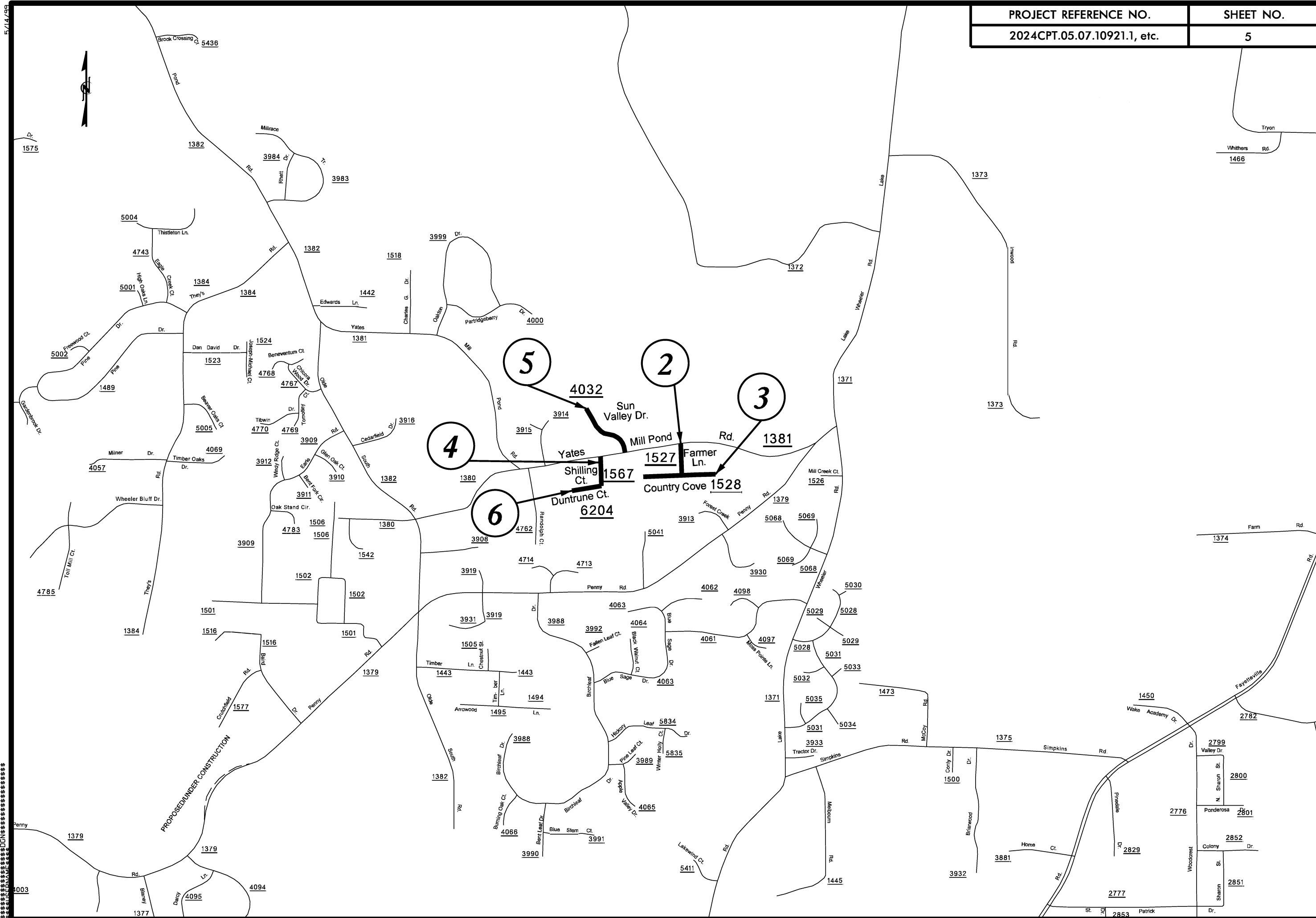


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5/14/99





PROPOSED UNDER CONSTRUCTION

5/14/99

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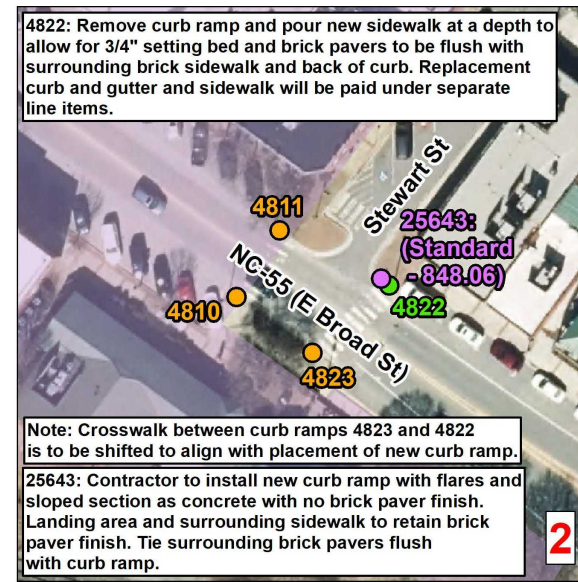
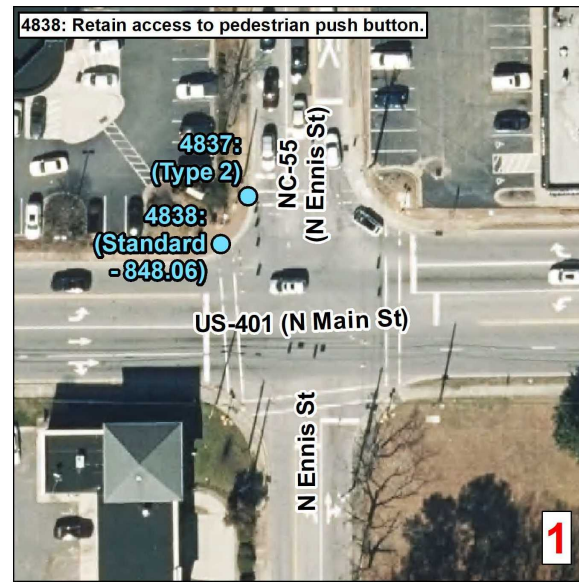
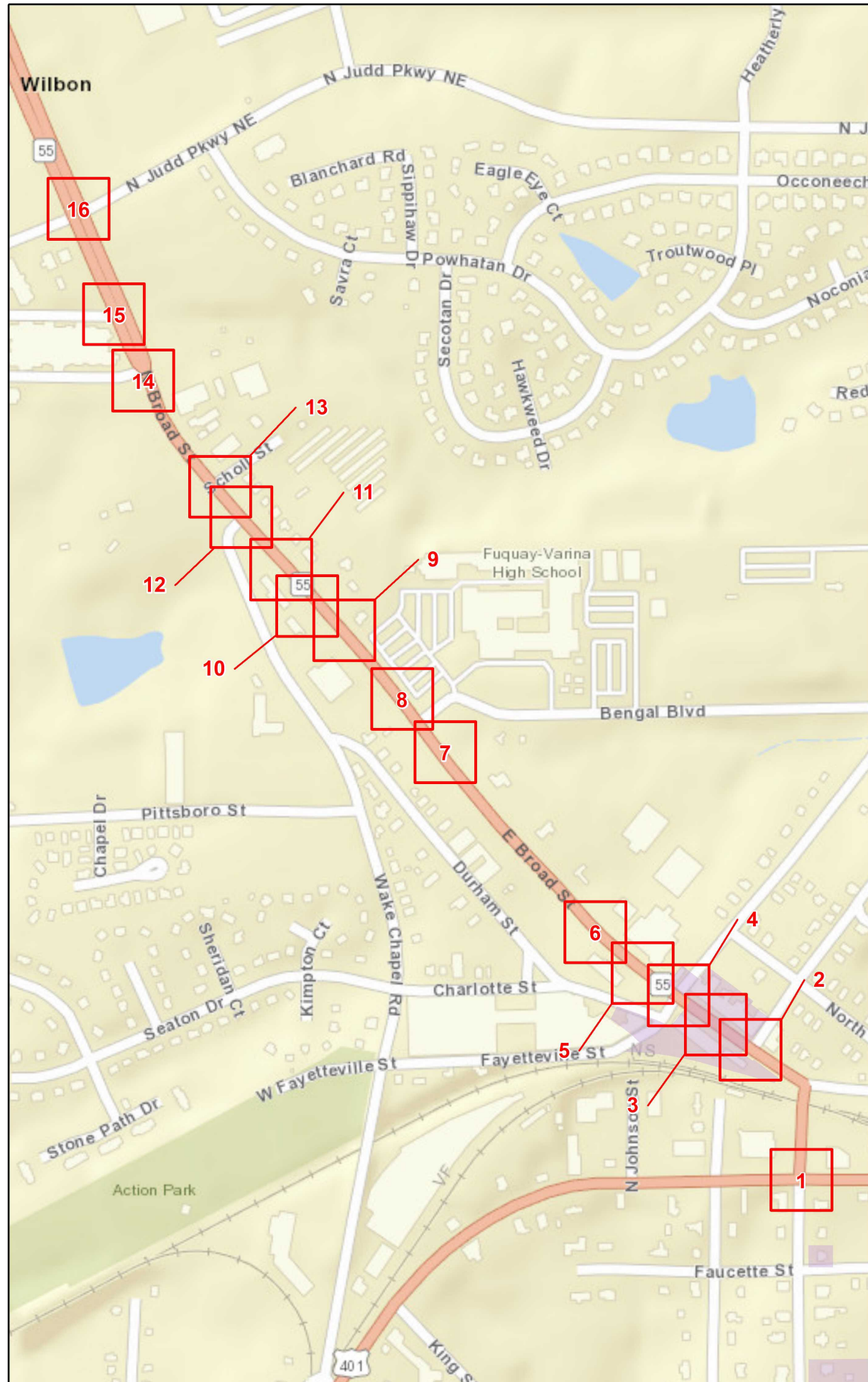
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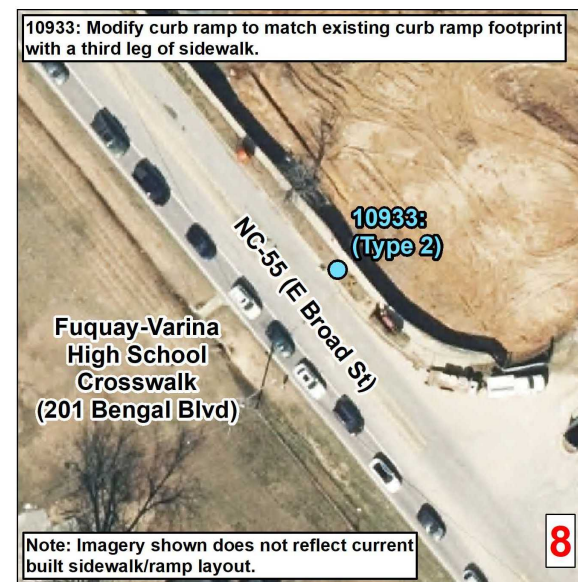
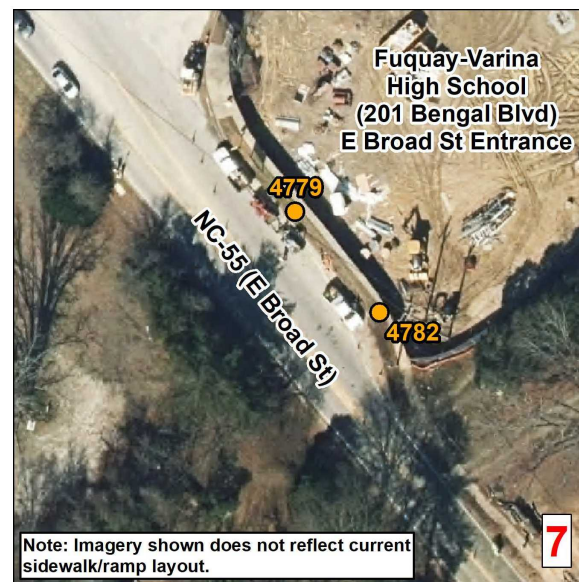
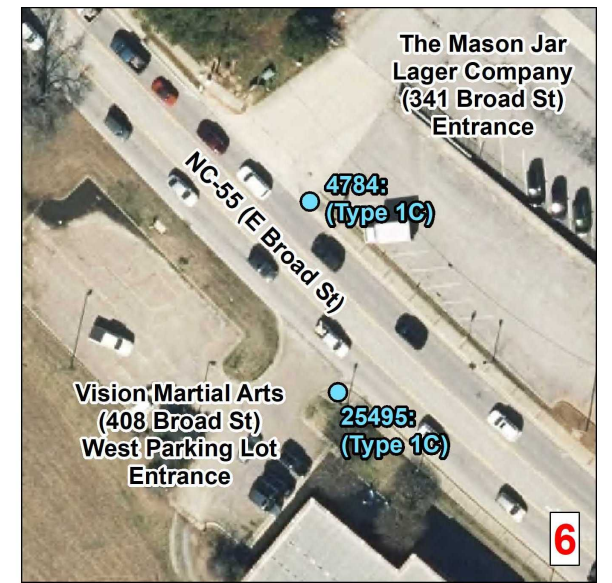
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Sheet No. 8



Curb Ramps To Be Repaired

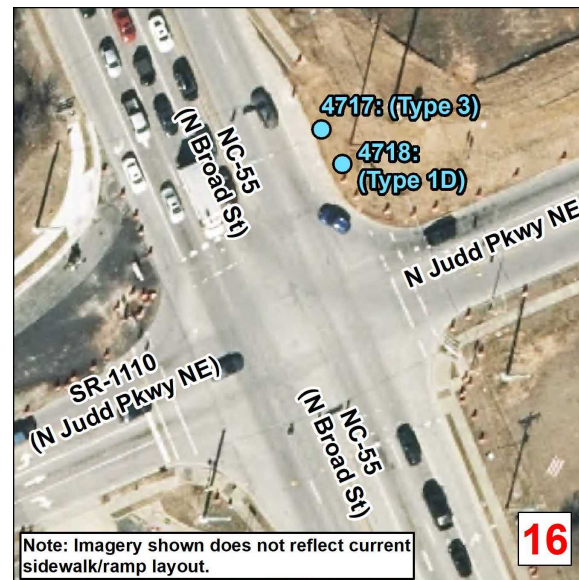
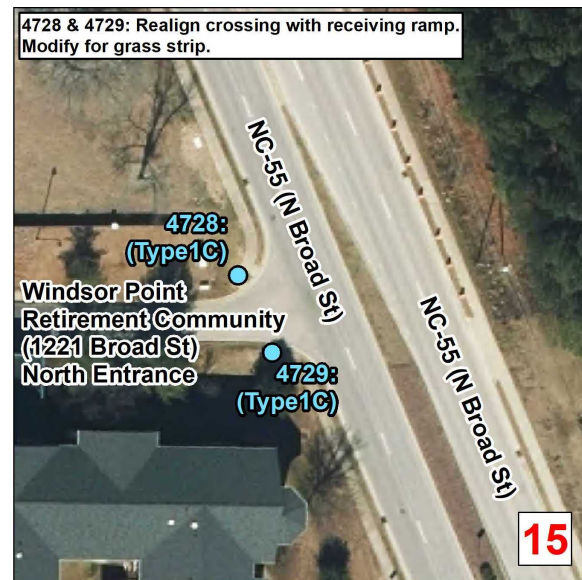
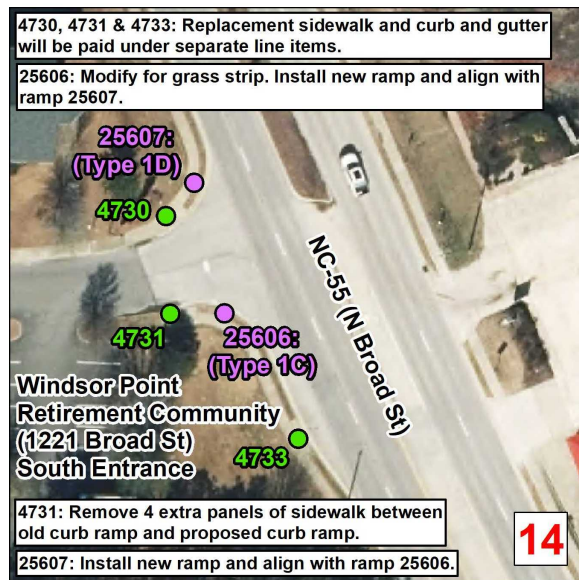
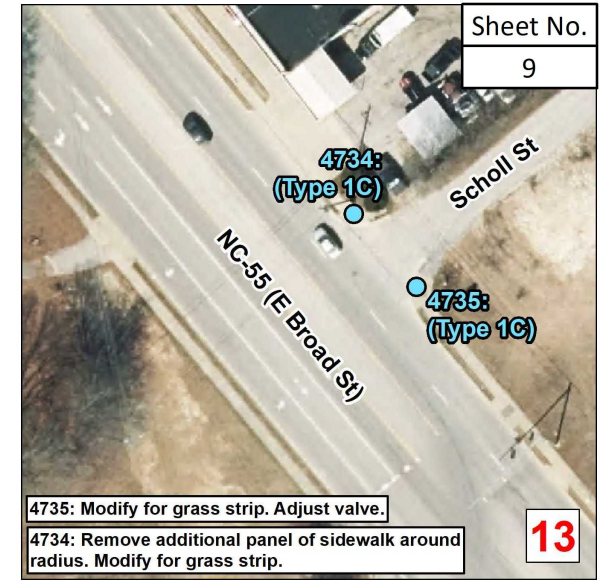
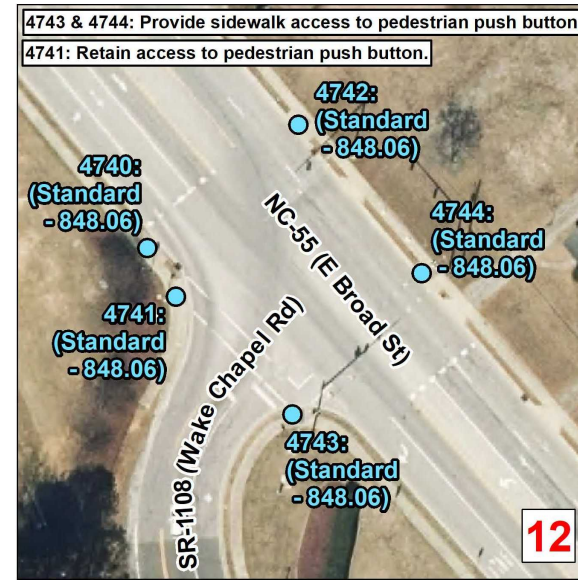
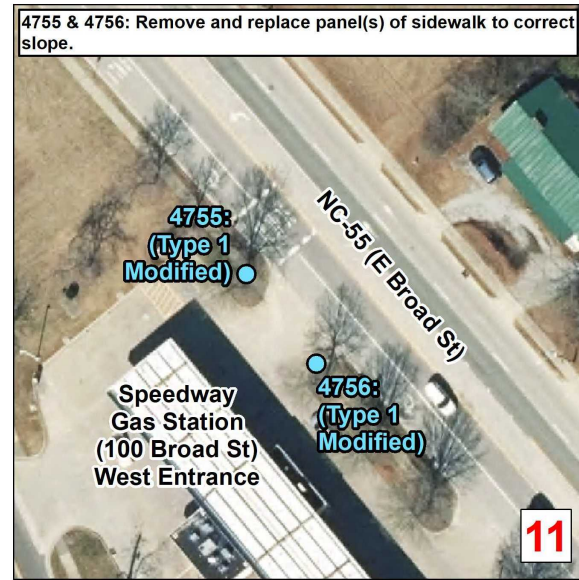
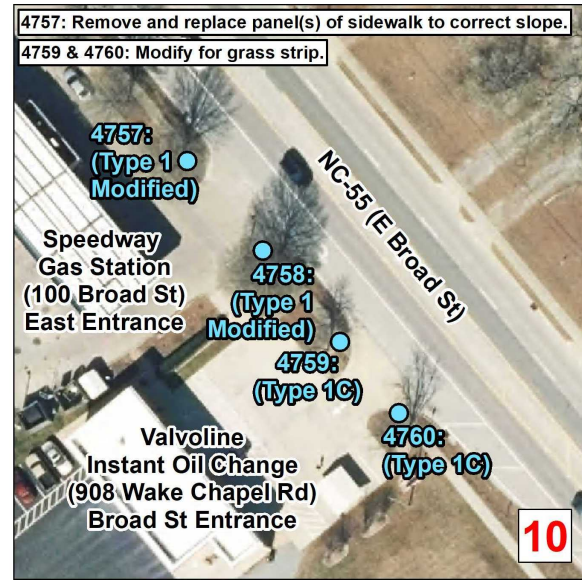
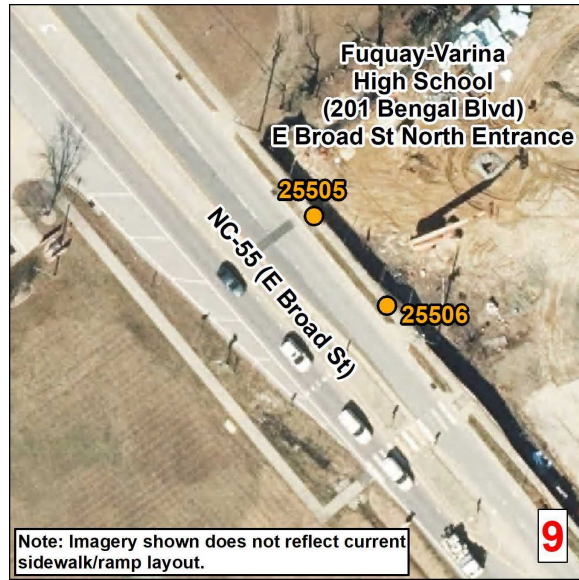
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

Wake
Project Number: 2024CPT.05.07.10921.1
NC 55
From US 401 To SR 5056

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

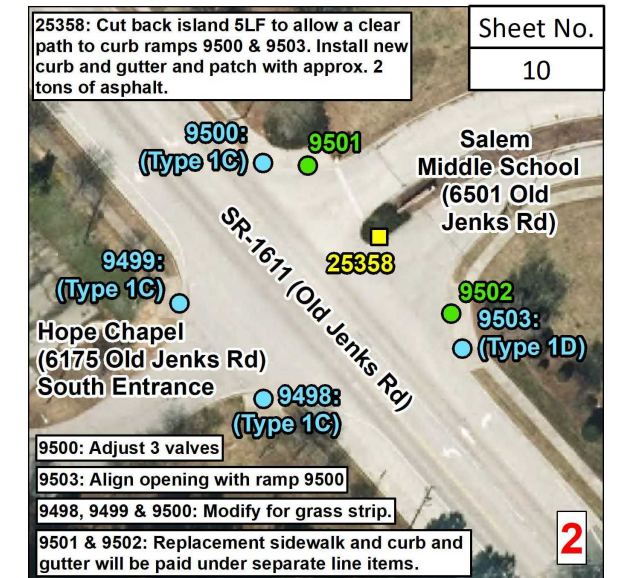
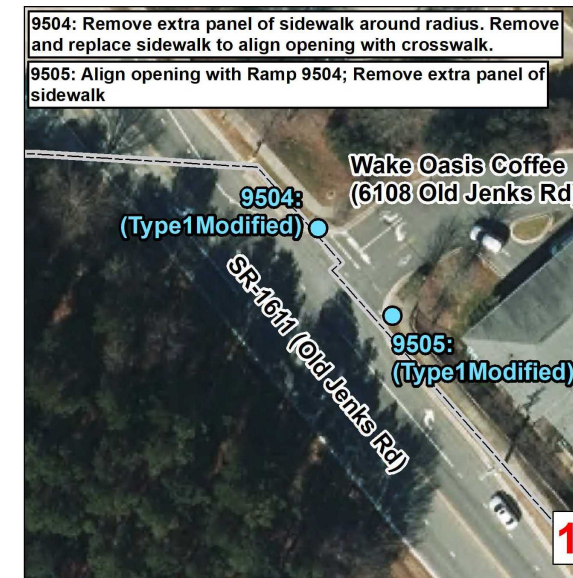
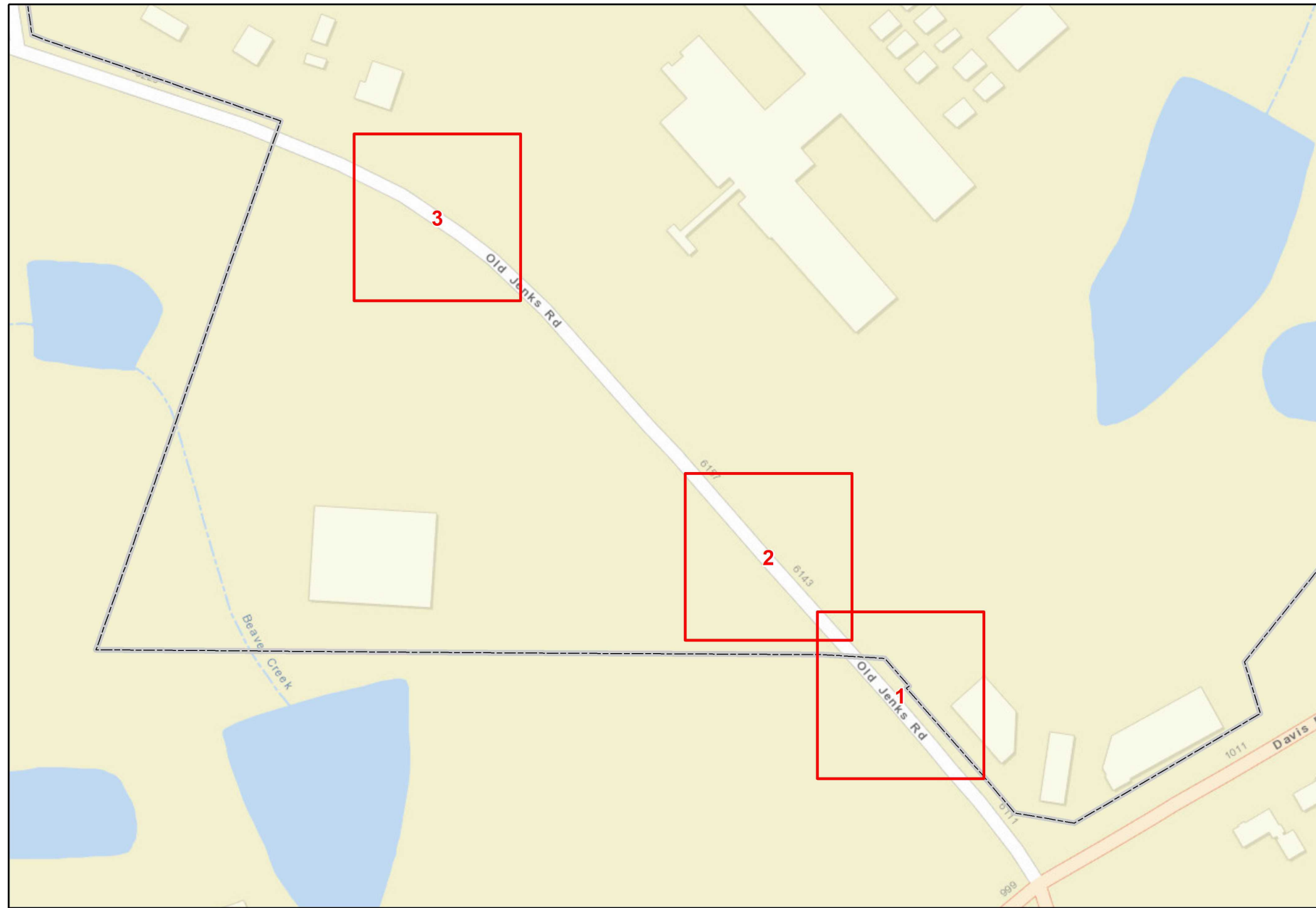
Municipal Boundary

NCHPO Historic Boundary (NR and LHD)

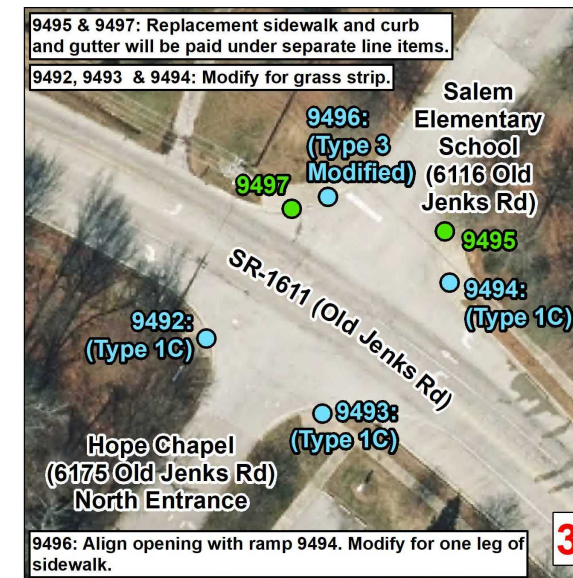
Wake
Project Number: 2024CPT.05.07.10921.1
NC 55
From US 401 To SR 5056

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Sheet No.
10



Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

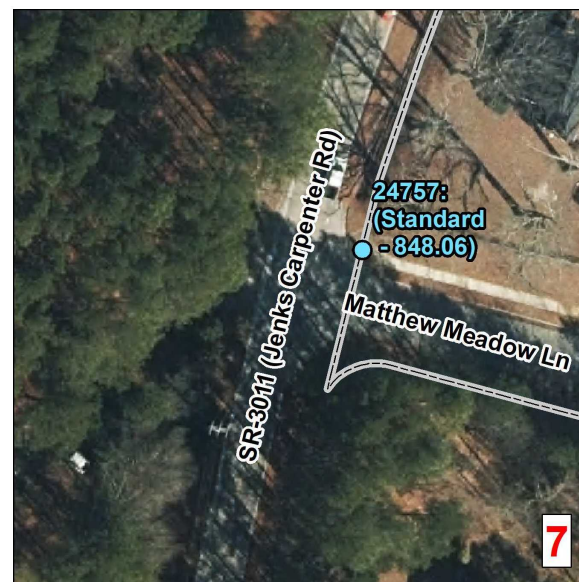
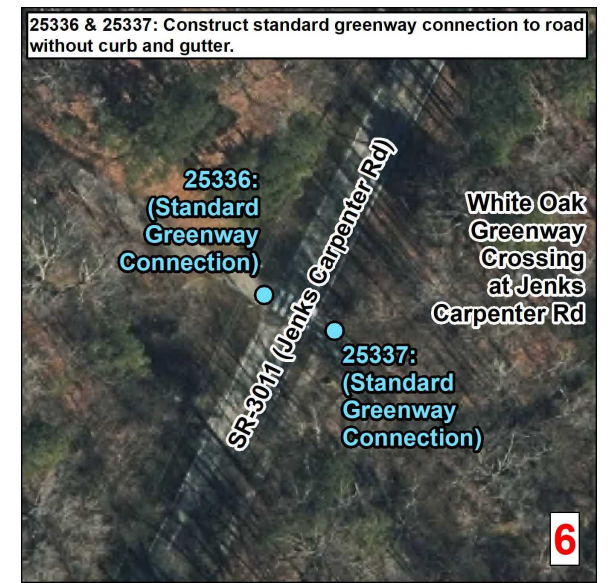
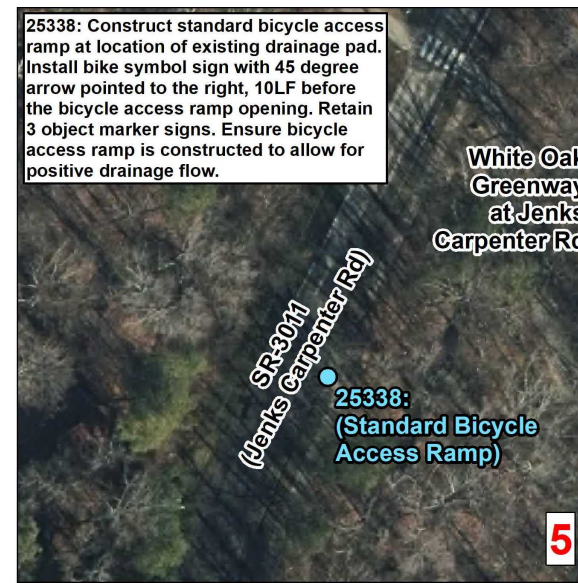
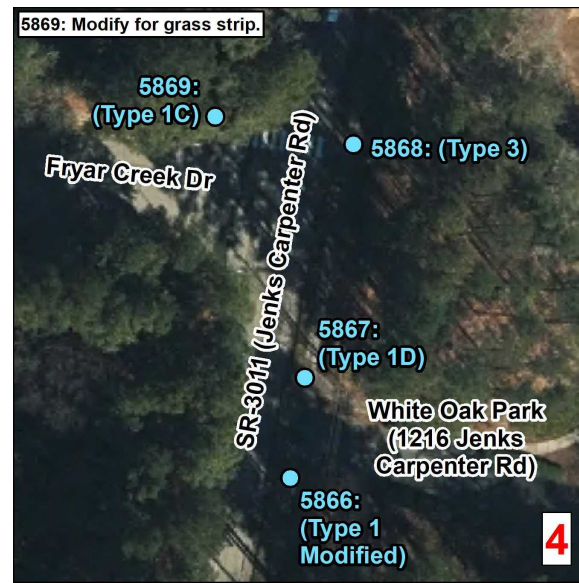
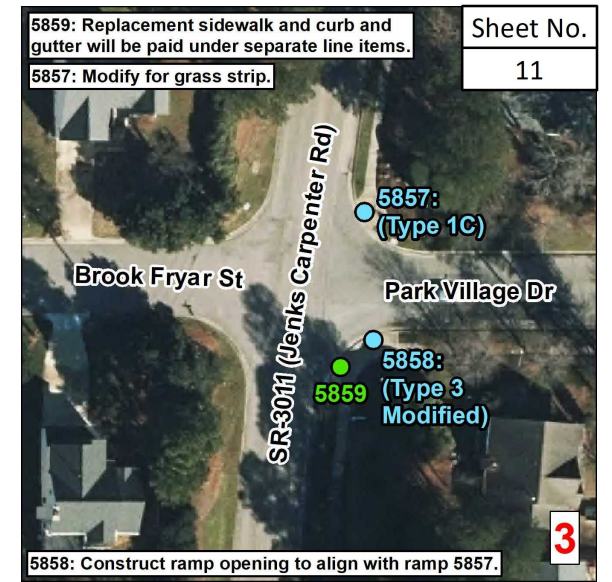
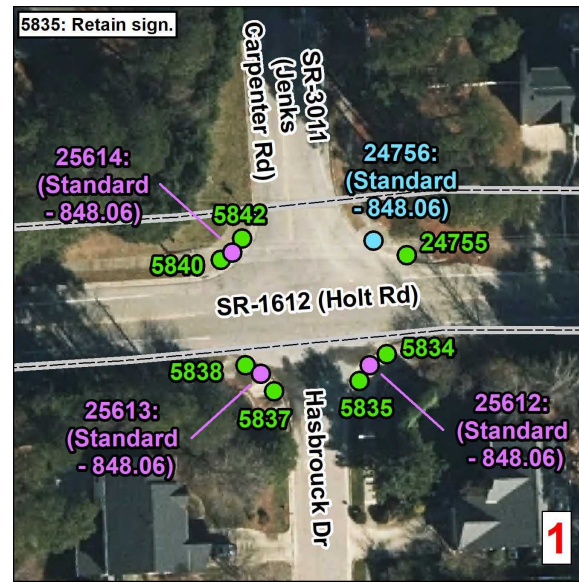
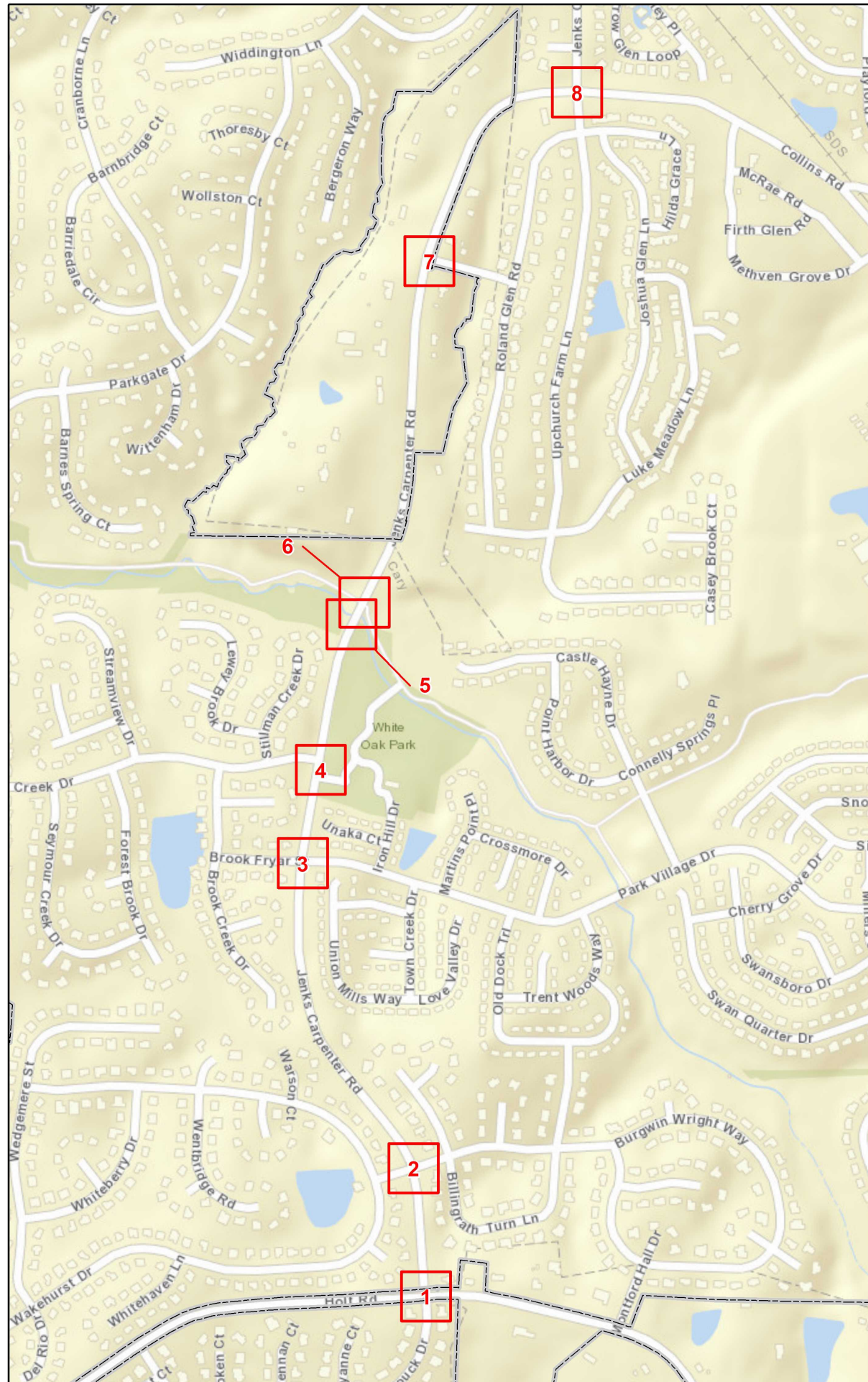
Municipal Boundary

