

**REQUIREMENTS FOR TRENCHES OR OTHER EXCAVATIONS WITHIN PUBLIC RIGHT-OF-WAY OR EASEMENTS**

ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," LATEST EDITION, UNLESS OTHERWISE SPECIFIED, INCLUDING AMENDMENTS AND SUPPLEMENTS THERETO, EXCEPTING AS HEREBY SUPPLEMENTED AND AMENDED.

**A. STANDARD REQUIREMENTS**

1. **BEDDING:** BEDDING SHALL BE DEFINED AS THAT MATERIAL SUPPORTING, SURROUNDING, AND EXTENDING TO ONE (1) FOOT ABOVE THE FACILITY. EXCEPT WHERE CONCRETE ENCASUREMENT IS USED, MATERIALS USED FOR BEDDING SHALL BE SAND, GRAVEL, CRUSHED AGGREGATE, NATIVE FREE-DRAINING, AND GRANULAR MATERIAL HAVING A SAND EQUIVALENT (SE) OF NOT LESS THAN THIRTY (30) SE.
2. **BACKFILL:** BACKFILL SHALL BE DEFINED AS THAT MATERIAL ON AND ABOVE THE BEDDING AND EXTENDING TO THE SUBGRADE FOR REPLACEMENT OF PUBLIC IMPROVEMENTS OR TO FINISH GRADE WHERE NO PUBLIC IMPROVEMENTS EXIST. MATERIALS USED FOR BACKFILL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THIS CITY STANDARD PLAN.

**B. REPLACEMENT REQUIREMENTS**


1. **BASE:** BASE MATERIAL REPLACEMENT SHALL BE NO LESS IN THICKNESS THAN EXISTING AND IN NO CASE BE LESS THAN FOUR (4) INCHES IN THICKNESS AND SHALL BE CLASS 2 AGGREGATE BASE PER SECTION 25 OF CALTRANS STANDARD SPECIFICATIONS, LATEST EDITION. CERTIFICATION SHALL BE REQUIRED CERTIFYING THAT THE MATERIAL MEETS THE SPECIFICATIONS.
2. **PAVEMENT:** PERMANENT PAVEMENT REPLACEMENT SHALL BE NO LESS IN THICKNESS THAN THE EXISTING PLUS ONE (1) INCH, AND IN NO CASE BE LESS THAN FOUR (4) INCHES IN THICKNESS FOR BITUMINOUS ROADWAYS AND SHALL BE INSTALLED TO SAWCUT LIMITS PER CITY STANDARDS AS FOLLOWS:
  - a) PERMANENT ASPHALT PAVEMENT REPLACEMENT SHALL BE BASE COURSE TYPE III, B2 PG 64-10, SURFACE COURSE PG 64-16 ASPHALT RUBBER HOT MIX (ARHM-GG-C), OR AS APPROVED BY THE CITY ENGINEER.
  - b) WHEN TEMPORARY PAVEMENT RESURFACING IS PLACED, IT SHALL BE REMOVED AND PERMANENT PAVEMENT REPLACEMENT PLACED WITHIN A PERIOD NOT-TO-EXCEED FIFTEEN (15) WORKING DAYS FOLLOWING THE PLACEMENT OF THE TEMPORARY PAVEMENT. TEMPORARY PAVING WILL BE MAINTAINED BY THE CONTRACTOR TO PROVIDE A SAFE AND SMOOTH RIDE.
  - c) TRENCHES WITHIN TWENTY-FIVE (25) FEET OF EACH OTHER SHALL REQUIRE A ONE AND ONE-HALF (1-1/2) INCHES GRIND, AND ARHM OVERLAY FOR THE ENTIRE AREA BETWEEN TRENCHES.
3. **STRIPING:** ANY DISTURBED/DAMAGED STRIPING DUE TO TRENCHING WORK SHALL BE RESTORED AND REFRESHED TO THE CITY ENGINEER'S SATISFACTION.
4. **TESTING:** ALL TESTING SHALL BE PROVIDED BY THE CONTRACTOR. COMPACTION REPORTS SHALL BE SUBMITTED TO THE CITY ENGINEER.
5. **PROHIBITION OF PAVEMENT CUTTING:** ASPHALT CONCRETE PAVEMENT LESS THAN THREE (3) YEARS OLD SHALL NOT BE CUT EXCEPT FOR EMERGENCY REPAIRS, OR AS SPECIFICALLY APPROVED VIA WAIVER. THE FOLLOWING REPAVING REQUIREMENTS WILL BE IMPOSED:

