

BENCHMARK Y7270
 L&T IN NORTH CURB 12FT EAST OF BCR AT NE COR.
 CENTERLINE LEFFINGWELL RD & MEYER RD.
 NORWALK QUAD (2005 ADJ) ELEV. 111.606

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:**
- 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 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 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 deposits must be swept up immediately and may not be transported from the site via sheet flow, swales, area drains, natural drainage courses or wind.
 - 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 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)

- EROSION CONTROL**
- EC1 SCHEDULING
 - EC2 PRESERVATION OF EXISTING VEGETATION
 - EC3 HYDRAULIC MULCH
 - EC4 HYDROSEEDING
 - EC5 SOIL BARRIERS
 - EC6 STRAW MULCH
 - EC7 GEOTEXTILES & MATS
 - EC8 WOOD MULCHING
 - EC9 EARTH DIKES AND DRAINAGE SWALES
 - EC10 VELOCITY DISSIPATION DEVICES
 - EC11 SLOPE DRAINS
 - EC12 STREAMBANK STABILIZATION
 - EC13 RESERVED
 - EC14 COMPOST BLANKETS
 - EC15 SOIL PREPARATION/ROUGHENING
 - EC16 NON-VEGETATED STABILIZATION
 - EC17 WIND EROSION CONTROL
 - WE1 WIND EROSION CONTROL
- NON-STORM WATER MANAGEMENT**
- NS1 WATER CONSERVATION PRACTICES
 - NS2 DEWATERING OPERATIONS
 - NS3 PAVING AND GRINDING OPERATIONS
 - NS4 TEMPORARY STREAM CROSSINGS
 - NS5 CLEAR WATER DIVERSION
 - NS6 ILLICIT CONNECTION/CHARGE
 - NS7 PORTABLE WATER/IRRIGATION
 - NS8 VEHICLE AND EQUIPMENT CLEANING
 - NS9 VEHICLE AND EQUIPMENT FUELING
 - NS10 VEHICLE AND EQUIPMENT MAINTENANCE
 - NS11 FUEL DRIVING OPERATIONS
 - NS12 CONCRETE CURING
 - NS13 CONCRETE FINISHING
 - NS14 MATERIAL AND EQUIPMENT USE
 - NS15 DEMOLITION ADJACENT TO WATER
 - NS16 TEMPORARY BATCH PLANTS
- 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 SOIL MANAGEMENT
 - WM8 CONCRETE WASTE MANAGEMENT
 - WM9 SANITARY/SEPTIC WASTE MANAGEMENT
 - WM10 LIQUID WASTE MANAGEMENT
- TEMPORARY SEDIMENT CONTROL**
- SE1 SILT FENCE
 - SE2 SEDIMENT BASIN
 - SE3 SEDIMENT TRAP
 - SE4 CHECK DAM
 - SE5 FIBER ROLLS
 - SE6 GRAVEL BAG BERM
 - SE7 STREET SWEEPING AND VACUUMING
 - SE8 SANDBAG BARRIER
 - SE9 STRAW BALE BARRIER
 - SE10 STORM DRAIN INLET PROTECTION
 - SE11 ACTIVE TREATMENT SYSTEMS
 - SE12 TEMPORARY SLOTTED DRAIN
 - SE13 COMPOST SOCKS & BERMS
 - SE14 BIODEGRADABLE BAGS
- 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
- 2000-0 Legend for sanitary sewer plans and profiles and district maps.
 - 2002-1 Bedding for sewer pipe.
 - 2002-2 Precast concrete shallow manhole.
 - 2003-2 Reinforced precast concrete manhole.
 - 2004-1 Rectangular shallow manhole.
 - 2014-1 Rectangular manhole frame and cover.
 - 2015-1 Standard manhole step.
 - 2021-1 Bedding for sewer pipe.
 - 2023-2 Cradling and encasement.
 - 2034-1 WYE or Tee support.
 - 2026-1 Erosion protection in steep slopes.
 - 2027-1 allowable trench width.
 - 6008-1 Minimum public safety requirements.
 - 2100-1 Requirements for sanitary sewers near water mains.
 - 221-2 Pipe anchors and backfill stabilizers.
 - 222-2 House connection sewer.
 - 223-2 House connection remodeling.
 - 225-2 Blanket protection for pipes.
- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPFWC)**
- 200-3 Precast Concrete Sewer Manhole
 - 207-2 Precast reinforced concrete manhole base.
 - 208-2 Breaking into existing manholes.
 - 210-3 Manhole frame and cover locking type.
 - 220-3 Chimneys.
- 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 WASTEWATER DISCHARGE HAS BEEN ISSUED BY CSD FOR SAID CONNECTION.
 - 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.

