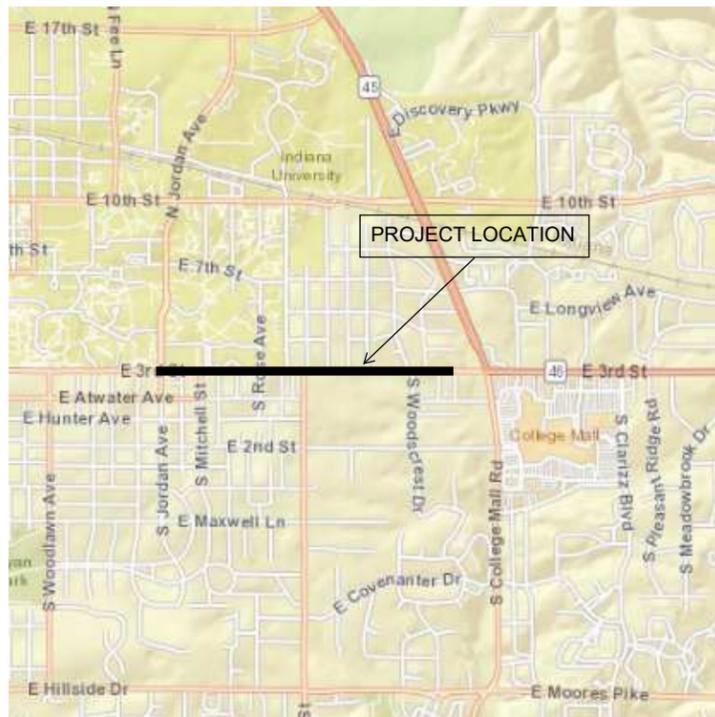




# Third St from Overhill Dr to Mitchell St and Third St from Mitchell St to Eagleson Ave RESURFACING



NORTH  
↑  
N.T.S.

CITY OF BLOOMINGTON  
MONROE COUNTY  
INDIANA

City of Bloomington Standard Drawings found at [Bloomington.in.gov/engineering/resources](http://Bloomington.in.gov/engineering/resources) to be used with these plans.

Indiana Department of Transportation Standard Specifications dated 2022 and current supplements thereto to be used with these plans.

**GENERAL NOTES:**

Removal of existing improvements as needed for construction of proposed improvements is not detailed. Milling, curb removal, curb and gutter removal, and sidewalk removal shall be measured and paid per their unit price. Any other necessary removal shall be included within the cost of Clearing Right of Way.

Pavement Patch, item "P", shall follow Asphalt Surface Street Cut Repair detail. Flowable fill is not required when there is no trench. Asphalt sealer at joints is not applicable if area is included within surface overlay. "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. Disturbed landscaping shall be returned to like condition.

Sidewalks and Curb Ramps shall comply with PROWAG and INDOT standard details. Detectable Warning Surfaces shall comply with the City's approved material list.

Contractor shall match existing elevations of all valves and manholes. If required, Contractor shall raise valves and manholes to grade and reseal in compliance with CBU Construction and Specifications Manual.

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

All raised pavement markers (RPMs) shall be snowplowable. Blue RPMs shall be installed as shown on plans and aligned with existing fire hydrants. Hydrant locations not shown on plans.

All longline pavement markings are dimensioned to face of curb (FOC), 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 two-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.

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

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



RECOMMENDED FOR APPROVAL *Neil H. Kopper* 5/8/2023  
ENGINEER DATE

DESIGNED: NHK DRAWN: NHK

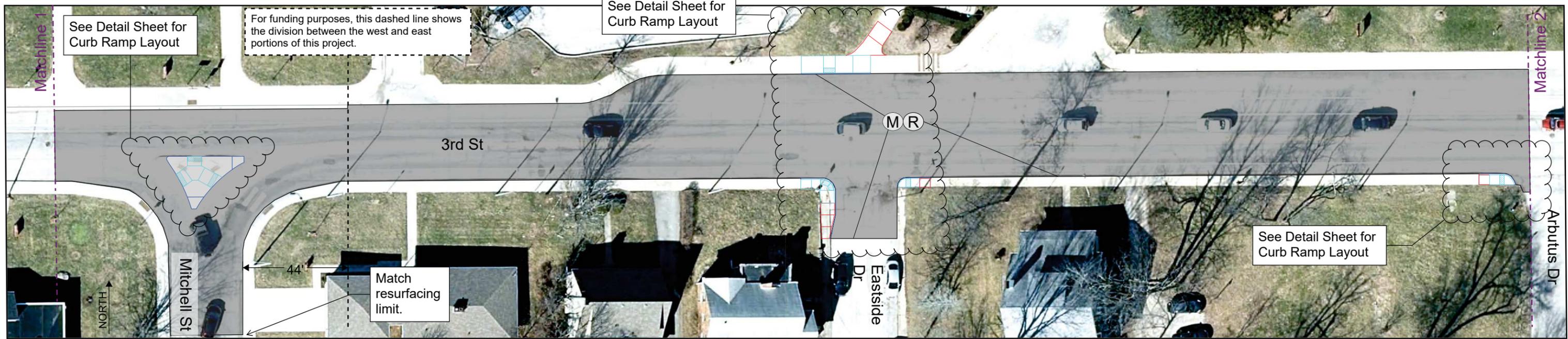
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**CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT**

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING**

HORIZONTAL SCALE:  
N/A

SHEET  
01 of 18



- (M) Milling, Asphalt, 1-1/2 in.
- (R) 165#/syd HMA Surface, Type 3, 64, 9.5mm
- (P) Patch, 165 #/syd HMA Surface, on PCCP, 9 in.



RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

DESIGNED: NHK DRAWN: NHK

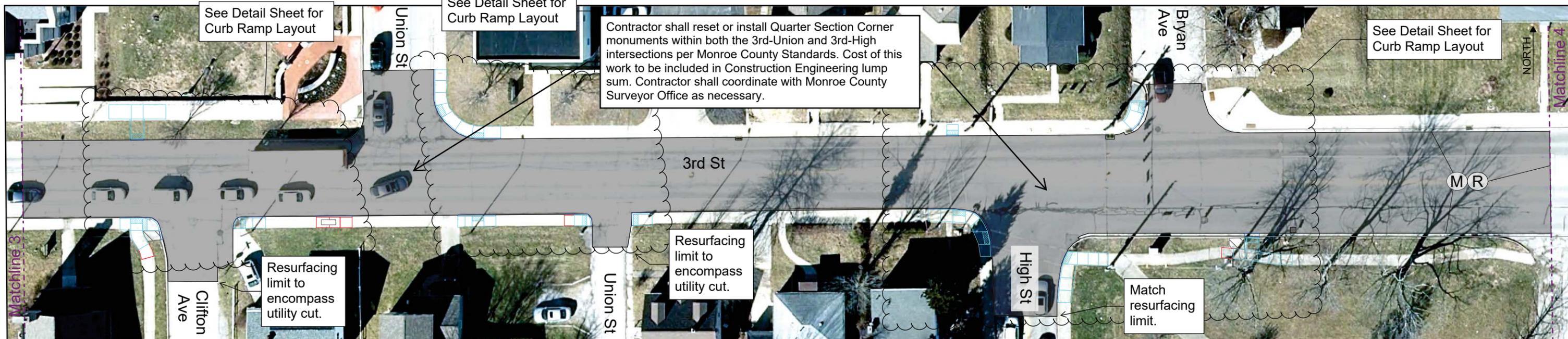
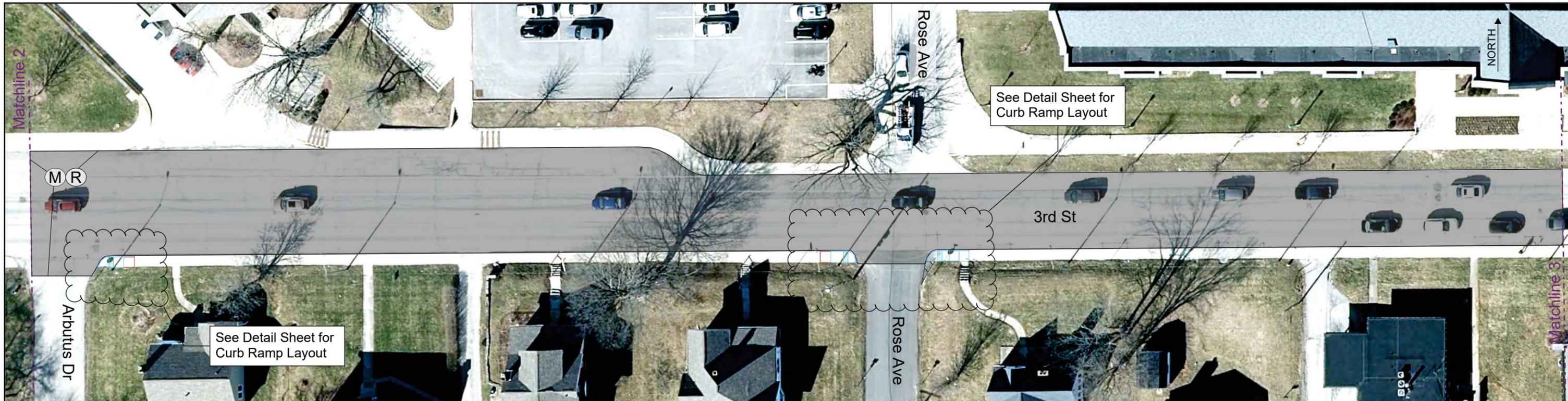
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CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING**

HORIZONTAL SCALE:  
1" = 40'

SHEET  
02 of 18



- (M) Milling, Asphalt, 1-1/2 in.
- (R) 165#/syd HMA Surface, Type 3, 64, 9.5mm
- (P) Patch, 165 #/syd HMA Surface, on PCCP, 9 in.



RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

DESIGNED: NHK DRAWN: NHK

CHECKED: PRD CHECKED: PRD

CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING**

HORIZONTAL SCALE:  
1" = 40'

SHEET  
03 of 18



- (M) Milling, Asphalt, 1-1/2 in.
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- (P) Patch, 165 #/syd HMA Surface, on PCCP, 9 in.



