

**BENCH MARKS**  
 BM CY 9123 Elev. 864.986  
 L & T IN N END BAS ISLAND @ SERVICE STA NO 30354 @ SEMINOLA HOT SPRINGS STORE 497T E C/L MULHOLLAND HWY 54FT S/O PP#368045E 0.35MI W/O SIERRA CREEK RD MKD (BM)  
 MALIBU QUAD 1980

NOTE: NUMBER IN CIRCLE INDICATES PAGE NUMBER.

THOMAS GUIDE PAGE: 587-04  
 INDEX 1067

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	REVISED SEWER ALIGNMENT FROM STA. 40+50.18 TO STA. 44+13.77 PAGE 2	E. J. KIM	[Signature]	4/23/02

**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 by 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 labels and are not to contribute to 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 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 discharges 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.

**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 208-1	BREAKING INTO EXISTING MANHOLES	ES10 - SEEDING AND PLANTING
APWA 222-1	HOUSE CONNECTION SEWERS	ES11 - MENDING
APWA 223-1	HOUSE CONNECTION REMODELING	ES20 - GEOTEXTILES AND MATS
APWA 225-1	BLANKET PROTECTION FOR PIPES	ES21 - DUST CONTROLS
2024-D	LEGEND FOR SANITARY SEWER PLANS AND PROFILES AND DISTRICT MAPS	ES22 - TEMPORARY STREAM CROSSING
2024-D	REVISION FOR WIRE OR TEE SUPPORT	ES23 - CONSTRUCTION ROAD STABILIZATION
2027-0	ALLOWABLE TRENCH WIDTHS	ES24 - STABILIZED CONSTRUCTION ENTRANCE
		ES24 - STORM DRAIN INLET PROTECTION

**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, Alhambra, at least 72 hours prior to starting work under this permit. Copies of 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 and the Certificate Holder to be received 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 done in 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 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 at all conform to the "Minimum Public Safety Requirements" as shown on Los Angeles Department of Public Works' Standard S-2.
- Excavations are in 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 curb, centerline of streets, or centerline of ditches, are shown by circles on profiles of 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 stationing for all house laterals and "Y" or "T" branches and shall provide grades for them at their proper locations with staking and survey markers. 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 driveways shall not have an angle of less than 45 degrees with the L.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 produced at right angles to the sewer line at the centerline of each manhole.
- Verified slope pipe joints shall be type "T" or "U" per standard specifications section 208-2.
- If a manhole is within three feet of the sewer, the sewer shall be encased per standard plan S-23, case B, 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 "T" (with bushing if necessary) per standard specifications section 208-2.
- House laterals to be constructed with inverts at the property line 8 feet below curb grade except as noted.
- Use of tee branches may be used for connections to this manhole 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 A, 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 manholes per standard plan S-8, except as noted.
- Full compliance with section 308-1.3.4 of the standard specifications shall be required for location in street crossings 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. 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 at least above related grade.
- Sewers to be tested for leakage per section 308-1/4 of the standard specifications and special provisions.
- Manhole tops in improved rights of way to be level with finished grade.

**PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS**  
 TO BE CONSTRUCTED IN  
 TRACT NO. 31234 PC NO. 11454  
 2 SHEETS: 3 PAGES  
 COUNTY OF LOS ANGELES CALIFORNIA  
 INDEX 1067

James A. Noye DIRECTOR OF PUBLIC WORKS

APPROVED BY LAND DEVELOPMENT DIVISION  
 BY Dennis F. Skowron 4/23/02  
 ASSISTANT DIVISION CHIEF

SUBMITTED BY [Signature] 4/23/02  
 SUBDIVISION PLAN CHECKING SECTION

APPROVED: LVMWD OF CALIFORNIA CALIF. BRIAN WATKIN - PRINCIPAL ENGINEER LAS VEGAS MANUNAL WATER DISTRICT 55879

BY [Signature] DATE: 4/24/02  
 PRINCIPAL 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 DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL TEL. FREE 1-800-422-4133 TO VERIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL MR. RAY CLAMANS OF GENERAL TELEPHONE COMPANY AT 1-805-948 4971 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

