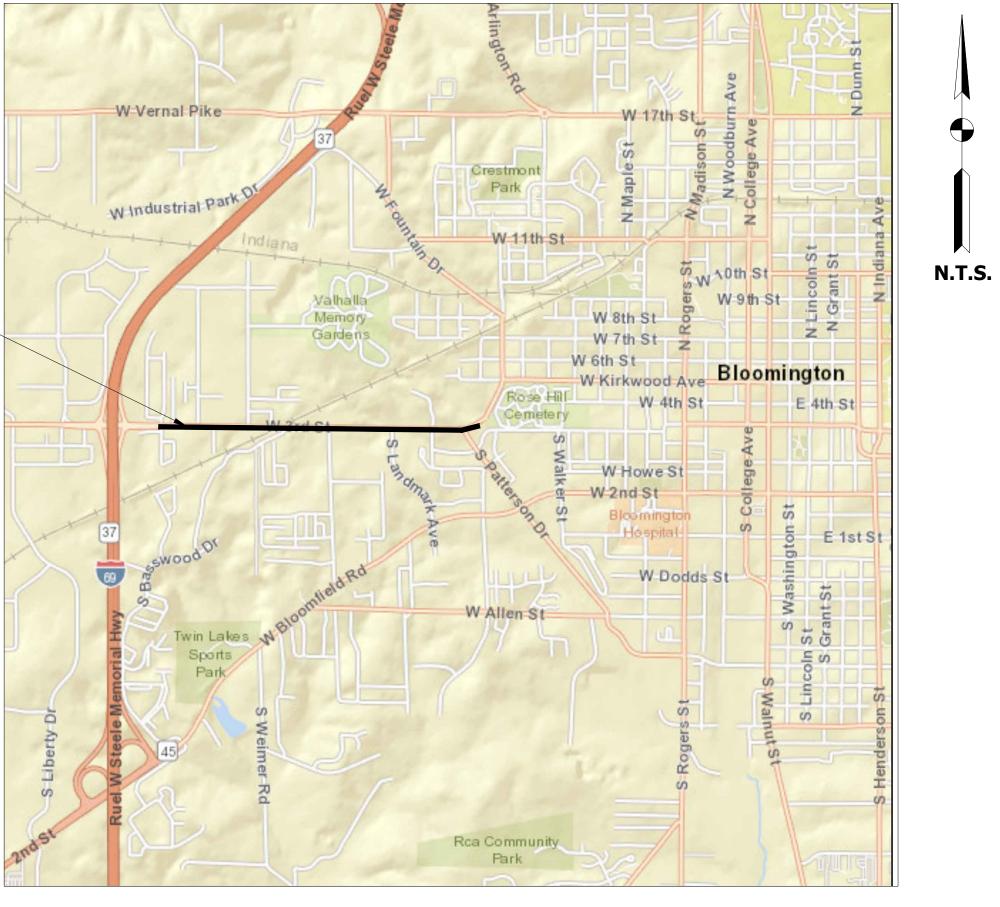
# 3RD STREET (PATTERSON DRIVE TO FRANKLIN ROAD) CURB RAMP IMPROVEMENTS & RESURFACING

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<br>1" = 40' | BRIDGE FILE            |
|--|--|--------------------|---------------------------------------|--|------------------------------|------------------------|
|  |  | FOR APPROVAL       | GINEER DATE                           | ENGINEERING DEPARTMENT                                       | VERTICLE SCALE               | N/A<br>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<br>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.

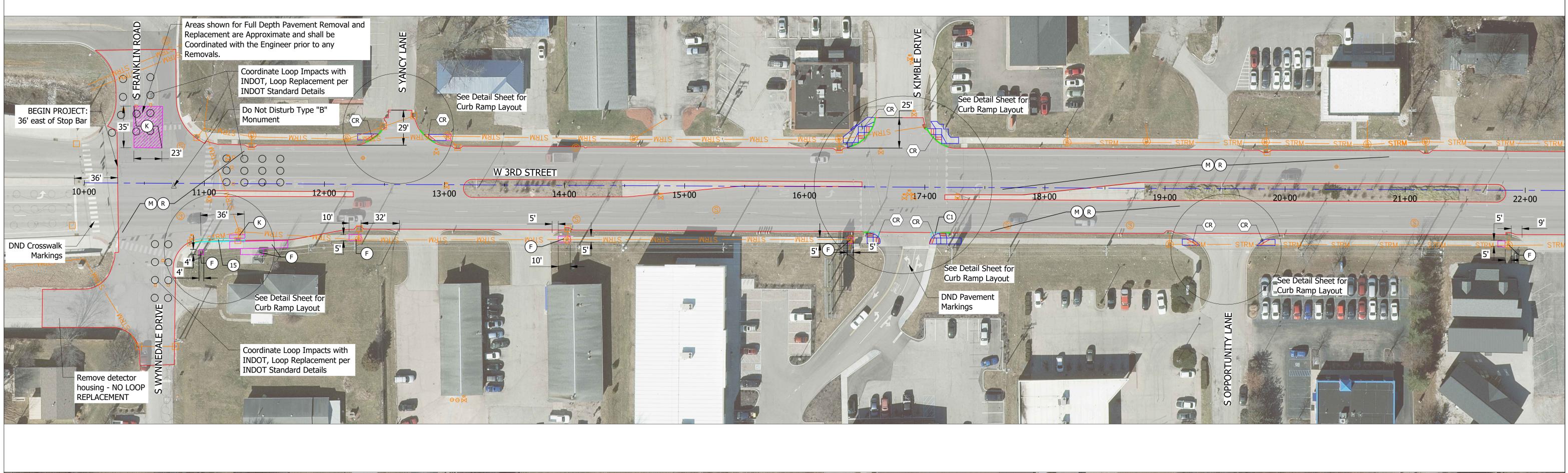
All longline pavement markings are dimensioned to face of curb (FOC), lip of gutter or edge of pavement and center of stripe. For double lane lines, dimensions are to the point midway between the two lines.

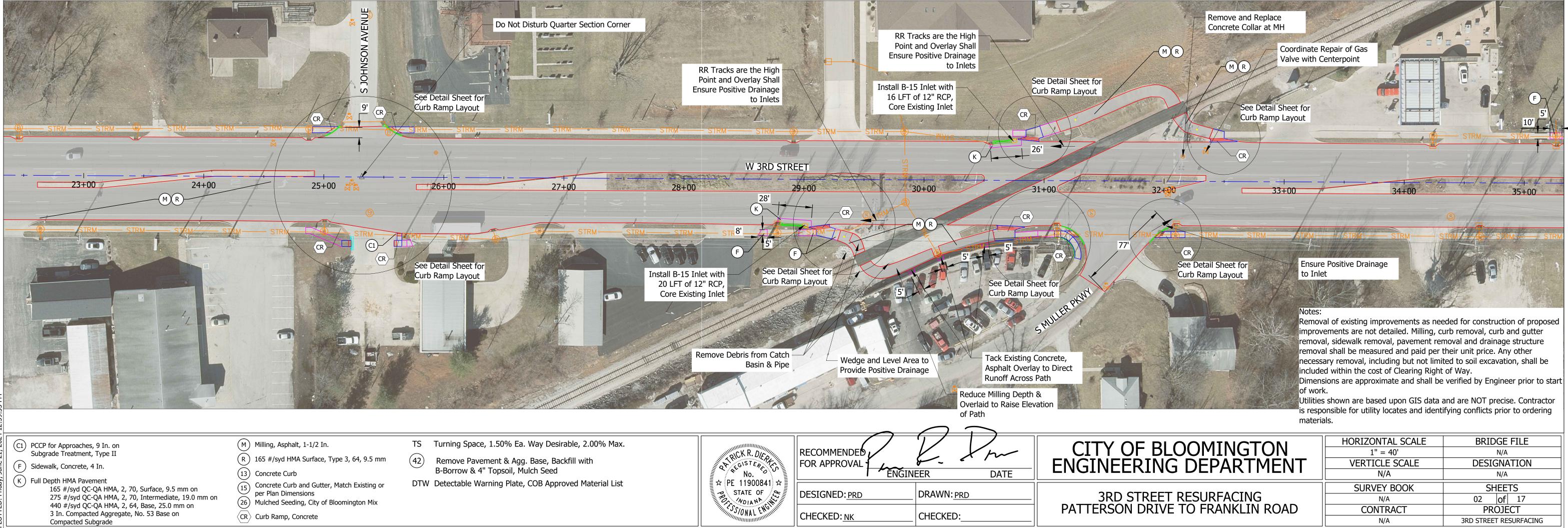
Maintenance of traffic (vehicular and pedestrian): Continuous maintenance of access to businesses and residences shall be provided along with protection of the public from construction activities at all times. Temporary traffic control shall be provided by the contractor and shall be in accordance with 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.

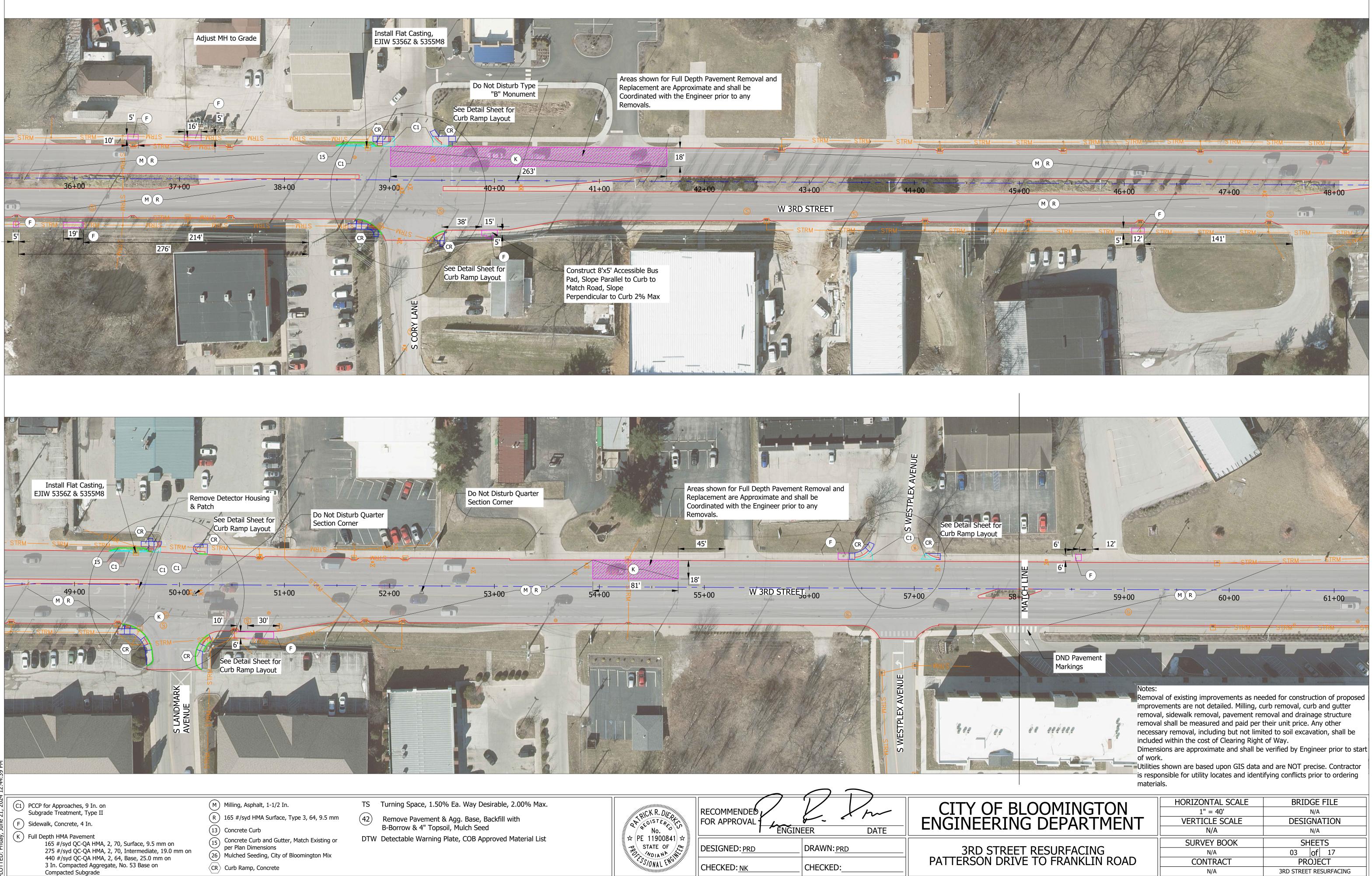
CITY OF BLOOMINGTON STANDARD DRAWINGS FOUND AT: BLOOMINGTON.IN.GOV/ENGINEERING/RESOURCES TO BE USED WITH THESE PLANS.

