

SPECIFIC CONSTRUCTION NOTES

- NUMBERS ABOVE 100 IN HEXAGON ON THE PLAN REFER TO THE RESPECTIVE STANDARD DRAWINGS 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.
- 220 CONSTRUCT 6" WIDE CONCRETE CROSS GUTTER PER CITY STANDARD 220.
- 302 CONSTRUCT DRIVEWAY APPROACH, COMMERCIAL A=30'; R=27' PER CITY STANDARD 302.
- 325 CONSTRUCT CONCRETE CURB SIDEWALK PER CITY STANDARD 325.
- 304 C17 CONSTRUCT WHEELCHAIR RAMP, TYPE III PER CITY STANDARD 304.
- 200 6 CONSTRUCT 6" CURB AND GUTTER TYPE 1, PER CITY STANDARD 200.
- PROTECT IN PLACE EXISTING FEATURES.
XX = EXISTING ITEM TO BE PROTECTED AS FOLLOWS:
TR= TREE; MH= MANHOLE; SGN= SIGN; ELE= ELECTRICAL FACILITY; GV= GAS VALVE;
WV= WATER VALVE; CFB= CATCH BASIN; MLL= EXISTING PLANTER WALL; BNCH= BENCH;
TSC= TRASH ENCLOSED CAN.
- REMOVE EXISTING FEATURES.
XX = EXISTING ITEM TO BE REMOVED AND DISPOSED OF AS FOLLOWS:
WV= EXISTING PLANTER WALL; MB= MAIL BOXES TO BE RELOCATED PER POST OFFICE INDICATION; PB= PULLEY BOX TRAFFIC TO BE RELOCATED OR ADJUST TO GRADE; D/W= DRIVEWAY C & G= CURB AND GUTTER; SW= SIDEWALK; SGN= STREET SIGN TO BE REMOVED/RELOCATED.
ACD= ASPHALT CONCRETE DIKE; TR= TREE TO BE REMOVED.
- WATER SERVICES TO BE RELOCATED BY P.U. WATER DIVISION PRIOR TO CONSTRUCTION;
XX = EXISTING ITEM TO BE RELOCATED PER UTILITY PLANS;
WM= WATER METER; MCV= WATER CHECK VALVE; WVT= WATER VAULT TO BE RELOCATED OR ADJUST TO GRADE.
- C S1 CONSTRUCT PAVEMENT STRUCTURAL SECTION 5" AC OVER 8" CLASS II AGGREGATE BASE OVER 90% COMPACTED NATIVE SOIL. PER SOILS REPORT SR# 1733, R-VALUE 43, DONE BY SoCalGeo DATED JULY 24, 2013.
- TR CONTRACTOR SHALL SCHEDULE THE REMOVAL OF TREES BY CITY FORCES.
- E REMOVE EXISTING ELECTRIC FACILITY. XX= EXISTING ITEM TO BE REMOVED AS FOLLOWS:
SL= STREET LIGHT.

CONSTRUCTION NOTES & ESTIMATE OF QUANTITIES

CONST. NOTE	DESCRIPTION	QUANTITY	UNIT
220 6	CONSTRUCT 6" WIDE CONCRETE CROSS GUTTER & SPANDREL PER CITY STANDARD NO. 220.	2,978/4	S.F./EA.
302	CONSTRUCT D/W APPROACH, COMMERCIAL A=30'; R=27' PER CITY STANDARD NO. 302.	5	EA.
302	CONSTRUCT D/W APPROACH, COMMERCIAL A=24'; R=27' PER CITY STANDARD NO. 302.	1	EA.
302 C17	CONSTRUCT D/W APPROACH, TYPE CURB-II : A=21.5'; B=36'; 4' BYPASS S/W PER CITY STANDARD NO. 302 & DETAIL SHEET NO. 2.	1	EA.
325	CONSTRUCT CONCRETE CURB SIDEWALK PER CITY STANDARD NO. 325.	2,858	S.F.
304 C17	CONSTRUCT WHEELCHAIR RAMP, TYPE III PER CITY STANDARD NO. 304.	9	EA.
200 6	CONSTRUCT CURB AND GUTTER TYPE 1, PER CITY STANDARD NO. 200.	169	L.F.
C S1	CONSTRUCT PAVEMENT STRUCTURAL SECTION 5" AC OVER 8" CLASS II AGGREGATE BASE OVER 90% COMPACTED NATIVE SOIL.	9,732	S.F.
REM XX	REMOVAL OF EXISTING FEATURES	0	EA.
E XX	REMOVAL OF EXISTING ELECTRICAL FACILITIES.	1	EA.
W XX	WATER SERVICES TO BE RELOCATED BY P.U. WATER DIVISION AND PER UTILITY PLAN.	4	EA.
REM TR	REMOVAL OF EXISTING TREES BY CITY FORCES.	8	EA.
C S2	CONSTRUCT CONCRETE PAVEMENT STRUCTURAL SECTION 6" THICK OVER 90% COMPACTED NATIVE SOIL.	1,134	S.F.
REM C&G	REMOVAL OF CURB AND GUTTER	524	L.F.
REM D/W	REMOVAL OF DRIVEWAY APPROACHES	5	EA.
REM S/W	REMOVAL OF PCC SIDEWALK	3,033	S.F.
REM WLL	REMOVAL OF KNEE HIGH WALL.	187	L.F.

