



RIVERSIDE CALIFORNIA

PUBLIC WORKS DEPARTMENT JURUPA AVENUE EXTENSION PHASE 1

FROM 610' WESTERLY OF VAN BUREN TO VAN BUREN BLVD.

SPECIFIC CONSTRUCTION NOTES

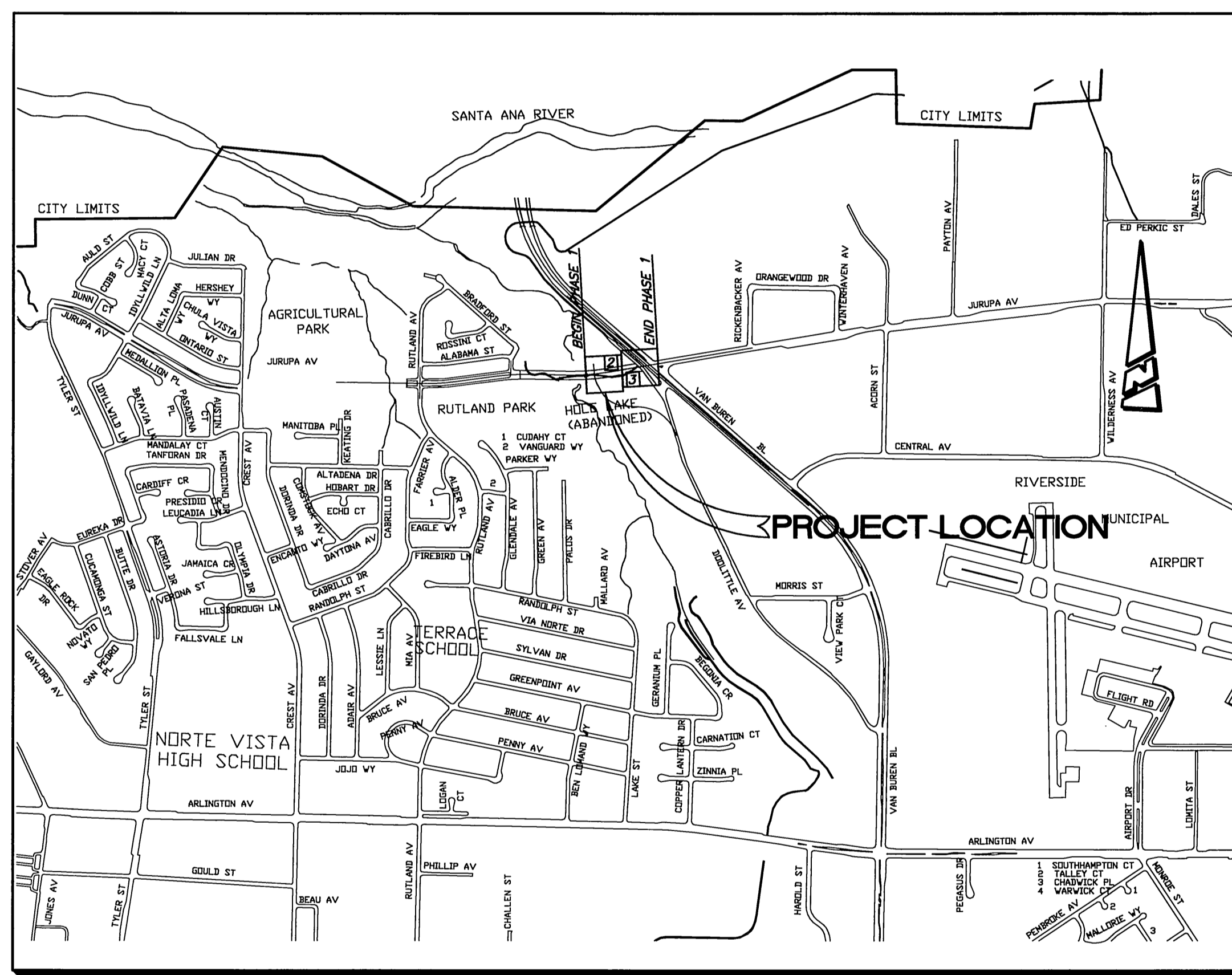
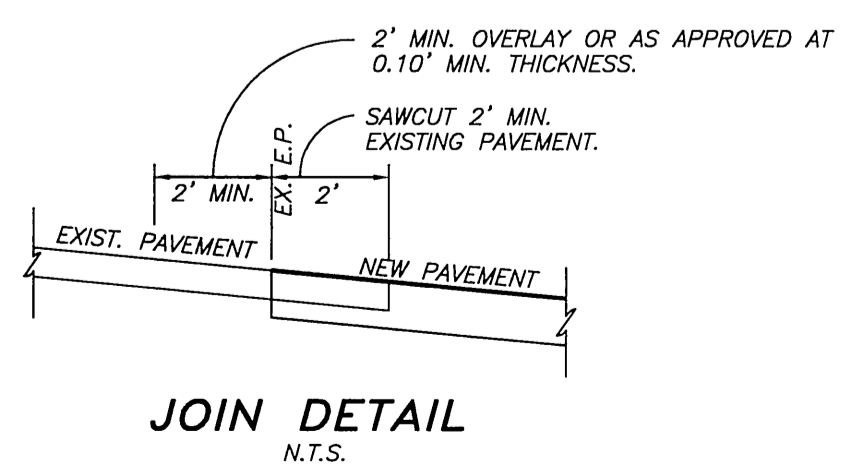
- NUMBERS ABOVE 100 IN A HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWING AND SHALL BE CONSTRUCTED ACCORDINGLY. UNLESS MODIFICATIONS ARE NOTED ON THE PLAN OR COVER SHEET. ANY NUMBER SHOWN BELOW THE STANDARD DRAWING NUMBER INDICATES THE SPECIFIC ALTERNATE TO BE CONSTRUCTED.
- CONSTRUCT ROADWAY STRUCTURAL SECTION OF 0.1' OF ARHM-66 OVER 0.5' D.G.A.C. OVER 0.9' C.A.B. OVER COMPACTED NATIVE SOIL. (DOES NOT INCLUDE RUBBERIZED CAP TO BE INSTALLED AS PART OF PHASE II)
- CONSTRUCT BIKE TRAIL STRUCTURAL SECTION OF 0.5' D.G.A.C. OVER COMPACTED NATIVE SOIL.
- CONSTRUCT EQUESTRIAN TRAIL STRUCTURAL SECTION OF WAX POLYMER PAVEMENT PER CITY SPECIFICATIONS SHOWN IN SPECIAL PROVISIONS.
- ADJUST WATER GATE VALVE TO GRADE.
- WATER FACILITY TO BE RELOCATED BY PUBLIC UTILITIES DEPARTMENT, WATER DIVISION.
- ADJUST SEWER, STORM DRAIN, ELECTRIC OR WATER MANHOLE TO GRADE.
- POWER POLE TO BE RELOCATED BY SOUTHERN CALIFORNIA EDISON/ CITY OF RIVERSIDE P.U. DEPT..
- SAW CUT AND JOIN EXISTING PAVEMENT PER DETAIL HEREON.
- INSTALL 2"x4" REDWOOD HEADER
- INSTALL RIP RAP PAD (NO. 2 BACKING, THICKNESS=1.0') DIMENSIONS SHOWN ON PLAN
- CONSTRUCT 4" THICK STAMPED CONCRETE MEDIAN PAVING
- INSTALL PVC TRAIL FENCE PER CITY PARK AND RECREATION DEPARTMENT DETAIL NO. 9
- ELECTRIC FACILITIES TO BE RELOCATED BY OTHERS, PER CITY OF RIVERSIDE PUBLIC UTILITIES DEPT. - PROJCT NO. 090021-04
- INSTALL P.V.C. PIPE, SIZE AS INDICATED
- REMOVE ITEM AS INDICATED
- INSTALL 2" WATER SERVICE PER CITY OF RIVERSIDE PUBLIC UTILITIES WATER DEPARTMENT'S STD. DWG. 601 WITH LANDSCAPE METER.
- POINT OF CONNECTION, UTILITY AS INDICATED
- INSTALL 2" CONDUIT WITH 3-#8 CU THW WIRES. CONTRACTOR TO PROVIDE 2 FEET OF WIRE BEYOND CONDUIT END AT AGS BOX AND 4 FEET OF WIRE AT CONTROLLER

GENERAL CONSTRUCTION NOTES

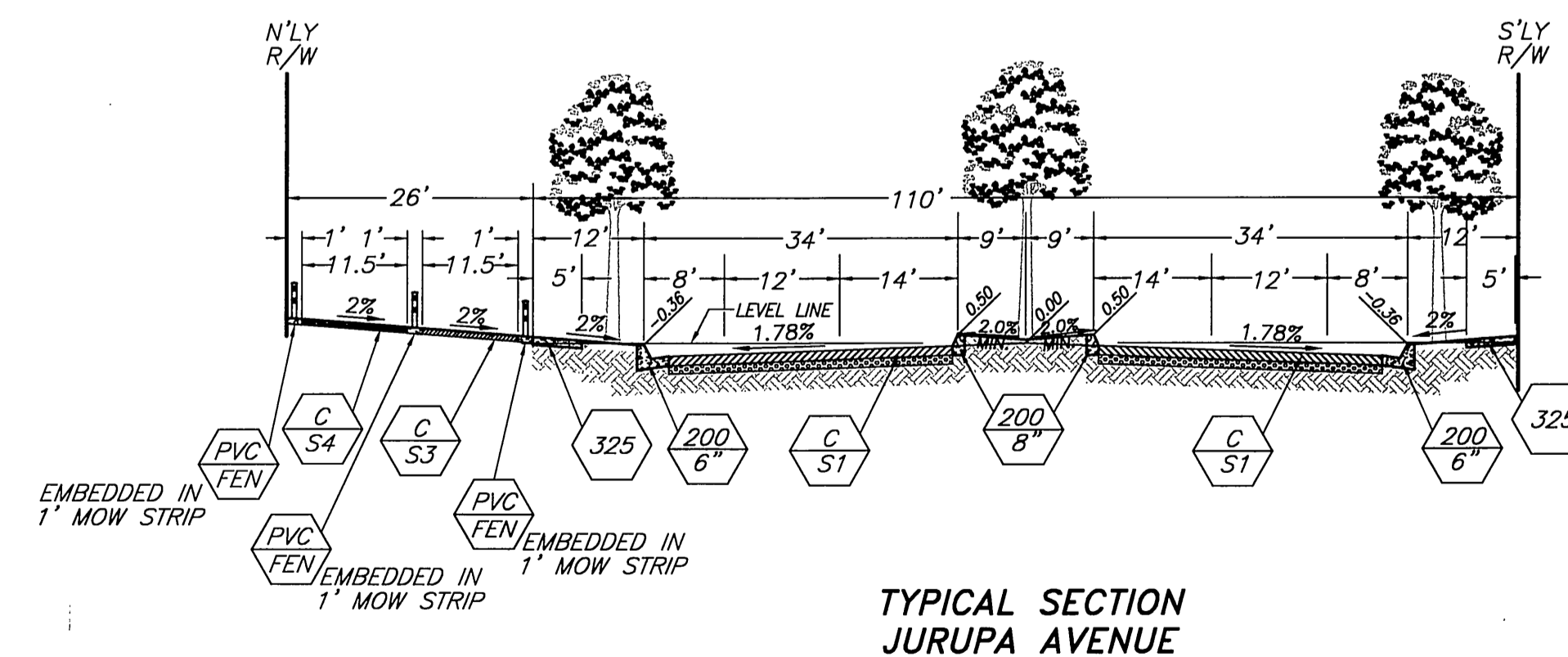
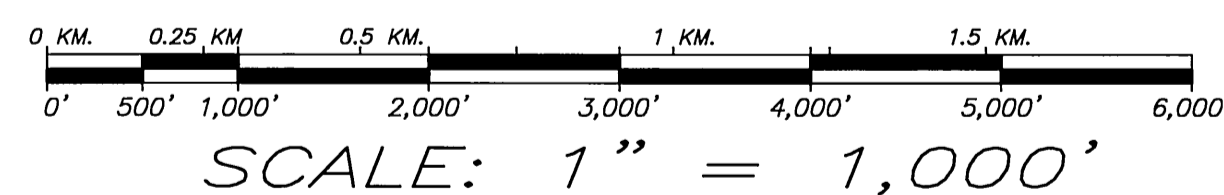
- 1 CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF RIVERSIDE STANDARD DWGS AND STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
- 2 ALL ELEVATIONS SHOWN ON THE PLAN VIEW SHALL BE STAKED IN THE FIELD.
- 3 PRIME CONTRACTOR BIDDING THIS WORK SHALL HAVE A CLASS "A" or "C-34" LICENSE.
- 4 EXISTING UTILITIES SHOWN ON THIS PLAN ARE PLOTTED FROM UTILITY RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO LOCATE AND PROTECT ALL UTILITIES WHETHER OR NOT SHOWN ON THIS PLAN. IF THE COVER OF A UTILITY IS KNOWN, IT IS SHOWN IN THE PROFILE. UTILITIES SHOWN IN THE PROFILE AS INDICATES THAT THE COVER IS UNKNOWN, BUT THE UTILITY IS NOT EXPECTED TO CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- 5 TRIM EDGE OF EXISTING PAVEMENT WHERE NEW PAVEMENT JOINS, TO A SMOOTH STRAIGHT LINE.