NCHPO Historic Boundary (NR and LHD)

Wake
Project Number: 2024CPT.05.07.20921.1
Old Jenks Rd
From SR 1612 To SR 5878

NORTH CAROLINA DEPARTMENT
 OF TRANSPORTATION
 DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



Curb Ramps To Be Repaired

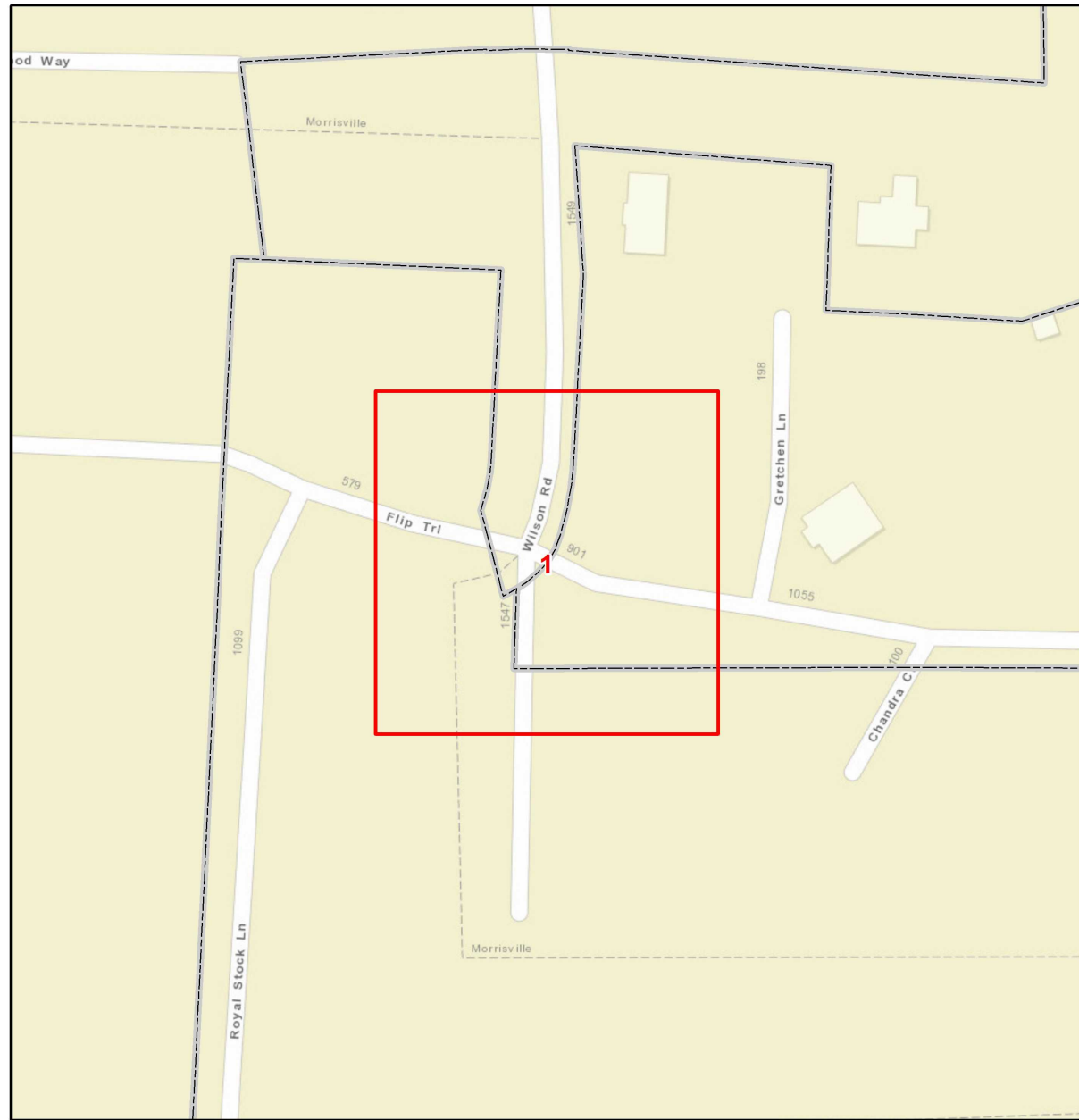
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

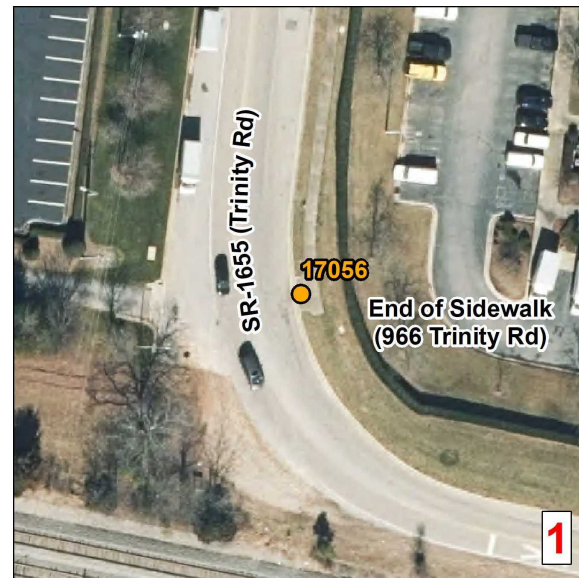
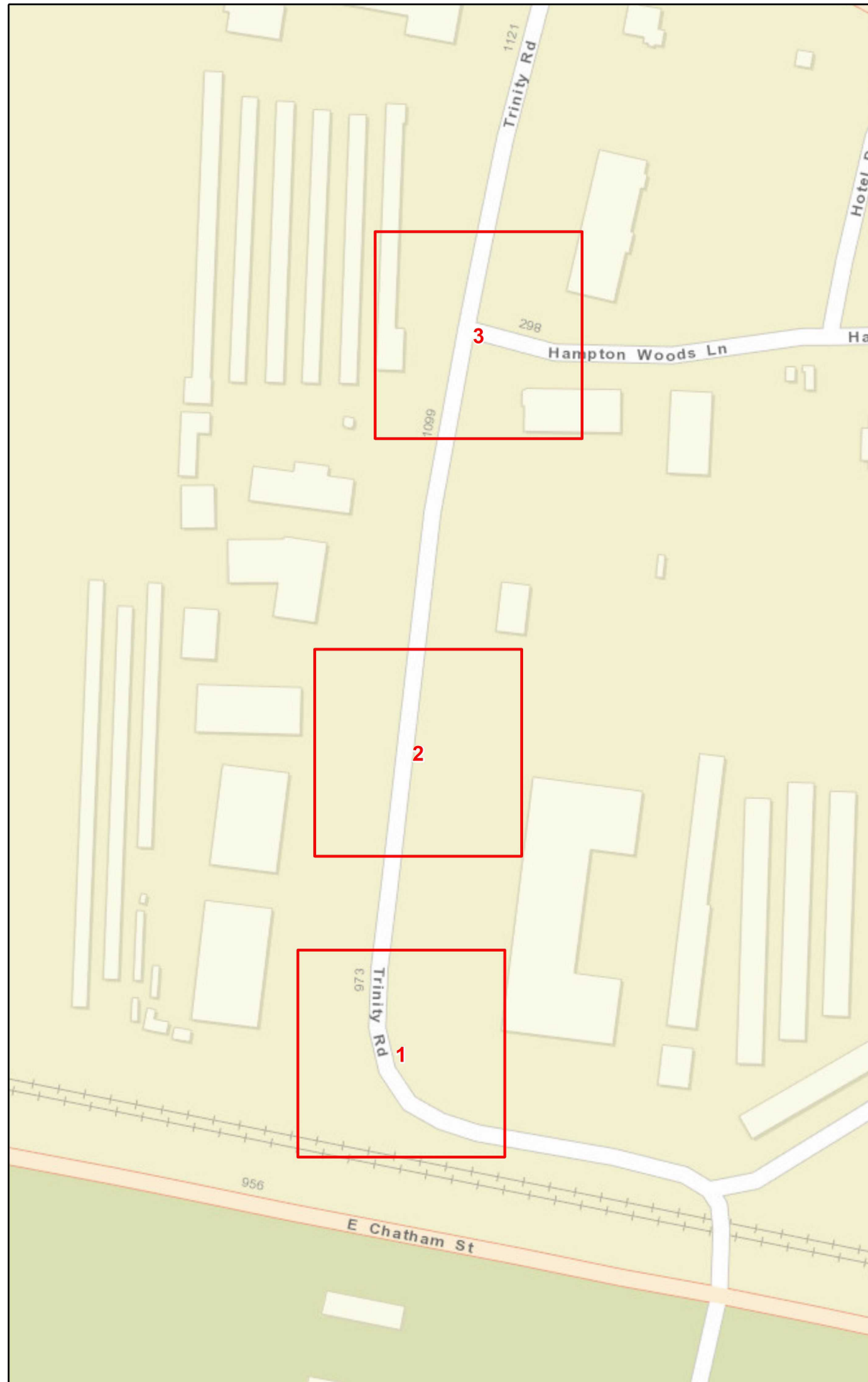
Wake
Project Number: 2024CPT.05.07.20921.1
Jenks Carpenter Rd
From SR 1612 To SR 1618

NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
 DIVISION 5

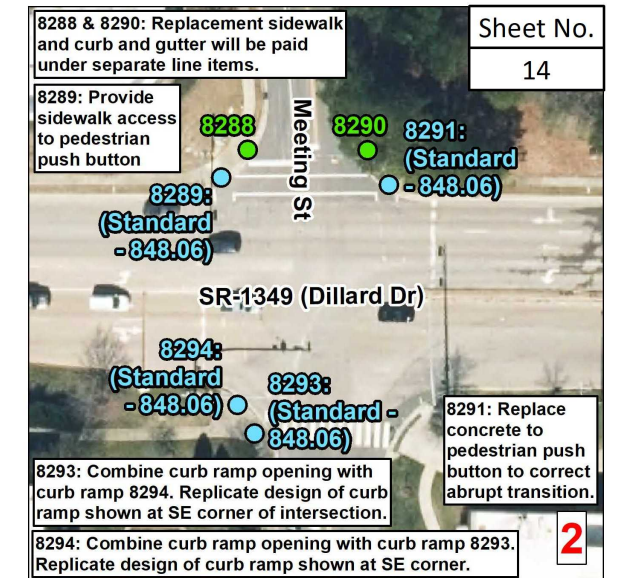
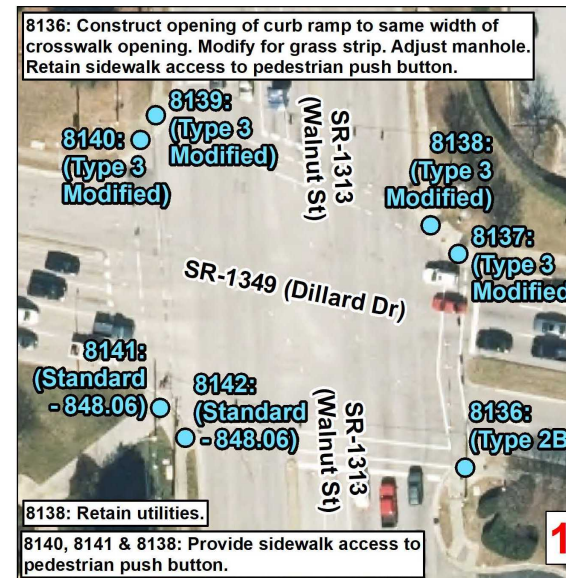
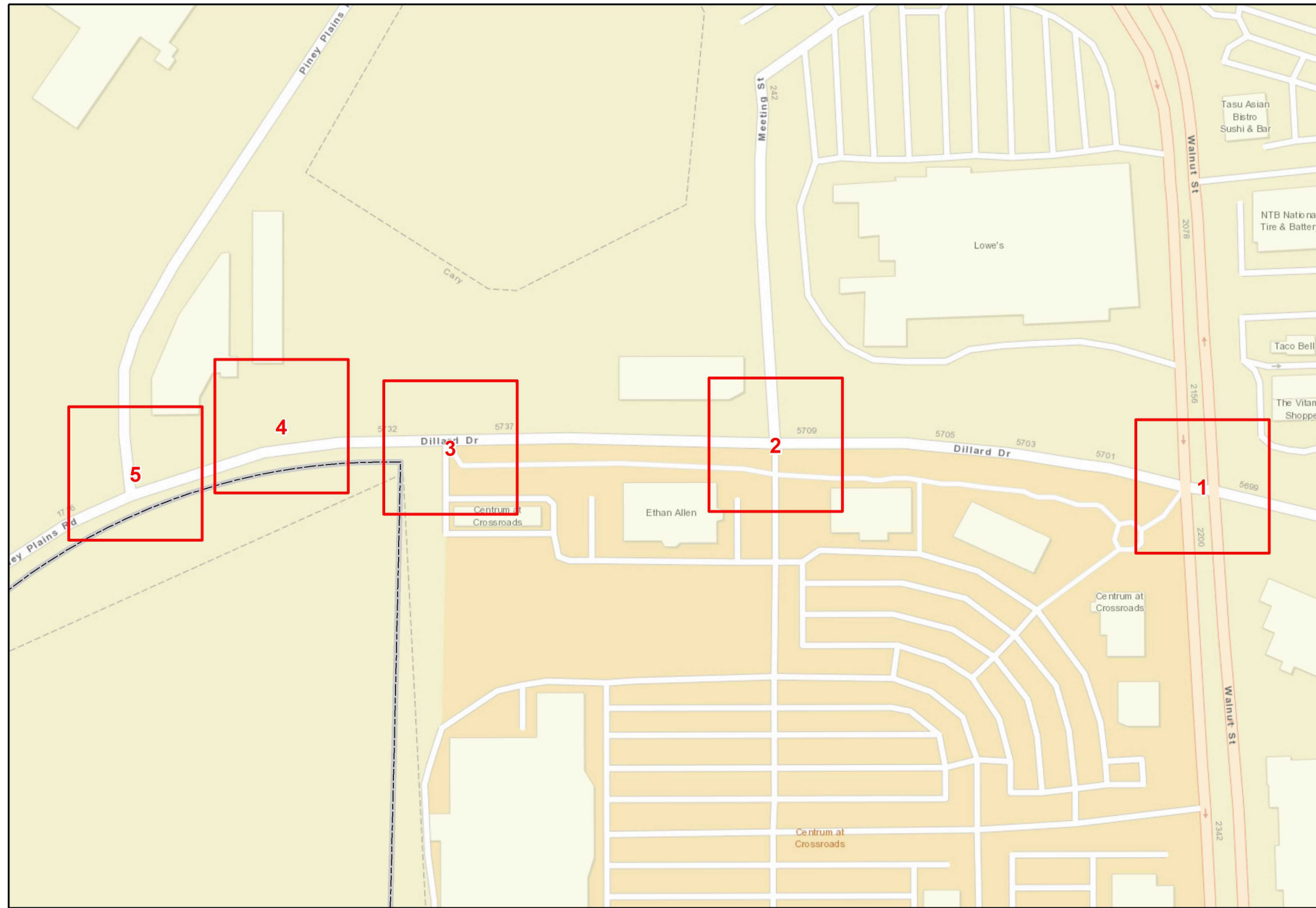
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO



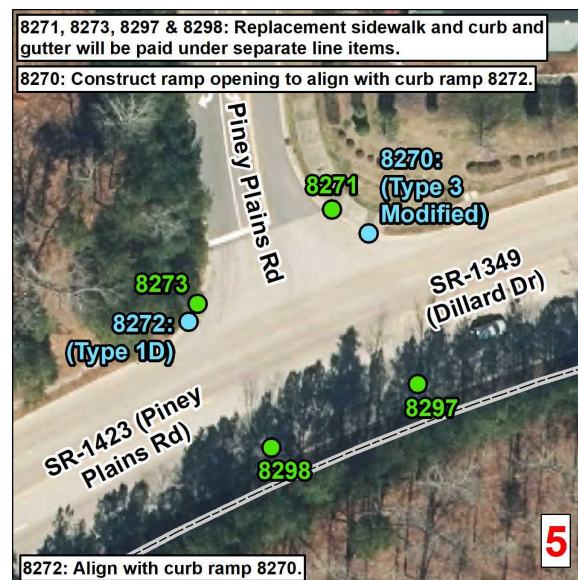
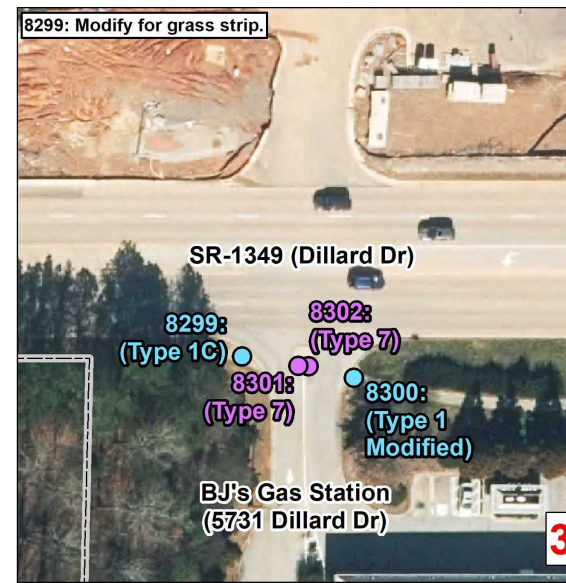
<p>Curb Ramps To Be Repaired</p> <ul style="list-style-type: none"> ● Retrofit ● Remove and Replace ● New Curb Ramp ● Remove Ramp ■ Other 		
<ul style="list-style-type: none"> Municipal Boundary NCHPO Historic Boundary (NR and LHD) 		
<p>Wake Project Number: 2024CPT.05.07.20921.1 Wilson Rd From Flip Trail To END MAINT</p>		
		<p>NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5</p>
<p>Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO</p>		



Curb Ramps To Be Repaired		
●	Retrofit	
●	Remove and Replace	
●	New Curb Ramp	
●	Remove Ramp	
■	Other	
	Municipal Boundary	
	NCHPO Historic Boundary (NR and LHD)	
Wake Project Number: 2024CPT.05.07.20921.1 Trinity Rd From SR 5808 To NC 54		
		NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION 5
Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO		



Sheet No.
14



Curb Ramps To Be Repaired

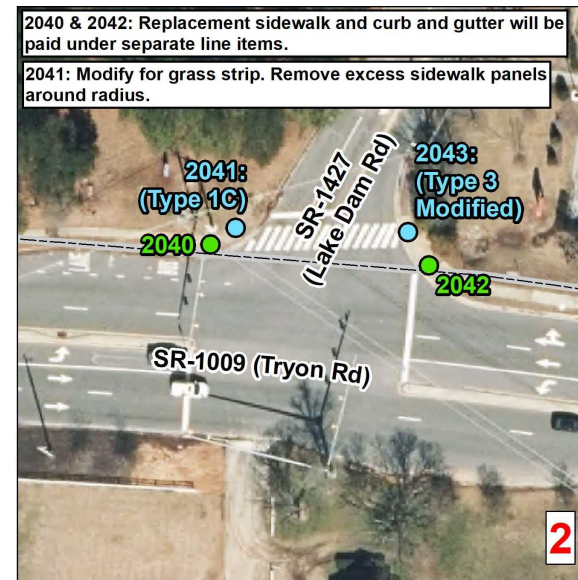
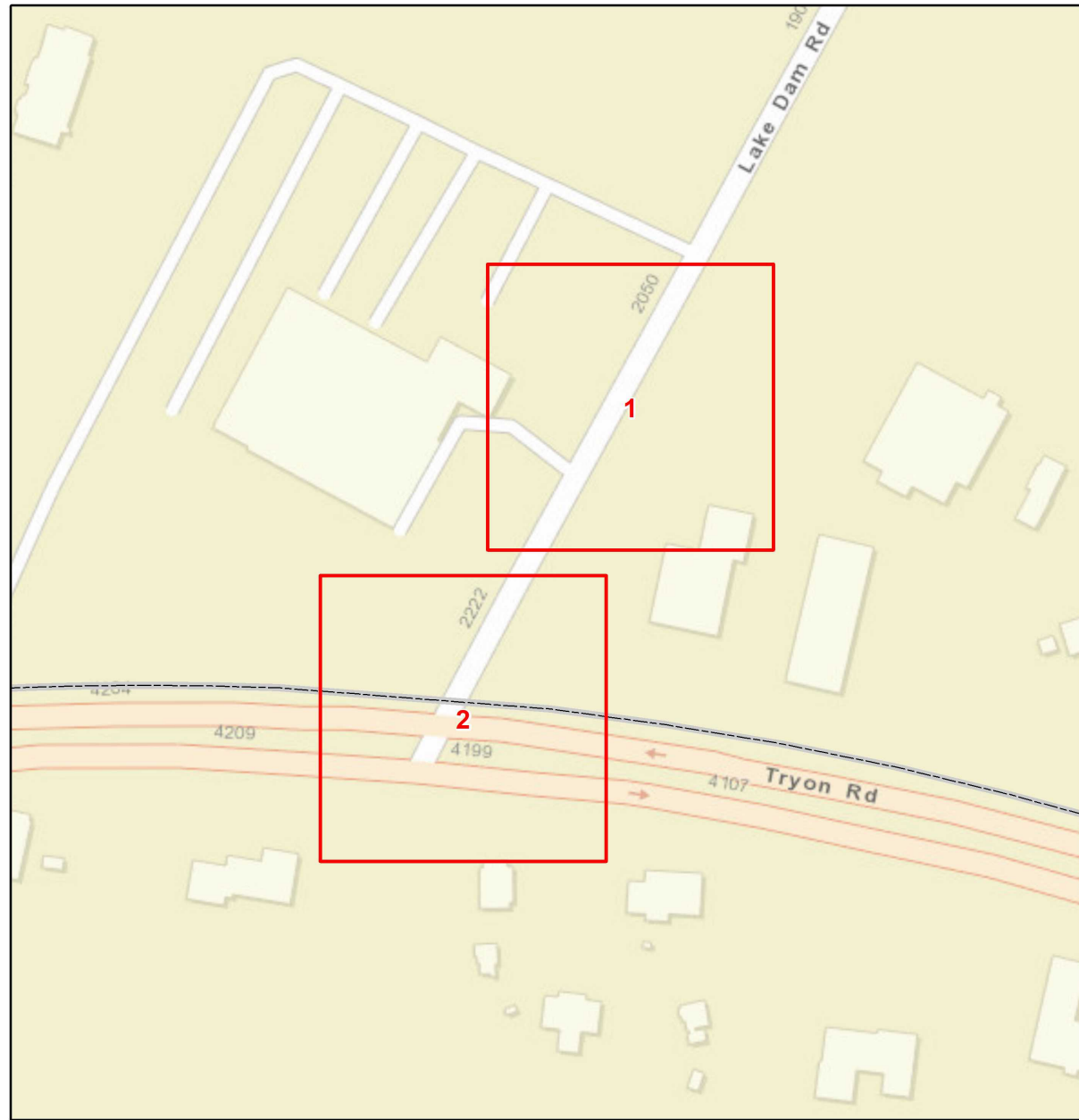
- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)

Wake
Project Number: 2024CPT.05.07.20921.1
Dillard Dr
From SR 1313 To SR 1423

NORTH CAROLINA DEPARTMENT
 OF TRANSPORTATION
 DIVISION 5


Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO




Curb Ramps To Be Repaired

- Retrofit
- Remove and Replace
- New Curb Ramp
- Remove Ramp
- Other

Municipal Boundary
 NCHPO Historic Boundary (NR and LHD)



Wake
Project Number: 2024CPT.05.07.20921.1
Lake Dam Rd
From I-40 To SR 1009



NORTH CAROLINA DEPARTMENT
OF TRANSPORTATION
DIVISION 5

Source: NV5 Engineers and Consultants Inc., ESRI, NC OneMap, NCDOT, NCHPO

PAVEMENT SCHEDULE

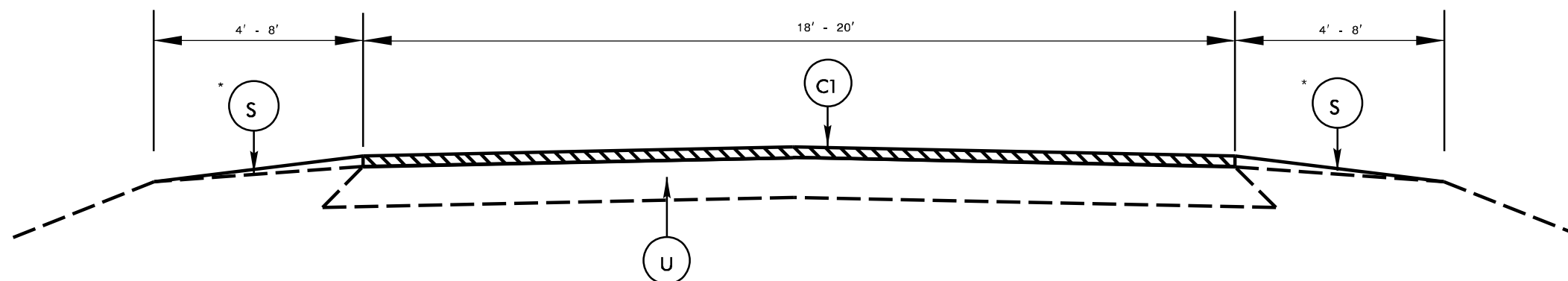
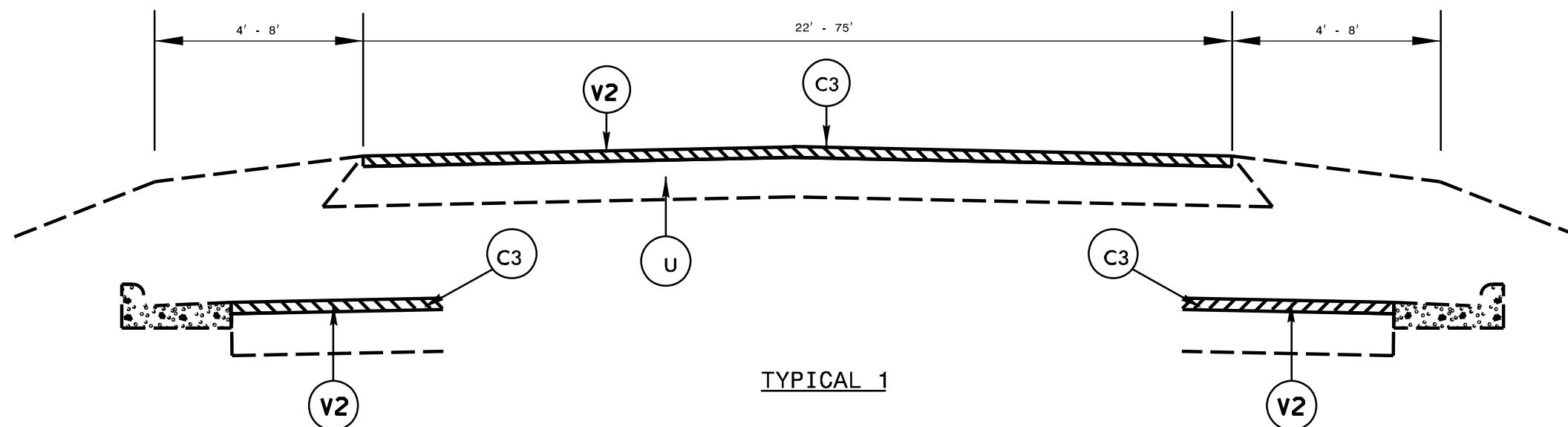
PROJECT REFERENCE NO.

SHEET NO.

2024CPT.05.07.10921.1, etc.

16

C1	1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	1 1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
V1	MILL ASPHALT PAVEMENT, 1 1/2" DEPTH
V2	MILL ASPHALT PAVEMENT, 2" DEPTH
S	SHOULDER RECONSTRUCTION, ASB REQUIRED
U	EXISTING PAVEMENT



* SHOULDER RECONSTRUCTION AS DIRECTED BY THE ENGINEER ON MAP 17
 ** MILL AND FILL UP TO THE CLOSEST PVMT. JOINT TO THE TRACKS ON EACH SIDE OF THE RR TRACKS ON MAP 17

PAVEMENT SCHEDULE

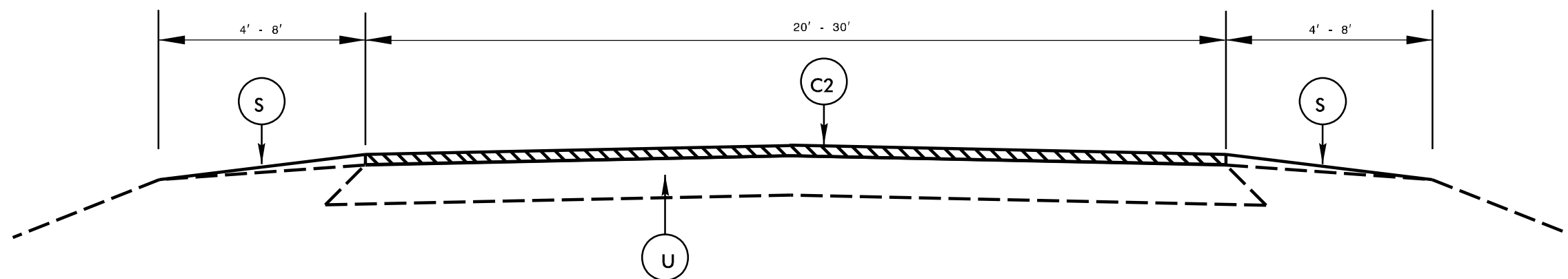
PROJECT REFERENCE NO.

