

**To:** All Interested Bidders and Plan Holders

**From:** JP Harrell, Construction Project Manager I

**RE:** 2025 Street Rehabilitation and Preservation Project, ENG-2025-001  
Addendum #1

**Date:** November 20, 2024

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The following items clarify, add to, delete from and/or otherwise change and supersede information previously issued to you in the Bid Documents for the above-referenced project. As such, said items shall be considered part of the contract and receipt of this addendum shall be acknowledged appropriately in the bid package. Please review the following items carefully and adjust your proposal accordingly.

- **Pre-Bid Minutes/Clarifications/Follow-up:**

1. Pre-bid minutes and any requests for information at the Pre-Bid Meeting have been included below in Attachment 1. **11/15/2024** was the cut-off date for submitted questions after the Pre-Bid Meeting.
2. City of Greenville clarified that the 2018 NCDOT Standard Design and Detail will be used for this contract, excepting that Line Item 2, Asphalt Concrete Surface Course, Type S9.5B will be placed in one 2" lift.
3. Working hours were identified as 8:00 am – 5:00 pm, Monday – Friday. Any work outside of this timeframe shall require approval by the Engineering Department.
4. 4" Base Patching applies to all streets as identified in the contract and/or Addendum #1. Please note that 5" Base Patching will be required on Hooker Road.
5. Clarification was given that the contractor is required to provide date/time stamped pictures of all "NO PARKING SIGNS" posted 48 hours in advance of intended work starting.
6. All areas that require 4" Base Patching on Micro-Surfacing and Cape Seal Streets, will be marked by City of Greenville Staff.
7. If funds remain in the contract after awarded work is complete, City may add the work of some or all Alternates as funds allow.
8. Tire rings will not be allowed after casting adjustments on Hooker Road. Asphalt or cold patch will be required. The City of Greenville encourages that the timing of these adjustments in relation to resurfacing are close together.

- **Changes/Additions to Bid List and Specifications:**

1. 2025 Rehabilitation Preservation Maintenance Contract Map has been provided below. See Attachment 2
2. Changes to the Base Bid are as follows. See revised Bid Form in Attachment 3.

a. Make the following updates in the “*Schedule of Quantities For Bid*” table below:

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
13	24” CONCRETE CURB AND GUTTER	<del>1,500</del> 1,600	LF		
16	4” THICK CONCRETE SIDEWALK	<del>400</del> 420	SY		
19	TYPE 1 MODIFIED CONCRETE WHEELCHAIR RAMP	<del>38</del> 45	EA		
22	TYPE 3 MODIFIED CONCRETE WHEELCHAIR RAMP	<del>13</del> 14	EA		
25	MILLING ASPHALT PAVEMENT, 1” to 3” DEPTH	<del>35,600</del> 38,015	SY		
33	4” THERMOPLASTIC YELLOW LINE, 120 MILS	<del>13,215</del> 15,915	LF		
34	THERMOPLASTIC PAVEMENT MARKING, 4” PARKING T	<del>2,700</del> 0	EA		
35	THERMOPLASTIC PAVEMENT MARKING SYMBOLS, ARROWS (STRAIGHT OR TURN)	<del>69</del> 70	EA		
36	THERMOPLASTIC PAVEMENT MARKING SYMBOLS, COMBINATION ARROWS	<del>7</del> 8	EA		
38	TEMPORARY PAINT PAVEMENT MARKING SYMBOLS, ARROWS (STRAIGHT OR TURN)	<del>3</del> 52	EA		
38a	TEMPORARY PAINT PAVEMENT MARKING LINES, 4” WHITE	1,960	LF		
38b	TEMPORARY PAINT PAVEMENT MARKING LINES, 12” WHITE	545	LF		
38c	TEMPORARY PAINT PAVEMENT MARKING LINES, 24” WHITE	570	LF		
38d	TEMPORARY PAINT PAVEMENT MARKING LINES, 4” YELLOW	4,410	LF		
38e	TEMPORARY PAINT PAVEMENT MARKING SYMBOLS, COMBINATION ARROWS	7	EA		
38f	THERMOPLASTIC PAVEMENT MARKING, SCHOOL SYMBOL	2	EA		

3. Changes to the Alternate Bids are as follows:

a. Make the following changes to “*Alternate Bid 1-Ellsworth Drive*”:

- Line Item 4 (ADJUST/REPLACE EXISTING WATER/GASVALVE BOXES), quantity changed from 4 EA to 1 EA
- Line Item 5 (ADJUST/REPLACE EXISTING STORM DRAIN/SANITARY SEWER CASTINGS AND COVER), quantity changed from 5 EA to 4 EA.

b. Make the following changes to “*Alternate Bid 2-Royal Drive*”:

- Add Line Item (ADJUST/REPLACE EXISTING WATER/GASVALVE BOXES), quantity will be 1 EA.

4. Make the following updates to the “*Street Listing/Estimates for Asphalt and Milling-Base Bid*” table:

**STREET LISTING/ESTIMATES FOR ASPHALT AND MILLING – BASE BID**

**\*Streets marked by asterisk will be milled with 7’ Edge Milling**

**\*\*Indicates 5” Base Repair on selected streets.**

<b>Street Name</b>	<b>From</b>	<b>To</b>	<b>Milling (SY)</b>	<b>Estimated 4” Base Repair (Tons)</b>	<b>Resurfacing (Tons)</b>	<b>Thickness (inches)</b>
<del>*Bragg Cl</del> Bragg Cl	Shiloh Dr.	Cul-De-Sac	<del>260</del> 520	20	60	2
<del>*Shiloh Dr.</del> Shiloh Dr.	Alice Dr.	Kristen Dr.	<del>2,500</del> 4,650	175	530	2
<del>*Stuart Cl</del> Stuart Cl	Shiloh Dr.	Cul-De-Sac	<del>300</del> 600	105	70	2

5. Changes to the Appendices:

- a. Appendix B:
  - Additional locations and map added for Ragsdale Road
- b. Appendix C.
  - Additional locations and maps provided.
- c. Appendix D.
  - Additional locations and maps provided.

- Request for Additional Information:

1. Questions From Bidders:

- a. Q: Will there be any temporary paint line items?  
**A: Yes, there will be temporary paint in this contract. We are in the process of determining how much. Once totaled, I will reference in Addendum 1.**
- b. Q: It appears that all valves to be adjusted/replaced will be water. Will there be any gas valve boxes? If so will GUC be adjusting these?  
**A: \_At this time, there are no gas valves listed for adjustment in the contract per GUC's findings. However, if one needs to be adjusted that was missed, then the expectation would be for the contractor to adjust.**
- c. Q: Will there be a map provided like the one attached that was part of the 2024 bid documents?  
**A: Yes. I will send this out with the addendum. (Note: See Attachment 2)**
- d. Q: Have you used an outside electrical contractor to do the installation on what you have in place now?  
**A: Yes**
- e. Q: Could you give me any information to ensure I have covered the requirements to properly/professionally make the installation?  
**A: Please refer to Appendix H- Wavetronix Detection Locations in the contract. This will give a more in-depth layout of what is required at each location.**
- f. Q: Should there be a bid item added for pavement marking eradication & then paint back for maps that need this?  
**A: Pavement marking eradication will be incidental to the respective treatment line item for each road. (ex: Mill/Fill, Micro-Surface, and Cape Seal).**
- g. Q: Is the quantity for bid item 34, Thermo. Pavement marking, 4" Parking T correct? This seems like a lot of parking stalls?  
**A: It is not correct. This was placed there in error and will be corrected with the upcoming addendum. This should have been under 4" Thermoplastic Yellow Line, 120 MILS.**
- h. Q: Could there be a detail added for these Parking T's?  
**A: I checked with Traffic Services, and we do not have a detail. Typically, the contractor notes what is in the field and duplicates.**

Any questions regarding this Addendum should be directed to JP Harrell at 252-329-4887 or email at [jharrell@greenvillenc.gov](mailto:jharrell@greenvillenc.gov).

ec: Lisa Kirby, PE, Director of Engineering  
Lynn Raynor, PE, Civil Engineer III



Attachment 1

## Attachment 1

To: Pre-Bid Conference Attendees and Plan Holders

From: J.P. Harrell  
City of Greenville Engineering Department

Subject: 2025 Street Rehabilitation and Preservation Project, Pre-bid Minutes

Date: November 20, 2024

On Tuesday, November 7, 2024, at 10:00 a.m., a Pre-bid conference for the referenced project was held in the main conference room at 1500 Beatty Street Greenville NC, 27834. Those in attendance were as follows:

Lynn Raynor – COG  
JP Harrell – COG  
Rodney Cole – ST Wooten  
Carl Collie – Fred Smith Company  
Lenn Jackson – Tripp Brothers  
Bill Callow – Tripp Brothers

### **MEETING ITEMS:**

1. Welcome
  - a. Attendance Sheet
  - b. **Pre-bid conference not mandatory**
  - c. Introductions
2. Legal Requirements
  - a. Bonds/Insurance Certificates – Bid Bond, Payment/Performance Bonds/Insurance Certificate
  - b. 5% Bid Bond Required **submittal with Bid**
  - c. MWBE Requirements/**submittal with Bid**
    - Must be NC HUB Certified
    - MBE – 10%
    - WBE – 6%
    - Contact Wanda House with questions – 252-329-4862, [whouse@greenvillenc.gov](mailto:whouse@greenvillenc.gov)
3. Project Data
  - a. The Street Rehabilitation work will consist of full & edge milling of approximately 35,600 square yards of existing asphalt pavement, placing approximately 4,800 tons of Asphalt Concrete Surface Course, Type S 9.5B, 1,875 tons of Asphalt Concrete Base

- repairs/patching, ADA improvements, curb and gutter repairs, and making necessary adjustments to valves and manholes. The Street Preservation work will consist of Micro Surfacing 51,600 square yards, Cape Sealing 117,000 square yards, Rejuvenating 78,752 square yards and Crack Sealing 75,806 square yards of City of Greenville roads. The Project also includes the placement of thermoplastic & temporary pavement markings on several streets. The Contractor will install improvements on City of Greenville and will be subject to NCDOT associated standards and specifications.
- b. Liquidated Damages - **\$1,400/day**.
  - c. Bid Form – per Instructions to Bidders, paragraph 12.3, all Line Items with the same description in either the Base Bid or any Alternates must use the same unit price in all instances. Work Zone Traffic Control is the only exception to this requirement.
    - **Response: Mobilization will also be an exception to this requirement.**
  - d. Contract Award – Lowest responsive responsible bidder based on the Base Bid Total. Lowest bidder will be required to provide references and financial records, which the City will check prior to moving forward with award. See page IB-1, paragraph (3) in the Instructions to Bidders. Award of Alternates, if any, will be based upon available budget
  - e. Contract Completion Time is as follows:
    - Base Bid – **120 Calendar Days**
    - Potential Additional Contract Completion Time (if awarded)
      1. Alternate Bid 1 – **4 Calendar Days**
      2. Alternate Bid 2 – **1 Calendar Days**
      3. Alternate Bid 3 – **4 Calendar Days**
      4. Alternate Bid 4 – **4 Calendar Days**
      5. Alternate Bid 5 – **6 Calendar Days**
      6. Alternate Bid 6 – **4 Calendar Days**
      7. Alternate Bid 7 – **4 Calendar Days**
  - f. Contractor is responsible for any necessary surveying, including documentation of existing pavement markings prior to obliteration
  - g. Working Hours:
    - Normal Working Hours are 8am-5pm. Bidders should bid the project for all work to be completed during these times due to the proximity to residences, except as noted below.
    - Must get Engineers approval for any time outside of normal working hours & days.
    - Engineer will have the ability to change working hours depending on location of work and/or any special circumstances.
  - h. Asphalt Concrete Base Repairs/Patching – Some areas will be marked/repared prior to preservation treatments; **some will be assessed after being milled and/or proof rolled.**
- Note: 5” Base Patching on Hooker Road is required.**
- i. Micro Paving:
    - Will be Type II – Double Application
    - 4” Base Patching – Six (6) streets require base patching prior to micro paving

- Milling – Any thermoplastic on roads to be Micro Surfaced will need to be milled prior to work and will be incidental to the contract work.
- j. Cape Seal:
- 4” Base Patching – Fifteen (15) streets require base patching prior to cape seal.
  - Milling – Any thermoplastic on roads to be Micro Surfaced will need to be milled prior to work and will be incidental to the contract work.
  - Removal of all loose stone shall be completed within (7) days of the Micro Surface layer being applied. Loose stone shall be removed by means of a street sweeper and will be incidental to the line item.
- k. PSP - 1: Locations to be Resurfaced Before July 31<sup>st</sup>
- Reference table located in the Project Special Provisions. This includes all associated work.
  - Includes two (2) Mill and Fill locations.
  - All Micro Paving Locations.
  - All Crack Seal Locations.
  - All Cape Seal Locations.
- l. PSP – 2: On-Street Parking
- Contractor is required to provide pictures with date/time stamp minimum 48 hours ahead of intended work. These pictures are required proof for any necessary towing.
  - Parking Enforcement uses a free phone app that date/time stamps pictures.
  - See PSP for further information on required locations of signs.
- m. PSP – 3: Traffic Control
- The Contractor at the pre-construction conference shall submit a complete Traffic Control Plan for each multi-lane street being resurfaced, milled or striped.
  - Failure to provide, implement and maintain the approved Traffic Control Plan as described above will result in an immediate verbal “Stop Work” order from the Director of Engineering or designee with no work continuing until necessary corrective measures have been performed.
  - Traffic Control – reasonable access to residences and businesses must be maintained. Contractor will be required to provide traffic control plan/construction phasing for each street being resurfaced at the time of the pre-construction meeting.
- n. PSP – 6: Work Schedule
- For daytime operations, any placement of asphalt not started prior to 1:00 PM shall be suspended for the day. The intention of this PSP is that any map started shall be completed the same day within Normal Working Hours.
- o. PSP – 7: Public Relations
- Contractor shall place “door knockers” at affected residences at least 24 hours in advance of paving operations. Sample Word template will be provided by City of Greenville.
  - Knockers will be submitted to Engineer for review and acceptance.
  - Door knockers shall not be placed inside of mailboxes per the United States Postal Service.

- p. PSP – 10: Casting Adjustments
    - A 10' straightedge shall be placed across all castings by the Contractor parallel to and perpendicular to the centerline of the final surface course after finish rolling has been completed. Any casting which exceeds 1/8" (one eighth inch) variation from the surface being tested from the edge of the 10' straightedge to any one or more contact points of the adjusted casting shall be reset to finished grade by the Contractor at no cost to the City.
  - q. PSP – 11: Mix Design and Job Mix Formula
    - If Recycled Asphalt Pavement (RAP) and Recycled Asphalt Shingles (RAS) is to be proposed as part of the mix, the Contractor is allowed to use up to a maximum of 15% (RAP) and (RAS) by weight of the total recycled mixture and must comply with Article 610-3 of the North Carolina Department of Transportation Standard Specifications for Roads and Structures.
  - r. PSP 14 - Pavement Markings
    - For all multi-lane facilities, at the end of each day's operation the contractor shall provide temporary paint pavement markings to facilitate normal traffic operations after milling or Rehabilitation & Preservation has obliterated existing markings. This work shall be paid according to the bid form temporary paint line items.
  - s. PSP 30 – Pedestrian Detours
    - Prior to shutting down sidewalks, contractor shall provide a pedestrian detour plan which shall be reviewed and approved by City of Greenville Traffic Services Division. A minimum of one week review is required.
  - t. Line Item 23 – Install Concrete Wheelchair Ramps
    - Contractor will need to document existing dimensions prior to demolition of the ramp.
  - u. Line Item 39 – Install Wavetronix Detection
    - Wavetronix Detection Equipment will be furnished by the City of Greenville.
    - City of Greenville Traffic Technician will be required on site to oversee the installation. One week notice shall be given for scheduling.
  - v. Appendix C and D:
    - Additional maps are in the process of being produced. This will be updated in the addendum.
  - w. An addendum will be sent out with pre-bid minutes and any requests for information received.
    - 11/15/2024 will be cut off date for submittal of questions. An addendum will be sent out by November 20, 2024, with all questions answered.
  - x. **Bid date – Tuesday, November 26, 2024, at 2:00 PM, 1500 Beatty St. Be sure to include all required documents with bids. (Bid Form, Bid Security, Non-Collusion Affidavit, MWBE documentation)**
  - y. **The anticipated NTP for the subject project will be set around mid to late March.**
4. Contact – JP Harrell, Construction Project Manager I, 252-329-4887, [JHarrell@greenvillenc.gov](mailto:JHarrell@greenvillenc.gov)  
Wanda House, Financial Services Manager, 252-329-4862, [whouse@greenvillenc.gov](mailto:whouse@greenvillenc.gov)

5. Questions:

- a. Q. Can you please provide a map/streets with approx. quantity of curb/valley removal and replacement?  
A. **Yes, we will provide a list of roads with approximate amounts of curb/valley. See attachment below.**
- b. Q. Undercut and Backfill , backfill was to be ABC stone correct?  
A. **Correct. ABC stone is to be used in this line item.**
- c. Q. Tree stump is to be left in place and ground down instead of removing correct?  
A. **Tree stump is to be left in place and ground down. Any roots on private property will be left as is.**

RESURFACING (BASE BID ROUTES)			REMOVAL		INSTALLATION	
Street Name	From	To	Curb and Gutter (LF)	Valley Gutter (LF)	Curb and Gutter	Valley Gutter (CY)
Bismark St.	Dexter St.	SW Greenville Blvd	354	150	354	12
Bragg Ct	Shiloh Dr.	Cul-De-Sac	5	0	5	0
Cromwell Dr.	Red Banks Rd.	Remington Dr.	100	70	100	5.5
Governors Ln.	Old Courthouse Dr.	Cul-De-Sac	20	0	20	0
Hooker Road	Cozart St.	W. Arlington Blvd.	77	0	77	0
Liberty Drive	Old Courthouse Dr.	Cul-De-Sac	0	0	0	0
Old Courthouse Dr.	E. 10 <sup>th</sup> St.	Cul-De-Sac	0	0	0	0
Royal Dr.	Phase Line Joint W. of Piccadilly Dr.	End City Maintenance	155	0	155	0
Shiloh Dr.	Alice Dr.	Kristen Dr.	210	60	210	5
Stuart Ct	Shiloh Dr.	Cul-De-Sac	30	0	30	0
MICRO-SURFACE ROUTES						
CAMILLE DR.	PH. JOINT W. OF TYBEE CT.	CUL-DE-SAC	0	0	ADA Ramps*	0
EMERALD PARK DR.	JADE LN.	THOMAS LANGSTON RD.	0	0	ADA Ramps*	0
FORSYTH PARK CT.	OGLETHORPE DR.	CUL-DE-SAC	0	0	ADA Ramps*	0
GARNET WY.	JADE LN.	DAVENPORT FARM RD.	0	0	ADA Ramps*	0
JADE LN.	CUL-DE-SAC	PH. LINE JOINT 156' N. OF EMERALD P. D.	0	0	ADA Ramps*	0
LAURA LN.	14TH ST.	DAVID DR.	0	0	ADA Ramps*	0
OGLETHORPE DR.	CAMILLE DR.	THOMAS LANGSTON RD.	0	0	ADA Ramps*	0
RHINESTONE DR.	JADE LN.	PHASE LINE JOINT 125' N. OF EMERALD P. D	0	0	ADA Ramps*	0
SAPHIRE CT.	CUL-DE-SAC	EMERALD PARK DR.	0	0	ADA Ramps*	0
SOUTHSIDE DR.	OGLETHORPE DR.	PHASE LINE JOINT -170'+/-	0	0	ADA Ramps*	0
TOPAZ DR.	JADE LN.	STREET END	0	0	ADA Ramps*	0
TYBEE CT.	CAMILLE DR.	CUL-DE-SAC	0	0	ADA Ramps*	0
CAPE SEAL ROUTES						
ABINGTON CT.	ROCKLAND DR	CUL-DE-SAC	0	0	ADA Ramps*	0
ARBOR DR.	CUL-DE-SAC	END CITY MAINTENANCE)	0	0	ADA Ramps*	0
AUTUMN CHASE CT.	GREY FOX TR.	CUL-DE-SAC	0	0	ADA Ramps*	0
BAYSWATER RD.	FIRETOWER RD.	FIRETOWER RD.	0	0	ADA Ramps*	0
BUGLE DR.	CAMILLE DR	BUGLE DR.- END MAINTENANCE	0	0	ADA Ramps*	0
BULL RUSH CT.	CHERRYTREE LN.	BULL RUSH CT - OLD PHASE LINE JOINT	0	0	ADA Ramps*	0
CAMILLE DR.	STREET END	THOMAS LANGSTON RD.	0	0	ADA Ramps*	0
CHARDON CT.	FOX CHASE LN.	CUL-DE-SAC	0	0	ADA Ramps*	0
CHARTERHOUSE LN.	CAMILLE DR.	CUL-DE-SAC	0	0	ADA Ramps*	0
CHECKERBERRY LN.	CUL-DE-SAC	CAMILLE DR.	0	0	ADA Ramps*	0
CHERRYTREE LN.	CUL-DE-SAC	CAMILLE DR	0	0	ADA Ramps*	0
CHESCO CT.	CAMILLE DR	CUL-DE-SAC	0	0	ADA Ramps*	0
CHESTMOUNT DR.	CHERRYTREE LN.	CHESTMOUNT DR. END MAINTENANCE	0	0	ADA Ramps*	0
CROOKED CREEK RD.	END STREET.	CUL-DE-SAC	0	0	ADA Ramps*	0
FAULT CI.	PLATEAU DR.	CUL-DE-SAC	0	0	ADA Ramps*	0
FIELDSTONE PL.	GREY FOX TR.	CUL-DE-SAC	0	0	ADA Ramps*	0
FOX CHASE LN.	NORTH OLD PHASE LN. JOINT	SOUTH OLD PHASE LN. JOINT	0	0	ADA Ramps*	0
GREY FOX TR.	CROOKED CREEK RD	SADDLE RIDGE PL	0	0	ADA Ramps*	0
HARVEST MANOR	GREY FOX TR.	CUL-DE-SAC	0	0	ADA Ramps*	0
HUNTER'S RN.	PLANTERS WK.	CUL-DE-SAC	0	0	ADA Ramps*	0
KNOLL CI.	ROCKLAND DR	STREET END	0	0	ADA Ramps*	0
N. CHATHAM CT.	FOX CHASE LN.	CUL-DE-SAC	0	0	ADA Ramps*	0
OLD MILL CT.	CROOKED CREEK RD.	CUL-DE-SAC	0	0	ADA Ramps*	0
OLD OAK WK.	CROOKED CREEK RD.	CUL-DE-SAC	0	0	ADA Ramps*	0
PHEASANT RN.	CROOKED CREEK RD.	CUL-DE-SAC	0	0	ADA Ramps*	0
PLANTATION CI.	CROOKED CREEK RD.	CUL-DE-SAC	0	0	ADA Ramps*	0
PLANTERS WK.	14TH ST.	CROOKED CREEK RD.	0	40	ADA Ramps*	3
PLATEAU DR.	CUL-DE-SAC	VALLEY RD.	0	70	ADA Ramps*	5.5
ROCKLAND DR.	CUL-DE-SAC	ARBOR DR.	0	0	ADA Ramps*	0
S. CHATHAM CT.	FOX CHASE LN.	CUL-DE-SAC	0	0	ADA Ramps*	0
SADDLE RIDGE PL.	GREY FOX TR.	CUL-DE-SAC	0	0	ADA Ramps*	0
WAPPING CT.	CUL-DE-SAC	ROCKLAND DR	0	0	ADA Ramps*	0

**\*NOTE: QUANTITY (LF) OF CURB/GUTTER TO BE INSTALLED WILL BE DEPENDANT UPON THE TYPE/NUMBER OF CURB RAMPS REQUIRING REMOVAL/REPLACEMENT. REMOVAL OF EXISTING CURB/GUTTER WILL BE INCIDENTAL TO LINE ITEM 17-REMOVAL OF EXISTING CONCRETE WHEELCHAIR RAMPS.**

# 2025 Street Rehabilitation & Preservation Contract

City of Greenville, NC

ENG-2024-001

10am 11/7/2024

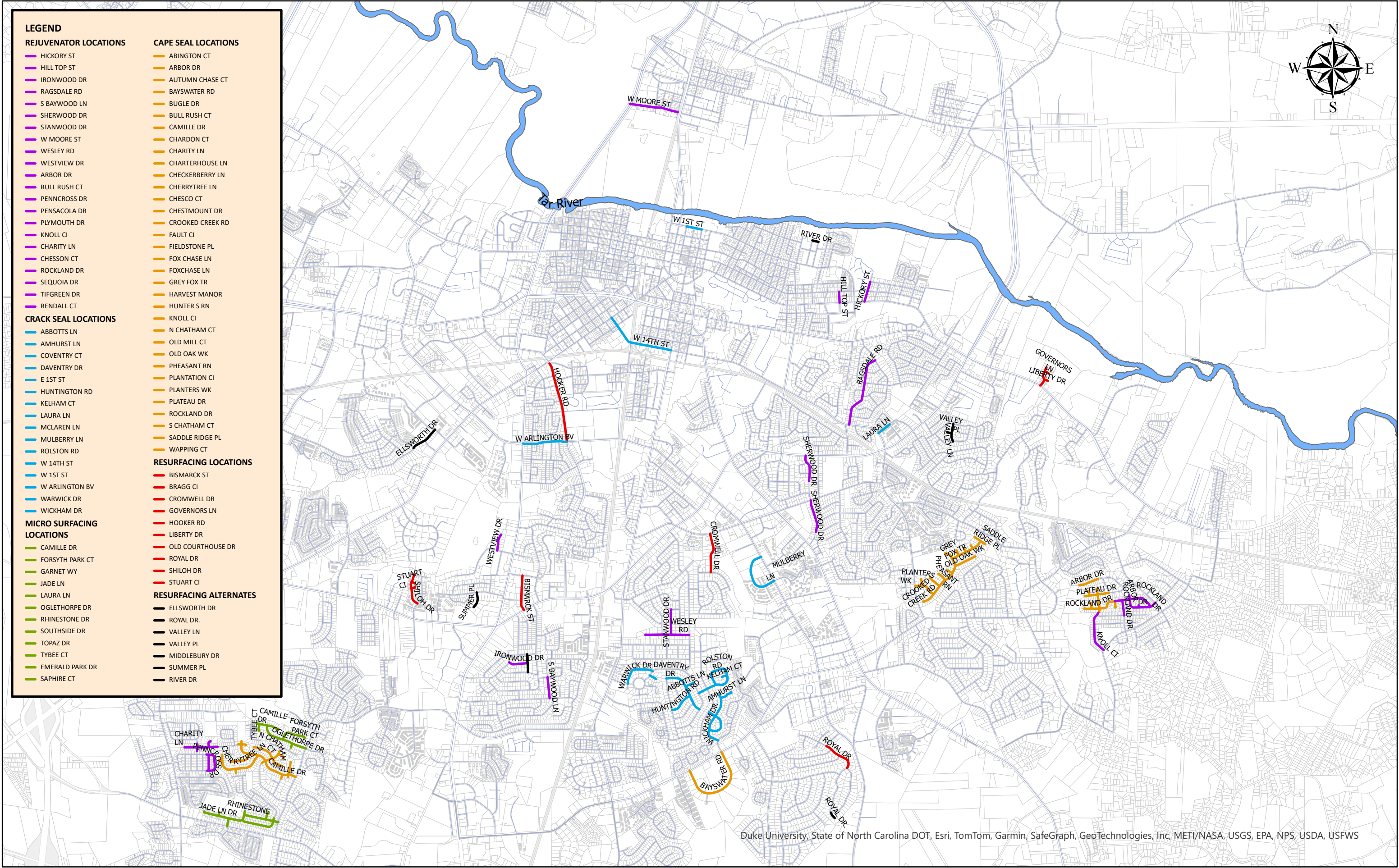
Name	Agency	Phone Number	Email
Rodney Cole	ST Wokren	252-714-2689	rodney.cole@stwc.org
Chel Collier	Fred Smith Co.	919-901-8225	ccollier@fredsmithcompany.net
Kevin Jackson	TRIPBROS	252-531-2790	kevin@tripbrothers.com
Bill Callow	TRIPBROS	252-341-5208	bill@tripbrothers.com
JF HARRIS	COG	252-329-4587	JFHARRIS@GREENVILLE.NC.GOV
Lynn Rayner	COG	252-329-4620	rayner@greenvillenc.gov



Attachment 2



2025 - REHABILITATION & PRESERVATION STREETS





Attachment 3

## 2025 Street Rehabilitation and Preservation Project

**BID OPENING DATE: November, 26<sup>th</sup>, 2024**

The unit prices noted herein shall include installing in place, complete and accepted.