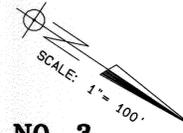
PUBLIC UTILITIES DEPARTMENT NOTE

CONTRACTOR TO GIVE CITY WATER DIVISION FIVE (5) WORKING DAYS WRITTEN NOTICE PRIOR TO START OF CONSTRUCTION AND ALLOW CITY FIFTEEN (15) WORKING DAYS FOR COMPLETION OF WORK.
951/351-6368

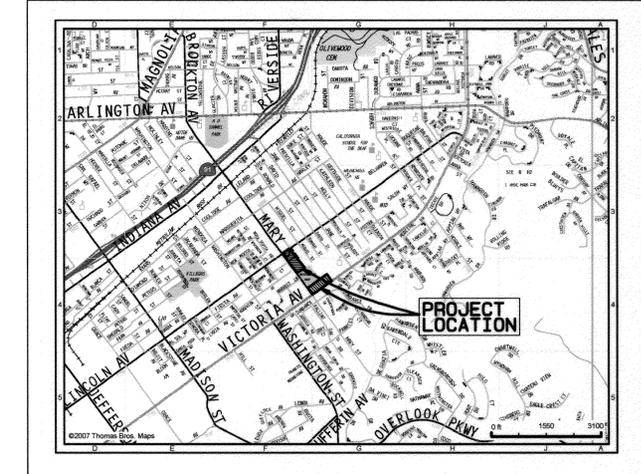
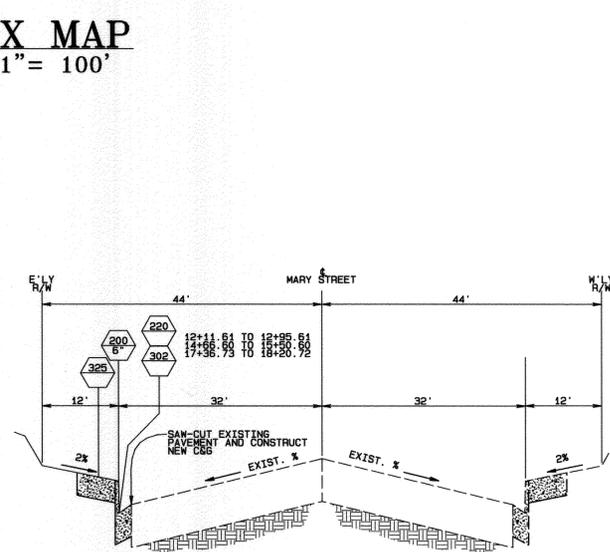
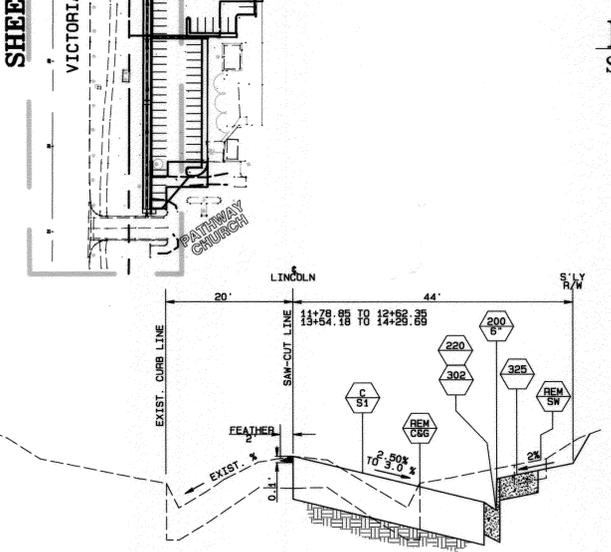
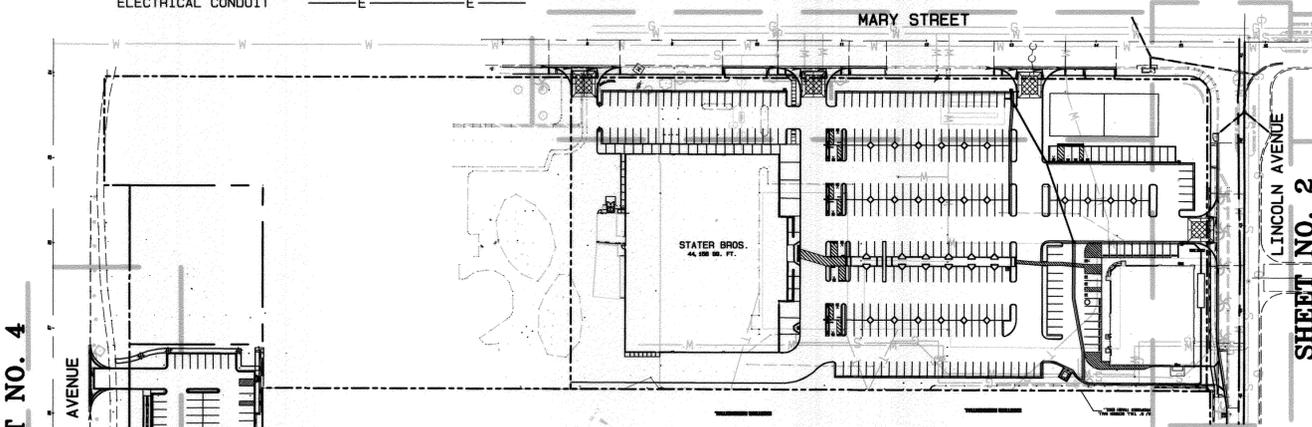
IN THE CITY OF RIVERSIDE STATER BROS. MARKETS NO. 39 LINCOLN AVE. AND MARY ST. STREET IMPROVEMENTS PLANS

