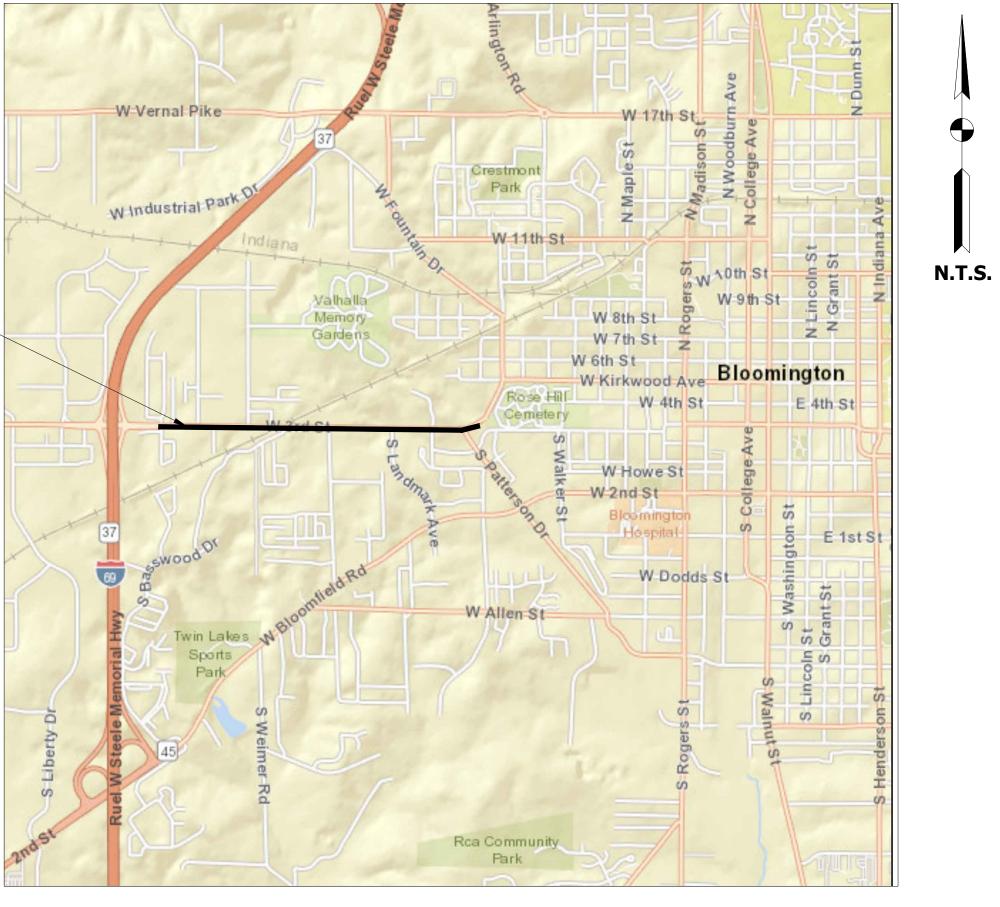
3RD STREET (PATTERSON DRIVE TO FRANKLIN ROAD) CURB RAMP IMPROVEMENTS & RESURFACING

ROUTE: WEST 3RD STREET, STARTING AT THE EXISTING PAVING BREAK ON THE WEST EDGE OF THE INTERSECTION OF 3RD STREET & FRANKLIN ROAD/WYNNEDALE DRIVE TO EXISTING PAVING BREAK 110' FROM THE WESTBOUND STOP BAR OF THE 3RD STREET AND PATTERSON DRIVE INTERSECTION.

3RD STREET IS THE SOUTH SECTION LINE OF SECTION 31 & 32, T9N, R-1-W, BLOOMINGTON TOWNSHIP, MONROE COUNTY, INDIANA MILLING, HMA PAVEMENT, SIDEWALK, CURB RAMP AND PAVEMENT MARKING REPLACEMENT.



PROJECT LOCATION

CITY OF BLOOMINGTON MONROE COUNTY INDIANA

	$\begin{array}{c} H \\ H $	RECOMMENDED		CITY OF BLOOMINGTON	HORIZONTAL SCALE 1" = 40'	BRIDGE FILE
		FOR APPROVAL	GINEER DATE	ENGINEERING DEPARTMENT	VERTICLE SCALE	N/A DESIGNATION
			GINEER DATE		N/A	N/A
			DRAWN: PRD		SURVEY BOOK	SHEETS
		DESIGNED: PRD	ESIGNED. <u>PRD</u> DRAWN. <u>PRD</u>	- 3RD STREET RESURFACING PATTERSON DRIVE TO FRANKLIN ROAD	N/A	01 of 17
					CONTRACT	PROJECT
		CHECKED: <u>NK</u>	CHECKED:		N/A	3RD STREET RESURFACING

DATA					
TRAFFIC DATA	XXX(ROAD NAME)				
AADT (2021)					
AADT (2041 PROJECTION)					
DHV (2041 PROJECTED)					
DIRECTIONAL DISTRIBUTION					
AADT (2021)					
DESIGN DATA	XXX(ROAD NAME)				
DESIGN SPEED	XXX MPH				
PROJECTED DESIGN CRITERIA	PEDESTRIAN				
FUNCTIONAL CLASSIFICATION	XXXX				
RURAL/URABN	URBAN				
TERRAIN	XXXX				
ACCESS CONTROL	NA				

GENERAL NOTES:

Pavement Patch, item "P", shall follow Asphalt Surface Street Cut Repair detail. Flowable fill is not required when there is no trench. Hot Poured Joint Adhesive (S906, a, 5) in joints between new asphalt and old asphalt, curb faces, gutter faces and concrete edges. "P" locations are not specified in all locations on plan sheets. "P" shall be 12" width when used adjacent to new "13", "15", and CR, installation.

Contractor shall minimize disruption to adjacent landscaping. Any disturbed landscape area shall receive mulched seeding.

Sidewalks and Curb Ramps shall comply with PROWAG and INDOT standard details. All sidewalks, curbs and curb ramps shall be constructed on 4" of compacted aggregate. Detectable Warning Surfaces shall comply with the City's approved material list.

Contractor shall contact Indiana Underground Location Service, 811, prior to commencing excavation work.

Blue raised pavement markers shall be installed adjacent to existing fire hydrants. Hydrant locations not show on plans.

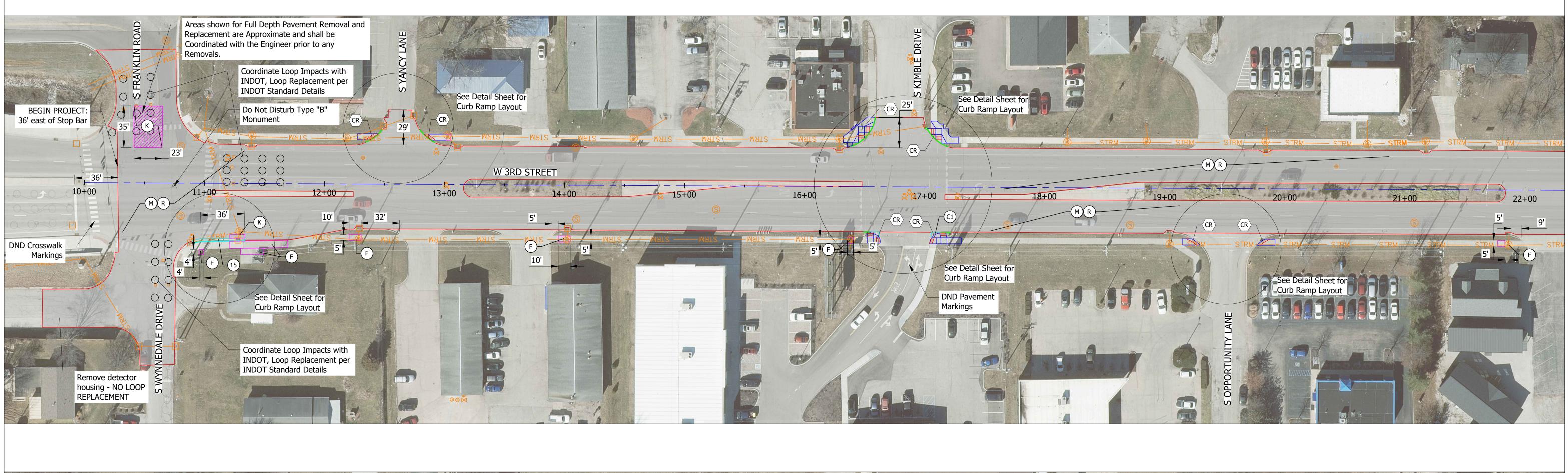
All longline pavement markings are dimensioned to face of curb (FOC), lip of gutter or edge of pavement and center of stripe. For double lane lines, dimensions are to the point midway between the two lines.

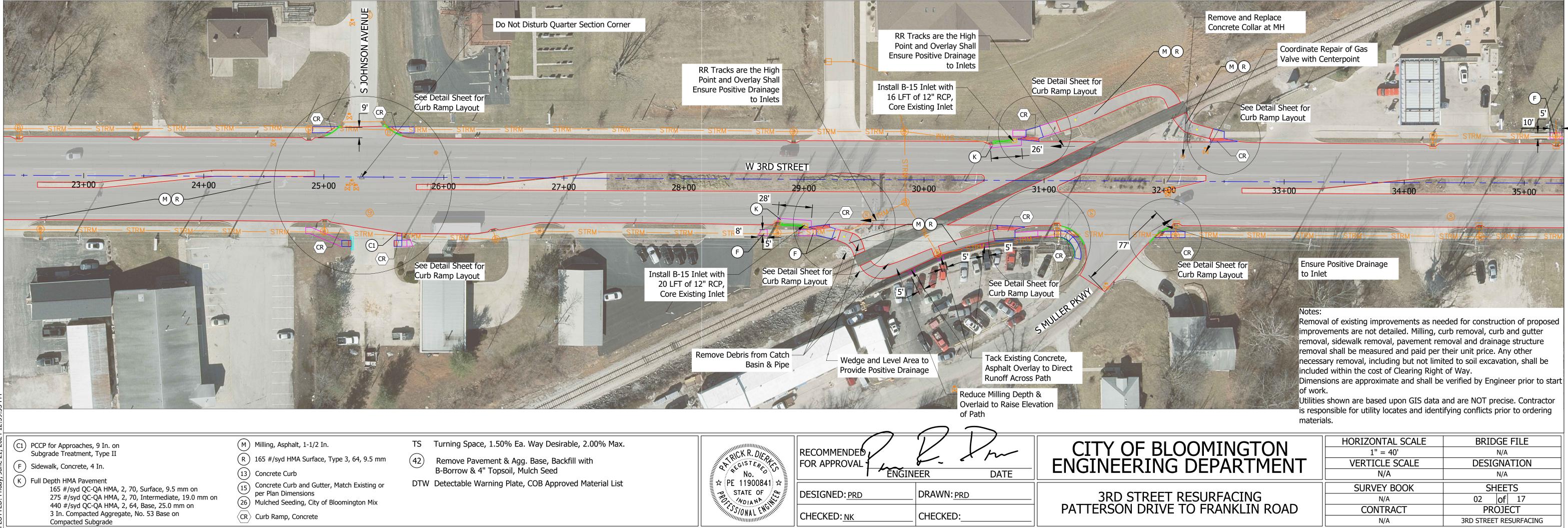
Maintenance of traffic (vehicular and pedestrian): Continuous maintenance of access to businesses and residences shall be provided along with protection of the public from construction activities at all times. Temporary traffic control shall be provided by the contractor and shall be in accordance with the latest edition of the Indiana MUTCD. During paving operations, the Contractor is required to provide temporary traffic control consistent with short-duration or mobile operations. During concrete operations requiring use of the roadway, the Contractor is required to provide temporary traffic control consistent with a lane closure on a multi-lane road using flaggers. The contractor shall limit blocking the existing sidewalk to only times necessitated by sidewalk construction work. Appropriate pedestrian maintenance of traffic signage shall be in place during any sidewalk disruptions. A pedestrian walkaround consistent with City of Bloomington Municipal Code 12.08.110 shall be provided if a portion of the sidewalk is closed for more than 48 hours. Sidewalk on at least one side of 3rd Street must be open at all times.

Contractor shall be responsible for keeping the project site in a neat and safe condition at all times.

