

RESOLUTION NO. 2017-11

A RESOLUTION OF THE BOROUGH OF MARIETTA ADOPTING SPECIFICATIONS FOR THE CONSTRUCTION AND RECONSTRUCTION OF SIDEWALKS AND CURBS PURSUANT TO CHAPTER 80, CODIFIED AS CHAPTER 300 OF THE CODE OF THE BOROUGH OF MARIETTA, AND PROVIDING THAT THIS RESOLUTION SHALL TAKE EFFECT AS PROVIDED BY LAW.

WHEREAS, the Council of the Borough of Marietta (the "Borough Council") enacted Section 6 of Chapter 80, codified as section 7 of Chapter 300 (300-7), with the intent and purpose of, among other things, specifying the standards and requirements for sidewalk and curb construction. These specification replace previous Resolution 10-2007.

NOW, THEREFORE, BE IT RESOLVED by the Council of the Borough of Marietta, Lancaster County, Pennsylvania, that the following specifications for sidewalks and curbs hereafter constructed or reconstructed are hereby adopted by the Borough Council.

SECTION 1. GENERAL PURPOSES: In accordance with Section 80-6, codified as 300-7 of the Code of the Borough of Marietta, Borough Council adopts these specifications by resolution to govern the construction and/or reconstruction of sidewalks and curbs.

SECTION 2. GRADES: The grade to which every curb or sidewalk shall be hereafter laid, constructed or repaired, other than that established by an approved subdivision plan, shall be approved in advance of construction by the Borough Engineer.

SECTION 3. SIDEWALK WIDTH AND LOCATION: The space between street side of the curb to the street side of the paved edge of the sidewalk shall be seven (7) inches. For all new sidewalk construction, the sidewalk paved width shall be four (4) feet and no (0) inches, provided that if any adjacent connecting sidewalk is wider than four (4) feet, the sidewalk shall be constructed to the width of the adjacent sidewalk unless a smaller width is approved by Borough Council. For all reconstruction or replacement of sidewalks legally constructed prior to the date of this Specification, such sidewalks shall be reconstructed to the greater of four (4) feet or the existing width of the sidewalk upon such property, unless a smaller width is approved by Borough Council. Borough Council may take existing conditions into consideration in granting exceptions or modifications to the width and location regulations. Prior to granting an exception Borough Council shall receive input from the Borough Engineer.

SECTION 4. DRAINAGE: Finished sidewalks shall have a slope from the back edge of the sidewalk (i.e., the side furthest from the street) to the front edge of the sidewalk (i.e., the side closest to the street) of one quarter of an inch (1/4) to the foot.

SECTION 5. INSPECTION: All work shall be inspected by the Borough Engineer or other authorized representative of the Borough. All inspections must be scheduled in

advance with a minimum notice of 72 hours. Inspection must occur prior to concrete or brick placement. Applicant must furnish or cause Applicant's contractor to furnish the Borough with copies of all delivery slips for all materials; stone and concrete delivered to the project site.

SECTION 6. TREES: The Borough will develop a list of trees which typically do not have invasive root systems, i.e. which have not shown an tendency to lift or damage sidewalk and curbing. The use of the trees upon the Borough list as street trees is encouraged. However, by compiling and distributing the list, the Borough makes no representation, guarantee or warranty of any kind with respect to the trees, including but not limited to a guarantee that the trees will not lift or damage the sidewalk or curbing or the heartiness of the trees. Before planting any tree within the sidewalk area, a permit must be obtained showing the position of the tree, and demonstrating that such tree will not interfere with underground lines.

SECTION 7. OTHER SPECIFICATIONS:

- a. All curbs and sidewalks as well as sidewalks across driveways may be constructed separately or monolithically, except for brick sidewalks, which must be constructed separately from the curb. The concrete shall develop a compressive strength of 3,500 pounds per square inch (PSI) in twenty-eight (28) days. Certification of the concrete mix shall be furnished to the Borough.
- b. Curbs shall be constructed to the following specifications: The curbs shall have a vertical depth of not less than eighteen inches (18") and shall be eight inches thick at the base and seven inches (7") thick at the top. Curbs shall be constructed with an eight inch (8") reveal and shall rest on a compacted bed of AASHTO No. 57 crushed stone of a depth of not less than four inches (4"). A reveal of less than eight (8) inches must be approved by Borough Council.
- c. Sidewalks shall not be less than four inches (4") in thickness and shall rest on a compacted bed of AASHTO No. 57 crushed stone of a depth of not less than four inches (4"). For width and location of sidewalk see Section 3.
- d. Mortar shall be used only in case of patching honeycombed concrete and shall be one (1) part cement and two (2) parts of sand or its equal.
- e. Sidewalks shall have clean cut joints, a minimum one inch (1") deep, every five (5) linear feet, and expansion joints every twenty (20) linear feet or less and at structures, and at the end of a days work. Curbs shall have clean cut joints, minimum two inches (2") deep, every ten (10) linear feet maximum to four (4) linear feet minimum, and expansion joints every sixty (60) linear feet or less, and at structures, and at the end of a days work. Expansion joints shall be one-half inch (1/2") wide with premolded expansion joint filler. Expansion joint material shall also be used between any curb and driveway apron. All sidewalks shall have a broom finish.
- f. Sidewalks across driveways shall be at least six inches (6") thick and include

