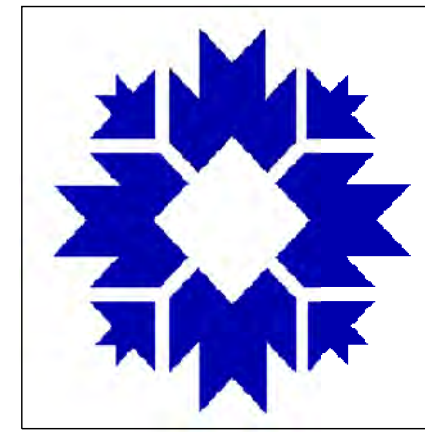
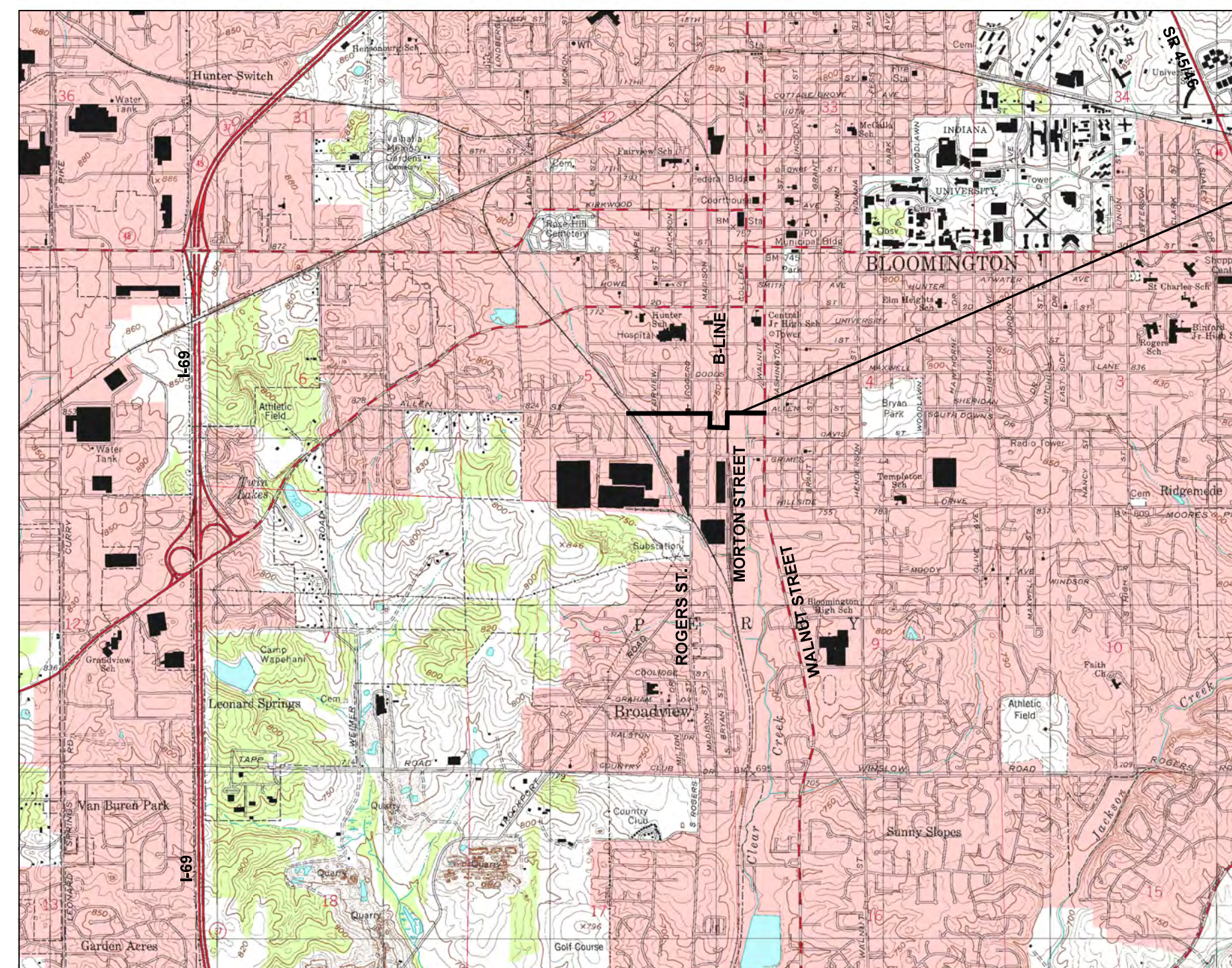
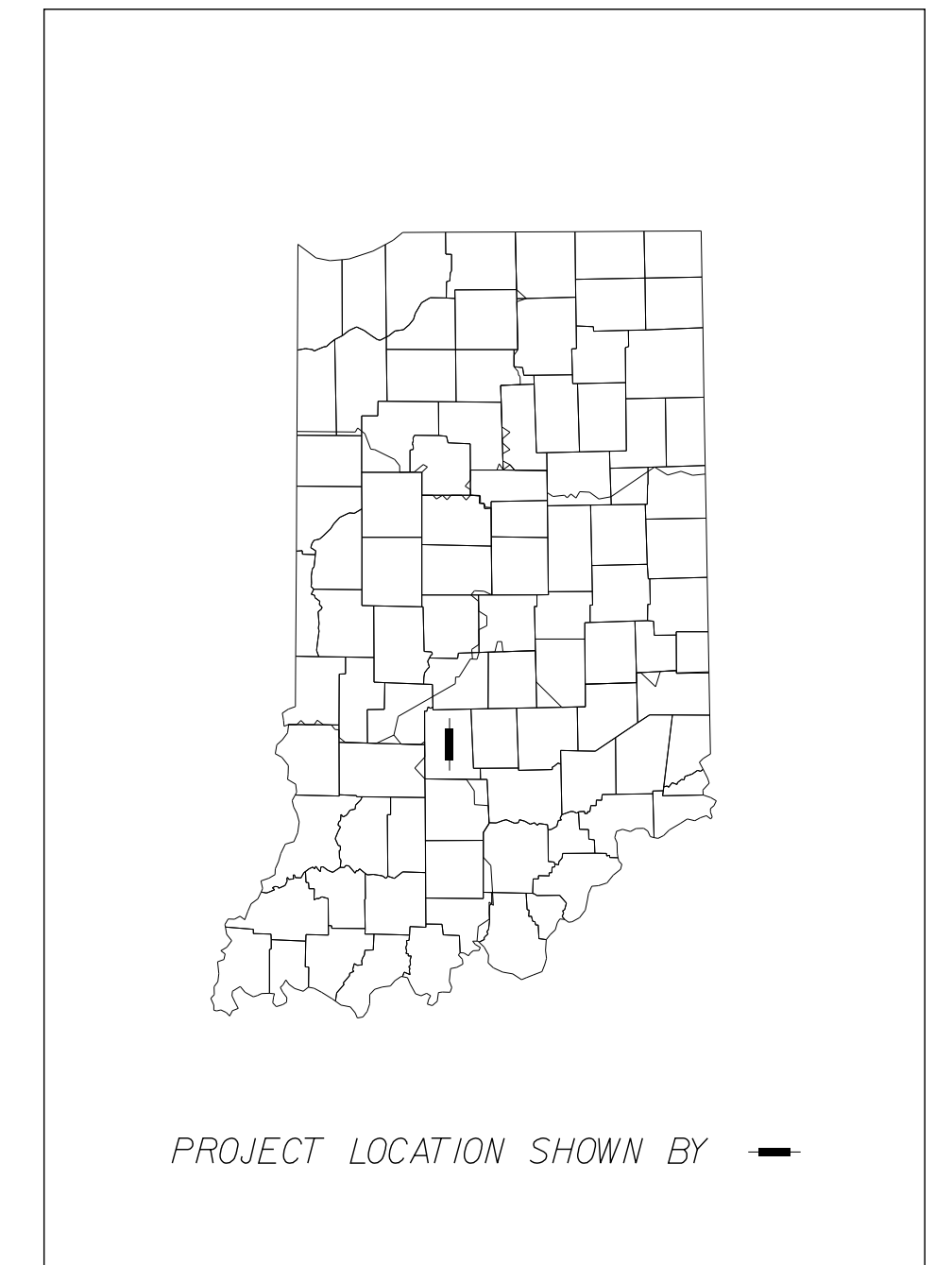


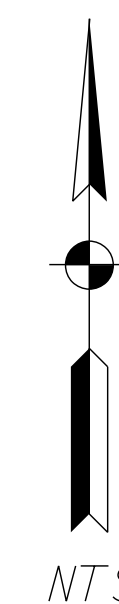
CITY OF BLOOMINGTON DEPARTMENT OF ENGINEERING



WEST ALLEN STREET GREENWAY PATTERSON DRIVE TO WALNUT STREET



PROJECT LOCATION



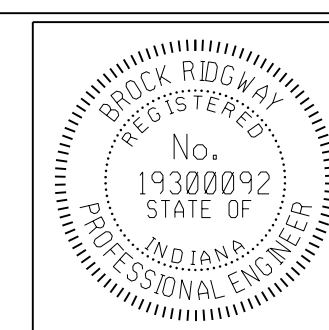
PROJECT LOCATION MAP
CITY OF BLOOMINGTON, MONROE COUNTY

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS CURRENT EDITION
TO BE USED WITH THESE PLANS.

PREPARED BY:



1321 Laurel Oak Drive
Avon, Indiana 46123
(317)370-9672



PLANS PREPARED BY:

CERTIFIED BY:

APPROVED FOR LETTING:

B. Ridgway



(317) 370-9672
PHONE NUMBER

10-19-2022
DATE

DATE

SHEETS	
1	of 14
PROJECT	

WEST ALLEN STREET GREENWAY

UTILITIES

<p>CABLE TELEVISION COMCAST ATTN: STEVE McARTOR 2450 SOUTH HENDERSON ST. BLOOMINGTON, IN 47401 (812) 360-3090</p> <p>GAS CENTERPOINT ENERGY ATTN: ARIEL THOMAS 205 SOUTH MADISON BLOOMINGTON, IN 47404 (812) 330-4018 ariele.thomas@centerpoint.com</p> <p>FOR SERVICE RELOCATIONS (48 HOUR NOTICE NEEDED) ATTN: DATA BLOOMINGTON DIGITAL UNDERGROUND ATTN: RICK DIETZ ITS DEPT. CITY HALL 401 N. MORTON ST. SUITE 150 BLOOMINGTON, IN 47404 (812) 349-3485</p>	<p>ELECTRIC DUKE (DISTRIBUTION) ATTN: CHRISTINA GIROD 16475 SOUTH PARK DRIVE WESTFIELD, IN 46074 (812) 273-9596 christina.girod@duke-energy.com</p> <p>STORM/SANITARY/WATER CITY OF BLOOMINGTON UTILITIES ATTN: PHIL PEDEEN 600 E. MILLER DRIVE BLOOMINGTON, IN 47401 (812) 349-3634 pedeen@bloomington.in.gov 24-HR CONTROL OPERATOR (812) 339-1444</p> <p>TELEPHONE/COMMUNICATIONS US SIGNAL ATTN: JOHN LUNDELL 201 IONIA AVENUE SW GRAND RAPIDS, MI 49503 (616) 988-7117 jlundell@ussignal.com</p> <p>CENTURYLINK (FORMERLY LEVEL 3 AND GTE) ATTN: DEWAYNE HAMILTON 4625 WEST 86TH STREET INDIANAPOLIS, IN 46268 (317) 966-3356 dewayne.hamilton@centurylink.com</p>	<p>TELEPHONE/COMMUNICATIONS (CONT.) AT & T PRIMARY: JOHN HALL (812) 334-4742 ALT: TOD MOORE (812) 334-4718 4517 INDIANA BELL COURT BLOOMINGTON, IN 47408</p> <p>SMITHVILLE TELEPHONE CO. ATTN: JOE BRYNIARSKI 1600 W. TEMPERANCE ST. ELLETTSVILLE, IN 47429-0729 (812) 935-2262 joe.bryniarski@smithville.com</p> <p>CITY OF BLOOMINGTON CITY OF BLOOMINGTON STREET DEPARTMENT ATTN: FREDDIE LOVE 1981 S. HENDERSON STREET BLOOMINGTON, IN 47401 (812) 349-3448 freddie.love@bloomington.in.gov</p> <p>ZAYO ATTN: WAYLON HIGGINS 9209 CASTLE GATE DRIVE INDIANAPOLIS, IN 46256 (765) 341-1199 waylon.higgins@zayo.com</p>
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GENERAL NOTES

1	ALL REMOVAL AND EXCAVATION ITEMS ARE TO BE PAID AS CLEARING.
2	ALL RADII ARE TO BACK OF CURB LINE.
3	USE OF INDOT STANDARD SPECIFICATIONS, UNLESS OTHERWISE PROVIDED IN THESE PLANS OR THE TECHNICAL SPECIFICATIONS, MATERIALS AND WORKMANSHIP OF THE WORK SHALL BE AS REQUIRED BY THE CURRENT EDITION OF THE INDOT STANDARD SPECIFICATIONS.
4	USE OF PROPERTY: NO MATERIALS OR EQUIPMENT SHALL BE STORED IN A LOCATION OR MANNER WHICH PRESENTS A HAZARD TO THE PUBLIC OR THE ENVIRONMENT. THE SAFEGUARD OF MATERIALS REMAINING IN THESE AREAS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5	COORDINATION OF DRAWINGS, TECHNICAL SPECIFICATIONS, AND STANDARD SPECIFICATIONS: THE CONTRACT DOCUMENTS WHICH ARE LISTED IN THE AGREEMENT ARE INTENDED TO BE COMPLEMENTARY AND TO DESCRIBE AND PROVIDE FOR COMPLETE WORK. A REQUIREMENT APPEARING IN ONE IS BINDING AS THOUGH OCCURRING IN ALL. IN CASE OF DISCREPANCY, THE FOLLOWING ORDER OF PRECEDENCE WILL APPLY: 1. CONSTRUCTION AGREEMENT. 2. INSTRUCTIONS TO BIDDERS. 3. SUPPLEMENTARY GENERAL CONDITIONS. 4. PERMITS ISSUED BY FED/STATE/LOCAL AGENCIES 5. TECHNICAL SPECIFICATIONS. 6. GENERAL CONDITIONS. 7. PROJECT DRAWINGS. 8. STANDARD SPECIFICATIONS AS PUBLISHED BY THE INDIANA DEPARTMENT OF TRANSPORTATION, CURRENT EDITION.
6	PRESENCE OF UTILITIES: MOST OF THIS PROJECT IS PRESENTED ON A GIS BASE MAP AND UTILITIES ARE NOT SHOWN. EXISTING UTILITIES THAT ARE SHOWN ON PLANS ARE APPROXIMATED IN ACCORDANCE WITH AVAILABLE RECORDS, LOCATOR'S MARKINGS, AND PHYSICAL EVIDENCE. OTHER UTILITIES MAY ALSO BE PRESENT. EXACT LOCATIONS AND ELEVATIONS ARE TO BE DETERMINED BY CONTRACTOR.
7	UTILITY LOCATIONS: CONTRACTOR IS REQUIRED BY LAW TO NOTIFY INDIANA UNDERGROUND LOCATION SERVICE AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING ANY EXCAVATION WORK. CONTACT NUMBER IS 811. OTHER LOCAL UTILITIES MAY NOT BE SUBSCRIBERS AND MUST BE CONTACTED INDIVIDUALLY FOR LOCATE REQUESTS.
8	INCIDENTAL WORK: ALL WORK SHOWN OR SPECIFIED IN THE CONTRACT DOCUMENTS AND OTHER WORK WHICH MAY BE INCIDENTAL TO THE DENOTED WORK SHALL BE CONSIDERED TO BE INCLUDED IN THE TOTAL CONTRACT LUMP SUM PRICE.
9	STAKING: CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STAKING.

INDEX

SHEET NO.	DRAWINGS INDEX
1	TITLE SHEET
2	INDEX / GENERAL NOTES / LEGEND / UTILITY DATA
3 - 5	TYPICAL DETAILS
6 - 12	GREENWAY PLANS - ALLEN STREET
13	INTERSECTION DETAIL
14	MAINTENANCE OF TRAFFIC PLANS

GENERAL LEGEND (EXISTING SCREENED, PROPOSED IN BOLD)

<p> LIGHT POLE</p> <p> WATER VALVE</p> <p> INLETS</p> <p> HYDRANT</p> <p> TREES</p> <p> SIGN</p> <p> POWER POLE</p> <p> MANHOLE (STORM, SANITARY)</p> <p> TELECOM MANHOLES</p> <p> AIR CONDITIONER</p> <p> TELE. RISER</p> <p> ELEC. RISER</p> <p> TELECOM MANHOLES</p> <p> PARKING METER</p> <p> MAILBOX</p>	<p> WATER METER</p> <p> GAS VALVE</p> <p> GAS METER</p> <p> BOLLARD</p> <p> DOWNSPOUT</p> <p> STORM</p> <p> UNDERGROUND ELECTRIC</p> <p> UNDERGROUND TELEPHONE</p> <p> OVERHEAD UTILITY</p> <p> WATER MAINS/WATER LINES</p> <p> GAS MAINS/LINE</p> <p> GUARDRAIL</p> <p> WOOD FENCE</p>
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RAIN GARDEN PREFABRICATED STRUCTURE REQUIREMENTS:

PROJECT INCLUDES 2 EACH PRETREATMENT SEDIMENT AND TRASH TRAPS. THESE SHALL BE RAIN GUARDIAN "TURRET" MODEL UNITS AS MANUFACTURED BY RINKER MATERIALS. FOR MORE INFORMATION
www.RainGuardian.biz

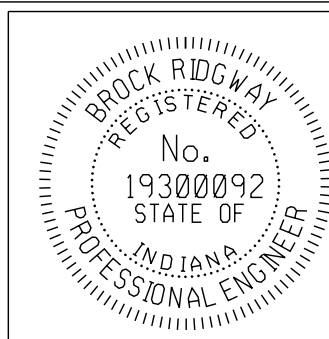
MAINTENANCE OF TRAFFIC AND EROSION CONTROL ITEMS

	INDOT STANDARD DRUM WITH STEADY BURN LIGHTS
	TEMPORARY CONSTRUCTION FENCING, 48" MESH, ORANGE, ON TEMPORARY STANDS
	BARRICADE (TYPE III)
	CONSTRUCTION SIGNS (SHAPE PER MUTCD)