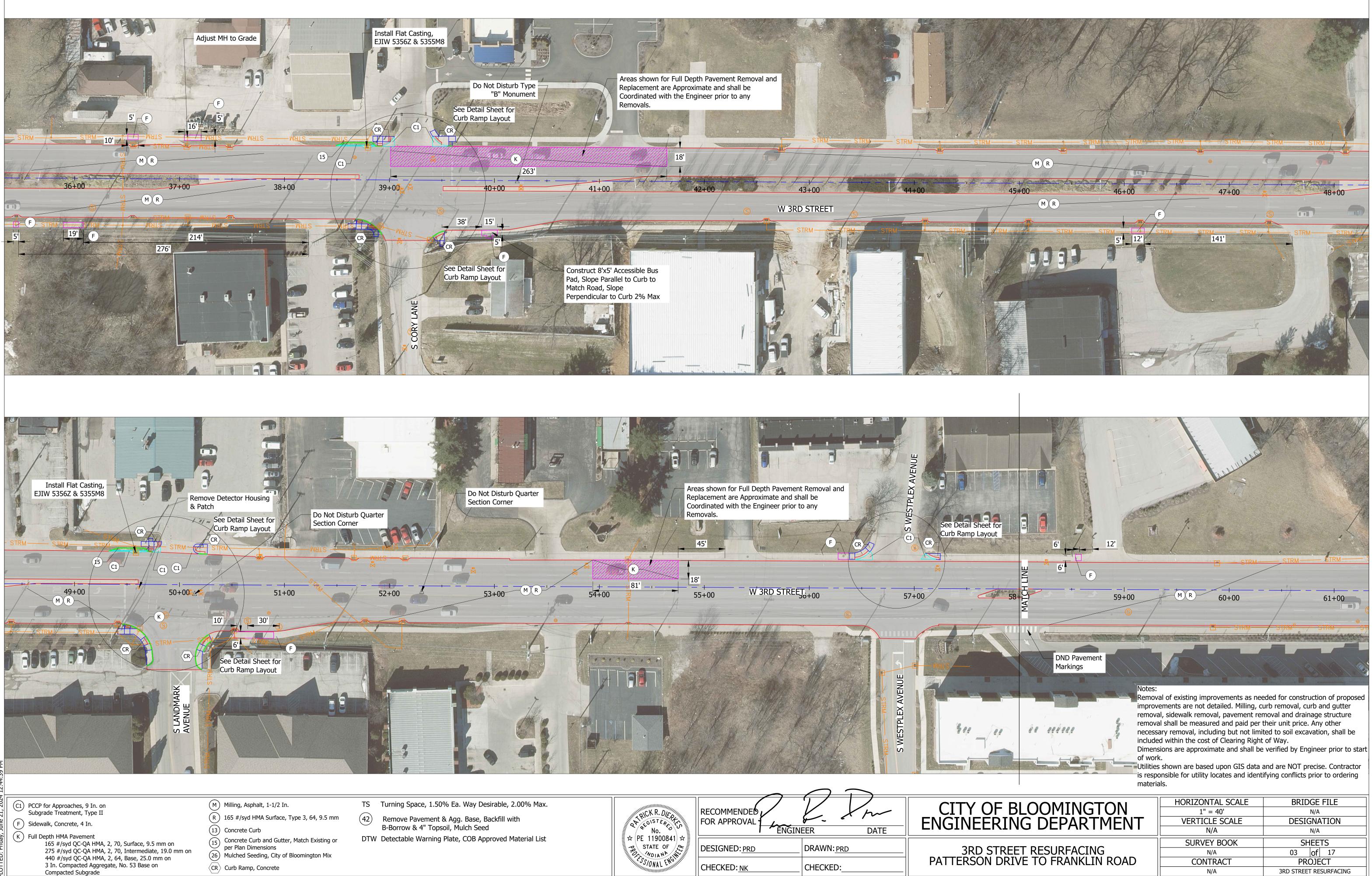
CITY OF BLOOMINGTON STANDARD DRAWINGS FOUND AT: BLOOMINGTON.IN.GOV/ENGINEERING/RESOURCES TO BE USED WITH THESE PLANS.

INDIANA DEPARTMENT OR TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024 AND CURRENT SUPPLEMENTS THERETO, TO BE USED WITH THESE PLANS.





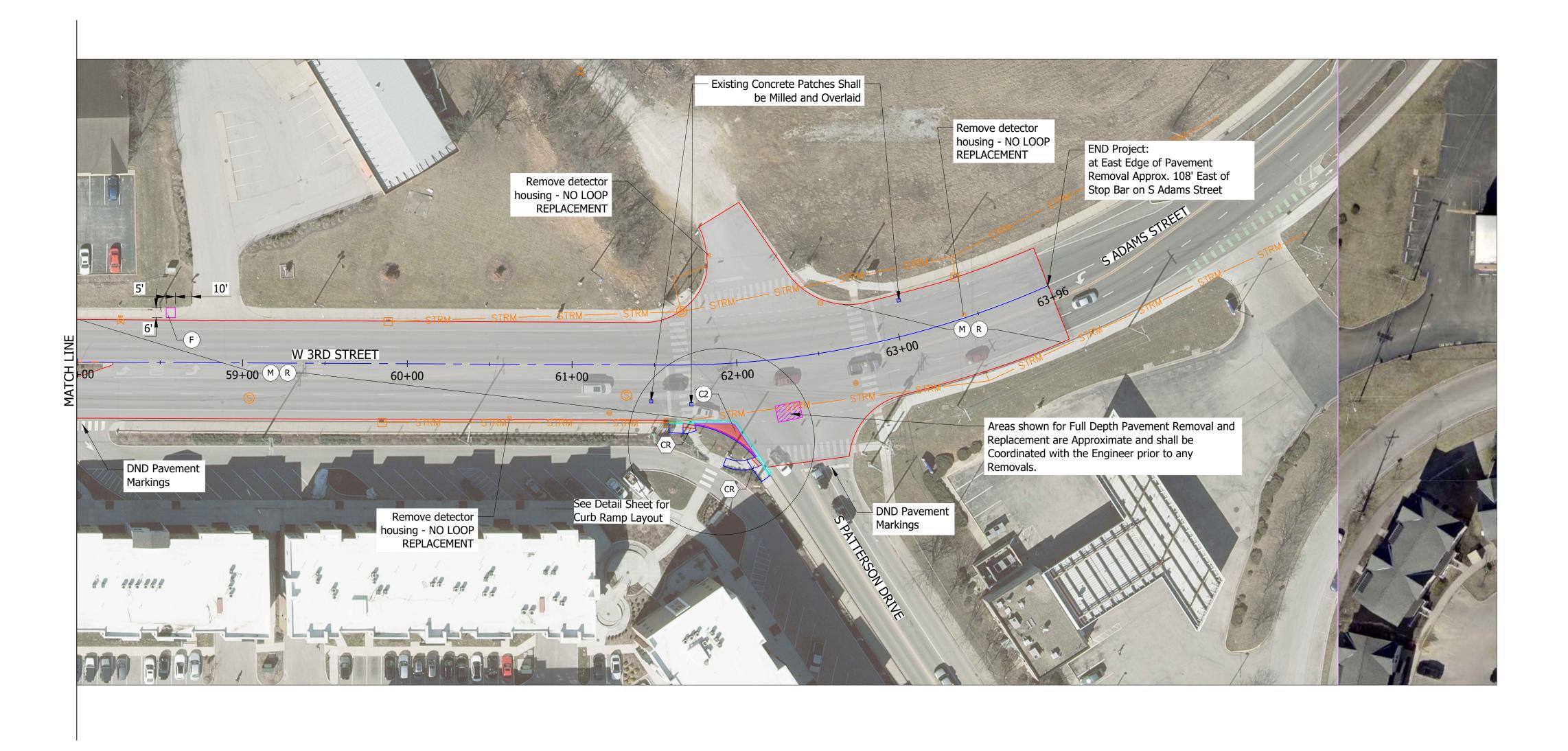
FILE: 3RDST_RESURFACING_PLAN_SHEET_01.DWG



FILE: 3RDST_RESURFACING_PLAN_SHEET_02.DWG

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roved Material List	No. ► PE 11900841 ☆	L ENGIN	EER DATE	
	B STATE OF	DESIGNED: PRD	DRAWN: <u>prd</u>	3RD STRE
	SSIONAL ENGLISHING	CHECKED: <u>NK</u>	CHECKED:	PATTERSON DR

HORIZONTAL SCALE	BRIDGE FILE	
1" = 40'	N/A	
VERTICLE SCALE	DESIGNATION	
N/A	N/A	
SURVEY BOOK	SHEETS	
N/A	03 of 17	
CONTRACT	PROJECT	
N/A	3RD STREET RESURFACING	



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Friday,
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C1 PCCP for Approaches, 9 In. on Subgrade Treatment, Type II F Sidewalk, Concrete, 4 In.

K Full Depth HMA Pavement 165 #/syd QC-QA HMA, 2, 70, Surface, 9.5 mm on 275 #/syd QC-QA HMA, 2, 70, Intermediate, 19.0 mm on 440 #/syd QC-QA HMA, 2, 64, Base, 25.0 mm on 3 In. Compacted Aggregate, No. 53 Base on

(M) Milling, Asphalt, 1-1/2 In.

- (R) 165 #/syd HMA Surface, Type 3, 64, 9.5 mm
- (13) Concrete Curb
- Concrete Curb and Gutter, Match Existing or per Plan Dimensions
- (26) Mulched Seeding, City of Bloomington Mix
- $\langle CR
 angle$ Curb Ramp, Concrete
- TS Turning Space, 1.50% Ea. Way Desi
- (42) Remove Pavement & Agg. Base, Back B-Borrow & 4" Topsoil, Mulch Seed
- DTW Detectable Warning Plate, COB Appro
- C2 PCCP (Colored) for Approaches, 12 In. on Subgrade Treatment, Type II

Compacted Subgrade FILE: 3RDST_RESURFACING_PLAN_SHEET_03.DWG

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sirable, 2.00% Max.		RECOMMENDED		
ackfill with	No.	FOR APPROVAL	EER DATE	ENGINEERI
proved Material List	PE 11900841 ☆ STATE OF STATE OF	DESIGNED: PRD	DRAWN: <u>prd</u>	3RD STRE
	SSIONAL ENGINE	CHECKED: <u>NK</u>	CHECKED:	PATTERSON DRI

Notes:

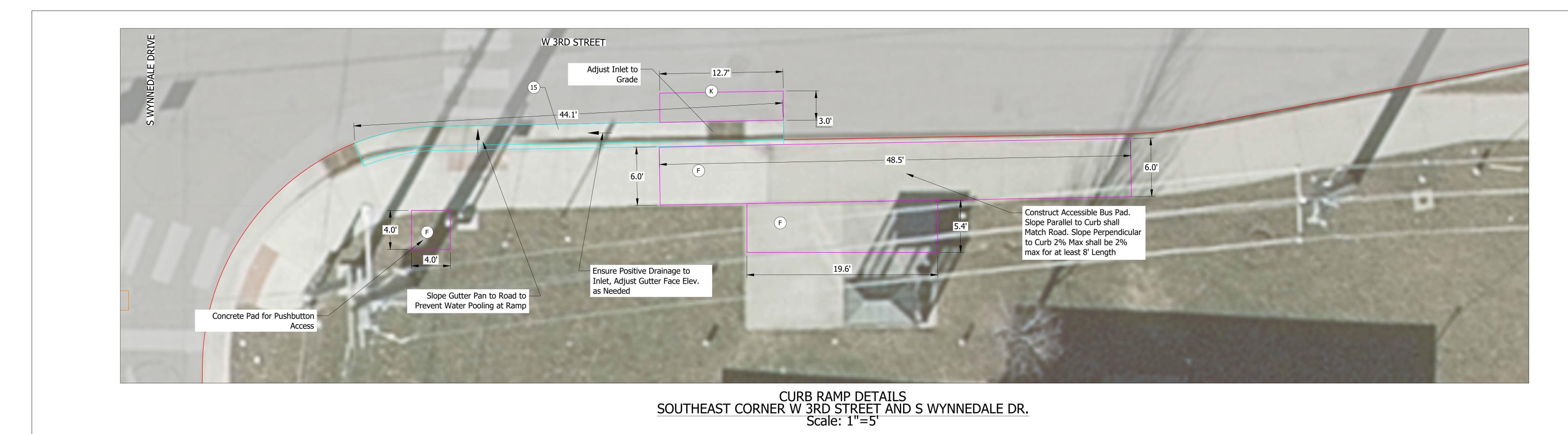
Removal of existing improvements as needed for construction of proposed improvements are not detailed. Milling, curb removal, curb and gutter removal, sidewalk removal, pavement removal and drainage structure removal shall be measured and paid per their unit price. Any other necessary removal, including but not limited to soil excavation, shall be included within the cost of Clearing Right of Way.

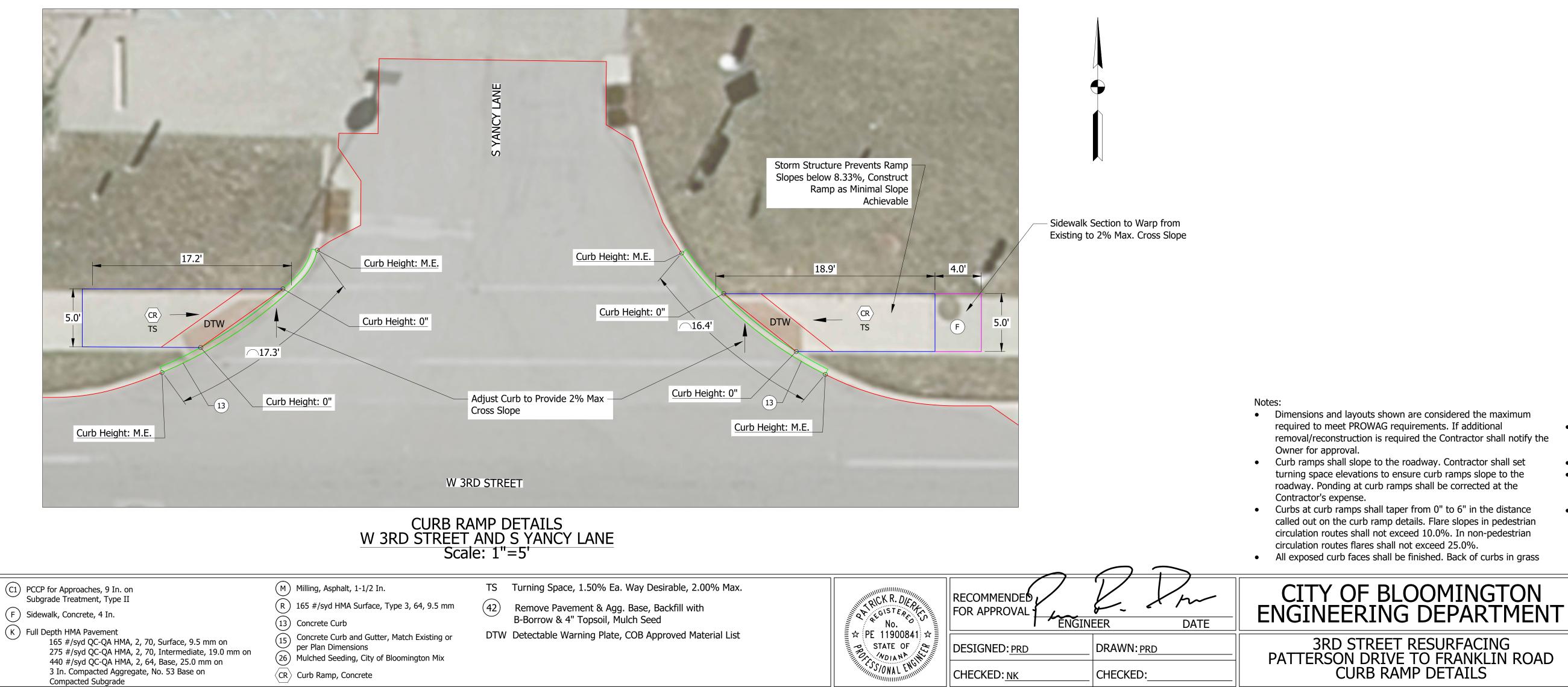
Dimensions are approximate and shall be verified by Engineer prior to start of work.