EXISTING UNDERGROUND UTILITIES:

SANITARY SEWER	— S —	S
WATER LINE	— W —	W
STORM DRAIN	— S D —	S D
GAS LINE	— G —	G
TELEPHONE CONDUIT	— T —	T
ELECTRICAL CONDUIT	— E —	E



SHEET NO. 3



GENERAL CONSTRUCTION NOTES

1. NO PERSON SHALL PERFORM ANY CONSTRUCTION ACTIVITY OR INSTALL ANY OBJECTS WITHIN THE PUBLIC RIGHTS-OF-WAY OR EASEMENT FOR THE CITY OF RIVERSIDE WITHOUT THE 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 RE-ESTABLISHING AND REFERENCING SURVEY MONUMENTS DESTROYED, DISTRIBUTED OR BURIED AS A RESULT OF CONSTRUCTION SHOWN HEREON.
7. ALL FLAGGED ELEVATIONS SHALL BE STAKED IN THE FIELD BY THE PRIVATE ENGINEER.
8. WHERE NEW PAVEMENT IS TO JOIN THE EXISTING PAVEMENT, THE EDGE OF THE EXISTING PAVEMENT SHALL BE TRIMMED TO A SMOOTH AND STRAIGHT LINE. CONSTRUCTION MATCH-UP PAVING AS SHOWN ON THE PLANS AND OVERLAY PAVING AS DIRECTED IN THE FIELD TO PRODUCE A SMOOTH SECTION.
9. 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.
10. THE DEVELOPER AND/OR CONTRACTOR 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.
11. 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.
12. ALL TRAFFIC SIGNS SHALL BE INSTALLED PRIOR TO OPENING THE STREETS TO TRAFFIC.
13. ANY TRAFFIC CONTROL STRIPING OBLITERATED AND/OR BADLY WORN DURING CONSTRUCTION WILL BE RESTORED BY THE CONTRACTOR WITHIN FIVE DAYS AFTER NOTIFICATION FROM THE CITY INSPECTORS.
14. 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.
15. FINAL STRIPING FOR TRAFFIC CONTROL AND/OR PAVEMENT MARKING TO BE THE RESPONSIBILITY OF THE DEVELOPER.
16. 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.
17. CONTRACTOR IS TO VERIFY EXISTING SEWER ELEVATION PRIOR TO CONSTRUCTION.
18. LOCATION OF LATERALS TO BE DETERMINED IN THE FIELD AT THE DIRECTION OF THE OWNER. AVOID CONFLICT WITH PROPOSED AND/OR EXISTING FACILITIES.
19. NO FINISHED FLOOR ELEVATION SHALL BE LESS THAN 6" ABOVE THE UPPER MANHOLE RIM ELEVATION UNLESS THE SEWER LINE SECTION BEING CONNECTED TO, WITHOUT HAVING A PROPER BACKWATER VALVE INSTALLED IN THE LATERAL.
20. THE SEWER CONTRACTOR SHALL ADJUST MANHOLES TO FINAL GRADE AFTER PAVING IS COMPLETED.
21. 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.

SHEET INDEX

SHEET No.	DESCRIPTION
1	COVER SHEET
2	LINCOLN AVENUE STREET IMPROVEMENTS
3	MARY ST. STREET IMPROVEMENTS
4	VICTORIA AVENUE STREET IMPROVEMENTS STA. 13+00 TO STA. 15+00.

**CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT
WATER DIVISION**

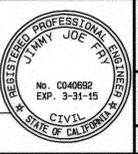
APPROVED BY: *MW McLe* DATE: 11/19/13

**CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT
ELECTRIC DIVISION**

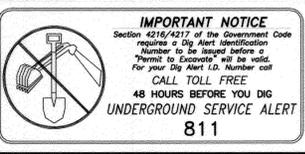
APPROVED BY: *Emaji* DATE: 11-19-13

Ludwig Engineering
Civil Engineering - Surveying - Planning
109 East 3rd Street
San Bernardino, CA 92410
Phone: (909) 884-8877
Fax: (909) 889-3193

PLANS PREPARED UNDER THE SUPERVISION OF:
Jimmy Joe Fry 11-8-13
JIMMY JOE FRY
R.C.E. C040692 EXP. 3-31-15



BENCH MARK:
66-82, BRASS DISK IN MONUMENT WELL AT THE INTERSECTION OF MARY STREET AND VICTORIA AVENUE. EL=944.50, 1929 DATUM.
ADDRESS:
P.O. BOX 150 SAN BERNARDINO, CA 92410
APN: 235-101-014-1, -015-2, & -016-3
MAPPING BY:
LUDWIG ENGINEERING FIELD TOPO



FIELD BOOK REF.

