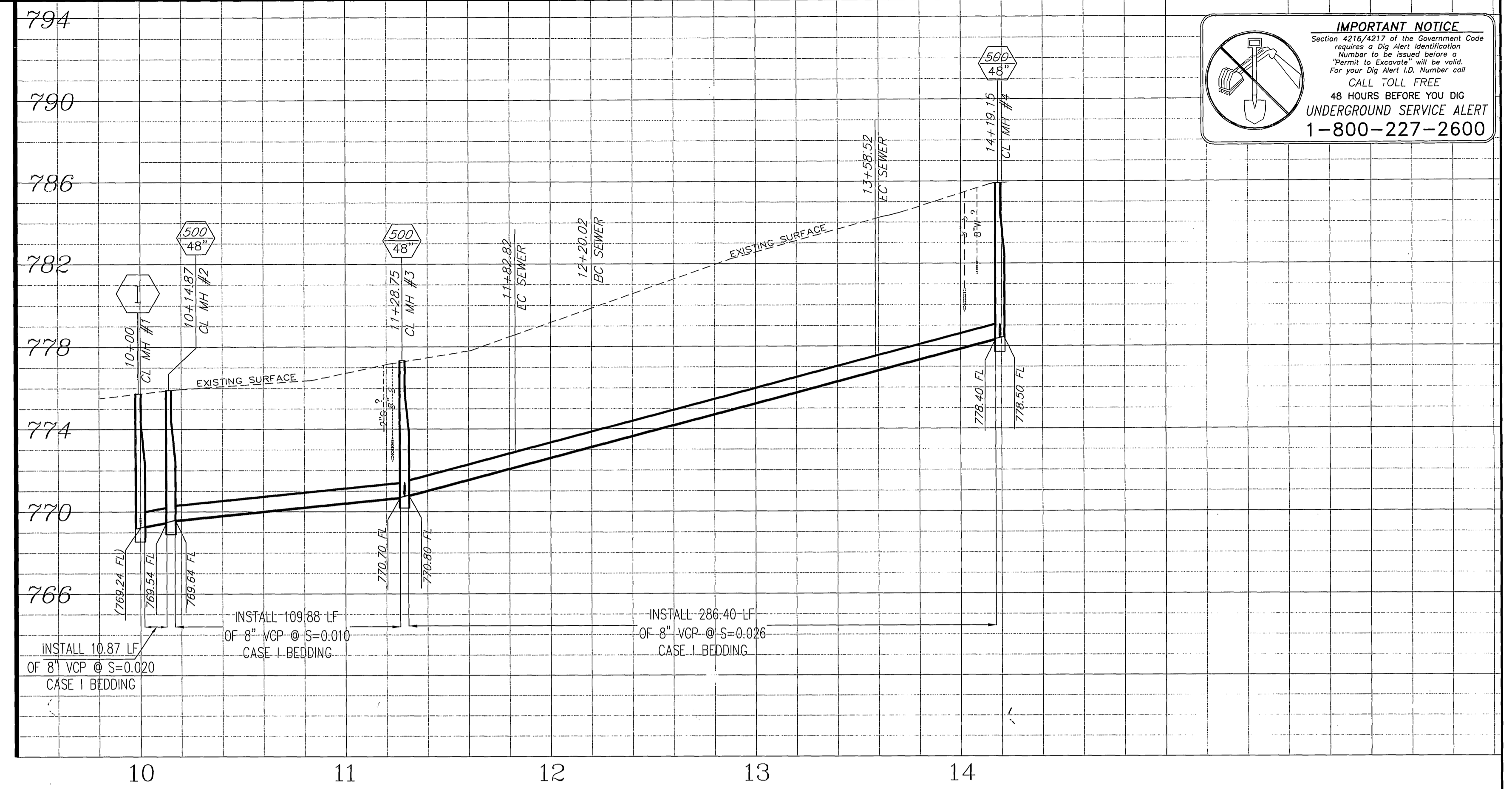


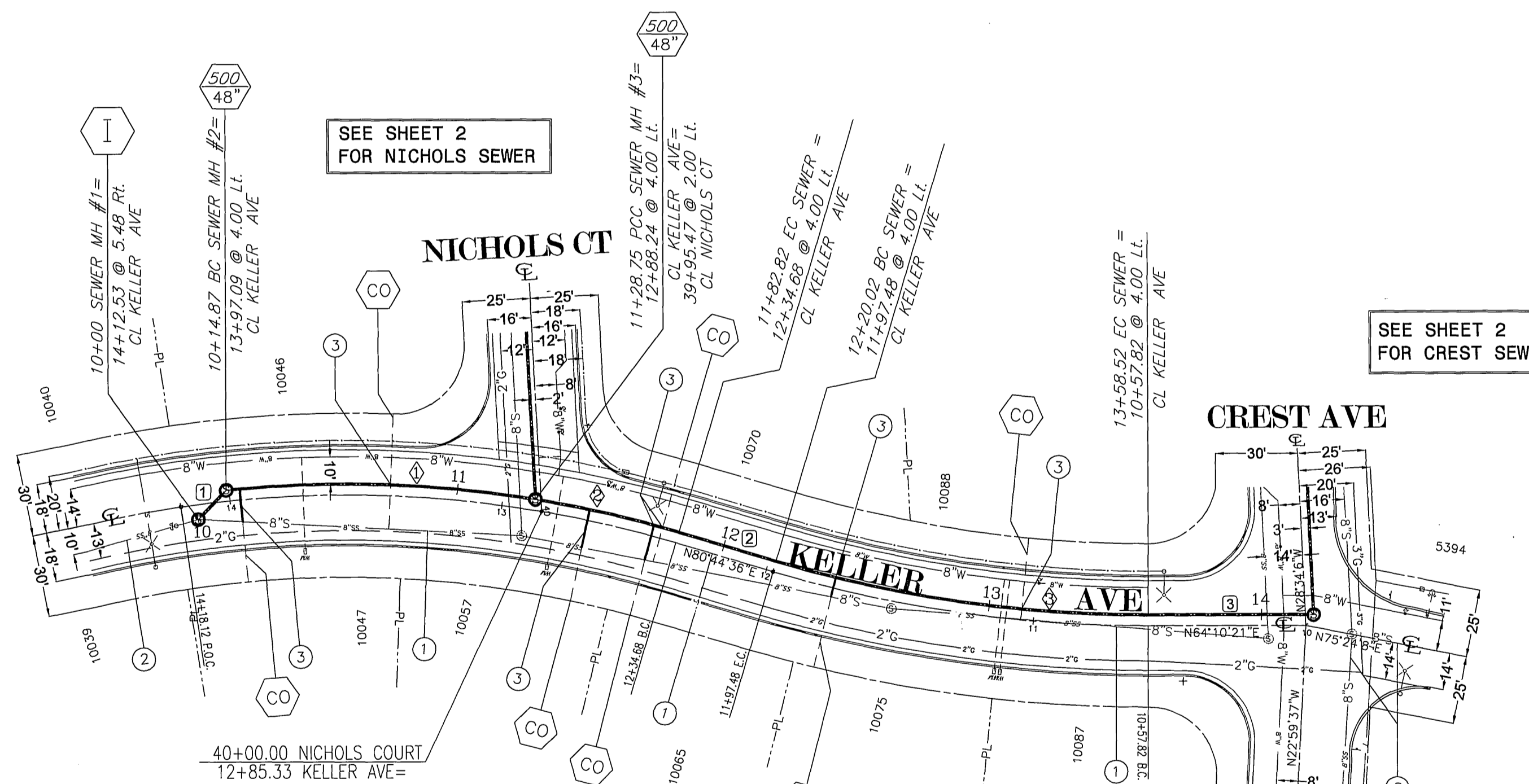
