

4" MIN. AASHTO #57 STONE
OR 2B CLEAN STONE
6" DEEP (MIN.)
WITHIN STATE RIGHT OF WAY

NOTES:

1. PROVIDE MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408, CURRENT EDITION, AND AS MODIFIED HEREIN.
2. CONCRETE SHALL BE CLASS AA (3760 PSI), AIR ENTRAINED (6%) WITH A 4" SLUMP MAX.
3. TRANSVERSE CONTROL JOINTS 1/8" WIDE AND 1" DEEP TO BE FORMED EVERY 5 FEET.
4. EXPANSION JOINTS WITH 1/2" PRE-MOLDED MATERIAL SHALL BE PLACED EVERY 30 FEET TO FULL DEPTH.
5. ALL EDGES TO BE ROUNDED WITH A 1/4" TOOL.
6. LIGHT BROOM FINISH TO BE APPLIED.
7. WEATHER PROTECTION SHALL BE USED IN ACCORDANCE WITH PENNDOT PUBLICATION 408 CURRENT EDITION.
8. PENETRATING SEALER TO BE APPLIED IMMEDIATELY FOLLOWING FINISHING OPERATIONS. PENETRATING SEALER TO BE AQUORON CPT2000 OR APPROVED EQUAL.

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**UPPER DUBLIN TOWNSHIP STANDARD DETAIL
PROPOSED SIDEWALK**



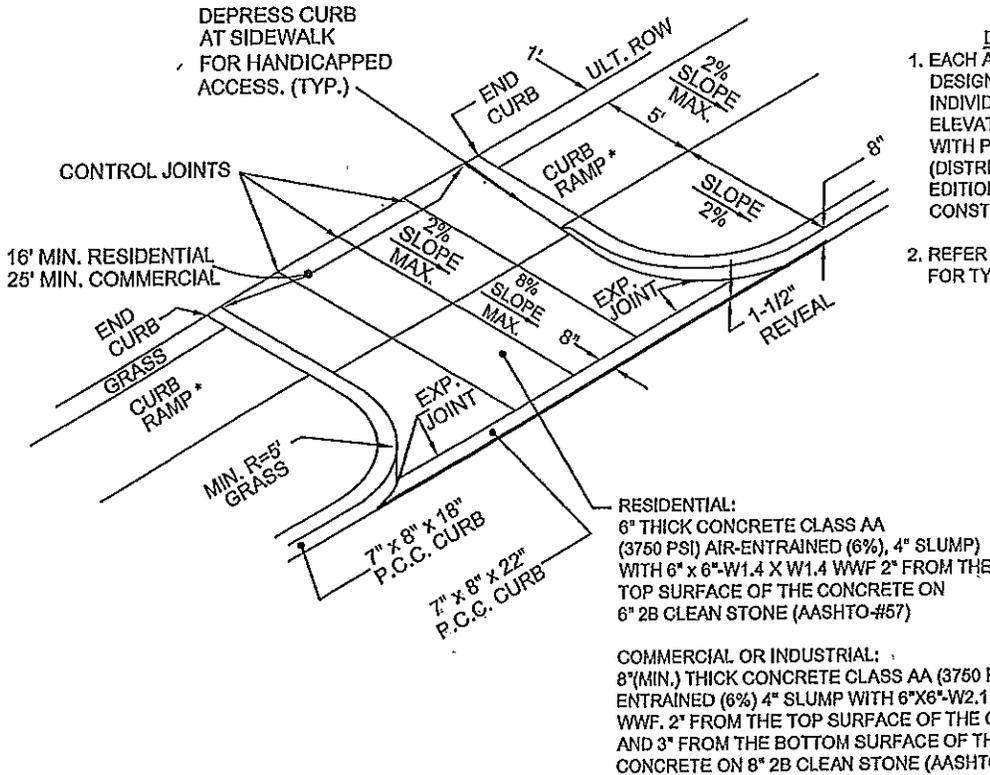
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***CURB RAMP DESIGN NOTES**

1. EACH CURB RAMP REQUIRES AN INDIVIDUAL DESIGN, BY THE DESIGN ENGINEER. EACH INDIVIDUAL RAMP REQUIRES COMPLETED DISTRICT 6 (D6) CS-4401 INSPECTION FORMS. DESIGN MUST SHOW ALL ELEVATIONS, SLOPES ETC. AND MUST COMPLY WITH PENNDOTS ADA REFERENCE GUIDE (DISTRICT 6) AND PENNDOT RC 67m CURRENT EDITION. REFER TO CONSTRUCTION NOTES FOR CONSTRUCTION REQUIREMENTS.
2. REFER TO PENNDOT RC 67m CURRENT EDITION FOR TYPES OF RAMPS.

