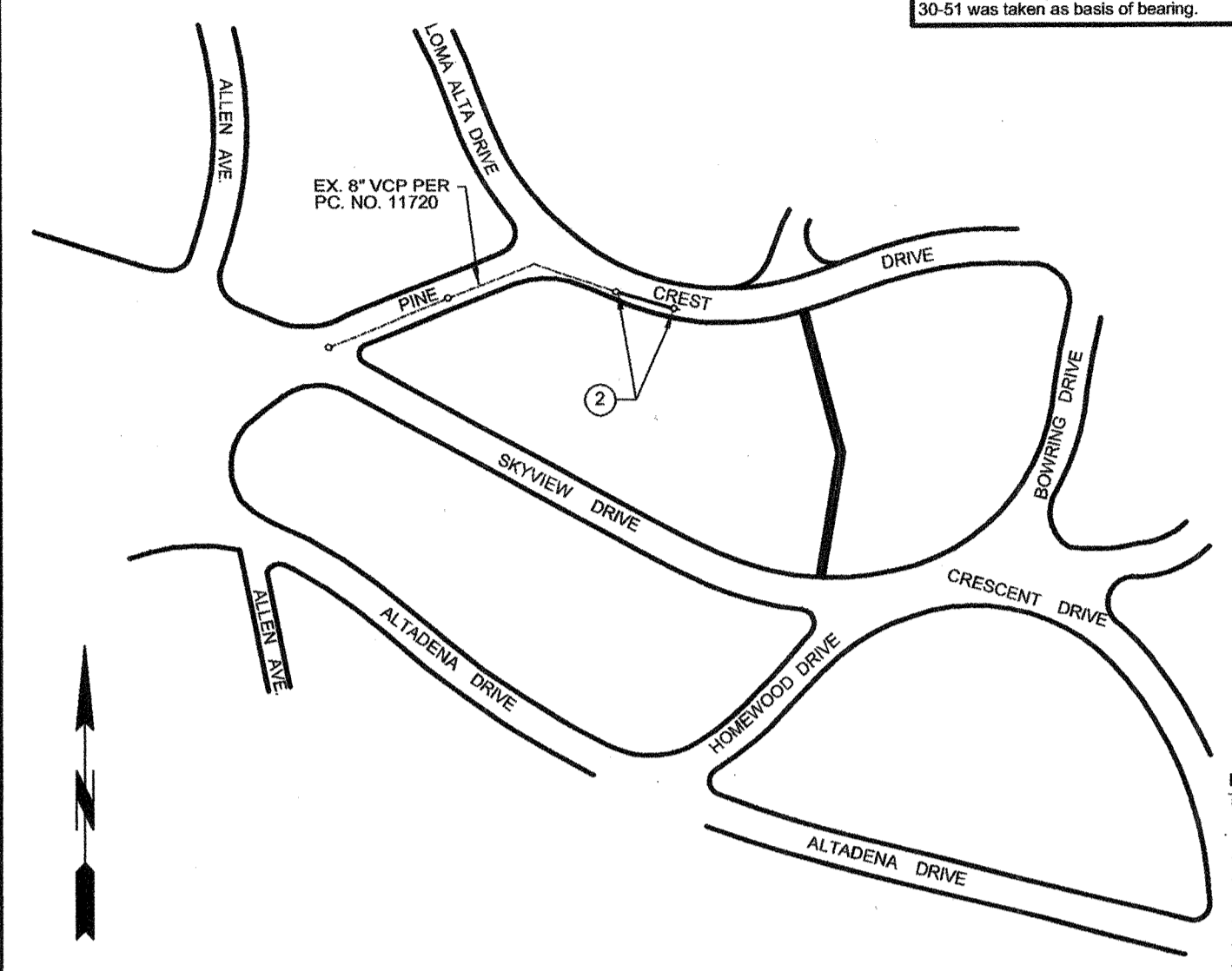


BENCH MARKS
 BM Y 6503 Elev. 1371.583
 L & T IN E. CURB @ NE. COR.
 ALTADENA DR. & PINECREST DR.
 PASADENA QUAD 2005



INDEX MAP
 BUILDING AND SAFETY DISTRICT OFFICE: SAN GABRIEL VALLEY
 SCALE: 1" = 300'
 CSDM INDEX: E-1960
 P.C. 12187 ADDRESS: 2052 PINECREST DR.
 THOMAS GUIDE PAGE: 536-D-5

