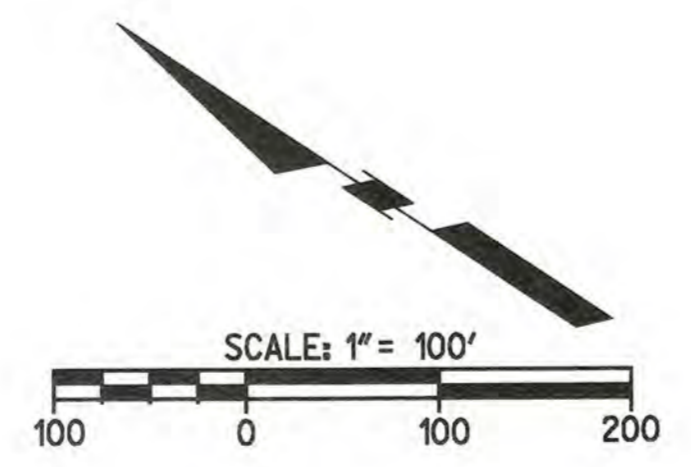
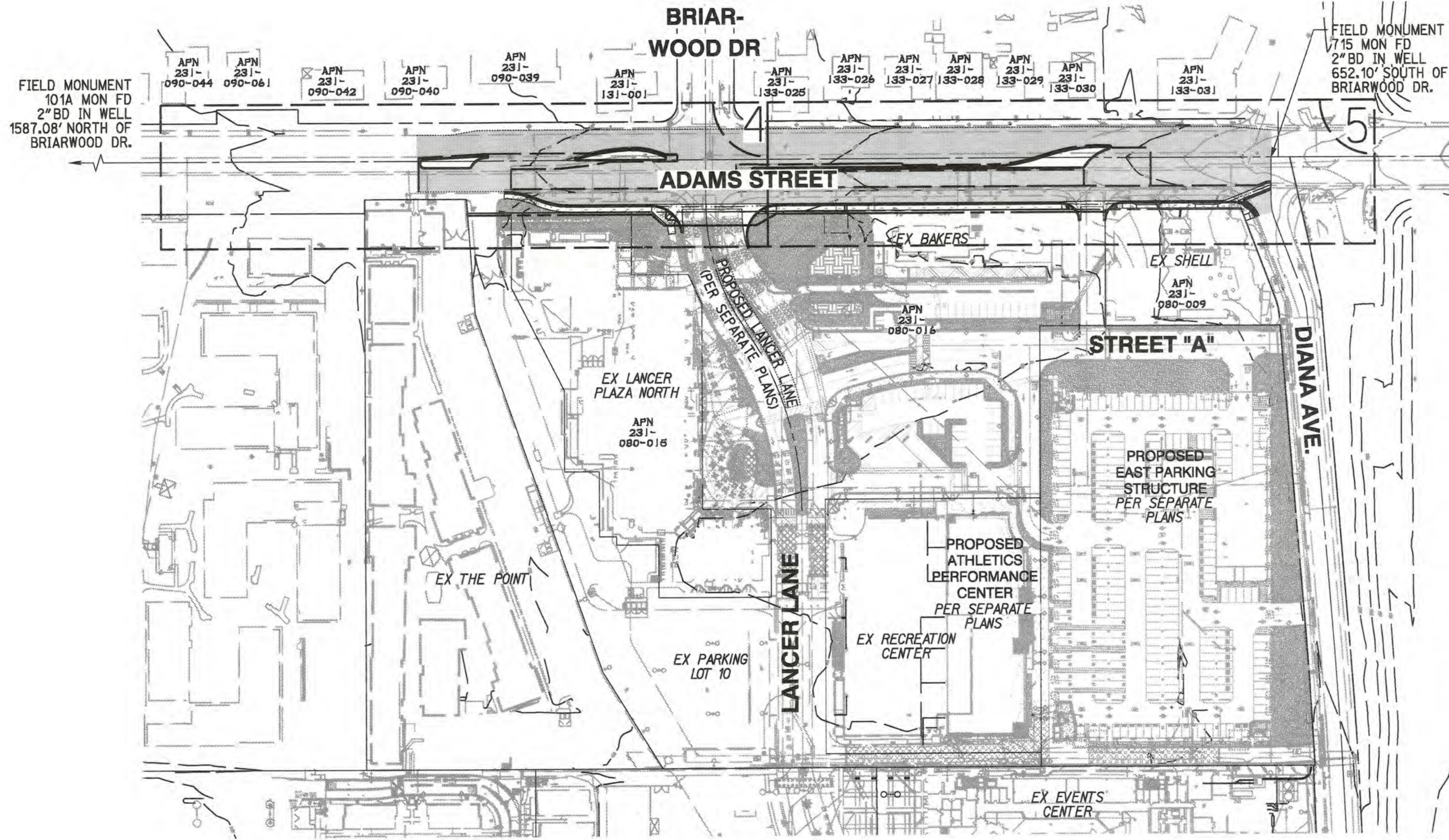
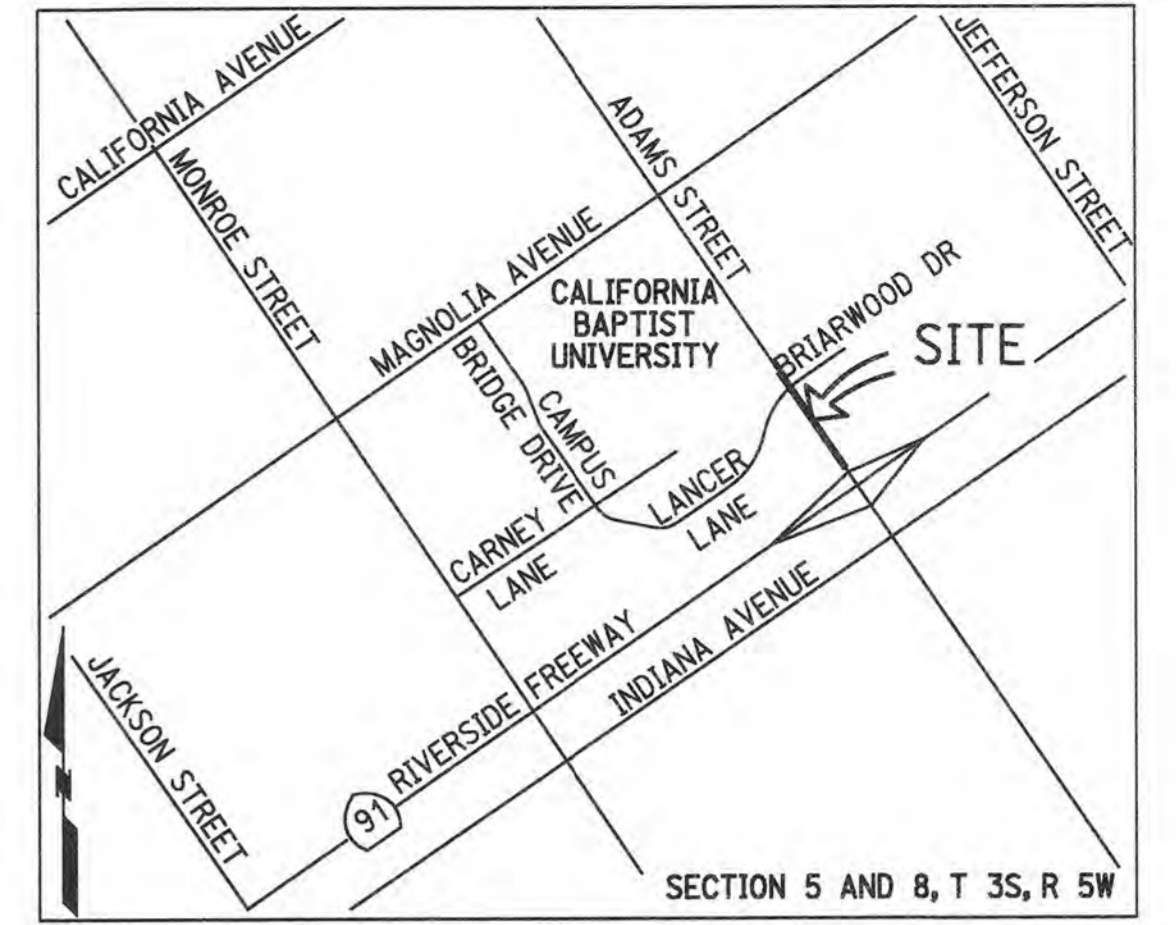


**GENERAL NOTES**

1. 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.
2. 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.
3. 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.
4. 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.
5. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND THE CITY OF RIVERSIDE IS NOT RESPONSIBLE FOR THEIR ACCURACY.
6. WHEN A PORTION OF THE WORK IS TO BE DONE BY THE CITY, THE DEVELOPER AND/OR CONTRACTOR SHALL GIVE THE CITY 60-DAYS NOTICE SO THAT THE DEVELOPER'S WORK AND THE CITY'S WORK CAN BE PROPERLY COORDINATED. THE DEVELOPER SHALL PREPARE AND COMPACT THE SUBGRADE TO ELEVATIONS WITHIN  $\pm 1'$  OF THE DESIGN ELEVATIONS AND SHALL BE RESPONSIBLE FOR THE CONDITION OF THE SUBGRADE UNTIL ACCEPTED BY THE CITY. THE DEVELOPER SHALL ALSO BE RESPONSIBLE FOR ANY BARRICADING DURING THIS TIME.
7. THE DEVELOPER AND/OR CONTRACTOR SHALL CONTACT THE PUBLIC WORKS DEPARTMENT 30 DAYS PRIOR TO BEGINNING CONSTRUCTION TO NEGOTIATE THE COST OF THE CITY'S PORTION OF THE WORK.
8. 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.
9. SEE "STREET LIGHTING PLANS" FOR QUANTITY AND LOCATION OF REQUIRED STREET LIGHTS.
10. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
11. 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.
12. 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.
13. THE SUBDIVIDER SHALL ARRANGE FOR A SOIL TEST TO BE MADE BY A SOILS ENGINEER AFTER THE STREETS HAVE BEEN PREPARED TO ROUGH GRADE AND PRIOR TO CURB AND GUTTER CONSTRUCTION. DEPTH OF BASE MATERIAL AND A.C. PAVING SHALL BE DETERMINED BY THE CITY OF RIVERSIDE DESIGN STANDARDS AND TEST PROCEDURES.
14. THE DEVELOPER IS RESPONSIBLE FOR PROVIDING ACCESS PAVING. SHOULD THE DEVELOPER AND/OR CONTRACTOR DECIDE TO INSTALL THE ACCESS PAVING PRIOR TO THE CITY COMMENCING ITS PAVING WORK, THE DEVELOPER SHALL COORDINATE HIS INSTALLATION OF ACCESS PAVING ON ADAMS STREET WITH THE CITY INSPECTOR. FINAL COURSE OF PAVING IN ACCESS AREA TO BE PAID FOR BY DEVELOPER PRIOR TO THE CITY COMMENCING ITS PAVING OPERATION. DEVELOPER SHALL INSTALL TYPE F-1 FLEXIBLE DELINEATORS AT 20' INTERVALS ON OUTGOING TAPERS.
15. 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.
16. ON ALL AREAS WITHIN PUBLIC RIGHT OF WAY WHERE THE FILL IS ONE (1) FOOT OR GREATER, A LETTER WILL BE REQUIRED FROM THE SOILS ENGINEER, CERTIFYING THE COMPACTION OF THE FILL BELOW SUBGRADE, PRIOR TO ISSUANCE OF THE CONSTRUCTION PERMIT/CUT SHEETS.
17. STREET OPENING PERMIT FOR CONSTRUCTION AND/OR MODIFICATION OF TRAFFIC SIGNAL FACILITIES IS REQUIRED.
18. ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
19. SEE TRAFFIC SIGNAL PLAN X-375B FOR TRAFFIC SIGNAL FACILITIES AND STRIPING.
20. 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.
21. STREET IMPROVEMENT WORK THAT WILL CAUSE DAMAGE TO THE DETECTOR (LOOPS) SHALL NOT BE PERFORMED UNTIL TRAFFIC SIGNAL MAINTENANCE PERSONNEL HAVE BEEN NOTIFIED AND THE NECESSARY TIMING ADJUSTMENTS ARE MADE TO MAINTAIN SIGNAL OPERATION.
22. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.
23. IN PAVEMENT OVERLAY AREAS, ANY DISTRESSED EXISTING PAVEMENT SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE INSPECTOR PRIOR TO OVERLAYING WITH AC PAVING.