DRIVEWAY APRON DESIGN NOTES

1. EACH APRON REQUIRES AN INDIVIDUAL DESIGN, BY THE DESIGN ENGINEER. EACH INDIVIDUAL APRON DESIGN MUST SHOW ALL ELEVATIONS, SLOPES ETC. AND MUST COMPLY WITH PENNDOTS ADA REFERENCE GUIDE (DISTRICT 6) AND PENNDOT RC 67m CURRENT EDITION. REFER TO CONSTRUCTION NOTES FOR CONSTRUCTION REQUIREMENTS.
2. REFER TO PENNDOT RC 67m CURRENT EDITION FOR TYPES OF DRIVEWAY APRONS.



CONSTRUCTION NOTES:

1. PROVIDE MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408, CURRENT EDITION, AND AS MODIFIED HEREIN.
2. SUBGRADE MUST BE APPROVED BY THE TOWNSHIP ENGINEER OR THE TOWNSHIP ENGINEERS REPRESENTATIVE IN THE FIELD PRIOR TO INSTALLING STONE.
3. WEATHER PROTECTION SHALL BE USED IN ACCORDANCE WITH PENNDOT PUBLICATION 408, CURRENT EDITION.
4. PENETRATING SEALER TO BE APPLIED IMMEDIATELY FOLLOWING FINISHING OPERATIONS. PENETRATING SEALER TO BE AQUORON CPT2000 OR APPROVED EQUAL.

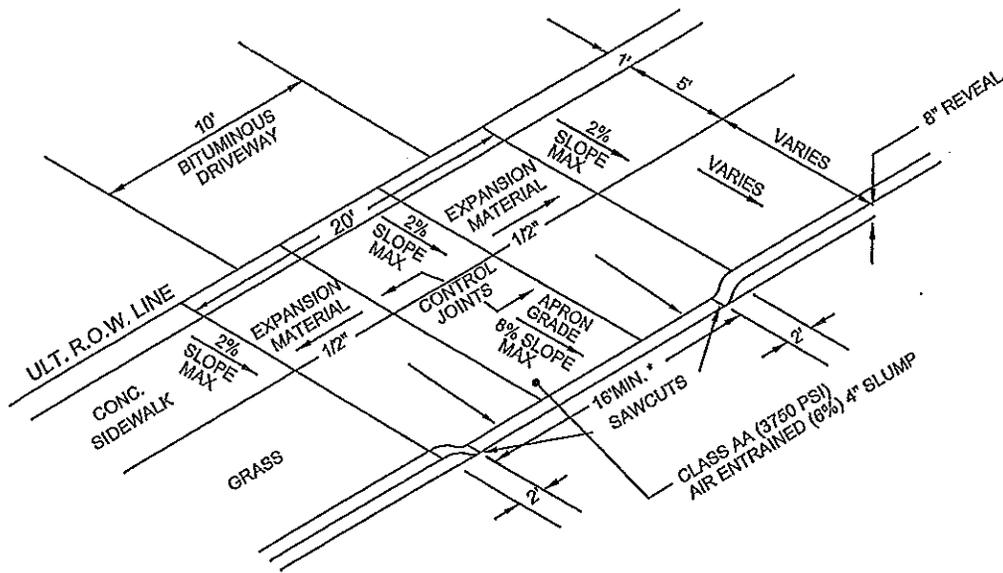
**UPPER DUBLIN TOWNSHIP STANDARD DETAIL
CONCRETE DRIVEWAY RAMP
WITH CURBED RADIUS RETURNS**



DATE 10-2012

NOT TO SCALE

CC203



DESIGN NOTES

1. EACH APRON REQUIRES AN INDIVIDUAL DESIGN, BY THE DESIGN ENGINEER. EACH INDIVIDUAL APRON DESIGN MUST SHOW ALL ELEVATIONS, SLOPES ETC. AND MUST COMPLY WITH PENNDOTS ADA REFERENCE GUIDE (DISTRICT 6) AND PENNDOT RC 67m CURRENT EDITION. REFER TO CONSTRUCTION NOTES FOR CONSTRUCTION REQUIREMENTS.
2. REFER TO PENNDOT RC 67m CURRENT EDITION FOR TYPES OF DRIVEWAY APRONS.

