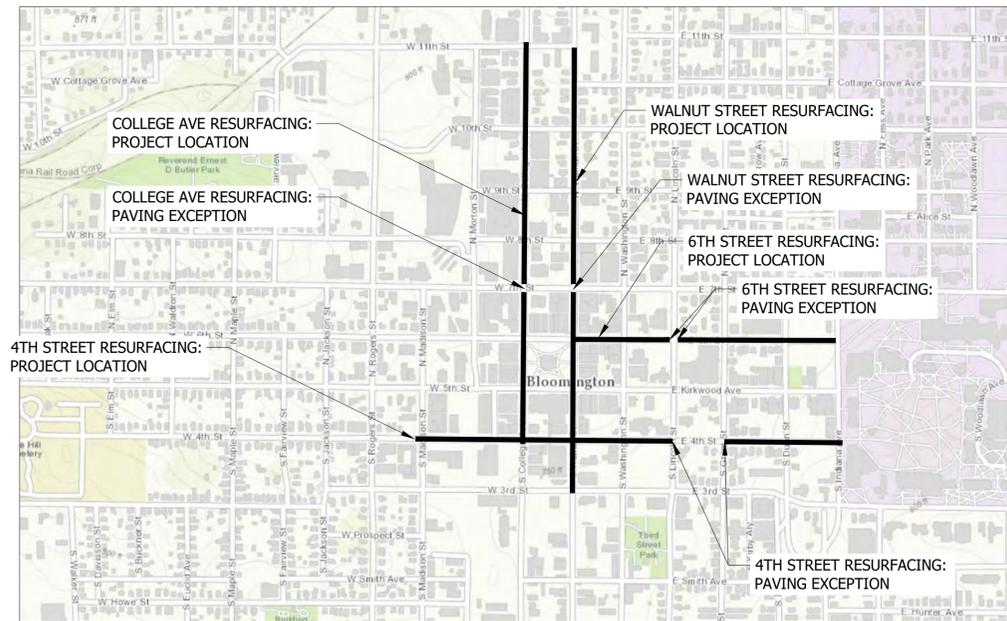


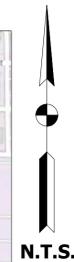
# CITY OF BLOOMINGTON DOWNTOWN STREET MAINTENANCE PROJECT

ROUTES:  
 COLLEGE AVE FROM 4TH STREET TO 11TH STREET - PAVING EXCEPTION @ 7TH STREET  
 WALNUT STREET FROM 3RD STREET TO SOUTH OF 11TH STREET - PAVING EXCEPTION @ 7TH STREET  
 6TH STREET FROM WALNUT STREET TO WEST OF INDIANA AVE - PAVING EXCEPTION @ LINCOLN STREET  
 4TH STREET FROM MADISON STREET TO INDIANA AVE - PAVING EXCEPTION: LINCOLN STREET TO GRANT STREET

VARIOUS LOCATIONS, BLOOMINGTON TOWNSHIP, MONROE COUNTY, INDIANA  
 MILLING, HMA PAVEMENT, SIDEWALK, CURB RAMP AND PAVEMENT MARKING REPLACEMENT.



CITY OF BLOOMINGTON  
 MONROE COUNTY  
 INDIANA



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

PLAN SHEET INDEX:

PART 01 of 02	
• COLLEGE AVE PLAN SHEETS	Pg. 2-4
• WALNUT STREET PLAN SHEETS	Pg. 5-7
• COLLEGE AVE CURB RAMP DETAILS	Pg. 8-13
• WALNUT STREET CURB RAMP DETAILS	Pg. 14-21
• 4TH STREET PLAN SHEETS	Pg. 22-24
• 6TH STREET PLAN SHEETS/PAVEMENT MARKINGS	Pg. 25-27
• 4TH STREET CURB RAMP DETAILS	Pg. 28-36
• PROJECT DETAILS	Pg. 37-38
PART 02 of 02	
• COLLEGE AVE PAVEMENT MARKINGS	Pg. 39-41
• WALNUT STREET PAVEMENT MARKINGS	Pg. 42-44
• 4TH STREET PAVEMENT MARKINGS	Pg. 44-47
• COLLEGE AVE & WALNUT STREET MOT PLANS	Pg. 48-53
• 4TH STREET MOT PLANS	Pg. 53-64
• PROJECT WIDE MOT DETAILS	Pg. 65

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.

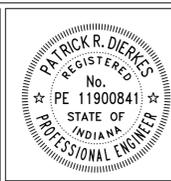
Maintenance of traffic (vehicular and pedestrian): Continuous maintenance of access to businesses and residences shall be provided along with protection of the public from construction activities at all times. Temporary traffic control shall be provided by the contractor and shall be in accordance with 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 OF TRANSPORTATION STANDARD SPECIFICATIONS DATED 2024 AND CURRENT SUPPLEMENTS THERETO, TO BE USED WITH THESE PLANS.

PLOTTED: Wednesday, July 3, 2024 12:12:12 AM

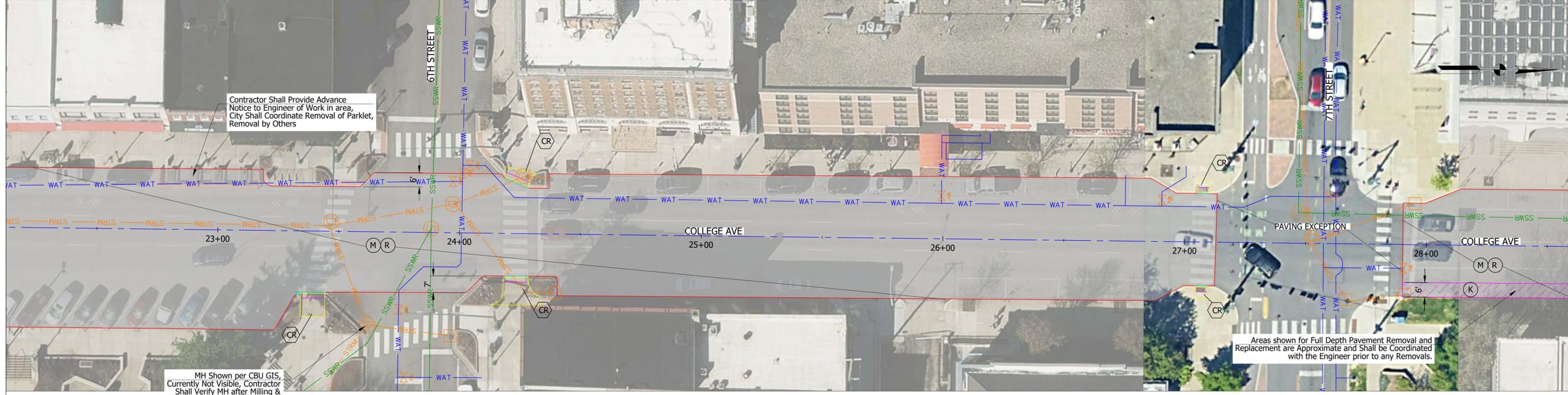
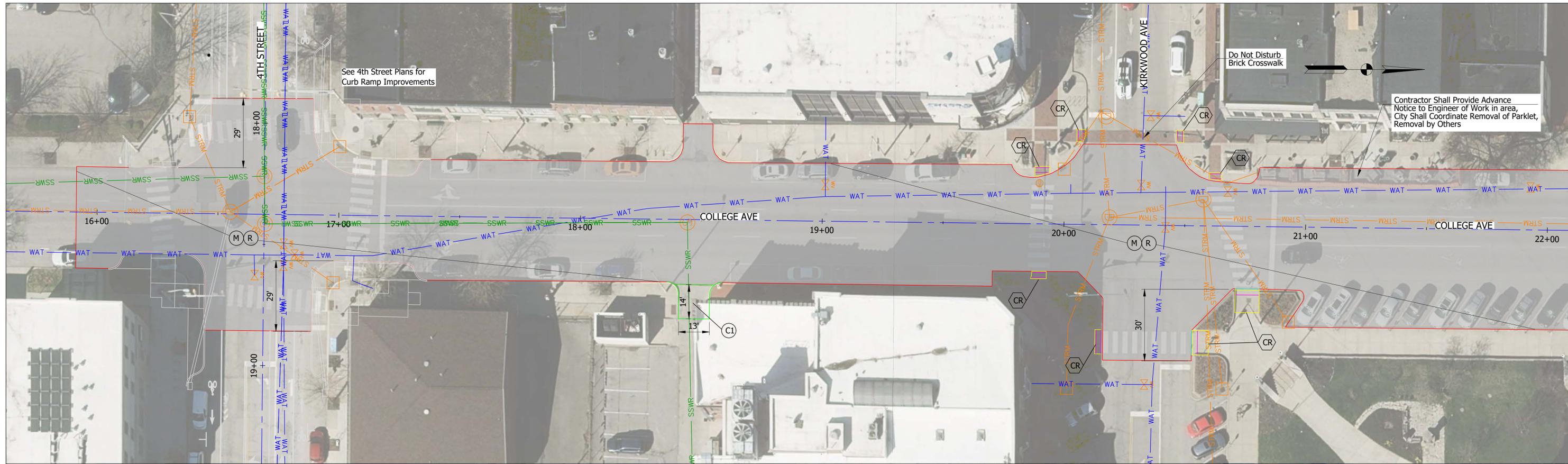


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT**

**3RD STREET RESURFACING  
 PATTERSON DRIVE TO FRANKLIN ROAD**

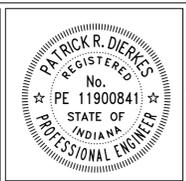
HORIZONTAL SCALE	BRIDGE FILE
N.T.S.	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	1 of 65
CONTRACT	PROJECT
N/A	COLLEGE AVE RESURFACING



MH Shown per CBU GIS, Currently Not Visible, Contractor Shall Verify MH after Milling & Adjust to Grade if Found

(K) Full Depth HMA Pavement  
 165 #/syd HMA Surface, Type 3, 64, 9.5 mm on  
 275 #/syd HMA Intermediate, Type 3, 19.0 mm on  
 440 #/syd HMA Base, Type 3, 25.0 mm on  
 3 In. Compacted Aggregate, #53 Base on  
 Compacted Subgrade

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	(TS)	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified		
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		



RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i> ENGINEER	07/02/2024 DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON  
 ENGINEERING DEPARTMENT**

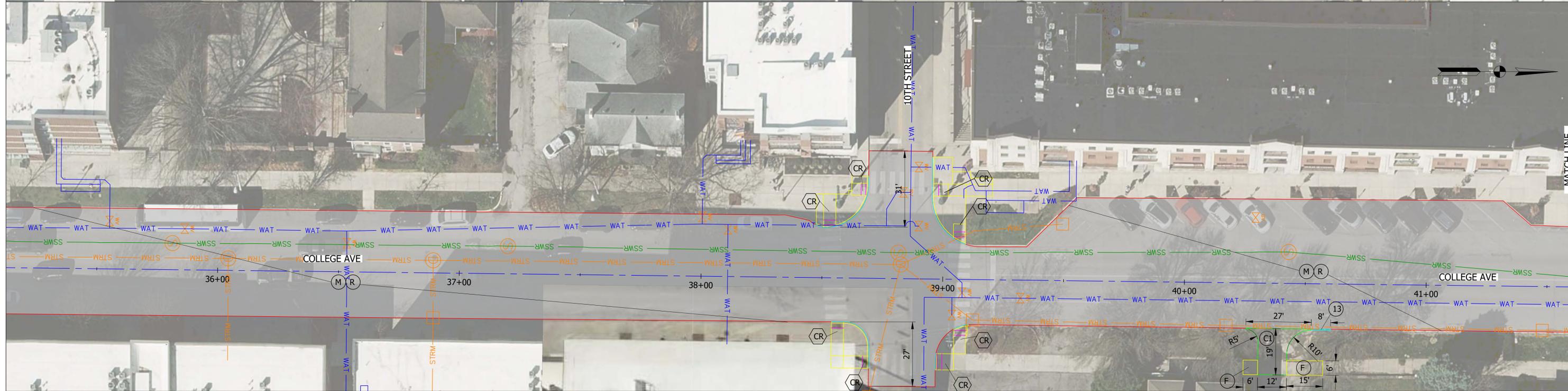
**COLLEGE AVE RESURFACING  
 4TH STREET TO 11TH STREET  
 EXCEPTIONS AT 7TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	2 of 65
CONTRACT	PROJECT
N/A	COLLEGE AVE RESURFACING

PLOTTED: Tuesday, July 2, 2024 5:06:11 AM

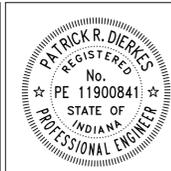


Areas shown for Full Depth Pavement Removal and Replacement are Approximate and Shall be Coordinated with the Engineer prior to any Removals.



- (K) Full Depth HMA Pavement  
165 #/syd HMA Surface, Type 3, 64, 9.5 mm on  
275 #/syd HMA Intermediate, Type 3, 19.0 mm on  
440 #/syd HMA Base, Type 3, 25.0 mm on  
3 In. Compacted Aggregate, #53 Base on  
Compacted Subgrade

- (M) Milling, Asphalt, 1-1/2 in.
- (M1) Milling, Asphalt, 3 in.
- (M2) Transitional Milling, Asphalt, 1-1/2 to 3 in.
- (R) 165 #/syd HMA Surface, Type 3, 64, 9.5 mm
- (F) Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.
- (CR) Curb Ramp, Concrete
- (C1) PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.
- (13) Concrete Curb
- (15) Concrete Curb and Gutter, Modified
- (P) Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.
- TS Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
- (42) Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
- (F1) Brick Sidewalk Removal and Replacement, See Detail



RECOMMENDED FOR APPROVAL: *Patrick R. Dierkes* ENGINEER, DATE: 07/02/2024

DESIGNED: PRD      DRAWN: PRD

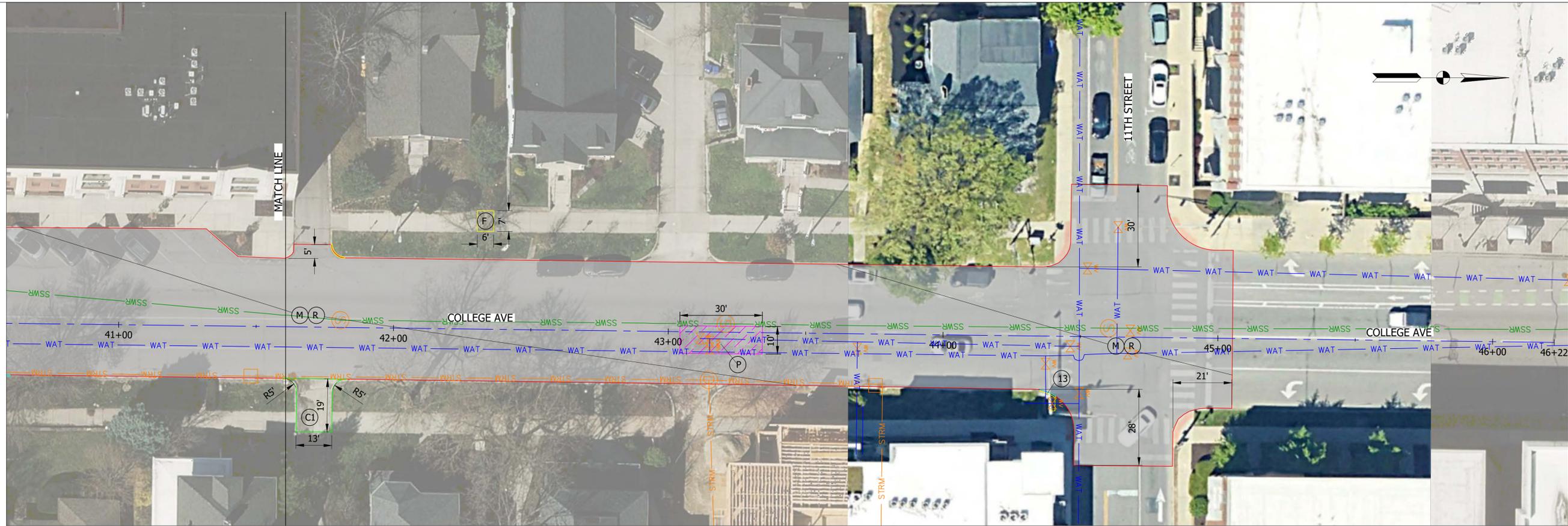
CHECKED: NK      CHECKED:

**CITY OF BLOOMINGTON ENGINEERING DEPARTMENT**

**COLLEGE AVE RESURFACING 4TH STREET TO 11TH STREET EXCEPTIONS AT 7TH STREET**

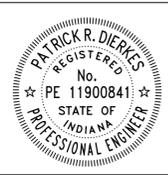
HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICLE SCALE N/A	DESIGNATION N/A
SURVEY BOOK N/A	SHEETS 3 of 65
CONTRACT N/A	PROJECT COLLEGE AVE RESURFACING

PLOTTED: Tuesday, July 2, 2024 5:07:18 AM



PLOTTED: Tuesday, July 2, 2024 5:09:11 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified		
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

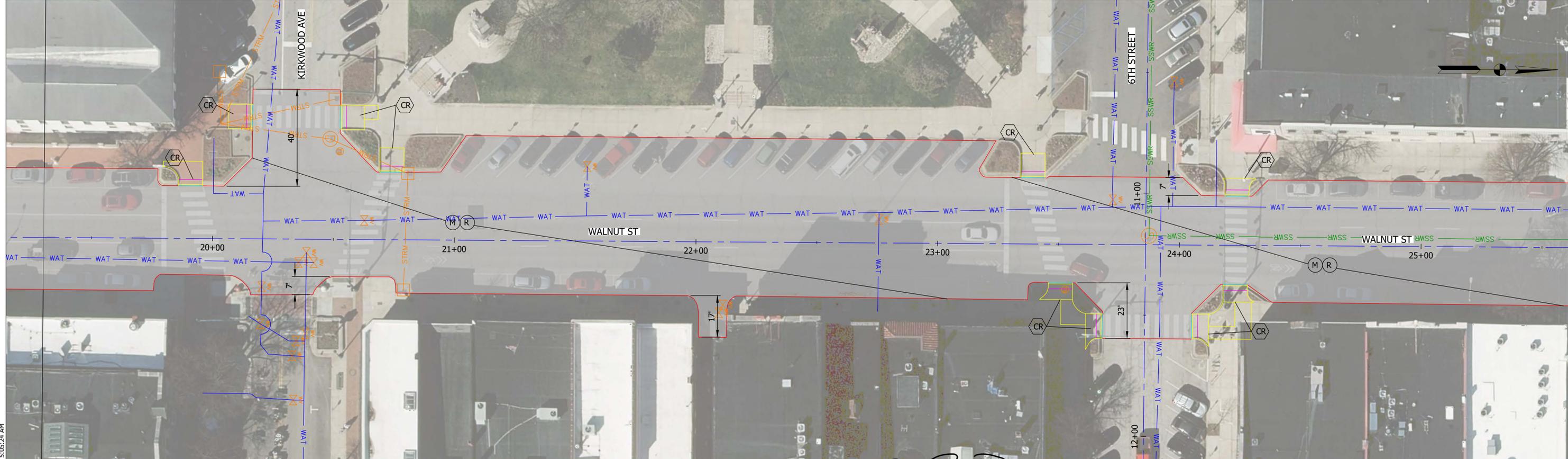
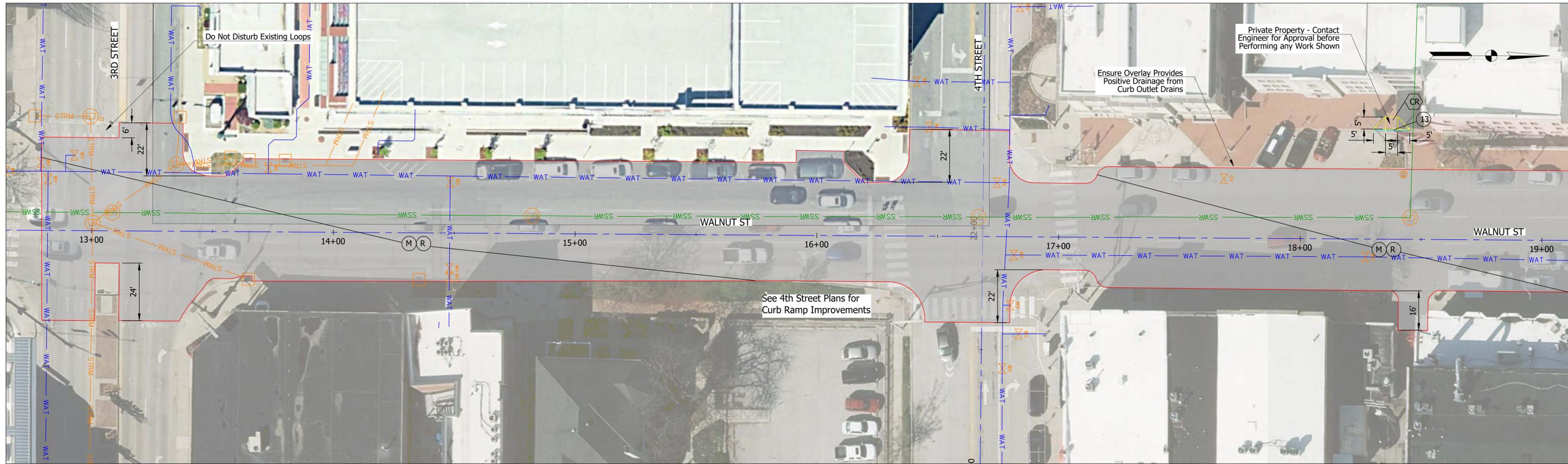


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	DATE	07/02/2024
DESIGNED: PRD	DRAWN: PRD	CHECKED: NK	CHECKED:

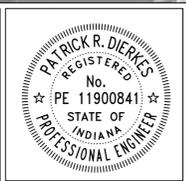
**CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT**

**COLLEGE AVE RESURFACING  
4TH STREET TO 11TH STREET  
EXCEPTIONS AT 7TH STREET**

HORIZONTAL SCALE	1" = 20'	BRIDGE FILE	N/A
VERTICLE SCALE	N/A	DESIGNATION	N/A
SURVEY BOOK	N/A	SHEETS	4 of 65
CONTRACT	N/A	PROJECT	COLLEGE AVE RESURFACING



(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified		
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		



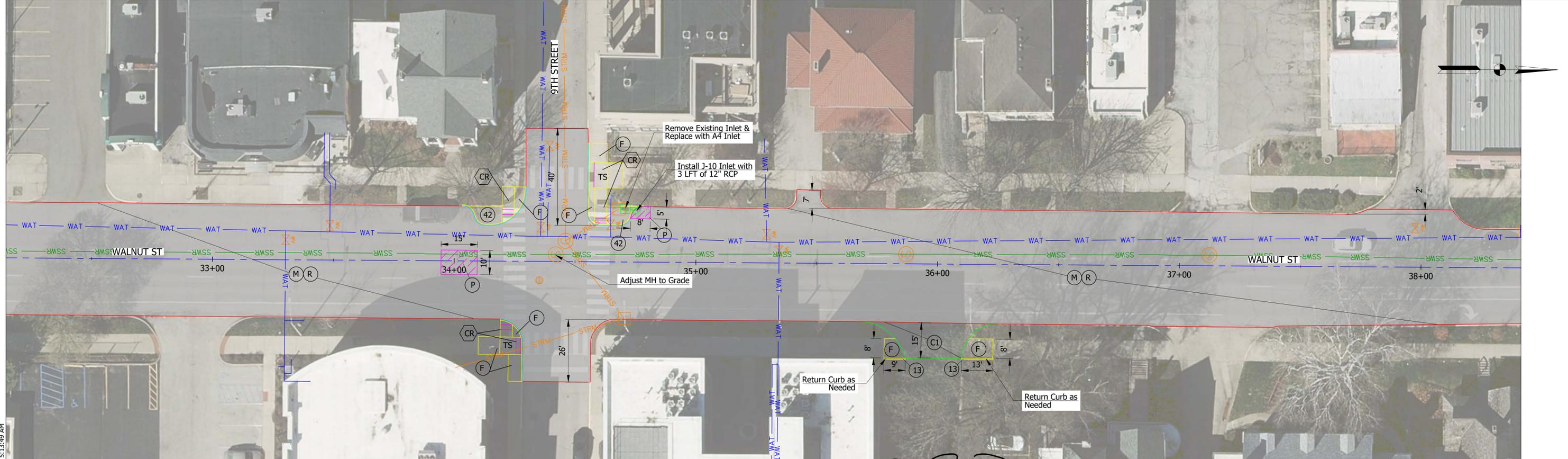
RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT**

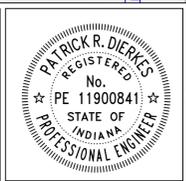
**WALNUT ST RESURFACING  
4TH STREET TO 11TH STREET  
EXCEPTIONS AT 7TH & 11TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	5 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING

PLOTTED: Tuesday, July 2, 2024 5:05:24 AM



(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	(TS)	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 in. on 6 in. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified		
(F)	Sidewalk, Concrete, 4 in. on 4 in. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 in.		



