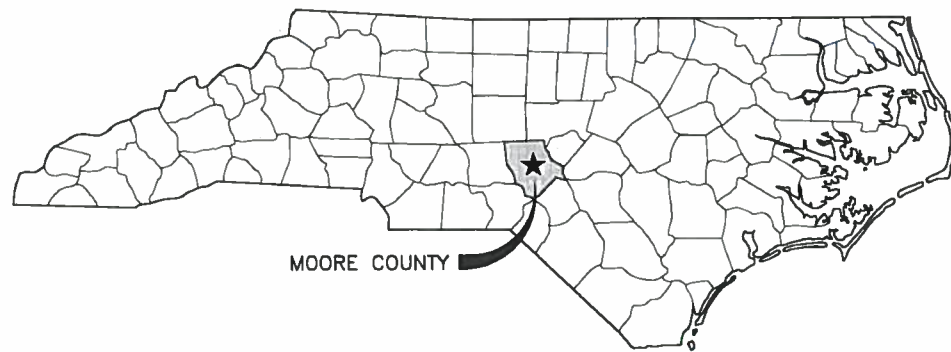


SIDEWALK IMPROVEMENTS FOR THE TOWN OF TAYLORTOWN MOORE COUNTY, NORTH CAROLINA



COUNTY LOCATION MAP
NTS

- Mayor - Ulysses S. Barrett Jr.
- Councilman - James L. Thompson
- Councilman - Marvin Taylor
- Councilman - Mitchell Ratcliff
- Councilman - Jeffery Moody

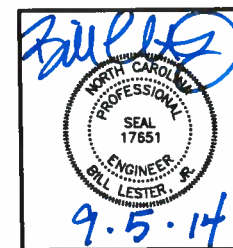
INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	PLAN SHEET
3	PLAN SHEET
4	MISCELLANEOUS DETAILS
5	MISCELLANEOUS DETAILS
6	MISCELLANEOUS DETAILS
7	MISCELLANEOUS DETAILS
8	MISCELLANEOUS DETAILS



PROJECT VICINITY MAP

Scale: As Shown



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Planning*

LKC Engineering, pllc
140 Aqua Shed Court
Aberdeen, NC 28315
O: 910.420.1437
F: 910.637.0096
lkceengineering.com
License No. P-1095

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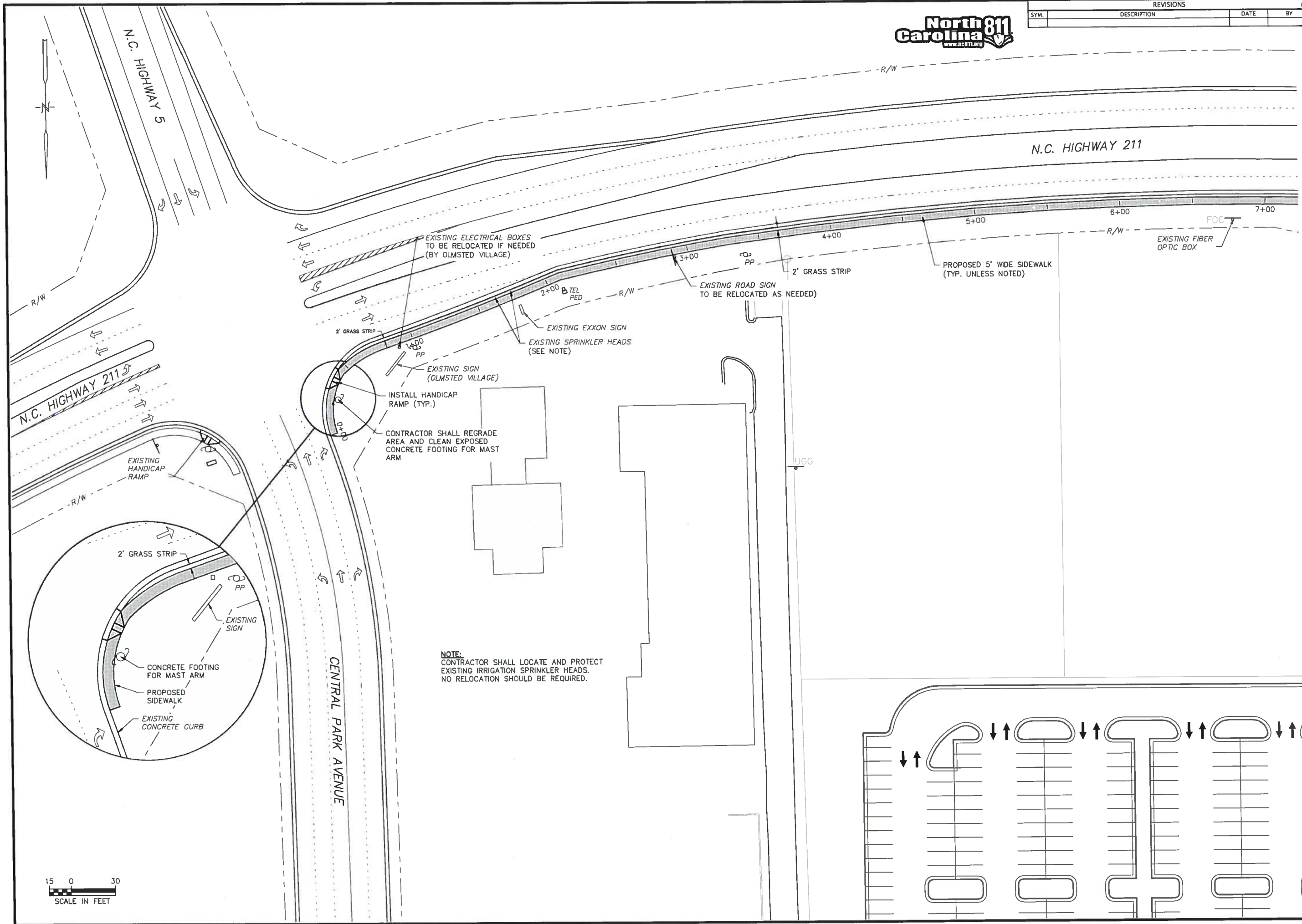
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Planning

