

PROFILE, ALIGNMENT, AND GRADE OF SANITARY SEWERS TO BE CONSTRUCTED IN TRACT NO. 60922-01, PC NO. 12354 9 SHEETS: 18 PAGES COUNTY OF LOS ANGELES CALIFORNIA CSDM INDEX N1415, N1416

MARK PESTRELLA L.A. COUNTY DIRECTOR OF PUBLIC WORKS APPROVED BY LAND DEVELOPMENT DIVISION DATE 2/20/18 BY ASSISTANT DIVISION ENGINEER DATE 2/19/18 SUBMITTED BY J. PALOMO DATE 2/19/18 FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE

SANTA CLARITA VALLEY SANITATION DISTRICT OF LOS ANGELES COUNTY, CALIFORNIA GRACE ROBINSON HYDE - CHIEF ENGINEER AND GENERAL MANAGER APPROVED BY DATE 2/27/18 OFFICE ENGINEERING COUNCIL DATE

CITY OF SANTA CLARITA (FOR SEWER WITHIN CITY LIMITS ONLY) APPROVED FOR CONSTRUCTION DATE 2/24/18

CITY OF SANTA CLARITA TRACT/PARCEL ADDRESS PC NO. 12354 CITY OF SANTA CLARITA DISCHARGE OUTLET APPROVED WE APPROVE THIS SEWER AND VCP WITH THE FOLLOWING FINDINGS WITHIN THE CITY LIMITS WITH MITIGATION DATE 2/24/18 APPROVED BY: ROBERT S. NEWMAN DIRECTOR OF PUBLIC WORKS DATE

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... further attest that I have performed a recent search and field inspection to verify 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. Engineer/Surveyor Seal and Signature: Jeff W. Nolan PLS 7781 Date 2-9-2018

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 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 1-805-946-4811 SO THAT THEY CAN MARK THE LOCATION OF UNDERGROUND TELEPHONE LINES.

PROJECT ENGINEER 32363 DATE 2/9/18 RCE NO DATE

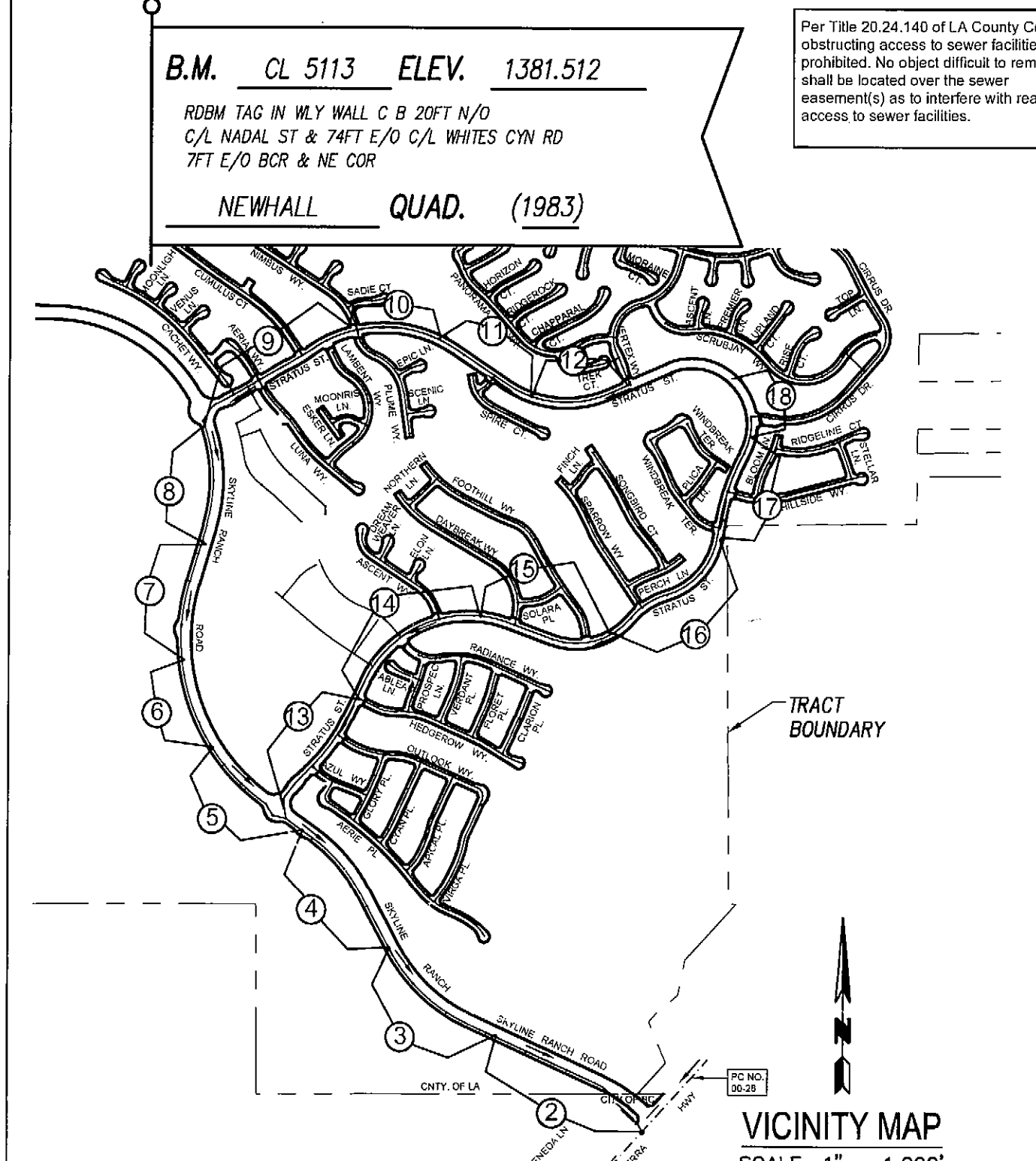
NO LA COUNTY CHARGES FOR CONNECTION SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES TEL: (652) 908-4288 EX 2727 SCALE: VERT. 1" = 8' HORIZ. 1" = 40' DOUBLE SCALE

Professional Engineer Seal for Craig Young, No. 32363, Civil, State of California, dated 2/9/18.

Revision table with columns: NO., REVISION, REVISED BY, APPROVED BY, DATE. Includes revisions for bridge footing, stationing, and easement.

TRACT NO. 60922-01 SANITARY SEWER PLANS 14 PC NO. 12354 REVIEWED BY LAND DEVELOPMENT DIVISION DATE 2/13/18 BY FINAL MAPS, SEWER AND LANDSCAPING SUBDIVISION PLAN CHECKING SECTION DATE

COUNTY OF LOS ANGELES DEPARTMENT OF PUBLIC WORKS SIKAND ENGINEERING ASSOCIATES CONSULTING ENGINEERS 15230 BURBANK BLVD., VAN NUYS, CALIFORNIA 91411 (818) 787-8550

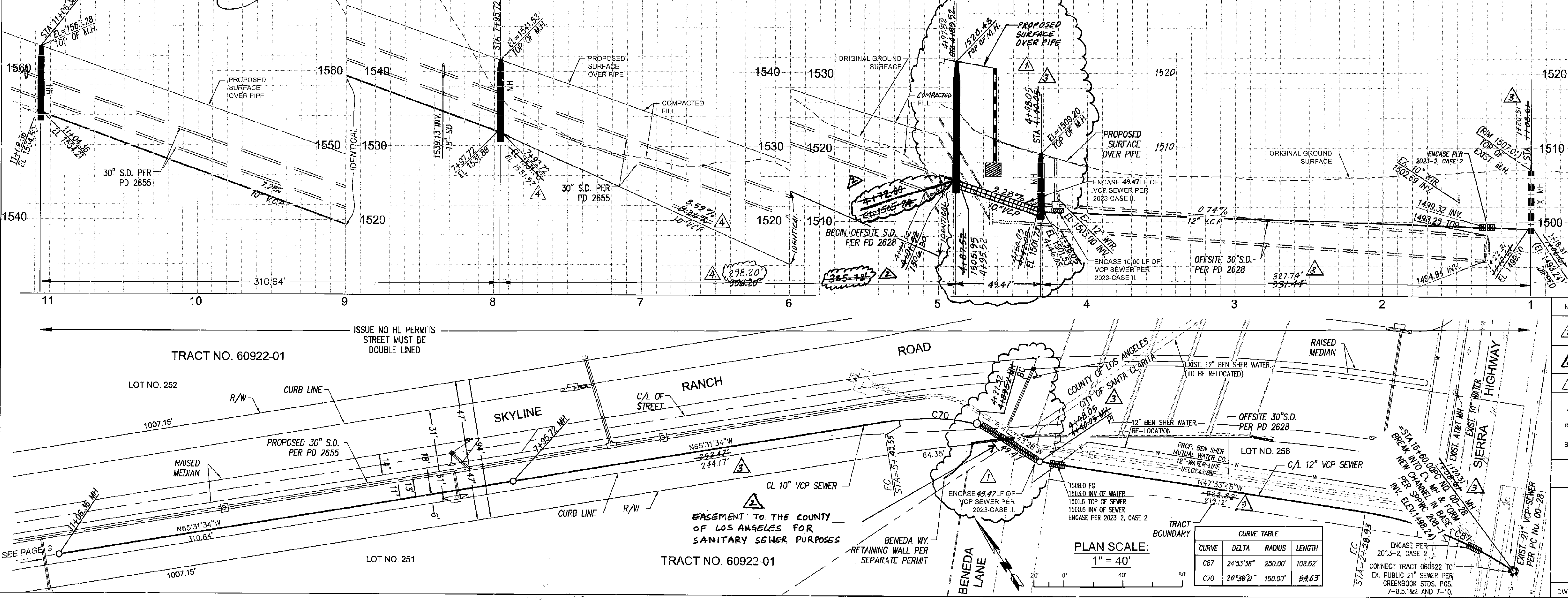


- STORMWATER POLLUTION PLAN NOTES: 1. Every effort should be made to minimize the discharge of non-stormwater from the project site at all times. 2. Eroded sediments and other pollutants must be retained on-site and may not be transported from the site via sheet flow, swales, area drains, natural drainage 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 labeling 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 washes 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 roadway 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).

