

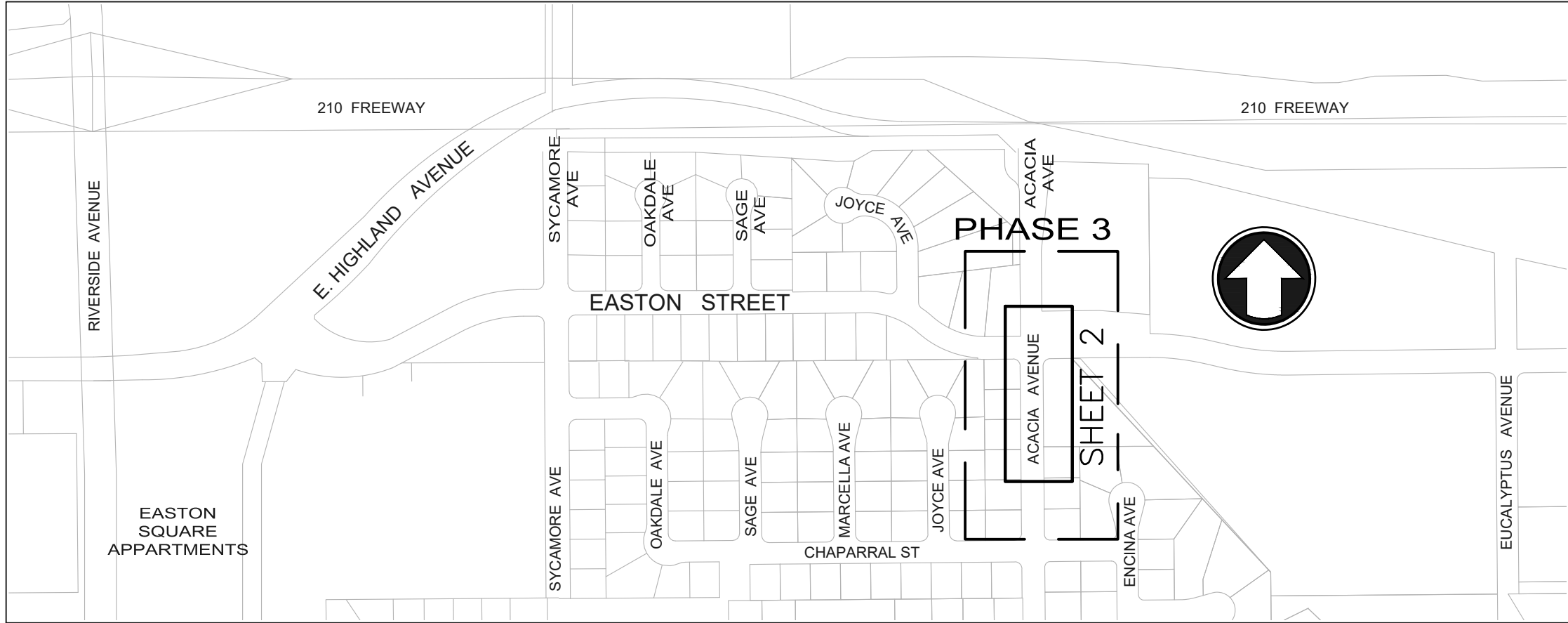
CITY OF RIALTO

EASTON STREET SIDEWALK IMPROVEMENTS PHASE - 3

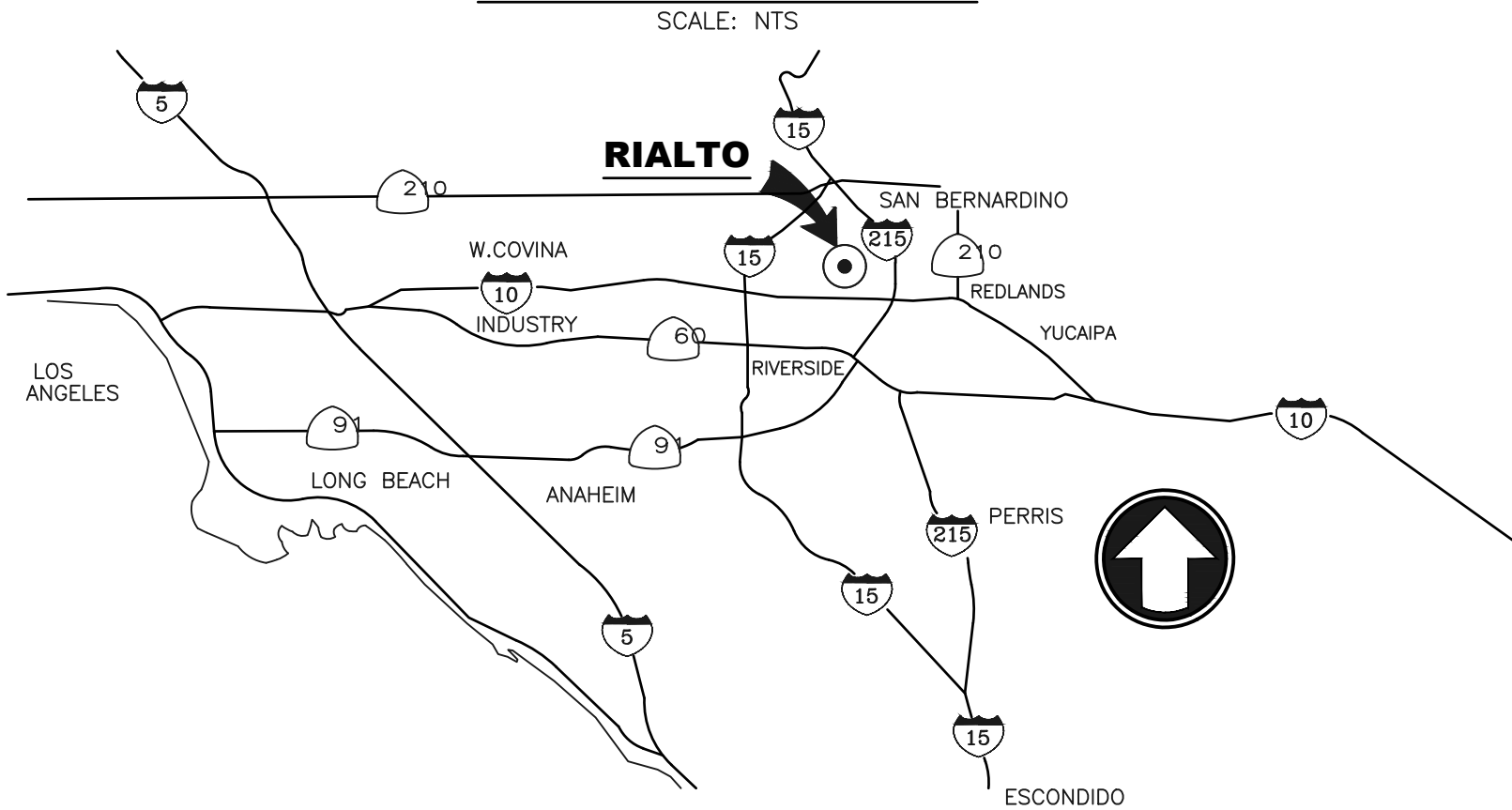
ACACIA AVENUE

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH CITY OF RIALTO STANDARD DRAWINGS, STANDARD SPECIAL PROVISIONS, AND THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, WITH SUPPLEMENTS. ANY VARIATION FROM OR EXCEPTION TO THE STANDARDS OR FOLLOWING GENERAL NOTES MUST BE APPROVED THE CITY ENGINEER.
2. ALL EXISTING IMPROVEMENTS INCLUDING CURB AND GUTTERS, SIDEWALKS, ASPHALT/CONCRETE OR P.C.C. PAVING, WHICH ARE BEING JOINED OR MATCHED SHALL BE DONE TO THE SATISFACTION OF THE CITY ENGINEER, INCLUDING NECESSARY SAW CUTTING, REMOVAL, REPLACEMENT AND CAPPING.
3. ANY EXISTING TRAVEL WAYS IN WHICH AN EXCAVATION IS MADE IN CONJUNCTION WITH THIS PROJECT SHALL BE COVERED BY PERMIT. THIS AREA SHALL BE PROPERLY POSTED AND LIGHTED IN CONFORMANCE WITH THE STATE MANUAL OF WARNING SIGNS, LIGHT, AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS IN ORDER TO ELIMINATE ANY HAZARDS. STREET SHALL BE SURFACED WITH A MINIMUM OF 2" OF ASPHALT AT THE END OF EACH WORKING DAY.
4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND SHALL NOTIFY THE CITY FIELD INSPECTORS AT LEAST 48 HOURS PRIOR TO STARTING EACH PHASE OF CONSTRUCTION AND PRIOR TO REQUIRING INSPECTION.
5. ALL UTILITIES SHALL BE INSTALLED PRIOR TO PAVING OF THE STREETS. ALL TRENCHES SHALL BE FULLY COMPACTED TO THE SATISFACTION OF THE CITY ENGINEER. ALL MANHOLES AND VALVE BOX FRAMES SHALL BE ADJUSTED TO FINISHED GRADES AFTER COMPLETION OF CONSTRUCTION.
6. THE CONTRACTOR SHALL DETERMINE THE TRUE LOCATION OF ANY UNDERGROUND UTILITY PRIOR TO LAYING ANY LINES WHICH ARE TO CONNECT THE EXISTING SEWER, WATER, OR STORM DRAINS. THESE LINES SHALL BE EXPOSED AND JOIN ELEVATIONS VERIFIED. ANY CHANGE IN GRADE OR DEVIATION FROM THE PLANS MUST BE APPROVED BY THE CITY ENGINEER.
7. ADVERTISING SIGNS WILL NOT BE PERMITTED WITHIN THE STREET RIGHT-OF-WAY.
8. TREES SHALL BE PLANTED WITHIN THE STREET RIGHT-OF-WAY IN ACCORDANCE WITH THE CITY OF RIALTO REQUIREMENTS.
9. STRUCTURAL SECTION OF PAVEMENT SHALL BE DETERMINED BY THE PRIVATE SOILS ENGINEER. THE PRIVATE SOILS ENGINEER SHALL FURNISH THE RESULTS OF R-VALUE TESTS AND STRUCTURAL SECTION CALCULATIONS TO THE CITY ENGINEER FOR APPROVAL. IN NO CASE SHALL THE STRUCTURAL SECTION BE LESS THAN IS REQUIRED BY CITY OF RIALTO STANDARD DRAWING S-100.
10. COMPACTION TESTING SHALL BE PERFORMED BY THE SOILS ENGINEER TO THE SATISFACTION OF THE CITY ENGINEER. THE SUBGRADE SHALL BE COMPACTED TO 90% WITH THE TOP 6 INCHES BELOW THE ASPHALT PAVING COMPACTED TO 95%. IF THE AGGREGATED BASE IS THICKER THAN ONE FOOT, THE ENTIRE THICKNESS OF THE BASE MATERIAL SHALL BE COMPACTED TO 95%.
