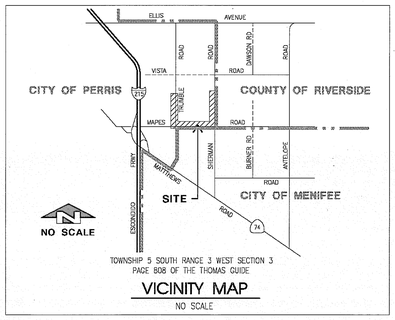
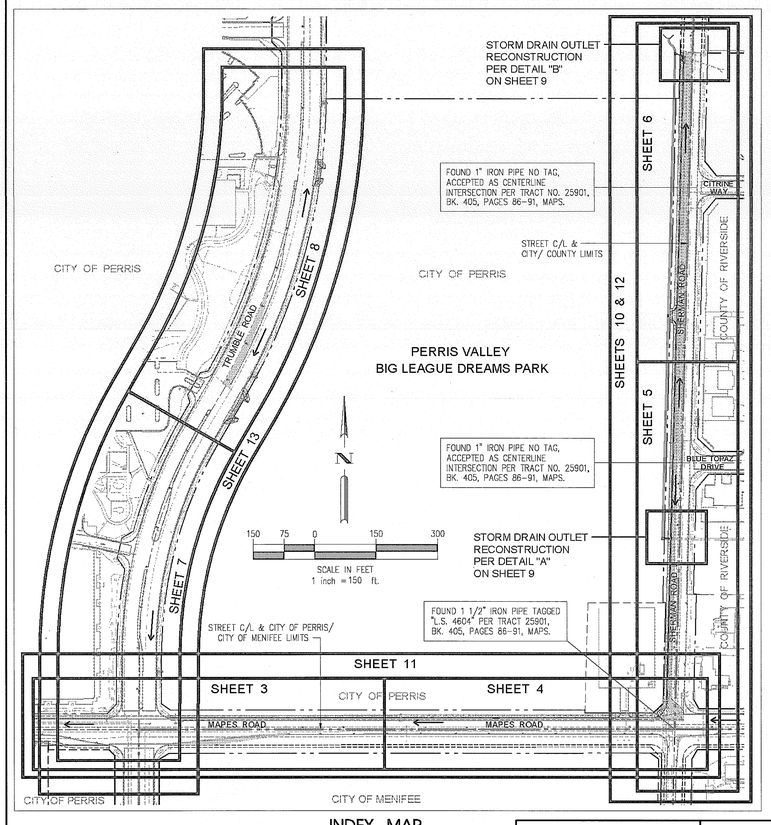


VICINITY MAP

NO SCALE



INDEX MAP

SCALE: 1" = 150'

CITY OF PERRIS

STREET IMPROVEMENT PLANS FOR MAPES ROAD, SHERMAN ROAD AND TRUMBLE ROAD

SHEET INDEX

SHT. NO.	DESCRIPTION
1	TITLE SHEET
2	DETAIL SHEET – TYPICAL STREET SECTIONS, CONSTRUCTION NOTES & QUANTITIES
3	STREET IMPROVEMENT PLAN – MAPES ROAD (STA 10+00.00 TO STA 16+00.00)
4	STREET IMPROVEMENT PLAN – MAPES ROAD (STA 16+00.00 TO STA 23+09.36)
5	STREET IMPROVEMENT PLAN – SHERMAN ROAD (STA 10+00.00 TO STA 19+00.00)
6	STREET IMPROVEMENT PLAN – SHERMAN ROAD (STA 19+00.00 TO STA 26+58.60)
7	STREET IMPROVEMENT PLAN – TRUMBLE ROAD (STA 10+00.00 TO STA 17+54.60)
8	STREET IMPROVEMENT PLAN – TRUMBLE ROAD (STA 17+54.60 TO STA 27+00.00)
9	STORM DRAIN PLAN – SHERMAN ROAD (STORM DRAIN OUTLET RECONSTRUCTION DETAILS)
10	STORM DRAIN PLAN – SHERMAN ROAD (STORM DRAIN LINE "F")
11	SIGNING AND STRIPING PLAN – MAPES ROAD (FROM TRUMBLE RD. TO SHERMAN RD.)
12	SIGNING AND STRIPING PLAN – SHERMAN ROAD (FROM MAPES RD. TO STA 26+58.60)
13	SIGNING AND STRIPING PLAN – TRUMBLE ROAD (FROM MAPES RD. TO STA 26+00.00)
14	STREET CROSS SECTIONS – MAPES ROAD (STA 11+00.00 TO STA 14+50.00)
15	STREET CROSS SECTIONS – MAPES ROAD (STA 15+00.00 TO STA 18+50.00)
16	STREET CROSS SECTIONS – MAPES ROAD (STA 19+00.00 TO STA 22+50.00)

