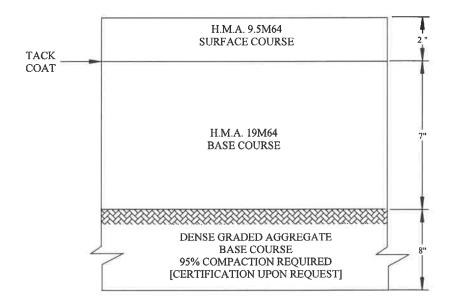


NOTE:

- 1. LENGTH AND WIDTH OF DRIVEWAY SHALL BE SHOWN ON THE PLANS OR AS DIRECTED.
- 2. MAINTAIN EXISTING DIRECTION OF STORM WATER FLOW ON THE DRIVEWAY.
- 3. PROVIDE TEMPORARY ACCESS DURING DRIVEWAY CONSTRUCTION.
- 4. DEPRESSED CURB SHALL BE CONSTRUCTED AS PER DEPRESSED CURB DETAIL.
- 5. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE. ALL RCA MUST MEET NIDOT SPECIFICATIONS AND BE CERTIFIED BY AN NIDOT APPROVED PLANT OF ORIGIN. ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS.

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			DRIVE WAY SE	CTION ADJACENT TO
			REINFOR	CED CONCRETE
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ЯУ		<i>6308</i>	Scale: NOT to SCALE	<u>Ronald Sendner</u>
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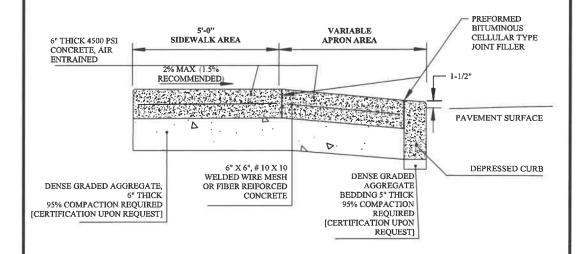


NOTES:

- 1. MIX NUMBERS ARE IN ACCORDANCE WITH THE CURRENT NEW JERSEY DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- 2. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE. ALL RCA MUST MEET NIDOT SPECIFICATIONS AND BE CERTIFIED BY AN NIDOT APPROVED PLANT OF ORIGIN. ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS.
- 3. PAVEMENT CORES (UPON REQUEST)

	Revisio	sions	County	of Middlesex
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CONCRETE DRIVEWAY REINFORCED, 6" THICK



NOTES:

- 1. TRANSVERSE EXPANSION JOINTS, 1/2" WIDE SHALL BE PROVIDED AT INTERVALS OF NOT MORE THAN 8' AND FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER (AASHTO M33). LONGITUDINAL JOINTS 1/2" WIDE SHALL BE PROVIDED BETWEEN CURBS AND ABUTTING SIDEWALKS, AND SHALL BE FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER (AASHTO M33). THE TOP OF ALL JOINT FILLER SHALL BE TRIMMED 1/2" BELOW THE TOP OF THE SIDEWALK AND FILLED WITH JOINT SEALER (SIKAFLEX-1A OR APPROVED EQUAL).
- 2. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE. ALL RCA MUST MEET NJDOT SPECIFICATIONS AND BE CERTIFIED BY AN NJDOT APPROVED PLANT OF ORIGIN. ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS.

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DETAIL #8 METHOD OF DEPRESSING CURBS VARIABLE MAX MAX. 1-1/2" TOP OF CURB PAVEMENT SURFACE 12" 1-1/2" DENSE GRADED AGGREGATE BEDDING PAVEMENT SURFACE. 95% COMPACTION REQUIRED [CERTIFICATION UPON REQUEST] SECTION A-A Curb Size Dim. Dim. 17 1/2" 16ⁿ 9"x16" NOTE: 1. PREFORMED BITUMINOUS CELLULAR TYPE EXPANSION JOINT FILLER (AASHTO M33) 1/2" WIDE IN THE CURB SHALL BE PROVIDED AT APPROXIMATELY EQUAL DISTANCES OF NOT MORE THAN 20' BETWEEN JOINTS, AND SHALL BE FLUSH WITH THE TOP AND FACE OF CURB. 2. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE, ALL RCA MUST MEET NJDOT SPECIFICATIONS AND BE CERTIFIED BY AN NJDOT APPROVED PLANT OF ORIGIN, ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS Revisions

