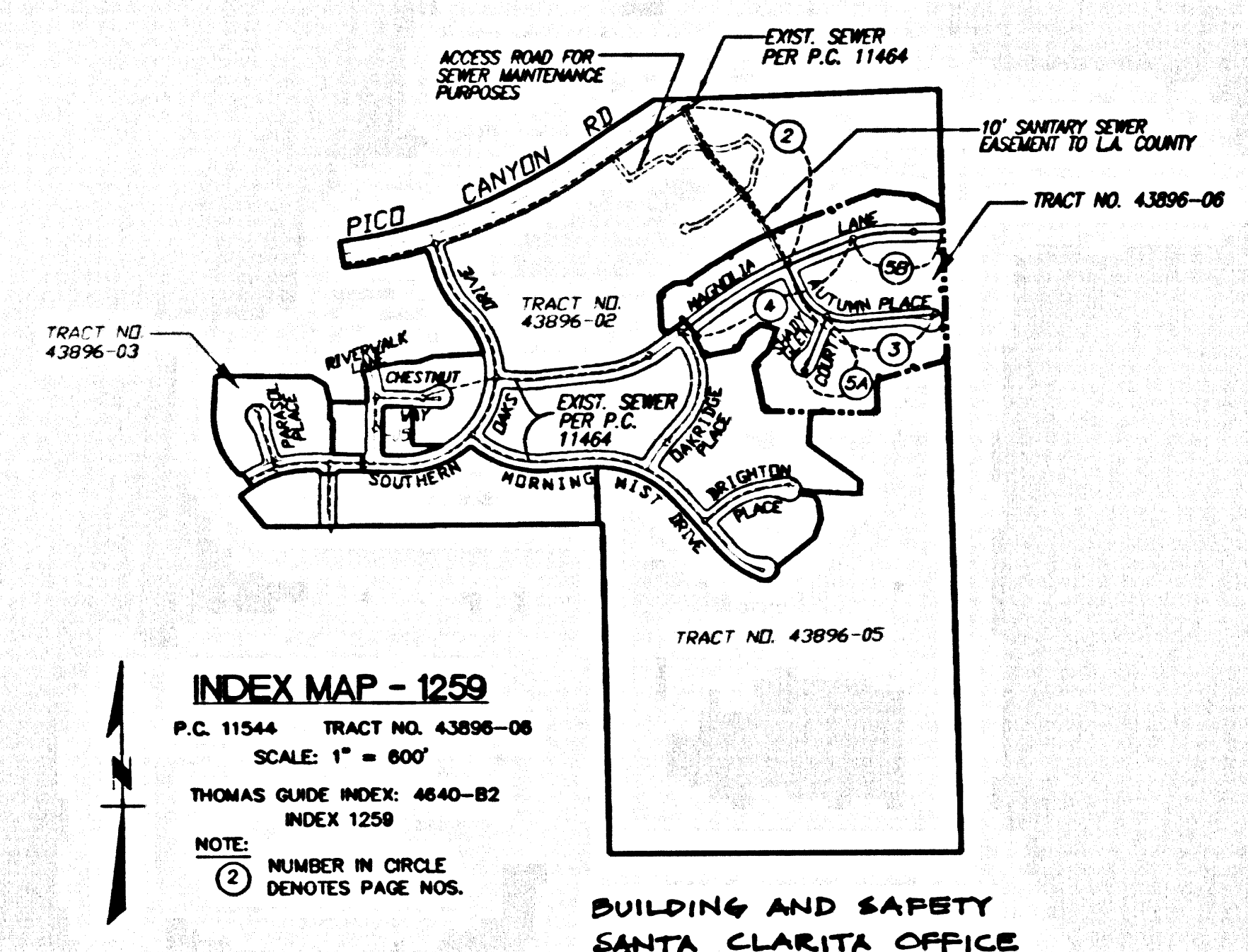


BENCH MARK: L 3026
 RDM TAS IN S GB 8.2 M W/O BCR @
 5M COR LYONS AVE & WILEY CTR RD
 30.5M W/O @ 12.2M S/O CAL INT (NR M END GB)
 NENHALL 1945 ELEV = 1265.246



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.
- Stockpiles 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 retain concrete wastes on site until they can be disposed of as solid wastes.
- Trash and construction-related solid wastes must be deposited into a covered receptacle to prevent contamination of contractor 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.