**BASE BID – CONTRACT TIME: 120 DAYS**

**STREET REHABILITATION & PRESERVATION, COLD MILLING OF ASPHALT PAVEMENTS, PAVEMENT MARKINGS/SIGNALS**

Item	Item	Scheduled	Unit	Unit Price	Amount
No.	Description	Quantities			
1	MOBILIZATION	1	LS		\$ -
2	ASPHALT CONCRETE SURFACE COURSE, TYPE S 9.5B	4,800	TON		\$ -
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	1,875	TON		\$ -
4	STREET MICRO SURFACING – TYPE II (DOUBLE APPLICATION)	51,600	SY		\$ -
6	CRACK SEALING	75,806	SY		\$ -
7	CAPE SEAL	117,000	SY		\$ -
8	REJUVINATOR	78,752	SY		\$ -
9	ADJUST/REPLACE EXISTING WATER/GAS VALVE BOXES	7	EA		\$ -
10	ADJUST/REPLACE EXISTING STORM DRAIN/SANITARY SEWER CASTINGS AND COVER	28	EA		\$ -
11	REMOVAL OF EXISTING CONCRETE CURB AND GUTTER	1,000	LF		\$ -
12	REMOVAL OF EXISTING VALLEY GUTTER	400	LF		\$ -
13	24" CONCRETE CURB AND GUTTER	1,600	LF		\$ -
15	VALLEY GUTTER	30	CY		\$ -
16	4" THICK CONCRETE SIDEWALK	420	SY		\$ -
17	REMOVAL OF EXISTING CONCRETE WHEELCHAIR RAMPS	77	EA		\$ -
18	TYPE 1 CONCRETE WHEELCHAIR RAMP	2	EA		\$ -
19	TYPE 1 MODIFIED CONCRETE WHEELCHAIR RAMP	45	EA		\$ -
20	TYPE 2B CONCRETE WHEELCHAIR RAMP	11	EA		\$ -
21	TYPE 3 CONCRETE WHEELCHAIR RAMP	8	EA		\$ -
22	TYPE 3 MODIFIED CONCRETE WHEELCHAIR RAMP	14	EA		\$ -
23	INSTALL CONCRETE WHEELCHAIR RAMP WITH EXISTING DIMENSIONS	6	EA		\$ -
24	WORK ZONE TRAFFIC CONTROL	1	LS		\$ -
25	MILLING ASPHALT PAVEMENT, 1" to 3" DEPTH	38,015	SY		\$ -
26	GEOTEXTILE FOR PAVEMENT STABILIZATION	795	SY		\$ -
27	PROOF ROLLING	23	HR		\$ -
28	REMOVAL OF EXISTING SPEED HUMPS	1	EA		\$ -
29	INSTALLATION OF SPEED CUSHIONS	3	EA		\$ -
30	4" THERMOPLASTIC WHITE LINE, 120 MILS	2,640	LF		\$ -
31	12" THERMOPLASTIC WHITE LINE, 120 MILS	790	LF		\$ -
32	24" THERMOPLASTIC WHITE LINE, 120 MILS	656	LF		\$ -
33	4" THERMOPLASTIC YELLOW LINE, 120 MILS	15,915	LF		\$ -
34	THERMOPLASTIC PAVEMENT MARKING, 4" PARKING T	0	EA		\$ -
35	THERMOPLASTIC PAVEMENT MARKING SYMBOLS, ARROWS (STRAIGHT OR TURN)	70	EA		\$ -
36	THERMOPLASTIC PAVEMENT MARKING SYMBOLS, COMBINATION ARROWS	8	EA		\$ -
37	THERMOPLASTIC PAVEMENT MARKING, SCHOOL SYMBOL	2	EA		\$ -
38	TEMPORARY PAINT PAVEMENT MARKING SYMBOLS, ARROWS (STRAIGHT OR TURN)	52	EA		\$ -
38a	TEMPORARY PAINT PAVEMENT MARKING LINES, 4" WHITE	1,960	LF		\$ -
38b	TEMPORARY PAINT PAVEMENT MARKING LINES, 12" WHITE	545	LF		\$ -
38c	TEMPORARY PAINT PAVEMENT MARKING LINES, 24" WHITE	570	LF		\$ -
38d	TEMPORARY PAINT PAVEMENT MARKING LINES, 4" YELLOW	4,410	LF		\$ -
38e	TEMPORARY PAINT PAVEMENT MARKING SYMBOLS, ARROWS (STRAIGHT OR TURN)	52	EA		\$ -
38f	TEMPORARY PAINT PAVEMENT MARKING SYMBOLS, COMBINATION ARROWS	7	EA		\$ -
38g	THERMOPLASTIC PAVEMENT MARKING, SCHOOL SYMBOL	2	EA		\$ -
39	INSTALL WAVETRONIX DETECTION	6	EA		\$ -
40	TREE REMOVAL (SHILOH DRIVE)	1	EA		\$ -

41	UNDERCUT (12" DEEP)	287	CY		\$ -
42	SELECT MATERIALS, CLASS IV	573	TON		\$ -

**BASE BID TOTAL:** \$ -

**ALTERNATE BID 1 – ADDITIONAL CONTRACT TIME: 4 DAYS**

**Ellsworth Drive – Lake Road to Spring Forest Road**

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
1	MOBILIZATION	1	LS		\$ -
2	ASPHALT CONCRETE SURFACE COURSE, S 9.5B	475	TON	\$ -	\$ -
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	138	TON	\$ -	\$ -
4	ADJUST/REPLACE EXISTING WATER/GAS VALVE BOXES	1	EA	\$ -	\$ -
5	ADJUST/REPLACE EXISTING STORM DRAIN/SANITARY SEWER CASTINGS AND COVER	4	EA	\$ -	\$ -
6	REMOVAL OF EXISTING CONCRETE CURB AND GUTTER	65	LF	\$ -	\$ -
7	REMOVAL OF EXISTING VALLEY GUTTER	68	LF	\$ -	\$ -
8	24" CONCRETE CURB AND GUTTER	65	LF	\$ -	\$ -
9	VALLEY GUTTER	6	CY	\$ -	\$ -
10	WORK ZONE TRAFFIC CONTROL	1	LS		\$ -
11	MILLING ASPHALT PAVEMENT, 1" TO 3" DEPTH	4,300	SY	\$ -	\$ -
12	GEOTEXTILE FOR PAVEMENT STABILIZATION	500	SY	\$ -	\$ -
13	UNDERCUT (12" DEEP)	150	CY	\$ -	\$ -
14	SELECT MATERIALS, CLASS IV	290	TON	\$ -	\$ -
15	PROOF ROLLING	3	HR	\$ -	\$ -
16	INSTALLATION OF SPEED CUSHIONS	3	EA	\$ -	\$ -

**ALTERNATE BID 1 TOTAL** \$ -

**ALTERNATE BID 2 – ADDITIONAL CONTRACT TIME: 1 DAYS**

**Royal Drive – Berkshire Dr. to Cul-De-Sac (Overlay)**

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
1	MOBILIZATION	1	LS		\$ -
2	ASPHALT CONCRETE SURFACE COURSE, S 9.5B	61	TON	\$ -	\$ -
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	25	TON	\$ -	\$ -
4	ADJUST/REPLACE EXISTING WATER/GAS VALVE BOXES	1	EA	\$ -	
5	ADJUST/REPLACE EXISTING STORM DRAIN/SANITARY SEWER CASTINGS AND COVER	3	EA	\$ -	\$ -
6	WORK ZONE TRAFFIC CONTROL	1	LS		\$ -
7	PROOF ROLLING	1	HR	\$ -	\$ -

**ALTERNATE BID 2 TOTAL** \$ -

**ALTERNATE BID 3 – ADDITIONAL CONTRACT TIME: 4 DAYS**

**Valley Lane – Kent Road to Prince Road**

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
1	MOBILIZATION	1	LS		\$ -
2	ASPHALT CONCRETE SURFACE COURSE, S 9.5B	290	TON	\$ -	\$ -
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	55	TON	\$ -	\$ -
4	ADJUST/REPLACE EXISTING WATER/GAS VALVE BOXES	3	EA	\$ -	\$ -
5	ADJUST/REPLACE EXISTING STORM DRAIN/SANITARY SEWER CASTINGS AND COVER	7	EA	\$ -	\$ -
6	REMOVAL OF EXISTING CONCRETE CURB AND GUTTER	200	LF	\$ -	\$ -
7	REMOVAL OF EXISTING VALLEY GUTTER	55	LF	\$ -	\$ -
8	24" CONCRETE CURB AND GUTTER	200	LF	\$ -	\$ -
9	VALLEY GUTTER	4.5	CY	\$ -	\$ -
10	WORK ZONE TRAFFIC CONTROL	1	LS		\$ -

11	MILLING ASPHALT PAVEMENT, 1" TO 3" DEPTH (EDGE MILL 7 FT.)	1,300	SY	\$ -	\$ -
12	GEOTEXTILE FOR PAVEMENT STABILIZATION	130	SY	\$ -	\$ -
13	UNDERCUT (12" DEEP)	48	CY	\$ -	\$ -
14	SELECT MATERIALS, CLASS IV	100	TON	\$ -	\$ -
15	PROOF ROLLING	3	HR	\$ -	\$ -

ALTERNATE BID 3 TOTAL \$ -

**ALTERNATE BID 4 – ADDITIONAL CONTRACT TIME: 4 DAYS**

Valley Place – Valley Lane to Cul-De-Sac

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
1	MOBILIZATION	1	LS		\$ -
2	ASPHALT CONCRETE SURFACE COURSE, S 9.5B	70	TON	\$ -	\$ -
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	15	TON	\$ -	\$ -
4	ADJUST/REPLACE EXISTING WATER/GAS VALVE BOXES	1	EA	\$ -	\$ -
5	ADJUST/REPLACE EXISTING STORM DRAIN/SANITARY SEWER CASTINGS AND COVER	1	EA	\$ -	\$ -
6	REMOVAL OF EXISTING CONCRETE CURB AND GUTTER	50	LF	\$ -	\$ -
7	24" CONCRETE CURB AND GUTTER	50	LF	\$ -	\$ -
8	WORK ZONE TRAFFIC CONTROL	1	LS		\$ -
9	MILLING ASPHALT PAVEMENT, 1" TO 3" DEPTH (EDGE MILL 7 FT.)	320	SY	\$ -	\$ -
10	GEOTEXTILE FOR PAVEMENT STABILIZATION	40	SY	\$ -	\$ -
11	UNDERCUT (12" DEEP)	14	CY	\$ -	\$ -
12	SELECT MATERIALS, CLASS IV	30	TON	\$ -	\$ -
13	PROOF ROLLING	1	HR	\$ -	\$ -

ALTERNATE BID 4 TOTAL \$ -

**ALTERNATE BID 5 – ADDITIONAL CONTRACT TIME: 6 DAYS**

Middlebury Drive – Greenwood Drive to Ripley Drive

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
1	MOBILIZATION	1	LS		\$ -
2	ASPHALT CONCRETE SURFACE COURSE, S 9.5B	300	TON	\$ -	\$ -
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	310	TON	\$ -	\$ -
4	ADJUST/REPLACE EXISTING WATER/GAS VALVE BOXES	2	EA	\$ -	\$ -
5	ADJUST/REPLACE EXISTING STORM DRAIN/SANITARY SEWER CASTINGS AND COVER	2	EA	\$ -	\$ -
6	REMOVAL OF EXISTING CONCRETE CURB AND GUTTER	180	LF	\$ -	\$ -
7	REMOVAL OF EXISTING VALLEY GUTTER	10	LF	\$ -	\$ -
8	24" CONCRETE CURB AND GUTTER	180	LF	\$ -	\$ -
9	VALLEY GUTTER	2	CY	\$ -	\$ -
10	WORK ZONE TRAFFIC CONTROL	1	LS		\$ -
11	MILLING ASPHALT PAVEMENT, 1" TO 3" DEPTH (EDGE MILL 7 FT.)	1,350	SY	\$ -	\$ -
12	GEOTEXTILE FOR PAVEMENT STABILIZATION	1,000	SY	\$ -	\$ -
13	UNDERCUT (12" DEEP)	345	CY	\$ -	\$ -
14	SELECT MATERIALS, CLASS IV	670	TON	\$ -	\$ -
15	PROOF ROLLING	2	HR	\$ -	\$ -

ALTERNATE BID 5 TOTAL \$ -

**ALTERNATE BID 6 – ADDITIONAL CONTRACT TIME: 4 DAYS**

Summer Place – Peed Drive to Street End

Item No.	Item Description	Scheduled Quantities	Unit	Unit Price	Amount
1	MOBILIZATION	1	LS		\$ -
2	ASPHALT CONCRETE SURFACE COURSE, S 9.5B	280	TON	\$ -	\$ -
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	110	TON	\$ -	\$ -
4	ADJUST/REPLACE WATER/GAS VALVE BOXES	3	EA	\$ -	\$ -

5	ADJUST/REPLACE EXISTING STORM DRAIN/SANITARY SEWER CASTINGS AND COVER	3	EA	\$ -	\$ -
6	REMOVAL OF EXISTING CONCRETE CURB AND GUTTER	25	LF	\$ -	\$ -
7	24" CONCRETE CURB AND GUTTER	25	LF	\$ -	\$ -
8	WORK ZONE TRAFFIC CONTROL	1	LS		\$ -
9	MILLING ASPHALT PAVEMENT, 1" TO 3" DEPTH (EDGE MILL 7 FT.)	1,000	SY	\$ -	\$ -
10	GEOTEXTILE FOR PAVEMENT STABILIZATION	50	SY	\$ -	\$ -
11	UNDERCUT (12" DEEP)	20	CY	\$ -	\$ -
12	SELECT MATERIALS, CLASS IV	40	TON	\$ -	\$ -
13	PROOF ROLLING	2	HR	\$ -	\$ -

ALTERNATE BID 6 TOTAL \$ -

**ALTERNATE BID 7 – ADDITIONAL CONTRACT TIME: 4 DAYS**

River Drive – N. Oak Street to Ash Street

Item	Item	Scheduled	Unit	Unit Price	Amount
No.	Description	Quantities			
1	MOBILIZATION	1	LS		\$ -
2	ASPHALT CONCRETE SURFACE COURSE, S 9.5B	110	TON	\$ -	\$ -
3	ASPHALT PLANT MIX, PAVEMENT REPAIR, 4" DEEP	161	TON	\$ -	\$ -
4	REMOVAL OF EXISTING CONCRETE CURB AND GUTTER	30	LF	\$ -	\$ -
5	REMOVAL OF EXISTING VALLEY GUTTER	47	LF	\$ -	\$ -
6	24" CONCRETE CURB AND GUTTER	30	LF	\$ -	\$ -
7	VALLEY GUTTER	4	CY	\$ -	\$ -
8	WORK ZONE TRAFFIC CONTROL	1	LS		\$ -
9	MILLING ASPHALT PAVEMENT, 1" TO 3" DEPTH (EDGE MILL 7 FT.)	500	SY	\$ -	\$ -
10	GEOTEXTILE FOR PAVEMENT STABILIZATION	900	SY	\$ -	\$ -
11	UNDERCUT (12" DEEP)	22	CY	\$ -	\$ -
12	SELECT MATERIALS, CLASS IV	45	TON	\$ -	\$ -
13	PROOF ROLLING	2	HR	\$ -	\$ -

ALTERNATE BID 7 TOTAL \$ -

CONTRACTOR: \_\_\_\_\_

LICENSE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

Appendix B Maps



# CONCRETE RAMP LOCATIONS 2025 REHABILITATION & PRESERVATION CONTRACT

## APPENDIX B

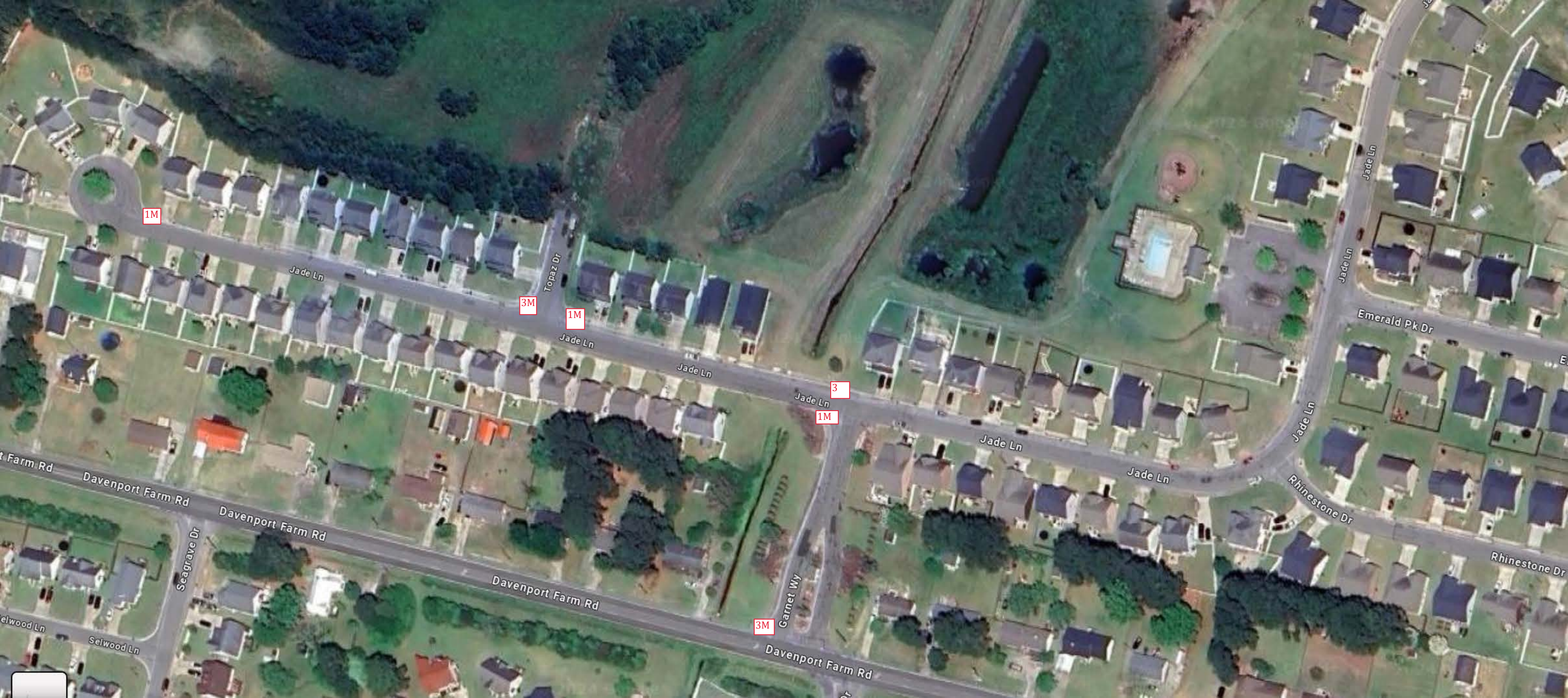
**Note:** *It is the responsibility of the Contractor to coordinate any utility moves or adjustments that may be required during installation of ramp upgrades.*





Remove ramp. Make  
ADA compliant. Keep  
existing ramp layout.









1M

3M

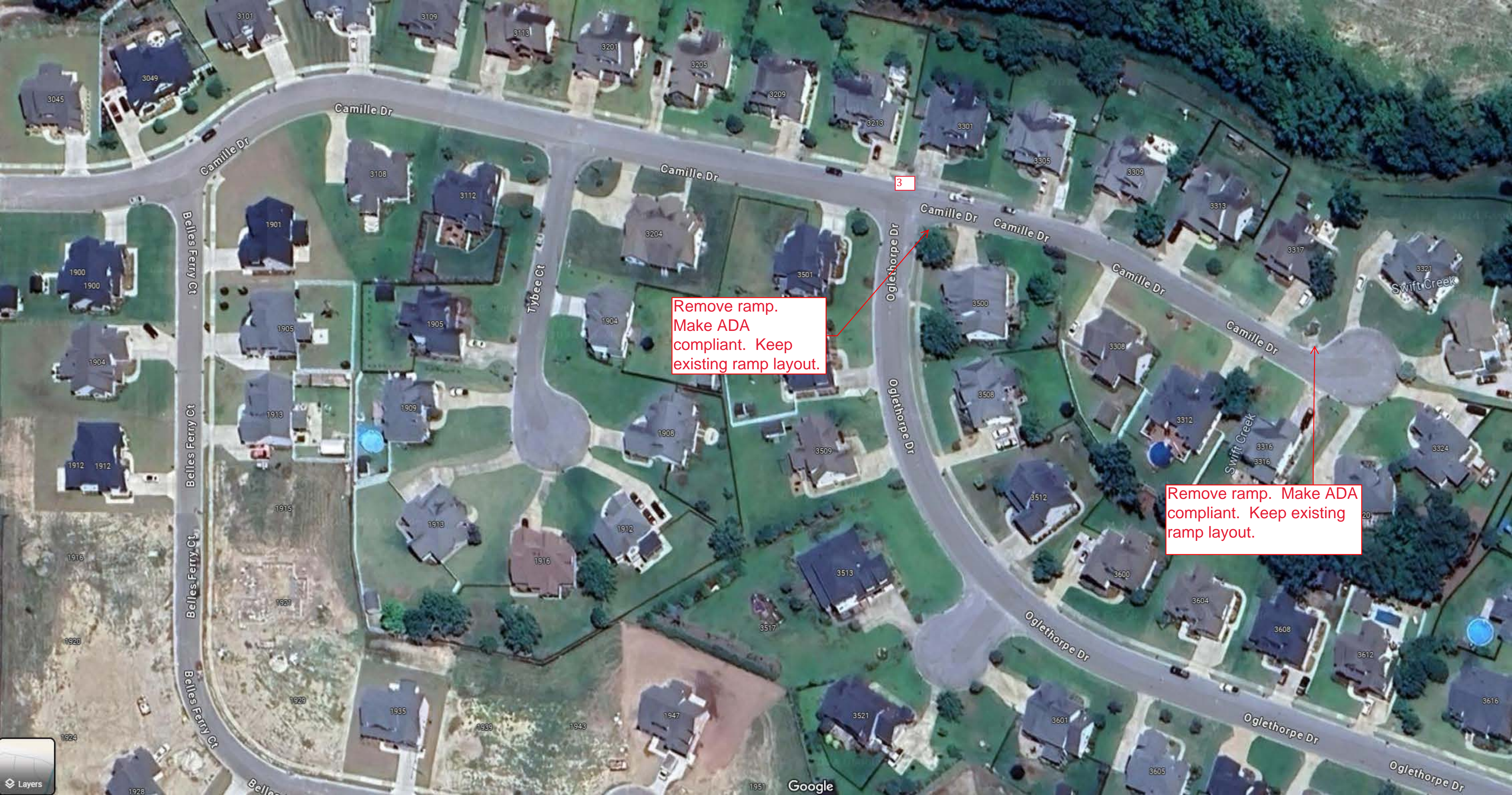
Install new  
Type 3.

