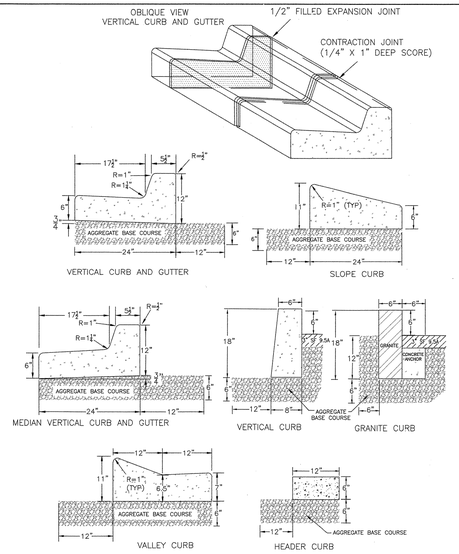
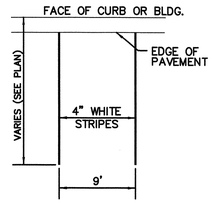


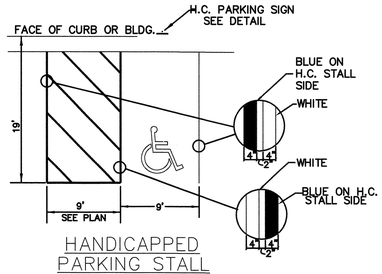
NOTES: 1. EXPANSION JOINT MATERIAL TO COMPLY WITH CURRENT NCDOT STANDARDS
2. 50' MAX EXPANSION JOINT SPACING, 10' MAX CONTRACTION JOINT SPACING
3. MINIMUM INSTALLATION LENGTH IS 5 FT.
4. CONCRETE TO BE 3000 PSI MIN
5. VERTICAL CURB AND GUTTER BASE CAN BE SLOPED 3/4" OR USE A FLAT BASE

DATE: AUGUST, 2011	STANDARD DETAIL	CITY OF WILMINGTON NORTH CAROLINA
DRAWN: PB/JSR	CURBING	CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807
CHECKED: DEC		
SCALE NOT TO SCALE		SD 3-11



TYPICAL PARKING STALL

NOT TO SCALE



HANDICAPPED PARKING STALL

NOT TO SCALE

GENERAL NOTES

1. IN ACCORDANCE WITH N.C.G.S. 136-44.14, ALL STREET CURBS BEING CONSTRUCTED OR RECONSTRUCTED SHALL PROVIDE WHEELCHAIR RAMPS FOR THE PHYSICALLY HANDICAPPED ON EACH SIDE OF ANY STREET OR ROAD, WHERE CURBS AND SIDEWALKS ARE PROVIDED AND AT OTHER MAJOR POINTS OF PEDESTRIAN FLOW.
2. WHEELCHAIR RAMPS SHALL BE LOCATED AS INDICATED IN DETAIL DRAWINGS; HOWEVER, EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. MAY AFFECT PLACEMENT.
3. CURB RAMPS SHALL HAVE DETECTABLE WARNINGS EXTENDING THE FULL WIDTH OF THE RAMP AND A MINIMUM OF 2-FT. IN LENGTH.