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PLAN SHEET

SIDEWALK IMPROVEMENTS
FOR THE
TOWN OF TAYLORTOWN
MOORE COUNTY, NORTH CAROLINA

DATE: AUGUST, 2014
DESIGNED: BGL
DRAWN: AGP
CHECKED: BGL
NO. 2



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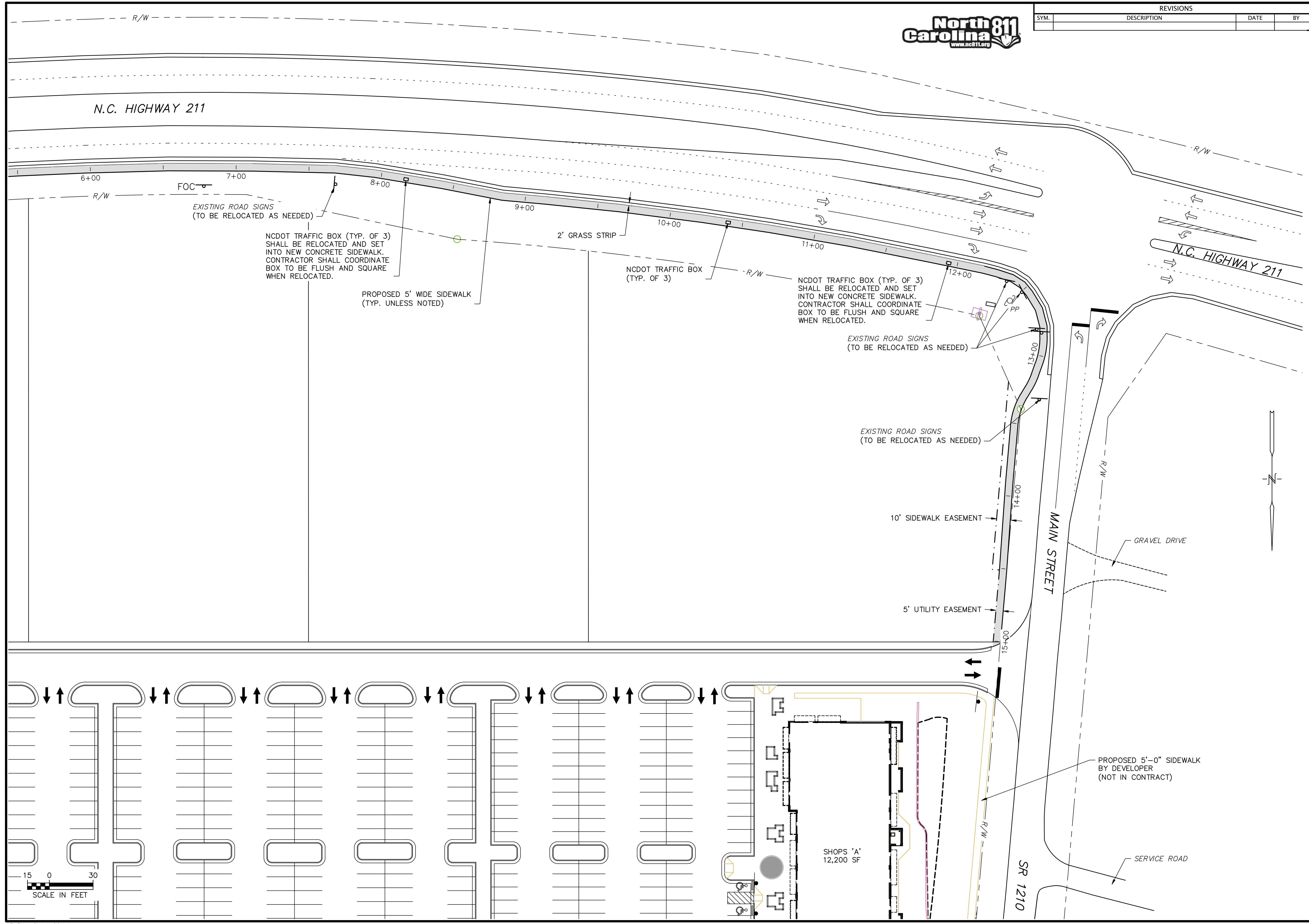
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PLAN SHEET

SIDEWALK IMPROVEMENTS
FOR THE
TOWN OF TAYLORTOWN
MOORE COUNTY, NORTH CAROLINA

DATE: AUGUST, 2014
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CHECKED: BGL
NO.



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 RALEIGH, N.C.

7-06

ENGLISH STANDARD DRAWING FOR
CONCRETE SIDEWALK

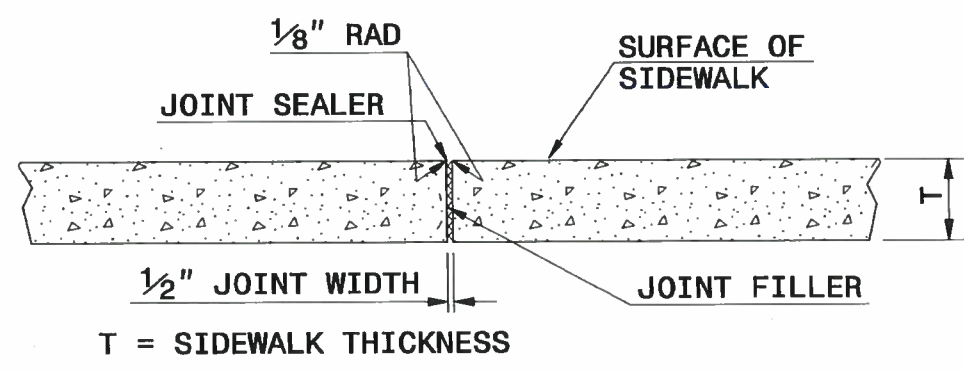
SHEET 1 OF 1
848.01

NOTES:

CONSTRUCT STANDARD SIDEWALK 5' WIDE AND 4" THICK UNLESS OTHERWISE DENOTED ON PLANS.