BUILDING AND SAFETY DISTRICT OFFICE: SANTA CLARITA VALLEY NOTES: NUMBER IN CIRCLE INDICATES PAGE NUMBER. ALL MAINLINE SANITARY SEWERS ARE WITHIN THE SANITARY SEWER EASEMENT. P.C. 12354 TR. NO. 60922-01 THOMAS GUIDE PAGE: TGB: 4551-J1, 4462-A10, 4461-J7, G5.

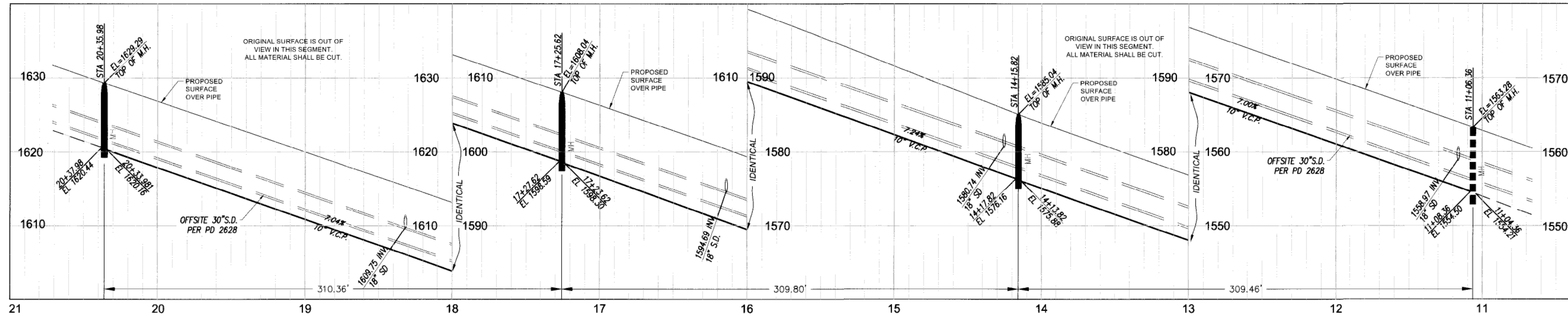
Table with columns: NO., REVISION, REVISED BY, APPROVED BY, DATE. Includes revisions for bridge footing, stationing, and easement.

Tables for STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (SPWC) and COUNTY SANITATION DISTRICTS (CSD) NOTES. Includes details for manhole types, pipe materials, and construction standards.



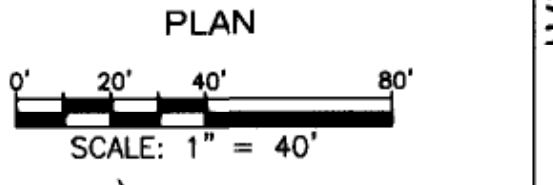
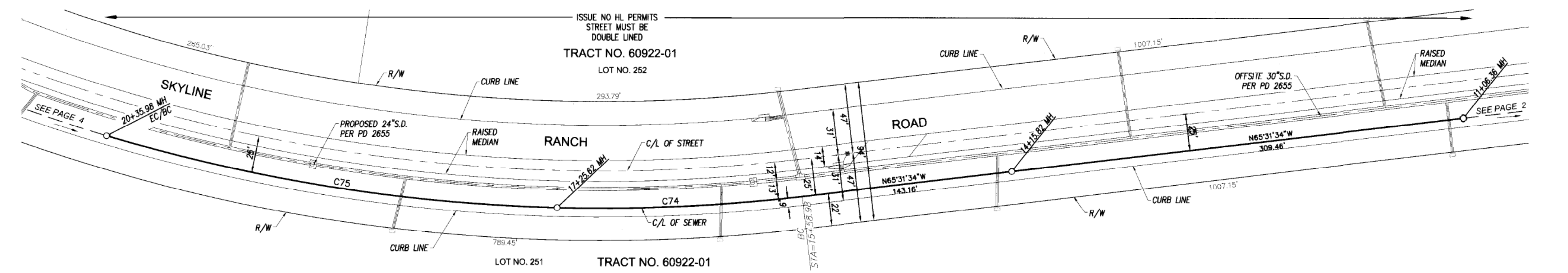
TRACT NO. 60922-01 SANITARY SEWER PLANS 14 PC NO. 12354 PLAN SCALE: 1" = 40'. Includes a curve table with columns: CURVE, DELTA, RADIUS, LENGTH.

Vertical text on the right edge: SHEET 1 OF 18, PC 12354-1, BCS 13324, 115' NO 80855-1

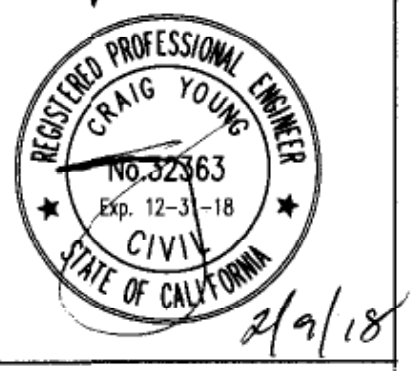


NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL: (562) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE

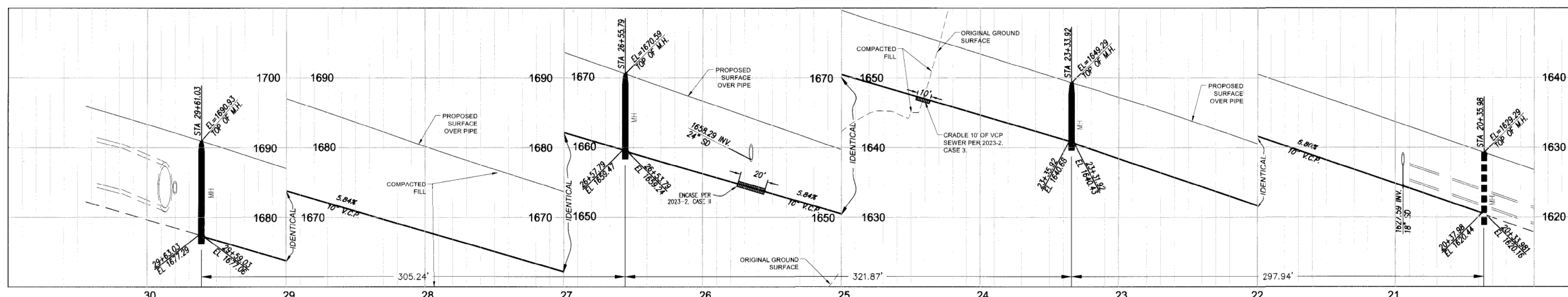
60922-01  
 BACKBONE PLAN  
 PC 12354



CURVE	DELTA	RADIUS	LENGTH
C74	87°7'33"	1175.00'	166.64'
C75	157°8'02"	1175.00'	310.36'

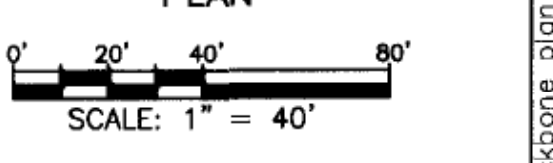
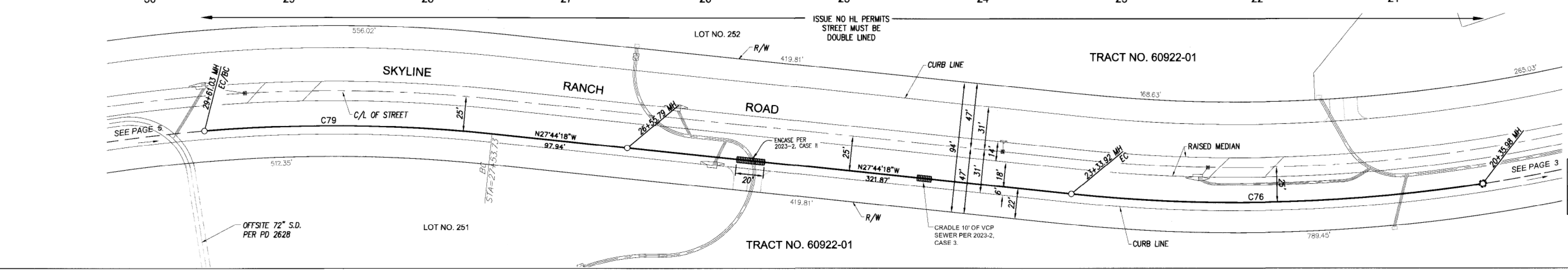


REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] DATE: 7/13/18

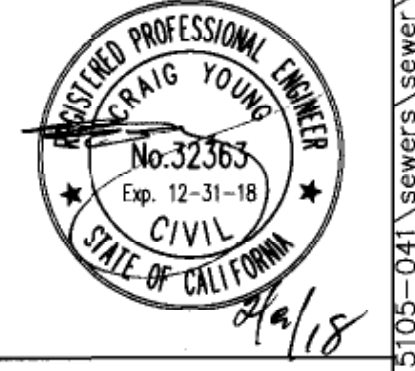


NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL: (562) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE

60922-01  
 BACKBONE PLAN  
 PC 12354

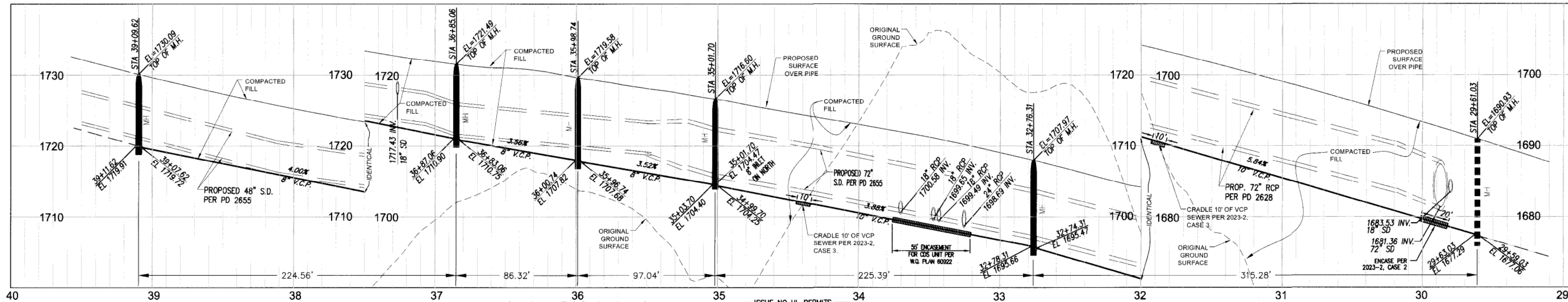


CURVE	DELTA	RADIUS	LENGTH
C76	14°31'42"	1175.00'	297.94'
C79	107°3'28"	1125.00'	207.30'

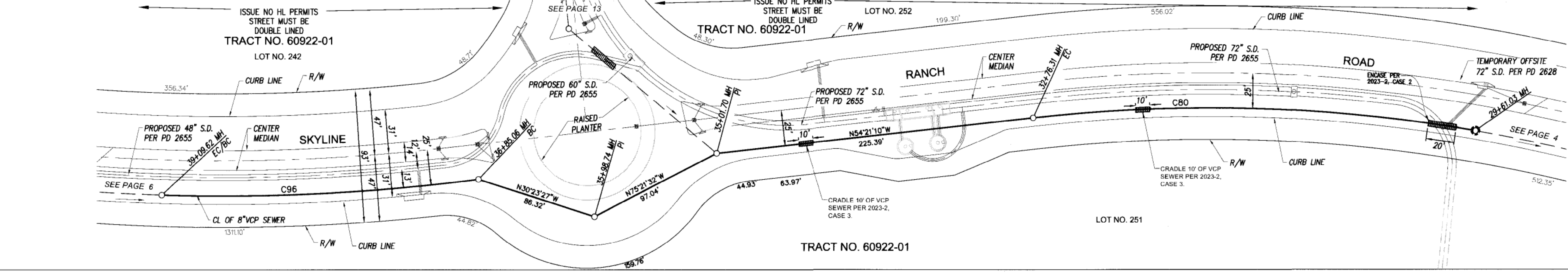
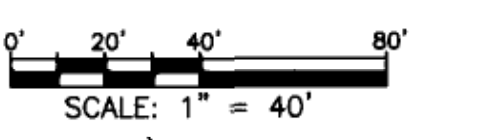


REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] DATE: 7/13/18

14' MO 60922-01 PC 12354 SHEET 2



NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL (562) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE  
 60922-01  
 BACKBONE PLAN  
 PC 12354

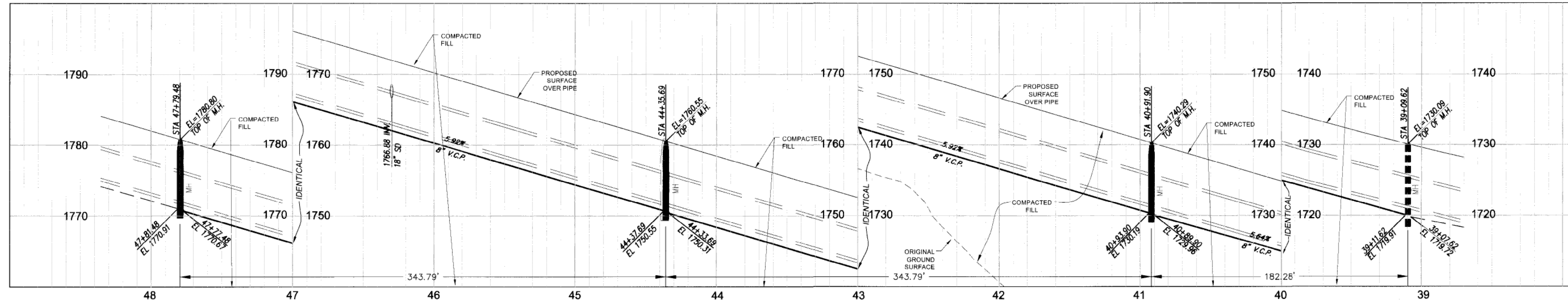


CURVE TABLE

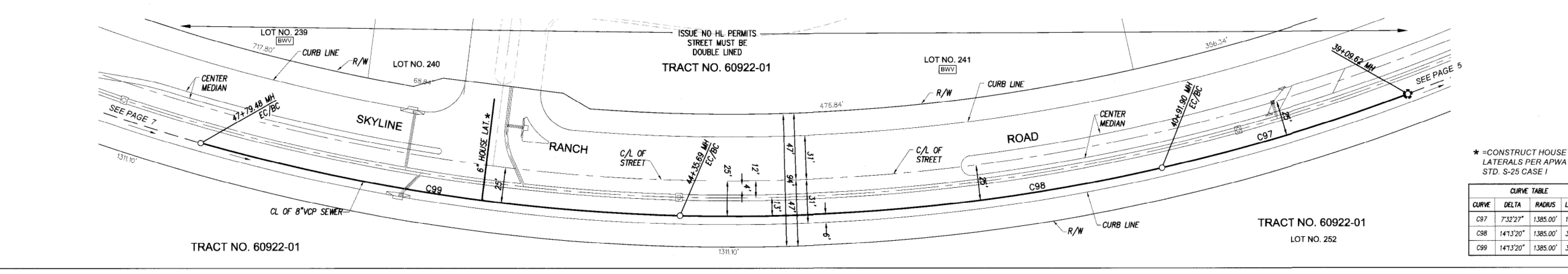
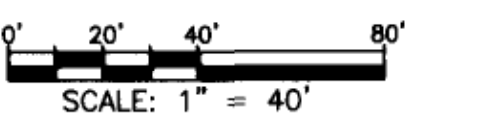
CURVE	DELTA	RADIUS	LENGTH
C80	16'0.25"	1125.00'	315.28'
C96	9'17.23"	1385.00'	224.56'



REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] DATE: 2/13/18  
 FINAL MAPS, SEWER AND LANDSCAPE SUBMISSION PLAN CHECKING SECTION



NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL (562) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE  
 60922-01  
 BACKBONE PLAN  
 PC 12354



\* = CONSTRUCT HOUSE LATERALS PER APWA STD. S-25 CASE 1

CURVE	DELTA	RADIUS	LENGTH
C97	7'32.27"	1385.00'	182.28'
C98	14'13.20"	1385.00'	343.79'
C99	14'13.20"	1385.00'	343.79'

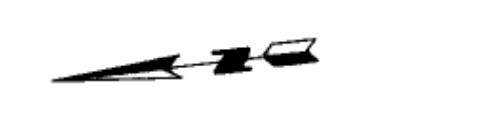
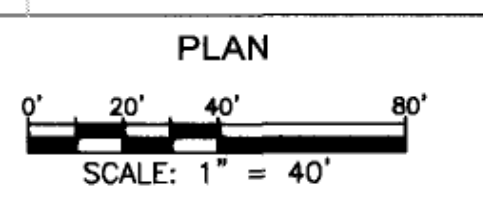
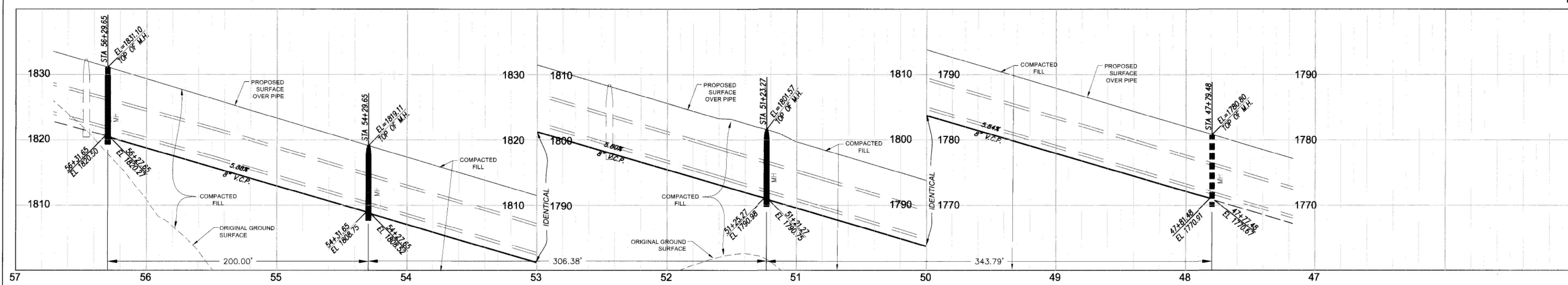


PS007698  
 REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] DATE: 2/13/18  
 FINAL MAPS, SEWER AND LANDSCAPE SUBMISSION PLAN CHECKING SECTION

18' MO' 60922-01 PC 12354 SHEET 3

NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL: (562) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE

60922-01  
 BACKBONE PLAN  
 PC 12354

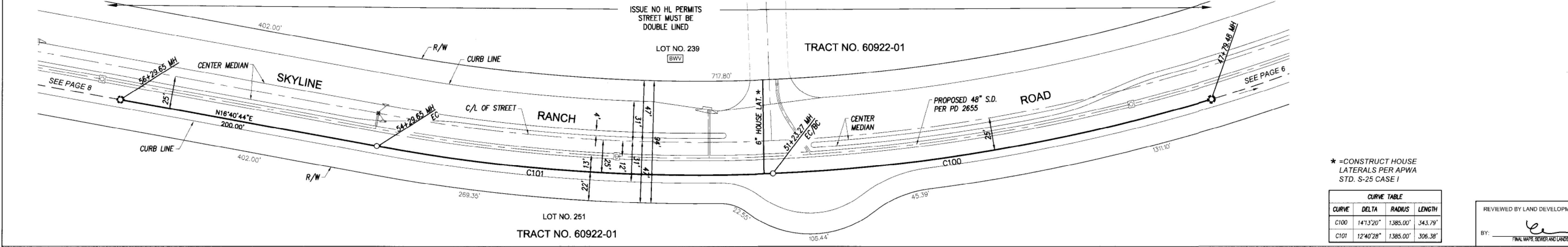


\* - CONSTRUCT HOUSE LATERALS PER APWA STD. S-25 CASE 1

CURVE	DELTA	RADIUS	LENGTH
C100	141°32'	1,385.00'	343.79'
C101	12°40'28"	1,385.00'	306.38'

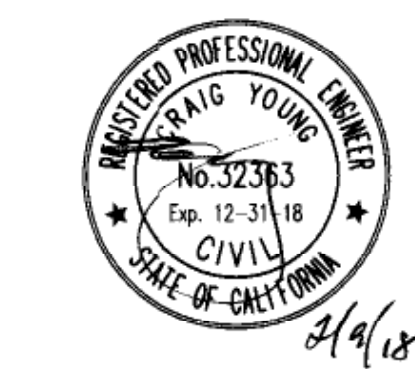
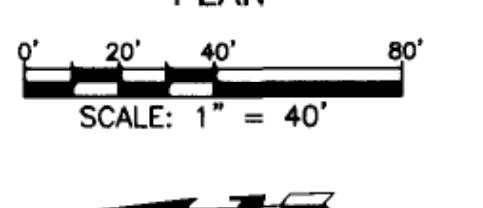
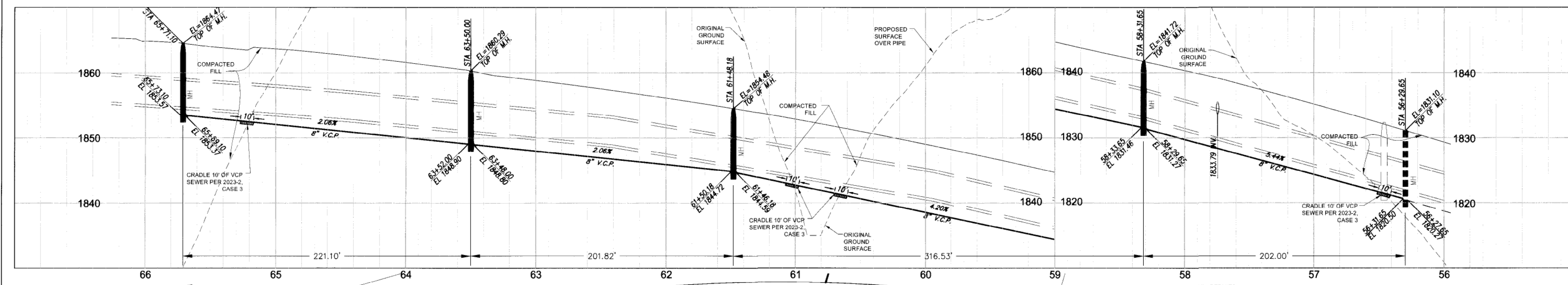
REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 2/13/18



NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL: (562) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE

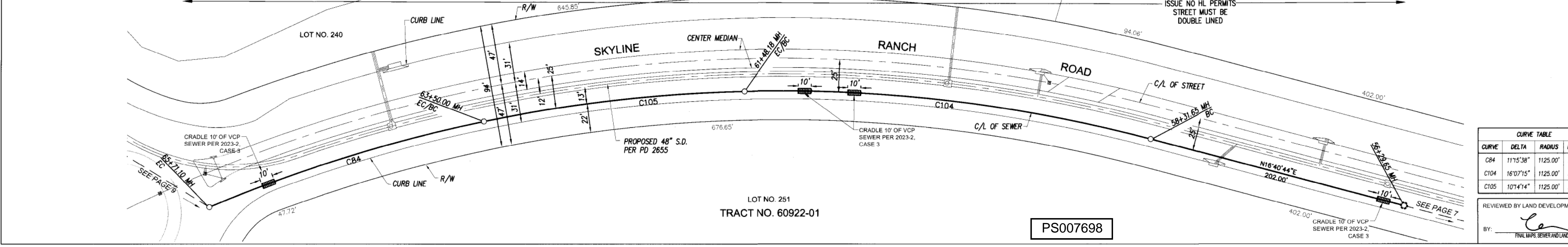
60922-01  
 BACKBONE PLAN  
 PC 12354



CURVE	DELTA	RADIUS	LENGTH
C84	117°38'	1,125.00'	221.10'
C104	16°07'15"	1,125.00'	316.53'
C105	107°41'4"	1,125.00'	201.82'

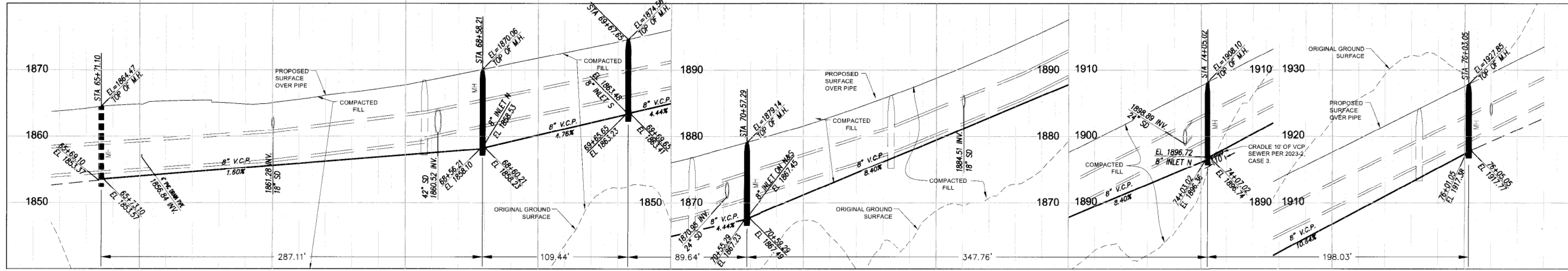
REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 2/13/18

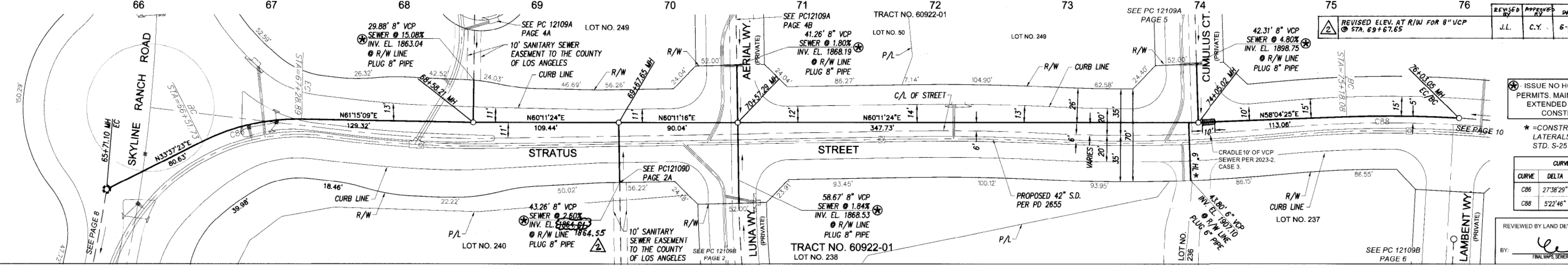


PS007698

SHEET 4  
 18 MO 60922-01 PC 12354  
 X:\CIVIL\33\5105-041 Sewers\sewer\8115-18\_backbone plan\8115-18\_backbone.dwg



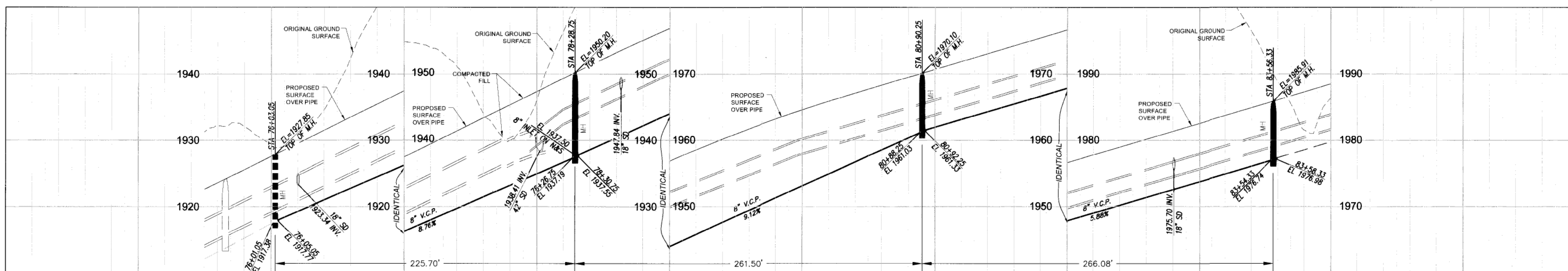
NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL (562) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE  
 60922-01  
 BACKBONE PLAN  
 PC 12354



