

GENERAL NOTES:

- NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-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 THE 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 AT NO COST TO 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 DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
- SEE CITY OF RIVERSIDE APPROVED UTILITY DRAWING FOR EXACT LOCATION AND QUANTITY OF REQUIRED STREET LIGHTS.
- ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
- WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED IN A SMOOTH AND STRAIGHT LINE. CONSTRUCT MATCH-UP PAVING AS SHOWN ON THE PLANS AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
- CONSTRUCT DRIVEWAY APPROACHES PER STANDARD DRAWING 302. EXACT SIZE AND LOCATION TO BE STAKED BY THE PRIVATE ENGINEER PRIOR TO CONSTRUCTION OF THE CURB AND GUTTER.
- THE DEVELOPER AND/OR CONTRACTOR SHALL CONTACT THE STREET DIVISION (351-6127) TO PICK UP ANY EXISTING STD. 180 BARRICADES THAT ARE BEING REMOVED. THE CITY'S INSPECTOR WILL MAKE THE FINAL DETERMINATION ON WHETHER A BARRICADE CAN BE RELOCATED.
- ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
- FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER. FOR STRIPING PLAN SEE XL-746.
- THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 1-800-227-2600, TWO WORKING DAYS 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.
- IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH A.C. PAVING.
- THE CONTRACTOR SHALL COORDINATE TRENCHING FOR CABLE TELEVISION WITH OTHER TRENCHING WITHIN THE SUBDIVISION.
- STREET OPENING PERMIT FOR CONSTRUCTION AND/OR MODIFICATION OF TRAFFIC SIGNAL FACILITIES IS REQUIRED.
- ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
- SEE TRAFFIC SIGNAL PLAN X-746/XL-746 FOR TRAFFIC SIGNAL FACILITIES AND STRIPING.
- STREET IMPROVEMENT WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR LOOP(S) SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS ARE MADE TO MAINTAIN SIGNAL OPERATION.

NOTE TO CONTRACTOR:

- CONTRACTOR SHALL PROVIDE SHORING FOR WATER CONSTRUCTION CONSTRUCTION AS NECESSARY TO MAINTAIN ALL EXISTING TRAFFIC LANES.
- CONTRACTOR SHALL REMOVE AND REPLACE AC PAVEMENT TO MATCH EXISTING FOR WATER CONSTRUCTION. SEE WATER DWG. 05-1615173. ALL FINAL TRENCH PAVING FOR CITY INSTALLED WATER PIPELINES SHALL BE BY DEVELOPER'S CONTRACTOR PER CITY OF RIVERSIDE PUBLIC WORKS STD. NO. 453.
- CONTRACTOR SHALL PROVIDE AND PROCESS DETOURING PLANS FOR MAGNOLIA AVE AND PIERCE STREET FOR WATER AND STREET WIDENING CONSTRUCTION.
- AT THE END OF WORK DAY, EXCAVATIONS SHALL BE FENCED AND BARRICADED. TRENCHES SHALL BE FILLED PAVED AND BARRICADED TO ALLOW SAFE MOVEMENT OF TRAFFIC.
- THE CONTRACTOR SHALL MAINTAIN ON A 24 HOUR BASIS ALL SIGNS, DELINEATION BARRICADES TO INSURE PROPER FLOW AND SAFETY OF TRAFFIC. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PLACEMENT OF ANY ADDITIONAL DEVICES NECESSARY TO ASSURE SAFETY TO THE PUBLIC AT ALL TIME DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE REQUIRED TO REPLACE STRIPING, AND SIGNS TO ITS ORIGINAL STATE AFTER COMPLETION OF CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM OF ONE FOURTEEN FOOT WIDE LANE IN EACH DIRECTION AND ACCESS TO ALL ADJACENT PROPERTIES DURING AND AFTER WORKING HOURS ON MAGNOLIA AVE AND PIERCE STREET
- CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ALL NECESSARY CALCULATIONS PLANS AND DETAILS FOR ALL SHORING REQUIRED. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROCESSING SHORING PLANS THRU THE LOCAL AGENCY FOR APPROVAL.

STREET LIGHTS NOTES:

CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF STREET LIGHTS AND UNDERGROUND ELECTRIC FACILITIES.
 CONTACT RIVERSIDE PUBLIC UTILITIES ELECTRIC DIVISION 90 DAYS IN ADVANCE OF CONSTRUCTION TO OBTAIN APPROVED STREET LIGHT AND ELECTRIC PLANS
 CONTACT: JASON CARTAYA
 PHONE NO. 951-826-5393
 3750 UNIVERSITY AVE, 3RD FLOOR
 RIVERSIDE, CA 92501

UTILITY NOTES:

ALL UTILITIES SHALL BE SATISFACTORILY RELOCATED, PROTECTED AND/OR REPLACED TO THE SPECIFICATIONS OF THE AFFECTED DEPARTMENTS AND AGENCIES, AND EASEMENTS FOR SUCH FACILITIES RETAINED AS NECESSARY.
 POWER UTILITY FACILITIES SHALL BE RELOCATED BY THE DEVELOPER AND CITY OF RIVERSIDE AT DEVELOPER'S EXPENSE. CONTACT RIVERSIDE PUBLIC UTILITIES (951-826-5489) 90 DAYS IN ADVANCE OF CONSTRUCTION FOR RELOCATION OF POWER FACILITIES.

ABBREVIATIONS:

AC	ASPHALT CONCRETE	LF	LENGTH FOOT
BCR	BEGIN CURB RETURN	O.C.	ON CURB
BVC	BEGIN VERTICAL CURVE	PI	POINT OF INTERSECTION
CAB	COARSE AGGREGATE BASE	PROP	PROPOSED
CF	CURB FACE	P/L	PROPERTY LINE
C/L	CENTER LINE	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	R	RADIUS
CSP	CORRUGATED STEEL PIPE	R/W	RATE OF GRADE
DWG.	DRAWING	R/W	RIGHT OF WAY
DRWY.	DRIVEWAY	SHT.	SHEET
DR.	DRIVE	STA.	STATION
EX/EXIST.	EXISTING	STD.	STANDARD
ECR	END CURB RETURN	ST. LT.	STREET LIGHT
EVC	END VERTICAL CURVE	TEL	TELEPHONE
ELEV.	ELEVATION	TC	TOP OF CURB
E.P.	EDGE OF PAVEMENT	TB	TOP OF BERM
FL	FLOW LINE	TYP.	TYPICAL
FS	FINISHED SURFACE	VC	VERTICAL CURVE
G	GAS	V	VERTICAL DEPTH
GALL.	GALLON	VERT.	VERTICAL
GB	GRADE BREAK	W	WIDTH
MIN.	MINIMUM	12W	SIZE-WATER
MAX.	MAXIMUM		
MH	MANHOLE		
NO.	NUMBER		

LEGEND

	EXIST. FIRE HYDRANT		EXIST. CABLE TV CONDUIT
	EXIST. WATER METER		EXIST. EDGE OF A.C. PAVEMENT
	EXIST. WATER VALVE		EXIST. CURB AND GUTTER
	EXIST. GAS VALVE		EXIST. SANITARY SEWER
	GUY WIRE/DEADMAN		EXIST. STORM DRAIN
	EXIST. POWER POLE		EXIST. GAS LINE
	EXIST. TRAFFIC SIGNAL		EXIST. TELEPHONE CONDUIT
	EXIST. CROSSWALK SIGNAL		EXIST. WATER LINE
	STREET LIGHTING BOX		EXIST. CONTOUR
	EXIST. STREET LIGHT		PROPERTY LINE
	EXIST. STORM DRAIN MANHOLE		CONSTRUCTION NOTES BUBBLE
	EXIST. SEWER MANHOLE		FULL DEPTH AC PMT.
	EXIST. VAULT		SIDEWALK
	EXIST. SIGN		COLD PLANE AC OVERLAY
	TREE		AC PAVEMENT
	EXIST. TRAFFIC SIGNAL BOX		
	EXIST. GAS METER		
	EXIST. MAIL BOX		
	EXIST. TELEPHONE MANHOLE		
	EXIST. GRADE ELEVATION		