PROPOSED ITEMS

<p>--- EXISTING R/W</p> <p> CONCRETE CURB, MOUNTABLE PROFILE</p> <p> CONCRETE CURB</p> <p> REINFORCED CONCRETE CURB</p> <p> NURSERY SODDED AREA - INCLUDED UP TO 6" TOPSOIL UNLESS OTHERWISE NOTED</p> <p> 2" WHITE LINES FOR CROSSWALKS OR STOP BARS, THERMOPLASTIC</p> <p> 4" YELLOW, SOLID LINE, THERMOPLASTIC</p> <p> 4" GREENWAY RIBBON MARKING, THERMOPLASTIC</p> <p> BIKE SYMBOLS, THERMOPLASTIC</p> <p> WHITE CHEVRONS (FOR BIKE ROUTE), THERMOPLASTIC</p> <p> SPEED CUSHION MARKINGS, THERMOPLASTIC</p> <p> REMOVE EXISTING SIGN AND POST</p> <p> RESET EXISTING SIGN ON NEW TYPE I POST WITH UNREINFORCED ANCHOR BASE</p> <p> NEW SIGN ON TYPE I POST WITH UNREINFORCED ANCHOR BASE</p>	<p> CENTER CURB, B, MODIFIED</p> <p> CONSTRUCTION LIMITS</p> <p> CAST STEEL DETECTABLE WARNING PLATES (ON RADIUS, IF RADIUS LABELLED)</p> <p> CONCRETE SIDEWALK, 4" ON 4" COMPACTED AGGREGATE</p> <p> CONCRETE SIDEWALK, 6" ON 4" COMPACTED AGGREGATE</p> <p> PCCP FOR PATCHING, 12" WITH 1.5" HMA OVERLAY</p> <p> RAMP, CONCRETE INCLUDING METAL DETECTABLE WARNING PLATES 6" THICK ON 4" COMPACTED AGGREGATE BASE NO. 53s</p> <p> NEW TREE, 2" MIN. CALIPER, AMELANCHIER X GRANDIFLORA (CROSS OF ALLEGHENY SERVICE BERRY AND DOWNY SERVICE BERRY)</p> <p> MILL 1.0" AND RESURFACE/WEDGE UP TO 1.5" HMA SURFACE, B</p>
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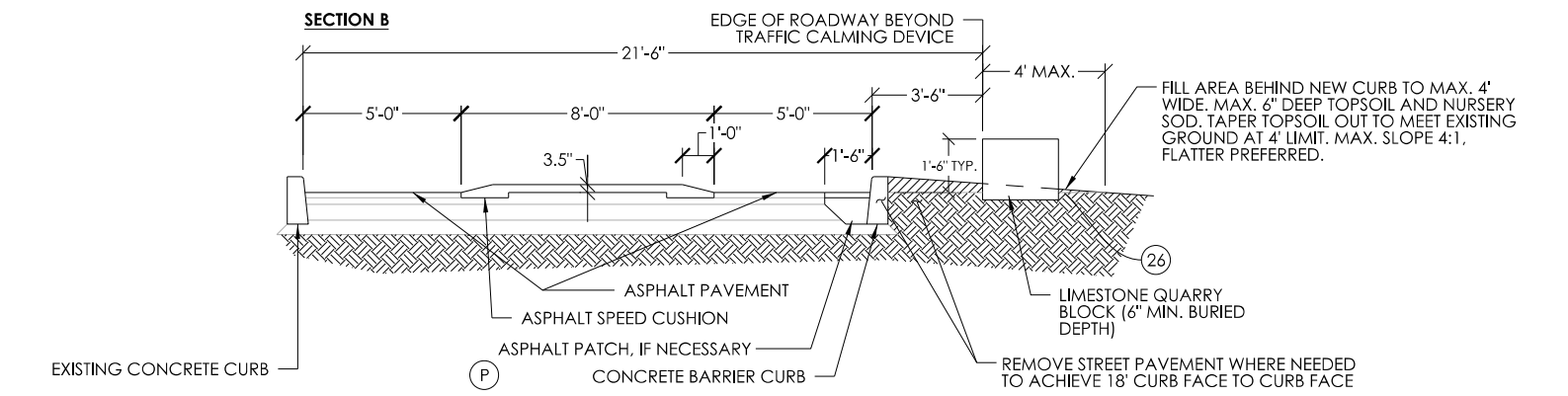
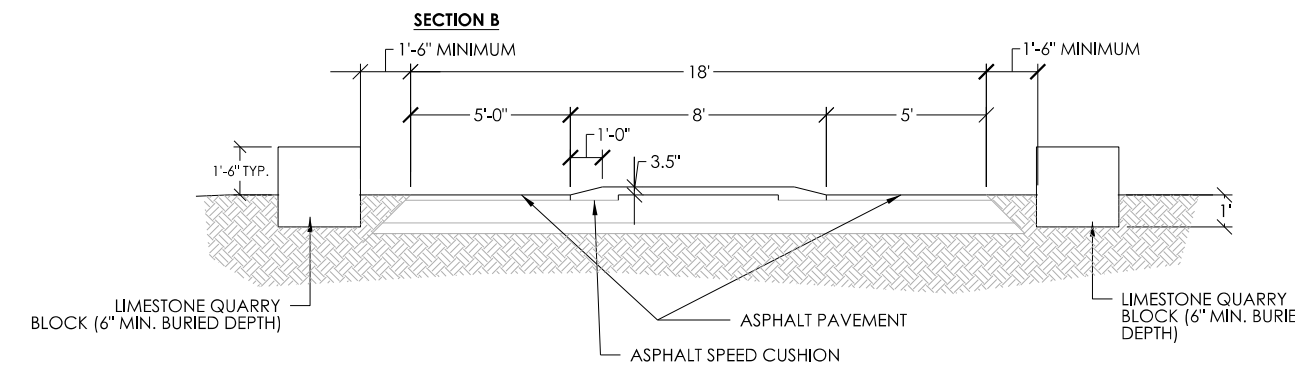
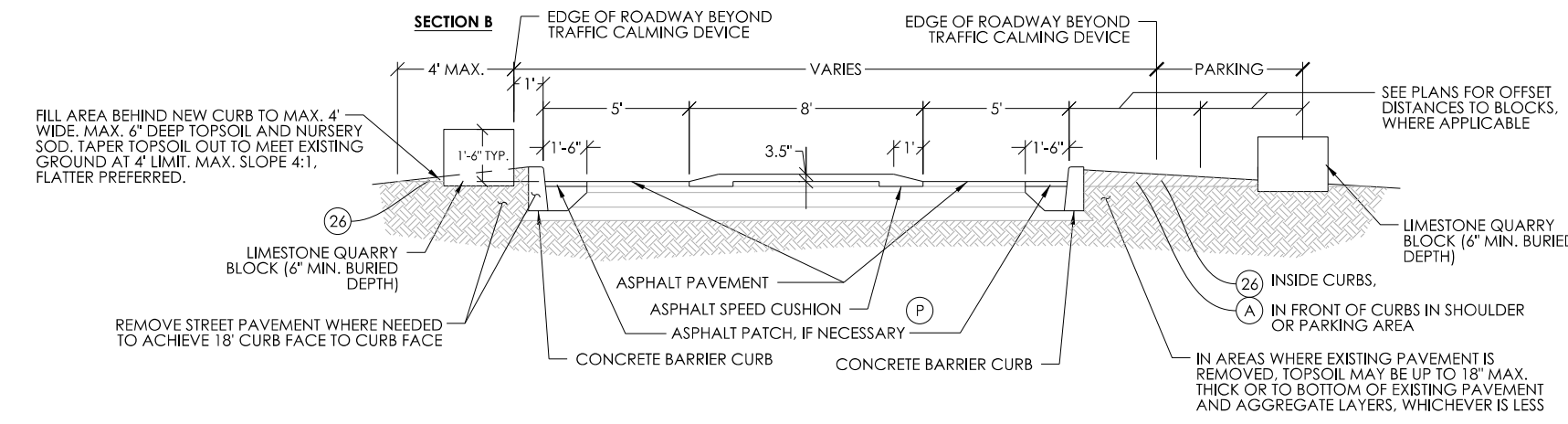
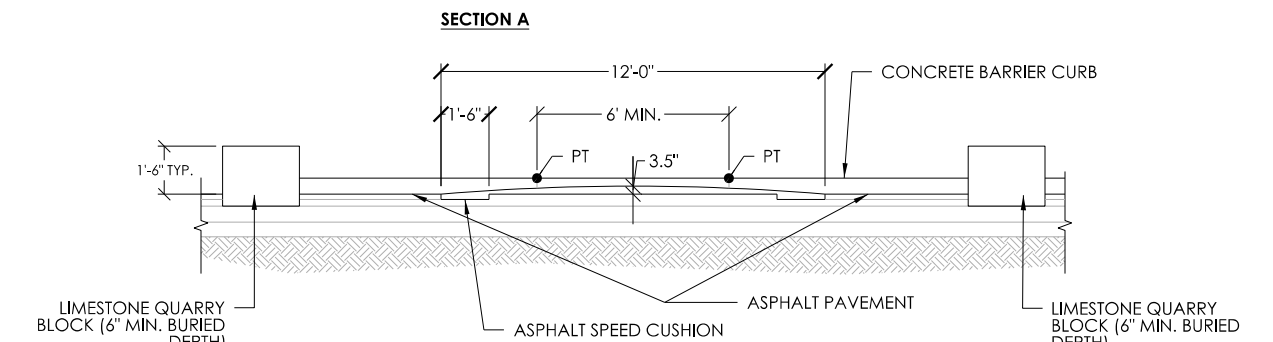
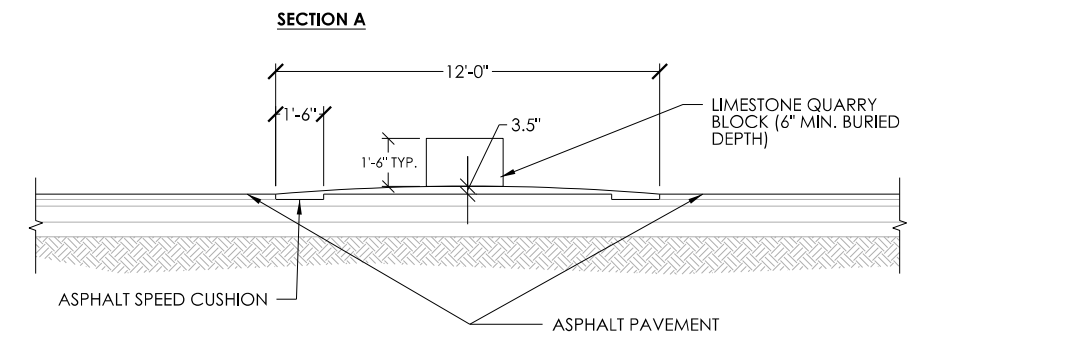
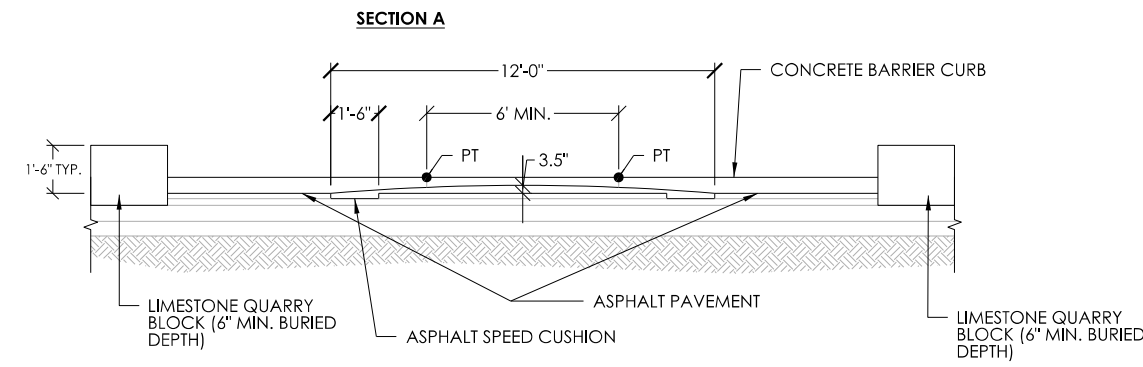


RECOMMENDED FOR APPROVAL	10-19-2022 DATE
DESIGNED: BR	DRAWN: RBA
CHECKED: MT	CHECKED: BR

**CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING**

**INDEX / GENERAL NOTES / LEGEND /
UTILITY DATA**

HORIZONTAL SCALE	ERCES PROJECT NUMBER
VERTICAL SCALE	240
N/A	SHEET NUMBER
	2



SC3 ASPHALT SPEED CUSHION FOR CURBLESS ROADWAY - SECTION
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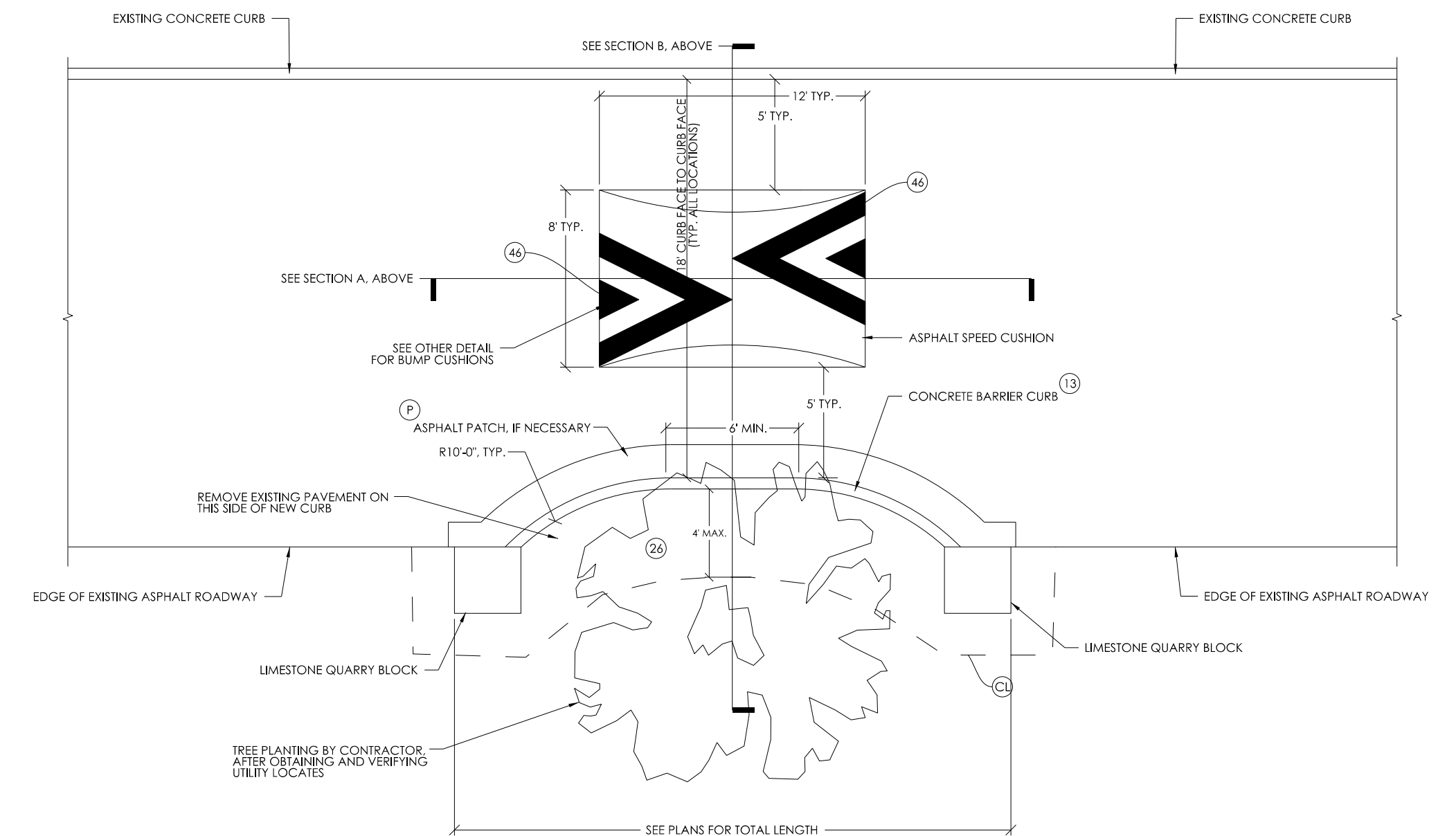
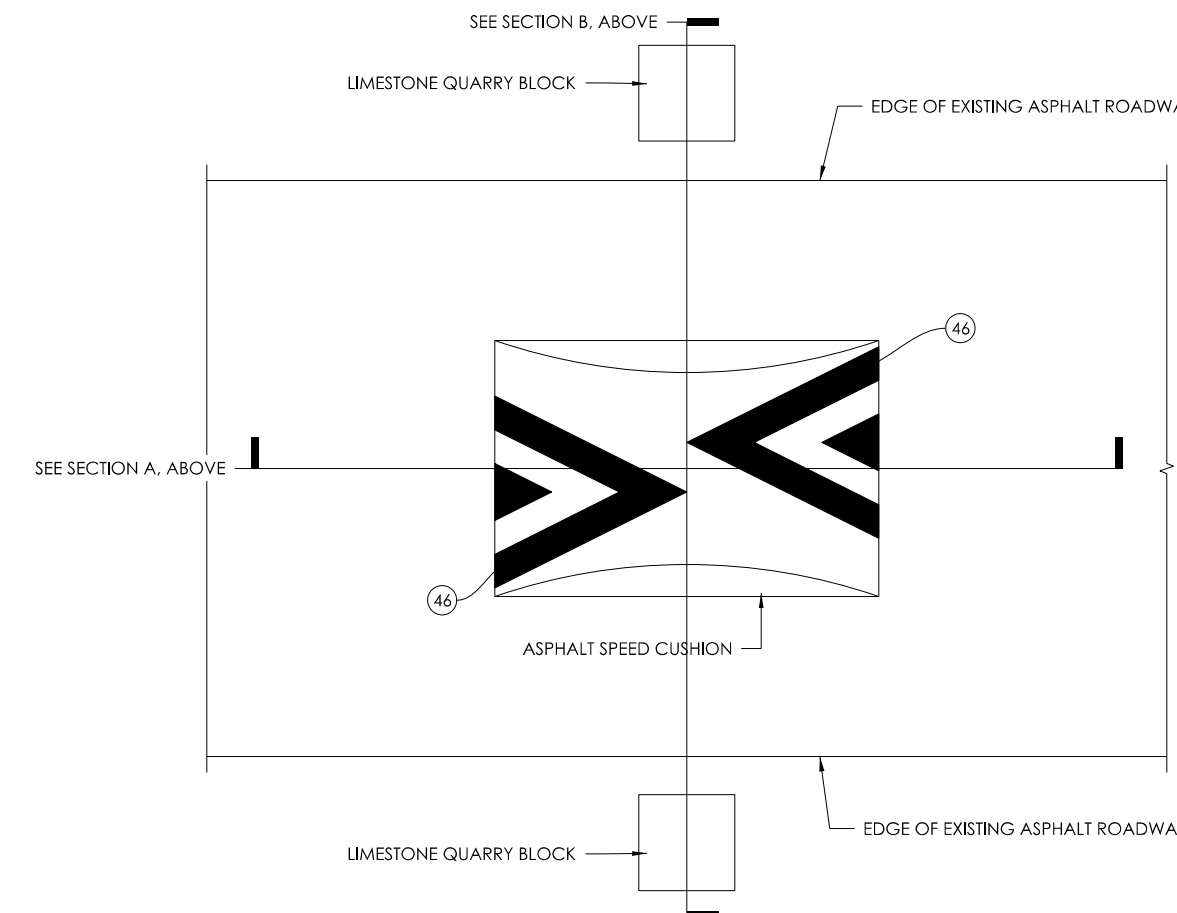
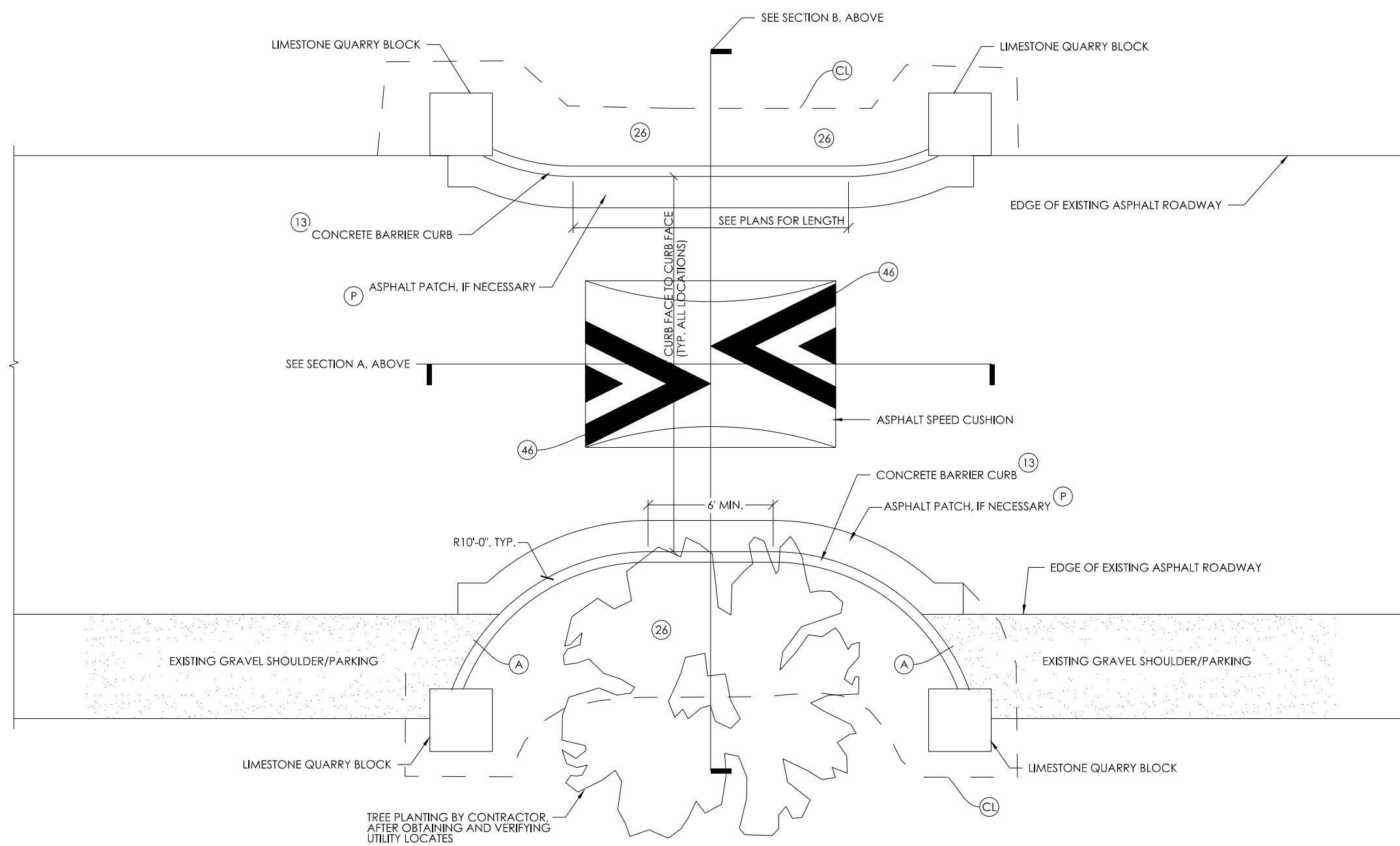
SC4 ASPHALT SPEED CUSHION FOR CURBLESS ROADWAY - SECTION
NOT TO SCALE

