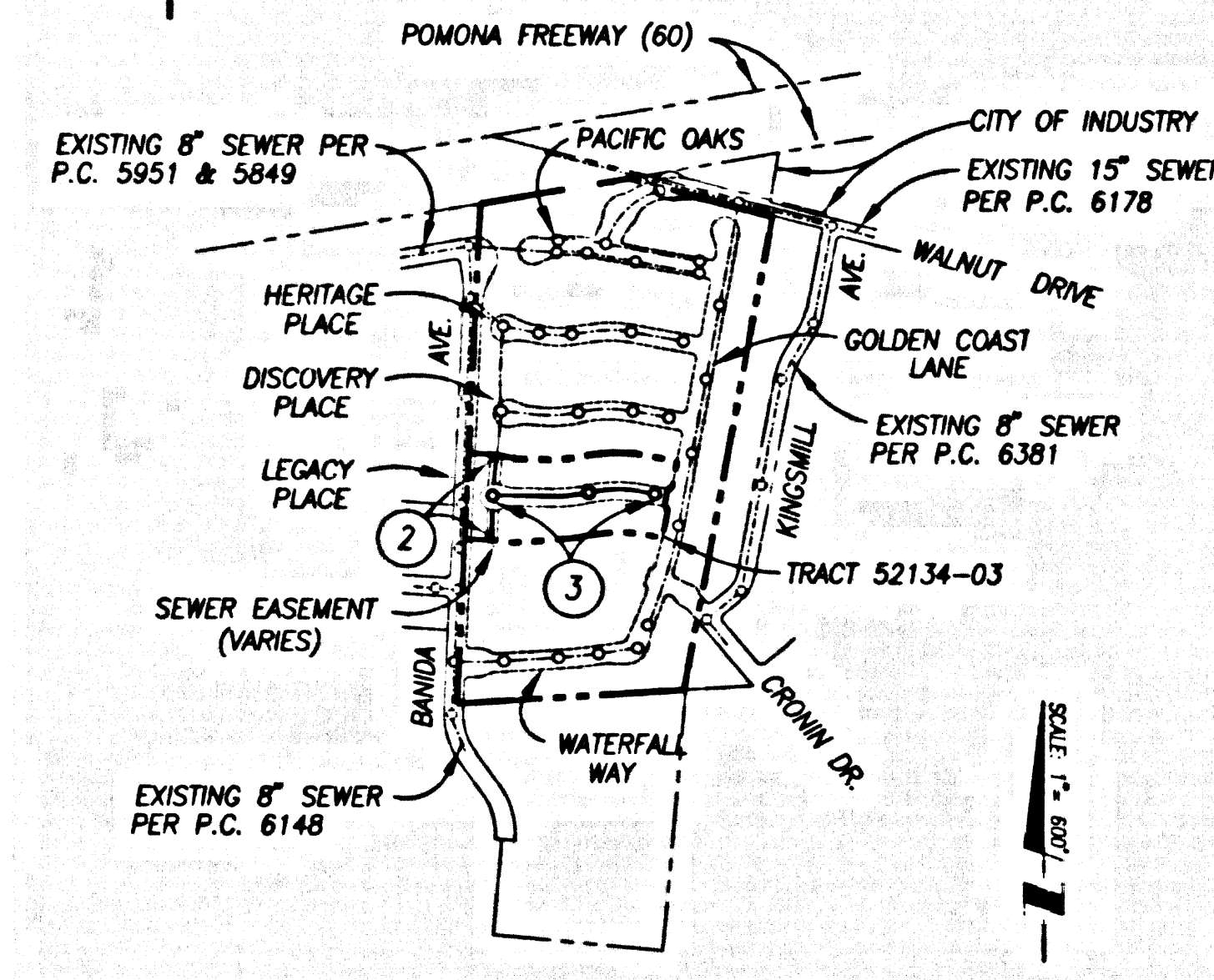


B.M. CG 3103 ELEV. 509.857  
 ROUND BENCH MARK TAG NORTH OF CATCH BASIN 8 FT.  
 WEST OF CORNER AT NORTHEAST CORNER OF COLUMA RD &  
 OTTERBEN AVE. 42 FT. NORTH AND 50 FT. EAST  
 APPROXIMATE OF CENTERLINE INTERSECTION  
 QUAD. 19 80



**INDEX MAP**  
 TRACT NO. 52134-03 P.C. 11393  
 SCALE: 1" = 600'  
 THOMAS GUIDE Pg. L.A. 679/D4  
 NOTE 1. NUMBERS IN CIRCLES INDICATES PAGE NUMBERS.

