

<u>DRAWING NO.</u>	<u>TITLE</u>
SW1	CURB AND GUTTER JOINT DETAIL
SW2	MONOLITHIC INTEGRAL CURBWALK
SW3	CONCRETE CROSS PAN
SW4A	DRIVE CUT – DETACHED WALK
SW4B	DRIVE CUT – ATTACHED WALK
SW5	CURB RAMP TYPE 1 ATTACHED WALK
SW6	CURB RAMP TYPE 2A ATTACHED WALK
SW7	CURB RAMP TYPE 4 DETACHED WALK
SW8	CURB RAMP TYPE 3 DETACHED WALK
SW9A	CURB RAMP MID BLOCK TYPE 1 DETACHED WALK
SW9B	CURB RAMP MID BLOCK TYPE 3 DETACHED WALK
SW9C	CURB RAMP MID BLOCK TYPE 2 ATTACHED WALK
SW10	MOUNTABLE CURB SECTION
SW11	VERTICAL CURB SECTION
SW12A	6" VERTICAL CURB, GUTTER AND DETACHED WALK
SW12B	6" MOUNTABLE CURB, GUTTER AND DETACHED WALK
SW13	SIDEWALK DESIGN STANDARDS

INDEX OF CURB, GUTTER AND SIDEWALK DETAILS



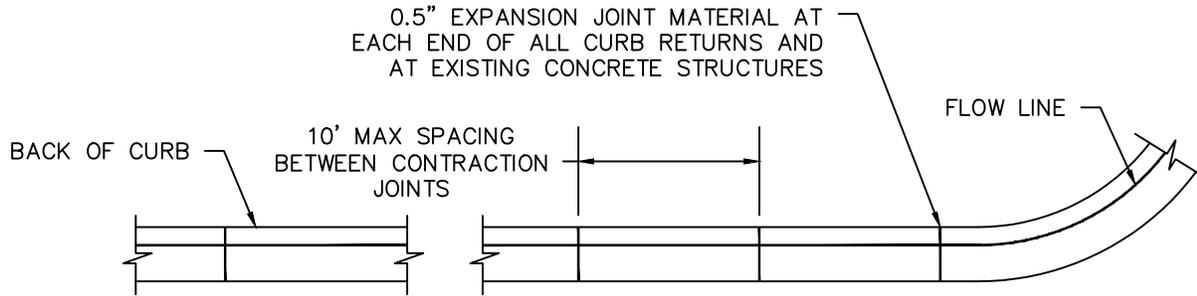
**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

BY: JME

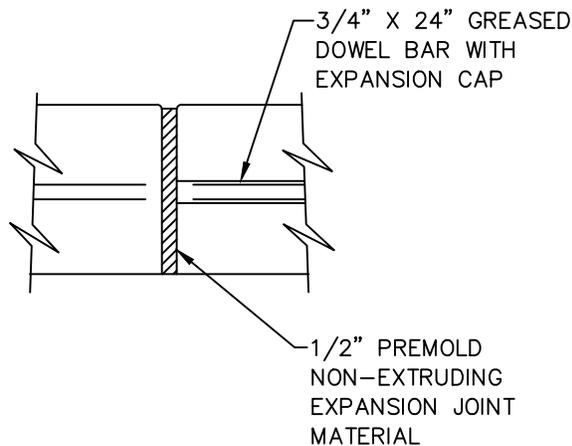
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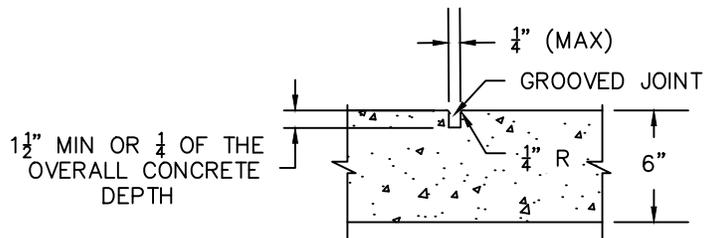
DRAWING:



LAYOUT



EXPANSION JOINT



JOINT SHALL BE TOOLED IN LIEU OF SAWCUTTING AT TIME OF RAMP INSTALLATION BEFORE CONCRETE HAS HARDENED.

CONTRACTION JOINT

NOTES:

1. EXPANSION JOINT MATERIAL SHALL BE NON-EXTRUDING AND RESILIENT TYPE TO MEET AASHTO SPEC. M-213.
2. ANY OVER-EXCAVATION SHALL BE REPLACED BY GRANULAR BACKFILL COMPACTED TO 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698.

CURB AND GUTTER JOINT DETAIL

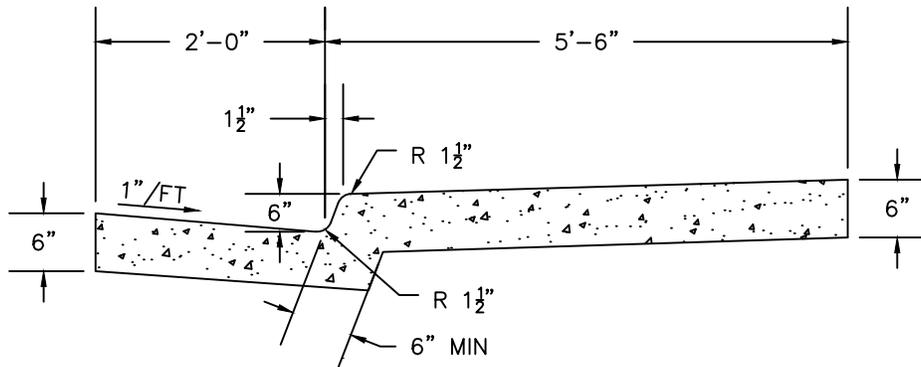


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

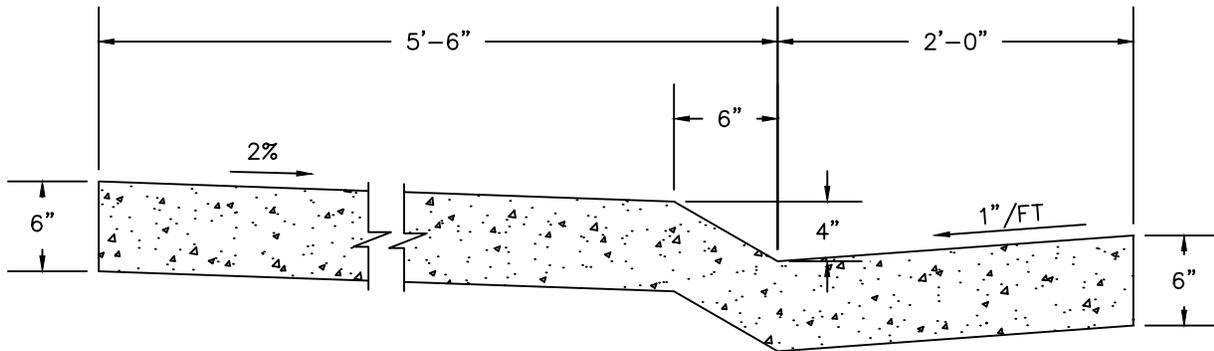
BY: JME
SCALE: NTS
DATE: 1/2020

DRAWING:

SW1



VERTICAL



ROLLOVER

NOTES:

1. EXPANSION JOINT MATERIAL SHALL BE NON-EXTRUDING AND RESILIENT TYPE TO MEET AASHO SPEC. M-213.
2. ANY OVER-EXCAVATION SHALL BE REPLACED BY GRANULAR BACKFILL COMPACTED TO 95% MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698.
3. SEE DETAILS ON DRAWING SW1 FOR EXPANSION AND CONTRACTION JOINT DETAILS.
4. FOR USE IN RESIDENTIAL AREAS OR RESIDENTIAL COLLECTORS ONLY.