NOTICE TO CONTRACTORS

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS TO THE BEST OF OUR KNOWLEDGE. THERE ARE NO EXISTING UTILITIES EXCEPT THOSE SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD OR NOT SHOWN ON THESE PLANS.

CONTRACTOR SHALL ALSO NOTIFY THE CITY OF PERRIS AT (951) 943-5003, COUNTY OF RIVERSIDE AT (951) 955-6790, CITY OF MENIFEE AT (951) 672-6777, AND EASTERN MUNICIPAL WATER DISTRICT AT (951) 926-3777 AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.

ALL CONTRACTORS AND SUBCONTRACTORS PERFORMING WORK SHOWN ON OR RELATED TO THESE PLANS SHALL CONDUCT THEIR OPERATIONS SO THAT ALL EMPLOYEES ARE PROVIDED A SAFE PLACE TO WORK AND THE PUBLIC IS PROTECTED. ALL CONTRACTORS AND SUBCONTRACTORS SHALL COMPLY WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR, AND THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS".

THE CIVIL ENGINEER SHALL NOT BE RESPONSIBLE IN ANY WAY FOR THE CONTRACTORS' AND SUBCONTRACTORS' COMPLIANCE WITH THE "OCCUPATIONAL SAFETY AND HEALTH REGULATIONS" OF THE U.S. DEPARTMENT OF LABOR OR WITH THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS".

CONTRACTOR FURTHER AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

LEGAL DESCRIPTION

IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, BEING LOTS 476 THROUGH 489 OF ROMOLA FARMS NO. 6A AS SHOWN BY MAP ON FILE IN BOOK 14 OF MAPS, PAGES 63, 64 AND 65, RECORDS OF SAID RIVERSIDE COUNTY, TOGETHER WITH THE SOUTHEAST ONE-QUARTER OF THE SOUTHEAST ONE-QUARTER OF THE SOUTHWEST ONE-QUARTER OF SECTION 3, TOWNSHIP 5 SOUTH, RANGE 3 WEST, SAN BERNARDINO MERIDIAN.

BASIS OF BEARINGS

BEARINGS SHOWN HEREON ARE BASED UPON THE CENTERLINE OF SHERMAN ROAD BEING NORTH 01°29'32" EAST AS SHOWN ON TRACT MAP NO. 25901, FILED IN BOOK 405, PAGES 86 THROUGH 91 OF MAPS, OFFICIAL RECORDS OF THE COUNTY OF RIVERSIDE.

UTILITY COMPANIES

EASTERN MUNICIPAL WATER DISTRICT	(951) 928-3777
VERIZON	(800) 483-4000
SO. CAL. EDISON COMPANY	(951) 928-8234
THE GAS COMPANY	(800) 427-2200
UNDERGROUND SERVICE ALERT	(800) 227-2600

