

IN THE CITY OF RIVERSIDE, CALIFORNIA

SEWER IMPROVEMENT PLAN

LANCER LANE

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 PUBLIC UTILITIES DEPARTMENT WATER DIVISION, STANDARD DRAWINGS, ITS SUPPLEMENTAL NOTES, THE NFPA 24 STANDARDS 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. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING OR RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
6. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
7. THE CONTRACTOR SHALL CALL IN A LOCATION REQUEST TO UNDERGROUND SERVICE ALERT (USA), PHONE # 811, 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.
8. LOCATION OF SERVICES TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES. SERVICES SHALL BE INSTALLED UP TO 5 FEET FROM BUILDING UNLESS OTHERWISE NOTED. SERVICES WITHIN 5 FEET OF BUILDING TO BE BUILT FROM PLUMBING PLANS.
9. CONTRACTOR IS TO VERIFY EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO START OF CONSTRUCTION.

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

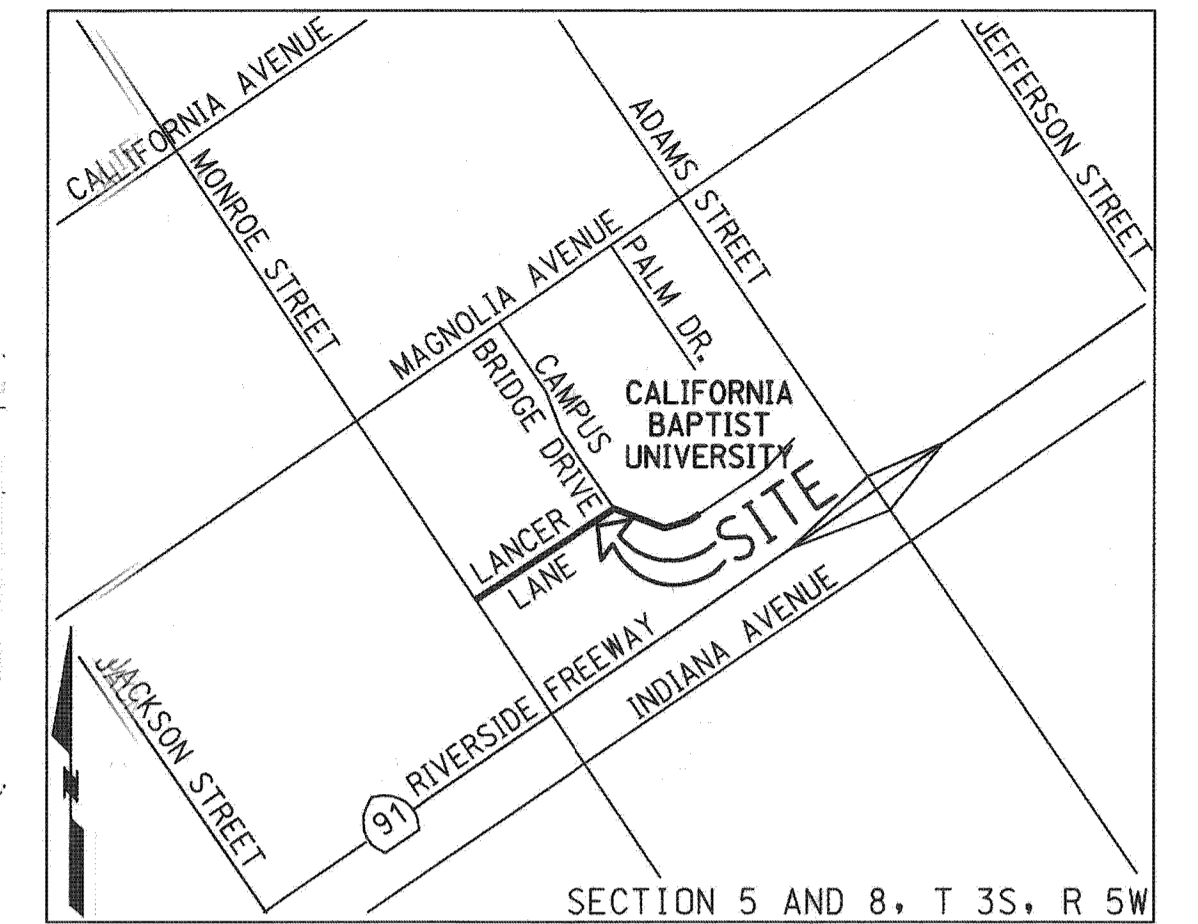
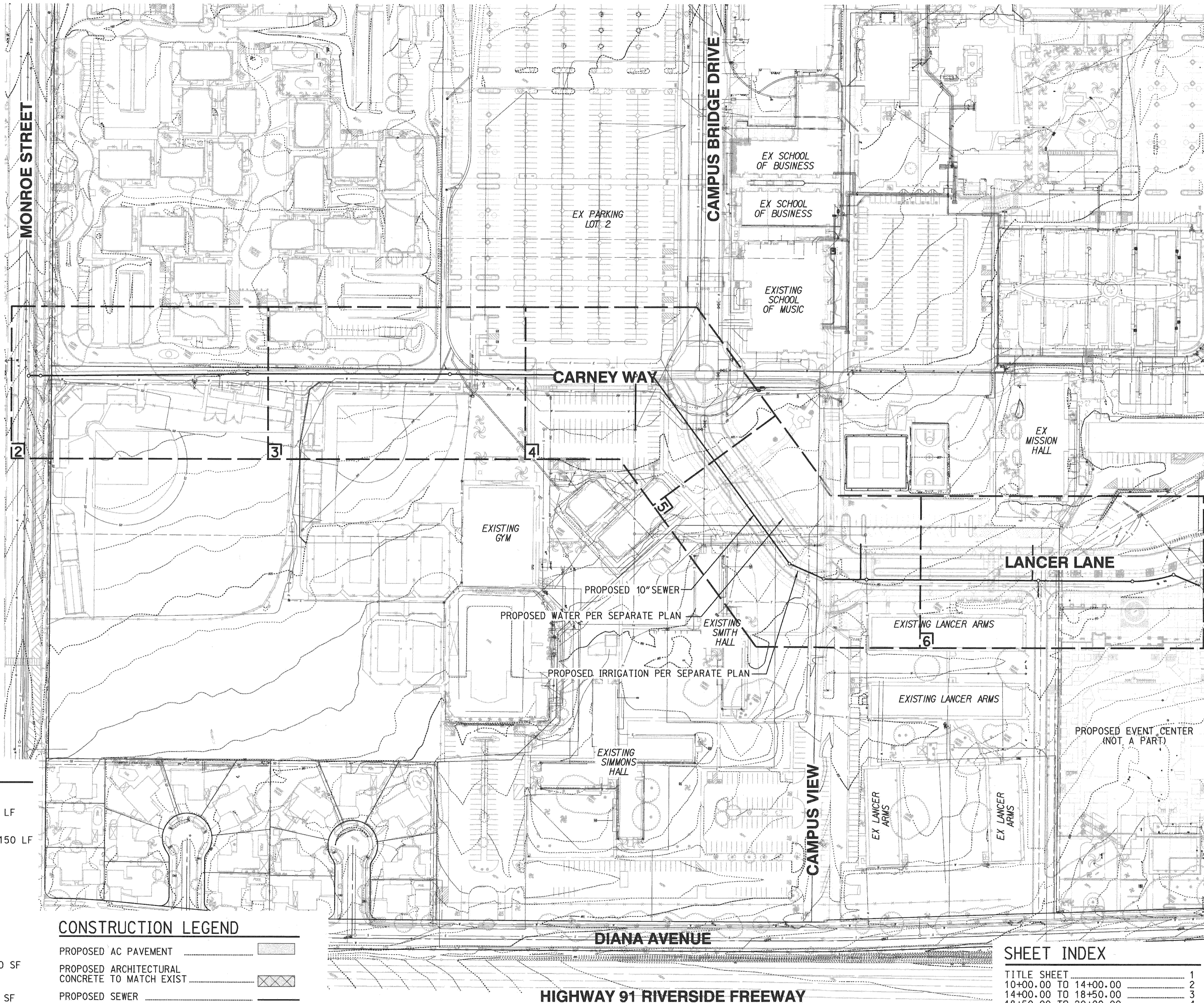
PRIVATE ENGINEER WILL NOT BE PROVIDING INSPECTION SERVICES OR CONSTRUCTION REVIEW. THESE FUNCTIONS ARE THE RESPONSIBILITY OF THE CITY AND/OR THE GENERAL CONTRACTOR. ENGINEER ACCEPTS NO LIABILITY FOR SUCH FUNCTIONS OR WORK THEREOF.

