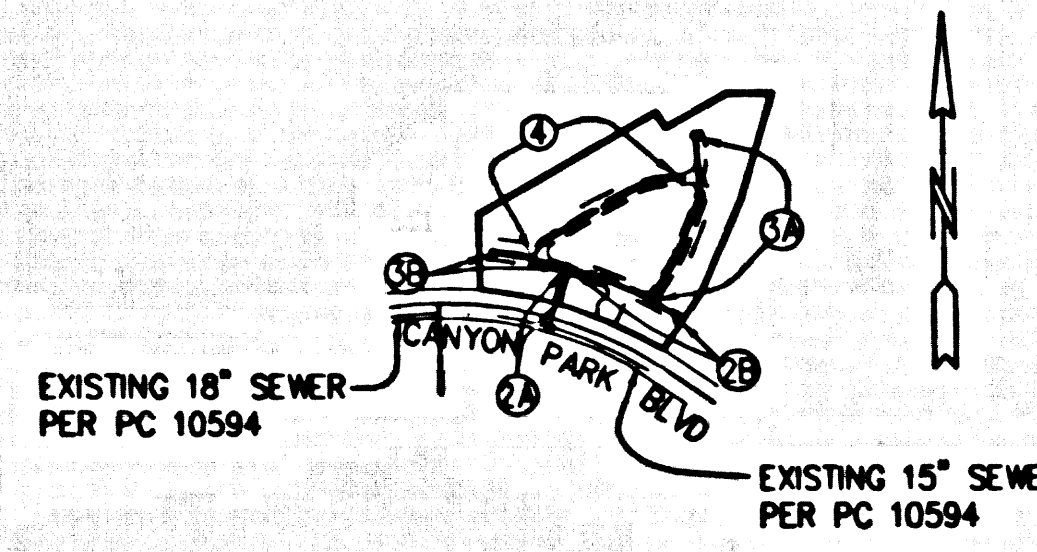


BENCH MARKS
 BM L-939 Elev. 1430.119
 PERM TAG E CB NE COR BR-33-423 (W BARREL)
 OVER SANTA CLARA RIVER 18 FT E/O C/L SIERRA HWY &
 0.3 MI S/O SOLEDAD CYN RD
 NEWHALL QUAD 1993



NOTE: NUMBERS IN CIRCLE INDICATE
 PAGE NUMBER.
 ALL MARKS SEWERS ARE IN SANITARY
 SEWER EASEMENT.

INDEX MAP 1417

SCALE: 1"=600'
 TRACT NO. 52608 P.C. 11581
 THOMAS GUIDE PAGE: 4551/A-4

NO.	REVISION	REVISED BY	APPROVED BY	DATE

STORMWATER POLLUTION CONTROL REQUIREMENTS FOR SEWER CONSTRUCTION

- Eroded sediments and other pollutants must be retained on site and may not be transported from the site via sheet flow, erosion, area drains, natural drainage courses, or wind.
- Slopesides of earth and other construction related materials must be protected from being transported from the site by the force of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their labeling and are not to contaminate the soil and surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and disposed of in a proper manner. Spills may not be washed into the drainage system.
- Excess or waste concrete may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Trash and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersed by wind.
- Sediments and other materials may not be tracked from the site by vehicle traffic. The construction entrance roadways must be stabilized so as to inhibit sediments from being deposited into the public way. Accidental depositions must be swept up immediately and may not be washed down by rain or other means.
- Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.

- | | |
|---|--|
| CA001 - DEMATERING OPERATIONS | ES210 - SEEDING AND PLANTING |
| CA002 - PAVING OPERATIONS | ES211 - MULCHING |
| CA003 - STRUCTURE CONSTRUCTION AND PAINTING | ES220 - GEOTEXTILES AND MATS |
| CA010 - MATERIAL DELIVERY AND STORAGE | ES221 - DUST CONTROLS |
| CA020 - SOLID WASTE MANAGEMENT | ES222 - TEMPORARY STREAM CROSSING |
| CA021 - HAZARDOUS WASTE MANAGEMENT | ES223 - CONSTRUCTION ROAD STABILIZATION |
| CA023 - CONCRETE WASTE MANAGEMENT | ES224 - STABILIZED CONSTRUCTION ENTRANCE |
| CA024 - SANITARY/SEPTIC WASTE MANAGEMENT | ES225 - STORM DRAIN INLET PROTECTION |
| CA030 - VEHICLE AND EQUIPMENT CLEANING | |
| CA031 - VEHICLE AND EQUIPMENT FUELING | |
| CA032 - VEHICLE AND EQUIPMENT MAINTENANCE | |
| ES001 - SCHEDULING | |
| ES002 - PRESERVATION OF EXISTING VEGETATION | |

STANDARD PLANS
 THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE FOLLOWING DEPARTMENT SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT.
 LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS

LE200 -	3000-0
MINIMUM PUBLIC SAFETY	8028-0
BRICK MANSION	9003-0
STANDARD MANHOLE STEP	2015-0
RECORDING FOR SEWER PIPE	7007-0
CHALKING AND ENCASMENT	2035-0
WYE OR TEE SUPPORT	2024-0
ALLOWABLE TRENCH WIDTH	2027-0
LOADING MANHOLE FRAME AND COVER	2029-0
NON-REINFORCED PRECAST CONCRETE MANHOLE	2029-0
BRICK AND EXISTING MANHOLE	2029-0
SPECIAL HOUSE LATERALS	2222-0
EXPOSED PROTECTORS IN STEEP SLOPES	2028-0
ANCHORS BLOCKS	2221-0
JACOBS STEEL COUSING FOR SEWER PIPE	2028-0
CHAMFER	2220-0

* REFERS TO A.P.W.A. SET. DRAWING NO.