SC5 ASPHALT SPEED CUSHION FOR PARTIALLY CURBED ROADWAY - SECTION
NOT TO SCALE

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"

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NOTE THAT QUARRY BLOCK SHALL BE BURIED SO THAT THE EXPOSED HEIGHT ABOVE GRADE IS 18". MINIMUM BURIED DEPTH = 6"



SC3 ASPHALT SPEED CUSHION FOR CURBLESS ROADWAY - PLAN WITH ONE SIDE WIDTH RESTRICTIONS
NOT TO SCALE

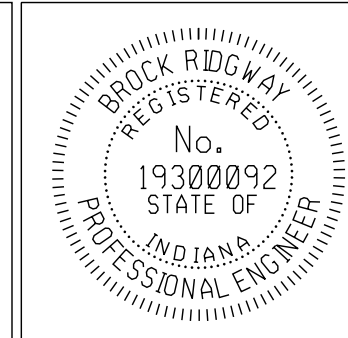
SC4 ASPHALT SPEED CUSHION FOR CURBLESS ROADWAY - PLAN
NOT TO SCALE

SC5 ASPHALT SPEED CUSHION FOR PARTIALLY CURBED ROADWAY - PLAN
NOT TO SCALE

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

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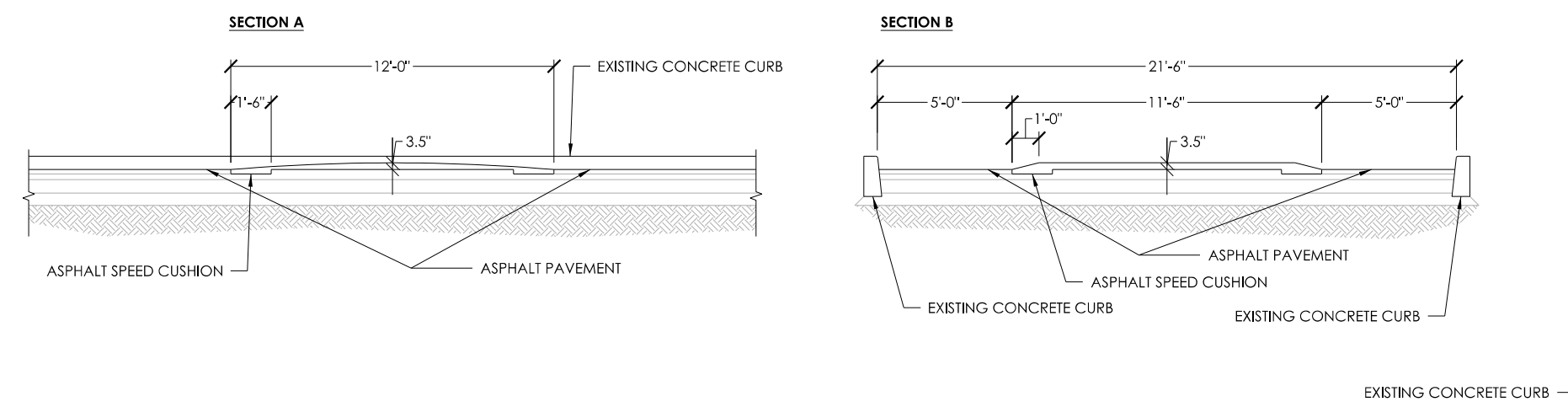


RECOMMENDED FOR APPROVAL	<i>B. Lidgum</i>	DESIGN ENGINEER	10-19-2022
DESIGNED:	BR	DRAWN:	RBA
CHECKED:	MT	CHECKED:	BR

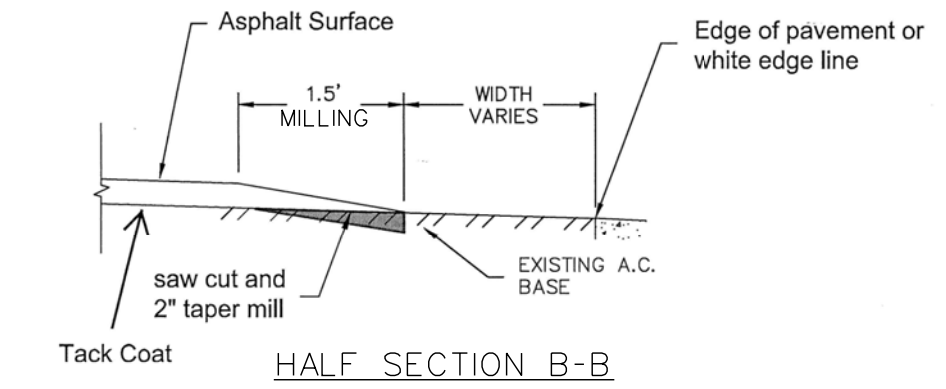
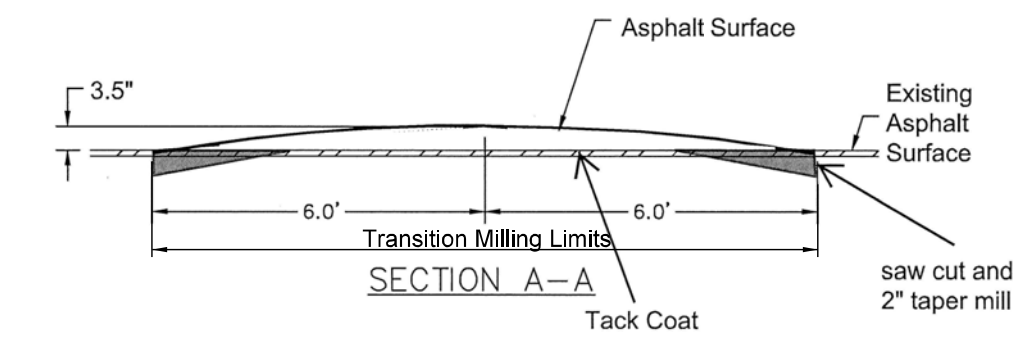
CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING

GREENWAY TREATMENT DETAILS

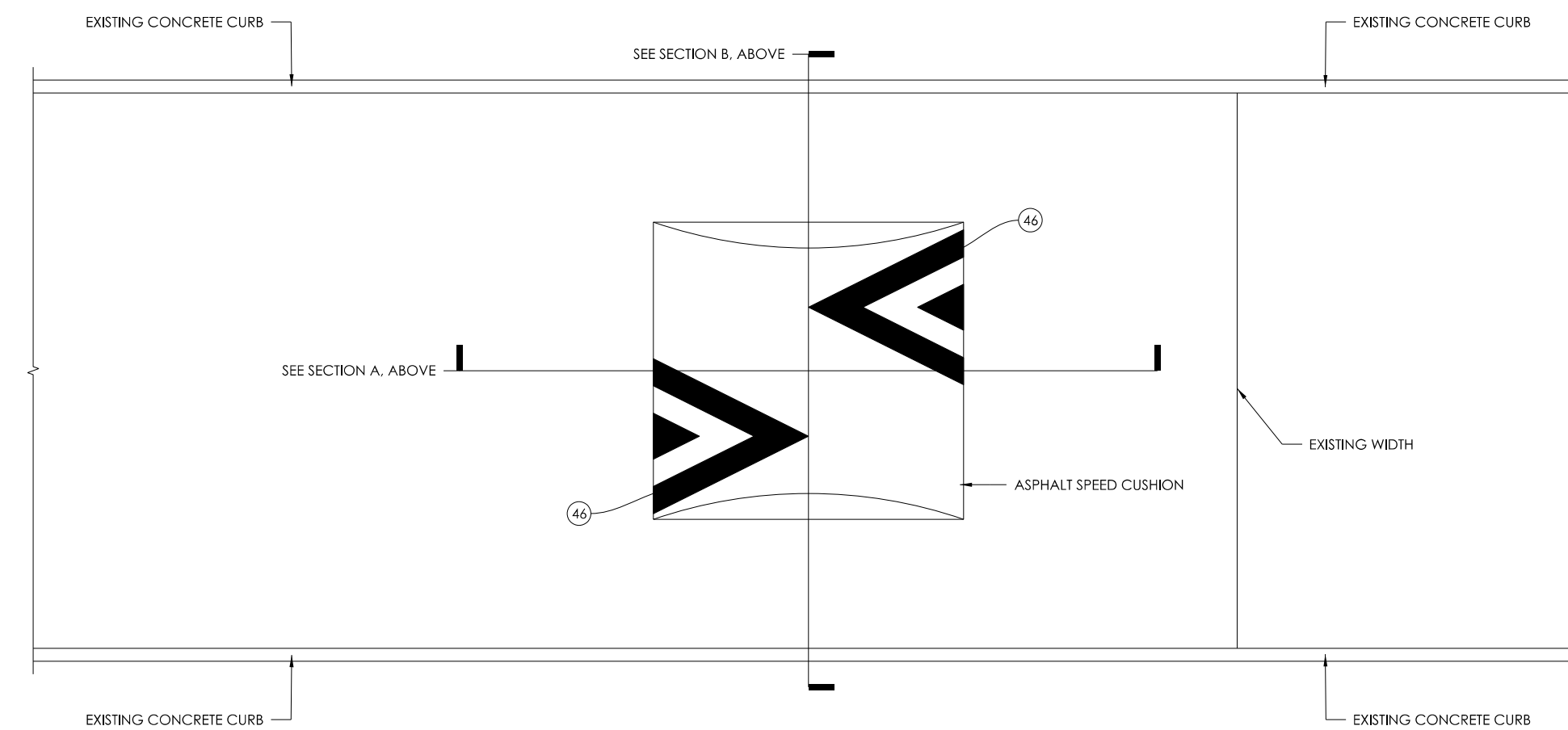
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VERTICAL SCALE			
		SHEET NUMBER	3



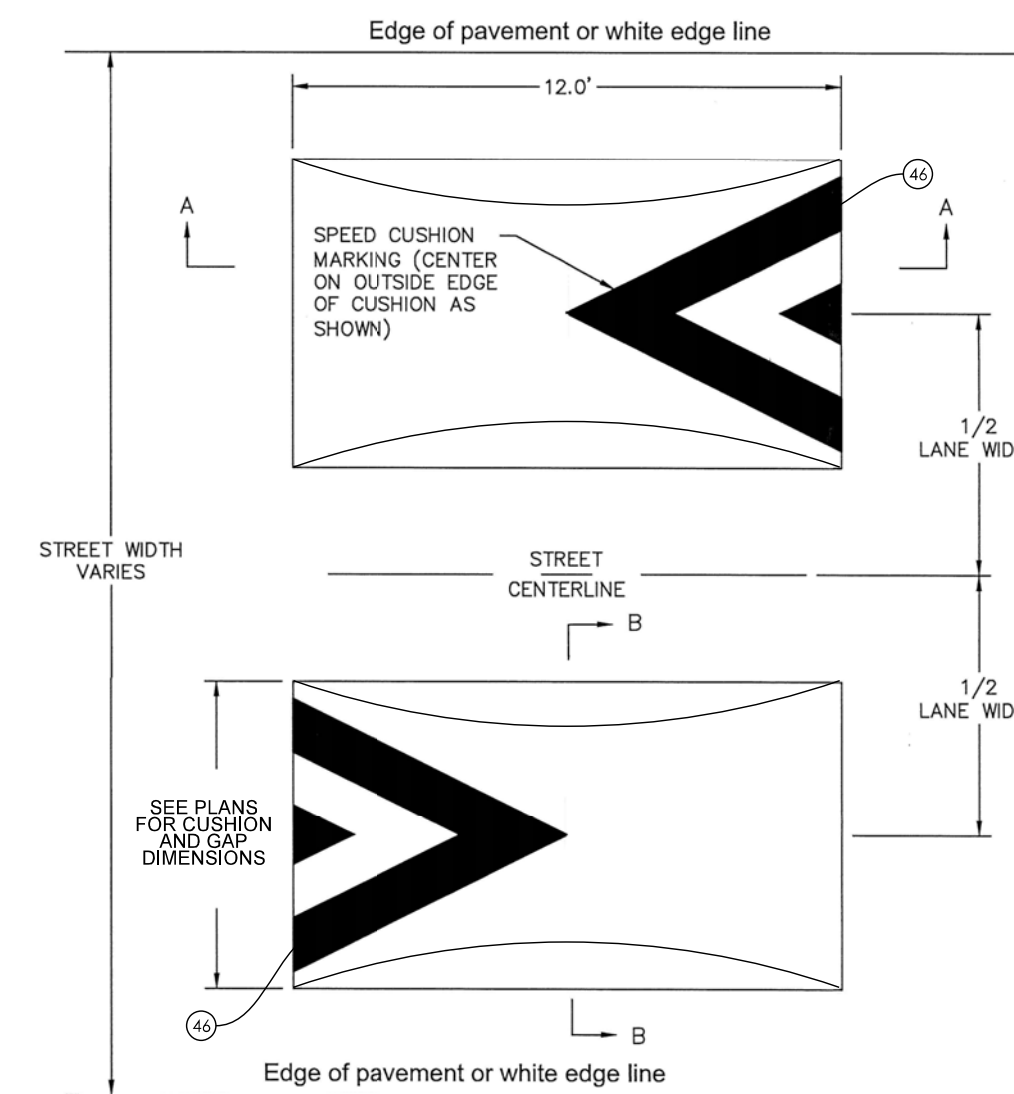
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NOT TO SCALE



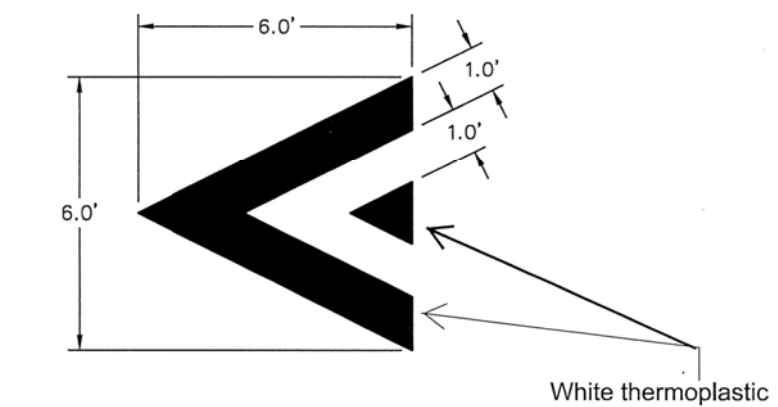
SPEED CUSHION HEIGHT TOLERANCES
NOT TO SCALE



SC6 ASPHALT SPEED CUSHION FOR FULLY CURBED ROADWAY - PLAN
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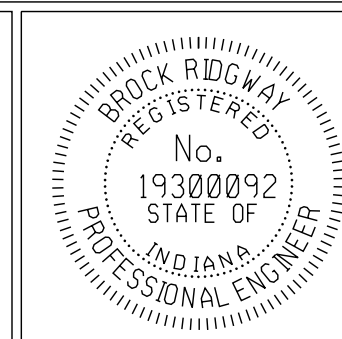


SC7 ASPHALT SPEED CUSHION FOR INSTALLATIONS WITHOUT BUMPOUTS - TWIN CUSHION INSTALLATION
NOT TO SCALE



46 SPEED CUSHION MARKING
NOT TO SCALE

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RECOMMENDED FOR APPROVAL	<i>B. Ridgway</i>	DESIGN ENGINEER	10-19-2022	DATE
DESIGNED:	BR	DRAWN:	RBA	
CHECKED:	MT	CHECKED:	BR	

