

- STREET IMPROVEMENT GENERAL NOTES**
- ALL IMPROVEMENTS SHALL BE COMPLETED IN ACCORDANCE WITH THIS PLAN AND COMPLY WITH THE LATEST SAN BERNARDINO COUNTY ROAD PLANNING AND DESIGN STANDARDS MANUAL, AS WELL AS THE SAN BERNARDINO COUNTY STANDARDS AND SPECIFICATIONS, AND THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS GENERAL PERMIT CONDITIONS AND TRENCH SPECIFICATIONS.
 - BENCH MARK DATA
 - STREET MARKERS PER SAN BERNARDINO COUNTY STANDARD NO. 305, SHALL BE CONSTRUCTED AT EACH INTERSECTION.
 - STREET MARKERS SHALL BE CONSTRUCTED AT EACH INTERSECTION IN ACCORDANCE WITH APPLICABLE SAN BERNARDINO COUNTY STANDARDS. ALL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH COUNTY AND SPS SPECIFICATIONS.
 - A PERMIT WILL BE REQUIRED FROM THE COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS PRIOR TO ANY ENCROACHMENT OR CONSTRUCTION WITHIN THE COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS JURISDICTION.
 - LEAVE 12" OF BACKCUTS IN SIDEWALKS OR MALDENES, ETC. WHEN SIDEWALK IS PLACED ADJACENT TO CURBS.
 - IF ASPHALT CONCRETES TO BE PLACED DIRECTLY ON EXISTING ROAD OR DRAINAGE FACILITIES A SOIL STABILANT REGISTERED BY THE E.P.A. FOR USE UNDER A.C. AND P.C.C. SHALL BE UNFORMALLY APPLIED AT THE MANUFACTURER'S RECOMMENDED RATE FOR THE FULL PAVEMENT WIDTH PRIOR TO PAVING.
 - IN SUPPORT OF THE PAVEMENT SECTION INDICATED ON THE PLANS, APPLICANT SHALL SUBMIT BOTH A MATERIAL REPORT AND CALCULATE A TRAFFIC INDEX TO BE BASED ON CLASSIFICATION COUNTS, CALCULATIONS AND SUPPORTING DOCUMENTS FOR THE (1) VALUE SHALL BE INCLUDED IN THE SUBMITTAL TO COUNTY PUBLIC WORKS. THE MATERIAL REPORT SHALL INCLUDE AT A MINIMUM: THE LOCATION OF THE RAMPING, A TABULATION OF SE ANALYSES AND SAND EQUIVALENT TEST RESULTS, A STATEMENT OF RECOMMENDED STRUCTURAL SECTION AND TEST DATA, AND ALL TESTS PERFORMED INCLUDING VIBROPLACEMENT SHALL BE SUBMITTED BY THE ENGINEER TO THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, PERMIT/OPERATION SUPPORT DIVISION, TRANSPORTATION PERMIT SECTION FOR REVIEW AND ACCEPTANCE BY THE PREVENT MANAGEMENT SECTION APPROVAL. THIS IS GIVEN WHEN STRUCTURAL SECTION REQUIREMENTS HAVE BEEN MET.
 - CONSTRUCTION TESTS OF EMBANKMENT CONSTRUCTION, TRENCH BACKFILL, COMPACTING ORIGINAL GROUND, ALL SUBGRADES SHALL BE PERFORMED AT NO COST TO SAN BERNARDINO COUNTY. A WRITTEN REPORT WITH THESE COMPACTION TESTS SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS, PERMIT/OPERATION SUPPORT DIVISION, TRANSPORTATION PERMIT SECTION FOR APPROVAL PRIOR TO PLACEMENT OF BASE MATERIAL AND/OR SURFACING.
 - AT THE COMPLETION OF PAVING, A MATERIALS REPORT SHALL BE SUBMITTED TO THE SAN BERNARDINO COUNTY PUBLIC WORKS DEPARTMENT, PERMIT/OPERATION SUPPORT DIVISION, TRANSPORTATION PERMIT SECTION, LISTING ALL TESTS OR DETERMINATIONS COMPLETED TO DATE.
 - A. FILL
 - B. STABILITY, OIL CONTENT AND SIEVE ANALYSIS OF ASPHALT SURFACING.
 - THE WATER MAIN AND GAS MAINS SHALL BE PLACED UNDERGROUND PRIOR TO PAVING CONSTRUCTION. THE SERVICE LATERALS FOR THE WATER SYSTEM SHALL BE INSTALLED AT A LATER DATE. WHERE IT IS NECESSARY TO CROSS PAVEMENT, SERVICE LATERALS SHALL BE BORED INTO PLACE.