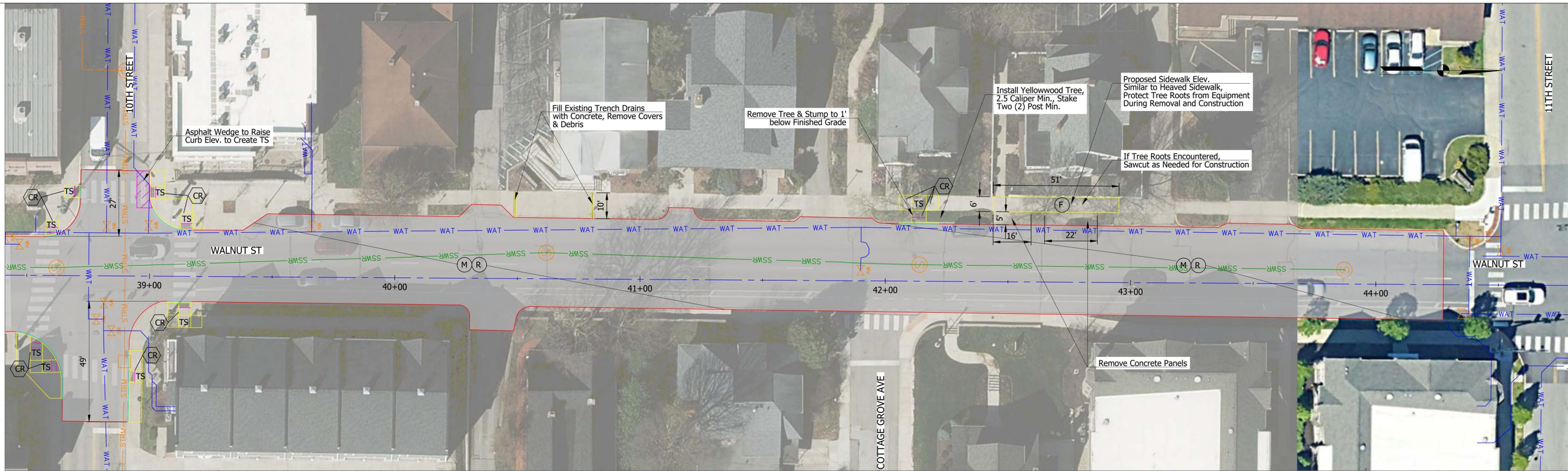
RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT**

**WALNUT ST RESURFACING  
4TH STREET TO 11TH STREET  
EXCEPTIONS AT 7TH & 11TH STREET**

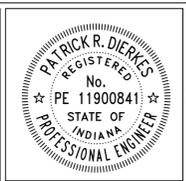
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	6 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING

PLOTTED: Tuesday, July 2, 2024 5:13:49 AM



PLOTTED: Tuesday, July 2, 2024 5:13:05 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 in. on 6 in. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified		
(F)	Sidewalk, Concrete, 4 In. on 4 in. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

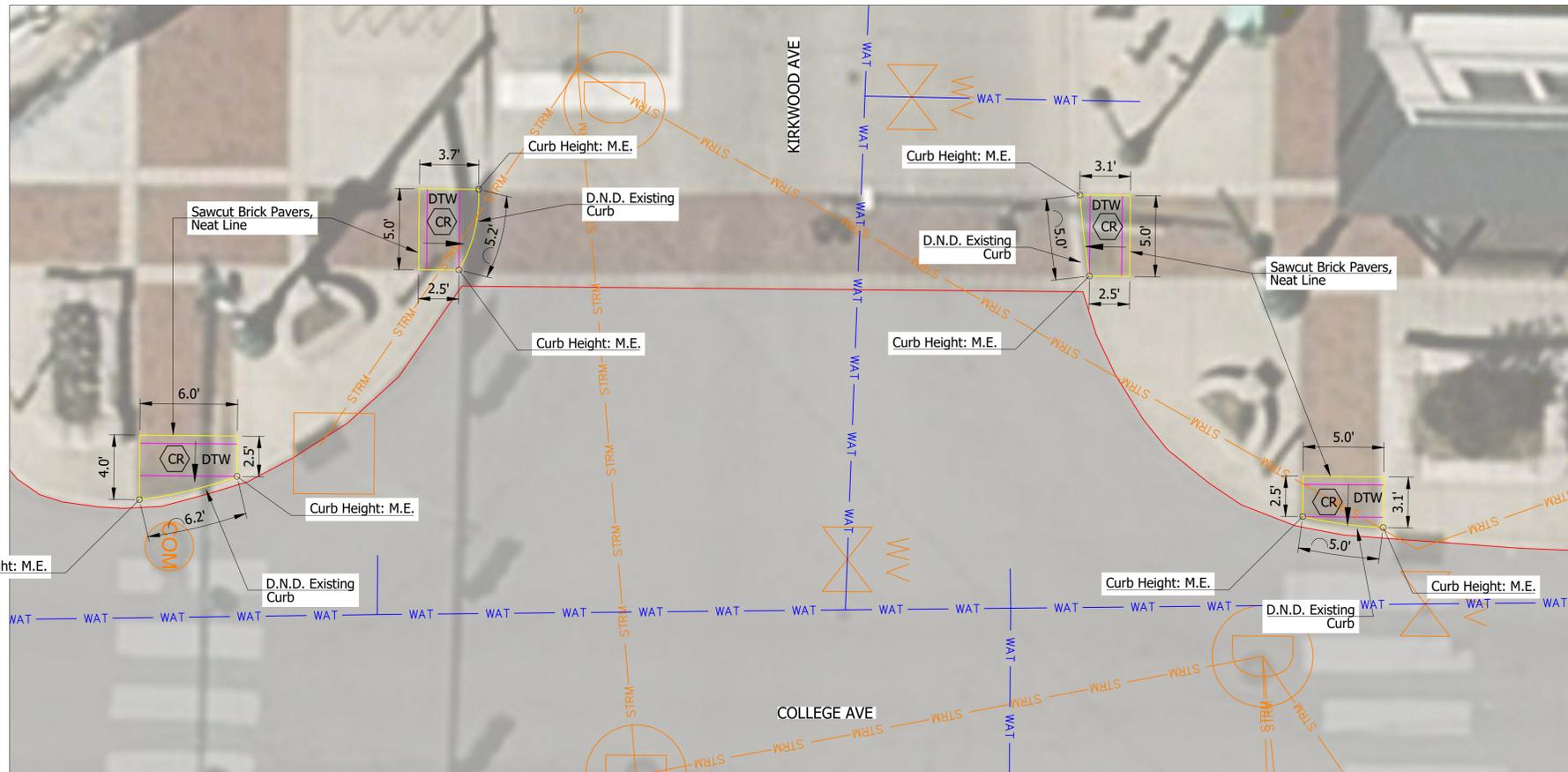


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	ENGINEER	DATE
			07/02/2024
DESIGNED: PRD	DRAWN: PRD		
CHECKED: NK	CHECKED:		

**CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT**

**WALNUT ST RESURFACING  
4TH STREET TO 11TH STREET  
EXCEPTIONS AT 7TH & 11TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	7 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



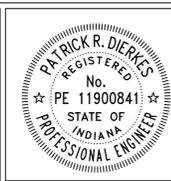
**CURB RAMP DETAILS**  
**NORTHWEST AND SOUTHWEST CORNER COLLEGE AVENUE AND KIRKWOOD AVENUE**  
 Scale: 1"=5'



- Notes:**
- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the 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.
  - All exposed curb faces shall be finished. Back of curbs in grass 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.

PLOTTED: Tuesday, July 2, 2024 4:56:34 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

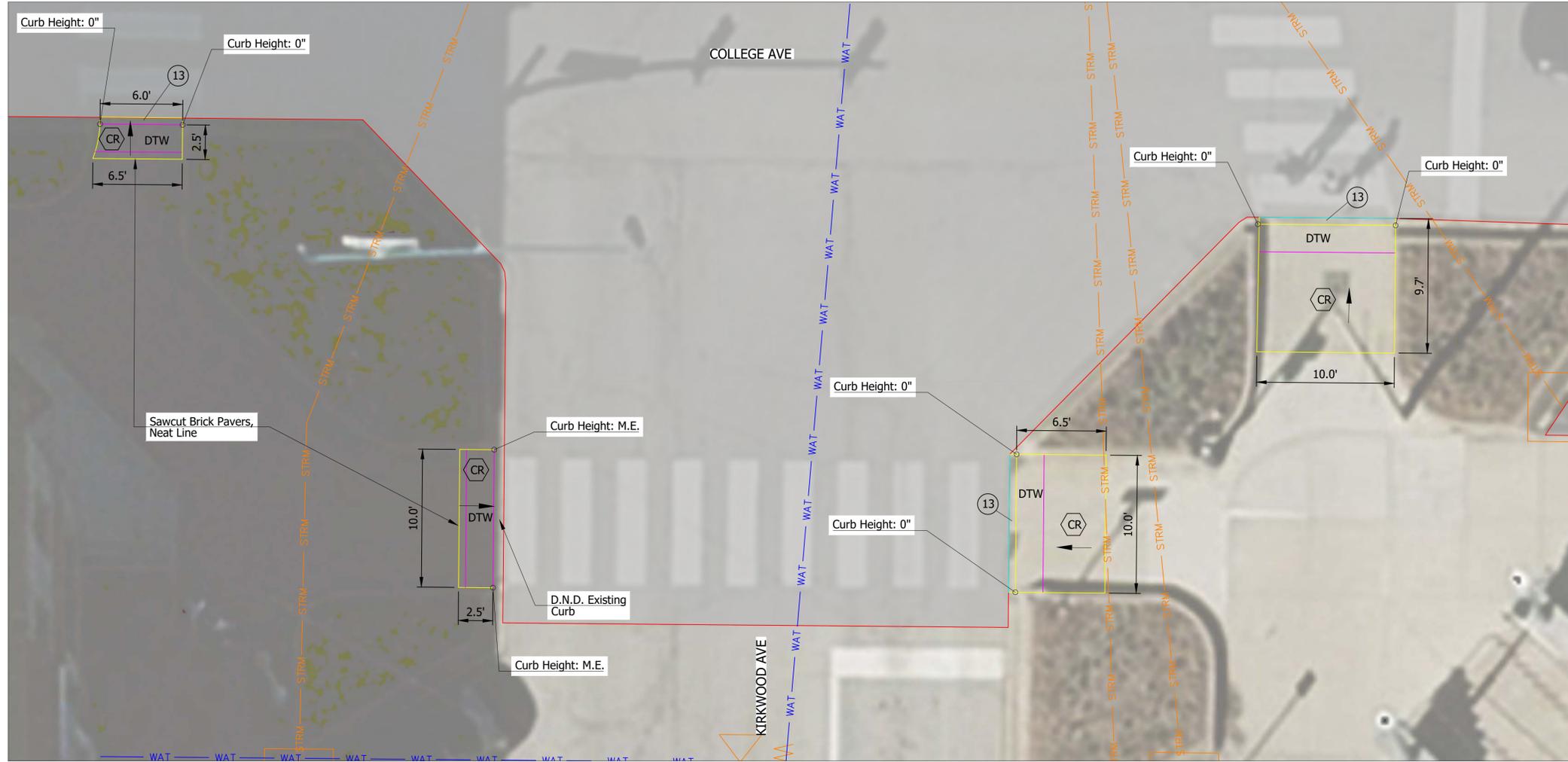


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**COLLEGE AVE RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	8 of 65
CONTRACT	PROJECT
N/A	COLLEGE AVE RESURFACING



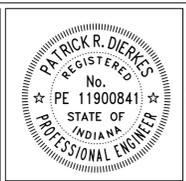
**CURB RAMP DETAILS**  
**NORTHEAST AND SOUTHEAST CORNER COLLEGE AVENUE AND KIRKWOOD AVENUE**  
 Scale: 1"=5'



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

PLOTTED: Tuesday, July 2, 2024 4:57:08 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

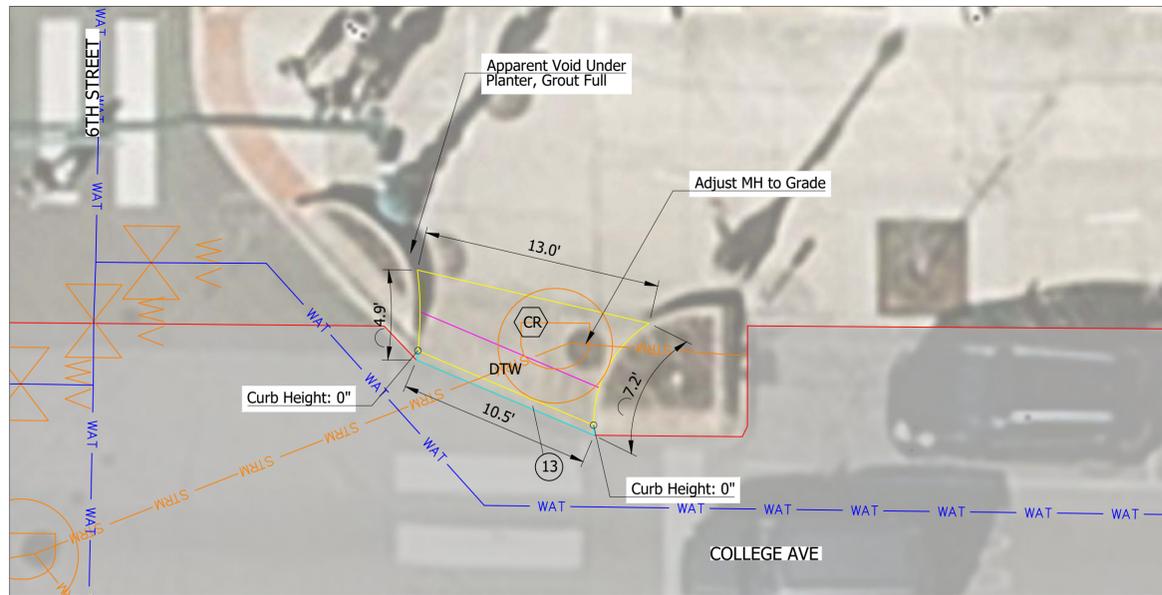


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**COLLEGE AVE RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	9 of 65
CONTRACT	PROJECT
N/A	COLLEGE AVE RESURFACING



**CURB RAMP DETAILS**  
**NORTHWEST CORNER COLLEGE AVENUE AND 6TH STREET**  
 Scale: 1"=5'



**CURB RAMP DETAILS**  
**NORTHEAST AND SOUTHEAST CORNER COLLEGE AVENUE AND 6TH STREET**  
 Scale: 1"=5'

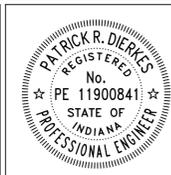


**Notes:**

- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the 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.
- All exposed curb faces shall be finished. Back of curbs in grass 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.

PLOTTED: Tuesday, July 2, 2024 4:58:15 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

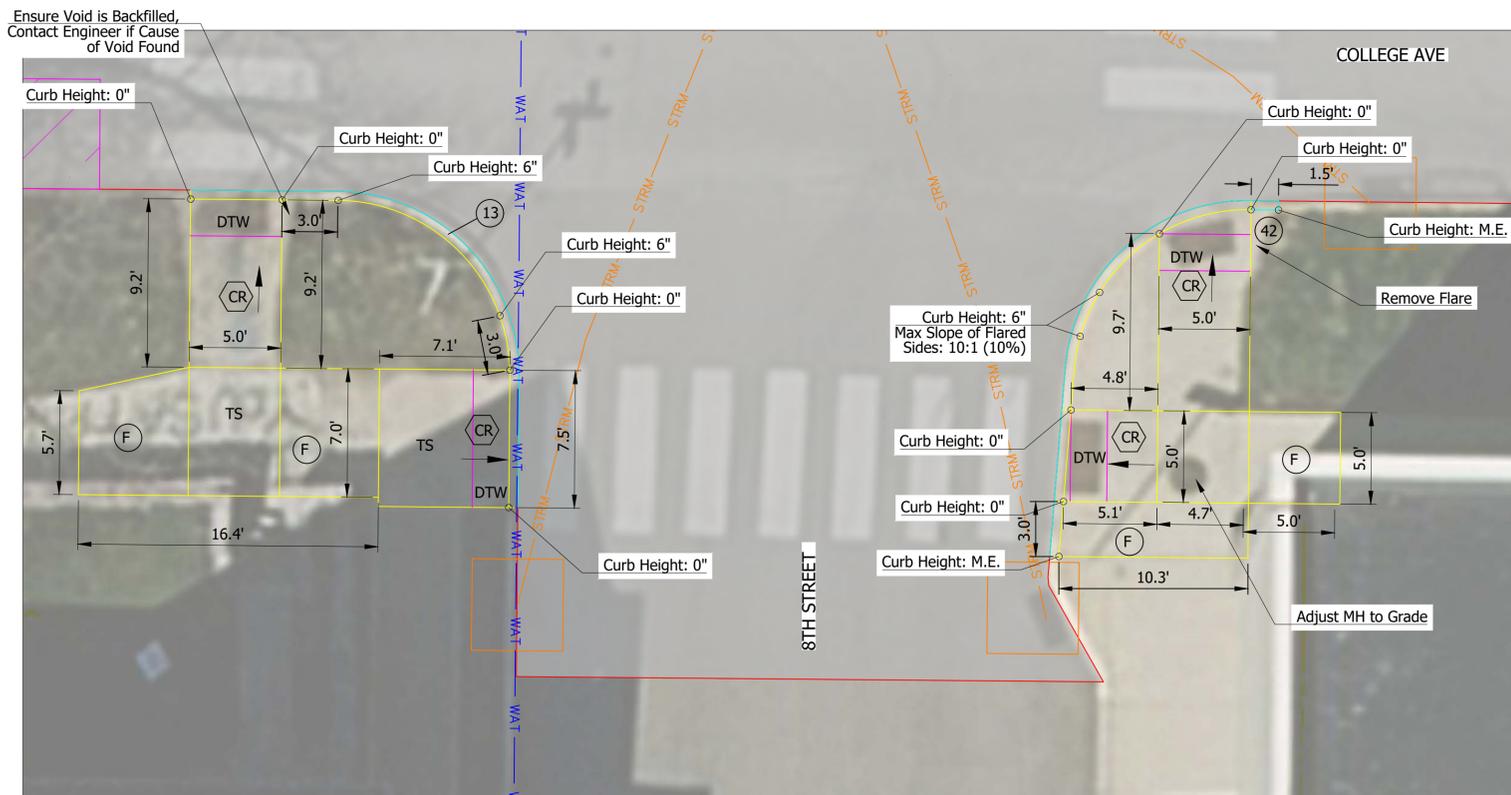


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

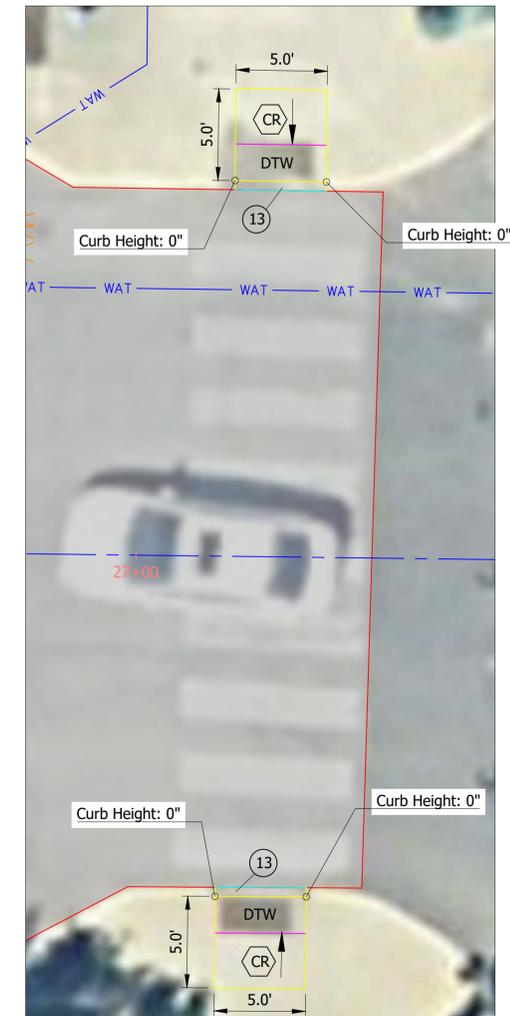
**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**COLLEGE AVE RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	10 of 65
CONTRACT	PROJECT
N/A	COLLEGE AVE RESURFACING



**CURB RAMP DETAILS**  
**NORTHEAST AND SOUTHEAST CORNER COLLEGE AVENUE AND 8TH STREET**  
 Scale: 1"=5'

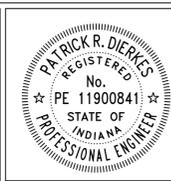


**CURB RAMP DETAILS**  
**SOUTHWEST AND SOUTHEAST CORNER COLLEGE AVENUE AND 7TH STREET**  
 Scale: 1"=5'

- Notes:**
- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the 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.
  - All exposed curb faces shall be finished. Back of curbs in grass 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.

