

BENCH MARKS WATTS QUAD
BM Y11381 Elev. 96.351
NAIL IN SOUTH CURB, 13.5 METERS E/O BCR @ SE COR IMPERIAL HIGHWAY AND COMPTON AVE.
NAVD 88 2005 ADJ.

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.

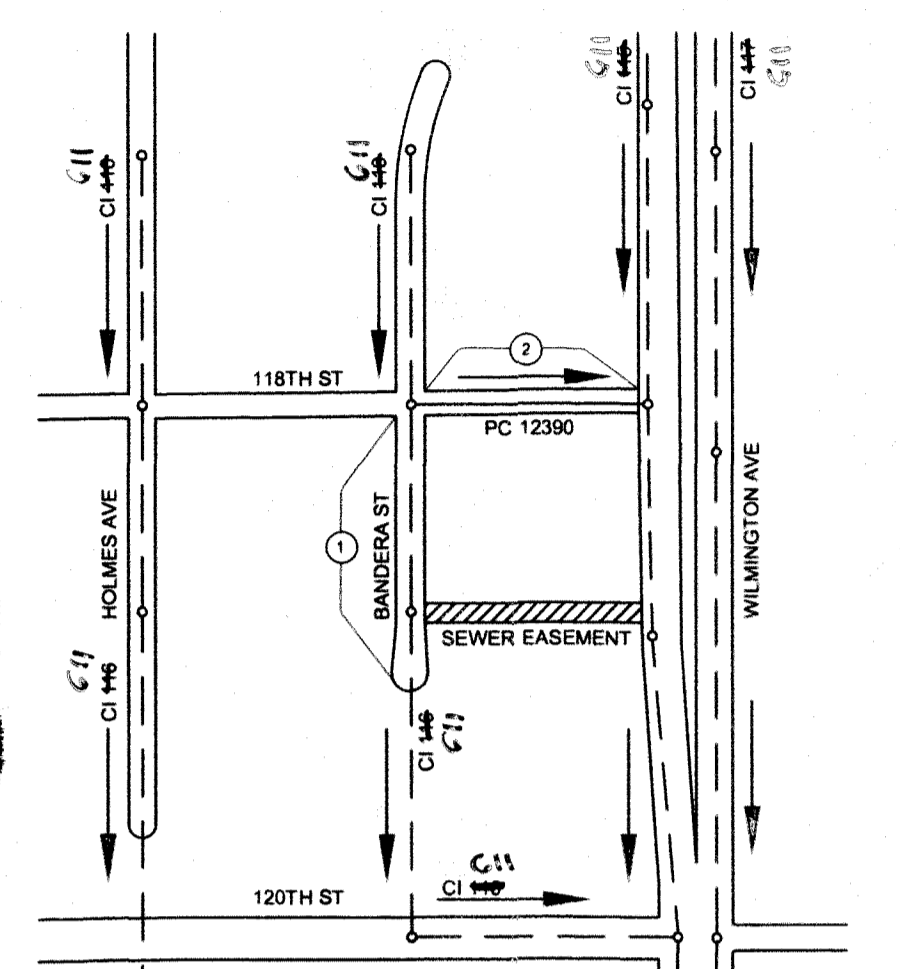
A. NOTES:
1. Every effort should be made to eliminate the discharge of non-stormwater from the project site at all times.
2. Eroded sediments and other pollutants must be retained on-site and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses or wind.
3. Stockpiles of earth and other construction related materials must be protected from being transported from the site by the force of wind or water.
4. 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.
5. 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.
6. Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersal by wind.
7. 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.
8. Any slopes with disturbed soils or denuded of vegetation must be stabilized so as to inhibit erosion by wind and water.
9. The following BMPs as outlined in, but not limited to, the latest edition of the California BMP Handbook (Construction) or Caltrans Stormwater Quality Handbooks (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
The following general notes are to be included on page 1 of all Private Contract Sewer Plans:
1. 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 such as road excavation, Caltrans, etc., must be filed with the permit application.
2. 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 of that City to determine the location to pay the inspection fees.
3. When work is encroaching into Flood Control District/assessments and/or crossing it's facilities, a Flood Control permit shall be obtained from the Los Angeles County Flood Control District at https://fdca.lacounty.gov at least 4 weeks prior to your desired start-up date. If you need additional information, you may contact Land Development Division - Permits Section Public Counter at 626-458-4921.
4. 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.
5. 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.
6. The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
7. 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 or the existence or nonexistence of any underground utility pipe or structure within the limits of this project. This note applies to all pages.
8. 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.
9. 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. 8008-1.
10. Elevations are in feet above U.S.C. and C.S. sea level datum of 1988.
11. No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works.
12. No representation of the County of Los Angeles Department of Public Works will survey or layout any portion of the work.
13. 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, as design points which are in feet above U.S.C. and C.S. sea level datum of 1988. The grade shall be established so as to conform to a straight line drawn between said design points.
14. 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 identifying plant markers. All house laterals shall be constructed in a straight line 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 indicated in writing by the private engineer.
15. 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.
16. An approved backwater valve is required when the pad is lower in elevation than the top of the next upstream manhole.
17. Contact Environmental Programs Division for an Industrial Waste Discharge Permit at (626) 458-3517.