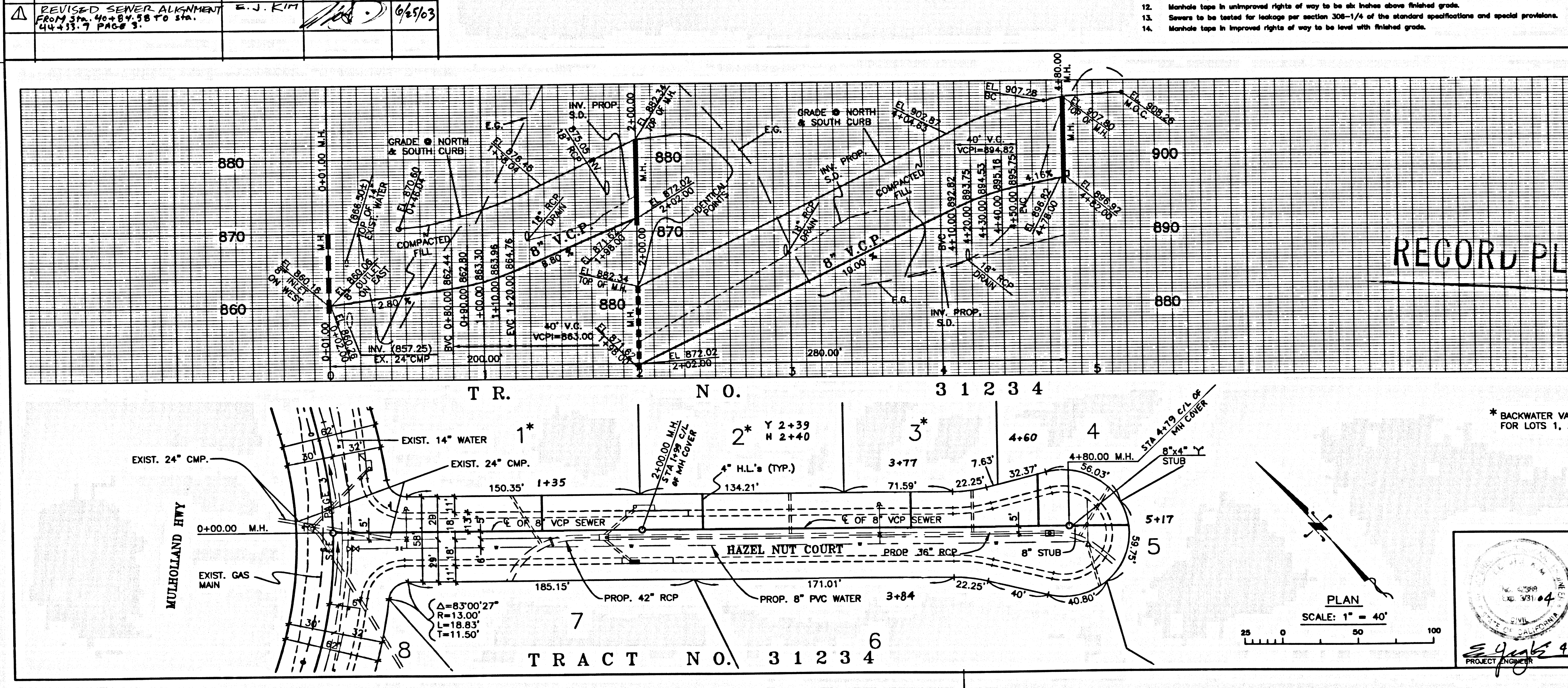
E. J. Kim 4/23/02  
 E.L.M., P.C. NO. 42388, EXP. 3/31/04 DATE