IN THE CITY OF RIVERSIDE, CALIFORNIA  
**STREET IMPROVEMENT PLAN**  
 CBU-ADAMS STREET WIDENING  
 233' WEST OF BRIARWOOD DRIVE TO DIANA AVENUE



VICINITY MAP  
N.T.S.

**WORK TO BE DONE**  
 THESE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS, THE CURRENT CITY OF RIVERSIDE STANDARDS AND SPECIFICATIONS, THE CURRENT CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT WATER DIVISION STANDARDS AND SPECIFICATIONS, AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION ("GREEN BOOK").

**PRIVATE ENGINEER'S NOTE TO CONTRACTOR**

ALL CONTRACTORS 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 NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTOR'S AND SUBCONTRACTOR'S COMPLIANCE WITH SAID REGULATIONS AND ORDERS.

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB-SITE CONDITIONS DURING THE COURSE OF 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 OWNER AND CIVIL ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

THE EXISTENCE AND APPROXIMATE LOCATIONS OF ANY UNDERGROUND UTILITIES 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 LOCATIONS ARE NOT SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY AND IRRIGATION COMPANIES PRIOR TO WORK OR EXCAVATION TO DETERMINE THE EXACT LOCATIONS OF ALL LINES AFFECTING THIS WORK, WHETHER OR NOT SHOWN HERE ON, AND FOR ANY DAMAGE OR PROTECTION TO THESE LINES.

**OWNER/DEVELOPER**  
 CALIFORNIA BAPTIST UNIVERSITY  
 8432 MAGNOLIA AVENUE  
 RIVERSIDE, CA. 92504  
 ATTN: STEVE SMITH  
 (951) 343-4393

**CIVIL ENGINEER**  
 RICK ENGINEERING COMPANY  
 1770 IOWA AVENUE, SUITE 100  
 RIVERSIDE, CA 92507  
 ATTN: NATHAN C. SMITH  
 (951) 782-0707

**GEOTECHNICAL ENGINEER**  
 JOHN BYERLY INC.  
 2257 SOUTH LILAC AVENUE  
 BLOOMINGTON, CA 92316  
 ATTN: JOHN R. BYERLY, GE  
 (909) 877-1324

**NOTICE TO CONTRACTOR**

THE EXISTENCE AND LOCATIONS OF ALL UNDERGROUND UTILITIES (UTILITY PIPES, STRUCTURES, ETC.) SHOWN ON THESE PLANS (MAIN LINES ONLY - NO SERVICE LATERALS) WERE ASCERTAINED BY A REVIEW OF RECORDS PROVIDED BY THESE MEMBER AGENCIES AND ARE APPROXIMATE. NEITHER THE OWNER NOR THE ENGINEER ASSUMES ANY RESPONSIBILITY FOR UTILITIES NOT SHOWN OR NOT IN THE LOCATION SHOWN. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS. LOCATIONS OF UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION. CALL UNDERGROUND SERVICE ALERT (U.S.A.) 811 AT LEAST 2 WORKING DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

**ENGINEER'S NOTES**

PRIVATE ENGINEER WILL NOT BE PROVIDING INSPECTION SERVICES OR CONSTRUCTION REVIEW. THESE FUNCTIONS ARE THE RESPONSIBILITY OF THE CITY AND/OR THE GENERAL CONTRACTOR. ENGINEER ACCEPTS NO LIABILITY FOR SUCH FUNCTIONS OR WORK THEREOF.

**BASIS OF BEARING**

THE CENTERLINE OF ADAMS STREET PER MB 139/81-82, BEING N 33-59-30W. SHOWN HEREON AS N 33-36-15 W.

**REFERENCE DRAWINGS**

TRAFFIC SIGNAL MODIFICATION	X-375B
SIGNING AND STRIPING	XL-776
SEWER MAIN UPSIZING	S-2162
WATER APPURTENANCE RELOCATION	05-1816958

**SHEET INDEX**

TITLE SHEET	1
DETAIL SHEET	2
DEMOLITION PLAN	3
PLAN AND PROFILE	4-5

CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT ELECTRIC DIVISION	CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT WATER DIVISION
APPROVED BY: <i>[Signature]</i> DATE: 2/21/19	APPROVED BY: <i>[Signature]</i> DATE: 2/15/19

**811**  
 Know what's below.  
 Call before you dig.  
 Call at least 2 working days prior to excavating.



PREPARED UNDER THE DIRECTION OF  
 NATHAN CHARLES SMITH  
 REGISTERED CIVIL ENGINEER NO. 74754

**RICK ENGINEERING COMPANY**  
 1770 IOWA AVENUE - SUITE 100  
 RIVERSIDE, CA 92507  
 (951) 782-0707  
 (FAX) 951.782.0723

CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/31/19

MARK	BY	DATE	REVISIONS	APPR	DATE	
DESIGNED BY	ROG		DRAWN BY	ROG	CHECKED BY	NCS

**CITY OF RIVERSIDE, CALIFORNIA  
 PUBLIC WORKS DEPARTMENT**

APPROVED BY: *[Signature]* DATE: 2-28-19

**STREET IMPROVEMENT PLAN**  
 CALIFORNIA BAPTIST UNIVERSITY  
 ADAMS STREET WIDENING  
 233' WEST OF BRIARWOOD DRIVE  
 TO DIANA AVENUE

