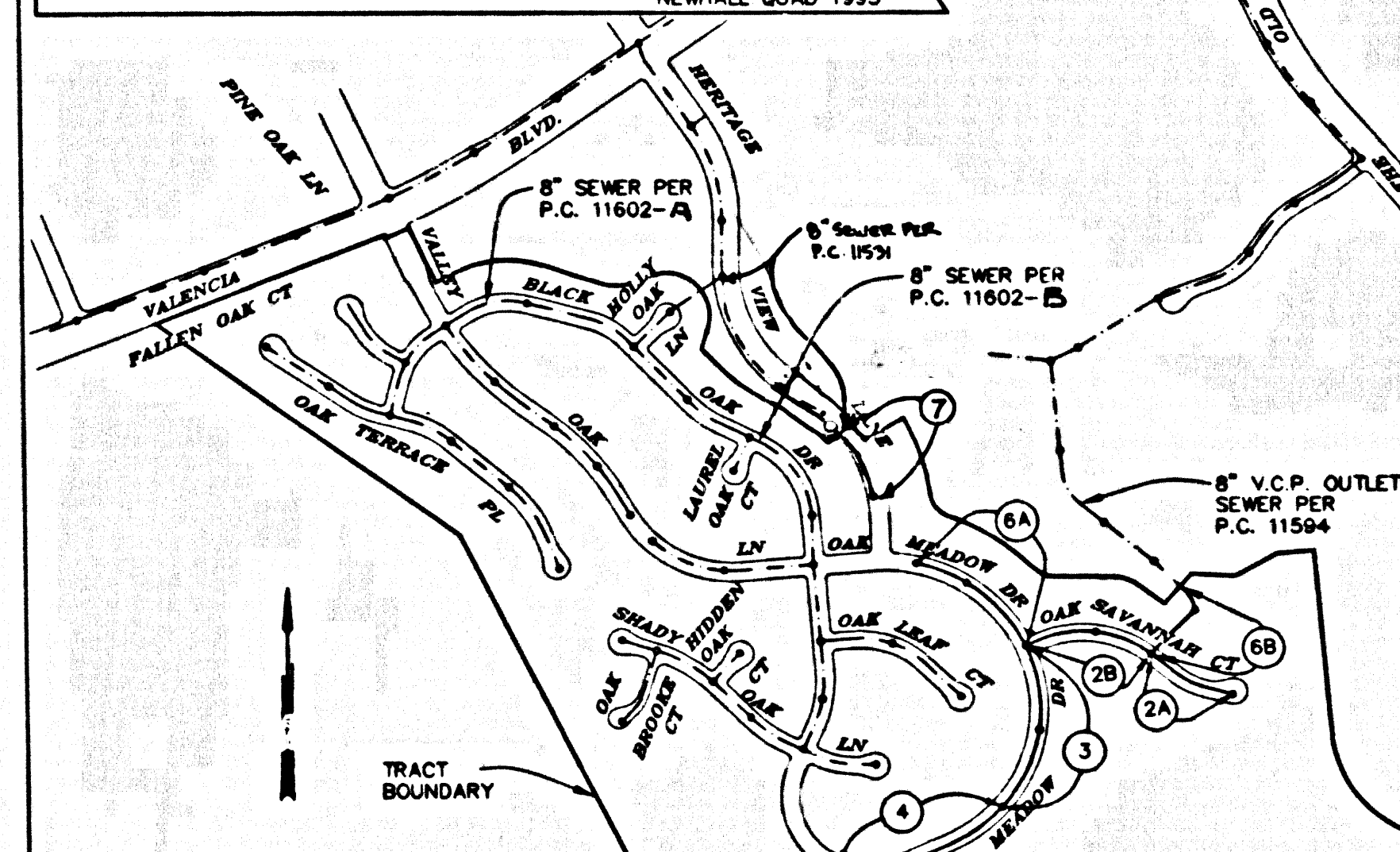


**BENCH MARK**  
 BM L.A. COUNTY B.M. 5291 Elev. 1031.950  
 RND. HD SPK. TOP OF LOWEST HDWL 24 FT  
 W/O C/L THE OLD ROAD (V. RDWY) & 0.6  
 MI S/O HENRY MAYO DR.



**INDEX MAP - 1257**  
 SCALE: 1"=800'  
 T.R. 45433-02  
 P.C. 11602

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	EXTENDED MAIN LINE AND DELETE M.M. AT STA. 17+04.61 ON PG. 4.	DE 5/10/02	[Signature]	5/10/02
2	ADDED PAGE 7. REVISED INDEX MAP.	DE 5/10/02	[Signature]	1/24/02

**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, or other natural drainage courses, or wind.
- Slopesides of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their listing 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 washed into the public way or any other drainage system. Provisions shall be made to reuse concrete waste on site until they can be disposed of as solid waste.
- 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 roadway 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.

