

09/08/19

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CRAVEN COUNTY

LOCATION: INTERSECTIONS ALONG FIRST STREET (NC55)
AND SR1111 (OLD AIRPORT RD) AT AUSTIN ROAD

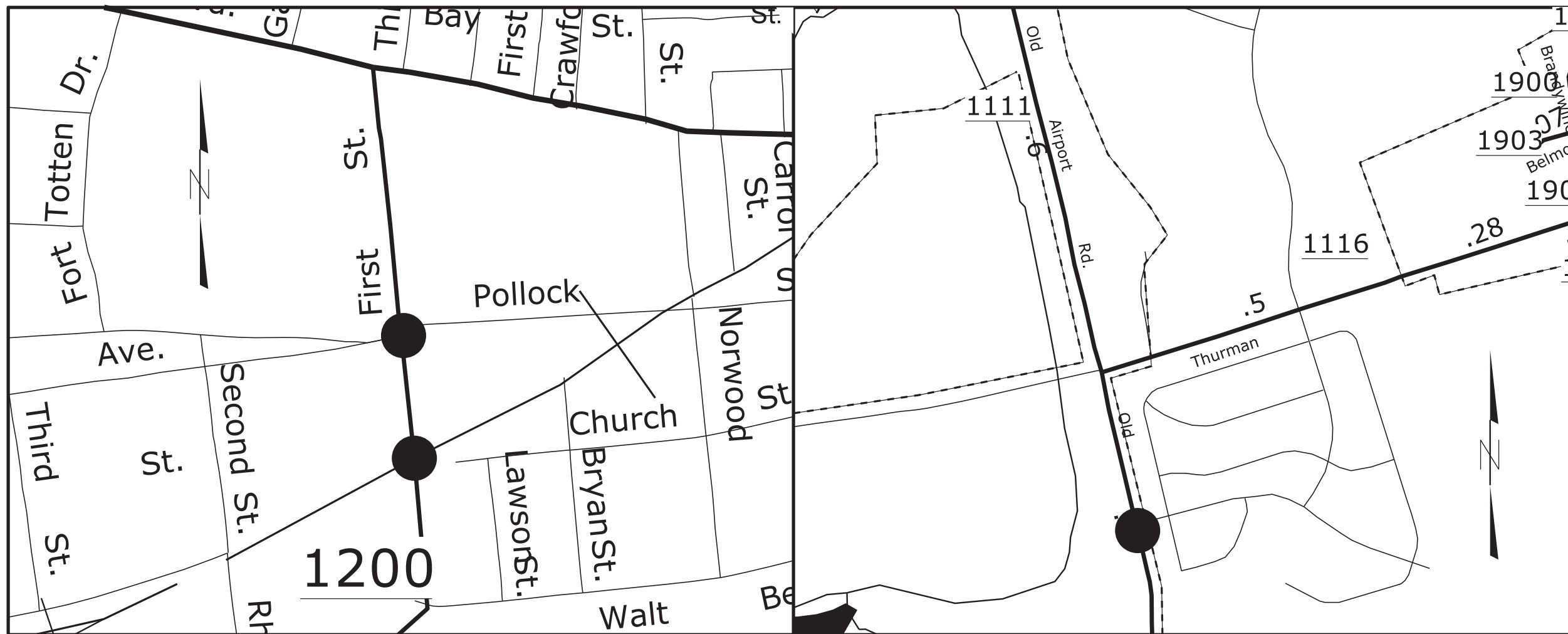
TYPE OF WORK: CURB RAMP INSTALLATION

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5782B	1	12
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
44912.3.3	TAP-0220 (080)	CONST	



TIP PROJECT: R-5782B

CONTRACT: DB00317



See Sheet 1-A For Index of Sheets

GRAPHIC SCALES



PROJECT LENGTH

LENGTH ROADWAY PROJECT R-5782B = 0.047 MI

Prepared In the Office of:
DIVISION OF HIGHWAYS
1701 W 5TH ST., WASHINGTON NC 27889

2012 STANDARD SPECIFICATIONS

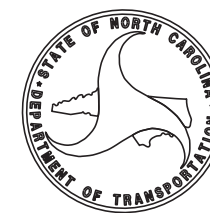
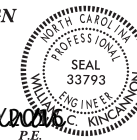
RIGHT OF WAY DATE: WILLIAM C KINCANNON, PE
PROJECT ENGINEER

LETTING DATE: DECEMBER 2016
PROJECT DESIGN ENGINEER

ROADWAY DESIGN ENGINEER

DocuSigned by:

William C Kincannon



06-OCT-2016 12:22 C:\TAP-ADA Compliant\New Bern\Craven Co\R-5782B.PSH.DGN \$\$\$USERNAME\$\$\$

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF SHEETS

1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, STANDARD DRAWINGS
2-2E	CURB RAMPS DETAILS
3	SUMMARY OF QUANTITIES
4-6	PLANSHEET

GENERAL NOTES:

2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012
REVISED: 07-30-2012

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE THE CITY OF NEW BERN

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OWNER

WHEELCHAIR RAMPS:

WHEELCHAIR RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. THE CONSTRUCTION OF ALL WHEELCHAIR RAMPS SHALL BE IN ACCORDANCE WITH DETAILS IN PLANS.

OR AS DIRECTED BY ENGINEER

PAVEMENT REPAIR:

REFER TO SECTION 654 ASPHALT PLANT MIX, PAVEMENT REPAIR
REFER TO SECTION 520 AGGREGATE BASE COURSE
AS SHOWN IN THE 2012 STANDARD SPECIFICATIONS FOR
ROADS AND STRUCTURES

