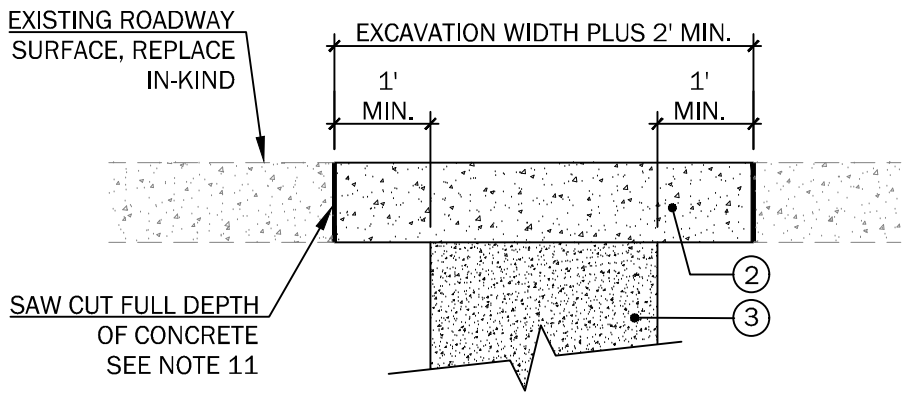


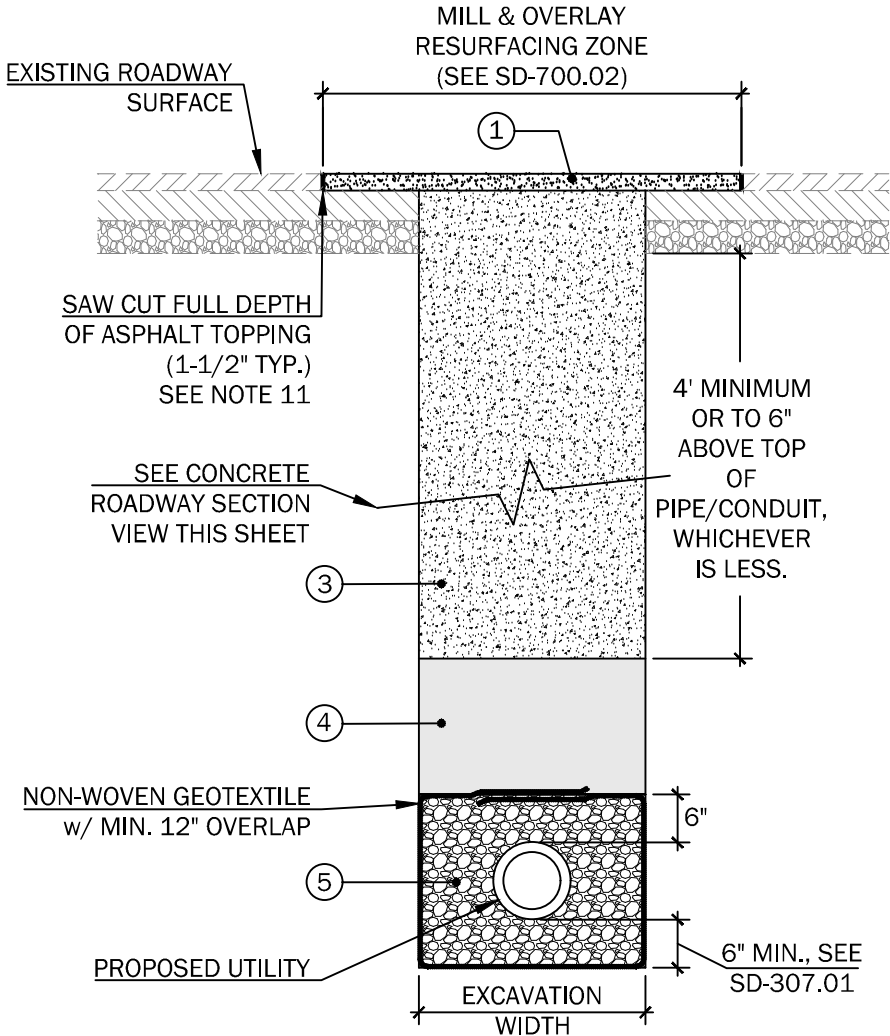
* "33-P (PUG)" - 303.01, TYPE A, GRADING D ("33-P"), TENNESSEE D.O.T. SPECIFICATIONS.