- | | |
|---|--|
| 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 |
| CA015 - Solid Waste Management | ESC22 - Temporary Stream Crossing |
| CA021 - Hazardous Waste Management | ESC23 - Construction Road Stabilization |
| CA023 - Concrete Waste Management | ESC24 - Stabilized Construction Entrance |
| CA024 - Sanitary/Septic Waste Management | ESC25 - Storm Drain Inlet Protection |
| CA030 - Vehicle and Equipment Cleaning | |
| CA031 - Vehicle and Equipment Fueling | |
| CA032 - Vehicle and Equipment Encasement | |
| ESC01 - Scheduling | |
| 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 221-1 PIPE ANCHORS AND BACKFILL STABILIZERS
 APWA 222-0 HOUSE CONNECTION SEWER
 APWA 223-0 HOUSE CONNECTION REMODELING
 APWA 224-1 LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS
 2000-0 RECORD FOR SEWER PIPE
 2001-0 CURBS
 2024-0 WIRE OR TIE SUPPORT
 2027-0 ALLOWABLE TRENCH NOTHS
 2023-1 CRADING & ENCASEMENT

NOTE:
 ISSUE NO HOUSE LATERAL CONNECTION PERMITS UNTIL OUTLET P.C. 11464 IS ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.

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.
 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) 206-4683 SO THAT REQUIRED INSPECTION CAN BE MADE.

THIS SEWER DESIGN CONTRACT ACCEPTED FOR PUBLIC USE
 06/14/2005
 COUNTY OF LOS ANGELES
 DEPARTMENT OF PUBLIC WORKS
 LAND DEVELOPMENT DIVISION

PRIVATE CONTRACT SEWER GENERAL NOTES

- The following general notes are to be included on Page 1 of all Private Contract Sewer Plans:
 A sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the Department of Public Works of the Permit Counter, 900 South Fremont Avenue, 8th Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits such as Flood Elevation, Cultural, 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 cancellation of policy.
 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 poles.
 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.
 Elevation one or 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 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 "Y" or "T" connections and shall provide stakes for them at their proper locations with stationing plainly marked. All 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 required 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 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 centerline of each manhole.
 - Verified dry pipe joints shall be type "D" or "G" per standard specifications section 208-2.
 - If a pipe 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 dry pipe 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 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-8, 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 306-13.4 of the standard specification will be required for backfill in street certification of backfill compaction and soil equipment by a qualified civil engineer shall be provided for the manhole prior to the issuance of a certificate of partial acceptance.
 - 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 six inches above finished grade.
 - Sewers to be tested for leakage per section 306-17.4 of the standard specifications and special provisions.

PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS

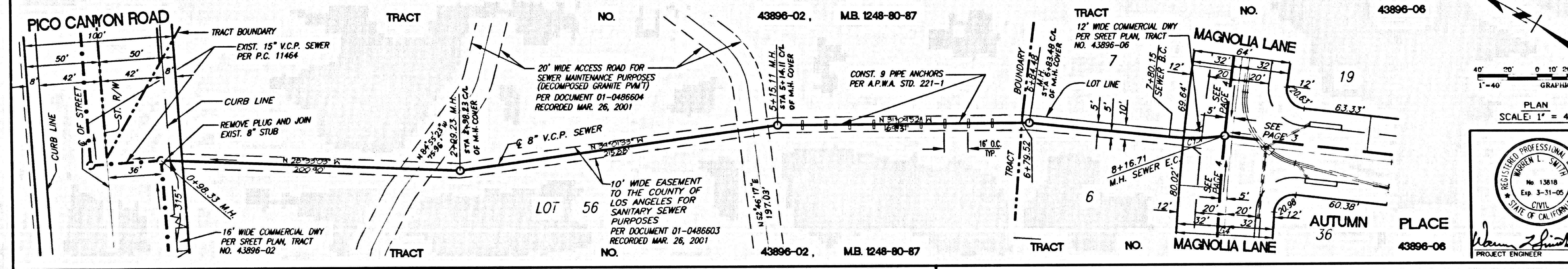
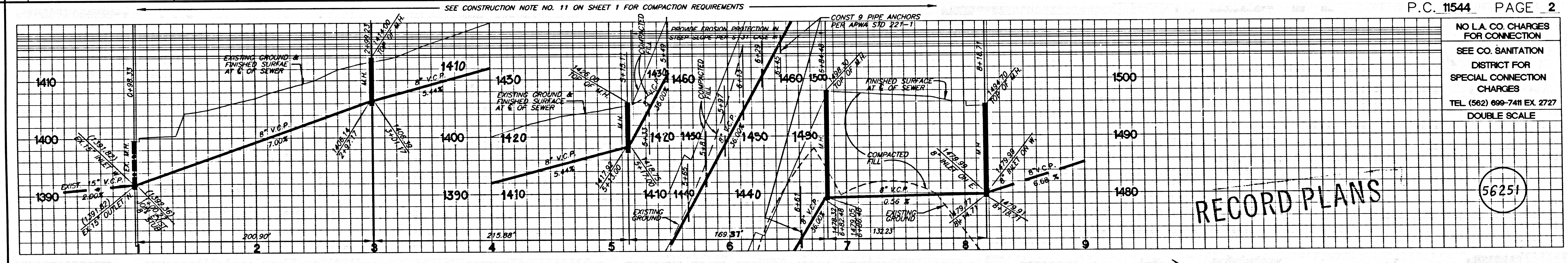
TO BE CONSTRUCTED IN
 TRACT NO. 43896-06 PC NO. 11544
 3 SHEETS 5 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA

INDEX 1259
 JAMES A. NOTES DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 BY Thomas W. Hargrave 4/12/01
 ASSISTANT DIVISION CHIEF DATE
 SUBMITTED BY [Signature] 4/10/01
 SUBVISION PLAN CHECKING SECTION DATE

APPROVED: COUNTY SANITATION DISTRICT 56250
 OF LOS ANGELES CALIF.
 JAMES F. STANE - CHIEF ENGINEER AND GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 32
 BY [Signature] DATE: 4/10/01
 OFFICE CHIEF

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 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. PAUL CUMMINGS OF GENERAL TELEPHONE COMPANY AT 1-800-948-4671 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
 Wm. Schmitt 4/10/01
 RCE NO. 13818 DATE

NO.	REVISION	REVISED BY	APPROVED BY	DATE



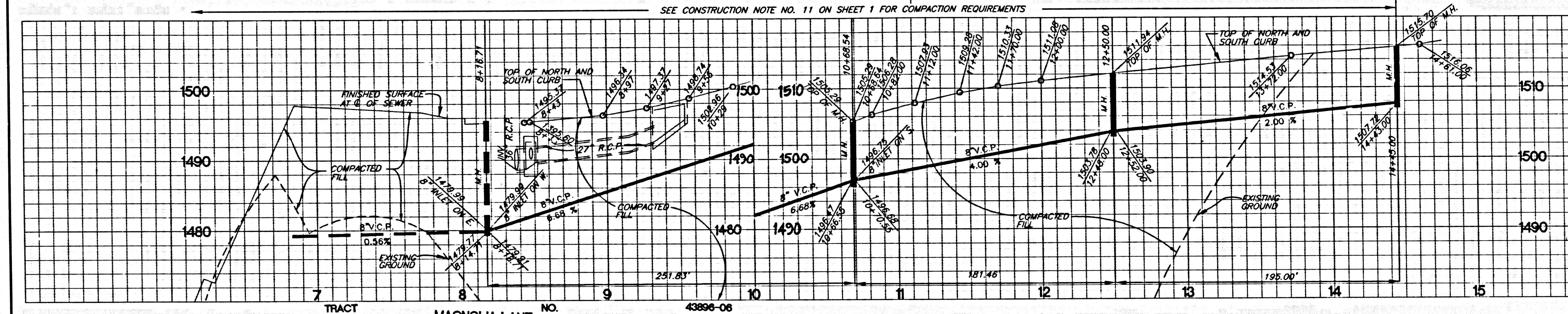
CURVE DATA:

