GENERAL NOTES

- 1. A PERMIT SHALL BE OBTAINED AND ALL FEES AND DEPOSITS FOR CONSTRUCTION INSPECTION SHALL BE PAID TO THE PUBLIC WORKS DEPARTMENT. PRIOR TO STARTING WORK UNDER THIS CONTRACT. ALSO, ALL OTHER REQUIRED PERMITS, SUCH AS ROAD EXCAVATION PERMITS, MUST BE OBTAINED PRIOR TO STARTING WORK.
- 2. THE CONTRACTOR SHALL CONTACT THE CITY OF SAN DIMAS TO ARRANGE FOR AN ACCEPTABLE CONSTRUCTION START DATE.
- APPROVAL OF THIS PLAN BY THE CITY OF SAN DIMAS DOES NOT CONSTITUTE A REPRESENTATION TO THE ACCURACY OF THE LOCATION, OR THE EXISTENCE OR NONEXISTENCE OF ANY UNDERGROUND UTILITY, PIPE, OR STRUCTURE WITHIN THE LIMITS OF THIS PROJECT. THIS NOTE APPLIES TO ALL SHEETS.
- 4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" (INCLUDING SUPPLEMENTS), AND SHALL BE PROSECUTED ONLY IN THE PRESENCE OF THE CITY ENGINEER/DIRECTOR OF PUBLIC WORKS.
- 5. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10.4.1 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION IN REGARD TO SAFETY ORDERS AND SHALL CONFORM TO THE "MINIMUM PUBLIC SAFETY REQUIREMENTS" AS SHOWN ON THE LOS ANGELES COUNTY PUBLIC WORKS STANDARD PLAN 6008.
- 6. ELEVATIONS ARE IN FEET ABOVE U.S.C. AND G.S. MEAN SEA LEVEL DATUM OF 1929 UNLESS OTHERWISE INDICATED.
- 7. NO CONCRETE SHALL BE PLACED UNTIL THE FORMS AND REINFORCING STEEL HAVE BEEN PLACED, INSPECTED, AND APPROVED. 8. ALL STRUCTURAL CONCRETE SHALL BE PORTLAND CEMENT CONCRETE WITH AN
- ULTIMATE 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI UNLESS OTHERWISE NOTED. 9. TRANSVERSE REINFORCEMENT AND TRANSVERSE JOINTS SHALL BE PLACED AT RIGHT
- ANGLES (OR RADIAL) TO THE CONDUIT CENTERLINE EXCEPT AS OTHERWISE SHOWN ON THE DRAWINGS. 10. ALL STEEL ADJACENT TO FACE OF CONCRETE SHALL HAVE A 2-1/2-INCH CLEARANCE
- UNLESS OTHERWISE SPECIFIED. 11. REINFORCEMENT SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE STEEL, PER ASTM
- A615GRADE 60. 12. ALL BAR BENDS AND HOOKS SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE "MANUAL OF STANDARD PRACTICE."
- 13. DIMENSIONS FROM FACE OF CONCRETE TO STEEL ARE TO CENTERLINE OF STEEL UNLESS OTHERWISE NOTED.
- 14. ALL STEEL THAT IS TO BE CONTINUOUS SHALL HAVE A MINIMUM LAP OF 30 BAR DIAMETERS OR 18 INCHES, WHICHEVER IS GREATER.
- 15. ALL CONSTRUCTION JOINTS IN THE FOOTING OR SLABS AND WALLS SHALL BE IN THE SAME PLANE. NO STAGGERING OF JOINTS WILL BE PERMITTED.
- 16. ALL EXPOSED EDGES SHALL BE FINISHED WITH A 3/4-INCH CHAMFER.
- 17. UNLESS OTHERWISE SHOWN, CONCRETE DIMENSIONS SHALL BE MEASURED VERTICALLY OR HORIZONTALLY AND PARALLEL OR AT RIGHT ANGLES (OR RADIAL) TO THE CENTER LINE OF CONSTRUCTION.
- 18. CONCRETE BACKFILL IS REQUIRED WHEN THE PIPE HAS LESS THAN ONE-FOOT OF COVER. THE CONCRETE BACKFILL SHALL CONSIST OF 1:3:5 MIX, PORTLAND CEMENT CONCRETE POURED FROM WALL TO WALL OF TRENCH AND FROM BOTTOM OF TRENCH TO A MINIMUM OF 4 INCHES OVER THE TOP OF THE PIPE.
- 19. ALL PIPES SHALL BE PLACED IN TRENCH IN NATURAL GROUND AND/OR COMPACTED FILL. THE GROUND LEVEL BEFORE THE TRENCHING SHALL BE AT LEAST 3 FEET ABOVE THE TOP OF THE PIPE ELEVATION OR AT FINISH SURFACE ELEVATION, WHICHEVER IS LESS.
- 20. ALL BACKFILL AND RELATIVE COMPACTION FILLS OUTSIDE OF STREET RIGHT OF WAY SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM SOIL TEST D 1557-91 METHOD D UNLESS OTHERWISE SPECIFIED. THIS SHALL BE CERTIFIED BY A SOILS ENGINEER. THIS CERTIFICATION SHALL BE SUBMITTED TO THE CITY ENGINEER/DIRECTOR OF PUBLIC WORKS PRIOR TO ACCEPTANCE OF THE WORK BY THE CITY.
- 21. ALL BACKFILL AND FILLS WITHIN STREET RIGHT OF WAY SHALL BE COMPACTED IN CORDANCE WITH CITY REQUIREMENTS UNLESS OTHERWISE NOTED AND INSPECTED THE CITY. THE SOIL COMPACTION SHALL BE CERTIFIED BY A GEOTECHNICAL ENGINEER. 22. PIPE BEDDING SHALL BE:
- IN ACCORDANCE WITH THE LOS ANGELES COUNTY PUBLIC WORKS STANDARD PLAN NO. 3092 UNLESS OTHERWISE NOTED.