MARK	REVISIONS	APPR	DATE

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

APPROVED BY: *Ann Beid* DATE: 12/11/2013
CITY ENGINEER/PW DIRECTOR

**STREET IMPROVEMENT PLANS
STATER BROS. MARKET NO. 39**

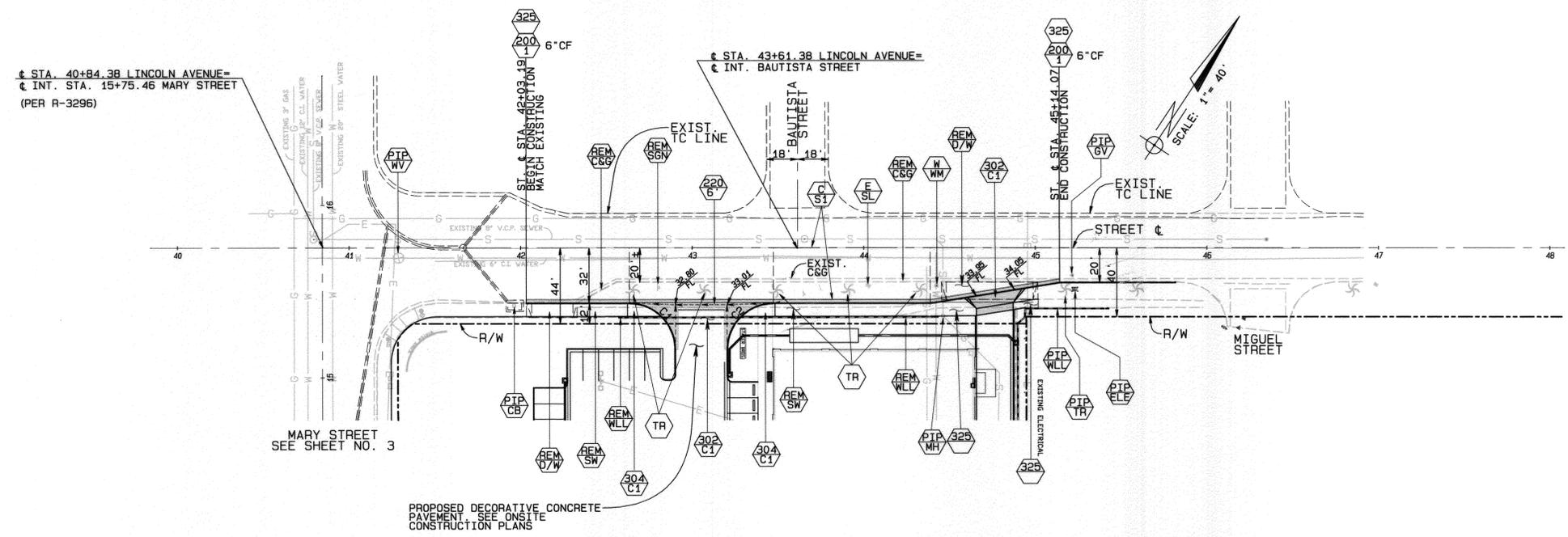
COVER SHEET

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

PW13-0237
R- 4273
SHEET 1 OF 4

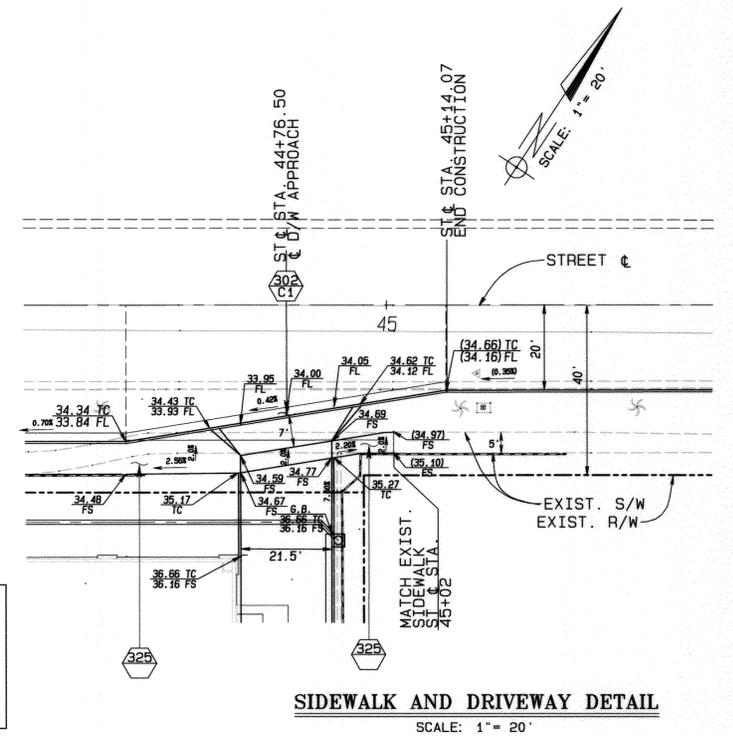


PROFILE SCALE
 Vert. Scale: 1" = 4'
 Horz. Scale: 1" = 40'



LINCOLN AVENUE
 SEE SHEET NO. 1 FOR TYPICAL SECTION

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	90°00'17"	27.00'	42.41'	27.00'
C2	89°59'43"	27.00'	42.41'	27.00'



**CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT
 WATER DIVISION**

APPROVED BY: *MW Muel* DATE: 11/18/13
 VOID ONE YEAR FROM THIS DATE

**CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT
 ELECTRIC DIVISION**

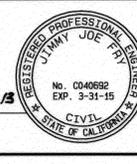
APPROVED BY: *Smaija* DATE: 11-19-13

CITY OF RIVERSIDE BUSINESS TAX NO. BL00137029

Ludwig Engineering
 ASSOCIATES, INC.
 Civil Engineering - Surveying - Planning
 109 East 3rd Street
 San Bernardino, CA 92410
 (909) 884-8817
 Fax: (909) 888-0153

PLANS PREPARED UNDER THE SUPERVISION OF:

Jimmy Joe Fry 11-8-13
 JIMMY JOE FRY
 R.C.E. C040692 EXP. 3-31-15



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MAPPING BY:
 LUDWIG ENGINEERING FIELD TOPO

IMPORTANT NOTICE
 Section 4219.4217 of the Government Code requires a Dig Alert Identification Number to be located before a "Permit to Excavate" will be issued. For your Dig Alert ID Number call CALL TOLL FREE 48 HOURS BEFORE YOU DIG UNDERGROUND SERVICE ALERT 811