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	13°57'56"	150.00'	36.56'	18.37'

SANITARY SEWER PLANS IN TRACT NO. 43896-06 PC NO. 11544
 REVIEWED BY LAND DEVELOPMENT DIVISION
 BY M.D. [Signature] 4-11-01
 SUBMITTED BY PLAN CHECKING SECTION DATE
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
SR CONSULTANTS, INC.
 ENGINEERING LAND PLANNING LAND SURVEYING
 2698 MATARO STREET PASADENA, CALIFORNIA 91107-3112
 Phone: (626) 653-0430
 PROJECT ENGINEER DATE TRACT NO. 43896-06

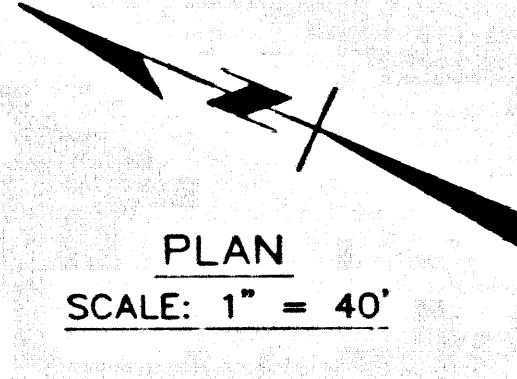
RECORD PLANS 56251

44217 2.9 80-0884 4284 ON TRACT



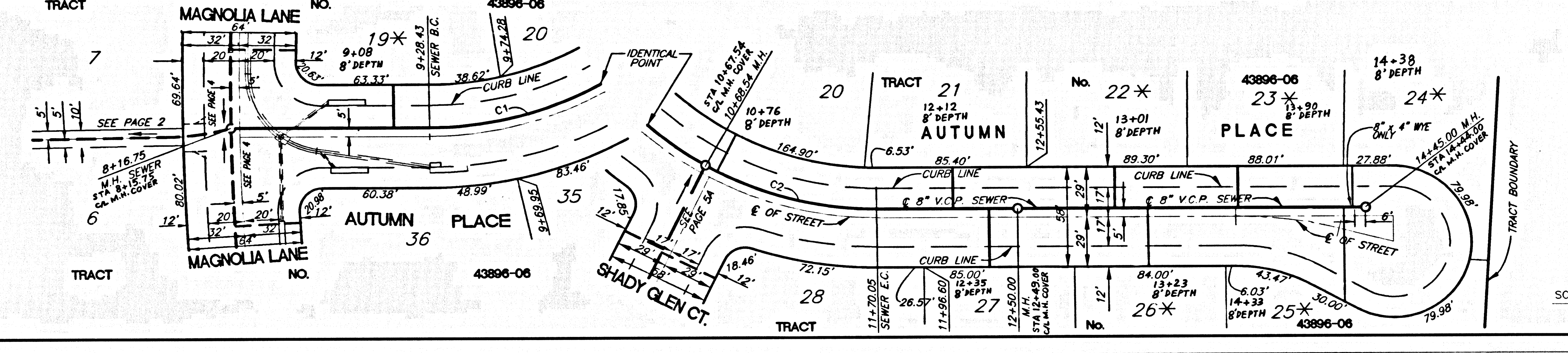
NO L.A. CO. CHARGES FOR CONNECTION
 SEE CO. SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (562) 699-7411 EX. 2727
 DOUBLE SCALE

RECORD PLANS



PLAN SCALE: 1" = 40'

* INDICATES BACKWATER VALVES MAY BE REQUIRED FOR THESE LOTS.