P.C. 11454 PAGE 2

NO L.A. COUNTY CHARGE FOR CONNECTION

SEE LVMWD FOR SPECIAL CONNECTION CHARGES  
 TEL. (818) 860-7110

55880



**RECORD PLANS**

NO L.A. COUNTY CHARGE FOR CONNECTION

SEE LVMWD FOR SPECIAL CONNECTION CHARGES  
 TEL. (818) 860-7110

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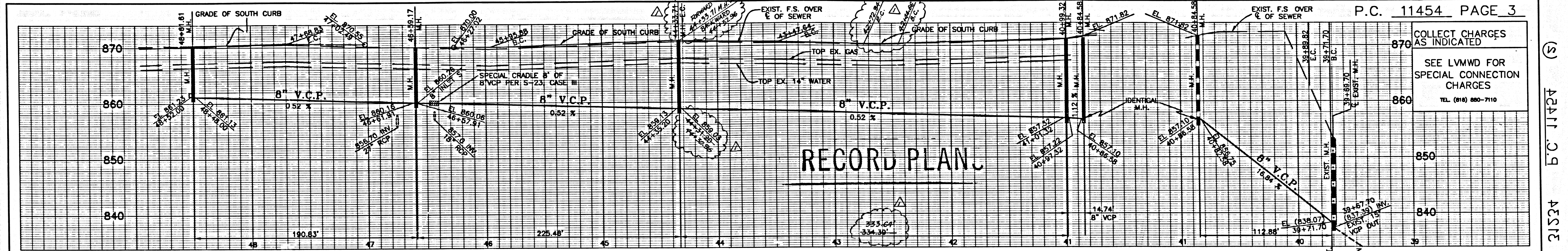
**SANITARY SEWER PLANS IN TRACT NO. 31234 PC NO. 11454**

REVIEWED BUILDING & SAFETY/LAND DEVELOPMENT DIVISION  
 BY [Signature] 4/23/02  
 SUBDIVISION PLAN CHECKING SECTION

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

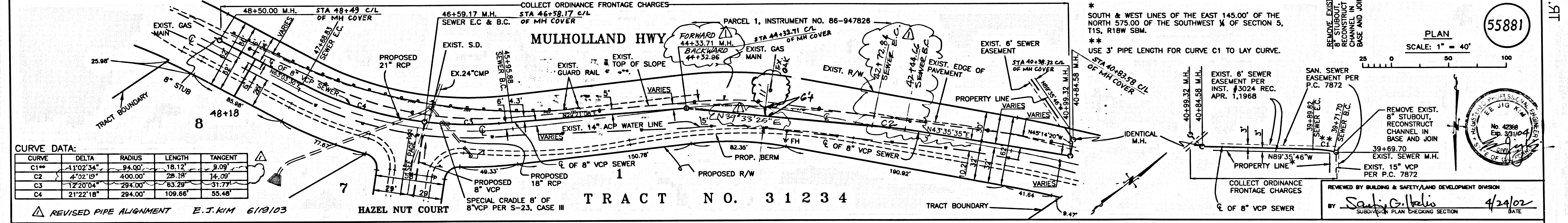
143 Triunfo Canyon Road Suite 100 Westlake Village, CA 91361 Phone: 805/496-1928 818/869-8641

E. J. Kim 4/23/02  
 REGISTERED ENGINEER NO. 42388 DATE



COLLECT CHARGES AS INDICATED  
SEE LVMWD FOR SPECIAL CONNECTION CHARGES  
TEL. (918) 800-7110

PLAN  
SCALE: 1" = 40'



CURVE DATA:

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1**	11°02'34"	84.00'	18.12'	8.09'
C2	4°02'19"	400.00'	28.18'	14.09'
C3	12°20'04"	294.00'	63.29'	31.77'
C4	21°22'18"	294.00'	109.86'	55.48'

△ REVISED PIPE ALIGNMENT E.J.KIM 6/19/03

REVIEWED BY BUILDING & SAFETY/LAND DEVELOPMENT DIVISION  
BY *Saul G. Galis* 4/29/02  
SUBDIVISION PLAN CHECKING SECTION DATE

VOID

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