SHEET NO.

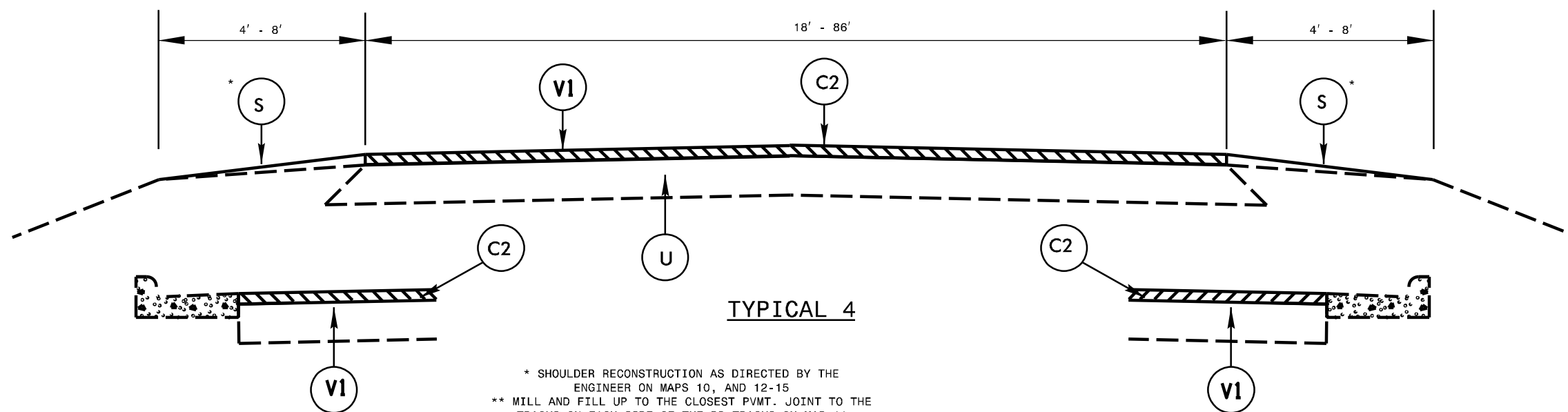
2024CPT.05.07.10921.1, etc.

17

C1	1¼" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 137.5 LBS. PER SQ. YD.
C2	1 ½" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 165 LBS. PER SQ. YD.
C3	2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5C AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
V1	MILL ASPHALT PAVEMENT, 1½" DEPTH
V2	MILL ASPHALT PAVEMENT, 2" DEPTH
S	SHOULDER RECONSTRUCTION, ASB REQUIRED
U	EXISTING PAVEMENT



TYPICAL 3

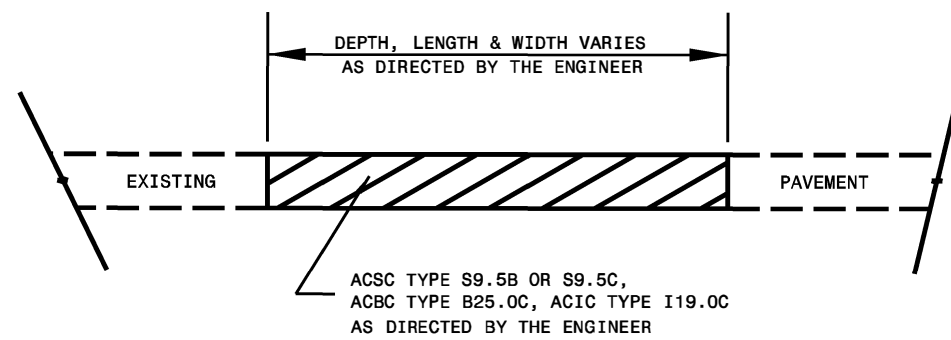


TYPICAL 4

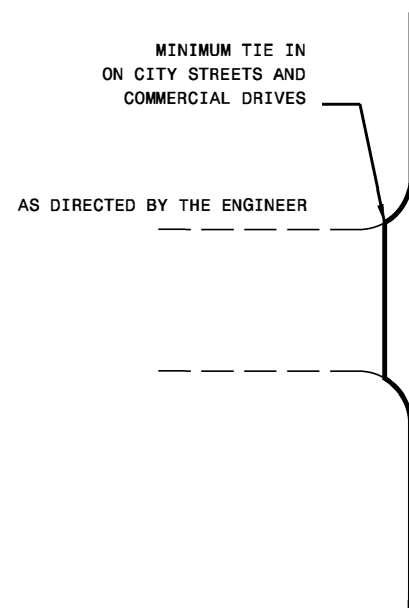
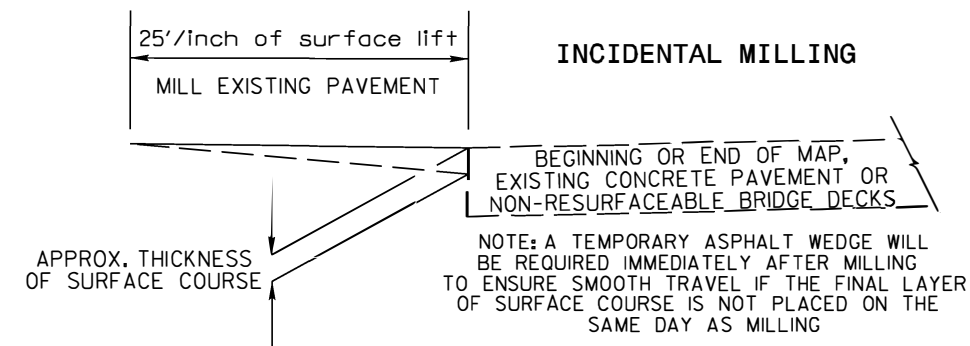
* SHOULDER RECONSTRUCTION AS DIRECTED BY THE ENGINEER ON MAPS 10, AND 12-15
 ** MILL AND FILL UP TO THE CLOSEST PVMT. JOINT TO THE TRACKS ON EACH SIDE OF THE RR TRACKS ON MAP 11

NOTES

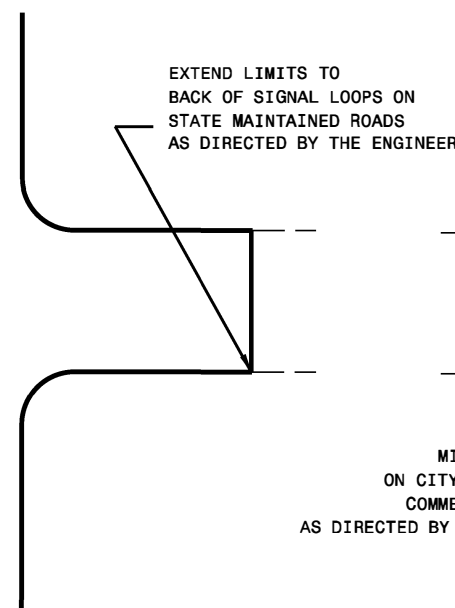
ALL UNPAVED S.R. ROADS TO BE RESURFACED 50' FROM EDGE OF PAVEMENT OF MAIN PROJECT
ALL PAVED S.R. ROADS TO BE RESURFACED TO THE ENDS OF THE RADI, OR AS DIRECTED BY THE ENGINEER.
EDGES, PAVEMENT WIDENING, INTERSECTIONS AND BRIDGE FLARES ARE INCLUDED IN THE TABLE OF QUANTITIES.
BRIDGES TO BE RESURFACED AT LOCATIONS AND TO DEPTH AS DIRECTED BY THE ENGINEER.



PATCHING EXISTING PAVEMENT
MILLING TO BE PERFORMED PRIOR TO PATCHING

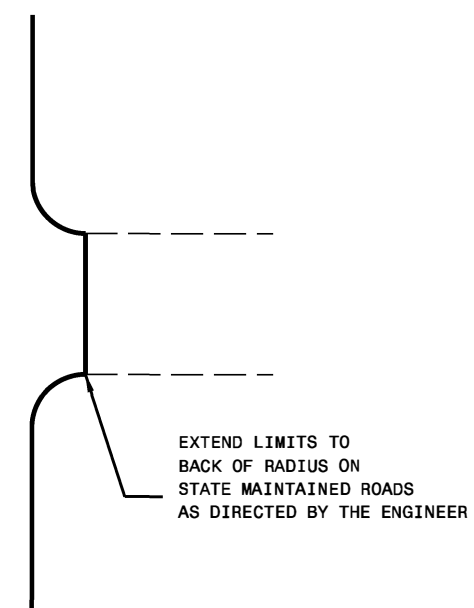


DETAIL OF PROJECT LIMITS AT SIGNALIZED Y LINES



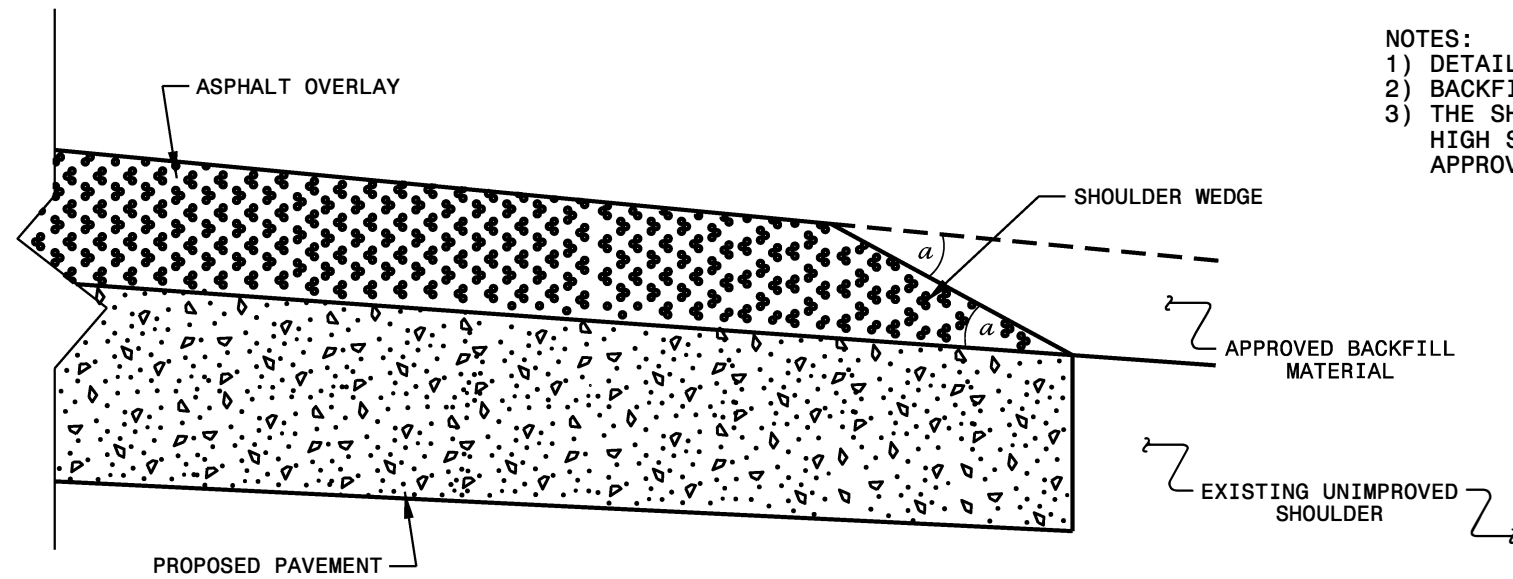
MINIMUM TIE IN ON CITY STREETS AND COMMERCIAL DRIVES AS DIRECTED BY THE ENGINEER

DETAIL OF PROJECT LIMITS AT UNSIGNALIZED Y LINES



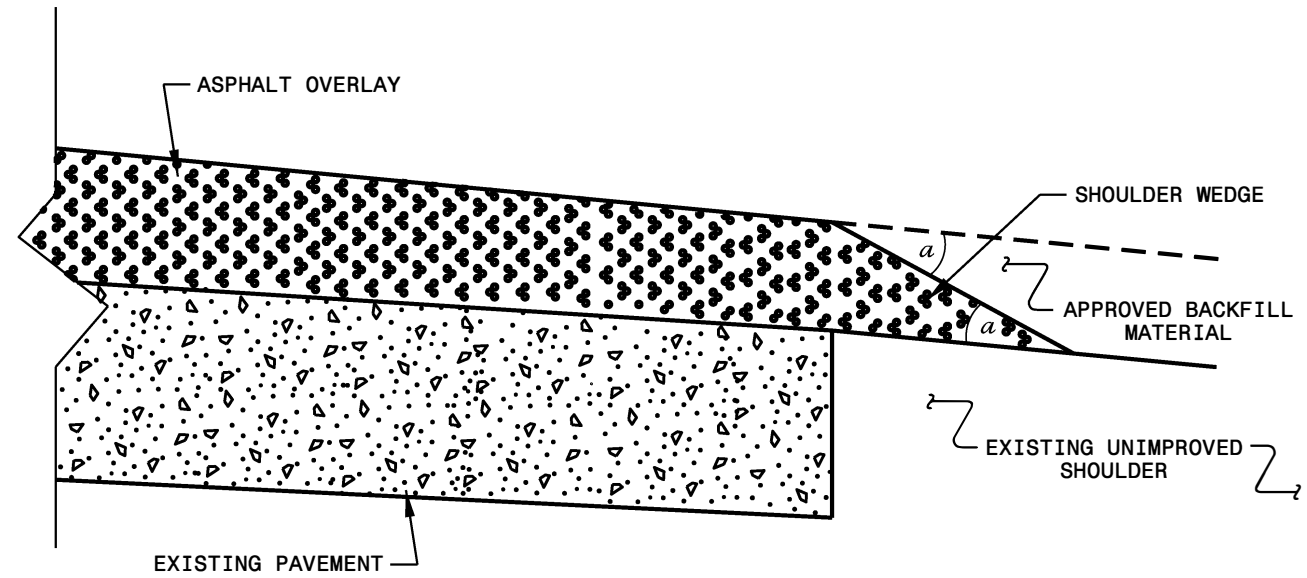
NOTES:

- 1) DETAIL DOES NOT APPLY TO OGAFB AND ULTRA-THIN BONDED WEARING COURSE.
- 2) BACKFILL SHOULDER WITH APPROVED MATERIAL.
- 3) THE SHOULDER WEDGE DEVICE MAY BE DISENGAGED AT PAVED DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT AS APPROVED BY THE ENGINEER.



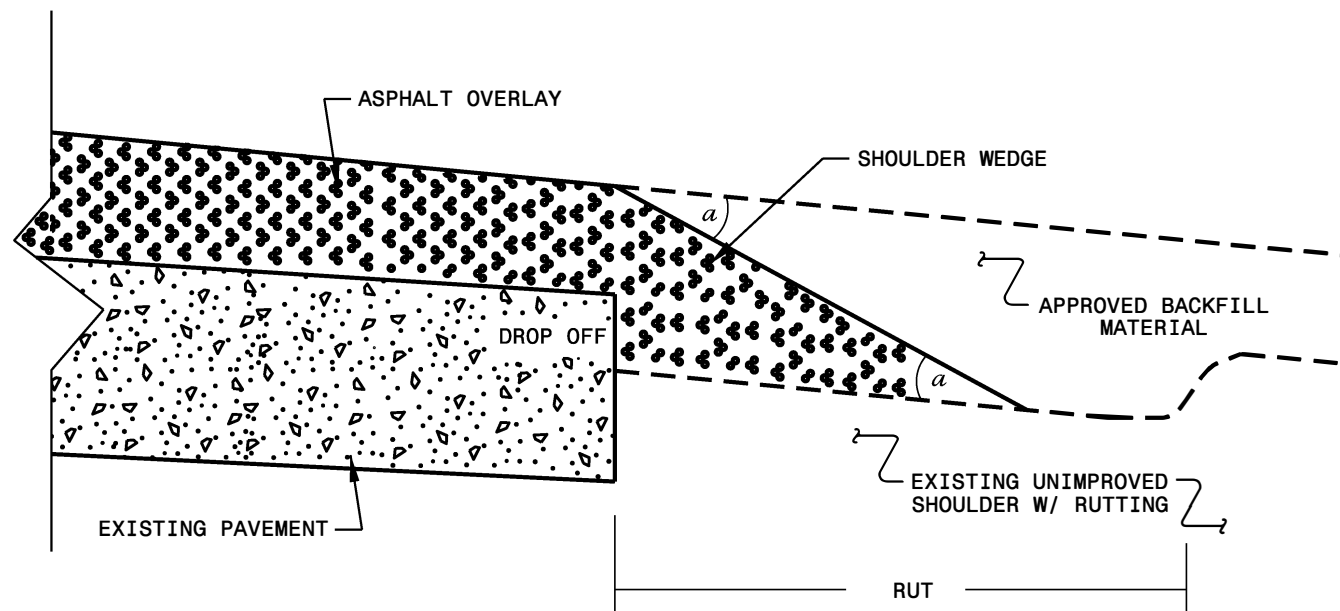
SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ Widening or with Existing Paved Shoulder having no dropoffs)



SHOULDER WEDGE DETAIL

(Resurfacing Projects w/ NO Widening)



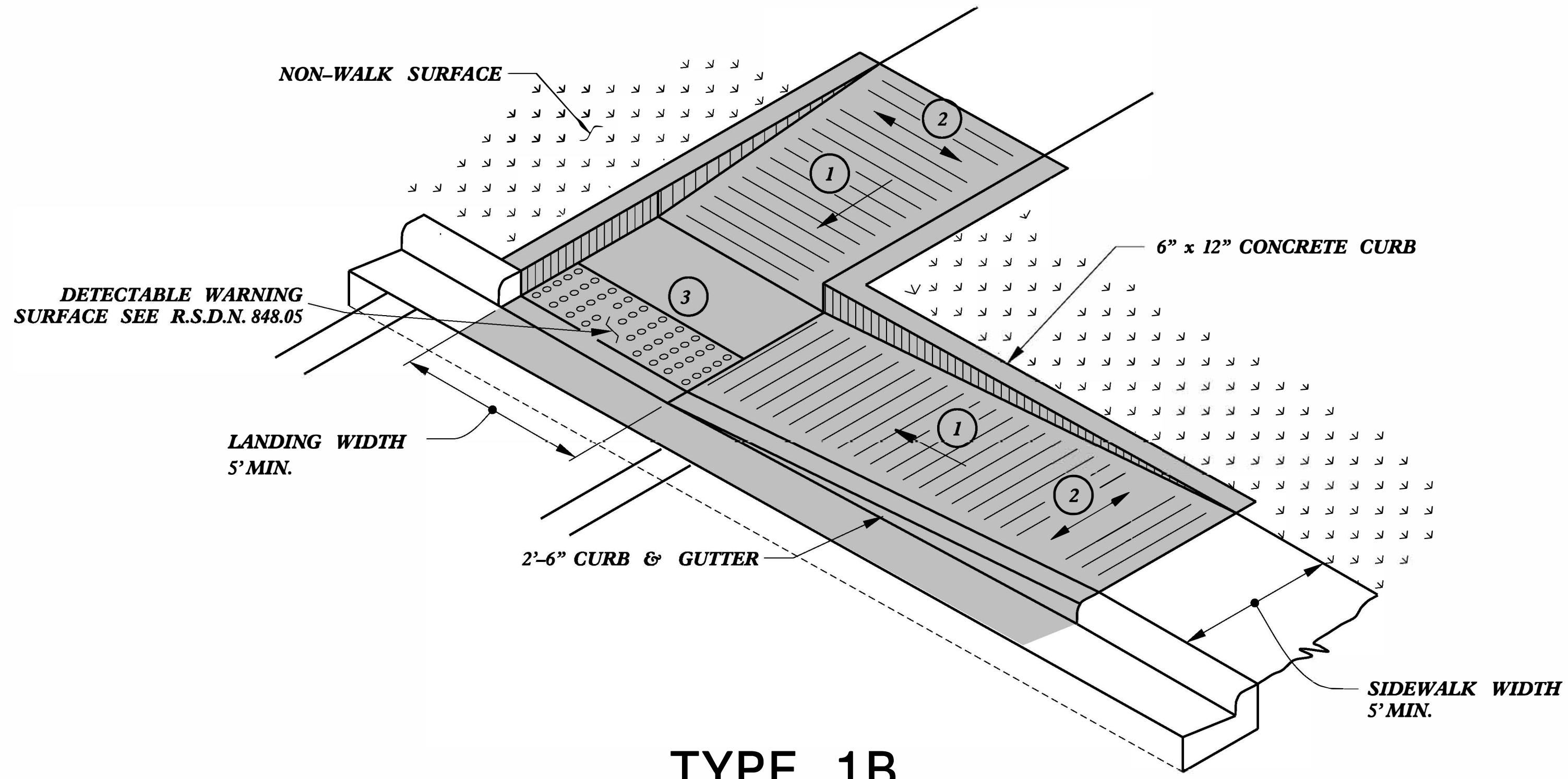
SHOULDER WEDGE DETAIL

(Resurfacing Adjacent to Rutted Shoulder)

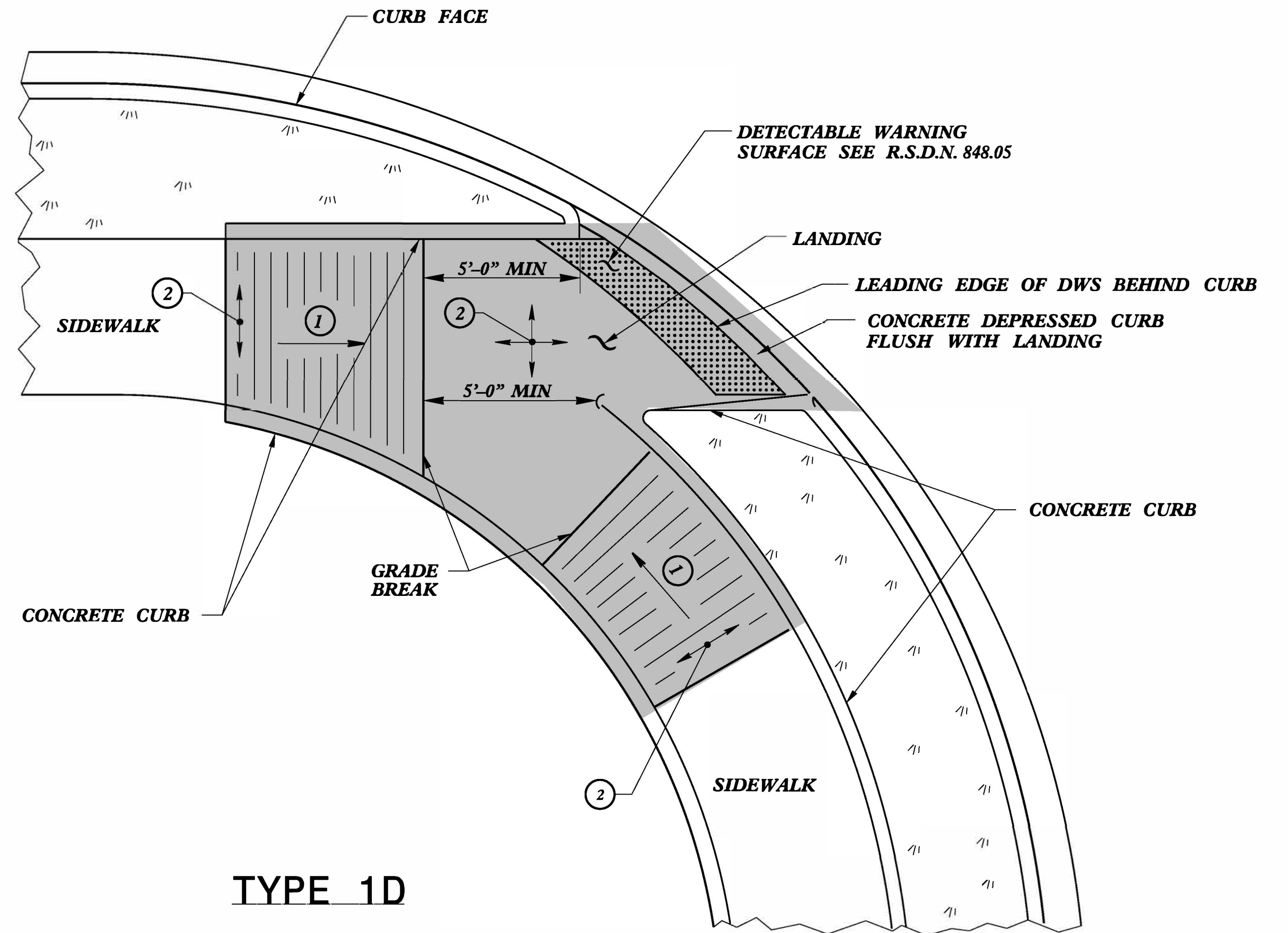
- SHOULDER WEDGE ANGLE = 30°

CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
SHOULDER WEDGE DETAILS	
ORIGINAL BY: T.SPELL	DATE: 7-19-11
MODIFIED BY:	DATE: 2/2/16
CHECKED BY:	DATE:
FILE SPEC.: s:\usr\details\stand\shoulderwedgedetail.dgn	

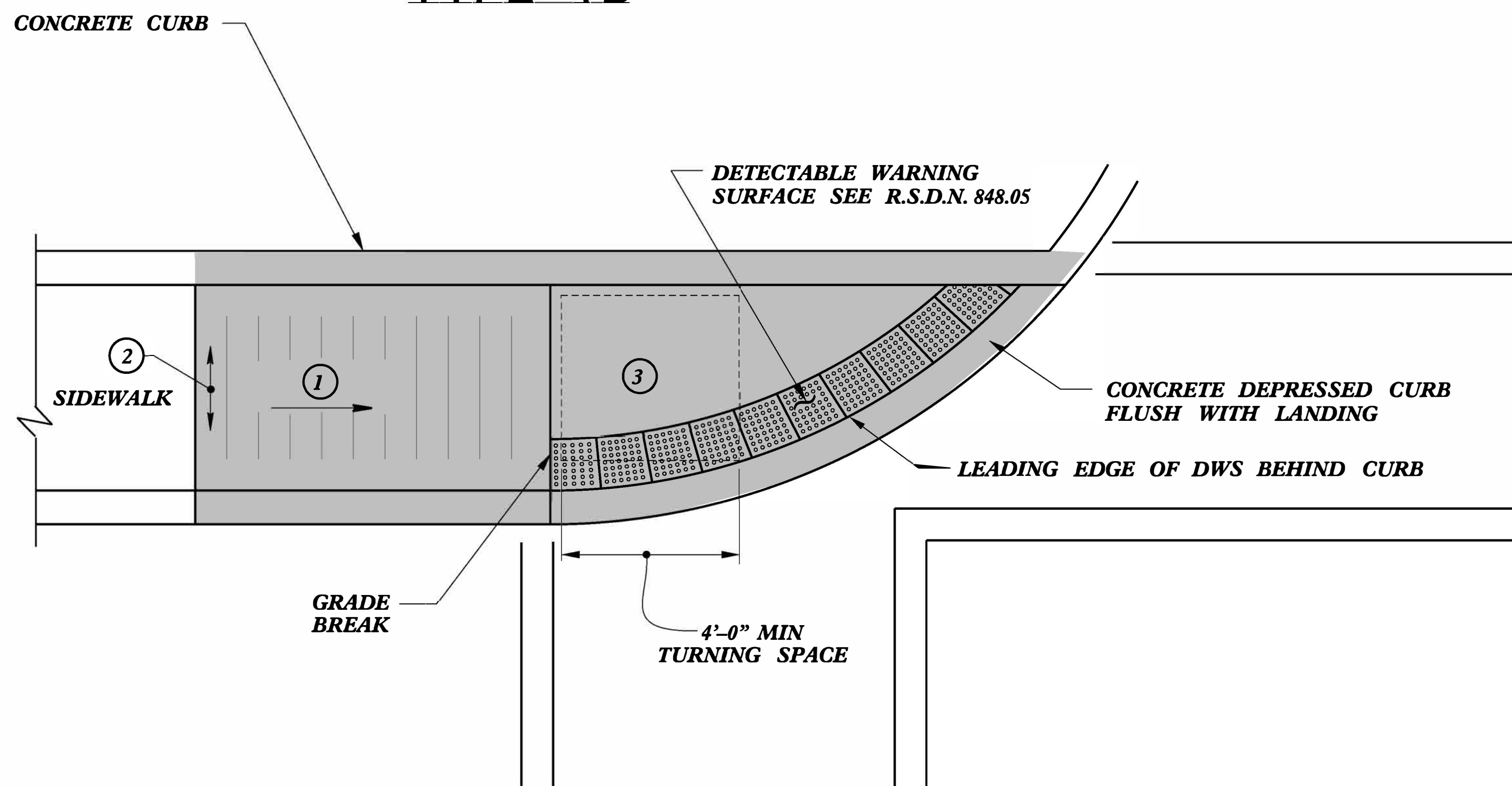
22-MAN-2018-0941
 S:\Contracts\2018\Resurfacing Projects\Division 4\I-5937 Wilson March 2018\Revised Shoulder Wedge Detail.dgn
 P:\piper\an\USD\2018\2018



TYPE 1B



TYPE 1D

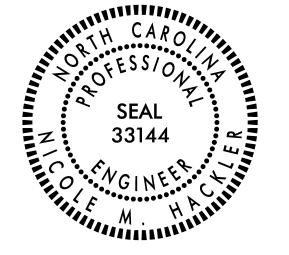


TYPE 1C

- ① 8.33% (12:1) MAX RAMP SLOPE
- ② CROSS SLOPE: 2.00%
- ③ CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