Utilities shown are based upon GIS data and are NOT precise. Contractor is responsible for utility locates and identifying conflicts prior to ordering materials.



	HORIZONTAL SCALE	BRIDGE FILE	
	1" = 40'	N/A	
VERTICLE SCALE		DESIGNATION	
	N/A	N/A	
	SURVEY BOOK	SHEETS	
	N/A	04 of 17	
	CONTRACT	PROJECT	
	N/A	3RD STREET RESURFACING	

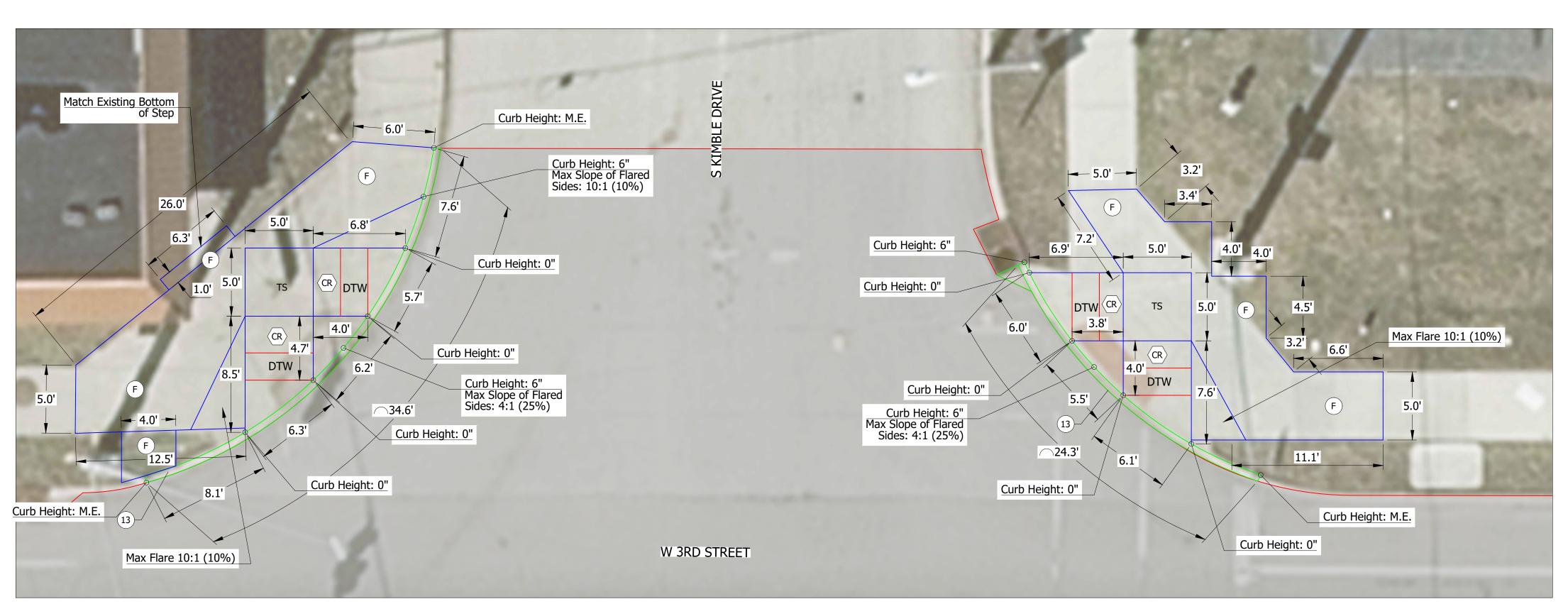




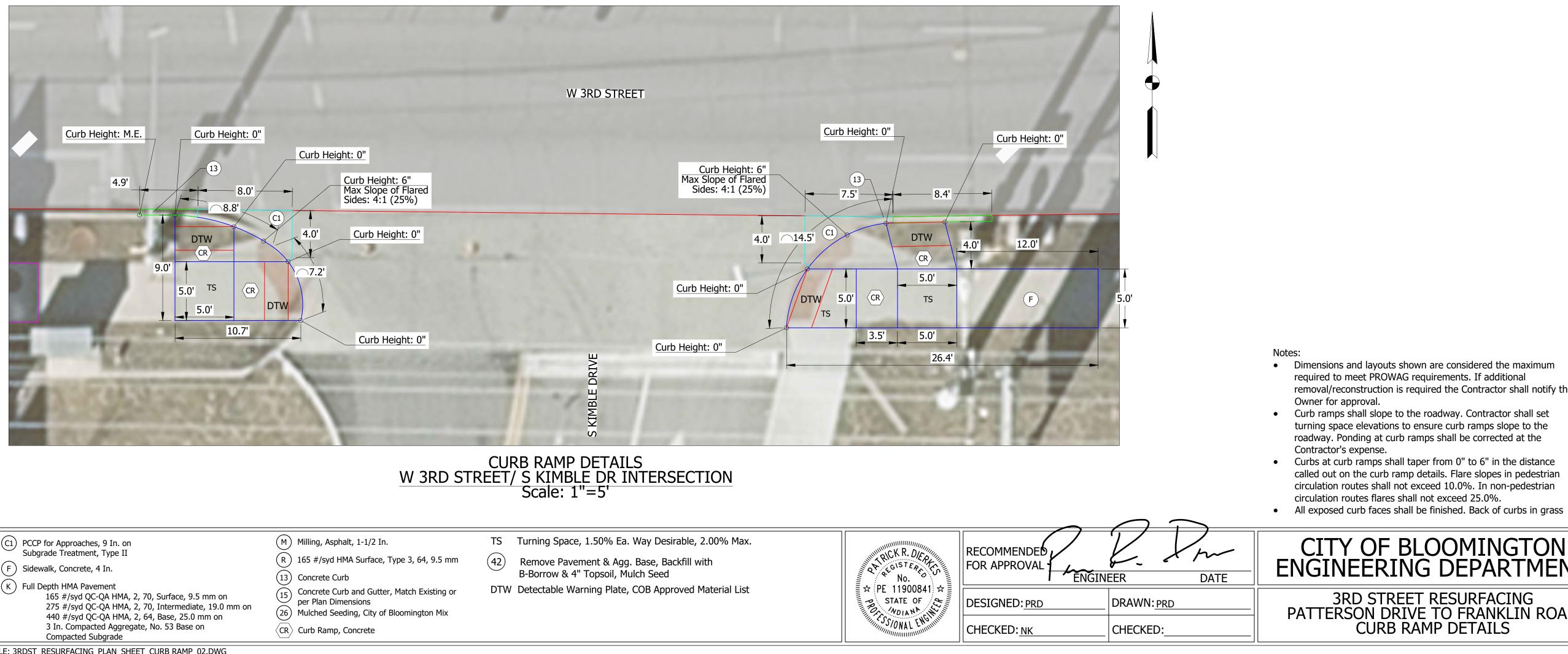
FILE: 3RDST_RESURFACING_PLAN_SHEET_CURB RAMP_01.DWG

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be • relocated/replaced. Contractor shall provide temporary signage as needed during construction.

HORIZONTAL SCALE	BRIDGE FILE	
1" = 5'	N/A	
VERTICLE SCALE	DESIGNATION	
N/A	N/A	
SURVEY BOOK	SHEETS	
N/A	05 of 17	
CONTRACT	PROJECT	
N/A	3RD STREET RESURFACING	



CURB RAMP DETAILS W 3RD STREET/ S KIMBLE DR INTERSECTION Scale: 1"=5'



	W 3RD ST	CURB RAMP DI REET/ S KIMBLE Scale: 1"=
 C1 PCCP for Approaches, 9 In. on Subgrade Treatment, Type II F Sidewalk, Concrete, 4 In. K Full Depth HMA Pavement 165 #/syd QC-QA HMA, 2, 70, Surface, 9.5 mm on 275 #/syd QC-QA HMA, 2, 70, Intermediate, 19.0 mm on 440 #/syd QC-QA HMA, 2, 64, Base, 25.0 mm on 3 In. Compacted Aggregate, No. 53 Base on Compacted Subgrade 	 M Milling, Asphalt, 1-1/2 In. R 165 #/syd HMA Surface, Type 3, 64, 9.5 mm 13 Concrete Curb 15 Concrete Curb and Gutter, Match Existing or per Plan Dimensions 26 Mulched Seeding, City of Bloomington Mix CR Curb Ramp, Concrete 	TS Turning Space, 1. (42) Remove Pavemen B-Borrow & 4" To DTW Detectable Warnin

FILE: 3RDST_RESURFACING_PLAN_SHEET_CURB RAMP_02.DWG

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the

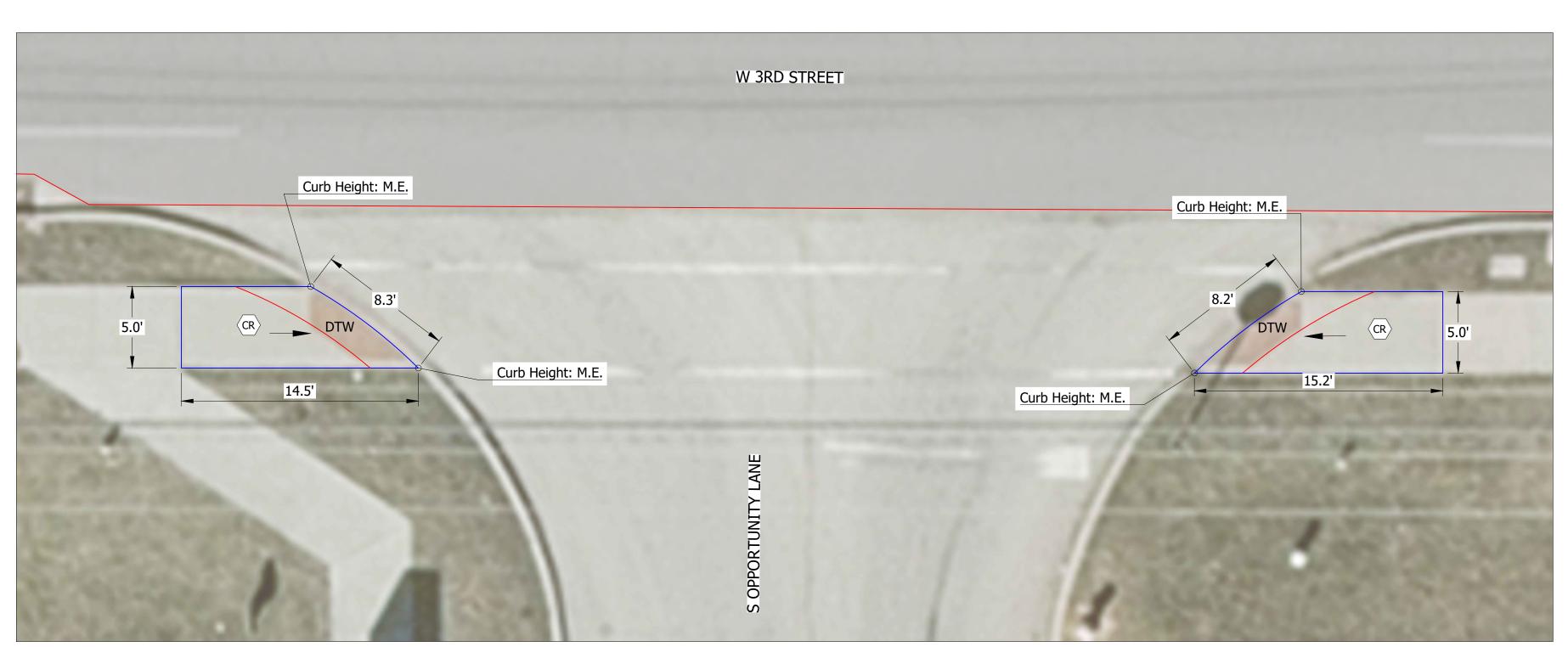
• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the

• Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian

CITY OF BLOOMINGTON ENGINEERING DEPARTMENT 3RD STREET RESURFACING PATTERSON DRIVE TO FRANKLIN ROAD CURB RAMP DETAILS

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall
- coordinate as needed with the appropriate utility. Meters and sign posts impacted during construction shall be •
- relocated/replaced. Contractor shall provide temporary signage as needed during construction.

	HORIZONTAL SCALE	BRIDGE FILE	
	1" = 5'	N/A	
-	VERTICLE SCALE	DESIGNATION	
	N/A	N/A	
	SURVEY BOOK	SHEETS	
	N/A	06 of 17	
	CONTRACT	PROJECT	
	N/A	3RD STREET RESURFACING	



CURB RAMP DETAILS W 3RD STREET/ S OPPORTUNITY LANE INTERSECTION Scale: 1"=5'

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June
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C1 PCCP for Approaches, 9 In. on Subgrade Treatment, Type II F Sidewalk, Concrete, 4 In.

K Full Depth HMA Pavement 165 #/syd QC-QA HMA, 2, 70, Surface, 9.5 mm on 275 #/syd QC-QA HMA, 2, 70, Intermediate, 19.0 mm on 440 #/syd QC-QA HMA, 2, 64, Base, 25.0 mm on 3 In. Compacted Aggregate, No. 53 Base on Compacted Subgrade

(M) Milling, Asphalt, 1-1/2 In.

