



Post Office Box 207 · Shelby, NC 28151-

3/17/26

To: All Prospective Bidders

From: Philip Bailey, Engineering Coordinator

RE: Mill and Gardner Street Concrete Sidewalk and ADA Ramp Project

The City of Shelby is accepting bids on a project that installs/replaces ADA compliant ramps, demo and replaces existing sidewalk and driveway aprons. There will be five ADA ramp installation/replacements and demo/install of approximately 819' LF of 5' wide sidewalk and seven concrete driveway aprons. Listed below are the contractor's responsibilities for the project.

Bids are due by 2:00 PM on March 31, 2026. Bids may be submitted to:

**George W. Clay, Jr. Utility Operations Center
Attn: Philip Bailey
824 W Grover Street, Shelby, NC 28150**

Contractor's Responsibilities:

Mill Street:

ADA Ramp Replacement/Installation:

Demo and install three ADA compliant curb ramps at the following intersections:

- Mill Street & N. Lafayette St. (North Side)
- Mill Street & N. Lafayette St. (South Side)
- Southwest corner of Mill St. (No existing ramp here)
- Ramps shall meet City of Shelby Standards and ADA compliance. Ramps shall include retrofitted sidewalk along with an inset ADA dome mat **black** in color.

Sidewalk Replacement:

- Demo approximately 401 linear feet of 4' wide sidewalk & 2 driveway aprons.
- Install approximately 401 linear feet of 5' wide sidewalk to comply with ADA and City of Shelby Standard Detail 2.05.
- Where the sidewalk intersects concrete driveways, demo and replace four concrete driveway aprons.
- The sidewalk replacement shall be 5' wide and be minimum of 4" thick. Driveway aprons shall be replaced from the street tie-in to the property owner's side of the sidewalk with 6" thick concrete.
- Please see attached Exhibit for more details.

Gardner Street:

ADA Ramp Replacement/Installation:

Demo and install two ADA compliant curb ramps at the following intersections:

- Gardner and N. Lafayette (North Side)
- Gardner and N. Lafayette (South Side)

Ramps shall meet City of Shelby Standards and ADA compliance. Ramps shall include retrofitted sidewalk along with an inset ADA dome mat **black** in color.

Sidewalk Replacement:

- Demo approximately 394 linear feet of 4' wide sidewalk and Standard Curb and Gutter.
- Install approximately 394 linear feet of 5' wide turn down sidewalk to comply with ADA and City of Shelby Standard Detail.
- Where the sidewalk intersects concrete driveways, demo and replace three concrete driveway aprons.
- The sidewalk replacement shall be 5' wide and be minimum of 4" thick. Driveway aprons shall be replaced from the street tie-in to the property owner's side of the sidewalk with 6" thick concrete.
- Please see attached Exhibit for more details.

General Notes

- Contractor will be responsible for cleaning up and disposing of all existing conditions and construction materials from the project site upon completion of the project.
- Contractor shall saw cut the asphalt square and coordinate with the City of Shelby to make the asphalt repair.
- All ramp installations shall replace curb and gutter that transitions to meet ADA standards.
- Contractor shall coordinate project with City of Shelby Engineering Department.
- Contractor shall follow ADA regulations, City of Shelby Standard Details, and NCDOT Standard Roadway Drawings.
- The surrounding work area shall be graded flush with the edge of the ramp and stabilized with seed and straw.
- Traffic and pedestrian control will be the responsibility of the contractor.
- A utility locate must be called in prior to work commencing.

All work completed as part of this project will carry a one (1) year warranty beginning at the completion of the project.

The bid award for this project will be based on the "Total Project Bid."

This list is intended to provide the basic scope of work contractor shall field verify quantities prior to bid; any incidental work that is related to this project will be the sole responsibility of the Contractor.

The City reserves the right to accept or reject any and/or all bids. **A valid contractor's license must be provided (if required based on bid amount).** A Certificate of Insurance will be required from the low bidder prior to beginning construction.

Work shall commence within 14 calendar days of written Notice to Proceed and shall be completed within 30 calendar days thereafter.

Liquidated damages in the amount of \$250 per day will be enforced for work not completed by the applicable deadline.

Please call Philip Bailey at 704-669-2065 if you have any questions during the bidding or construction process.

RE: Concrete Sidewalk and ADA Ramp Project on Mill Street

Submitted by:

Company Name: _____

NC Contractor's License #: _____

Name: _____

Title: _____

Subtotal Project Bid:_____

10% Contingency: _____

Total Project Bid (Subtotal +10% contingency):

\$_____

Unit cost for additions/deletion to scope of work:

All work shall follow the City of Shelby Standard Detail and NCDOT Standard Roadway drawings.

4" Thick Sidewalk (Standard Detail 2.05)	_____per sq. ft.
4" Thick Sidewalk Demo	_____per sq. ft.
6" Thick Concrete Driveway Apron (Std. Detail 2.08)	_____per sq. ft.
6" Thick Concrete Driveway Apron Demo	_____per sq. ft.
2' 6" Standard Curb and Gutter (Standard Detail 2.02)	_____per linear ft
2' 6" Standard Curb and Gutter Demo	_____per linear ft
Vertical Curb (Standard Detail 2.01)	_____per linear ft
Vertical Curb Demo	_____per linear ft
Turndown Sidewalk	_____per sq. ft.
ADA Ramp Replacement	_____each