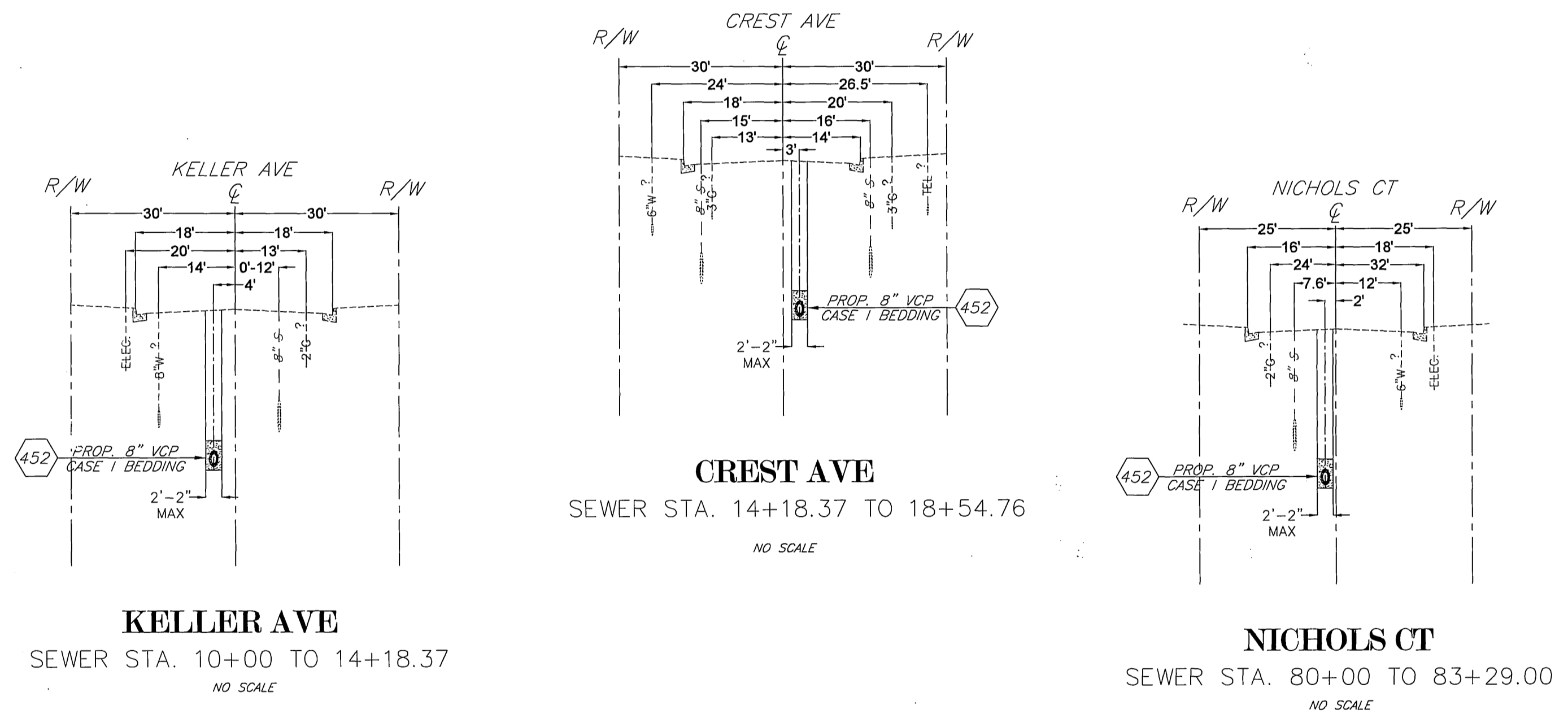
PROJECT LOCATION MAP
NTS

