

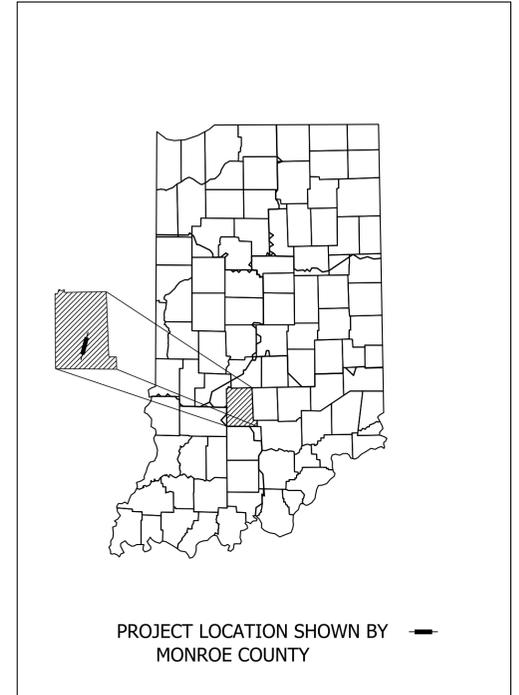
CITY OF BLOOMINGTON INDIANA

DESIGN DATA			
DESIGN SPEED	25, 30 M.P.H.	30 M.P.H.	25 M.P.H.
PROJECT DESIGN CRITERIA	3R (NON-FREEWAY)	3R (NON-FREEWAY)	3R (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION	LOCAL	MINOR COLLECTOR	MINOR ARTERIAL
RURAL/URBAN	URBAN (SUBURBAN)	URBAN (INTERMEDIATE)	URBAN (BUILT-UP)
TERRAIN	ROLLING	ROLLING	ROLLING
ACCESS CONTROL	NONE	NONE	NONE

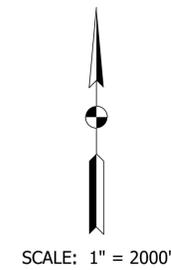
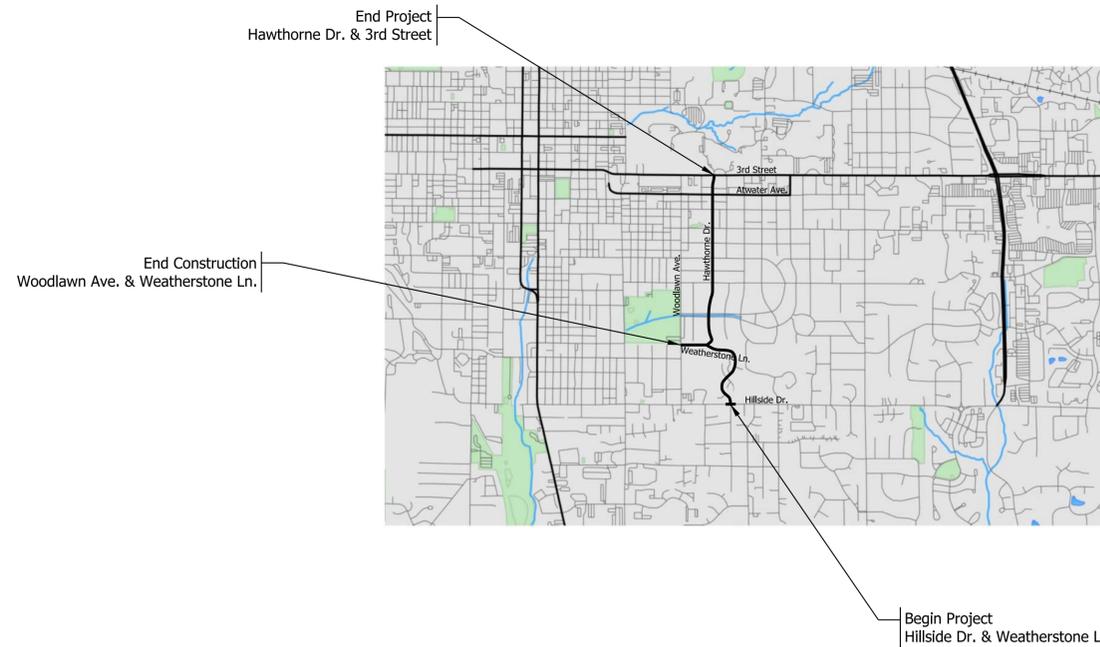
ROAD PLANS

BLOOMINGTON NEIGHBORHOOD GREENWAYS

East Hillside Drive at South Weatherstone Lane
 South Weatherstone Lane: Hillside Drive to Woodlawn Avenue
 South Hawthorne Drive: Weatherstone Lane to East 3rd Street
 Section 4, 9, & 33, T-8-N, T-9-N R-1-W, Perry Township, Monroe County, Indiana



LATITUDE: 39° 09' 03" N LONGITUDE: 86° 31' 08" W

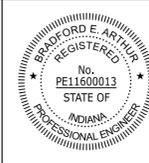


INDIANA DEPARTMENT OF TRANSPORTATION
 STANDARD SPECIFICATIONS DATED 2024
 TO BE USED WITH THESE PLANS

Plot: 11/17/2023 12:52 PM



WSP USA Inc.
 115 W. Washington Street
 Suite 1270S
 Indianapolis, IN 46204
 TEL: 317-972-1706



PLANS PREPARED BY: WSP USA Inc. 317-972-1705 PHONE NUMBER
 CERTIFIED BY: *Bradford E. Arthur* 11/17/2023 DATE
 APPROVED FOR LETTING: _____ INDIANA DEPARTMENT OF TRANSPORTATION DATE

DESIGNATION	
SURVEY BOOK	SHEETS
CONTRACT	1 of 33 PROJECT

Hillside Dr. and Weatherstone Ln.

SURVEY CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	POINT DESCRIPTION
110	191197.2450	782090.9158	796.86	MAG Nail with a metal washer stamped "THE ETICA GROUP CONTROL FIRM #0121"
209	191134.1503	782380.5991	806.46	MAG Nail with a metal washer stamped "THE ETICA GROUP CONTROL FIRM #0121"
211	191173.7664	781720.2684	793.05	CUT X

Original & Temporary Benchmark Descriptions (TBM):

INDOT BM 53-S-66: Bronze INDOT disc in top of 12 inch square concrete pedestal being one foot above ground at northwest intersection of 10th Street and Fee Lane on Indiana University campus. Also, 62 feet north of north curb of 10th Street, and 16 feet west of west curb of Fee Lane.

Elevation = 805.06 (NAVD 88)

TBM 13: Cut X on the north flange bolt of a fire hydrant on the southwest quadrant of the intersection of Hillside Drive and Olive Street.

Elevation = 797.46

Greenways Trail

SURVEY CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	POINT DESCRIPTION
108	192414.8019	781563.3899	799.40	CUT X IN CONCRETE
206	192374.9454	781719.2800	801.29	MAG NAIL WITH ETICA CONTROL WASHER
207	192465.8196	781512.9828	797.88	MAG NAIL WITH ETICA CONTROL WASHER
221	192607.6428	781618.5985	788.91	MAG NAIL WITH ETICA CONTROL WASHER

Original & Temporary Benchmark Descriptions (TBM):

INDOT BM 53-S-0066: Bronze INDOT disc in top of 12 inch square concrete pedestal being one foot above ground at northwest intersection of 10th Street and Fee Lane on Indiana University campus Also , 62 feet north of north curb of 10th Street, and 16 feet west of west curb of Fee Lane.

Elevation = 805.06 (NAVD 88)

TBM 12: Cut X on the southeast flange bolt of a fire hydrant on the north side of Weatherstone Lane and approximately 275 feet east of Woodlawn Avenue

Elevation = 789.77

Hawthorne Dr. and 1st St.

SURVEY CONTROL TABLE				
POINT NO.	NORTHING	EASTING	ELEVATION	POINT DESCRIPTION
100	194286.8615	781690.6724	826.24	CUT X IN CONCRETE
201	194360.5707	781732.4821	829.31	CUT X IN CONCRETE
202	194361.3483	781640.2519	825.42	CUT X IN CONCRETE

Original & Temporary Benchmark Descriptions (TBM):

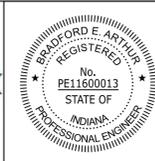
INDOT BM 53-S-0066: Bronze INDOT disc in top of 12 inch square concrete pedestal being one foot above ground at northwest intersection of 10th Street and Fee Lane on Indiana University campus Also , 62 feet north of north curb of 10th Street, and 16 feet west of west curb of Fee Lane.

Elevation = 805.06' (NAVD 88)

TBM 10: Benchtie 12 inches above grade in the southeast face of a power pole at the northwest corner of the intersection of 1st Street and Hawthorne Drive.

Elevation = 826.535'

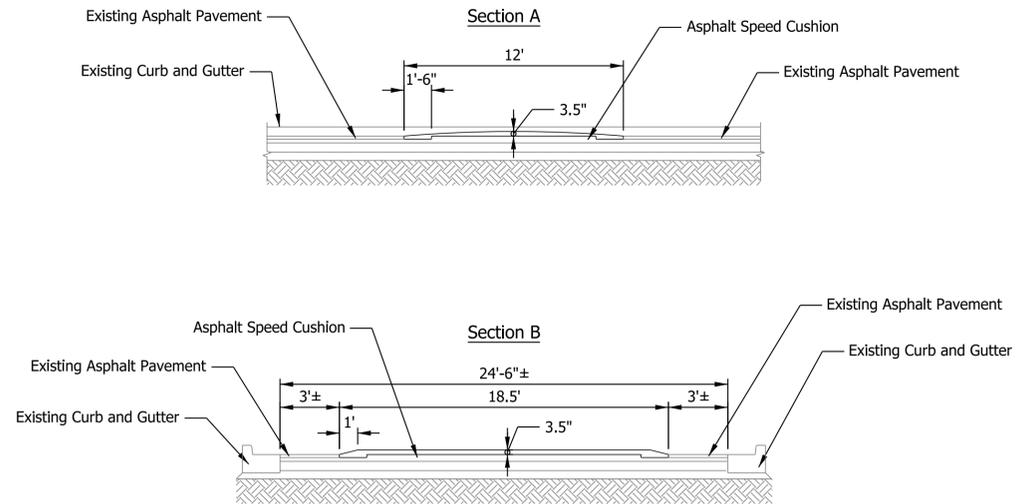
Plot: 11/17/2023 1:18 PM



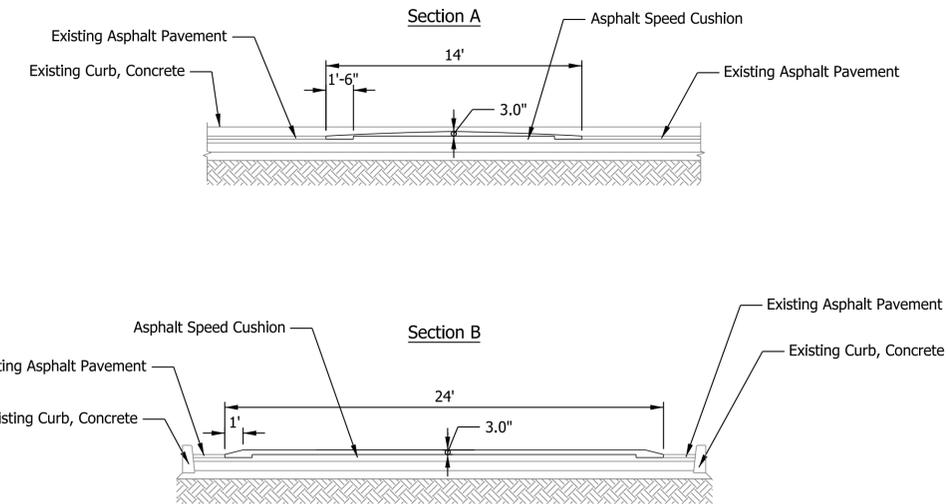
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON	
SURVEY CONTROL AND BENCHMARKS	

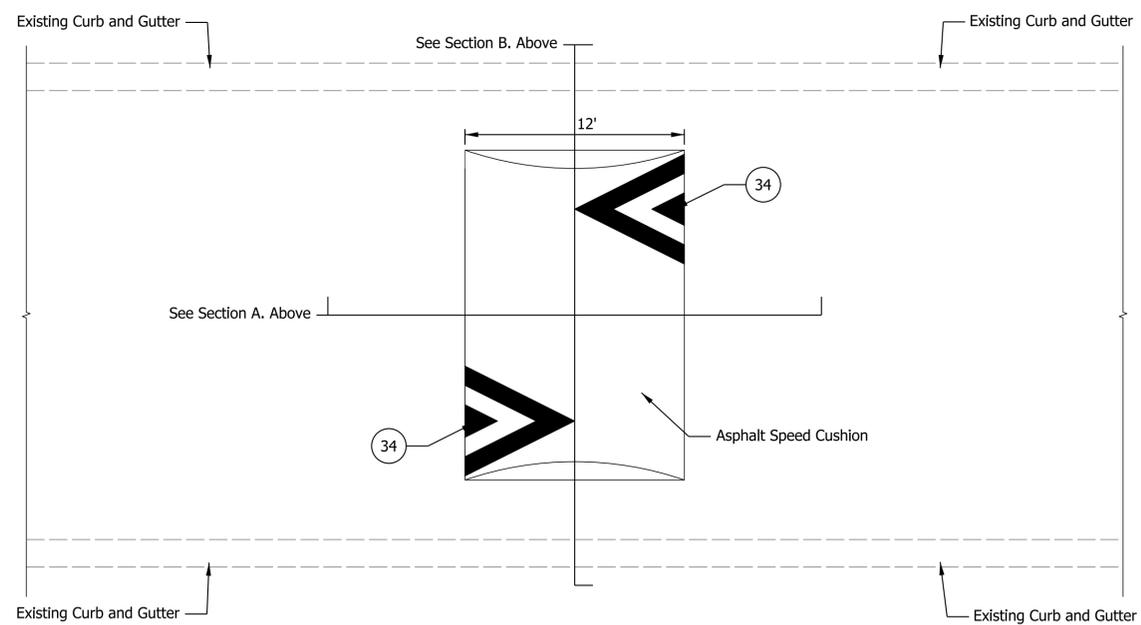
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	3 of 33
CONTRACT	PROJECT



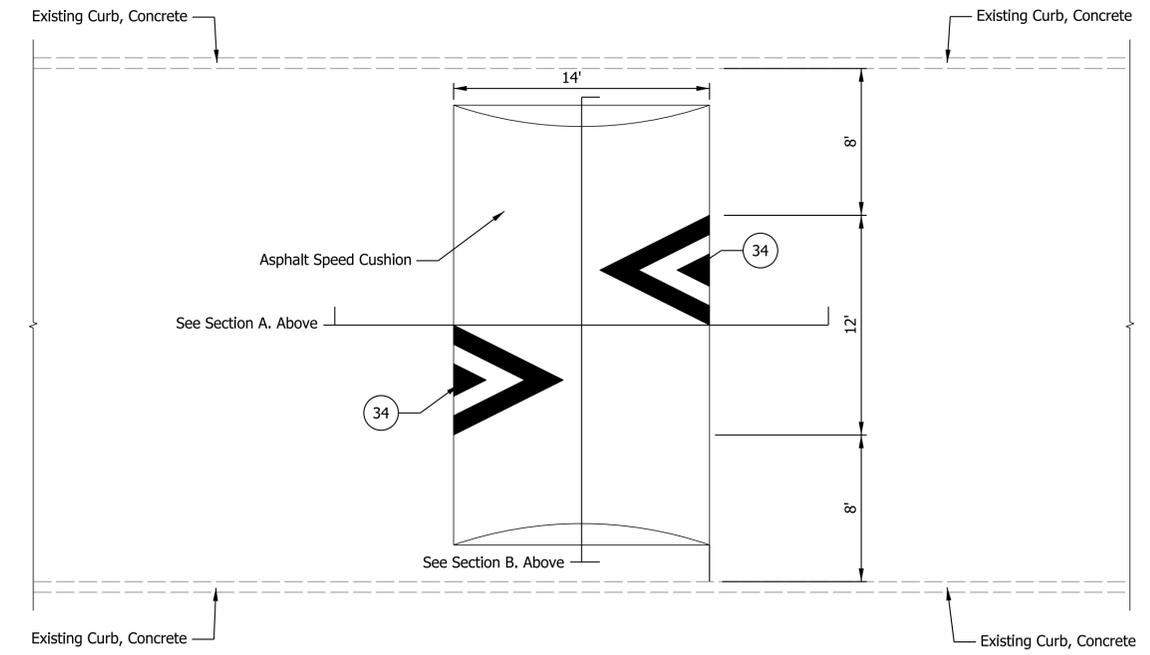
SC1 Asphalt Speed Cushion For Fully Curbed Roadway - Section Weatherstone Ln.



SC2 Asphalt Speed Cushion For Fully Curbed Roadway - Section Side Street: Maxwell Ln. & 1st St.



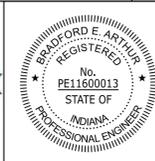
SC1 Asphalt Speed Cushion For Fully Curbed Roadway - Plan Weatherstone Ln.



SC2 Asphalt Speed Cushion For Fully Curbed Roadway - Plan Side Street: Maxwell Ln. & 1st St.

LEGEND

14	Curb, Concrete, Modified	CL	Construction Limits	W	HMA Wedge and Level, Type B: 275 lb/syd HMA Surface, Type B
17	Curb and Gutter, Concrete, Modified	K2	PCC Base Patching, 12 IN.	34	Speed Cushion Markings
26	Sodding, Nursery on Topsoil	R	Asphalt Overlay, If Necessary 165 lb/syd QC/QA-HMA, 2, 64, Surface, 9.5 mm		

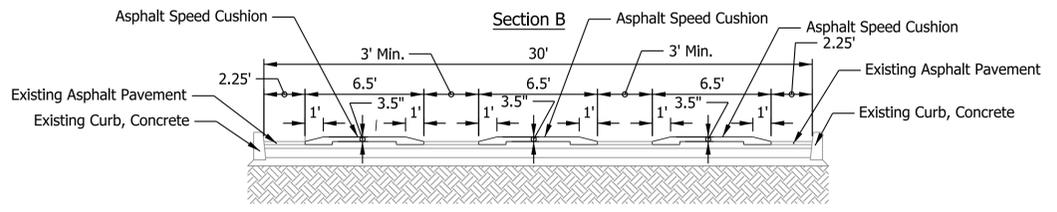
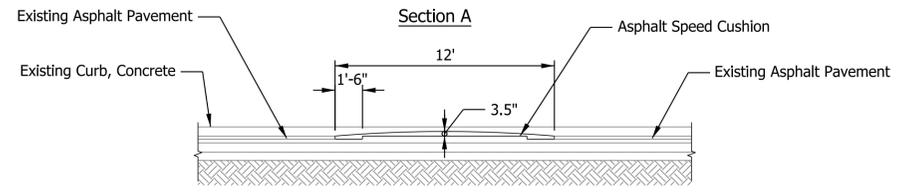


RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
DESIGNED: SAC	DRAWN: SAC	DATE
CHECKED: BEA	CHECKED: BEA	

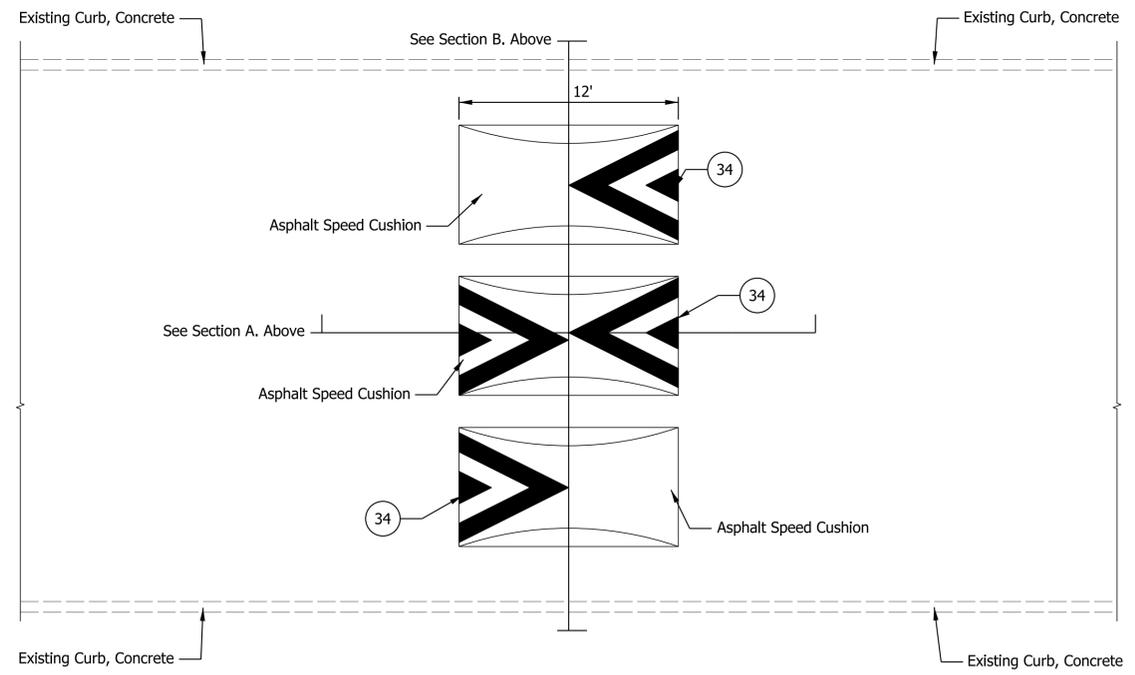
CITY OF BLOOMINGTON	
SPEED CUSHION DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
CONTRACT	4 of 33
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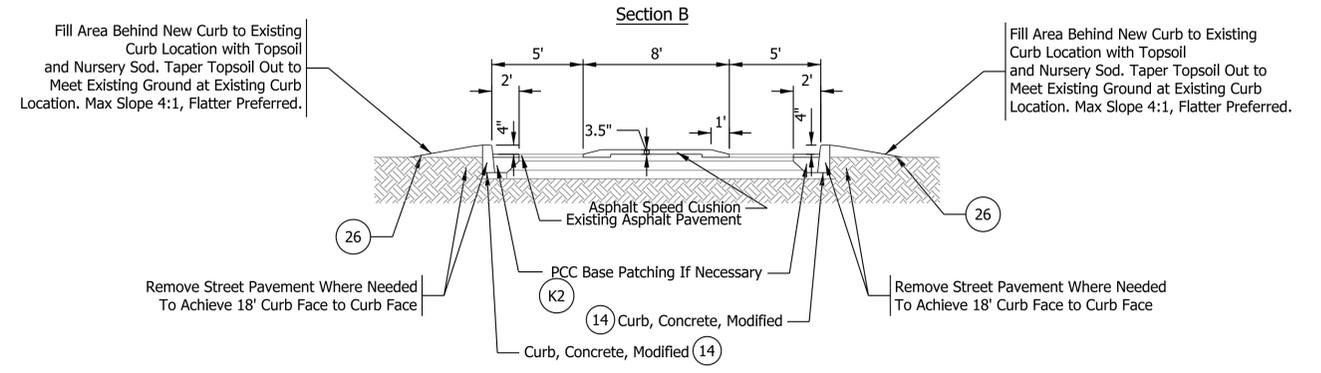
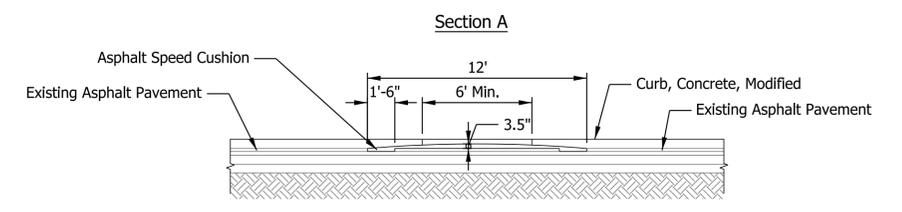
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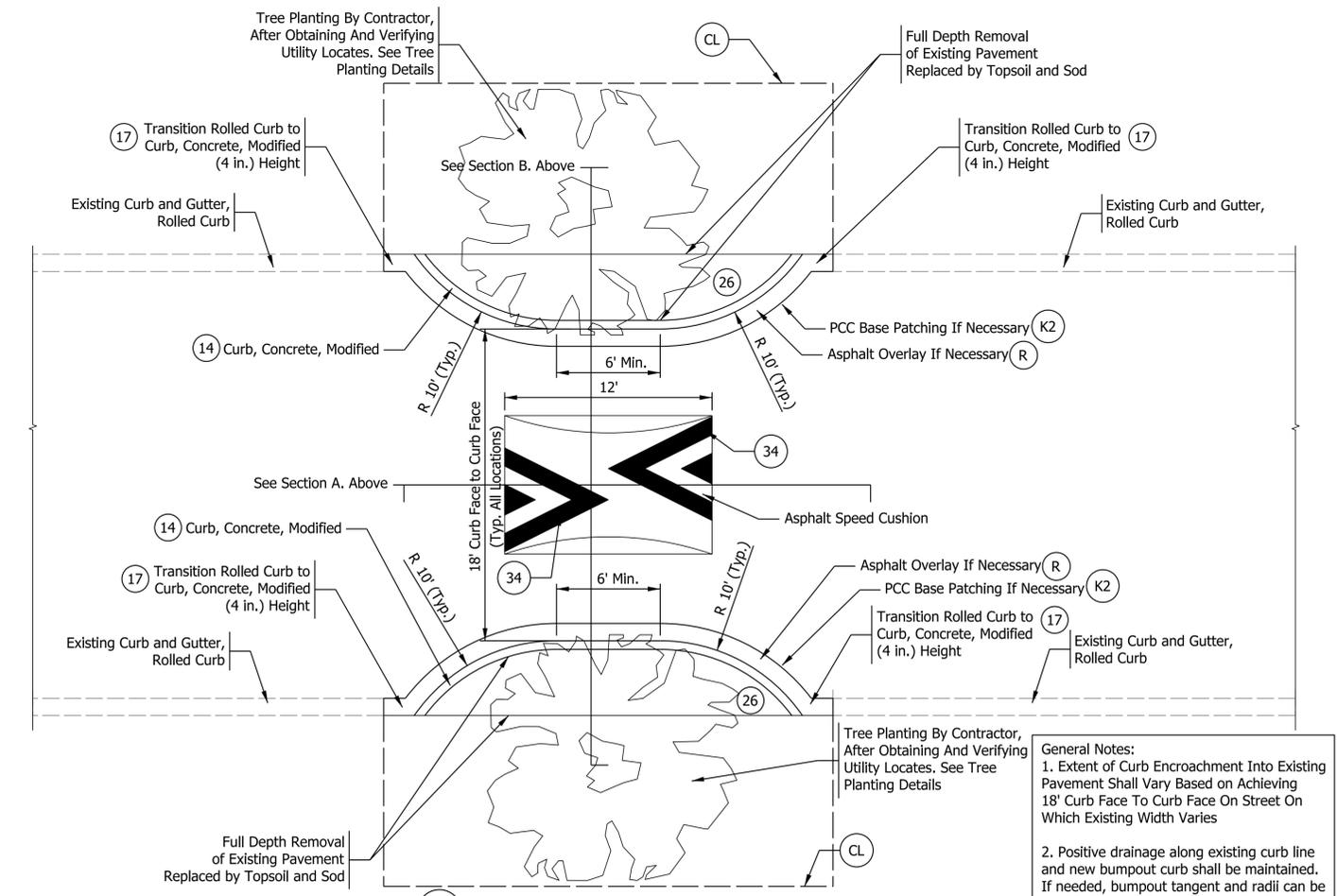
SC3 Asphalt Speed Cushion For Fully Curbed Roadway - Section



SC3 Asphalt Speed Cushion For Fully Curbed Roadway - Plan



SC4 Asphalt Speed Cushion For Curbed Roadway - Section



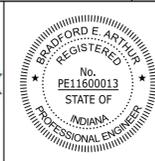
SC4 Asphalt Speed Cushion For Curbed Roadway - Plan

General Notes:
 1. Extent of Curb Encroachment Into Existing Pavement Shall Vary Based on Achieving 18' Curb Face To Curb Face On Street On Which Existing Width Varies
 2. Positive drainage along existing curb line and new bumpout curb shall be maintained. If needed, bumpout tangent and radii can be modified at the direction of the Engineer, in order to maintain positive drainage.

