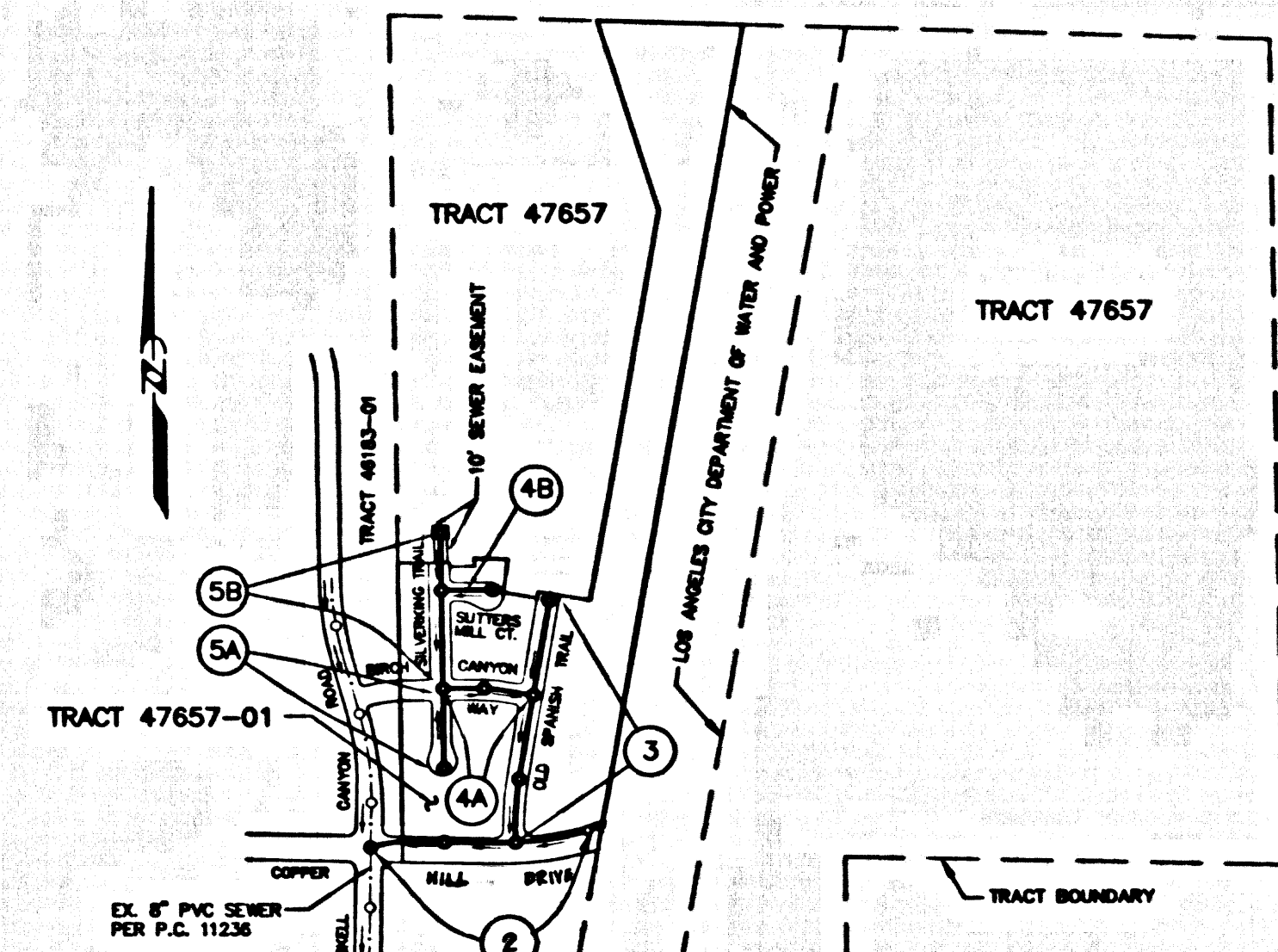


BENCH MARK
 NEWHALL (1995)
 DFW BM TAG IN S CB 14FT W/O BCR AT SW COR
 COPPER HILL DR & HASKELL CYN RD 80FT W AND
 32FT S/O C/L INT (NR W END C B)
 ELEV. 1376.690 B.M. NO. L 5328