PRIVATE CONTRACT SEWER GENERAL NOTE

- 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, 900 South Fremont Avenue, 3rd Floor, Alhambra, at least 72 hours prior to starting work under this permit. Copies of all other required permits, such as road excavation, Callans, 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 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. 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 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 7-10.4.2 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. 6008-1.
- 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 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 staking for all house laterals and "T" and "Y" 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 except at right angles from the main line sewer except as shown on the plans. House laterals shall not have an angle of less than 45 degrees with the M.L. 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.
- Vitrified clay pipe joints shall be type "D" or "G" 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 2003-2, 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 4 feet below curb grade except as noted.
- Wye or tee branches may be used for connections to the main 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 2003-2, 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 5-3 (SPFWC 203-2), or precast concrete sewer manholes per LACDPW Standard Plan 5-3e (SPFWC 200-3), or reinforced precast manhole per LACDPW Standard Plan 2003-2, except as noted.
- Resurfacing of 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 permittee 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 1557-78, 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.
- 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.
- 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 extra strength vitrified clay pipe or ductile iron pipe or other approved materials by the County of Los Angeles Department of Public Works.
- All sanitation sewer pipe joints shall be mechanical compression joints to be in compliance with NPDES-M54 permit.
- All Ductile iron pipe shall be lined with Protecto 401 Ceramic Epoxy lining.
- Cured in place pipe liner shall be used for all extra vitrified clay pipe if lining is required.

MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION.

SEWER VIDEOS OF ALL SEGMENTS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE (85%) AND COMPLETED FIELD ACCEPTANCE (95%). FINAL MAP AND AS-BUILT SEWER PLANS SHALL BE SUBMITTED PRIOR TO PARTIAL FIELD ACCEPTANCE.

SEWER LATERALS SHOWN ON PLANS ARE FOR REFERENCE ONLY.

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.

ALL SANITARY SEWER MANHOLE SHAFTS AND FRAMES SHALL BE WATERTIGHT

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN TRACT NO. 54244 PC NO. 12183 2 SHEETS: 3 PAGES COUNTY OF LOS ANGELES CALIFORNIA CSMD INDEX C-2079,C-2080

LAND COUNTY DIRECTOR OF PUBLIC WORKS
 GAIL FARRER APPROVED BY LAND DEVELOPMENT DIVISION (FOR CITY PROJ.) REFERENCE "APPROVED" TO "RECOMMENDED"

BY: *[Signature]* 3/10/16 DATE
 ASSISTANT DIVISION ENGINEER

SUBMITTED BY: *[Signature]* 3/10/16 DATE
 FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

COUNTY SANITATION DISTRICT NO. 18
 OF LOS ANGELES COUNTY CALIFORNIA
 GRACE ROBINSON HYDE - CHIEF ENGINEER and GENERAL MANAGER