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





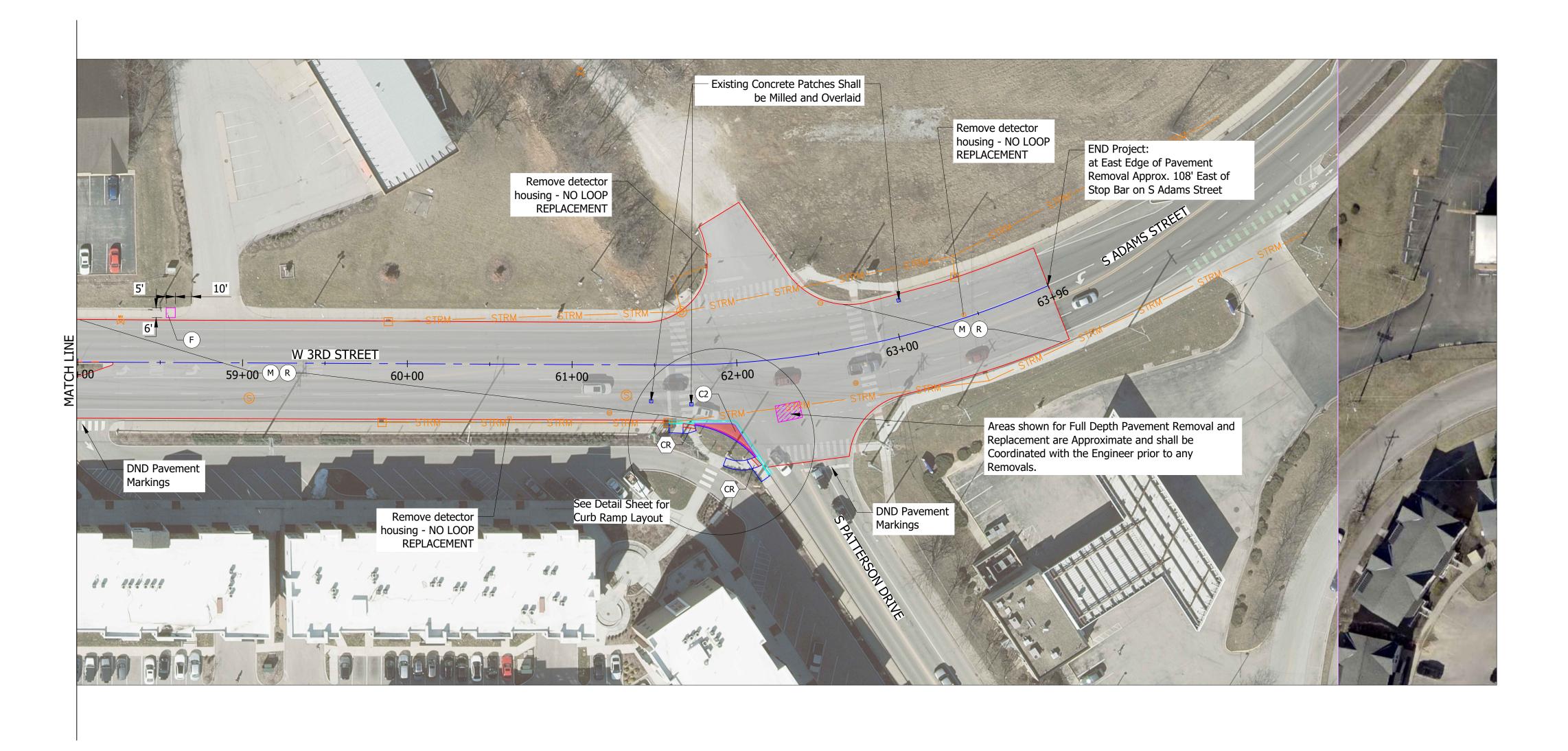
FILE: 3RDST\_RESURFACING\_PLAN\_SHEET\_01.DWG



FILE: 3RDST\_RESURFACING\_PLAN\_SHEET\_02.DWG

|                     |                        |                    | $\frown$          |              |
|---------------------|------------------------|--------------------|-------------------|--------------|
| irable, 2.00% Max.  |                        | RECOMMENDED        | 1 /               |              |
| ckfill with         | THE REGISTER THE       | FOR APPROVAL       |                   | ENGINEERI    |
| roved Material List | No.<br>► 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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| Ë       |

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

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

Notes:

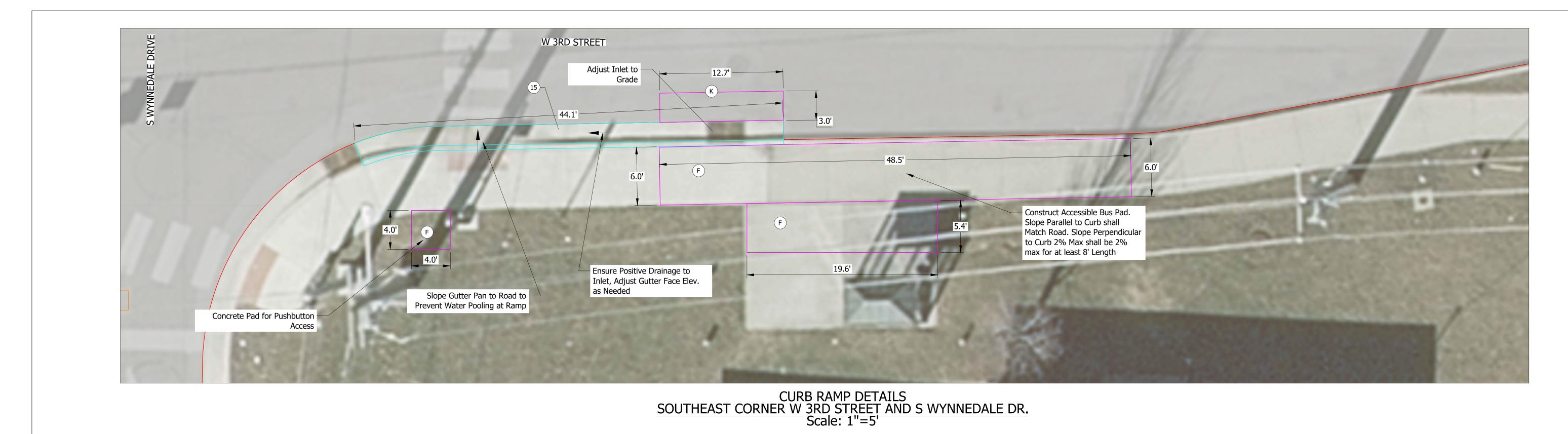
Removal of existing improvements as needed for construction of proposed improvements are not detailed. Milling, curb removal, curb and gutter removal, sidewalk removal, pavement removal and drainage structure removal shall be measured and paid per their unit price. Any other necessary removal, including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

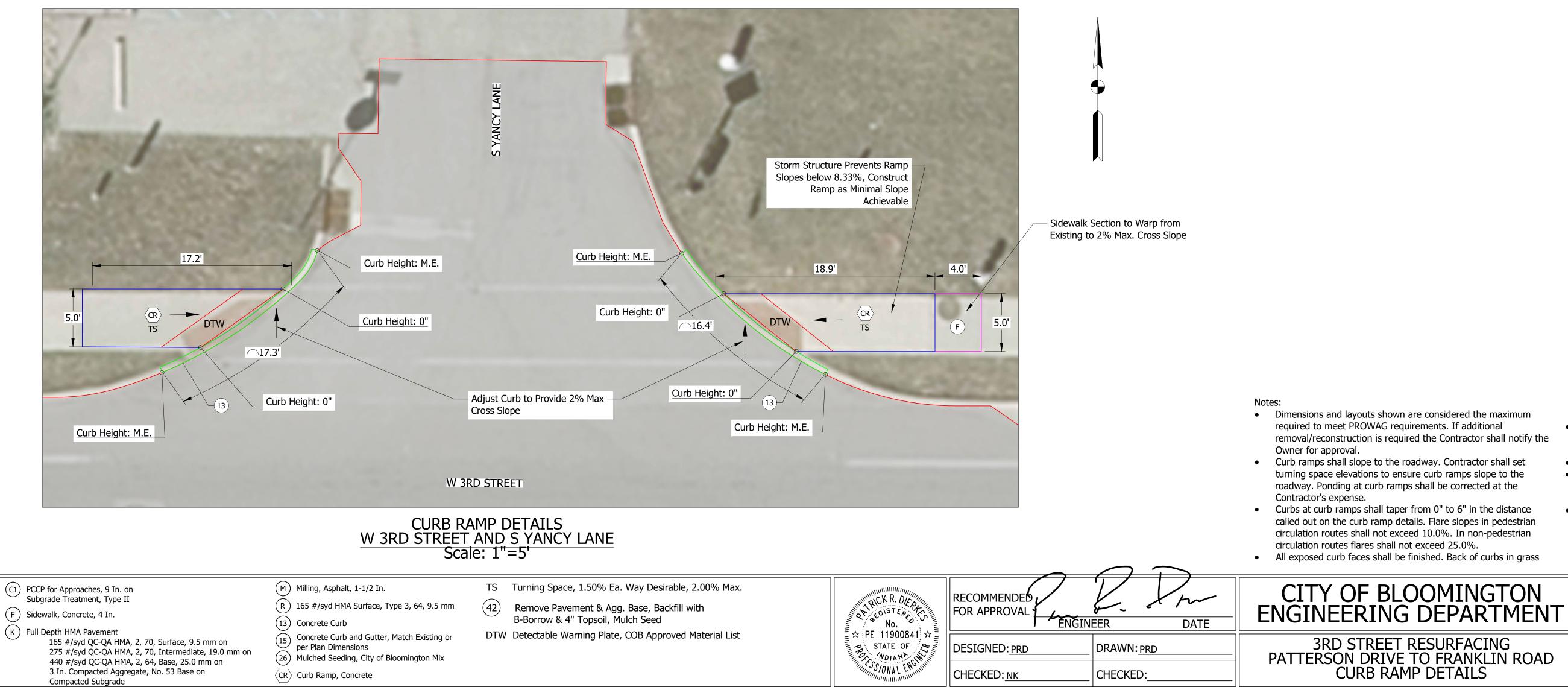
Dimensions are approximate and shall be verified by Engineer prior to start of work.

