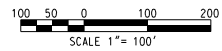
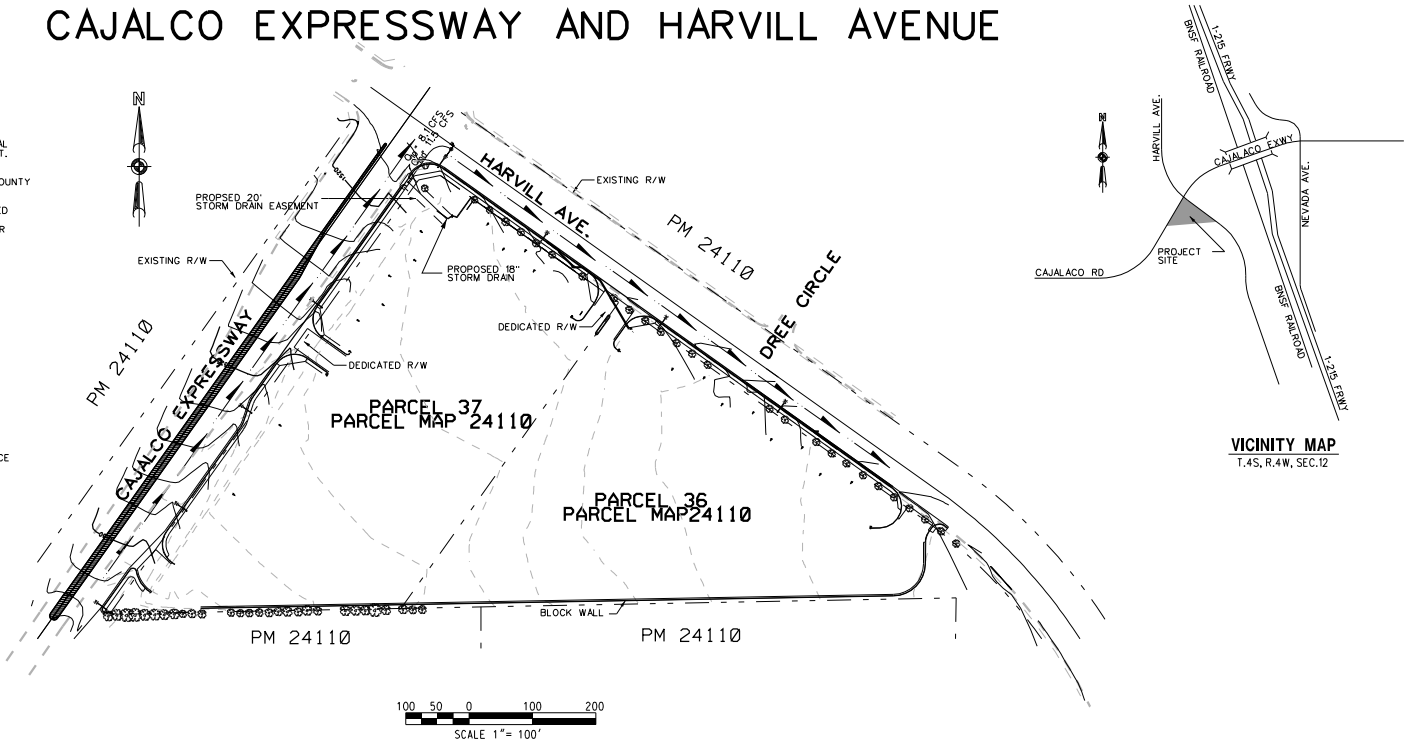


COUNTY OF RIVERSIDE STREET IMPROVEMENTS CUP 03370 CAJALCO EXPRESSWAY AND HARVILL AVENUE

GENERAL

10. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER OR CONTRACTOR TO APPLY TO THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, PERMIT SECTION, FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN PUBLIC RIGHT-OF-WAY, DEDICATED AND ACCEPTED FOR PUBLIC USE; AND TO BE RESPONSIBLE FOR SATISFACTORY COMPLIANCE FOR ALL CURRENT ENVIRONMENTAL REGULATIONS DURING THE LIFE OF CONSTRUCTION ACTIVITIES FOR THIS PROJECT. ADDITIONAL STUDIES AND/OR PERMITS MAY BE REQUIRED.
10. PRIOR TO ANY CONSTRUCTION, THE DEVELOPER/OWNER SHALL PROVIDE THAT COUNTY WITH A COPY OF THE NOI WITH A VALID WDD NUMBER.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE MUST INFORM COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION. PHONE: (909) 955-6790
3. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, LATEST EDITION, COUNTY ORDINANCE NO. 451 AND SUBSEQUENT AMENDMENTS.
4. ALL UNDERGROUND FACILITIES, WITH LATERALS, SHALL BE IN PLACE PRIOR TO PAVING THE STREET, INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: SEWER, WATER, ELECTRIC, GAS, STORM DRAINS.
5. CURB DEPRESSIONS AND DRIVEWAY APPROACHES WILL BE INSTALLED AND CONSTRUCTED ACCORDING TO COUNTY STANDARD NO. 206 AND/OR NO. 207, AS DIRECTED IN THE FIELD.
6. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY TO THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN THE STATE RIGHT-OF-WAY.
7. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN ALL CONSTRUCTION, REGULATORY, GUIDE AND WARNING SIGNS WITHIN THE PROJECT LIMITS AND ITS SURROUNDINGS TO PROVIDE SAFE PASSAGE FOR THE TRAVELING PUBLIC AND WORKERS UNTIL FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE COUNTY.
8. STREET LIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPROVED STREET LIGHTING PLAN.
9. ANY PRIVATE DRAINAGE SHOWN ON THESE PLANS IS FOR INFORMATION ONLY. BY SIGNING THESE IMPROVEMENT PLANS, NO REVIEW OR APPROVAL OF THESE PRIVATE FACILITIES IS IMPLIED OR INTENDED BY THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT.
10. CONSTRUCTION PROJECTS DISTURBING MORE THAN ONE ACRE MUST OBTAIN A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT. OWNERS/DEVELOPERS ARE REQUIRED TO FILE A NOTICE OF INTENT (NOI) WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB), PREPARE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND MONITORING PLAN FOR THE SITE.
11. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ADDITIONAL SIGNS AND MARKINGS NOT INCLUDED IN THE SIGNING AND STRIPING PLAN WITHIN THE PROJECT AREAS, OR ON ROADWAYS ADJACENT TO THE PROJECT BOUNDARIES, UPON THE REQUEST OF THE DIRECTOR OF TRANSPORTATION OR HIS DESIGNEE TO IMPROVE TRAFFIC SAFETY ON THE ROADS UNDER THE JURISDICTION OF THE DEVELOPER.
12. PRIOR TO ANY CONSTRUCTION, THE DEVELOPER SHALL PROVIDE THE COUNTY A COPY OF THE NOI WITH A VALID WDD NUMBER.
13. EXISTING STORM DRAIN PIPES/CULVERTS (WHETHER TO BE CONNECTED TO, EXTENDED, ADJUSTED, DRAINED TO, OR JUST IN THE PROJECT VICINITY) MUST BE REPAIRED, AND/OR CLEANED TO MAKE THEM FUNCTIONAL AND ACCEPTABLE AS DIRECTED BY THE TRANSPORTATION DEPARTMENT.



CONSTRUCTION NOTES

- | | |
|---|----------------------------------|
| ① CONSTRUCT PER RIVERSIDE COUNTY STD. NO. 207A | 4 EA |
| ② CONSTRUCT CURB AND GUTTER PER RIVERSIDE COUNTY STD. NO. 200 | 1000 LF |
| ③ CONSTRUCT MEDIAN PER RIVERSIDE COUNTY STD. NO. 113 | 1860 LF |
| ④ CONSTRUCT 6" A.C. OVER 5" CLASS II A.B. | 828 TONS OF A.C., 596 CY OF A.B. |
| ⑤ ADA RAMP PER RIVERSIDE CO. 403 | 4 EA |
| ⑥ REMOVE EXISTING DRIVEWAY | 2EA |
| ⑦ SAW CUT LINE | 3EA |
| ⑧ PROPOSED EDGE OF PAVEMENT | |

SHEET NO.(S)	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION
3-4	PLAN AND PROFILE
5	STORM DRAIN



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT CONSTITUTE AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND COMPLETENESS OF THE DESIGN HEREON IN THE EVENT OF DISCREPANCIES BETWEEN THE COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	APPR	DATE
	ENGINEER			COUNTY

DATE	BY	MARK	APPR	DATE
	ENGINEER			COUNTY

SEAL-COUNTY

COUNTY OF RIVERSIDE
DEPARTMENT OF TRANSPORTATION
APPROVED BY:

KAMLED A. OTHMAN, P.E.
CIVIL ENGINEER, R.C.E. NO. 33950

DATE

RECOMMENDED

DATE



SEAL-ENGINEER

WILSON & COMPANY, INC.
275 W. HOSPITALITY LANE, STE. 300
SAN BERNARDINO, CALIFORNIA 92408
PHONE: (909) 806-8000
FAX: (909) 806-8099

PREPARED BY:
KHIN M. HWAN

DATE
7-30-04

SCALE:
HORIZONTAL: 1" = 1'



BENCHMARK:
NUMBER: 20469
AGENCY: CALTRANS
ELEVATION: 1496.87 FEET
DATUM: SEA LEVEL DATUM OF 1929
DESCRIPTION: CON. BRASS DISK
LOCATION: IN CONCRETE 4'-2" WEST OF WEST R/W BENCH MARK EAST OF EAST R/W, 5'-0" WEST OF SOUTH OF RAMONA EXPRESSWAY

FOR: W.O. COUNTY FILE NO.:

CUP 03370 LP. No. 040124 040124

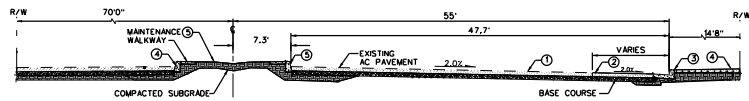
COUNTY OF RIVERSIDE

TITLE SHEET
STREET
IMPROVEMENT PLAN

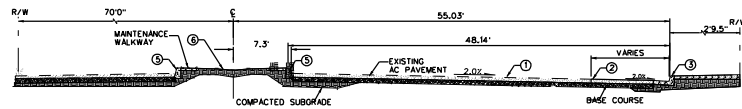
SHEET NO. **1** OF **5** SHTS.