GENERAL NOTES:

- EXISTING UTILITIES SHOWN ON THE PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN.
- PRIME CONTRACTORS BIDDING THIS WORK SHALL HAVE A CLASS "A", "C-34", OR A "C-42" LICENSE.
- ALL ELEVATIONS SHOWN ON THE PLAN SHALL BE STAKED IN THE FIELD.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DRAWINGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
- TRENCHES SHALL EITHER BE BACKFILLED AND COMPACTED PER STD. DWG. 453 OR COVERED WITH TRAFFIC RATED STEEL PLATES AT THE END OF EACH WORK DAY AS SPECIFIED IN THE SPECIAL PROVISIONS.
- WATER VALVES ENCOUNTERED DURING PIPELINE CONSTRUCTION OR DURING RESTORATION OF SURFACE IMPROVEMENTS SHALL BE PROTECTED IN PLACE, RESTORED TO PRECONSTRUCTION CONDITION AND/OR ADJUSTED TO GRADE.
- PIPE BEDDING SHALL BE PER STD. DWG. 452 AND SHALL BE CASE I UNLESS SPECIFIED OTHERWISE ON THE PLANS.
- CONTRACTOR SHALL PERFORM A PRECONSTRUCTION VIDEO OF THE SEWER MAIN LINES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VIDEOING ALL SEWER LATERALS FROM THE MAINLINE TO PROPERTY LINE.
- PIPE JOINTS FOR PROPOSED VCP SHALL BE TYPE "G", PER SECTION 208-2.3 OF THE STANDARD SPECIFICATIONS. PIPE JOINTS FOR JOINING EXISTING VCP TO PROPOSED VCP SHALL BE TYPE "Z", PER SECTION 208-5 OF THE STANDARD SPECIFICATIONS.
- SERVICE LATERALS REPAIR SHALL BE PERFORMED AFTER CCTV INSPECTION REPORT HAS BEEN REVIEWED AND APPROVED BY THE ENGINEER.