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 |  |

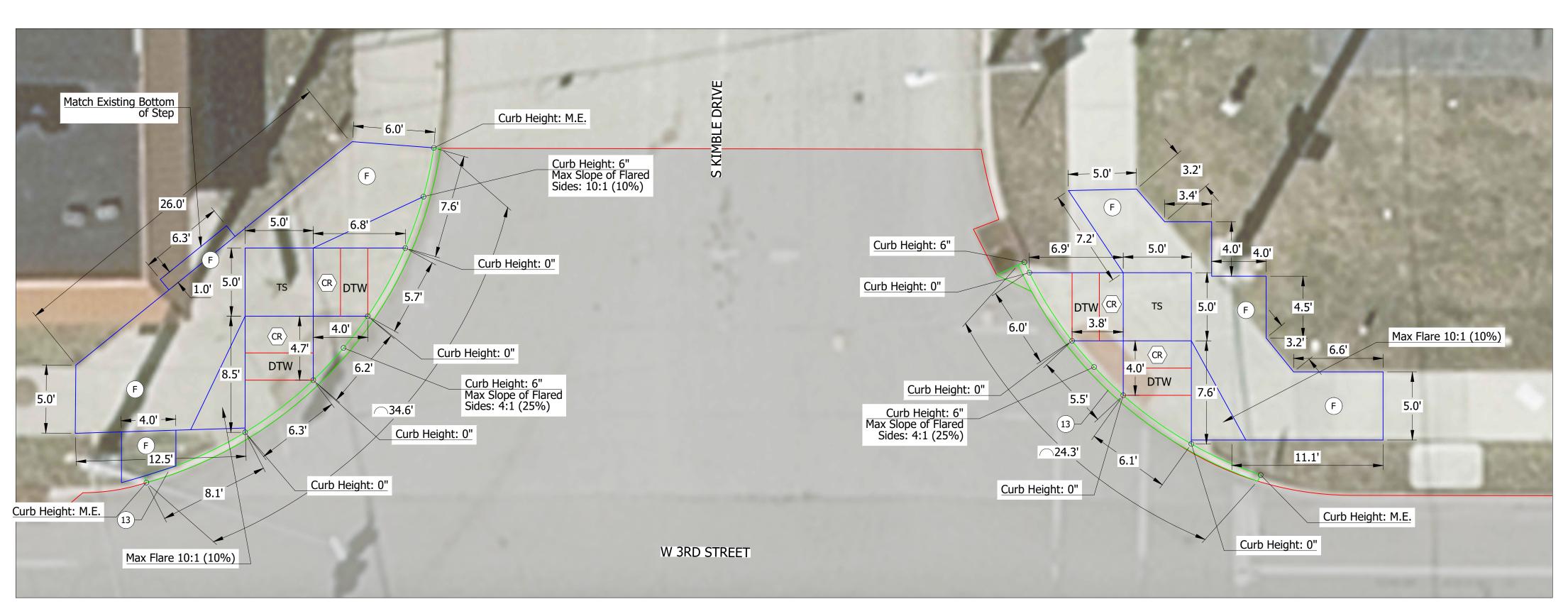




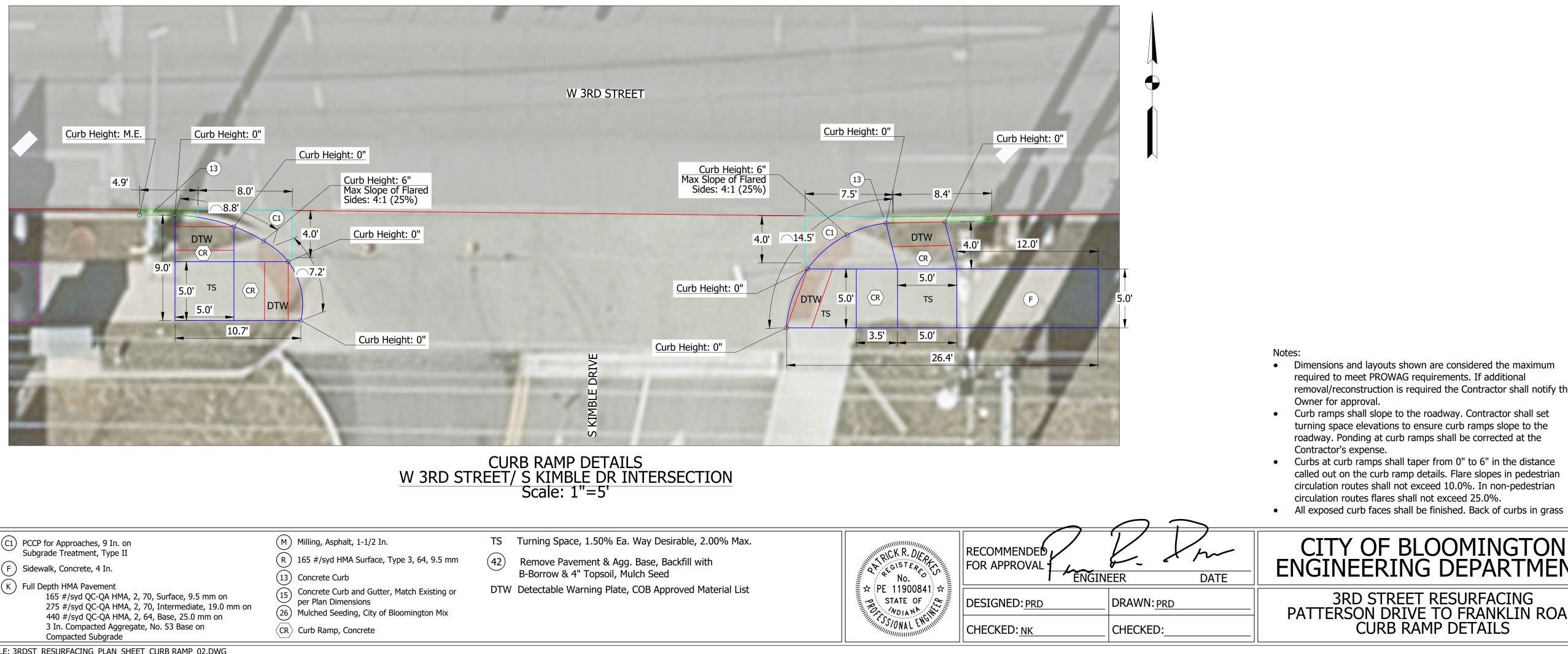
FILE: 3RDST\_RESURFACING\_PLAN\_SHEET\_CURB RAMP\_01.DWG

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

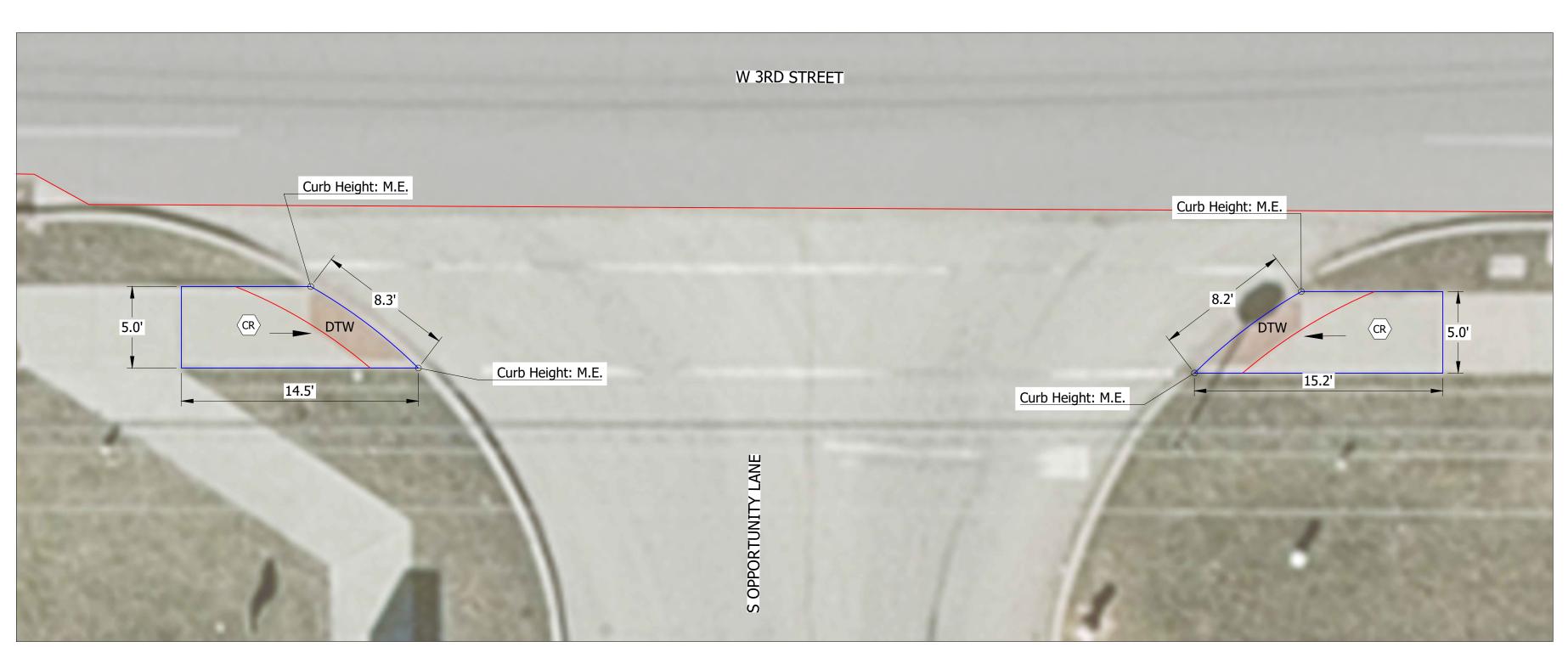
• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the

• 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     |
| Friday,  |
| Ë        |

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

|                    |                 |                    |                   | <ul> <li>Owner for approval.</li> <li>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.</li> <li>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%.</li> <li>All exposed curb faces shall be finished. Back of curbs in get</li> </ul> |
|--------------------|-----------------|--------------------|-------------------|--|
| 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<br>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

