



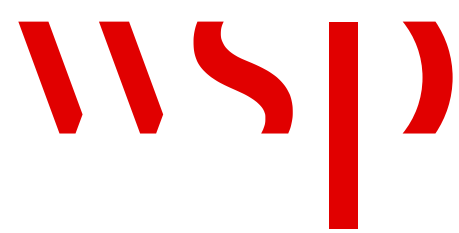
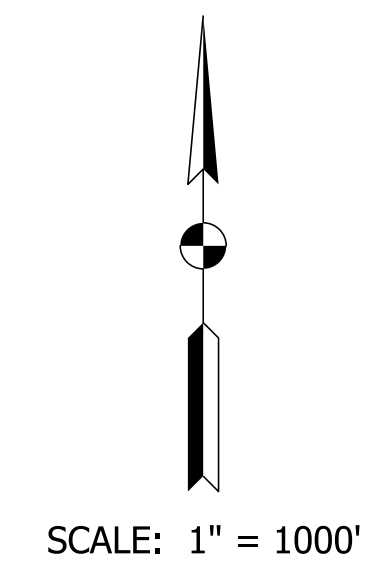
ROAD PLANS

BLOOMINGTON NEIGHBORHOOD GREENWAYS

PROJECT LOCATION SHOWN BY 

MONROE COUNTY

East Hillside Drive at South Olive Street
 South Olive Street: East Thornton Drive to South Oxford Drive
 South Oxford Drive: East Arden Drive to South High Street
 Section 9 & 10, T-8-N, R-1-W, Perry Township, Monroe County, Indiana



SURVEY BOOK	SHEETS		
	1	of	19
CONTRACT	PROJECT		

UTILITIES	
<u>COMMUNICATIONS</u> AT&T DISTRIBUTION Email: g09871@att.com CONSUL TECH TECHNOLOGIES 1441 S Fenbrook Ln, Suite #600 Bloomington, IN 47401 Phone: (812) 323 - 8324 COMCAST Rhonda Dalton 688 Industrial Dr. Elmhurst, IN 60126 Email: rhonda_dalton@comcast.com HOOSIER FIBER NETWORKS Malcomb Glover 200 S College Ave Bloomington, IN 47404 Phone: (812) 543-3222 Email: m.glover@hoosierfibernetworks.com INDIANA UNIVERSITY UTILITIES Mark Menefee 820 N Walnut Grove Bloomington, IN 47405 Email: mmenefee@indiana.edu SMITHVILLE FIBER Joe Bryniarski 1600 W Temperance St. Ellettsville, IN 47429 Phone: (812) 935-2262 Email: Joe.Bryniarski@smithville.com ZAYO Walyon Higgins 722 N High School Rd Indianapolis, IN 46214 Phone: (765) 341-1199 Email: waylon.higgins@zayo.com	<u>ELECTRIC</u> DUKE ENERGY - DISTRIBUTION Don McDuffy 2929 16th St. Bedford, IN 47421 Office: (317) 776-5320 Email: DEI-Dline-coord@duke-energy.com <u>GAS</u> CENTERPOINT ENERGY GAS DISTRIBUTION Jon Eastham 1800 W 26th St. Muncie, IN 47302 Office: (765) 287-2119 Email: publicproject@centerpointenergy.com <u>TRAFFIC/ITS</u> BLOOMINGTON TRAFFIC/ITS FIBER Freddie Love 1981 S Henderson St Bloomington, IN 47401 Office: (812) 349-3834 Email: freddie.love@bloomington.in.gov
<u>WATER & SANITARY SEWER</u> CITY OF BLOOMINGTON UTILITIES Jane Fleig 600 E Miller Dr Bloomington, IN 47402 Office: (812) 349-3631 Email: fleigj@bloomington.in.gov	

[illegible]

GENERAL NOTES	
	All earth shoulders, median areas, and cut and fill slopes shall be plain or mulch seeded except where sodding is specified.
	The final cross sections of the grading contract will be the original cross sections of the paving contract. However, partial or complete cross sections shall be taken if necessary to determine the actual excavation quantities.
	The paper relocation will be cross sectioned by the Engineer before construction.
	Existing asphalt pavement located outside the construction limits, between Sta. ____ and Sta. ____ shall be removed as directed.
	The quantity of peat excavation shown on the plans has been estimated on the basis of theoretical cross sections by using treatment of existing fills, treatment by removal, or treatment by displacement, where each treatment applies.

X Represents General Notes to be included in the Project.

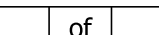


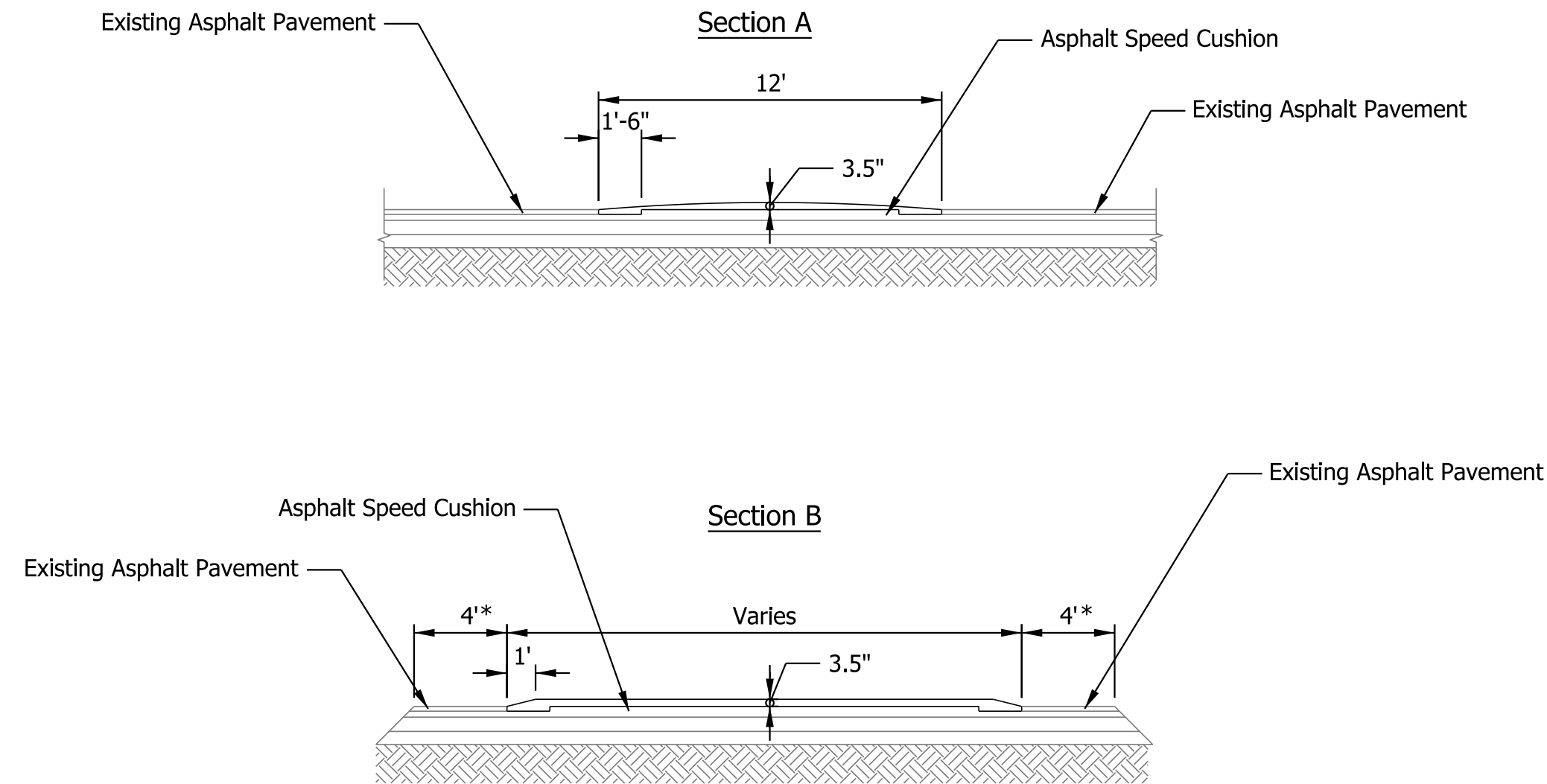
Per Indiana State Law IC-8-1-26-16, It is against the law to excavate without notifying in the underground location service two (2) full working days before commencing work.

INDIANA UNDERGROUND
1-800-382-5544 OR CALL 811
24 HOURS A DAY 7 DAYS A WEEK

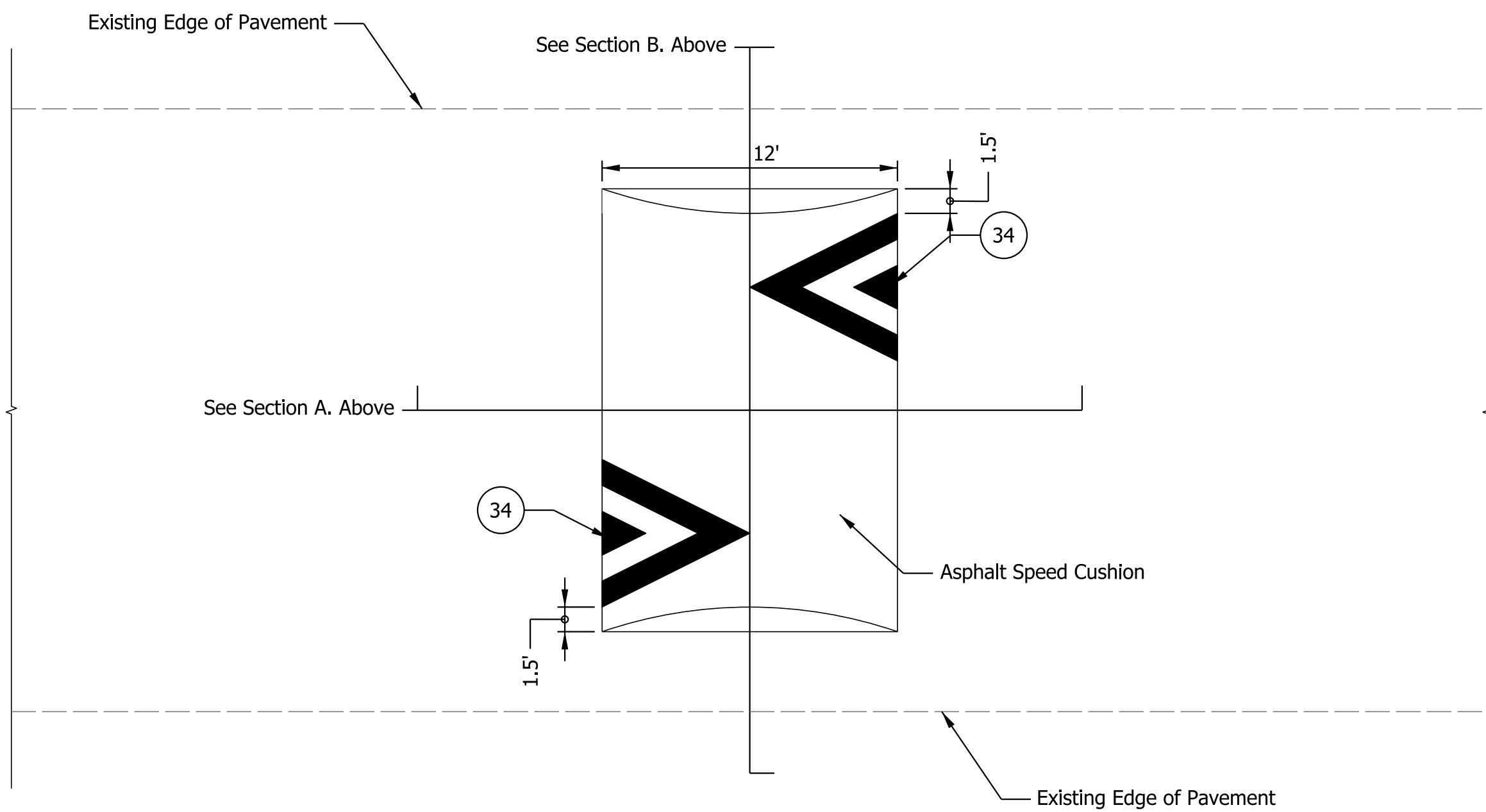
Note: Utility Locations are not shown. The contractor shall field verify existing utility locations prior to commencing work.

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SHEET NO.	DRAWINGS INDEX
1	TITLE
2	INDEX AND GENERAL NOTES
3-4	SPEED CUSHION DETAILS
5	MISC. DETAILS
6-9	MAINTENANCE OF TRAFFIC
10-18	PLAN SHEETS
19	TRAFFIC SUMMARY TABLES



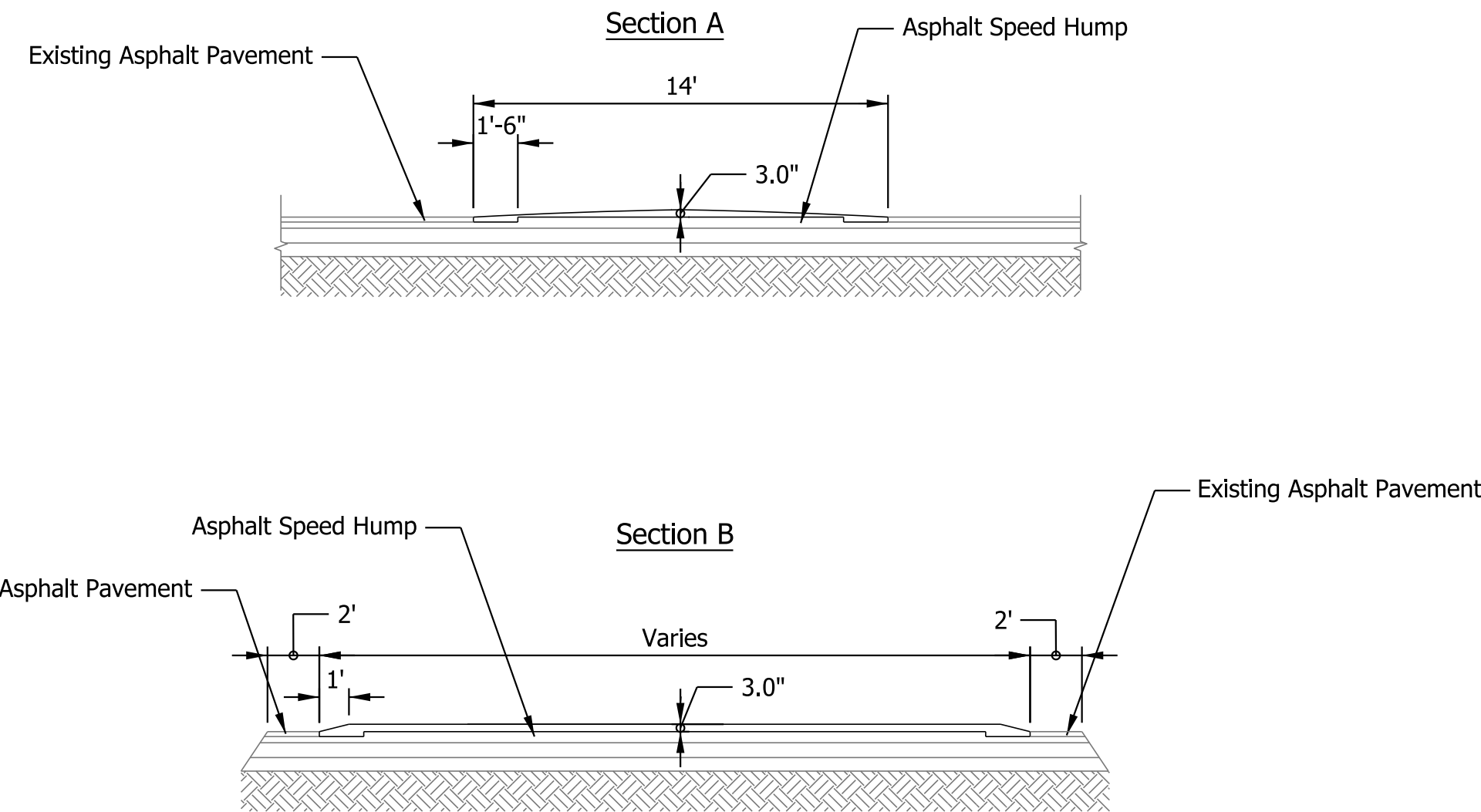


SC1 Asphalt Speed Cushion - Section

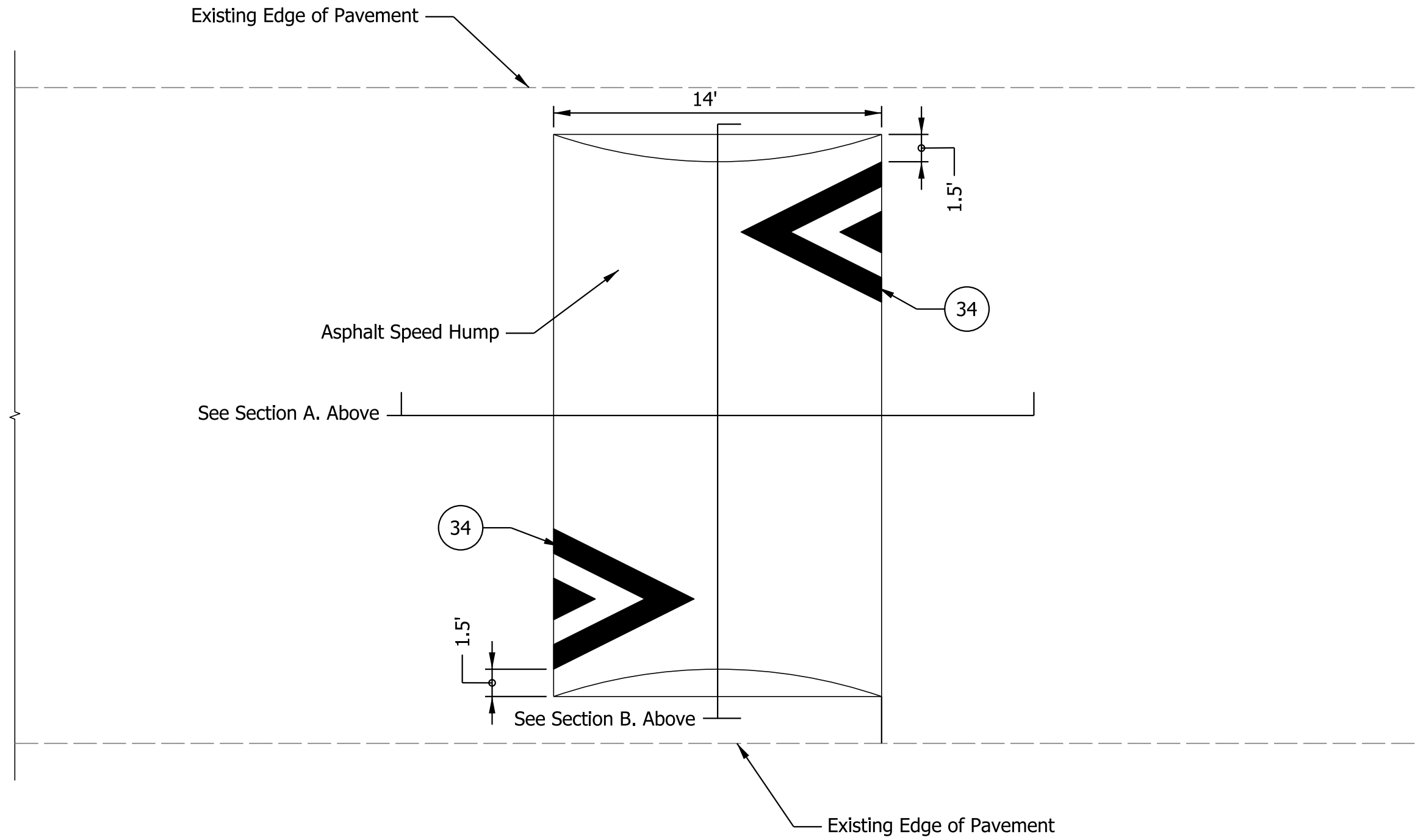


SC1 Asphalt Speed Cushion - Plan

General Notes:
1.* For the Speed Cushion installed East of the Intersection of Arden Drive and Windsor Drive, the edge of the Speed Cushion shall be located 5' from the Face of Curb.