LEGEND

- | | |
|------------------------------|-----------------------------------|
| SANITARY SEWER — 8"S | ABANDONED UTILITY — 12"W (ABAN'D) |
| WATER LINE — 16"W | TELEPHONE CONDUIT — T |
| RECLAIMED WATER — 12" REC. W | ELECTRICAL CONDUIT — E |
| STORM DRAIN — 24" RCP | TRAFFIC SIGNAL — SIG |
| GAS LINE — 3"G | STREET BARRICADE |
| DAYLIGHT | |
| STREET LIGHT (UPRIGHT) | STREET LIGHT ON MAST ARM |
| SANITARY SEWER MANHOLE | SAWCUT AND JOIN |
| LANDSCAPED AREA | PORTLAND CEMENT CONCRETE |
| DECORATIVE CONCRETE | ASPHALTIC CONCRETE |
| P.I.P. PROTECT IN PLACE | EXISTING BIKE TRAIL TO BE REMOVED |
| FIRE HYDRANT | IRRIGATION CONTROLLER |
| LANDSCAPE IRRIGATION METER | P.O.C. POINT OF CONNECTION |



PROJECT LOCATION MAP



Underground Service Alert

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TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
CASSIUS J.A. LEON
No. 53390
EXP. 6-30-09
CIVIL
STATE OF CALIFORNIA

CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/10

PLANS PREPARED BY
adkan ENGINEERS
CIVIL ENGINEERING & SURVEYING PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (951) 688-0241 FAX: (951) 688-7599
DATE: 5/21/09
UNDER THE SUPERVISION OF
RCE 63960 6/30/09

BENCHMARK: G3-F2
CITY OF RIVERSIDE BENCHMARK No. G3-F2 BRASS DISK IN A MONUMENT WELL AT THE INTERSECTION OF ARLINGTON AVENUE AND VAN BUREN BOULEVARD

ELEVATION: 736.332

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C-

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY: DATE: 5/26/09
PRINCIPAL ENGINEER: [Signature]
TRAFFIC DIVISION: 5-22-09
CONSTRUCTION ADMIN.: [Signature]
SURVEYOR: [Signature]
LANDSCAPE: [Signature]
DATE: 5/26/09

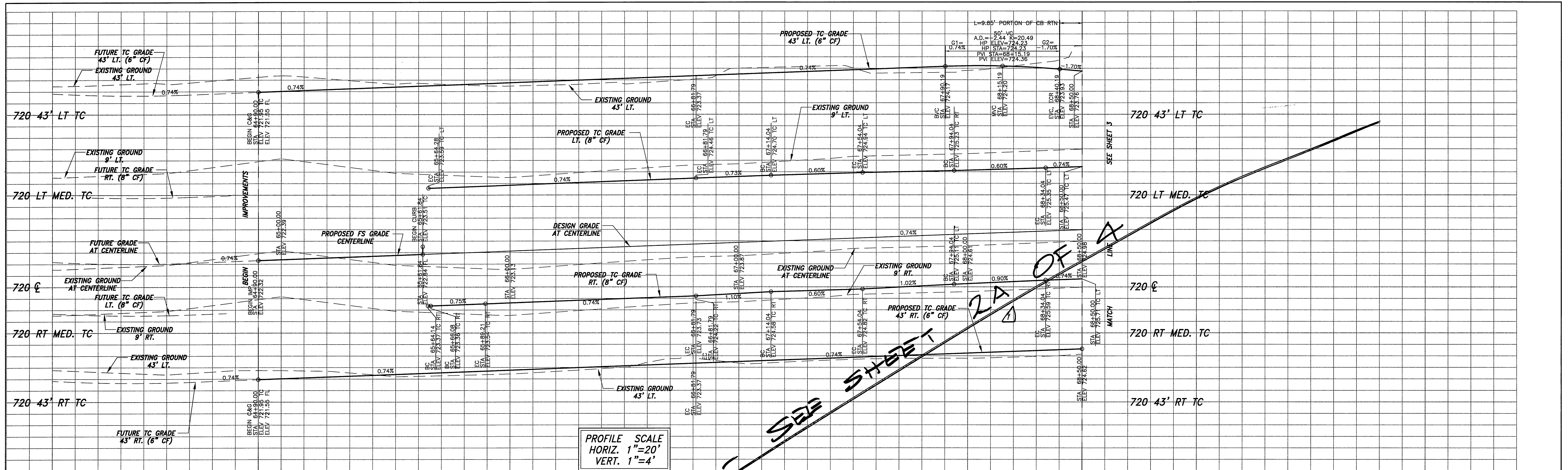
DESIGN W.O. — 0911041
CONSTRUCTION W.O. — 0911042

**STREET IMPROVEMENT PLAN
JURUPA AVENUE
EXTENSION - PHASE 1**

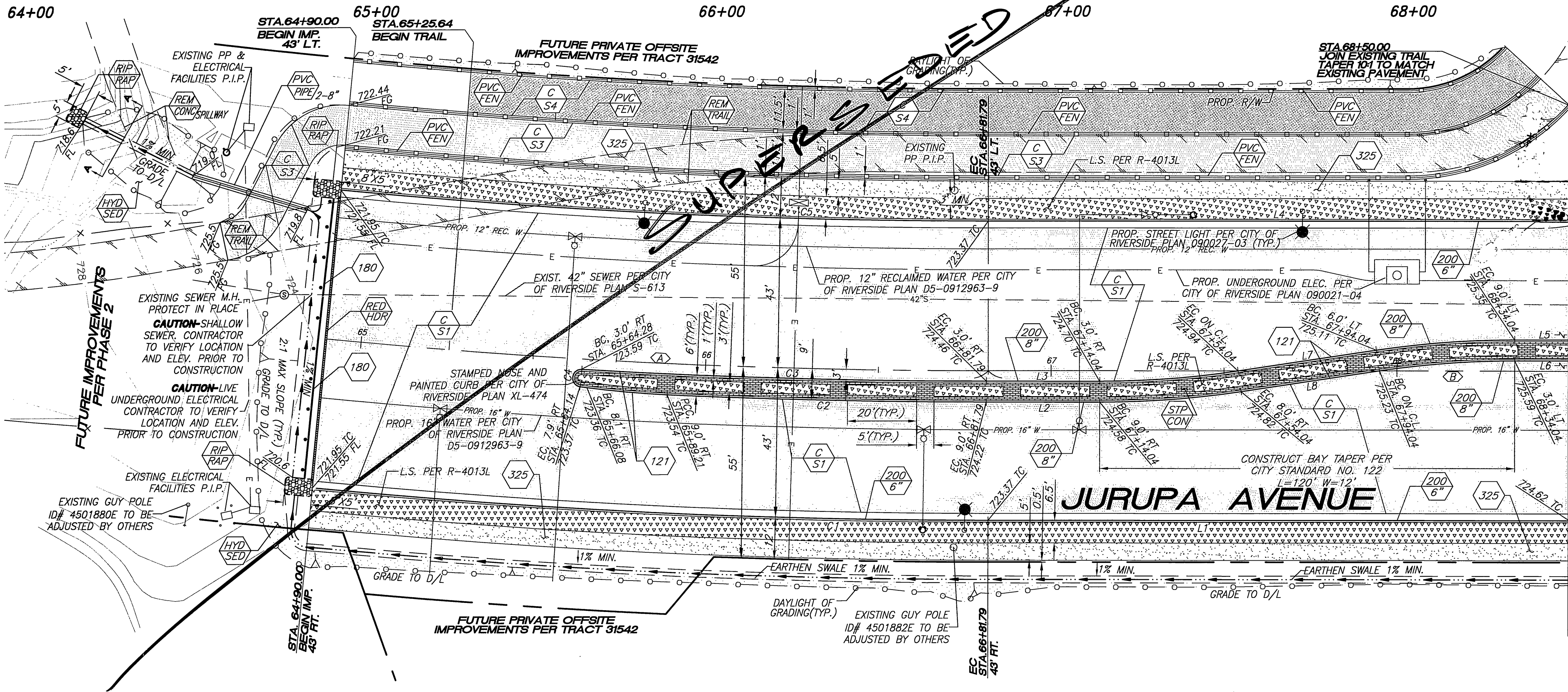
COVER SHEET

R-4013
SHEET 1 OF 4

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'
J.N. 7669



SEE SHEET 2A OF A MATCH



LINE TABLE

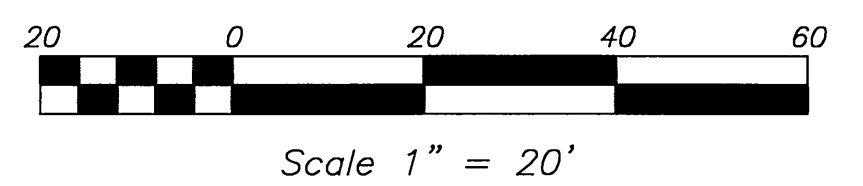
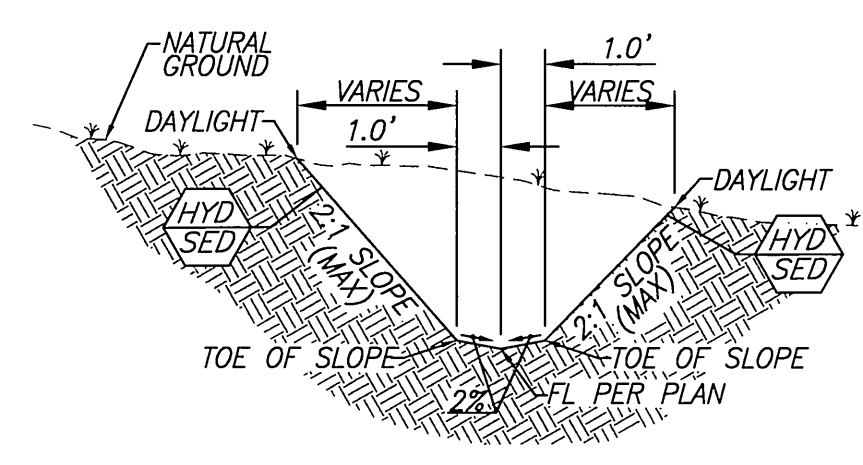
LINE	BEARING	LENGTH
L1	N80°01'00"E	168.76
L2	N80°01'00"E	32.78
L3	N80°01'00"E	32.78
L4	N80°01'00"E	168.21
L5	N80°01'00"E	15.96
L6	N80°01'00"E	15.96
L7	N71°30'12"E	40.45
L8	N71°30'12"E	40.45

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C1	5°29'40"	2043.00	191.91
C2	2°38'07"	2009.00	92.41
C3	3°21'05"	2003.00	117.16
C4	1°25'39'46"	2.50	7.67
C5	5°29'40"	1957.00	187.67

CENTERLINE CURVE & TANGENT TABLE

CURVE	DELTA/BEARING	RADIUS	LENGTH	TANGENT
<A>	1°14'38"	2000.00	43.42	95.92
	N80°01'00"E		168.21	



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CIVIL
STATE OF CALIFORNIA
No. 53390
EXP. 6-30-09

CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/10
PLANS PREPARED BY
adkan ENGINEERS
CIVIL ENGINEERING-SURVEYING-PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (951) 688-0241 FAX: (951) 688-0599
DATE: 5/21/09
UNDER THE SUPERVISION OF: [Signature]
P.L.C.E. 63390 6/30/09