STREET GENERAL NOTES

1. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER/OWNER OR CONTRACTOR TO APPLY TO THE CITY OF PERRIS ENGINEERING DEPARTMENT/ 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.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEARING AND GRUBBING THE PROPOSED WORK AREA, AND RELOCATION COST OF ALL EXISTING CONFLICTING UTILITIES. PERMITEE MUST INFORM CITY/ COUNTY OF CONSTRUCTION SCHEDULE AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION.
3. THE CONTRACTOR IS REQUIRED TO LOCATE AND ADJUST TO GRADE ALL EXISTING MANHOLES AND VALVE COVERS FOR WATER, SEWER, TELEPHONE, ELECTRIC, CABLE TV, AND OTHER FACILITIES AS REQUIRED.
4. ALL WORK TO BE PERFORMED PER CITY OF PERRIS, RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT, RIVERSIDE COUNTY FLOOD CONTROL, E.M.W.D. AND CALTRANS STANDARDS AND SPECIFICATIONS.
5. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO NOTIFY THE ENGINEER TO INSTALL OR REPLACE DAMAGED STREET CENTERLINE MONUMENTS AS REQUIRED BY RIVERSIDE COUNTY ORDINANCE NO. 461.
6. 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.
7. CURB DEPRESSSIONS AND DRIVEWAY APPROACHES WILL BE INSTALLED AND CONSTRUCTED ACCORDING TO COUNTY STANDARD NO. 206 AND/OR NO. 207, AS DIRECTED IN THE FIELD.
8. THE CONTRACTOR IS REQUIRED TO INSTALL BLUE REFLECTIVE PAVEMENT MARKERS AT ALL FIRE HYDRANT LOCATIONS IN THE WORK AREA.
9. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR DEVELOPER 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 THE FINAL COMPLETION AND ACCEPTANCE OF THE PROJECT BY THE CITY/ THE COUNTY. A TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO OBTAINING AN ENCROACHMENT PERMIT.
10. ALL STREET SECTIONS SHOWN ON PLANS ARE MINIMUM PROPOSED. PAVEMENT SECTIONS ARE TO BE VERIFIED BY R-VALUE TEST ALONG W/ SOILS ENGINEER'S RECOMMENDATIONS.
11. 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 GALLON PER SQUARE YARD REPECTIVELY. ASPHALTIC EMULSION SHALL CONFORM TO SECTION 37, 39 AND 94 OF THE STATE STANDARD SPECIFICATIONS.
12. PROTECT IN PLACE EXISTING MONUMENTS OR RECORD AND RESET SURVEY MONUMENTS BY A QUALIFIED REGISTERED SURVEYOR.
13. CRACK SEALING IS REQUIRED FOR ALL STREET SEGMENTS TO RECEIVE OVERLAY.
14. AS DETERMINED BY THE CITY ENGINEER/ TRANSPORTATION DIRECTOR, THE DEVELOPER IS RESPONSIBLE AS A MINIMUM FOR ROAD IMPROVEMENTS TO CENTERLINE, AND MAY BE REQUIRED TO RECONSTRUCT EXISTING PAVEMENT, INCLUDING BASE, AND MATCHING OVERLAY REQUIRED TO MEET THE STRUCTURAL STANDARDS FOR THE CURRENT ASSIGNED TRAFFIC INDEX.
15. ANY PRIVATE DRAINAGE FACILITIES SHOWN ON THESE PLANS ARE FOR INFORMATION ONLY. BY SIGNING THESE IMPROVEMENT PLANS, NO REVIEW OR APPROVAL OF THOSE PRIVATE FACILITIES IS IMPLIED OR INTENDED BY THE RIVERSIDE COUNTY TRANSPORTATION DEPARTMENT.
16. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AND OTHER UTILITY COMPANIES AS NEEDED TO COORDINATE FOR PROTECTION AND/ OR ADJUSTMENTS OF UTILITIES, AS REQUIRED.
17. THE CONTRACTOR IS RESPONSIBLE TO PROVIDE FOR TRAFFIC CONTROL DEVICES AS NEEDED. THE CONTRACTOR SHALL MAINTAIN THESE DEVICES AT ALL TIMES INCLUDING HOLIDAYS, WEEKENDS, ETC. FLAGMAN SHALL BE UTILIZED AS REQUIRED TO PROVIDE TWO WAY TRAFFIC DURING CONSTRUCTION. ACCESS TO INDIVIDUALS HOMES SHALL BE PROVIDED DURING AND AFTER CONSTRUCTION.
18. EXISTING PUBLIC STREETS SHALL REMAIN OPEN TO THE PUBLIC DURING CONSTRUCTION AND BE MAINTAINED BY THE CONTRACTOR, UNLESS OTHERWISE PROVIDED IN THE PLANS AND SPECIFICATIONS. PUBLIC INCONVENIENCE WILL BE MINIMIZED AT ALL TIMES AND SUCH STREETS SHALL BE LEFT FREE OF DIRT AND DEBRIS AT THE END OF EACH WORKING DAY UNLESS PERMISSION IS OTHERWISE GRANTED BY THE CITY/ THE COUNTY ENGINEER.