NOTE: NUMBERS IN CIRCLE INDICATES PAGE NUMBER
KEY MAP
 SCALE 1" = 600'
 P.C. 11412 TRACT NO. 47657-01
 THOMAS GUIDE PAGE 4481-B4, Index 1332

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 by sheet flow, rills, or other 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 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 "convector and dispersed by wind.
- Sediments and other materials may not be trucked 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 - SEWERAGE OPERATIONS | ESC10 - SEEDING AND PLANTING |
| CA002 - PAVING OPERATIONS | ESC11 - MULCHING |
| CA003 - STRUCTURE CONSTRUCTION AND PAINTING | ESC20 - GUTTERILES 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 |
| CA023 - SANITARY/SEPTIC WASTE MANAGEMENT | ESC25 - STORM DRAIN INLET PROTECTION |
| CA030 - VEHICLE AND EQUIPMENT CLEANING | |
| CA031 - VEHICLE AND EQUIPMENT MAINTENANCE | |
| CA032 - SCHEDULING | |
| CA033 - 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
- | | |
|---|-----------------|
| LEGEND | 2000-0 |
| MINIMUM PUBLIC SAFETY REQUIREMENTS | 6008-0 |
| BRICK MANHOLE | 2013-0 |
| STANDING MANHOLE STEP | 2021-0 |
| BEDDING FOR SEWER PIPE | 2022-0 |
| CRACKING AND ENCASEMENT | 2023-0 |
| WYE OR TEE SUPPORT | 2024-0 |
| ALLOWABLE TRENCH WIDTHS | 2027-0 |
| LOCKING MANHOLE FRAME AND COVER | 2010-0 |
| NON-REINFORCED PRECAST CONCRETE MANHOLE | 2019-0 |
| BREAK INTO EXISTING MANHOLE | 2026-0 (S-25'*) |
| SPECIAL HOUSE LATERALS | 2026-0 |
| EROSION PROTECTION IN STEEP SLOPES | 2026-0 |
| ANCHOR BLOCKING CASING FOR SEWER PIPE | 2026-0 |
| CHIMNEYS | 2026-0 |
| RECTANGULAR SHALLOW MANHOLE | 2026-0 |
- * S-25' OR S-16 & S-32

CITY OF SANTA CLARITA
 DISCHARGE APPROVAL ONLY
 T. BRAD THERRIEN ASST. CITY ENGINEER PE 1/14/99

ISSUE NO H.L. CONNECTION PERMITS UNTIL OUTLET SEWER P.C. 14236 IS ACCEPTED FOR PUBLIC USE BY LOS ANGELES COUNTY.

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 at the Permit Counter, 800 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 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 named 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, 1200 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 the project. This note applies to all pages.
 - 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 presented 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 rebar 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 said designated points.
 - The private engineer shall furnish the Department of Public Works with grade sheets and profiles for all house laterals and "Y" or "T" branches and shall provide stakes for their proper locations with the following information: all house laterals shall be constructed in a straight alignment of right angle from the main line sewer except as shown on the plans. House laterals from driveway 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 each house lateral on the grade sheet.

CONSTRUCTION NOTES

- Provide survey stakes on the property line or property lines at property line below the top of the centerline of each manhole.
- Verified clay pipe joints shall be type "U" or "Q" per standard specifications section 208-2.
- If a sewer 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 pipe shall be made with a rubber sleeve joint, type "U" (with bushing if necessary) per standard specifications section 208-2.
- House laterals to be constructed with inverts of the property line 8 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 pipe shall be encased per standard plan S-23, case I, 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 branches within paved areas to meet Los Angeles County Public Works or California State Highway requirements in accordance with the permits.
- Full compliance with section 308-1.3.4 of the standard specification will be required for backfill in street certification of backfill composition and sand equivalent 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 "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 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.

PAGE 1
 PROFILE, ALIGNMENT AND GRADE OF
SANITARY SEWERS 54744

TO BE CONSTRUCTED IN
 TRACT NO. 47657-01 PC NO. 11412
 3 SHEETS: 5 PAGES (Index 1332)
 COUNTY OF LOS ANGELES CALIFORNIA

HARRY W. STONE DIRECTOR OF PUBLIC WORKS
 APPROVED: BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
 BY: *Scott D. Anderson* 2-11-99
 SUBMITTED BY: *Phil Boudar* 2/11/99
 EXHIBITION PLAN CHECKING SECTION

