

BENCH MARKS
 BM 7733 Elev. 131.874
 LACO BENCH MARK NO. 7733
 DESCRIPTION: CITY OF LA MON FL 600MM(2FT) W/O CF @ NW COR CENTRAL AVE. & MANCHESTER AVE (MKD NO 11 M 130.60 ELEV) WATTS QUAD 2009 NAVD 88 DATUM

Per Title 20.24.140 of LA County Code, obstructing access to sewer facilities is prohibited. No object difficult to remove shall be located over the sewer easement(s) as to interfere with ready access to sewer facilities.

STORMWATER POLLUTION PLAN NOTES

- Erosion sediments and other pollutants must be retained on site and may 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 disposed of in a proper manner. Spills may be washed into the drainage system.
- Excess soil or 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.
- Trench and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersed by rain or other means.
- 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 Practices 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):

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| EROSION CONTROL | WIND EROSION CONTROL | WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL |
| EC-1 Scheduling | WE-1 Wind Erosion Control | WM-1 Material Delivery and Storage |
| EC-2 Preservation of Existing Vegetation | WE-2 Material Usage | WM-2 Material Usage |
| EC-3 Hydraulic Mulch | NON-STORM WATER MANAGEMENT | WM-3 Stockpile Management |
| EC-4 Hydroseeding | NS-1 Water Conservation Practices | WM-4 Spill Prevention and Control |
| EC-5 Soil Binders | NS-2 Dewatering Operations | WM-5 Solid Waste Management |
| EC-6 Straw Mulch | NS-3 Paving and Grinding Operations | WM-6 Hazardous Waste Management |
| EC-7 Geotextiles and Mats | NS-4 Temporary Stream Crossing | WM-7 Contaminated Soil Management |
| EC-8 Wood Mulching | NS-5 Clear Water Diversion | WM-8 Concrete Waste Management |
| EC-9 Earth Dikes and Drainage Swales | NS-6 Erosion Control/Diversion | WM-9 Sanitary/Sepic Waste Management |
| EC-10 Velocity Dissipation Swales | NS-7 Potable Water/Irrigation | WM-10 Liquid Waste Management |
| EC-11 Slope Drains | NS-8 Vehicle and Equipment Cleaning | |
| EC-12 Streambank Stabilization | NS-9 Vehicle and Equipment Fueling | |
| EC-13 Polyacrylamide | NS-10 Vehicle and Equipment Maintenance | |
| TEMPORARY SEDIMENT CONTROL | NS-11 Pile Driving Operations | |
| SE-1 Silt Fence | NS-12 Concrete Curing | |
| SE-2 Sediment Basin | NS-13 Concrete Finishing | |
| SE-3 Sediment Trap | NS-14 Material Over Water | |
| SE-4 Check Dams | NS-15 Demolition Adjacent to Water | |
| SE-5 Fiber Rolls | NS-16 Temporary Baton Plants | |
| SE-6 Gravel Bag Berm | EQUIPMENT TRACKING CONTROL | |
| SE-7 Street Sweeping and Vacuuming | TR-1 Stabilized Construction Entrance/Exit | |
| SE-8 Sandbag Barrier | TR-2 Stabilized Construction Roadway | |
| SE-9 Straw Bale Barrier | TR-3 Entrance/Outlet Tire Wash | |
| SE-10 Storm Drain Inlet Protection | | |
| SE-11 Chemical Treatment | | |

- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPWC)**
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| 207-1 Precast reinforced concrete manhole base | 221-1 Pipe anchors and backfill stabilizers |
| 208-1 Breaking into existing manholes | 222-1 House connection sewer |
| 210-2 Manhole frame and cover locking type | 223-1 House connection remodeling |
| 220-2 Chimneys | 225-1 Blanket protection for pipes |
- NOTES:**
 No connection for the disposal of industrial waste shall be made to sewers shown on these drawings until a permit for industrial waste discharge has been issued by the Sanitation Districts' sewer and prior to final acceptance of the project, a Sanitation Districts' Inspector shall be notified by telephone at (310) 838-1181 (South County/LA Basin) so that required inspection can be made.
- 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 et al of significant crossings.

NOTICE TO CONTRACTOR:
 MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION AND ABANDONMENT.

