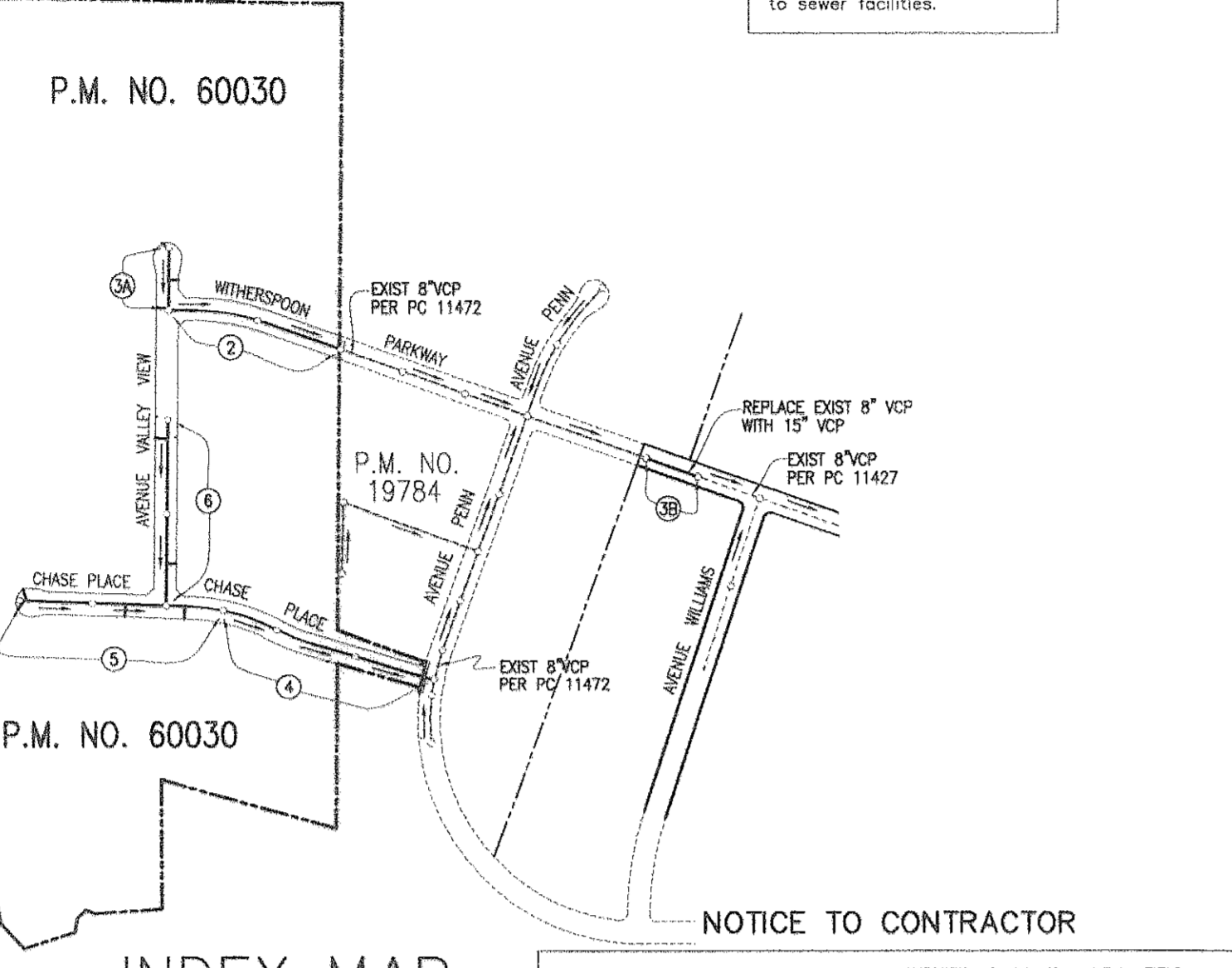


BENCH MARK: L.A.C.D.P.W. L 3975
RD BM TAG IN NE COR HDWL BRIDGE #53-09 20 FT E/O C/L THE OLD RD & 0.1 MI S/O HASLEY CYN RD
NEW HALL QUAD (1993) ELEV. 1038.099

THE BEARINGS SHOWN HEREON ARE BASED ON THE BEARING N19°58'50" E OF THE CENTERLINE OF AVENUE PENN AS SHOWN ON MAP OF PARCEL MAP NO. 19784 FILED IN BOOK 289 PAGES 61 TO 67, INCLUSIVE, OF PARCEL MAPS, RECORDS OF LOS ANGELES COUNTY.