APPROVED: COUNTY SANITATION DISTRICT
 OF LOS ANGELES CALIF.
 CHARLES W. CARRY - CHIEF ENGINEER AND GENERAL MANAGER
 COUNTY SANITATION DISTRICT NO. 28

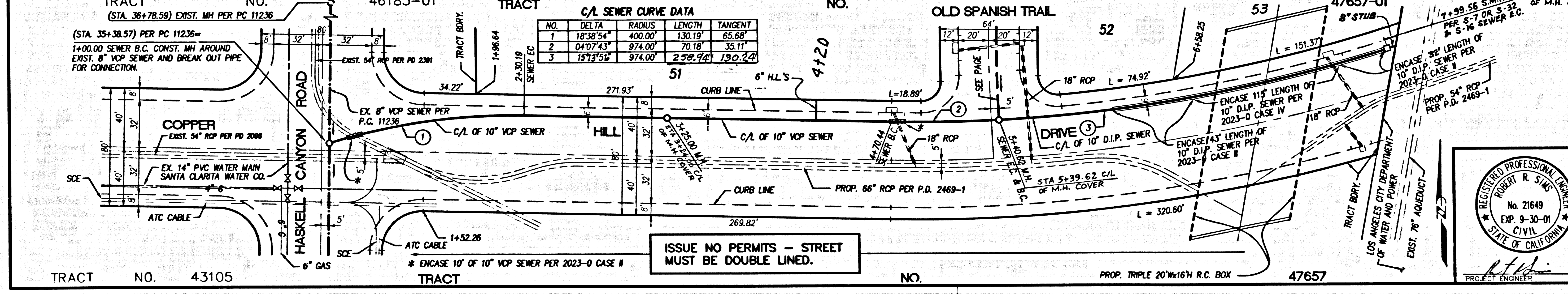
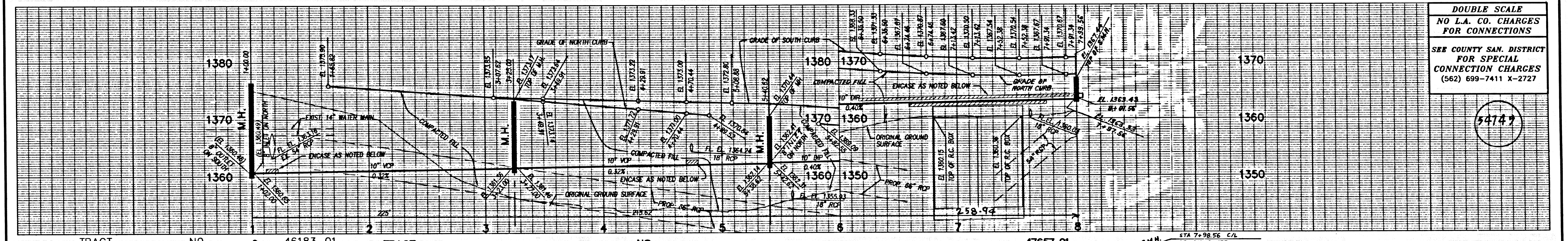
DATE: 2-12-99
 BY: *Thomas J. Frazier* DATE: 2-12-99
 CIVIL ENGINEER

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 MAP. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TOLL FREE TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL THE RAY COMPANY OF GENERAL TELEPHONE COMPANY AT 1-800-548-6871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

DATE: 10/11/98
 RE: NO. 21649

P.C. 11412 PAGE 2



DOUBLE SCALE
 NO L.A. CO. CHARGES FOR CONNECTIONS
 SEE COUNTY SAN. DISTRICT FOR SPECIAL CONNECTION CHARGES (562) 699-7411 X-2727

SCALE: VERT: 1" = 8'
 HORIZ: 1" = 40'

SCALE: VERT: 1" = 8'
 HORIZ: 1" = 40'