PLOTTED: Tuesday, July 2, 2024 4:59:38 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

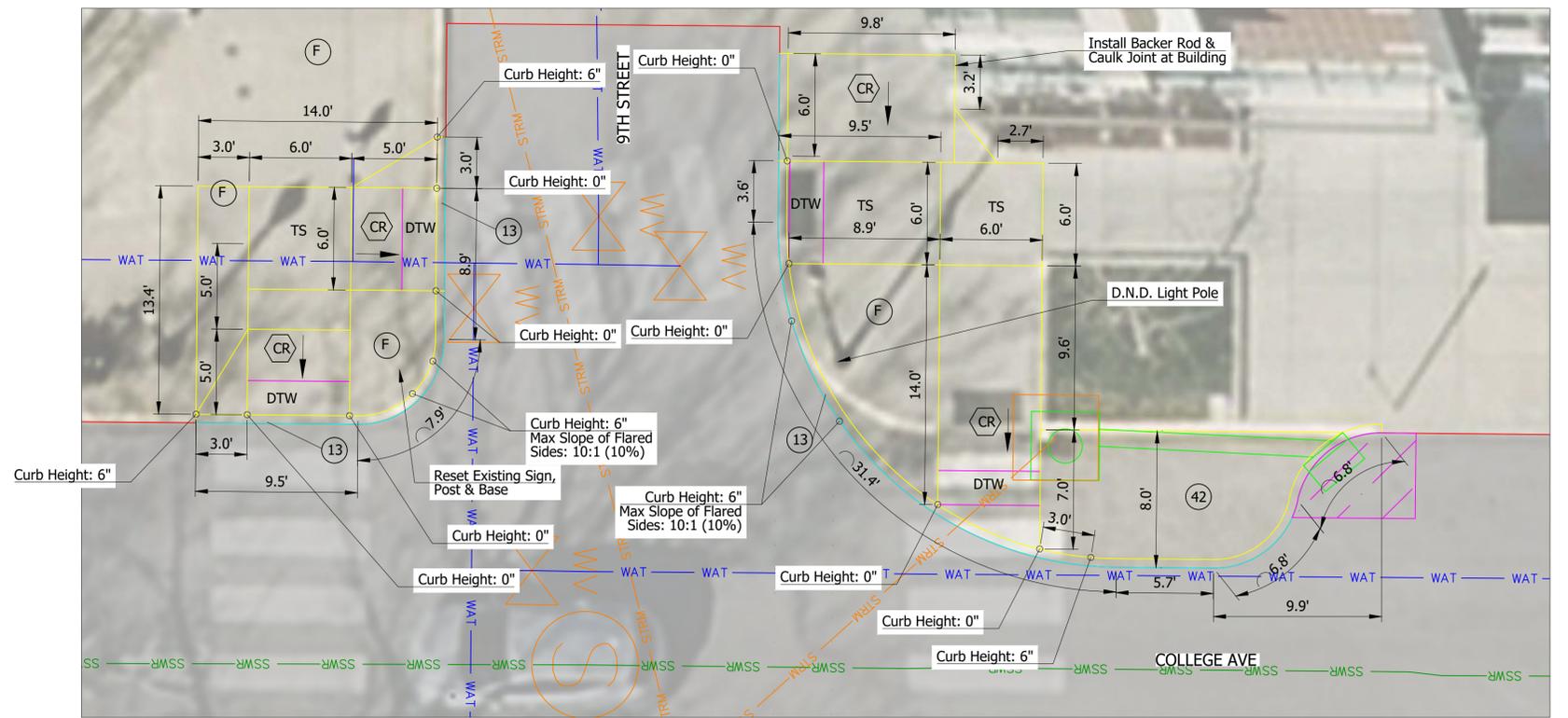


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

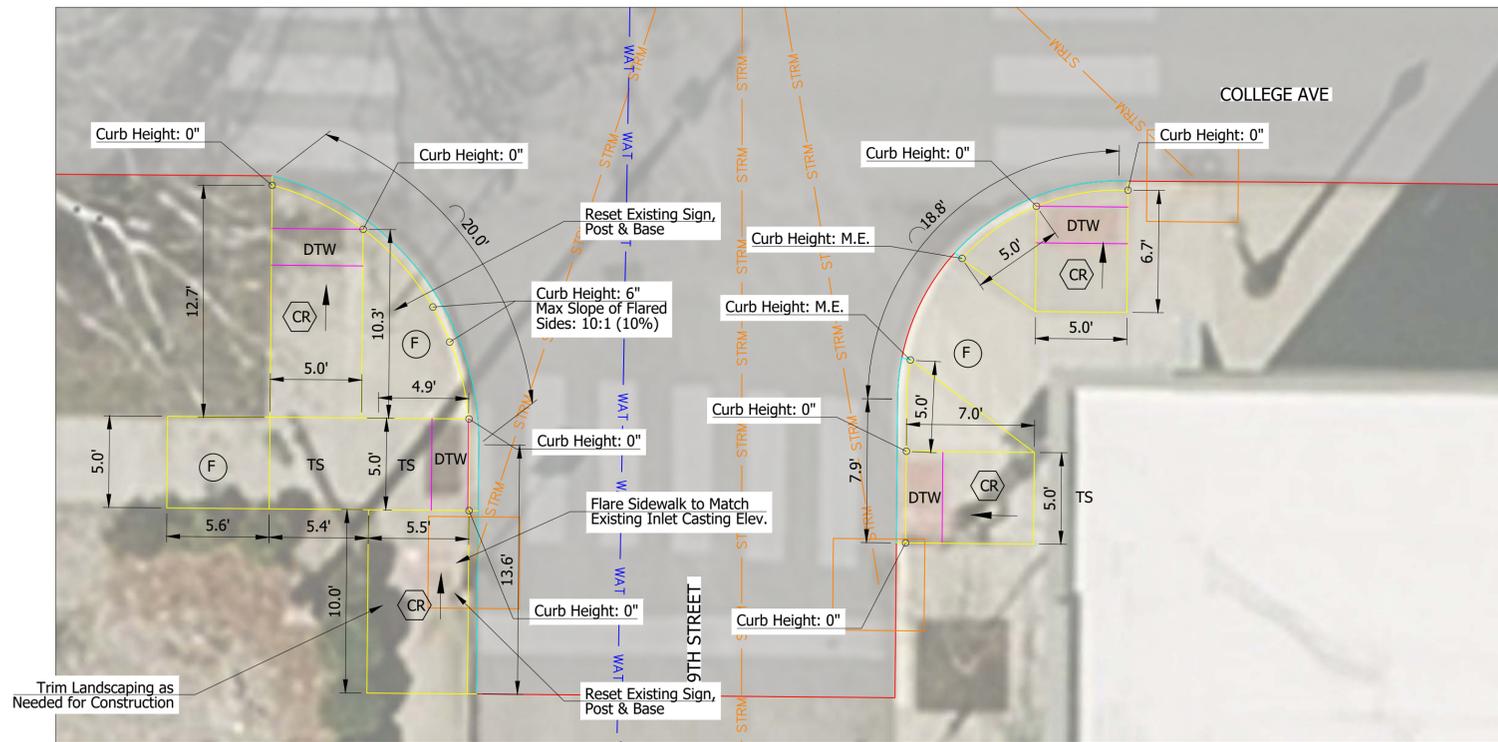
**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**COLLEGE AVE RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	11 of 65
CONTRACT	PROJECT
N/A	COLLEGE AVE RESURFACING



**CURB RAMP DETAILS**  
**NORTHWEST AND SOUTHWEST CORNER COLLEGE AVENUE AND 9TH STREET**  
 Scale: 1"=5'



**CURB RAMP DETAILS**  
**NORTHEAST CORNER COLLEGE AVENUE AND 9TH STREET**  
 Scale: 1"=5'

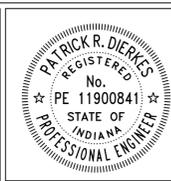


**Notes:**

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PLOTTED: Tuesday, July 2, 2024 5:00:49 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

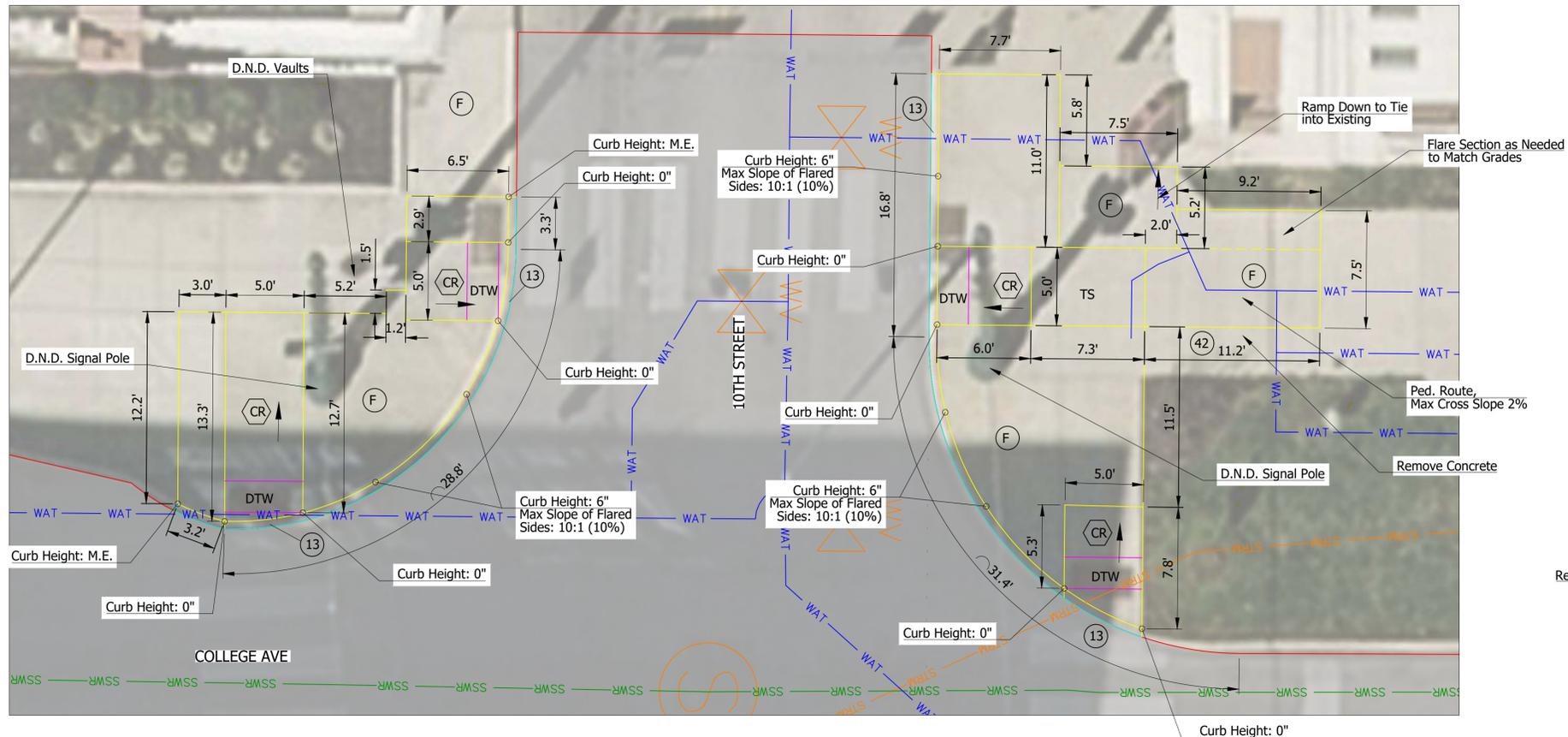


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**COLLEGE AVE RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH STREET**

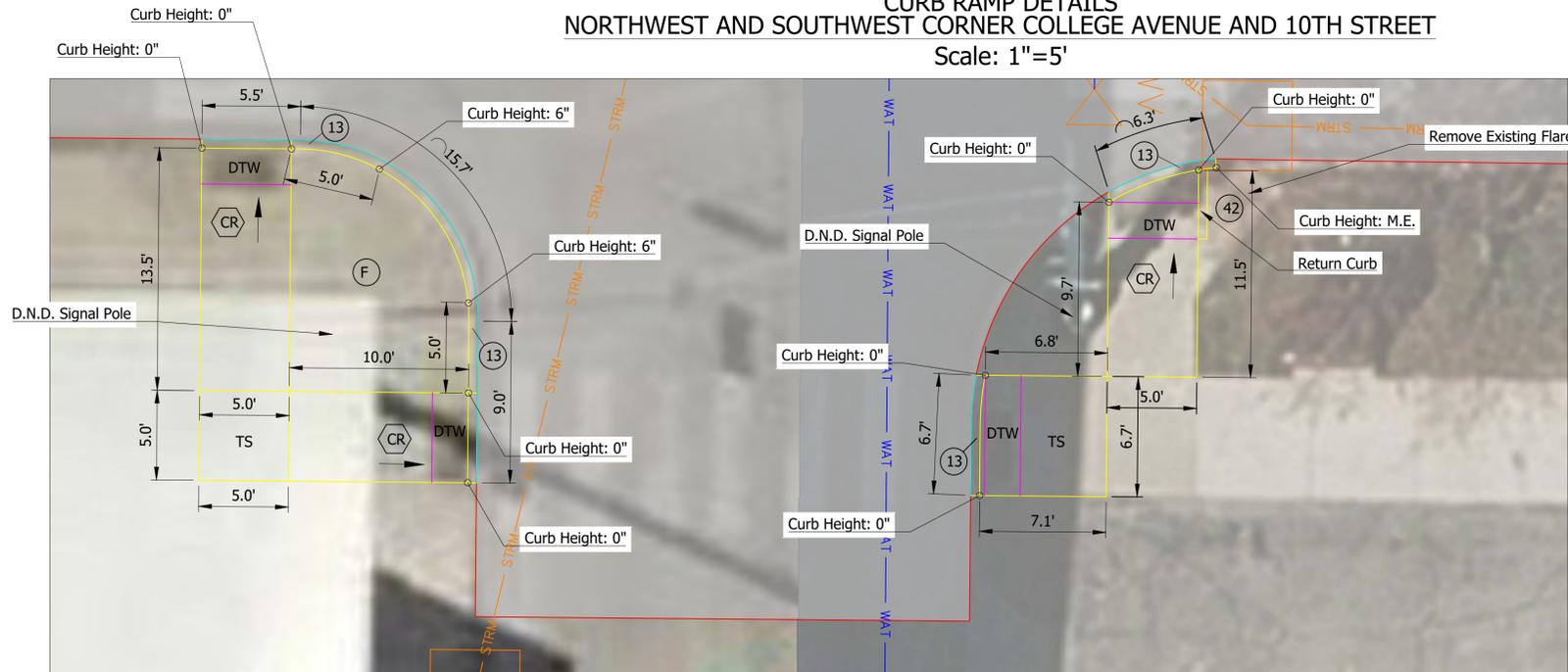
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	12 of 65
CONTRACT	PROJECT
N/A	COLLEGE AVE RESURFACING



**CURB RAMP DETAILS**  
**NORTHWEST AND SOUTHWEST CORNER COLLEGE AVENUE AND 10TH STREET**  
 Scale: 1"=5'



**CURB RAMP DETAILS**  
**SOUTHEAST CORNER COLLEGE AVENUE AND 11TH STREET**  
 Scale: 1"=5'

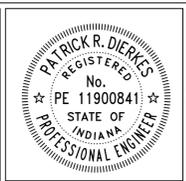


**CURB RAMP DETAILS**  
**NORTHEAST AND SOUTHWEST CORNER COLLEGE AVENUE AND 10TH STREET**  
 Scale: 1"=5'

- Notes:
- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the Owner for approval.
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  - Tree roots impacted during construction shall be sawcut flush.
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PLOTTED: Tuesday, July 2, 2024 4:46:16 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 in. on 6 in. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 in. on 4 in. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 in.		

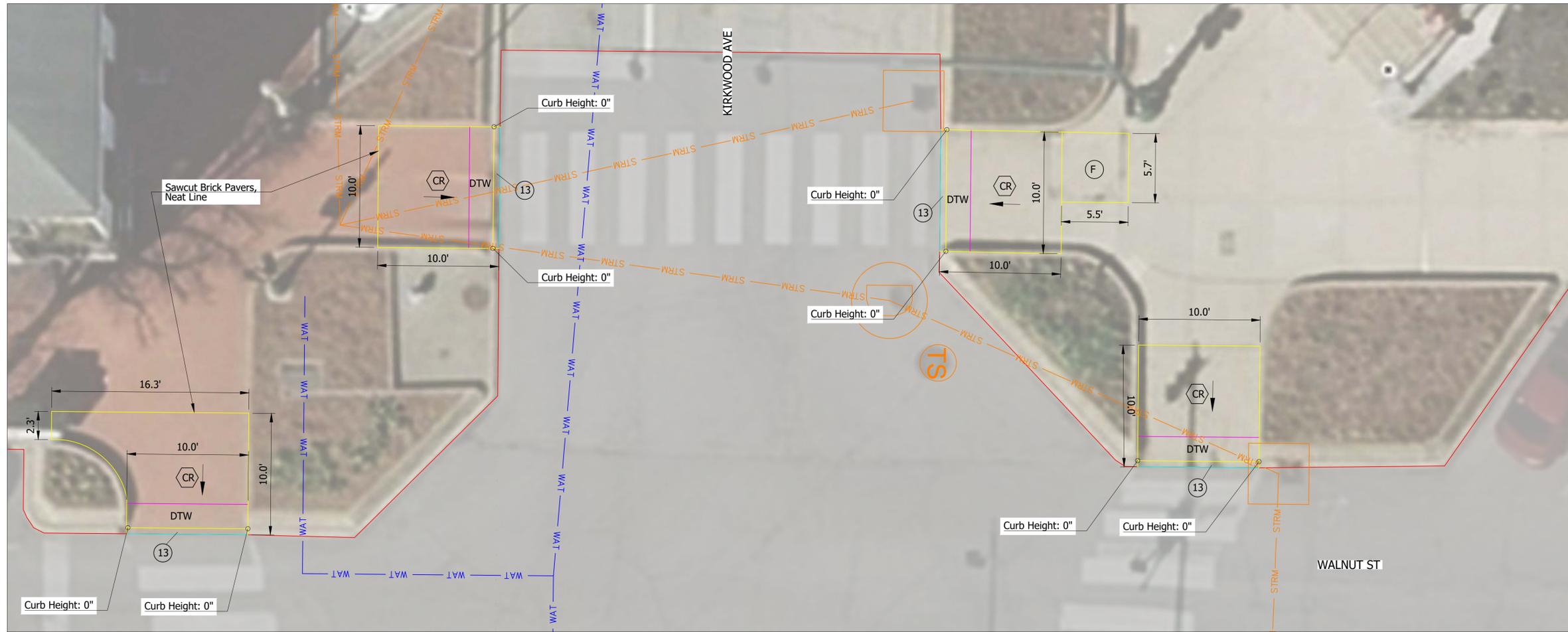


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**COLLEGE AVE RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	13 of 65
CONTRACT	PROJECT
N/A	COLLEGE AVE RESURFACING

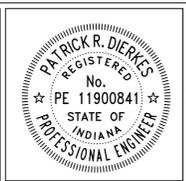


**CURB RAMP DETAILS**  
**NORTHWEST AND SOUTHWEST CORNER WALNUT STREET AND KIRKWOOD AVENUE**  
 Scale: 1"=5'

- Notes:**
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  - 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.
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  - 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.

PLOTTED: Tuesday, July 2, 2024 5:16:15 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		



RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**WALNUT ST RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH & 11TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	14 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



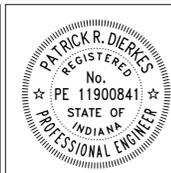
**CURB RAMP DETAILS**  
**NORTHWEST AND SOUTHWEST CORNER WALNUT STREET AND 6TH STREET**  
 Scale: 1"=5'

**Notes:**

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- Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

PLOTTED: Tuesday, July 2, 2024 5:17:17 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

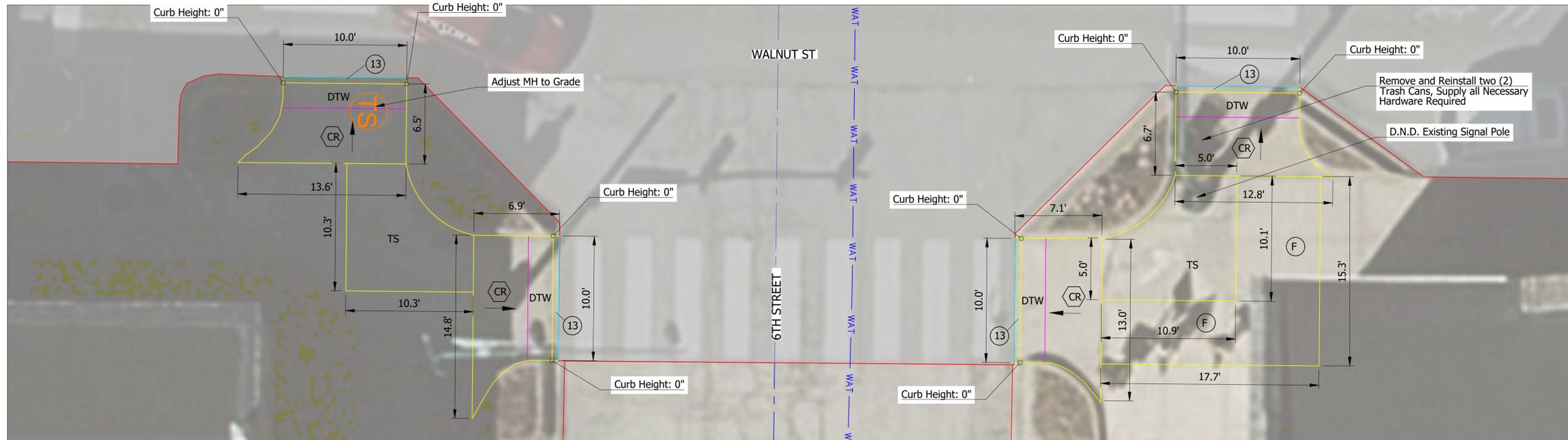


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

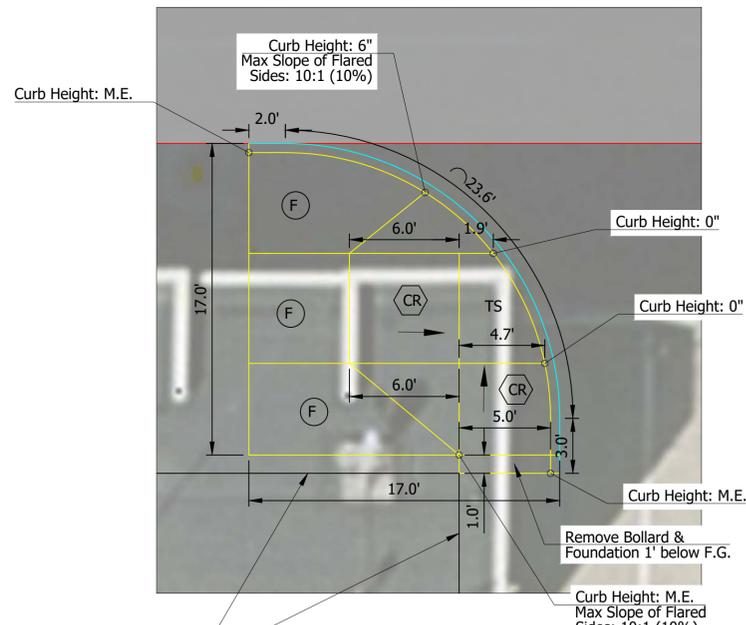
**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**WALNUT ST RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH & 11TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	15 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



**CURB RAMP DETAILS**  
**NORTHEAST AND SOUTHEAST CORNER WALNUT STREET AND 6TH STREET**  
 Scale: 1"=5'

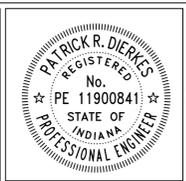


**CURB RAMP DETAILS**  
**EAST WALNUT STREET @ STA 29+44**  
 Scale: 1"=5'

- Notes:**
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PLOTTED: Tuesday, July 2, 2024 5:41:10 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

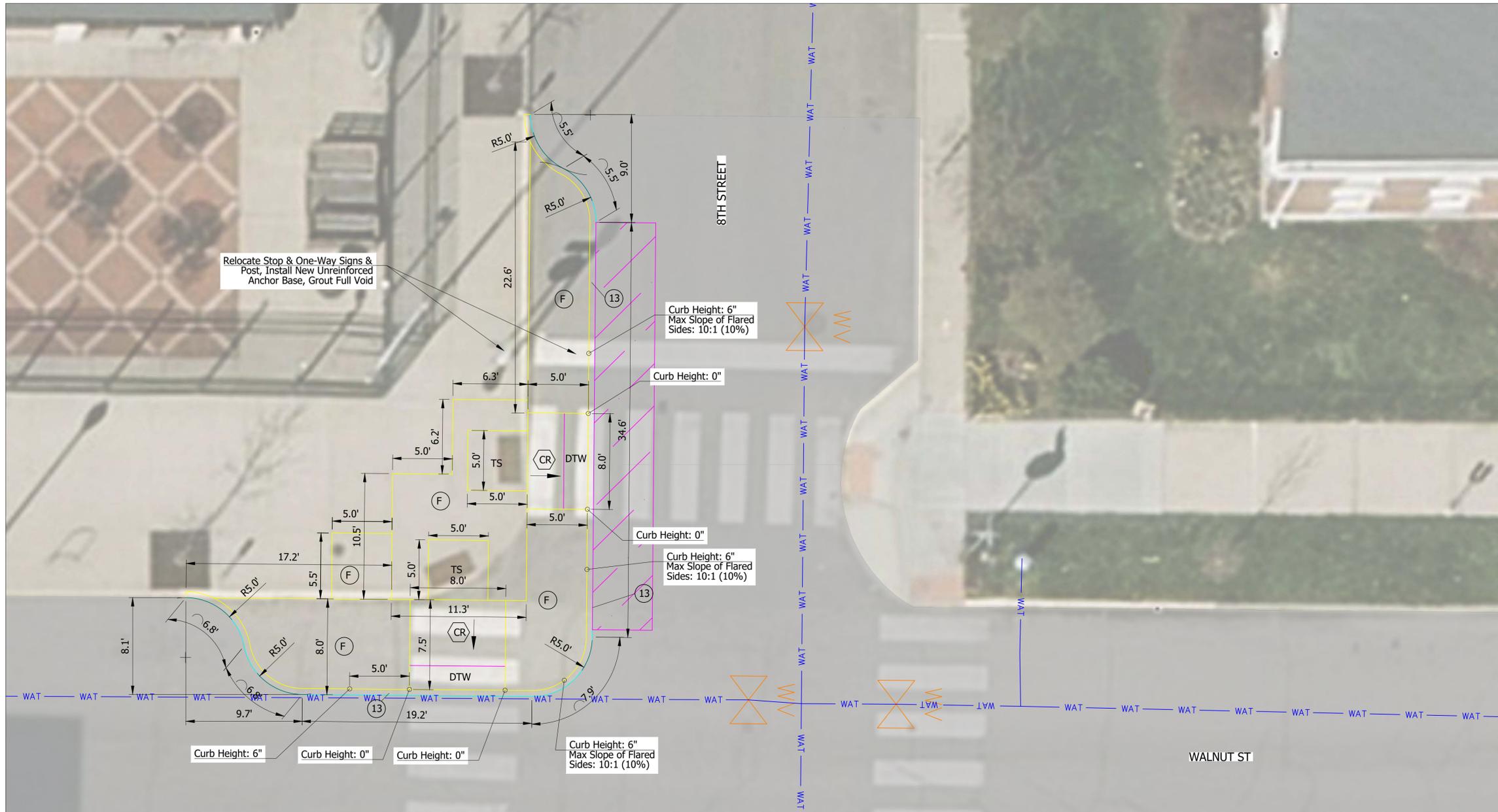


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

WALNUT ST RESURFACING  
 4TH STREET TO 11TH STREET  
 EXCEPTIONS AT 7TH & 11TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	16 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



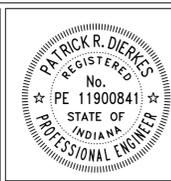
**CURB RAMP DETAILS**  
**NORTHWEST AND SOUTHWEST CORNER WALNUT STREET AND 8TH STREET**  
 Scale: 1"=5'



- Notes:**
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  - Meters and sign posts impacted during construction shall be relocated/replaced. Contractor shall provide temporary signage as needed during construction.