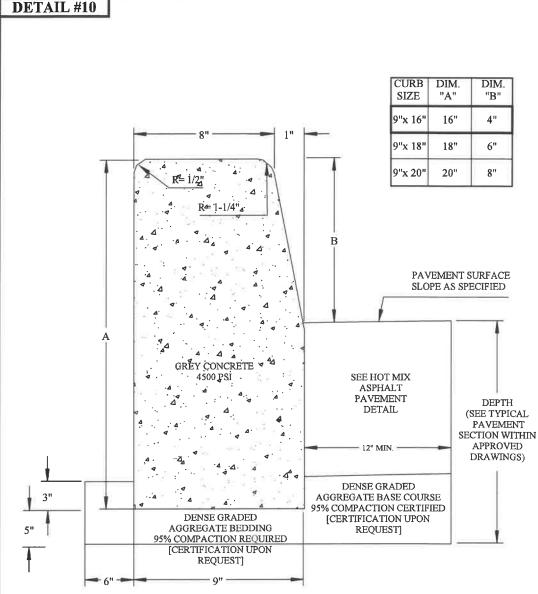
County of Middlesex Department of Infrastructure Management Office of Engineering/Planning/Public Works 75 Bayard St., New Brunswick, NJ 08901 NO DATE BY 1 1/16/19 KP **DEPRESSED CURB DETAIL**

Ronald Sendner Licensed Professional Engineer License No. 24GE03162200 Scale: NOT to SCALE Sheet No. 1 of 1 Date: 4/25/17 8308 Checked By Approved By

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<u>Ronald Sendner</u> Acting County Engineer N.J. P.E. No. 248E03162200

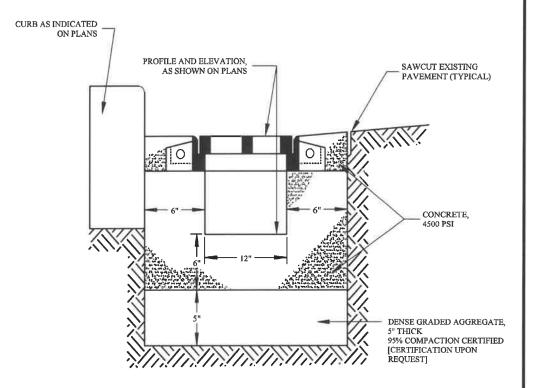
DETAIL #9 TYPICAL COUNTY ROAD WIDENING DETAIL Œ ROW 131 SAWCUT AND 4" FACE (TYP.) POLYMERIZED 1' +/- (TYP.) 2.0% SLOPE JOINT ADHESIVE 1.5% RECOMMENED 1.5% SLOPE 2.0% SLOPE - TACK COAT (E.O.P.) 9" x 16" CONCRETE VERTICAL CURB EXISTING ASPHALT PAVEMENT H.M.A. 9.5M64 SURFACE COURSE, 2" THICK HMA MIX 9.5M64, 2" THICK, OVERLAY H.M.A. 19M64 BASE COURSE, 7" THICK DENSE GRADED AGGREGATE BASE COURSE, 8" THICK 95% COMPACTION REQUIRED [CERTIFICATION UPON REQUEST] MILLING, 2" DEPTH EXISTING GROUND BEFORE WIDENING NOTES: 1. PROVIDE SLOPE TOWARDS GUTTER LINE TO ENSURE POSITIVE DRAINAGE. 2. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE. ALL RCA MUST MEET NIDOT SPECIFICATIONS AND BE CERTIFIED BY AN NIDOT APPROVED PLANT OF ORIGIN. ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS. County of Middlesex Department of Infrastructure Management Office of Engineering/Planning/Public Works 75 Bayard St., New Brunswick, NJ 08901 Revisions NO. DATE BY 1 1/16/19 KP TYPICAL COUNTY ROAD WIDENING DETAIL Ronald Sendner Date Licensed Professional Engineer License No. 24GE03162200 Scale: NOT to SCALE Sheet No. 1 of 1 Date: 4/25/17 <u>Ronald Sendner</u> Acting County Engineer N.J. P.E. No. 24GE03162200 *8.1*7.8 Checked By Approved By



NOTES:

- 1. PREFORMED BITUMINOUS CELLULAR TYPE EXPANSION JOINT FILLER (AASHTO M33) 1/2" WIDE IN THE CURB SHALL BE PROVIDED AT APPROXIMATELY EQUAL DISTANCES OF NOT MORE THAN 20' BETWEEN JOINTS, AND SHALL BE FLUSH WITH THE TOP AND FACE OF CURB
- 2. CURB SHALL BE INSTALLED ON TOP OF 5" THICK DENSE GRADED AGGREGATE BEDDING.
- 3. THE COST OF EXPANSION JOINTS IN THE CURB AND DENSE GRADED AGGREGATE BEDDING SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CURB.
- 4, 4" CURB FACE IS PREFERRED
- 5. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE. ALL RCA MUST MEET NIDOT SPECIFICATIONS AND BE CERTIFIED BY AN NIDOT APPROVED PLANT OF ORIGIN. ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS.

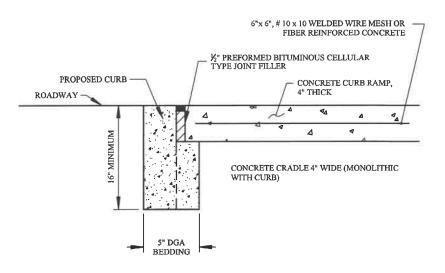
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NOTES:

- 1. UNLESS SPECIFIED ON THE PLANS, USE HEAVY DUTY TRENCH FRAMES WITH GRATE PATTERN NO. 4526A, CAMPBELL FOUNDARY, HARRISON, N.J., OR AN APPROVED EQUAL.
- 2. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE. ALL RCA MUST MEET NIDOT SPECIFICATIONS AND BE CERTIFIED BY AN NIDOT APPROVED PLANT OF ORIGIN. ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS.

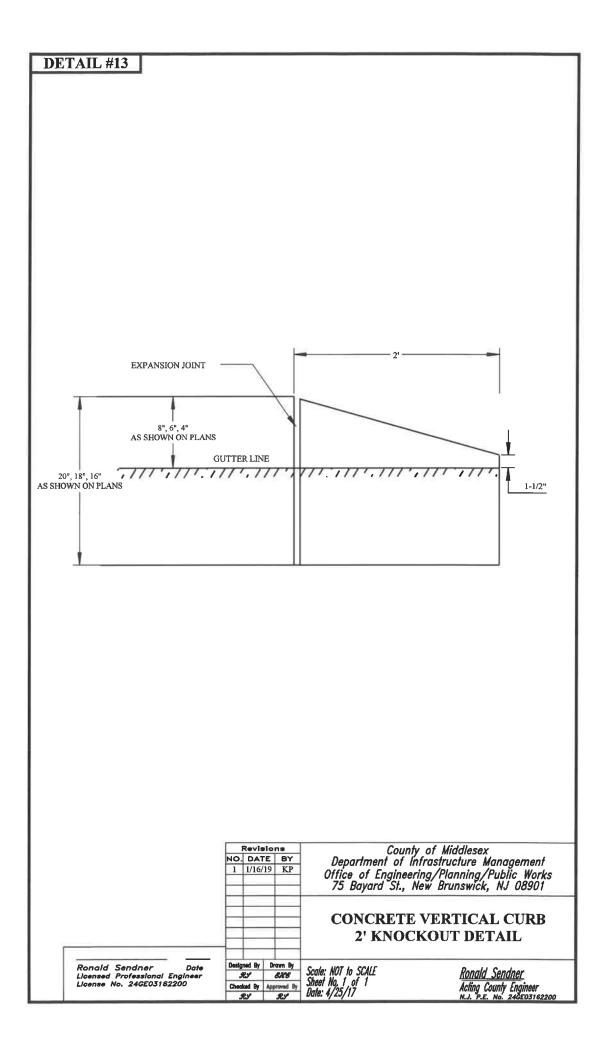
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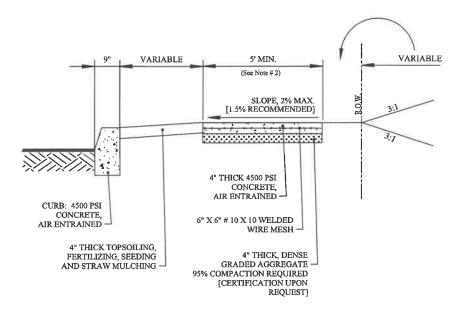