6x6 by 10 gauge welded wire fabric. Sidewalks across driveways shall be constructed to rest on a compacted bed of AASHTO No. 57 crushed stone of a depth of not less than four inches (4"). Driveway widths shall be a maximum of ten feet (10') for single driveways and twenty feet (20') for double driveways, except as approved otherwise by the Borough Council.

- g. All joints between curbs and bituminous roadways shall be sealed with AC-20.
- h. Stamped Concrete Patterns and/or colored concrete shall be submitted to Borough Council for review and approval prior to installation. Submission of this information shall be included with the permit application. Submission does not guarantee approval.
- i. If brick is to be utilized for sidewalks, the applicant must submit the type, color and material specifications with the permit application for review and approval by Borough Council. Submission does not guarantee approval. Brick sidewalks must either be installed on a concrete base or a compacted bed of AASHTO No. 57 crushed stone base of not less than four inches (4") in thickness. The brick shall be tight set and, if applicable, placed when the concrete is wet. Fine sand shall be brushed into the joints. The concrete shall develop to a compressive strength of 3,000 pounds per square inch (PSI) in twenty-eight (28) days. If concrete is used, it shall rest on a compacted bed of AASHTO No. 57 crushed stone of a depth of not less than four inches (4"). For width and location of sidewalk see Section 3.
- j. Sidewalks and curbs shall be constructed in accordance with the requirements of Chapter 80, Article 1A, codified as Chapter 300, section 3, of the Code of the Borough of Marietta, and all other applicable laws, rules and regulations.

SECTION 8. COMPLIANCE WITH AMERICANS WITH DISABILITIES ACT STANDARDS:

Any and all terms, conditions, specifications, or requirements of this Specification shall be consistent with the terms, conditions, standards and specifications as may be established by or in accordance with the Americans with Disabilities Act or any Codes, regulations, standards, specifications, administrative requirements, etc., as may be adopted by the appropriate authorized agencies to implement the terms and conditions of said Act or any amendments thereto as may be hereinafter adopted or implemented by any federal, State or county regulatory agency as if said standards, conditions, regulations, Codes or requirements were incorporated herein at length.

SECTION 9. EXHIBITS: The attached exhibits are incorporated into and a part of these specifications.

Duly resolved and enacted this 10th day of October, 2017, by the Borough Council of the Borough of Marietta.

Attest:

Marietta Borough Council

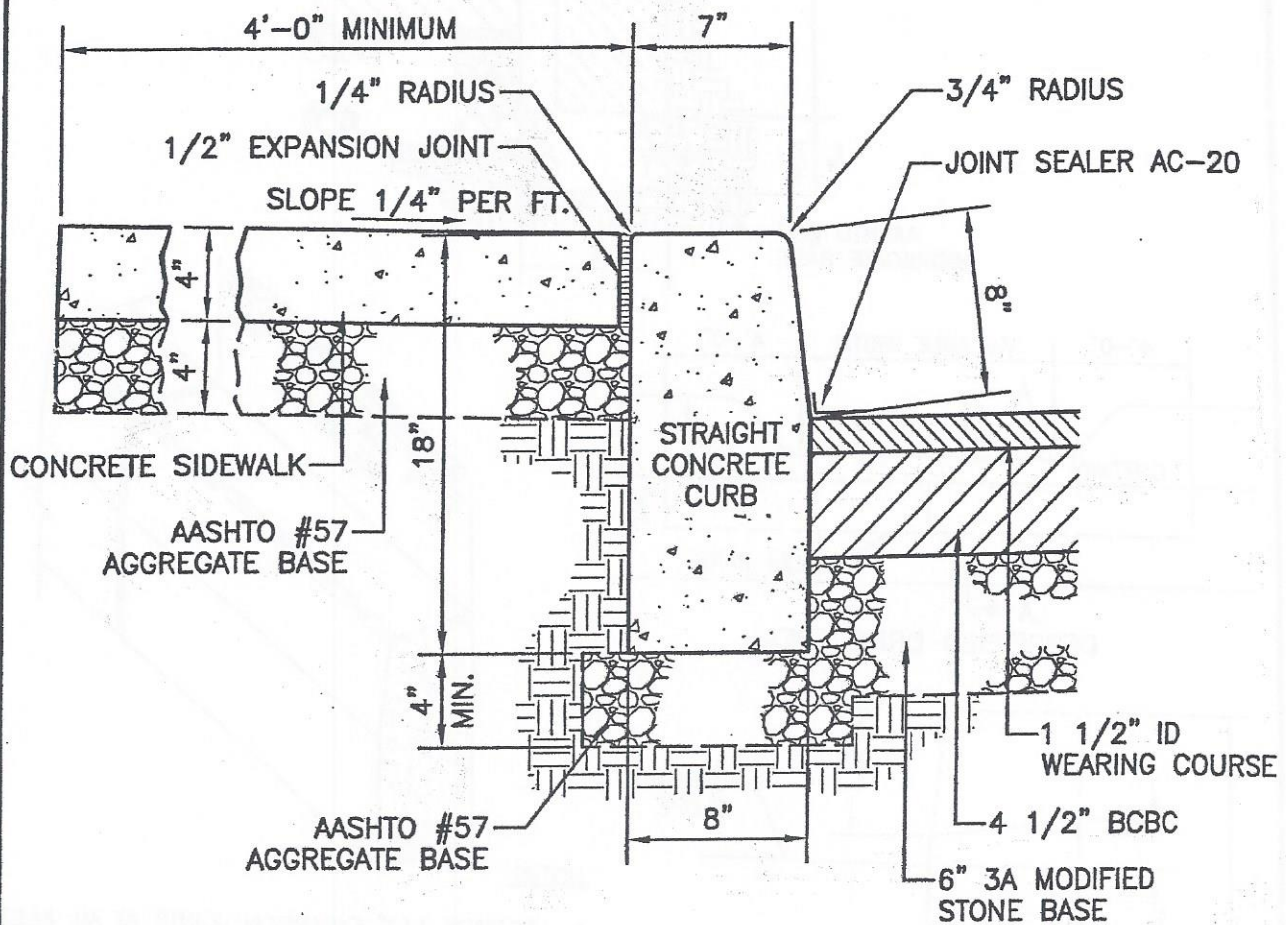
Shaun A. Bradnick
Borough Secretary/Treasurer