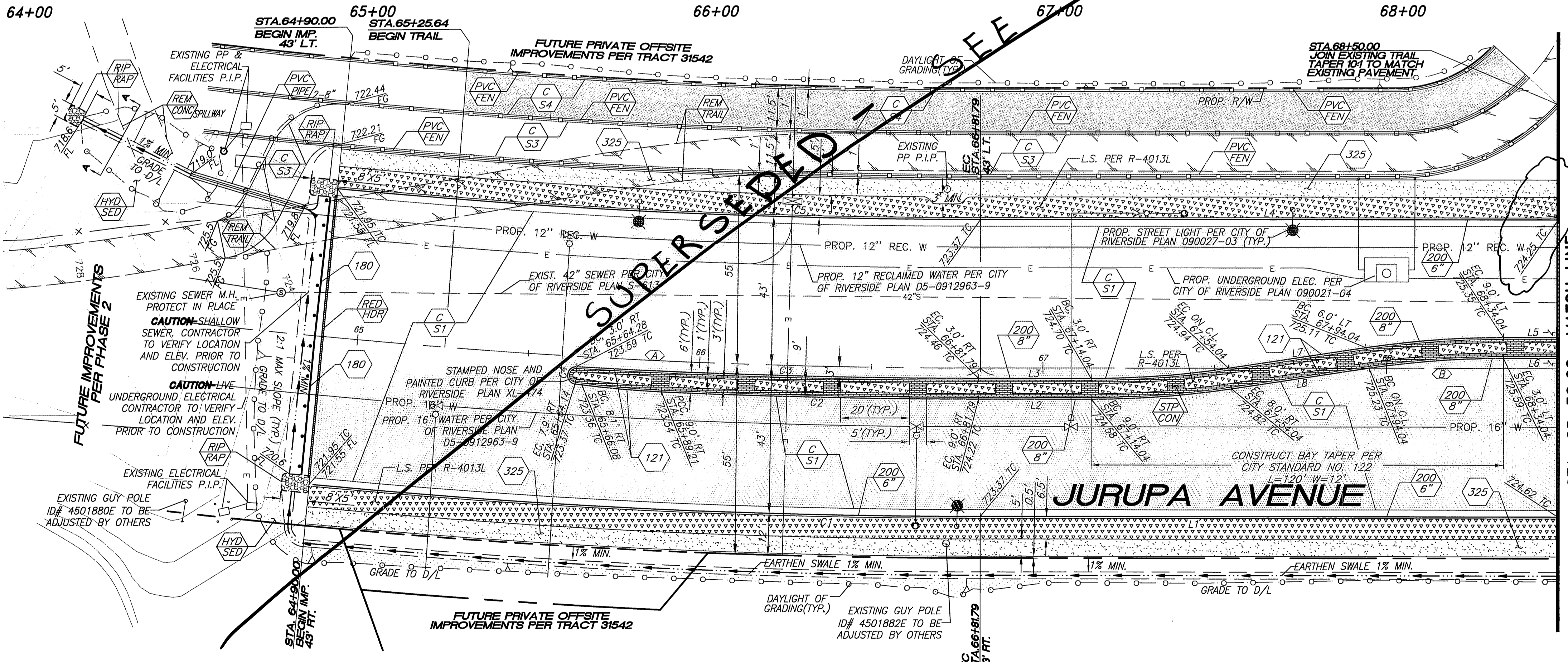
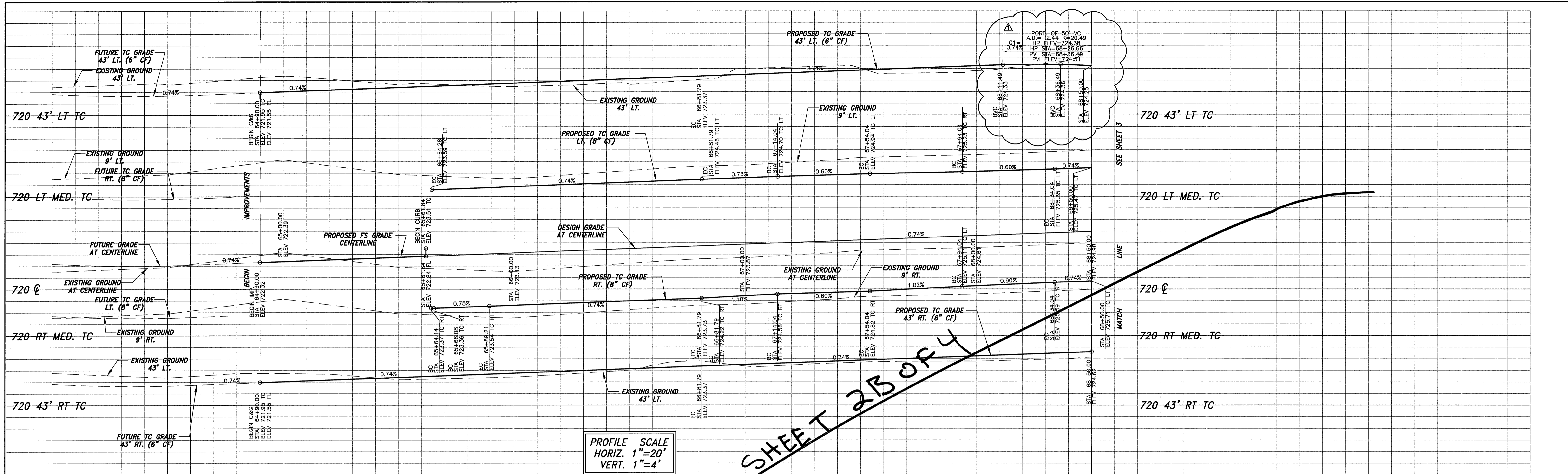
BENCHMARK: G3-F2
CITY OF RIVERSIDE BENCHMARK No. G3-F2
BRASS DISK IN A MONUMENT WELL AT THE
INTERSECTION OF ARLINGTON AVENUE AND
VAN BUREN BOULEVARD
ELEVATION: 736.332

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C-
REVISIONS: [Table with columns for MARK, REVISIONS, APPR., DATE]

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: 5/21/09
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CONSTRUCTION ADMIN.
SURVEYOR
LANDSCAPE
PARK & RECREATION

DESIGN W.O. - 0911041
CONSTRUCTION W.O. - 0911042
STREET IMPROVEMENT PLAN
JURUPA AVENUE EXTENSION - PHASE 1
STA. 64+90.00 TO 62+50.00
R-4013
SHEET 2 OF 4
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4' J.N. 7669

PLAT DATES: 5/21/2009



LINE TABLE

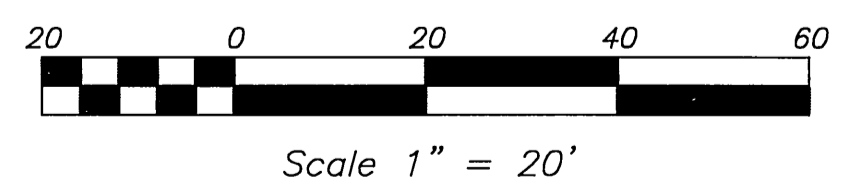
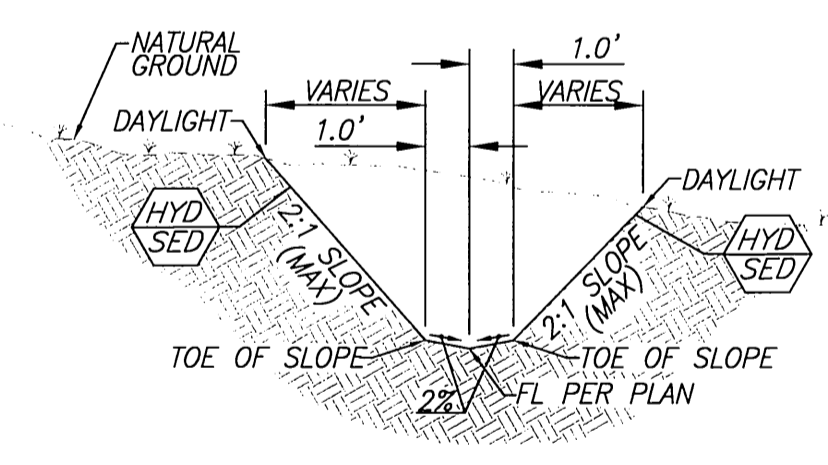
LINE	BEARING	LENGTH
L1	N80°01'00"E	168.76
L2	N80°01'00"E	32.78
L3	N80°01'00"E	32.78
L4	N80°01'00"E	168.21
L5	N80°01'00"E	15.96
L6	N80°01'00"E	15.96
L7	N71°30'12"E	40.45
L8	N71°30'12"E	40.45

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C1	5°29'40"	2043.00	191.91
C2	2°38'02"	2009.00	92.41
C3	3°21'05"	2003.00	117.16
C4	1°5'39'46"	2.50	7.67
C5	5°29'40"	1957.00	187.67

CENTERLINE CURVE & TANGENT TABLE

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<A>	1°14'38"	2000.00	43.42	95.92
	N80°01'00"E		168.21	



Underground Service Alert
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CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/10
PLANS PREPARED BY:
adkan ENGINEERS
CIVIL ENGINEERING • SURVEYING • PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (951) 508-1241 FAX: (951) 508-0965
DATE: 10/10/09
UNDER THE SUPERVISION OF: [Signature]
R.C.S. 449990 6/30/11

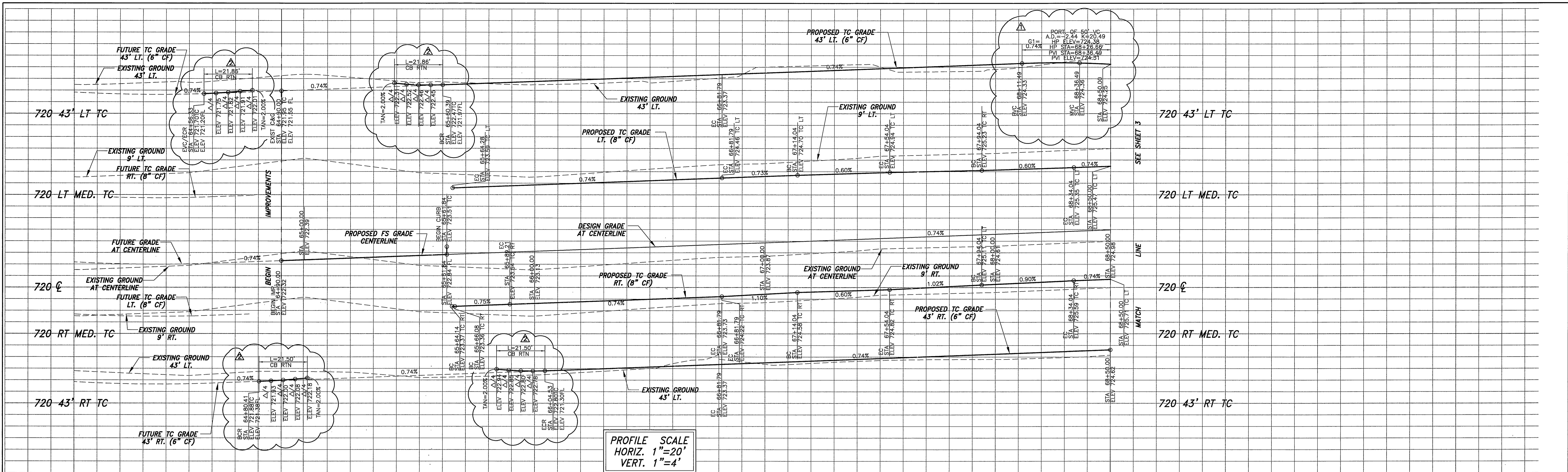
BENCHMARK: G3-F2
CITY OF RIVERSIDE BENCHMARK No. G3-F2 BRASS DISK IN A MONUMENT WELL AT THE INTERSECTION OF ARLINGTON AVENUE AND VAN BUREN BOULEVARD
ELEVATION: 736.332

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C-
APPROVED BY: [Signature] DATE: 8/09
REVISIONS: [Table with 2 columns: MARK, REVISIONS]

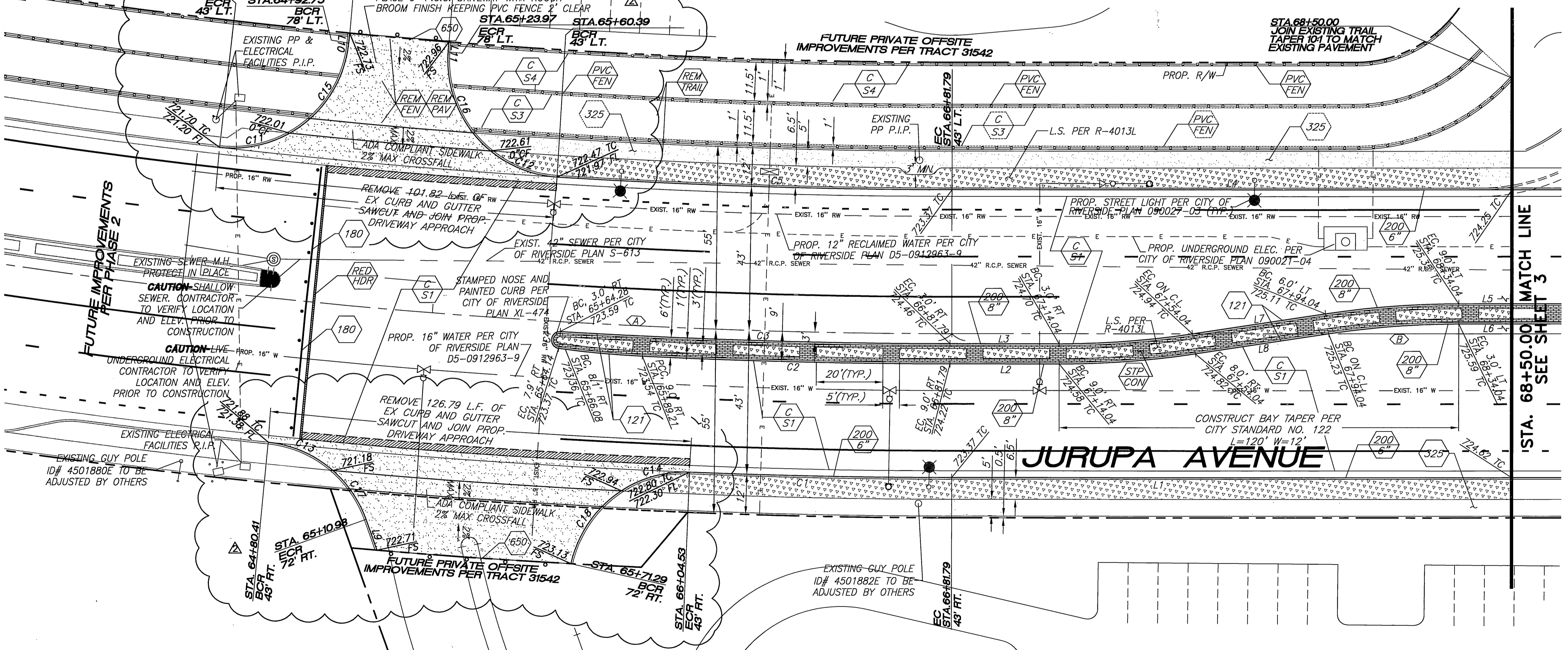
CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: [] BY: []
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CONSTRUCTION ADMIN.
SURVEYOR
LANDSCAPE
PARK & RECREATION

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CONSTRUCTION W.O. - 0911042
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JURUPA AVENUE EXTENSION - PHASE 1
STA. 64+90.00 TO 62+50.00
HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

R-4013
SHEET 2A OF 4
J.N. 7669



64+00 65+00 66+00 67+00 68+00 69+00



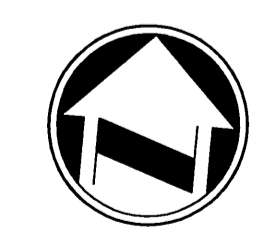
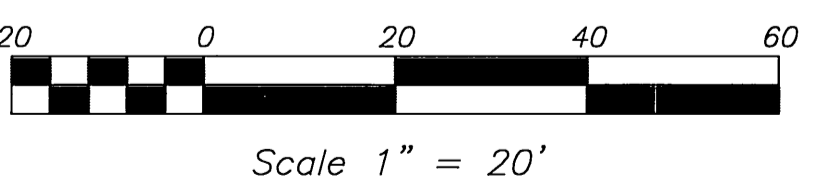
LINE	BEARING	LENGTH
L1	S80°01'00"W	168.76
L2	N80°02'02"E	32.78
L3	N80°02'02"E	32.78
L4	N80°01'00"E	168.21
L5	N80°02'02"E	15.96
L6	N80°02'02"E	15.96
L7	N81°30'12"E	40.45
L8	N71°30'12"E	40.45