STORM DRAIN GENERAL NOTES

1. CONSTRUCTION INSPECTION WILL BE PERFORMED BY CITY OF PERRIS . THE CITY MUST BE NOTIFIED TWO WEEKS PRIOR TO CONSTRUCTION.
2. ALL STATIONING REFERS TO CENTERLINE OF CONSTRUCTION UNLESS OTHERWISE NOTED.
3. STATIONING FOR LATERALS AND CONNECTOR PIPE REFER TO THE CENTERLINE-CENTERLINE INTERSECTION STATION.
4. 48 HOURS BEFORE EXCAVATION, CALL UNDERGROUND SERVICE ALERT AT 1-800-227-2600.
5. ALL CROSS SECTIONS ARE TAKEN LOOKING DOWNSTREAM.
6. ELEVATIONS OF UTILITIES ARE APPROXIMATE UNLESS OTHERWISE NOTED.
7. 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 CITY ENGINEER'S DEPARTMENT.
8. PIPE WITH LESS THAN TWO FEET OF COVER SHALL HAVE SLURRY BACKFILL. ALL OTHER PIPE SHALL CONFORM TO RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STANDARD DRAWING M815.
9. ALL CURBS, GUTTERS, SIDEWALKS, DRIVEWAY AND OTHER EXISTING IMPROVEMENTS TO BE RECONSTRUCTED IN KIND AND AT THE SAME ELEVATION AND LOCATION AS THE EXISTING IMPROVEMENTS UNLESS OTHERWISE NOTED.
10. CONTRACTOR SHALL PROVIDE CITY ENGINEER WITH VIDEO OF THE STORM DRAIN PRIOR TO FINAL PAVEMENT CAP.

SIGNING AND STRIPING GENERAL NOTES

1. TRAFFIC STRIPES, PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS PER CALTRANS TRAFFIC MANUAL, STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION, AND CA-MUTCD.
2. ALL SIGNS SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED ON PLANS. SIGNS SHALL BE INSTALLED ON 4" X 4" WOOD POSTS WITH ANCHOR BLOCKS UNLESS OTHERWISE NOTED ON THE PLAN.
3. ALL STRIPES, SIGNS, AND PAVEMENT MARKINGS SHALL BE REFLECTORIZED. STENCILS FOR PAVEMENT MARKINGS SHALL 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 THE 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 CITY/ THE COUNTY YARD AS DIRECTED BY THE CITY/ THE COUNTY INSPECTOR ON THE JOB SITE.
7. THE CONTRACTOR SHALL REPLACE ALL STRIPING, LEGENDS, AND SIGNS IF THEY ARE DAMAGED DURING CONSTRUCTION AT NO EXTRA COST TO THE CITY, OR THE COUNTY.
8. THE CONTRACTOR SHALL INSTALL ALL SIGNS, AND PAINTED LANE LINES. INSTALLATION OF SIGNING AND STRIPING SHALL BE IN ACCORDANCE WITH THE APPROVED PLAN WITH ALL INCURRED COSTS BORNE BY THE DEVELOPER OR APPLICANT.
9. RAISED REFLECTIVE PAVEMENT MARKERS (RRPM'S) 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 SEVEN WORKING DAYS OF ROADWAY STRIPING. RAISED PAVEMENT MARKERS ARE TO BE INSTALLED ON ROADWAYS WITH "EXPRESSWAY" OR "ARTERIAL" CLASSIFICATIONS. RRPM'S MAY BE REQUIRED ON OTHER STREETS AS DEEMED NECESSARY BY THE CITY ENGINEER, OR THE COUNTY.

