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09/08/99

TIP PROJECT: R-5787K

CONTRACT: DG00619

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

ALAMANCE & ORANGE COUNTY

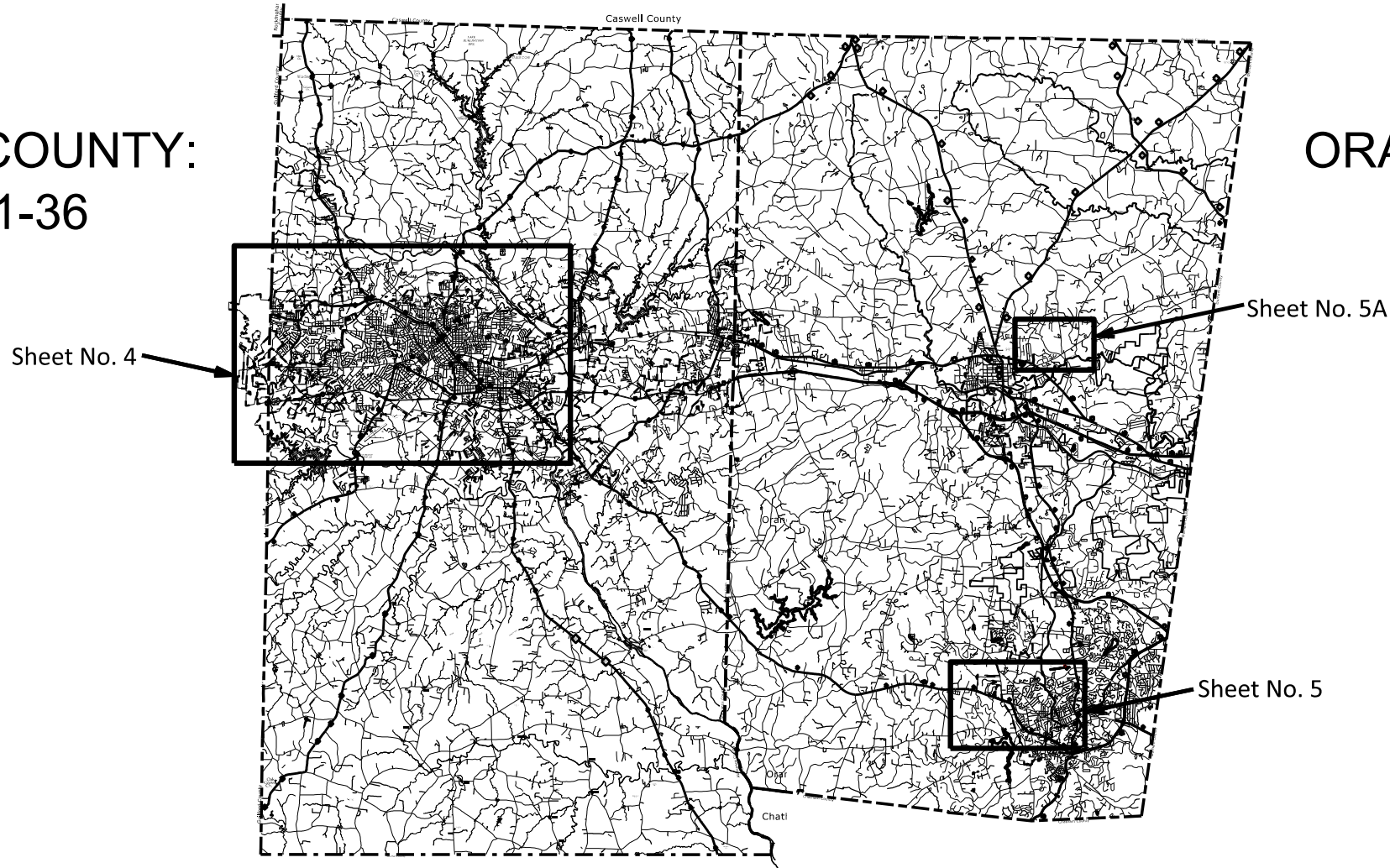
LOCATION: *VARIOUS INTERSECTIONS IN
ALAMANCE AND ORANGE COUNTY*

TYPE OF WORK: *INSTALLATION OF ADA COMPLIANT CURB RAMPS*

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5787K	1	37
STATE PROJ. NO.	F. A. PROJ. NO.	DESCRIPTION	
44917.1.14	4491714	P.E.	
44917.3.12	4491714	CONSTRUCTION	

ALAMANCE COUNTY:
INSETS 1-36

ORANGE COUNTY:
INSETS 1-34



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

GRAPHIC SCALES



DESIGN DATA

PROJECT LENGTH

Prepared in the Office of:

DIVISION 7 DDC UNIT

1584 YANCEYVILLE STREET, GREENSBORO, NC 27405

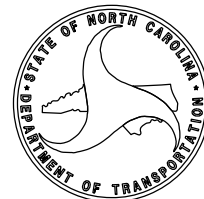
2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:
N/A

JAMES B. YATES, PE
PROJECT ENGINEER

LETTING DATE:
SEPTEMBER 21, 2023

JAMES B. YATES, PE
PROJECT DESIGN ENGINEER



INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS, GENERAL NOTES, AND STANDARD DRAWINGS
2 THRU 2E	RAMP DETAILS
3 THRU 3A	ALAMANCE SUMMARY OF QUANTITIES
3B THRU 3C	ORANGE SUMMARY OF QUANTITIES
4	ALAMANCE VICINITY MAP
4A THRU 4I	ALAMANCE INSETS
5 THRU 5A	ORANGE VICINITY MAP
5B THRU 5J	ORANGE INSETS
EC-1 THRU EC-3	EROSION CONTROL PLANS

GENERAL NOTES: 2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
REVISED:

SUBSURFACE PLANS:

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

CURB RAMPS

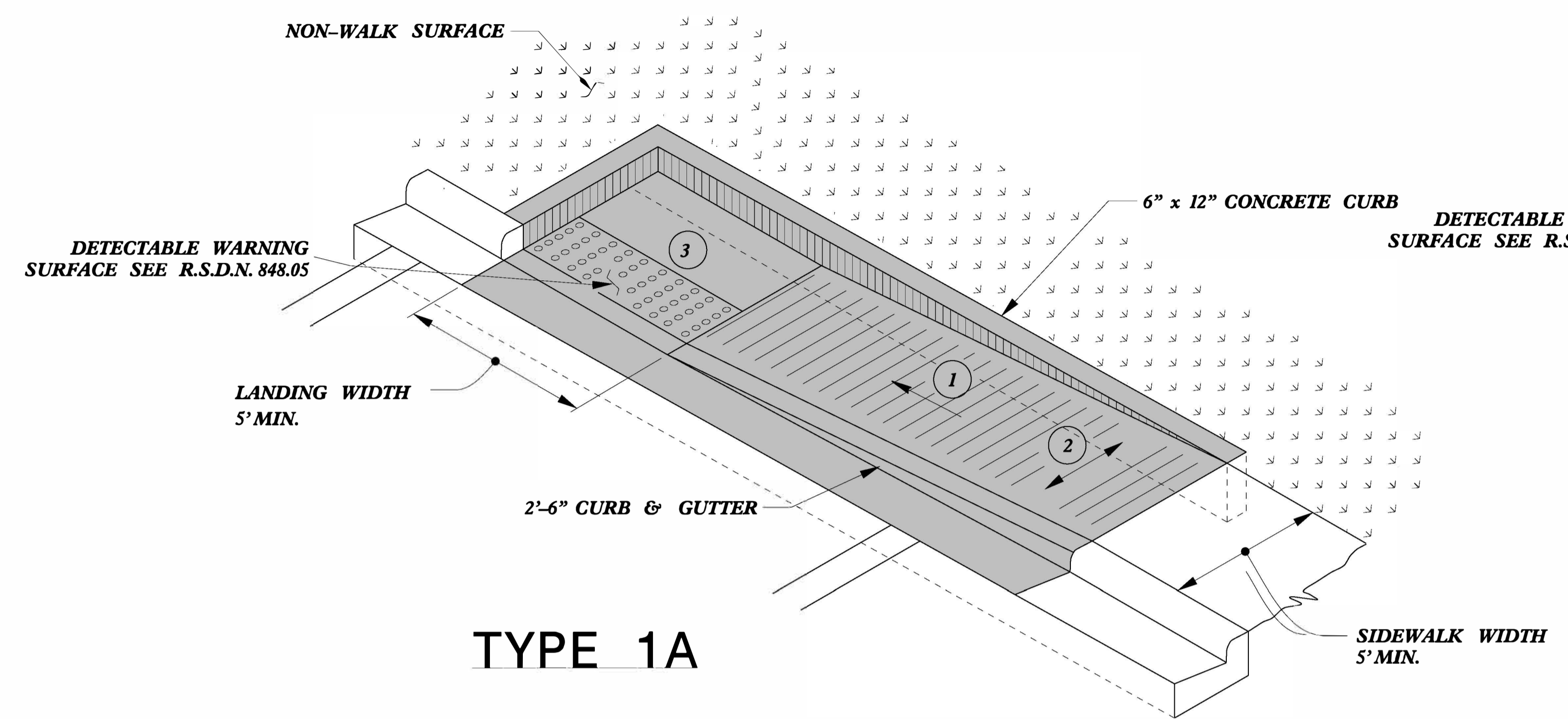
CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS.
CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05 and/or 848.06.

EFF. 01-16-2018
REV.

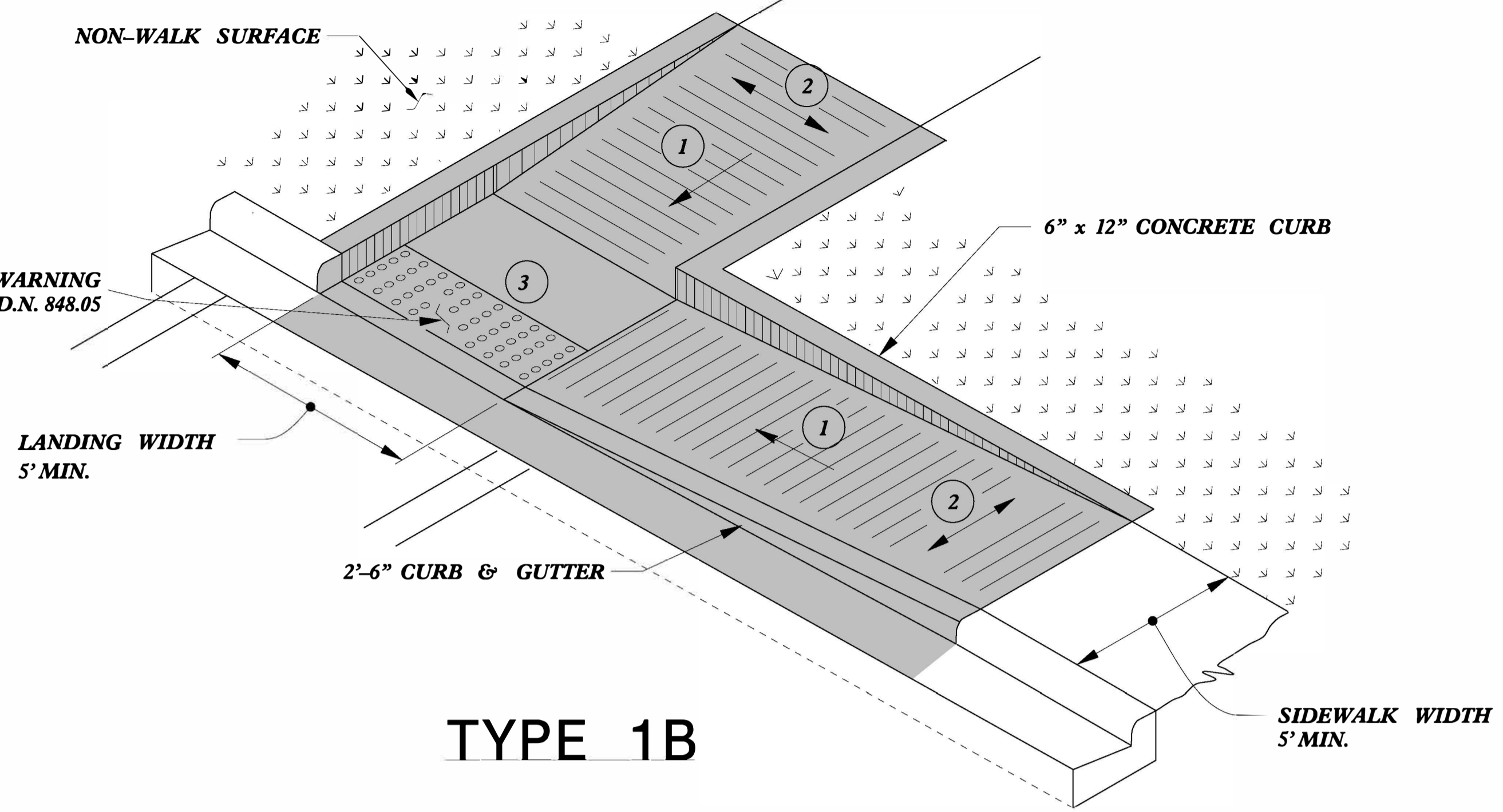
2018 ROADWAY ENGLISH STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2018 are applicable to this project and by reference hereby are considered a part of these plans:

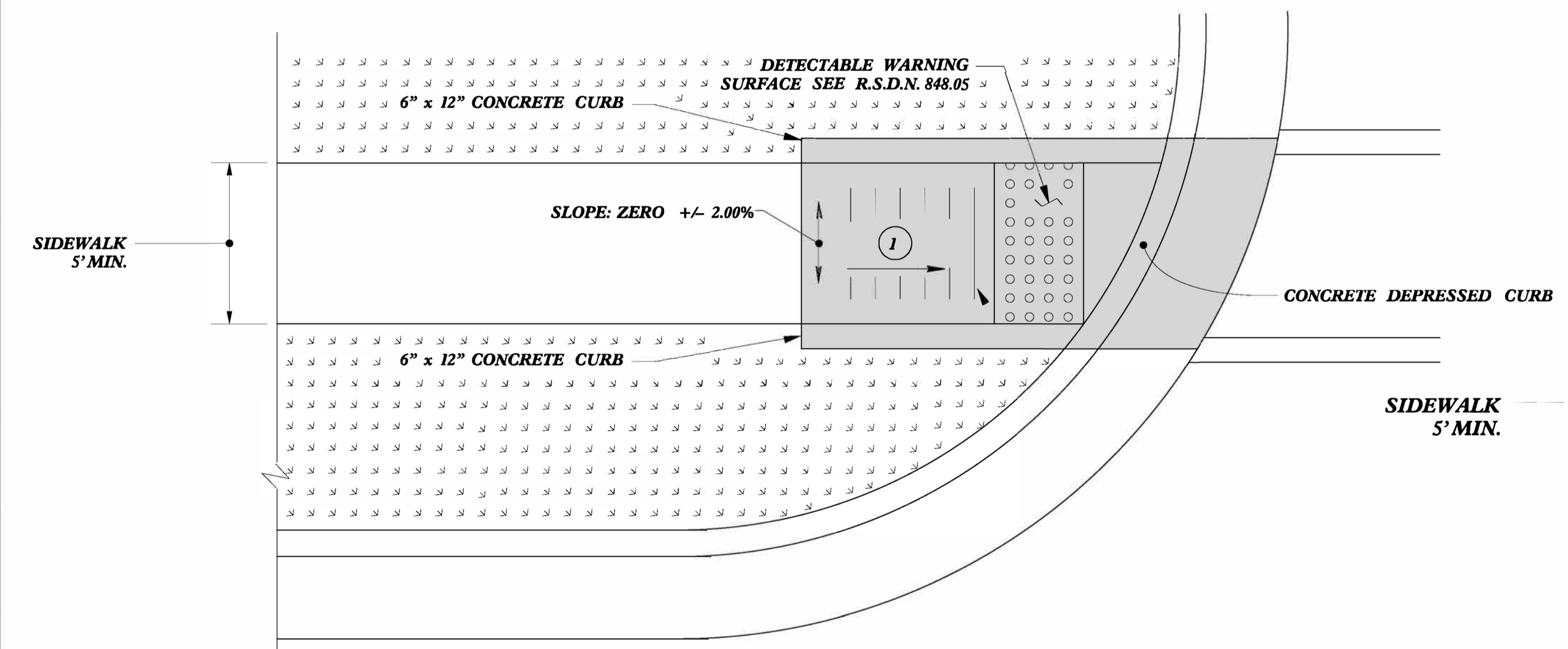
STD.NO.	TITLE
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS	
700.01	Concrete Pavement Joints - Construction and Contraction Joints
DIVISION 8 - INCIDENTALS	
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
848.01	Concrete Sidewalk
848.04	Street Turnout
848.05	Curb Ramp - Proposed Curb & Gutter
848.06	Curb Ramp - Existing Curb & Gutter
852.01	Concrete Islands
852.10	Median Construction - with Curb and Gutter



