



Date: 1/11/2021

**Subject:**

Utility Relocation Work Plan for:	Vectren, A Centerpoint Company
Facility Type:	Natural Gas - Distribution

**Section 1: General Information**

**A. Project Information**

1.	Project Name	7th Street Protected Bike Lane
2.	Route Number:	From B-Line Trail to Woodlawn Avenue
3.	Work Type:	Add protected bike lane to the existing roadway
4.	<b>Date Work Plan Needed</b>	<b>01/15/2021</b>
5.	Bid Date	January 2021

**B. Utility Designated Contact – Information**

1.	Designated Contact Name:	Mostafa Khallad
2.	Office telephone:	765-287-2150
3.	Mobile telephone:	Enter Mobile Telephone
4.	Email address:	Mostafa.khallad@centerpoint.com
5.	Agency name	Vectren, a CenterPoint Energy Company
6.	Address:	8399 Zionsville Road
7.	City, State, Zip Code:	Indianapolis, IN 46268
8.	Construction Emergency Contact:	
	Name:	Emergency Contact
	Number:	E1-800-227-1376

- C. By signing here, the Utility has determined to the best of their ability that they do not have facilities within the project area:

\_\_\_\_\_  
Signature of Utility Representative

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date

**Note:** A signature by the utility representative at item “(C)” fulfills the requirement to complete the rest of this form and affirms their contact information above is correct



D. Utility Coordinator Contact Information

1.	Utility Coordinator Name:	Jeremy Ross
2.	Office Telephone:	317.547.5580
3.	Mobile Telephone:	317.493.6488
4.	Email Address:	<a href="mailto:utilitycoordination@structurepoint.com">utilitycoordination@structurepoint.com</a>
5.	Agency Name:	American Structurepoint, Inc.
6.	Address:	9025 River Road, Suite 200
7.	City, State, Zip Code	Indianapolis, Indiana 46240

Section 2: A narrative description of the facility relocation that will be required.

A. Describe what types of existing active and inactive facilities are present.

- **2", 4", & 6" MP PL gas distribution main.**
- **2" & 4" LP STL gas distribution main (INACTIVE).**
- **4" & 6" LP Cast Iron gas distribution main (INACTIVE).**

B. Describe the location of existing active and inactive facilities.

**ACTIVE:**

- **2" MP PL along the south side of 7<sup>th</sup> St from STA. 14+00 – STA. 17+00.**
- **4" MP PL along the south side of 7<sup>th</sup> St from STA. 17+00 – STA. 22+00 & running north across 7<sup>th</sup> St at STA. 21+80.**
- **6" MP PL along the east side of Morton Rd running south at STA. 17+10.**
- **4" MP PL along the south side of 7<sup>th</sup> St from STA. 25+35 – STA. 26+40 & across 7<sup>th</sup> St at STA. 25+35.**
- **4" MP PL along the south side of 7<sup>th</sup> St from STA. 28+90 – STA. 30+90, across 7<sup>th</sup> St at STA. 28+90 and Sta. 30+90, & along the east side of Washington St.**
- **4" MP PL along the south side of 7<sup>th</sup> St from STA. 32+50 – STA. 34+00.**
- **2" MP PL along the south side of 7<sup>th</sup> St from STA. 34+70 – STA. 37+60 & crosses 7<sup>th</sup> St at STA. 36+10.**
- **2" MP PL along the south side of 7<sup>th</sup> St from STA. 37+70 – STA. 38+50, crosses 7<sup>th</sup> St at STA. 37+70 and runs along the west side of Grant St.**
- **2" MP PL along the south side of 7<sup>th</sup> St from STA. 42+70 – STA. 54+50, runs south along the west side of Dunn St, crosses 7<sup>th</sup> St at STA. 54+50, & runs along the west side of Indiana Ave.**
- **4" MP PL crosses 7<sup>th</sup> St at STA. 63+10 & runs north along the west side of Woodlawn Ave.**

**INACTIVE:**

- **6" LP Cast Iron along the south side of 7<sup>th</sup> St from Madison St – STA. 28+90**
- **4" LP Cast Iron crossing 7<sup>th</sup> St at STA. 28+90.**
- **4" LP Cast Iron crossing 7<sup>th</sup> St at STA. 25+45.**
- **4" LP Cast Iron crossing 7<sup>th</sup> St at STA. 21+70.**
- **2" LP STL crossing 7<sup>th</sup> St at STA. 20+20.**
- **6" LP STL along the south side of 7<sup>th</sup> St from Dunn St – Indiana Ave, crossing 7<sup>th</sup> St at STA. 54+45.**



C. Describe what will be done with existing active and inactive facilities.

\*See attached Drawings for more detail.