- R 165 #/syd HMA Surface, Type 3, 64, 9.5 mm
- (13) Concrete Curb
- (15) Concrete Curb and Gutter, Match Existing or
- per Plan Dimensions (26) Mulched Seeding, City of Bloomington Mix
- $\langle CR
 angle$ Curb Ramp, Concrete

TS Turning Space, 1.50% Ea. Way Desira

- (42) Remove Pavement & Agg. Base, Back B-Borrow & 4" Topsoil, Mulch Seed
- DTW Detectable Warning Plate, COB Appro

FILE: 3RDST_RESURFACING_PLAN_SHEET_CURB RAMP_03.DWG

				 Owner for approval. Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense. Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestric circulation routes shall not exceed 10.0%. In non-pedestria circulation routes flares shall not exceed 25.0%. All exposed curb faces shall be finished. Back of curbs in get
rable, 2.00% Max.		RECOMMENDED		CITY OF BLOOMINGTO
ckfill with	THE GISTER STER	FOR APPROVAL	EER DATE	ENGINEERING DEPARTM
oved Material List				
	P STATE OF	DESIGNED: PRD	DRAWN: <u>prd</u>	3RD STREET RESURFACING PATTERSON DRIVE TO FRANKLIN R
	SIONAL ENGINE	CHECKED: <u>NK</u>	CHECKED:	CURB RAMP DETAILS

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the

> the roadway. Contractor shall set o ensure curb ramps slope to the

Notes:

I taper from 0" to 6" in the distance mp details. Flare slopes in pedestrian t exceed 10.0%. In non-pedestrian hall not exceed 25.0%. all be finished. Back of curbs in grass

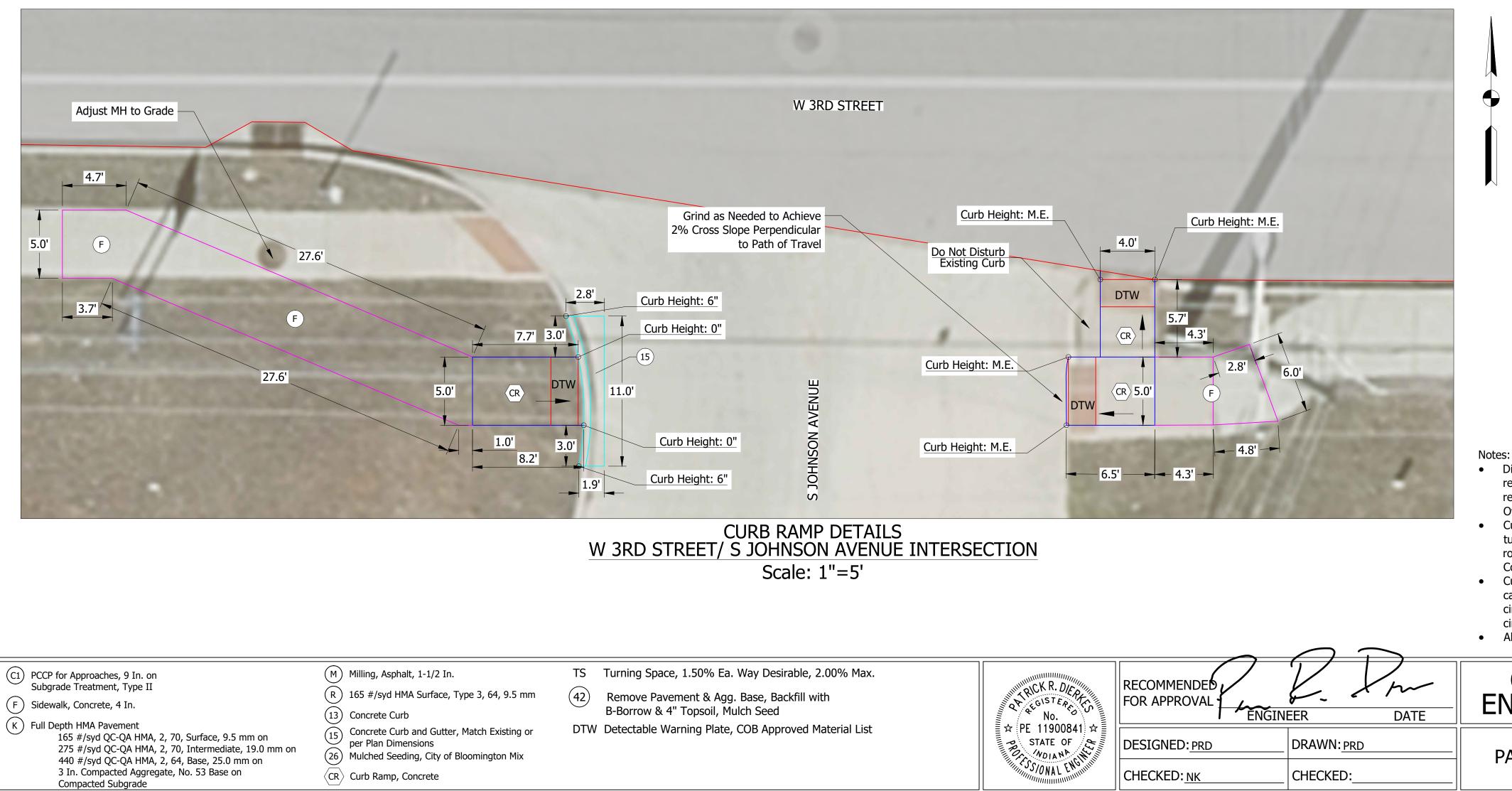
BLOOMINGTON NG DEPARTMENT EET RESURFACING IVE TO FRANKLIN ROAD RAMP DETAILS

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall
- coordinate as needed with the appropriate utility. Meters and sign posts impacted during construction shall be •
- relocated/replaced. Contractor shall provide temporary signage as needed during construction.

HORIZONTAL SCALE	BRIDGE FILE	
1" = 5'	N/A	
VERTICLE SCALE DESIGNATIO		
N/A	N/A	
SURVEY BOOK	SHEETS	
N/A	07 of 17	
CONTRACT	PROJECT	
N/A	3RD STREET RESURFACING	



CURB RAMP DETAILS W 3RD STREET/ S JOHNSON AVENUE INTERSECTION Scale: 1"=5'



• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the

• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the

Owner for approval.

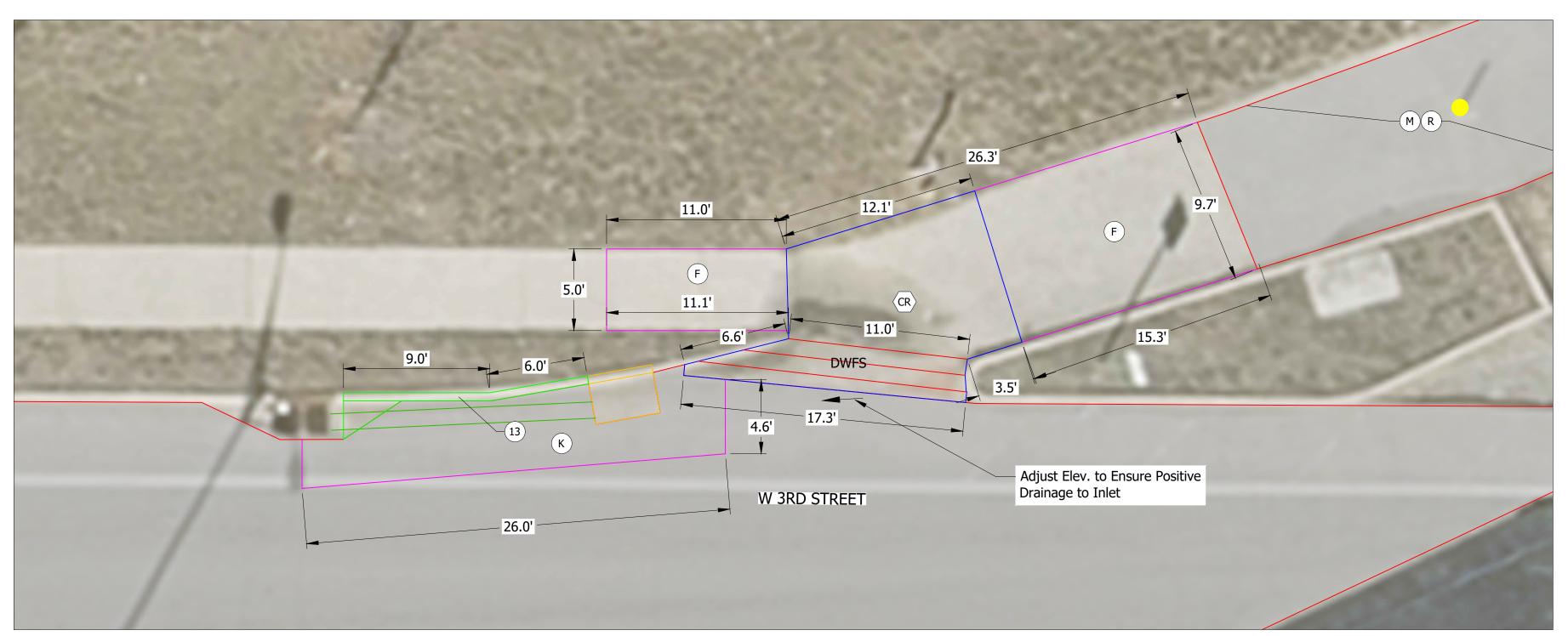
Contractor's expense.

• Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%. • All exposed curb faces shall be finished. Back of curbs in grass

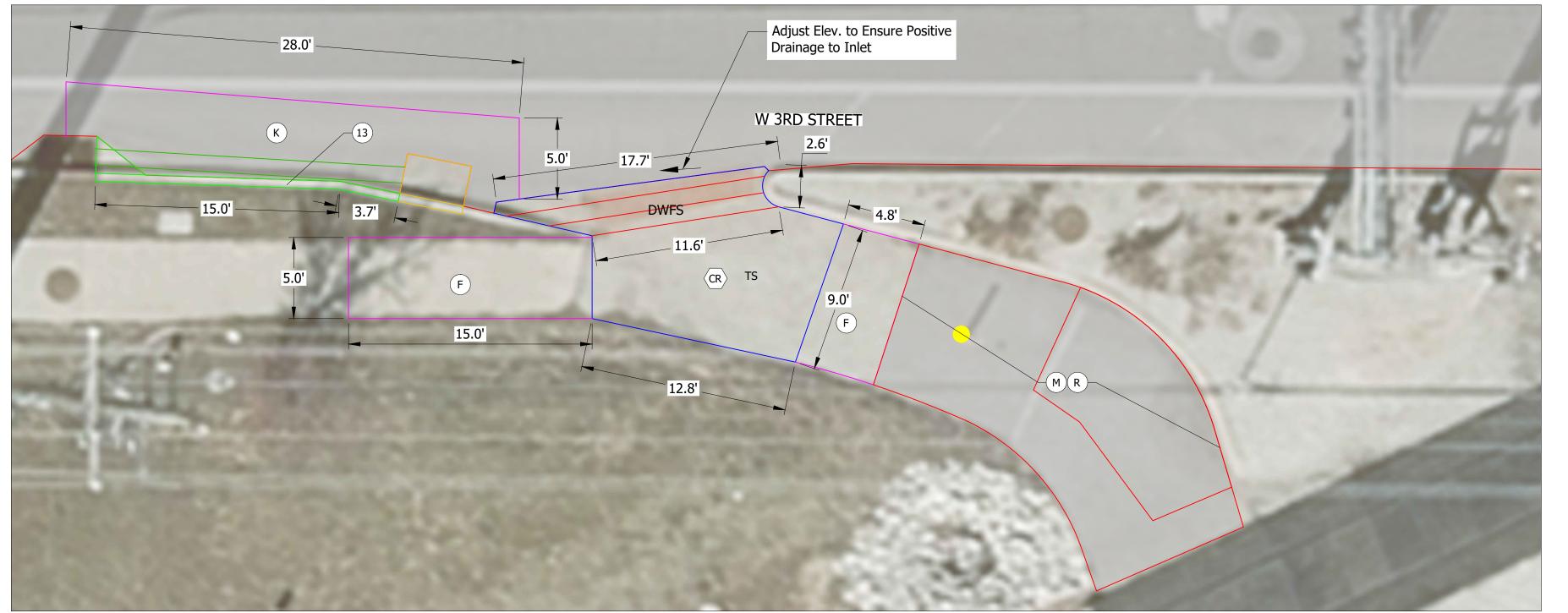
CITY OF BLOOMINGTON ENGINEERING DEPARTMENT 3RD STREET RESURFACING PATTERSON DRIVE TO FRANKLIN ROAD CURB RAMP DETAILS

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HORIZONTAL SCALE	BRIDGE FILE	
1" = 5'	N/A	
VERTICLE SCALE	DESIGNATION	
N/A	N/A	
SURVEY BOOK	SHEETS	
N/A	08 of 17	
CONTRACT	PROJECT	
N/A	3RD STREET RESURFACING	



CURB RAMP DETAILS W 3RD STREET/ STA 30+85 Scale: 1"=5'



CURB RAMP DETAILS W 3RD STREET/ STA 30+72 Scale: 1"=5'

C1) PCCP for Approaches, 9 In. on Subgrade Treatment, Type II (F) Sidewalk, Concrete, 4 In. K Full Depth HMA Pavement

165 #/syd QC-QA HMA, 2, 70, Surface, 9.5 mm on 275 #/syd QC-QA HMA, 2, 70, Intermediate, 19.0 mm on 440 #/syd QC-QA HMA, 2, 64, Base, 25.0 mm on 3 In. Compacted Aggregate, No. 53 Base on Compacted Subgrade

(M) Milling, Asphalt, 1-1/2 In.