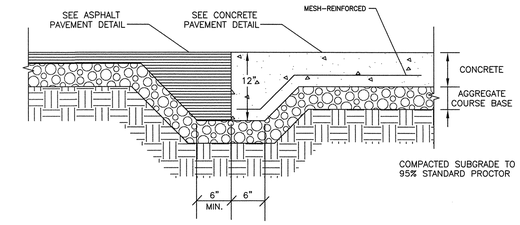
CONSTRUCTION NOTES

1. CONSTRUCTION SHALL CONFORM WITH CONSTRUCTION STANDARDS OF THE GOVERNING BODY WHICH HAS JURISDICTION OF THE PARTICULAR STREET.
2. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED OF CLASS "A" CONCRETE WITH THE SURFACE HAVING A ROUGH, NON-SKID TYPE FINISH.
3. A ½-IN. EXPANSION JOINT SHALL BE REQUIRED WHERE THE CONCRETE WHEELCHAIR RAMP JOINS ANY RIGID PAVEMENT OR STRUCTURE.
4. IN NO CASE SHALL THE WIDTH OF A CURB RAMP OR CURB CUT BE LESS THAN 40-IN. (3-FT, 4-IN.), NOT INCLUDING THE FLARED SIDES.
5. TRANSITIONS FROM RAMPS TO WALKS, GUTTERS OR STREETS SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
6. THE MAXIMUM SLOPE ON THE CURB RAMP RUN IS 1:12.
7. THE MAXIMUM CROSS SLOPE OF THE CURB RAMP IS 1:50.
8. MAXIMUM SLOPES OF ADJOINING GUTTERS, ROAD SURFACE IMMEDIATELY ADJACENT TO THE CURB RAMP, OR ACCESSIBLE ROUTE SHALL NOT EXCEED 1:20.
9. ANY RAISED ISLANDS IN CROSSINGS SHALL BE CUT THROUGH LEVEL WITH THE STREET OR HAVE CURB RAMPS AT BOTH SIDES AND A LEVEL AREA AT LEAST 48-IN. LONG BETWEEN THE CURB RAMPS.
10. DETECTABLE WARNINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9-IN., A HEIGHT OF NOMINAL 0.2-IN. AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.35-IN. AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT.

ADDITIONAL NOTES

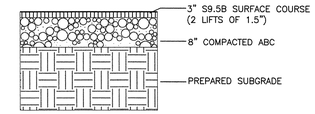
1. STOP BARS SHALL BE USED WHERE IT IS IMPORTANT TO INDICATE THE POINT BEHIND WHICH VEHICLES ARE REQUIRED TO STOP IN COMPLIANCE WITH A TRAFFIC SIGNAL, STOP SIGN OR OTHER LEGAL REQUIREMENT.
2. PARKING SHALL BE ELIMINATED A MINIMUM OF 20 FEET BACK OF THE PEDESTRIAN CROSSWALK.
3. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION. THIS DOCUMENT IS AVAILABLE FROM THE SUPERINTENDENT OF DOCUMENTS, U.S. GOVERNMENT PRINTING OFFICE, WASHINGTON, D.C. 20402.
4. CURB RAMPS AT MARKED CROSSINGS SHALL BE WHOLLY CONTAINED WITHIN THE MARKINGS, EXCLUDING ANY FLARED SIDES.
5. THE BOTTOM OF DIAGONAL (CORNER TYPE) CURB RAMPS AT MARKED CROSSINGS SHALL HAVE 48-IN. MINIMUM CLEAR SPACE WITHIN THE MARKINGS.
6. IF DIAGONAL CURB RAMPS HAVE FLARED SIDES, THEY SHALL HAVE AT LEAST A 24-IN. LONG SEGMENT OF STRAIGHT CURB LOCATED ON EACH SIDE OF THE CURB RAMP AND WITHIN THE MARKED CROSSING.

SD 8-09



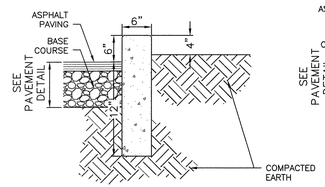
ASPHALT TO CONCRETE TRANSITION

NOT TO SCALE



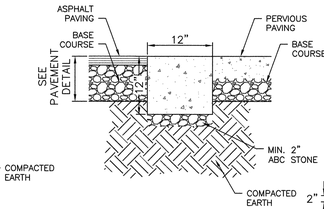
ASPHALT PAVEMENT SECTION (PUBLIC STREET)

NOT TO SCALE



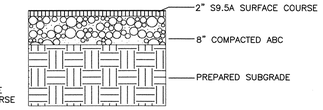
CONCRETE EXTRUDED CURB DETAIL

NOT TO SCALE



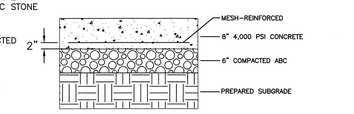
12" RIBBON CURB DETAIL

NOT TO SCALE



ASPHALT PAVEMENT SECTION (PRIVATE STREET)

NOT TO SCALE



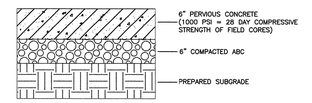
PAVEMENT SHALL BE CONSTRUCTED OF 4,000 PSI CONCRETE. REINFORCEMENT SHALL BE WELDED WIRE FABRIC SPACED 6" O. C. BOTH DIRECTIONS, AS INDICATED BELOW. SURFACE FINISHES AND JOINTS SHALL BE AS INDICATED IN SPECIFICATIONS.

