

**BENCH MARK**  
 BM L.A. COUNTY B.M. 5402 Elev. 1031.950  
 RND. HD SPK. TOP OF LOWEST HDWL 24 FT  
 W/O C/L THE OLD ROAD (W. RDWY) & 0.6  
 MI S/O HENRY MAYO DR.  
 NEWMARK QUAD 1905

**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 by sheet flow, erosion, area drains, natural drainage courses, or ditches.
- Stockpiles 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 washed into the public way or any other drainage system. Provisions shall be made to retain concrete wastes 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 disposal 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.

**DOUBLE SCALE**

- |   |  |
|---|--|
| CA001 - Dewatering Operations               | ES010 - Seeding and Planting             |
| CA002 - Framing Operations                  | ES011 - Mulching                         |
| CA003 - Structure Construction and Painting | ES020 - Geotextiles and Mats             |
| CA010 - Material Delivery and Storage       | ES021 - Dust Controls                    |
| CA020 - Solid Waste Management              | ES022 - Temporary Stream Crossing        |
| CA021 - Hazardous Waste Management          | ES023 - Construction Road Stabilization  |
| CA022 - Concrete Waste Management           | ES024 - Stabilized Construction Entrance |
| CA024 - Sanitary/Septic Waste Management    | ES025 - Scheduling Construction Entrance |
| CA030 - Vehicle and Equipment Cleaning      | ES026 - Storm Drain Inlet Protection     |
| CA032 - Vehicle and Equipment Fueling       |  |
| ES020 - 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**

|        |  |
|--------|--|
| 2000-0 | LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS |
| 8008-0 | MINIMUM PUBLIC SAFETY REQUIREMENTS                             |
| 2015-0 | STANDARD MANHOLE STEP  |
| 2017-0 | RETICULUM FOR SEWER PIPE                                       |
| 2023-0 | CRACKING AND ENCASEMENT  |
| 2024-0 | PIPE OR TEE SUPPORT  |
| 2027-0 | ALLOWABLE TRENCH WIDTHS  |
| 2028-0 | REINFORCED CONCRETE MANHOLE                                    |
| 210-0  | LOCKING MANHOLE FRAME AND COVER                                |

\* REFERS TO A.P.W.A. STD. DRAWING NO.

**NOTE: EASEMENT TO THE COUNTY OF LOS ANGELES FOR SANITARY SEWER, INGRESS AND EGRESS TO BE GRANTED OVER ALL PRIVATE STREETS PER FINAL MAP.**

**NO CONNECTION FOR THE DISPOSAL OF INDUSTRIAL WASTES SHALL BE MADE TO SEWERS SHOWN ON THESE DRAWINGS UNLESS A PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE HAS BEEN ISSUED BY THE SANITATION DISTRICTS FOR SAID CONNECTION.**

**NO HOUSE LATERAL CONNECTION PERMIT 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 (811) 264-4883 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, Anaheim, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as Road 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 as the Certificate Holder to be notified 30 days prior to commencement 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 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 a 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 the 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 the project. This note applies to all pipes.
- 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 7-10.6.1 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.
- Disturbances are in feet 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, centerline of streets, or centerline of ditches, 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 designated points.
- The private engineer shall furnish the Department of Public Works with grade sheets and stationing for all house laterals and "T" or "T" branches and shall provide stationing for those of their proper locations with stationing clearly marked. All house laterals shall be constructed in a straight alignment of right angle from the main sewer except as shown on the plans. House laterals from driveways 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 of the property below the top of curb sewer 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.
- Verified slope pipe joints shall be type "D" or "Q" per standard specifications section 208-2.
- If a powerpole is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case 8, 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 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 mainline or outlet V.C.P. sewer which is not indicated on these plans, the pipe shall be encased per standard plan S-23, case 8, unless otherwise approved by the Director of Public Works.
- All structures shall be other brick sewer manholes per standard plan S-3 or precast concrete sewer manholes per standard plan S-30, or reinforced precast concrete manholes per standard plan S-6, except as noted.
- Reinforce all trenches with paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permit.
- Full compliance with section 208-1.3.4 of the standard specification will be required for backfill in street certification of backfill composition and sand equivalents by a qualified civil engineer shall be provided by the permittee prior to the issuance of a certificate of partial completion.
- All backfill and the 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. The 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 in line above finished grade.
- Sewers to be tested for leakage per section 208-1.7.4 of the standard specifications and special provisions.

**PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS**  
 TO BE CONSTRUCTED IN

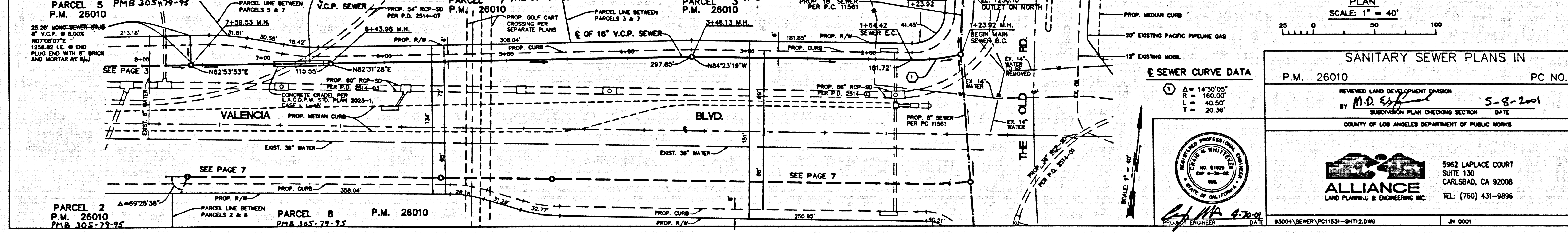
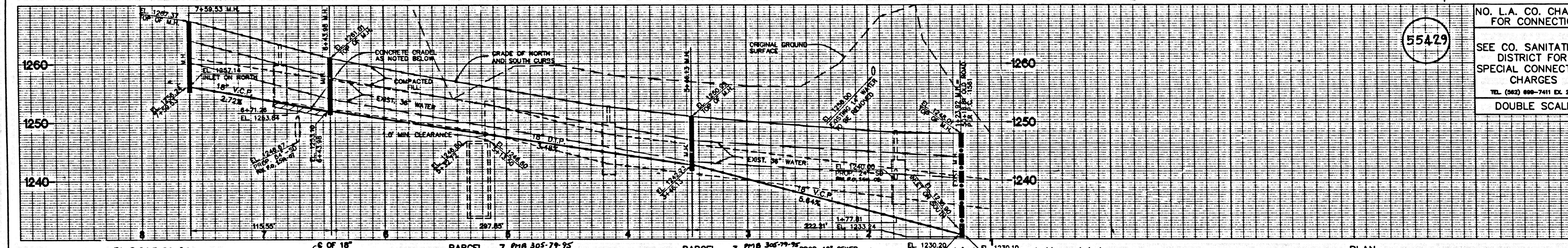
P.M. 26010 PC NO. 11531  
 6 SHEETS: 11 PAGES  
 COUNTY OF LOS ANGELES CALIFORNIA  
 INDEX - 1257

**JAMES A. NOTES** DIRECTOR OF PUBLIC WORKS  
 RECOMMENDED LAND DEVELOPMENT DIVISION  
 BY: *Phil Hodges* 5/16/01  
 SUBMITTED: *[Signature]* 5/16/01  
 BY: *[Signature]* 5/16/01

APPROVED: **COUNTY SANITATION DISTRICT**  
 OF LOS ANGELES CALIF.  
 JAMES F. STYAL - CHIEF ENGINEER AND GENERAL MANAGER  
 COUNTY SANITATION DISTRICT NO. 32  
 BY: *[Signature]* DATE: 5/16/01

**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 1-800-822-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-800-848-4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.  
*[Signature]* 4-30-01  
 RICE NO 51928 DATE

| NO. | REVISION  | REVISED BY         | APPROVED BY        | DATE    |
|-----|---|--------------------|--------------------|---------|
| 1   | DRAGE #1 REVISED SEWER STUB DATA @ STA 6+42.78. ADDED PAGES 11 & 12. RAN/RES/INCL/PLN | <i>[Signature]</i> | <i>[Signature]</i> | 1-29-02 |
| 2   | ADDED 4" H.L. ON PAGE 9   | <i>[Signature]</i> | <i>[Signature]</i> | 2-26-02 |