DOUBLE SCALE

- |   |  |
|---|--|
| CA001 - Dewatering Operations               | ESC10 - Seeding and Planting             |
| CA002 - Paving Operations                   | ESC11 - Mulching                         |
| CA003 - Structure Construction and Painting | ESC20 - Geotextiles and Mats             |
| CA010 - Material Delivery and Storage       | ESC21 - Dust Controls                    |
| CA020 - Solid Waste Management              | ESC22 - Temporary Stream Crossing        |
| CA021 - Hazardous Waste Management          | ESC23 - Construction Road Stabilization  |
| CA022 - Concrete Waste Management           | ESC24 - Stabilized Construction Entrance |
| CA024 - Sanitary/Septic Waste Management    | ESC54 - Storm Drain Inlet Protection     |
| CA030 - Vehicle and Equipment Washing       |  |
| CA031 - Vehicle and Equipment Fueling       |  |
| CA032 - Vehicle and Equipment Maintenance   |  |
| ESC01 - Scheduling of Existing Vegetation   |  |
| ESC02 - 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  
 APWA 208-0 BREAKING INTO EXISTING MANHOLES  
 APWA 220-2 CHIMNEYS  
 APWA 223-0 HOUSE CONNECTION SEWER  
 APWA 223-0 HOUSE CONNECTION REUSING  
 2002-0 LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS  
 2021-0 BEDDING FOR SEWER PIPE  
 2022-0 WYS OR TIE SUPPORT  
 2027-0 ALLOWABLE TRENCH WIDTHS  
 NOTE: EASEMENT TO THE COUNTY OF LOS ANGELES FOR SANITARY SEWER, INGRESS AND EGRESS TO BE GRANTED OVER ALL PRIVATE STREETS PER FINAL MAP.

THIS SEWER PRIVATE CONTRACT ACCEPTED FOR PUBLIC USE  
 6.29.04  
 COUNTY OF LOS ANGELES  
 DEPARTMENT OF PUBLIC WORKS  
 LAND DEVELOPMENT DIVISION

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.

ISSUE NO HOUSE LATERAL CONNECTION PERMITS UNTIL OUTLET SEWER IS ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.

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 (661) 266-4663 SO THAT REQUIRED INSPECTION CAN BE MADE.

**PRIVATE CONTRACT SEWER GENERAL NOTES**

- A sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the Department of Public Works at the Permit Counter, 900 South Fremont Avenue, 8th Floor, Los Angeles, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Flood Excavation, Caltrans, etc., must be filed with the permit application.
- Prior to issuance of any permit, the contractor shall file a permit for excavations 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 completion of jobs.
- 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 site.
- 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 plans.
- All work shall be in accordance with the latest approved edition of the "Standard Specifications for Public Works Construction, including supplements and the latest Special Provisions for the Construction of Sanitary Sewers and shall be prosecuted 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-2.
- Elevations are in feet above U.S.C. & G.S. sea level datum of 1929.
- No relations 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 ditches, are shown by circles on profiles at 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 "Y" or "T" branches and shall provide stakes for them at their proper locations with stationing shown. All house laterals shall be constructed in a straight alignment at 90° 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 main 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 section for each house lateral 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 centerline of each manhole.
- Vertical day pipe joints shall be type "D" or "G" per standard specifications section 208-2.
- If a pipe joint is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case II, two feet on each side from the point of interference.
- All joints between cast iron pipe and vitrified clay shall be made with a rubber sleeve joint, type "D" (with bursting 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 sewer 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 or house lateral V.C.P. sewer which is not indicated on the plans, the pipes shall be encased per standard plan S-23, case II, unless otherwise approved by the Director of Public Works.
- All structures shall be either brick sewer manholes per standard plan S-3 or precast concrete sewer manholes per standard plan S-36, or reinforced precast concrete manhole per standard plan S-6, except as noted.
- Reinforce all trenches within paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permits.
- Full compliance with section 308-13.4, of the standard specification will be required for backfill in street certification of backfill compaction and sand equivalents by a qualified civil engineer shall be provided by the permittee prior to the issuance 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 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 the 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 308-1/4 of the standard specifications and special provisions.

**PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS**

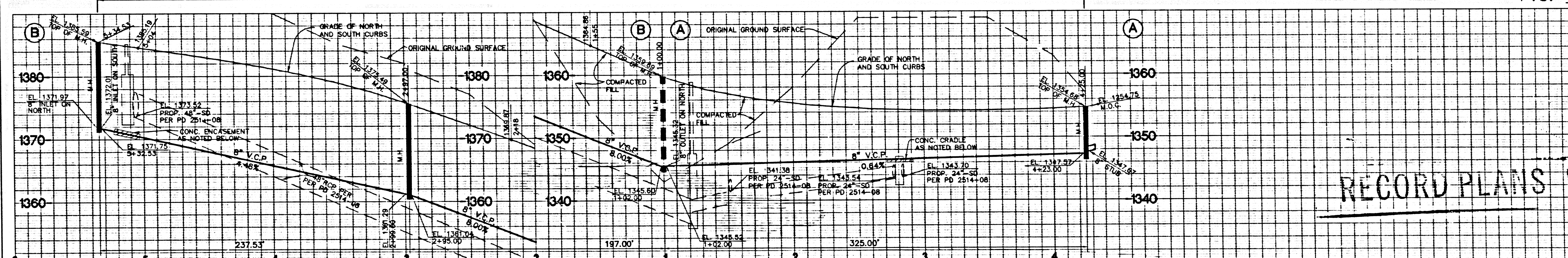
TRACT 45433-02 PC NO. 11602  
 SHEETS: 7 PAGES  
 COUNTY OF LOS ANGELES CALIFORNIA  
 INDEX 1257

JAMES A. NOYES DIRECTOR OF PUBLIC WORKS  
 APPROVED BY LAND DEVELOPMENT DIVISION  
 BY Dennis F. Hunter 1/15/02  
 ASSISTANT DIVISION ENGINEER  
 SUBMITTED BY [Signature] 1/15/02  
 SUBDIVISION PLAN CHECKING SECTION

APPROVED: COUNTY SANITATION DISTRICT 56039  
 JAMES F. STALL - CHIEF ENGINEER AND GENERAL MANAGER  
 COUNTY SANITATION DISTRICT NO. 32

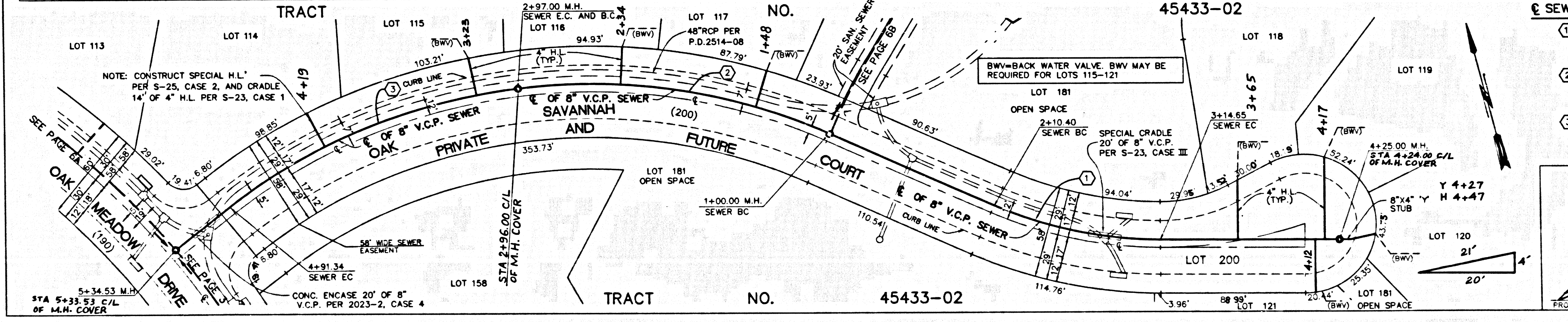
PRIVATE ENGINEERS NOTICE TO CONTRACTORS:  
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS REQUIRED BY A SEARCH OF AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT AS SHOWN ON THIS MAP. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE 1-800-432-4133 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.  
 [Signature] 1/15/02  
 DATE

**SEE CONSTRUCTION NOTE 11, PAGE 1 REGARDING COMPACTION**



**SEWER CURVE DATA**

STATION	ELEVATION
1	2422'50.56"
R	245.00
L	104.25'
T	52.93'
2	3146'20.63"
R	355.00
L	154.25'
T	101.03'
3	3121'56.93"
R	355.00
L	154.25'
T	99.67'