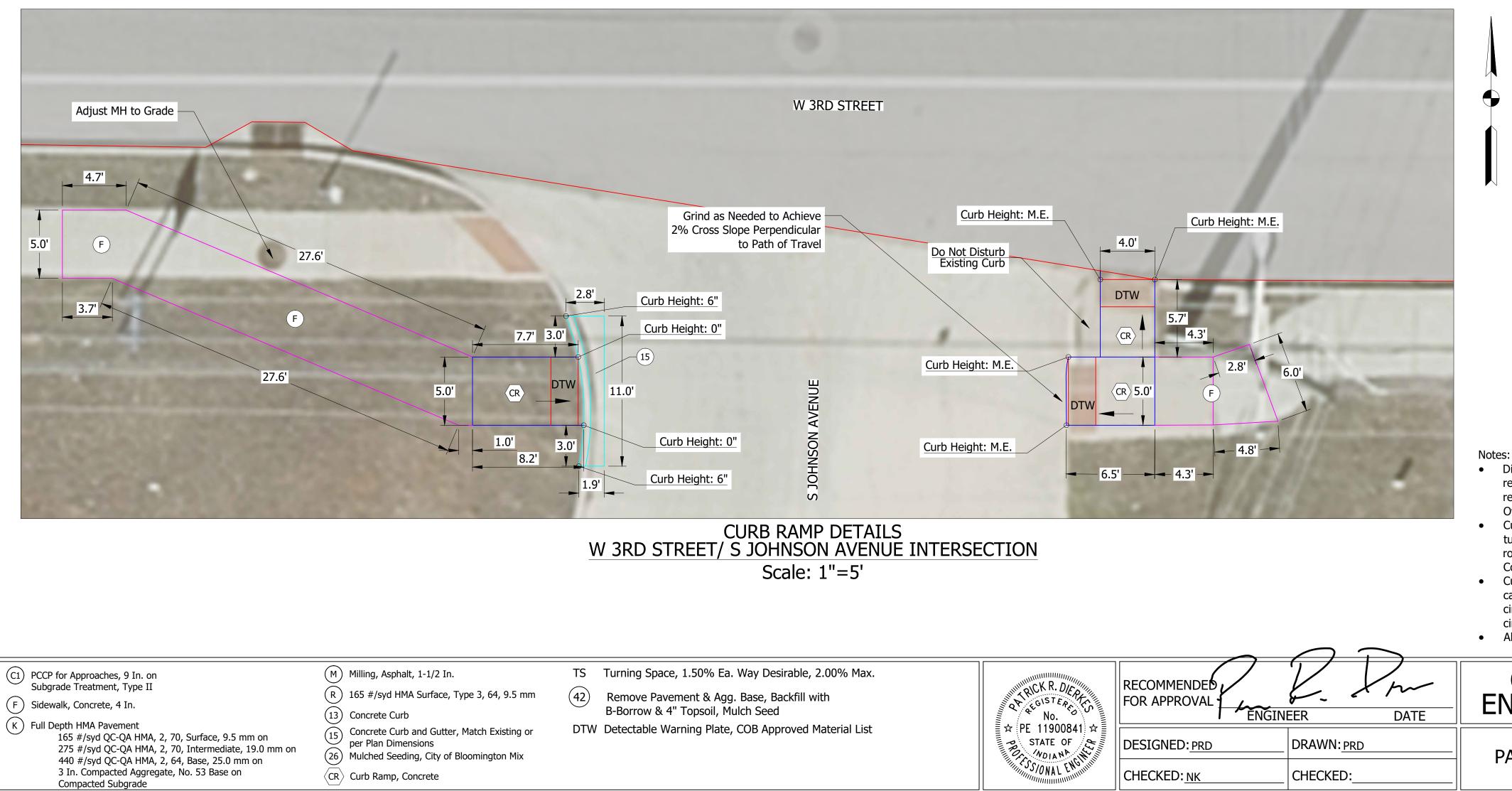
BLOOMINGTON NG DEPARTMENT EET RESURFACING IVE TO FRANKLIN ROAD RAMP DETAILS

- 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.
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| 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.

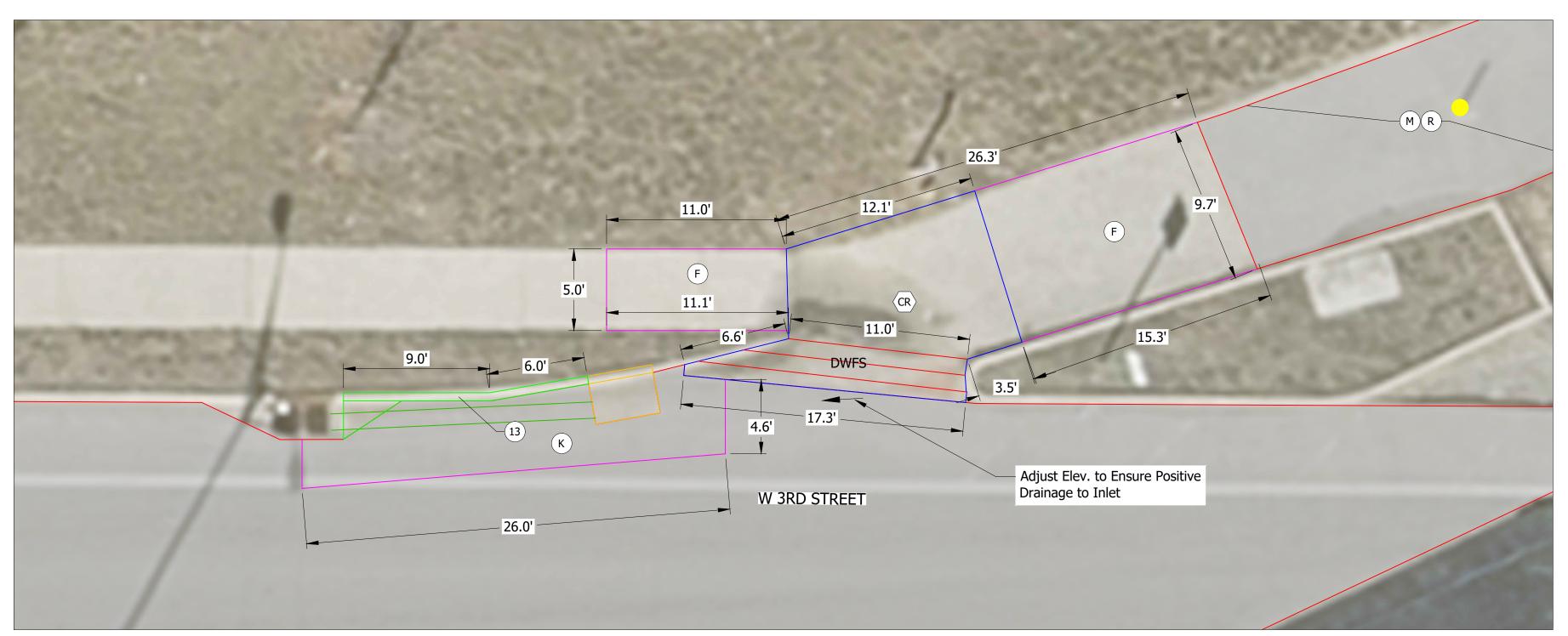
Contractor's expense.

• 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

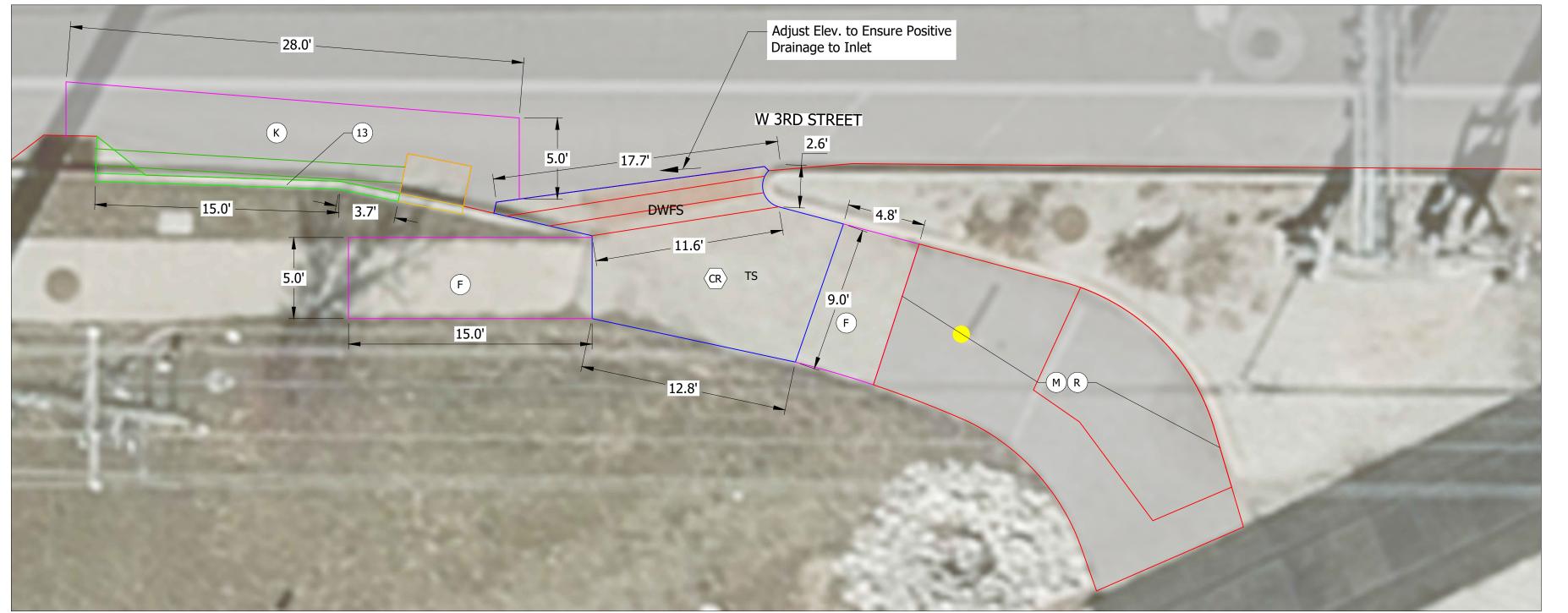
CITY OF BLOOMINGTON ENGINEERING DEPARTMENT 3RD STREET RESURFACING PATTERSON DRIVE TO FRANKLIN ROAD CURB RAMP DETAILS

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- 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              | 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

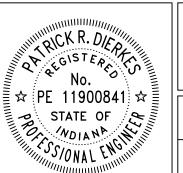
(42) Remove Pavement & Agg. Base, Bac B-Borrow & 4" Topsoil, Mulch Seed DTW Detectable Warning Plate, COB Appr DWFS Directional Wayfinding Strips

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

| sirable, 2.00% Max.  |  |
|----------------------|--|
| ackfill with         |  |
| proved Material List |  |



|                    | $\frown$          | $\searrow$ |
|--------------------|-------------------|------------|
| RECOMMENDED        | K.J               | m          |
| ĔNGIN              | EER               | DATE       |
| DESIGNED: PRD      | DRAWN: <u>prd</u> |            |
| CHECKED: <u>NK</u> | CHECKED:          |            |