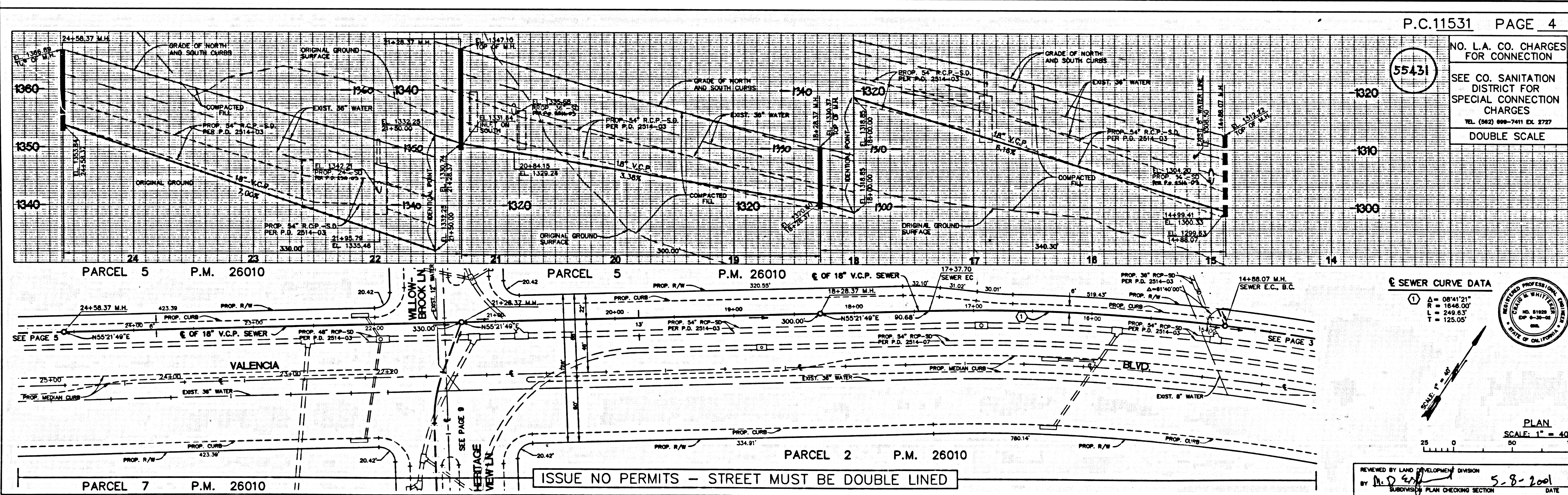
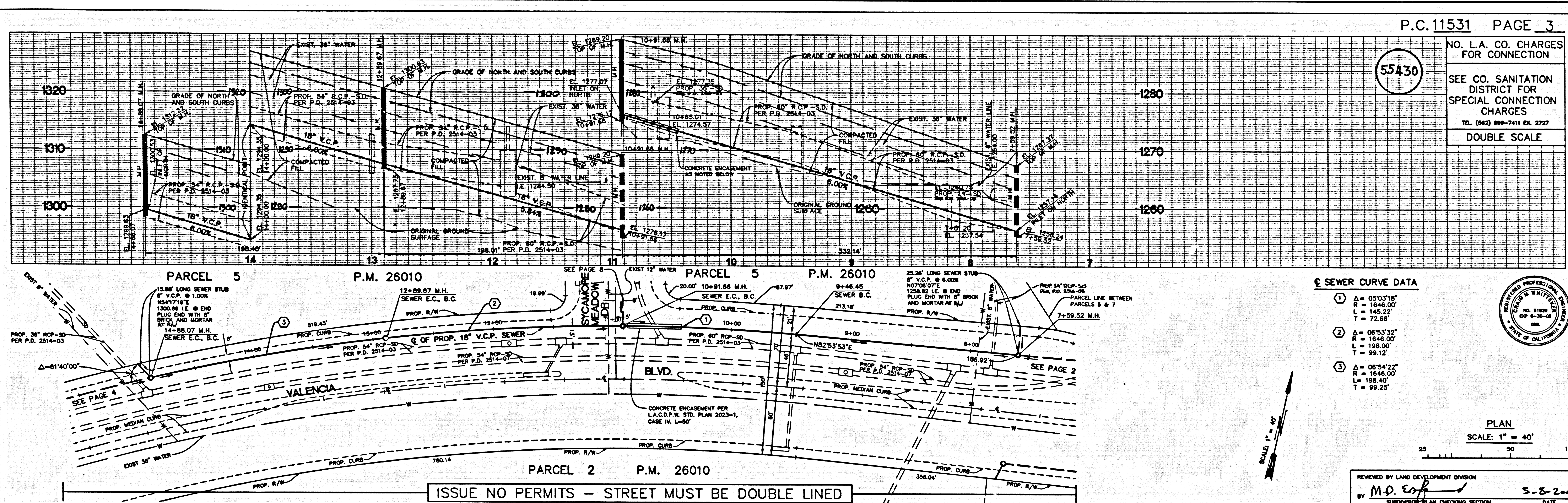


**P.C.11531 PAGE 2**  
 NO. L.A. CO. CHARGES FOR CONNECTION  
 55429  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (805) 898-7411 EX. 2727  
 DOUBLE SCALE