OR AS DIRECTED BY ENGINEER

2012 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

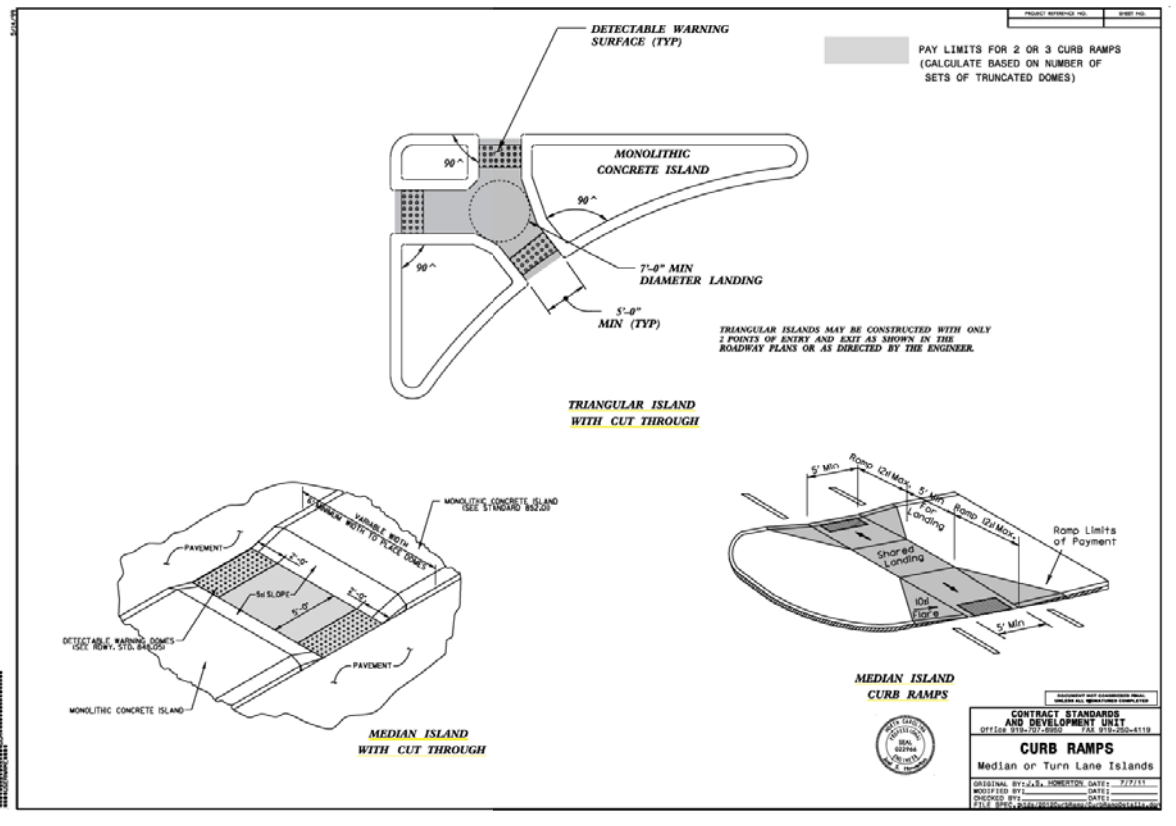
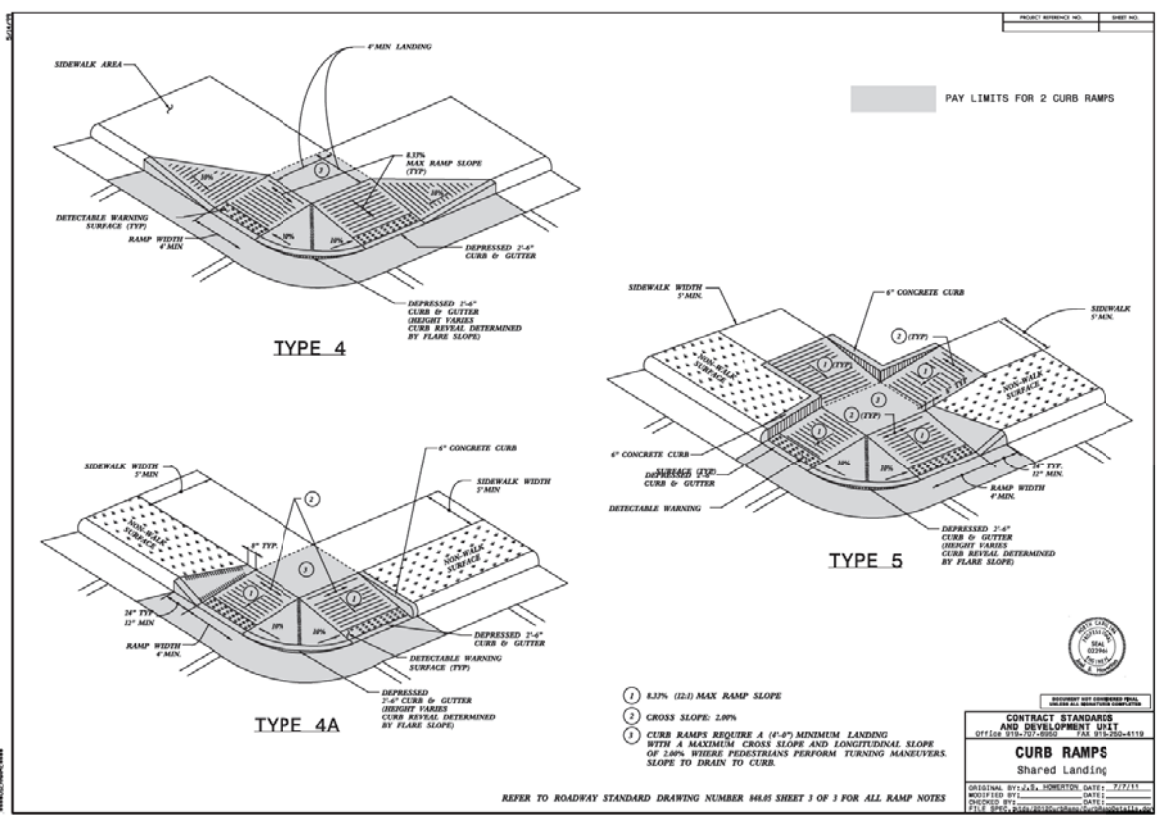
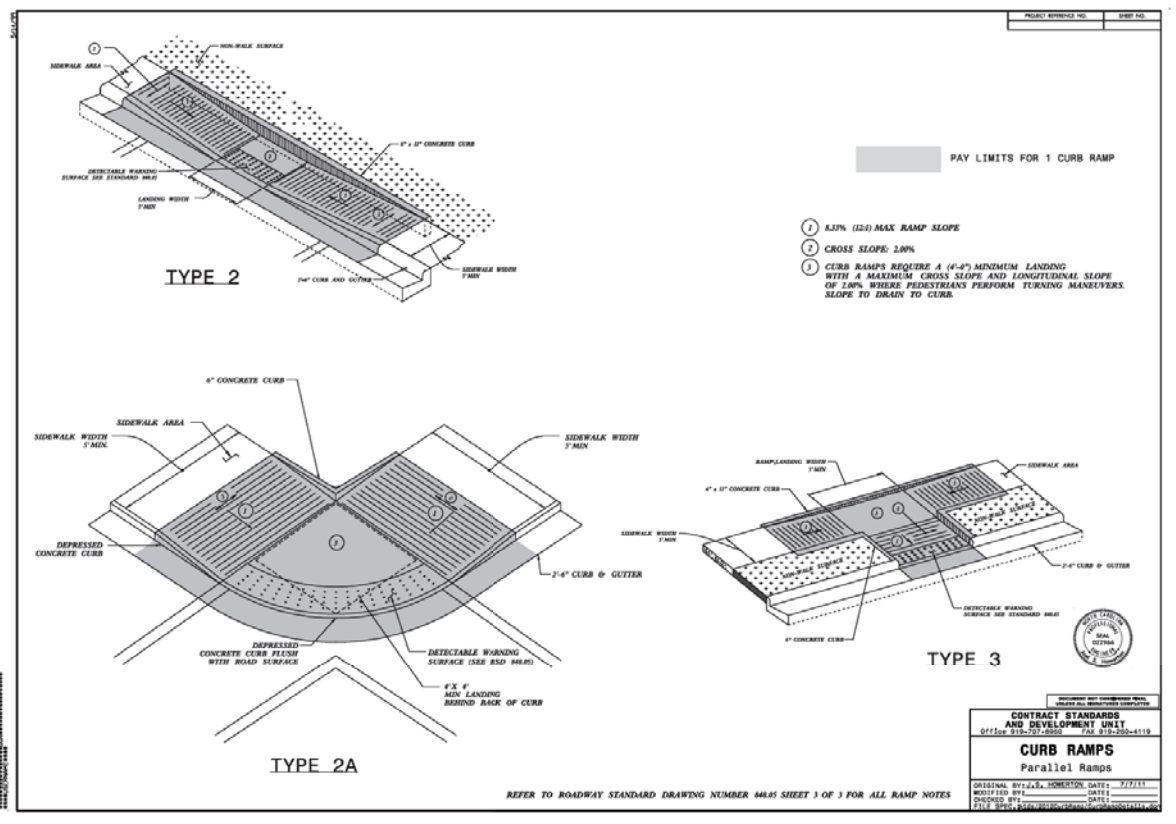
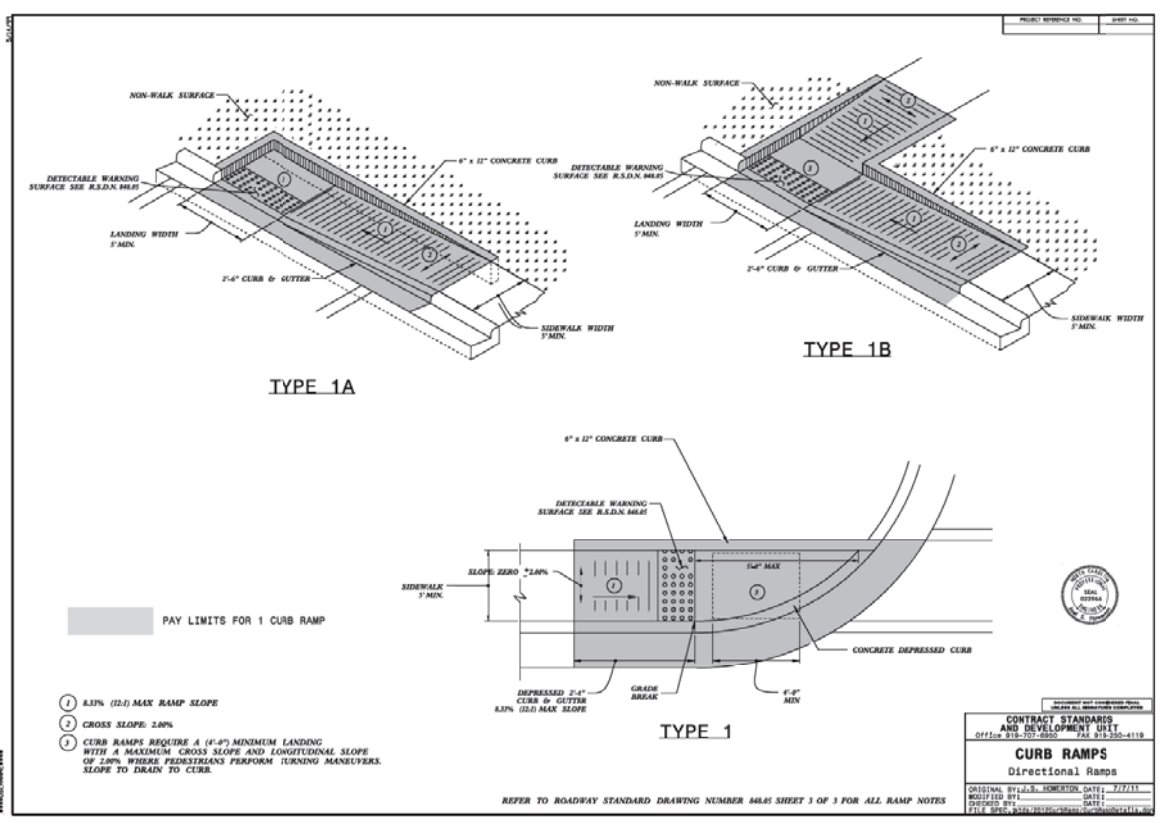
STD. NO.	TITLE
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	PAVEMENT REPAIRS
DIVISION 8 - INCIDENTALS	
848.01	CONCRETE SIDEWALK
848.06	CURB RAMP - EXISTING CURB AND GUTTER
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1101.02	TEMPORARY LANE CLOSURES
DIVISION 12 - PAVEMENT MARKINGS, MARKERS AND DELINEATION	
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS

5/28/99

OC:\PCI\2016_IL33
Client_Ramps\2016\New_Bern,Craven_Co\AR-5782B_PSHA.DGN
\$\$\$\$\$

8/17/99

REVISIONS



05-OCT-2016 11:47
C:\TAP_ADA_Compilant Ramps\2016\New Bern-Craven Co\NR-5782B-PSH2.DGN
SS:SHUSENAMES

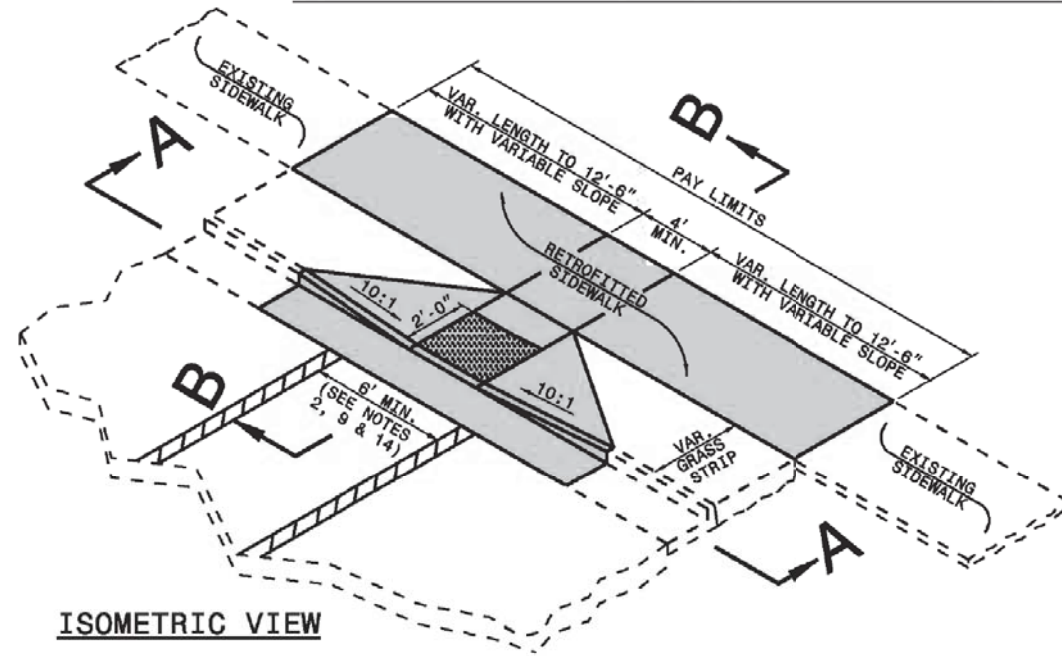
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12 ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

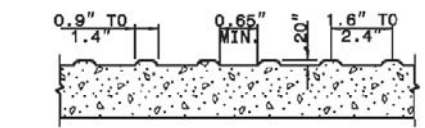
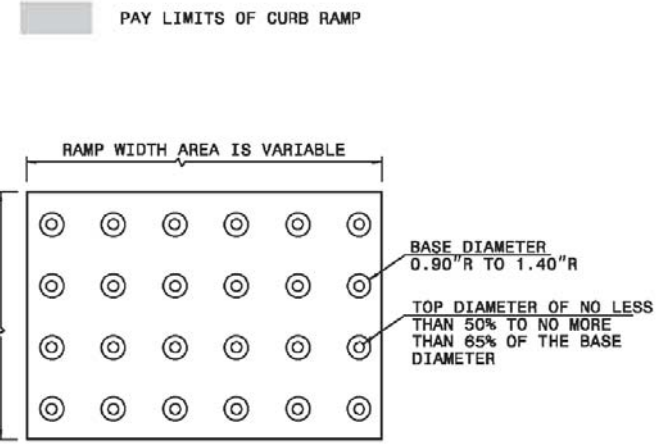
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12 ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