Bridey Hannold
Bridey Hannold, President

SEAL

Council members:

Harold Kulman, Vice-President
Glen Mazis
James Sargen
Leah Nagle
Marcus Snow
Steven Foreman
Raymond Vegso, Mayor



NOTE:
A PLANTING STRIP BETWEEN THE CURB AND SIDEWALK MAY BE PERMITTED AS APPROVED BY THE BOROUGH

Marietta Borough

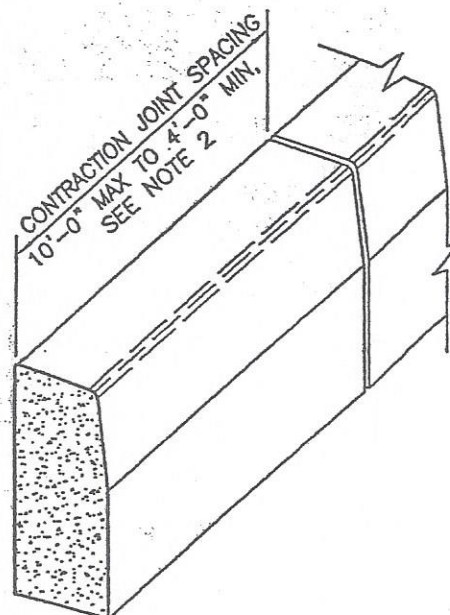
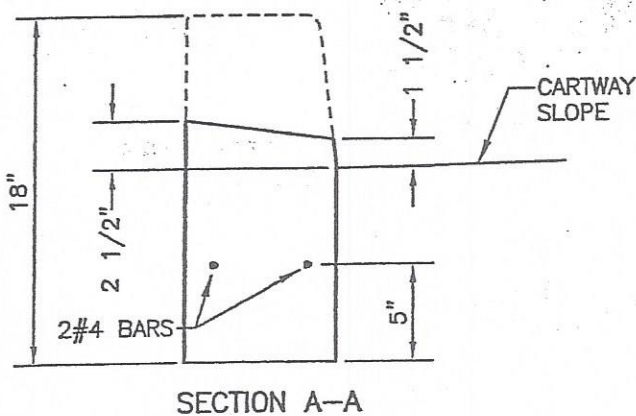
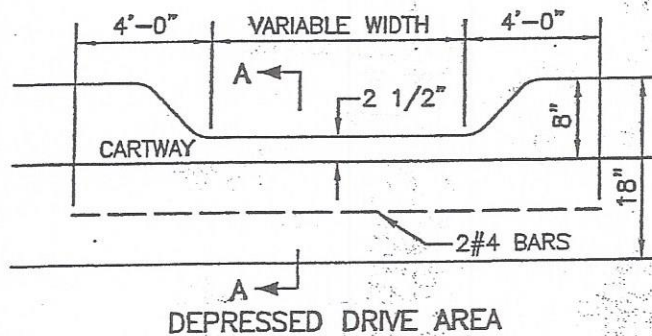
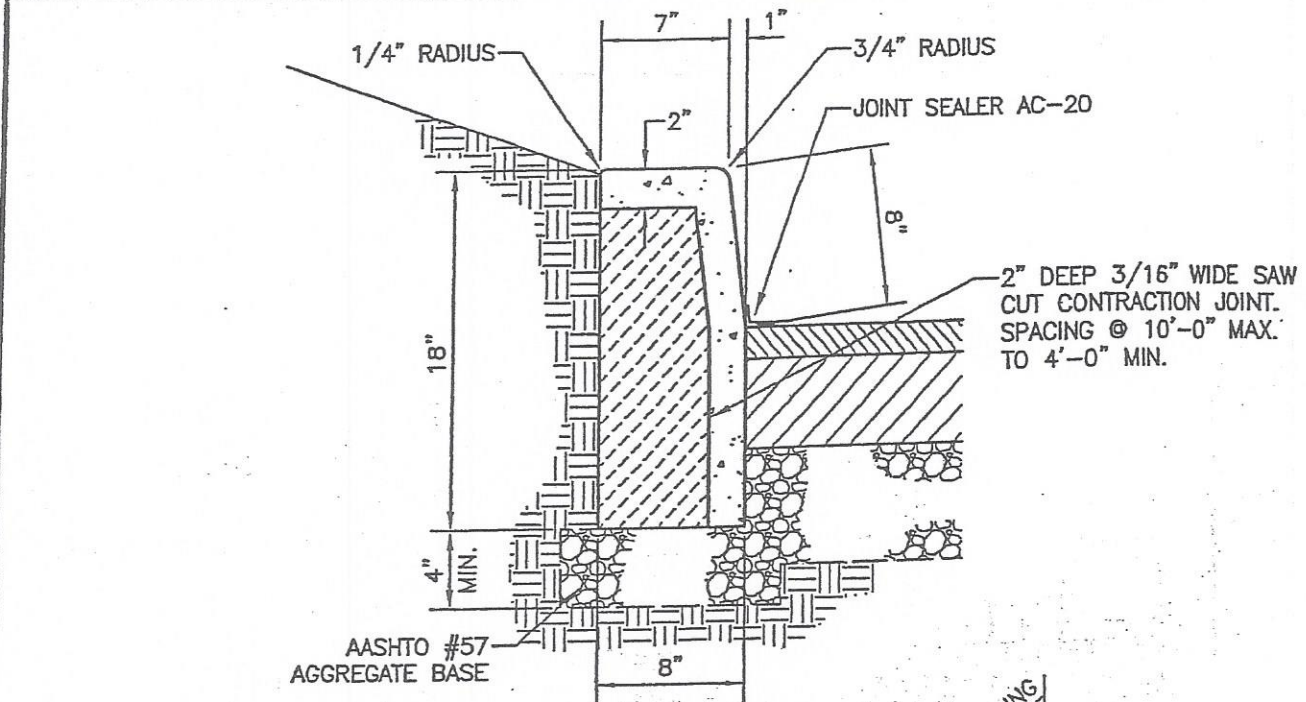
STANDARD DETAIL - CURB AND SIDEWALK

ARRO
ARRO Consulting, Inc.

CURB/SIDEWALK DETAIL

DATE: AUGUST 2017

DETAIL: A



NOTES:

1. PROVIDE 1/2" EXPANSION JOINTS AT ALL INLETS AND STRUCTURES.
2. CEMENT CONCRETE SHALL BE CLASS A (3500 PSI).
3. CURB SHALL BE CONSTRUCTED ON A MINIMUM OF 4" AASHTO #57 AGGREGATE BASE.

Marietta Borough

STANDARD DETAIL - CURB AND SIDEWALK