* 16' FOR 10' WIDE DRIVEWAYS.
FOR WIDER DRIVEWAYS ADD 6' TO DRIVE WIDTH.

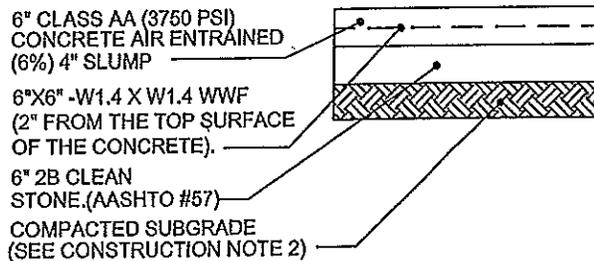
NOTE: CONTROL JOINTS TO BE INSTALLED PER PENNDOT 408 CURRENT EDITION

CONTROL JOINT PLACEMENT TO BE AT THE DISCRETION OF THE TWP. ENGINEER OR THEIR REPRESENTATIVE IN THE FIELD.

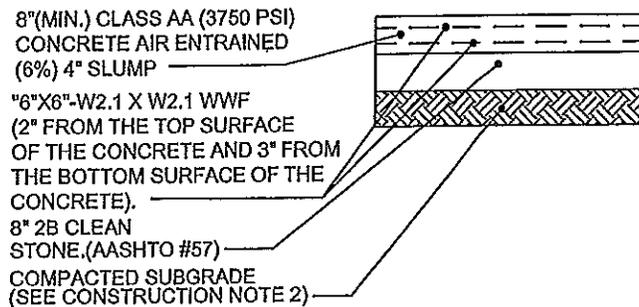
CONSTRUCTION NOTES:

1. PROVIDE MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH PENNDOT PUBLICATION 408, CURRENT EDITION AND AS MODIFIED HEREIN.
2. SUBGRADE MUST BE APPROVED BY THE TOWNSHIP ENGINEER OR THE TOWNSHIP ENGINEERS REPRESENTATIVE IN THE FIELD PRIOR TO INSTALLING STONE.
3. WEATHER PROTECTION SHALL BE USED IN ACCORDANCE WITH PENNDOT PUBLICATION 408, CURRENT EDITION.
4. PENETRATING SEALER TO BE APPLIED IMMEDIATELY FOLLOWING FINISHING OPERATIONS. PENETRATING SEALER TO BE AQUORON CPT2000 OR APPROVED EQUAL.

