

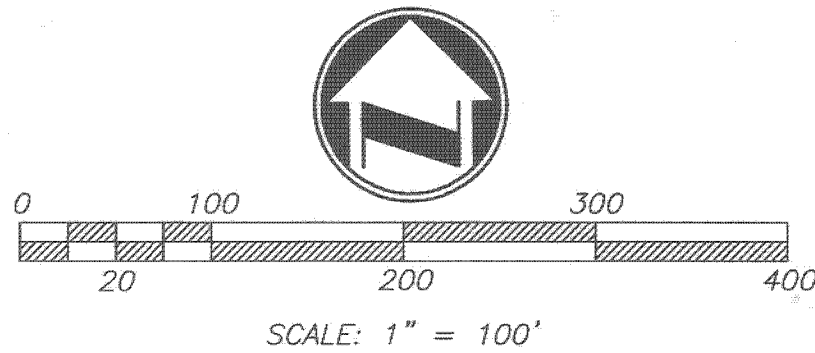
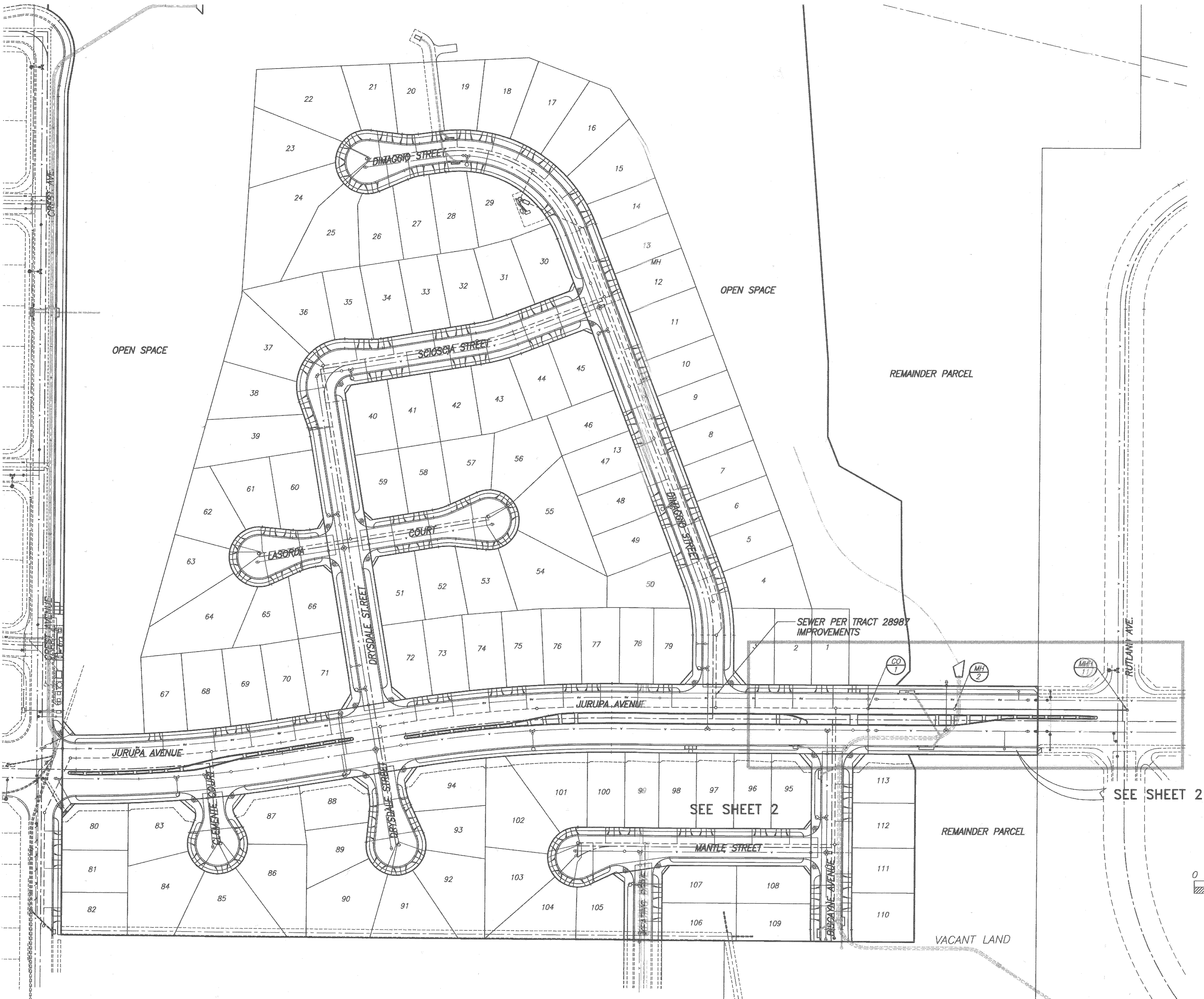
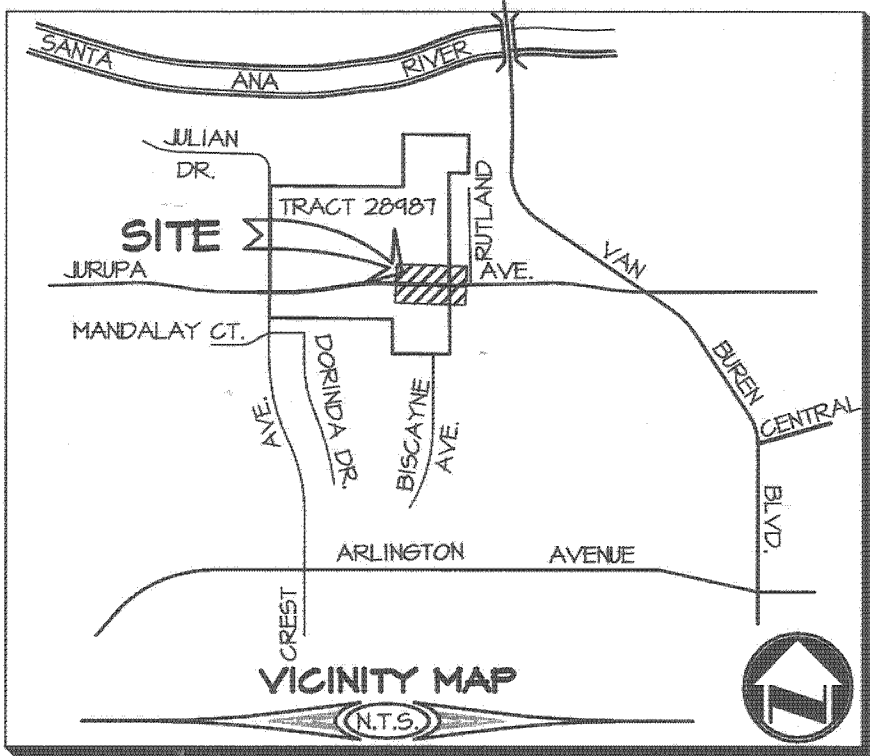
SEWER IMPROVEMENT PLAN FOR:
JURUPA AVENUE EXTENSION
RIVERSIDE, CA.