Plot: 11/17/2023 12:52 PM

LEGEND

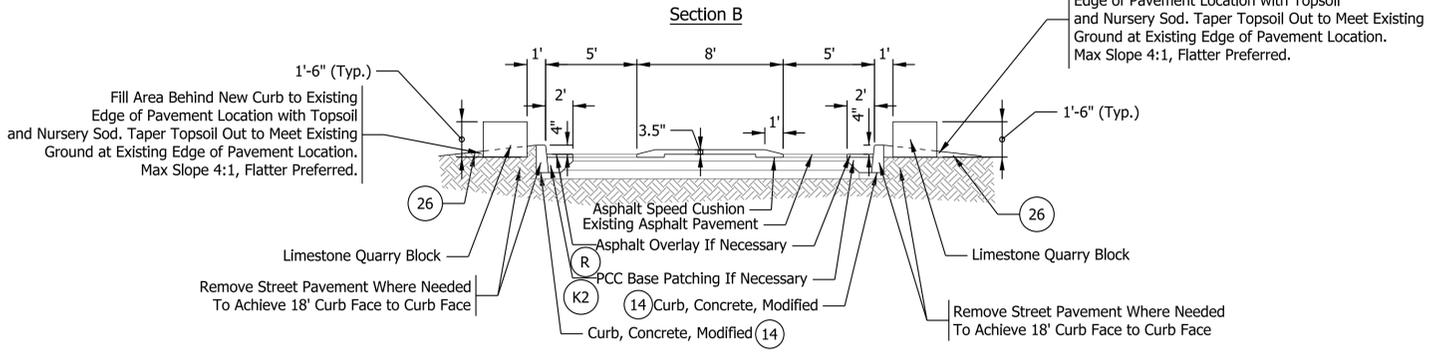
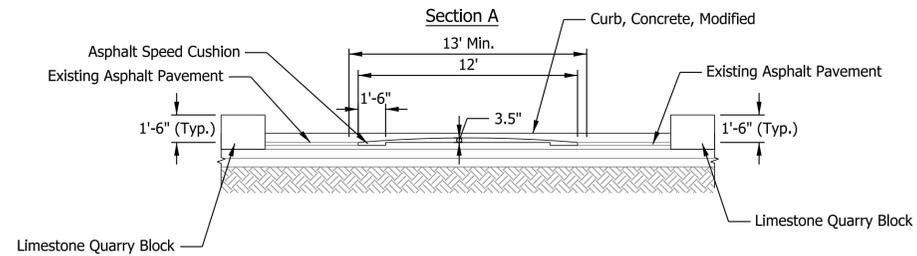
(14) Curb, Concrete, Modified	(CL) Construction Limits	(W) HMA Wedge and Level, Type B: 275 lb/syd HMA Surface, Type B
(17) Curb and Gutter, Concrete, Modified	(K2) PCC Base Patching, 12 IN.	(34) Speed Cushion Markings
(26) Sodding, Nursery on Topsoil	(R) Asphalt Overlay, If Necessary 165 lb/syd QC/QA-HMA, 2, 64, Surface, 9.5 mm	



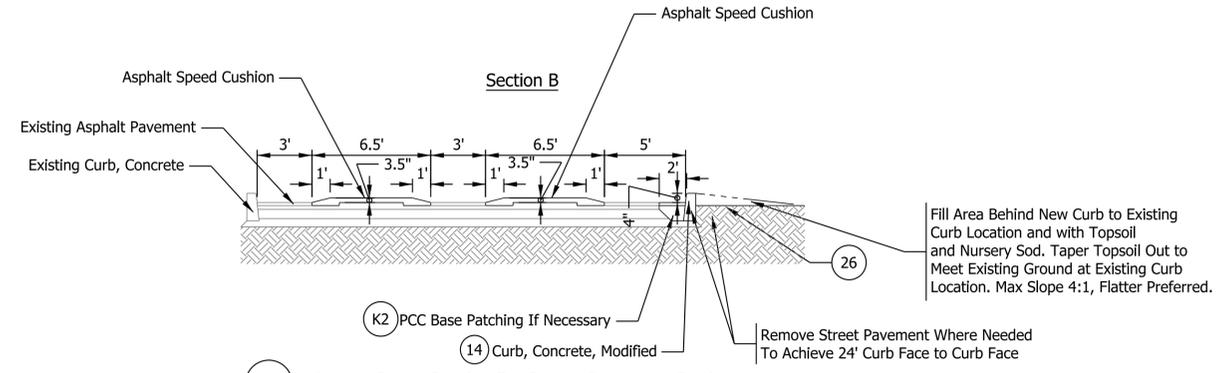
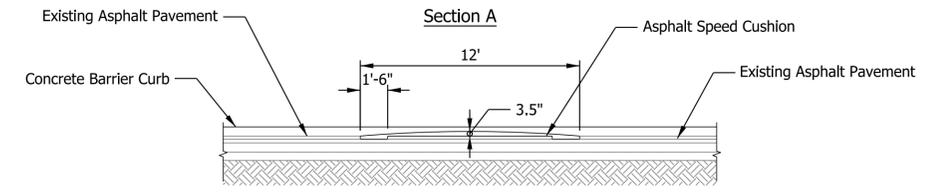
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
DESIGNED: SAC	DRAWN: SAC	DATE
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON	
SPEED CUSHION DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
CONTRACT	5 of 33
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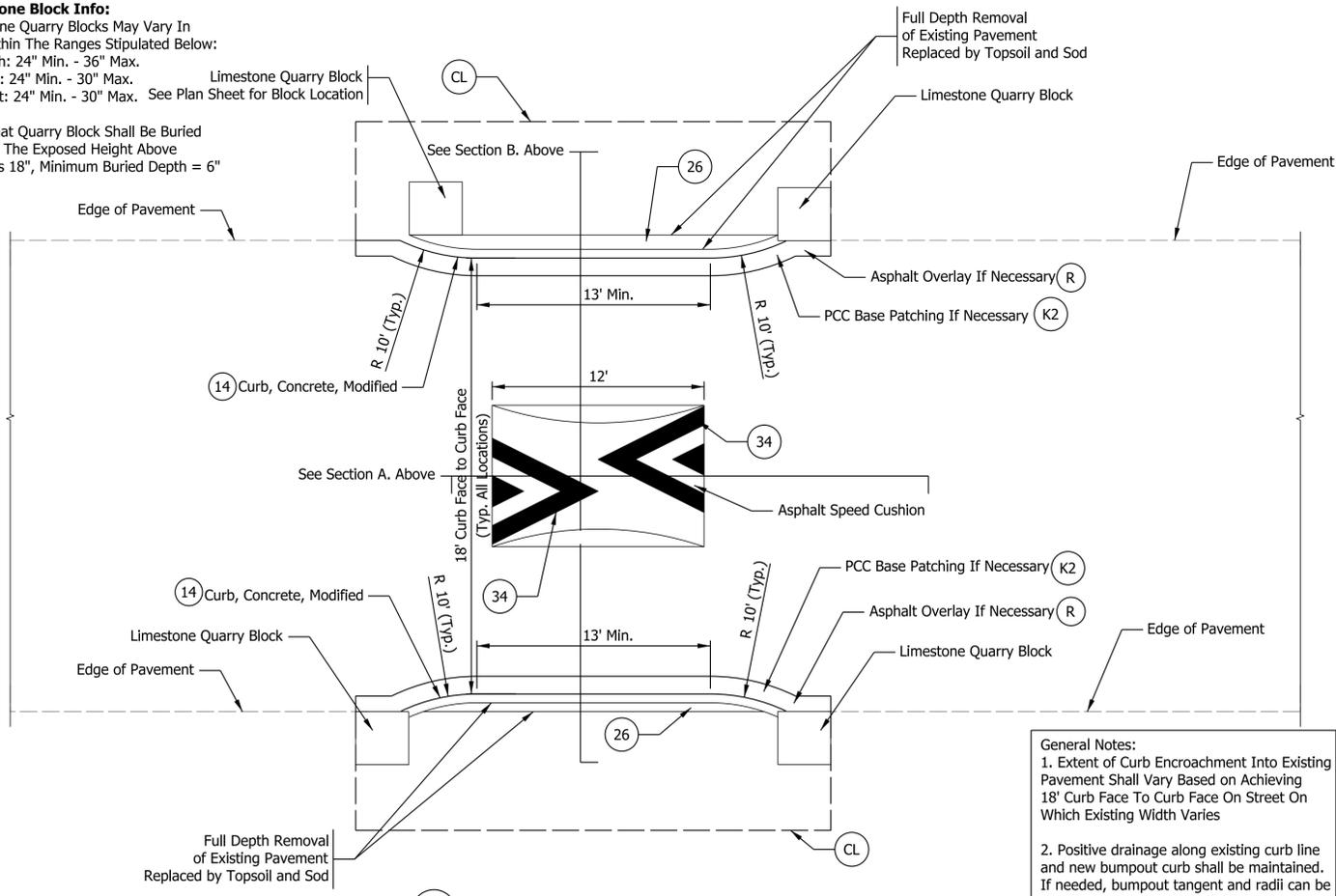
SC5 Asphalt Speed Cushion For Curbless Roadway - Section



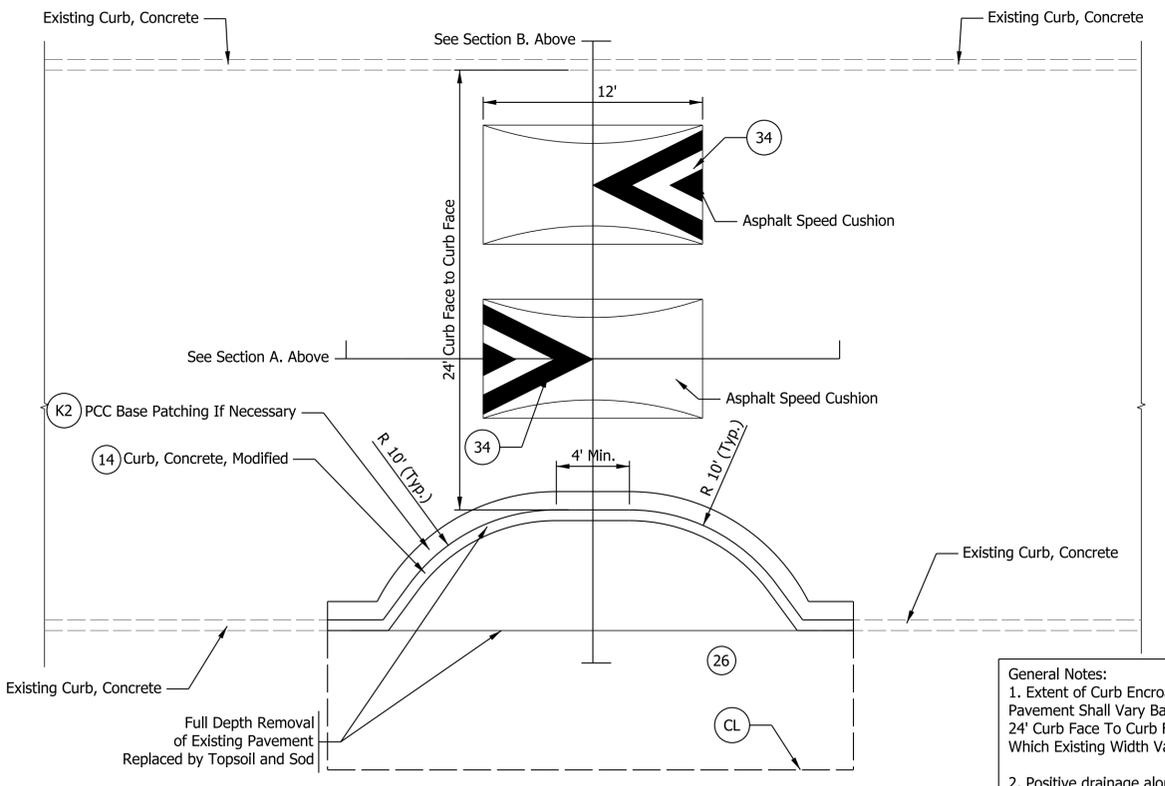
SC6 Asphalt Speed Cushion For Curbed Roadway - Section

Limestone Block Info:
Limestone Quarry Blocks May Vary In Size Within The Ranges Stipulated Below:
1.Length: 24" Min. - 36" Max.
2.Width: 24" Min. - 30" Max.
3.Height: 24" Min. - 30" Max. See Plan Sheet for Block Location

Note That Quarry Block Shall Be Buried So That The Exposed Height Above Grade Is 18", Minimum Buried Depth = 6"



SC5 Asphalt Speed Cushion For Curbless Roadway - Plan



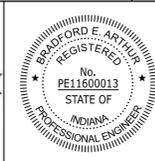
SC6 Asphalt Speed Cushion For Curbed Roadway - Plan

General Notes:
1. Extent of Curb Encroachment Into Existing Pavement Shall Vary Based on Achieving 18' Curb Face To Curb Face On Street On Which Existing Width Varies
2. Positive drainage along existing curb line and new bumpout curb shall be maintained. If needed, bumpout tangent and radii can be modified at the direction of the Engineer, in order to maintain positive drainage.

General Notes:
1. Extent of Curb Encroachment Into Existing Pavement Shall Vary Based on Achieving 24' Curb Face To Curb Face On Street On Which Existing Width Varies
2. Positive drainage along existing curb line and new bumpout curb shall be maintained. If needed, bumpout tangent and radii can be modified at the direction of the Engineer, in order to maintain positive drainage.

LEGEND

14	Curb, Concrete, Modified	CL	Construction Limits	W	HMA Wedge and Level, Type B: 275 lb/syd HMA Surface, Type B
17	Curb and Gutter, Concrete, Modified	K2	PCC Base Patching, 12 IN.	34	Speed Cushion Markings
26	Sodding, Nursery on Topsoil	R	Asphalt Overlay, If Necessary 165 lb/syd QC/QA-HMA, 2, 64, Surface, 9.5 mm		

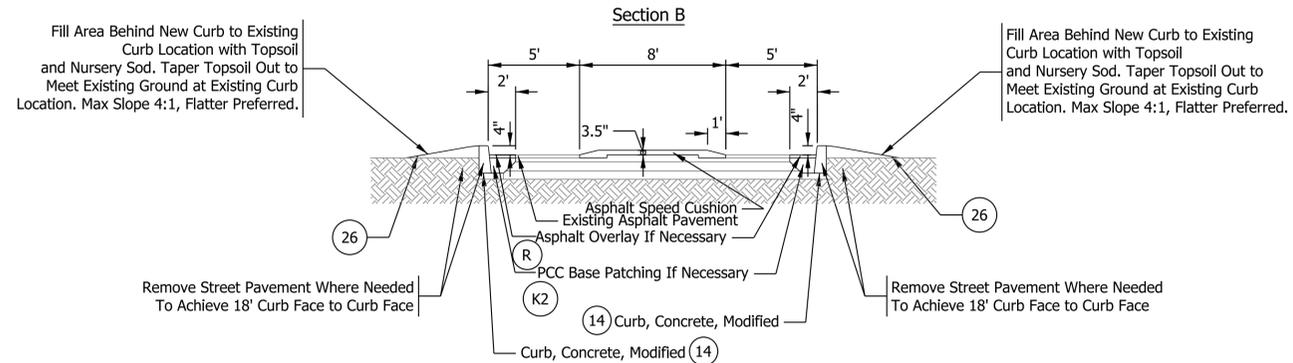
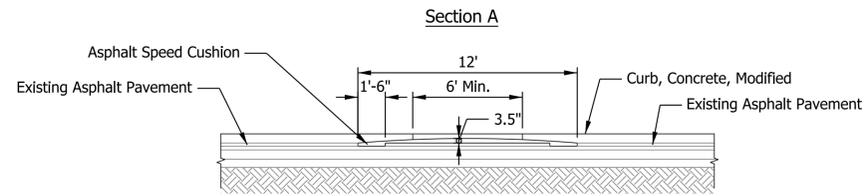


RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
DESIGNED:	SAC	DRAWN:
CHECKED:	BEA	CHECKED:

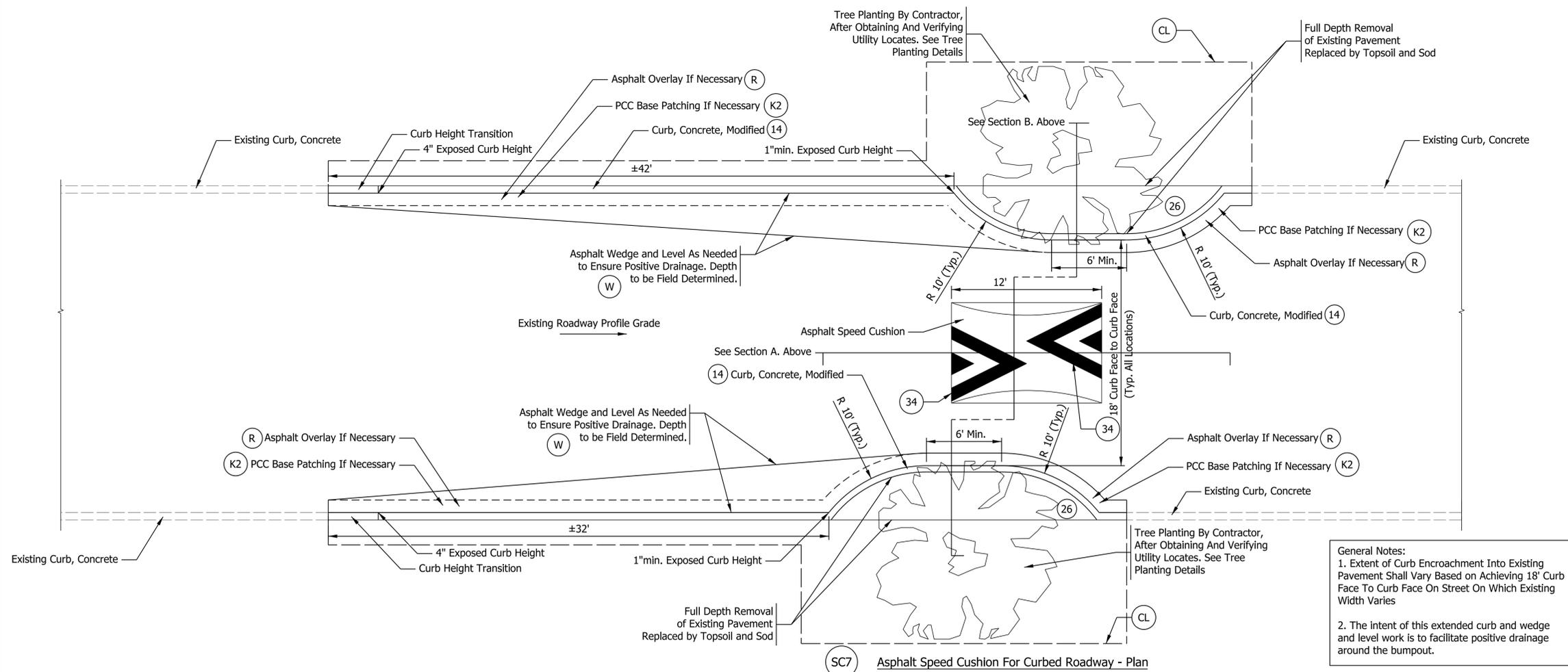
CITY OF BLOOMINGTON	
SPEED CUSHION DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	6 of 33
CONTRACT	PROJECT

Plot: 11/17/2023 12:53 PM IP_PWP:d0448721\Sht Speed Cushion Details.dgn



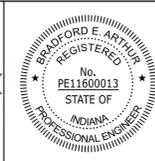
SC7 Asphalt Speed Cushion For Curbed Roadway - Section



General Notes:
 1. Extent of Curb Encroachment Into Existing Pavement Shall Vary Based on Achieving 18' Curb Face To Curb Face On Street On Which Existing Width Varies
 2. The intent of this extended curb and wedge and level work is to facilitate positive drainage around the bumpout.