08.29 Santa Clarita
BUILDING AND SAFETY DISTRICT OFFICE: Santa Clarita
SCALE: 1"=600'
CSDM INDEX N-1177
P.C. 12180
THOMAS GUIDE PAGE: 4459/ E-8, F-8

NO.	REVISION	REVISED BY	APPROVED BY	DATE
1	REV. TOP OF CURB GRADE LINE, TOP OF MANHOLE ELEVATIONS, INVERT ELEVATIONS, STORM DRAIN PROFILE, LOT LINES AND PAD ELEVATIONS	[Signature]	[Signature]	9/1/15

For 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

- 1. Erosion sediments and other pollutants must be retained on site and may not be transported from the site via sheetflow, swales, urea drains, natural drainage courses or wind.
- 2. Stockpiles of earth and other construction related materials must be protected from being transported from the site by the forces of wind or water.
- 3. 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 may not be washed into the drainage system.
- 4. 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.
- 5. Trash and construction related solid wastes must be deposited into a covered receptacle to prevent contamination of rainwater and dispersed by wind.
- 6. 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.
- 7. Any slopes with disturbed soils or denuded vegetation must be stabilized so as to inhibit erosion by wind and water.
- 8. The following BMP's as outlined in, but not limited to, the CALIFORNIA STORMWATER QUALITY ASSOCIATION, 2009 CONSTRUCTION BMP HANDBOOK/PORTEL, or the latest revised edition, may apply during the construction of this project (additional measures may be required if deemed appropriate by county inspector, the project engineer or building official):

- EROSION CONTROL**
EC11 - Scheduling
EC2 - Preservation of Existing Vegetation
EC3 - Hydraulic Mulch
EC4 - Hydroseeding
EC5 - Soil Shelters
EC6 - Straw Mulch
EC7 - Geotextiles and Mats
EC8 - Wood Mulching
EC9 - Earth Dikes and Drainage Swales
EC10 - Velocity Dissipation Devices
EC11 - Slope Drains
EC12 - Streambank Stabilization
EC13 - Retention
EC14 - Compost Blankets
EC15 - Soil Preparation/Roughening
EC16 - Non-vegetated Stabilization
- EQUIPMENT TRACKING CONTROL**
TC1 - Stabilized Construction Entrance/Exit
TC2 - Stabilized Construction Roadway
TC3 - Entrance/Outlet Tire Wash
- WIND EROSION CONTROL**
WE1 - Wind Erosion Control

- STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPWC)**
207-2 Precast reinforced concrete manhole base
208-2 Breaking into existing manholes
210-2 Manhole frame and cover locking type
220-3 Chimneys
- 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.**
- NOTES:**
ANY DAMAGE TO SEWER LINE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/OWNER, WHERE APPLICABLE, THE SEWERS SHALL BE PROTECTED PER STD. PLAN 203-2 AT ALL SIGNIFICANT CROSSINGS.

PRIVATE CONTRACT SEWER GENERAL NOTES

- 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 at the Permit Counter, 900 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, California, etc., must be filed with the permit application.
- 2. 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 in advance of the construction of the sewer line.
- 3. 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.
- 4. 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.
- 5. The contractor shall contact the district office listed on the "Application for Construction Permit" to arrange for an acceptable construction start date.
- 6. 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 non-existence of any underground utility pipe or structure within the limits of this project. This note applies to all pages.
- 7. 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.
- 8. 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 the "Minimum Public Safety Requirement" as shown on Los Angeles Department of Public Works standard plan 600B-1.
- 9. Elevation are in feet above U.S.C. & G.S. sea level datum of 1988.
- 10. No revisions shall be made in these plans without the approval of the County of Los Angeles Department of Public Works.
- 11. 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 solid designed points. The grade shall be established so as to conform to a straight line drawn between said design points.
- 12. 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" or "T" branches and shall provide stakes for them at their proper locations with stationing 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 of less than 45 degrees with the M.L. sewer. Any change in alignment shall be requested in writing by the private engineer.
- 13. 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.
- 14. An approved backflow valve is required when the pad is lower in elevation than the top of the next upstream manhole.
- 15. Contact Environmental Programs Division for industrial waste discharge permit @ (828) 458-3517