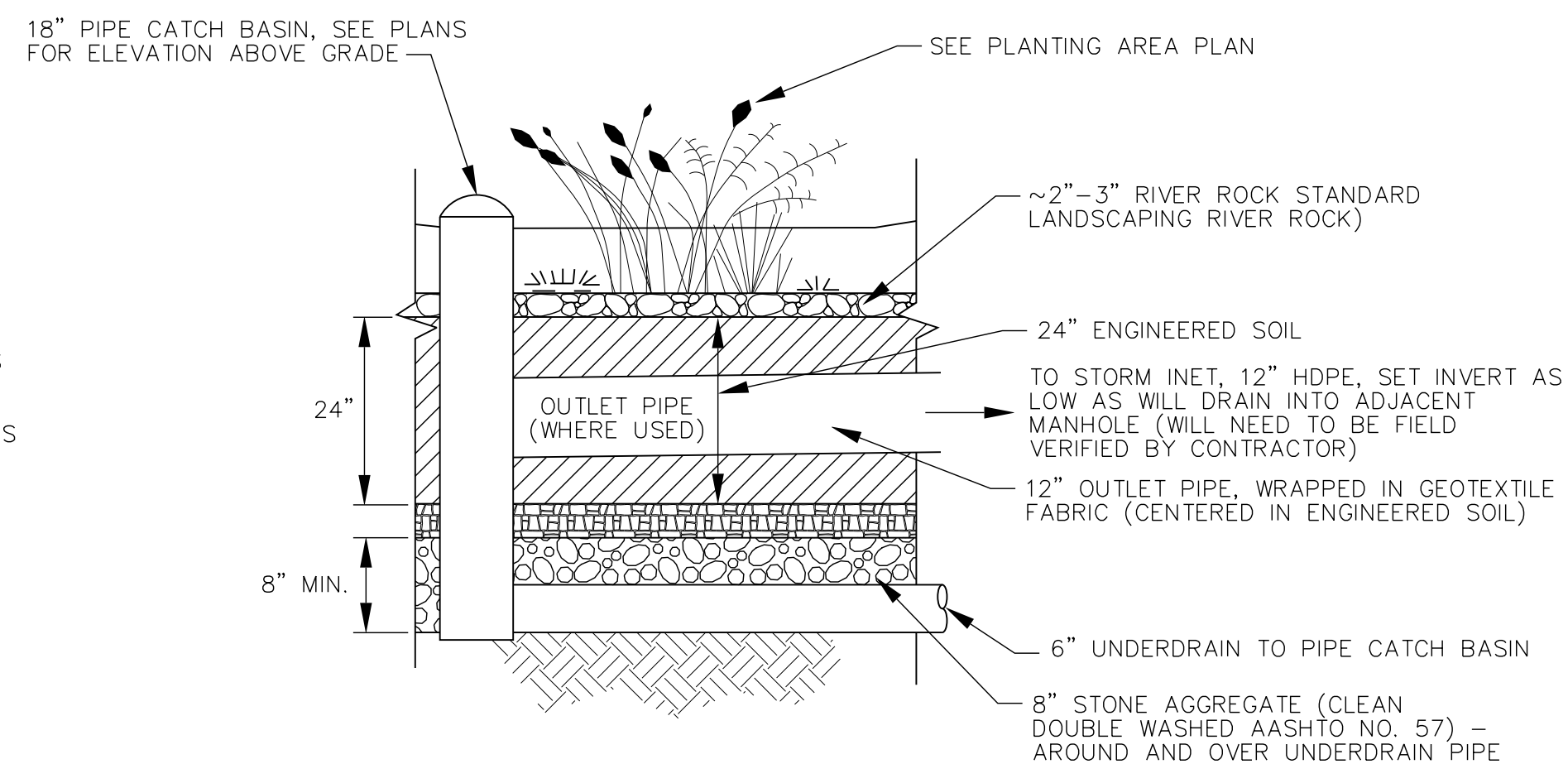
CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING

GREENWAY TREATMENT DETAILS

HORIZONTAL SCALE	ERCES PROJECT NUMBER
AS NOTED	240
VERTICAL SCALE	
	SHEET NUMBER
	4

SHEET SIGN SUMMARY TABLE																		
SIGN DATA																		
LOCATION				SIGN DESCRIPTION	SIGN CODE	SIGN SIZE (in. x in.)	RELOCATE EXISTING SIGN (Pair as Calling)	REMOVE SIGN (Pair as Calling)	NEW SIGN	ENCAPSULATED LENS METAL THICKNESS (in.)			SIGN POST			REMARKS		
BLOCK	NORTH	SOUTH	EAST							WEST	0.080	0.100	0.125	TYPE 1 2.25" x 2.25" x 12 ga. UNREINFORCED ANCHOR BASE				
														1	2		TOTAL	
STREET GREENWAY PROJECT AREA																		
E of Patterson		X			SPEED HUMP	W17-1				30 x 30			1	6.25				
Raingarden 1 (716 Allen St)	X	X			15 MPH (Advisory Plaque)	W13-1P				18 x 18			1	2.25				Mount with Speed Hump
Bumpout at 603 Allen St	X				SPEED HUMP	W13-1P				30 x 30			1	6.25				Mount with Speed Hump
W of Rogers	X	X			SPEED HUMP	W17-1				30 x 30			1	6.25				Mount with Speed Hump
	X				15 MPH (Advisory Plaque)	W13-1P				18 x 18			1	2.25				Mount with Speed Hump
	X				SPEED HUMP	W17-1				30 x 30			1	6.25				Mount with Speed Hump
	X				15 MPH (Advisory Plaque)	W13-1P				18 x 18			1	2.25				Mount with Speed Hump
Rogers, north of crossing			X		Existing Yield Here for Pedestrians	Existing	Existing			Existing			1					
Rogers, at north crosswalk			X		Existing State Law Stop for Pedestrians	R1-6a	Existing			Existing			1					Also Paint existing Yield Markings Black
Rogers, at north crosswalk				X	STATE LAW - YIELD TO PEDESTRIANS	R1-6	Existing		1	12 x 36			1	3.00				Place on existing post in center of median island
Center of Rogers, Center median					Existing Right Only and Except Bicycles	Existing	Existing	4		Existing								Reset to center of Median
Center of Rogers, South median					Existing Keep Right and No Left Turn	Existing	Existing	2		Existing								Reset to center of Median
Rogers, south of crossings	X	X			Existing Yield Here for Pedestrians	Existing	Existing			Existing			1					Also Paint existing Yield Markings Black
Rogers, at south crosswalk	X	X			Existing State Law Stop for Pedestrians	R1-6a	Existing		1	12 x 36			1	3.00				Place on new post in center of median island with relocated signs
Rogers, at south crosswalk				X	STATE LAW - YIELD TO PEDESTRIANS	R1-6	Existing		1	12 x 36			1	3.00				Place on new post in center of median island with relocated signs
East of Rogers at cushion	X				SPEED HUMP	W17-1				30 x 30			1	6.25				Mount with Speed Hump
On Madison north of Allen	X				15 MPH (Advisory Plaque)	W13-1P				18 x 18			1	2.25				Mount with Speed Hump
On Morton, 65' south of Alley	X	X			SPEED HUMP	W17-1				30 x 30			1	6.25				Mount with Speed Hump
On Morton, north of Allen	X				SPEED HUMP	W17-1				30 x 30			1	6.25				Mount with Speed Hump
On Morton, north of Allen			X		15 MPH (Advisory Plaque)	W13-1P				18 x 18			1	2.25				Mount with Speed Hump
At B Line and Allen	X				Existing Stop	Existing	Existing			Existing			1					Reset Stop sign to new stop bar location
At B Line and Allen	X	X			Existing Trail Signs Stop and Cross Traffic	Existing	Existing		4	Existing								Leave decorative posts in place
TOTALS													7	10				132
PAY UNIT													EACH	EACH				LFT

NOTE:
PAVEMENT MARKINGS AND SIGNS SHALL BE INSTALLED BEFORE OPENING ANY LANE TO TRAFFIC THAT IS OCCUPIED BY A SPEED CUSHION. TEMPORARY MARKINGS MAY BE USED UP TO TWO WEEKS IN LIEU OF PERMANENT MARKINGS. NO ADDITIONAL PAYMENT WILL BE MADE FOR TEMPORARY MARKINGS.



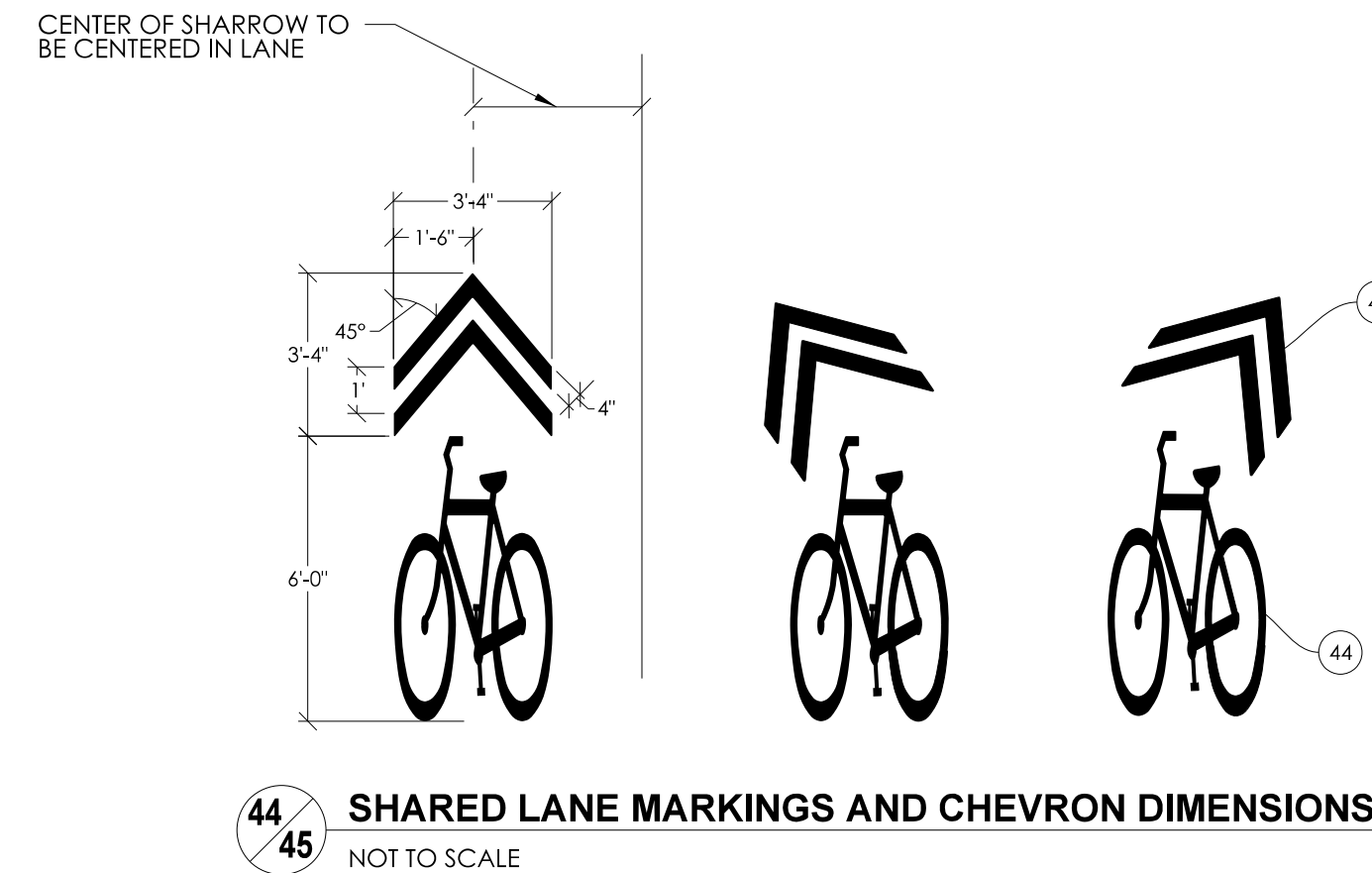
RAINGARDEN SECTION FOR LOCATIONS WITH UNDERDRAIN AND OVERFLOW TO STORM SEWER

NOT TO SCALE

NOTE:
PIPE CATCH BASIN (OVERFLOW STRUCTURE) TO RECEIVE WATER FROM UNDERDRAIN PIPES, BUT THE OUTLET PIPE TO THE STORM SYSTEM SHALL BE FIELD DETERMINED TO FLOW TO ADJACENT MANHOLE. IT MAY BE HIGHER THAN UNDERDRAINS SUCH THAT THE UNDERDRAINS ARE FULL PRIOR TO SURCHARGING INTO MANHOLE.

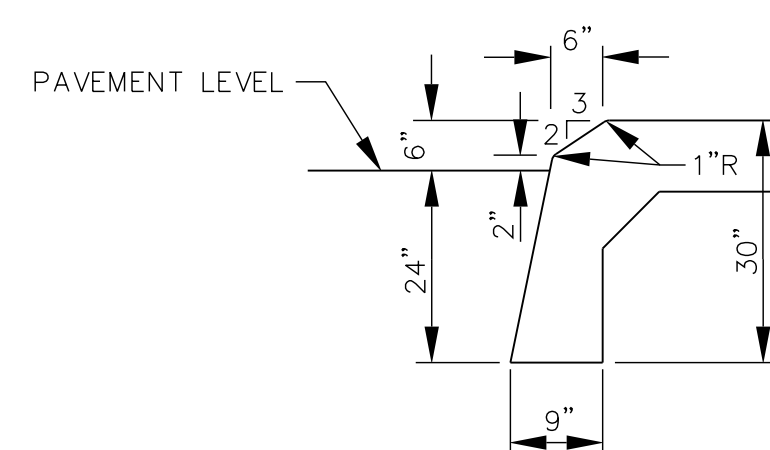
RAINGARDEN NOTES:

1. RAINGARDENS WITHOUT UNDERDRAINS OR OVERFLOW STRUCTURES SHALL INCLUDE ONLY THE 24" ENGINEERED SOIL OVERTOPPED WITH A WEED PREVENTATIVE GEOFABRIC AND 2"-3" OF RIVERROCK COVER.
2. GEOFABRIC TO BE CUT OUT FOR PLANTINGS.
3. RIPRAP-RIVER ROCK AT ENTRY AND EXIT POINTS SHALL BE LARGER AGGREGATE THAN LANDSCAPING RIVER ROCK BUT OF SAME COLORS AND SHAPE (COBBLE STONES, ETC.)
4. RIVER ROCK AND RIPRAP-RIVER ROCK TO BE APPROVED IN ADVANCE BY ENGINEER.
5. EACH END OF UNDERDRAINS SHALL HAVE A VERTICAL CLEANOUT WITH CAP EXTENDED ABOVE GRADE.



44 45 SHARED LANE MARKINGS AND CHEVRON DIMENSIONS

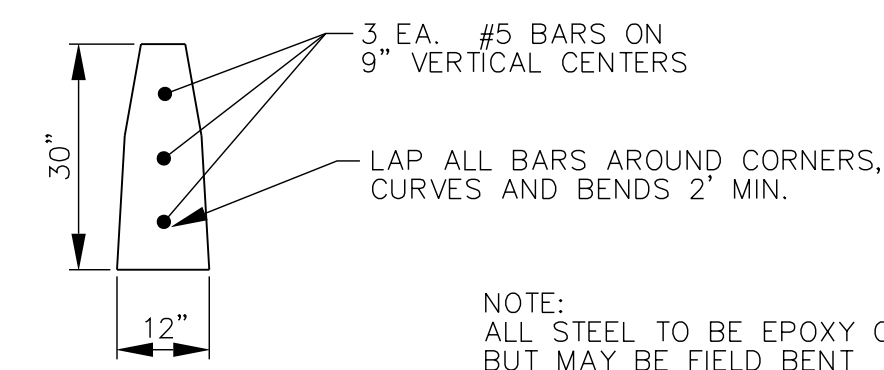
NOT TO SCALE



12 CONCRETE CURB (MOUNTABLE PROFILE)

NOT TO SCALE

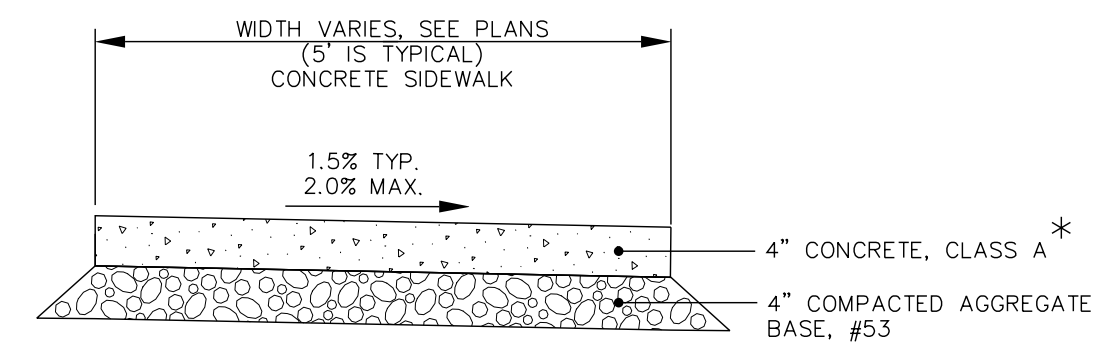
WHERE THIS PROFILE IS USED, IT IS PAID AS PART OF CENTER CURB, B



14 REINFORCED CONCRETE CURB FOR RAINGARDENS

NOT TO SCALE

NOTE:
ALL STEEL TO BE EPOXY COATED, BUT MAY BE FIELD BENT



F TYPICAL SIDEWALK DETAIL

NOT TO SCALE

* F6 DENOTES 6" THICK SIDEWALK

SIDEWALK JOINT NOTES:

1. INSTALL 1/2" PREFORMED JOINT FILLER BETWEEN SIDEWALKS AND ANY OTHER FIXED FEATURES (CURBS, STEPS, RAMPS, BUILDINGS, ETC.)
2. IN EACH SIDEWALK SEGMENT, TOOL CONSTRUCTION JOINTS AT EVEN SPACING BUT NO MORE THAN 6' MAXIMUM APART. INSTALL AN EXPANSION JOINT WITH 1/2" PREFORMED JOINT FILLER AT A MAXIMUM SPACING EVERY 30' IN SIDEWALKS, AND AT EACH SIDEWALK CONNECTION TO OTHER SIDEWALKS, AT CURBS, AND AT RAMPS.
3. CONTRACTION AND EXPANSION JOINTS SHALL BE INSTALLED BY TOOLING, BUT FINAL SURFACE SHALL BE BROOM FINISHED. NO "WINDOW-PANE" OR SIMILAR TOOLING SHALL BE USED.