CURB RAMP AND EXISTING SIDEWALK WITH GRASS STRIP

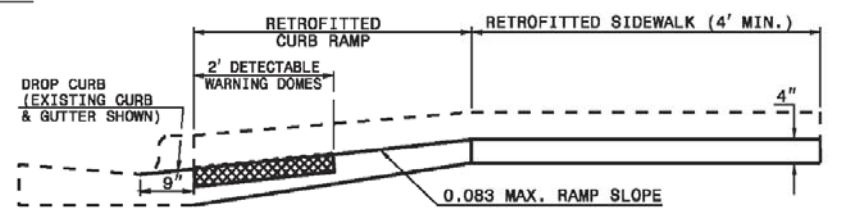


ISOMETRIC VIEW

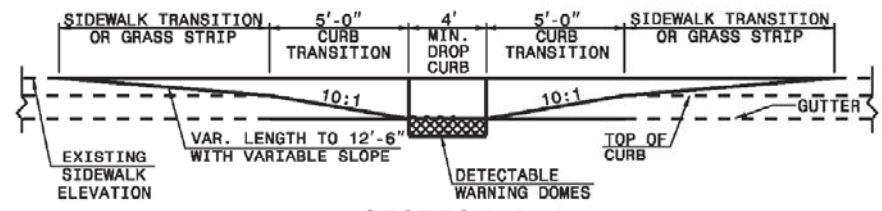


DETECTABLE WARNING DOMES

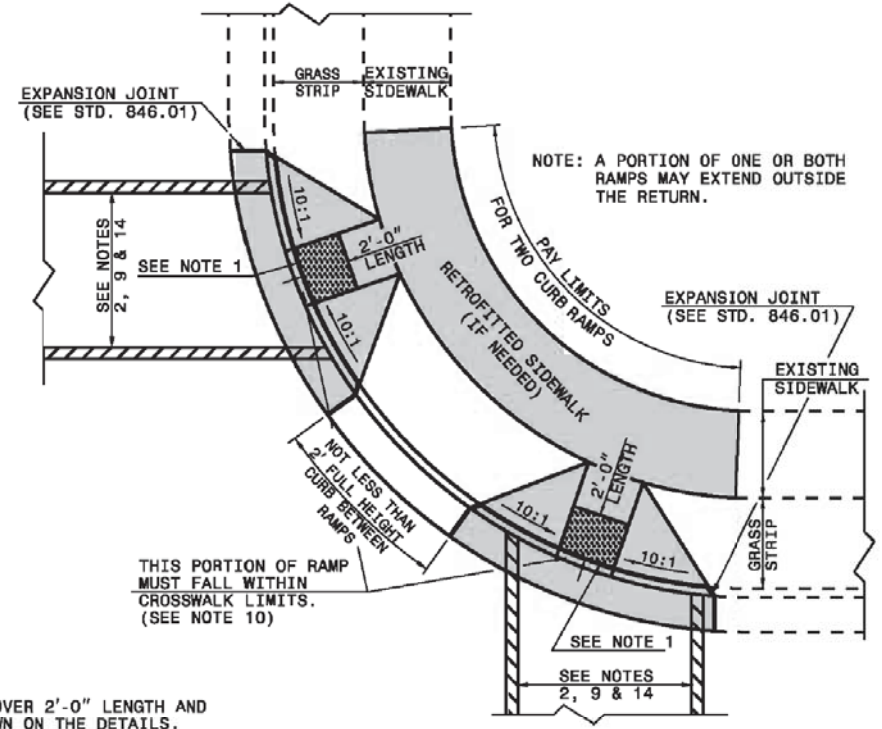
- NOTES:
1. PLACE DETECTABLE WARNING DOMES TO COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
 2. OBTAIN VISIBLE CONTRAST WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



SECTION B-B



SECTION A-A



PLAN VIEW

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

REVISIONS

06-OCT-2016 11:10 C:\TAP_ADA_Comp\lient Ramps\2016\New Bern\Cra\en Co\NR-5782B_PSH2A.DGN 8/17/99

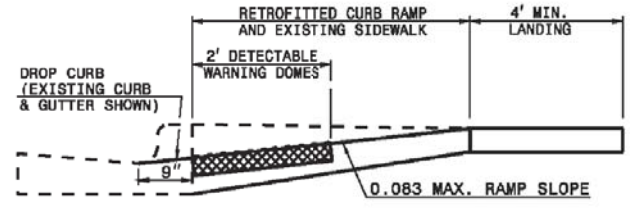
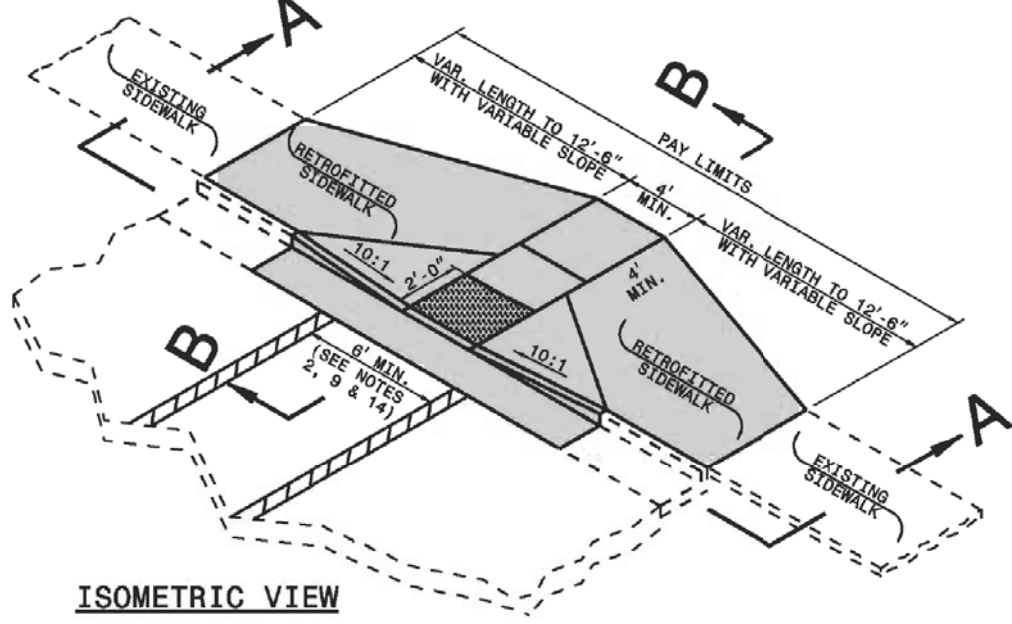
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12 ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

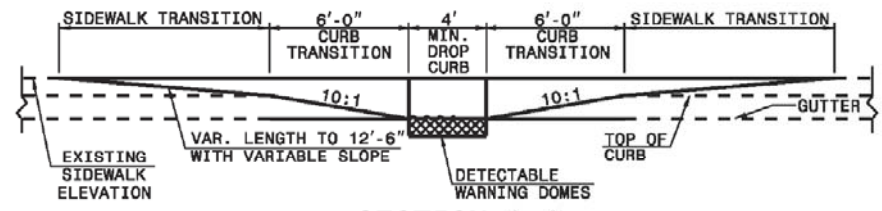
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12 ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

