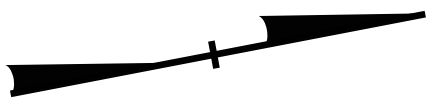


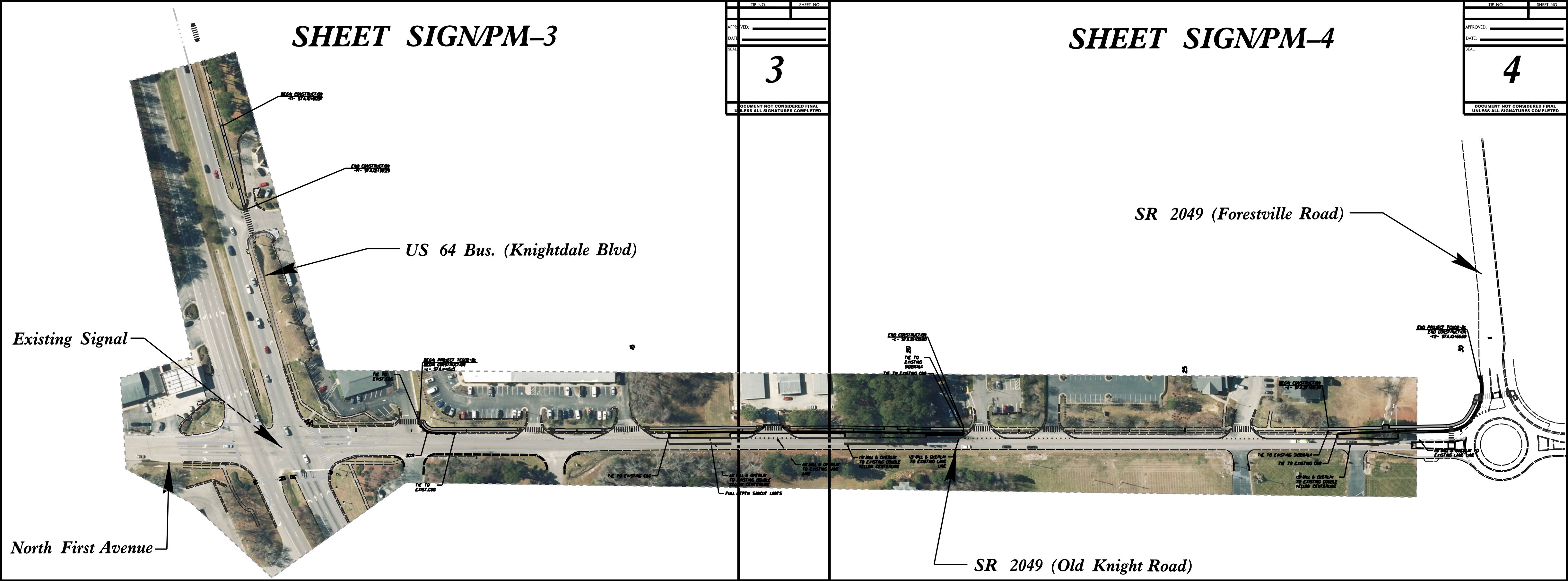
TOWN OF KNIGHTDALE
WAKE COUNTY, NORTH CAROLINA

SIGNING & PAVEMENT MARKING PLAN

LOCATION: PEDESTRIAN IMPROVEMENTS ON SR 2049 (OLD KNIGHT ROAD) BETWEEN
U.S. 64 BUS (KNIGHTDALE BOULEVARD) AND SR 2049 (FORESTVILLE ROAD).



TIP NO.	SHEET NO.
TC002-BL	SIGN/PM-1
APPROVED: <u>Regina M. Muncy</u> C7FE51B522454FA...	
DATE: 5/18/2026	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



INDEX

SHEET NO.	DESCRIPTION
SIGN/PM-1	Title Sheet
SIGN/PM-1A	SIGNING-General Project Notes, Roadway Standard Drawings, & Quantities
SIGN/PM-1B	PAVEMENT MARKING-General Project Notes, Roadway Standard Drawings,& Quantities
SIGN/PM-2-2B	NCDOT Roadway Standard Drawing Details for Curb Ramps
SIGN/PM-3	Curb ramp locations, signing revisions, and pavement marking revisions
SIGN/PM-4	Curb ramp locations, signing revisions, and pavement marking revisions

Town Certification. This design has been reviewed by the Engineer for the Town of Knightdale, and to the best of my knowledge and belief, it conforms to the requirements established in the Standard Specifications of the Town of Knightdale.

By: [Signature] Date: 5/20/2026
Town Engineer

These plans are approved by the Town of Knightdale and serve as construction plans for this project.

By: [Signature] Date: 5/22/2026
Land Use Administrator

Prepared For:

TOWN OF KNIGHTDALE
950 STEEPLE SQUARE CT
919-217-2200

Prepared By:

Stantec Consulting Services, Inc.