MARK	REVISIONS	APPR	DATE

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

APPROVED BY: *Tom Bad* DATE: 12/11/2013
 CITY ENGINEER/PW DIRECTOR

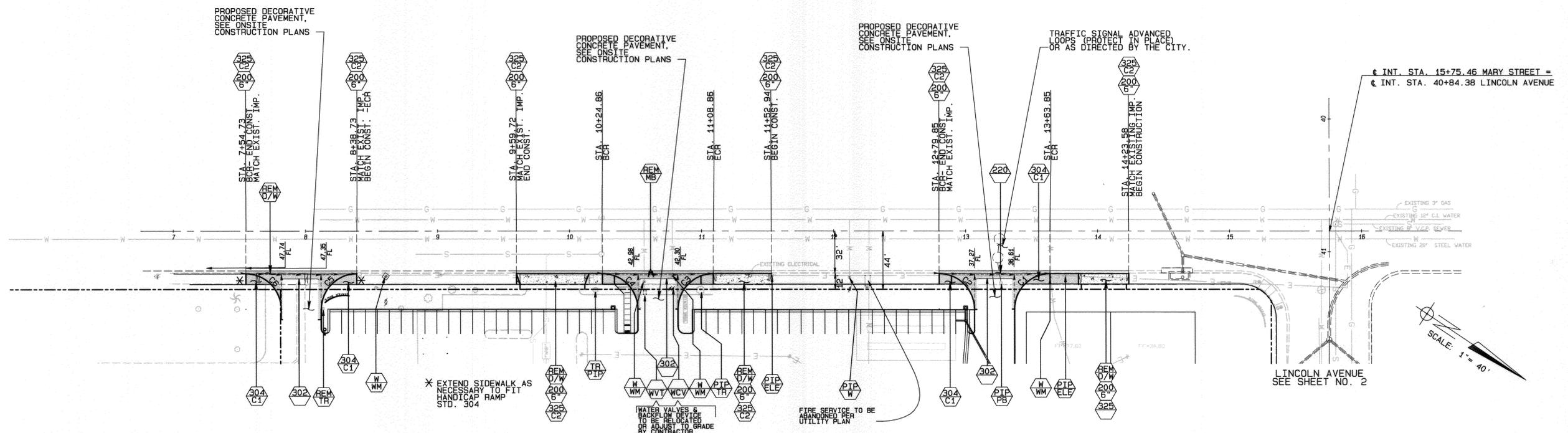
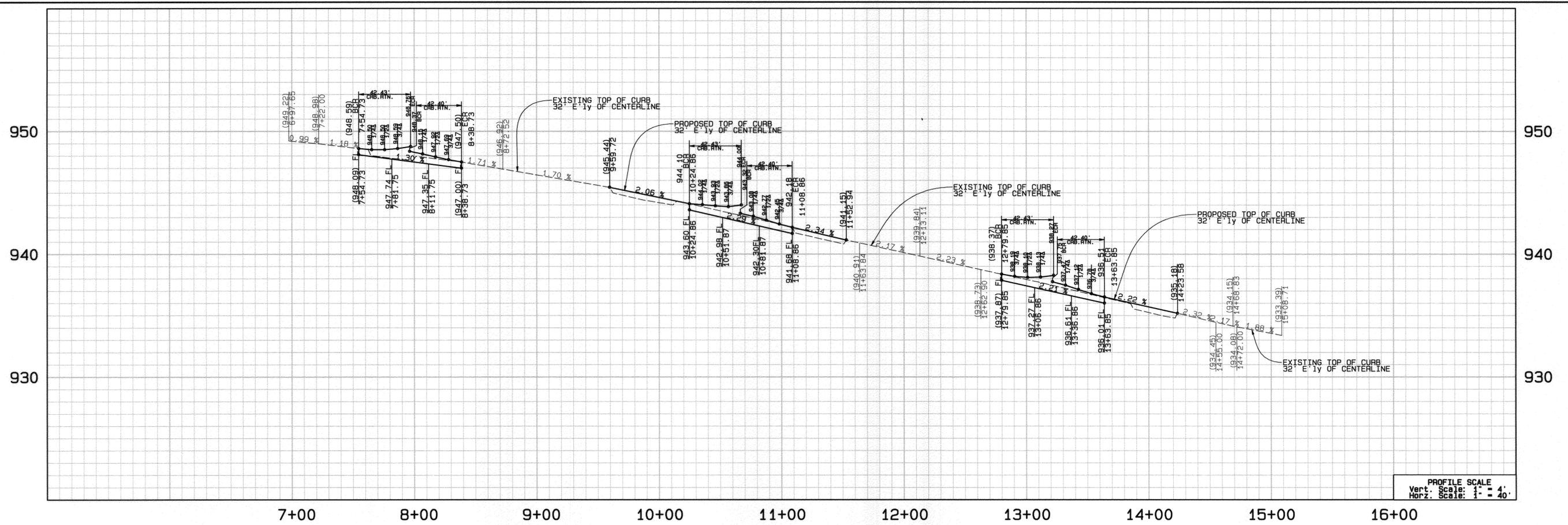
**STREET IMPROVEMENT PLANS
 STATER BROS. MARKET NO. 39**

LINCOLN AVENUE
 FROM STA. 41+00.00 TO STA. 47+00.00

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

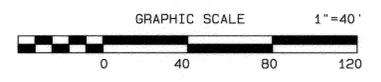
PW13-0237
 R- 4273
 SHEET 2 OF 4

ARE PROJ. JOB. NUM. 10. PLANS STATER BROS. MKT. NO. 39 IN RIVERSIDE ENGINEERED SITE PLAN STREET IMP PLANS 2-25-13 PRE 7 NOV 2013 2:31PM



MARY STREET
 SEE SHEET NO. 1 FOR TYPICAL SECTION

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	89°58'04"	27.00'	42.40'	26.98'
C2	90°01'56"	27.00'	42.43'	27.02'
C3	89°58'04"	27.00'	42.40'	26.98'
C4	90°01'56"	27.00'	42.43'	27.02'
C5	89°58'04"	27.00'	42.40'	26.98'
C6	90°02'35"	27.00'	42.43'	27.02'

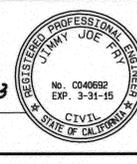


CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT
 WATER DIVISION
 APPROVED BY: *MW McNeil* 11/19/13
 VOID ONE YEAR FROM THIS DATE

CITY OF RIVERSIDE
 PUBLIC UTILITIES DEPARTMENT
 ELECTRIC DIVISION
 APPROVED BY: *SMSja* 11-19-13

CITY OF RIVERSIDE BUSINESS TAX NO. BL00137029
Ludwig Engineering
 ASSOCIATES, INC.
 Civil Engineering - Surveying - Planning
 109 East 3rd Street
 San Bernardino, CA 92410
 (909) 884-8817
 Fax: (909) 888-0153