CONSTRUCTION NOTES

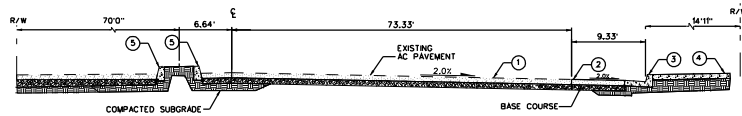
- ① EXISTING A.C. PAVEMENT TO REMAIN
- ② CONSTRUCT 6" A.C. OVER 5" CLASS I.A.B.
- ③ CONSTRUCT TYPE A-B CURB AND GUTTER PER COUNTY OF RIVERSIDE STD. NO. 201
- ④ CONSTRUCT SIDEWALK PER COUNTY OF RIVERSIDE STD. NO. 401
- ⑤ CONSTRUCT TYPE "D" CURB PER COUNTY OF RIVERSIDE STD. NO. 204
- ⑥ CONSTRUCT LANDSCAPE MEDIAN PER COUNTY OF RIVERSIDE STD. NO. 113



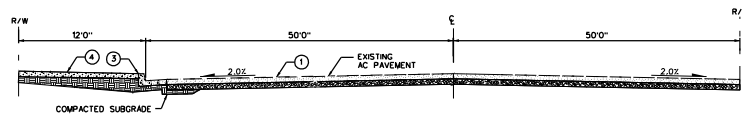
CAJALCO EXPRESSWAY
 STA. 835-80.80 TO 836-54.30
 STA. 839-90.22 TO 841-46.10



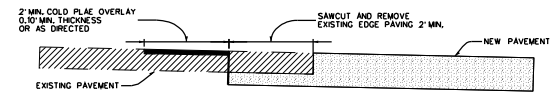
CAJALCO EXPRESSWAY
 STA. 837-36.71 TO 839-38.23



CAJALCO EXPRESSWAY
 STA. 842-75.19 TO 843-93.27



HARVILL AVENUE
 STA. 12+63.72 TO 13+06.23
 STA. 16+03.65 TO 16+45.79



JOIN DETAIL
 NTS



NOTE:
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DATE	BY	MARK	REVISIONS	APPR	DATE	COUNTY



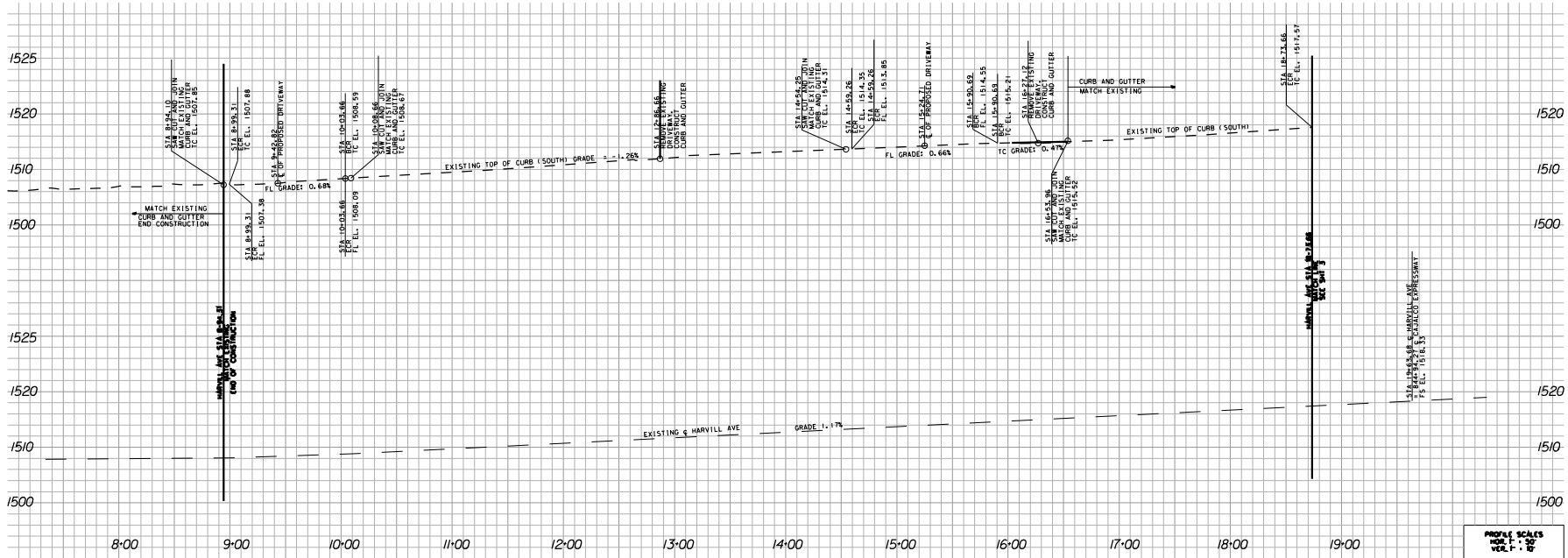
SEAL-COUNTY
 COUNTY OF RIVERSIDE
 DEPARTMENT OF TRANSPORTATION
 APPROVED BY:
 KHALED A. OTHMAN, P.E.
 CIVIL ENGINEER, R.C.E. NO. 33950
 DATE
 RECOMMENDED DATE



SEAL-ENGINEER
 WILSON & COMPANY, INC.
 275 W. HOSPITALITY LANE, STE. 300
 SAN BERNARDINO, CALIFORNIA 92408
 PHONE: (909) 806-8000
 FAX: (909) 806-8099
 PREPARED BY:
 KHIN M. HWAN
 DATE
 7-30-04

BENCHMARK:
 NUMBER: 20469
 AGENCY: S.A. TRANS
 ELEVATION: 1498.87 FEET
 DATUM: SEA LEVEL DATUM OF 1929
 DESCRIPTION: CON. BRASS DISK
 LOCATION: 1/4 CORNER, 4-2 WEST OF WEST 1/4, 1/4 CORNER, 2-2 EAST OF RAIL BLK. 2, 1/4 CORNER, 1/4 SOUTH OF RAMONA EXPRESSWAY

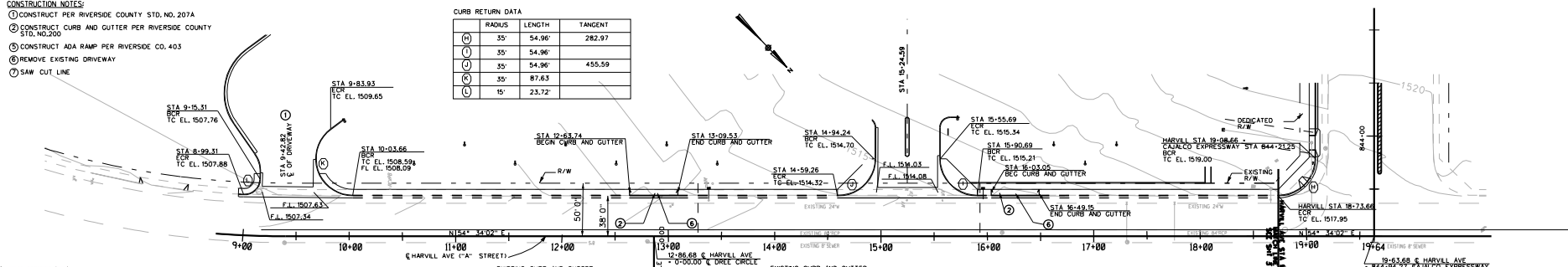
CUP3370 LP.No. 040124 040124			SHEET NO.
COUNTY OF RIVERSIDE			2
TYPICAL SECTIONS			OF 5 SHTS.
FOR:	W.O.	COUNTY FILE NO.:	



- CONSTRUCTION NOTES:**
- CONSTRUCT PER RIVERSIDE COUNTY STD. NO. 207A
 - CONSTRUCT CURB AND GUTTER PER RIVERSIDE COUNTY STD. NO. 200
 - CONSTRUCT ADA RAMP PER RIVERSIDE CO. 403
 - REMOVE EXISTING DRIVEWAY
 - SAW CUT LINE

CURB RETURN DATA

CR	RADIUS	LENGTH	TANGENT
(H)	35'	54.96'	282.97
(C)	35'	54.96'	455.59
(C)	35'	87.63'	
(C)	15'	23.72'	



HARVILL AVE



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DATE	BY	MARK	REVISIONS	APPR	DATE	COUNTY



SEAL-COUNTY
 COUNTY OF RIVERSIDE
 DEPARTMENT OF TRANSPORTATION
 APPROVED BY:
 KHALED A. OTHMAN, P.E.
 CIVIL ENGINEER, R.C.E. NO. 33950
 DATE



SEAL-ENGINEER
 WILSON & COMPANY, INC.
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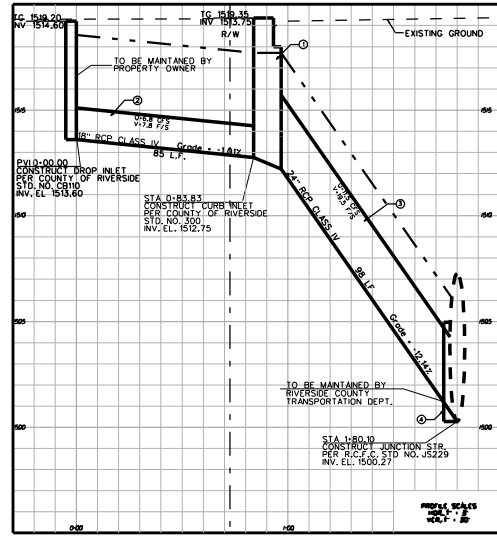
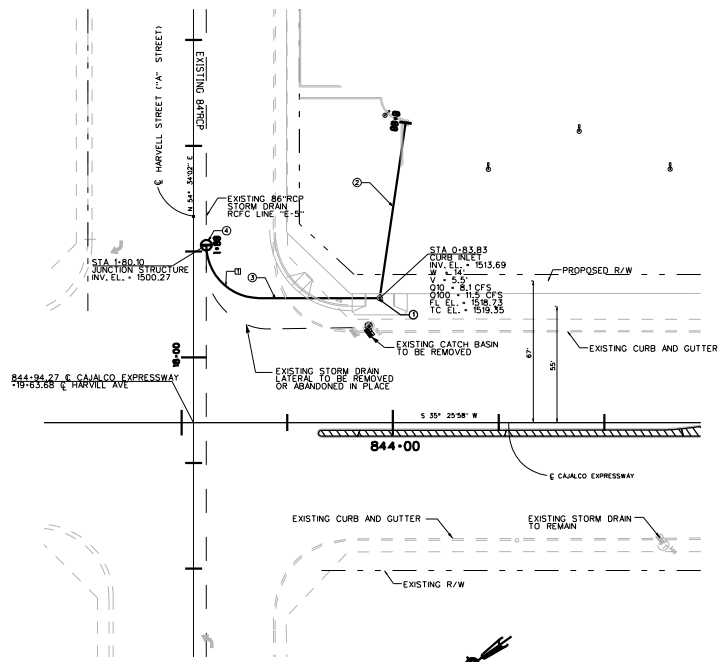
BENCHMARK:
 NUMBER: 20469
 AGENCY: S.A. TRANS
 ELEVATION: 1496.87 FEET
 DATUM: S.A. LEVEL DATUM OF 1929
 DESCRIPTION: CON. BRASS DISK
 LOCATION: IN CONCRETE 4-5' WEST OF
 RAMP SIGN, 5'-6" EIG. W. SOUTH OF
 RAMONA EXPRESSWAY

CUP3370 LP. No. 040124 040124
 COUNTY OF RIVERSIDE
**HARVILL AVE
 STREET IMPROVEMENT
 PLAN**
 FOR: W.O. COUNTY FILE NO.:

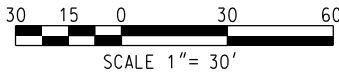
SHEET NO.
4
 OF 5 SHTS.