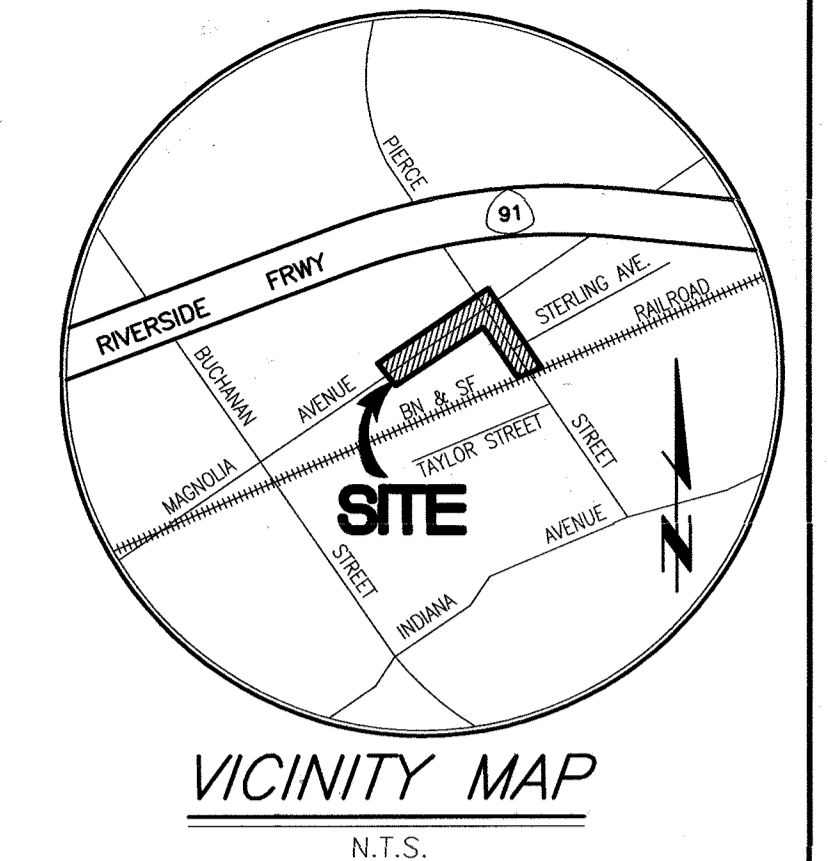
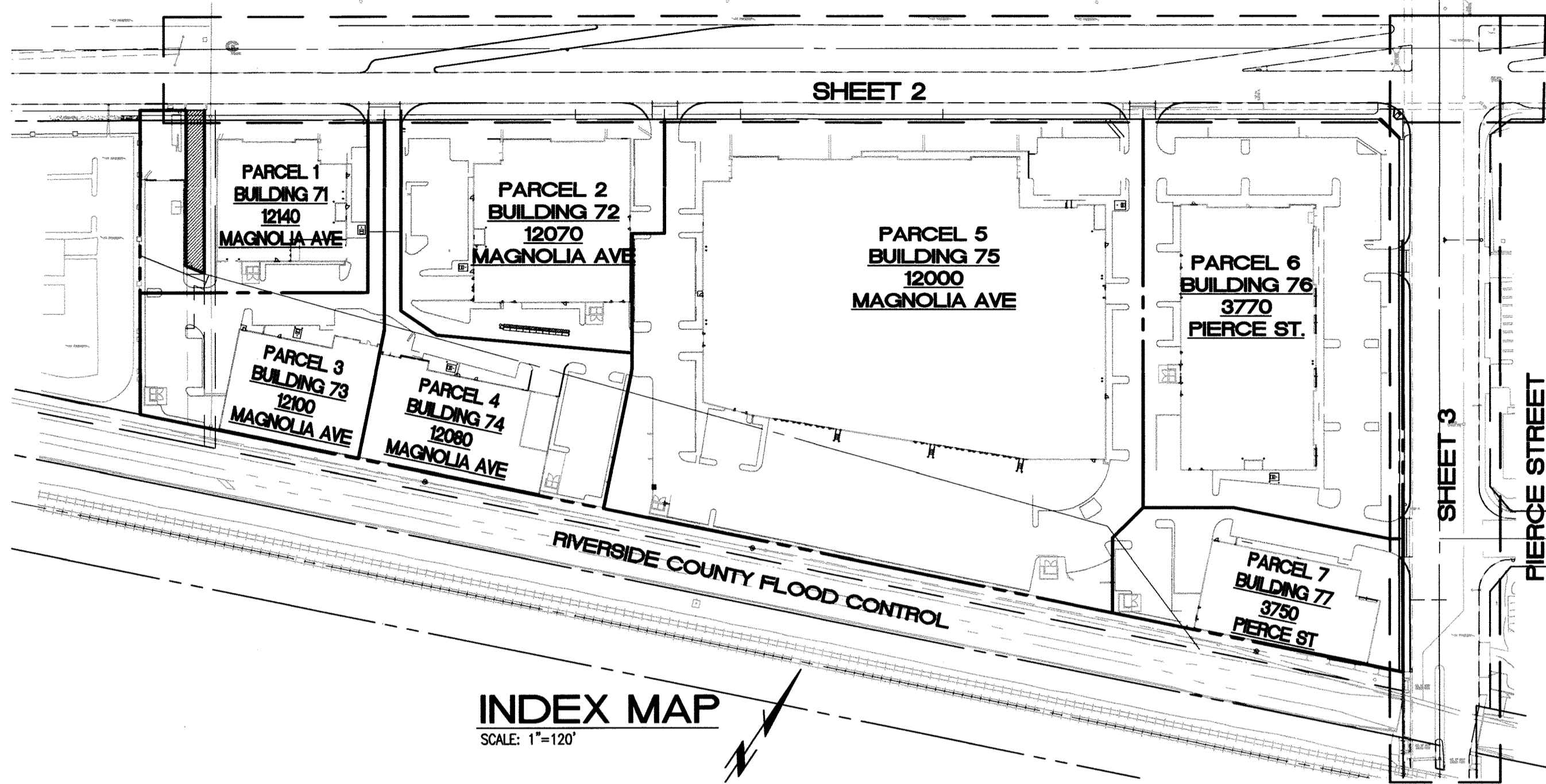
STREET IMPROVEMENT PLANS

FOR

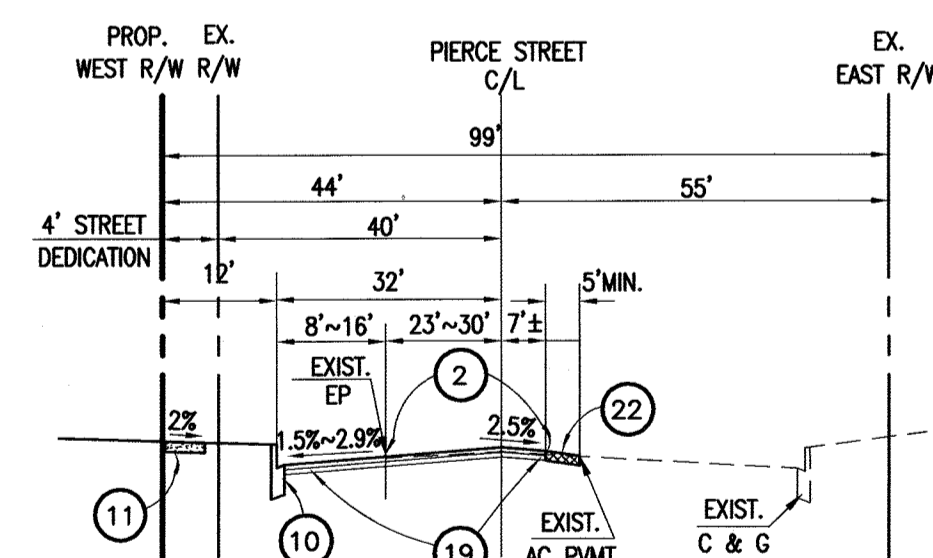
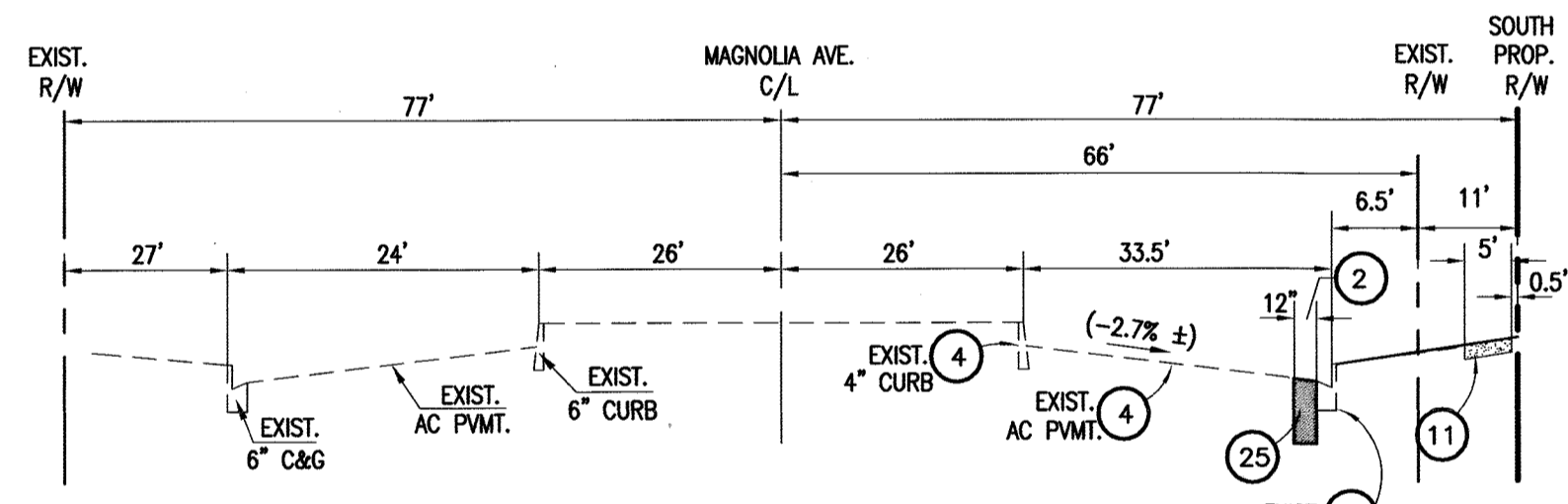
MAGNOLIA AVENUE AND PIERCE STREET

