

SANITARY SEWERS

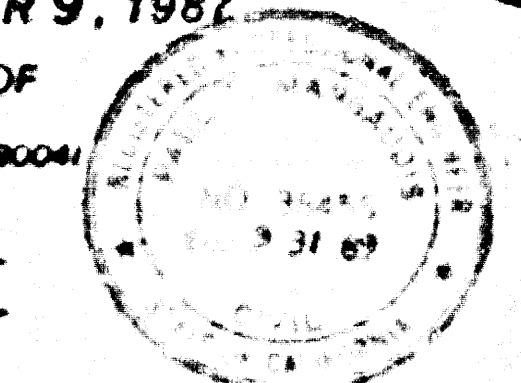
TO BE CONSTRUCTED IN

TRACT No. 45321
PRIVATE CONTRACT NO. 10814
 INDEX C-241
 2 SHEETS, 4 PAGES

SCALE: VERT. 1" = 4'
 HORIZ. 1" = 60'

DATE: DECEMBER 9, 1987

PREPARED IN THE OFFICES OF
B & E ENGINEERS
 215 WEST 11TH STREET, SUITE 300
 LOS ANGELES, CALIFORNIA 90015
 BY: Paul T. ...
 REG. C.E. No. 3885
 Exp. 3-31-89



- 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. ELEVATIONS AT ALL POINTS BETWEEN SAID GRADE POINTS 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 "Y" OR "T" BRANCHES AND SHALL PROVIDE STAKES FROM THEM AT THE EXPOSED LOCATIONS WITH STATIONING PLAINLY MARKED. ALL HOUSE LATERALS SHALL BE CONSTRUCTED TO A STRAIGHT LINE ALIGNMENT FROM THE MAIN LINE SEWER. ELEVATIONS 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 INDICATED 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 OR EARTH 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 NO. ... AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, 300 S. FAYETTE ST., LOS ANGELES, CALIFORNIA, 90012, 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 OR THE EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITIES, 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 CONES.
 - 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 OFFICE NO. ... AND PAY A FEE TO THE DIRECTOR OF PUBLIC WORKS, 300 S. FAYETTE ST., LOS ANGELES, CALIFORNIA, 90012, 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 (1986 EDITION) AND DEPT. OF PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS AND WEST CURBS.
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION DIVISION BY TELEPHONE, 480-3128, 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.
 - PIPE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
 - ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 3-2 OR PRECAST CONCRETE MANHOLES PER 3-28 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 RIGHTS OF WAY TO BE SIX INCHES ABOVE FINISHED GRADE.
 - UNIMPROVED CLAY PIPE JOISTS SHALL BE TYPE "D" OR "E" PER STANDARD SPECIFICATIONS SECTION 200-2.
 - IF A HOUSE LATERAL IS MORE THAN THREE FEET FROM THE SEWER, THE LATERAL SHALL BE ENCASED PER 3-23 CASE 4 "WOOD FOR EACH FOOT 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 MAINLINE OR HOUSE LATERAL, V.C.P. SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 3-23 CASE 4 UNLESS OTHERWISE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
 - ALL JOISTS BE TWENTY EIGHT (28) INCHES AND UNIMPROVED CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVE JOINT TYPE "C" OR "D" WITH BUSHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 200-2.
 - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 200-14 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 200-13.6 OF THE S.P.S. SPECIFICATIONS WILL BE REQUIRED FOR BACKFILL IN STREETS. VERIFICATION 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 PARTIAL ACCEPTANCE.
 - SPECIAL BACKFILL IN EASEMENT 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. ALL BACKFILL AND EARTH PLACED SHALL BE COMPACTED TO A MINIMUM OF 80% OF MAXIMUM DENSITY PER A.S.T.M. METHOD OF TEST D698-57 AS MODIFIED ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO THE CONSTRUCTION DIVISION, PUBLIC WORKS DEPARTMENT.