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| PATTE |     |  |

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

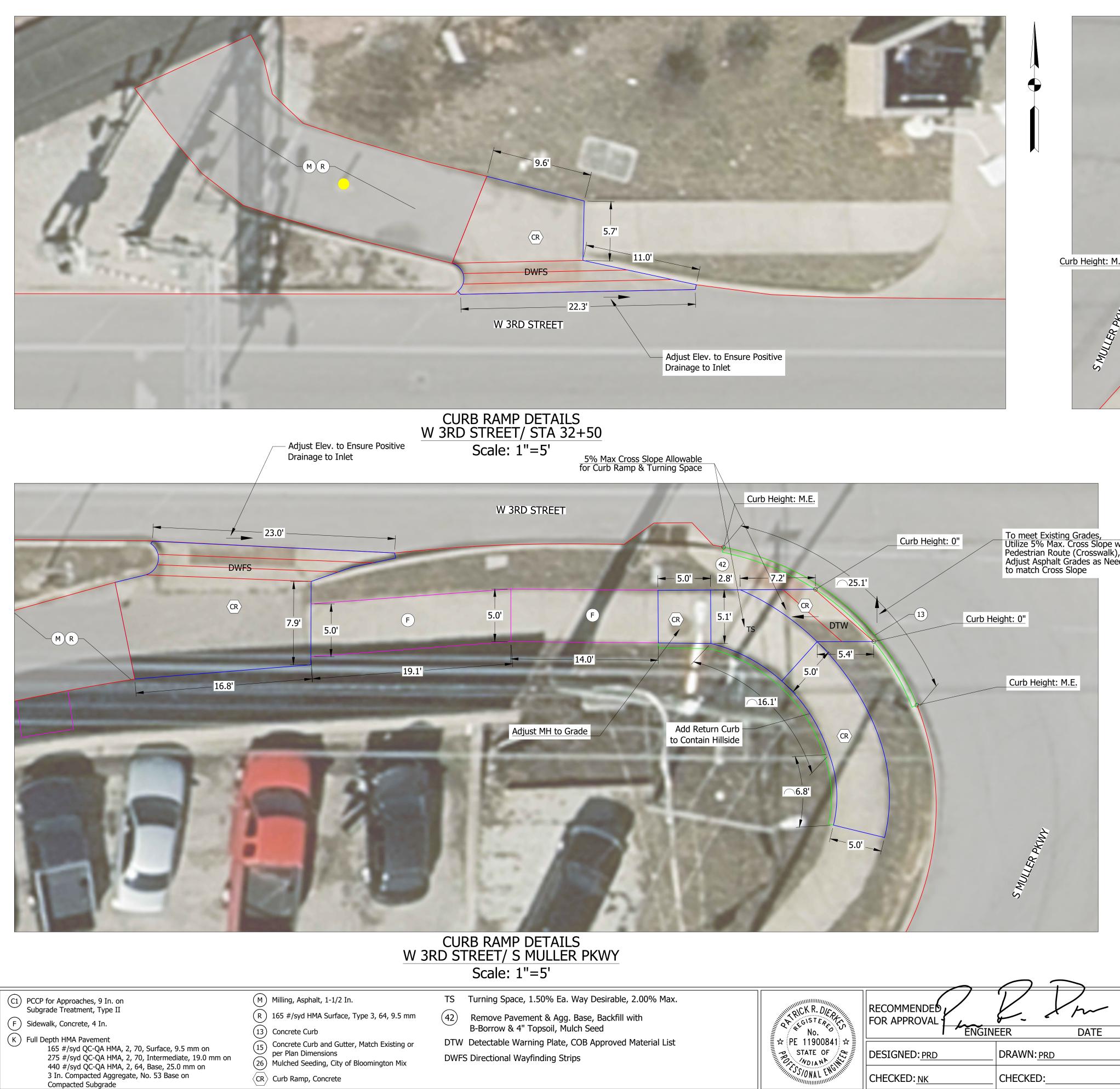
• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the

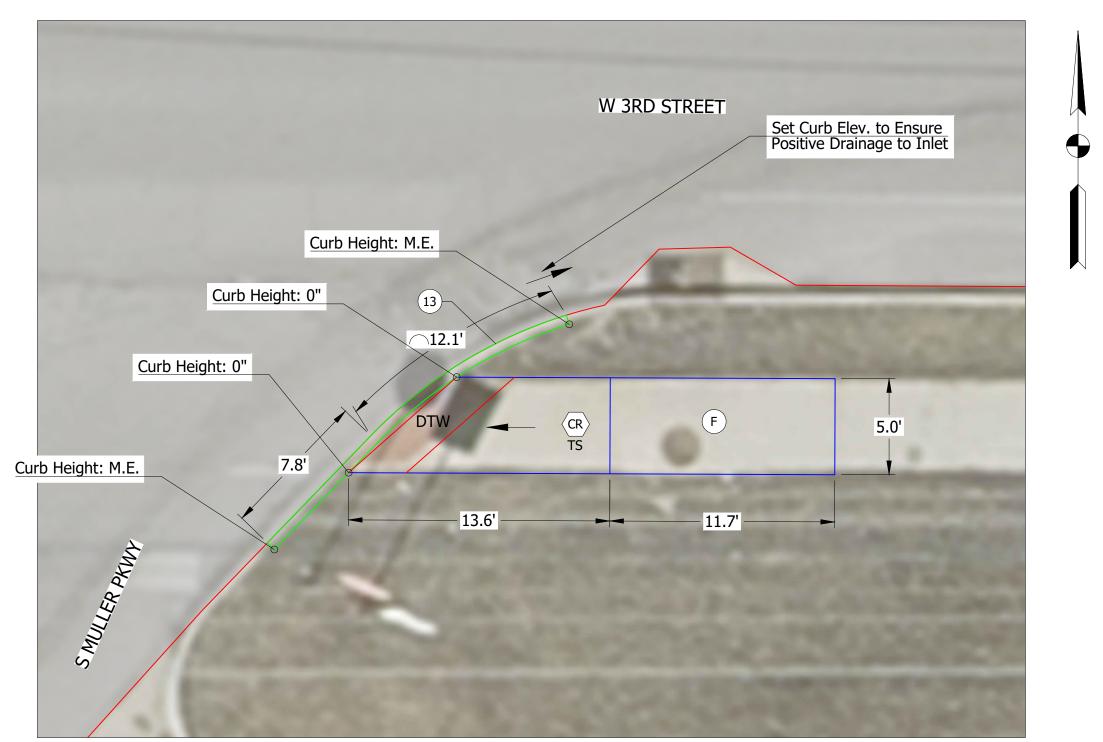
• Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.

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

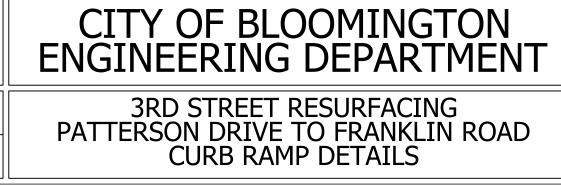
- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
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- coordinate as needed with the appropriate utility. Meters and sign 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              | 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'

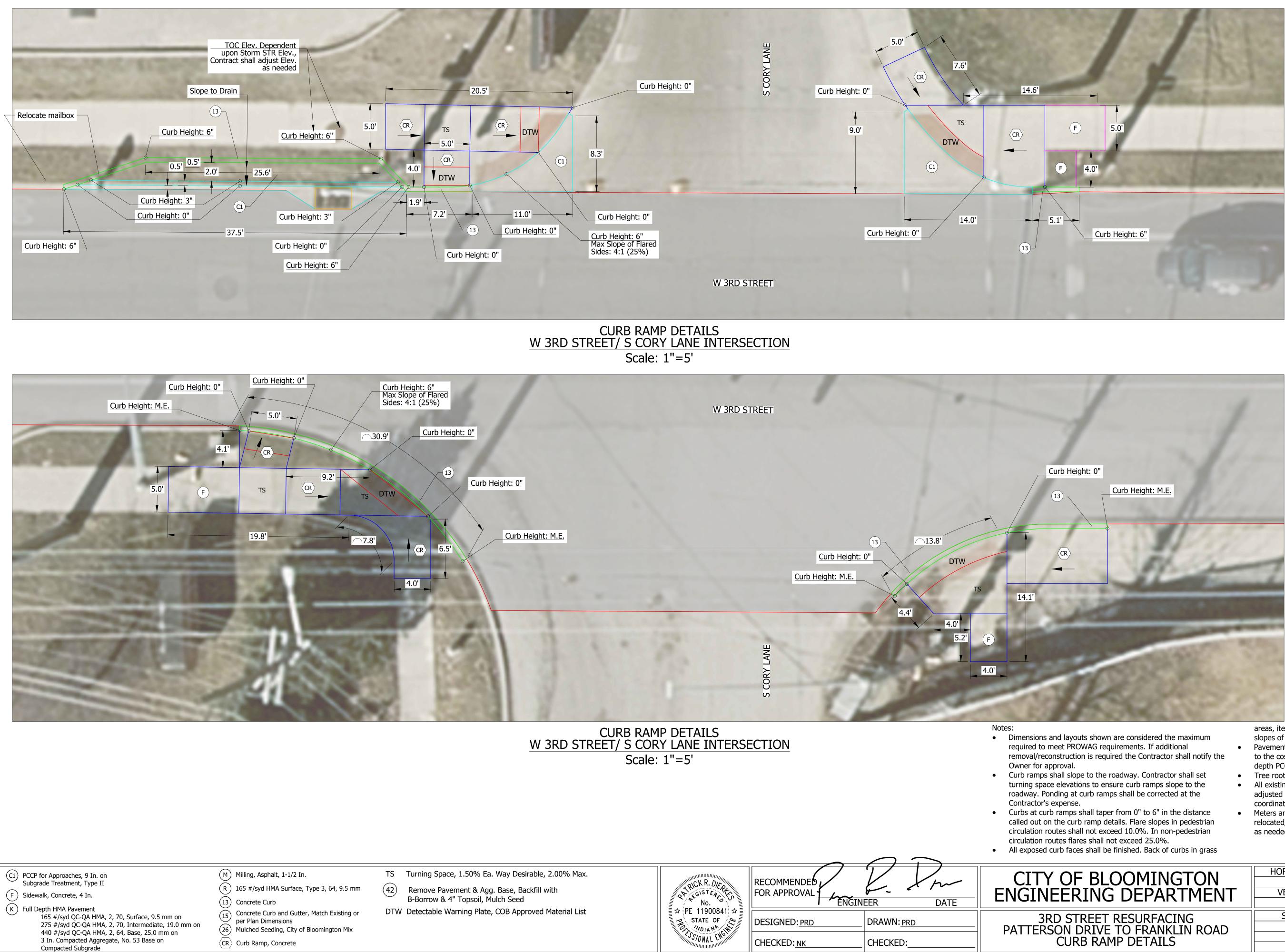
• Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the