STRAIGHT CURB DETAIL

ARRO
ARRO Consulting, Inc.

DATE: FEBRUARY 2007

DETAIL: B

NOTES:

1. PROVIDE 1/2" EXPANSION JOINT MATERIAL WHERE CURB CUT RAMP ADJOINS ANY RIGID PAVEMENT, SIDEWALK OR STRUCTURE WITH THE TOP OF JOINT FILLER FLUSH WITH ADJACENT CONCRETE SURFACE.
2. DIMENSION AND SLOPES SHOULD BE ADHERED TO UNLESS EXISTING CONDITIONS REQUIRE SPECIAL DESIGN BASED ON ROADWAY GRADES.
3. PROVIDE SLIP RESISTANT TEXTURE ON CURB CUT RAMP BY COURSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP. EXTEND TEXTURE THE FULL WIDTH AND LENGTH OF THE CURB CUT RAMP INCLUDING FLARED SIDE RAMP.
4. DETECTABLE WARNING OF TRUNCATED DOMES SHALL BE CONSTRUCTED 2 FEET WIDE AT THE BACK OF CURB.
5. THE DETECTABLE WARNING SURFACE SHALL BE OF A CONTRASTING COLOR (BRICK RED).
6. ADDITIONAL DETAILS AND NOTES PROVIDED IN RC-67M, APR. 15, 2004.

