREGORY AVE., ALHAMBRA, CA 91801, 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 (1986 EDITION WITH 1987 SUPPLEMENT) AND COPY OF PUBLIC WORKS' SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS DATED **JULY 2, 1978** AND SHALL BE SUBMITTED ONLY IN THE PRESENCE OF THE DEPT. OF PUBLIC WORKS
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE 800-458-3175 AT LEAST TWENTY (20) DAYS BEFORE STARTING ANY WORK UNDER THIS CONTRACT
 - HOUSE LATERALS TO BE CONSTRUCTED WITH INVERTS AT PROPERTY LINE 8 FEET BELOW CURB GRADE EXCEPT AS NOTED
 - PIPE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAIN LINE SEWERS EXCEPT AS NOTED
 - ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 303 OR PRECAST CONCRETE MANHOLES PER 304, 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 TYPES IN UNIMPROVED AREAS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE
 - WITHIN CLAY PIPE JOINTS SHALL BE TYPE "10" OR "11" PER STANDARD SPECIFICATIONS SECTION 300-2
 - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 303. 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 12" PIPE WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 303. CASE II UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS
 - ALL JOINTS BETWEEN CAST IRON PIPE AND RIPPED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT, TYPE "C" OR "D" WITH GUMMING IF NECESSARY PER STANDARD SPECIFICATIONS, SECTION 300-2
 - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 300-1.4 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 PLANS
 - ALL COMPLIANCE WITH SECTION 300-1.34 OF THE STANDARD SPECIFICATIONS SHALL BE REQUIRED FOR BACKFILL IN STREETS. CERIFICATION OF BACKFILL, COMPACTION AND SAND EQUIVALENTS BY A QUALIFIED REGISTERED TESTING LABORATORY SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO THE ISSUANCE OF A CERTIFICATE OF PARTIAL ACCEPTANCE
 - SPECIAL BACKFILL IN EASEMENT CONSTRUCTION IN BACKFILL TRENCH AND REPLACE OTHER EARTH SO AS TO ACHIEVE THE NATURAL OR FINISHED GRADES AND SLOPES SHOWN ON THE GRADING PLAN. APPROVED FOR THE DEVELOPMENT BY THE LAND USE DIVISION. IF ALL BACKFILL AND EARTH REPLACED SHALL BE COMPACTED TO A MINIMUM OF 90% OR MAXIMUM DENSITY PER A.S.T.M. 99 METHOD OF TEST D953-57 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, DEPT. OF PUBLIC WORKS.

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	3-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	3-2
BRICK MANHOLE	3-3
STANDARD MANHOLE STEP	3-4
BEDDING FOR SEWER PIPE	3-5
CRADLING AND ENCASUREMENT	3-6
PIPE OR TEE SUPPORT	3-7
ALLOWABLE TRENCH WIDTHS	3-8
LOADING MANHOLE FRAMES AND COVER	3-9
NON-REINFORCED PRECAST CONCRETE MANHOLE	3-10
SPECIAL HOUSE LATERALS	3-11

COUNTY OF LOS ANGELES, CALIFORNIA

THOMAS A. TIDEMANSON
DIRECTOR OF PUBLIC WORKS

CHARLES W. CARRY
CHIEF ENGINEER
OO SAN DIST NO. 22

APPROVED: *Don Elsteth* 6-3-88 (DATE)
CHECKED: *Donald Olson* 6-2-88 (DATE)