CURVE DATA	
PI -	1+65.83
PT -	1+48.83
R -	25
Δ -	90°
N -	4960.95
E -	5044.54

- CONSTRUCTION NOTES**
- ① CONSTRUCT CURB INLET PER COUNTY OF RIVERSIDE STD. NO. 300
 - ② INSTALL 85 LF OF 18" RCP CLASS IV
 - ③ INSTALL 98 LF OF 24" RCP CLASS IV
 - ④ CONSTRUCT JUNCTION STRUCTURE PER RIVERSIDE COUNTY FLOOD CONTROL STD. NO. J5229



R/C/F & W/C PERMIT NO. _____
 (FOR CONNECTION TO 84\"/>

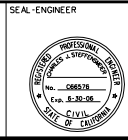


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DATE	BY	MARK	REVISIONS	APPR	DATE	COUNTY
	ENGINEER					



SEAL-COUNTY
 COUNTY OF RIVERSIDE
 DEPARTMENT OF TRANSPORTATION
 APPROVED BY:
 KHALED A. OTHMAN, P.E.
 CIVIL ENGINEER, R.C.E. NO. 33950
 DATE _____
 RECOMMENDED _____ DATE _____



SEAL-ENGINEER
 WILSON & COMPANY, INC.
 275 W. HOSPITALITY LANE, STE. 300
 SAN BERNARDINO, CALIFORNIA 92408
 PHONE: (909) 806-8000
 FAX: (909) 806-8099
 PREPARED BY: KHIN M. HWAN
 DATE: 7-30-04

BENCHMARK:
 NUMBER: 20469
 AGENCY: S.C.A. TRANS
 ELEVATION: 1498.87 FEET
 DATUM: SEA LEVEL DATUM OF 1929
 DESCRIPTION: CON. BRASS DISK
 LOCATION: IN CONCRETE 4-2' WEST OF WEST R/W, 10' WEST OF EAST R/W, 1/2' WEST OF SOUTH OF RAMONA EXPRESSWAY

CUP3370 LP.No. 040124 040124			SHEET NO.
COUNTY OF RIVERSIDE			5
STORM DRAIN PLAN			OF 5 SHTS.
FOR:	W.O.	COUNTY FILE NO.:	

RIVERSIDE COUNTY TRAVEL ZONE GRADING PLAN CUP 03370

CAJALCO EXPRESSWAY AND HARVILL AVENUE

GRADING NOTES

- 1 ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE, APPENDIX CHAPTER 33 AS AMENDED BY ORDIN. 457.
- 2 ALL PROPERTY CORNERS SHALL BE CLEARLY DELINEATED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION/GRADING.
- 3 DURING ROUGH GRADE OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL SHOULD BE PROVIDED TO PREVENT PONDING WATER AND DAMAGE TO ADJACENT PROPERTIES.
- 4 DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
- 5 NO FILL SHALL BE PLACED ON EXISTING GROUND UNLIT, THE GROUND HAS BEEN CLEARED OF WEEDS, DEBRIS, TOPSOIL, AND OTHER DELETERIOUS MATERIAL.
- 6 MAXIMUM CUT AND FILL SLOPE = 2:1.
- 7 STABILITY CALCULATIONS WITH A FACTOR OF SAFETY OF AT LEAST ONE AND FIVE TENTH (1.5) SHALL BE SUBMITTED BY A SOILS ENGINEER TO THE BUILDING AND SAFETY DEPARTMENT FOR CUT AND FILL SLOPES OVER 30 IN VERTICAL HEIGHT.
- 8 PROVIDE 5' WIDE BY 1' HIGH BERM OR EQUIVALENT ALONG THE TOP OF ALL FILL SLOPES OVER 5' HIGH.
- 9 PROVIDE A BROW DITCH, DESIGNED TO HANDLE THE 100YR O STORM FLOWS, ALONG THE TOP OF CUT SLOPES.
- 10 MINIMUM BUILDING PAD AND DRAINAGE SWALE SLOPE SHALL BE 1:1% IF CUT OR FILL IS LESS THAN 10" 2:1 IF CUT OR FILL IS GREATER THAN 10"; DRAINAGE SWALE SHALL BE A MINIMUM OF 2" DEEP AND BE CONSTRUCTED A MINIMUM OF 2" FROM THE TOP OF CUT OR FILL SLOPES.
- 11 "NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATER COURSES SHALL BE PERMITTED."
- 12 ALL EXISTING DRAINAGE COURSES ON THE SITE MUST CONTINUE TO FUNCTION, ESPECIALLY DURING STORM CONDITIONS. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTY DURING GRADING OPERATIONS.
- 13 FINISH GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR WALLS AT NOT LESS THAN 1/4" PER FOOT FOR A MINIMUM OF 3'.
- 14 CUT AND FILL SLOPES EQUAL TO OR GREATER THAN 3' IN VERTICAL HEIGHT SHALL BE PLANTED WITH GRASS OR GROUND COVER TO PROTECT THE SLOPE FROM EROSION AND INSTABILITY IN ACCORDANCE WITH ORDIN. 457 PRIOR TO FINAL GRADING INSPECTION.
- 15 EROSION CONTROL: ALL SLOPES REQUIRED TO BE PLANTED SHALL BE PROVIDED WITH ROSEA ICE PLANT (OR EQUAL) GROUND COVER 12" ON CENTER. SLOPES EXCEEDING 15' IN VERTICAL HEIGHT SHALL BE PLANTED WITH APPROVED TREES SPACED NOT TO EXCEED 20' OFF CENTER OR SHRUBS NOT TO EXCEED 10'; OR A COMBINATION OF SHRUBS AND TREES NOT TO EXCEED 15' IN ADDITION TO A GRASS MIX ON GROUND COVER. SLOPES EXCEEDING 4' IN VERTICAL HEIGHT SHALL BE PROVIDED WITH IN-GROUND IRRIGATION SYSTEM. SLOPES EQUAL TO OR LESS THAN 4' MAY BE IRRIGATED BY HOSE BIB LOCATED AT TOP OR TOE OF THE SLOPE, SPACED TO MAKE USE OF A HOSE NO LONGER THAN 50' IN LENGTH. THE IRRIGATION SYSTEM SHALL BE PROVIDED WITH AN APPROPRIATE BACKFLOW DEVICE PER UPC CHAPTER 10.
- 16 ALL GRADING SHALL BE DONE IN CONFORMANCE WITH RECOMMENDATIONS OF THE PRELIMINARY SOILS INVESTIGATION BY [REDACTED]. TWO SETS OF THE FINAL COMPACTION REPORT SHALL BE SUBMITTED TO THE BUILDING AND SAFETY DEPARTMENT WHICH SHALL INCLUDE FOUNDATION DESIGN RECOMMENDATIONS AND CERTIFICATION THAT GRADING HAS BEEN DONE IN CONFORMANCE WITH THE RECOMMENDATIONS OF THE SITE INVESTIGATION REPORT.
- 17 IF STEEP SLOPING TERRAIN OCCURS UPON WHICH FILL IS TO BE PLACED, IT MUST BE CLEARED, KEYED AND BENCHED INTO FIRM NATURAL SOIL FOR FULL SUPPORT. PREPARATION SHALL BE APPROVED BY A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL PRIOR TO PLACEMENT OF FILL MATERIAL.
- 18 ALL GRADING SHALL BE DONE UNDER THE SUPERVISION OF A COMPETENT SOILS ENGINEER WHO WILL CERTIFY THAT ALL FILL HAS BEEN PROPERLY PLACED AND WHO SHALL SUBMIT A FINAL COMPACTION REPORT FOR ALL FILLS OVER 1'.
- 19 FINAL COMPACTION REPORTS WILL BE REQUIRED FOR ALL FILLS GREATER THAN 1'.
- 20 A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT TO THE BUILDING AND SAFETY DEPARTMENT WRITTEN CERTIFICATION ON COMPLETION OF ROUGH GRADING IN ACCORDANCE WITH THE APPROVED GRADING PLAN PRIOR TO REQUESTING INSPECTION AND ISSUANCE OF THE BUILDING PERMIT. CERTIFICATION SHALL INCLUDE LINE, GRADE, ELEVATION AND LOCATION OF CUT/FILL SLOPES.
- 21 A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT CERTIFICATION OF BUILDING PAD ELEVATION, WHERE SPECIFIC ELEVATIONS ARE REQUIRED, THE ELEVATION WITH RESPECT TO MEAN SEA LEVEL SHALL BE GIVEN WITH RESPECT TO ADJACENT GROUND SURFACE IS REQUIRED, THE ACTUAL DISTANCE ABOVE THE ADJACENT GROUND WILL BE GIVEN.
- 22 A SUITABLY QUALIFIED AND REGISTERED PROFESSIONAL SHALL SUBMIT TO THE BUILDING AND SAFETY DEPARTMENT WRITTEN CERTIFICATION ON COMPLETION OF FINAL GRADING IN ACCORDANCE WITH THE APPROVED PLANS FOR ALL GRADING DESIGNED AS "ENGINEERED GRADING."
- 23 THE CONTRACTOR SHALL NOTIFY THE DISTRICT BUILDING AND SAFETY DEPARTMENT AT LEAST 24 HOURS IN ADVANCE REQUESTING FINISH GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO BUILDING PERMIT FINAL INSPECTION FOR EACH LOT.
- 24 CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE YOU DIG AT 1-800-422-4133.

PAVING NOTES

1. MINIMUM PARKING LOT GRADE SHALL BE 1%.
 2. MINIMUM GRADE FOR RIBBON DRAINS SHALL BE 0.35%.
 3. AN APPROVED SOIL STERILIZER SHALL BE USED ON ALL SUBGRADE SURFACES PRIOR TO PLACEMENT OF PAVING.
 4. ASPHALTIC EMULSION (FOG SEAL) SHALL BE APPLIED NOT LESS THAN FOURTEEN DAYS FOLLOWING PLACEMENT OF THE ASPHALT SURFACING, FOG SEAL AND PAINT BINDER SHALL BE APPLIED AT A RATE OF 0.05 AND 0.03 GALLONS PER SQUARE YARD RESPECTIVELY. ASPHALT EMULSION SHALL CONFORM TO SECTIONS 37, 39 AND 94 OF THE STATE STANDARDS AND SPECIFICATIONS.
 5. THE SUBOWNER OR CONTRACTOR SHALL APPLY TO THE RIVERSIDE COUNTY ROAD DEPARTMENT FOR AN ENCROACHMENT PERMIT FOR ALL WORK WITHIN COUNTY RIGHT-OF-WAY.
 6. TWO SPECIAL INSPECTIONS ARE REQUIRED BY THE BUILDING AND SAFETY DEPARTMENT: ONE INSPECTION AT THE TIME THE BASE IS PLACED AND THE SECOND WHEN THE A.C. OR CONCRETE HAS BEEN PLACED.
 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING OF THE PROPOSED WORK AREA AND RELOCATION COSTS OF ALL EXISTING UTILITIES. PERMITTEE SHALL INFORM THE COUNTY OF CONSTRUCTION SCHEDULED AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
 8. A COMPACTION REPORT BY A SOILS ENGINEER SHALL CERTIFY 95% COMPACTION OF BASE FOR A.C. AND 90% COMPACTION FOR CONCRETE PRIOR TO CALL FOR SECOND INSPECTION AND PLACEMENT OF ASPHALT CONCRETE AND CONCRETE PAVING.
 9. IF NO PRELIMINARY SOILS REPORT IS PROVIDED SPECIFYING THE PAVING SECTION, THE STRUCTURAL SECTION SHALL BE THREE INCHES ASPHALT CONCRETE AND FOUR INCHES CLASS A AGGREGATE BASES.
- **NOTE:
FURNISH QUANTITY OF PAVING MATERIAL AS FOLLOW:
A.C. (TONS): 1068
BASE (TONS): 1675
CONCRETE (CUBIC YARDS): 744
LANDSCAPING (SQUARE FEET): 73,152

BENCHMARK

NUMBER: 20A09
AGENCY: CALTRANS
ELEVATION: 1486.87 FEET
DATUM: SEA LEVEL DATUM OF 1929
DESCRIPTION: CDH BRASS DISK
LOCATION: IN CONCRETE, 4.5' WEST OF WEST R/W FENCE, 23.2' EAST OF EAST R/W CURB, 0.7' S 19' W SOUTH OF RAMONA EXPRESSWAY

OWNER

ALMAZAREI
FINNACLE REAL ESTATE HOLDINGS, INC.
RIVERSIDE COUNTY TRAVEL ZONE LLC
COO & CO-FOUNDER
236 SOUTH CRAIG DRIVE
ORANGE, CALIFORNIA 92669
LOS ANGELES ORANGE, SAN BERNARDINO
RIVERSIDE COUNTIES IN SOUTHERN CALIFORNIA
OFFICE & FAX (714) 538-5199
CELL (714) 715-1685

ENGINEER

KHIN HIWAN, EIT
WILSON & CO.
275 W. HOSPITALITY LANE
SUITE 300
SAN BERNARDINO, CA 92408
(909) 806-8000

GEOTECHNICAL ENGINEER

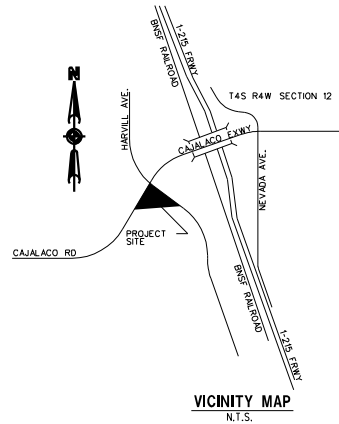
GHAYASUDDIN A. KHAN, P.E.
GEO-ETKA, INC.
239 N. MAIN STREET
ORANGE, CALIFORNIA 92668
(714) 771-1278