PAY LIMITS FOR 1 CURB RAMP

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

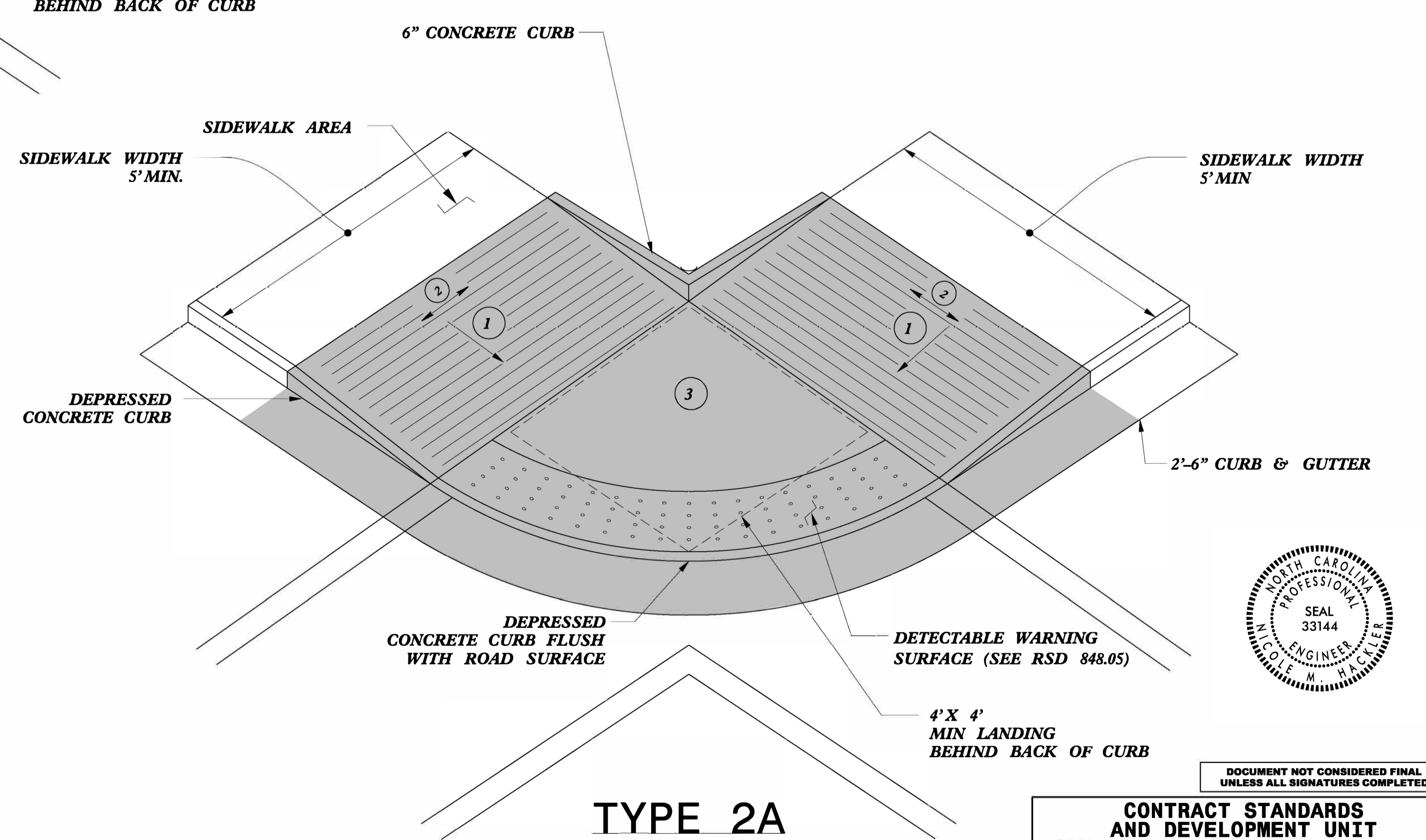
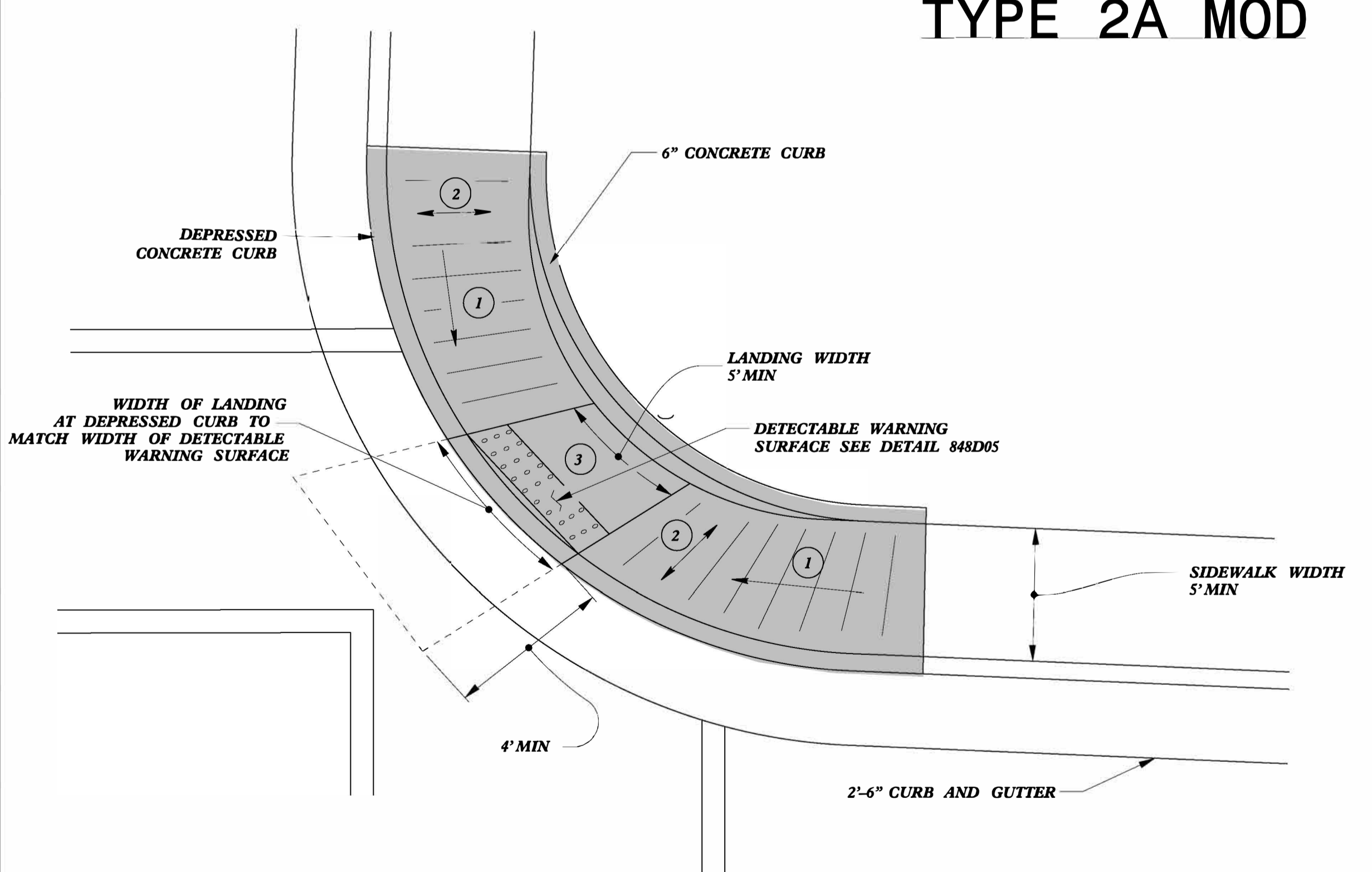
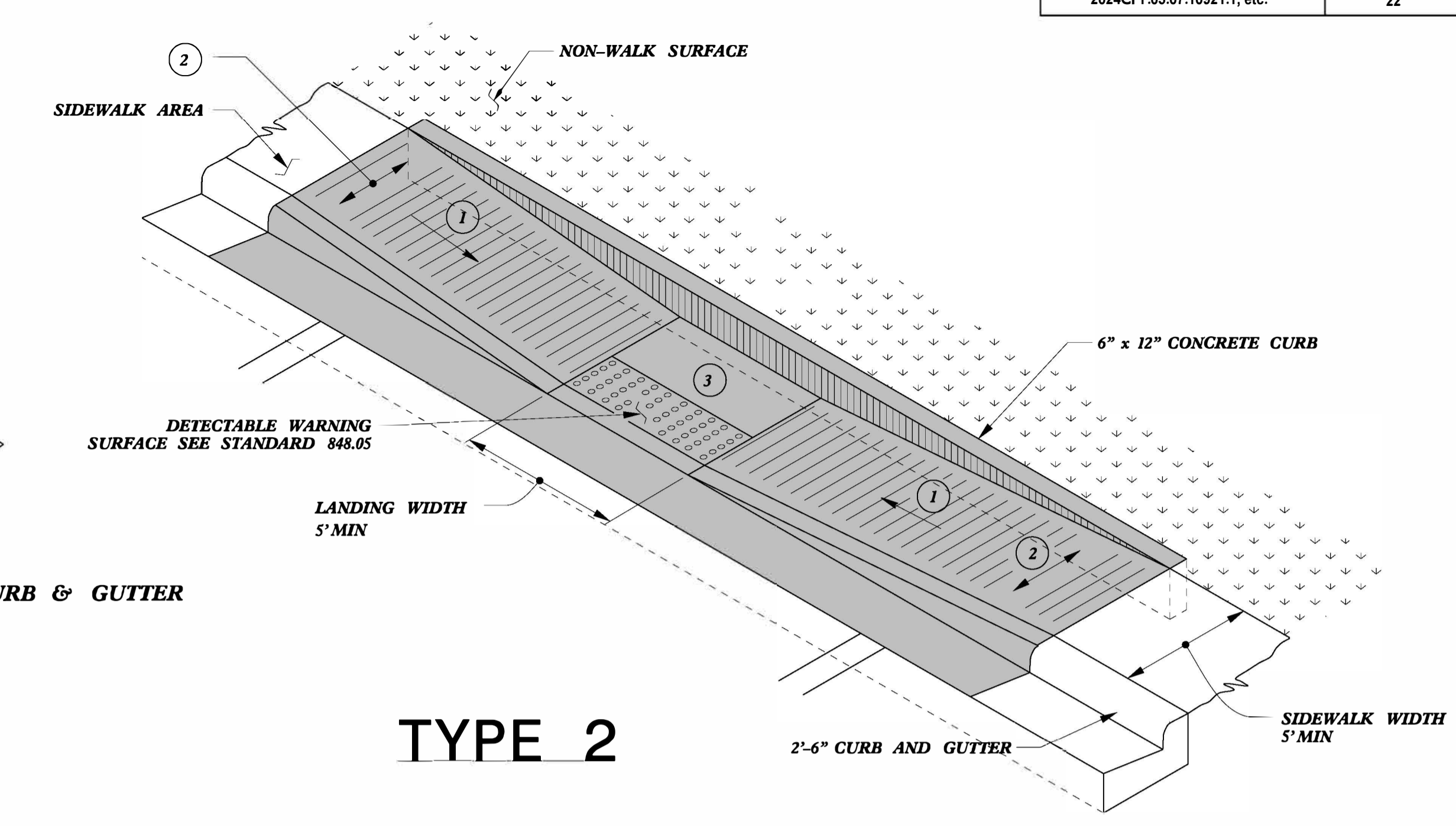
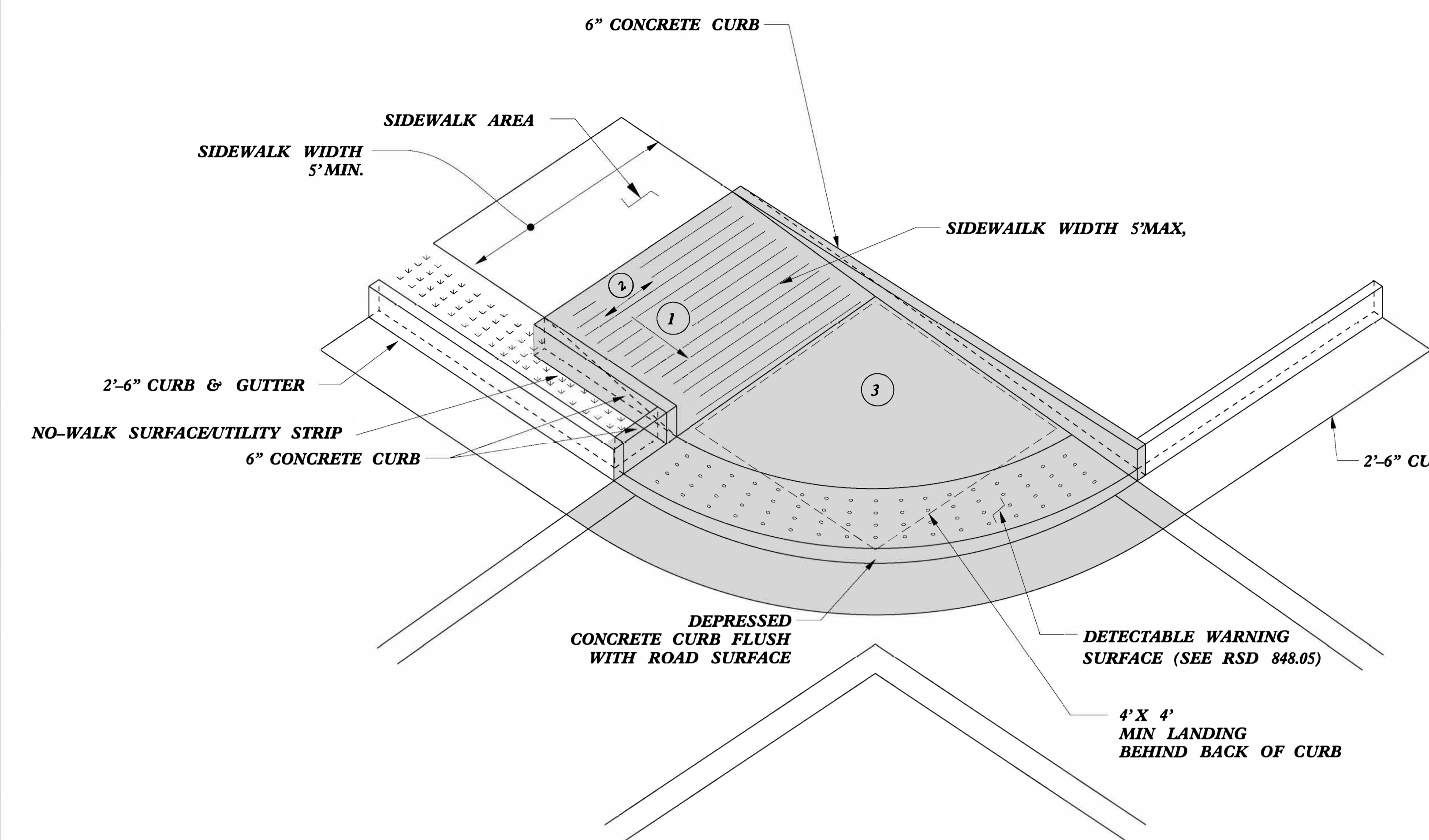
**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS
Directional Ramps

ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dwg

5/14/99
 SYSTEMS DESIGN SERVICES
 1000 W. LENOX AVENUE
 RALEIGH, NC 27601
 TEL: 919-707-6950 FAX: 919-250-4119
 WWW.SDSYSTEMS.COM

5/14/99



- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

PAY LIMITS FOR 1 CURB RAMP

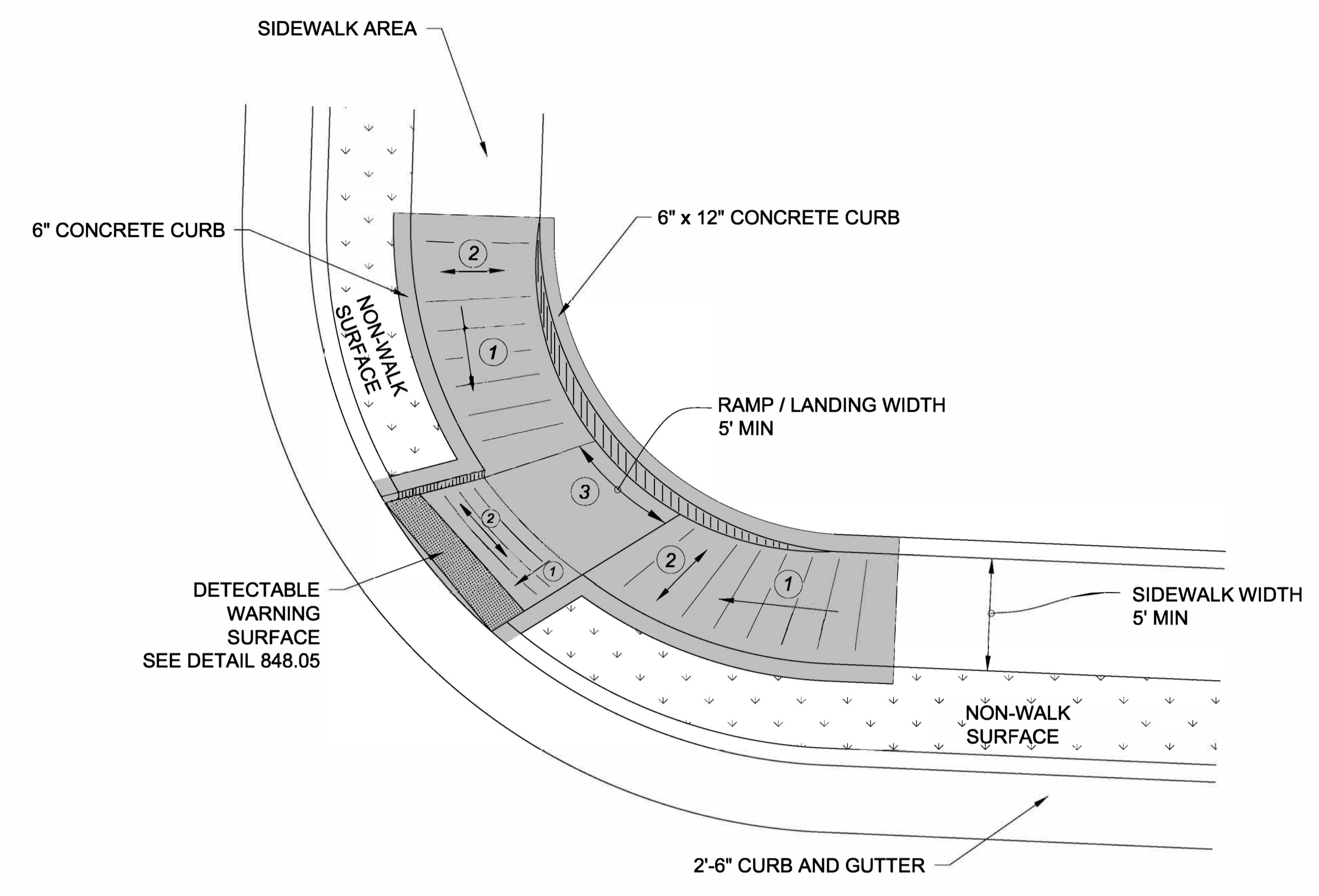


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

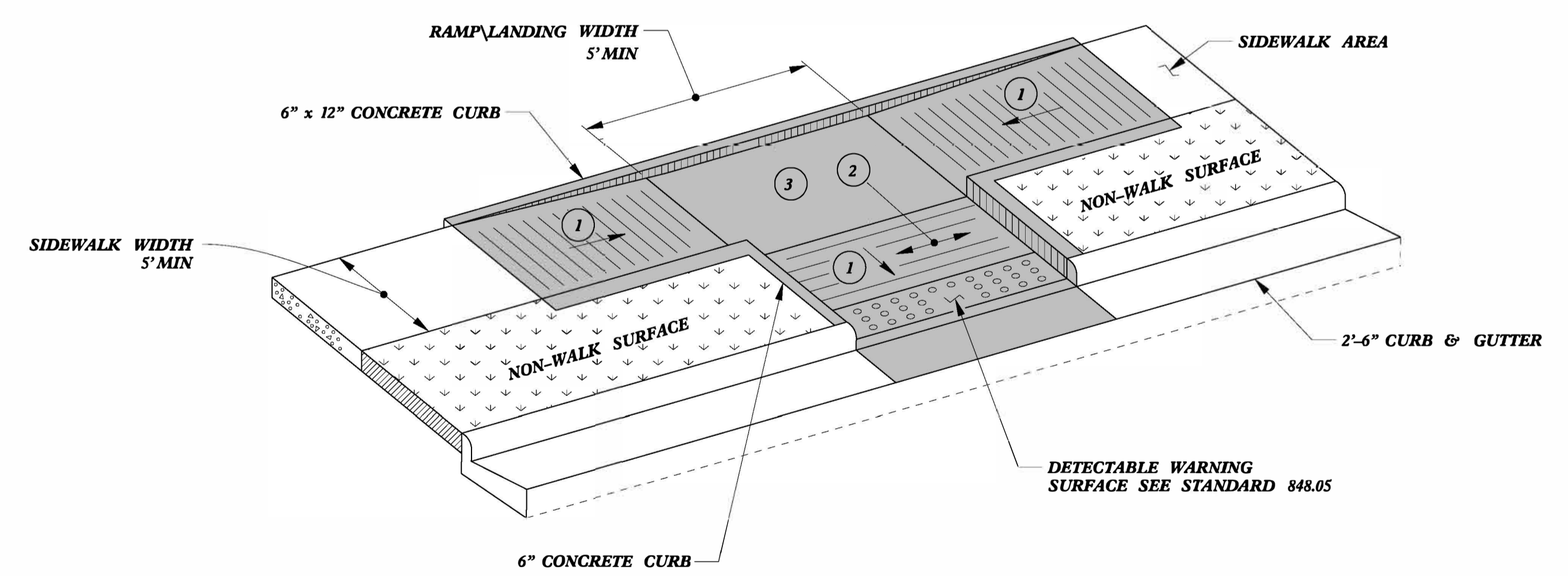
CONTRACT STANDARDS AND DEVELOPMENT UNIT	
Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC. stds/2012CurbRamp/CurbRampDetails.dgn	

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PAY LIMITS FOR 1 CURB RAMP

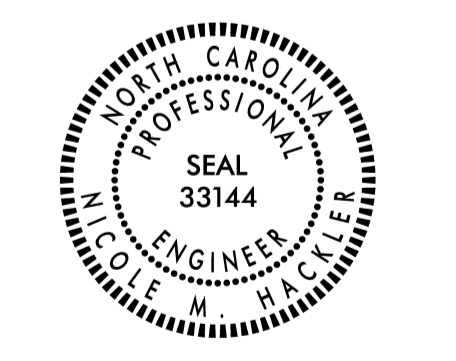


TYPE 3 MODIFIED
INSTALLATION IN A RADIUS



TYPE 3

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

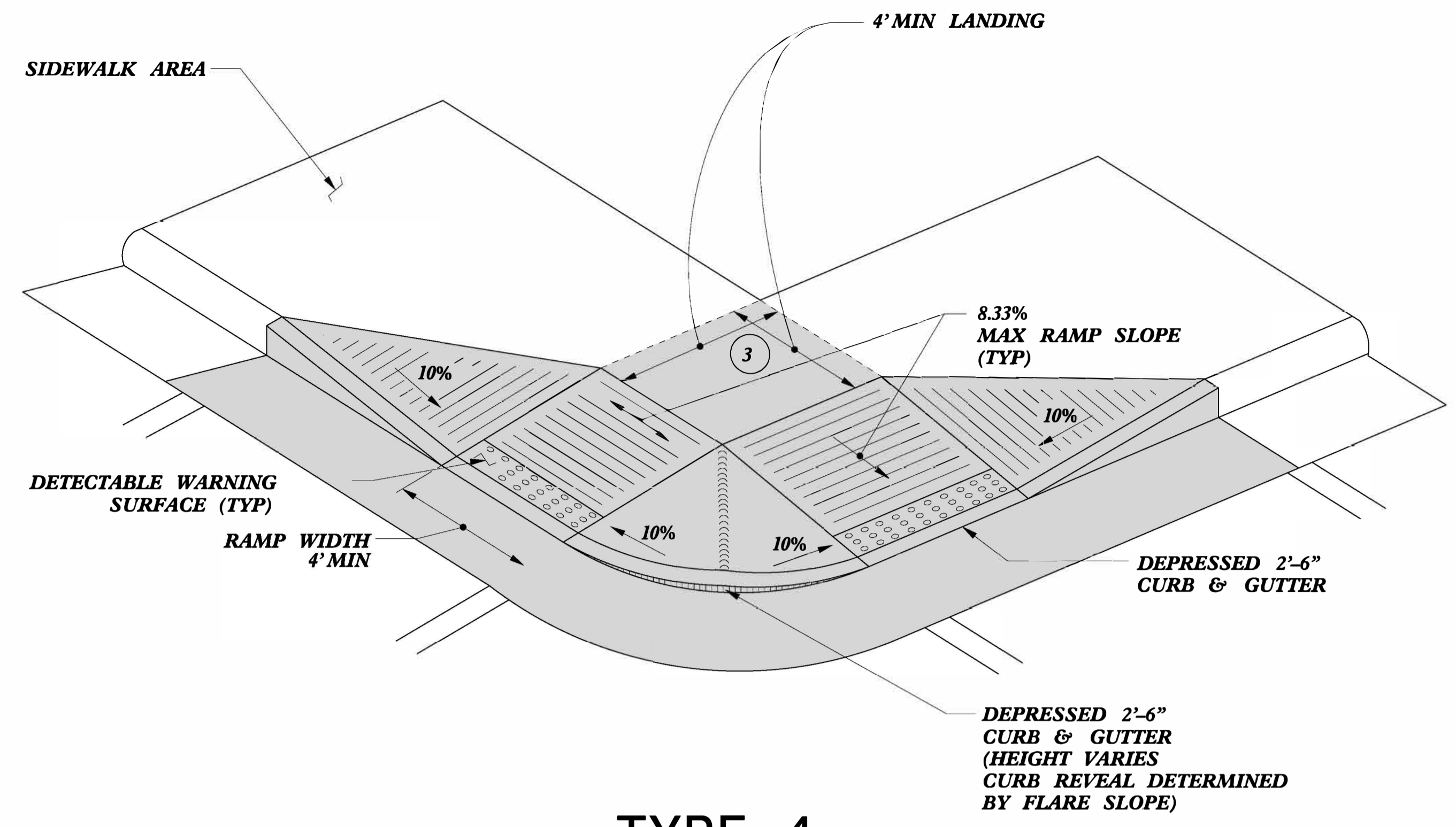


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UNLESS ALL SIGNATURES COMPLETED

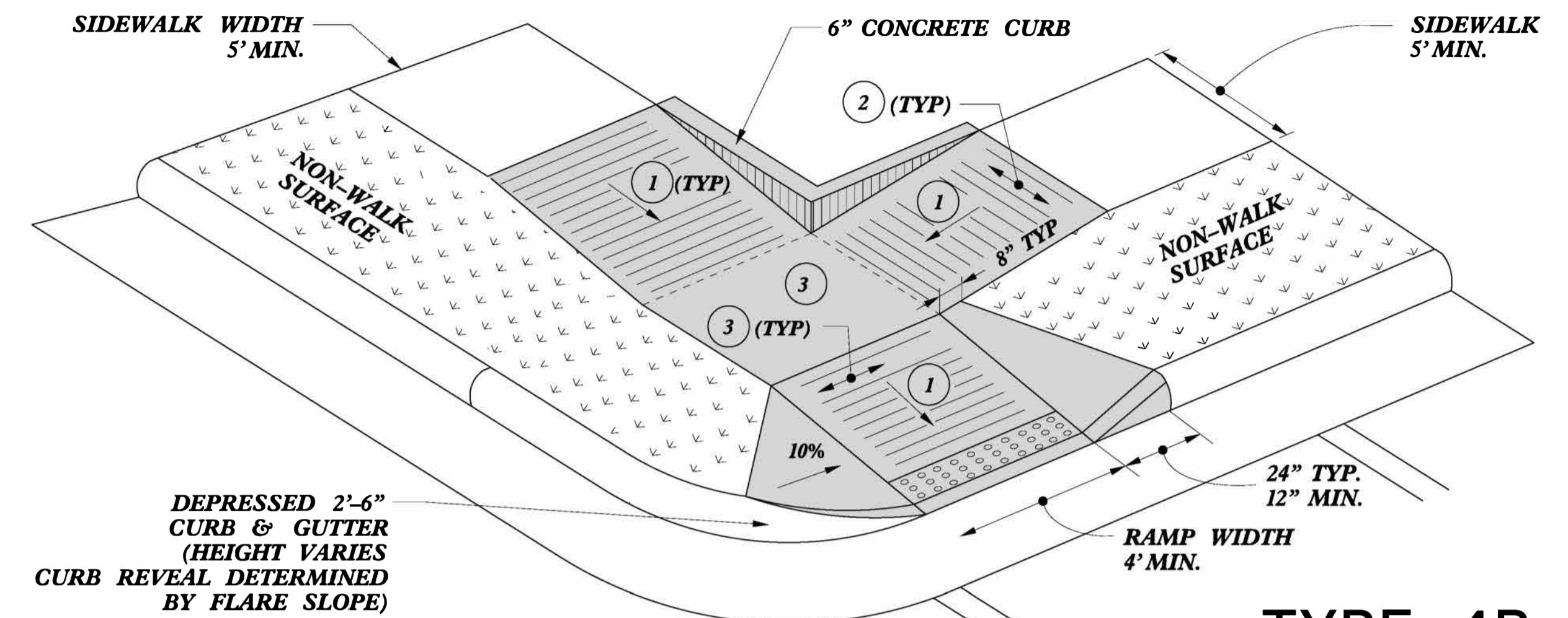
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Office 919-707-6950	FAX 919-250-4119
CURB RAMPS	
ORIGINAL BY: J.S. HOWERTON	DATE: 7/7/11
MODIFIED BY:	DATE:
CHECKED BY:	DATE:
FILE SPEC. :stds/2012CurbRamp/CurbRampDetails.dgn	

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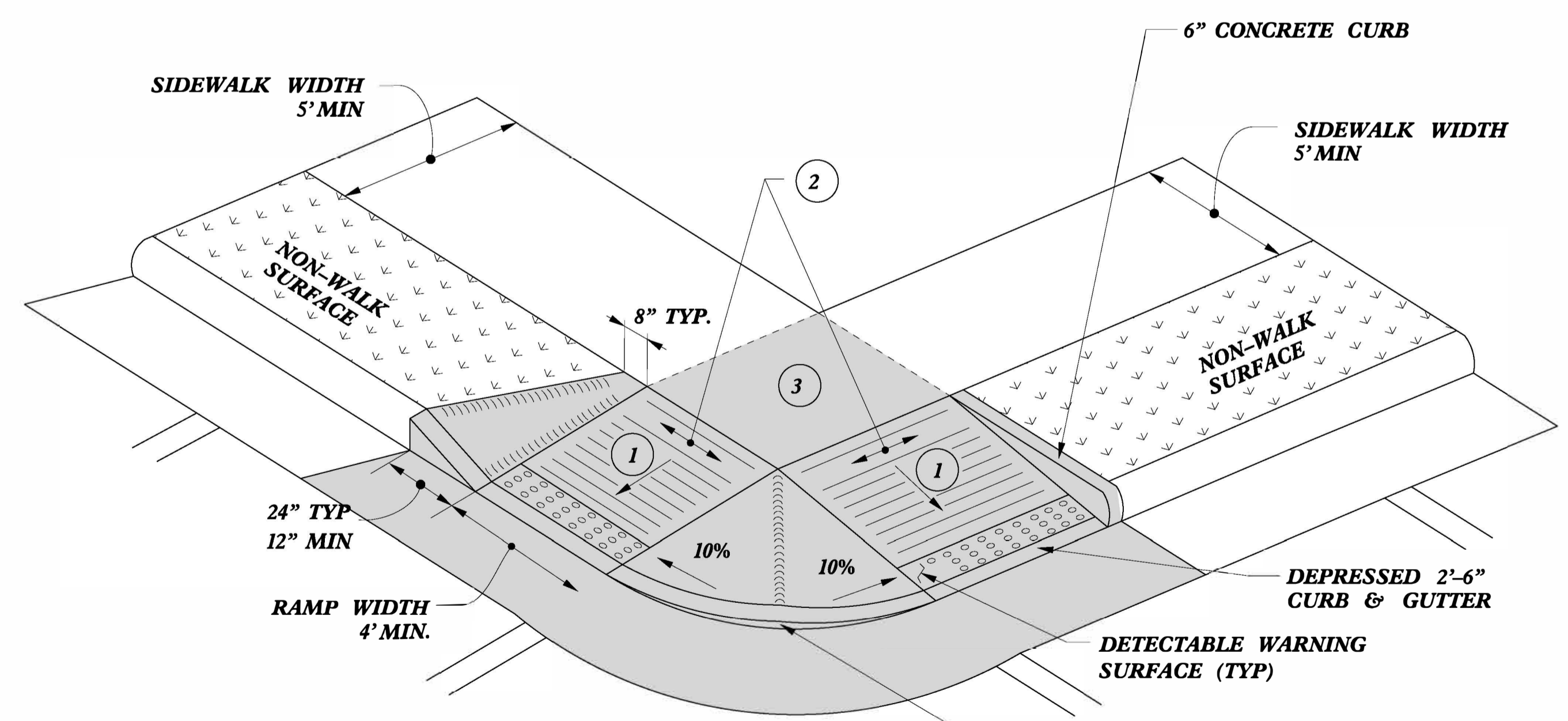
PAY LIMITS FOR 1 OR 2 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS
OF TRUNCATED DOMES)



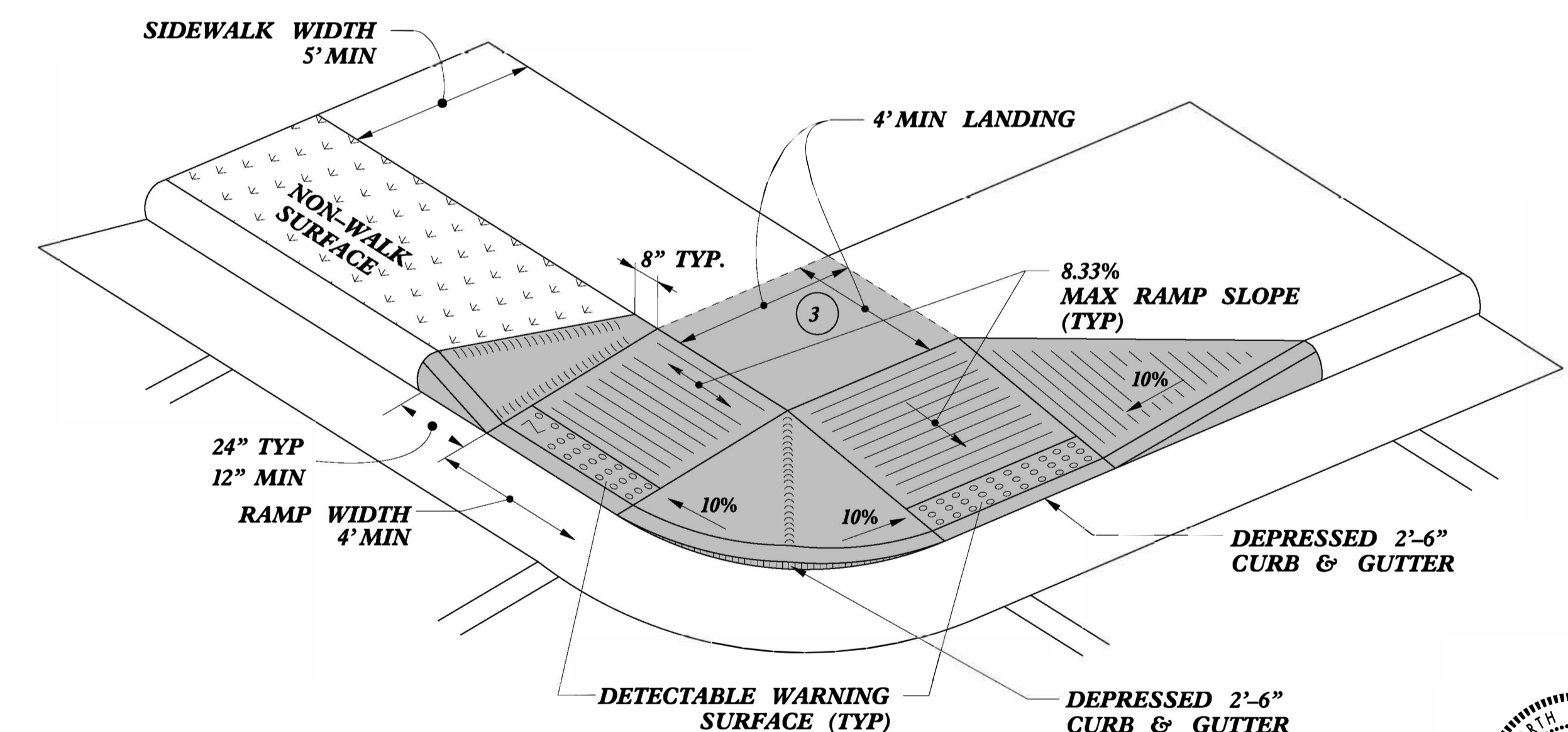
TYPE 4



TYPE 4B



TYPE 4A



TYPE 4C

- ① 8.33% (12:1) MAX RAMP SLOPE
- ② CROSS SLOPE: 2.00%
- ③ CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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CURB RAMPS