ISSUE NO HOUSE LATERAL CONNECTION PERMITS UNDER OUTLET P.C. NO. 10594 HAS BEEN ACCEPTED FOR PUBLIC USE BY LOS ANGELES COUNTY.

City of Santa Clarita Discharge Approval
 Date: 8/12/02
 City Engineer: Robert G. Newman

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 district 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 (861) 268-4883 so that required inspection can be made.

PRIVATE CONTRACT SEWER GENERAL NOTES

- A sewer construction permit shall be obtained and fee paid for construction inspection and record plans to the Department of Public Works of the Permit Counter, 900 South Fremont Avenue, 9th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Flood Elevation, Ordinance, etc. must be filed with the permit application.
- Prior to issuance of any permit, the contractor shall file a permit for excavation and trenches from the State of California Division of Industrial Safety, and a Certificate of Worker's Compensation Insurance with the Department of Public Works named as the Certificate Holder to be notified 30 days prior to the start of work.
- If work is 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.
- When work is within a contract city, the contractor must contact the Director of Public Works of that city, to determine the location to pay the inspection fee.
- The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
- Approval of this plan by the County of Los Angeles does not constitute a representation as to 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 maps.
- All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction, including amendments and the latest Special Provisions for the Construction of Sanitary Sewers and shall be procured only in the presence of the Department of Public Works.
- The contractor's attention is directed to Section 7-10.4.1 of the Standard Specifications for Public Works Construction in regard to safety orders and shall conform to the "Minimum Public Safety Requirements" as shown on Los Angeles Department of Public Works Standard S-5.
- Excavations are to be made above U.S.C. & G.S. sea level datum of 1929.
- No relocations 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, cantilever of streets, or cantilever of steps, are shown by circles on profiles 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 detailing for all house laterals and "Y" or "T" branches and shall provide stakes for them at their proper locations with identifying labels. The 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 chimneys shall not have an angle of less than 45 degrees with the M.L. 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 4800 hours interval on the grade sheet.