RESIDENTIAL



COMMERCIAL OR INDUSTRIAL



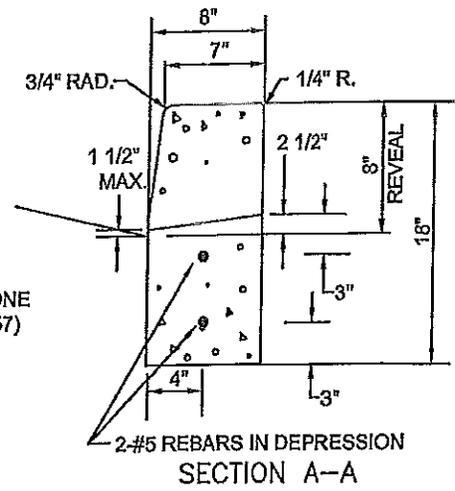
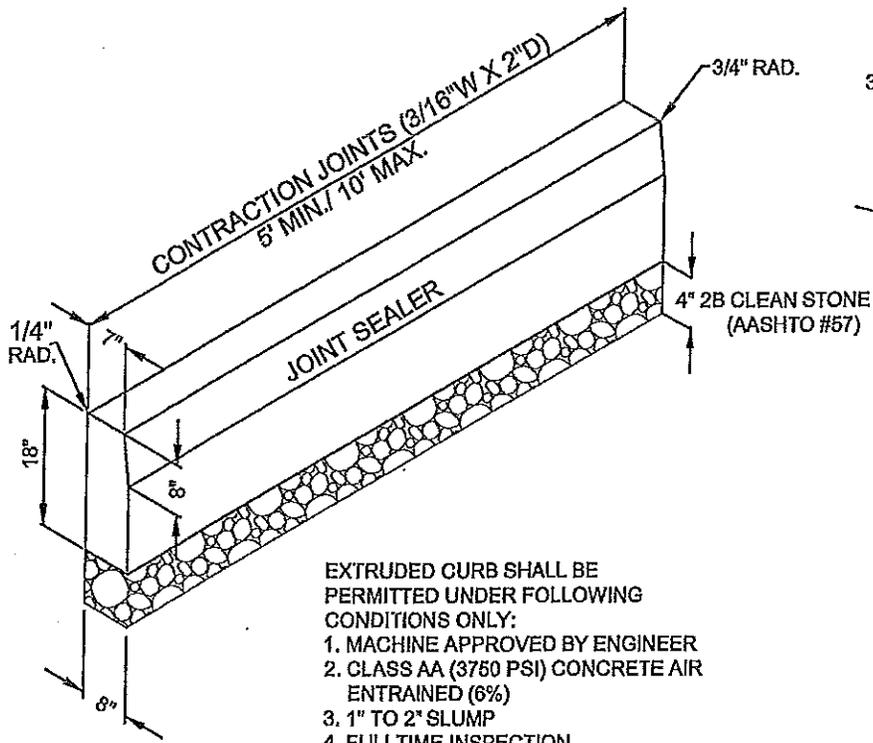
**UPPER DUBLIN TOWNSHIP STANDARD DETAIL
CONCRETE DRIVEWAY APRON**



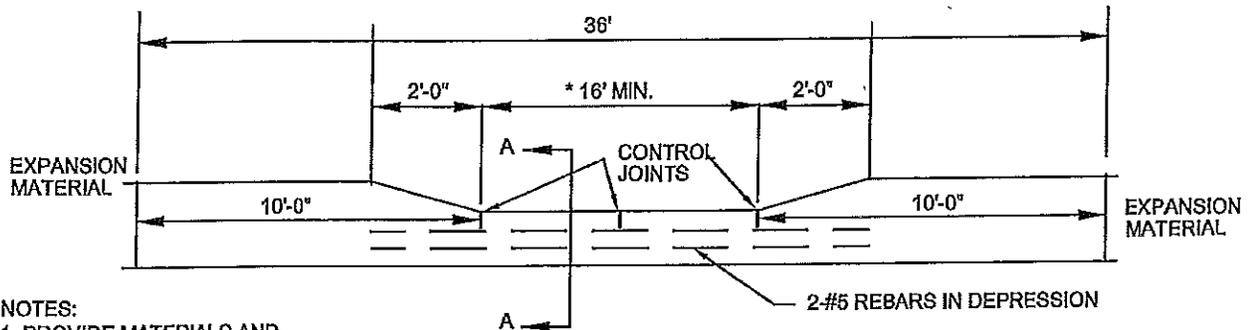
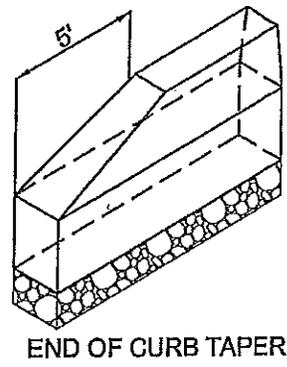
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NOT TO SCALE

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- EXTRUDED CURB SHALL BE PERMITTED UNDER FOLLOWING CONDITIONS ONLY:
1. MACHINE APPROVED BY ENGINEER
 2. CLASS AA (3750 PSI) CONCRETE AIR ENTRAINED (6%)
 3. 1" TO 2" SLUMP
 4. FULLTIME INSPECTION
- FORMED CURB SHALL BE:
1. CLASS AA (3750 PSI)
 2. AIR ENTRAINED (6%)
 3. 4" SLUMP



- NOTES:
1. PROVIDE MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408, CURRENT EDITION, AND AS MODIFIED HEREIN.
 2. 3/4" PREMOLDED EXPANSION JOINT MATERIAL SHALL BE PLACED AT 30 FOOT MAXIMUM SPACING TO FULL DEPTH OF CURB. (40 FOOT MAXIMUM FOR EXTRUDED CURB), AT STRUCTURES AND AT THE END OF A DAYS WORK.
 3. CURB SHALL BE DOWEL PINNED INTO INLETS. 2-#8X1'-0" DOWEL BARS ON BOTH SIDES OF INLET.