ACCORDING TO STANDARD PLAN NO. 3080, CASE III, EXCEPT BELL AND SPIGOT PIPE, WHICH SHALL BE CASE II BEDDING UNLESS OTHERWISE SHOWN. W VALUES SHALL BE AS SPECIFIED ON STANDARD PLAN NO. 3080 FOR CASE III BEDDING, NOTES 3 (A), 3 (B), AND 3 (C). IF THE W: VALUE AT THE TIP OF THE PIPE IS EXCEEDED, THE BEDDING SHALL BE MODIFIED AND/OR PIPE OF ADDITIONAL STRENGTH SHALL BE PROVIDED. THE PROPOSED MODIFICATION SHALL BE APPROVED BY CITY ENGINEER/DIRECTOR OF PUBLIC WORKS.

- 23. PIPE SHALL BE EMBEDDED 5 INCHES INTO ALL STRUCTURES INCLUDING INLET AND HEAD WALLS UNLESS OTHERWISE SPECIFIED.
- 24. THE MINIMUM CONCRETE COVER FOR REINFORCEMENT IN PRECAST CONCRETE PIPE SHALL BE 1 INCH IN PIPE HAVING A WALL THICKNESS OF 2 1/2 INCHES OR GREATER AND 3/4 INCH IN PIPE HAVING A WALL THICKNESS OF LESS THAN 2 1/2 INCHES.
- 25. ALL CATCH BASINS WITHIN THE DEDICATED STREET RIGHT OF WAY SHALL BE CONSTRUCTED PER THE STREET PLANS
- 26. THE CONTRACTOR SHALL PROVIDE TO THE SATISFACTION OF THE CITY ENGINEER/DIRECTOR OF PUBLIC WORKS A DRAINAGE SYSTEM FOR CONTRIBUTORY FLOWS TO BE OPERABLE AT ALL TIMES UNTIL THIS STORM DRAIN SYSTEM IS ACCEPTED FOR MAINTENANCE. THE DESIGN OF THE DRAINAGE SYSTEM MUST BE PREPARED UNDER THE DIRECTION OF A CIVIL ENGINEER.
- 27. EXISTING UTILITIES SHALL BE MAINTAINED IN PLACE BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- 28. WHERE THE UTILITIES ARE INDICATED ON THE DRAWINGS TO BE SUPPORTED, SAID SUPPORTS – SHALL BE IN ACCORDANCE WITH STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION NO. 224 UNLESS OTHERWISE INDICATED.
- 29. ALL OPENINGS RESULTING FROM THE CUTTING OR PARTIAL REMOVAL OF EXISTING CULVERTS. PIPES. OR SIMILAR STRUCTURES SHALL BE SEALED WITH 8 INCHES OF BRICK AND MORTAR OR 6 INCHES OF CONCRETE UNLESS OTHERWISE SHOWN.
- 30. MANHOLES SHALL USE THE STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION NO. 630 FOR THE "FRAME AND COVER" AND NO. 635 FOR THE "STANDARD DROP STEP."
- 31. THIS WATER QUALITY SYSTEM WILL NOT BE FIELD ACCEPTED UNTIL THE STREETS HAVE BEEN PAVED. MANHOLES BROUGHT TO GRADE, AND THE SYSTEM CLEANED TO THE SATISFACTION OF THE CITY ENGINEER/DIRECTOR OF PUBLIC WORKS.
- 32. THE SOILS ENGINEER OF RECORD SHALL INSPECT AND APPROVE THE FOUNDATION EXCAVATIONS BEFORE STEEL OR CONCRETE IS PLACED.