1M

1M

1M



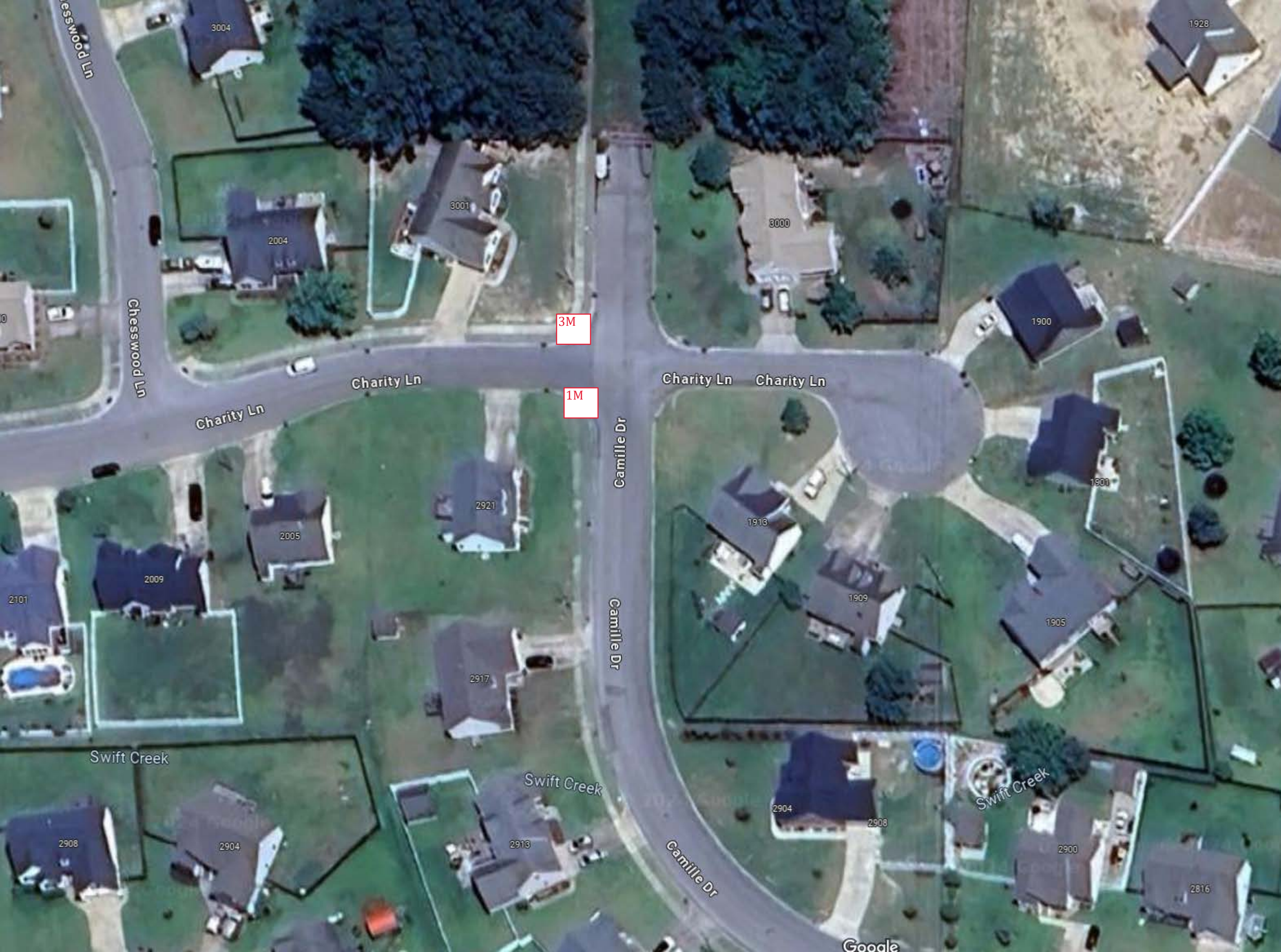


Remove ramp.  
Make ADA  
compliant. Keep  
existing ramp layout.

Remove ramp. Make ADA  
compliant. Keep existing  
ramp layout.







Chesswood Ln

3004

1928

3001

2004

3000

1900

3M

Chesswood Ln

Charity Ln

Charity Ln

Charity Ln

Charity Ln

1M

Camille Dr

2921

2005

1913

1901

2009

1909

1905

2101

2917

Swift Creek

Swift Creek

Swift Creek

2908

2904

2913

2904

2908

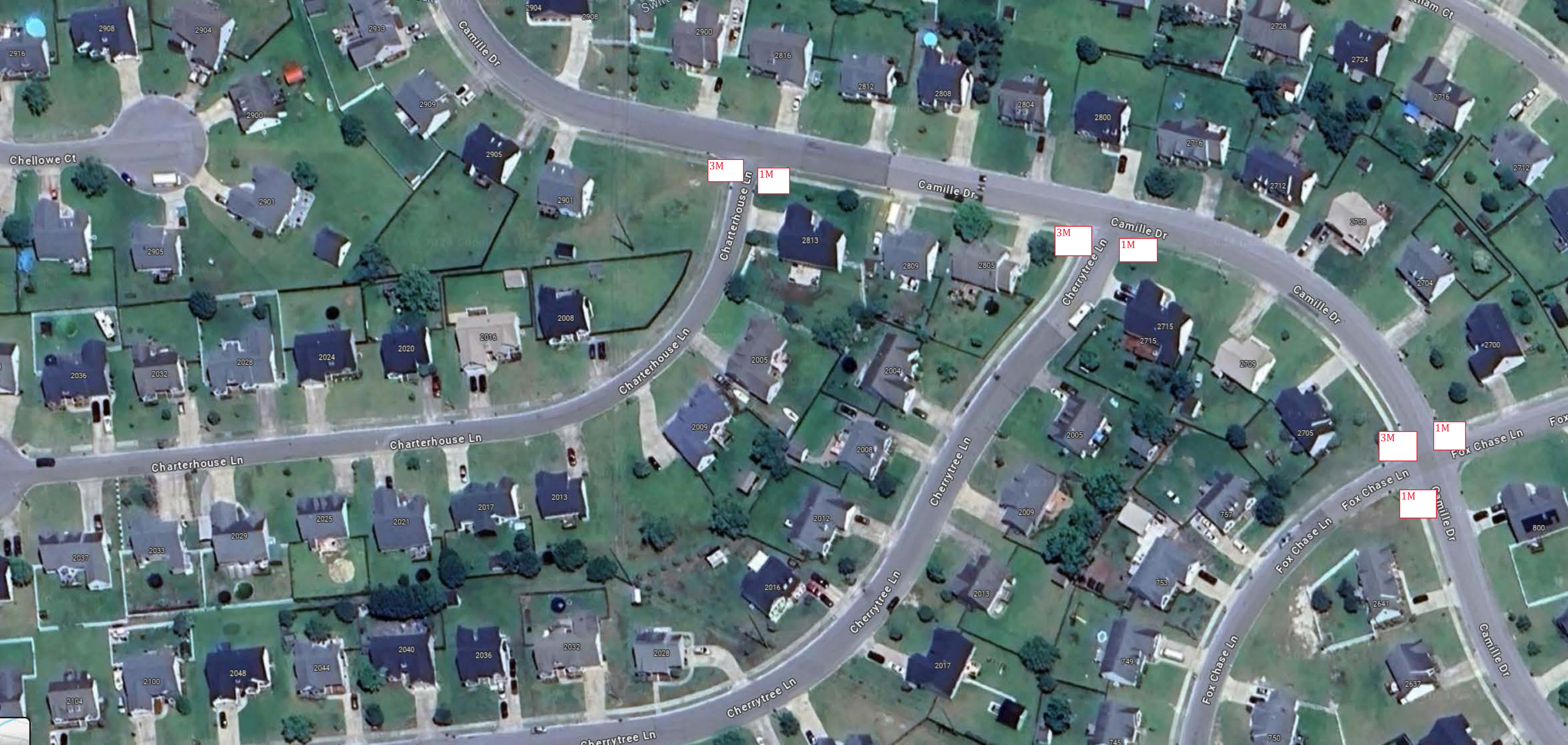
2900

2816

Camille Dr

Google





3M

1M

3M

1M

3M

1M

1M





Remove ramp. Make  
ADA compliant. Keep  
existing ramp layout.

Relocate ramp slightly  
to align with opposing  
ramp.

1M

3

1M

3

1M





3

Remove ramp.  
Make ADA  
compliant. Keep  
existing ramp  
layout.

1M

Remove ramp.  
Make ADA  
compliant. Keep  
existing ramp  
layout.

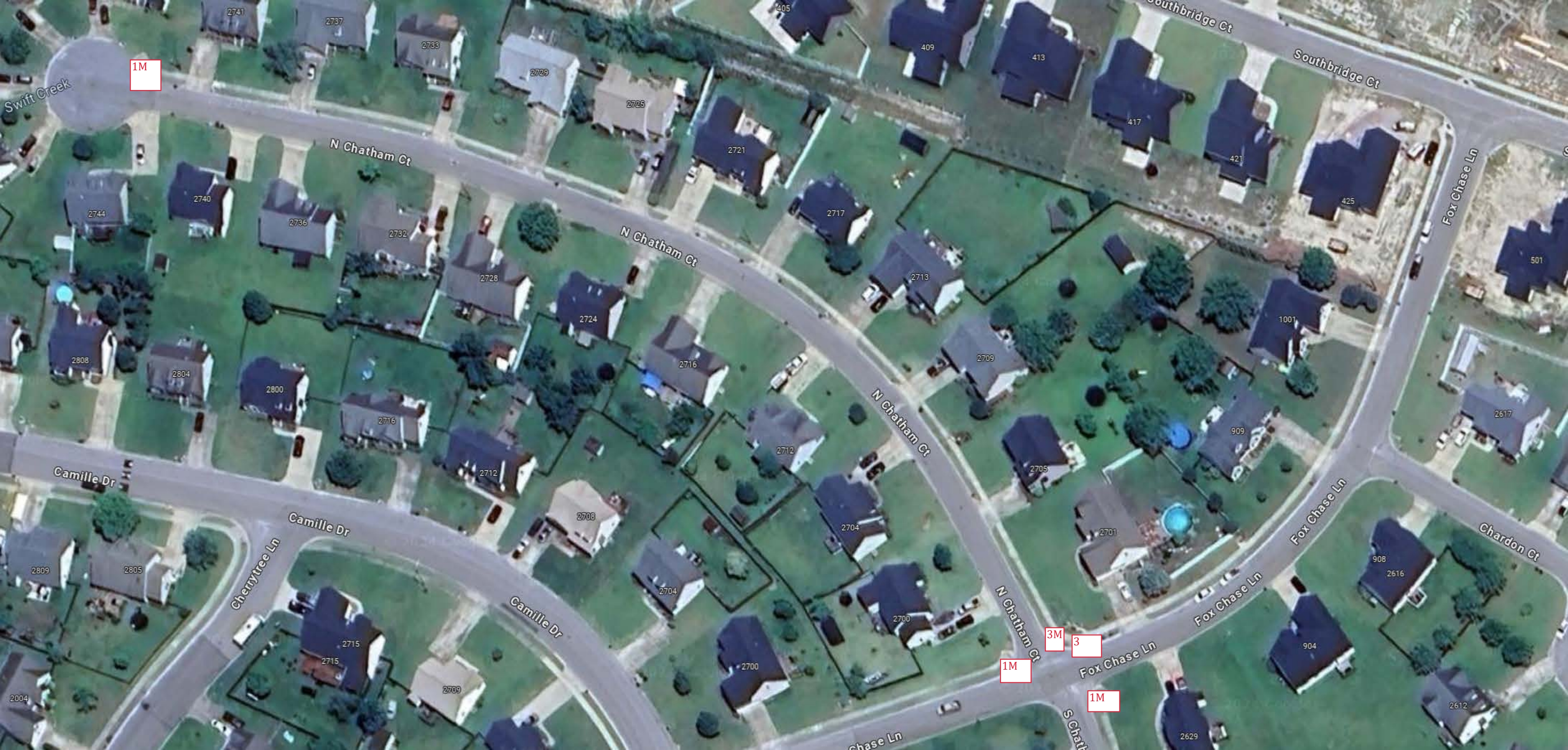
1M

1M

1M

1





1M

3M

3

1M

1M









E Fire Tower Rd

1708

Bayswater Rd

Bridge Ct

Bridge Ct

Fork Swamp

CHE Mid-Atlantic, Inc  
Hardware store

Bayswater Rd

1M. No  
truncated  
Domes

Champions Gym

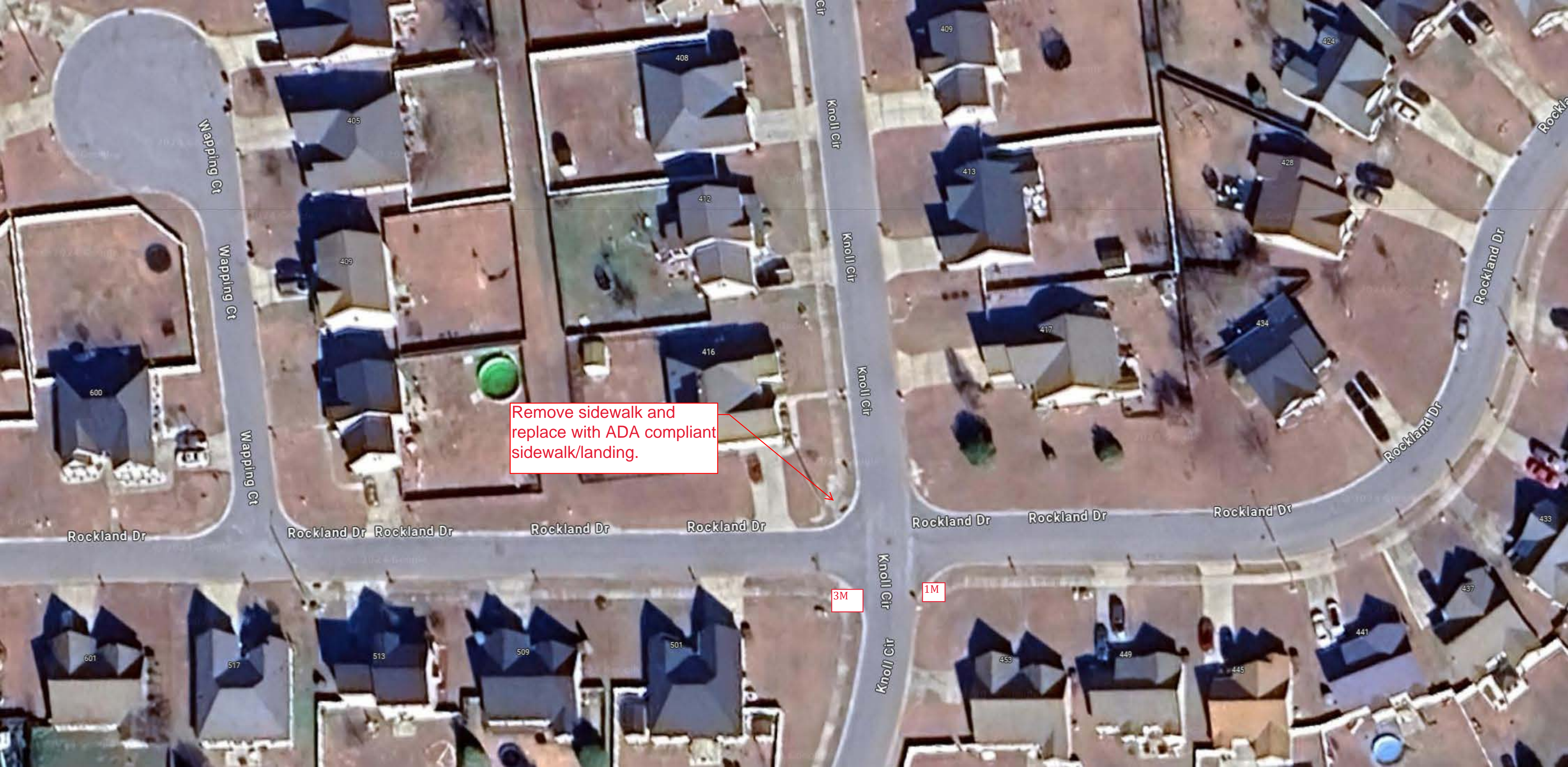
Google

White's Flooring  
& Construction

Fork Swamp

Imagery ©2024 Airbus, Maxar





Remove sidewalk and replace with ADA compliant sidewalk/landing.

3M

1M





Remove sidewalk  
and replace with  
ADA compliant  
sidewalk/landing.

Remove sidewalk  
and replace with  
ADA compliant  
sidewalk/landing.

1M







## EXHIBIT A

Replace with  
Type 2B.

Remove existing ramp  
and replace with sidewalk  
and curb.