11. SEWER MAIN AND LATERALS SHALL BE CONSTRUCTED, BACKFILL COMPACTED, AND TESTED PRIOR TO CONSTRUCTION OF CURB AND GUTTER.
12. THE CURB AND GUTTER SHALL BE "ETCHED" SHOWING LATERAL LOCATIONS "S" FOR SEWER, "G" FOR GAS, "E" FOR ELECTRICAL AND "W" FOR WATER.
13. TRAFFIC CONTROL AND SAFETY DEVICES SHALL BE PLACED AND MAINTAINED PER THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION MANUAL OF WARNING SIGNS LIGHTS, AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS AND TO THE SATISFACTION OF THE CITY ENGINEER.
14. NOTICE TO CONTRACTORS: THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. APPROVAL OF THESE PLANS BY THE CITY OF RIALTO DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OF COMPLETENESS OF THE LOCATION OR EXISTENCE OR NON-EXISTENCE OF ANY UNDERGROUND UTILITY PIPE OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THE CONTRACTOR IS REQUIRED TO TAKE ALL DUE PRECAUTIONARY MEANS TO PROTECT THE UTILITY LINES NOT OF RECORD OR NOT SHOWN O THESE PLANS.
15. PRIVATE ENGINEERS NOTICE: PRIOR TO CONSTRUCTION, SEWER AND WATER CONTRACTORS SHALL ASCERTAIN THE CORRECTNESS OF WATER SERVICES AND SEWER LATERAL LOCATIONS WITH THE DEVELOPER. ANY DEVIATION FROM LOCATIONS SHOWN ON THESE PLANS SHALL BE REPORTED TO THE ENGINEER FOR ADJUSTMENT PRIOR TO CALLING FOR ANY CONSTRUCTION STAKING REQUIRED.
16. PRIOR TO THE CITY RELEASING THE BOND FOR THE PUBLIC IMPROVEMENTS, THE ENGINEER OF RECORD SHALL SUBMIT A COMPLETE SET OF "AS BUILT" PLANS ON MYLAR TO THE CITY ENGINEERING SECTION AND THE TIE SHEETS FOR NECESSARY MONUMENTATION SHALL ALSO BE SUBMITTED TO THE CITY.
17. STATE LAW (SB 3019) REQUIRES THE CONTRACTOR TO CONTACT UNDERGROUND SERVICE ALERT AND OBTAIN AN IDENTIFICATION NUMBER PRIOR TO THE ISSUANCE OF THE CITY'S ENCROACHMENT PERMIT. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT TWO FULL WORKING DAYS (48 HOURS MINIMUM) IN ADVANCE OF ANY CONSTRUCTION ACTIVITIES, INCLUDING PAVEMENT REMOVAL, EXCAVATION AND A.C. OVERLAY, WHICH COULD AFFECT ANY UNDERGROUND UTILITY.
18. PRIOR TO ANY CONSTRUCTION WORK, THE CONTRACTOR SHALL OBTAIN A CITY BUSINESS LICENSE AND PERMIT.
19. PRIOR TO TAKING ANY WATER FROM A FIRE HYDRANT, THE CONTRACTOR SHALL MAKE ARRANGEMENTS TO OBTAIN A FIRE HYDRANT WATER METER.
20. ALL STREET TRENCHING, BACKFILLING AND PAVEMENT REPAIRS SHALL BE DONE IN ACCORDANCE WITH CITY STANDARD DRAWING SC-231.
21. ALL IRRIGATION LINES TO BE REMOVED, RELOCATED OR RECONSTRUCTED AS SHOWN AND/OR AS DIRECTED BY THE PUBLIC WORKS INSPECTOR IN THE FIELD.