PW17-0423  
 R-4416  
 SHEET 1 OF 5

**CONSTRUCTION LEGEND**

PROPOSED AC PAVEMENT	
PROPOSED CURB AND GUTTER	
REMOVALS	
GRIND AND OVERLAY	

**ABBREVIATIONS**

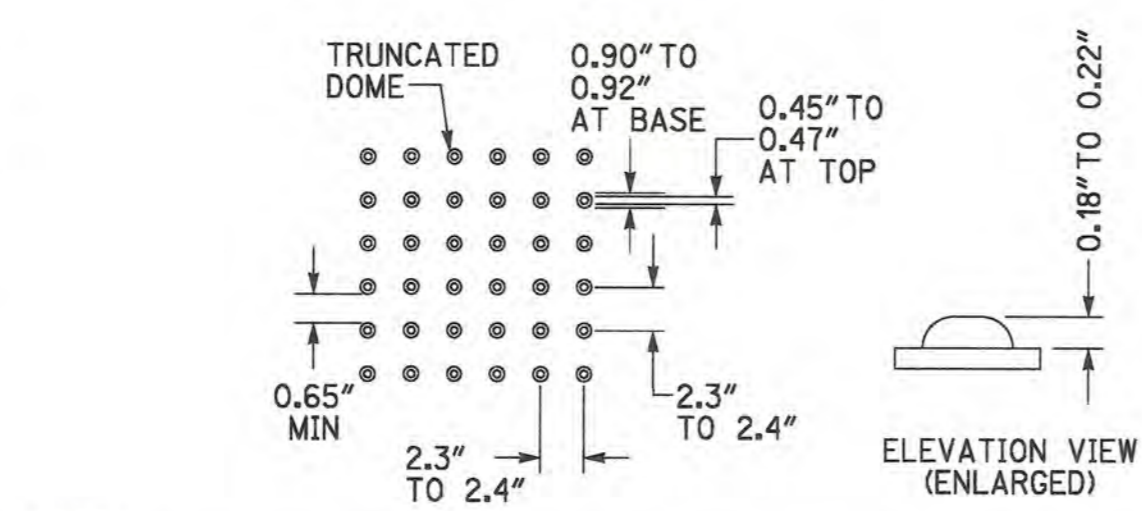
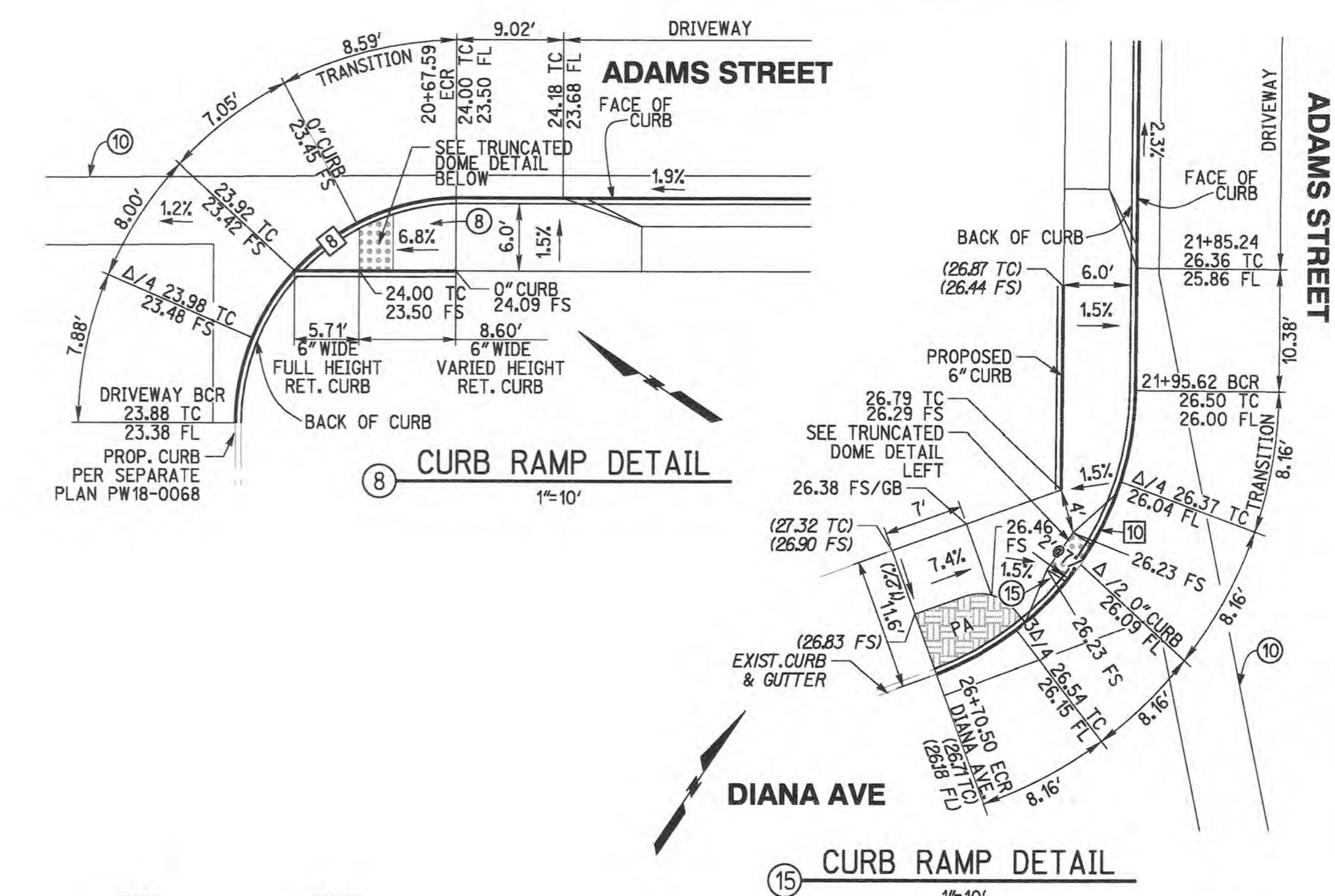
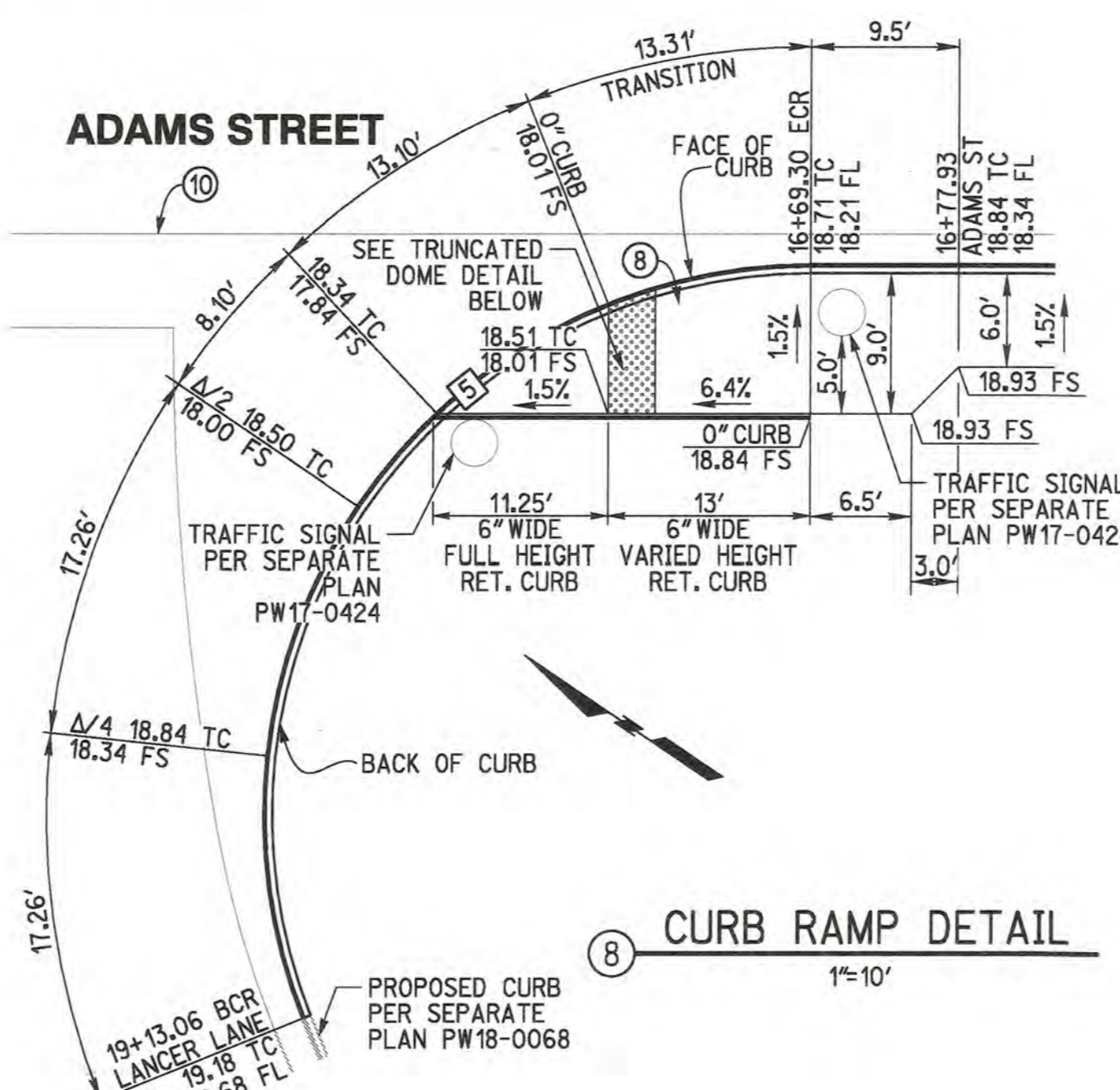
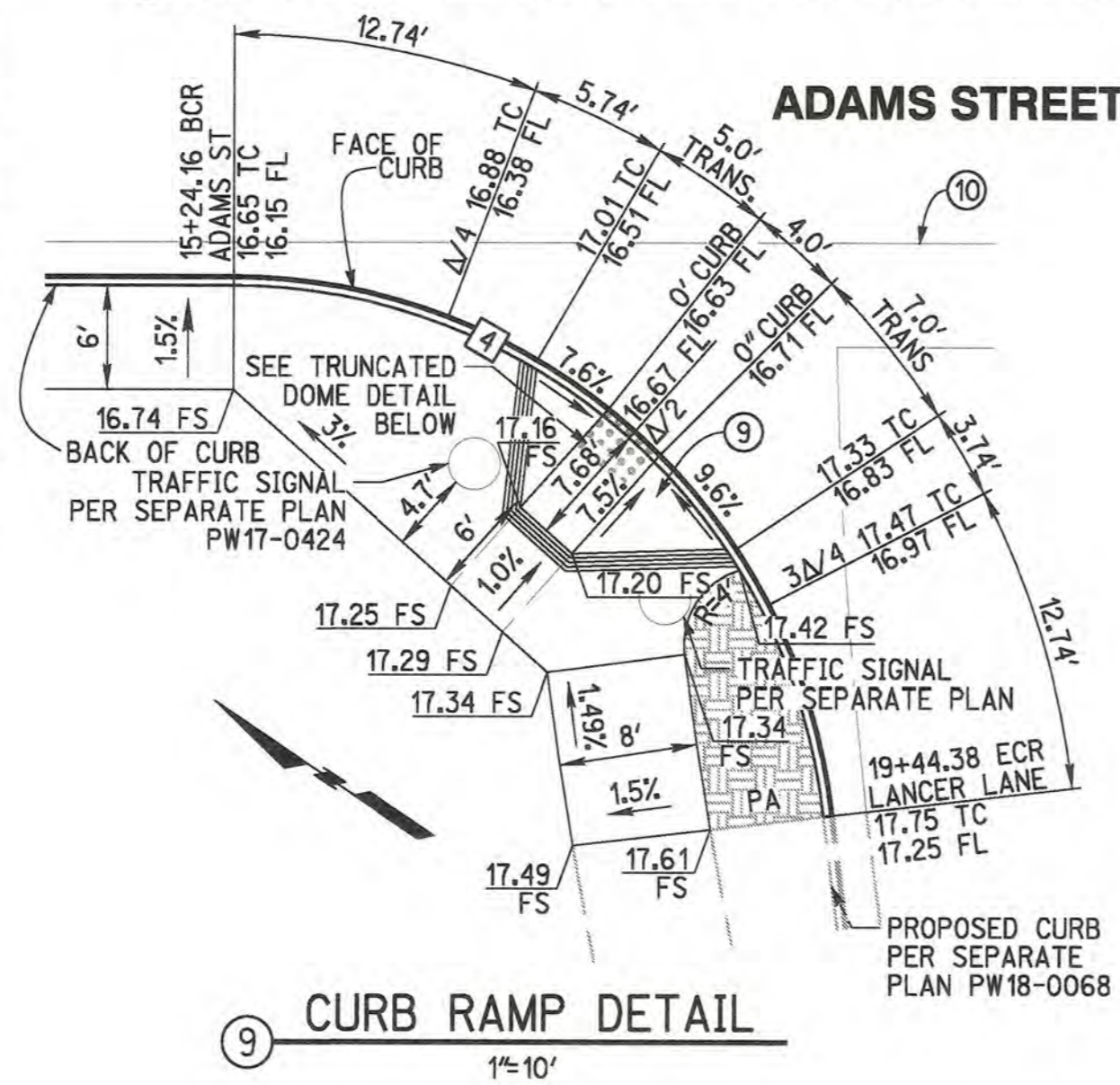
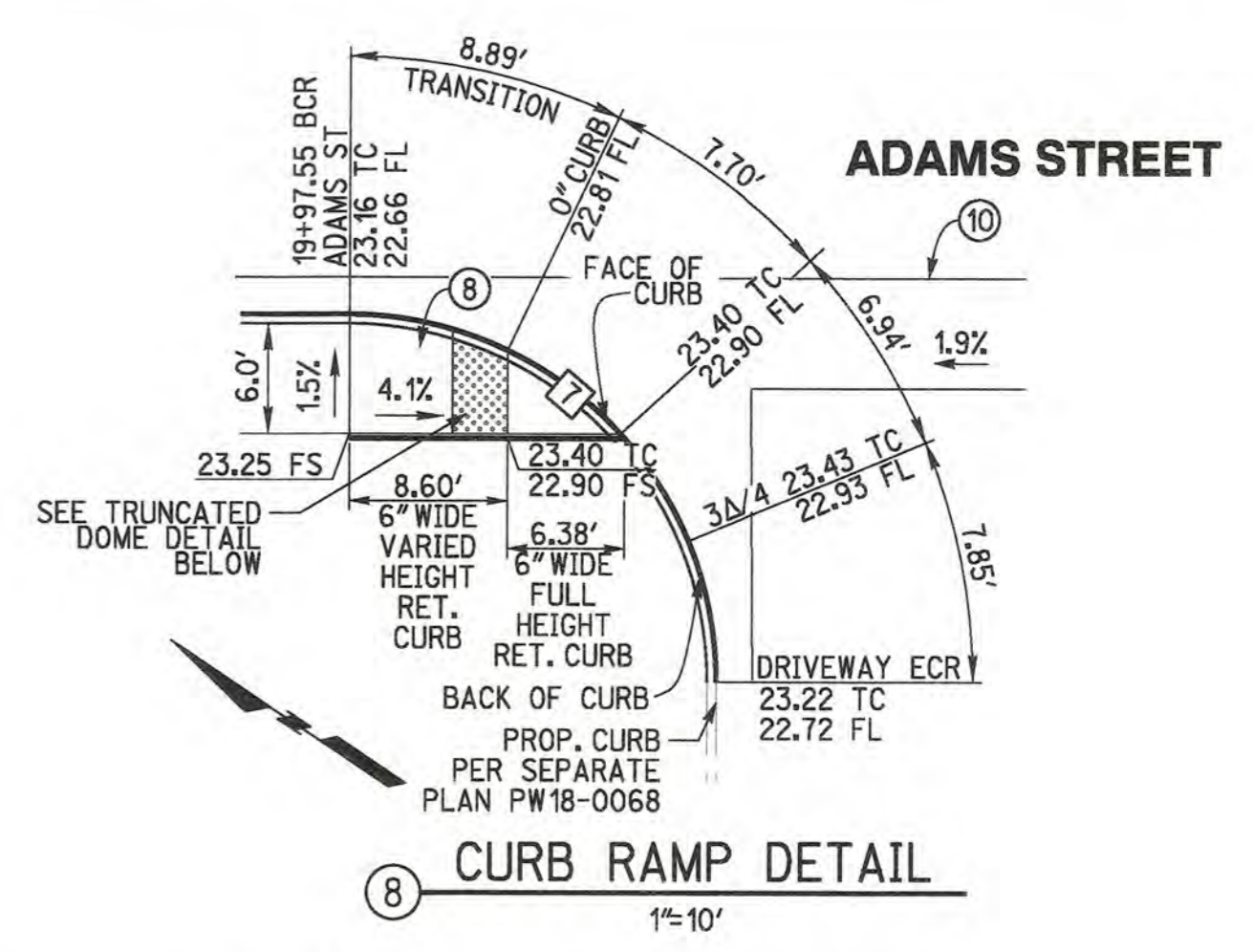
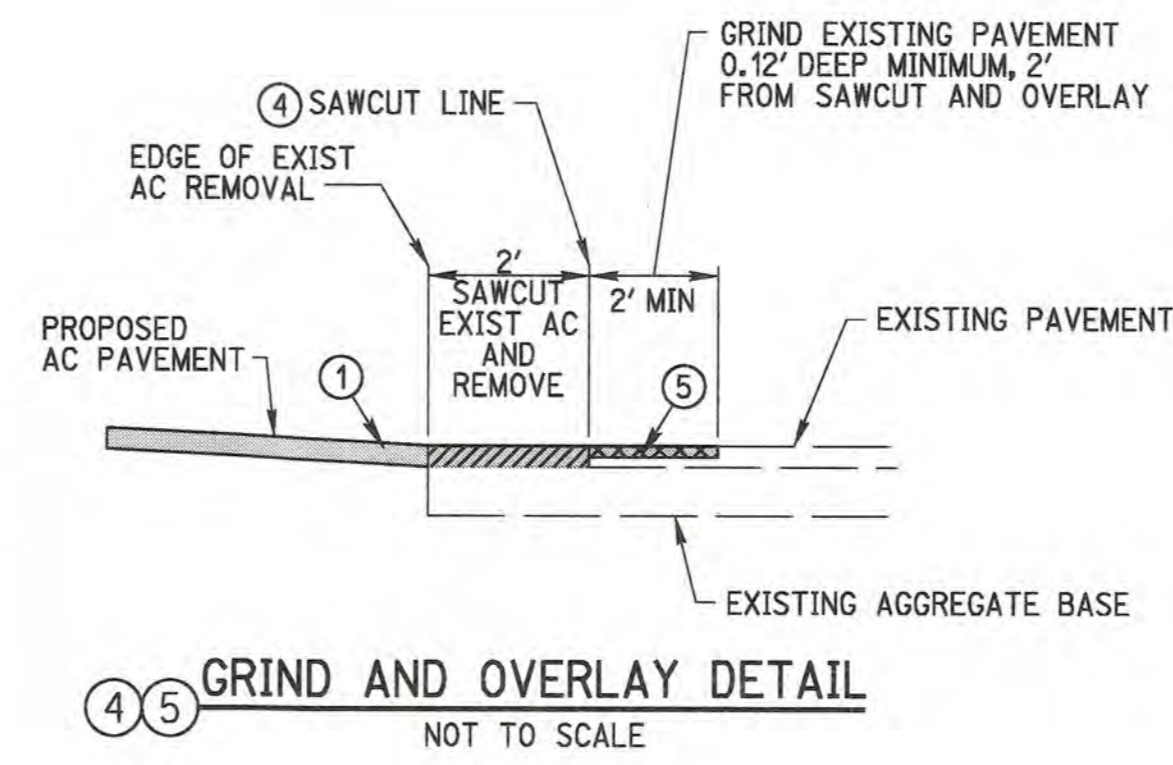
AGGREGATE BASE	AB
ASPHALT CONCRETE	AC
BEGIN CURB RETURN	BCR
BEGIN CURVE	BC
BEGIN VERTICAL CURVE	BVC
CLEANOUT	CO
CURB & GUTTER	C&G
EDGE OF PAVEMENT	EP
END CURB RETURN	ECR
END CURVE	EC
END VERTICAL CURVE	EVC
EXISTING	EXIST/EX
FINISHED GRADE ELEVATION	FG
FINISHED SURFACE ELEVATION	FS
FLOW LINE ELEVATION	FL
GRADE BREAK	GB
TOP OF CURB ELEVATION	TC
NOT TO SCALE	NTS
PROPOSED	PROP
RIGHT-OF-WAY	R/W
PLANTER AREA	PA
PAVEMENT	PVMT