Threads  
m t-shirt store

Carolina  
Plumbing Supply  
Plumbing supply store

Hardy Auto Group  
Used car dealer

1M

1M

2B

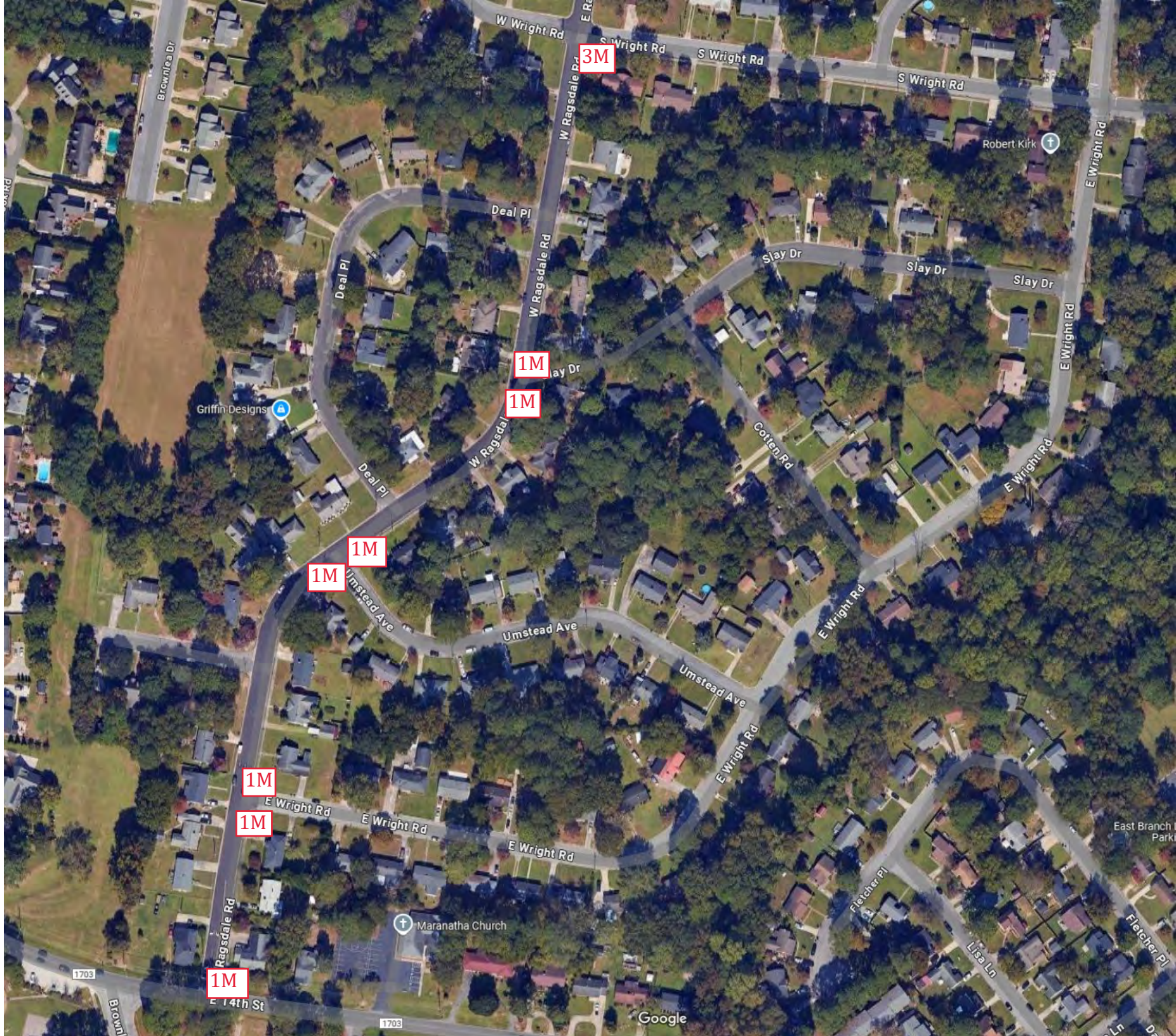
2B

2B

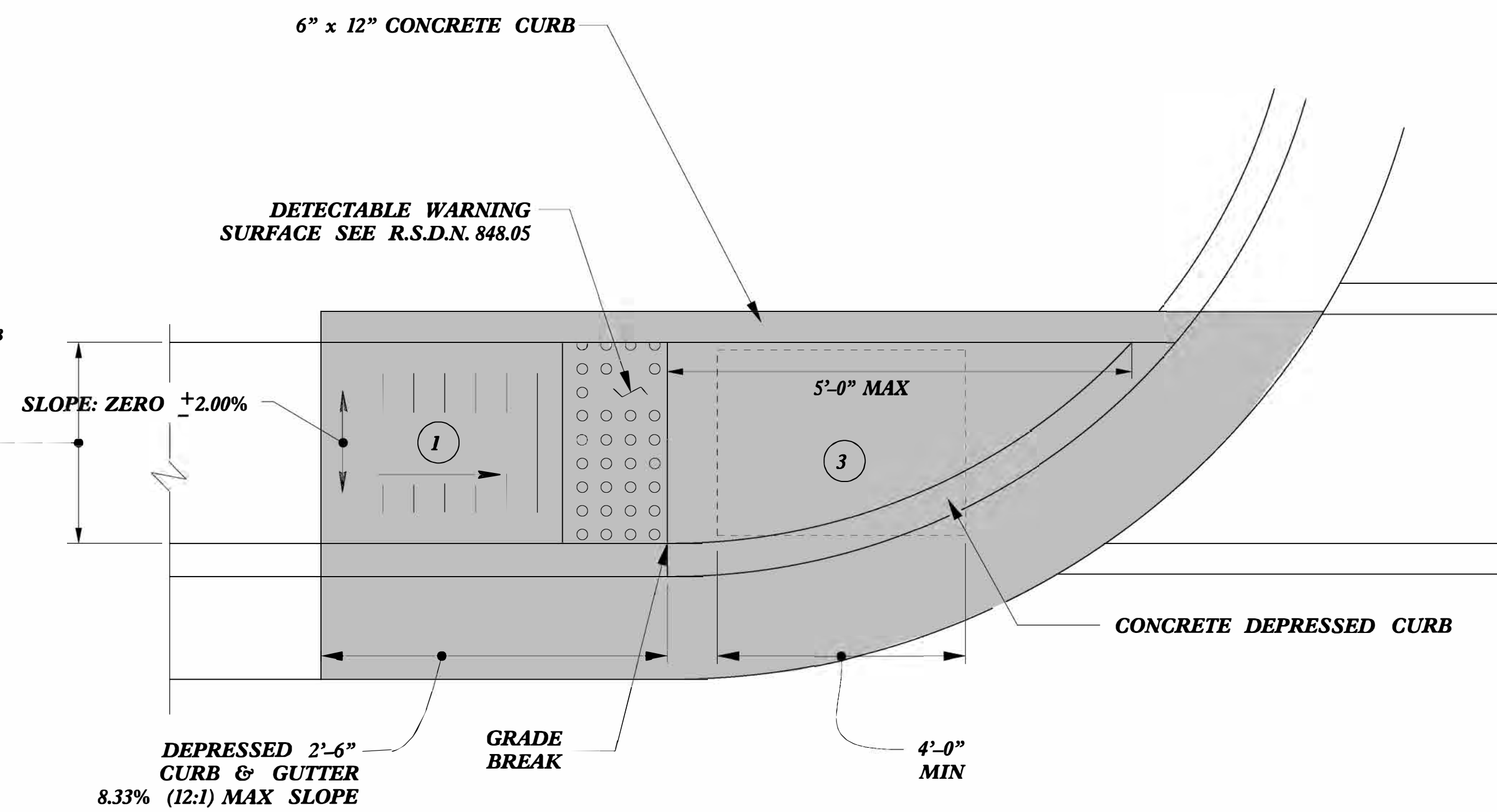
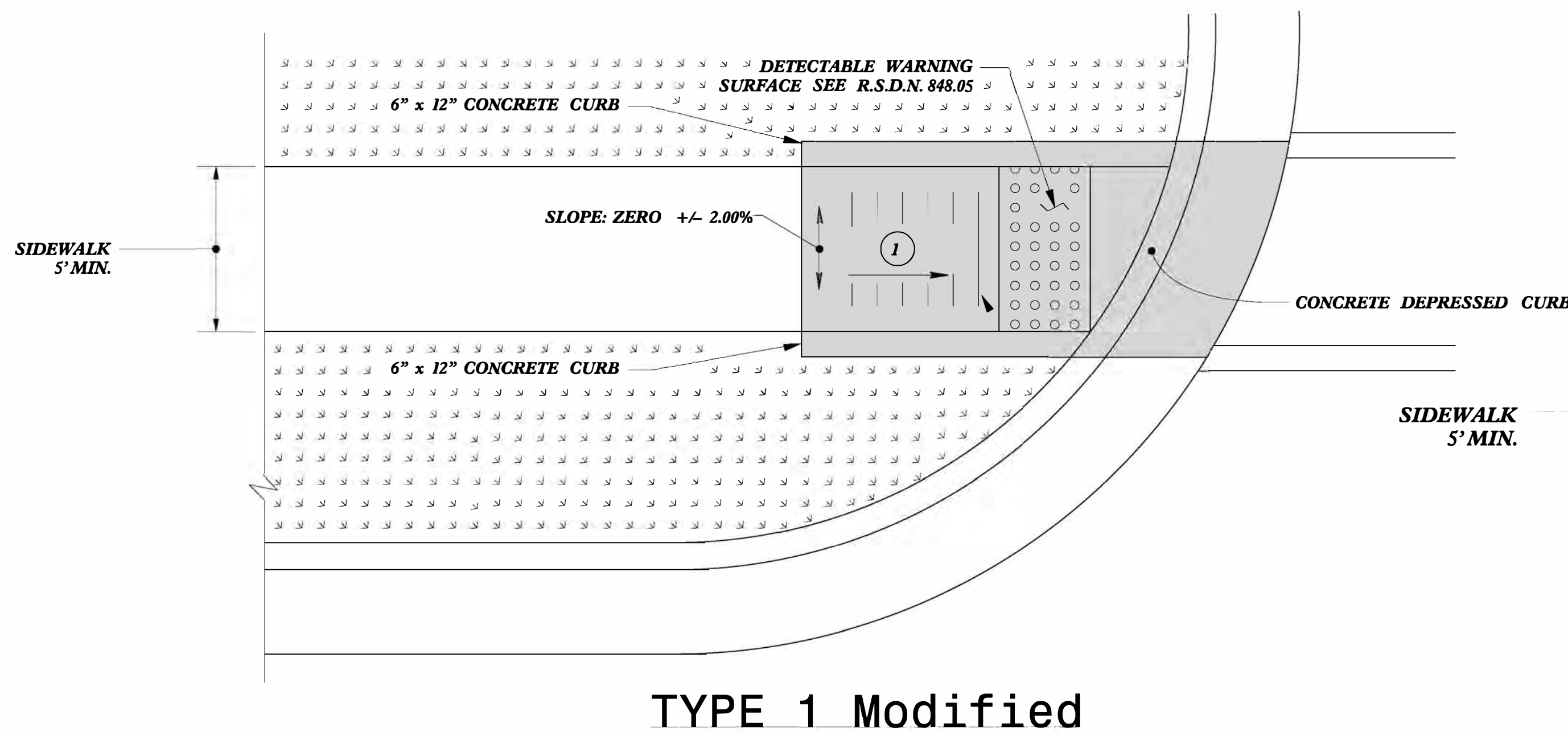
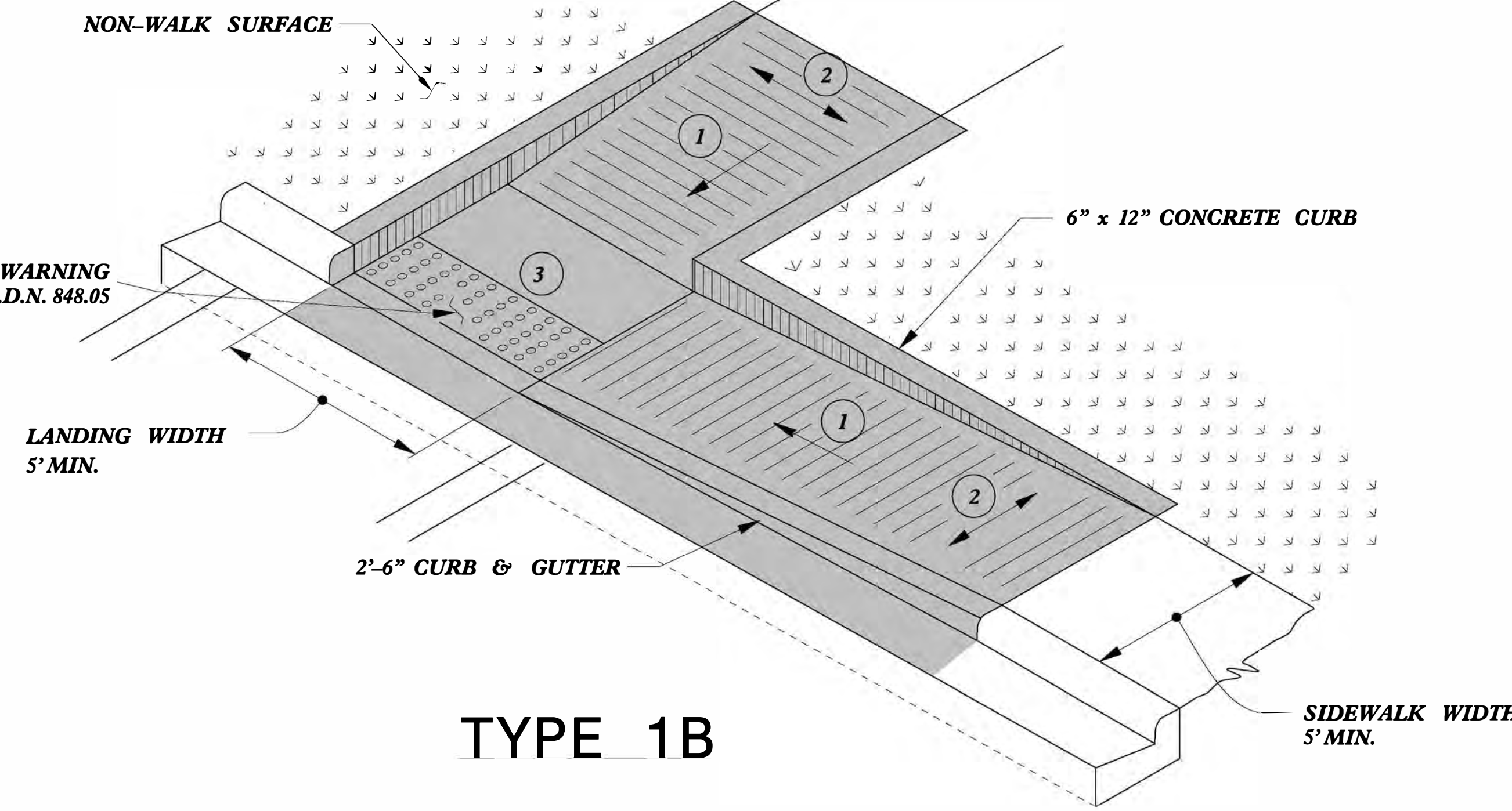
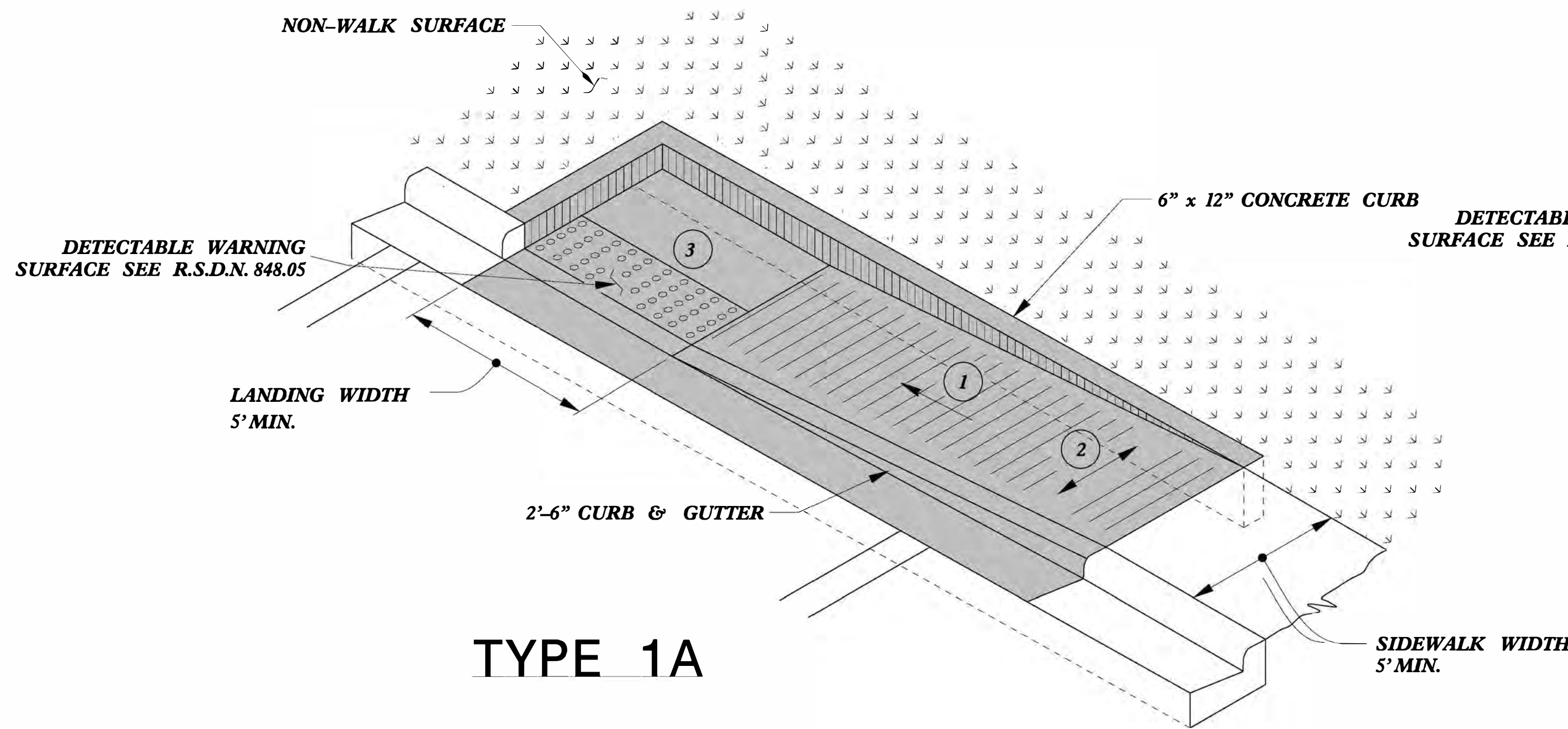
2B

Google





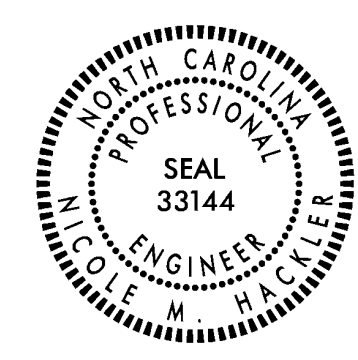




- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 CURB RAMPS REQUIRE A (4'-0") MINIMUM LANDING WITH A MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00% WHERE PEDESTRIANS PERFORM TURNING MANEUVERS. SLOPE TO DRAIN TO CURB.

PAY LIMITS FOR 1 CURB RAMP

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



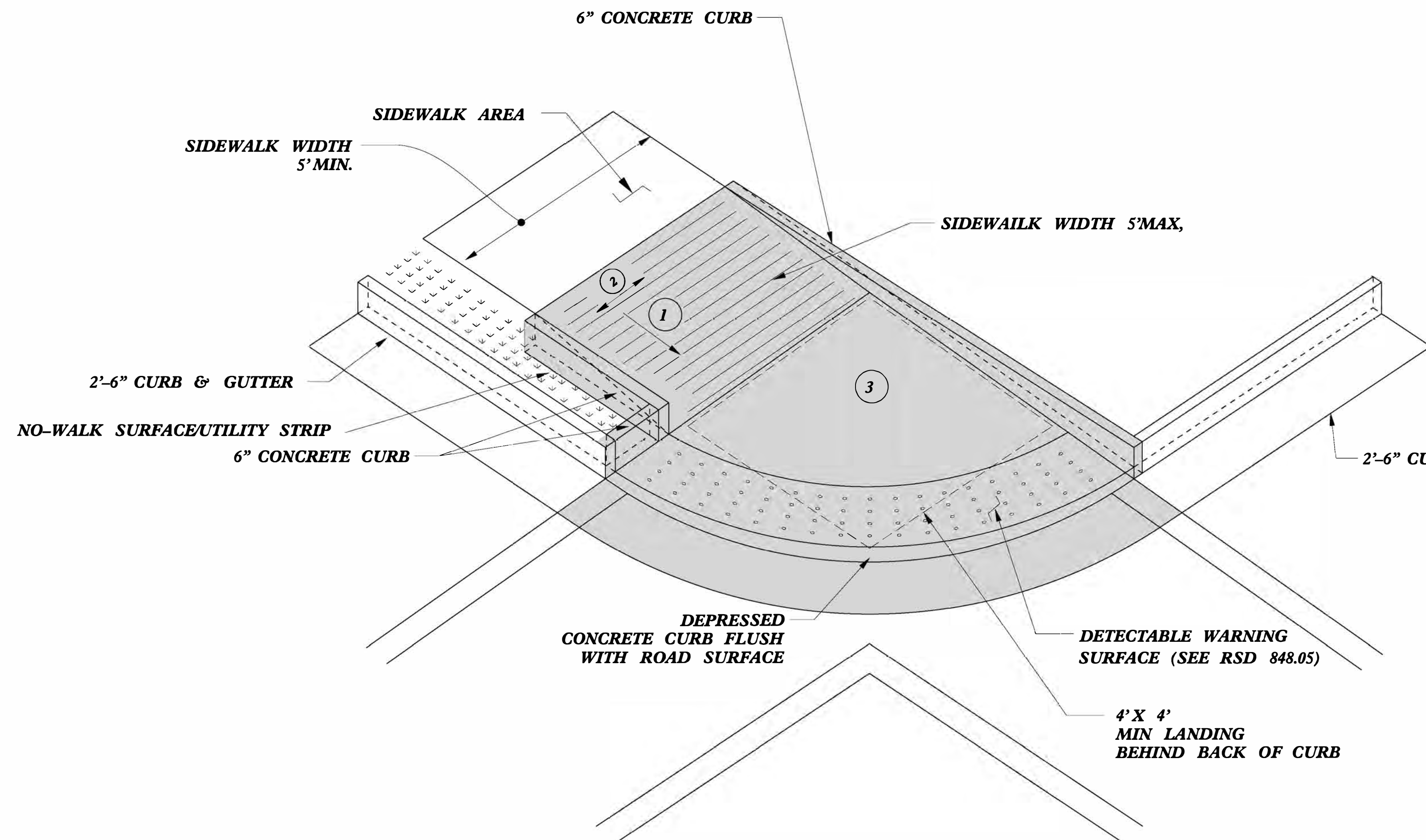
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AND DEVELOPMENT UNIT**  
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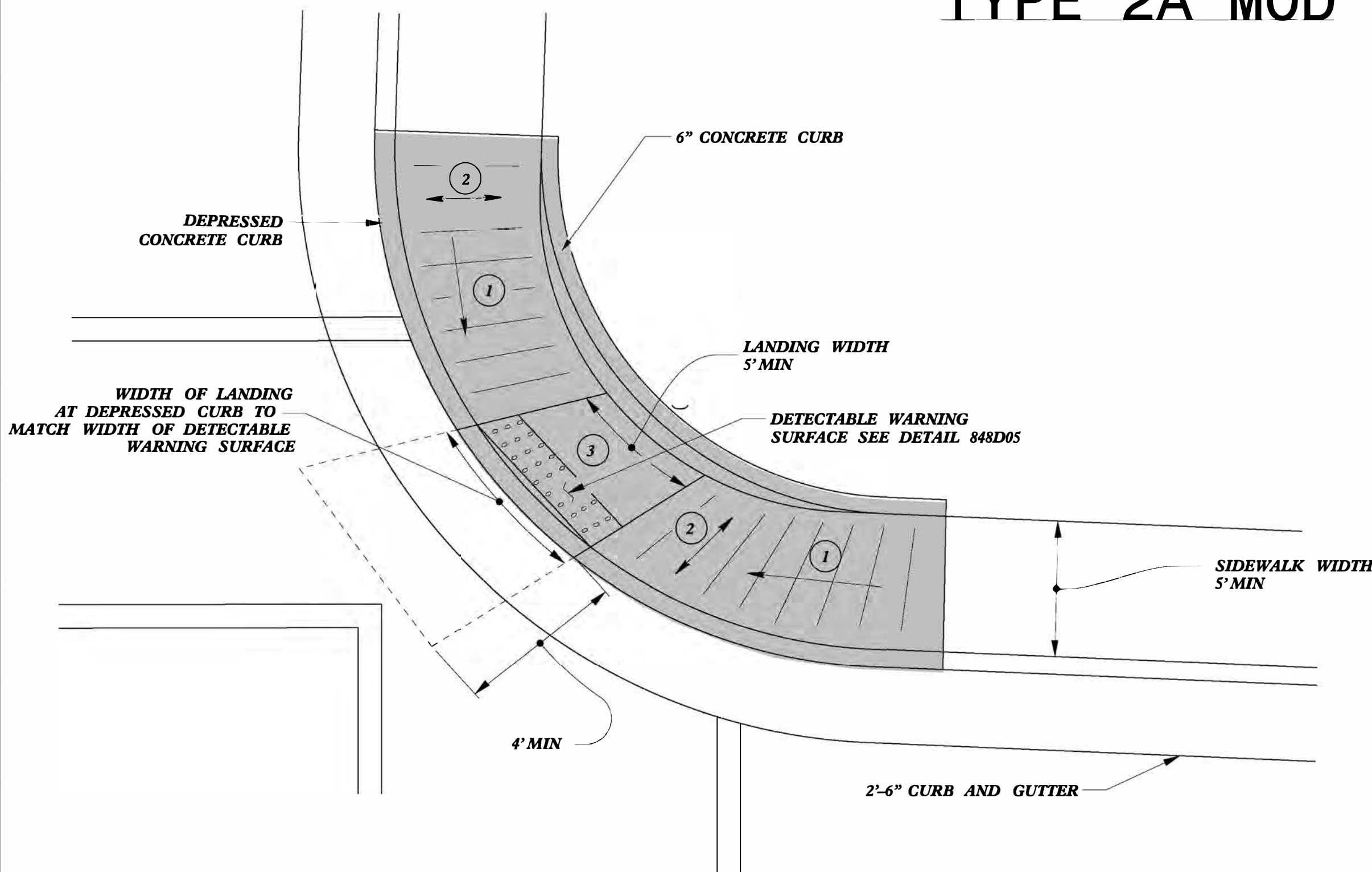
**CURB RAMPS**  
Directional Ramps

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

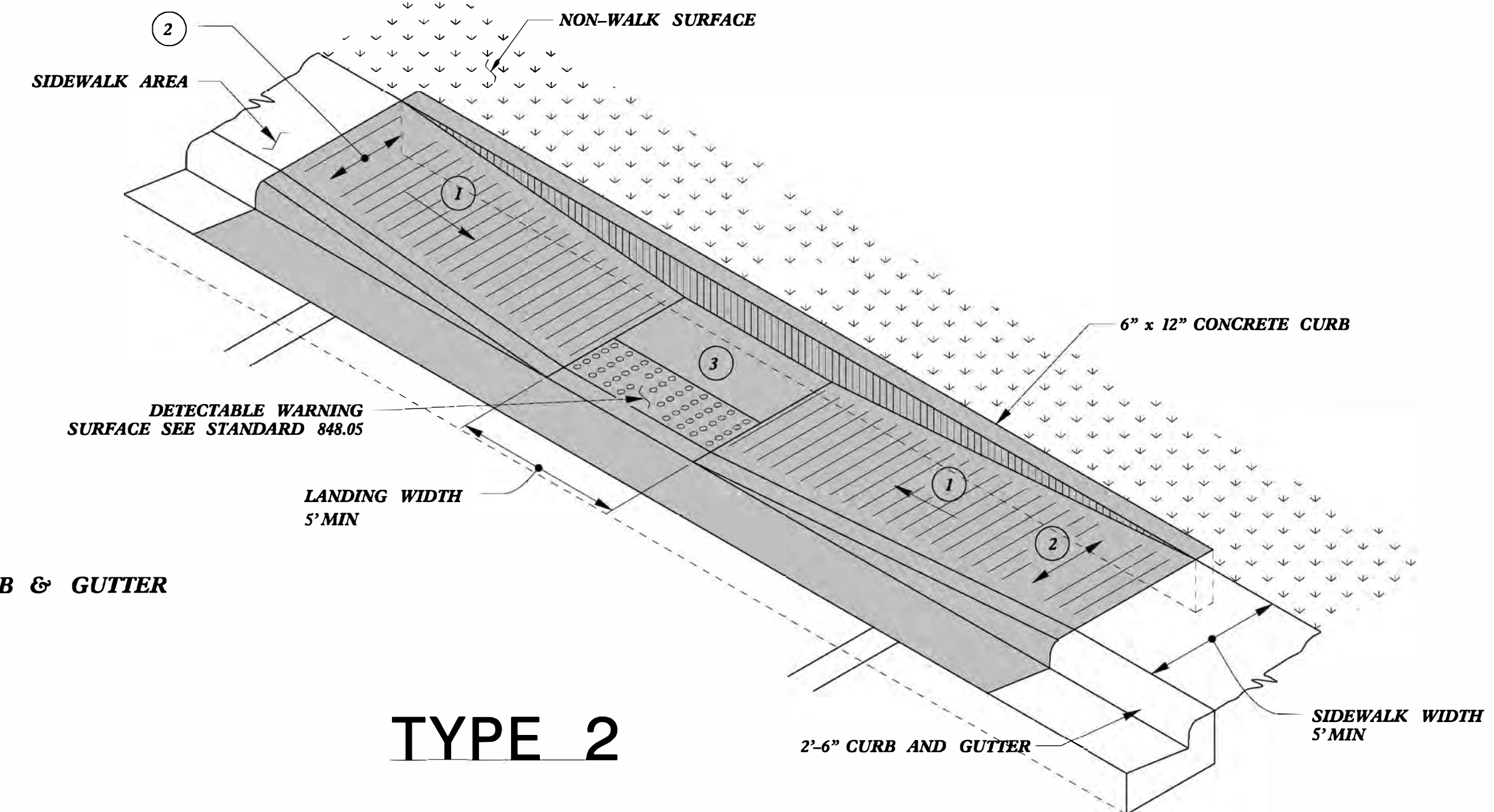




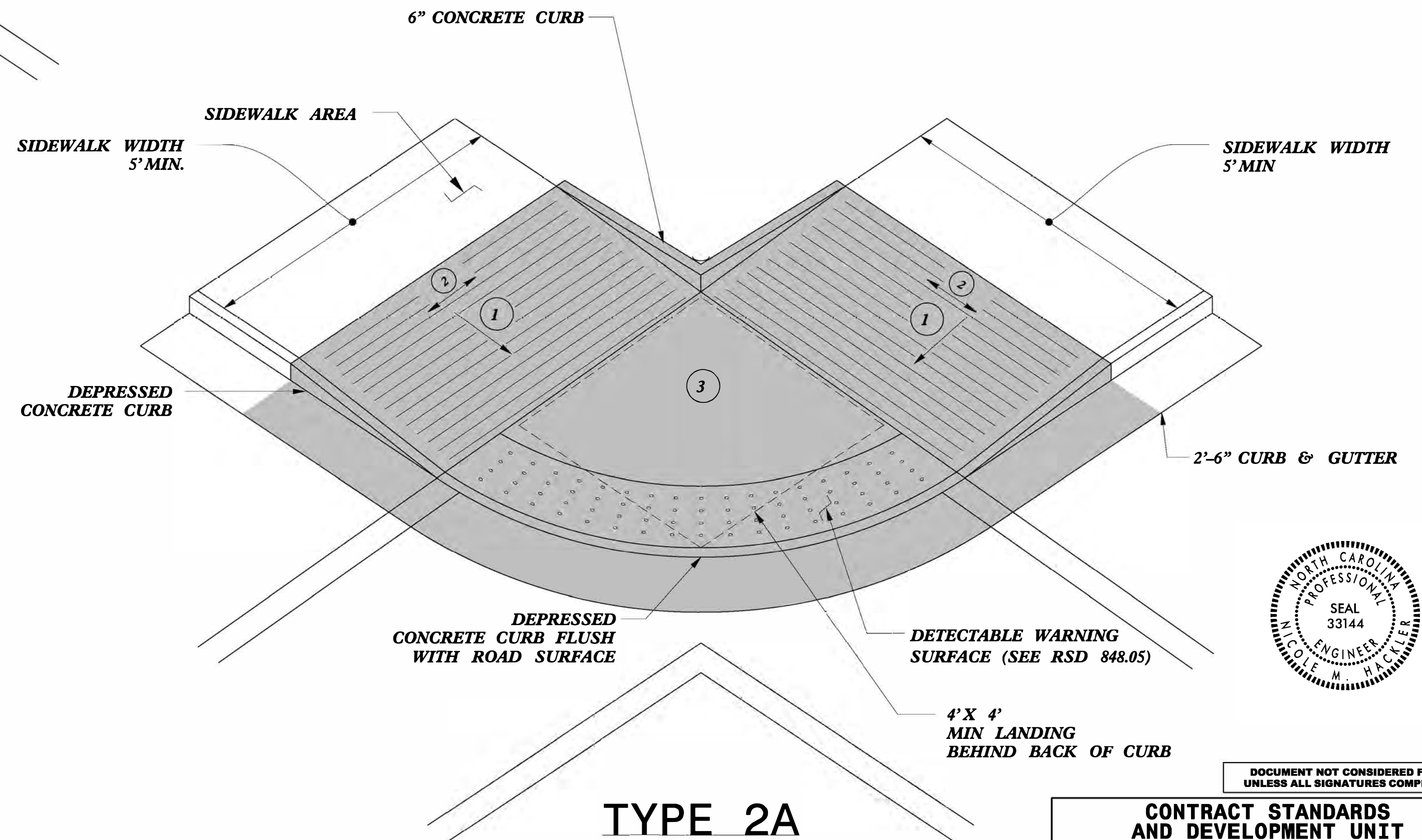
TYPE 2A MOD



TYPE 2B



TYPE 2



TYPE 2A

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

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AND DEVELOPMENT UNIT  
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CURB RAMPS