Plot: 11/17/2023 12:53 PM

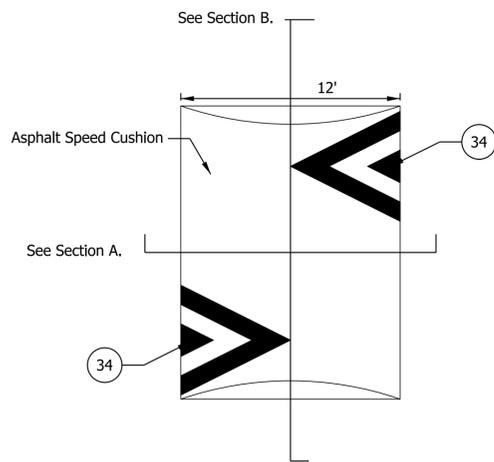
LEGEND			
(14)	Curb, Concrete, Modified	(W)	HMA Wedge and Level, Type B: 275 lb/syd HMA Surface, Type B
(17)	Curb and Gutter, Concrete, Modified	(K2)	PCC Base Patching, 12 IN.
(26)	Sodding, Nursery on Topsoil	(R)	Asphalt Overlay, If Necessary 165 lb/syd QC/QA-HMA, 2, 64, Surface, 9.5 mm
(CL)	Construction Limits	(34)	Speed Cushion Markings



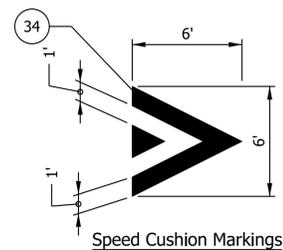
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023	
DESIGNED:	SAC	DRAWN:	SAC
CHECKED:	BEA	CHECKED:	BEA

CITY OF BLOOMINGTON	
SPEED CUSHION DETAILS	

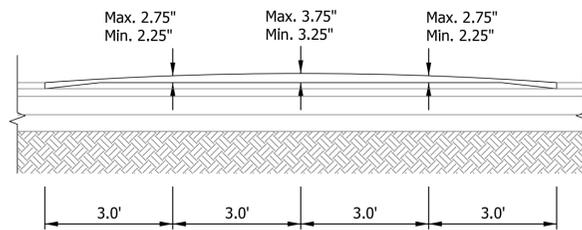
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	7 of 33
CONTRACT	PROJECT



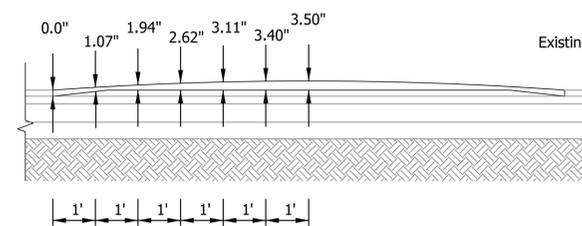
Speed Cushion Plan View



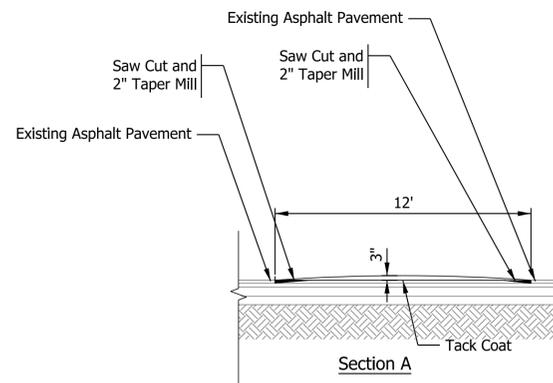
Speed Cushion Markings



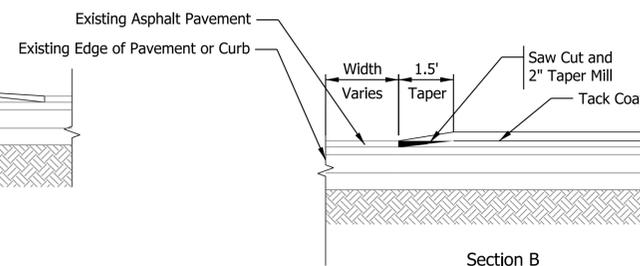
Allowed Height Tolerance Section A
(Not to Scale)



Height Details Section A
(Not to Scale)

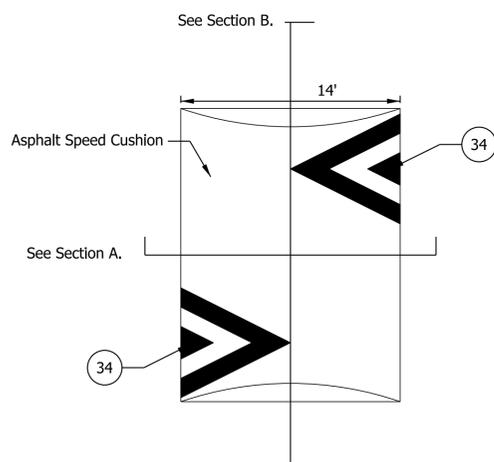


Section A

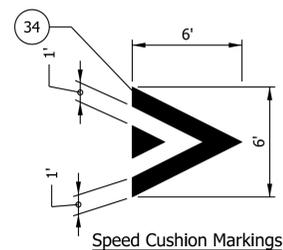


Section B

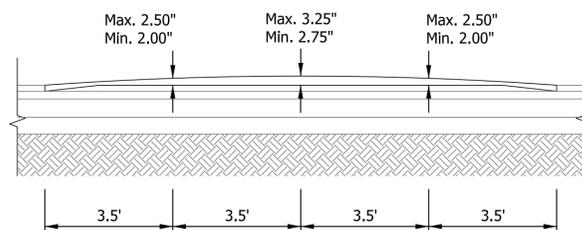
12' Speed Cushion Details



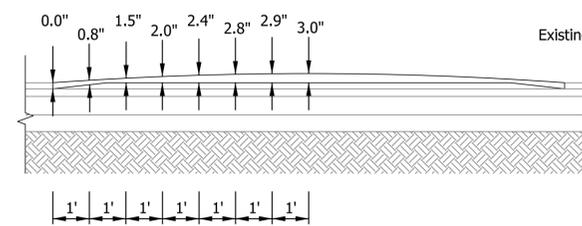
Speed Cushion Plan View



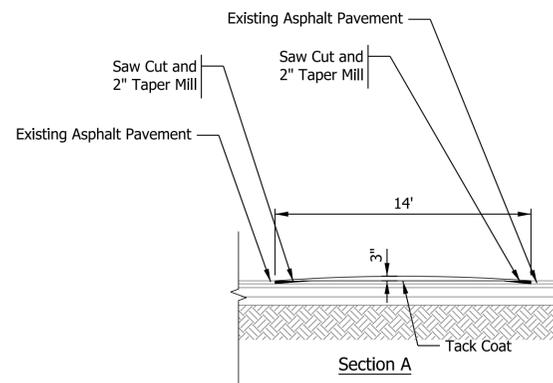
Speed Cushion Markings



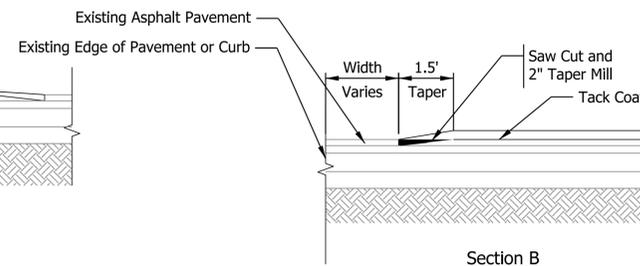
Allowed Height Tolerance Section A
(Not to Scale)



Height Details Section A
(Not to Scale)



Section A



Section B

14' Speed Cushion Details

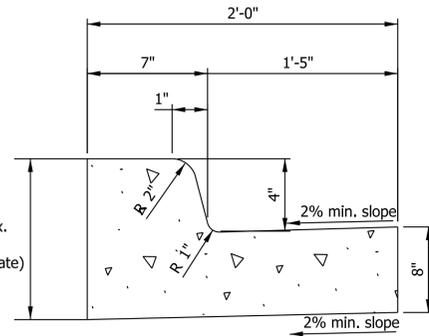
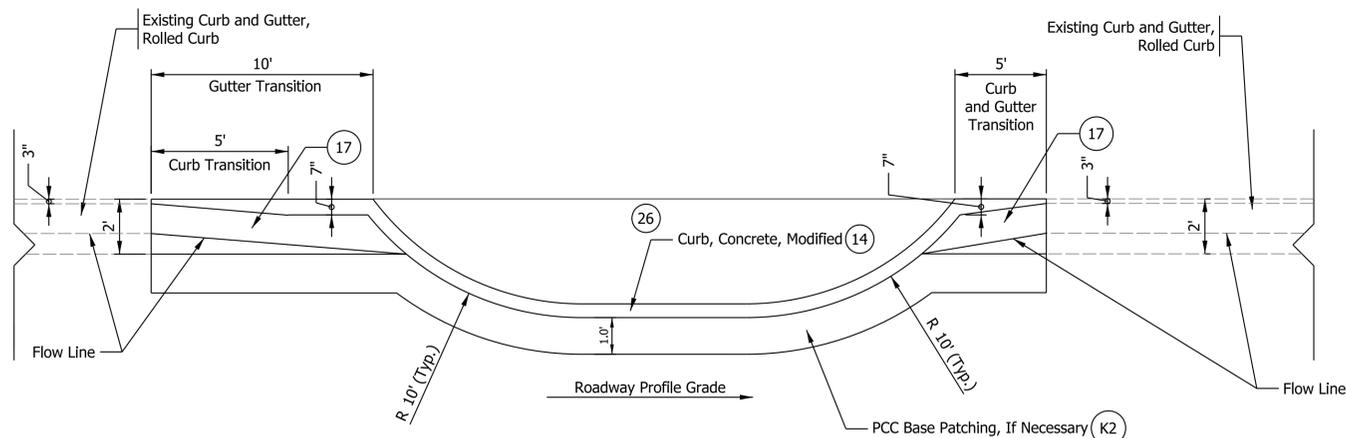
LEGEND
34 Speed Cushion Markings



RECOMMENDED FOR APPROVAL: *[Signature]* 11/17/2023
DESIGN ENGINEER DATE
DESIGNED: SAC DRAWN: SAC
CHECKED: BEA CHECKED: BEA

CITY OF BLOOMINGTON
SPEED CUSHION DETAILS

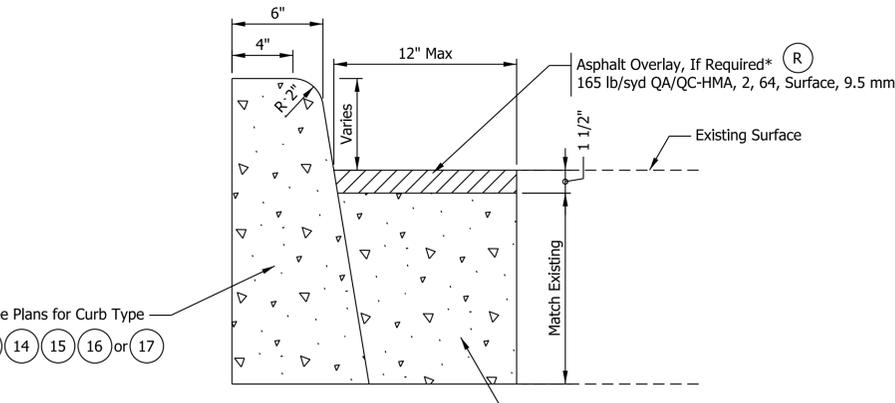
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	8 of 33
CONTRACT	PROJECT



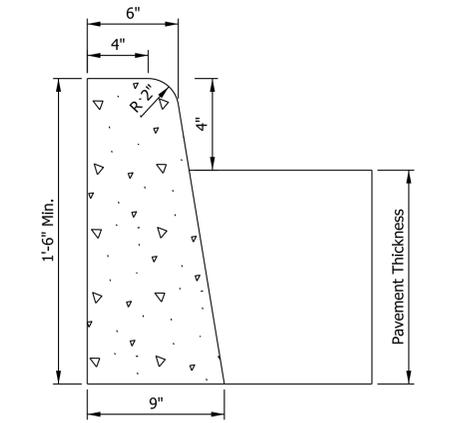
17 Rolled Curb to Curb, Concrete, Modified Transition Detail
(NOT TO SCALE)

Use transition detail in areas where rolled curb will need to transition to concrete barrier curb. Curb flow line elevations on the upstream end will need to be transitioned in the field to maintain existing positive drainage.

17 Curb, and Gutter, Concrete, Modified Detail
(NOT TO SCALE)

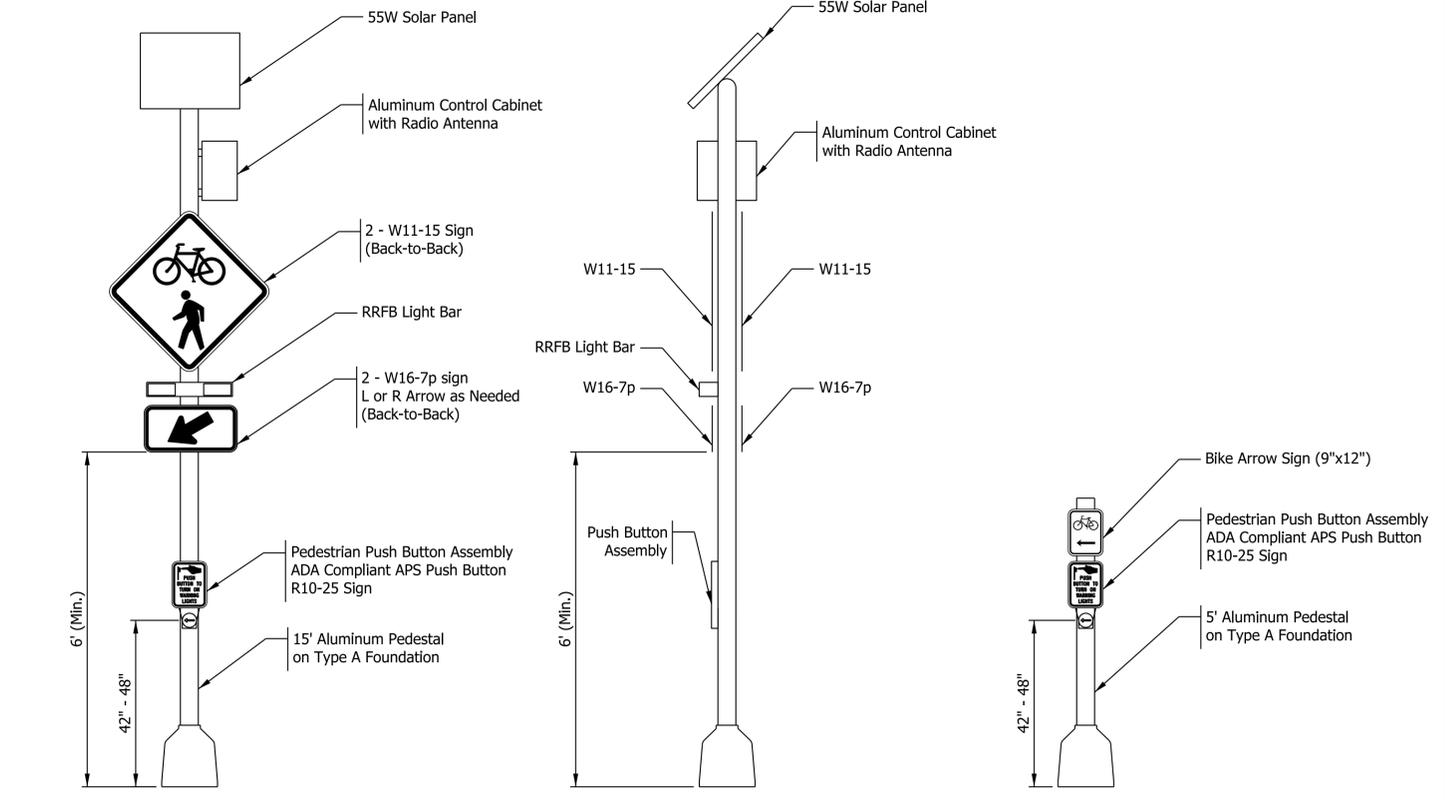


13 Concrete Curb & Pavement Patch Detail
(NOT TO SCALE)



14 Curb, Concrete, Modified Detail
(NOT TO SCALE)

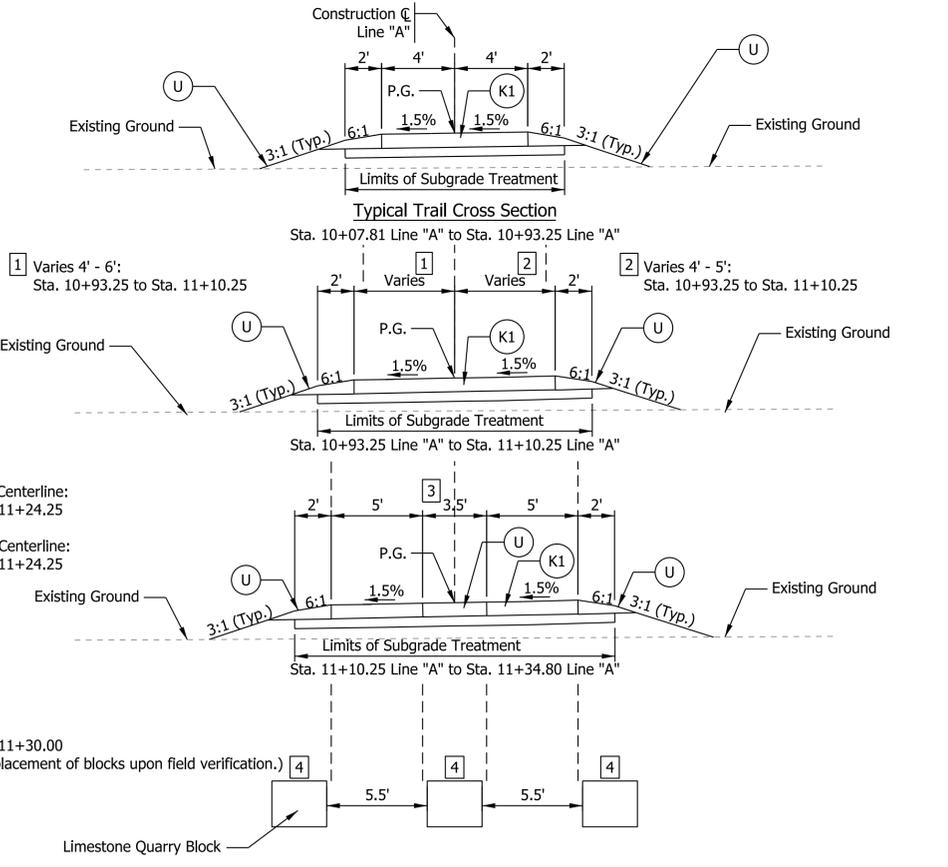
General Notes:
 1. At the direction of the Engineer, pavement patching may not be required if existing pavement can be sawcut and removed to a clean and straight edge at front of curb or gutter.
 2. * Asphalt Overlay required only along Hawthorne Dr., south of Atwater Ave. Asphalt Overlay not required on Weatherstone Dr. or on Hawthorne Dr. between Atwater Ave. and 3rd St. Those locations shall be left 1 1/2" below existing surface, to allow for Bloomington Public Works resurfacing project. Where Asphalt Overlay is not required, temporary asphalt patching material shall be installed at curb ramp locations to allow for pedestrian accessibility during construction, unless Engineer approves otherwise. No direct payment for temporary asphalt patching material.



Rectangular Rapid Flashing Beacon (RRFB) Detail

Bicycle Push Button Assembly Detail

SEED MIX REQUIREMENTS:
 Seed mixture shall be 50 lbs/acre of Perennial Ryegrass, 50 lbs/acre of certified Common Kentucky Bluegrass, and 50 lbs/acre of Merit Kentucky Bluegrass. Contractor shall seed at a rate of 150 lbs/acre. Equivalent seed mixtures may be approved, but shall not contain any prohibited plant species as listed in Bloomington Municipal Code 20.04.080. Contractor shall not use plastic landscape netting or mesh for any type of permanent landscaping or erosion control.



Limestone Block Info:
 Limestone Quarry Blocks May Vary In Size Within The Ranges Stipulated Below:
 1.Length: 24" Min. - 36" Max.
 2.Width: 24" Min. - 30" Max.
 3.Height: 24" Min. - 30" Max.
 Note That Quarry Block Shall Be Buried So That The Exposed Height Above Grade Is 18", Minimum Buried Depth = 6"

LEGEND	
14	Curb, Concrete, Modified
26	Sodding, Nursery on Topsoil
U	Seeding Mixture
K1	HMA for Sidewalk composed of: 140 lb/syd HMA Surface, Type B, on 220 lb/syd HMA Intermediate, Type B, on 6" Comp. Agg. No. 53 on Subgrade Treatment, Type III
K2	PCC Base Patching, 12 IN.
R	Asphalt Overlay, If Necessary 165 lb/syd QC/QA-HMA, 2, 64, Surface, 9.5 mm
34	Speed Cushion Markings

RECOMMENDED FOR APPROVAL: *[Signature]* DESIGN ENGINEER 11/17/2023 DATE

DESIGNED: SAC DRAWN: SAC

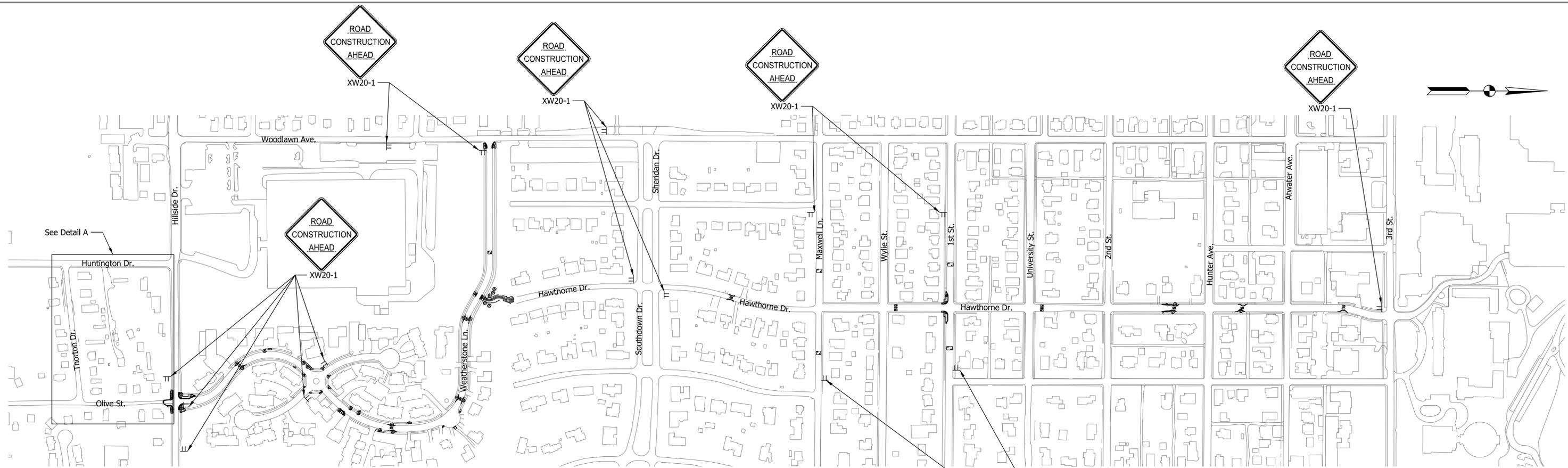
CHECKED: BEA CHECKED: BEA

CITY OF BLOOMINGTON

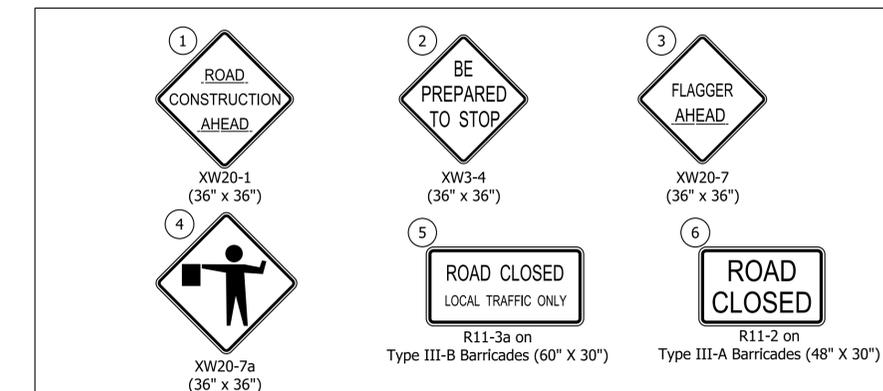
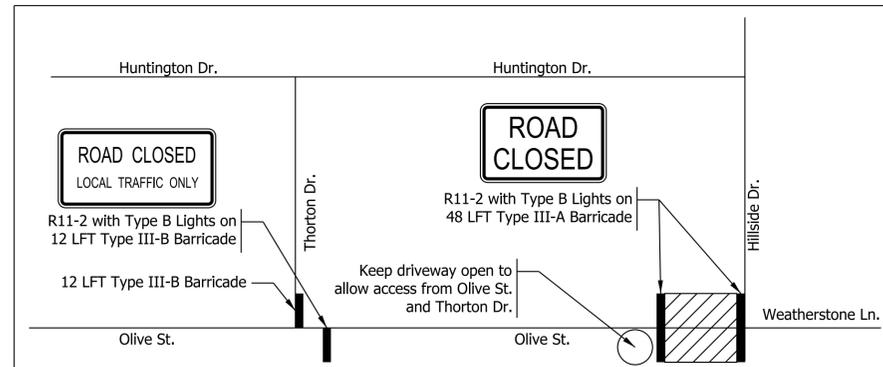
MISCELLANEOUS DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	9 of 33
CONTRACT	PROJECT

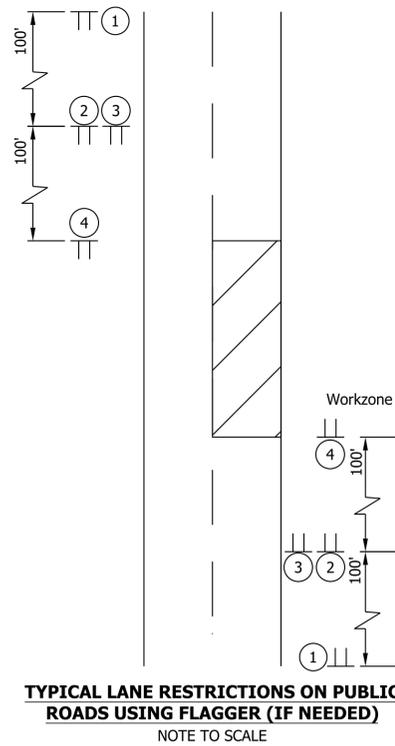
Plot: 11/20/2023 12:23 PM IP_PWP:d0448721\Sht Misc. Details.dgn



Detail A

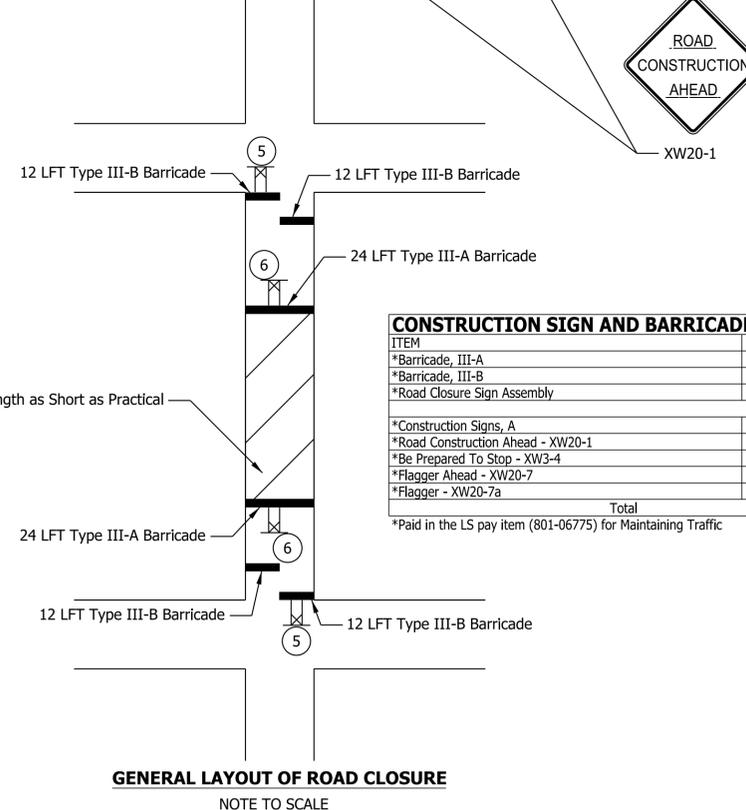


Note: Distances shall be adjusted to field conditions where space is limited.



TYPICAL LANE RESTRICTIONS ON PUBLIC ROADS USING FLAGGER (IF NEEDED)
NOTE TO SCALE

This detail may be used only during daytime hours. It shall not be used where patching operations are left unfinished overnight without attendants.



