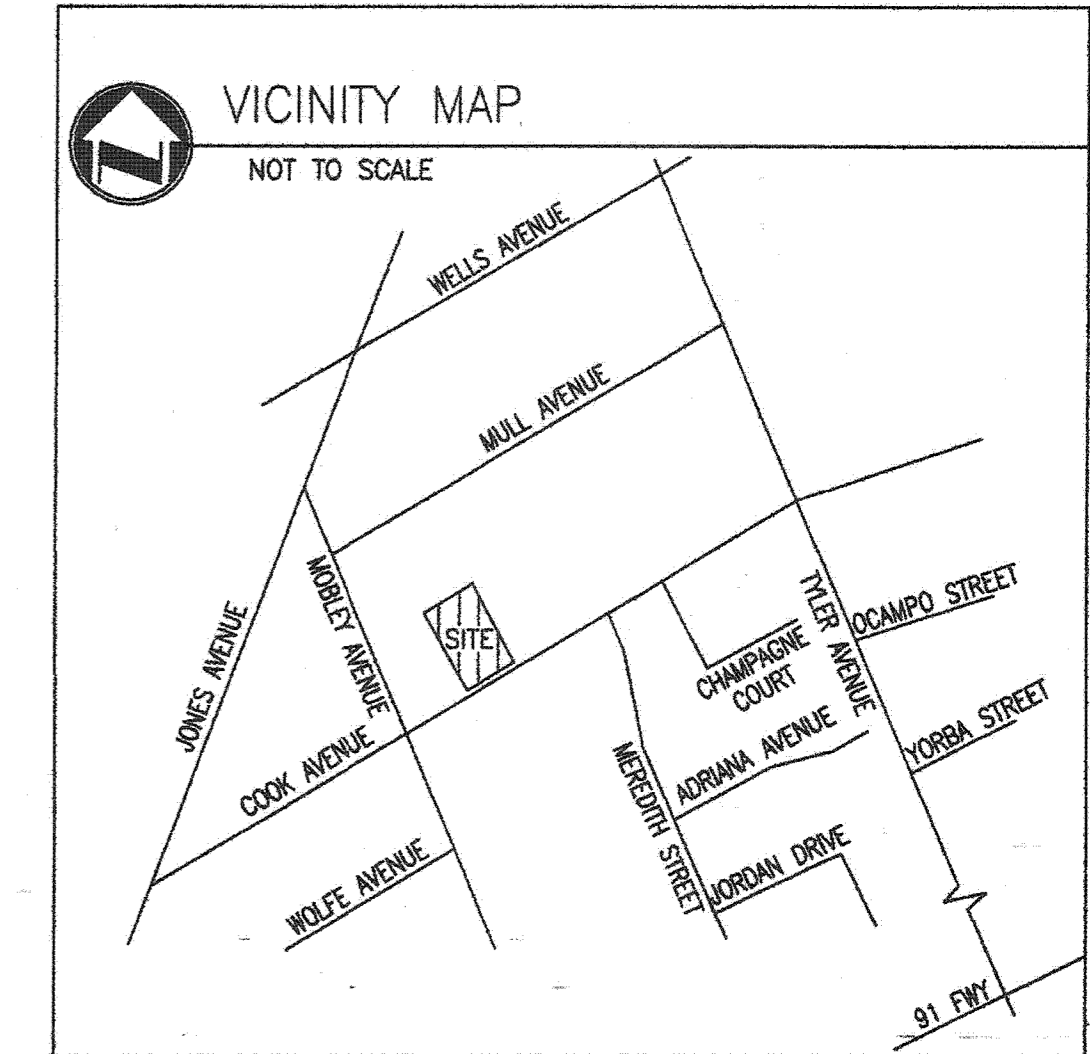


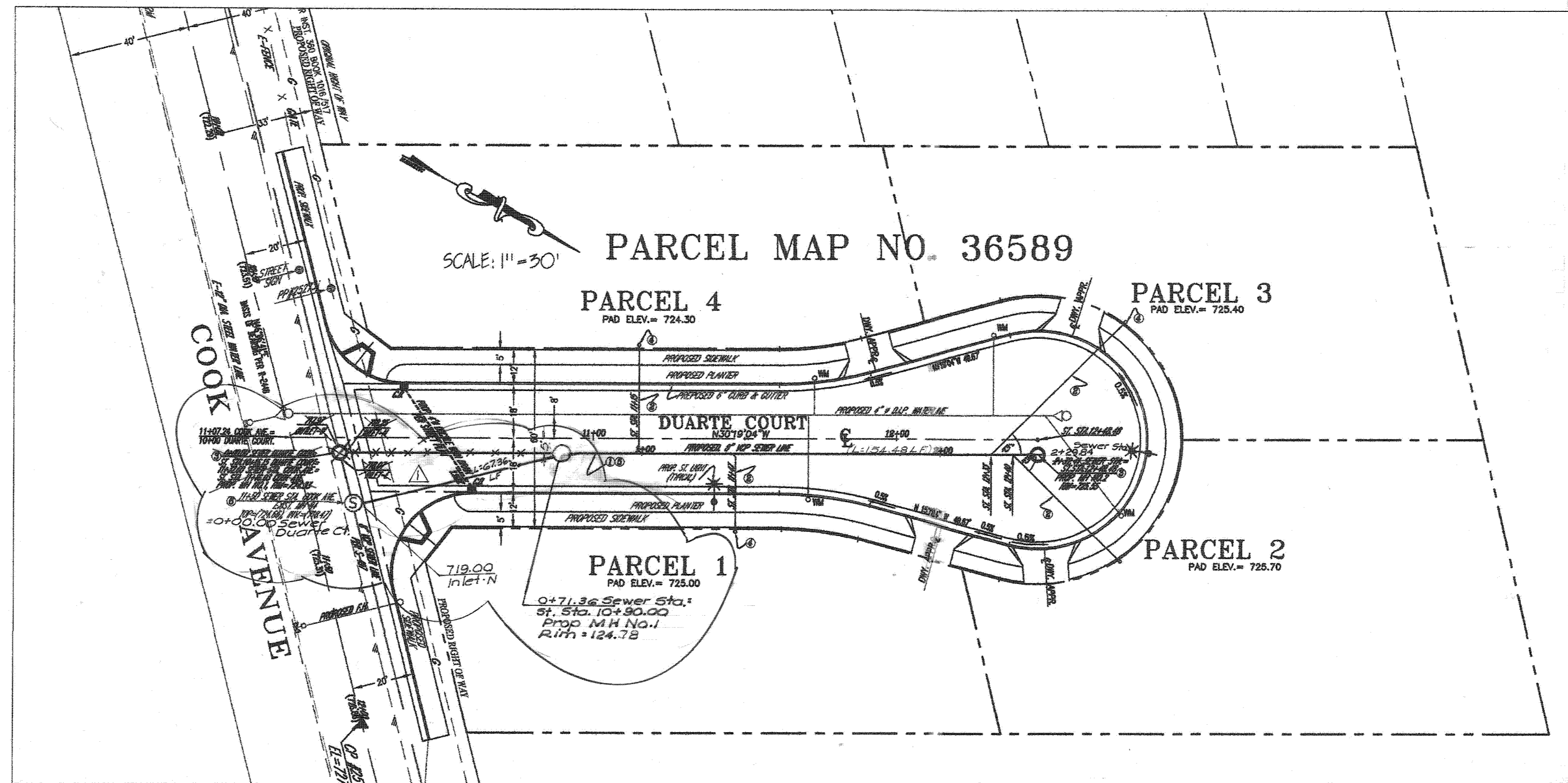
SEWER IMPROVEMENT PLAN

PARCEL MAP 36589

APN: 147-270-018
DUARTE COURT



- GENERAL NOTES**
- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHT-OF-WAY OR EASEMENTS OF THE CITY OF RIVERSIDE WITHOUT A VALID CONSTRUCTION PERMIT OR, A STREET OPENING PERMIT OR AN ENCROACHMENT PERMIT ISSUED BY THE CITY'S PUBLIC WORKS DEPARTMENT.
 - IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO CLEAR THE RIGHT-OF-WAY IN ACCORDANCE WITH THE PROVISIONS OF LAW AS IT AFFECTS EACH UTILITY INCLUDING IRRIGATION LINES AND APPURTENANCES AND NO COST OF THE CITY.
 - CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE DEPARTMENT OF PUBLIC WORKS, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, CURRENT EDITION.
 - THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE CITY.
 - QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
 - THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE #1-800-227-2600, TWO WORKING DAY BEFORE DIGGING. NO CONSTRUCTION PERMIT WILL BE ISSUED BY THE PUBLIC WORKS DEPARTMENT INVOLVING EXCAVATION FOR UNDERGROUND FACILITIES UNLESS THE APPLICANT HAS BEEN PROVIDED AN INQUIRY IDENTIFICATION NUMBER BY U.S.A.
 - THE CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
 - LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AS THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
 - NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION OF THE SEWER LINE SEGMENT BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
 - A PLUG SHALL BE INSTALLED AND WILL REMAIN IN PLACE WHERE THE NEW SEWER CONNECTS WITH THE EXISTING SEWER UNTIL THE NEW SEWER IS ACCEPTED BY THE CITY.
 - THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
 - PIPES JOINTS FOR VITRIFIED CLAY PIPE SHALL BE TYPE "G" AS SPECIFIED IN SECTION 208-2.3 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS PROJECTS. IF PLASTIC IS ALLOWED AS AN ALTERNATIVE, ALL PIPE JOINTS SHALL BE GASKETED. CEMENTED JOINTS SHALL NOT BE ALLOWED.
 - THE DEVELOPER AND /OR CONTRACTOR IS RESPONSIBLE FOR PERFORMING A VIDEO INSPECTION OF ALL NEW SEWER AND STORM DRAIN FACILITIES TO BE PUBLICLY OWNED AND MAINTAINED PRIOR TO FINAL ACCEPTANCE OF THE WORK. THE VIDEO INSPECTION MUST BE PERFORMED IN THE PRESENCE OF THE PUBLIC WORKS INSPECTOR. A RECORDING OF THE VIDEO INSPECTION MUST BE SUBMITTED TO THE CITY FOR REVIEW AND ACCEPTANCE.



UTILITY COMPANIES

ELECTRIC: CITY OF RIVERSIDE PUBLIC UTILITIES
3750 UNIVERSITY AVE, 3RD FLOOR
RIVERSIDE CA, 92501
(951) 826-5489

GAS: SOUTHERN CALIFORNIA GAS COMPANY
7000 INDIANA AVE, SUITE 105
RIVERSIDE CA, 92506
(811) 238-0092

PHONE: AT&T
3502 TYLER ST.
RIVERSIDE CA, 92505
(951) 353-0680

SEWER: CITY OF RIVERSIDE PUBLIC WORKS
3900 MAIN ST. 4TH FLOOR
RIVERSIDE CA, 92522
(951) 826-5341

WATER: CITY OF RIVERSIDE PUBLIC UTILITIES
3750 UNIVERSITY AVE, 3RD FLOOR