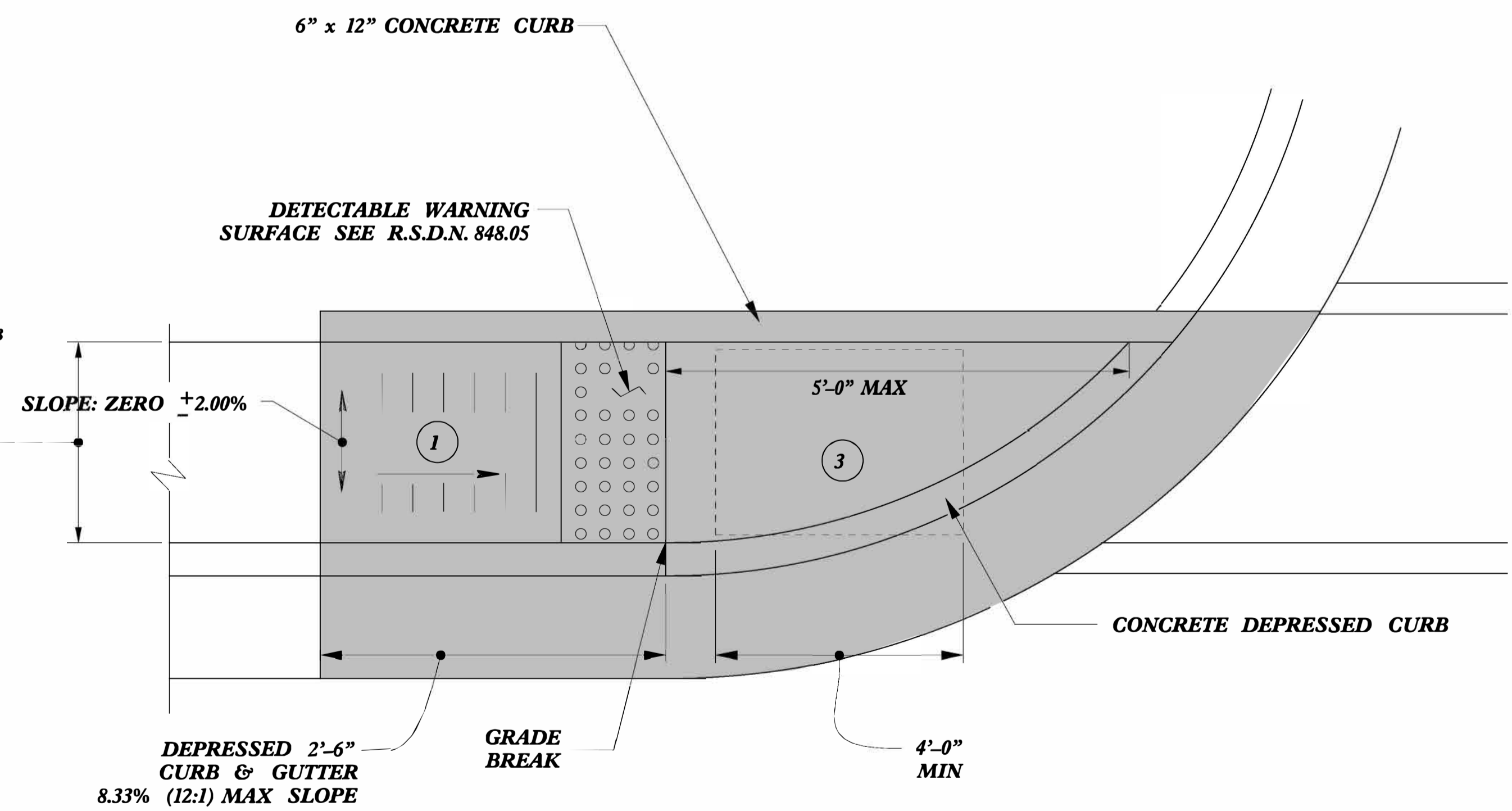
TYPE 1A



TYPE 1B



TYPE 1 Modified



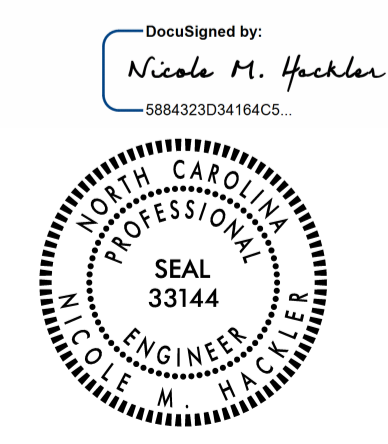
TYPE 1

- 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

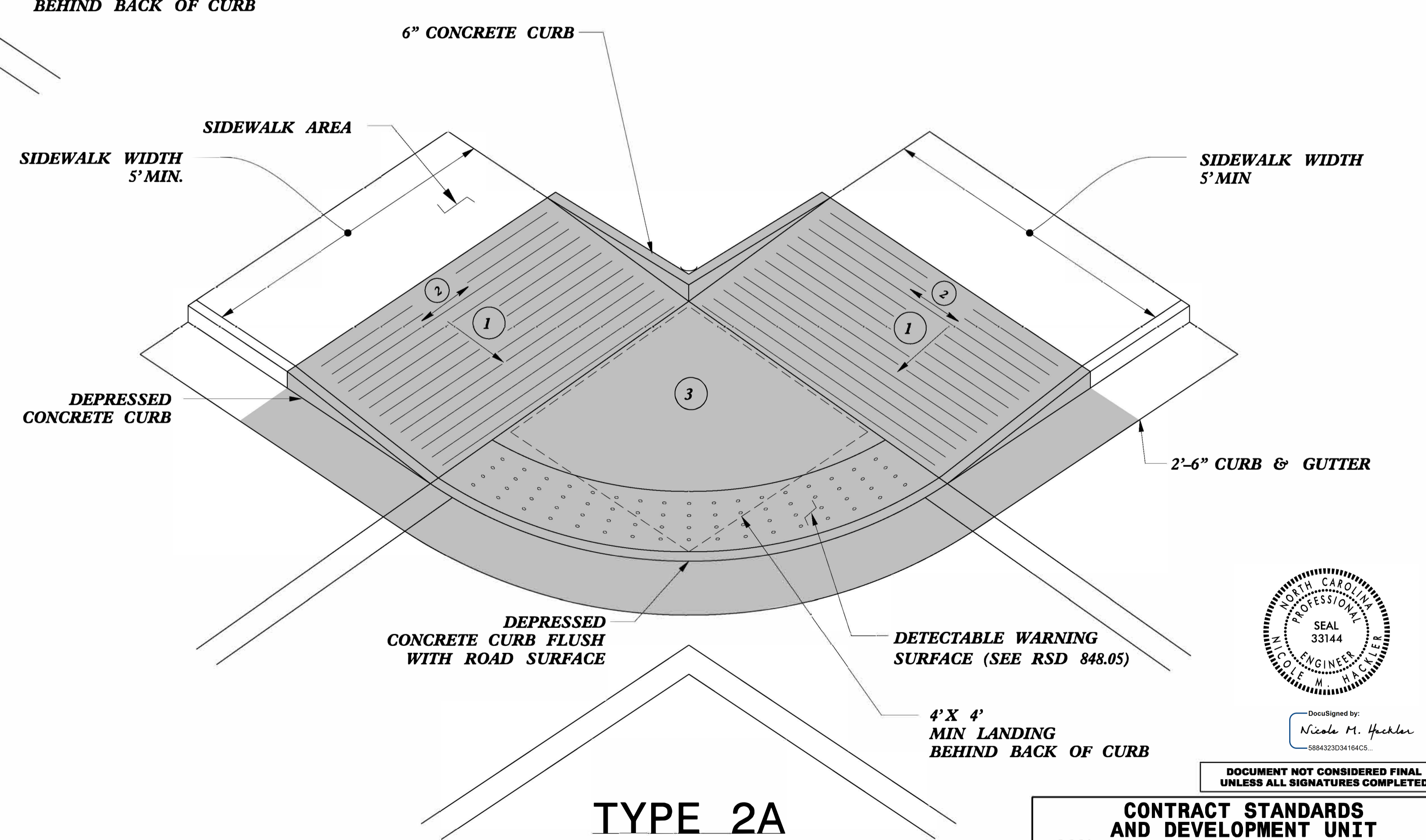
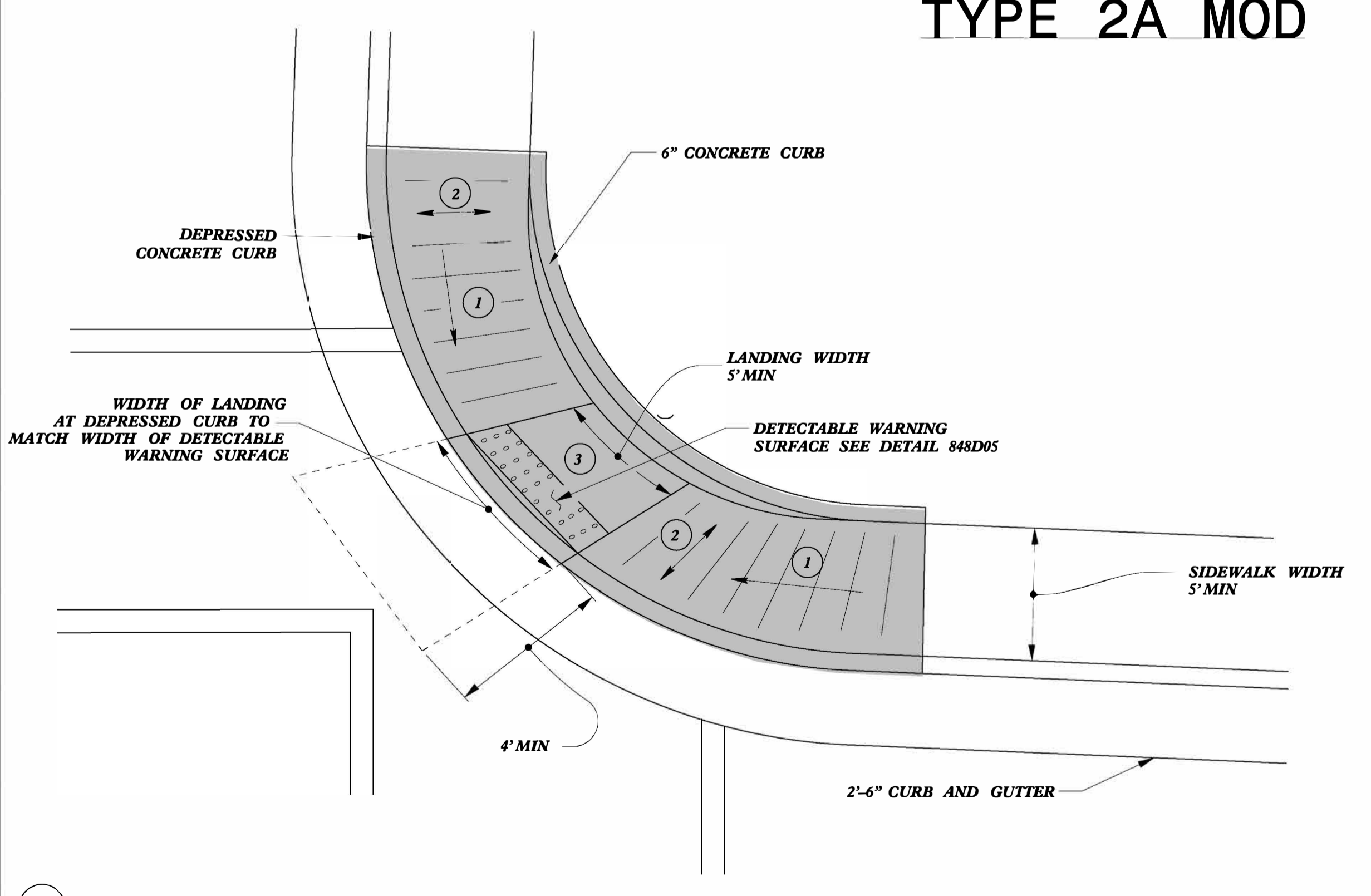
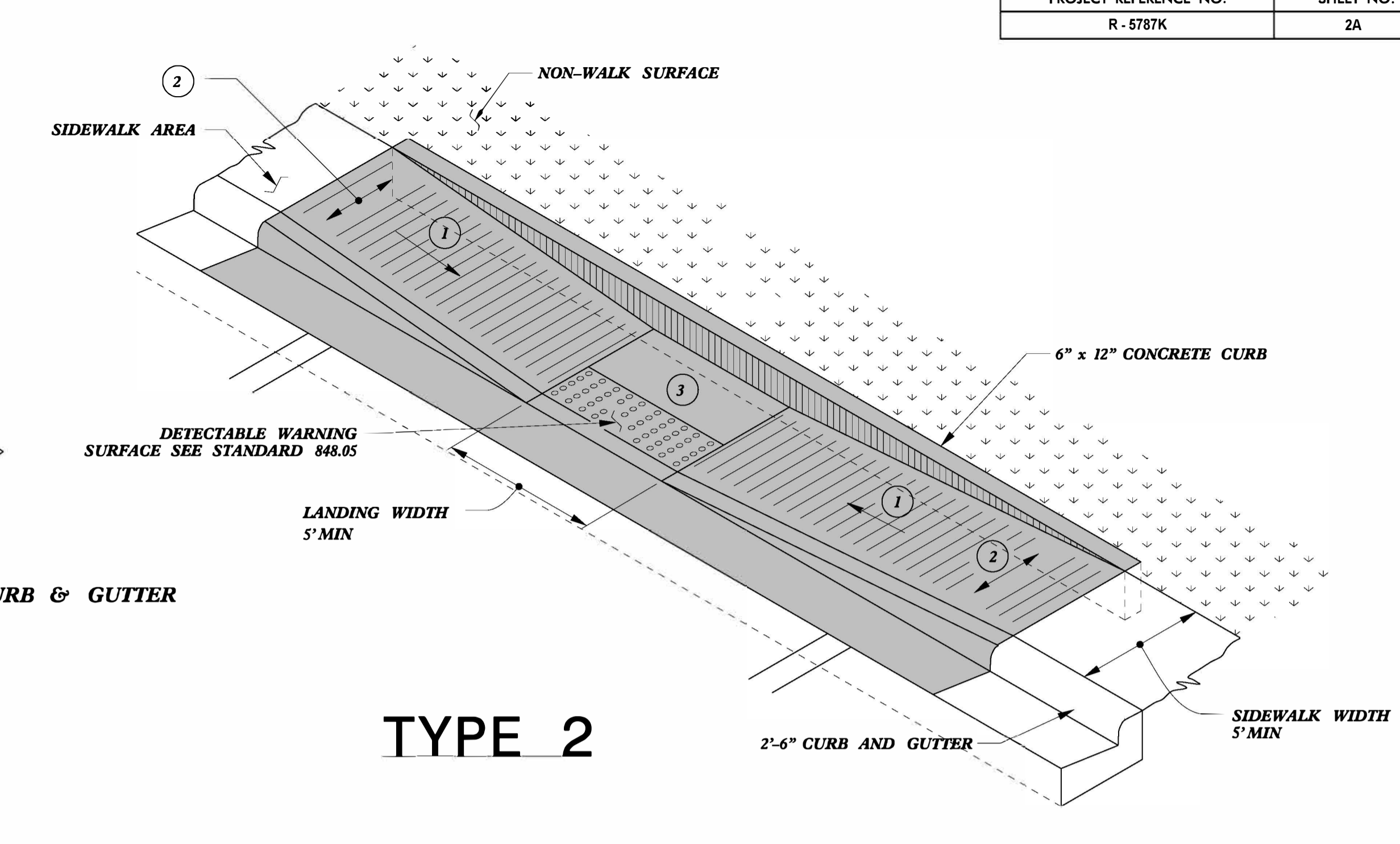
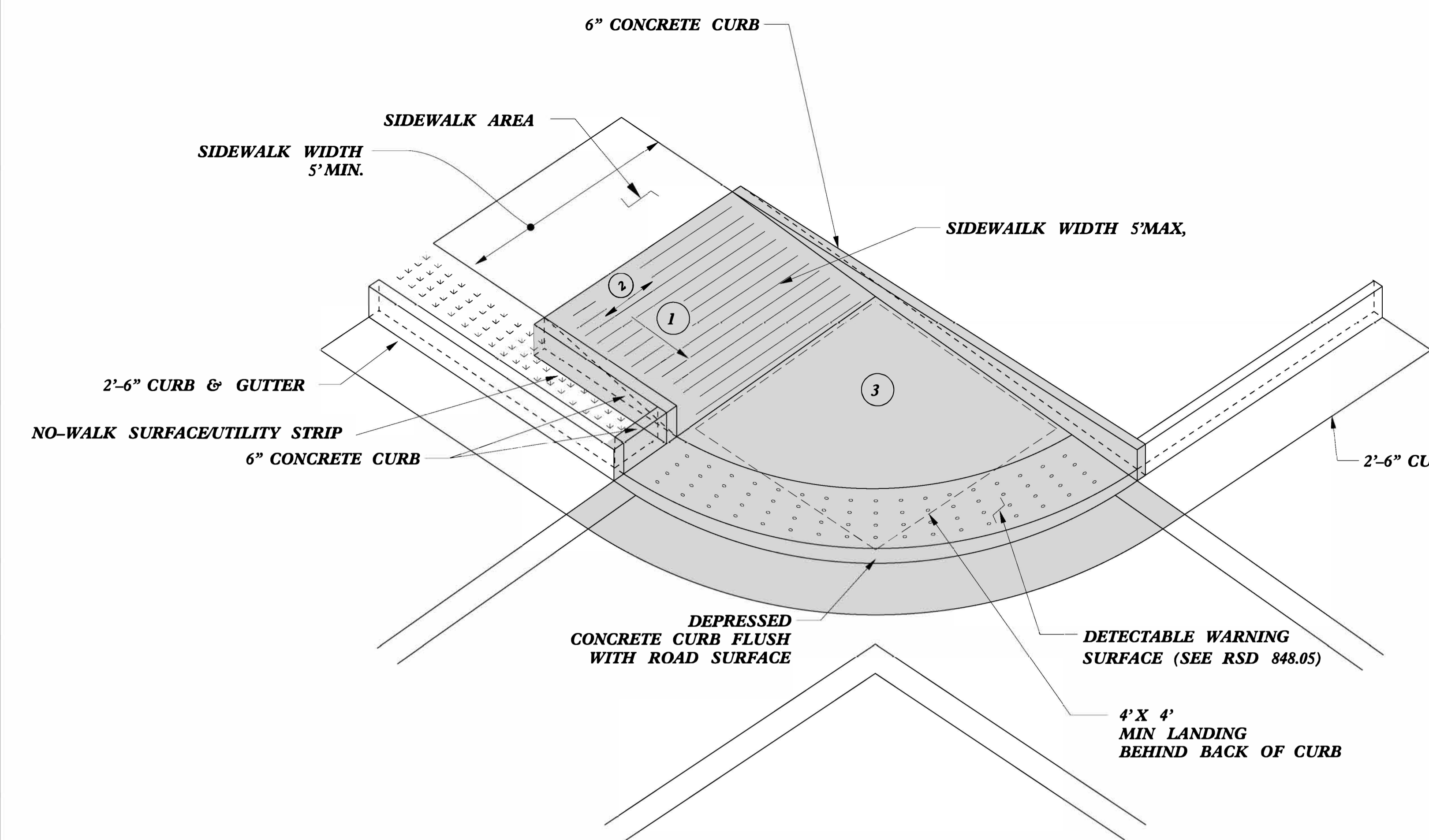


DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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.dgn	

5/14/99
C:\P\2012\STDS\2012CurbRamp\CurbRampDetails.dgn

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

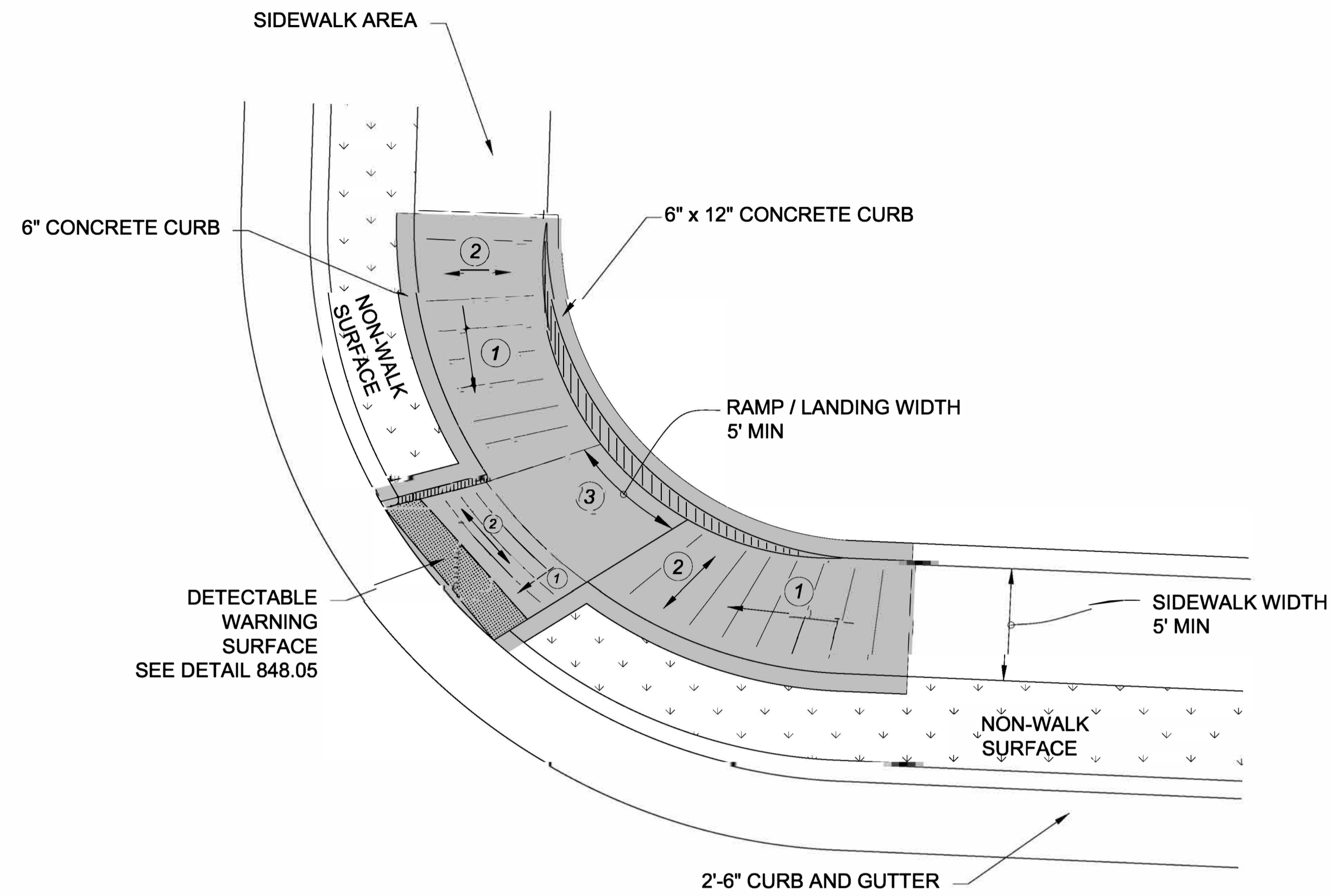


DocuSigned by:
Nicole M. Hecker
588432034164CS

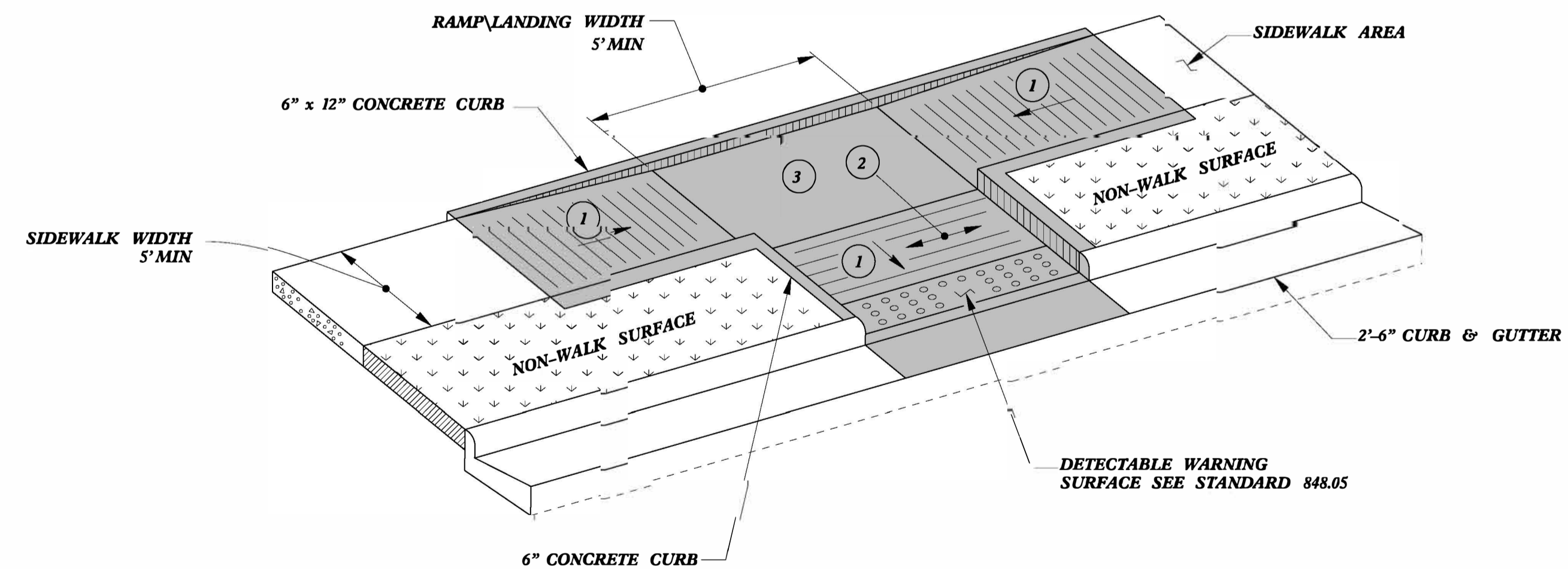
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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	

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.



DocuSigned by:
Nicole M. Hecker
5884323D34164C5

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UNLESS ALL SIGNATURES COMPLETED

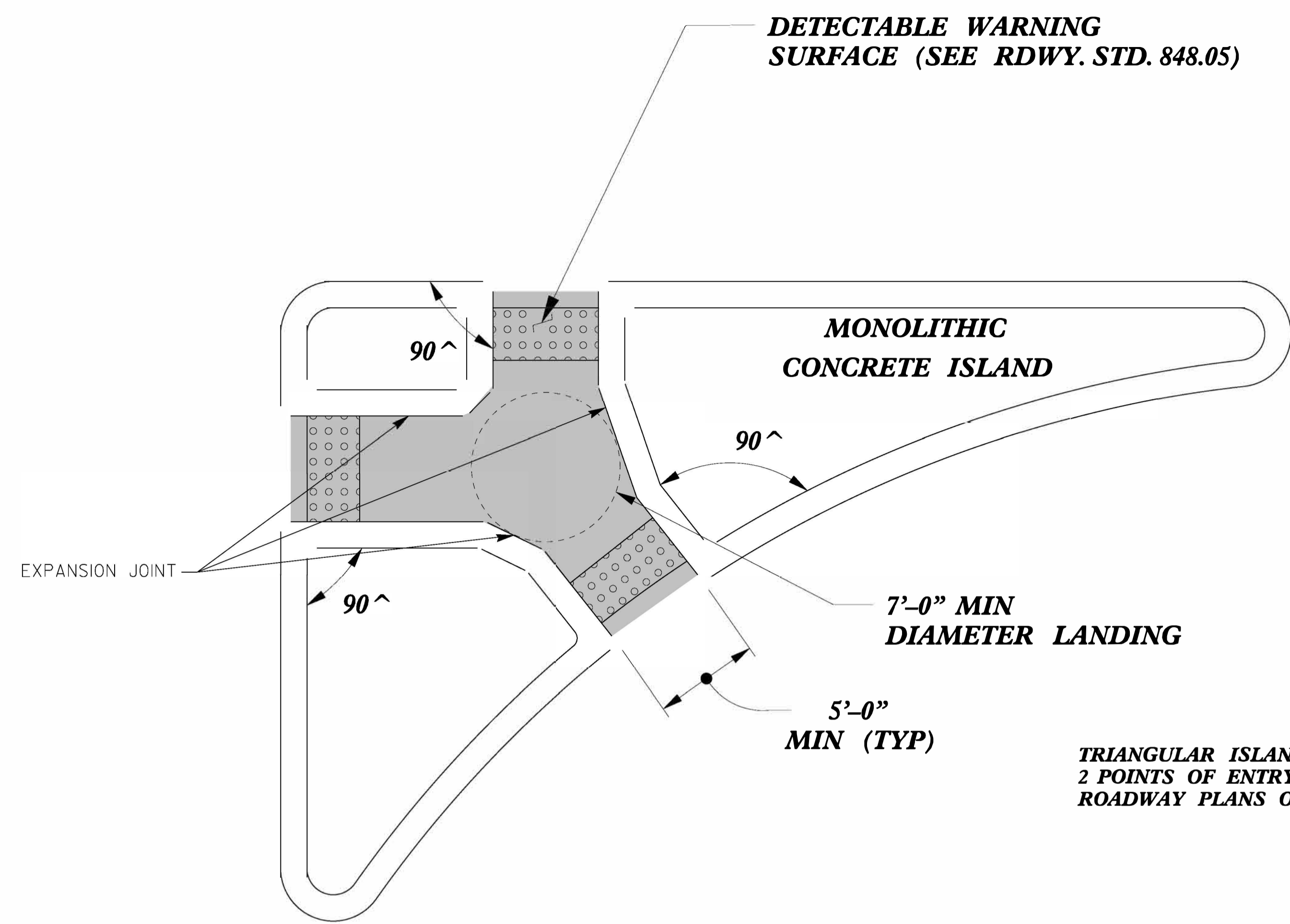
**CONTRACT STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