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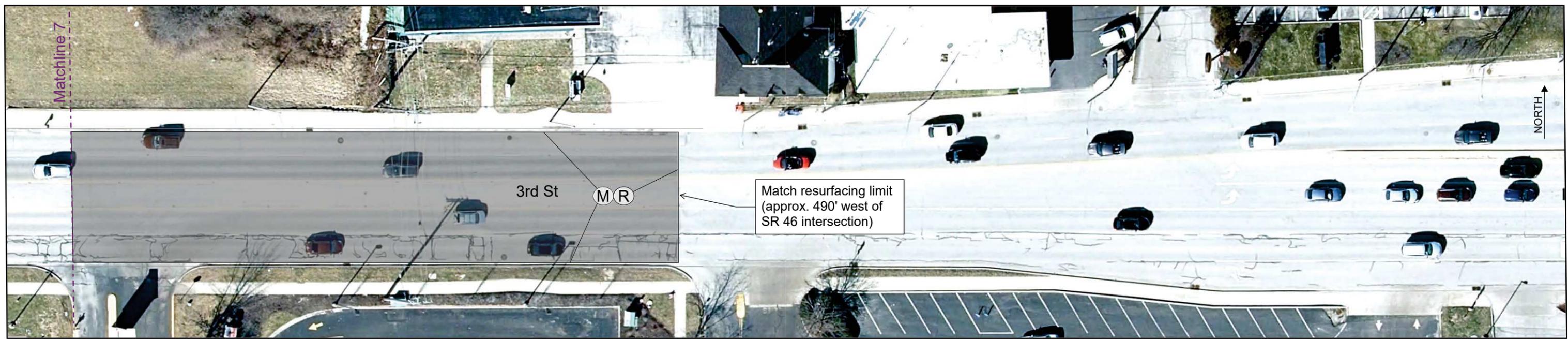
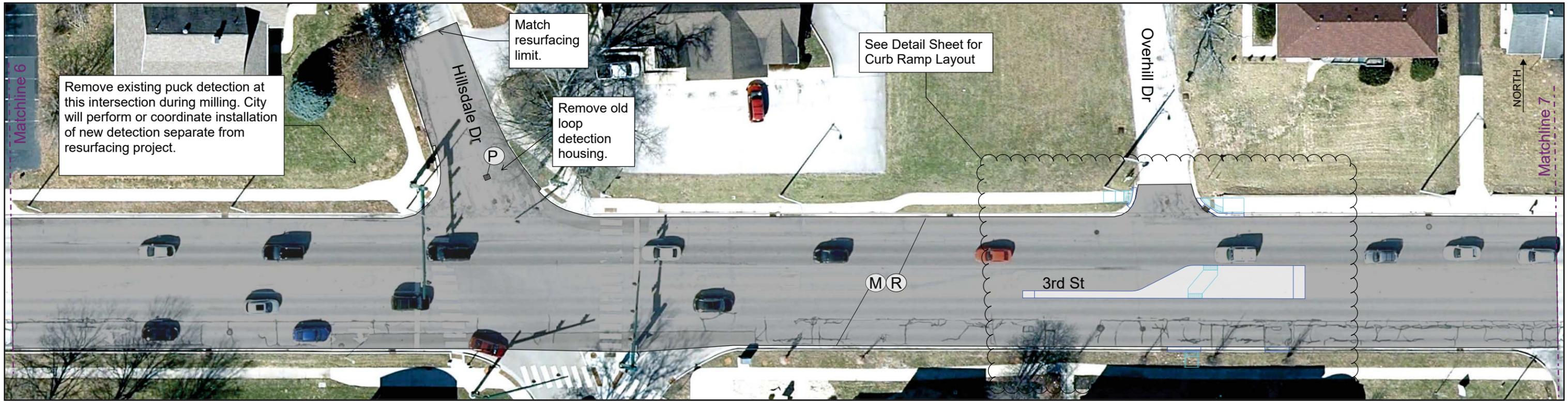
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CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING**

HORIZONTAL SCALE:  
1" = 40'

SHEET  
04 of 18



- (M) Milling, Asphalt, 1-1/2 in.
- (R) 165#/syd HMA Surface, Type 3, 64, 9.5mm
- (P) Patch, 165 #/syd HMA Surface, on PCCP, 9 in.



RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

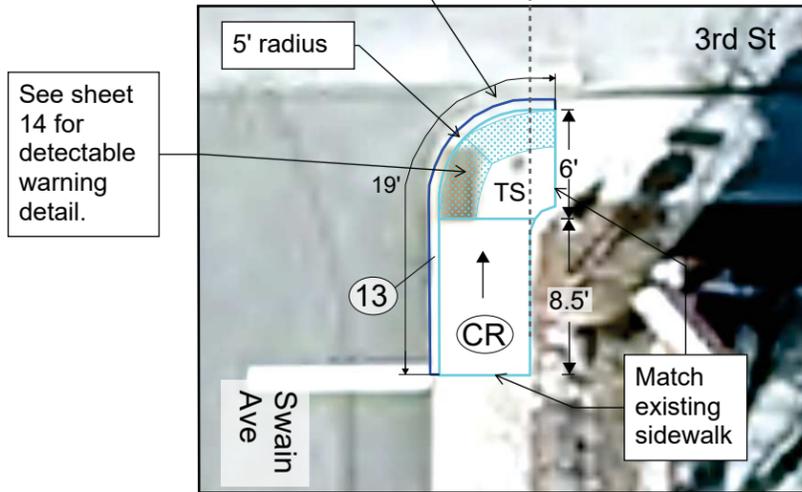
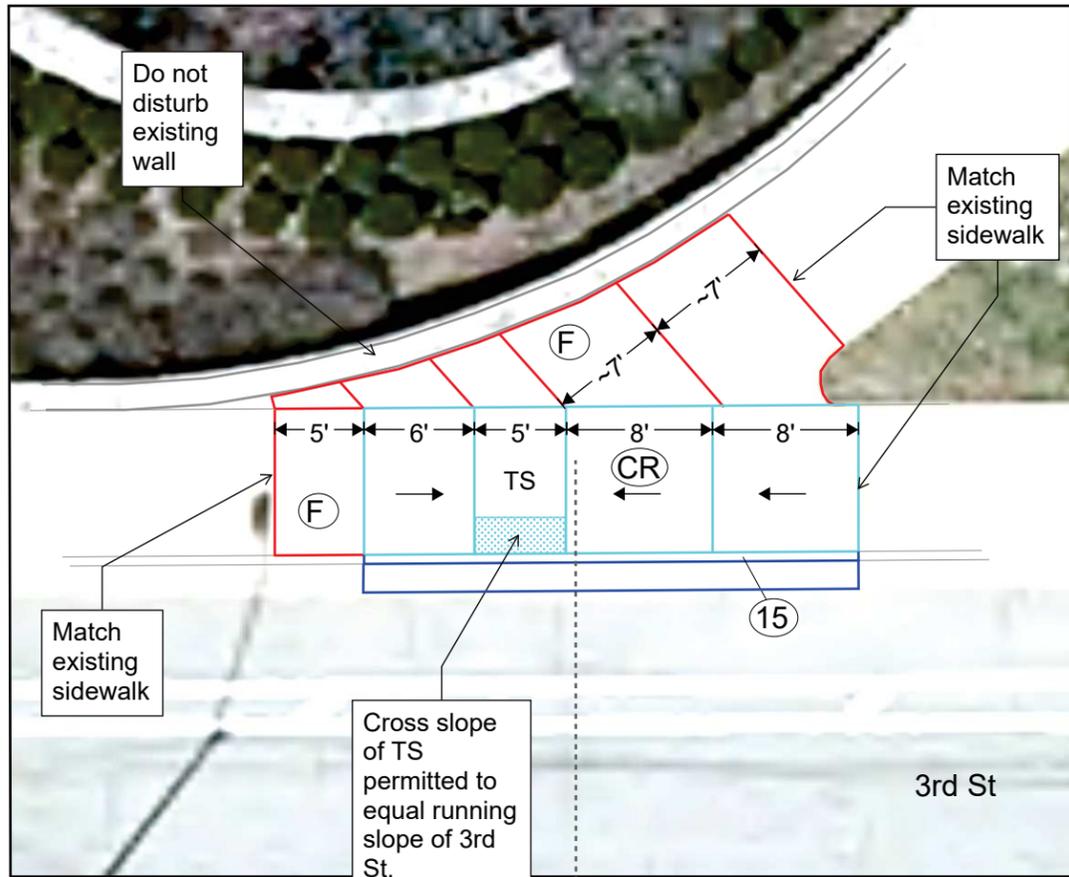
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CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT

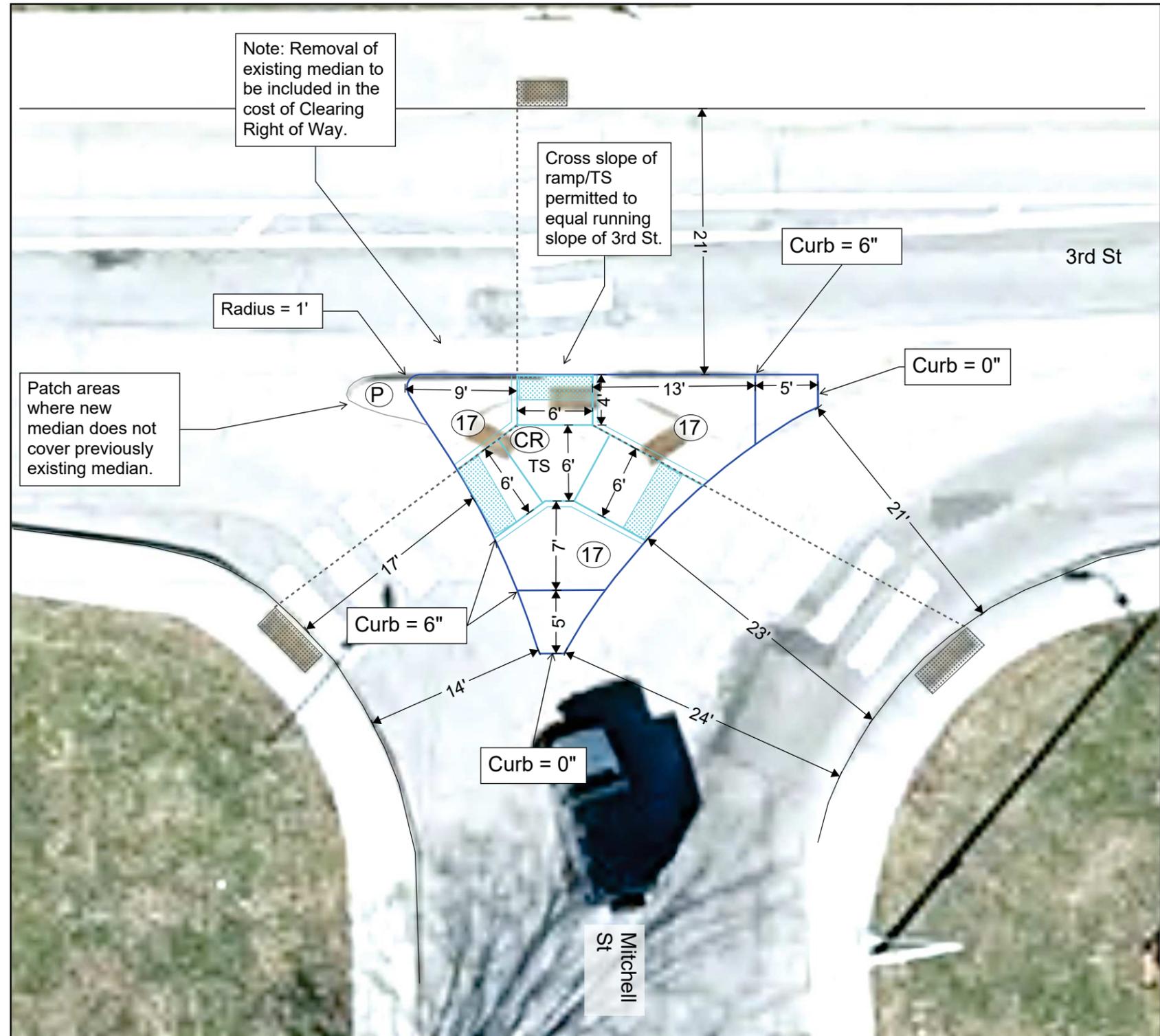
**EAST 3RD STREET  
 (EAGLESON TO OVERHILL)  
 RESURFACING**

HORIZONTAL SCALE:  
 1" = 40'

SHEET  
 05 of 18



Dashed gray lines shown for alignment purposes only.



- (F) Sidewalk, Concrete, 4 in., on #53 Agg., 4 in.
- (CR) Curb Ramp, Concrete
- (13) Concrete Curb
- (15) Concrete Curb and Gutter, Modified
- (17) Center Curb, D Concrete Modified
- (P) Patch, 165 #/syd HMA Surface, on PCCP, 9 in.
- TS Turning Space, 1.50% Slope Each Way Desirable, 2.00% Max.



RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

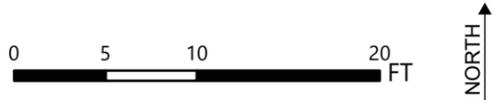
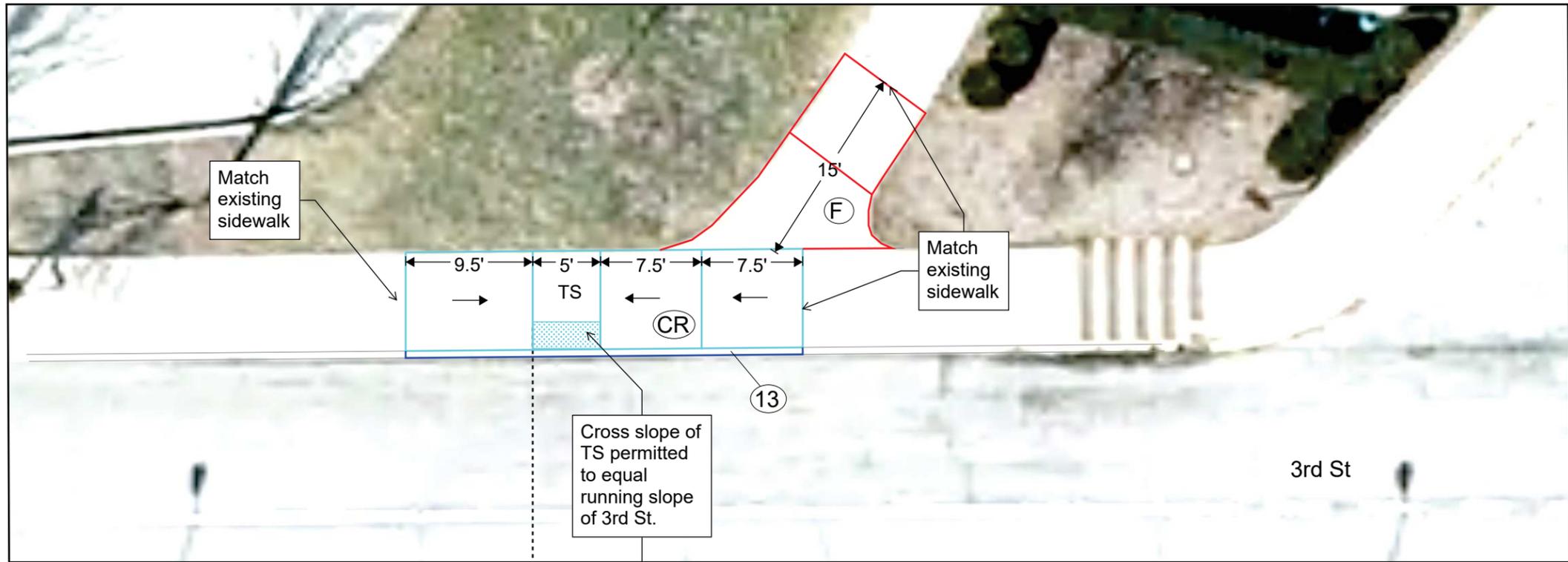
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CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

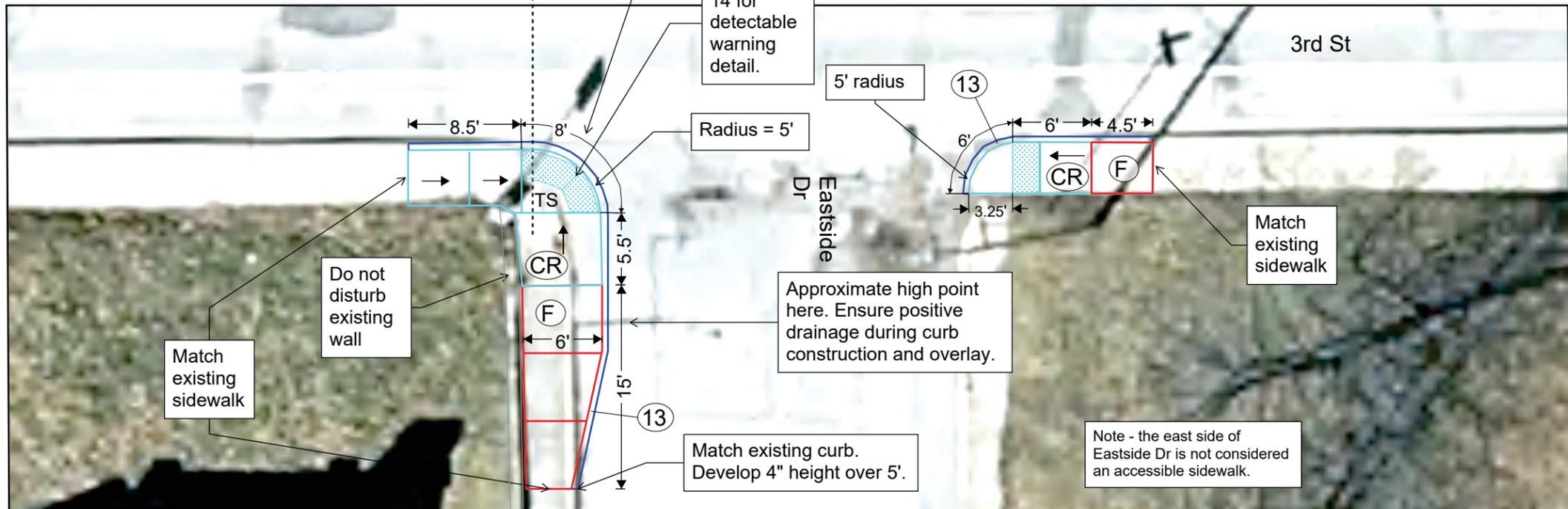
**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING  
CURB RAMP DETAILS**

HORIZONTAL SCALE:  
1" = 10'

SHEET  
06 of 18



Dashed gray lines shown for alignment purposes only.