SEWER VIDEO OF ALL SEGMENTS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE (95%) AND COMPLETE FIELD ACCEPTANCE (98%). FINAL MAP AND AS-BUILT SEWER PLANS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE.

SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY.

BACKWATER VALVES MAY BE NECESSARY FOR ALL BUILDINGS.

LOT NO. 848 IS RESTRICTED FROM CONSTRUCTION OF BUILDINGS AND WILL NOT BE SERVED BY THIS SEWER.

ISSUE NO HOUSE LATERAL CONNECTION PERMITS UNTIL OUTLET SEWER PC 12031 IS ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.

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, 900 South Fremont Avenue, 8th Floor, Alhambra, at least 72 hours prior to starting work. Copies of the permit, such as Road Excavation, California, 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. 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.
- 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 Department of Public Works, does not constitute a representation or warranty of the location 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 (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 of Sanitary Sewer and shall be presented 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 Los Angeles Department of Public Works' standard plan 8008-1.
- Elevations are in feet above U.S.C. & 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 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 said designed 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 stationing for all house laterals and "T" or "Y" branches and shall provide stakes for them at their proper locations with stationing plainly marked. All house laterals shall be constructed in a straight line 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 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 pipe is lower in elevation than the top of the next upstream manhole.
- Contract Environmental Programs Division for Industrial waste discharge permit # (828) 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.
- Vitrified clay pipe joints shall be type "D" or "G" per "Standard Specifications for Public Works Construction" Section 208-2.
- If a powerpole 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 vitrified clay shall be made with a rubber gasket 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.
- "T" or "Y" 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 (SPWC 203-0), or precast concrete sewer manholes per LACDPW standard plan S-38 (SPWC 200-2), or reinforced precast concrete manholes per LACDPW standard plan 2003-2, except as noted.
- Full compliance with covered areas to meet the Department of Public Works or California State Highway requirements in accordance with the permits, and standards with Section 308-1.3 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 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 tests using the 155/75 method (1) 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 for Public Works Construction" and "Special Provisions for the Construction of Sanitary Sewer" if applicable.
- Manhole tops in improved rights of way to be level with finished grade.
- All vyes and/or house laterals are to be located at least 5' apart and when possible not closer than 5' to any manhole.
- All pipe materials shall be vitrified clay pipe or ductile iron pipe or other approved materials by the County Engineer.

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS

TO BE CONSTRUCTED IN WISDOM STREET

100' NORTH OF 74TH STREET PC 12031

2 SHEETS: 4 PAGES

COUNTY OF LOS ANGELES CALIFORNIA

CSMD INDEX S-1753

GAIL FARBER DIRECTOR OF PUBLIC WORKS

APPROVED BY LAND DEVELOPMENT DIVISION

BY: _____ DATE: _____

ASSISTANT DIVISION ENGINEER

SUBMITTED BY: _____ DATE: 5/21/09

SEWER AND WATER/LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

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. RAY CUMINGS OF GENERAL TELEPHONE COMPANY AT 1-805-948 4871 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