RIVERSIDE CA, 92501
(951) 826-5285

CABLE: AT&T
3502 TYLER ST.
RIVERSIDE CA, 92505
(951) 353-0680

TRASH: CITY OF RIVERSIDE PUBLIC WORKS
8095 LINCOLN AVE.
RIVERSIDE CA, 92504
(951) 351-6247

PRIVATE ENGINEER'S NOTES TO CONTRACTOR

ALL CONTRACTOR AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS "CONSTRUCTION SAFETY ORDERS" THE CIVIL ENGINEER SHALL BE NOT RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS AND SUBCONTRACTORS COMPLIANCE WITH SAID REGULATIONS.

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. THE CIVIL ENGINEER ASSUMES NO LIABILITY AS TO THE EXACT LOCATION OF SAID LINES NOR FOR UTILITY OR IRRIGATION LINES WHOSE LOCATION ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS AND SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES FOR ANY DAMAGE OR PROTECTION TO THESE LINES.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY, THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

LEGAL DESCRIPTION

REAL PROPERTY IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

LOT 17 IN BLOCK 11 OF LA GRANADA, IN THE CITY OF RIVERSIDE, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 12 PAGES 42 TO 51 INCLUSIVE OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID CITY.

TOGETHER WITH THAT PORTION OF COOK AVENUE (LOT 2) VACATED BY RESOLUTION OF THE COUNTY OF RIVERSIDE, CERTIFIED COPY OF WHICH WAS RECORDED OCTOBER 5, 1948 AS DOC. NO. 380 IN BOOK 1016 PAGE 517 OF OFFICIAL RECORDS.