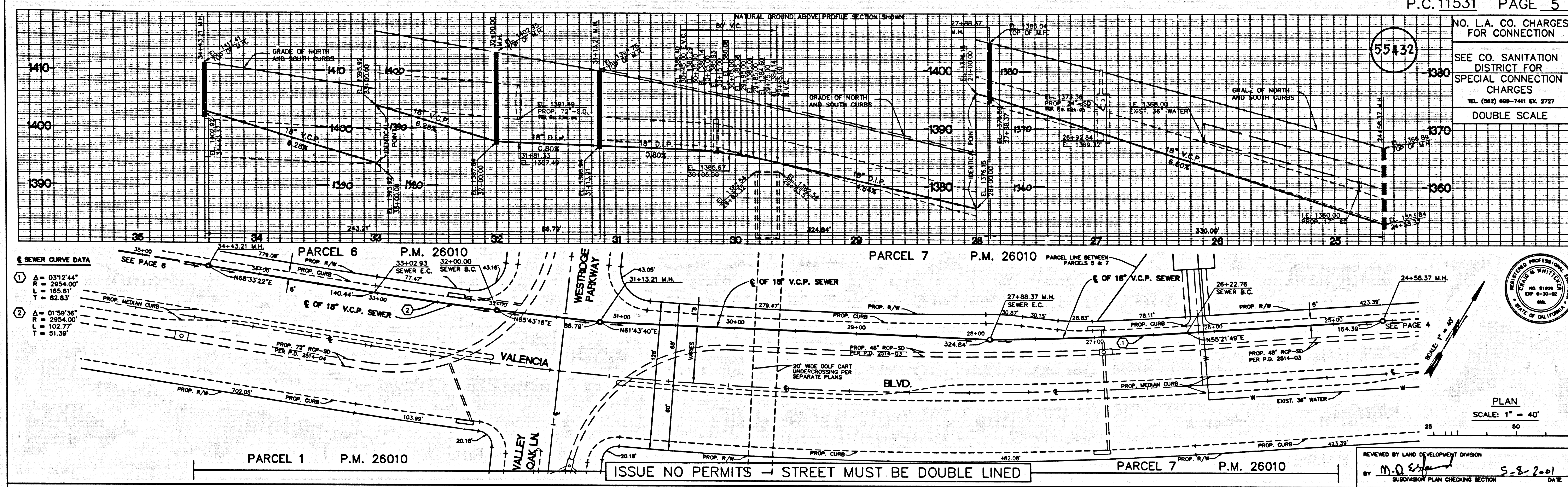
**SANITARY SEWER PLANS IN**  
 P.M. 26010 PC NO.11531  
 REVISED LAND DEVELOPMENT DIVISION  
 BY: *M.D. Estep* 5-8-2001  
 SUBDIVISION PLAN CHECKING SECTION DATE  
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

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

**PROF. CIVIL ENGINEER**  
 DATE: 4-30-01  
 RICE NO 51928



B.C. 11231



SEWER CURVE DATA

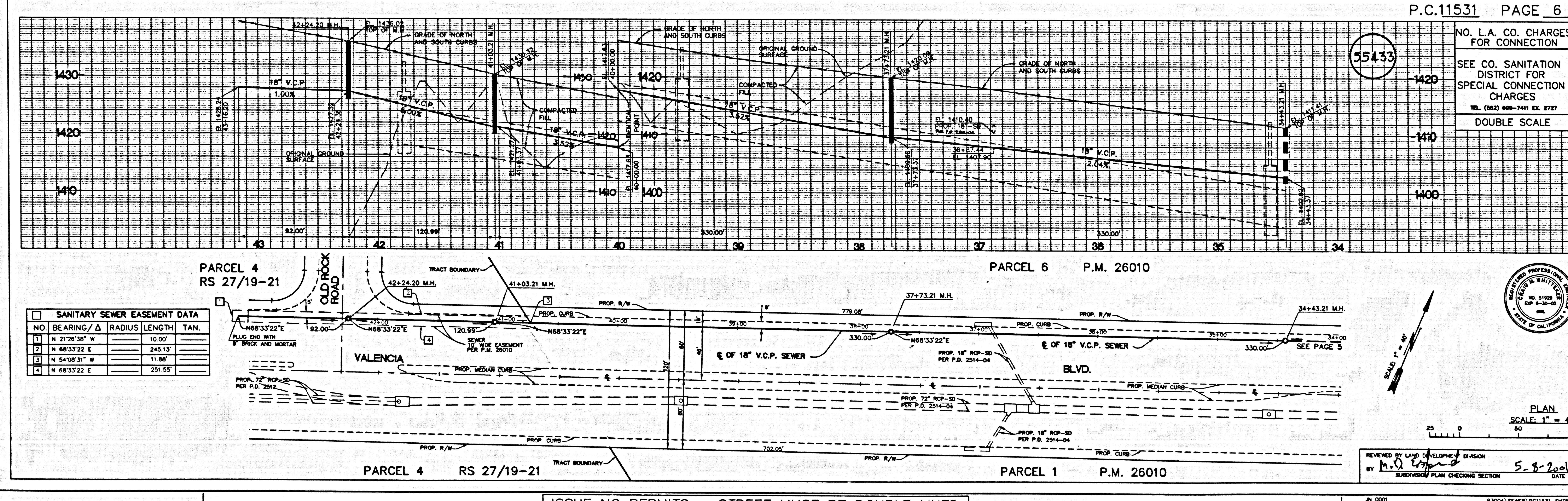
- $\Delta = 031'24.44''$   
 $R = 2954.00'$   
 $L = 165.61'$   
 $T = 82.83'$
- $\Delta = 01'59'38''$   
 $R = 2954.00'$   
 $L = 102.77'$   
 $T = 51.39'$

