

**DRAWINGS AND INSPECTIONS:**

- ALL CONSTRUCTION DRAWINGS MUST BE SUBMITTED TO THE DIRECTOR OF PARKS AND COMMUNITY SERVICES OR HIS/HER DESIGNEE AND APPROVED BEFORE CONSTRUCTION BEGINS.
- ALL CHANGES SHALL BE "REDLINED" AND APPROVED BY THE DIRECTOR OF PARKS AND COMMUNITY SERVICES OR HIS/HER DESIGNEE AND THE ARCHITECT BEFORE THEY ARE MADE.
- MATERIAL SUBMITTALS SHALL BE SUBMITTED AND APPROVED BY THE DIRECTOR OF PARKS AND COMMUNITY SERVICES OR HIS/HER DESIGNEE PRIOR TO COMMENCEMENT OF THE PROJECT.
- THE DEVELOPER / CONTRACTOR SHALL SUBMIT TO THE DIRECTOR OF PARKS AND COMMUNITY SERVICES OR HIS/HER DESIGNEE SIX (6) FULL SETS OF "AS-BUILT" DRAWINGS AND ONE (1) MYLAR WITH HANGING TABS BEFORE THE PROJECT IS RELEASED. THE DESIGNING ARCHITECT SHALL COMPLETE THE DRAWINGS.
- INSPECTION NOTICES FOR ALL PARK AND COMMUNITY SERVICES DEPARTMENT RELATED CONSTRUCTION SHALL BE A MINIMUM OF 48 HOURS IN ADVANCE. INSPECTIONS SHALL BE COORDINATED UPON GRADING, FENCE INSTALLATION, CONCRETE INSTALLATION, DECOMPOSED GRANITE INSTALLATION, AND FINAL ACCEPTANCE. PHONE 951.413.3701.
- THE CONTRACTOR MAY OFFER ANY MATERIAL CONSIDERED TO BE EQUIVALENT TO THAT INDICATED. THE SUBSTANTIATION OF OFFERS SHALL BE SUBMITTED IN WRITING AND APPROVED IN WRITING BY THE PARKS AND COMMUNITY SERVICES DEPARTMENT.

**TRAIL SURFACE:**

- ALL PLAN DETAILS ARE REQUIRED TO SHOW CROSS SECTIONS OF THE TRAIL. THE TRAIL CROSS SECTIONS MUST REFLECT AND INDICATE THE VARIOUS GRADE CHANGES ALONG THE LENGTH OF THE TRAIL. TRAILS SHALL NOT EXCEED A 10% GRADE IN THE DIRECTION OF TRAVEL AND HAVE A MAXIMUM 2% CROSS SLOPE. THE DIRECTOR OF PARKS AND COMMUNITY SERVICES OR HIS/HER DESIGNEE SHALL APPROVE ANY GRADE CHANGES IN WRITING BEFORE PLANS ARE APPROVED AND CONSTRUCTION COMMENCES. ALL LANDINGS SHALL BE GRADUALLY INCORPORATED INTO THE GRADE, IN ORDER TO ALLOW LARGE VEHICLES EASY TRANSITION. ALL DETAILS AND GRADES FOR THE TRAIL SHALL BE REVIEWED AND APPROVED BY THE DIRECTOR OF PARKS AND COMMUNITY SERVICES OR HIS/HER DESIGNEE PRIOR TO ANY TRAIL CONSTRUCTION.
- WHERE TRAILS ARE ADJACENT AND LEVEL TO LANDSCAPE AREAS OR OPEN SPACE, THE STABILIZED DECOMPOSED GRANITE SHALL BE CONFINED IN TRAIL BY THE USE OF A 6"x6" (MINIMUM) CONCRETE HEADER WITH #4 REBAR REINFORCEMENT. THE CONCRETE SPECIFICATION SHALL BE "GREENBOOK" CLASS 560-C-3250 OR 660-C-4000P (PUMP MIX), WITH NO SUBSTITUTIONS FOR PORTLAND CEMENT. THE COLOR SHALL BE DAVIS OMAHA TAN. ADDITIONALLY, THIS SPECIFICATION PERTAINS TO VINE POCKETS.