GENERAL LAYOUT OF ROAD CLOSURE
NOTE TO SCALE

CONSTRUCTION SIGN AND BARRICADE SUMMARY	UNIT	TOTAL
ITEM		ALL PROJECT
*Barricade, III-A	EACH	96
*Barricade, III-B	EACH	72
*Road Closure Sign Assembly	EACH	7
*Construction Signs, A		
*Road Construction Ahead - XW20-1	EACH	17
*Be Prepared To Stop - XW3-4	EACH	2
*Flagger Ahead - XW20-7	EACH	2
*Flagger - XW20-7a	EACH	2
Total		23

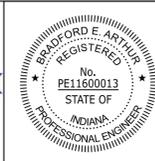
*Paid in the LS pay item (801-06775) for Maintaining Traffic

- GENERAL REQUIREMENTS:**
1. Flagger operations and temporary signage in accordance with Indiana Manual of Uniform Traffic Control Devices are required for all lane restrictions.
 2. All signs to be mounted on standards.
 3. All signs, barricades and drums to be mounted with a Type C (Steady Burn) warning light and maintained dusk to dawn.
 4. All MOT items shall be paid for under the Maintaining Traffic lump sum item.
- SPECIAL MAINTENANCE OF TRAFFIC CONDITIONS:**
1. Full road closures are only expected during asphalt paving in the street, including cushion installations, flagger operations shall be used for work at edge and off streets.
 2. Landlocked property owners shall be contacted a minimum one week in advance for temporary restriction of access to drives.
 3. Road restrictions shall be lifted nightly.

Plot: 11/20/2023 12:24 PM

LEGEND

	Construction Sign		Typical Sign Standard (Road Closure Assembly)
	Work Area		



RECOMMENDED FOR APPROVAL		11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON	
MAINTENANCE OF TRAFFIC DETAILS	

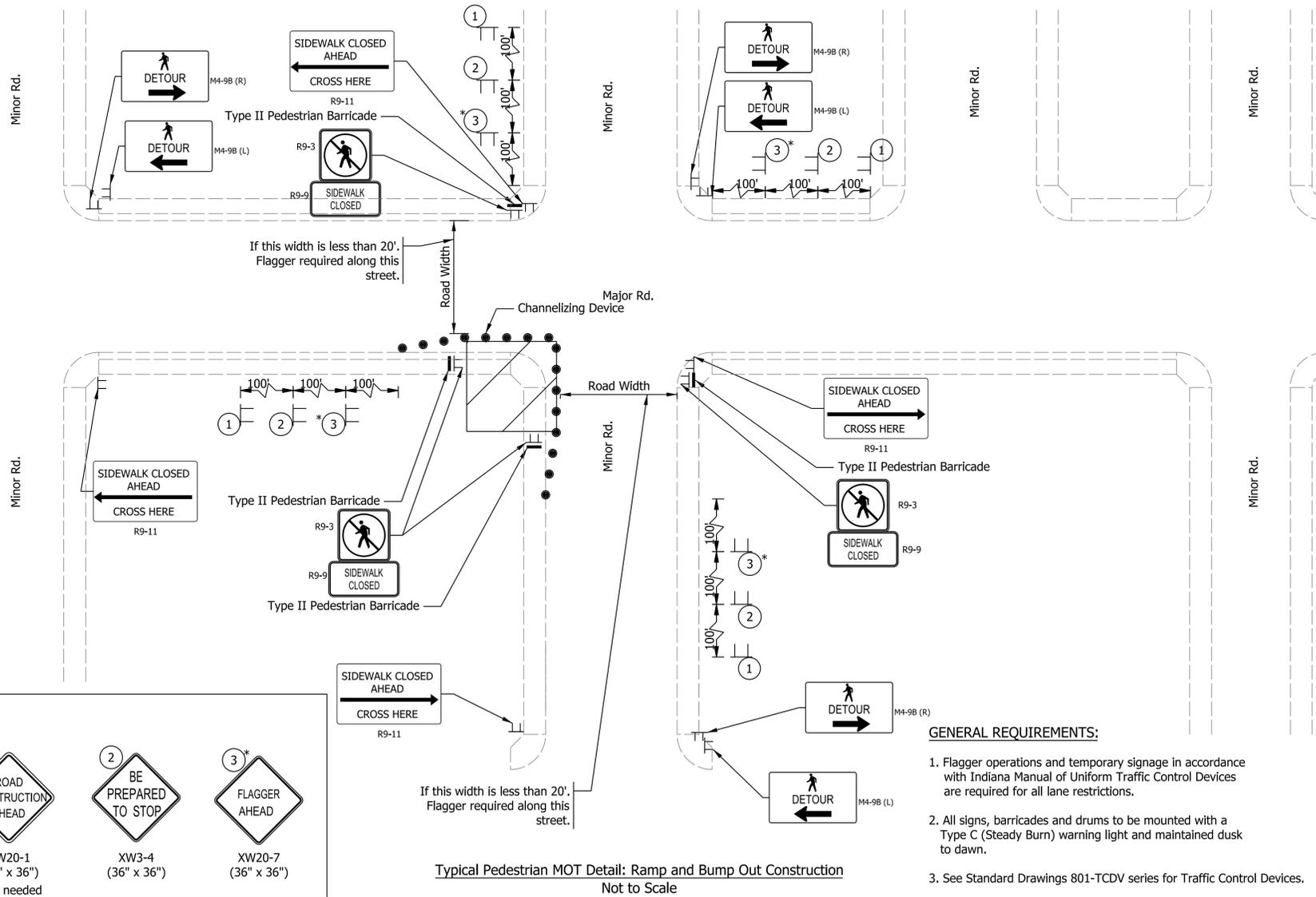
HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	10 of 33
CONTRACT	PROJECT

PEDESTRIAN CONSTRUCTION SIGN AND BARRICADE SUMMARY						TOTAL**
ITEM	UNIT	Location				
		Hillside Dr. and Weatherstone Ln.	Hawthorne Dr. and 1st St.			
		NE	NW	NE	NW	
*Type II Pedestrian Barricade	LFT	20	20	20	20	20
*Construction Signs, A						
*Road Construction Ahead - XW20-1	EACH	4	4	4	4	4
*Be Prepared To Stop - XW3-4	EACH	4	4	4	4	4
*Flagger Ahead - XW20-7	EACH	4	4	4	4	4
Total						12
*Construction Signs, B						
*Sidewalk Closed Ahead, Cross Here - R9-11	EACH	4	4	4	4	4
*Sidewalk Closed - R9-9	EACH	4	4	4	4	4
*No Pedestrians - R9-3	EACH	4	4	4	4	4
*Pedestrian Detour - M4-9b(L)	EACH	3	3	3	3	3
*Pedestrian Detour - M4-9b(R)	EACH	3	3	3	3	3
Total						18

* Paid in the LS pay item (801-06775) for Maintaining Traffic
 ** Assuming only one intersection under construction at any time.

PEDESTRIAN CONSTRUCTION SIGN AND BARRICADE SUMMARY					TOTAL**
ITEM	UNIT	Location			
		Roundabout	Sidewalk		
*Type II Pedestrian Barricade	LFT	15	10	25	
*Construction Signs, B					
*Sidewalk Closed - R9-9	EACH	3	2	5	
*No Pedestrians - R9-3	EACH	3	2	5	
Total				10	

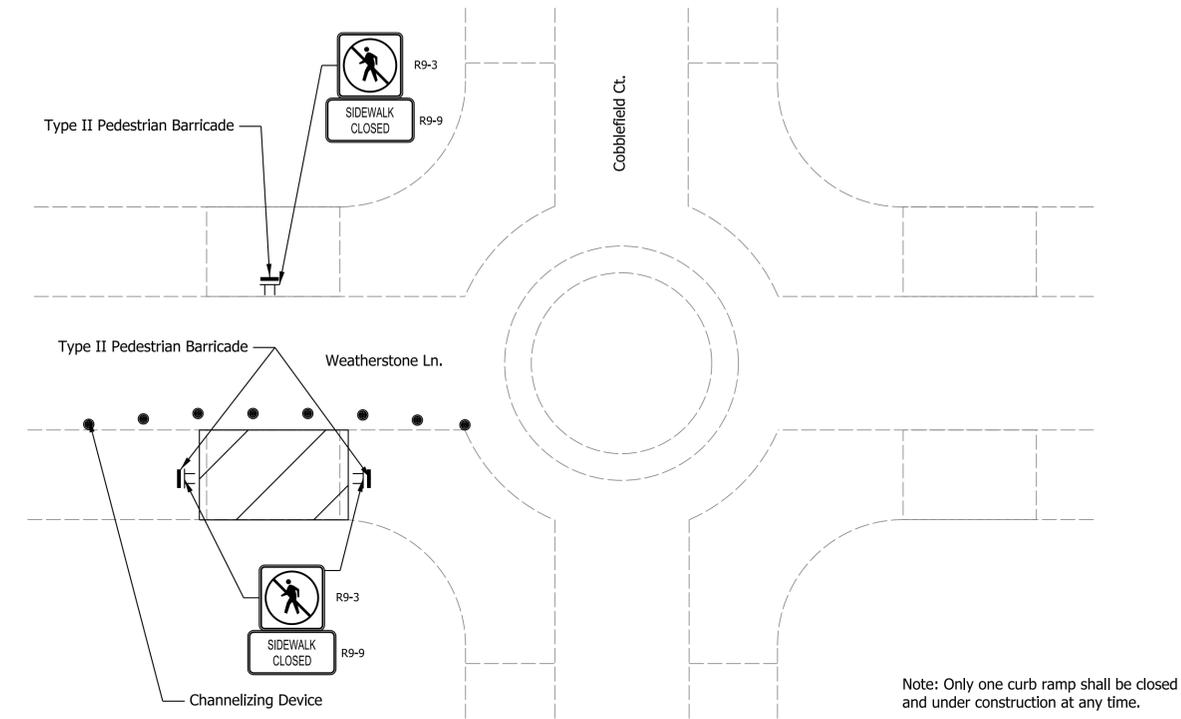
* Paid in the LS pay item (801-06775) for Maintaining Traffic
 ** Assuming only one curb ramp and one side of the street under construction at any time.



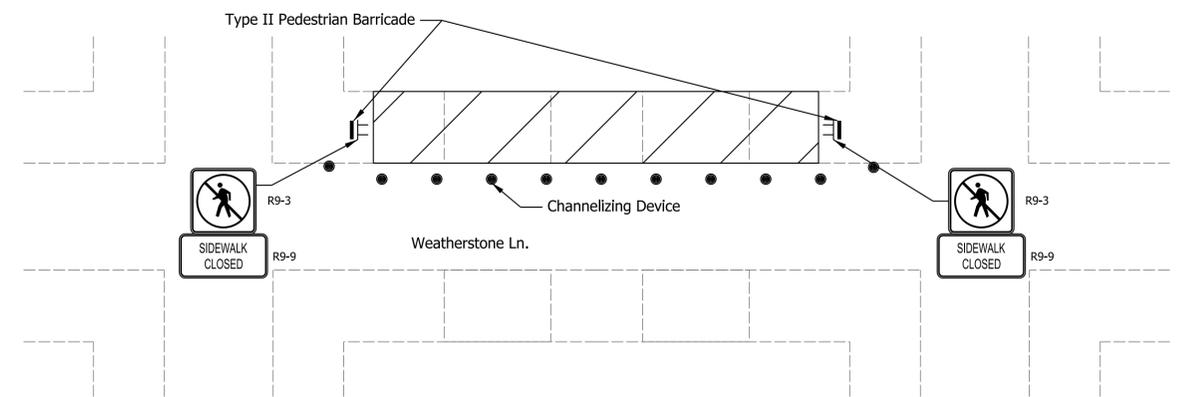
Typical Pedestrian MOT Detail: Ramp and Bump Out Construction
Not to Scale

GENERAL REQUIREMENTS:

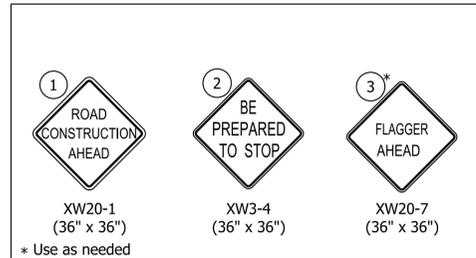
1. Flagger operations and temporary signage in accordance with Indiana Manual of Uniform Traffic Control Devices are required for all lane restrictions.
2. All signs, barricades and drums to be mounted with a Type C (Steady Burn) warning light and maintained dusk to dawn.
3. See Standard Drawings 801-TCDV series for Traffic Control Devices.
4. All MOT items shall be paid for under the Maintaining Traffic lump sum item.
5. Type II pedestrian barricades shall be detectable per MUTCD.



Typical Pedestrian MOT Detail: Roundabout
Not to Scale



Typical Pedestrian MOT Detail: Weatherstone Ln.
Not to Scale



Notes:
 1. Distances shall be adjusted field conditions where space is limited.
 2. Utilize grass buffers for sign placement where possible for sign placement.



Plot: 11/20/2023 12:24 PM

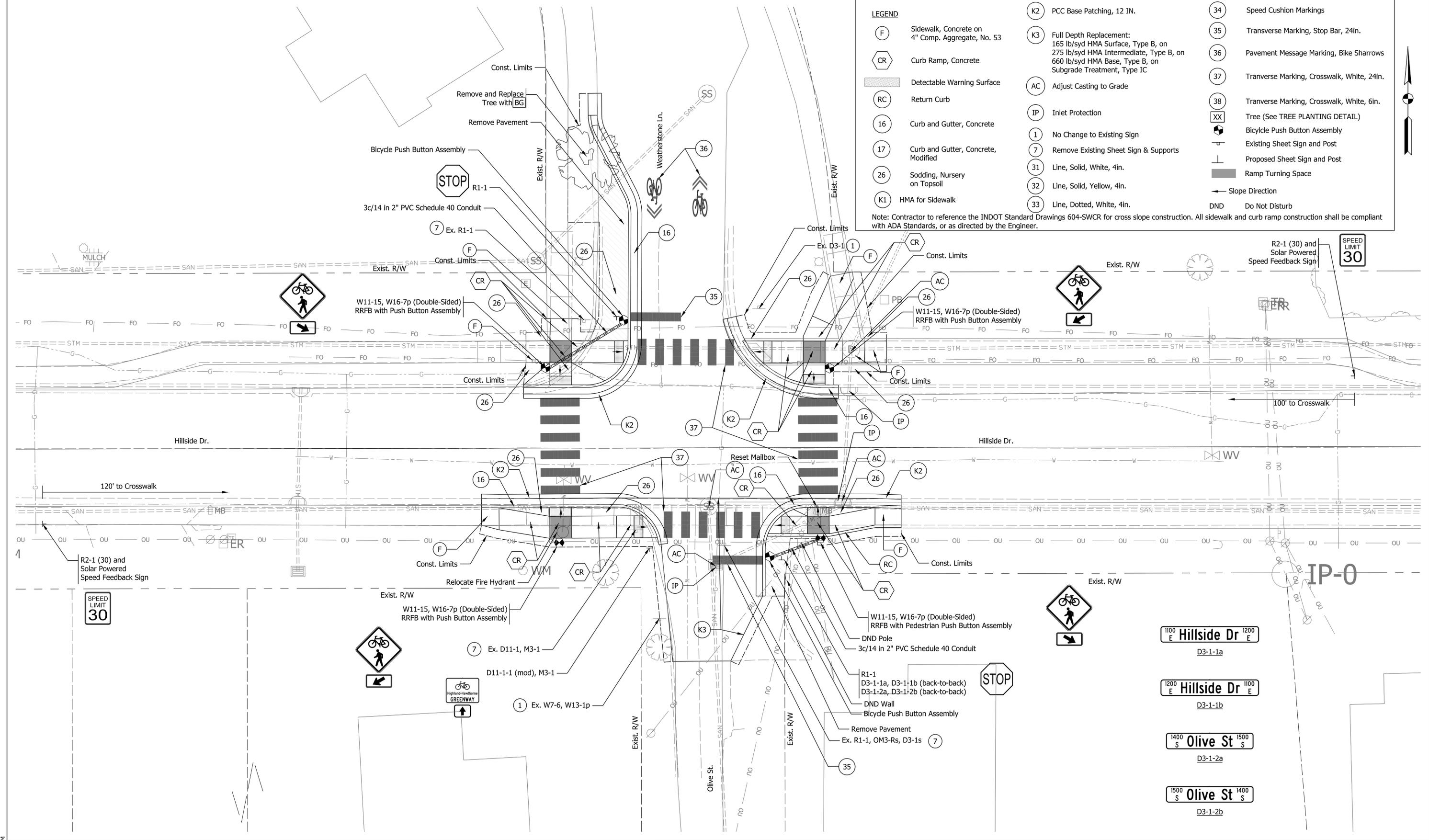
IP_PWP:d0448682\SHt MOT Typical Detail.dgn



RECOMMENDED FOR APPROVAL: *[Signature]* DESIGN ENGINEER 11/17/2023 DATE
 DESIGNED: SAC DRAWN: SAC
 CHECKED: BEA CHECKED: BEA

CITY OF BLOOMINGTON
 TYPICAL MAINTENANCE OF TRAFFIC DETAIL

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
CONTRACT	11 of 33
	PROJECT



LEGEND

(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K2)	PCC Base Patching, 12 IN.	(34)	Speed Cushion Markings
(CR)	Curb Ramp, Concrete	(K3)	Full Depth Replacement: 165 lb/syd HMA Surface, Type B, on 275 lb/syd HMA Intermediate, Type B, on 660 lb/syd HMA Base, Type B, on Subgrade Treatment, Type IC	(35)	Transverse Marking, Stop Bar, 24in.
(DWS)	Detectable Warning Surface	(AC)	Adjust Casting to Grade	(36)	Pavement Message Marking, Bike Sharrows
(RC)	Return Curb	(IP)	Inlet Protection	(37)	Transverse Marking, Crosswalk, White, 24in.
(16)	Curb and Gutter, Concrete	(1)	No Change to Existing Sign	(38)	Transverse Marking, Crosswalk, White, 6in.
(17)	Curb and Gutter, Concrete, Modified	(7)	Remove Existing Sheet Sign & Supports	(XX)	Tree (See TREE PLANTING DETAIL)
(26)	Sodding, Nursery on Topsoil	(31)	Line, Solid, White, 4in.	(PB)	Bicycle Push Button Assembly
(K1)	HMA for Sidewalk	(32)	Line, Solid, Yellow, 4in.	(S)	Existing Sheet Sign and Post
		(33)	Line, Dotted, White, 4in.	(P)	Proposed Sheet Sign and Post
				(R)	Ramp Turning Space
				(SD)	Slope Direction
				(DND)	Do Not Disturb

Note: Contractor to reference the INDOT Standard Drawings 604-SWCR for cross slope construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.

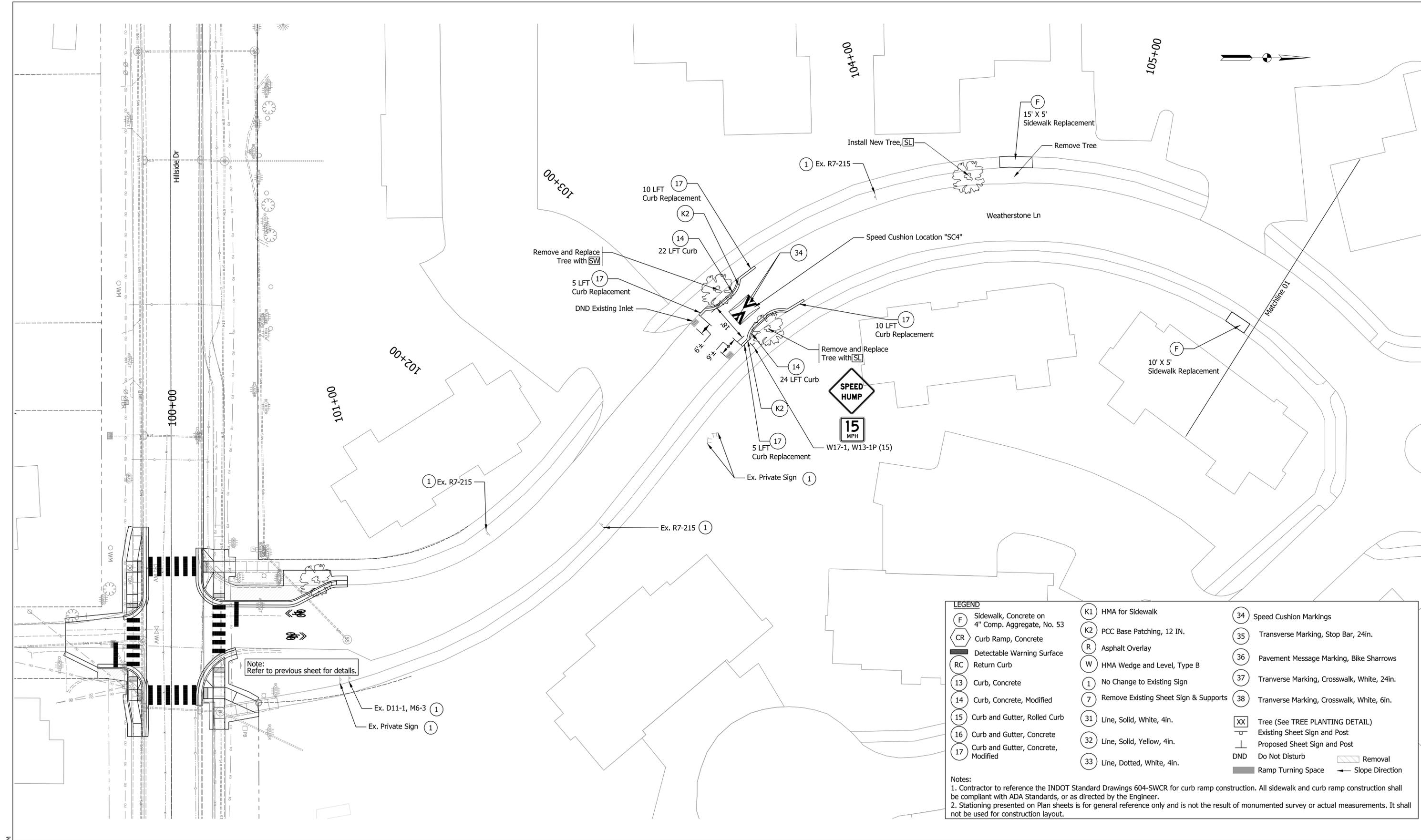
Plot: 11/20/2023 12:24 PM



RECOMMENDED FOR APPROVAL	<i>Bradford E. Artur</i>	11/17/2023	
DESIGNED:	SAC	DRAWN:	SAC
CHECKED:	BEA	CHECKED:	BEA

CITY OF BLOOMINGTON
**BLOOMINGTON GREENWAYS
 HILLSIDE DR.**

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
CONTRACT	12 of 33
	PROJECT



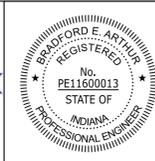
Note:
Refer to previous sheet for details.

LEGEND			
(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1)	HMA for Sidewalk
(CR)	Curb Ramp, Concrete	(K2)	PCC Base Patching, 12 IN.
(DWS)	Detectable Warning Surface	(R)	Asphalt Overlay
(RC)	Return Curb	(W)	HMA Wedge and Level, Type B
(13)	Curb, Concrete	(1)	No Change to Existing Sign
(14)	Curb, Concrete, Modified	(7)	Remove Existing Sheet Sign & Supports
(15)	Curb and Gutter, Rolled Curb	(31)	Line, Solid, White, 4in.
(16)	Curb and Gutter, Concrete	(32)	Line, Solid, Yellow, 4in.
(17)	Curb and Gutter, Concrete, Modified	(33)	Line, Dotted, White, 4in.
(34)	Speed Cushion Markings	(35)	Transverse Marking, Stop Bar, 24in.
(36)	Pavement Message Marking, Bike Sharrows	(37)	Transverse Marking, Crosswalk, White, 24in.
(38)	Transverse Marking, Crosswalk, White, 6in.	(XX)	Tree (See TREE PLANTING DETAIL)
(S)	Existing Sheet Sign and Post	(P)	Proposed Sheet Sign and Post
(DND)	Do Not Disturb	(Ramp)	Ramp Turning Space
(Slope)	Slope Direction		

Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

Plot: 11/20/2023 12:25 PM

IP_PWP:d0448721\Sht Plan 01.dgn



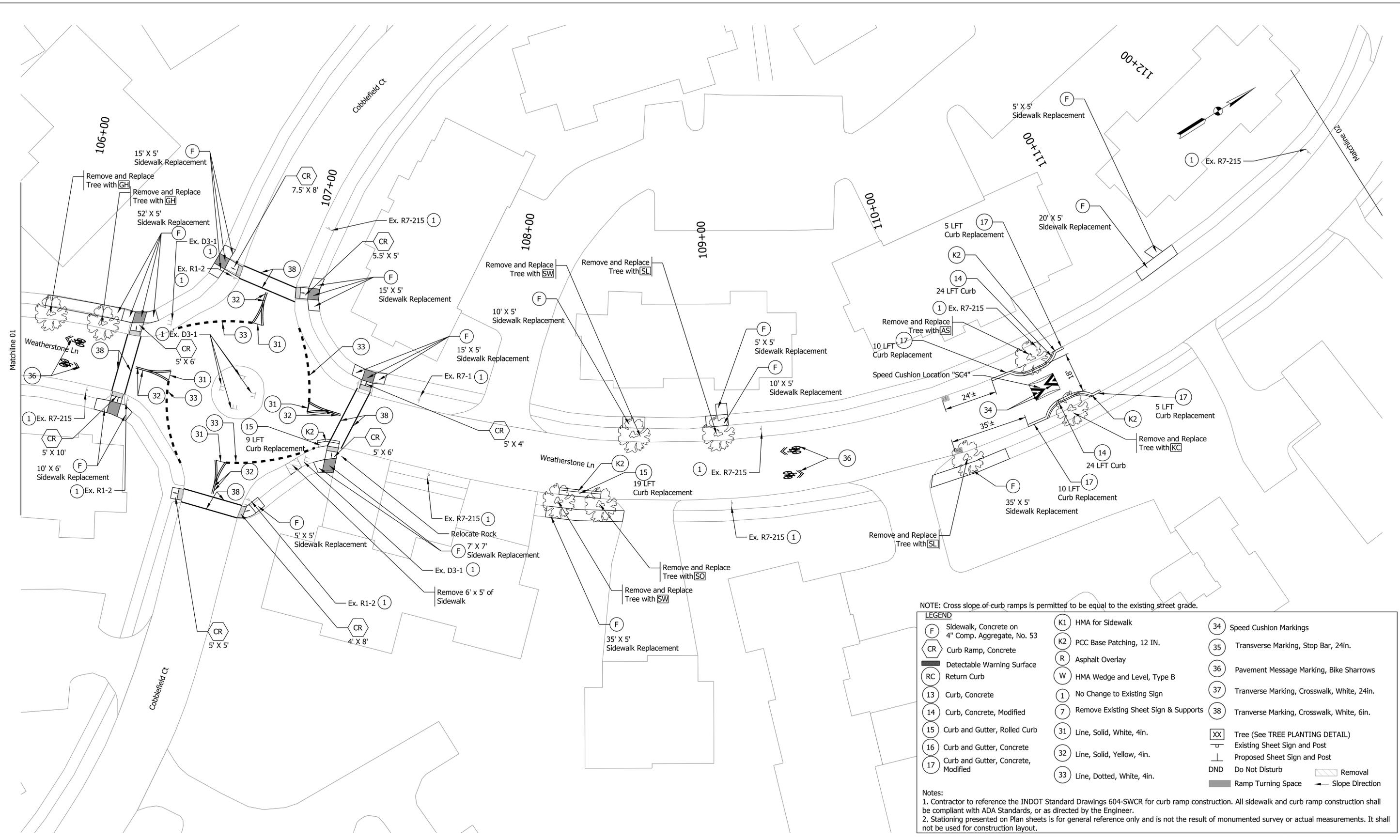
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
DESIGNED: SAC	DRAWN: SAC	DATE
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON
 BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	13 of 33
CONTRACT	PROJECT

Plot: 11/20/2023 12:25 PM

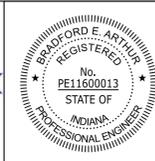
IP_PWP:d0448721\Sht Plan 02.dgn



NOTE: Cross slope of curb ramps is permitted to be equal to the existing street grade.