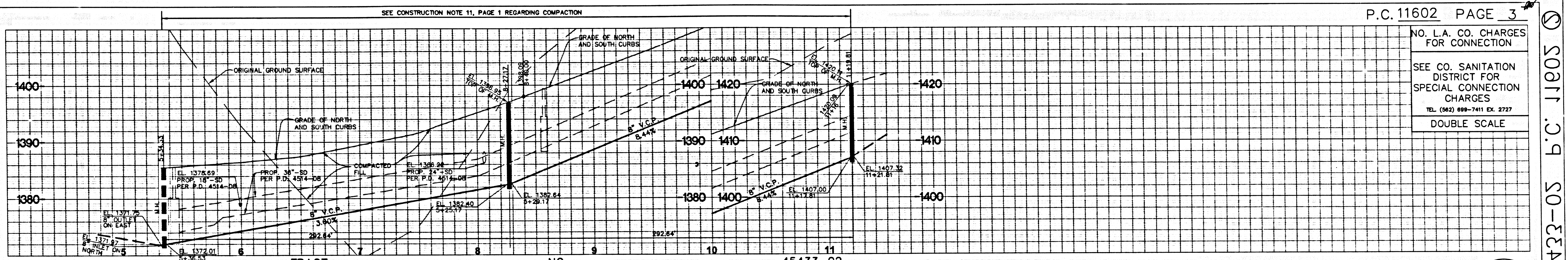


PLAN SCALE: 1" = 40'  
 25 0 50 100

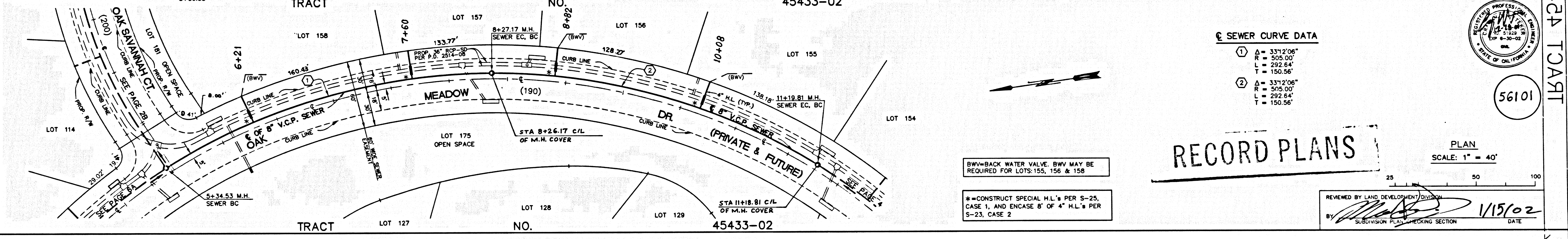
**SANITARY SEWER PLANS IN**  
 TR. 45433-02 PC NO. 11602  
 REVIEWED LAND DEVELOPMENT DIVISION  
 BY [Signature] 1/15/02  
 SUBDIVISION PLAN CHECKING SECTION  
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

ALLIANCE  
 LAND PLANNING & ENGINEERING INC.  
 5962 LAPLACE COURT  
 SUITE 130  
 CARLSBAD, CA 92008  
 TEL: (760) 431-9896

1257  
 45433-02  
 B.C.P.  
 05  
 42424  
 TRACT

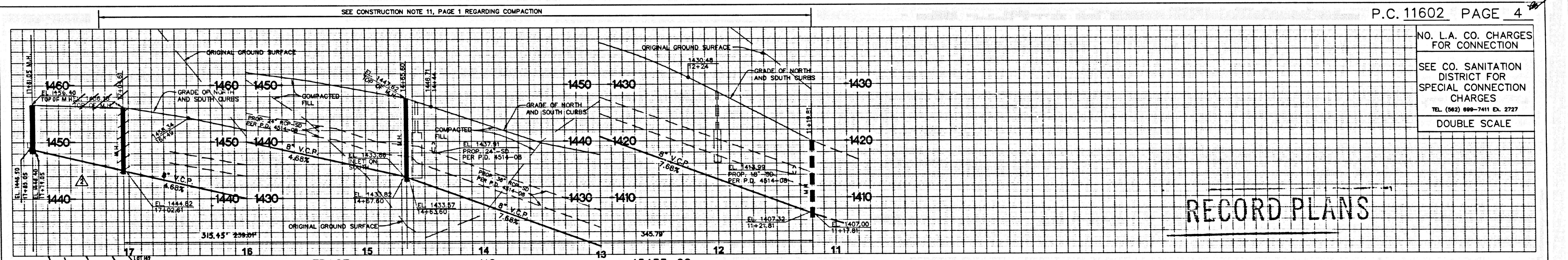


P.C. 11602 PAGE 3  
 NO. L.A. CO. CHARGES FOR CONNECTION  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (562) 698-7411 EX. 2727  
 DOUBLE SCALE

