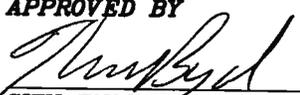


NOTES:

1. NO TRENCHING, CUTTING, POTHOLES, GRINDING OR CORING WILL BE ALLOWED, EXCEPT FOR EMERGENCIES OR TO PROVIDE SERVICE CONNECTIONS, IF THE STREET HAS BEEN PAVED OR RESURFACED WITHIN THE PREVIOUS THREE YEARS.
2. WHEN TRENCHING OR CUTTING INTO ANY STREET, FULL LANE WIDTH (10 FEET WIDE MINIMUM) ASPHALT CONCRETE (AC) PAVEMENT REPLACEMENT, AC COLD MILLING (0.10 FEET THICK) AND AC OVERLAY, SHALL BE REQUIRED, REPLACEMENT OF MULTIPLE LANES SHALL BE REQUIRED WHEN WORK AFFECTS MORE THAN ONE LANE. ALTERNATELY, AT THE DISCRETION OF THE CITY ENGINEER, COLD MILL OR GRIND EXISTING ASPHALT CONCRETE PAVEMENT TO A DEPTH OF 0.10 FEET WITHIN THE TRENCH AREAS AND TO AT LEAST 1 FOOT BEYOND THE EDGES OF THE TRENCH, AND SLURRY SEAL THE ENTIRE STREET WIDTH, GUTTER LIP TO GUTTER LIP OR EDGE OF PAVEMENT AS APPLICABLE.
3. WHERE MULTIPLE EXCAVATIONS, TRENCHES, POT HOLES OR EXPLORATORY HOLES OCCUR WITHIN THE SAME BLOCK, COLD MILLING WILL BE REQUIRED TO CONNECT THESE AREAS FOR A UNIFORM AND CONTINUOUS CAP THE ENTIRE LENGTH OF THE BLOCK.
4. IF THE TRENCH EDGE IS 4 FEET OR LESS FROM THE GUTTER LIP, CURB FACE OR EXISTING TRENCH EDGE OF PAVEMENT THE EXISTING AC PAVEMENT BETWEEN THE TRENCH AND THE GUTTER LIP, CURB FACE OR EXISTING EDGE OF PAVEMENT SHALL BE REMOVED AND REPLACED AS PART OF THE TRENCH BACKFILL, OR AS DIRECTED BY THE ENGINEER.
5. FOR A TRENCH PERPENDICULAR TO THE STREET, COLD MILLING OR GRINDING OF AC PAVEMENT SHALL BE A MINIMUM FULL LANE WIDTH UP TO THE FULL STREET WIDTH. THE LONGITUDINAL LENGTH SHALL BE MINIMUM 40 FEET OR AS DIRECTED BY THE ENGINEER.
6. REPLACEMENT AC PAVEMENT SHALL BE 1 INCH GREATER THAN EXISTING AC PAVEMENT THICKNESS OR 5 INCHES THICK WHICHEVER IS GREATER.
7. ADDITIONAL REPLACEMENT OF AC STRUCTURAL SECTION WILL BE REQUIRED WHERE EXISTING AC THICKNESS IS LESS THAN 3 INCHES, A MINIMUM OF 1 FOOT OUTSIDE OF THE TRENCH, AS COVERED IN NOTE 6 ABOVE.