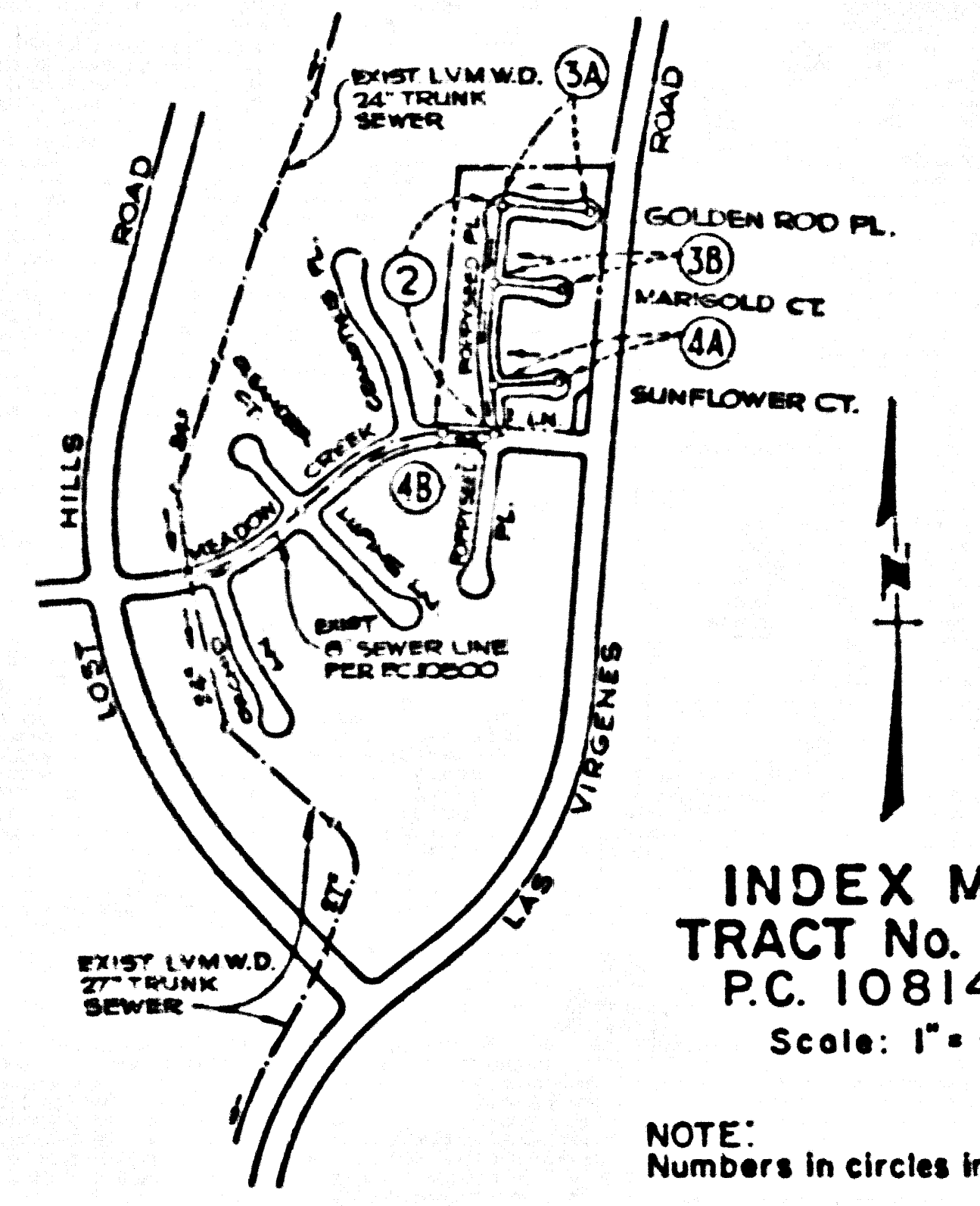
THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

LEADING	3-1
MINIMUM PUBLIC SAFETY REQUIREMENTS	3-2
BRICK MANHOLE	3-3
STANDARD MANHOLE STEP	3-17
BEADING FOR SEWER PIPE	3-21
CRACKING AND ENCASEMENT	3-23
PIPE OR TEE SUPPORT	3-28
ALLOWABLE TRENCH WIDTHS	3-29
LOCKING MANHOLE FRAME AND COVER	3-36
NON-REINFORCED PRECAST CONCRETE MANHOLE	3-38
SPECIAL HOUSE LATERAL	3-25