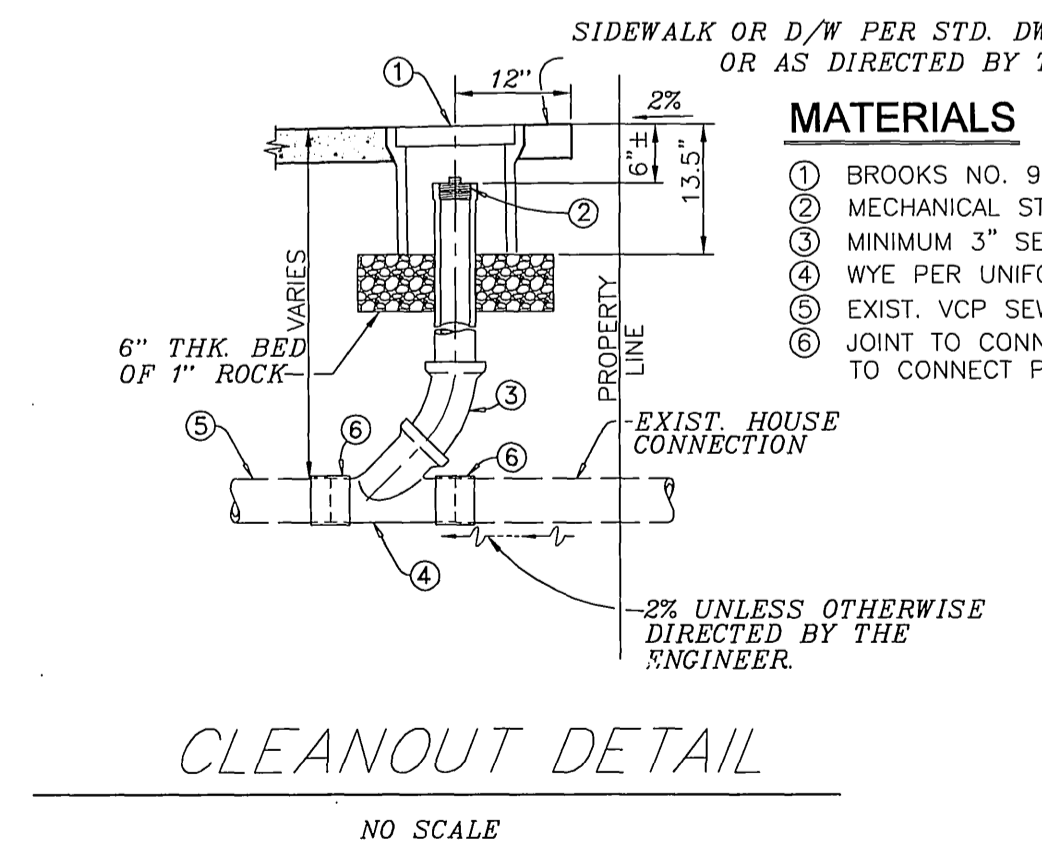


IMPORTANT NOTICE
Section 4216/4217 of the Government Code requires a Dig Alert identification Number to be issued before a "Hurry Up Excavate" will be void. For your Dig Alert I.D. Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 1-800-227-2600



SEWER LINE DATA

	L	BEARING
①	14.87'	N17°54'13"E
②	37.20'	N80°44'36"E
③	7.57'	N64°10'21"E



- MATERIALS**
- BROOKS NO. 9-T VALVE BOX OR EQUAL. (MARKED SEWER)
 - MECHANICAL STOPPER ST-SERIES BY MISSION RUBBER COMPANY OR CITY APPROVED EQUAL.
 - MINIMUM 3" SEWER PIPE.
 - WYE PER UNIFORM BUILDING CODE.
 - EXIST. VCP SEWER LATERAL.
 - JOINT TO CONNECT EXIST. VCP TO PROP. VCP SHALL BE TYPE "Z" JOINTS. JOINTS TO CONNECT PROP. VCP TO PROP. VCP SHALL BE TYPE "G".
- NOTES:**
- LID MUST BE CAST IRON AND MARKED SEWER.
 - BACKFILL OVER LATERALS TO BE COMPACTED BY TAMPING ONLY.
 - GRADE PARKWAY AT 2% TOWARDS CURB OR BACK OF SIDEWALK OR AS DIRECTED BY THE ENGINEER.
 - PCC SIDEWALK OR PCC D/W REMOVAL SHALL BE TO THE NEAREST SCORELINE. HOWEVER, NO LESS THAN 25 SQUARE FEET OF SIDEWALK OR D/W, WITH THE SMALLEST DIMENSION A MINIMUM OF 4 FEET, SHALL BE REMOVED AND REPLACED.
 - INSTALL SEWER CLEAN OUT IN THE RIGHT OF WAY LOCATION AND AS DIRECTED BY THE ENGINEER. WHERE C.O. IS TO BE PLACED IN A DIRT AREA, A 4-INCH THICK, 24"X24" PCC APRON SHALL BE CONSTRUCTED AROUND IT.