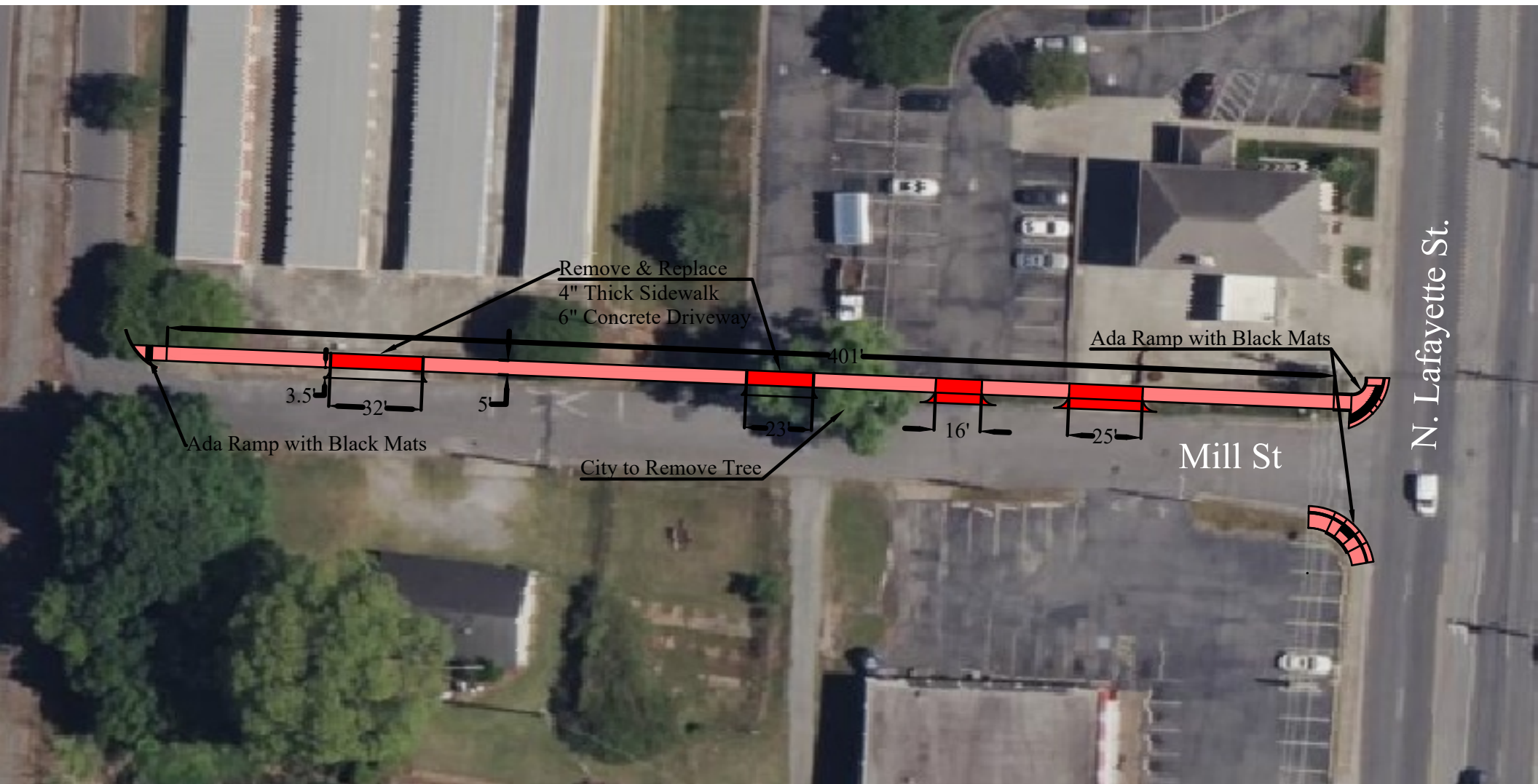
**RE: Concrete Sidewalk and ADA Ramp
Project on Mill Street**

Accepted by City of Shelby:

Name, Title: _____

Signature: _____

Date: _____



Remove & Replace
4" Thick Sidewalk
6" Concrete Driveway

Ada Ramp with Black Mats

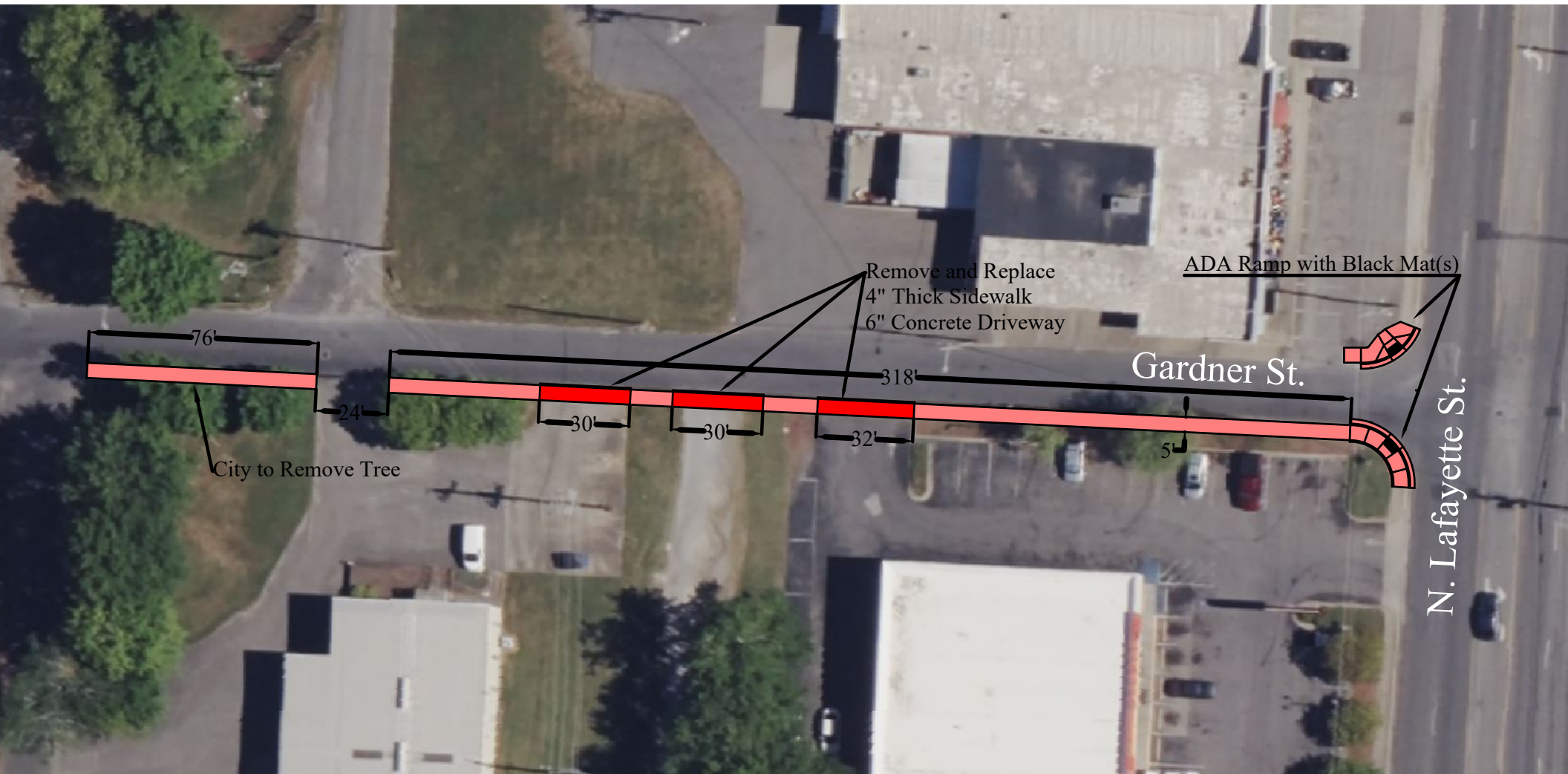
Ada Ramp with Black Mats

City to Remove Tree

Mill St

N. Lafayette St.

401



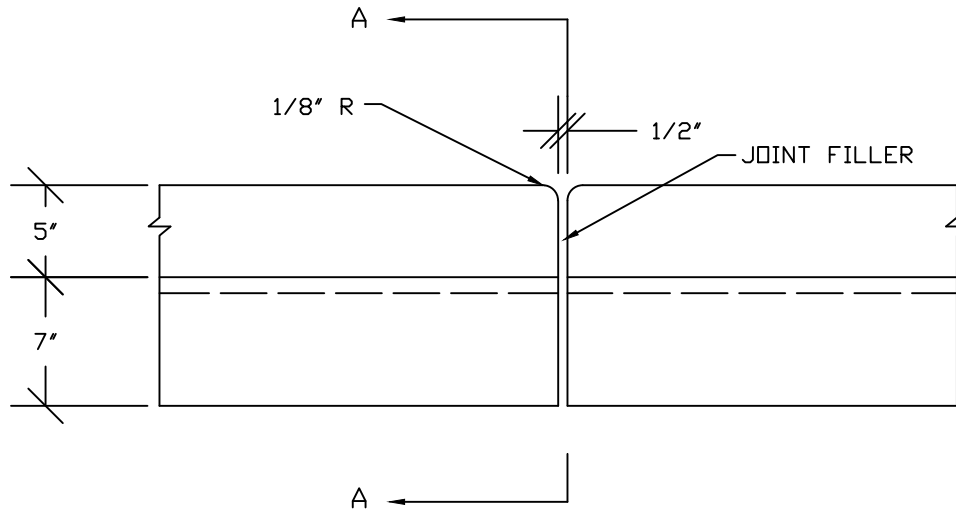
City to Remove Tree

Remove and Replace
4" Thick Sidewalk
6" Concrete Driveway

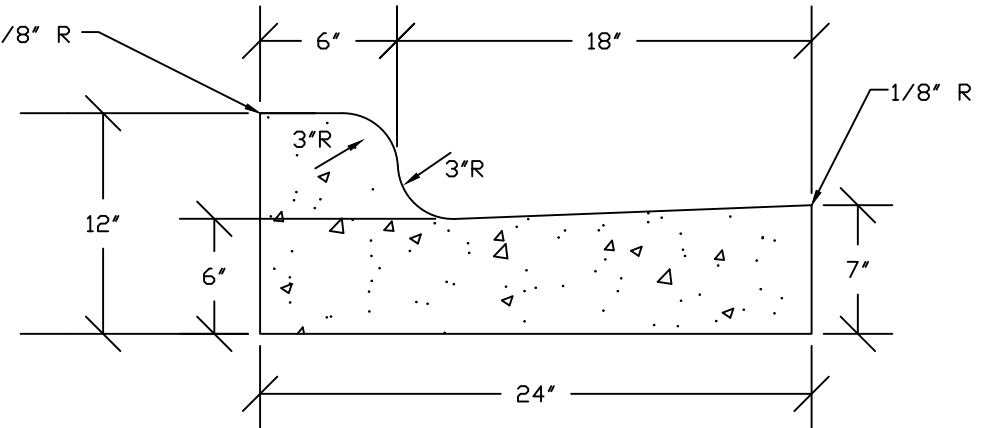
ADA Ramp with Black Mat(s)

Gardner St.

N. Lafayette St.



FRONT ELEVATION
TRANVERSE EXPANSION JOINT



SECTION A-A
SIDE ELEVATION

COMBINATION CURB & GUTTER

NOTE:

1. CONCRETE SHALL BE A MINIMUM OF 3000 PSI.
2. FOR HAND POURED CURBING, CONTRACTION JOINTS SHALL BE SPACED AT 10' INTERVALS & EXPANSION JOINTS SHALL BE PLACED AT 50' INTERVALS.
3. FOR EXTRUDED CURBING, CONTRACTION JOINTS SHALL BE SPACED AT 15' INTERVALS & EXPANSION JOINTS SHALL BE PLACED AT 90' INTERVALS.
4. FINISH ALL CONCRETE WITH CURING COMPOUND.
5. FOLLOW ALL APPLICABLE ACI REQUIREMENTS.
6. CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO NORTH CAROLINA DOT STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTION 846.