CONSTRUCTION NOTES

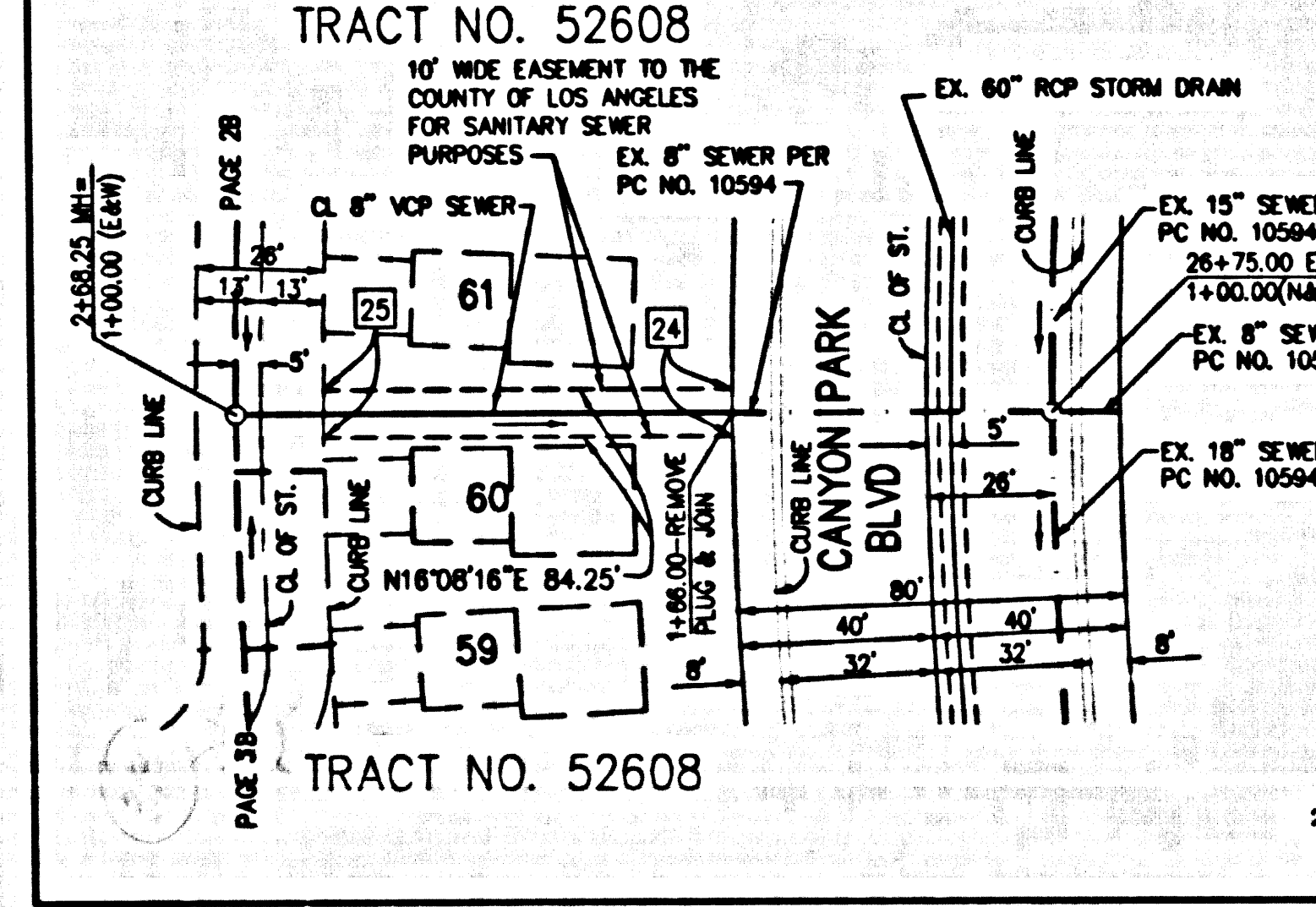
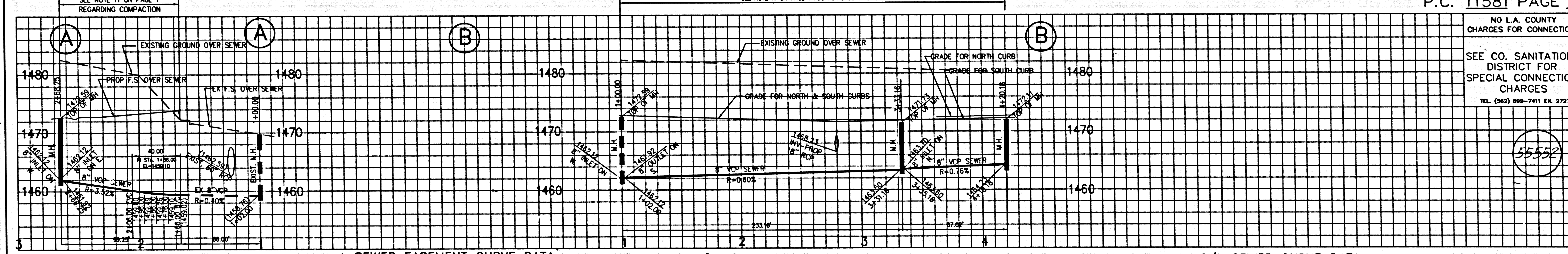
- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the cantilever of each manhole.
- Verified clay pipe joints shall be type "D" or "U" per standard specifications section 208-2.
- If it is necessary to install trench feet of the sewer, the sewer shall be encased per standard plan S-23, case A, two feet on each side from the point of interference.
- All joints between cast iron pipe and verified clay shall be made with a rubber sleeve joint, type "D" (with bushing if necessary) per standard specifications section 208-2.
- House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted.
- Wye or tee branches may be used for connections to the mainline sewers except as noted.
- If during the course of construction, it is determined that there is less than four feet of cover over the top of a manhole of house lateral or sewer which is not indicated on the plans, the plans shall be encased per standard plan S-23, case A, unless otherwise approved by the Director of Public Works.
- All structures shall be other than sewer manholes per standard plan S-3 or precast concrete sewer manholes per standard plan S-36, or reinforced precast concrete manholes per standard plan S-4, except as noted.
- Reinforce all manholes within paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permits.
- Full completion with section 308-1.3.4 of the standard specifications will be required for backfill in street certification of a certificate of partial acceptance.
- All backfill and fill outside of the street right of way shall be compacted to 90% of the maximum density as determined by ASTM soil compaction test D 1557-78 method "D" unless otherwise specified. This shall be certified by a qualified civil engineer. This certification shall be submitted to the Construction Division of the Department of Public Works prior to the acceptance of work by the County.
- Manhole tops in unimproved rights of way to be six inches above finished grade.
- Sewers to be tested for leakage per section 308-1.7.4 of the standard specifications and special provisions.

PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS
 TO BE CONSTRUCTED IN
 TRACT NO. 52608 PC NO. 11581
 2 SHEETS: 4 PAGES
 INDEX - 1417
 COUNTY OF LOS ANGELES CALIFORNIA

JAMES A. NOTES DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 DENNIS HUNTER 8/21/02
 ASSISTANT ENGINEER
 SUBMITTED 8/21/02
 SCHEDULED PLAN CHECKING SECTION

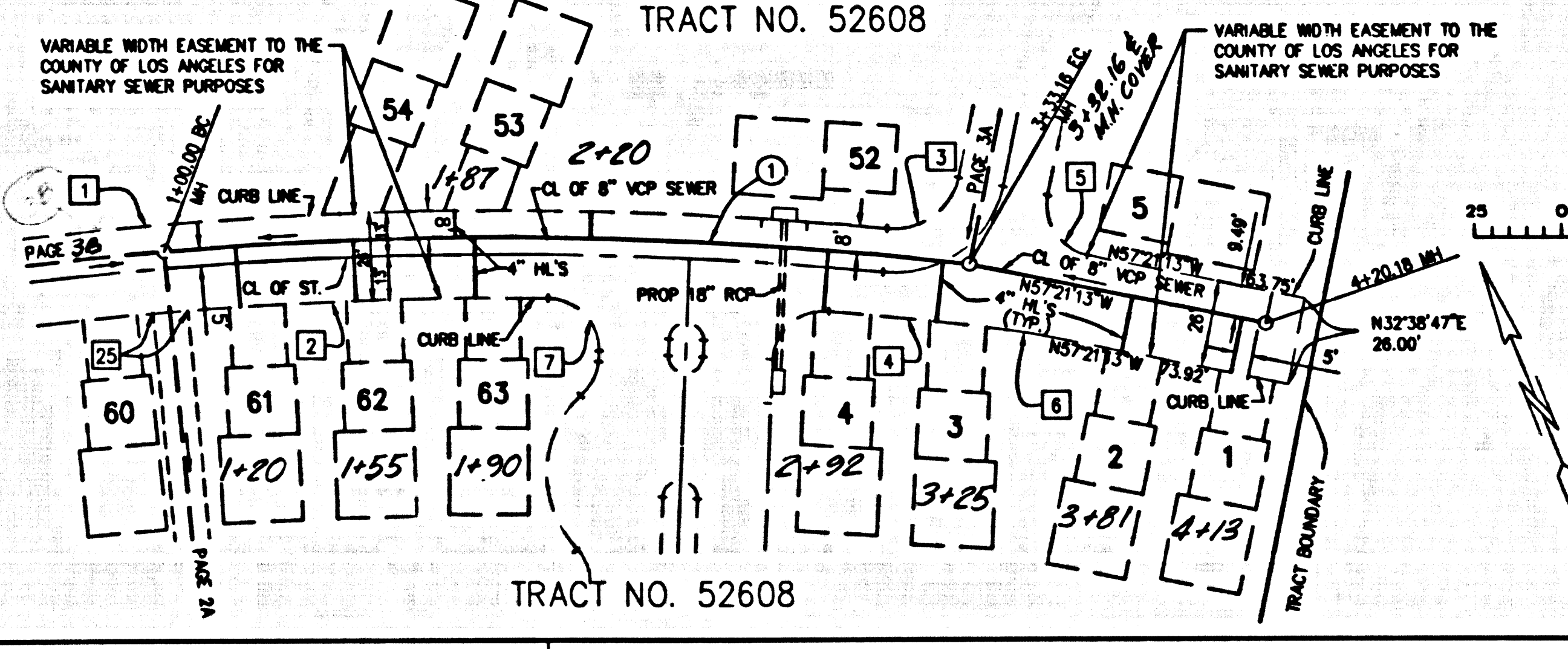
APPROVED: COUNTY SANITATION DISTRICT
 OF LOS ANGELES CALIF.
 JAMES F. STAHL - CHIEF ENGINEER AND GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 2626
 DATE: 8/28/02

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS REQUIRED BY A SEARCH OF 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 PRECAUTIONARY MEASURES TO PROTECT THE UTILITIES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-805-948-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
 DAVID W. HESTON RCE NO. 20228 EXP. 9/30/05 DATE: 8/28/02