NO. L.A. CO. CHARGES FOR CONNECTION  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (862) 698-7411 EX. 2727  
 DOUBLE SCALE



PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY M. D. Egan 5-8-2001  
 SUBDIVISION PLAN CHECKING SECTION DATE



SANITARY SEWER EASEMENT DATA

| NO. | BEARING / Δ   | RADIUS | LENGTH  | TAN. |
|-----|---------------|--------|---------|------|
| 1   | N 21°26'36" W |        | 10.00'  |      |
| 2   | N 68°33'22" E |        | 245.13' |      |
| 3   | N 54°08'31" W |        | 11.88'  |      |
| 4   | N 68°33'22" E |        | 251.55' |      |

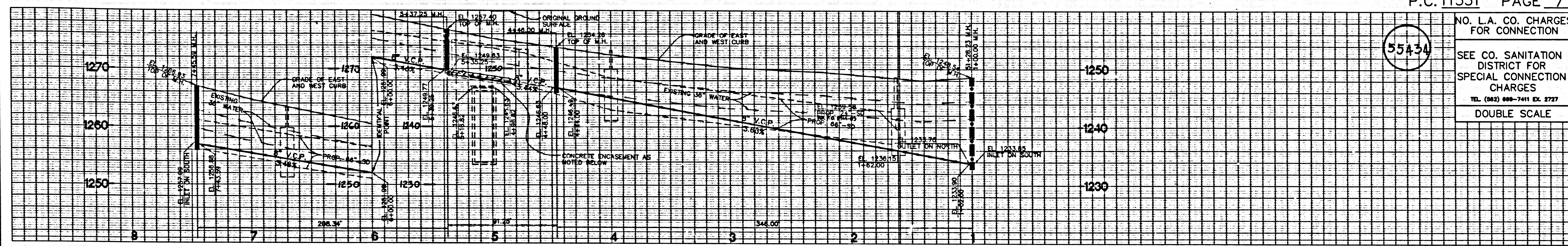
NO. L.A. CO. CHARGES FOR CONNECTION  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (862) 698-7411 EX. 2727  
 DOUBLE SCALE



PLAN SCALE: 1" = 40'

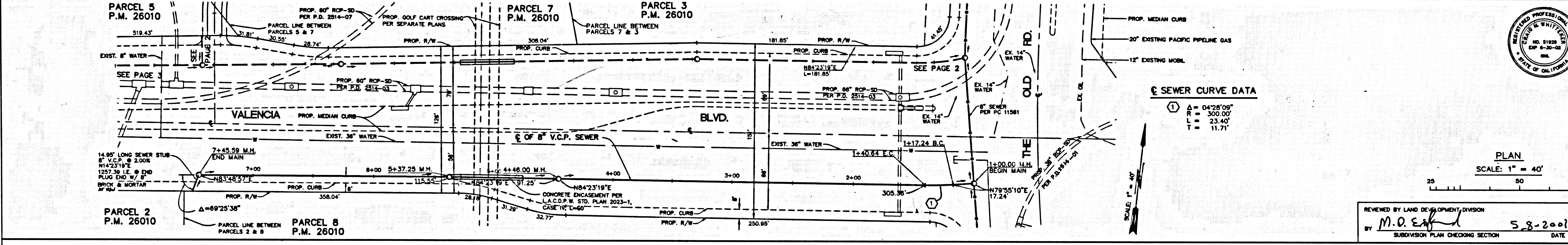
REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY M. D. Egan 5-8-2001  
 SUBDIVISION PLAN CHECKING SECTION DATE

ISSUE NO PERMITS - STREET MUST BE DOUBLE LINED



P.C.11531 PAGE 7  
 NO. L.A. CO. CHARGES FOR CONNECTION  
 55434  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (862) 688-7411 EX. 2727  
 DOUBLE SCALE