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED
CUP NO. 2017-005814
1854 E 118TH ST. LOS ANGELES, CA 90059
PC NO. 12390
COUNTY OF LOS ANGELES CALIFORNIA
CSMD INDEX S-1755

MARK PESTRELLA LA COUNTY DIRECTOR OF PUBLIC WORKS
APPROVED BY LAND DEVELOPMENT DIVISION
BY: [Signature] 12/26/18
ASSISTANT DIVISION ENGINEER DATE
SUBMITTED: [Signature] 12/29/18
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE

COUNTY SANITATION DISTRICT NO. 1
OF LOS ANGELES COUNTY, CALIFORNIA
GRACE ROBINSON HYDE - CHIEF ENGINEER AND GENERAL MANAGER
APPROVED BY: [Signature] DATE: 1/10/19
OFFICE ENGINEER



EROSION CONTROL

EC1 SCHEDULING	NS1 WATER CONSERVATION PRACTICES	WM1 MATERIAL DELIVERY AND STORAGE
EC2 PRESERVATION OF EXISTING VEGETATION	NS2 Dewatering Operations	WM2 MATERIAL USE
EC3 HYDRAULIC MULCH	NS3 PAVING AND GRINDING OPERATIONS	WM3 STOCKPILE MANAGEMENT
EC4 HYDROSEEDING	NS4 TEMPORARY STREAM CROSSING	WM4 SPILL PREVENTION AND CONTROL
EC5 SOIL SHIELDS	NS5 CLEAR WATER DIVERSION	WM5 SOIL WASTE MANAGEMENT
EC6 STRAW MULCH	NS6 HAZARDOUS WASTE MANAGEMENT	WM6 HAZARDOUS WASTE MANAGEMENT
EC7 GEOTEXTILES & MATS	NS7 ELECOT CONNECTION/DISCHARGE	WM7 CONTAMINATION SOIL MANAGEMENT
EC8 WOOD MULCHING	NS7 POTABLE WATER IRRIGATION	WM8 CONCRETE WASTE MANAGEMENT
EC9 EARTH DICES AND DRAINAGE SHALES	NS8 VEHICLE AND EQUIPMENT CLEANING	WM9 SANITARY/SEPTIC WASTE MANAGEMENT
EC10 VELOCITY DISSIPATION DEVICES	NS9 VEHICLE AND EQUIPMENT FUELING	WM10 LIQUID WASTE MANAGEMENT
EC11 SLOPE GRASS	NS10 VEHICLE AND EQUIPMENT MAINTENANCE	TEMPORARY SEDIMENT CONTROL
EC12 STREAMBANK STABILIZATION	NS11 PILE DRIVING OPERATIONS	SE1 SILT FENCE
EC13 RESERVED	NS12 CONCRETE CURING	SE2 SEDIMENT BASIN
EC14 COMPOST BLANKETS	NS13 CONCRETE FINISHING	SE3 SEDIMENT TRAP
EC15 SOIL PREPARATION/ROUGHENING	NS14 MATERIAL AND EQUIPMENT USE	SE4 CHECK DAM
EC16 NON-VEGETATED STABILIZATION	NS15 DEMOLITION ADJACENT TO WATER	SE5 FIBER ROLLS
	NS16 TEMPORARY BATCH PLANTS	SE6 GRAVEL BAG BERM