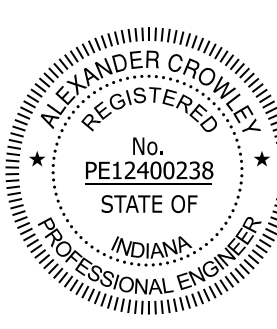
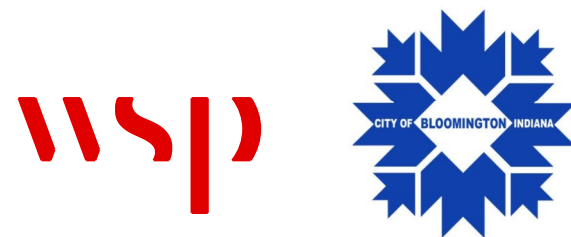
SH1 Asphalt Speed Hump - Section



SH1 Asphalt Speed Hump - Plan

LEGEND

34 Speed Cushion Markings



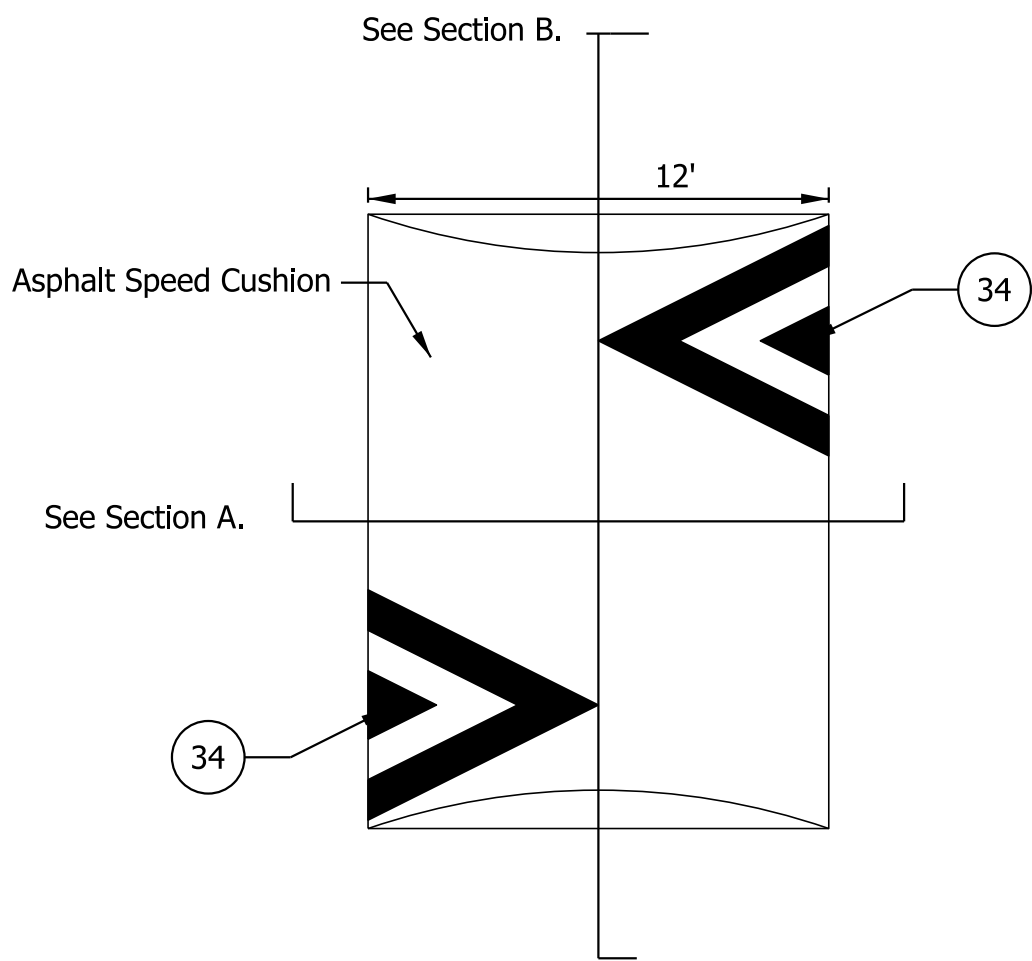
RECOMMENDED FOR APPROVAL		11/06/24
DESIGNED: AJC	DRAWN: AJC	DATE
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON

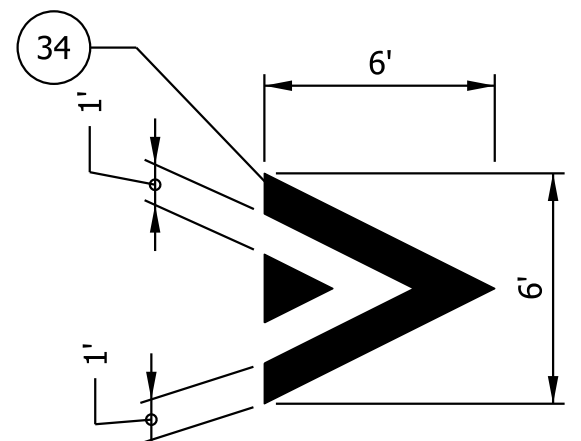
SPEED CUSHION DETAILS

HORIZONTAL SCALE	BRIDGE FILE
N/A	
VERTICAL SCALE	DESIGNATION
N/A	
SURVEY BOOK	SHEETS
	3 of 19
CONTRACT	PROJECT

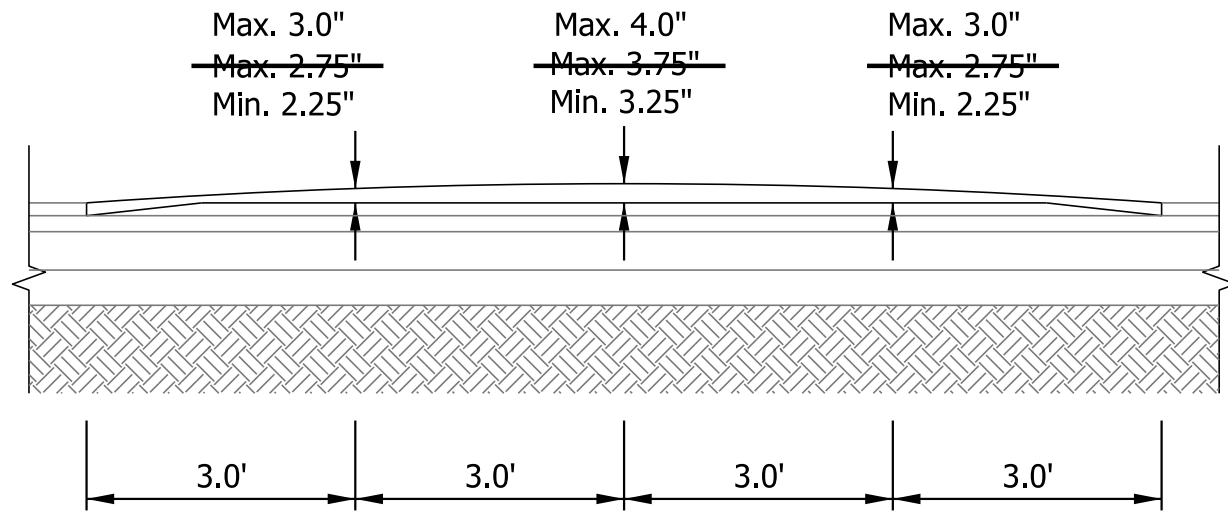
Note: Speed cushions/humps typically span the crown of the roadway and may encounter other pavement irregularities. The maximum height tolerances in this detail have been increased to allow flexibility in achieving the desired profile. The minimum height tolerances remain unchanged. The height details remain unchanged.



Speed Cushion Plan View

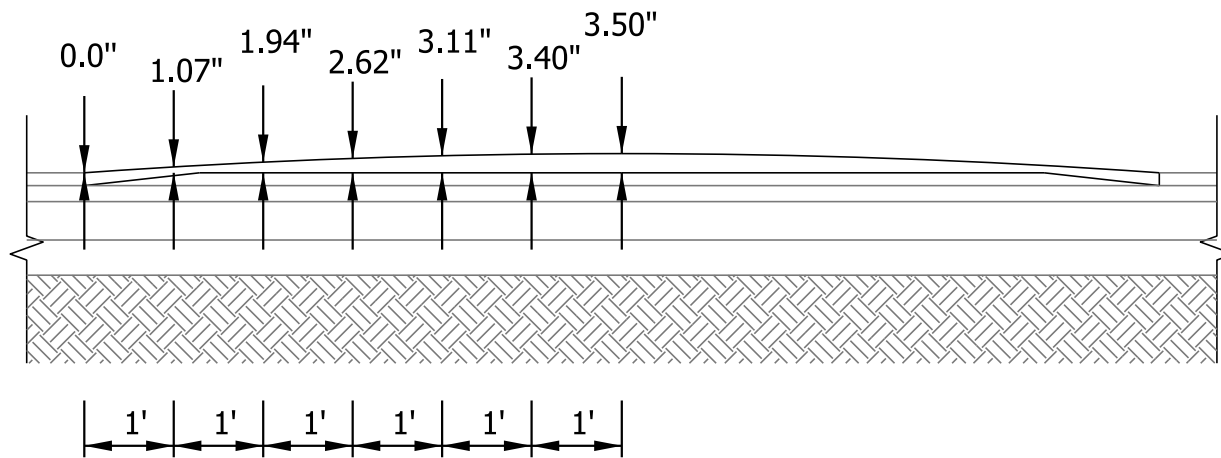


Speed Cushion Markings



Allowed Height Tolerance Section A

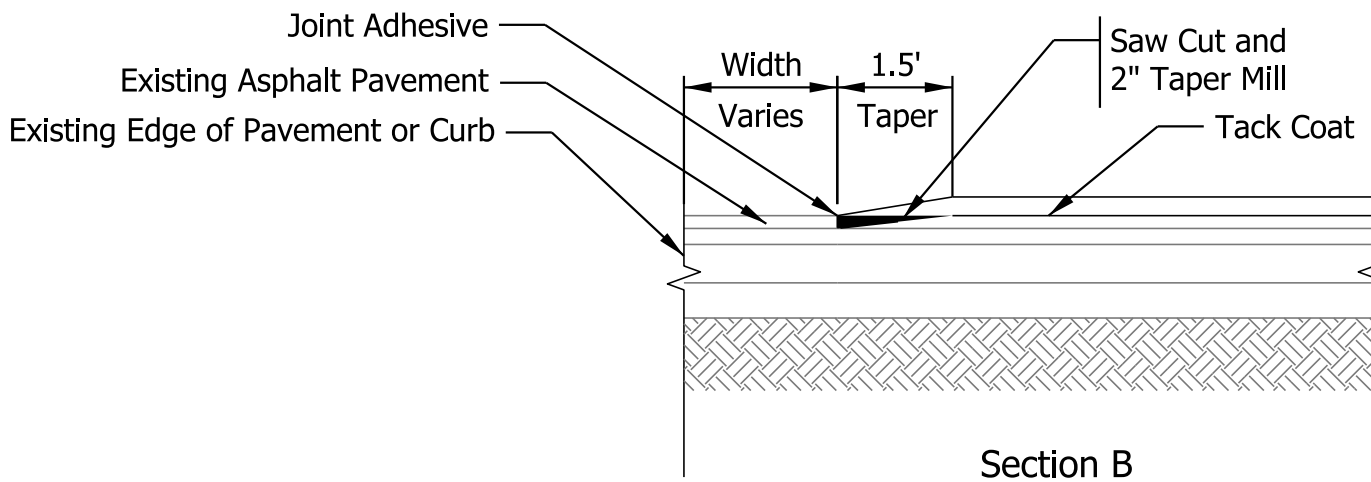
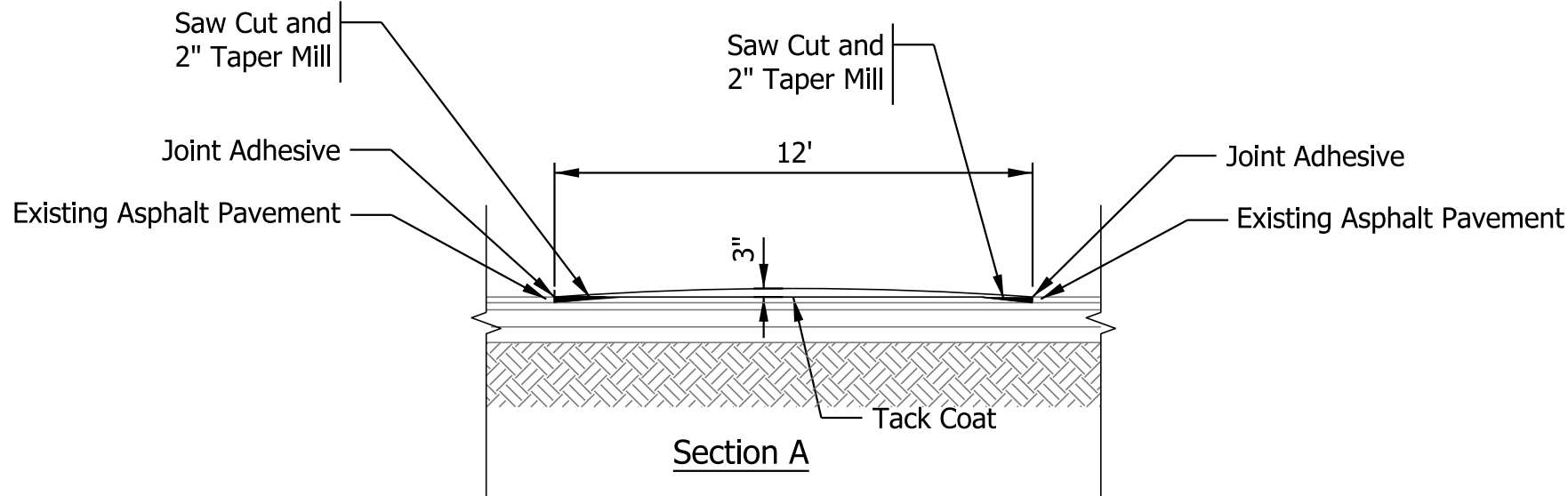
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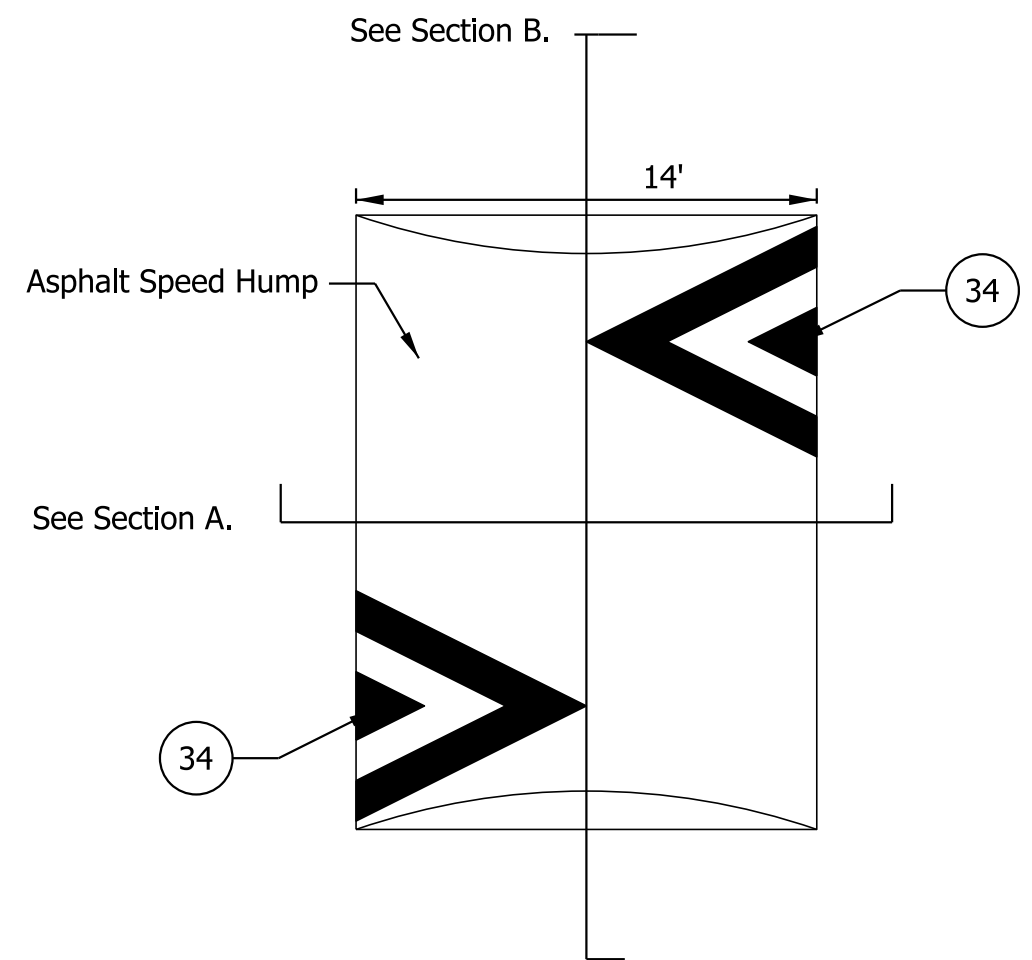
Height Details Section A