SANITARY SEWER PLANS IN TRACT NO. 47657-01 PC NO. 11412

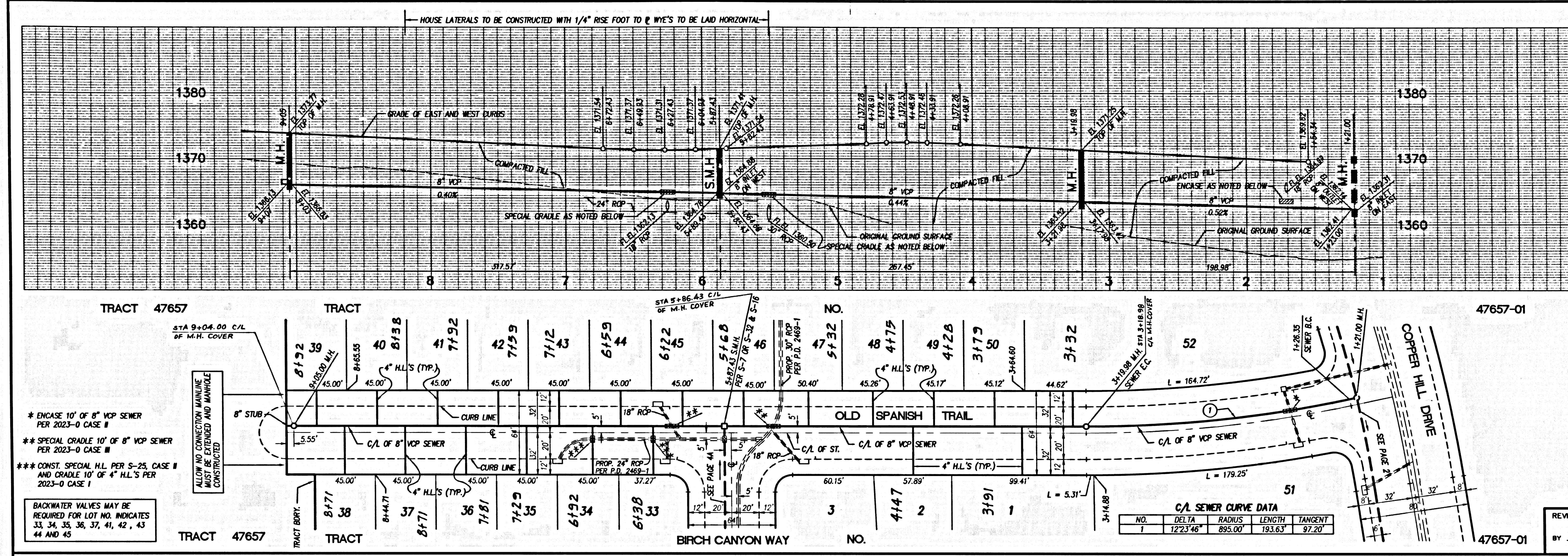
REVIEWED BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
 BY: *Sandy G. Galis* 2/11/99
 SUBMISSION PLAN CHECKING SECTION DATE

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

LDC LAND DESIGN CONSULTANTS, INC.
 Land Planning, Civil Engineering, Surveying & Environmental Services

225 South Lake Avenue, Suite 600
 Pasadena, Ca 91101
 (626) 578-7000

R.C.E. No. 21849 Date: 10/11/98
 PROJECT NUMBER: DATE: DWG: 96012-003 Project No.



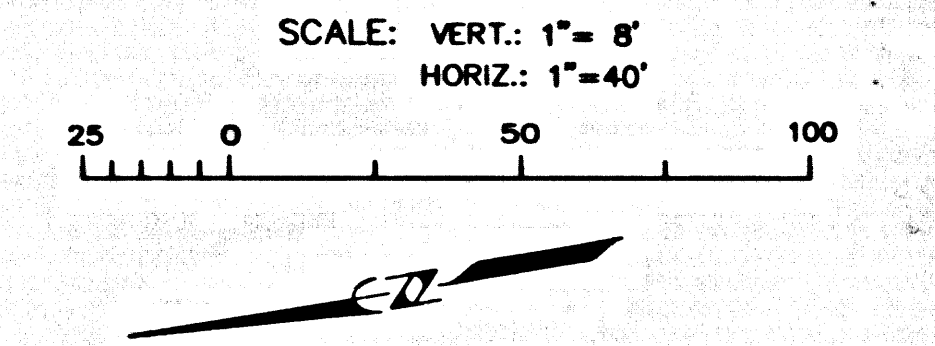
DOUBLE SCALE
NO L.A. CO. CHARGES
FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT
FOR SPECIAL
CONNECTION CHARGES
(562) 699-7411 X-2727