**EXISTING TOPO LEGEND**

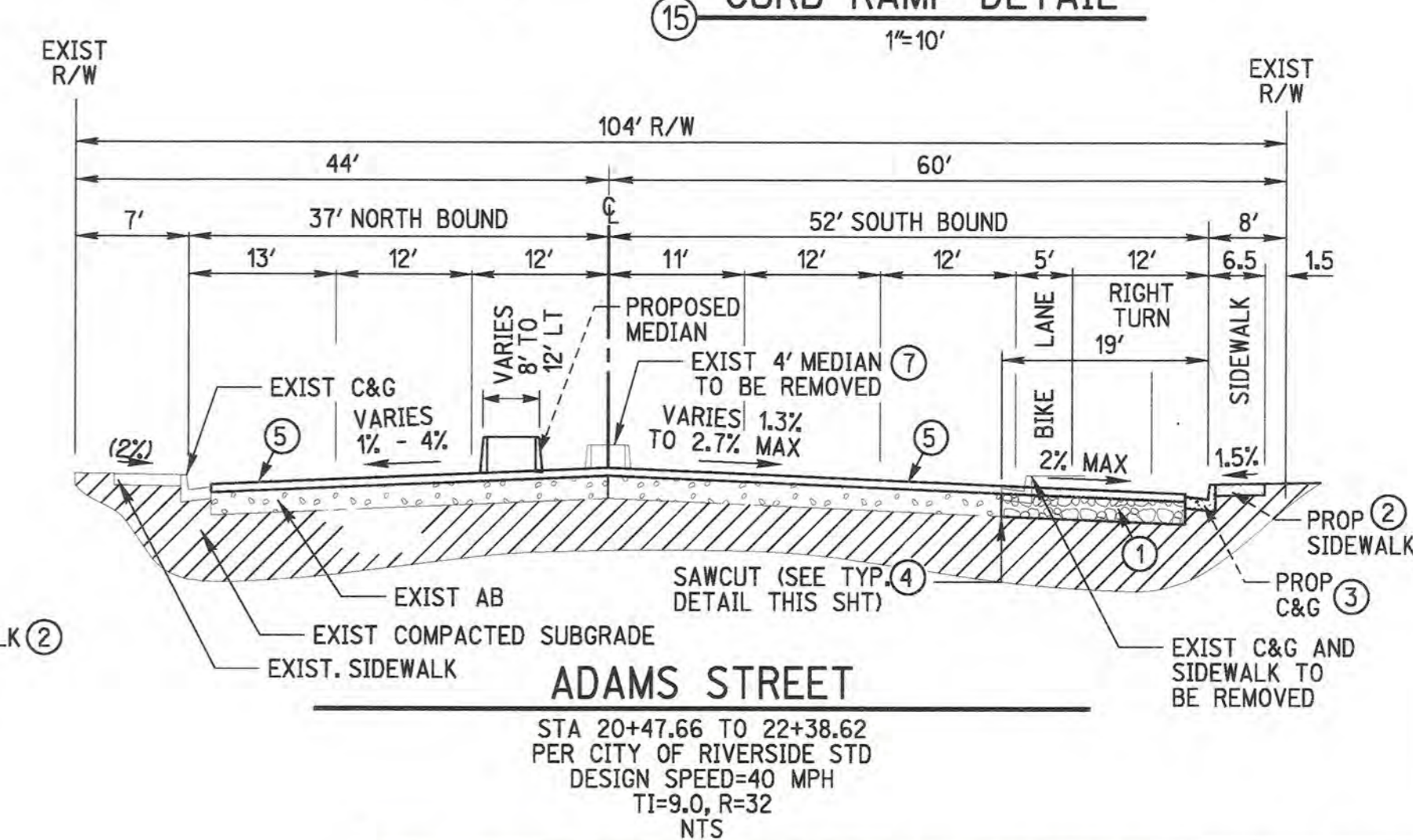
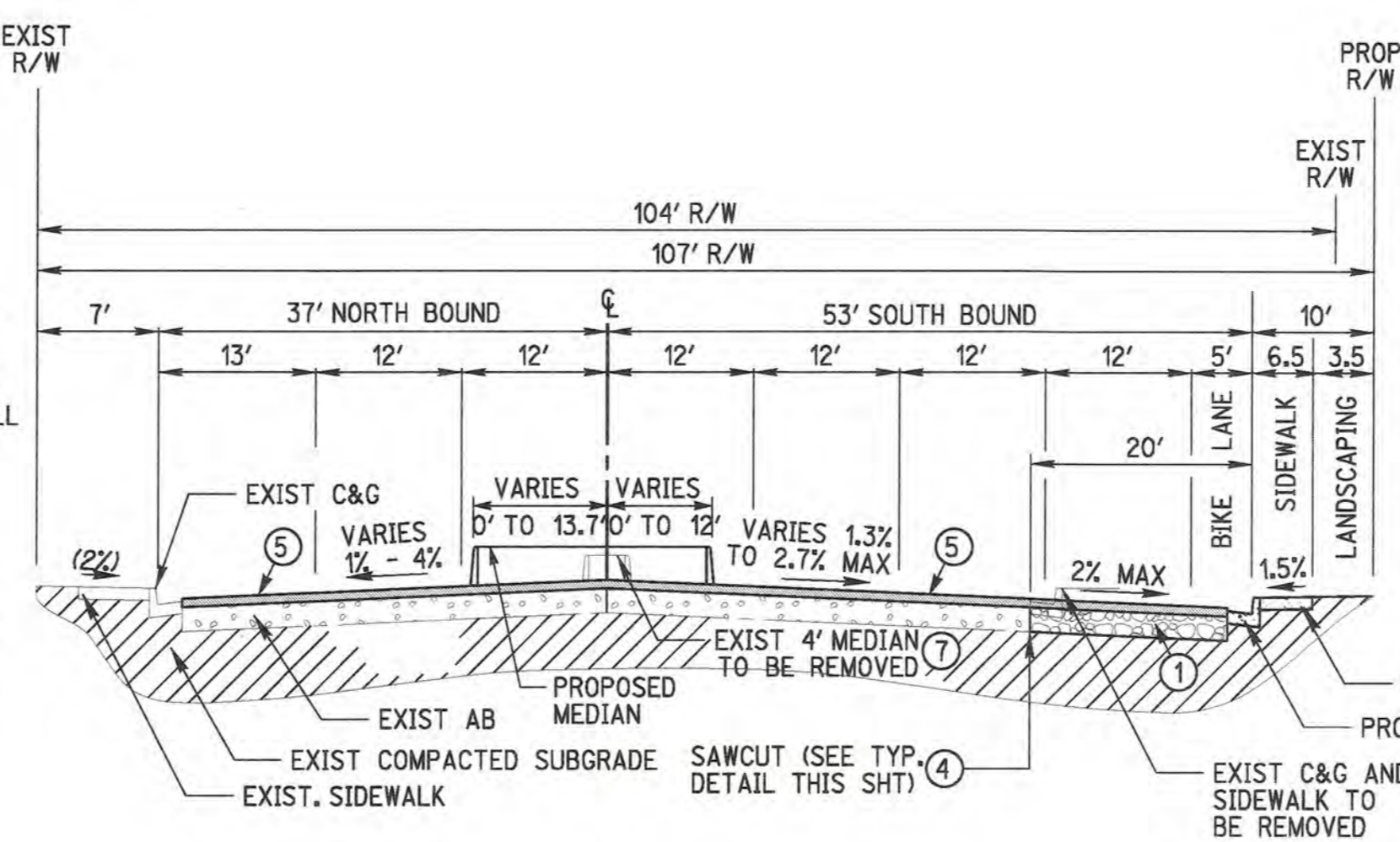
EXISTING FENCE	
DIRECTION OF FLOW	
EXISTING SANITARY SEWER MANHOLE	
EXISTING STORM DRAIN MANHOLE	
EXISTING TELEPHONE VAULT	
EXISTING WATER METER	
EXISTING FIRE HYDRANT	
EXISTING POLE AND GUY ANCHOR	
EXISTING POWER POLE	
EXISTING TELEPHONE POLE	
EXISTING JOINT USE POLE	
EXISTING TRAFFIC SIGNAL PULL BOX	
EXISTING TRAFFIC SIGN	
EXISTING STREET NAME SIGN	
EXISTING GAS METER	
EXISTING WALK-DON'T WALK PED SIGNAL	
PED PUSH BUTTON	
EXISTING TRAFFIC SIGNAL	
EXISTING TRAFFIC SIGNAL ON MAST ARM	
EXISTING TRAFFIC SIGNAL CONTROLLER	
EXISTING TRAFFIC SIGNAL PRESSURE DETECTOR	
EXISTING TRAFFIC SIGNAL LOOP DETECTOR	
EXISTING STREET LIGHT	
EXISTING ASPHALT	
EXISTING CONCRETE	
EXISTING BUILDING	
EXISTING PCC CURB	
EXISTING PCC CURB AND GUTTER	
EXISTING WALL	