CONCRETE SLAB JOINT NOTES:

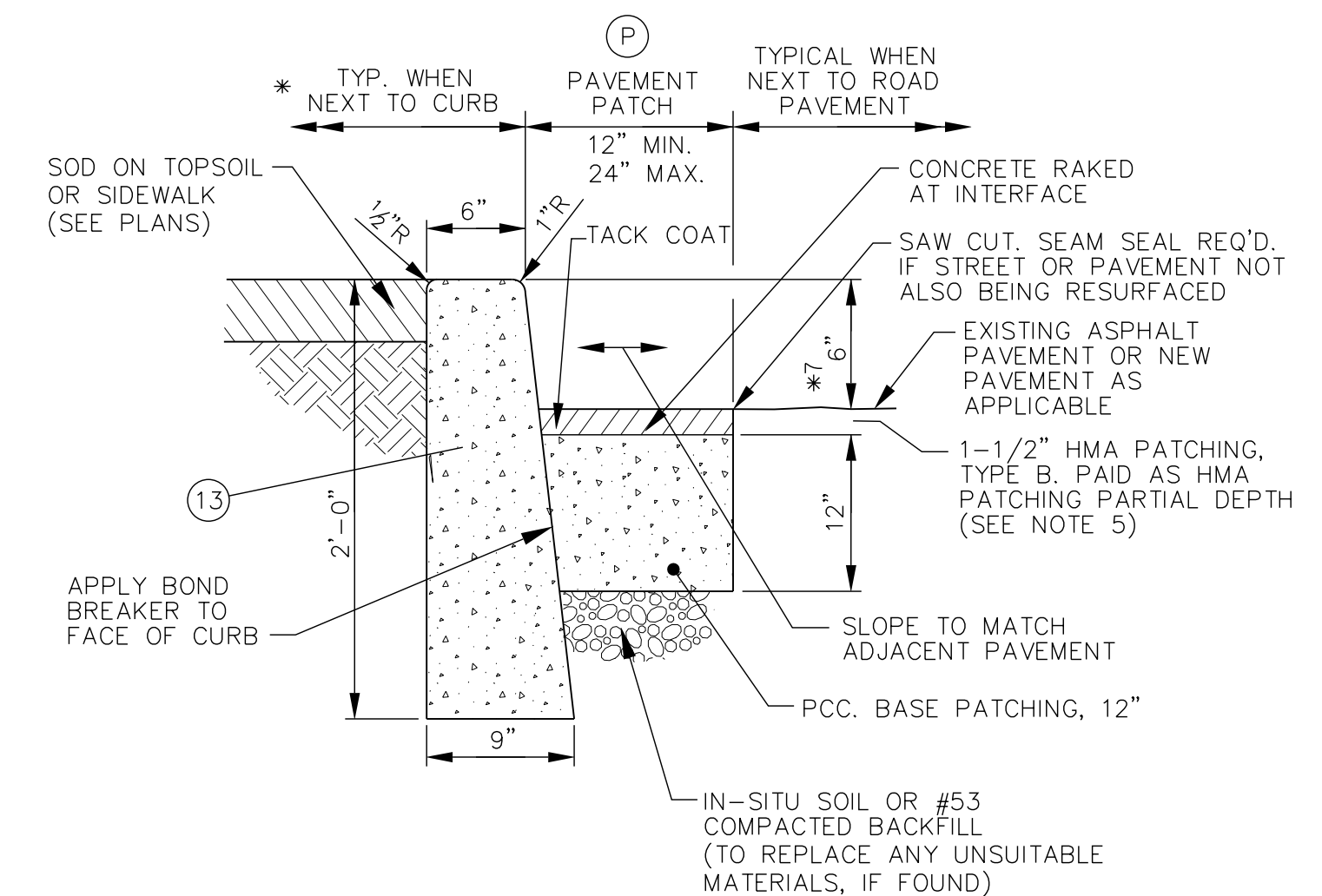
1. CONCRETE SLAB CONSTRUCTION AND EXPANSION JOINTS SHALL BE IN ACCORDANCE WITH INDOT STANDARDS.

CURB JOINT NOTES:

1. ALL CURBS SHALL RECEIVE A FULL DEPTH EXPANSION JOINT FORMED WITH 1/2" PREFORMED JOINT FILLER AT THE FOLLOWING LOCATIONS:
 - EVERY EXPANSION JOINT IN ADJACENT SIDEWALKS OR MEDIAN BUFFER STRIP
 - AT EACH RADIUS POINT
 - ON EITHER SIDE OF CURB INLETS OR OTHER CASTINGS
 - AT SAWCUT, LIMITS OF REMOVAL TO ANY EXISTING CURB
 - AT 100' MAXIMUM INTERVALS, IF NO OTHER JOINTS NEEDED
2. CURBS & COMBINED CURB AND GUTTER SHALL RECEIVE A TOOLED CONTRACTION JOINT AT 20' MAXIMUM SPACING.

CURB RAMPS AND TRUNCATED DOMES:

1. RAMPS TO BE CONSTRUCTED AT A MAXIMUM 12:1 SLOPE TO A LANDING AREA FOR ENTRY ONTO ROADWAY PER PLANS.

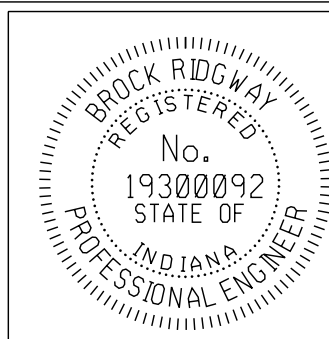


13 P PAVEMENT PATCH / CONCRETE CURB (VERTICAL)

NOT TO SCALE

NOTES:

- * 1. AREA BEHIND CURBS TO RECEIVE TREATMENT AS SHOWN ON PLANS.
2. REFER TO CURB JOINTS NOTES FOR CURB JOINTING.
3. PAVEMENT PATCHING MAY NOT BE REQUIRED IF EXISTING PAVEMENT CAN BE REMOVED TO A CLEAN AND STRAIGHT EDGE AT FRONT OF PROPOSED CURB OR GUTTER. OWNER APPROVAL IS REQUIRED.
4. PAVEMENT PATCHING REQUIRED WHEREVER PAVEMENT IS CUT, AND WHERE EXISTING PAVEMENT IS DAMAGED TO COMPLETE THE REQUIRED CURB, DRIVE OR SIDEWALK WORK.
5. CONTRACTOR SHALL ASSUME THEY ARE TO PLACE THE ASPHALT OVERLAY ON ALL PATCHED AREAS UNLESS OTHERWISE DIRECTED.
6. PATCHING PORTION OF THIS DETAIL TO ALSO BE USED WITH 14 REINFORCED CONCRETE CURB FOR RAINGARDENS.
7. CURB HEIGHT VARIES, CHECK PLANS FOR VARIATIONS FROM 6", OTHER TYPICAL HEIGHT IS 6".

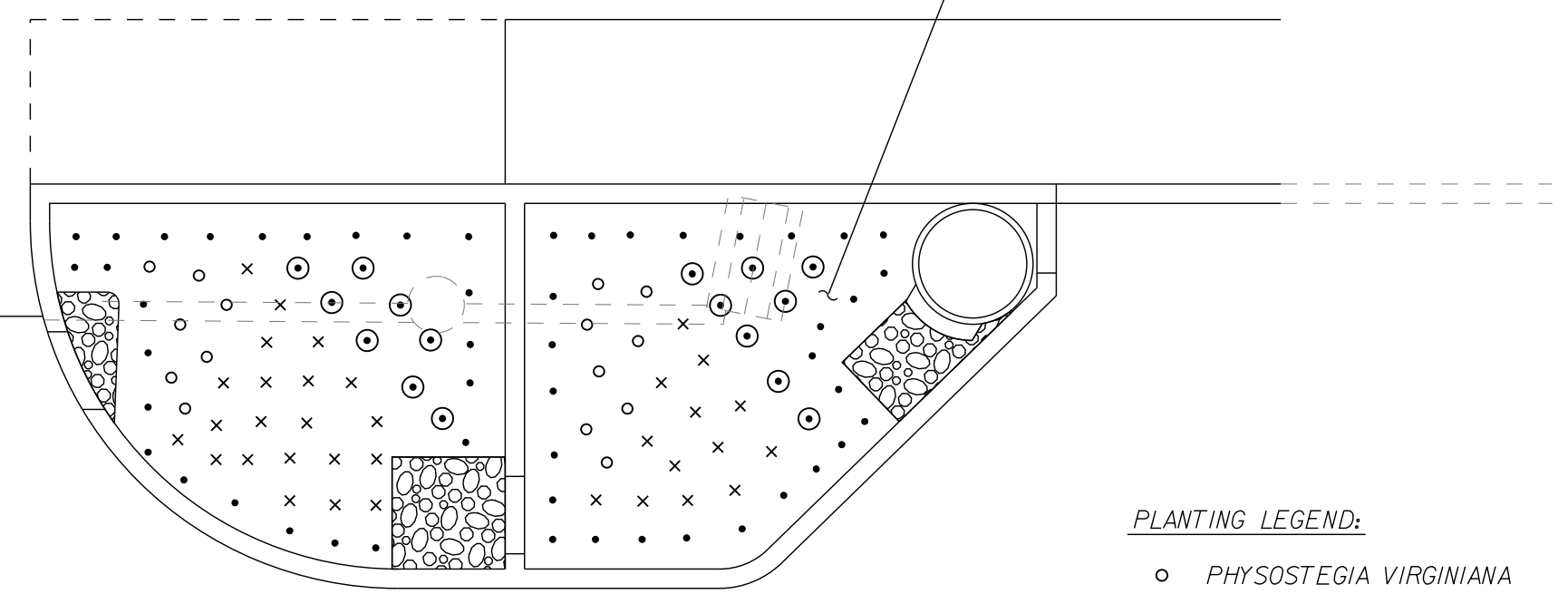
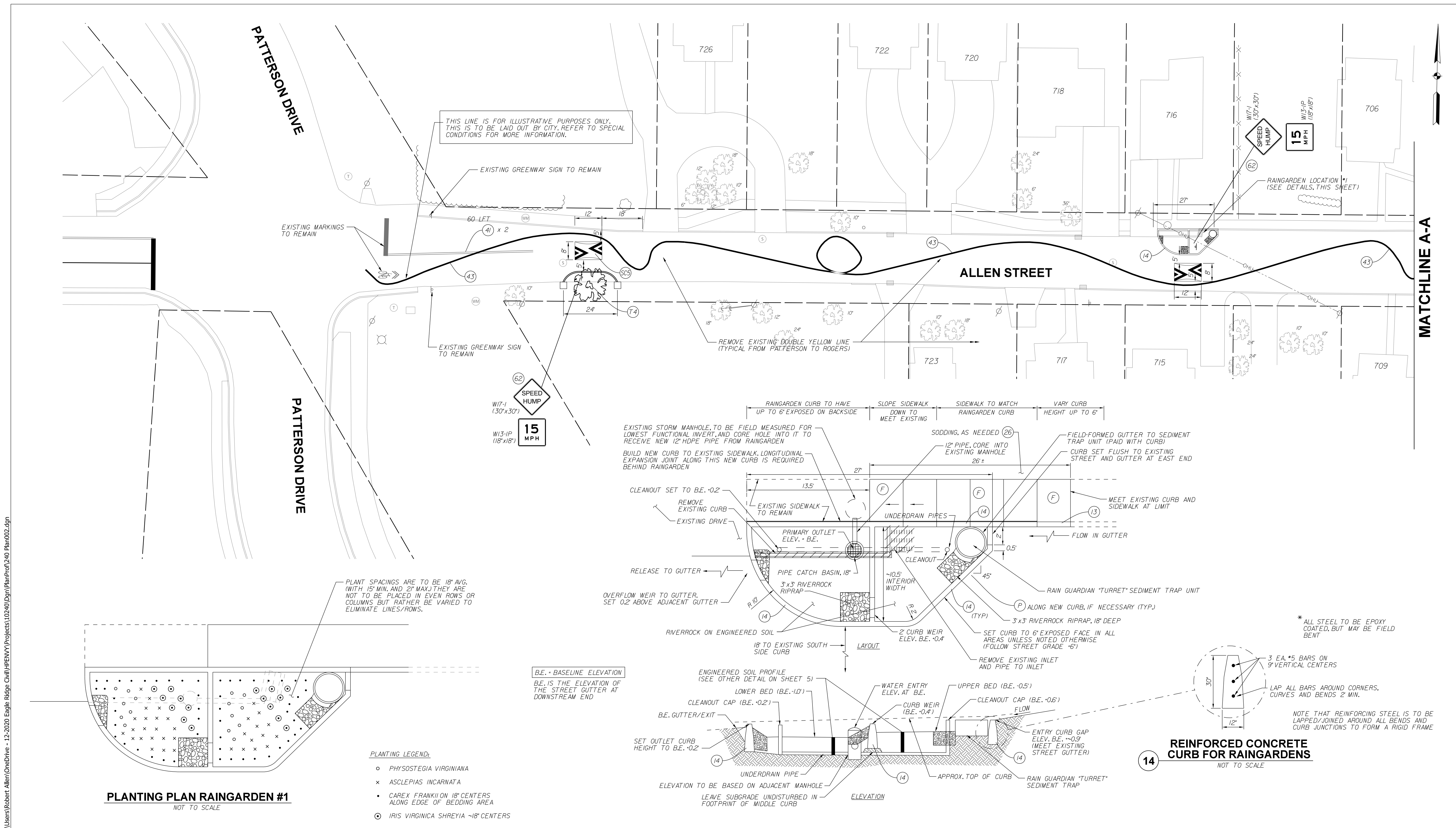


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CHECKED:	MT	CHECKED:	BR	

**CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING**

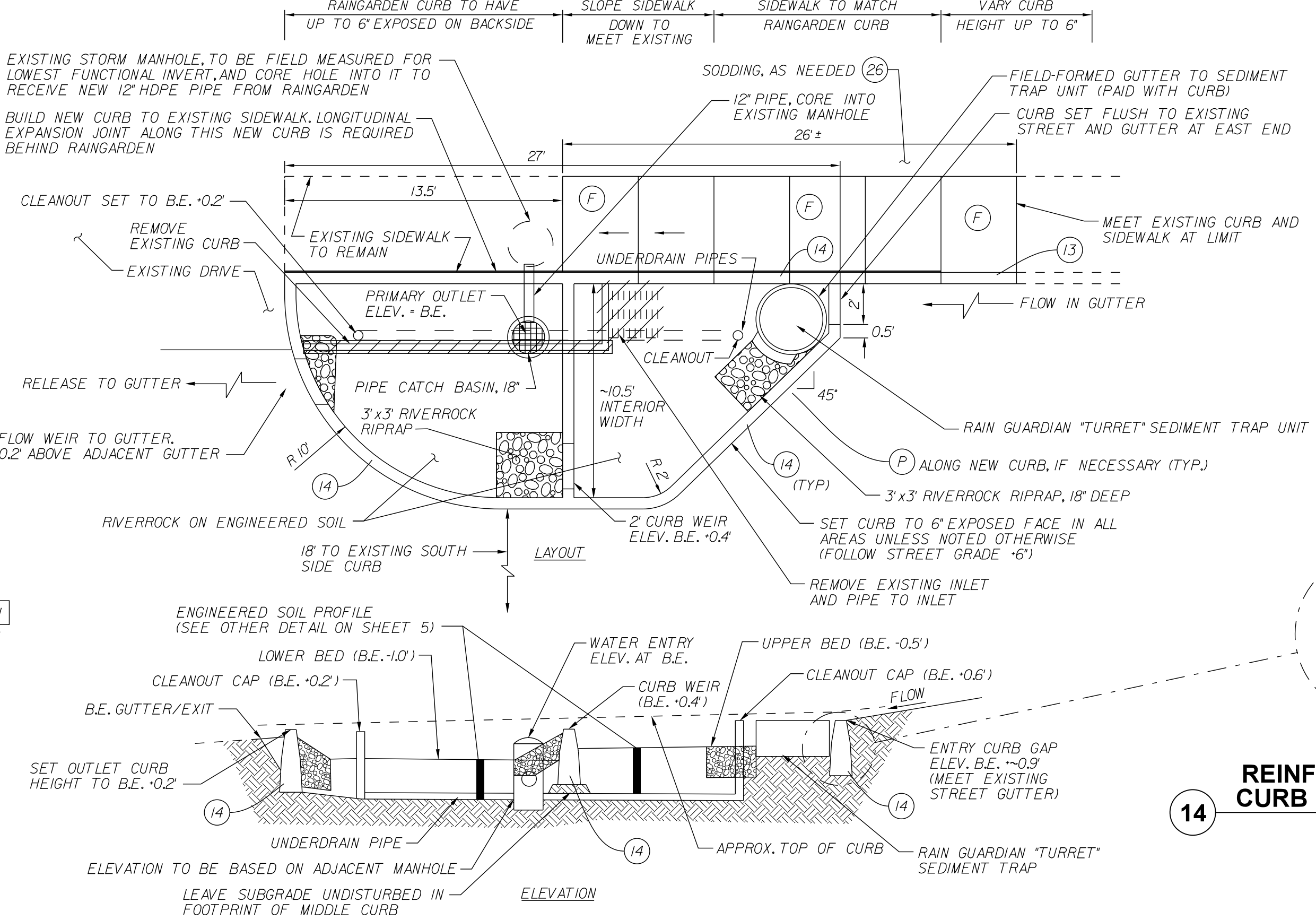
MISCELLANEOUS DETAILS

HORIZONTAL SCALE	ERCS PROJECT NUMBER
AS NOTED	240
VERTICAL SCALE	
	SHEET NUMBER
	5

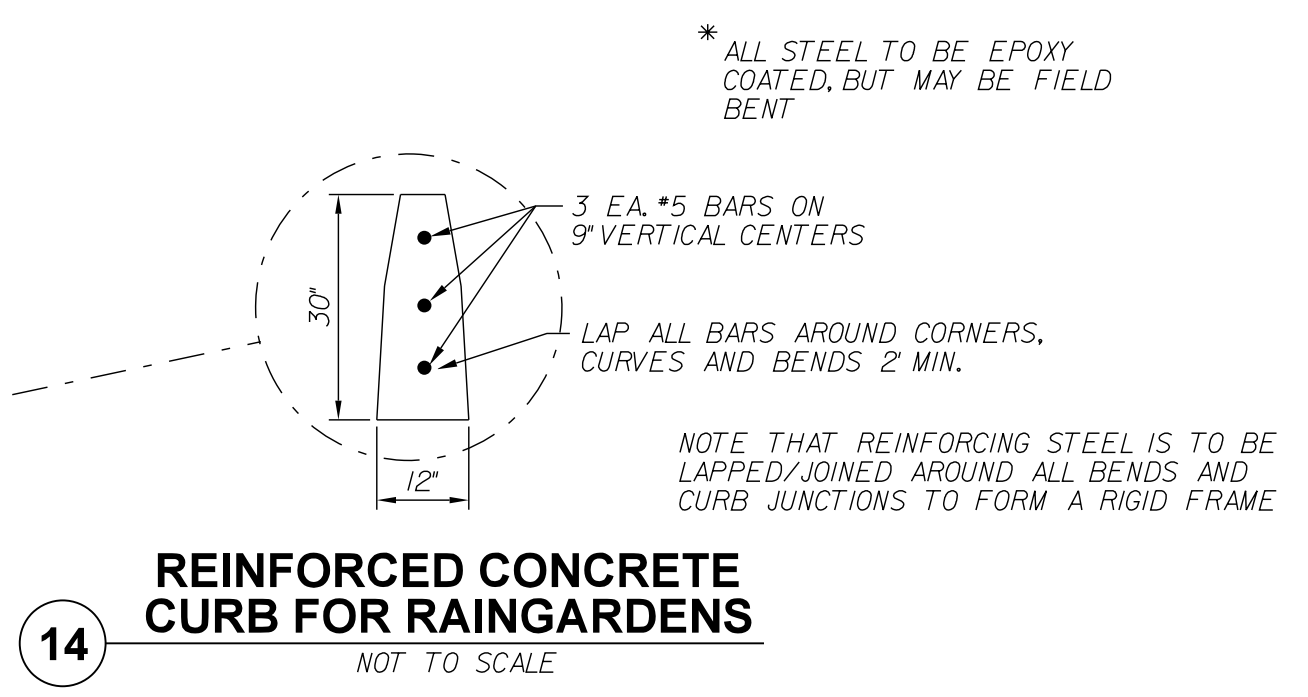


PLANTING PLAN RAINGARDEN #1
NOT TO SCALE

- PLANTING LEGEND:**
- PHYSOSTEGIA VIRGINIANA
 - × ASCLEPIAS INCARNATA
 - ◻ CAREX FRANKII ON 18" CENTERS ALONG EDGE OF BEDDING AREA
 - ◐ IRIS VIRGINICA SHREYIA ~18" CENTERS



