

AS PART OF IMPROVEMENT FOR PM NO. 073998
 CURRIER ROAD W/O BREA CANYON ROAD, PC NO. 12306
 1 SHEET: 2 PAGES
 COUNTY OF LOS ANGELES CALIFORNIA
 CSMD INDEX E-2347

MARK PESTRALLA, LA COUNTY DIRECTOR OF PUBLIC WORKS
 APPROVED BY LAND DEVELOPMENT DIVISION
 BY: *[Signature]* 4/4/18
 ASSISTANT DIVISION ENGINEER DATE
 SUBMITTED BY: *[Signature]* 4/18
 BY: FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE

CITY OF INDUSTRY APPROVAL
 PARCEL MAP NO. 073998 OUTLET
 WE APPROVE THIS SEWER AREA STUDY/PLAN AND CONCUR WITH THE FOLLOWING FINDINGS WITHIN THE CITY: NO MITIGATION WITH MITIGATION
 APPROVED BY: *[Signature]* 6/29/18 3/22/2018
 CITY ENGINEER DATE

COUNTY SANITATION DISTRICT NO 21
 OF LOS ANGELES COUNTY, CALIFORNIA
 GRACE ROBINSON HYDE - CHIEF ENGINEER AND GENERAL MANAGER
 APPROVED BY: *[Signature]* DATE: 3/22/18
 COUNTY ENGINEERING COUNCIL

REGISTERED PROFESSIONAL ENGINEER
 KEVIN J. RICHER
 No. 43714
 Exp. 3/31/2019
 CIVIL
 STATE OF CALIFORNIA

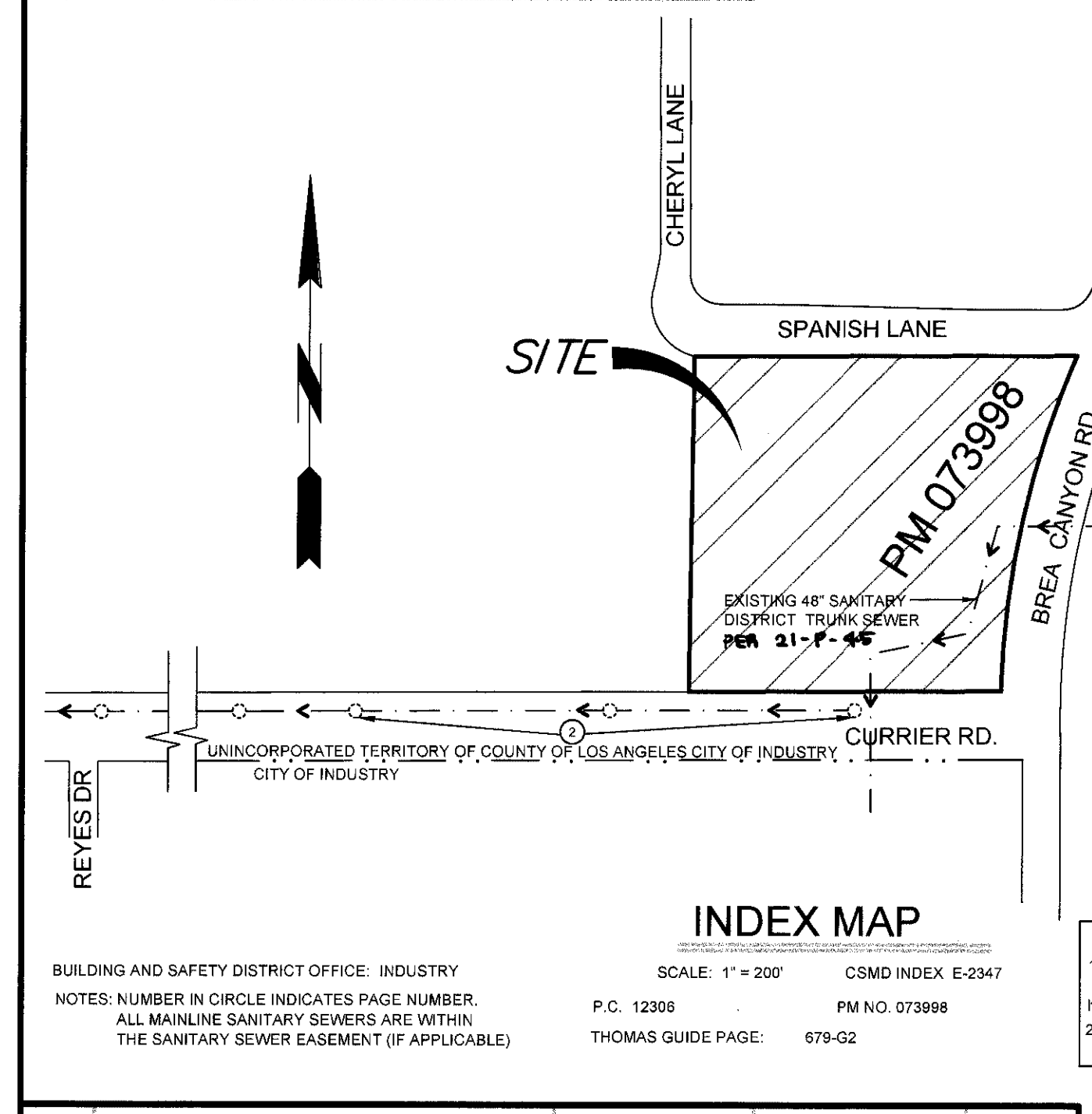
PLAN PREPARED IN THE OFFICE OF:
 LAND DEVELOPMENT DESIGN COMPANY
 2313 E. PHILADELPHIA STREET, UNIT F, ONTARIO, CA 91761
 KEVIN J. RICHER
 RCE NO. 43714, Exp. 03/31/2019
 DATE: 12/20/17