1. **Retire 4" MP PL from STA. 30+30 – STA. 30+50.**
2. **Retire 40' of 4" MP PL along Washington St. under the STR. NO. 108 outlet pipe (STA. 30+90).**
3. **Retire 20' of 2" MP PL at STR. NO. 118 (STA. 50+10 – STA. 50+30).**

D. Describe the details of the proposed new facilities.

\*See attached Drawings for more detail. All main is installed at a depth of 3' unless otherwise specified.

1. **Pr. 4" MP PL along 7<sup>th</sup> St. offset 6' from ex. gas main. Ties into ex. 4" PL at STA. 30+30 and STA. 30+50. Depth dependent on existing storm invert.**
2. **Pr. 4" MP PL along Washington St. offset 3' from ex. gas main. Installed at a depth of 7' below ex. grade.**
3. **Pr. 2" MP PL along 7<sup>th</sup> St from STA. 50+10 – STA. 50+30 and offset 3' from ex. gas main.**

E. Describe the proposed location of the new facilities.

**See Section 2.D and attached Drawings.**

F. By signing here, the Utility has determined to the best of their ability that they have facilities within the project area and the facilities are not in conflict with the project based upon the plans received on **9/19/2019**

\_\_\_\_\_  
Signature of Utility Representative

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Date

**Note:** A signature by the utility representative at item "(F)" fulfills the requirement to complete the rest of this form and affirms their contact information above is correct.

Section 3: A statement whether the facility relocation is or is not dependent on the acquisition of additional property interests with a description of that work.

**Vectren relocation is not dependent on the acquisition of additional property interests.**

Section 4: A statement whether the utility is or is not willing to allow the City contractor to do the required work as part of the construction contract.

**Vectren, a CenterPoint Energy Company crews or Contractors will be completing the required relocation work.**



**Section 5:** From the date the work plan is approved by both parties; please provide the Utility's pre-construction scheduling information.

A.	The expected lead time in calendar days to obtain required permits:	30 Days
B.	The expected lead time in calendar days to obtain materials:	60 Days
C.	The expected lead time in calendar days to schedule work crews:	60-90 Days
D.	If the contractor is being selected by competitive bid what is the date of selection?	TBD-final estimate will be completed once a final work plan has been received. Vectren, a CenterPoint Energy Company will not and cannot pursue competitive bid opportunities until then.
E.	The expected lead time in calendar days to obtain new property interests:	N/A
F.	The earliest date when the utility could begin to implement the pre-construction activities of the work plan:	30
G.	The total number of calendar days for pre-construction activities: (accounting for concurrent activities)	90

**Section 6:** The Utility Construction Scheduling Information.

A. A statement whether the facility relocation is or is not dependent on work to be done by another utility with a description of that work.

1. Utility A, with a description of the required work.

**Vectren is not dependent on any other utility.**

2. Utility B, with a description of the required work.

3. Utility C, with a description of the required work.

B. A statement whether the facility relocation is or is not dependent on work to be done by the City or the City's contractor with a description of that work.



1. Work item A

**Permanent and Temporary R/W painting and Staking**

2. Work item B

**Underground Structure painting and staking with inverts and elevations**

3. Work item C

- C. How many calendar days after the events identified in Sec 6 A and B are completed can the utility begin construction:

**TBD- based on crew availability and schedule once NTP is received and Work Order Authorizations**

- D. The number of calendar days to complete the relocation work: 15 Days

**Vectren, a Center point Energy Company's estimated time to complete relocation does not include potential delays due to other utility / unforeseen site issues or inclement weather**

Section 7: A drawing of sufficient detail with station, offset, elevations, and scale to show the proposed location of the facility relocation, which takes precedence over the narrative description of the work, needs to be on Project Construction drawings. ***Plans must be attached to this Work Plan Document.***

**See Relocation Drawing**

Section 8: For reimbursable work the estimate will identify betterment and salvage which is not reimbursable.