NOTE
ALL EXCAVATED, GRASS-COVERED SHOULDERS MUST BE LEVELED, AND THEN HAVE TOP SOIL AND SEED ADDED. ALL AREAS ON SHOULDERS USED FOR PARKING MUST BE BACKFILLED TO THE TOP WITH CRUSHED STONE (33-P). *

SHOULDER REPAIR



SECTION 'A'
CONCRETE ROADWAY



SECTION 'B'
ASPHALT ROADWAY

DRAWING NOTES

- ① 1-1/2" GRADE 'E' ASPHALTIC CONCRETE TOPPING, APPLY TACK COAT PRIOR TO PLACEMENT.
 - ② FOR CONCRETE ROADWAY: 8" MIN.(MATCH EXISTING) CLASS 'A' CONCRETE (4,000 P.S.I. MIN.), COURSE BROOM FINISH. CONCRETE SHALL BE COLORED, STAMPED AND TEXTURED TO MATCH ADJACENT SURFACE.
 - ③ ** FLOWABLE FILL (COMPRESSIVE STRENGTH 200-250 P.S.I. IN 48 HOURS), 4 FOOT MINIMUM OR TO WITHIN 6 INCHES ABOVE TOP OF PIPE.
- CONCRETE ROADWAYS: FILL TO THE BOTTOM OF THE EXISTING CONCRETE ROADBED
- ASPHALT ROADWAYS: FILL TO WITHIN 1-1/2" OF FINISHED GRADE.
 - ④ ** FINE AGGREGATE BASE : CRUSHED LIMESTONE DUST, NO LARGER THAN 1/16".
 - ⑤ BEDDING MATERIAL - SEE SD-307.01.
- ** CEMENT TREATED BASE MAY BE SUBSTITUTED FOR FLOWABLE FILL AND FINE AGGREGATE BASE