Betsy L. Watson, PE Deputy Regional Business Leader
Regina Muncy, PE Senior Transportation Engineer
James Hambricht Senior Transportation Technician

Stantec

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\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$CDN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$
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SIGNING PLAN

GENERAL NOTES

- . SIGNS FURNISHED BY THE CONTRACTOR
- . ALL TYPE 'D' SIGNS SHALL BE MOUNTED ON TWO U-CHANNEL POSTS UNLESS OTHERWISE INDICATED ON THE PLANS.
- . IF REMOVAL OR RELOCATION OF SIGNS ON A PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL 'E' AND 'F' SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- . WHEN EXISTING SIGNS ARE REMOVED AND INSTALLED ON NEW SUPPORTS, THE RE-ERECTION SHALL IMMEDIATELY FOLLOW THE REMOVAL.
- . THE BACKGROUND FOR TYPE E & F SIGNS SHALL BE TYPE C REFLECTIVE SHEETING.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
4072000000	903	SUPPORTS, 3 LB STEEL U-CHANNEL	95	L.F.
4102000000	904	SIGN ERECTION, TYPE E	7	EA.
4116100000	904	SIGN ERECTION, RELOCATE SIGN TYPE E (GROUND MOUNTED).....	7	EA.
4155000000	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	2	EA.
4192000000	907	DISPOSAL OF SUPPORT, U-CHANNEL	7	EA.
4238000000	907	DISPOSAL OF SIGN, D, E, OR F	0	EA.

NCDOT ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

SIGNING
STD. NO.

TITLE

904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
910.40	SINGLE LANE ROUNDABOUT SIGNING, WITH PEDESTRIANS

SIGNING PAY ITEM NOTES

- 1 DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- 2 DISPOSAL OF SUPPORT, U-CHANNEL
- 3 DISPOSAL OF SIGN, D, E OR F
- 4 SIGN ERECTION, TYPE E
- 5 SIGN ERECTION, RELOCATE TYPE E

Town Certification. This design has been reviewed by the Engineer for the Town of Knightdale, and to the best of my knowledge and belief, it conforms to the requirements established in the Standard Specifications of the Town of Knightdale.

By: [Signature] Date: 5/20/2026

Town Engineer

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Signed by: [Signature] Date: 5/22/2026

Land Use Administrator

TIP NO.
TC002 - BL

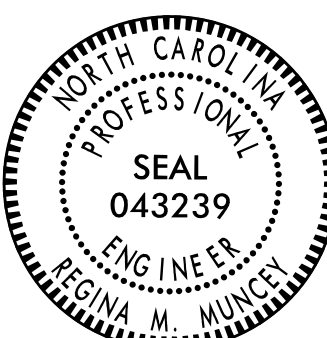
SHEET NO.
SIGN/PM - 1A

DocuSigned by:
Regina M. Muncy
CTFES1B522454FA...

APPROVED:

DATE: 5/18/2026

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SIGNING PLAN
GENERAL PROJECT NOTES,
NCDOT ROADWAY STANDARD DRAWINGS,
& QUANTITIES

PAVEMENT MARKING PLAN

GENERAL NOTES

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.

A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
SR 2049 (OLD KNIGHT ROAD)	THERMOPLASTIC	NONE
SR 2049 (FORESTVILLE ROAD)	THERMOPLASTIC	NONE

B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

D) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.

E) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

SUMMARY OF QUANTITIES

ITEM NO.		ITEM DESCRIPTION	QUANTITY	UNIT
DESC. NO.	SECT. NO.			
2612300000-N	848	RETROFIT EXISTING CONCRETE CURB RAMPS	2	EA.
4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES, 4", 90 mils	2255	FT.
4700000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES, 12", 90 mils	20	FT.
4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES, 24", 90 mils	950	FT.
SP	1205	THERMOPLASTIC PAVEMENT MARKING, 24" YIELD LINE TRIANGLE, 90 mils	4	FT.
4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES, 4"	160	FT.
4860000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES, 8"	00	FT.
4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES, 24"	170	FT.

CURB RAMP LOCATIONS

CURB RAMP LOCATIONS			
CURB RAMP NUMBER	STATION	OFFSET	CURB RAMP TYPE
1	n/a	n/a	Type 1 Modified
2	n/a	n/a	Type 2B
3	n/a	n/a	Retain existing curb ramp*
4	-L- Sta.10+75 +/-	n/a	Retain existing curb ramp**
5	-L- Sta. 11+27 +/-	5.56' LT	Type 3 Modified
6	-L- Sta. 12+98 +/-	5.94' LT	Type 1 Modified
7	-L- Sta. 13+53 +/-	3.20' LT	Type 1 Modified
8	-L- Sta. 14+52 +/-	3.67' LT	Type 1 Modified
9	-L- Sta. 15+24 +/-	6.72' LT	Type 1 Modified
10	-L- Sta. 17+31 +/-	8.27' LT	Type 1 Modified
11	-L- Sta. 17+79 +/-	8.31' LT	Type 1 Modified
12	-L- Sta. 21+13 +/-	n/a	Retain existing curb ramp
13	-L- Sta. 21+52 +/-	n/a	Retain existing curb ramp**
14	-L- Sta. 22+36 +/-	n/a	Retain existing curb ramp**
15	-L- Sta. 22+80 +/-	n/a	Retain existing curb ramp**
16	-L- Sta. 25+83 +/-	n/a	Retain existing curb ramp**
17	-L- Sta. 26+24 +/-	n/a	Retain existing curb ramp**
18	-L- Sta. 29+83 +/-	n/a	Retain existing curb ramp
19	-L- Sta. 29+83 +/-	n/a	Retain existing curb ramp
20	-L- Sta. 29+83 +/-	5.27' LT	Type 3 Modified
21	-Y2- Sta. 11+04 +/-	28.58' RT	Type 3 Modified
22	-Y2- Sta. 11+04 +/-	n/a	Retain existing curb ramp
23	-Y2- Sta. 11+04 +/-	n/a	Retain existing curb ramp
24	-Y2- Sta. 11+04 +/-	29.21' LT	Type 3 Modified
25	n/a	n/a	Install detectable warning surface
26	n/a	n/a	Install detectable warning surface