CURVE	DELTA	RADIUS	LENGTH
C1	5°29'40"	2043.00	191.91
C2	2°38'07"	2009.00	92.41
C3	3°21'05"	2003.00	117.16
C4	17°53'46"	2.50	7.67
C5	5°29'40"	1957.00	187.67

CURVE	DELTA/BEARING	RADIUS	LENGTH	TANGENT
A	1°14'38"	2000.00	43.42	95.92
B	N80°01'00"E		168.21	

CURVE	DELTA/BEARING	RADIUS	LENGTH	TANGENT
A	1°14'38"	2000.00	43.42	95.92
B	N80°01'00"E		168.21	

LINE	BEARING	LENGTH
L9	S29°47'45"E	9.76
L10	N05°27'54"W	3.00
L11	N05°27'54"W	3.00



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 CIVIL ENGINEERING • SURVEYING • PLANNING
 6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
 TEL: (951) 698-0241 FAX: (951) 698-0599
 DATE: 4/5/11
 UNDER THE SUPERVISION OF: R.G.E. 53390 6/30/11

BENCHMARK: G3-F2
 CITY OF RIVERSIDE BENCHMARK No. G3-F2
 BRASS DISK IN A MONUMENT WELL AT THE
 INTERSECTION OF ARLINGTON AVENUE AND
 VAN BUREN BOULEVARD
 ELEVATION: 736.332

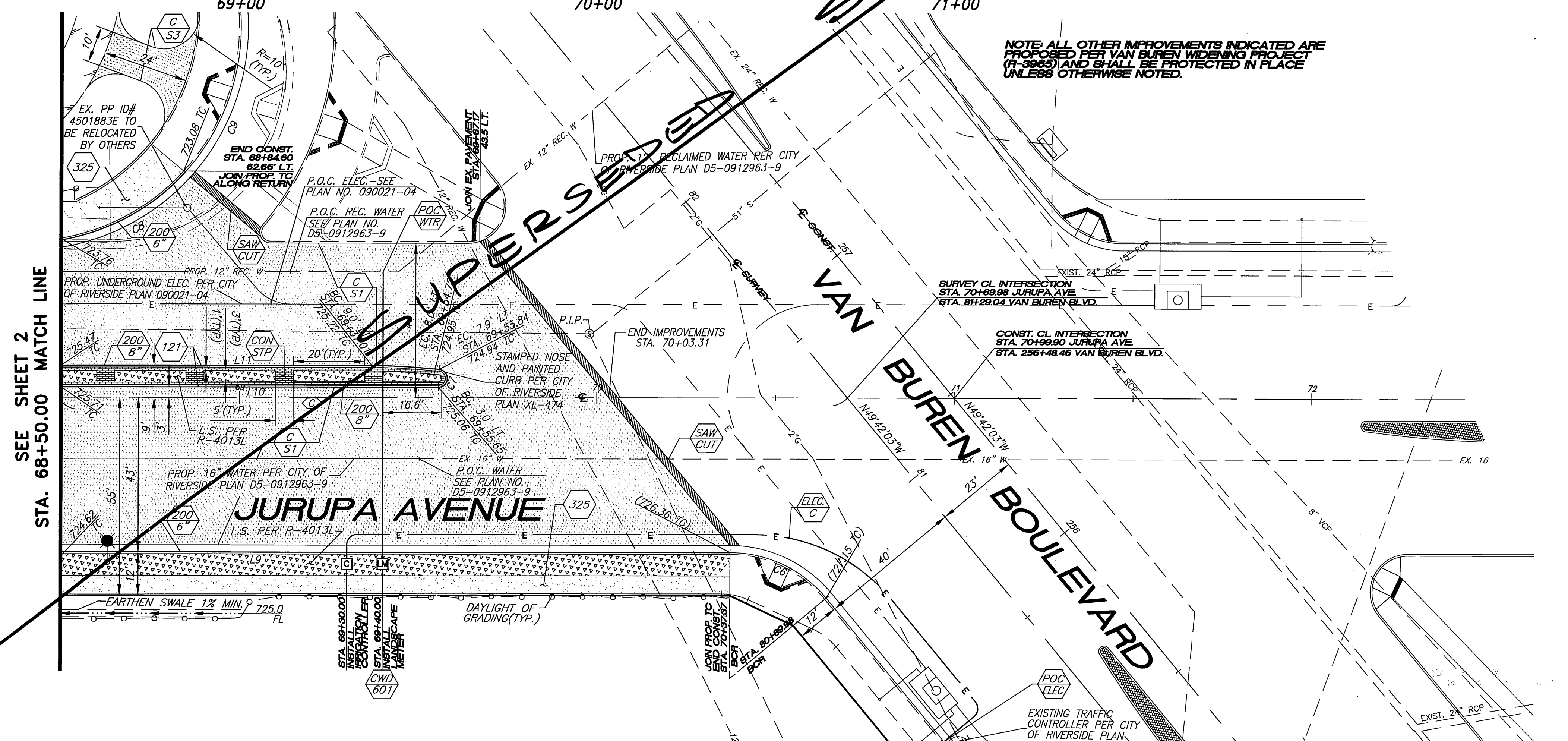
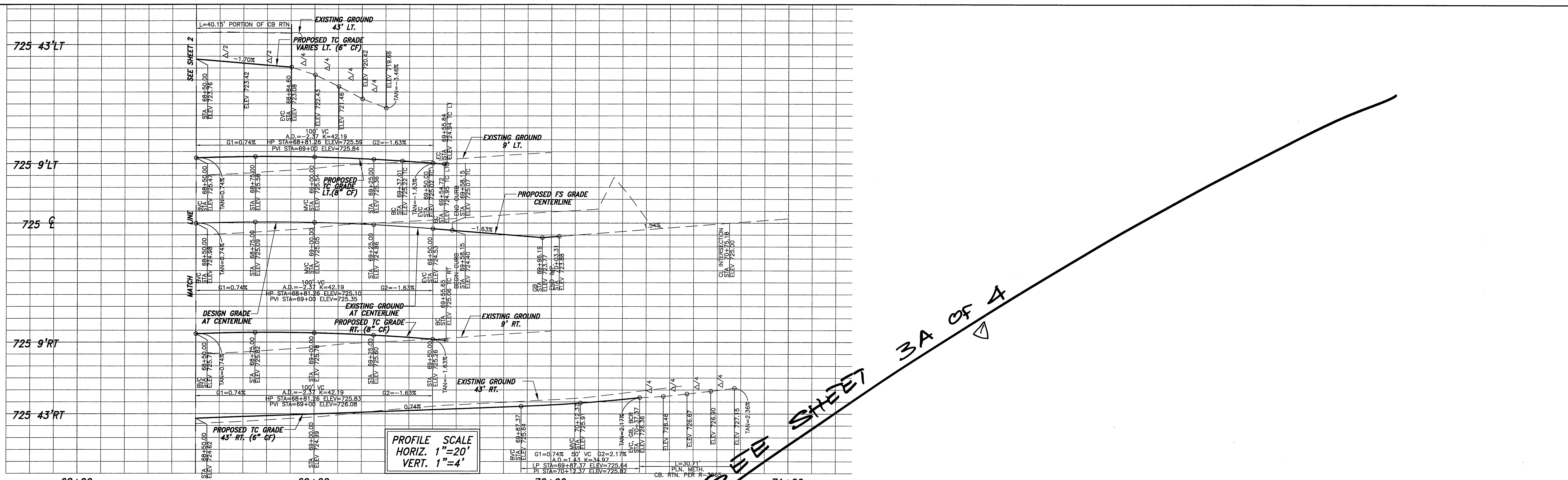
MARK	REVISIONS	DATE
CC	ADD COMMERCIAL DRIVE PER TR 31542	4/11
CC	REV. PORK CHOP ISLAND AND CB. RTN.	8/09

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C-

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: [Signature]
 DATE: 4/11/11
 TRAFFIC DIVISION
 CONSTRUCTION ADMIN.
 SURVEYOR
 LANDSCAPE
 PARK & RECREATION

STREET IMPROVEMENT PLAN
JURUPA AVENUE
EXTENSION - PHASE 1
 STA. 64+90.00 TO 62+50.00
 HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

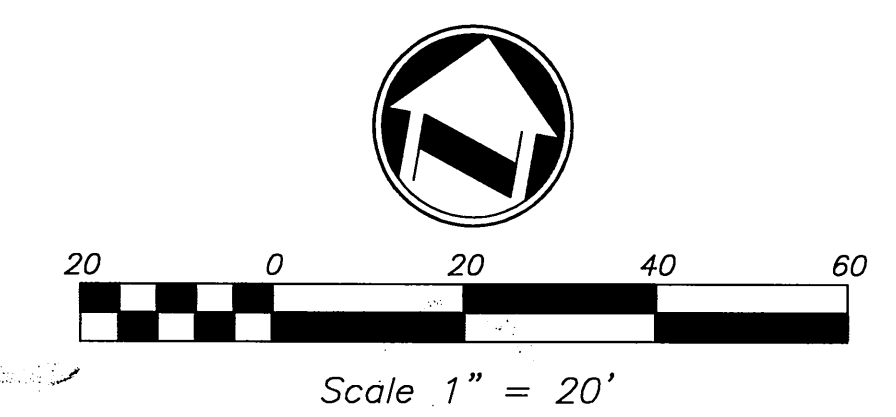
R-4013
 SHEET 2B OF 4
 J.N. 7669



NO.	DELTA/BEARING	RADIUS	LENGTH	TANGENT
C6	50°16'57"	35.00	30.72	
C7	175°38'54"	2.5	7.66	
C8	47°44'06"	60.00	49.99	
C9	83°16'43"	60.00	85.73	

CURVE	DELTA	RADIUS	LENGTH
C6	50°16'57"	35.00	30.72
C7	175°38'54"	2.5	7.66
C8	47°44'06"	60.00	49.99
C9	83°16'43"	60.00	85.73

LINE	BEARING	LENGTH
L9	N80°01'00"E	187.37
L10	N80°01'00"E	105.65
L11	N80°01'00"E	87.01



Underground Service Alert
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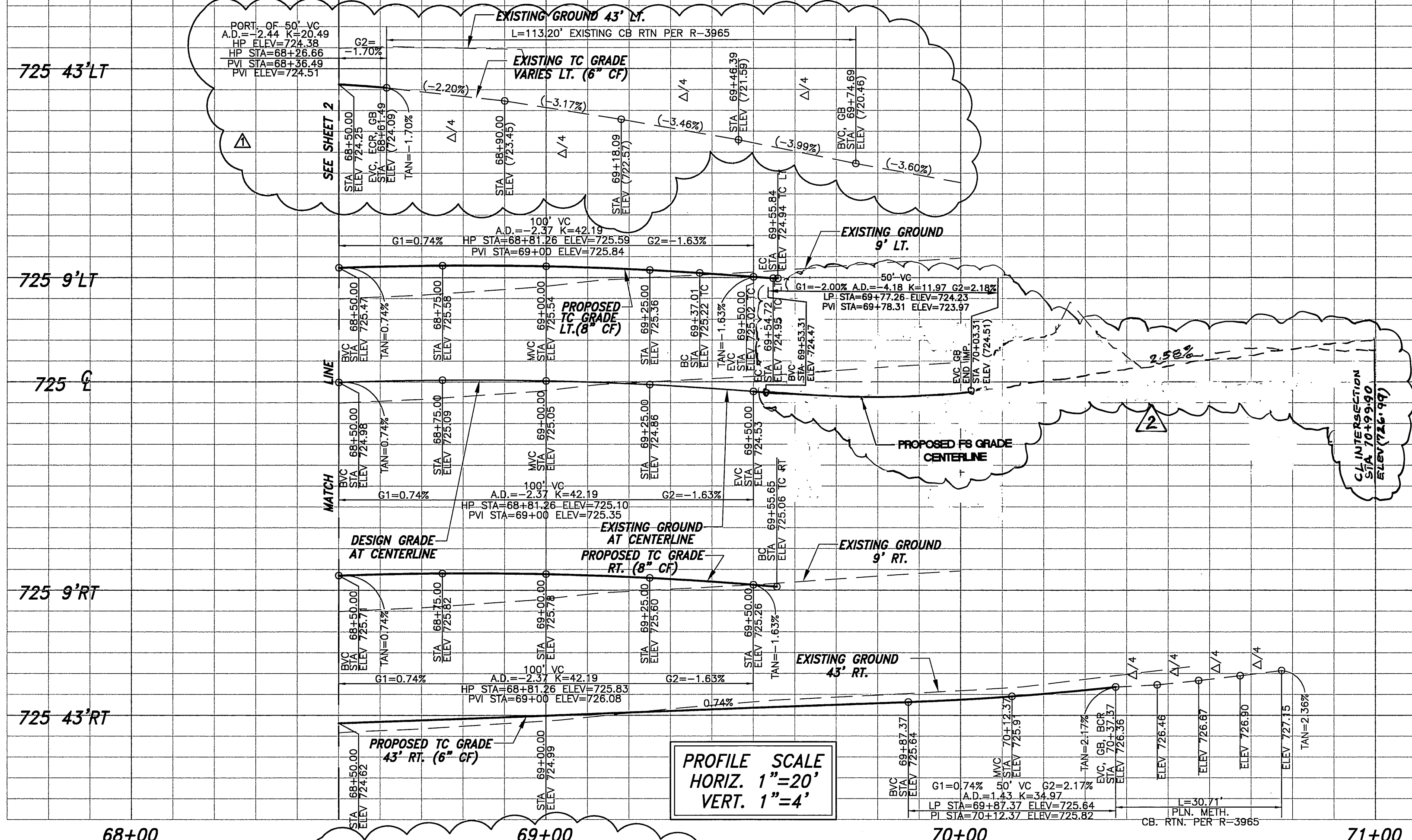
CITY OF RIVERSIDE BUSINESS TAX ACCT. #058833 EXP: 1/1/10
adkan ENGINEERS
 CIVIL ENGINEERING • SURVEYING • PLANNING
 6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
 TEL: (951) 688-0241 FAX: (951) 688-0599
 DATE: 5/21/09 UNDER THE SUPERVISION OF: R.C.E. 53390 6/30/09