WIND EROSION CONTROL

WE1 WIND EROSION CONTROL

EQUIPMENT TRACKING CONTROL

TC1 STABILIZED CONSTRUCTION ENTRANCE EXIT
TC2 STABILIZED CONSTRUCTION ROADWAY
TC3 ENTRANCE/EXIT TIRE WASH

NOTICE TO CONTRACTOR:
SEWER VIDEO OF ALL SEGMENTS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE (95%) 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.
DO NOT ACCEPT THIS PC 12390 UNTIL THE REQUIRED SEWER EASEMENT AS INDICATED ON PAGE 2 HAS BEEN DEDICATED.
SEWER LATERALS ON PLANS ARE SHOWN FOR REFERENCE ONLY.
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 PC 12390 SANITARY SEWER UNTIL THE COUNTY FORMALLY ACCEPTS IT FOR MAINTENANCE. ALL MAINLINES, 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.

CONSTRUCTION NOTES
1. Provide survey stakes on the property line or property lines produced at right angles to the sewer line at the centerline of each manhole.
2. Vitrified clay pipe joints shall be type "D" or "Q" per Standard Specifications for Public Works Construction Section 208-2.
3. 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.
4. All joints between cast-iron pipe and vitrified clay shall be made with a rubber sleeve joint, type "D" (with gasket if necessary), per Standard Specifications for Public Works Construction Section 208-2.
5. House laterals to be constructed with inverts at the property line 6 feet below curb grade except as noted.
6. Wye or tee branches may be used for connections to the mainline sewers except as noted.
7. 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.
8. All structures shall be either brick sewer manholes per LACDPW Standard Plan S-3 (SPPWC 203-2), or precast concrete sewer manholes per LACDPW Standard Plan S-36 (SPPWC 203-1), or reinforced precast manhole per LACDPW Standard Plan 2023-2, except as noted.
9. Resurface all trenches within paved areas to meet Department of Public Work or California State Highway requirements in accordance with the permits.
10. 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 permittee prior to the issuance of a Certificate of Partial Acceptance.
11. All backfill and fill 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 1557-75, 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.
12. Manhole tops in unimproved rights of way to be six inches above finished grade.
13. Sewers to be tested for leakage per Section 306-1.4 of the "Standard Specification for Public Works Construction" and "Special Provisions for the Construction of Sanitary Sewer," if applicable.
14. Manhole tops in improved rights of way to be level with finished grade.
15. 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.
16. All pipe materials shall be extra strength vitrified clay pipe or ductile iron pipe or other approved materials by the County of Los Angeles Department of Public Works.
17. All Ductile Iron pipe shall be lined with Protecto 401 Ceramic Epoxy lining.
18. Cured in place pipe liner shall be used for all extra vitrified clay pipe if lining is required.
19. All chimneys shall have terminal cleanout structure per SPPWC std. plan 204-2 with traffic rated frame cover.
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 of the location in accordance with section 8771 of the business and professions code. I further attest that I have performed a record search and field inspection to identify existing monuments; shall set sufficient control, witness, and permanent monuments; and shall file the requisite corner record or record of survey of the references with the County Surveyor.
[Signature] 11/30/18
Engineer/Surveyor Seal and Signature Date