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 "D" per "Standard Specifications for Public Works Construction" Section 208-2.
- 3. If a manhole is within three feet of the sewer, the sewer shall be encased per LADCPW standard plan 203-2, 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 bushing if necessary) per "Standard Specifications for Public Works Construction" Section 208-2.
- 5. House laterals to be constructed with inverts at the property line at the depth below curb grade except as noted.
- 6. Wye or tee branches may be used for connections to the mainline sewer 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 manhole or house lateral V.C.P. sewer which is not indicated on the plans, the pipes shall be encased per LADCPW standard plan 203-2, 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 LADCPW standard plan S-3 (SPWC 203-2), or precast concrete sewer manholes per LADCPW standard plan S-36 (SPWC 203-2), or reinforced precast concrete manhole per LADCPW standard plan 203-2, except as noted.
- 9. Resurface all trenches within paved areas to meet Department of Public Works or California State Highway requirements in accordance with the permits.
- 10. Full compliance 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 occupation.
- 11. 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.
- 12. Manhole tops in unimproved rights of way to be six inches above finished grade.
- 13. 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.
- 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' apart and when possible not closer than 5' to any manhole.
- 16. All pipe materials shall be vitrified clay pipe or ductile iron pipe or other materials approved by the County of Los Angeles Department of Public Works.
- 17. All sanitary sewer pipe joints shall be mechanical compression joints, to be in compliance with NPDES - MSA permit.
- 18. All ductile iron pipe shall be lined with Prokote 401 Ceramic Epoxy lining.
- 19. Cured in place pipe liner shall be used for all extra strength vitrified clay pipe if lining is required.

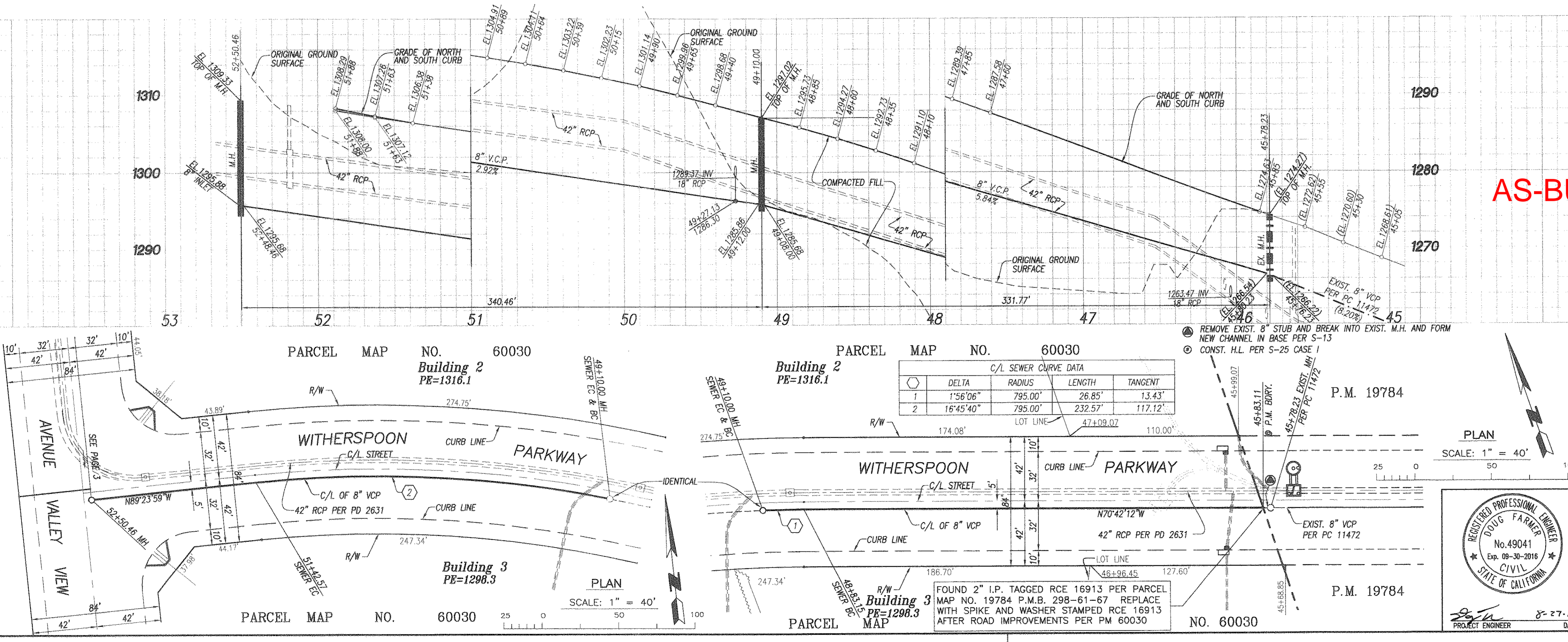
PROFILE, ALIGNMENT AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN
PARCEL MAP NO. 60030 PC NO. 12180R
3 SHEETS: 6 PAGES
COUNTY OF LOS ANGELES CALIFORNIA
CSDM INDEX N-1177