BENCHMARK: G3-F2
 CITY OF RIVERSIDE BENCHMARK No. G3-F2 BRASS DISK IN A MONUMENT WELL AT THE INTERSECTION OF ARLINGTON AVENUE AND VAN BUREN BOULEVARD
 ELEVATION: 736.332

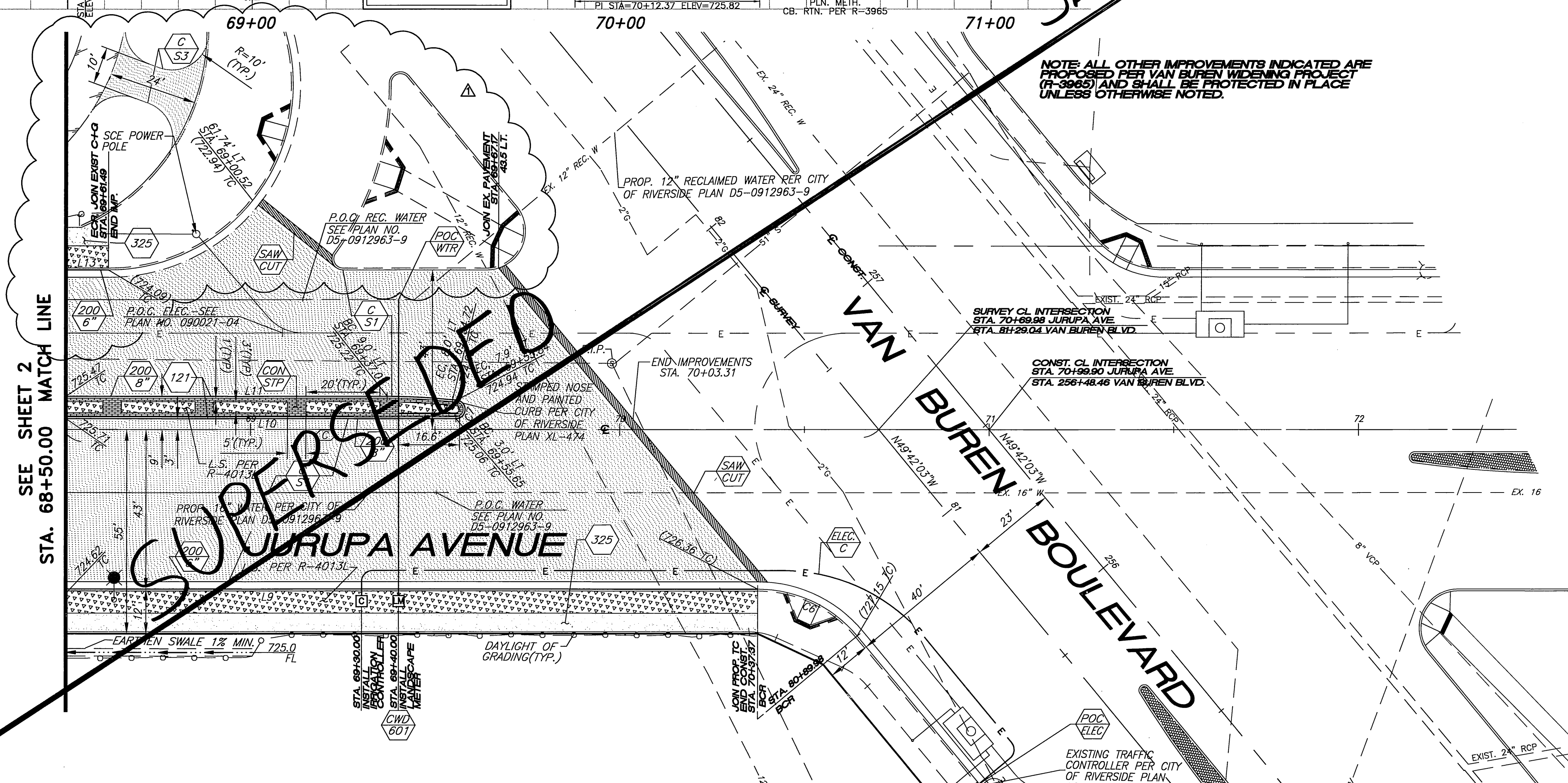
CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: DATE BY: APPROVED BY: DATE BY:
 PRINCIPAL ENGINEER: 5/26/09 RJA
 TRAFFIC DIVISION: 5/22/09 JLA
 CONSTRUCTION ADMIN. SURVEYOR
 LANDSCAPE PARK & RECREATION
 DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C-

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: DATE BY: APPROVED BY: DATE BY:
 PRINCIPAL ENGINEER: 5/26/09 RJA
 TRAFFIC DIVISION: 5/22/09 JLA
 CONSTRUCTION ADMIN. SURVEYOR
 LANDSCAPE PARK & RECREATION
 DATE: 5/26/09

DESIGN W.O. - 0911041
 CONSTRUCTION W.O. - 0911042
STREET IMPROVEMENT PLAN
JURUPA AVENUE EXTENSION - PHASE 1
 STA. 68+50.00 TO VAN BUREN BLVD.
R-4013
 SHEET 3 OF 4
 HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'
 J.N. 7669



SEE SHEET 3B of 4



CENTERLINE CURVE & TANGENT TABLE

NO.	DELTA/BEARING	RADIUS	LENGTH	TANGENT
C6	50°16'57"	35.00	30.72	
C7	175°36'54"	2.5	7.66	

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH
C6	50°16'57"	35.00	30.72
C7	175°36'54"	2.5	7.66

LINE TABLE

LINE	BEARING	LENGTH
L9	N80°01'00"E	187.37
L10	N80°01'00"E	105.65
L11	N80°01'00"E	87.01
L13	N80°01'00"E	71.49

SUPERSEDED

Underground Service Alert
 Call: TOLL FREE 811
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REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 No. 53390
 Exp. 6-30-11

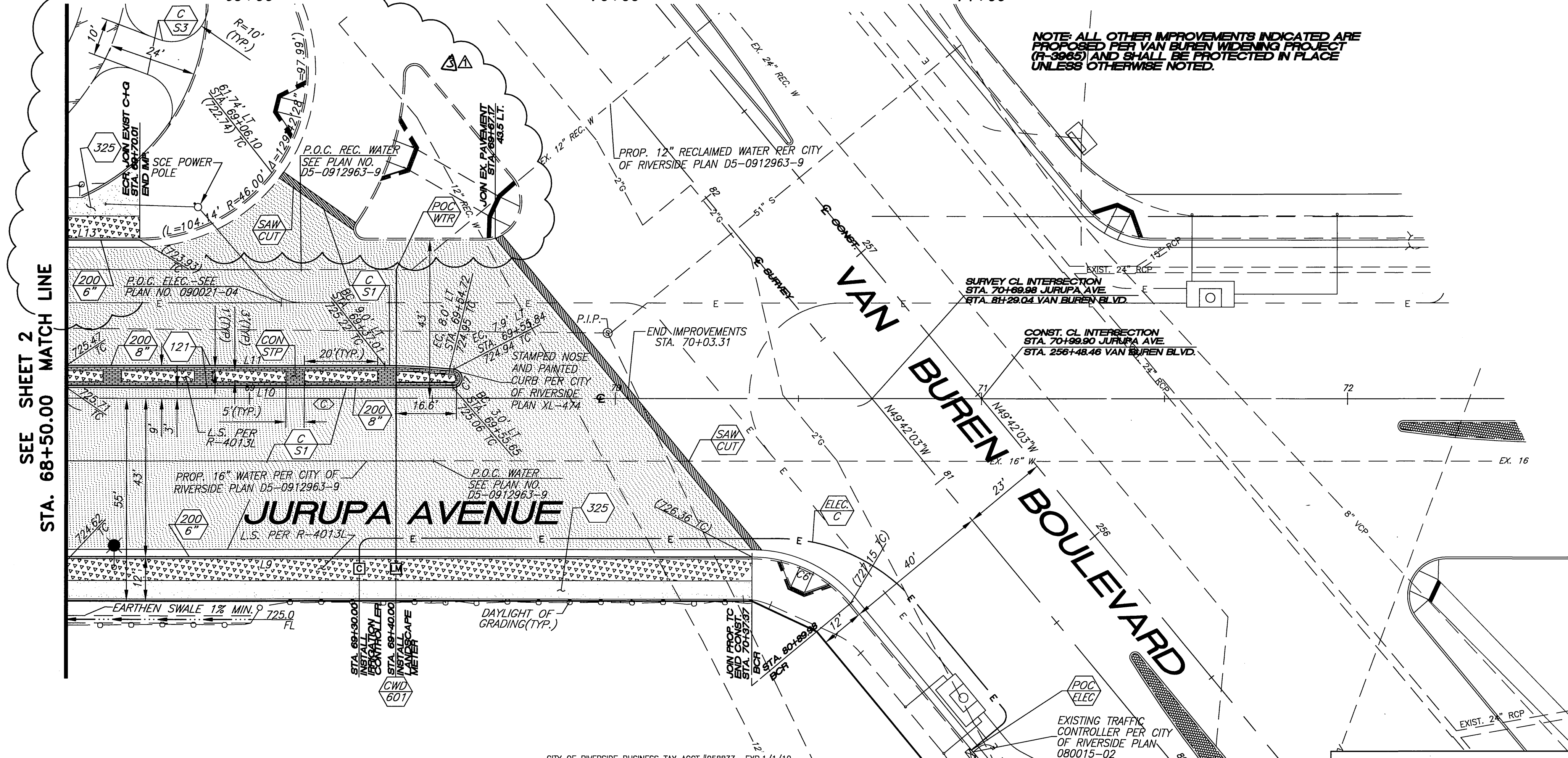
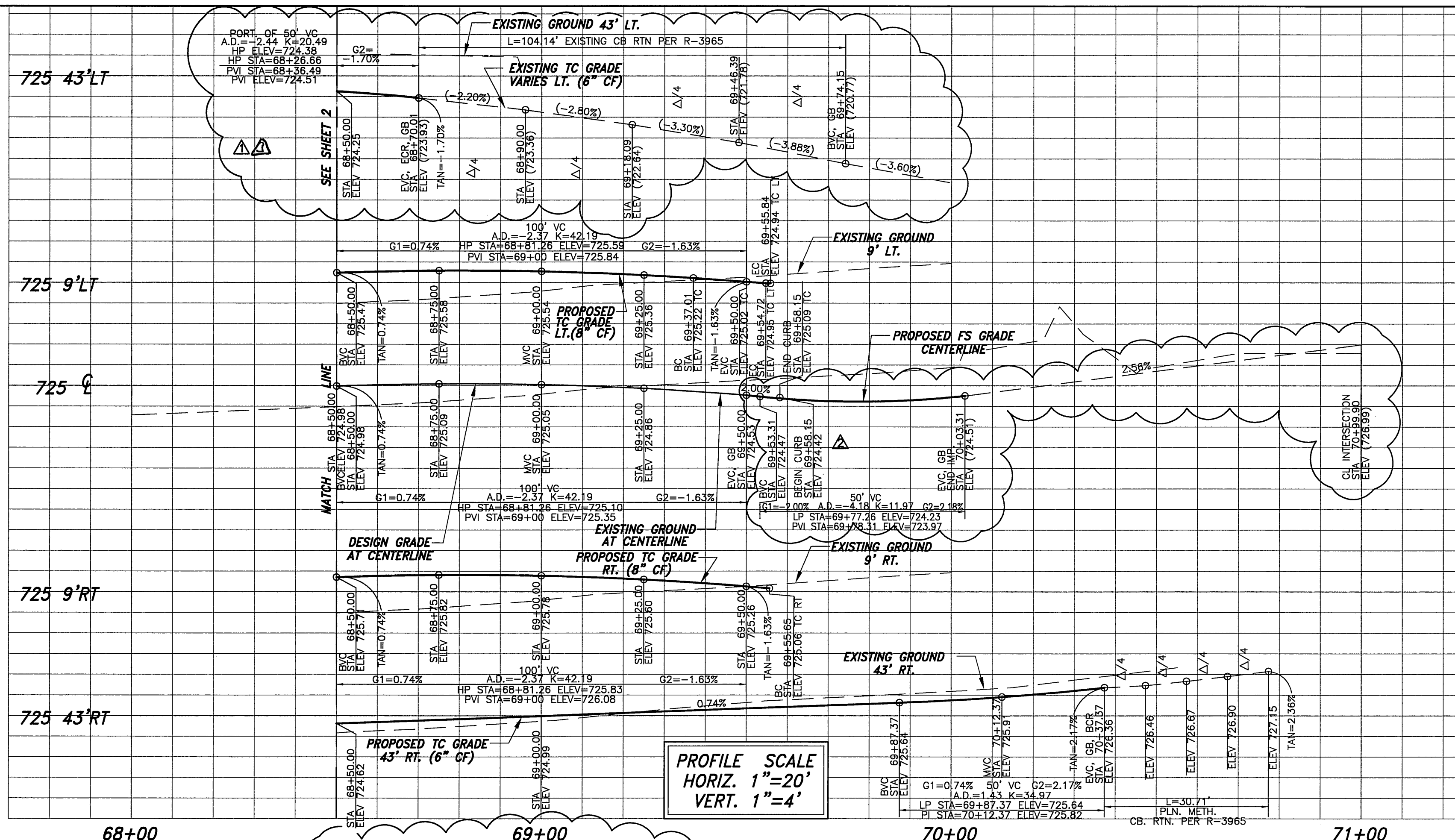
adkan ENGINEERS
 CIVIL ENGINEERING • SURVEYING • PLANNING
 6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
 TEL: (951) 508-1021 FAX: (951) 508-0559
 DATE: 8/10/09
 UNDER THE SUPERVISION OF: R.C.E. 53990 6/30/11