MONOLITHIC INTEGRAL CURBWALK

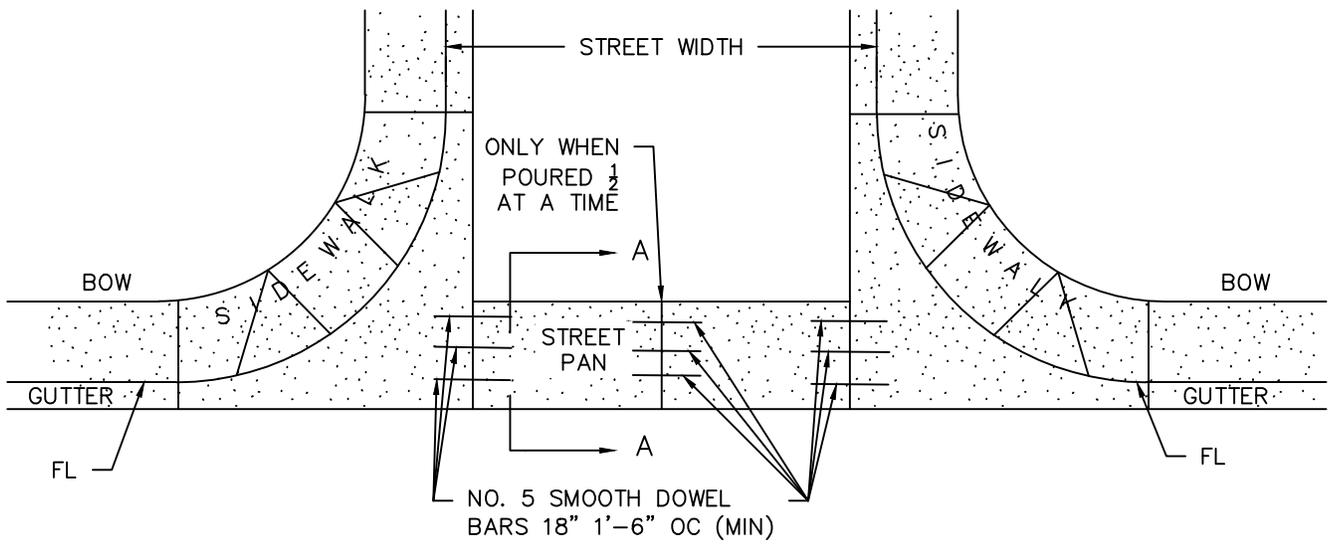


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

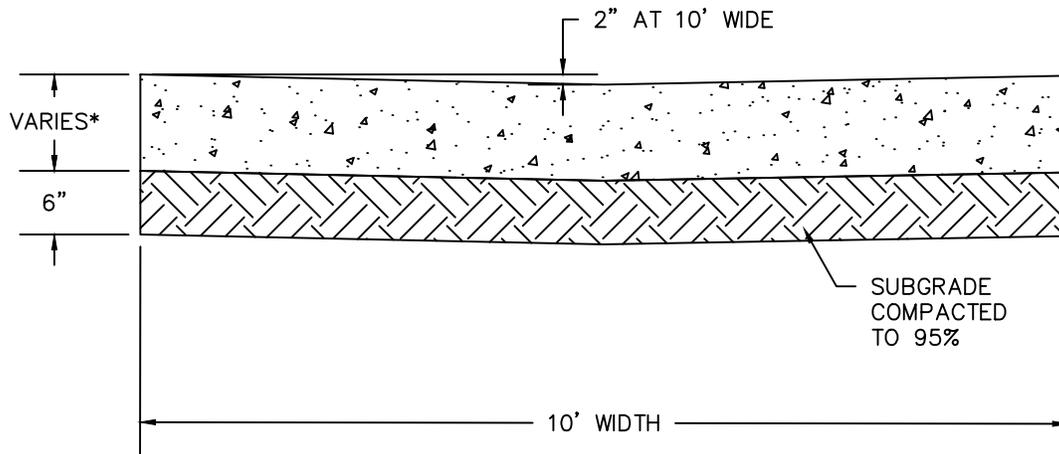
BY: JME
SCALE: NTS
DATE: 1/2020

DRAWING:

SW2



PLAN



SECTION A-A

VARIABLE*
8" - #4 @ 18" OC EACH WAY
10" - NO REBAR REQUIRED

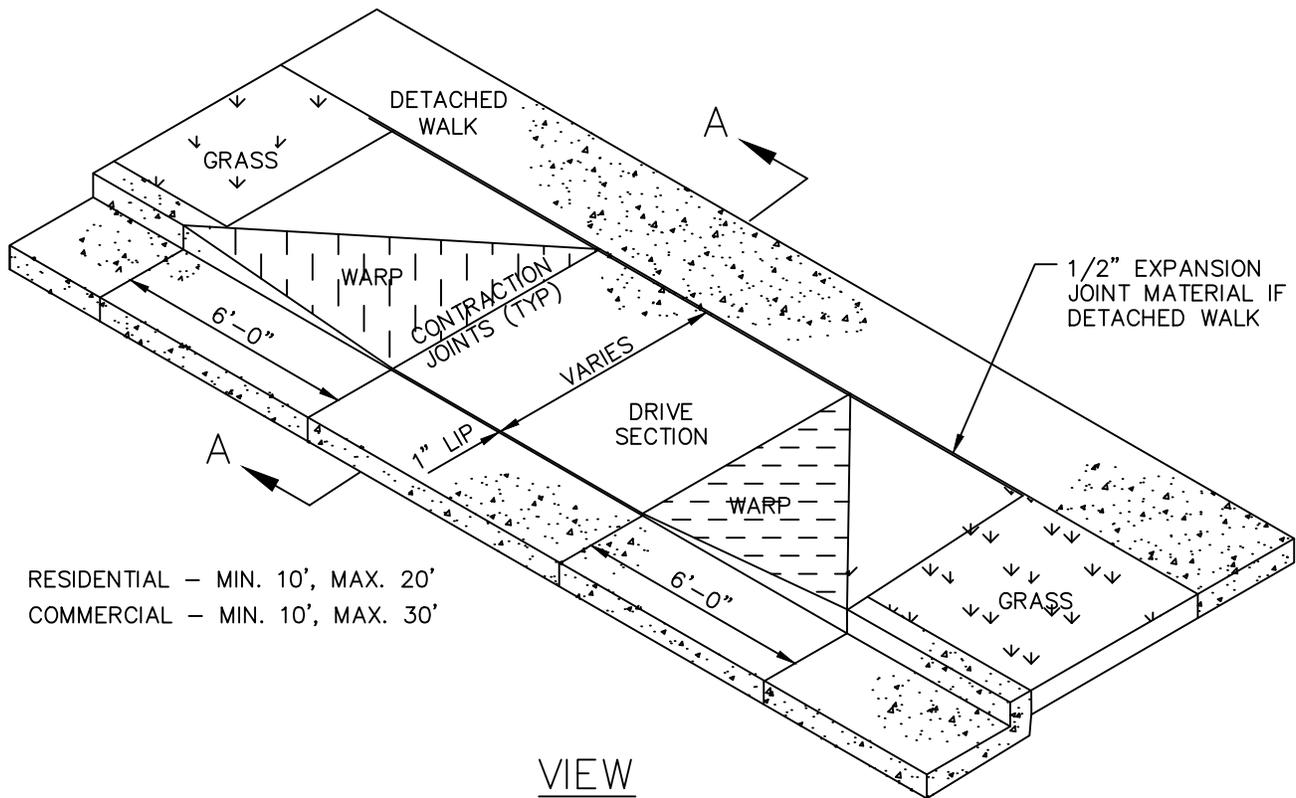
CONCRETE CROSS PAN



CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS

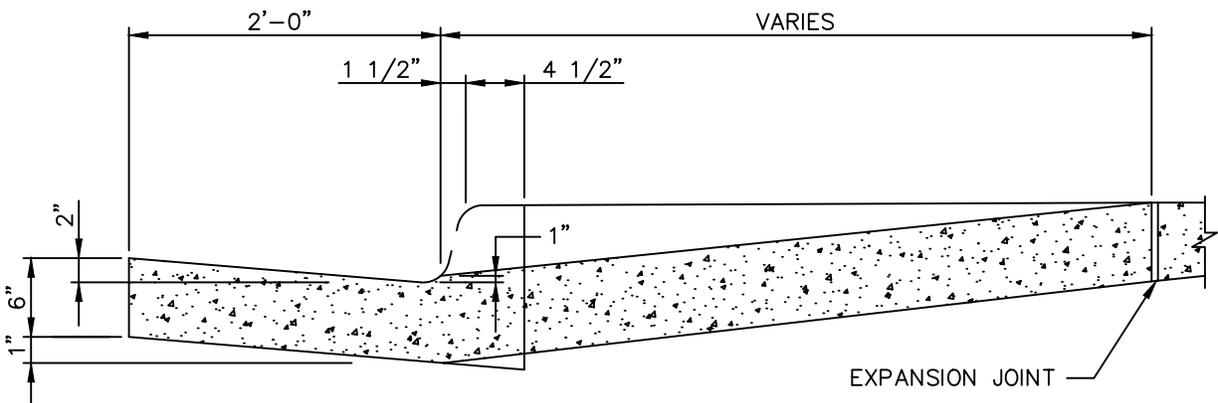
BY: NLH
SCALE: NTS
DATE: 07/2025

DRAWING:
SW3



RESIDENTIAL – MIN. 10', MAX. 20'
 COMMERCIAL – MIN. 10', MAX. 30'

VIEW



SECTION A-A

NOTES:

1. CONTRACTION JOINTS ARE REQUIRED AT EACH SIDE OF WARPED SECTION AND EVERY 10' ALONG THE DRIVE SECTION. SEE DETAILS ON DRAWING SW1 FOR CONSTRUCTION JOINT DETAILS.
2. CHAMFER FRONT EDGE OF CURB AND DRIVE SECTION AS SHOWN IN SECTION A-A.
3. SIDEWALK THICKNESS SHALL BE 6".