CURB RAMPS

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

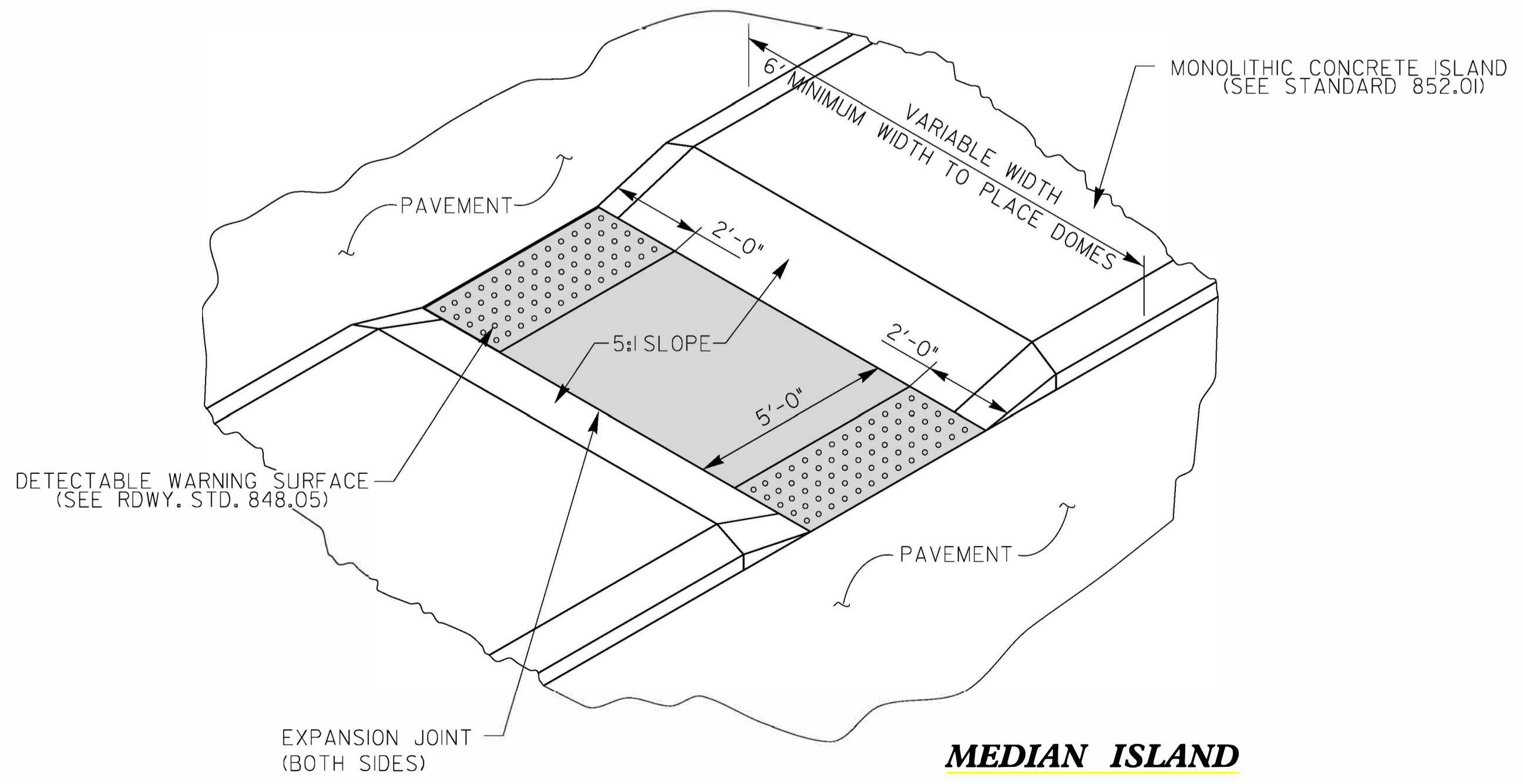
5/14/99
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PAY LIMITS FOR 2 OR 3 CURB RAMPS
(CALCULATE BASED ON NUMBER OF
SETS OF TRUNCATED DOMES)

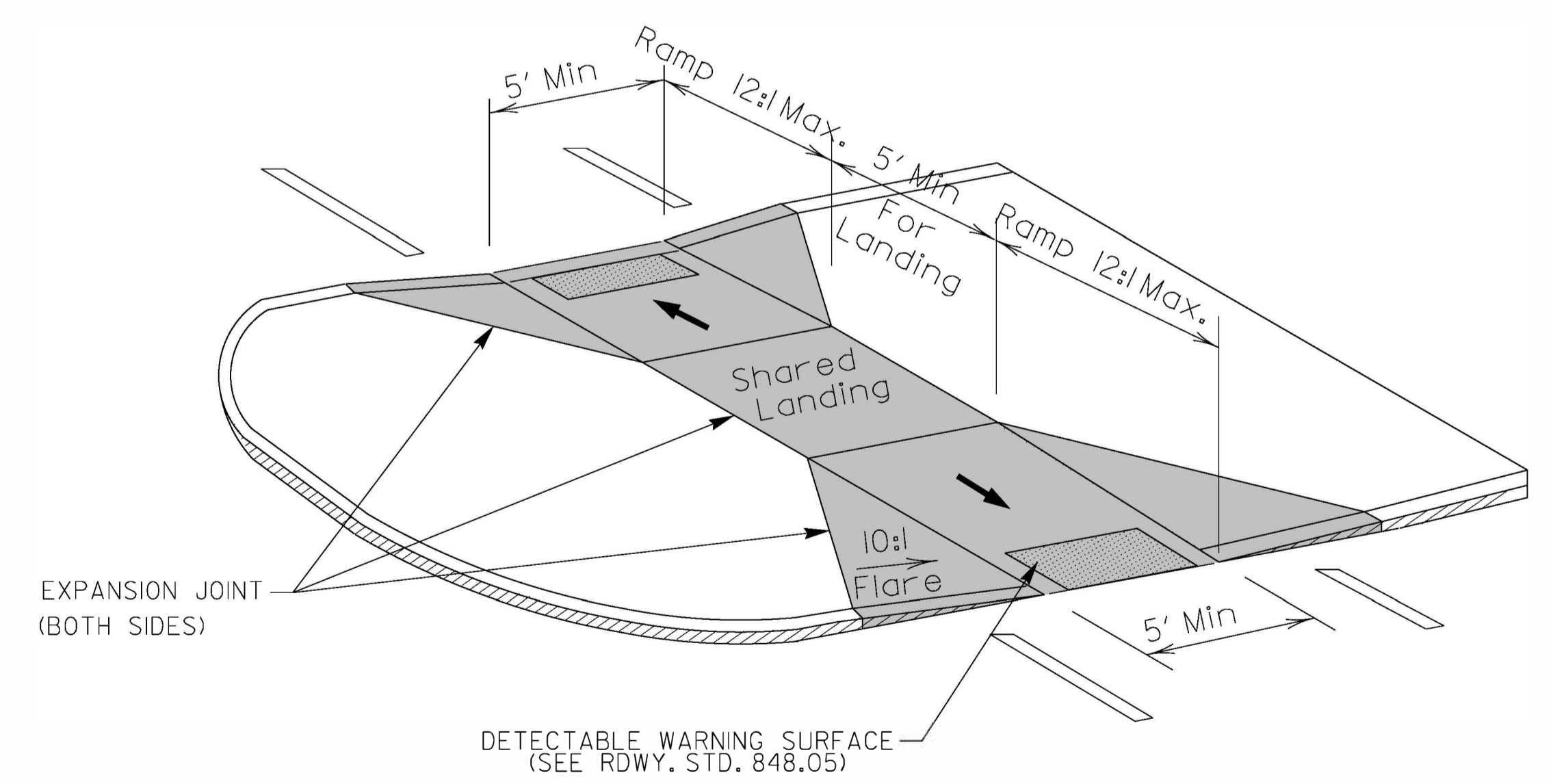


**TRIANGULAR ISLAND
WITH CUT THROUGH
TYPE 6**

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.



**MEDIAN ISLAND
WITH CUT THROUGH
TYPE 7**



**MEDIAN ISLAND
WITH CURB RAMPS
TYPE 8**

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UNLESS ALL SIGNATURES COMPLETED

