

SANITARY SEWERS
TO BE CONSTRUCTED IN
TRACT NO. 41177

PRIVATE CONTRACT NO. 10419
C - 221, C3
2 SHEETS, 3 PAGES

SCALE: VERT. 1" = 4'
HORIZ. 1" = 40' OCT. 10, 1985

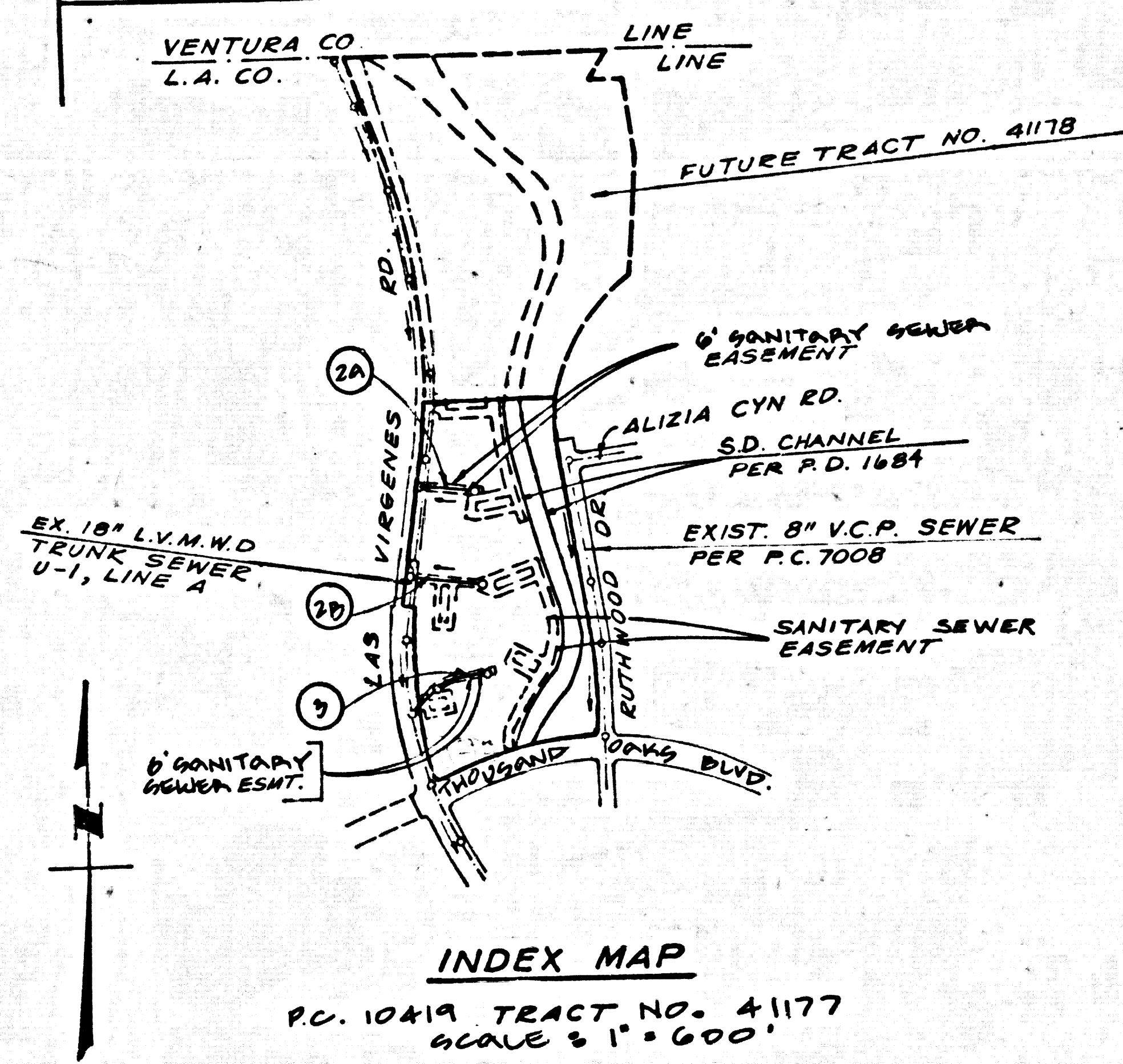
PREPARED IN THE OFFICES OF
CARL CHAPMAN & ASSOCIATES
2346 COTNEY AVE., LOS ANGELES, CA 90064
BY: *[Signature]*
REG. C.E. NO. 23777