54746

- * ENCASE 10' OF 8" VCP SEWER PER 2023-0 CASE #
 - ** SPECIAL CRADLE 10' OF 8" VCP SEWER PER 2023-0 CASE #
 - *** CONST. SPECIAL H.L. PER S-25 CASE # AND CRADLE 10' OF 4" H.L.'S PER 2023-0 CASE #
- BACKWATER VALVES MAY BE REQUIRED FOR LOT NO. INDICATES 33, 34, 35, 36, 37, 41, 42, 43 44 AND 45

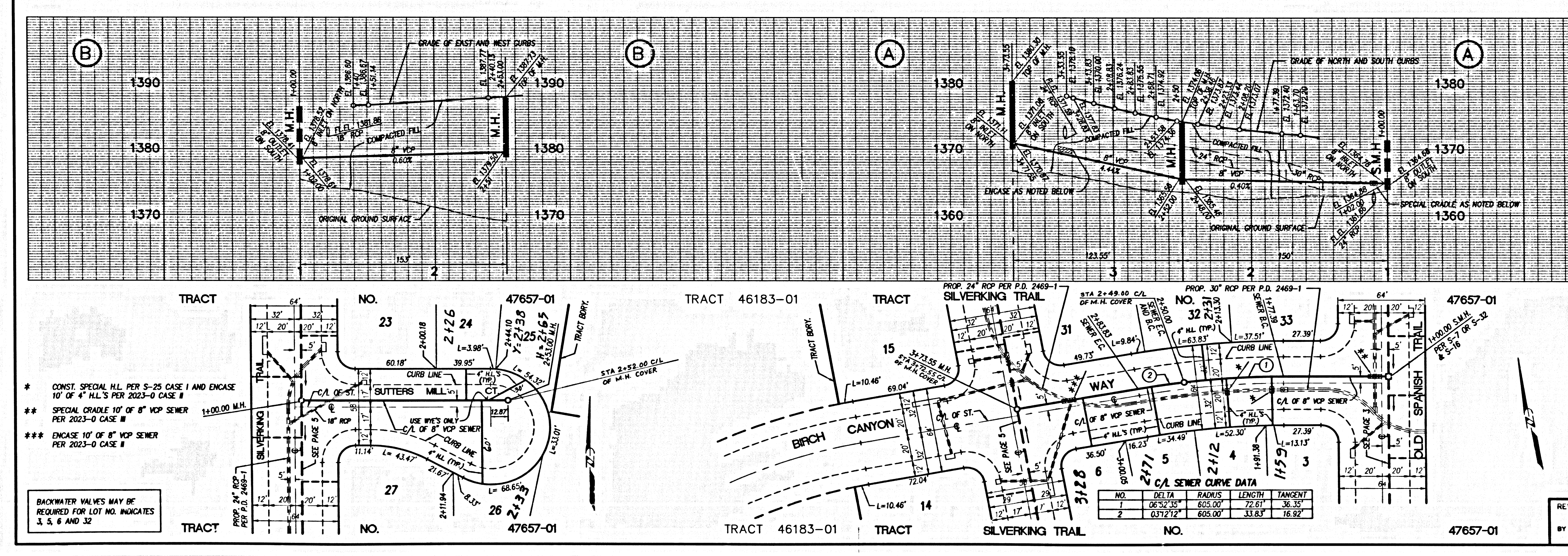
C/A SEWER CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
1	123.14°	685.00'	193.63'	97.20'



REGISTERED PROFESSIONAL ENGINEER
R. STANG
No. 21649
EXP. 9-30-01
CIVIL
STATE OF CALIFORNIA

REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
BY *Santia G. Halls* 2/11/99 DATE



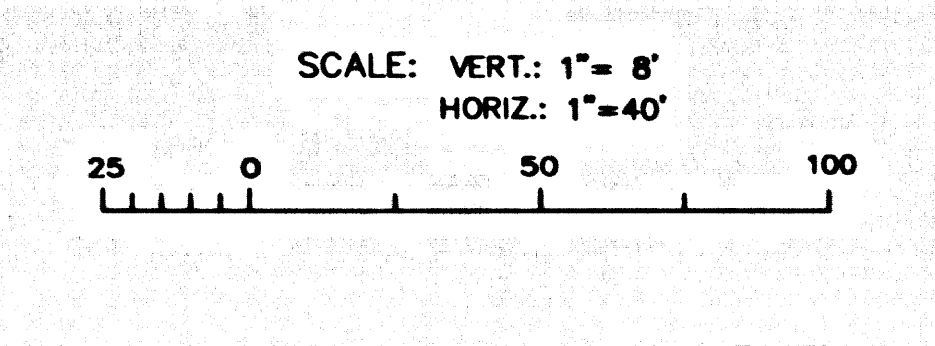
DOUBLE SCALE
NO L.A. CO. CHARGES
FOR CONNECTIONS
SEE COUNTY SAN. DISTRICT
FOR SPECIAL
CONNECTION CHARGES
(562) 699-7411 X-2727