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

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



DocuSigned by:
Nicole M. Hecker
588432034164CS

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SYTIME
CONS
SUGERNAVE

R-5787K SUMMARY OF QUANTITIES - ALAMANCE COUNTY

Municipality	INTERSECTION NO.	RAMP ID	Description	SHEET NO.	INSET	ASPHALT CONC BASE COURSE, TYPE B25.0C	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	ASPHALT BINDER FOR PLANT MIX	2'-6" CONCRETE CURB AND GUTTER	4" CONCRETE SIDEWALK	RETROFIT EXISTING CURB RAMPS	CONCRETE CURB RAMPS	REMOVE & REPLACE CURB RAMPS	5" MONOLITHIC CONCRETE ISLANDS (KEYED-IN)	REMOVE & DISPOSE CURB RAMPS	REMOVE AND DISPOSE OF EXISTING SIDEWALK	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	PEDESTRIAN TRANSPORT SERVICE	AUDIBLE WARNING DEVICE	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	REMOVAL OF PAVEMENT MARKING LINES (6")	REMOVAL OF PAVEMENT MARKING LINES (24")	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	TYPE	NOTES		
Elon	1300	1300A	SR-1301 (N Williamson Av) & Elon Commons Dr	4A	1	3	58	4	4			1	1			2.78			110	1	265	20					1800	1800	1.5	TYPE 2A	align to 1300B		
Elon	1300	1300B	SR-1301 (N Williamson Av) & Elon Commons Dr	4A	1				4																					TYPE 2	align to 1300A		
Elon	1300	1300C	SR-1301 (N Williamson Av) & Elon Commons Dr	4A	1				12	6.67				1																REMOVAL			
TOTAL FOR INTERSECTION NO. 1300								4	20	6.67		1	1			2.78			110	1	265	20					1800	1800	1.5				
Elon	1333	1333A	SR-1311 (Cook Rd) & Sonoco Dr	4A	2				18	8.34		1		1		8.33								30						TYPE 3 MOD	LOCATE NEW RAMP FROM END OF SIDEWALK BEHIND existing STOP BAR ALIGN WITH RAMP ACROSS STREET Place New Stop Bar		
Elon	1333	1333B	SR-1311 (Cook Rd) & Sonoco Dr	4A	2				18	8.34		1		1		8.33														TYPE 3 MOD	LOCATE CENTERLINE OF NEW RAMP TO ALIGN WITH RAMP ACROSS STREET seed back remaining outside of proposed ramp footprint		
TOTAL FOR INTERSECTION NO. 1333									36	16.68		2		2		16.67																	
Gibsonville	1334	1334A	SR-1311 (Cook Rd) & Candlewood Dr	4A	3				18	7.23			1			10.67								30							TYPE 3 MOD		
Gibsonville	1334	1334B	SR-1311 (Cook Rd) & Candlewood Dr	4A	3				24	11.12			1			17.78															TYPE 3 MOD		
TOTAL FOR INTERSECTION NO. 1334									42	18.35			2			28.44																	
Elon	1329	1329A	SR-1311 (Cook Rd) & SR-1309 (Westbrook Av)	4A	4				6				1																		STD 848.06		
Elon	1329	1329B	SR-1311 (Cook Rd) & SR-1309 (Westbrook Av)	4A	4				6				1																		STD 848.06		
Elon	1329	1329C	SR-1311 (Cook Rd) & SR-1309 (Westbrook Av)	4A	4				6				1																		STD 848.06		
Gibsonville	1329	1329D	SR-1311 (Cook Rd) & SR-1309 (Westbrook Av)	4A	4				14				1																		TYPE 3		
Elon	1329	1329E	SR-1311 (Cook Rd) & SR-1309 (Westbrook Av)	4A	4				12				1																		TYPE 4C		
Elon	1329	1329F	SR-1311 (Cook Rd) & SR-1309 (Westbrook Av)	4A	4									1																	REMOVAL	COMBINED WITH NEW RAMP 1329E	
TOTAL FOR INTERSECTION NO. 1329									44				5			1																	
Burlington	1293	1293A	SR-1226 (University Dr) & Shoppes at Waterford Entrance	4B	5								1																		TYPE 2B		
Burlington	1293	1293B	SR-1226 (University Dr) & Shoppes at Waterford Entrance	4B	5								1																		TYPE 2B		
TOTAL FOR INTERSECTION NO. 1293													2																				
Burlington	1290	1290A	SR-1226 (University Dr) & Dunleigh Dr	4B	6				10				1																		TYPE 3 MOD		
TOTAL FOR INTERSECTION NO. 1290									10				1																				
Burlington	1288	1288A	SR-1226 (University Dr) & Abington Way	4B	7				4				1																		TYPE 3 MOD	Oversized Ramp	
Burlington	1288	1288B	SR-1226 (University Dr) & Abington Way	4B	7				2				1																		TYPE 1 MOD	Oversized Ramp	
TOTAL FOR INTERSECTION NO. 1288									6				2																				
Burlington	1287	1287A	SR-1226 (University Dr) & SR-1300 (Rural Retreat Rd)	4B	8				5				1																		TYPE 1 MOD		
Burlington	1287	1287B	SR-1226 (University Dr) & SR-1300 (Rural Retreat Rd)	4B	8				10					1																	REMOVAL		
Burlington	1287	1287C	SR-1226 (University Dr) & SR-1300 (Rural Retreat Rd)	4B	8				10	8.34			1																		TYPE 3 MOD		
TOTAL FOR INTERSECTION NO. 1287									25	8.34			2			1																	
Burlington	1291	1291A	SR-1226 (University Dr) & Burlington Station Entrance	4C	9				6	2.78			1																		TYPE 1 MOD		
Burlington	1291	1291B	SR-1226 (University Dr) & Burlington Station Entrance	4C	9																										RETROFIT		
Burlington	1291	1291C	SR-1226 (University Dr) & Burlington Station Entrance	4C	9																										RETROFIT		
Burlington	1291	1291D	SR-1226 (University Dr) & Burlington Station Entrance	4C	9				12	2.78			1																		TYPE 1 MOD		
TOTAL FOR INTERSECTION NO. 1291									18	5.56			2																				
Burlington	1292	1292A	SR-1226 (University Dr) & Discount Tire Entrance	4C	10				15				1																		TYPE 1 MOD		
Burlington	1292	1292B	SR-1226 (University Dr) & Discount Tire Entrance	4C	10								1																		TYPE 7		
Burlington	1292	1292C	SR-1226 (University Dr) & Discount Tire Entrance	4C	10								1																		TYPE 7		
Burlington	1292	1292D	SR-1226 (University Dr) & Discount Tire Entrance	4C	10				40				1																		TYPE 3		
TOTAL FOR INTERSECTION NO. 1292									55				4																				
Burlington	1285	1285A	SR-1213 (Grand Oaks Blvd) & Holt Pardue Rd	4C	11				4				1																		TYPE 1A		
Burlington	1285	1285B	SR-1213 (Grand Oaks Blvd) & Holt Pardue Rd	4C	11				4				1																		TYPE 1A		
TOTAL FOR INTERSECTION NO. 1285									8				2																				
Burlington	1284	1284A	SR-1213 (Grand Oaks Blvd) & SR-1146 (Kirkpatrick Rd)	4C	12				6				1																		TYPE 3 MOD		
Burlington	1284	1284B	SR-1213 (Grand Oaks Blvd) & SR-1146 (Kirkpatrick Rd)	4C	12				6	3.34			1																		TYPE 2B		
Burlington	1284	1284C	SR-1213 (Grand Oaks Blvd) & SR-1146 (Kirkpatrick Rd)	4C	12									1																	REMOVAL		
TOTAL FOR INTERSECTION NO. 1284									12	3.34			2			1																	
Burlington	1283	1283A	SR-1213 (Grand Oaks Blvd) & Ardmore St	4D	13				20				1																		TYPE 3 MOD		
Burlington	1283	1283B	SR-1213 (Grand Oaks Blvd) & Ardmore St	4D	13					11.12			1																		TYPE 3 MOD		
Burlington	1283	1283C	SR-1213 (Grand Oaks Blvd) & Ardmore St	4D	13								1																		TYPE 2B		
TOTAL FOR INTERSECTION NO. 1283									20	11.12			3																				
Burlington	1282	1282A	SR-1213 (Grand Oaks Blvd) & Marlborough Rd	4D	14				3	1.67			1																		TYPE 1A	Align Ramp 1282A with Ramp 1282B	
Burlington	1282	1282B	SR-1213 (Grand Oaks Blvd) & Marlborough Rd	4D	14				3				1																		TYPE 1A		
TOTAL FOR INTERSECTION NO. 1282									6	1.67			2																				
Burlington	1281	1281A	SR-1213 (Grand Oaks Blvd) & Winterbell Dr	4D	15					1.12</																							

R-5787K SUMMARY OF QUANTITIES - ALAMANCE COUNTY

Municipality	INTERSECTION NO.	RAMP ID	Description	SHEET NO.	INSET	ASPHALT CONC BASE COURSE, TYPE B25.0C TONS	ASPHALT CONC SURFACE COURSE, TYPE S9.5C TONS	ASPHALT BINDER FOR PLANT MIX TONS	2'-6" CONCRETE CURB AND GUTTER LF	4" CONCRETE SIDEWALK SY	RETROFIT EXISTING CURB RAMPS	CONCRETE CURB RAMPS EA	REMOVE & REPLACE CURB RAMPS EA	5" MONOLITHIC CONCRETE ISLANDS (KEYED-IN) SY	REMOVE & DISPOSE CURB RAMPS EA	REMOVE AND DISPOSE OF EXISTING SIDEWALK SY	ADJUSTMENT OF MANHOLES EA	ADJUSTMENT OF METER BOXES OR VALVE BOXES EA	PEDESTRIAN CHANNELIZING DEVICES LF	TEMPORARY TRAFFIC CONTROL LS	PEDESTRIAN TRANSPORT SERVICE EA	AUDIBLE WARNING DEVICE EA	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS) LF	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS) LF	REMOVAL OF PAVEMENT MARKING LINES (6") LF	REMOVAL OF PAVEMENT MARKING LINES (24") LF	TEMPORARY SILT FENCE LF	WATTLE LF	SEEDING & MULCHING ACR	TYPE	NOTES	
Burlington	1276	1276A	SR-1158 (Huffman Mill Rd) & Sears Auto Entrance	4E	19								1			2.78															TYPE 1A	
Burlington	1276	1276B	SR-1158 (Huffman Mill Rd) & Sears Auto Entrance	4E	19								1			2.78														TYPE 1A		
TOTAL FOR INTERSECTION NO. 1276													2			5.56																
Burlington	1149	1149A	NC-62 (Rauhut St) & Sharpe Rd	4E	20					3.34			1			1.78														STD 848.06		
TOTAL FOR INTERSECTION NO. 1149										3.34			1			1.78																
Burlington	1146	1146A	NC-62 (Rauhut St) & Key St	4F	21				6				1																	TYPE 2B		
Burlington	1146	1146B	NC-62 (Rauhut St) & Key St	4F	21				6				1																	TYPE 2B		
Burlington	1146	1146C	NC-62 (Rauhut St) & Key St	4F	21				6				1																	TYPE 2B		
Burlington	1146	1146D	NC-62 (Rauhut St) & Key St	4F	21				12				1																	TYPE 2B		
TOTAL FOR INTERSECTION NO. 1146									30				4																			
Burlington	1138	1138A	NC-62 (Rauhut St) & Union Av	4F	22								1																	TYPE 2B		
Burlington	1138	1138B	NC-62 (Rauhut St) & Union Av	4F	22								1																	TYPE 1A		
TOTAL FOR INTERSECTION NO. 1138													2																			
Burlington	1189	1189A	US-70 (N Fisher St) & NC-62 (Rauhut St)	4F	23								1																	TYPE 3 MOD		
Burlington	1189	1189B	US-70 (N Fisher St) & NC-62 (Rauhut St)	4F	23				14						1															REMOVAL		
Burlington	1189	1189C	US-70 (N Fisher St) & NC-62 (Rauhut St)	4F	23				12	5.56					1															REMOVAL		
Burlington	1189	1189D	US-70 (N Fisher St) & NC-62 (Rauhut St)	4F	23				6				1				2													TYPE 2B		
Burlington	1189	1189E	US-70 (N Fisher St) & NC-62 (Rauhut St)	4F	23				12				1																	TYPE 3		
TOTAL FOR INTERSECTION NO. 1189									44	5.56			3		2		2															
Burlington	1381	1381B	SR-1700 (Apple St) & Jeffries St	4F	24								1																	TYPE 2B		
TOTAL FOR INTERSECTION NO. 1381													1																			
Burlington	1382	1382A	SR-1700 (Apple St) & Rosenwald St	4G	25				10				1																	TYPE 3 MOD		
Burlington	1382	1382B	SR-1700 (Apple St) & Rosenwald St	4G	25							1										76			76					TYPE 2	Remove Exist. Crosswalk align New Crosswalk and Ramp with Ramp 1382A so as to avoid power pole and hydrant conflict	
Burlington	1382	1382C	SR-1700 (Apple St) & Rosenwald St	4G	25				12				1																	TYPE 1 MOD		
TOTAL FOR INTERSECTION NO. 1382									22			1	2										76		76							
Burlington	1383	1383A	SR-1700 (Apple St) & N Ireland St	4G	26								1																	TYPE 1		
Burlington	1383	1383B	SR-1700 (Apple St) & N Ireland St	4G	26								1																	TYPE 1		
Burlington	1383	1383C	SR-1700 (Apple St) & N Ireland St	4G	26								1																	TYPE 1		
TOTAL FOR INTERSECTION NO. 1383													3																			
Burlington	1384	1384A	SR-1700 (Apple St) & Richmond Av	4G	27				10				1																	TYPE 3 MOD		
Burlington	1384	1384B	SR-1700 (Apple St) & Richmond Av	4G	27							1																		TYPE 2		
Burlington	1384	1384C	SR-1700 (Apple St) & Richmond Av	4G	27								1																	TYPE 1	Align with NEW Ramp 1384C Center Ramp on centerline of MH AND ALIGN to Ramp 1384B	
TOTAL FOR INTERSECTION NO. 1384									10			1	2																			
Burlington	1385	1385A	SR-1700 (Apple St) & Lee St	4G	28								1																	TYPE 1		
TOTAL FOR INTERSECTION NO. 1385													1																			
Burlington	1386	1386A	SR-1700 (Apple St) & Ross St	4H	29				5				1																	TYPE 1 MOD		
Burlington	1386	1386B	SR-1700 (Apple St) & Ross St	4H	29				5				1																	TYPE 2B		
TOTAL FOR INTERSECTION NO. 1386									10				2																			
Burlington	1387	1387A	SR-1700 (Apple St) & Montclair Dr	4H	30				12				1																	TYPE 1 MOD		
Burlington	1387	1387B	SR-1700 (Apple St) & Montclair Dr	4H	30				12				1																	TYPE 1 MOD		
TOTAL FOR INTERSECTION NO. 1387									24				2																			
Burlington	1388	1388A	SR-1700 (Apple St) & Hampton Ct	4H	31				10				1																	TYPE 1 MOD		
TOTAL FOR INTERSECTION NO. 1388									10				1																			
Burlington	1395	1395A	SR-1716 (N Graham Hopedale Rd) & Morningside Dr	4H	32				4				1																	TYPE 1		
Burlington	1395	1395B	SR-1716 (N Graham Hopedale Rd) & Morningside Dr	4H	32				4				1																	TYPE 2B		
TOTAL FOR INTERSECTION NO. 1395									8				2																			
Burlington	1394	1394A	SR-1716 (N Graham Hopedale Rd) & Holland Av	4I	33				5				1																	TYPE 1 MOD		
Burlington	1394	1394B	SR-1716 (N Graham Hopedale Rd) & Holland Av	4I	33				10				1																	TYPE 1 MOD		
TOTAL FOR INTERSECTION NO. 1394									15				2																			
Burlington	1393	1393A	SR-1716 (N Graham Hopedale Rd) & Mckinney St	4I	34					3.34			1																	TYPE 2A		
Burlington	1393	1393B	SR-1716 (N Graham Hopedale Rd) & Mckinney St	4I	34								1																	TYPE 2B		
Burlington	1393	1393C	SR-1716 (N Graham Hopedale Rd) & Mckinney St	4I	34								1																	TYPE 2A		
Burlington	1393	1393D	SR-1716 (N Graham Hopedale Rd) & Mckinney St	4I	34				2	1.12			1																	TYPE 2		
Burlington	1393	1393E	SR-1716 (N Graham Hopedale Rd) & Mckinney St	4I	34								1																	TYPE 1 MOD		
Burlington	1393	1393F	SR-1716 (N Graham Hopedale Rd) & Mckinney St	4I	34								1																	TYPE 1 MOD		
TOTAL FOR INTERSECTION NO. 1393									4	4.46			6																			
Burlington	1392	1392A	SR-1716 (N Graham Hopedale Rd) & Vaughn Rd	4I	35				6				1																			