**N/A**

Section 9: For work the utility is entitled to be compensated by the City of Bloomington, the work plan shall include documentation of property interests and compensable land rights.

**N/A**



Section 10: The implementation of this approved work plan is dependent upon the issuance of: (a notice to proceed will be provided when items in Section 6 are accomplished)

Items Completed	Yes	Not Applicable
An executed reimbursement agreement with INDOT/LPA:	<input type="checkbox"/>	<input checked="" type="checkbox"/>
A relocation permit from City of Bloomington:	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(Note: Double-click on box in Yes or NA to mark it with an "X")

A handwritten signature in blue ink that reads "Mustafa Khallad".

\_\_\_\_\_  
Submitter Signature

\_\_\_\_\_  
Date 1/15/2021

\_\_\_\_\_  
Mostafa Khallad  
Submitter Name Printed



**DESIGN TEAM use only below this point ----- DESIGN TEAM use only below this point**

The following sections are to be used by INDOT personnel to review the utility relocation work plan.

Section 11: The Department shall review the work plan to ensure that it: [IAC 13-3-3(e)]

Description	Yes	N/A	Utility Coordinator Initials
(1.a) is compatible with department permit requirements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP
(1.b) is compatible with the project plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP
(1.c) is compatible with the construction schedule	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP
(1.d) is compatible with other utility relocation work plans	<input checked="" type="checkbox"/>	<input type="checkbox"/>	JP
(2.a) has reasonable relocation scheme	<input type="checkbox"/>	<input checked="" type="checkbox"/>	JP
(2.b) has a reasonable cost for compensable work	<input type="checkbox"/>	<input checked="" type="checkbox"/>	JP

(Note: Double-click on box under Yes or N/A to mark it with an "X")

Utility Coordinator Signature

1/27/21

Date

Josshe' Palm

Utility Coordinator Name Printed

Section 12: Approved Work Plan. [IAC 13-3-3(f)]

I have reviewed the work plan and have been made aware of the schedule and budget.

Project Manager Signature (LPA Project – ERC Signature)

3/25/21

Date

Kenneth R. Olson

Project Manager Name Printed (LPA Project – ERC Name Printed)

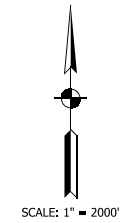
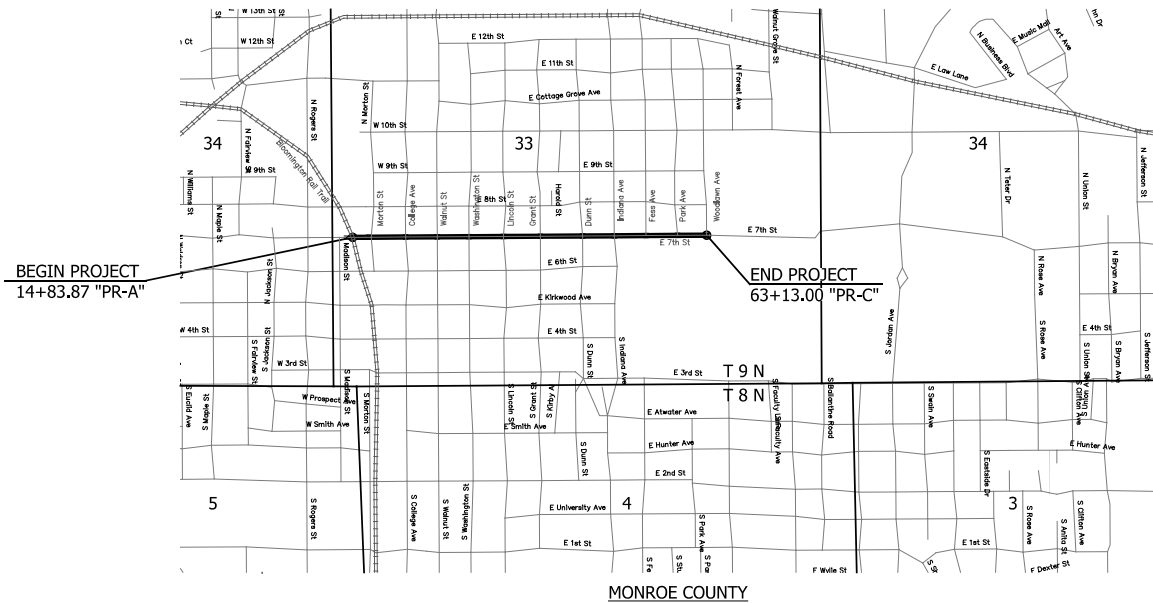
PROJECT	DESIGNATION
2018/02336	N/A
CONTRACT	BRIDGE FILE
N/A	N/A

