

TOWN OF NEW MARKET MONTGOMERY COUNTY, INDIANA

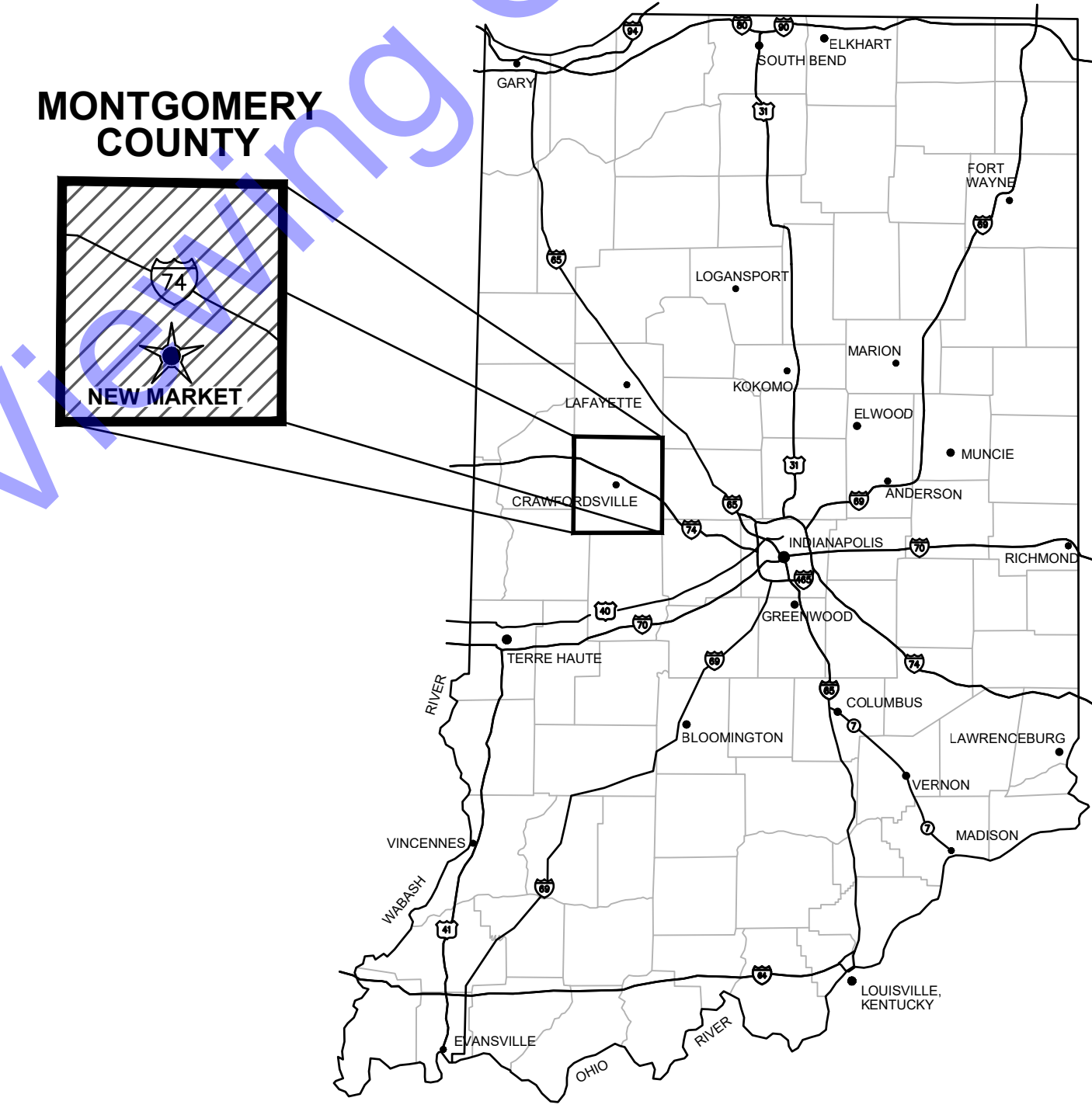
2025 COMMUNITY CROSSINGS MATCHING GRANT (CCMG) ROUND 1

APRIL 2025

TOWN COUNCIL

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- BION RUGGLES VICE PRESIDENT
- CARL KELLER MEMBER

- AMY CRULL CLERK-TREASURER
- DENNIS GENTRY UTILITY SUPERINTENDENT
- STEW WELIEVER TOWN ATTORNEY



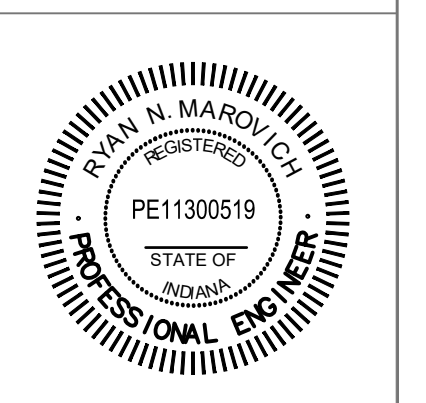
THE CURRENT INDIANA DEPARTMENT OF TRANSPORTATION (INDOT) STANDARD SPECIFICATIONS, MUTCD, AND MUNICIPAL TECHNICAL STANDARDS SHALL BE USED WITH THESE PLANS.



QA/QC BY : ROBYN MATTHEWS, P.E. 03/06/2025
DATE :

CERTIFIED BY : *Ryan Marovich*
RYAN MAROVICH, P.E.
INDIANA P.E. No. 11300519

03/06/2025
DATE :



PROJECT NO. : H24210

SUMMARY OF QUANTITIES

ITEM #	ITEM	SEE NOTE	INDOT PAY ITEM #	UNIT	9th STREET	2nd STREET	VINE STREET	3rd STREET	4th STREET	4th STREET	LOCUST STREET	3rd STREET	TOTAL
					LOCATION 'A'	LOCATION 'B'	LOCATION 'C'	LOCATION 'D'	LOCATION 'E'	LOCATION 'F'	LOCATION 'G'	LOCATION 'H'	
1	CONSTRUCTION ENGINEERING		105-06845	LSUM	LUMP SUM DETERMINED BY SELECTED BID								DOL
2	MOBILIZATION AND DEMOBILIZATION		110-01001	LSUM	LUMP SUM DETERMINED BY SELECTED BID								DOL
3	SIDEWALK, CONCRETE, REMOVE		202-52710	SYS	0	18	0	45	0	0	0	80	143
4	EXCAVATION, COMMON		203-02000	CYS	0	270	0	18	0	0	0	0	288
5	TEMPORARY INLET PROTECTION	5	205-06933	EACH	0	2	2	6	2	2	0	5	19
6	STORMWATER MANAGEMENT IMPLEMENTATION	5	205-1616	LSUM	LUMP SUM DETERMINED BY SELECTED BID								DOL
7	COMPACTED AGGREGATE NO. 5.3		303-01180	TON	0	20	0	15	0	0	0	10	45
8	HMA PATCHING, FULL DEPTH, TYPE B	7	304-12623	SYS	32	0	59	50	25	30	0	116	311
9	MILLING, ASPHALT, 1 1/2 IN.		306-08034	SYS	1170	0	2290	1520	670	1130	0	4420	11200
10	MILLING, APPROACH		306-08432	SYS	90	0	70	650	330	60	0	210	1410
11	JOINT ADHESIVE, SURFACE		401-10258	LFT	450	400	1161	396	380	520	375	1462	5144
12	JOINT ADHESIVE, INTERMEDIATE		401-10259	LFT	0	400	0	0	0	0	0	0	400
13	HMA, SURFACE, TYPE B, 9.5 mm		402-XXXX	TON	97	45	189	125	55	93	54	365	1023
14	HMA, INTERMEDIATE, TYPE B, 19.0 mm		402-XXXX	TON	0	76	0	0	0	0	0	0	86
15	ASPHALT FOR TACK COAT	3	406-05520	TON	0.4	0.3	0.8	0.7	0.3	0.4	0.2	1.4	5
16	SIDEWALK, CONCRETE	8	604-06070	SYS	0	6	0	18	0	0	0	45	69
17	CURB RAMP, CONCRETE	8	604-08086	SYS	0	12	0	40	0	0	0	35	87
18	DETECTABLE WARNING SURFACES		604-12083	SYS	0	4	0	5	0	0	0	10	19
19	CURB AND GUTTER, CONCRETE		605-06140	LFT	0	0	0	55	0	0	0	90	145
20	HMA FOR APPROACHES, TYPE B, 9.5 mm		610-07487	TON	7	40	6	48	27	5	0	17	150
21	ADJUST WATER VALVE TO GRADE		715-94530	EACH	1	1	2	2	2	2	1	4	15
22	CASTING, MANHOLE, ADJUST TO GRADE		720-12798	EACH	1	2	1	6	1	2	1	4	18
23	MAINTAINING TRAFFIC		801-06775	LSUM	LUMP SUM DETERMINED BY SELECTED BID								DOL
24	SIGN, SHEET, WITH LEGEND		802-03821	EACH	0	0	0	0	0	0	0	2	2
25	SIGN, GROUND MOUNTED, RESET		802-91122	EACH	0	0	0	5	0	0	0	0	5
26	LINE, THERMOPLASTIC, SOLID, WHITE 4 IN.	4	808-06703	LFT	0	0	0	260	0	0	0	0	260
27	TRANSVERSE MARKING, THERMOPLASTIC, STOP LINE, WHITE, 24 IN.	4	808-75297	LFT	15	22	12	45	30	10	0	12	146
28	TRANSVERSE MARKING, THERMOPLASTIC, CROSSWALK LINE, WHITE, 6 IN.	4	808-75300	LFT	0	42	0	255	130	0	0	192	619
29	PAVEMENT MESSAGE MARKING, THERMOPLASTIC, ADA ACCESS SYMBOL	4	808-97664	EACH	0	0	0	1	0	0	0	0	1
MANDATORY ALTERNATE													
MA-1A	STOP SIGN, 36 IN. x 36 IN., SOLAR-POWERED FLASHING	9	802-XXXX	EACH	0	0	0	4	0	0	0	0	4
MA-1B	4-WAY SIGN, 18 IN. x 6 IN.		802-XXXX	EACH	0	0	0	4	0	0	0	0	4

GENERAL NOTES AND SPECIAL PROVISIONS

- ALL CONTRACTOR QUESTIONS SHOULD BE DIRECTED THROUGH OWNER/MUNICIPALITY AND WILL BE DISTRIBUTED TO ENGINEER.
- CONTRACTOR SHALL MATCH PROPOSED GRADES WITH EXISTING GRADES FOR PAVEMENT MILLING AREAS.
- CONTRACTOR SHALL APPLY TACK COAT BETWEEN ASPHALT SURFACES.
- CONTRACTOR SHALL PLACE EXISTING PAVEMENT MARKINGS AS CLOSE AS POSSIBLE TO CURRENT LOCATION.
- CONTRACTOR SHALL ADHERE TO INDOT STANDARD SPECIFICATIONS SECTION 205 FOR EROSION CONTROL MEASURES INFORMATION AND IMPLEMENTATION.
- REPLACEMENT STREET SIGNS SHALL MATCH EXISTING STREET SIGN SIZE AND STYLE TO GREATEST EXTENT POSSIBLE.
- PAVEMENT THICKNESS IS VARIABLE AND UNKNOWN. CONTRACTOR SHALL ASSUME A THICKNESS OF SIX (6) INCHES FOR BIDDING PURPOSES.
- SEEDING AND TOPSOIL FOR SIDEWALK/CURB RAMP INSTALLATION REPAIR SHALL BE INCLUDED IN THE PRICE OF CURB RAMP AND SIDEWALK PAY ITEMS.
- SOLAR-POWERED FLASHING STOP SIGNS SPECIFICATIONS CAN BE FOUND IN DETAILS. THIS IS AN ADDITIVE MANDATORY ALTERNATE.

PROJECT CONTACT INFORMATION

DENNIS GENTRY	UTILITIES SUPERINTENDENT	(765) 866-0111	DGENTRY@GSF-USA.COM
JOE DODDS	TOWN COUNCIL PRESIDENT		JOEDODDS2023@OUTLOOK.COM
AMY CRULL	CLERK-TREASURER	(765) 866-0111	NEWMARKET-IN@ATT.NET

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RYAN N. MAROITZ
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA
 PE11300519
 Signature: *Ryan Marowitz* Date: 03/06/2025

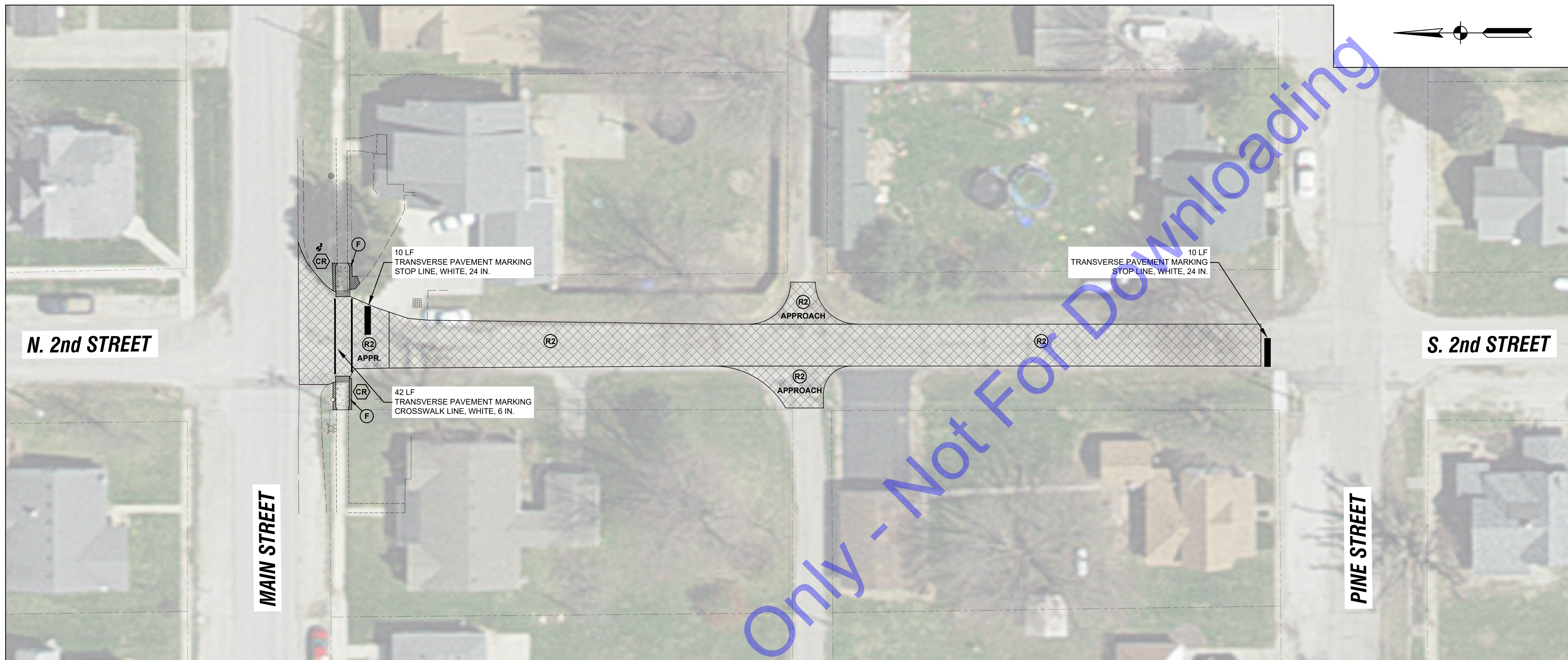
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2025 COMMUNITY CROSSINGS MATCHING GRANT (CCMG) ROUND 1

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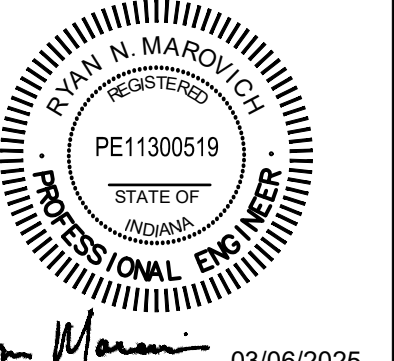
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SUMMARY OF QUANTITIES AND GENERAL NOTES



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Signature: Ryan Marol Date: 03/06/2025

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MONTGOMERY CO., INDIANA
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PAY ITEM AREAS

ASPHALT AREA (SYS)	=	540.0
APPROACH AREA (SYS)	=	175.0

- LEGEND**
-  MILLING, ASPHALT, 1.5 IN.
165 LBS/SYD HMA SURFACE, TYPE "B", 9.5 mm
 -  EXCAVATION, COMMON (12.0 IN. DEPTH)
165 LBS/SYD HMA SURFACE, TYPE "B", 9.5 mm ON
275 LBS/SYD HMA INTERMEDIATE, TYPE "B", 19.0 mm ON
6.0 IN. OF COMPACTED AGGREGATE, No. 53
 -  4.0 IN. SIDEWALK, CONCRETE ON
4.0 IN. COMPACTED AGGREGATE No. 53
 -  CURB RAMP, CONCRETE
 -  MULCHED SEEDING ON 6 IN. (MIN) TOPSOIL
 -  INLET PROTECTION

- NOTES**
- MAINTAIN ACCESS TO BUSINESSES AND RESIDENCES AT ALL TIMES. IF THIS IS NOT POSSIBLE, CONTRACTOR SHALL COORDINATE ACCESS CLOSURE WITH BUSINESS/RESIDENT.
 - CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO PROTECT WORK AREAS ADJACENT TO LIVE TRAFFIC.
 - EXISTING PAVEMENT MARKINGS REMOVED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED AS CLOSE AS POSSIBLE TO EXISTING LOCATION.