GAIL FARMER LOS ANGELES COUNTY DIRECTOR OF PUBLIC WORKS
APPROVED BY LAND DEVELOPMENT DIVISION
BY [Signature] 9/1/15
SUBMITTED [Signature] 9/1/15
SEWER AND WATER/LANDSCAPING SUBDIVISION PLAN CHECKING SECTION

SANTA CLARITA VALLEY SANITATION DISTRICT
OF LOS ANGELES COUNTY, CALIFORNIA
GRACE ROBINSON HYDE-CHIEF ENGINEER AND GENERAL MANAGER
APPROVED BY [Signature] DATE 9/24/15

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 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] 8-27-15
Engineer/Surveyor
Seal and Signature

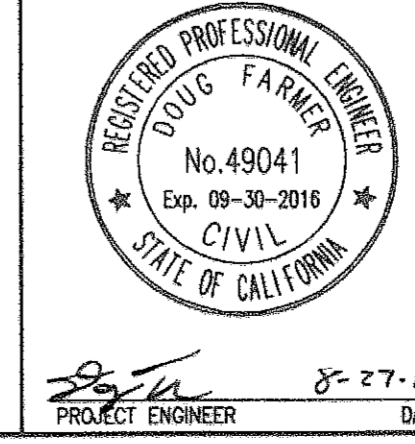
Private Engineers Notice to Contractors:
The existence and location of any underground utility pipes or structures shown on these plans is required by a search of available records to the best of our knowledge. There are no existing utilities except as shown on this map. The contractor is required to 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 1-800-492-4133 to verify the underground location of gas and telephone lines. The contractor shall also call Mr. Roy Cummings of General Telephone Company at 1-805-948 4871 so that they can mark the location of underground telephone lines.
[Signature] 8-27-15
RCE No. 48041 EXP. 09-30-14 DATE

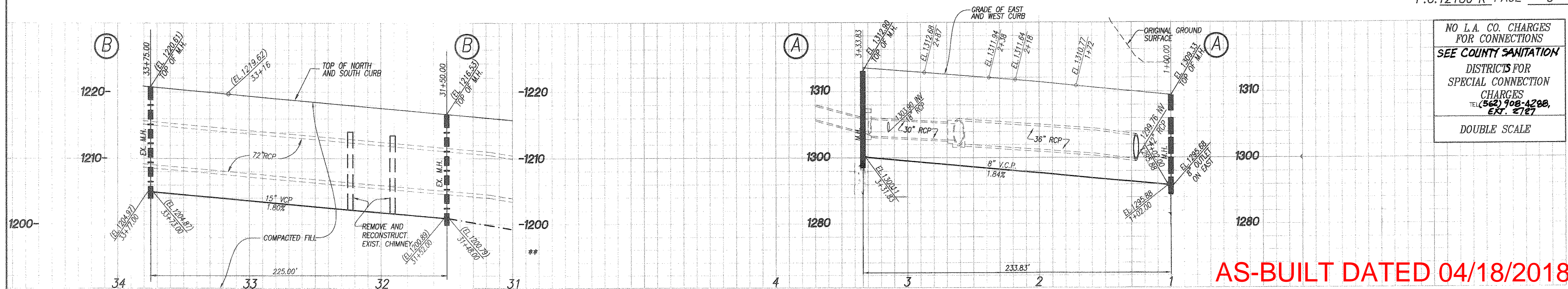


	DELTA	RADIUS	LENGTH	TANGENT
1	1'56"06"	795.00'	26.85'	13.43'
2	16'45"40"	795.00'	232.57'	117.12'

NO L.A. CO. CHARGES FOR CONNECTIONS
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL: (662) 908-4288, 247-2727
DOUBLE SCALE