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	60	APWA
MINIMUM PUBLIC SAFETY REQUIREMENTS	81	
BRICK MANHOLE	82	
STANDARD MANHOLE TYP	87	205-0
BEDDING FOR SEWER PIPE	87	
CRACKING AND FINISHMENT	87	
WYE OR TEE SUPPORT	87	
ALLOWABLE TRENCH WIDTHS	87	
LOCKING MANHOLE FRAME AND COVER	87	
NON-REINFORCED PRECAST CONCRETE MANHOLE	87	200-0

COUNTY OF LOS ANGELES, CALIFORNIA
THOMAS A. TIDEMANSON, DIRECTOR OF PUBLIC WORKS
LAS VIRGENES MUNICIPAL WATER DISTRICT
APPROVED *[Signature]* DATE 10/10/85
APPROVED *[Signature]* DATE 10/10/85
CHECKED *[Signature]* DATE 10/10/85
REG. C.E. NO. 16841
CARABOAS BLDG. DIST. 9.1

B.M. CY 9047 ELEV. 792.632
ROBM TAG IN CB 3 FT N BCR 62 FT
N 6 42 FT E CIL INT LAS
VIRGENES CYN RD & QUINTANA ST.
MALIBU QUAD. 1980



NOTE:
NUMBERS IN CIRCLES
INDICATE PAGE NUMBERS

- CONSTRUCTION NOTES CONT.:**
- WYE BRANCHES ONLY MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS IF A.B.S.C.P. IS USED.
 - ALL JOINTS BETWEEN CAST IRON PIPE & A.B.S.C.P. SHALL BE MADE WITH APPROVED FITTINGS.
 - FULL COMPLIANCE WITH PART II OF THE SPECIAL PROVISIONS IS REQUIRED FOR THE INSTALLATION OF A.B.S. COMPOSITE PIPE.
 - MANHOLE WATER STOP GASKETS AND CLAMPS ARE REQUIRED FOR THE CONNECTION OF A.B.S. COMPOSITE PIPE TO MANHOLE STRUCTURES.
 - A.B.S. SOLID WALL PIPE MUST BE USED FOR WYE AND HOUSE LATERAL CONNECTIONS TO A.B.S. COMPOSITE MAIN LINE SEWER PIPE.
 - A.B.S. COMPOSITE PIPE SHALL BE BEDDED IN CONFORMANCE WITH THE TABLE IN SECTION 5-3.1 OF PART II OF THE SPECIAL PROVISIONS.
 - 3 DEGREE DEFLECTION COUPLERS SHALL BE USED TO ACCOMPLISH RADIUS OF CURVATURE LESS THAN 380'.

REVISION NO. 2 DATE: 7/18/86

PAGE	DESCRIPTION
2A	RELOCATED M.H.'S
2B	RELOCATED M.H.'S, ADDED ONE, RELOCATED M.H. FROM STA. 3+76.00 TO STA. 3+36.00 (SHORTENED SEWER LINE BY 40')
3	RELOCATED M.H. FROM STA. 2+74.00 TO STA. 2+10.00