SEWER CURVE DATA

	Δ	R	L	T
①	15'12'36"	429.00'	113.88'	57.28'
②	7'13'6"	429.00'	54.07'	27.07'
③	16'34'15"	478.89'	138.50'	69.74'

- SPECIFIC CONSTRUCTION NOTES**
- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET, ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
 - RECHANNEL BASE OF EXISTING SEWER MANHOLE TO ACCOMMODATE PROPOSED OR REVISED FLOWS PER STD. DWG. 500.
 - CONSTRUCT SEWER CLEANOUT PER DETAIL ON SHEET 1.
 - ABANDON EXISTING SEWER IN PLACE
 - EXISTING SEWER TO REMAIN IN SERVICE.
 - CONNECT EXISTING SERVICE LATERALS TO PROPOSED 8" SEWER

BENCHMARK
G1-P3-P.K. NAIL AND CITY SURVEYOR TAG SET IN THE SOUTH WALL OF A CATCH BASIN ALONG TYLER AVENUE, 15 FEET NORTH OF THE NORTHEAST CURB RETURN OF TYLER STREET AND KELLER AVENUE, 1 FOOT BEHIND THE TOP CURB.
ELEV= 780.144

ENGINEER IN RESPONSIBLE CHARGE
LONNY LEW YOUNG
R.C.E. No. 43216 expires 03-31-2012
DATE: 02/25/2010

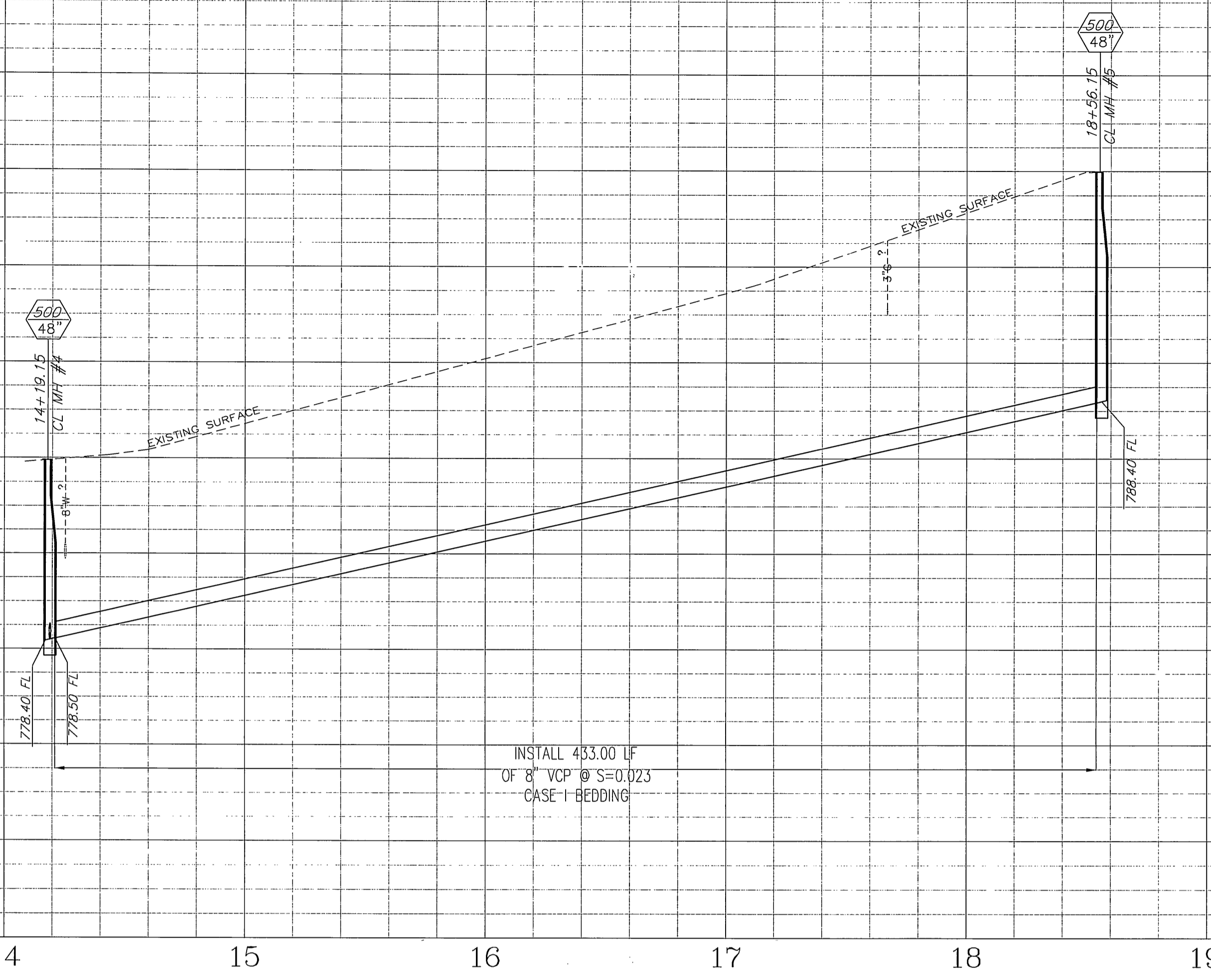
CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
PRINCIPAL ENGINEER
INSPECTION SUPERVISOR
DATE: 4/29/10