- (F) Sidewalk, Concrete, 4 in., on #53 Agg., 4 in.
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- (17) Center Curb, D Concrete Modified
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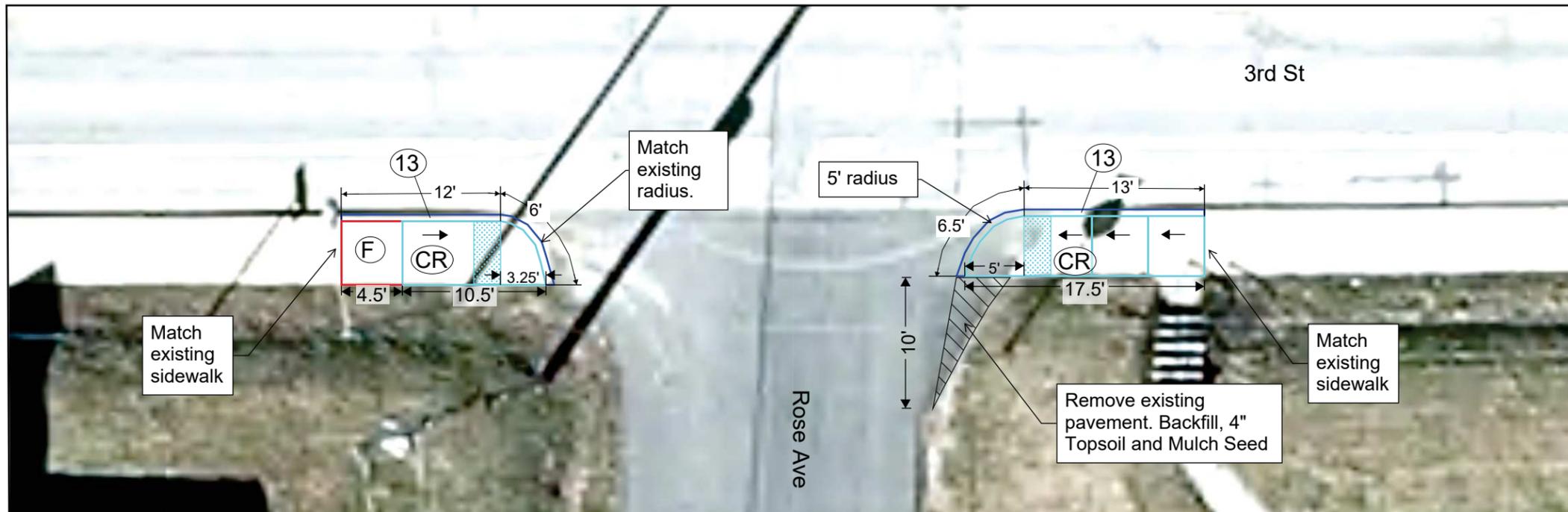
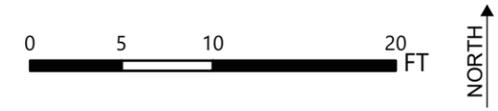
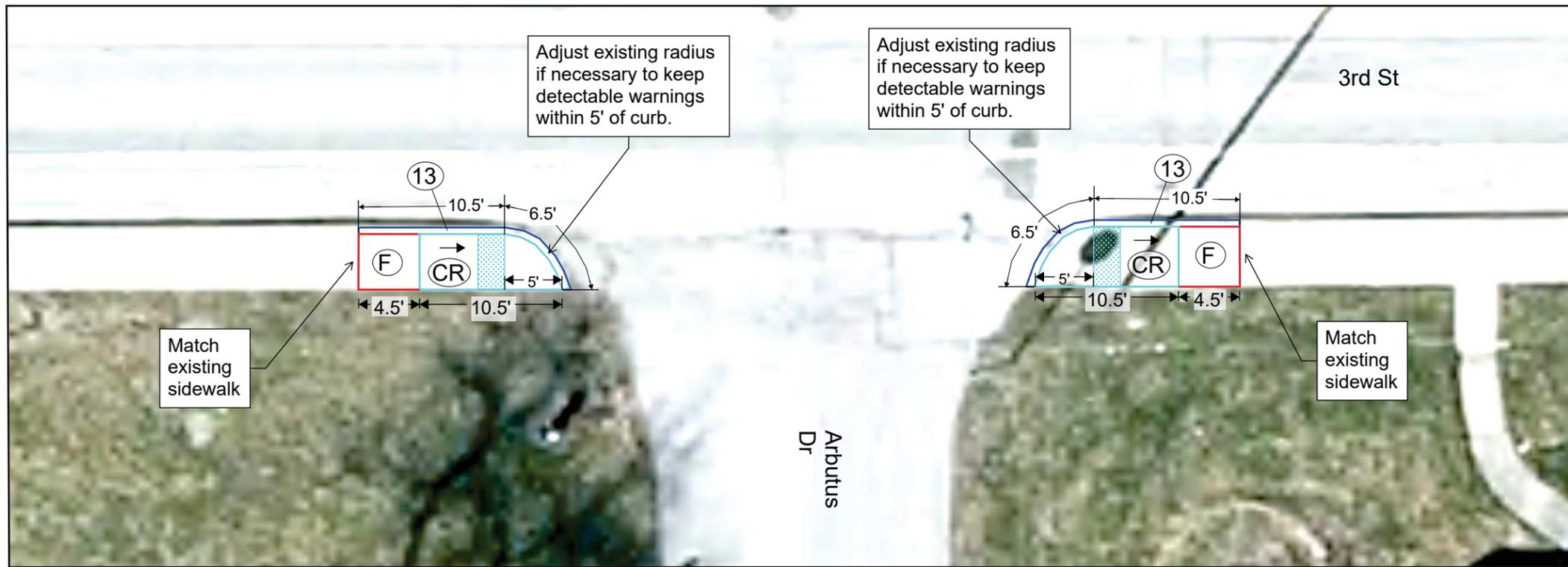
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 CHECKED: PRD CHECKED: PRD

CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT

HORIZONTAL SCALE:  
 1" = 10'

**EAST 3RD STREET  
 (EAGLESON TO OVERHILL)  
 RESURFACING  
 CURB RAMP DETAILS**

SHEET  
 07 of 18



- (F) Sidewalk, Concrete, 4 in., on #53 Agg., 4 in.
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 ENGINEER DATE

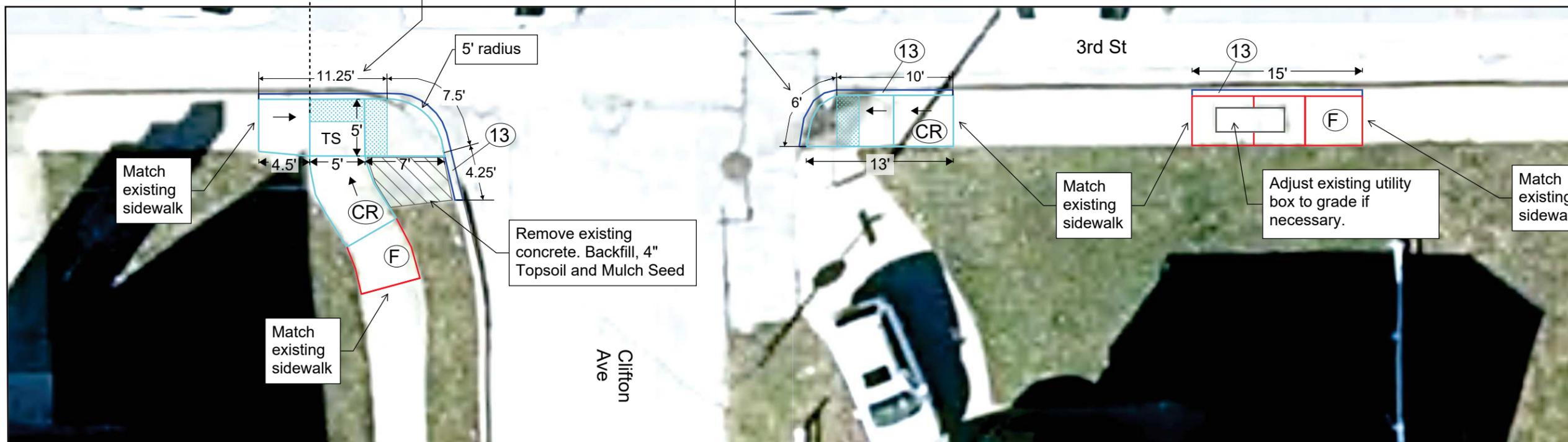
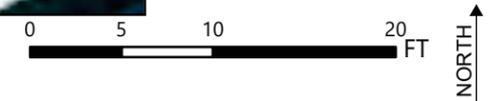
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CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT

**EAST 3RD STREET  
 (EAGLESON TO OVERHILL)  
 RESURFACING  
 CURB RAMP DETAILS**

HORIZONTAL SCALE:  
 1" = 10'

SHEET 08 of 18



Dashed gray lines shown for alignment purposes only.

- (F) Sidewalk, Concrete, 4 in., on #53 Agg., 4 in.
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RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

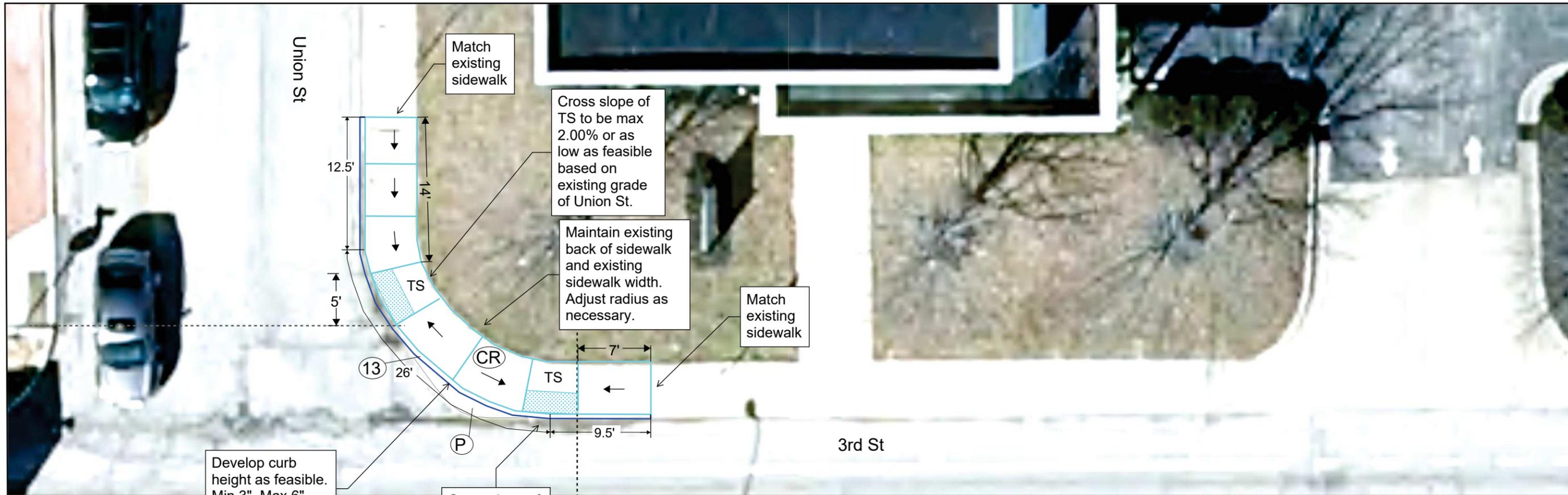
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CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING  
CURB RAMP DETAILS**

HORIZONTAL SCALE:  
1" = 10'

SHEET  
09 of 18



Cross slope of TS permitted to equal running slope of 3rd St.