54747

- * CONST. SPECIAL H.L. PER S-25 CASE # AND ENCASE 10' OF 4" H.L.'S PER 2023-0 CASE #
 - ** SPECIAL CRADLE 10' OF 8" VCP SEWER PER 2023-0 CASE #
 - *** ENCASE 10' OF 8" VCP SEWER PER 2023-0 CASE #
- BACKWATER VALVES MAY BE REQUIRED FOR LOT NO. INDICATES 3, 5, 6 AND 32

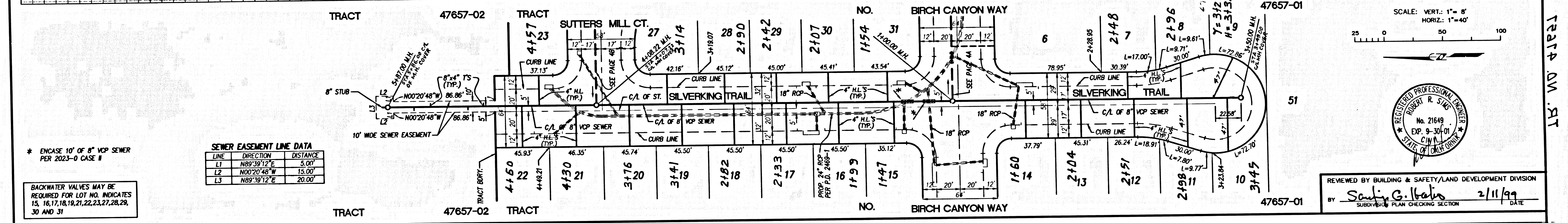
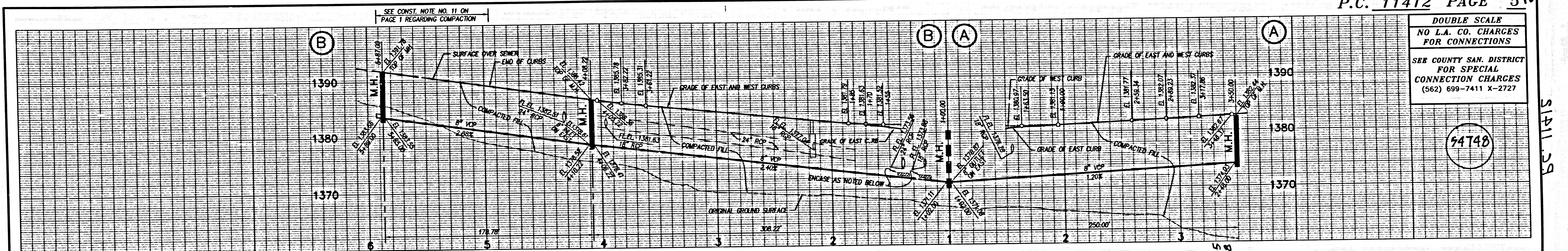
C/A SEWER CURVE DATA

NO.	DELTA	RADIUS	LENGTH	TANGENT
1	06°52'54"	605.00'	72.61'	36.33'
2	037°21'2"	605.00'	33.83'	76.92'



REGISTERED PROFESSIONAL ENGINEER
R. STANG
No. 21649
EXP. 9-30-01
CIVIL
STATE OF CALIFORNIA

REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION
BY *Santia G. Halls* 2/11/99 DATE



* ENCASE 10" OF 8" VCP SEWER PER 2023-0 CASE #

SEWER EASEMENT LINE DATA

LINE	DIRECTION	DISTANCE
L1	N89°39'12"E	5.00'
L2	N00°20'48"W	15.00'
L3	N89°39'12"E	20.00'

BACKWATER VALVES MAY BE REQUIRED FOR LOT NO. INDICATES 15, 16, 17, 18, 19, 21, 22, 23, 27, 28, 29, 30 AND 31

S111.29
TRAP AM. RT

11/20/2011 10:51:00 AM 11/20/2011 10:51:00 AM