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:
 THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS RECORDED 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 GIBBINS OF GENERAL TELEPHONE COMPANY AT 1-800-488-8691 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.
 KEVIN J. RICHER RCE NO. 43714 DATE: 12/20/17

BENCH MARKS
 BM: G 2684 Elev. 579.159 FEET
 2005 (NAVD88)
 DRDBM TAG IN CONC FTG OF 125MM(5IN) IP
 GUARD POST FOR 600MM(2FT) WATER LINE
 49M(161FT) E/O C/L BREA CYN RD &
 36M(118FT) S/O C/L VALLEY BLVD.

- STORMWATER POLLUTION PLAN NOTES**
- Every effort should be made to eliminate the discharge of non-stormwater from the project site at all times.
 - Eroded sediments and other pollutants must be retained on-site and may not be transported from the site via sheet flow, 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 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 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 wash-water on-site until it 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 latest edition of the California BMP Handbook (Construction) or California Stormwater Quality Handbook (Construction Site BMP Manual), may apply during the construction of this project (additional measures may be required if deemed appropriate by the Project Engineer or the Building Official)

- PRIVATE CONTRACT SEWER GENERAL NOTES**
- 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, 500 South Fremont Avenue, 5th 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.
 - When work is 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 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 Specification for Public Works Construction" including supplements (if there is any), the latest "Additions and Amendments to the Standard Specifications for Public Works Construction", 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 7-10.4.2 of the "Standard Specifications for Public Works Construction" in regard to safety orders and shall conform to the "Minimum Public Safety Requirement" as shown on County of Los Angeles Department of Public Works Standard Plan No. 8008-F.
 - 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 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 street, or centerline of alley, is 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 "Y" and "T" branches and shall provide stakes for them at their proper locations with staking plainly 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 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 to the profile 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.
 - Contact Environmental Programs Division for an Industrial Waste Discharge Permit at (626) 458-3517.



- EROSION CONTROL**
 EC1 SCHEDULING
 EC2 PRESERVATION OF EXISTING VEGETATION
 EC3 HYDRAULIC MULCH
 EC4 HYDROSEEDING
 EC5 SOIL BINDERS
 EC6 STRAW MULCH
 EC7 GEOTEXTILES & MATS
 EC8 WOOD MULCHING
 EC9 EARTH DICES AND DRAINAGE SWALES
 EC10 VELOCITY DISSIPATION DEVICES
 EC11 SOIL CRUMBS
 EC12 STREAMBANK STABILIZATION
 EC13 RESERVED
 EC14 COMPOST BLANKETS
 EC15 SOIL PREPARATION/ROUGHENING
 EC16 NON-VEGETATED STABILIZATION
- WIND EROSION CONTROL**
 WE1 WIND EROSION CONTROL
- EQUIPMENT TRACKING CONTROL**
 TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT
 TC2 STABILIZED CONSTRUCTION ROADWAY
 TC3 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.