* 20' FOR DOUBLE WIDE DRIVEWAY
 ADDITIONAL WIDTH MUST BE PRE-APPROVED BY TOWNSHIP.
 24' MAXIMUM FOR RESIDENTIAL

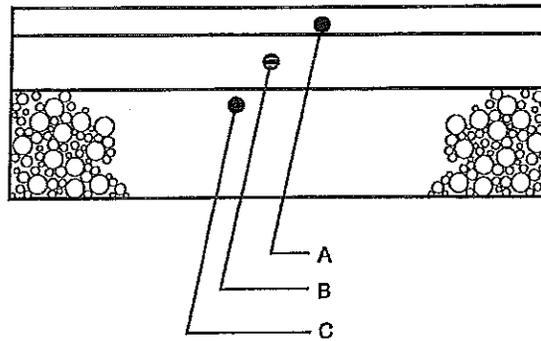
4. 4" 2B CLEAN STONE UNDER CURB.
5. WEATHER PROTECTION SHALL BE USED IN ACCORDANCE WITH PENNDOT PUBLICATION 408, CURRENT EDITION.
6. PENETRATING SEALER TO BE APPLIED IMMEDIATELY FOLLOWING FINISHING OPERATIONS. PENETRATING SEALER TO BE AQUORON CPT2000 OR APPROVED EQUAL.

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UPPER DUBLIN TOWNSHIP STANDARD DETAIL
 CONCRETE CURB DETAIL



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SINGLE FAMILY RESIDENTIAL:

- A. 1 1/2" DEPTH SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG 64-22, 0.0 TO 0.3 MILLION ESALs, 9.5mm MIX, SRL H
- B. 2" DEPTH SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG 64-22, 0.0 TO 0.3 MILLION ESALs, 19.0mm MIX.
- C. 8" 2A STONE

NOTES:

1. PROVIDE MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408, CURRENT EDITION, INCLUDING BUT NOT LIMITED TO SECTION 210-SUBGRADE, SECTION 350-SUBBASE AND SECTION 409-SUPERPAVE MIXTURE DESIGN, STANDARD AND RPS CONSTRUCTION OF PLANT-MIXED HMA COURSES, AND AS MODIFIED HEREIN.

SUBGRADE STABILITY VERIFICATION

After contractor has prepared subgrade in accordance with PennDot Publication 408, Section 210 (subgrade) a subgrade stability verification is required prior to placement of sub-base material. A triaxle fully loaded maximum load (quarry slip of loaded weight will be required in the field) is required to run over entire roadway subgrade (including curb lines), over all trenches and anywhere directed by Township Engineer or his/her representatives in the field. Areas displaying pronounced elasticity, pumping, movement or deformation under the loaded triaxle will be noted and marked in the field. The areas noted and/or marked showing unstable subgrade must be corrected and reverified for required stability prior to starting subbase construction. All areas that are to be filled, stoned, paved and/or curbed are required to be proofrolled by this method. A subgrade stability re-verification is required after any/all rain events, snow events (once cleared and/or melted), introduction of moisture to the subgrade or sub-base, or as determined by the Township Engineer's representative in the field.

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**UPPER DUBLIN TOWNSHIP STANDARD DETAIL
SINGLE FAMILY RESIDENTIAL BITUMINOUS DRIVEWAY**

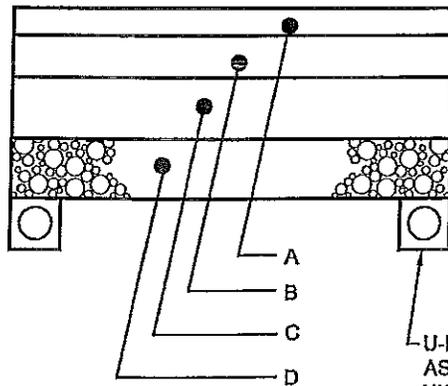


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NOT TO SCALE

RD111



U-DRAIN (TYP.) TO BE INSTALLED AS REQUIRED BY TOWNSHIP OR HIS/HER REPRESENTATIVE IN THE FIELD. SEE PERFORATED UNDERDRAIN DETAIL DR 328.