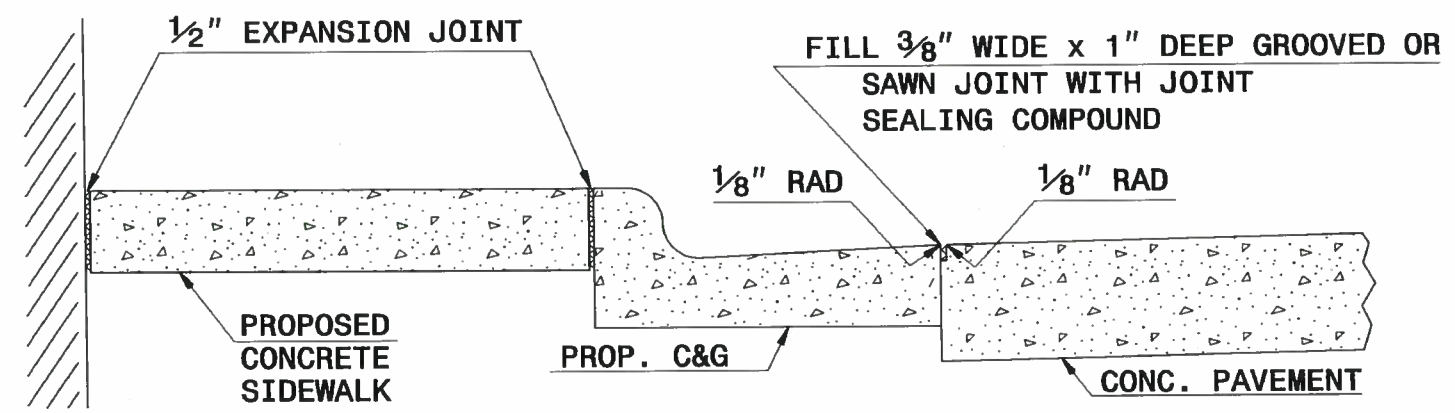
PLACE A GROOVE JOINT 1" DEEP WITH 1/8" RADII IN THE CONCRETE SIDEWALK AT 5' INTERVALS. ONE 1/2" EXPANSION JOINT WILL BE REQUIRED AT 50' INTERVALS. A 1/2" EXPANSION JOINT WILL BE REQUIRED WHERE THE SIDEWALK JOINS ANY RIGID STRUCTURE.

SEE STD. DWG. 848.05 FOR WHEELCHAIR RAMP LOCATION REQUIREMENTS AND CONSTRUCTION GUIDELINES.

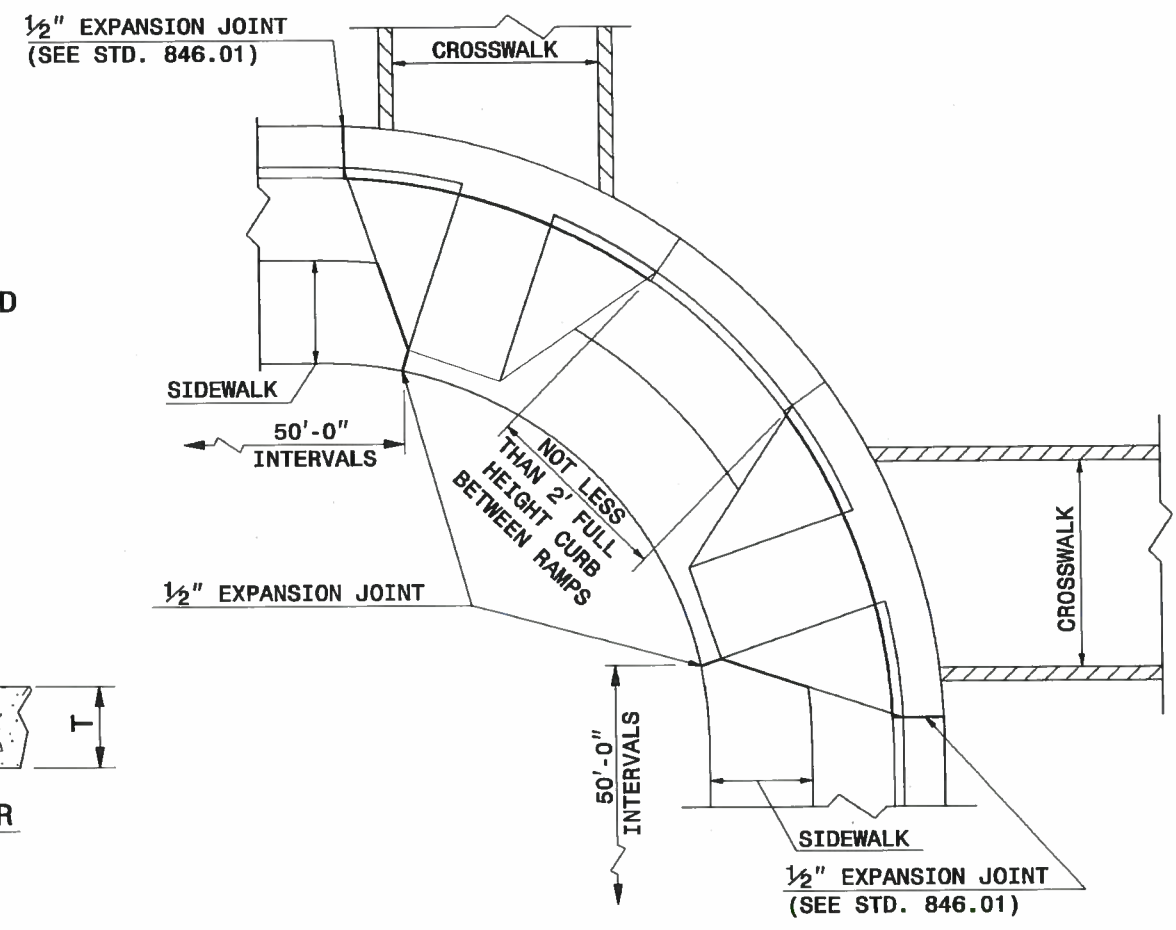


TRANSVERSE EXPANSION JOINT IN SIDEWALK

NO EXPANSION JOINT REQUIRED FOR GRASS AND ASPHALT. SHALL BE REQUIRED FOR CONCRETE ABUTMENT.