CONCRETE PAVEMENT SECTION (DUMPSTER PAD)

NOT TO SCALE

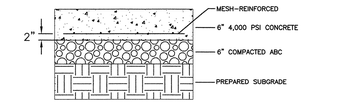
NOTES:

1. CURB TO BE CONSTRUCTED IN 10 FT. LENGTHS.
2. 1/2" EXPANSION JOINTS SHALL BE PROVIDED AT INTERVALS NOT TO EXCEED 50 FEET, AT THE ENDS AND MID-POINT OF RETURNS AND AT ANY OTHER POINT WHERE THE NEW CURB AND GUTTER ABUTS OTHER CONCRETE SURFACES.



PERVIOUS PAVEMENT SECTION (PARKING STALLS)

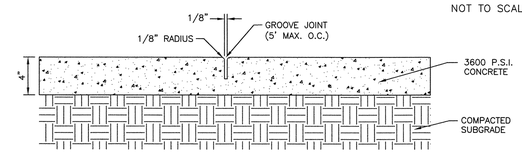
NOT TO SCALE



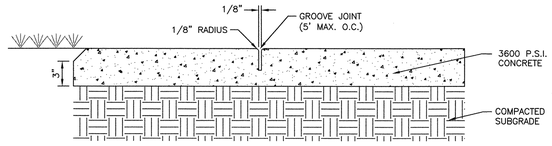
PAVEMENT SHALL BE CONSTRUCTED OF 4,000 PSI CONCRETE. REINFORCEMENT SHALL BE WELDED WIRE FABRIC SPACED 6" O. C. BOTH DIRECTIONS, AS INDICATED BELOW. SURFACE FINISHES AND JOINTS SHALL BE AS INDICATED IN SPECIFICATIONS.

CONCRETE PAVEMENT SECTION (LIGHT DUTY)

NOT TO SCALE



CONCRETE SIDEWALK DETAIL



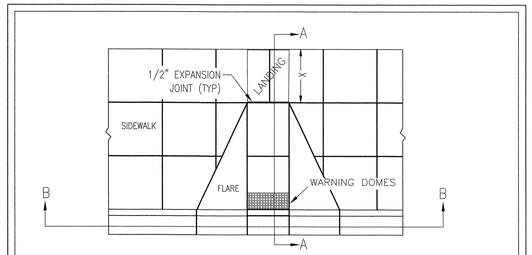
SIDEWALK ADJACENT TO GRASSED AREAS AND PLANTERS

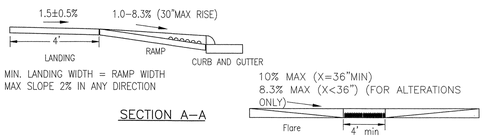
GENERAL NOTES:

1. A GROOVE JOINT 1" DEEP WITH 1/8" RADII SHALL BE REQUIRED IN THE CONCRETE SIDEWALK AT 5' INTERVALS.
2. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 45' INTERVALS.
3. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK ABUTS ANY CURB AND GUTTER AND ANY RIGID STRUCTURES.
4. IN SIDEWALKS AND PLAZA AREAS EXPANSION JOINTS ARE REQUIRED AT NO GREATER THAN 30' INTERVALS.
5. CONCRETE SHALL BE 3600 PSI. IN 28 DAYS.

CONCRETE SIDEWALK DETAIL

NOT TO SCALE

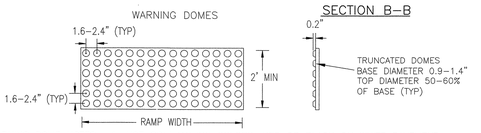




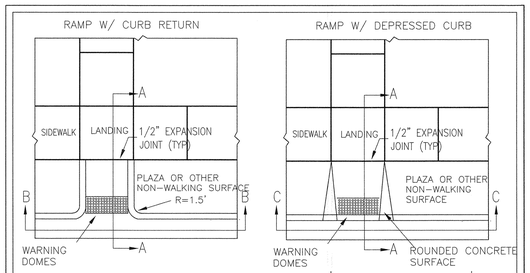
MIN. LANDING WIDTH = RAMP WIDTH
MAX SLOPE 2% IN ANY DIRECTION

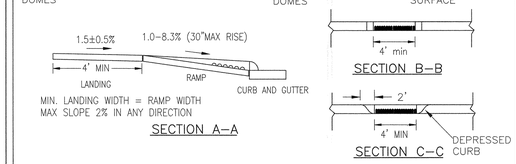
SECTION A-A

SECTION B-B



WARNING DOME NOTES:
1. USE CONTRASTING COLORS, RED OR BLACK ON WHITE PAVEMENT.
2. USE CAST IN PLACE PAVERS FOR NEW CONSTRUCTION.
3. RUBBER MATS ARE PERMITTED FOR RETROFITS.
4. LANDING AND RAMP WIDTH MAY BE REDUCED TO 3' WHERE SPACE IS LIMITED AND DESIGN IS APPROVED BY THE CITY ENGINEER.