22. CONTRACTOR SHALL REMOVE AND/OR INSTALL PAVEMENT MARKING AND STRIPING. PLACEMENT AND SCHEDULING TO BE DETERMINED BY INSPECTOR IN THE FIELD.
23. THE CONTRACTOR SHALL NOT ORDER OR PLACE ANY PORTLAND CEMENT CONCRETE OR ASPHALT CONCRETE PAVING UNTIL THE FORMS AND SUBGRADE AND/OR AGGREGATE BASE HAVE BEEN INSPECTED AND APPROVED BY THE CITY INSPECTOR IN THE FIELD.
24. STRICT ADHERENCE TO DUST CONTROL REQUIREMENTS SHALL BE ENFORCED, AND ALL DUST SHALL BE CONTROLLED BY WATERING, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
25. IF ANY EXISTING UTILITIES OR ANY OTHER FACILITIES CONFLICT WITH THE PROPOSED IMPROVEMENT, WORK SHALL STOP AND THE ENGINEER SHALL BE MORTIFIED IMMEDIATELY.
26. THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING AND UNTIL ALL UNACCEPTABLE CONCRETE AND/OR ASPHALT WORK HAS BEEN REMOVED AND REPLACED UNLESS OTHERWISE APPROVED BY THE ENGINEER.
27. ALL PERMANENT TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE LOCATED AS SPECIFIED IN THE FIELD BY THE CITY ENGINEER PRIOR TO FINAL APPROVAL OF IMPROVEMENTS.
28. REPAIR OR REPLACE ANY DAMAGED OR ALTERED EXISTING IMPROVEMENTS WITHIN PUBLIC RIGHT-OF-WAY AS DIRECTED BY THE ENGINEER IN THE FIELD.
29. ALL SURVEY MONUMENTS SHALL BE PROTECTED AND PERPETUATED IN PLACE ANY DISTURBED OR COVERED MONUMENTS SHALL BE RESET BY A QUALIFIED REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
30. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZED THEMSELVES WITH THE WORK SITE AND SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM THEIR OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.
31. CARE SHOULD BE TAKEN TO PREVENT GRADED DITCHES AND SWALES FROM UNDERMINING STREET IMPROVEMENTS. UPON INSPECTION OF THE SITES, THE CITY ENGINEER MAY REQUIRE TEMPORARY GUNITE SWALES, ENTERING OR LEAVING IMPROVEMENTS.
32. APPROVAL OF THESE PLANS BY THE CITY OR ITS AGENTS DOES NOT RELIEVE THE ENGINEER AND THE APPLICANT FORM THE RESPONSIBILITY FOR THE CORRECTION OF ERRORS OR OMISSIONS DISCOVERED DURING CONSTRUCTION. UPON REQUEST, THE APPROPRIATE PLAN REVISIONS SHALL BE PROMPTLY SUBMITTED TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.
33. MANHOLE FRAMES AND COVERS TO BE CONSTRUCTED BY THE CONTRACTOR 6" BELOW FINISH GRADE. UPON COMPLETION OF PAVING, THE PAVING CONTRACTOR SHALL ADJUST TOP OF MANHOLE TO FINISH GRADE.
34. ALL AREAS TO BE PAVED SHALL BE STERILIZED AS DIRECTED BY THE CITY ENGINEER PRIOR TO PAVING.
35. A SEAL COAT OF SS1H WILL BE REQUIRED ON ALL NEW ASPHALT CONCRETE APPLIED AT THE RATE OF 0.075 GALLS PER SQUARE YARD.