LEGEND			
(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1)	HMA for Sidewalk
(CR)	Curb Ramp, Concrete	(K2)	PCC Base Patching, 12 IN.
(RC)	Return Curb	(R)	Asphalt Overlay
(13)	Curb, Concrete	(W)	HMA Wedge and Level, Type B
(14)	Curb, Concrete, Modified	(1)	No Change to Existing Sign
(15)	Curb and Gutter, Rolled Curb	(7)	Remove Existing Sheet Sign & Supports
(16)	Curb and Gutter, Concrete	(31)	Line, Solid, White, 4in.
(17)	Curb and Gutter, Concrete, Modified	(32)	Line, Solid, Yellow, 4in.
(34)	Speed Cushion Markings	(33)	Line, Dotted, White, 4in.
(35)	Transverse Marking, Stop Bar, 24in.	(XX)	Tree (See TREE PLANTING DETAIL)
(36)	Pavement Message Marking, Bike Sharrows	(Existing Sign)	Existing Sheet Sign and Post
(37)	Transverse Marking, Crosswalk, White, 24in.	(Proposed Sign)	Proposed Sheet Sign and Post
(38)	Transverse Marking, Crosswalk, White, 6in.	(DND)	Do Not Disturb
		(Ramp Space)	Ramp Turning Space
		(Slope Arrow)	Slope Direction

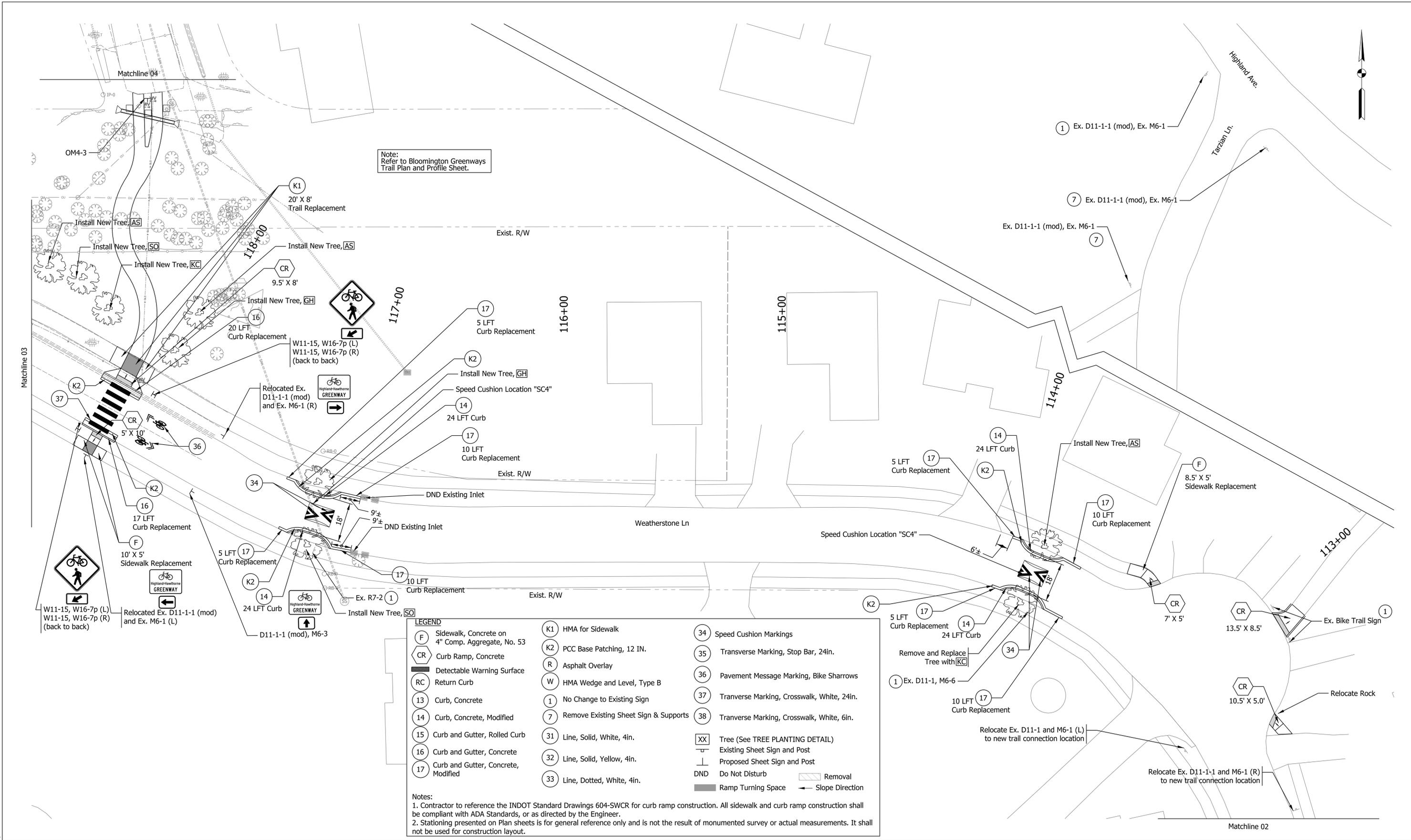
Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON
 BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	14 of 33
CONTRACT	PROJECT



Note:
Refer to Bloomington Greenways
Trail Plan and Profile Sheet.

LEGEND					
(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1)	HMA for Sidewalk	(34)	Speed Cushion Markings
(CR)	Curb Ramp, Concrete	(K2)	PCC Base Patching, 12 IN.	(35)	Transverse Marking, Stop Bar, 24in.
(RC)	Return Curb	(R)	Asphalt Overlay	(36)	Pavement Message Marking, Bike Sharrows
(13)	Curb, Concrete	(W)	HMA Wedge and Level, Type B	(37)	Transverse Marking, Crosswalk, White, 24in.
(14)	Curb, Concrete, Modified	(1)	No Change to Existing Sign	(38)	Transverse Marking, Crosswalk, White, 6in.
(15)	Curb and Gutter, Rolled Curb	(7)	Remove Existing Sheet Sign & Supports	(XX)	Tree (See TREE PLANTING DETAIL)
(16)	Curb and Gutter, Concrete	(31)	Line, Solid, White, 4in.	(-)	Existing Sheet Sign and Post
(17)	Curb and Gutter, Concrete, Modified	(32)	Line, Solid, Yellow, 4in.	(+)	Proposed Sheet Sign and Post
		(33)	Line, Dotted, White, 4in.	(DND)	Do Not Disturb
				(Ramp)	Ramp Turning Space
				(Removal)	Removal
				(Slope)	Slope Direction

Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

Plot: 11/20/2023 12:25 PM

IP_PWP:d0448721\Sht Plan 03.dgn

RECOMMENDED FOR APPROVAL

[Signature]

DESIGN ENGINEER

11/17/2023

DATE

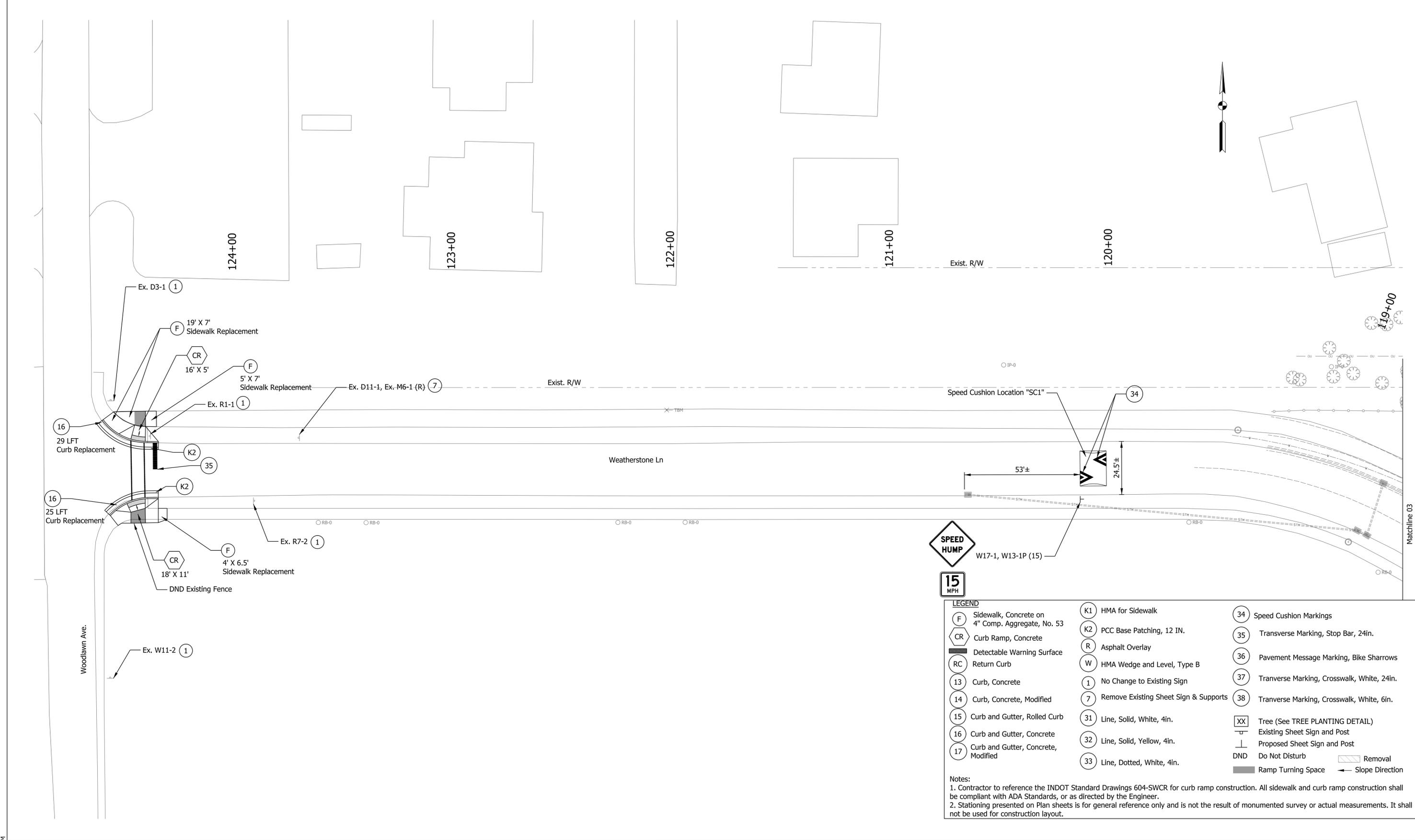
DESIGNED: SAC

CHECKED: BEA

DRAWN: SAC

CHECKED: BEA

CITY OF BLOOMINGTON		HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
BLOOMINGTON GREENWAYS PLAN		VERTICAL SCALE N/A	DESIGNATION
SURVEY BOOK	SHEETS		
CONTRACT	15 of 33		
		PROJECT	

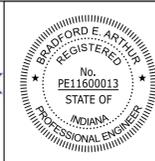


LEGEND			
(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1)	HMA for Sidewalk
(CR)	Curb Ramp, Concrete	(K2)	PCC Base Patching, 12 IN.
(RC)	Return Curb	(R)	Asphalt Overlay
(13)	Curb, Concrete	(W)	HMA Wedge and Level, Type B
(14)	Curb, Concrete, Modified	(1)	No Change to Existing Sign
(15)	Curb and Gutter, Rolled Curb	(7)	Remove Existing Sheet Sign & Supports
(16)	Curb and Gutter, Concrete	(31)	Line, Solid, White, 4in.
(17)	Curb and Gutter, Concrete, Modified	(32)	Line, Solid, Yellow, 4in.
		(33)	Line, Dotted, White, 4in.
		(34)	Speed Cushion Markings
		(35)	Transverse Marking, Stop Bar, 24in.
		(36)	Pavement Message Marking, Bike Sharrows
		(37)	Transverse Marking, Crosswalk, White, 24in.
		(38)	Transverse Marking, Crosswalk, White, 6in.
		(XX)	Tree (See TREE PLANTING DETAIL)
		Existing Sheet Sign and Post	
		Proposed Sheet Sign and Post	
		DND	Do Not Disturb
		Removal	Removal
		Ramp Turning Space	Ramp Turning Space
		Slope Direction	Slope Direction

Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

Plot: 11/20/2023 12:25 PM

IP_PWP:d0448721\Sht Plan 04.dgn



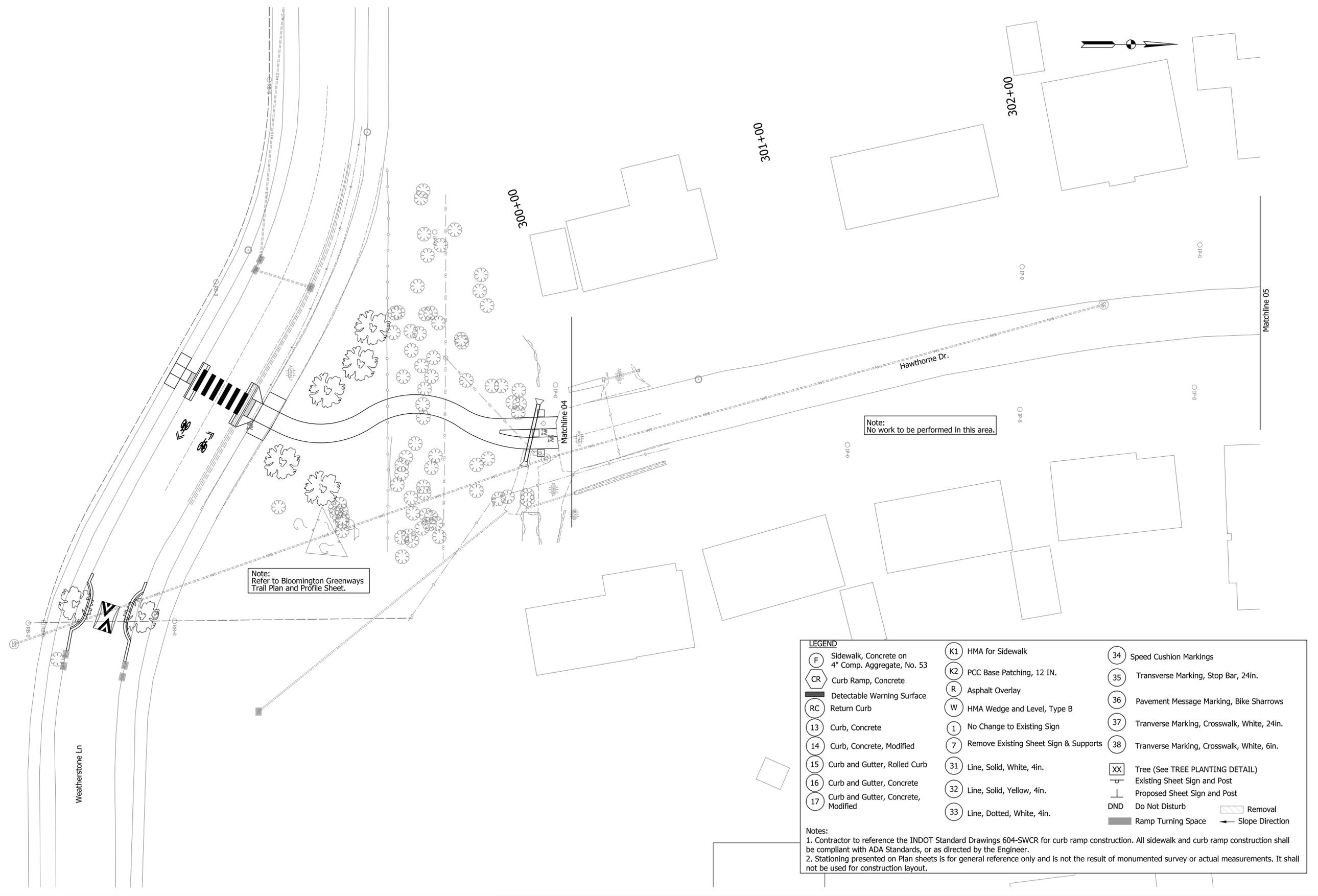
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	DESIGN ENGINEER	11/17/2023	DATE
DESIGNED: SAC		DRAWN: SAC		
CHECKED: BEA		CHECKED: BEA		

CITY OF BLOOMINGTON	
BLOOMINGTON GREENWAYS PLAN	

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	16 of 33
CONTRACT	PROJECT

Plot: 11/20/2023 12:26 PM

IP_PWP:d0448721\Sht Plan 05.dgn



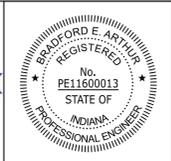
Note:
Refer to Bloomington Greenways
Trail Plan and Profile Sheet.

Note:
No work to be performed in this area.

LEGEND

(F) Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1) HMA for Sidewalk	(34) Speed Cushion Markings
(CR) Curb Ramp, Concrete	(K2) PCC Base Patching, 12 IN.	(35) Transverse Marking, Stop Bar, 24in.
▬ Detectable Warning Surface	(R) Asphalt Overlay	(36) Pavement Message Marking, Bike Sharrows
(RC) Return Curb	(W) HMA Wedge and Level, Type B	(37) Transverse Marking, Crosswalk, White, 24in.
(13) Curb, Concrete	(1) No Change to Existing Sign	(38) Transverse Marking, Crosswalk, White, 6in.
(14) Curb, Concrete, Modified	(7) Remove Existing Sheet Sign & Supports	(XX) Tree (See TREE PLANTING DETAIL)
(15) Curb and Gutter, Rolled Curb	(31) Line, Solid, White, 4in.	Existing Sheet Sign and Post
(16) Curb and Gutter, Concrete	(32) Line, Solid, Yellow, 4in.	Proposed Sheet Sign and Post
(17) Curb and Gutter, Concrete, Modified	(33) Line, Dotted, White, 4in.	DND Do Not Disturb
		▬ Removal
		▬ Ramp Turning Space
		← Slope Direction

Notes:
1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

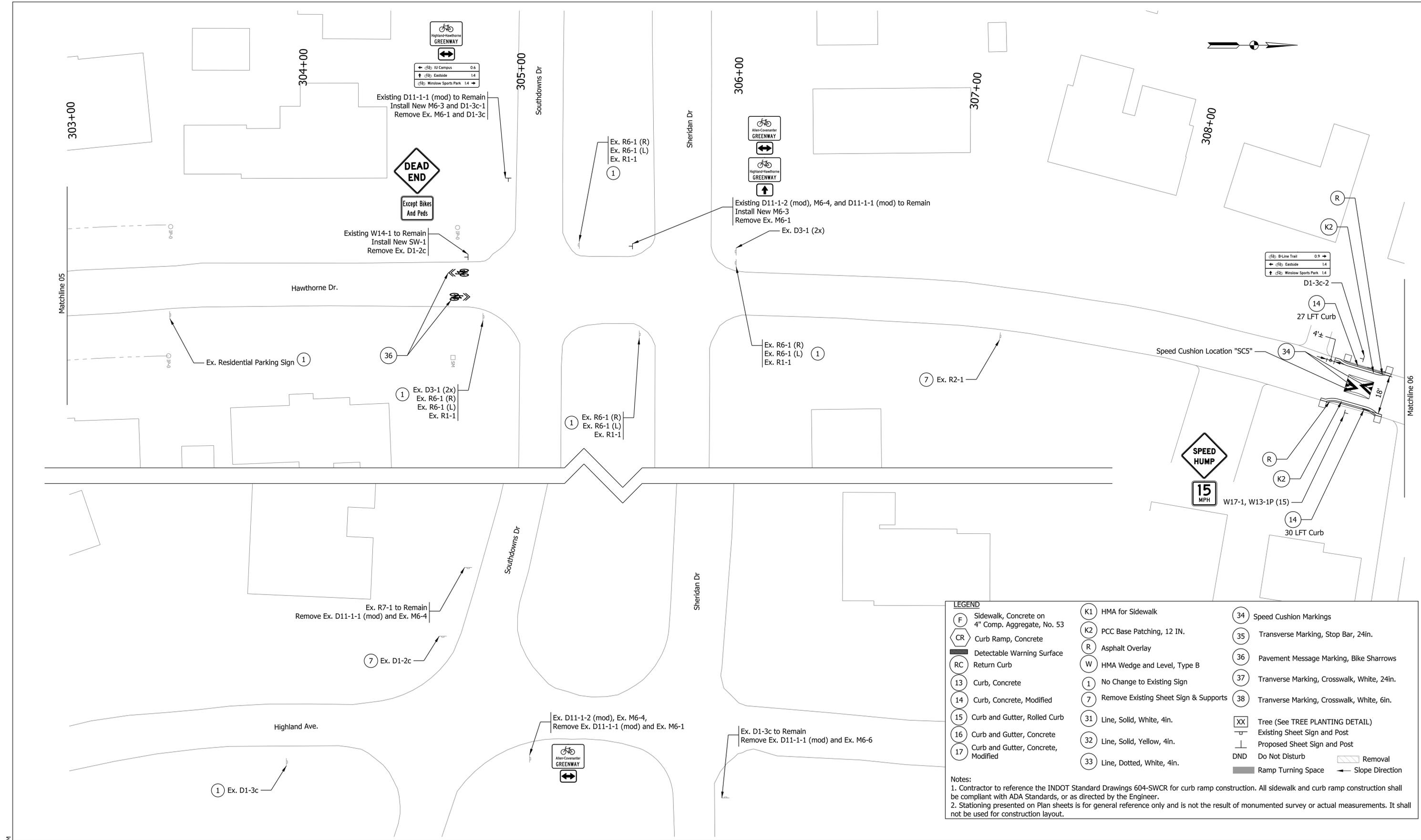


RECOMMENDED FOR APPROVAL: *[Signature]* 11/17/2023
DESIGN ENGINEER DATE

DESIGNED: SAC DRAWN: SAC
CHECKED: BEA CHECKED: BEA

CITY OF BLOOMINGTON
BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE
VERTICAL SCALE N/A	DESIGNATION
SURVEY BOOK	SHEETS 17 of 33
CONTRACT	PROJECT



LEGEND

(F) Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1) HMA for Sidewalk	(34) Speed Cushion Markings
(CR) Curb Ramp, Concrete	(K2) PCC Base Patching, 12 IN.	(35) Transverse Marking, Stop Bar, 24in.
(RC) Return Curb	(R) Asphalt Overlay	(36) Pavement Message Marking, Bike Sharrows
(13) Curb, Concrete	(W) HMA Wedge and Level, Type B	(37) Transverse Marking, Crosswalk, White, 24in.
(14) Curb, Concrete, Modified	(1) No Change to Existing Sign	(38) Transverse Marking, Crosswalk, White, 6in.
(15) Curb and Gutter, Rolled Curb	(7) Remove Existing Sheet Sign & Supports	(XX) Tree (See TREE PLANTING DETAIL)
(16) Curb and Gutter, Concrete	(31) Line, Solid, White, 4in.	Existing Sheet Sign and Post
(17) Curb and Gutter, Concrete, Modified	(32) Line, Solid, Yellow, 4in.	Proposed Sheet Sign and Post
	(33) Line, Dotted, White, 4in.	DND Do Not Disturb
		Removal
		Ramp Turning Space
		Slope Direction

Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

Plot: 11/20/2023 12:26 PM

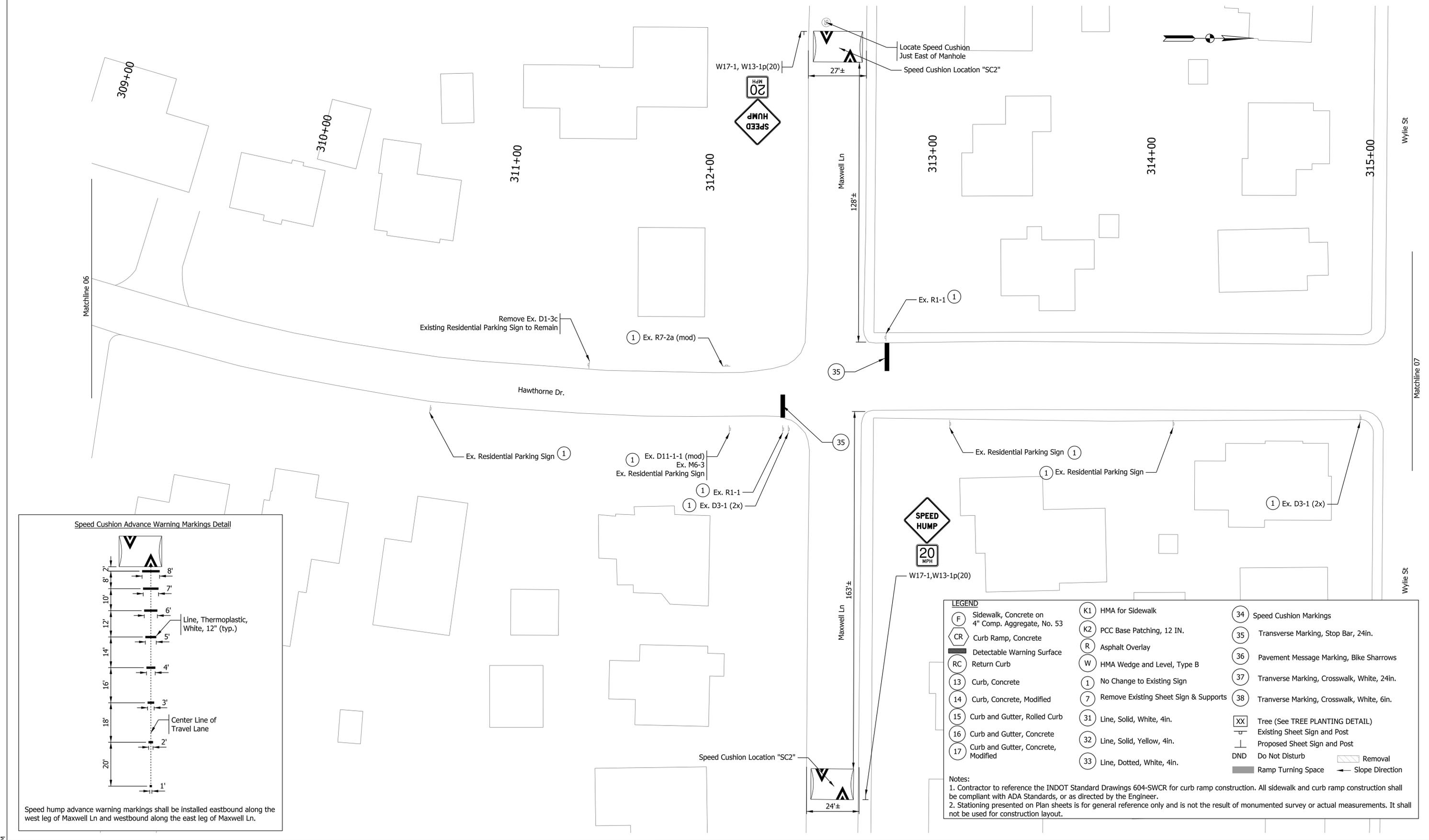
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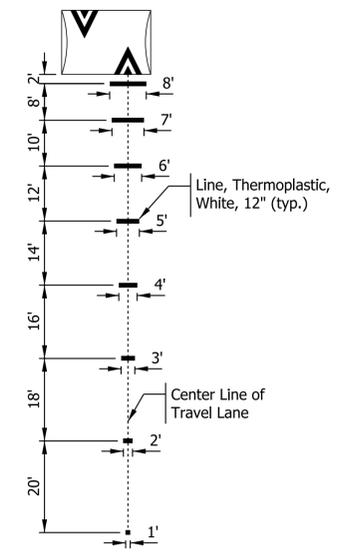
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON
BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
CONTRACT	18 of 33
	PROJECT



Speed Cushion Advance Warning Markings Detail

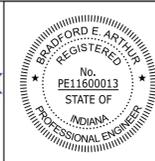


Speed hump advance warning markings shall be installed eastbound along the west leg of Maxwell Ln and westbound along the east leg of Maxwell Ln.

LEGEND			
(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1)	HMA for Sidewalk
(CR)	Curb Ramp, Concrete	(K2)	PCC Base Patching, 12 IN.
(RC)	Return Curb	(R)	Asphalt Overlay
(13)	Curb, Concrete	(W)	HMA Wedge and Level, Type B
(14)	Curb, Concrete, Modified	(1)	No Change to Existing Sign
(15)	Curb and Gutter, Rolled Curb	(7)	Remove Existing Sheet Sign & Supports
(16)	Curb and Gutter, Concrete	(31)	Line, Solid, White, 4in.
(17)	Curb and Gutter, Concrete, Modified	(32)	Line, Solid, Yellow, 4in.
		(33)	Line, Dotted, White, 4in.
		(34)	Speed Cushion Markings
		(35)	Transverse Marking, Stop Bar, 24in.
		(36)	Pavement Message Marking, Bike Sharrows
		(37)	Transverse Marking, Crosswalk, White, 24in.
		(38)	Transverse Marking, Crosswalk, White, 6in.
		(XX)	Tree (See TREE PLANTING DETAIL)
		(Symbol)	Existing Sheet Sign and Post
		(Symbol)	Proposed Sheet Sign and Post
		(DND)	Do Not Disturb
		(Symbol)	Ramp Turning Space
		(Symbol)	Removal
		(Symbol)	Slope Direction

Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

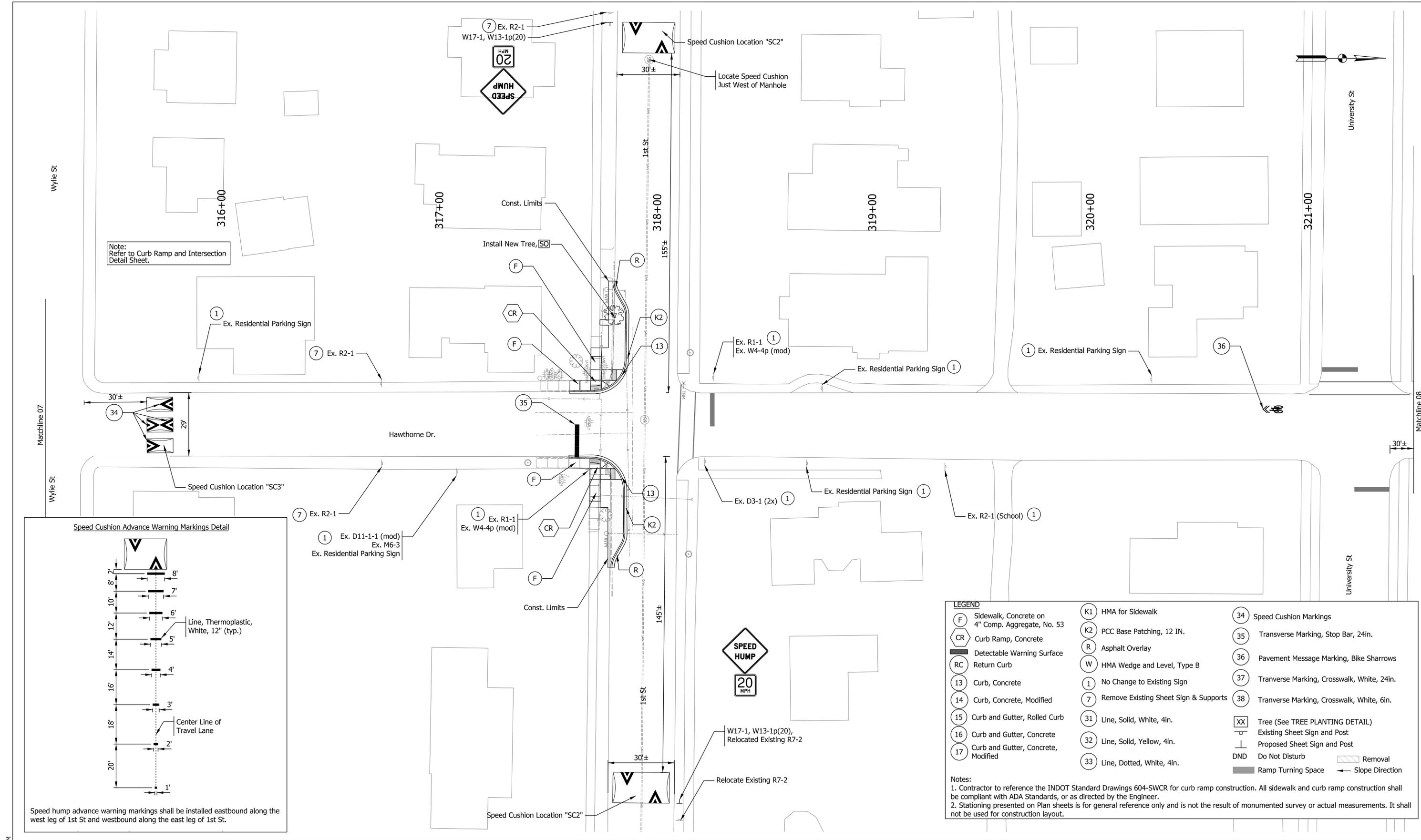
Plot: 11/20/2023 12:26 PM



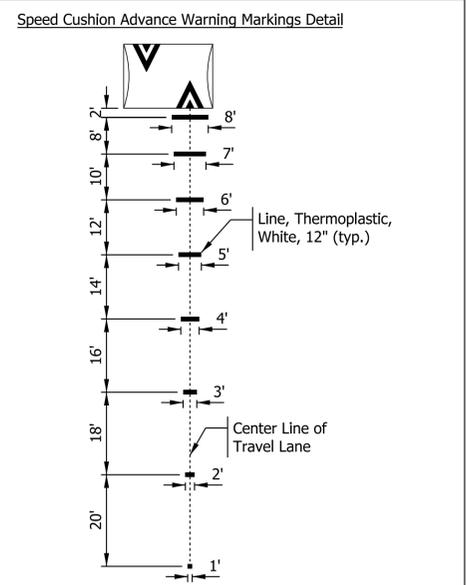
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON
 BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	19 of 33
CONTRACT	PROJECT



Note:
Refer to Curb Ramp and Intersection
Detail Sheet.



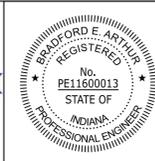
Speed hump advance warning markings shall be installed eastbound along the west leg of 1st St and westbound along the east leg of 1st St.

LEGEND

(F) Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1) HMA for Sidewalk	(34) Speed Cushion Markings
(CR) Curb Ramp, Concrete	(K2) PCC Base Patching, 12 IN.	(35) Transverse Marking, Stop Bar, 24in.
(RC) Return Curb	(R) Asphalt Overlay	(36) Pavement Message Marking, Bike Sharrows
(13) Curb, Concrete	(W) HMA Wedge and Level, Type B	(37) Transverse Marking, Crosswalk, White, 24in.
(14) Curb, Concrete, Modified	(1) No Change to Existing Sign	(38) Transverse Marking, Crosswalk, White, 6in.
(15) Curb and Gutter, Rolled Curb	(7) Remove Existing Sheet Sign & Supports	(XX) Tree (See TREE PLANTING DETAIL)
(16) Curb and Gutter, Concrete	(31) Line, Solid, White, 4in.	Existing Sheet Sign and Post
(17) Curb and Gutter, Concrete, Modified	(32) Line, Solid, Yellow, 4in.	Proposed Sheet Sign and Post
	(33) Line, Dotted, White, 4in.	DND Do Not Disturb
		Removal
		Ramp Turning Space
		Slope Direction

Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

Plot: 11/20/2023 12:27 PM

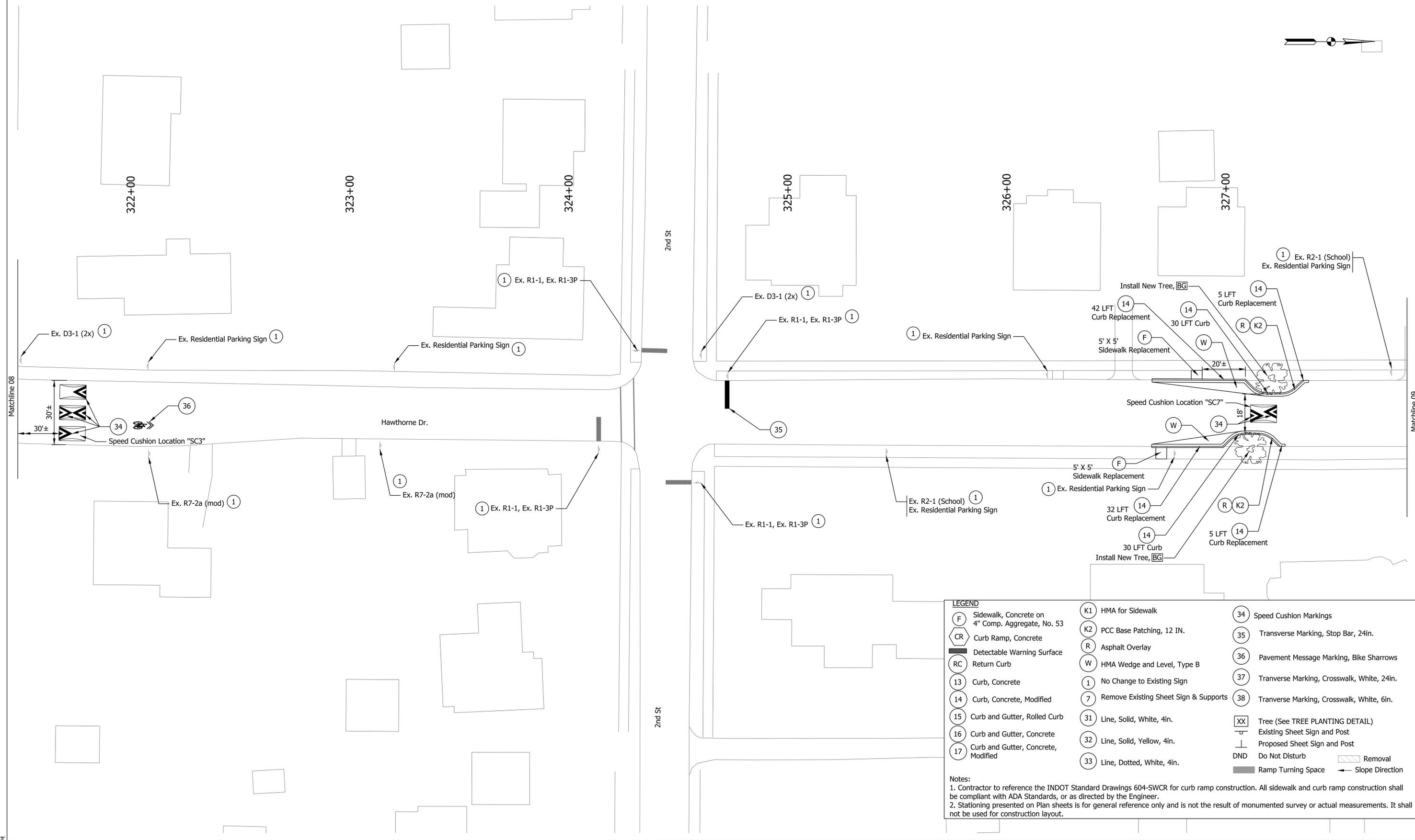
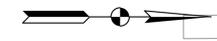


RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
DESIGNED: SAC	DRAWN: SAC	DATE
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON

BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	20 of 33
CONTRACT	PROJECT

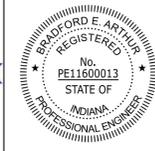


LEGEND

(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1)	HMA for Sidewalk	(34)	Speed Cushion Markings
(CR)	Curb Ramp, Concrete	(K2)	PCC Base Patching, 12 IN.	(35)	Transverse Marking, Stop Bar, 24in.
(RC)	Return Curb	(R)	Asphalt Overlay	(36)	Pavement Message Marking, Bike Sharrows
(13)	Curb, Concrete	(W)	HMA Wedge and Level, Type B	(37)	Transverse Marking, Crosswalk, White, 24in.
(14)	Curb, Concrete, Modified	(1)	No Change to Existing Sign	(38)	Transverse Marking, Crosswalk, White, 6in.
(15)	Curb and Gutter, Rolled Curb	(7)	Remove Existing Sheet Sign & Supports	(XX)	Tree (See TREE PLANTING DETAIL)
(16)	Curb and Gutter, Concrete	(31)	Line, Solid, White, 4in.	(-)	Existing Sheet Sign and Post
(17)	Curb and Gutter, Concrete, Modified	(32)	Line, Solid, Yellow, 4in.	(+)	Proposed Sheet Sign and Post
		(33)	Line, Dotted, White, 4in.	DND	Do Not Disturb
				(//)	Removal
				(-)	Ramp Turning Space
				(-)	Slope Direction

Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

Plot: 11/20/2023 12:27 PM



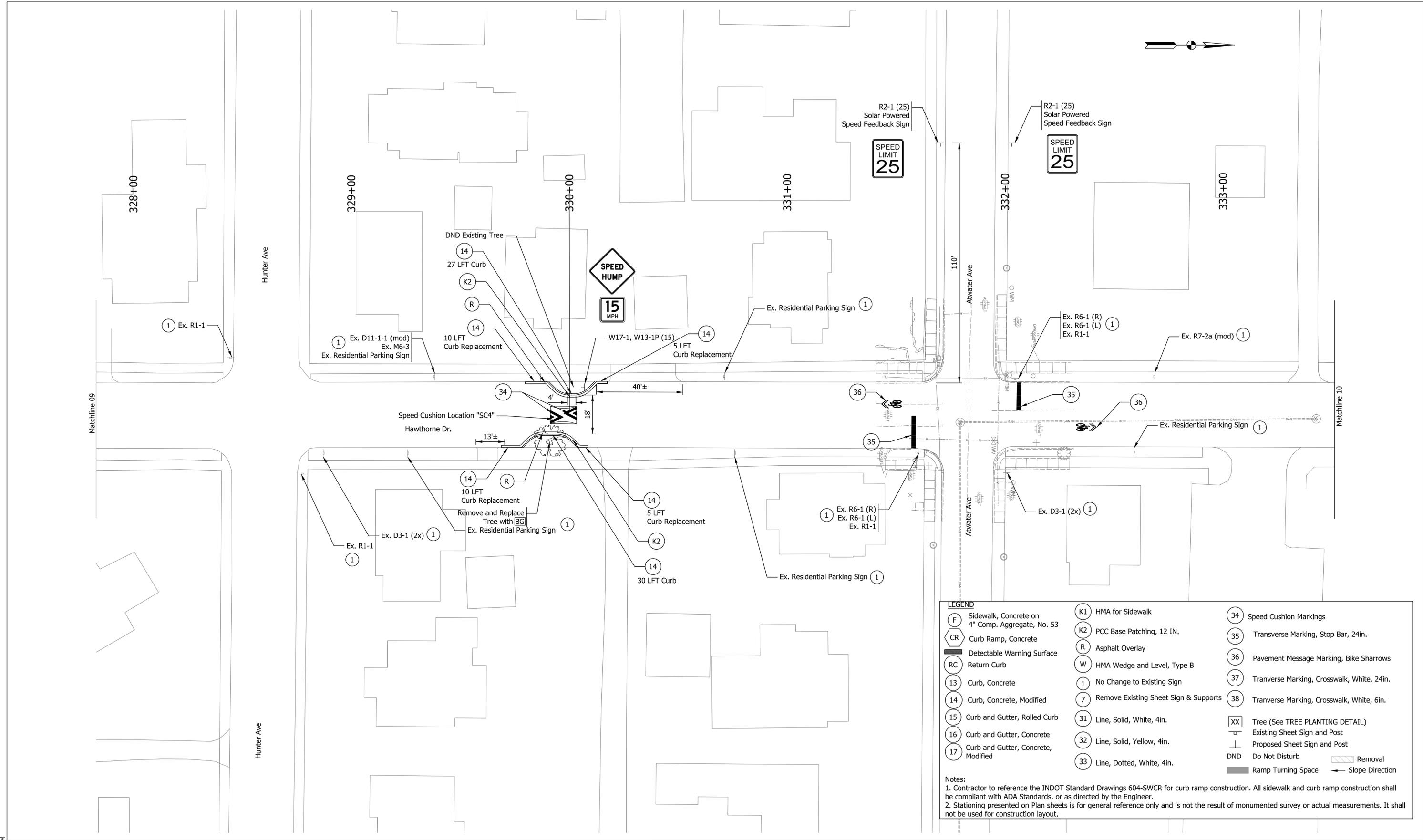
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON

BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	21 of 33
CONTRACT	PROJECT

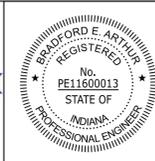
Plot: 11/20/2023 12:28 PM



LEGEND

(F) Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1) HMA for Sidewalk	(34) Speed Cushion Markings
(CR) Curb Ramp, Concrete	(K2) PCC Base Patching, 12 IN.	(35) Transverse Marking, Stop Bar, 24in.
(RC) Return Curb	(R) Asphalt Overlay	(36) Pavement Message Marking, Bike Sharrows
(13) Curb, Concrete	(W) HMA Wedge and Level, Type B	(37) Transverse Marking, Crosswalk, White, 24in.
(14) Curb, Concrete, Modified	(1) No Change to Existing Sign	(38) Transverse Marking, Crosswalk, White, 6in.
(15) Curb and Gutter, Rolled Curb	(7) Remove Existing Sheet Sign & Supports	(XX) Tree (See TREE PLANTING DETAIL)
(16) Curb and Gutter, Concrete	(31) Line, Solid, White, 4in.	Existing Sheet Sign and Post
(17) Curb and Gutter, Concrete, Modified	(32) Line, Solid, Yellow, 4in.	Proposed Sheet Sign and Post
	(33) Line, Dotted, White, 4in.	DND Do Not Disturb
		Removal
		Ramp Turning Space
		Slope Direction

Notes:
 1. Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
 2. Stationing presented on Plan sheets is for general reference only and is not the result of monumented survey or actual measurements. It shall not be used for construction layout.

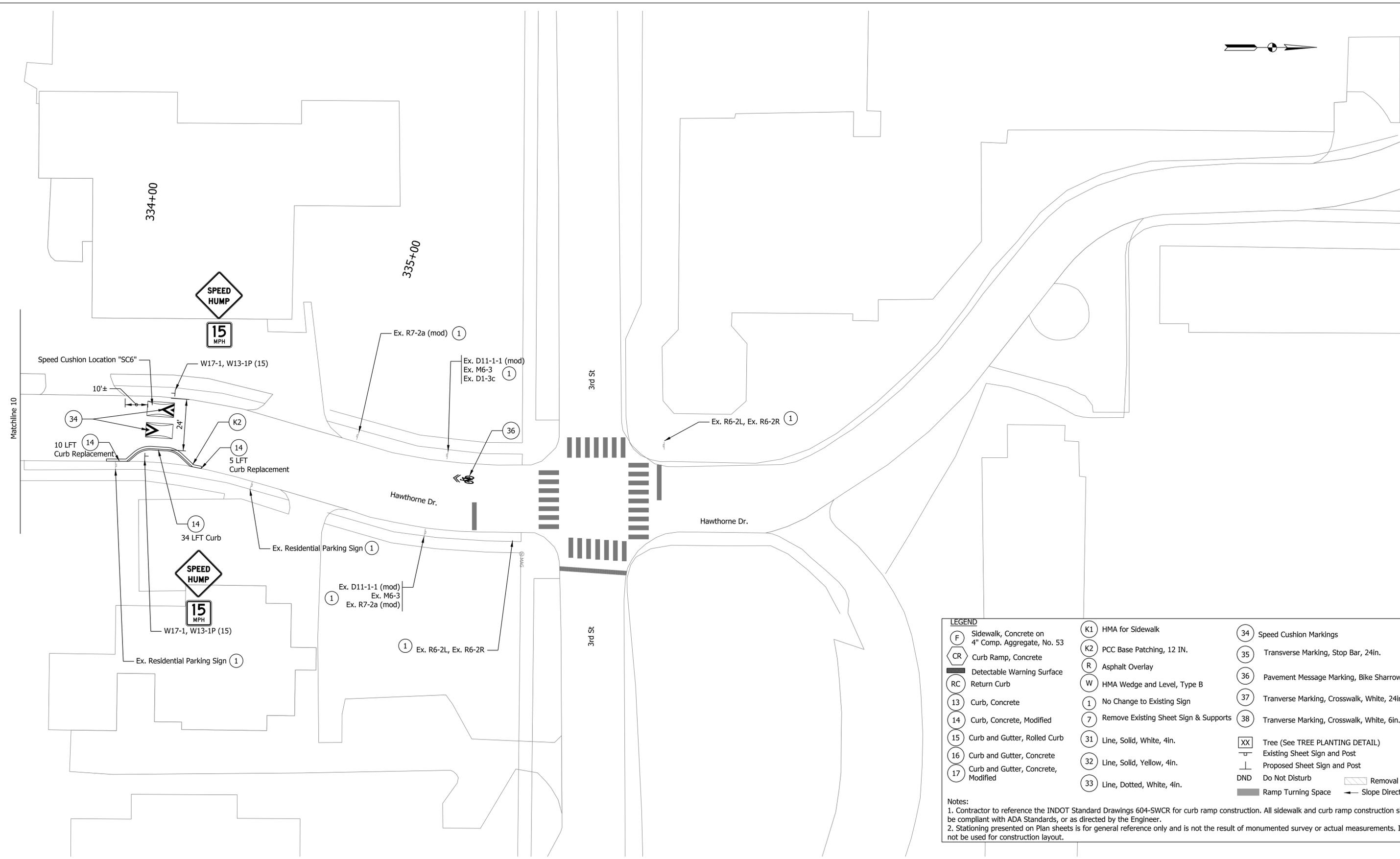


RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON

BLOOMINGTON GREENWAYS PLAN

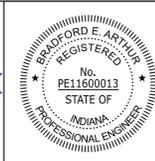
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	22 of 33
CONTRACT	PROJECT