PLANS PREPARED UNDER THE SUPERVISION OF:
Jimmy J. Fry 11-8-13
 JIMMY JOE FRY
 R.C.E. C040692 EXP. 3-31-15



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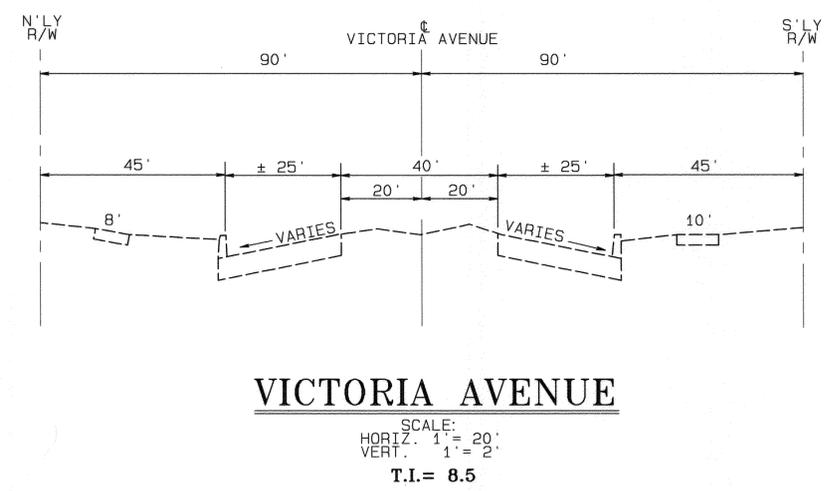
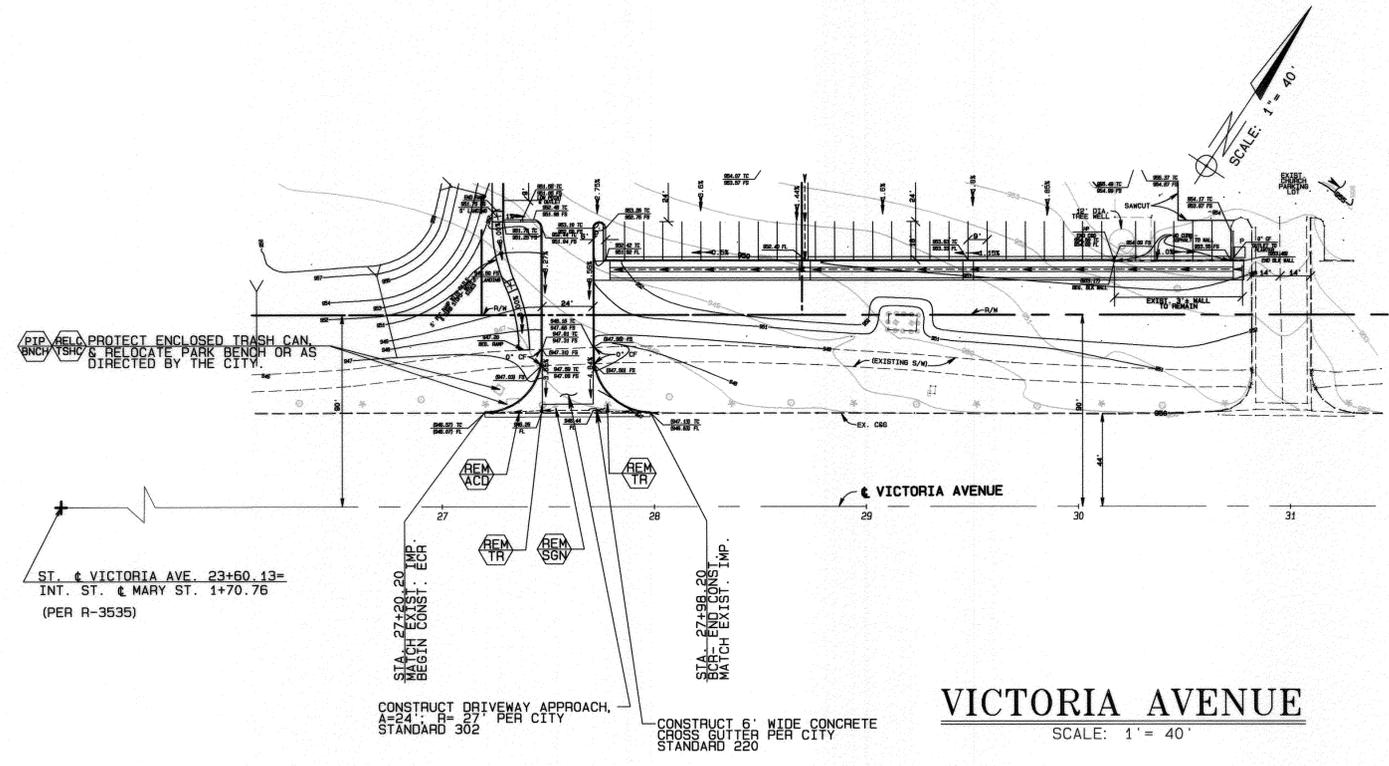
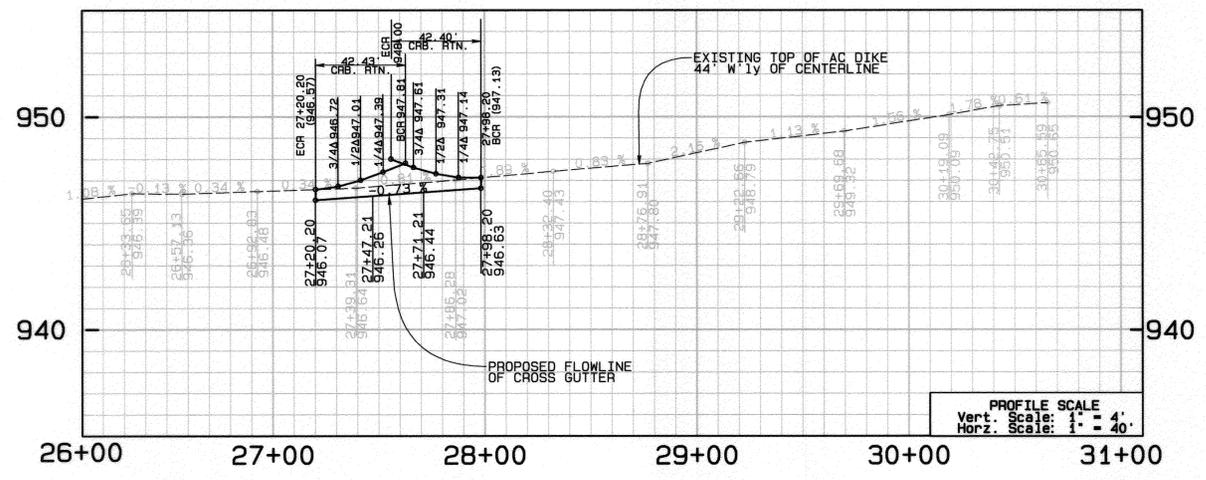
IMPORTANT NOTICE
 Section 4119.4217 of the Government Code
 requires a Dig Alert identification
 Number to be placed before a
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 For your Dig Alert ID Number call
 CALL TOLL FREE
 48 HOURS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT
 811