PROJECT LOCATION MAP



VICINITY MAP

SHEET INDEX		
SHT NO	STREET NAME	DESCRIPTION
1	COVER SHEET	BASIS OF BEARINGS, BENCH MARK, CONSTRUCTION NOTES, GENERAL NOTES AND LEGEND
2	ACACIA AVENUE	SIDEWALK IMPROVEMENTS - STA 97+00 TO STA 100+00 CURB RAMP DETAIL "A", DRIVEWAY DETAIL "B", POWER POLE RELOCATION DETAIL "C" AND RETAINING WALL DETAIL

TOPOGRAPHY SOURCE

THE PRIZM GROUP
310 N. COTA, SUITE 1
CORONA, CA 92880
(951) 737-4406

BASIS OF BEARINGS

THE BEARING SHOWN HEREON IS BASED ON THE CENTERLINE OF EASTON STREET AS SHOWN ON PARCEL MAP NO. 6723 BOOK '86, PAGE 33. RECORDS OF SAN BERNARDINO COUNTY,

SAID LINE BEARS N 89°44'59" E

BENCH MARK

THE BENCH MARK FOR THIS SURVEY IS A BRASS CAP. LOCATION AS DESCRIBED AS CITY OF RIALTO BRASS DISC SET IN PCC BASE FOR STREET LIGHT No.2348007E, 6FT EAST OF CURB, 42FT EAST OF CENTERLINE OF CACTUS AVENUE AND 62FT NORTH OF CENTERLINE NORWOOD STREET

ELEVATION: 1465.72' (1929)

CONSTRUCTION NOTES

- ① CONSTRUCT SIDEWALK (CURB ADJACENT) PER CITY STD NO. SC-203 AND SC-209 1,250 SF
- ③ CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH (CURB SIDEWALK) PER CITY STD NO. SC-211 330 SF
- ⑤ CONSTRUCT RESIDENTIAL DRIVEWAY PER SAN BERNARDINO COUNTY STD NO. 131 360 SF
- ⑧ CONSTRUCT RETAINING WALL (CMU SPLIT FACE 1 SIDE) PER CALTRANS STD PLAN B3-7B, TYPE 6A (6' MAX) 68 LF
- ⑨ CONSTRUCT CROSS GUTTER AND FILLET PER CITY STD NO. SC-216 190 SF
- ⑫ CONSTRUCT CURB RAMP PER CITY STD NO. SC-215, CASE B TYPE 2 1 EA
- ⑳ CONSTRUCT SLOUGH WALL (CMU SPLIT FACE 1 SIDE) PER SPPWC STD PLAN 622-4. 80 LF
- ㉑ INSTALL WHITE 12" CROSSWALK PER CALTRANS STD PLAN A24F, BASIC 480 LF
- ㉒ INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STD PLAN A24E, LIMIT LINE 1 EA
- ㉓ INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STD PLAN A24E, WORD "STOP". 4 EA

ESTIMATED QUANTITIES

REMOVAL NOTES

- P PROTECT IN PLACE
- 1 REMOVE EXISTING SIDEWALK 640 SF
- 2 REMOVE EXISTING CURB RAMP 190 SF
- 3 REMOVE EXISTING DRIVEWAY APPROACH 550 SF
- 6 REMOVE AND REPLACE AC PAVEMENT 60 SF
- 9 REMOVE EXISTING CROSS GUTTER 190 SF
- 11 REMOVE WALL AND FOOTING 178 LF
- 13 RELOCATE EXISTING MAILBOX PER CITY STD NO. SC-224 1 EA
- 14 RELOCATE EXISTING SCE POWER POLE AND GUY WIRE (BY OTHERS) 1 EA
- 15 REMOVE EXISTING SCE POWER POLE AND GUY WIRE (BY OTHERS) 1 EA
- 16 REMOVE EXISTING DRIVEWAY 445 SF

LEGEND

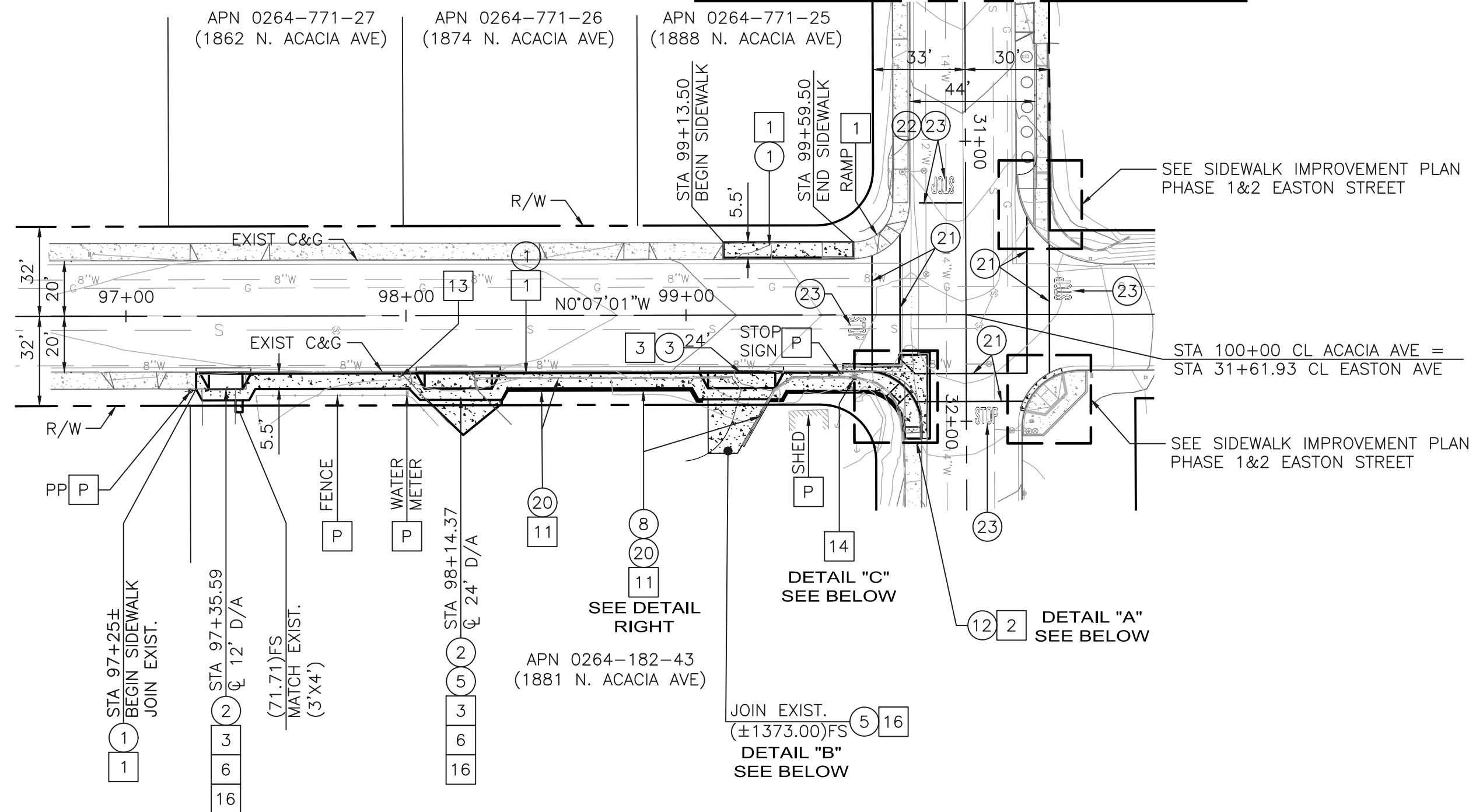
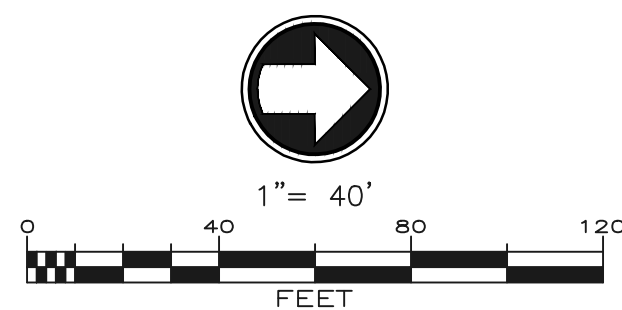
EXISTING FEATURES