# CITY OF BLOOMINGTON

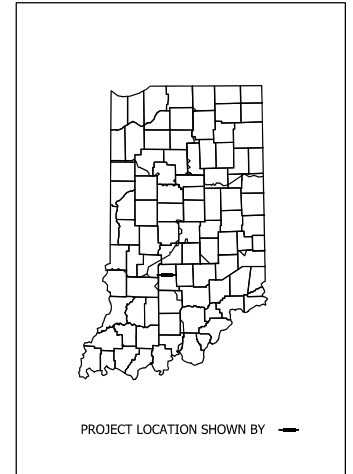
## ROAD PLANS

### 7TH STREET PROTECTED BIKE LANE IMPROVEMENTS

**Project Description:** The Project consists of a signature multimodal facility that provides a critical east-west connection from the B-Line Trail through the Indiana University campus that also includes accessibility improvements, bus stop improvements, and various streetscape elements. Included in the Project is to remove parking on the south side of Seventh Street and move the curb line as necessary. An existing bike lane on the north side of Seventh Street will be relocated to the new protected bike lanes on the south side of Seventh Street. Several intersections along the project will require modification to accommodate new bicyclist lanes.



TRAFFIC DATA		7TH STREET
A.A.D.T.	2020	4,500 V.P.D.
A.A.D.T.	2040	5,200 V.P.D.
B.V.V.	2040	470 V.P.D.
DIRECTIONAL DISTRIBUTION		72 (D.H.V.), 52 (A.D.T.) %
TRUCKS		4 % A.A.D.T.
DESIGN DATA		
DESIGN SPEED		25 M.P.H.
PROJECT DESIGN CRITERIA		3R RECONSTRUCTION (NON-FREEWAY)
FUNCTIONAL CLASSIFICATION		MINOR COLLECTION
RURAL/URBAN		URBAN
TERRAIN		ROLLING
ACCESS CONTROL		NONE



LATITUDE: 39° 10' 07" N LONGITUDE: 86° 31' 54" W

BRIDGE LENGTH:	0.00	MI.
ROADWAY LENGTH:	0.73	MI.
TOTAL LENGTH:	0.73	MI.
MAX. GRADE:	+5.00	%

**Note to Reviewer:**  
Design of Rain Gardens  
is Pending.

INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS DATED 2020 AND  
STANDARD DRAWINGS DATED 2019 TO BE  
USED WITH THESE PLANS.



9025 RIVER ROAD, SUITE 200  
INDIANAPOLIS, IN 46240  
TEL 317.547.5580 FAX 317.543.0270  
www.structurepoint.com

PLANS  
PREPARED BY: American Structurepoint, Inc. (317) 547-5580  
PHONE NUMBER  
CERTIFIED BY: DATE  
APPROVED FOR LETTING: CITY OF BLOOMINGTON DATE

BRIDGE FILE	
N/A	DESIGNATION
N/A	PROJECT
N/A	2018/02336



NO CONFLICTS

EX. 4" MP STL

EX. 2" MP PL

EX. 2" MP PL  
(NOT SHOWN)