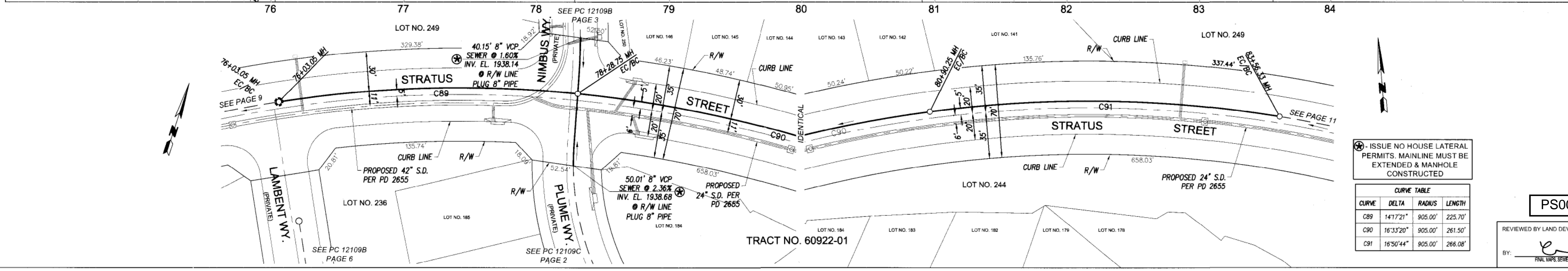
REVISIONS: REVISED ELEV. AT R/W FOR 8" VCP @ STA. 69+67.65  
 J.L. C.Y. 6-4-18  
 SCALE: 1" = 40'  
 ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED  
 \* -CONSTRUCT HOUSE LATERALS PER APWA STD. S-25 CASE I  
 CURVE TABLE:  

CURVE	DELTA	RADIUS	LENGTH
C86	27°38'29"	159.94'	77.16'
C88	52°2'46"	905.00'	84.97'

 REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] DATE: 2/13/18



NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL (562) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE  
 60922-01  
 BACKBONE PLAN  
 PC 12354

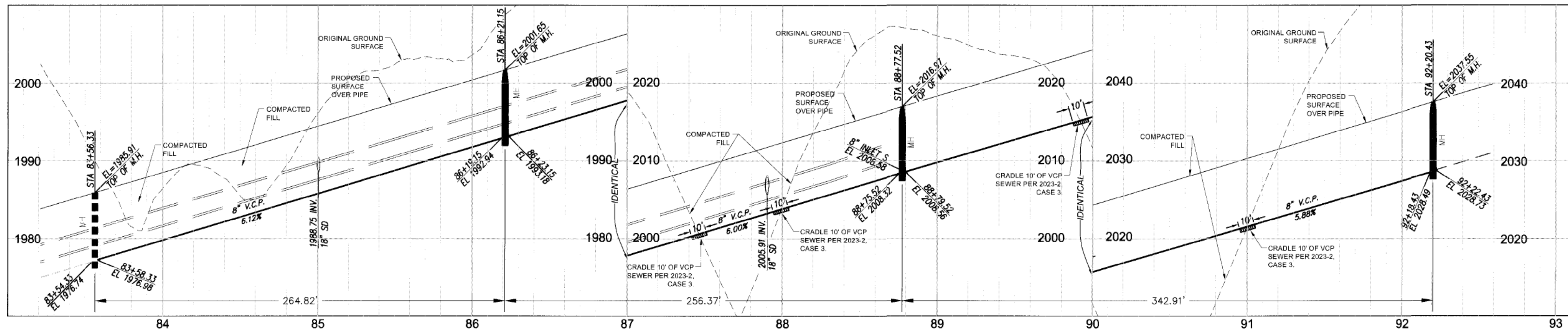


ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED  
 CURVE TABLE:  

CURVE	DELTA	RADIUS	LENGTH
C89	147°21'	905.00'	225.70'
C90	16°33'20"	905.00'	261.50'
C91	16°50'44"	905.00'	266.08'

 PS007698  
 REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] DATE: 2/13/18

18. W0. 00833-1 BC 1324 SHEET 5



NO LA COUNTY CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

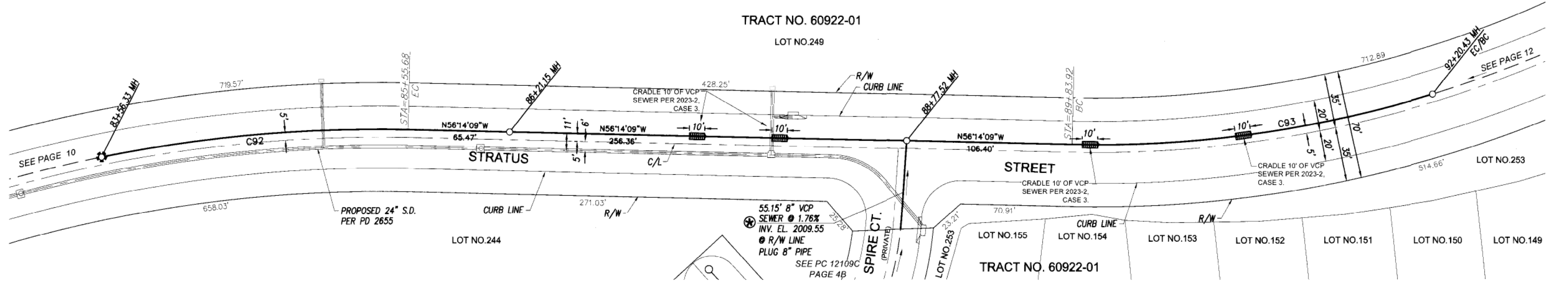
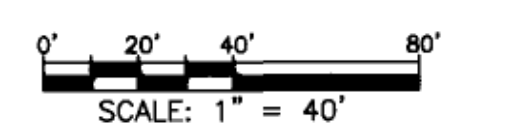
TEL. (562) 908-4288 EX. 2727

SCALE: VERT. 1" = 8'  
HORIZ. 1" = 40'

DOUBLE SCALE

60922-01  
BACKBONE PLAN  
PC 12354

PLAN

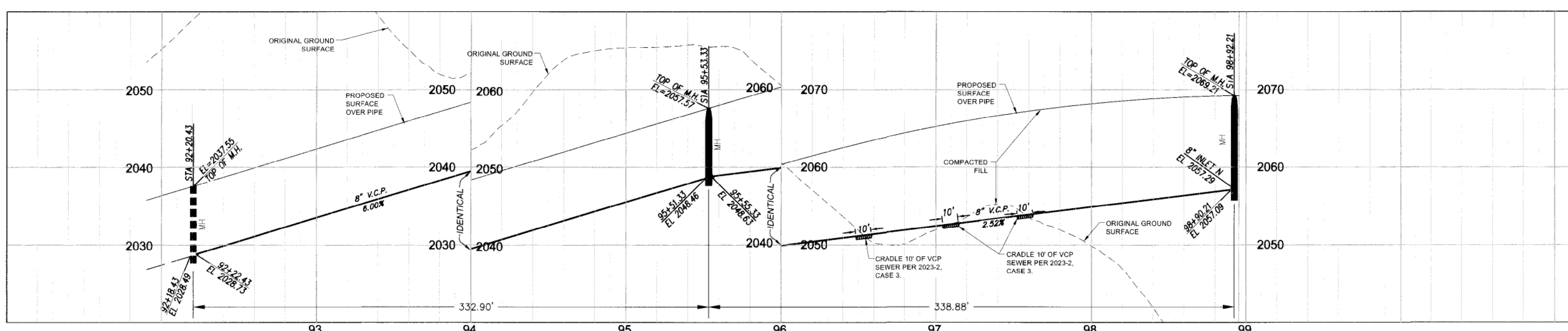


⊕ ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED

CURVE	DELTA	RADIUS	LENGTH
C92	12°37'15"	905.00'	199.35'
C93	18°11'21"	745.00'	236.51'

REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 7/13/18



NO LA COUNTY CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

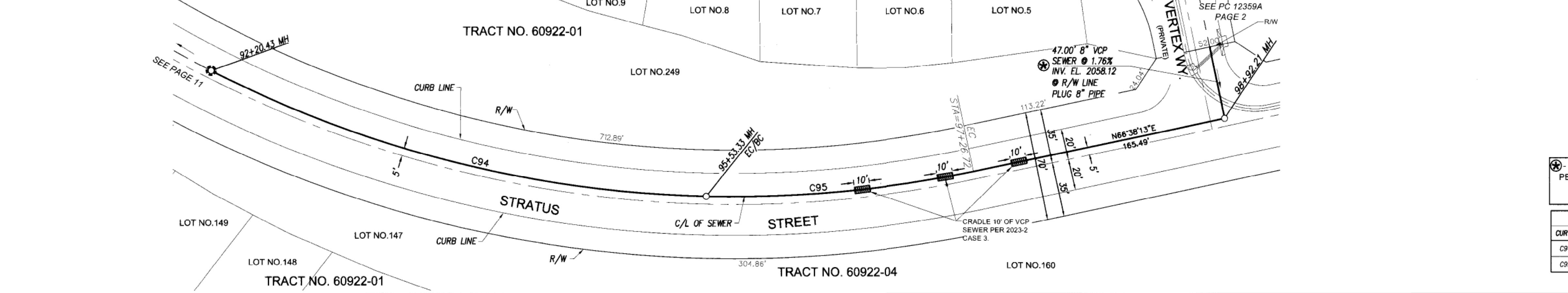
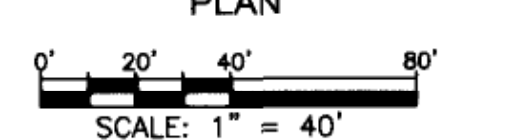
TEL. (562) 908-4288 EX. 2727

SCALE: VERT. 1" = 8'  
HORIZ. 1" = 40'

