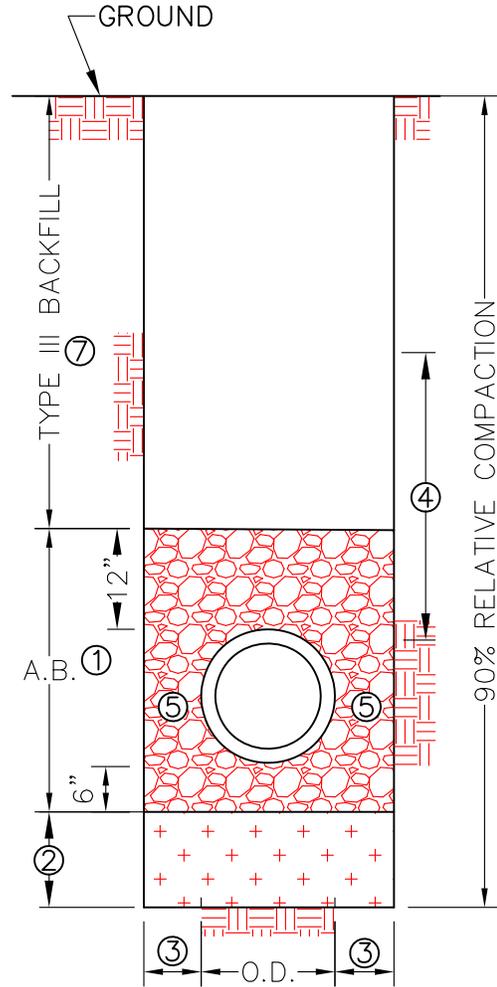
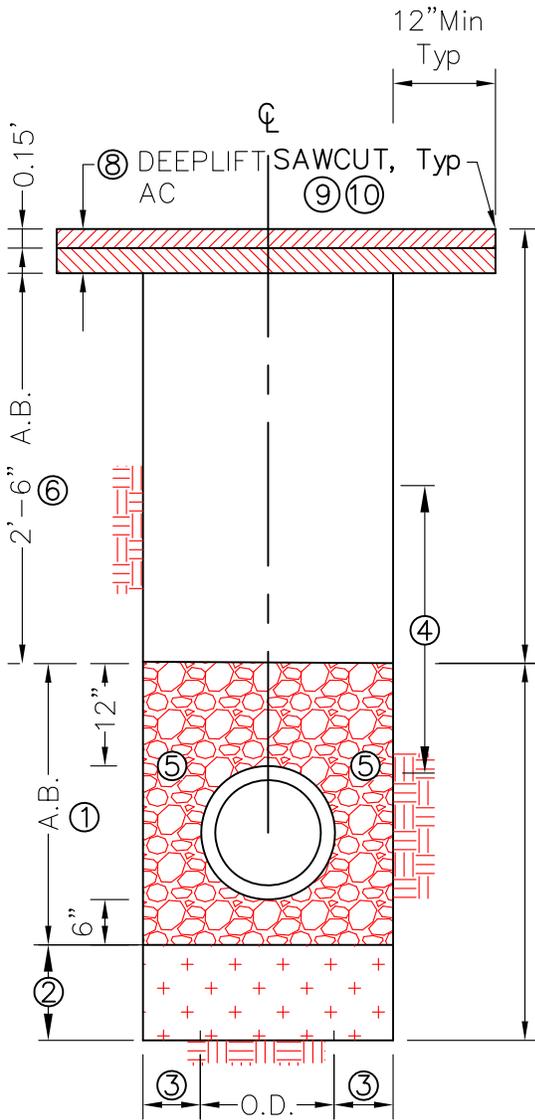