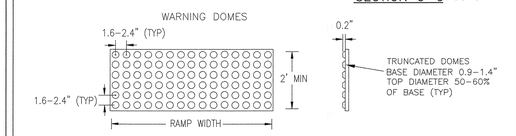


MIN. LANDING WIDTH = RAMP WIDTH
MAX SLOPE 2% IN ANY DIRECTION

SECTION A-A

SECTION B-B

SECTION C-C



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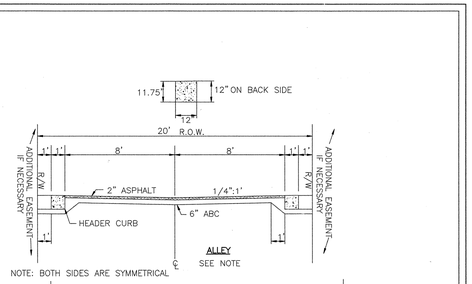
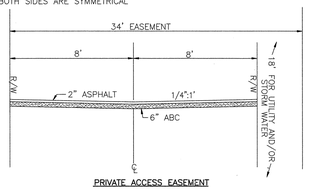


NOTE: BOTH SIDES ARE SYMMETRICAL



PRIVATE ACCESS EASEMENT

SEE NOTES

ALLEY NOTES:
1. NOT TO CONTAIN WATER AND SEWER UTILITY LINES

PRIVATE ACCESS EASEMENT NOTES:
1. 400' MAXIMUM LENGTH TO FURTHEST UNIT FROM PUBLIC STREET.
2. SERVES A MAXIMUM OF 4 SINGLE FAMILY OR DUPLEX UNITS.
3. 23' WIDTH REQUIRED AT STREET INTERSECTION.

DATE: OCTOBER, 2012	STANDARD DETAIL	CITY OF WILMINGTON NORTH CAROLINA
DRAWN BY JSR/CMR	ALLEY & PRIVATE ACCESS EASEMENT SECTIONS W/HEADER CURB, RESIDENTIAL	CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON, NC 28402 (910) 341-7807
CHECKED BY B.P., P.E.		
SCALE NOT TO SCALE		SD 1-14

DATE: DECEMBER, 2010	STANDARD DETAIL	CITY OF WILMINGTON NORTH CAROLINA
DRAWN: PB/JSR	PERPENDICULAR CURB RAMP ADJACENT TO WALKING SURFACE	CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807
CHECKED: DEC		
SCALE NOT TO SCALE		SD 3-07

DATE: DECEMBER, 2010	STANDARD DETAIL	CITY OF WILMINGTON NORTH CAROLINA
DRAWN: PB/JSR	PERPENDICULAR CURB RAMP ADJACENT TO PLAZA	CITY OF WILMINGTON ENGINEERING PO BOX 1810 WILMINGTON N.C. 28402 (910) 341-7807
CHECKED: DEC		
SCALE NOT TO SCALE		SD3-08

REV.NO.	DESCRIPTIONS	DATE
A	CITY OF WILMINGTON TRC SUBMITTAL	04/08/2015

REVISIONS

SEAL: FINAL DRAWINGS DO NOT USE FOR CONSTRUCTION

SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 035107 CIVIL NICHOLAS J. LAURITTA 04/08/15

McKIM&CREED
243 North Front Street
Wilmington, North Carolina 28401
Phone: (910)343-1048, Fax: (910)251-8282
License: F-1222
www.mckimcreed.com

NASH — NORTH AMERICA SEKISUI HOUSE, LLC

RIVERLIGHTS™ by Newland COMMUNITIES

RIVERLIGHTS MARINA VILLAGE

SITE DETAILS

DATE:	08APR15
MCE PROJ. #	2735-0124
DRAWN	EEM
DESIGNED	EEM
CHECKED	RMC
PROJ. MGR.	NJL

SCALE: HORIZONTAL: -- VERTICAL: --

M&C FILE NUMBER CS-501

DRAWING NUMBER 19

19 OF 28

STATUS: FINAL DESIGN — NOT FOR CONSTRUCTION

REVISION A