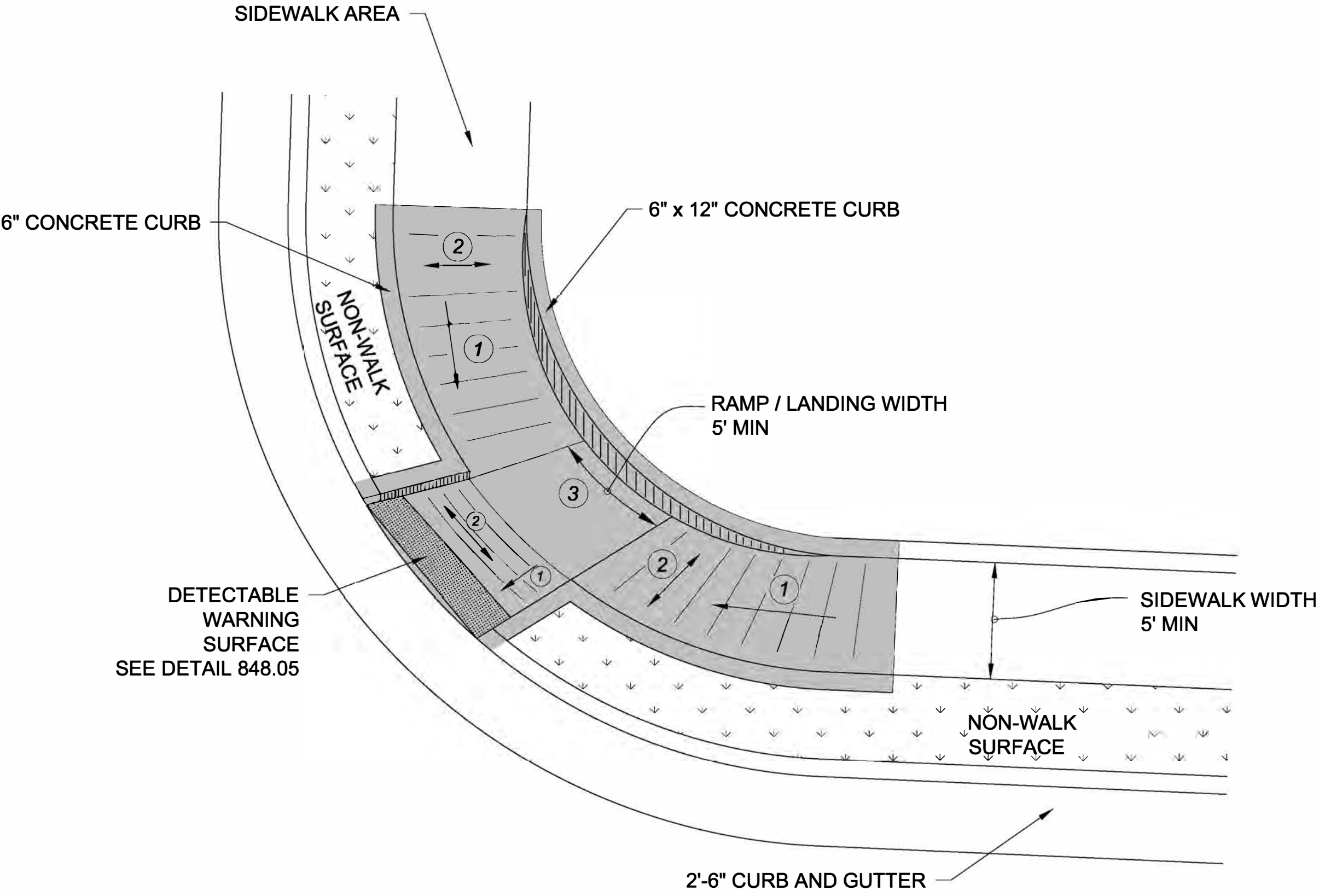
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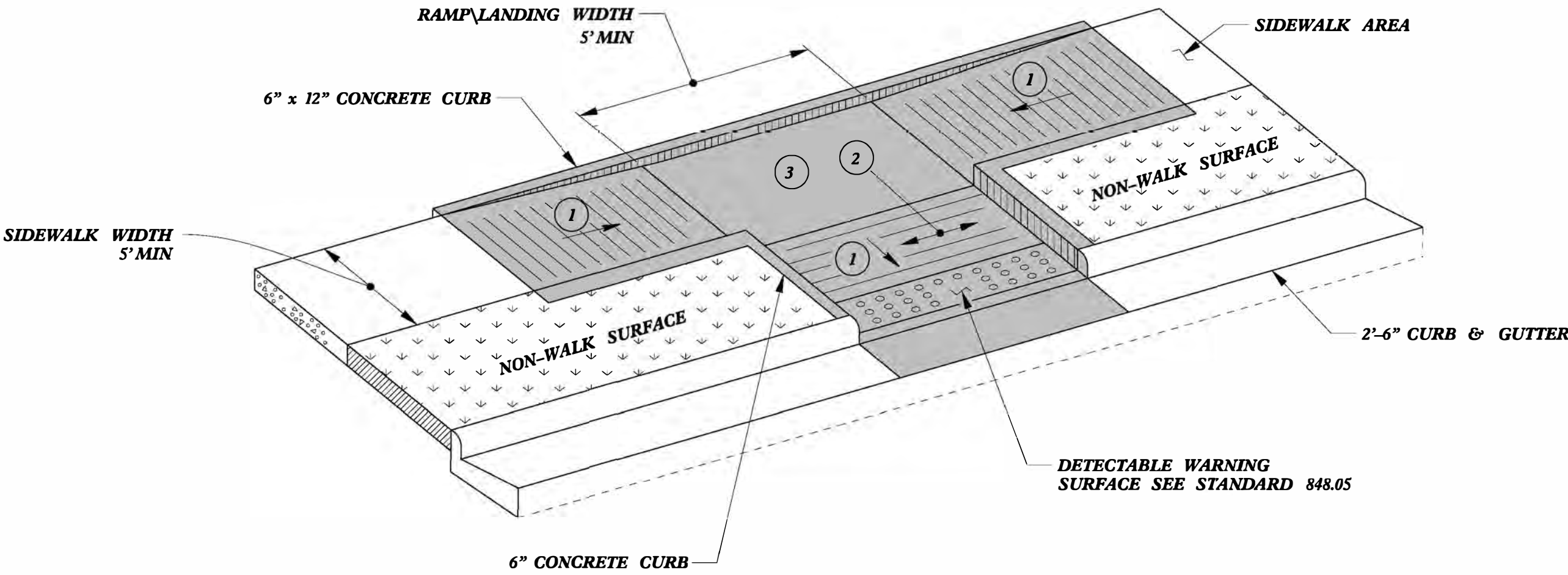
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PROJECT REFERENCE NO.	SHEET NO.

PAY LIMITS FOR 1 CURB RAMP

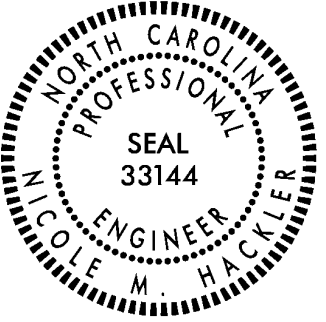


TYPE 3 MODIFIED  
INSTALLATION IN A RADIUS



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.



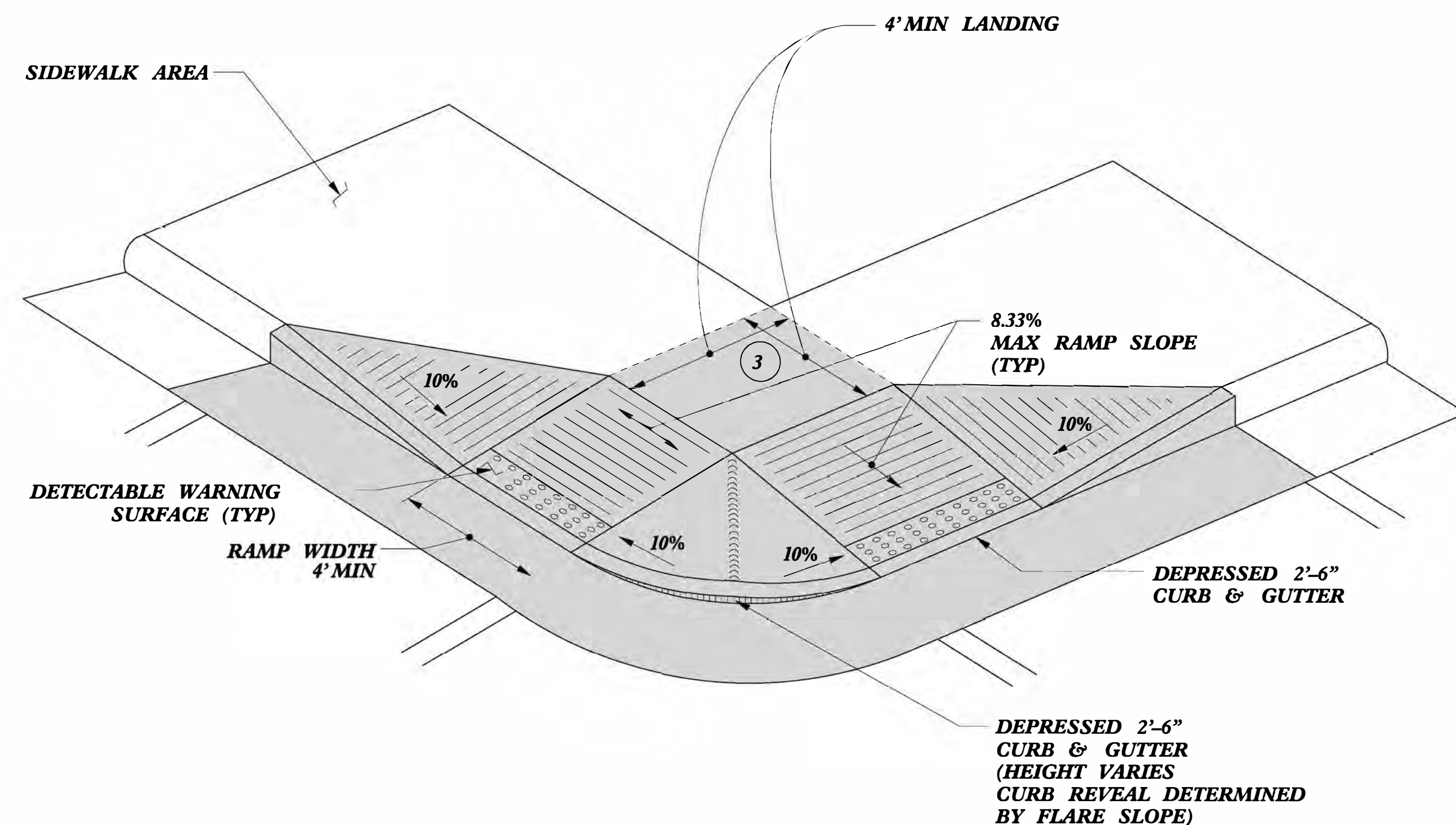
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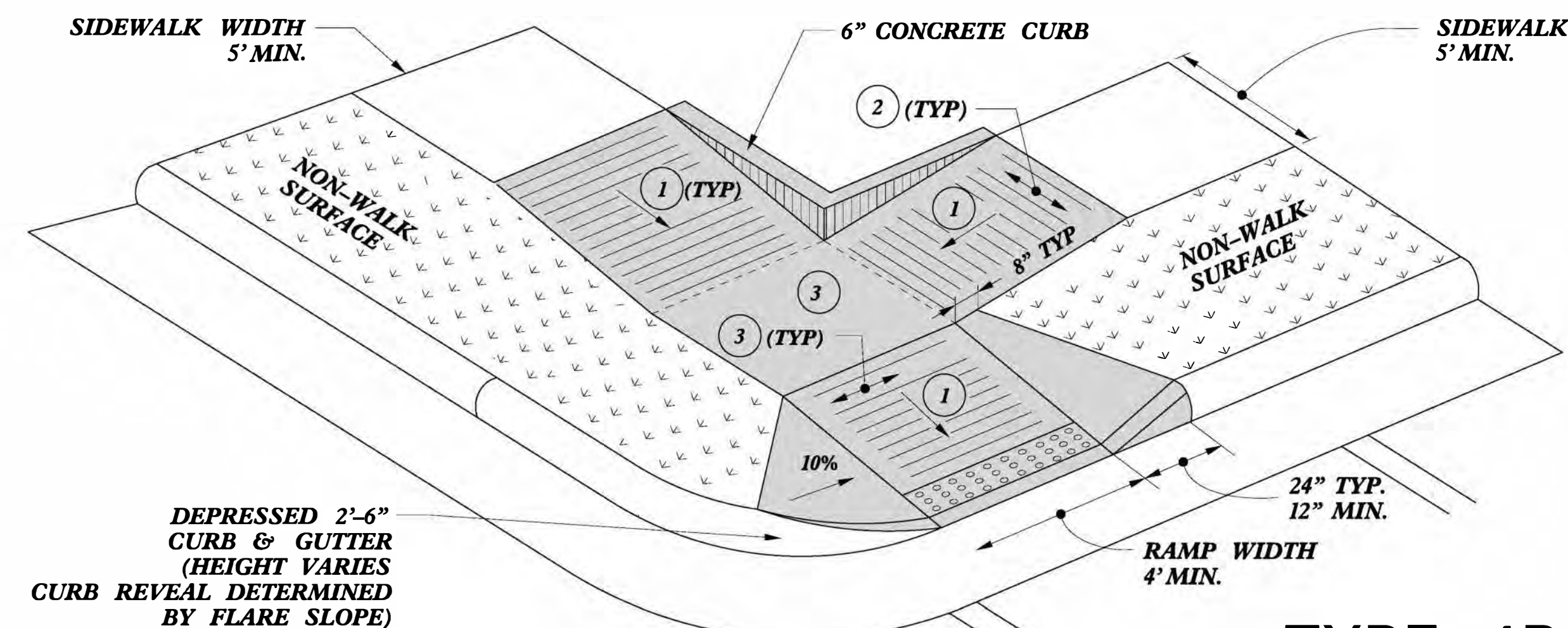
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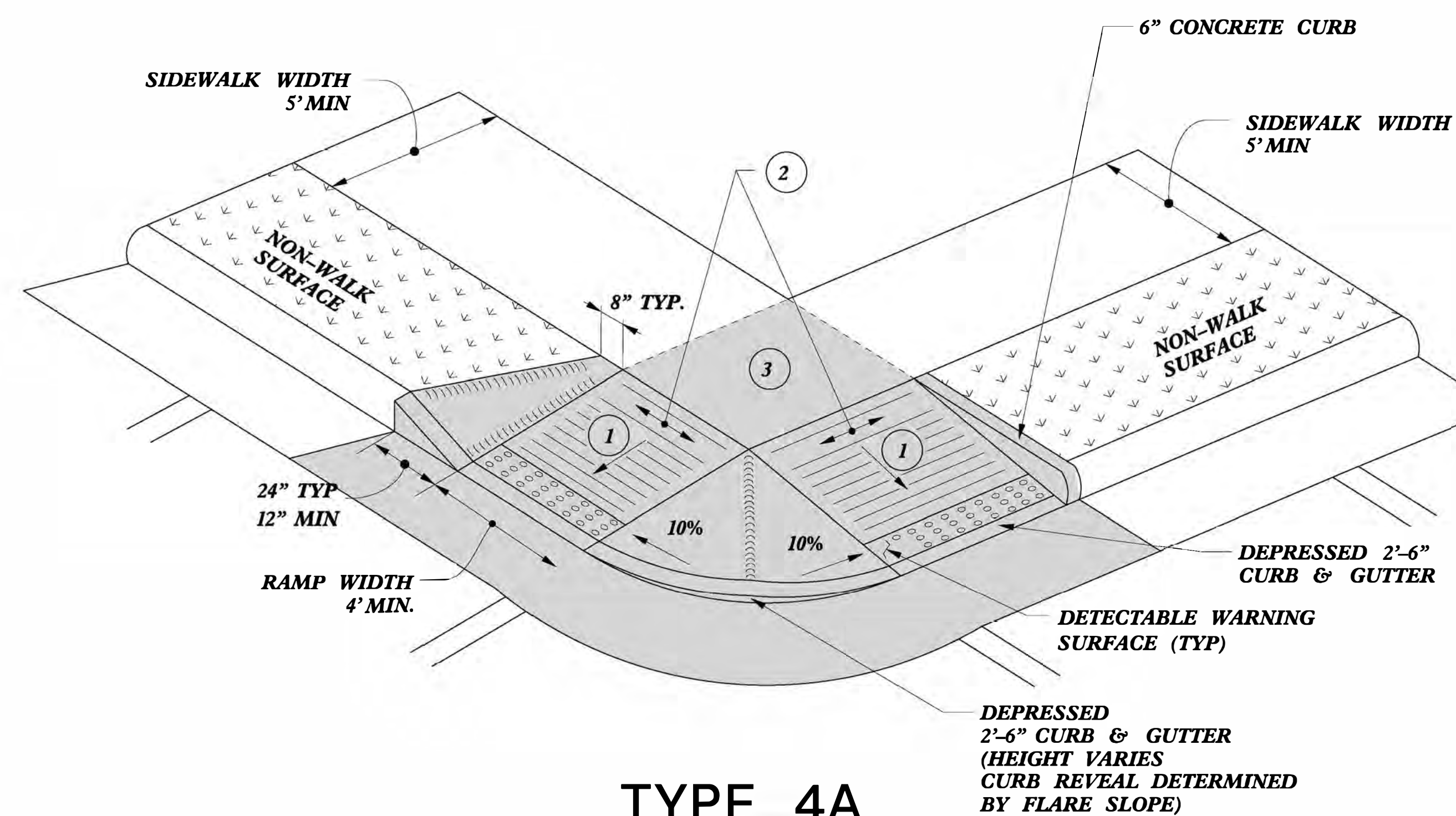




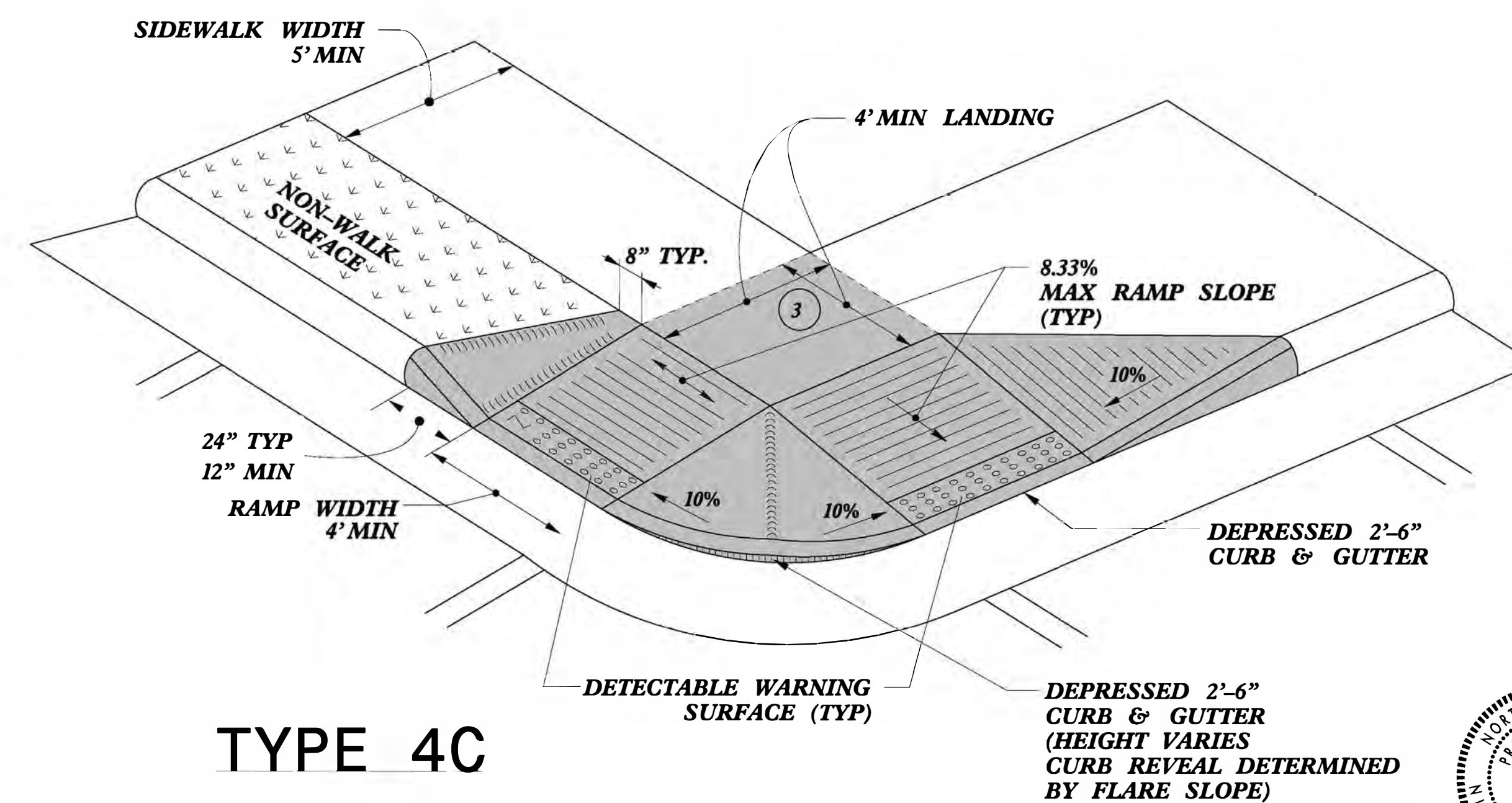
## TYPE 4



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.



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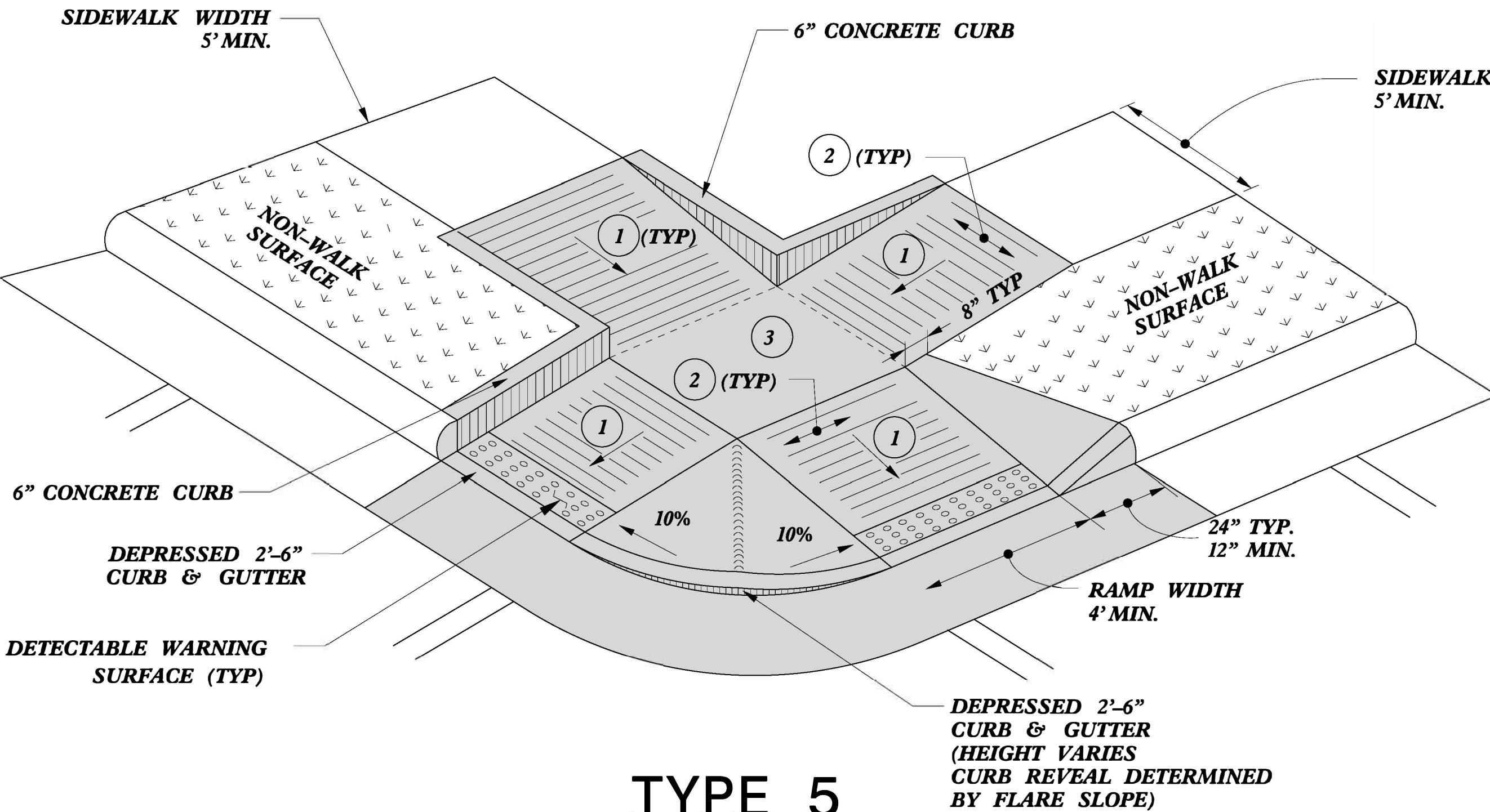
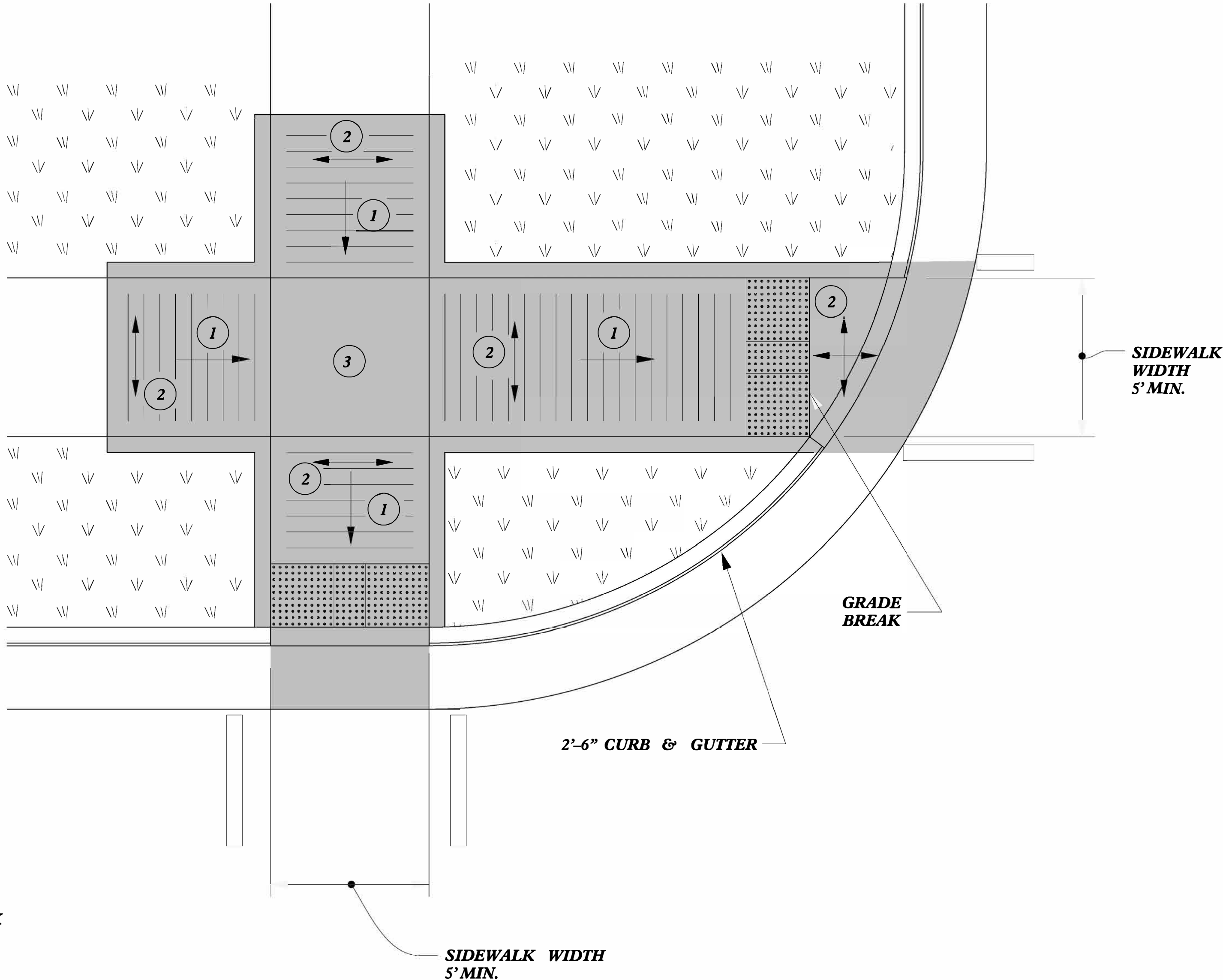
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**REFER TO ROADWAY STANDARD DRAWING NUMBER 848.05 SHEET 3 OF 3 FOR ALL RAMP NOTES**