BENCHMARK: G3-F2
 CITY OF RIVERSIDE BENCHMARK No. G3-F2
 BRASS DISK IN A MONUMENT WELL AT THE
 INTERSECTION OF ARLINGTON AVENUE AND
 VAN BUREN BOULEVARD
 ELEVATION: 736.332

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C-
 DELETED SHEET CREATED SH 3B of 4 8/10/09
 REVISED CENTERLINE PROFILE & V.R. 8/10/09
 REVISED N.Y. JURUPA AVE RCR 8/10/09

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
 APPROVED BY: DATE: BY: APPROVED BY: DATE: BY:
 PRINCIPAL ENGINEER
 TRAFFIC DIVISION
 CONSTRUCTION ADMIN.
 SURVEYOR
 LANDSCAPE
 PARK & RECREATION

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 STA. 68+50.00 TO VAN BUREN BLVD.
R-4013
 SHEET 3A OF 4
 HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'
 J.N. 7669



NOTE ALL OTHER IMPROVEMENTS INDICATED ARE PROPOSED FOR VAN BUREN WIDENING PROJECT (R-3965) AND SHALL BE PROTECTED IN PLACE UNLESS OTHERWISE NOTED.

NO.	DELTA/BEARING	RADIUS	LENGTH	TANGENT
CB	50°16'57"	35.00	30.72	
C7	175°36'54"	2.5	7.66	

CURVE	DELTA	RADIUS	LENGTH
CB	50°16'57"	35.00	30.72
C7	175°36'54"	2.5	7.66

LINE	BEARING	LENGTH
L9	N80°01'00"E	187.37
L10	N80°01'00"E	105.65
L11	N80°01'00"E	87.01
L13	N80°01'00"E	20.01

SEE SHEET 2
STA. 68+50.00 MATCH LINE

Underground Service Alert
Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

REGISTERED PROFESSIONAL ENGINEER
CALIFORNIA J.A. LOPEZ
NO. 53390
EXP. 6-30-11
CIVIL
STATE OF CALIFORNIA

CITY OF RIVERSIDE BUSINESS TAX ACCT.#058833 EXP.1/1/10
PLANS PREPARED BY:
adkan ENGINEERS
CIVIL ENGINEERING • SURVEYING • PLANNING
6820 AIRPORT DRIVE RIVERSIDE CA 92504
TEL: (951) 688-2241 FAX: (951) 688-1599
DATE: 9/2/09
UNDER THE SUPERVISION OF: R.C.E. 55290 6/30/11

BENCHMARK: G3-F2
CITY OF RIVERSIDE BENCHMARK NO. G3-F2
BRASS DISK IN A MONUMENT WELL AT THE
INTERSECTION OF ARLINGTON AVENUE AND
VAN BUREN BOULEVARD
ELEVATION: 736.332

REVISIONS
REVISED W/V JURUPA AVE BETWEEN E.C. 9/1/09
REV. CL AT VAN BUREN INTERSECTION C.L. 9/1/09
REV. PORK CHOP ISLAND AND CB. RTN. 8/09

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature] DATE: [] BY: []
PRINCIPAL ENGINEER
TRAFFIC DIVISION
CONSTRUCTION ADMIN.
SURVEYOR
LANDSCAPE
PARK & RECREATION

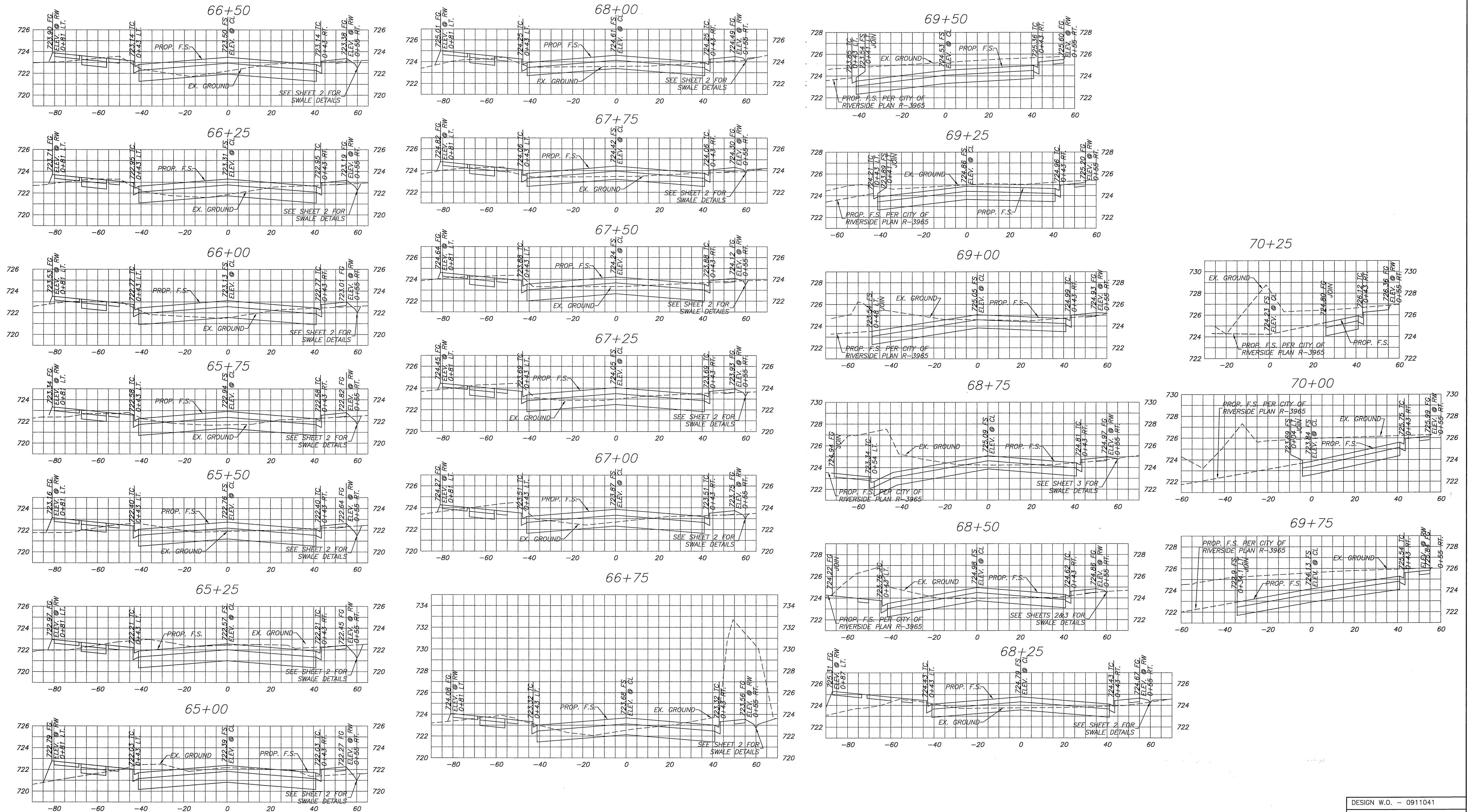
DESIGN W.O. - 0911041
CONSTRUCTION W.O. - 0911042

STREET IMPROVEMENT PLAN
**JURUPA AVENUE
EXTENSION - PHASE 1**
STA. 68+50.00 TO VAN BUREN BLVD.

R-4013
SHEET 3B OF 4
J.N. 7669

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'

JURUPA AVE. EXTENSION PHASE 1 - CROSS SECTIONS



EARTHWORK QUANTITIES

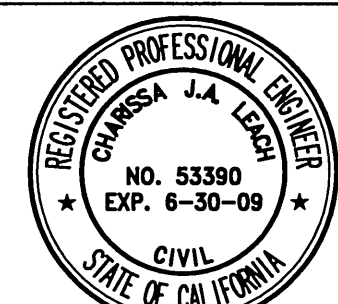
CUT = 3,946 C.Y. NET = 3,037 C.Y. EXPORT
FILL = 909 C.Y.

NOTE: THE QUANTITIES SHOWN ABOVE ARE RAW AND DO NOT INCLUDE SHRINKAGE SUBSIDENCE AND EXCAVATIONS FOR THE PAVEMENT SECTIONS.

Underground Service Alert



Call: TOLL FREE 811
TWO WORKING DAYS BEFORE YOU DIG



CITY OF RIVERSIDE BUSINESS TAX ACCT#058833 EXP.11/10

PLANS PREPARED BY:

adkan ENGINEERS

CIVIL ENGINEERING • SURVEYING • PLANNING
6820 AIRPORT DRIVE, RIVERSIDE, CA 92504
TEL: (951) 688-0241 FAX: (951) 688-0599
DATE: 5/21/09
UNDER THE SUPERVISION OF: R.C.E. 53390 6/30/09

BENCHMARK: G3-F2
CITY OF RIVERSIDE BENCHMARK No. G3-F2 BRASS DISK IN A MONUMENT WELL AT THE INTERSECTION OF ARLINGTON AVENUE AND VAN BUREN BOULEVARD

ELEVATION: 736.332

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: RICK DRAWN BY: RICK CHECKED BY: C-

CITY OF RIVERSIDE PUBLIC WORKS DEPARTMENT

APPROVED BY	DATE	APPROVED BY
PRINCIPAL ENGINEER	5/21/09	CITY ENGINEER
TRAFFIC DIVISION	5/21/09	
CONSTRUCTION ADMIN.		
SURVEYOR		
LANDSCAPE		
MARK & REGISTRATION		