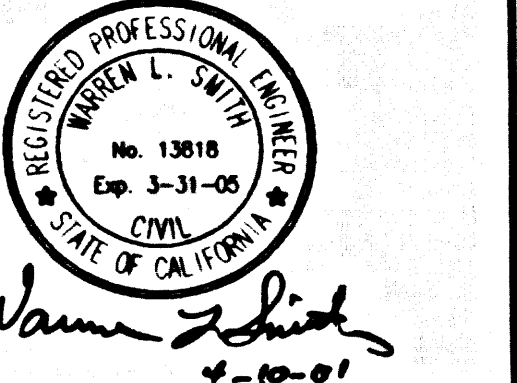
CURVE DATA:

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	41°10'18"	195.00'	140.11'	73.24'
C2	29°49'15"	195.00'	101.50'	51.92'



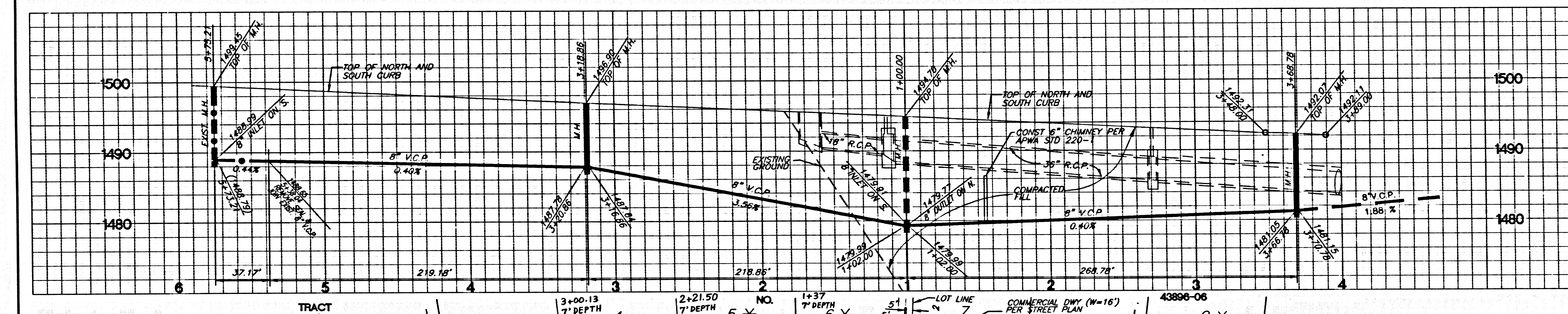
PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY M.D. [Signature] DATE 4-11-01
 SUBDIVISION PLAN CHECKING SECTION