PLOTTED: Tuesday, July 2, 2024 5:42:41 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

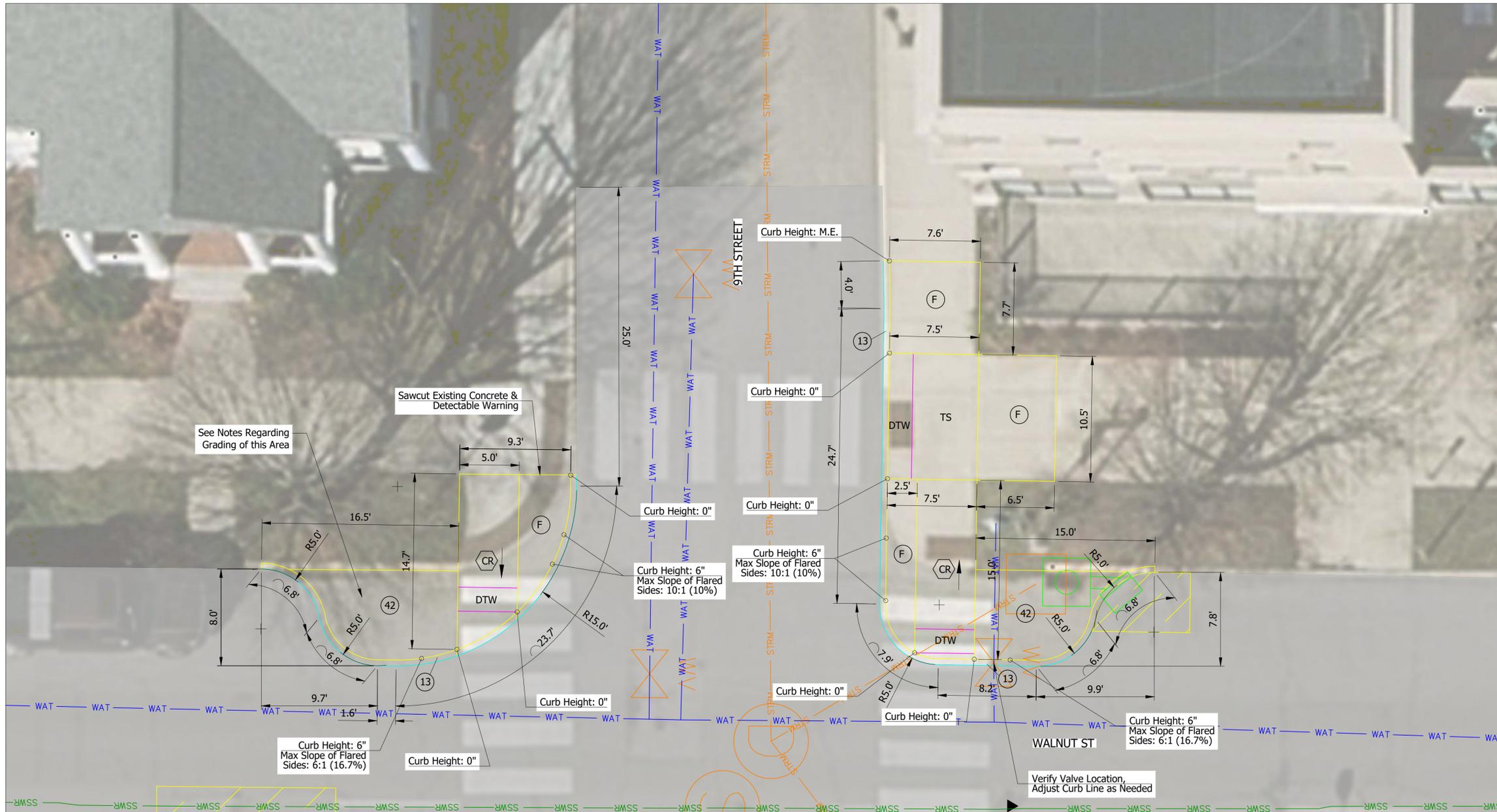


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**WALNUT ST RESURFACING**  
**4TH STREET TO 11TH STREET**  
**EXCEPTIONS AT 7TH & 11TH STREET**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	17 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



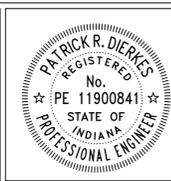
**CURB RAMP DETAILS**  
**NORTHWEST AND SOUTHWEST CORNER WALNUT STREET AND 9TH STREET**  
 Scale: 1"=5'



- Notes:**
- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the 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.
  - All exposed curb faces shall be finished. Back of curbs in grass 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.

PLOTTED: Tuesday, July 2, 2024 5:43:43 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

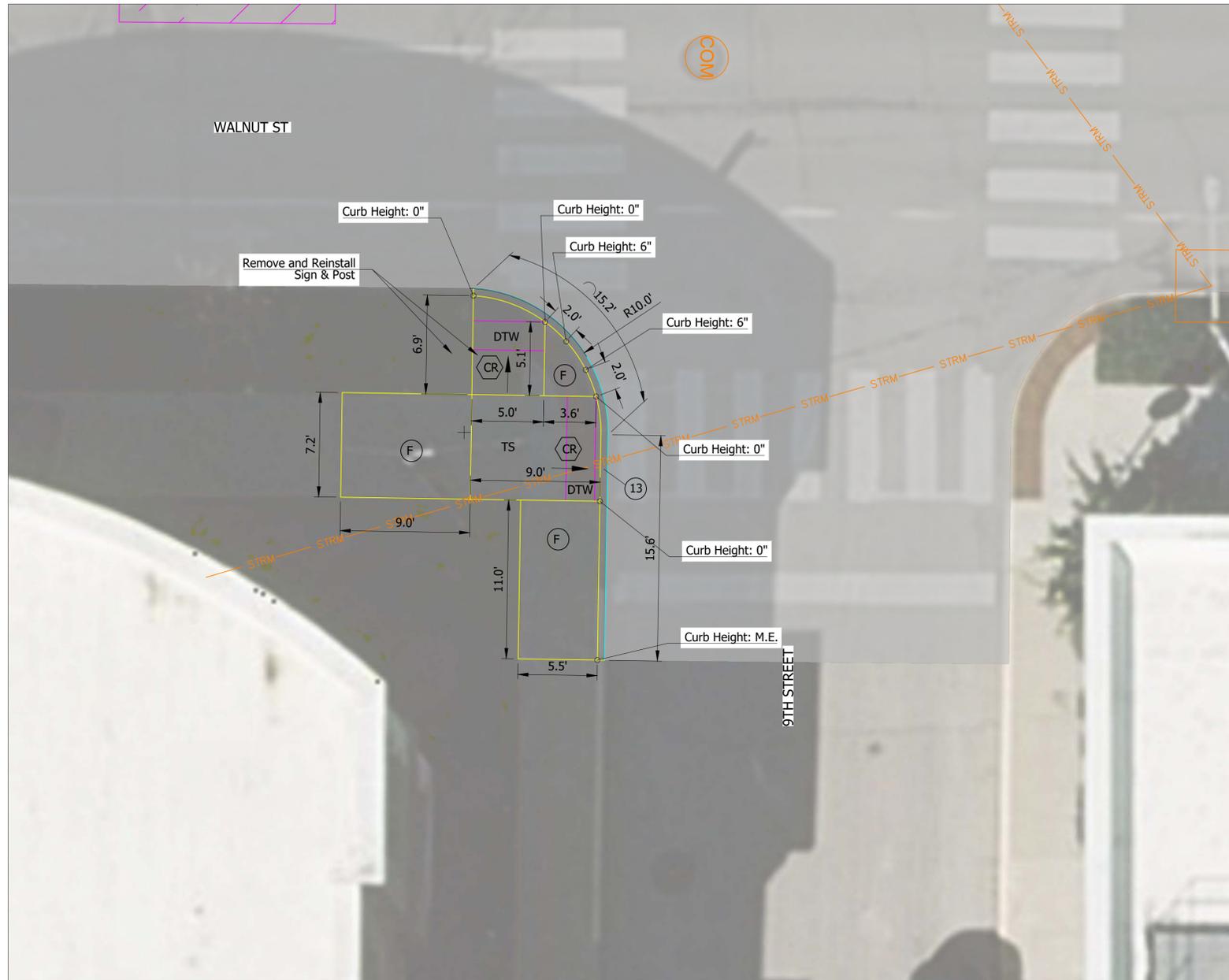


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

WALNUT ST RESURFACING  
 4TH STREET TO 11TH STREET  
 EXCEPTIONS AT 7TH & 11TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	18 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



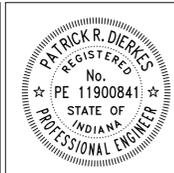
**CURB RAMP DETAILS**  
**SOUTHEAST CORNER WALNUT STREET AND 9TH STREET**  
 Scale: 1"=5'

**Notes:**

- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the 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.
- All exposed curb faces shall be finished. Back of curbs in grass 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.

PLOTTED: Tuesday, July 2, 2024 5:44:57 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

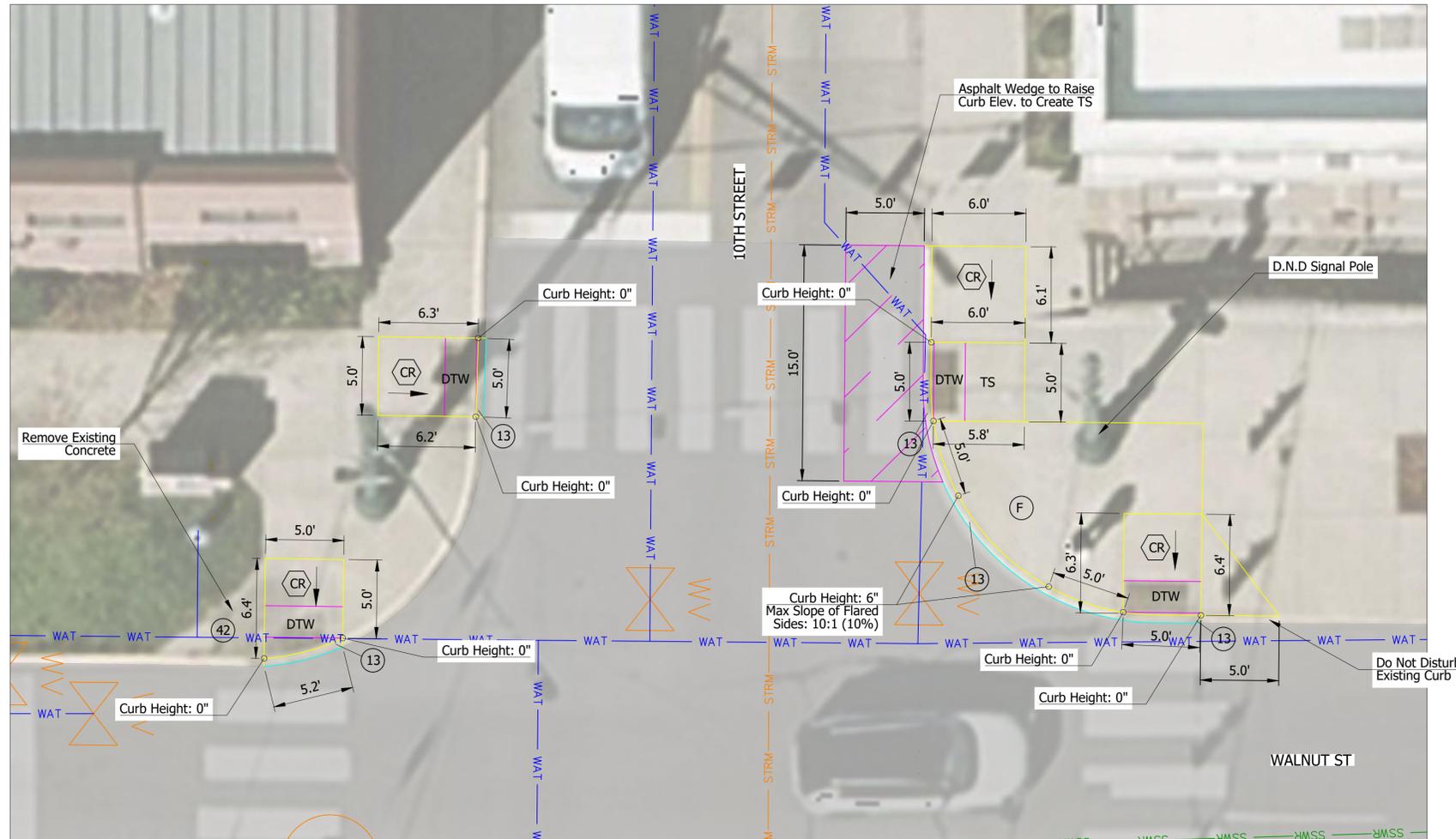


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
ENGINEER		DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

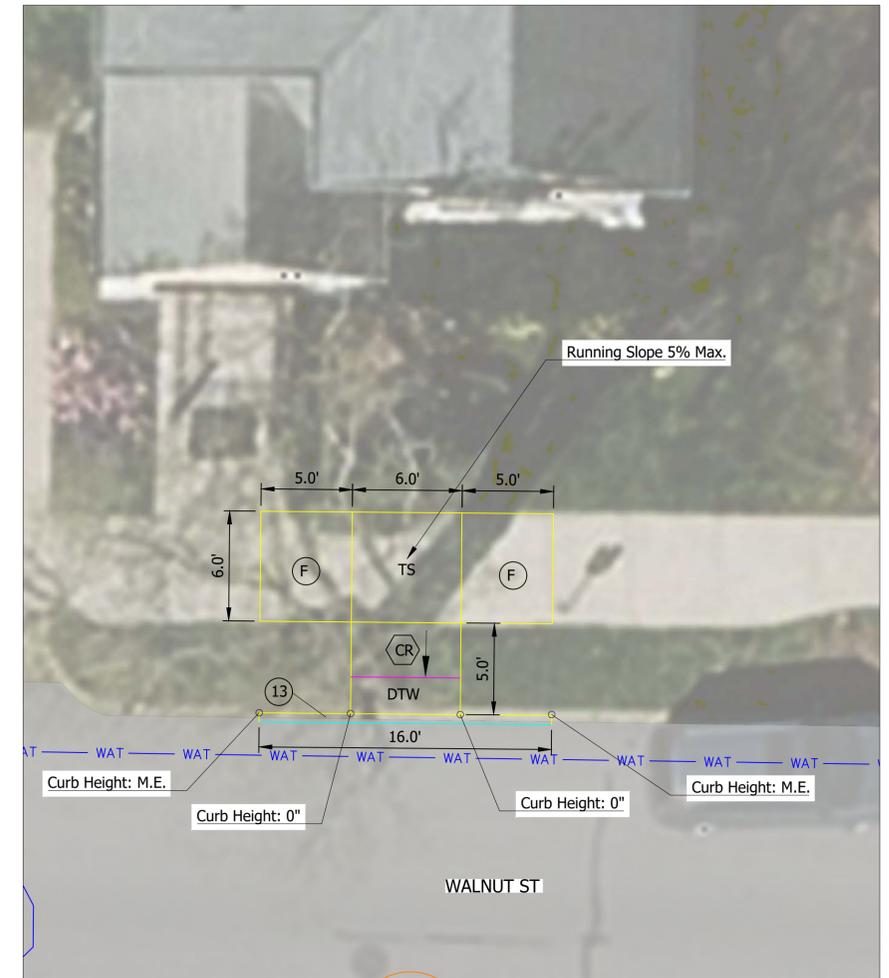
**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

WALNUT ST RESURFACING  
 4TH STREET TO 11TH STREET  
 EXCEPTIONS AT 7TH & 11TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	19 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



**CURB RAMP DETAILS**  
**NORTHWEST AND SOUTHWEST CORNER WALNUT STREET AND 10TH STREET**  
 Scale: 1"=5'

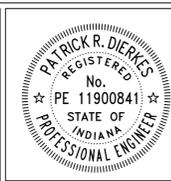


**CURB RAMP DETAILS**  
**WESTSIDE OF WALNUT STREET AND STA 42+20**  
 Scale: 1"=5'

- Notes:**
- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the 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.
  - All exposed curb faces shall be finished. Back of curbs in grass 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.

PLOTTED: Tuesday, July 2, 2024 5:46:07 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

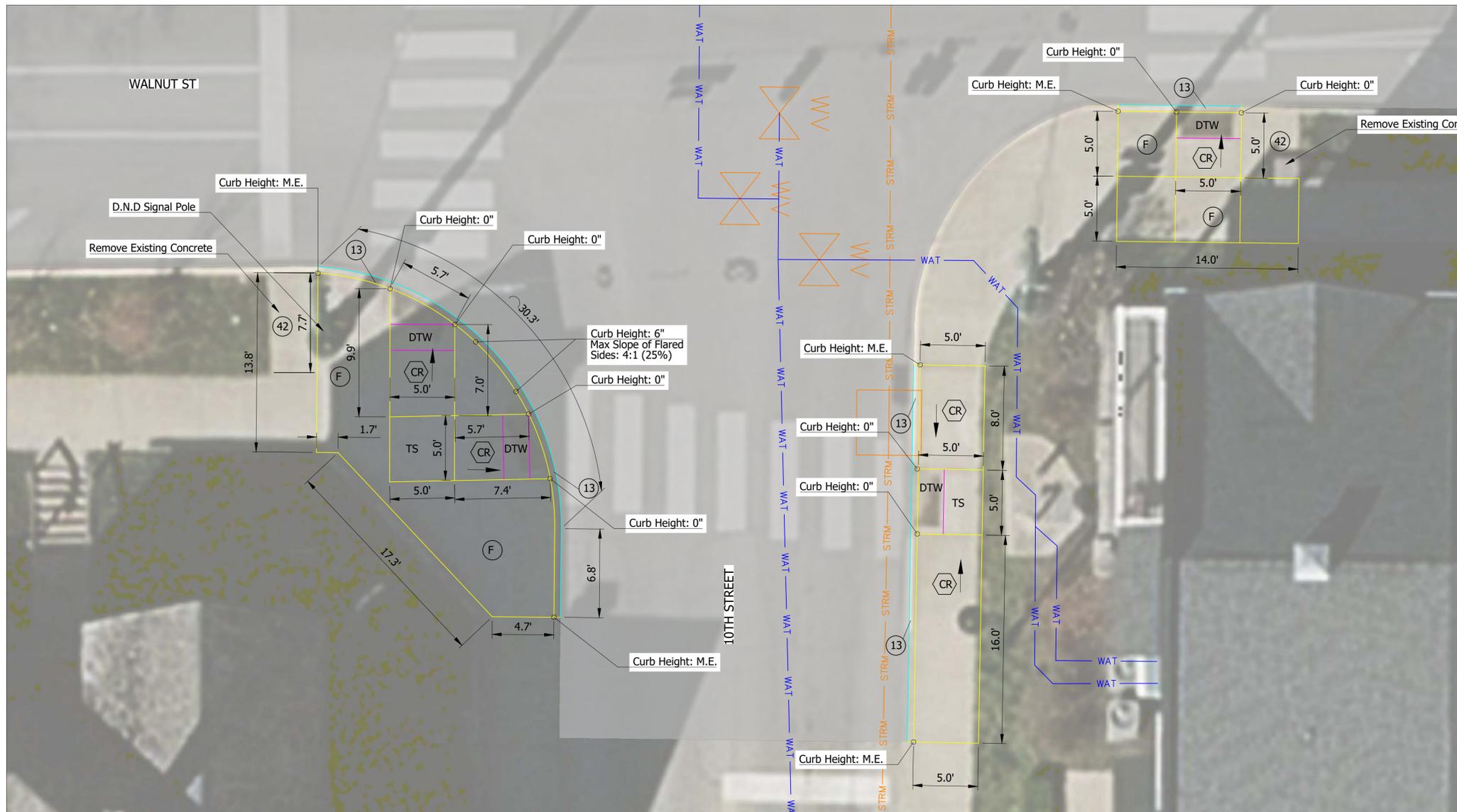


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

WALNUT ST RESURFACING  
 4TH STREET TO 11TH STREET  
 EXCEPTIONS AT 7TH & 11TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	20 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



**CURB RAMP DETAILS**  
**NORTHEAST AND SOUTHEAST CORNER WALNUT STREET AND 10TH STREET**  
 Scale: 1"=5'

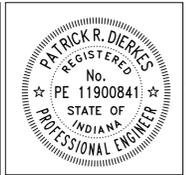


**Notes:**

- Dimensions and layouts shown are considered the maximum required to meet PROWAG requirements. If additional removal/reconstruction is required the Contractor shall notify the 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.
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- All exposed curb faces shall be finished. Back of curbs in grass 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.