LEGEND

(F) Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K1) HMA for Sidewalk	(34) Speed Cushion Markings
(CR) Curb Ramp, Concrete	(K2) PCC Base Patching, 12 IN.	(35) Transverse Marking, Stop Bar, 24in.
(RC) Return Curb	(R) Asphalt Overlay	(36) Pavement Message Marking, Bike Sharrows
(13) Curb, Concrete	(W) HMA Wedge and Level, Type B	(37) Transverse Marking, Crosswalk, White, 24in.
(14) Curb, Concrete, Modified	(1) No Change to Existing Sign	(38) Transverse Marking, Crosswalk, White, 6in.
(15) Curb and Gutter, Rolled Curb	(7) Remove Existing Sheet Sign & Supports	(XX) Tree (See TREE PLANTING DETAIL)
(16) Curb and Gutter, Concrete	(31) Line, Solid, White, 4in.	Existing Sheet Sign and Post
(17) Curb and Gutter, Concrete, Modified	(32) Line, Solid, Yellow, 4in.	Proposed Sheet Sign and Post
	(33) Line, Dotted, White, 4in.	DND Do Not Disturb
		Removal
		Ramp Turning Space
		Slope Direction

Plot: 11/20/2023 12:28 PM



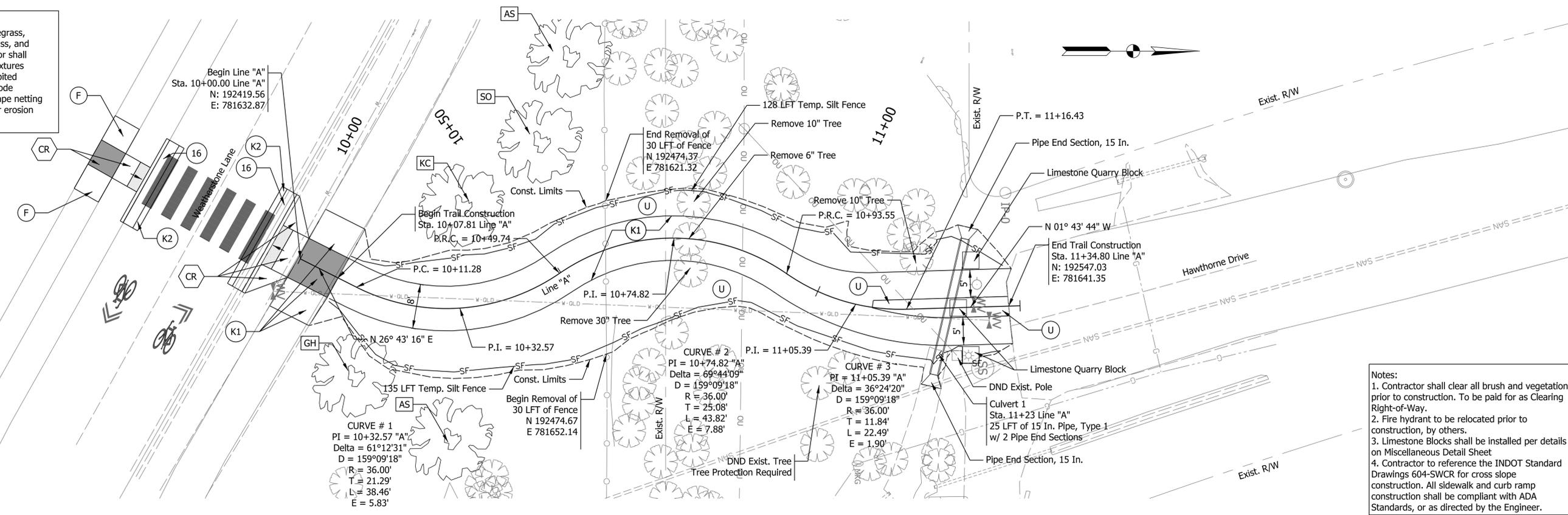
RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON

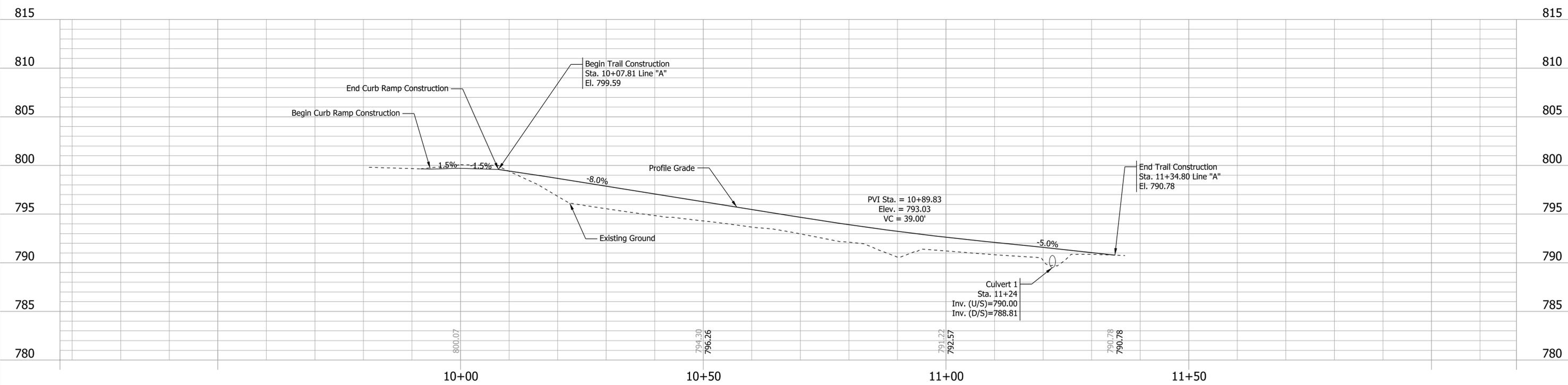
BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	23 of 33
CONTRACT	PROJECT

SEED MIX REQUIREMENTS:
 Seed mixture shall be 50 lbs/acre of Perennial Ryegrass, 50 lbs/acre of certified Common Kentucky Bluegrass, and 50 lbs/acre of Merit Kentucky Bluegrass. Contractor shall seed at a rate of 150 lbs/acre. Equivalent seed mixtures may be approved, but shall not contain any prohibited plant species as listed in Bloomington Municipal Code 20.04.080. Contractor shall not use plastic landscape netting or mesh for any type of permanent landscaping or erosion control.

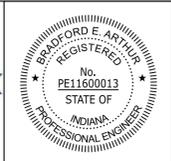


Notes:
 1. Contractor shall clear all brush and vegetation prior to construction. To be paid for as Clearing Right-of-Way.
 2. Fire hydrant to be relocated prior to construction, by others.
 3. Limestone Blocks shall be installed per details on Miscellaneous Detail Sheet
 4. Contractor to reference the INDOT Standard Drawings 604-SWCR for cross slope construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.



Plot: 11/17/2023 12:56 PM

- LEGEND**
- (F) Sidewalk, Concrete on 4" Comp. Aggregate, No. 53
 - (CR) Curb Ramp, Concrete
 - (16) Curb and Gutter, Concrete
 - (K1) HMA for Sidewalk
 - (K2) PCC Base Patching, 12 IN.
 - (U) Seeding Mixture
 - (XX) Tree (See TREE PLANTING DETAIL)
 - SF Silt Fence
 - ▬ Ramp Turning Space
 - ▬ Slope Direction

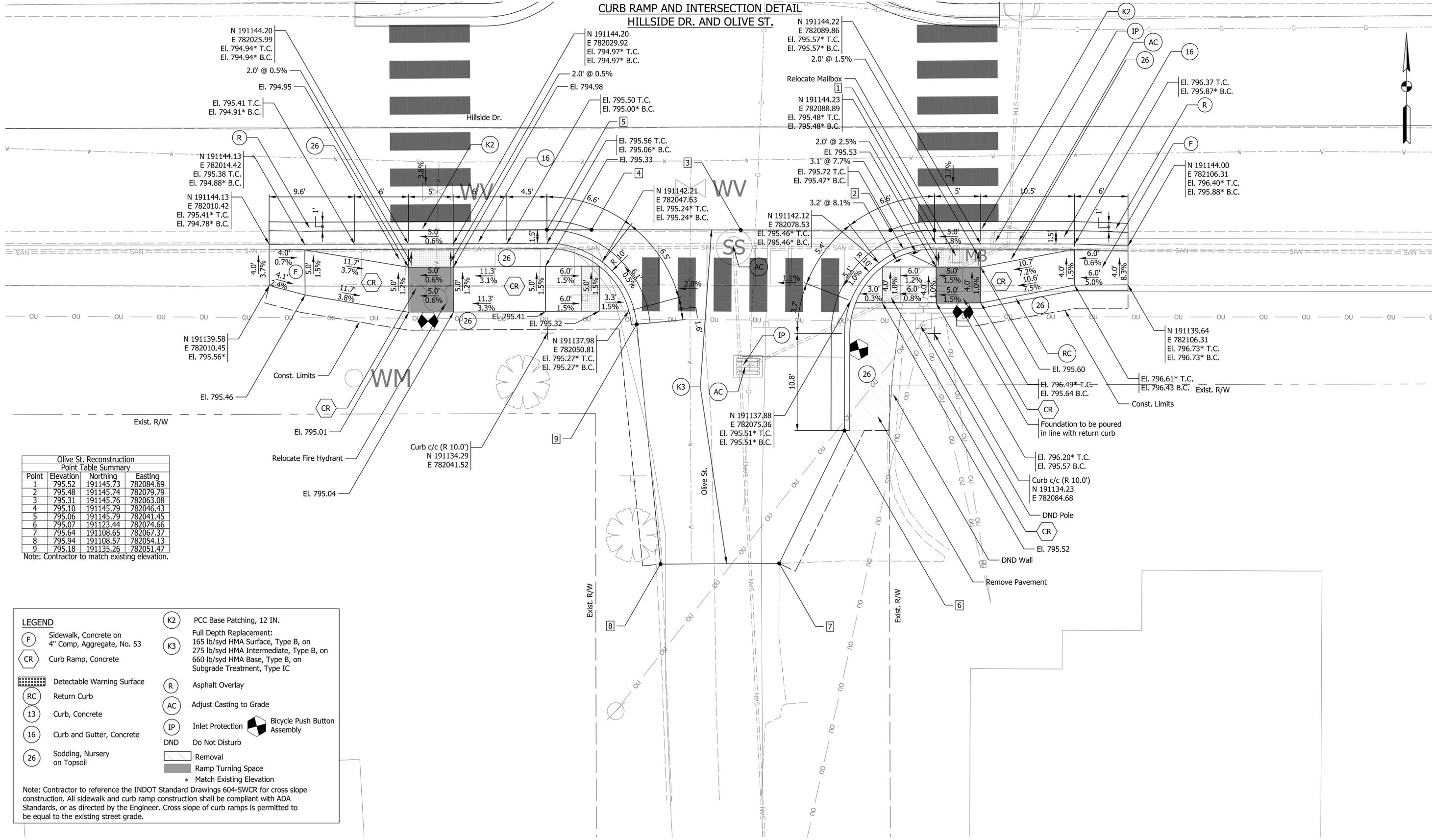


RECOMMENDED FOR APPROVAL: *[Signature]* 11/17/2023
 DESIGN ENGINEER
 DESIGNED: SAC DRAWN: SAC
 CHECKED: BEA CHECKED: BEA

CITY OF BLOOMINGTON
BLOOMINGTON GREENWAYS TRAIL
PLAN AND PROFILE

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	
VERTICAL SCALE	DESIGNATION
SURVEY BOOK	SHEETS
	24 of 33
CONTRACT	PROJECT

**CURB RAMP AND INTERSECTION DETAIL
HILLSIDE DR. AND OLIVE ST.**



Olive St. Reconstruction Point Table Summary

Point	Elevation	Northing	Easting
1	795.52	191145.73	782084.69
2	795.48	191145.74	782079.79
3	795.31	191145.76	782063.08
4	795.10	191145.79	782046.43
5	795.06	191145.79	782041.45
6	795.07	191123.44	782074.66
7	795.64	191108.65	782067.37
8	795.94	191108.57	782054.13
9	795.18	191135.26	782051.47

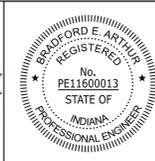
Note: Contractor to match existing elevation.

LEGEND

- (F) Sidewalk, Concrete on 4" Comp, Aggregate, No. 53
- (CR) Curb Ramp, Concrete
- (RC) Return Curb
- (13) Curb, Concrete
- (16) Curb and Gutter, Concrete
- (26) Sodding, Nursery on Topsoil
- (K2) PCC Base Patching, 12 IN.
- (K3) Full Depth Replacement: 165 lb/syd HMA Surface, Type B, on 275 lb/syd HMA Intermediate, Type B, on 660 lb/syd HMA Base, Type B, on Subgrade Treatment, Type IC
- (R) Asphalt Overlay
- (AC) Adjust Casting to Grade
- (IP) Inlet Protection Bicycle Push Button Assembly
- DND Do Not Disturb
- ▭ Removal
- ▭ Ramp Turning Space
- * Match Existing Elevation

Note: Contractor to reference the INDOT Standard Drawings 604-SWCR for cross slope construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer. Cross slope of curb ramps is permitted to be equal to the existing street grade.

Plot: 11/17/2023 12:56 PM



RECOMMENDED FOR APPROVAL *[Signature]* 11/17/2023
DESIGN ENGINEER DATE

DESIGNED: SAC DRAWN: SAC
CHECKED: BEA CHECKED: BEA

CITY OF BLOOMINGTON

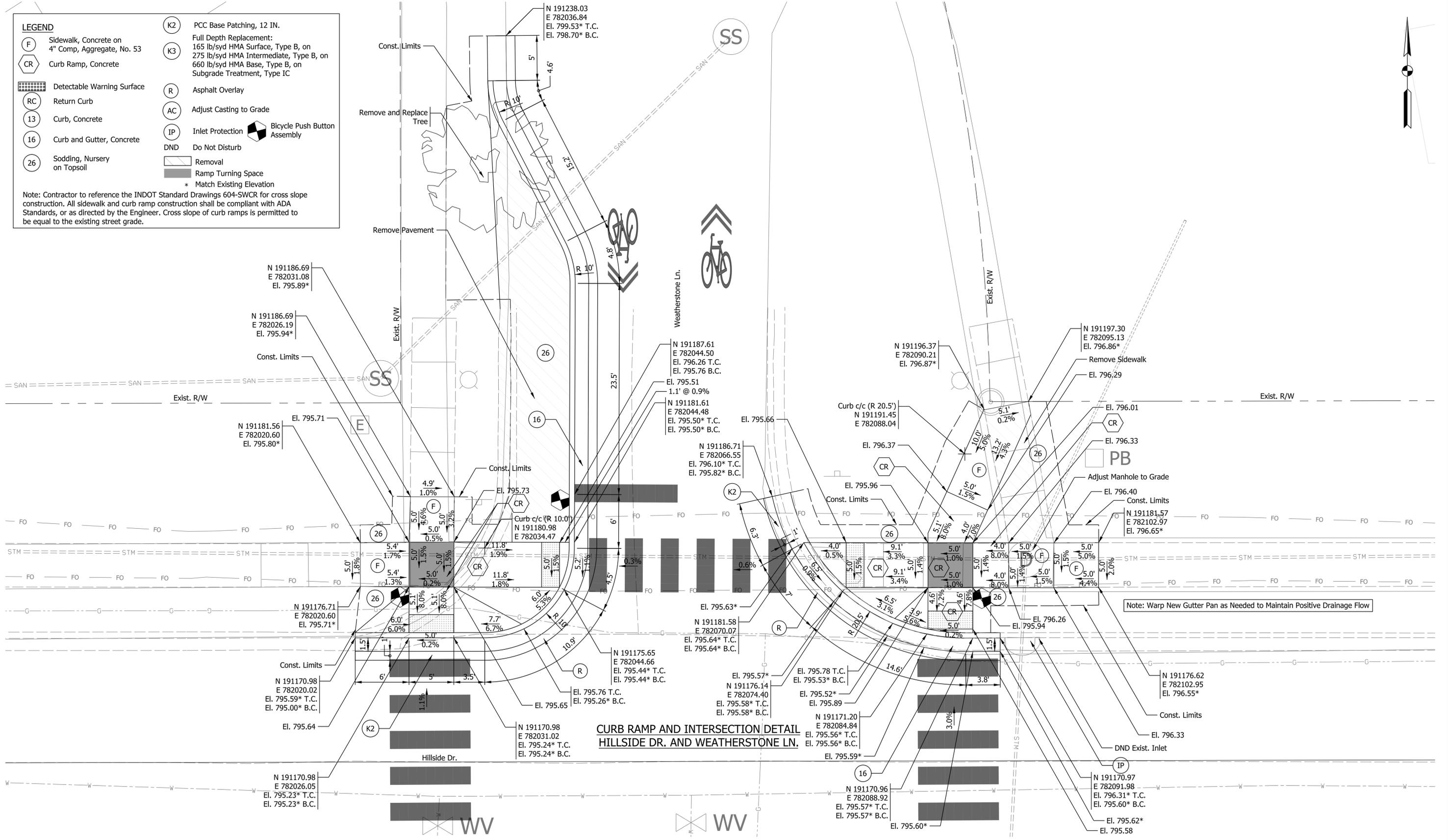
**CURB RAMP AND INTERSECTION DETAIL
HILLSIDE DR. AND OLIVE ST.**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	25 of 33
CONTRACT	PROJECT

LEGEND

	Sidewalk, Concrete on 4" Comp, Aggregate, No. 53		PCC Base Patching, 12 IN.
	Curb Ramp, Concrete		Full Depth Replacement: 165 lb/syd HMA Surface, Type B, on 275 lb/syd HMA Intermediate, Type B, on 660 lb/syd HMA Base, Type B, on Subgrade Treatment, Type IC
	Detectable Warning Surface		Asphalt Overlay
	Return Curb		Adjust Casting to Grade
	Curb, Concrete		Inlet Protection
	Curb and Gutter, Concrete		Do Not Disturb
	Sodding, Nursery on Topsoil		Removal
			Ramp Turning Space
			* Match Existing Elevation

Note: Contractor to reference the INDOT Standard Drawings 604-SWCR for cross slope construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer. Cross slope of curb ramps is permitted to be equal to the existing street grade.



**CURB RAMP AND INTERSECTION DETAIL
HILLSIDE DR. AND WEATHERSTONE LN.**

Note: Warp New Gutter Pan as Needed to Maintain Positive Drainage Flow

Plot: 11/17/2023 12:57 PM



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CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON
**CURB RAMP AND INTERSECTION DETAIL
HILLSIDE DR. AND WEATHERSTONE LN.**

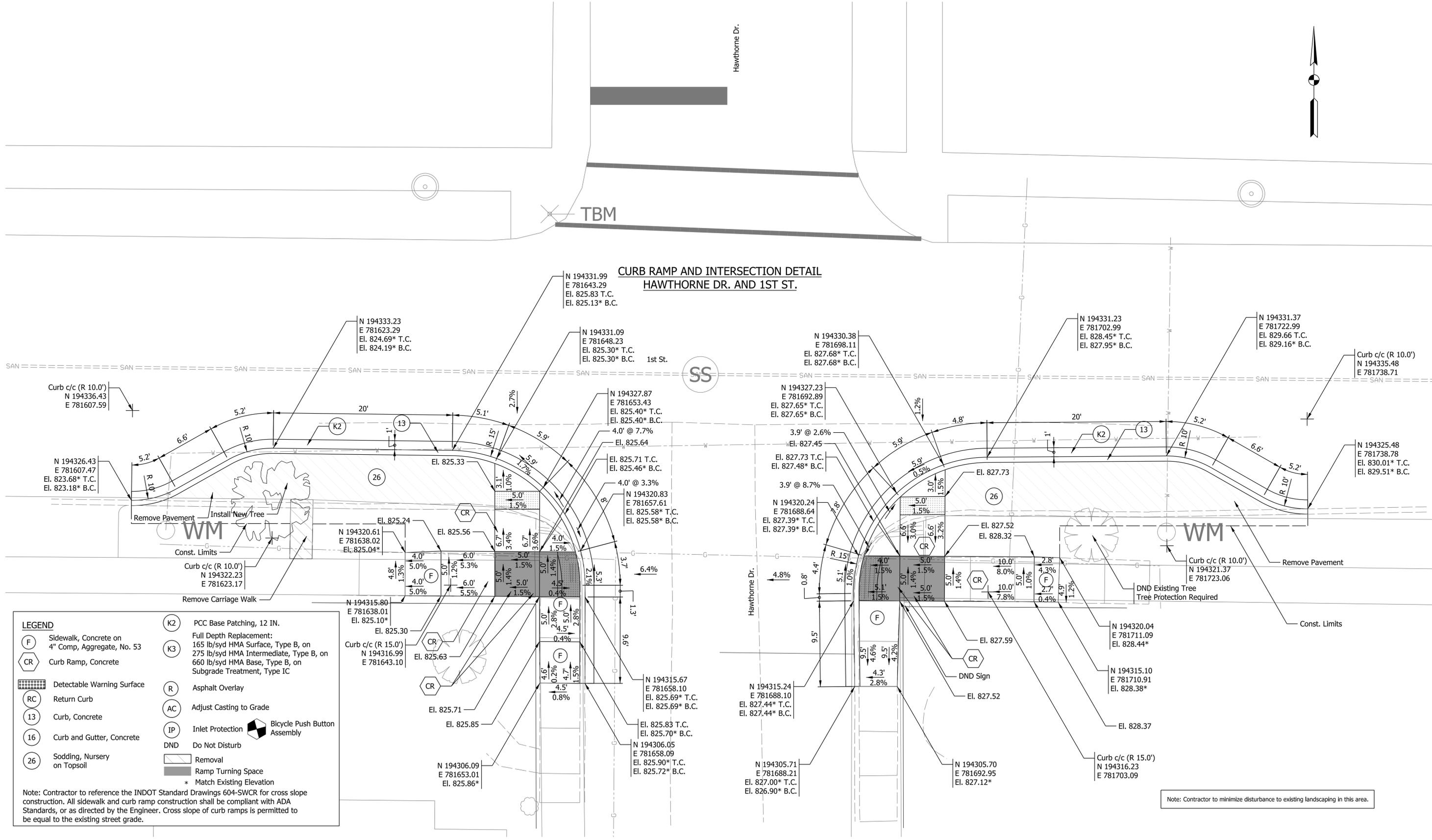
HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	26 of 33
CONTRACT	PROJECT



Hawthorne Dr.

TBM

CURB RAMP AND INTERSECTION DETAIL HAWTHORNE DR. AND 1ST ST.



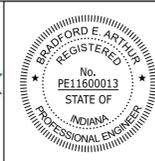
LEGEND

- (F) Sidewalk, Concrete on 4" Comp, Aggregate, No. 53
- (CR) Curb Ramp, Concrete
- (RC) Return Curb
- (13) Curb, Concrete
- (16) Curb and Gutter, Concrete
- (26) Sodding, Nursery on Topsoil
- (K2) PCC Base Patching, 12 IN.
- (K3) Full Depth Replacement: 165 lb/syd HMA Surface, Type B, on 275 lb/syd HMA Intermediate, Type B, on 660 lb/syd HMA Base, Type B, on Subgrade Treatment, Type IC
- (R) Asphalt Overlay
- (AC) Adjust Casting to Grade
- (IP) Inlet Protection
- DND Do Not Disturb
- Removal
- Ramp Turning Space
- * Match Existing Elevation

Note: Contractor to reference the INDOT Standard Drawings 604-SWCR for cross slope construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer. Cross slope of curb ramps is permitted to be equal to the existing street grade.

Note: Contractor to minimize disturbance to existing landscaping in this area.

Plot: 11/17/2023 12:57 PM



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
DESIGNED: SAC	DRAWN: SAC	DATE
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON

**CURB RAMP AND INTERSECTION DETAIL
HAWTHORNE DR. AND 1ST ST.**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	27 of 33
CONTRACT	PROJECT

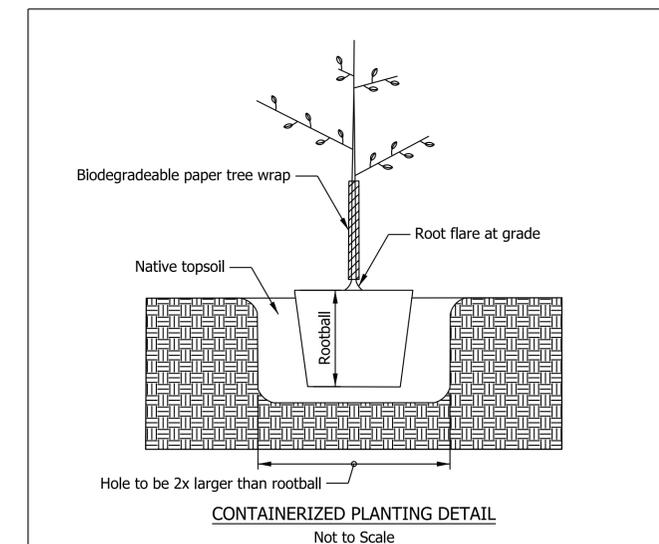
TREE SPECIES LISTING (2.5 IN. Caliper)			
SCIENTIFIC NAME	COMMON NAME	NUMBER	SYMBOL
Large Street Trees			
Nyssa sylvatica	Blackgum	4	BG
Gymnocladus dioicus	Kentucky Coffee (Male)	3	KC
Medium Street Trees			
Tilia americana	Sentry Linden	4	SL
Oxydendrum arboretum	Sourwood	3	SW
Quercus coccinea	Scarlet Oak	4	SO
Small Street Trees			
Crataegus viridis	Green Hawthorn	4	GH
Amelanchier laevis	Allegheny Serviceberry	4	AS

*All trees from approved list from the Bloomington Indiana Title 20 - Unified Development Ordinance

TREE REMOVAL SUMMARY	
DESCRIPTION	NUMBER
Existing 6" Tree to be Removed	1
Existing 10" Tree to be Removed	2
Existing 18" Tree to be Removed	15
Existing 30" Tree to be Removed	1

GENERAL NOTES:

- Proposed medium and large trees shall be spaced at a minimum of 12' o.c.
- Proposed small trees shall be spaced at a minimum of 6' o.c.
- Contractor must have all utilities marked prior to any tree planting activity. Any planting location within 5'-10' from a utility, including underground, must be a small street tree. Any planting location more than 10' from a utility, must be a medium or large street tree. Tree selections may be modified and approved by the Engineer, after utilities are located.