COUNTY OF LOS ANGELES, CALIFORNIA
 THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS
 LAS VIRGENES MUNICIPAL WATER DISTRICT

APPROVED: [Signature] 12/21/87
 APPROVED: [Signature] 12-11-87
 REVIEWED: [Signature] 12-11-87
 CALABASAS BLDG. DIST. 9-1

B.M. CY 7588 ELEV. 711.886
 ST. HWY B.M. MON. IN ROCK CULV. No. 298, 23 FT
 E/O C/L LAS VIRGENES RD. 0.4 MI. S/O ARTHUR
 E. WRIGHT SCHOOL 1.2 MI. S/O AGOURA
 MALIBU QUAD. 1980



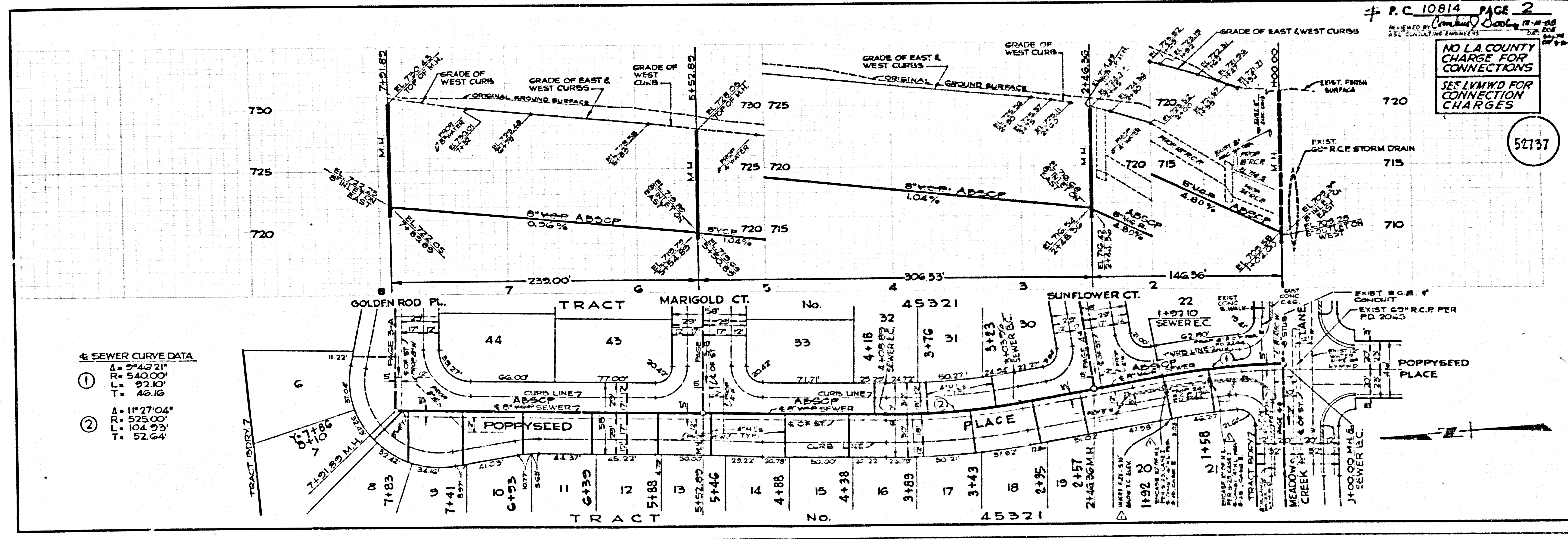
INDEX MAP
 TRACT No. 45321
 P.C. 10814
 Scale: 1" = 600'

REVISION No. 1 DATE: 3-10-89
 BY: B & E ENGINEERS
 REVISE ENCASUREMENT AND CONSTRUCTION NOTES FOR N.L. PER LOTS 30 & 21.
 DATE: 6-18-89
 APPROVED: OFFICE OF DIST. OF P.W. DATE: 6-18-89

NOTE:
 Numbers in circles indicate page numbers.

LOT 49 IS AN EASEMENT FOR MAINTENANCE PURPOSES RESTRICTED TO NO CONSTRUCTION AND WILL NOT BE SERVED BY THIS SEWER.