PLOTTED: Tuesday, July 2, 2024 5:47:28 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

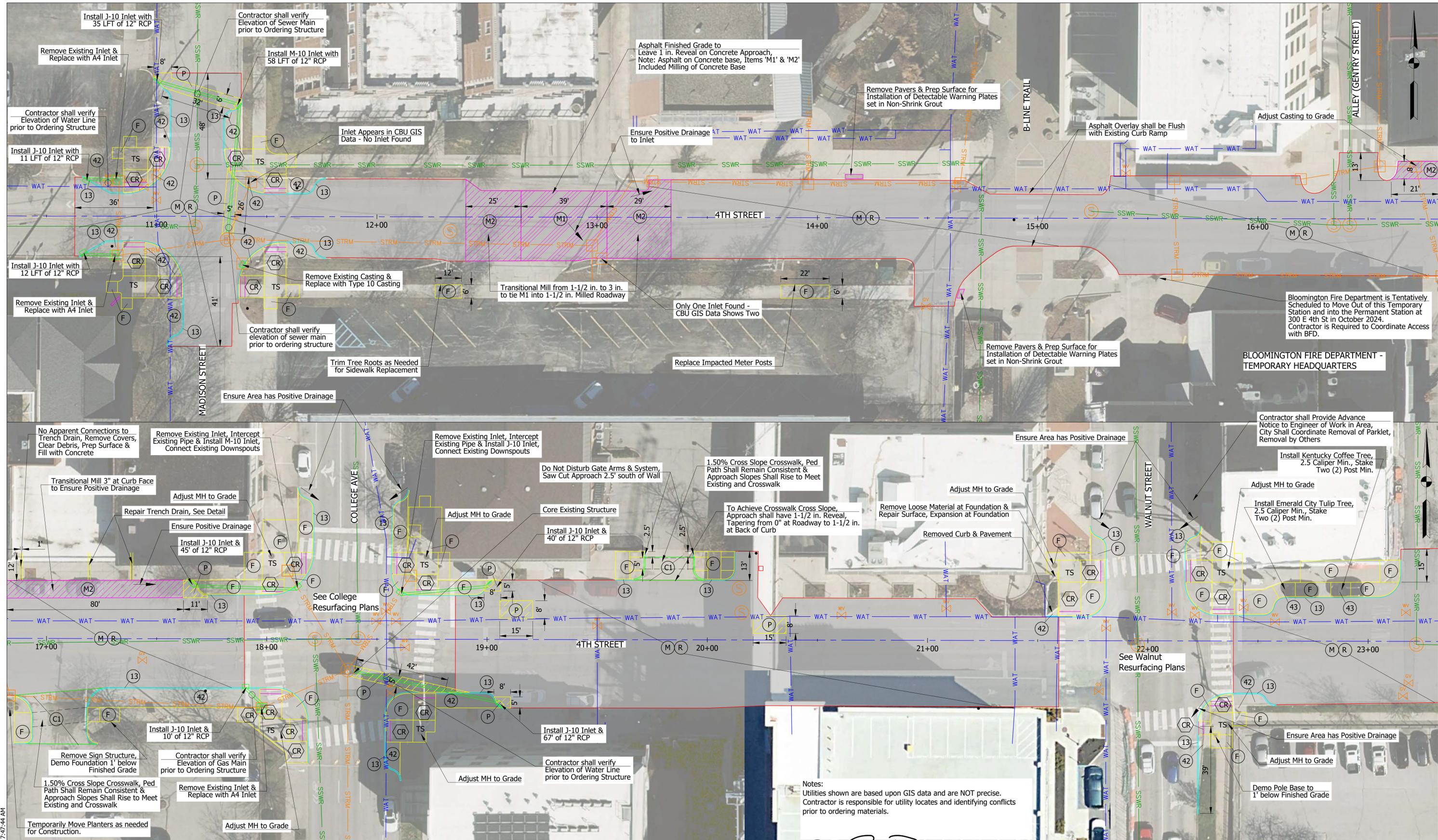


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

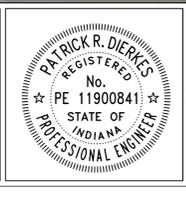
**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

WALNUT ST RESURFACING  
 4TH STREET TO 11TH STREET  
 EXCEPTIONS AT 7TH & 11TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	21 of 65
CONTRACT	PROJECT
N/A	WALNUT STREET RESURFACING



(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	(43)	Remove Pavement & Agg. Base, Backfill with B-Borrow, Backfill Tree Install with Topsoil, Cover 4" Deep Brown Mulch
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		



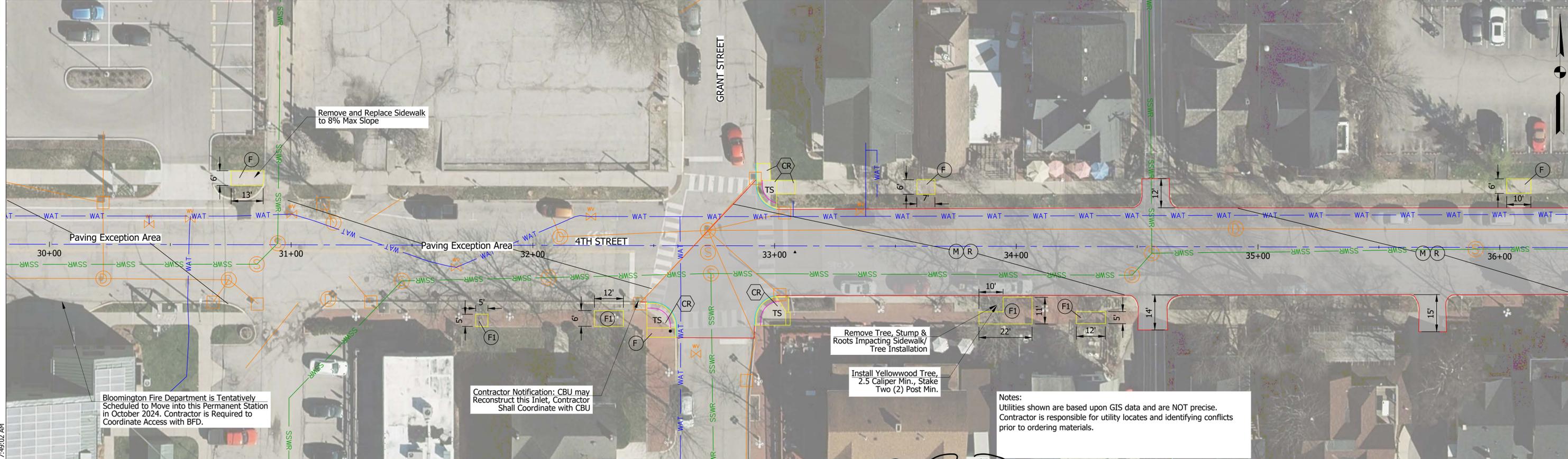
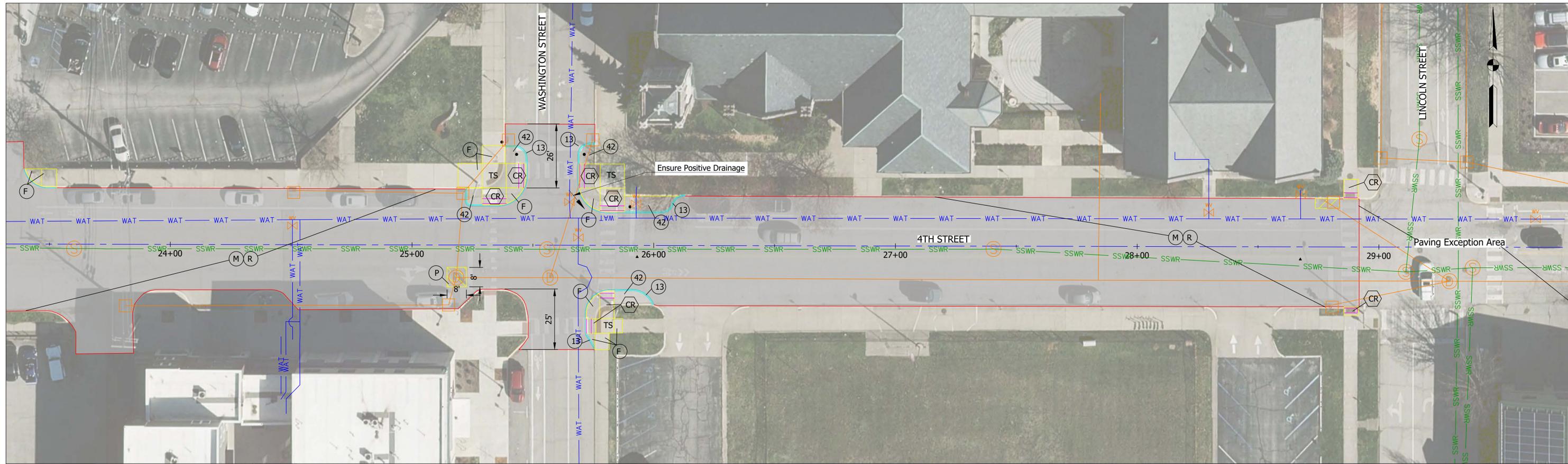
RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON ENGINEERING DEPARTMENT**

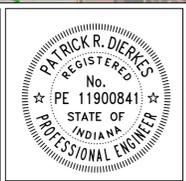
**4TH STREET RESURFACING  
MADISON ST TO INDIANA AVE - EXCEPTIONS:  
COLLEGE, WALNUT, LINCOLN TO GRANT**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	22 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING

PLOTTED: Tuesday, July 2, 2024 7:47:44 AM



(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 in. on 6 in. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	(43)	Remove Pavement & Agg. Base, Backfill with B-Borrow, Backfill Tree Install with Topsoil, Cover 4" Deep Brown Mulch
(F)	Sidewalk, Concrete, 4 In. on 4 in. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		



RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON ENGINEERING DEPARTMENT**

**4TH STREET RESURFACING  
MADISON ST TO INDIANA AVE - EXCEPTIONS:  
COLLEGE, WALNUT, LINCOLN TO GRANT**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	23 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING

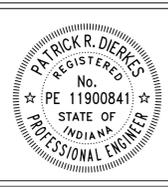
PLOTTED: Tuesday, July 2, 2024 7:46:02 AM



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

PLOTTED: Tuesday, July 2, 2024 7:50:26 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	(43)	Remove Pavement & Agg. Base, Backfill with B-Borrow, Backfill Tree Install with Topsoil, Cover 4" Deep Brown Mulch
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

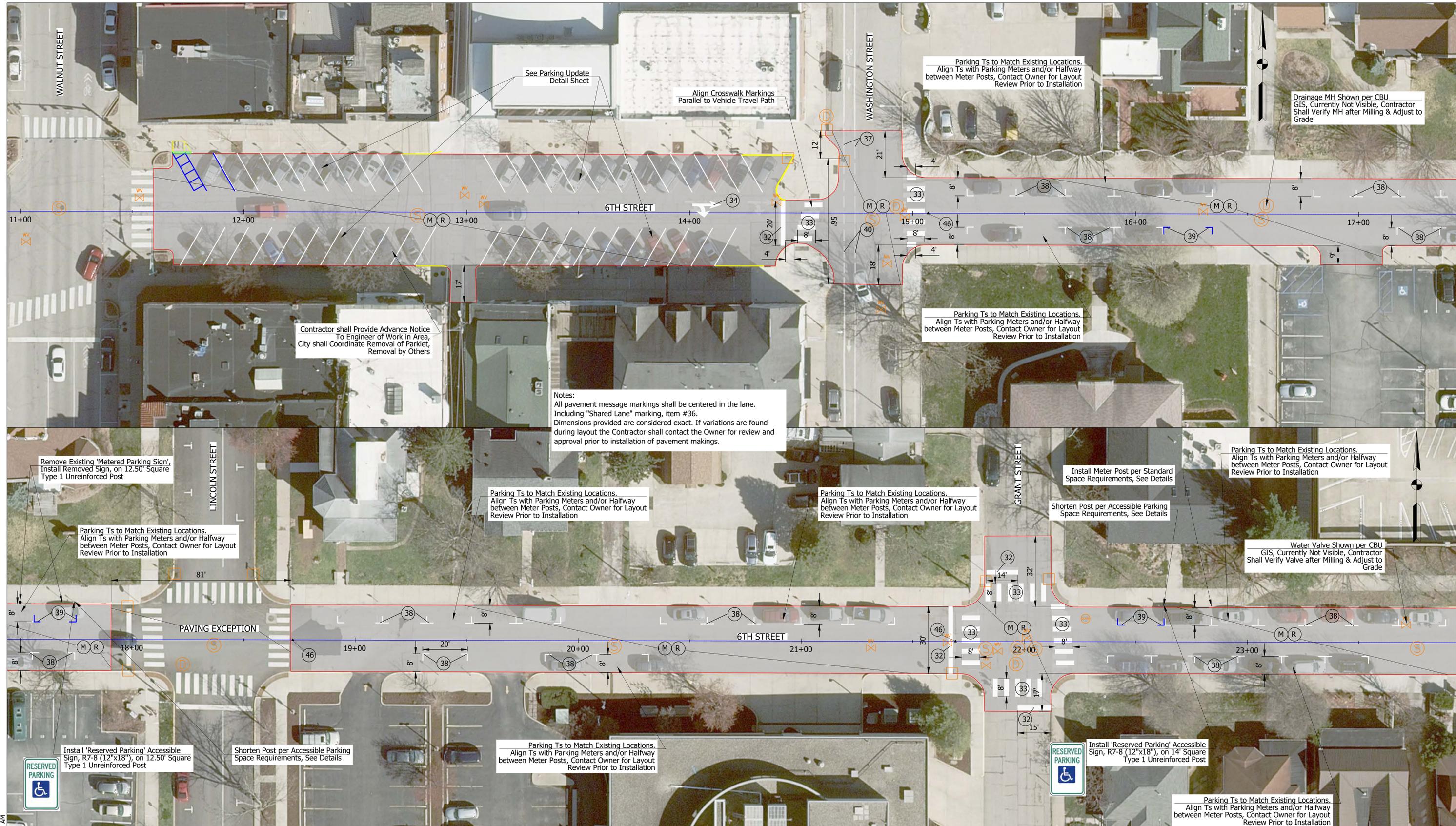


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

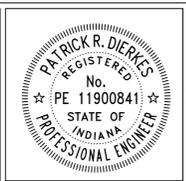
**CITY OF BLOOMINGTON ENGINEERING DEPARTMENT**

**4TH STREET RESURFACING  
 MADISON ST TO INDIANA AVE - EXCEPTIONS:  
 COLLEGE, WALNUT, LINCOLN TO GRANT**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	24 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING



(M)	Milling, Asphalt, 1-1/2 in.	(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm
(30)	Line, Thermoplastic, Solid, White, 4 in.	(35)	Pavement Message Markings, Thermoplastic, White, Bike Lane
(31)	Line, Thermoplastic, Solid, Yellow, 4 in.	(36)	Pavement Message Markings, Thermoplastic, White, Shared Lane
(32)	Transverse Markings, Thermoplastic, Stop Bar, White 24 in.	(37)	Line, Thermoplastic, Solid, White, 6 in.
(33)	Transverse Markings, Thermoplastic, Crosswalk Line, White 24 in. @ 5' O.C.	(38)	Line, Thermoplastic, Solid, White, 4 in. - Parking T's 3'x3'
(34)	Pavement Message Markings, Thermoplastic, White, Arrow	(39)	Line, Thermoplastic, Solid, Blue, 4 in. - Parking T's 3'x3'
		(40)	Line, Thermoplastic, Dashed, White, 6 in.
		(41)	Line, Thermoplastic, Dotted, White, 4 in.
		(44)	Line, Thermoplastic, Solid, White, 4 in., Parking
		(46)	Snowplowable Raised Pavement Marker, Blue



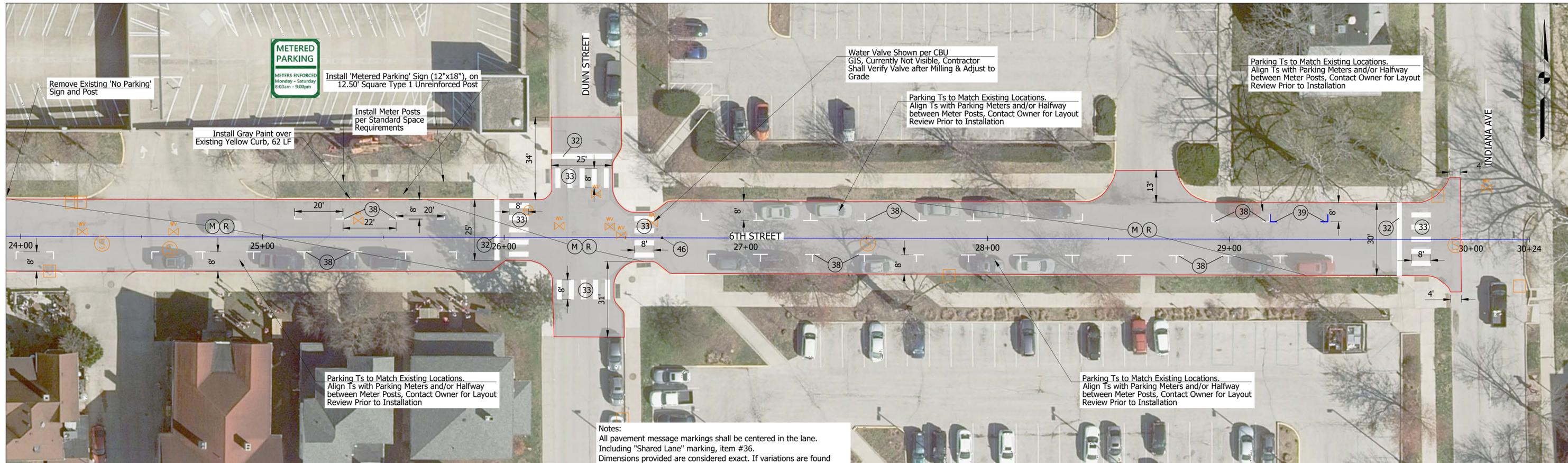
RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON ENGINEERING DEPARTMENT**

**6TH STREET RESURFACING WALNUT ST TO INDIANA AVE**

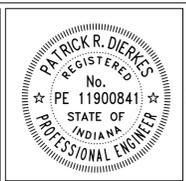
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	25 of 65
CONTRACT	PROJECT
N/A	6TH STREET RESURFACING

PLOTTED: Tuesday, July 2, 2024 11:51:33 AM



PLOTTED: Tuesday, July 2, 2024 11:53:42 AM

(M)	Milling, Asphalt, 1-1/2 in.	(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm
(30)	Line, Thermoplastic, Solid, White, 4 in.	(35)	Pavement Message Markings, Thermoplastic, White, Bike Lane
(31)	Line, Thermoplastic, Solid, Yellow, 4 in.	(36)	Pavement Message Markings, Thermoplastic, White, Shared Lane
(32)	Transverse Markings, Thermoplastic, Stop Bar, White 24 in.	(37)	Line, Thermoplastic, Solid, White, 6 in.
(33)	Transverse Markings, Thermoplastic, Crosswalk Line, White 24 in. @ 5' O.C.	(38)	Line, Thermoplastic, Solid, White, 4 in. - Parking T's 3'x3'
(34)	Pavement Message Markings, Thermoplastic, White, Arrow	(39)	Line, Thermoplastic, Solid, Blue, 4 in. - Parking T's 3'x3'
(40)	Line, Thermoplastic, Dashed, White, 6 in.	(41)	Line, Thermoplastic, Dotted, White, 4 in.
(42)	Line, Thermoplastic, Solid, White, 4 in., Parking	(46)	Snowplowable Raised Pavement Marker, Blue

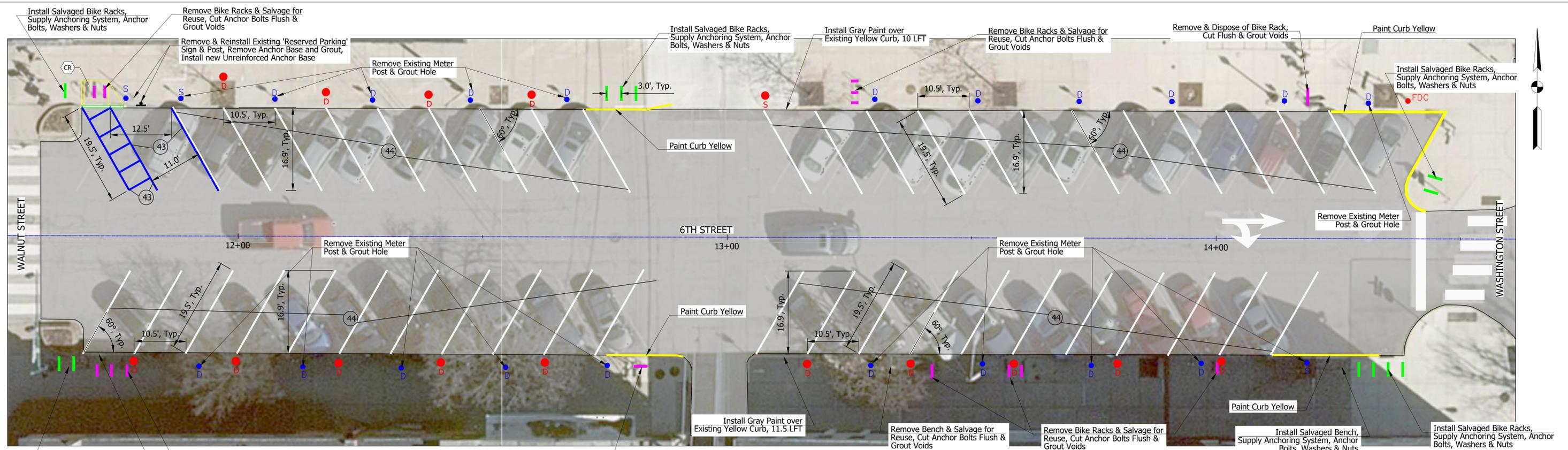


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT**

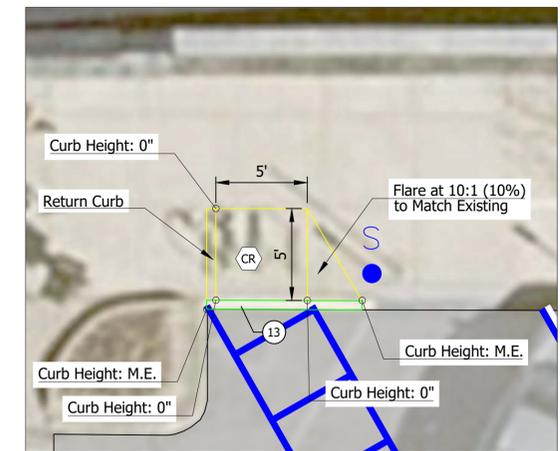
**6TH STREET RESURFACING  
WALNUT ST TO INDIANA AVE**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	26 of 65
CONTRACT	PROJECT
N/A	6TH STREET RESURFACING



**PARKING LAYOUT & PARKING METER UPDATES**  
40 TOTAL SPACES

Notes:  
Installation of meter heads and changes to meter head types is by others. Contractor responsible for providing meter posts per the standard detail.