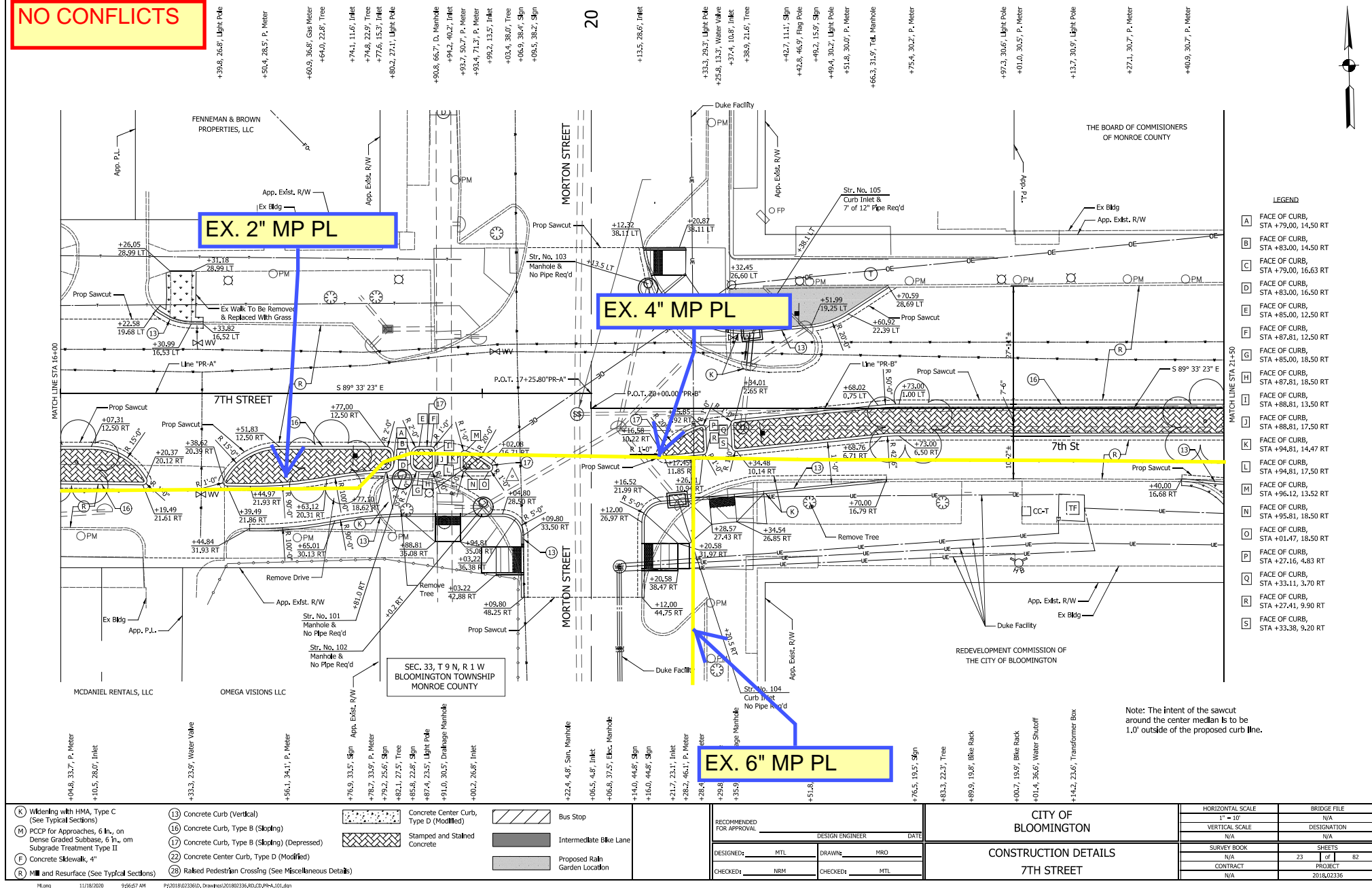
- |   |                                       |                                       |  |  |  |
|---|---------------------------------------|---------------------------------------|--|--|--|
| (K) Widening with HMA, Type C (See Typical Sections)  | (13) Concrete Curb (Vertical)         | (16) Concrete Curb, Type B (Sloping)  | (17) Concrete Curb, Type B (Sloping) (Depressed) | (22) Concrete Center Curb, Type D (Modified) | (26) Raked Pedestrian Crossing (See Miscellaneous Details) |
| (M) PCCP for Approaches, 6 in., on Dense Graded Subbase, 6 in., on Subgrade Treatment Type II | (14) Concrete Curb, Type D (Modified) | (15) Concrete Curb, Type D (Modified) | (18) Concrete Curb, Type D (Modified)            | (19) Concrete Curb, Type D (Modified)        | (20) Concrete Curb, Type D (Modified)                      |
| (F) Concrete Skidwalk, 4"   | (21) Concrete Curb, Type D (Modified) | (23) Concrete Curb, Type D (Modified) | (24) Concrete Curb, Type D (Modified)            | (25) Concrete Curb, Type D (Modified)        | (27) Concrete Curb, Type D (Modified)                      |
| (R) Mill and Resurface (See Typical Sections)   | (28) Concrete Curb, Type D (Modified) | (29) Concrete Curb, Type D (Modified) | (30) Concrete Curb, Type D (Modified)            | (31) Concrete Curb, Type D (Modified)        | (32) Concrete Curb, Type D (Modified)                      |
- |   |                              |          |                        |                               |
|---|------------------------------|----------|------------------------|-------------------------------|
| Concrete Center Curb, Type D (Modified) | Stamped and Stained Concrete | Bus Stop | Intermediate Bike Lane | Proposed Rain Garden Location |
|---|------------------------------|----------|------------------------|-------------------------------|