(Not to Scale)

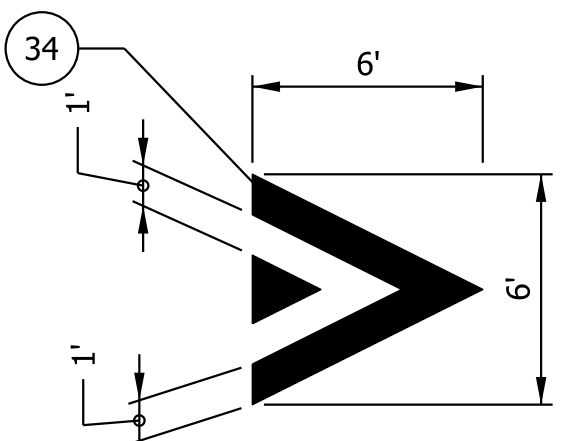
12' Speed Cushion Details



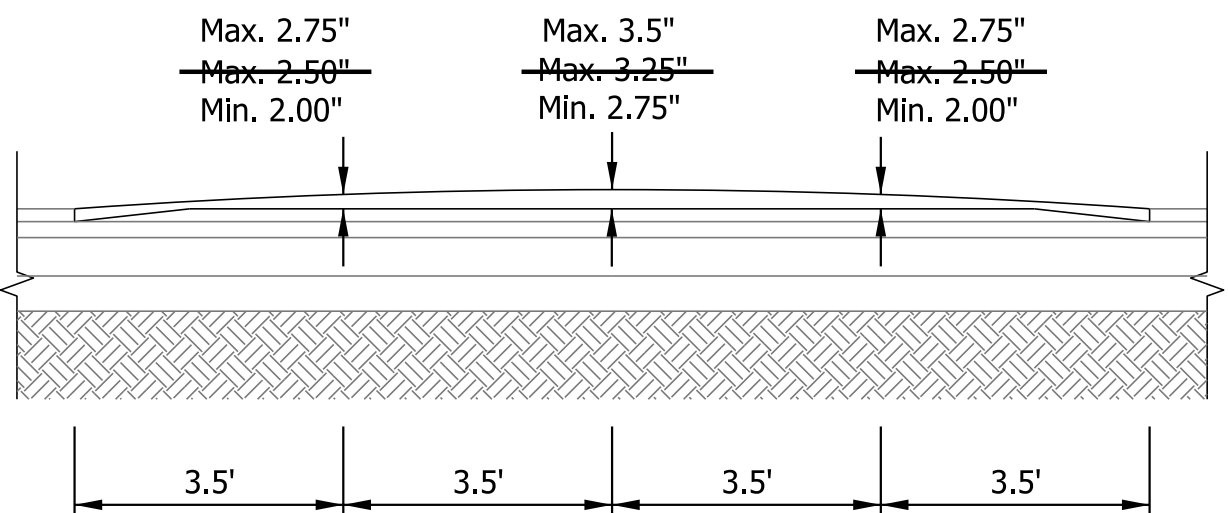
Note: Speed cushions/humps typically span the crown of the roadway and may encounter other pavement irregularities. The maximum height tolerances in this detail have been increased to allow flexibility in achieving the desired profile. The minimum height tolerances remain unchanged. The height details remain unchanged.



Speed Hump Plan View

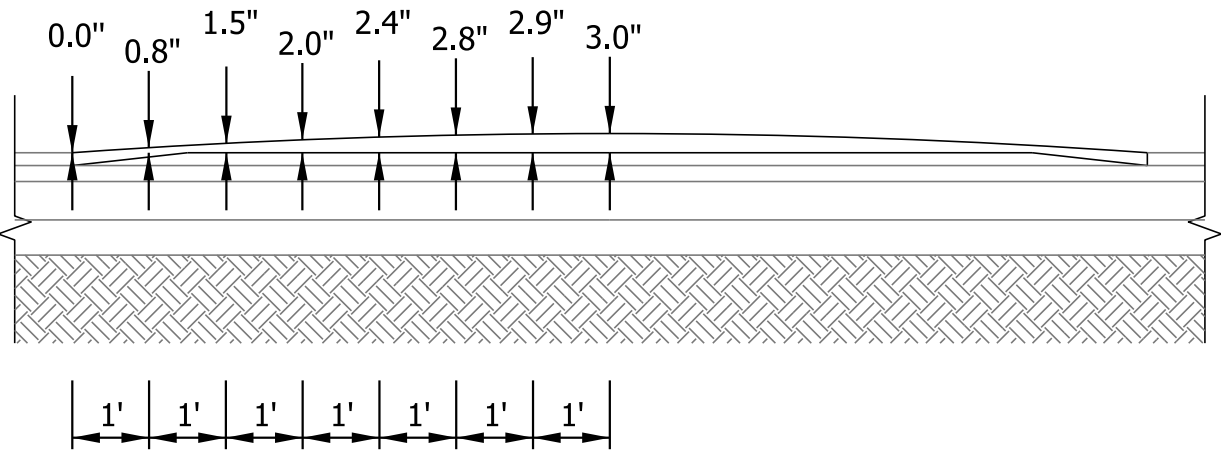


Speed Hump Markings



Allowed Height Tolerance Section A

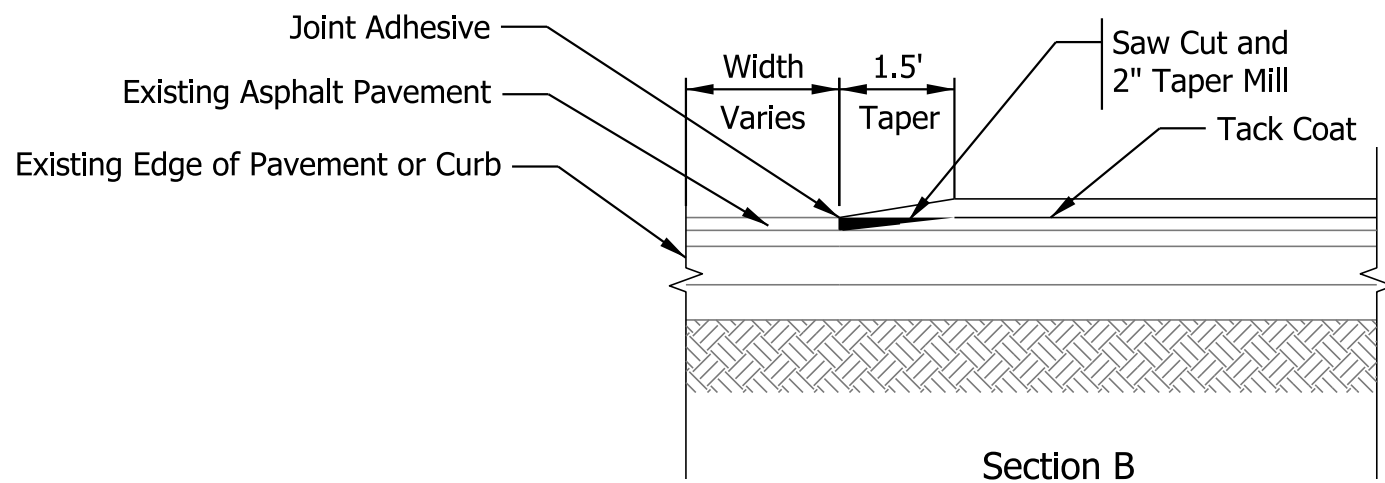
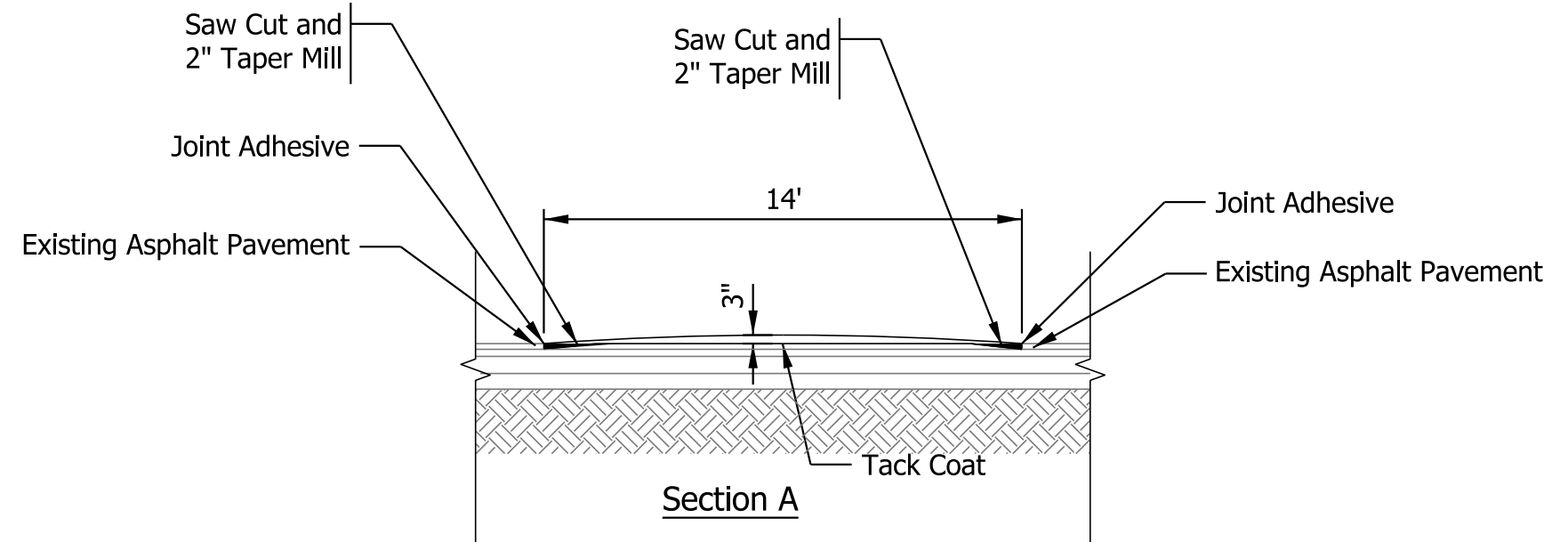
(Not to Scale)



Height Details Section A

(Not to Scale)