DRIVE CUT - DETACHED WALK

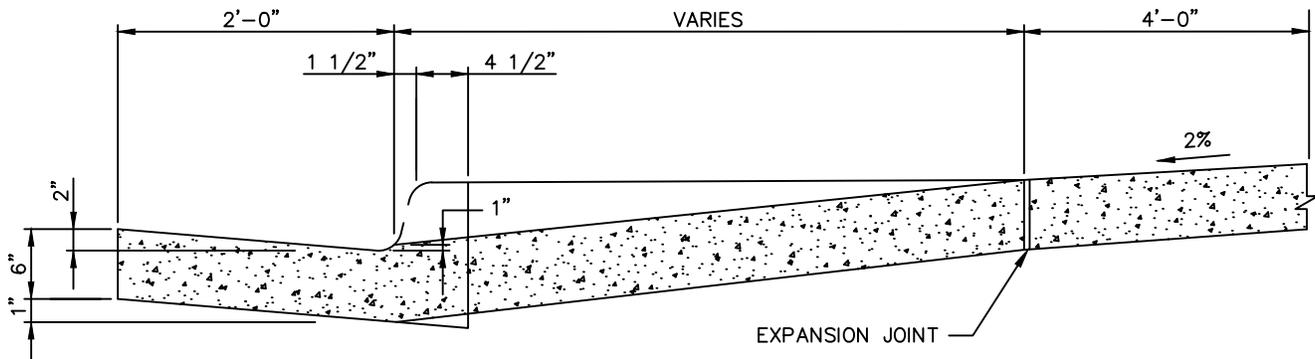
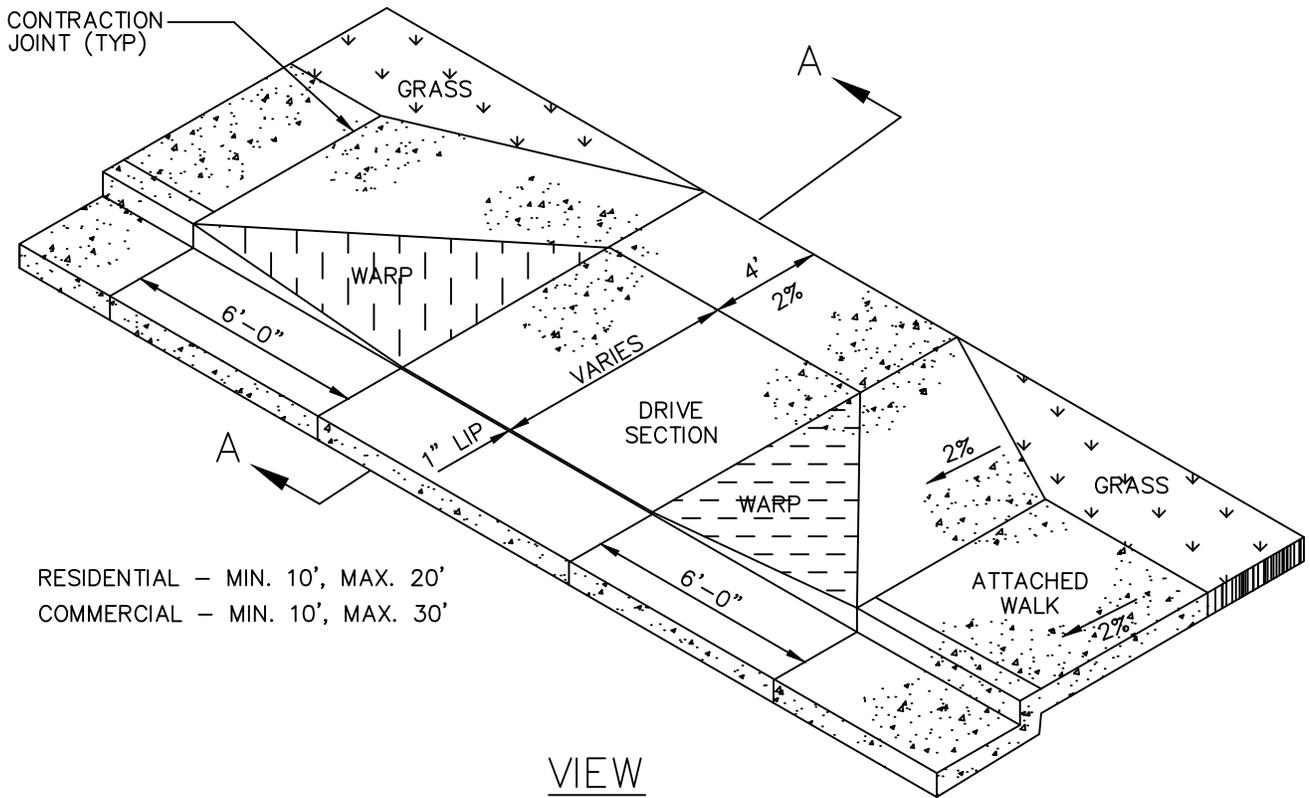


**CURB, GUTTER AND
 SIDEWALK CONSTRUCTION
 DRAWINGS**

BY: JME
 SCALE: NTS
 DATE: 1/2020

DRAWING:

SW4A



SECTION A-A

NOTES:

1. CONTRACTION JOINTS ARE REQUIRED AT EACH SIDE OF WARPED SECTION AND EVERY 10' ALONG THE DRIVE SECTION. SEE DETAILS ON DRAWING SW1 FOR CONSTRUCTION JOINT DETAILS.
2. CHAMFER FRONT EDGE OF CURB AND DRIVE SECTION AS SHOWN IN SECTION A-A.
3. SIDEWALK THICKNESS SHALL BE 6".

DRIVE CUT - ATTACHED WALK

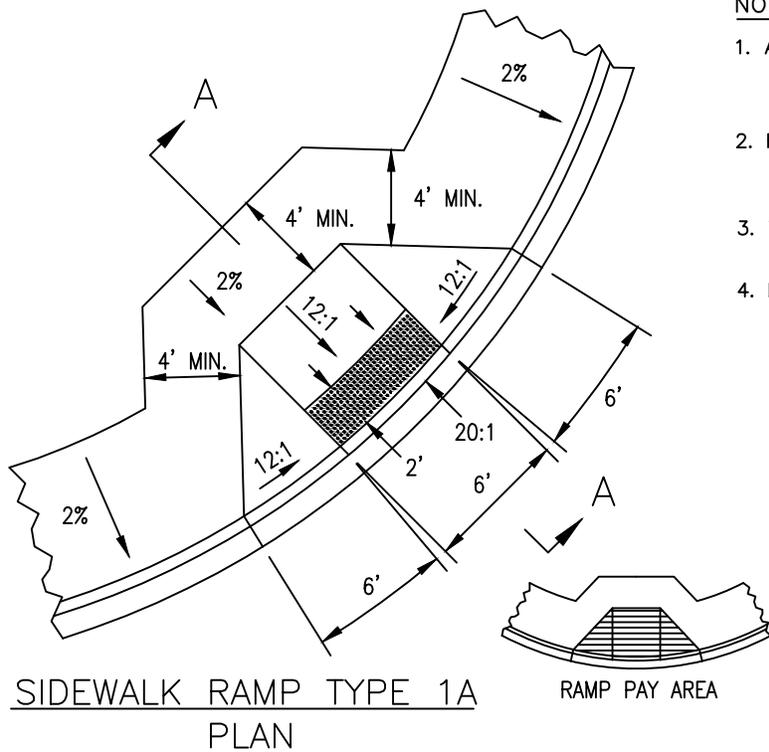


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

BY: JME
SCALE: NTS
DATE: 1/2020

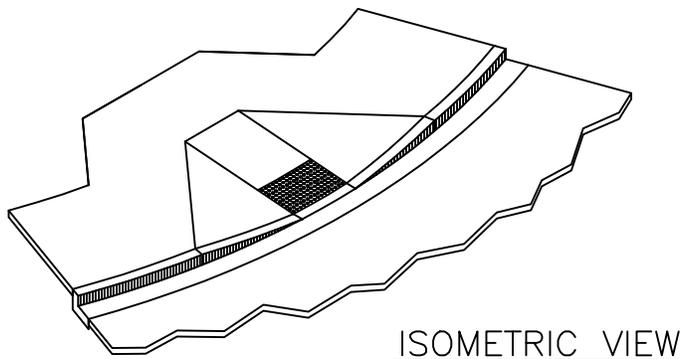
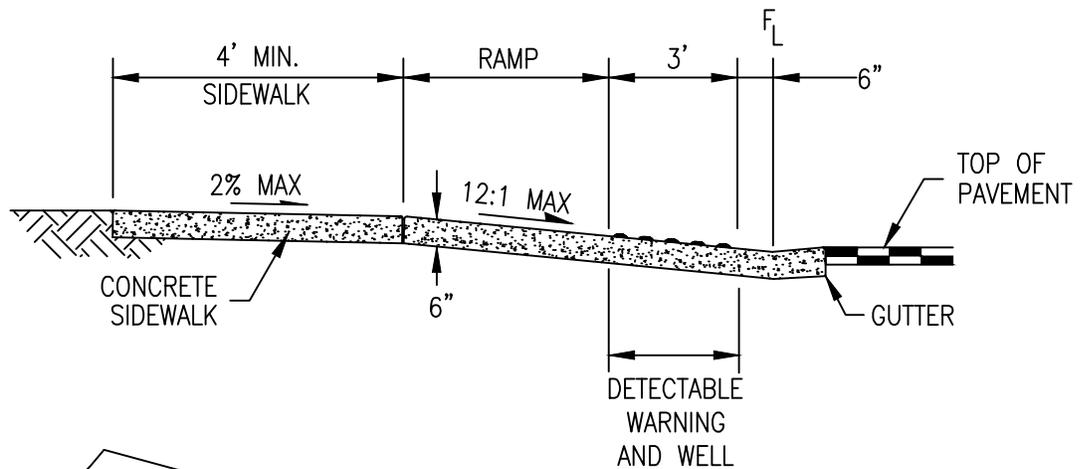
DRAWING:

SW4B



NOTES:

1. AVOID PLACING DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS
2. RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1. THE DETECTABLE WARNING AND WELL AREA SLOPES SHALL NOT BE STEEPER THAN 20:1.
3. THE RAMP AREA SHALL RECEIVE A COARSER BRUSH TREATMENT THAN THE SIDEWALK.
4. DETECTABLE WARNINGS SHALL BE EAST JORDON IRON WORKS 7005 SERIES DETECTABLE WARNING PLATES OR APPROVED EQUAL.