ABBREVIATIONS

TC TOP OF CURVE
FS FINISHED SURFACE
PVC POLYMER OF VINYL CHLORIDE
TG TOP OF GRADE
FL FLOWLINE
SLP SLOPE
FF FINISHED FLOOR

SYMBOLS

CROSS SECTION	
GRATE INLET	
NORTH	
RETAINING WALL	
CONCRETE	
EARTH	
CALL OUT	
SLOPE	
LIGHT POLE	
UNDERGROUND PVC	
MINOR CONTOUR	
MAJOR CONTOUR	



REVISION	NO.	DATE

FOR W. HOSPITALITY LANE SEE 030
SAN BERNARDINO, CALIFORNIA 92408
PHONE: (909) 806-8000
FAX: (909) 806-8009

WILSON & COMPANY

RIVERSIDE COUNTY TRAVEL ZONE
23261 CAJALCO EXPRESSWAY
PERRIS, CALIFORNIA

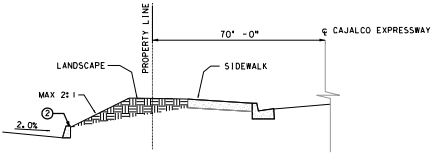
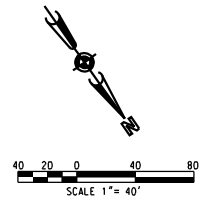
CHECKED BY	CJS
DRAWN BY	KMH
PLAN SCALE	1" = 1'
DATE	07/14/04
JOB NO.	CUP03370
SHEET NO.	C1
OF 3 SHEETS	

GENERAL NOTES:

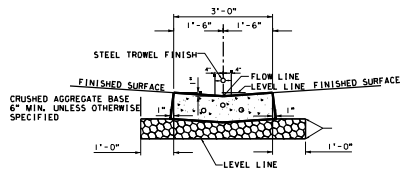
1. AUTO TRAFFIC AND PARKING T.I. = 4.5
2. TRUCK TRAFFIC AND PARKING T.I. = 5.5
3. RESISTANCE "R" VALUE = 30
4. GRADING QUANTITIES:
 FILL: 7111.94 CU. YD.
 CUT: 7232.23 CU. YD.

CONSTRUCTION NOTES:

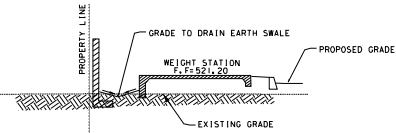
- ① CONSTRUCT CONCRETE DRIVEWAY PER COUNTY OF RIVERSIDE STD. NO 207A W/PER PLAN, 15' PER PLAN
- ② CONSTRUCT 6" CONCRETE CURB PER COUNTY OF RIVERSIDE STD. NO. 204
- ③ CONSTRUCT 6" CURB AND 8" GUTTER PER COUNTY OF RIVERSIDE STD. NO. 200
- ④ CONSTRUCT 3" WIDE CONCRETE GUTTER PER DETAIL "A"
- ⑤ CONSTRUCT GRATED INLET, PROTECT DEBRIS PER DETAIL ON SHT 2-03
- ⑥ CONSTRUCT 5" A.C. PAVEMENT OVER 7" BASE
- ⑦ CONSTRUCT PARKWAY DRAIN PER APWA STD. PLAN 151-1, INLET TYPE 1 S/PER PLAN



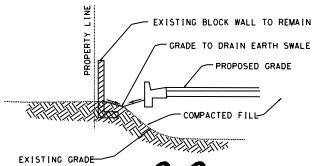
A-A
NOT TO SCALE



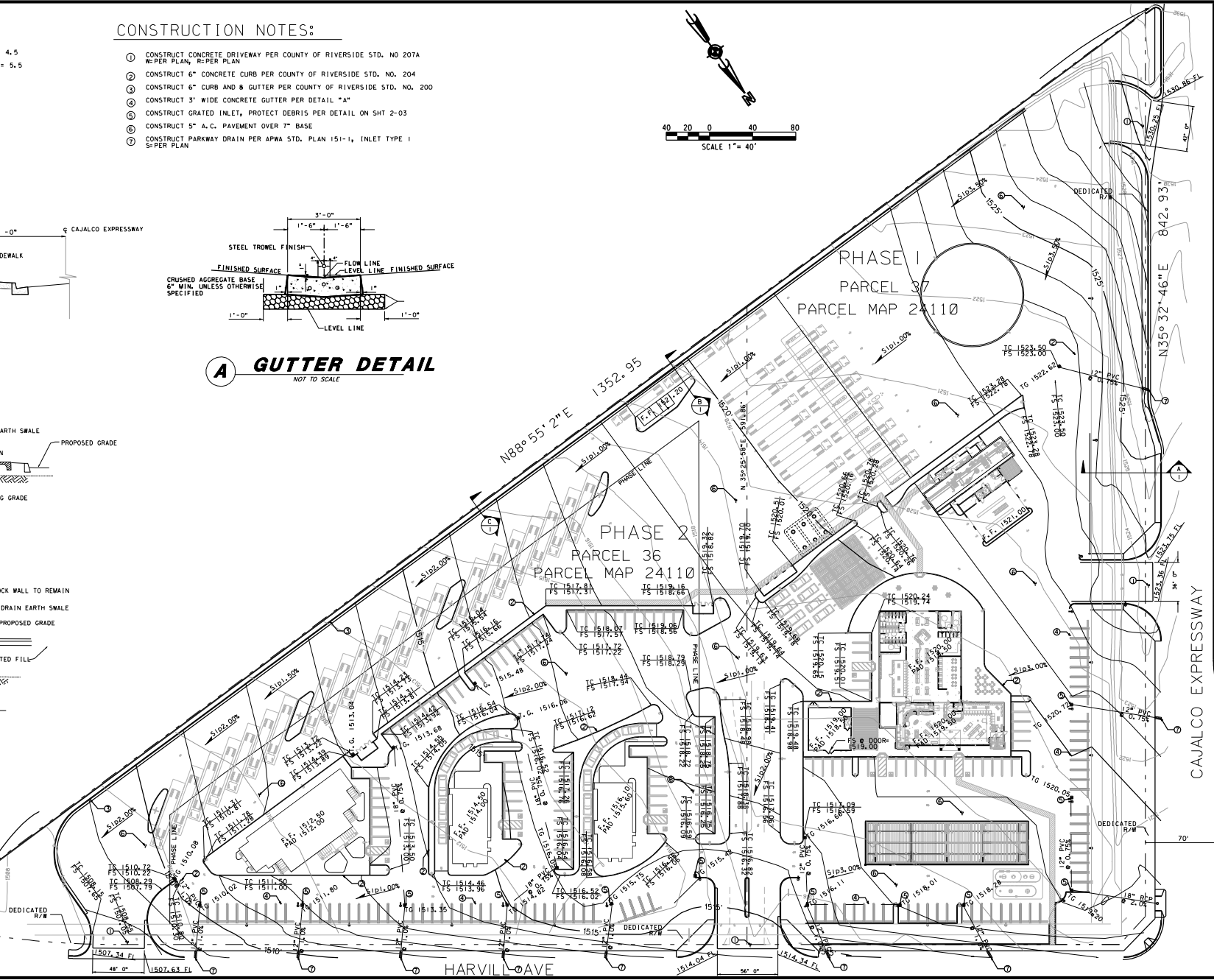
A GUTTER DETAIL
NOT TO SCALE



B-B
NOT TO SCALE



C-C
NOT TO SCALE



NO.	DATE	REVISION

FOR W. INSUFFICIENT LAND SEE SHEET 24100
 SAN BERNARDINO, CALIFORNIA 92408
 PHONE: (909) 808-8000
 FAX: (909) 808-8009

WILSON & COMPANY

FINAL GRADING PLAN
 RIVERSIDE COUNTY TRAVEL ZONE
 23261 CAJALCO EXPRESSWAY
 PERRIS, CALIFORNIA

CHECKED BY: CJS
 DRAWN BY: KMH
 PLAN SCALE: 1" = 40'
 DATE: 07/14/04
 JOB NO.: CUP03370
 SHEET NO.: C2
 OF 3 SHEETS

BEST MANAGEMENT PRACTICES FOR CONSTRUCTION ACTIVITIES

- A. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SWALES, AREA DRAINS, OR NATURAL DRAINAGE COURSES.
- B. STOCKPILES OF EARTH OR OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
- C. FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- D. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO DRAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
- E. TRASH AND CONSTRUCTION RELATED DEBRIS MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
- F. SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY.
- G. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- H. ALL STABILIZATION PRACTICES REQUIRED TO PREVENT DISCHARGE OF SEDIMENT FROM THE SITE MUST BE INSTALLED PRIOR TO ANY EARTH MOVING ACTIVITIES.

MAINTENANCE AND INSPECTION PROCEDURES

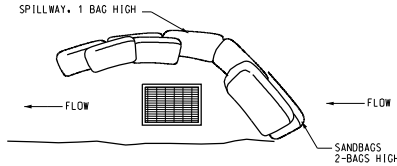
- 1. THE CONTRACTOR SHALL INSPECT THE EROSION AND SEDIMENT CONTROL MEASURES EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER.
- 2. THE CONTRACTOR SHALL MAINTAIN A "POLLUTION PREVENTION PLAN (PPP) INSPECTION AND MAINTENANCE REPORT AT ALL TIMES DURING THE CONSTRUCTION. EACH INSPECTION OF EROSION AND SEDIMENT CONTROL MEASURES SHALL BE DOCUMENTED BY THE CONTRACTOR ON THE INSPECTION FORM PROVIDED BY THE PROJECT MANAGER. THE COPIES OF THE COMPLETED FORMS SHALL BE SUBMITTED TO THE PROJECT MANAGER WITHIN 48 HOURS AFTER EACH INSPECTION.
- 3. THE CONTRACTOR SHALL REPAIR ANY EROSION AND SEDIMENT CONTROL MEASURES WITHIN THREE (3) DAYS FOLLOWING THE INSPECTION DURING WHICH DAMAGE IS NOTED OR FOLLOWING NOTIFICATION BY THE PROJECT MANAGER THAT REPAIRS ARE REQUIRED.
- 4. REPAIRS SHALL BE INITIATED WITHIN TWENTY FOUR (24) HOURS OF DAMAGE OCCURRING TO THE EROSION CONTROL MEASURES THAT COULD RESULT IN A DISCHARGE OF SEDIMENTS INTO A LIVE STREAM, WATER IMPOUNDMENT, AND OTHER NEARBY BODIES OF WATER, AS DIRECTED BY THE PROJECT.
- 5. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED BY CLEANING OR REPLACING AS NEEDED, AS DIRECTED BY THE PROJECT MANAGER, SO AS TO BE FULLY EFFECTIVE UNTIL PERMANENT EROSION CONTROL MEASURES ARE IN PLACE AND OPERATIONAL.
- 6. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE PERMIT REGULATION PROVIDED BY THE PROJECT MANAGER.

STABILIZATION PRACTICES INTERIM STABILIZATION:

- 1. ALL EXPOSED SOIL AREAS WITHIN THE PROJECT LIMITS SHALL BE TREATED WITH TEMPORARY SOIL STABILANT TO PREVENT EROSION AND KEEP THE AREA DUST-FREE AS MUCH AS PRACTICABLE.
- 2. THE CONTRACTOR SHALL USE WATERING EQUIPMENT FOR DUST POLLUTION ABATEMENT. THIS OPERATION SHALL BE GIVEN PRIORITY OVER ANY OTHER OPERATION WHERE EQUIPMENT MIGHT BE NEEDED.
- 3. PITS, HAUL ROADS, AND ALL OTHER AREAS OCCUPIED BY THE CONTRACTOR SHALL BE KEPT FREE OF DUST AS MUCH AS PRACTICABLE.