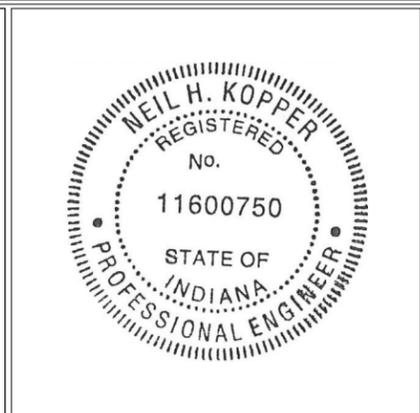
Dashed gray lines shown for alignment purposes only.

0 5 10 20 FT

NORTH ↑



- (F) Sidewalk, Concrete, 4 in., on #53 Agg., 4 in.
- (CR) Curb Ramp, Concrete
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ENGINEER DATE

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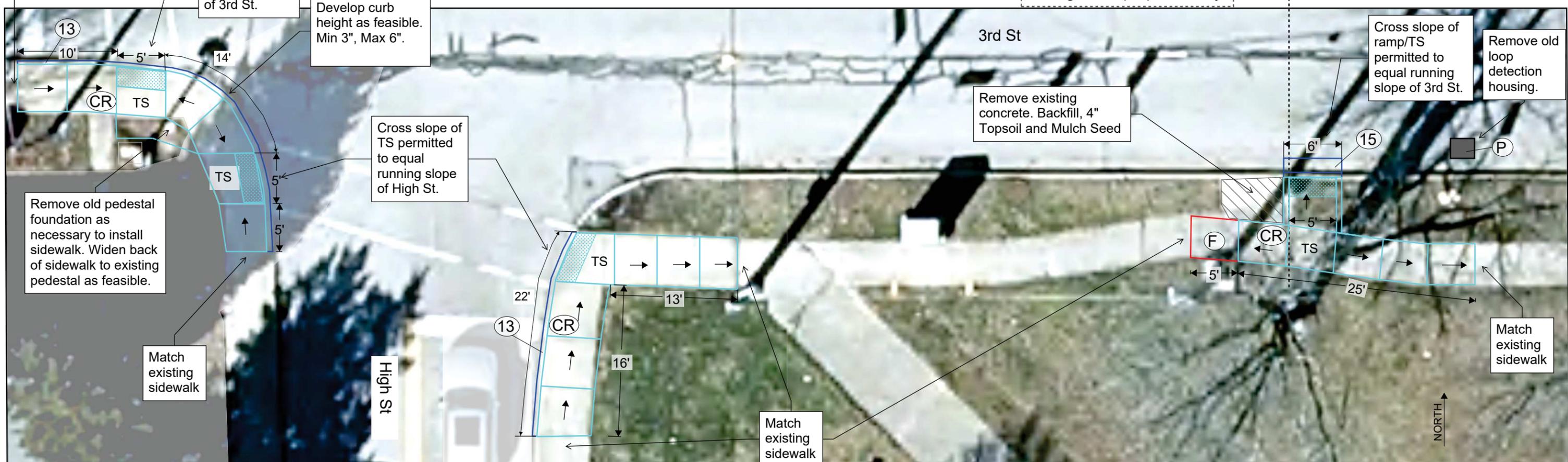
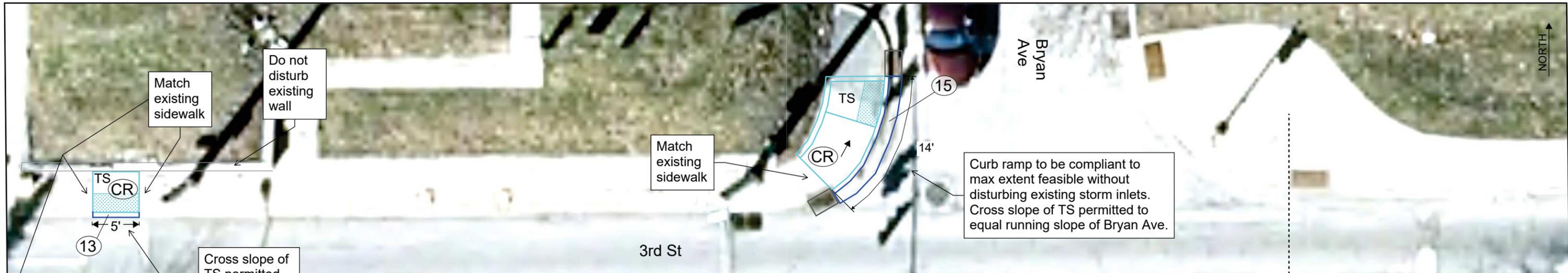
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CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

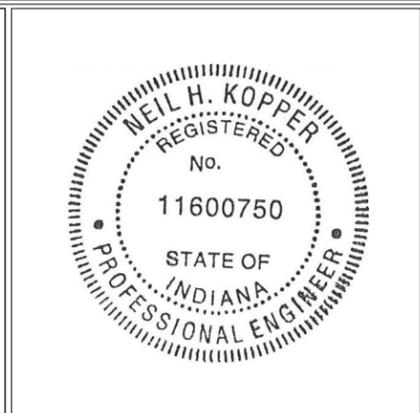
**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING  
CURB RAMP DETAILS**

HORIZONTAL SCALE:  
1" = 10'

SHEET  
10 of 18



- (F) Sidewalk, Concrete, 4 in., on #53 Agg., 4 in.
- (CR) Curb Ramp, Concrete
- (13) Concrete Curb
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- (17) Center Curb, D Concrete Modified
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RECOMMENDED FOR APPROVAL *Neil H. Kopper* 5/8/2023  
 ENGINEER DATE

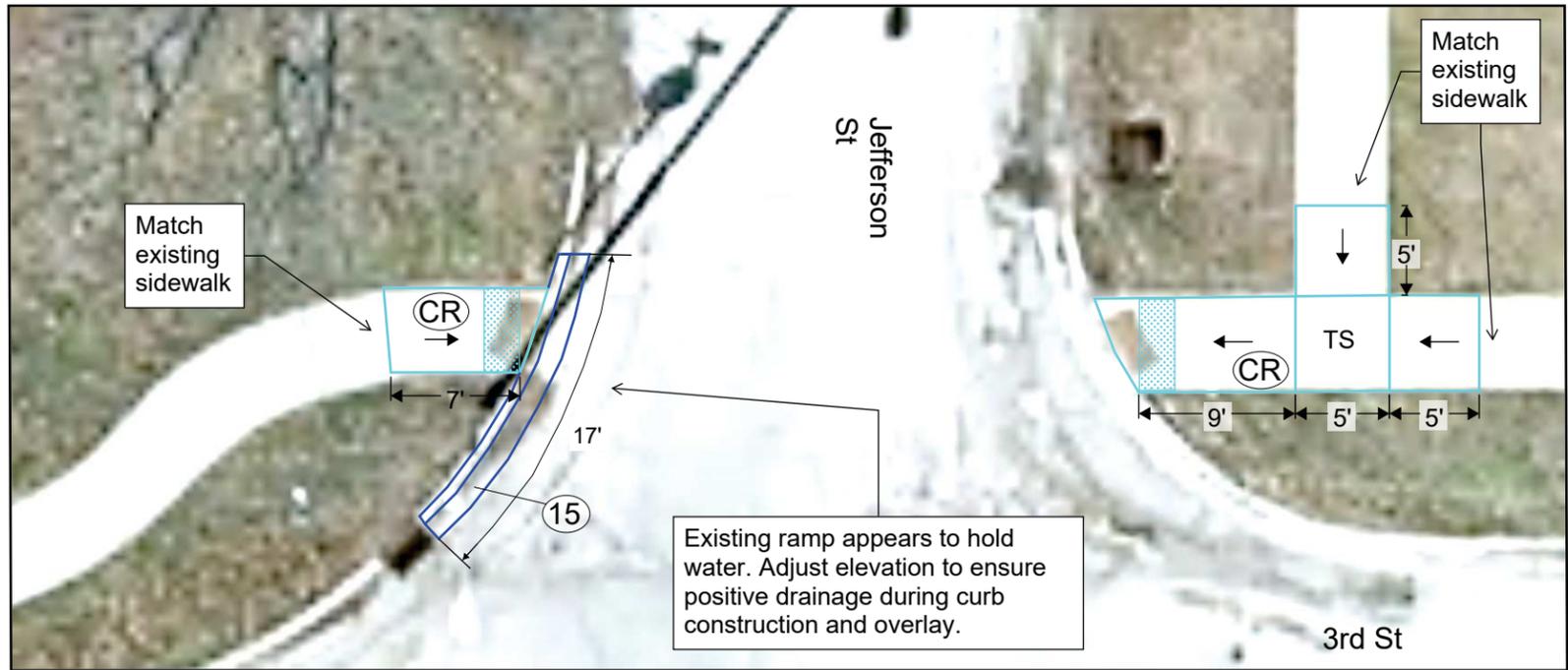
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CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT

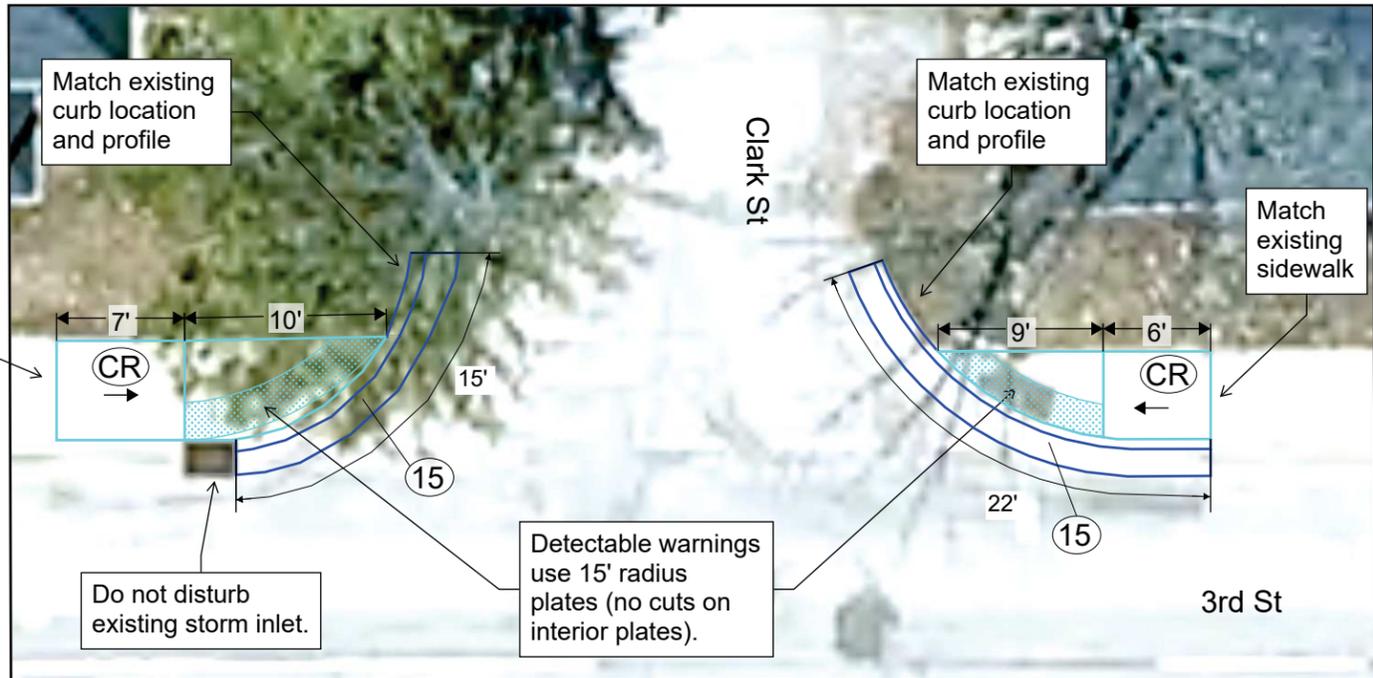
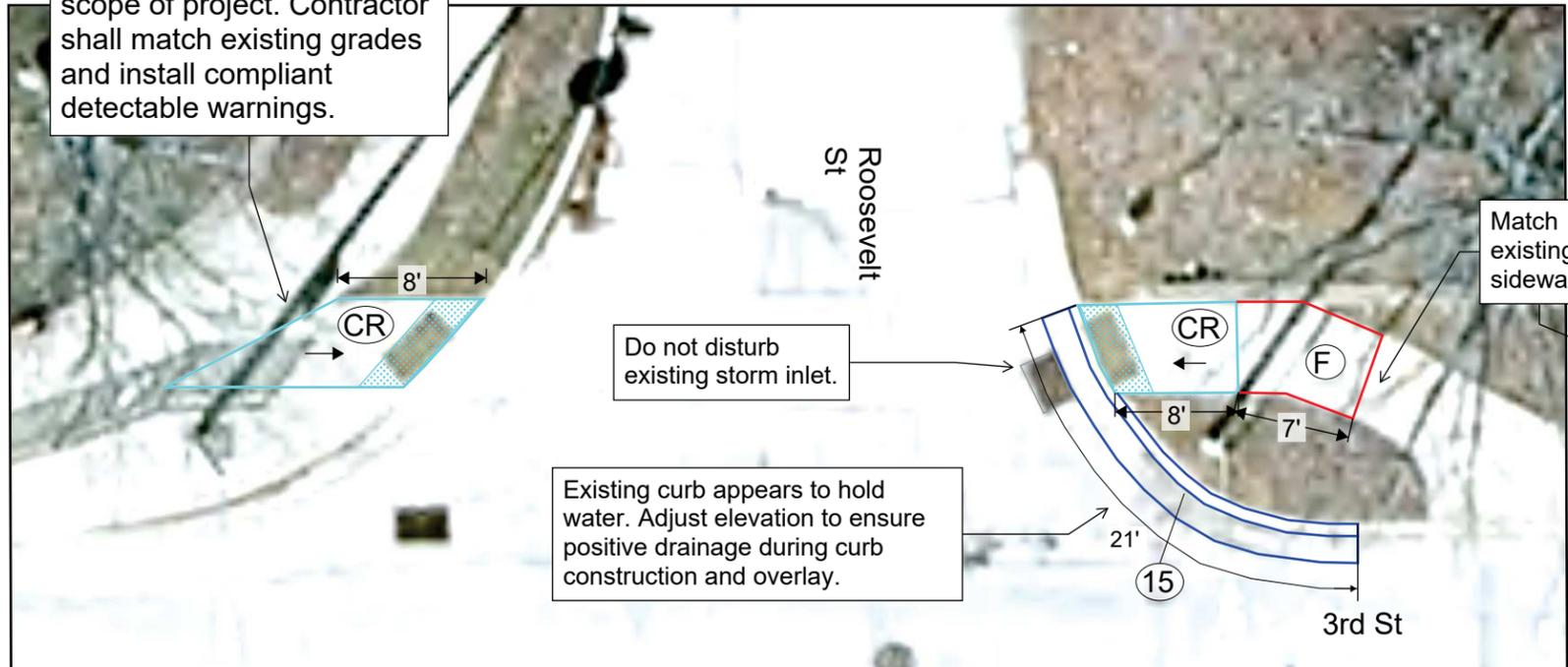
**EAST 3RD STREET  
 (EAGLESON TO OVERHILL)  
 RESURFACING  
 CURB RAMP DETAILS**

HORIZONTAL SCALE:  
 1" = 10'

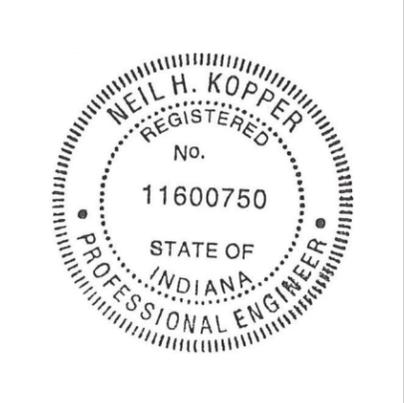
SHEET  
 11 of 18



Updates to address non-compliant slopes at this ramp are not feasible within scope of project. Contractor shall match existing grades and install compliant detectable warnings.



- (F) Sidewalk, Concrete, 4 in., on #53 Agg., 4 in.
- (CR) Curb Ramp, Concrete
- (13) Concrete Curb
- (15) Concrete Curb and Gutter, Modified
- (17) Center Curb, D Concrete Modified
- (P) Patch, 165 #/syd HMA Surface, on PCCP, 9 in.
- TS Turning Space, 1.50% Slope Each Way Desirable, 2.00% Max.



RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

DESIGNED: NHK DRAWN: NHK

CHECKED: PRD CHECKED: PRD

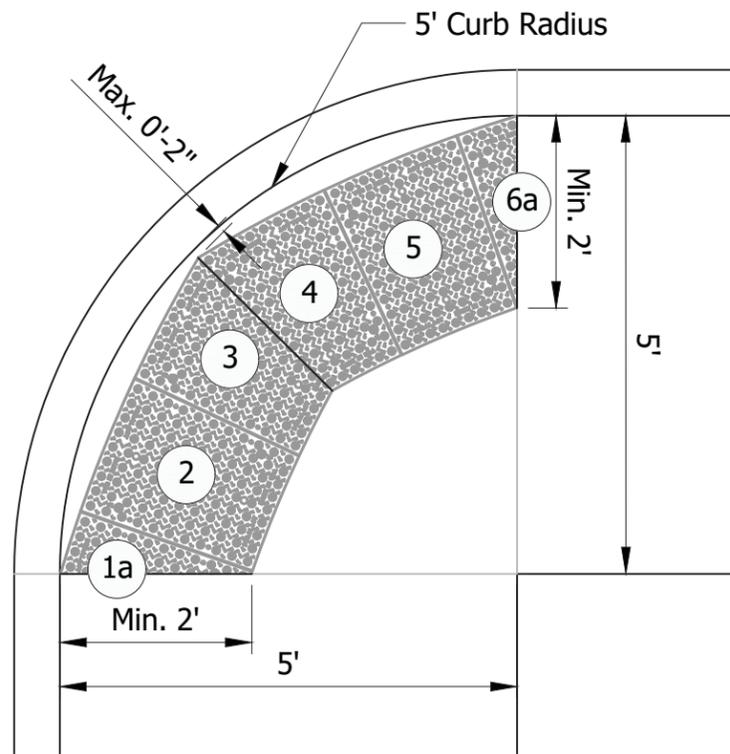
CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING  
CURB RAMP DETAILS**

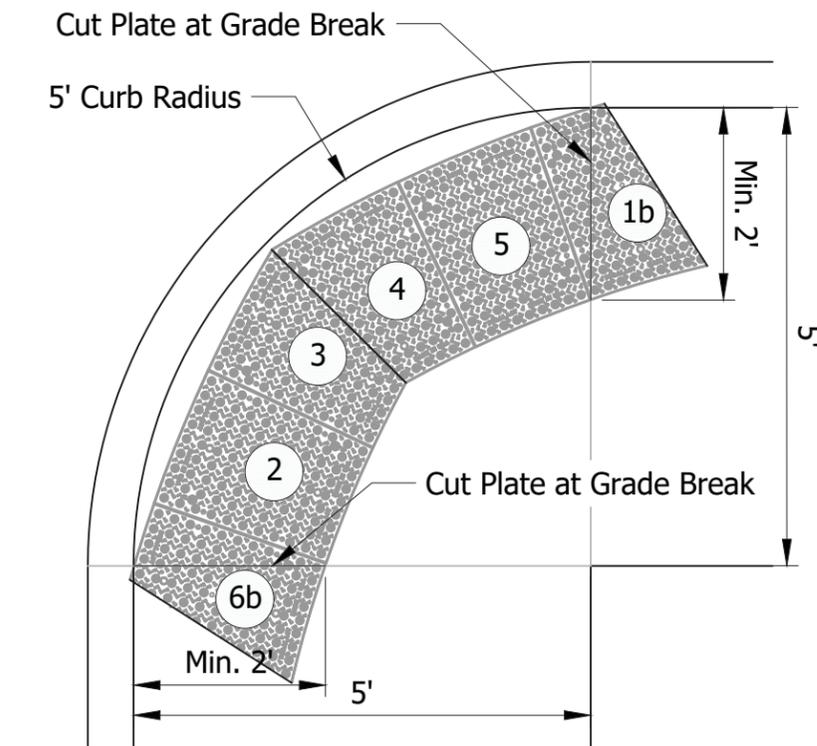
HORIZONTAL SCALE: 1" = 10'