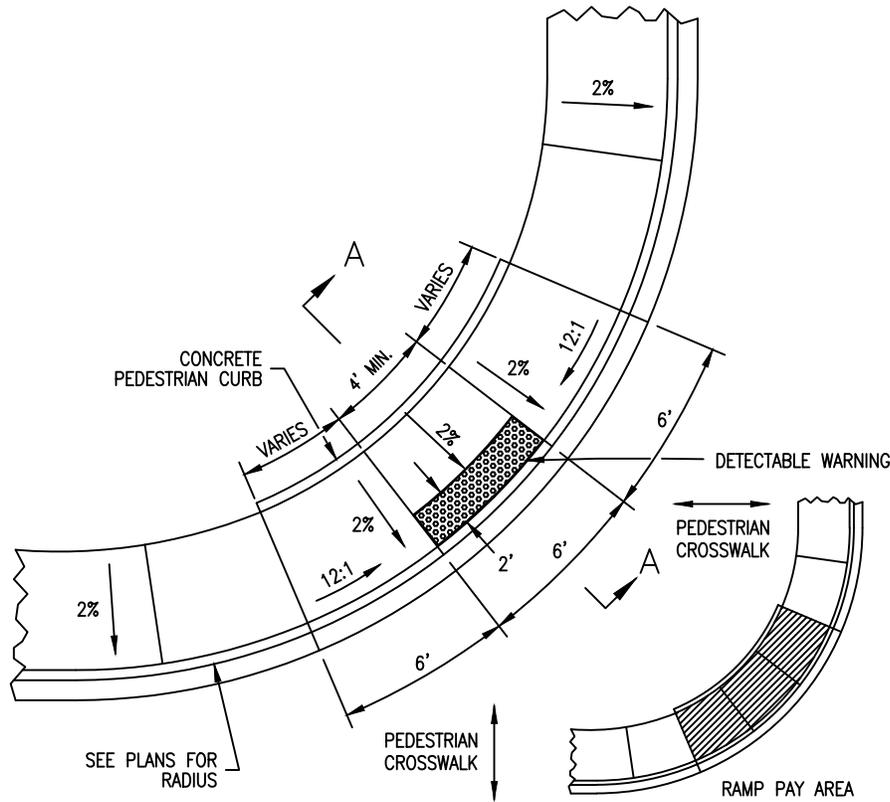
CURB RAMP TYPE 1 ATTACHED WALK



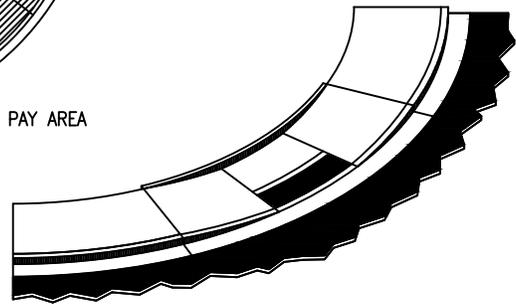
**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

BY: NLH
SCALE: NTS
DATE: 07/2025

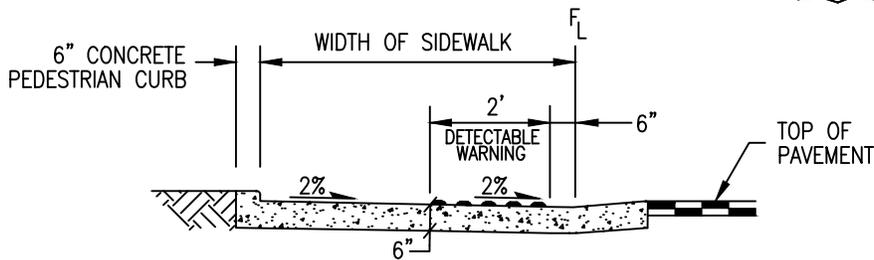
DRAWING:
SW5



SIDEWALK RAMP TYPE 2A
PLAN



ISOMETRIC VIEW



SECTION A-A

NOTES:

1. THE RAMP AREA SHALL RECEIVE A COARSER BRUSH TREATMENT THAN THE SIDEWALK.
2. AVOID PLACING DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
3. RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1. THE DETECTABLE WARNING AREA SLOPE SHALL NOT BE STEEPER THAN 20:1.
4. CONSTRUCTION OF THE CONCRETE PEDESTRIAN CURB TO BE INCLUDED IN THE COST OF THE CURB RAMP.
5. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES DETECTABLE WARNING PLATES OR APPROVED EQUAL.

CURB RAMP TYPE 2A ATTACHED WALK

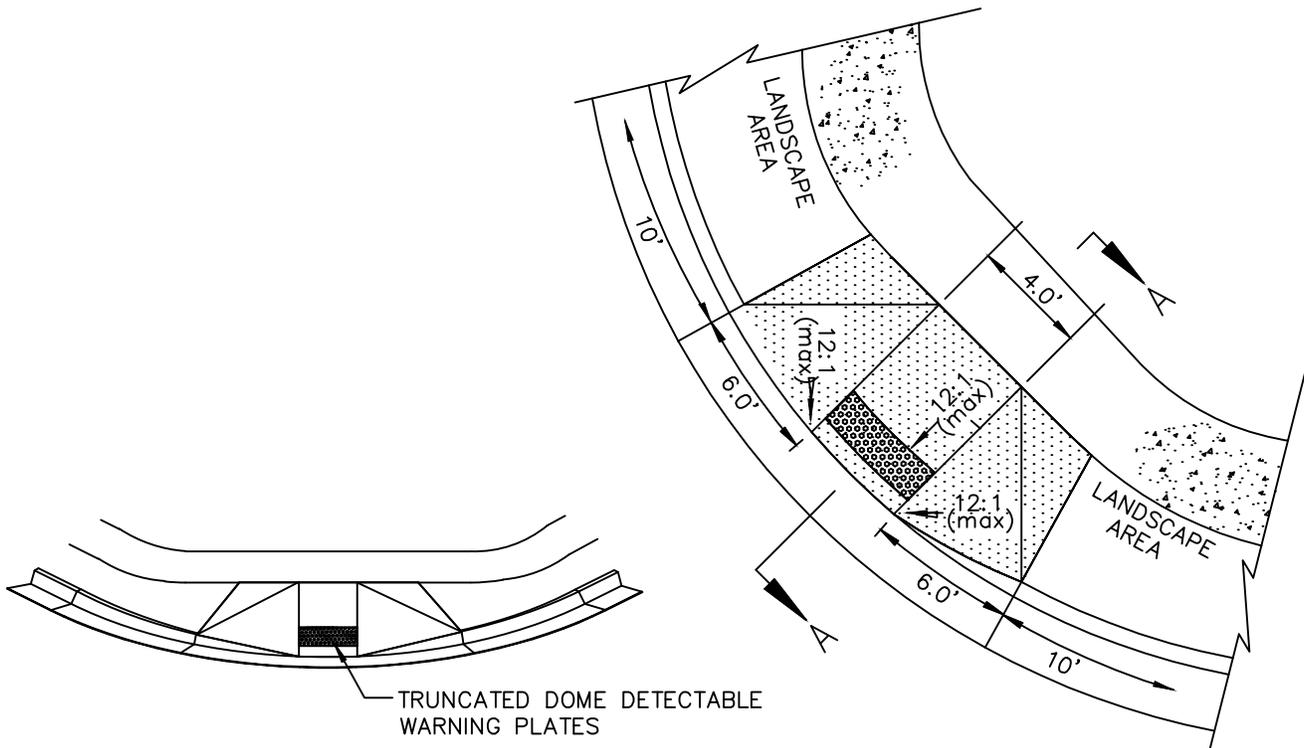


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

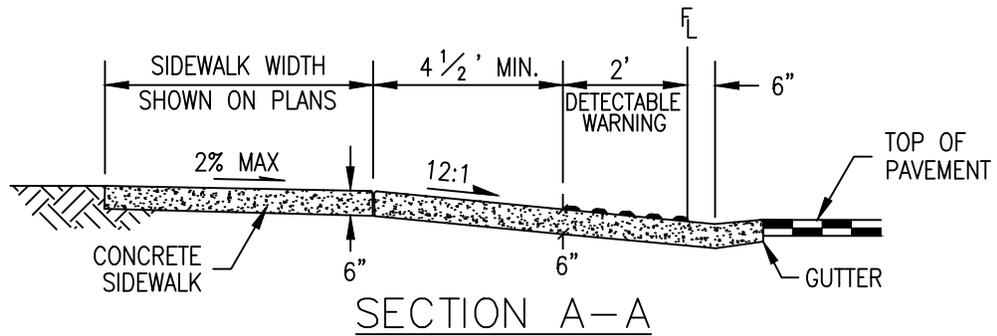
BY: JME
SCALE: NTS
DATE: 1/2020

DRAWING:

SW6



TRUNCATED DOME DETECTABLE WARNING PLATES



NOTES:

1. THERE SHALL BE NO LIP WHERE THE RAMP MEETS THE GUTTER.
2. CURB RAMPS SHALL BE PROVIDED AT ALL CORNERS OF STREET INTERSECTIONS AND AT "T" INTERSECTIONS WHERE THERE IS EXISTING OR PROPOSED SIDEWALK AND CURB.
3. RAMP SURFACE SHALL HAVE A COARSE BROOM FINISH.
4. CURB RAMPS SHALL BE POURED MONOLITHICALLY WITH THE CURB, GUTTER AND APRON.
5. RAMP DIMENSIONS SHALL BE SPECIFIED ON THE CONSTRUCTION PLANS.
6. RAMP AND WING SLOPES SHALL NOT BE STEEPER THAN 12:1.
7. THE DETECTABLE WARNING AREA SLOPE SHALL NOT BE STEEPER THAN 20:1.
8. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES DETECTABLE WARNING PLATES OR APPROVED EQUAL.