 - FILL AND GRADE TO DRAIN ALL LOW AREAS ADJACENT TRACT ROADS TO A MINIMUM OF 1% GRADES.
 - ALL LATERAL CURBS INTO COUNTY MAINTAINED ROADWAYS SHALL BE TESTED TO VERIFY TO 90% RELATIVE COMPACTION (R.C.) AT VARYING DEPTHS TO WITHIN 5" OF GRADING PLANE. THE TOP 5" SHALL BE DENISED TO 90%.
 - ALL LATERAL CURBS INTO COUNTY MAINTAINED ROADWAYS SHALL BE TESTED IN ACCORDANCE WITH THE SPECIFIED LIMITS AND AS OUTLINED IN SECTION 6.C. OF THE SAN BERNARDINO COUNTY STANDARDS AND SPECIFICATIONS.
 - INDICATELY THE LOCATION OF ANY PAVEMENT OR DIKE OR CURB AND/OR GUTTER. THE CONTRACTOR SHALL DILIGENTLY PURSUE THE PORTION OF WORK UNTIL COMPLETION.
 - DEPARTMENT OF PUBLIC WORKS APPROVAL DOES NOT INCLUDE WATER SEWER SYSTEM OR ESTIMATE OF QUANTITIES.
 - DRAINAGE SOLES IN PAVED AREAS SHALL BE THE SURFACE UNDER CURBS, GUTTERS, SIDEWALKS AND DRIVEWAY APPROACHES SHALL BE SCARIFIED TO THE DEPTH OF AT LEAST EIGHT (8) INCHES AND MOISTURE SHALL BE APPLIED TO MAINTAIN FREE WATER ON THE SURFACE FOR AT LEAST 24 HOURS PRIOR TO PLACING CONCRETE AND THE SURFACE SHALL THEN BE PREPARED WITHOUT CONNECTION ERROR.
 - CURBS AND GUTTER CROSS GUTTER AND SPANNERS SHALL BE SO CONSTRUCTED TO A MINIMUM OF PONDING OCCURS. SECTIONS MAKING GRADIENTS OF CURBS OR LATTER SHALL BE WATER TESTED IN THE PRESENCE OF THE INSPECTOR IMMEDIATELY PRIOR TO ACCEPTANCE. SECTIONS WHICH HAVE WATER PONDING MORE THAN 1/2" WIDE OR MORE THAN 1" LONG SHALL BE SAW-CUT AND REMOVED IN LENGTHS NOT LESS THAN 4' AND REPAIRED TO REDEVELOP TO THE MAXIMUM SPECIFIED.
 - IF DURING CONSTRUCTION, GROUND WATER IS ENCOUNTERED, A SYSTEM APPROVED BY THE SAN BERNARDINO COUNTY DEPARTMENT OF PUBLIC WORKS SHALL BE INSTALLED TO CONTROL GROUND WATER AS AT THE DISCRETION OF THE SOILS ENGINEER.
 - THE PRIVATE ROAD SHALL BE BUILT TO THE COUNTY MAINTAINED ROAD WIDTH.
 - THE ENGINEER SHALL INSPECT AND CERTIFY THAT ALL PRIVATE ROAD AND DRAINAGE IMPROVEMENTS HAVE BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS.
 - ALL 5.4% OR LESS CURB GRADE LINES SHALL BE STAKED AT 20' INTERVALS AND FORMS CERTIFIED BY THE ENGINEER BEFORE POURING CONCRETE.
 - ALL 5.4% OR LESS CURB GRADE LINES SHALL BE STAKED AT 20' INTERVALS AND FORMS CERTIFIED BY THE ENGINEER BEFORE POURING CONCRETE.
 - ALL CONFLICTING ROADWAYS THAT WILL REQUIRE RECONSTRUCTION SHALL REMAIN OPEN FOR TRAFFIC AT ALL TIMES WITH ADEQUATE DETOURED CIRCUMFACIAL CONSTRUCTION.
 - THE PRIVATE ENGINEER IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF WORK HEREON. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISE THE PLAN FOR APPROVAL BY THE COUNTY OF SAN BERNARDINO.
 - ALL SIGNAGE SHALL BE INSTALLED TO THE CENTER OF AN INTERSECTION. IT MUST BE MAINTAINED IN PLACE UNTIL THE JOB IS FULLY COMPLETED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SIGNAGE.
 - THE JOB IS FULLY COMPLETED UNTIL SUCH TIME AS THE INSPECTOR DETERMINES THAT THE JOB IS FULLY COMPLETED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF ALL SIGNAGE.
 - THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.