APN: 147-270-018 (SEE TITLE REPORT BY FIRST AMERICAN TITLE COMPANY)

SEWER CONSTRUCTION NOTES

DESCRIPTION	QUANTITY
1. INSTALL 8" V.C.P., SEWER LINE PER CITY STD. DWG. 452	299 LF 222 L.F.
2. INSTALL 4" VCP SEWER LATERAL WITH C.O. PER CITY STD. DWG. 562	4 EA/150 LF
3. CONSTRUCT 48" SEWER MANHOLE PER CITY STD. DWG. 500	2 EA
4. INSTALL BACKFLOW WATER VALVE	3 EA
5. CONSTRUCT TYPICAL TRENCH PER CITY STD. DWGS. 452 & 453, CASE 1 GRANULAR MATERIAL SHALL NOT BE SAND OR NATIVE MATERIAL	229 LF 222 L.F.
6. ADJUST RIM ELEVATION TO TOP OF GRADE	1 EA

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	PROPERTY LINE	☉	PROPOSED STREET LIGHT
---	CENTER LINE	☐	WATER AND SERVICE METER
---	EXISTING CONST.	---	THRUST BLOCK
---	PROPOSED CONST.		
TC	TOP OF CURB		
FL	FLOW LINE ELEVATION		
FS	FINISHED SURFACE		
WV	WATER VALVE		
WM	WATER METER		
FH	FIRE HYDRANT		
R/W	RIGHT OF WAY		
CL	CENTER LINE		
SMH	SEWER MANHOLE		
INV.	INVERT		
LP	LOW POINT		
TG	TOP OF GRATE		
P	PROPERTY LINE		
BC	BEGN HORIZ. CURVE		
EC	END HORIZ. CURVE		

PUBLIC UTILITIES DEPARTMENT NOTE

DEVELOPER IS TO GIVE WATER DIVISION FIVE (5) WORKING DAYS WRITTEN NOTICE PRIOR TO START THE CONSTRUCTION AND ALLOW CITY FIFTEEN (15) WORKING DAYS FOR COMPLETION OF WORK. (951) 351-6368

ENCROACHMENT NOTE

WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL A CONSTRUCTION PERMIT HAS BEEN OBTAINED FROM THE CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT.

CITY SHEET INDEX

NO.	SHEET TITLE
1	TITLE SHEET
2	SEWER PLAN & PROFILE DUARTE CT. & COOK AVE.

IMPORTANT NOTICE

SECTION 4714.7 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER TO BE ISSUED BEFORE A PERMIT TO EXCAVATE WILL BE VALID.

FOR YOUR DIG ALERT IDENTIFICATION NUMBER CALL: CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT (800) 277-2600

BENCHMARK:

FD, P.K. NAIL & CITY ENGINEER TAG IN THE NORTH CORNER OF TRAFFIC SIGNAL BASE AT THE S-W CORNER OF TYLER ST. & WELLS AVE.

F2-U3 ELEVATION = 752.148

CITY OF RIVERSIDE
PUBLIC UTILITIES - WATER DIVISION

APPROVED BY: *[Signature]* DATE: 10/30/2015

ENGINEER'S STATEMENT

THIS PLAN WAS PREPARED UNDER MY DIRECTION IN FEBRUARY 2015

[Signature] JULIO N. LOZA
RCE C54826
DATE: 10-6-2015

FIRM JNL CONSULTING CIVIL ENGINEERS
ADDRESS 10534 Shady Lane Court
Rancho Cucamonga, CA 91737
PHONE (909) 944 5602
CITY BUSINESS LICENSE# 1287010 EXP. DATE: 2-29-2016

MARK	REVISIONS	APPROVED	DATE
	1 Sewer Pipe Revision	<i>[Signature]</i>	10/20/15

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 10/20/15
ENGINEERING MANAGER
CAPITAL PROJECTS