- 33. STORM DRAIN MANHOLE COVERS CONSTRUCTED PER S.P.P.W.C. STANDARD PLANS 630, 631, 632, AND 633 SHALL BE CAST WITH THE LETTERS "L.A.C.F.C.D.". THE LETTERS SHALL BE I INCH IN HEIGHT AND PLACED BELOW THE LETTER "D"IN THE CENTER OF THE COVER.
- 34. STORM DRAIN MANHOLE COVERS CONSTRUCTED PER S.P.P.W.C. STANDARD PLAN 312 SHALL BE CAST WITH THE LETTERS "L.A.C.F.C.D.". THE LETTERS SHALL BE 1 INCH IN HEIGHT AND PLACED BELOW THE LETTER "D" IN THE CENTER OF THE COVER.



NOTE TO CONTRACTOR

WITHIN CALTRANS RIGHT-OF-WAY, ALL WORK SHALL CONFORM TO THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION.

UNAUTHORIZED CHANGES AND USES

CAUTION: THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS.

MISCELLANEOUS NOTES

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 WITH 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 NDUSTRIAL RELATIONS' "CONSTRUCTION SAFETY ORDERS".

THE LAND SURVEYORS ACT, SECTION 8771 OF THE BUSINESS & PROFESSIONAL CODE, AND SECTIONS 732.05, 1492-5, 1810-5 OF THE STREETS AND HIGHWAY CODE REQUIRE THAT SURVEY MONUMENTS SHALL BE PROTECTED AND PERPETUATED.

PRIVATE ENGINEER'S NOTICE TO CONTRACTORS

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

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 LOCAL GOVERNMENT AGENCIES, THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PER-FORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

NPDES NOTES

- 1. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES. OR WIND.
- 2. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR RAINWATER.
- 3. 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.
- 4. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE
- 5. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION FROM RAINWATER OR DISPERSAL BY WIND.
- 6. 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 RIGHT-OF-WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAINWATER OR OTHER
- 7. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT FROSION BY WIND AND RAINWATER.
- 8. THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE CALIFORNIA STORMWATER BEST MANAGEMENT PRACTICES HANDBOOK, CALIFORNIA STORM WATER QUALITY TASK FORCE SACRAMENTO, CALIFORNIA 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING CONSTRUCTION (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY INSPECTOR):
- 9. CONTRACTOR WILL NOT USE STRAW IN THE PUBLIC RIGHT-OF-WAY. CATCH BASINS WILL BE PROTECTED BY FABRIC AND GRAVEL BAGS.