APPROVED BY: *[Signature]* DATE: 3-15-2016
 AN OFFICE ENGINEER

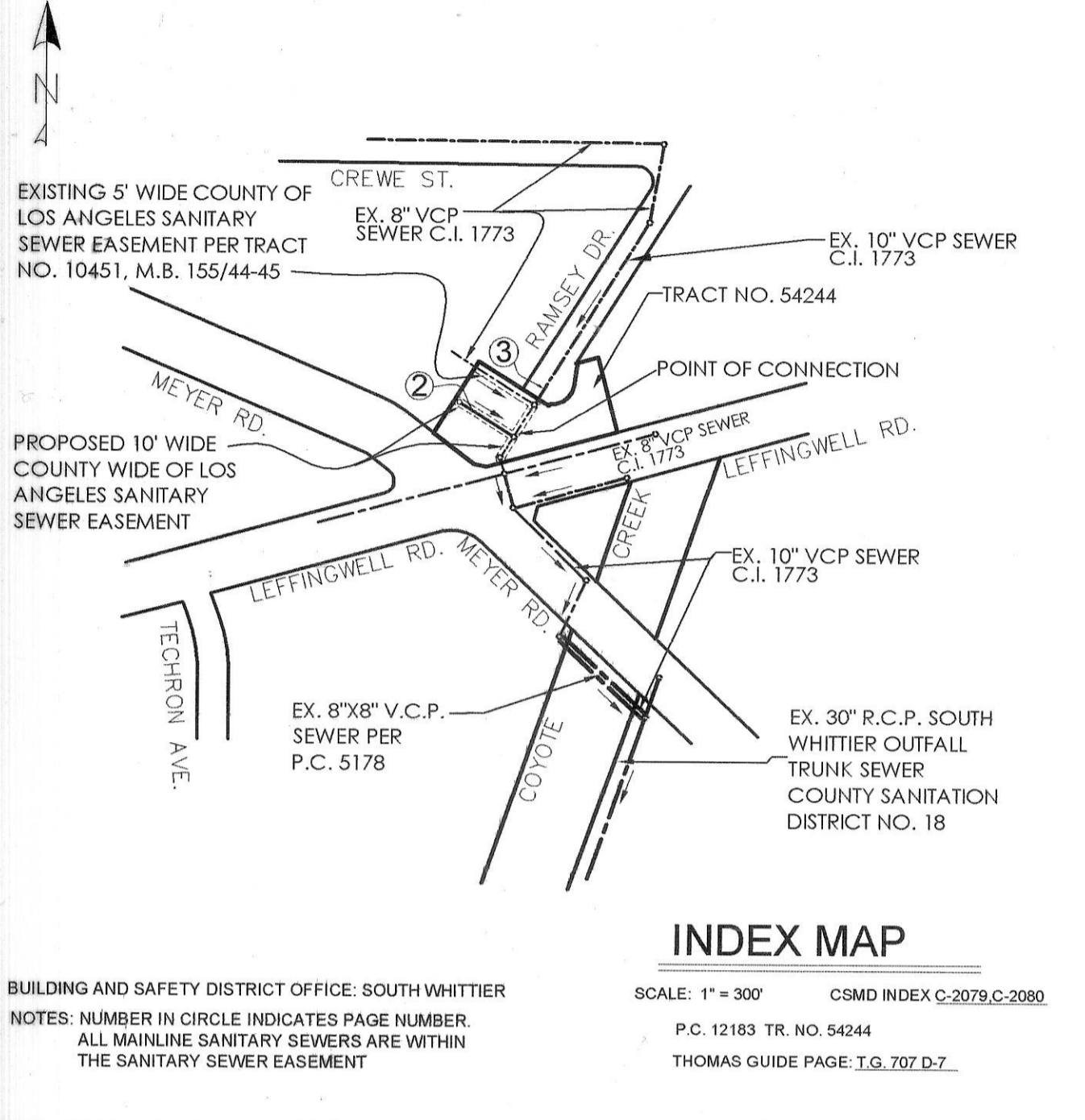
SURVEYOR'S STATEMENT REGARDING THE PRESENCE OF MONUMENTS WITHIN PROJECT LIMITS

I HEREBY ATTEST THAT I HAVE LOCATED AND REFERENCED ON THESE PLANS THE MONUMENTS EXISTING PRIOR TO CONSTRUCTION TO ENSURE PERPETUATION OF THEIR 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 CONTROLLING, WITNESS, AND PERMANENT MONUMENTS; AND SHALL FILE THE REQUISITE CORNER RECORD OR RECORD OF SURVEY OF THE REFERENCES WITH THE COUNTY SURVEYOR.