CITY ENGINEER/PW DIRECTOR
DATE: 10/20/15

SEWER IMPROVEMENT PLAN PW15-0111

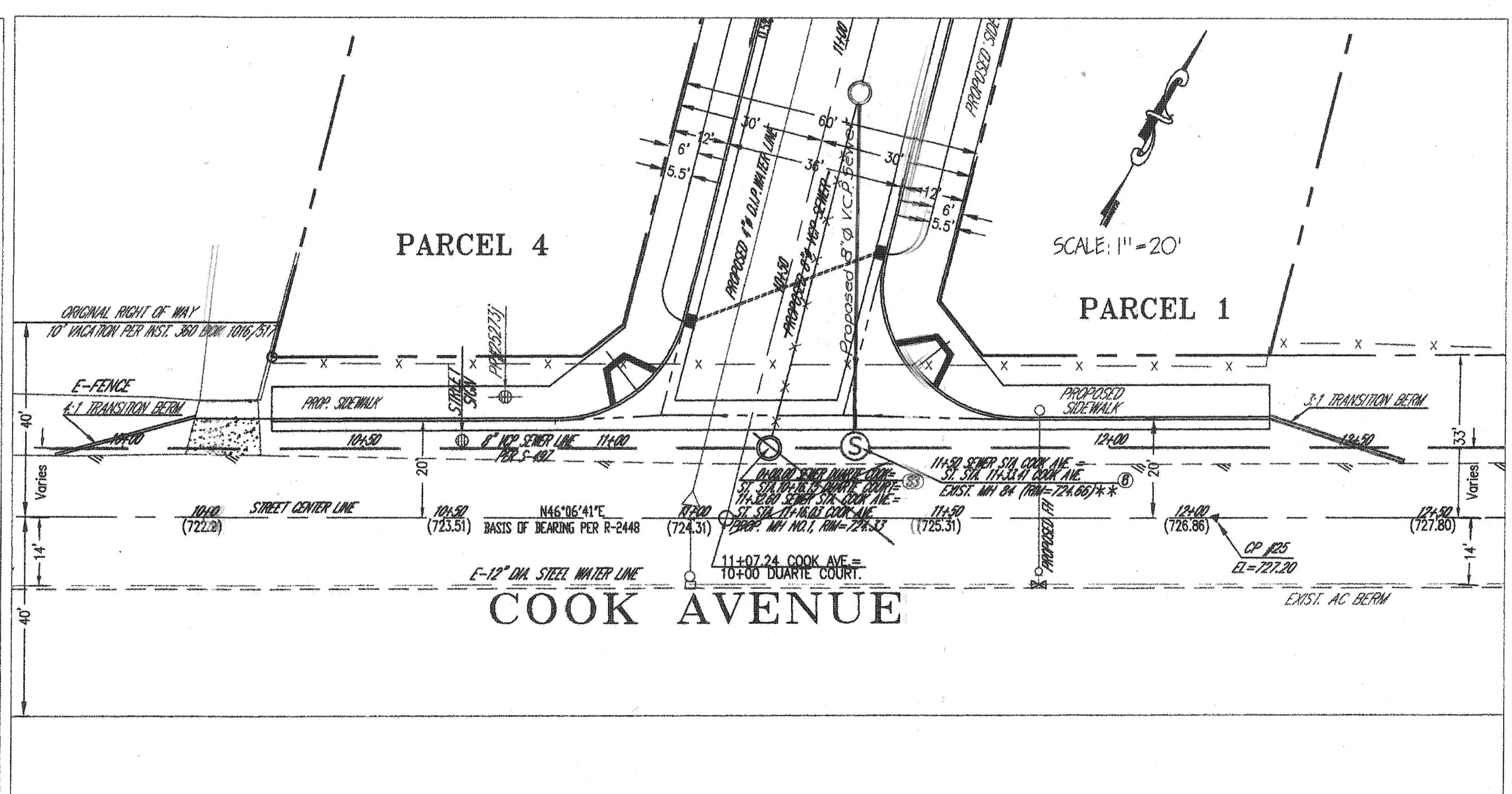
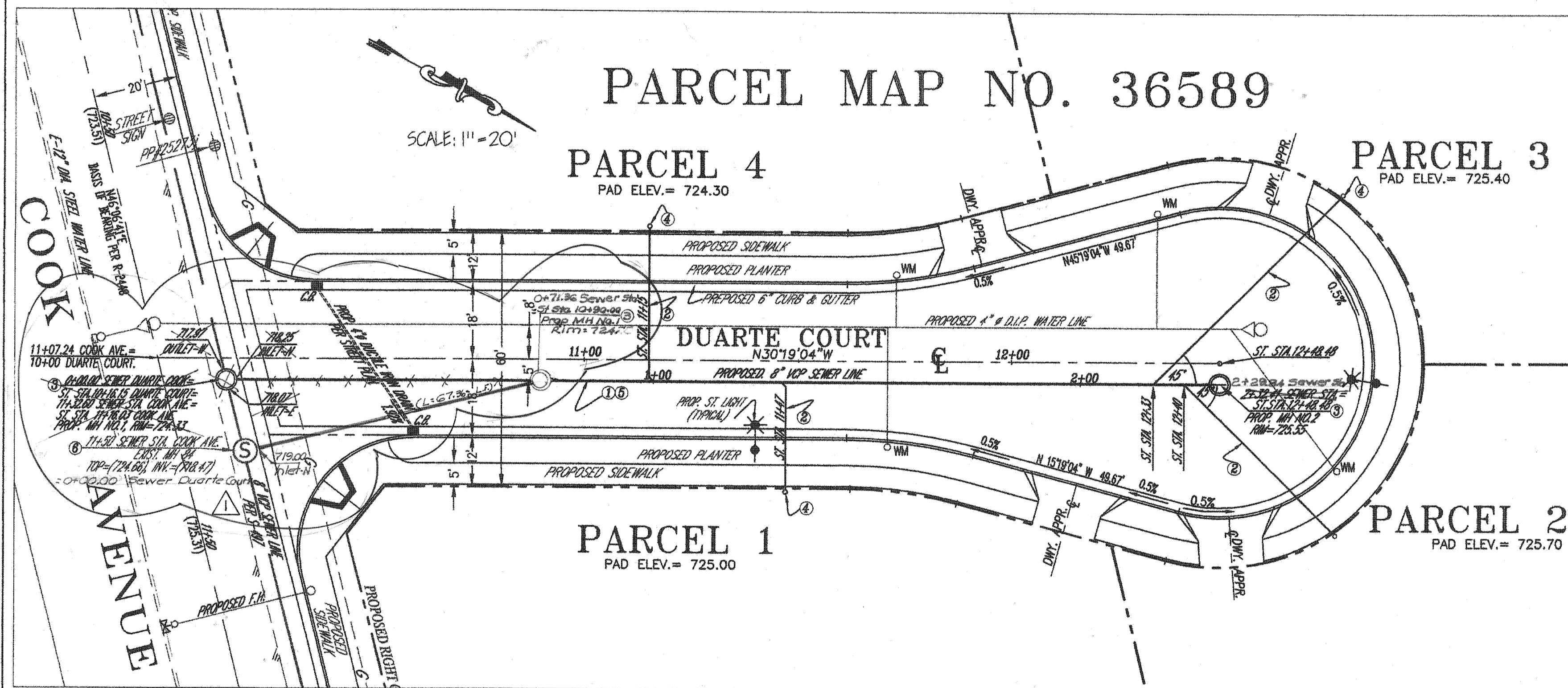