LEGEND

BLDG.	BUILDING	GB	GRADE BREAK	TC	TOP OF CURB
CB	CATCH BASIN	H.C.	HANDICAPPED	TEL.	TELEPHONE
CHLK	CHAIN LINK FENCE	HP	HIGH POINT	TG	TOP OF GRATE
C&G	CURB AND GUTTER	INV.	INVERT OF PIPE	TF	TOP OF FOOTING
C.L.	CENTERLINE	LP	LOW POINT	TW	TOP OF WALL
CONC.	CONCRETE	MH	MAN HOLE	W	WATER
D.W.	DRIVEWAY	P.P.	POWER POLE		
EP	EDGE OF PAVEMENT	R.D.	ROOF DRAIN		
EXIST.	EXISTING	R.O.W.	RIGHT-OF-WAY		
FF	FINISHED FLOOR	SWR	SEWER		
FL	FINISHED FLOOR	S/W	SEWER		
FL	FINISHED FLOOR	STD.	STANDARD		
FS	FINISHED SURFACE				

GENERAL NOTES

1. 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.
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. THE DEVELOPER SHALL BE RESPONSIBLE FOR PRESERVING OR REESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTURBED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
7. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
8. 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.
9. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
10. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
11. 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.
12. 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.
13. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.



CONSTRUCTION NOTES AND QUANTITY ESTIMATE

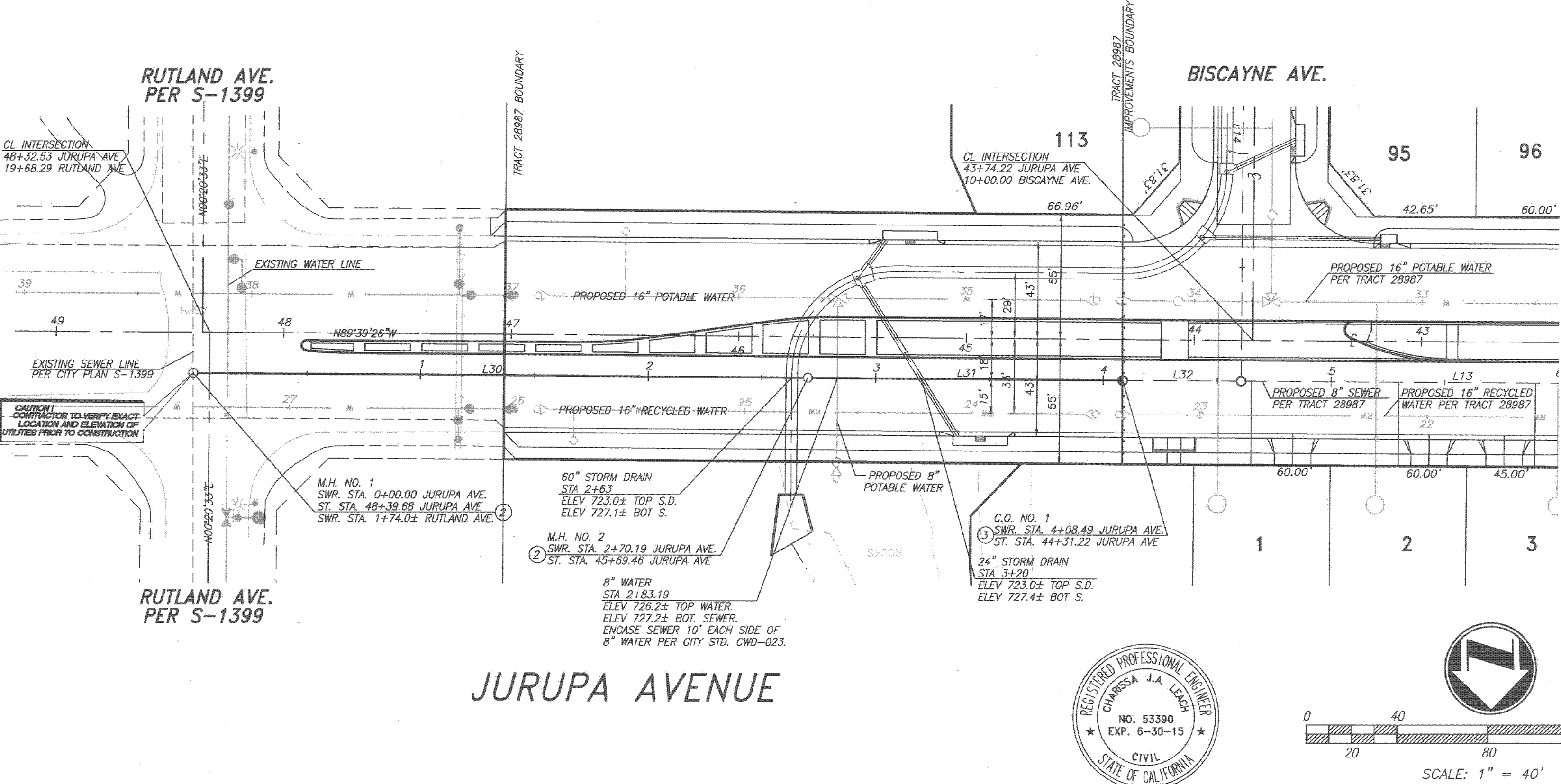
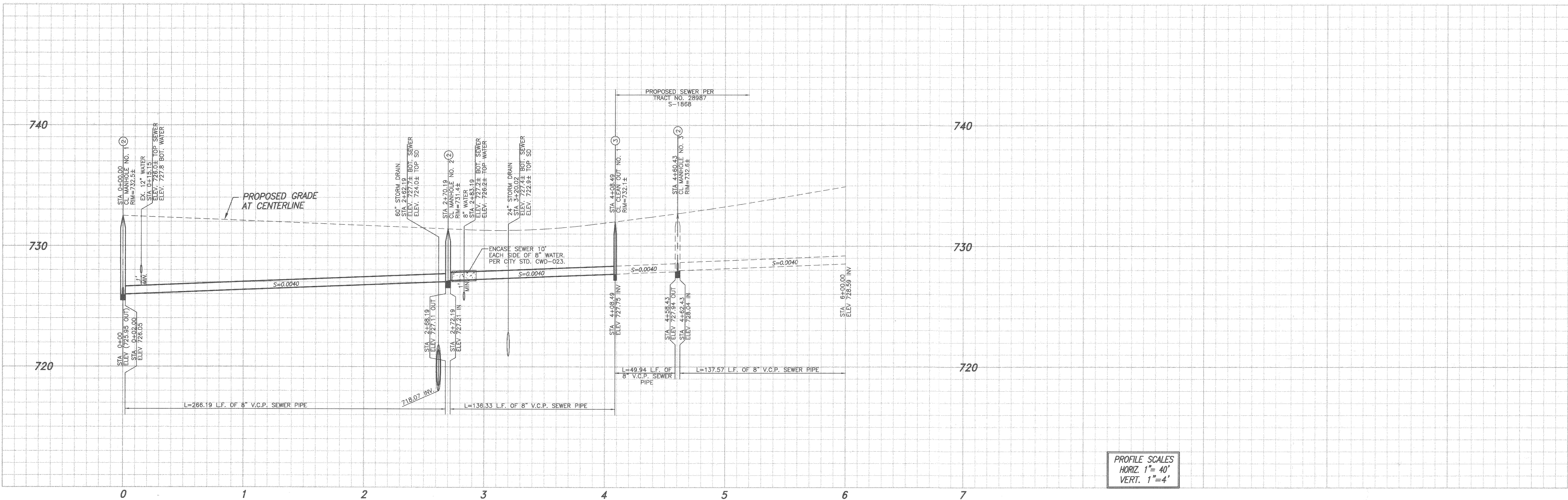
THE QUANTITIES SHOWN BELOW ARE FOR BONDING INFORMATION ONLY. THE CONTRACTOR IS TO CONSTRUCT PROJECT PER THESE PLANS AND SUBMIT CONSTRUCTION BID BASED ON THEIR OWN QUANTITY "TAKE-OFF".