CONSTRUCTION NOTES & QUANTITY ESTIMATE

- | | | |
|----|--|-------------|
| 1 | INSTALL SEWER MANHOLE PER CITY OF RIV STD 500 | 11 EA |
| 2 | INSTALL 10" VCP SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1) | 2,155 LF |
| 3 | INSTALL 6" SEWER LATERAL PER CITY OF RIV STD 562 | 3 EA/150 LF |
| 4 | INSTALL SEWER CLEANOUT PER CITY OF RIV STD 560 | 1 EA |
| 5 | INSTALL DROP MANHOLE PER CITY OF RIV STD 503 | 2 EA |
| 6 | INSTALL 4" VCP SEWER LATERAL TO CONNECT EXISTING SEWER TO PROPOSED 10" SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1) | 5 LF |
| 7 | INSTALL CAP AT END OF LATERAL FOR FUTURE BUILDING CONNECTION | 4 EA |
| 8 | INSTALL 3" AC PAVEMENT OVER 11.5" CLASS II AGGREGATE BASE PER SOILS ENGINEER RECOMMENDATION | 10,150 SF |
| 9 | REPLACE EXISTING SEWER CLEANOUT PER CITY OF RIV STD 560 | 1 EA |
| 10 | INSTALL ARCHITECTURAL CONCRETE TO MATCH EXISTING | 1,875 SF |
| 11 | INSTALL 8" VCP SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1) | 95 LF |

CONSTRUCTION LEGEND

- | | |
|--|--|
| PROPOSED AC PAVEMENT | |
| PROPOSED ARCHITECTURAL CONCRETE TO MATCH EXIST | |
| PROPOSED SEWER | |
| PROPOSED MANHOLE | |



SECTION 5 AND 8, T 3S, R 5W
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, EXCEPTION 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: ROBERT A. STOCKTON, RCE 33591
(951) 782-0707

GEOTECHNICAL ENGINEER

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

SITE ADDRESS

8432 MAGNOLIA AVENUE
RIVERSIDE, CA. 92504

SHEET INDEX

TITLE SHEET	1
10+00.00 TO 14+00.00	2
14+00.00 TO 18+50.00	3
18+50.00 TO 20+00.00	4
20+00.00 TO 26+00.00	5
26+00.00 TO 31+55.00	6
DEMOLITION PLAN	7

* THIS IS A PRIVATE SEWER SYSTEM THAT IS TO BE PRIVATELY MAINTAINED *

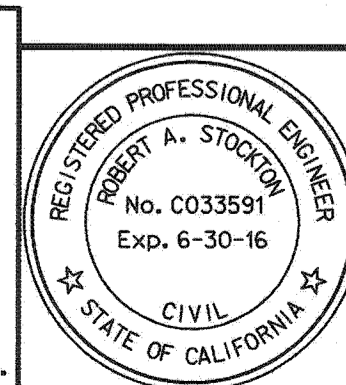
CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT
WATER DIVISION

CAUTION:

EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES IS UNKNOWN, CONTRACTOR TO VERIFY IN FIELD.



Call at least 2 working days prior to excavating.



PREPARED UNDER THE DIRECTION OF
ROBERT A. STOCKTON
REGISTERED CIVIL ENGINEER NO. C033591
EXPIRATION DATE 6-30-16

RICK ENGINEERING COMPANY
1770 IOWA AVENUE - SUITE 100
RIVERSIDE, CA 92507
951.782.0707
(FAX) 951.782.0723
rickenr.com
San Diego - Orange - San Luis Obispo - Ukiah - Sacramento - Phoenix - Tucson

CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/20/15
BENCH MARK:
CITY OF RIVERSIDE BENCHMARK G5-A2, ELEVATION=797.89', BRASS DISK
STAMPED "G5-A" IN A MONUMENT WELL AT THE INTERSECTION OF ADAMS
STREET AND MAGNOLIA AVENUE. DATUM NGVD 29

DESIGNED BY	JB	DRAWN BY	JB	CHECKED BY	KW
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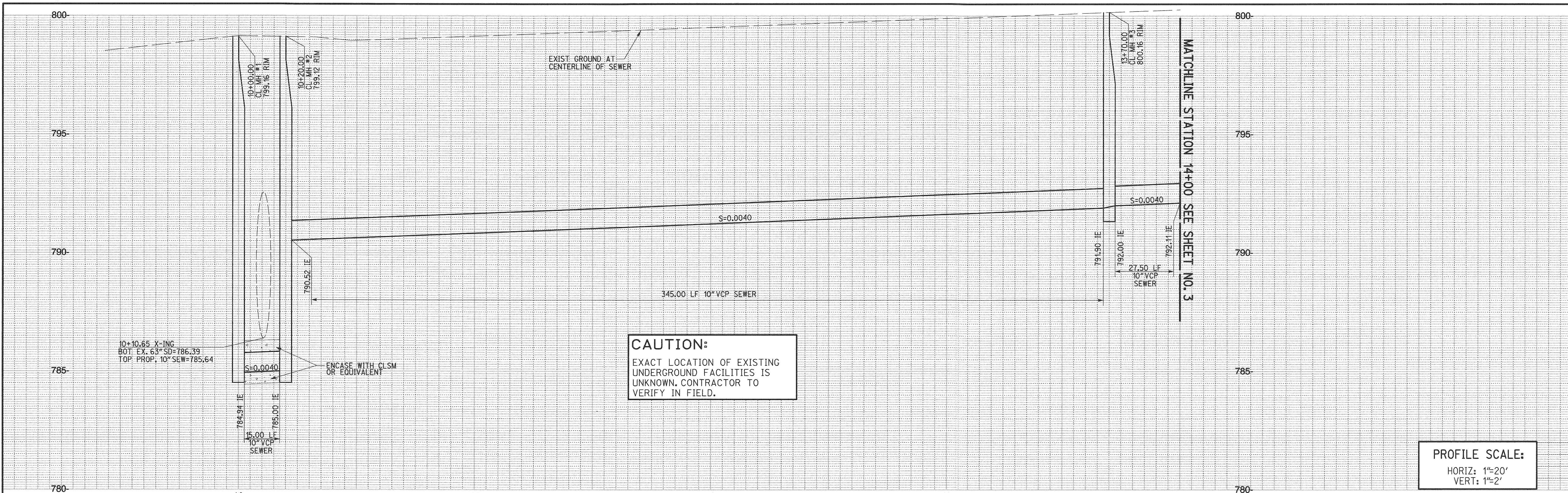
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	RM	5/18/15	<i>[Signature]</i>
CAPITAL PROJECTS	TR	5/18/15	
TRAFFIC DIVISION	TR	5/18/15	

CITY ENGINEER / P.W. DIRECTOR
DATE 5/18/15

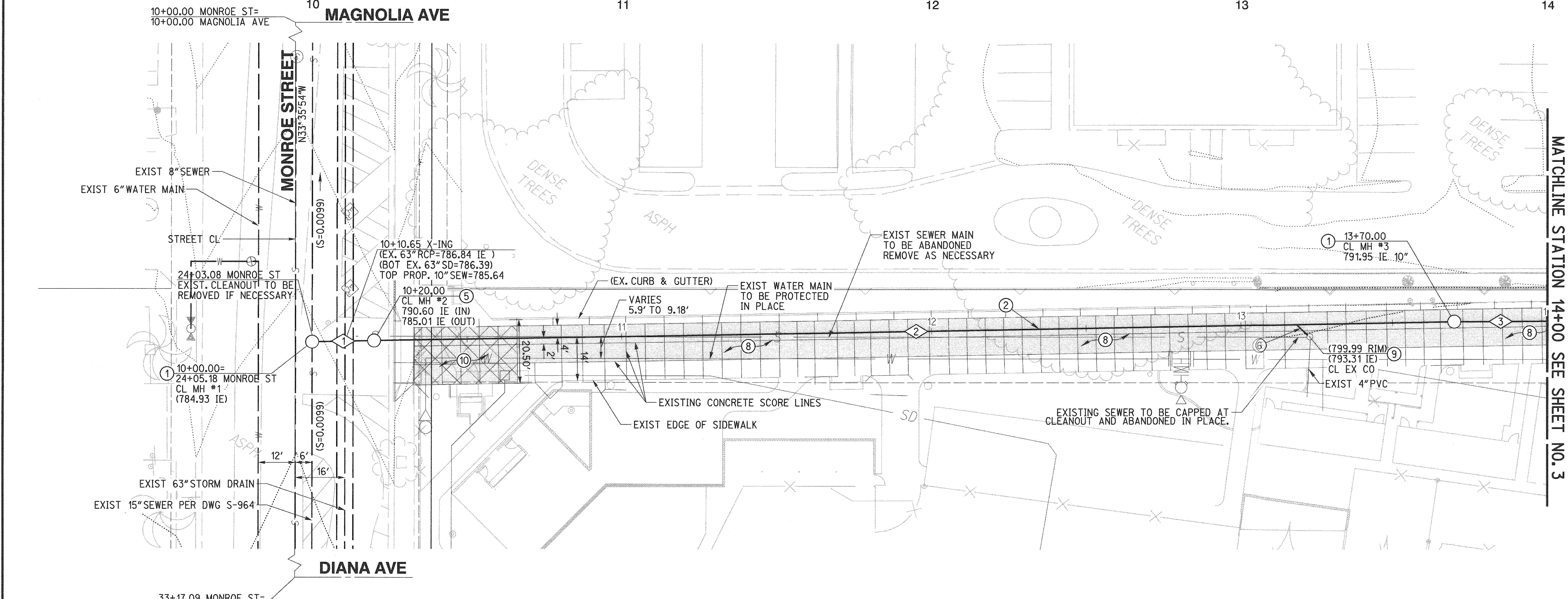
SEWER IMPROVEMENT PLAN
CALIFORNIA BAPTIST UNIVERSITY
LANCER LANE
TITLE SHEET
PW15-0250
S-2130
SHEET 1 OF 7
SCALE
HORIZ: 1"=100' VERT: N/A
FILE NO.
PLOT DATE: 14-MAY-2015 JN 156208Y