ROADWAY AREAS* CONVENTIONAL SECTION

NON-ROADWAY AREAS



* INCLUDES PUBLIC EASEMENTS WITHIN PAVED DRIVEWAYS

SEE SHEET 3 AND 4 FOR NOTES

NOT TO SCALE



[Signature]
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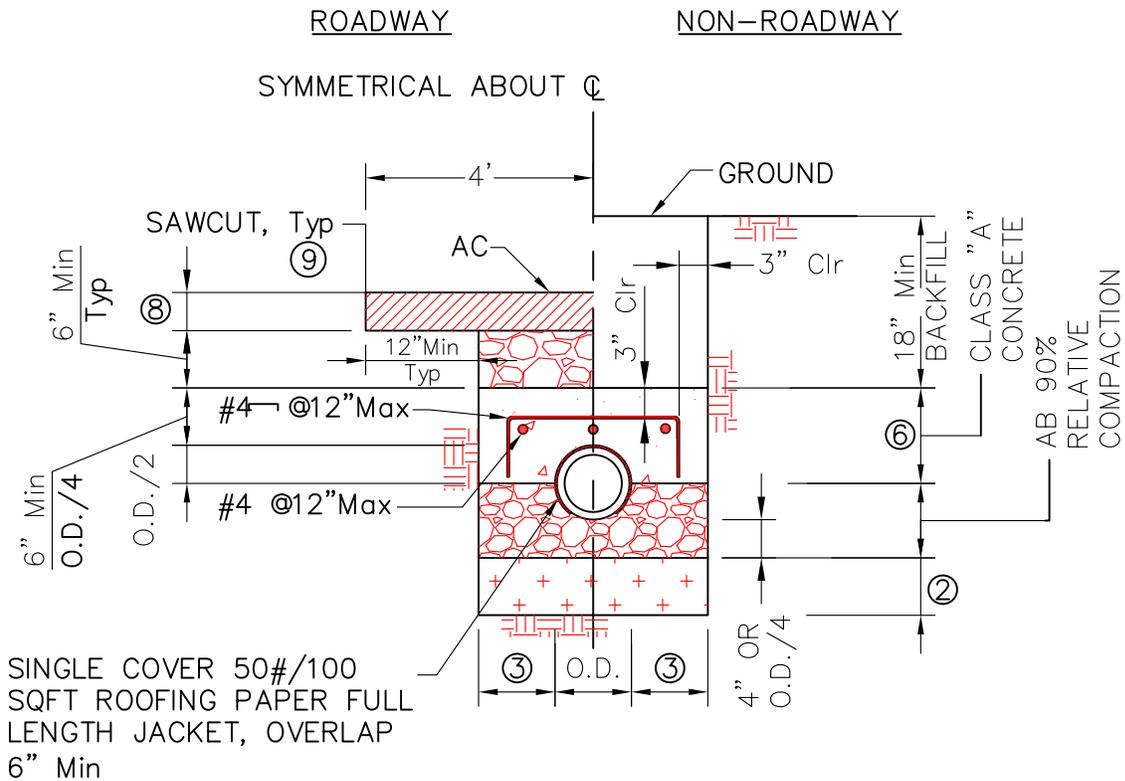
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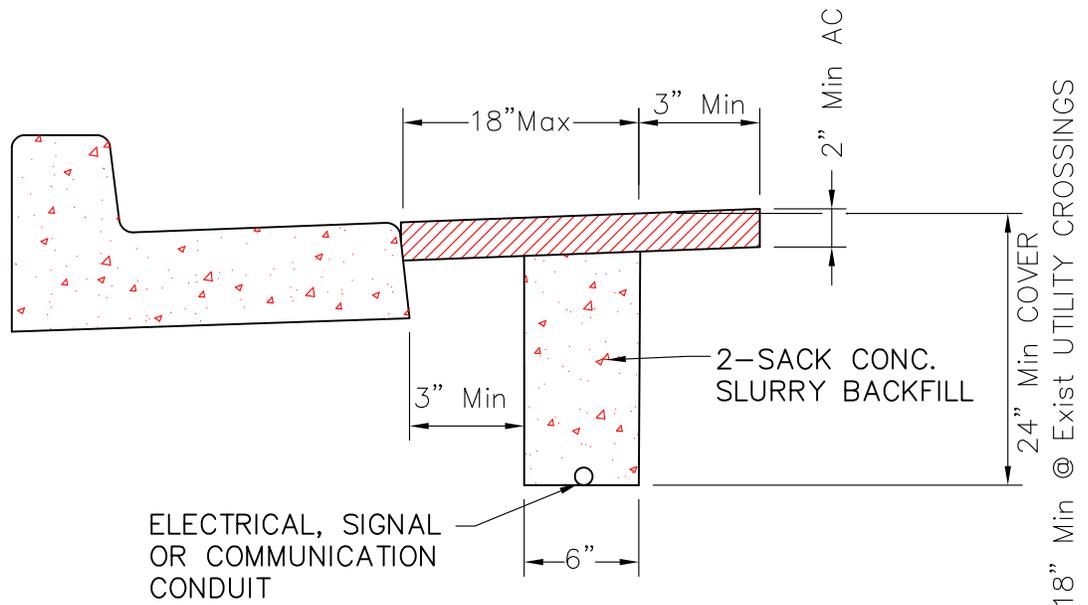
SHEET 1 OF 4

TRENCH BACKFILL AND RESURFACING

S-17



COVER SLAB



ELECTRICAL, COMMUNICATION AND SIGNAL CONDUIT
TRENCH - CONCRETE SLURRY
 ROCKWHEEL TRENCH AT GUTTER

SEE SHEET 3 AND 4 FOR NOTES

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SHEET TRENCH BACKFILL
 2 OF 4 AND RESURFACING