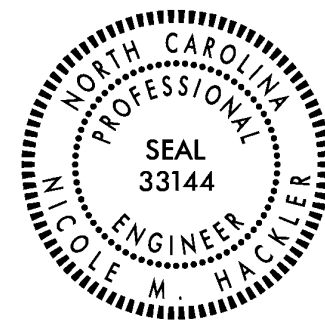
PAY LIMITS FOR 1 OR 2 CURB RAMPS  
(CALCULATE BASED ON NUMBER OF SETS  
OF TRUNCATED DOMES)



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.



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

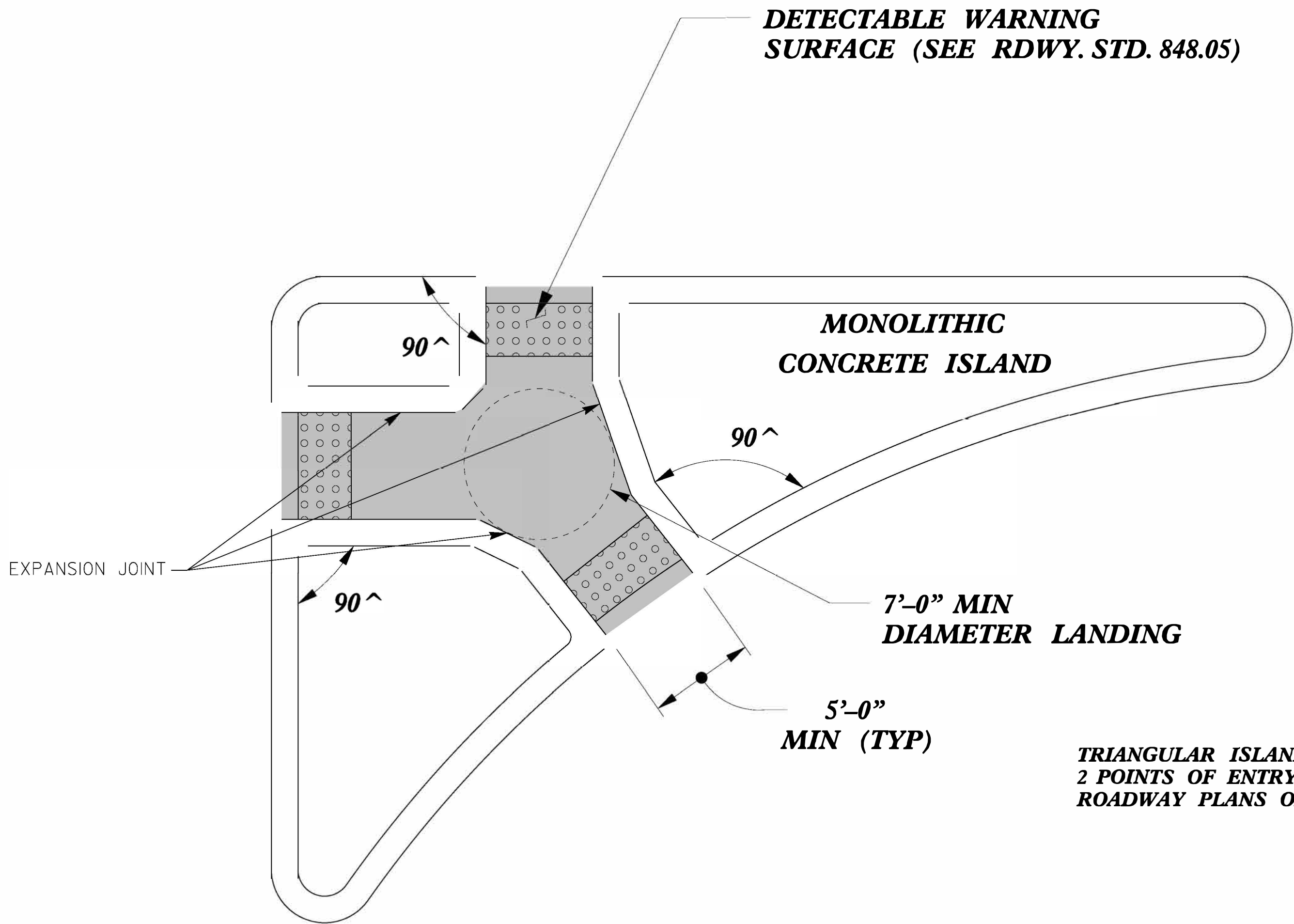
**CURB RAMPS**

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

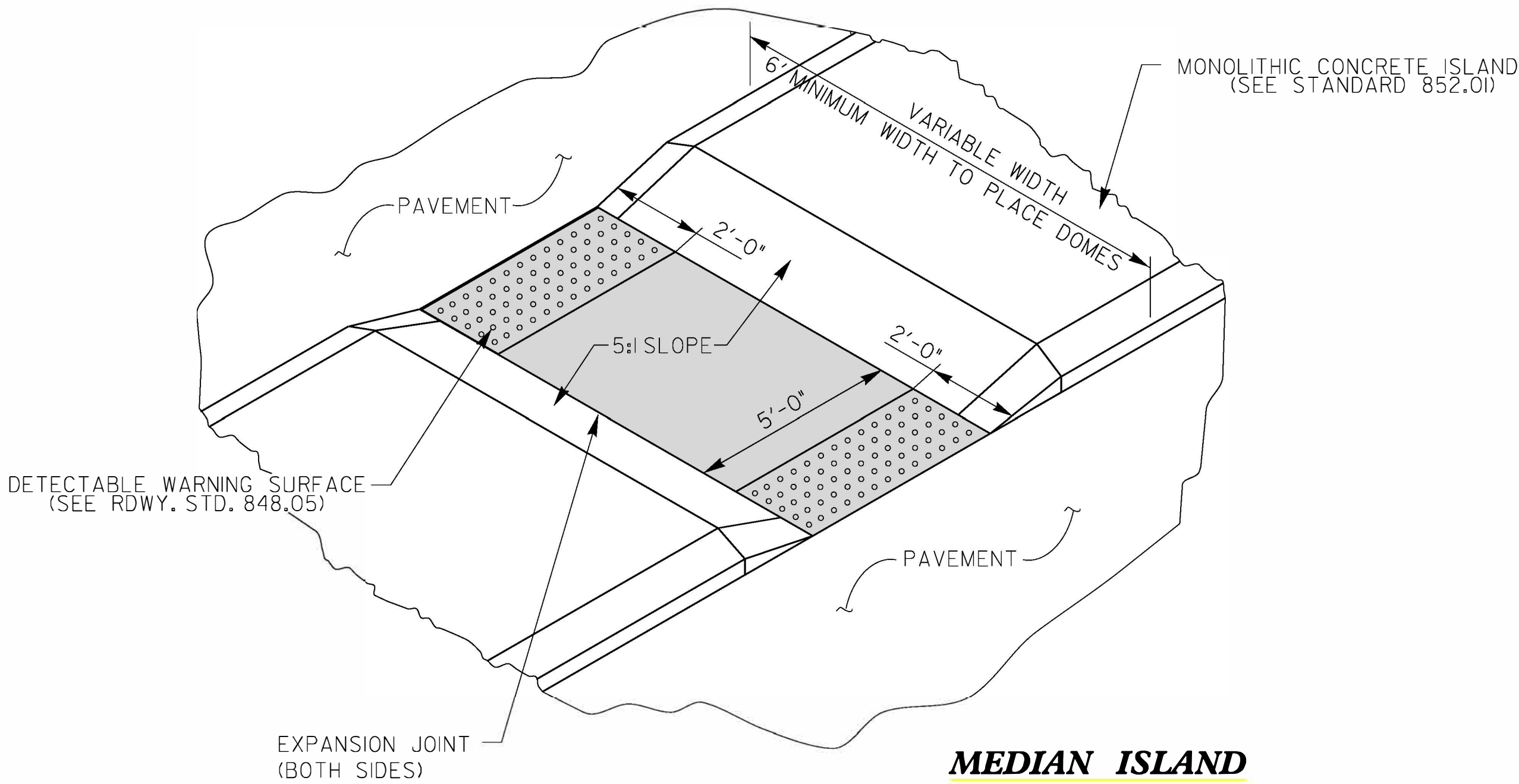


PAY LIMITS FOR 2 OR 3 CURB RAMPS  
(CALCULATE BASED ON NUMBER OF  
SETS OF TRUNCATED DOMES)

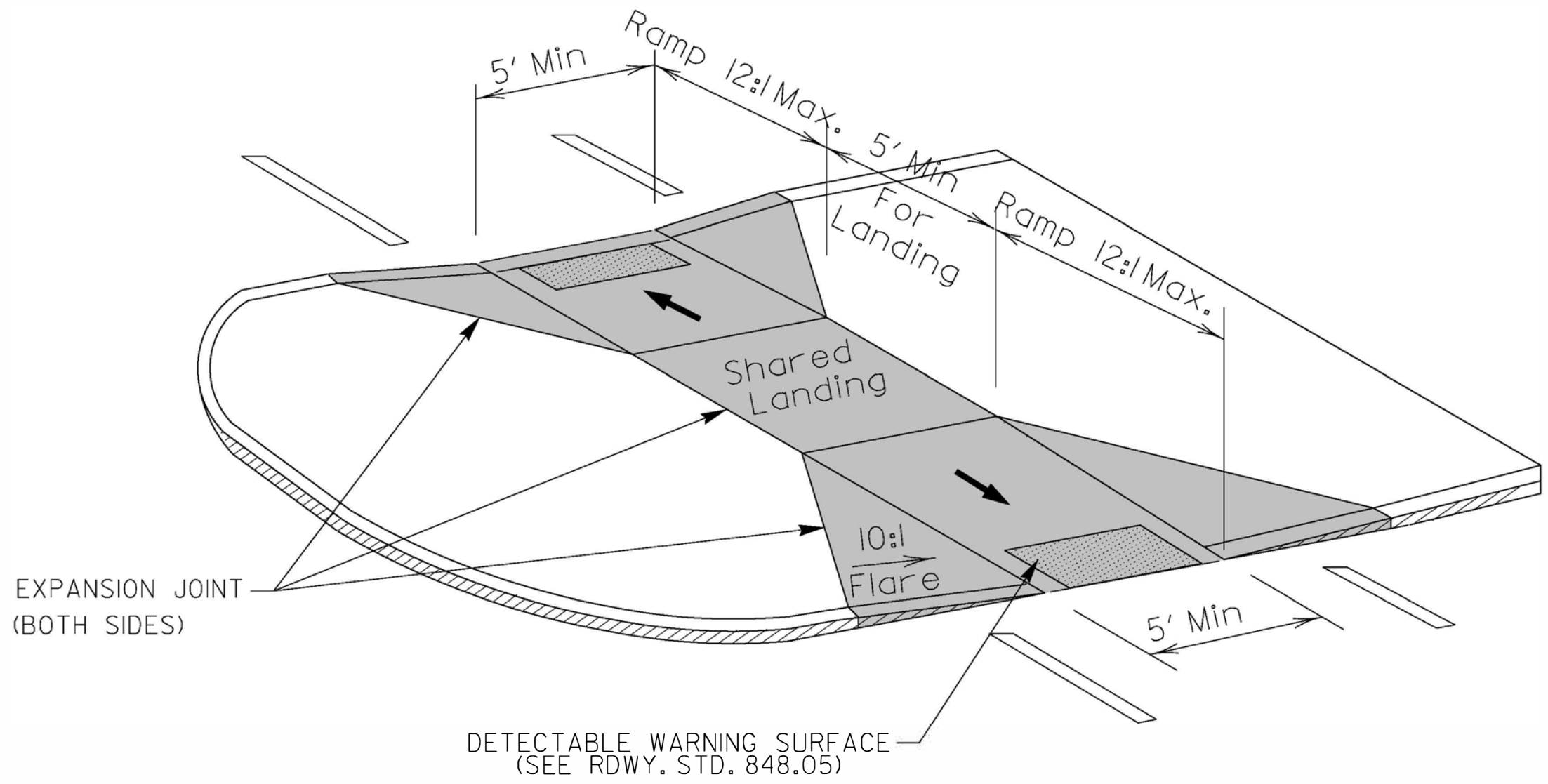


TRIANGULAR ISLANDS MAY BE CONSTRUCTED WITH ONLY  
2 POINTS OF ENTRY AND EXIT AS SHOWN IN THE  
ROADWAY PLANS OR AS DIRECTED BY THE ENGINEER.

**TRIANGULAR ISLAND  
WITH CUT THROUGH  
TYPE 6**

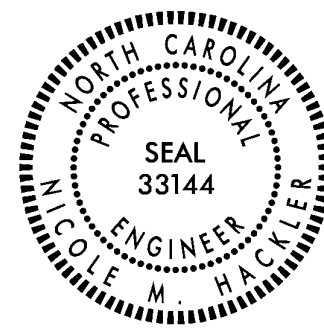


**MEDIAN ISLAND  
WITH CUT THROUGH  
TYPE 7**



**MEDIAN ISLAND  
TYPE 8**

**CURB RAMPS**



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
<b>CONTRACT STANDARDS AND DEVELOPMENT UNIT</b> Office 919-707-6950 FAX 919-250-4119	
<b>CURB RAMPS</b> 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	

Appendix C Maps

GUC VALVES MAPS  
FOR ADJUSTMENT/REPLACE  
2025 REHABILITATION & PRESERVATION  
CONTRACT

APPENDIX C

## **Table of Contents for Valves:**

Bismark Street  
Ellsworth Drive  
Governors Lane  
Liberty Drive  
Middlebury Drive  
Royal Drive  
Summer Place  
Valley Lane  
Valley Place

BISMARCK STREET



6F-140 (replace valve box)  
This valve is in the road

869

BISMARK ST

TRADE ST

510

6F-049 (replace valve box)

BISMARK ST

6F-071 (replace Valve box)

3587

SW GREENVILLE BLVD



ELLSWORTH DRIVE  
(ALTERNATE 1)







GOVERNORS LANE





12K-008 (replace Valve box)



LIBERTY DRIVE

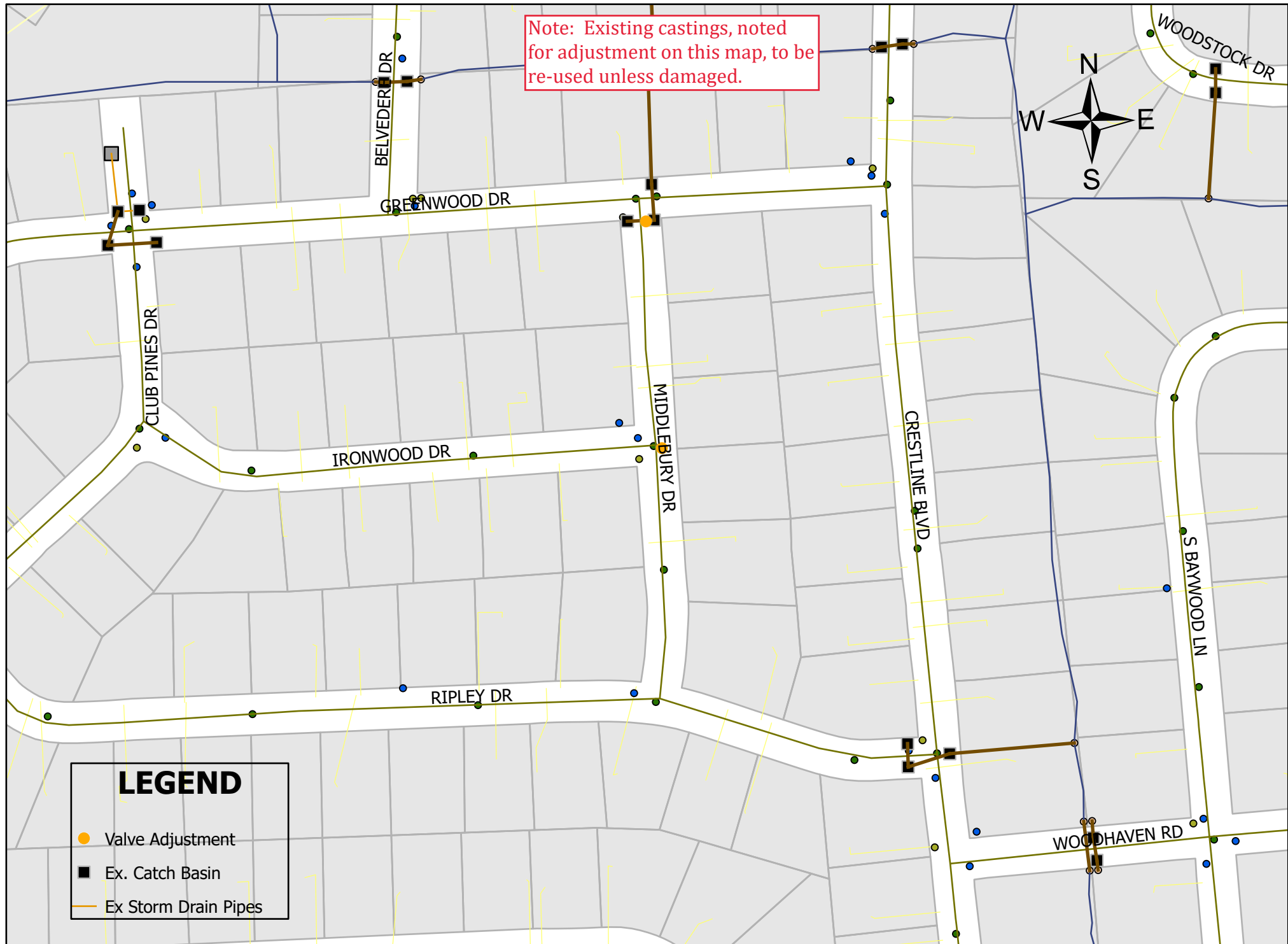






MIDDLEBURY DRIVE  
(ALTERNATE 5)

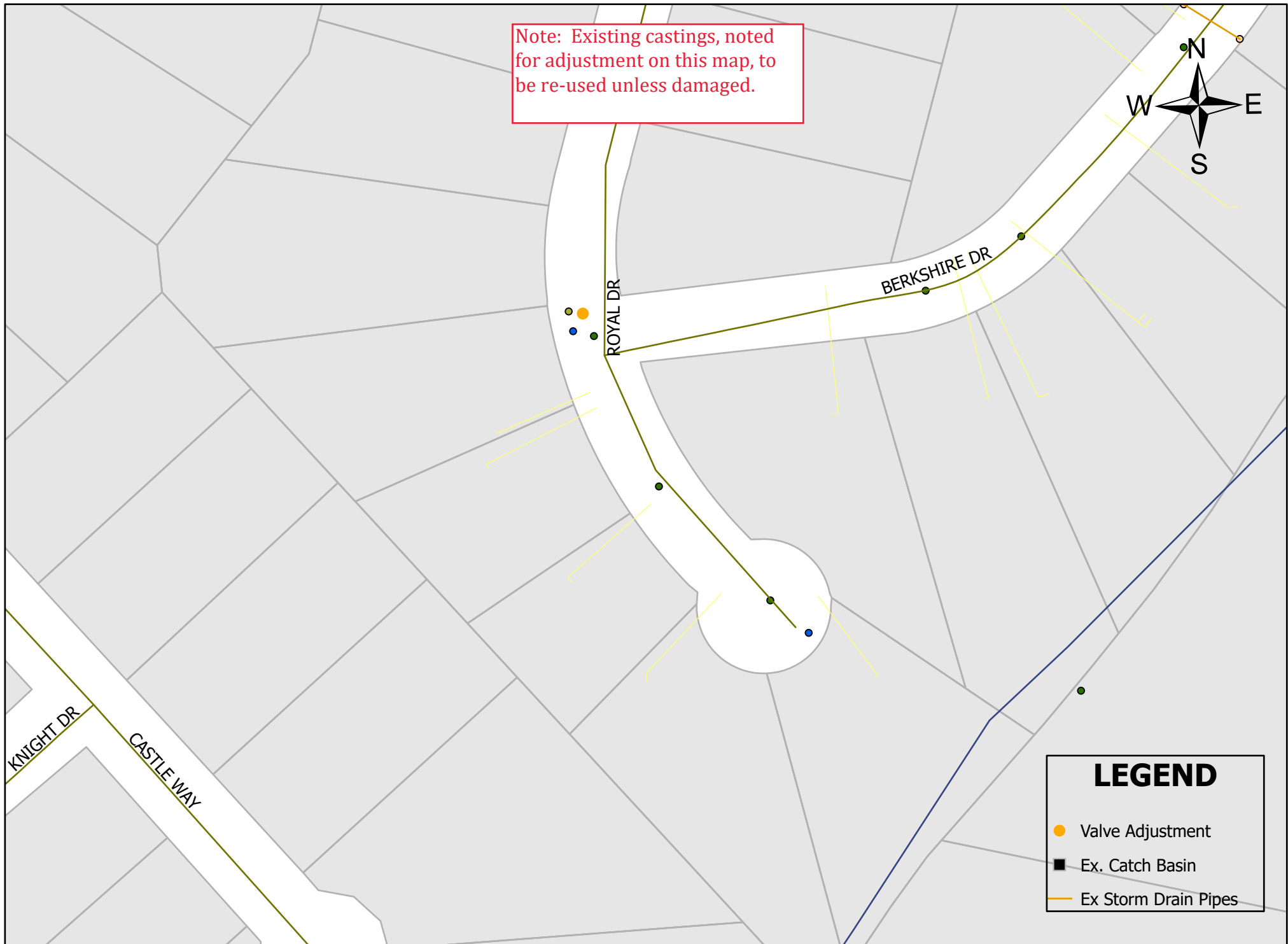
# MIDDLEBURY DR. (ALTERNATE)





ROYAL DRIVE  
(ALTERNATE 2)