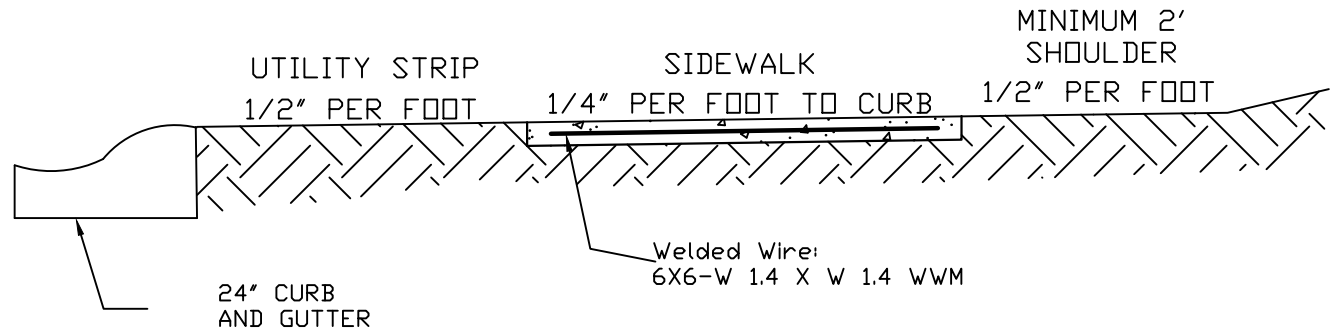
SHELBY STANDARD DETAILS - 2024

DATE	REVISIONS

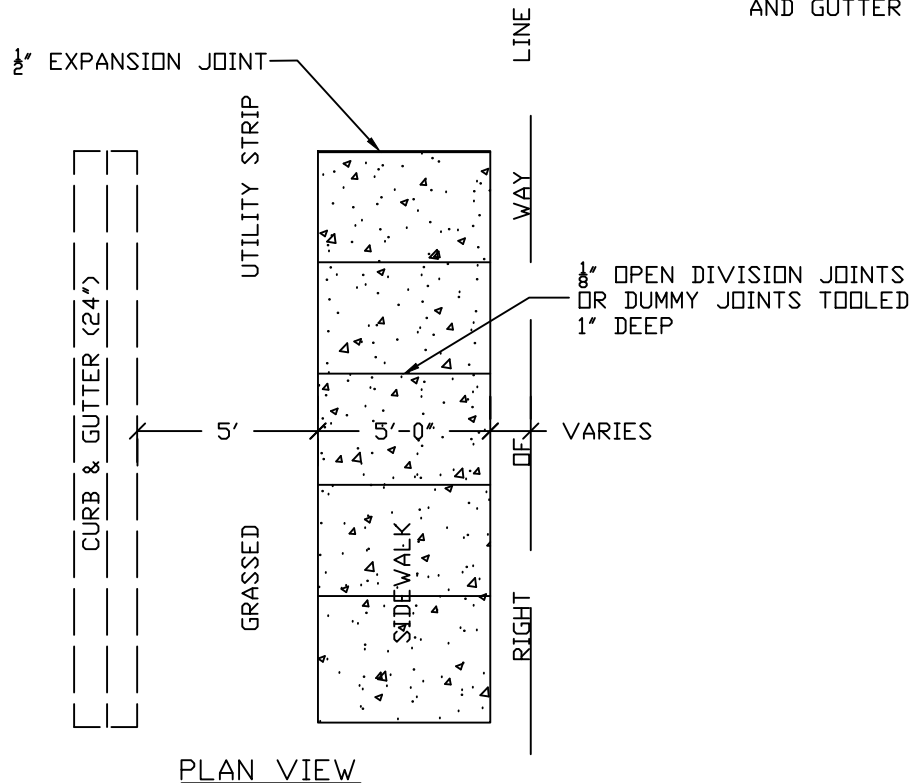
STANDARD CONCRETE CURB AND GUTTER



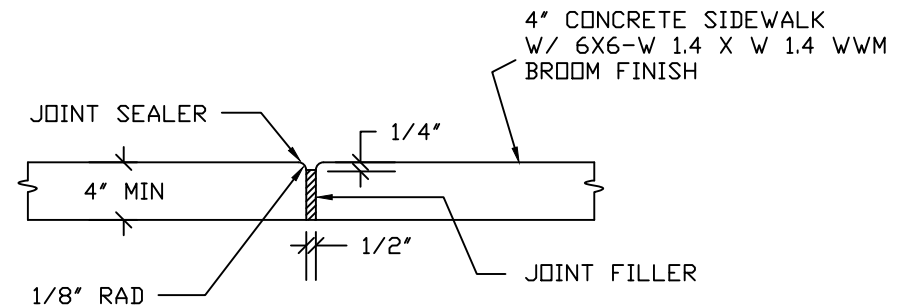
2.02



TYPICAL SECTION



PLAN VIEW



TRANVERSE EXPANSION JOINT

NOTES:

1. CONCRETE SHALL BE A MINIMUM OF 3000 PSI.
2. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50'.
3. ALL CONCRETE TO BE FINISHED WITH CURING COMPOUND.
4. ALL CONCRETE SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF THE ACI.
5. CONCRETE SHALL BE INSTALLED WITH WELDED WIRE MESH
6. SHALL MEET ADA REQUIREMENTS
7. WHEN FRONT EDGE OF WALK IS POURED ADJACENT TO CURB OR BACK OF WALK IS POURED ADJACENT TO A BUILDING OR EXISTING CONCRETE, A 1/2" EXPANSION JOINT SHALL BE PLACED BETWEEN THE NEW WALK AND EXISTING STRUCTURES.
8. WHERE A DRIVEWAY CROSSES A WALK, THE SIDEWALK SHALL HAVE A DEPTH OF 6" WITH 1/2" EXPANSION JOINT EACH SIDE OF WALK.
9. CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO NORTH CAROLINA DOT STANDARD SPECIFICATIONS FOR ROAD AND STRUCTURES

JOINT NOTES:

1. 1/2" EXPANSION JOINTS TO BE LOCATED A MAX. DISTANCE OF 50' APART.
2. 1/8" OPEN DIVISION JOINTS OR DUMMY JOINTS TO BE LOCATED AT 5' INCREMENTS.

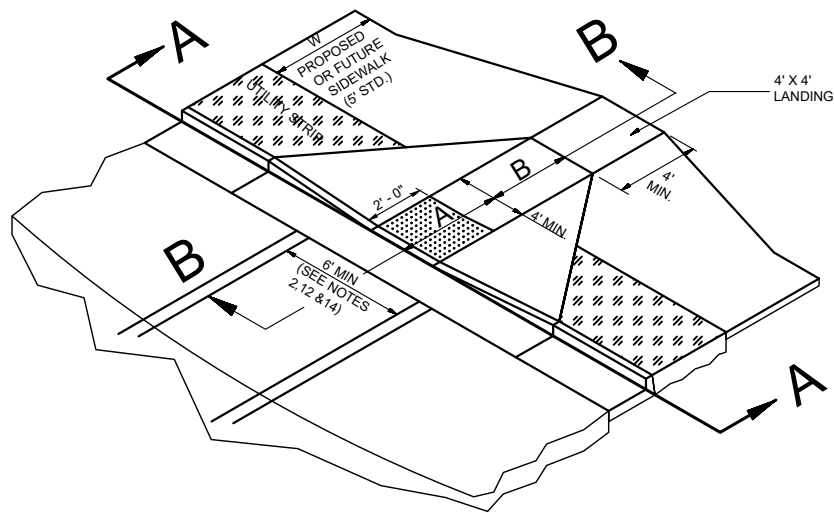
SHELBY STANDARD DETAILS - 2024

DATE	REVISIONS

STANDARD CONCRETE SIDEWALK



2.05



ISOMETRIC VIEW

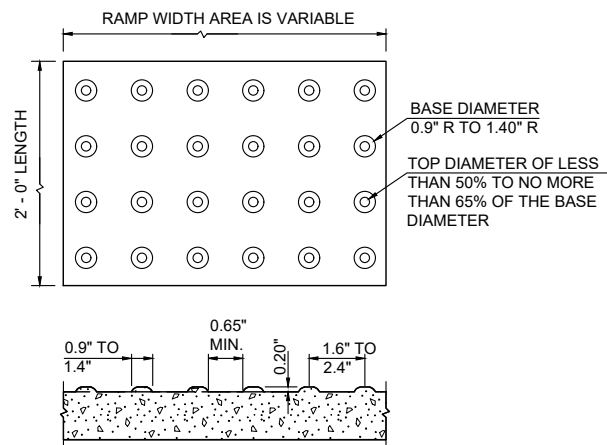
NOTES:

DETECTABLE WARNING SURFACE SHALL COVER 2' - 0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