PM 34605

MAGNOLIA AVENUE



INDEX MAP
SCALE: 1"=120'



SHEET INDEX

TITLE SHEET	SHEET 1
MAGNOLIA AVE. - PLAN & DETAILS	SHEET 2
PIERCE ST. - PLAN & PROFILE	SHEET 3

REFERENCE DRAWINGS

- GRADING:**
CITY OF RIVERSIDE
PW16-0058
- SEWER:**
CITY OF RIVERSIDE
S-1345
S-2137
- STREET:**
CITY OF RIVERSIDE
R-2310
R-2203
- WATER:**
CITY OF RIVERSIDE
DS-1615173
71-039
- DRAINAGE:**
RIVERSIDE COUNTY FLOOD CONTROL
DWG. NO. 1-151
DWG. NO. 1-391

CONSTRUCTION NOTES:

*PAVEMENT SECTIONS ARE APPROXIMATE VALUES. SOIL ENGINEER SHALL DETERMINE THE FINAL PAVEMENT SECTIONS ACCORDING TO THE ACTUAL R-VALUE TEST RESULTS

NO.	DESCRIPTION	QTY.
1	SAWCUT AND REMOVE EXISTING CURB AND GUTTER	815 L.F.
2	SAWCUT AND REMOVE EXISTING AC PAVEMENT	713 L.F.
3	REMOVE EXISTING DRIVEWAY	1 EA
4	PROTECT IN PLACE	9 EA
5	REMOVE EXISTING TREES	21 EA
6	REMOVE GATE VALVE AND CAP EXISTING 14" IRRIGATION LINE	1 EA
7	ADJUST TO GRADE EXISTING WATER VALVE.	3 EA
8	REMOVE CHAIN LINK FENCE	290 L.F.
9	REMOVE EXIST. AC BERM	132 L.F.
10	CONSTRUCT 6" CURB AND GUTTER TYPE I PER CITY OF RIVERSIDE STD. NO. 200	1048 L.F.
11	CONSTRUCT 5' SIDEWALK PER CITY OF RIVERSIDE STD. NO. 325	8552 S.F.
12	NOT USED	-
13	NOT USED	-
14	ADJUST TO GRADE SEWER MANHOLE	1 EA
15	ADJUST TO GRADE EXIST. GAS VALVE	3 EA
16	RELOCATE EXIST. TRAFFIC SIGNAL PER SEPARATE PLANS (X-746)	2 EA
17	ADJUST TO GRADE EXISTING TRAFFIC PULL BOX PER SEPARATE PLANS (X-746)	2 EA
18	CONSTRUCT DRIVEWAY APPROACH PER CITY OF RIVERSIDE STD. NO. 302, W= PER PLAN	4075 S.F.
19	CONSTRUCT 0.35' AC OVER 1.37' AB T1=10.0 (MAGNOLIA AVE) MATCH EXISTING SECTION	5935 S.F.
20	CONSTRUCT WHEEL CHAIR RAMP TYPE I PER CITY OF RIVERSIDE STD. NO. 304	1 EA
21	REMOVE/RELOCATE EXISTING TELEPHONE POLE	1 EA
22	COLD PLANE AND CONSTRUCT AC OVERLAY (1-1/2" MIN.) MATCH EXISTING	3667 S.F.
23	REMOVE EXISTING SIGN	1 EA
24	ADJUST TO GRADE EXISTING UTILITY VAULT	3 EA
25	CONSTRUCT FULL DEPTH AC PAVEMENT (12" THICK MIN.)	747 SF
26	RELOCATE EXISTING TRAFFIC SIGNAL PULLBOX	1 EA
27	RELOCATE EXISTING TRAFFIC REFLECTOR SIGN	1 EA
28	CONSTRUCT 8" CURB TYPE II PER CITY OF RIVERSIDE STD. NO. 200	648 LF
29	RELOCATE EXISTING IRRIGATION CONTROL VALVE	LS
30	RELOCATE EXISTING CABLE BOX	1 EA
31	RELOCATE EXISTING FIRE HYDRANT	1 EA
32	REMOVE EXISTING REDWOOD HEADER	696 L.F.
33	RELOCATE EXISTING POWER POLE AND/OR GUY WIRE BY THE DEVELOPER AND CITY OF RIVERSIDE AT DEVELOPER'S EXPENSE. CONTACT RIVERSIDE PUBLIC UTILITIES (951-826-5489) 90 DAYS IN ADVANCE OF CONSTRUCTION FOR RELOCATION OF POWER FACILITIES.	1 EA
34	CONSTRUCT CURB TRANSITION (EXIST CF TO 8"CF)	12 LF
35	REMOVE/RELOCATE EXISTING LANDSCAPE AND IRRIGATION APPURTENANCES	LS
36	REMOVE EXISTING ADA RAMP	2 EA
37	CONSTRUCT PARKWAY DRAIN PER CITY OF RIVERSIDE STD. NO. 410, INLET TYPE 2, S= PER PLAN	3 EA
38	CONSTRUCT 12" WIDE CONCRETE DITCH PER DETAIL ON SHEET 1.	240 LF
39	CONSTRUCT 0.35' AC OVER 1.0' AB T1=9.0 (PIERCE ST) MATCH EXISTING SECTION	24800 S.F.