CURB RAMP TYPE 4 DETACHED WALK

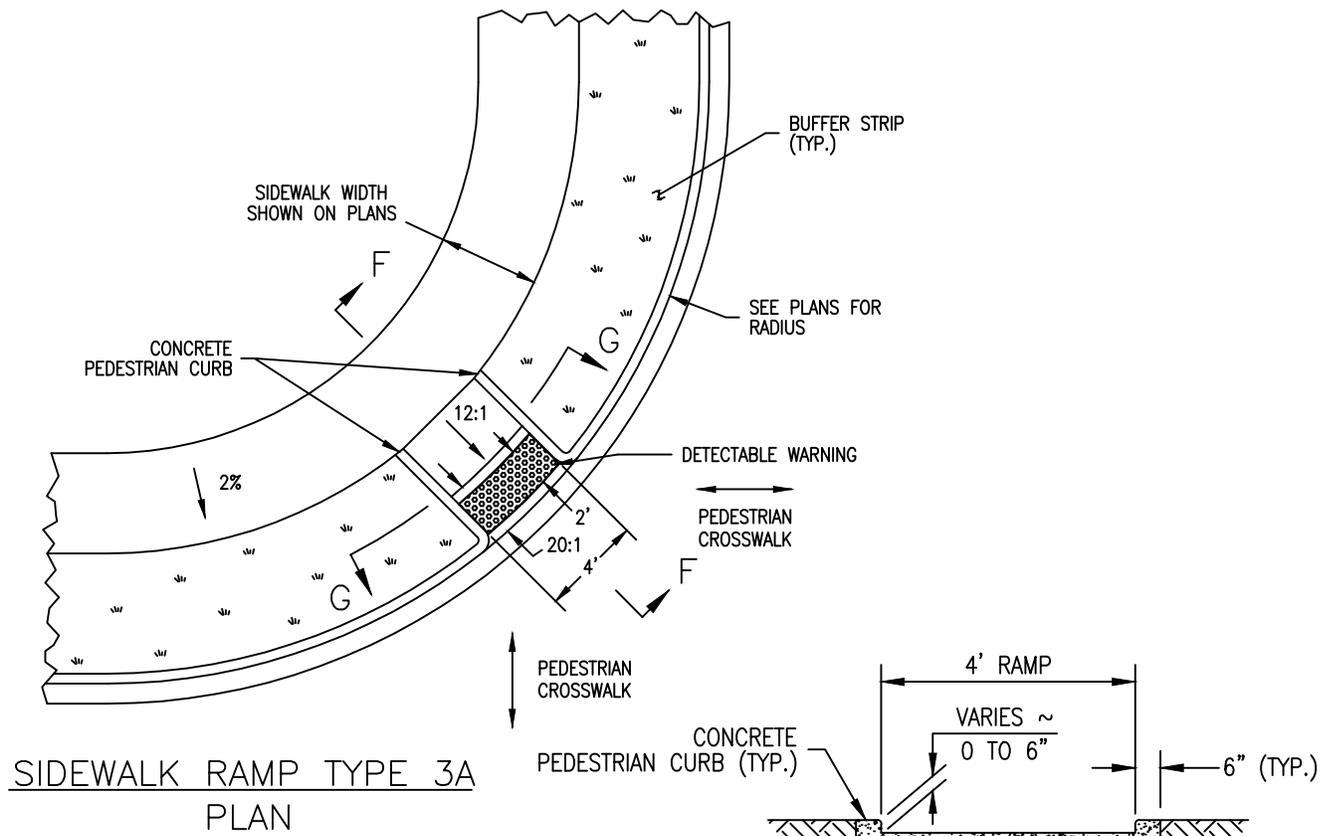


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

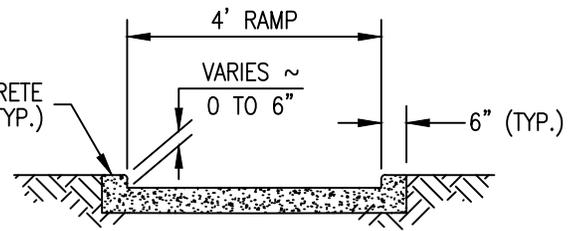
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SCALE: NTS
DATE: 07/2025

DRAWING:

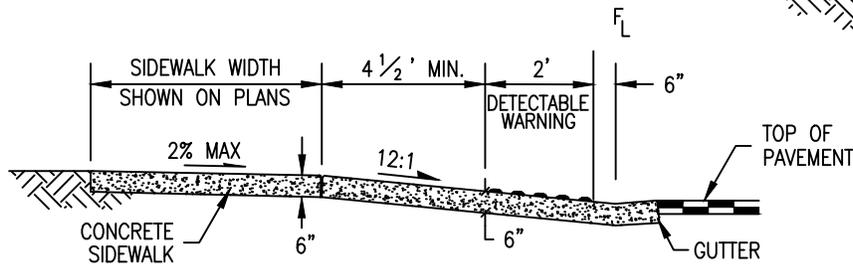
SW7



**SIDEWALK RAMP TYPE 3A
PLAN**



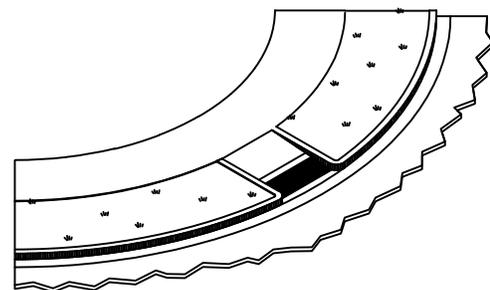
SECTION G-G



SECTION F-F

NOTES:

1. THE RAMP AREA SHALL RECEIVE A COARSER BRUSH TREATMENT THAN THE SIDEWALK.
2. AVOID PLACING DRAINAGE STRUCTURES, TRAFFIC SIGNAL EQUIPMENT, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.
3. RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.
4. THE DETECTABLE WARNING AREA SLOPE SHALL NOT BE STEEPER THAN 20:1.
5. CONSTRUCTION OF THE CONCRETE PEDESTRIAN CURB TO BE INCLUDED IN THE COST OF THE CURB RAMP.
6. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES DETECTABLE WARNING PLATES OR APPROVED EQUAL.



ISOMETRIC VIEW

CURB RAMP TYPE 3 DETACHED WALK

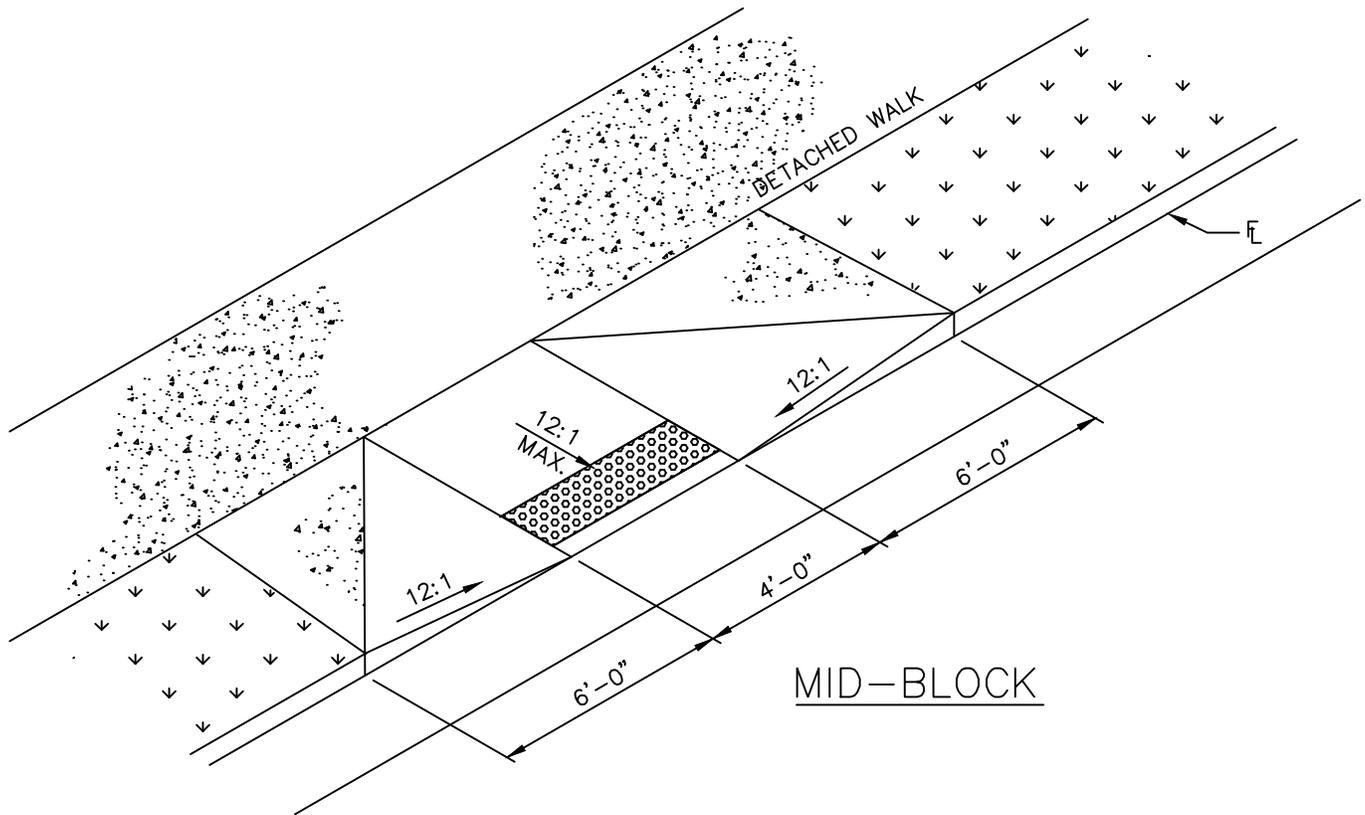


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

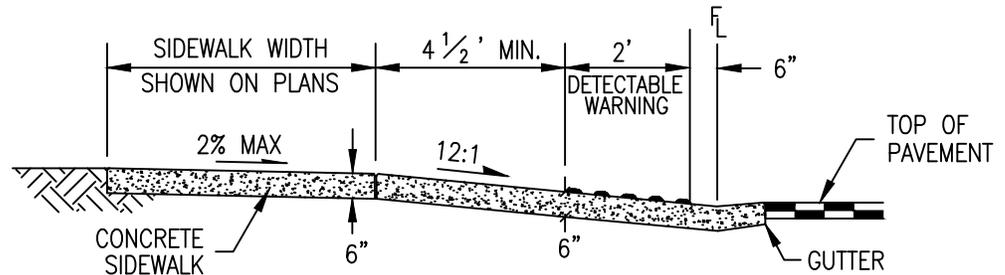
BY: NLH
SCALE: NTS
DATE: 07/2025

DRAWING:

SW8



MID-BLOCK



TYPICAL RAMP SECTION

NOTES:

1. THERE SHALL BE NO LIP WHERE THE RAMP MEETS THE GUTTER.
2. RAMP SURFACE SHALL HAVE A COARSE BROOM FINISH.
3. CURB RAMPS SHALL BE POURED MONOLITHICALLY WITH THE CURB, GUTTER AND APRON.
4. RAMP DIMENSIONS SHALL BE SPECIFIED ON THE CONSTRUCTION PLANS.
5. RAMP AND WING SLOPES SHALL NOT BE STEEPER THAN 12:1.
6. THE DETECTABLE WARNING AREA SLOPE SHALL NOT BE STEEPER THAN 20:1.
7. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES DETECTABLE WARNING PLATES OR APPROVED EQUAL.