- | | | |
|---|--|--------|
| 1 | CONSTRUCT 8" V.C.P. SEWER WITH CASE III BEDDING PER CITY STD. DWG. NO. 452 | 408 LF |
| 2 | CONSTRUCT MANHOLE PER CITY STD. DWG. 500 | 2 EA |
| 3 | CONSTRUCT 8" CLEANOUT PER CITY STD. DWG. 560 | 1 EA |



CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP. 1/1/15

RIVERSIDE PUBLIC UTILITIES- WATER		811 Know what's below. Call before you dig.		PLAN PREPARED BY: adkan ENGINEERS CIVIL ENGINEERING • SURVEYING • PLANNING 6879 AIRPORT DRIVE, RIVERSIDE, CA 92504 TEL: (951) 698-2241 FAX: (951) 643-9370 DATE: 6/30/14 UNDER THE SUPERVISION OF: R.C.E. #8390 6/30/15		BENCHMARK: H3-D3 CITY OF RIVERSIDE BENCH MARK TRANSFER: SET CHISLED "X" IN THE TOP OF EASTERLY BASE BOLT OF AN 18" DIAMETER TRAFFIC SIGNAL POLE AT THE NORTHEASTLY CURB RETURN OF JURUPA AVENUE AND VAN BUREN BOULEVARD. H3-D3-TRANSFER. DATUM: 1929 ELEVATION: 726.212		CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT APPROVED BY: [Signature] ENGINEERING MANAGER CAPITAL PROJECTS DATE: 6/15/15 DESIGNED BY: Rick DRAWN BY: Rick CHECKED BY: C-		SEWER PLAN AND PROFILE JURUPA AVENUE EXTENSION TITLE SHEET AND INDEX MAP HORIZ. SCALE: AS SHOWN VERT. SCALE: N/A PW13-0471 ACCOUNT NO. S-2115 SHEET 1 OF 2 J.N. 8489	
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LINE TABLE		
LINE	LENGTH	DIRECTION
L30	270.19	N89° 39' 26"W
L31	138.30	N89° 39' 26"W
L32	51.94	N89° 39' 26"W
L13	192.45	N89° 39' 26"W