DOUBLE SCALE

60922-01  
BACKBONE PLAN  
PC 12354

PLAN

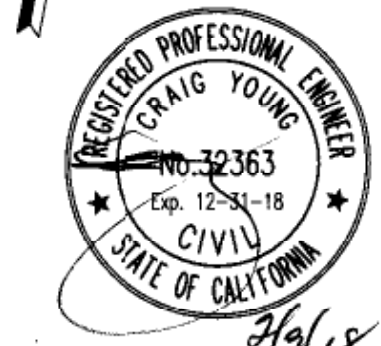


⊕ ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED

CURVE	DELTA	RADIUS	LENGTH
C94	25°36'09"	745.00'	332.90'
C95	13°20'06"	745.00'	173.39'

REVIEWED BY LAND DEVELOPMENT DIVISION

BY: *[Signature]* DATE: 7/13/18



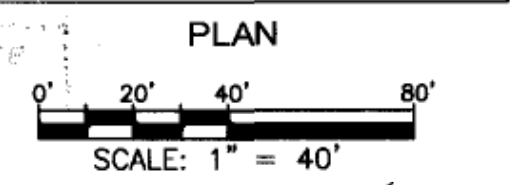
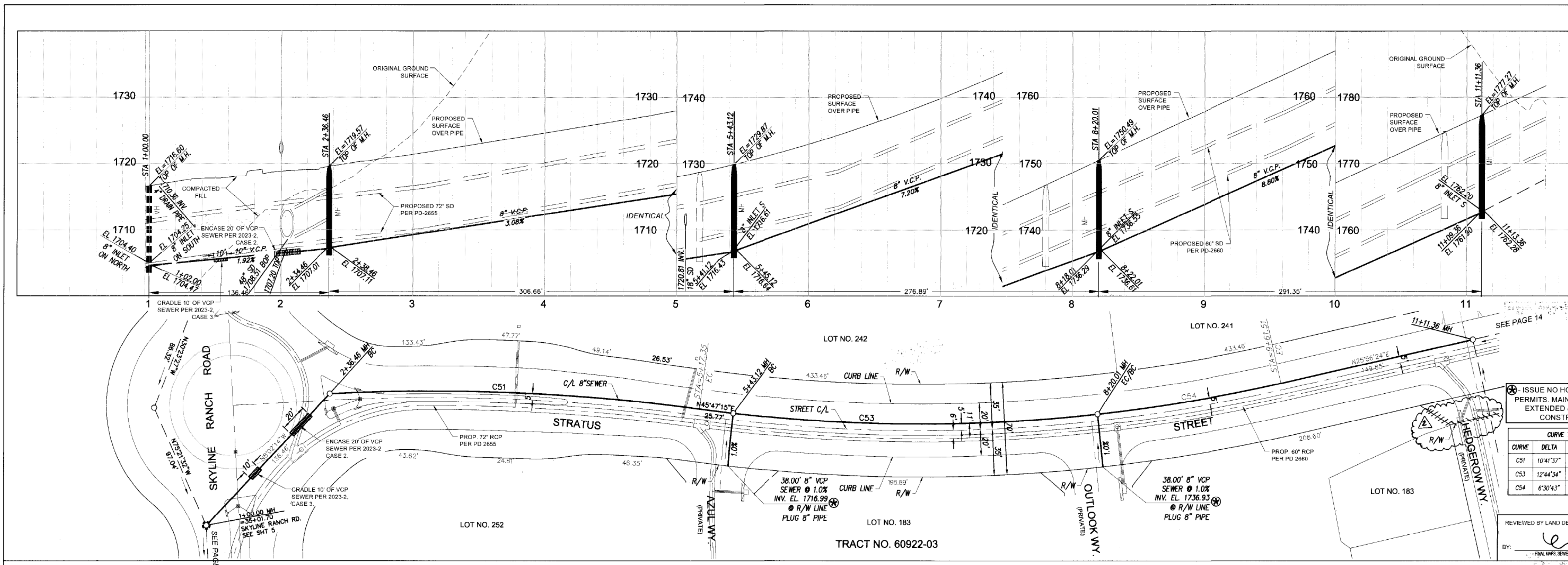
18" NO. 60922-01 BC 13292 SHEET 6

NO LA COUNTY CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

SCALE: VERT. 1" = 8'  
HORIZ. 1" = 40'  
DOUBLE SCALE

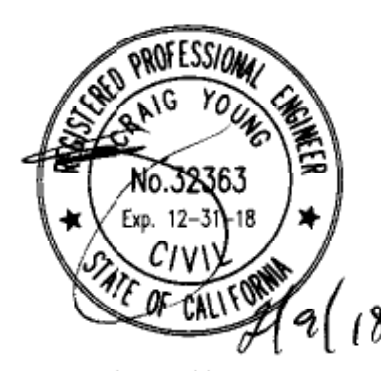
60922-01  
BACKBONE PLAN  
PC 12354



PLAN  
SCALE: 1" = 40'

ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED

CURVE	DELTA	RADIUS	LENGTH
C51	10°41'37"	1505.00'	280.89'
C53	12°44'34"	1245.00'	276.89'
C54	6°30'43"	1245.00'	141.50'



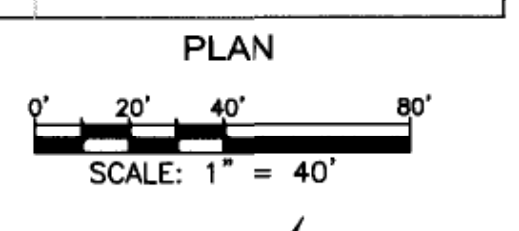
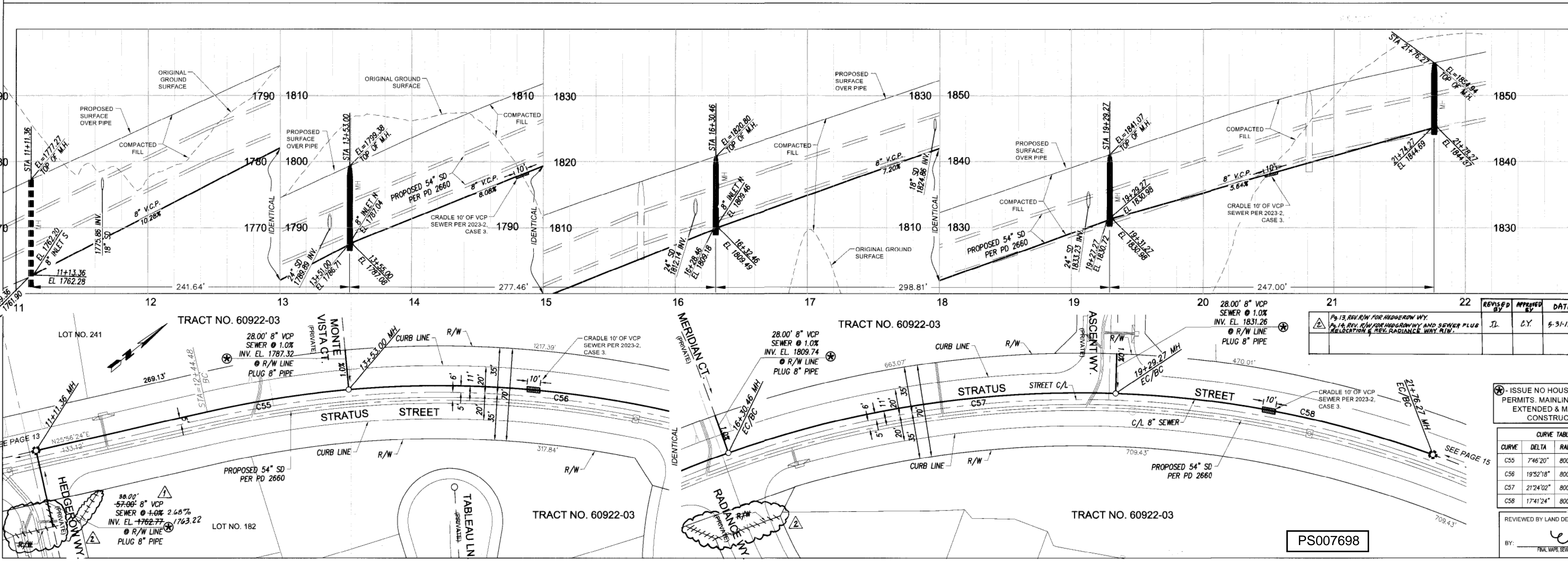
REVIEWED BY LAND DEVELOPMENT DIVISION  
BY: [Signature] DATE: 2/13/18

NO LA COUNTY CHARGES FOR CONNECTION

SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES

SCALE: VERT. 1" = 8'  
HORIZ. 1" = 40'  
DOUBLE SCALE

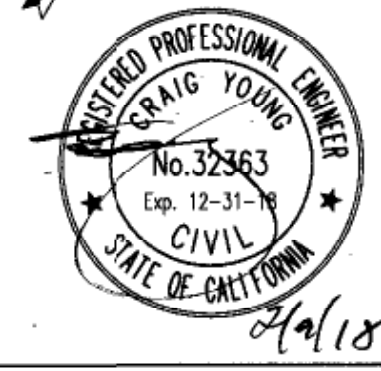
60922-01  
BACKBONE PLAN  
PC 12354



PLAN  
SCALE: 1" = 40'

ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED

CURVE	DELTA	RADIUS	LENGTH
C55	7°46'20"	800.00'	108.52'
C56	19°52'18"	800.00'	277.46'
C57	21°24'02"	800.00'	298.81'
C58	17°41'24"	800.00'	247.00'