I+S 5/18/2015 RAS



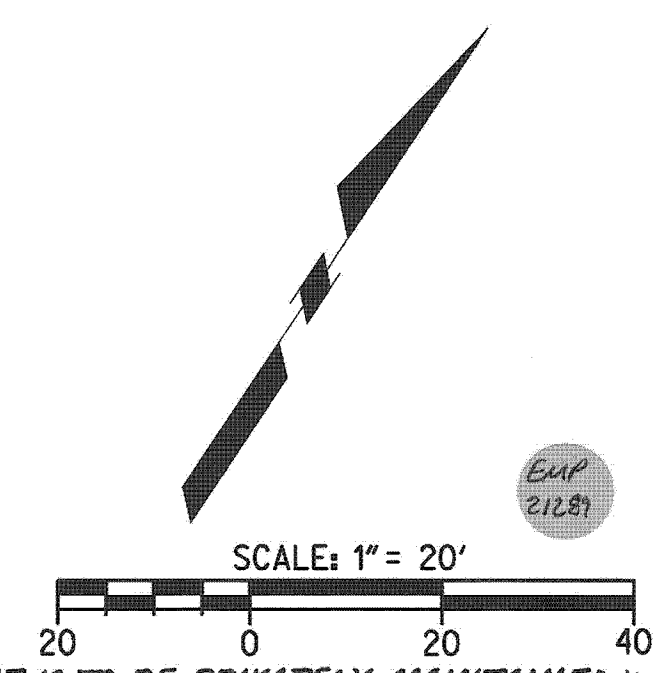
CAUTION:
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PROFILE SCALE:
HORIZ: 1"=20'
VERT: 1"=2'



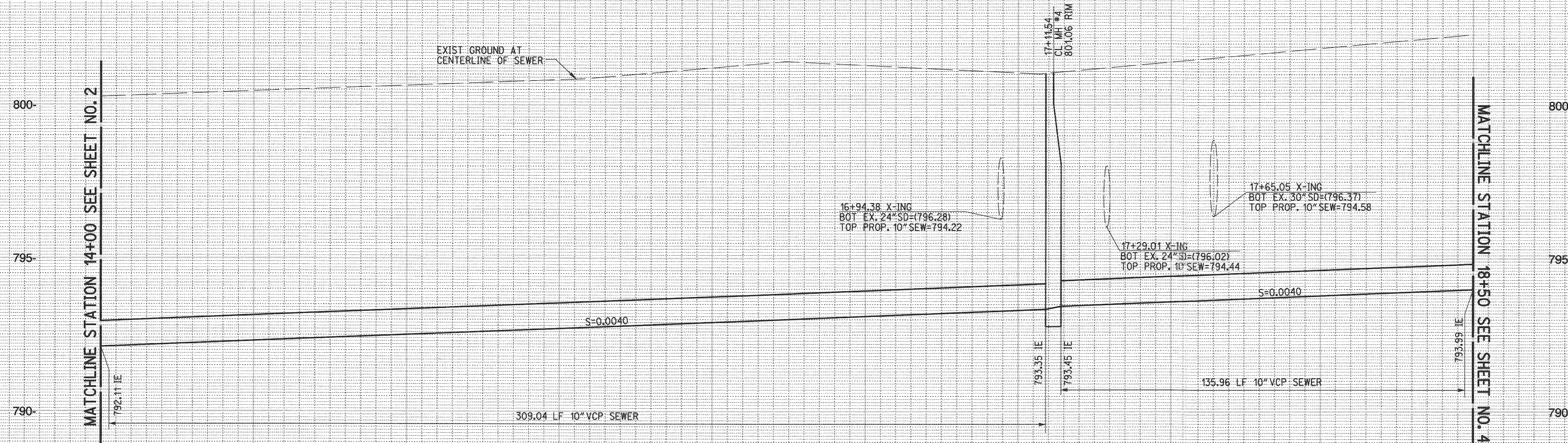
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NO.	DELTA OR BRG.	RADIUS	LENGTH	TANGENT
1	N 55°22'06" E		20.00'	
2	N 55°22'06" E		350.00'	
3	N 56°02'10" E		30.00'	

- CONSTRUCTION NOTES**
- INSTALL SEWER MANHOLE PER CITY OF RIV STD 500
 - INSTALL 10" VCP SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1)
 - INSTALL DROP MANHOLE PER CITY OF RIV STD 503
 - INSTALL 4" VCP SEWER LATERAL TO CONNECT EXISTING SEWER TO PROPOSED 10" SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1)
 - INSTALL 3" AC PAVEMENT OVER 11.5" CLASS II AGGREGATE BASE PER SOILS ENGINEER RECOMMENDATION
 - REPLACE EXISTING SEWER CLEANOUT PER CITY OF RIV STD 560
 - INSTALL ARCHITECTURAL CONCRETE TO MATCH EXISTING



<p>CITY OF RIVERSIDE PUBLIC UTILITIES DEPARTMENT WATER DIVISION</p> <p>APPROVED BY: <i>[Signature]</i> DATE: 5/18/15</p>	<p>CAUTION: EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES IS UNKNOWN. CONTRACTOR TO VERIFY IN FIELD.</p>	<p>811 Know what's below. Call before you dig. Call at least 2 working days prior to excavating.</p>	<p>REGISTERED PROFESSIONAL ENGINEER ROBERT A. STOCKTON No. C033591 Exp. 6-30-16 CIVIL STATE OF CALIFORNIA</p>	<p>PREPARED UNDER THE DIRECTION OF ROBERT A. STOCKTON REGISTERED CIVIL ENGINEER NO. C033591 EXPIRATION DATE: 6-30-16</p>	<p>RICK ENGINEERING COMPANY 1770 IOWA AVENUE - SUITE 100 RIVERSIDE, CA 92507 951.782.0707 (FAX) 951.782.0723 rickenengineering.com Riverside San Diego - Orange - San Luis Obispo - Bakersfield - Sacramento - Phoenix - Tucson</p>	<p>CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT</p> <p>APPROVED BY: <i>[Signature]</i> DATE: 5/18/15</p> <p>PRINCIPAL ENGINEER: <i>[Signature]</i> DATE: 5/18/15 CAPITAL PROJECTS: <i>[Signature]</i> DATE: 5/18/15 TRAFFIC DIVISION: <i>[Signature]</i> DATE: 5/18/15</p>	<p>SEWER IMPROVEMENT PLAN CALIFORNIA BAPTIST UNIVERSITY LANCER LANE 10+00.00 TO 14+00.00 SCALE: HORIZ: 1"=100' VERT: N/A</p>	<p>PW15-0250 S-2130 SHEET 2 OF 7 FILE NO.</p>

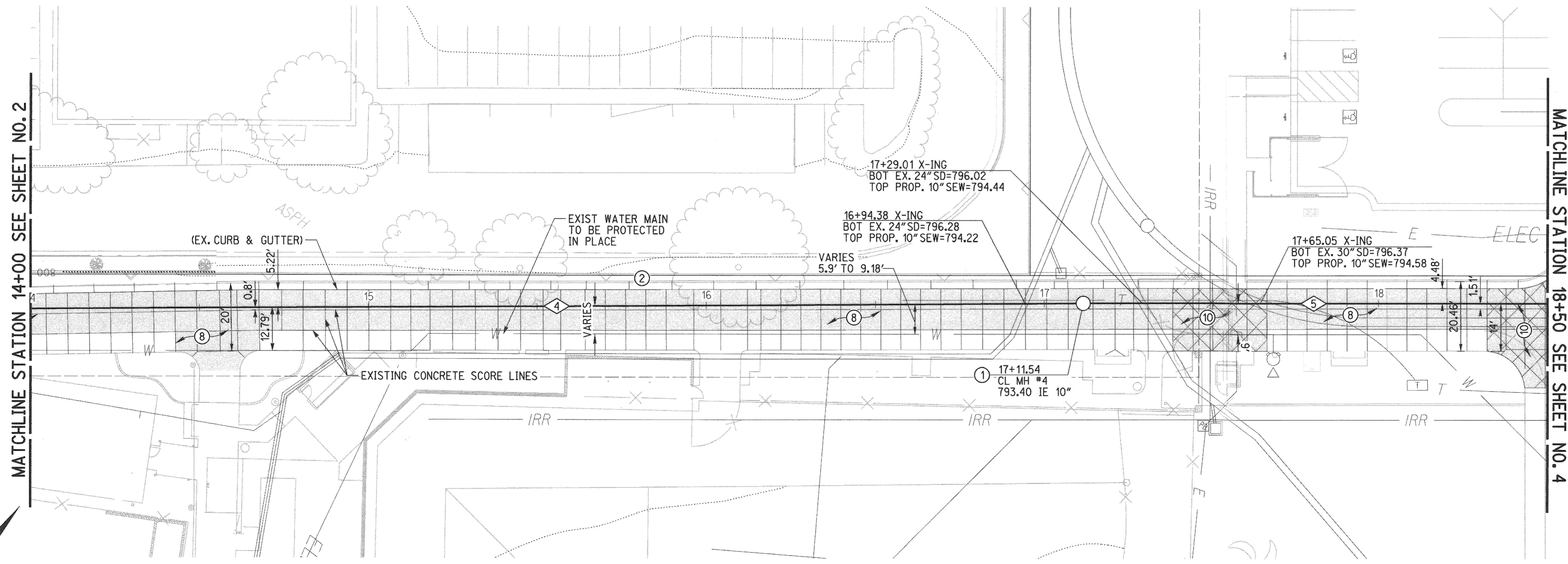
I # S 5/18/15 [Signature]