STANDARD:

- A. 1 1/2" DEPTH SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG 64-22, 0.0 TO 0.3 MILLION ESALs, 9.5mm MIX, SRL H
- B. 2" DEPTH SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BINDER COURSE, PG 64-22, 0.0 TO 0.3 MILLION ESALs, 19.0mm MIX.
- C. 3" DEPTH SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 0.0 TO 0.3 MILLION ESALs, 25.0mm MIX.
- D. 6" 2A STONE

NOTES:

1. PROVIDE MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408, CURRENT EDITION, INCLUDING BUT NOT LIMITED TO SECTION 210-SUBGRADE, SECTION 350-SUBBASE AND SECTION 409-SUPERPAVE MIXTURE DESIGN, STANDARD AND RPS CONSTRUCTION OF PLANT-MIXED HMA COURSES, AND AS MODIFIED HEREIN.

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**UPPER DUBLIN TOWNSHIP STANDARD DETAIL
MULTI-FAMILY RESIDENTIAL AND
NON-RESIDENTIAL BITUMINOUS DRIVEWAY & PARKING**



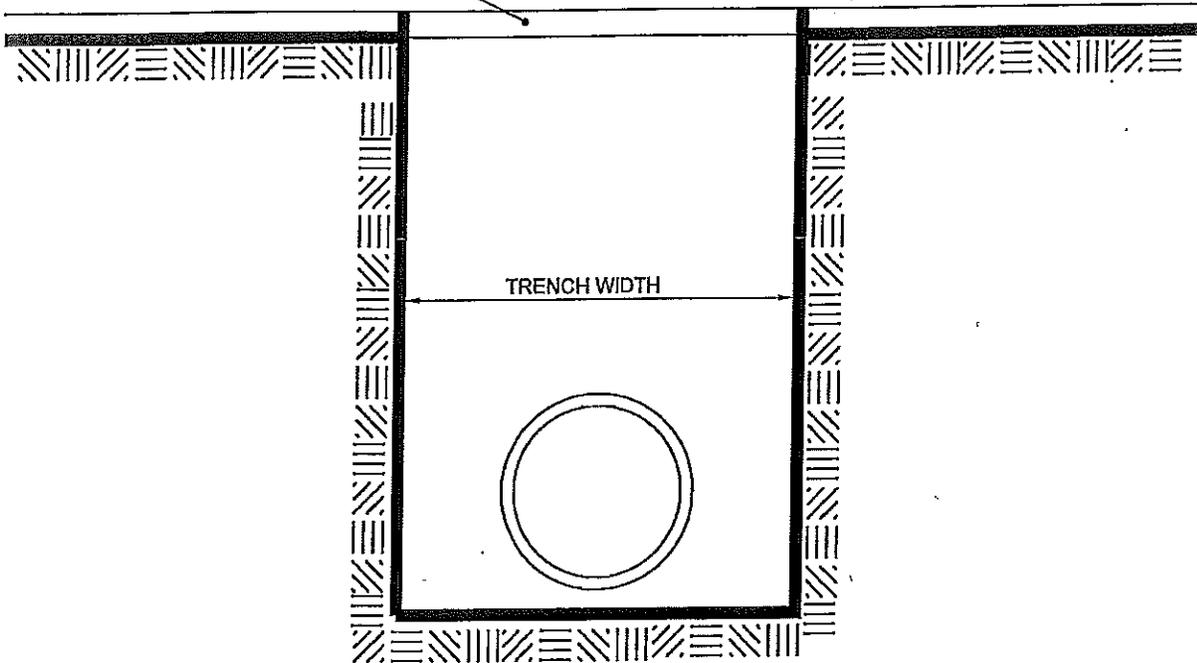
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RD112

2" SUPERPAVE 19 mm
BINDER COURSE
(COMPACTED PER PENNDOT
408 CURRENT EDITION,
SECTION 409)



(A) 2" DEPTH SUPERPAVE ASPHALT MIXTURE DESIGN,
HMA BINDER COURSE, PG 64-22, 0.0 TO 0.3 MILLION
ESALs, 19 mm MIX.