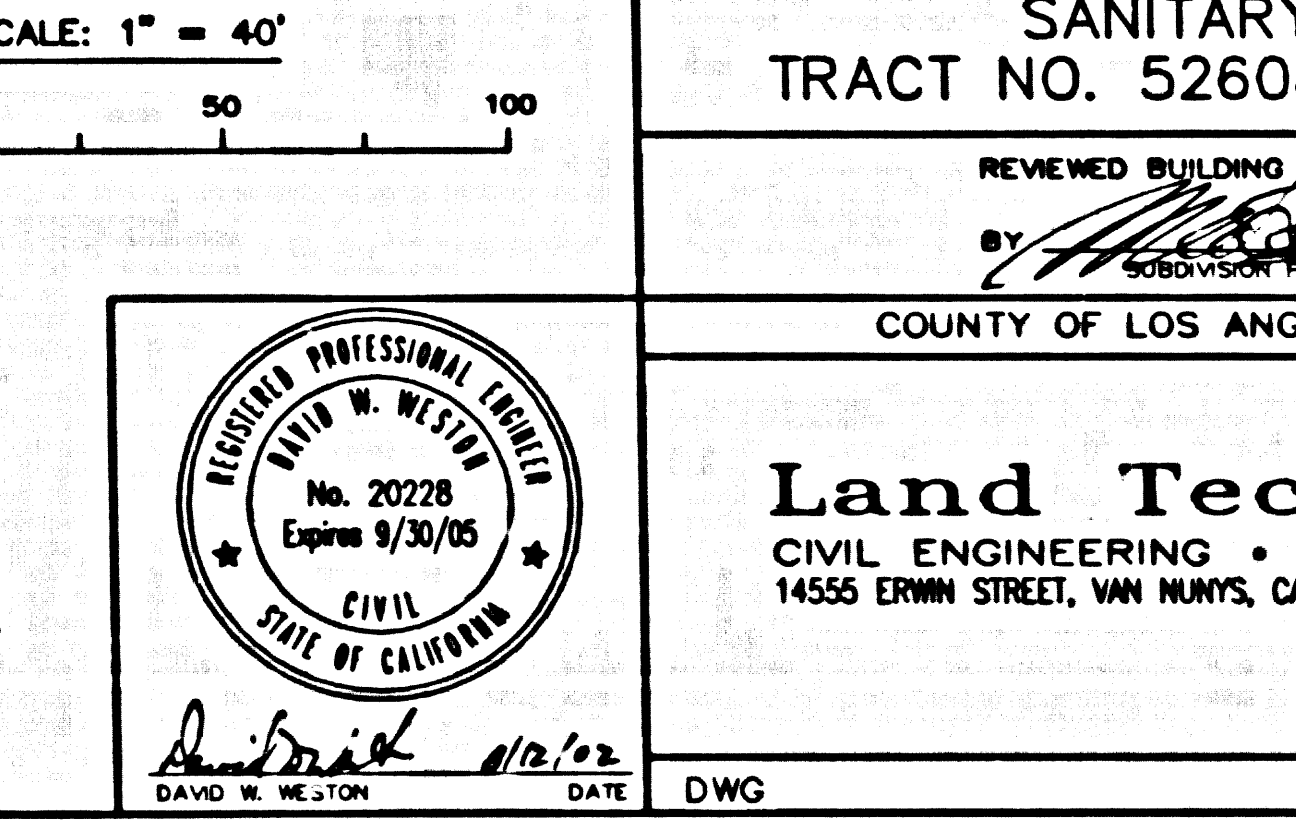
SEWER EASEMENT CURVE DATA

R	Δ	L	T	
1	1150.25'	125.729°	260.14'	130.63'
2	1124.25'	521.31°	105.14'	52.61'
3	19.00'	83.5811°	27.85'	17.10'
4	1124.25'	02.4620°	54.40'	27.20'
5	15.00'	90.0000°	23.58'	15.00'
6	75.00'	03.5923°	5.22'	2.81'
7	15.00'	92.0400°	24.10'	15.55'
24	1124.25'	00.3034°	10.00'	5.00'
25	1040.00'	00.3303°	10.00'	5.00'



C/L SEWER CURVE DATA

R	Δ	L	T	
1	1142.25'	11.4143°	233.18'	116.99'



NO L.A. COUNTY CHARGES FOR CONNECTIONS
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (862) 699-7411 EX. 2727

P.C. 11581 PAGE 2

SANITARY SEWER PLANS IN TRACT NO. 52608 PC NO. 11581
 REVISED BUILDING AND DEVELOPMENT DIVISION
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
Land Tech Engineering
 CIVIL ENGINEERING • LAND PLANNING • LAND SURVEYING
 14555 ERWIN STREET, VAN NUYS, CA. 91411 (818) 909-8500