DETAILS SHOWING JOINTS IN CONCRETE SIDEWALK



PLAN VIEW

STATE OF NORTH CAROLINA
 DEPT. OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 RALEIGH, N.C.

7-06

ENGLISH STANDARD DRAWING FOR
CONCRETE SIDEWALK

SHEET 1 OF 1
848.01

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 140 Aqua Shed Court
 Aberdeen, NC 28315
 O: 910.420.1437
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MISCELLANEOUS DETAILS

SIDEWALK IMPROVEMENTS
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L:\Town-14.02_Sidewalk Improvements\800 - Drawings\B10-DESIGN DRAWINGS\Miscellaneous Detail Sheets.dwg, Last Saved By: ANDY PATTERSON, 8/9/2014 4:33:15 PM; DET1; Plotted By: Andy Patterson, 08/25/14 04:01:41 PM
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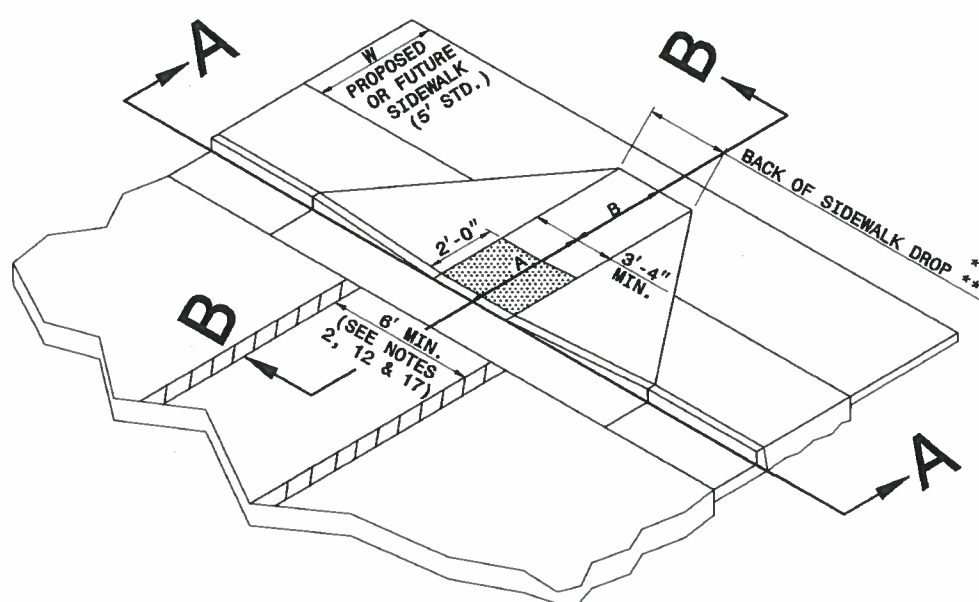
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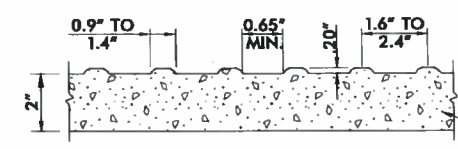
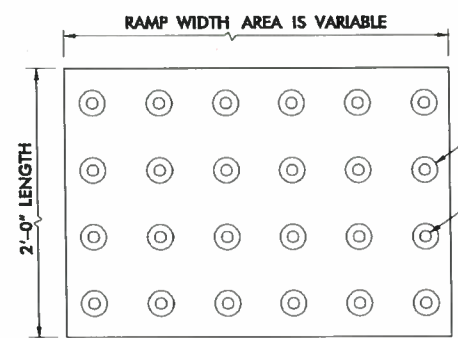
7-06

ENGLISH STANDARD DRAWING FOR
WHEELCHAIR RAMP
CURB CUT



ISOMETRIC VIEW

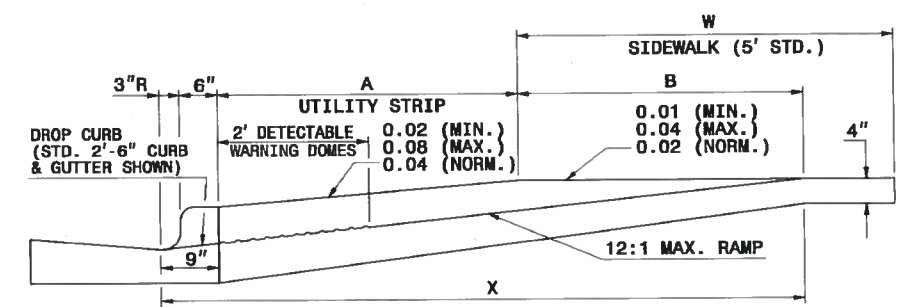
- NOTES:
1. DETECTABLE WARNING DOMES SHALL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
 2. OBTAIN 70% CONTRAST VISIBILITY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



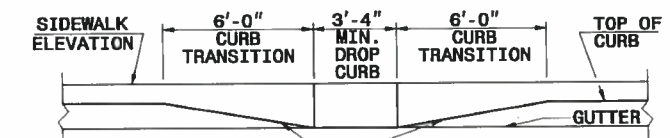
DETECTABLE WARNING DOMES

W	A	W+A+9"	X	B
5'	0.0'	5.8'	5.8'	5.0'*
6'	0.0'	6.8'	6.8'	6.0'**
7'	0.0'	7.8'	7.3'	6.5'**
8'	0.0'	8.8'	7.3'	6.5'**
5'	2.0'	7.8'	7.8'	5.0'
5'	2.5'	8.3'	8.1'	4.8'
5'	3.0'	8.8'	8.3'	4.4'
5'	3.5'	9.3'	8.4'	4.1'
5'	4.0'	9.8'	8.6'	3.8'
5'	4.5'	10.3'	8.7'	3.4'
5'	5.0'	10.8'	8.9'	3.1'