(R) 165 #/syd HMA Surface, Type 3, 64, 9.5 mm

- (13) Concrete Curb
- (15) Concrete Curb and Gutter, Match Existing or
- per Plan Dimensions (26) Mulched Seeding, City of Bloomington Mix
- $\langle CR \rangle$ Curb Ramp, Concrete

TS Turning Space, 1.50% Ea. Way Desi

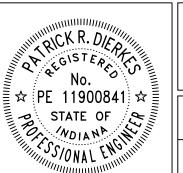
(42) Remove Pavement & Agg. Base, Bac B-Borrow & 4" Topsoil, Mulch Seed DTW Detectable Warning Plate, COB Appr DWFS Directional Wayfinding Strips

FILE: 3RDST_RESURFACING_PLAN_SHEET_CURB RAMP_05.DWG

Notes:

- Owner for approval.
- roadway. Ponding at curb ramps shall be corrected at the Contractor's expense.
- All exposed curb faces shall be finished. Back of curbs in grass

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proved Material List	



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RECOMMENDED	K.J	m
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• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the

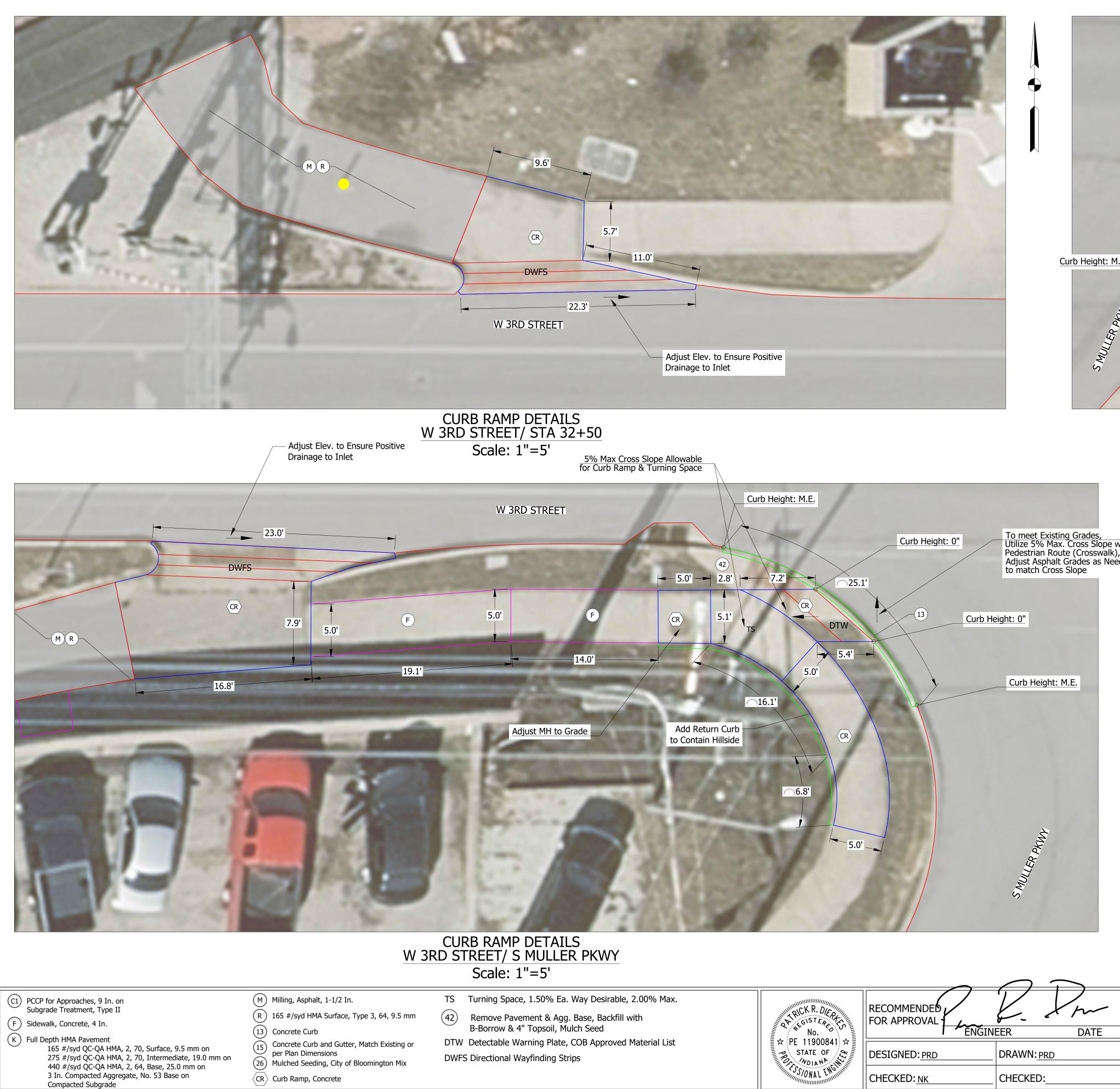
• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the

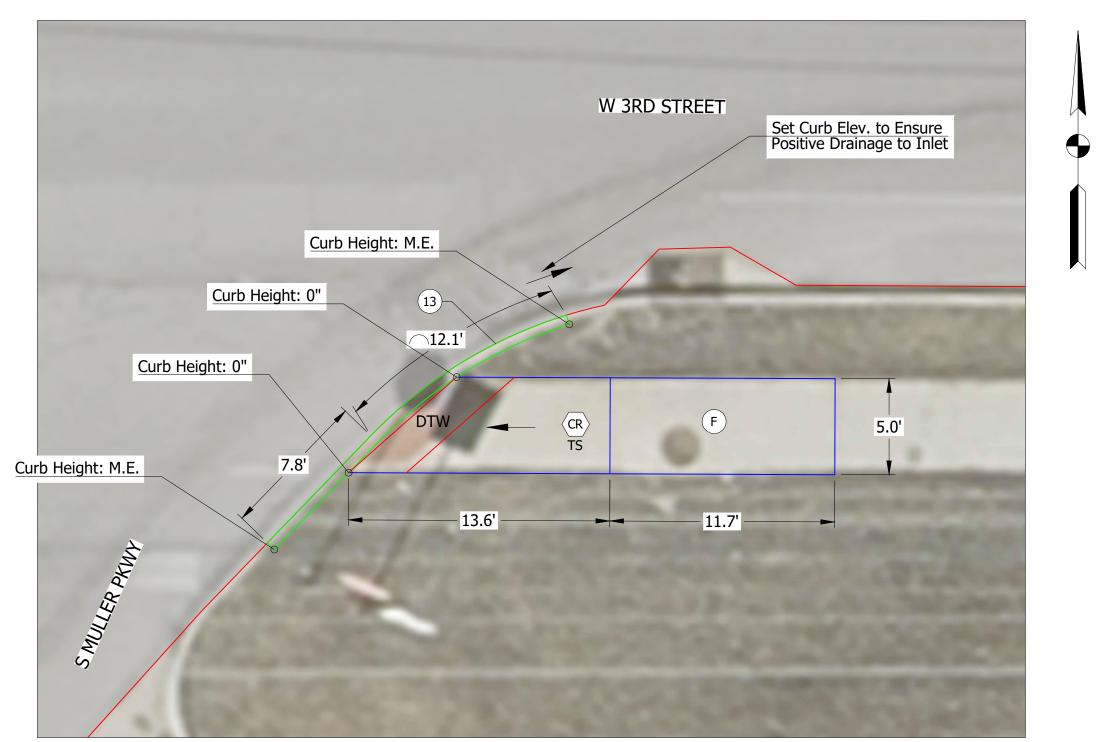
• Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.

CITY OF BLOOMINGTON NGINEERING DEPARTMENT EET RESURFACING RIVE TO FRANKLIN ROAD RAMP DETAILS

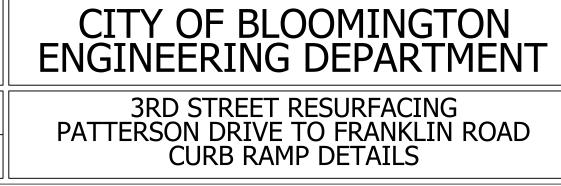
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- relocated/replaced. Contractor shall provide temporary signage as needed during construction.

HORIZONTAL SCALE	BRIDGE FILE	
1" = 5'	N/A	
VERTICLE SCALE	DESIGNATION	
N/A	N/A	
SURVEY BOOK	SHEETS	
N/A	09 of 17	
CONTRACT	PROJECT	
N/A	3RD STREET RESURFACING	





To meet Existing Grades, Utilize 5% Max. Cross Slope within Pedestrian Route (Crosswalk), Adjust Asphalt Grades as Needed to match Cross Slope Notes: Owner for approval. Contractor's expense.



CURB RAMP DETAILS W 3RD STREET/ S MULLER PKWY Scale: 1"=5'

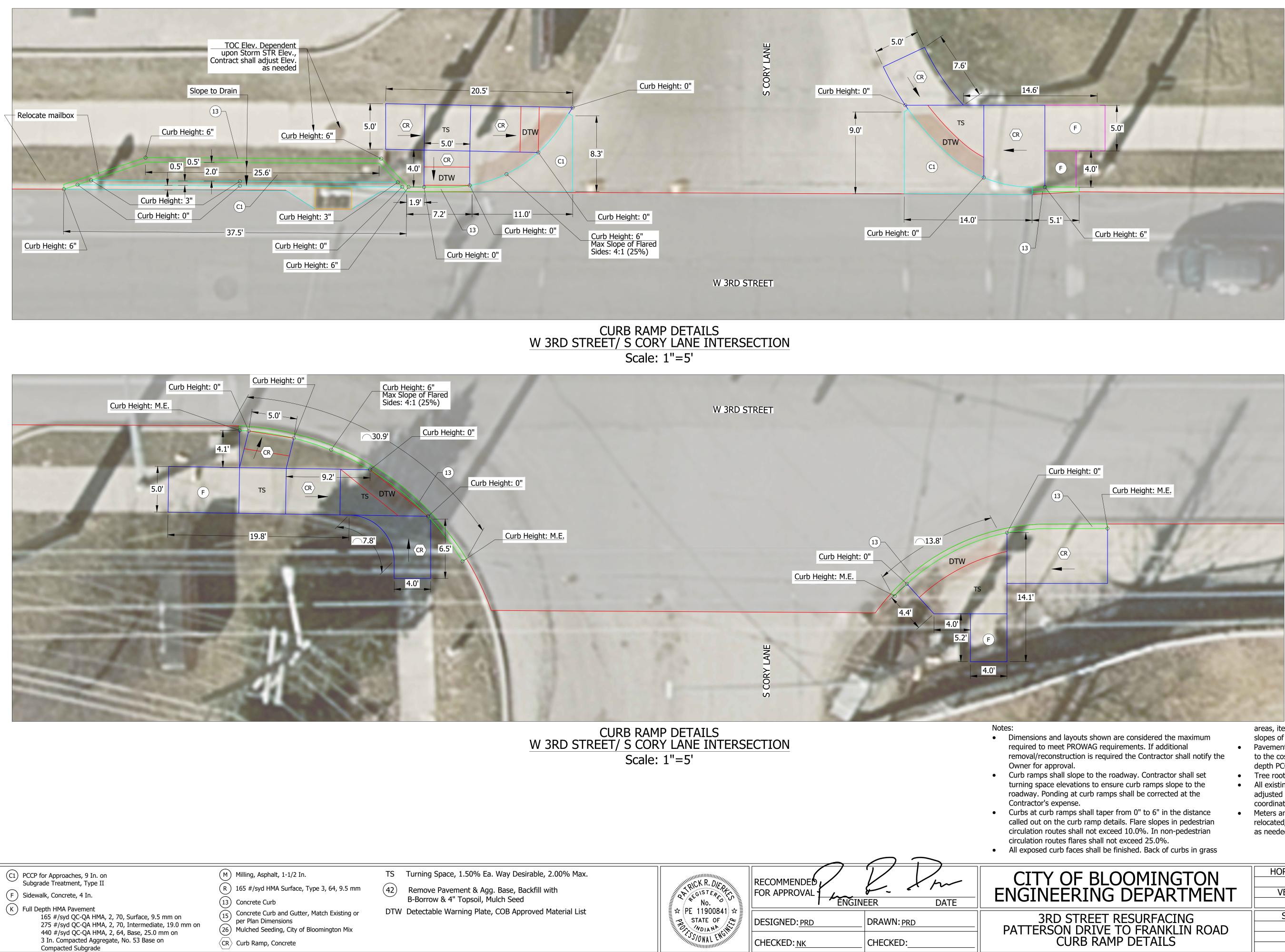
• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the