CURB RAMP MID BLOCK TYPE 1 DETACHED WALK

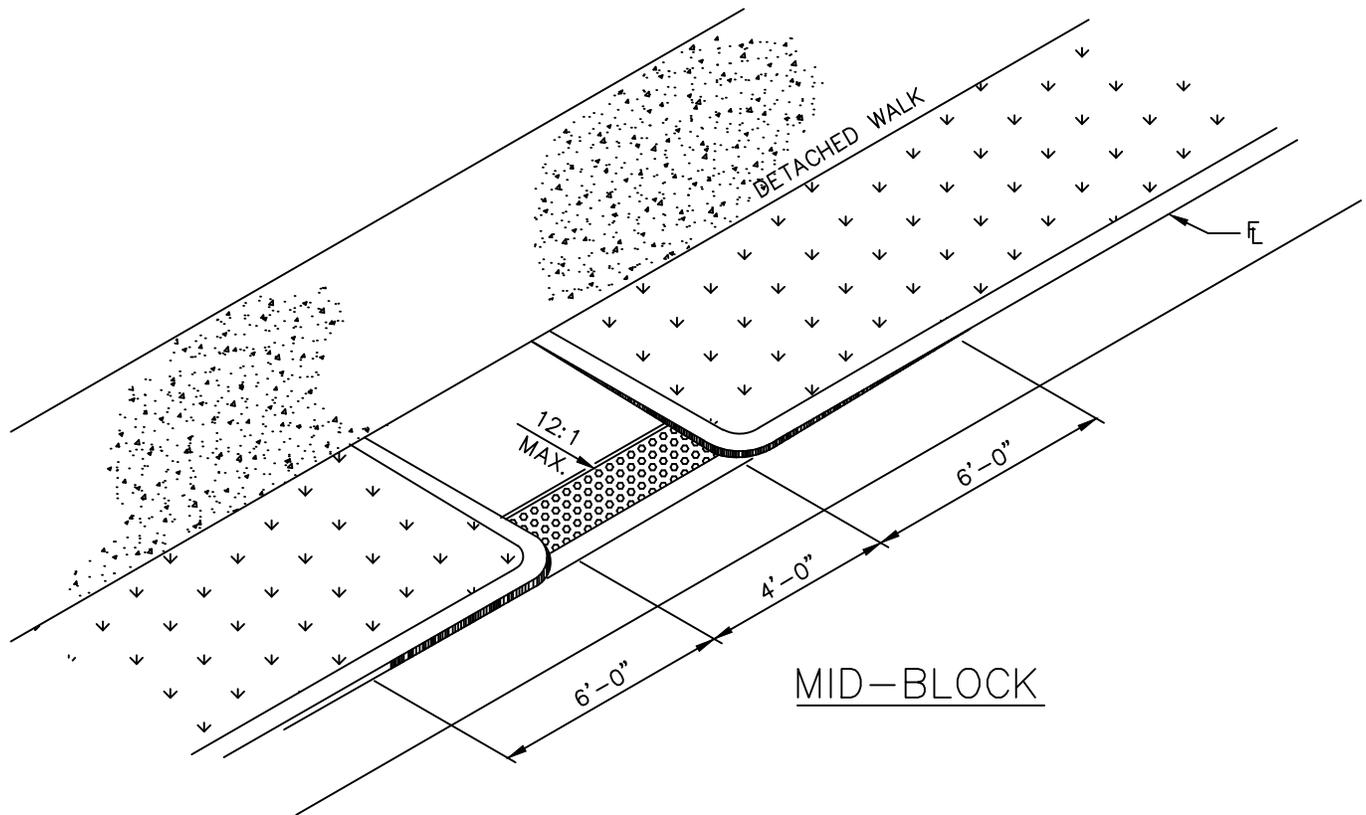


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

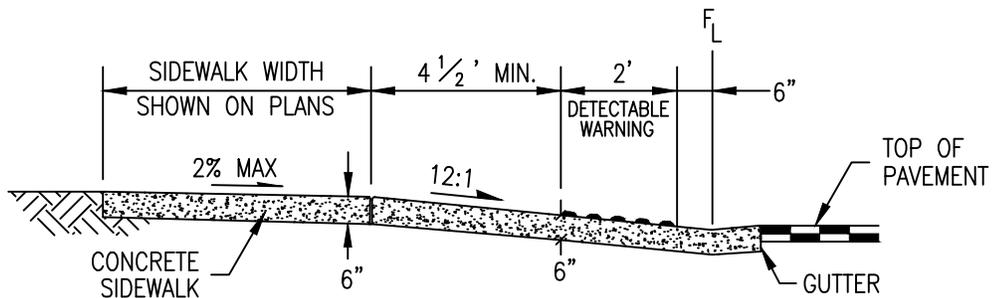
BY: NLH
SCALE: NTS
DATE: 07/2025

DRAWING:

SW9A



MID-BLOCK



TYPICAL RAMP SECTION

NOTES:

1. THERE SHALL BE NO LIP WHERE THE RAMP MEETS THE GUTTER.
2. RAMP SURFACE SHALL HAVE A COARSE BROOM FINISH.
3. CURB RAMPS SHALL BE POURED MONOLITHICALLY WITH THE CURB, GUTTER AND APRON.
4. RAMP DIMENSIONS SHALL BE SPECIFIED ON THE CONSTRUCTION PLANS.
5. RAMP AND WING SLOPES SHALL NOT BE STEEPER THAN 12:1.
6. THE DETECTABLE WARNING AREA SLOPE SHALL NOT BE STEEPER THAN 20:1.
7. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES DETECTABLE WARNING PLATES OR APPROVED EQUAL.

CURB RAMP MID BLOCK TYPE 3 DETACHED WALK

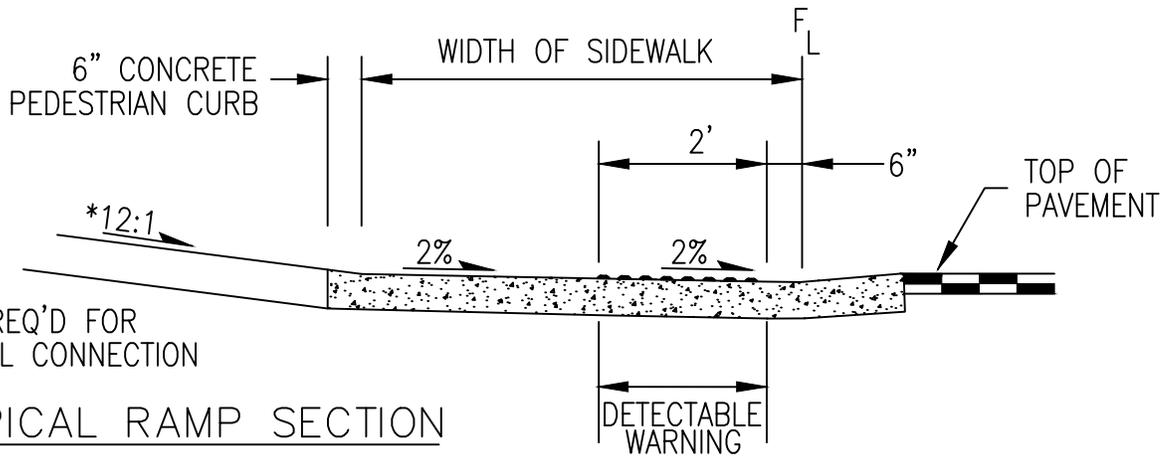
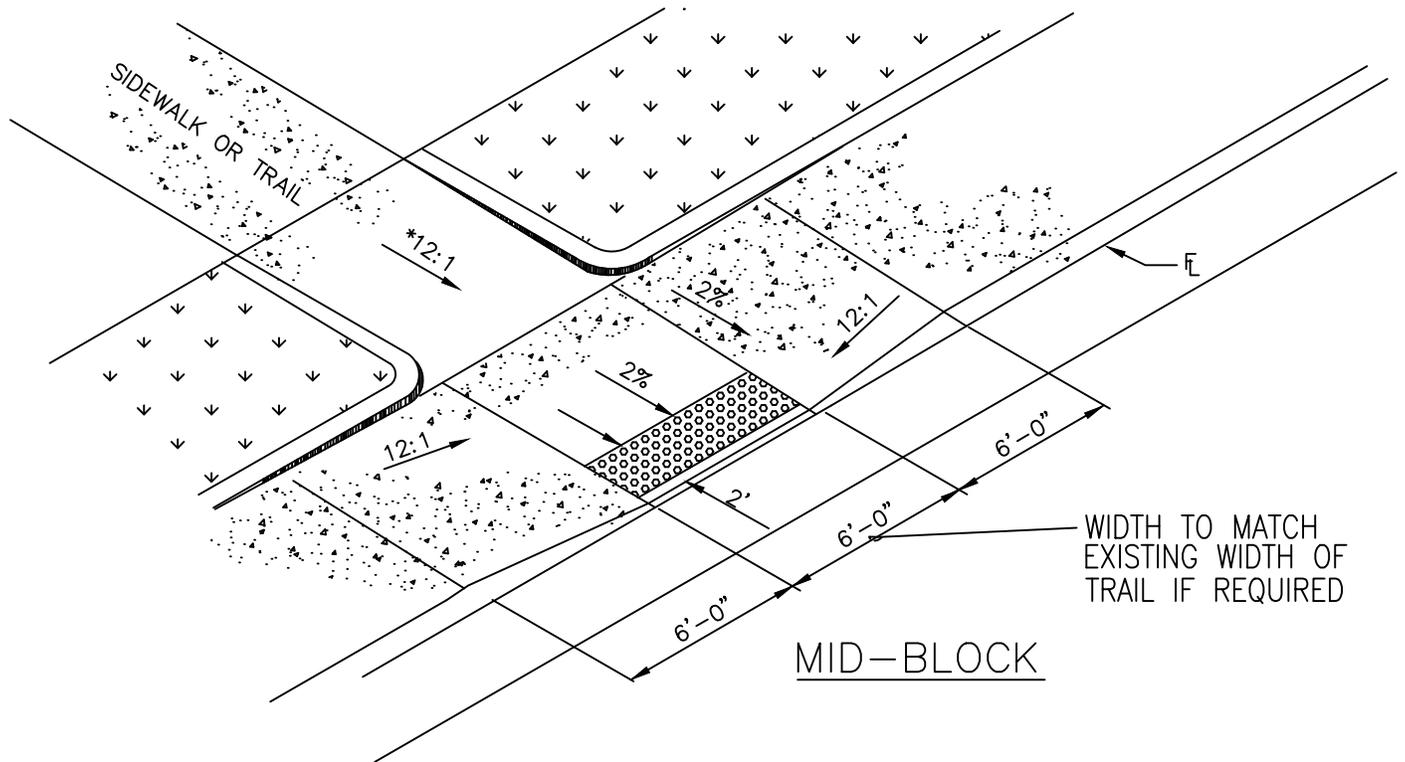