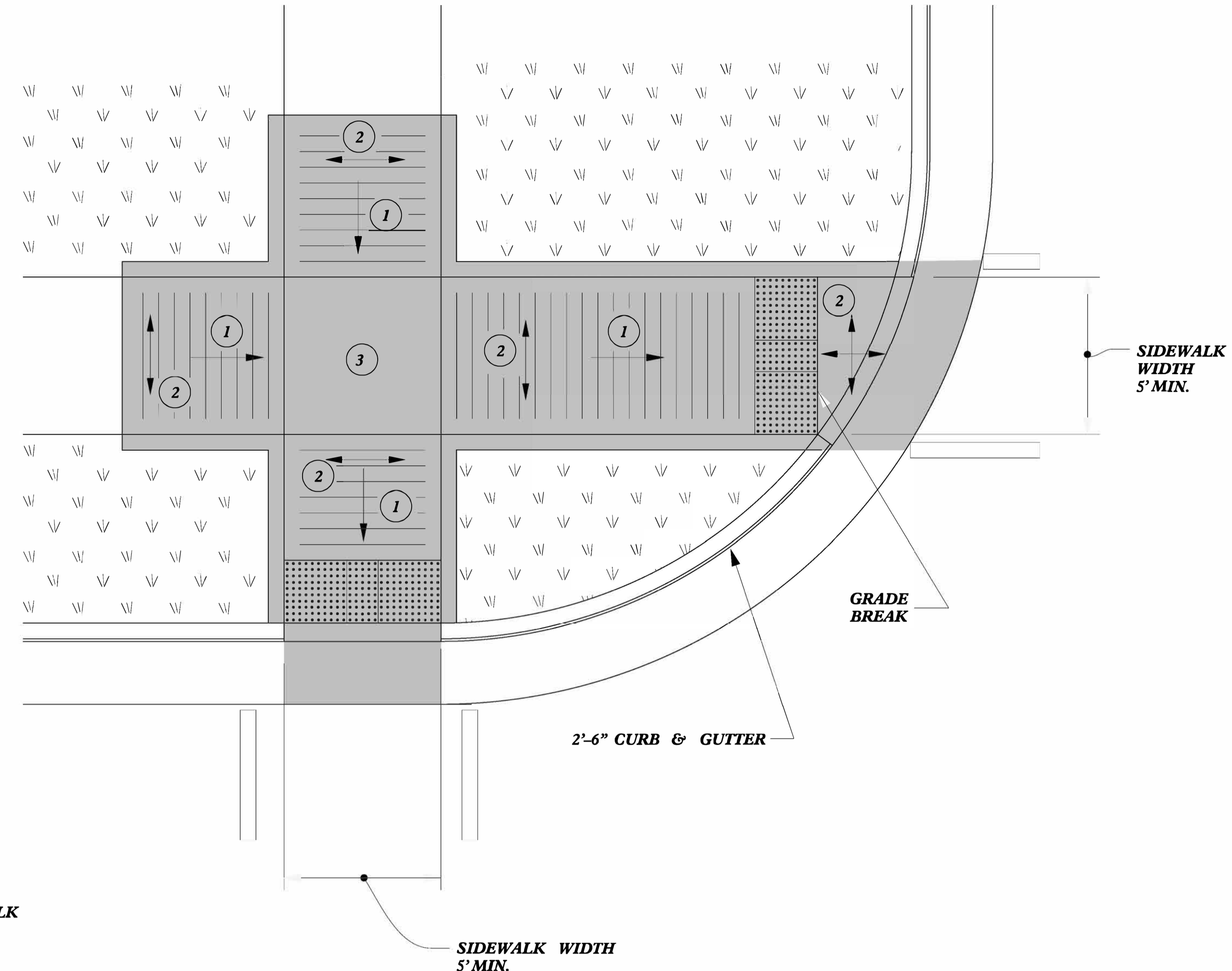
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REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

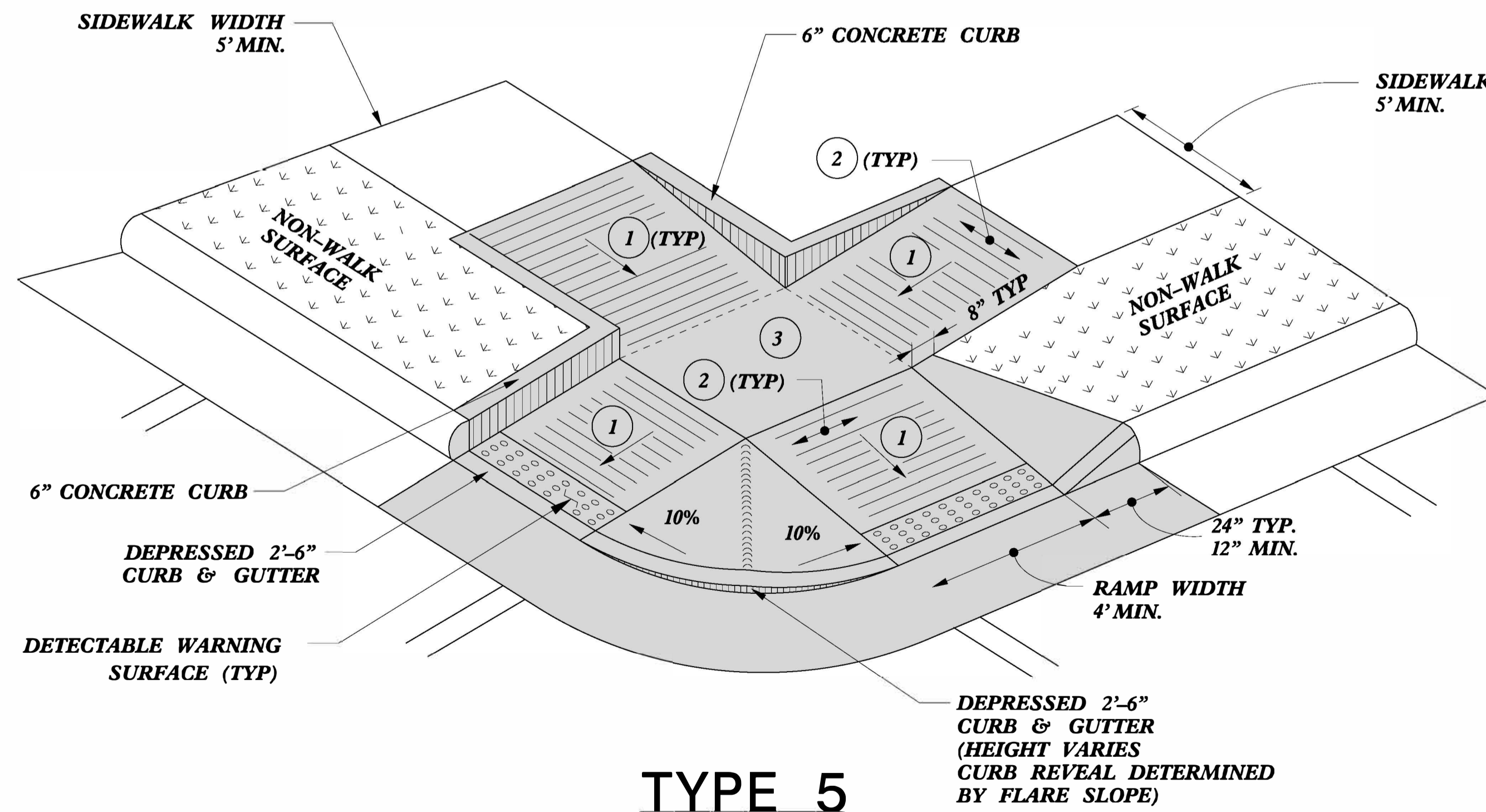
5/14/99

\$\$\$\$BUSINESSNAME\$\$\$\$

**PAY LIMITS FOR 1 OR 2 CURB RAMPS
(CALCULATE BASED ON NUMBER OF SETS
OF TRUNCATED DOMES)**



TYPE 5A



TYPE 5

- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.



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AND DEVELOPMENT UNIT**
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CURB RAMPS

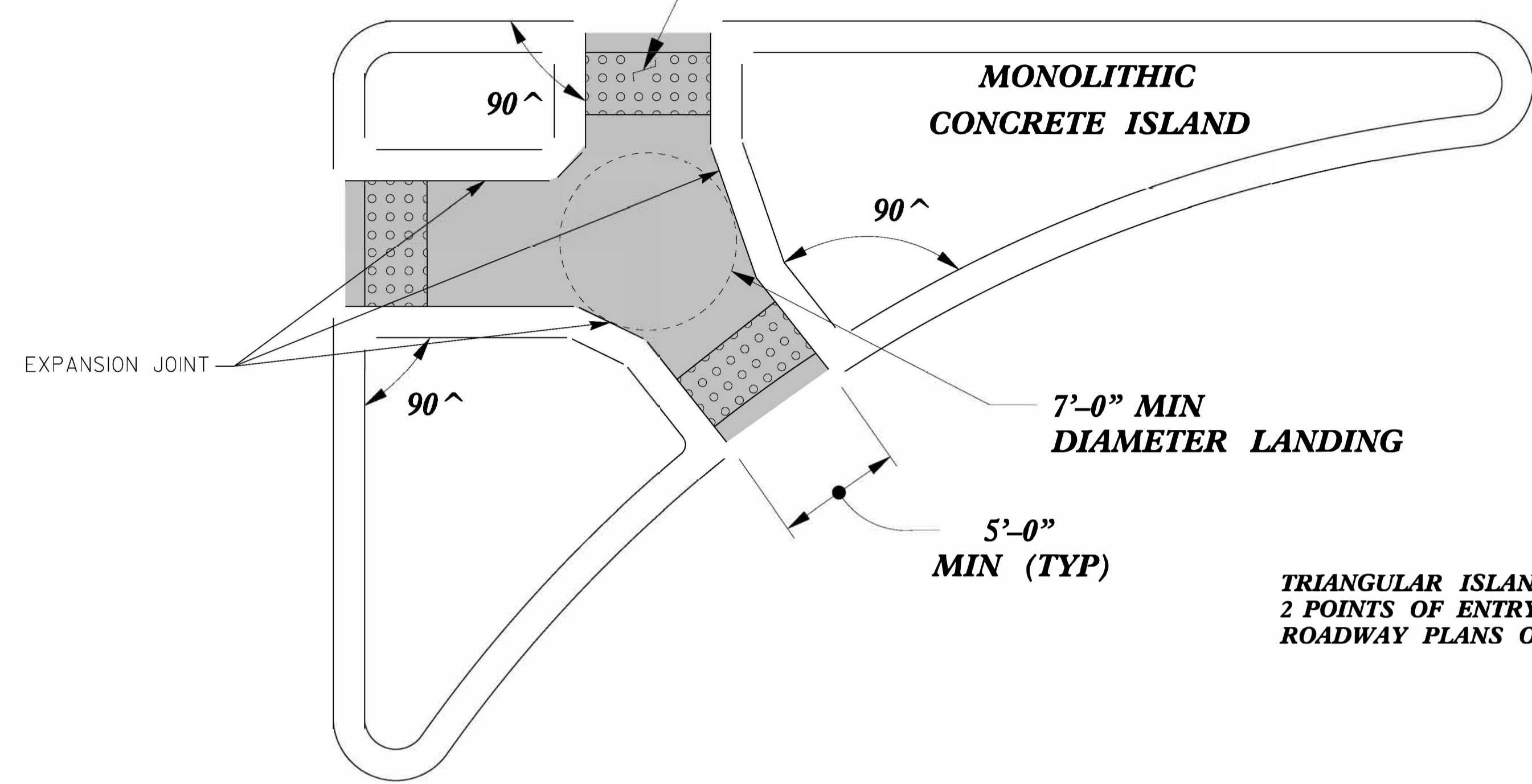
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 MODIFIED BY: _____ DATE: _____
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 FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn

REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES

5/14/99
 \$\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$\$\$\$COURTCONS\$\$\$\$\$
 \$\$\$\$\$\$SUGERRAKE\$\$\$\$\$

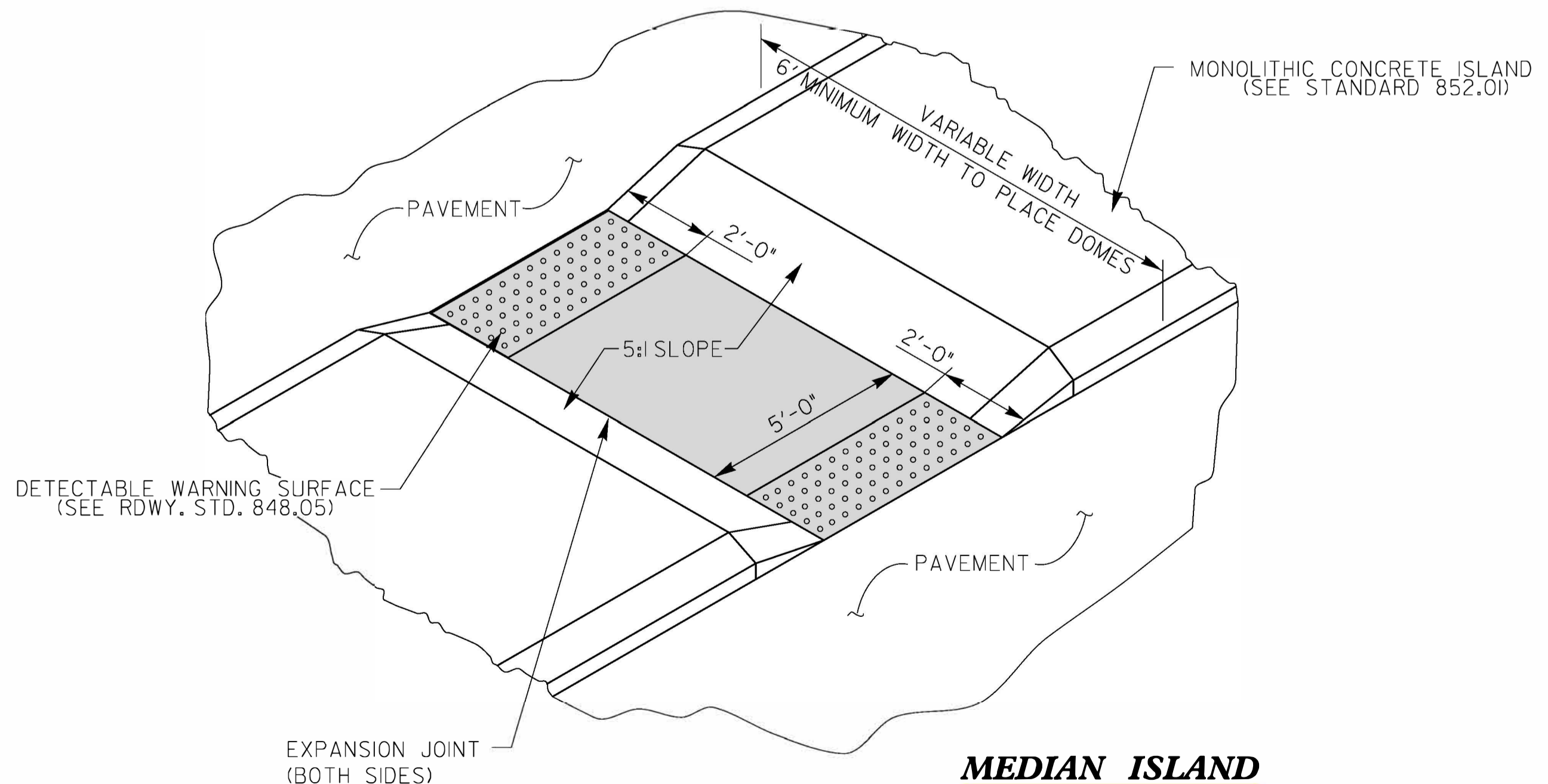
DETECTABLE WARNING SURFACE (SEE RDWY. STD. 848.05)

PAY LIMITS FOR 2 OR 3 CURB RAMPS (CALCULATE BASED ON NUMBER OF SETS OF TRUNCATED DOMES)

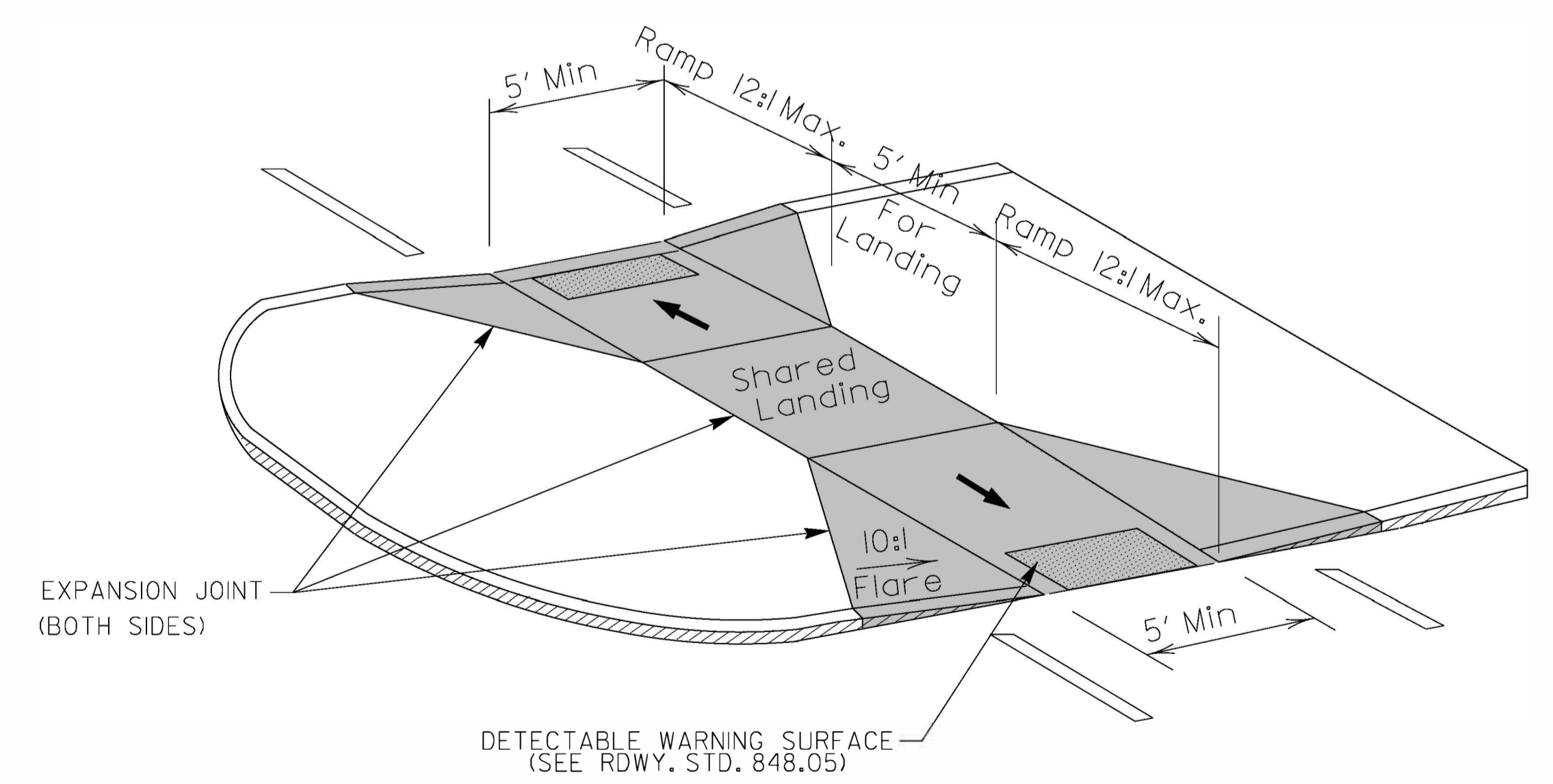


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY 2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

TRIANGULAR ISLAND WITH CUT THROUGH TYPE 6



MEDIAN ISLAND WITH CUT THROUGH TYPE 7



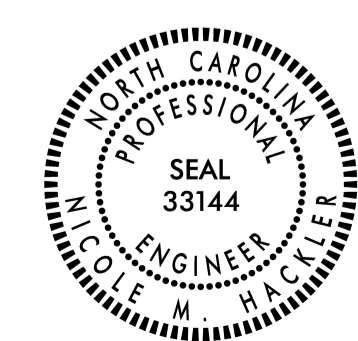
MEDIAN ISLAND CURB RAMPS TYPE 8

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

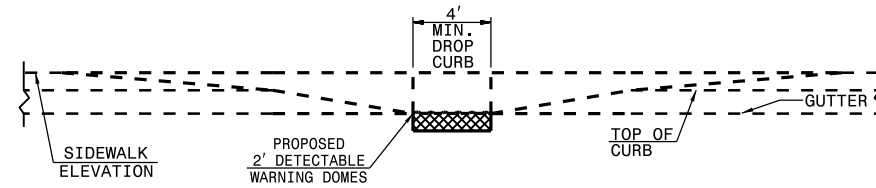
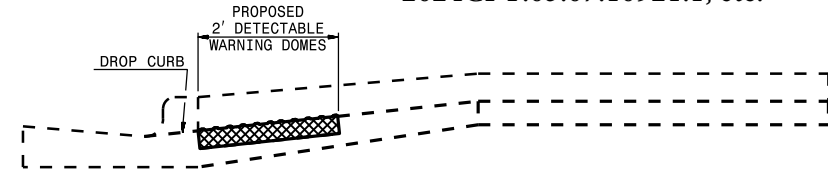
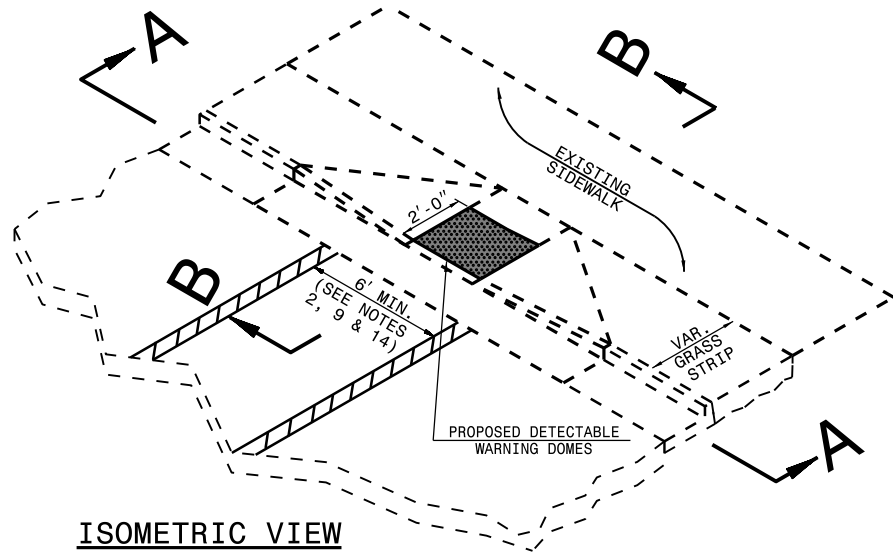
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CURB RAMPS
Median or Turn Lane Islands

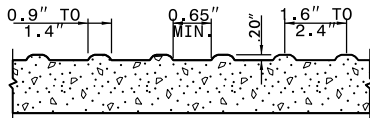
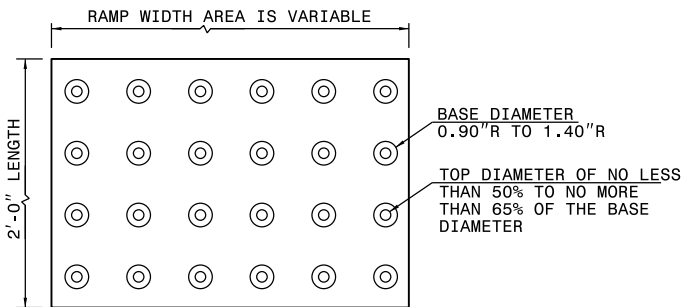
ORIGINAL BY: J.S. HOWERTON DATE: 7/7/11
MODIFIED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____
FILE SPEC: stds/2012CurbRamp/CurbRampDetails.dgn



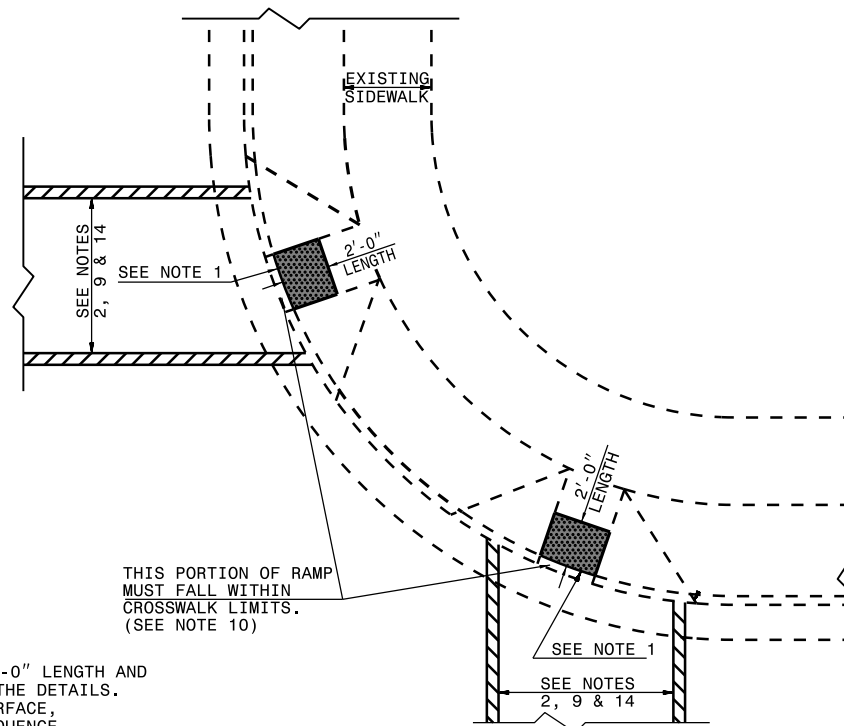
5/14/99
SYTIME
SUGERNAVE



PAY LIMITS OF RETROFIT CURB RAMP



- 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.



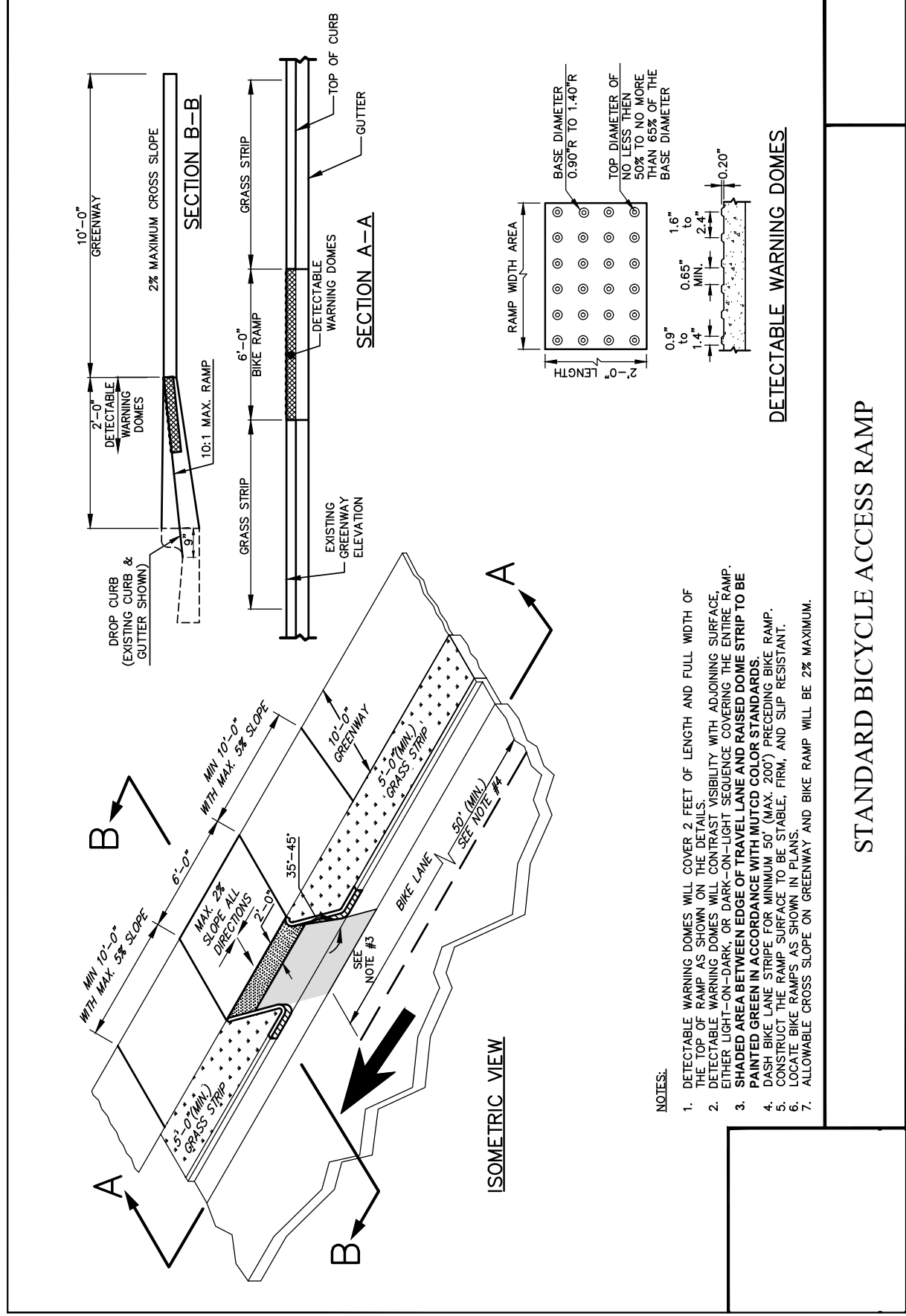
DUAL RAMPS
ANY RADII
(40" MIN. FLOOR WIDTH)

1-18

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

ROADWAY STANDARD DRAWING FOR
CURB RAMP
EXISTING CURB AND GUTTER

5/14/23

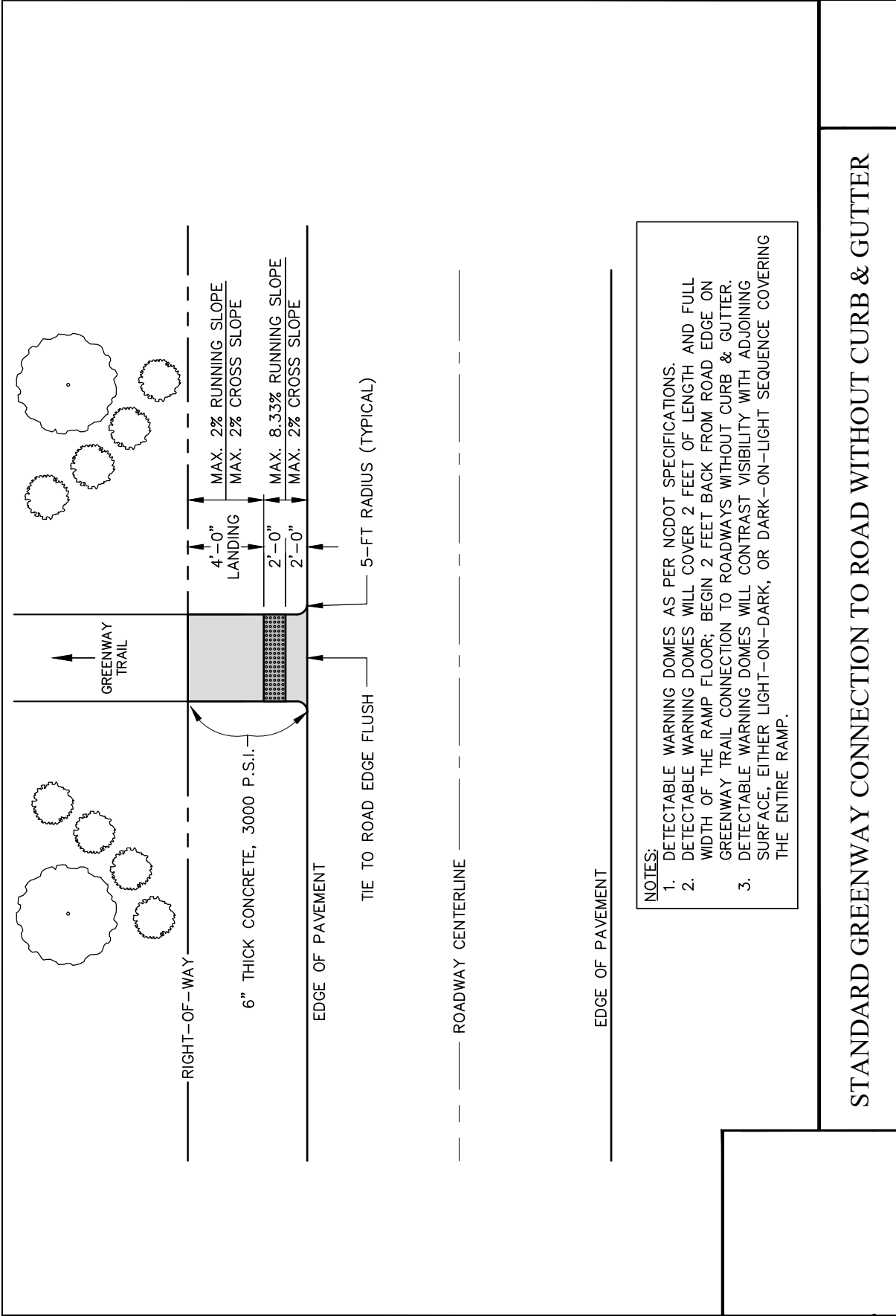
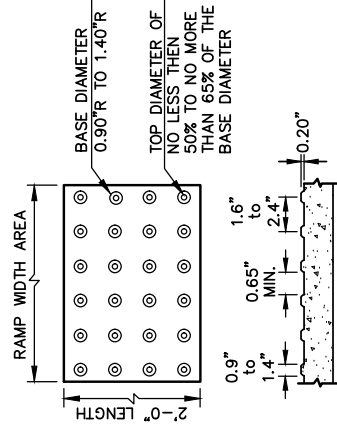


NOTES:

1. DETECTABLE WARNING DOMES WILL COVER 2 FEET OF LENGTH AND FULL WIDTH OF THE TOP OF RAMP AS SHOWN ON THE DETAILS.
2. DETECTABLE WARNING DOMES WILL CONTRAST VISIBILITY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.
3. SHADED AREA BETWEEN EDGE OF TRAVEL LANE AND RAISED DOME STRIP TO BE PAINTED GREEN IN ACCORDANCE WITH MUTCD COLOR STANDARDS.
4. DASH BIKE LANE STRIPE FOR MINIMUM 50' (MAX. 200') PRECEDING BIKE RAMP.
5. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT.
6. LOCATE BIKE RAMPS AS SHOWN IN PLANS.
7. ALLOWABLE CROSS SLOPE ON GREENWAY AND BIKE RAMP WILL BE 2% MAXIMUM.