* Constructed as part of intersection improvement project

** Installed as part of project R-5785J

NCDOT ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2024 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

PAVEMENT MARKING STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS (LINE TYPES AND OFFSETS)
1205.02	PAVEMENT MARKINGS (TWO-LANE & MULTI-LANE ROADWAYS)
1205.04	PAVEMENT MARKINGS (INTERSECTIONS)
1205.05	PAVEMENT MARKINGS (TURN LANES)
1205.07	PAVEMENT MARKINGS (PEDESTRIAN CROSSWALKS)
1205.14	PAVEMENT MARKINGS (ROUNDBABOUTS)

NOTE: SEE ROADWAY STANDARD DRAWING #848.06 FOR INFORMATION RELATED TO CURB RAMP TYPES AND DESIGN

PAVEMENT MARKING SCHEDULE

THERMOPLASTIC (4", 90 MILS)

T1 - (4") WHITE EDGELINE

T5 - (4") 2 FT. - 6 FT./SP WHITE MINISKIP

T13 - (4") DOUBLE YELLOW CENTER

THERMOPLASTIC (12", 90 MILS)

T55 - (12") 3 FT. - 3 FT./SP WHITE MINISKIP

THERMOPLASTIC (24", 90 MILS)

T61 - WHITE STOPBAR

T62 - WHITE CROSSWALK LINE

THERMOPLASTIC (24", 90 MILS)

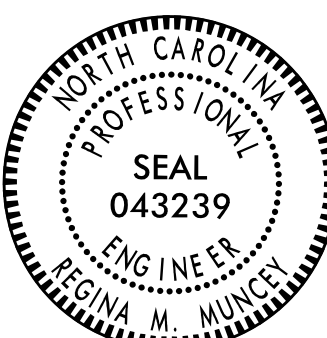
T103 - 24" YIELD LINE TRIANGLE

TIP NO.	SHEET NO.
TC002 - BL	SIGN/PM - 1B

DecuSigned by: Regina M. Muncy
APPROVED: CFE51B522454FA...

DATE: 5/18/2026

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By: [Signature] Date: 5/20/2026

Town Engineer

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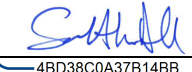
Signed by: [Signature] Date: 5/22/2026