GENERAL NOTES

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE OF BEST MANAGEMENT PRACTICES (BMP).
- 2. SOLID AND HAZARDOUS WASTE SHALL BE HANDLED AND STORED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS AND ORDINANCES.
- 3. ALL BMPS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLAN SHOWN. DEVIATION FROM THIS PLAN SHALL BE NOTED AND RECORDED IN WEEKLY INSPECTION REPORTS WITHIN THE STORM WATER POLLUTION PREVENTION PLAN.
- 4. THE NPDES PERMIT FOR THE PROJECT, OR A COPY OF THE NOTICE OF INTENT (NOI) IF A PERMIT NUMBER HAS NOT BEEN ASSIGNED, SHALL BE POSTED AT THE PROJECT SITE OR THE FIELD OFFICE AT ALL TIMES DURING CONSTRUCTION.
- 5. THE POLLUTION PREVENTION PLAN (PPP) AND ALL MAINTENANCE AND INSPECTION REPORTS SHALL BE SIGNED BY A QUALIFIED INSPECTOR ASSIGNED BY THE CONTRACTOR. THE PPP PACKAGE AND THE REPORTS SHALL BE AVAILABLE TO EPA REPRESENTATIVES AT ALL TIMES DURING CONSTRUCTION.
- 6. THE CONTRACTOR SHALL INSURE THAT NO SOIL ERODES FROM THE SITE INTO PUBLIC ROW OR ON TO PRIVATE PROPERTY.
- 7. THE CONTRACTOR SHALL ENSURE THAT THE EROSION CONTROL MEASURES OUTLINED ON THIS SHEET ARE ADHERED TO DURING AND AFTER CONSTRUCTION.
- 8. ALL REQUIREMENTS OUTLINED IN THE FEDERAL ENVIRONMENTAL PROTECTION AGENCY (EPA) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) SHALL BE STRICTLY ADHERED TO DURING THE COURSE OF CONSTRUCTING THIS PROJECT. EXPOSED AREAS OF DISTURBANCE SHALL BE KEPT TO A MINIMUM TO PERFORM PROJECT CONSTRUCTION AND SHALL BE PROTECTED BY THE APPLICATION OF TEMPORARY SOIL STERILANT AS STATED ABOVE AND ANY OTHER SEDIMENT CONTROL DEVICES REQUIRED UNTIL PERMANENT MEASURES ARE APPLIED.



1 TYPICAL PROTECTION FOR INLET ON GRADE
N.T.S.



NO.	DATE	REVISION

FOR R. INSURANCE, CALL PER. 800-227-2600
SAN BERNARDINO, CALIFORNIA 92408
PHONE: (909) 800-8000
FAX: (909) 800-8009

WILSON & COMPANY

EROSION CONTROL PLAN
RIVERSIDE COUNTY TRAVEL ZONE
23261 CAJALCO EXPRESSWAY
PERRIS, CALIFORNIA

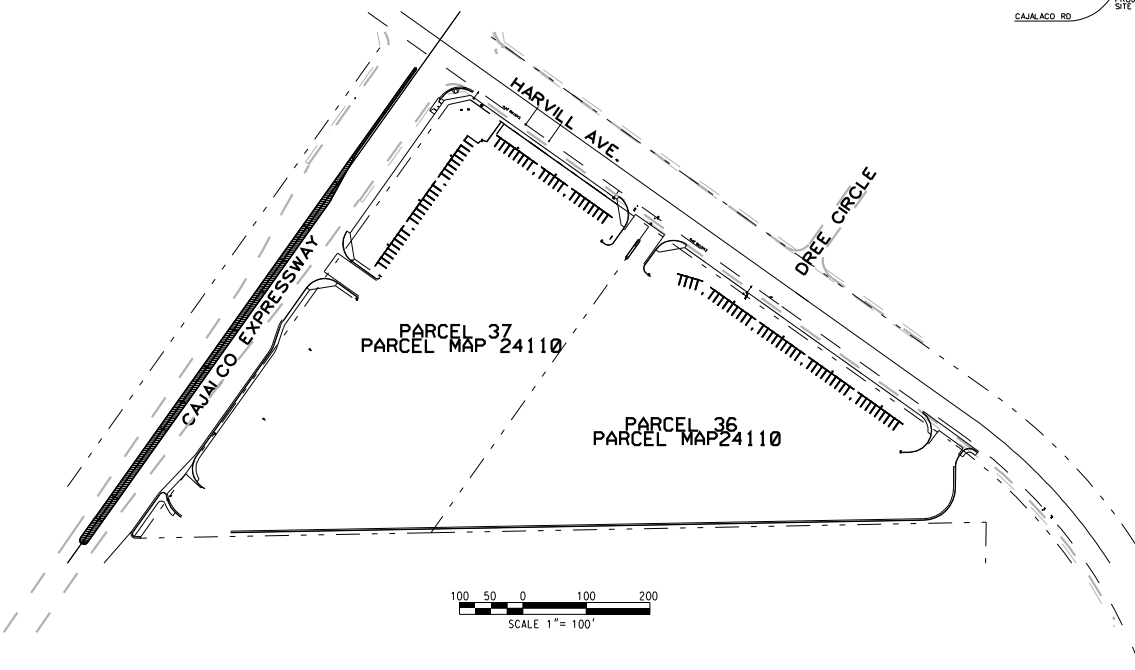
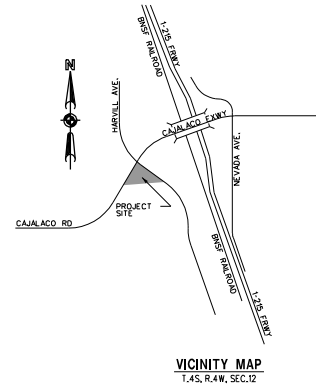
CHECKED BY: CJS
DRAWN BY: KMH
PLAN SCALE: 1" = 40'
DATE: 07/14/04
JOB NO.: CUP03370
SHEET NO.: C3
OF 3 SHEETS



GENERAL

1. WATERSYSTEM IMPROVEMENTS SHALL BE CONSTRUCTED BY THE DEVELOPER FOR DEDICATION TO WESTER MUNICIPAL WTER DISTRICT. CONSTRUCTION MATERIALS, TESTING, AND INSPECTION SHALL COMPLY WITH WESTERN MUNICIPAL WATER DISTRICT'S STANDARDS. THE INSTALLATION SHALL MEET OR EXCEED THE REQUIREMENTS OF ALL PUBLIC AGENCIES HAVING JURISDICTION AND THE AMERICAN WATER WORKS ASSOCIATION (A.W.W.A.) STANDARDS. FAILURE TO MEET THESE REQUIREMENTS WILL BE CAUSE FOR REJECTION.
2. CONSTRUCTION OF THE WATER SYSTEM IMPROVEMENTS SHALL NOT COMMENCE UNTIL A FINAL MAP HAS BEEN RECORDED BY RIVERSIDE COUNTY AND THE DEVELOPER'S ENGINEER HAS CERTIFIED THAT ALL STREETS ARE CONSTRUCTED TO FINAL GRADE. WATER PIPELINES SHALL BE INSTALL AFTER CONSTRUCTION OF CURB & GUTTER, SEWER, STORM DRAIN, AND PRIOR TO THE PLACEMENT OF CROSS-GUTTERS, SPANDRELS, AND PAVING.
3. PIPE, FITTINGS, VALVES AND APPURTENANCES SHALL BE OF THE PIPE PRESSURE CLASS (NOT W.W.P. CLASS) SHOWN ON THE PROFILE OF THESE PLANS. (NOTE: CAST IRON FITTINGS ARE NOT ALLOWED.)
4. COVER OVER PIPE SHALL BE 36 INCHES FOR PIPELINES LESS THAN 12 INCHES IN DIAMETER AND 48" FOR PIPELINES 12" AND GREATER IN DIAMETER. WHEN THE WATER PIPELINE ENCOUNTERS AN OBSTRUCTION AND CROSSING OVER THE OBSTRUCTION WILL RESULT IN LESS THAN MINIMUM COVER, THE WATER PIPELINE SHALL CROSS UNDER THE OBSTRUCTION MINIMUM 12" CLEARANCE.
5. CONTRACTOR SHALL PROVIDE TRENCH PROTECTION AND CONDUCT ALL CONSTRUCTION IN ACCORDANCE WITH CAL-OSHA REQUIREMENTS AND SHALL DETERMINE DEPTH AND LOCATION OF EXISTING UNDERGROUND FACILITIES PRIOR TO TRENCHING. OPEN TRENCH AT ANY ONE TIME SHALL BE LIMITED TO 500' ALONG ROAD RIGHT OF WAY AND SHALL BE BACKFILLED AND COMPACTED AT THE CONCLUSION OF EACH DAY. CONTACT UNDERGROUND SERVICE ALERT 1-800-227-2600 PRIOR TO ANY EXCAVATION.
6. PIPE SHALL BE HANDLED SO AS TO PROTECT PIPE AT ALL TIMES AND SHALL BE CAREFULLY BEDED TO PROVIDE CONTINUOUS BEARING AND TO PREVENT UNEVEN SETTLEMENT. PIPE SHALL BE PROTECTED AGAINST FLOTATION AT ALL TIMES. OPEN ENDS SHALL BE SEALED AT ALL TIMES WHEN CONSTRUCTION IS NOT IN PROGRESS.
7. PIPE JOINTS SHALL NOT BE DEFLECTED AT ANY ANGLE GREATER THAN THE MAXIMUM ANGLE RECOMMENDED BY THE PIPE MANUFACTURER. ALL WELDED JOINTS SHALL BE DOUBLE PASS MINIMUM.
8. TAPS ON PIPELINE SHALL BE INSTALLED PER DISTRICT STANDARDS AND AS APPROVED IN THE FIELD BY W.M.W.D. INSPECTOR. CONNECTIONS TO EXISTING W.M.W.D. PIPE LINES SHALL NOT BE ACCOMPLISHED UNLESS WESTERN MUNICIPAL WATER DISTRICT'S INSPECTOR IS PRESENT. WESTERN MAY ELECT TO MAKE THE CONNECTION. CONTRACTOR SHALL FIELD VERIFY BOTH HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING WATER PIPELINES PRIOR TO CONSTRUCTION.
9. BACKFILL SHALL BE COMPACTED TO EITHER 90% RELATIVE DENSITY, EQUIVALENT TO THE SURROUNDING GROUND, OR IN ACCORDANCE WITH THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION, WHICHEVER IS MORE STRINGENT.
10. TEST PRESSURE SHALL BE 150% OF PIPE CLASS RATING (IE CLASS 150-225 PSI TEST). SHALL BE UNDER CONTINUOUS INSPECTION, AND SHALL BE IN ACCORDANCE WITH DISTRICT STANDARD PROCEDURES.
11. SURFACE IMPROVEMENTS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE RECONSTRUCTED BY THE CONTRACTOR TO THE REQUIREMENTS OF THE AGENCY HAVING JURISDICTION.
12. FIRE HYDRANTS AND AIR VALVES SHALL BE LOCATED PER AGENCY HAVING JURISDICTION.
13. WATER METERS SHALL BE LOCATED PER PLAN, ANY RELOCATION SHALL BE APPROVED BY W.M.W.D. A "W" SHALL BE IMPRINTED ON CURB FACE AT EACH SERVICE LATERAL METER LOCATION.
14. CONTRACTOR SHALL PLACE 1/4" GA SOLID COPPER LOCATOR WIRE WITH ALL C-900 PVC PIPE TO ASSIST WITH FUTURE LOCATION.
15. THE DEVELOPER SHALL PROVIDE ONE SET OF PRINTS SHOWING ALL 1/4" AS-BUILT 1/2" CONDITIONS INCLUDING THE STATIONING OF SERVICE LATERAL CONNECTIONS AND PAD ELEVATIONS AS A CONDITION OF FINAL APPROVAL.
16. ANY REVISION TO THESE DRAWINGS MUST BE APPROVED IN WRITING BY WESTERN MUNICIPAL WATER DISTRICT.
17. THE CONTRACTOR IS ADVISED THAT THE WORK ON THIS PROJECT MAY INVOLVE WORKING IN A CONFINED AIR SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH "CONFINED AIR SPACE " ARTICLE 108, TITLE 8 CALIFORNIA ADMINISTRATIVE CODE.
18. ALL PIPE LARGER THAN 12" IN DIAMETER SHALL BE INSPECTED BY VIDEO CAMERA PRIOR TO BACTERIOLOGICAL TESTING.
19. ALL FIRE HYDRANTS SHALL BE COLOR CODED ACCORDING TO THE HYDRANT'S FLOW RATE AT A RESIDUAL PRESSURE OF 20 PSI. ALL BARRELS SHALL BE CHROME YELLOW. CAP AND TOP COLORS SHALL BE AS FOLLOWS:
 >1500 GPM: LIGHT BLUE; 1000 TO 1499 GPM: GREEN; 500 TO 999 GPM: ORANGE; <500 GPM: RED.
 HYDRANTS WITH PRESSURE OVER 100 PSI SHALL BE LETTERED "H.P." ON THE BARREL IN A LOCATION VISIBLE TO THE STREET OR USE SIDE. ALL FIRE HYDRANTS SHALL BE "WET-BARREL".
20. CONTRACTOR SHALL WARRANTY ALL WORK FOR 12 MONTHS AFTER DATE OF FINAL INSPECTION.