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MTL	DRAWN: MRO	
CHECKED: NRM	CHECKED: MTL	

CITY OF  
BLOOMINGTON  
  
CONSTRUCTION DETAILS  
7TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	22 of 82
CONTRACT	PROJECT
N/A	2018/02336

NO CONFLICTS



Note: The intent of the sawcut around the center median is to be 1.0' outside of the proposed curb line.

- (K) Widening with HMA, Type C (See Typical Sections)  
(M) PCCP for Approaches, 6 in., on Dense Graded Subbase, 6 in., on Subgrade Treatment Type II  
(F) Concrete Sidewalk, 4"  
(R) Mill and Resurface (See Typical Sections)

- (13) Concrete Curb (Vertical)  
(16) Concrete Curb, Type B (Sloping)  
(17) Concrete Curb, Type B (Sloping) (Depressed)  
(22) Concrete Center Curb, Type D (Modified)  
(28) Raised Pedestrian Crossing (See Miscellaneous Details)

- Concrete Center Curb, Type D (Modified)  
Stamped and Stained Concrete

- Bus Stop  
Intermediate Bike Lane  
Proposed Rain Garden Location

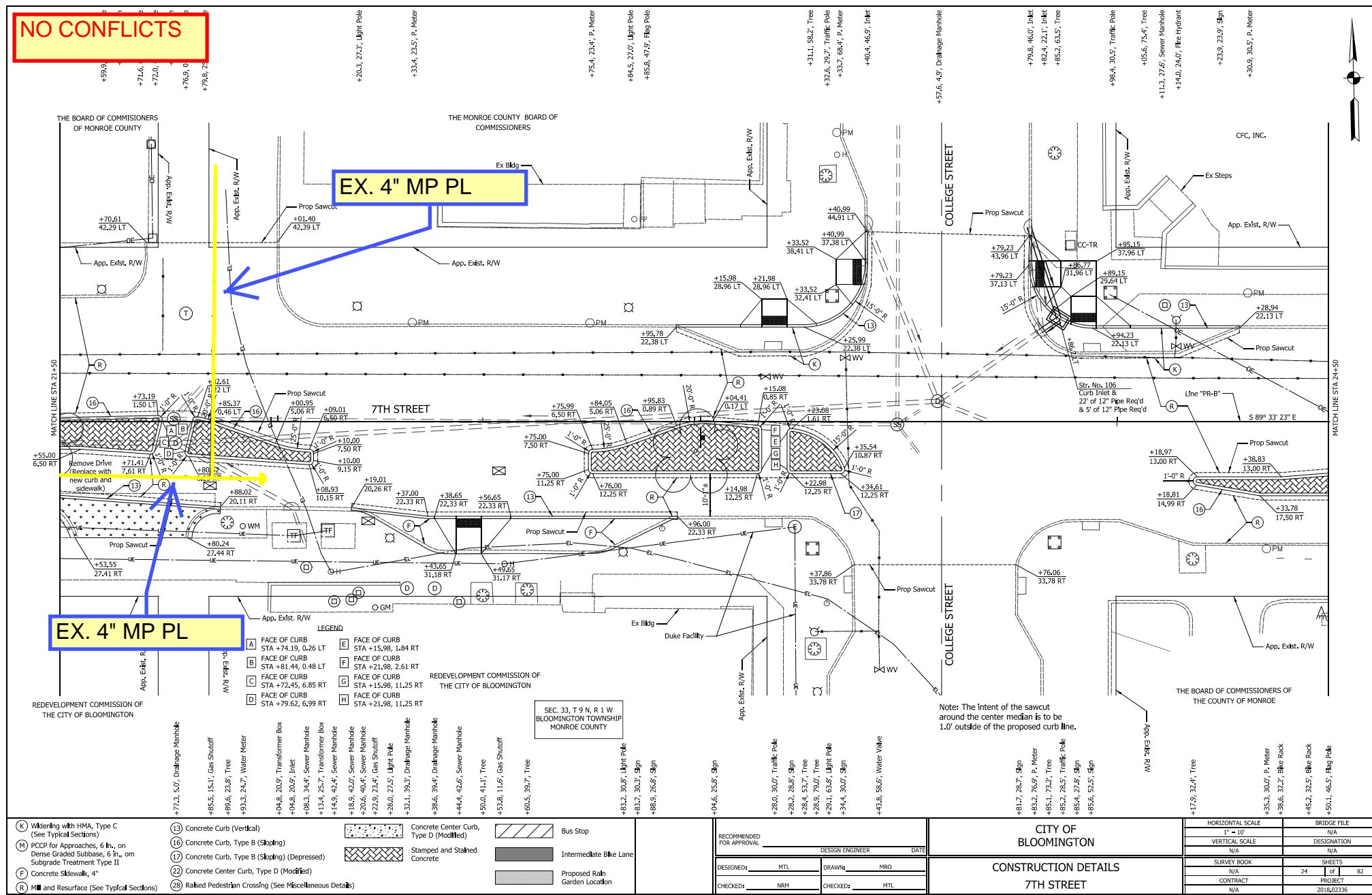
RECOMMENDED FOR APPROVAL

DESIGNED: MTL	DRAWN: MRO
CHECKED: NRM	CHECKED: MTL

CITY OF BLOOMINGTON  
CONSTRUCTION DETAILS  
7TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	23 of 82
CONTRACT	PROJECT
N/A	2018/02336

**NO CONFLICTS**



NO CONFLICTS

25

EX. 4" MP PL

EX. 4" MP PL

Note: The intent of the sawcut around the center median is to be 1.0' outside of the proposed curb line.

- (K) Widening with HMA, Type C (See Typical Sections)
- (M) PCCP for Approaches, 6 in., on Dense Graded Subbase, 6 in., on Subgrade Treatment Type II
- (F) Concrete Skidwalk, 4"
- (R) Mill and Resurface (See Typical Sections)

- (13) Concrete Curb (Vertical)
- (16) Concrete Curb, Type B (Sloping)
- (17) Concrete Curb, Type B (Sloping) (Depressed)
- (22) Concrete Center Curb, Type D (Modified)
- (28) Raised Pedestrian Crossing (See Miscellaneous Details)

- Concrete Center Curb, Type D (Modified)
- Stamped and Stained Concrete

- Bus Stop
- Intermediate Bike Lane
- Proposed Rain Garden Location

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MTL	DRAWN: MRG	
CHECKED: NRM	CHECKED: MTL	

CITY OF  
BLOOMINGTON  
CONSTRUCTION DETAILS  
7TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	25 of 82
CONTRACT	PROJECT
N/A	2018/02336