TABLE A
TYPICAL CURB CUT RAMP DIMENSIONAL ELEMENTS
FOR TYPE I CURB CUT RAMPS

RISE OF RAMP	D	E	L	S	S _R	W	X	Y	Z
3"	3'-0"	5'-0"	3'-0"	8:1	12:1	3'-0"	3'-0"	2'-0"	10'-0"
3"	3'-0"	6'-0"	3'-0"	10:1	12:1	3'-6"	3'-0"	2'-6"	10'-0"
3"	3'-0"	7'-0"	3'-0"	12:1	12:1	4'-0"	3'-0"	3'-0"	10'-0"
4"	4'-0"	8'-0"	2'-0"	12:1	10:1	4'-0"	3'-6"	4'-0"	8'-0"
5"	4'-0"	9'-0"	—	12:1	10:1	4'-0"	4'-0"	5'-0"	6'-0"
6"	4'-0"	10'-0"	—	12:1	10:1	4'-0"	5'-0"	6'-0"	4'-0"
7"	4'-0"	11'-0"	—	12:1	10:1	4'-0"	6'-0"	7'-0"	2'-0"
8"	4'-0"	12'-0"	—	12:1	10:1	4'-0"	*7'-0"	8'-0"	—

*5'-0" on M.C. Side

DEFINITIONS

D = WIDTH OF CURB CUT RAMP.
E = WIDTH OF SIDEWALK SECTION.
L = LENGTH NEEDED TO MAINTAIN
12:1 SLOPE ALONG THE FACE
OF THE CURB.
S = SLOPE SIDE RAMP SLOPE.
S_R = FLARED SIDE RAMP SLOPE.

W = WIDTH OF LANDING AREA.
X = LENGTH NEEDED TO MAINTAIN
SELECTED SLOPE ALONG THE
FACE OF THE CURB.
Y = LENGTH OF CURB CUT RAMP.
Z = LENGTH NEEDED TO MAINTAIN
24:1 SLOPE ON CURB AND
SIDEWALK AREAS.

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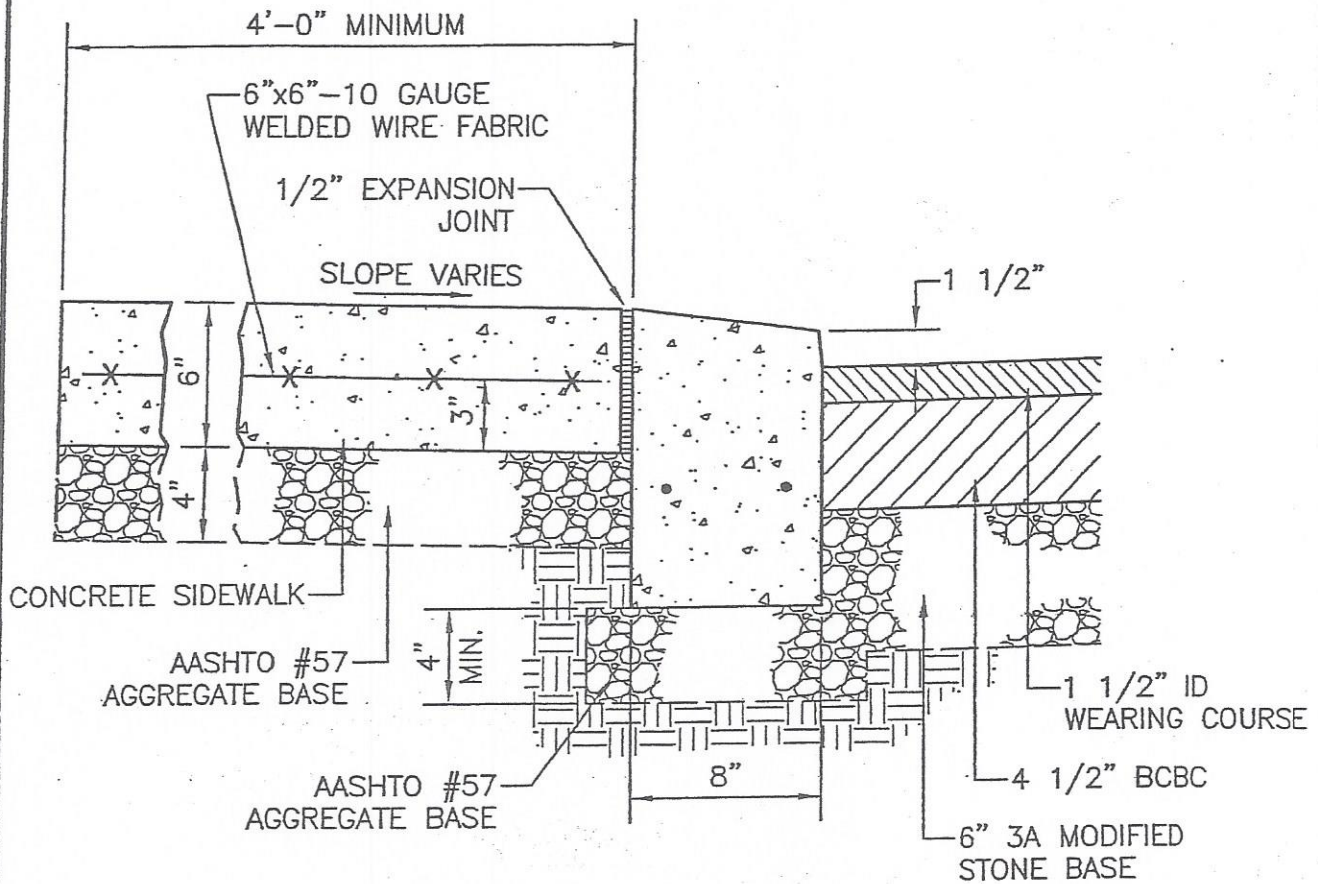
STANDARD DETAIL - CURB AND SIDEWALK