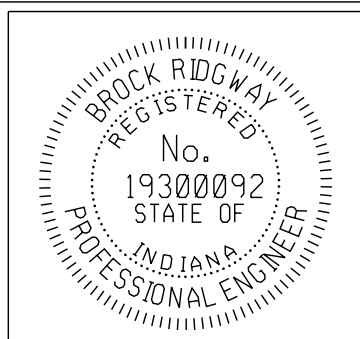
RAINGARDEN #1
1"=4'-0"



REINFORCED CONCRETE CURB FOR RAINGARDENS
NOT TO SCALE

LEGEND:

13	CONCRETE CURB	43	4" GREENWAY RIBBON MARKING, THERMOPLASTIC
14	REINFORCED CONCRETE CURB	62	NEW SIGN ON TYPE I POST WITH UNREINFORCED ANCHOR BASE
26	NURSERY SODDED AREA - INCLUDED UP TO 6" TOPSOIL UNLESS OTHERWISE NOTED	F	CONCRETE SIDEWALK, 4" ON 4" COMPACTED AGGREGATE
41	4" YELLOW, SOLID LINE, THERMOPLASTIC	P	PCCP FOR PATCHING, 12" WITH 1.5" HMA OVERLAY



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Bridgway
DESIGN ENGINEER

10-19-2022 DATE

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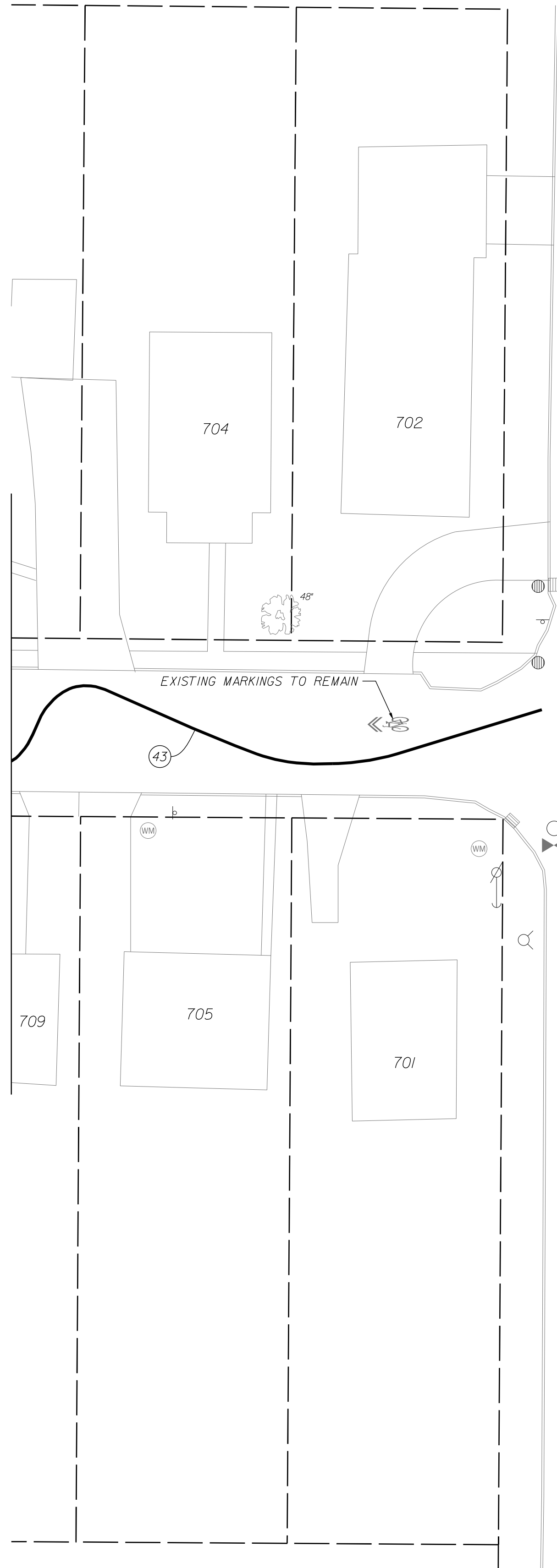
**NEIGHBORHOOD GREENWAY PLANS
ALLEN STREET**

HORIZONTAL SCALE 1" = 20'-0"	ERCES PROJECT NUMBER 240
VERTICAL SCALE	SHEET NUMBER 7

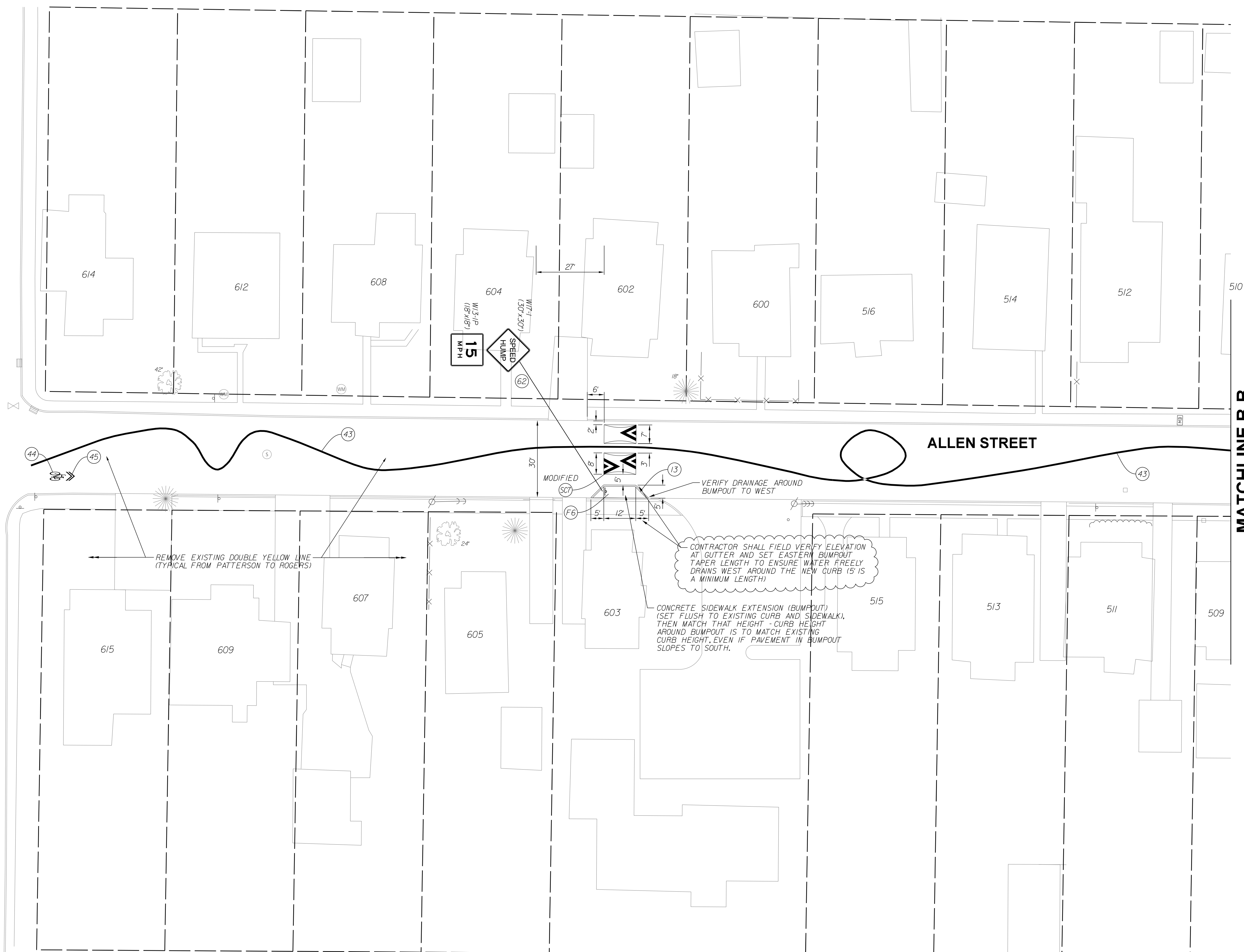
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 10/26/2022

MATCHLINE A-A



FAIRVIEW STREET

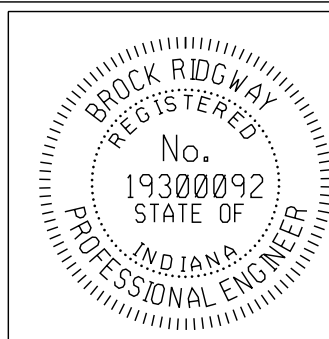


MATCHLINE B-B



LEGEND:

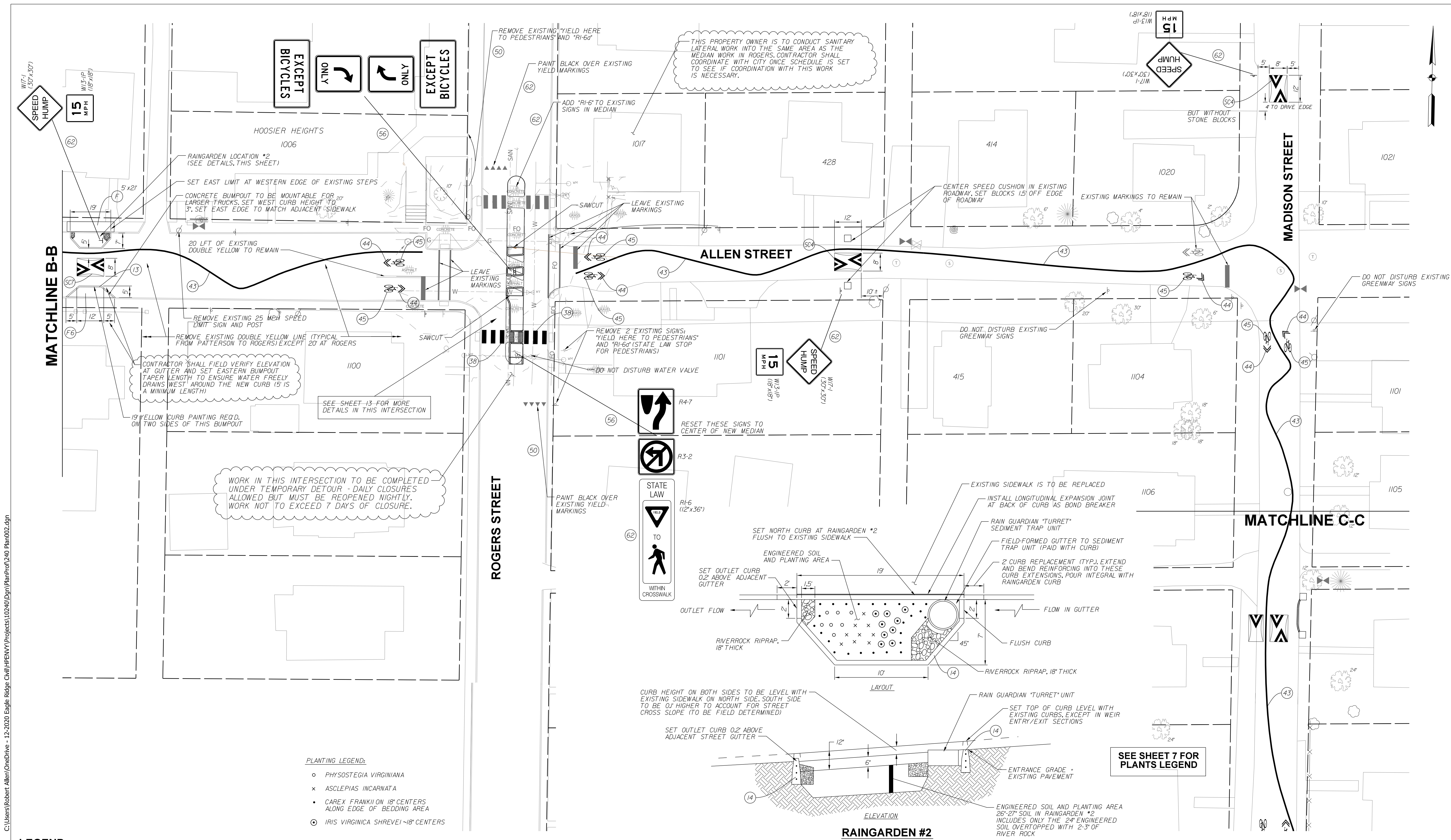
- | | |
|---|--|
| (13) CONCRETE CURB | (F6) CONCRETE SIDEWALK, 6' ON 4\"/> |
| (43) 4\"/> | |
| (44) BIKE SYMBOLS, THERMOPLASTIC | (62) NEW SIGN ON TYPE I POST WITH UNREINFORCED ANCHOR BASE |
| (45) WHITE CHEVRONS (FOR BIKE ROUTE), THERMOPLASTIC | |



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CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING
NEIGHBORHOOD GREENWAY PLANS
ALLEN STREET

HORIZONTAL SCALE	ERCS PROJECT NUMBER
1" = 20'-0"	240
VERTICAL SCALE	
	SHEET NUMBER
	8

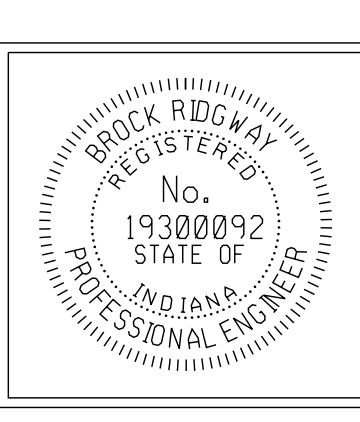


LEGEND:

(13) CONCRETE CURB	(41) 4" YELLOW, SOLID LINE, THERMOPLASTIC	(56) RESET EXISTING SIGN ON NEW TYPE I POST WITH UNREINFORCED ANCHOR BASE
(14) REINFORCED CONCRETE CURB	(43) 4" GREENWAY RIBBON MARKING, THERMOPLASTIC	(62) NEW SIGN ON TYPE I POST WITH UNREINFORCED ANCHOR BASE
(26) NURSERY SODDED AREA - INCLUDED UP TO 6" TOPSOIL UNLESS OTHERWISE NOTED	(44) BIKE SYMBOLS, THERMOPLASTIC	(F) CONCRETE SIDEWALK, 4" ON 4" COMPACTED AGGREGATE
(38) 24" WHITE LINES FOR CROSSWALKS OR STOP BARS, THERMOPLASTIC	(45) WHITE CHEVRONS (FOR BIKE ROUTE), THERMOPLASTIC	(P) PCCP FOR PATCHING, 12" WITH 15" HMA OVERLAY
	(50) REMOVE EXISTING SIGN AND POST	

PLANTING LEGEND:

- PHYSOSTEGIA VIRGINIANA
- × ASCLEPIAS INCARNATA
- CAREX FRANKII ON 18" CENTERS ALONG EDGE OF BEDDING AREA
- ⊙ IRIS VIRGINICA SHREVEI ~18" CENTERS



RECOMMENDED FOR APPROVAL: *Bridgway* DESIGN ENGINEER 10-19-2022 DATE

DESIGNED: BR DRAWN: RBA

CHECKED: MT CHECKED: BR

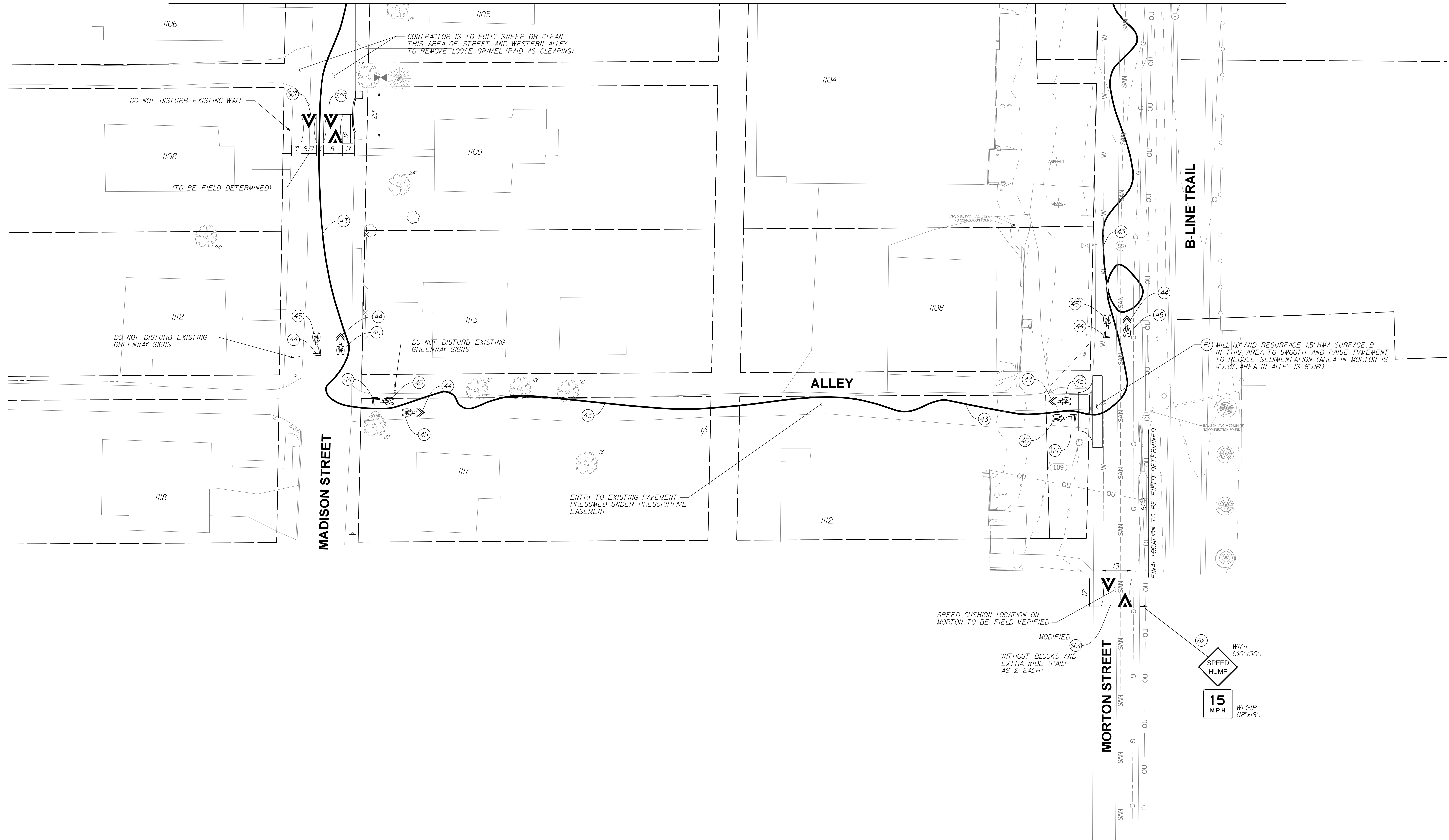
CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING

NEIGHBORHOOD GREENWAY PLANS
ALLEN STREET

HORIZONTAL SCALE 1" = 20'-0"	ERCES PROJECT NUMBER 240
VERTICAL SCALE	
	SHEET NUMBER 9

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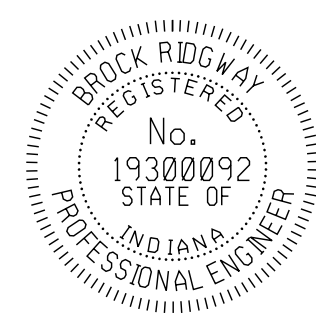
MATCHLINE C-C



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LEGEND:

- (43) 4" GREENWAY RIBBON MARKING, THERMOPLASTIC
- (44) BIKE SYMBOLS, THERMOPLASTIC
- (45) WHITE CHEVRONS (FOR BIKE ROUTE), THERMOPLASTIC
- (62) NEW SIGN ON TYPE I POST WITH UNREINFORCED ANCHOR BASE

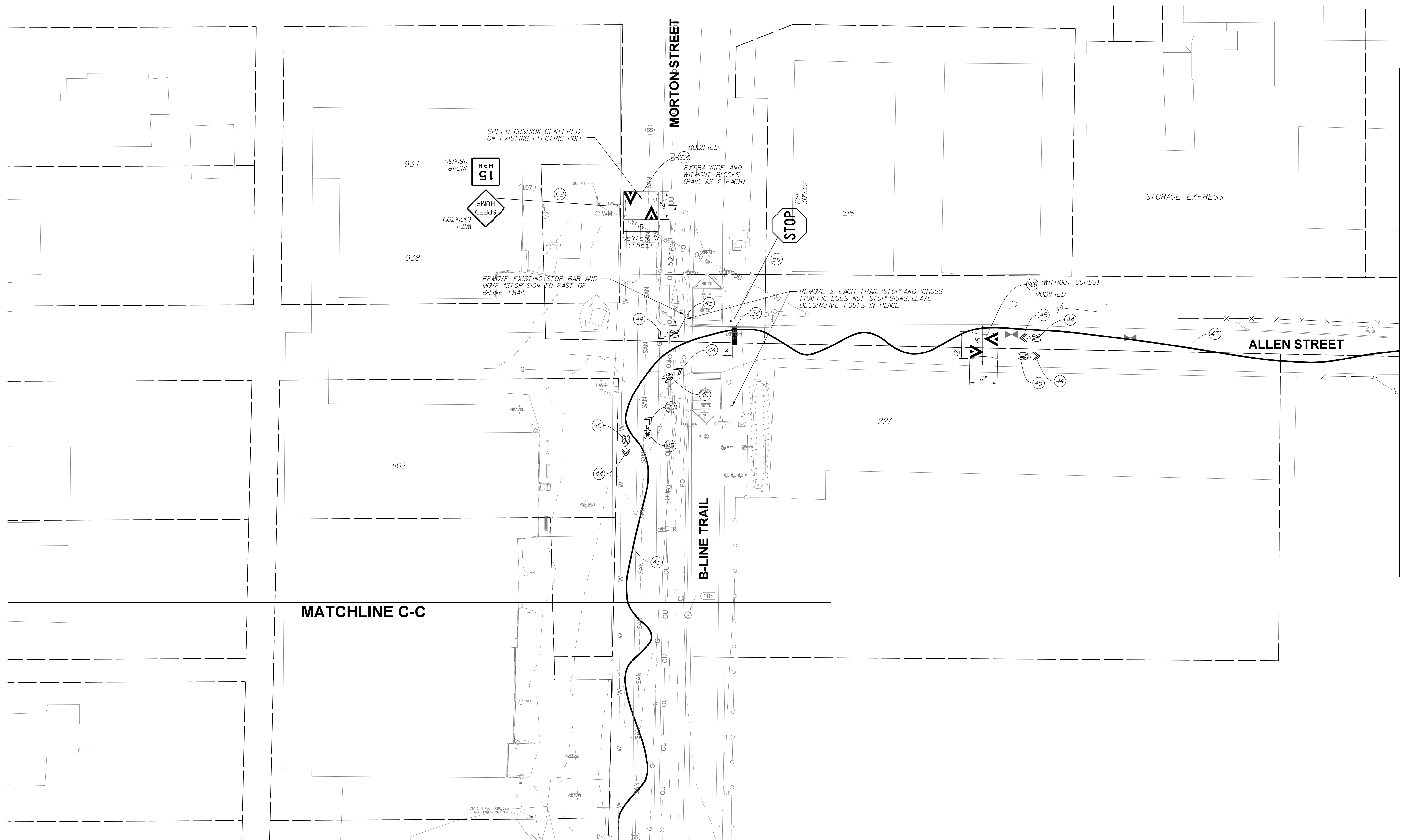


RECOMMENDED FOR APPROVAL	<i>B. Ridgway</i>	DESIGN ENGINEER	10-19-2022
DESIGNED:	BR	DRAWN:	RBA
CHECKED:	MT	CHECKED:	BR

CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING
NEIGHBORHOOD GREENWAY PLANS
ALLEN STREET

HORIZONTAL SCALE	1" = 20'-0"	ERCES PROJECT NUMBER	240
VERTICAL SCALE		SHEET NUMBER	10

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LEGEND:

- (38) 24" WHITE LINES FOR CROSSWALKS OR STOP BARS, THERMOPLASTIC
- (43) 4" GREENWAY RIBBON MARKING, THERMOPLASTIC
- (44) BIKE SYMBOLS, THERMOPLASTIC
- (45) WHITE CHEVRONS (FOR BIKE ROUTE), THERMOPLASTIC
- (62) NEW SIGN ON TYPE 1 POST WITH UNREINFORCED ANCHOR BASE



RECOMMENDED FOR APPROVAL	<i>Bridgway</i>	DESIGN ENGINEER	10-19-2022	DATE
DESIGNED:	BR	DRAWN:	RBA	
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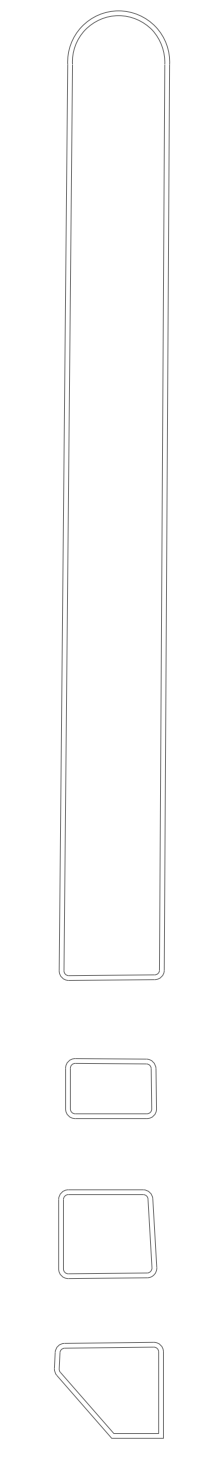
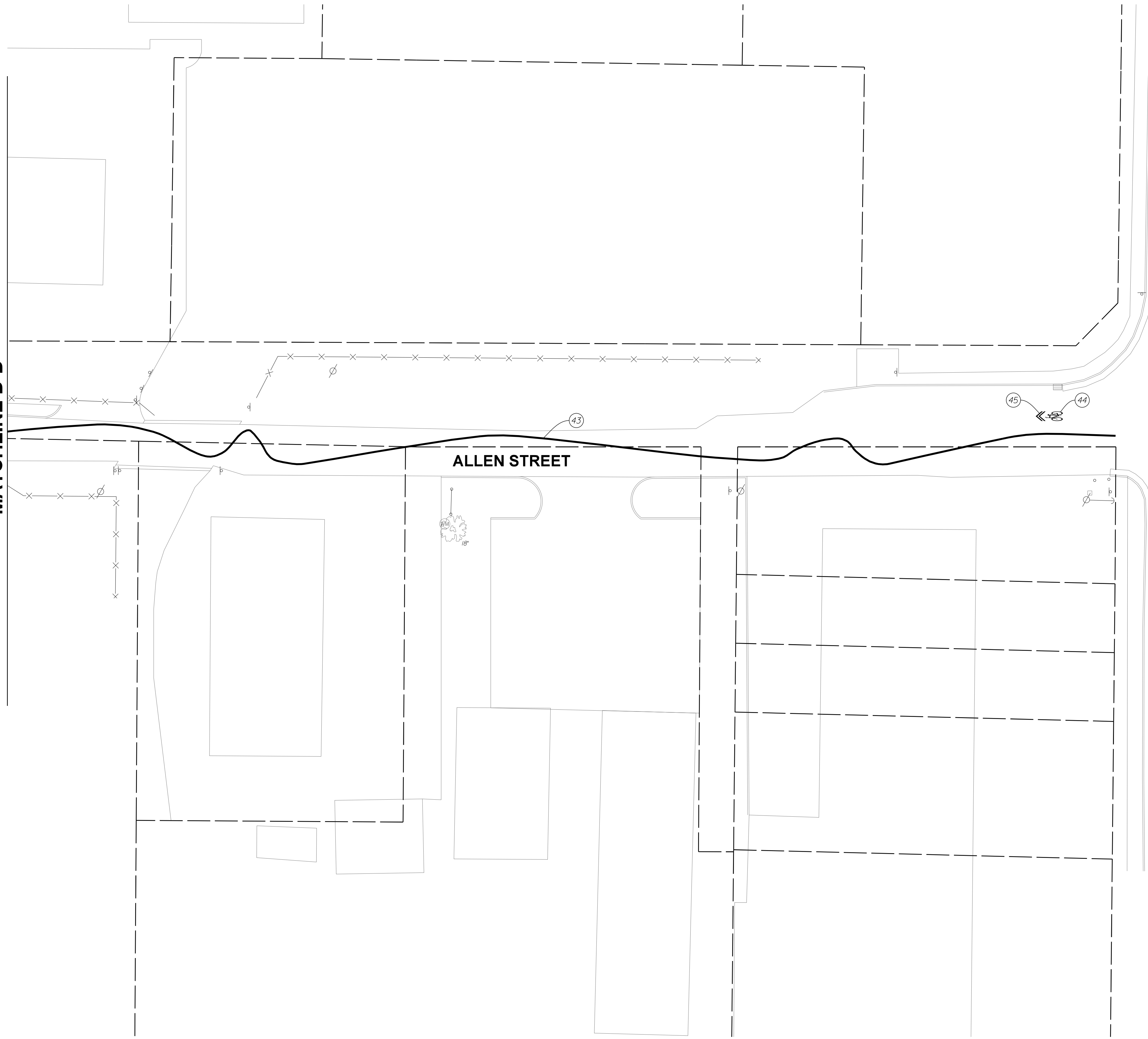
CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING

NEIGHBORHOOD GREENWAY PLANS
ALLEN STREET

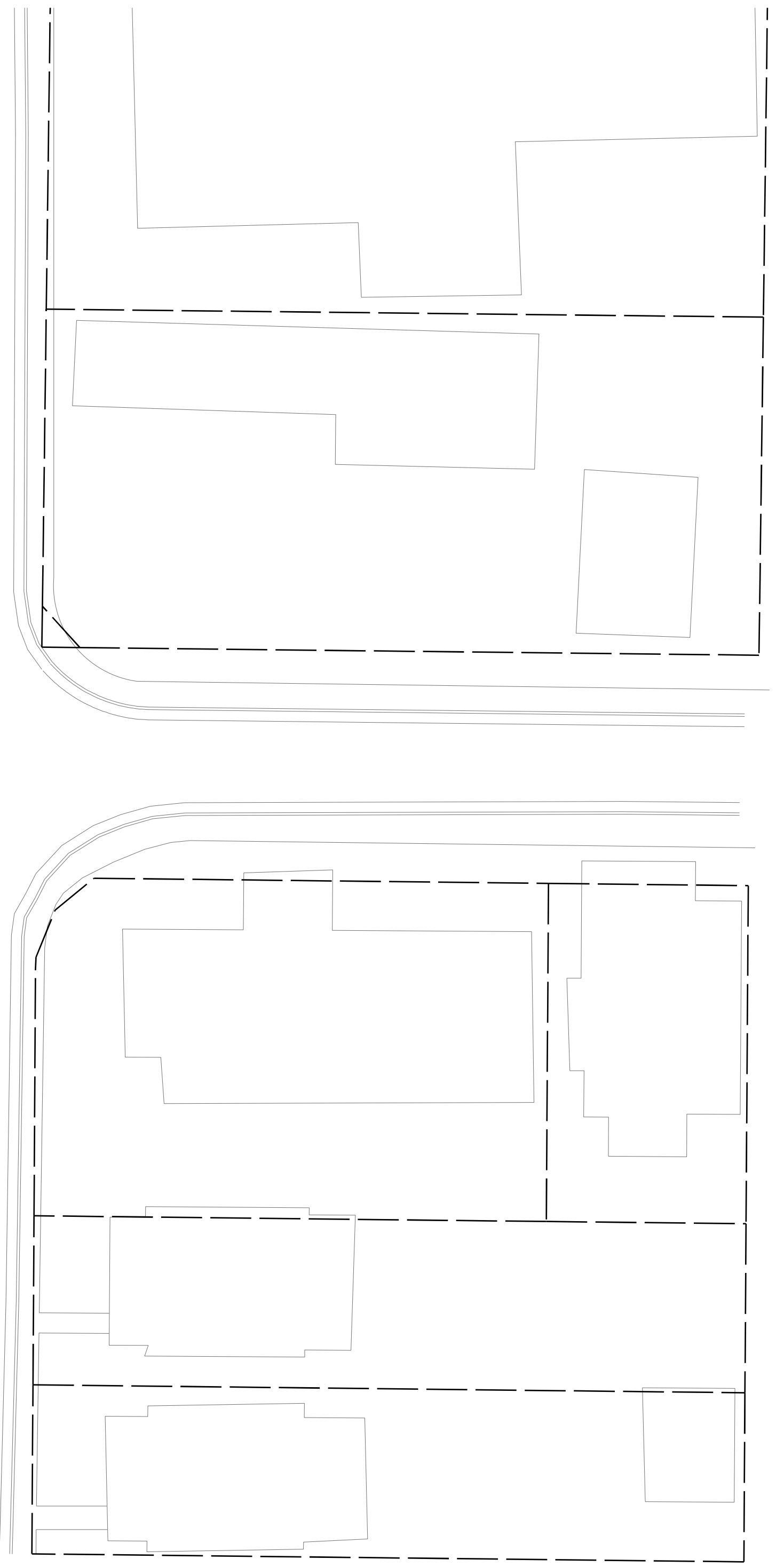
HORIZONTAL SCALE	ERCS PROJECT NUMBER
1" = 20'-0"	240
VERTICAL SCALE	
	SHEET NUMBER
	11

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MATCHLINE D-D

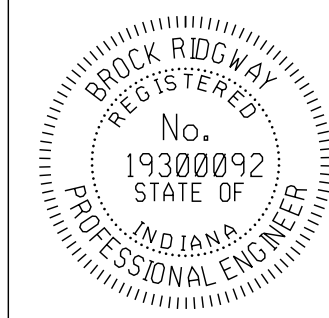


WALNUT STREET



LEGEND:

- 43 4" GREENWAY RIBBON MARKING, THERMOPLASTIC
- 44 BIKE SYMBOLS, THERMOPLASTIC
- 45 WHITE CHEVRONS (FOR BIKE ROUTE), THERMOPLASTIC

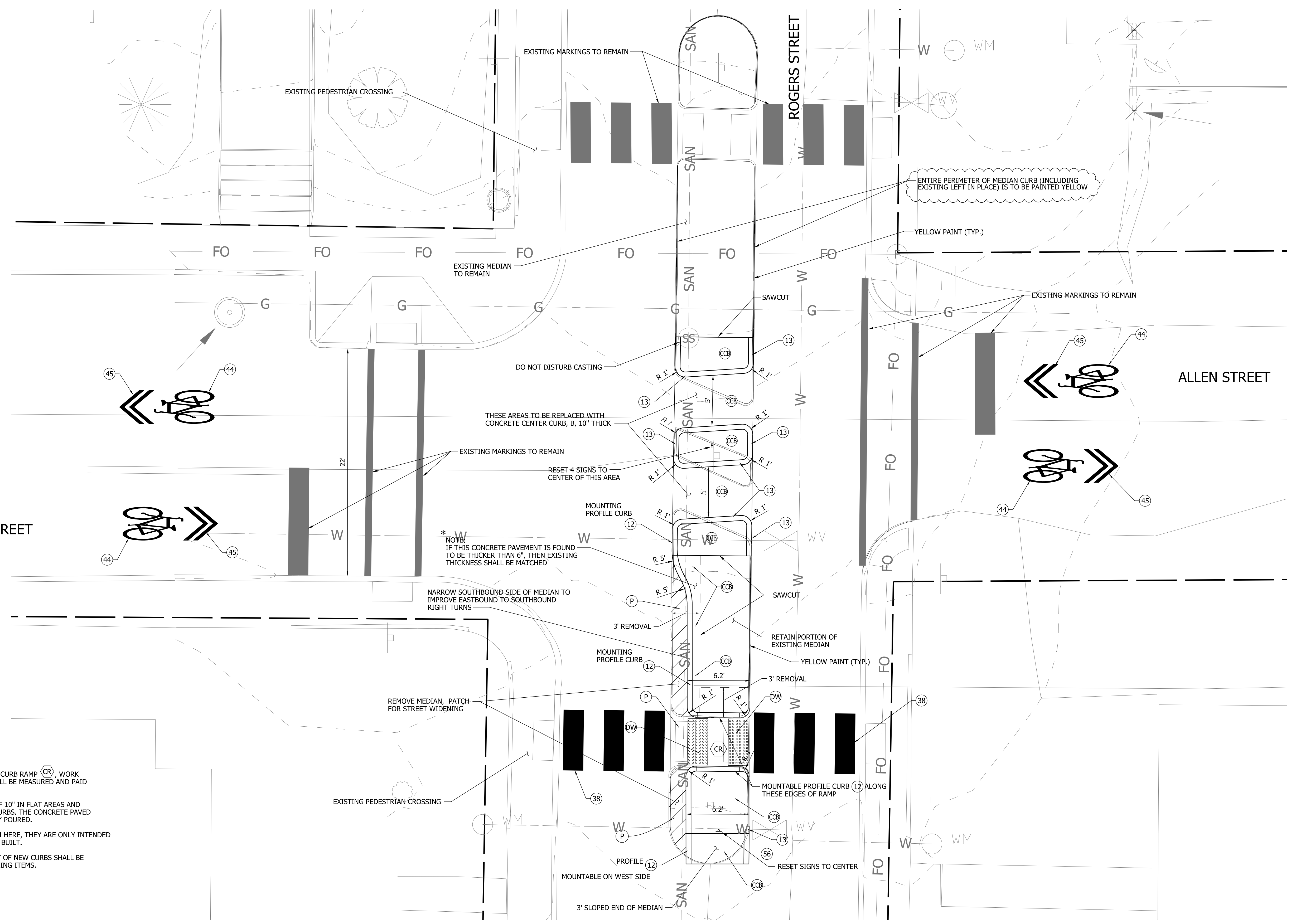


RECOMMENDED FOR APPROVAL	<i>B. Ridgway</i>	DESIGN ENGINEER	10-19-2022	DATE
DESIGNED:	BR	DRAWN:	RBA	
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CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING

NEIGHBORHOOD GREENWAY PLANS
ALLEN STREET

HORIZONTAL SCALE	ERCS PROJECT NUMBER
1" = 20'-0"	240
VERTICAL SCALE	
	SHEET NUMBER
	12



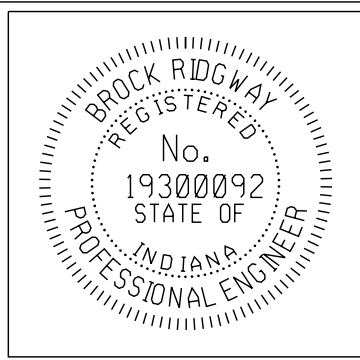
NOTES:

- EXCEPT FOR THE AREA DESIGNATED AS CURB RAMP (CR), WORK FOR THE CENTER MEDIAN ISLANDS SHALL BE MEASURED AND PAID AS CENTER CURB, B.
- CONCRETE SHALL HAVE A THICKNESS OF 10" IN FLAT AREAS AND POURED TO 24" DEEP (30" TOTAL) IN CURBS. THE CONCRETE PAVED AREAS AND CURB SHALL BE INTEGRALLY POURED.
- WHERE CURBS (12) OR (13) ARE SHOWN HERE, THEY ARE ONLY INTENDED TO INDICATE THE CURB PROFILE TO BE BUILT.
- PATCHING AND RESURFACING IN FRONT OF NEW CURBS SHALL BE MEASURED AND PAID AS STREET PATCHING ITEMS.