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

BY: NLH
SCALE: NTS
DATE: 07/2025

DRAWING:

SW9B



NOTES:

1. THERE SHALL BE NO LOP WHERE THE RAMP MEETS THE GUTTER.
2. RAMP SURFACE SHALL HAVE A COARSE BROOM FINISH.
3. CURB RAMPS SHALL BE POURED MONOLITHICALLY WITH THE CURB, GUTTER AND APRON.
4. RAMP DIMENSIONS SHALL BE SPECIFIED ON THE CONSTRUCTION PLANS.
5. RAMP AND WING SLOPES SHALL NOT BE STEEPER THAN 12:1.
6. THE DETECTABLE WARNING AREA SLOPE SHALL NOT BE STEEPER THAN 20:1.
7. DETECTABLE WARNINGS SHALL BE EAST JORDAN IRON WORKS 7005 SERIES DETECTABLE WARNING PLATES OR APPROVED EQUAL.

CURB RAMP MID BLOCK TYPE 2 ATTACHED WALK

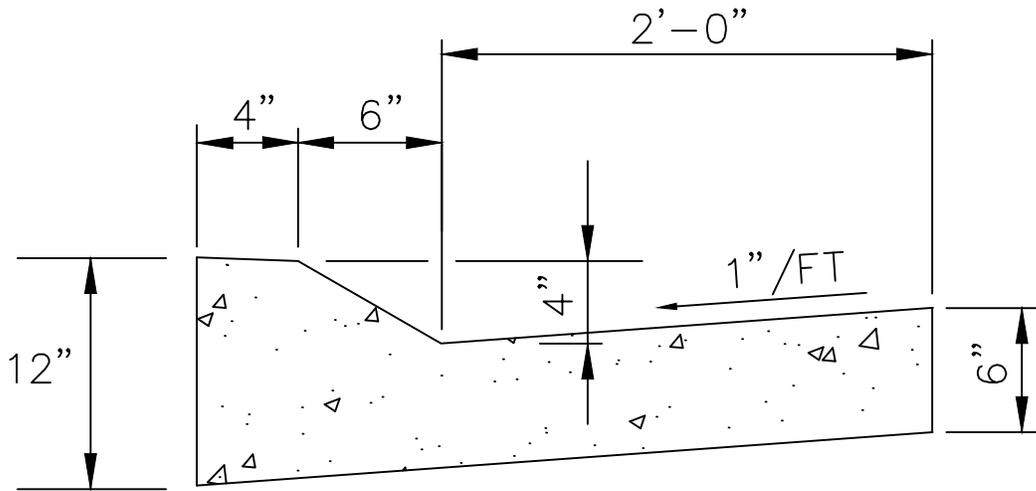


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

BY: JME
SCALE: NTS
DATE: 1/2020

DRAWING:

SW9C



ROLLOVER

MOUNTABLE CURB & GUTTER CATCH

NOTE:

1. SUBGRADE TO BE COMPACTED TO 95% MODIFIED PROCTOR.

MOUNTABLE CURB SECTION



CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS

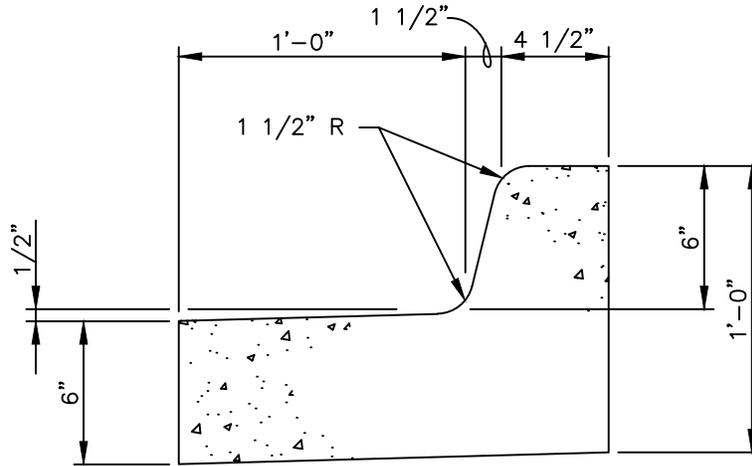
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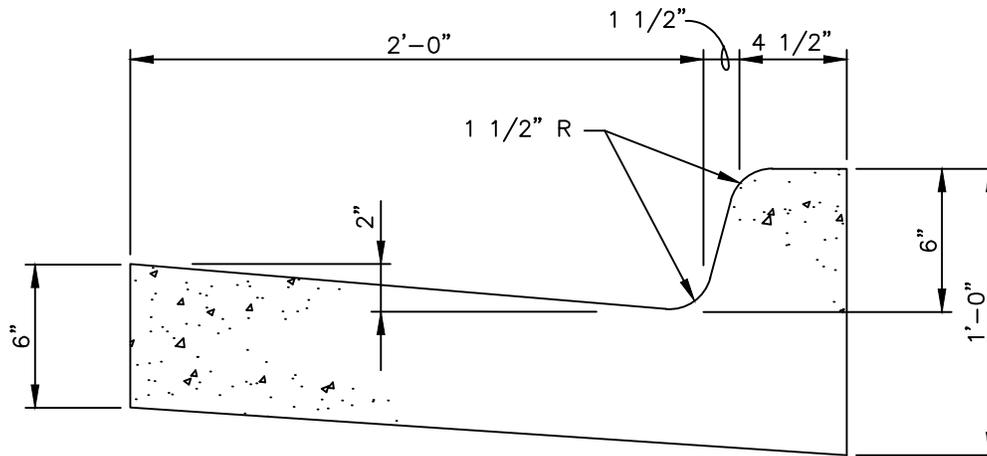
DATE: 1/2020

DRAWING:

SW10



MEDIAN CURB & GUTTER
SPILL



VERTICAL CURB & GUTTER
CATCH

NOTE:

1. SUBGRADE TO BE COMPACTED TO 95% MODIFIED PROCTOR.
2. INSTALL (3) #4 REBAR AT CURB RETURN FILLETS AND CURB PATCHES SPACED EQUIDISTANTLY OR AS REQUIRED.