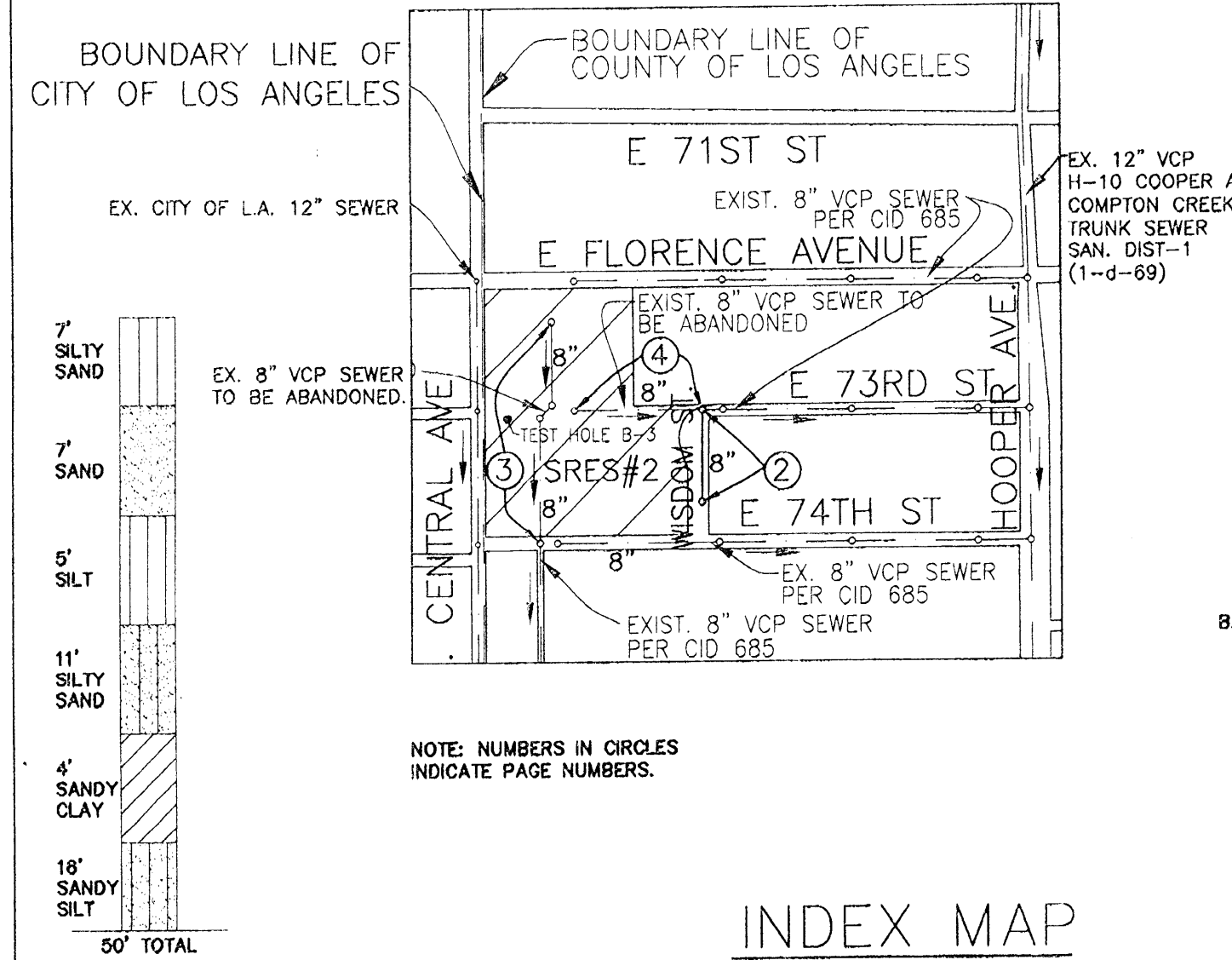
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OFFICE ENGINEER