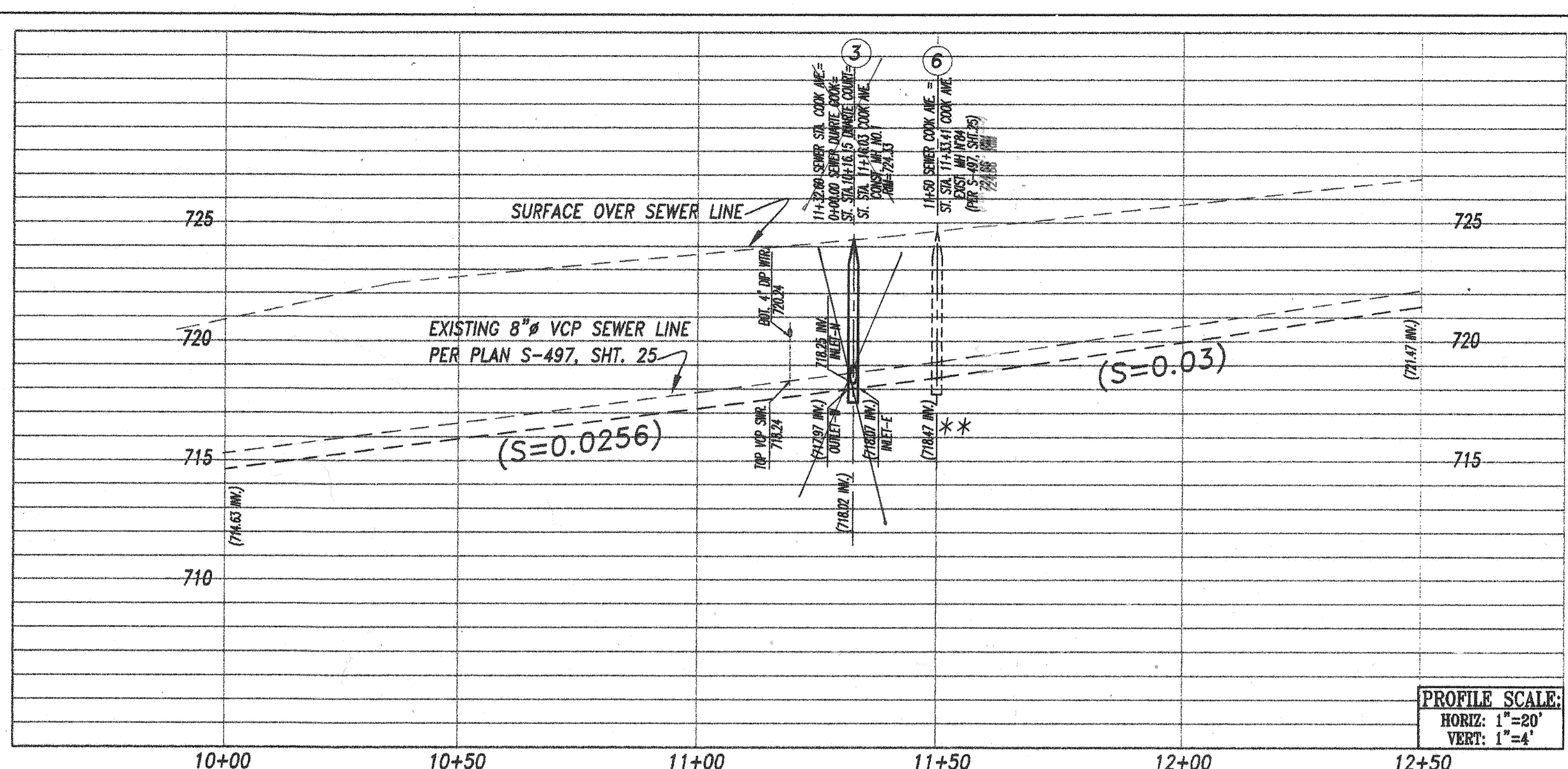
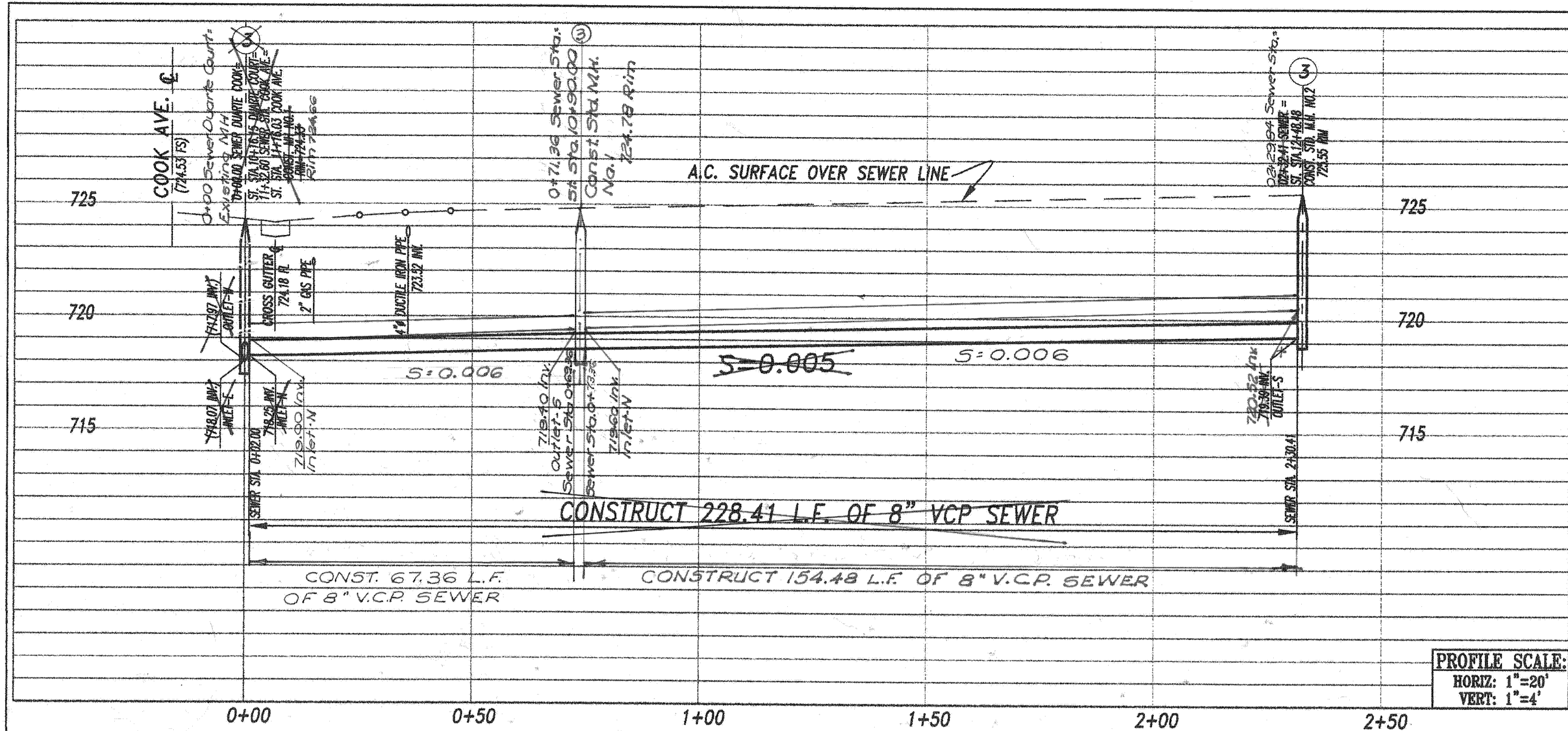
TITLE SHEET