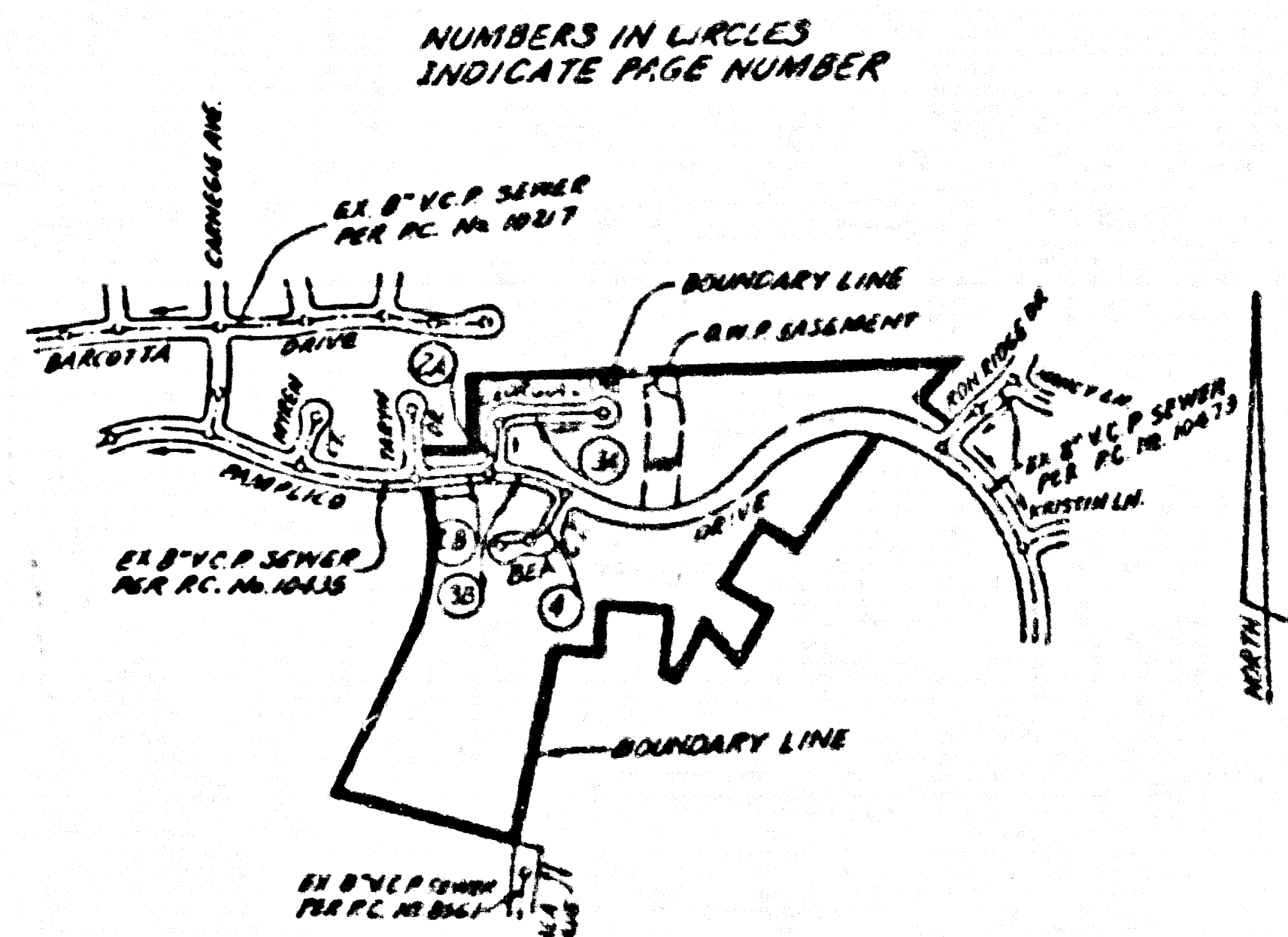
REG. CE No. 18,116

SANTA CLARITA VALLEY BLDG. DIST. 82

B.M. CL 625 ELEV. 1283.434
C.P. OF SECT. 37 COR. OF S. & S. TWICE
AD. OF SECT. 37 IN CL. RD. & PAMPICO DR.
45 FT. S. 1/8 FT. E. CL. MFD. (B.M.E.V.)

NEWHALL QUAD. 1972

DOUBLE SCALE



INDEX MAP
SCALE: 1"=400'
TRACT No. 45284
P.C. No. 10717

ISSUE NO H.L. CONNECTION PERMITS UNTIL OUTLET SEWERS P.C. 10435 & P.C. 10473 ARE ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.

LOT 1 IS SERVED BY P.C. 10435 IN TARYN DR.

