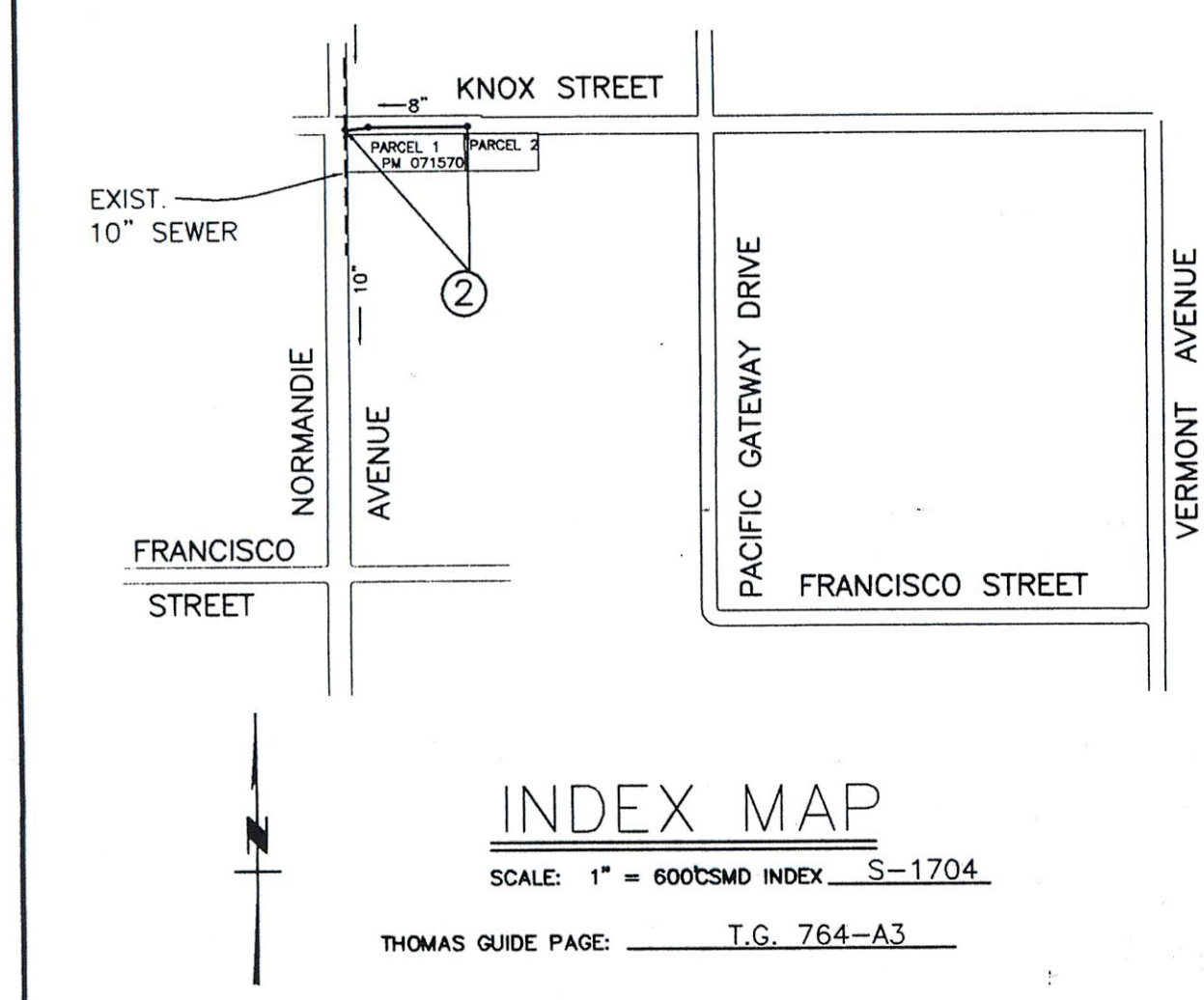


BENCH MARKS
 BM 12241 Elev. 50.305
 MAG NAIL IN E CB 1FT N/O BCR @ NE COR
 NORMANDIE AV. & KNOX ST.
 GARDENA QUAD 2005



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	SHIFTED SEWER MANHOLE 4.5 FT TO NORTH.	G. MEKHIAEL	T. Shallal	7/9/15

STORMWATER POLLUTION PLAN NOTES

A. NOTES:

- Eroded 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 forces of wind or water.
- Fuels, oils, solvents, and other toxic materials must be stored in accordance with their listing 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 rainwater and dispersed 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

- EC-1 Scheduling
- EC-2 Preservation of Existing Vegetation
- EC-3 Hydraulic Mulch
- EC-4 Hydroseeding
- EC-5 Soil Binders
- EC-6 Straw Mulch
- EC-7 Geotextiles and Mats
- EC-8 Wood Mulching
- EC-9 Earth Dikes and Drainage Swales
- EC-10 Velocity Dissipation Swales
- EC-11 Slope Drains
- EC-12 Streambank Stabilization
- EC-13 Polyacrylamide

TEMPORARY SEDIMENT CONTROL

- SE-1 Silt Fence
- 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 Chemical Treatment