MARK	REVISIONS	APPR	DATE

CITY OF RIVERSIDE, CALIFORNIA
 PUBLIC WORKS DEPARTMENT
 APPROVED BY: *Tom Boyd*
 CITY ENGINEER/PW DIRECTOR
 DATE: 12/10/2013

STREET IMPROVEMENT PLANS
STATER BROS. MARKET NO. 39
MARY STREET
 FROM STA. 6+00.00 TO STA. 16+00.00
 HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 4'

PW13-0237
 R- 4273
 SHEET 3 OF 4



**CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT
WATER DIVISION**

APPROVED BY: *MW McNeil* DATE: 11/18/13
VOID ONE YEAR FROM THIS DATE

**CITY OF RIVERSIDE
PUBLIC UTILITIES DEPARTMENT
ELECTRIC DIVISION**

APPROVED BY: *S. Mejia* DATE: 11-19-13

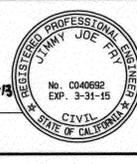
CITY OF RIVERSIDE BUSINESS TAX NO. BL00137029

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Civil Engineering - Surveying - Planning
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(909) 882-8217
Fax: (909) 889-0153

PLANS PREPARED UNDER THE SUPERVISION OF:

Jimmy J. Fry 11-8-13

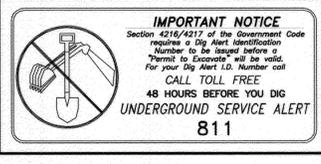
JIMMY JOE FRY
R.C.E. C040692 EXP. 3-31-15



BENCH MARK:
66-B2, BRASS DISK IN MONUMENT
WELL AT THE INTERSECTION OF
MARY STREET AND VICTORIA
AVENUE. EL=944.50, 1929 DATUM.

ADDRESS:
P.O. BOX 150 SAN BERNARDINO, CA 92410
APN: 235-101-014-1, -015-2, & -016-3

MAPPING BY:
LUDWIG ENGINEERING FIELD TOPO



MARK	REVISIONS	APPR	DATE

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

APPROVED BY: *Tom Bud* DATE: 12/1/2013
CITY ENGINEER/PW DIRECTOR

**STREET IMPROVEMENT PLANS
STATER BROS. MARKET NO. 39**

VICTORIA AVENUE
FROM STA. 26+00 TO STA. 31+00

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

PW13-0237

R- 4273

SHEET 4 OF 4