GENERAL REQUIREMENTS

1. ALL STREET CUTS MUST BE BACKFILLED WITH FLOWABLE FILL WITH A COMPRESSIVE STRENGTH OF 200-250 PSI IN 48 HOURS.
2. FLOWABLE FILL SHALL BE IN PLACE FOR A MINIMUM OF 48 HOURS PRIOR TO PLACING ASPHALT OR CONCRETE TOPPING.
3. WHERE IT IS IMPRACTICAL TO USE FLOWABLE FILL DUE TO TERRAIN, SLOPE, WIDTH OF TRENCH, OR OTHER SITUATIONS, THE MATERIAL FOR THE BACKFILL IN THE ROADWAY AREAS MAY BE CEMENT TREATED (5% BY UNIT WEIGHT) AGGREGATE BASE AT THE SOLE DISCRETION OF THE CITY TRANSPORTATION ENGINEER/STREETCUT INSPECTOR. BACKFILL SHALL BE PLACED IN 8" LIFTS AND SHALL BE THOROUGHLY COMPACTED BY MEANS OF A MECHANICAL TAMP.
4. WHERE LONGITUDINAL CUTS ARE MADE, THE CITY/COUNTY RESERVES THE RIGHT TO REQUIRE ADDITIONAL RESURFACING BEYOND THE LIMITS OF THE REPAIR TO ENSURE THE PROPER RIDING CHARACTERISTICS AND THE STABILITY OF THE PAVEMENT.
5. BACKFILL OF TRENCHES WITHIN THE SIDEWALK AREAS SHALL BE COMPACTED GRADED AGGREGATE BASE (NOT LOOSE WASHED STONE). BACKFILL SHALL BE PLACED IN 8" LIFTS AND SHALL BE THOROUGHLY COMPACTED BY MEANS OF A MECHANICAL TAMP.
6. IF A PERPENDICULAR CUT TRENCH REACHES THE CENTERLINE OF THE ROADWAY, THE ASPHALT MUST BE REPLACED FROM CURB TO CURB AND BE A MINIMUM OF TEN (10) FEET ON EACH SIDE OF THE CENTERLINE OF EXCAVATION. (SEE PLAN VIEW DETAIL, THIS SHEET)
7. ALL REFERENCES TO MATERIALS ARE DESCRIBED IN DETAIL IN THE CITY OF CHATTANOOGA'S STANDARD SPECIFICATIONS. THESE SPECIFICATIONS MUST BE USED AS A REFERENCE WHEN ORDERING MATERIALS.
8. ANY SUBSTITUTIONS TO THE MATERIALS REFERENCED HEREON MUST BE APPROVED BY THE CITY TRANSPORTATION ENGINEER OR STREETCUT INSPECTOR PRIOR TO INSTALLATION.
9. EXISTING CONCRETE STREETS THAT HAVE BEEN OVERLAID WITH ASPHALT SHALL BE REPAIRED WITH CONCRETE HAVING A DEPTH EQUAL TO THE EXISTING CONCRETE PLUS THE ADJACENT EXISTING ASPHALT OVERLAY.
10. WHERE EXISTING CONSTRUCTION AND EXPANSION JOINTS ARE ENCOUNTERED IN CONCRETE PAVEMENT CUTS, THE ENGINEER/INSPECTOR SHALL DESIGNATE LOCATION, SIZE, AND MATERIALS TO CONSTRUCT JOINTS IN THE NEW CONCRETE SURFACE.
11. ALL STREET CUTS SHALL BE SAWCUT THE FULL DEPTH OF CONCRETE OR DEPTH OF ASPHALT TOPPING (1-1/2" TYP.) PRIOR TO ANY OTHER DEMOLITION METHODS BEING USED.
12. ALL EXCESS WATER, MUD & UNSUITABLE MATERIAL MUST BE REMOVED FROM THE TRENCH PRIOR TO BACKFILLING.
13. ALL APPLICABLE ITEMS SHALL BE PER STATE & FEDERAL REGULATIONS.
14. THE CONTRACTOR THAT CUTS THE STREET SHALL BE RESPONSIBLE FOR REPLACING ANY SIGNAL LOOPS, PAVEMENT MARKINGS, SPEED HUMPS, OR OTHER DEVICES THAT ARE DAMAGED.
15. TWO WORKING DAYS PRIOR TO WORK WITHIN 100 LF OF A SIGNALIZED INTERSECTION, CALL TRAFFIC ENGINEERING AT (643-5950).
16. ANY ROADWAY THAT IS NOT GRAVEL, ASPHALT OR CONCRETE SHALL BE COORDINATED WITH WATER QUALITY AND CHATTANOOGA DEPARTMENT OF TRANSPORTATION.
17. ALL EXCESS WATER, MUD AND UNSUITABLE MATERIAL MUST BE REMOVED FROM THE TRENCH PRIOR TO BACKFILLING. ANY BACKFILL PLACED DURING A RAINY PERIOD OR AT OTHER TIMES WHERE EXCESS WATER CANNOT BE PREVENTED FROM ENTERING THE TRENCH SHALL BE CONSIDERED TEMPORARY AND MUST BE REMOVED AS SOON AS WEATHER PERMITS. ALL BACKFILLS SHALL BE COMPACTED AND SURFACED WITH A MINIMUM OF ONE (1) INCH COLD MIX OR HOT MIX ASPHALT TO IMPROVE TRAFFIC SURFACE UNTIL PERMANENT REPAIR CAN BE ACCOMPLISHED.



NO.	REVISION	DATE

CITY OF CHATTANOOGA AND HAMILTON COUNTY
DESIGN AND CONSTRUCTION STANDARDS

REPAIR DETAILS (ROADWAYS)
NOT TO SCALE DATE OF ORIGINAL ISSUE: MAR. 25, 2020 STANDARD #: SD-700.01