Land Use Administrator

PAVEMENT MARKING PLAN
GENERAL PROJECT NOTES,
NCDOT ROADWAY STANDARD DRAWINGS,
& QUANTITIES

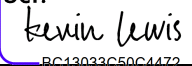
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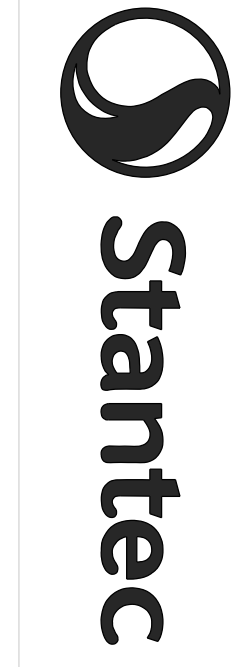
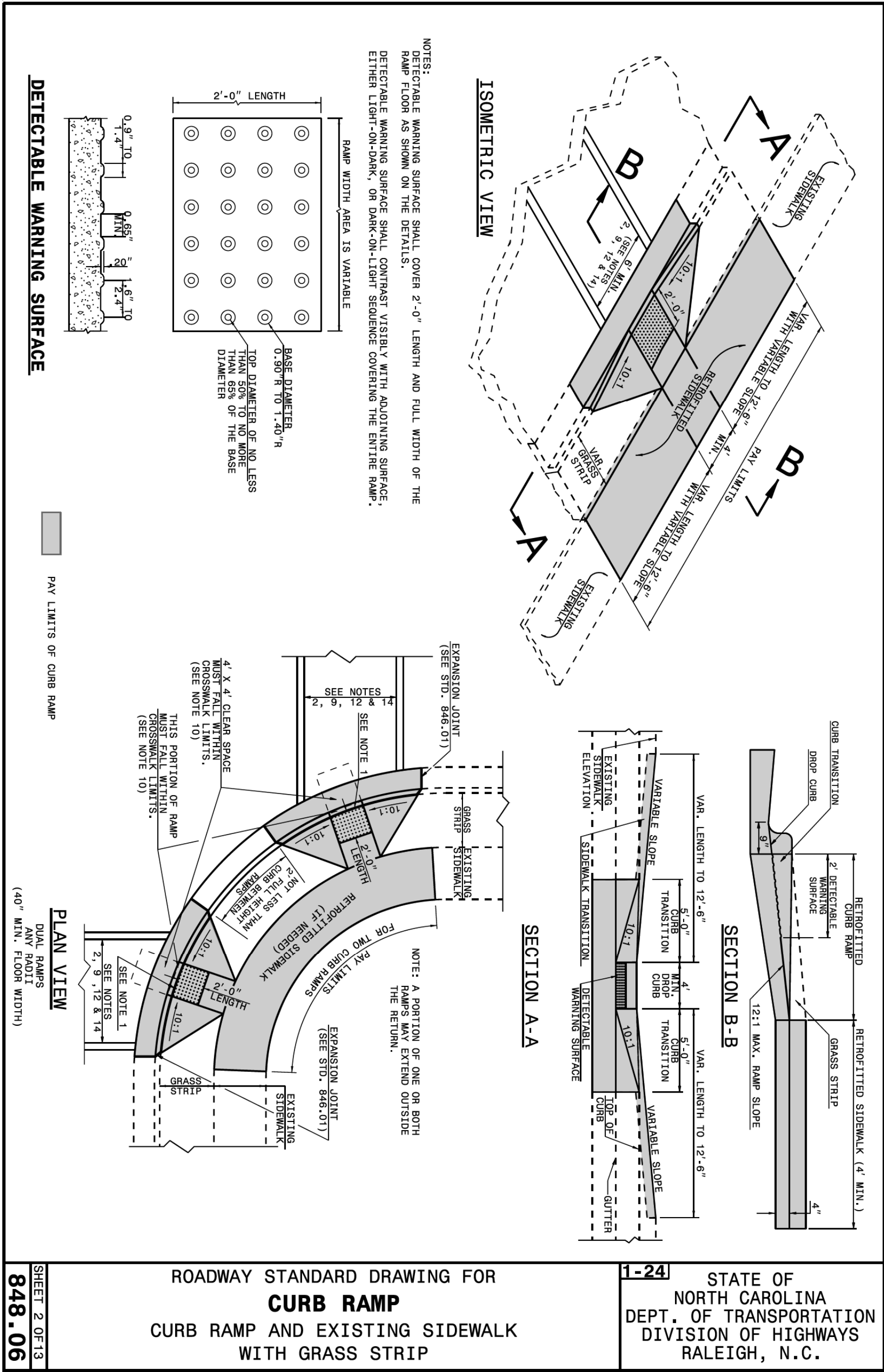
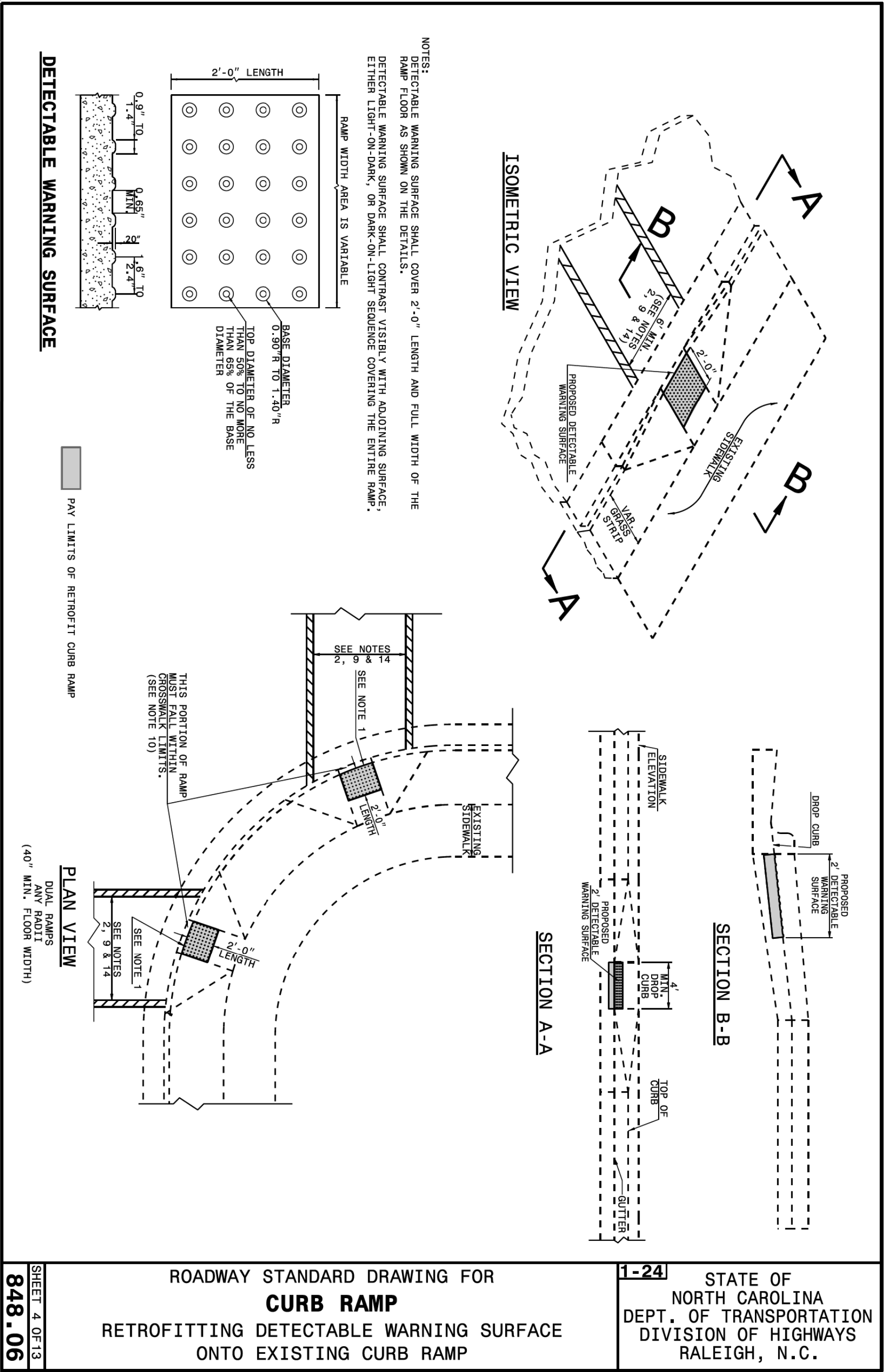
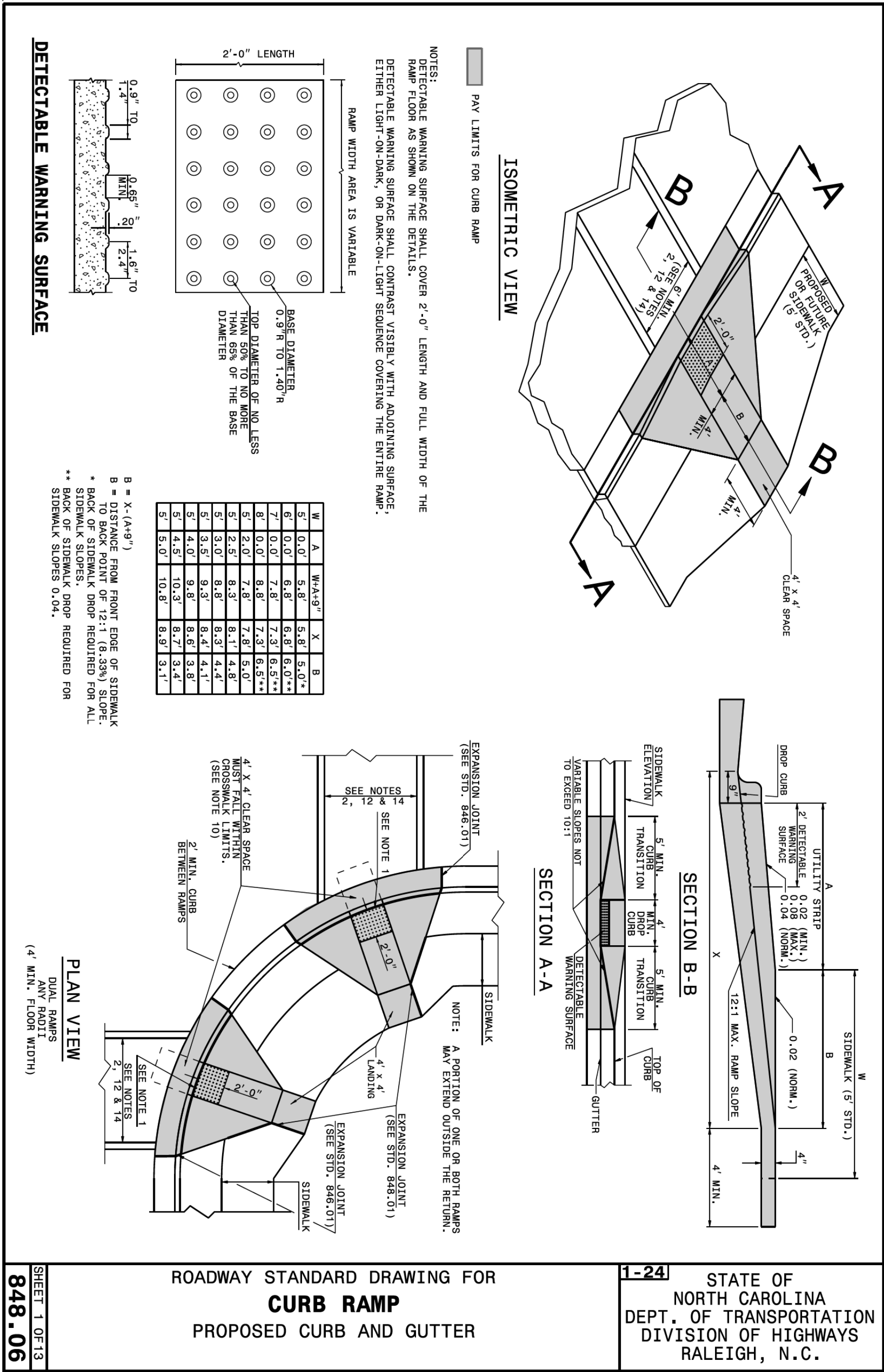