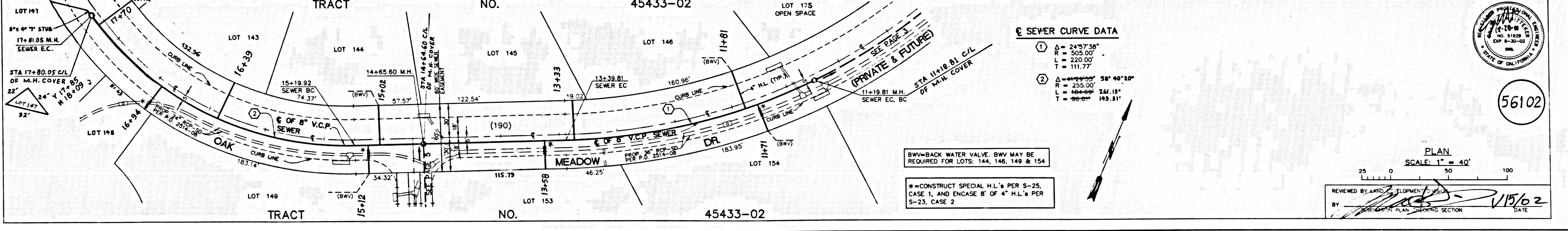


SEWER CURVE DATA  
 ① Δ = 331°2'08"  
 R = 305.00'  
 L = 292.64'  
 T = 150.56'  
 ② Δ = 331°2'08"  
 R = 305.00'  
 L = 292.64'  
 T = 150.56'

RECORD PLANS  
 PLAN SCALE: 1" = 40'  
 REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] 1/15/02 DATE



P.C. 11602 PAGE 4  
 NO. L.A. CO. CHARGES FOR CONNECTION  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (562) 698-7411 EX. 2727  
 DOUBLE SCALE



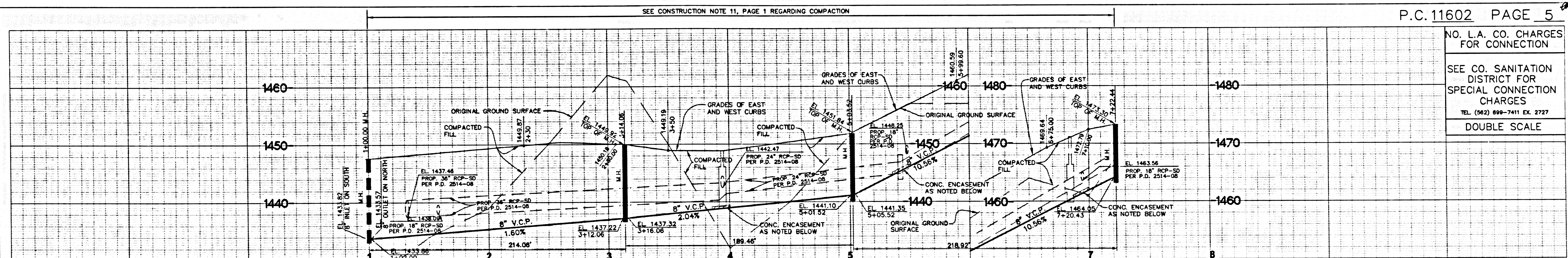
RECORD PLANS  
 PLAN SCALE: 1" = 40'  
 REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] 1/15/02 DATE

SEWER CURVE DATA  
 ① Δ = 245°37'38"  
 R = 505.00'  
 L = 220.00'  
 T = 111.77'  
 ② Δ = 90°00'00" 58' 40" 10"  
 R = 255.00'  
 L = 484.66' 2.61 19'  
 T = 90.00' 149.31'

RECORD PLANS  
 PLAN SCALE: 1" = 40'  
 REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] 1/15/02 DATE