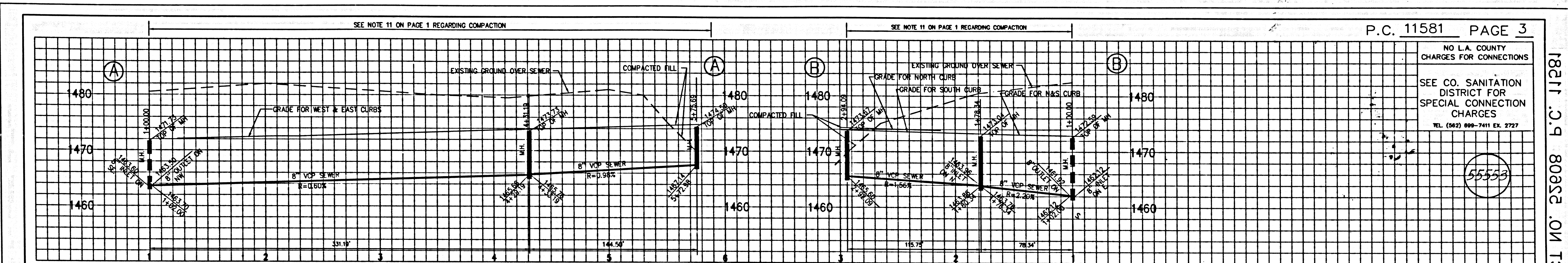
TRACT NO. 52608 PC NO. 11581

P.C. 11581 PAGE 2

NO L.A. COUNTY CHARGES FOR CONNECTIONS

SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

P.C. 11581 PAGE 2



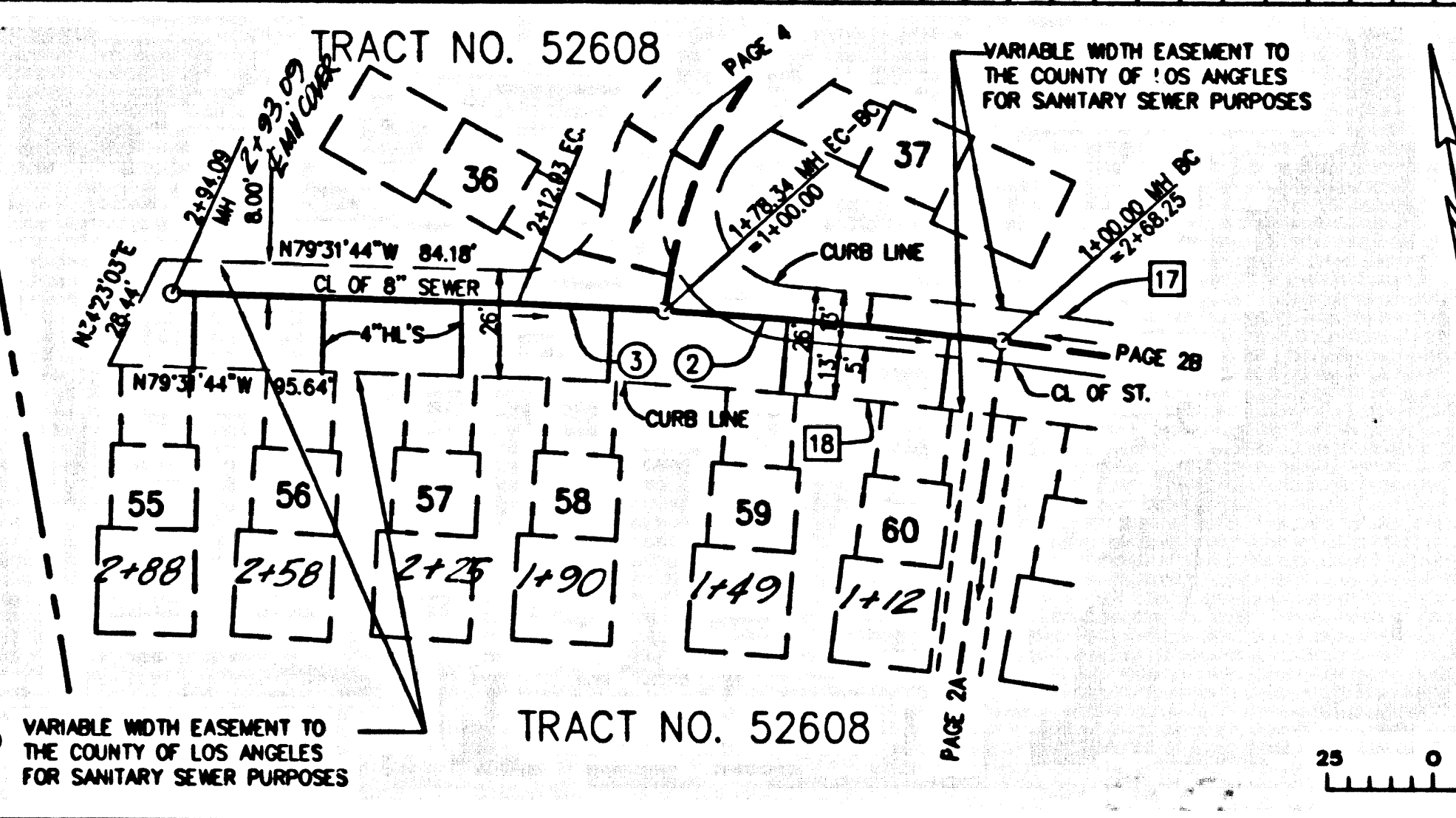
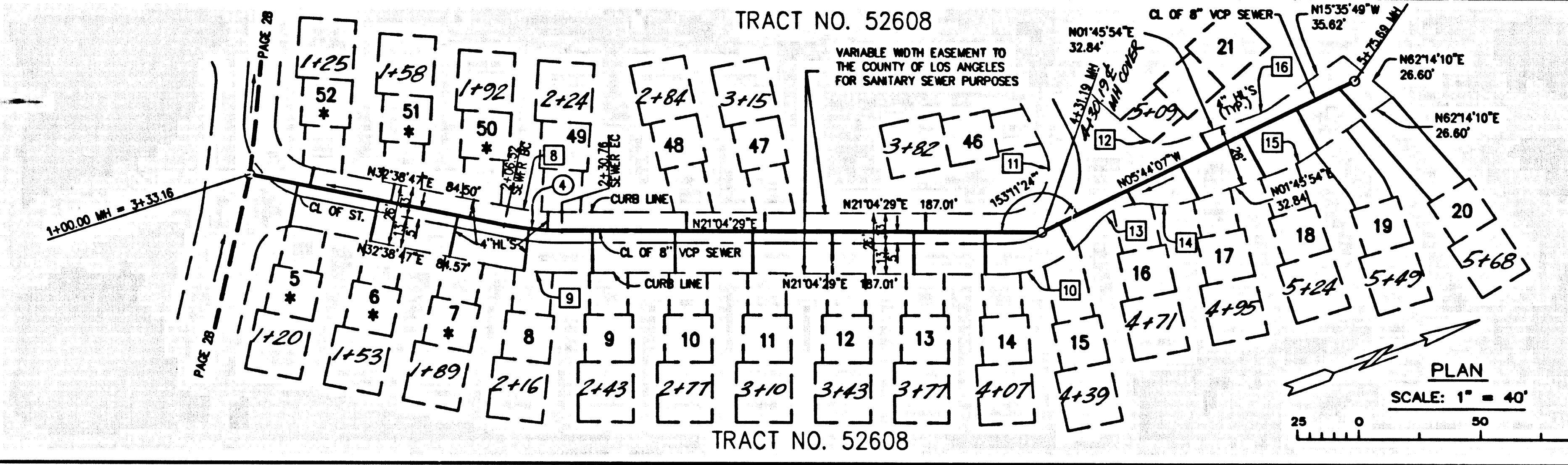
P.C. 11581 PAGE 3