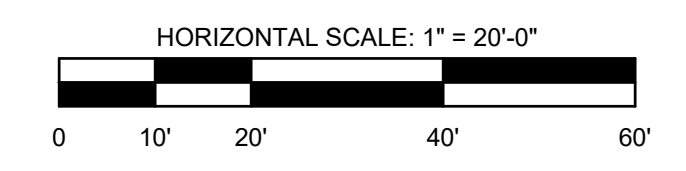
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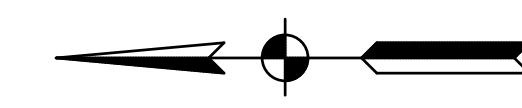
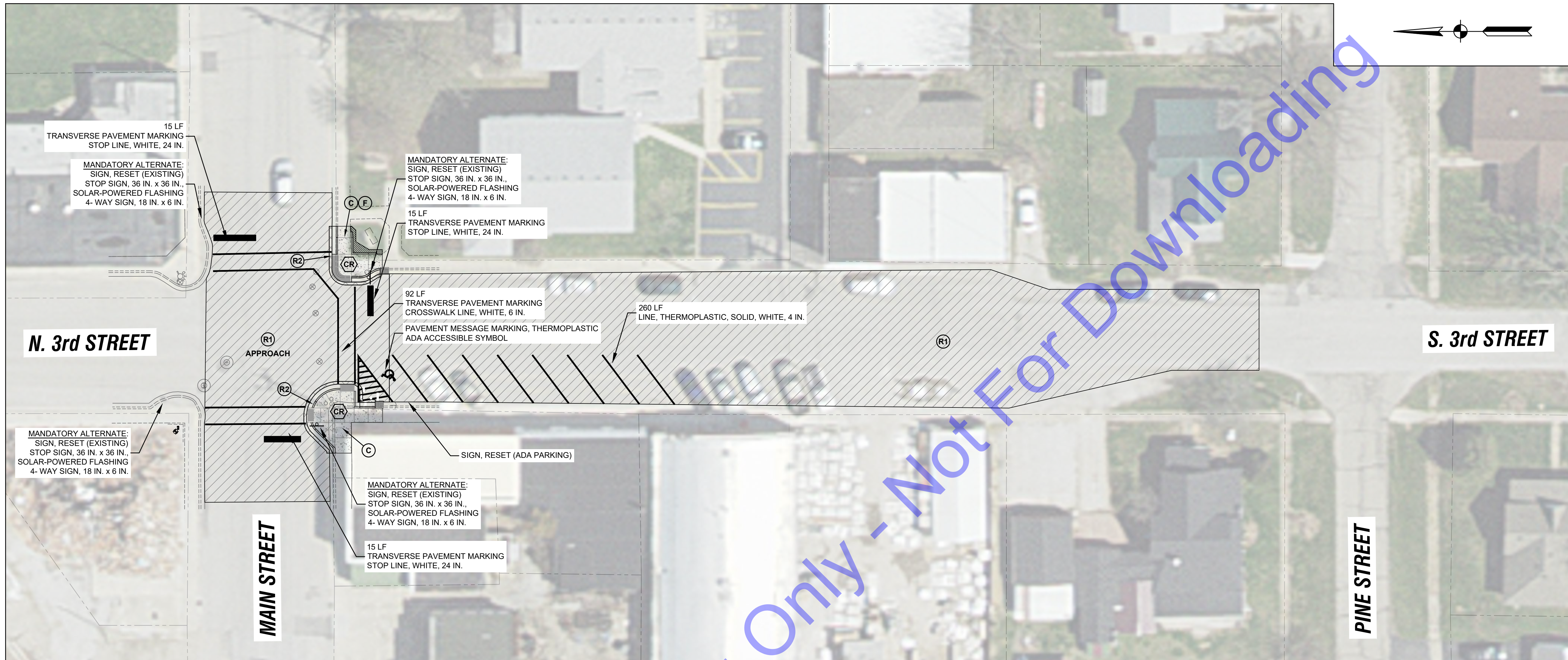
ROAD IMPROVEMENTS

2nd STREET

Drawing No:
C2

Sheet: 05 OF 23





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RYAN A. MAROLI, P.E.
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
PE11300519
Signature: *Ryan Maroli* Date: 03/06/2025

**TOWN OF NEW MARKET
MONTGOMERY CO., INDIANA**

**2025 COMMUNITY CROSSINGS
MATCHING GRANT (CCMG) ROUND 1**

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PAY ITEM AREAS	
ASPHALT AREA (SYS)	= 1,505.0
APPROACH AREA (SYS)	= 640.0

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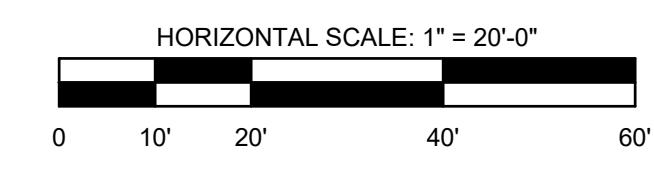
3rd STREET

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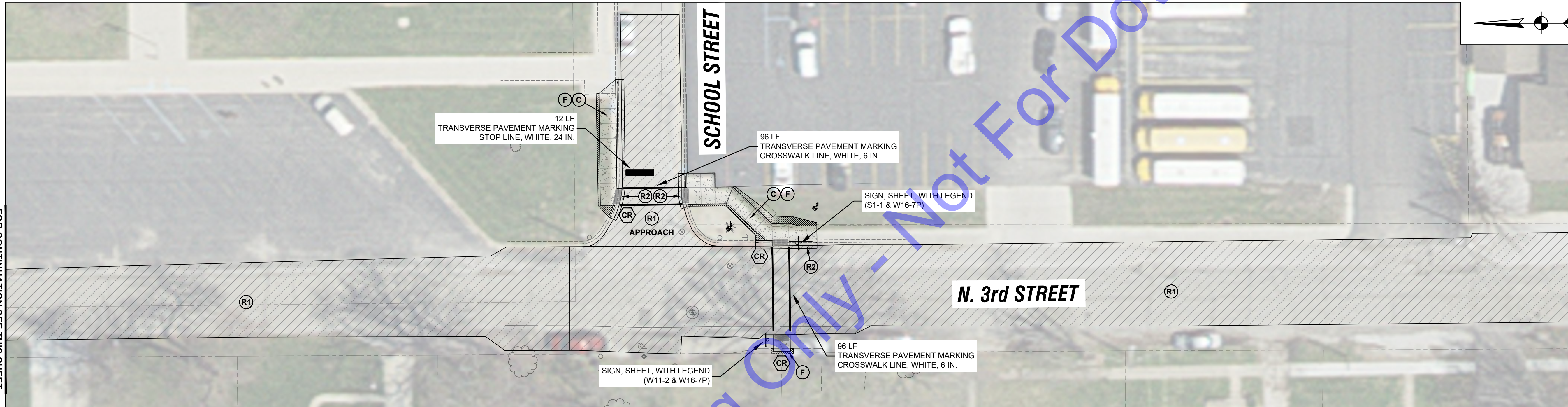
LEGEND	
MILLING, ASPHALT, 1.5 IN. 165 LBS/SYD HMA SURFACE, TYPE "B", 9.5 mm	MULCHED SEEDING ON 6 IN. (MIN) TOPSOIL
EXCAVATION, COMMON (12.0 IN. DEPTH) 165 LBS/SYD HMA SURFACE, TYPE "B", 9.5 mm ON 275 LBS/SYD HMA INTERMEDIATE, TYPE "B", 19.0 mm ON 6.0 IN. OF COMPACTED AGGREGATE, No. 53	INLET PROTECTION
4.0 IN. SIDEWALK, CONCRETE ON 4.0 IN. COMPACTED AGGREGATE No. 53	
CURB RAMP, CONCRETE	

- NOTES**
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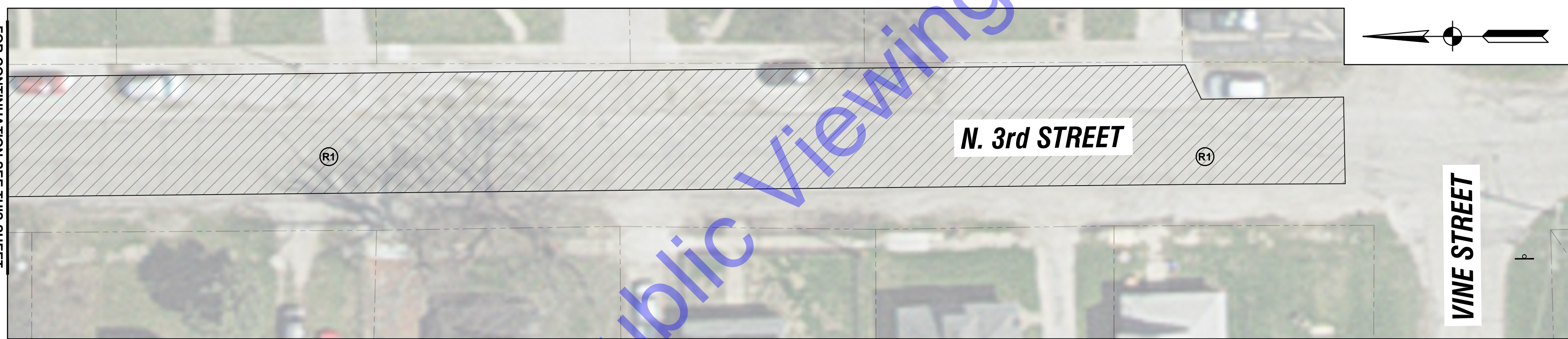




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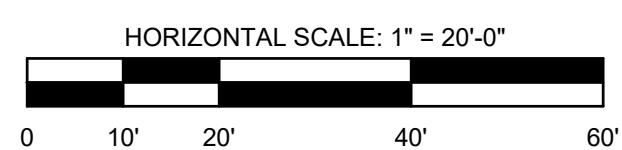
PAY ITEM AREAS	
ASPHALT AREA (SYS)	= 4,400.0
APPROACH AREA (SYS)	= 205.0

LEGEND

- | | |
|---|--|
| MILLING, ASPHALT, 1.5 IN.
165 LBS/SYD HMA SURFACE, TYPE "B", 9.5 mm | MULCHED SEEDING ON 6 IN. (MIN) TOPSOIL |
| EXCAVATION, COMMON (12.0 IN. DEPTH)
165 LBS/SYD HMA SURFACE, TYPE "B", 9.5 mm ON
275 LBS/SYD HMA INTERMEDIATE, TYPE "B", 19.0 mm ON
6.0 IN. OF COMPACTED AGGREGATE, No. 53 | INLET PROTECTION |
| 4.0 IN. SIDEWALK, CONCRETE ON
4.0 IN. COMPACTED AGGREGATE No. 53 | |
| CURB RAMP, CONCRETE | |

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RYAN N. MAROLICA
REGISTERED
PE11300519
STATE OF INDIANA
PROFESSIONAL ENGINEER