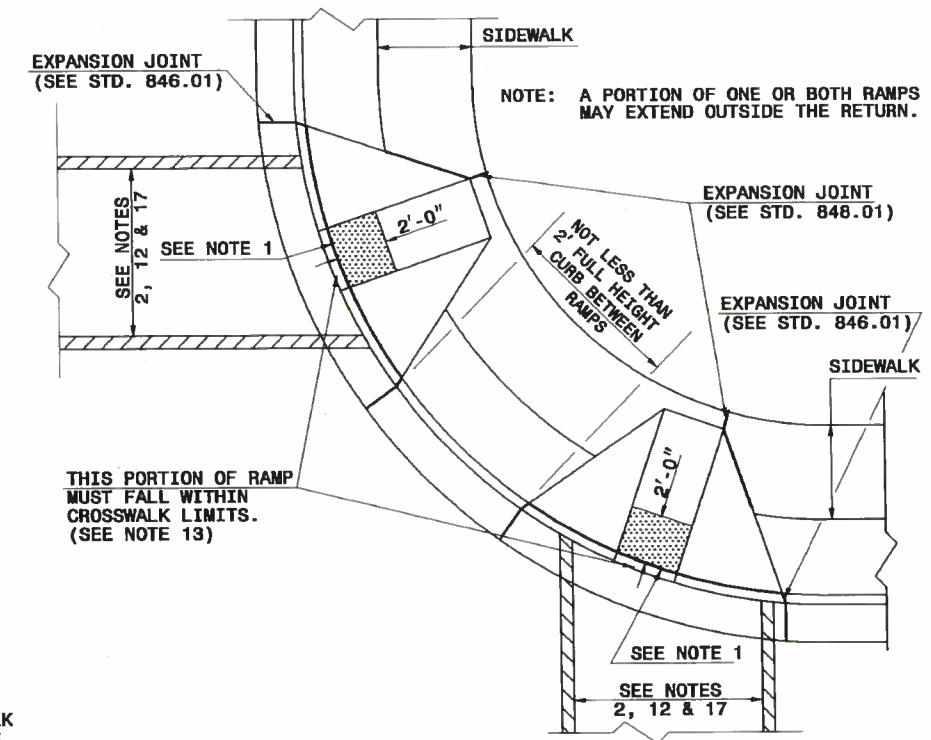
$B = X - (A + 9")$
 B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK POINT OF 12:1 (8.33%) SLOPE.
 * BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES.
 ** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPES 0.04.



SECTION B-B



SECTION A-A



PLAN VIEW

DUAL RAMPS
ANY RADII
(40" MIN. FLOOR WIDTH)

STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

ENGLISH STANDARD DRAWING FOR
WHEELCHAIR RAMP
CURB CUT

SHEET 1 OF 4
848.05

LKC Engineering, pllc
140 Aqua Shed Court
Aberdeen, NC 28315
O: 910.420.1437
F: 910.637.0096
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MISCELLANEOUS DETAILS

SIDEWALK IMPROVEMENTS
FOR THE
TOWN OF TAYLORTOWN
MOORE COUNTY, NORTH CAROLINA

DATE: AUGUST, 2014
DESIGNED: BGL
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CHECKED: BGL
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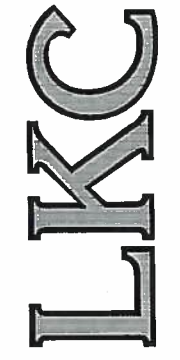
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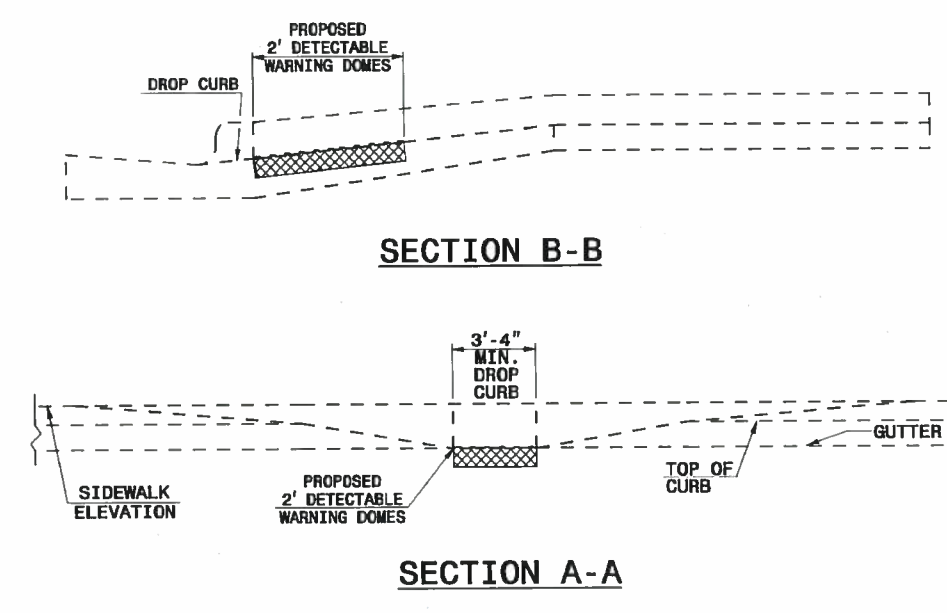
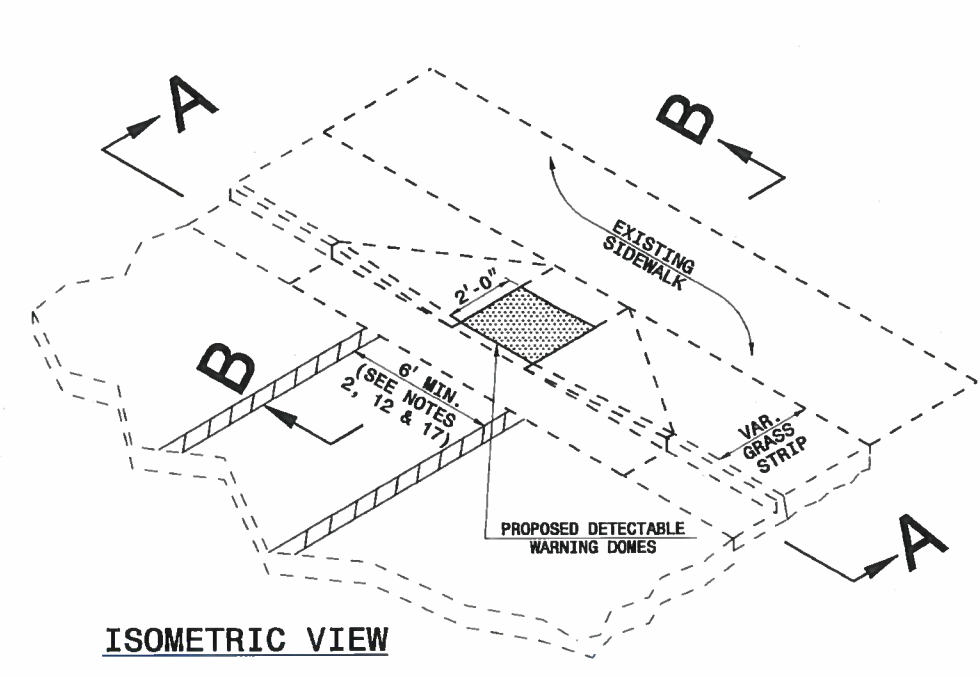
ENGLISH STANDARD DRAWING FOR
**RETROFITTING DETECTABLE WARNING DOMES
 ONTO EXISTING WHEELCHAIR RAMP**
 CURB CUT