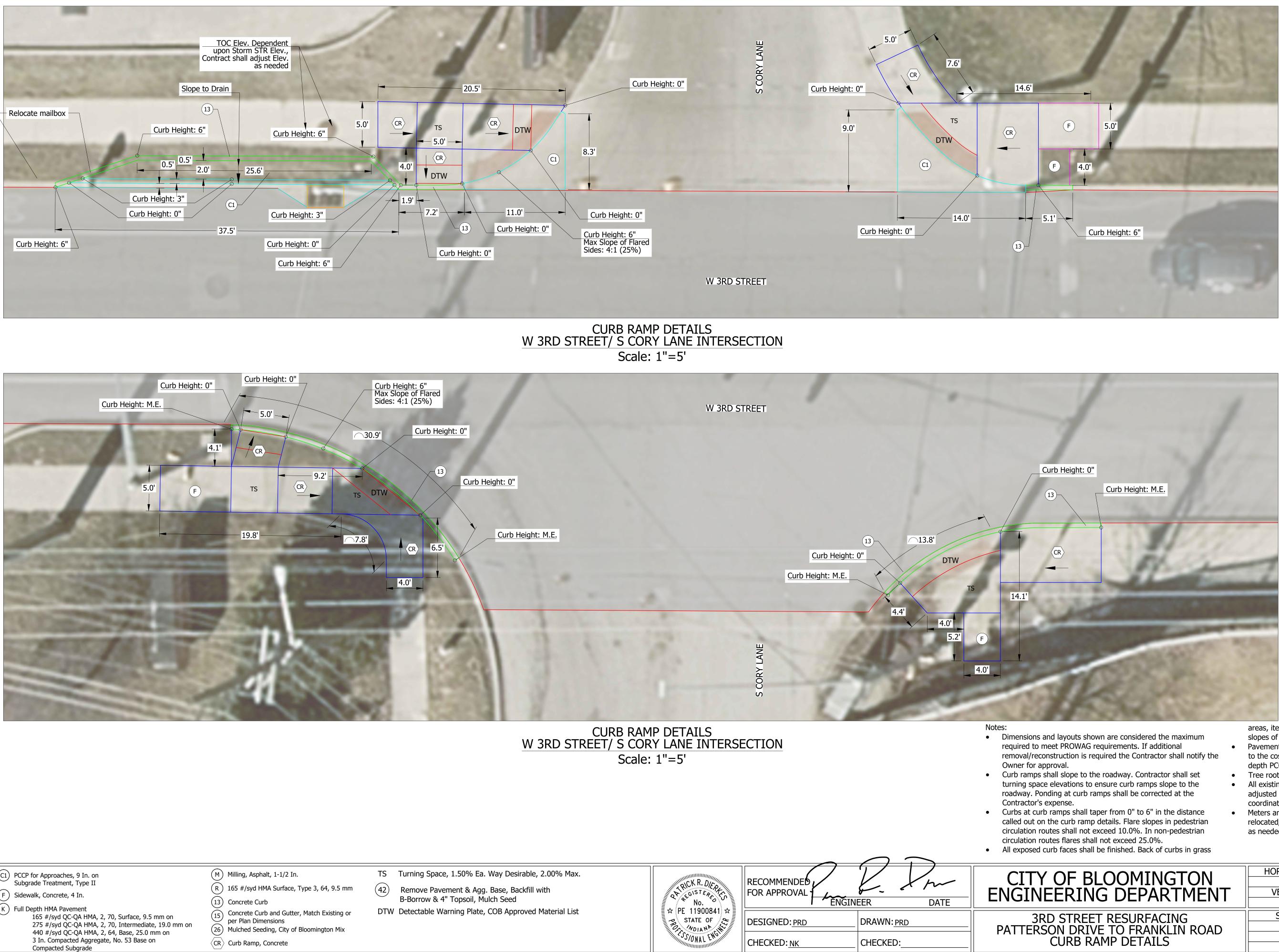
• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the

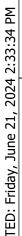
• Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%. • All exposed curb faces shall be finished. Back of curbs in grass

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HORIZONTAL SCALE	BRIDGE FILE	
1" = 5'	N/A	
VERTICLE SCALE	DESIGNATION	
N/A	N/A	
SURVEY BOOK	SHEETS	
N/A	10 of 17	
CONTRACT	PROJECT	
N/A	3RD STREET RESURFACING	



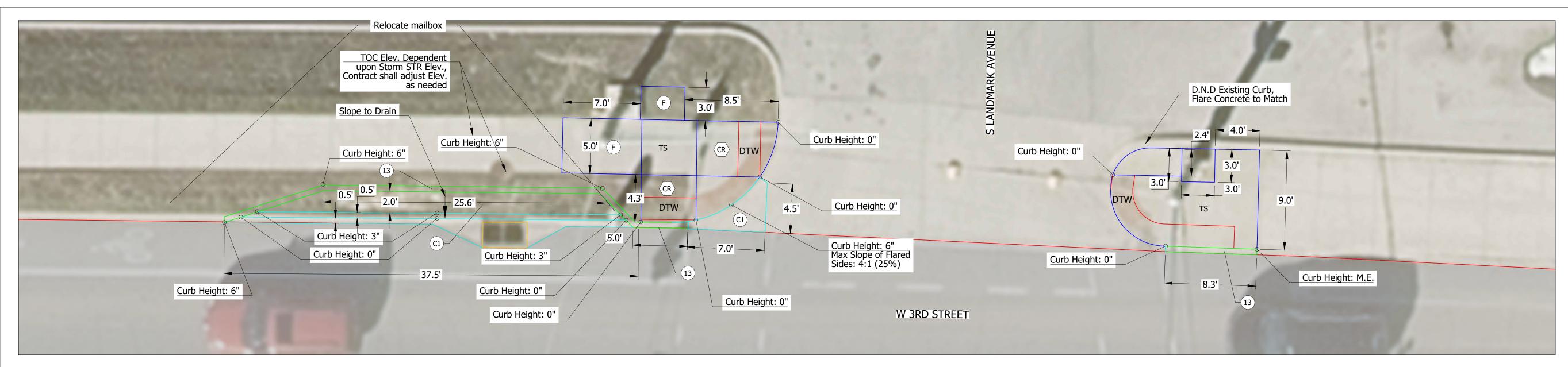


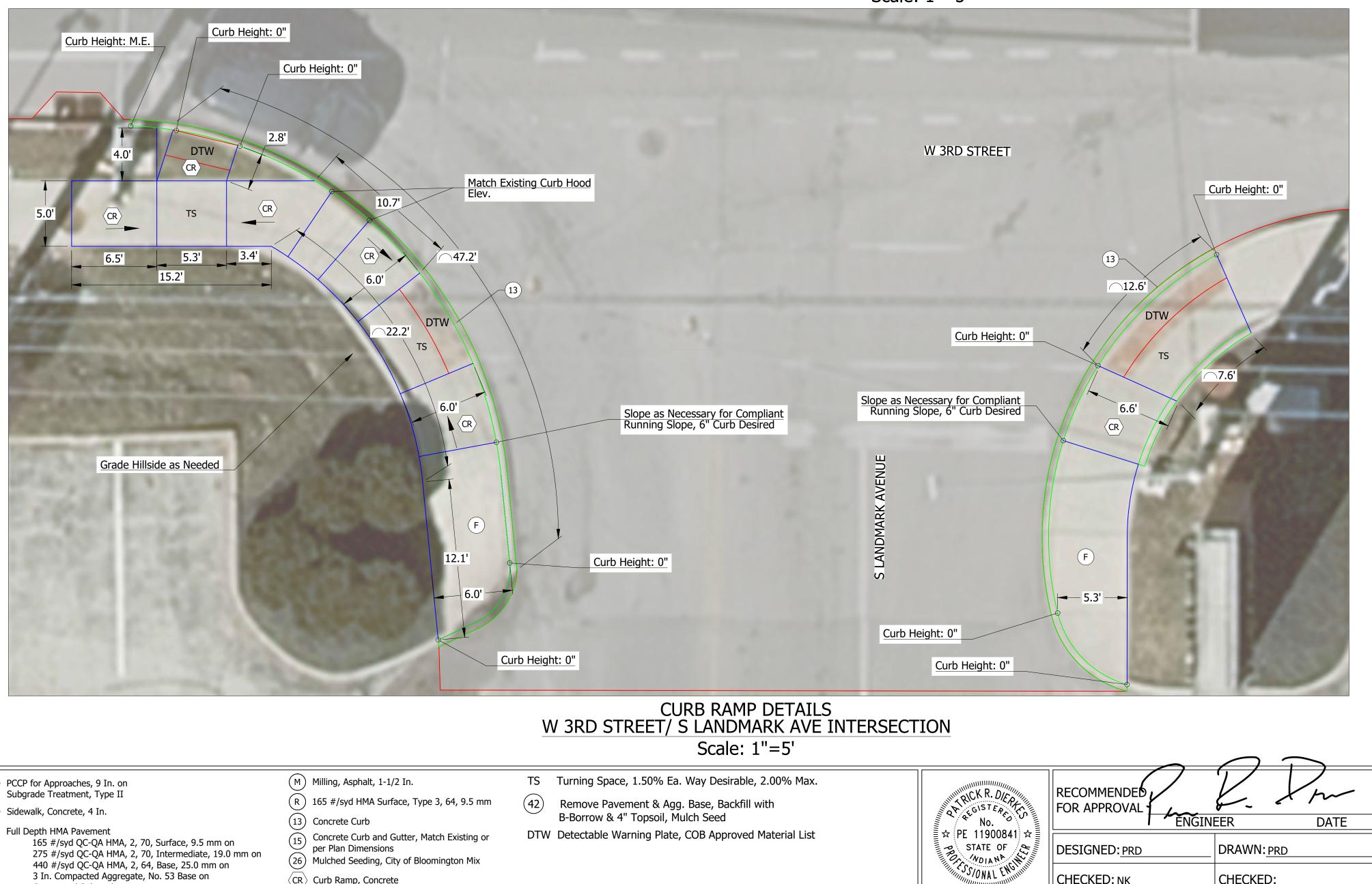


FILE: 3RDST_RESURFACING_PLAN_SHEET_CURB RAMP_07.DWG

- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
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HORIZONTAL SCALE	BRIDGE FILE			
1" = 5'	N/A			
VERTICLE SCALE	DESIGNATION			
N/A	N/A			
SURVEY BOOK	SHEETS			
N/A	11 of 17			
CONTRACT	PROJECT			
N/A	3RD STREET RESURFACING			





C1	PCCP for Approaches, 9 In. on Subgrade Treatment, Type II
	Sidewalk, Concrete, 4 In.

(K) Full Depth HMA Pavement 165 #/syd QC-QA HMA, 2, 70, Surface, 9.5 mm on 275 #/syd QC-QA HMA, 2, 70, Intermediate, 19.0 mm on 440 #/syd QC-QA HMA, 2, 64, Base, 25.0 mm on

3 In. Compacted Aggregate, No. 53 Base on

- (15) Concrete Curb and Gutter, Match Existing or
- per Plan Dimensions (26) Mulched Seeding, City of Bloomington Mix
- $\langle CR \rangle$ Curb Ramp, Concrete

FILE: 3RDST_RESURFACING_PLAN_SHEET_CURB RAMP_08.DWG

Compacted Subgrade



DESIGNED: PRD

CHECKED: NK

DRAWN: PRD

CHECKED:

• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the

• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the

Notes:

Owner for approval.

Contractor's expense.

Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%. • All exposed curb faces shall be finished. Back of curbs in grass



- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be • relocated/replaced. Contractor shall provide temporary signage as needed during construction.

HORIZONTAL SCALE	BRIDGE FILE			
1" = 5'	N/A			
VERTICLE SCALE	DESIGNATION			
N/A	N/A			
SURVEY BOOK	SHEETS			
N/A	12 of 17			
CONTRACT	PROJECT			
N/A	3RD STREET RESURFACING			



(C1)	PCCP for Approaches, 9 In. on Subgrade Treatment, Type II
F	Sidewalk, Concrete, 4 In.

K Full Depth HMA Pavement

. 165 #/syd QC-QA HMA, 2, 70, Surface, 9.5 mm on 275 #/syd QC-QA HMA, 2, 70, Intermediate, 19.0 mm on 440 #/syd QC-QA HMA, 2, 64, Base, 25.0 mm on 3 In. Compacted Aggregate, No. 53 Base on Compacted Subgrade

FILE: 3RDST_RESURFACING_PLAN_SHEET_CURB RAMP_09.DWG

M Milling, Asphalt, 1-1/2 In.

- R 165 #/syd HMA Surface, Type 3, 64, 9.5 mm
- (13) Concrete Curb
- (15) Concrete Curb and Gutter, Match Existing or per Plan Dimensions
- 26 Mulched Seeding, City of Bloomington Mix
- $\langle \mathsf{CR}
 angle$ Curb Ramp, Concrete

TS Turning Space, 1.50% Ea. Way Desira

- (42) Remove Pavement & Agg. Base, Back B-Borrow & 4" Topsoil, Mulch Seed
- DTW Detectable Warning Plate, COB Appro

CURB RAMP DETAILS W 3RD STREET/ S WESTPLEX AVENUE INTERSECTION Scale: 1"=5'

				 Notes: Dimensions and layouts shore required to meet PROWAG removal/reconstruction is redowner for approval. Curb ramps shall slope to the turning space elevations to roadway. Ponding at curb redownay. Ponding at curb redownay. Ponding at curb redownay. Curbs at curb ramps shall the called out on the curb ramps circulation routes shall not circulation routes flares shall. All exposed curb faces shall
able, 2.00% Max. kfill with	No.	RECOMMENDED FOR APPROVAL	VEER DATE	CITY OF B ENGINEERIN
oved Material List	PE 11900841 *	DESIGNED: <u>prd</u> CHECKED: <u>NK</u>	DRAWN: <u>PRD</u>	3RD STREE PATTERSON DRIV CURB R

areas, item "42", shall be finished as needed to achieve grass slopes of 6:1 max.