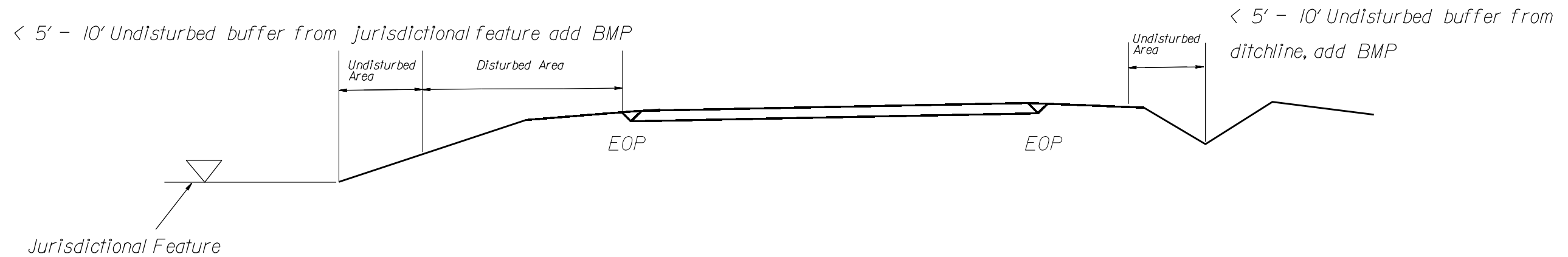
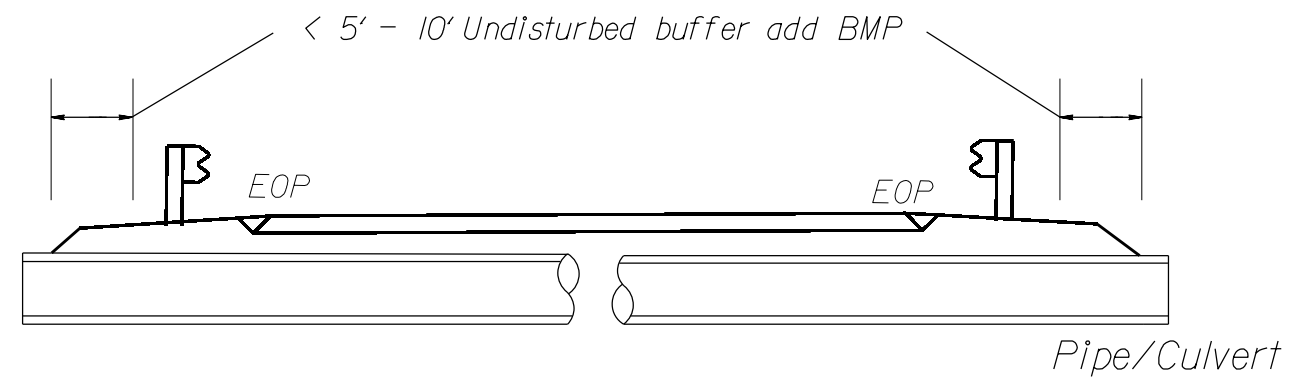
R-5787K SUMMARY OF QUANTITIES - ORANGE COUNTY

Municipality	INTERSECTION NO.	RAMP ID	Intersection	SHEET NO.	INSET	ASPHALT CONC BASE COURSE, TYPE B25.0C	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	ASPHALT BINDER FOR PLANT MIX	2'-6" CONCRETE CURB AND GUTTER REPAIR	4" CONCRETE SIDEWALK	RETROFIT EXISTING CURB RAMPS	CONCRETE CURB RAMPS	REMOVE & REPLACE CURB RAMPS	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	REMOVE & DISPOSE CURB RAMPS	REMOVE AND DISPOSE OF EXISTING SIDEWALK	ADJUSTMENT OF MANHOLES	ADJUSTMENT OF METER BOXES OR VALVE BOXES	PEDESTRIAN CHANNELIZING DEVICES	TEMPORARY TRAFFIC CONTROL	PEDESTRIAN TRANSPORT SERVICE	AUDIBLE WARNING DEVICE	THERMOPLASTIC PAVEMENT MARKING LINES (6" - 90 MILS)	THERMOPLASTIC PAVEMENT MARKING LINES (24" - 90 MILS)	REMOVAL OF PAVEMENT MARKING LINES (6")	REMOVAL OF PAVEMENT MARKING LINES (24")	TEMPORARY SILT FENCE	WATTLE	SEEDING & MULCHING	TYPE	NOTES		
Carrboro	2677	2677A	SR-1937 (Old Fayetteville Rd) & Rose Walk Ln	5F	18				5			1																				TYPE 3 MOD	
Carrboro	2677	2677B	SR-1937 (Old Fayetteville Rd) & Rose Walk Ln	5F	18							1																				TYPE 4A	
Carrboro	2677	2677C	SR-1937 (Old Fayetteville Rd) & Rose Walk Ln	5F	18				10			1			2.78																	TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2677									15			3			2.78																		
Carrboro	2678	2678A	SR-1937 (Old Fayetteville Rd) & Rose Walk Ln	5F	19				5			1																				TYPE 3	
Carrboro	2678	2678B	SR-1937 (Old Fayetteville Rd) & Rose Walk Ln	5F	19							1																				TYPE 2B	
Carrboro	2678	2678C	SR-1937 (Old Fayetteville Rd) & Rose Walk Ln	5F	19				10			1																				TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2678									15			3																					
Carrboro	2515	2515A	SR-1010 (W Main St) & Simpson St	5F	20				10			1																				TYPE 3 MOD	
Carrboro	2515	2515B	SR-1010 (W Main St) & Simpson St	5F	20				10			1																				STD 848.06	
TOTAL FOR INTERSECTION NO. 2515									20			2																					
Carrboro	2516	2516A	SR-1010 (W Main St) & Pine Hill Dr	5G	21				5			1																				STD 848.06	
Carrboro	2516	2516B	SR-1010 (W Main St) & Pine Hill Dr	5G	21				5			1																				STD 848.06	
TOTAL FOR INTERSECTION NO. 2516									10			2																					
Carrboro	2517	2517A	SR-1010 (W Main St) & Westview Dr	5G	22				5	2.78		1				2.78																TYPE 1 MOD	
Carrboro	2517	2517B	SR-1010 (W Main St) & Westview Dr	5G	22				5	2.78		1				2.78																TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2517									10	5.56		2			5.56																		
Carrboro	2518	2518A	SR-1010 (W Main St) & Westview Dr	5G	23				5	2.78		1				2.78																TYPE 1 MOD	
Carrboro	2518	2518B	SR-1010 (W Main St) & Westview Dr	5G	23				5	2.78		1				2.78																TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2518									10	5.56		2			5.56																		
Carrboro	2519	2519A	SR-1010 (W Main St) & High St	5G	24				5			1																				STD 848.06	
Carrboro	2519	2519B	SR-1010 (W Main St) & High St	5G	24				5			1																				STD 848.06	
TOTAL FOR INTERSECTION NO. 2519									10			2																					
Carrboro	2477	2477A	SR-1005 (Jones Ferry Rd) & Crescent Green Entrance	5H	25				5	2.78		1			2.78																	TYPE 1 MOD	
Carrboro	2477	2477B	SR-1005 (Jones Ferry Rd) & Crescent Green Entrance	5H	25				10	5.56		1			5.56																	TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2477									15	8.34		2			8.34																		
Carrboro	2478	2478A	SR-1005 (Jones Ferry Rd) & Willow Creek Professional Center	5H	26				5	5.56		1			5.56																	TYPE 1 MOD	
Carrboro	2478	2478B	SR-1005 (Jones Ferry Rd) & Willow Creek Professional Center	5H	26				5	5.56		1			5.56																	TYPE 3 MOD	
TOTAL FOR INTERSECTION NO. 2478									5	11.12		2			11.12																		
Carrboro	2480	2480A	SR-1005 (Jones Ferry Rd) & Burger King Entrance	5H	27				5	5.56		1			5.56																	TYPE 1	
Carrboro	2480	2480B	SR-1005 (Jones Ferry Rd) & Burger King Entrance	5H	27				5	2.78		1			2.78																	TYPE 1	
TOTAL FOR INTERSECTION NO. 2480									10	8.34		2			8.34																		
Outside Municipality	2706	2706A	SR-2317 (E Hatterleigh Ave) & SR-2322 (Beddington Ct)	5H	28				5			1																				TYPE 3 MOD	
Outside Municipality	2706	2706B	SR-2317 (E Hatterleigh Ave) & SR-2322 (Beddington Ct)	5H	28				5			1																				TYPE 1 MOD	
Outside Municipality	2706	2706C	SR-2317 (E Hatterleigh Ave) & SR-2322 (Beddington Ct)	5H	28				10			1			5.56																	TYPE 1 MOD	
Outside Municipality	2706	2706D	SR-2317 (E Hatterleigh Ave) & SR-2322 (Beddington Ct)	5H	28				25			1			13.89																	TYPE 3	Shift for better alignment with A
TOTAL FOR INTERSECTION NO. 2706									45			3			19.45																		
Outside Municipality	2707	2707A	SR-2317 (E Hatterleigh Ave) & SR-2321 (Wisborough Ct)	5I	29				5			1			5.56																	TYPE 1 MOD	
Outside Municipality	2707	2707B	SR-2317 (E Hatterleigh Ave) & SR-2321 (Wisborough Ct)	5I	29				10			1			8.33																	TYPE 1 MOD	
Outside Municipality	2707	2707C	SR-2317 (E Hatterleigh Ave) & SR-2321 (Wisborough Ct)	5I	29				5			1																				TYPE 3 MOD	
TOTAL FOR INTERSECTION NO. 2707									20			3			13.89																		
Outside Municipality	2708	2708A	SR-2323 (W Hatterleigh Ave) & SR-2325 (Coach House Ln)	5I	30				10			1			8.33																	TYPE 1 MOD	
Outside Municipality	2708	2708B	SR-2323 (W Hatterleigh Ave) & SR-2325 (Coach House Ln)	5I	30				10			1																				TYPE 3 MOD	
TOTAL FOR INTERSECTION NO. 2708									20			2			8.33																		
Outside Municipality	2709	2709A	SR-2323 (W Hatterleigh Ave) & SR-2324 (Hopesworth Ct)	5I	31				10			1			5.56																	TYPE 1 MOD	
Outside Municipality	2709	2709B	SR-2323 (W Hatterleigh Ave) & SR-2324 (Hopesworth Ct)	5I	31				5			1																				TYPE 3 MOD	
Outside Municipality	2709	2709C	SR-2323 (W Hatterleigh Ave) & SR-2324 (Hopesworth Ct)	5I	31				5			1																				TYPE 1 MOD	
Outside Municipality	2709	2709D	SR-2323 (W Hatterleigh Ave) & SR-2324 (Hopesworth Ct)	5I	31						1				11.11																	TYPE 3	
TOTAL FOR INTERSECTION NO. 2709									20			3			16.67																		
Outside Municipality	2407	2407A	SR-2317 (E Hatterleigh Ave) & SR-2316 (Berryman Blvd)	5I	32				5			1																				TYPE 3	
Outside Municipality	2407	2407B	SR-2317 (E Hatterleigh Ave) & SR-2316 (Berryman Blvd)	5I	32				5	5.56		1			5.56																	TYPE 1 MOD	
TOTAL FOR INTERSECTION NO. 2407									10	5.56		2			5.56																		
Outside Municipality	2703	2703A	SR-2317 (E Hatterleigh Ave) & SR-2318 (Enstone Ct)	5J	33				5			1			5.56																	TYPE 1 MOD	
Outside Municipality	2703	2703B	SR-2317 (