RIVERSIDE COUNTY TRAVEL ZONE WATER IMPROVEMENTS CUP 03370

CAJALCO EXPRESSWAY AND HARVILL AVENUE



COUNTY OF RIVERSIDE DEPARTMENT OF HEALTH APPROVED BY: _____ DATE: _____	COUNTY OF RIVERSIDE FIRE DEPARTMENT APPROVED BY: _____ DATE: _____	INDEX OF SHEETS: SHEET NO.(S) 2	DESCRIPTION TITLE SHEET WATER PLAN
COUNTY OF RIVERSIDE DEPARTMENT OF TRANSPORTATION APPROVED BY: _____ KAMLED A. OTHMAN, P.E. CIVIL ENGINEER, R.C.E. NO. 33950 DATE: _____ RECOMMENDED: _____ DATE: _____		WILSON & COMPANY, INC. 275 W. HOSPITALITY LANE, STE. 300 SAN BERNARDINO, CALIFORNIA 92408 PHONE: (909) 806-8000 FAX: (909) 806-8099 BENCHMARK: NUMBER: 20469 AGENCY: CALTRANS ELEVATION: 1498.87 FEET DATION: SEA LEVEL DATUM OF 1929 DESCRIPTION: CON. BRASS DISK LOCATION: IN CONCRETE, EAST OF WEST W. RENEWAL, EAST OF RAMONA EXPRESSWAY PREPARED BY: KHM M. HWAN DATE: 7-30-04 SCALE: _____	
SEAL-COUNTY 		SEAL-ENGINEER 	
NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED. THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON IN THE EVENT OF DISCREPANCIES ARISING AT COUNTY APPROVAL OR DURING CONSTRUCTION. THE PRIVATE ENGINEER IS NOT RESPONSIBLE FOR DETERMINING AN ACE LABEL SOLUTION AND THE PLANS FOR APPROVAL BY THE COUNTY.		CUP 3370 LP. No. 040124 040124 COUNTY OF RIVERSIDE TITLE SHEET WATER PLAN SHEET NO. 1 OF 2 SHTS.	

DATE	BY	MARK	APPR	DATE
	ENGINEER			COUNTY
				REVISIONS

CONSTRUCTION NOTES

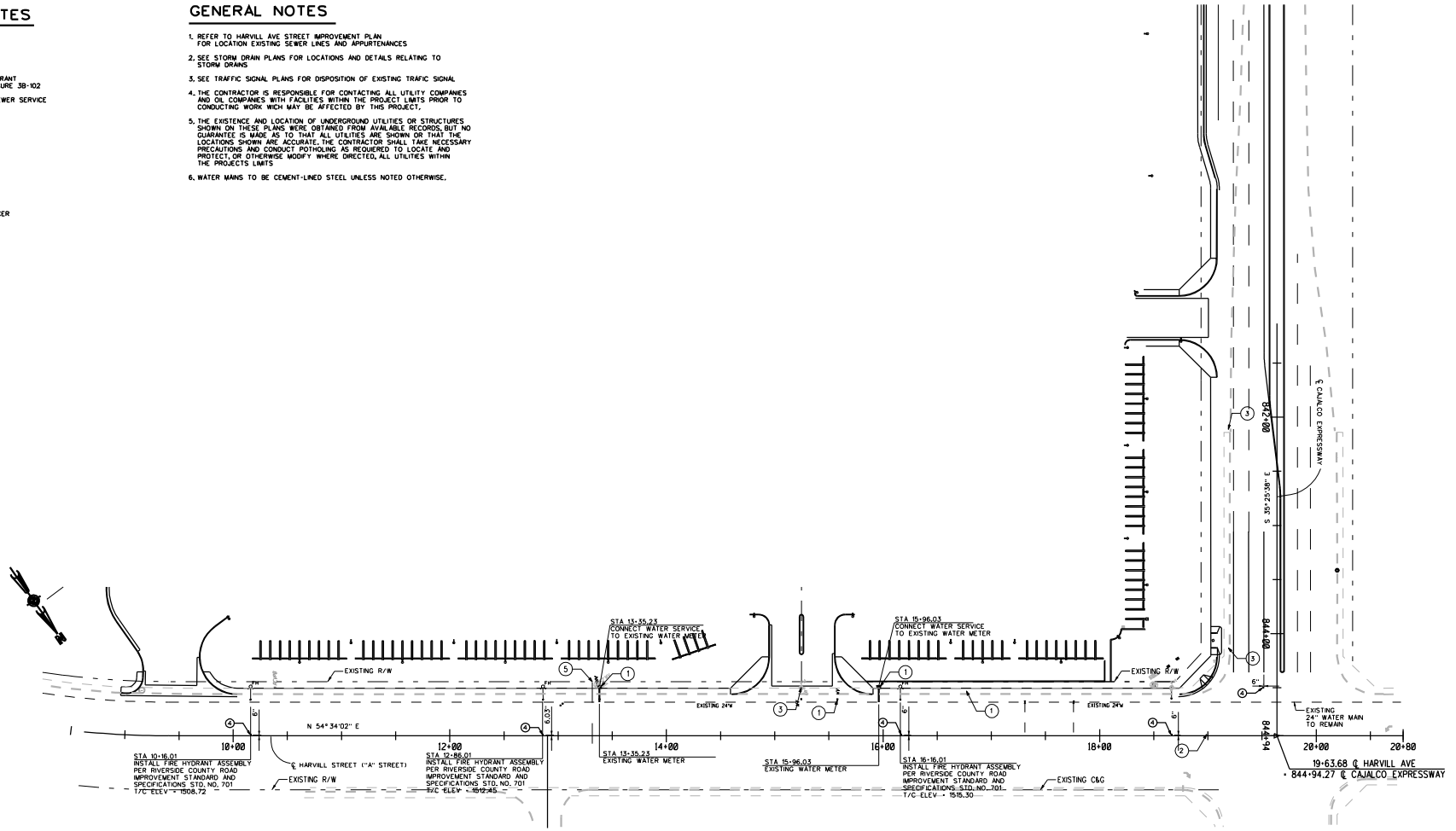
- ① PROTECT IN PLACE
- ② REMOVE AND RELOCATE
- ③ REMOVE AND DISPOSE
- ④ INSTALL BLUE RETROREFLECTIVE FIRE HYDRANT PAVERS PER MUTCD 2003, FIGURE 3B-102
- ⑤ CONNECT HOUSE LATERAL TO EXISTING SEWER SERVICE

LEGEND

- PP POWER POLE
- ┆ GUY WIRE
- FIRE HYDRANT
- ⊕ WATER METER
- BLUE RETROREFLECTIVE MARKER

GENERAL NOTES

- 1. REFER TO HARVILL AVE STREET IMPROVEMENT PLAN FOR LOCATION EXISTING SEWER LINES AND APPURTENANCES
- 2. SEE STORM DRAIN PLANS FOR LOCATIONS AND DETAILS RELATING TO STORM DRAINS
- 3. SEE TRAFFIC SIGNAL PLANS FOR DISPOSITION OF EXISTING TRAFFIC SIGNAL
- 4. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND OIL COMPANIES WITH FACILITIES WITHIN THE PROJECT LIMITS PRIOR TO CONDUCTING WORK WHICH MAY BE AFFECTED BY THIS PROJECT.
- 5. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM AVAILABLE RECORDS, BUT NO GUARANTEE IS MADE AS TO THAT ALL UTILITIES ARE SHOWN OR THAT THE LOCATIONS SHOWN ARE ACCURATE. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS AND CONDUCT POT-Holing AS REQUIRED TO LOCATE AND PROTECT, OR OTHERWISE MODIFY WHERE DIRECTED, ALL UTILITIES WITHIN THE PROJECTS LIMITS.
- 6. WATER MAINS TO BE CEMENT-LINED STEEL UNLESS NOTED OTHERWISE.



NOTE:
 WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.
 THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION. THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	REVISIONS	APPR	DATE	COUNTY
	ENGINEER					



COUNTY OF RIVERSIDE
 DEPARTMENT OF TRANSPORTATION
 APPROVED BY:

 KHALED A. OTHMAN, P.E.
 CIVIL ENGINEER, R.C.E. NO. 33950
 DATE: _____



SEAL-ENGINEER
 WILSON & COMPANY, INC.
 275 W. HOSPITALITY LANE, STE. 300
 SAN BERNARDINO, CALIFORNIA 92408
 PHONE: (909) 806-8000
 FAX: (909) 806-8099
 PREPARED BY:
 KHN M. HWAN
 DATE: 7-30-04

COUNTY OF RIVERSIDE
 DEPARTMENT OF HEALTH
 APPROVED BY: _____
 DATE: _____

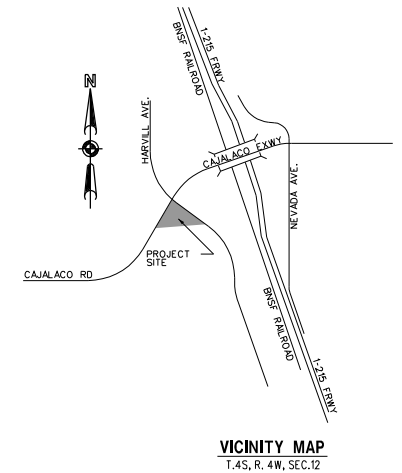
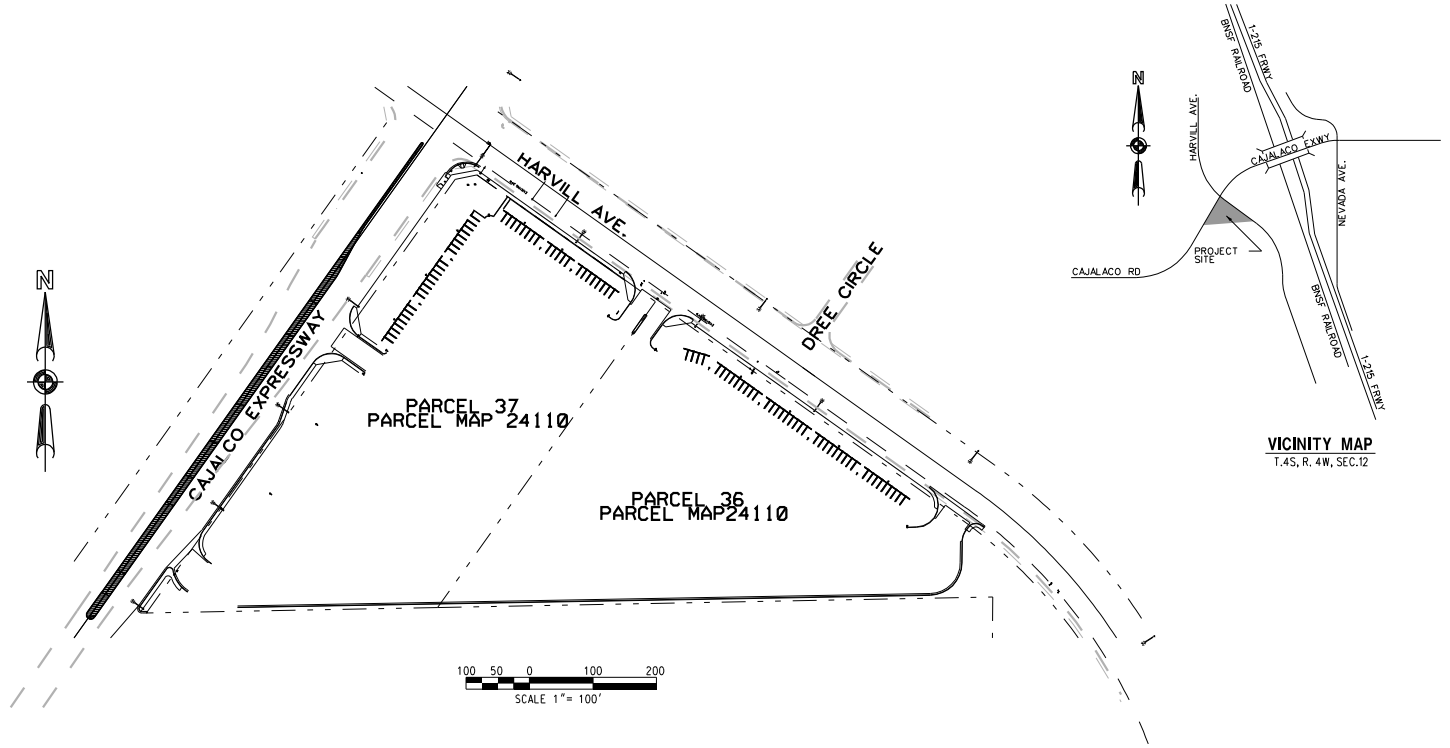
COUNTY OF RIVERSIDE
 FIRE DEPARTMENT
 APPROVED BY: _____
 DATE: _____