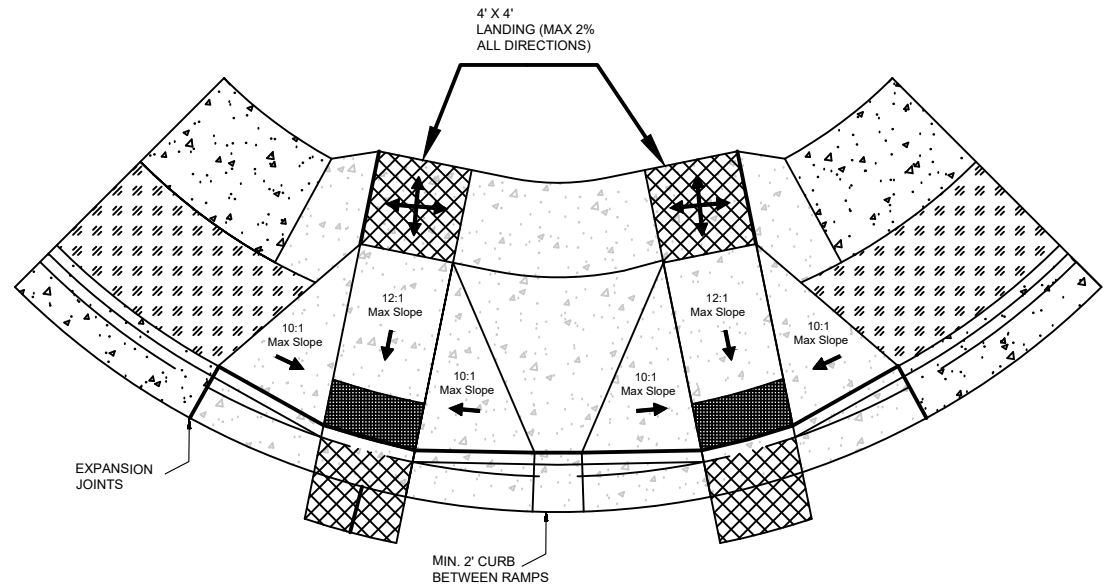
DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK- ON- LIGHT SEQUENCE COVERING THE ENTIRE RAMP.

DETECTABLE WARNING SURFACE SHALL BE BLACK IN COLOR (UNLESS OTHERWISE APPROVED BY CITY ENGINEER)

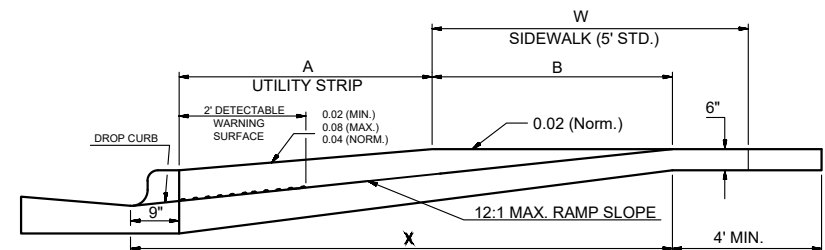
CROSSWALKS TO BE A MINIMUM OF 6' WIDE. SEE NOTE 2,12 & 14



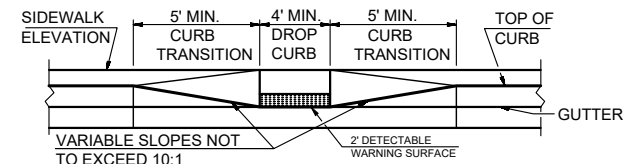
DETECTABLE WARNING SURFACE



PLAN VIEW



SECTION B-B



SECTION A-A

	W	A	W+A+9"	X	B
5'	0.0'	5.8'	5.8'	6.0'	6.0'
6'	0.0'	6.8'	6.8'	6.8'	6.5'
7'	0.0'	7.8'	7.3'	7.3'	6.5'
8'	0.0'	8.8'	7.3'	5.0'	5.0'
5'	2.0'	7.8'	7.8'	4.8'	4.8'
5'	2.5'	8.3'	8.1'	4.4'	4.4'
5'	3.0'	8.8'	8.3'	4.1'	4.1'
5'	3.5'	9.3'	8.4'	3.8'	3.8'
5'	4.0'	9.8'	8.6'	3.4'	3.4'
5'	4.5'	10.3'	8.7'	3.1'	3.1'
5'	5.0'	10.8'	8.9'		

$B = X - (A + 9")$

B = DISTANCE FROM FRONT EDGE OF SIDEWALK TO BACK POINT OF 12:1 (8.33% SLOPE)