DUARTE COURT

FROM STA 0+00 TO STA 2+48.48
PARCEL MAP NO. 36589

S-2132

SHEET 1 OF 2



SEWER LATERAL LOCATION		
LOT	ST. STATION	LENGTH
1	11+46.00	25 LF
2	12+40.00	50 LF
3	12+33.00	62 LF
4	11+16.00	35 LF

SEWER CONSTRUCTION NOTES	
DESCRIPTION	QUANTITY
1. INSTALL 8" V.C.P. SEWER LINE PER CITY STD. DWG. 452	228 LF
2. INSTALL 4" VCP SEWER LATERAL WITH C.O. PER CITY STD. DWG. 562	4 EA/150 LF
3. CONSTRUCT 48" SEWER MANHOLE PER CITY STD. DWG. 500	2 EA
4. INSTALL BACKFLOW WATER VALVE	3 EA
5. CONSTRUCT TYPICAL TRENCH PER CITY STD. DWGS. 452 & 453, CASE 1 GRANULAR MATERIAL SHALL NOT BE SAND OR NATIVE MATERIAL	228 LF 228 LF
6. ADJUST RIM ELEVATION TO TOP OF GRADE	1 EA

** CONTRACTOR SHALL VERIFY LOCATION AND ELEVATION OF EXISTING SEWER LINE PRIOR TO START THE CONSTRUCTION TO INSURE PROPER SEWER FLOW.

IMPORTANT NOTICE
SECTION 9116.0217 OF THE GOVERNMENT CODE
REQUIRES A DIG ALERT IDENTIFICATION
NUMBER TO BE ISSUED BEFORE A
"PERMIT TO EXCAVATE" WILL BE VALID.
FOR YOUR DIG ALERT IDENTIFICATION NUMBER CALL:
CALL TOLL FREE
48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICES ALERT
(800) 277-2600

BENCHMARK:
FD, P.K. NAIL & CITY ENGINEER TAG IN THE
NORTH CORNER OF TRAFFIC SIGNAL BASE AT
THE S-W CORNER OF TYLER ST. & WELLS AVE.
F2-U3 ELEVATION = 752.148

CITY OF RIVERSIDE
PUBLIC UTILITIES - WATER DIVISION
APPROVED BY: *[Signature]* DATE: 10/30/2015

REGISTERED PROFESSIONAL ENGINEER
JULIO N. LOZA
No. C54826
Exp. 3-31-18
CIVIL
STATE OF CALIFORNIA
ENGINEER'S STATEMENT
THIS PLAN WAS PREPARED UNDER
MY DIRECTION IN FEBRUARY 2015
DATE: 10-6-2015
DATE: JULIO N. LOZA RCE C54826

FIRM JNL CONSULTING CIVIL ENGINEERS
ADDRESS 10534 Shady Lane Court
Rancho Cucamonga, CA 91737
PHONE (909) 944 5602
CITY BUSINESS LICENSE# 1237010 EXP. DATE: 2-29-2018

DESIGNED BY: JNL DRAWN BY: JNL CHECKED BY: JNL
APPROVED DATE: 10/21/15

CITY OF RIVERSIDE, CALIFORNIA
PUBLIC WORKS DEPARTMENT
APPROVED BY: *[Signature]* DATE: 10/23/15
ENGINEERING MANAGER
CAPITAL PROJECTS
CITY ENGINEER/PW DIRECTOR: *[Signature]*
DATE: 10/23/15

SEWER IMPROVEMENT PLAN PW15-0111
PLAN & PROFILE
DUARTE COURT
FROM STA 0+00 TO STA 2+31.41
PARCEL MAP NO. 36589
S-2132
SHEET 2 OF 2

2/12/15