SOFT COPY TO BE USED IN CONNECTION WITH THE ORIGINAL SET OF RECORD PLANS  
 56101

SOFT COPY TO BE USED IN CONNECTION WITH THE ORIGINAL SET OF RECORD PLANS  
 56102



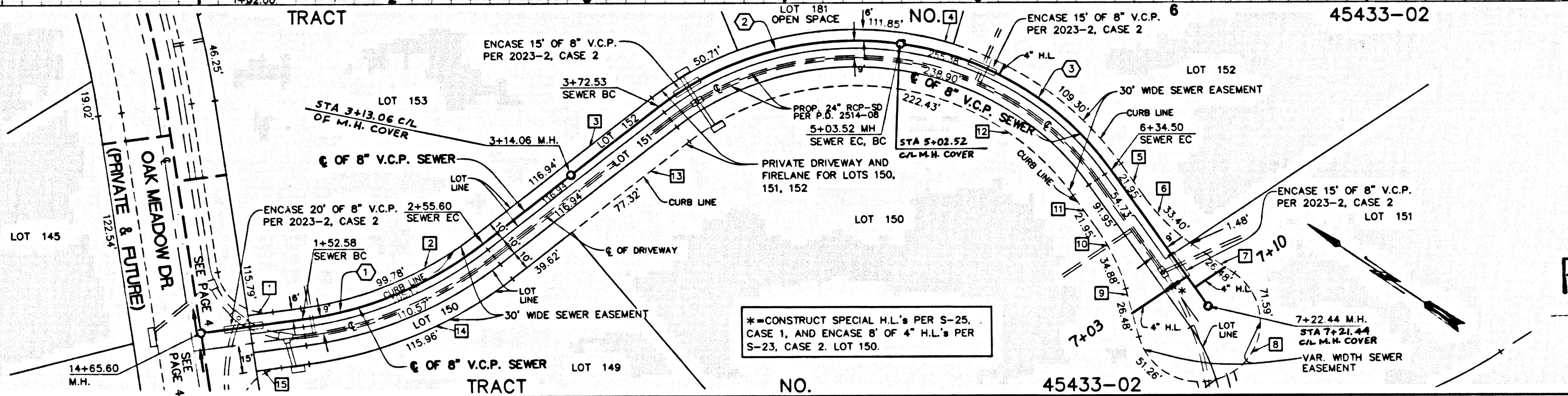
P.C. 11602 PAGE 5

NO. L.A. CO. CHARGES FOR CONNECTION  
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
TEL. (952) 898-7411 EX. 2727  
DOUBLE SCALE

NO.	BEARING / Δ	RADIUS	LENGTH
1	N 23°32'19" W	27.58'	
2	Δ = 30°54'09"	185.00'	99.78'
3	N 54°26'28" W	185.00'	116.94'
4	Δ = 94°24'05"	185.00'	271.86'
5	N 39°57'37" E	100.00'	21.95'
6	Δ = 19°59'13"	100.00'	34.88'
7	N 19°58'24" E	32.00'	28.48'
8	Δ = 219°58'26"	32.00'	122.85'
9	N 59°56'50" E	32.00'	28.48'
10	Δ = 19°59'13"	100.00'	21.95'
11	N 39°57'37" E	100.00'	34.88'
12	Δ = 94°24'05"	135.00'	222.43'
13	N 54°26'28" W	135.00'	116.94'
14	Δ = 30°54'09"	215.00'	115.96'
15	N 23°32'19" W	27.58'	

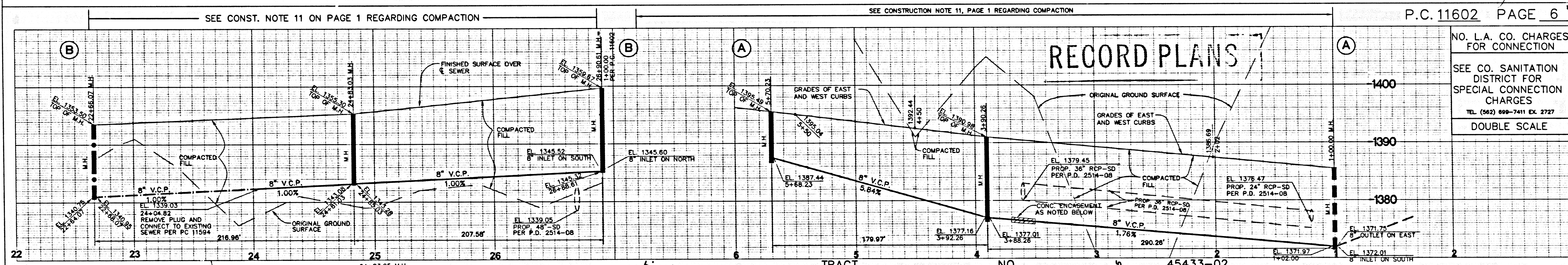
SEWER CURVE DATA

1	Δ = 30°54'09"	R = 191.00'	L = 103.01'	T = 52.79'
2	Δ = 47°12'02"	R = 159.00'	L = 130.99'	T = 69.47'
3	Δ = 47°12'02"	R = 159.00'	L = 130.99'	T = 69.47'



RECORD PLANS  
SCALE: 1" = 40'