[Signature] 3-3-16 DATE
 CATHERINE A. CONNEN
 LS 5414
 LICENSED LAND SURVEYOR
 STATE OF CALIFORNIA
 NO. 5111
 EXP. 09-30-2016

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

[Signature] 3-3-16 DATE
 PROJECT ENGINEER RCE NO. 34495

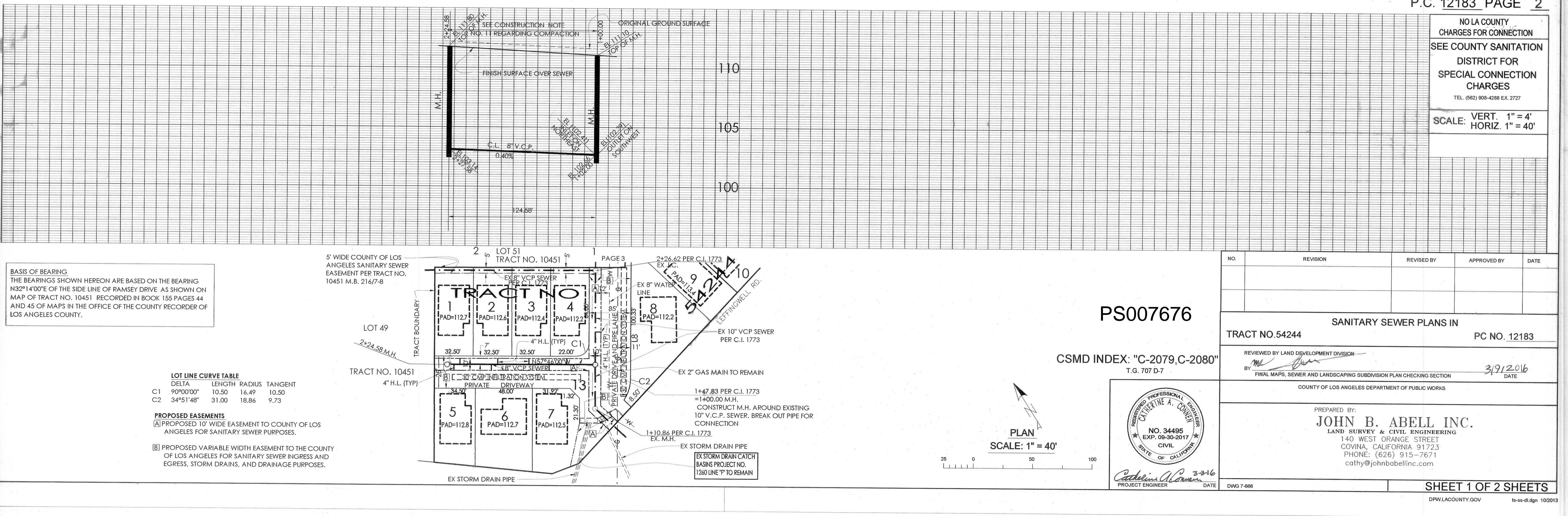


BUILDING AND SAFETY DISTRICT OFFICE: SOUTH WHITTIER

NOTES: NUMBER IN CIRCLE INDICATES PAGE NUMBER.
 ALL MAINLINE SANITARY SEWERS ARE WITHIN THE SANITARY SEWER EASEMENT

SCALE: 1" = 300' CSMD INDEX C-2079,C-2080
 P.C. 12183 TR. NO. 54244
 THOMAS GUIDE PAGE: T.G. 707 D-7

NO.	REVISION	REVISED BY	APPROVED BY	DATE



BASIS OF BEARING:
 THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING N32°14'00"E OF THE SIDE LINE OF RAMSEY DRIVE AS SHOWN ON MAP OF TRACT NO. 10451 RECORDED IN BOOK 155 PAGES 44 AND 45 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF LOS ANGELES COUNTY.