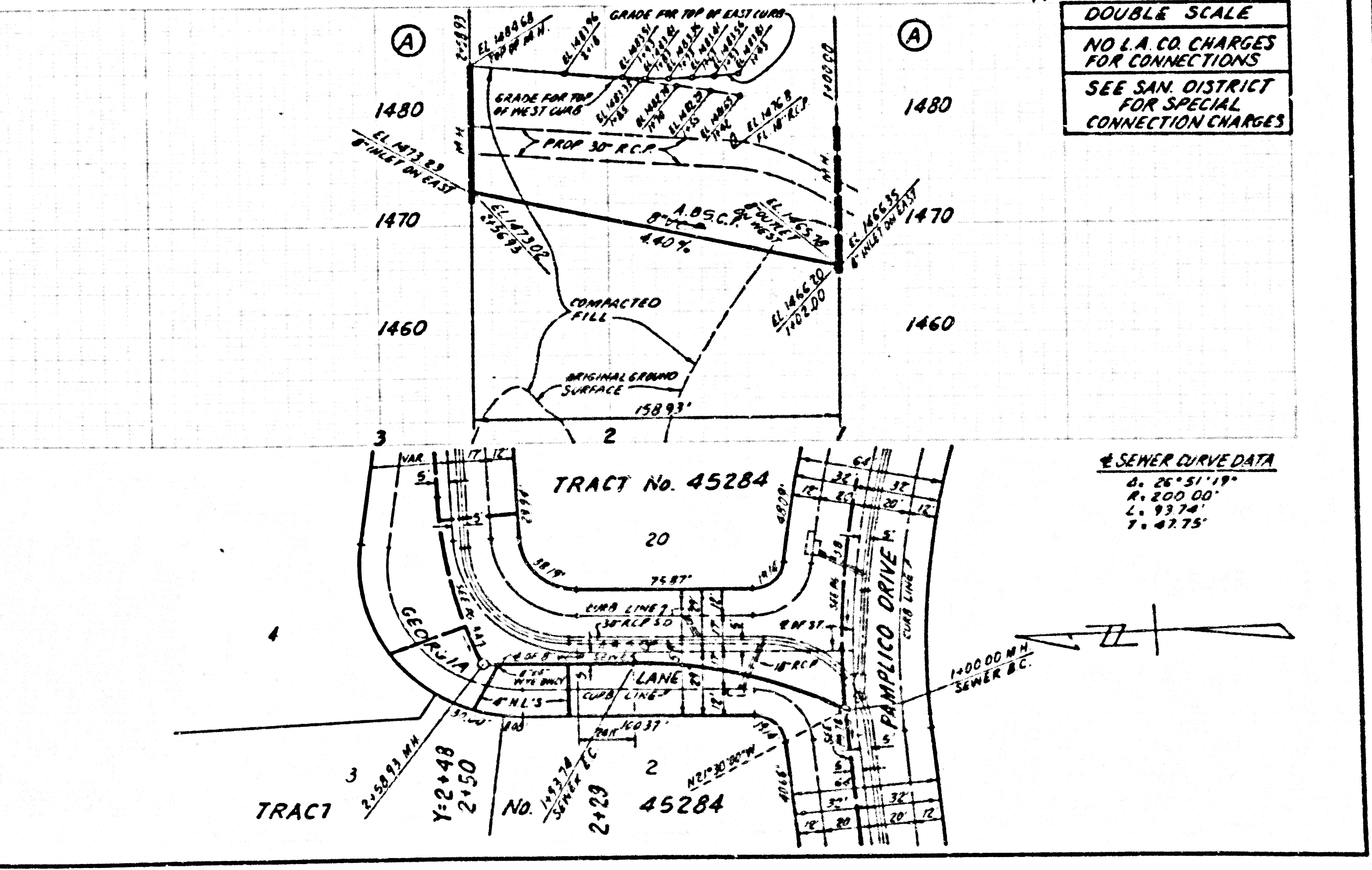
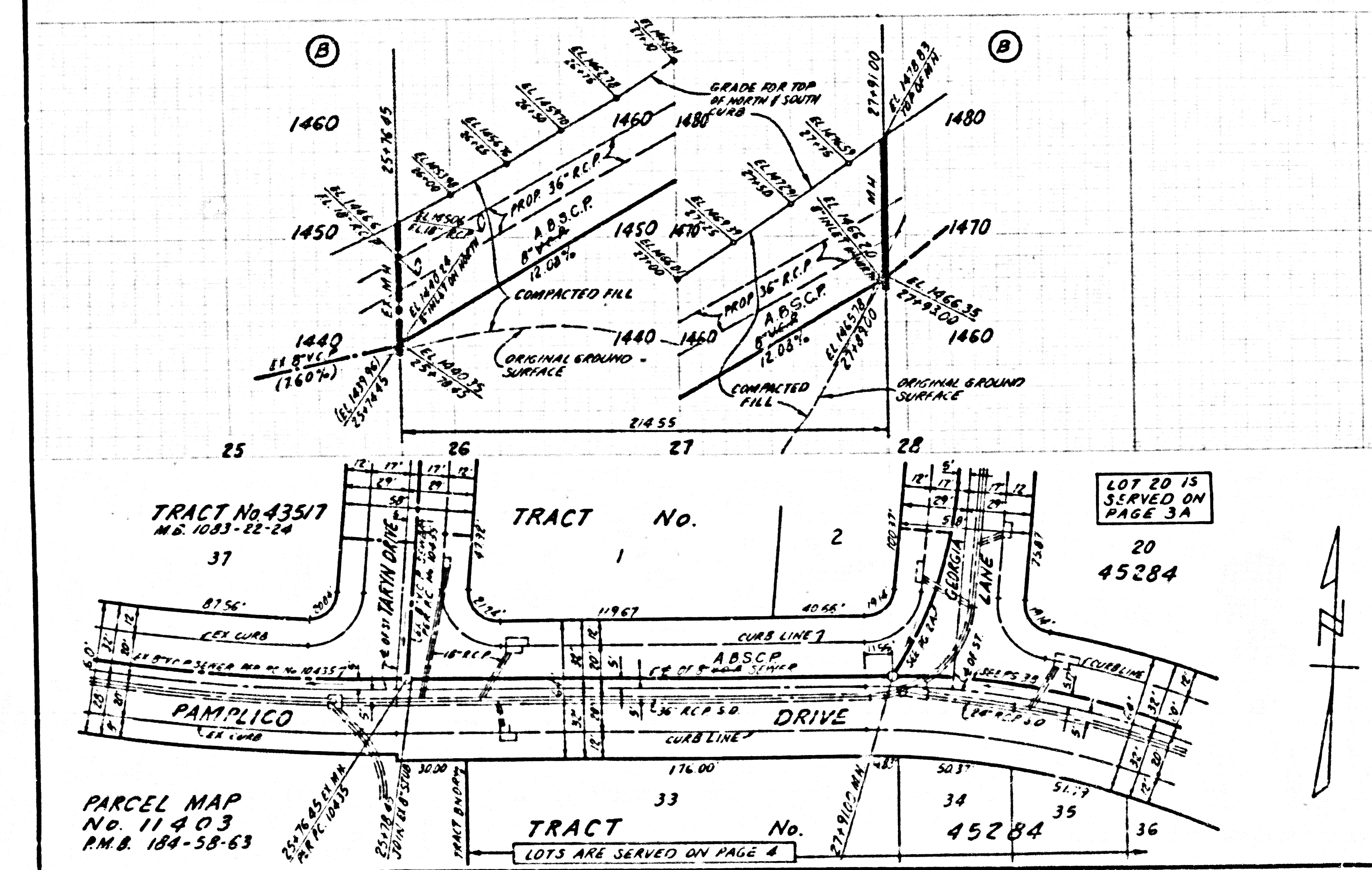
LOT 22 IS SERVED BY P.C. 10473 IN RDN RIDGE DR.