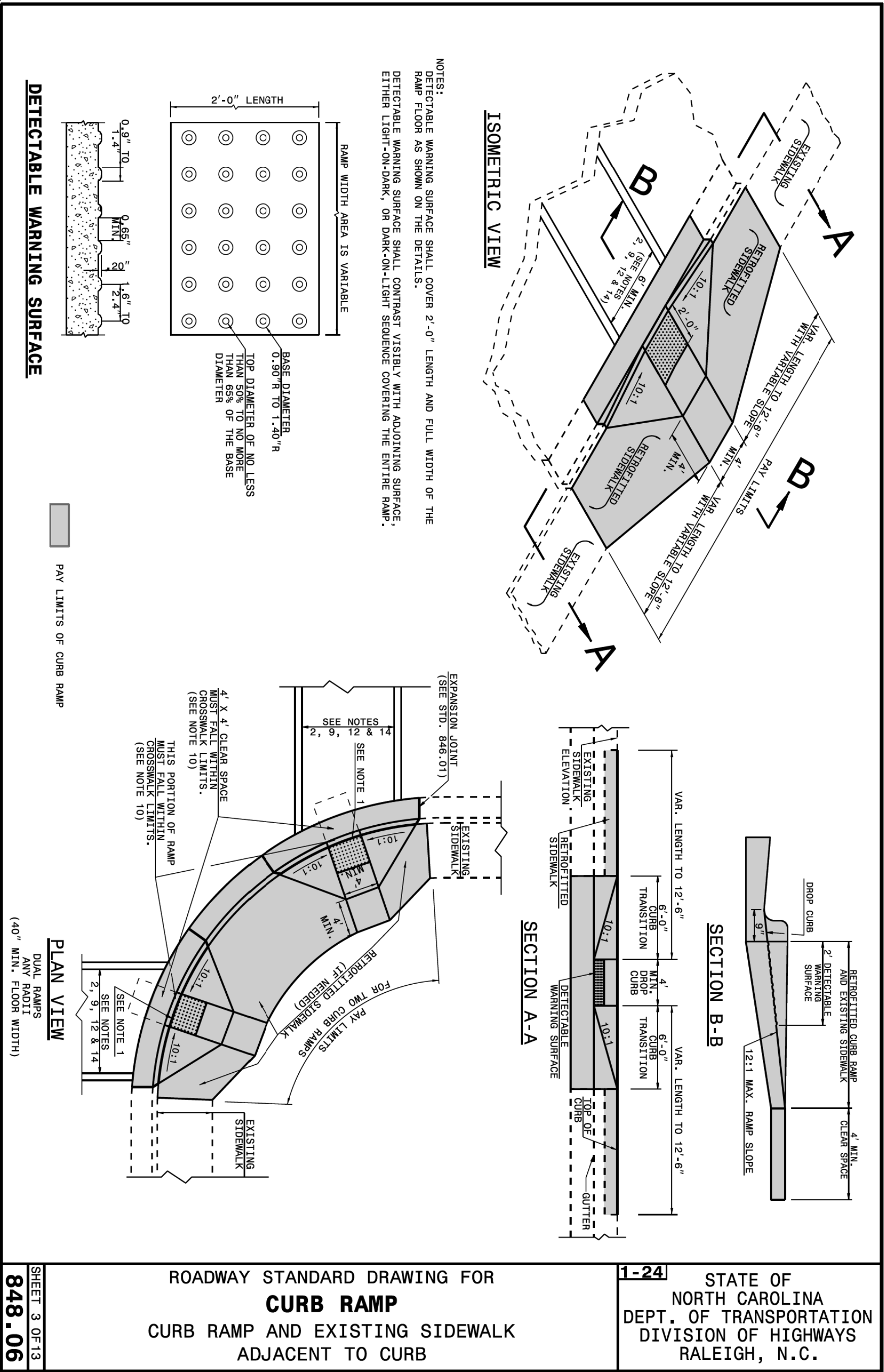
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PAVEMENT MARKING PLAN
NCDOT ROADWAY STANDARD DRAWINGS
for CURB RAMPS