LOT LINE CURVE TABLE

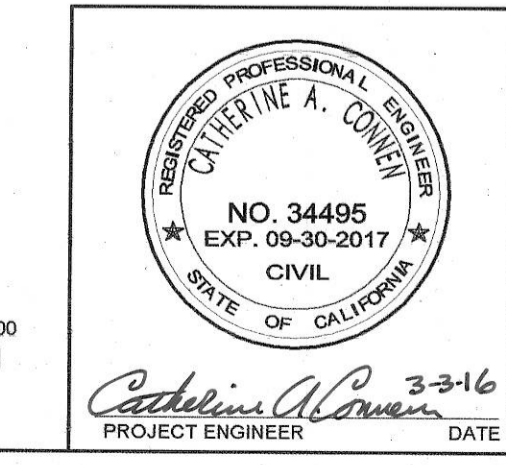
CURVE	DELTA	LENGTH	RADIUS	TANGENT
C1	90°00'00"	10.50	16.49	10.50
C2	34°51'48"	31.00	18.86	9.73

PROPOSED EASEMENTS

- PROPOSED 10' WIDE EASEMENT TO COUNTY OF LOS ANGELES FOR SANITARY SEWER PURPOSES.
- PROPOSED VARIABLE WIDTH EASEMENT TO THE COUNTY OF LOS ANGELES FOR SANITARY SEWER INGRESS AND EGRESS, STORM DRAINS, AND DRAINAGE PURPOSES.

PS007676

CSMD INDEX: "C-2079,C-2080"
 T.G. 707 D-7



PREPARED BY:
JOHN B. ABELL INC.
 LAND SURVEY & CIVIL ENGINEERING
 140 WEST ORANGE STREET
 COVINA, CALIFORNIA 91723
 PHONE: (626) 915-7671
 cathy@johnabellinc.com

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: *[Signature]* 3/9/2016 DATE
 FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS

SHEET 1 OF 2 SHEETS
 DWG 7-686

TRACT NO. 24544-BC NO. 15183-2 SHEET 1

NO LA COUNTY CHARGES FOR CONNECTION SEE COUNTY SANITATION DISTRICT FOR SPECIAL CONNECTION CHARGES
 TEL. (562) 908-4288 EX. 2727
 SCALE: VERT. 1" = 4'
 HORIZ. 1" = 40'