TYPE I HANDICAP RAMP DETAIL

ARRO
ARRO Consulting, Inc.

DATE: FEBRUARY 2007

DETAIL: D (2 OF 2)



Marietta Borough

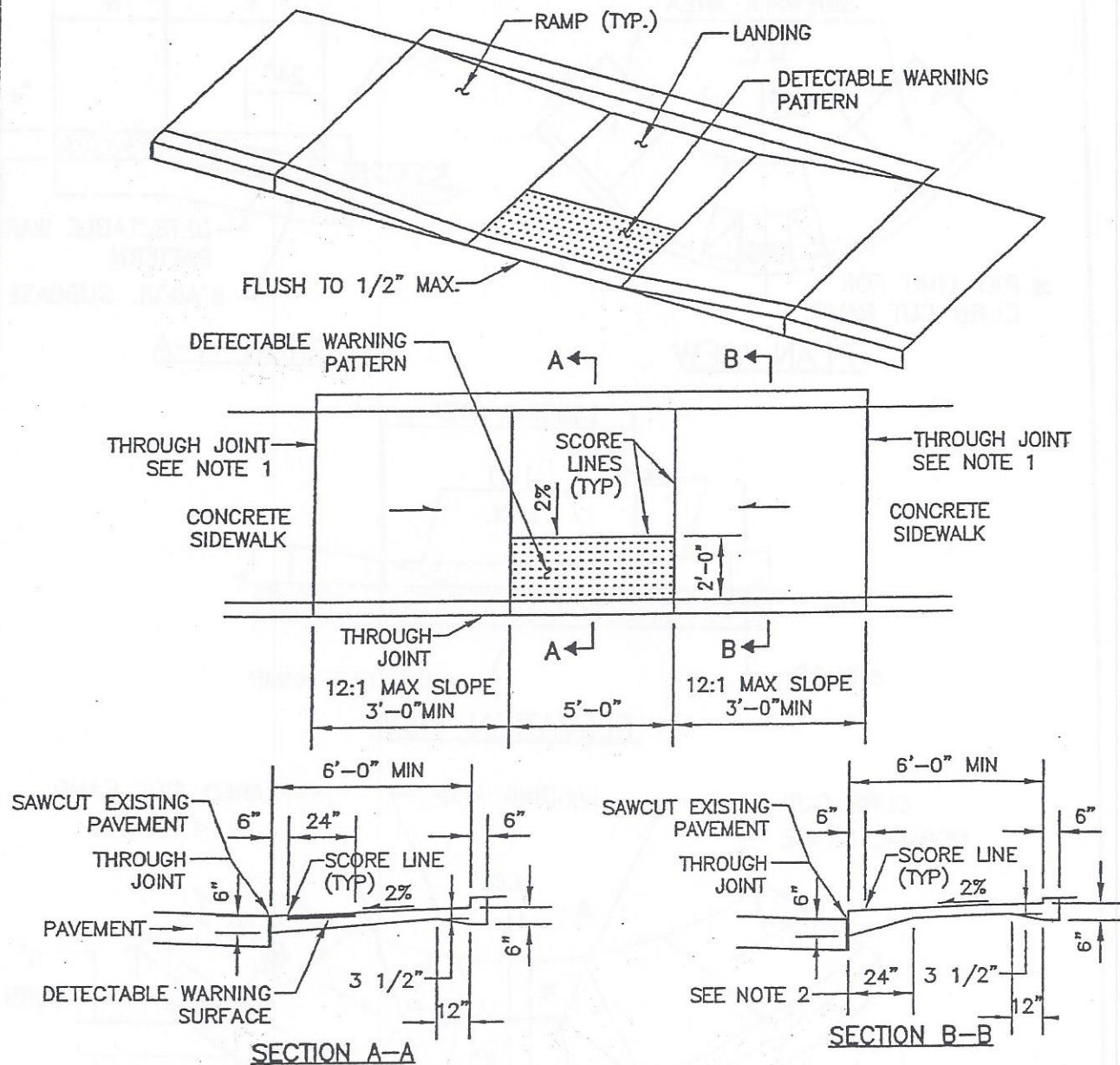
STANDARD DETAIL - CURB AND SIDEWALK

ARRO
ARRO Consulting, Inc.