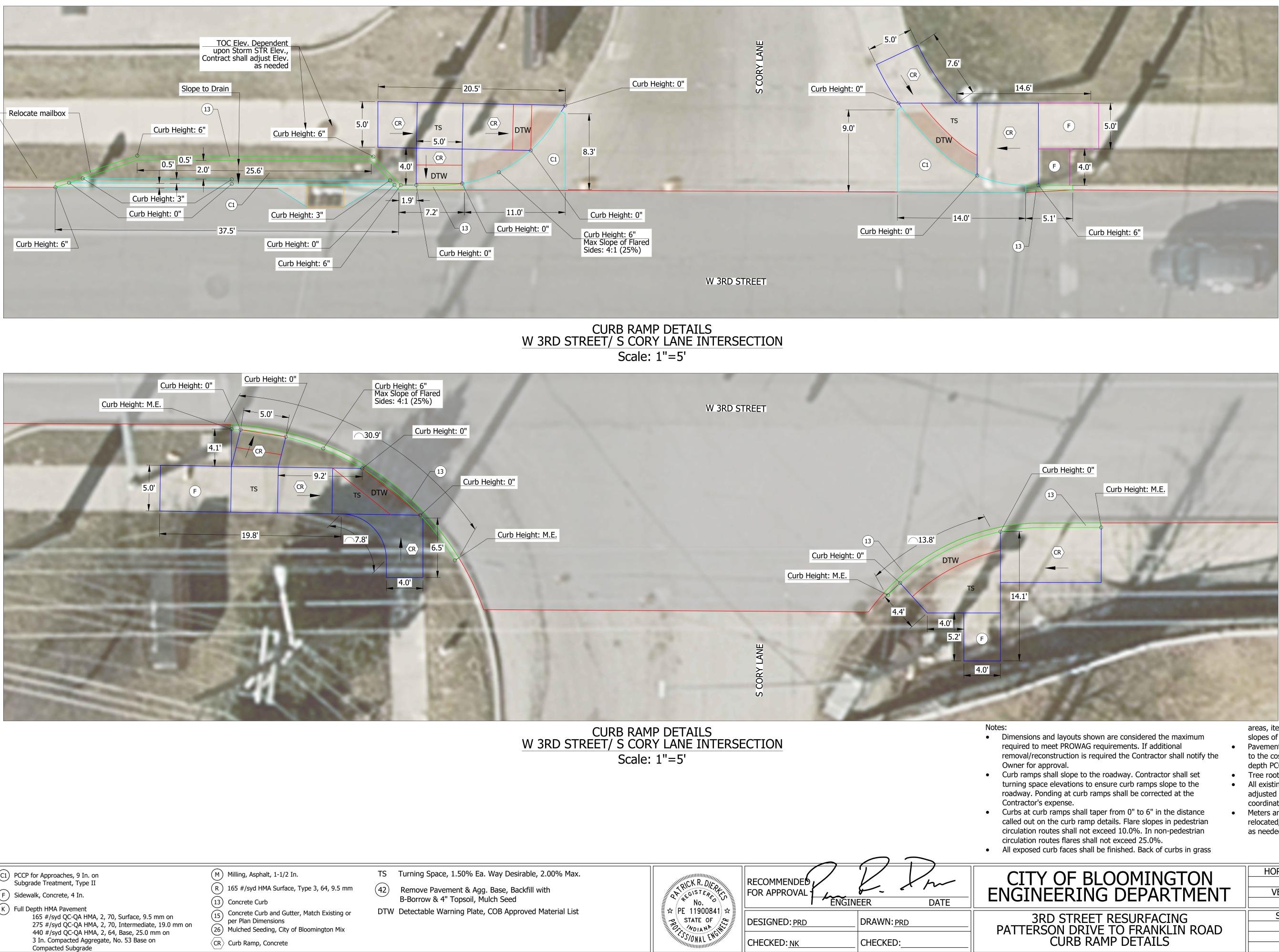
• Curb ramps shall slope to the roadway. Contractor shall set turning space elevations to ensure curb ramps slope to the roadway. Ponding at curb ramps shall be corrected at the

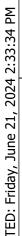
• Curbs at curb ramps shall taper from 0" to 6" in the distance called out on the curb ramp details. Flare slopes in pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%. • All exposed curb faces shall be finished. Back of curbs in grass

- 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              | 10 of 17               |  |
| CONTRACT         | PROJECT                |  |
| N/A              | 3RD STREET RESURFACING |  |
|                  |                        |  |



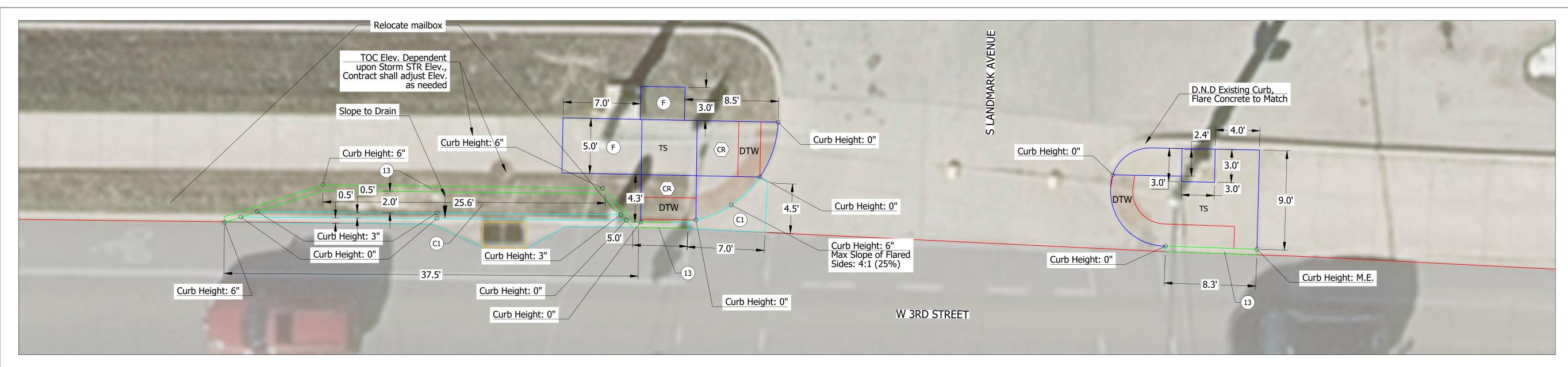


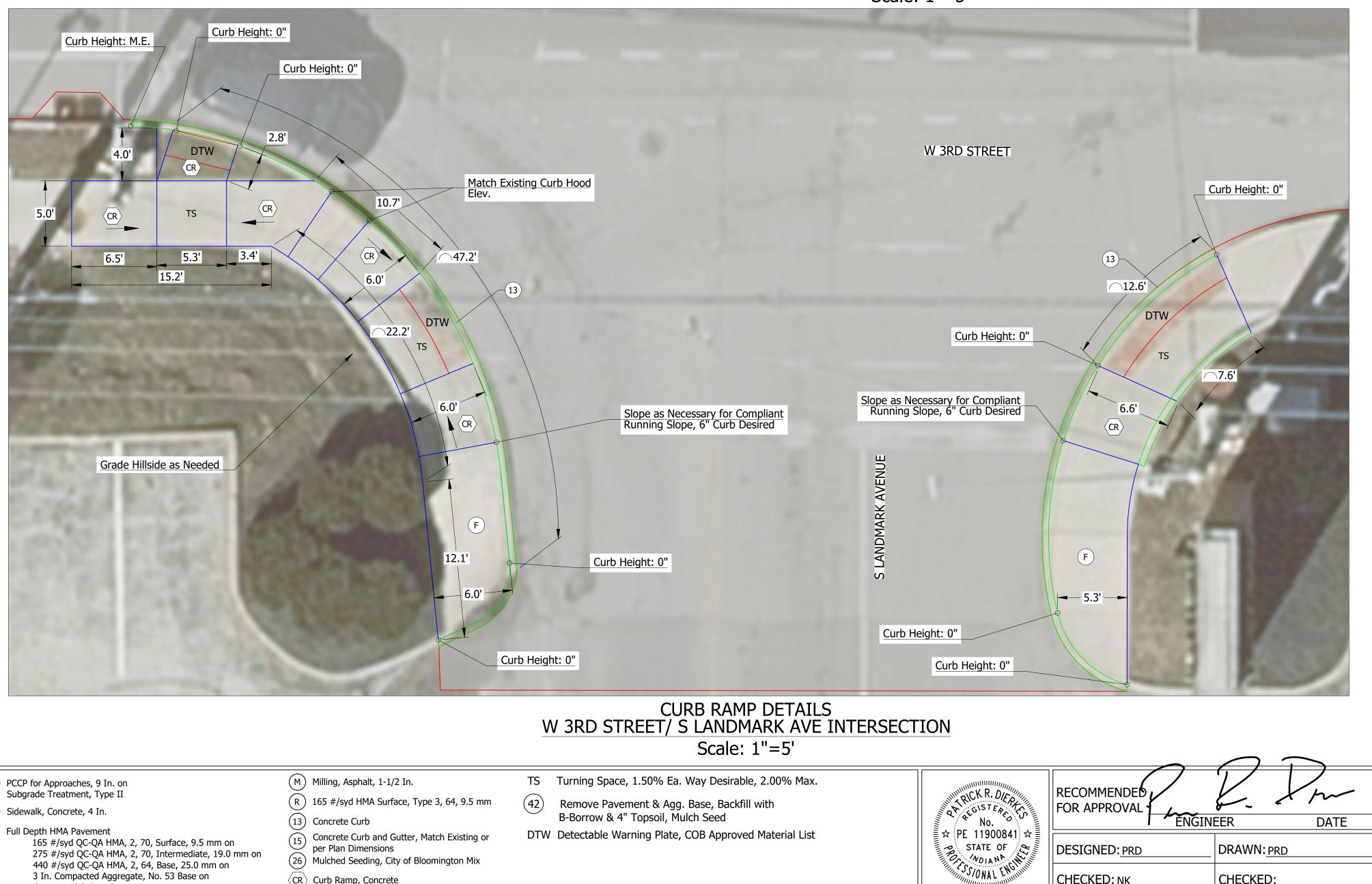


FILE: 3RDST\_RESURFACING\_PLAN\_SHEET\_CURB RAMP\_07.DWG

- 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.
- 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              | 11 of 17               |  |  |  |
| CONTRACT         | PROJECT                |  |  |  |
| N/A              | 3RD STREET RESURFACING |  |  |  |
|                  |                        |  |  |  |





| C1 | PCCP for Approaches, 9 In. on<br>Subgrade Treatment, Type II |
|----|--|
|    | Sidewalk, Concrete, 4 In.                                    |

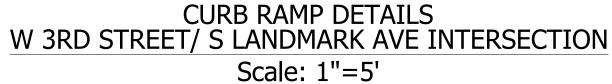
(K) Full Depth HMA Pavement 165 #/syd QC-QA HMA, 2, 70, Surface, 9.5 mm on 275 #/syd QC-QA HMA, 2, 70, Intermediate, 19.0 mm on 440 #/syd QC-QA HMA, 2, 64, Base, 25.0 mm on

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.

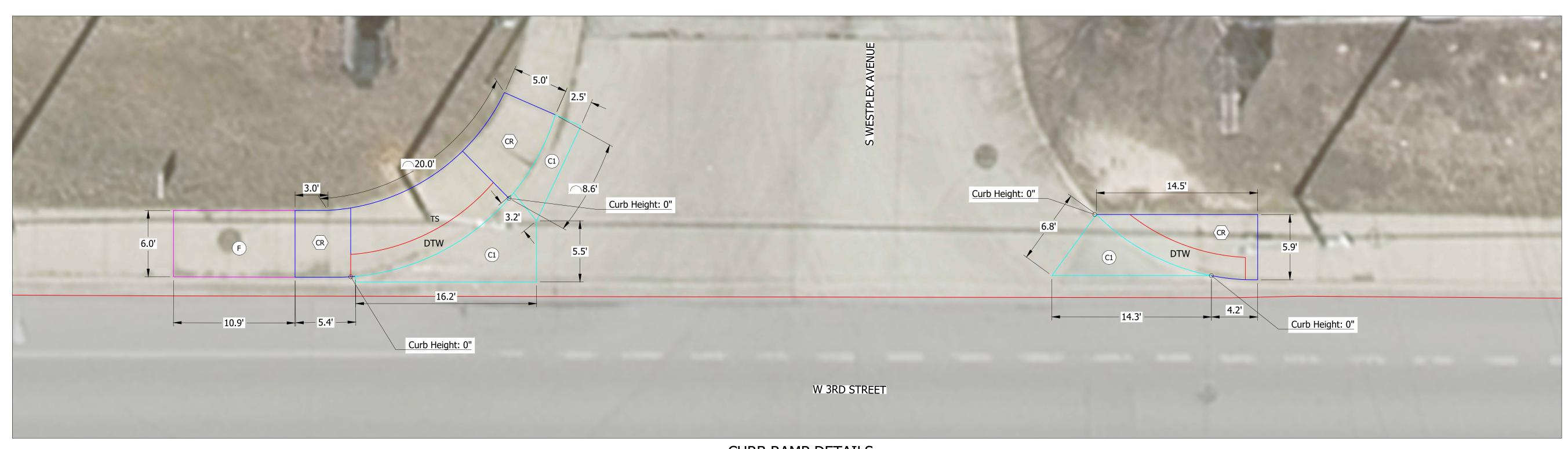
Contractor's expense.