WIND EROSION CONTROL

- WE-1 Wind Erosion Control

WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL

- WM-1 Material Delivery and Storage
- WM-2 Material Use
- WM-3 Stockpile Management
- WM-4 Spill Prevention and Control
- WM-5 Solid Waste Management
- WM-6 Hazardous Waste Management
- WM-7 Contaminated Soil Management
- WM-8 Concrete Waste Management
- WM-9 Sanitary/Septic Waste Management
- WM-10 Liquid Waste Management

NON-STORM WATER MANAGEMENT

- NS-1 Water Conservation Practices
- NS-2 Dewatering Operations
- NS-3 Paving and Grinding Operations
- NS-4 Temporary Stream Crossing
- NS-5 Clear Water Diversion
- NS-6 Illicit Connection/Discharge
- NS-7 Potable Water/Irrigation
- NS-8 Vehicle and Equipment Cleaning
- NS-9 Vehicle and equipment fueling
- NS-10 Vehicle and Equipment Maintenance
- NS-11 Pile Driving Operations
- NS-12 Concrete Curing
- NS-13 Concrete Finishing
- NS-14 Material Over Water
- NS-15 Demolition Adjacent to Water
- NS-16 Temporary Batch Plants

EQUIPMENT TRACKING CONTROL

- TR-1 Stabilized Construction Entrance/Exit
- TR-2 Stabilized Construction Roadway
- TR-3 Entrance/Outlet Tire Wash

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.	2021-1	Bedding for sewer pipe.
2002-1	Precast concrete shallow manhole.	2023-2	Cradling and encasement.
2003-2	Reinforced precast concrete manhole.	2024-1	WYE or TEE support.
2004-1	Rectangular shallow manhole.	2026-1	Erosion protection in steep slopes.
2014-1	Rectangular manhole frame and cover.	2027-1	Allowable trench widths.
2015-1	Standard manhole step.	6008-1	Minimum public safety requirements.
		2100-1	Requirements for sanitary sewer near water mains

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPPWC)

207-1	Precast reinforced concrete manhole base	221-1	Pipe anchors and backfill stabilizers
208-2	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

COUNTY SANITATION DISTRICTS (CSD) NOTES:

- No connection for the 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 County Sanitation Districts for solid connections.
- Before breaking into a CSD sewer or manhole, and prior to final acceptance of the project, a CSD inspector shall be notified by telephone at (562) 238-1764 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.

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, City Engineer for the City of Los Angeles, 600 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 City of Los Angeles Department of Public Works named as the Certificate Holder. The County of Los Angeles Department of Public Works, City Engineer or the City of Los Angeles 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, City Engineer for the City 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 (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 prosecuted 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 600-1.
- 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, City Engineer for the City of Los Angeles.
- No representative of the County of Los Angeles Department of Public Works, City Engineer for the City of Los Angeles 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 ditches, 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, City Engineer for the City of Los Angeles with grade sheets and stationing for all house laterals and "Y" or "T" branches and shall provide them at their proper locations with stationing plainly marked. All house laterals shall be constructed in a straight alignment of 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 industrial waste discharge permit @ (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.
- 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 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.
- Wye 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 pipe shall be encased per LACDPW standard plan 2023-2, Case II, unless otherwise approved by the County of Los Angeles Department of Public Works, City Engineer for the City of Los Angeles.
- All structures shall be either brick sewer manholes per LACDPW standard plan S-3 (SPPWC 203-0), or precast concrete sewer manholes per LACDPW standard plan S-36 (SPPWC 200-2), or reinforced precast concrete manhole per LACDPW standard plan 2003-2, except as noted.
- Resurface 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, composition, 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 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-city.
- Manhole tops in unimproved rights of way to be six inches above finished grade.
- Sewers 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" if 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' 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 of Los Angeles Department of Public Works, City Engineer for the City of Los Angeles.

NOTICE TO CONTRACTOR:

SEWER VIDEO OF ALL SEGMENTS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE (60%) AND COMPLETED FIELD ACCEPTANCE (90%). FINAL MAP AND AS-BUILT SEWER PLANS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE.

EXISTING SEWER SYSTEM SHALL BE OPERATIONAL AT ALL TIMES DURING RECONSTRUCTION. NOTIFY AFFECTED HOMEOWNERS AT LEAST 72 HRS IN ADVANCE.

SEWER LATERALS SHOW ON PLANS ARE FOR REFERENCE ONLY.