**CONSTRUCTION NOTES AND QUANTITY ESTIMATES**

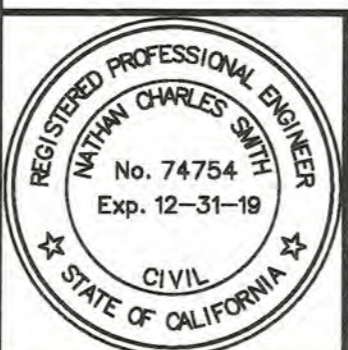
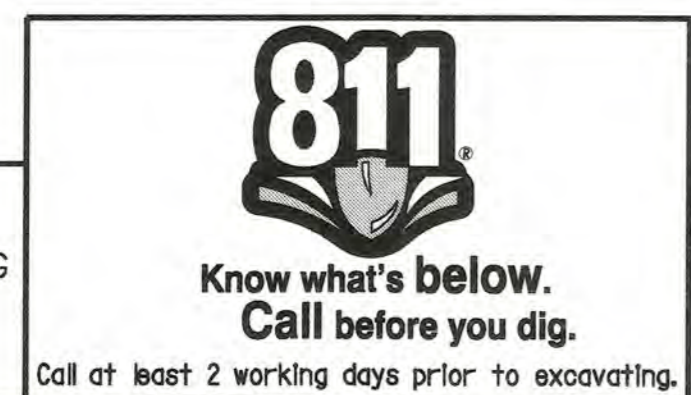
- PLACE 6" AC PAVEMENT OVER 12.5" CLASS II AGGREGATE BASE, PER SOILS REPORT #4462, R-VALUE 32 AC: 16,824 SF (743 TONS) AB: 16,824 SF (764 CY)
- CONSTRUCT SIDEWALK (W=6") PER CITY OF RIVERSIDE STD 325 4,152 SF
- CONSTRUCT 6" CURB AND GUTTER TYPE I PER CITY OF RIVERSIDE STD 200 844 LF
- SAWCUT EXIST. A.C. PVMT. SEE TYPICAL JOIN DETAIL ON THIS SHEET 2,424 LF
- GRIND AND OVERLAY EXISTING PAVEMENT. SEE TYPICAL JOIN DETAIL ON THIS SHEET 45,864 SF
- PROTECT IN PLACE EXISTING VALVE / MANHOLE 9 EA
- REMOVE EXISTING MEDIAN, PLACE AS CONSTRUCTION NOTE NO. 1 775 LF
- CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STD 304 TYPE III AND DETAIL THIS SHEET 3 EA
- CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STD 304 TYPE I AND DETAIL THIS SHEET 1 EA
- CONSTRUCT CROSS GUTTER PER CITY OF RIVERSIDE STD 220 2,149 SF
- ADJUST EXISTING VALVE TO GRADE 3 EA
- CONSTRUCT 8" CURB TYPE II PER CITY OF RIVERSIDE STD 200 1,218 LF
- CONSTRUCT DRIVEWAY TYPE CURB I PER CITY OF RIVERSIDE STD 302 2 EA
- CONSTRUCT PARKWAY DRAIN PER CITY OF RIVERSIDE STD 410; S=24" 1 EA
- CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STD 304 TYPE V, MODIFIED PER DETAIL THIS SHEET 1 EA



- NOTES:**
- USE ONLY APPROVED DSA/AC DETECTABLE WARNING PRODUCTS THAT COMPLY WITH CBC SECTION 11B-705.
  - DETECTABLE WARNINGS SHALL BE LOCATED IN AREAS DEFINED BY CBC SECTION 11B-705.1.2. DETECTABLE WARNING SURFACES AT TRANSIT BOARDING PLATFORM EDGES, BUS STOPS, HAZARDOUS VEHICULAR AREAS, REFLECTING POOLS, AND TRACK CROSSINGS SHALL BE YELLOW AND APPROXIMATE FS 3353B OF FEDERAL STANDARD 595C.
  - DETECTABLE WARNING SURFACES LOCATED AT AREAS OTHER THAN THOSE NOTED ABOVE SHALL PROVIDE A 70 PERCENT MINIMUM VISUAL CONTRAST WITH ADJACENT WALKING SURFACES. CONTRAST PERCENT=(B1-B2)/B1X100 WHERE B1 = LIGHT REFLECTANCE VALUE (LRV) OF THE LIGHTER AREA AND B2 = LIGHT REFLECTANCE VALUE (LRV) OF THE DARKER AREA
  - WHERE THE DETECTABLE WARNING SURFACE DOES NOT PROVIDE A 70 PERCENT MINIMUM CONTRAST WITH THE ADJACENT WALKING SURFACE, A 1-INCH WIDE MINIMUM VISUALLY CONTRASTING SURFACE SHALL SEPARATE THE DETECTABLE WARNING FROM THE ADJACENT WALKING SURFACE. THE VISUALLY CONTRASTING SURFACE SHALL CONTRAST WITH BOTH THE DETECTABLE WARNING AND THE ADJACENT WALKING SURFACES EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.
  - APPLICATION TO BE ADHESIVE METHOD



**CAUTION:**  
EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES IS UNKNOWN. CONTRACTOR TO VERIFY IN FIELD.



PREPARED UNDER THE DIRECTION OF  
*Nathan Charles Smith* 10/2/18  
NATHAN CHARLES SMITH DATE  
REGISTERED CIVIL ENGINEER NO. 74754

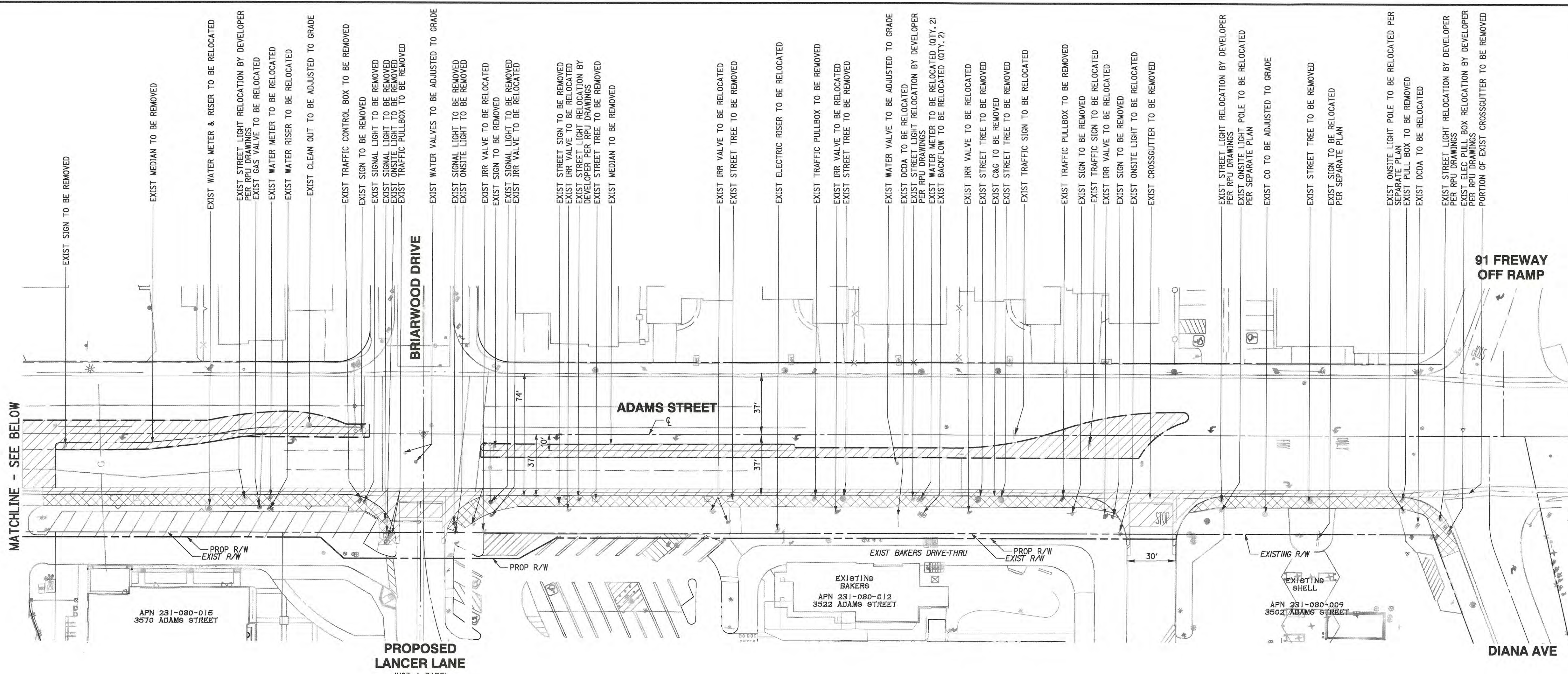
**RICK** ENGINEERING COMPANY  
1770 IOWA AVENUE - SUITE 100  
RIVERSIDE, CA 92507  
951.782.0707  
(FAX) 951.782.0723  
CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/31/19

DESIGNED BY	ROG	DRAWN BY	ROG	CHECKED BY	NCS
MARK	BY	DATE	REVISIONS	APPR. DATE	CITY

**CITY OF RIVERSIDE, CALIFORNIA**  
PUBLIC WORKS DEPARTMENT  
APPROVED BY: *[Signature]* DATE: 2/21/19  
TRAFFIC DIVISION: *[Signature]* DATE: 2/21/19  
PRINCIPAL ENGINEER: *[Signature]* DATE: 2/21/19

**CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT**  
ELECTRIC DIVISION  
APPROVED BY: *[Signature]* DATE: 2/21/19  
**CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT**  
WATER DIVISION  
APPROVED BY: *[Signature]* DATE: 2/15/19

STREET IMPROVEMENT PLAN PW17-0423  
CALIFORNIA BAPTIST UNIVERSITY  
ADAMS STREET WIDENING  
R-4416  
DETAIL SHEET  
SHEET 2 OF 5  
SCALE: HORIZ: NONE VERT: NONE  
PLOT DATE: 02-OCT-2018 JUN 15620CZ



EXIST SIGN TO BE REMOVED

EXIST MEDIUM TO BE REMOVED

EXIST WATER METER & RISER TO BE RELOCATED

EXIST STREET LIGHT RELOCATION BY DEVELOPER PER RPU DRAWINGS

EXIST GAS VALVE TO BE RELOCATED

EXIST WATER METER TO BE RELOCATED

EXIST WATER RISER TO BE RELOCATED

EXIST CLEAN OUT TO BE ADJUSTED TO GRADE

EXIST TRAFFIC CONTROL BOX TO BE REMOVED

EXIST SIGNAL LIGHT TO BE REMOVED

EXIST SIGNAL LIGHT TO BE REMOVED

EXIST ON-SITE LIGHT TO BE REMOVED

EXIST TRAFFIC PULLBOX TO BE REMOVED

EXIST WATER VALVES TO BE ADJUSTED TO GRADE

EXIST SIGNAL LIGHT TO BE REMOVED

EXIST ON-SITE LIGHT TO BE REMOVED

EXIST IRR VALVE TO BE RELOCATED

EXIST SIGN TO BE REMOVED

EXIST SIGNAL LIGHT TO BE REMOVED

EXIST IRR VALVE TO BE RELOCATED

EXIST STREET SIGN TO BE REMOVED

EXIST IRR VALVE TO BE RELOCATED

EXIST STREET LIGHT RELOCATION BY DEVELOPER PER RPU DRAWINGS

EXIST WATER METER TO BE RELOCATED (QTY. 2)