14' Speed Hump Details



LEGEND

34 Speed Cushion Markings



RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

11/06/24

DATE

DESIGNED: AJC

DRAWN: AJC

CHECKED: BEA

CHECKED: BEA

CITY OF BLOOMINGTON

SPEED CUSHION DETAILS

HORIZONTAL SCALE

N/A

VERTICAL SCALE

N/A

SURVEY BOOK

CONTRACT

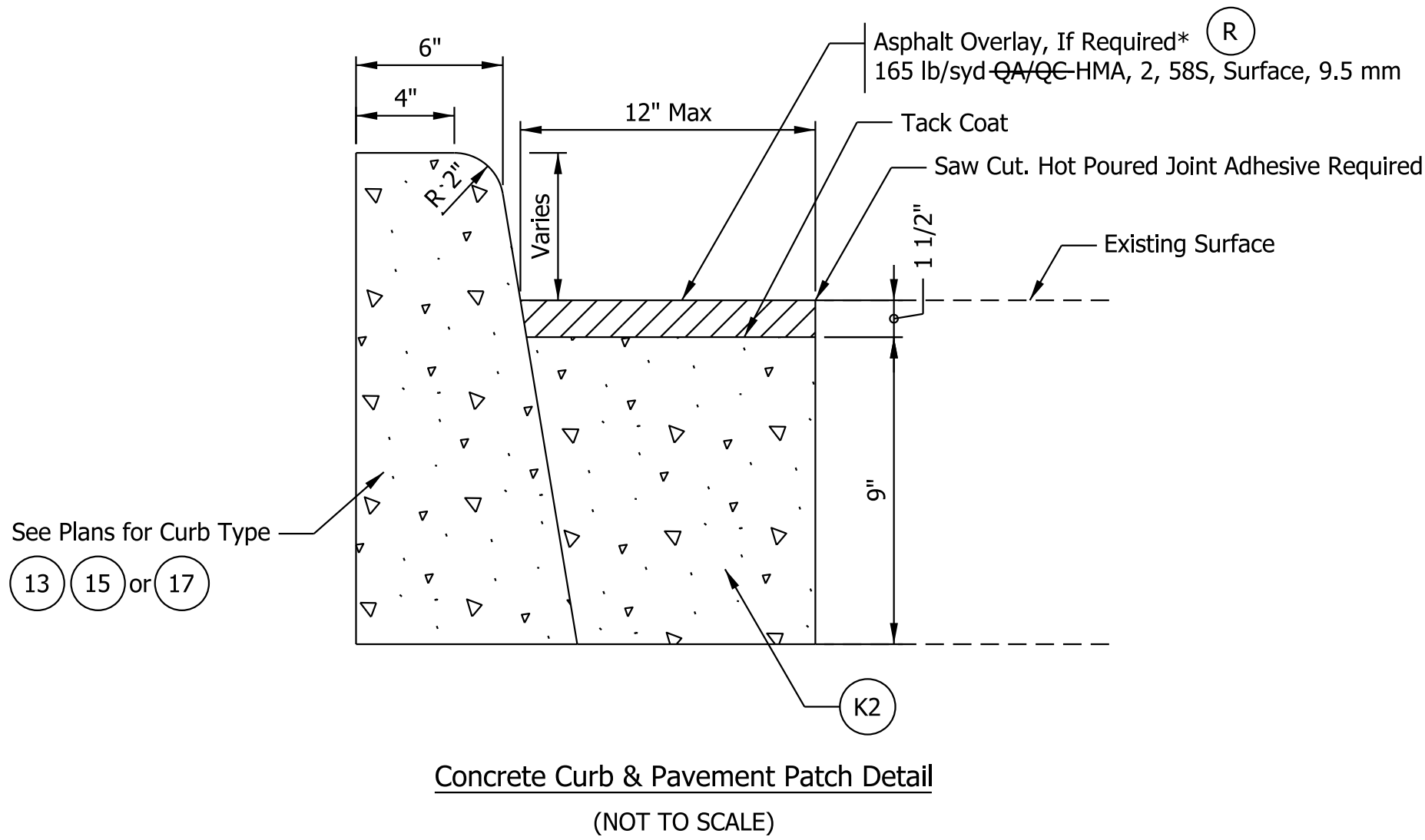
BRIDGE FILE

DESIGNATION

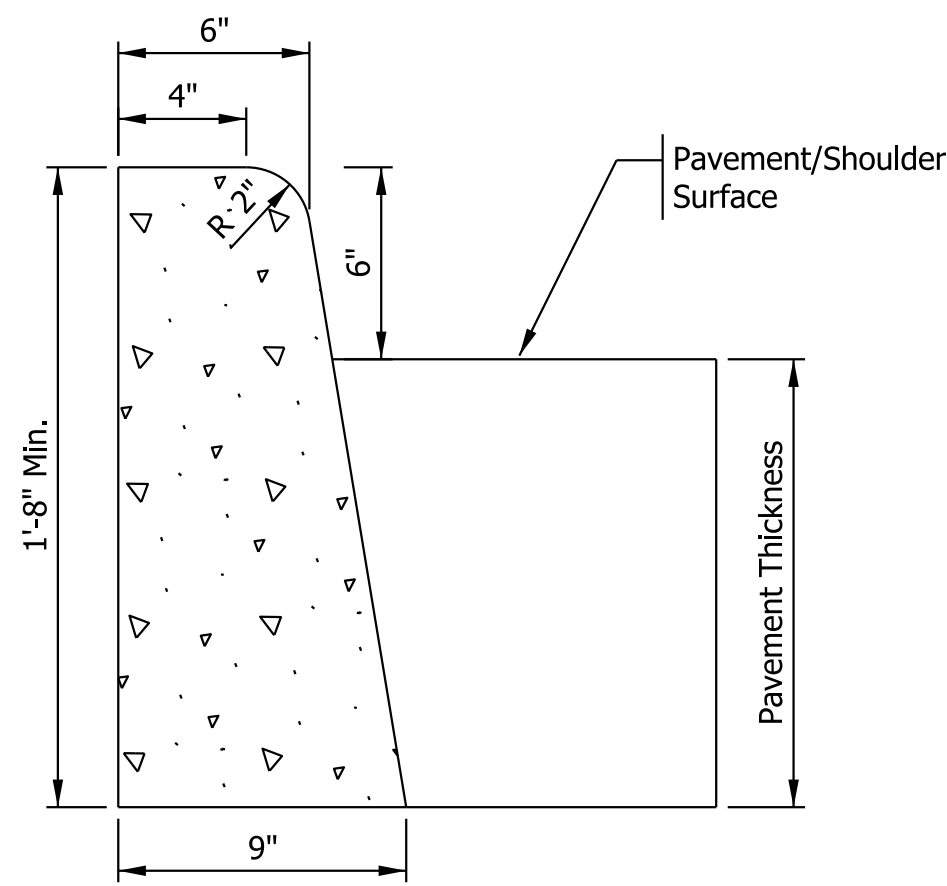
SHEETS

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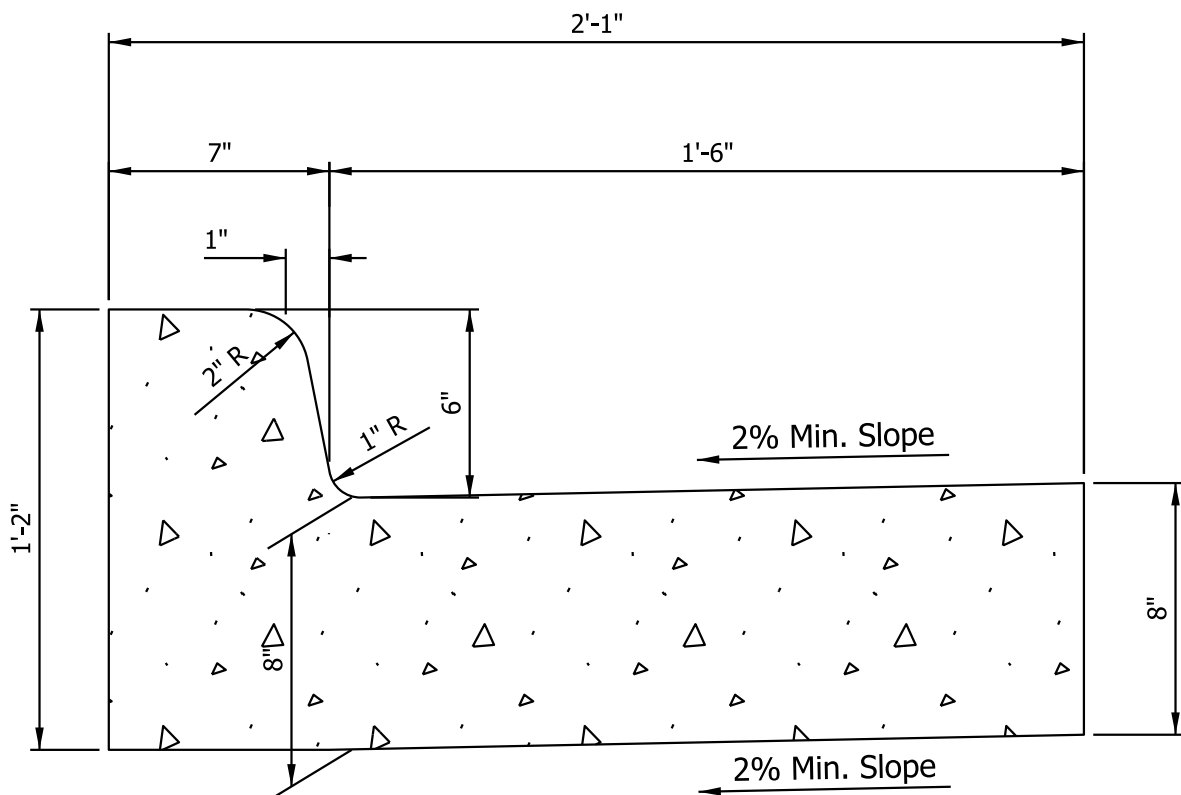
PROJECT



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 at the intersection of Thornton Dr. and Olive St. Asphalt Overlay is not required at the intersections of Thornton Dr. and Highland Ave., Thornton Dr. and Oxford Dr., and Arden Dr. and Windsor Dr. 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.



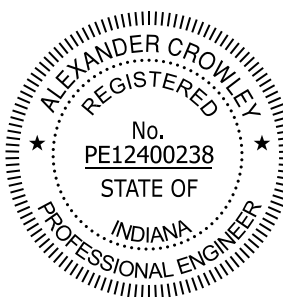
13 Curb, Concrete Detail
(NOT TO SCALE)



15 Curb and Gutter, Concrete Detail
(NOT TO SCALE)

LEGEND

- (K2) PCC Base Patching, 9 IN.
- (R) Asphalt Overlay, If Necessary
165 lb/syd QA/QC-HMA, 2, 58S, Surface, 9.5 mm



RECOMMENDED
FOR APPROVAL

[Signature]
DESIGN ENGINEER

11/06/24
DATE

DESIGNED: AJC

DRAWN: AJC

CHECKED: BEA

CHECKED: BEA

CITY OF BLOOMINGTON

MISC. DETAILS

HORIZONTAL SCALE

N/A

VERTICAL SCALE

N/A

SURVEY BOOK

CONTRACT

BRIDGE FILE

DESIGNATION

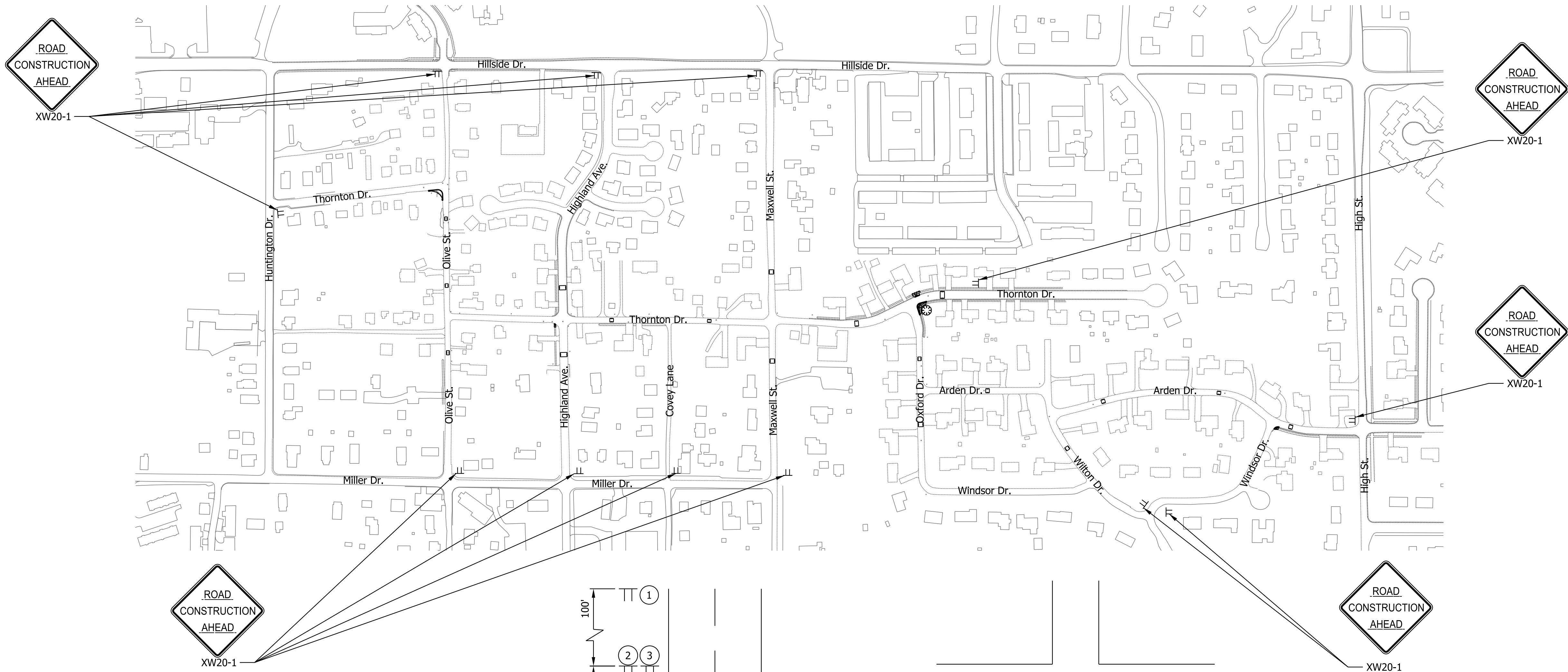
SHEETS

5

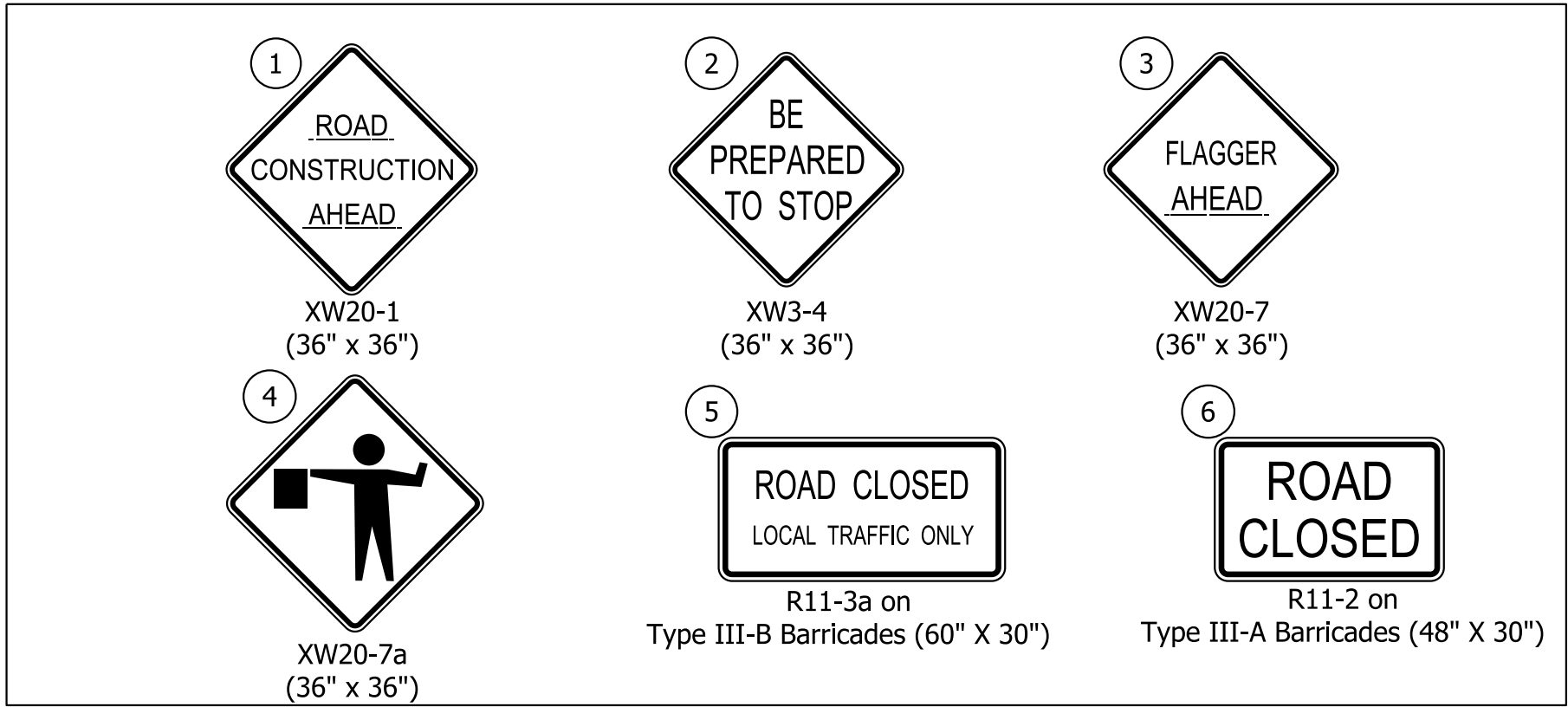
of

19

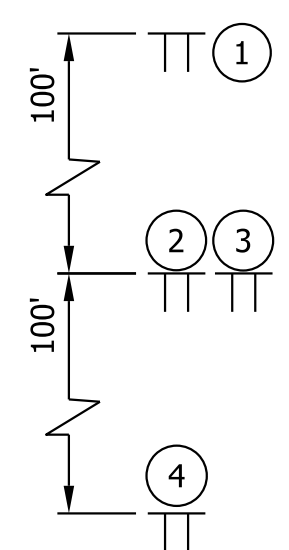
PROJECT



CONSTRUCTION SIGN AND BARRICADE SUMMARY		TOTAL
ITEM	UNIT	ALL PROJECT
*Barricade, III-A	LFT	48
*Barricade, III-B	LFT	48
*Road Closure Sign Assembly	EACH	4
*Construction Signs, A		
*Road Construction Ahead - XW20-1	EACH	12
*Be Prepared To Stop - XW3-4	EACH	2
*Flagger Ahead - XW20-7	EACH	2
*Flagger - XW20-7a	EACH	2
Total		18
*Paid in the LS pay item (801-06775) for Maintaining Traffic		

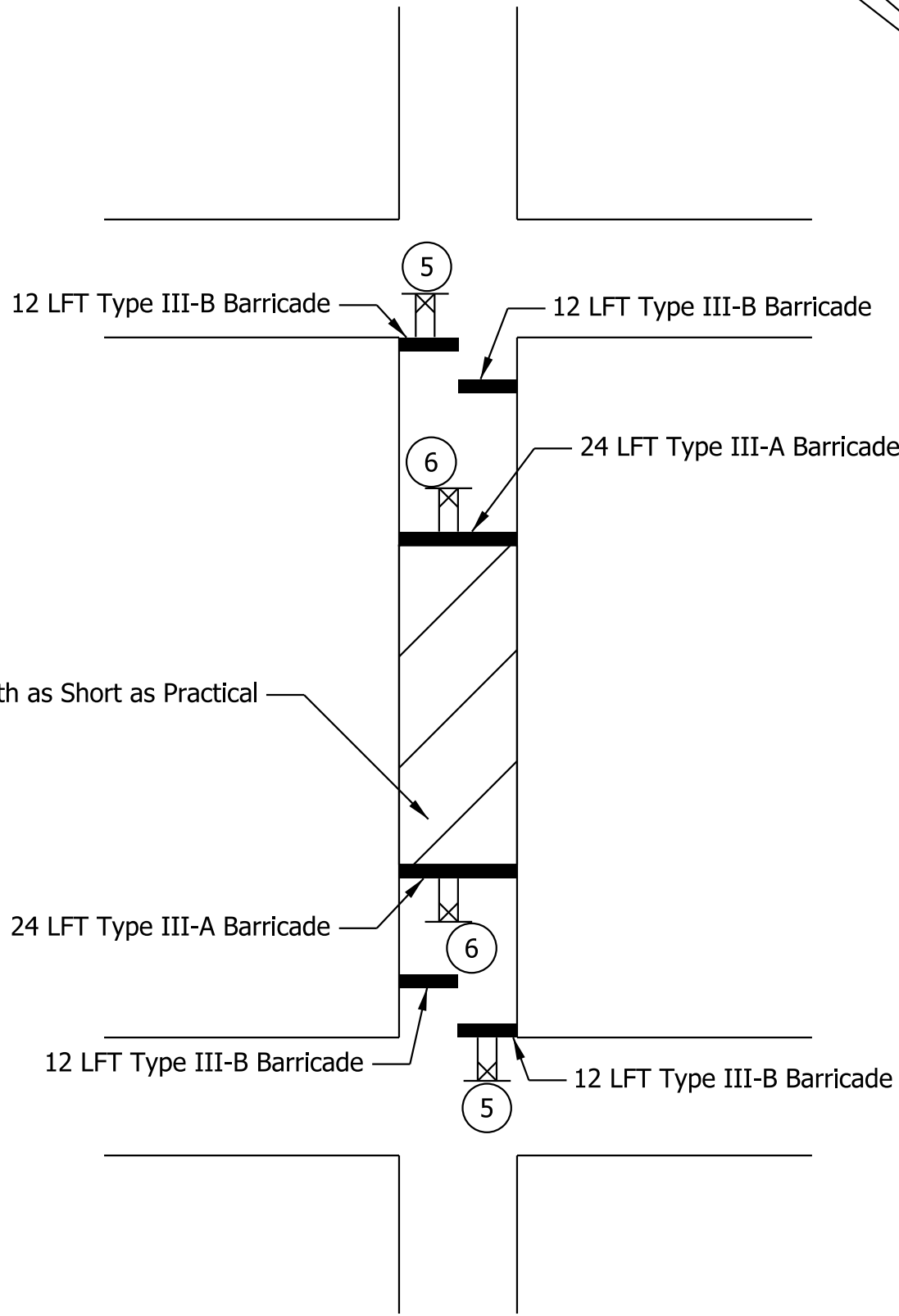


Note: Distances shall be adjusted to field conditions where space is limited.



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
NOT TO SCALE

GENERAL REQUIREMENTS:

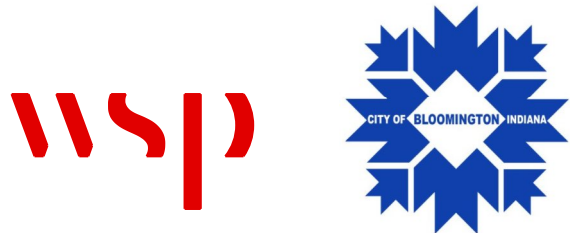
1. Flagger operations and temporary signage in accordance with Indiana Manual of Uniform Traffic Control Devices are required for all lane restrictions.
2. All signs to be mounted on standards.
3. All signs, barricades and drums to be mounted with a Type C (Steady Burn) warning light and maintained dusk 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 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.