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<br>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'

|                                |               |  |                   | <ul> <li>Notes:</li> <li>Dimensions and layouts shore required to meet PROWAG removal/reconstruction is redowner for approval.</li> <li>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.</li> <li>All exposed curb faces shall</li> </ul> |
|--------------------------------|---------------|--|-------------------|--|
| able, 2.00% Max.<br>kfill with | No.           | RECOMMENDED<br>FOR APPROVAL                | VEER DATE         | CITY OF B<br>ENGINEERIN  |
| oved Material List             | PE 11900841 * | DESIGNED: <u>prd</u><br>CHECKED: <u>NK</u> | DRAWN: <u>PRD</u> | 3RD STREE<br>PATTERSON DRIV<br>CURB R  |

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

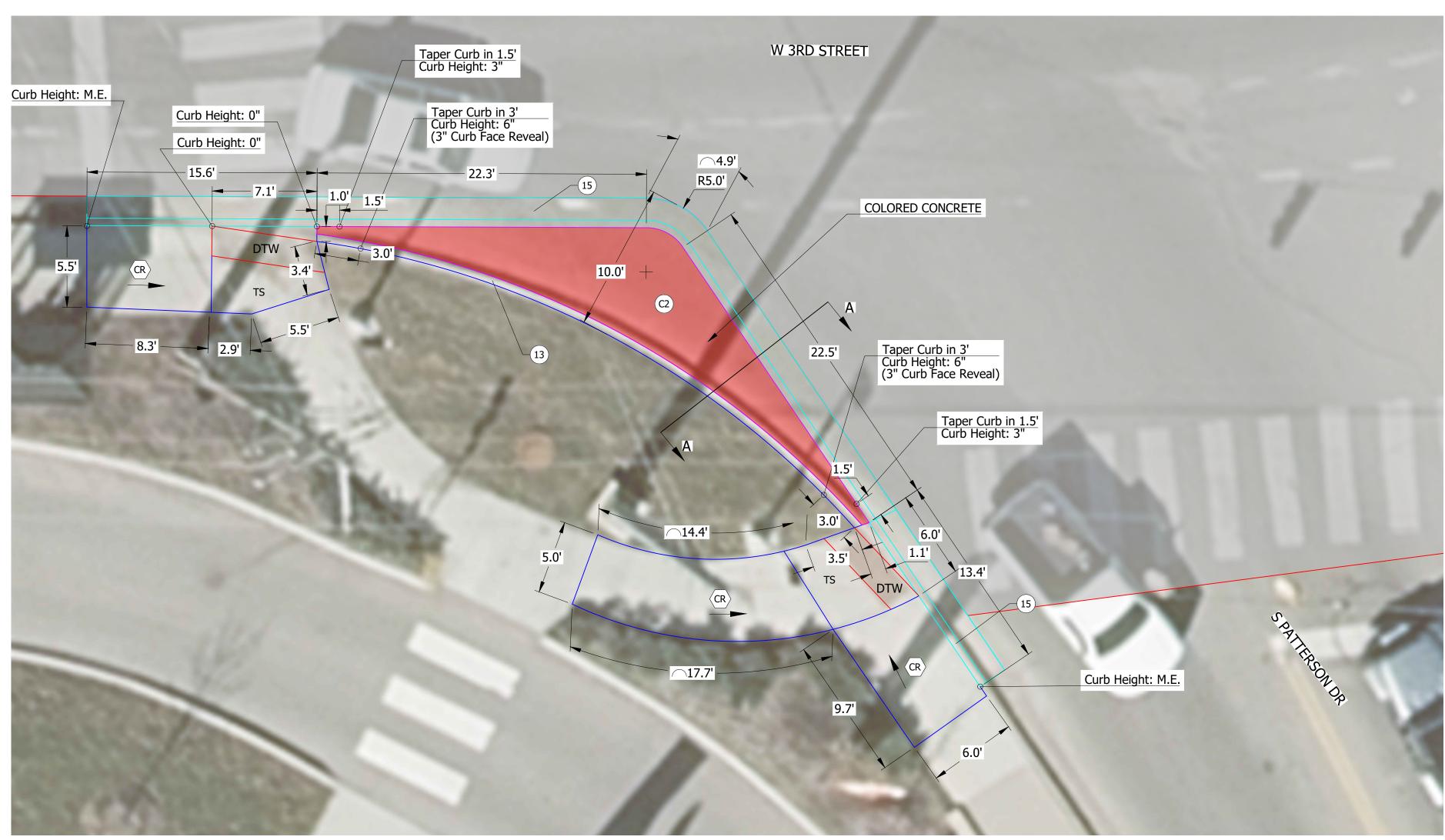
- Pavement patching along curb face shall be considered incidental to the cost of curb construction. All patching required shall be full depth PCCP with 1-1/2" of asphalt surface.
- Tree roots impacted during construction shall be sawcut flush. • All existing valves, manholes, vaults and other facilities 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

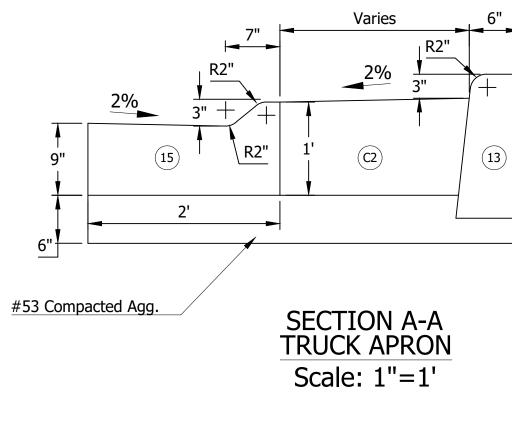
own are considered the maximum requirements. If additional required the Contractor shall notify the

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

|  |   |  |                   | <ul> <li>Notes:</li> <li>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.</li> <li>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.</li> <li>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%.</li> <li>All exposed curb faces shall be finished. Back of curbs in get</li> </ul> |
|--|---|--|-------------------|---|
| sirable, 2.00% Max.<br>ackfill with<br>I | Registered Strange  | RECOMMENDED<br>FOR APPROVAL                | VEER DATE         | CITY OF BLOOMINGTO<br>ENGINEERING DEPARTM   |
| proved Material List                     | PE 11900841 ☆<br>STATE OF<br>NDIANA<br>NDIANA<br>SS/ONAL ENGINIUM | DESIGNED: <u>prd</u><br>CHECKED: <u>nk</u> | DRAWN: <u>prd</u> | 3RD STREET RESURFACING<br>PATTERSON DRIVE TO FRANKLIN R<br>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

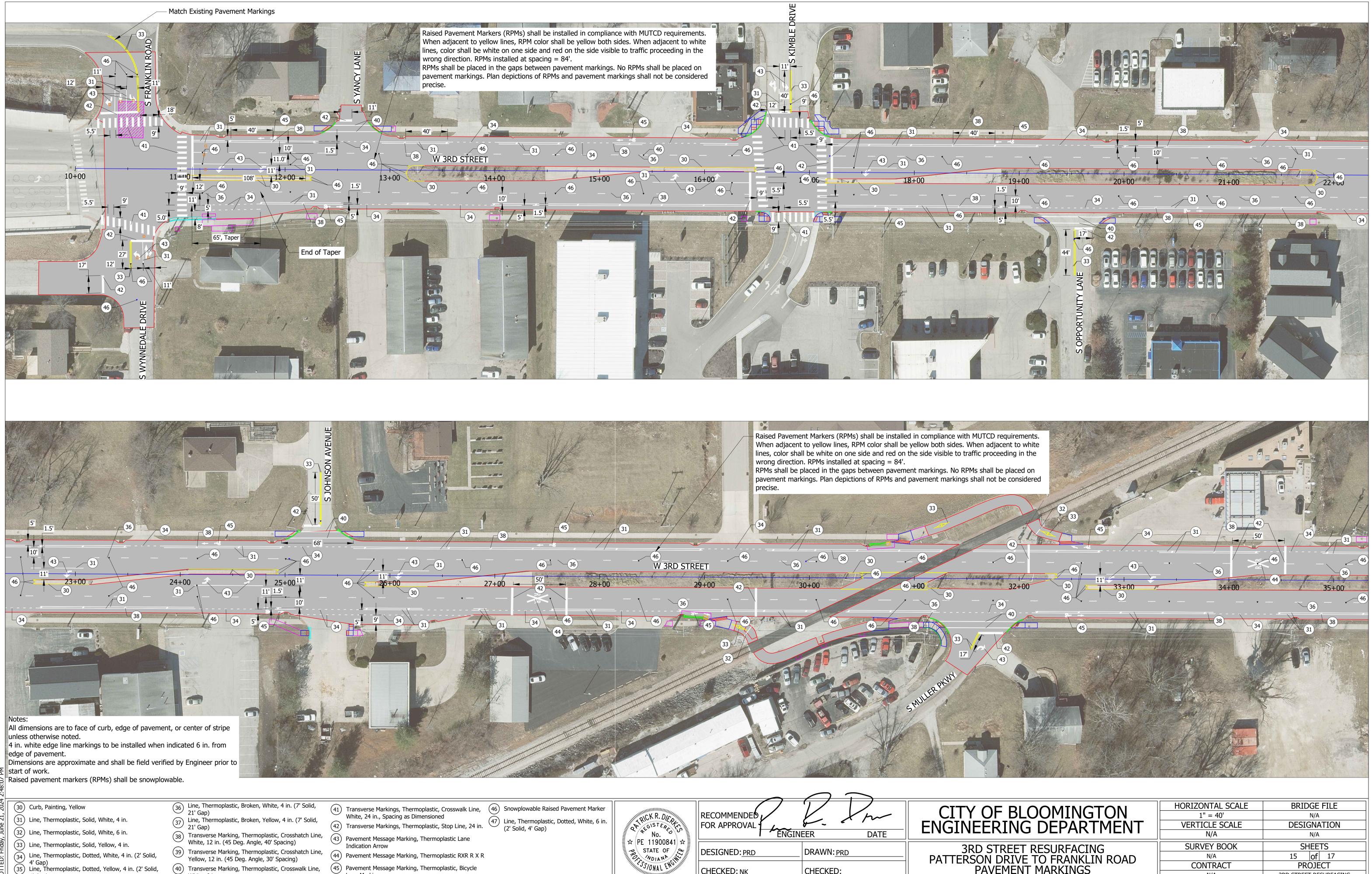
all taper from 0" to 6" in the distance amp details. Flare slopes in pedestrian not exceed 10.0%. In non-pedestrian shall not exceed 25.0%.