NOTE:
 ISSUE NO CONNECTION PERMITS UNTIL OUTLET SEWER P.C. 10500 IS ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.



SEWER CURVE DATA

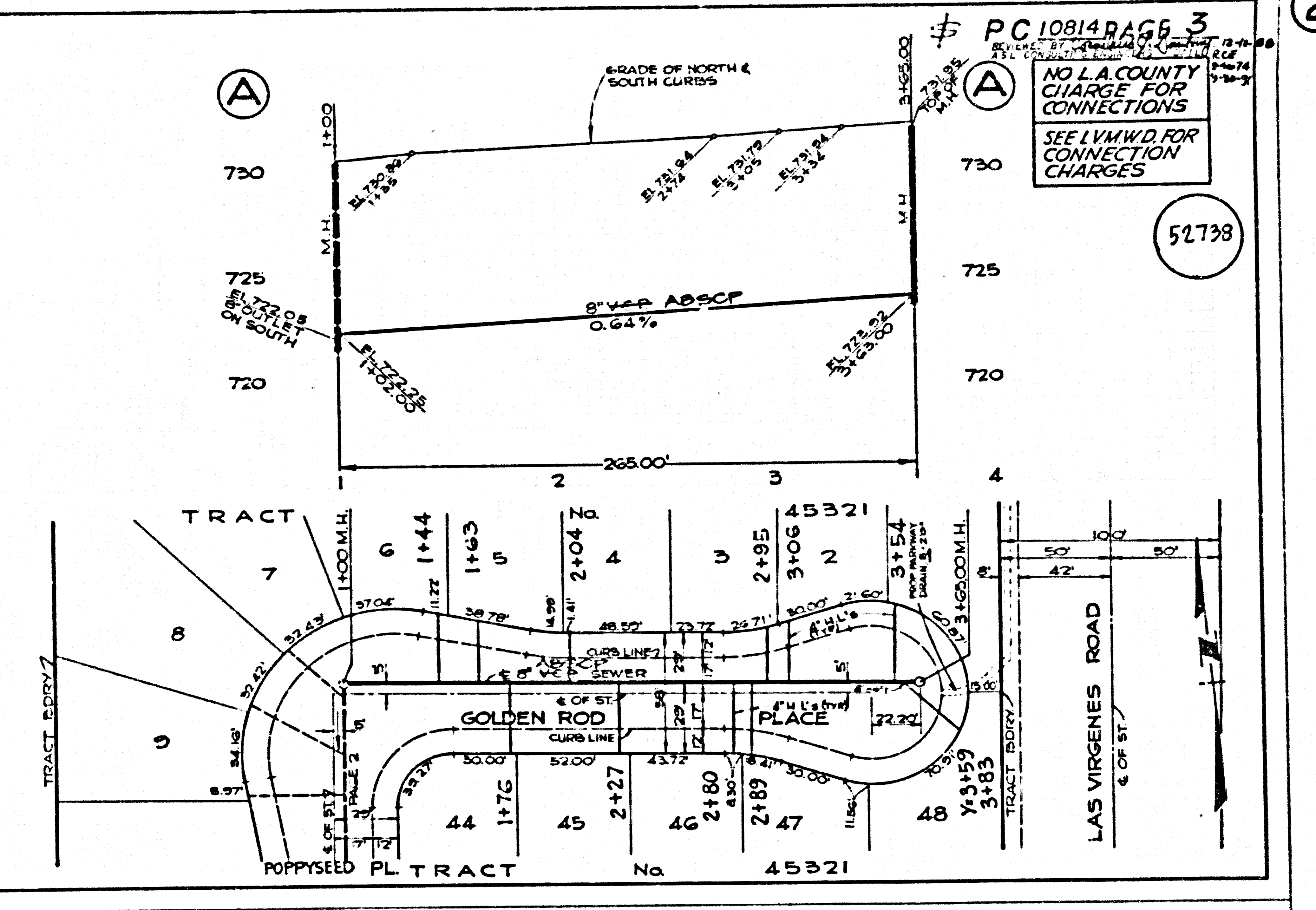
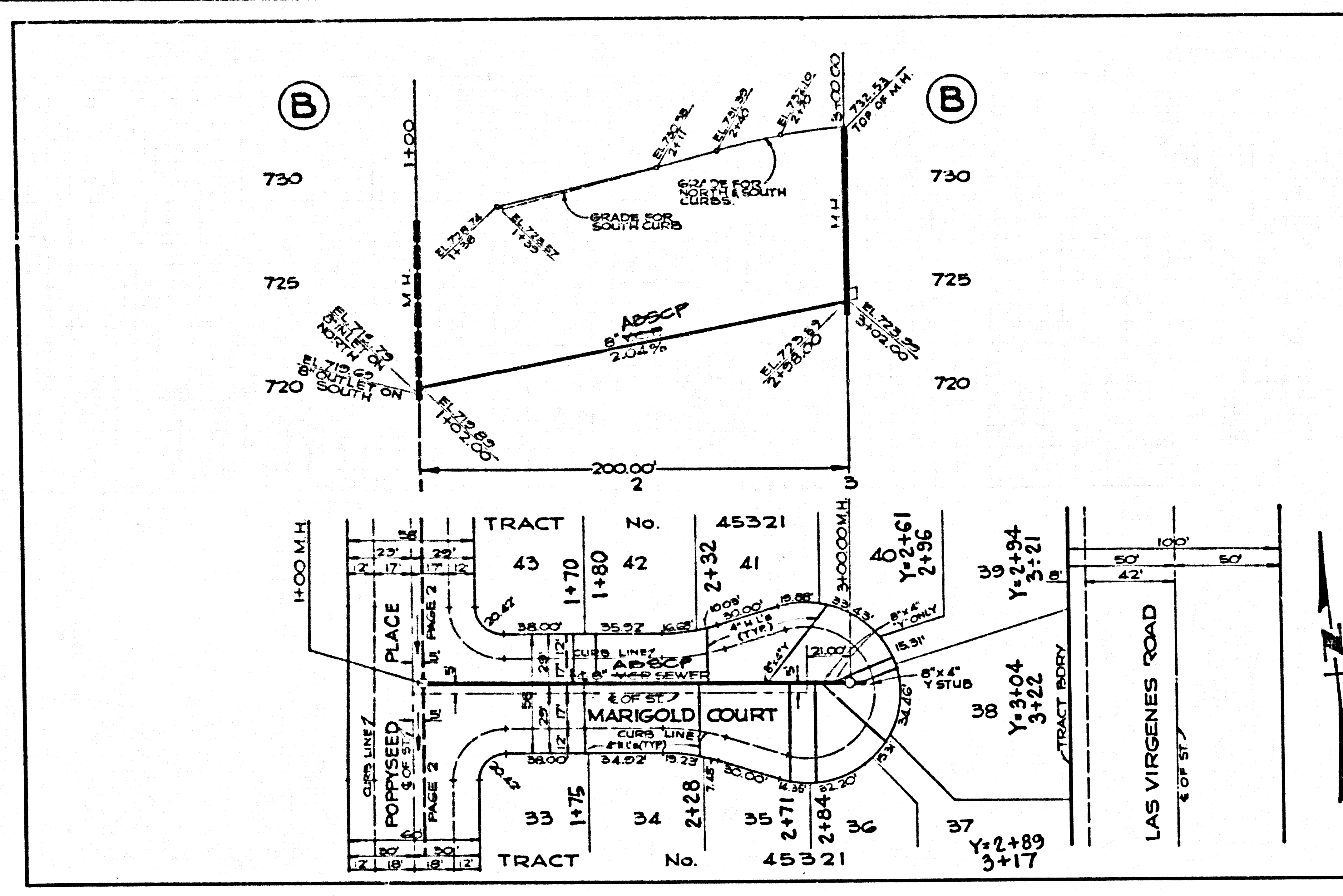
①
 Δ = 5°49'21"
 R = 540.00'
 L = 92.10'
 T = 46.16'

②
 Δ = 11°27'04"
 R = 525.00'
 L = 104.93'
 T = 52.64'

P.C. 10814 PAGE 2
 REVIEWED BY: [Signature] 12-11-87
 A.S.T. CONSULTING ENGINEERS

NO L.A. COUNTY CHARGE FOR CONNECTIONS
 SEE LVMWD FOR CONNECTION CHARGES

52737



41801 29

15354 001 1501T