* BACK OF SIDEWALK DROP REQUIRED FOR ALL SIDEWALK SLOPES

** BACK OF SIDEWALK DROP REQUIRED FOR SIDEWALK SLOPES 0.04.

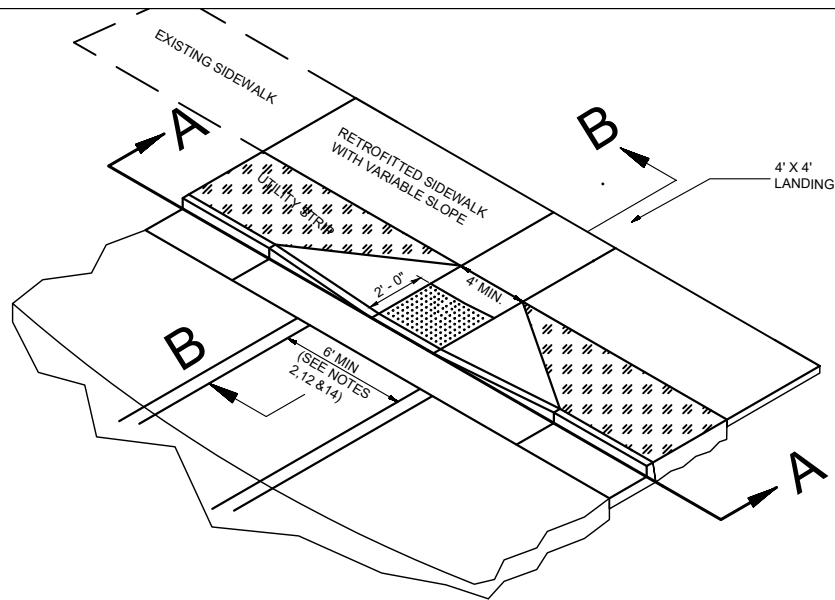
SHELBY STANDARD DETAILS - 2024

DATE	DESCRIPTION

STANDARD CURB RAMP - PROPOSED CURB AND GUTTER



2.06A



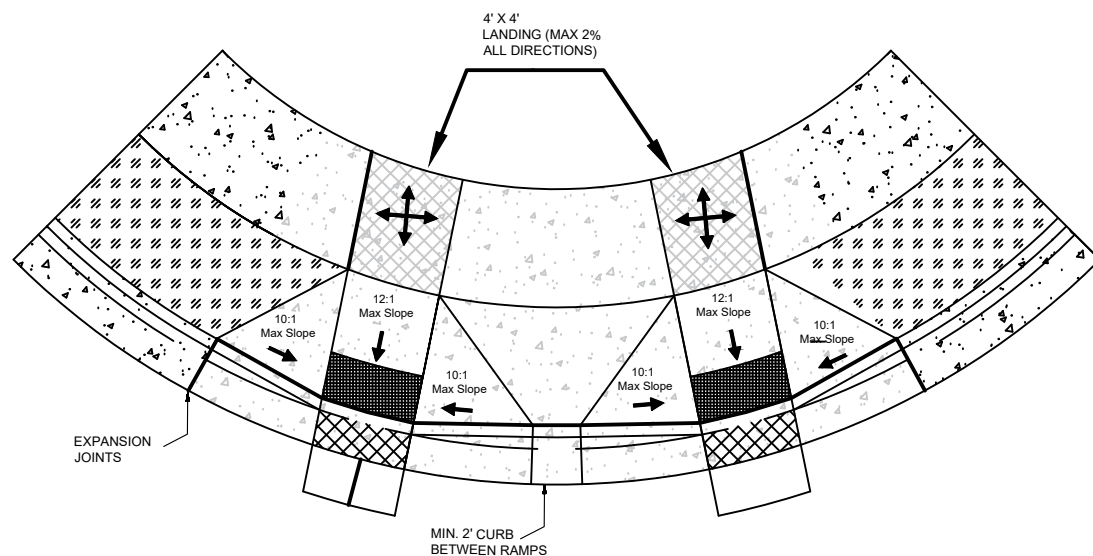
ISOMETRIC VIEW

NOTES:
RAMP CONSTRUCTION SHALL COMPLY WITH SHELBY STANDARD DETAIL 2.06C (CURB RAMP NOTES)

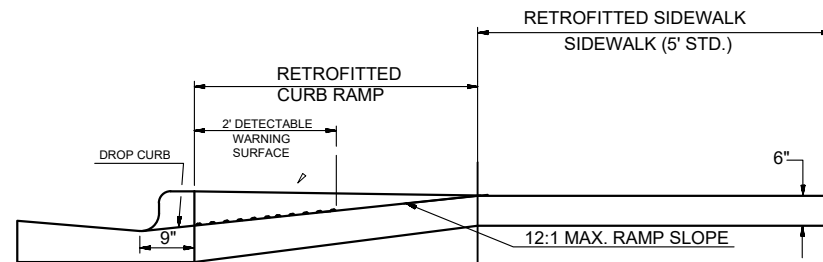
DETECTABLE WARNING SURFACE SHALL COVER 2' - 0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON THE DETAILS.

DETECTABLE WARNING SURFACE SHALL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK, OR DARK- ON- LIGHT SEQUENCE COVERING THE ENTIRE RAMP. **DETECTABLE WARNING SURFACE SHALL BE BLACK IN COLOR (UNLESS OTHERWISE APPROVED BY CITY ENGINEER)**

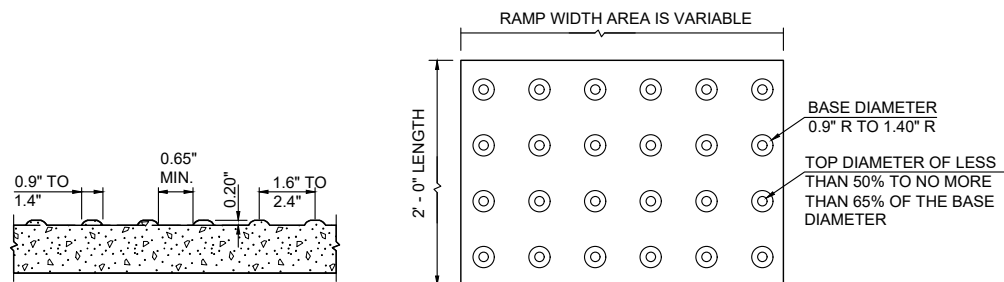
CROSSWALKS TO BE A MINIMUM OF 6' WIDE. SEE NOTE 2,12 &14