EXIST BACKFLOW TO BE RELOCATED (QTY. 2)

EXIST IRR VALVE TO BE RELOCATED

EXIST STREET TREE TO BE REMOVED

EXIST C&G TO BE REMOVED

EXIST STREET TREE TO BE REMOVED

EXIST TRAFFIC SIGN TO BE RELOCATED

EXIST TRAFFIC PULLBOX TO BE REMOVED

EXIST SIGN TO BE REMOVED

EXIST TRAFFIC SIGN TO BE RELOCATED

EXIST IRR VALVE TO BE RELOCATED

EXIST ON-SITE LIGHT TO BE REMOVED

EXIST CROSSGUTTER TO BE REMOVED

EXIST STREET LIGHT RELOCATION BY DEVELOPER PER RPU DRAWINGS

EXIST ON-SITE LIGHT POLE TO BE RELOCATED PER SEPARATE PLAN

EXIST CO TO BE ADJUSTED TO GRADE

EXIST STREET TREE TO BE REMOVED

EXIST SIGN TO BE RELOCATED PER SEPARATE PLAN

EXIST ON-SITE LIGHT POLE TO BE RELOCATED PER SEPARATE PLAN

EXIST PULL BOX TO BE REMOVED

EXIST DCDA TO BE RELOCATED

EXIST STREET LIGHT RELOCATION BY DEVELOPER PER RPU DRAWINGS

EXIST ELEC PULL BOX RELOCATION BY DEVELOPER PER RPU DRAWINGS

PORTION OF EXIST CROSSGUTTER TO BE REMOVED

MATCHLINE - SEE BELOW

91 FREWAY OFF RAMP

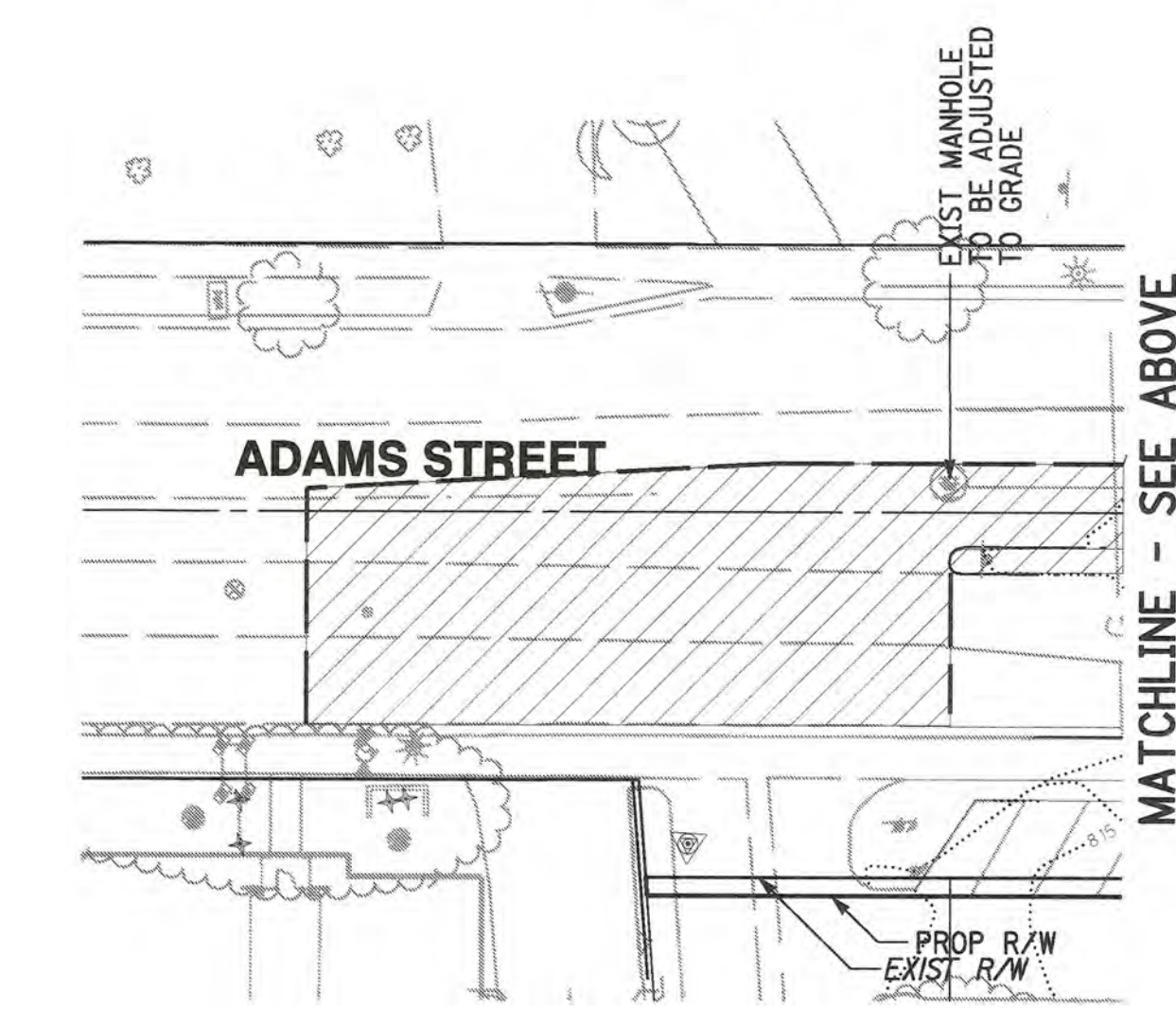
APN 231-080-015  
3570 ADAMS STREET

PROPOSED LANCER LANE  
(NOT A PART)

EXISTING BAKERS  
APN 231-080-012  
3522 ADAMS STREET

EXISTING SHELL  
APN 231-080-009  
3502 ADAMS STREET

DIANA AVE



ADAMS STREET

EXIST MANHOLE TO BE ADJUSTED TO GRADE

MATCHLINE - SEE ABOVE

NOTE: WATER APPURTENANCE RELOCATION PER D5-1816958

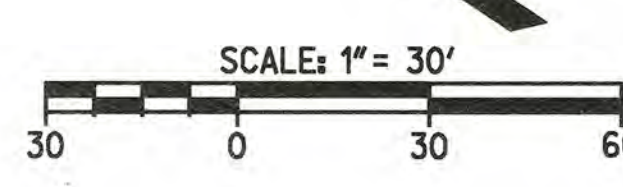
DEMOLITION LEGEND

LIMIT OF REMOVAL	---
AC REMOVAL (11,660 SF)	[Hatched Box]
SIDEWALK REMOVAL (5,774 SF)	[Cross-hatched Box]
EXISTING R/W	---
PROPOSED R/W	---
CURB & GUTTER REMOVAL (825 LF)	---

FOR REFERENCE ONLY

ABBREVIATIONS

CLEANOUT	CO
CURB AND GUTTER	C&G
EXISTING	EXIST
IRRIGATION	IRR
PROPERTY LINE	P/L
PROPOSED	PROP
RIGHT-OF-WAY	R/W
STREET	ST
TYPICAL	TYP
UTILITY	UTL
WATER METER	WM
WATER RISER	WR



**CAUTION:**  
EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES IS UNKNOWN. CONTRACTOR TO VERIFY IN FIELD.

**811**  
Know what's below.  
Call before you dig.  
Call at least 2 working days prior to excavating.

REGISTERED PROFESSIONAL ENGINEER  
NATHAN CHARLES SMITH  
No. 74754  
Exp. 12-31-19  
CIVIL  
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF  
NATHAN CHARLES SMITH  
REGISTERED CIVIL ENGINEER NO. 74754  
DATE 10/2/19

**RICK**  
ENGINEERING COMPANY  
1770 IOWA AVENUE - SUITE 100  
RIVERSIDE, CA 92507  
951.782.0707  
(FAX) 951.782.0723  
rickengr.com  
San Diego - Orange - San Luis Obispo - Bakersfield - Sacramento - Phoenix - Tucson  
CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/31/19  
BENCH MARK:  
CITY OF RIVERSIDE BENCHMARK 05-A2, ELEVATION=797.89', BRASS DISK STAMPED "05-A" IN A MONUMENT WELL AT THE INTERSECTION OF ADAMS STREET AND MAGNOLIA AVENUE, DATUM NGVD 29

MARK BY DATE REVISIONS APPR. DATE CITY  
DESIGNED BY ROG DRAWN BY ROG CHECKED BY NCS

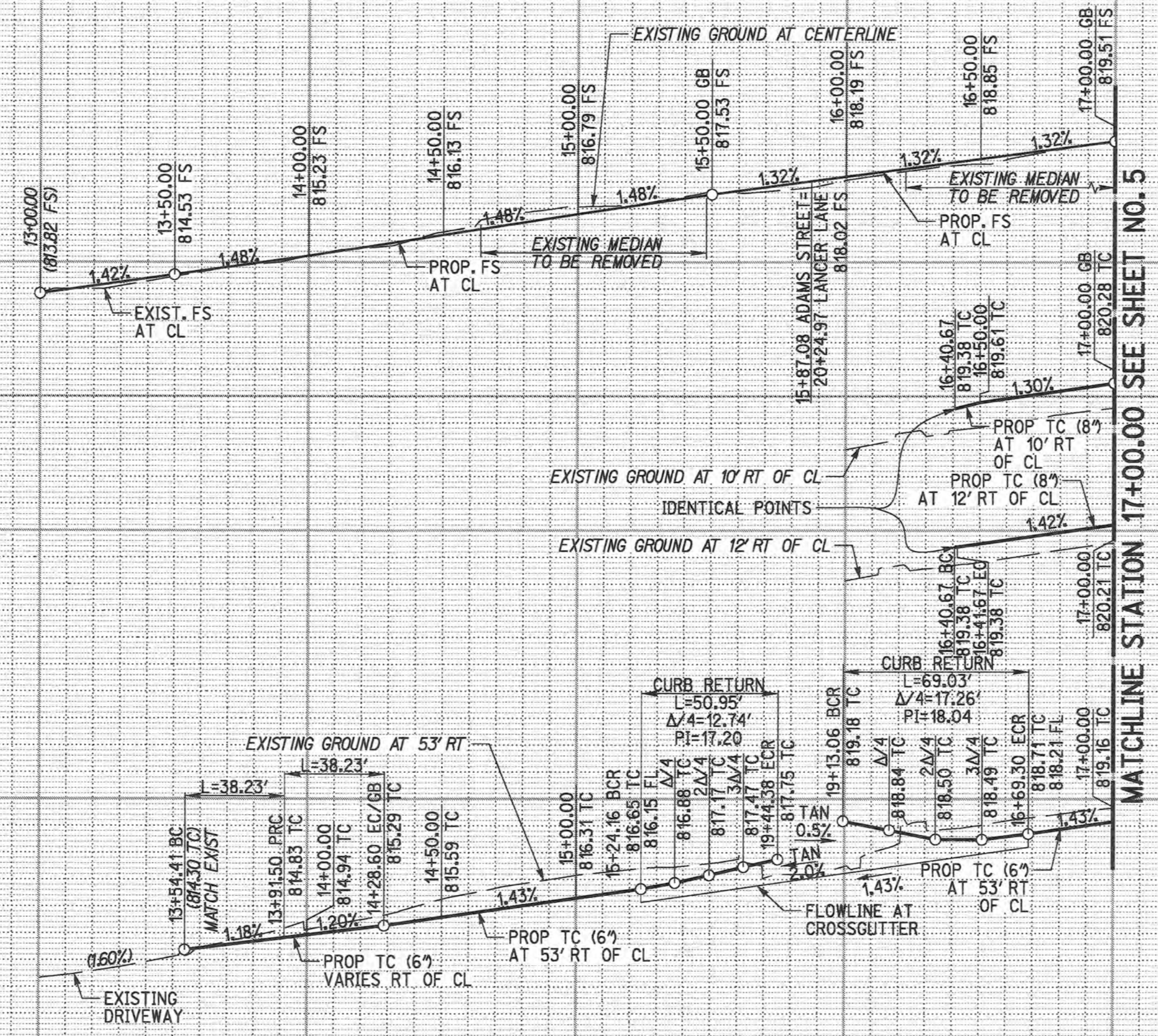
CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
APPROVED BY [Signature] DATE 2/21/19  
TRAFFIC DIVISION  
PRINCIPAL ENGINEER [Signature]

CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT  
ELECTRIC DIVISION  
CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT  
WATER DIVISION  
APPROVED BY [Signature] DATE 2/15/19  
STREET IMPROVEMENT PLAN  
CALIFORNIA BAPTIST UNIVERSITY  
ADAMS STREET WIDENING  
DEMOLITION PLAN  
SCALE HORIZ: 1"=30' VERT: NONE  
PLOT DATE: 02-OCT-2018 JN 15620CZ

PW17-0423  
R-4416  
SHEET 3 OF 5  
FILE NO.