REVIEWED BY LAND DEVELOPMENT DIVISION  
BY: [Signature] DATE: 2/13/18

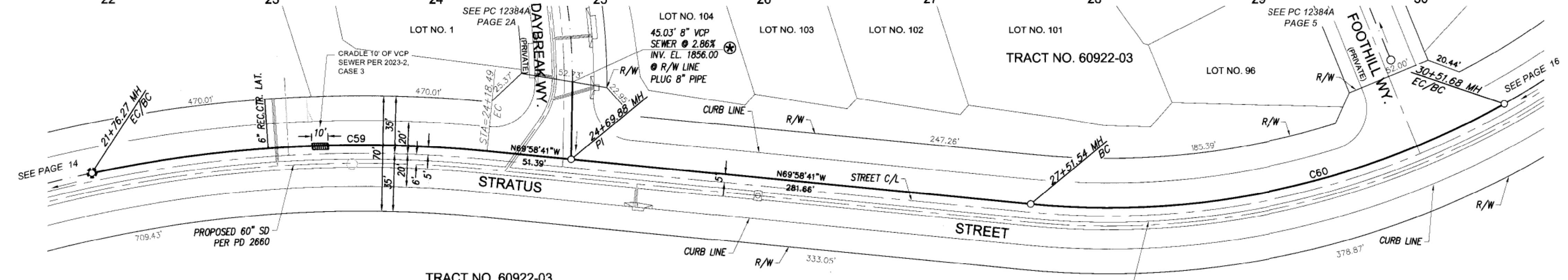
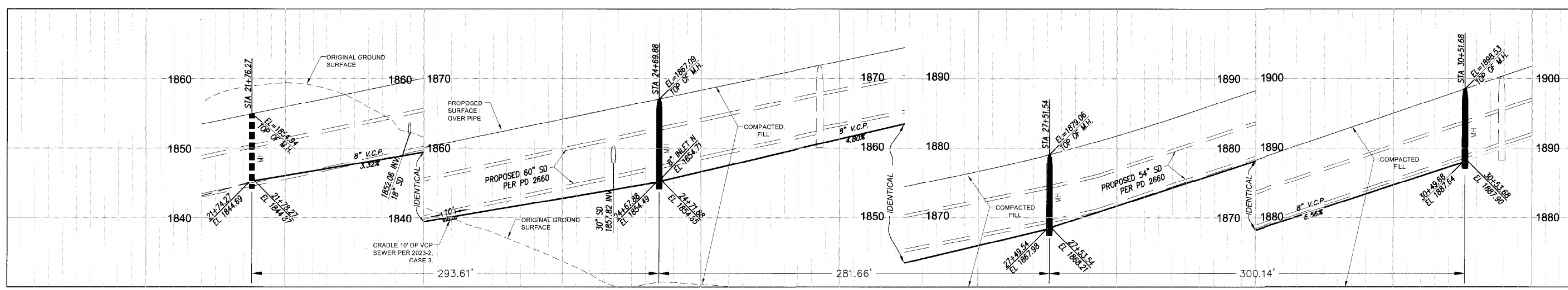
PS007698

1-18\_backbone plan sheets 1-18\_backbone plan sheets 1-18\_backbone plan sheets

NO LA COUNTY CHARGES FOR CONNECTION  
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
TEL: (562) 908-4288 EX. 2727  
SCALE: VERT. 1" = 8'  
HORIZ. 1" = 40'  
DOUBLE SCALE

60922-01  
BACKBONE PLAN  
PC 12354

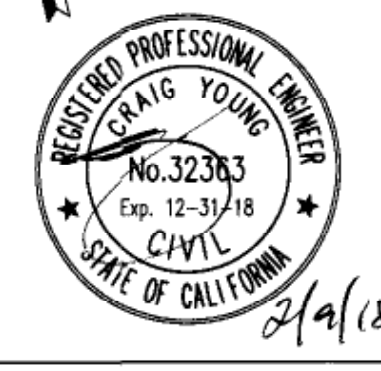
PLAN  
SCALE: 1" = 40'



ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED

CURVE	DELTA	RADIUS	LENGTH
C59	17°20'52"	800.00'	242.22'
C60	34°44'27"	495.00'	300.14'

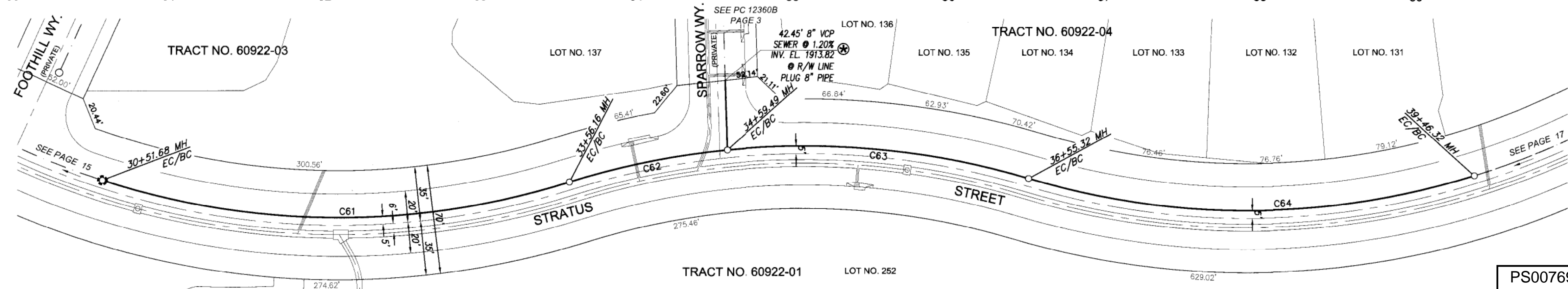
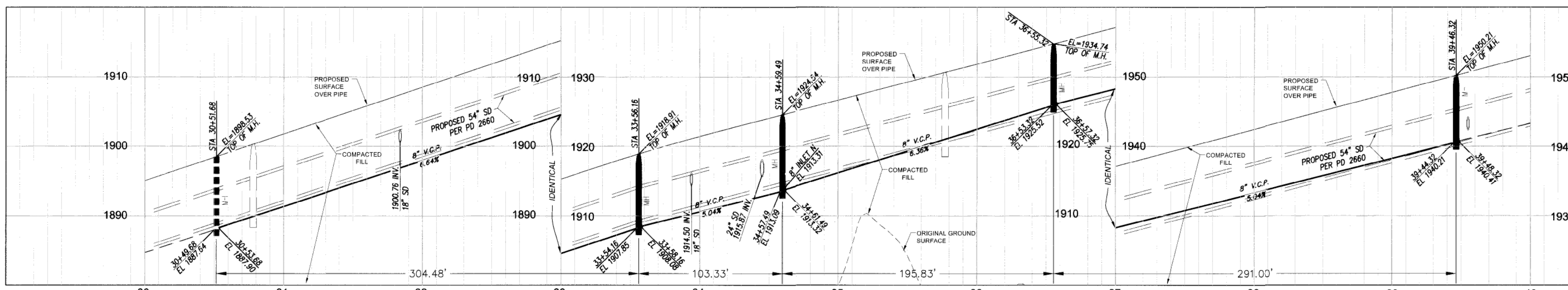
REVIEWED BY LAND DEVELOPMENT DIVISION  
BY: [Signature] DATE: 2/13/18



NO LA COUNTY CHARGES FOR CONNECTION  
SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
TEL: (562) 908-4288 EX. 2727  
SCALE: VERT. 1" = 8'  
HORIZ. 1" = 40'  
DOUBLE SCALE

60922-01  
BACKBONE PLAN  
PC 12354

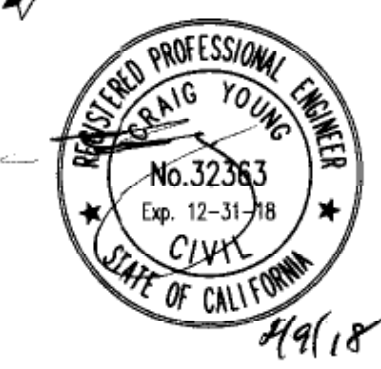
PLAN  
SCALE: 1" = 40'



ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED

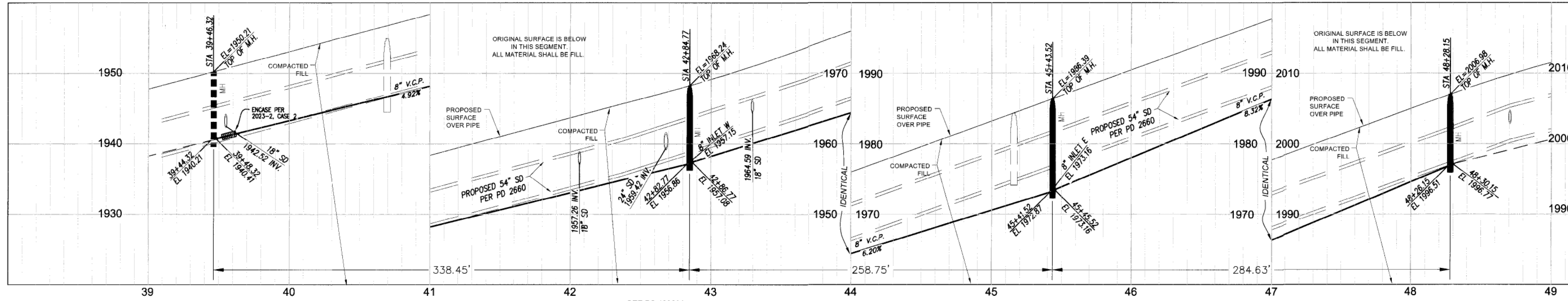
CURVE	DELTA	RADIUS	LENGTH
C61	35°14'36"	495.00'	304.48'
C62	11°43'25"	505.00'	103.31'
C63	22°13'06"	505.00'	195.84'
C64	33°40'59"	495.00'	291.00'