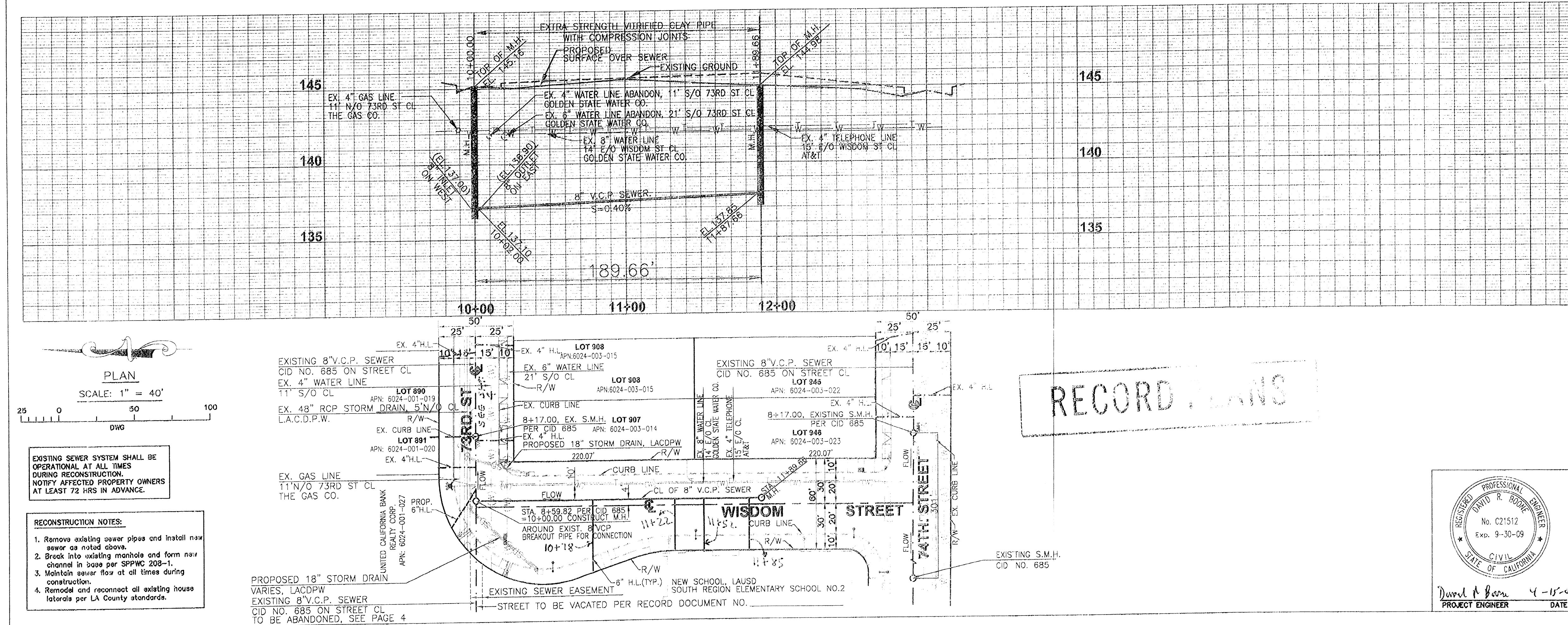
COUNTY SANITATION DISTRICT NO. 1

OF LOS ANGELES COUNTY, CALIFORNIA

STEPHEN R. MAGUIN - CHIEF ENGINEER AND GENERAL MANAGER



NO.	REVISION	REVISED BY	APPROVED BY	DATE



NO. L.A. Co. DPW CHARGES FOR CONNECTIONS

SEE SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES

TEL: (562) 899-7411 EX. 2727

SCALE: HORIZONTAL 1"=40' VERTICAL 1"=4'

REVIEWED BY LAND DEVELOPMENT DIVISION

BY: _____ DATE: 5/21/09

SEWER AND WATER/LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

3819 Motor Avenue, Suite 300
 Los Angeles, CA 90034
 Phone: (310) 815-9901
 Fax: (310) 815-9907
 www.evmooninc.net

E. W. MOON, INC.
 Infrastructure Group

REGISTERED PROFESSIONAL ENGINEER
 No. C21512
 Exp. 9-30-09
 CIVIL
 STATE OF CALIFORNIA

Daniel A. Brown 4-15-09
 PROJECT ENGINEER DATE DWG

SHEET 1 OF 2

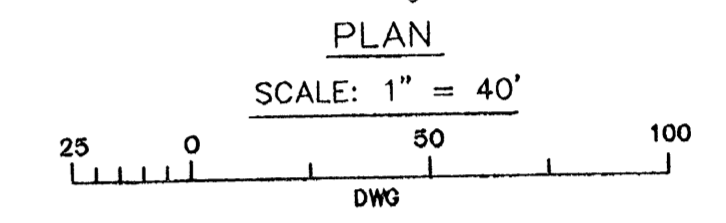
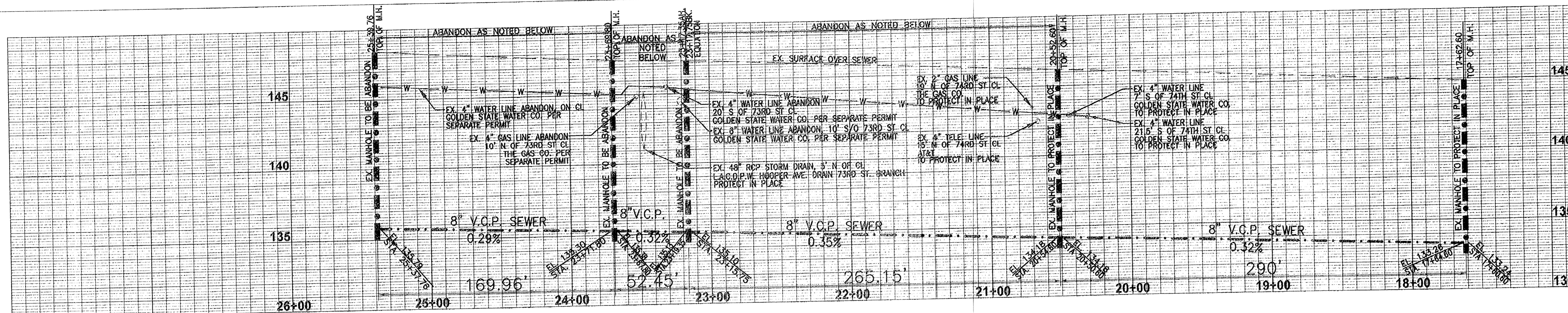
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RECORD PLANS