LEGEND

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



RECOMMENDED FOR APPROVAL		11/06/24 DATE
DESIGNED: AJC	DRAWN: AJC	
CHECKED: BEA	CHECKED: BEA	

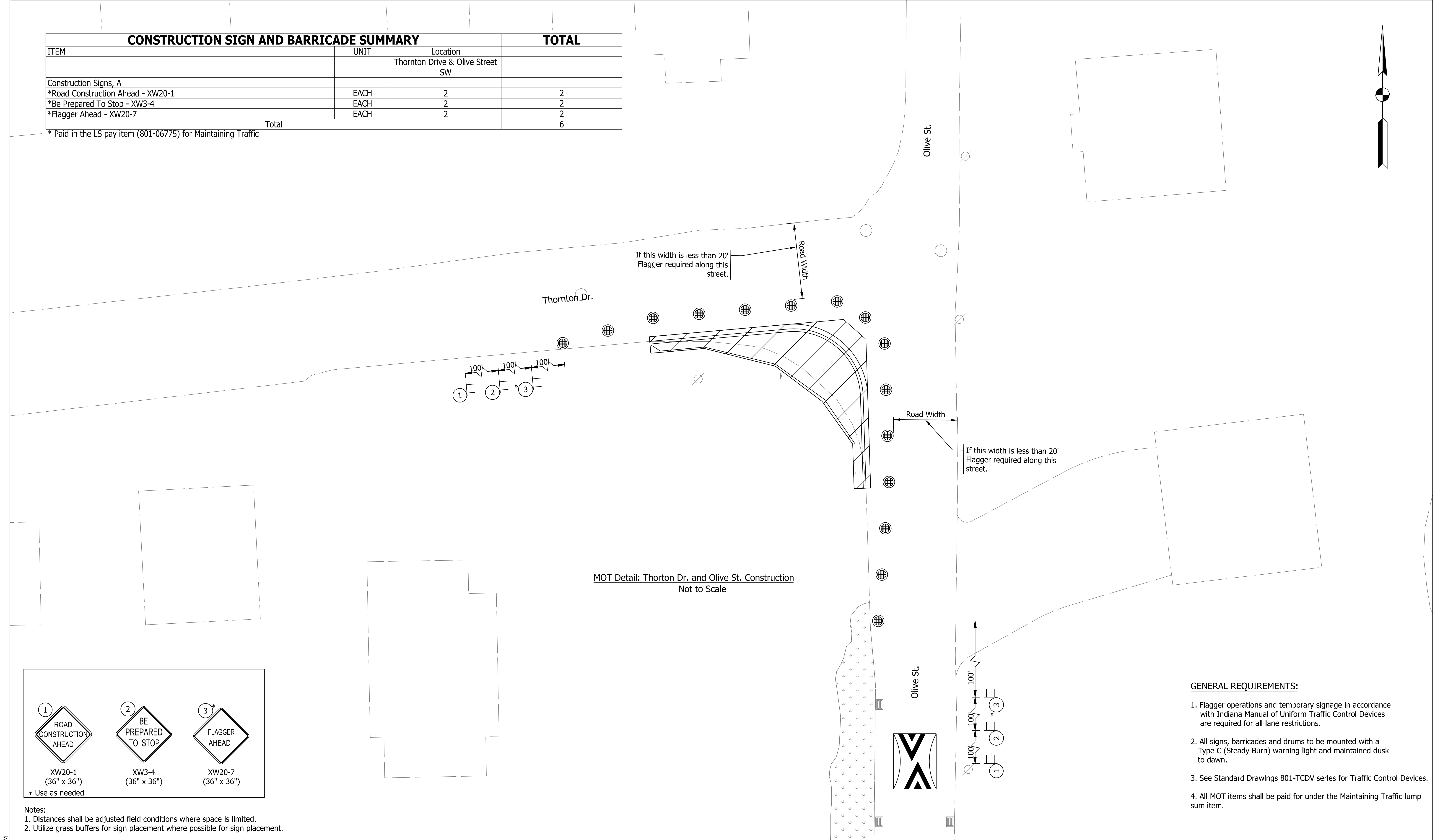
CITY OF BLOOMINGTON

MAINTENANCE OF TRAFFIC DETAILS

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

CONSTRUCTION SIGN AND BARRICADE SUMMARY			TOTAL
ITEM	UNIT	Location	
		Thornton Drive & Olive Street SW	
Construction Signs, A			
*Road Construction Ahead - XW20-1	EACH	2	2
*Be Prepared To Stop - XW3-4	EACH	2	2
*Flagger Ahead - XW20-7	EACH	2	2
Total			6

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



MOT Detail: Thorton Dr. and Olive St. Construction
Not to Scale

1

ROAD
CONSTRUCTION
AHEAD

XW20-1
(36" x 36")
* Use as needed

2

BE
PREPARED
TO STOP

XW3-4
(36" x 36")

3*

FLAGGER
AHEAD

XW20-7
(36" x 36")

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

- 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.

LEGEND

Construction Signs

Work Zone

Traffic Barricade

Channelizing Device

NOTE:

Type II Barricades to be detectable

WSP

STATE OF INDIANA

REGISTERED

No. PE12400238

STATE OF INDIANA

PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

11/06/24

DATE

DESIGNED: AJC

CHECKED: BEA

DRAWN: AJC

CHECKED: BEA

CITY OF BLOOMINGTON

MAINTENANCE OF TRAFFIC DETAILS

HORIZONTAL SCALE

N/A

VERTICAL SCALE

N/A

SURVEY BOOK

CONTRACT

BRIDGE FILE

DESIGNATION

SHEETS

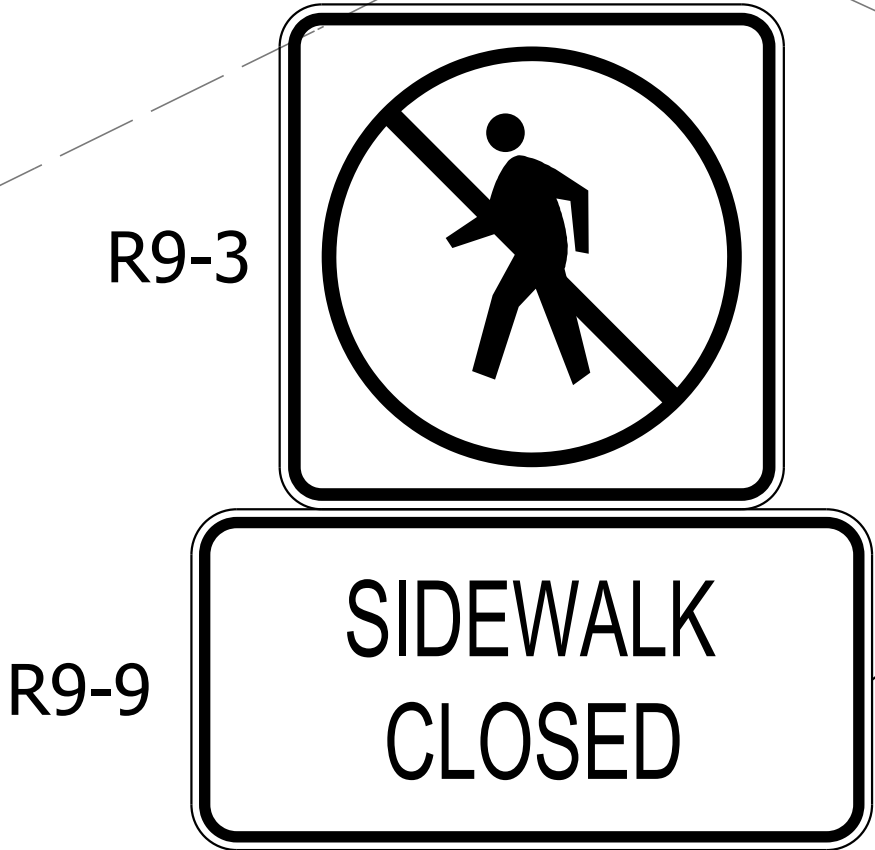
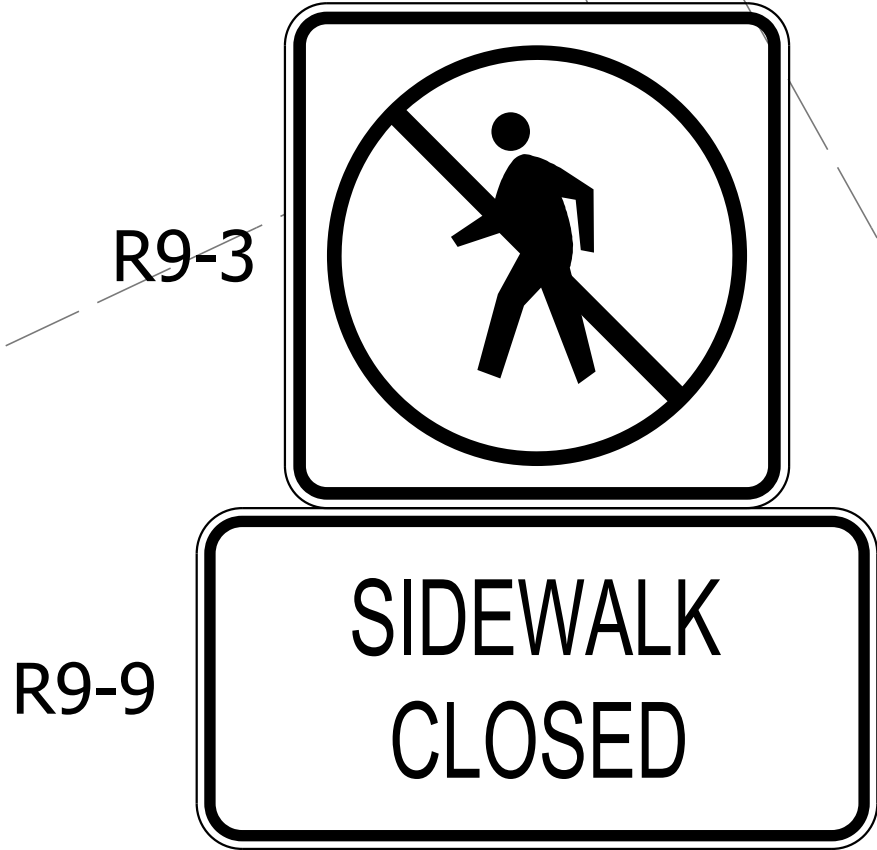
7 of 19

PROJECT

Plot: 11/5/2024 10:48 AM

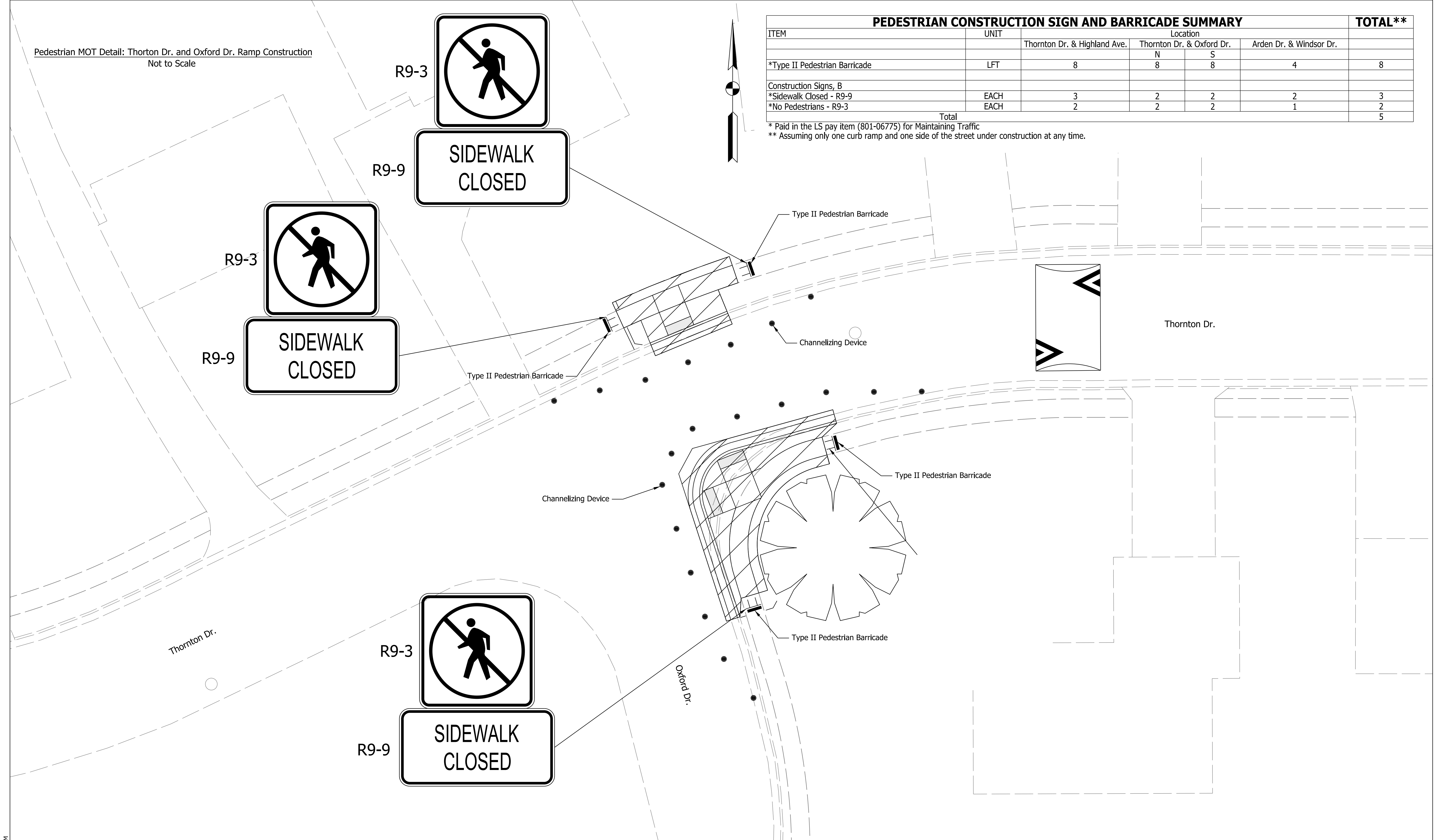
IP_PWP:d0479820\Shrt RD MOT Detail.dgn

Pedestrian MOT Detail: Thorton Dr. and Oxford Dr. Ramp Construction
Not to Scale



PEDESTRIAN CONSTRUCTION SIGN AND BARRICADE SUMMARY						TOTAL**
ITEM	UNIT	Location				
		Thornton Dr. & Highland Ave.	Thornton Dr. & Oxford Dr.	Arden Dr. & Windsor Dr.		
		N	S			
*Type II Pedestrian Barricade	LFT	8	8	4		8
Construction Signs, B						
*Sidewalk Closed - R9-9	EACH	3	2	2	2	3
*No Pedestrians - R9-3	EACH	2	2	2	1	2
Total						5

* 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.



LEGEND

Construction Signs

Work Zone

Traffic Barricade

Channelizing Device

NOTE:

Type II Barricades to be detectable

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

11/06/24

DATE

DESIGNED: AJC

DRAWN: AJC

CHECKED: BEA

CHECKED: BEA

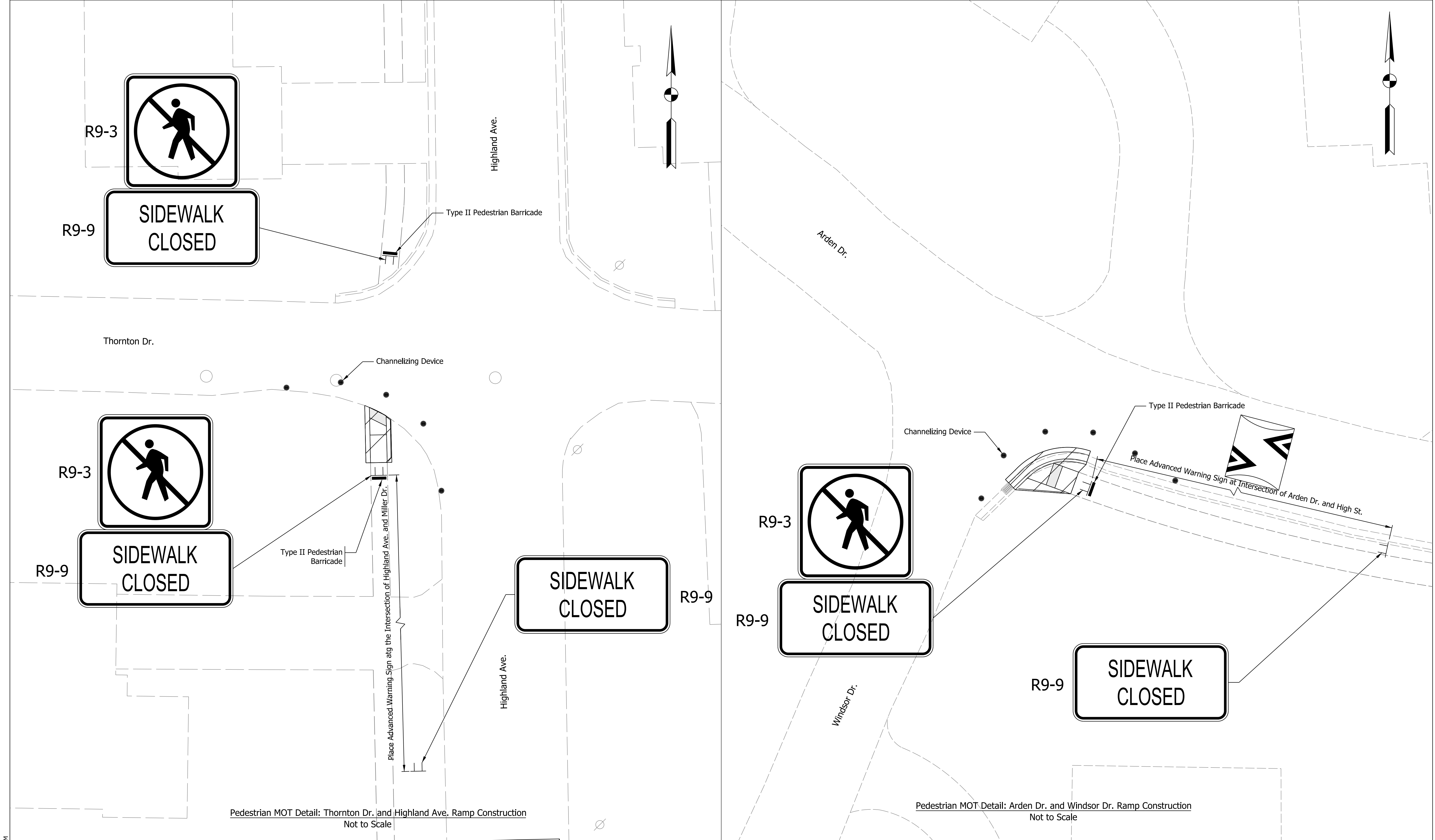
CITY OF BLOOMINGTON

MAINTENANCE OF TRAFFIC DETAILS

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

Plot: 11/5/2024 10:49 AM

IP_PWP:d0479820\Sht Ped MOT.dgn



LEGEND

Construction Signs

Work Zone

Traffic Barricade

Channelizing Device

NOTE:

Type II Barricades to be detectable

WSP

CITY OF BLOOMINGTON

ALEXANDER CROWLEY

REGISTERED

No. PE12400238

STATE OF INDIANA

PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

11/06/24

DATE

DESIGNED: AJC

DRAWN: AJC

CHECKED: BEA

CHECKED: BEA

CITY OF BLOOMINGTON

MAINTENANCE OF TRAFFIC DETAILS

HORIZONTAL SCALE

N/A

VERTICAL SCALE

N/A

SURVEY BOOK

CONTRACT

BRIDGE FILE

DESIGNATION

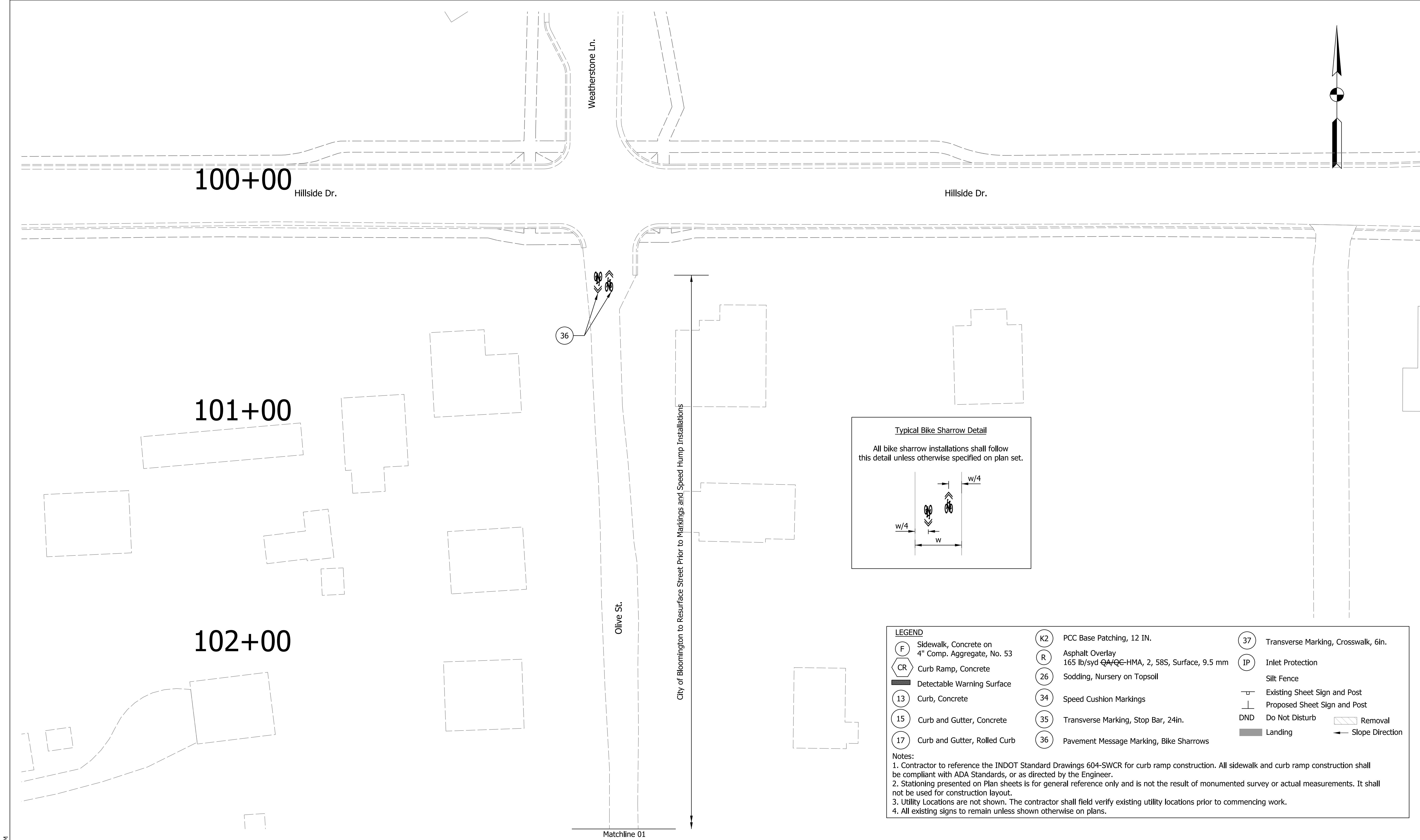
SHEETS

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PROJECT

Plot: 11/5/2024 10:49 AM

IP_PWP:d0479820\Sht Ped MOT_02.dgn



LEGEND

F

Sidewalk, Concrete on 4" Comp. Aggregate, No. 53

CR

Curb Ramp, Concrete

Detectable Warning Surface

13

Curb, Concrete

15

Curb and Gutter, Concrete

17

Curb and Gutter, Rolled Curb

K2

PCC Base Patching, 12 IN.

R

Asphalt Overlay 165 lb/syd QAC-HMA, 2, 58S, Surface, 9.5 mm

26

Sodding, Nursery on Topsoil

34

Speed Cushion Markings

35

Transverse Marking, Stop Bar, 24in.

36

Pavement Message Marking, Bike Sharrows

37

Transverse Marking, Crosswalk, 6in.

IP

Inlet Protection

Silt Fence

Existing Sheet Sign and Post

Proposed Sheet Sign and Post

DND

Do Not Disturb

Landing

Removal

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.

3. Utility Locations are not shown. The contractor shall field verify existing utility locations prior to commencing work.

4. All existing signs to remain unless shown otherwise on plans.

Plot: 11/6/2024 12:41 PM

IP_PWP:d0479820\Sht Plan 00.dgn

wsp

CITY OF BLOOMINGTON

ALEXANDER CROWLEY
REGISTERED
No. PE12400238
STATE OF INDIANA
PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER

11/06/24

DATE

DESIGNED: AJC

DRAWN: AJC

CHECKED: BEA

CHECKED: BEA

CITY OF BLOOMINGTON

BLOOMINGTON GREENWAYS PLAN

HORIZONTAL SCALE
1" = 20'

VERTICAL SCALE
N/A

SURVEY BOOK

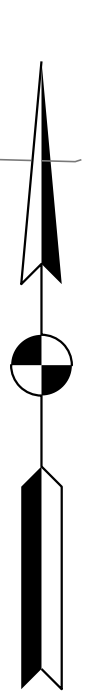
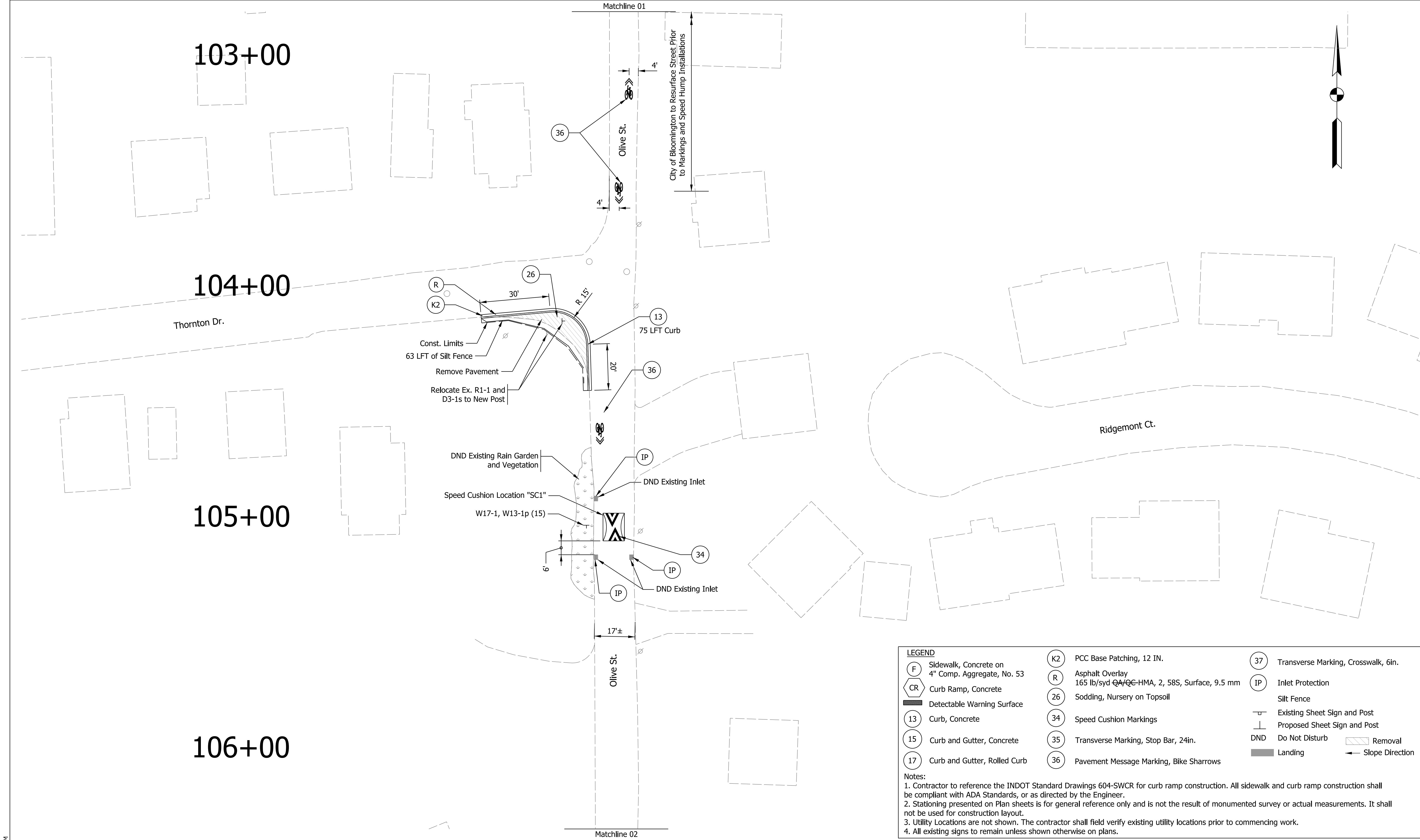
CONTRACT

BRIDGE FILE

DESIGNATION

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PROJECT



LEGEND

F

Sidewalk, Concrete on 4" Comp. Aggregate, No. 53

CR

Curb Ramp, Concrete

Detectable Warning Surface

13

Curb, Concrete

15

Curb and Gutter, Concrete

17

Curb and Gutter, Rolled Curb

K2

PCC Base Patching, 12 IN.

R

Asphalt Overlay 165 lb/syd 4" AC-HMA, 2, 58S, Surface, 9.5 mm

26

Sodding, Nursery on Topsoil

34

Speed Cushion Markings

35

Transverse Marking, Stop Bar, 24in.

36

Pavement Message Marking, Bike Sharrows

37

Transverse Marking, Crosswalk, 6in.

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Inlet Protection

Silt Fence

Existing Sheet Sign and Post

Proposed Sheet Sign and Post

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Removal

Slope Direction

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3. Utility Locations are not shown. The contractor shall field verify existing utility locations prior to commencing work.

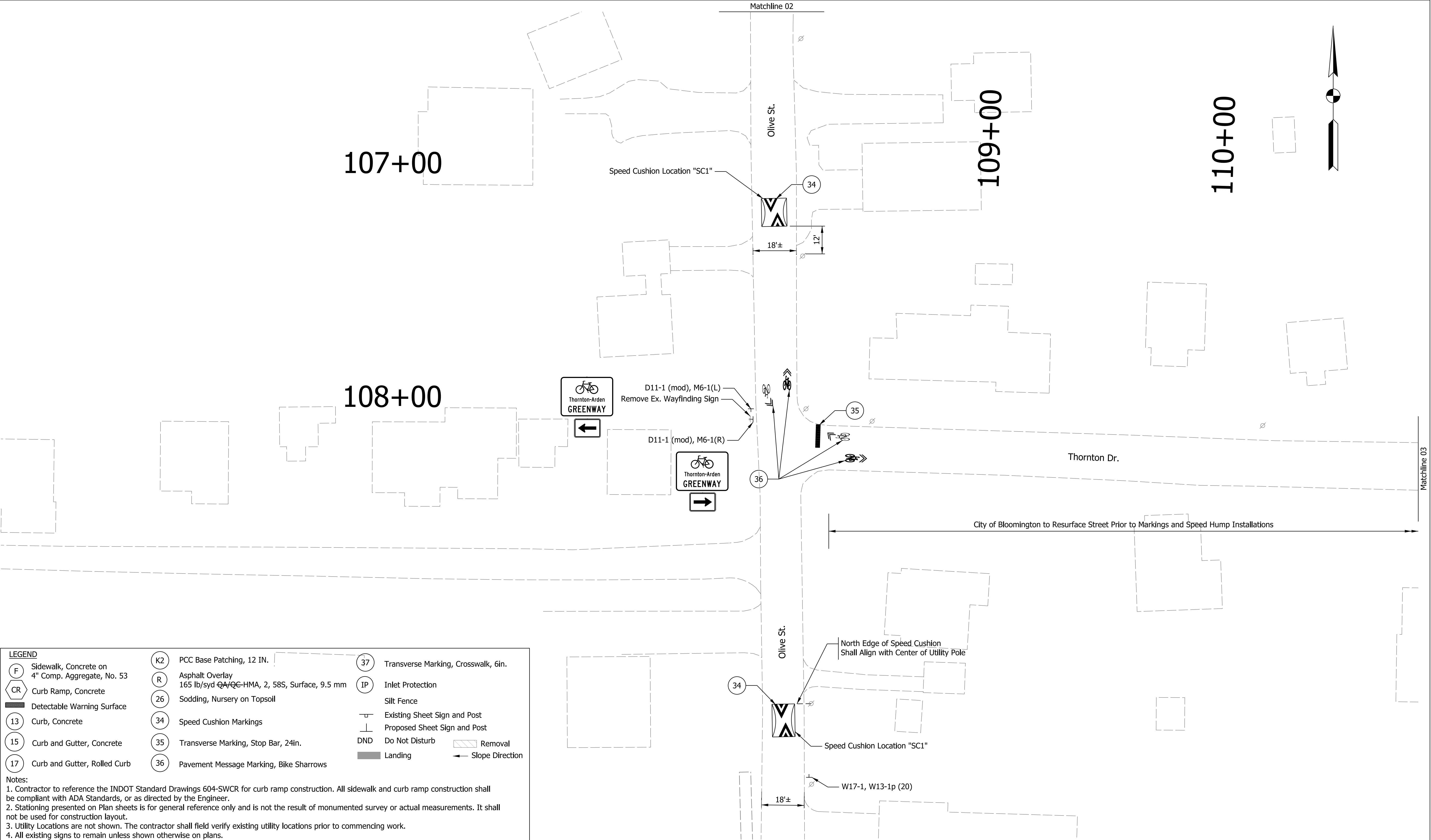
4. All existing signs to remain unless shown otherwise on plans.

Plot: 11/6/2024 12:41 PM

IP_PWP:d0479820\ShT Plan 02.dgn

LEGEND			
(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K2)	PCC Base Patching, 12 IN.
(CR)	Curb Ramp, Concrete	(R)	Asphalt Overlay 165 lb/syd QA/QC-HMA, 2, 58S, Surface, 9.5 mm
	Detectable Warning Surface	(26)	Sodding, Nursery on Topsoil
(13)	Curb, Concrete	(34)	Speed Cushion Markings
(15)	Curb and Gutter, Concrete	(35)	Transverse Marking, Stop Bar, 24in.
(17)	Curb and Gutter, Rolled Curb	(36)	Pavement Message Marking, Bike Sharrows
		(37)	Transverse Marking, Crosswalk, 6in.
		(IP)	Inlet Protection
			Silt Fence
			Existing Sheet Sign and Post
			Proposed Sheet Sign and Post
		DND	Do Not Disturb
			Landing
			Removal
			Slope Direction

- Notes:
- 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.
 - 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.
 - Utility Locations are not shown. The contractor shall field verify existing utility locations prior to commencing work.
 - All existing signs to remain unless shown otherwise on plans.