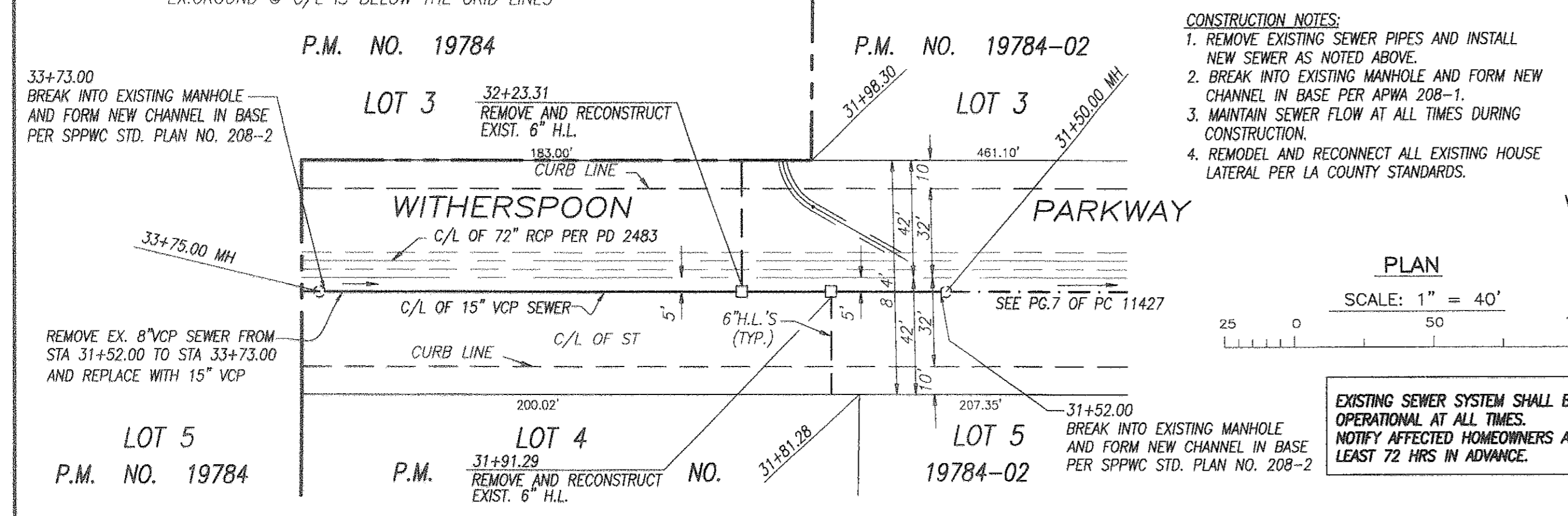
Sanitary Sewer Plans in Parcel Map No. 60030 PC No. 12180R
REVISED LAND DEVELOPMENT DIVISION
BY [Signature] 9/1/15
COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS
PLANS PREPARED BY:
SIKAND Engineering | Planning | Surveying
15230 Burbank Blvd. Van Nuys, CA 91411
Tel: (818) 787-8550
Fax: (818) 901-7451
info@sikand.com
PS007643





NO L.A. CO. CHARGES FOR CONNECTIONS
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 TEL: (562) 908-4288, EXT. 2727
 DOUBLE SCALE