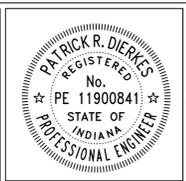


**ACCESSIBLE SPACE CURB RAMP DETAILS**  
NORTHEAST CORNER 6TH STREET AND WALNUT STREET  
Scale: 1"=5'

- Existing Bike Rack Locations
- Proposed Bike Rack Locations
- Existing Single Head Meter
- Proposed Single Head Meter
- Existing Double Head Meter
- Proposed Double Head Meter
- CR Curb Ramp, Concrete
- 13 Concrete Curb
- DTW Detectable Warning Plate, Cast Iron

PLOTTED: Tuesday, July 2, 2024 12:58:48 PM

30	Line, Thermoplastic, Solid, White, 4 in.	35	Pavement Message Markings, Thermoplastic, White, Bike Lane	40	Line, Thermoplastic, Dashed, White, 6 in.
31	Line, Thermoplastic, Solid, Yellow, 4 in.	36	Pavement Message Markings, Thermoplastic, White, Shared Lane	41	Line, Thermoplastic, Dotted, White, 4 in.
32	Transverse Markings, Thermoplastic, Stop Bar, White 24 in.	37	Line, Thermoplastic, Solid, White, 6 in.	43	Line, Thermoplastic, Solid, Blue, 4 in.
33	Transverse Markings, Thermoplastic, Crosswalk Line, White 24 in. @ 5' O.C.	38	Line, Thermoplastic, Solid, White, 4 in. - Parking T's 3'x3'	44	Line, Thermoplastic, Solid, White, 4 in., Parking
34	Pavement Message Markings, Thermoplastic, White, Arrow	39	Line, Thermoplastic, Solid, Blue, 4 in. - Parking T's 3'x3'		

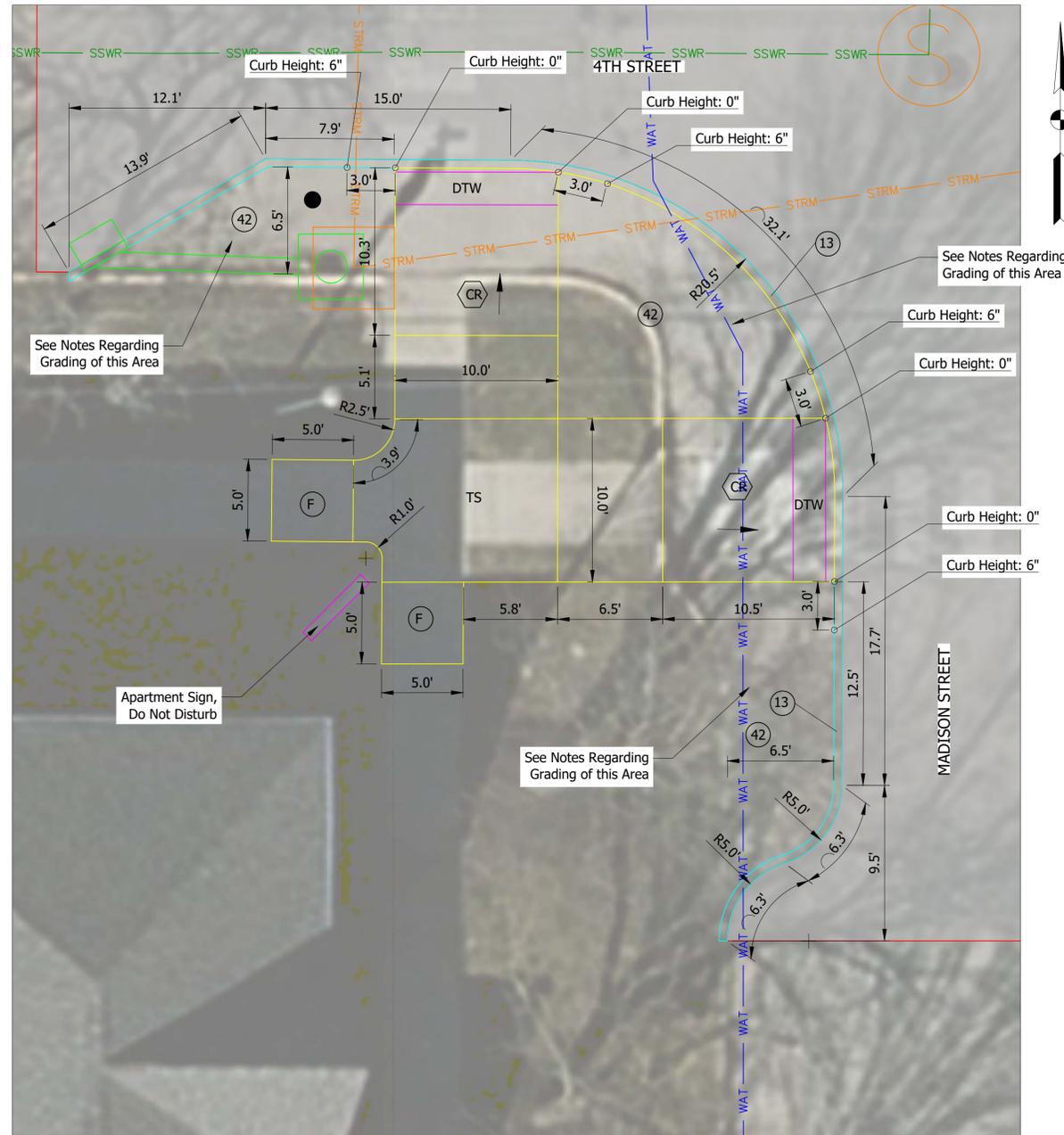


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

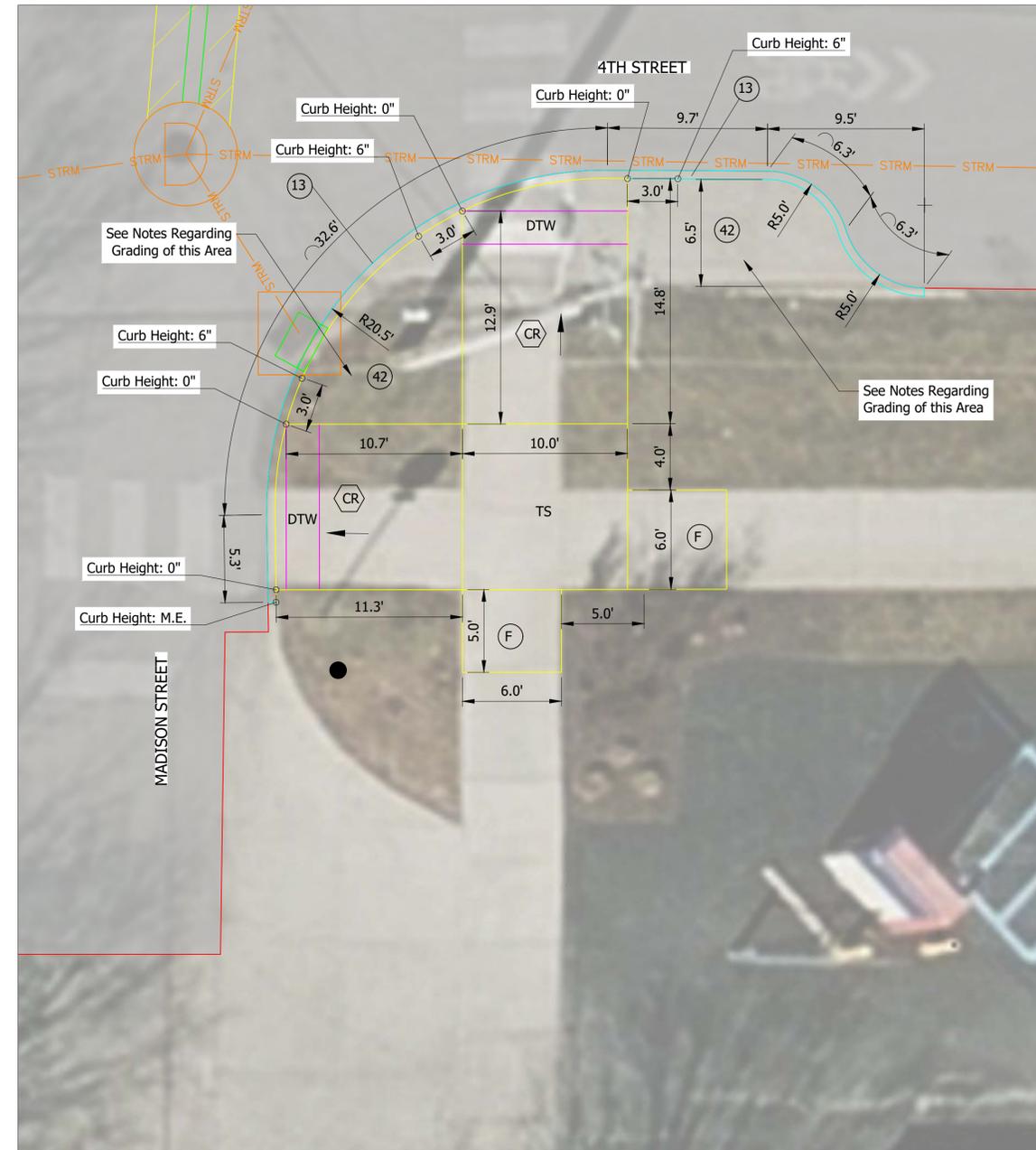
**CITY OF BLOOMINGTON ENGINEERING DEPARTMENT**  
6TH STREET RESURFACING  
WALNUT TO WASHINGTON PARKING UPDATE  
41 TOTAL SPACES

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	27 of 65
CONTRACT	PROJECT
N/A	6TH STREET RESURFACING





**CURB RAMP DETAILS**  
**SOUTHWEST CORNER 4TH STREET AND MADISON STREET**  
 Scale: 1"=5'

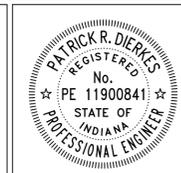


**CURB RAMP DETAILS**  
**SOUTHEAST CORNER 4TH STREET AND MADISON STREET**  
 Scale: 1"=5'

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

PLOTTED: Tuesday, July 2, 2024 7:52:44 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

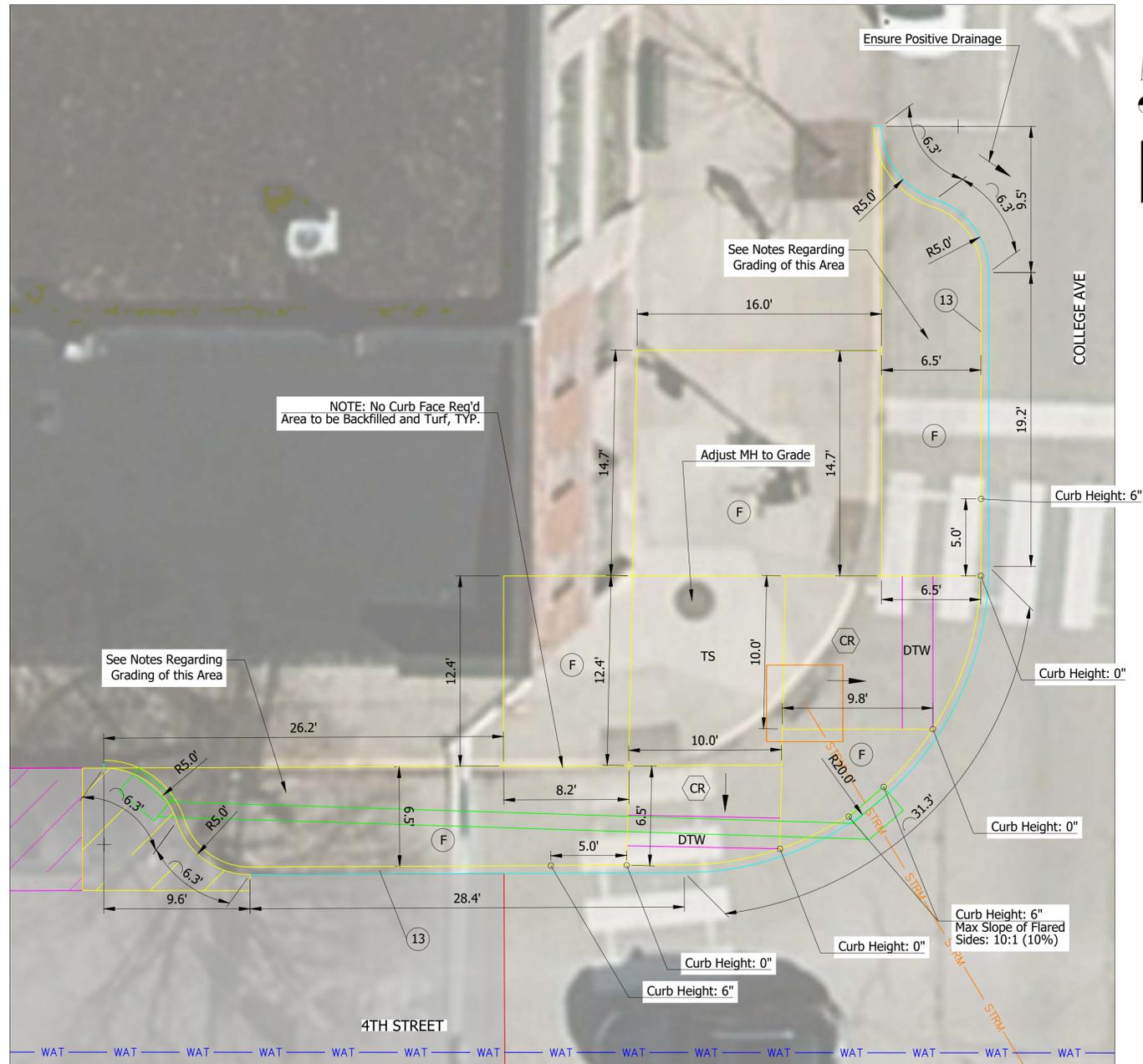


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

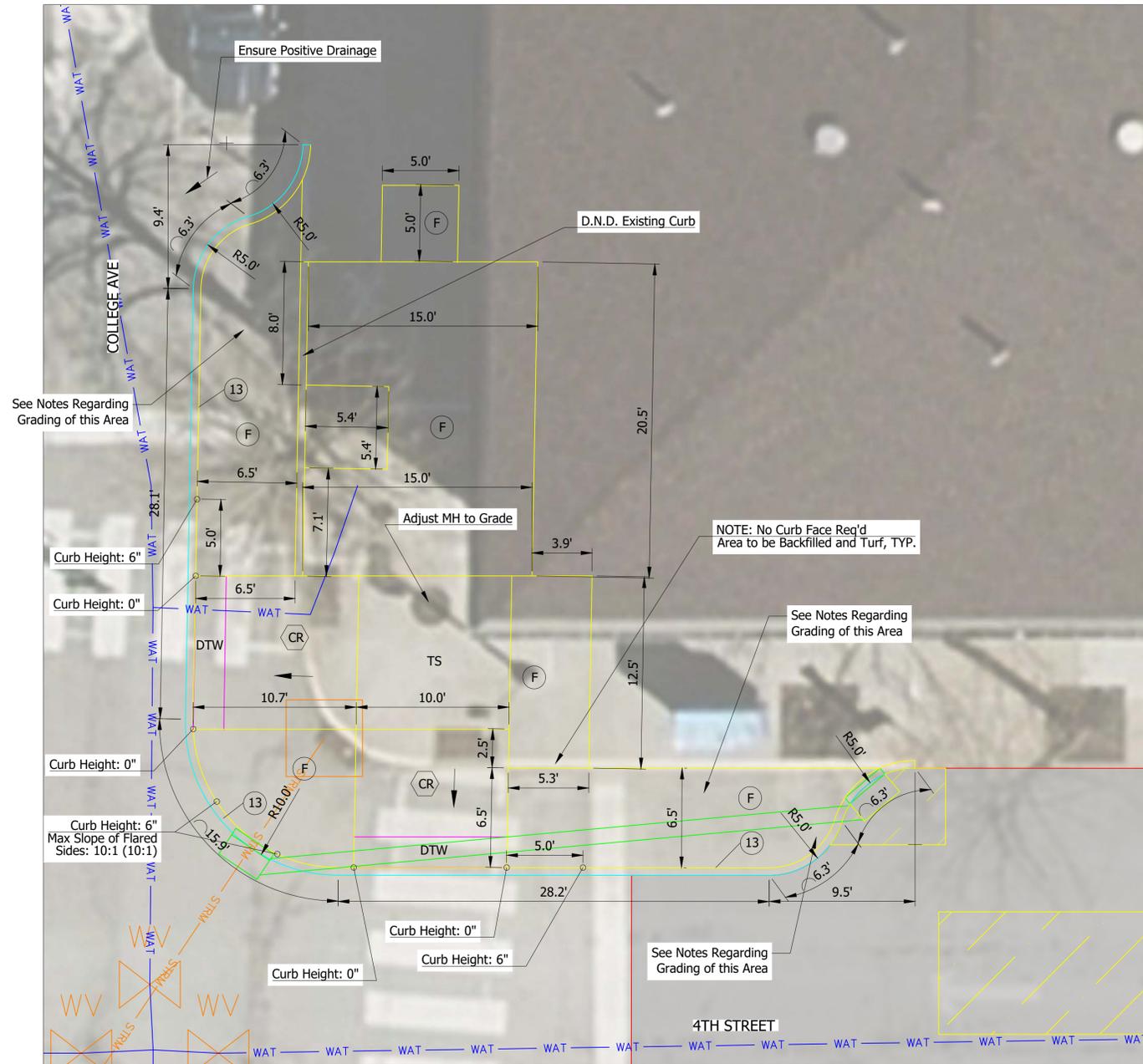
**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**4TH STREET RESURFACING**  
**MADISON ST TO INDIANA AVE - EXCEPTIONS:**  
**COLLEGE, WALNUT, LINCOLN TO GRANT**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	29 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING



**CURB RAMP DETAILS**  
**NORTHWEST CORNER 4TH STREET AND COLLEGE AVENUE**  
 Scale: 1"=5'

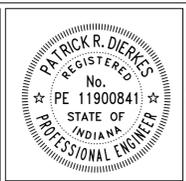


**CURB RAMP DETAILS**  
**NORTHEAST CORNER 4TH STREET AND COLLEGE AVENUE**  
 Scale: 1"=5'

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

PLOTTED: Tuesday, July 2, 2024 8:00:36 AM

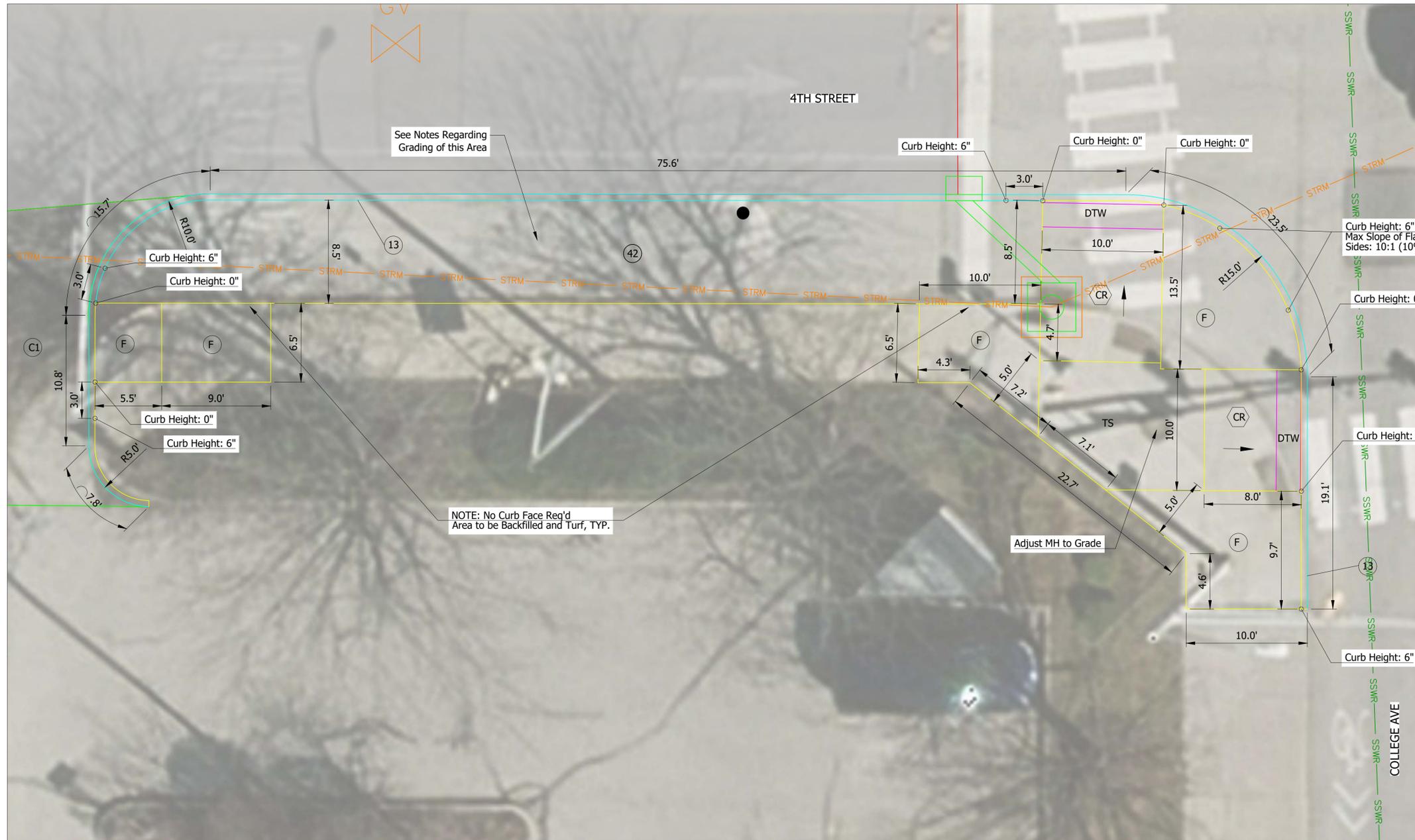
(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		



RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**  
 4TH STREET RESURFACING  
 MADISON ST TO INDIANA AVE - EXCEPTIONS:  
 COLLEGE, WALNUT, LINCOLN TO GRANT

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	30 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING



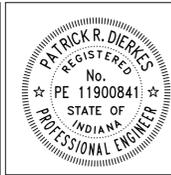
**CURB RAMP DETAILS**  
**SOUTHWEST CORNER 4TH STREET AND COLLEGE AVENUE**  
 Scale: 1"=5'

**Notes:**

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

PLOTTED: Tuesday, July 2, 2024 8:01:14 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

