



**30' RIGHT OF WAY  
29' ROADWAY SECTION  
SECTION VIEW**

**MINIMUM PAVEMENT DESIGN**

3" S9.5 C  
8" A.B.C.

**NOTES:**

1. THIS CROSS-SECTION MAY BE UTILIZED IN LIEU OF THE STANDARD TWO-WAY RESIDENTIAL ALLEY CROSS-SECTION WHEN COURTYARD/OPEN SPACE WITH PEDESTRIAN FACILITIES IS PROVIDED ON THE OTHER SIDE OF THE UNITS IN LIEU OF A STREET.
2. ALLEYS SHALL CONNECT TO OTHER ALLEYS OR STREETS; THEY SHALL NOT TERMINATE IN A DEAD END.
3. EITHER A NORMAL CROWN OF 0.02' PER FOOT OR A CONTINUOUS SUPERELEVATION OF 0.02 PER FOOT IS ALLOWED. IF THE ALLEY IS SUPERELEVATED, THEN THE CONCRETE BORDER CURB SHALL BE LOCATED ON THE UPHILL SIDE OF THE ALLEY AND TO THE RIGHT OF THE DIRECTION OF TRAVEL. IN THIS CASE, THE ROLLED CURB ON THE UPHILL SIDE OF THE ALLEY IS NO LONGER NEEDED AND MAY BE REMOVED FROM THE CROSS-SECTION (REDUCING THE RIGHT-OF-WAY WIDTH BY 2.5 FEET).
4. PAVEMENT DESIGN SHALL BE REQUIRED AND APPROVED BY NCDOT (FOR NCDOT ROADS) AND/OR CARY PRIOR TO PLACEMENT OF ANY BASE MATERIAL.
5. PAVEMENT DESIGN SHALL BE AS SHOWN OR AS DESIGNED BY GEOTECHNICAL ENGINEER, WHICHEVER IS GREATER.
6. STORMWATER CATCH BASINS SHALL BE PROVIDED AS ILLUSTRATED ON DETAIL 3100.02.
7. DEPENDING ON PUBLIC UTILITY ALIGNMENT, ADDITIONAL EASEMENT MAY BE REQUIRED OUTSIDE OF THE RIGHT-OF-WAY. SEE STANDARD SPECIFICATION 7010.A.1.d FOR EASEMENT WIDTH REQUIREMENTS.

**STANDARD TWO-WAY RESIDENTIAL ALLEY  
FOR COURTYARD-STYLE TOWNHOUSES**

DETAIL No.

3000.25



EFFECTIVE:07/01/24