VERTICAL CURB SECTION

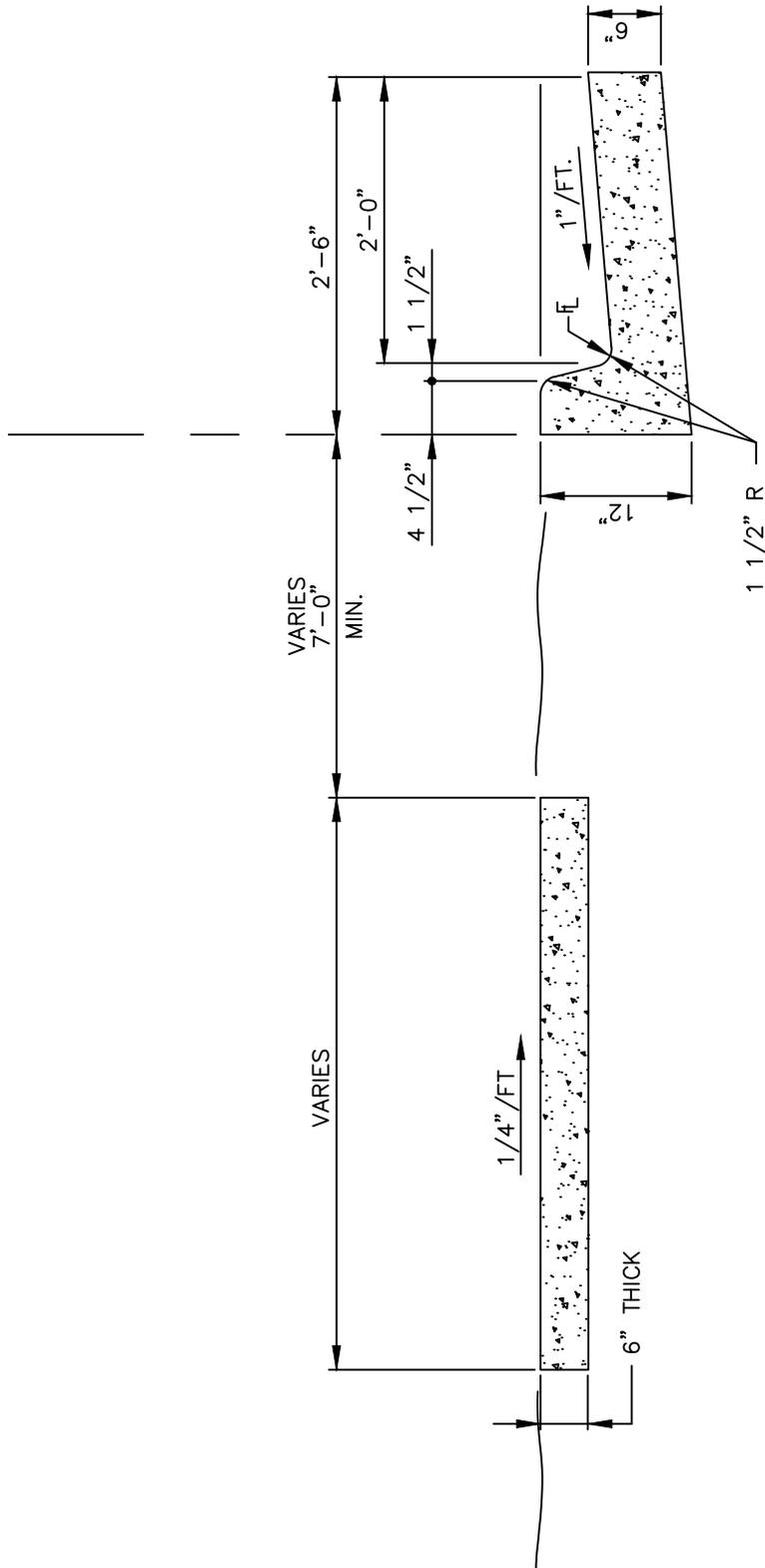


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

BY: NLH
SCALE: NTS
DATE: 07/2025

DRAWING:

SW11



NOTES:

1. SIDEWALK WIDTH SHALL BE SPECIFIED ON THE CONSTRUCTION PLANS.
2. LANDSCAPE TREATMENT MUST BE SPECIFIED.
3. 6" VERTICAL CURB, GUTTER AND SIDEWALK IS REQUIRED FOR COLLECTOR AND ARTERIAL STREETS.

6" VERTICAL CURB, GUTTER AND DETACHED WALK

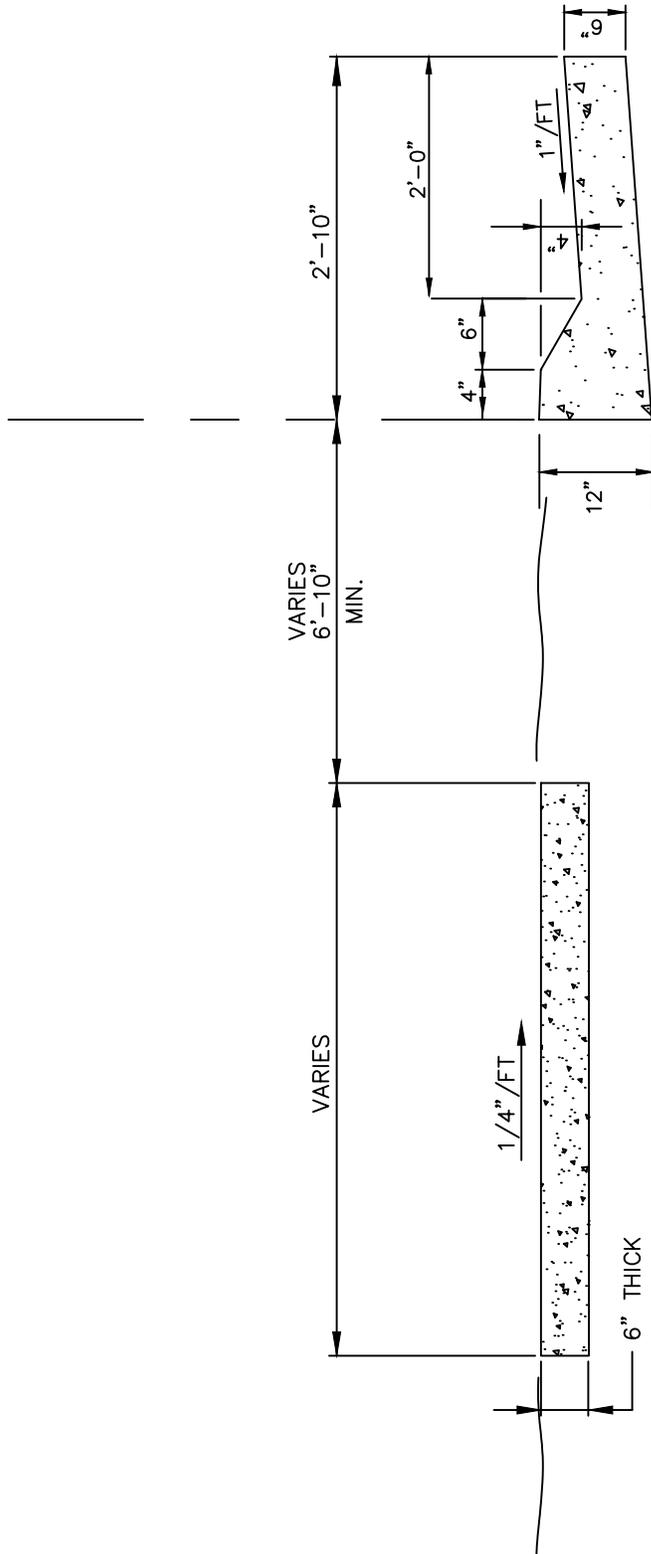


**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

BY: JME
SCALE: NTS
DATE: 1/2020

DRAWING:

SW12A



MOUNTABLE CURB & GUTTER
CATCH

NOTES:

1. SIDEWALK WIDTH SHALL BE SPECIFIED ON THE CONSTRUCTION PLANS.
2. LANDSCAPE TREATMENT MUST BE SPECIFIED.

6" MOUNTABLE CURB, GUTTER AND DETACHED WALK



CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS

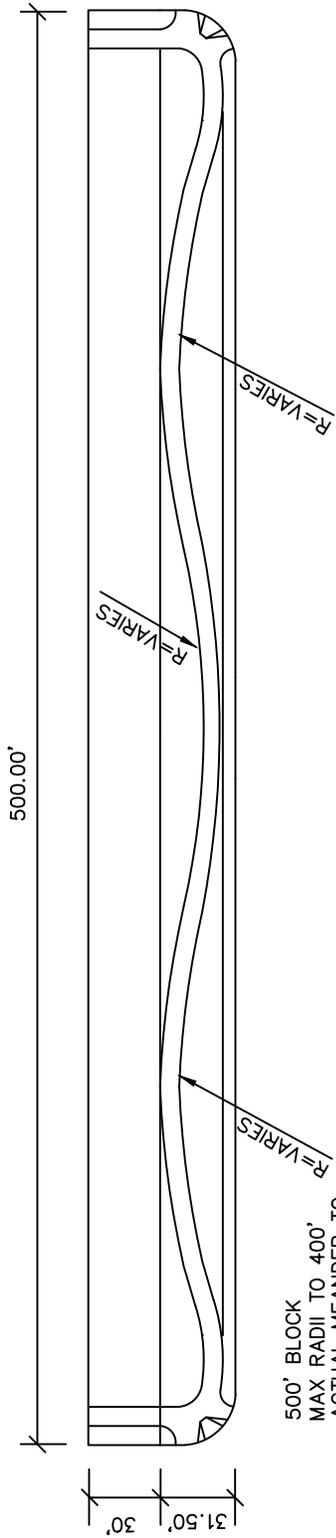
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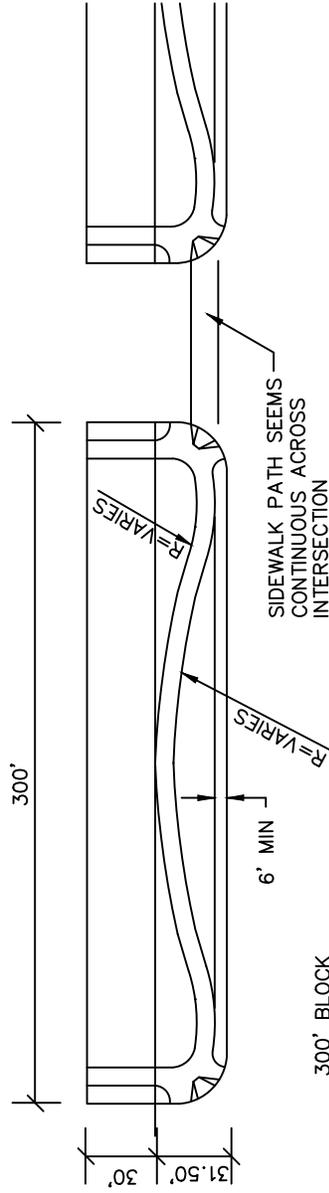
DATE: 1/2020

DRAWING:

SW12B



500' BLOCK
MAX RADII TO 400'
ACTUAL MEANDER TO
BE DETERMINED IN
THE FIELD



300' BLOCK
MAX RADII TO 300'
ACTUAL MEANDER TO
BE DETERMINED IN
THE FIELD

SIDEWALK PATH SEEMS CONTINUOUS ACROSS INTERSECTION

SIDEWALK DESIGN STANDARDS



**CURB, GUTTER AND
SIDEWALK CONSTRUCTION
DRAWINGS**

BY: JME
SCALE: NTS
DATE: 1/2020

DRAWING:
SW13