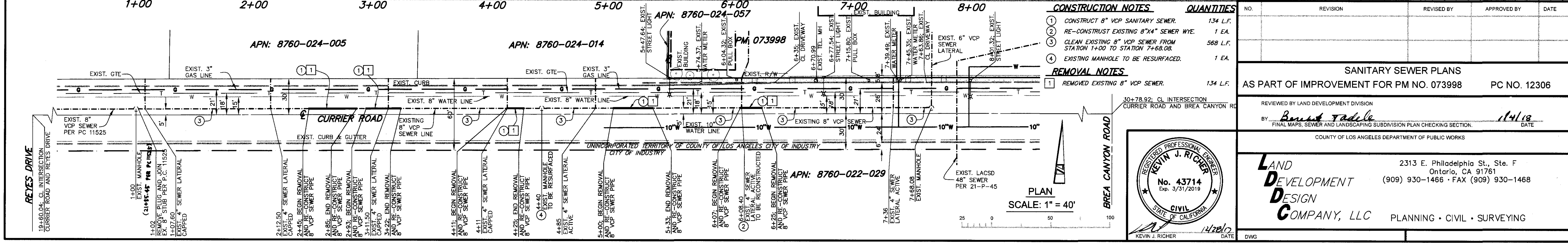
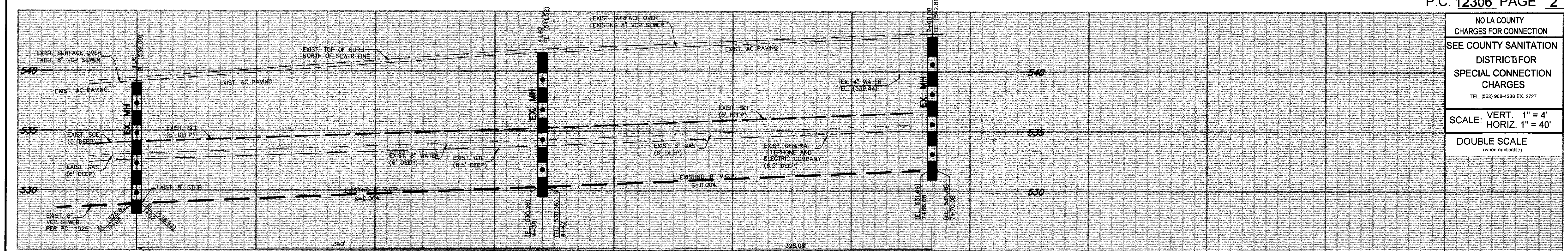
- LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS
 Legend for sanitary sewer plans and profiles and district maps.
 2020-0 Precast concrete shallow manhole
 2023-2 Reinforced precast concrete manhole
 2024-1 Rectangular shallow manhole
 2024-1 Rectangular manhole frame and cover.
 2015-1 Standard manhole step
 STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPWVC)
 200-3 Precast Concrete Sewer Manhole
 204-2 Terminal cleanout structure
 207-2 Precast reinforced concrete manhole base
 208-2 Breaking into existing manhole
 210-3 Manhole frame and cover locking type
- CITY OF LOS ANGELES
 Bedding for sewer pipe.
 Cradling and encasement.
 WYE or TEE support.
 Erosion protection in steep slopes.
 Allowable trench widths.
 Minimum public safety requirements.
 Requirements for sanitary sewers near water mains
- CITY OF LOS ANGELES
 220-3 Chimneys
 221-2 Pipe anchors and backfill stabilizers
 223-2 House connection sewer
 223-2 House connection remodeling
 225-2 Blanket protection for pipes

COUNTY SANITATION DISTRICT(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 such connections.
- If not connecting directly to a CSD sewer, notify the CSD superintendent of maintenance at (310) 838-1161 to report completion of construction of this local sewer that indirectly connects to the CSD sewer system. (For projects in the L.A. Basin)