BENCHMARK:
 NUMBER: 20469
 AGENCY: CALTRANS
 ELEVATION: 1496.87 FEET
 DATUM: SEA LEVEL DATUM OF 1929
 DESCRIPTION: CONCRETE BRASS DISK
 LOCATION: IN CONCRETE 4-5' WEST OF
 RAIL SIGN, 0.5' NIG 1/2 SOUTH OF
 RAMONA EXPRESSWAY

CUP3370 LP.No. 040124 040124
 COUNTY OF RIVERSIDE
WATER PLAN
 SHEET NO. 2 OF 2 SHTS.
 FOR: _____ W.O. _____ COUNTY FILE NO.: _____

RIVERSIDE COUNTY TRAVEL ZONE STREET LIGHT IMPROVEMENTS CUP 03370

CAJALCO EXPRESSWAY AND HARVILL AVENUE



VICINITY MAP
T.4S, R. 4W, SEC.12

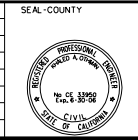


SHEET NO.(S)	DESCRIPTION
1	TITLE SHEET
2	STREET LIGHT

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON IN THE EVENT OF DISCREPANCIES ARISING AT THE COUNTY APPROVAL OR DURING CONSTRUCTION. THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

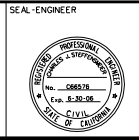
DATE	BY	MARK	APPR	DATE



SEAL-COUNTY
COUNTY OF RIVERSIDE
DEPARTMENT OF TRANSPORTATION
APPROVED BY:

KHALED A. OTHMAN, P.E.
CIVIL ENGINEER, R.C.E. NO. 33950

DATE



SEAL-ENGINEER
WILSON & COMPANY, INC.
275 W. HOSPITALITY LANE STE. 300
SAN BERNARDINO, CALIFORNIA 92408
PHONE: (909) 806-8000
FAX: (909) 806-8099

PREPARED BY:
KHN M. HWAN

DATE
7-30-04

BENCHMARK:
NUMBER: 20469
AGENCY: S.C. TRANS
ELEVATION: 1496.87 FEET
DATION: SEA LEVEL DATUM OF 1929
DESCRIPTION: CON. BRASS DISK
LOCATION: IN CONCRETE 4-2' WEST OF WEST RW, 10'-0" EAST OF EAST RW, 8'-0" NORTH 1/4 SOUTH OF RAMONA EXPRESSWAY

SCALE:

CUP3370	LP. No. 040124	040124	SHEET NO.
COUNTY OF RIVERSIDE			1
TITLE SHEET			OF 2 SHTS.
STREET LIGHTING PLAN			
FOR:	W.O.	COUNTY FILE NO.:	

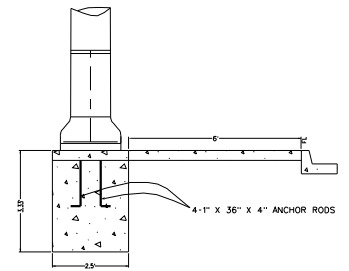
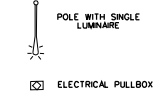
GENERAL NOTES

- 1 ALL WORK SHALL CONFORM TO THE MOST CURRENT REQUIREMENTS OF COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT IMPROVEMENT STANDARDS AND SPECIFICATIONS, COUNTY ORDINANCE NO. 461 AND SUBSEQUENT AMENDMENTS.
- 2 IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR CONTRACTOR TO APPLY FOR AN ENCROACHMENT PERMIT FOR ALL WORK PERFORMED WITHIN COUNTY RIGHT-OF-WAY.
- 3 THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT (800) 227-2600 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. THE CONTRACTOR ACCEPTS ALL RESPONSIBILITY FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES.
- 4 THIS PROJECT IS NOT WITHIN 30 MILES OF MT. PALOMAR.
- 5 SEE SERVICE PLANNER

CONSTRUCTION NOTES

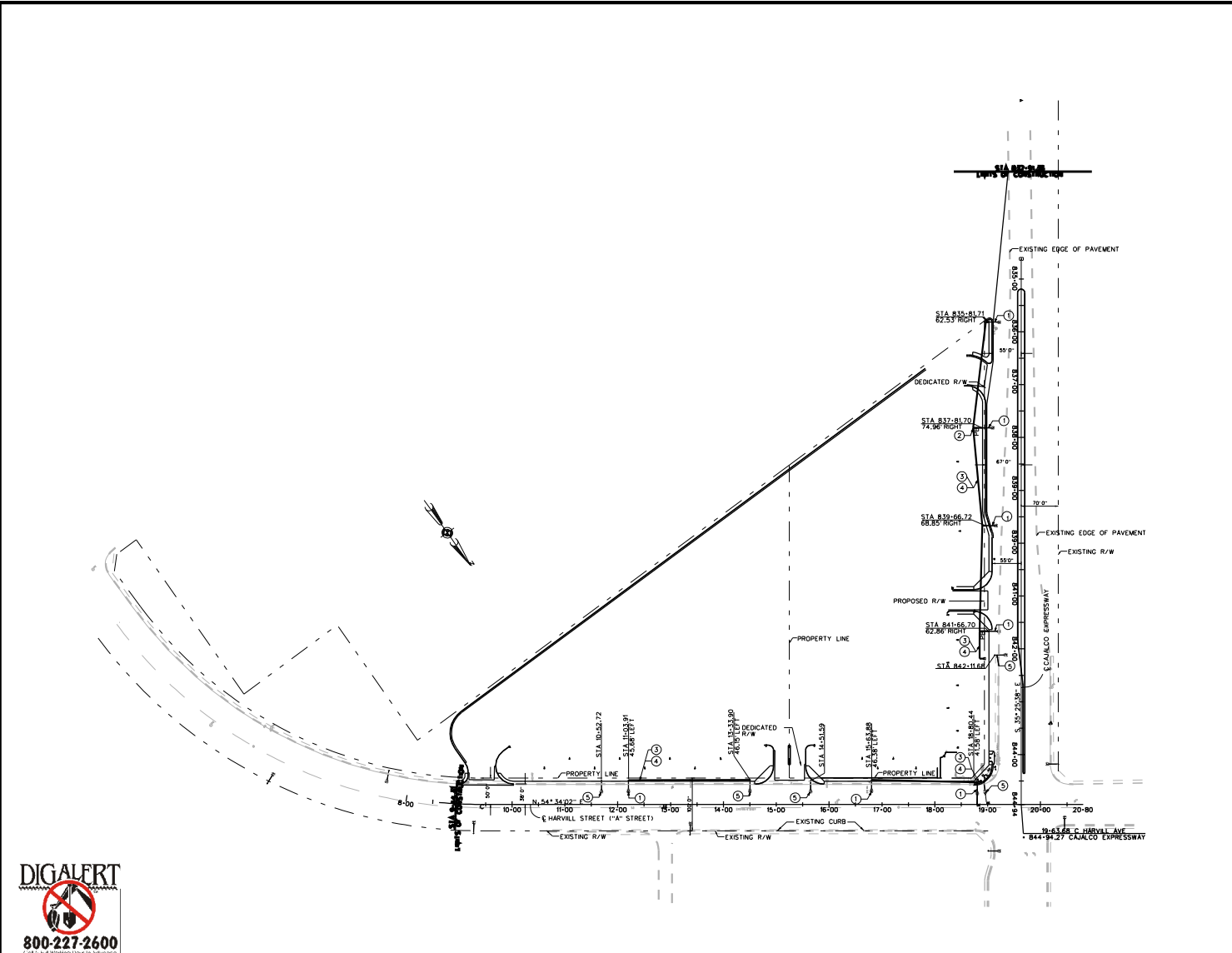
- 1 INSTALL STREET LIGHT STANDARD AND FOUNDATION PER COUNTY OF RIVERSIDE STD NO. 1001 WITH FULL CUTOFF LUMINAIRE AND 200W H.P.S. LAMP 22000 LUMENS 8 EA
- 2 INSTALL NO. 5 PULL BOX
- 3 INSTALL CONDUCTORS 3 - NO. 6 AWG FOR 120/240 VOLT SERVICE (ALTERNATE 120V CONDUCTOR CONNECTION AT EACH STREET LIGHT STANDARD/LUMINAIRE)
- 4 INSTALL 1 1/2" GALVANIZED STEEL CONDUIT
- 5 REMOVE EXISTING STREETLIGHT

LEGEND



TYPICAL STREET LIGHT FOUNDATION

STD. NO. 1001

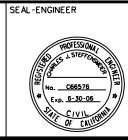


NOTE:
 WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.
 THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION. THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

DATE	BY	MARK	APPR	DATE
	ENGINEER			COUNTY
				REVISIONS



SEAL-COUNTY
 COUNTY OF RIVERSIDE
 DEPARTMENT OF TRANSPORTATION
 APPROVED BY:
 KHALED A. OTHMAN, P.E.
 CIVIL ENGINEER, R.C.E. NO. 33950
 DATE
 RECOMMENDED DATE