APPROVED *[Signature]*
DEPT. OF PUBLIC WORKS

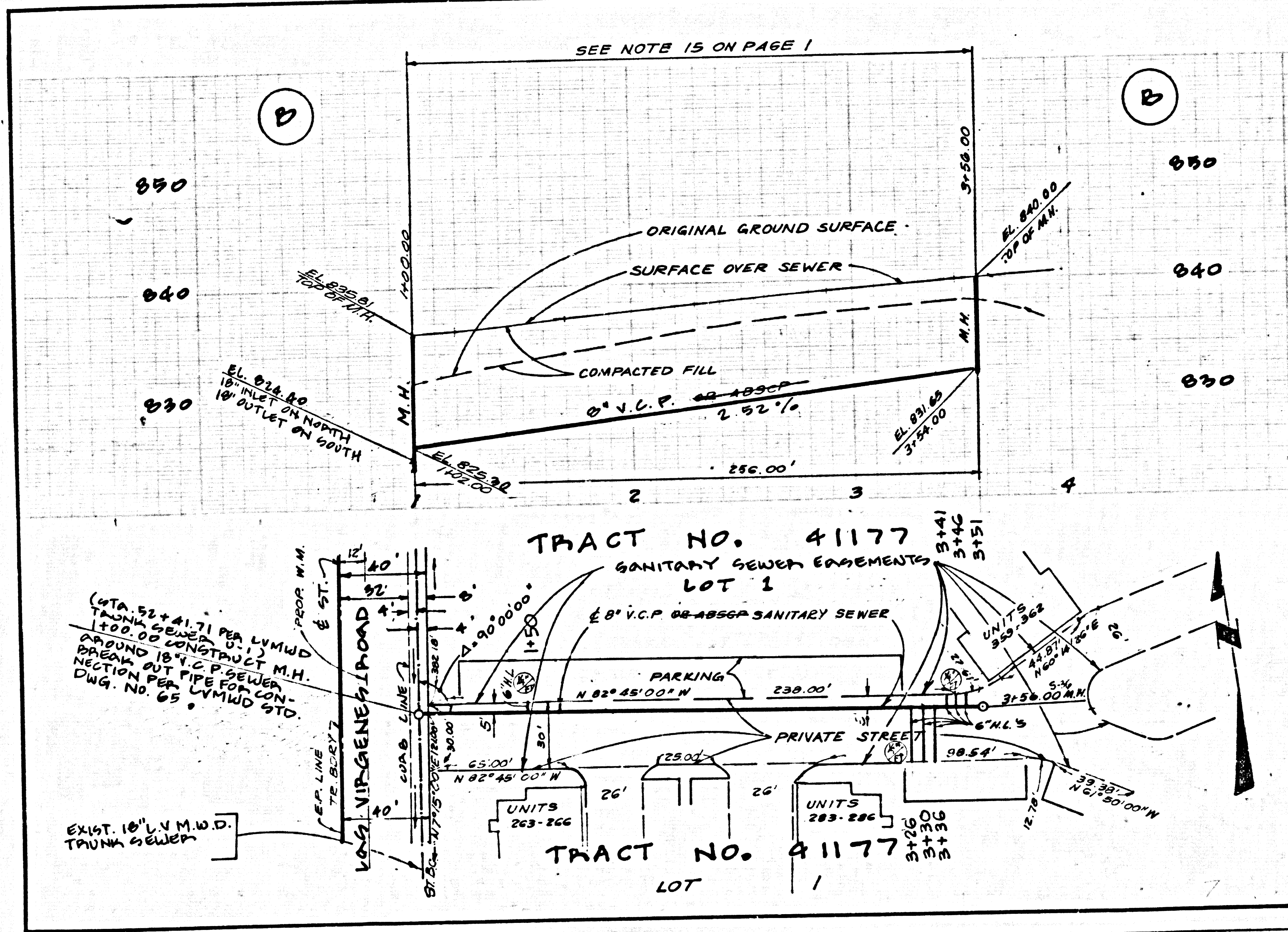
REVISION NO. 1 DATE: 4/11/86

PAGE	DESCRIPTION
2	REVISED SEWER PROFILE (A) REVISED SIZE & LOCATION OF M.H.'S (A) & (B) ADD 2" V.C.P. & 8" V.C.P. STUBS (A) & (B)
3	REVISED FS. OVER SEWER, SIZE & LOCATION OF M.H.'S, & R/W @ LAS VIRGENES RD @ 4" V.C.P.