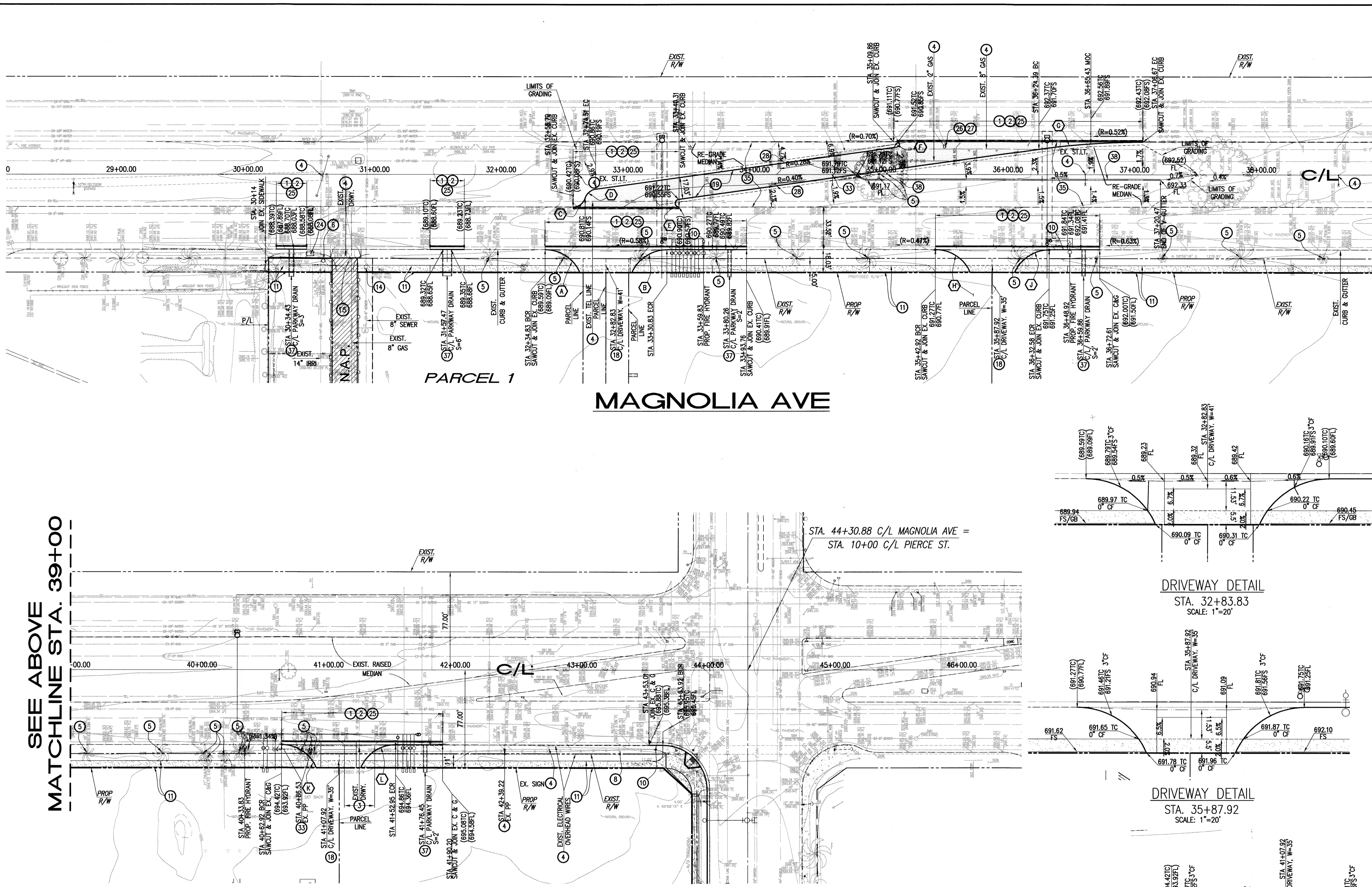
PROJECT ADDRESS:
SOUTHWEST CORNER OF
PIERCE STREET &
MAGNOLIA AVENUE
RIVERSIDE, CALIFORNIA

ASSESSOR'S PARCEL NUMBERS:
135-220-020, -030, 021, 023,
025, 027.

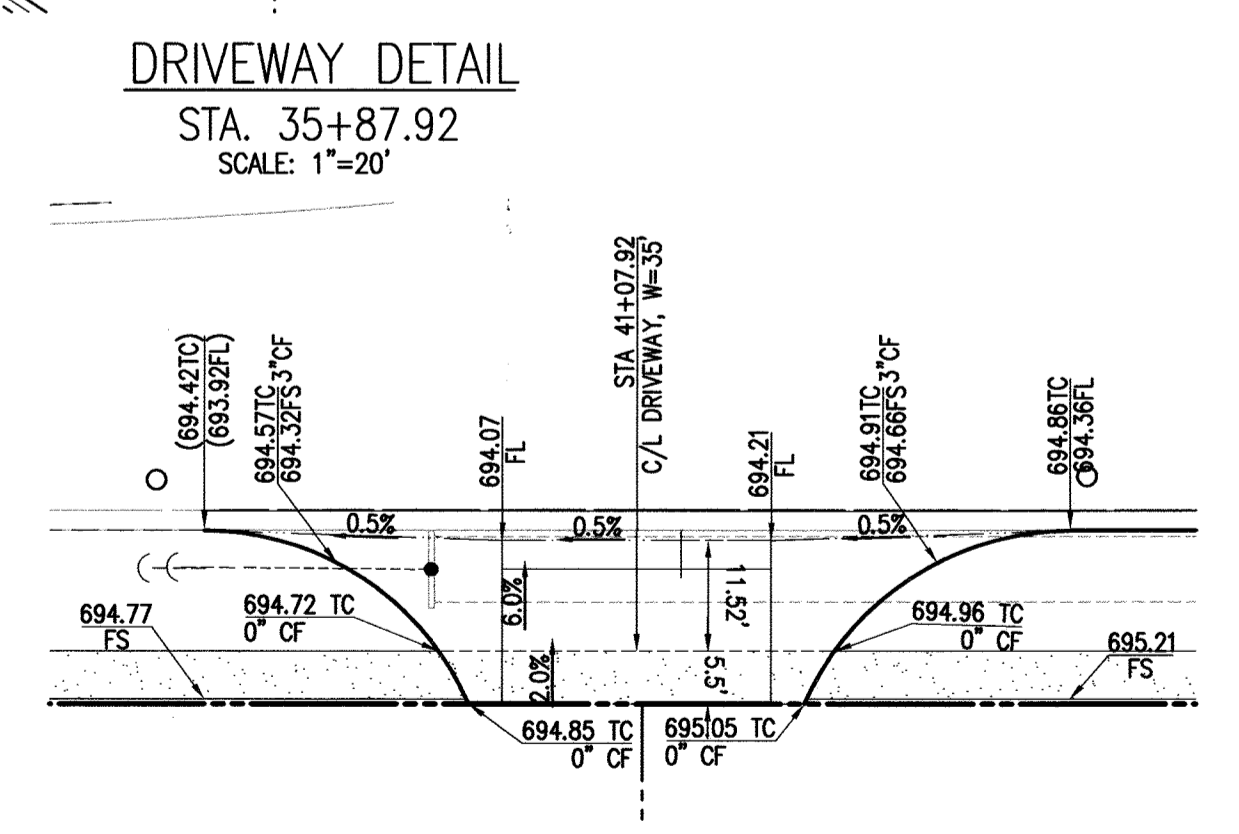
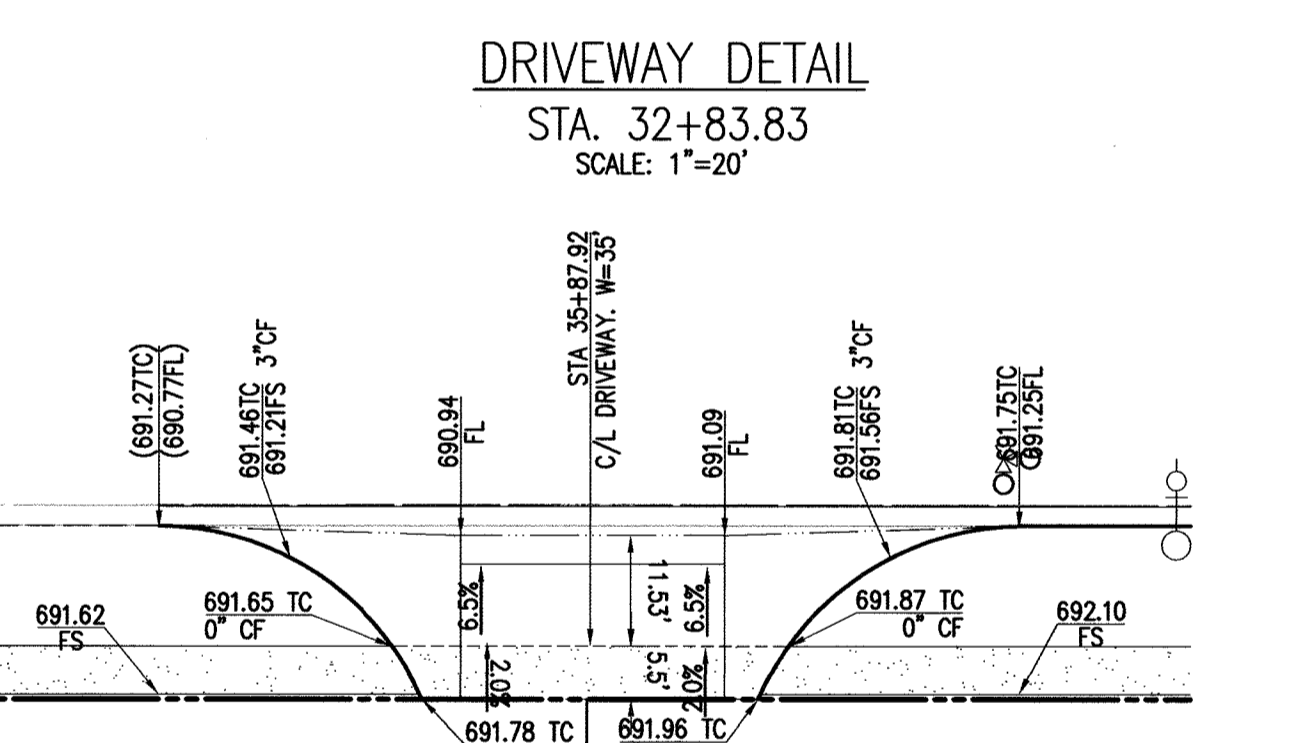
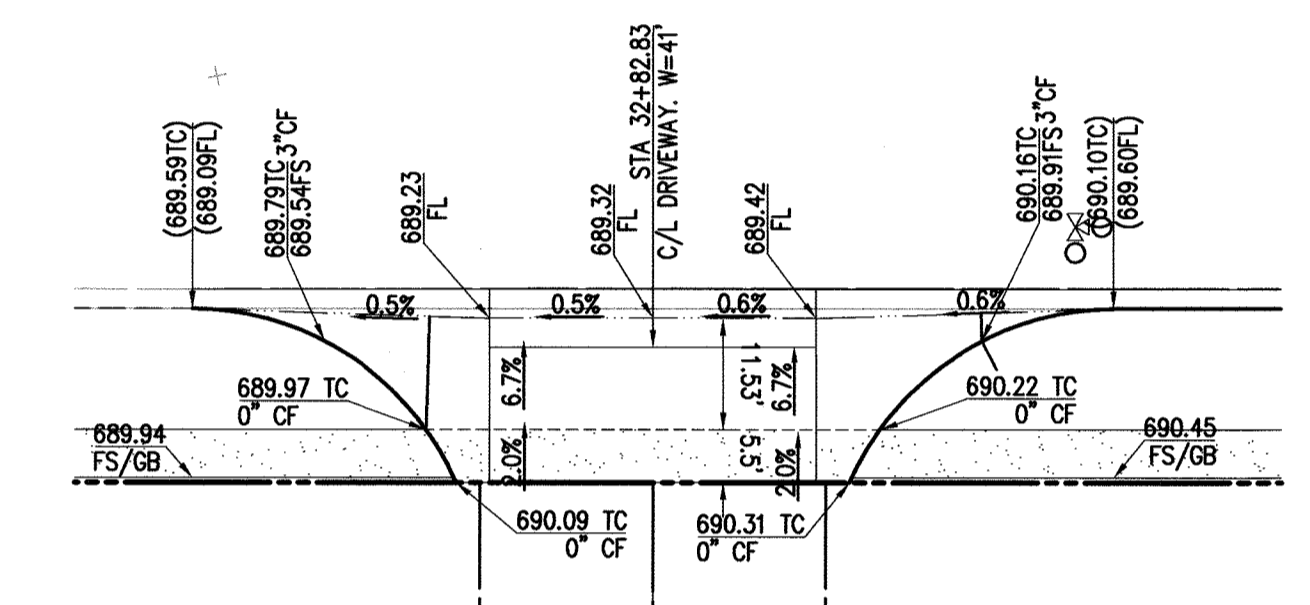
CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND	APPROVED BY: <i>[Signature]</i> DATE: 3/29/17	CITY OF RIVERSIDE WATER DEPARTMENT	APPROVED BY: <i>[Signature]</i> DATE: 3/29/17
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BUSINESS TAX CERTIFICATION # 041318 EXP. DATE 09-30-17