SIDEWALK ACROSS DRIVEWAY DETAIL

DATE: FEBRUARY 2007

DETAIL: E



NOTES:

1. CURB RAMPS SHALL BE ISOLATED FROM ALL OTHER CONCRETE BY THROUGH JOINTS.
2. THE SIDEWALK THICKENED EDGE SHALL BE CONTINUED THROUGH BOTH RAMPS.
3. NEW PAVEMENT SHALL BE BLOCKED OUT FULL DEPTH. EXISTING PAVEMENT SHALL BE REMOVED AT THE FACE OF THE CURB.

Marietta Borough

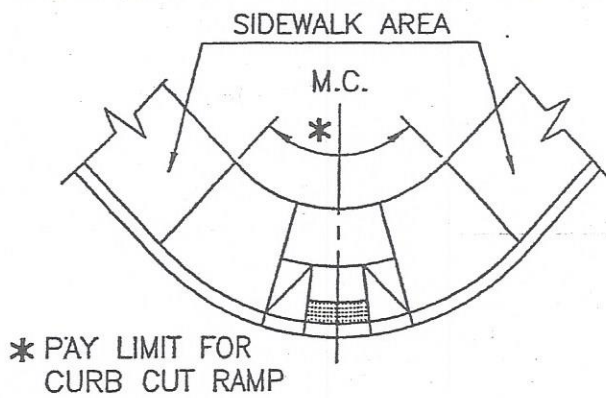
STANDARD DETAIL - CURB AND SIDEWALK

TYPE I HANDICAP RAMP DETAIL

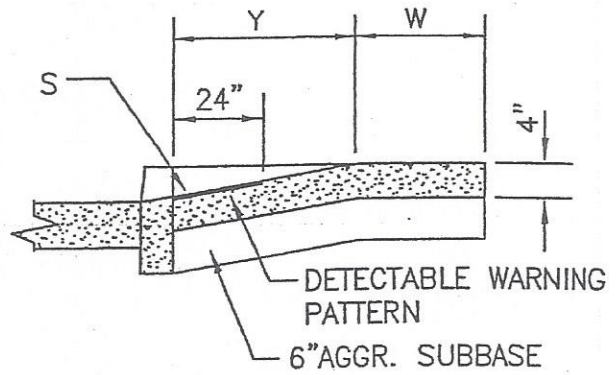
ARRO
ARRO Consulting, Inc.