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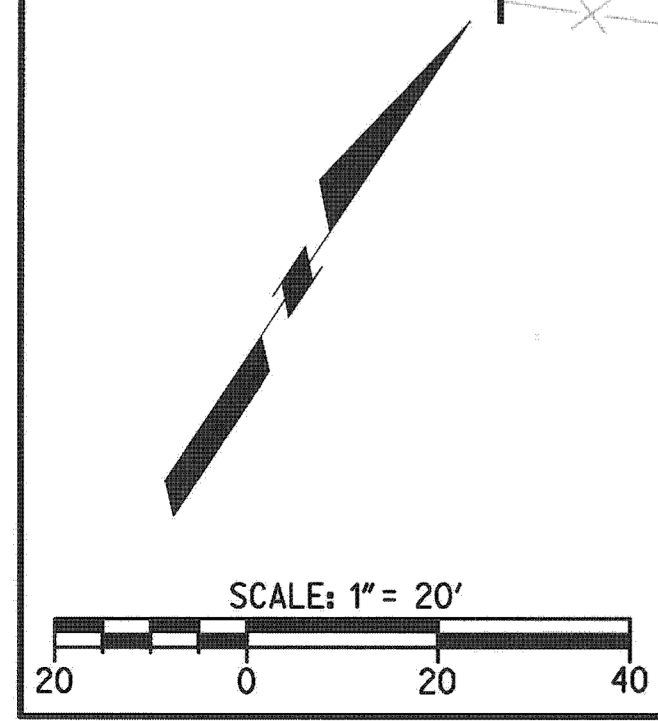
PROFILE SCALE:
HORIZ: 1"=20'
VERT: 1"=2'

14 15 16 17 18 19



SEWER DATA				
NO.	DELTA COR BRG.	RADIUS	LENGTH	TANGENT
4	N 56°02'10" E		311.54'	
5	N 56°23'58" E		138.46'	

- CONSTRUCTION NOTES**
- INSTALL SEWER MANHOLE PER CITY OF RIV STD 500
 - INSTALL 10" VCP SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1)
 - INSTALL 3" AC PAVEMENT OVER 11.5" CLASS II AGGREGATE BASE PER SOILS ENGINEER RECOMMENDATION
 - INSTALL ARCHITECTURAL CONCRETE TO MATCH EXISTING



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

REGISTERED PROFESSIONAL ENGINEER
ROBERT A. STOCKTON
No. C033591
Exp. 6-30-16
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
ROBERT A. STOCKTON
REGISTERED CIVIL ENGINEER NO. C033591
EXPIRATION DATE 6-30-16

RICK
ENGINEERING COMPANY
1770 IOWA AVENUE - SUITE 100
RIVERSIDE, CA 92507
951.762.0707
(FAX) 951.762.0723
rickengineering.com

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	REVISIONS	APPR	DATE

DESIGNED BY: JB DRAWN BY: JB CHECKED BY: KW

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature] DATE: 5/18/15
PRINCIPAL ENGINEER: JTB
CAPITAL PROJECTS: JTB
TRAFFIC DIVISION: JTB

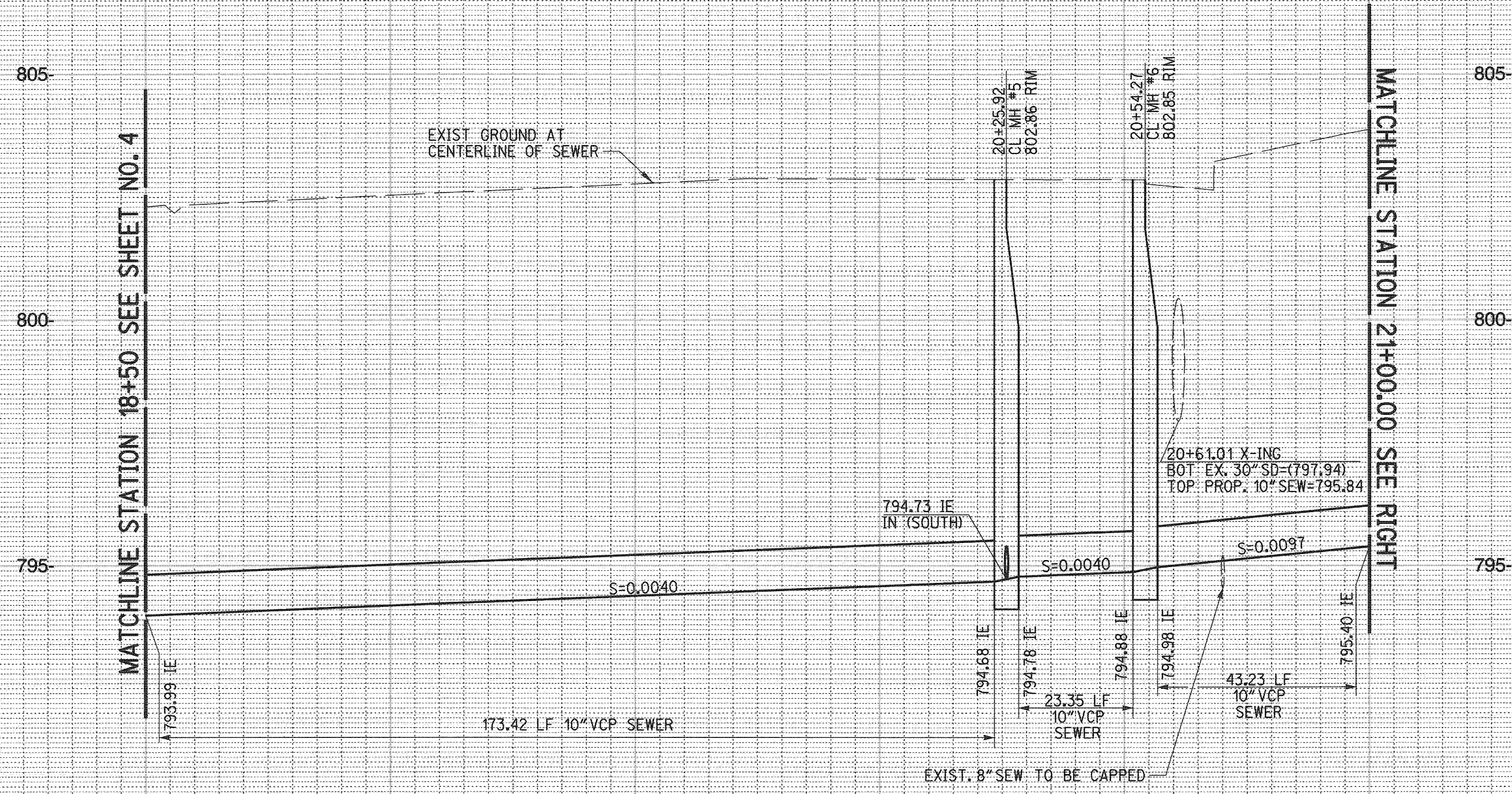
APPROVED BY: [Signature] DATE: 5/18/15
CITY ENGINEER / PUBLIC WORKS DIRECTOR

SEWER IMPROVEMENT PLAN PW15-0250
CALIFORNIA BAPTIST UNIVERSITY
LANCER LANE
14+00.00 TO 18+50.00
SCALE: HORIZ: 1"=100' VERT: N/A
SHEET 3 OF 7
FILE NO.

THIS IS A PRIVATE SEWER SYSTEM THAT IS TO BE PRIVATELY MAINTAINED

I+S 5/18/15 [Signature]