S-17

NOTES

1. SPECIAL TRENCH EXCAVATION AND PIPE BEDDING IS REQUIRED FOR PLASTIC STORM DRAIN PIPES.
2. IF UNSUITABLE GROUND IS ENCOUNTERED, SUB-EXCAVATE AND PLACE 9" PERMEABLE MATERIAL PER STATE STD. SPEC. CLASS 1 TYPE B.
3. MINIMUM CLEARANCE FROM TRENCH WALL TO OUTSIDE OF PIPE:
 6" FOR PIPE SIZES ≤ 12" DIAMETER
 12" FOR PIPE SIZES 12" TO 24" DIAMETER
 18" FOR PIPE SIZES > 24" DIAMETER
4. IN FILL AREAS, CONSTRUCT EMBANKMENT TO 2' MINIMUM ABOVE TOP OF PIPE PRIOR TO TRENCH EXCAVATION.
5. PLACE BACKFILL TO CENTER OF PIPE IN 8" LIFTS EQUALLY ON BOTH SIDES OF THE PIPE.
6. CONSTRUCT A CONCRETE COVER SLAB IF THE TOP OF THE PIPE IS LESS THAN 30" BELOW FINISHED STREET GRADE.

CONSTRUCT STREET STRUCTURAL SECTION BASE ROCK TO AT LEAST 1'-0" ABOVE TOP OF PIPE PRIOR TO TRENCH EXCAVATION, WHEN TOP OF PIPE IS LESS THAN 1'-0" BELOW SUBGRADE.

AN ENGINEERED CONCRETE DESIGN SHALL BE SUBMITTED IF THE TOP OF THE PIPE IS LESS THAN 18" BELOW FINISHED GRADE OF STREET.

7. MATERIAL FOR THE TYPE III BACKFILL MAY BE OBTAINED FROM THE EXCAVATION AND SHALL BE FREE OF STONES, LUMPS, BROKEN CONCRETE, OR BITUMINOUS SURFACING EXCEEDING 4" IN GREATEST DIMENSION, VEGETABLE MATTER, OR OTHER UNSATISFACTORY MATERIAL. THE MATERIAL SHALL CONTAIN SUFFICIENT FINES TO INSURE THAT VOIDS WILL BE FILLED AND THAT SPECIFIED COMPACTING REQUIREMENTS WILL BE MET. WHEN MATERIAL FROM THE EXCAVATION IS UNSUITABLE FOR USE AS BACKFILL, IT SHALL BE DISPOSED OF AND SUITABLE MATERIAL FURNISHED.

PONDING OR JETTING IS NOT ALLOWED.

8. THE DEPTH OF ASPHALT SURFACING SHALL MATCH THE EXISTING ASPHALT THICKNESS. MINIMUM:
 - 5" - RESIDENTIAL
 - 8" - RESIDENTIAL COLLECTORS
 - 10" - COLLECTORS
 - 12" - ARTERIALS
 - 15" - TRUCK ROUTES
9. SAWCUT PRIOR TO FINAL PAVING. PLACE NEW 12" LAP ON EXISTING UNDISTURBED STREET SECTION.

NOT TO SCALE



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SHEET TRENCH BACKFILL
3 OF 4 AND RESURFACING

S-17

NOTES

10. IF EDGE OF TRENCH IS $\leq 2'$ FROM GUTTER LIP, REPLACE ROAD SURFACE TO GUTTER LIP.
11. IT IS THE CITY'S STANDARD POLICY THAT NEW TRENCH EXCAVATION SHALL NOT BE ALLOWED ON STREETS THAT HAVE BEEN RESURFACED OR SLURRY SEALED WITHIN THE LAST FIVE (5) YEARS. IF NEW EXCAVATION IS APPROVED, RESTORATION SHALL BE REQUIRED BY THE CITY ENGINEER.
12. TRENCH SHALL BE BACKFILLED AND PAVED (PERMANENT OR TEMPORARY) OR COVERED WITH STEEL PLATES AT THE END OF EACH DAY. TEMPORARY PAVING SHALL BE REPLACED WITH PERMANENT PAVING WITHIN 72 HOURS.
13. NO RESIDENTIAL OR COMMERCIAL DRIVEWAY SHALL BE BLOCKED WITHOUT ADVANCE NOTICE TO THE OWNER. DRIVEWAYS MAY BE BLOCKED ONLY DURING ACTUAL CONSTRUCTION. TRENCH SHALL BE BACKFILLED OR BRIDGED TO ALLOW ACCESS TO DRIVEWAY.
14. CONTRACTOR SHALL CALL THE ENGINEERING DIVISION FOR INSPECTION ON BACKFILLING, SURFACING, AND ALL OTHER PHASES OF WORK GIVING 48 HOURS NOTICE PRIOR TO COMMENCEMENT OF ANY WORK OR PHASE OF WORK.

NOT TO SCALE



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CITY ENGINEER

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SHEET
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TRENCH BACKFILL
AND RESURFACING

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