RECOMMENDED FOR APPROVAL	<i>[Signature]</i>	11/17/2023
	DESIGN ENGINEER	DATE
DESIGNED: SAC	DRAWN: SAC	
CHECKED: BEA	CHECKED: BEA	

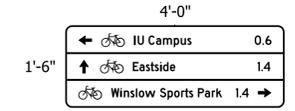
CITY OF BLOOMINGTON

TREE PLANTING DETAIL

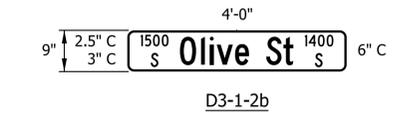
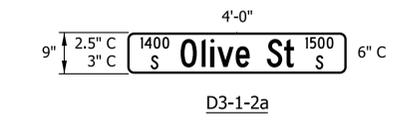
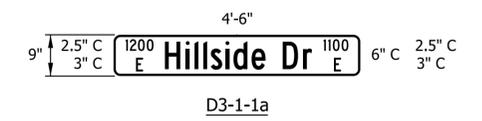
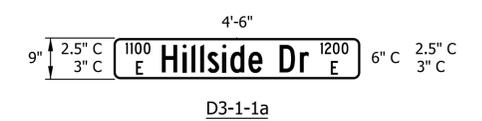
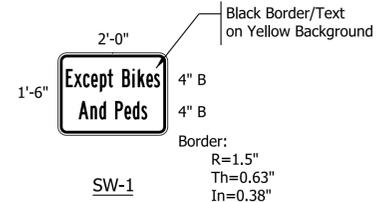
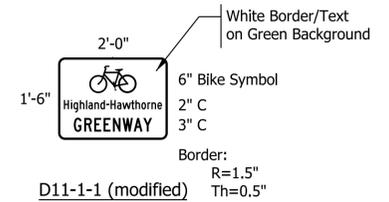
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N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	28 of 33
CONTRACT	PROJECT

SHEET SIGN & POST SUMMARY

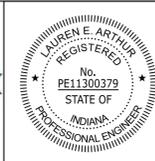
PLAN SHEET NO.	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN. x IN.)	GROUND - MOUNTED SIGN AREA (ft ²)			POST SQUARE									NOTES			
				0.080"	0.100"	0.125"	2 1/2" X 2 1/2" - 12 GA. (TYPE 3)			2" X 2" - 12 GA. (TYPE 2)			2 1/4" X 2 1/4" - 12 GA. (TYPE 1)						
							REINFORCED ANCHOR POST LENGTH (FT.)			REINFORCED ANCHOR POST LENGTH (FT.)			REINFORCED ANCHOR POST LENGTH (FT.)						
							1	2	TOTAL	1	2	TOTAL	1	2	TOTAL				
12	Hillside Dr (west of Weatherstone)	R2-1 (30)	24 x 30	5.00															
		Speed Feedback Sign	30 x 28															Mount with R2-1	
		W11-15	30 x 30	6.25														Mount on Pedestal with RRFB	
		W16-7p	24 x 12	2.00															
		W11-15	30 x 30	6.25														Mount on Pedestal with RRFB	
		W16-7p	24 x 12	2.00															
	Olive St (south of Hillside)	D11-1-1 (mod)	24 x 18	3.00															
		M3-1	21 x 15	2.19														Mount with D11-1-1	
		R1-1	30 x 30	6.25															
		D3-1-1a	54 x 9		3.38													back to back	
		D3-1-1b	54 x 9		3.38														
		D3-1-2a	48 x 9		3.00														
	D3-1-2b	48 x 9		3.00															
	Hillside Dr (east of Weatherstone)	R2-1 (30)	24 x 30	5.00															
		Speed Feedback Sign	30 x 28															Mount with R2-1	
		W11-15	30 x 30	6.25														Mount on Pedestal with RRFB	
		W16-7p	24 x 12	2.00															
		W11-15	30 x 30	6.25														Mount on Pedestal with RRFB	
W16-7p		24 x 12	2.00																
Weatherstone Ln (north of Hillside)	R1-1	30 x 30	6.25											10.5	10.5				
13	Weatherstone Ln (Hillside to Cobblefield)	W17-1	30 x 30	6.25															
		W13-1p (15)	18 x 18	2.25											12	12	Mount with W17-1		
15	Weatherstone Ln (at trail connection)	D11-1-1 (mod)	24 x 18	Existing Sign Relocated											11	11	Mount with D11-1-1		
		M6-1 (R)	21 x 15	Existing Sign Relocated															
		D11-1-1 (mod)	24 x 18	3.00															
		M6-3	21 x 15	2.19															
		D11-1-1 (mod)	24 x 18	Existing Sign Relocated															
		M6-1 (L)	21 x 15	Existing Sign Relocated															
		W11-15	30 x 30	6.25															
		W16-7p	24 x 12	2.00														2 sets of signs back to back	
		W11-15	30 x 30	6.25															
		W16-7p	24 x 12	2.00															
		W11-15	30 x 30	6.25															2 sets of signs back to back
		W16-7p	24 x 12	2.00															
		Hawthorne Dr (at trail connection)	OM4-3	18 x 18	2.25											7	7		
		16	Weatherstone Ln (west of trail)	W17-1	30 x 30	6.25													
W13-1p (15)	18 x 18			2.25											12	12	Mount with W17-1		
15	Hawthorne Dr (at trail connection)	OM4-3	18 x 18	2.25										7	7				
18	Hawthorne Dr (south of Southdowns)	SW-1	24 x 18	3.00													Mount on post with Existing W14-1		
		M6-3	21 x 15	2.19													Mount on post with Existing D11-1-1		
	D1-3c-1	48 x 18		6.00															
	Hawthorne Dr (Southdowns to Sheridan)	M6-3	21 x 15	2.19															
W17-1		30 x 30	6.25																
Hawthorne Dr (Sheridan to Maxwell)	W13-1p (15)	18 x 18	2.25											12	12	Mount with W17-1			
	D1-3c-2	48 x 18		6.00										9.5	9.5				
19	Maxwell Ln (west of Hawthorne)	W17-1	30 x 30	6.25															
		W13-1p (20)	18 x 18	2.25											12	12	Mount with W17-1		
		W17-1	30 x 30	6.25															
Maxwell Ln (east of Hawthorne)	W13-1p (20)	18 x 18	2.25											12	12	Mount with W17-1			
	W17-1	30 x 30	6.25																
	W13-1p (20)	18 x 18	2.25											12	12	Mount with W17-1			
20	1st St (west of Hawthorne)	W17-1	30 x 30	6.25															
		W13-1p (20)	18 x 18	2.25											12	12	Mount with W17-1		
		W17-1	30 x 30	6.25															
1st St (east of Hawthorne)	W13-1p (20)	18 x 18	2.25											12	12	Mount with W17-1			
	W17-1	30 x 30	6.25																
	W13-1p (20)	18 x 18	2.25											12	12	Mount with W17-1			
22	Hawthorne Dr (Hunter to Atwater)	R7-2	12 x 18	Existing Sign Relocated															
		W17-1	30 x 30	6.25															
		W13-1p (15)	18 x 18	2.25											12	12	Mount with W17-1		
SUBTOTALS (THIS SHEET)				178.75	24.75	0.00								0.00			0.00	233.50	



D1-3c Signs Shall Have:
 2" D Text
 2" x 3" Arrows
 3" Bike Symbols
 White Border/Text on Green Background



Plot: 11/17/2023 12:57 PM



RECOMMENDED FOR APPROVAL	<i>Lauren E. Arthur</i>	DESIGN ENGINEER	11/17/2023
DESIGNED: LEA	DRAWN: LEA	CHECKED: RLH	CHECKED: RLH

CITY OF BLOOMINGTON	
TRAFFIC SUMMARY TABLES	

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	29 of 33
CONTRACT	PROJECT

SHEET SIGN & POST SUMMARY

PLAN SHEET NO.	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN. x IN.)	GROUND - MOUNTED SIGN AREA (ft ²)			POST									NOTES			
				0.080"	0.100"	0.125"	SQUARE												
							2 1/2" X 2 1/2" - 12 GA. (TYPE 3) REINFORCED ANCHOR			2" X 2" - 12 GA. (TYPE 2) REINFORCED ANCHOR			2 1/4" X 2 1/4" - 12 GA. (TYPE 1) REINFORCED ANCHOR						
							POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)						
1	2	TOTAL	1	2	TOTAL	1	TOTAL												
22	Atwater Ave (west of Hawthorne)	R2-1 (25)	24 x 30	5.00															
		Speed Feedback Sign	30 x 28		-										12	12		Mount with R2-1	
		R2-1 (25)	24 x 30	5.00											12	12		Mount with R2-1	
23	Hawthorne Dr (Atwater to 3rd)	Speed Feedback Sign	30 x 28		-														
		W17-1	30 x 30	6.25											12	12		Mount with W17-1	
		W13-1p (15)	18 x 18	2.25															
		W17-1	30 x 30	6.25											12	12		Mount with W17-1	
		W13-1p (15)	18 x 18	2.25															
SUBTOTALS (THIS SHEET)				27.00	0.00	0.00			0.00			0.00			48.00				
SUBTOTALS (PREVIOUS SHEET)				178.75	24.75	0.00			0.00			0.00			233.50				
PROJECT TOTALS				205.75	24.75	0.00			0.00			0.00			281.50				

PAVEMENT MARKINGS SUMMARY TABLE

Plan Sheet No.	LOCATION	LINE, THERMOPLASTIC				TRANSVERSE MARKING, THERMOPLASTIC			BIKE SYMBOL AND SHARROWS	SPEED HUMP MARKING	RAISED PAVEMENT MARKER						
		SOLID WHITE	SOLID YELLOW	DOTTED WHITE	SOLID WHITE	CROSSWALK WHITE	CROSSWALK WHITE	STOP BAR WHITE			ONE-WAY WHITE	TWO-WAY WHITE / RED	TWO-WAY YELLOW / RED				
		4" LFT	4" LFT	4" LFT	12" LFT	24" LFT	6" LFT	24" LFT			EACH	EACH	EACH	EACH	EACH		
10	Olive St (south of Hillside)					36											
	Hillside Dr (west of Weatherstone)					54											
	Hillside Dr (east of Weatherstone)					54											
	Weatherstone Ln (north of Hillside)					36		12	2								
11	Weatherstone Ln (Hillside to Cobblefield)								2	2							
	Weatherstone Ln (south of Cobblefield)	5	54	10				54									
	Cobblefield Ct (west of Weatherstone)	5	54	9				53									
	Cobblefield Ct (east of Weatherstone)	5	54	11				54									
12	Weatherstone Ln (north of Cobblefield)	5	54	9				58	2	2							
	Weatherstone Ln (between new and ex. trails)								2	4							
	Weatherstone Ln (at new trail connection)					60											
	Weatherstone Ln (between Woodlawn and new trail)							52		2							
16	Hawthorne Dr (south of Southdowns)								2								
	Hawthorne Dr (north of Sheridan)									2							
	Hawthorne Dr (south of Maxwell)										11						
	Maxwell Ln (west of Hawthorne)				36						2						
17	Maxwell Ln (east of Hawthorne)				36						2						
	Hawthorne Dr (north of Maxwell)																
	Hawthorne Dr (Wylie to 1st)										13						
	Hawthorne Dr (1st to University)										15						
18	1st St (west of Hawthorne)				36						2						
	1st St (east of Hawthorne)				36						2						
	Hawthorne Dr (1st to University)									1							
	Hawthorne Dr (University to 2nd)									1	4						
19	Hawthorne Dr (2nd to Hunter)										2						
	Hawthorne Dr (Hunter to Atwater)										13						
	Hawthorne Dr (north of Atwater)										15						
20	Hawthorne Dr (south of 3rd St)										13						
	Hawthorne Dr (south of 3rd St)										1	2					
21	Hawthorne Dr (south of 3rd St)										1	2					
PROJECT TOTALS		20	216	39	144	240	271	115	15	34	0	0	0				

Plot: 11/17/2023 12:57 PM



RECOMMENDED FOR APPROVAL: *Lauren E. Arthur* DESIGN ENGINEER 11/17/2023 DATE

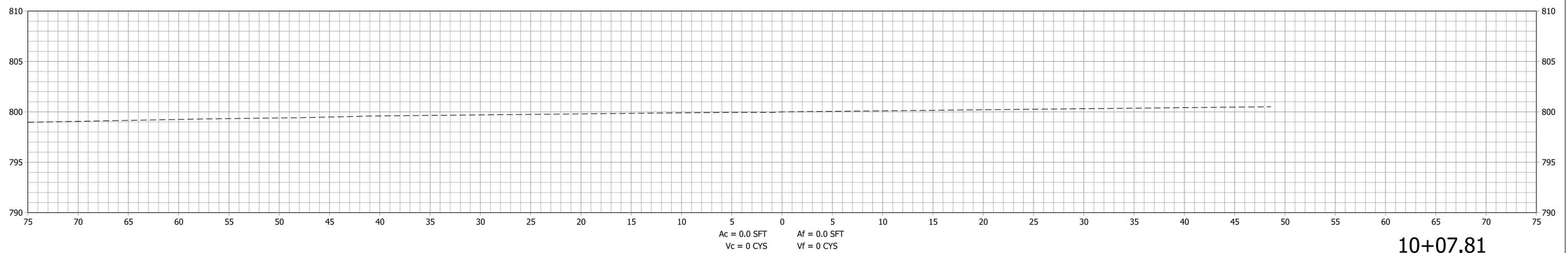
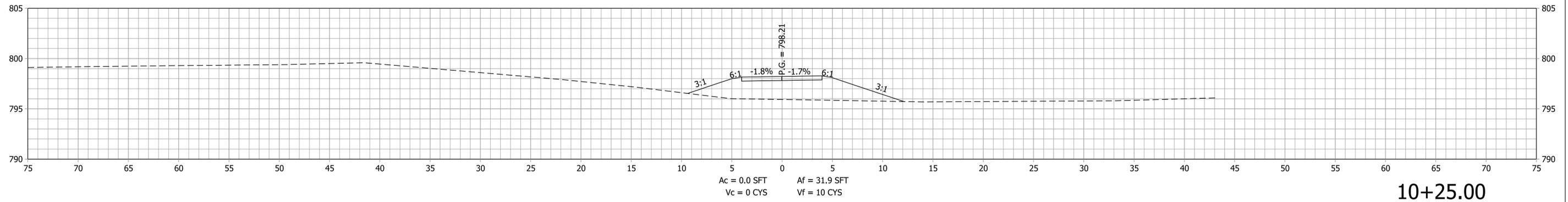
DESIGNED: LEA DRAWN: LEA

CHECKED: RLH CHECKED: RLH

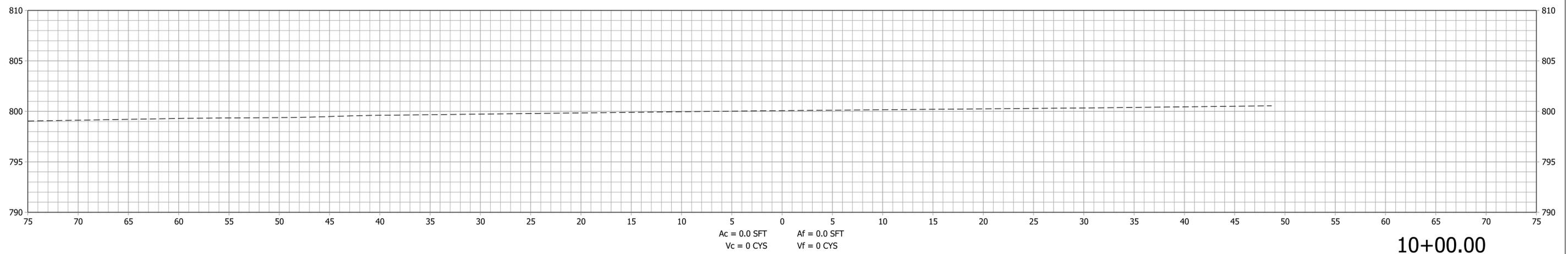
CITY OF BLOOMINGTON

TRAFFIC SUMMARY TABLES

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	30 of 33
CONTRACT	PROJECT



Begin Trail Construction



Plot: 11/17/2023 12:57 PM

IP_PWP:d0448721\Sht Cross Sections.dgn



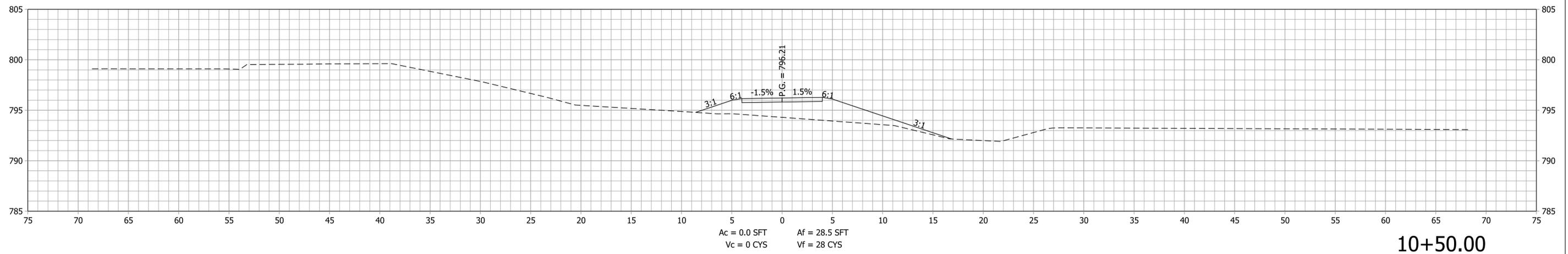
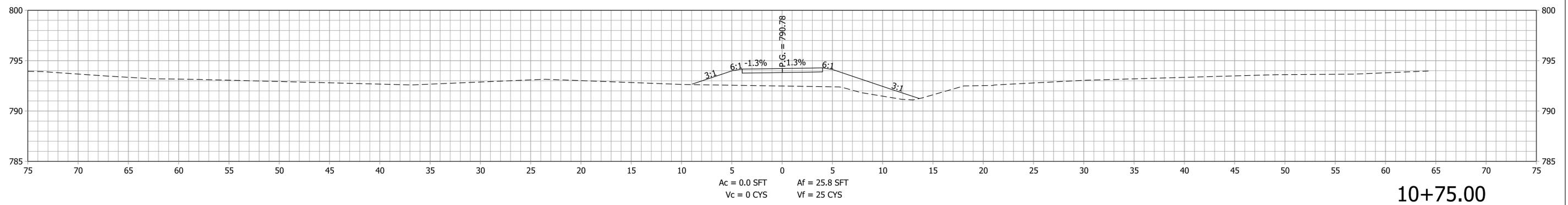
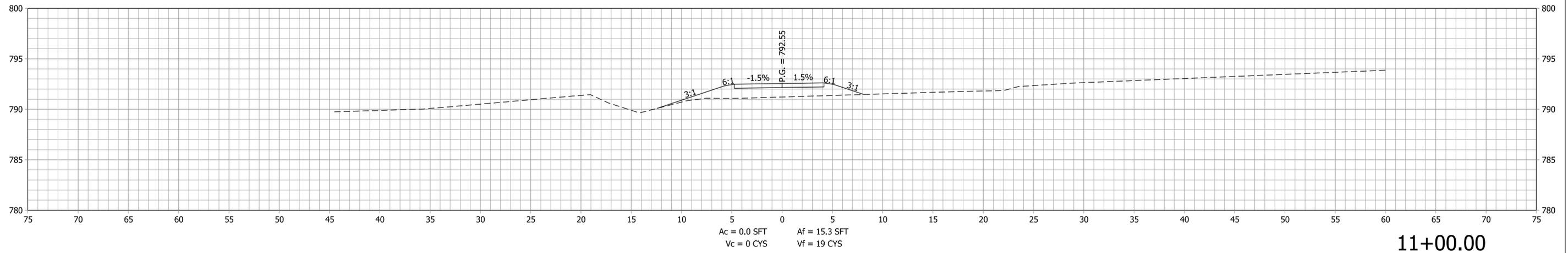
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	11/17/2023 DATE
DESIGNED: SAC _____	DRAWN: SAC _____	
CHECKED: BEA _____	CHECKED: BEA _____	

**CITY OF BLOOMINGTON
INDIANA**

**CROSS SECTIONS
LINE A**

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	31 of 33
	PROJECT

STA. 10+00.00 TO STA. 10+25.00



Plot: 11/17/2023 12:58 PM

IP_PWP:d0448721\Sht Cross Sections.dgn



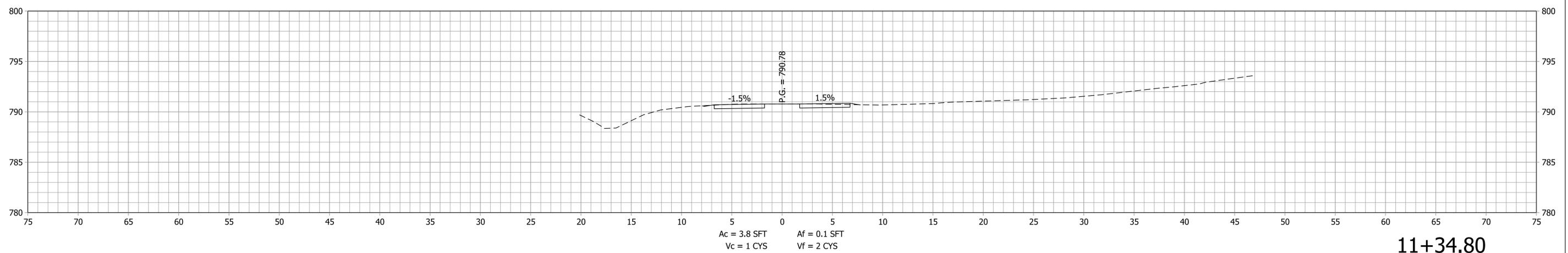
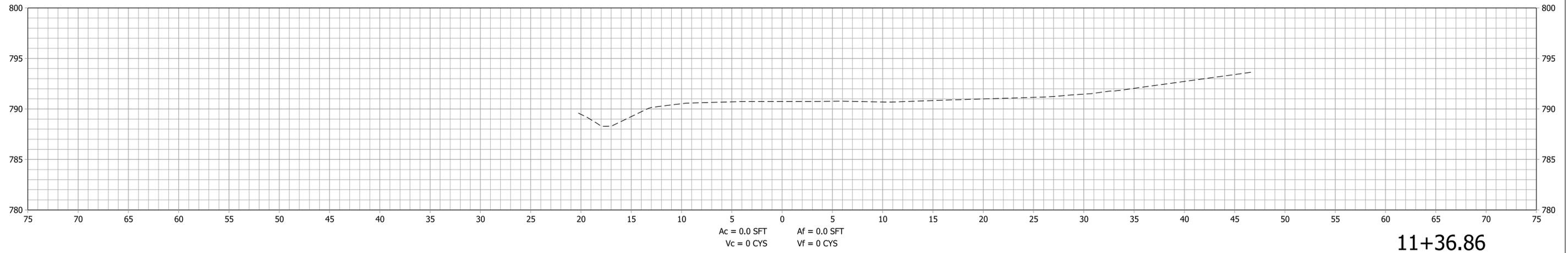
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	11/17/2023 DATE
DESIGNED: SAC _____	DRAWN: SAC _____	
CHECKED: BEA _____	CHECKED: BEA _____	

CITY OF BLOOMINGTON
INDIANA

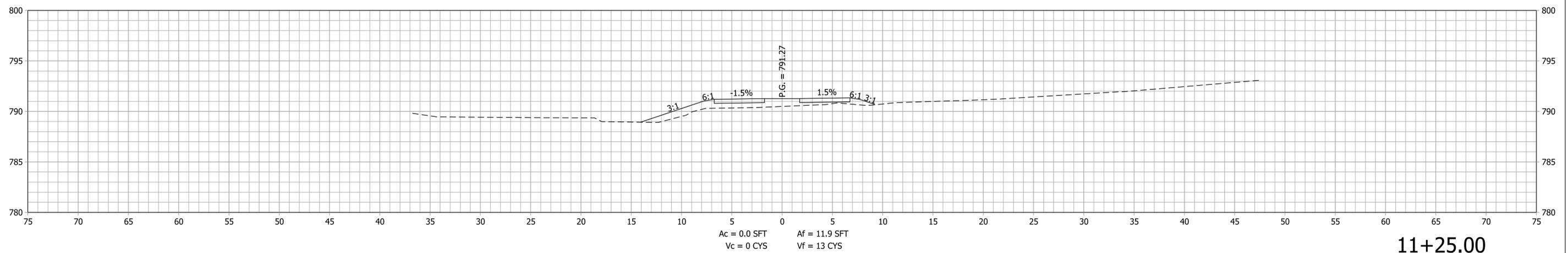
CROSS SECTIONS
LINE A

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	32 of 33
	PROJECT

STA. 10+50.00 TO STA. 11+00.00



End Trail Construction



Plot: 11/17/2023 12:58 PM

IP_PWP:d0448721\Sht Cross Sections.dgn



RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	11/17/2023 DATE
DESIGNED: SAC _____	DRAWN: SAC _____	
CHECKED: BEA _____	CHECKED: BEA _____	

CITY OF BLOOMINGTON
INDIANA

CROSS SECTIONS
LINE A

HORIZONTAL SCALE 1" = 5'	BRIDGE FILE
VERTICAL SCALE 1" = 5'	DESIGNATION
SURVEY BOOK	SHEETS
CONTRACT	33 of 33
	PROJECT

STA. 11+25.00 TO STA. 11+36.86