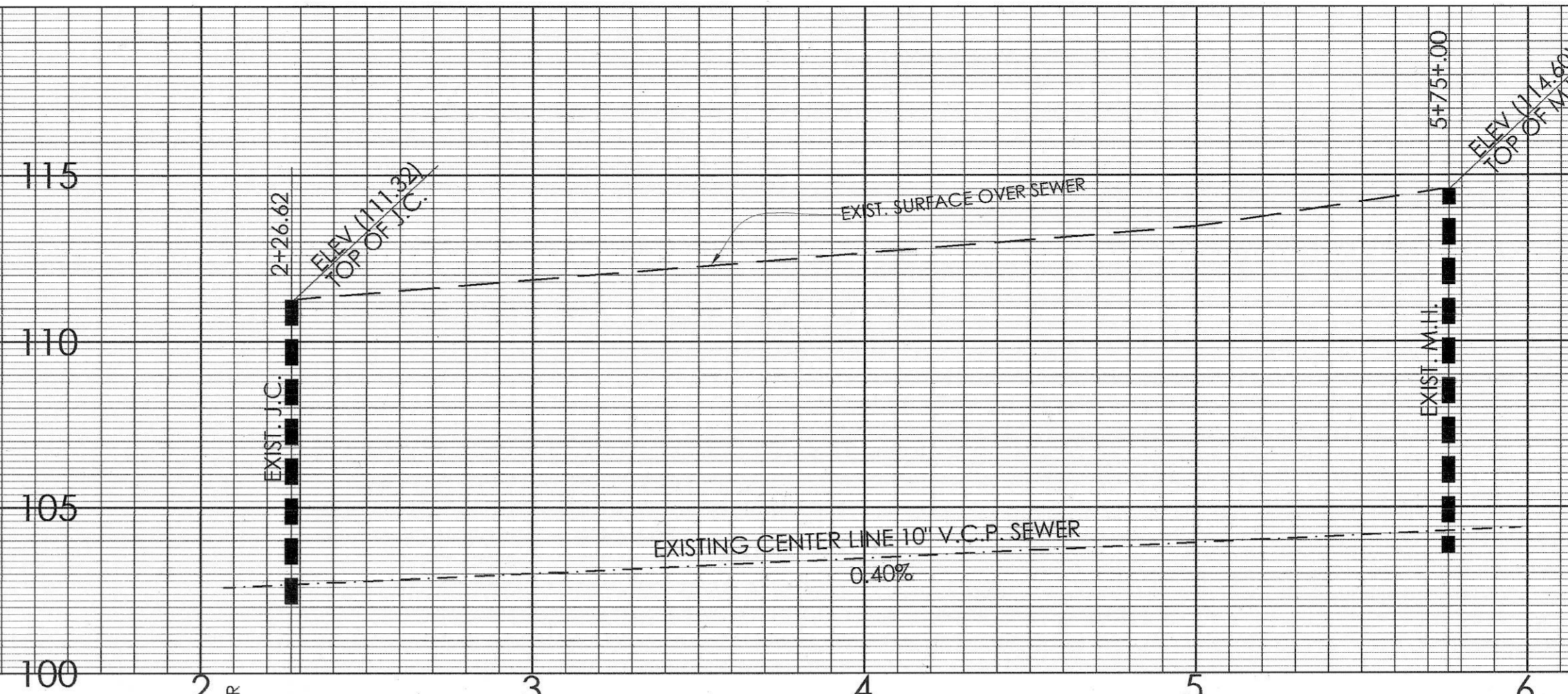
PROFILE, ALIGNMENT, AND GRADE OF

No L.A. Co. CHARGES FOR CONNECTIONS

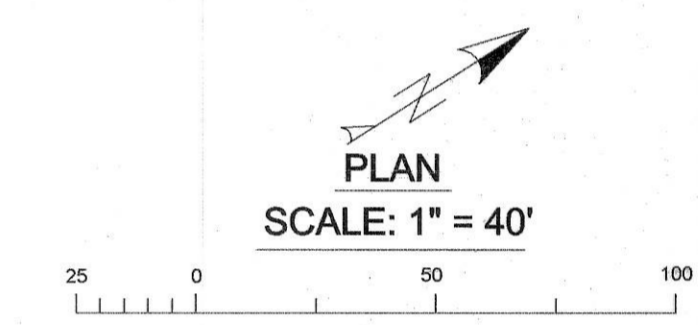
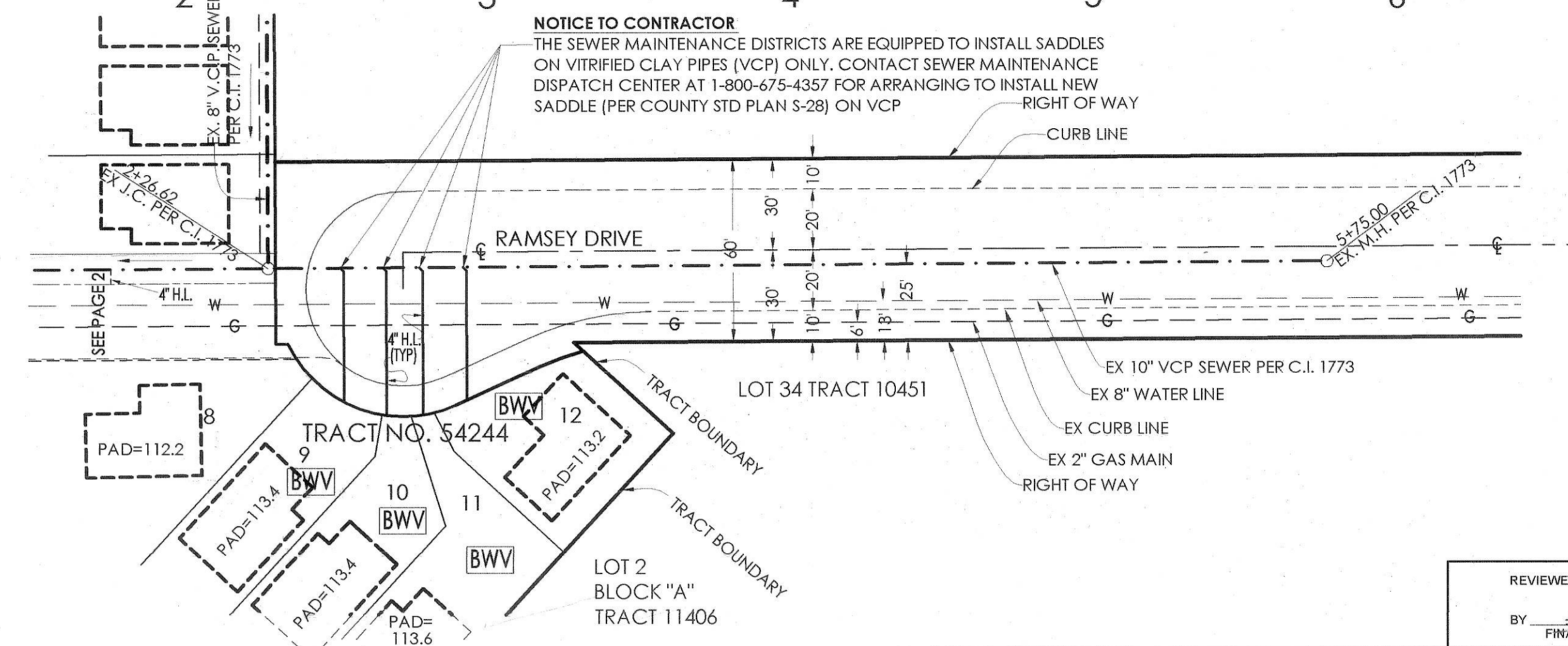
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL. (562) 908-4288 EX. 2727

PROFILE SCALE 1"=4'



NOTICE TO CONTRACTOR
 THE SEWER MAINTENANCE DISTRICTS ARE EQUIPPED TO INSTALL SADDLES ON VITRIFIED CLAY PIPES (VCP) ONLY. CONTACT SEWER MAINTENANCE DISPATCH CENTER AT 1-800-675-4357 FOR ARRANGING TO INSTALL NEW SADDLE (PER COUNTY STD PLAN 5-28) ON VCP



REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: *[Signature]*
 FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION
 DATE: 3/12/06

No L.A. Co. CHARGES FOR CONNECTIONS

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

TEL. (562) 908-4288 EX. 2727

PROFILE SCALE 1"=4'

PS007676

SHEET 2 OF 2 SHEETS

TRACT NO. 24544-BC NO. 15183-SHEET 2

V:\CADD\DWG\CIVIL_3D\PROJECTS\15183-BC\15183-BC-02.dwg 9/16/2011 12:10 PM