STANDARD BICYCLE ACCESS RAMP

DETECTABLE WARNING DOMES



NOTES:

1. DETECTABLE WARNING DOMES AS PER NCDOT SPECIFICATIONS.
2. DETECTABLE WARNING DOMES WILL COVER 2 FEET OF LENGTH AND FULL WIDTH OF THE RAMP FLOOR; BEGIN 2 FEET BACK FROM ROAD EDGE ON GREENWAY TRAIL CONNECTION TO ROADWAYS WITHOUT CURB & GUTTER.
3. DETECTABLE WARNING DOMES WILL CONTRAST VISIBILITY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK-ON-LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

STANDARD GREENWAY CONNECTION TO ROAD WITHOUT CURB & GUTTER

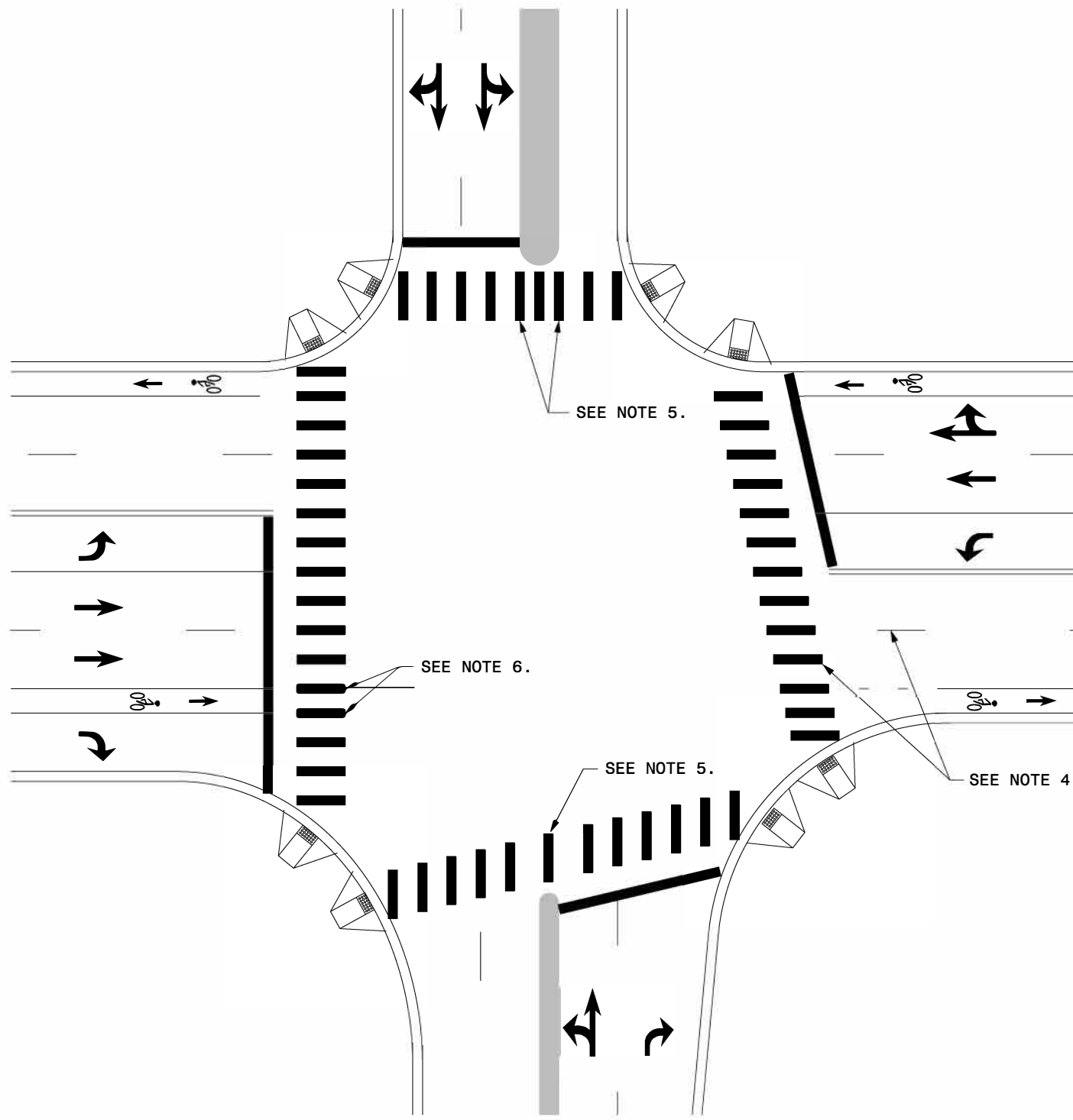
PROJECT REFERENCE NO. 2024CPT.05.07.10921.1, etc.	SHEET NO. 28
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

Seal: 047270, 36289550E, 2498, 9/29/2023

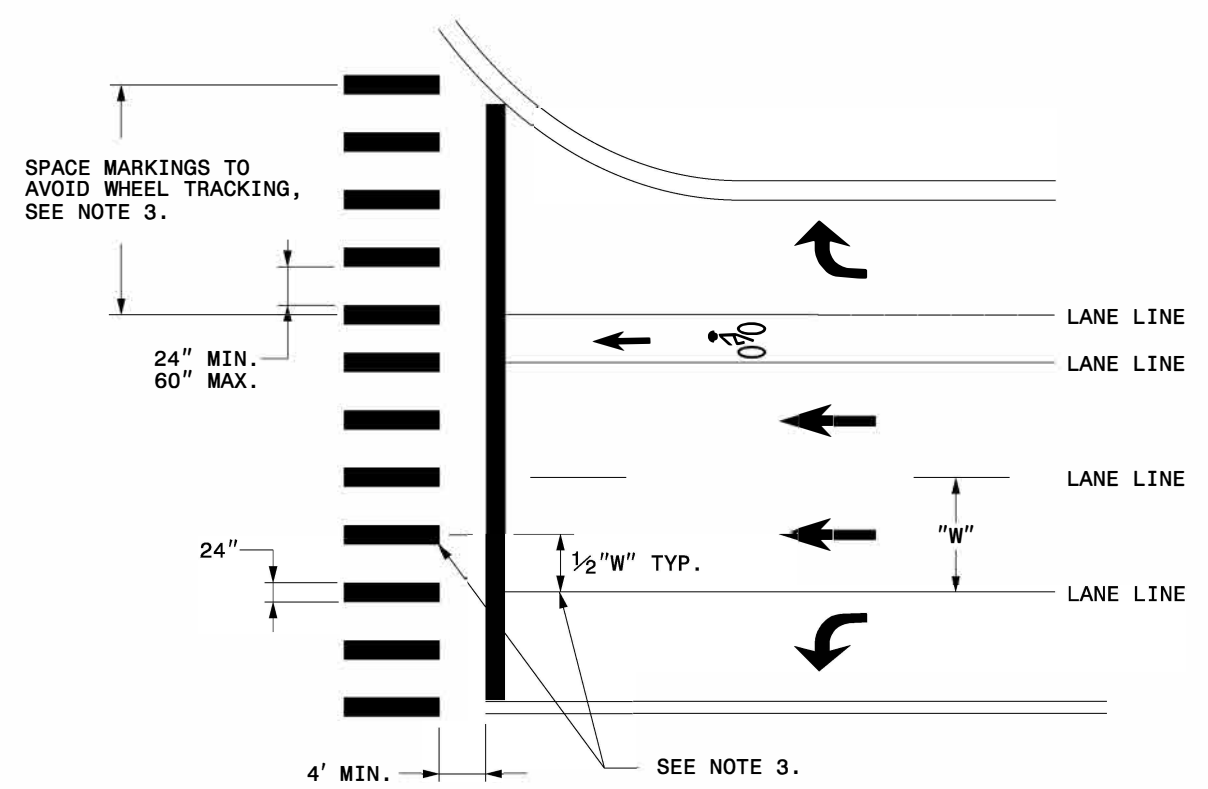
STATE OF NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

5-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
HI-VISIBILITY CROSSWALKS
NO-TRACK MARKING GUIDANCE



CROSSWALK INTERSECTION DETAIL



CROSSWALK MARKING DETAIL

GENERAL NOTES:

- 1- THE GUIDANCE IN THIS DETAIL IS TO BE USED WHEN NO-TRACK SPACING OF HI-VISIBILITY MARKINGS IS REQUESTED.
- 2- USE THE GUIDANCE SHOWN ON THE ABOVE DETAILS IN CONJUNCTION WITH PAVEMENT MARKING GUIDANCE SHOWN ON ROADWAY STANDARD DRAWINGS 1205.01 AND 1205.07.
- 3- PLACE MARKINGS TO AVOID WHEELPATH OF VEHICLES. MARKINGS TYPICALLY WILL BE LOCATED CENTERED AT THE LANE LINES AND EDGE LINES WITH ONE ADDITIONAL MARKING CENTERED IN THE MIDDLE OF THE LANE. AT WIDE LANE WIDTHS DUE TO TAPERS AND LARGE RADII, LOCATE MARKINGS AT BEST SPACING TO AVOID WHEEL TRACKING. THE SPACE BETWEEN MARKINGS SHALL NOT BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.

- 4- WHERE THE CROSSWALK IS SKEWED TO THE LANE LINES, THE MARKINGS SHOULD BE PARALLEL TO THE LANE LINES.
- 5- PLACE MARKINGS ON BOTH EDGES OF THE NOSE OF A MEDIAN. FOR NARROW MEDIANS LESS THAN 4 FEET, A SINGLE MARKING MAY BE USED. FOR WIDE MEDIANS, INSTALL ADDITIONAL MARKINGS IN THE MEDIAN AREA. THE SPACE BETWEEN THE MARKINGS SHALL NOT TO BE LESS THAN 24 INCHES OR GREATER THAN 60 INCHES.
- 6- LOCATE MARKINGS CENTERED ON BICYCLE LANE LINES. MARKINGS SHALL NOT BE LOCATED IN THE CENTER OF THE BICYCLE PATH.

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

5-18

ENGLISH DETAIL DRAWING FOR
PAVEMENT MARKINGS
HI-VISIBILITY CROSSWALKS
NO-TRACK MARKING GUIDANCE

SHEET 1 OF 1

GENERAL NOTES:

- 1- USE THE NOTES AND DETAILS SHOWN ON THE FOLLOWING SHEETS IN CONJUNCTION WITH SIGNING AND PAVEMENT MARKING GUIDANCE SHOWN IN DIVISIONS 9 AND 12 OF THE NCDOT ROADWAY STANDARD DRAWINGS AND THE MUTCD.
- 2- THE SHARED LANE MARKING IS OPTIONAL AND MAY BE USED TO ALERT ROAD USERS OF THE PRESENCE OF BICYCLISTS, ENCOURAGE SAFE PASSING OF BICYCLISTS BY MOTORISTS, AND REDUCE THE INCIDENCE OF WRONG-WAY BICYCLING. SHARED LANE MARKING LIMITATIONS INCLUDE:
 - A- SHOULD NOT BE USED ON ROADWAYS WHERE THE SPEED LIMIT IS 40 MPH OR MORE.
 - B- SHALL NOT BE USED IN SHOULDERS, BICYCLE LANES, OR BICYCLE LANE EXTENSIONS, TRAVEL LANE SHARED WITH LIGHT RAIL TRANSIT, TRANSITION AREA TO AN EXCLUSIVE TURN LANE WHERE THE MOTOR VEHICLE MUST WEAVE ACROSS BICYCLE TRAFFIC IN BICYCLE LANES, TWO-STAGE TURN BOXES, BICYCLE BOXES, SHARED-USE PATHS, SHARED-USE PATH CROSSINGS, AND PHYSICALLY SEPARATED BIKEWAYS.
 - C- SHOULD NOT BE USED IN THE CIRCULATORY ROADWAY OF A MULTI-LANE ROUNDABOUT.
 - D- GREEN COLORED PAVEMENT SHALL NOT BE APPLIED AS A BACKGROUND.
- 3- BICYCLE LANES SHOULD BE DELINEATED FROM THE VEHICLE TRAVEL LANES WITH A 4" WIDE SOLID WHITE LINE. MARKINGS MAY BE INCREASED TO 6" WIDE IF EMPHASIS IS NEEDED TO DISTINGUISH BICYCLE LANES FROM OTHER LANE OR EDGE LINE MARKINGS.
- 4- BICYCLE LANE WIDTHS ARE TYPICALLY 5 TO 7 FEET OF PAVEMENT. THE GUTTER PAN ON AN URBAN STREET IS NOT TO BE CONSIDERED PART OF THE BICYCLE LANE. SEE NCDOT ROADWAY DESIGN MANUAL AND NCDOT COMPLETE STREETS RESOURCES FOR MORE GUIDANCE ON BICYCLE LANE DIMENSIONS.
- 5- BICYCLE LANE LINES CAN BE SOLID, MINI-SKIPS OR DISCONTINUED DEPENDENT ON THE LOCATION. MINI-SKIPS SHOULD BE USED AT LOCATIONS WHERE THERE ARE FREQUENT MOTORIST TURNING MOVEMENTS AND WHERE THERE IS MERGING BY BICYCLISTS AND MOTORISTS. REVIEW THE PLANS TO IDENTIFY CONFLICT AREAS. ALL BICYCLE LANE EXTENSION MINI-SKIP LINES SHALL BE 2'-6' SPACING PER ROADWAY STANDARD DRAWING 1205.01 AND MATCH THE WIDTH OF THE LINE IT IS EXTENDING. ENGINEERING JUDGEMENT SHOULD BE USED TO DECIDE WHAT MARKING TYPE TO BE USED, BUT GENERALLY, BICYCLE LANES SHOULD BE MARKED AS FOLLOWS:
 - A- AT DRIVEWAYS AND ALLEY ENTRANCES, BICYCLE LANES SHOULD REMAIN SOLID.
 - B- AT STREET OR COMMERCIAL ENTRANCES, BICYCLE LANES SHOULD BE MARKED WITH MINI-SKIPS.
 - C- AT INTERSECTIONS THAT DO NOT HAVE A DEDICATED RIGHT TURN LANE, MINI-SKIPS SHOULD BE USED AT THE APPROACH OF SIGNALIZED AND MINOR INTERSECTIONS AND AT THE APPROACH OF STREET AND COMMERCIAL ENTRANCES WITH HEAVY RIGHT TURN VOLUMES. MINI-SKIPS SHOULD BE PLACED 50-200 FEET IN ADVANCE OF THE INTERSECTION OR ENTRANCE.
 - D- BICYCLE MINI-SKIP LANE EXTENSION LINES MAY BE PLACED ACROSS INTERSECTIONS TO INDICATE LEFT TURN MOVEMENTS OR FOR GUIDANCE THROUGH LONG, SKEWED, OR CURVED INTERSECTIONS. DO NOT EXTEND THE LINES THROUGH MARKED CROSSWALKS.
 - E- MINI-SKIPS SHOULD BE USED AT THE END OF A BICYCLE LANE THAT MERGES THE BICYCLIST BACK INTO THE TRAVEL LANE.
 - F- MINI-SKIPS SHOULD BE USED AT BUS STOPS, BUS BAYS, AND BULB OUTS.
- 6- BICYCLE MARKINGS SHALL CONSIST OF A SYMBOL AND ARROW. DUE TO THE COMPLEXITY OF URBAN STREETS, USE BEST ENGINEERING JUDGEMENT IN THEIR PLACEMENT TO REMIND MOTORISTS OF THE PRESENCE OF BICYCLISTS. PLACE MARKINGS ALONG THE BICYCLE LANE AS FOLLOWS:
 - A- AT THE BEGINNING OF THE BICYCLE LANE.
 - B- IN URBAN AREAS, AT THE FAR SIDE OF ALL INTERSECTIONS AND MAJOR STREET ENTRANCES. IF THERE ARE MULTIPLE STREETS WITHIN THE BLOCK, PLACE BETWEEN GROUPS OF ENTRANCES. ADDITIONAL MARKINGS MAY BE PLACED AT THE INTERSECTION APPROACH (PRIOR TO A CROSSWALK). TRY NOT TO OVER PLACE IF THE APPROACH LENGTH IS SHORT.
 - C- IN SUBURBAN AND RURAL AREAS, PLACE AFTER MAJOR INTERSECTIONS. WHERE INTERSECTIONS ARE SPACED FAR APART, PLACE IN INTERVALS NOT TO EXCEED 1/4 MILE IN SUBURBAN AREAS AND 1/2 MILE IN RURAL AREAS.
 - D- BEFORE THE START OF THE TAPER OF A THROUGH BICYCLE LANE. IF IT IS A LONG TAPER OR LONG EXTENSION OF THE MINI-SKIPS, PLACE ANOTHER MARKING WHERE THE SOLID BICYCLE LANE LINE RESUMES TO REMIND MOTORISTS OF THE PRESENCE OF THE BICYCLE LANE.
 - E- ADDITIONAL MARKINGS SHOULD BE PLACED IN POCKET BICYCLE LANES LONGER THAN 250 FEET.
 - F- ADDITIONAL MARKINGS MAY BE PLACED AT HEAVY TRAFFIC CONFLICT AREAS TO REMIND MOTORIST OF POTENTIAL PRESENCE OF BICYCLISTS. EXAMPLES WOULD BE BEFORE A MERGE AREA OR ALONG A BICYCLE LANE ADJACENT TO ON-STREET PARKING. AVOID PLACING MARKINGS IN AREAS WHERE MOTORISTS WOULD TRACK THROUGH THE MARKINGS SUCH AS MERGE AREAS, DRIVEWAY ENTRANCES OR WITHIN THE TURNING RADIUS OF AN INTERSECTION.
- 7- BICYCLE SIGNING SUPPLEMENTS BICYCLE LANE MARKINGS. TYPICAL SIGNING FOR BICYCLE LANES IS AS FOLLOWS:
 - A- THE STANDARD "BIKE LANE" (R3-17) SIGN WITH "AHEAD" (R3-17AP) PLAQUE SHOULD BE PLACED IN ADVANCE OF THE START OF A BICYCLE LANE. THE "BIKE LANE" WITH THE "ENDS" (R3-17BP) PLAQUE SHOULD BE PLACED AT A SUFFICIENT DISTANCE TO GIVE WARNING THAT THE BICYCLE LANE IS ENDING. THE "BIKE LANE ENDS" SIGN ASSEMBLY SHOULD NOT BE USED WHERE A BICYCLE LANE IS DROPPED ON THE APPROACH TO AN INTERSECTION AND RESUMES IMMEDIATELY AFTER THE INTERSECTION OR FOR OTHER TEMPORARY INTERRUPTIONS.
 - B- USING ENGINEERING JUDGEMENT, "BIKE LANE" (R3-17) SIGNS MAY BE PLACED AT PERIODIC INTERVALS ALONG A BICYCLE LANE, ADJACENT TO A BICYCLE PAVEMENT MARKING.
 - C- WHERE THE BICYCLE LANE ENDS AND TRANSITIONS TO TYPICAL ROADWAY, THE "SHARE THE ROAD" (W11-1) SIGN AND OPTIONAL "SHARE THE ROAD" (W16-1P) PLAQUE MAY BE USED TO REMIND MOTORISTS THAT THE LANE MUST BE SHARED WITH BICYCLISTS.
- 8- BUFFER WIDTHS FOR BUFFERED BICYCLE LANES ARE TYPICALLY 2 TO 3 FEET WIDE. BUFFER MARKINGS ARE SPACED A MINIMUM OF TEN FEET APART AND TYPICALLY EQUAL IN FEET TO THE POSTED SPEED LIMIT. SEE ROADWAY STANDARD DRAWING 1205.16, SHEET 4 OF 8 FOR DETAIL ON MARKINGS AND PLACEMENT WITHIN BUFFER AREA. USE ENGINEERING JUDGEMENT FOR PLACEMENT OF BUFFER BETWEEN BICYCLE LANE AND HIGH TURNOVER PARKING AREAS AND HIGHER SPEED MOTOR VEHICLE TRAVEL LANES. SEE NCDOT ROADWAY DESIGN MANUAL AND NCDOT COMPLETE STREETS RESOURCES FOR MORE GUIDANCE ON BUFFER WIDTH DIMENSIONS.
- 9- GREEN COLORED PAVEMENT IS OPTIONAL FOR BICYCLE LANES, BICYCLE LANE EXTENSION LINES THROUGH INTERSECTIONS, EXTENSIONS THROUGH EXCLUSIVE MOTOR VEHICLE TURN LANES, BICYCLE BOXES, TWO-STAGE TURN BOXES, BICYCLE DETECTOR SYMBOLS, AND SEPARATED BICYCLE LANES. SEE ROADWAY STANDARD DRAWING 1205.16, SHEET 2 OF 8 FOR SYMBOLS & DETAILS GUIDANCE. USE ENGINEERING JUDGEMENT FOR PLACEMENT OF GREEN COLORED PAINT AT CONFLICT AREAS.

ROADWAY STANDARD DRAWING FOR
BICYCLE FACILITIES
 GENERAL NOTES

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

ADA SUMMARY OF QUANTITIES - TOTALS

Project Number:	2024CPT.05.07.10921.1
County:	Wake

Sheet No.	31
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Project Number	County	Municipality	Resurfacing Route	4447000000-E (LF) Pedestrian Channelizing Devices	4600000000-N (EA) Generic Traffic Control Item - Pedestrian Transport Service	4600000000-N (EA) Generic Traffic Control Item - Audible Warning Device	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp			
2025 West	Wake	Fuquay-Varina	NC 55 From US 401 To SR 5056	60	40	2	0	81	40	42	33	35	0	1	0	0	16	24	3	5			
2025 West	Wake	Apex Outside Municipality	Old Jenks Rd From SR 1612 To SR 5878	120	20	4	2	87	0	21	12	9	0	3	6	0	0	10	0	4			
2025 West	Wake	Apex Cary	Jenks Carpenter Rd From SR 1612 To SR 1618				0	130	0	42	6	0	0	0	0	0	2	0	17	3	10		
2025 West	Wake	Cary Morrisville	Wilson Rd From Flip Trail To END MAINT				0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	
2025 West	Wake	Cary	Trinity Rd From SR 5808 To NC 54				0	0	0	0	3	0	0	0	0	0	0	0	0	1	4	0	0
2025 West	Wake	Cary	Dillard Dr From SR 1313 To SR 1423				0	96	0	72	3	0	1	0	4	0	0	0	16	2	6		
2025 West	Wake	Raleigh	Lake Dam Rd From I-40 To SR 1009				0	30	0	18	0	6	0	0	0	0	0	0	0	4	0	2	
GRAND TOTAL							180	60	6	2	424	40	195	57	50	1	4	10	2	17	78	8	27

ADA SUMMARY OF QUANTITIES - NC 55 FROM US 401 TO SR 5056

Municipality:	Fuquay-Varina
Project Number:	2024CPT.05.07.10921.1
County:	Wake

Sheet No.	32
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Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type
4837	1	US-401 (N Main St)	NC-55 (N Ennis St)												1			Type2
4838	1	US-401 (N Main St)	NC-55 (N Ennis St)												1			Standard - 848.06
4810	2	NC-55 (E Broad St)	Stewart St											1				RetrofitWarnings
4811	2	NC-55 (E Broad St)	Stewart St											1				RetrofitWarnings
4822	2	NC-55 (E Broad St)	Stewart St		5		6										1	Remove Ramp
4823	2	NC-55 (E Broad St)	Stewart St											1				RetrofitWarnings
25643	2	NC-55 (E Broad St)	Stewart St			8			5							1		Standard - 848.06
4824	3	NC-55 (E Broad St)	E Broad St Downtown Crosswalk											1				RetrofitWarnings
4825	3	NC-55 (E Broad St)	E Broad St Downtown Crosswalk											1				RetrofitWarnings
4793	4	NC-55 (E Broad St)	SR-1459 (Ransdell Rd)											1				RetrofitWarnings
4802	4	NC-55 (E Broad St)	SR-1459 (Ransdell Rd)											1				RetrofitWarnings
4803	4	NC-55 (E Broad St)	SR-1459 (Ransdell Rd)											1				RetrofitWarnings
4804	4	NC-55 (E Broad St)	Fayetteville St											1				RetrofitWarnings
4805	4	NC-55 (E Broad St)	Fayetteville St											1				RetrofitWarnings
4806	4	NC-55 (E Broad St)	Fayetteville St											1				RetrofitWarnings
4807	4	NC-55 (E Broad St)	Fayetteville St											1				RetrofitWarnings
25493	5	NC-55 (E Broad St)	Vision Martial Arts (408 Broad St) East Parking Lot Entrance												1			Type1C
25494	5	NC-55 (E Broad St)	Vision Martial Arts (408 Broad St) East Parking Lot Entrance												1			Type1C
25570	5	NC-55 (E Broad St)	Midblock Crossing (405 Broad St)		15		9										1	Remove Ramp
4784	6	NC-55 (E Broad St)	The Mason Jar Lager Company (341 Broad St) Entrance)												1			Type1C
25495	6	NC-55 (E Broad St)	Vision Martial Arts (408 Broad St) West Parking Lot Entrance												1			Type1C
4779	7	NC-55 (E Broad St)	Fuquay-Varina High School (201 Bengal Blvd) E Broad St Entrance											1				RetrofitWarnings
4782	7	NC-55 (E Broad St)	Fuquay-Varina High School (201 Bengal Blvd) E Broad St Entrance											1				RetrofitWarnings
Sub-Total				0	20	8	15	0	5	0	0	0	0	14	6	1	2	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - NC 55 FROM US 401 TO SR 5056

Municipality:	Fuquay-Varina
Project Number:	2024CPT.05.07.10921.1
County:	Wake

Sheet No.	33
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Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type	
10933	8	NC-55 (E Broad St)	Fuquay-Varina High School Crosswalk (201 Bengal Blvd)				3								1				Type2
25505	9	NC-55 (E Broad St)	Fuquay-Varina High School (201 Bengal Blvd) E Broad St North Entrance											1					RetrofitWarnings
25506	9	NC-55 (E Broad St)	Fuquay-Varina High School (201 Bengal Blvd) E Broad St North Entrance											1					RetrofitWarnings
4757	10	NC-55 (E Broad St)	Speedway Gas Station (100 Broad St) East Entrance					3							1				Type1Modified
4758	10	NC-55 (E Broad St)	Speedway Gas Station (100 Broad St) East Entrance												1				Type1Modified
4759	10	NC-55 (E Broad St)	Valvoline Instant Oil Change (908 Wake Chapel Rd) Broad St Entrance												1				Type1C
4760	10	NC-55 (E Broad St)	Valvoline Instant Oil Change (908 Wake Chapel Rd) Broad St Entrance												1				Type1C
4755	11	NC-55 (E Broad St)	Speedway Gas Station (100 Broad St) West Entrance					6							1				Type1Modified
4756	11	NC-55 (E Broad St)	Speedway Gas Station (100 Broad St) West Entrance					6							1				Type1Modified
4740	12	NC-55 (E Broad St)	SR-1108 (Wake Chapel Rd)												1				Standard - 848.06
4741	12	NC-55 (E Broad St)	SR-1108 (Wake Chapel Rd)												1				Standard - 848.06
4742	12	NC-55 (E Broad St)	SR-1108 (Wake Chapel Rd)												1				Standard - 848.06
4743	12	NC-55 (E Broad St)	SR-1108 (Wake Chapel Rd)				3								1				Standard - 848.06
4744	12	NC-55 (E Broad St)	SR-1108 (Wake Chapel Rd)				3								1				Standard - 848.06
4734	13	NC-55 (N Broad St)	Scholl St						3						1				Type1C
4735	13	NC-55 (N Broad St)	Scholl St								1				1				Type1C
4730	14	NC-55 (N Broad St)	Windsor Point Retirement Community (1221 Broad St) South Entrance		15		9										1		Remove Ramp
4731	14	NC-55 (N Broad St)	Windsor Point Retirement Community (1221 Broad St) South Entrance		15				12								1		Remove Ramp
4733	14	NC-55 (N Broad St)	Windsor Point Retirement Community (1221 Broad St) South Entrance		15		9										1		Remove Ramp
25607	14	NC-55 (N Broad St)	Windsor Point Retirement Community (1221 Broad St) South Entrance			8			9							1			Type1D
Sub-Total				0	45	8	27	15	24	0	1	0	0	2	14	1	3		

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - NC 55 FROM US 401 TO SR 5056

Municipality:	Fuquay-Varina
Project Number:	2024CPT.05.07.10921.1
County:	Wake

Sheet No.
34

Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type	
25606	14	NC-55 (N Broad St)	Windsor Point Retirement Community (1221 Broad St) South Entrance			8		6								1			Type1C
4728	15	NC-55 (N Broad St)	Windsor Point Retirement Community(1221 Broad St) North Entrance		8	8		6	3						1				Type1C
4729	15	NC-55 (N Broad St)	Windsor Point Retirement Community(1221 Broad St) North Entrance		8	8		6	3						1				Type1C
4717	16	NC-55 (N Broad St)	N Judd Pkwy NE												1				Type3
4718	16	NC-55 (N Broad St)	N Judd Pkwy NE												1				Type1D
Sub-Total				0	16	24	0	18	6	0	0	0	0	0	4	1	0		
Sub-Total for NC 55 From US 401 To SR 5056				0	81	40	42	33	35	0	1	0	0	16	24	3	5		

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - OLD JENKS RD FROM SR 1612 TO SR 5878

Municipality:	Apex Outside Municipality
Project Number:	2024CPT.05.07.20921.1
County:	Wake

Sheet No.
35

Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type	
9504	1	SR-1611 (Old Jenks Rd)	Wake Oasis Coffee (6108 Old Jenks Rd)					6	6										Type1Modified
9505	1	SR-1611 (Old Jenks Rd)	Wake Oasis Coffee (6108 Old Jenks Rd)					6	3										Type1Modified
9498	2	SR-1611 (Old Jenks Rd)	Hope Chapel (6175 Old Jenks Rd) South Entrance																Type 1C
9499	2	SR-1611 (Old Jenks Rd)	Hope Chapel (6175 Old Jenks Rd) South Entrance																Type 1C
9500	2	SR-1611 (Old Jenks Rd)	Salem Middle School (6501 Old Jenks Rd)								3								Type 1C
9501	2	SR-1611 (Old Jenks Rd)	Salem Middle School (6501 Old Jenks Rd)		20													1	Remove Ramp
9502	2	SR-1611 (Old Jenks Rd)	Salem Middle School (6501 Old Jenks Rd)		17		12											1	Remove Ramp
9503	2	SR-1611 (Old Jenks Rd)	Salem Middle School (6501 Old Jenks Rd)															1	Type 1D
25358	2	SR-1611 (Old Jenks Rd)	Salem Middle School (6501 Old Jenks Rd)	2	20							6							Other
9492	3	SR-1611 (Old Jenks Rd)	Hope Chapel (6175 Old Jenks Rd) North Entrance																Type 1C
9493	3	SR-1611 (Old Jenks Rd)	Hope Chapel (6175 Old Jenks Rd) North Entrance																Type 1C
9494	3	SR-1611 (Old Jenks Rd)	Salem Elementary School (6116 Old Jenks Rd)																Type 1C
9495	3	SR-1611 (Old Jenks Rd)	Salem Elementary School (6116 Old Jenks Rd)		15														Remove Ramp
9496	3	SR-1611 (Old Jenks Rd)	Salem Elementary School (6116 Old Jenks Rd)																Type3Modified
9497	3	SR-1611 (Old Jenks Rd)	Salem Elementary School (6116 Old Jenks Rd)		15		9												Remove Ramp
Sub-Total for Old Jenks Rd From SR 1612 To SR 5878				2	87	0	21	12	9	0	3	6	0	0	10	0	4		

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - JENKS CARPENTER RD FROM SR 1612 TO SR 1618

Municipality:	Apex Cary
Project Number:	2024CPT.05.07.20921.1
County:	Wake

Sheet No.	36
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Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type
5834	1	SR-1612 (Holt Rd)	Hasbrouck Dr		10		6										1	Remove Ramp
5835	1	SR-1612 (Holt Rd)	Hasbrouck Dr		10		6										1	Remove Ramp
5837	1	SR-1612 (Holt Rd)	Hasbrouck Dr		10												1	Remove Ramp
5838	1	SR-1612 (Holt Rd)	Hasbrouck Dr		10		6										1	Remove Ramp
5840	1	SR-1612 (Holt Rd)	SR-3011 (Jenks Carpenter Rd)		10		6										1	Remove Ramp
5842	1	SR-1612 (Holt Rd)	SR-3011 (Jenks Carpenter Rd)		10												1	Remove Ramp
24755	1	SR-1612 (Holt Rd)	SR-3011 (Jenks Carpenter Rd)		18												1	Remove Ramp
24756	1	SR-1612 (Holt Rd)	SR-3011 (Jenks Carpenter Rd)												1			Standard - 848.06
25614	1	SR-1612 (Holt Rd)	SR-3011 (Jenks Carpenter Rd)													1		Standard - 848.06
25613	1	SR-1612 (Holt Rd)	SR-3011 (Jenks Carpenter Rd)													1		Standard - 848.06
25612	1	SR-1612 (Holt Rd)	SR-3011 (Jenks Carpenter Rd)													1		Standard - 848.06
5848	2	SR-3011 (Jenks Carpenter Rd)	Burgwin Wright Way												1			Standard - 848.06
5849	2	SR-3011 (Jenks Carpenter Rd)	Burgwin Wright Way		18		9										1	Remove Ramp
5850	2	SR-3011 (Jenks Carpenter Rd)	Burgwin Wright Way		18												1	Remove Ramp
5852	2	SR-3011 (Jenks Carpenter Rd)	Burgwin Wright Way												1			Type 1C
5857	3	SR-3011 (Jenks Carpenter Rd)	Park Village Dr												1			Type 1C
5858	3	SR-3011 (Jenks Carpenter Rd)	Park Village Dr												1			Type3Modified
5859	3	SR-3011 (Jenks Carpenter Rd)	Park Village Dr		16		9										1	Remove Ramp
5866	4	SR-3011 (Jenks Carpenter Rd)	White Oak Park (1216 Jenks Carpenter Rd)												1			Type1Modified
5867	4	SR-3011 (Jenks Carpenter Rd)	White Oak Park (1216 Jenks Carpenter Rd)												1			Type 1D
5868	4	SR-3011 (Jenks Carpenter Rd)	Fryar Creek Dr												1			Type3
5869	4	SR-3011 (Jenks Carpenter Rd)	Fryar Creek Dr												1			Type 1C
25338	5	SR-3011 (Jenks Carpenter Rd)	White Oak Greenway at Jenks Carpenter Rd												1			Standard Bicycle Access Ramp
25336	6	SR-3011 (Jenks Carpenter Rd)	White Oak Greenway Crossing at Jenks Carpenter Rd					6					1					Standard Greenway Connection
25337	6	SR-3011 (Jenks Carpenter Rd)	White Oak Greenway Crossing at Jenks Carpenter Rd										1					Standard Greenway Connection
Sub-Total				0	130	0	42	6	0	0	0	0	2	0	10	3	10	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - JENKS CARPENTER RD FROM SR 1612 TO SR 1618