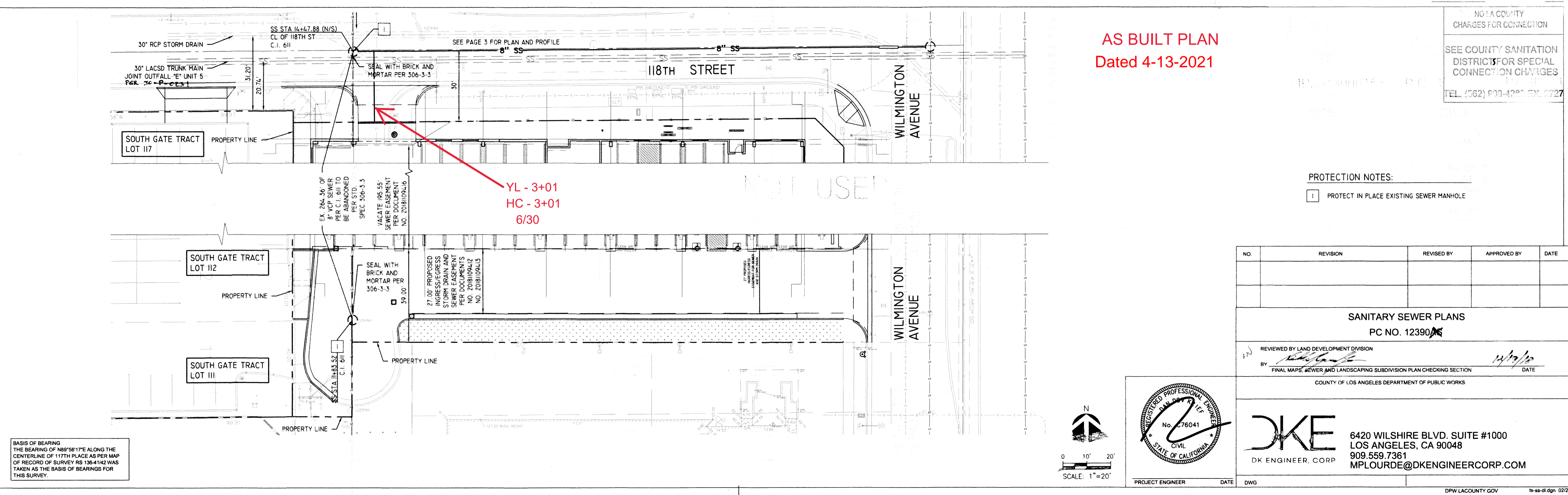
AS BUILT PLAN
DATED: 4-13-2021

BUILDING AND SAFETY DISTRICT OFFICE: SCALE: 1" = 200' CSMD INDEX S-1755
NOTES: NUMBER IN CIRCLE INDICATES PAGE NUMBER. ALL MAINLINE SANITARY SEWERS ARE WITHIN THE SANITARY SEWER EASEMENT (IF APPLICABLE).
P.C. 12390 TR. NO. SOUTH GATE THOMAS GUIDE PAGE: 704-07

NO.	REVISION	REVISED BY	APPROVED BY	DATE

COUNTY SANITATION DISTRICT (CSD) NOTES
1. No connection for the disposal of industrial wastewater shall be made to the sewers shown on these drawings until a permit for industrial wastewater discharge has been issued by CSD for said connection.
2. Prior to final acceptance of the project, notify CSD Superintendent of Maintenance at (818) 310-638-1614 to support completion of construction of this local sewer that indirectly connects to the CSD sewer system.
3. see right.
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.
3. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A MIN. 3' CLEARANCE FROM THE EXISTING EXPOSED SEWER LINES AND MANHOLES. IF THE ALIGNMENT OF ANY EXISTING SEWER LINES OR MANHOLES MUST BE MOVED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE RECONSTRUCTION OF THE EXISTING SEWER LINES AND MANHOLES.