EROSION CONTROL BMPS

EC-1 EC-2 EC-3 EC-4 EC-5 EC-6 EC-7 EC-8 EC-9 EC-10 EC-11 EC-12 EC-13 EC-15 EC-16	SCHEDULING PRESERVATION OF EXISTING VEGETATION HYDRAULIC MULCH HYDROSEEDING SOIL BINDERS STRAW MULCH GEOTEXTILES & MATS WOOD MULCHING EARTH DIKES AND DRAINAGE SWALES VELOCITY DISSIPATION DEVICES SLOPE DRAINS STREAMBANK STABILIZATION RESERVED COMPOST BLANKETS SOIL PREPARATION/ROUGHENING NON-VEGETATED STABILIZATION
TEMPOR	ARY SEDIMENT CONTROL BMPS
SE-1 SE-2 SE-3 SE-4 SE-5 SE-6 SE-7 SE-8 SE-9 SE-10 SE-11 SE-12 SE-13 SE-14	SILT FENCE SEDIMENT BASIN SEDIMENT TRAP CHECK DAMS FIBER ROLLS GRAVEL BAG BERM STREET SWEEPING AND VACUUMING SANDBAG BARRIER STRAW BALE BARRIER STORM DRAIN INLET PROTECTION ACTIVE TREATMENT SYSTEMS MANUFACTURED LINEAR SEDIMENT CONTROLS COMPOST SOCKS AND BERMS BIOFILTER BAGS

TEMPORARY TRACKING CONTROL BMPS STABILIZED CONSTRUCTION ENTRANCE TC = 1TC-2STABILIZED CONSTRUCTION ROADWAY

ENTRANCE/OUTLET TIRE WASH

TC-3

BENCHMARK				
0:	ELEVATION:			
		Δ	DATE	
				RI



BENCHMARK NO: _

LOCATION:

CITY OF SAN DIMAS **STORM DRAIN IMPROVEMENT PLANS <STREET NAME>** TRACT NO. XXXXX

<u>Non-Stormwa</u>ter Management BMPS WATER CONSERVATION PRACTICES NS-1

- DEWATERING OPERATIONS NS-2 PAVING AND GRINDING OPERATIONS NS-3
- TEMPORARY STREAM CROSSING NS-4NS-5CLEAR WATER DIVERSION
- NS-6ILLICIT CONNECTION/DISCHARGE POTABLE WATER /IRRIGATION NS-7
- VEHICLE AND EQUIPMENT CLEANING NS-8
- NS-9VEHICLE AND EQUIPMENT FUELING VEHICLE AND EQUIPMENT MAINTENANCE NS-10
- PILE DRIVING OPERATIONS NS-11 NS-12 CONCRETE CURING
- NS-1. CONCRETE FINISHING
- NS-14 MATERIAL AND EQUIPMENT USE DEMOLITION ADJACENT TO WATER NS-15
- TEMPORARY BATCH PLANTS NS-16

WASTE MANAGEMENT & MATERIALS POLLUTION CONTROL BMPS

- WM 1MATERIAL DELIVERY AND STORAGE WM = 2MATERIAL USE STOCKPILE MANAGEMENT WM-J SPILL PREVENTION AND CONTROL WM - 4WM = 5SOLID WASTE MANAGEMENT $WM - \epsilon$ HAZARDOUS WASTE MANAGEMENT
- $WM \overline{J}$ CONTAMINATED SOIL MANAGEMENT WM - 8CONCRETE WASTE MANAGEMENT SANITARY/SEPTIC WASTE MANAGEMENT WM - 9
- WM-10 LIQUID WASTE MANAGEMENT

UTILITY INFORMATION:

<u>OWNER</u> CITY OF SAN DIMAS 245 E. BONITA AVE. SAN DIMAS. CA 91773

TELEPHONE

TEL: (909) 394–6200

FRONTIER 2770 INDUSTRY AVE. LAKEWOOD, CA 90712 TEL: (714) 837–7853 CONTACT:

<u>GAS</u>

THE GAS COMPANY 1981 LUGONIA AVE. REDLANDS CA, 92374 TEL: (909) 335–7955 CONTACT:

WATER GOLDEN STATE WATER

401 S. SAN DIMAS CANYON ROAD SAN DIMAS. CA. 91773 TEL: (909) 592-4271 CONTACT: **CABLE TELEVISION**

CROWN CASTLE 2000 CORPORATE DR. CANONSBURG, PA 15317 TEL: (724) 416–2193 CONTACT

ELECTRICITY

SOUTHERN CALIFORNIA EDISON CO. 800 W. CIENEGA AVENUE SAN DIMAS, CA 91773 TEL: (909) 215–3248 CONTACT:



= PROPERTY LINE

= CENTERLINE

 $L.\overline{F}$. = LINEAR FOOT

SEW. = SEWER

CATCH BASIN STENCIL DETAIL

ALL CATCH BASINS AND INLETS THAT DISCHARGE INTO AN EXISTING OR PROPOSED STORM DRAIN MUST BE STENCILED TO DISCOURAGE ILLEGAL DUMPING OF POLLUTANTS. THIS STENCIL SHALL HAVE A MINIMUM DIAMETER OF 30 INCHES.



			СІТҮ	OF SAN DIMAS		PREPARED BY:
			APPROVED BY:			<company name=""></company>
				DIRECTOR OF PUBLIC WORKS	<stamp></stamp>	
DESCRIPTION	APP'D	DATE	APPROVED BY:	DAVID G. GILBERTSON DATE		
REVISIONS				DEPUTY CITY ENGINEER RCE 46624		NAME RCE XXXXX



LOCATION MAP IOT TO SCALE

SHEET INDEX					
SHEET NO.	DESCRIPTION				
1	TITLE SHEET				
2	INDEX MAP AND DETAIL PLAN				
3	STORM DRAIN PLAN (STA TO STA)				

HYDRAULIC ELEMENTS 50 YR. AND 25 YR. FREQUENC'

LINE	PIPE	PIPE REACH		SECTION		DEMADKS
	FROM STA.	TO STA.	Q(CFS)	SECTION	VELOCITY	REMARKS

CONSTRUCTION NOTES & QUANTITY ESTIMATE THE QUANTITIES SHOWN HEREON ARE ESTIMATES ONLY. THE CONTRACTORS SHALL PREPARE THEIR OWN QUANTITIES AND BID A COMPLETE JOB. SITE IMPROVEMENTS QUANTITY (1) PROTECT IN PLACE. _ _ 2) GENERAL GRADING.– _ _ 3) REMOVE EXISTING CMP RISER AND INLET. ———— 1 L.S. 4) REMOVE EXISTING HDPE PIPE AND RISER. ——— 1 L.S. 5) SAWCUT AND REMOVE EXISTING PCC X-GUTTER. 97 S.F. 6) REMOVE AND REPLACE CHAIN LINK FENCE/GATE IN KIND. ——— 25 L.F. 7) REMOVE EXISTING TREE IF NEEDED. 1 EA. (10) CONSTRUCT 30" X 30" CATCH BASIN PER FORTERRA, KRISTAR FGP-30F FILTER 7 EA. AND DETAIL ON SHEET 2.-11) CONSTRUCT MODIFIED 3' WIDE LONGITUDINAL GUTTER PER SPPWC STD. PLAN 122-2 AND DETAIL ON SHEET 2. ----640 L.F. (12) CONSTRUCT EQUESTRIAN TRAIL IMPROVEMENTS (POLYMER COATED) PER CITY OF 9,731 S.F. WALNUT STD. PLAN NO. WS-402. RE-GRADE TRAIL TO DRAIN. ------(20) INSTALL 18" HDPE DRAIN PIPE. -----1,290 L.F. 85 L.F. 21) INSTALL 12" HDPE DRAIN PIPE. —— 22) INSTALL 18" HDPE 22.5" BEND. ——— 5 EA. 1 EA. 23) INSTALL 18"x18"x12" HDPE 60* WYE. —— 1 EA. 24) INSTALL 18"x18"x12" HDPE TEE. —— 3 EA. 25) INSTALL CUSTOM ANGLED BEND. —— 2 EA. (26) INSTALL 12" HDPE 45° BEND. — 95 L.F. 27) INSTALL 18" HDPE DOUBLE WALL DRAIN PIPE. ————————————————————— 1 EA. (28) INSTALL PCC COLLAR PER SPPWC STD. PLAN 380–4. ———— CITY OF SAN DIMAS SHEET STREET NAME **PROJECT NAME** OF

TITLE SHEET

XΛ

SHEETS

RCE XXXXX DATE