LOTS 21 AND 23 ARE RESTRICTED TO NO CONSTRUCTION AND WILL NOT BE SERVED BY THIS 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 (818) 962-8605 SO THAT REQUIRED INSPECTION CAN BE MADE.

REVIEWED BY: *Sanjiv G. [Signature]* DATE: 6/2/88

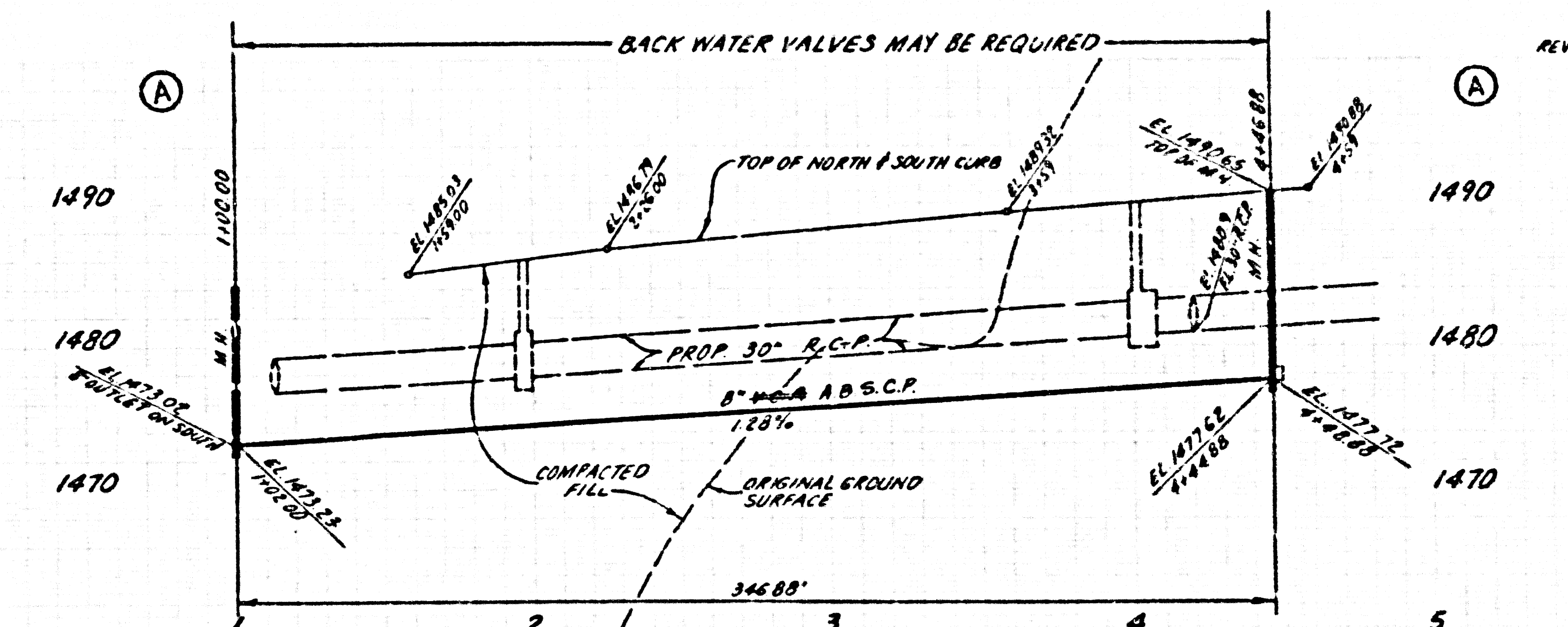
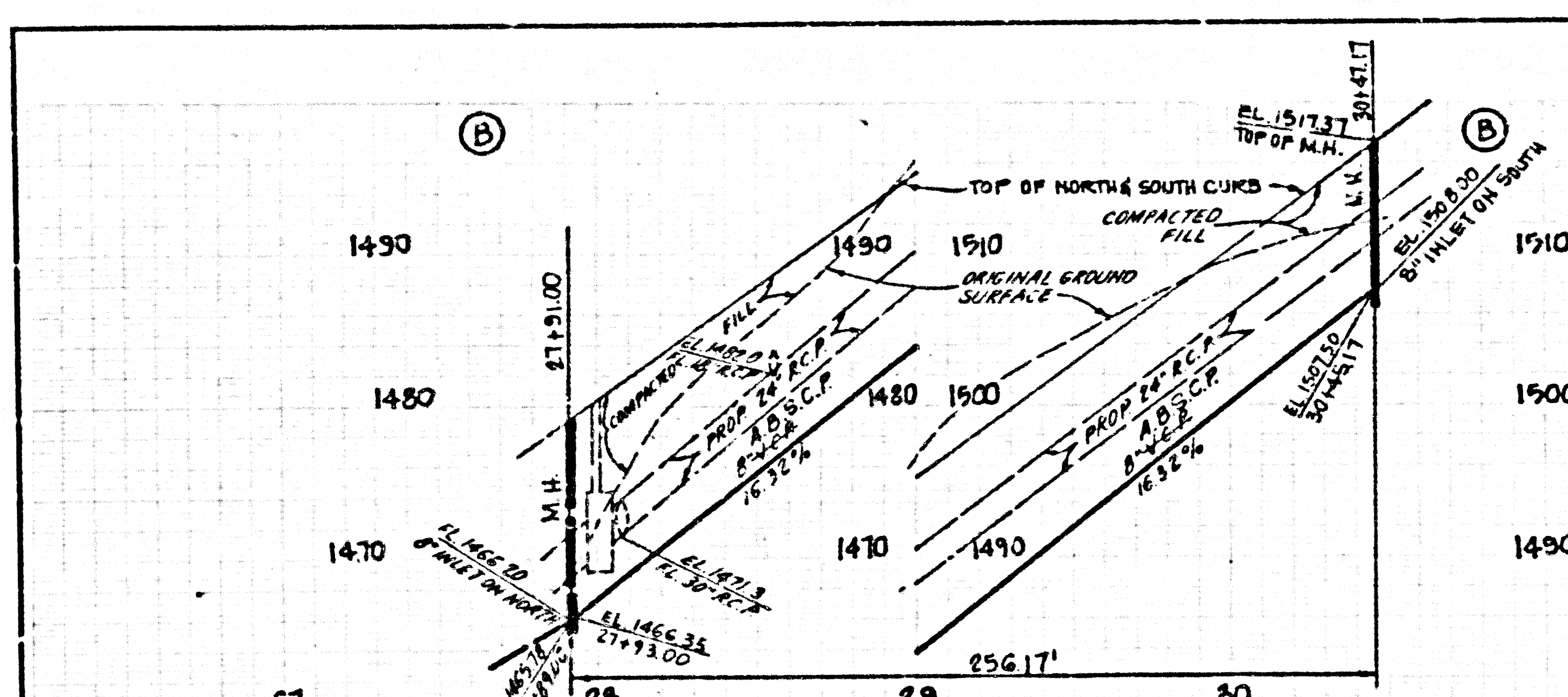