PRIVATE ENGINEERS NOTICE TO CONTRACTORS:
THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS IS BASED ON 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 UTILITIES NOT SHOWN ON THIS DRAWING. PRIOR TO EXCAVATION THE CONTRACTOR SHALL CALL 811 TO IDENTIFY THE UNDERGROUND LOCATION OF GAS AND TELEPHONE LINES. THE CONTRACTOR SHALL ALSO CALL 811 TO IDENTIFY THE UNDERGROUND LOCATION OF TELEPHONE LINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE LOCATION OF UNDERGROUND TELEPHONE LINES.
[Signature] 12/17/18
PROJECT ENGINEER C76041 DATE



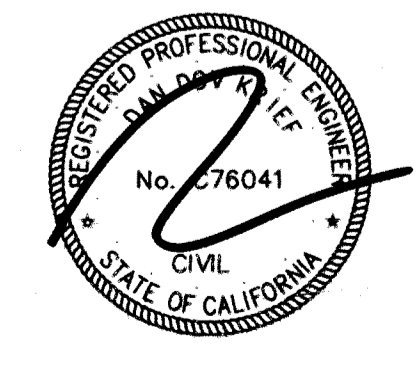
AS BUILT PLAN
Dated 4-13-2021

NO. 1 COUNTY CHARGES FOR CONNECTION
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL: (562) 900-4200 FAX: 6727

PROTECTION NOTES:
1. PROTECT IN PLACE EXISTING SEWER MANHOLE

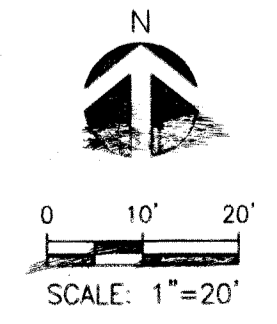
NO.	REVISION	REVISED BY	APPROVED BY	DATE

SANITARY SEWER PLANS
PC NO. 12390
REVIEWED BY LAND DEVELOPMENT DIVISION
BY: [Signature] 12/17/18
FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS



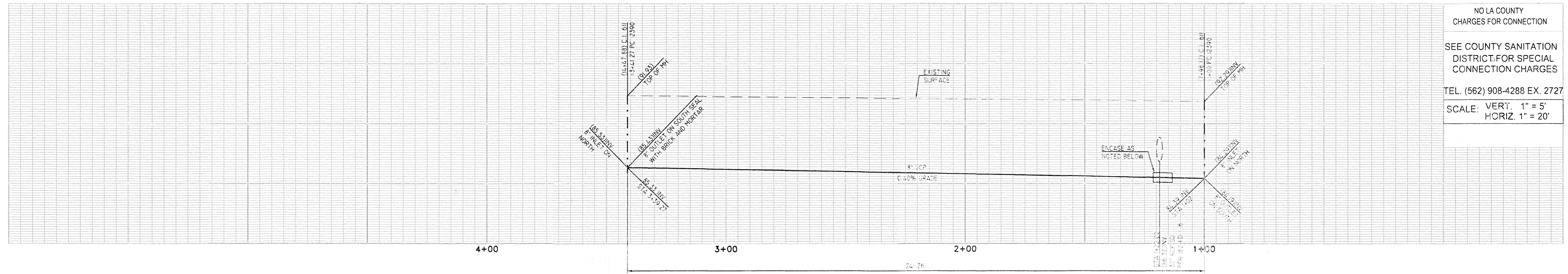
DKE
DK ENGINEER, CORP.
6420 WILSHIRE BLVD. SUITE #1000
LOS ANGELES, CA 90048
909.559.7361
MPLOURDE@DKENGINEERCORP.COM

BASIS OF BEARING
THE BEARING OF N89°56'17"E ALONG THE CENTERLINE OF 117TH PLACE AS PER MAP OF RECORD OF SURVEY RS 136-4142 WAS TAKEN AS THE BASIS OF BEARINGS FOR THIS SURVEY.