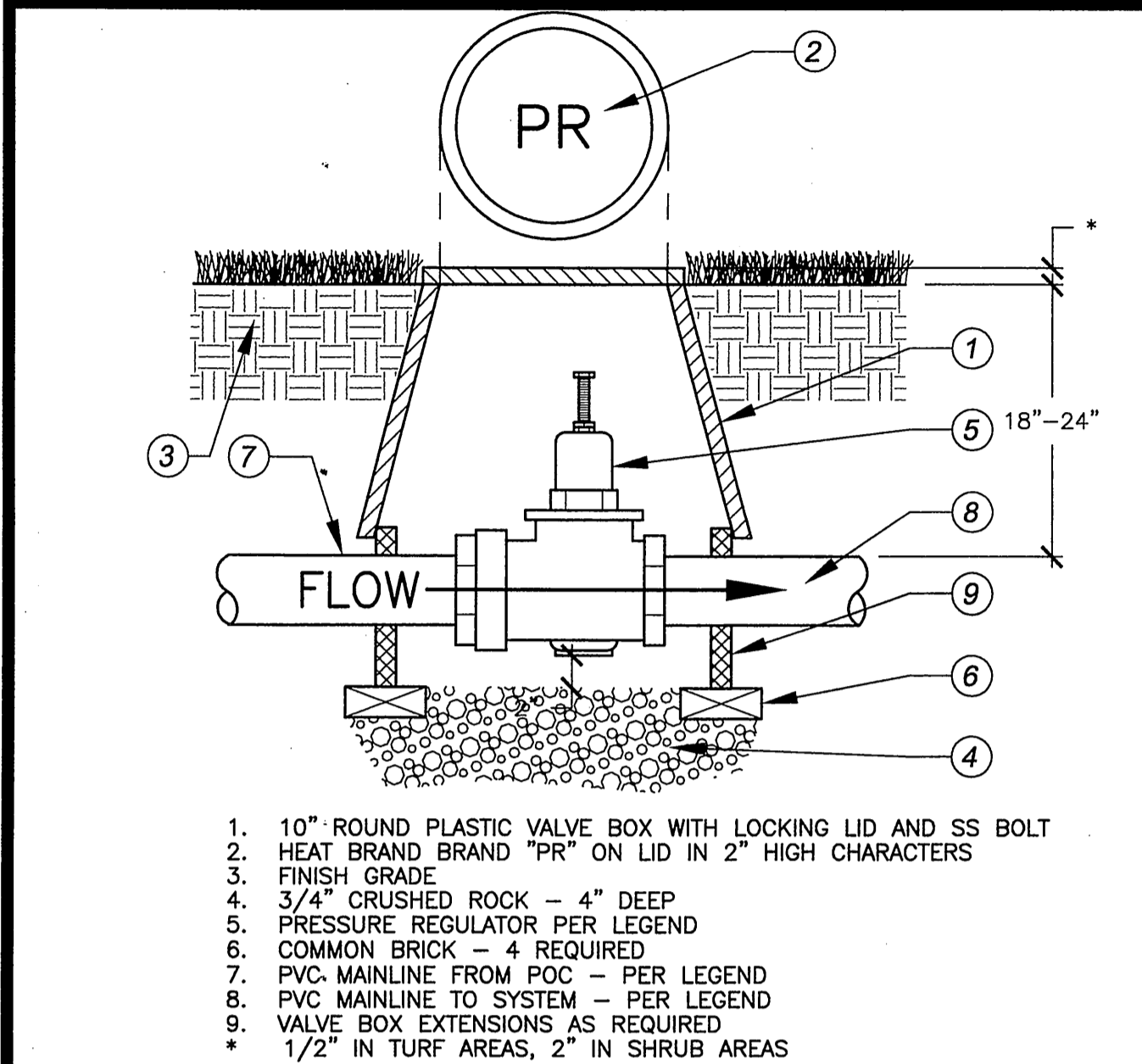
DATE: 5/21/09

DESIGN W.O. - 0911041
CONSTRUCTION W.O. - 0911042

STREET IMPROVEMENT PLAN
**JURUPA AVENUE
EXTENSION - PHASE 1
CROSS SECTIONS**
STA. 65+00 - STA. 70+25

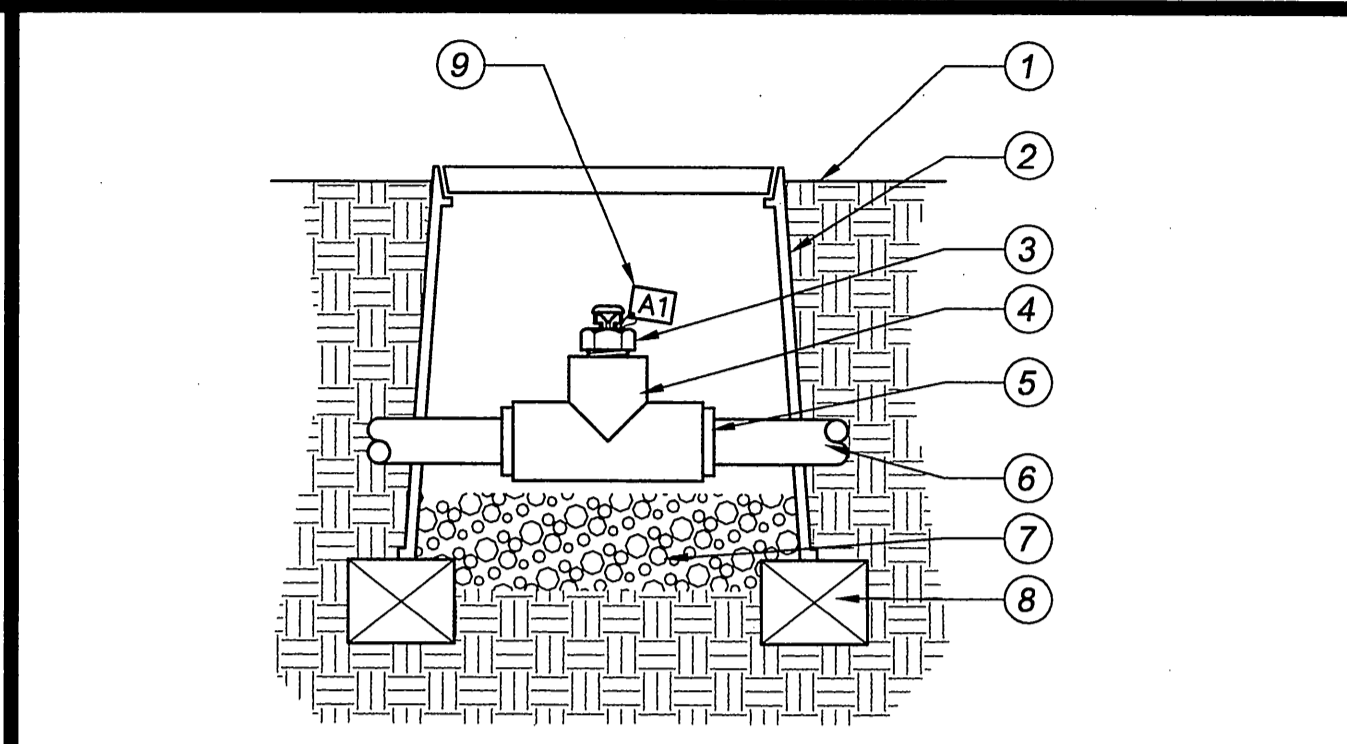
R-4013
SHEET 4 OF 4
J.N. 7669

HORIZ. SCALE: 1"=20' VERT. SCALE: 1"=4'



1. 10" ROUND PLASTIC VALVE BOX WITH LOCKING LID AND SS BOLT
2. HEAT BRAND BRAND "PR" ON LID IN 2" HIGH CHARACTERS
3. FINISH GRADE
4. 3/4" CRUSHED ROCK - 4" DEEP
5. PRESSURE REGULATOR PER LEGEND
6. COMMON BRICK - 4 REQUIRED
7. PVC MAINLINE FROM POC - PER LEGEND
8. PVC MAINLINE TO SYSTEM - PER LEGEND
9. VALVE BOX EXTENSIONS AS REQUIRED
- * 1/2" IN TURF AREAS, 2" IN SHRUB AREAS

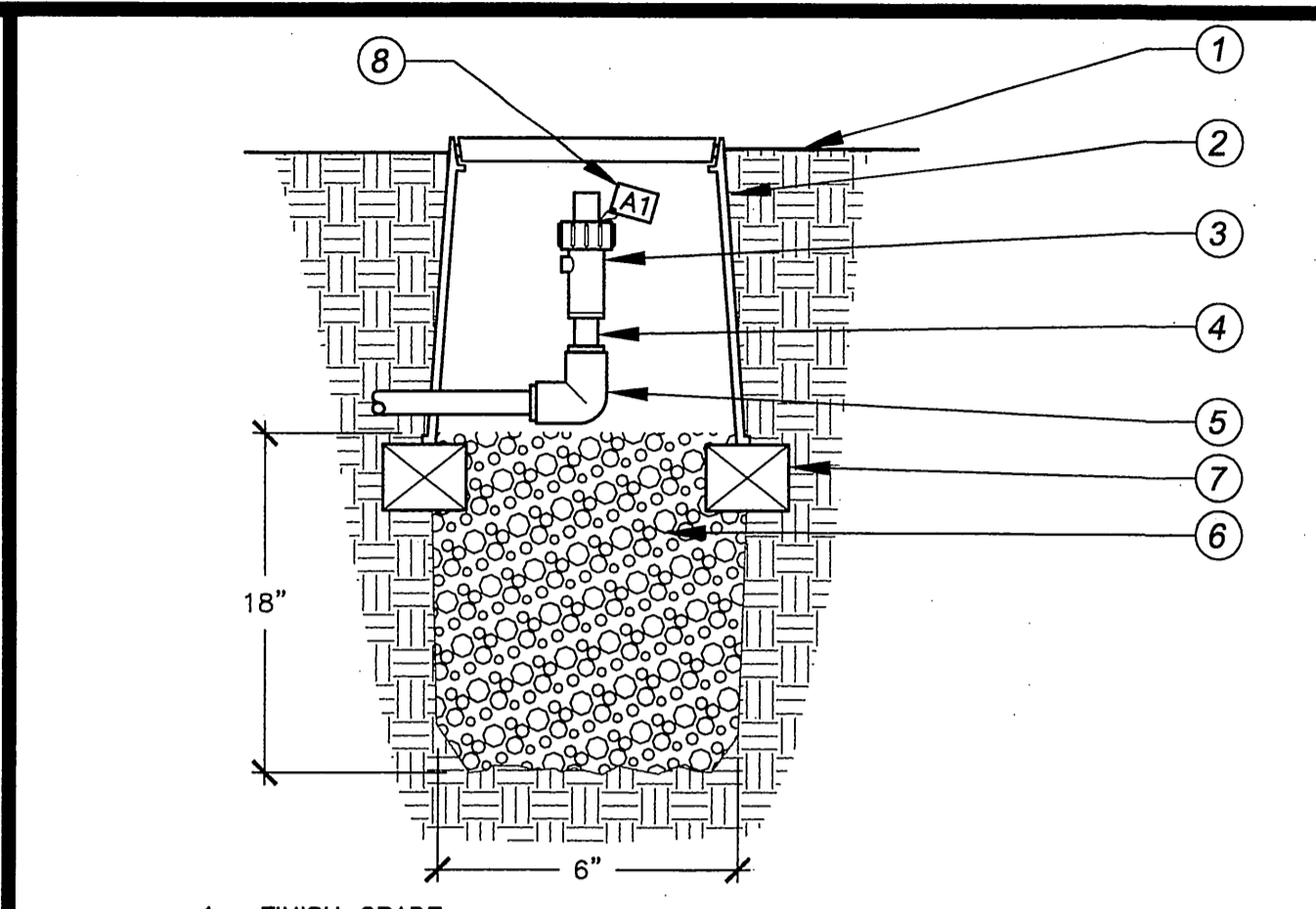
A Pressure Regulating Valve



1. FINISH GRADE
2. 6" ROUND VALVE BOX WITH PURPLE LID
3. AIR/VACUUM RELIEF VALVE PER PLAN
4. PVC SCH 40 LATERAL LINE FITTING
5. COMPRESSION ADAPTER
6. DRIPLINE TUBING OR BLANK TUBING PER PLAN
7. 3/4" CRUSHED ROCK - 6" DEEP
8. BRICK SUPPORT
9. 'CHRISTY'S' NON-POTABLE I.D. TAG OR EQUAL

NOTE:
1. AIR/VACUUM RELIEF VALVE CANNOT BE CONNECTED LOWER THAN DRIPLINE LATERALS.
2. FOR USE ON ZONES OF 7 GPM OR LESS ONLY (PLUMBED TO TUBING).

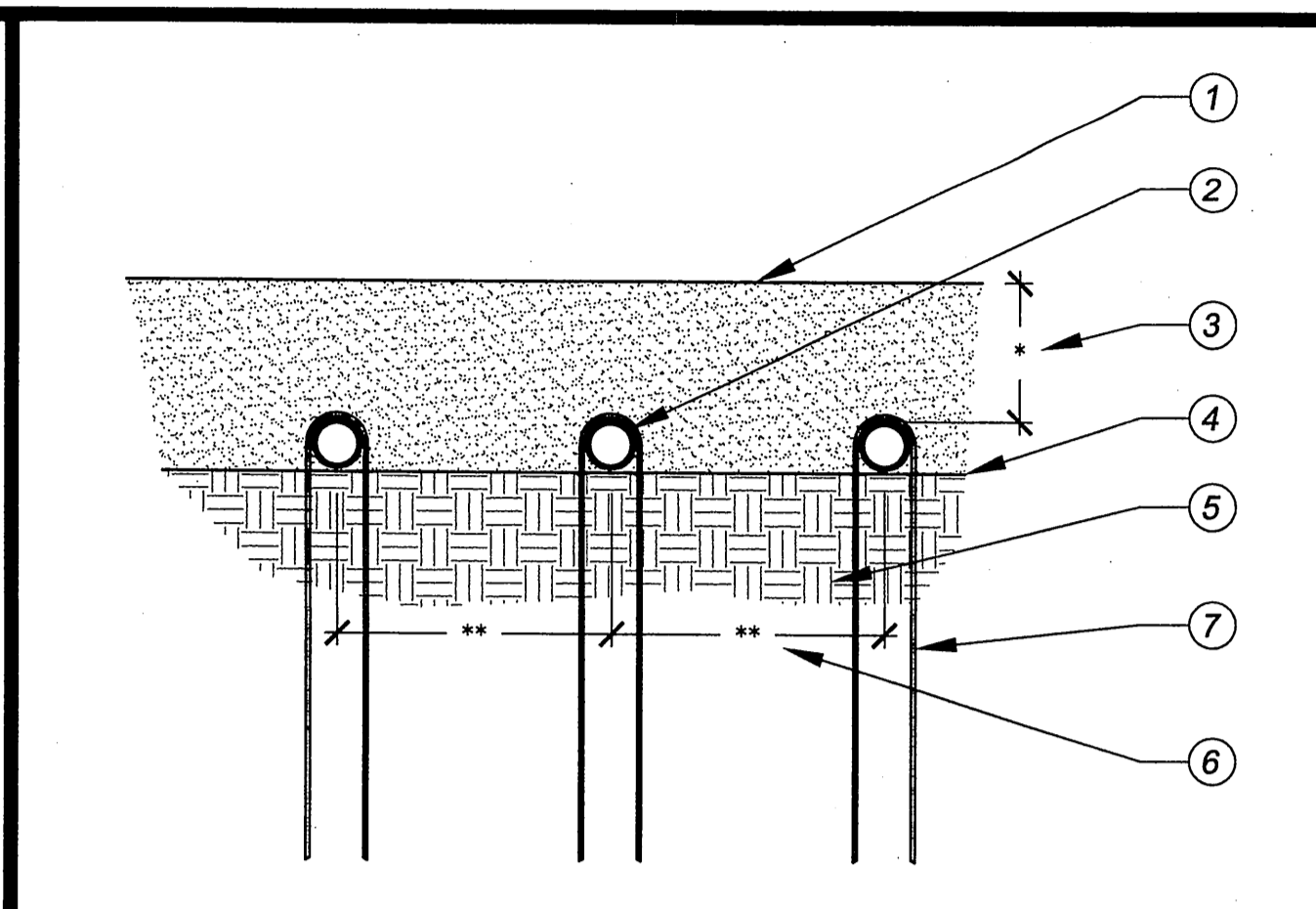
B Air / Vacuum Relief Valve



1. FINISH GRADE
2. 6" ROUND PLASTIC VALVE BOX W/ LOCKING PURPLE LID
3. AUTOMATIC FLUSH VALVE PER IRRIGATION PLAN
4. BLANK DRIPLINE TUBING
5. SCH 40 PVC COMPRESSION ELBOW
6. 3/4" CRUSHED ROCK - DEPTH 18"
7. COMMON BRICK - 4 REQUIRED
8. 'CHRISTY'S' NON-POTABLE I.D. TAG OR EQUAL