- 8"W 8"W EXISTING WATER
- 8"ABND EXISTING ABANDONED WATER
- S S EXISTING SEWER
- G G EXISTING GAS
- E EXISTING ELECTRIC
- CATV CATV EXISTING CABLE
- EXISTING WALL
- X X X EXISTING CONCRETE SIDEWALK
- EXISTING FENCE
- EXISTING SEWER MH
- EXISTING STORM DRAIN MH
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING METER
- EXISTING IRRIGATION VALVE
- EXISTING POWER POLE & GUY WIRE
- EXISTING MAILBOX
- EXISTING TREES
- EXISTING SIGN
- EXISTING STREET LIGHT
- EXISTING TRAFFIC SIGNALS

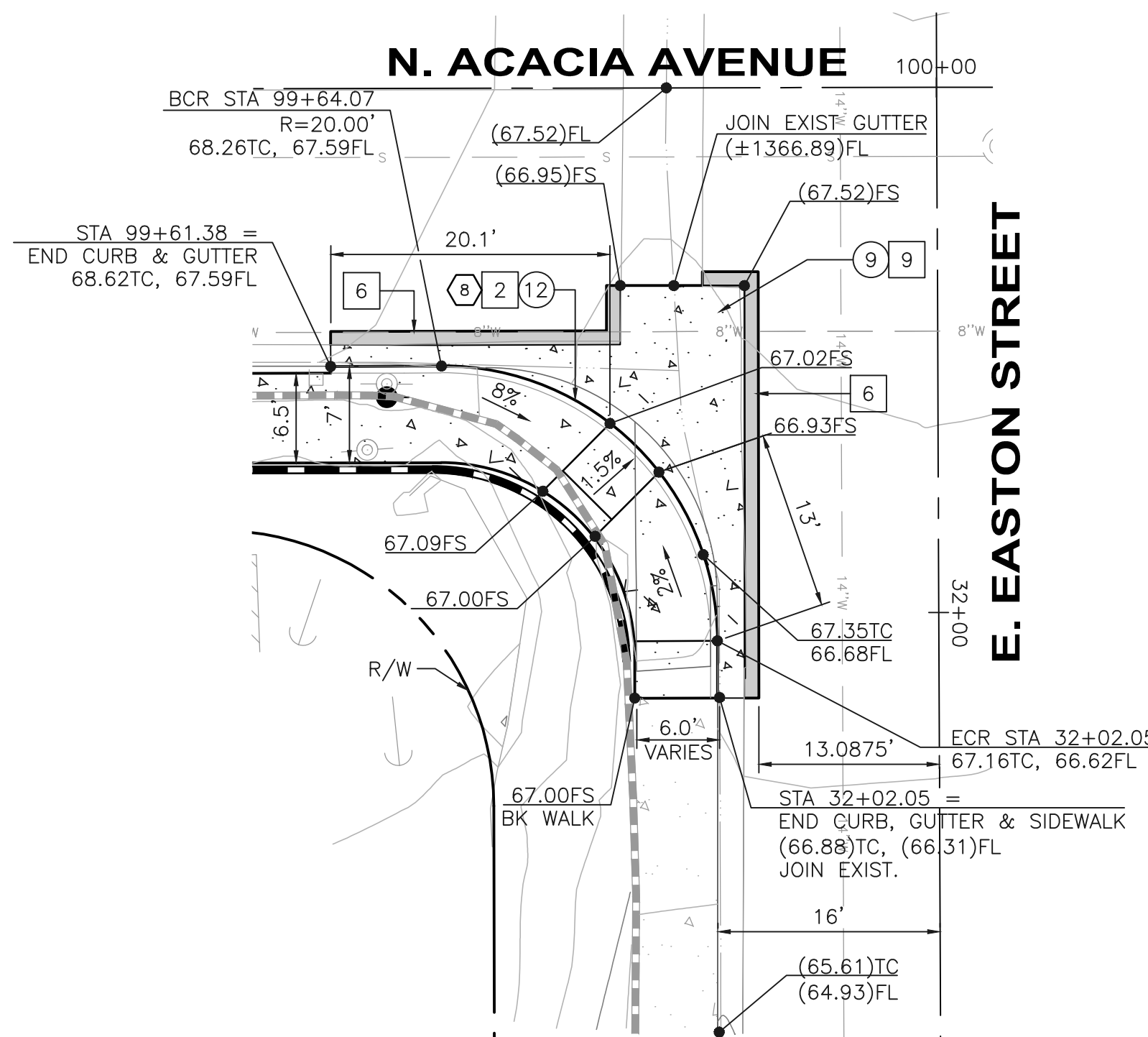
PROPOSED FEATURES

- PROPOSED CONCRETE SIDEWALK
- PROPOSED WALL

Underground Service Alert TWO WORKING DAYS BEFORE YOU DIG					SEAL-DESIGN ENGINEER 	PREPARED UNDER THE SUPERVISION OF: JOHN M. BRUDIN, RCE 41836 _____ DATE _____ RECOMMENDED FOR APPROVAL BY TKE ENGINEERING INC.: TERRY RENNER, RCE 