56252

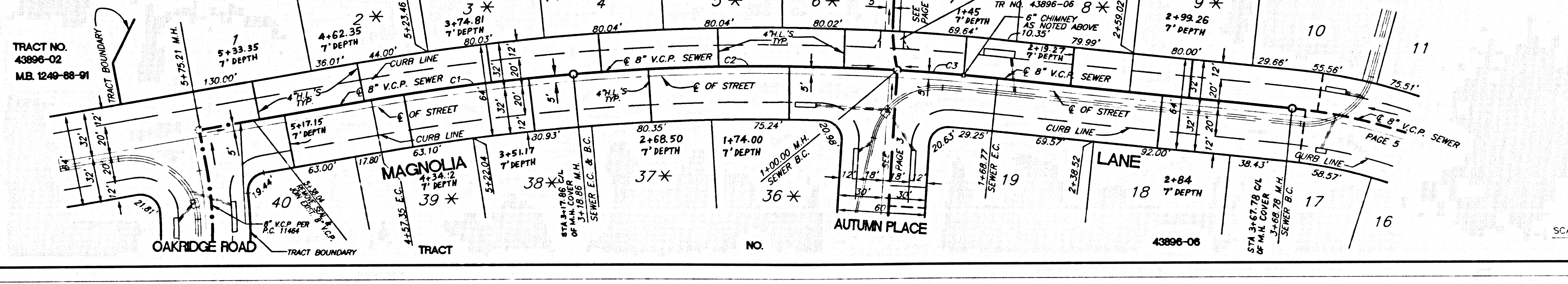
APPROVED FOR RECORD ON TRACT



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

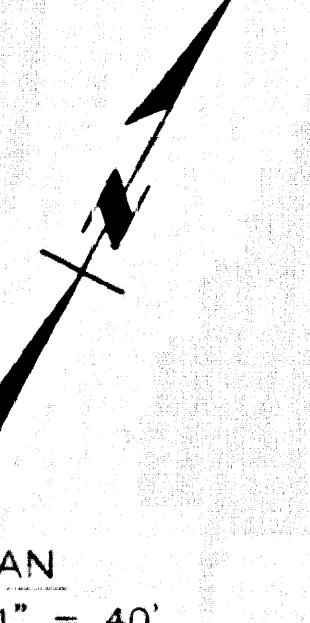
RECORD PLANS

TRACT NO. 43896-02
 M.B. 1249-88-91



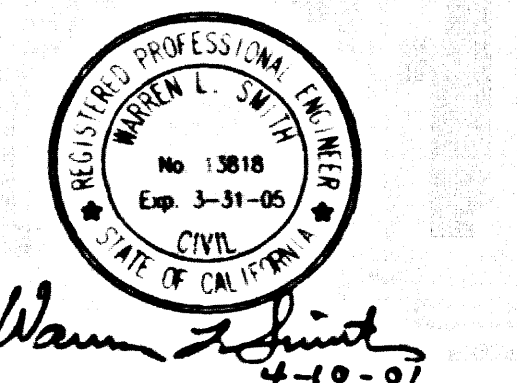
CURVE DATA:

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	05°16'20"	1505.00'	138.49'	69.29'
C2	08°20'02"	1505.00'	218.86'	109.65'
C3	02°37'01"	1505.00'	68.77'	34.37'

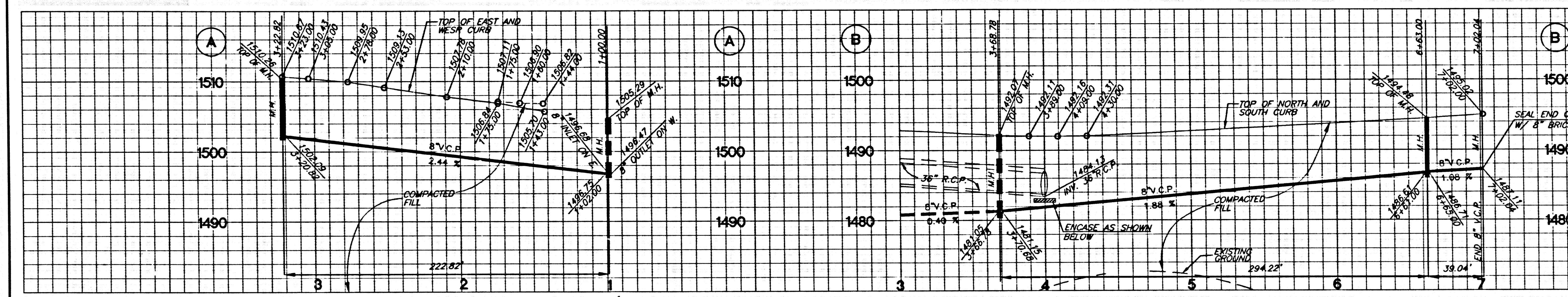


PLAN SCALE: 1" = 40'

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY M.D. [Signature] DATE 4-11-01
 SUBDIVISION PLAN CHECKING SECTION