CURB RAMPS AND EXISTING SIDEWALK ADJACENT TO CURB

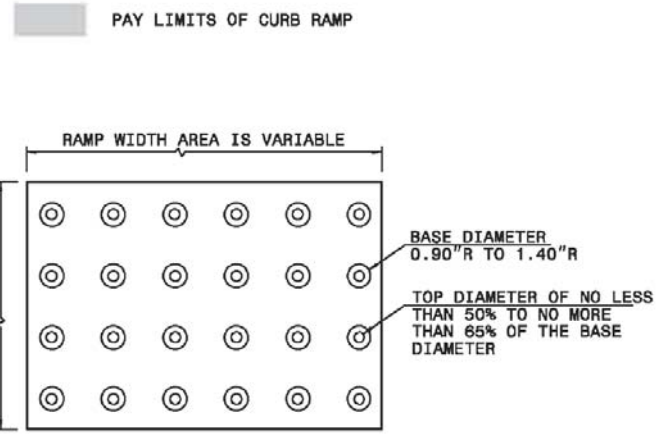


SECTION B-B

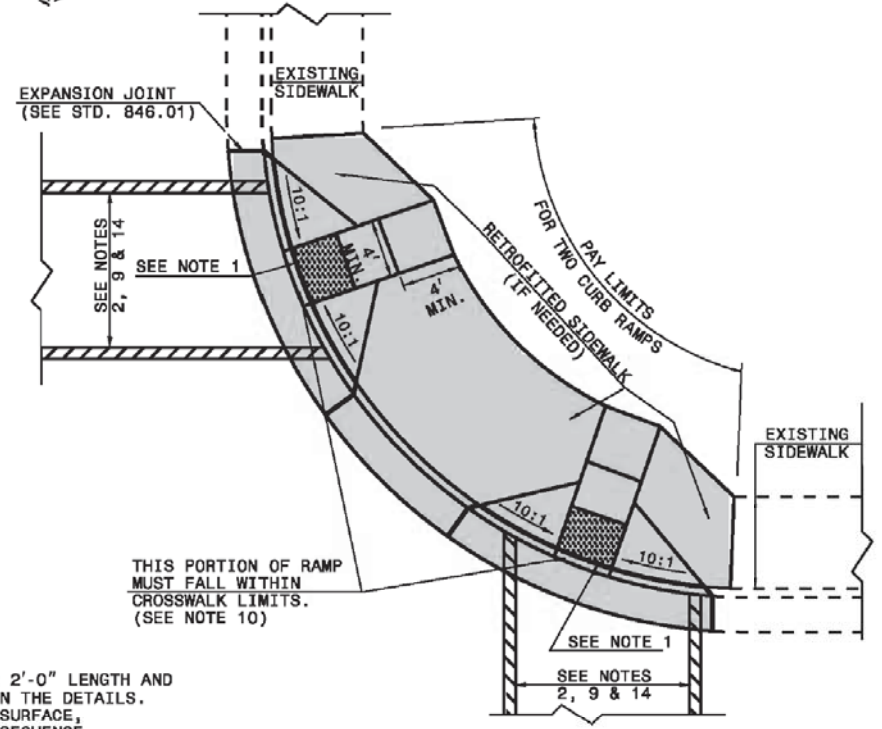


SECTION A-A

ISOMETRIC VIEW



DETECTABLE WARNING DOMES



PLAN VIEW

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

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

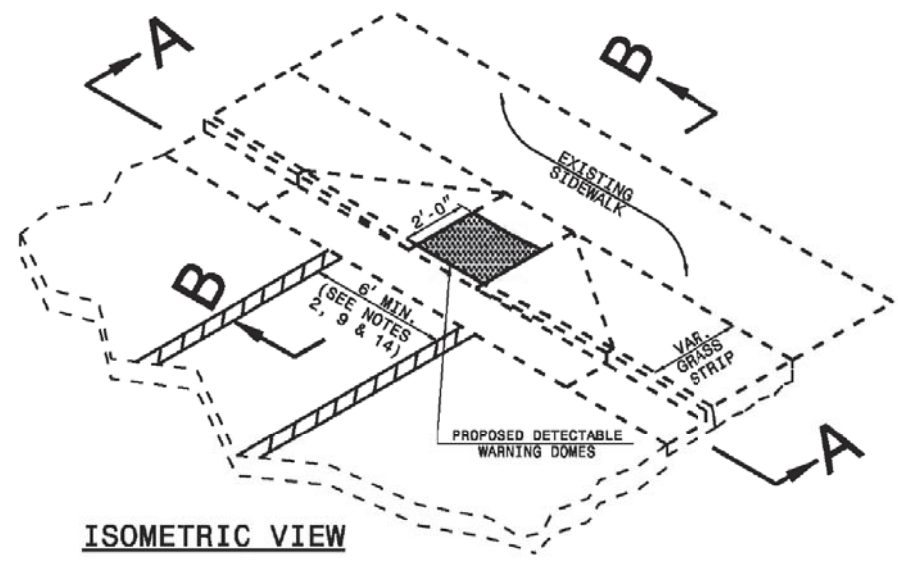
REVISIONS

06-OCT-2016 11:20 C:\TAP_ADA_Compilant Ramps\2016\New Berrn,Craven Co\NR-5782B_PSH2B.DGN \$\$\$\$USERNAME\$\$\$\$ 8/17/99

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

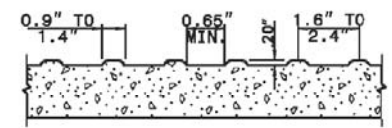
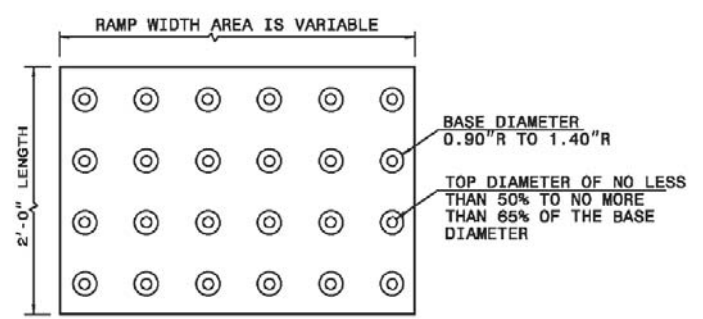
1-12 ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