69984 _____ DATE _____ APPROVED BY: GABOR PAKOZDI, INTERIM CITY ENGINEER, RCE 74522 _____ DATE _____		 Engineering Resources of Southern California 1861 West Redlands Blvd. Building 7-B Redlands, California 92373-3119 (909) 890-1255 BENCH MARK: B.M. No. 2348007E ELEVATION= 1465.72' (1929) THE BENCH MARK FOR THIS SURVEY IS A BRASS CAP. LOCATION AS DESCRIBED AS CITY OF RIALTO BRASS DISC SET IN PCC BASE FOR STREET LIGHT. 6FT EAST OF CURB, 42FT EAST OF CENTERLINE OF CACTUS AVENUE AND 62FT NORTH OF CENTERLINE NORWOOD STREET	CITY OF RIALTO EASTON STREET SIDEWALK IMPROVEMENT PLAN PHASE 3 COVER SHEET FOR: CITY OF RIALTO PPD No. _____ PLAN No. _____	1 OF 2 SHEETS
	MARK	REVISIONS	APPR.	DATE		DESIGNED BY: B.B. DRAWN BY: J.G. CHECKED BY: L.A.				

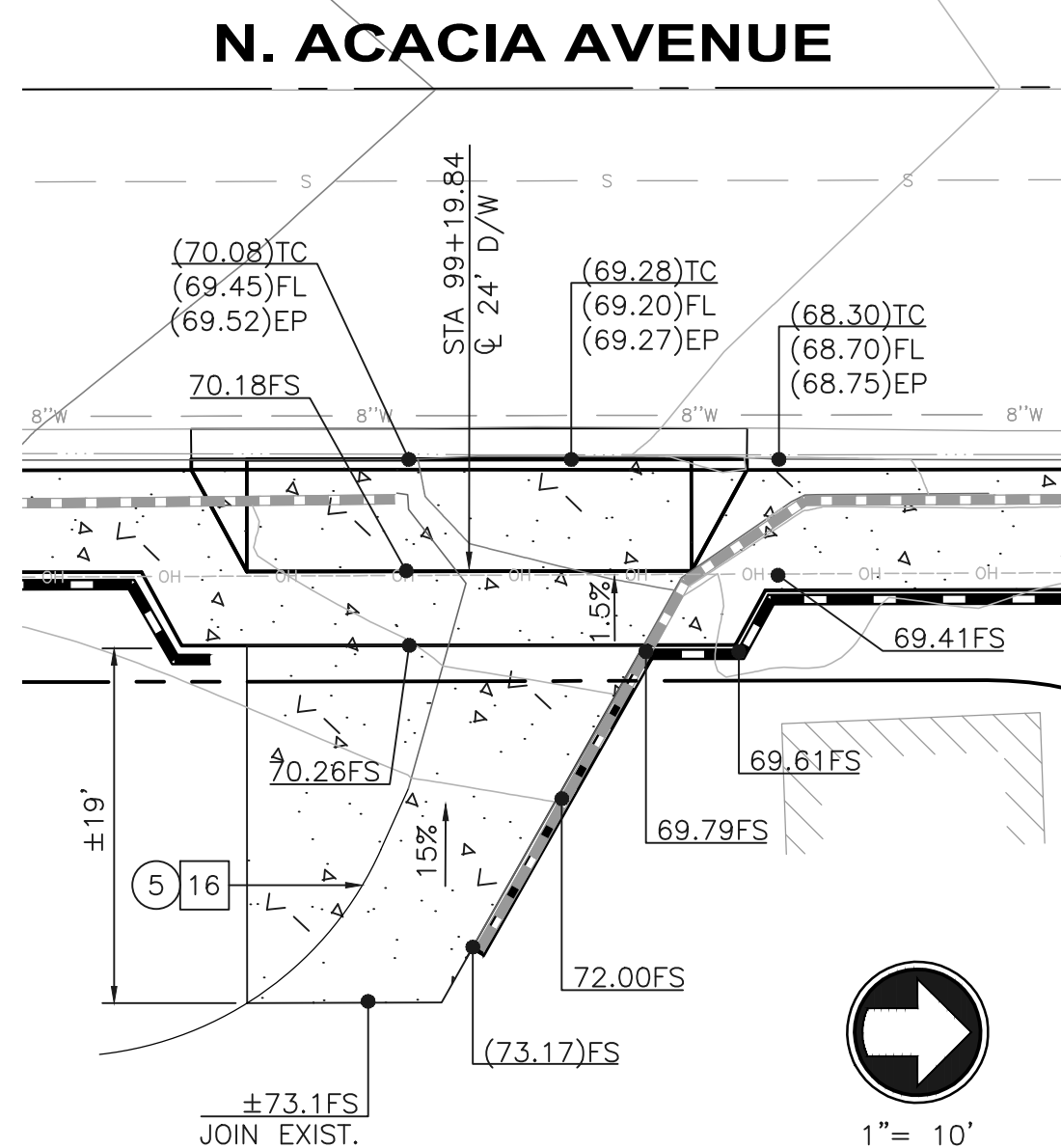
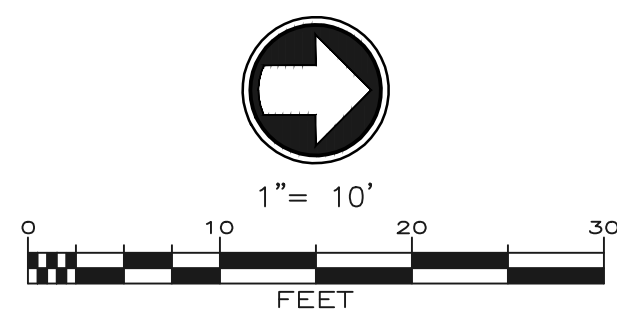