SHEET 12 of 18



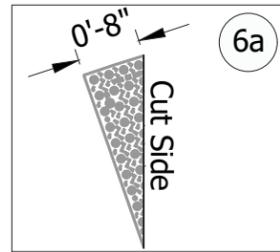
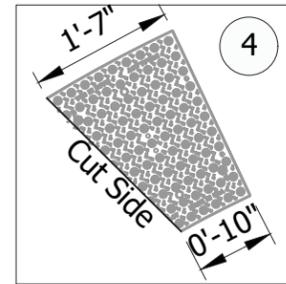
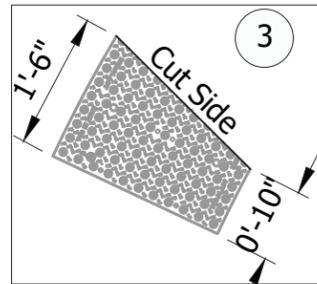
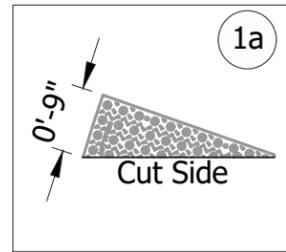


LAYOUT 01 FULL PLATE SECTIONS



LAYOUT 02 REMNANT PLATE SECTIONS  
Detail Provided to Show Use of Cut Pieces from Layout 01

② & ⑤ Uncut 15 ft. radius plates      ①b & ⑥b Are remnant pieces of 1a & 6a respectively



Notes:  
All dimensions are approximate and dependent upon field conditions.  
Layouts shown with East Jordan 15 ft. radius plates. Layout similar for other brands, see City Approved List.  
Detail created to address supply issues with smaller radius plates. If 5' radius plates available they shall be used.

|   |
|---|
| CITY OF BLOOMINGTON   |
| STANDARD CURB RAMP<br>15 FT RADIUS PLATES LAYOUT<br>5 FT RADIUS CURB LINE |
| STANDARD DRAWING CR-1   |



RECOMMENDED FOR APPROVAL *Neil H. Kopper* 5/8/2023  
ENGINEER DATE

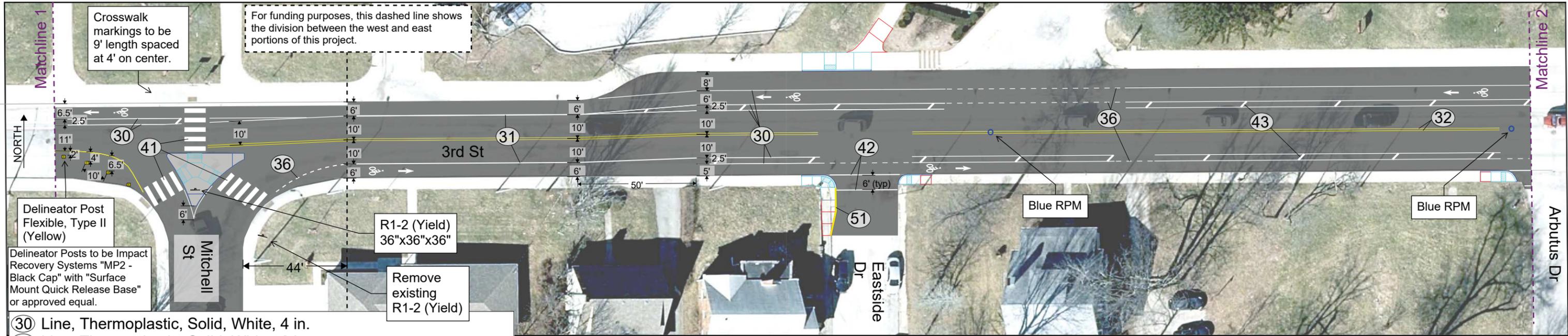
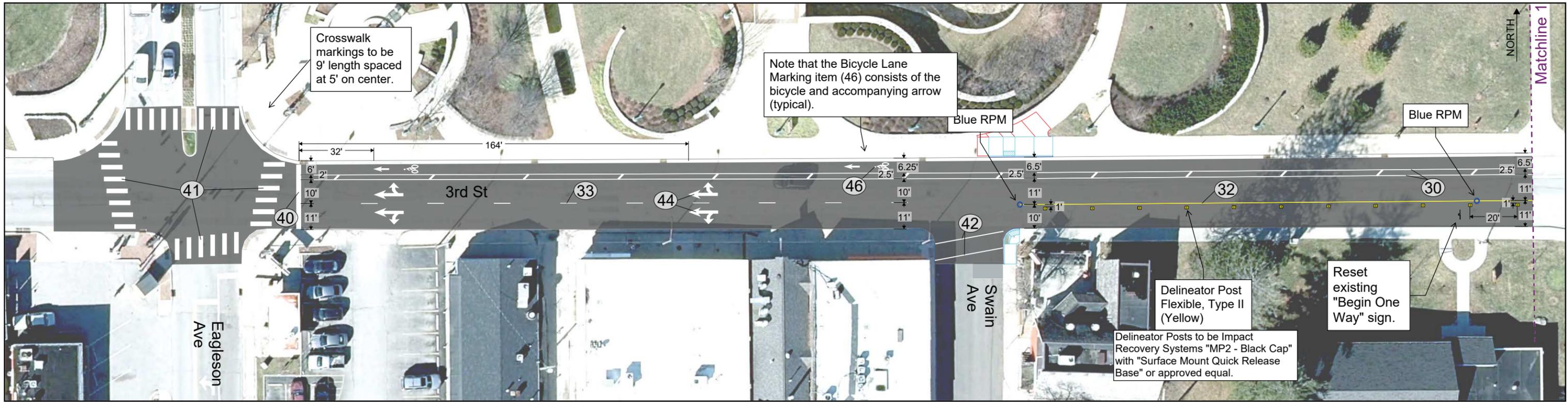
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CHECKED: PRD CHECKED: PRD

CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING  
CURB RAMP DETAILS**

HORIZONTAL SCALE:  
N/A

SHEET  
14 of 18



- ③① Line, Thermoplastic, Solid, White, 4 in.
- ③② Line, Thermoplastic, Solid, White, 6 in.
- ③③ Line, Thermoplastic, Solid, Yellow, 4 in.
- ③④ Line, Thermoplastic, Broken, White, 4 in. (7' solid, 21' gap)
- ④① Transverse Marking, Thermoplastic, Stop Line, 24 in.
- ④② Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- ④③ Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
- ④④ Transverse Marking, Thermoplastic, Crosshatch Line, White, 12 in. (45 degree angle, 40' spacing)
- ④⑤ Pavement Message Marking, Thermoplastic Lane Indication Arrow
- ④⑥ Pavement Message Marking, Thermoplastic, Bicycle Lane Marking
- ⑤① Curb, Painting, Yellow



RECOMMENDED FOR APPROVAL *Neil H. Kopper* 5/8/2023  
 ENGINEER DATE

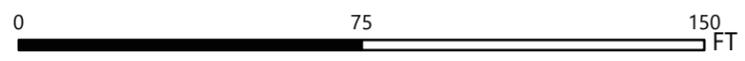
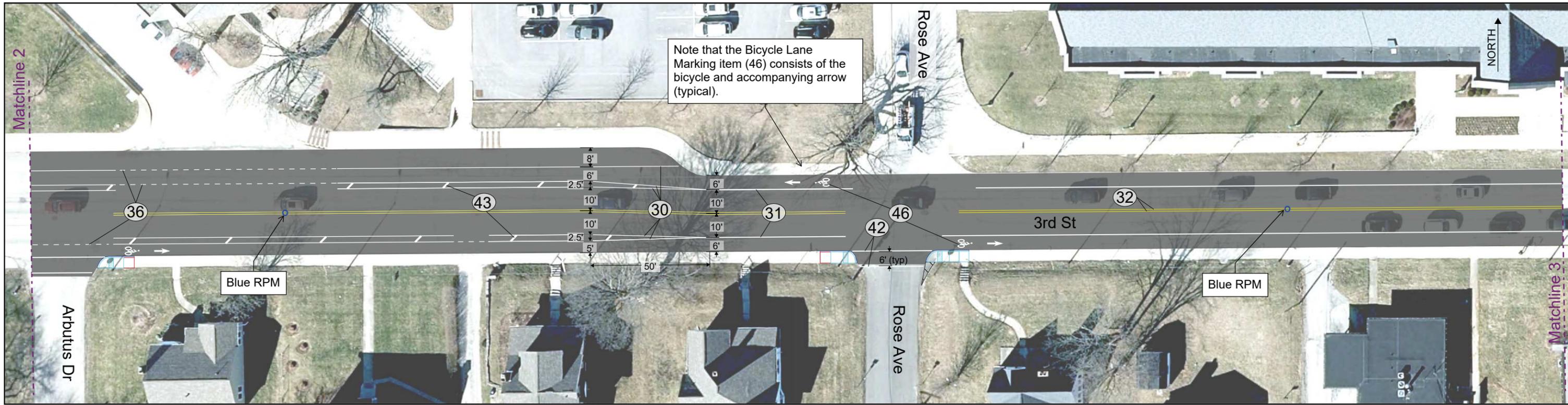
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CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT

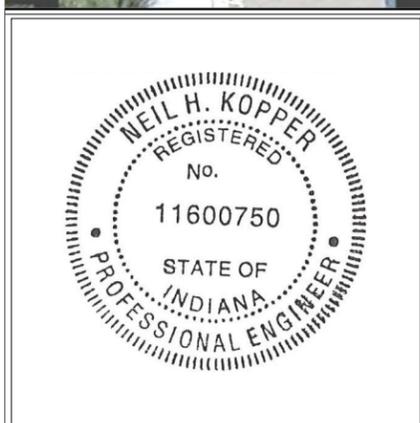
**EAST 3RD STREET  
 (EAGLESON TO OVERHILL)  
 RESURFACING**

HORIZONTAL SCALE:  
 1" = 40'