- CONSTRUCTION NOTES:**
- 1. CONSTRUCT 8" V.C.P. SEWER WITH CASE III BEDDING PER CITY STD. DWD. NO. 452
 - 2. CONSTRUCT MANHOLE PER CITY STD. DWD. 500
 - 3. CONSTRUCT 8" CLEANOUT PER CITY STD. DWD. 560

RIVERSIDE PUBLIC UTILITIES- WATER

Reviewed for Conflicts By: *7-17-2014*

DATE: *7-17-2014*

811

Know what's below.
Call before you dig.

PLAN PREPARED BY:

adkan ENGINEERS

CIVIL ENGINEERING • SURVEYING • PLANNING

6879 AIRPORT DRIVE, RIVERSIDE, CA 92504

TEL: (951) 598-0241 FAX: (951) 343-9370

DATE: *6/20/14*

UNDER THE SUPERVISION OF: P.C.E. 53390 6/30/18

BENCHMARK: H3-D3

CITY OF RIVERSIDE

BENCH MARK TRANSFER:

SET CHISLED "X" IN THE TOP OF EASTERLY BASE BOLT OF AN 18" DIAMETER TRAFFIC SIGNAL POLE AT THE NORTHEASTERLY CURB RETURN OF JURUPA AVENUE AND VAN BUREN BOULEVARD.

H3-D3-TRANSFER.