- a) MAINTENANCE WORK THAT OCCURS ON STREETS THAT ARE FOUR (4) LANES OR GREATER [ARTERIAL STREETS]:
  1. REQUIRES A GRIND AND OVERLAY OF THE EXISTING PAVEMENT OUTSIDE OF THE T-CUT FROM LANE LINE TO LANE LINE OR FROM LANE LINE TO EDGE OF PAVEMENT/GUTTER PAN.
  2. THE LONGITUDINAL PAVEMENT RESTORATION WILL REQUIRE A 25-FOOT GRIND AND OVERLAY AS MEASURED FROM BOTH EDGES OF THE TRENCH. ANY SCARRING TO THE PAVEMENT OUTSIDE OF THE 25-FOOT LIMIT CAUSED BY THE PROJECT, ADDITIONAL GRIND AND OVERLAY WILL BE REQUIRED TO REPAIR THE SCARRING IN A CONTIGUOUS MANNER. GRIND AND OVERLAY WILL BE A MAXIMUM DEPTH OF ONE AND ONE-HALF (1-1/2) INCHES, AND MATCH EXISTING AC MATERIAL.
- b) MAINTENANCE WORK THAT OCCURS ON STREETS THAT ARE LESS THAN FOUR (4) LANES [RESIDENTIAL STREETS]:
  1. REQUIRES A GRIND AND OVERLAY OF THE EXISTING PAVEMENT OUTSIDE OF THE T-CUT FROM LANE LINE TO LANE LINE OR FROM LANE LINE TO EDGE OF PAVEMENT/GUTTER PAN.
  2. REQUIRES A GRIND AND OVERLAY OF THE EXISTING PAVEMENT OUTSIDE OF THE T-CUT FROM CENTERLINE TO EDGE OF GUTTER.
  3. THE LONGITUDINAL PAVEMENT RESTORATION WILL REQUIRE A 10-FOOT GRIND AND OVERLAY AS MEASURED FROM BOTH EDGES OF THE TRENCH. ANY SCARRING TO THE PAVEMENT OUTSIDE OF THE 10-FOOT LIMIT CALLED BY THE CONSTRUCTION, ADDITIONAL GRIND AND OVERLAY WILL BE REQUIRED TO REPAIR THE SCARRING IN A CONTIGUOUS MANNER. GRIND AND OVERLAY WILL BE A MAXIMUM DEPTH OF ONE AND ONE-HALF (1-1/2) INCHES, AND MATCH EXISTING AC MATERIAL.

6. **TIME FOR RESTORATION:** THE FINAL ASPHALT REPAIRS SHALL BE COMPLETED WITHIN FIFTEEN (15) DAYS FROM THE ORIGINAL DATE OF THE COMPLETED WORK UNLESS OTHERWISE PROVIDED EXPLICIT EXTENSION FROM THE CITY ENGINEER OR HIS/HER DESIGNEE. FOR LARGE PROJECTS, THE RESTORATION WORK SHALL BE COMPLETED PER 2,500 LINEAR FEET AND MUST BE DONE WITHIN THIRTY (30) DAYS FROM THE ORIGINAL DATE OF THE COMPLETED WORK FOR THAT SECTION OF THE PROJECT.

7. **AREA FOR RESTORATION:** PROJECT SHALL RESTORE ALL BACKFILL AND THE PAVEMENT SECTION IN AND AROUND ANY WORK AREA, INCLUDING AREAS USED BY THE CONTRACTOR FOR STAGING. IF WORK IS AT A CUL-DE-SAC, THE ENTIRE BULB WILL NEED TO BE RESTORED. IF WORK IS AT AN INTERSECTION, THE ENTIRE INTERSECTION WILL NEED TO BE RESTORED.

NOT TO SCALE

	RECOMMENDED: <i>[Signature]</i> 1/24/23 PRINCIPAL ENGINEER      DATE	<h2 style="margin: 0;">CITY OF MORENO VALLEY</h2> <p style="margin: 0;">PUBLIC WORKS DEPARTMENT - CAPITAL PROJECTS DIVISION</p>	
	APPROVED: <i>[Signature]</i> 1/30/23 PUBLIC WORKS DIRECTOR / DATE CITY ENGINEER	<h3 style="margin: 0;">TRENCH BACKFILL AND ROADWAY REPAIR NOTES</h3>	STANDARD PLAN <h3 style="margin: 0;">MVSI-132C-3</h3> <p style="margin: 0;">SHEET 3 OF 7</p>