N. ACACIA AVENUE

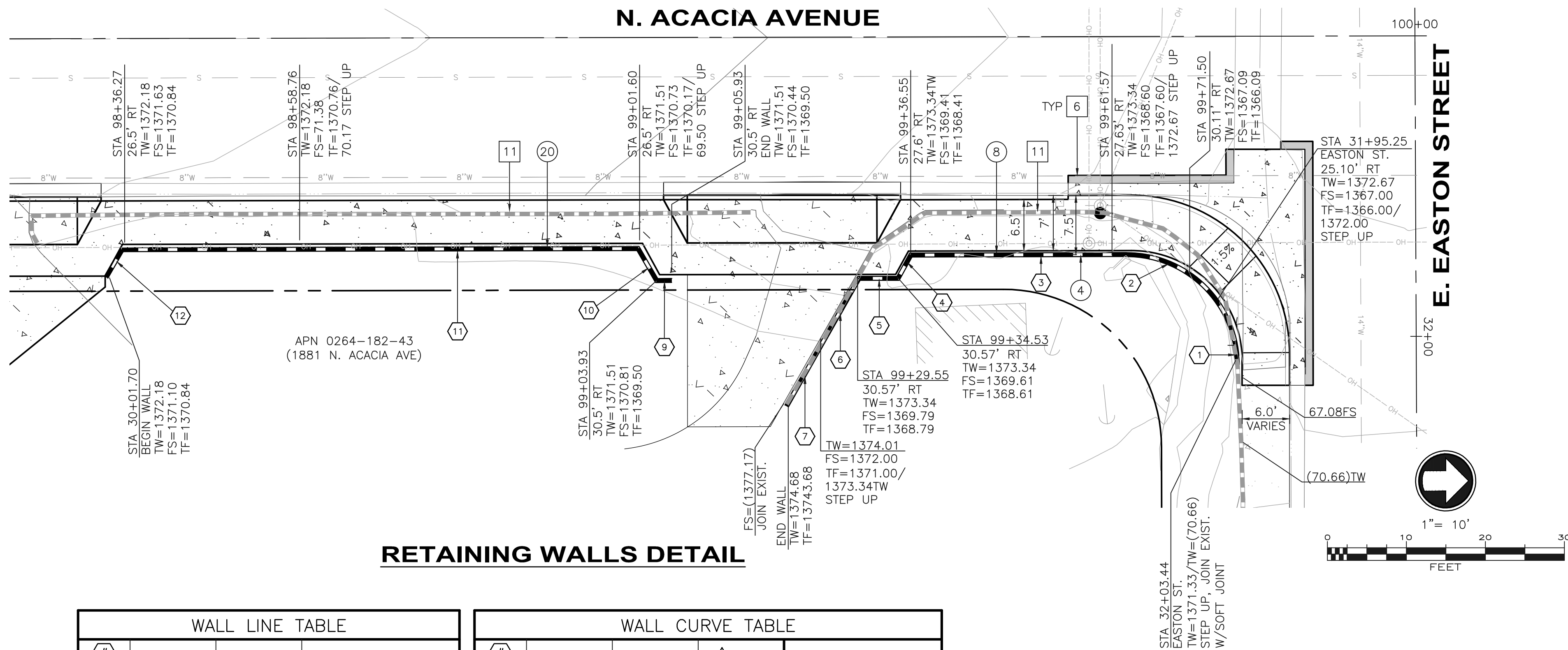
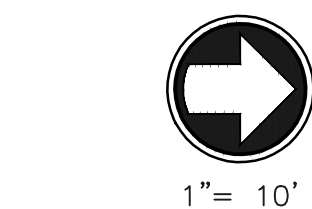


CURB RAMP DETAIL "A"

#	LENGTH	RADIUS	DELTA	DESCRIPTION
8	31.37'	20.00'	89°52'44"	(2) CURB RETURN



DRIVEWAY DETAIL "B"



RETAINING WALLS DETAIL

#	BEARING	DISTANCE	DESCRIPTION
1	S85°04'39"W	2.44'	(8) RETAINING WALL
2	N0°13'36"E	27.52'	(8) RETAINING WALL
4	S61°16'02"E	4.41'	(8) RETAINING WALL
5	S0°07'01"E	4.95'	(8) RETAINING WALL
6	S60°28'49"E	9.25'	(8) RETAINING WALL
7	S60°28'49"E	9.33'	(10) SLOUGH WALL
8	SEE CURB RAMP DETAIL		
9	N0°07'01"W	2.00'	(10) SLOUGH WALL
10	N59°52'59"E	4.67'	(10) SLOUGH WALL
11	N0°07'01"W	65.33'	(10) SLOUGH WALL
12	N60°07'01"W	4.00'	(10) SLOUGH WALL