DOUBLE SCALE
NO L.A. CO. CHARGES FOR CONNECTIONS
SEE SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES

SEWER CURVE DATA

A. 25° 51' 19"
B. 200.00'
C. 93.74'
D. 47.75'

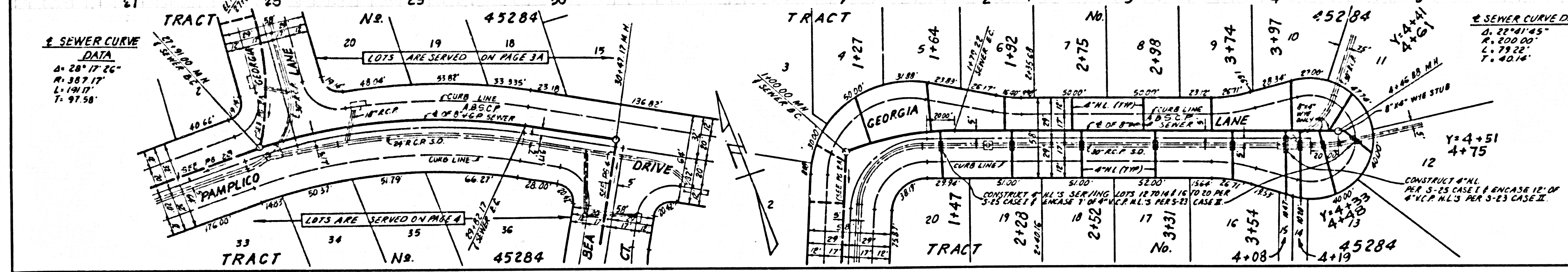
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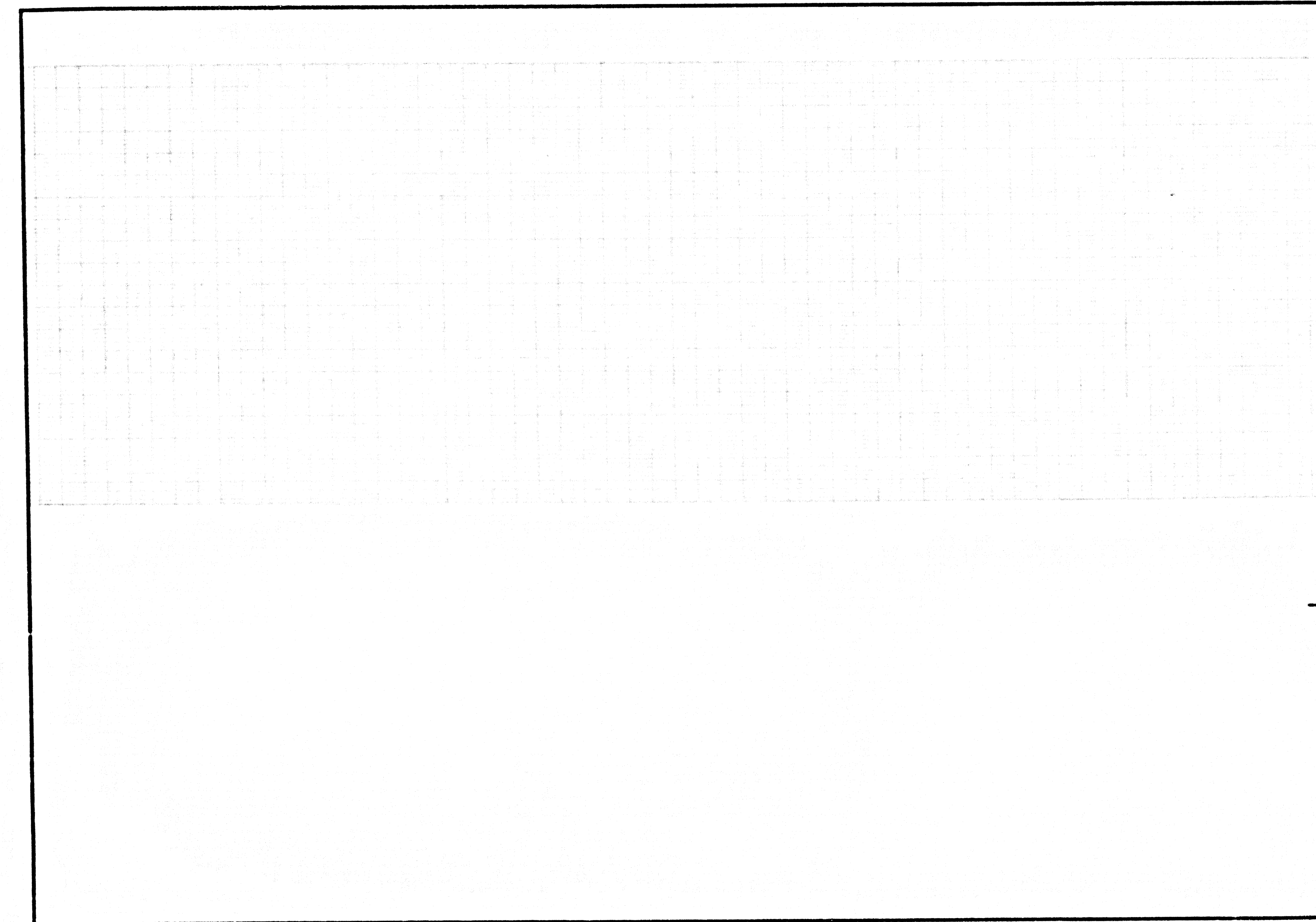
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 DATE 4/7/88
 DOUBLE SCALE
 NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE SAN DISTRICT FOR SPECIAL CONNECTION CHARGES

SEWER CURVE DATA
 $\Delta = 28^{\circ} 17' 26''$
 $R = 387.17'$
 $L = 191.17'$
 $T = 97.58'$

SEWER CURVE DATA
 $\Delta = 28^{\circ} 41' 45''$
 $R = 200.00'$
 $L = 78.22'$
 $T = 40.74'$



CONSTRUCT 4" M.L. PER S-25 CASE I & ENCASE 12" OF 4" V.C.P. M.L.'S PER S-25 CASE II.



SEWER CURVE DATA
 $\Delta = 28^{\circ} 54' 16''$
 $R = 200.00'$
 $L = 51.55'$
 $T = 100.90'$

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 DATE 4/7/88
 DOUBLE SCALE
 NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE SAN DISTRICT FOR SPECIAL CONNECTION CHARGES

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