REVIEWED BY LAND DEVELOPMENT DIVISION  
BY: [Signature] DATE: 2/13/18

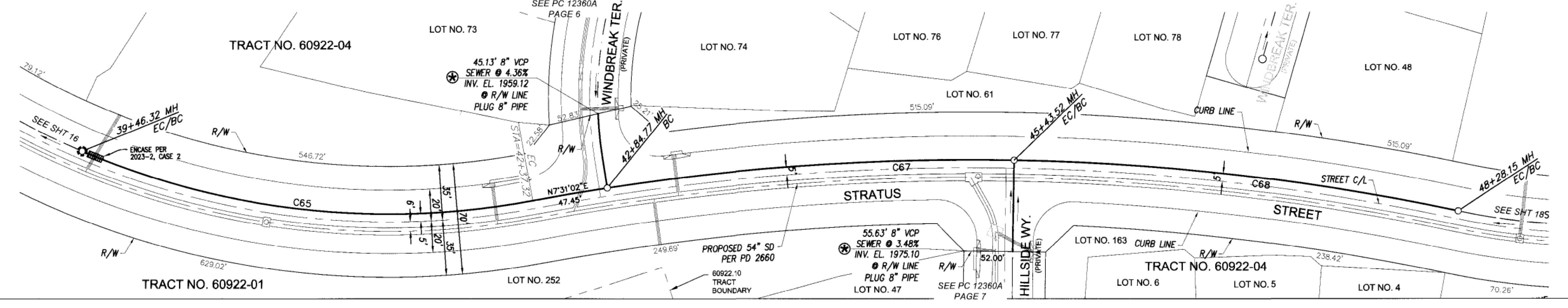
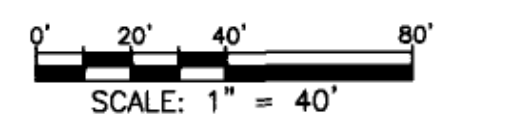


SHEET 8  
18-0000-1-0000-1-0000-1-18-Backbone plan\Prints\1-18-Backbone plan\Prints\1-18-Backbone Plan.dwg



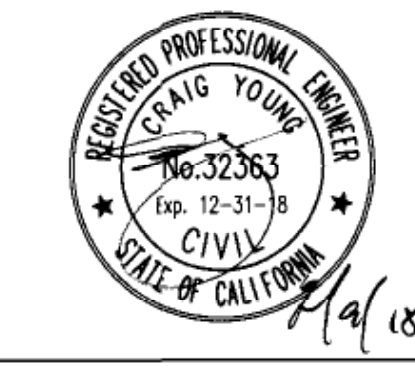


NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL. (662) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE  
 60922-01  
 BACKBONE PLAN  
 PC 12354  
 PLAN

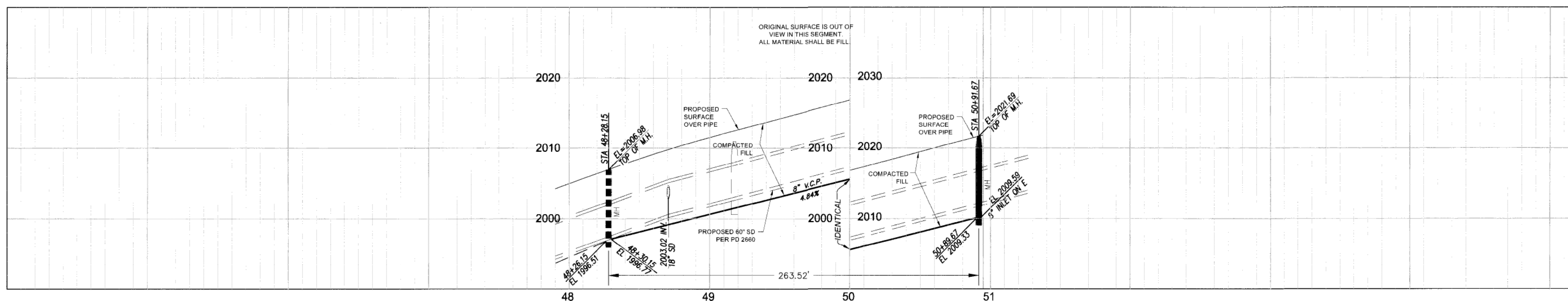


ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED

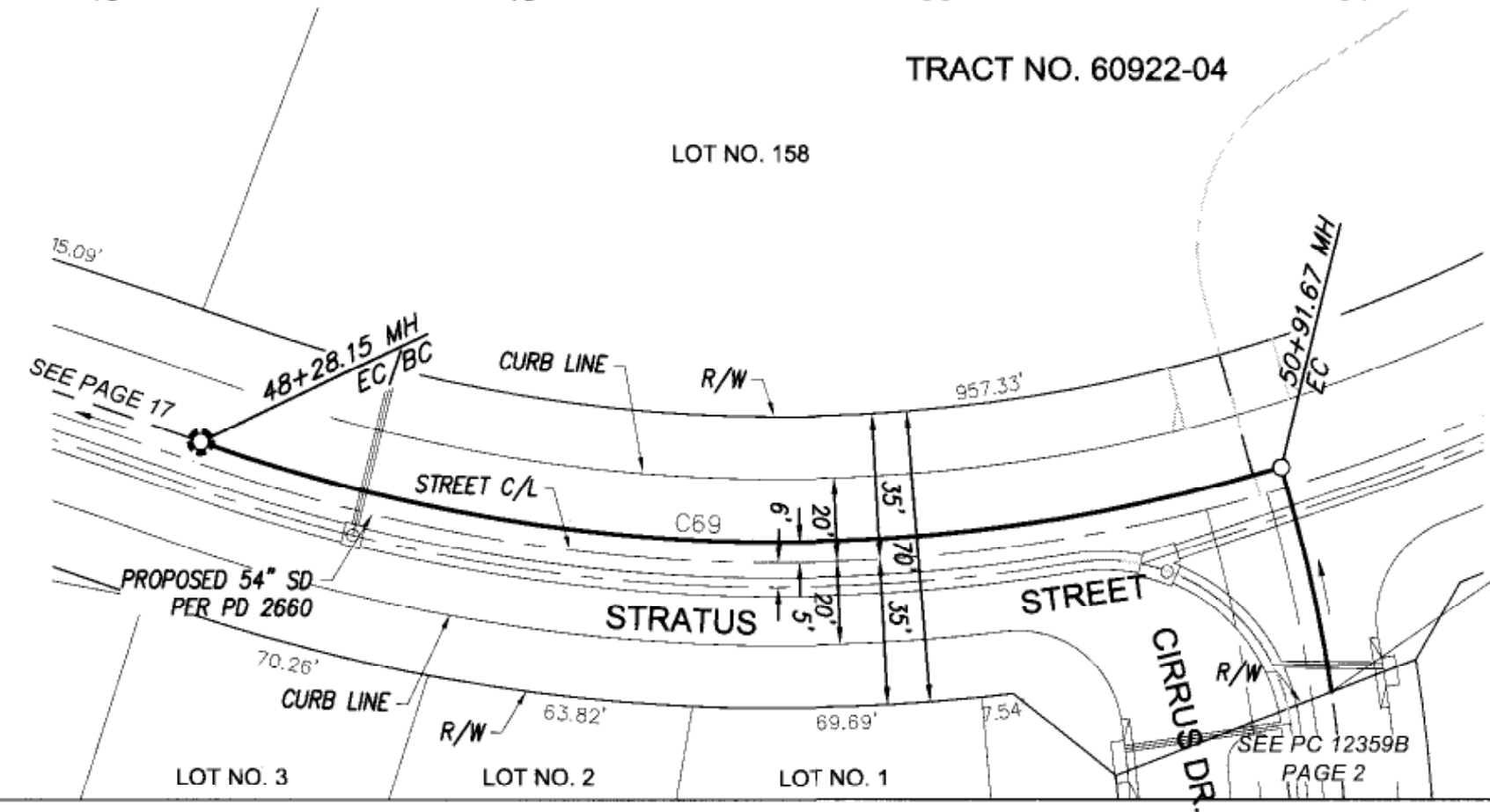
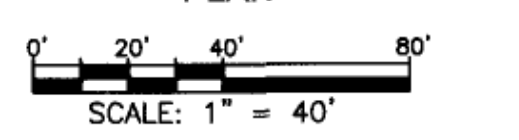
CURVE	DELTA	RADIUS	LENGTH
C65	33°40'59"	495.00'	291.00'
C67	9°51'02"	1505.00'	258.75'
C68	10°50'09"	1505.00'	284.63'



REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] DATE: 2/13/18  
 FINAL MAP, SEWER AND LANDSCAPE SUBMISSION PLAN CHECKING SECTION

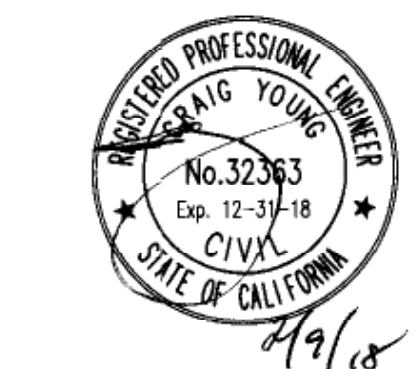


NO LA COUNTY CHARGES FOR CONNECTION  
 SEE COUNTY SANITATION DISTRICTS FOR SPECIAL CONNECTION CHARGES  
 TEL. (662) 908-4288 EX. 2727  
 SCALE: VERT. 1" = 8'  
 HORIZ. 1" = 40'  
 DOUBLE SCALE  
 60922-01  
 BACKBONE PLAN  
 PC 12354  
 PLAN



ISSUE NO HOUSE LATERAL PERMITS. MAINLINE MUST BE EXTENDED & MANHOLE CONSTRUCTED

CURVE	DELTA	RADIUS	LENGTH
C69	36°22'36"	475.00'	263.52'



REVIEWED BY LAND DEVELOPMENT DIVISION  
 BY: [Signature] DATE: 2/13/18  
 FINAL MAP, SEWER AND LANDSCAPE SUBMISSION PLAN CHECKING SECTION

PS007698