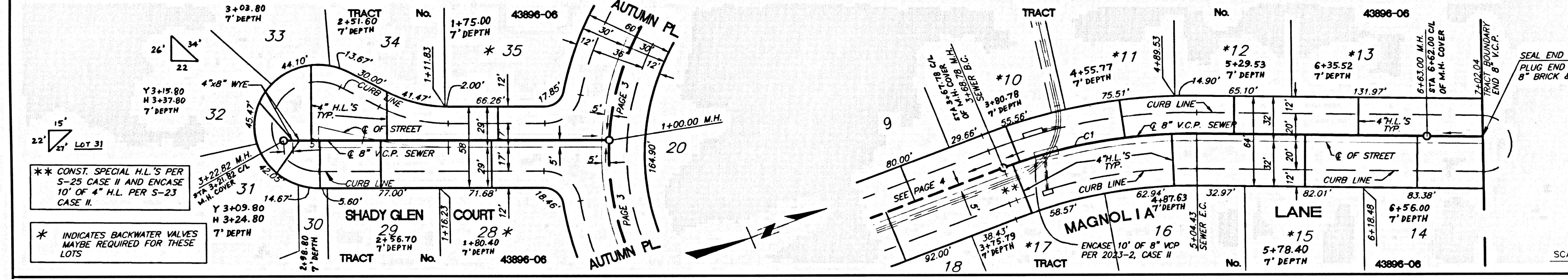


56252



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

RECORD PLANS



CURVE DATA:

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	21°53'38"	355.00'	135.65'	68.66'

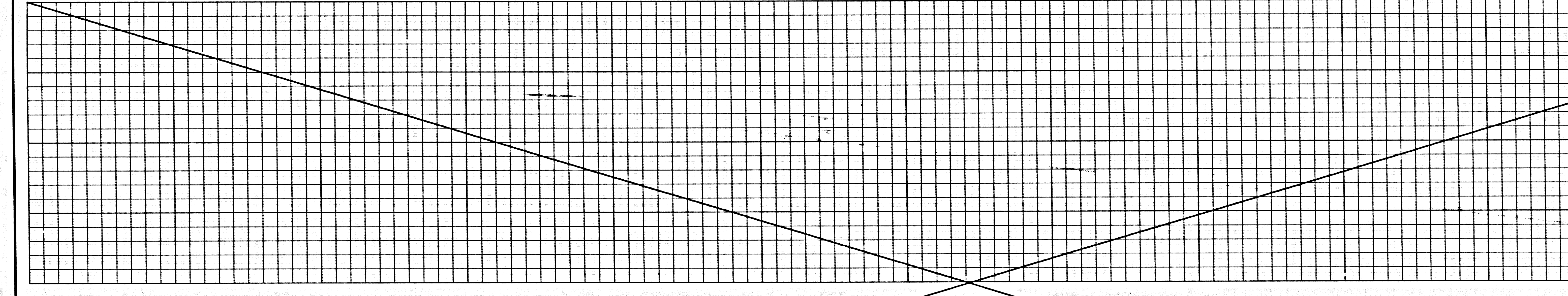
** CONST. SPECIAL H.L.'S PER S-25 CASE II AND ENCASE 10' OF 4" H.L. PER S-23 CASE II.
 * INDICATES BACKWATER VALVES MAYBE REQUIRED FOR THESE LOTS.

56254

PROFESSIONAL ENGINEER
 No. 12818
 Exp. 3-31-05
 CIVIL
 W. J. [Signature]

REVIEWED BY LAND DEPARTMENT DIVISION
 BY: M.D. [Signature] 4/16/04
 SUBDIVISION PLAN CHECKING SECTION

PLAN SCALE: 1" = 40'



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

REVIEWED BY LAND DEPARTMENT DIVISION
 BY: [Signature]
 SUBDIVISION PLAN CHECKING SECTION

PART C.9 80-0882A ON TRACT