NO L.A. COUNTY CHARGES FOR CONNECTIONS

SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

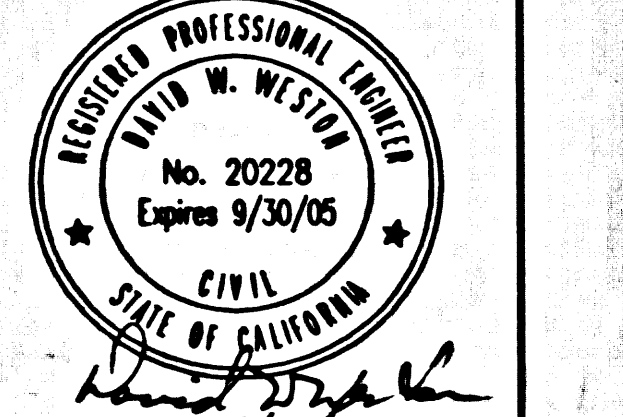
TEL. (862) 699-7411 EX. 2727

55553



C/L SEWER CURVE DATA

R	Δ	L	T
1142.25'	03°55'46"	78.34'	39.19'
1142.25'	1°44'07"	34.59'	17.30'
120.00'	11°34'18"	24.24'	12.16'



REVIEWED BY LAND DEVELOPMENT DIVISION

BY: [Signature] DATE: 8/2/02

PART C.P. 80832 ON TRACT 52608

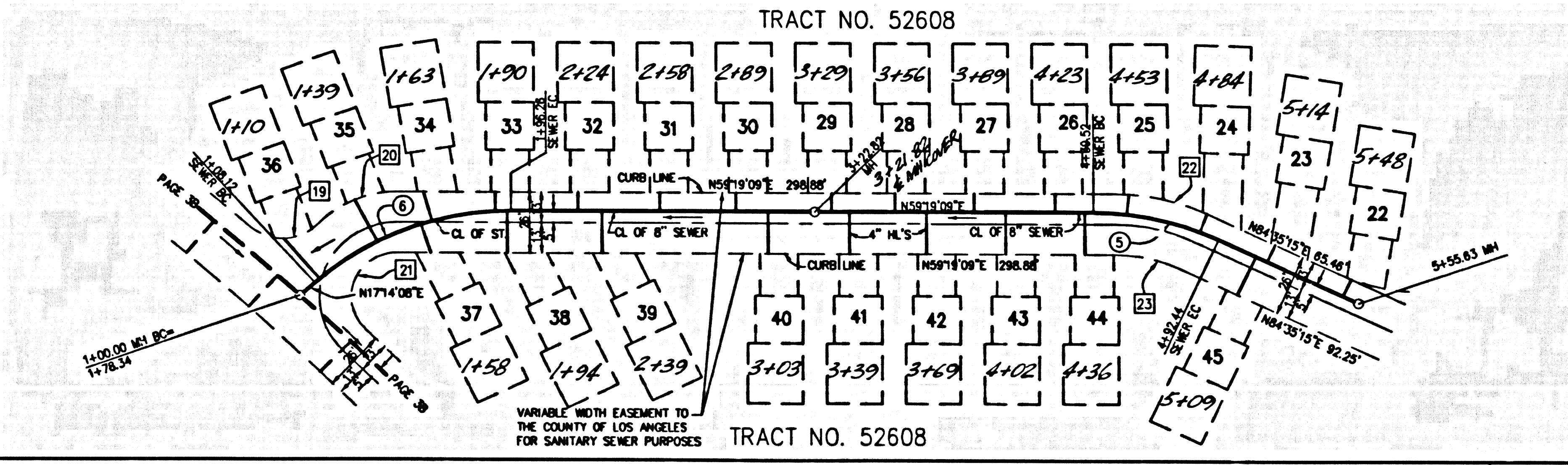
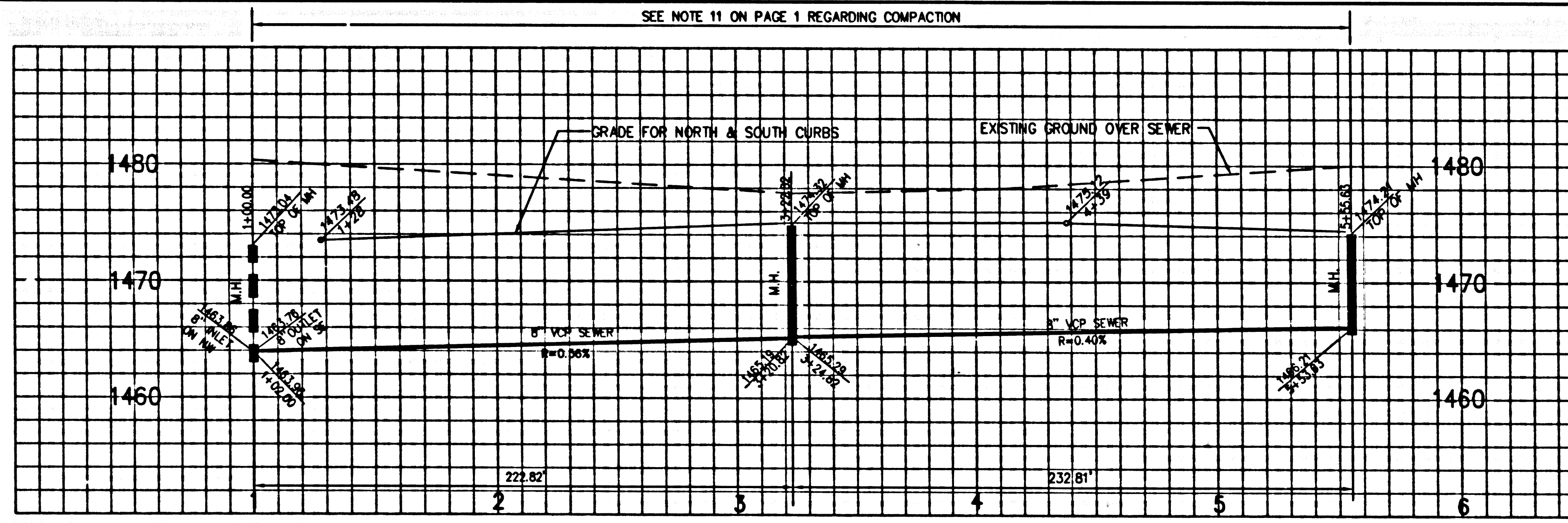
P.C. 11581 PAGE 4

NO L.A. COUNTY CHARGES FOR CONNECTIONS

SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

TEL. (862) 699-7411 EX. 2727

55554



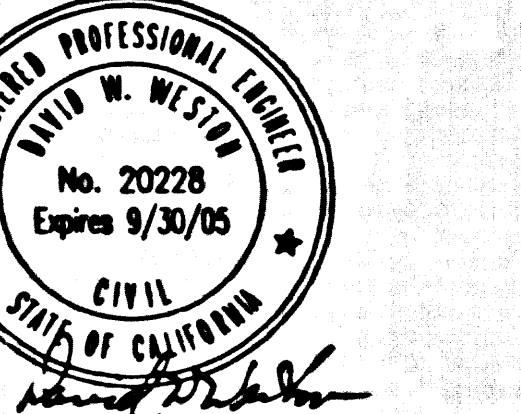
SEWER EASEMENT CURVE DATA

R	Δ	L	T	
8	87.00'	11°34'18"	17.57'	8.82'