REVIEWED BY: [Signature] 1/15/02  
DATE



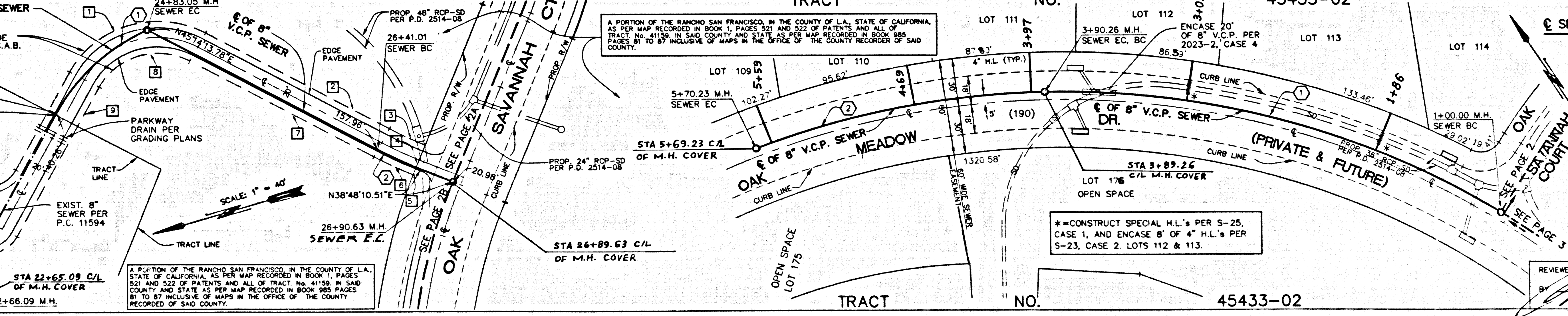
P.C. 11602 PAGE 6

NO. L.A. CO. CHARGES FOR CONNECTION  
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
TEL. (952) 898-7411 EX. 2727  
DOUBLE SCALE

NO.	BEARING / Δ	RADIUS	LENGTH	TAN.
1	Δ = 90°21'49"	60.00'	94.63'	60.38'
2	N 45°14'14" E	126.37'		
3	Δ = 05°42'46"	240.00'	23.93'	11.97'
4	N 51°11'49" W	15.14'		
5	Δ = 00°44'05"	379.00'	4.86'	2.43'
6	Δ = 05°46'30"	260.00'	26.21'	13.11'
7	N 45°14'14" E	126.37'		
8	Δ = 90°21'49"	63.00'	83.00'	40.25'
9	N 45°07'35" W	106.40'		

SEWER CURVE DATA

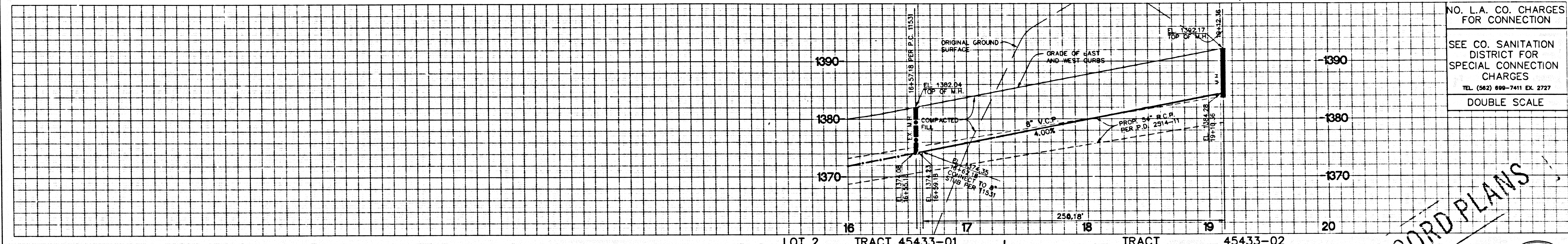
1	Δ = 32°55'57"	R = 505.00'	L = 290.26'	T = 149.26'
2	Δ = 20°25'06"	R = 555.00'	L = 179.97'	T = 90.95'



RECORD PLANS  
SCALE: 1" = 40'