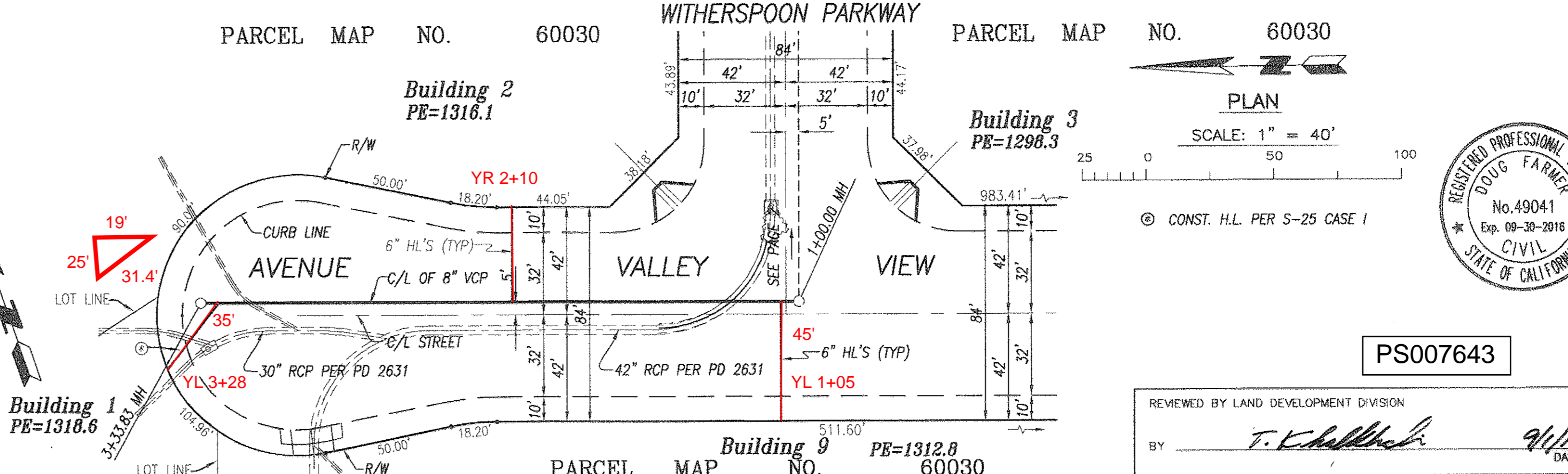
AS-BUILT DATED 04/18/2018



- CONSTRUCTION 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 APWA 208-1.
 3. MAINTAIN SEWER FLOW AT ALL TIMES DURING CONSTRUCTION.
 4. REMODEL AND RECONNECT ALL EXISTING HOUSE LATERAL PER LA COUNTY STANDARDS.

PLAN
 SCALE: 1" = 40'

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

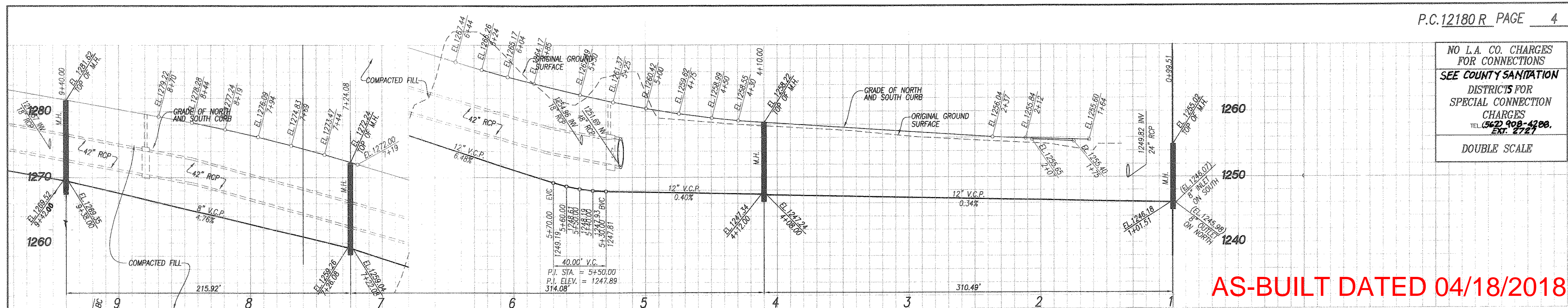


PLAN
 SCALE: 1" = 40'



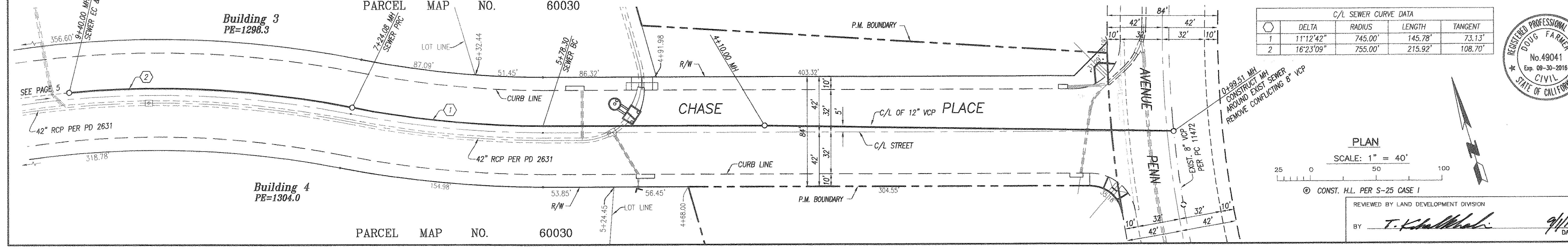
PS007643

REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: T. K... DATE: 9/1/15



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 TEL: (562) 908-4288, EXT. 2727
 DOUBLE SCALE