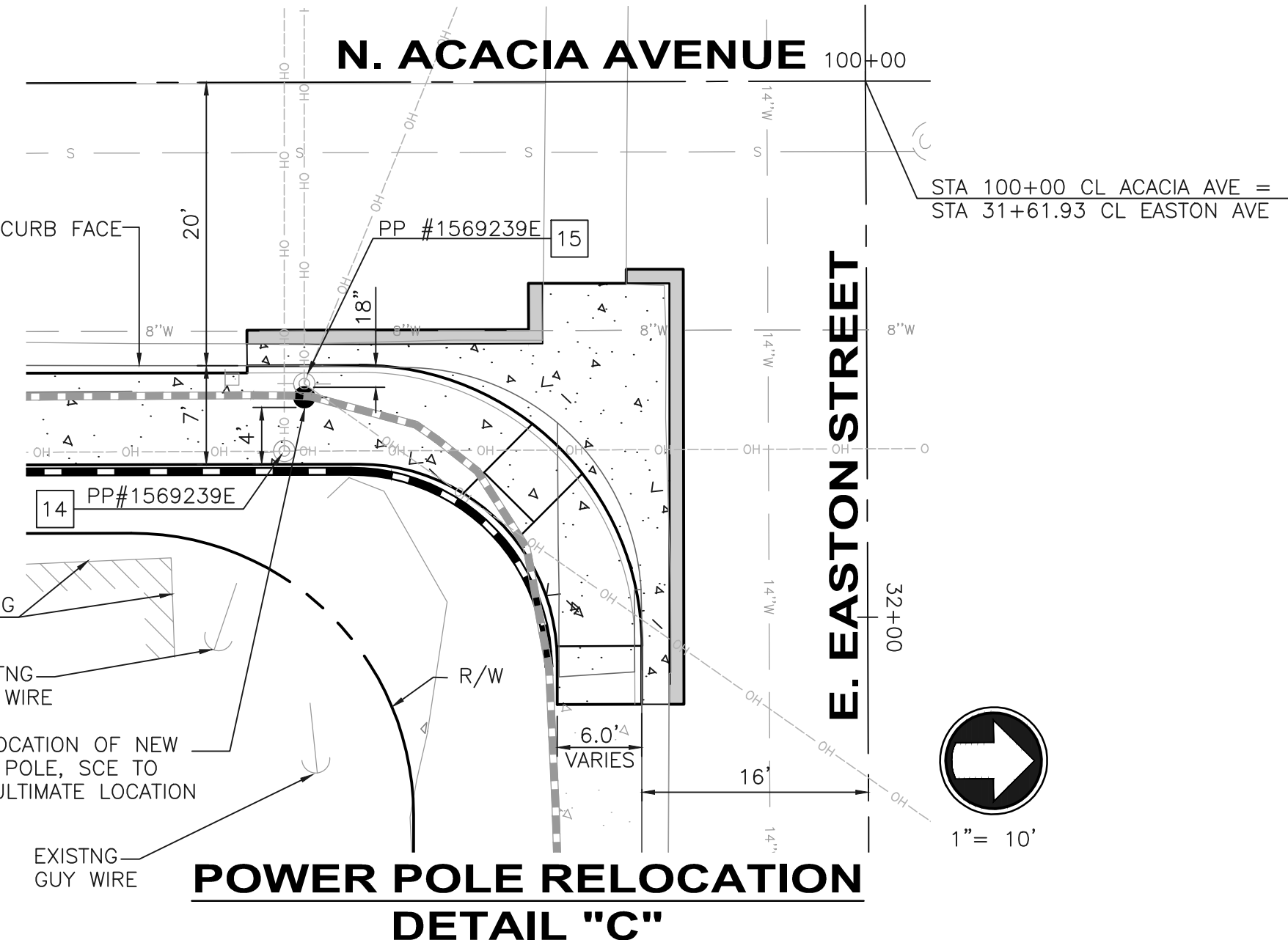
#	LENGTH	RADIUS	DELTA	DESCRIPTION
2	20.81'	14.00'	85°11'40"	(8) RETAINING WALL

CONSTRUCTION NOTES

- CONSTRUCT SIDEWALK (CURB ADJACENT) PER CITY STD NO. SC-203 AND SC-209
- CONSTRUCT RESIDENTIAL DRIVEWAY APPROACH (CURB SIDEWALK) PER CITY STD NO. SC-211
- CONSTRUCT RESIDENTIAL DRIVEWAY PER SAN BERNARDINO COUNTY STD NO. 131
- CONSTRUCT RETAINING WALL (CMU SPLIT FACE 1 SIDE) PER CALTRANS STD PLAN B3-7B, TYPE 6A (6' MAX)
- CONSTRUCT CROSS GUTTER AND FILLET PER CITY STD NO. SC-216
- CONSTRUCT CURB RAMP PER CITY STD NO. SC-215, CASE B TYPE 2
- CONSTRUCT SLOUGH WALL (CMU SPLIT FACE 1 SIDE) PER SPPWC STD PLAN 622-4
- INSTALL WHITE 12" CROSSWALK PER CALTRANS STD PLAN A24F, BASIC
- INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STD PLAN A24E, LIMIT LINE
- INSTALL THERMOPLASTIC PAVEMENT MARKING PER CALTRANS STD PLAN A24E, WORD "STOP"

REMOVAL NOTES

- P PROTECT IN PLACE
- REMOVE EXISTING SIDEWALK
 - REMOVE EXISTING CURB RAMP
 - REMOVE EXISTING DRIVEWAY APPROACH
 - REMOVE AND REPLACE AC PAVEMENT
 - REMOVE EXISTING CROSS GUTTER
 - REMOVE WALL AND FOOTING
 - RELOCATE EXISTING MAILBOX PER CITY STD NO. SC-224
 - RELOCATE EXISTING SCE POWER POLE AND GUY WIRE (BY OTHERS)
 - REMOVE EXISTING SCE POWER POLE AND GUY WIRE (BY OTHERS)
 - REMOVE EXISTING DRIVEWAY



POWER POLE RELOCATION DETAIL "C"



Underground Service Alert



TWO WORKING DAYS BEFORE YOU DIG

MARK	REVISIONS	APPR.	DATE
DESIGNED BY: B.B.	DRAWN BY: J.G.	CHECKED BY: L.A.	

SEAL-DESIGN ENGINEER



PREPARED UNDER THE SUPERVISION OF:

JOHN M. BRUDIN, RCE 41836

RECOMMENDED FOR APPROVAL BY TKE ENGINEERING INC.:

TERRY RENNER, RCE 69984

APPROVED BY:

GABOR PAKOZDI, INTERIM CITY ENGINEER, RCE 74522



BENCH MARK:

B.M. No. 2348007E ELEVATION= 1465.72' (1929)
THE BENCH MARK FOR THIS SURVEY IS A BRASS CAP. LOCATION AS DESCRIBED AS CITY OF RIALTO
BRASS DISC SET IN PCC BASE FOR STREET LIGHT, 6FT EAST OF CURB, 42FT EAST OF CENTERLINE OF
CACTUS AVENUE AND 62FT NORTH OF CENTERLINE NORWOOD STREET

1861 West Redlands Blvd.
Building 7-B
Redlands, California 92373-3119
(909) 890-1255

CITY OF RIALTO
EASTON STREET SIDEWALK IMPROVEMENT PLAN
PHASE 3
STA 97+25 TO STA 100+00

FOR:
CITY OF RIALTO

PPD No.

PLAN No.

2
OF 2 SHEETS