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UPPER DUBLIN TOWNSHIP STANDARD DETAIL
TEMPORARY ROAD RESTORATION WITHIN TOWNSHIP ROADS

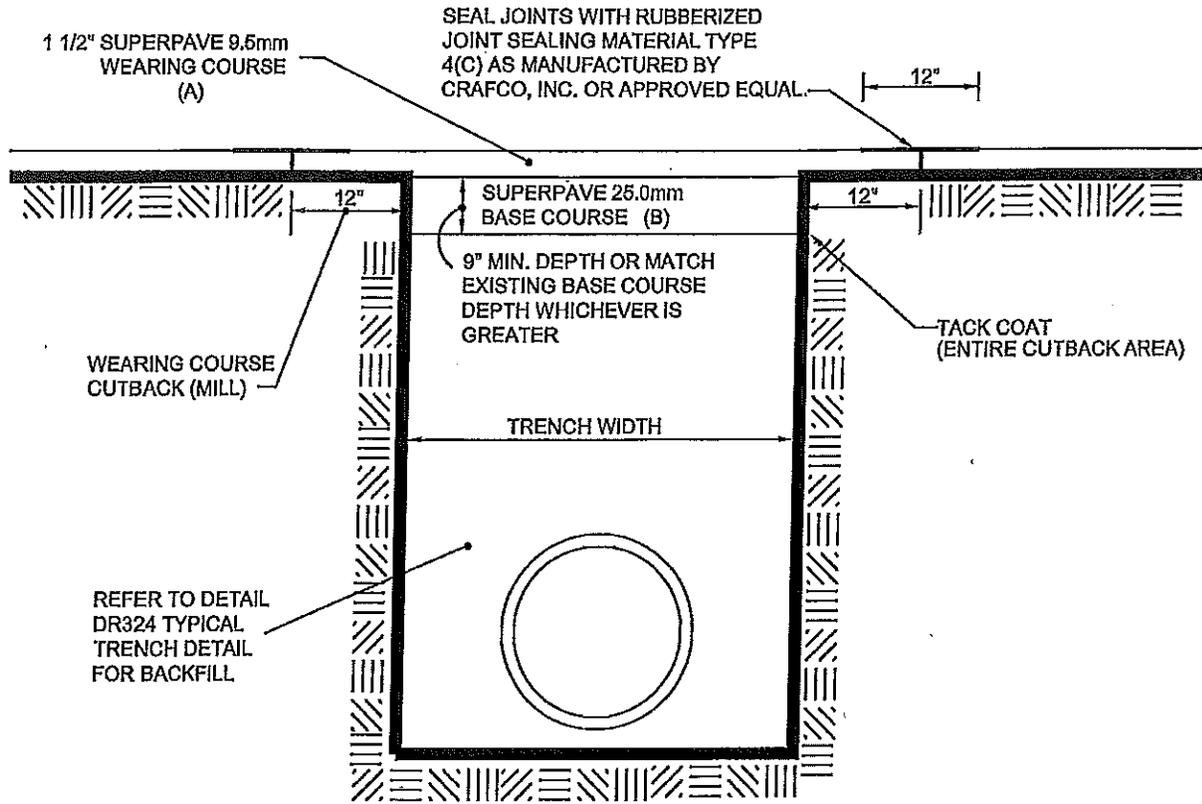


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RD108



NOTES:
 1. PROVIDE MATERIALS AND CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF PENNDOT PUBLICATION 408, CURRENT EDITION, INCLUDING BUT NOT LIMITED TO SECTION 210-SUBGRADE, SECTION 350-SUBBASE AND SECTION 409-SUPERPAVE MIXTURE DESIGN, STANDARD AND RPS CONSTRUCTION OF PLANT-MIXED HMA COURSES, AND AS MODIFIED HEREIN.

- (A) 1 1/2" DEPTH SUPERPAVE ASPHALT MIXTURE DESIGN, HMA WEARING COURSE, PG 64-22, 0.0 TO 0.3 MILLION ESALs, 9.5mm MIX, SRL H
- (B) 9" MINIMUM DEPTH (OR MATCH EXISTING BASE COURSE, WHICHEVER IS GREATER) SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE, PG 64-22, 0.0 TO 0.3 ESALs, 25.0mm MIX.

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**UPPER DUBLIN TOWNSHIP STANDARD DETAIL
 PERMANENT ROAD RESTORATION WITHIN TOWNSHIP ROADS**



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