Ryan Marolica
Signature
03/06/2025
Date

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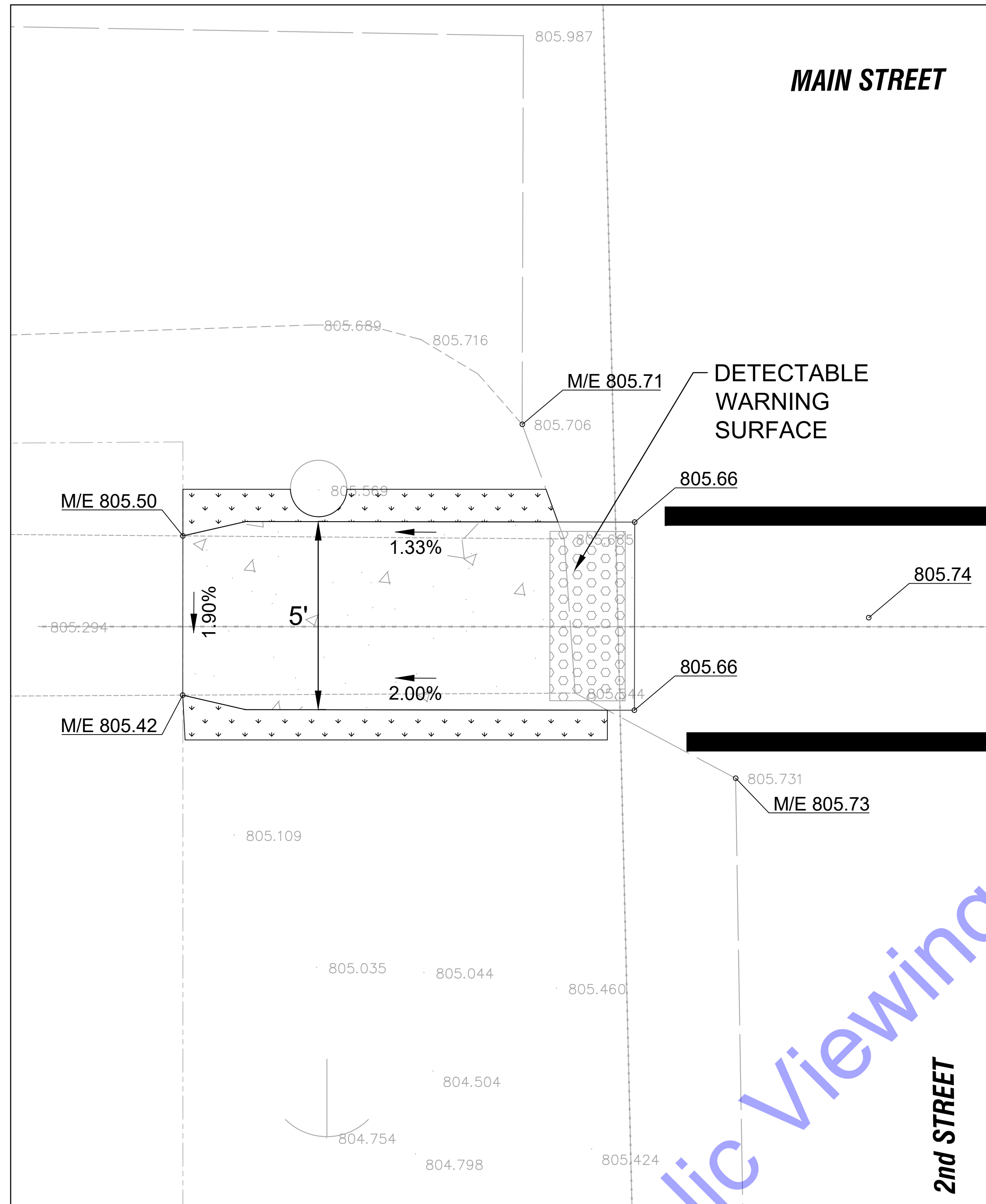
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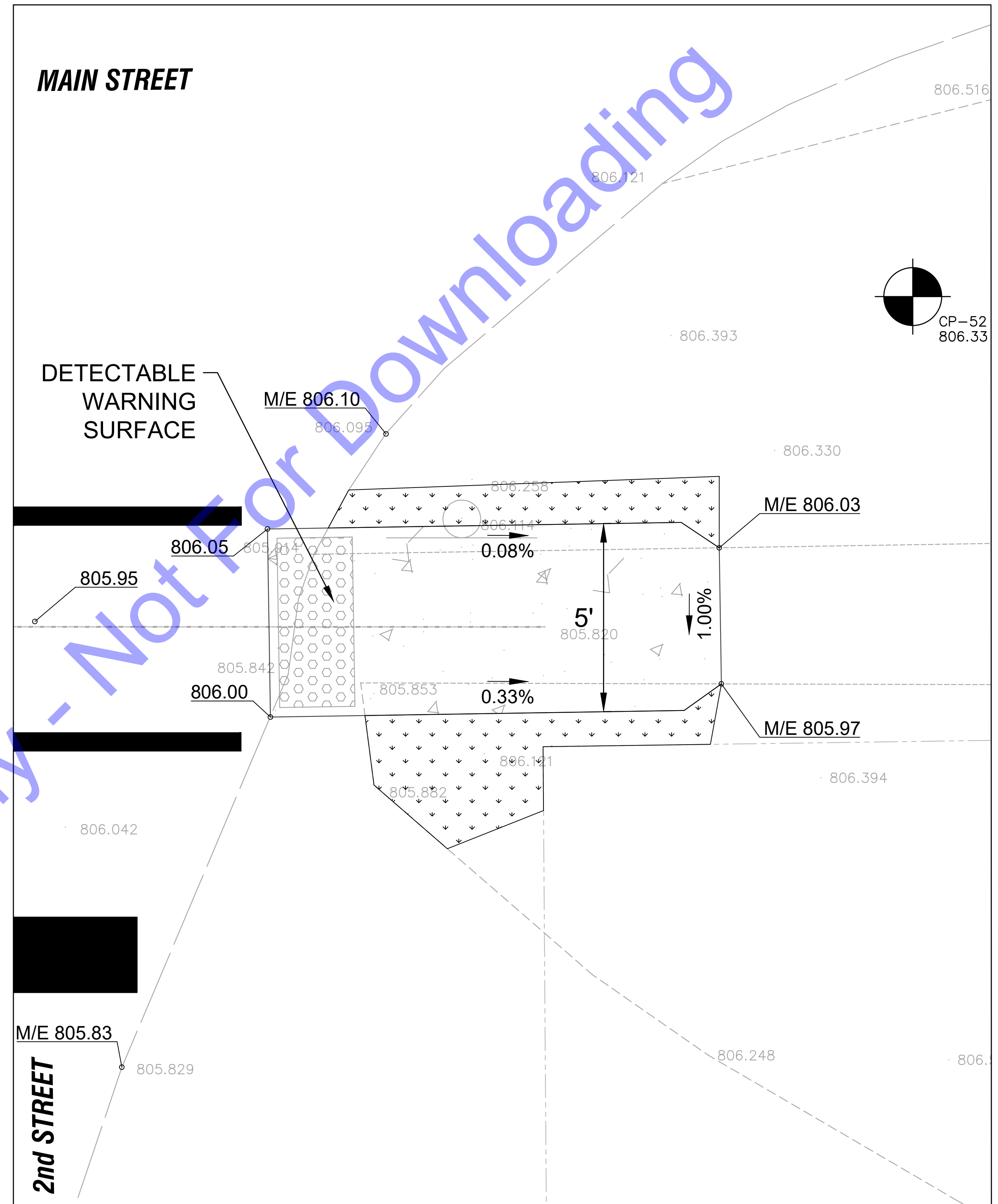
ROAD IMPROVEMENTS

3rd STREET

Drawing No:
C8
Sheet: 11 OF 23



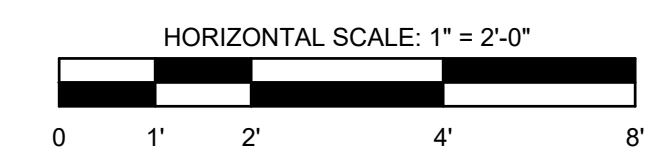
PLAN VIEW - SOUTHWEST CORNER



PLAN VIEW - SOUTHEAST CORNER

NOTES

1. ALL CURB RAMPS SHALL BE ADA-COMPLIANT. LONGITUDINAL SLOPE SHALL NOT EXCEED 5.0%. TRANSVERSE SLOPE SHALL NOT EXCEED 2.0%.
2. CONTRACTOR SHALL TIE INTO EXISTING SIDEWALK AND EDGE OF PAVEMENT AS SHOWN IN THESE PLANS.



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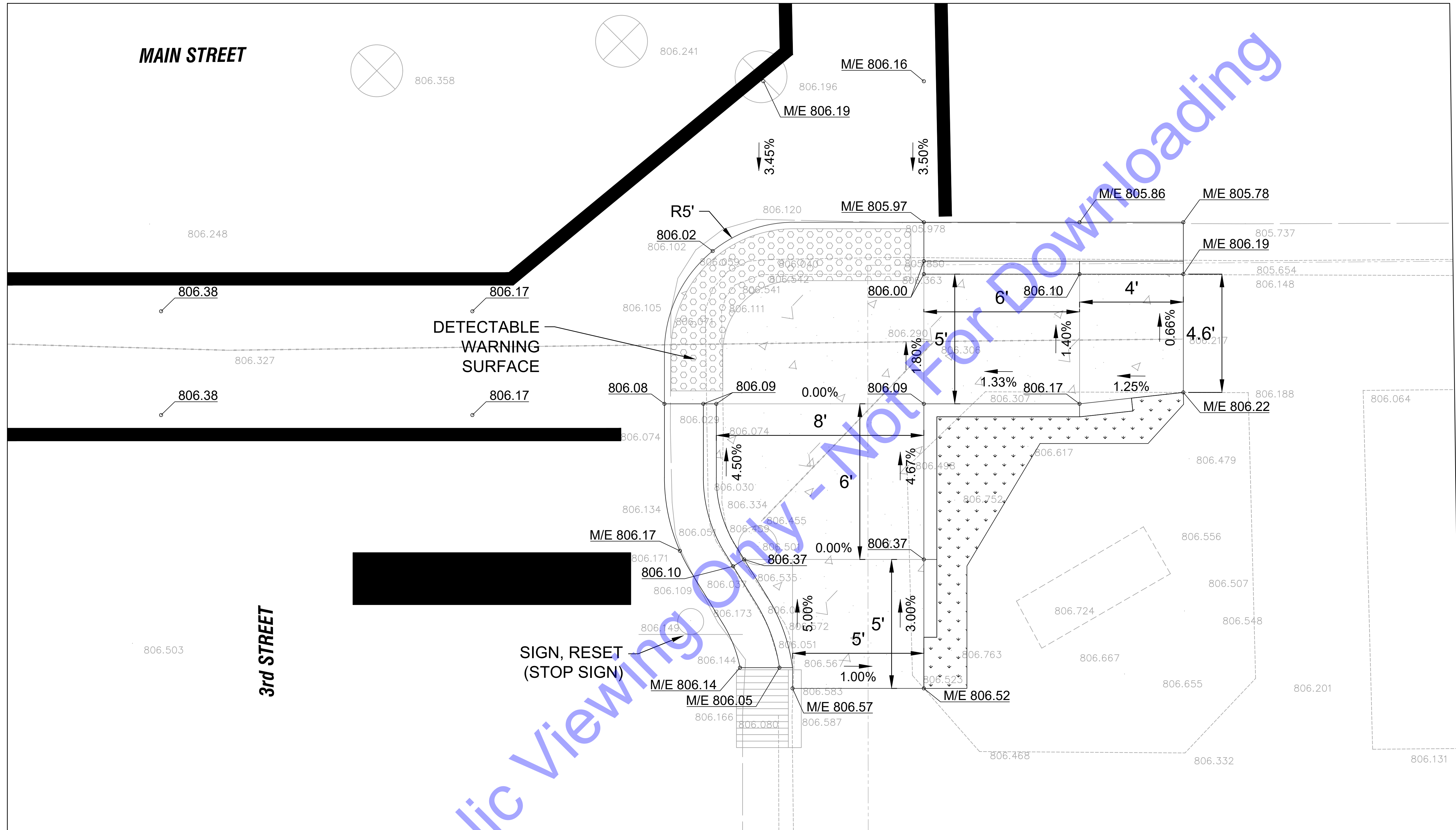
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CURB RAMP DETAILS

2nd STREET

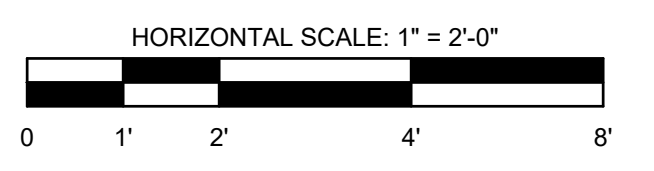
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C10
 Sheet: 13 OF 23



PLAN VIEW - SOUTHWEST CORNER

NOTES

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[Signature]
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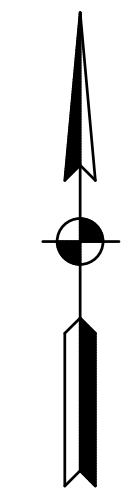
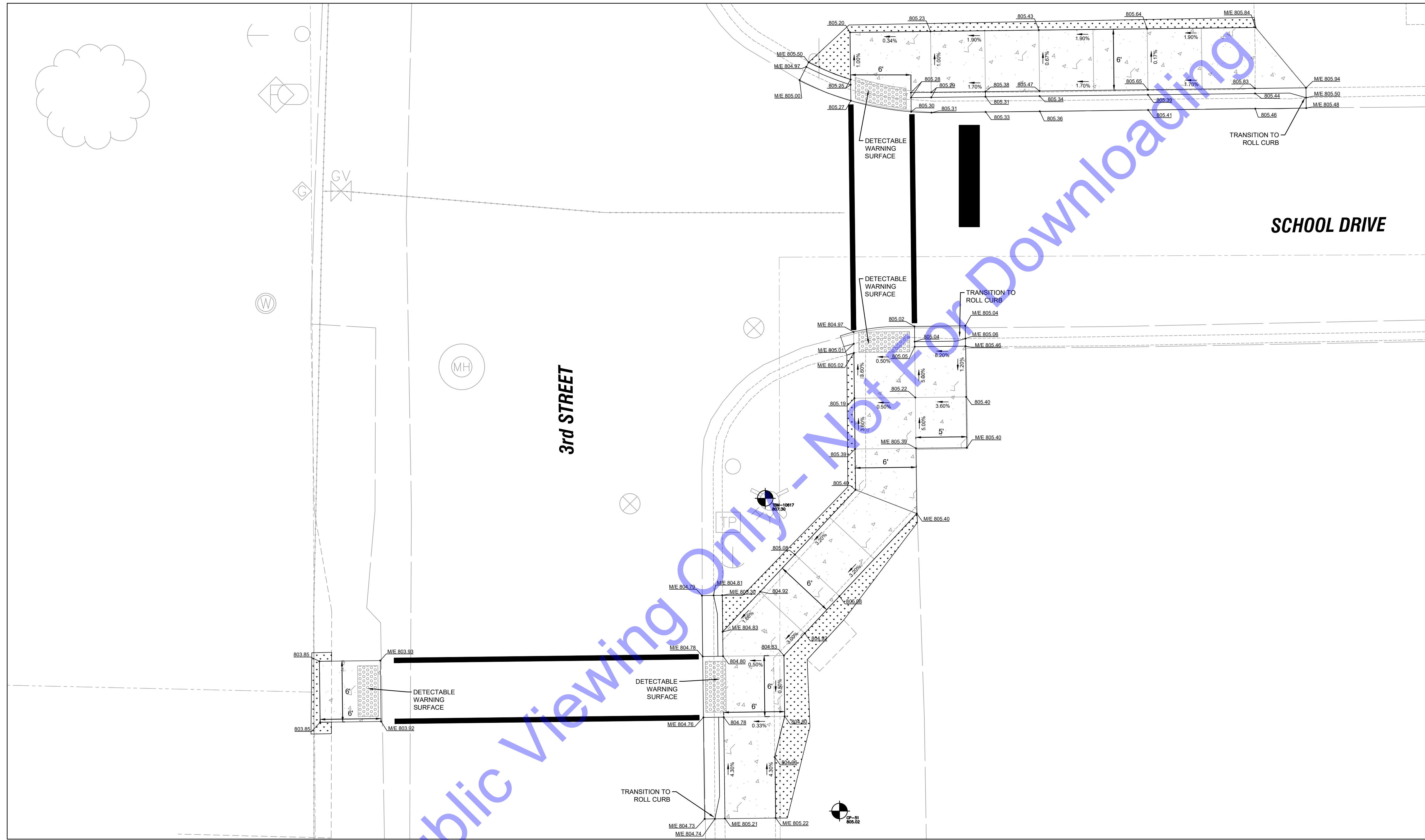
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CURB RAMP DETAILS

3rd STREET

Drawing No:
C13
 Sheet: 16 OF 23



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 Signature: *Ryan Marolica* Date: 03/06/2025