DATUM: 1929

ELEVATION: 726.212

APPROVED BY: *[Signature]* DATE: *6/15/15*

ENGINEERING MANAGER

CAPITAL PROJECTS

APPROVED BY: *[Signature]* DATE: *6/15/15*

CITY ENGINEER / P.W. DIRECTOR

DESIGNED BY: *Rick* DRAWN BY: *Rick* CHECKED BY: *C-*

CITY OF RIVERSIDE

PUBLIC WORKS DEPARTMENT

SEWER PLAN AND PROFILE

JURUPA AVENUE EXTENSION

STA. 0+00 TO STA. 4+08.52

HORIZ. SCALE: AS SHOWN VERT. SCALE: N/A

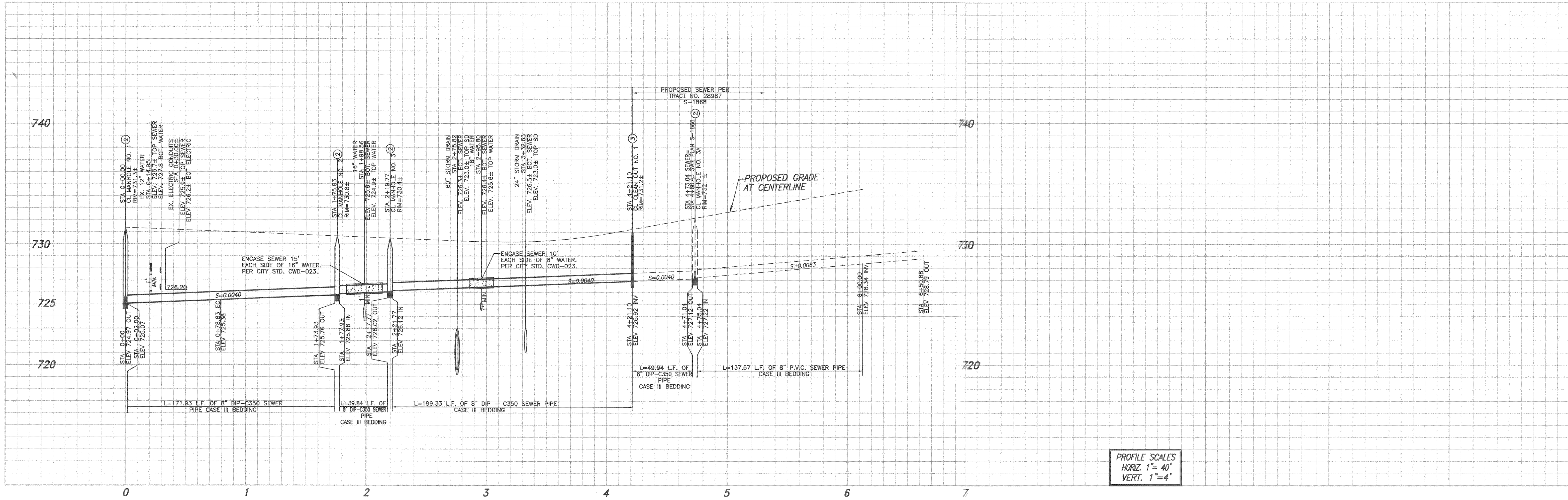
PW13-0471

ACCOUNT NO.