Municipality:	Apex Cary
Project Number:	2024CPT.05.07.20921.1
County:	Wake

Sheet No.
37

Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type	
24757	7	SR-3011 (Jenks Carpenter Rd)	Matthew Meadow Ln												1				Standard - 848.06
17245	8	SR-3011 (Jenks Carpenter Rd)	Upchurch Farm Ln												1				Type3Modified
17246	8	SR-3011 (Jenks Carpenter Rd)	Upchurch Farm Ln												1				Type3Modified
17247	8	SR-3011 (Jenks Carpenter Rd)	Upchurch Farm Ln												1				Type3Modified
17248	8	SR-3011 (Jenks Carpenter Rd)	Upchurch Farm Ln												1				Type3Modified
24758	8	SR-3011 (Jenks Carpenter Rd)	Upchurch Farm Ln												1				Type3Modified
24759	8	SR-3011 (Jenks Carpenter Rd)	Upchurch Farm Ln												1				Type3Modified
Sub-Total				0	0	0	0	0	0	0	0	0	0	0	7	0	0		
Sub-Total for Jenks Carpenter Rd From SR 1612 To SR 1618				0	130	0	42	6	0	0	0	0	2	0	17	3	10		

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - WILSON RD FROM FLIP TRAIL TO END MAINT

Municipality:	Cary Morrisville
Project Number:	2024CPT.05.07.20921.1
County:	Wake

Sheet No.
38

Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type	
23145	1	SR-1763 (Wilson Rd)	Flip Trail												1				Standard - 848.06
23146	1	SR-1763 (Wilson Rd)	Flip Trail												1				Standard - 848.06
23148	1	SR-1763 (Wilson Rd)	Flip Trail												1				Standard - 848.06
Sub-Total for Wilson Rd From Flip Trail To END MAINT				0	0	0	0	0	0	0	0	0	0	0	3	0	0		

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - TRINITY RD FROM SR 5808 TO NC 54

Municipality:	Cary
Project Number:	2024CPT.05.07.20921.1
County:	Wake

Sheet No.
39

Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type	
17056	1	SR-1655 (Trinity Rd)	End of Sidewalk (966 Trinity Rd)											1					RetrofitWarnings
17057	2	SR-1655 (Trinity Rd)	Trinity Center (974 Trinity Rd)					3							1				Type 1C
17058	2	SR-1655 (Trinity Rd)	Trinity Center (974 Trinity Rd)												1				Type 1C
17059	3	SR-1655 (Trinity Rd)	Hampton Woods Ln												1				Type 1C
17060	3	SR-1655 (Trinity Rd)	Hampton Woods Ln												1				Type1Modified
Sub-Total for Trinity Rd From SR 5808 To NC 54				0	0	0	0	3	0	0	0	0	0	1	4	0	0		

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - DILLARD DR FROM SR 1313 TO SR 1423

Municipality:	Cary
Project Number:	2024CPT.05.07.20921.1
County:	Wake

Sheet No.	40
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Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type
8136	1	SR-1349 (Dillard Dr)	SR-1313 (Walnut St)							1					1			Type2B
8137	1	SR-1349 (Dillard Dr)	SR-1313 (Walnut St)												1			Type3Modified
8138	1	SR-1349 (Dillard Dr)	SR-1313 (Walnut St)				6								1			Type3Modified
8139	1	SR-1349 (Dillard Dr)	SR-1313 (Walnut St)												1			Type3Modified
8140	1	SR-1349 (Dillard Dr)	SR-1313 (Walnut St)				3								1			Type3Modified
8141	1	SR-1349 (Dillard Dr)	SR-1313 (Walnut St)				3								1			Standard - 848.06
8142	1	SR-1349 (Dillard Dr)	SR-1313 (Walnut St)												1			Standard - 848.06
8288	2	SR-1349 (Dillard Dr)	Meeting St		15		9										1	Remove Ramp
8289	2	SR-1349 (Dillard Dr)	Meeting St				3								1			Standard - 848.06
8290	2	SR-1349 (Dillard Dr)	Meeting St		15		9										1	Remove Ramp
8291	2	SR-1349 (Dillard Dr)	Meeting St					3							1			Standard - 848.06
8293	2	SR-1349 (Dillard Dr)	Meeting St												1			Standard - 848.06
8294	2	SR-1349 (Dillard Dr)	Meeting St												1			Standard - 848.06
8299	3	SR-1349 (Dillard Dr)	BJ's Gas Station (5731 Dillard Dr)												1			Type 1C
8300	3	SR-1349 (Dillard Dr)	BJ's Gas Station (5731 Dillard Dr)												1			Type1Modified
8301	3	SR-1349 (Dillard Dr)	BJ's Gas Station (5731 Dillard Dr)									2				1		Type7
8302	3	SR-1349 (Dillard Dr)	BJ's Gas Station (5731 Dillard Dr)									2				1		Type7
8296	4	SR-1349 (Dillard Dr)	Life storage (5738 Dillard Dr)												1			Type1B
8270	5	SR-1349 (Dillard Dr)	SR-1423 (Piney Plains Rd)												1			Type3Modified
8271	5	SR-1349 (Dillard Dr)	SR-1423 (Piney Plains Rd)		18		12										1	Remove Ramp
8272	5	SR-1349 (Dillard Dr)	SR-1423 (Piney Plains Rd)												1			Type 1D
8273	5	SR-1349 (Dillard Dr)	SR-1423 (Piney Plains Rd)		18		9										1	Remove Ramp
8297	5	SR-1349 (Dillard Dr)	SR-1423 (Piney Plains Rd)		15		9										1	Remove Ramp
8298	5	SR-1349 (Dillard Dr)	SR-1423 (Piney Plains Rd)		15		9										1	Remove Ramp
Sub-Total for Dillard Dr From SR 1313 To SR 1423				0	96	0	72	3	0	1	0	4	0	0	16	2	6	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

ADA SUMMARY OF QUANTITIES - LAKE DAM RD FROM I-40 TO SR 1009

Municipality:	Raleigh
Project Number:	2024CPT.05.07.20921.1
County:	Wake

Sheet No.
41

Ramp ID	Inset Map Number	Route 1	Route 2	1704000000-E (TON) Patching Existing Pavement	2549000000-E (LF) 2'-6" Concrete Curb & Gutter	2752000000-E (LF) Remove Curb & Gutter	2591000000-E (SY) 4" Concrete Sidewalk	2738000000-E (SY) Remove and Replace Sidewalk	2738000000-E (SY) Remove Sidewalk	2830000000-N (EA) Adjustment of Manholes	2845000000-N (EA) Adjustment of Meter Boxes or Valve Boxes	2738000000-E (SY) Remove Island	2738000000-E (SY) Remove and Replace Greenway Connection	2759000000-N (EA) Retrofit Curb Ramp Detectable Warnings	2613000000-N (EA) Remove and Replace Curb Ramp	2605000000-N (EA) Concrete Curb Ramp	2759000000-N (EA) Remove Curb Ramp	Improvement Type
8448	1	SR-1427 (Lake Dam Rd)	Eagles Gas Station (4100 Tryon Rd) Lake Dam Rd Entrance												1			Type1C
8449	1	SR-1427 (Lake Dam Rd)	Eagles Gas Station (4100 Tryon Rd) Lake Dam Rd Entrance												1			Type1C
2040	2	SR-1009 (Tryon Rd)	SR-1427 (Lake Dam Rd)		15		9										1	Remove Ramp
2041	2	SR-1009 (Tryon Rd)	SR-1427 (Lake Dam Rd)						6						1			Type 1C
2042	2	SR-1009 (Tryon Rd)	SR-1427 (Lake Dam Rd)		15		9										1	Remove Ramp
2043	2	SR-1009 (Tryon Rd)	SR-1427 (Lake Dam Rd)												1			Type3Modified
Sub-Total for Lake Dam Rd From I-40 To SR 1009				0	30	0	18	0	6	0	0	0	0	0	4	0	2	

Note: ADA quantity totals are provided on the project 'ADA SUMMARY OF QUANTITIES - TOTALS' page.

PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.05.07.10921.1, etc.	42	

SUMMARY OF QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	FINAL SURFACE TESTING REQUIRED	WARM MIX ASPHALT REQUIRED	LENGTH	WIDTH	1220000000-E	1245000000-E	1260000000-E	1297000000-E	1330000000-E	1519000000-E	1523000000-E	1575000000-E	1704000000-E	2549000000-E	2591000000-E	2605000000-N	2613000000-N	2738000000-E				
											INCIDENTAL STONE BASE	SHOULDER RECONSTRUCTION	AGGREGATE SHOULDER BORROW	2" MILLING	1 1/2" MILLING	INCIDENTAL MILLING	SURFACE COURSE, S9.5B	SURFACE COURSE, S9.5C	ASPHALT BINDER FOR PLANT MIX	PATCHING EXISTING PAVEMENT	2'-6" CURB & GUTTER	4" CONCRETE SIDEWALK	CONCRETE CURB RAMP	REMOVE AND REPLACE CURB RAMPS	REMOVE AND REPLACE SIDEWALK	REMOVE SIDEWALK	REMOVE ISLAND	
									MI	FT	TONS	SMI	TON	SY	SY	SY	TONS	TONS	TON	TONS	LF	SY	EA	EA	SY	SY	SY	
2024CPT.05.07.10921.1	Wake	1	NC-55 N / E BROAD ST/N ENNIS ST/N BROAD ST	US 401 TO SR 5056 / N JUDD PKWY NE	1	2	NO	NO	0.973	22-75	12			25,858		4,748		3,611	214	10	81	42	3	24	33	35		
TOTAL FOR PROJ NO. 2024CPT.05.07.10921.1									0.973		12			25,858		4,748		3,611	214	10	81	42	3	24	33	35		
2024CPT.05.07.20921.1	Wake	2	SR-1527 / FARMER LN	SR 1381 / YATES MILL POND RD TO SR 1528 / COUNTRY COVE LN	2	2	NO	NO	0.1	20	5				100	85		6	10									
2024CPT.05.07.20921.1	Wake	3	SR-1528 / COUNTRY COVE LN	CUL-DE-SAC TO CUL-DE-SAC	2	2	NO	NO	0.2	20	5					452		30	22									
2024CPT.05.07.20921.1	Wake	4	SR-1567 / SHILLING CT	SR 1381 / YATES MILL POND RD TO CUL-DE-SAC	2	2	NO	NO	0.104	20	5			120	117		9	22										
2024CPT.05.07.20921.1	Wake	5	SR-4032 / SUN VALLEY DR	SR 1381 / YATES MILL POND RD TO CUL-DE-SAC	2	2	NO	NO	0.2	18	10			250	168		16	102										
2024CPT.05.07.20921.1	Wake	6	SR-6204 / DUNTRUNE CT	SR 1567 / SHILLING CT TO CUL-DE-SAC	2	2	NO	NO	0.099	20	5				87		6	10										
2024CPT.05.07.20921.1	Wake	7	SR-1427 / LAKE DAM RD	I-40 BRIDGE TO SR 1009 / TRYON RD	4	2	NO	NO	0.172	38	3			3,554	317	336		22	10	30	18		4		6			
2024CPT.05.07.20921.1	Wake	8	SR-1349 / DILLARD DR	SR 1313 / WALNUT ST TO SR 1423 / PINEY PLAINS RD	4	5	NO	NO	0.382	64-86				13,861	1,808	1,360		89	10	96	72	2	16	3		4		
2024CPT.05.07.20921.1	Wake	9	SR-1423 / PINEY PLAINS RD	SR 1349 / DILLARD DR TO PVMT JOINT	4	5	NO	NO	0.142	64				5,332	260	485		32	15									
2024CPT.05.07.20921.1	Wake	10	SR-1611 / OLD JENKS RD	SR 1612 / HOLT RD TO SR 5878 / N SALEM ST	4	2	NO	NO	0.588	20-64	17	0.68	63	11,920	1,395	1,217		84	109	87	21		10	12	9	6		
2024CPT.05.07.20921.1	Wake	11	SR-1655 / TRINITY RD	SR 5808 / E CHATHAM ST TO NC 54 / CHAPEL HILL RD	4	2	NO	NO	0.392	22-48	6			8,437	933	814		55	52				4	3				
2024CPT.05.07.20921.1	Wake	12	SR-3011 / JENKS CARPENTER RD	SR 1612 / HOLT RD TO SR 1618 / WALDO ROOD BLVD	4	2	NO	NO	1.292	20-40	28	1.11	103	22,066	985	2,005		144	280	130	42	3	17	6				
2024CPT.05.07.20921.1	Wake	13	SR-1604 / CASTLEBERRY RD	SR-1603 / WIMBERLY RD TO DEAD END	3	2	NO	NO	0.805	20	40	1.61	149		510	860		65	179									
2024CPT.05.07.20921.1	Wake	14	SR-1603 / WIMBERLY RD	SR-1601 / JENKS RD TO SR-1605 / GREEN LEVEL W RD	3	2	NO	NO	1.973	21-30	99	3.95	365		775	2,227		147	55									
2024CPT.05.07.20921.1	Wake	15	SR-1763 / WILSON RD	FAR SIDE OF FLIP TRAIL TO END MAINT	4	2	NO	NO	0.123	18-34	3	0.13	12		1,740	530	197		13	12			3					
2024CPT.05.07.20921.1	Wake	16	SR-1764 / WILSON RD	SR-1763 / WILSON RD TO END OF CURB PVMT JT	4	2	NO	NO	0.038	18	2			375	75	35		4	30									
2024CPT.05.07.20921.1	Wake	17	SR-1149 / FRIENDSHIP RD	OLD US1 TO US1 BRIDGE	2	2	NO	NO	1.25	19	63	2.50	231		366	1,028		72	100									
TOTAL FOR PROJ NO. 2024CPT.05.07.20921.1									7.86		291	9.98	923		67,285	8,424	11,473		794	1,018	343	153	5	54	24	15	10	
GRAND TOTAL									8.833		303	9.98	923	25,858	67,285	13,172	11,473	3,611	1,008	1,028	424	195	8	78	57	50	10	

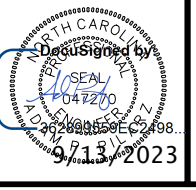
PROJECT NO.	SHEET NO.	TOTAL NO.
2024CPT.05.07.10921.1, etc.	45	

THERMOPLASTIC AND PAINT QUANTITIES

PROJECT NO	COUNTY	MAP NO	ROUTE	DESCRIPTION	TYP NO	LANES	LENGTH	WIDTH	4770000000-E		4810000000-E		4820000000-E	4825000000-E	4835000000-E	4845000000-N			4850000000-E	4905100000-N
									4"	4"	4"	4"	8" WHITE	12" YELLOW	24" WHITE	PAINT	PAINT	PAINT STR	4" LINE	NON-CAST
									WHITE COLD APPLIED PLASTIC, TYPE III	YELLOW COLD APPLIED PLASTIC, TYPE III	WHITE PAINT	YELLOW PAINT	PAINT	PAINT	PAINT STR & RT ARROW	LT ARROW	STR ARROW	REMOVAL	IRON SNOWPLOWABLE PAVEMENT MARKER	
						MI	FT	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA		
2024CPT.05.07.10921.1	Wake	1	NC-55 N / E BROAD ST/N ENNIS ST/N BROAD ST	US 401 TO SR 5056 / N JUDD PKWY NE	1	2	0.973	22-75												233
TOTAL FOR PROJ NO. 2024CPT.05.07.10921.1							0.973													233
2024CPT.05.07.20921.1	Wake	2	SR-1527 / FARMER LN	SR 1381 / YATES MILL POND RD TO SR 1528 / COUNTRY COVE LN	2	2	0.1	20												
2024CPT.05.07.20921.1	Wake	3	SR-1528 / COUNTRY COVE LN	CUL-DE-SAC TO CUL-DE-SAC	2	2	0.2	20												
2024CPT.05.07.20921.1	Wake	4	SR-1567 / SHILLING CT	SR 1381 / YATES MILL POND RD TO CUL-DE-SAC	2	2	0.104	20												
2024CPT.05.07.20921.1	Wake	5	SR-4032 / SUN VALLEY DR	SR 1381 / YATES MILL POND RD TO CUL-DE-SAC	2	2	0.2	18												
2024CPT.05.07.20921.1	Wake	6	SR-6204 / DUNTRUNE CT	SR 1567 / SHILLING CT TO CUL-DE-SAC	2	2	0.099	20												
2024CPT.05.07.20921.1	Wake	7	SR-1427 / LAKE DAM RD	I-40 BRIDGE TO SR 1009 / TRYON RD	4	2	0.172	38	640	640									1,280	
2024CPT.05.07.20921.1	Wake	8	SR-1349 / DILLARD DR	SR 1313 / WALNUT ST TO SR 1423 / PINEY PLAINS RD	4	5	0.382	64-86			1,977	3,560	558	115	271	10	6	6		
2024CPT.05.07.20921.1	Wake	9	SR-1423 / PINEY PLAINS RD	SR 1349 / DILLARD DR TO PVMT JOINT	4	5	0.142	64			475	2,344		132		2				
2024CPT.05.07.20921.1	Wake	10	SR-1611 / OLD JENKS RD	SR 1612 / HOLT RD TO SR 5878 / N SALEM ST	4	2	0.588	20-64												
2024CPT.05.07.20921.1	Wake	11	SR-1655 / TRINITY RD	SR 5808 / E CHATHAM ST TO NC 54 / CHAPEL HILL RD	4	2	0.392	22-48												
2024CPT.05.07.20921.1	Wake	12	SR-3011 / JENKS CARPENTER RD	SR 1612 / HOLT RD TO SR 1618 / WALDO ROOD BLVD	4	2	1.292	20-40												
2024CPT.05.07.20921.1	Wake	13	SR-1604 / CASTLEBERRY RD	SR-1603 / WIMBERLY RD TO DEAD END	3	2	0.805	20												
2024CPT.05.07.20921.1	Wake	14	SR-1603 / WIMBERLY RD	SR-1601 / JENKS RD TO SR-1605 / GREEN LEVEL W RD	3	2	1.973	21-30												
2024CPT.05.07.20921.1	Wake	15	SR-1763 / WILSON RD	FAR SIDE OF FLIP TRAIL TO END MAINT	4	2	0.123	18-34												
2024CPT.05.07.20921.1	Wake	16	SR-1764 / WILSON RD	SR-1763 / WILSON RD TO END OF CURB PVMT JT	4	2	0.038	18												
2024CPT.05.07.20921.1	Wake	17	SR-1149 / FRIENDSHIP RD	OLD US1 TO US1 BRIDGE	2	2	1.25	19	580	580									1,160	
TOTAL FOR PROJ NO. 2024CPT.05.07.20921.1							7.86		1,220	1,220	2,452	5,904	558	247	271	12	6	6	2,440	
GRAND TOTAL							8.833		2,440	2,440	8,356	8,356	558	247	271	12	6	6	2,440	233

PROJECT REFERENCE NO.		SHEET NO.	
2024CPT.05.07.10921.1, etc.		PMP-1	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

TRINITY ROAD
E. Chatham Street to Chapel Hill Road (NC-54)
 Striping Improvements
 PLAN VIEW

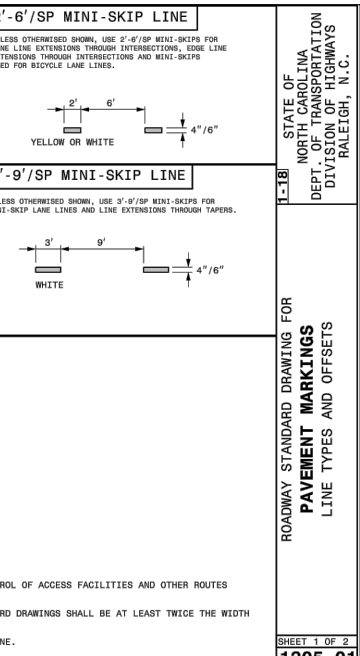
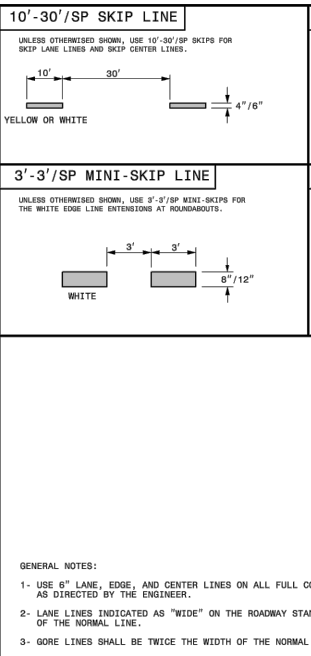
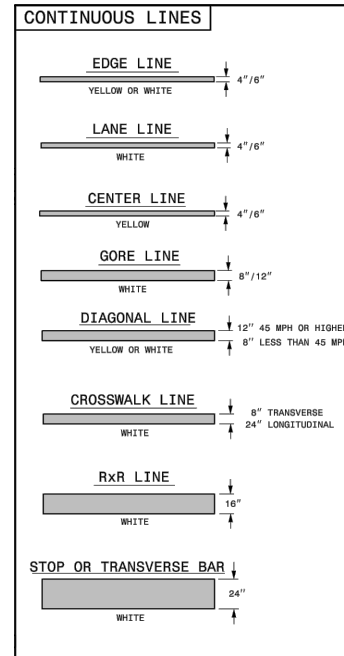


5/14/23

CONTRACTIVE
 DESIGN
 CONSULTING

TRINITY ROAD
E. Chatham Street to Chapel Hill Road (NC-54)
Striping Improvements

NOTES, SCHEDULES AND DETAILS



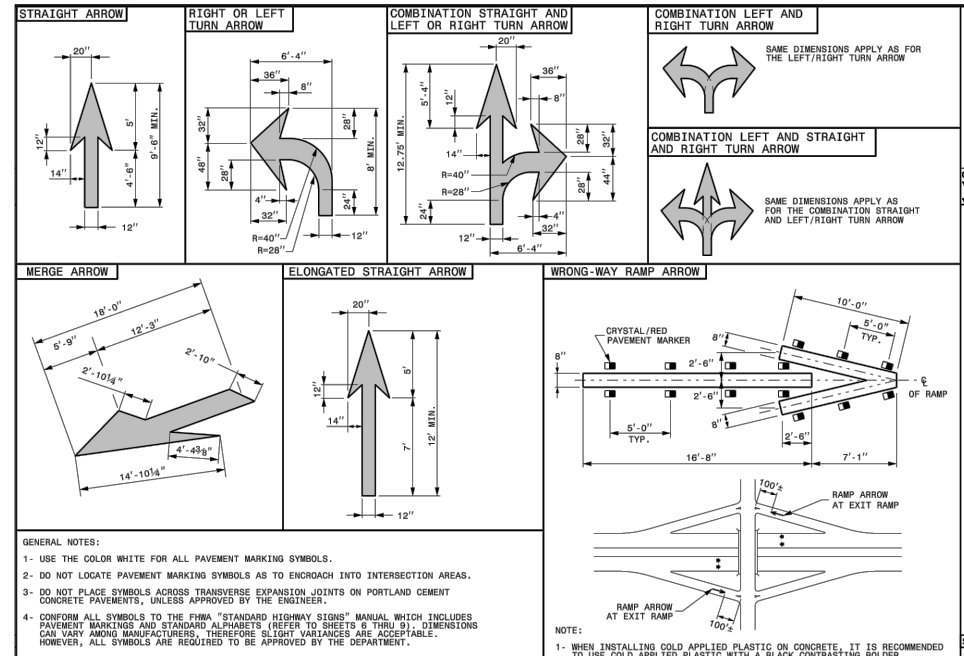
GENERAL NOTES:

- USE 6" LANE, EDGE, AND CENTER LINES ON ALL FULL CONTROL OF ACCESS FACILITIES AND OTHER ROUTES AS DIRECTED BY THE ENGINEER.
- LANE LINES INDICATED AS "WIDE" ON THE ROADWAY STANDARD DRAWINGS SHALL BE AT LEAST TWICE THE WIDTH OF THE NORMAL LINE.
- GORE LINES SHALL BE TWICE THE WIDTH OF THE NORMAL LINE.

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

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
LINE TYPES AND OFFSETS

SHEET 1 OF 2
1205.01



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

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

SHEET 1 OF 8
1205.08

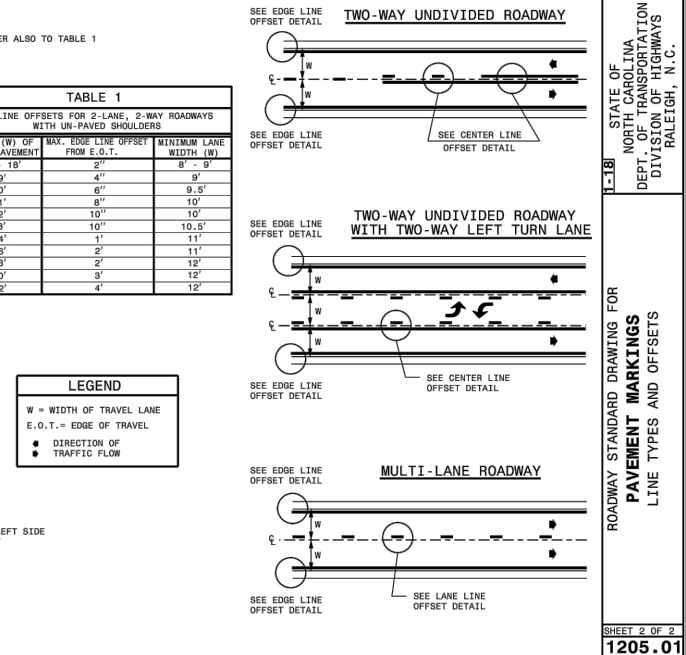
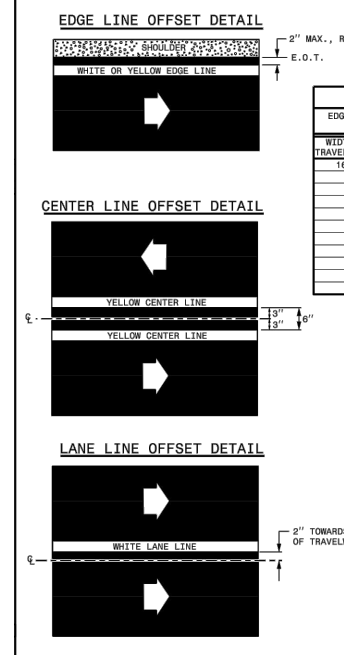


TABLE 1

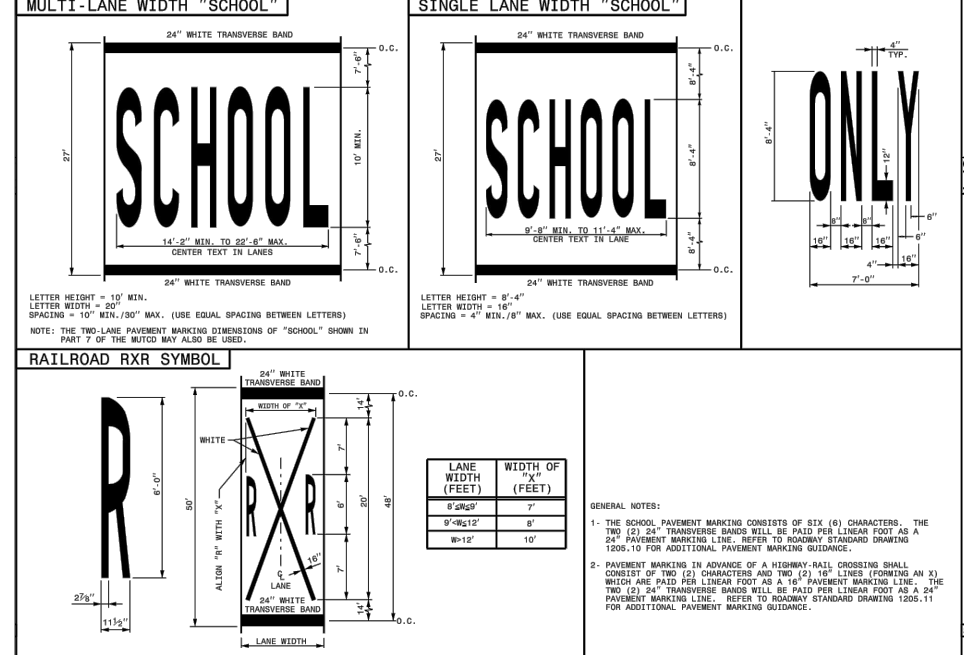
EDGE LINE OFFSETS FOR 2-LANE, 2-WAY ROADWAYS WITH UN-PAVED SHOULDERS

WIDTH (W) OF TRAVEL PAVEMENT	MAX. EDGE LINE OFFSET FROM E.O.T.	MINIMUM LANE WIDTH (W)
16' - 18'	2'	8' - 9'
19'	4"	9'
20'	6"	9.5'
21'	8"	10'
22'	10"	10.5'
23'	11"	11'
24'	1'	11'
25'	2'	11'
26'	2'	12'
27'	3'	12'
28'	4'	12'
29'	4'	12'

LEGEND

W = WIDTH OF TRAVEL LANE
E.O.T. = EDGE OF TRAVEL

• DIRECTION OF TRAFFIC FLOW



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

ROADWAY STANDARD DRAWING FOR
PAVEMENT MARKINGS
SYMBOLS AND WORD MESSAGES

SHEET 4 OF 8
1205.08

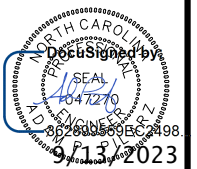
- NOTES:
- CONTRACTOR TO COORDINATE WITH PROJECT MANAGER TO VERIFY ALIGNMENT OF ALL SIGNS, MARKING LINES AND SYMBOLS PRIOR TO PLACEMENT.
 - ROAD CENTERLINE AND STATIONING ARE BASED ON GEOGRAPHIC INFORMATION SYSTEM RECORDS AND ARE FOR RELATIVE REFERENCE ONLY.
 - NC DOT STANDARD DRAWINGS (PORTION) SHOWN FOR INFORMATION ONLY. ALL WORK SHALL COMPLY WITH NC DOT STANDARD DRAWINGS AND SPECIFICATIONS, LATEST EDITION, EXCEPT AS SPECIFICALLY MODIFIED IN THE CONTRACT DOCUMENTS.
 - ALL MARKING LINES SHALL BE THERMOPLASTIC IN ACCORDANCE WITH NC DOT STANDARDS, THICKNESS AS SHOWN.