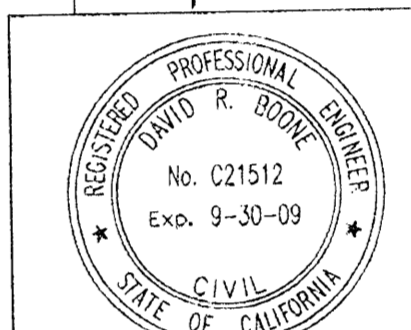
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THIS PAGE OF THE PLANS IS APPROVED FOR EXISTING SEWER LINE ABANDONMENT ONLY. ALL OTHER UTILITIES MUST BE ABANDONED PER SEPARATE PLANS / PERMITS.



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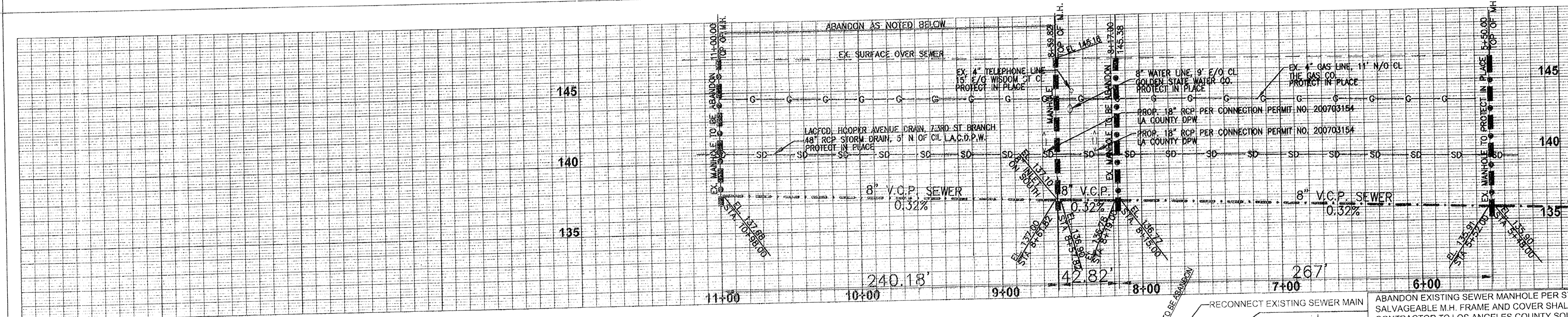
RECORD PLANS

- EXISTING SEWER SYSTEM SHALL BE OPERATIONAL AT ALL TIMES DURING RECONSTRUCTION AND ABANDONMENT. NOTIFY AFFECTED PROPERTY OWNERS AT LEAST 72 HRS IN ADVANCE.
- RECONSTRUCTION NOTES:
1. Remove existing sewer pipes and install new sewer as noted above.
 2. Break into existing manhole and form new channel in base per SPPWC 208-1.
 3. Maintain sewer flow at all times during construction.
 4. Remedial and reconnect all existing house laterals per LA County standards.

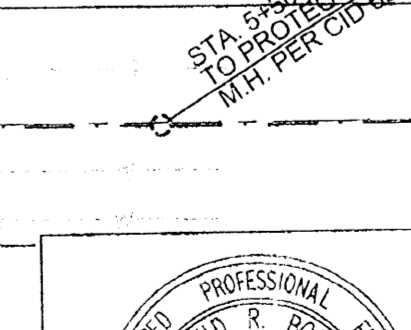
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