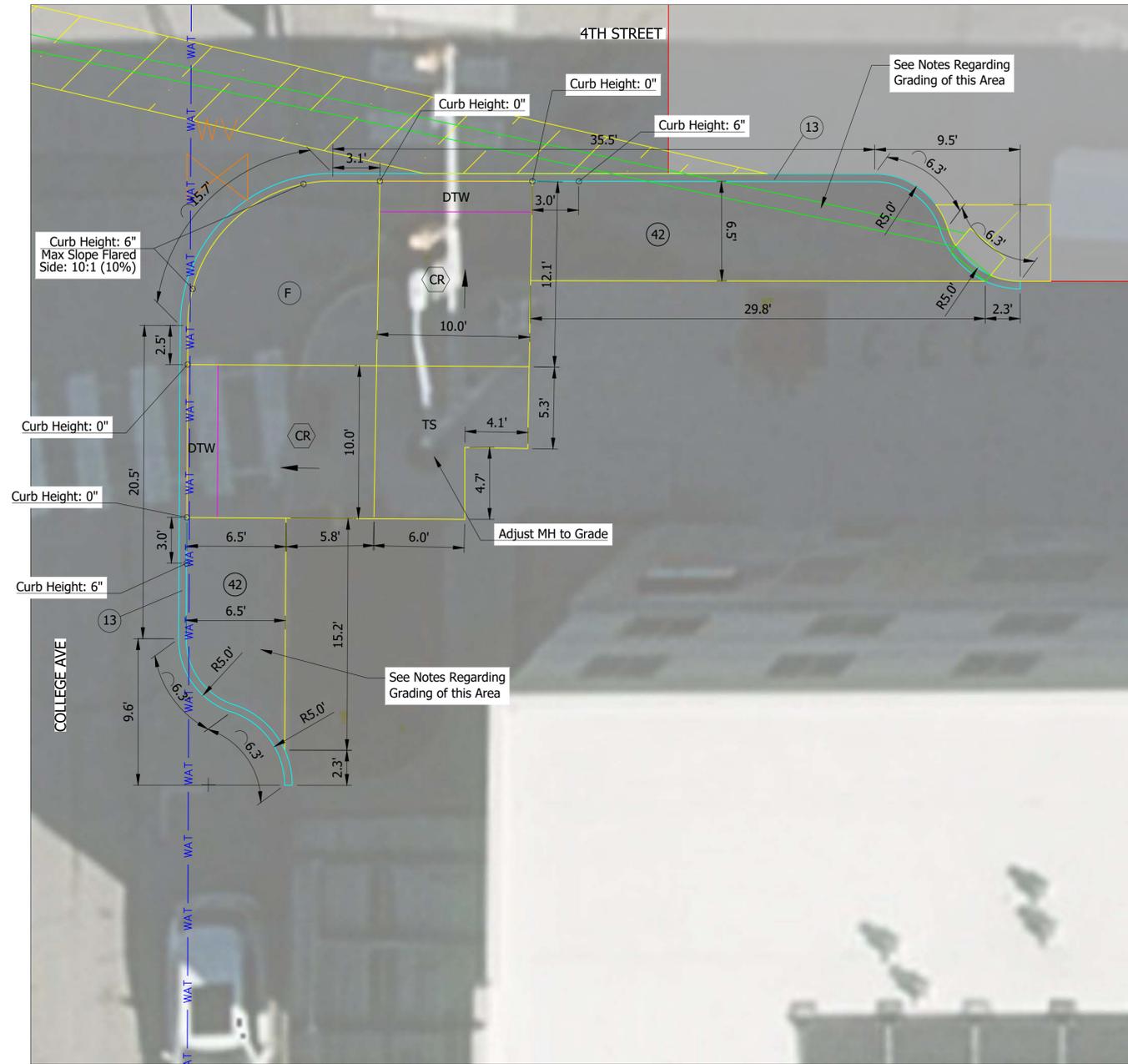


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
	ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED: NK	CHECKED:	

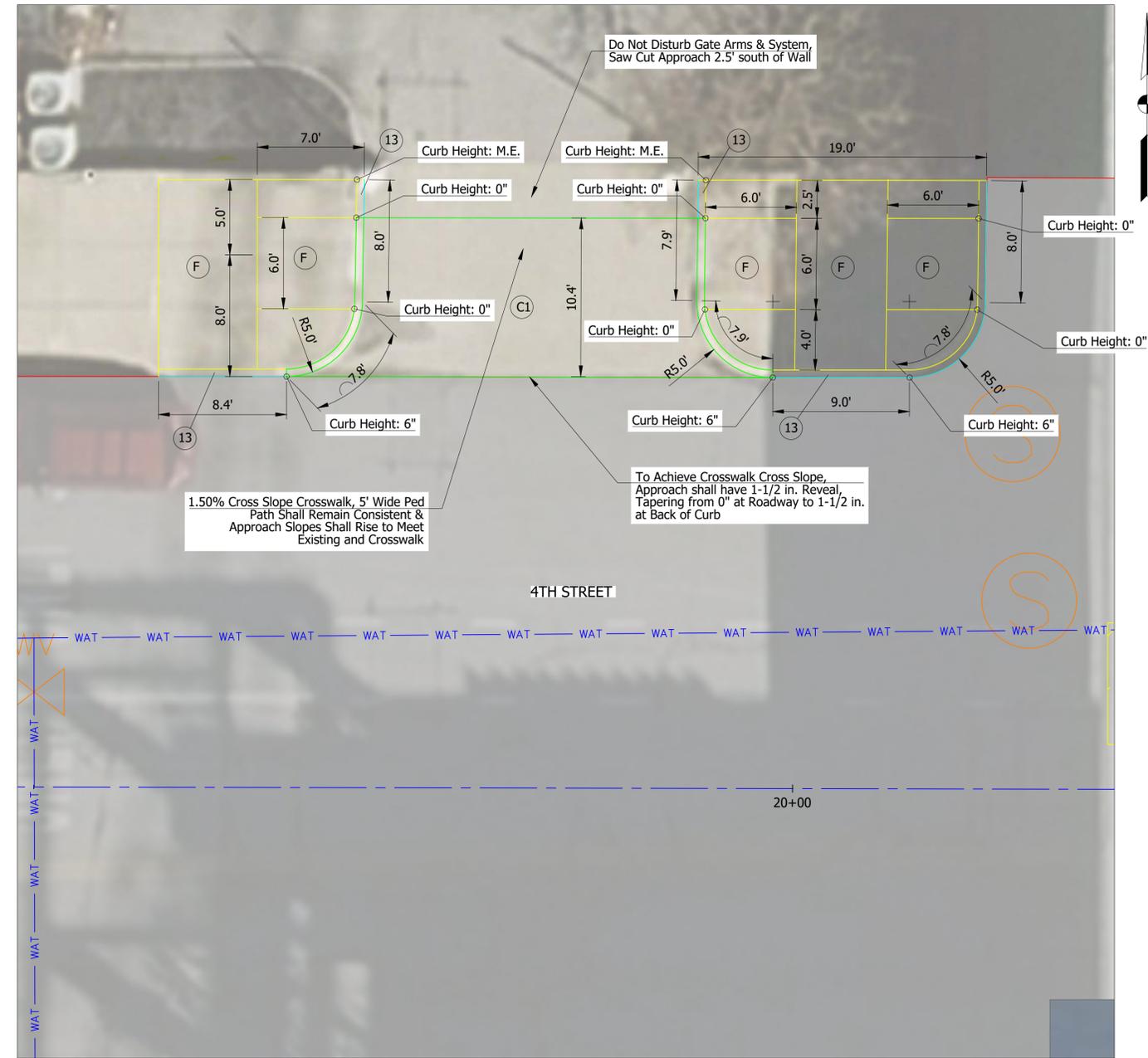
**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

4TH STREET RESURFACING  
 MADISON ST TO INDIANA AVE - EXCEPTIONS:  
 COLLEGE, WALNUT, LINCOLN TO GRANT

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	31 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING



**CURB RAMP DETAILS**  
**SOUTHEAST CORNER 4TH STREET AND COLLEGE AVENUE**  
 Scale: 1"=5'

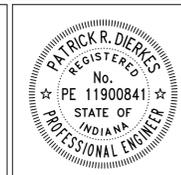


**CURB RAMP DETAILS**  
**NORTH 4TH STREET STA 19+58 TO 20+13**  
 Scale: 1"=5'

- Notes:
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  - 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 pedestrian circulation routes shall not exceed 10.0%. In non-pedestrian circulation routes flares shall not exceed 25.0%.
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PLOTTED: Tuesday, July 2, 2024 8:05:09 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 in. on 6 in. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 in. on 4 in. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 in.		



RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

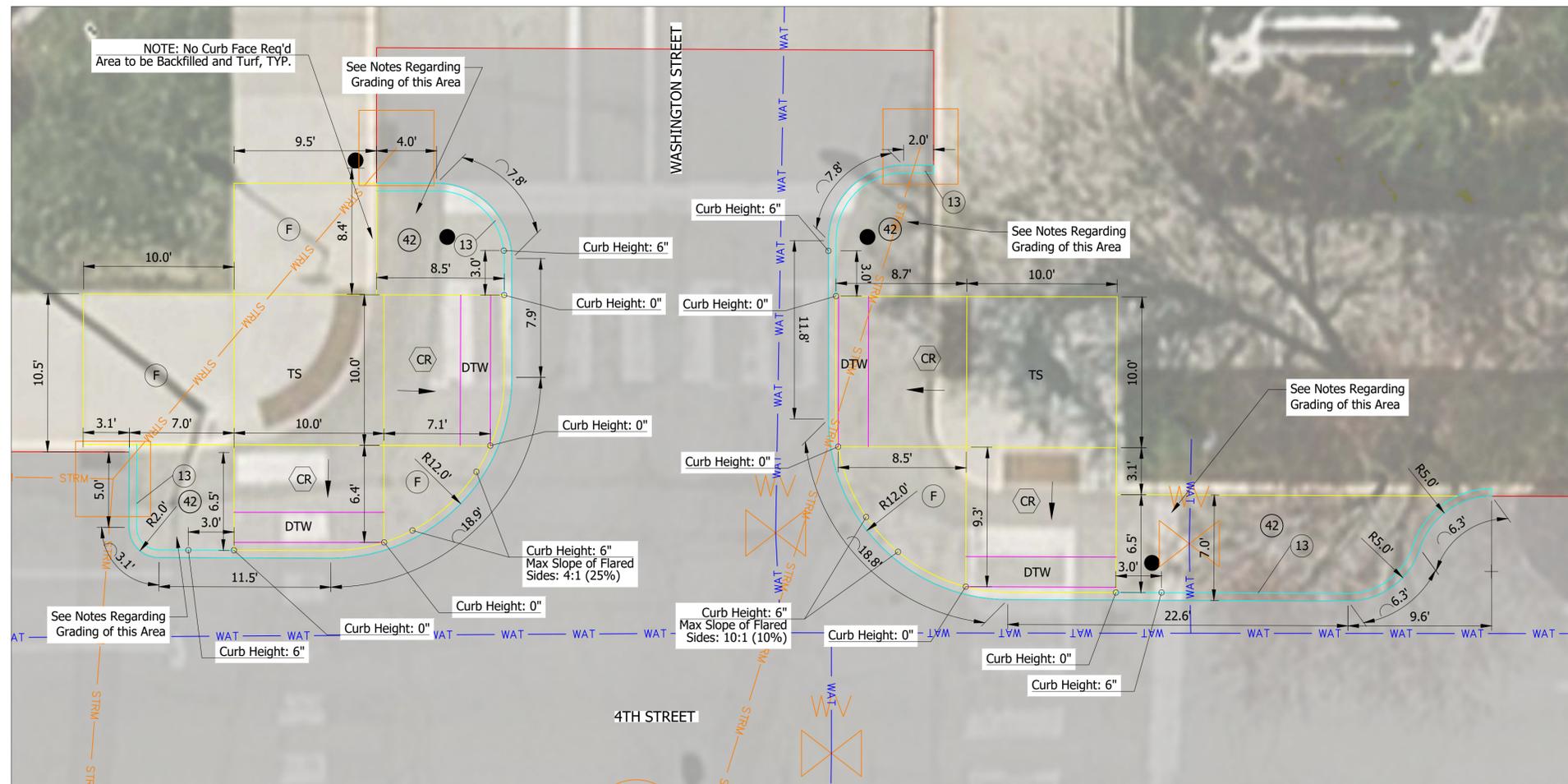
**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**4TH STREET RESURFACING**  
**MADISON ST TO INDIANA AVE - EXCEPTIONS:**  
**COLLEGE, WALNUT, LINCOLN TO GRANT**

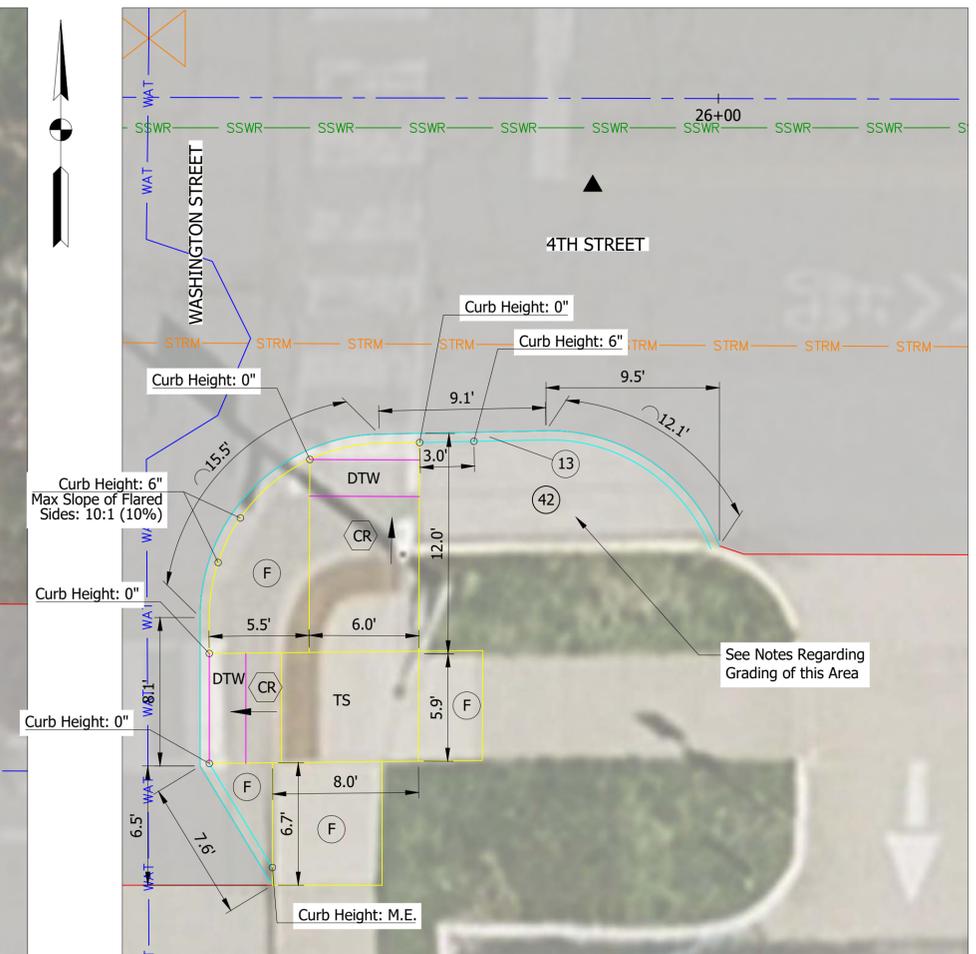
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	32 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING



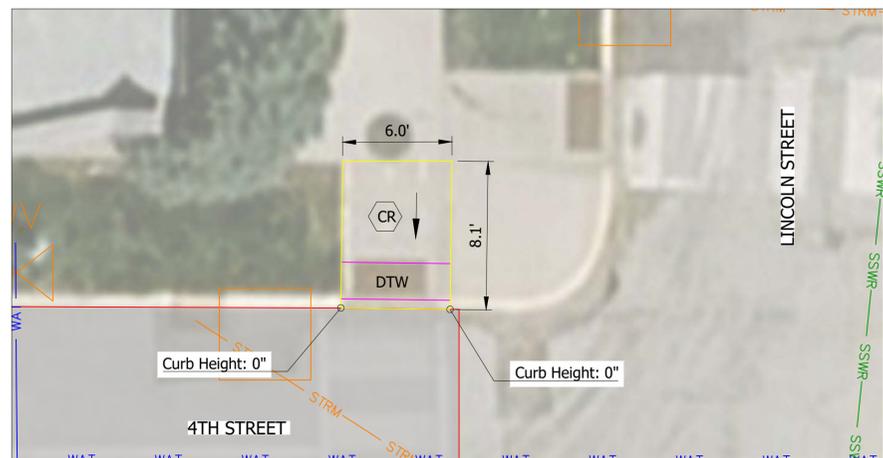




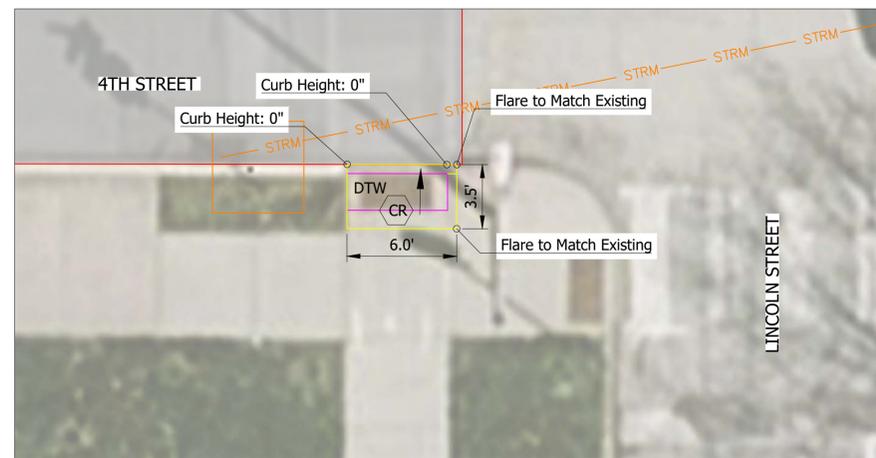
**CURB RAMP DETAILS**  
**NORTHWEST/NORTHEAST CORNER 4TH STREET AND WASHINGTON STREET**  
 Scale: 1"=5'



**CURB RAMP DETAILS**  
**SOUTHEAST CORNER 4TH STREET AND WASHINGTON STREET**  
 Scale: 1"=5'



**CURB RAMP DETAILS**  
**NORTHWEST CORNER 4TH STREET AND LINCOLN STREET**  
 Scale: 1"=5'



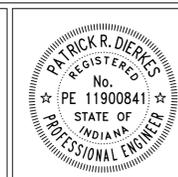
**CURB RAMP DETAILS**  
**NORTHWEST CORNER 4TH STREET AND LINCOLN STREET**  
 Scale: 1"=5'

**Notes:**

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- 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 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.
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PLOTTED: Tuesday, July 2, 2024 8:14:19 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 in. on 6 in. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 in. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

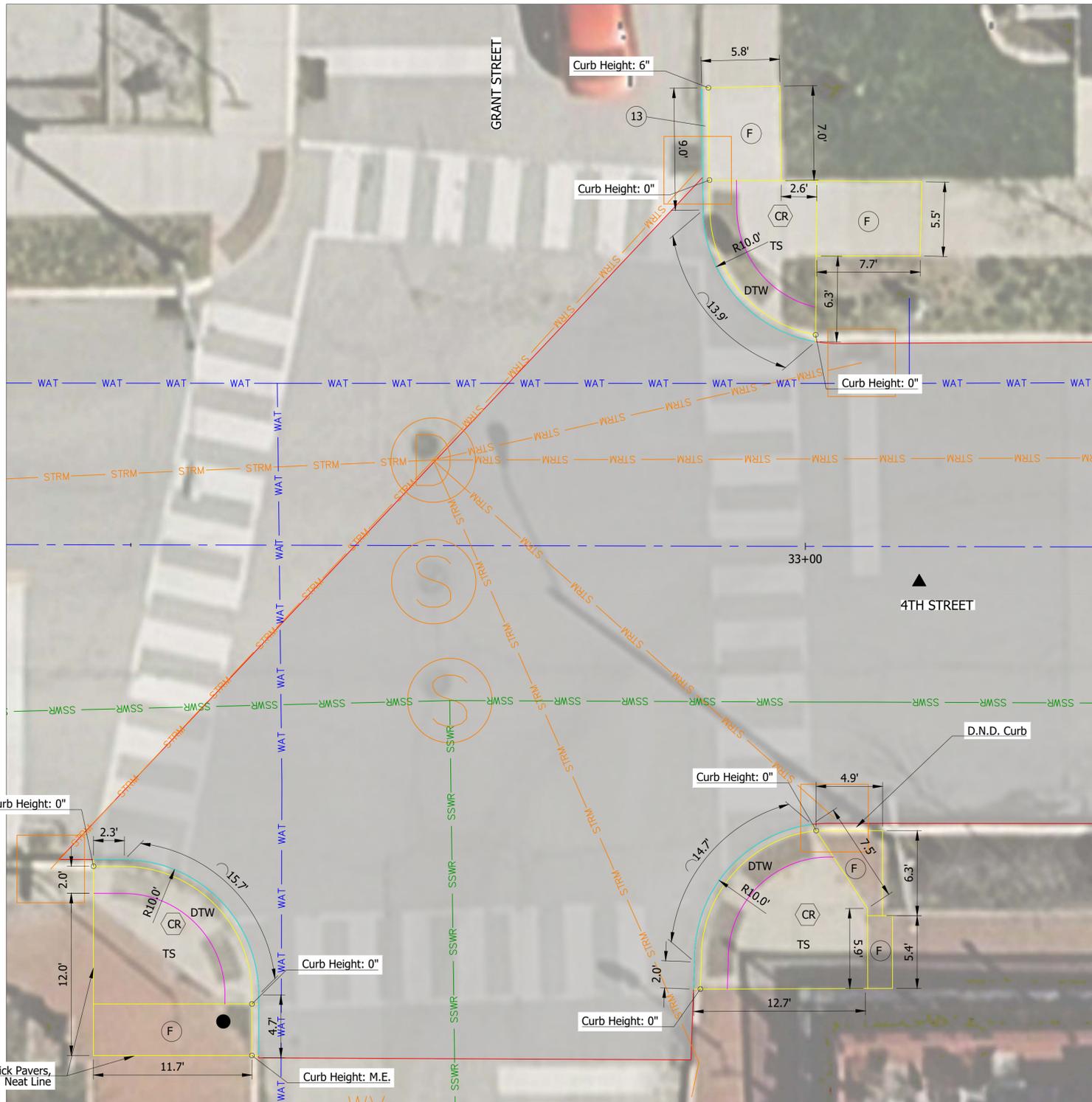


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

**4TH STREET RESURFACING**  
**MADISON ST TO INDIANA AVE - EXCEPTIONS:**  
**COLLEGE, WALNUT, LINCOLN TO GRANT**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	35 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING



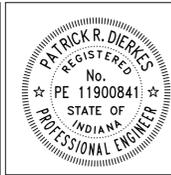
**CURB RAMP DETAILS**  
**4TH STREET AND GRANT STREET**  
 Scale: 1"=5'

**Notes:**

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PLOTTED: Tuesday, July 2, 2024 8:16:25 AM

(M)	Milling, Asphalt, 1-1/2 in.	(CR)	Curb Ramp, Concrete	TS	Turning Space, 1.50% Ea. Way Desirable, 2.00% Max.
(M1)	Milling, Asphalt, 3 in.	(C1)	PCCP for Approaches, 9 In. on 6 In. #53 Compacted Agg.	(42)	Remove Pavement & Agg. Base, Backfill with B-Borrow & 4" Topsoil, Mulch Seed
(M2)	Transitional Milling, Asphalt, 1-1/2 to 3 in.	(13)	Concrete Curb	(F1)	Brick Sidewalk Removal and Replacement, See Detail
(R)	165 #/syd HMA Surface, Type 3, 64, 9.5 mm	(15)	Concrete Curb and Gutter, Modified	DTW	Detectable Warning Plate, Cast Iron
(F)	Sidewalk, Concrete, 4 In. on 4 In. #53 Compacted Agg.	(P)	Patch, 165 #/syd HMA Surface, ON PCCP, 9 In.		