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

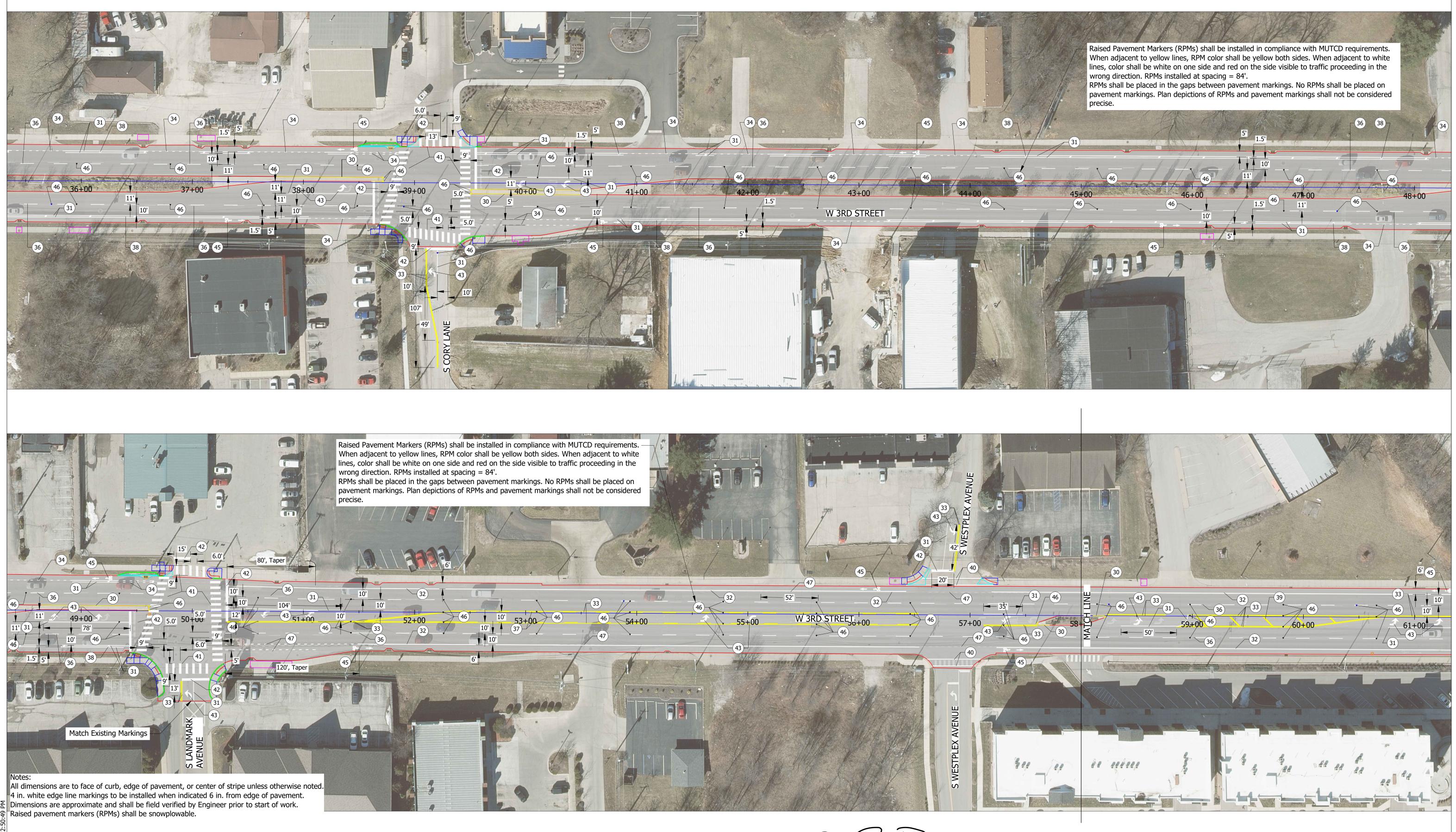
4' Gap)

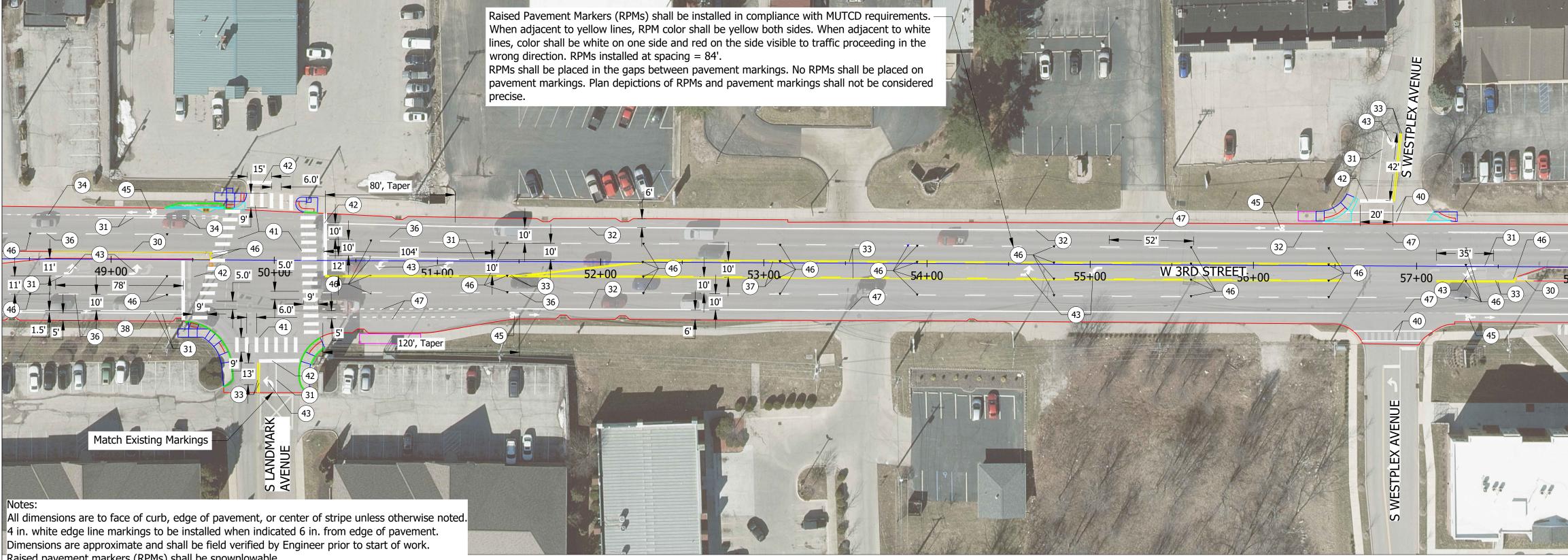
White, 6 in.

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

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

| BLOOMINGTON          | HORIZONTAL SCALE<br>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

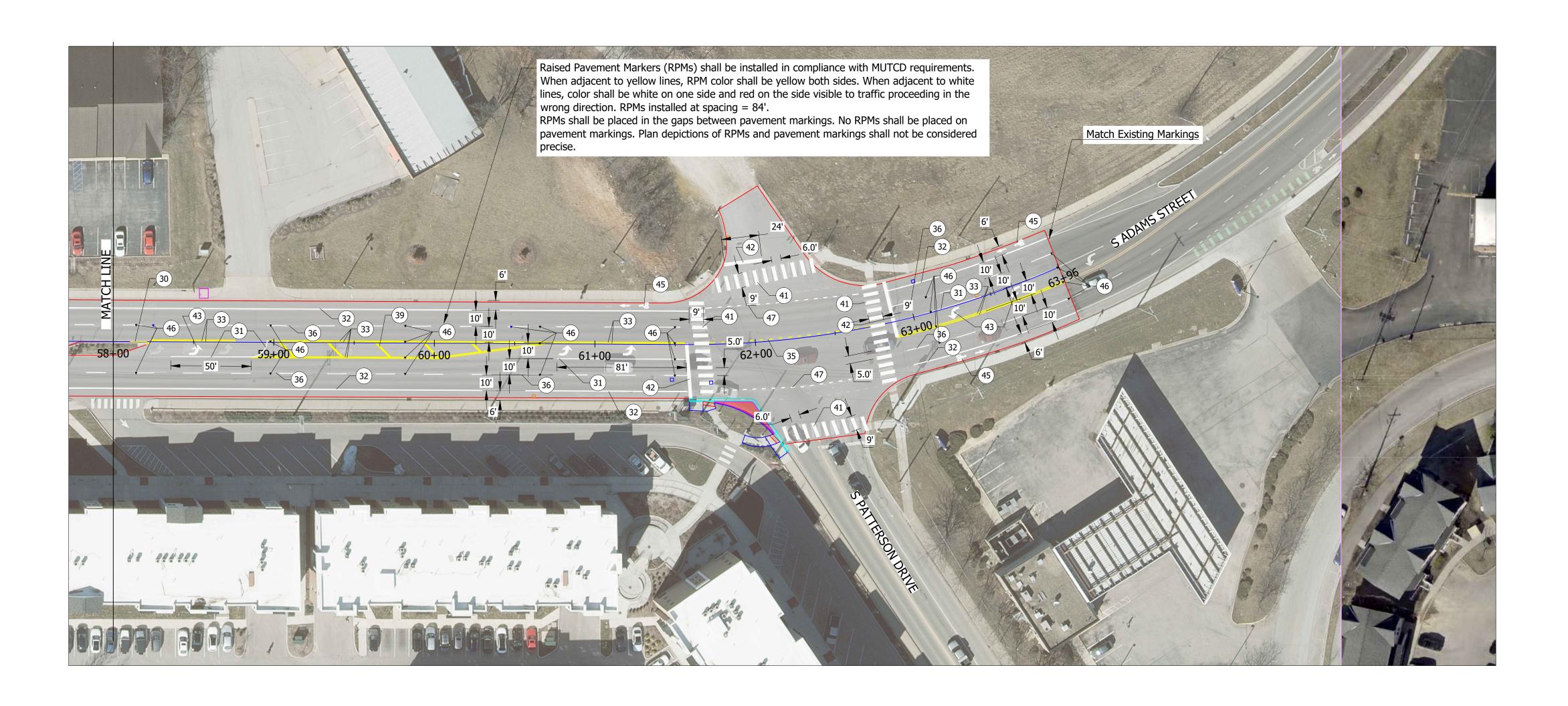
(36) Line, Thermoplastic, Broken, White, 4 in. (7' Solid, 21' Gap)

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

| ET RESURFACING<br>VE TO FRANKLIN ROADSURVEY BOOKSHEETSN/A16of17CONTRACTPROJECTN/A3RD STREET RESURFACING | BLOOMINGTON<br>NG DEPARTMENT | HORIZONTAL SCALE<br>1" = 40'<br>VERTICLE SCALE<br>N/A | BRIDGE FILE<br>N/A<br>DESIGNATION<br>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,<br/>White, 6 in.(45)Pavement Message Marking, Thermoplastic, Bicycle<br/>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)

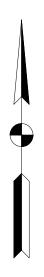
   Angle
   Angle

   Angle
   Angle
   </
- Indication Arrow 

   (39)
   Transverse Marking, Thermoplastic, Crosshatch Line,<br/>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

|   |                                       |                             | $\frown$   |                         |
|---|---------------------------------------|-----------------------------|------------|-------------------------|
| <ul> <li>46 Snowplowable Raised Pavement Marker</li> <li>47 Line, Thermoplastic, Dotted, White, 6 in.<br/>(2' Solid, 4' Gap)</li> </ul> | No.                                   | RECOMMENDED<br>FOR APPROVAL | EER DATE   | CITY OF E<br>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 |