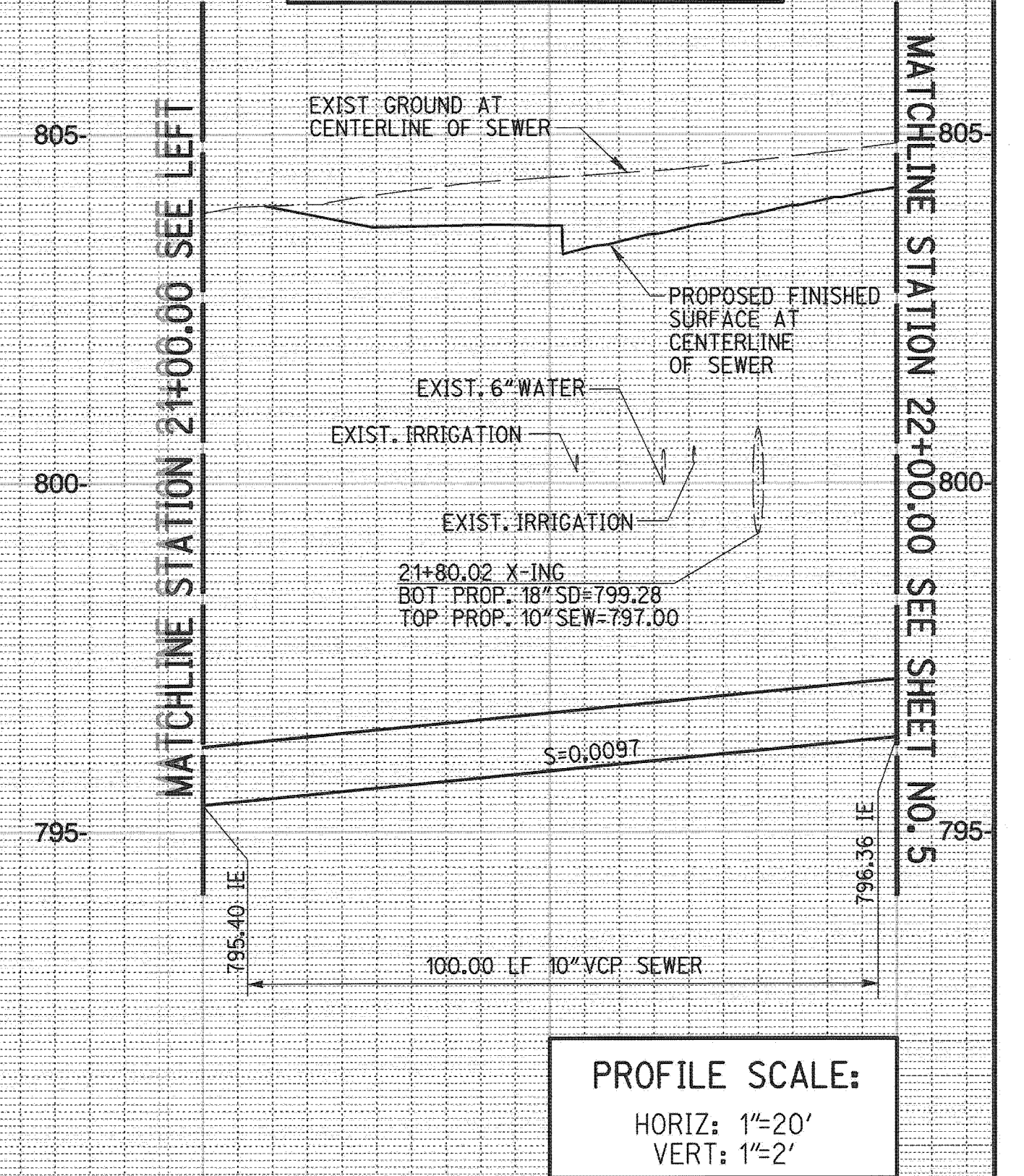
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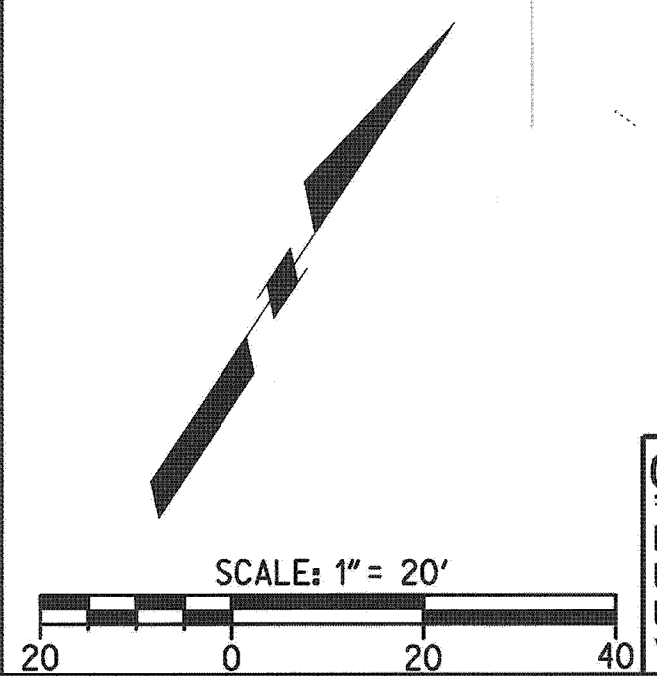
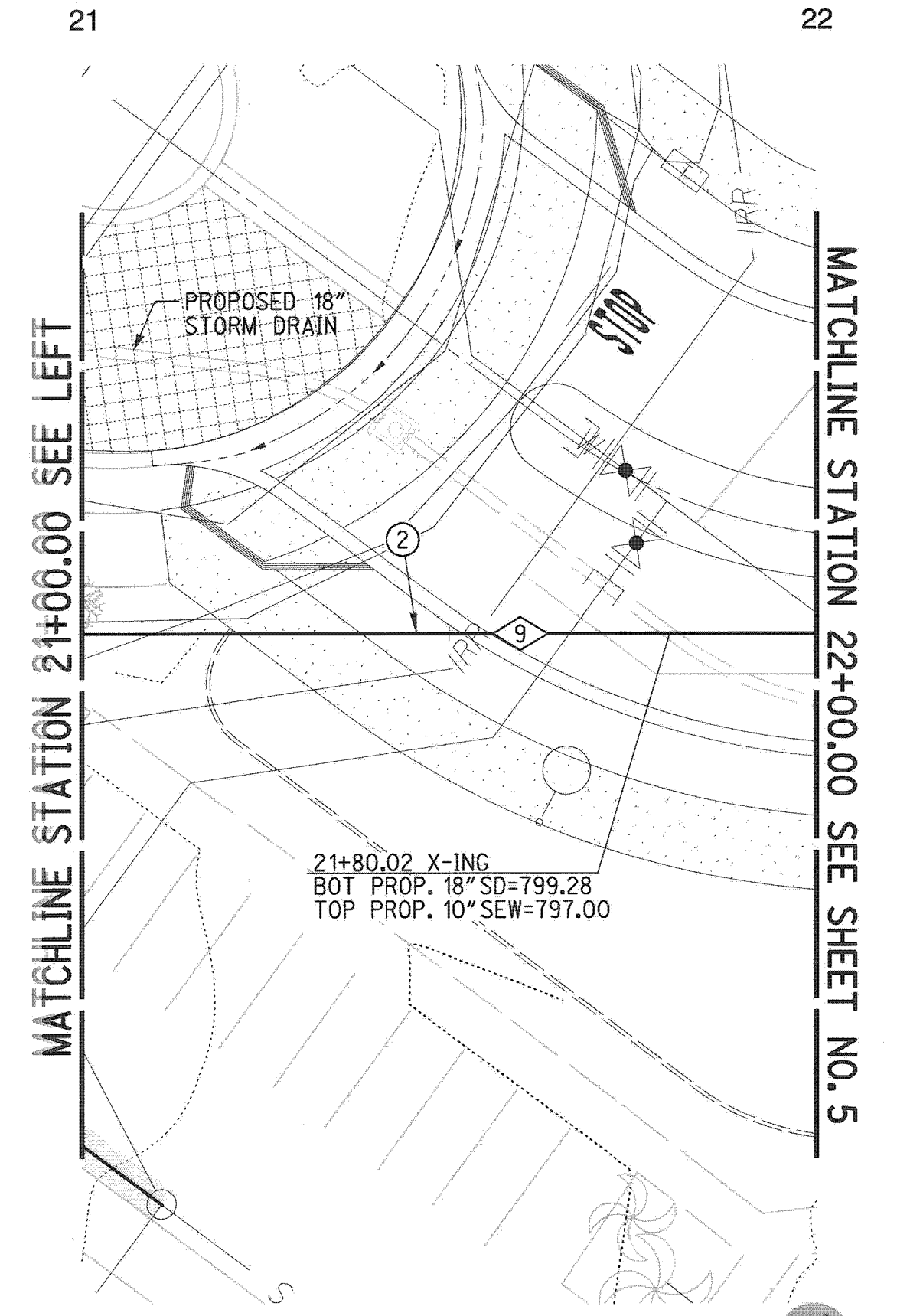
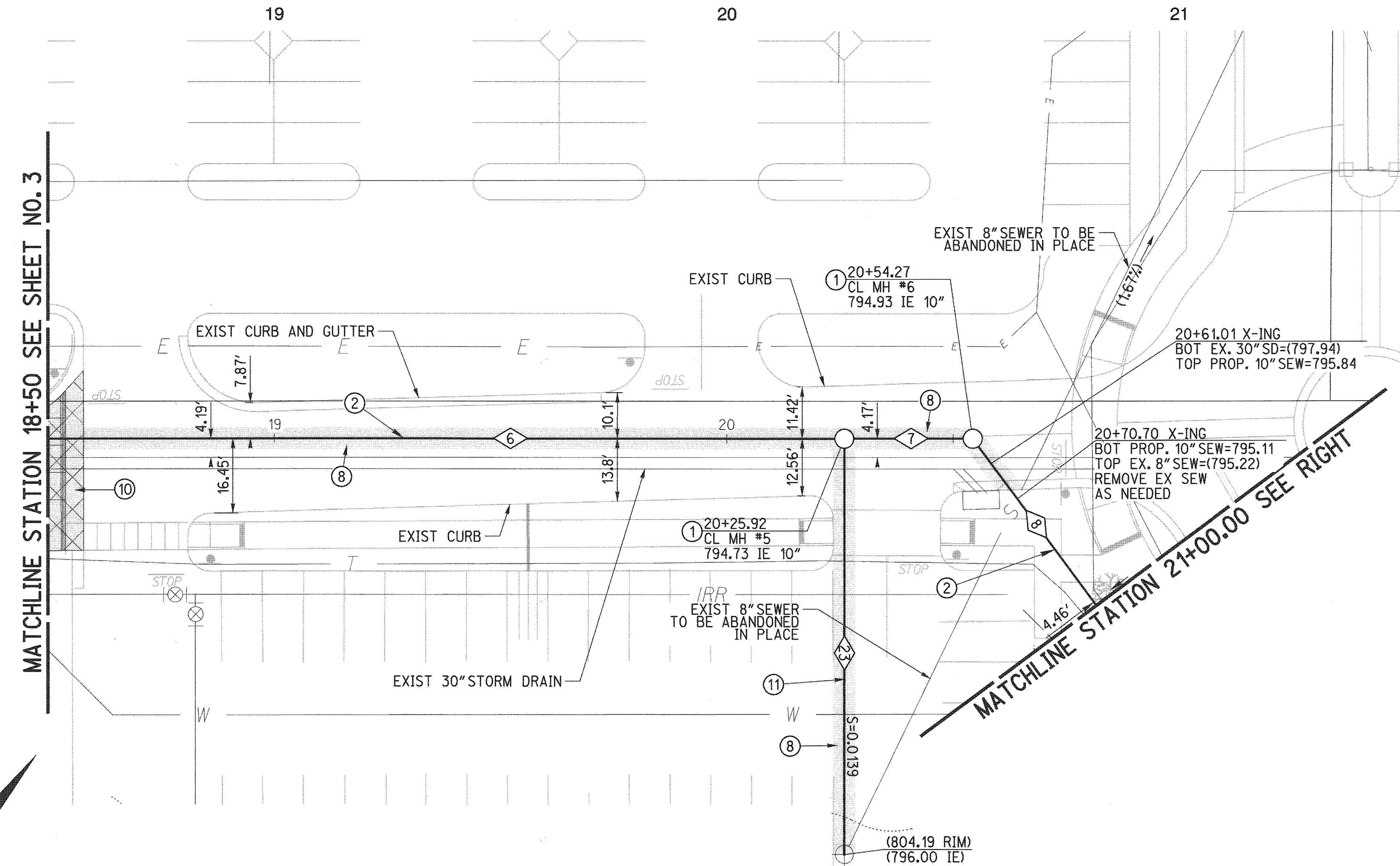
SEWER DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	TANGENT
6	N 56°23'58" E		175.93'	
7	N 56°23'58" E		28.34'	
8	N 70°10'31" W		45.73'	
9	N 70°10'31" W		100.00'	
23	N 33°36'02" W		91.44'	