<p>IMPORTANT NOTICE</p> <p>SECTION 91541617 OF THE GOVERNMENT CODE REQUIRES A DISCLOSURE IDENTIFICATION NUMBER TO BE ISSUED BEFORE A "PERMIT TO DISBURSE" WILL BE WAIVED FOR YOUR DISCLOSURE IDENTIFICATION NUMBER. CALL (951) 826-5489 FOR MORE INFORMATION.</p> <p>TOLL FREE 1-800-227-2600</p> <p>TWO WORKING DAYS BEFORE YOU DIG</p>	<p>PRIVATE ENGINEERING NOTE</p> <p>CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS RESPONSIBILITY SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.</p>	<p>PROFESSIONAL ENGINEER</p> <p>Haidook I. Aghaian</p> <p>R.C.E. NO. 043293</p> <p>Exp. 3-31-18</p> <p>STATE OF CALIFORNIA</p>	<p>PREPARED UNDER THE DIRECTION OF:</p> <p><i>[Signature]</i> 3/27/17</p> <p>Haidook I. Aghaian</p> <p>R.C.E. 043293 - EXP. 3/31/18</p>	<p>APPROVED BY: RIVERSIDE PUBLIC UTILITIES - WATER</p>	<p>1" = 40'</p>	<p>CITY OF RIVERSIDE BENCHMARK NO. "E2-13"</p> <p>P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHWESTERLY CURB RETURN OF MAGNOLIA AVENUE AND PIERCE STREET.</p> <p>ELEV. = 694.500' (NGVD '29 / ADJUSTMENT YEAR: 1971)</p>	<p>DESIGNED BY: CMR DRAWN BY: JC CHECKED BY: HIA</p>	<p>CITY OF RIVERSIDE, CALIFORNIA DEPARTMENT OF PUBLIC WORKS</p> <p>APPROVED BY: <i>[Signature]</i> DATE: 4/25/17</p> <p>PRINCIPAL ENGINEER: <i>[Signature]</i></p> <p>ENGINEERING MANAGER: <i>[Signature]</i></p> <p>TRAFFIC DIVISION: <i>[Signature]</i> DATE: 4/24/17</p>	<p>DATE: 4/29/17</p>	<p>STREET IMPROVEMENT PLAN</p> <p>TITLE SHEET</p> <p>PM 34605</p>	<p>PROJECT NO. PW16-0098</p> <p>R-4370</p>
	<p>MARK REVISIONS APPR. DATE</p>										