RETROFITTING DETECTABLE WARNING DOMES ONTO EXISTING CURB RAMP



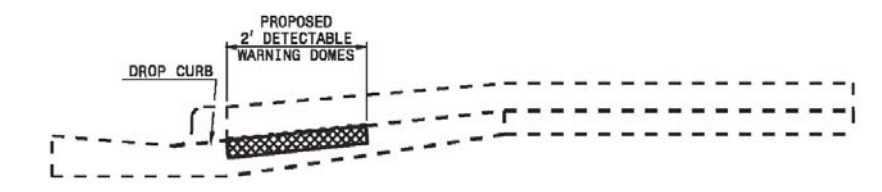
ISOMETRIC VIEW

PAY LIMITS OF RETROFIT CURB RAMP

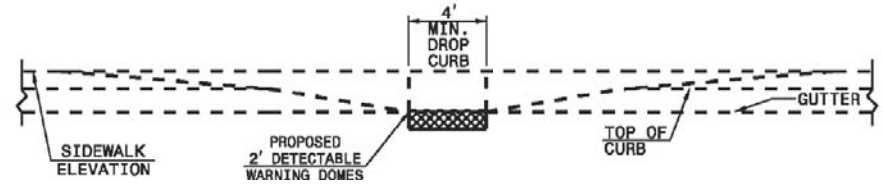


DETECTABLE WARNING DOMES

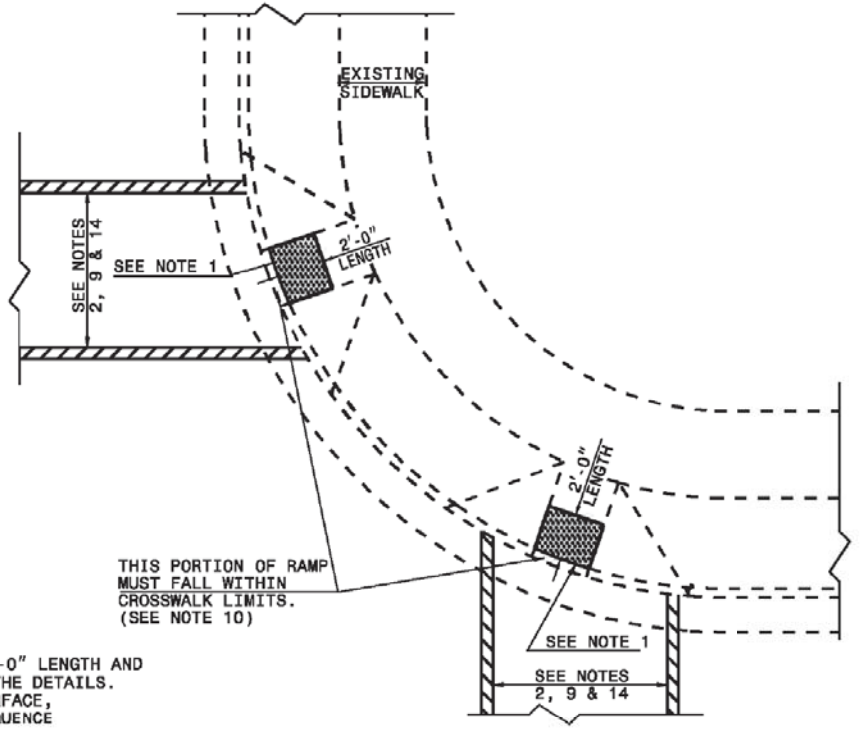
- NOTES:
1. PLACE DETECTABLE WARNING DOMES TO COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.
2. OBTAIN VISIBLE CONTRAST WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.



SECTION B-B



SECTION A-A



PLAN VIEW

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

1-12 STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

REVISIONS

06-OCT-2016 10:31
C:\TAP_ADA_Comp\lient Ramps\2016\New Berrn,Cr... Co\NR-5782B_PSH2C.DGN
8/17/99

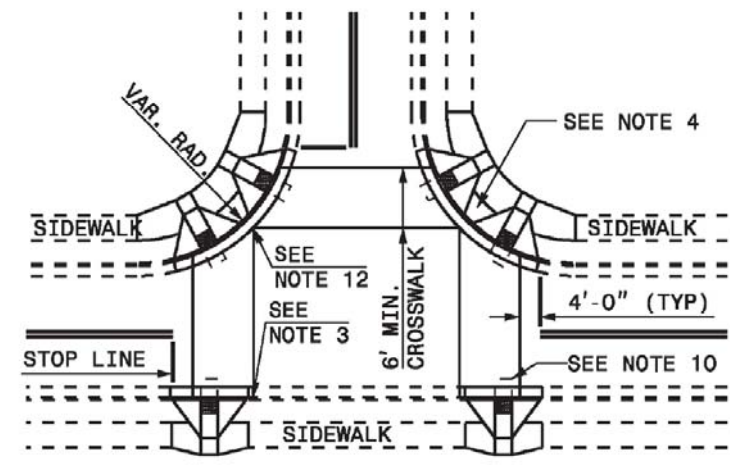
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

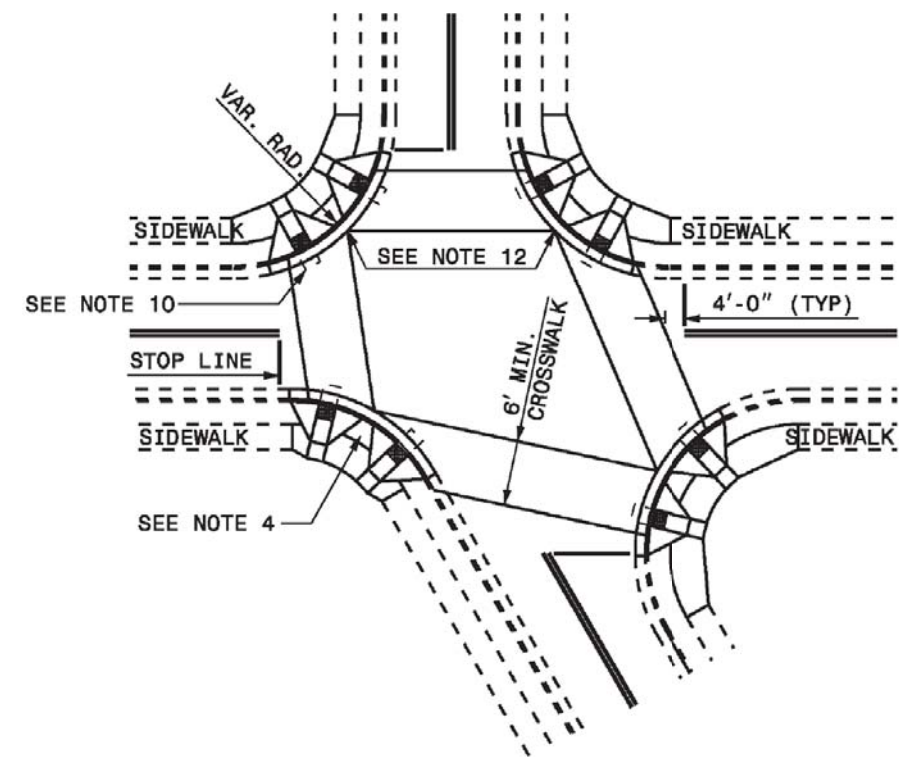
ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

SHEET 4 OF 5
848.06

CURB RAMPS AND EXISTING SIDEWALK

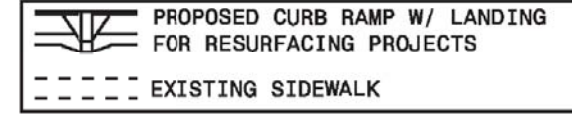


DETAIL SHOWING TYPICAL LOCATION OF CURB RAMPS, PEDESTRIAN CROSSWALKS AND STOP LINES FOR TEE INTERSECTIONS



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

RESURFACING PROJECTS



ALLOWABLE LOCATIONS
DUAL RAMP RADII.....ANY

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

1-12

ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

SHEET 4 OF 5
848.06

REVISIONS

8/17/99
06-OCT-2016 10:31
C:\TAP_ADA_Compilient_Ramps\2016\New_Bern_Craven_Co\VR-5782B_PSH2D.DGN
\$\$\$\$\$USERNAME\$\$\$\$\$

8/17/99

REVISIONS

06-OCT-2016 10:32
C:\TAP_ADA_Comp\lient Romps\2016\New Bern\Craeyen Co\NR-5782B_PSHZE.DGN
\$\$\$\$\$USERNAME\$\$\$\$

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

1-12

ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

SHEET 5 OF 5
848.06

CURB RAMP AND EXISTING SIDEWALK

NOTES:

1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
6. TERMINATE PARKING A MINIMUM OF 20' BACK OF A PEDESTRIAN CROSSWALK.
7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE.
8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM.
10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
12. CONSTRUCT LANDINGS FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT LANDINGS FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGH THE ISLAND.
14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'x5' LANDING AT THE TOP OF A RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
16. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01
17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
18. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR THE DETAILS OR FOR A SPECIAL DESIGN.