9	113.00'	11°34'18"	22.82'	11.45'
10	45.00'	55°38'07"	43.70'	23.74'
11	19.00'	118°29'44"	36.63'	30.70'
12	15.00'	59°57'16"	15.70'	8.65'
13	25.00'	63°10'39"	27.57'	15.37'
14	41.00'	28°51'07"	19.21'	9.79'
15	61.00'	17°21'43"	18.46'	9.31'
16	35.00'	17°21'43"	10.61'	5.34'
17	1150.25'	12°57'29"	280.14'	130.63'
18	1124.25'	05°24'43"	106.19'	53.14'
19	20.00'	87°31'26"	30.55'	19.15'
20	45.00'	46°22'19"	36.42'	19.27'
21	19.00'	135°39'40"	44.99'	46.63'
22	88.00'	25°16'06"	38.81'	19.73'
23	82.00'	25°16'06"	27.34'	13.90'

* BACKWATER VALVES MAYBE REQUIRED FOR LOT NO.'S 5,6,7,50,51 AND 52

C/L SEWER CURVE DATA

R	Δ	L	T
120.00'	25°16'06"	52.92'	26.90'
120.00'	42°05'01"	88.14'	46.16'



REVIEWED BY LAND DEVELOPMENT DIVISION

BY: [Signature] DATE: 8/2/02