AS-BUILT DATED 04/18/2018



C/L SEWER CURVE DATA			
	DELTA	RADIUS	LENGTH
1	11°12'42"	745.00'	145.78'
2	16°23'09"	755.00'	215.92'

PLAN
 SCALE: 1" = 40'



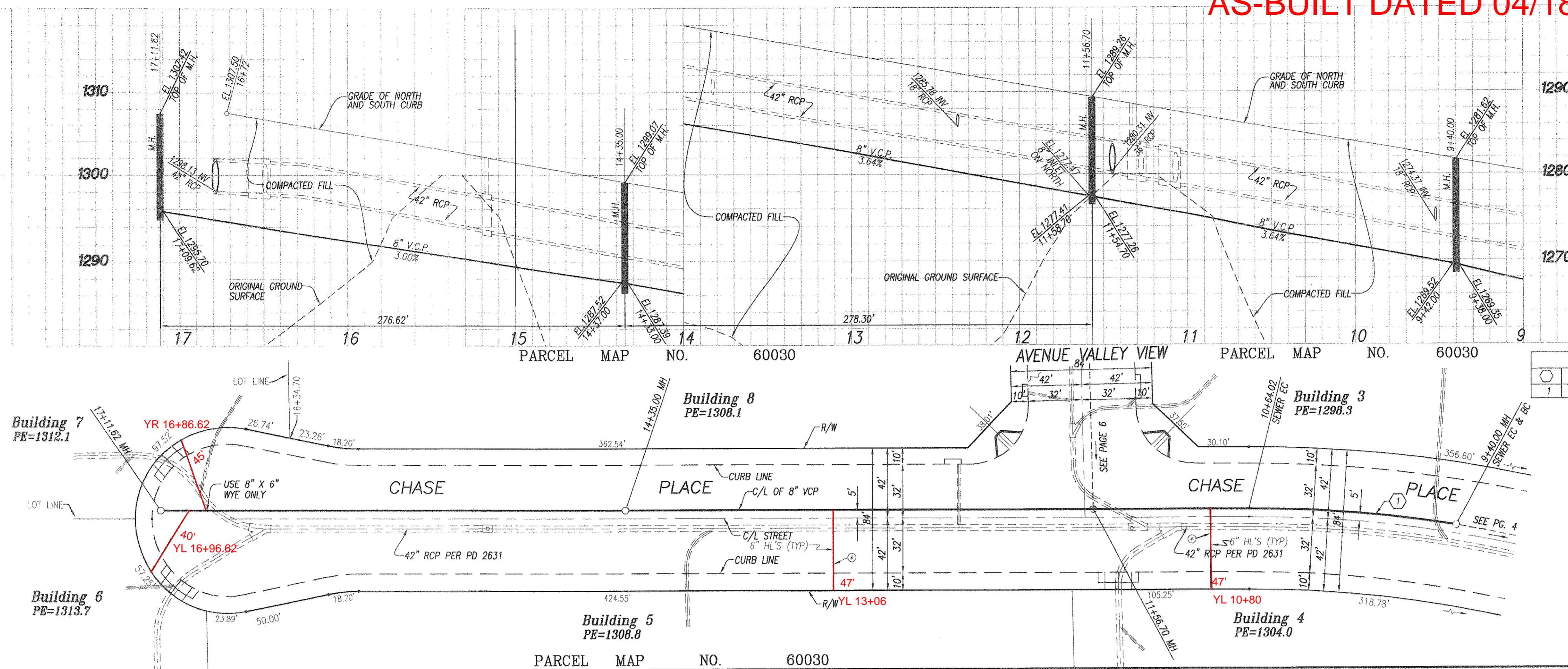
REVIEWED BY LAND DEVELOPMENT DIVISION
 BY: T. K... DATE: 9/1/15

P.C.15180 03009 0M 9AM J399AD

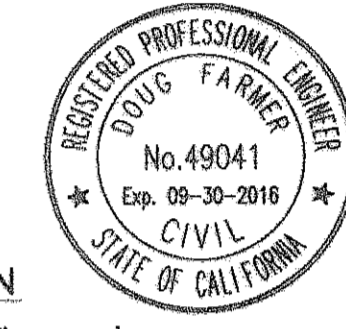
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AS-BUILT DATED 04/18/2018

NO L.A. CO. CHARGES FOR CONNECTIONS
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL. (562) 908-4288, EXT. 2727
DOUBLE SCALE