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DCN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

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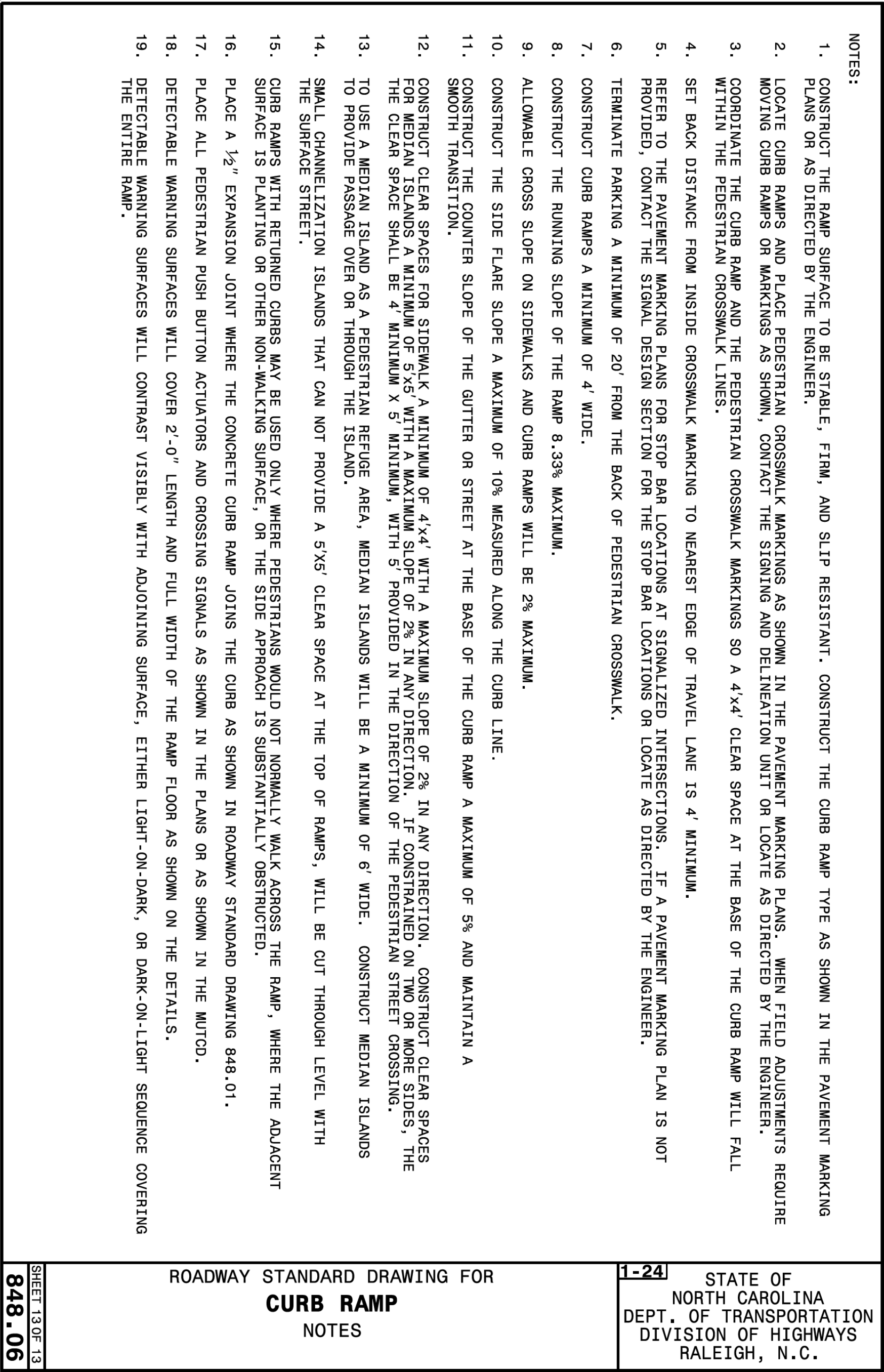
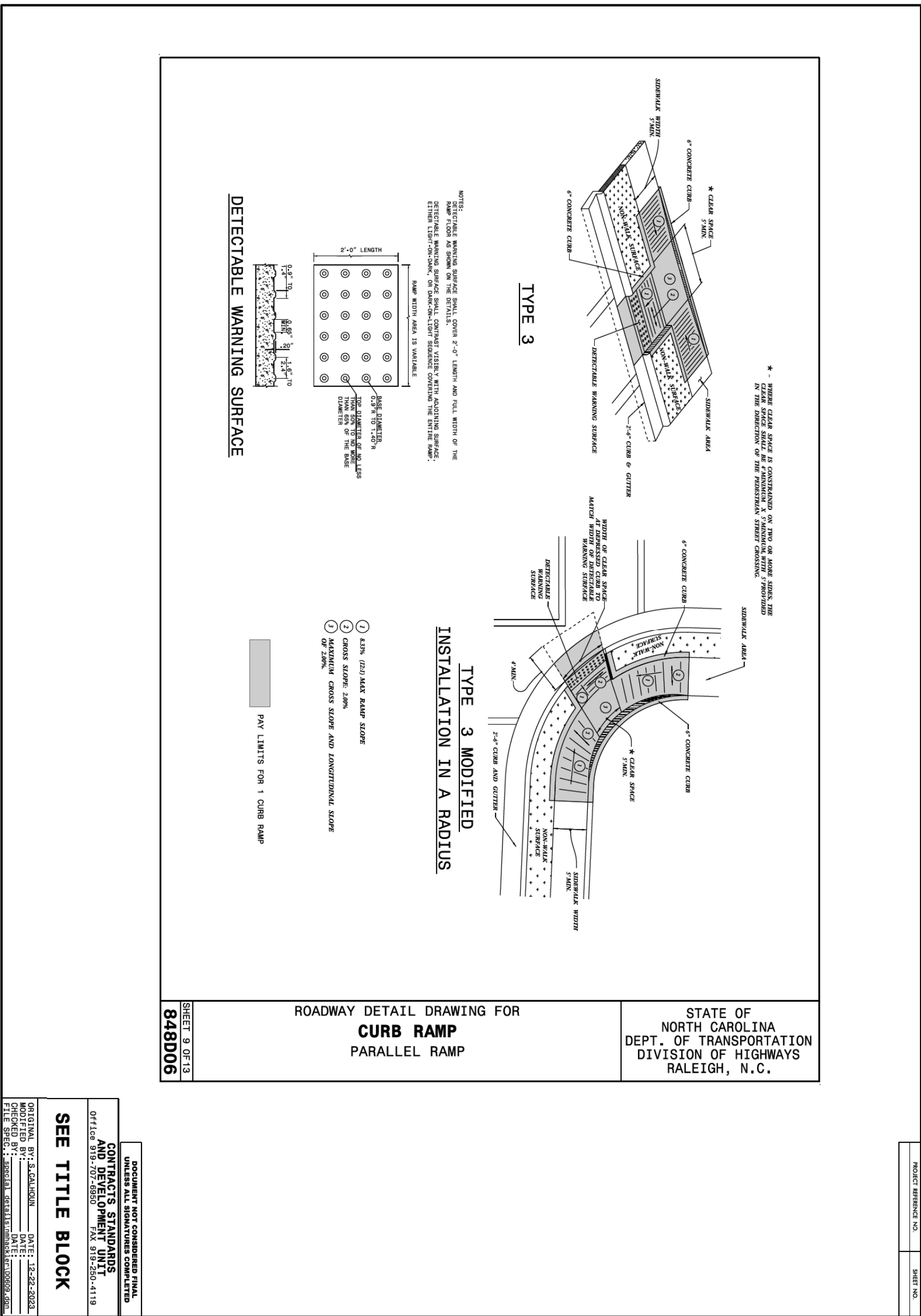
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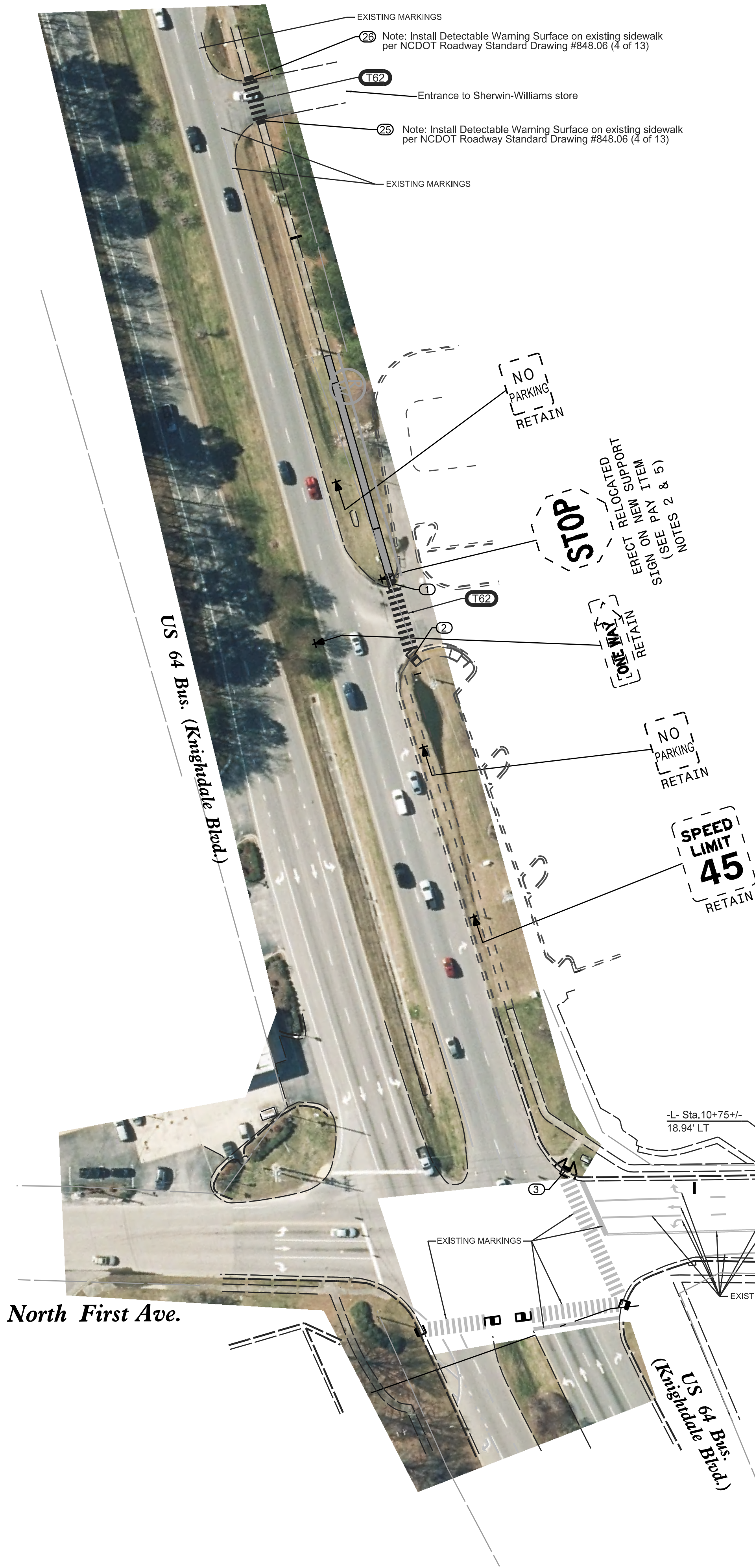
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By: [Signature] Date: 5/22/2026
8C73833C5C64473.

Land Use Administrator





PAVEMENT MARKING
SCHEDULE

THERMOPLASTIC (4", 90 MILS)

- T1 - (4") WHITE EDGETRIP
- T5 - (4") 2 FT. - 6 FT./SP WHITE MINISKIP
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- T103 - 24" YIELD LINE TRIANGLE

SIGNING PAY ITEM NOTES

- DISPOSAL OF SIGN SYSTEM, U-CHANNEL
- DISPOSAL OF SUPPORT, U-CHANNEL
- DISPOSAL OF SIGN, D, E OR F
- SIGN ERECTION, TYPE E
- SIGN ERECTION, RELOCATE TYPE E

NCDOT ROADWAY
STANDARD DRAWINGS

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904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS
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NOTE: SEE ROADWAY STANDARD DRAWING #848.06 FOR INFORMATION RELATED TO CURB RAMP TYPES AND DESIGN

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By: *[Signature]* Date: 5/22/2026

Land Use Administrator

TIP NO.
TC002 - BL

SHEET NO.
SIGN/PM-3

APPROVED: *[Signature]*

DATE: 5/18/2026

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