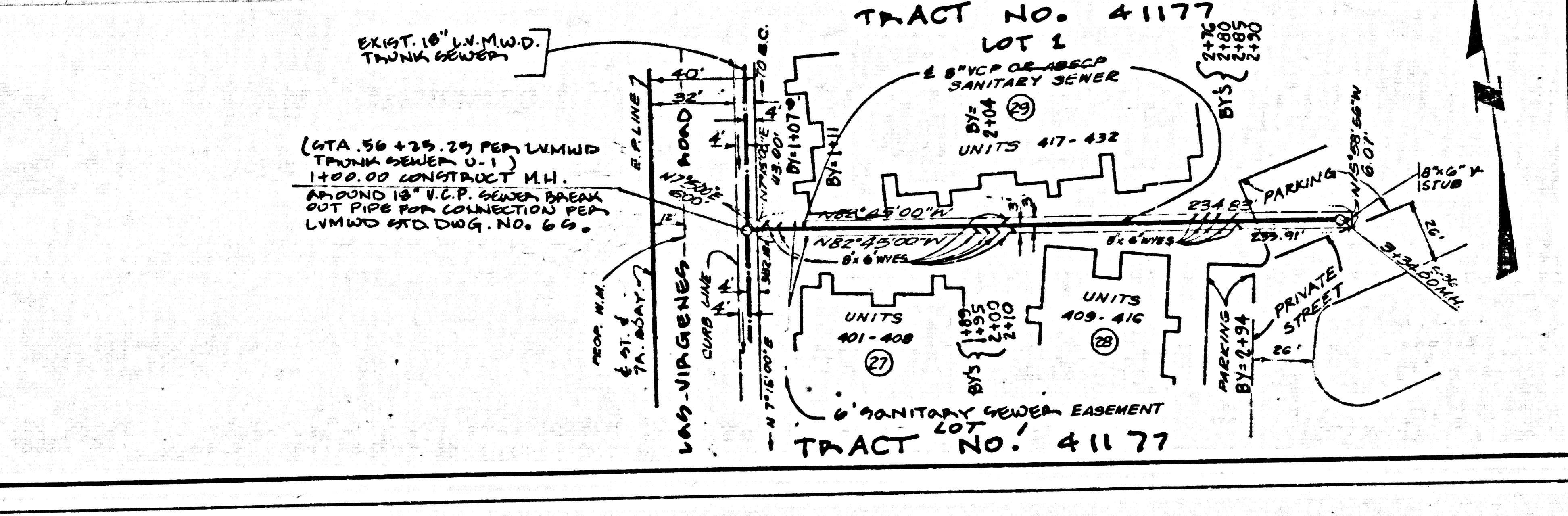
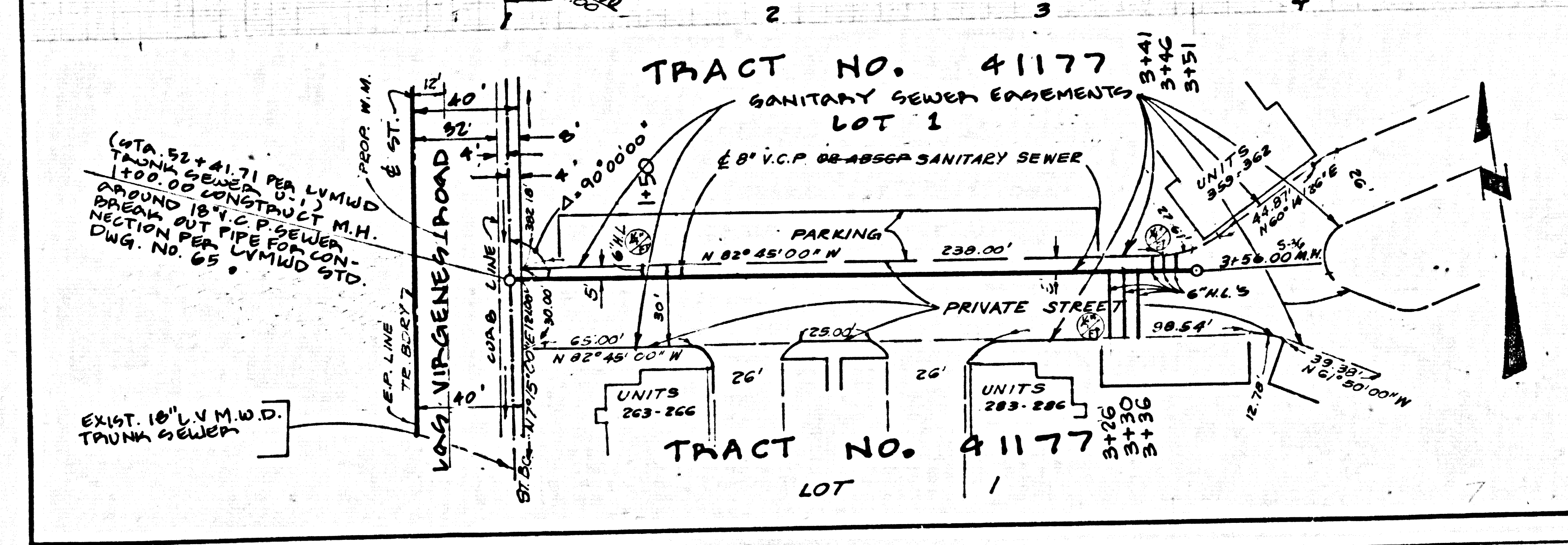