- CONSTRUCTION NOTES:**
- * PAVEMENT SECTIONS ARE APPROXIMATE VALUES. SOIL ENGINEER SHALL DETERMINE THE FINAL PAVEMENT SECTIONS ACCORDING TO THE ACTUAL R-VALUE TEST RESULTS
 - ① SAWCUT AND REMOVE EXISTING CURB AND GUTTER
 - ② SAWCUT AND REMOVE EXISTING AC PAVEMENT
 - ③ REMOVE EXISTING DRIVEWAY
 - ④ PROTECT IN PLACE
 - ⑤ REMOVE EXISTING TREES
 - ⑥ REMOVE GATE VALVE AND CAP EXISTING 14" IRRIGATION LINE
 - ⑦ ADJUST TO GRADE EXISTING WATER VALVE.
 - ⑧ REMOVE CHAIN LINK FENCE
 - ⑨ REMOVE EXIST. AC BERM
 - ⑩ CONSTRUCT 6" CURB AND GUTTER TYPE I PER CITY OF RIVERSIDE STD. NO. 200
 - ⑪ CONSTRUCT 5" SIDEWALK PER CITY OF RIVERSIDE STD. NO. 325
 - ⑫ NOT USED
 - ⑬ NOT USED
 - ⑭ ADJUST TO GRADE SEWER MANHOLE
 - ⑮ ADJUST TO GRADE EXIST. GAS VALVE
 - ⑯ RELOCATE EXIST. TRAFFIC SIGNAL PER SEPARATE PLANS (X-746)
 - ⑰ ADJUST TO GRADE EXISTING TRAFFIC PULL BOX PER SEPARATE PLANS (X-746)
 - ⑱ CONSTRUCT DRIVEWAY APPROACH PER CITY OF RIVERSIDE STD. NO. 302, W= PER PLAN
 - * ⑲ CONSTRUCT 0.35' AC OVER 1.37' AB TI=10.0 (MAGNOLIA AVE) MATCH EXISTING SECTION
 - ⑳ CONSTRUCT WHEEL CHAIR RAMP TYPE I PER CITY OF RIVERSIDE STD. NO. 304
 - ㉑ REMOVE/RELOCATE EXISTING TELEPHONE POLE
 - ㉒ COLDPLANE AND CONSTRUCT AC OVERLAY (1-1/2" MIN.) MATCH EXISTING
 - ㉓ REMOVE EXISTING SIGN
 - ㉔ ADJUST TO GRADE EXISTING UTILITY VAULT
 - ㉕ CONSTRUCT FULL DEPTH AC PAVEMENT (12" THICK MIN.)
 - ㉖ RELOCATE EXISTING TRAFFIC SIGNAL PULLBOX
 - ㉗ RELOCATE EXISTING TRAFFIC REFLECTOR SIGN
 - ㉘ CONSTRUCT 8" CURB TYPE II PER CITY OF RIVERSIDE STD. NO. 200
 - ㉙ RELOCATE EXISTING IRRIGATION CONTROL VALVE
 - ㉚ RELOCATE EXISTING CABLE BOX
 - ㉛ RELOCATE EXISTING FIRE HYDRANT
 - ㉜ REMOVE EXISTING REDWOOD HEADER
 - ㉝ RELOCATE EXISTING POWER POLE AND/OR GUY WIRE BY THE DEVELOPER AND CITY OF RIVERSIDE AT DEVELOPER'S EXPENSE. CONTACT RIVERSIDE PUBLIC UTILITIES (951-826-5489) 90 DAYS IN ADVANCE OF CONSTRUCTION FOR RELOCATION OF POWER FACILITIES.
 - ㉞ CONSTRUCT CURB TRANSITION (EXIST CF TO 8"CF)
 - ㉟ REMOVE/RELOCATE EXISTING LANDSCAPE AND IRRIGATION APPURTENANCES
 - ㊱ REMOVE EXISTING ADA RAMP
 - ㊲ CONSTRUCT PARKWAY DRAIN PER CITY OF RIVERSIDE STD. NO. 410, INLET TYPE 2, S= PER PLAN
 - ㊳ CONSTRUCT 12" WIDE CONCRETE DITCH PER DETAIL ON SHEET 1.
 - * ㊴ CONSTRUCT 0.35' AC OVER 1.0' AB TI=9.0 (PIERCE ST) MATCH EXISTING SECTION



CURVE TABLE

Q	DELTA	R	T	L
A	66°28'58"	30.00'	19.66'	34.81'
B	66°29'02"	30.00'	19.66'	34.81'
C	72°52'03"	10.00'	7.38'	12.72'
D	64°49'30"	10.00'	6.35'	11.31'
E	17°04'50"	3.00'	43.34'	9.01'
F	17°02'04"	2.00'	28.84'	6.01'
G	07°52'58"	600.00'	41.34'	82.55'
H	66°29'03"	30.00'	19.66'	34.81'
J	66°29'04"	30.00'	19.66'	34.81'
L	66°29'12"	30.00'	19.66'	34.81'
K	66°30'49"	30.00'	19.67'	34.83'

SEE ABOVE
MATCHLINE STA. 39+00

MATCHLINE STA. 39+00
SEE BELOW



Underground Service Alert
Call: TOLL FREE 1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG

UTILITY NOTES:
ALL UTILITIES SHALL BE SATISFACTORILY RELOCATED, PROTECTED AND/OR REPLACED TO THE SPECIFICATIONS OF THE AFFECTED DEPARTMENTS AND AGENCIES, AND EASEMENTS FOR SUCH FACILITIES RETAINED AS NECESSARY.

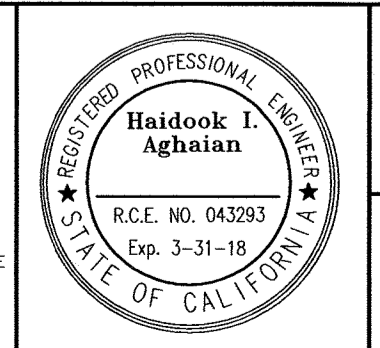
POWER UTILITY FACILITIES SHALL BE RELOCATED BY THE DEVELOPER AND CITY OF RIVERSIDE AT DEVELOPER'S EXPENSE. CONTACT RIVERSIDE PUBLIC UTILITIES (951-826-5489) 90 DAYS IN ADVANCE OF CONSTRUCTION FOR RELOCATION OF POWER FACILITIES.

CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT - ELECTRIC OVERHEAD & UNDERGROUND
APPROVED BY: *Jim Upde* DATE: 3/22/17

CITY OF RIVERSIDE WATER DEPARTMENT
APPROVED BY: *Choi Spoon* DATE: 3/29/17

IMPORTANT NOTICE:
SECTION 4216(A)(7) OF THE GOVERNMENT CODE REQUIRES A BIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "TENDR TO EXAMINE" WILL BE VALID FOR YOUR USE. ALERT ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
Haidook Aghayan 3/27/17
Haidook I. AGHAYAN DATE
R.C.E. 043293 - EXP. 3/31/18

APPROVED BY: RIVERSIDE - PUBLIC UTILITIES - WATER

BUSINESS TAX CERTIFICATION # 041318 EXP. DATE 09-30-17

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90639
PH: (714) 521-4811 FAX: (714) 521-4173

CITY OF RIVERSIDE BENCHMARK NO. "E2-13"
P.K. NAIL AND CITY ENGINEER TAG IN THE NORTHWESTERLY CURB RETURN OF MAGNOLIA AVENUE AND PIERCE STREET.
ELEV. = 694.500' (NGVD '29 / ADJUSTMENT YEAR: 1971)

1" = 40'
DATE

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: CMR DRAWN BY: JC CHECKED BY: HIA

CITY OF RIVERSIDE, CALIFORNIA
DEPARTMENT OF PUBLIC WORKS

PRINCIPAL ENGINEER: *SL*
ENGINEERING MANAGER: *SL*
TRAFFIC DIVISION: *H* 4-24-17

DATE: 4/27/17

STREET IMPROVEMENT PLAN
MAGNOLIA AVENUE
PM 34605
STA. 30+14.00 TO 43+63.92

PROJECT NO. PW16-0098
R-4370

HORIZ. SCALE: 1"=40' VERT. SCALE: 1"=20'