**PRIVATE CONTRACT SEWER PLAN CONSTRUCTION NOTES**

- Provide survey stakes on the property line or property lines produced at right angles to the sewer line at every centerline of each manhole.
- Verified clay pipe joints shall be type "D" or "G" per Standard Specifications Section, 302-5.
- If a power pole 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 equal size pipe and verified clay pipe shall be made with a rubber sleeve joint, type "C" or "D" (with backing if necessary) per Standard Specifications 302-5.
- House laterals to be constructed with inverts at the property line 8 feet below curb grade except as noted.
- Wye or tee branches may be used for connections to 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 manhole or house lateral VCP, sewer which is not indicated on the plans, the pipe 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-3C, 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 306-1.4 of the Standard Specifications will be required for backfill in streets. Certification of backfill composition and sand equivalent by a qualified civil engineer shall be provided by the permittee prior to acceptance of the work by the Director of Public Works.
- All backfill and fill outside of street right of way shall be compacted to 90% of maximum density as determined by ASTM Soil Compaction Test D 1557-78 Method "D" unless otherwise indicated and shall be certified by a qualified civil engineer. This certification shall be submitted to the Director of Public Works prior to acceptance of the work by the Director of Public Works.
- Manhole tops in unimproved rights of way to be six inches above finished grade.
- Manhole tops in improved rights of way to be level with finished grade.
- Sewers to be tested for leakage per Section 306-1.4 of the Standard Specifications and Special Provisions.

**BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES**

- Erosion sediments and other pollutants must be retained on site and may not be transported from the site via sheetwash, roads, 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 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.
- Excess or waste concrete may not be washed into the public way or any other drainage system. Provisions shall be made to retain concrete wash on site and 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.
- Setbacks and other setbacks may not be broken from the site by vehicle traffic. The construction entrance roadway must be established so as to inhibit sediments from being deposited into the public way. Accidental deposits 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.
- Other

ISSUE NO. H.L. CONNECTION PERMITS UNTIL OUTLET SEWER P.C. 11380 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, A SANITATION DISTRICT INSPECTOR SHALL BE NOTIFIED BY PHONE AT (626)960-8605 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 copies 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 Flood Encroachment, CALTRANS, etc., must be filed with the permit application.
- Prior to issuance of any permit, the contractor shall file a permit for accessions 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 from the California 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. The 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 prosecuted only as the presence of the Department of Public Works personnel (See Pages 46-54 through 46-63 for a copy of the special provisions).
- 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 (See Page 36-40, Chapter 36 of the Land Development Procedure Manual for a copy).
- Excavations are to be in feet above U.S.C. & G.S. sea level datum of 1929.
- No excavations 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 culverts 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 all other necessary data and shall provide a copy of all drawings and all other data to the Department of Public Works. All house laterals shall be shown on the plans. House laterals from chimneys shall not have an slope of less than 45 degrees with the U.S. sewer. Any change in invert shall be requested in writing by the private engineer.
- The private engineer shall furnish the house lateral depth of the property line below the top of curb elevation for each house lateral on the grade sheet.
- The latest revised standard plan or drawing shall be used unless otherwise specifically noted.

**SEWER CONSTRUCTION**

- STORMWATER POLLUTION CONTROL REQUIREMENTS FOR SEWER CONSTRUCTION**
- A. (Show all applicable notes on Attachment A)
- B. The following applies as written to, but not limited to, the Best Management Practice Handbook, California Stormwater Quality Task Force, Sacramento, California 1993, or the latest revised edition, may apply during construction (additional measures may be required if deemed appropriate by County):
- |  |  |
|--|--|
| CA01 - SEWER TRENCH OPERATIONS             | CA02 - VEHICLE AND EQUIPMENT MAINTENANCE       |
| CA02 - PAVING OPERATIONS                   | ES01 - SCHEDULING                              |
| CA03 - STRUCTURE CONSTRUCTION AND PAINTING | ES02 - PRESERVATION OF PRE-EXISTING VEGETATION |
| CA04 - MATERIAL DELIVERY AND STORAGE       | ES10 - SEEDING AND PLANTING                    |
| CA05 - SOIL WASTE MANAGEMENT               | ES11 - MULCHING                                |
| CA06 - HAZARDOUS WASTE MANAGEMENT          | ES12 - EROSION CONTROL MATS                    |
| CA07 - CONCRETE WASTE MANAGEMENT           | ES21 - DUST CONTROLS                           |
| CA08 - SANITARY/SEPTIC WASTE MANAGEMENT    | ES22 - TEMPORARY STREAM CROSSING               |
| CA09 - VEHICLE AND EQUIPMENT CLEANING      | ES23 - CONSTRUCTION ROAD STABILIZATION         |
| CA21 - VEHICLE AND EQUIPMENT FUELING       | ES24 - STABILIZED CONSTRUCTION ENTRANCE        |
|  | ES25 - STORM DRAIN INLET PROTECTION            |