CREST-KELLER-NICHOLS
SEWER REPAIR AND REPLACEMENT
S-2077
SHEET 1 OF 2

ACC. No. 982832303-440301XX
W.O. 0902940

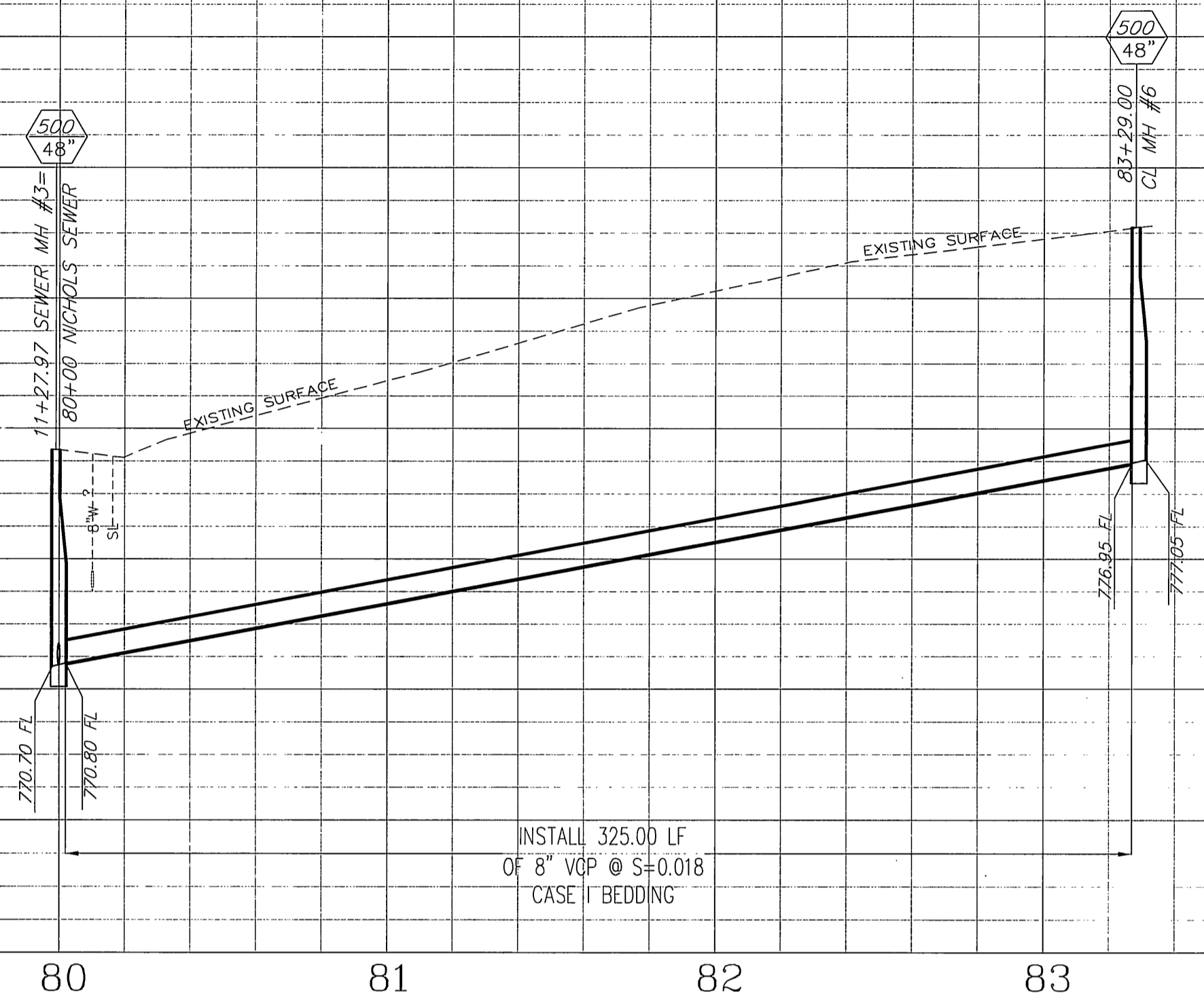
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798
794
790
786
782
778