SHEET 2 OF 3

700 C/L

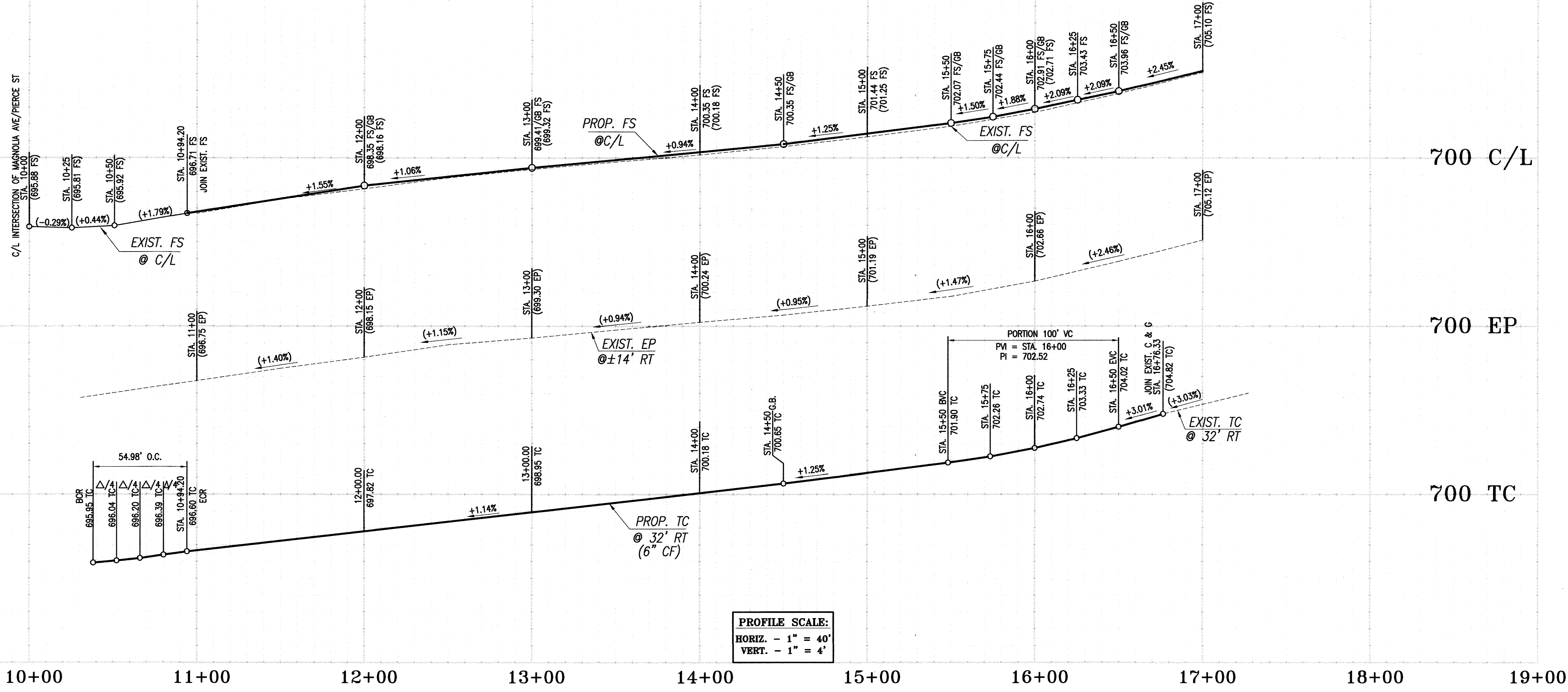
700 EP

700 TC

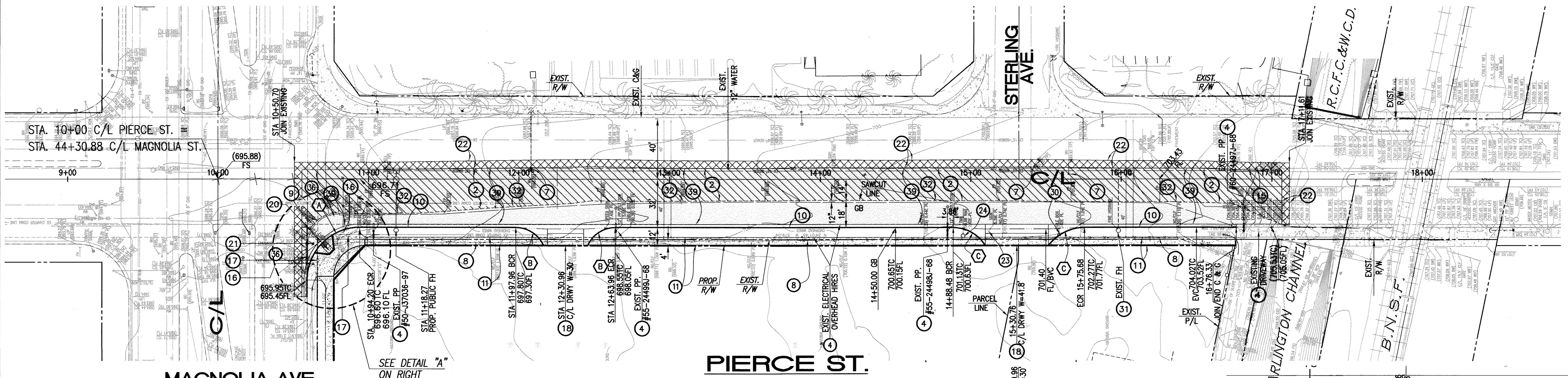
700 C/L

700 EP

700 TC



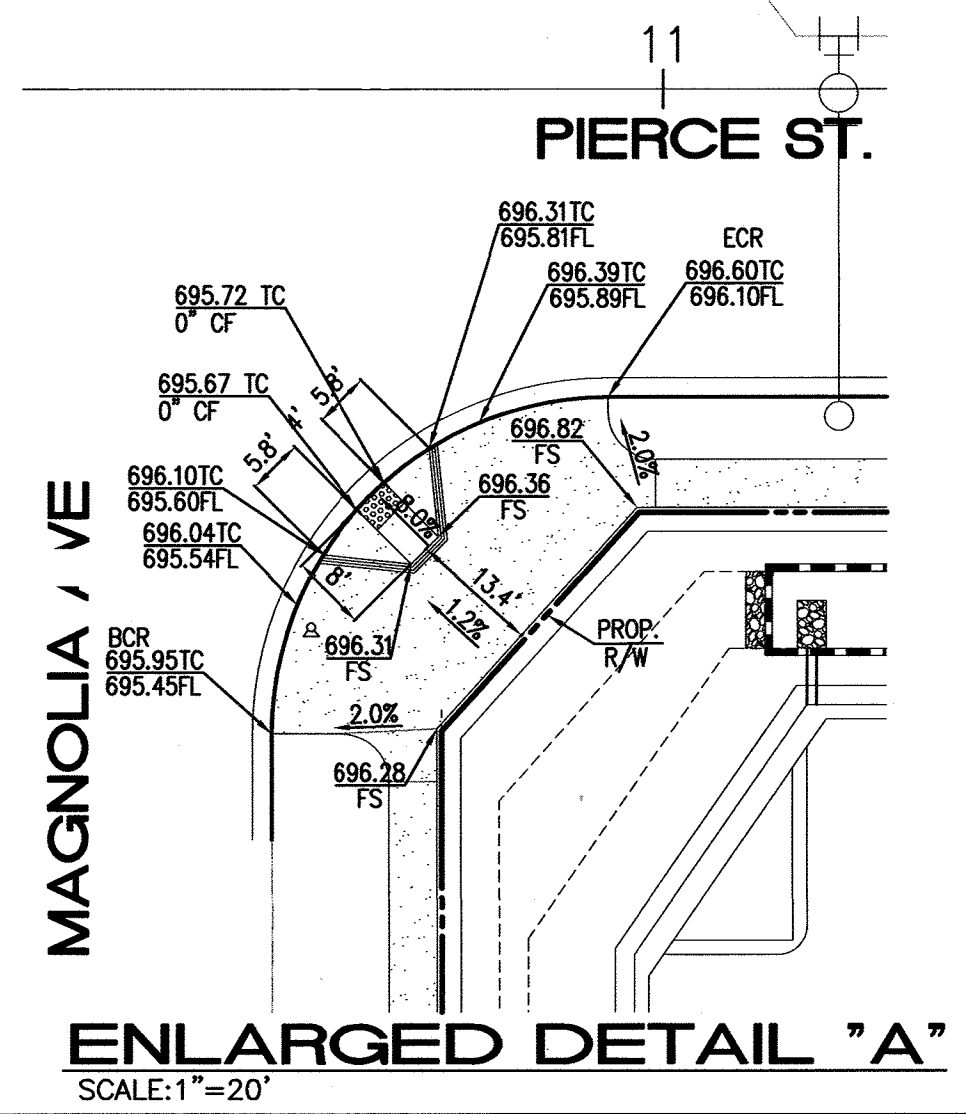
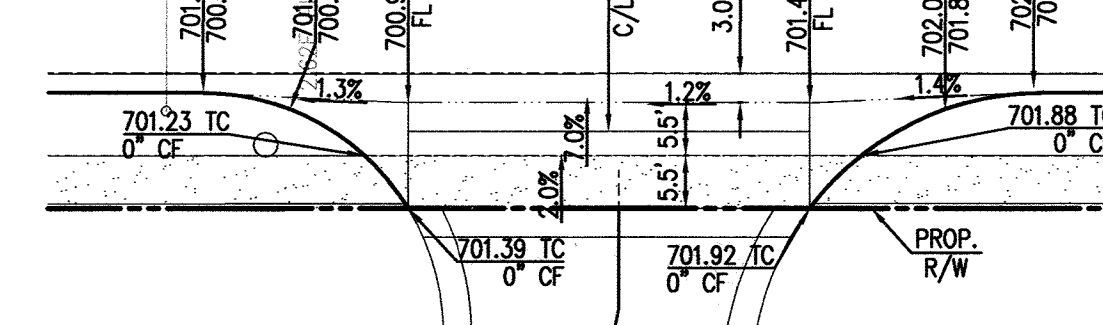
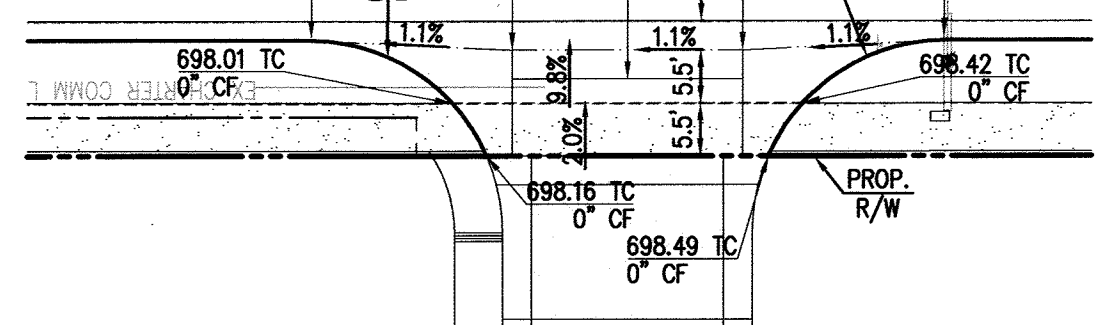
- CONSTRUCTION NOTES:**
 *PAVEMENT SECTIONS ARE APPROXIMATE VALUES. SOIL ENGINEER SHALL DETERMINE THE FINAL PAVEMENT SECTIONS ACCORDING TO THE ACTUAL R-VALUE TEST RESULTS
- SAWCUT AND REMOVE EXISTING CURB AND GUTTER
 - SAWCUT AND REMOVE EXISTING AC PAVEMENT
 - REMOVE EXISTING DRIVEWAY
 - PROTECT IN PLACE
 - REMOVE EXISTING TREES
 - REMOVE GATE VALVE AND CAP EXISTING 14" IRRIGATION LINE
 - ADJUST TO GRADE EXISTING WATER VALVE
 - REMOVE CHAIN LINK FENCE
 - REMOVE EXIST. AC BERM
 - CONSTRUCT 6" CURB AND GUTTER TYPE I PER CITY OF RIVERSIDE STD. NO. 200
 - CONSTRUCT 5' SIDEWALK PER CITY OF RIVERSIDE STD. NO. 325
 - NOT USED
 - NOT USED
 - ADJUST TO GRADE SEWER MANHOLE
 - ADJUST TO GRADE EXIST. GAS VALVE
 - RELOCATE EXIST. TRAFFIC SIGNAL PER SEPARATE PLANS (X-746)
 - ADJUST TO GRADE EXISTING TRAFFIC PULL BOX PER SEPARATE PLANS (X-746)
 - CONSTRUCT DRIVEWAY APPROACH PER CITY OF RIVERSIDE STD. NO. 302, W= PER PLAN
 - CONSTRUCT 0.35' AC OVER 1.37' AB T=10.0 (MAGNOLIA AVE) MATCH EXISTING SECTION
 - CONSTRUCT WHEEL CHAIR RAMP TYPE I PER CITY OF RIVERSIDE STD. NO. 304
 - REMOVE/RELOCATE EXISTING TELEPHONE POLE
 - COLDPLANE AND CONSTRUCT AC OVERLAY (1-1/2" MIN.) MATCH EXISTING
 - REMOVE EXISTING SIGN
 - ADJUST TO GRADE EXISTING UTILITY VAULT
 - CONSTRUCT FULL DEPTH AC PAVEMENT (12" THICK MIN.)
 - RELOCATE EXISTING TRAFFIC SIGNAL BOX
 - RELOCATE EXISTING TRAFFIC REFLECTOR SIGN
 - CONSTRUCT 8" CURB TYPE II PER CITY OF RIVERSIDE STD. NO. 200
 - RELOCATE EXISTING IRRIGATION CONTROL VALVE
 - RELOCATE EXISTING CABLE BOX
 - RELOCATE EXISTING FIRE HYDRANT
 - REMOVE EXISTING REDWOOD HEADER
 - RELOCATE EXISTING POWER POLE AND/OR GUY WIRE BY THE DEVELOPER AND CITY OF RIVERSIDE AT DEVELOPER'S EXPENSE. CONTACT RIVERSIDE PUBLIC UTILITIES (951-826-5489) 90 DAYS IN ADVANCE OF CONSTRUCTION FOR RELOCATION OF POWER FACILITIES.
 - CONSTRUCT CURB TRANSITION (EXIST CF TO 8"CF)
 - REMOVE/RELOCATE EXISTING LANDSCAPE AND IRRIGATION APPURTENANCES
 - REMOVE EXISTING ADA RAMP