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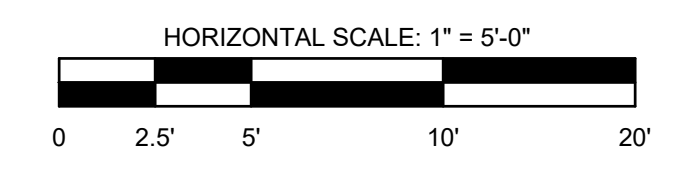
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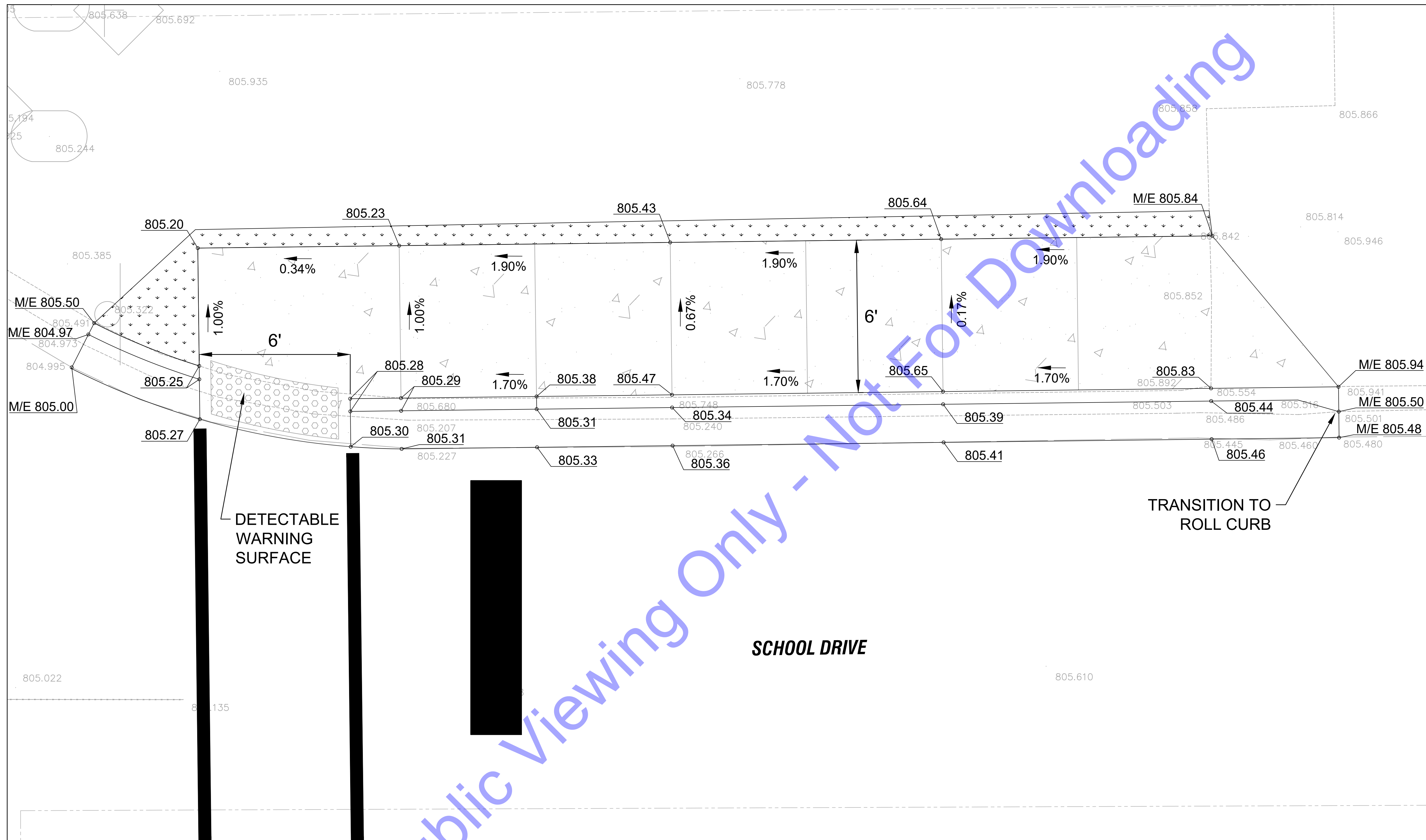


CURB RAMP DETAILS

SCHOOL DRIVE

Drawing No:
C14

Sheet: 17 OF 23



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RYAN N. MAROITZ
 REGISTERED PROFESSIONAL ENGINEER
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Signature: *Ryan Marowitz* Date: 03/06/2025

TOWN OF NEW MARKET
 MONTGOMERY CO., INDIANA

2025 COMMUNITY CROSSINGS
 MATCHING GRANT (CCMG) ROUND 1

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Date	By	Submittal / Revision

Designed By:	Drawn By:	Checked By:
Issue Date:	Project No:	Scale:
03/06/25	H24210	AS SHOWN

CURB RAMP DETAILS

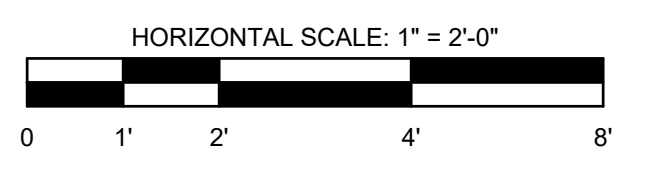
SCHOOL DRIVE

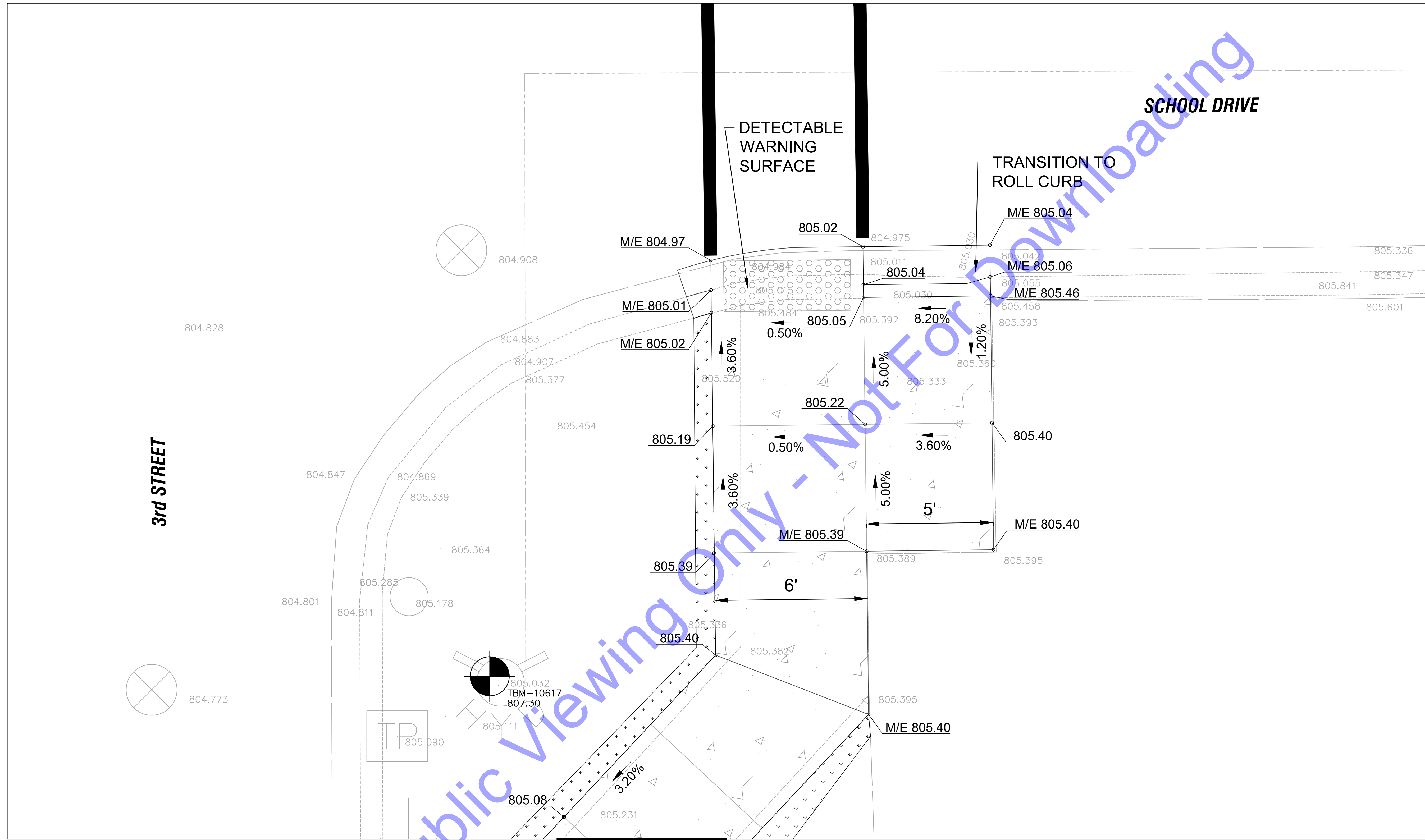
Drawing No:
C15

Sheet: 18 OF 23

NOTES

- ALL CURB RAMPS SHALL BE ADA-COMPLIANT. LONGITUDINAL SLOPE SHALL NOT EXCEED 5.0%. TRANSVERSE SLOPE SHALL NOT EXCEED 2.0%.
- CONTRACTOR SHALL TIE INTO EXISTING SIDEWALK AND EDGE OF PAVEMENT AS SHOWN IN THESE PLANS.

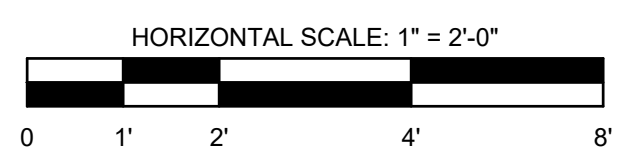




FOR CONTINUATION SEE DWG C17

NOTES

- ALL CURB RAMPS SHALL BE ADA-COMPLIANT. LONGITUDINAL SLOPE SHALL NOT EXCEED 5.0%. TRANSVERSE SLOPE SHALL NOT EXCEED 2.0%.
- CONTRACTOR SHALL TIE INTO EXISTING SIDEWALK AND EDGE OF PAVEMENT AS SHOWN IN THESE PLANS.



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RYAN N. MAROLICA
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA
 PE11300519

Ryan Marolica
 Signature
 03/06/2025
 Date

TOWN OF NEW MARKET
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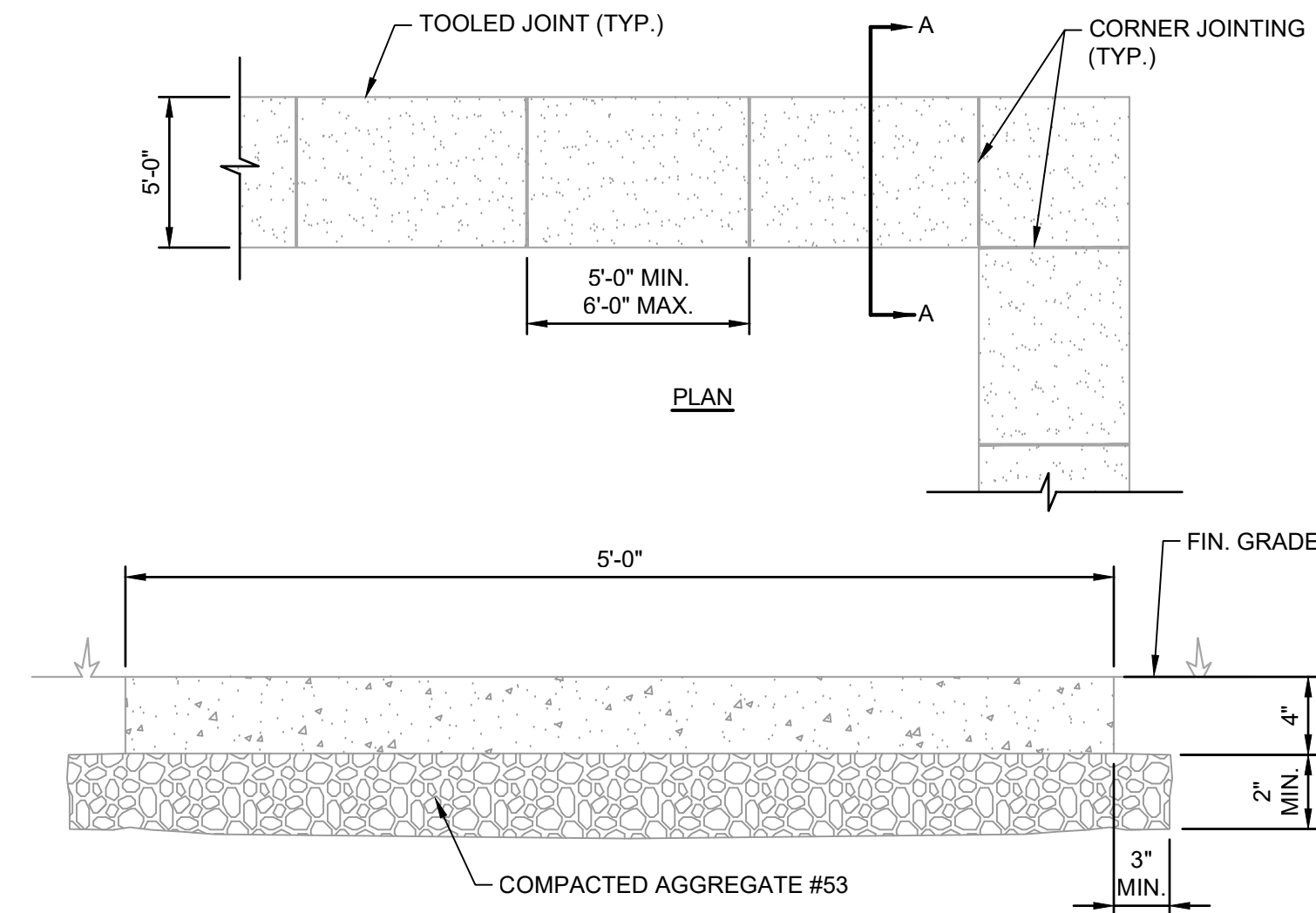
Date	By	Submittal / Revision

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Issue Date:	Project No:	Scale:
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CURB RAMP DETAILS

SCHOOL DRIVE

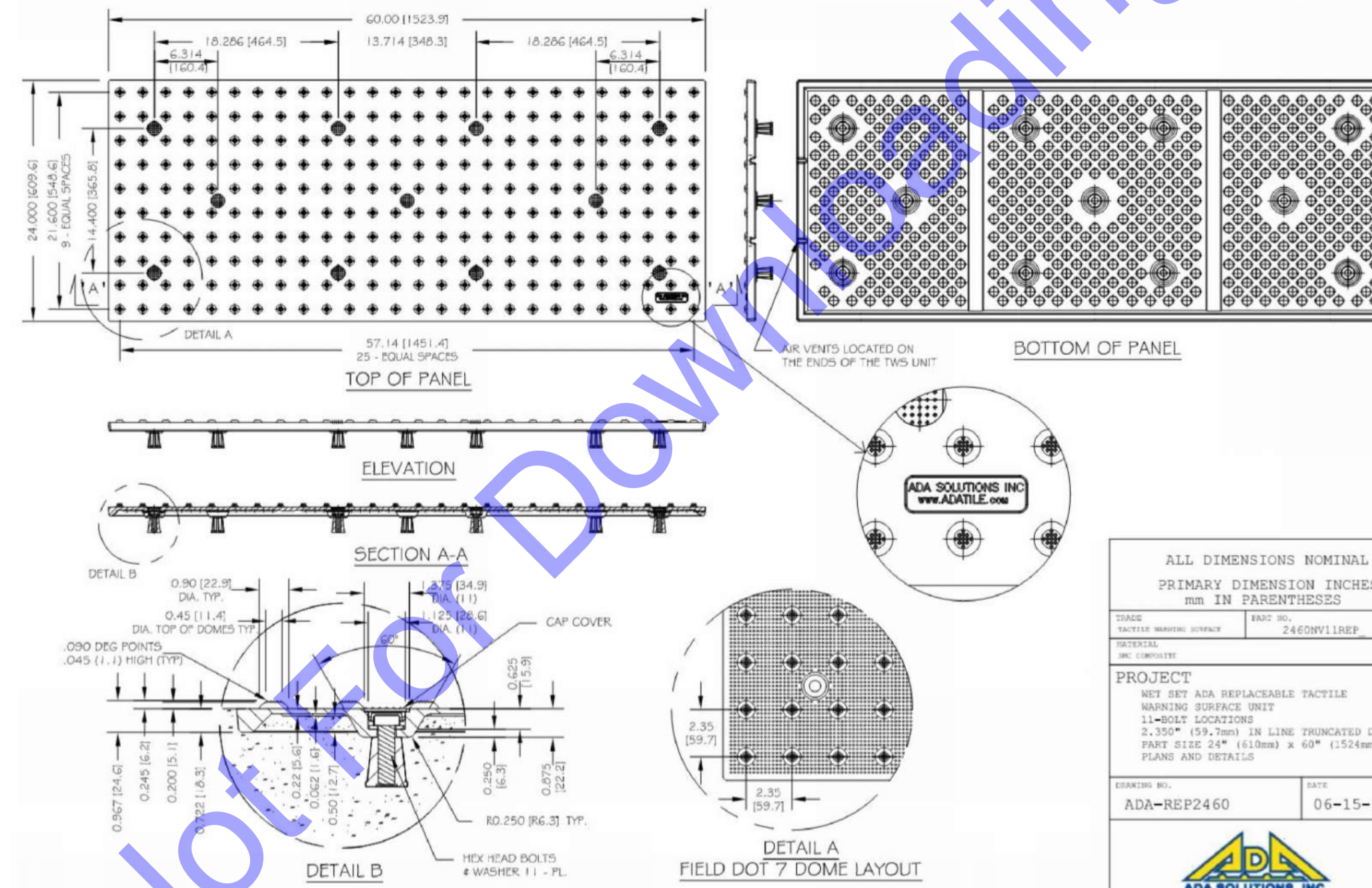
Drawing No:
C16
 Sheet: 19 OF 23



GENERAL NOTES:

1. TRANSVERSE JOINTS SHALL BE CUT WITH A JOINTER HAVING A RADIUS OF 1/4" AT SPACING AT A MINIMUM OF 6'-0".
2. SIDEWALK SHALL BE 6 IN. THICK WITH 4 IN. OF COMPACTED AGGREGATE No. 53 AT ALL DRIVEWAY CROSSINGS.
3. SIDE SLOPE SHALL BE 1.50%.
4. SIDEWALK SHALL BE HIGHER THAN ADJACENT GRADES TO ALLOW FOR POSITIVE DRAINAGE AND PREVENT PONDING.

CONCRETE SIDEWALK DETAIL
NO SCALE



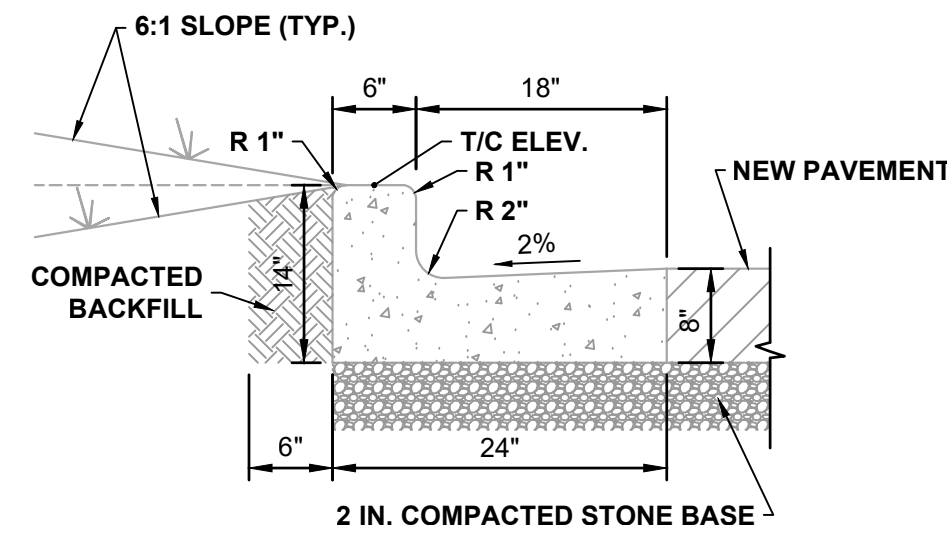
ALL DIMENSIONS NOMINAL
PRIMARY DIMENSION INCHES
mm IN PARENTHESES

GRADE	24.00 (609.6)
REVISION	24.00 (609.6)
DATE	06-15-17

PROJECT
REPLACEABLE TACTILE
WARNING SURFACE UNIT
11-1/2" DIA. TRUNCATED CONE
2,350* (59.7mm) IN LINE TRUNCATED CONE
PART SIZE 24" (610mm) x 48" (1219mm)
PLANS AND DETAILS

DATE: 06-15-17

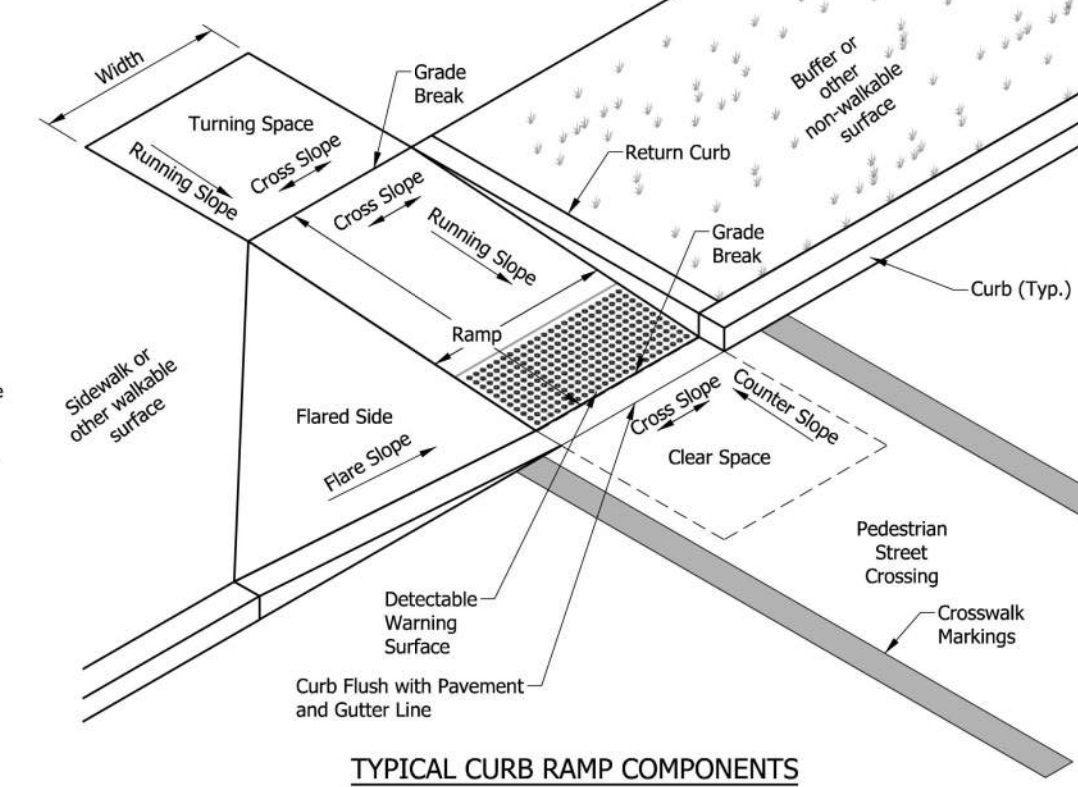
ADA SOLUTIONS, INC.
REGISTERED CONTRACTOR
FOR FEDERAL CROSSINGS
WWW.ADATILE.COM
PHONE: (800) 372-0519
EMAIL: INFO@ADATILE.COM



CONCRETE CURB & GUTTER
NO SCALE

GENERAL NOTES:

1. All slopes are absolute rather than relative to the sidewalk or roadway grade. Slopes at least 0.50% less than the maximum are preferred.
2. Ramp or Blended Transition. A ramp or blended transition shall be used to lower or raise the sidewalk to connect with the street or highway.
3. Turning Space. A turning space shall be provided at the top of a perpendicular ramp, bottom of a parallel ramp, or where the pedestrian travel requires a change in direction. A common turning space may be shared by adjacent ramps. The turning space shall have a minimum clear dimension of 4 ft x 4 ft. Where the turning space is constrained at the back of the sidewalk by a curb, retaining wall, building, or feature over 2 inches in height, the minimum clear dimension shall be 4 ft x 5 ft, with the 5-ft dimension in the direction of the ramp running slope.
4. Flared Side. A flared side shall be used adjacent to a walkable surface. A flared side may be used adjacent to a non-walkable surface. A flared side shall have a maximum slope of 10.00% measured parallel to the back of the curb.
5. Return Curb. A return curb is placed perpendicular to the roadway curb. A return curb may be used adjacent to a non-walkable surface. A return curb shall not be used adjacent to a walkable surface. The return curb may be omitted where the non-walkable surface is flared and the curb adjacent the roadway is tapered to meet the flush curb at the bottom of the ramp.
6. Clear Space. A clear space shall be provided beyond the bottom grade break of a curb ramp wholly contained within the crosswalk and wholly outside the parallel vehicular travel path. The clear space shall have a minimum clear dimension of 4 ft x 4 ft.
7. Detectable Warning Surface. A detectable warning surface shall consist of truncated domes and be placed at each street, highway, or railroad crossing. The detectable warning surface shall extend a minimum of 2 ft in the direction of pedestrian travel and be placed the entire width of a ramp, blended transition, or turning space.
8. Running Slope. The running slope of a ramp, blended transition, or turning space shall be measured parallel to the direction of pedestrian travel.
 - a. A running slope of 2.00% or less is considered level.
 - b. A ramp shall have a maximum running slope of 8.33% but shall not require a ramp length to exceed 15 ft.
 - c. A blended transition shall have a maximum running slope of 5.00%.
 - d. A turning space shall have a maximum running slope of 2.00%.
9. Width. Unless otherwise noted, minimum width of a ramp, blended transition, or turning space, excluding flared sides or return curb, shall be 4 ft.
10. Grade Break. A grade break at the top and bottom of a ramp, blended transition, or turning space shall be perpendicular to the running slope. Grade breaks shall not be within the ramp, blended transition, turning space, or detectable warning surface. Grade breaks shall be flush. Vertical discontinuities shall not be greater than 1/2 in. Where a discontinuity is greater than 1/4 in. the surface shall be beveled with a slope not steeper than 1V:2H.
11. Cross Slope Exceptions. The cross slope of a ramp, blended transition, or turning space shall be measured perpendicular to the direction of pedestrian travel.
 - a. The maximum cross slope at a pedestrian street crossing without posted yield or stop control shall be 5.00%.
 - b. The maximum cross slope at a pedestrian street crossing with posted yield or stop control shall be 2.00%.
 - c. The maximum cross slope at a midblock crossing shall be the established grade of the adjacent roadway.
12. Counter Slope. A counter slope is the cross slope of the gutter or street adjacent the running slope of the ramp, blended transition, or turning space. See Standard Drawing E 604-SWCR-14 for counter slope details.
13. Objects such as a utility cover, vault frame, and grating shall be placed outside the curb ramp.
14. Curb ramps shall be placed within the marked crosswalk area.
15. Drainage inlets should be located uphill from a curb ramp to prevent ponding in the path of pedestrian travel.



INDIANA DEPARTMENT OF TRANSPORTATION
CURB RAMP
GENERAL NOTES
STANDARD DRAWING NO. E 604-SWCR-01

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RYAN A. MAROCCA
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
PE11300519
Signature: Ryan Marocca
Date: 03/06/2025

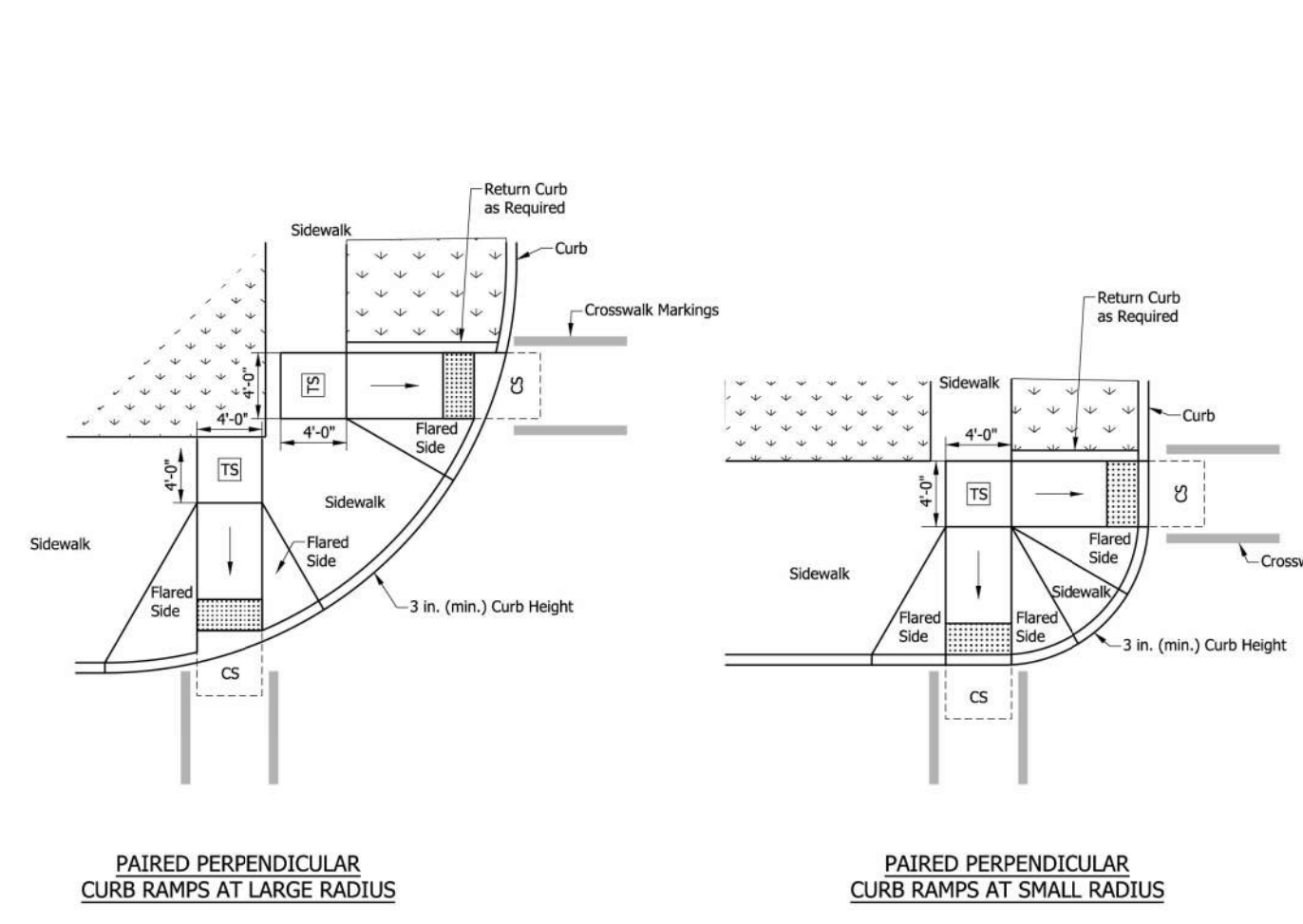
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RNM	RNM	RLM
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03/06/25	H24210	AS SHOWN