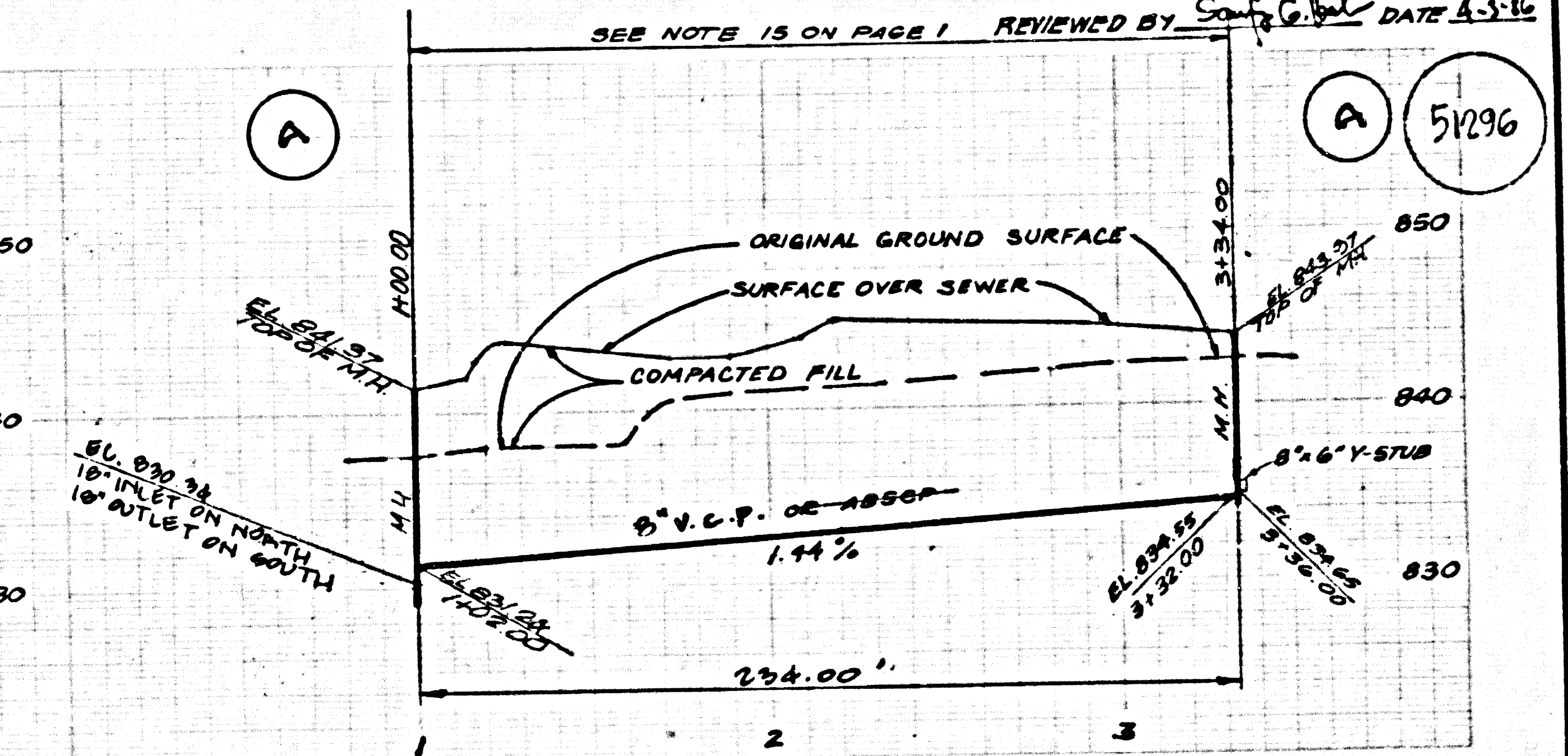
APPROVED *[Signature]* R.C.E. # 16841
DEPT. OF PUBLIC WORKS