SHEET 2 OF 4
848.05

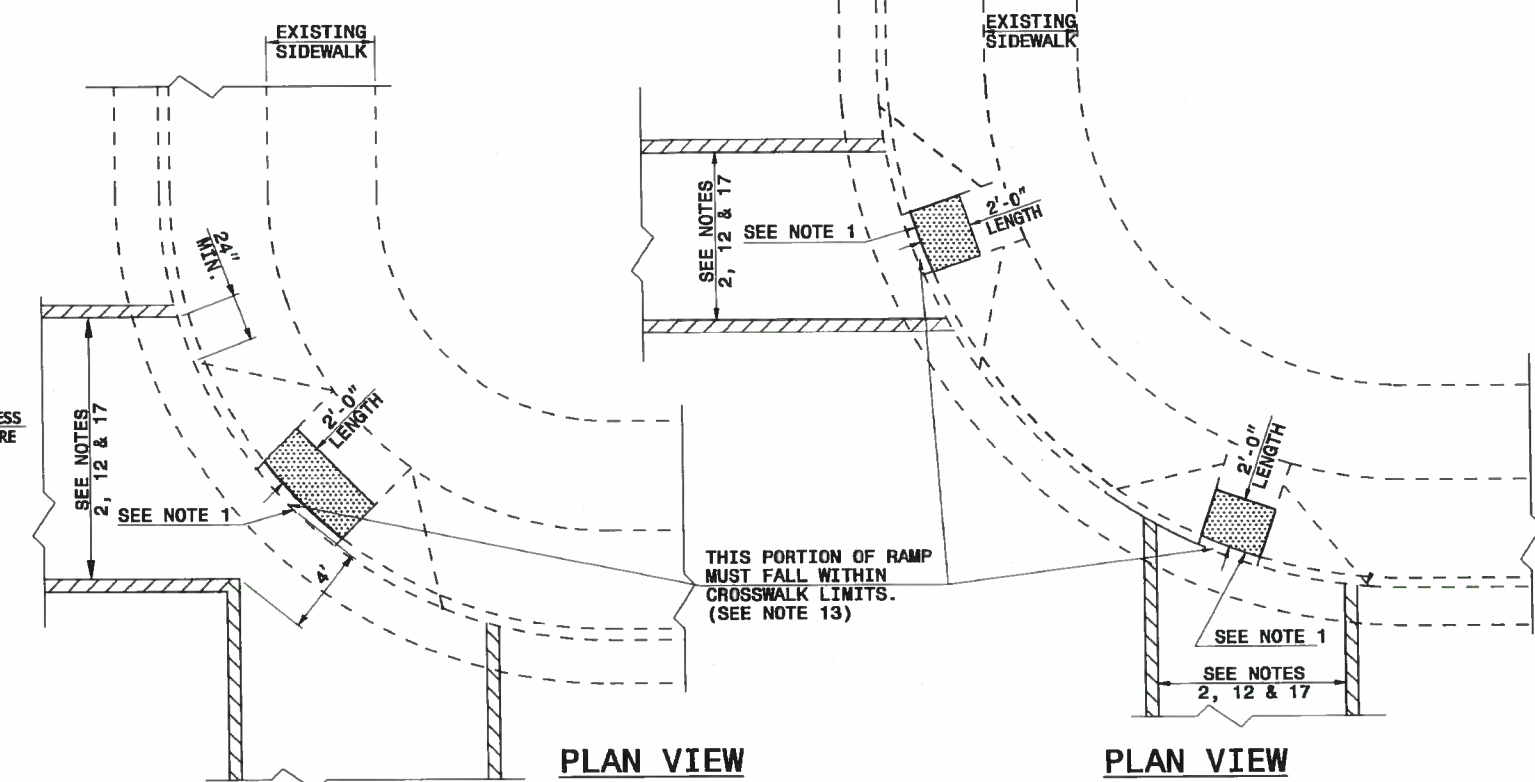
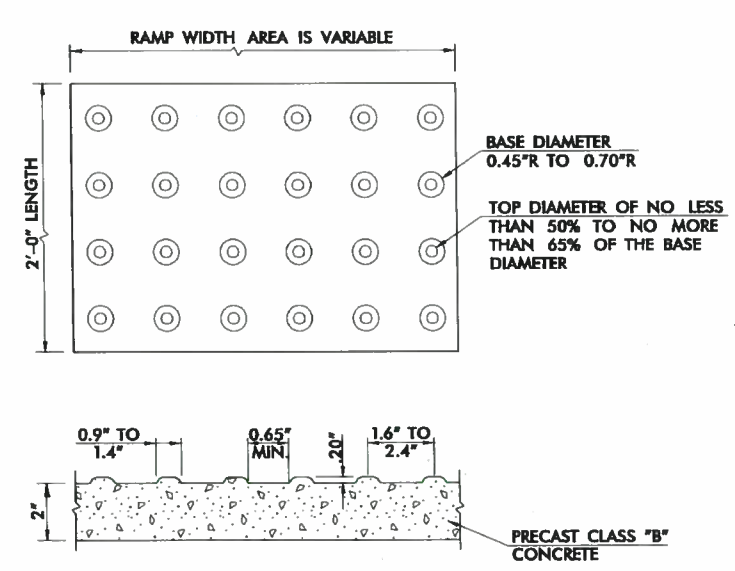
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ENGLISH STANDARD DRAWING FOR
**RETROFITTING DETECTABLE WARNING DOMES
 ONTO EXISTING WHEELCHAIR RAMP**
 CURB CUT