C/L SEWER CURVE DATA			
DELTA	RADIUS	LENGTH	TANGENT
1	9°24'43"	755.00'	124.02'

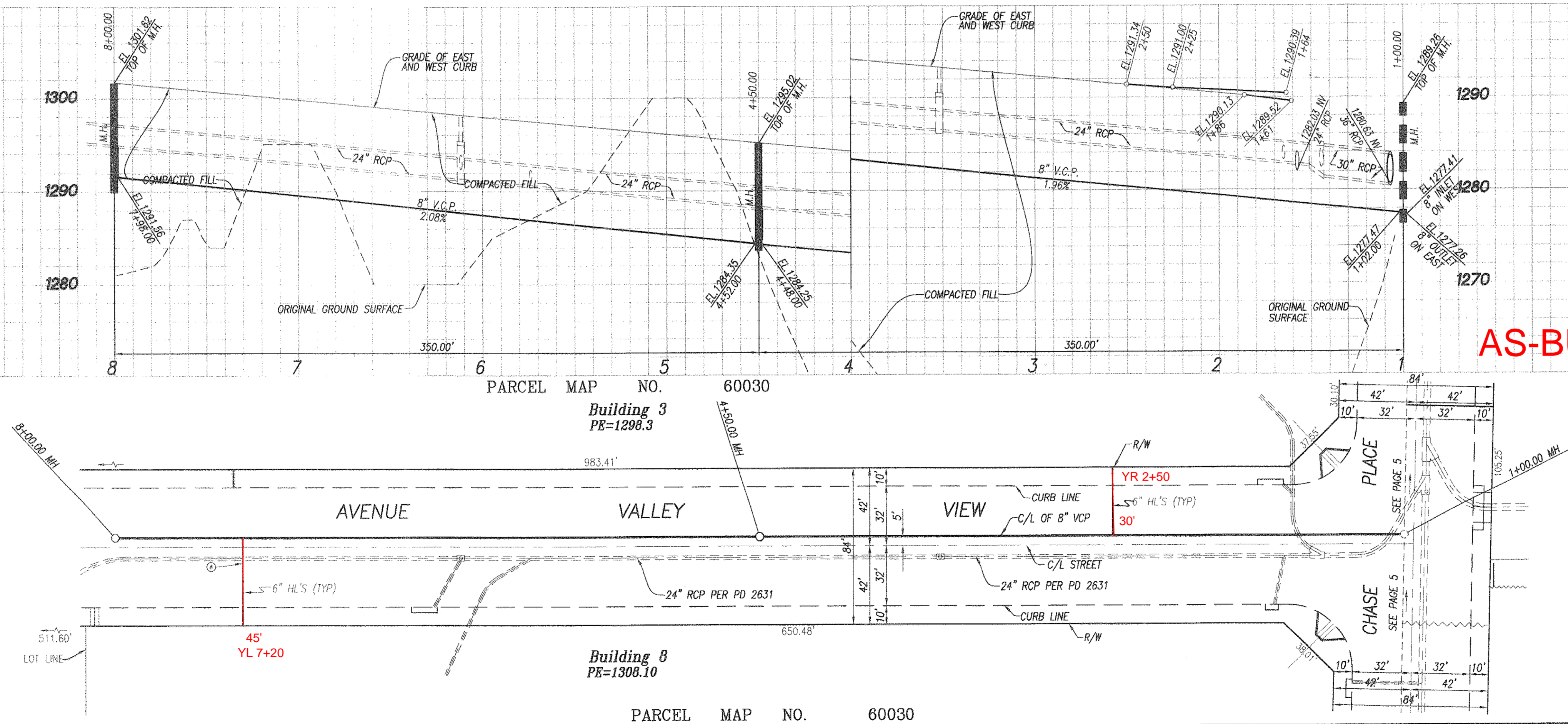


PLAN
SCALE: 1" = 40'
CONST. H.L. PER S-25 CASE 1
REVIEWED BY LAND DEVELOPMENT DIVISION
BY: T. Khalil 9/1/15 DATE

PS007643

AS-BUILT DATED 04/18/2018

NO L.A. CO. CHARGES FOR CONNECTIONS
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES
TEL. (562) 908-4288, EXT. 2727
DOUBLE SCALE



PLAN
SCALE: 1" = 40'
CONST. H.L. PER S-25 CASE 1
REVIEWED BY LAND DEVELOPMENT DIVISION
BY: T. Khalil 9/1/15 DATE

P.C.12180R 08151810 08151810 ON PAN J23PAP