- 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 DEPARTMENT OF PUBLIC WORKS.
 - NO REPRESENTATIVE OF THE DEPARTMENT OF PUBLIC WORKS WILL SUPERVISE OR LAY OUT ANY PORTION OF THE WORK.
 - GRADES TO WHICH THIS IMPROVEMENT IS TO BE CONSTRUCTED ARE SHOWN ON PLANS AND PROFILES. ONCE FROM THE TOP OF CURVE CENTER LINE OF STREET TO CENTER LINE OF ALL LINES SHOWN BY CURVE BEGINNING AT ALL 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 GRADE SHEETS AND STATIONING FOR ALL HOUSE LATERALS AND "C" OR "D" BRANCHES AND SHALL PROVIDE STAKES FOR THEM AT THEIR PROPER LOCATIONS WITH STATIONING PLAINLY 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 REQUESTED IN WRITING BY THE PRIVATE ENGINEER.
 - THE PRIVATE ENGINEER SHALL FURNISH THE HOUSE LATERAL DEPTH AT THE PROPERTY LINE BELOW THE TOP OF CURVE 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 L.A. COUNTY ROAD DEPT. DISTRICT OFFICE NO. _____ AND PAY A FEE TO THE DEPARTMENT OF PUBLIC WORKS 540 S. VERMONT AVENUE, LOS ANGELES, CA 90005 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 7.16.4.1 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 LOS ANGELES COUNTY ROAD DEPARTMENT, 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, 540 SOUTH VERMONT, LOS ANGELES, CALIFORNIA 90005, MARKED 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) WITH "AND COUNTY" PUBLIC WORKS SPECIAL PROVISIONS FOR THE CONSTRUCTION OF SANITARY SEWERS OF 18" OR GREATER, 21, 157/B AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE DEPARTMENT OF PUBLIC WORKS.
 - THE CONTRACTOR SHALL NOTIFY THE SANITARY DIVISION (519) 316-8291 AT LEAST TWENTY-FOUR HOURS BEFORE STARTING ANY WORK UNDER THIS CONTRACT.
 - HOUSE LATERALS TO BE CONSTRUCTED WITH 1/2" RISE PER FOOT TO 4" IN LINE EXCEPT AS NOTED.
 - WYE OR TEE BRANCHES MAY BE USED FOR CONNECTIONS TO MAINLINE SEWERS EXCEPT AS NOTED.
 - ALL STRUCTURES SHALL BE EITHER BRICK MANHOLES PER 9-3 OR PRECAST CONCRETE MANHOLES PER 9-36, 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.
 - WTFM CLAY PIPE JOINTS SHALL BE TYPE "C" OR "D" PER STANDARD SPECIFICATIONS SECTION 208-2.
 - IF A POWER POLE IS WITHIN THREE FEET OF THE SEWER, THE SEWER SHALL BE ENCASED PER 9-23, 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 SEWER WHICH IS NOT INDICATED ON THE PLANS, THE PIPE SHALL BE ENCASED PER 9-23, CASE II UNLESS OTHERWISE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS.
 - ALL JOINTS BETWEEN CAST IRON PIPE AND WTFM CLAY PIPE SHALL BE MADE WITH A RUBBER SLEEVING JOINT, TYPE "C" OR "D" WITH WASHING IF NECESSARY PER STANDARD SPECIFICATIONS SECTION 208-2.
 - SEWERS TO BE TESTED FOR LEAKAGE PER SECTION 208-1.4 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
 - SEE "PLACE ALL TRENCHES WITHIN PAVED AREAS TO MEET L.A. COUNTY ROAD DEPT. OR CALIFORNIA STATE HIGHWAY REQUIREMENTS IN ACCORDANCE WITH PERMITS."
 - FULL COMPLIANCE WITH SECTION 208-1.3.3 OF THE SPECIAL PROVISIONS 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 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 BUILDING AND SAFETY DIVISION. IN ALL BACKFILL AND EARTH REPLACES SHALL BE COMPACTED TO A MINIMUM OF 80% OF MAXIMUM DENSITY PER A 3" X 3" METHOD OF TEST D98577 AS MODIFIED. ACCEPTABLE CERTIFICATION OF SUCH COMPACTION SHALL BE SUBMITTED TO CONSTRUCTION DIVISION.