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SIGN AND PAVEMENT MARKINGS LEGEND ITEMS:

- | | | |
|--|--|---|
| (38) 24" WHITE LINES FOR CROSSWALKS OR STOP BARS, THERMOPLASTIC | (42) 4" DOUBLE YELLOW, THERMOPLASTIC, SKIP LINE (4' LINE, 8' GAP) | (50) REMOVE EXISTING SIGN AND POST |
| (39) 8" WHITE LINES FOR CROSSWALKS, THERMOPLASTIC | (44) BIKE SYMBOLS, THERMOPLASTIC (USE APPROVED PRIMER WHEN IN CONCRETE) | (56) RESET EXISTING SIGN ON NEW TYPE 1 POST |
| (40) ARROW, THERMOPLASTIC (USE APPROVED PRIMER WHEN IN CONCRETE) | (45) WHITE CHEVRONS (FOR BIKE ROUTE), THERMOPLASTIC | (62) NEW SIGN ON TYPE 1 POST |
| (41) 4" YELLOW, SOLID LINE, THERMOPLASTIC | (46) 4" YELLOW DASH LINE, 2' LINE, 4' GAP (USE APPROVED PRIMER WHEN IN CONCRETE) | (DW) DETECTABLE WARNING |
| | | (TS) TURNING SPACE MAX. 2% |

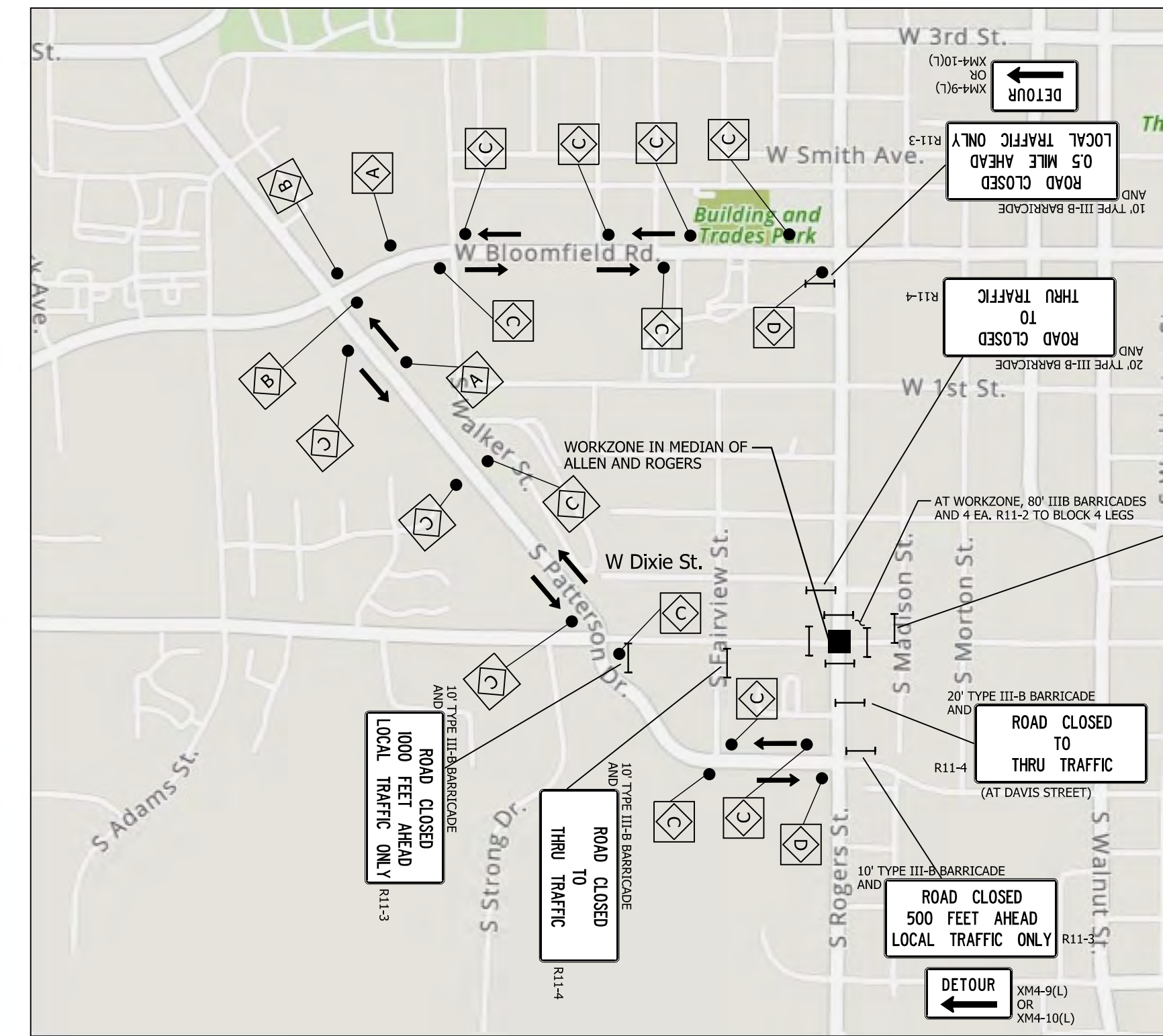
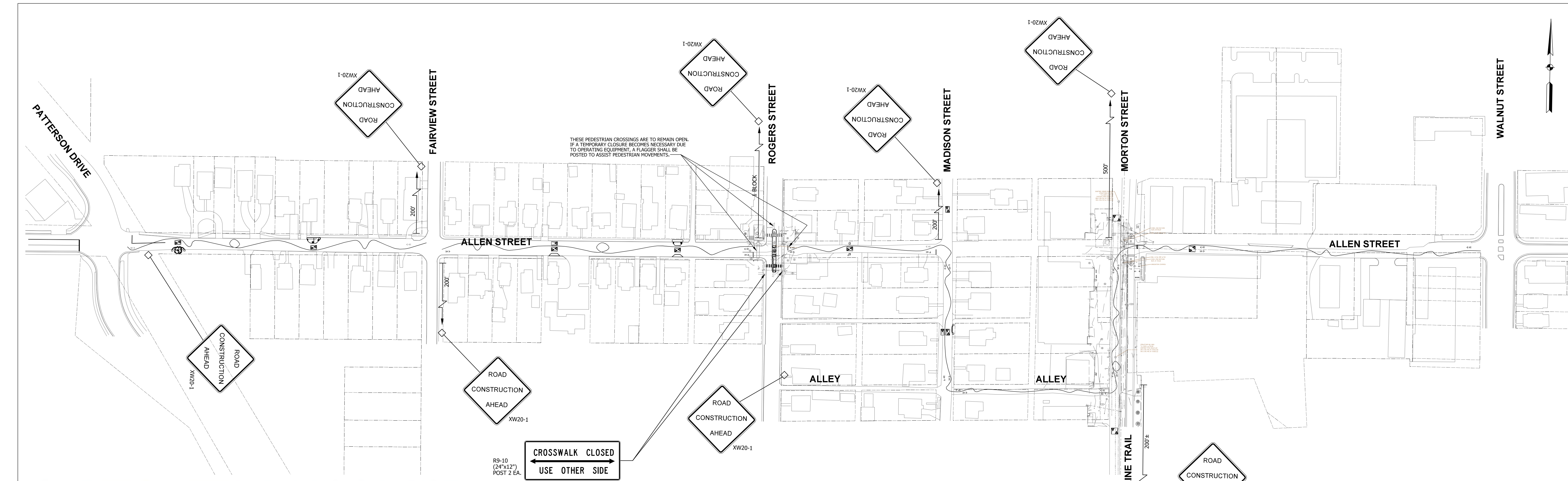


RECOMMENDED FOR APPROVAL	<i>Bridgway</i>	10-19-2022
	DESIGN ENGINEER	DATE
DESIGNED:	BR	DRAWN:
		RBA
CHECKED:	MT	CHECKED:
		BR

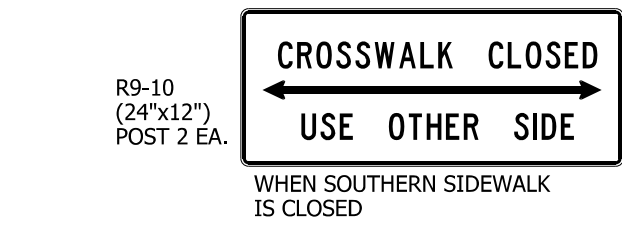
CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING

INTERSECTION DETAILS
WEST ALLEN STREET AT ROGERS STREET

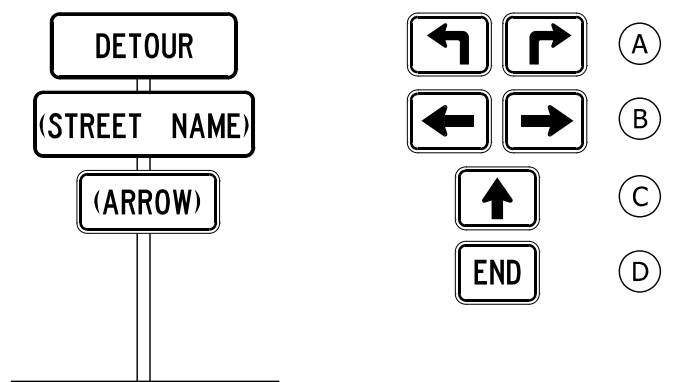
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1"=5'-0"	240
VERTICAL SCALE	
	SHEET NUMBER
	13



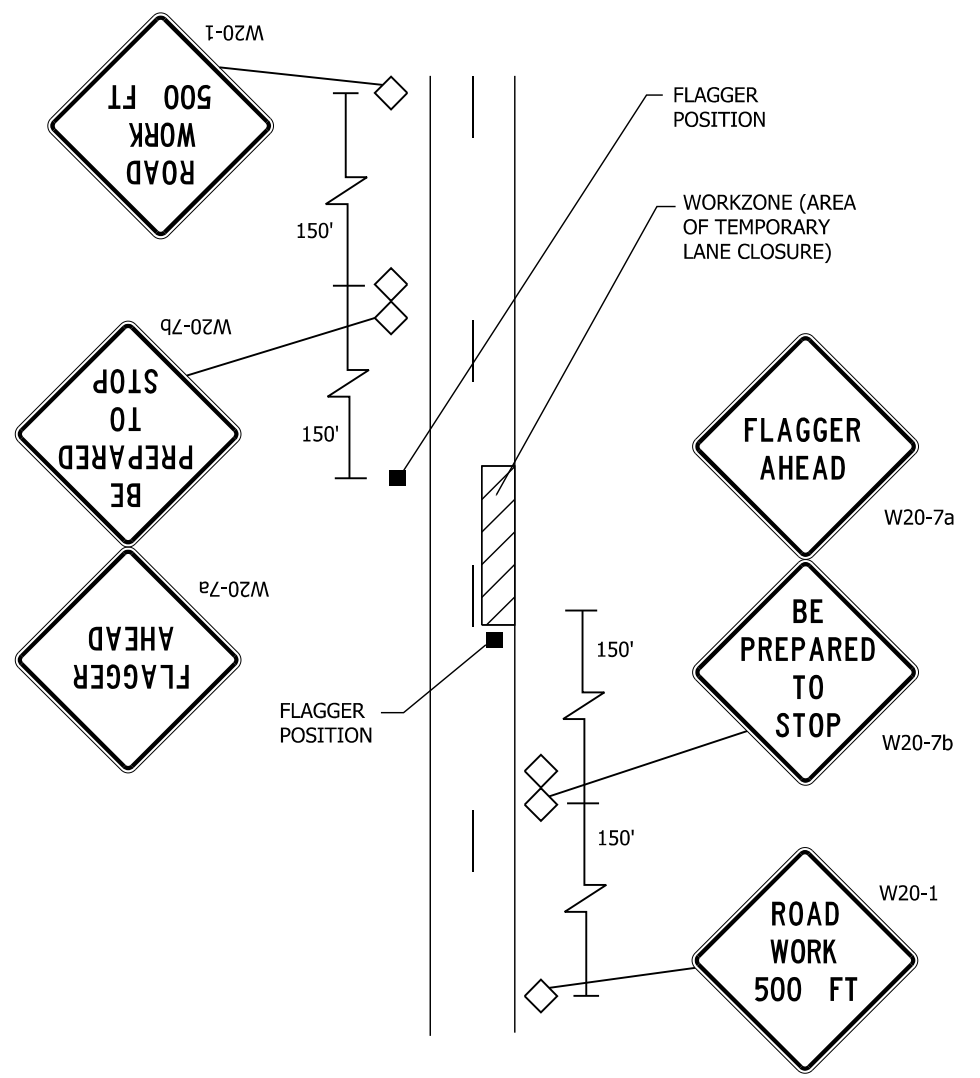
DETOUR MAP
NTS



NOTE:
CLOSURES OF ROGERS STREET ARE TO BE DAILY, NOT OVERNIGHT. CONTRACTOR MAY SELECT DAYS BASED ON WEATHER OR TO SUIT THEIR OWN SCHEDULES AND AVAILABILITY. USE COVERS ON ALL DETOUR - RELATED SIGNS ON DAYS WHEN ROGERS IS NOT CLOSED.



DETOUR ROUTE MARKER ASSEMBLIES



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

NOTE:
DISTANCES SHALL BE ADJUSTED TO FIELD CONDITIONS WHERE SPACE IS LIMITED.

THIS DETAIL MAY BE USED ONLY DURING DAYTIME HOURS. IT SHALL NOT BE USED WHERE PATCHING OPERATIONS ARE LEFT UNFINISHED OVERNIGHT WITHOUT ATTENDANTS.

GENERAL REQUIREMENTS:

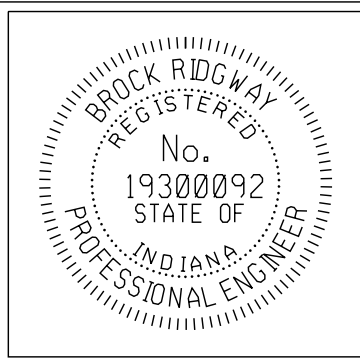
1. FLAGGER OPERATIONS AND TEMPORARY SIGNAGE IN ACCORDANCE WITH INDIANA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ARE REQUIRED FOR ALL LANE RESTRICTIONS.
2. ALL SIGNS TO BE MOUNTED ON STANDARDS.
3. ALL SIGNS, BARRICADES AND DRUMS TO BE MOUNTED WITH A TYPE C (STEADY BURN) WARNING LIGHT AND MAINTAINED DUSK TO DAWN.

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. FULL CLOSURES SHALL CONSIST OF A SOFT CLOSURE AT PRIMARY CROSS STREETS. HARD CLOSURE SHALL BE AT WORK SITE, SET AS SHORT AS PRACTICABLE.
3. LANDLOCKED PROPERTY OWNERS SHALL BE CONTACTED A MINIMUM ONE WEEK IN ADVANCE FOR TEMPORARY RESTRICTION OF ACCESS TO DRIVES.
4. ROAD RESTRICTIONS SHALL BE LIFTED NIGHTLY.
5. FULL CLOSURES OF ROGERS STREET SHALL USE THE PROVIDED DETOUR PLAN.

MOT QUANTITIES		
ROAD CLOSURE ASSEMBLIES		
ROAD CLOSED	R11-2	4 EA.
ROAD CLOSED, LOCAL TRAFFIC ONLY	R11-3	4 EA.
ROAD CLOSED TO THRU TRAFFIC	R11-4	3 EA.
	TOTAL	11 EA.
BARRICADES, III-B		
ON PLANS		170 LFT
UNDISTRIBUTED		60 LFT
	TOTAL	230 LFT
CONSTRUCTION SIGNS, A		
ROAD CONSTRUCTION AHEAD	XW20-1	8 EA.
UNDISTRIBUTED/OWNER DETERMINED		4 EA.
FLAGGER AHEAD	W20-7a	2 EA.
BE PREPARED TO STOP	W20-7b	2 EA.
ROAD WORK, 500 FEET		2 EA.
	TOTAL	18 EA.
CONSTRUCTION SIGNS, B		
DETOUR	XM4-9	2 EA.
SIDEWALK CLOSED - USE OTHER SIDE (24"x12")	R9-10	2 EA.
	TOTAL	4 EA.
DETOUR ROUTE MARKER ASSEMBLY		20 EA.

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CITY OF BLOOMINGTON
DEPARTMENT OF ENGINEERING

MAINTENANCE OF TRAFFIC

HORIZONTAL SCALE	ERCES PROJECT NUMBER
VERTICAL SCALE	240
	SHEET NUMBER
	14