- STORMWATER POLLUTION PLAN NOTES**
- A. NOTES:**
- Eroded sediments and other pollutants must be retained on site and not be transported from the site via sheetflow, swales, 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 surface waters. All approved storage containers are to be protected from the weather. Spills must be cleaned up immediately and surface waters.
 - 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 dispersal 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.
 - The following BMPs as outlined in, but not limited to, the "Best Management Practice Handbook, California Stormwater quality task force, Sacramento, California, 2003", or the latest revised edition, may apply during the construction of this project (Additional measures may be required if deemed appropriate by county inspectors):
- | EROSION CONTROL | NON-POINT WATER MANAGEMENT | WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL |
|--|---|--|
| EC-1 Scheduling | NS-1 Water Conservation Practices | WM-1 Material Delivery and Storage |
| EC-2 Preservation of Existing Vegetation | NS-2 Dewatering Operations | WM-2 Material Use |
| EC-3 Hydraulic Mulch | NS-3 Paving and Grinding Operations | WM-3 Stockpile Management |
| EC-4 Hydroseeding | NS-4 Temporary Stream Crossing | WM-4 Spill Prevention and Control |
| EC-5 Soil Binders | NS-5 Clear Water Diversion | WM-5 Solid Waste Management |
| EC-6 Straw Mulch | NS-6 Illicit Connection/Discharge | WM-6 Hazardous Waste Management |
| EC-7 Geotextiles and Mats | NS-7 Portable Water Filtration | WM-7 Contaminated Soil Management |
| EC-8 Wood Mulching | NS-8 Vehicle and Equipment Cleaning | WM-8 Concrete Waste Management |
| EC-9 Earth Dikes and Drainage Swales | NS-9 Vehicle and Equipment Fueling | WM-9 Sanitary/Septic Waste Management |
| EC-10 Velocity Dissipation Swales | NS-10 Vehicle and Equipment Maintenance | WM-10 Liquid Waste Management |
| EC-11 Slope Drains | NS-11 Pile Driving Operations | |
| EC-12 Streambank Stabilization | NS-12 Reserved | |
| EC-13 Reserved | NS-13 Concrete Finishing | |
| EC-14 Compost Blankets | NS-14 Material And Equipment Use | |
| EC-15 Soil Preparation/Roughening | NS-15 Demolition Adjacent to Water | |
| EC-16 Non-Vegetated Stabilization | NS-16 Temporary Soils Plans | |
| TEMPORARY SEDIMENT CONTROL | WIND EROSION CONTROL | |
| SE-1 Silt Fence | WE-1 Wind Erosion Control | |
| SE-2 Sediment Basin | | |
| SE-3 Sediment Trap | | |
| SE-4 Check Dams | | |
| SE-5 Fiber Rolls | | |
| SE-6 Gravel Bag Berm | | |
| SE-7 Street Sweeping and Vacuuming | | |
| SE-8 Sandbag Barrier | | |
| SE-9 Straw Bale Barrier | | |
| SE-10 Storm Drain Inlet Protection | | |
| SE-11 Active Chemical System | | |
| SE-12 Temporary Silt Dike | | |
| SE-13 Compost Stacks & Berms | | |
| SE-14 Biofilter Bags | | |
- B. 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.
 2003-2 Reinforced precast concrete manhole.
 2015-1 Standard manhole slope.
 2021-1 Bedding for sewer pipe.
 2023-2 Cradling and encasement.
 2024-1 WYE or TEE support.
 STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)
 207-1 Precast reinforced concrete manhole base
 208-1 Breaking into existing manholes
 210-2 Manhole frame and cover locking type
 222-1 House connection sewer
- COUNTY SANITATION DISTRICT (CSD) NOTES:**
 1. 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 CSD for said connections.
 2. Prior to final acceptance of the project, notify the CSD superintendent of maintenance at (310) 638-1161 to report completion of construction of this local sewer that indirectly connects to the CSD sewer system.
- NOTES:**
 Any damage to the sewer line shall be the responsibility of the contractor/owner. All grading and construction occurring over and the vicinity of the existing sewer shall be performed in the presence of a County inspector. Where applicable, the sewers shall be protected per Std. Plan 2023-2 at all significant crossings.
- NOTES:**
 * CONTRACTOR TO PROTECT AND PRESERVE IN PLACE ALL EXISTING SURVEY MONUMENTS. ANY MONUMENTS DISTURBED SHALL BE RESET BY A LICENSED LAND SURVEYOR AND THE APPROPRIATE CORNER RECORD MUST BE FILED WITH THE COUNTY OF LOS ANGELES.