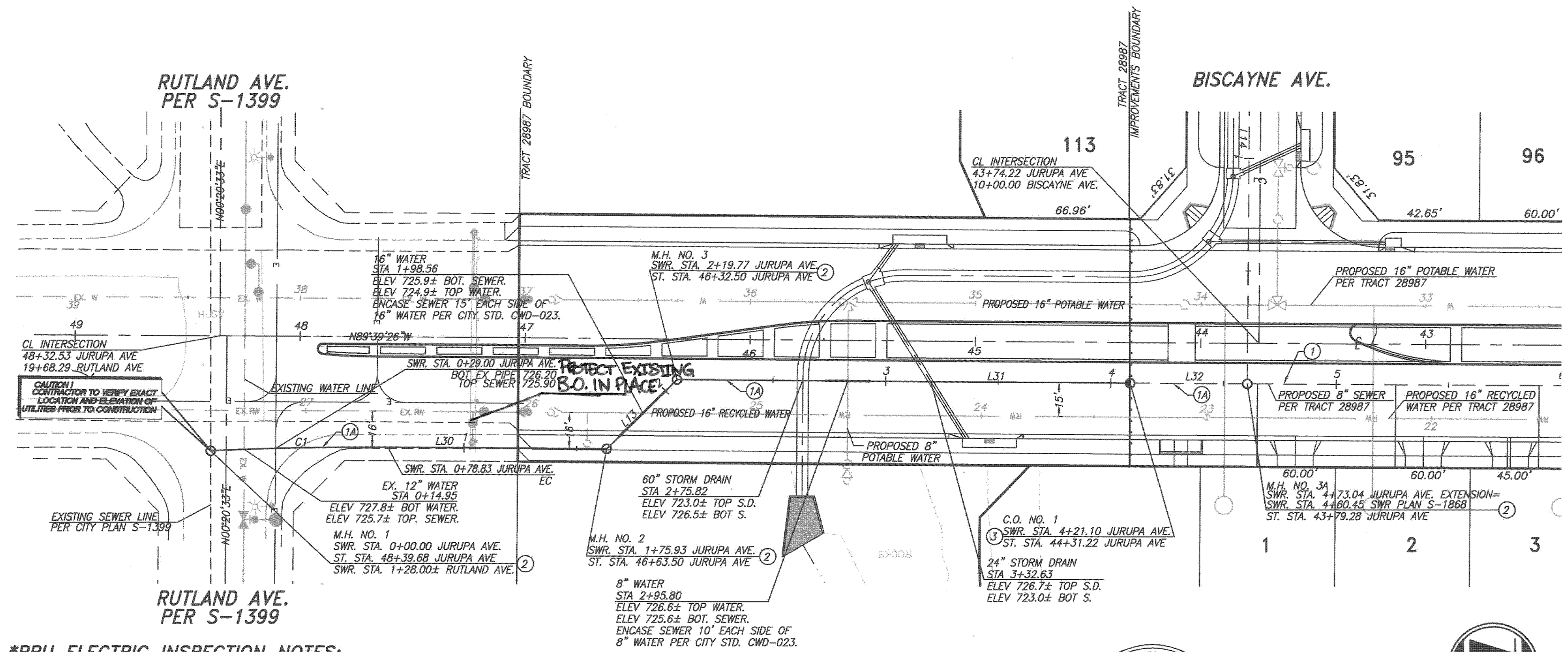
S-2115

SHEET 2 OF 2

J.N. 8489



PROFILE SCALES
HORIZ. 1"= 40'
VERT. 1"= 4'



***RPU ELECTRIC INSPECTION NOTES:**

1. CONTRACTOR SHALL REQUEST AN INSPECTION FROM RPU ELECTRIC FOR INSPECTION OF 2 SAC SLURRY MIX AROUND EXISTING ELECTRICAL CONDUITS AT ELECTRICAL CROSSING LOCATION.
2. CONTRACTOR SHALL CONTACT INSPECTOR 48 HOURS PRIOR TO INSPECTION.
3. CONTRACTOR TO REFER TO UGS 100.1 FOR ENCASEMENT AND BACKFILL SPECIFICATIONS FOR ELECTRICAL CROSSING LOCATION.

LINE TABLE		
LINE	LENGTH	DIRECTION
L30	97.10	N89° 39' 26"W
L31	201.33	N89° 39' 26"W
L32	51.94	N89° 39' 26"W
L13	43.84	N45° 20' 34"E

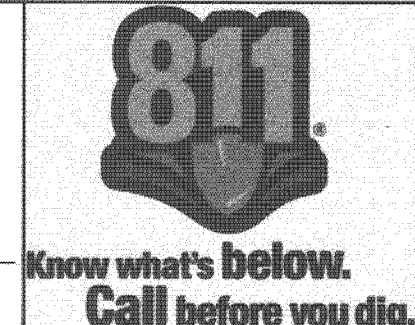
CURVE TABLE				
CURVE	LENGTH	DELTA	TAN	RAD
C1	78.83	N88° 50' 14"E	39.43	1451.73

CONSTRUCTION NOTES:

1. CONSTRUCT 8" P.V.C. SEWER PER CITY STD. DWG. NO. 452
2. CONSTRUCT 8" D.I.P. CG-350 SEWER CASE III BEDDING PER CITY STD. DWG. NO. 452
3. CONSTRUCT MANHOLE PER CITY STD. DWG. 500
4. CONSTRUCT 8" CLEANOUT PER CITY STD. DWG. 560

RIVERSIDE PUBLIC UTILITIES- WATER

REVIEWED FOR CONFLICTS BY: *[Signature]* DATE: 5/1/2015



PLAN PREPARED BY:
adkan ENGINEERS
CIVIL ENGINEERING-SURVEYING-PLANNING
6879 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (951) 688-0241 FAX: (951) 343-9370
DATE: 5/1/15
UNDER THE SUPERVISION OF: R.C.E. 53390 6/30/15

BENCHMARK: H3-D3
CITY OF RIVERSIDE
BENCH MARK TRANSFER:
SET CHISLED "X" IN THE TOP OF EASTERLY BASE BOLT OF AN 18" DIAMETER TRAFFIC SIGNAL POLE AT THE NORTHEASTLY CURB RETURN OF JURUPA AVENUE AND VAN BUREN BOULEVARD.
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DATE: 1929
ELEVATION: 726.212

DESIGNED BY: Rick DRAWN BY: Rick CHECKED BY: C-

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT

APPROVED BY: *[Signature]* DATE: 5/1/15
ENGINEERING MANAGER
CAPITAL PROJECTS

APPROVED BY: *[Signature]* DATE: 5/1/15
CITY ENGINEER / P.W. DIRECTOR

SEWER PLAN AND PROFILE
JURUPA AVENUE EXTENSION
STA. 0+00 TO STA. 4+08.52
HORIZ. SCALE: AS SHOWN VERT. SCALE: N/A

PW13-0471
ACCOUNT NO.
S-2115
SHEET 2A OF 2
J.N. 8489