SHEET  
 15 of 18



- ③① Line, Thermoplastic, Solid, White, 4 in.
- ③① Line, Thermoplastic, Solid, White, 6 in.
- ③② Line, Thermoplastic, Solid, Yellow, 4 in.
- ③③ Line, Thermoplastic, Broken, White, 4 in. (7' solid, 21' gap)
- ③⑥ Line, Thermoplastic, Dotted, White, 4 in. (2' solid, 4' gap)
- ④① Transverse Marking, Thermoplastic, Stop Line, 24 in.
- ④① Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- ④② Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
- ④③ Transverse Marking, Thermoplastic, Crosshatch Line, White, 12 in. (45 degree angle, 40' spacing)
- ④④ Pavement Message Marking, Thermoplastic Lane Indication Arrow
- ④⑥ Pavement Message Marking, Thermoplastic, Bicycle Lane Marking



RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

DESIGNED: NHK DRAWN: NHK

CHECKED: PRD CHECKED: PRD

**CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT**

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING**

HORIZONTAL SCALE:  
1" = 40'

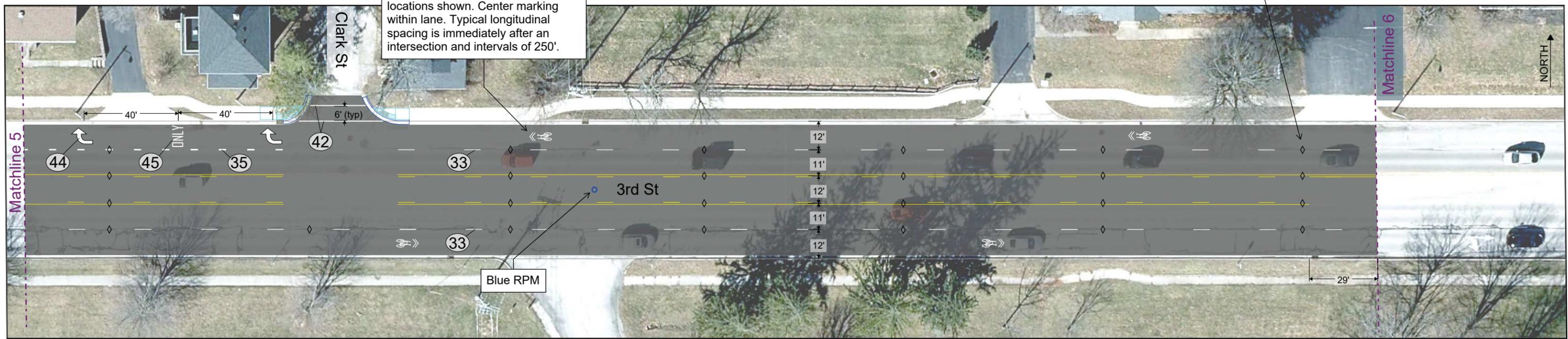
SHEET  
16 of 18



Raised Pavement Markers (RPMs) shall be installed in compliance with MUTCD requirements. When adjacent to yellow lines, RPM color shall be yellow on both sides. When adjacent to white lines, color shall be white on one side and red on the side visible to traffic proceeding in the wrong direction. RPMs installed at spacing = 84'.



Install Pavement Message Marking, Thermoplastic, Shared Lane in locations shown. Center marking within lane. Typical longitudinal spacing is immediately after an intersection and intervals of 250'.



- ③① Line, Thermoplastic, Solid, White, 4 in.
- ③② Line, Thermoplastic, Solid, Yellow, 4 in.
- ③③ Line, Thermoplastic, Broken, White, 4 in. (7' solid, 21' gap)
- ③④ Line, Thermoplastic, Broken, Yellow, 4 in. (7' solid, 21' gap)
- ③⑤ Line, Thermoplastic, Dotted, White, 8 in. (3' solid, 9' gap)
- ④② Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
- ④④ Pavement Message Marking, Thermoplastic Lane Indication Arrow
- ④⑤ Pavement Message Marking, Thermoplastic, Only



RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

DESIGNED: NHK DRAWN: NHK

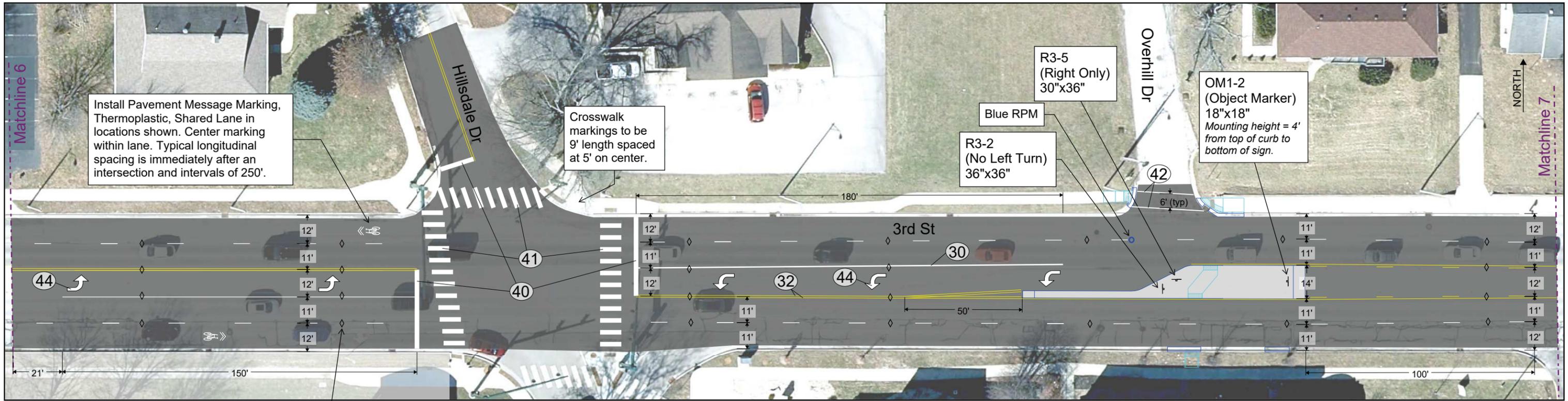
CHECKED: PRD CHECKED: PRD

CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING**

HORIZONTAL SCALE:  
1" = 40'

SHEET  
17 of 18



Install Pavement Message Marking, Thermoplastic, Shared Lane in locations shown. Center marking within lane. Typical longitudinal spacing is immediately after an intersection and intervals of 250'.

Crosswalk markings to be 9' length spaced at 5' on center.

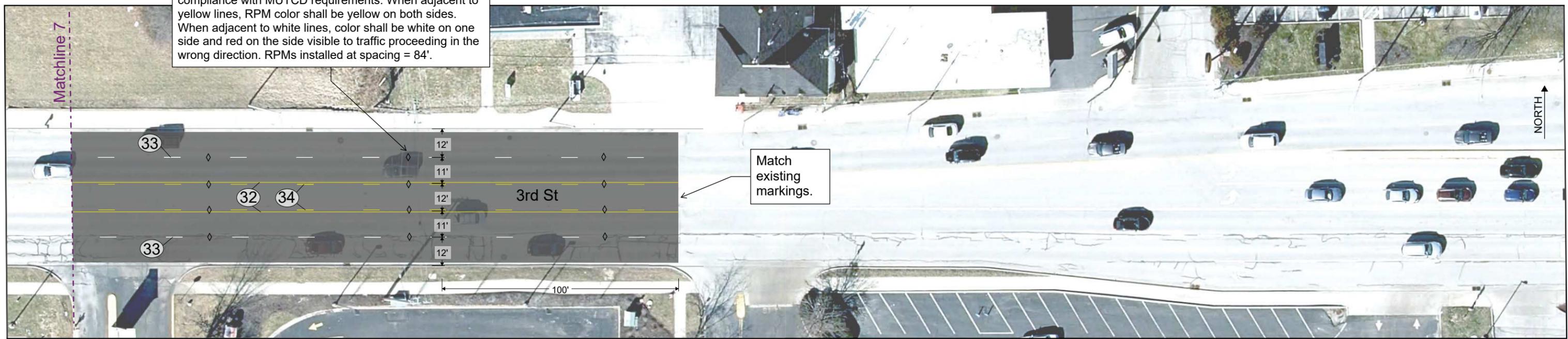
R3-5 (Right Only) 30"x36"

Blue RPM

R3-2 (No Left Turn) 36"x36"

OM1-2 (Object Marker) 18"x18"  
Mounting height = 4' from top of curb to bottom of sign.

Raised Pavement Markers (RPMs) shall be installed in compliance with MUTCD requirements. When adjacent to yellow lines, RPM color shall be yellow on both sides. When adjacent to white lines, color shall be white on one side and red on the side visible to traffic proceeding in the wrong direction. RPMs installed at spacing = 84'.



- ③① Line, Thermoplastic, Solid, White, 4 in.
- ③② Line, Thermoplastic, Solid, Yellow, 4 in.
- ③③ Line, Thermoplastic, Broken, White, 4 in. (7' solid, 21' gap)
- ③④ Line, Thermoplastic, Broken, Yellow, 4 in. (7' solid, 21' gap)
- ④① Transverse Marking, Thermoplastic, Stop Line, 24 in.
- ④② Transverse Marking, Thermoplastic, Crosswalk Line, White, 24 in.
- ④③ Transverse Marking, Thermoplastic, Crosswalk Line, White, 6 in.
- ④④ Pavement Message Marking, Thermoplastic Lane Indication Arrow



RECOMMENDED FOR APPROVAL *Neil H. Kopper* ENGINEER 5/8/2023 DATE

DESIGNED: NHK DRAWN: NHK

CHECKED: PRD CHECKED: PRD

CITY OF BLOOMINGTON  
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**EAST 3RD STREET  
(EAGLESON TO OVERHILL)  
RESURFACING**

HORIZONTAL SCALE:  
1" = 40'

SHEET  
18 of 18