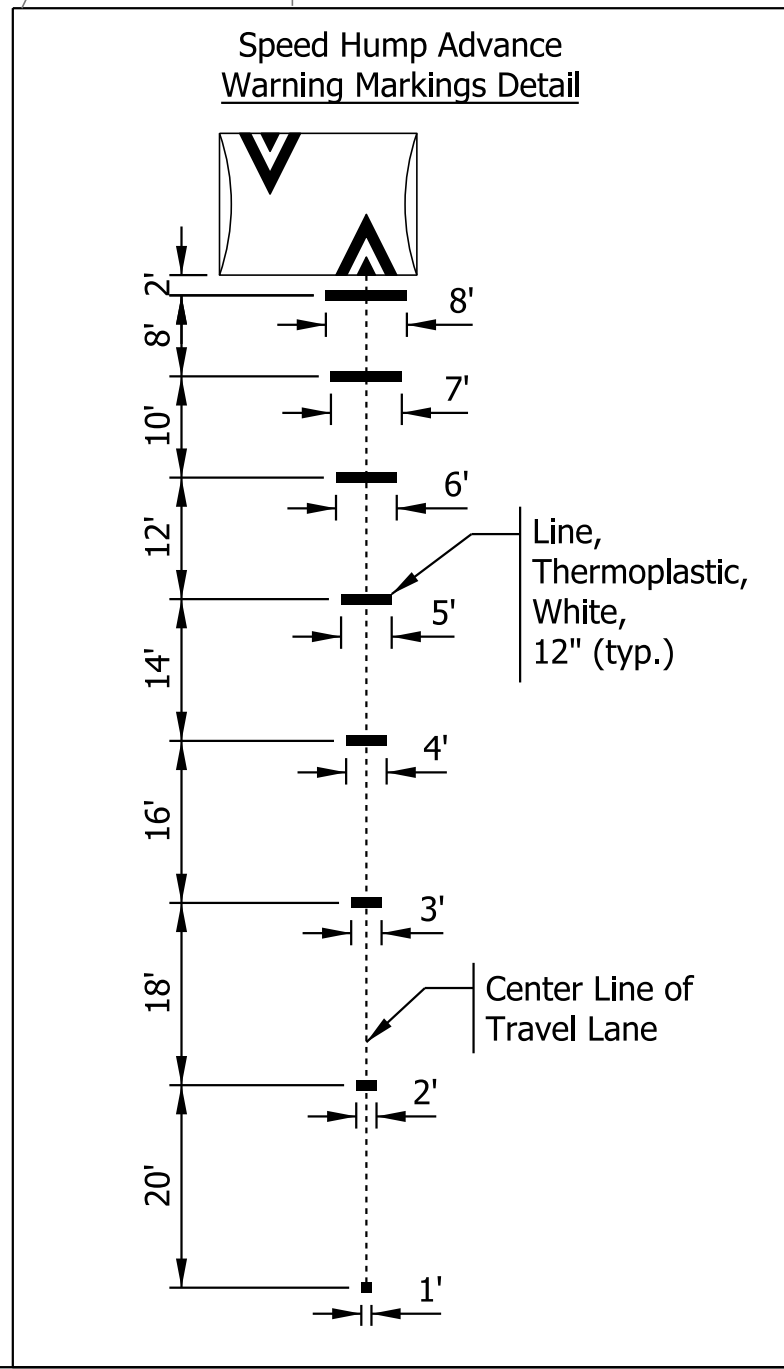
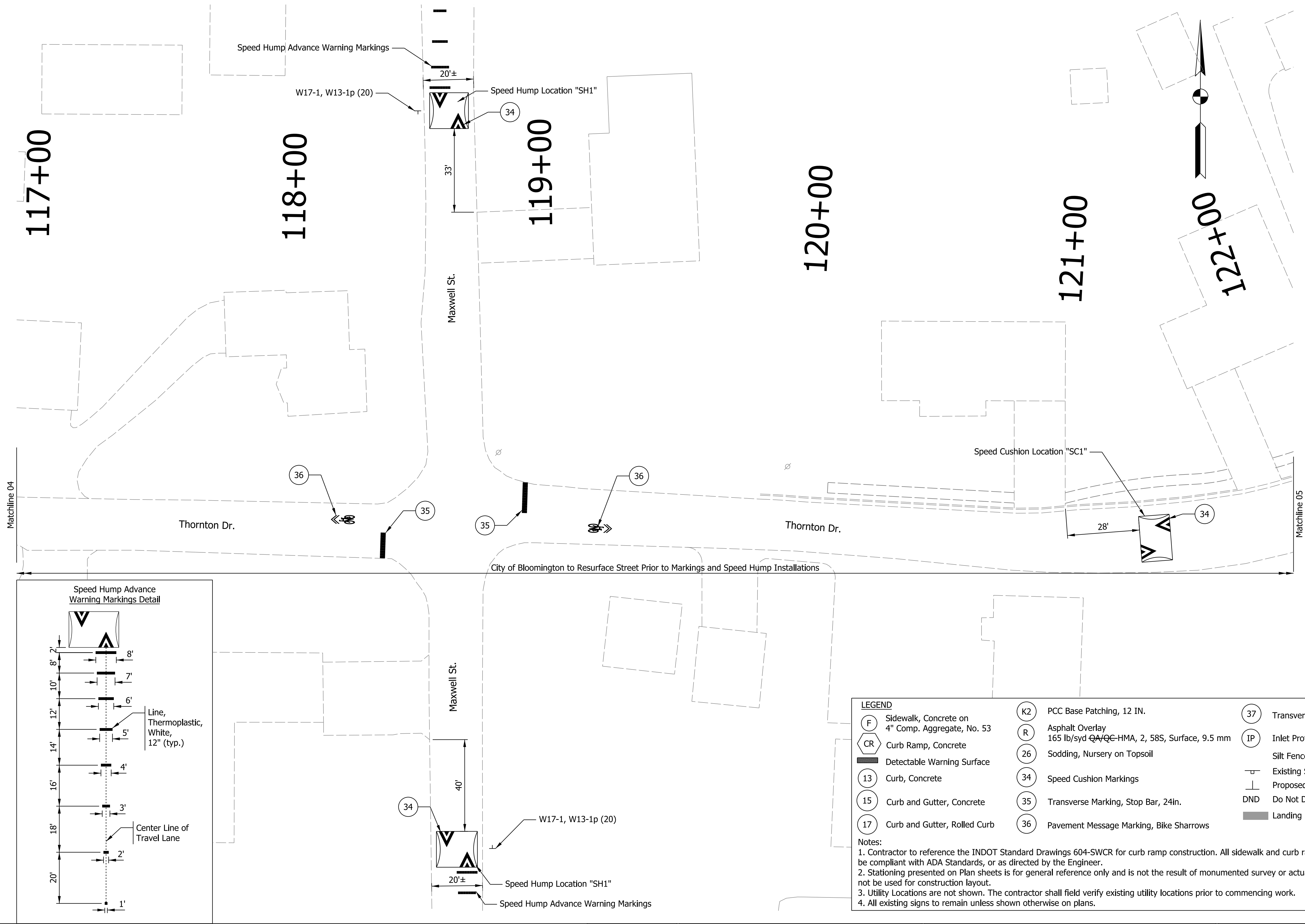
RECOMMENDED FOR APPROVAL		11/06/24
DESIGNED: AJC	DRAWN: AJC	DATE
CHECKED: BEA	CHECKED: BEA	

CITY OF BLOOMINGTON	
BLOOMINGTON GREENWAYS PLAN	

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

Plot: 11/6/2024 12:42 PM

IP_PWP:d0479820\Sht Plan 04.dgn

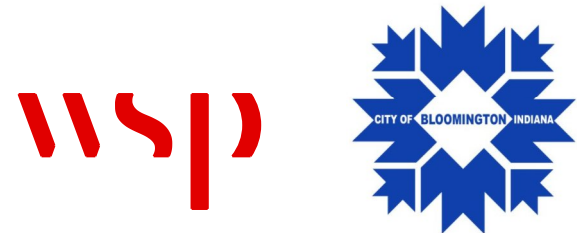


LEGEND

(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K2)	PCC Base Patching, 12 IN.	(37)	Transverse Marking, Crosswalk, 6in.
(CR)	Curb Ramp, Concrete	(R)	Asphalt Overlay 165 lb/syd QA/QC-HMA, 2, 58S, Surface, 9.5 mm	(IP)	Inlet Protection
▬	Detectable Warning Surface	(26)	Sodding, Nursery on Topsoil		Silt Fence
(13)	Curb, Concrete	(34)	Speed Cushion Markings	▬	Existing Sheet Sign and Post
(15)	Curb and Gutter, Concrete	(35)	Transverse Marking, Stop Bar, 24in.	┼	Proposed Sheet Sign and Post
(17)	Curb and Gutter, Rolled Curb	(36)	Pavement Message Marking, Bike Sharrows	DND	Do Not Disturb
				▬	Landing
				▬	Removal
				↖	Slope Direction

Notes:

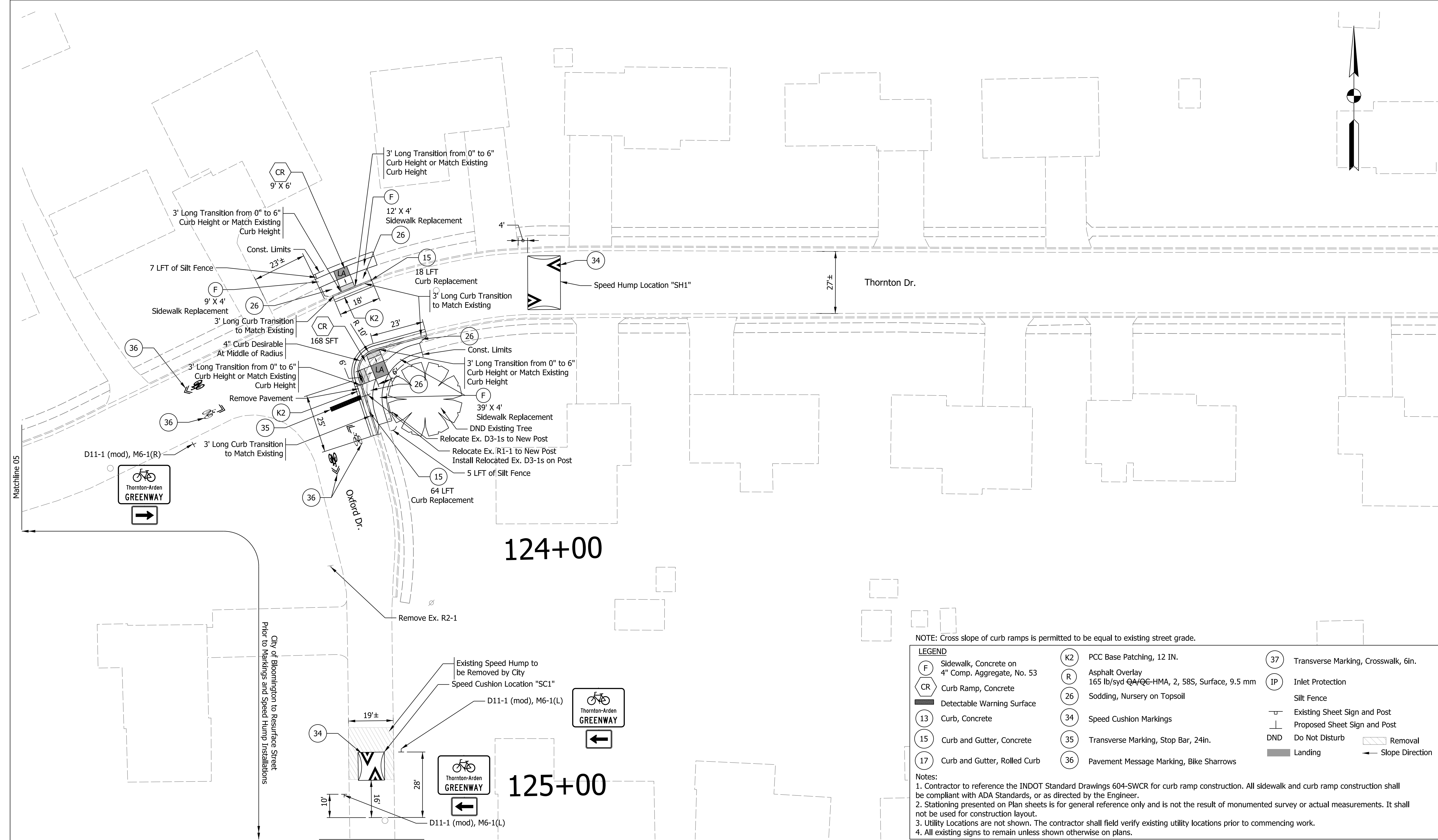
- Contractor to reference the INDOT Standard Drawings 604-SWCR for curb ramp construction. All sidewalk and curb ramp construction shall be compliant with ADA Standards, or as directed by the Engineer.
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RECOMMENDED FOR APPROVAL		11/06/24
DESIGNED: AJC	DRAWN: AJC	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
	14 of 19
CONTRACT	PROJECT



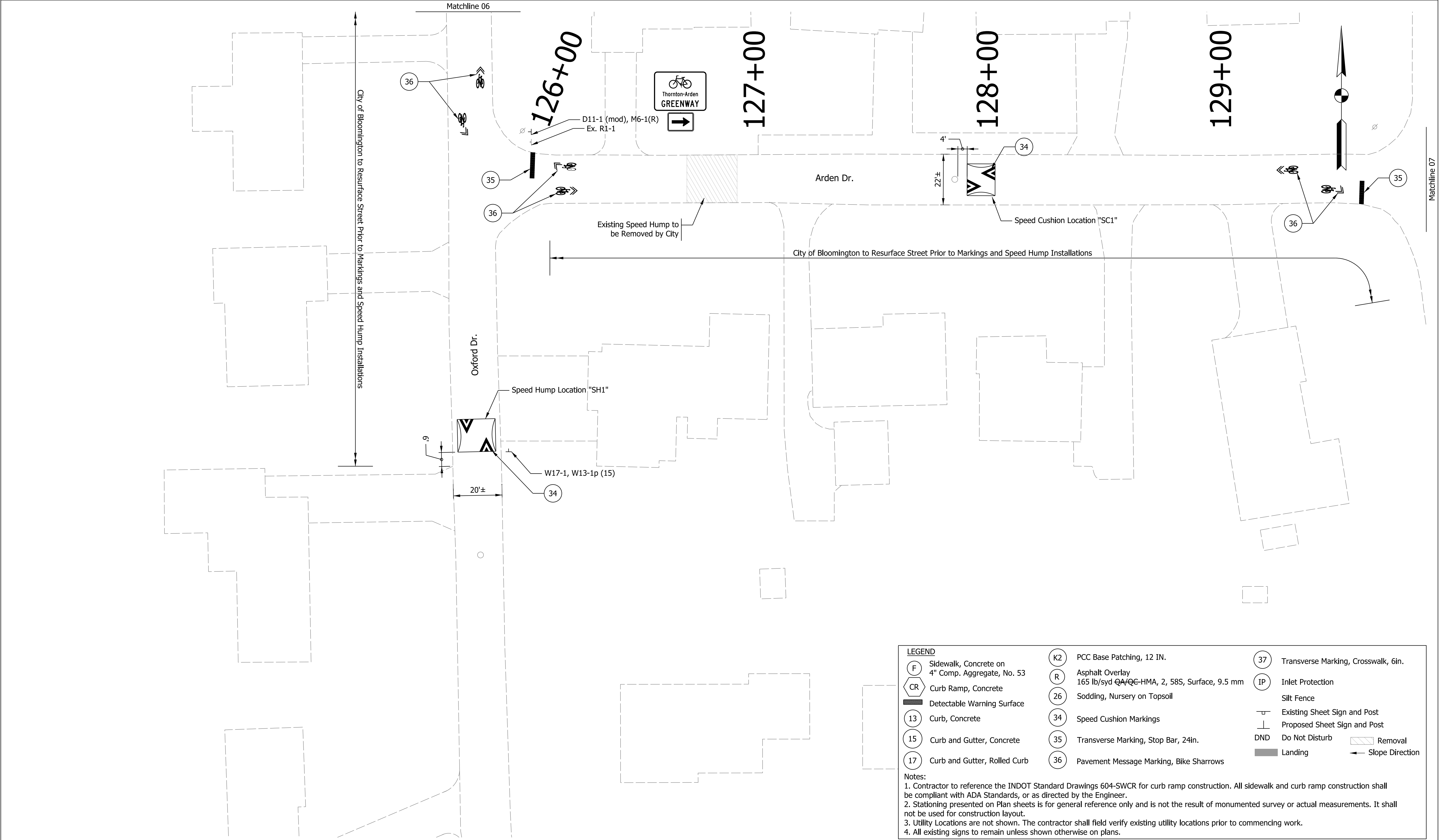
NOTE: Cross slope of curb ramps is permitted to be equal to existing street grade.

LEGEND

(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K2)	PCC Base Patching, 12 IN.	(37)	Transverse Marking, Crosswalk, 6in.
(CR)	Curb Ramp, Concrete	(R)	Asphalt Overlay 165 lb/syd QA/QC-HMA, 2, 58S, Surface, 9.5 mm	(IP)	Inlet Protection
(Hatched)	Detectable Warning Surface	(26)	Sodding, Nursery on Topsoil	(Silt Fence)	Silt Fence
(13)	Curb, Concrete	(34)	Speed Cushion Markings	(Existing Sign)	Existing Sheet Sign and Post
(15)	Curb and Gutter, Concrete	(35)	Transverse Marking, Stop Bar, 24in.	(Proposed Sign)	Proposed Sheet Sign and Post
(17)	Curb and Gutter, Rolled Curb	(36)	Pavement Message Marking, Bike Sharrows	(DND)	Do Not Disturb
				(Landing)	Landing
				(Slope Arrow)	Slope Direction

Notes:

- 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.
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LEGEND

F

Sidewalk, Concrete on 4" Comp. Aggregate, No. 53

CR

Curb Ramp, Concrete

Detectable Warning Surface

13

Curb, Concrete

15

Curb and Gutter, Concrete

17

Curb and Gutter, Rolled Curb

K2

PCC Base Patching, 12 IN.

R

Asphalt Overlay 165 lb/syd 9.5% AC-HMA, 2, 58S, Surface, 9.5 mm

26

Sodding, Nursery on Topsoil

34

Speed Cushion Markings

35

Transverse Marking, Stop Bar, 24in.

36

Pavement Message Marking, Bike Sharrows

37

Transverse Marking, Crosswalk, 6in.

IP

Inlet Protection

Silt Fence

Existing Sheet Sign and Post

Proposed Sheet Sign and Post

DND

Do Not Disturb

Landing

Removal

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.