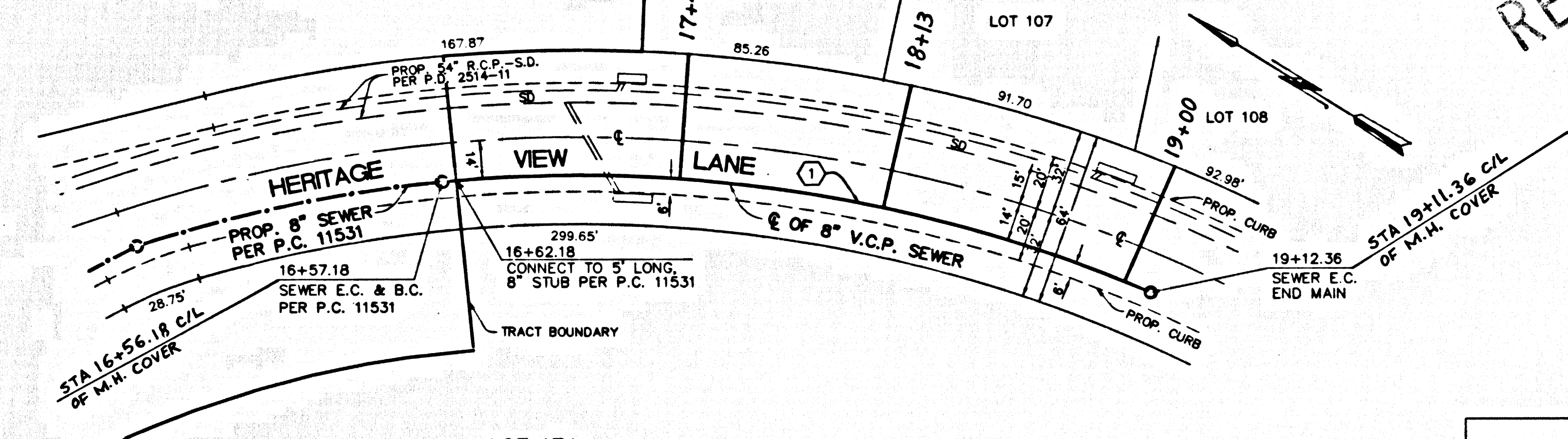
REVIEWED BY: [Signature] 1/15/02  
DATE

NO. L.A. CO. CHARGES FOR CONNECTION  
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
TEL. (562) 699-7411 EX. 2727  
DOUBLE SCALE

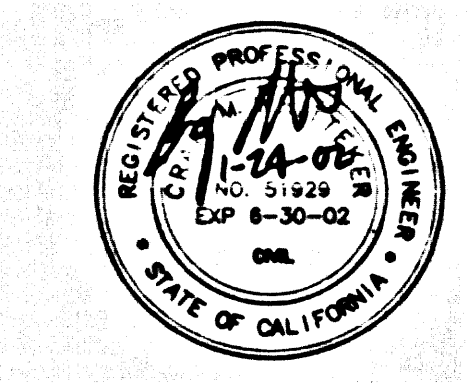


SEWER CURVE DATA  
① Δ = 29°29'40"  
R = 488.00'  
L = 250.18'  
T = 127.93'

LOT 2 TRACT 45433-01 LOT 106 TRACT 45433-02 LOT 107 LOT 108



RECORD PLANS

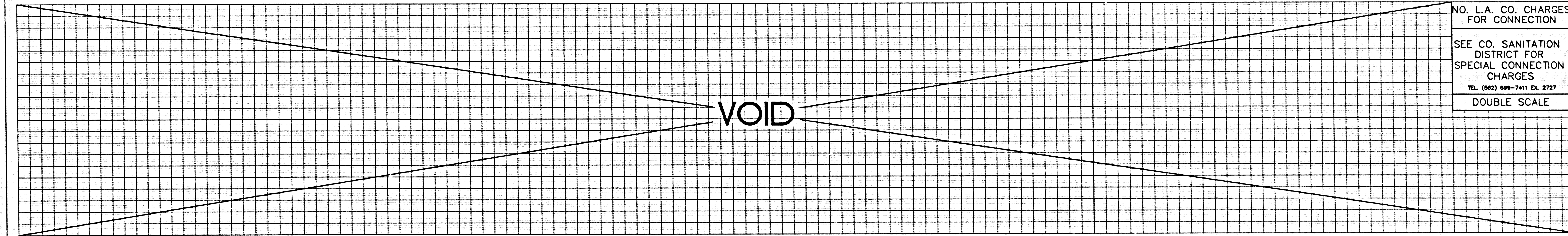


PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION  
BY Sandra Gilbreath DATE 1/29/02  
SUBMISSION PLAN CHECKING SECTION

LOT 20 TRACT 45433-01 LOT 174 TRACT 45433-02

NO. L.A. CO. CHARGES FOR CONNECTION  
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
TEL. (562) 699-7411 EX. 2727  
DOUBLE SCALE



PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION  
BY \_\_\_\_\_ DATE \_\_\_\_\_  
SUBMISSION PLAN CHECKING SECTION