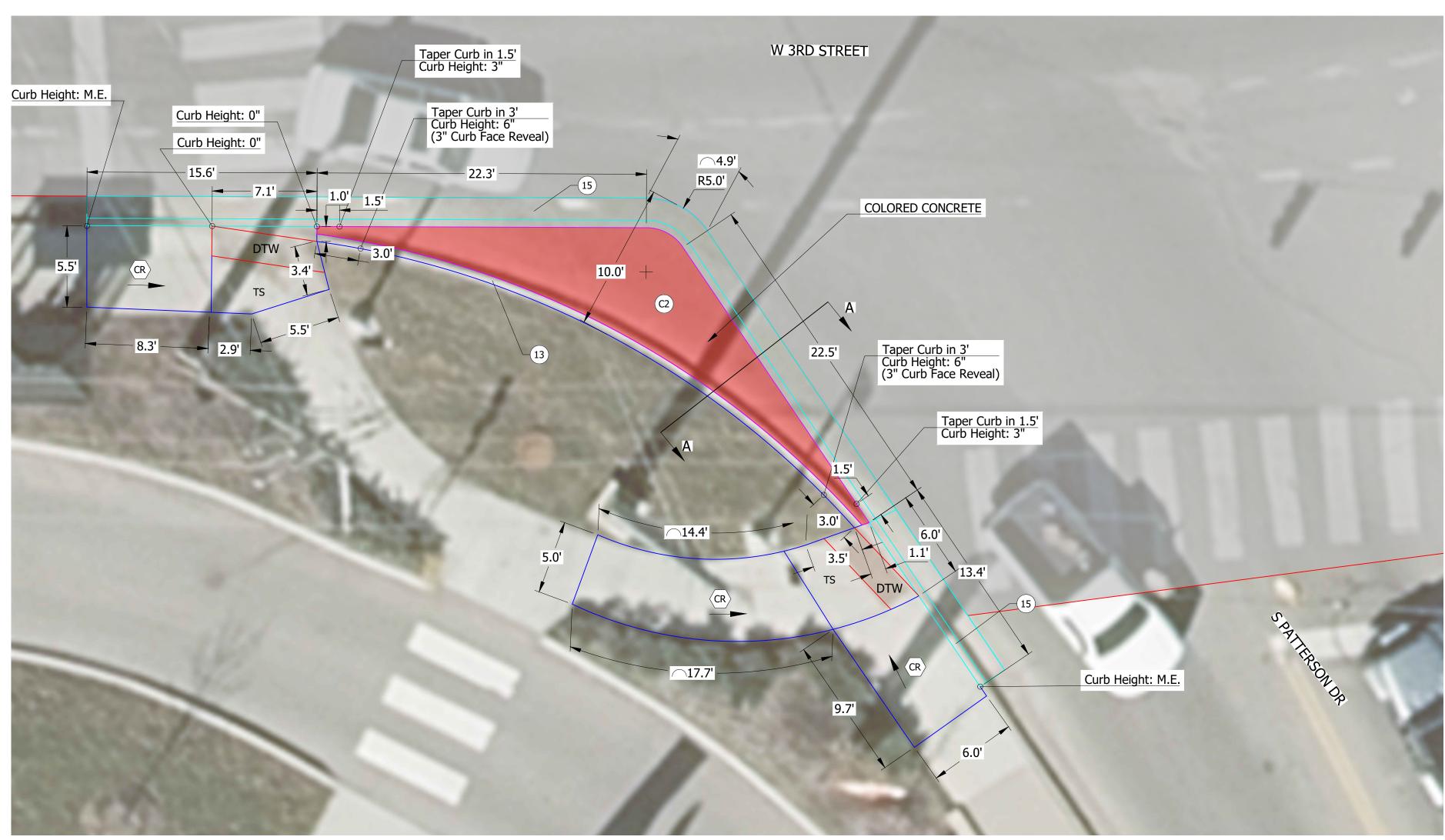
- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall coordinate as needed with the appropriate utility.
- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

HORIZONTAL SCALE BRIDGE FILE BLOOMINGTON NG DEPARTMENT 1" = 5' N/A VERTICLE SCALE DESIGNATION N/A N/A RD STREET RESURFACING SON DRIVE TO FRANKLIN ROAD CURB RAMP DETAILS SURVEY BOOK SHEETS 13 of 17 N/A PROJECT CONTRACT N/A 3RD STREET RESURFACING

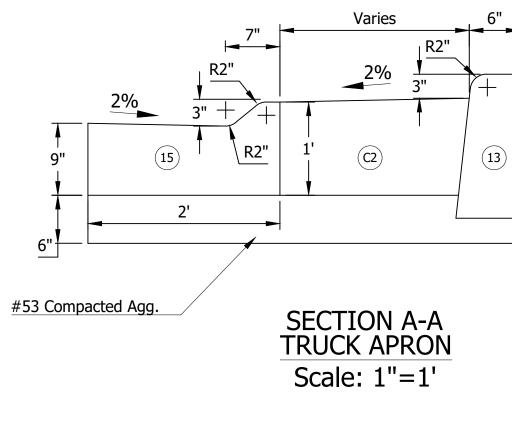
own are considered the maximum requirements. If additional required the Contractor shall notify the

the roadway. Contractor shall set ensure curb ramps slope to the ramps shall be corrected at the

taper from 0" to 6" in the distance np details. Flare slopes in pedestrian t exceed 10.0%. In non-pedestrian hall not exceed 25.0%. all be finished. Back of curbs in grass



CURB RAMP DETAILS W 3RD STREET/ S PATTERSON DR INTERSECTION Scale: 1"=5'



C1 PCCP for Approaches, 9 In. on Subgrade Treatment, Type II (F) Sidewalk, Concrete, 4 In.

K Full Depth HMA Pavement 165 #/syd QC-QA HMA, 2, 70, Surface, 9.5 mm on 275 #/syd QC-QA HMA, 2, 70, Intermediate, 19.0 mm on 440 #/syd QC-QA HMA, 2, 64, Base, 25.0 mm on 3 In. Compacted Aggregate, No. 53 Base on

(M) Milling, Asphalt, 1-1/2 In.

- (R) 165 #/syd HMA Surface, Type 3, 64, 9.5 mm
- (13) Concrete Curb
- (15) Concrete Curb and Gutter, Match Existing or per Plan Dimensions
- (26) Mulched Seeding, City of Bloomington Mix
- $\langle CR \rangle$ Curb Ramp, Concrete

TS Turning Space, 1.50% Ea. Way Desi

- (42) Remove Pavement & Agg. Base, Bac B-Borrow & 4" Topsoil, Mulch Seed
- DTW Detectable Warning Plate, COB Appr

C2 PCCP (Colored) for Approaches, 12 In. on Subgrade Treatment, Type II

FILE: 3RDST_RESURFACING_PLAN_SHEET_CURB RAMP_10.DWG

Compacted Subgrade

				 Notes: Dimensions and layouts shown are considered the maximu required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall not Owner for approval. Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the Contractor's expense. Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestric circulation routes shall not exceed 10.0%. In non-pedestria circulation routes flares shall not exceed 25.0%. All exposed curb faces shall be finished. Back of curbs in get
sirable, 2.00% Max. ackfill with I	Registered Strange	RECOMMENDED FOR APPROVAL	VEER DATE	CITY OF BLOOMINGTO ENGINEERING DEPARTM
proved Material List	PE 11900841 ☆ STATE OF NDIANA NDIANA SS/ONAL ENGINIUM	DESIGNED: <u>prd</u> CHECKED: <u>nk</u>	DRAWN: <u>prd</u>	3RD STREET RESURFACING PATTERSON DRIVE TO FRANKLIN R CURB RAMP DETAILS

shown are considered the maximum AG requirements. If additional is required the Contractor shall notify the

to the roadway. Contractor shall set s to ensure curb ramps slope to the

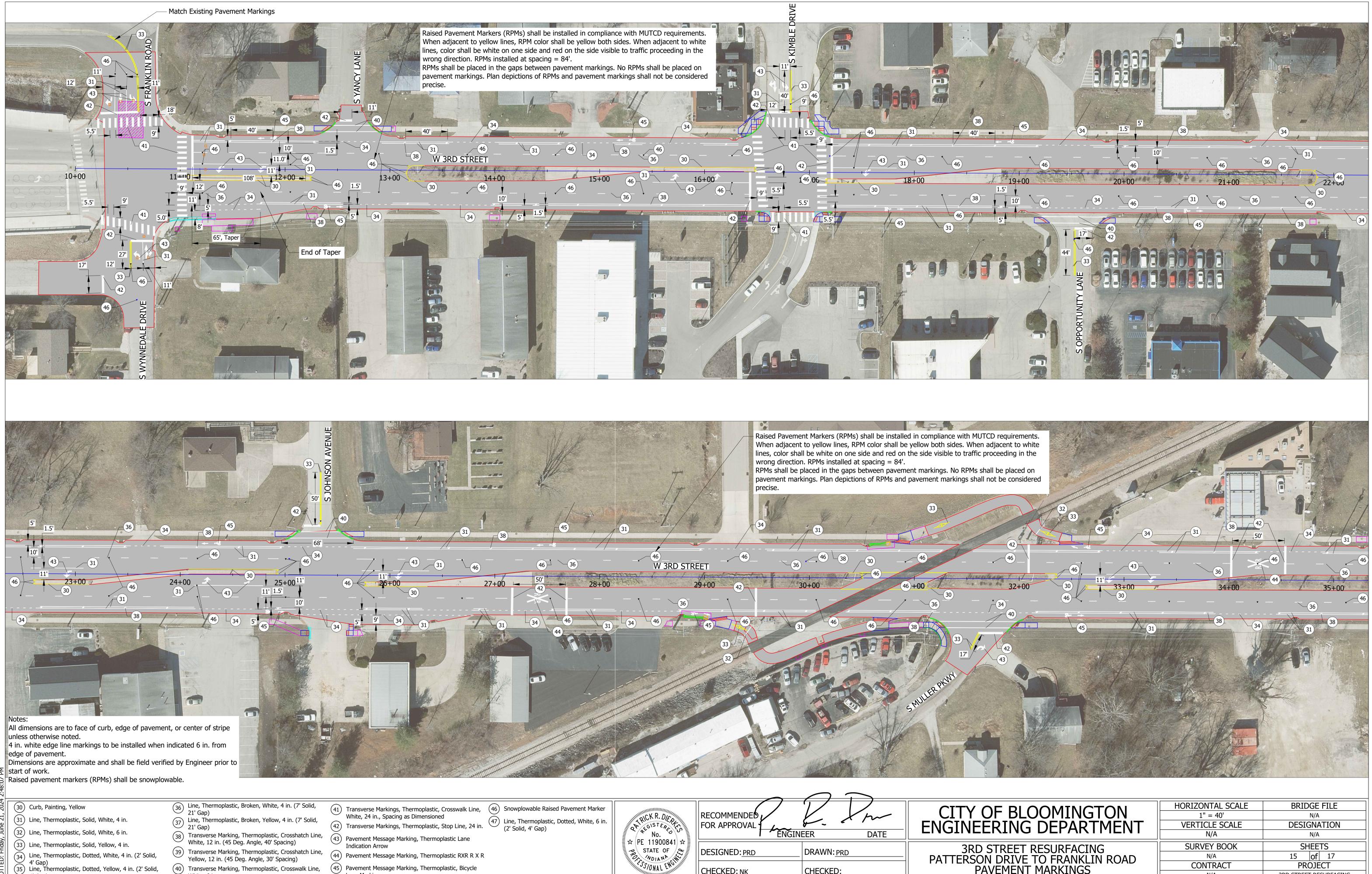
all taper from 0" to 6" in the distance amp details. Flare slopes in pedestrian not exceed 10.0%. In non-pedestrian shall not exceed 25.0%.

shall be finished. Back of curbs in grass



- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities shall be adjusted to grade as needed for construction. Contractor shall
- coordinate as needed with the appropriate utility. Meters and sign posts impacted during construction shall be • relocated/replaced. Contractor shall provide temporary signage as needed during construction.

	HORIZONTAL SCALE	BRIDGE FILE
	1" = 5'	N/A
VERTICLE SCALE		DESIGNATION
	N/A	N/A
	SURVEY BOOK	SHEETS
	N/A	14 of 17
	CONTRACT	PROJECT
	N/A	3RD STREET RESURFACING



FILE: 3RDST_RESURFACING_PLAN_SHEET_MARKING_01.DWG

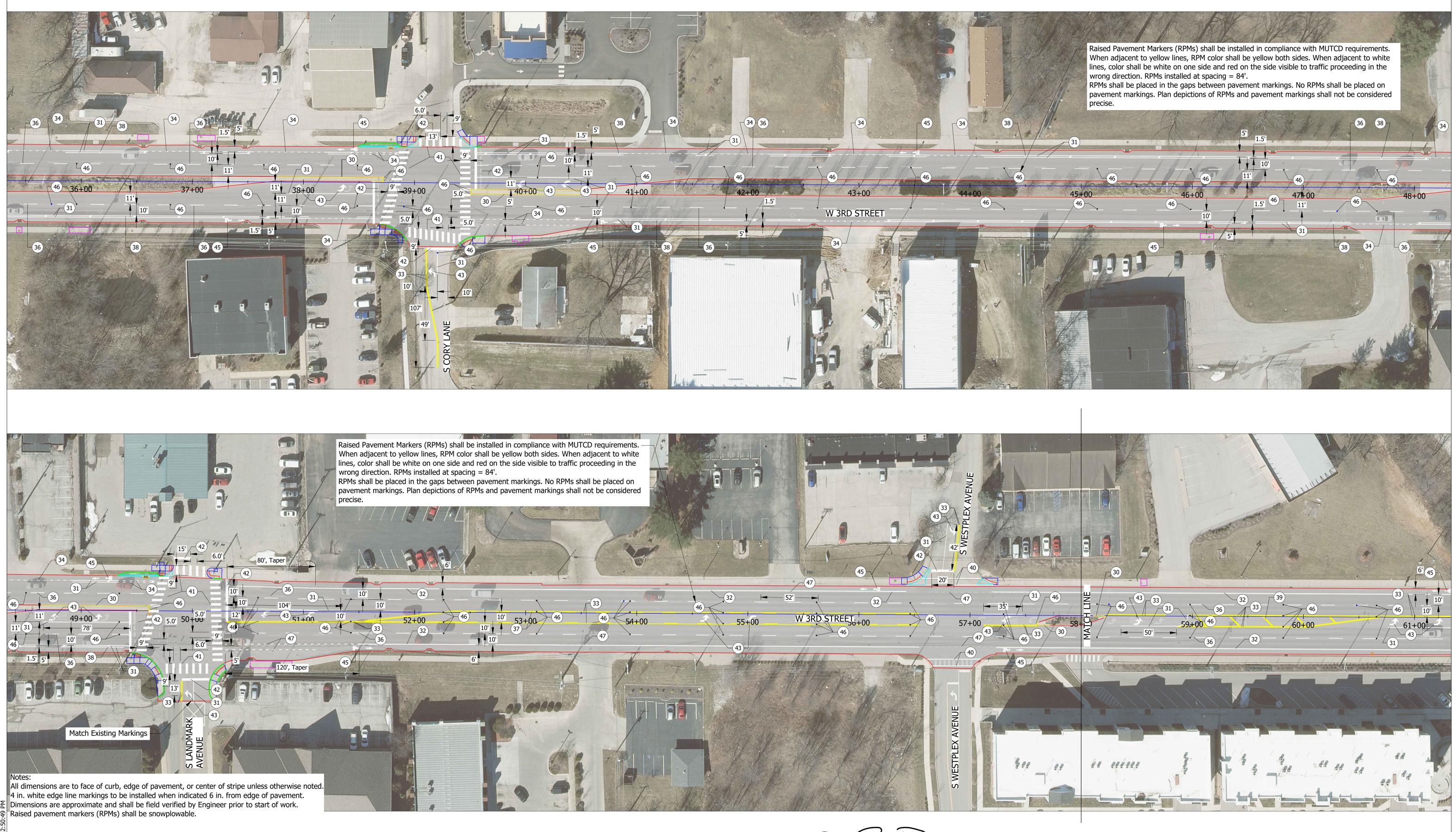
4' Gap)