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

TO BE CONSTRUCTED IN  
 TRACT NO. 52134-03  
 PRIVATE CONTRACT NO. 11393

INDEX 2305  
 2 SHEET(S) 3 PAGES  
 94931

VERT. 1" = 8'  
 SCALE: HORIZ. 1" = 40'  
 JANUARY, 1998

PREPARED IN THE OFFICES OF  
 THE KEITH COMPANIES  
 2955 REDHILL AVE., COSTA MESA  
 CA. 92626

BY: *M. K. 6-15-98* TEL. NO. (714) 540-0800  
 REG. C.E. No. 55727 EXP. 12/31/00

THE FOLLOWING LATEST REVISED STANDARD PLANS ON FILE IN THE OFFICE OF THE DEPARTMENT OF PUBLIC WORKS SHALL APPLY IN THE CONSTRUCTION OF THIS PROJECT:

|   |               |
|---|---------------|
| LEGEND                                  | S-1 (2000-0)  |
| MINIMUM PUBLIC SAFETY REQUIREMENTS      | S-2           |
| BRICK MANHOLE                           | S-3           |
| REINFORCED PRECAST CONCRETE MANHOLE     | S-4 (2003-0)  |
| BREAK INTO EXISTING MANHOLE             | S-13 (2010-0) |
| STANDARD MANHOLE STEP                   | S-17 (2015-0) |
| BEDDING FOR SEWER PIPE                  | S-21 (2021-0) |
| CRADLING AND ENCASMENT                  | S-23 (2023-0) |
| WYE OR TEE SUPPORT                      | S-26 (2024-0) |
| ALLOWABLE TRENCH WIDTHS                 | S-33 (2027-0) |
| LOCKING MANHOLE FRAME AND COVER         | S-35          |
| NON-REINFORCED PRECAST CONCRETE MANHOLE | S-36 (2001-0) |

COUNTY OF LOS ANGELES, CALIFORNIA

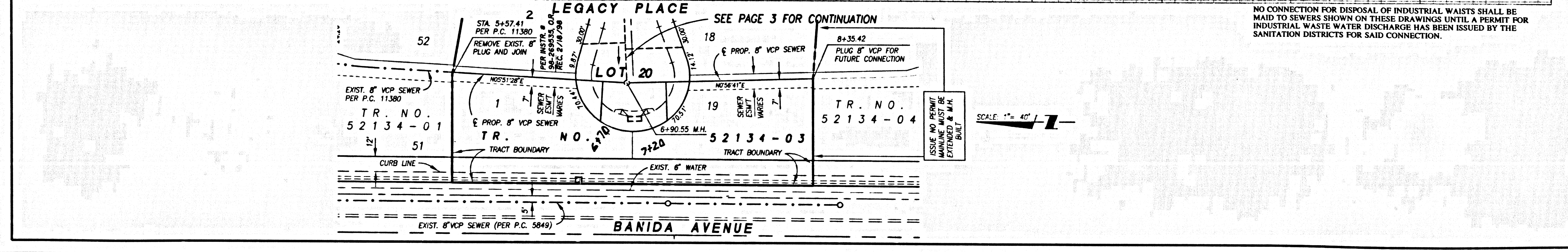
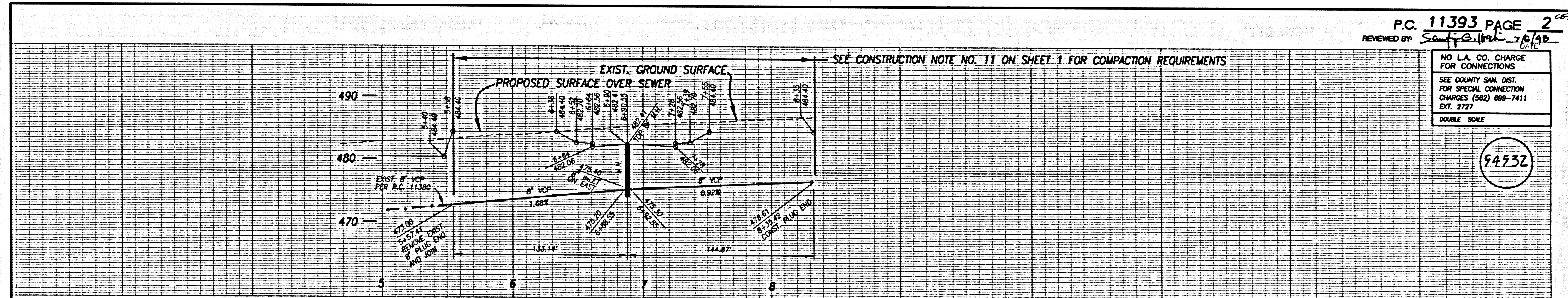
HARRY W. STONE  
 DIRECTOR OF PUBLIC WORKS

CHARLES W. CARRY  
 CHIEF ENGINEER

CO. SAN. DIST. NO. 21

APPROVED: *Richard J. 7-6-98* APPROVED: *Charles W. Carry*  
 (DATE) (DATE)  
 CHECKED: *Paul 10-6-98*  
 (DATE)  
 REG. C.E. No. 45691 (DATE)

LA PUENTE BLDG. DIST. NO. 2



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

NAME: K. J. 1/20/1998 (DATE) DATE: MAR. 05, 1998 TIME: 11:19 AM