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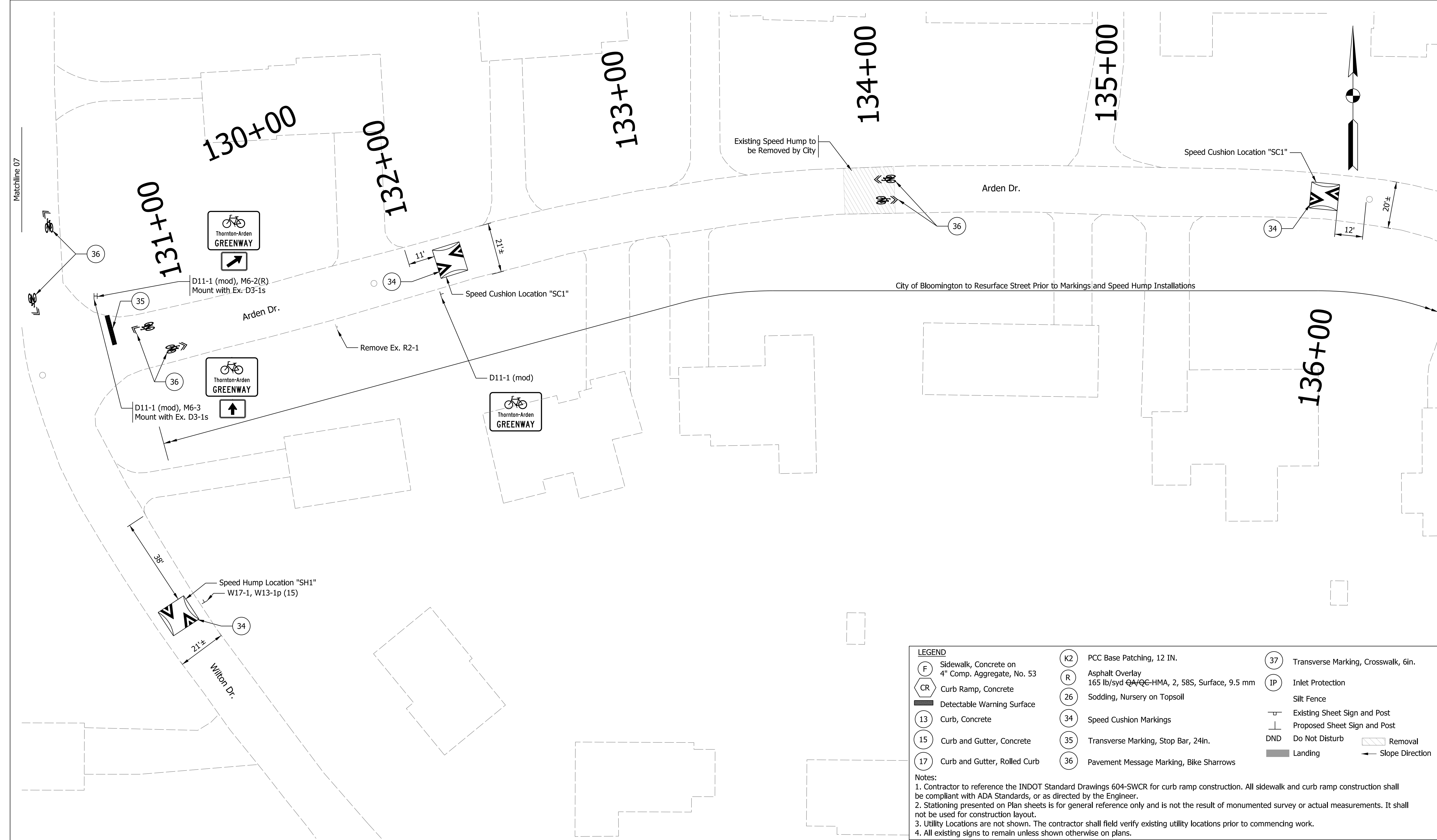
4. All existing signs to remain unless shown otherwise on plans.



RECOMMENDED FOR APPROVAL		11/06/24
	DESIGN ENGINEER	DATE
DESIGNED: AJC	DRAWN: AJC	
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 19
CONTRACT	PROJECT	

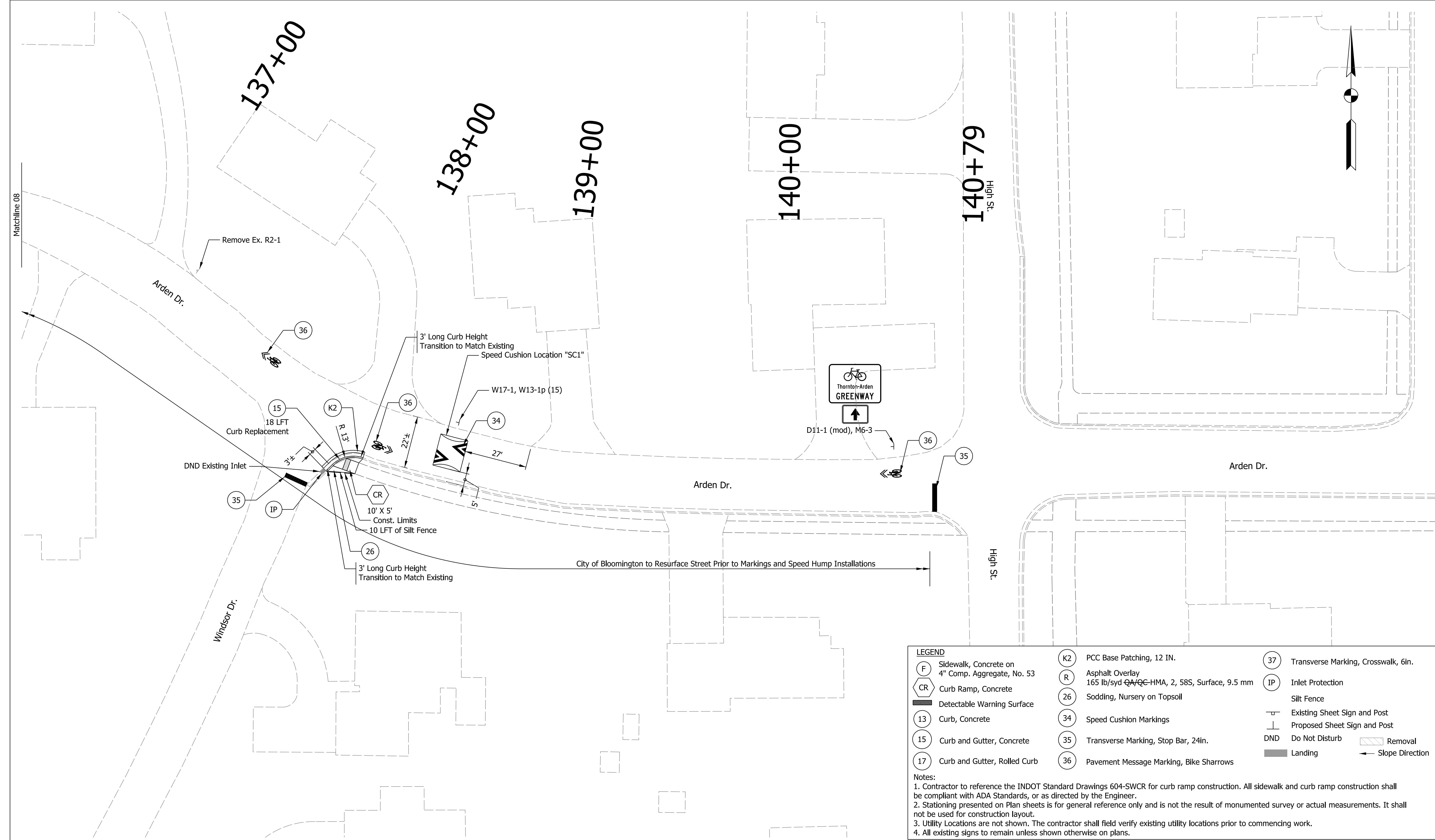


LEGEND

(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K2)	PCC Base Patching, 12 IN.	(37)	Transverse Marking, Crosswalk, 6in.
(CR)	Curb Ramp, Concrete	(R)	Asphalt Overlay 165 lb/syd @ 4% QC-HMA, 2, 58S, Surface, 9.5 mm	(IP)	Inlet Protection
■	Detectable Warning Surface	(26)	Sodding, Nursery on Topsoil	—	Silt Fence
(13)	Curb, Concrete	(34)	Speed Cushion Markings	—	Existing Sheet Sign and Post
(15)	Curb and Gutter, Concrete	(35)	Transverse Marking, Stop Bar, 24in.	—	Proposed Sheet Sign and Post
(17)	Curb and Gutter, Rolled Curb	(36)	Pavement Message Marking, Bike Sharrows	DND	Do Not Disturb
				■	Landing
				■	Removal
				←	Slope Direction

Notes:

- 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.
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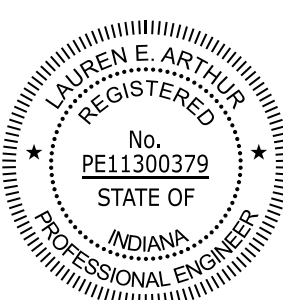


LEGEND

(F)	Sidewalk, Concrete on 4" Comp. Aggregate, No. 53	(K2)	PCC Base Patching, 12 IN.	(37)	Transverse Marking, Crosswalk, 6in.
(CR)	Curb Ramp, Concrete	(R)	Asphalt Overlay 165 lb/syd @ 1.5" AGC-HMA, 2, 58S, Surface, 9.5 mm	(IP)	Inlet Protection
(Solid Black)	Detectable Warning Surface	(26)	Sodding, Nursery on Topsoil	(Silt Fence)	Silt Fence
(13)	Curb, Concrete	(34)	Speed Cushion Markings	(Existing Sheet Sign and Post)	Existing Sheet Sign and Post
(15)	Curb and Gutter, Concrete	(35)	Transverse Marking, Stop Bar, 24in.	(Proposed Sheet Sign and Post)	Proposed Sheet Sign and Post
(17)	Curb and Gutter, Rolled Curb	(36)	Pavement Message Marking, Bike Sharrows	(DND)	Do Not Disturb
				(Landing)	Landing
				(Removal)	Removal
				(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.
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3. Utility Locations are not shown. The contractor shall field verify existing utility locations prior to commencing work.
4. All existing signs to remain unless shown otherwise on plans.



RECOMMENDED FOR APPROVAL

Lauren E. Arthur
DESIGN ENGINEER

11/06/24
DATE

DESIGNED: LEA

DRAWN: LEA

CHECKED: RLH

CHECKED: RLH

CITY OF BLOOMINGTON

TRAFFIC SUMMARY TABLES

HORIZONTAL SCALE

N/A

VERTICAL SCALE

N/A

SURVEY BOOK

CONTRACT

BRIDGE FILE

DESIGNATION

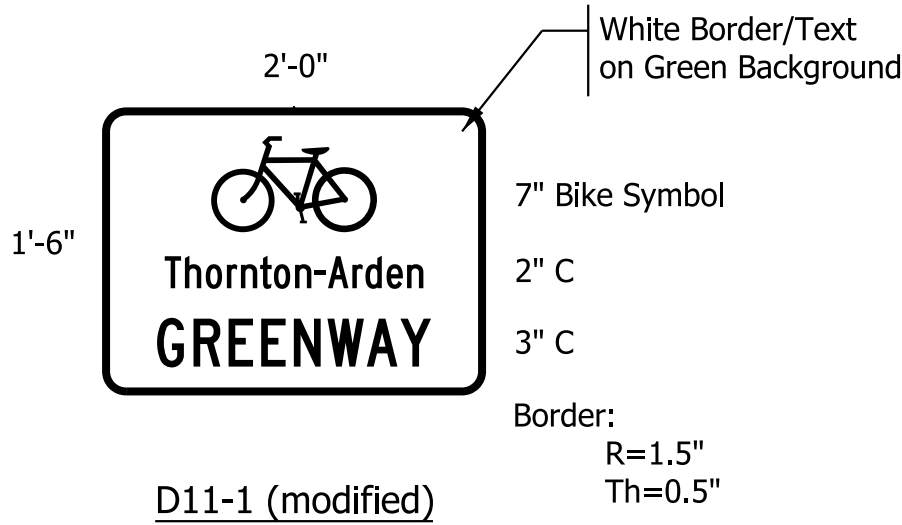
SHEETS

19 of 19

PROJECT

SHEET SIGN & POST SUMMARY

SHEET SIGN & POST SUMMARY																
SIGN							POST							NOTES		
PLAN SHEET NO.	SIGN LOCATION (STA.)	SIGN CODE	SIGN SIZE (IN. x IN.)	GROUND - MOUNTED SIGN AREA (ft2)			SQUARE									
							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)			
							UNREINFORCED ANCHOR			UNREINFORCED ANCHOR			UNREINFORCED ANCHOR			
							POST LENGTH (FT.)			POST LENGTH (FT.)			POST LENGTH (FT.)			
							1	2	TOTAL	1	2	TOTAL	1		2	TOTAL
9	Thornton Dr (west of Olive St)	R1-1	Existing Sign Relocated													
		D3-1s	Existing Sign Relocated										12.5	12.5		
	Olive St (between offset Thornton Drives)	W17-1	30 x 30	6.25									12	12	Mount with W17-1	
		W13-1p (15)	18 x 18	2.25												
10	Olive St (between offset Thornton Drives)	D11-1 (mod)	24 x 18	6.25									11	11	Mount with D11-1	
		M6-1 (L)	12 x 9	0.75									11	11	Mount with D11-1	
		D11-1 (mod)	24 x 18	6.25												
		M6-1 (R)	12 x 9	0.75												
	Olive St (south of Thornton Dr)	W17-1	30 x 30	6.25									12	12	Mount with W17-1	
		W13-1p (20)	18 x 18	2.25												
11	Highland Ave (south of Thornton Dr)	W17-1	30 x 30	6.25									12	12	Mount with W17-1	
		W13-1p (20)	18 x 18	2.25												
	Highland Ave (north of Thornton Dr)	W17-1	30 x 30	6.25									12	12	Mount with W17-1	
		W13-1p (20)	18 x 18	2.25												
	Thornton Dr (Highland Ave to S Covey Ln)	D11-1 (mod)	24 x 18	6.25									11	11	Mount with W17-1	
		M6-3	12 x 9	0.75									11	11	Mount with D11-1	
		W3-1	Existing Sign Relocated										11	11		
	Thornton Dr (S Covey Ln to Maxwell St)	D11-1 (mod)	24 x 18	6.25									11	11	Mount with D11-1	
12	Maxwell St (south of Thornton Dr)	M6-3	12 x 9	0.75												
		W17-1	30 x 30	6.25									12	12	Mount with D11-1	
	Maxwell St (north of Thornton Dr)	W13-1p (20)	18 x 18	2.25												
		W17-1	30 x 30	6.25									12	12	Mount with W17-1	
	Thornton Dr (Maxwell St to Oxford Dr)	W13-1p (20)	18 x 18	2.25												
		D11-1 (mod)	24 x 18	6.25									11	11	Mount with W17-1	
13	Oxford Dr (Thornton Dr to Arden Dr)	M6-1 (R)	12 x 9	0.75												
		D3-1s	Existing Sign Relocated										12.5	12.5		
		R1-1	Existing Sign Relocated										10.5	10.5		
		D11-1 (mod)	24 x 18	6.25									11	11	Mount with D11-1	
		M6-1 (L)	12 x 9	0.75												
		D11-1 (mod)	24 x 18	6.25									11	11	Mount with D11-1	
14	Oxford Dr (south of Arden Dr)	M6-1 (L)	12 x 9	0.75												
		W17-1	30 x 30	6.25									12	12	Mount with D11-1	
	Arden Dr (Oxford Dr to Wilton Dr)	W13-1p (15)	18 x 18	2.25												
		D11-1 (mod)	24 x 18	6.25									11	11	Mount with W17-1	
15	Wilton Dr (south of Arden Dr)	M6-1 (R)	12 x 9	0.75												
		W17-1	30 x 30	6.25												
		W13-1p (15)	18 x 18	2.25									12	12	Mount with D11-1	
		D11-1 (mod)	24 x 18	6.25												
	Arden Dr (Wilton Dr to Windsor Dr)	M6-3	12 x 9	0.75			Mount on ex. post with ex. D3-1s									
		D11-1 (mod)	24 x 18	6.25											Mount with D11-1	
16	Arden Dr (Windsor Dr to High St)	M6-2 (R)	12 x 9	0.75												
		D11-1 (mod)	24 x 18	6.25												
		W17-1	30 x 30	6.25									12	12	Mount with W17-1	
		W13-1p (15)	18 x 18	2.25												
		D11-1 (mod)	24 x 18	6.25									11	11		
		M6-3	12 x 9	0.75												
PROJECT TOTALS				159.75	0.00	0.00			0.00			0.00		263.50		



PAVEMENT MARKINGS SUMMARY TABLE

LOCATION		LINE	TRANSVERSE MARKING		BIKE SYMBOL AND SHARROWS	SPEED HUMP MARKING
		THERMOPLASTIC SOLID WHITE	THERMOPLASTIC CROSSWALK WHITE	THERMOPLASTIC STOP BAR WHITE		
		12"	6"	24"		
		LFT	LFT	LFT		
Plan Sheet No.	Location				EACH	EACH
8	Olive St (Hillside Dr to Thornton Dr)				2	
9	Olive St (Hillside Dr to Thornton Dr)				2	
	Olive St (between Thornton Drives)				2	2
10	Olive St (between Thornton Drives)				2	2
	Olive St (south of Thornton Dr)					2
	Thornton Dr (Olive St to Highland Ave)			10	2	
	Thornton Dr (Olive St to Highland Ave)		54	10	1	
11	Highland Ave (south of Thornton Dr)	36				2
	Highland Ave (north of Thornton Dr)	36				2
	Thornton Dr (Highland Ave to S Covey Ln)			11	2	2
	Thornton Dr (S Covey Ln to Maxwell St)				1	2
	Thornton Dr (S Covey Ln to Maxwell St)			10	1	
12	Maxwell St (south of Thornton Dr)	36				2
	Maxwell St (north of Thornton Dr)	36				2
	Thornton Dr (Maxwell St to Oxford Dr)			12	1	2
	Thornton Dr (Maxwell St to Oxford Dr)				2	
13	Thornton Dr (east of Oxford Dr)					2
	Oxford Dr (Thornton Dr to Arden Dr)			14	2	2
	Oxford Dr (Thornton Dr to Arden Dr)				2	
	Oxford Dr (south of Arden Dr)					2
14	Arden Dr (Oxford Dr to Wilton Dr)			21	4	2
	Wilton Dr (between Arden Drives)				2	
	Wilton Dr (south of Arden Dr)					2
	Arden Dr (Wilton Dr to Windsor Dr)			13	4	4
15	Arden Dr (Wilton Dr to Windsor Dr)				1	
	Windsor Dr (South of Arden Dr)			10		
	Arden Dr (Windsor Dr to High St)			12	2	2
PROJECT TOTALS		144	54	123	35	36