PROFILE, ALIGNMENT, AND GRADE OF
SANITARY SEWERS REALIGNMENT
 TO BE CONSTRUCTED IN
 KNOX STREET N/O FRANCISCO ST. AND E/O NORMANDIE AV.
 PARCEL MAP NO. 071570 PC NO. PC 12176
 1 SHEETS: 2 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA
 CSMD INDEX S-1704

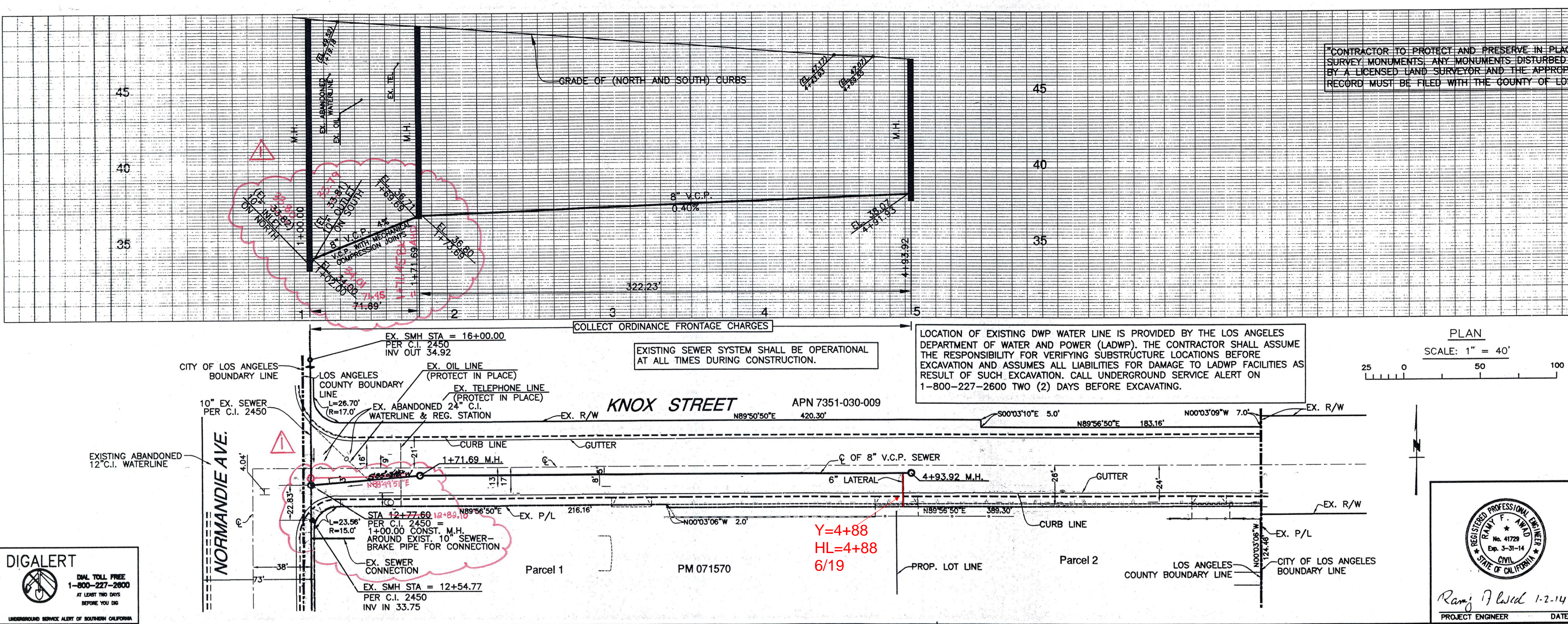
GAIL FARMER
 L.A. COUNTY DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 DATE: 1/7/14
 ASSISTANT DIVISION ENGINEER
 SUBMITTED BY: [Signature] DATE: 01/07/2014
 SENIOR AND WATER/LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

COUNTY SANITATION DISTRICT NO. 8
 OF LOS ANGELES COUNTY, CALIFORNIA
 CHIEF ENGINEER AND GENERAL MANAGER
 GRACE ROBINSON CHAN
 APPROVED BY: [Signature] DATE: 1-8-2014
 OFFICE ENGINEER

THE DEVELOPER SHALL BE RESPONSIBLE FOR THE CONTINUED MAINTENANCE OF PC 12176 SANITARY SEWER UNTIL THE COUNTY FORMALLY ACCEPTS IT FOR MAINTENANCE. ALL MAINLINE, MANHOLES AND LATERALS SHALL BE PROTECTED FROM DAMAGE AND INFILTRATION.

AS-BUILT DATED 11/06/2017
 PS007589

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. 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.
 PROJECT ENGINEER: Rami F. Awad
 RCE NO: 41729
 DATE: 1-2-14



P.C. 12176 PAGE 2
 COLLECT CHARGES AS INDICATED.
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
 (562) 908-4288 EX. 2727
 H = 1" = 40'
 V = 1" = 4'

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	SHIFTED SEWER MANHOLE 4.5 FT TO NORTH DUE TO CONFLICT WITH EX. DWP WATER LINE.	G. MEKHIAEL	T. Shallal	7/8/15

SANITARY SEWER PLANS IN
 PARCEL MAP NO. 071570 PC NO. 12176
 REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: [Signature] DATE: 1/6/14
 SEWER AND WATER / LANDSCAPING SUBDIVISION PLAN CHECKING SECTION
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
B & E ENGINEERS
 20 E. FOOTHILL BLVD., STE 230 TEL. (626) 446-4449
 ARCADIA, CA 91006 FAX (626) 446-6566
 PROJECT ENGINEER: Rami F. Awad DATE: 1-2-14 DWG

AS-BUILT DATED 11/06/2017