ENGINEER'S/SURVEYOR'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS
 I HEREBY ATTEST THAT I HAVE LOCATED AND REFERENCED ON THESE PLANS THE MONUMENTS EXISTING PRIOR TO CONSTRUCTION TO ENSURE PERPETUATION TO THEIR LOCATION IN ACCORDANCE WITH SECTION 8771 OF THE BUSINESS AND PROFESSIONAL CODE. I FURTHER ATTEST THAT I HAVE PERFORMED A RECORD SEARCH AND FIELD INSPECTION TO IDENTIFY EXISTING MONUMENTS, AND SET SUFFICIENT CONTROL LINES, WITNESSES, AND PERMANENT MONUMENTS AND SHALL FILE THE REQUISITE CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES WITH THE COUNTY SURVEYOR.
 Kevin C. Farnsworth
 12/20/17
 DATE
 Dennis C. Farnsworth
 RCE NO. 31653, Exp. 12/31/2018

- WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL**
 WM1 MATERIAL DELIVERY AND STORAGE
 WM2 MATERIAL USE
 WM3 STOCKPILE MANAGEMENT
 WM4 SPILL PREVENTION AND CONTROL
 WM5 SOLID WASTE MANAGEMENT
 WM6 HAZARDOUS WASTE MANAGEMENT
 WM7 CONTAMINATION/SOL MANAGEMENT
 WM8 CONCRETE WASTE MANAGEMENT
 WM9 SANITARY/SEPTIC WASTE MANAGEMENT
 WM10 LIQUID WASTE MANAGEMENT
- ISSUE NO HOUSE LATERAL CONNECTION PERMITS UNTIL OUTLET SEWER PC 12306 IS ACCEPTED FOR PUBLIC USE BY THE COUNTY OF LOS ANGELES.**
- Notice to Contractor:**
 Prior to abandoning the existing sewer lines, new sewer lines must be constructed to redirect the sewer flow from the existing sewer lines.
- The developer shall be responsible for the continued maintenance of PC12306 sanitary sewer until the County formally accepts it for maintenance. All manholes, manholes and laterals shall be protected from damage and infiltration.
- EXISTING SEWER SYSTEM SHALL BE OPERATIONAL AT ALL TIMES DURING CONSTRUCTION/RECONSTRUCTION. NOTIFY AFFECTED HOMEOWNERS AT LEAST 72 HRS IN ADVANCE.
- BACKWATER VALVES SHALL BE NECESSARY FOR LOTS/BUILDINGS UNITS (NONE).**
- SEWER VIDEO OF ALL SEGMENTS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE (65%) AND COMPLETED FIELD ACCEPTANCE (98%). FINAL MAP AND AS-BUILT SEWER PLANS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE.
- MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION.



CONSTRUCTION NOTES	QUANTITIES
1. CONSTRUCT 8" VCP SANITARY SEWER.	134 L.F.
2. RE-CONSTRUCT EXISTING 8"x4" SEWER WYE.	1 EA.
3. CLEAN EXISTING 8" VCP SEWER FROM STATION 1+00 TO STATION 7+68.08.	566 L.F.
4. EXISTING MANHOLE TO BE RESURFACED.	1 EA.
REMOVAL NOTES	
1. REMOVED EXISTING 8" VCP SEWER.	134 L.F.

NO.	REVISION	REVISED BY	APPROVED BY	DATE

CONSTRUCTION NOTES:
 1. CONSTRUCT 8" VCP SANITARY SEWER.
 2. RE-CONSTRUCT EXISTING 8"x4" SEWER WYE.
 3. CLEAN EXISTING 8" VCP SEWER FROM STATION 1+00 TO STATION 7+68.08.
 4. EXISTING MANHOLE TO BE RESURFACED.

REMOVAL NOTES:
 1. REMOVED EXISTING 8" VCP SEWER.

AS PART OF IMPROVEMENT FOR PM NO. 073998 PC NO. 12306

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: *[Signature]* 4/4/18
 FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION.
 COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

LAND DEVELOPMENT DESIGN COMPANY, LLC
 2313 E. Philadelphia St., Ste. F
 Ontario, CA 91761
 (909) 930-1466 • FAX (909) 930-1468
 PLANNING • CIVIL • SURVEYING

REGISTERED PROFESSIONAL ENGINEER
 KEVIN J. RICHER
 No. 43714
 Exp. 3/31/2019
 CIVIL
 STATE OF CALIFORNIA
 DATE: 4/20/18

SCALE: 1" = 40'

PLAN