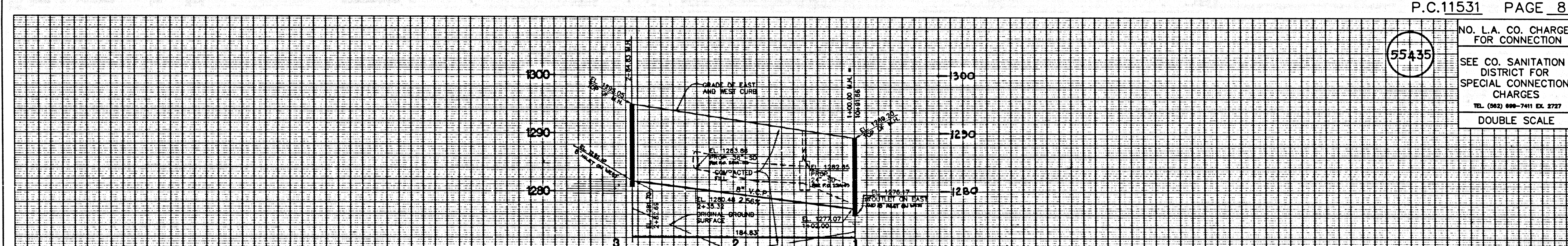
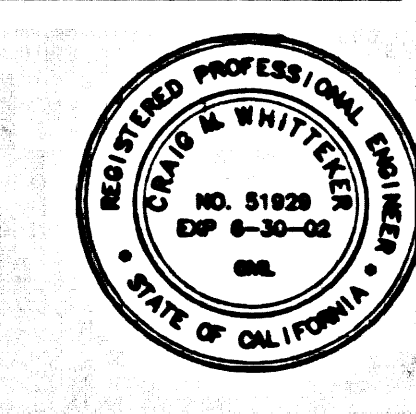
B.C. 11231



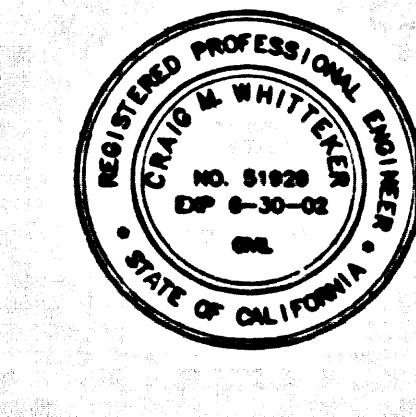
SEWER CURVE DATA  
 ① Δ = 04°28'05"  
 L = 23.40'  
 T = 11.71'

PLAN  
 SCALE: 1" = 40'  
 25 50 100

REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY M.O. EAK DATE 5-8-2001  
 SUBDIVISION PLAN CHECKING SECTION



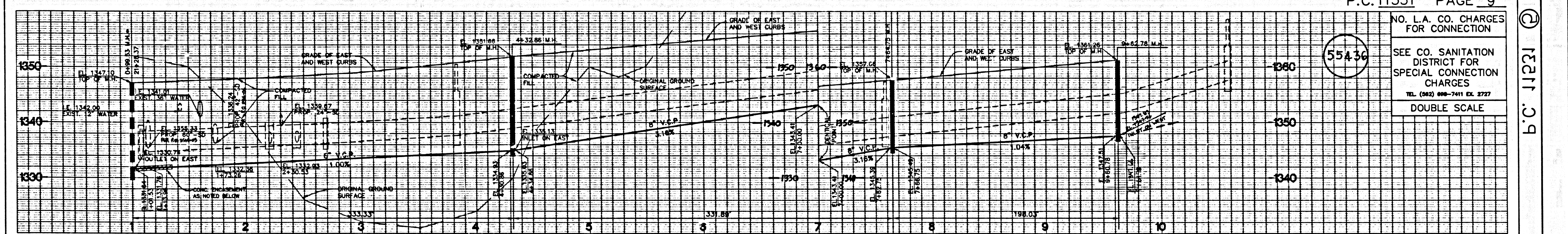
P.C.11531 PAGE 8  
 NO. L.A. CO. CHARGES FOR CONNECTION  
 55435  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (862) 688-7411 EX. 2727  
 DOUBLE SCALE



SEWER CURVE DATA  
 ① Δ = 05°49'28"  
 R = 1006.00'  
 L = 102.28'  
 T = 51.17'