- CONSTRUCTION NOTES**
- INSTALL SEWER MANHOLE PER CITY OF RIV STD 500
 - INSTALL 10" VCP SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1)
 - INSTALL 3" AC PAVEMENT OVER 11.5" CLASS II AGGREGATE BASE PER SOILS ENGINEER RECOMMENDATION
 - INSTALL ARCHITECTURAL CONCRETE TO MATCH EXISTING
 - INSTALL 8" VCP SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1)

CAUTION:
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PROFILE SCALE:
HORIZ: 1"=20'
VERT: 1"=2'



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ROBERT A. STOCKTON
No. C033591
Exp. 6-30-16
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
ROBERT A. STOCKTON
REGISTERED CIVIL ENGINEER No. C033591
EXPIRATION DATE 6-30-16

RICK ENGINEERING COMPANY
1770 IOWA AVENUE - SUITE 100
RIVERSIDE, CA 92507
951.782.0707
951.782.0723
rickengineering.com
San Diego - Orange - San Luis Obispo - Bakersfield - Sacramento - Phoenix - Tucson
CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/20/15
BENCH MARK:
CITY OF RIVERSIDE BENCHMARK G5-A2, ELEVATION=797.89', BRASS DISK
STAMPED 'G5-A' IN A MONUMENT WELL AT THE INTERSECTION OF ADAMS
STREET AND MAGNOLIA AVENUE. DATUM NGVD Z9

MARK	REVISIONS	APPR	DATE

DESIGNED BY: JB DRAWN BY: JB CHECKED BY: KW

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
PRINCIPAL ENGINEER
DATE: 5/18/15
CAPITAL PROJECTS
TRAFFIC DIVISION

SEWER IMPROVEMENT PLAN
CALIFORNIA BAPTIST UNIVERSITY
LANCER LANE
18+50.00 TO 20+00.0
SCALE
HORIZ: 1"=100' VERT: N/A

PW15-0250
S-2130
SHEET 4 OF 7
FILE NO.
PLOT DATE: 14-MAY-2015 JUN 15620BY

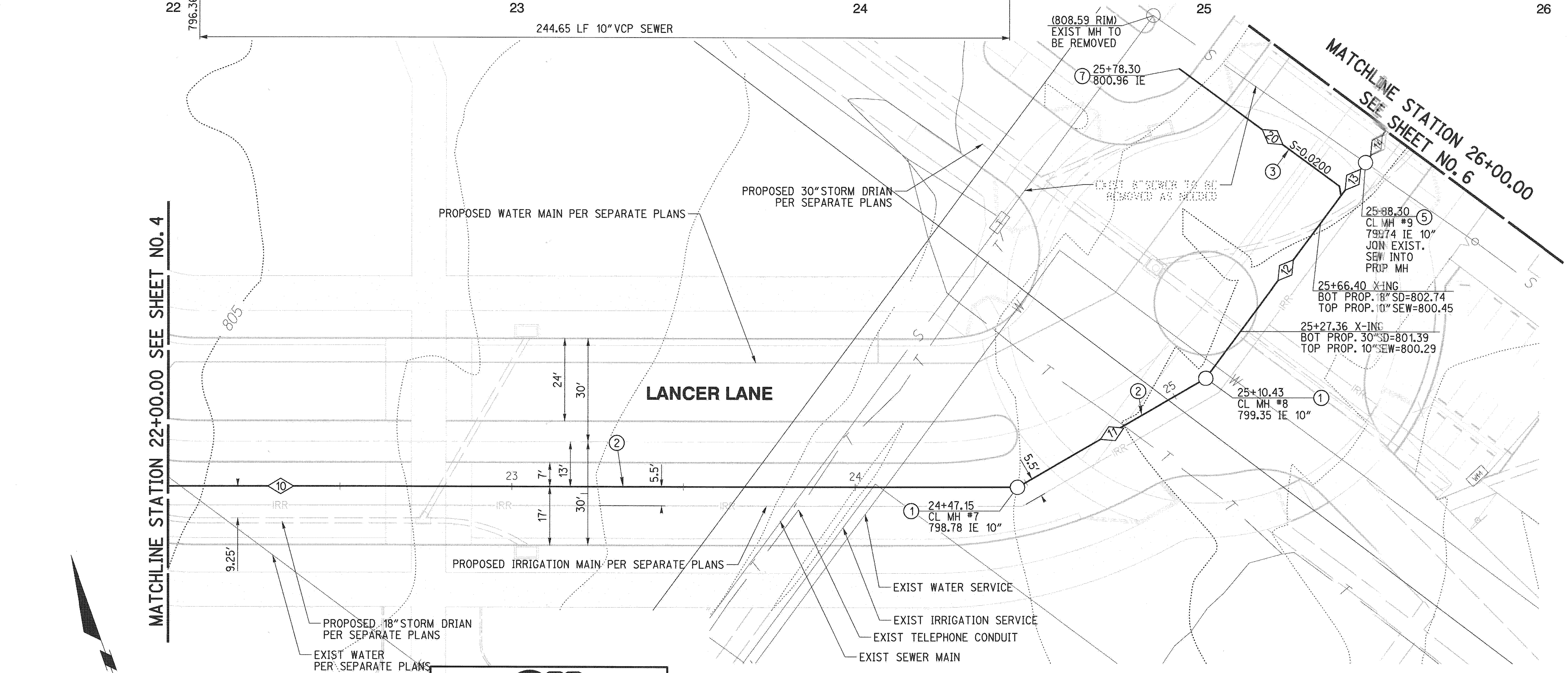
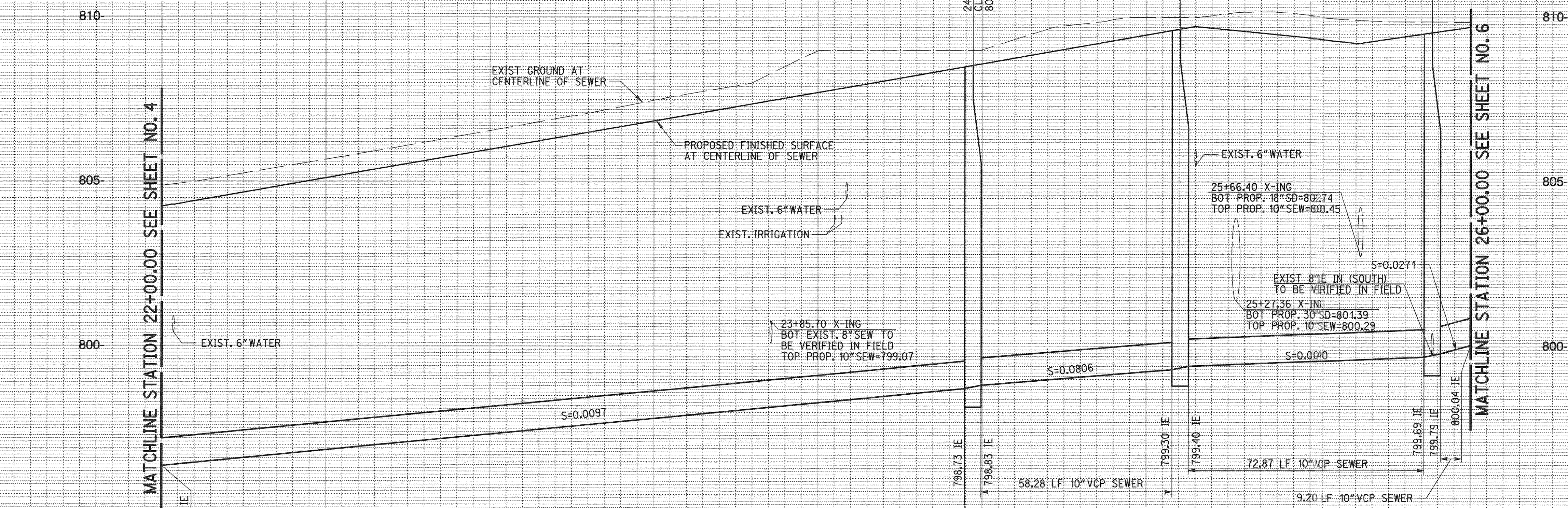
CAUTION:
EXACT LOCATION OF EXISTING UNDERGROUND FACILITIES IS UNKNOWN. CONTRACTOR TO VERIFY IN FIELD.