**STABILIZED DECOMPOSED GRANITE AND INSTALLATION PROCEDURES:**

1. GREENBOOK STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: STANDARDS 400-2.2 AND 200-2.7
2. GRADATION: AS DETERMINED BY ASTM C 136 METHODOLOGY (CALTRANS 202)
 

SIEVE SIZE	PERCENT PASSING
1/2"	100
3/8"	90-100
No 4	50-100
No 30	25-55
No 100	10-20
No 200	5-18
3. SAND EQUIVALENT : AS DETERMINED BY ASTM D 2419 METHODOLOGY (CALTRANS 217): MINIMUM OF 30.
4. R-VALUE: AS DETERMINED BY ASTM D 2488 METHODOLOGY (CALTRANS 301): MINIMUM OF 70.
5. DECOMPOSED GRANITE AS SPECIFIED IN THE CITY STANDARD PLANS SHALL BE DERIVED FROM THE CRUSHING AND SCREENING OF NATURALLY FRIABLE GRANITE. THE BLENDING OF COURSE SAND WITH ROCK DUST IS NOT PERMITTED. THE GRANITE IS SCREENED TO INCLUDE STONE PARTICLES OF 1/2" MINUS. THE PARTICLES THAT PASS THE 200 SCREEN MESH AS DETERMINED BY ASTM METHODOLOGY SHALL NOT EXCEED 18 PERCENT. THE SAND EQUIVALENT SHALL BE A MINIMUM OF 30 AND THE R-VALUE SHALL BE A MINIMUM OF 70.
6. STABILIZING BINDER SHALL BE APPROVED BY THE CITY. THE BINDER SHALL BE INCORPORATED WITH THE GRANITE FINES BY THE USE OF A PUG MILL THAT INCLUDES A WEIGHT BELT FEEDER THAT INSURES THE PROPER RATIO OF BINDER TO GRANITE FINES. BLENDING WITH THE USE OF A BUCKET LOADER OR SIMILAR IS NOT ACCEPTABLE. FOR TRAILS AND STAGING AREAS THE BINDER SHALL BE BLENDED AT THE RATE SPECIFIED FOR TYPE OF USE. THE MIXING FACILITY AND MIXING METHOD SHALL BE AVAILABLE TO THE CITY FOR INSPECTION UPON REQUEST. STABILIZING BINDER SHALL BE NEXPAVE ORGANIC LOCK, NEXPAVE WAX, OR APPROVED EQUAL.
7. STABILIZED DECOMPOSED GRANITE SHALL BE PLACED TO A MINIMUM DEPTH OF 4"-6" COMPACTED, PER PLAN.
8. INSTALLATION: FOR EACH 2" LIFT EVENLY SPREAD THE MATERIAL OVER AREA ACCORDING TO PLANS. GRADE AND SMOOTH AS DIRECTED BY THE INSPECTOR. THOROUGHLY WATER ENTIRE AREA SO THAT THE ENTIRE DEPTH OF THE MATERIAL IS MOIST. A HIGH VOLUME WATER TRUCK IS RECOMMENDED. AFTER A PERIOD OF +/- 6 HOURS COMPACT THE FINAL LIFT WITH A 1000 - 3000 lb STATIC DRUM ROLLER. ALLOW FOR A SUFFICIENT CURING PERIOD OF +/- 4 DAYS PRIOR TO USE.
9. THIRD-PARTY TESTING OF MATERIALS AND/OR INSTALLATION MAYBE REQUESTED BY THE CITY. THE TESTING SHALL BE PERFORMED WITH NO COST TO THE CITY.
10. FIRE LANE TRAILS SHALL HAVE 6" STABILIZED DG OVER 6" CLASS II BASE, COMPACTED 95%.

NOT TO SCALE

	RECOMMENDED:  DIVISION MANAGER      DATE	<h2>CITY OF MORENO VALLEY</h2> <p>PARKS AND COMMUNITY SERVICES DEPARTMENT</p>	STANDARD PLAN <h3>MVGF-610N-1</h3>
	APPROVED:  PUBLIC WORKS DIRECTOR / DATE CITY ENGINEER	<h3>MULTI-USE TRAIL SPECIFICATIONS</h3>	SHEET 14 OF 14