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

REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY M.O. EAK DATE 5-8-2001  
 SUBDIVISION PLAN CHECKING SECTION



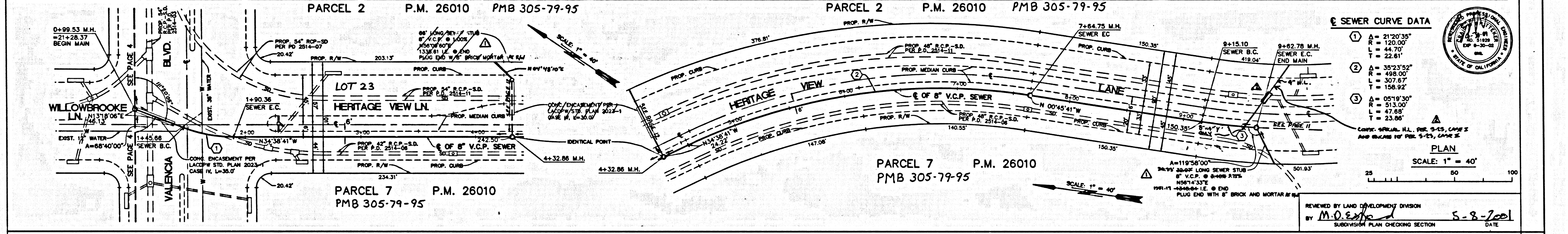
NO. L.A. CO. CHARGES FOR CONNECTION

55436

SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

TEL. (802) 699-7411 EX. 2727

DOUBLE SCALE

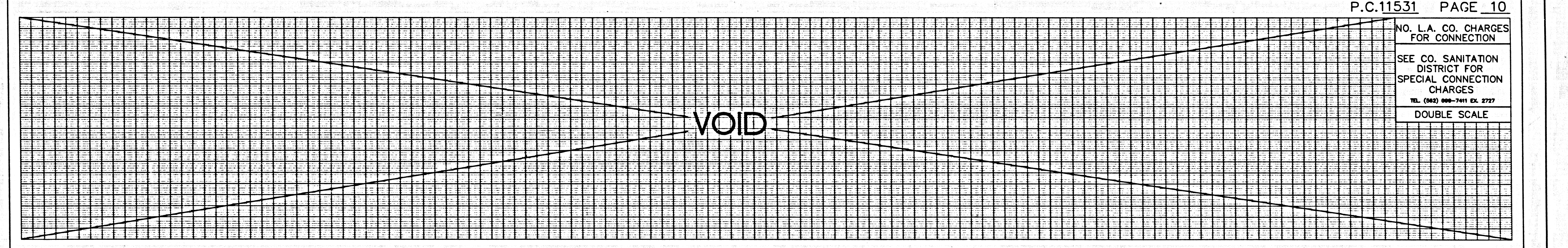


SEWER CURVE DATA

|   |               |
|---|---------------|
| 1 | A = 21'20.35" |
|   | E = 120.00'   |
|   | L = 44.70'    |
|   | T = 22.61'    |
| 2 | A = 35'23.52" |
|   | E = 498.00'   |
|   | L = 307.67'   |
|   | T = 156.92'   |
| 3 | A = 05'19.30" |
|   | E = 513.00'   |
|   | L = 47.68'    |
|   | T = 23.86'    |

PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION  
BY: M.D. [Signature] DATE: 5-8-2001



NO. L.A. CO. CHARGES FOR CONNECTION

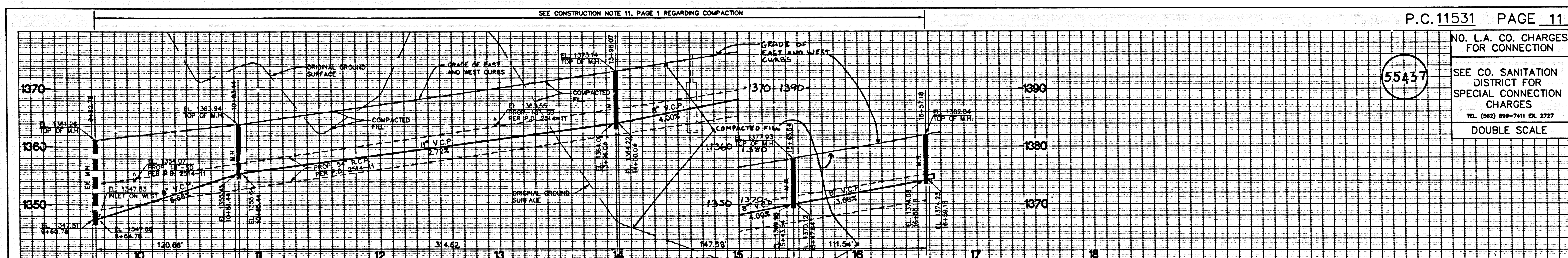
SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