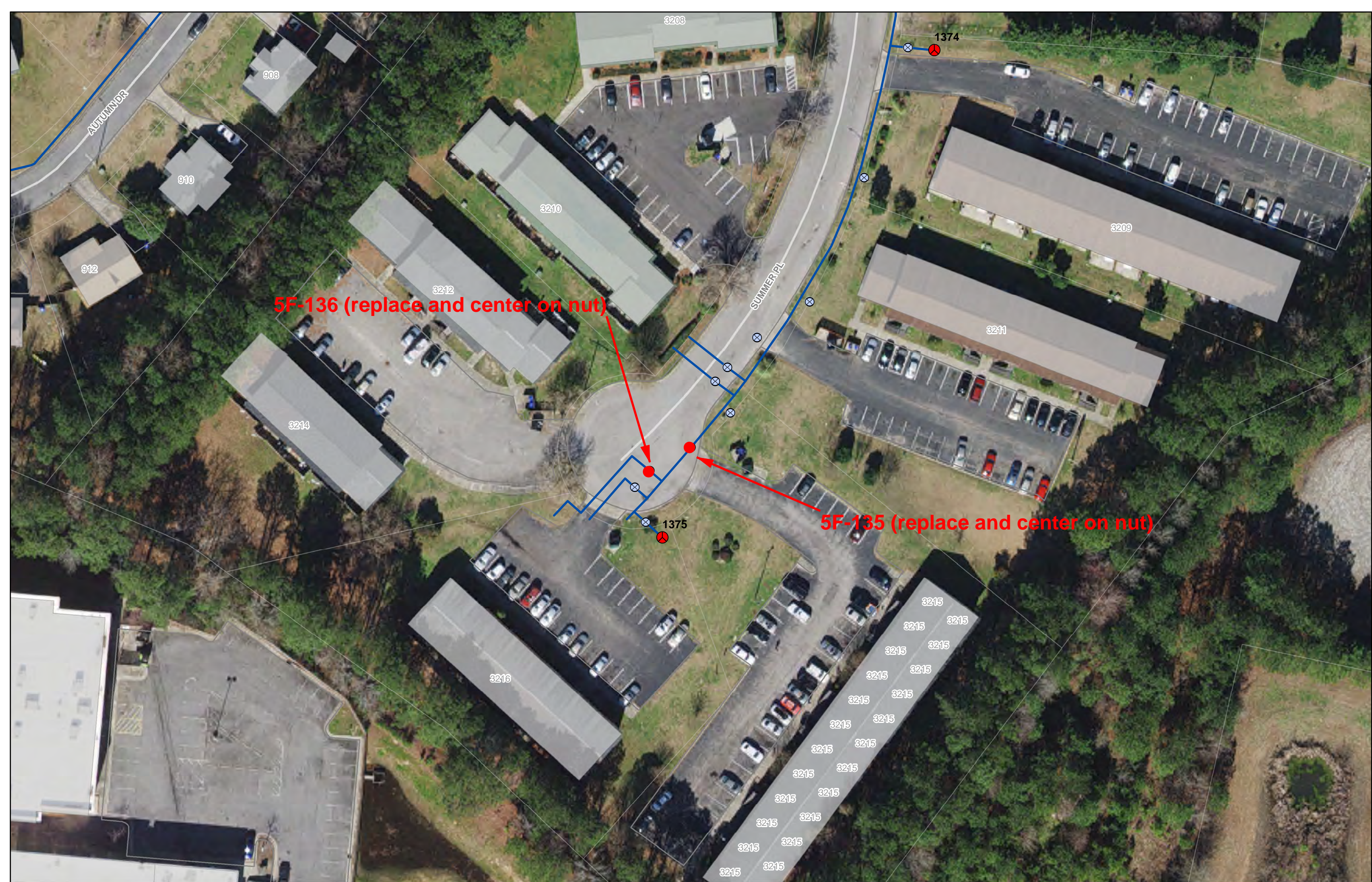
# ROYAL DR. (ALTERNATE)





SUMMER PLACE  
(ALTERNATE 6)







VALLEY LANE  
(ALTERNATE 3)







VALLEY PLACE  
(ALTERNATE 4)





11J-084 (replace Valve box)

447

526

786



Appendix D Maps



GUC MANHOLE MAPS  
FOR REPLACE

2025 STREETS REHABILITATION &  
PRESERVATION CONTRACT

APPENDIX D



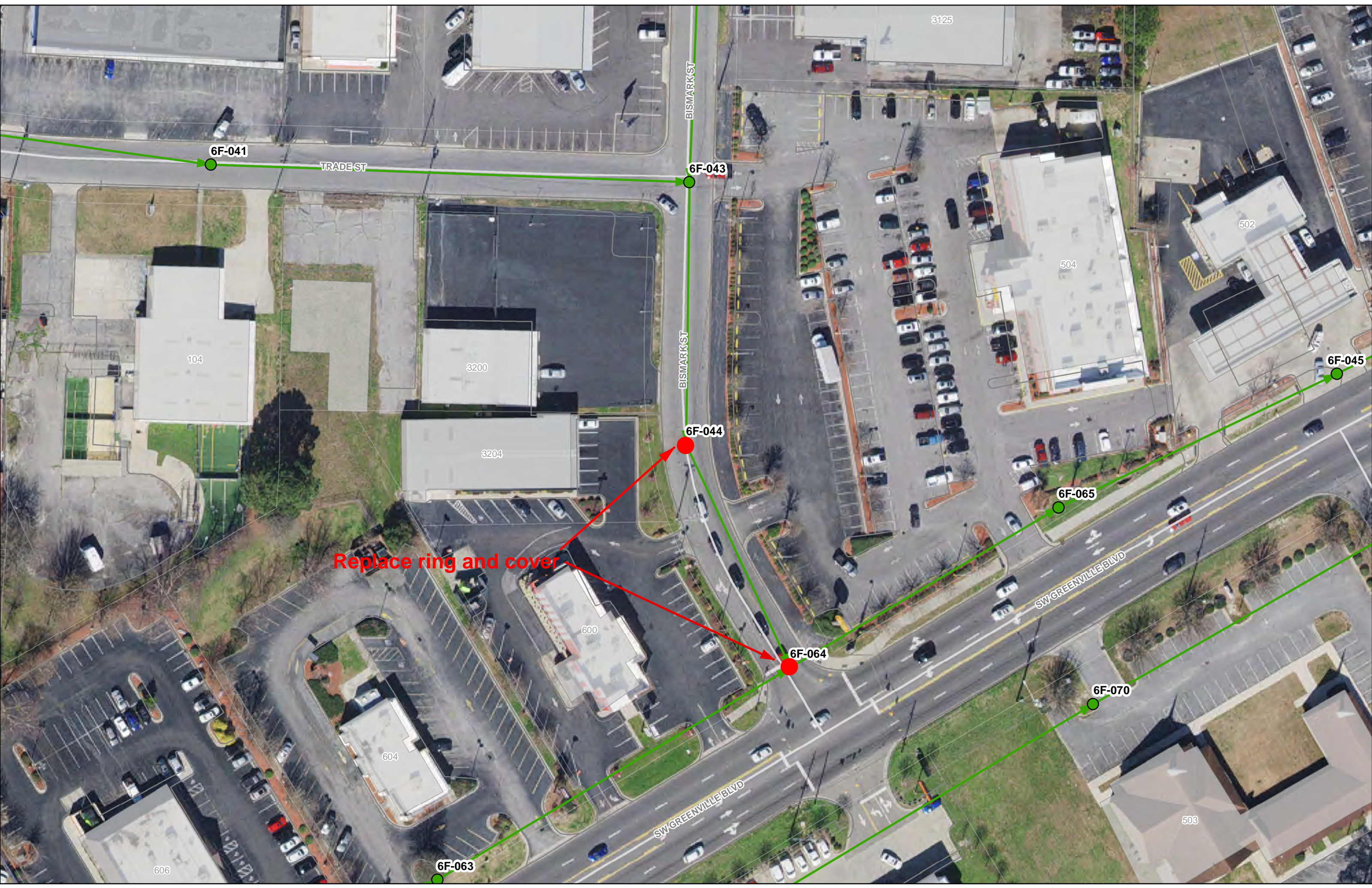
## **Table of Contents**

Bismark Street  
Cromwell Drive  
Ellsworth Drive  
Govenors Lane  
Hooker Road  
Liberty Drive  
Middlebury Drive  
Old Courthouse Drive  
Royal Drive  
Shiloh Drive  
Summer Drive  
Valley Lane  
Valley Place



BISMARCK STREET





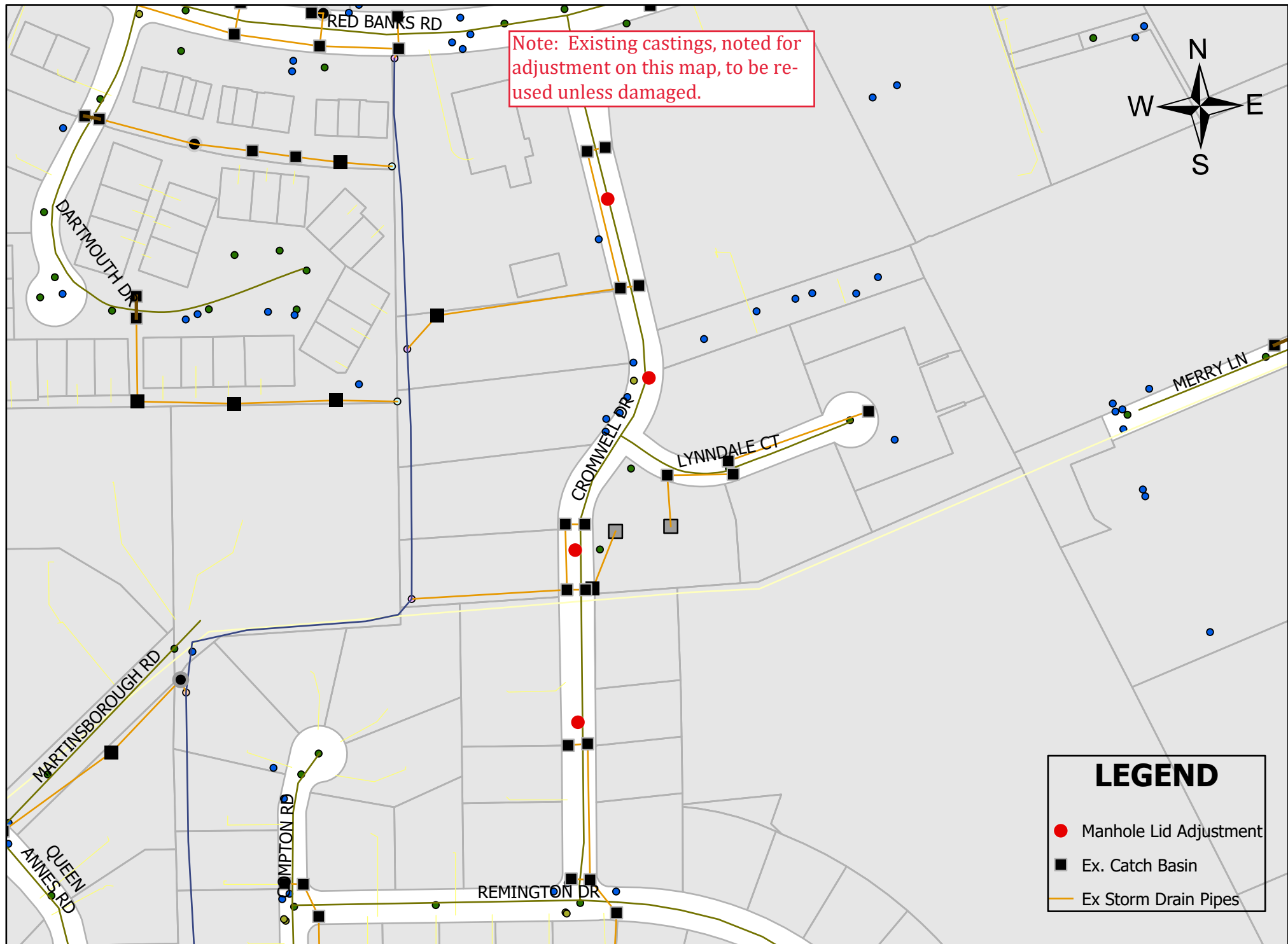
Replace ring and cover



CROMWELL DRIVE



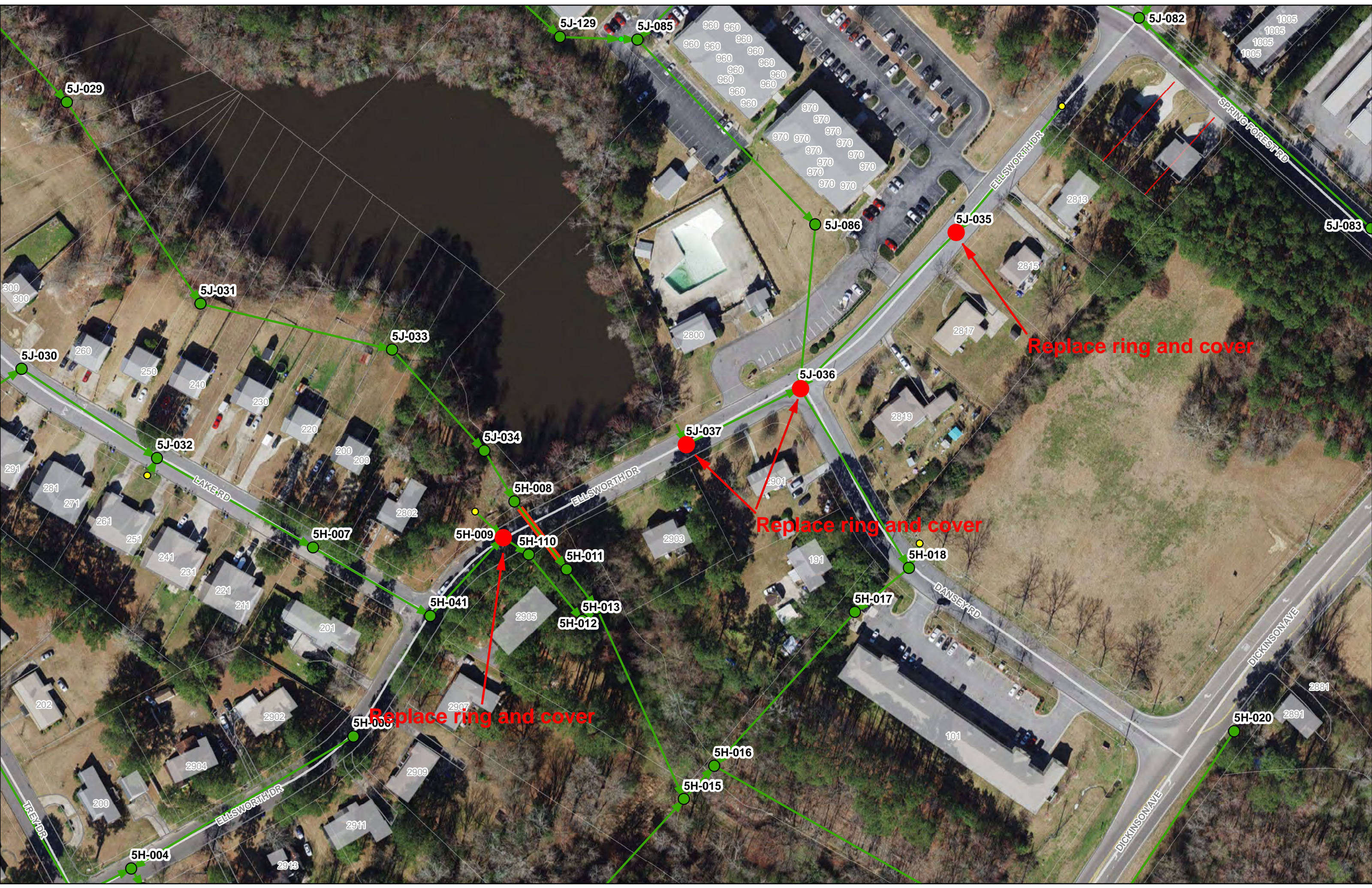
# CROMWELL DR.





ELLSWORTH DRIVE  
(ALTERNATE 1)





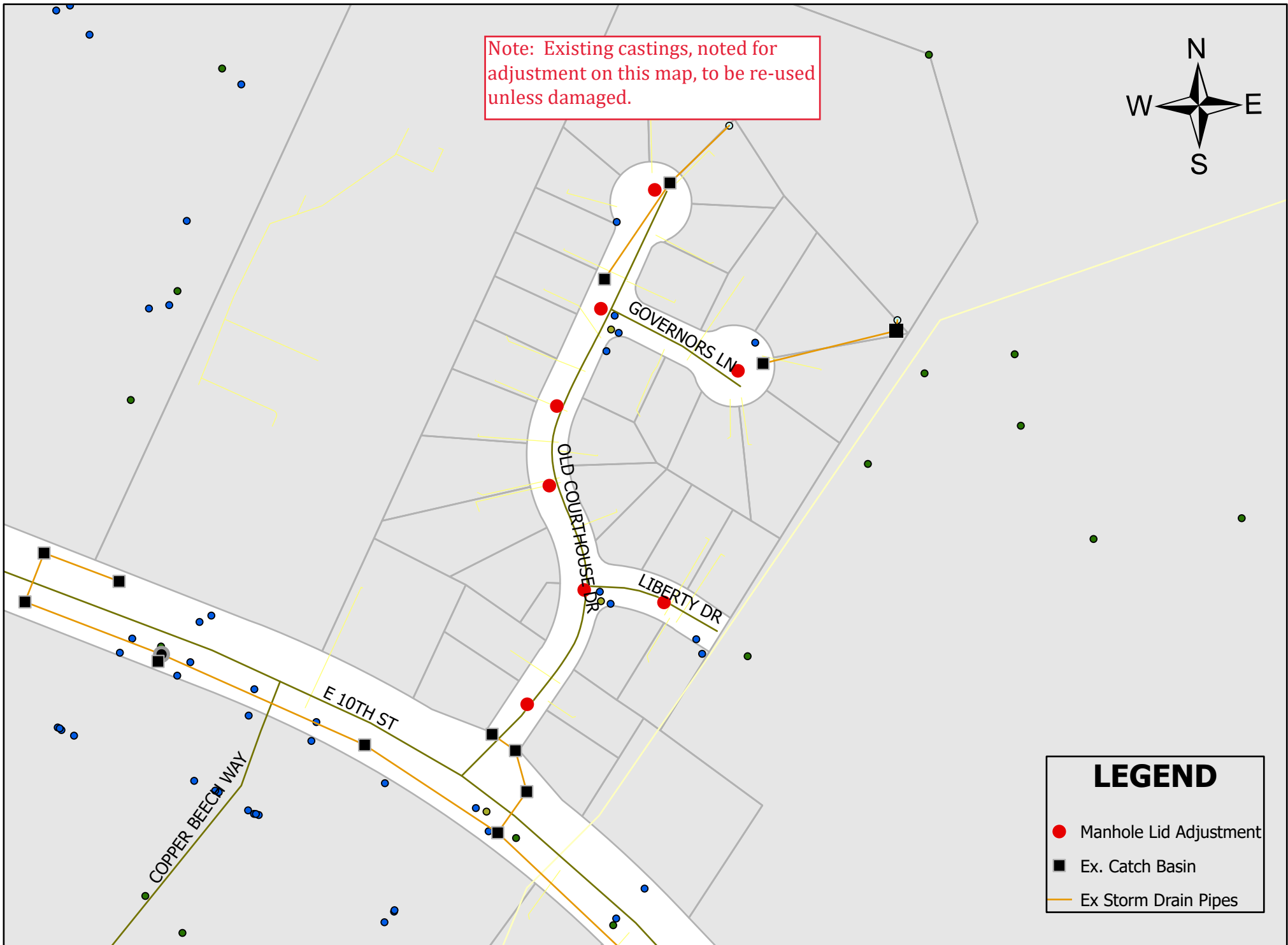
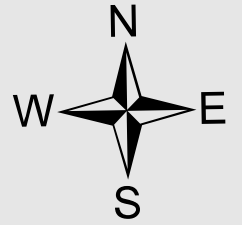


GOVERNORS LANE



# OLD COURTHOUSE DR. / GOVERNORS LN. / LIBERTY DR.

Note: Existing castings, noted for adjustment on this map, to be re-used unless damaged.





HOOKER ROAD





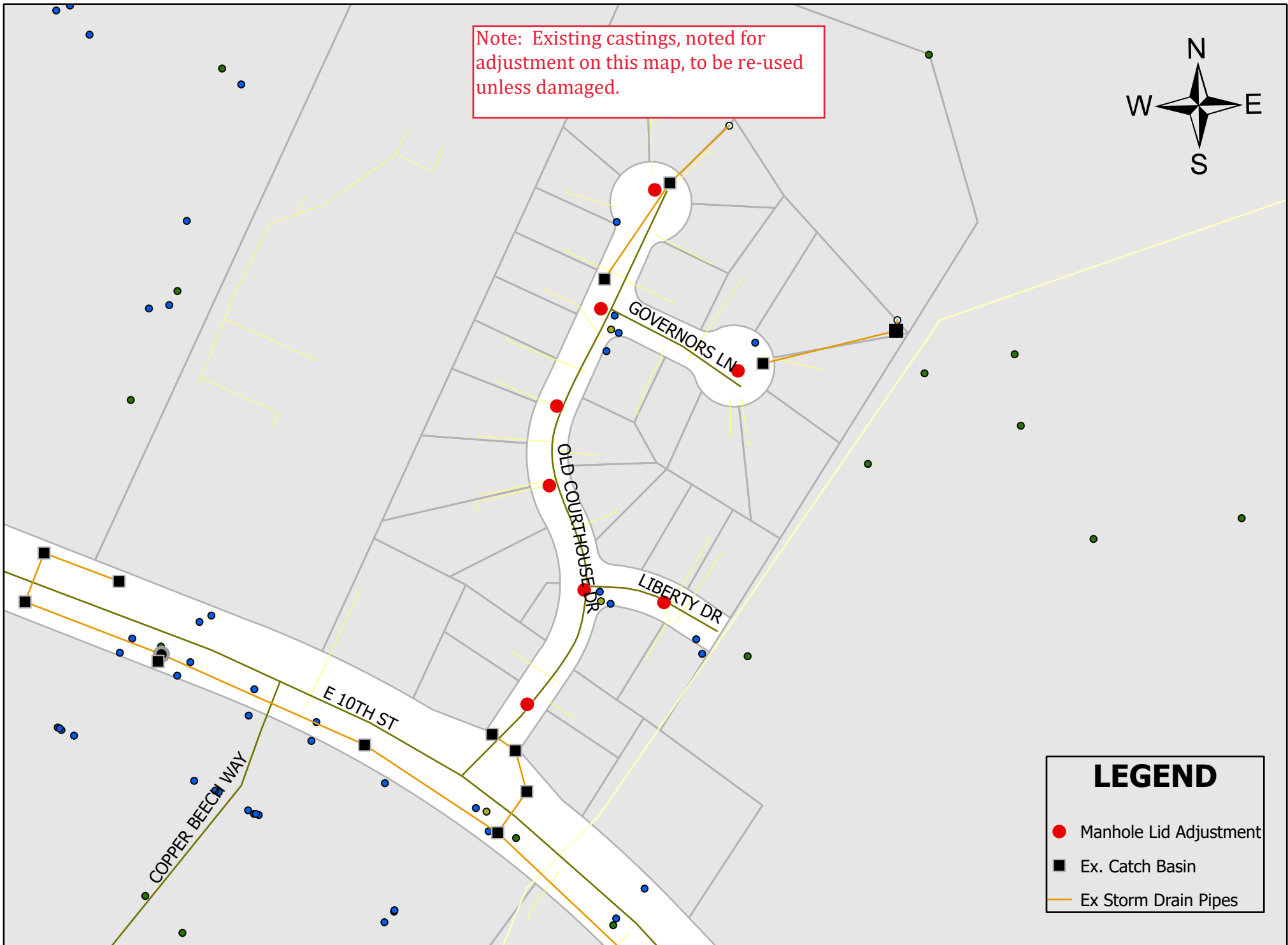
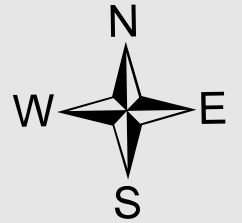


LIBERTY DRIVE



# OLD COURTHOUSE DR. / GOVERNORS LN. / LIBERTY DR.

Note: Existing castings, noted for adjustment on this map, to be re-used unless damaged.