SHEET 2 OF 4
848.05



- NOTES:
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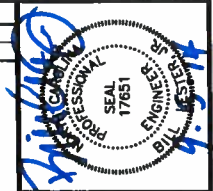
PLAN VIEW
 DIAGONAL RAMP
 MAX. 25' RADII
 (60" MIN. FLOOR WIDTH)

PLAN VIEW
 DUAL RAMP
 ANY RADII
 (40" MIN. FLOOR WIDTH)

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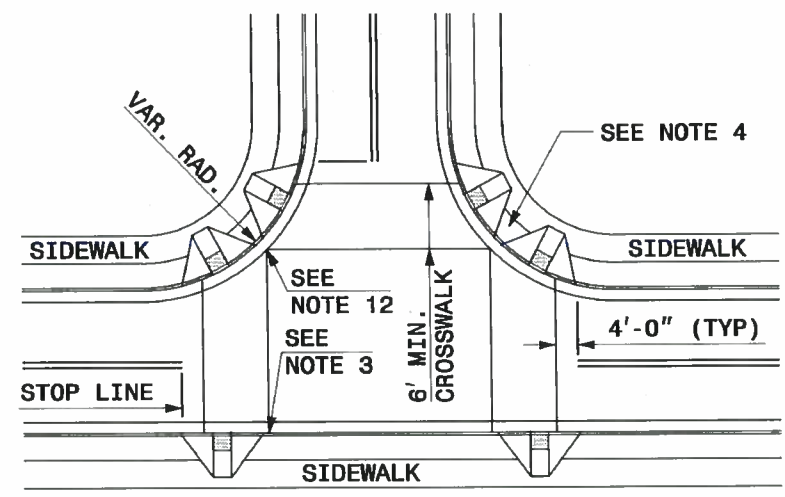
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7-06

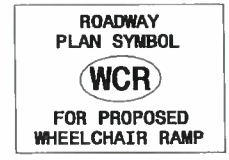
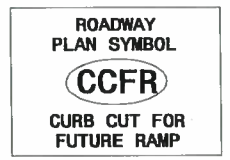
ENGLISH STANDARD DRAWING FOR
WHEELCHAIR RAMP
 CURB CUT

SHEET 3 OF 4

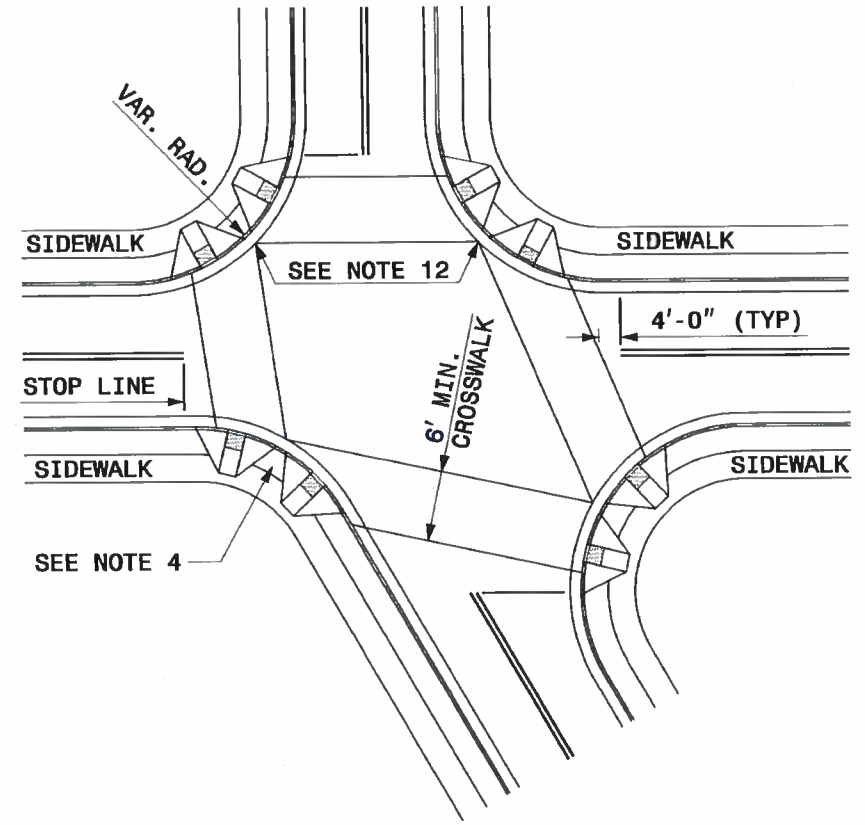
848.05



DETAIL SHOWING TYPICAL LOCATION OF WHEELCHAIR RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES FOR TEE INTERSECTIONS



ALLOWABLE LOCATIONS
 DUAL RAMP RADII.....ANY



DETAIL SHOWING TYPICAL LOCATION OF WHEELCHAIR RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES

STATE OF NORTH CAROLINA
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 RALEIGH, N.C.

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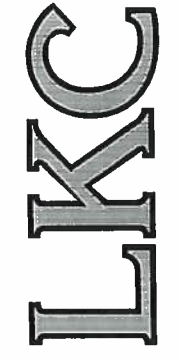
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SHEET 3 OF 4

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 140 Aqua Shed Court
 Aberdeen, NC 28315
 O: 910.420.1437
 F: 910.637.0096
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MISCELLANEOUS DETAILS

SIDEWALK IMPROVEMENTS
 FOR THE
 TOWN OF TAYLORTOWN
 MOORE COUNTY, NORTH CAROLINA

DATE: AUGUST, 2014
DESIGNED: BGL
DRAWN: ACP
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 RALEIGH, N.C.