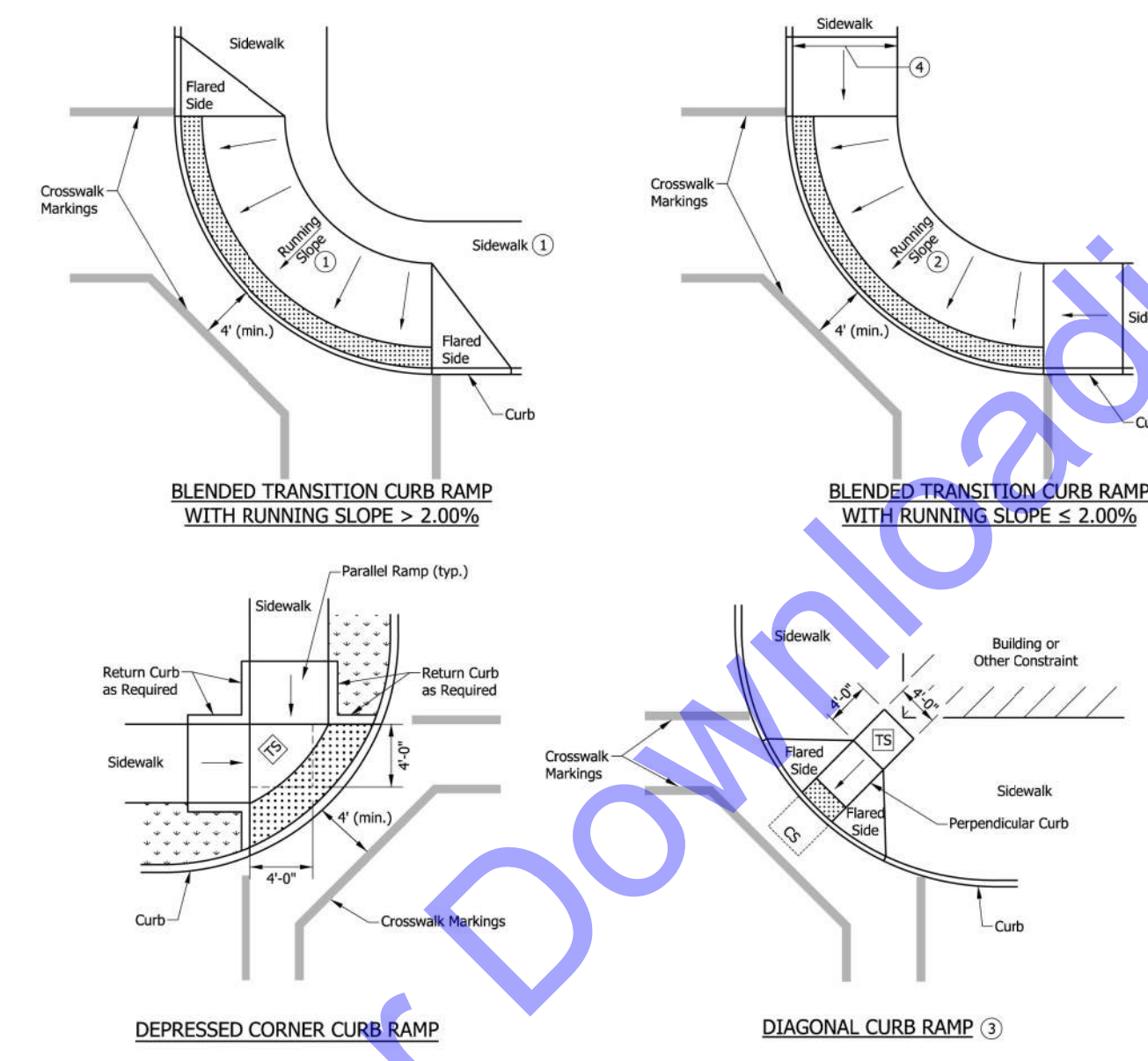
CONSTRUCTION
DETAILS



NOTE:
 1. The turning space shall have a minimum clear dimension of 4 ft x 4 ft and a running slope of 2.00% maximum. Where the turning space is constrained at the back of the sidewalk, the minimum clear dimension shall be 4 ft x 5 ft, with the 5-ft dimension in the direction of the ramp running slope.

LEGEND:
 [Symbol] Buffer or Other Non-Walkable Surface
 [Symbol] Ramp
 [Symbol] Detectable Warning Surface
 [Symbol] Turning Space
 [Symbol] Clear Space

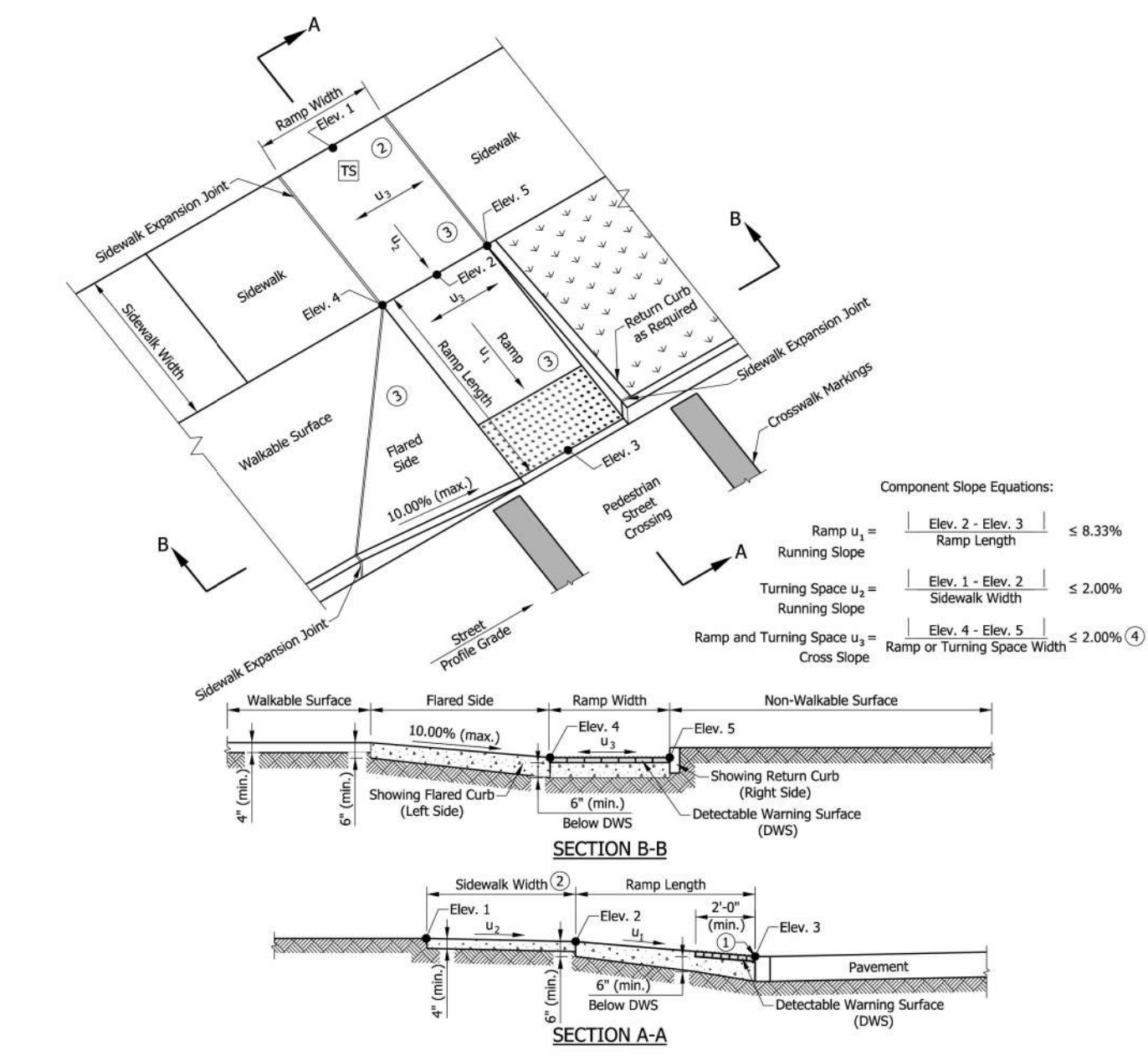
INDIANA DEPARTMENT OF TRANSPORTATION
 PAIRED PERPENDICULAR CURB RAMP TYPICAL PLACEMENT
 STANDARD DRAWING NO. E 604-SWCR-03



NOTES:
 ① Where the running slope is greater than 2.00%, a 4-ft minimum sidewalk shall continue behind the blended transition. The running slope shall not exceed 5.00%.
 ② Where the running slope is less than or equal to 2.00% a 4-ft minimum sidewalk is not required behind the blended transition.
 ③ A diagonal curb ramp shall not be used for new construction. For an alteration project, a diagonal curb ramp shall be used only where existing physical conditions prevent paired curb ramps, a blended transition curb ramp, or a depressed corner curb ramp from being provided.
 ④ Where there is no buffer between the sidewalk and curb the preferred minimum sidewalk width is 6 ft. Where a buffer is placed between the sidewalk and curb, the preferred minimum sidewalk width is 5 ft. See Standard Drawing Series E 604-SWCR for sidewalk details.

LEGEND:
 [Symbol] Buffer or Other Non-Walkable Surface
 [Symbol] Ramp
 [Symbol] Detectable Warning Surface
 [Symbol] Turning Space
 [Symbol] Clear Space

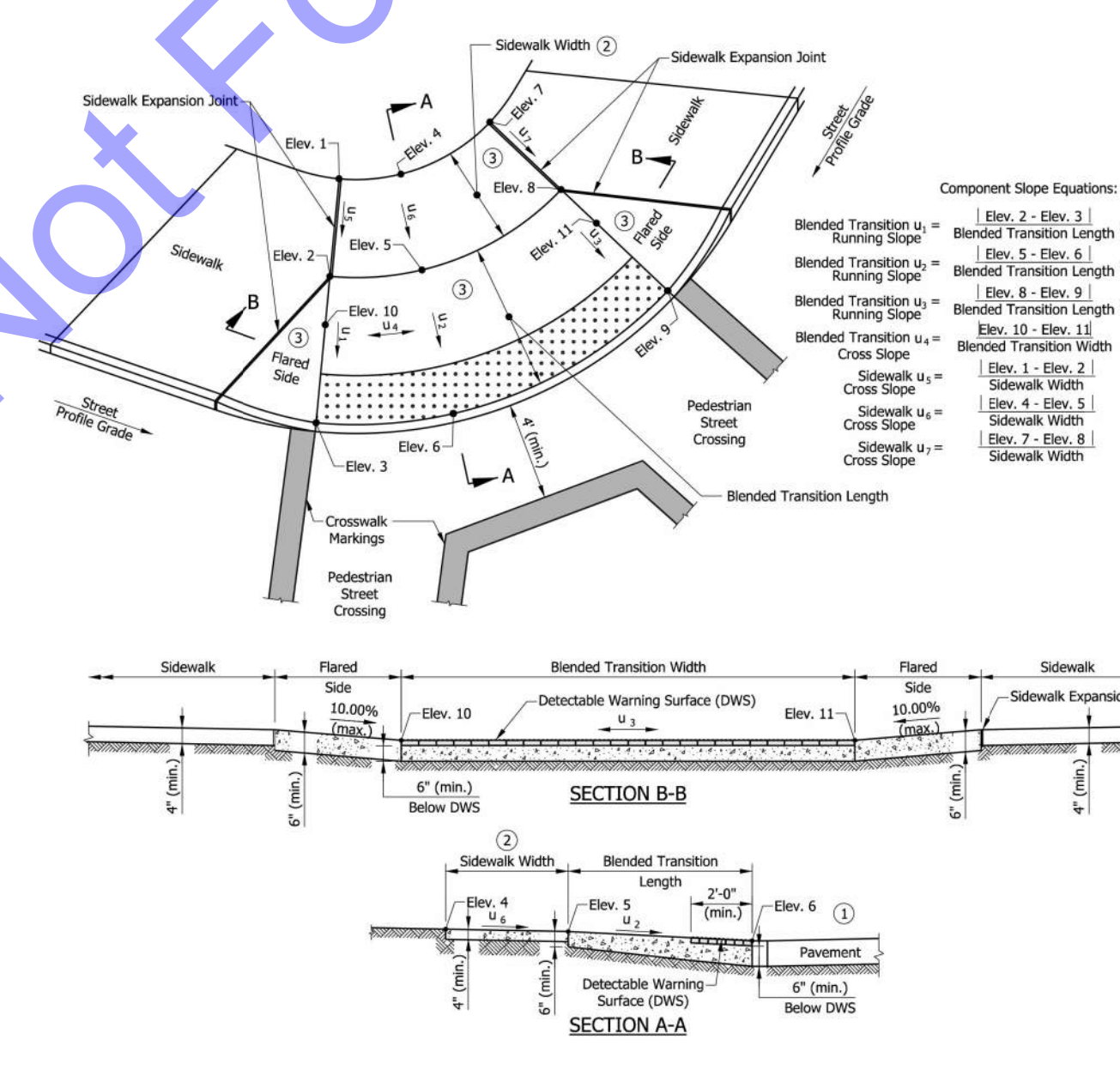
INDIANA DEPARTMENT OF TRANSPORTATION
 BLENDED TRANSITION CURB RAMP, DEPRESSED CURB RAMP AND DIAGONAL CURB RAMP TYPICAL PLACEMENT
 STANDARD DRAWING NO. E 604-SWCR-09



NOTES:
 ① The bottom edge of the ramp and top of curb shall be flush with the edge of adjacent pavement and gutter line.
 ② The turning space shall have a minimum clear dimension of 4 ft x 4 ft. Where the turning space is constrained at the back of the sidewalk, the minimum clear dimension shall be 4 ft x 5 ft, with the 5-ft dimension in the direction of the ramp running slope. Where a tapered perpendicular curb ramp is used, a constrained turning space shall have a minimum clear dimension of 5 ft x 5 ft.
 ③ Curb ramp surface shall be coarse broomed transverse to the running slope.
 ④ See Standard Drawing E 604-SWCR-01 for cross slope exceptions.
 ⑤ See Standard Drawing E 604-SWCR-12, -13, and -14 for Detectable Warning Surface placement, configuration, and details.
 ⑥ See Standard Drawing E 604-CCS-01 for sidewalk expansion joint details.