SEWER DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	TANGENT
①	N 70°11'31" W		247.15'	
②	N 79°49'29" E		63.28'	
③	N 56°23'27" E		67.87'	
④	N 56°23'27" E		10.00'	
⑤	N 56°23'27" E		11.70'	
⑥	N 33°59'01" W		59.87'	

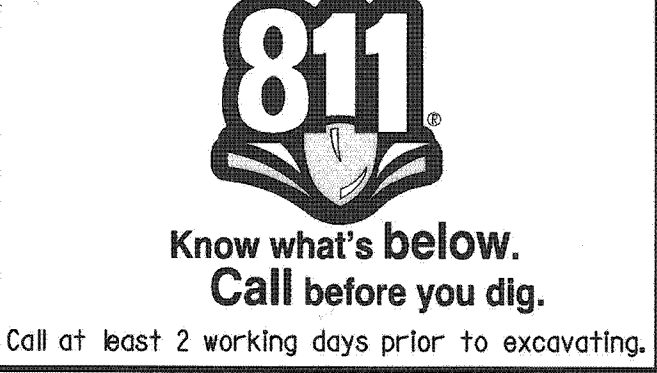
CONSTRUCTION NOTES

- ① INSTALL SEWER MANHOLE PER CITY OF RIV STD 500
- ② INSTALL 10" VCP SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1)
- ③ INSTALL 6" SEWER LATERAL PER CITY OF RIV STD 562
- ⑤ INSTALL DROP MANHOLE PER CITY OF RIV STD 503
- ⑦ INSTALL CAP AT END OF LATERAL FOR FUTURE BUILDING CONNECTION

PROFILE SCALE:
HORIZ: 1"=20'
VERT: 1"=2'



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



PREPARED UNDER THE DIRECTION OF
ROBERT A. STOCKTON
REGISTERED CIVIL ENGINEER NO. C033591
EXPIRATION DATE 6-30-16

RICK ENGINEERING COMPANY
1770 HOWA AVENUE - SUITE 100
RIVERSIDE, CA 92507
951.782.0707
(FAX) 951.782.0723
rickenr.com

MARK	REVISIONS	APPR	DATE

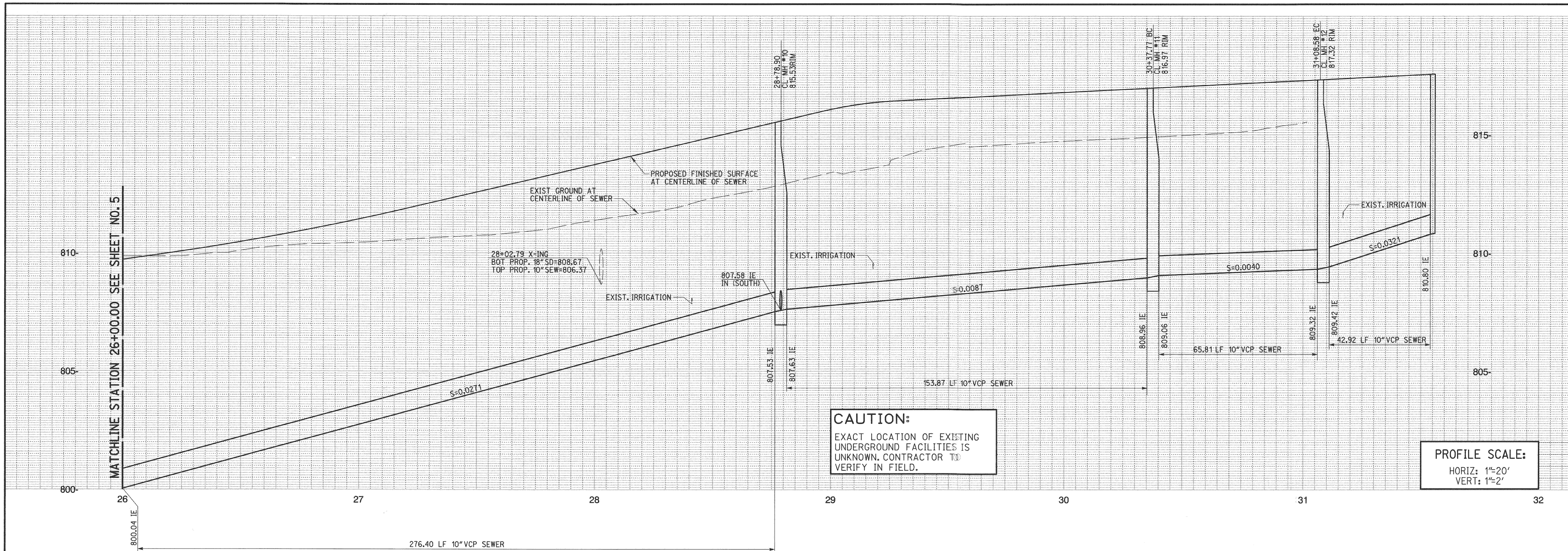
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: [Signature]
DATE: 5/18/15

SEWER IMPROVEMENT PLAN
CALIFORNIA BAPTIST UNIVERSITY
LANCER LANE
20+00.00 TO 26+00.00

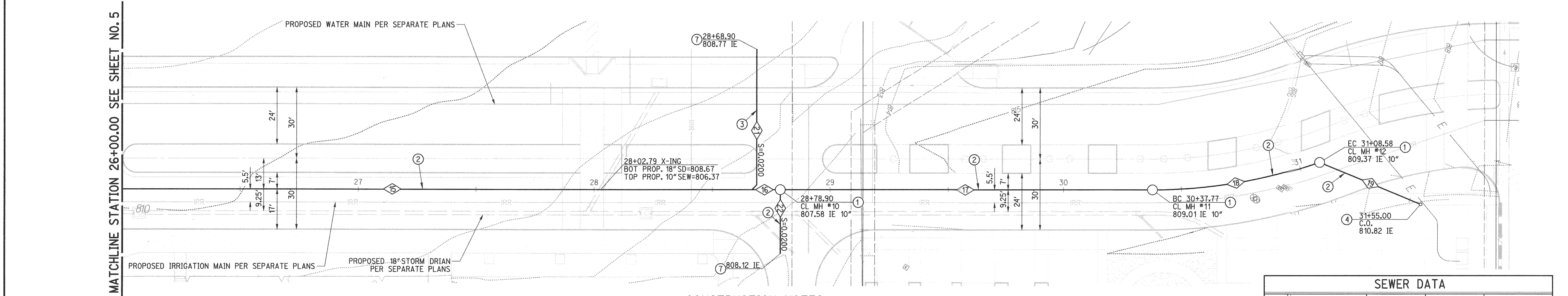
PW15-0250
S-2130
SHEET 5 OF 7

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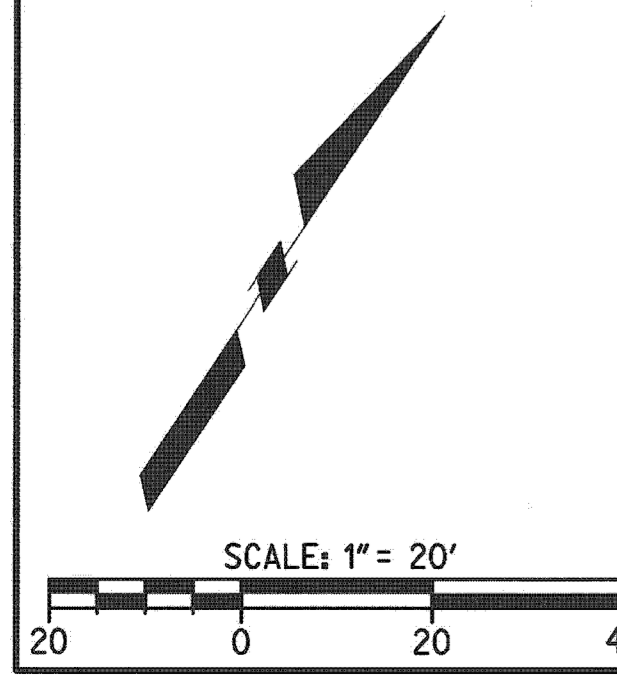
CONSTRUCTION NOTES

- ① INSTALL SEWER MANHOLE PER CITY OF RIV STD 500
- ② INSTALL 10" VCP SEWER MAIN, PIPE BEDDING PER CITY OF RIV STD 452 (CASE 1)
- ③ INSTALL 6" SEWER LATERAL PER CITY OF RIV STD 562
- ④ INSTALL SEWER CLEANOUT PER CITY OF RIV STD 560
- ⑦ INSTALL CAP AT END OF LATERAL FOR FUTURE BUILDING CONNECTION

