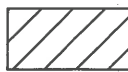
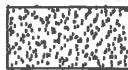





**LEGEND**

-  PAVEMENT REMOVAL
-  ASPHALT CONCRETE (AC)
-  CRUSHED AGGREGATE BASE (CAB)

**NOTES**

THE REFERENCED NOTES ARE LOCATED ON SHEET 2



APPROVED BY:		5-22-24
		DATE
KHOI DO, CITY ENGINEER		RCE: 62809
RECOMMENDED BY:		5/22/24
		DATE
BRYAN LIRLEY, ASSISTANT CITY ENGINEER		RCE: 70990

**CITY OF ONTARIO**

**EXCAVATION / BACKFILL & PAVING**

STANDARD DRAWING NUMBER  
**1306**  
SHEET 1 OF 2

# EXCAVATION/BACKFILL & PAVING NOTES

- ① EXISTING PAVEMENT SHALL BE WHEEL CUT OR SAW CUT & REMOVED AT THE WIDTH OF DIMENSION "A". THE DEPTH OF THE REMOVAL SHALL BE THE FULL STRUCTURED DEPTH PLUS THE NECESSARY EXCAVATION FOR THE NEW PAVEMENT SECTION AS REQUIRED BY NOTE 8 HEREON.
- ② FOR LONGITUDINAL TRENCHES OVER 150' IN LENGTH, A MINIMUM 10' WIDE, 2" GRIND AND OVERLAY IS REQUIRED.
- ③ THE PIPE ZONE WIDTH SHALL BE A MINIMUM OF 12" PLUS THE PIPE DIAMETER AND THE MAXIMUM OF 16" PLUS THE PIPE DIAMETER, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK).
- ④ BEDDING MATERIAL SHALL BE SAND, GRAVEL, CRUSHED AGGREGATE BASE, OR NATIVE FREE-DRAINING GRANULAR MATERIAL HAVING A MINIMUM SAND EQUIVALENT OF 30. IF USING GRAVEL OR AGGREGATE BASE, THE ENTIRE BEDDING ZONE SHALL BE WRAPPED IN GEOTEXTILE FABRIC, MIRAFI FW 402 OR APPROVED EQUAL, OVERLAPPED A MINIMUM OF 12".
- ⑤ BACKFILL MATERIAL SHALL BE OF SELECT MATERIAL AS SPECIFIED IN THE PROJECT PLANS AND SPECIFICATIONS OR AS APPROVED BY THE CITY ENGINEER. BACKFILL SHALL BE COMPACTED TO 90%/95% MIN & TESTED. TESTS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND THE CITY ENGINEER PRIOR TO PLACEMENT OF CAB.
- ⑥ CRUSHED AGGREGATE BASE (CAB) SHALL BE IN ACCORDANCE WITH SECTION 200-2.2 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION ("GREENBOOK"), CURRENT EDITION, AND SHALL BE COMPACTED & TESTS APPROVED PRIOR TO PLACEMENT OF A.C.
- ⑦ ASPHALT CONCRETE (AC) SHALL BE REPLACED IN KIND (PG 64-10 OR ARHM) IN ACCORDANCE WITH CURRENT GREENBOOK STANDARDS AND SPECIFICATIONS OR AS APPROVED BY THE CITY ENGINEER. REFER TO STANDARD DRAWING NO. 1011 FOR ADDITIONAL INFORMATION, INCLUDING CAP PAVE REQUIREMENTS.
- ⑧ COMPACTION TESTS SHALL BE TAKEN EVERY 200', MINIMUM OF 1 PER LOCATION, STAGGERED IN EACH LANE OF TRAVEL. REFER TO THE ENGINEERING DEPARTMENT'S MATERIALS TESTING POLICY FOR FURTHER INFORMATION.
- ⑨ TRENCHES WHICH ARE 30" IN DEPTH OR LESS AND 18" IN WIDTH OR LESS SHALL BE BACKFILLED WITH ONE-SACK CEMENT SLURRY.
- ⑩ IN THE EVENT OF TRENCH WALL FAILURE, TRENCH LIMITS MAY BE EXTENDED AS DETERMINED BY THE CITY ENGINEER. ADDITIONAL BACKFILL REQUIREMENTS MAY BE REQUIRED. 1' AC/CAB "WING" SHALL BE LOCATED FROM FARTHEST LIMIT OF TRENCH OR TRENCH WALL FAILURE AS DETERMINED BY THE CITY ENGINEER.
- ⑪ FULL AC REPLACEMENT OF THE ASPHALT BETWEEN THE TRENCH AND THE CURB/GUTTER, OR BETWEEN TRENCHES, SHALL BE REQUIRED FOR ANY TRENCH WHERE THE PAVEMENT REMOVAL IS WITHIN 5' OF CURB/GUTTER OR ANOTHER TRENCH.
- ⑫ REMOVAL OF 6 OR MORE SEPARATE AREAS OF PAVEMENT WITHIN A 150' LONGITUDINAL LENGTH OF STREET SHALL REQUIRE A 2" GRIND AND OVERLAY EXTENDED 5' BEYOND THE LIMITS OF THE OUTERMOST PAVEMENT REMOVAL OR AS APPROVED BY CITY ENGINEER.
- ⑬ THERE IS A 3 YEAR MORATORIUM ON NEWLY PAVED STREETS. ANY TRENCHING WITHIN THIS PERIOD REQUIRES APPROVAL FROM THE CITY ENGINEER.
- ⑭ ANY MODIFICATION TO EXISTING CONCRETE IMPROVEMENTS SHALL BE REPLACED IN KIND BETWEEN SCORE LINES/JOINTS.
- ⑮ PERMANENT AC SHALL BE REPLACED WITHIN 30 DAYS OF EXCAVATION. TEMPORARY AC, MINIMUM 2" THICK, SHALL BE COMPACTED AND PLACED FLUSH USING A STEEL DRUM ROLLER OR OTHER COMPACTION DEVICE, AND MAINTAINED TO PROVIDE A SMOOTH TRAVEL SURFACE UNTIL THE PERMANENT REPAIR IS COMPLETE.
- ⑯ PRIOR TO PLACEMENT OF PERMANENT PAVEMENT, BACKFILL COMPACTION REPORTS SHALL BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER AND SUBMITTED TO THE CITY ENGINEER FOR APPROVAL. IN LIEU OF COMPACTION TESTING CONTRACTOR MAY USE 1-SACK PCC SLURRY BACKFILL.
- ⑰ RODENT BARRIER SHALL BE PLACED ALONG EDGE OF TRENCH, A MINIMUM OF 4' BELOW STREET STRUCTURAL SECTION, WHEN ADJACENT PROPERTY IS UNDEVELOPED.



APPROVED BY:  KHOI DO, CITY ENGINEER	5-22-24 DATE	<h2 style="margin: 0;">CITY OF ONTARIO</h2>
RECOMMENDED BY:  BRYAN LIRLEY, ASSISTANT CITY ENGINEER	5/22/24 DATE	<h3 style="margin: 0;">EXCAVATION / BACKFILL &amp; PAVING NOTES</h3>
		STANDARD DRAWING NUMBER <h1 style="margin: 0;">1306</h1> SHEET 2 OF 2