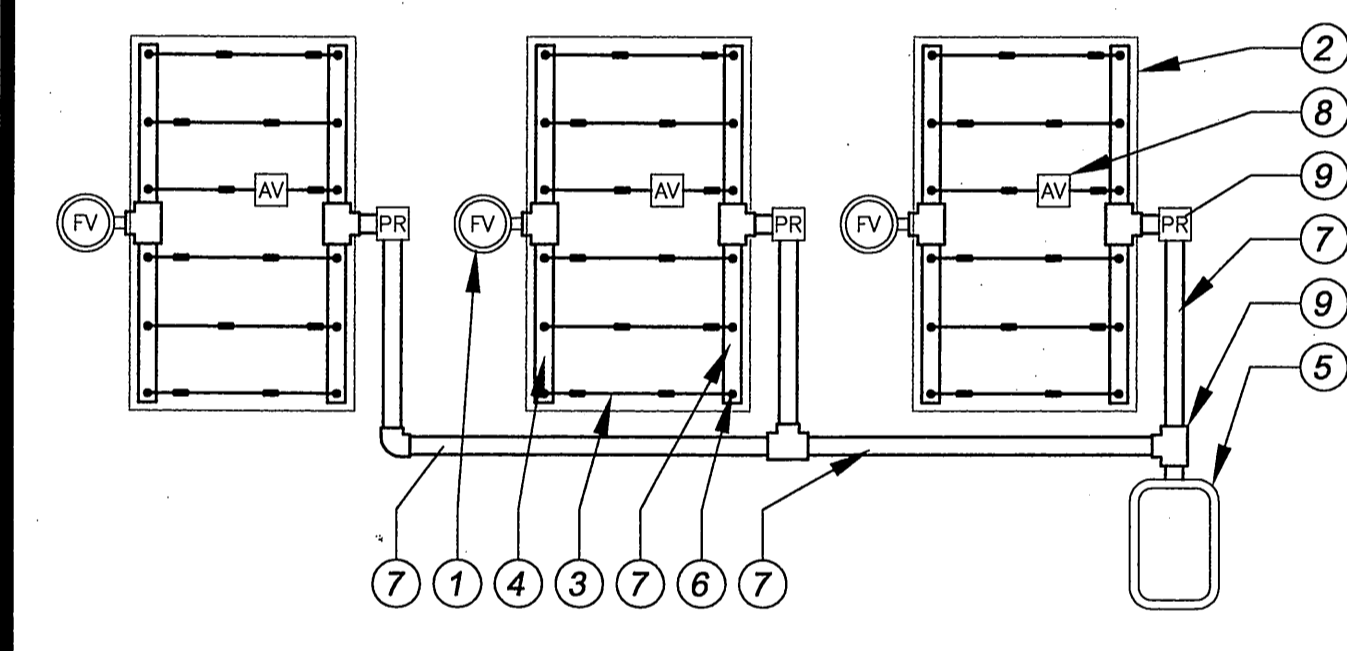
NOTE:
USE TEFLON TAPE ON ALL MALE PIPE THREADS.

C Automatic Flush Valve



1. TOP OF MULCH
2. TECHLINE BURIAL DEPTH - 3 INCHES
3. (*) TECHLINE BURIAL DEPTH - 3 INCHES
4. FINISHED GRADE
5. SUB-GRADE OF NATIVE SOIL
6. (**) LATERAL DRIPLINE SPACING - 18 INCHES
7. RAINBIRD TDS-050 TIE-DOWN STAKE AT 5' O.C. MAX.

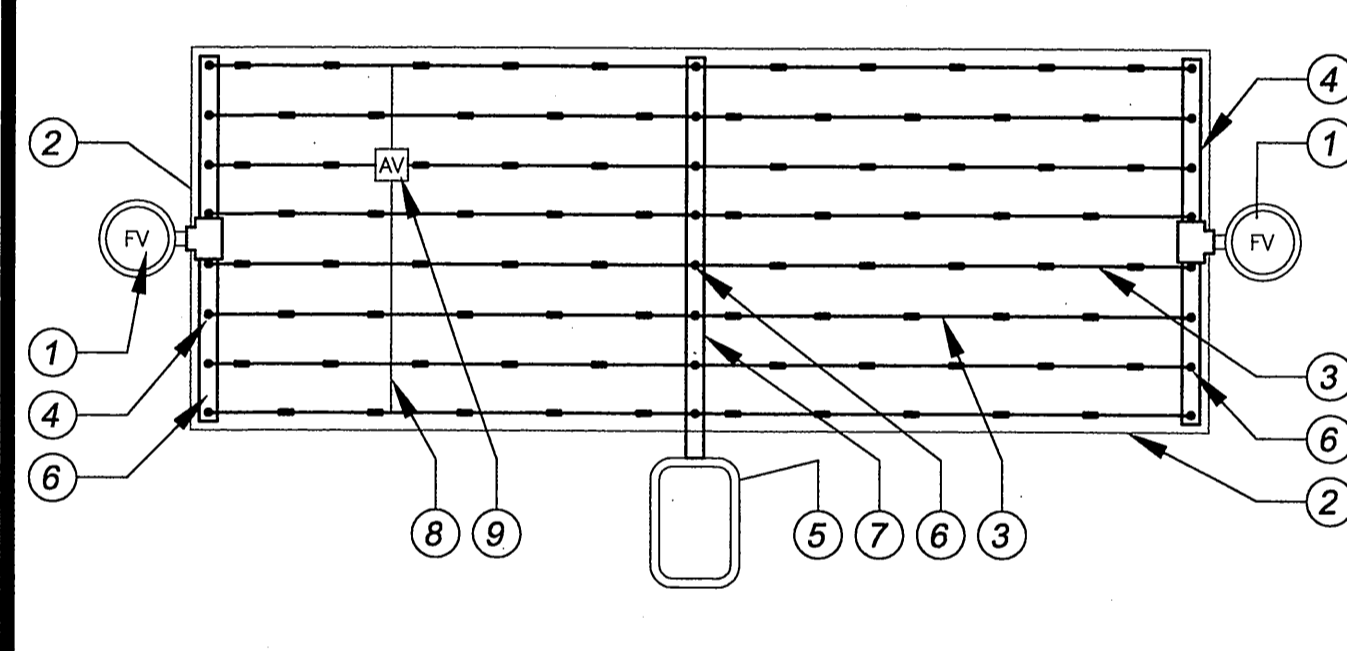
D Techline Burial



1. AUTOMATIC FLUSH VALVE (PER LEGEND) PLUMBED TO TUBING
2. AREA PERIMETER
3. TECHLINE DRIPLINE TUBING (PER LEGEND)
4. PVC FLUSH MANIFOLD
5. REMOTE CONTROL VALVE WITH FILTER AND PRESSURE REGULATOR (SEE RCV DETAIL)
6. MANIFOLD-TO-ELBOW CONNECTION
7. PVC SUPPLY MANIFOLD
8. AIR/VACUUM RELIEF VALVE (PER LEGEND) PLUMBED TO BLANK TUBING AT EACH HIGH POINT
9. PRESSURE REGULATOR LOCATED AT EACH SUPPLY MANIFOLD

NOTES:
ALL PERIMETER LATERALS ARE TO BE 2" TO 4" FROM THE EDGE OF PLANTER AREA. CONTRACTOR TO SIZE PVC SUPPLY MANIFOLD TO COMPENSATE FOR FLUSH VALVE FLOWS.

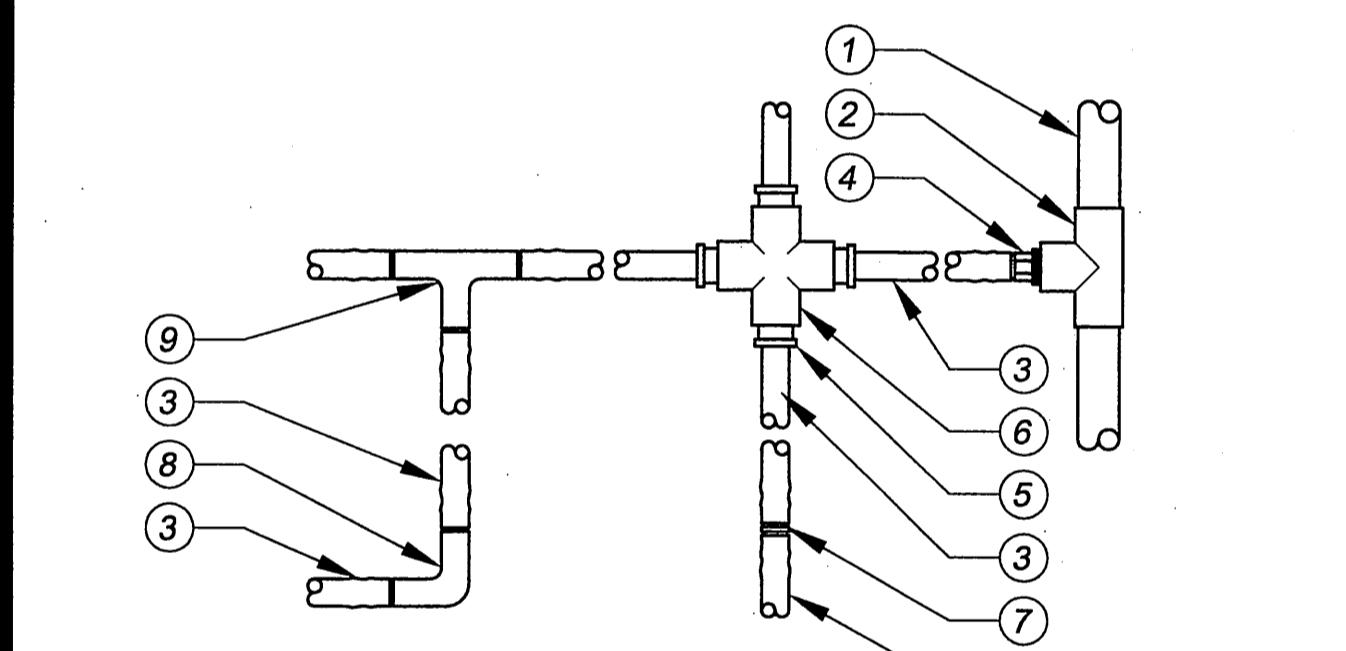
E Techline In Islands



1. AUTOMATIC FLUSH VALVE (PER LEGEND) PLUMBED TO TUBING
2. AREA PERIMETER
3. TECHLINE DRIPLINE TUBING (PER LEGEND)
4. PVC FLUSH MANIFOLD
5. REMOTE CONTROL VALVE WITH FILTER AND PRESSURE REGULATOR (SEE RCV DETAIL)
6. MANIFOLD-TO-ELBOW CONNECTION
7. PVC SUPPLY MANIFOLD
8. AIR/VACUUM RELIEF VALVE (PER LEGEND) PLUMBED TO BLANK TUBING AT EACH HIGH POINT
9. AIR/RELIEF BLANK TUBING LATERAL ON MOUNDS OR BERMS

NOTES:
ALL PERIMETER LATERALS ARE TO BE 2" TO 4" FROM THE EDGE OF PLANTER AREA.

F Techline Center Connection



1. PVC PIPE (PER LEGEND)
2. SCH 40 PVC TEE
3. TECHLINE DRIPLINE TUBING (PER LEGEND)
4. SCH 40 PVC MALE ADAPTER
5. COMPRESSION ADAPTER FITTING
6. SCH 40 PVC CROSS
7. COMPRESSION COUPLING
8. COMPRESSION ELBOW FITTING
9. COMPRESSION TEE FITTING

NOTES:
ALL PERIMETER LATERALS ARE TO BE 2" TO 4" FROM THE EDGE OF PLANTER AREA. CONTRACTOR TO SIZE PVC SUPPLY MANIFOLD TO COMPENSATE FOR FLUSH VALVE FLOWS. THE TOTAL LENGTH OF ALL INTERCONNECTED DRIPLINE SHALL NOT EXCEED THE MAXIMUM RUN LENGTH.

G Techline Fittings

H

Underground Service Alert
Call: TOLL FREE
1-800-227-2600
TWO WORKING DAYS BEFORE YOU DIG

REGISTERED LANDSCAPE ARCHITECT
STATE OF CALIFORNIA
10/23/09
5-18-09

DESIGN GROUP
4649 Brockton Avenue
Riverside, CA 92501
(951) 369-0700
Fax: (951) 369-4039
www.comworksdg.com

BENCHMARK: G3-F2
CITY OF RIVERSIDE BENCHMARK No. G3-F2
BRASS DISK IN A MONUMENT WELL AT THE
INTERSECTION OF ARLINGTON AVENUE AND
VAN BUREN BOULEVARD
ELEVATION: 736.332

MARK	REVISIONS	APPR.	DATE

DESIGNED BY: KCK DRAWN BY: KCK CHECKED BY: TIM

CITY OF RIVERSIDE
PUBLIC WORKS DEPARTMENT
APPROVED BY: [Signature]
PRINCIPAL ENGINEER
DATE: 5/26/09
CITY ENGINEER

STREET IMPROVEMENT PLAN
JURUPA AVENUE
EXTENSION PHASE 1
STA. 64+72.88 TO 70+75.18
IRRIGATION DETAILS
HORIZ. SCALE: N.T.S.

PW07-0110
ACCOUNT NUMBER
R-4013L
SHEET 5 of 7
JOB NUMBER: 090310