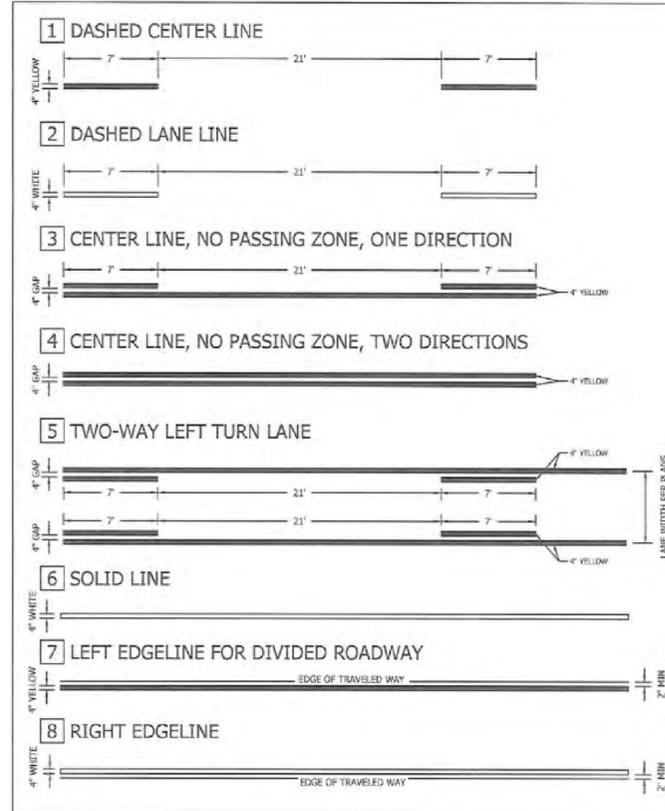


RECOMMENDED FOR APPROVAL	<i>Patrick R. Dierkes</i>	07/02/2024
DESIGNED: PRD	DRAWN: PRD	DATE
CHECKED: NK	CHECKED:	

**CITY OF BLOOMINGTON**  
**ENGINEERING DEPARTMENT**

4TH STREET RESURFACING  
 MADISON ST TO INDIANA AVE - EXCEPTIONS:  
 COLLEGE, WALNUT, LINCOLN TO GRANT

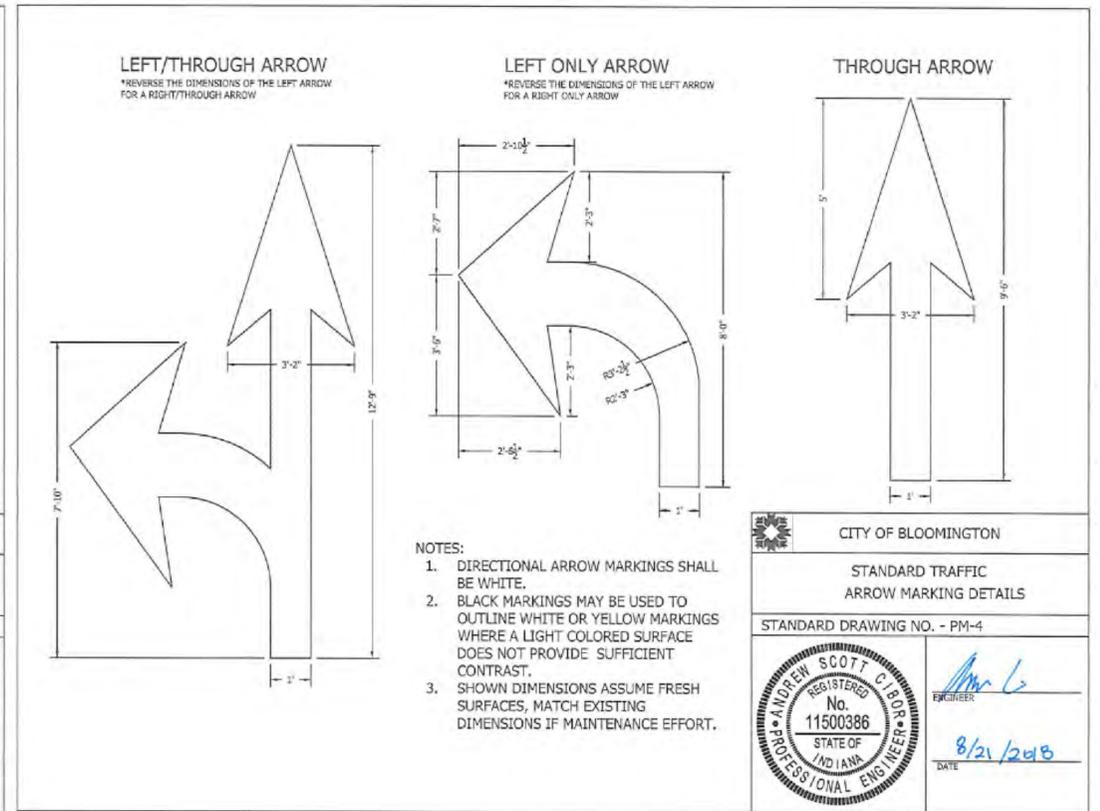
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	36 of 65
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING



- NOTES:
1. BASIC COLOR RULE: WHITE LINES SEPARATE TRAFFIC IN THE SAME DIRECTION; YELLOW LINES SEPARATE TRAFFIC IN OPPOSING DIRECTIONS. BLACK MARKINGS MAY BE USED TO OUTLINE WHITE OR YELLOW MARKINGS WHERE A LIGHT COLORED SURFACE DOES NOT PROVIDE SUFFICIENT CONTRAST.
  2. SHOWN DIMENSIONS ASSUME FRESH SURFACES, MATCH EXISTING DIMENSIONS IF MAINTENANCE EFFORT.

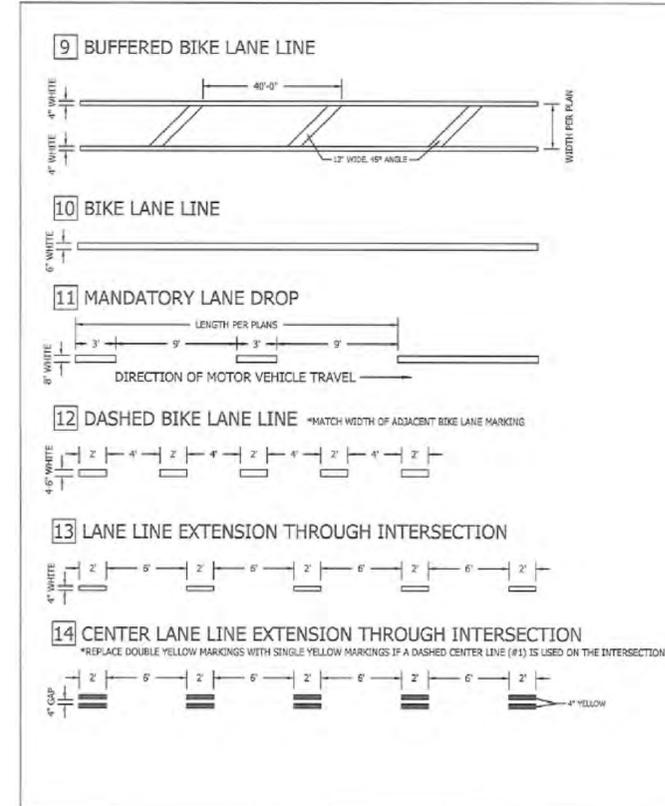
CITY OF BLOOMINGTON  
STANDARD TRAFFIC PAVEMENT MARKING DETAILS  
STANDARD DRAWING NO. - PM-1

REGISTERED PROFESSIONAL ENGINEER  
No. 11500386  
STATE OF INDIANA  
ANDREW SCOTT C. BOB  
ENGINEER  
DATE 8/21/2018



CITY OF BLOOMINGTON  
STANDARD TRAFFIC ARROW MARKING DETAILS  
STANDARD DRAWING NO. - PM-4

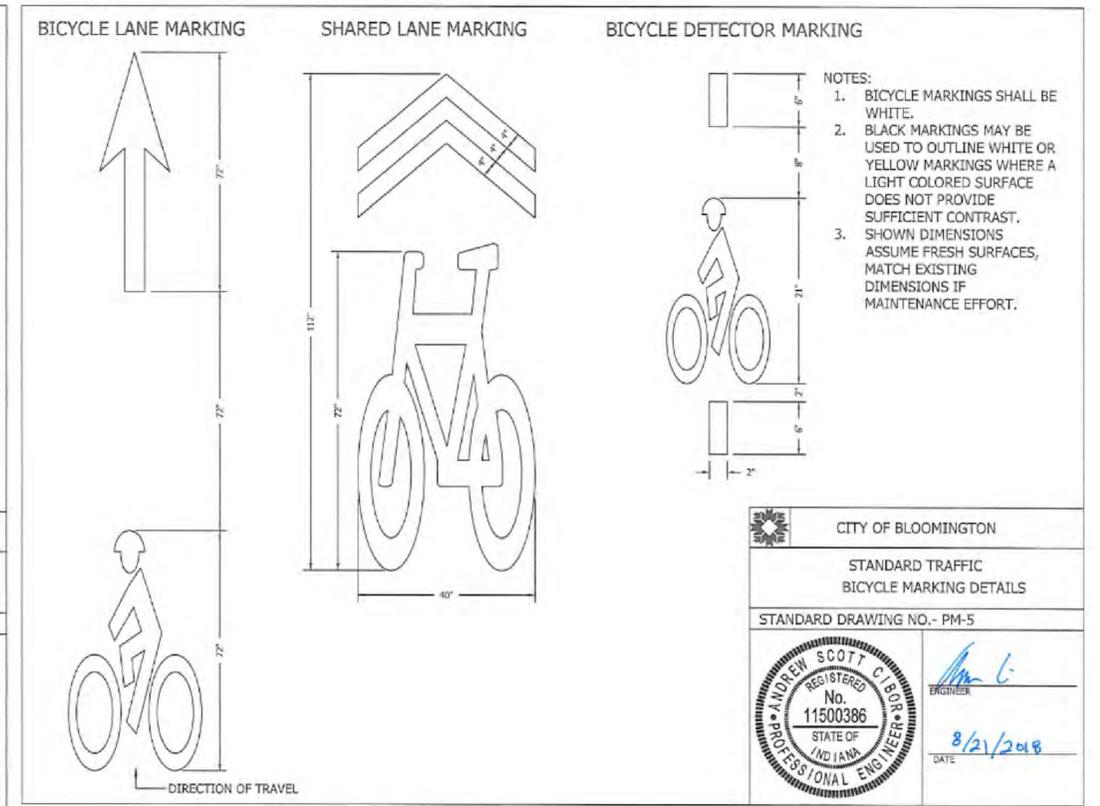
REGISTERED PROFESSIONAL ENGINEER  
No. 11500386  
STATE OF INDIANA  
ANDREW SCOTT C. BOB  
ENGINEER  
DATE 8/21/2018



- NOTES:
1. BASIC COLOR RULE: WHITE LINES SEPARATE TRAFFIC IN THE SAME DIRECTION; YELLOW LINES SEPARATE TRAFFIC IN OPPOSING DIRECTIONS. BLACK MARKINGS MAY BE USED TO OUTLINE WHITE OR YELLOW MARKINGS WHERE A LIGHT COLORED SURFACE DOES NOT PROVIDE SUFFICIENT CONTRAST.
  2. SHOWN DIMENSIONS ASSUME FRESH SURFACES, MATCH EXISTING DIMENSIONS IF MAINTENANCE EFFORT.

CITY OF BLOOMINGTON  
STANDARD TRAFFIC PAVEMENT MARKING DETAILS  
STANDARD DRAWING NO. - PM-2

REGISTERED PROFESSIONAL ENGINEER  
No. 11500386  
STATE OF INDIANA  
ANDREW SCOTT C. BOB  
ENGINEER  
DATE 8/21/2018



CITY OF BLOOMINGTON  
STANDARD TRAFFIC BICYCLE MARKING DETAILS  
STANDARD DRAWING NO. - PM-5

REGISTERED PROFESSIONAL ENGINEER  
No. 11500386  
STATE OF INDIANA  
ANDREW SCOTT C. BOB  
ENGINEER  
DATE 8/21/2018

PLOTTED: Wednesday, June 26, 2024 3:06:49 PM



RECOMMENDED FOR APPROVAL: *[Signature]* ENGINEER DATE 6/26/2024

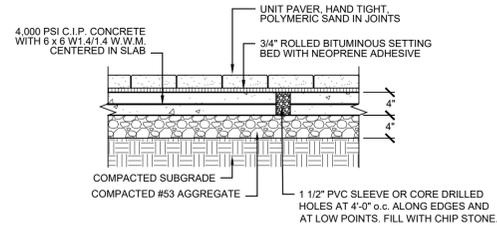
DESIGNED: PRD DRAWN: PRD

CHECKED: NK CHECKED: \_\_\_\_\_

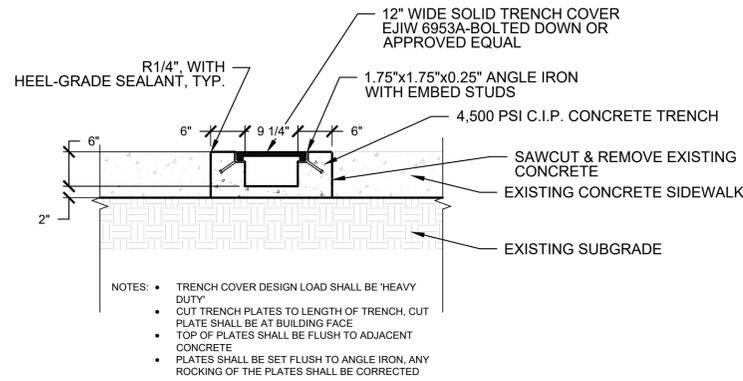
CITY OF BLOOMINGTON ENGINEERING DEPARTMENT

4TH STREET RESURFACING  
MADISON ST TO INDIANA AVE - EXCEPTIONS:  
COLLEGE, WALNUT, LINCOLN TO GRANT

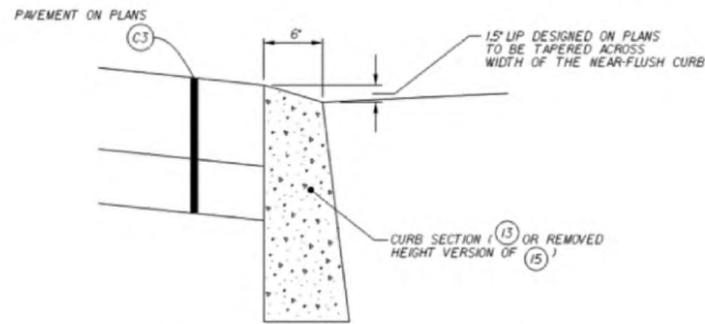
HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	37 of 165
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING



**F1 BRICKS ON CONCRETE BASE**  
SCALE: 3/4" = 1'-0"

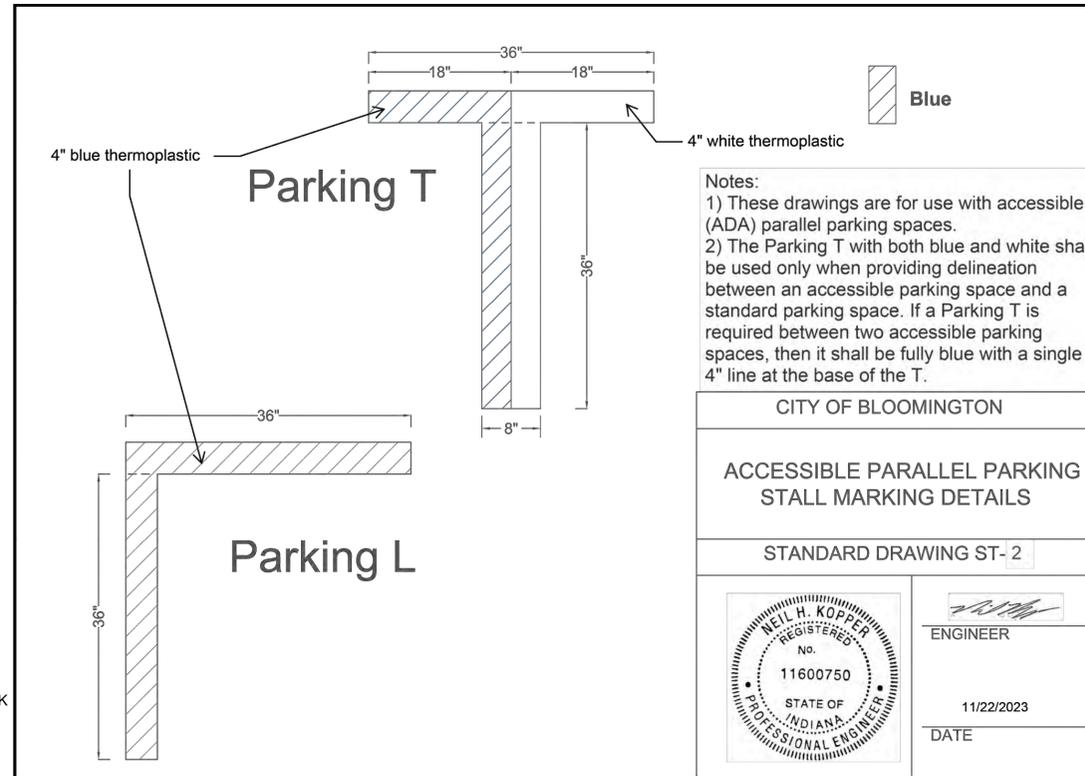


**TD TRENCH DRAIN RETROFIT**  
SCALE: 3/4" = 1'-0"



**CURB LIP AT DRIVE / ALLEY**  
NTS

NOTE: WHERE PLANS CALL FOR A 15" LIP AT THE GUTTER, IT IS TO BE BUILT AS SHOWN ABOVE (WITH 15" HEIGHT CHANGE ACROSS THE 6" TOP OF CURB). IF CURB IS POURED INTEGRAL WITH DRIVE, THEN FINISH AND TOOL THE EDGE TO MATCH THIS PROFILE.



CITY OF BLOOMINGTON

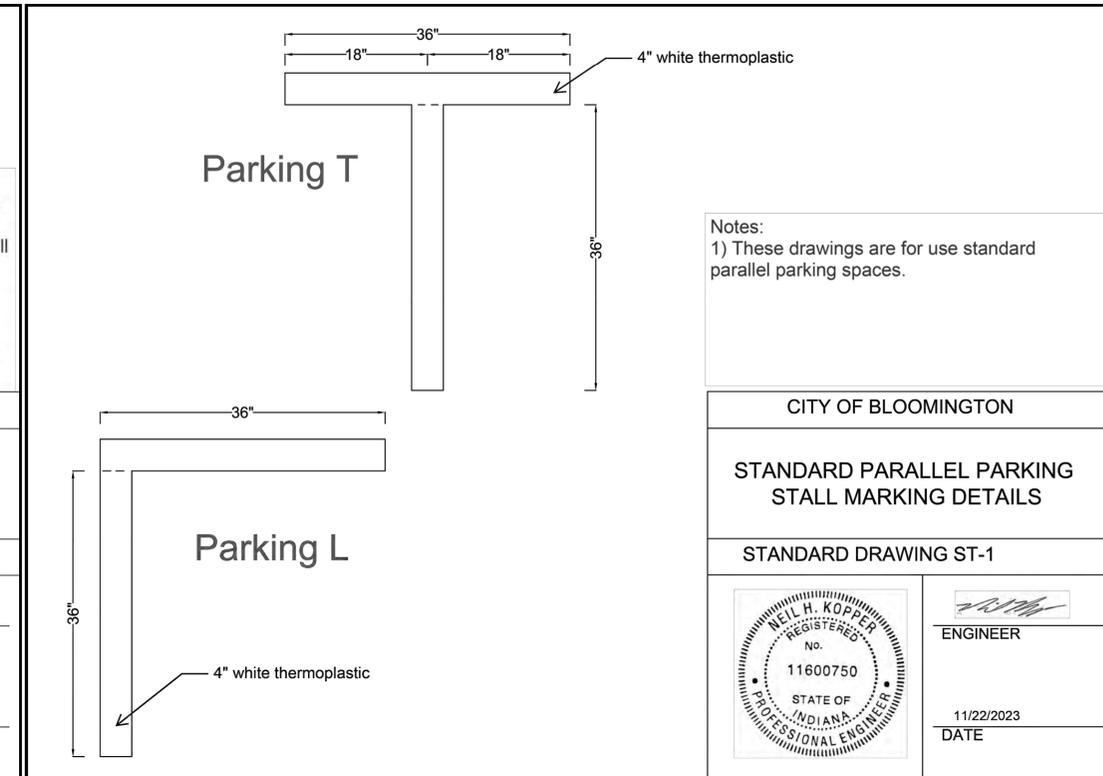
ACCESSIBLE PARALLEL PARKING STALL MARKING DETAILS

STANDARD DRAWING ST-2

NEIL H. KOPPER  
REGISTERED  
No. 11600750  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

ENGINEER

11/22/2023  
DATE



CITY OF BLOOMINGTON

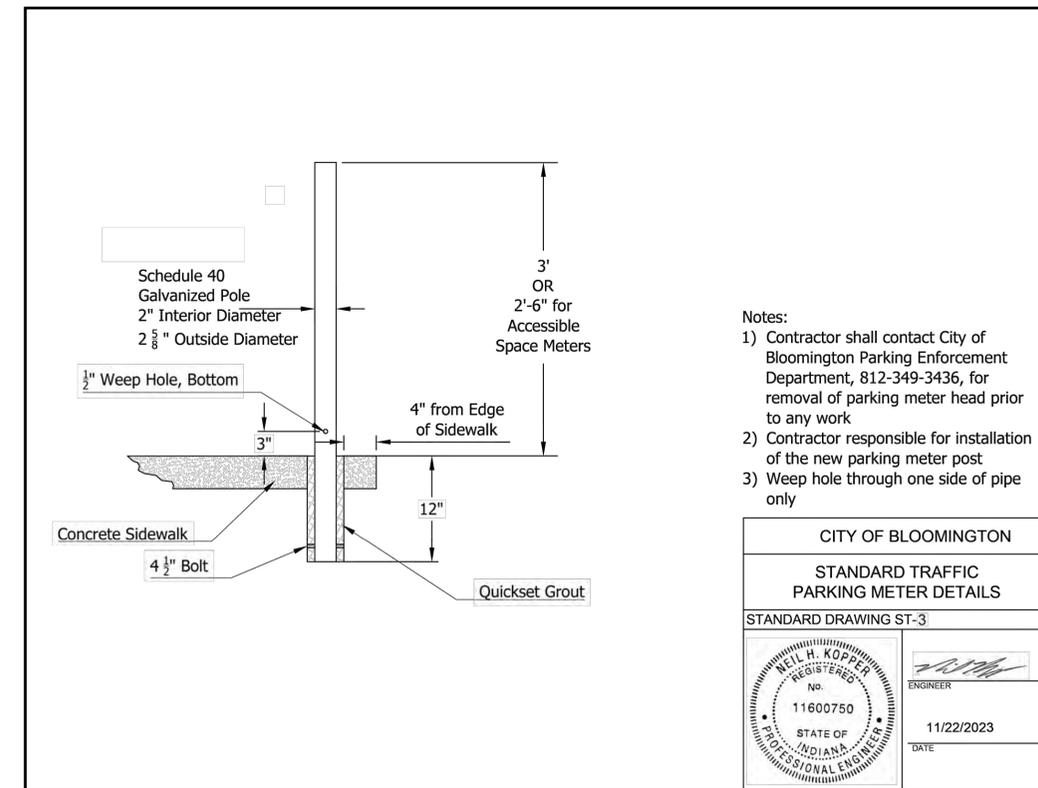
STANDARD PARALLEL PARKING STALL MARKING DETAILS

STANDARD DRAWING ST-1

NEIL H. KOPPER  
REGISTERED  
No. 11600750  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

ENGINEER

11/22/2023  
DATE



CITY OF BLOOMINGTON

STANDARD TRAFFIC PARKING METER DETAILS

STANDARD DRAWING ST-3

NEIL H. KOPPER  
REGISTERED  
No. 11600750  
STATE OF INDIANA  
PROFESSIONAL ENGINEER

ENGINEER

11/22/2023  
DATE



RECOMMENDED FOR APPROVAL: *Patrick R. Dierkes* 6/26/2024  
ENGINEER DATE

DESIGNED: PRD DRAWN: PRD

CHECKED: NK CHECKED:

CITY OF BLOOMINGTON  
ENGINEERING DEPARTMENT

4TH STREET RESURFACING  
MADISON ST TO INDIANA AVE - EXCEPTIONS:  
COLLEGE, WALNUT, LINCOLN TO GRANT

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICLE SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	38 of 165
CONTRACT	PROJECT
N/A	4TH STREET RESURFACING