TEL. (802) 699-7411 EX. 2727

DOUBLE SCALE

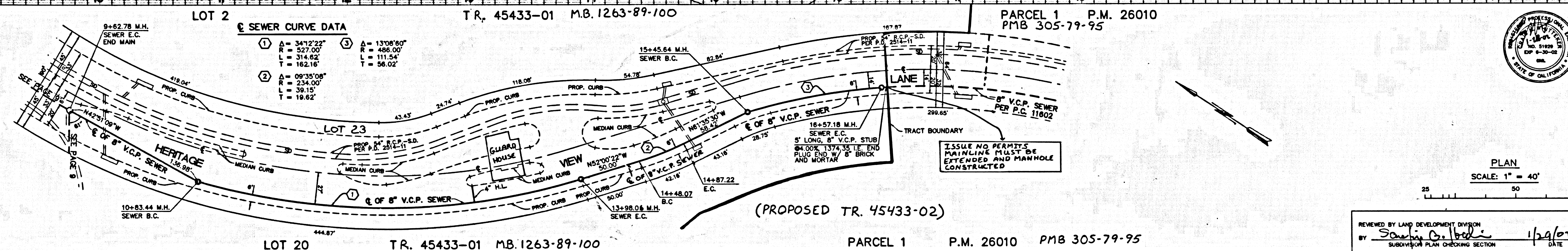
PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION  
BY: SUBDIVISION PLAN CHECKING SECTION DATE:

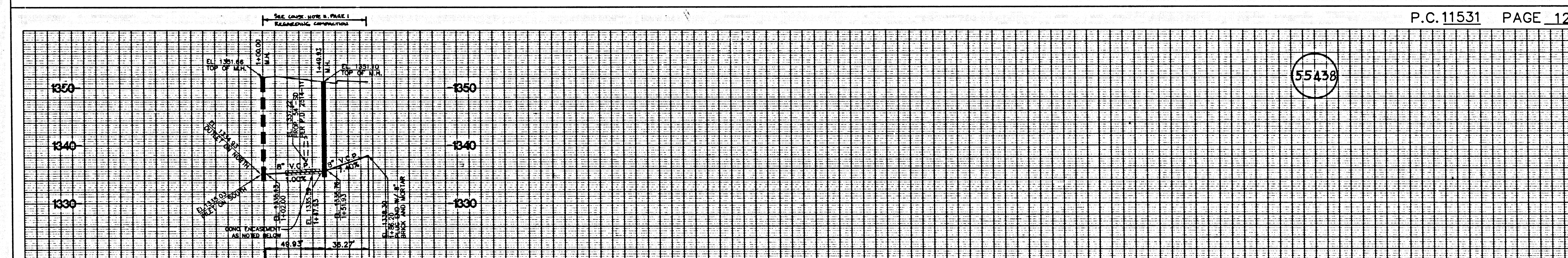


P.C. 11531 PAGE 11  
 NO. L.A. CO. CHARGES FOR CONNECTION  
 55437  
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES  
 TEL. (805) 898-7411 EX. 2727  
 DOUBLE SCALE

P.C. 11531

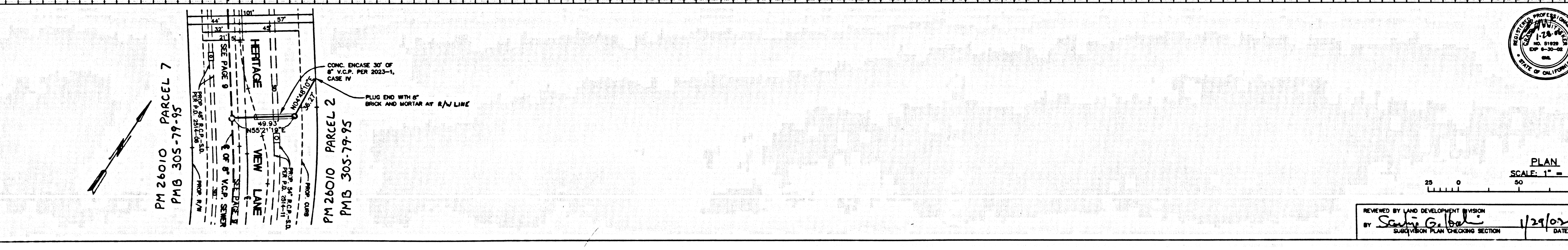


PLAN  
 SCALE: 1" = 40'  
 25 50 100  
 REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY *Sarah G. Baker* 1/29/02  
 SUBDIVISION PLAN CHECKING SECTION DATE



P.C. 11531 PAGE 12  
 55438

P.C. 11531



PLAN  
 SCALE: 1" = 40'  
 25 50 100  
 REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY *Sarah G. Baker* 1/29/02  
 SUBDIVISION PLAN CHECKING SECTION DATE