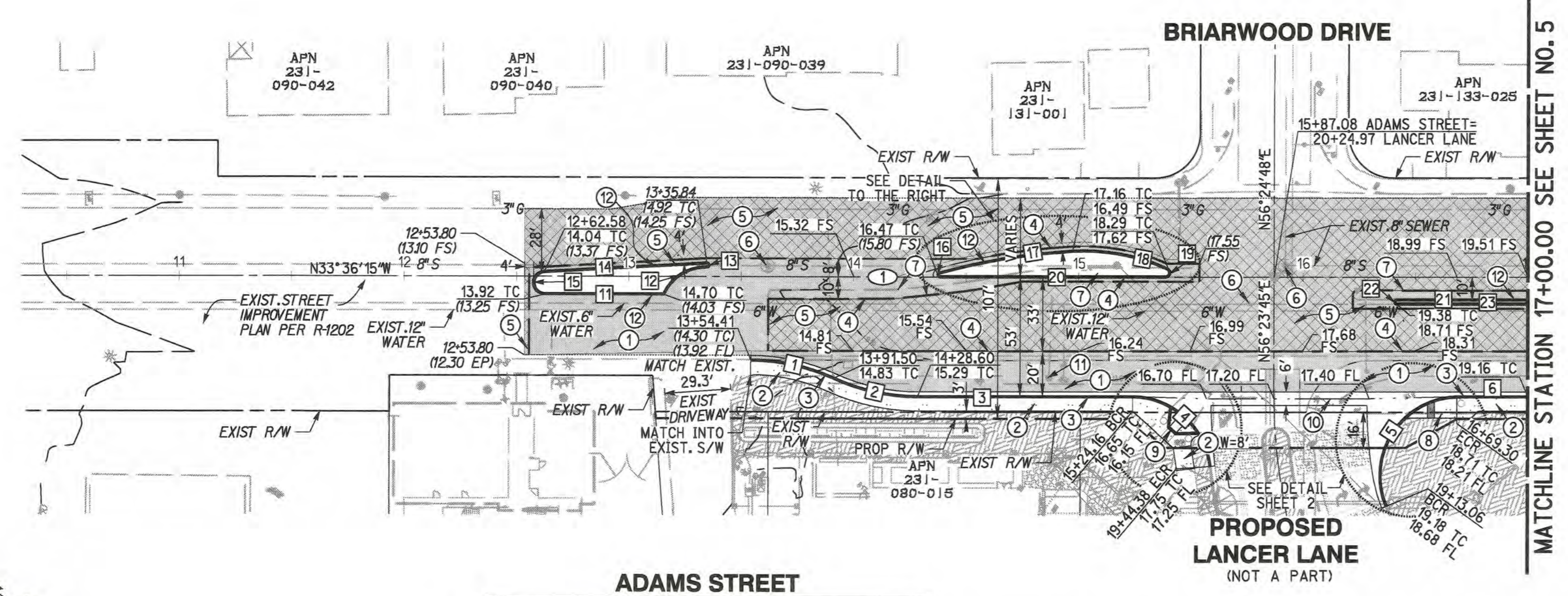
DESIGN SPEED  
40 MPH

815 CL  
820 MEDIAN  
10' RT  
820 MEDIAN  
12' RT  
820 TC  
@53' RT

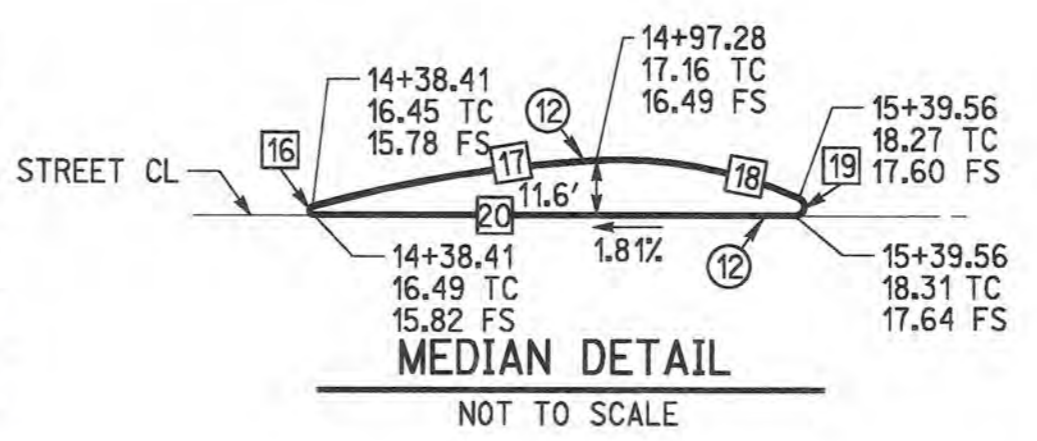


MATCHLINE STATION 17+00.00 SEE SHEET NO. 5

PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=4'



MATCHLINE STATION 17+00.00 SEE SHEET NO. 5



**CONSTRUCTION LEGEND**

- PROPOSED AC PAVEMENT
- PROPOSED CURB AND GUTTER
- GRIND AND OVERLAY
- SAWCUT
- EXIST R/W
- PROPOSED R/W
- CROSS GUTTER

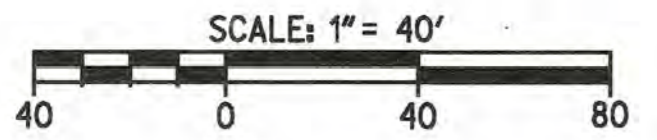
**CURB ANNOTATION**

No.	DELTA OR BEARING	RADIUS	LENGTH	TANGENT	REMARKS
1	Δ=24°20'26"	90.00'	38.23'	19.41'	6" CURB&GUTTER
2	Δ=24°20'26"	90.00'	38.23'	19.41'	6" CURB&GUTTER
3	N33°36'15"W		95.57'		6" CURB&GUTTER
4	Δ=83°24'04"	35.00'	50.95'	31.18'	6" CURB&GUTTER
5	Δ=113°00'20"	35.00'	69.03'	52.88'	6" CURB&GUTTER
6	N33°36'15"W		31.57'		6" CURB&GUTTER
11	N33°36'15"W		53.19'		8" CURB MEDIAN
12	Δ=62°49'44"	20.00'	21.93'		8" CURB MEDIAN
13	Δ=181°09'02"	1.00'	3.16'		8" CURB MEDIAN
14	N36°44'41"W		72.50'		8" CURB MEDIAN
15	Δ=176°51'34"	5.00'	15.43'		8" CURB MEDIAN
16	Δ=164°36'48"	1.00'	2.87'		8" CURB MEDIAN
17	Δ=12°17'04"	280.00'	60.03'		8" CURB MEDIAN
18	Δ=27°00'49"	92.00'	43.38'		8" CURB MEDIAN
19	Δ=156°05'18"	2.00'	5.45'		8" CURB MEDIAN
20	N33°36'15"W		100.33'		8" CURB MEDIAN
21	N33°36'15"W		58.33'		8" CURB MEDIAN
22	Δ=180°00'00"	1.00'	3.14'		8" CURB MEDIAN
23	N33°36'15"W		58.33'		8" CURB MEDIAN

- CONSTRUCTION NOTES**
- PLACE 6" AC PAVEMENT OVER 12.5" CLASS II AGGREGATE BASE, PER SOILS REPORT #4462, R-VALUE 32
  - CONSTRUCT SIDEWALK (W=6') PER CITY OF RIVERSIDE STD 325
  - CONSTRUCT 6" CURB AND GUTTER TYPE I PER CITY OF RIVERSIDE STD 200
  - SAWCUT EXIST. A.C. PVMT. SEE TYPICAL JOIN DETAIL ON SHEET 2
  - GRIND AND OVERLAY EXISTING PAVEMENT. SEE TYPICAL JOIN DETAIL ON SHEET 2
  - PROTECT IN PLACE EXISTING VALVE / MANHOLE
  - REMOVE EXISTING MEDIAN, REPLACE WITH PAVEMENT SECTION PER CONSTRUCTION NOTE NO. 1
  - CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STD 304 TYPE III AND DETAIL SHEET 2
  - CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STD 304 TYPE I AND DETAIL SHEET 2
  - CONSTRUCT CROSS GUTTER PER CITY OF RIVERSIDE STD 220, W=6'
  - ADJUST EXISTING VALVE TO GRADE
  - CONSTRUCT 8" CURB TYPE II PER CITY OF RIVERSIDE STD 200

**CENTERLINE DATA**

NO.	DELTA OR BRG.	RADIUS	LENGTH	TANGENT
1	N 33°36'15" W		446.20'	



**CAUTION:**  
EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES IS UNKNOWN. CONTRACTOR TO VERIFY IN FIELD.



CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT  
ELECTRIC DIVISION

CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT  
WATER DIVISION

APPROVED BY: [Signature] DATE: 2/21/19

APPROVED BY: [Signature] DATE: 2/15/19

PREPARED UNDER THE DIRECTION OF: [Signature] DATE: 1/16/19

NATHAN CHARLES SMITH  
REGISTERED CIVIL ENGINEER NO. 74754

**RICK**  
ENGINEERING COMPANY  
1770 IOWA AVENUE - SUITE 100  
RIVERSIDE, CA 92507  
951.782.0707  
(FAX) 951.782.0723

CITY BUSINESS TAX CERTIFICATE NO. 55225 EXP. DATE 7/31/19

BENCH MARK:  
CITY OF RIVERSIDE BENCHMARK 05-A2, ELEVATION=797.89', BRASS DISK STAMPED "65-A" IN A MONUMENT WELL AT THE INTERSECTION OF ADAMS STREET AND MAGNOLIA AVENUE. DATUM NGVD 29

**CITY OF RIVERSIDE, CALIFORNIA**  
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 2-22-19

ENGINEERING MANAGER: [Signature] DATE: 2-23-19

TRAFFIC DIVISION: [Signature] DATE: 2-23-19

PRINCIPAL ENGINEER: [Signature]