INSTALL 453.00 LF OF 8" VCP @ S=0.023 CASE 1 BEDDING

794
790
786
782
778
774
770
766

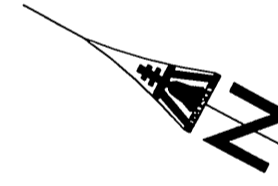


INSTALL 325.00 LF OF 8" VCP @ S=0.018 CASE 1 BEDDING

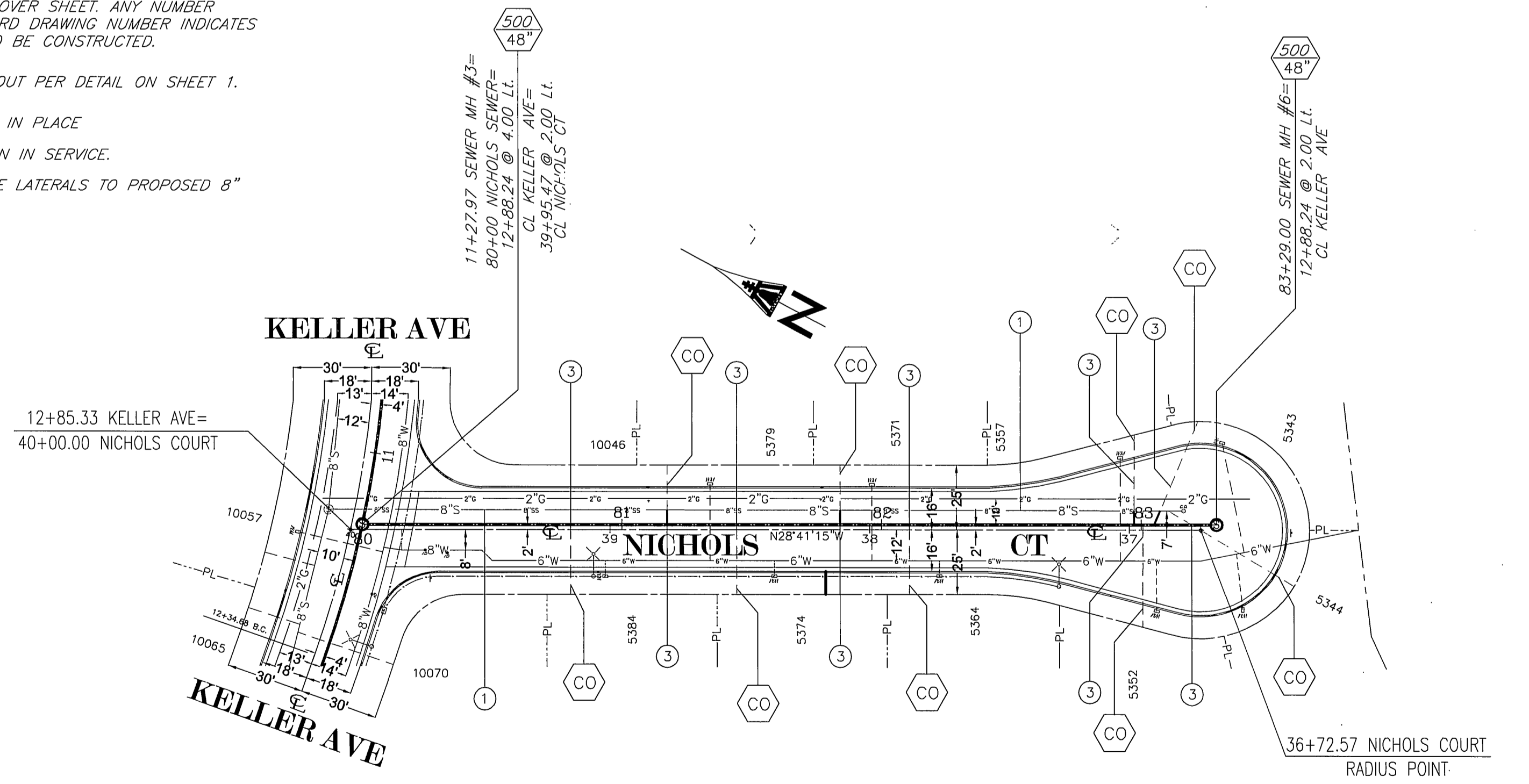
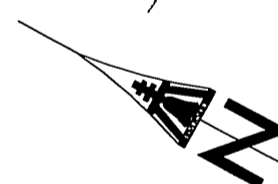
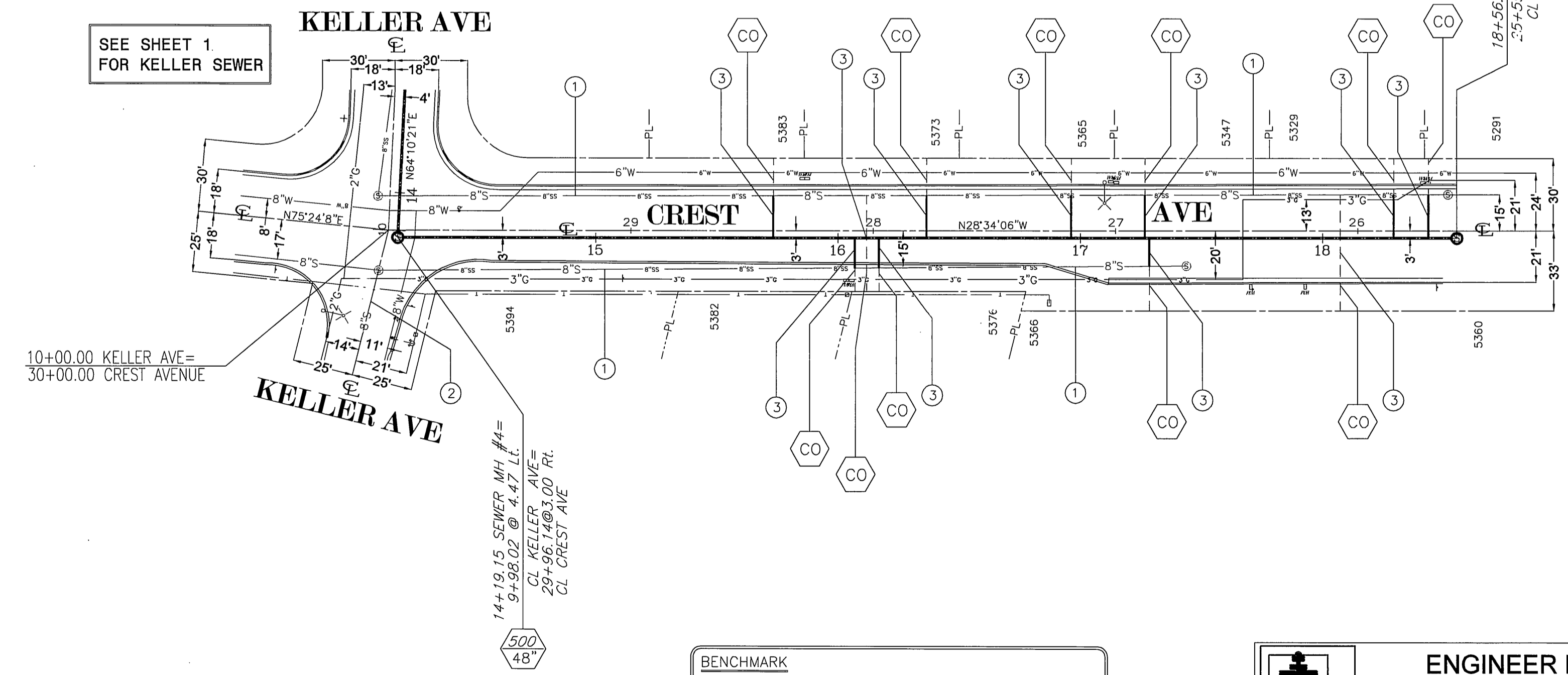
14 15 16 17 18 19 80 81 82 83 84