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

1-12

ENGLISH STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

SHEET 5 OF 5
848.06

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
SUMMARY OF QUANTITIES

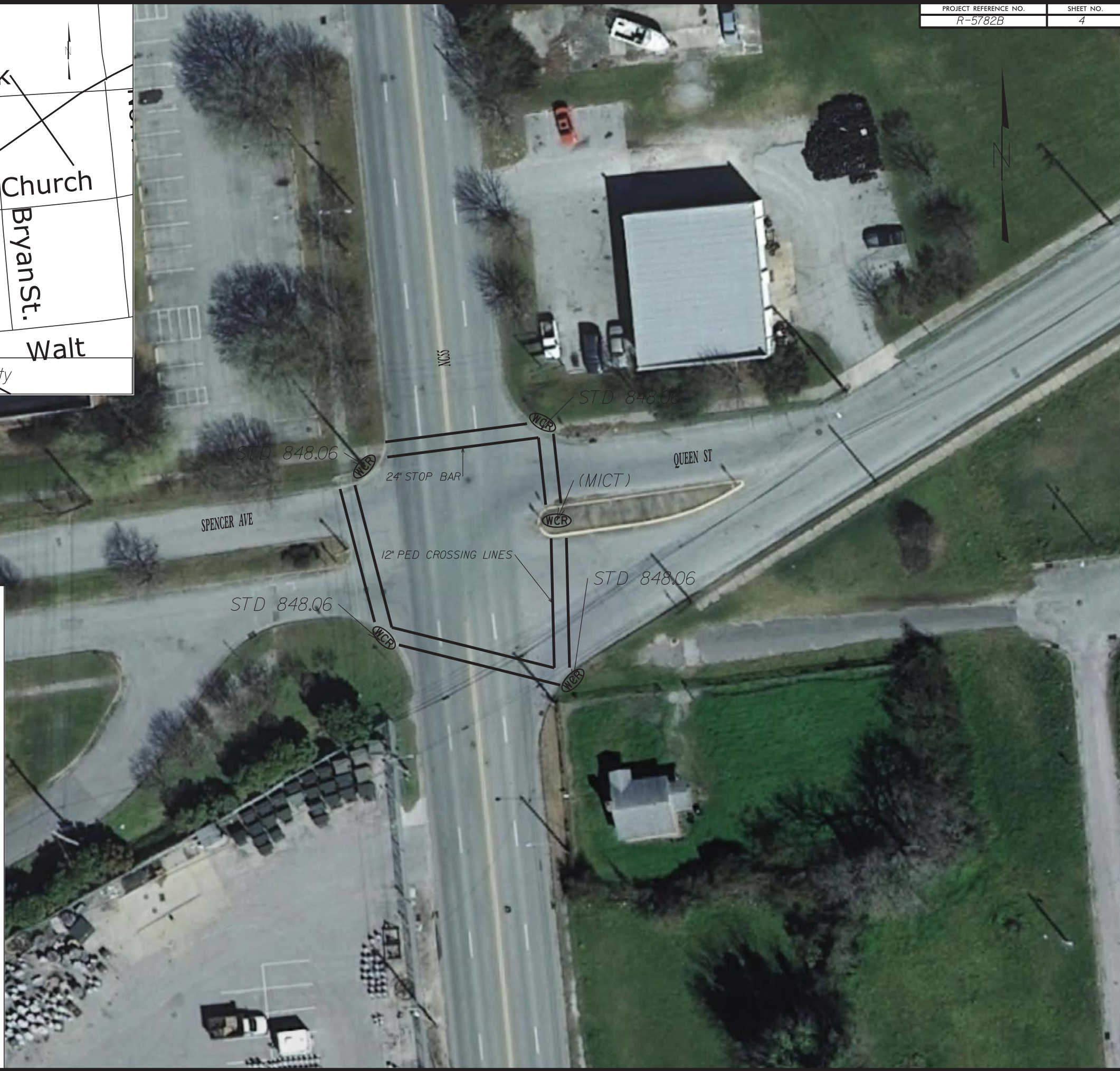
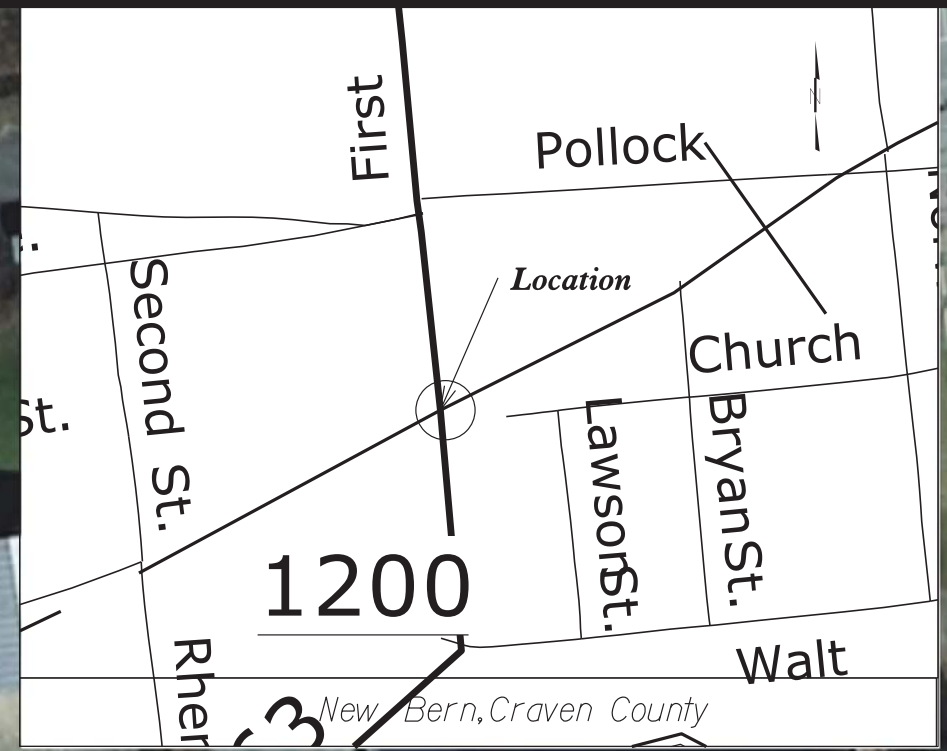
SECT	QUANTITY	UNIT	ITEM DESCRIPTION
800	1	LS	MOBILIZATION
520	12	TON	AGGREGATE BASE COURSE
654	5	TON	ASPHALT PLANT MIX, PAVEMENT REPAIR
848	20	SY	4" CONCRETE SIDEWALKS
848	14	EA	CONCRETE CURB RAMPS
1105	1	LS	TEMPORARY TRAFFIC CONTROL
1205	1050	LF	PAINT PAVEMENT MARKING LINES (12')
1205	200	LF	PAINT PAVEMENT MARKING LINES (24')
1205	250	LF	REMOVAL OF PAVEMENT MARKING LINES (4')
1205	110	LF	REMOVAL OF PAVEMENT MARKING LINES (24')
1660	0.25	AC	SEED AND MULCHING
SP	2	EA	RESPONSE FOR EROSION CONTROL