SEWER DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	TANGENT
15	N 56°23'27" E		268.90'	
16	N 56°23'27" E		10.00'	
17	N 56°23'27" E		158.87'	
18	19°02'53"	213.00'	70.81'	35.74'
19	N 78°53'27" E		46.42'	
21	N 33°36'33" W		59.32'	
22	N 33°36'33" W		27.00'	

EXP 2/28/17

THIS IS A PRIVATE SEWER SYSTEM THAT IS TO BE PRIVATELY MAINTAINED



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
ROBERT A. STOKRYON
No. C033591
Exp. 6-30-16
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
ROBERT A. STOKRYON
REGISTERED CIVIL ENGINEER NO. C033591
EXPIRATION DATE 6-30-16

RICK ENGINEERING COMPANY
1770 KOWA AVENUE - SUITE 100
RIVERSIDE, CA 92507
951.782.0707
(FAX) 951.782.0723
rickengineering.com
Riverside San Diego - Orange - San Luis Obispo - Bakersfield - Sacramento - Phoenix - Tucson
CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 1/20/15
BENCH MARK:
CITY OF RIVERSIDE BENCHMARK G5-A2, ELEVATION=797.89', BRASS DISK STAMPED "G5-A" IN A MONUMENT WELL AT THE INTERSECTION OF ADAMS STREET AND MAGNOLIA AVENUE, DATUM NGVD 29

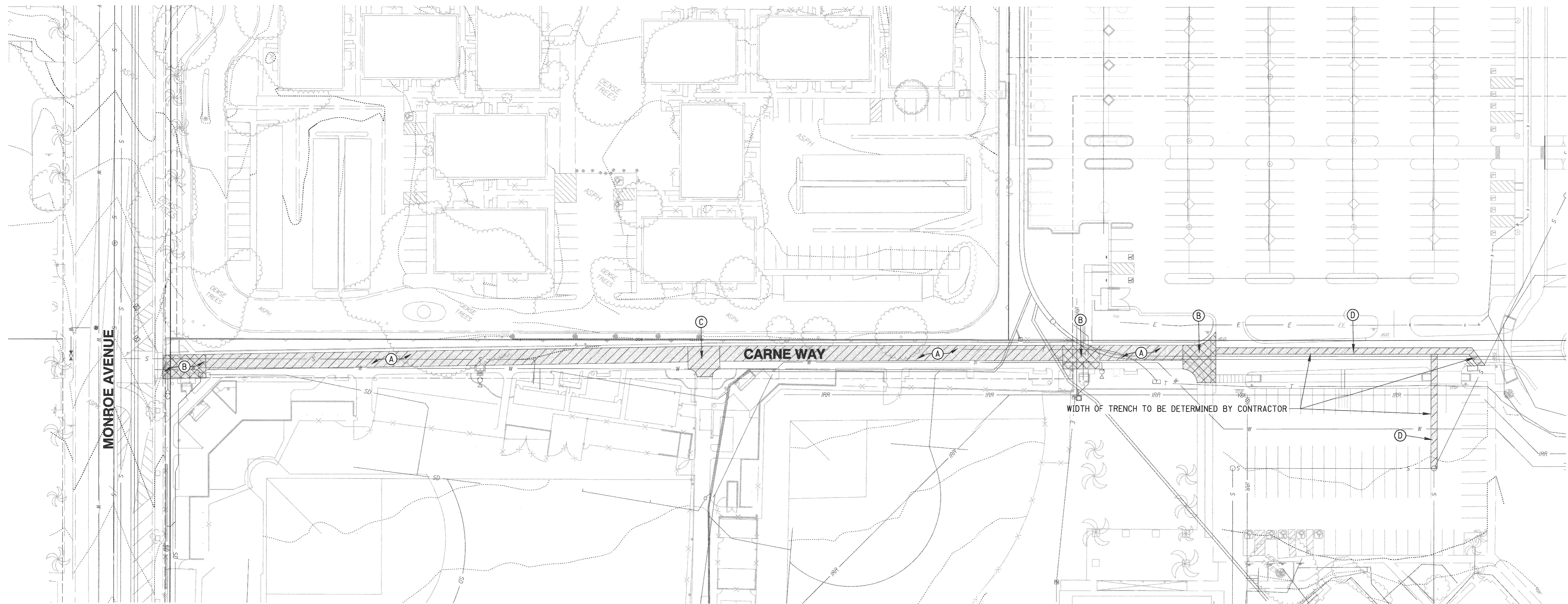
CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
PRINCIPAL ENGINEER
CAPITAL PROJECTS
TRAFFIC DIVISION
DATE: 5/18/15

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
CITY ENGINEER / P.W. DIRECTOR
DATE: 5/18/15

SEWER IMPROVEMENT PLAN
CALIFORNIA BAPTIST UNIVERSITY
LANCER LANE
26+00.00 TO 31+55.00
SCALE
HORIZ: 1"=100' VERT: N/A

PW15-0250
S-2130
SHEET 6 OF 7
FILE NO.

I+S 5/18/15 [Signature]



DEMOLITION LEGEND

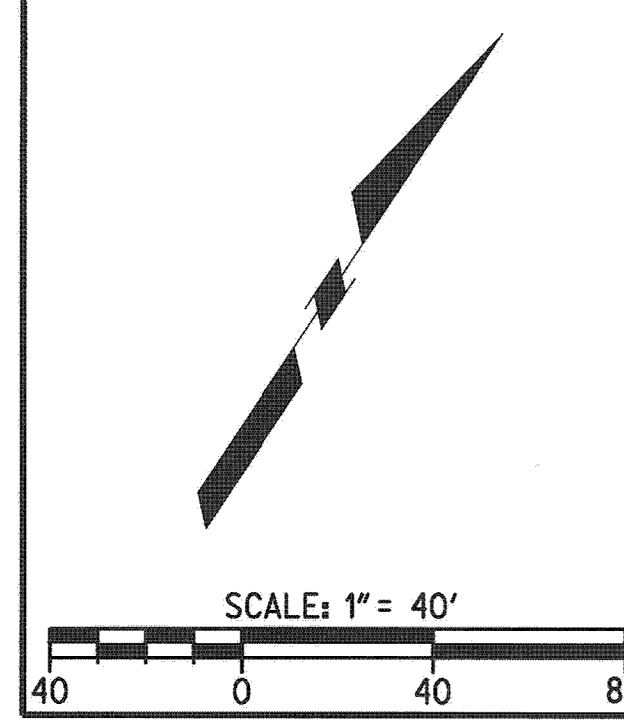
- ASPHALT/CONCRETE TO BE REMOVED
- ARCHITECTURAL CONCRETE TO BE REMOVED AND REPLACED TO MATCH EXISTING

DEMOLITION NOTES

- (A) EXISTING CONCRETE TO BE REMOVED AND REPLACED WITH ASPHALT CONCRETE
- (B) EXISTING ARCHITECTURAL CONCRETE TO BE REMOVED AND REPLACED WITH NEW ARCHITECTURAL CONCRETE TO MATCH EXISTING
- (C) EXISTING ARCHITECTURAL CONCRETE TO BE REMOVED AND REPLACED WITH ASPHALT CONCRETE
- (D) EXISTING ASPHALT TO BE REMOVED AND REPLACED WITH ASPHALT CONCRETE

Stamp: EAP 2/12/15

*** THIS IS A PRIVATE SEWER SYSTEM THAT IS TO BE PRIVATELY MAINTAINED ***



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

811
Know what's below.
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REGISTERED PROFESSIONAL ENGINEER
ROBERT A. STOCKTON
No. C033591
Exp. 6-30-16
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE DIRECTION OF
ROBERT A. STOCKTON
REGISTERED CIVIL ENGINEER NO. C033591
EXPIRATION DATE 6-30-16

RICK ENGINEERING COMPANY
1770 IOWA AVENUE - SUITE 100
RIVERSIDE, CA 92507
951.782.0707
FAX 951.782.0723
rickenengineering.com
San Diego - Orange - San Luis Obispo - Redwood City - Sacramento - Phoenix - Tucson

CITY BUSINESS TAX CERTIFICATE NO. 35225 EXP. DATE 7/20/15
BENCH MARK:
CITY OF RIVERSIDE BENCHMARK G5-A2, ELEVATION=797.89'. BRASS DISK STAMPED "G5-A" IN A MONUMENT WELL AT THE INTERSECTION OF ADAMS STREET AND MAGNOLIA AVENUE. DATUM NGVD 29

MARK	REVISIONS	APPR	DATE
DESIGNED BY	JB	DRAWN BY	JB
CHECKED BY	KW		

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY	BY	DATE
PRINCIPAL ENGINEER	EA	5/18/15
CAPITAL PROJECTS	JM	5/18/15
TRAFFIC DIVISION	EA	5/18/15

APPROVED BY
Signature
CITY ENGINEER / P.W. DIRECTOR
DATE 5/18/15

SEWER IMPROVEMENT PLAN
CALIFORNIA BAPTIST UNIVERSITY
LANCER LANE
DEMOLITION PLAN

SCALE
HORIZ: 1"=40' VERT: N/A

PW15-0250
S-2130
SHEET 7 OF 7
FILE NO.