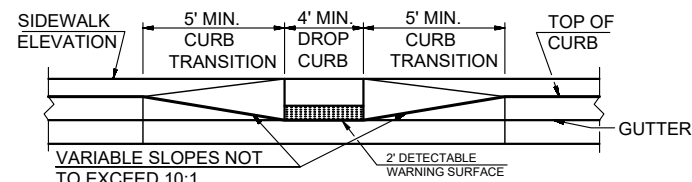
PLAN VIEW



SECTION B-B



DETECTABLE WARNING SURFACE



SECTION A-A

SHELBY STANDARD DETAILS - 2024

DATE	DESCRIPTION

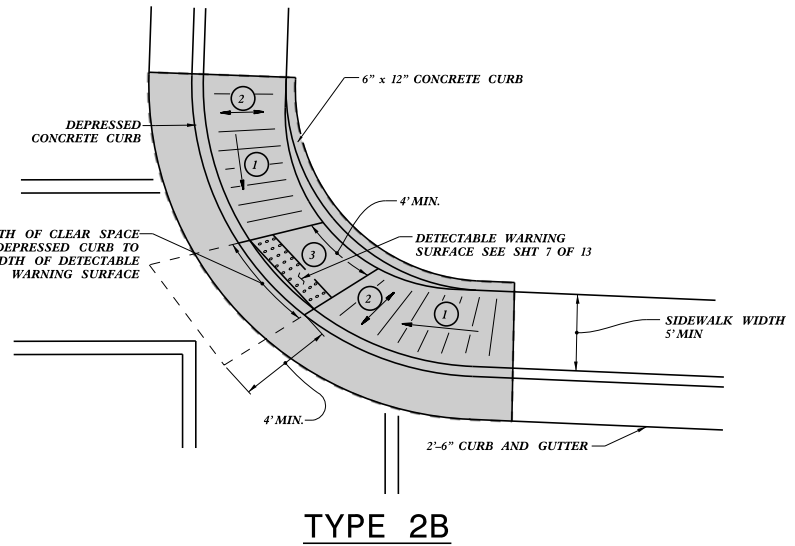
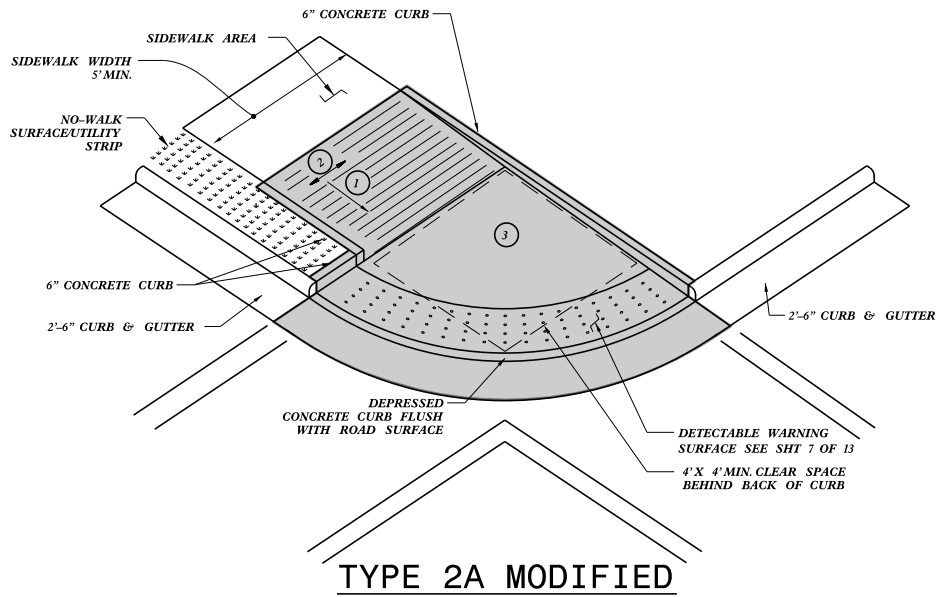
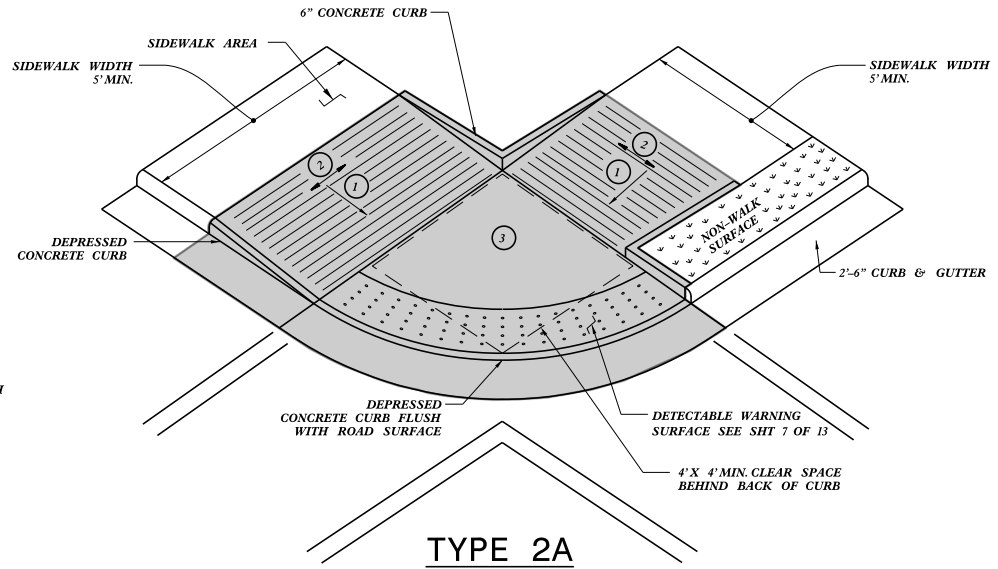
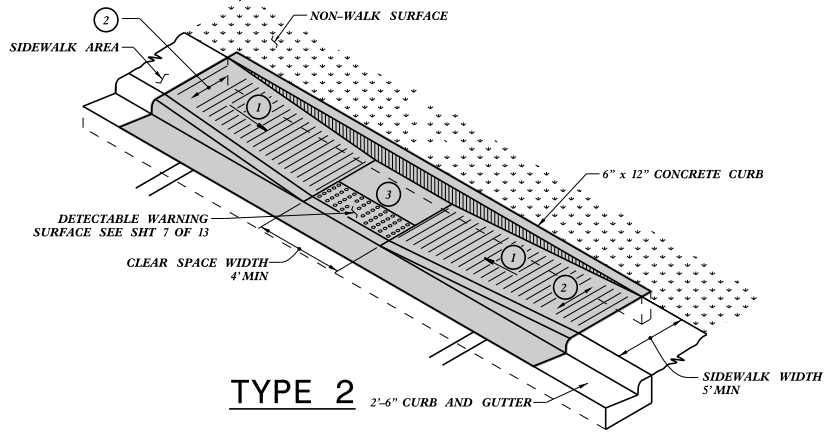
STANDARD CURB RAMP -
RETROFITTING WITH UTILITY STRIP
AND EXISTING SIDEWALK



2.06B

1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
5. REFER TO THE PAVEMENT MARKING STANDARDS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS.
6. TERMINATE PARKING A MINIMUM OF 20' BACK OF A PEDESTRIAN CROSSWALK.
7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE.
8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM.
10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
12. CONSTRUCT LANDINGS FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT LANDINGS FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGH THE ISLAND.
14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'x5' LANDING AT THE TOP OF A RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
16. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01
17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
18. DETECTABLE WARNING SURFACES WILL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR AS SHOWN ON DETAIL
19. DETECABLE WARNING SURFACES WILL CONTRAST VISIBLY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DAR, OR DARK-ON -LIGHT SEQUENCE COVERING THE ENTIRE RAM. **DETECTABLE WARNING SURFACE SHALL BE BLACK IN COLOR (UNLESS OTHER WISE APPROVED BY CITY ENGINEER)**
20. NCDOT ADA RAMP STANDARD ON 848.06 SHALL BE APPROVED PRIOR TO USING.

SHELBY STANDARD DETAILS - 2024		CURB RAMP NOTES	 2.06C
DATE	DESCRIPTION		

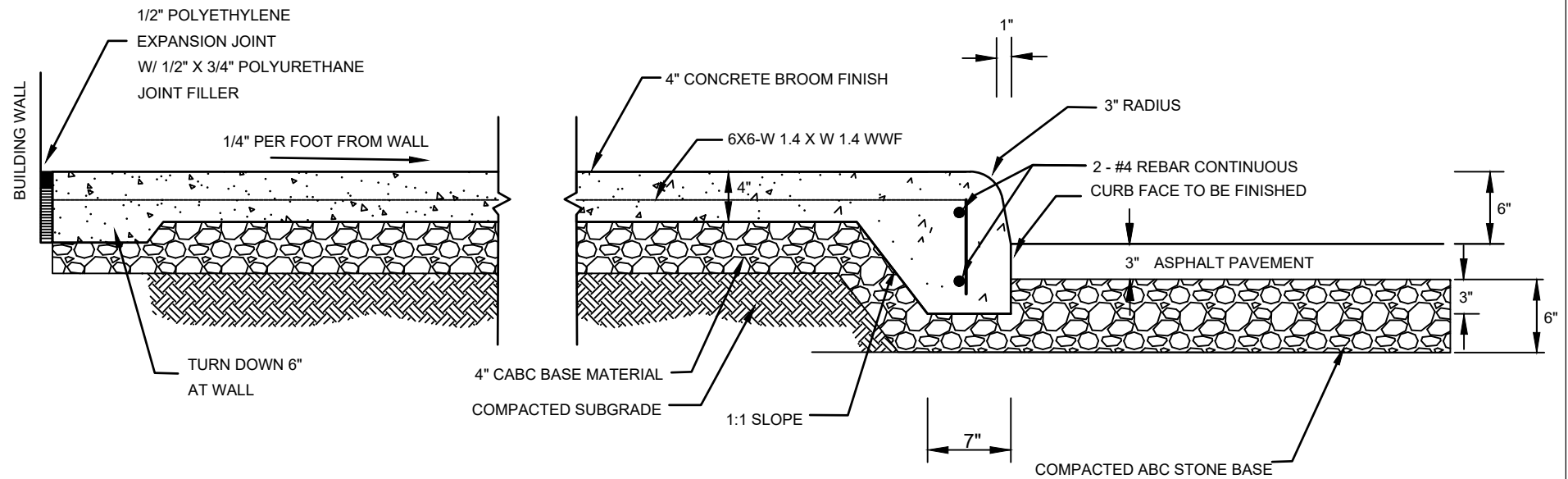


- 1 8.33% (12:1) MAX RAMP SLOPE
- 2 CROSS SLOPE: 2.00%
- 3 MAXIMUM CROSS SLOPE AND LONGITUDINAL SLOPE OF 2.00%

 PAY LIMITS FOR 1 CURB RAMP

NOTE:

1. TO BE USED WHERE MONOLITHIC SIDEWALK/CURB IS BEING INSTALLED/REPLACED.
2. $\frac{1}{2}$ " EXPANSION JOINT TO BE LOCATED A MAX DISTANCE OF 50' APART
3. CONCRETE SHALL BE A MINIMUM OF 3000 PSI.



SHELBY STANDARD DETAILS - 2024

DATE	REVISIONS

STANDARD TURNDOWN
SIDEWALK



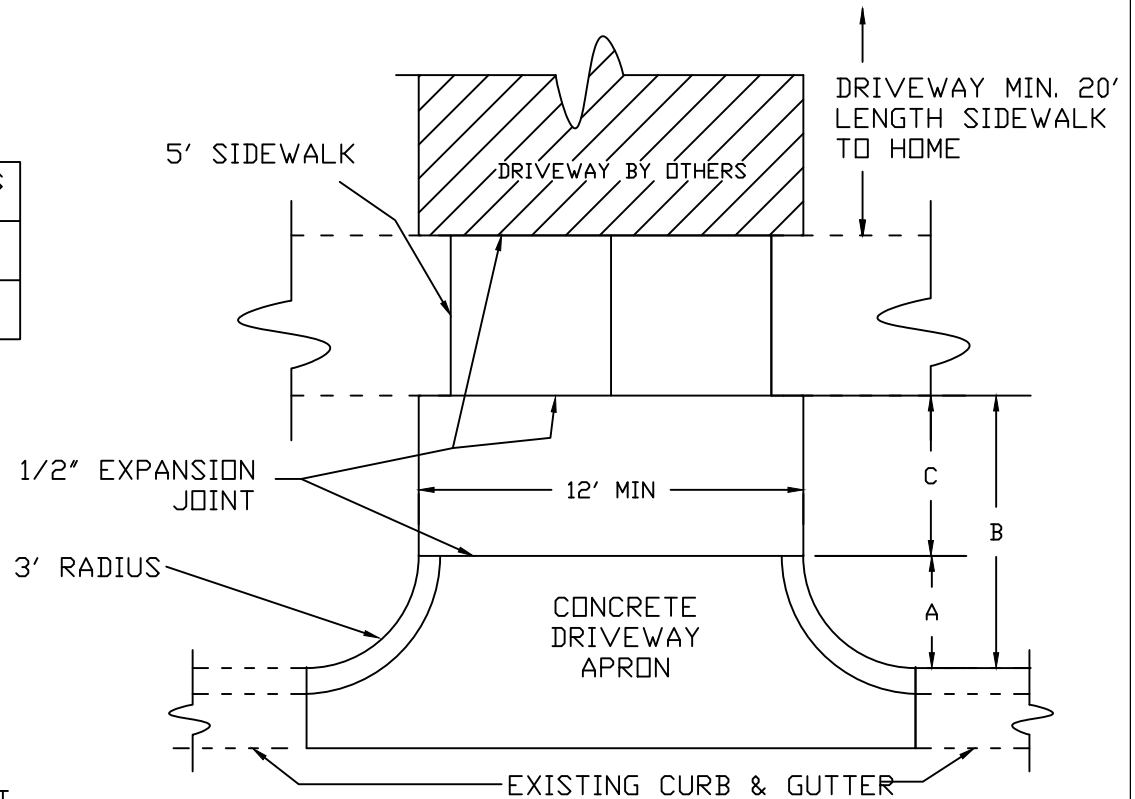
2.07

STREET WIDTH	A	B	C	FALL TOWARDS STREET
32' B-B	3'	5'	2'	1/2" PER 1'
28' B-B	3'	5'	2'	1/2" PER 1'

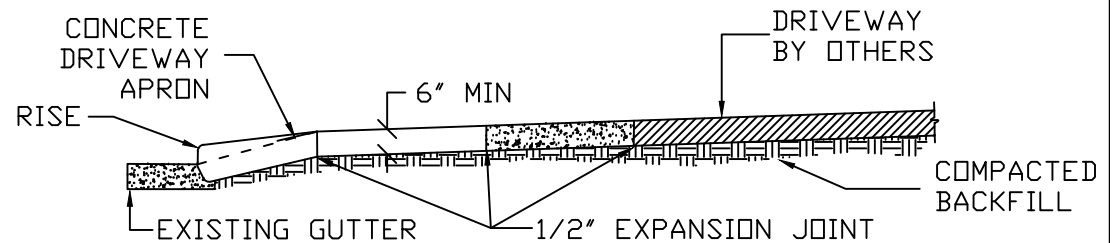
FOR DRIVEWAY GRADE PLEASE REFER TO STANDARD DETAIL 2.08

NOTES TO CONTRACTOR:

1. RESIDENTIAL DRIVEWAYS TO BE 12' TO 20' IN WIDTH.
2. ALL CONCRETE SHALL BE 3000 PSI.
3. IF CURB CUT IS REQUIRED PLEASE CONTACT CITY OF SHELBY ENGINEERING DEPARTMENT.
4. IF CURB CUT IS WITHIN 5' FROM A JOINT, THEN THE CUT SHALL BE MADE AT THAT JOINT.
5. CONTRACTOR IS RESPONSIBLE FOR PATCH ASPHALT. ASPHALT SHALL BE PATCH WITH HOT ASPHALT SURFACE
6. ALL DRIVEWAYS SHALL BE INSTALLED WITH A SIDEWALK SECTION AND UTILITY STRIP AS SHOWN. SIDEWALK SECTIONS SHALL HAVE 1/4" PER FOOT FALL TOWARDS THE STREET. SIDEWALK SECTION SHALL BE 6" THICK WITH WELDED WIRE MESH PLACED IN THE CENTER.



PLAN VIEW



SECTION VIEW

SHELBY STANDARD DETAILS - 2024

DATE	REVISION

STANDARD RESIDENTIAL DRIVEWAY APRON



2.08