NO.	REVISION	REVISED BY	APPROVED BY	DATE

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 County of Los Angeles Department of Public Works, at the Permit Counter, 300 South Fremont Avenue, 8th Floor, Alhambra, at least 72 hours prior to starting work under the permit. Copies of all other required permits, such as road excavation, Caltrans, etc., must be filed with the permit application.
- When work within a contract city, a sewer construction permit shall be obtained and a fee paid for construction inspection and record plans to the City. The contractor must contact the Director of Public Works of that City to determine the location to pay the inspection fees.
- 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 or both as applicable. The County of Los Angeles Department of Public Works shall be notified 30 days prior to cancellation of the insurance 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.
- 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 Department of Public Works does not constitute a representation as to accuracy of the location of the existence or nonexistence 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 (if there is any), the latest "Additions and Amendments to the Standard Specifications for Public Works Construction," and the latest "Special Provisions for the Construction for Sanitary Sewer" and shall be protected only in the presence of the County of Los Angeles 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 County of Los Angeles Department of Public Works Standard Plan No. 600B-1.
- Elevations are in feet above U.S.C. and G.S. sea level datum of 1988.
- No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works.
- No representative of the County of Los Angeles Department of Public Works will survey or layout any portion of the work.
- Grades to which this improvement is to be constructed are shown on plans and profiles. Grade point for top of curb, centerline of streets, or centerline of alleys, is shown by circles on profiles at all points between said designated points. The grade shall be established so as to conform to a straight line drawn between said design points.
- The private engineer shall furnish the County of Los Angeles Department of Public Works with grade sheets and staking for all house laterals, and 1" and 1/2" trenches and shall provide stakes for them at their proper locations with staking clearly 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 main 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.
- An approved backwater valve is required when the pad is lower in elevation than the top of the next upstream manhole.
- Contact Environmental Programs Division for an Industrial Waste Discharge Permit at (626) 458-3517.

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 clay pipe joints shall be type "D" or "C" per "Standard Specifications for Public Works Construction" Section 208-2.
- If a power pole is within three feet of the sewer, the sewer shall be encased, per LACDPW Standard Plan 2023-2, Case II, two feet on each side from the point of interference.
- All joints between cast-iron pipe and verified clay shall be made with a rubber sleeve joint, type "D" (with bushing if necessary), per "Standard Specifications for Public Works Construction" Section 208-2.
- House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted.
- Wyes 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 house lateral V.C.P. sewer, which is not indicated on the plans, the pipes shall be encased per LACDPW Standard Plan 2023-2, Case II, unless otherwise approved by the County of Los Angeles Department of Public Works.
- All structures shall be either brick sewer manholes per LACDPW Standard Plan S-3 (SPPWC 203-1), or precast concrete sewer manholes per LACDPW Standard Plan S-36 (SPPWC 203-3), or reinforced precast manhole per LACDPW Standard Plan 2003-2, except as noted.
- Resurfacing all trenches within paved areas to meet Department of Public Works or California State Highway requirements in accordance with the permits.
- Full compliance with Section 306-1.3 of the "Standard Specifications for Public Works Construction" will be required for backfill in street. Certification of backfill, compaction, and sand equivalents by a qualified Civil Engineer shall be provided by the contractor prior to the issuance of a Certificate of Partial Acceptance.
- All backfill and fills outside of the street right of way shall be compacted to 90 percent of the maximum density as determined by ASTM Soil Compaction Test D 1557-76 Method "D" unless otherwise specified. This shall be certified by a qualified Civil Engineer. This certification shall be submitted to the Land Development Division, Permit Section of the County of Los Angeles 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.
- Springs to be tested for leakage per Section 306-1.4 of the "Standard Specifications for Public Works Construction" and "Special Provisions for the Construction of Sanitary Sewer" 1 applicable.
- Manhole tops in improved rights of way to be level with finished grade.
- All wyes and/or house laterals are to be located at least 5 feet apart, and when possible, not closer than 5 feet to any manhole.
- All pipe materials shall be verified clay pipe or ductile iron pipe or other approved materials by the County of Los Angeles Department of Public Works.

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN PAGE 1

PINE CREST DRIVE E/O SKYVIEW DRIVE PC NO. 12187
 1 SHEETS: 2 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA
 CSDM INDEX E-1960

GAIL FARBER LA COUNTY DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 BY: [Signature] DATE: 5/19/14
 ASSISTANT DIVISION ENGINEER
 SUBMITTED BY: [Signature] DATE: 5/19/2014
 SEWER AND WATER/LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

COUNTY SANITATION DISTRICT NO. 17
 OF LOS ANGELES COUNTY, CALIFORNIA
 GRACE ROBINSON HYDRO-CHIEF ENGINEER AND GENERAL MANAGER
 APPROVED BY: [Signature] DATE: 5-19-2014
 ENGINEER