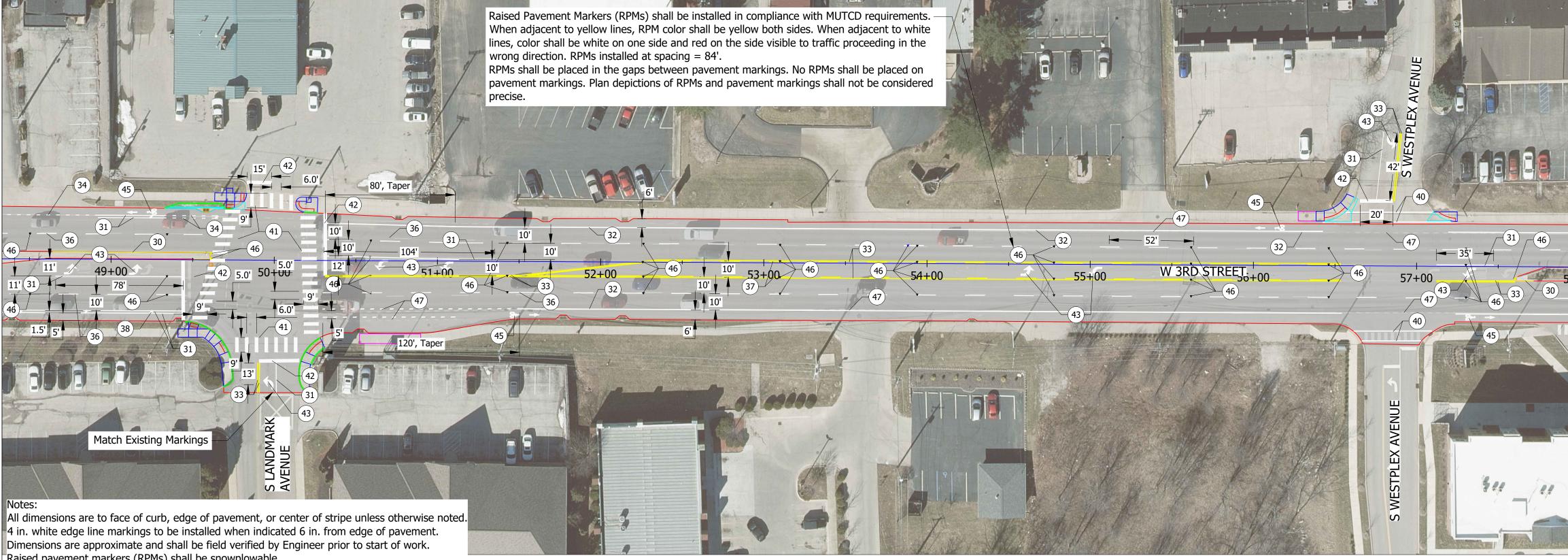
White, 6 in.

(45) Pavement Message Marking, Thermoplastic, Bicycle Lane Marking

			\frown	
 46 Snowplowable Raised Pavement Marker 47 Line, Thermoplastic, Dotted, White, 6 in. (2' Solid, 4' Gap) 	No.	RECOMMENDED FOR APPROVAL	EER DATE	CITY OF E ENGINEERI
	PE 11900841 A	DESIGNED: PRD	DRAWN: prd	3RD STRE PATTERSON DR
		CHECKED: <u>NK</u>	CHECKED:	PAVEM

BLOOMINGTON	HORIZONTAL SCALE 1" = 40'	BRIDGE FILE
NG DEPARTMENT	VERTICLE SCALE	DESIGNATION
	N/A	N/A
ET RESURFACING	SURVEY BOOK	SHEETS
IVE TO FRANKLIN ROAD	N/A	15 of 17
ENT MARKINGS	CONTRACT	PROJECT
	N/A	3RD STREET RESURFACING





	(30) Curb, Painting,	Yello
1			

4' Gap)

- $\begin{bmatrix} 17\\ 31 \end{bmatrix}$ Line, Thermoplastic, Solid, White, 4 in.
- (32) Line, Thermoplastic, Solid, White, 6 in.
- (33) Line, Thermoplastic, Solid, Yellow, 4 in.
- (34) Line, Thermoplastic, Dotted, White, 4 in. (2' Solid,
- 4' Gap)

- (35) Line, Thermoplastic, Dotted, Yellow, 4 in. (2' Solid,
 - White, 6 in.
- (41) Transverse Markings, Thermoplastic, Crosswalk Line, (White, 24 in., Spacing as Dimensioned
- 37 Line, Thermoplastic, Broken, Yellow, 4 in. (7' Solid, 21' Gap)
- 38
 Transverse Marking, Thermoplastic, Crosshatch Line,

 White, 12 in. (45 Deg. Angle, 40' Spacing)

 Pavement Message Marking, Thermoplastic Lane
 Indication Arrow

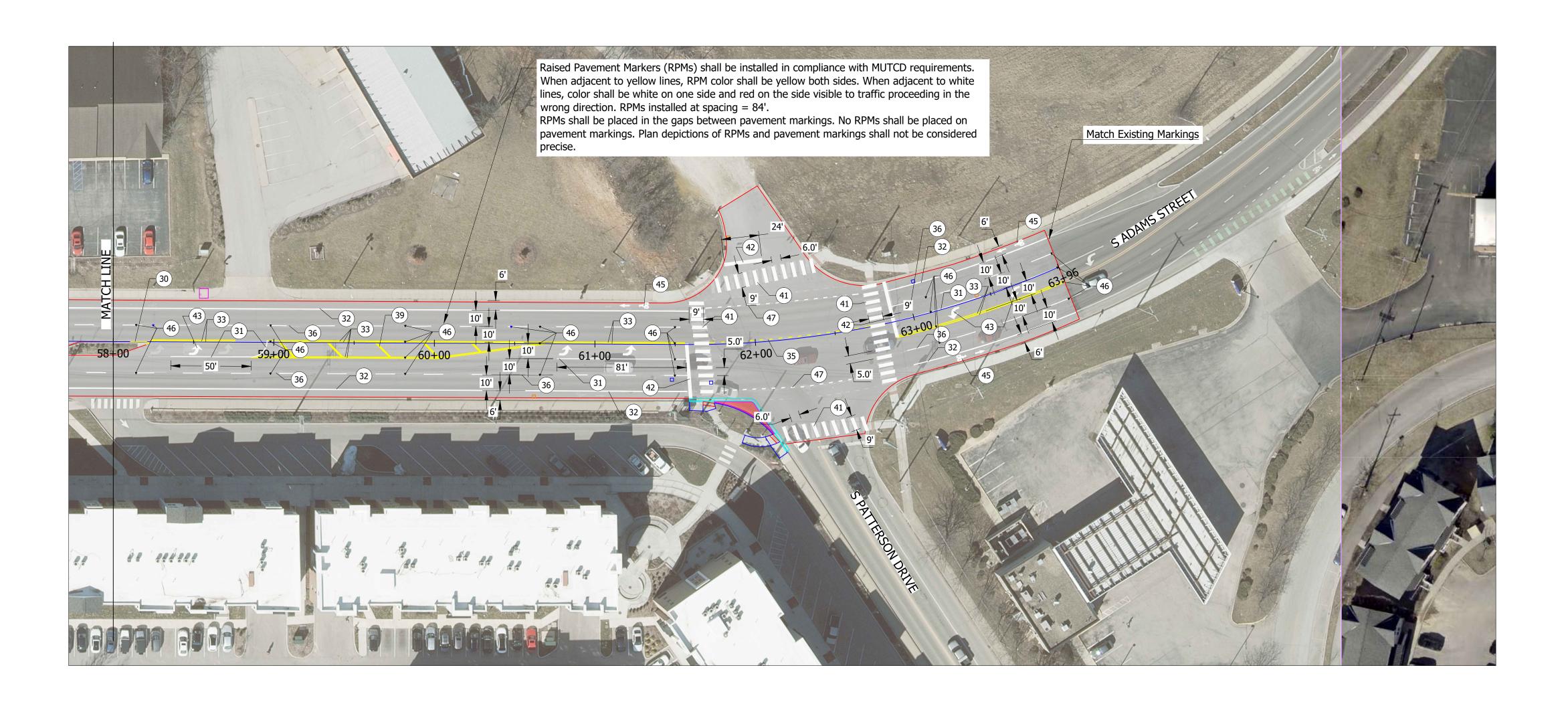
(36) Line, Thermoplastic, Broken, White, 4 in. (7' Solid, 21' Gap)

- Yellow, 12 in. (45 Deg. Angle, 30' Spacing) (40) Transverse Marking, Thermoplastic, Crosswalk Line,
- (42) Transverse Markings, Thermoplastic, Stop Line, 24 in.
- Indication Arrow
- (39) Transverse Marking, Thermoplastic, Crosshatch Line, (44) Pavement Message Marking, Thermoplastic RXR R X R
 - (45) Pavement Message Marking, Thermoplastic, Bicycle Lane Marking

FILE: 3RDST_RESURFACING_PLAN_SHEET_MARKING_02.DWG

		<u> </u>	\frown	
 Snowplowable Raised Pavement Marker Line, Thermoplastic, Dotted, White, 6 in. (2' Solid, 4' Gap) 	No.	RECOMMENDED FOR APPROVAL	EER DATE	CITY OF I ENGINEERI
	E ☆ PE 11900841 ☆ E STATE OF STATE OF	DESIGNED: PRD	DRAWN: PRD	3RD STRE PATTERSON DR
	SSIONAL ENSIN	CHECKED: <u>NK</u>	CHECKED:	PAVEM

ET RESURFACING VE TO FRANKLIN ROADSURVEY BOOKSHEETSN/A16of17CONTRACTPROJECTN/A3RD STREET RESURFACING	BLOOMINGTON NG DEPARTMENT	HORIZONTAL SCALE 1" = 40' VERTICLE SCALE N/A	BRIDGE FILE N/A DESIGNATION N/A
NT MARKINGS CONTRACT PROJECT			
		CONTRACT	PROJECT



Notes:

All dimensions are to face of curb, edge of pavement, or center of stripe unless otherwise noted.

4 in. white edge line markings to be installed when indicated 6 in. from edge of pavement.

Dimensions are approximate and shall be field verified by Engineer prior to ∑ start of work.

 \Re Raised pavement markers (RPMs) shall be snowplowable.

(30) Curb, Painting, Yellow

4' Gap)

(31) Line, Thermoplastic, Solid, White, 4 in.

- (32) Line, Thermoplastic, Solid, White, 6 in.
- (33) Line, Thermoplastic, Solid, Yellow, 4 in.
- (34) Line, Thermoplastic, Dotted, White, 4 in. (2' Solid,
- 4' Gap)
- (35) Line, Thermoplastic, Dotted, Yellow, 4 in. (2' Solid,
- (40)Transverse Marking, Thermoplastic, Crosswalk Line,
White, 6 in.(45)Pavement Message Marking, Thermoplastic, Bicycle
Lane Marking White, 6 in.

(36) Line, Thermoplastic, Broken, White, 4 in. (7' Solid, 21' Gap)

- (41) Transverse Markings, Thermoplastic, Crosswalk Line, (White, 24 in., Spacing as Dimensioned
- 37 Line, Thermoplastic, Broken, Yellow, 4 in. (7' Solid, 21' Gap) (42) Transverse Markings, Thermoplastic, Stop Line, 24 in.
- 38
 Transverse Marking, Thermoplastic, Crosshatch Line, White, 12 in. (45 Deg. Angle, 40' Spacing)

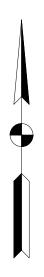
 Angle
 Angle

 Angle
 Angle
 </
- Indication Arrow

 (39)
 Transverse Marking, Thermoplastic, Crosshatch Line,
Yellow, 12 in. (45 Deg. Angle, 30' Spacing)
 (44)
 Pavement Message Marking, Thermoplastic RXR R X R

FILE: 3RDST_RESURFACING_PLAN_SHEET_MARKING_03.DWG

			\frown	
 46 Snowplowable Raised Pavement Marker 47 Line, Thermoplastic, Dotted, White, 6 in. (2' Solid, 4' Gap) 	No.	RECOMMENDED FOR APPROVAL	EER DATE	CITY OF E ENGINEERIN
	E ☆ PE 11900841 ☆ E STATE OF STATE OF	DESIGNED: PRD	DRAWN: PRD	3RD STRE
	SCIONAL ENGINEERING	CHECKED: <u>NK</u>	CHECKED:	PAVEME



	HORIZONTAL SCALE	BRIDGE FILE
BLOOMINGTON	1" = 40'	N/A
NG DEPARTMENT	VERTICLE SCALE	DESIGNATION
	N/A	N/A
EET RESURFACING	SURVEY BOOK	SHEETS
RIVE TO FRANKLIN ROAD	N/A	17 of 17
IENT MARKINGS	CONTRACT	PROJECT
	N/A	3RD STREET RESURFACING