DATE: FEBRUARY 2007

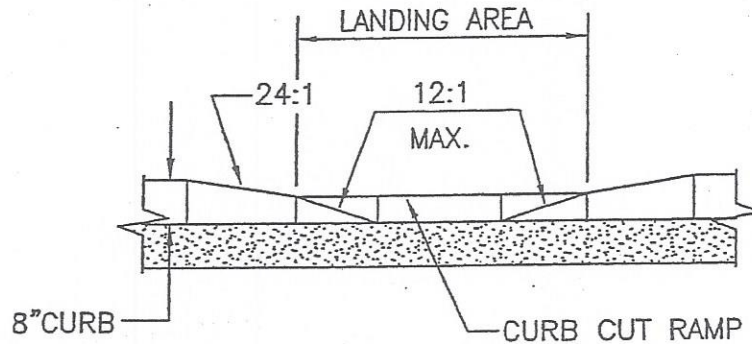
DETAIL: C



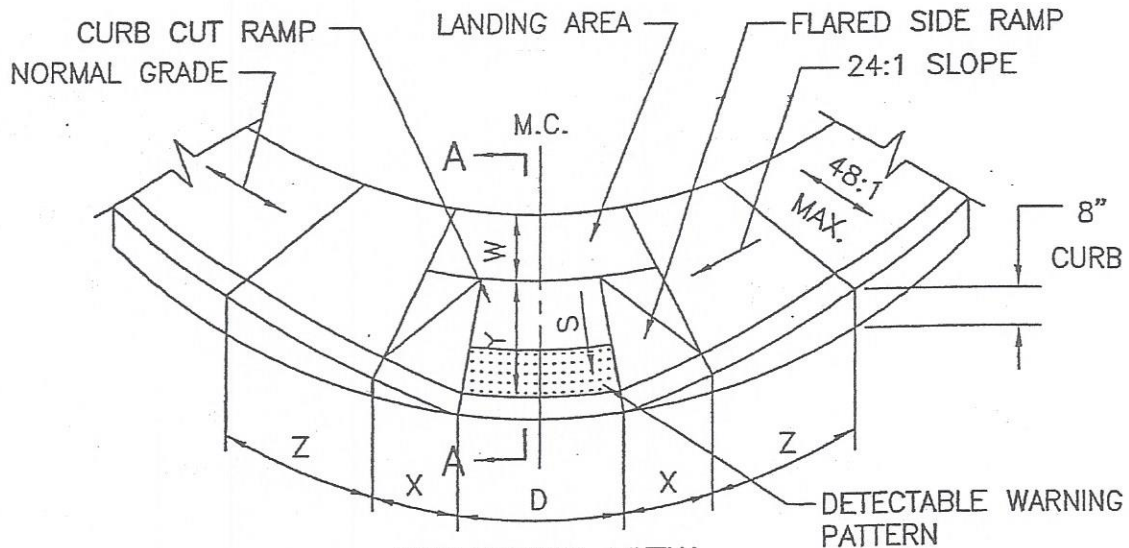
PLAN VIEW



SECTION A-A



ELEVATION VIEW



ISOMETRIC VIEW

Marietta Borough

STANDARD DETAIL - CURB AND SIDEWALK

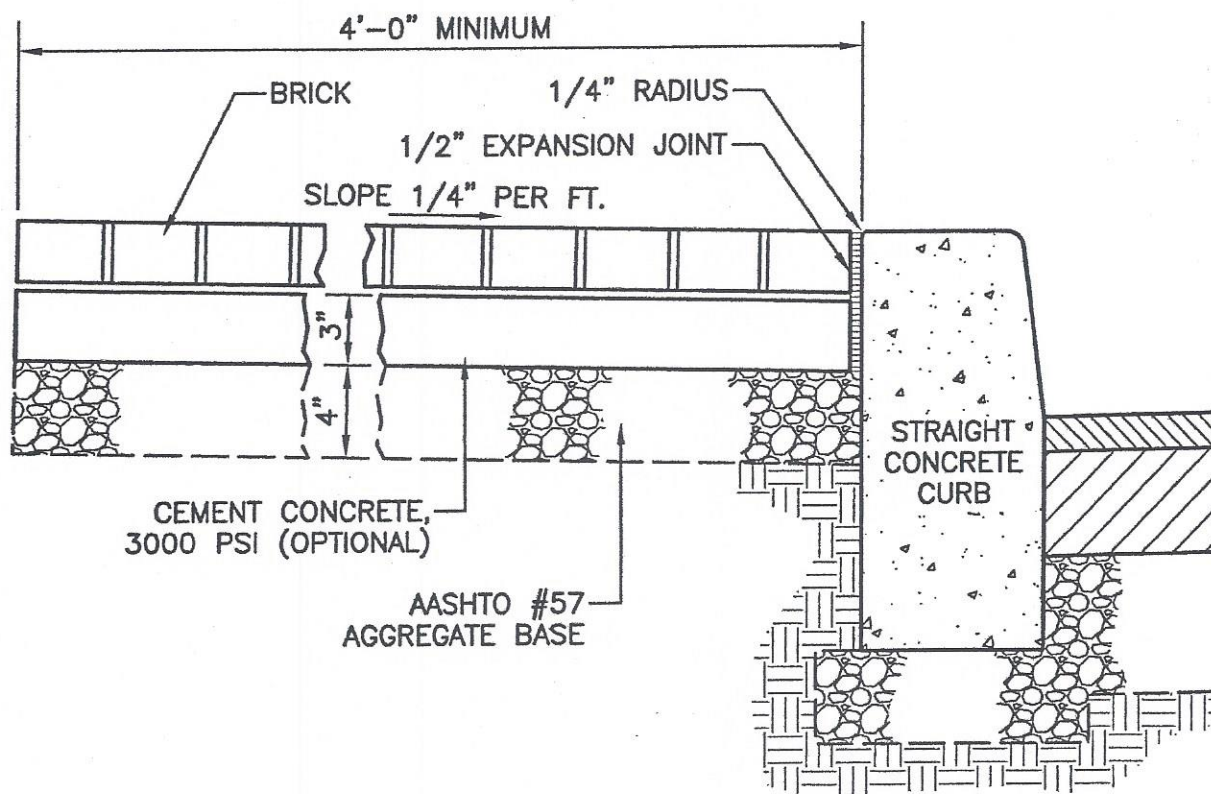
TYPE I HANDICAP RAMP DETAIL

ARRO
ARRO Consulting, Inc.

DATE: FEBRUARY 2007

DETAIL: D (1 OF 2)

Dwg. Name: 05823606.DWG Last Revised: 02/08/07 15:09



NOTE:
A PLANTING STRIP BETWEEN THE CURB AND
SIDEWALK MAY BE PERMITTED AS APPROVED
BY THE BOROUGH

Marietta Borough

STANDARD DETAIL - CURB AND SIDEWALK

BRICK SIDEWALK DETAIL

ARRO
ARRO Consulting, Inc.

DATE:
AUGUST 2017

DETAIL:
F