NO LA COUNTY CHARGES FOR CONNECTION
SEE COUNTY SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
TEL. (562) 908-4288 EX. 2727
SCALE: VERT. 1" = 5'
HORIZ. 1" = 20'

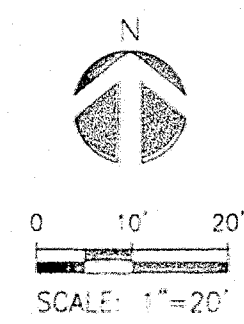
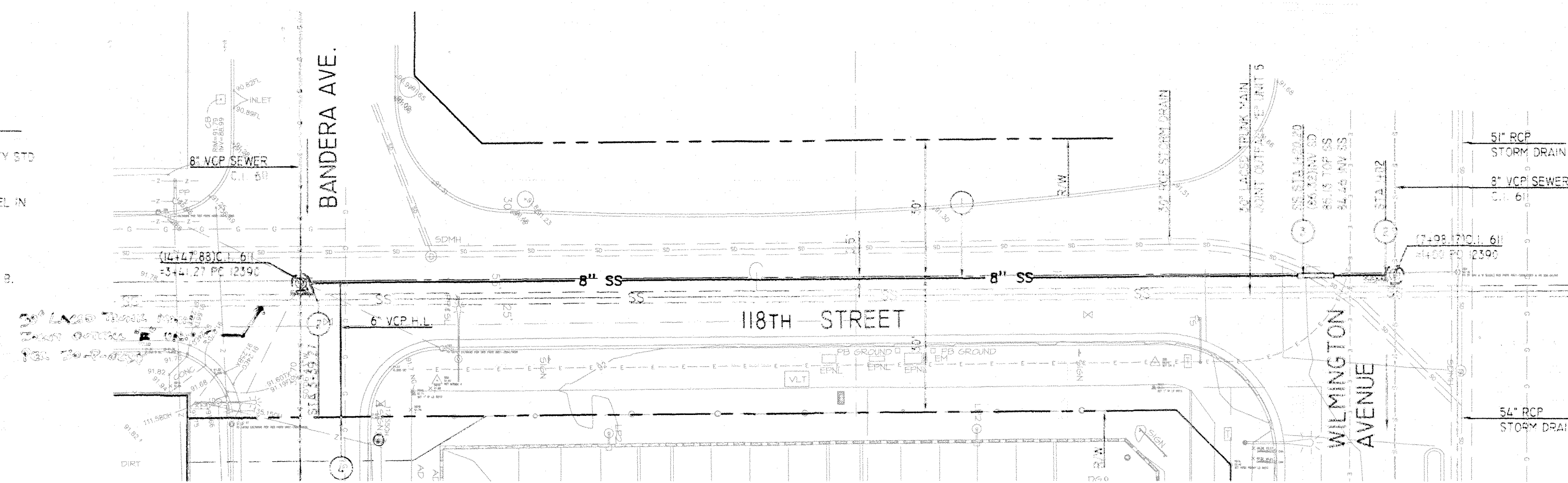
SHEET 2



AS BUILT PLAN DATED: 4-13-2021

CONSTRUCTION NOTES:

- 1. INSTALL 24" R.I.P. UP 8" VCP SEWER MAIN. BEDDING PER LA COUNTY STD PLAN 202-11.
- 2. BREAK INTO EXISTING SEWER MANHOLE AND FORM NEW CHANNEL IN BASE PER SPPWC DETAIL 003-2.
- 3. ENCASE 10' OF 8" VCP PER LADPW STD PLAN 2023-2, CASE 2.
- 4. INSTALL SEWER HOUSE CONNECTION PER SPPWC 202-11, PROFILE B.



REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: [Signature] DATE: [Date]
 FINAL MAPS SP/18/2021 LANDSCAPING SUBDIVISION PLAN EXH. 4 - NO. 12390

NOT USED