## LEGEND

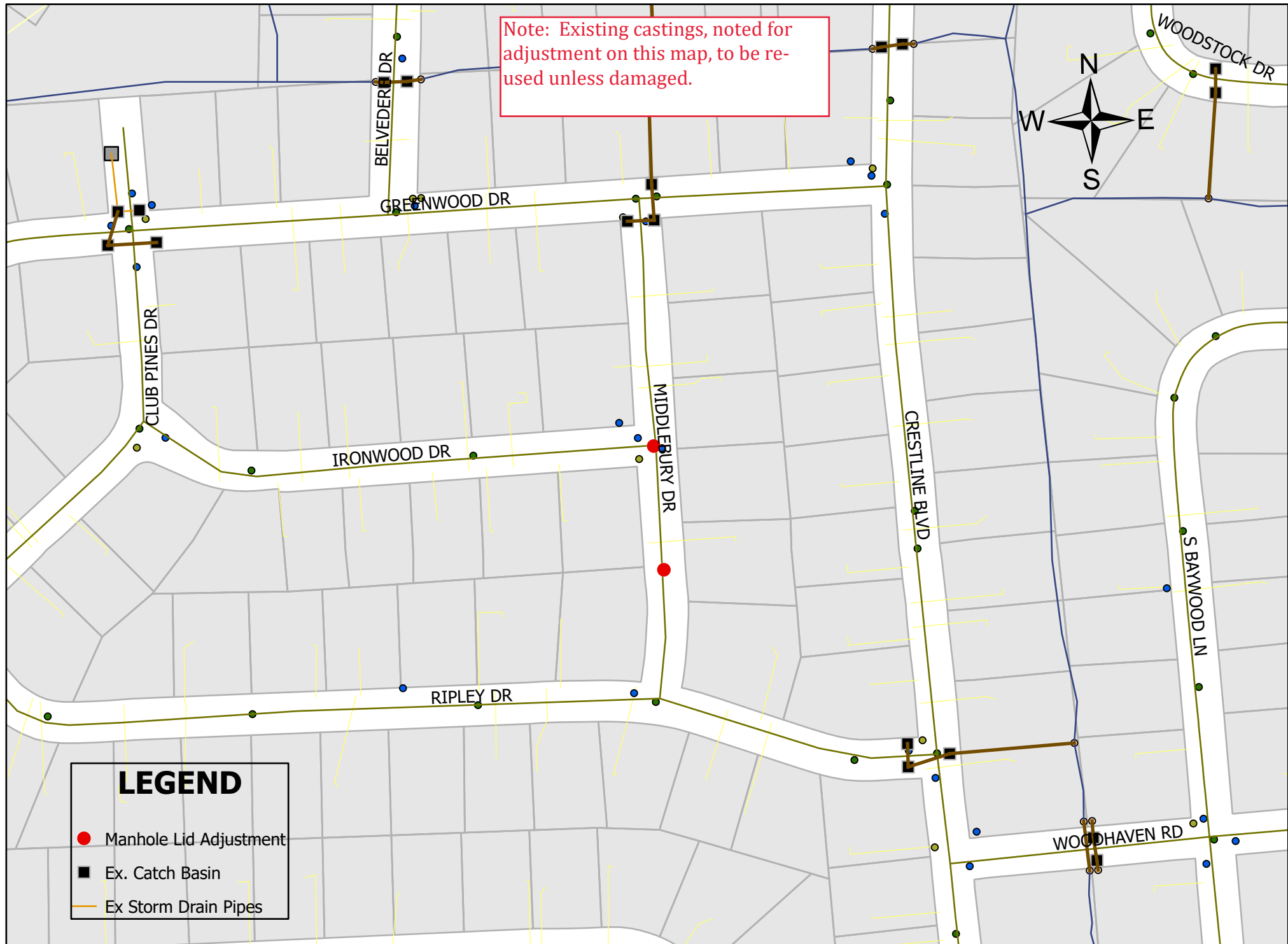
- Manhole Lid Adjustment
- Ex. Catch Basin
- Ex Storm Drain Pipes



MIDDLEBURY DRIVE  
(ALTERNATE 5)



# MIDDLEBURY DR. (ALTERNATE)



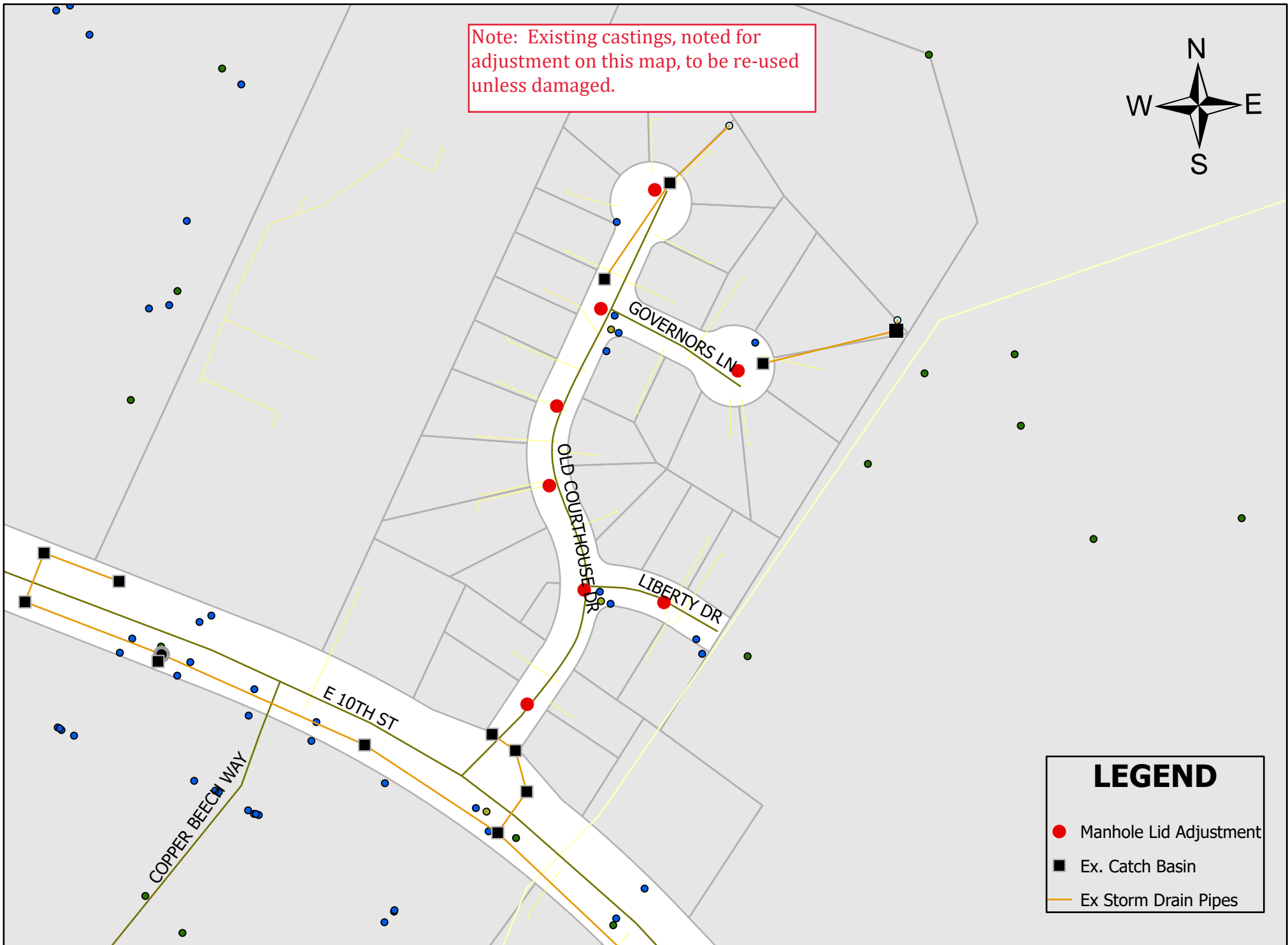
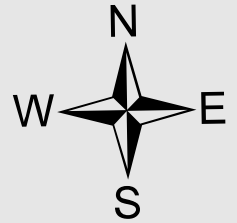


OLD COURTHOUSE DRIVE



# OLD COURTHOUSE DR. / GOVERNORS LN. / LIBERTY DR.

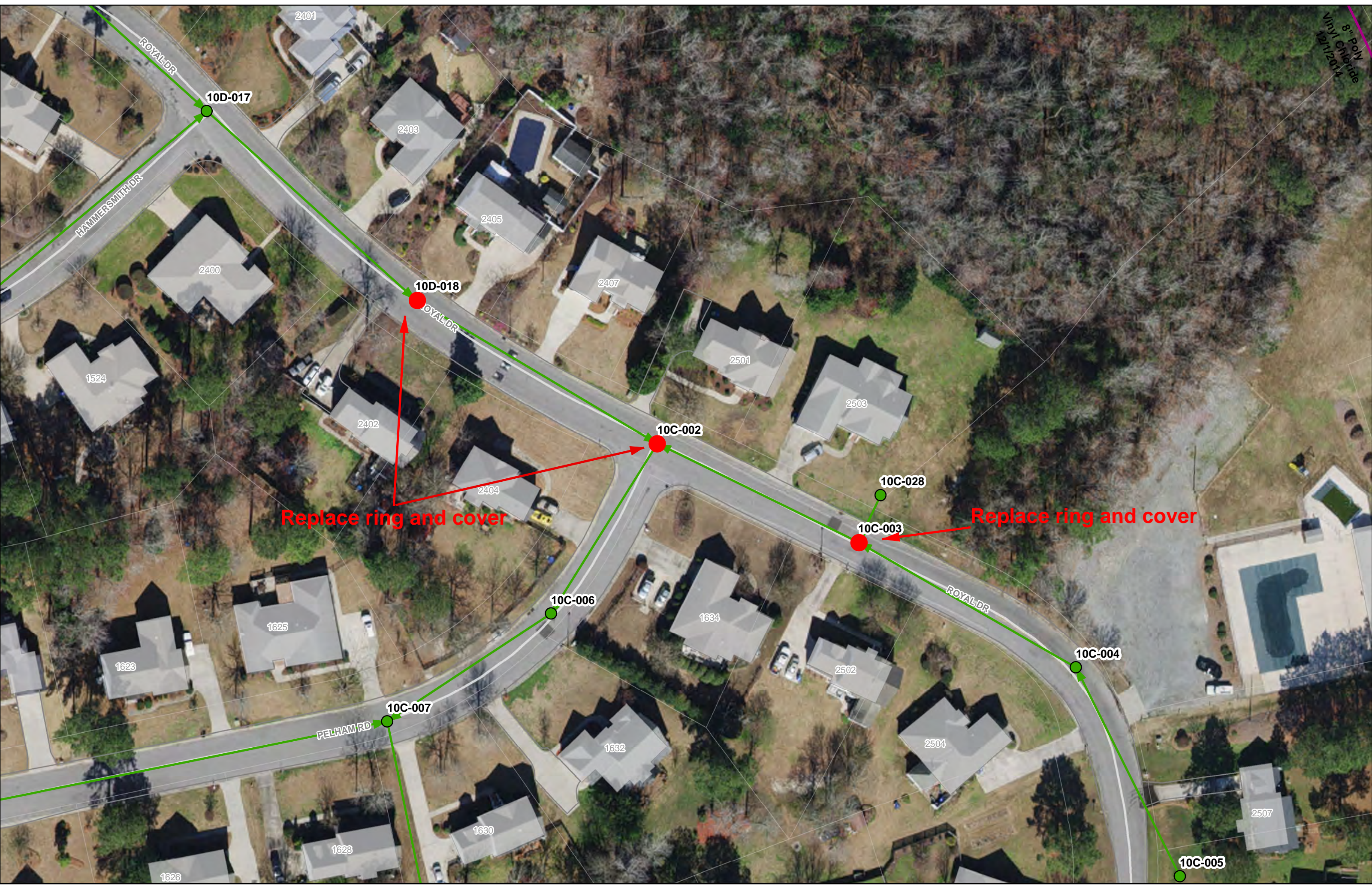
Note: Existing castings, noted for adjustment on this map, to be re-used unless damaged.





ROYAL DRIVE



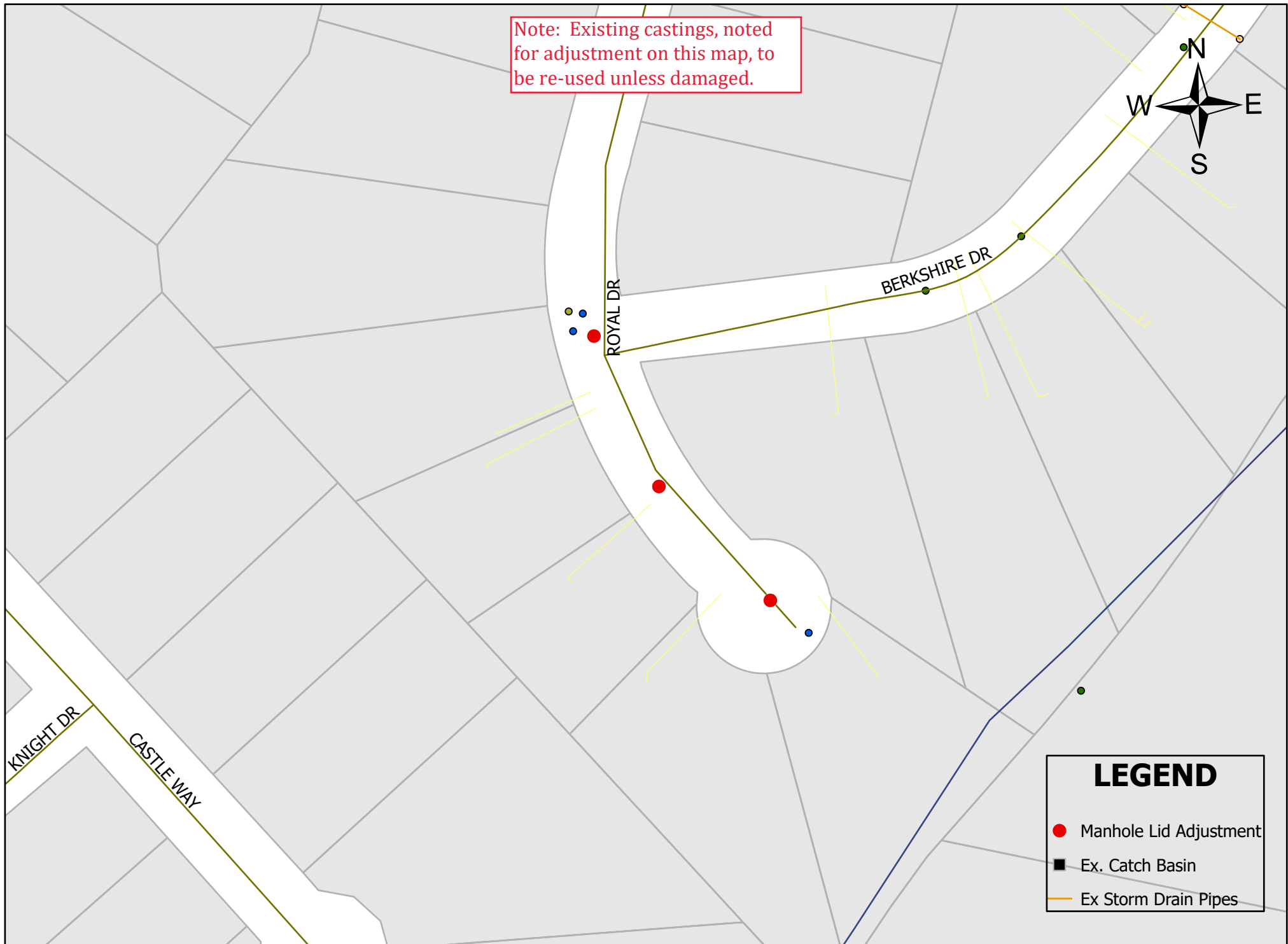




ROYAL DRIVE  
(ALTERNATE 2)



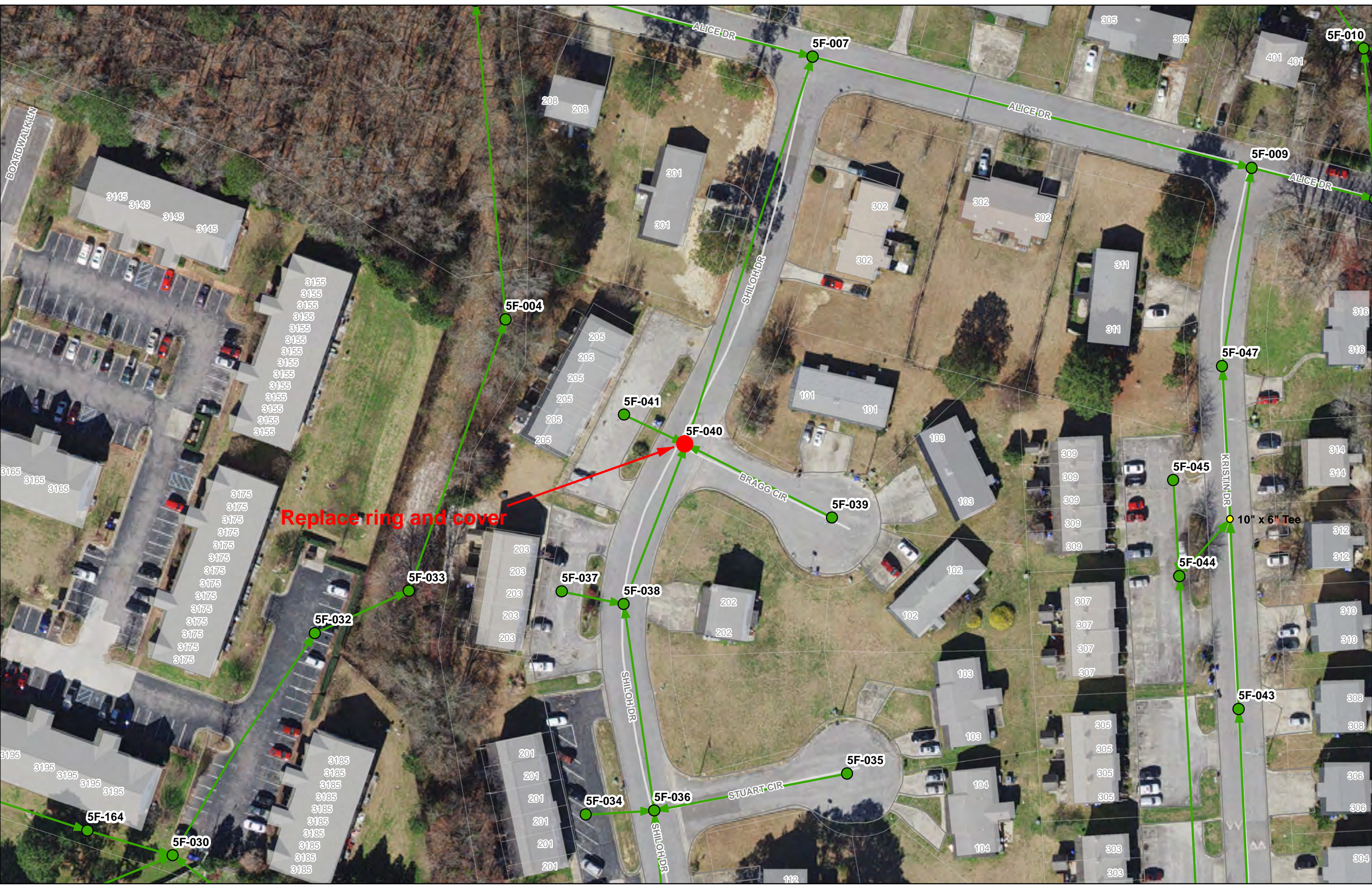
# ROYAL DR. (ALTERNATE)





SHILOH DRIVE

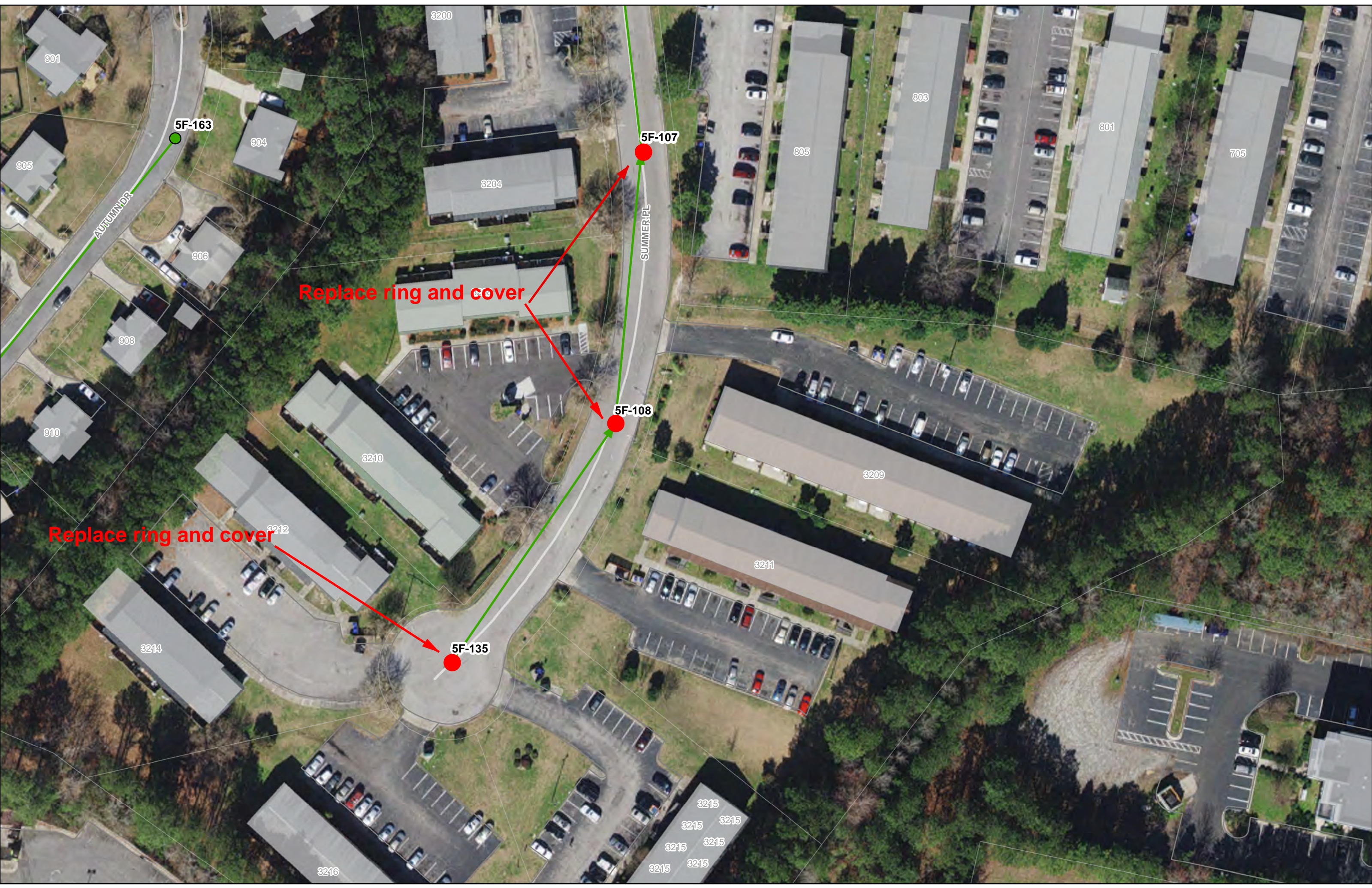






SUMMER PLACE  
(ALTERNATE 6)





Replace ring and cover

Replace ring and cover

5F-163

5F-107

5F-108

5F-135



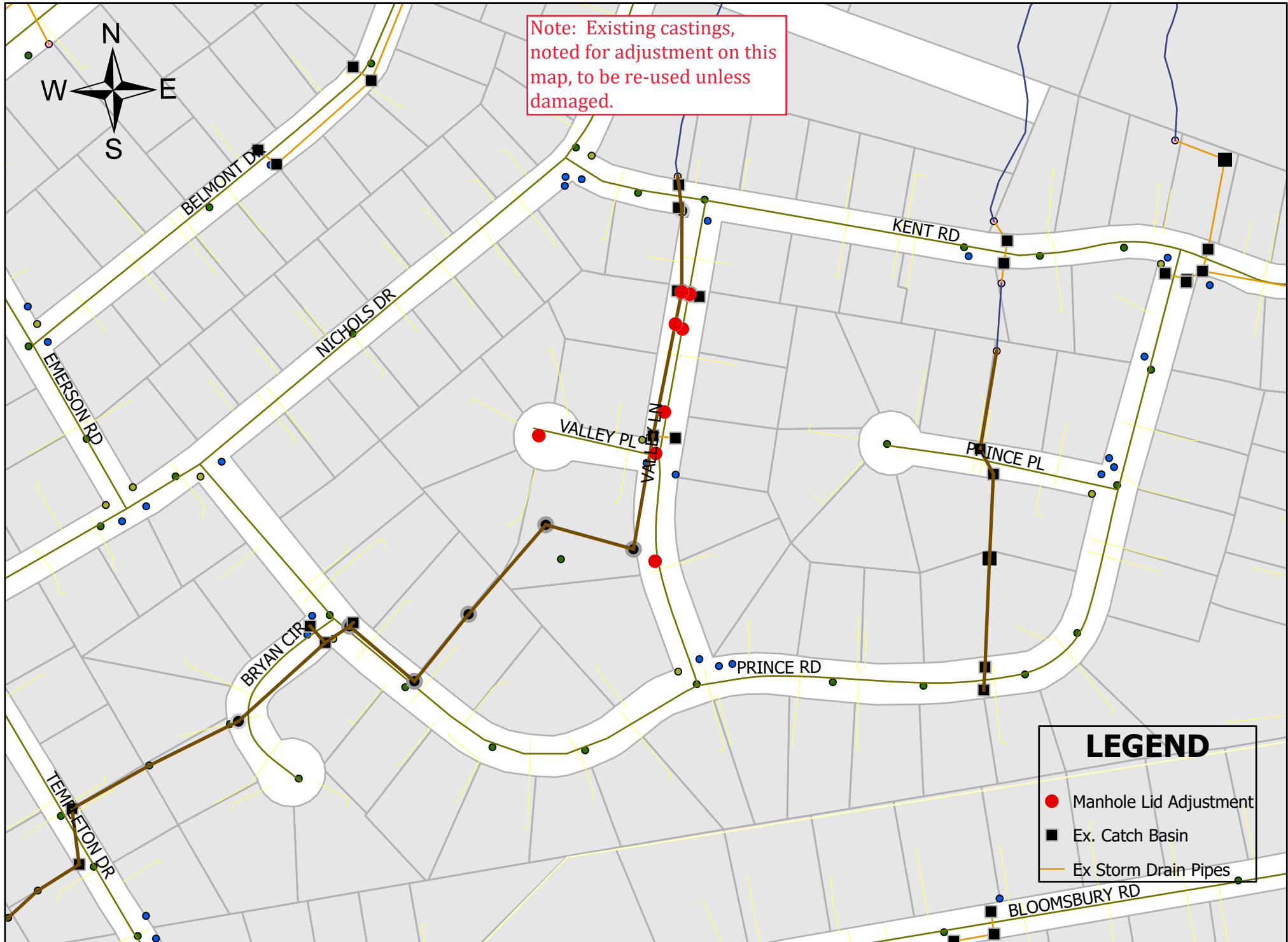
VALLEY LANE  
(ALTERNATE 3)







# VALLEY LN. / VALLEY PL. (ALTERNATE)





VALLEY PLACE  
(ALTERNATE 4)



# VALLEY LN. / VALLEY PL. (ALTERNATE)