STREET IMPROVEMENT PLAN XXXXXXX

VICINITY MAP

CONSTRUCTION NOTES

QUANTITY
XXXXXXX

INDEX MAP
SCALE 1"=XX'

- CONSTRUCT "C" AC OVER "C" AS (CLASS II) PER GENERAL NOTE 8.
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LEGEND

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SHEET INDEX

SHEET 1: TITLE SHEET
SHEET 2
SHEET 3

TRAFFIC CONTROL - GENERAL NOTES

- ALL SIGNING, STRIPING AND PAVEMENT MARKINGS SHALL BE IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- ALL STRIPING AND PAVEMENT MARKINGS SHALL BE PAINTED IN CONFORMANCE WITH THE 2015 CALTRANS STANDARD PLANS DATED OCTOBER 30, 2015.
- ALL STRIPING (G-ONG LINE) AND PAVEMENT MARKINGS SHALL BE RETROREFLECTIVE PAINT.
- ALL SIGNS SHALL BE OF HIGH INTENSITY (FHWA TYPE B) OR RETROREFLECTIVE SHEETING (DOT)
 - NO PARKING SIGNS SHALL BE OF SUPER ENGINEERING GRADE (FHWA TYPE B) OR RETROREFLECTIVE SHEETING.
 - SCHOOL SIGNS SHALL BE OF SUPER ENGINEERING GRADE (FHWA TYPE B) OR RETROREFLECTIVE SHEETING.
 - STREET NAME MARKINGS SHALL BE OF DAMING GRADE (FHWA TYPE B) OR RETROREFLECTIVE SHEETING AND CONFORM TO COUNTY STANDARD 303.
- CONTRACTOR SIGNS SHALL BE OF DAMING GRADE (FHWA TYPE B) OR RETROREFLECTIVE SHEETING.
 - ALL DELINEATORS, CHANNELIZERS, AND OBJECT MARKERS SHALL BE OF FHWA TYPE B OR RETROREFLECTIVE SHEETING.
- SIGNS SHALL BE MOUNTED ON METAL POSTS TO COUNTY STANDARDS 300A AND 300B.
- ALL CONFLICTING STRIPING AND PAVEMENT MARKINGS NOT SHOWN ON PLANS SHALL BE REMOVED BY THE CONTRACTOR. REMOVAL SHALL BE ACCOMPLISHED BY SANDBLASTING, GRINDING, OR ALTERNATED BY COUNTY REPRESENTATIVE.
- ALL CONFLICTING SIGNS SHALL BE REMOVED, RELOCATED, OR COVERED BY THE CONTRACTOR. RELOCATABLE SIGNS SHALL BE INSTALLED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY COUNTY REPRESENTATIVE.
- ALL UNPROTECTED LOCATIONS RESULTING IN ISOLATED ABRUPT DEPRESSIONS OR ELEVATED OBJECTS (I.E. CATCH BASIN, HEADWALLS, POWER POLES, END TREATMENT OF ASPHALT DRES AND CONCRETE CURBS) SHALL BE PROTECTED BY GUARDRAILS OR BARRIERS PER THE CALIFORNIA MUTCD LATEST EDITION.
- ALL EXISTING SIGNING, STRIPING AND PAVEMENT MARKINGS (I.E. CROSS STREET STOP, STOP LIGHT LINE, AND CROSSWALK) PAVEMENT MARKINGS NOT SHOWN ON PLANS, IF REMOVED/DISTEGRATED, SHALL BE REPLACED/RESTORED OF SAME KIND, AND IN CONFORMANCE WITH THE CALIFORNIA MUTCD LATEST EDITION.
- THE CONTRACTOR SHALL NOTIFY COUNTY REPRESENTATIVE TO SCHEDULE A FINAL REVIEW (WALK THROUGH) WITH TRAFFIC DIVISION PERSONNEL FOR APPROVAL OF TRAFFIC CONTROL DEVICES PRIOR TO PROJECT ACCEPTANCE.

PRIVATE ENGINEER'S NOTE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO UNRECORDED UTILITY PIPES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO VERIFY THE ACCURACY OF ALL UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS OR STRUCTURES SHOWN ON THESE DRAWINGS.

CONTRACTOR AGREES THAT HE/SHE 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 THE CONTRACTOR SHALL ACCEPT FULL RESPONSIBILITY AND HOLD THE COUNTY OF SAN BERNARDINO, THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

TYPICAL SECTION



BENCHMARK
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Car TOLL FREE
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TWO WORKING DAYS BEFORE YOU DIG

MARK	REVISIONS	APPRO DATE

COUNTY OF SAN BERNARDINO DEPARTMENT OF PUBLIC WORKS	
DESIGN ENGINEER	DATE
APPROVED BY	
DESIGN ENGINEER	DATE
DESIGN ENGINEER	DATE

TITLE SHEET		ROAD NO.
TRACT NO. XXXXXX		FILE NO.
APN		
CITY		SHEET 1of X

PRELIMINARY - FOR REVIEW PURPOSES ONLY