APPROVED BY

 CITY ENGINEER
 DATE 5/18/11

MARK	REVISIONS	APPR.	DATE

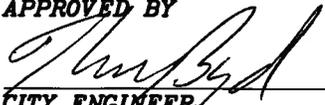
CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT

TRENCH BACKFILL

STANDARD DRAWING NO. 453

NOTES:

8. ALL CAP AC PAVEMENT SHALL BE ARHM-GG-C OR ARHM-GG-B AND IS SUBJECT TO THE ENGINEERS APPROVAL. AC USED FOR PERMANENT RESURFACING SHALL BE B-PG 64-10 FOR THE BASE COURSE AND C2-PG 64-10 FOR THE CAP WHERE RUBBERIZED ASPHALT IS NOT REQUIRED. ALL AC MIXES ARE SUBJECT TO APPROVAL BY THE ENGINEER
9. ALL AC PAVEMENT REPLACEMENT SHALL HAVE SQUARE AND UNIFORM EDGE(S) THROUGHOUT AS DIRECTED BY THE ENGINEER.
10. BACKFILL REQUIREMENTS SHALL BE AS SPECIFIED IN SECTION 306 OF THE MOST CURRENT EDITION OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS STANDARDS". CONTRACTOR SHALL PROVIDE TO THE ENGINEER COMPACTION TEST RESULTS CERTIFIED BY AN APPROVED CIVIL OR SOILS ENGINEER FOR ALL WORK DONE INCLUDING AC PAVEMENT. WHERE NO SURFACE IMPROVEMENTS EXIST, THE TOP OF BACKFILL SHALL BE FLUSH WITH THE EXISTING SURFACE AND 90% RELATIVE COMPACTION SHALL EXTEND TO THE SURFACE. CONTROLLED LOW STRENGTH MATERIAL (CLSM) MAY BE ALLOWED FOR SUB-GRADE BACKFILL IF APPROVED BY THE ENGINEER. ALL COSTS FOR TESTING SHALL BE BORNE BY THE CONTRACTOR.
11. TRENCHES SHALL BE PAVED WITH TEMPORARY AC PAVEMENT IMMEDIATELY FOLLOWING WORK. ALL TEMPORARY ASPHALT SHALL BE A MINIMUM 3 INCHES THICK AND SHALL BE PROPERLY COMPACTED FLUSH WITH EXISTING PAVING USING A VIBRATORY ROLLER OR VIBRATORY PLATE. ALL TEMPORARY ASPHALT MUST BE KEPT UP DAILY AT THE CONTRACTOR'S EXPENSE. PERMANENT PAVING IS REQUIRED WITHIN 2 WEEKS OF EXCAVATION.
12. ALL MARKINGS MUST BE COMPLETELY REMOVED WITHOUT DAMAGING ANY SURFACES THAT HAVE BEEN MARKED.
13. ALL REQUIREMENTS IN THIS DRAWING APPLY TO TRENCHES AND EXCAVATIONS IN PUBLIC EASEMENTS, RIGHTS OF ENTRY, CITY PROPERTY AS WELL AS THOSE WITHIN STREET RIGHTS OF WAY.
14. PATCHES FOR SPOT REPAIRS, POTHOLES ETC., SHALL BE A MINIMUM OF 50 SF OR AS DIRECTED BY THE ENGINEER.
15. ALL OTHER TRENCH OR PATCH REPAIR METHODS MUST BE APPROVED BY THE CITY ENGINEER.
16. NO WORK WILL BE ALLOWED IN THE DOWNTOWN RIVERSIDE AREA BETWEEN THE DATES NOVEMBER 1 AND JANUARY 3. THE DOWNTOWN AREA WILL BE BOUNDED BY FIRST ST AND FIFTEENTH ST GOING NORTH AND SOUTH AND THE 91 FREEWAY AND BROCKTON AVE GOING EAST TO WEST. NO WORK WILL BE ALLOWED WITHIN 1000 FEET OF THE THE GALLERIA AT TYLER OR THE RIVERSIDE PLAZA DURING THE SAME TIME. ANY EXCEPTIONS MUST BE APPROVED BY THE CITY ENGINEER.

APPROVED BY

 CITY ENGINEER

5/18/11
 DATE

CITY OF RIVERSIDE
 PUBLIC WORKS DEPARTMENT

TRENCH BACKFILL

STANDARD DRAWING NO. 453

MARK	REVISIONS	APPR.	DATE