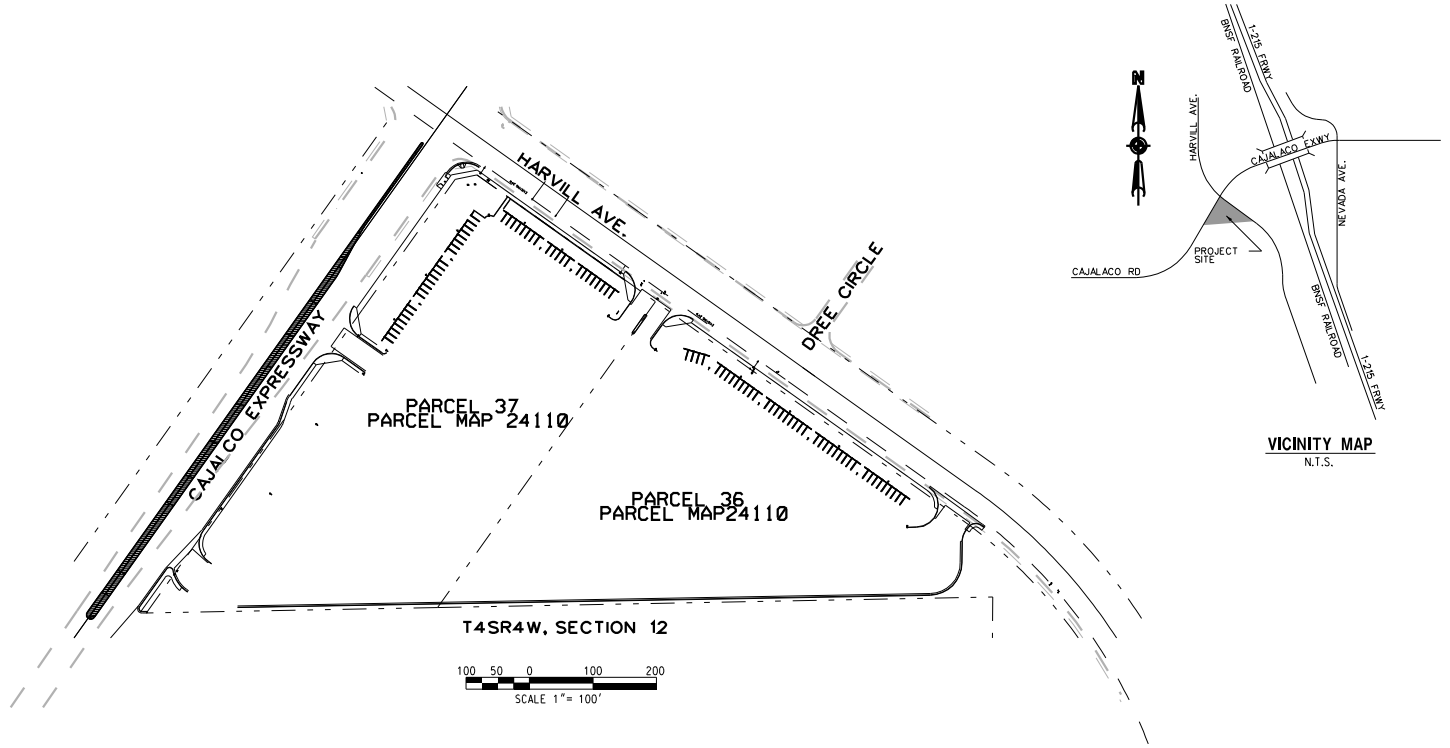
SEAL-ENGINEER
 WILSON & COMPANY, INC.
 275 W. HOSPITALITY LANE STE. 300
 SAN BERNARDINO, CALIFORNIA 92408
 PHONE: (909) 806-8000
 FAX: (909) 806-8099
 PREPARED BY:
 KHIN M. HWAN
 DATE
 7-30-04

BENCHMARK:
 NUMBER: 20469
 AGENCY: S.C.A. TRANS
 ELEVATION: 1496.87 FEET
 DATUM: SEA LEVEL DATUM OF 1929
 DESCRIPTION: CON. BRASS DISK
 LOCATION: IN CONCRETE 7.5' WEST OF
 RAMONA EXPRESSWAY 1/4 MILE SOUTH OF
 RAMONA EXPRESSWAY
 SCALE:
 HORIZONTAL: 1" = 100'

CUP3370 LP.No. 040124 040124	SHEET NO.
COUNTY OF RIVERSIDE	2
STREET LIGHT PLAN	OF 2 SHTS.
FOR:	W.O.
COUNTY FILE NO.:	

RIVERSIDE COUNTY TRAVEL ZONE STRIPING AND SIGNAGE CUP 03370

CAJALCO EXPRESSWAY AND HARVILL AVENUE



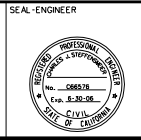
INDEX OF SHEETS:	
SHEET NO.(S)	DESCRIPTION
1	TITLE SHEET
2	STRIPING AND SIGNAGE PLAN

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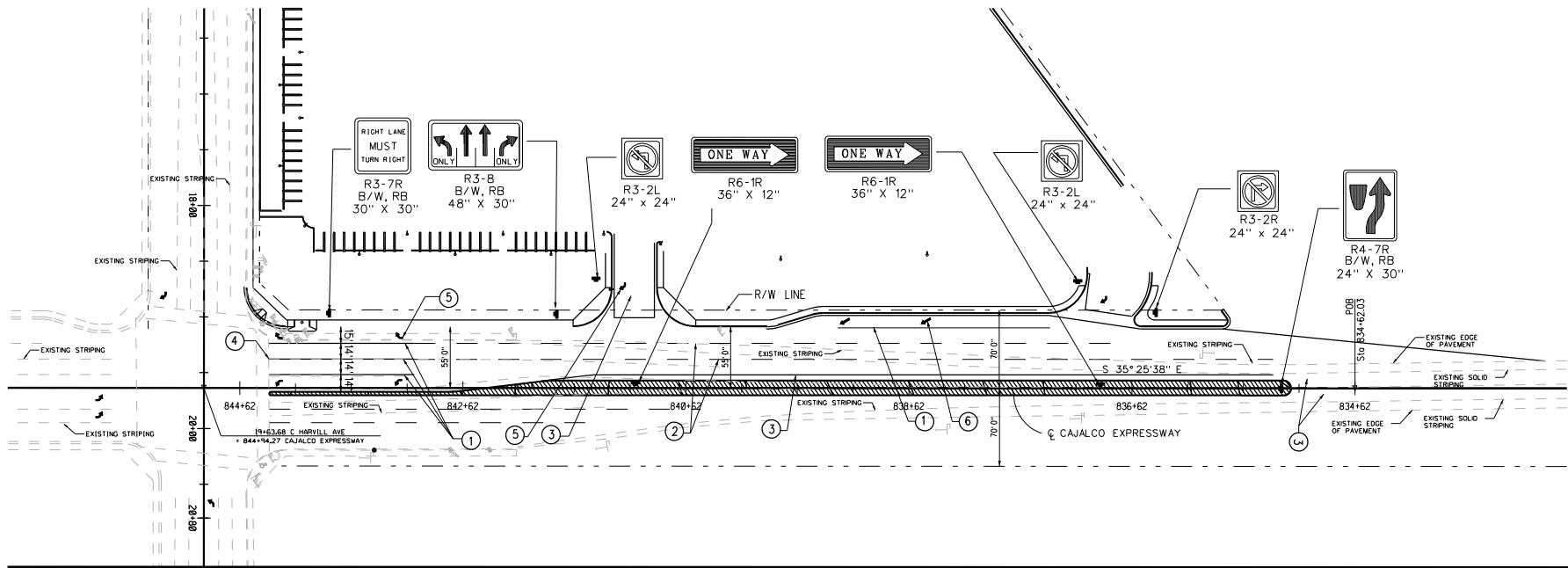
SEAL-COUNTY
 COUNTY OF RIVERSIDE
 DEPARTMENT OF TRANSPORTATION
 APPROVED BY:
 KHALED A. OTHMAN, P.E.
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SEAL-ENGINEER
 WILSON & COMPANY, INC.
 275 W. HOSPITALITY LANE STE. 300
 SAN BERNARDINO, CALIFORNIA 92408
 PHONE: (909) 806-8000
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 PREPARED BY:
 KHN M. HWAN
 DATE
 7-30-04

BENCHMARK:
 NUMBER: 20469
 AGENCY: S.C. TRANS
 ELEVATION: 1498.87 FEET
 DATUM: SEA LEVEL DATUM OF 1929
 DESCRIPTION: CON. BRASS DISK
 LOCATION: IN CONCRETE 4.2' WEST OF WEST 1/4 W. CORNER 33' EAST OF EAST 1/4 CORNER 1/8 MILE SOUTH OF RAMONA EXPRESSWAY

CUP3370	LP. No. 040124	040124	SHEET NO.
COUNTY OF RIVERSIDE			5-01
TITLE SHEET			OF 2 SHTS.
FOR:	W.O.	COUNTY FILE NO.:	

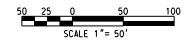


CONSTRUCTION NOTES

- ① PAINT SOLID WHITE STRIPE PER CALTRANS STD A200, DETAIL 38A, W · 4" .
- ② PAINT DASHED WHITE STRIPE PER DETAIL PER CALTRANS STD A20A, DETAIL B, W · 4" . LENGTH OF STRIPE · 10' . LENGTH OF GAP · 30' .
- ③ PAINT SOLID DOUBLE YELLOW LINE PER CALTRANS STD A20B, DETAIL 2B, W · 4" .
- ④ APPLY/REAPPLY THERMOPLASTIC SOLID CROSSWALK STRIPE, W · 8" .
- ⑤ APPLY THERMOPLASTIC TURN LANE PAVEMENT MARKING ARROW PER CALTRANS STD A24A, TYPE IV
- ⑥ APPLY THERMOPLASTIC LANE REDUCTION PAVEMENT MARKING ARROW PER CALTRANS STD A24A, TYPE VI.

GENERAL NOTES

- 1. TRAFFIC STRIPES, PAVEMENT MARKINGS, AND RAISED PAVEMENT MARKERS PER CALTRANS TRAFFIC MANUAL, STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION.
- 2. ALL SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED ON PLANS. SIGNS SHALL BE INSTALLED ON 4"x4" WOOD POST WITH ANCHOR BLOCKS UNLESS OTHERWISE NOTED ON THE PLAN.
- 3. ALL STRIPES, SIGNS, AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED. STENCILS FOR PAVEMENT MARKINGS SHALL BE MATCH COUNTY FEDERAL METRIC STANDARD STENCILS EXACTLY. ALL STRIPING AND MARKING DETAILS SHALL MATCH CALTRANS STANDARD PLANS DETAILS.
- 4. ALL CONFLICTING STRIPES AND PAVEMENT MARKINGS SHALL BE REMOVED BY SANDBLASTING OR GRINDING. CONFLICTING SIGNS AND RAISED PAVEMENT MARKERS SHALL BE REMOVED. ALL REMOVALS OF SIGNS AND MARKINGS SHALL BE RESPONSIBILITY OF THE DEVELOPER OR APPLICANT.
- 5. PAINTED TRAFFIC STRIPES AND PAINTED PAVEMENT MARKINGS (IF ALLOWED) SHALL BE APPLIED IN TWO COATS. PAVEMENT MARKINGS SHALL BE APPLIED IN THERMOPLASTIC FORMAT UNLESS APPROVED OTHERWISE.
- 6. ALL REMOVED SIGNS SHALL BE SALVAGED AND DELIVERED TO THE COUNTY YARD AS DIRECTED BY THE COUNTY INSPECTOR ON THE JOB SITE.
- 7. THE COUNTY INSTALLS SIGNS AND PAINTED LINES. INSTALLATION OF SIGNING AND STRIPING SHALL BE IN ACCORDANCE WITH THE APPROVED PLAN WITH ALL INCURRED COSTS BORNE BY THE DEVELOPER/APPLICANT. THE COUNTY RESERVES THE RIGHT TO REQUIRE ALL WORK TO BE DONE BY THE CONTRACTOR.
- 8. RAISED PAVEMENT MARKERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE STRIPING DETAILS SHOWN ON THE SIGNING AND STRIPING PLAN. INSTALLATION SHALL BE COMPLETE WITHIN DAYS OF ROADWAY STRIPING. RAISED PAVEMENT MARKERS ARE TO BE INSTALLED ON ROADWAYS WITH "EXPRESSWAY" OR "ARTERIAL" CLASSIFICATIONS ONLY.



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	<table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>MARK</th> <th>REVISIONS</th> <th>APPR</th> <th>DATE</th> <th>COUNTY</th> </tr> </thead> <tbody> <tr> <td> </td> <td>ENGINEER</td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	DATE	BY	MARK	REVISIONS	APPR	DATE	COUNTY		ENGINEER						PREPARED BY: KHIN M. HWAN DATE: 7-30-04 SCALE: HORIZONTAL: 1" = 50'
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