LEGEND:
 [Symbol] Buffer or Other Non-Walkable Surface
 [Symbol] Ramp
 [Symbol] Detectable Warning Surface
 [Symbol] Turning Space

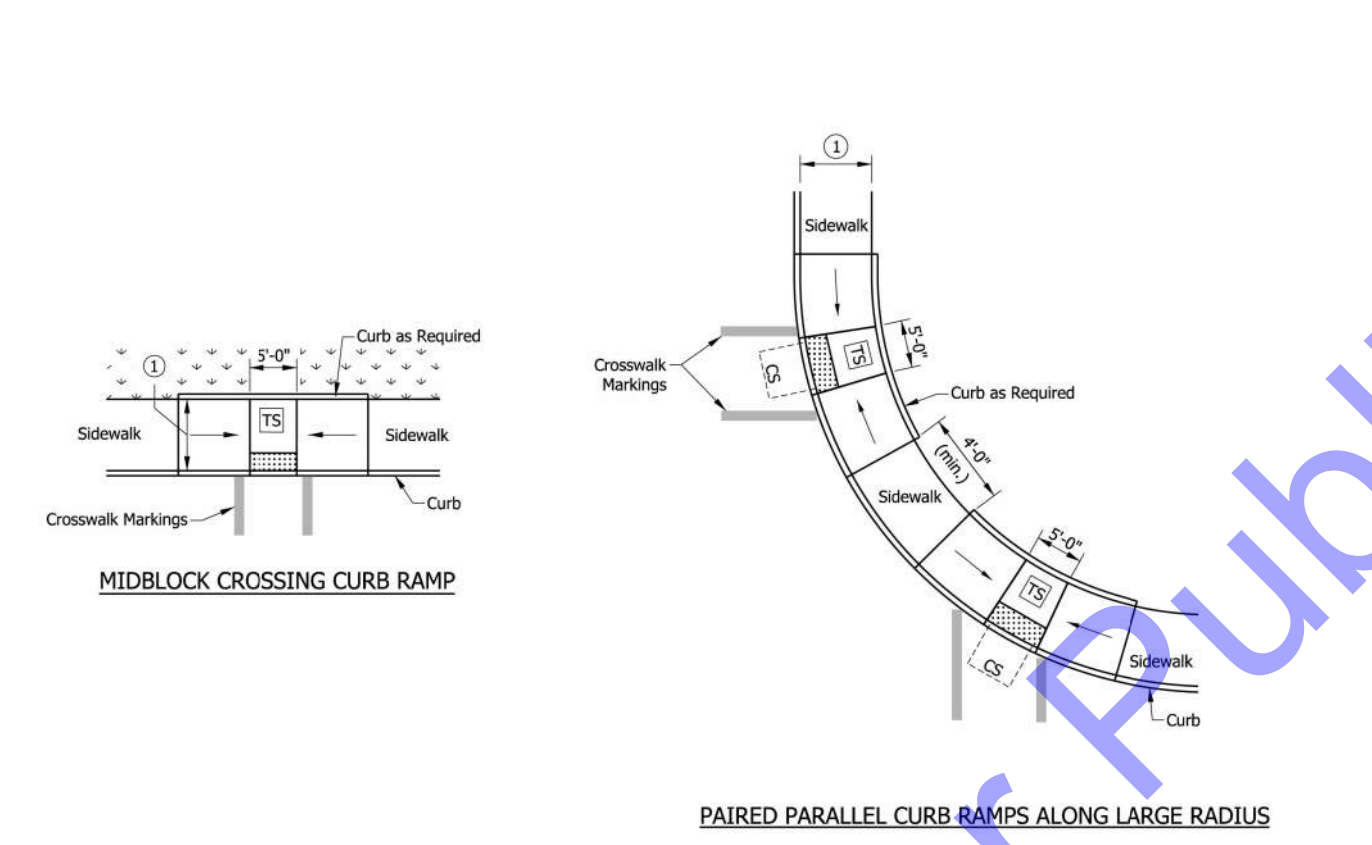
INDIANA DEPARTMENT OF TRANSPORTATION
 PERPENDICULAR CURB RAMP COMPONENT DETAILS
 STANDARD DRAWING NO. E 604-SWCR-04



NOTES:
 ① The bottom edge of the blended transition and top of curb shall be flush with the edge of adjacent pavement and gutter line.
 ② Where the running slope is less than or equal to 2.00% a 4-ft minimum sidewalk is not required behind the blended transition. Where the running slope is greater than 2.00%, a 4-ft minimum sidewalk shall continue behind the blended transition and the running slope shall not exceed 5.00%.
 ③ Curb ramp surface shall be coarse broomed transverse to the running slope.
 ④ See Standard Drawing E 604-SWCR-01 for cross slope exceptions.
 ⑤ See Standard Drawing E 604-SWCR-12, -13, and -14 for Detectable Warning Surface placement, configuration, and details.
 ⑥ See Standard Drawing E 604-CCS-01 for sidewalk expansion joint details.

LEGEND:
 [Symbol] Ramp
 [Symbol] Detectable Warning Surface

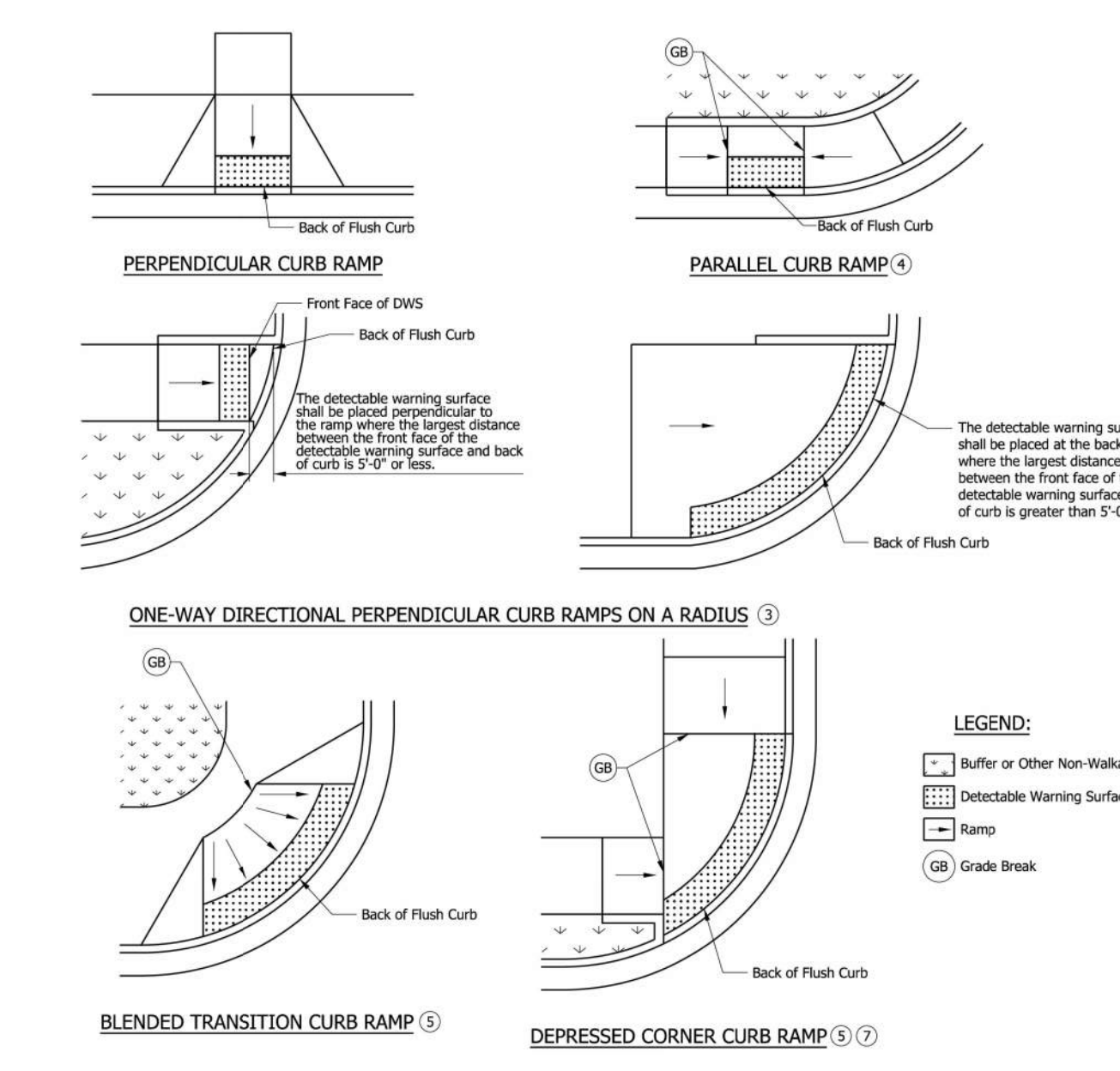
INDIANA DEPARTMENT OF TRANSPORTATION
 BLENDED TRANSITION CURB RAMP COMPONENT DETAILS
 STANDARD DRAWING NO. E 604-SWCR-10



NOTES:
 ① Where there is no buffer between the sidewalk and curb the preferred minimum sidewalk width is 6 ft. Where a buffer is placed between the sidewalk and curb, the preferred minimum sidewalk width is 5 ft. See Standard Drawing Series E 604-SWCR for sidewalk details.
 ② The turning space shall have a minimum clear dimension of 4 ft x 4 ft and a running slope of 2.00% maximum. Where the turning space is constrained at the back of the sidewalk, the minimum clear dimension shall be 4 ft x 5 ft, with the 5-ft dimension in the direction of the ramp running slope.

LEGEND:
 [Symbol] Buffer or Other Non-Walkable Surface
 [Symbol] Ramp
 [Symbol] Detectable Warning Surface
 [Symbol] Turning Space
 [Symbol] Clear Space

INDIANA DEPARTMENT OF TRANSPORTATION
 PAIRED PARALLEL CURB RAMP AND MIDBLOCK CROSSING CURB RAMP TYPICAL PLACEMENT
 STANDARD DRAWING NO. E 604-SWCR-07



NOTES:
 1. A detectable warning surface shall be placed at each street, highway, or railroad crossing. See Standard Drawing E 604-SWCR-03 for a detectable warning surface placement at a sidewalk driveway crossing.
 2. The detectable warning surface shall extend a minimum of 2 ft in the direction of pedestrian travel and extend the full width as shown. The detectable warning surface shall not be placed across a grade break.
 3. Where the distance from the face of the detectable warning surface is 5 ft or less from the back of curb, the detectable warning surface shall be placed perpendicular to the ramp. Where the distance from the face of the detectable warning surface is more than 5 ft from the back of curb, the detectable warning surface shall be placed at the back of curb as shown or in an alternate placement configuration. See Standard Drawing E 604-SWCR-13 for alternate detectable warning surface placement.
 4. The detectable warning surface on a parallel curb ramp shall be placed on the turning space at the flush transition between the street and turning space at the back of curb.
 5. The detectable warning surface on a blended transition or depressed corner shall be placed at the back of curb as shown or in an alternate placement configuration. See Standard Drawing E 604-SWCR-13 for alternate detectable warning surface placement.
 6. See Standard Drawing E 604-SWCR-14 for detectable warning surface details.

LEGEND:
 [Symbol] Buffer or Other Non-Walkable Surface
 [Symbol] Detectable Warning Surface (DWS)
 [Symbol] Ramp
 [Symbol] Grade Break

INDIANA DEPARTMENT OF TRANSPORTATION
 DETECTABLE WARNING SURFACE PLACEMENT AND CONFIGURATION
 STANDARD DRAWING NO. E 604-SWCR-12

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PE11300519
 RAVI N. MAROJA
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF INDIANA
 Signature: *Ravi Maroja*
 Date: 03/06/2025

INDIANA DEPARTMENT OF TRANSPORTATION
 PAIRED PERPENDICULAR CURB RAMP TYPICAL PLACEMENT
 STANDARD DRAWING NO. E 604-SWCR-03

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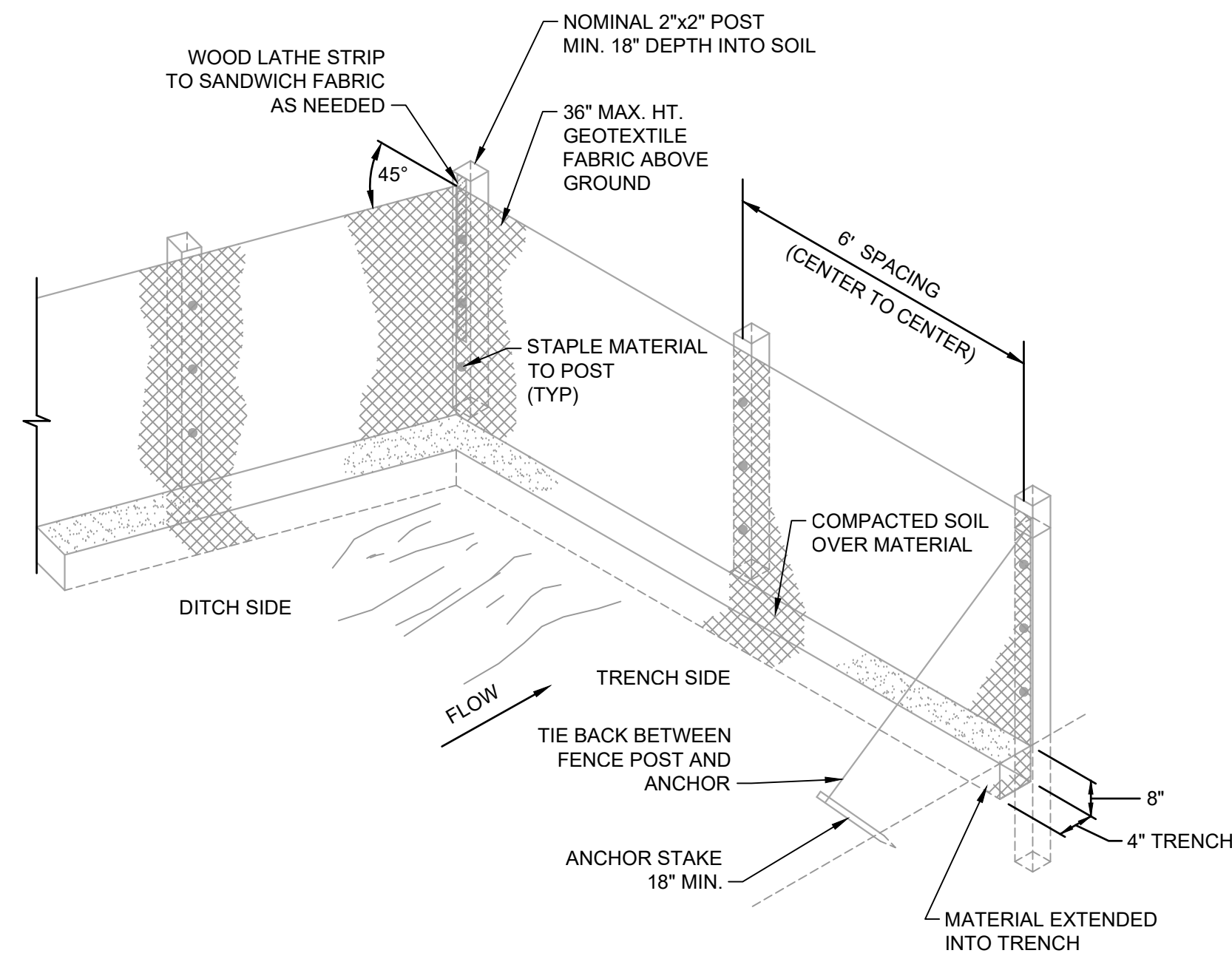
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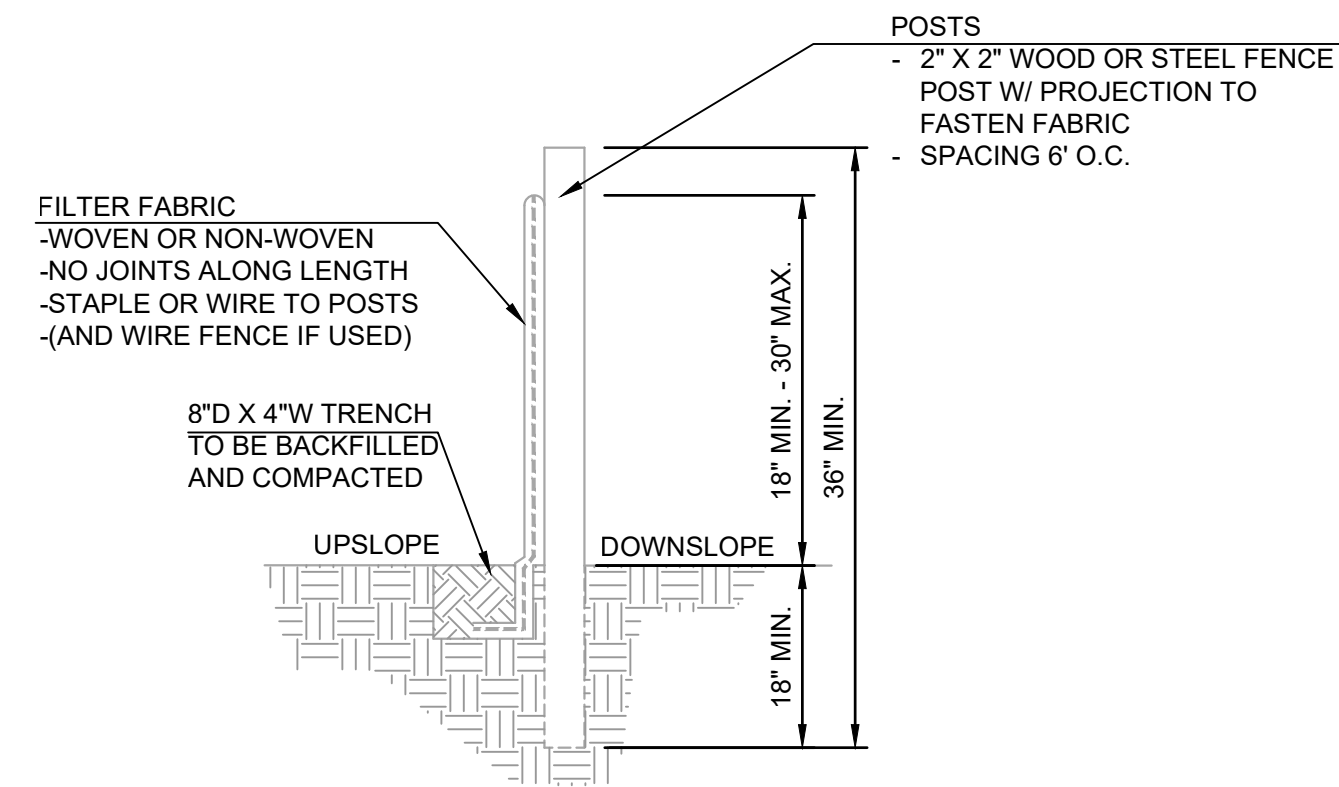
CONSTRUCTION DETAILS

