**Concrete or Course Variable Thickness**

<table>
<thead>
<tr>
<th>EXISTING HMA SURFACE</th>
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<td>DENSE GRADED AGGREGATE</td>
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- **8" HMA 12.5M64 BASE COURSE**
- **1/4" RECESS**

**SECTION A-A**

**Typical Concrete Sidewalk**

**SECTION B-B**

**Sidewalk Joint Filler**

**SECTION C-C**

**Typical 9" x 20" Concrete Vertical Curb/Driveway Detail**

**Typical Depressed Curb and Driveway Detail**

**Curb and Sidewalk Notes:**
1. All curbs and ramps shall be constructed of concrete or course variable thickness conforming to AASHO Spec's M-33.
2. Joint closures for curbs shall be constructed of cast-in-place joints with a bond between the curb and concrete base course only.
3. Transverse joints 1/2" wide shall be installed in the curb area at the point of reentrance of the curb along the edges of the pavement.
4. The normal pavement edge profile shall be maintained through the area of the curb ramps.
5. All sidewalk, curb ramps and side ramps shall have a 2% minimum rise.
6. The normal pavement edge profile shall be maintained through the area of the curb ramps.
7. Cost of any dense graded aggregate needed for curb or driveway shall be calculated as indicated on the plans.
8. Concrete curb shall not be constructed from air entrained class B concrete. (NJDOT specs)
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10. Detectable warning surfrace shall be "Armor-Tile" TAC cast-in-place detectable warning surface of the NJDOT standard specifications.
11. All traffic stripes and markings shall be long-life, thermoplastic in accordance with Section 618 - Traffic Stripes and Markings of the NJDOT standard specifications of the standard specifications.
12. Joint sealers shall be installed as indicated on the plans, the manufacturer's recommendation and notes.
13. Single handcripped ramps & cross walk detail:
   - 4'-0" wide min. x 4'-0" long min.
   - 2% slope
14. Double handcripped ramps & cross walk detail:
   - 4'-0" wide min. x 1'-0" long min.
   - 2% slope