NO L.A. CO. CHARGE FOR CONNECTIONS
SEE LVMWD FOR CONNECTION CHARGES
DOUBLE SCALE



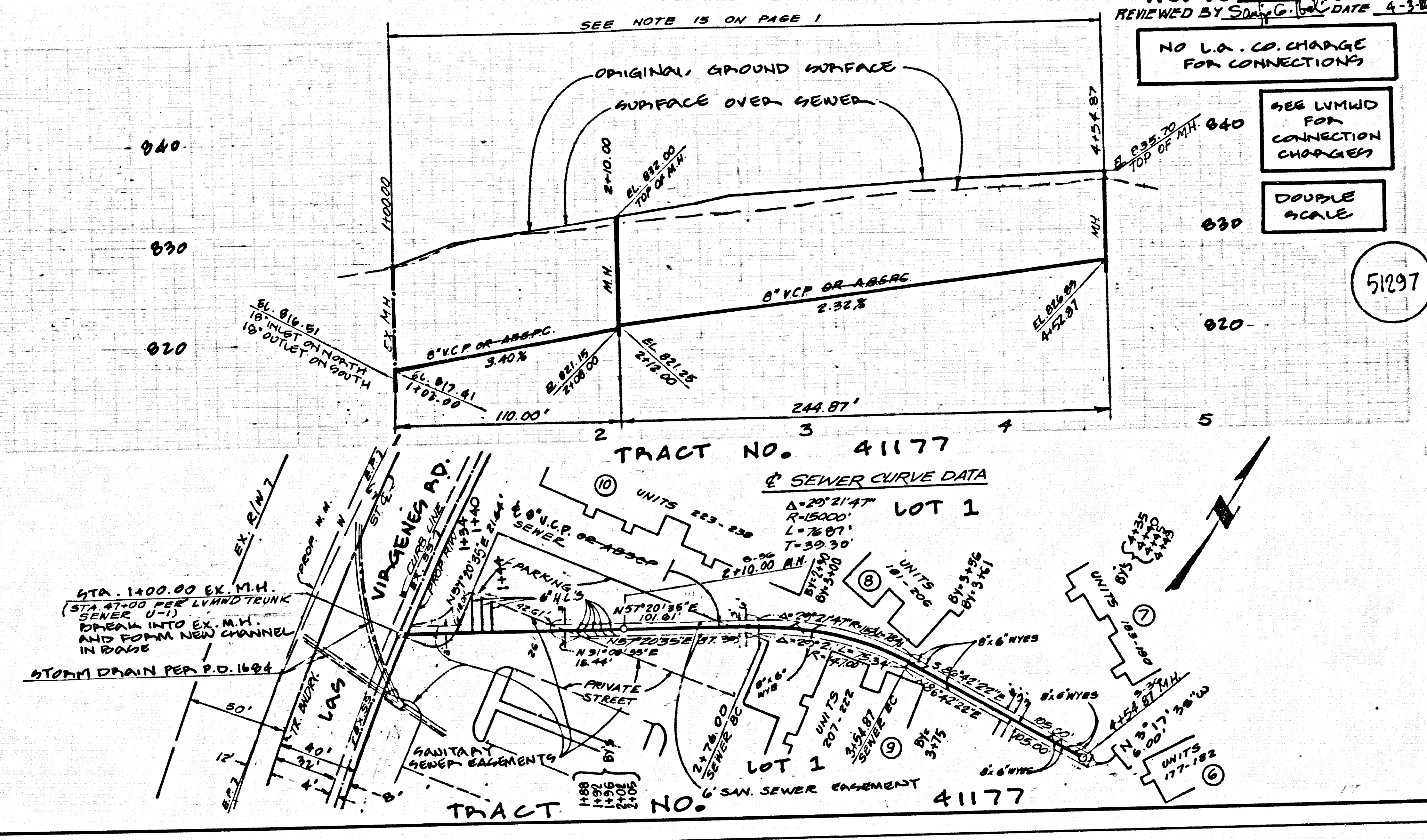
JOB NO. 85-011

NO L.A. CO. CHARGE FOR CONNECTIONS

SEE LHMWD FOR CONNECTION CHARGES

DOUBLE SCALE

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