SPECIFIC CONSTRUCTION NOTES

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- CO CONSTRUCT SEWER CLEANOUT PER DETAIL ON SHEET 1.
- 1 ABANDON EXISTING SEWER IN PLACE
- 2 EXISTING SEWER TO REMAIN IN SERVICE.
- 3 CONNECT EXISTING SERVICE LATERALS TO PROPOSED 8" SEWER



SEE SHEET 1 FOR KELLER SEWER



BENCHMARK
 G1-P3-P-K. NAIL AND CITY SURVEYOR TAG SET IN THE SOUTH WALL OF A CATCH BASIN ALONG TYLER AVENUE, 15 FEET NORTH OF THE NORTHEAST CURB RETURN OF TYLER STREET AND KELLER AVENUE, 1 FOOT BEHIND THE TOP CURB.
 ELEV - 780.144

ENGINEER IN RESPONSIBLE CHARGE

 LANNY YOUNG
 CIVIL
 Exp. 03-31-2012
 DATE: 01/20/2010

MARK	REVISIONS	APPR.	DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY:
 PRINCIPAL ENGINEER
 SUPERVISOR
 ENGINEERING MANAGER
 DATE: 4/2/10

CREST-KELLER-NICHOLS
 SEWER REPAIR AND REPLACEMENT

ACC. No. 9828323203-440301XX
 W.G. 0902940
S-2077
 SHEET 2 OF 2