7-06

ENGLISH STANDARD DRAWING FOR
WHEELCHAIR RAMP
 CURB CUT

SHEET 4 OF 4
848.05

NOTES:

1. CONSTRUCT THE WALKING SURFACE WITH SLIP RESISTANTANCE AND A 70% CONTRASTING COLOR TO THE SIDEWALK.
2. CROSSWALK WIDTHS AND CONFIGURATION VARY BUT MUST CONFORM TO TRAFFIC DESIGN STANDARDS.
3. NORTH CAROLINA GENERAL STATUTE 136-44.14 REQUIRES THAT ALL STREET CURBS BEING CONSTRUCTED OR RECONSTRUCTED FOR MAINTENANCE PROCEDURES, TRAFFIC OPERATIONS, REPAIRS, CORRECTION OF UTILITIES OR ALTERED FOR ANY REASON AFTER SEPTEMBER 1, 1973 SHALL PROVIDE WHEELCHAIR RAMPS FOR THE PHYSICALLY DISABLED AT ALL INTERSECTIONS WHERE BOTH CURB AND GUTTER AND SIDEWALKS ARE PROVIDED AND AT OTHER POINTS OF PEDESTRIAN FLOW.

 IN ADDITION, SECTION 228 OF THE 1973 FEDERAL AID HIGHWAY SAFETY ACT REQUIRES PROVISION OF CURB RAMPS ON ANY CURB CONSTRUCTION AFTER JULY 1, 1976 WHETHER A SIDEWALK IS PROPOSED INITIALLY OR IS PLANNED FOR A FUTURE DATE.

 THE AMERICANS WITH DISABILITIES ACT (ADA) OF 1990 EXTENDS TO INDIVIDUALS WITH DISABILITIES. COMPREHENSIVE CIVIL RIGHTS PROTECTIONS SIMILIAR TO THOSE PROVIDED TO PERSONS ON THE BASIS OF RACE, SEX, NATIONAL ORIGIN AND RELIGION UNDER THE CIVIL RIGHTS ACT OF 1964. THESE CURB RAMPS HAVE BEEN DESIGNED TO COMPLY WITH THE CURRENT ADA STANDARDS.
4. PROVIDE WHEELCHAIR RAMPS AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. LOCATE WHEELCHAIR RAMPS AS DIRECTED BY THE ENGINEER WHERE EXISTING LIGHT POLES, FIRE HYDRANTS, DROP INLETS, ETC. AFFECT PLACEMENT. WHERE TWO RAMPS ARE INSTALLED PLACE NOT LESS THAN 2 FEET OF FULL HEIGHT CURB BETWEEN THE RAMPS. PLACE DUAL RAMPS AS NEAR PERPENDICULAR TO THE TRAVEL LANE BEING CROSSED AS POSSIBLE.
5. PAY FOR ALL VARIABLE DEPTH CONCRETE USED FOR CONSTRUCTION OF WHEELCHAIR RAMPS AS CONCRETE WHEELCHAIR RAMPS. (SQ. YDS.)
6. PAY FOR ALL DEPRESSED CURBS AT WHEELCHAIR RAMPS AS THE TYPE CURB AND GUTTER USED ADJACENT TO DEPRESSED CURB. (LN. FT.)
7. SUCH PRICES AND PAYMENTS IS CONSIDERED FULL COMPENSATION FOR ALL MATERIALS, LABOR, EQUIPMENT, TOOLS AND INCIDENTALS NECESSARY TO SATISFACTORILY COMPLETE THE WORK.
8. DO NOT EXCEED 0.08 (12:1) SLOPE ON THE WHEELCHAIR RAMP IN RELATIONSHIP TO THE GRADE OF THE STREET.
9. CONSTRUCT WHEELCHAIR RAMPS 40" (3'-4") OR GREATER FOR DUAL RAMPS.
10. USE CLASS "B" CONCRETE WITH A SIDEWALK FINISH IN ORDER TO OBTAIN A ROUGH NON-SKID TYPE SURFACE.
11. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE WHEELCHAIR RAMP JOINS THE CURB AND AS SHOWN ON STD. DWG. 848.01.
12. PLACE THE INSIDE PEDESTRIAN CROSSWALK LINES NO CLOSER IN THE INTERSECTION BY BISECTING THE INTERSECTION RADII, WITH ALLOWANCE OF A 4' CLEAR ZONE IN THE VEHICULAR TRAVELWAY WHEN ONE RAMP IS INSTALLED. (SEE NOTE 17)
13. COORDINATE THE CURB CUT AND THE PEDESTRIAN CROSSWALK LINES SO THE FLOOR OF THE WHEELCHAIR RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES. PLACE DIAGONAL RAMPS WITH FLARED SIDES SO 24" OF FULL HEIGHT CURB FALLS WITHIN THE CROSSWALK MARKINGS ON EACH SIDE OF THE FLARES.
14. CONSTRUCT THE PEDESTRIAN CROSSWALK A MINIMUM OF 6 FEET. A CROSSWALK WIDTH OF 10 FEET OR GREATER IS DESIRABLE.
15. USE STOP LINES, NORMALLY PERPENDICULAR TO THE LANE LINES, 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. AN UNUSUAL APPROACH SKEW MAY REQUIRE THE PLACEMENT OF THE STOP LINE TO BE PARALLEL TO THE INTERSECTING ROADWAY.
16. TERMINATE PARKING A MINIMUM OF 20 FEET BACK OF PEDESTRIAN CROSSWALK.
17. PLACE ALL PAVEMENT MARKINGS IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION AND THE NORTH CAROLINA SUPPLEMENT TO THE MUTCD.

STATE OF NORTH CAROLINA
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ENGLISH STANDARD DRAWING FOR
WHEELCHAIR RAMP
 CURB CUT

SHEET 4 OF 4
848.05

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