COUNTY INSPECTION NOTE:
THIS PROJECT IS NOT BONDED BY COUNTY AND TO BE INSPECTED BY PERMITS DIVISION UNDER ZEDA0037

COUNTY PERMIT NOTE:
APPROVAL BY THE COUNTY OF RIVERSIDE TRANSPORTATION DEPARTMENT IS FOR THE AREA WITHIN COUNTY ROAD R/W ONLY

NOTES:
1. LIST OF SHEETS SIGNED BY THE COUNTY OF RIVERSIDE: 1, 2, 4, 5, 6, 9, 10, 11, AND 12.
2. NO GRADING PLAN PROVIDED. ALL GRADING IS WITHIN THE CITY OF PERRIS.

CITY OF MENIFEE
LIST OF SHEETS SIGNED BY THE CITY OF MENIFEE: 1, 2, 3, 4, 11, 14, 15 AND 16.
APPROVED BY:
CITY ENGINEER DATE

EMWD NOTIFICATION:
ATLEAST 48 HOURS PRIOR TO PRE JOB MEETING SCHEDULE AND COMMENCING CONSTRUCTION, CONTRACTOR SHALL NOTIFY EMWD FIELD ENGINEERING DEPARTMENT AT 951-926-3777 EXT. 4830.

DIGALERT
DIAL TOLL FREE 1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG

DATE	BY	MARK	REVISIONS	APPR.	DATE
			ENGINEER	CITY	

SEAL – COUNTY
REGISTERED PROFESSIONAL ENGINEER ALAN D. FRENCH No. CE 45702 Exp. 12-31-10 CIVIL STATE OF CALIFORNIA

COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
APPROVED BY:
ALAN D. FRENCH, PE DATE
RECOMMENDED DATE

CITY OF PERRIS
(CITY RIGHT-OF-WAY ONLY)
APPROVED BY:
CITY ENGINEER DATE

SEAL – ENGINEER
REGISTERED PROFESSIONAL ENGINEER DAVID LEE BACON No. 40496 Exp. 3-31-11 CIVIL STATE OF CALIFORNIA

PLANS PREPARED UNDER THE SUPERVISION OF:
WALDEN & ASSOCIATES
CIVIL ENGINEERS LAND SURVEYORS PLANNERS
2552 WHITE ROAD, SUITE B, IRVINE, CA 92614
(949) 660-0110 FAX: 660-0418
DAVID L. BACON P.E. 40496 DATE

BENCHMARK ELEV. 1412.409 FT.
RIVERSIDE COUNTY BENCHMARK: 500-33-68.
STANDARD BRASS DISK ON CONCRETE POST 1.3 MILES SOUTHEAST ALONG THE ATCHISON, TOPEKA AND SANTA FE RAILWAY FROM THE STATION IN PERRIS, 125 FT. NORTH OF CASE ROAD, 56 FT. NORTH OF THE MOST NORTHERLY RAIL OF THE TRACK, 5 FT. WEST OF POWER POLE #74680, 2 FT. LOWER THAN THE RAILWAY, 2 FT. EAST OF A MARKER POST. SET A BRASS DISK IN THE TOP OF A CONCRETE POST.
SCALE: AS SHOWN DATE: 11/04/09

COUNTY OF RIVERSIDE: MS 4216 IP 090020 W.O. ZEDA0037

CITY OF PERRIS

CITY FILE NO. P8-1099

STREET IMPROVEMENT PLANS
TITLE SHEET
MAPES ROAD
SHERMAN ROAD
TRUMBLE ROAD

SHEET 1 OF 16 SHEETS