STRIPING LEGEND & QUANTITY

ITEM DESCRIPTION	NC DOT STD DWG	QTY	UOM
① 4-INCH WIDE WHITE LINE, 90-MILS	1205.01	3244	LF
② 4-INCH WIDE YELLOW CENTERLINE, 90-MILS	1205.01	3661	LF
③ 24-INCH WIDE WHITE LINE (STOP BAR / CROSSWALK), 90-MILS	1205.01, 1205.07	68	LF
④ RAILROAD "R" SYMBOL, 90-MILS	1205.08	2	EA
⑤ 16-INCH WIDE WHITE LINE, 90-MILS	1205.01, 1205.08	43	LF
⑥ 24-INCH WIDE WHITE LINE (RAILROAD), 90-MILS	1205.01, 1205.08	20	LF
⑦ 3' - 9' MINI-SKIP LINE, 90-MILS	1205.01	150	LF
⑧ 10' - 30' SKIP LINE, 90-MILS	1205.01	376	LF
⑨ TURN ARROW SYMBOL, 90 MILS	1205.08	2	EA
⑩ COMBINATION STRAIGHT AND TURN ARROW SYMBOL, 90 MILS	1205.08	2	EA

5/14/23

C:\PROJECTS\2024\TRINITY\DRAWING\1205.08.DWG

PROJECT REFERENCE NO.	SHEET NO.
2024CPT.05.07.10921.1, etc.	PMP-3
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	

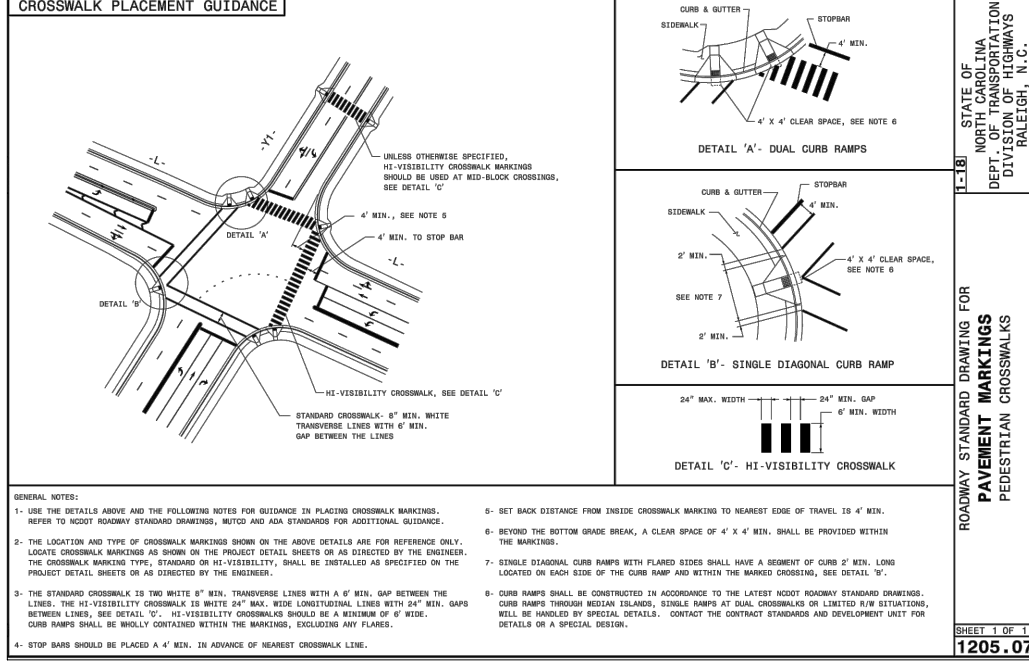
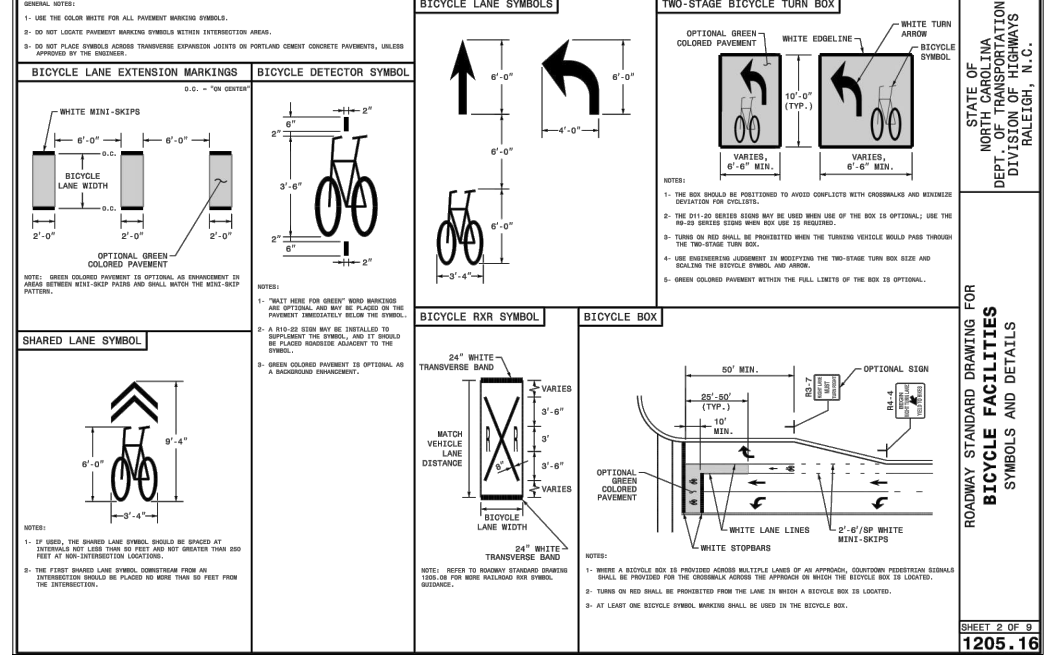
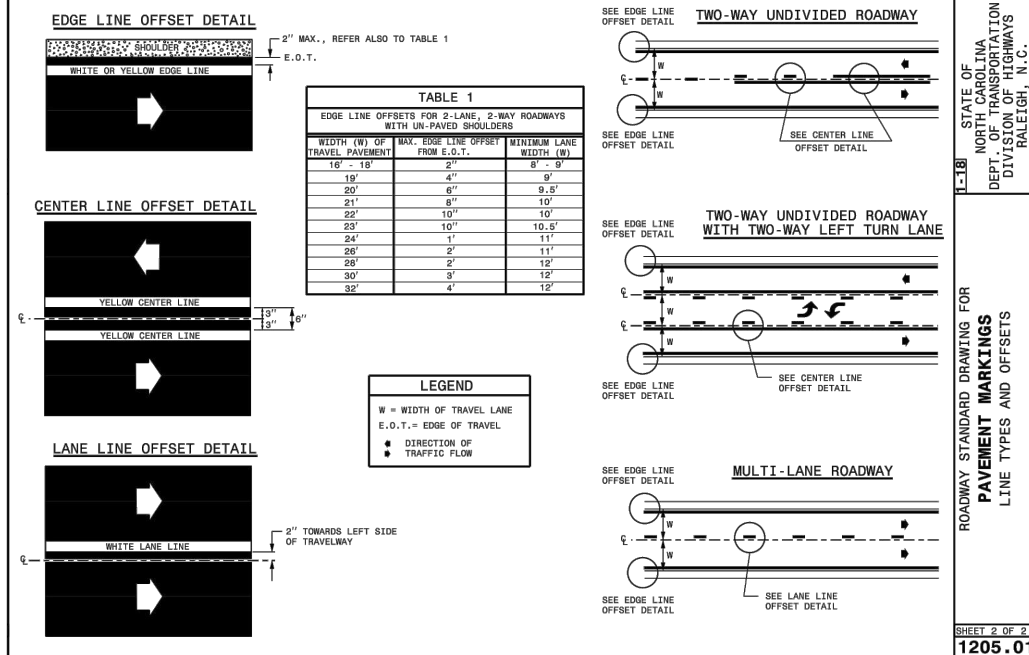
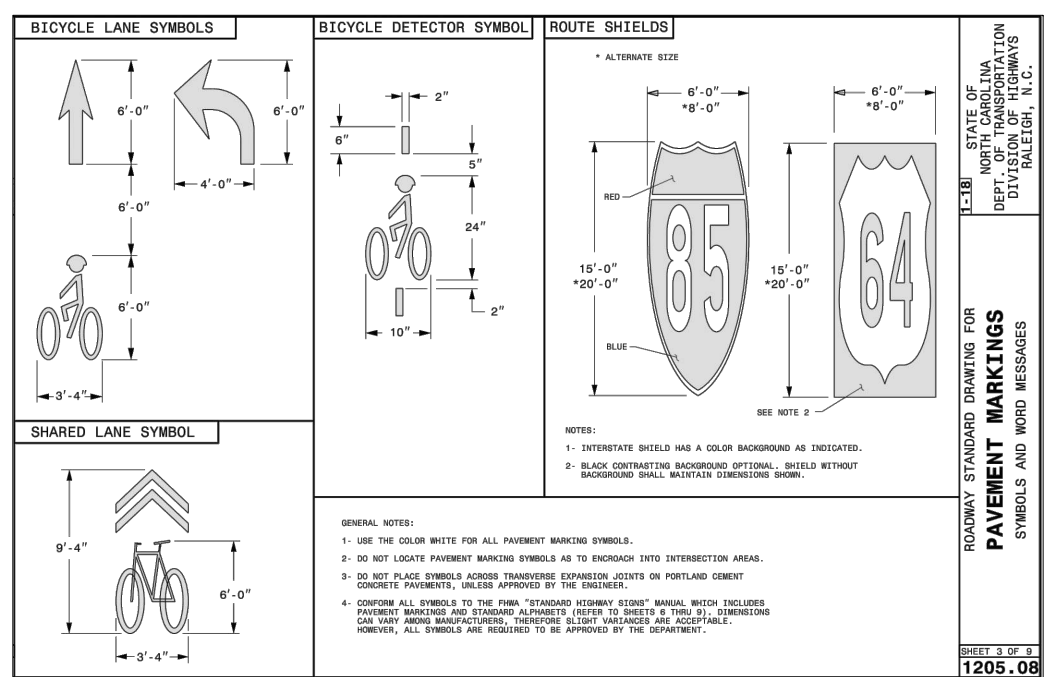
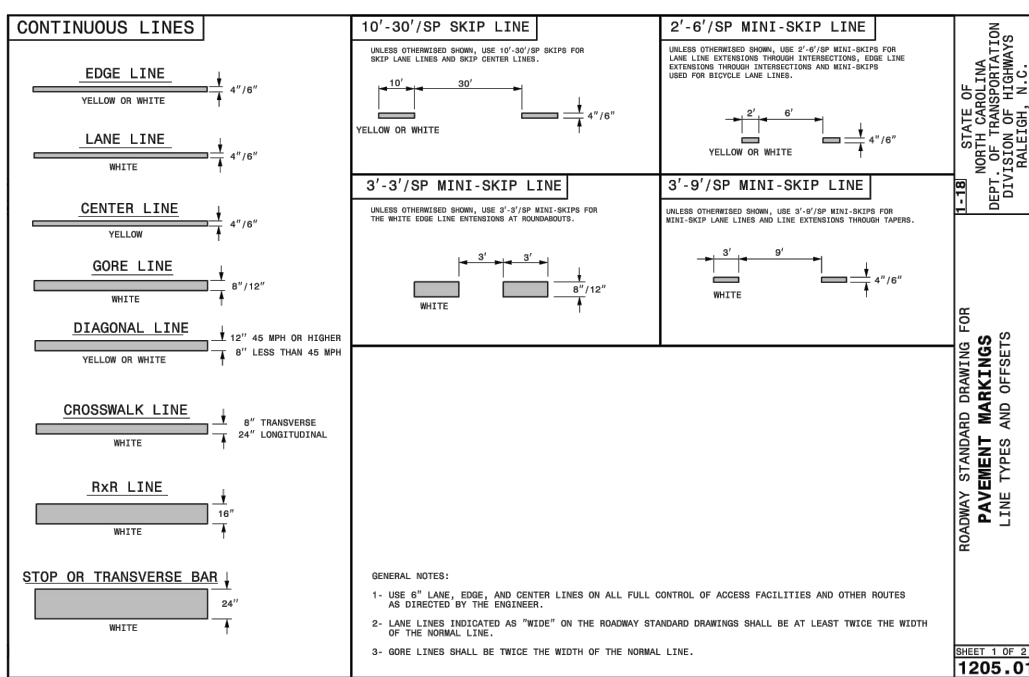
JENKS CARPENTER ROAD
Holt Road to Fryar Creek Drive
Striping Improvements
PLAN VIEW



5/14/23

SECTION CUTTING LINE

JENKS CARPENTER ROAD
Holt Road to Fryar Creek Drive
 Striping Improvements
 NOTES, SCHEDULES AND DETAILS



- NOTES:**
- CONTRACTOR TO COORDINATE WITH PROJECT MANAGER TO VERIFY ALIGNMENT OF ALL SIGNS, MARKING LINES AND SYMBOLS PRIOR TO PLACEMENT.
 - ALL SIGNS SHALL MEET THE REQUIREMENTS OF THE MUTCD, LATEST EDITION. SIGNS SHALL BE INSTALLED ON 3 LB GALVANIZED U-CHEANNEL.
 - SIGNS SHALL BE FLUORESCENT YELLOW GREEN (FYG) AS INDICATED ON THE PLAN. FIELD LOCATE SIGNS TO AVOID VISIBILITY OBSTRUCTIONS.
 - ROAD CENTERLINE AND STATIONING ARE BASED ON GEOGRAPHIC INFORMATION SYSTEM RECORDS AND ARE FOR RELATIVE REFERENCE ONLY.
 - NCOTD STANDARD DRAWINGS (PORTION) SHOWN FOR INFORMATION ONLY. ALL WORK SHALL COMPLY WITH NCOTD STANDARD DRAWINGS AND SPECIFICATIONS, LATEST EDITION, EXCEPT AS SPECIFICALLY MODIFIED IN THE CONTRACT DOCUMENTS.
 - ALL MARKING LINES SHALL BE THERMOPLASTIC IN ACCORDANCE WITH NCOTD STANDARDS, THICKNESS AS SHOWN.
 - CROSSWALK LINES SHALL EXTEND FROM LIP OF GUTTER TO LIP OF GUTTER. STOP BARS SHALL EXTEND FROM LIP OF GUTTER TO CENTERLINE OF ROAD.
 - STRIPES STANDARD CROSSWALK MARKINGS AS SHOWN, 8-FT ON-CENTER, CENTERED ON A THEORETICAL LINE DRAWN FROM CENTER OF ADA RAMP TO CENTER OF ADA RAMP.
 - ALIGN HIGH-VISIBILITY CROSSWALK MARKINGS, PARALLEL TO TRAFFIC, WITH A THEORETICAL LINE DRAWN FROM CENTER OF ADA RAMP TO CENTER OF ADA RAMP.

STRIPING LEGEND & QUANTITY

ITEM DESCRIPTION	NCOTD STD DWG	QTY	UOM
1 4-INCH WIDE WHITE LINE, 90-MILS	1205.01	6496	LF
2 4-INCH WIDE YELLOW CENTERLINE, 90-MILS	1205.01	6820	LF*
3 24-INCH WIDE WHITE LINE (STOP BAR), 90-MILS	1205.01	93	LF
4 8-INCH WIDE WHITE LINE (CROSSWALK), 90-MILS	1205.01, 1205.07	304	LF
5 BICYCLE LANE MARKINGS (ARROW & RIDER), 90-MILS	1205.08	21	EA
6 GREEN BIKE LANE INFILL - 2' - 6" MINI-SKIP, 90-MILS	1205.16	537	SF**
7 24-INCH WIDE WHITE LINE (CROSSWALK), 90-MILS	1205.01, 1205.07	170	LF
8 2' - 6" MINI-SKIP LINE, 90-MILS	1205.01	1070	LF

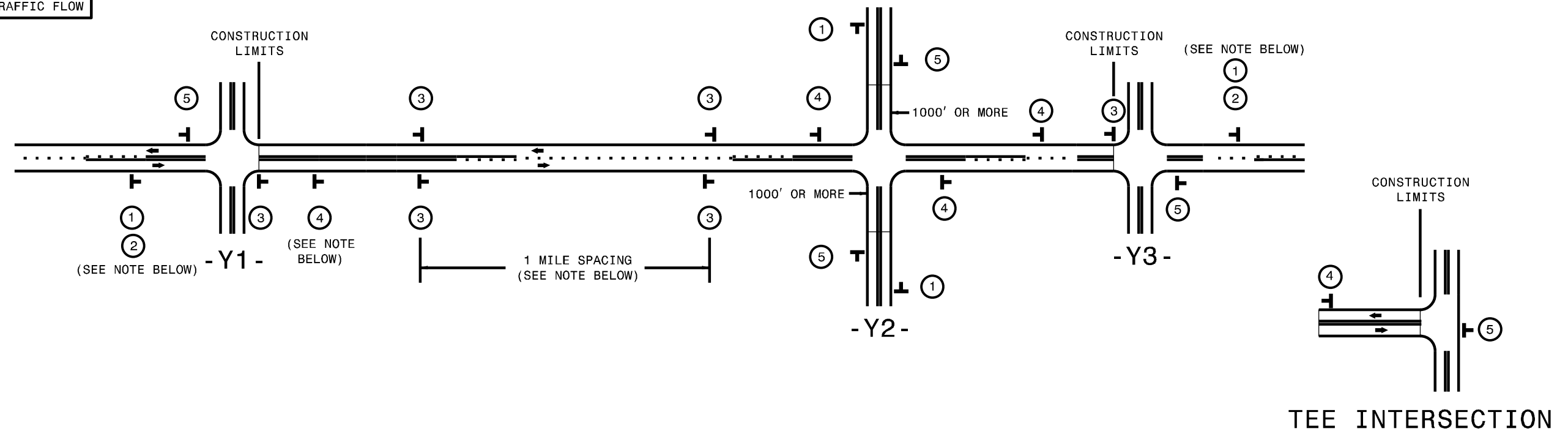
* QUANTITY OF DOUBLE LINES IS BASED ON TOTAL LINEAR FOOTAGE OF STRIPING (1 FT OF CL = 2 FT QTY)
 ** QUANTITY OF GREEN BIKE LANE INFILL SHOWN IS QUANTITY OF INFILL STRIPING ONLY. QUANTITY OF LINEAR STRIPING IS COUNTED WITH 2' - 6" MINI SKIP LINE.

SIGN SCHEDULE

SIGN PANEL	DESIG.	SIZE	QTY	UOM	NOTES
(A)	BICYCLE SHARE THE ROAD	W11-1 (FYG) W16-1P (FYG)	30 X 30 18 X 24	1	EA
(B)	BICYCLE BIKE LANE ENDS	R3-17 R3-17bP	24 X 18 24 X 8	2	EA
(C)	BICYCLE BIKE LANE	R3-17	24 X 18	9	EA
(D)	PEDESTRIAN WALKING	W11-2 (FYG) W16-7P-L (FYG)	30 X 30 24 X 12	1	EA
(E)	PEDESTRIAN WALKING AHEAD	DBL - W11-2 (FYG) W16-7P-L (FYG) W16-7P-R (FYG)	30 X 30 24 X 12 24 X 12	1	EA INSTALL DOUBLE (DBL) - FACING CROSSWALK SIGNS ON A SINGLE POST
(F)	PEDESTRIAN WALKING AHEAD	W11-2 (FYG) W16-9P (FYG)	30 X 30 24 X 12	1	EA







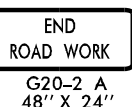
SIGNING FOR RESURFACING PROJECTS

LEGEND
 STATIONARY SIGN
 DIRECTION OF TRAFFIC FLOW



MAINLINE (-L-) SIGNING

-Y- LINE SIGNING

SIGNING NOTES AND PLACEMENT PER DIRECTION	 	<p>PLACE 1000' PRIOR TO BEGINNING OF CONSTRUCTION LIMITS. ONLY USED ON -Y- LINES IF RESURFACING LIMITS EXTEND 1000' ALONG -Y- LINE.</p> <p>#2 SIGN ONLY USED WHEN CONSTRUCTION LIMITS ARE 2 OR MORE MILES IN LENGTH. ROUND UP TO NEXT WHOLE NUMBER. (NO FRACTIONAL OR DECIMAL NUMBERS)</p>	<p>NO REQUIRED STATIONARY SIGNING FOR THE FOLLOWING -Y- LINE CONDITIONS:</p> <ol style="list-style-type: none"> 1) LESS THAN 1000' OF RESURFACING ALONG -Y- LINE 2) SUBDIVISION ROADS 3) DEAD END ROADS <p>WHEN PAVING/CONSTRUCTION ACTIVITIES PROCEED ACROSS AN UNSIGNED -Y- LINE, PORTABLE ADVANCE WARNING SIGNS SHALL BE USED ALONG THE -Y- LINE AS SHOWN BELOW. REMOVE UPON COMPLETION OF WORK.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <small>W20-1 48" X 48"</small> PLACED 500' IN ADVANCE OF FLAGGER. </div> <div style="text-align: center;">  <small>W20-7 A 48" X 48"</small> PLACED 250' IN ADVANCE OF FLAGGER. </div> </div>
		<p>- PLACE INITIALLY AT THE CONSTRUCTION LIMITS AND SPACE 1 MILE APART THEREAFTER.</p> <p>- AT TEE INTERSECTIONS INSTALL INITIALLY 1/2 MILE FROM INTERSECTION AND SPACE 1 MILE APART THEREAFTER.</p>	
		<p>- THESE ARE FOR -Y- LINES THAT ARE "THROUGH" ROADWAYS.</p> <p>- DEAD END AND SUBDIVISION ROADS ARE NOT "THROUGH" ROADWAYS.</p> <p>- INSTALL 500' +/- FROM EACH -Y- LINE APPROACH AS SHOWN ABOVE.</p> <p>- FOR MULTIPLE -Y- LINES THAT ARE SEPARATED BY 0.25 MILES OR LESS, TREAT AS A SINGLE UNIT AND INSTALL WITHIN 500' OF EACH APPROACH.</p> <p>- A MAXIMUM OF 2 SIGN SETS PER MILE. DO NOT INSTALL WHEN -Y- LINES ARE WITHIN 0.5 MILES FROM "END ROAD WORK" SIGN.</p> <p>- FOR TEE INTERSECTIONS, INSTALL WITHIN 500' +/- OF THE INTERSECTION ALONG -L- LINE.</p>	
		<p>PLACE 500' FOLLOWING THE END OF CONSTRUCTION LIMITS OR AS SHOWN WHEN WORK ENDS AT A 3-WAY TEE INTERSECTION.</p>	

THE ABOVE SIGNS ARE ALL THAT ARE REQUIRED FOR A CONTRACTOR TO BEGIN A RESURFACING CONTRACT. ANY ADDITIONAL SIGNS REQUESTED BY NCDOT DIVISIONS SHALL BE INSTALLED WITHIN 7 BUSINESS DAYS OF THE START OF CONTRACT WORK.

MAPS LESS THAN 2 MILES

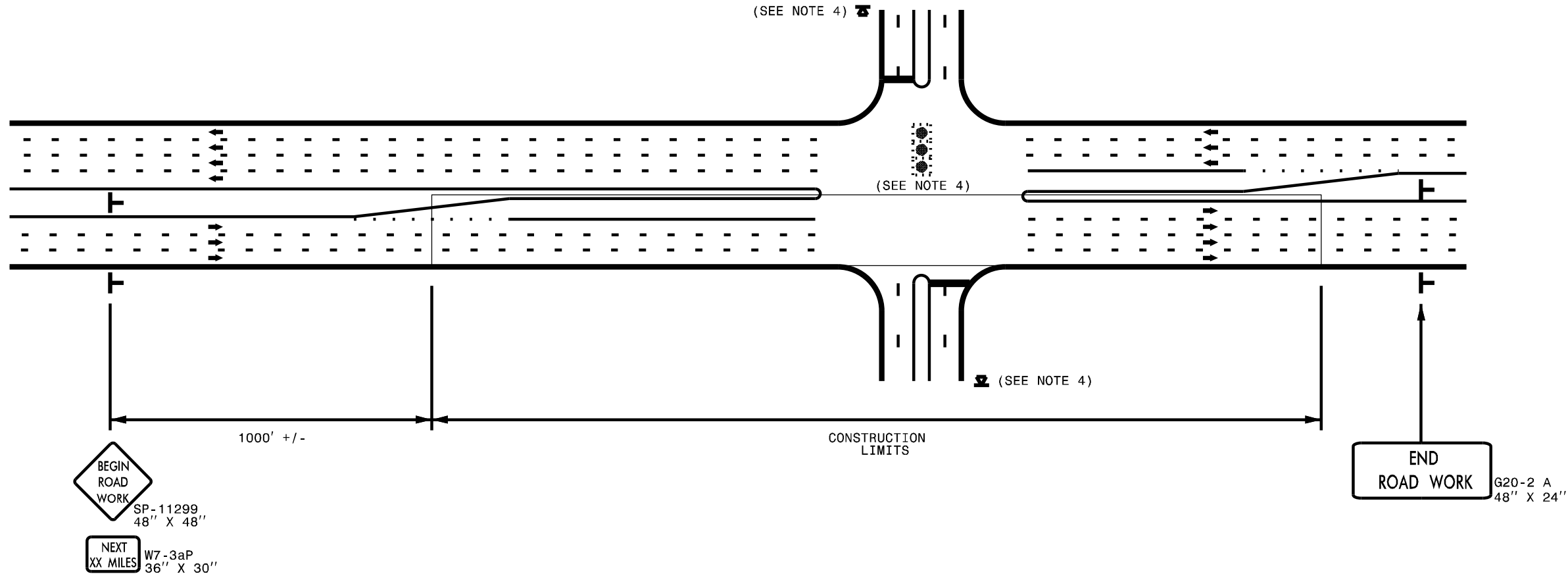
FOR RESURFACING MAPS WITH CONSTRUCTION LIMITS LESS THAN 2 MILES IN LENGTH, NO STATIONARY SIGNS ARE REQUIRED. USE PORTABLE "ROAD UNDER CONSTRUCTION" OR "ROAD WORK AHEAD" SIGNS IN LIEU OF STATIONARY ADVANCE WARNINGS SIGNS.



ADVANCE WARNING SIGNS FOR RURAL AND SUBURBAN 2-LANE ROADWAY RESURFACING

\$\$\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DCON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

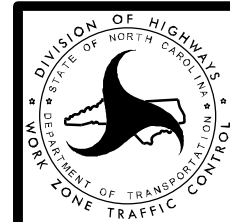
URBAN / SUBURBAN WORKZONES



NOTES:

- 1) 48" x 48" SIZED SIGNS (SP- 11299) MAY BE REDUCED TO 36" X 36" ON ROADWAYS WITH SPEED LIMITS OF 40 MPH OR LESS.
- 2) MOUNT SIGNS THAT ARE LARGER THAN 10 SQUARE FEET IN AREA ON TWO OR MORE WOOD OR U-CHANNEL SUPPORTS. PERFORATED SQUARE TUBING SUPPORT SYSTEMS MAY SUPPORT LARGER AREAS ON A SINGLE SUPPORT. FOLLOW MANUFACTURER'S RECOMMENDATIONS. THESE SYSTEMS SHALL BE NCHRP 350 COMPLIANT AND NCDOT APPROVED.
- 3) ADVANCE WARNING SIGNS NOT REQUIRED ON NON-SIGNALIZED SIDE STREETS.
- 4) MAY USE LAW ENFORCEMENT TO CONTROL TRAFFIC AT SIGNALIZED INTERSECTIONS AS DIRECTED BY THE ENGINEER. PROVIDE PORTABLE "ROAD WORK AHEAD" (W20-1) SIGNS 500' IN ADVANCE ALONG BOTH APPROACHES FROM THE SIDE STREETS WHEN PAVING PROCEEDS THROUGH THE INTERSECTION.
- 5) LATERAL CLEARANCE AT ALL SIGN LOCATIONS SHALL BE 2' AS MEASURED FROM THE EDGE OF PAVEMENT OR THE FACE OF THE CURB. WHEN UNABLE TO OBTAIN THE LATERAL CLEARANCE WITHIN THE MEDIAN AREA USE SHOULDER MOUNTS ONLY.
- 6) SIGN MOUNT LOCATIONS SHALL NOT BLOCK SIDEWALKS OR DRIVEWAYS.
- 7) IF STATIONARY GENERAL WARNING SIGNS ARE USED, THEY WILL BE PAID FOR PER SECTION 104 OF THE NCDOT STANDARD SPECIFICATIONS AS EXTRA WORK.
- 8) IF MILLED AREAS ARE NOT PAVED BACK BY THE END OF THE WORK DAY, PORTABLE SIGNS SHALL BE USED TO WARN DRIVERS OF THE PRESENT CONDITIONS. THESE ARE TO INCLUDE, BUT NOT LIMITED TO "ROUGH ROAD" W8-8, "UNEVEN LANES" W8-11, "GROOVED PAVEMENT" W8-15 w/MOTORCYCLE PLAQUE MOUNTED BELOW. THESE ARE TO BE DOUBLE INDICATED ON MULTI-LANE ROADWAYS WITH SPEED LIMITS 45 MPH AND GREATER WHERE LATERAL CLEARANCE CAN BE OBTAINED WITHIN THE MEDIAN AREAS. THESE PORTABLE SIGNS ARE INCIDENTAL TO THE OTHER ITEMS OF WORK INCLUDED IN THE TEMPORARY TRAFFIC CONTROL (LUMP SUM) PAY ITEM.

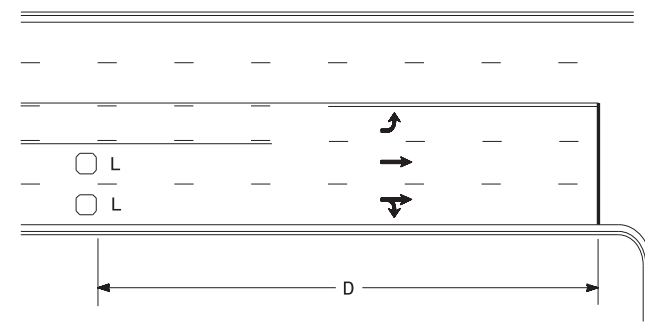
LEGEND	
T	STATIONARY SIGN
➔	DIRECTION OF TRAFFIC FLOW



**RESURFACING ADVANCE
WARNING SIGNS FOR
URBAN / SUBURBAN
FACILITIES**

\$\$\$SYTIME\$\$\$\$\$
 \$\$\$DCON\$\$\$\$\$
 \$\$\$USERNAME\$\$\$\$\$

High Speed Detection (≥40 mph)

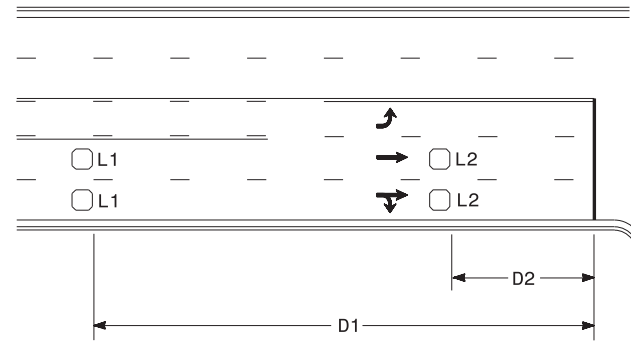


Speed Limit mph	D ft
40	250
45	300
50	355
55	420

L = 6ft X 6ft
Wired separately

Volume Density Operation

OR

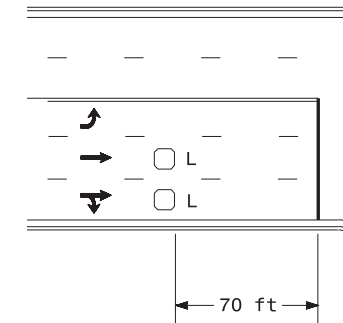


Speed Limit mph	D1 ft	D2 ft
40	250	80
45	300	90
50	355	100
55	420	110

L1 = 6ft X 6ft
Wired in series
L2 = 6ft X 6ft
Wired in series

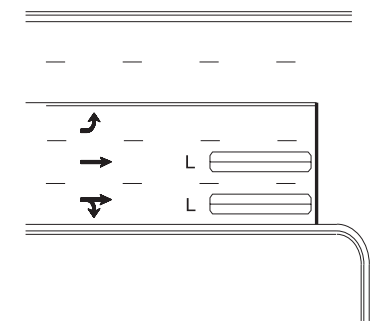
"Stretch" Operation

Low Speed Detection (≤35 mph)



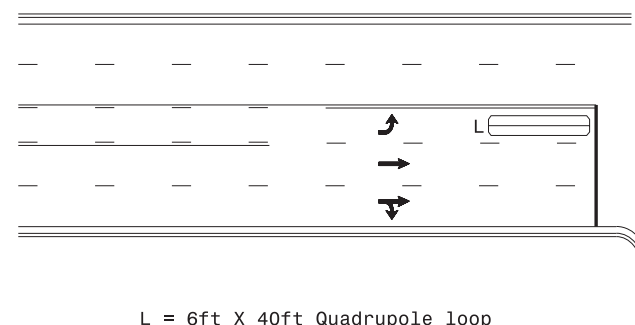
L = 6ft X 6ft
Wired in series

OR



L = 6ft X 40ft
Quadrupole loop, wired separately

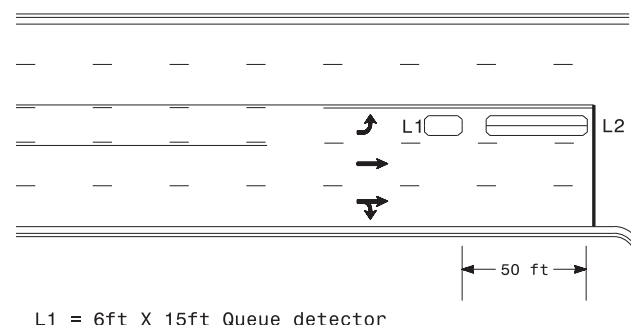
Left Turn Lane Detection



L = 6ft X 40ft Quadrupole loop

Presence Loop Detection

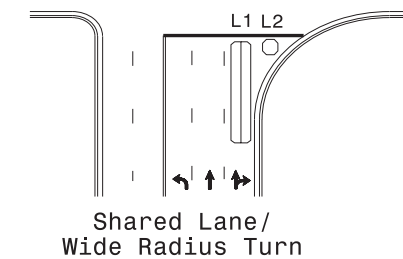
OR



L1 = 6ft X 15ft Queue detector
L2 = 6ft X 40ft Quadrupole loop

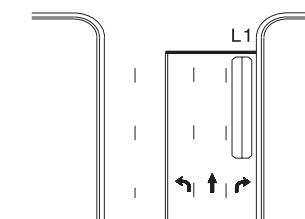
Queue Loop Detection

Right Turn Lane Detection

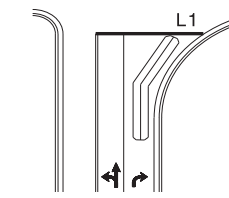


L1 = 6ft X 40ft Quadrupole loop
L2 = 6ft X 6ft [Minimum] Presence loop
Wired separately

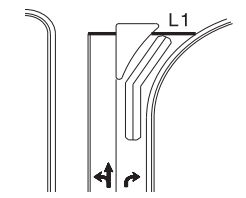
Shared Lane/
Wide Radius Turn



Standard Turn

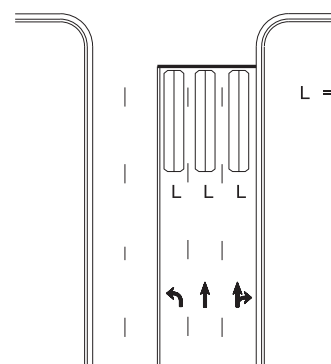


Wide Radius Turn



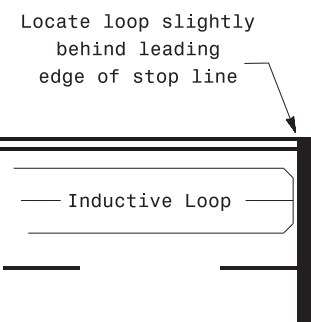
Channelized Turn

Side Street Detection



L = 6ft X 40ft
Quadrupole loop
Wired to separate
detectors/channels

Presence Loop Placement at Stop Lines



Note:
Loop may be located in advance of stop line under any of the following conditions:
1) stop line is greater than 15' from edge of intersecting roadway
2) loop detects a permissive or protected/permissive left turn
3) for an exclusive right turn lane

Recommended Number of Turns

Single 6' X 6' loop
(when wired separately):

Length of Lead-in ft	Number of Turns
< 250	3
250-375	4
375-525	5
> 525	6

Quadrupole loops: Use 2-4-2 turns

6' X 15' Loops:
Lead-in < 150', use 2 turns
Lead-in > 150', use 3 turns

750 N. Greenfield Pkwy, Garner, NC 27529

Prepared In the Offices of:

TRANSPORTATION MOBILITY AND SAFETY DIVISION
STATE OF NORTH CAROLINA
STATE OF TRANSPORTATION
Signal Design Section

SEAL
NORTH CAROLINA
PROFESSIONAL ENGINEER
029904
JASON P. GALLOWAY

Typical Signal Loop Locations	
PLAN DATE: September 2020	REVIEWED BY: JPG
PREPARED BY: PLA	REVIEWED BY:
SCALE: N/A	REVISIONS: INIT. DATE

9/8/2020
DATE
SIG. INVENTORY NO.