**STREET IMPROVEMENT PLAN** PW17-0423

CALIFORNIA BAPTIST UNIVERSITY  
ADAMS STREET WIDENING  
12+53.80 TO 17+00.00  
PLAN & PROFILE

R-4416

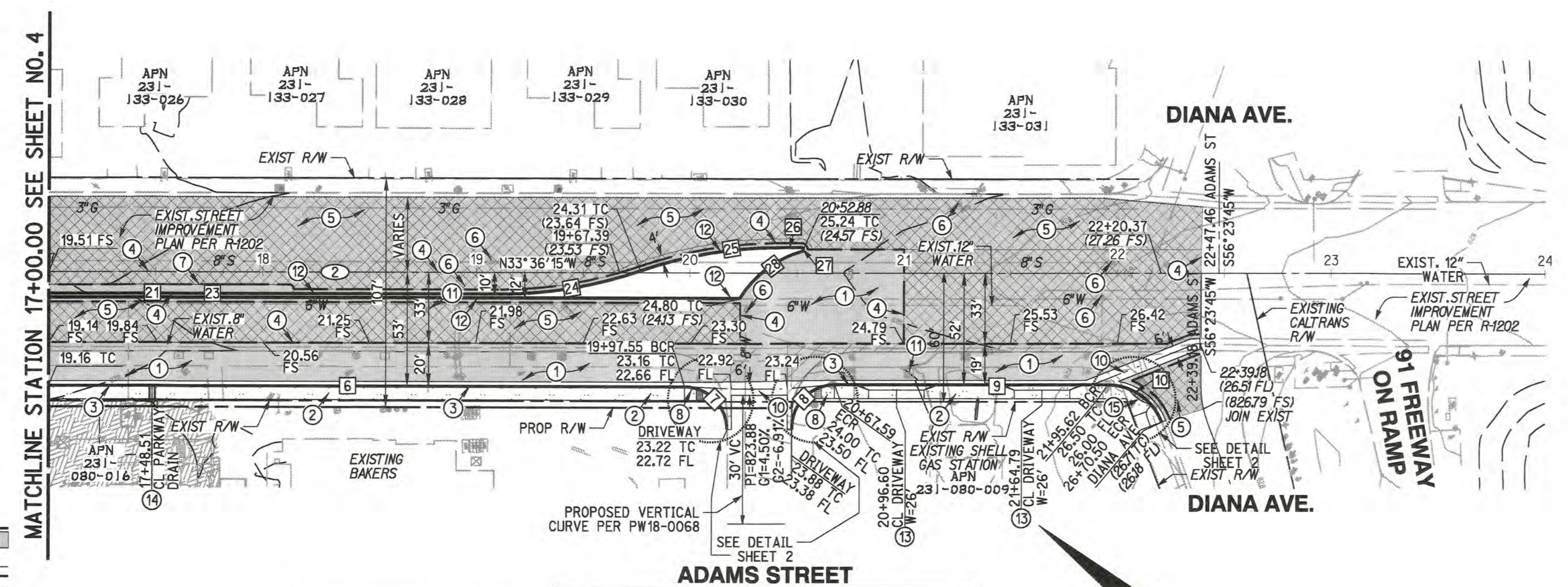
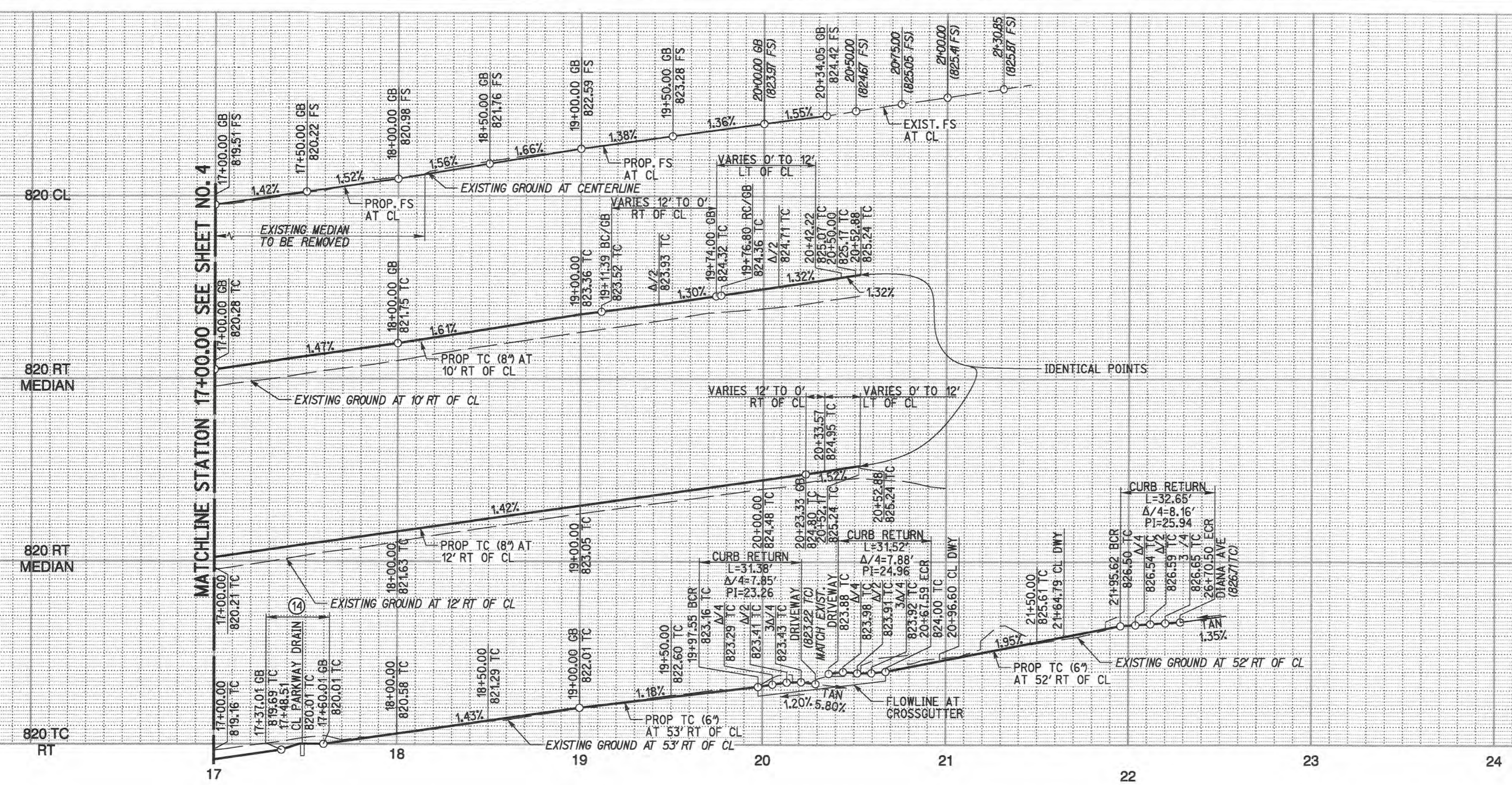
SHEET 4 OF 5

SCALE: HORIZ: 1"=40' VERT: 1"=4'

FILE NO.

DESIGN SPEED  
40 MPH

PROFILE SCALE:  
HORIZ: 1"=40'  
VERT: 1"=4'

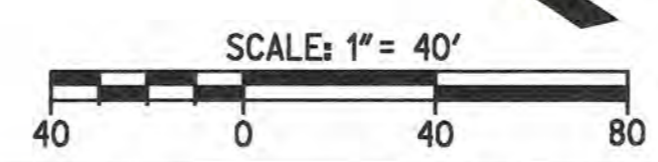


CURB ANNOTATION					
No.	DELTA OR BEARING	RADIUS	LENGTH	TANGENT	REMARKS
6	N33°36'15"W		279.55'		6" CURB & GUTTER
7	Δ=89°54'06"	20.00'	31.38'	19.96'	CURB RETURN
8	Δ=90°18'46"	20.00'	31.53'	20.11'	CURB RETURN
9	N33°36'15"W		128.03'		6" CURB & GUTTER
10	Δ=69°17'04"	27.00'	32.65'	18.65'	CURB RETURN
21	N33°36'15"W		211.39'		8" CURB MEDIAN
22	Δ=180°00'00"	1.00'	3.14'		8" CURB MEDIAN
23	N33°36'15"W		211.39'		8" CURB MEDIAN
24	Δ=19°05'28"	200.00'	66.64'	33.63'	8" CURB MEDIAN
25	Δ=19°05'28"	200.00'	66.64'	33.63'	8" CURB MEDIAN
26	N33°36'15"W		9.67'		8" CURB MEDIAN
27	Δ=163°54'04"	1.00'	2.86'	7.07'	8" CURB MEDIAN
28	Δ=42°34'08"	50.00'	37.15'	19.48'	8" CURB MEDIAN

- CONSTRUCTION NOTES**
- PLACE 6" AC PAVEMENT OVER 12.5" CLASS II AGGREGATE BASE, PER SOILS REPORT #4462, R-VALUE 32
  - CONSTRUCT SIDEWALK (W=6') PER CITY OF RIVERSIDE STD 325
  - CONSTRUCT 6" CURB AND GUTTER TYPE I PER CITY OF RIVERSIDE STD 200
  - SAWCUT EXIST. A.C. PVMT. SEE TYPICAL JOIN DETAIL ON SHEET 2
  - GRIND AND OVERLAY EXISTING PAVEMENT. SEE TYPICAL JOIN DETAIL ON SHEET 2
  - PROTECT IN PLACE EXISTING VALVE / MANHOLE
  - REMOVE EXISTING MEDIAN, REPLACE WITH PAVEMENT SECTION PER CONSTRUCTION NOTE NO. 1
  - CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STD 304 TYPE III AND DETAIL SHEET 2
  - CONSTRUCT CROSS GUTTER PER CITY OF RIVERSIDE STD 220
  - ADJUST EXISTING VALVE TO GRADE
  - CONSTRUCT 8" CURB TYPE II PER CITY OF RIVERSIDE STD 200
  - CONSTRUCT DRIVEWAY TYPE CURB I PER CITY OF RIVERSIDE STD 302
  - CONSTRUCT PARKWAY DRAIN PER CITY OF RIVERSIDE STD 410; S=24"
  - CONSTRUCT CURB RAMP PER CITY OF RIVERSIDE STD 304 TYPE V, MODIFIED PER DETAIL SHEET 2

- CONSTRUCTION LEGEND**
- PROPOSED AC PAVEMENT
  - PROPOSED CURB AND GUTTER
  - GRIND AND OVERLAY
  - SAWCUT
  - EXIST R/W
  - PROPOSED R/W
  - CROSS GUTTER

CENTERLINE DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	TANGENT
2	N 33°36'15" W		539.18'	



CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT  
ELECTRIC DIVISION

CITY OF RIVERSIDE-PUBLIC UTILITIES DEPARTMENT  
WATER DIVISION

APPROVED BY: [Signature] DATE: 2/21/17

APPROVED BY: [Signature] DATE: 2/15/17

**811**  
Know what's below.  
Call before you dig.  
Call at least 2 working days prior to excavating.



PREPARED UNDER THE DIRECTION OF  
NATHAN CHARLES SMITH  
REGISTERED CIVIL ENGINEER NO. 74754

**RICK**  
ENGINEERING COMPANY  
1770 IOWA AVENUE - SUITE 100  
RIVERSIDE, CA 92507  
951.782.0707 (FAX) 951.782.0723

CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/31/19

MARK	BY	DATE	REVISIONS
DESIGNED BY	ROG		
DRAWN BY	ROG		
CHECKED BY	NCS		

CITY OF RIVERSIDE, CALIFORNIA  
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 2-28-17

PRINCIPAL ENGINEER

STREET IMPROVEMENT PLAN  
CALIFORNIA BAPTIST UNIVERSITY  
ADAMS STREET WIDENING  
17+00.00 TO 22+39.18  
PLAN & PROFILE

PW17-0423  
R-4416  
SHEET 5 OF 5

SCALE  
HORIZ: 1"=40' VERT: 1"=4'

FILE NO.

**CAUTION:**  
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