 - CONSTRUCT PARKWAY DRAIN PER CITY OF RIVERSIDE STD. NO. 410, INLET TYPE 2, S= PER PLAN
 - CONSTRUCT 12" WIDE CONCRETE DITCH PER DETAIL ON SHEET 1.
 - CONSTRUCT 0.35' AC OVER 1.0' AB T=9.0 (PIERCE ST) MATCH EXISTING SECTION



CURVE DATA

DELTA	RADIUS	TANGENT	LENGTH
A 89°58'57"	35.00'	35.00'	54.98'
B 66°25'19"	20.00'	13.09'	23.19'
C 53°07'49"	20.00'	15.60'	27.82'

UTILITY NOTES:
 ALL UTILITIES SHALL BE SATISFACTORILY RELOCATED, PROTECTED AND/OR REPLACED TO THE SPECIFICATIONS OF THE AFFECTED DEPARTMENTS AND AGENCIES, AND EASEMENTS FOR SUCH FACILITIES RETAINED AS NECESSARY.
 POWER UTILITY FACILITIES SHALL BE RELOCATED BY THE DEVELOPER AND CITY OF RIVERSIDE AT DEVELOPER'S EXPENSE. CONTACT RIVERSIDE PUBLIC UTILITIES (951-826-5489) 90 DAYS IN ADVANCE OF CONSTRUCTION FOR RELOCATION OF POWER FACILITIES.

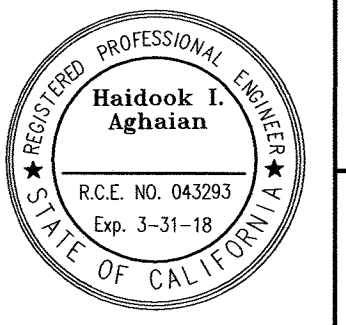


TWO WORKING DAYS BEFORE YOU DIG
 CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT-ELECTRIC OVERHEAD & UNDERGROUND
 APPROVED BY: *[Signature]* DATE: 3/29/17

CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT
 APPROVED BY: *[Signature]* DATE: 3/29/17

IMPORTANT NOTICE:
 SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A BIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A 'PERMIT TO EXCAVATE' WILL BE VALID FOR YOUR BIG ALERT ID NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE 1-800-227-2600 TWO WORKING DAYS BEFORE YOU DIG

PRIVATE ENGINEERING NOTE
 CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.



PREPARED UNDER THE DIRECTION OF:
[Signature] 3/27/17
 HADOOK I. AGUIAIN DATE
 R.C.E. 043293 - EXP. 3/31/18
 APPROVED BY: RIVERSIDE-PUBLIC-UTILITIES - WATER

Thienes Engineering, Inc.
 CIVIL ENGINEERING - LAND SURVEYING
 74349 FIRESTONE COLUMBIAN BLVD
 LA MIRADA, CALIFORNIA 90638
 PH. (714) 521-4811 FAX (714) 521-4173
 CITY OF RIVERSIDE BENCHMARK NO. "E2-13"
 P.K. NAIL AND CITY ENGINEER TAG IN THE NORTH-WESTERLY CURB RETURN OF MAGNOLIA AVENUE AND PIERCE STREET.
 ELEV. = 694.500' (NGVD '29 / ADJUSTMENT YEAR: 1971)

MARK	REVISIONS	APPR. DATE

CITY OF RIVERSIDE, CALIFORNIA
 DEPARTMENT OF PUBLIC WORKS
 APPROVED BY: *[Signature]* DATE: 4/27/17
 PRINCIPAL ENGINEER
 ENGINEERING MANAGER
 TRAFFIC DIVISION

STREET IMPROVEMENT PLAN
PIERCE STREET
PM 34605
STA. 10+50.70 TO STA. 17+11.61

PROJECT NO. PW16-0098
R-4370
 SHEET 3 OF 3