NOTES:

- 1. TRANSVERSE EXPANSION JOINTS, 1/2" WIDE, SHALL BE PROVIDED AT INTERVALS OF NOT MORE THAN 15' AND FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER (AASHTO M33). LONGITUDINAL JOINTS, 1/2" WIDE, SHALL BE PROVIDED BETWEEN CURBS AND ABUTTING SIDEWALKS, AND SHALL BE FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER (AASHTO M33). THE TOP OF ALL JOINT FILLER SHALL BE TRIMMED 1/2" BELOW THE TOP OF THE SIDEWALK AND FILLED WITH JOINT SEALER (SIKAFLEX-1A), OR AN APPROVED EQUAL.
- 2. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE. ALL RCA MUST MEET NIDOT SPECIFICATIONS AND BE CERTIFIED BY AN NIDOT APPROVED PLANT OF ORIGIN. ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS.

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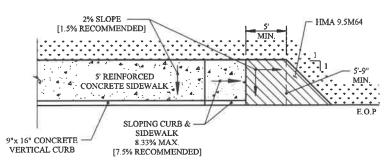




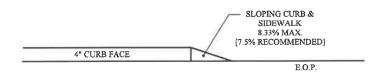
NOTE:

- 1. TRANSVERSE EXPANSION JOINTS, 1/2" WIDE, SHALL BE PROVIDED AT INTERVALS OF NOT MORE THAN 15' AND FILLED WITH PREFORMED BITUMINOUS CELLULAR TYPE JOINT FILLER (AASHTO M33). LONGITUDINAL JOINTS, 1/2" WIDE, SHALL BE PROVIDED BETWEEN CURBS AND ABUTTING SIDEWALKS, AND SHALL BE FILLED WITH PREFORMED BITUMINOUS TYPE JOINT FILLER (AASHTO M33). THE TOP OF ALL JOINT FILLER SHALL BE 1/2" BELOW THE TOP OF THE SIDEWALK AND FILLED WITH JOINT SEALER (SIKAFLEX-1A), OR AN APPROVED EQUAL.
- 2. SIDEWALK WIDTH SHALL BE 5'-0" MINIMUM UNLESS OTHERWISE NOTED ON THE APPROVED PLANS.
- 3. TYPE OF SEEDING SHALL MEET FREEHOLD SOIL CONSERVATION DISTRICT REQUIREMENTS.
- 4. THE COST OF THE EXPANSION JOINT, JOINT FILLER, WELDED WIRE MESH AND DENSE GRADED AGGREGATE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE CONCRETE SIDEWALK.
- 5. IN LIEU OF WELDED WIRE MESH FIBER REINFORCED CONCRETE IS ACCEPTABLE.
- 6. IN LIEU OF DENSE GRADED (DGA), RECYCLED CONCRETE AGGREGATE (RCA) IS ACCEPTABLE. ALL RCA MUST MEET NIDOT SPECIFICATIONS AND BE CERTIFIED BY AN NIDOT APPROVED PLANT OF ORIGIN. ALL RCA SHIPMENTS MUST BE FREE OF FOREIGN MATERIALS AND CONTAMINENTS.

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DETAIL #16 TYPICAL COUNTY CURB INSTALLATION DETAIL - 2' -4" FACE (TYP.) SAW CUT 1' +/- (TYP.) 2 0% SLOPE 1.5% RECOMMENED 2.0% SLOPE vinnininini. POLYMERIZED JOINT ADHESIVE 9" x 16" CONCRETE VERTICAL CURB EXISTING ASPHALT H.M.A. 9.5M64 SURFACE COURSE, 2" THICK H.M.A. 19M64 BASE COURSE, 7" THICK DENSE GRADED AGGREGATE BASE COURSE 8" THICK 95% COMPACTION REQUIRED [CERTIFICATION UPON REQUEST] EXISTING GROUND NOTE: 1. PROVIDE SLOPE TOWARDS GUTTER LINE TO ENSURE POSITIVE DRAINAGE. County of Middlesex Department of Infrastructure Management Office of Engineering/Planning/Public Works 75 Bayard St., New Brunswick, NJ 08901 Revisions NO DATE BY 1 1/16/19 KP TYPICAL COUNTY CURB **INSTALLATION DETAIL**

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