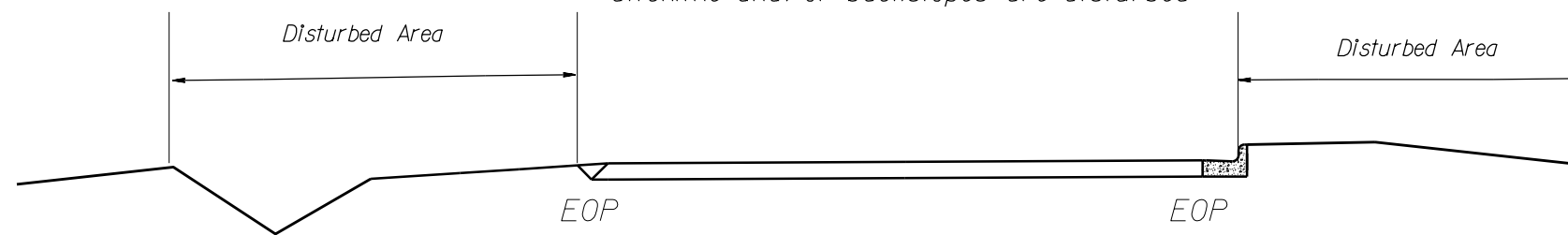
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattle or Silt Fence

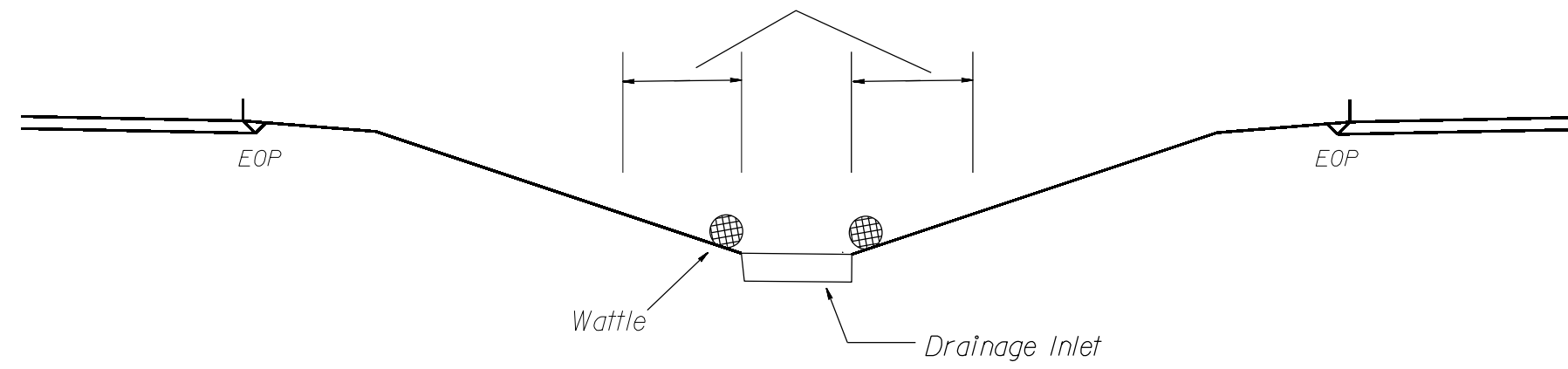
EROSION CONTROL DETAIL



Use BMP's if berms, shoulders and/or frontslopes and/or ditchline and/or backslopes are disturbed



< 5' - 10' Undisturbed buffer from inlet, add wattle



NOT TO SCALE

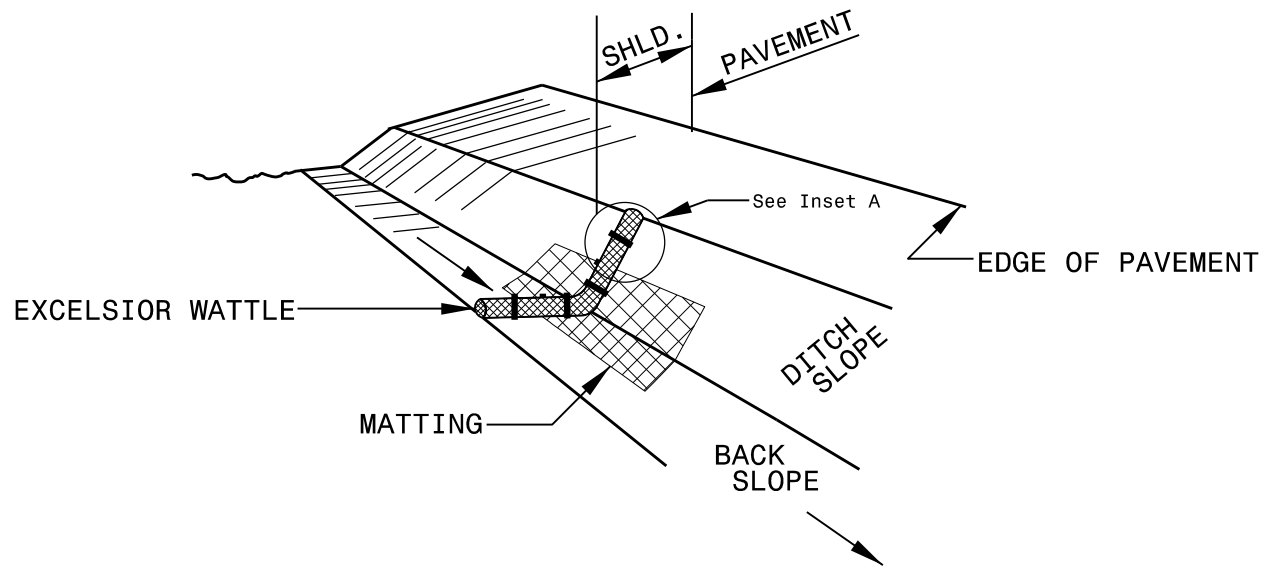
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

SOIL STABILIZATION TIMEFRAMES

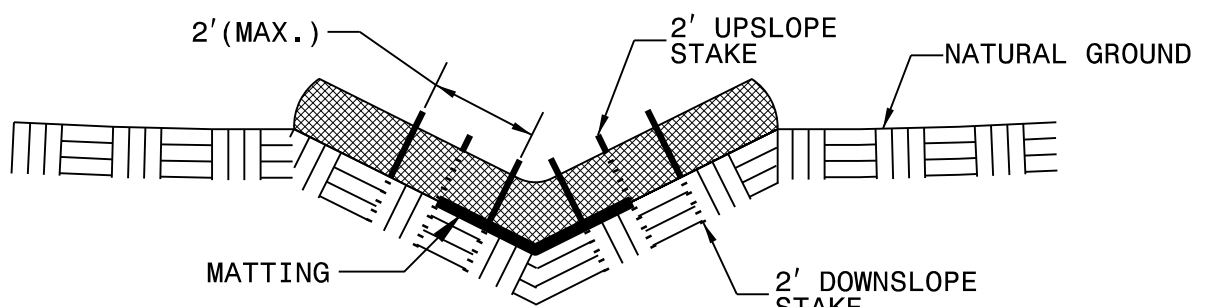
SITE DESCRIPTION	STABILIZATION TIME	TIMEFRAME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (Hqw) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND Hqw ZONES.

THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
WITH THE REGULATIONS SET FORTH BY THE
NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
NATURAL RESOURCES DIVISION OF WATER QUALITY.

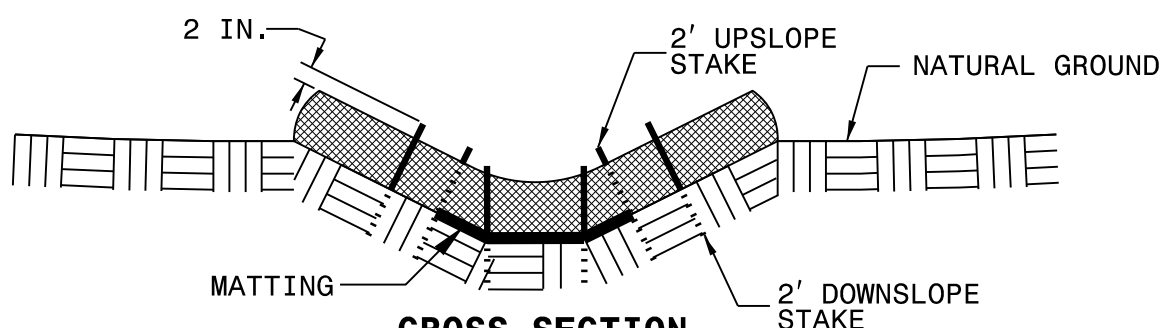
WATTLE DETAIL



ISOMETRIC VIEW



**CROSS SECTION
VEE DITCH**



**CROSS SECTION
TRAPEZOIDAL DITCH**

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

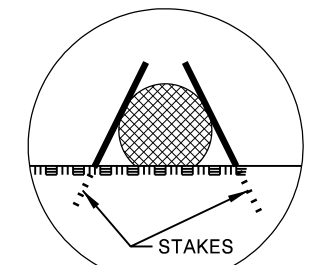
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

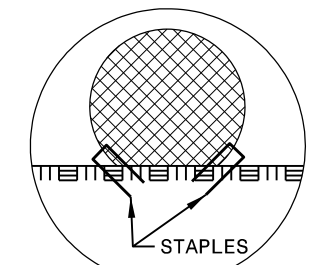
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

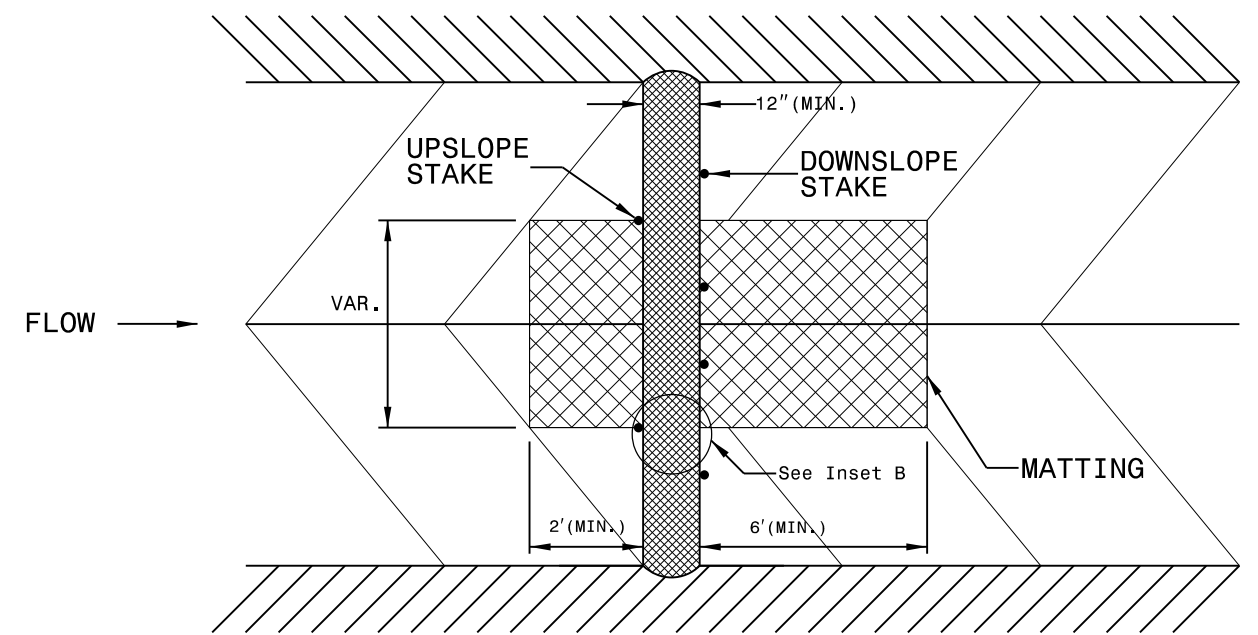
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



INSET B



TOP VIEW