5/28/99

OC:\PCI\2016\1134
 \Client_Ramps\2016\New Berrn,Craven Co\R-5782B_PSH3.DGN
 \$\$\$\$LISTENER\$\$\$\$

05-OCT-2016 11:47
 C:\TAP_GDA_Comp\lient Ramps\2016\New Bern, Craven Co\NR-5782B_PSH4_NC95_SPENCER AVE_QUEEN ST.DGN
 \$\$\$SHEENNAME\$\$\$
 8/17/99

REVISIONS



LEGEND

Alternative Curb Ramp Design:

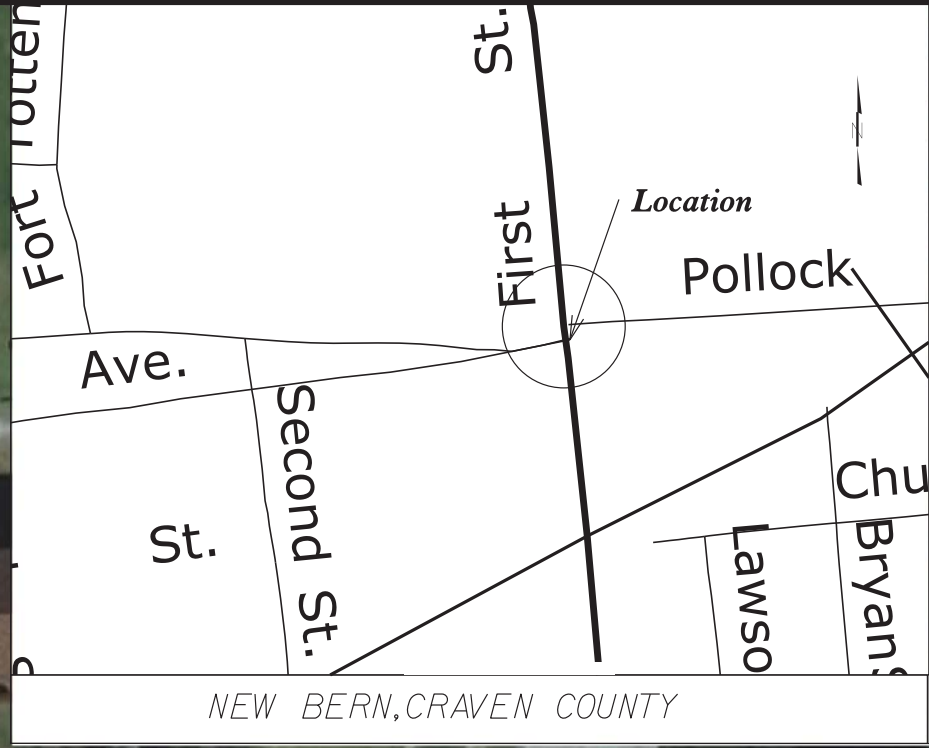
Directional Ramps
 (T1)___Type 1
 (T1A)_Type 1A
 (T1B)_Type 1B

Parallel Ramps
 (T2)___Type 2
 (T2A)_Type 2A
 (T3)___Type 3

Shared Landing
 (T4)___Type 4
 (T4A)_Type 4A
 (T5)___Type 5

Island Ramps
 (MI)___Median Island
 (MICT)_Median Island with Cut Through
 (TICT)_Triangular Island with Cut Through

STD 848.06 Sheets 1-5



LEGEND

Alternative Curb Ramp Design:

Directional Ramps
 (T1)___Type 1
 (T1A)___Type 1A
 (T1B)___Type 1B

Parallel Ramps
 (T2)___Type 2
 (T2A)___Type 2A
 (T3)___Type 3

Shared Landing
 (T4)___Type 4
 (T4A)___Type 4A
 (T5)___Type 5

Island Ramps
 (MI)___Median Island
 (MICT)___Median Island with Cut Through
 (TICT)___Triangular Island with Cut Through

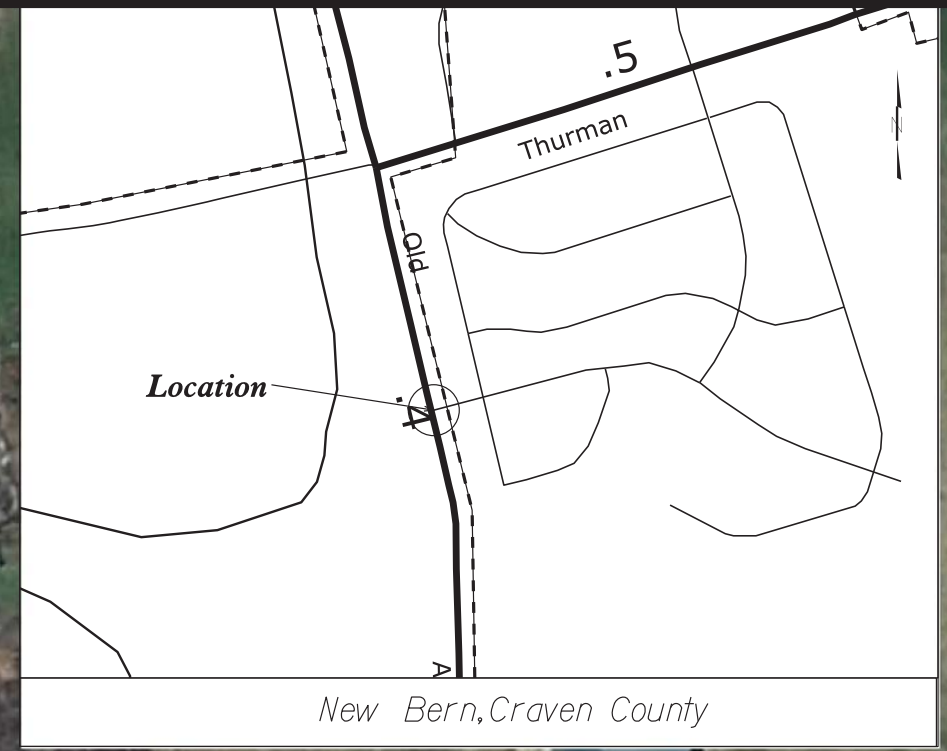
STD 848.06 Sheets 1-5

REVISIONS

05-OCT-2016 11:48
 C:\TAP_ADA_Comp\1016\New_Bern_Craven_Co\VR-5782B_PSH5_NC55_POLLOCK_TRENT_BLYD.DGN
 \$\$\$\$\$\$USERNAME\$\$\$\$\$

05-OCT-2016 11:49
 C:\TAP-ADA\Complient Ramps\2016\New Bern, Craven Co\NR-5782B_PSH6_SRI111\OLD AIRPORT RD.-AUSTIN AVE.DGN
 \$\$\$USERNAME\$\$\$
 8/17/99

REVISIONS



New Bern, Craven County

LEGEND

Alternative Curb Ramp Design:

Directional Ramps
 (T1)___Type 1
 (T1A)_Type 1A
 (T1B)_Type 1B

Parallel Ramps
 (T2)___Type 2
 (T2A)_Type 2A
 (T3)___Type 3

Shared Landing
 (T4)___Type 4
 (T4A)_Type 4A
 (T5)___Type 5

Island Ramps
 (MI)___Median Island
 (MICT)_Median Island with Cut Through
 (TICT)_Triangular Island with Cut Through

STD 848.06 Sheets 1-5