Drawing No:
CD2
 Sheet: 22 OF 23



GENERAL NOTES:

- SILT FENCES SHOULD BE INSTALLED PRIOR TO MAJOR SOIL DISTURBANCE.
- FENCES SHALL BE INSTALLED BETWEEN THE TRENCH AND ANY DRAINAGE DITCHES OR SWALES.
- FENCES SHALL ALSO BE INSTALLED AROUND THE STOCKPILED SOILS.
- THE GEOTEXTILE SHALL BE FREE FROM DEFECTS, TEARS, PUNCTURES, FLAWS, DETERIORATION OR DAMAGE INCURRED DURING MANUFACTURE, TRANSPORTATION, STORAGE, OR INSTALLATION.
- TIE BACKS SHALL BE PLACED AS REQUIRED.



INSTALLATION:

- THE BOTTOM 1' OF THE FENCE SHALL BE BURIED IN THE TRENCH ON THE UPSLOPE SIDE.
- FENCE SHALL BE INSTALLED ALONG LEVEL GRADES, NOT ACROSS FLOW CHANNELS.
- IF OPTIONAL SUPPORT WIRE FENCE IS USED, POST SPACING MAY BE EXTENDED TO 8' O.C.

MAINTENANCE:

- INSPECT SILT FENCE PERIODICALLY (WEEKLY) AND AFTER EACH STORM EVENT.
- IF FABRIC IS TORN OR DAMAGED OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED PORTION IMMEDIATELY.
- REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE, OR IT IS CAUSING THE FABRIC TO BULGE.
- TAKE CARE NOT TO UNDERMINE THE FENCE DURING SEDIMENT REMOVAL.
- AFTER THE CONTRIBUTING AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND REMAINING SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

SILT FENCE DETAIL
NO SCALE



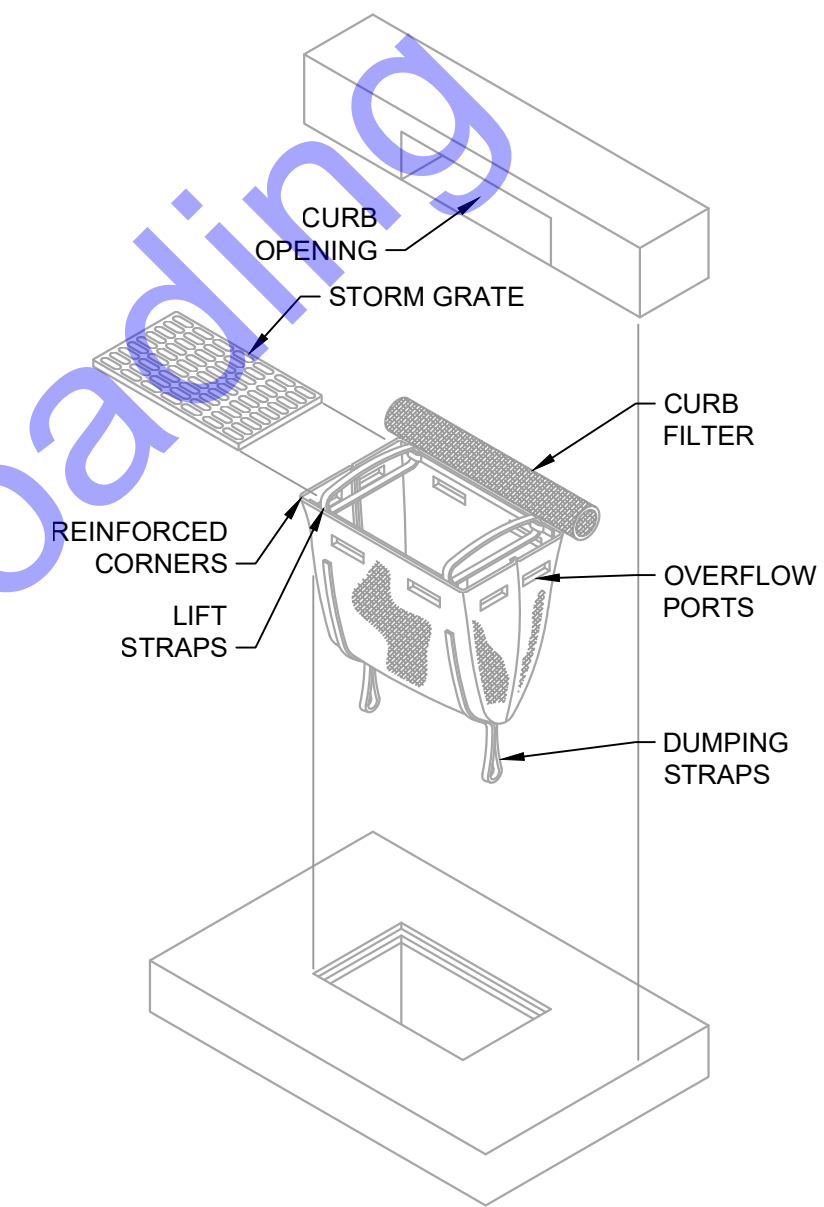
W11-2

W16-7PL

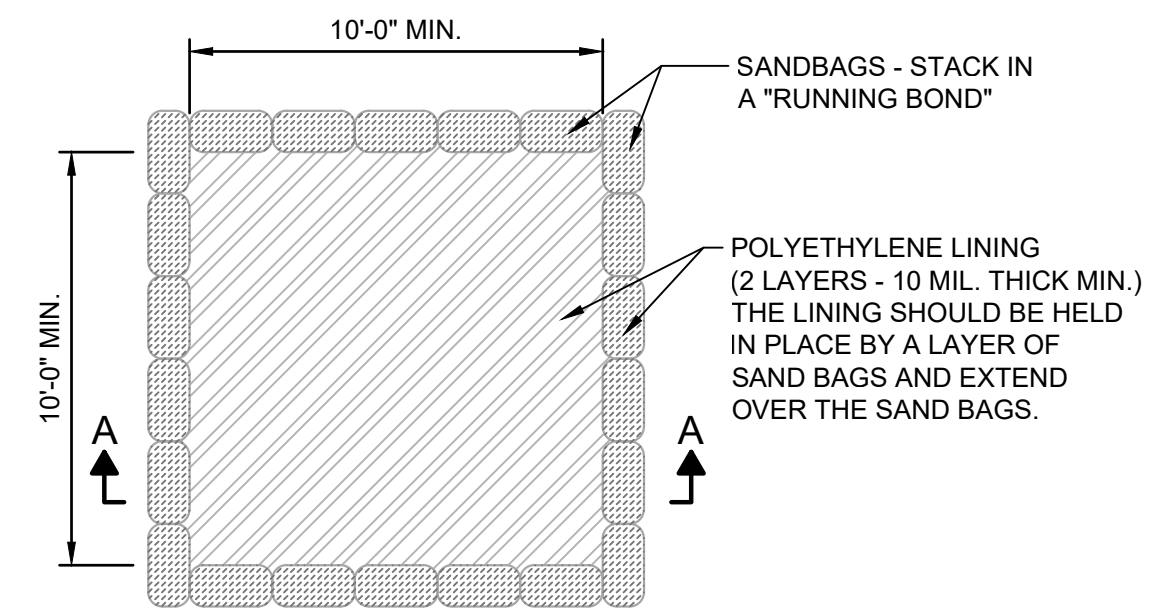
CROSSWALK SIGNAGE
NO SCALE

BRAND	TAFCO OR APPROVED EQUAL
LED SIGN TYPE	FLASHING TRAFFIC CONTROL SIGN
SIGN LEGEND	STOP
SIGN HEADER TEXT COLOR	WHITE
BACKGROUND COLOR	RED
MUTCD COMPLIANT?	YES
MUTCD CODE	R1-1
SIGN MATERIAL	ALUMINUM
RETROREFLECTIVE GRADE	DIAMOND GRADE
LED DISPLAY COLOR	RED
LED LIFE EXPECTANCY	100,000 HOURS
LED WATTAGE	1 W
SIGN HEIGHT	36 IN.
SIGN WIDTH	36 IN.
THICKNESS	0.08 IN.
PROTECTIVE COATING	CLEAR FILM LAMINATE
BASIC POWER SOURCE	SOLAR
NUMBER OF SIDES	1
INCLUDES BATTERY?	YES
BATTERY TYPE	NIMH
BATTERY CAPACITY	14.0 Ah
NUMBER OF BATTERIES	1
INCLUDES SOLAR PANEL?	YES
SOLAR PANEL WATTAGE	13 W
SOLAR CHARGE LIFE	14 DAYS
SOLAR PANEL DIMENSIONS	14 IN. x 15.5 IN.
ACTIVATION METHOD	ALWAYS ON
AUTO-DIMMING CAPABLE	YES
VISIBILITY DISTANCE	1,000 FT. (DAY); 1 MILE (NIGHT)
MOUNTING HOLE DIA.	0.375 IN.
MOUNTING PATTERN	1 TOP; 1 BOTTOM
HOLES ON 1 IN. CENTER	YES
IP RATING	IP67
FEATURES	ASTM TYPE XI SHEETING
VANDAL RESISTANT	YES
WARRANTY	3 YR. (BATTERY) / 5 YR. (SYSTEM) / 10 YR. (SOLAR PANEL)
STANDARDS	FHWA MINIMUM RETROREFLECTIVITY
UNSPSC	55121710

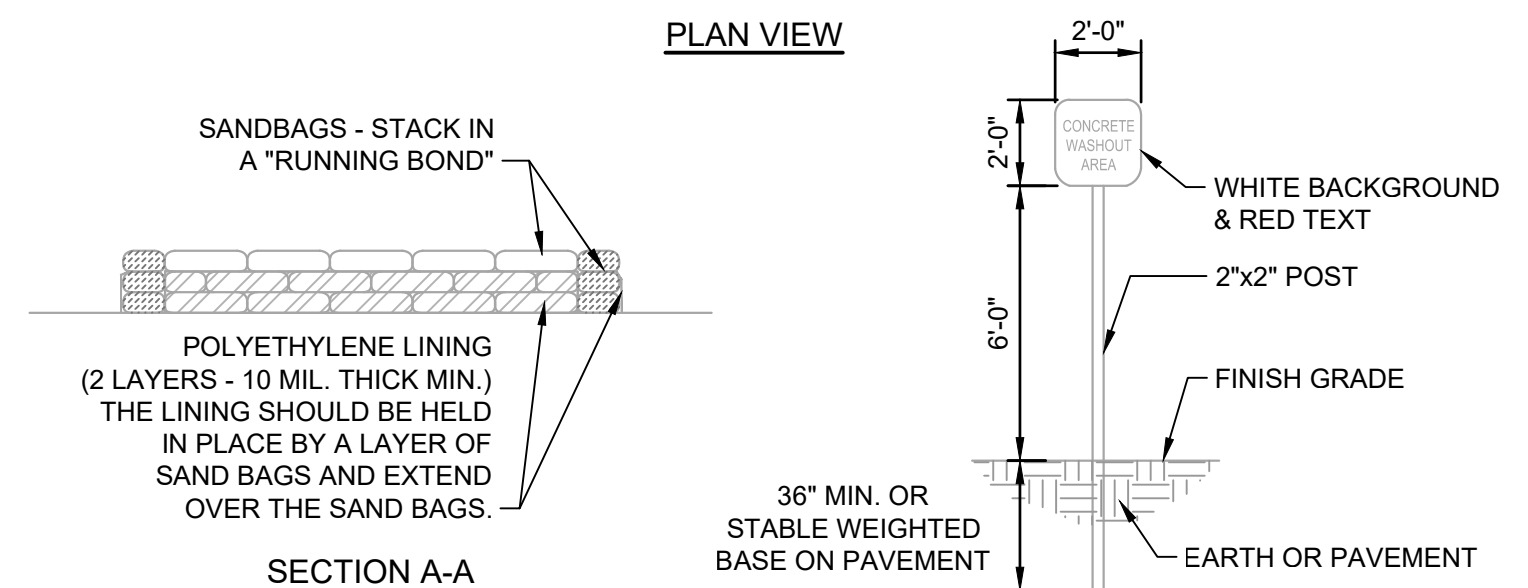
SOLAR-POWERED FLASHING STOP SIGN



INSERT (BASKET) CURB INLET PROTECTION DETAIL
NO SCALE



PLAN VIEW



GENERAL NOTES:

DUE TO SITE CONSTRAINTS THE MINIMUM INTERIOR DIMENSION MAY BE ADJUSTED TO FIT THE SITE. THE STRUCTURE'S INTERIOR FOOTAGE OF 100 SQ.FT. MUST BE MAINTAINED AND THE CONTRACTOR SHALL SUBMIT ANY DESIGN ALTERATIONS TO THE ENGINEER. CONCRETE WASHOUT STRUCTURE SHALL BE RELOCATED CLOSE TO AREAS RECEIVING CONCRETE, AS CONSTRUCTION PROGRESSES.

CONCRETE WASHOUT PIT DETAIL
NO SCALE

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RYAN A. MAROCCA
REGISTERED PROFESSIONAL ENGINEER
STATE OF INDIANA
PE11300519
Signature: Ryan Marocca
Date: 03/06/2025

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Designed By:	Drawn By:	Checked By:
RNM	RNM	RLM
Issue Date:	Project No:	Scale:
03/06/25	H24210	AS SHOWN

CONSTRUCTION DETAILS
Drawing No:
CD3
Sheet: 23 OF 23