11/18/2020

11/18/2020

11/18/2020

11/18/2020

11/18/2020

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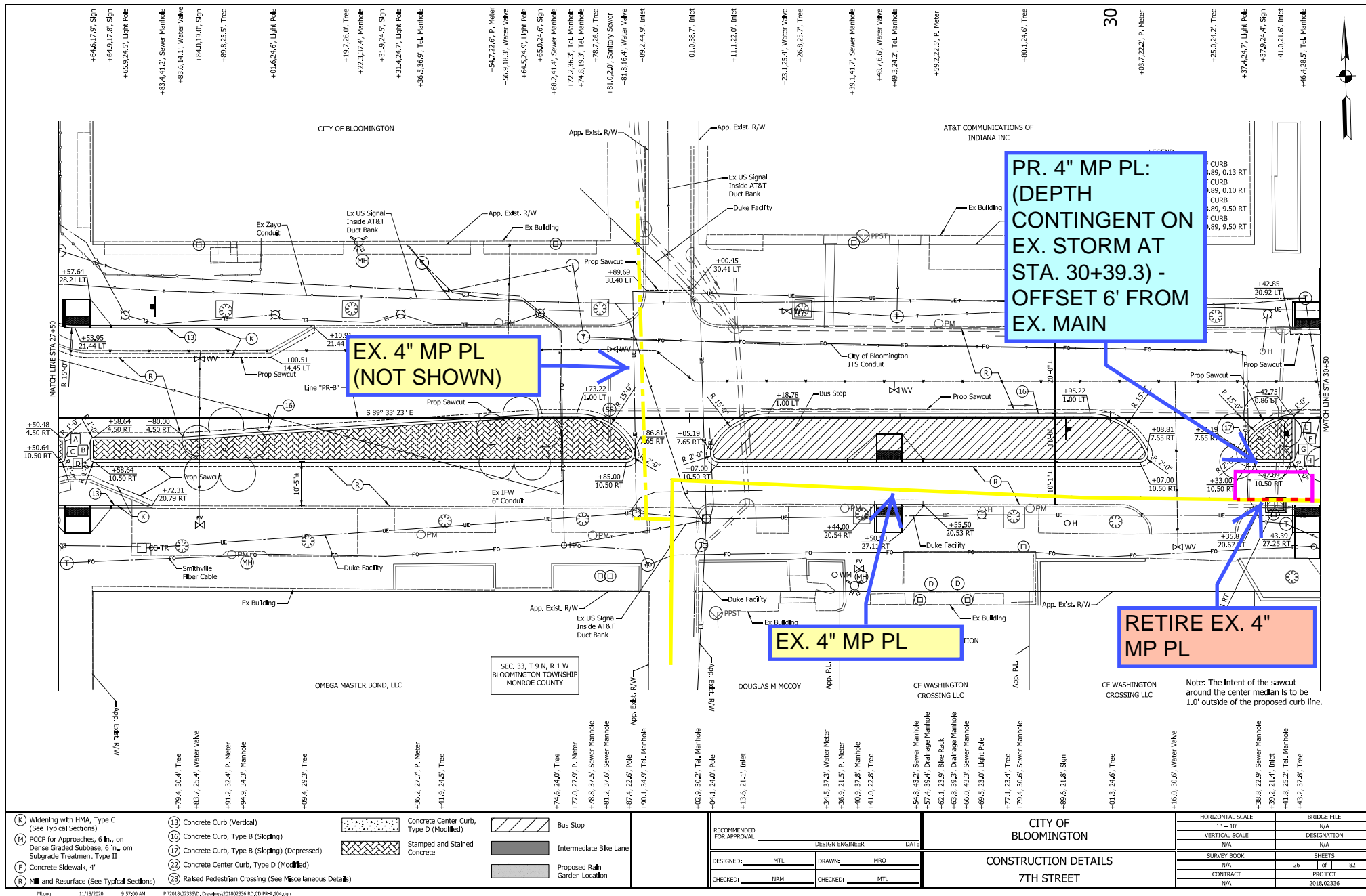
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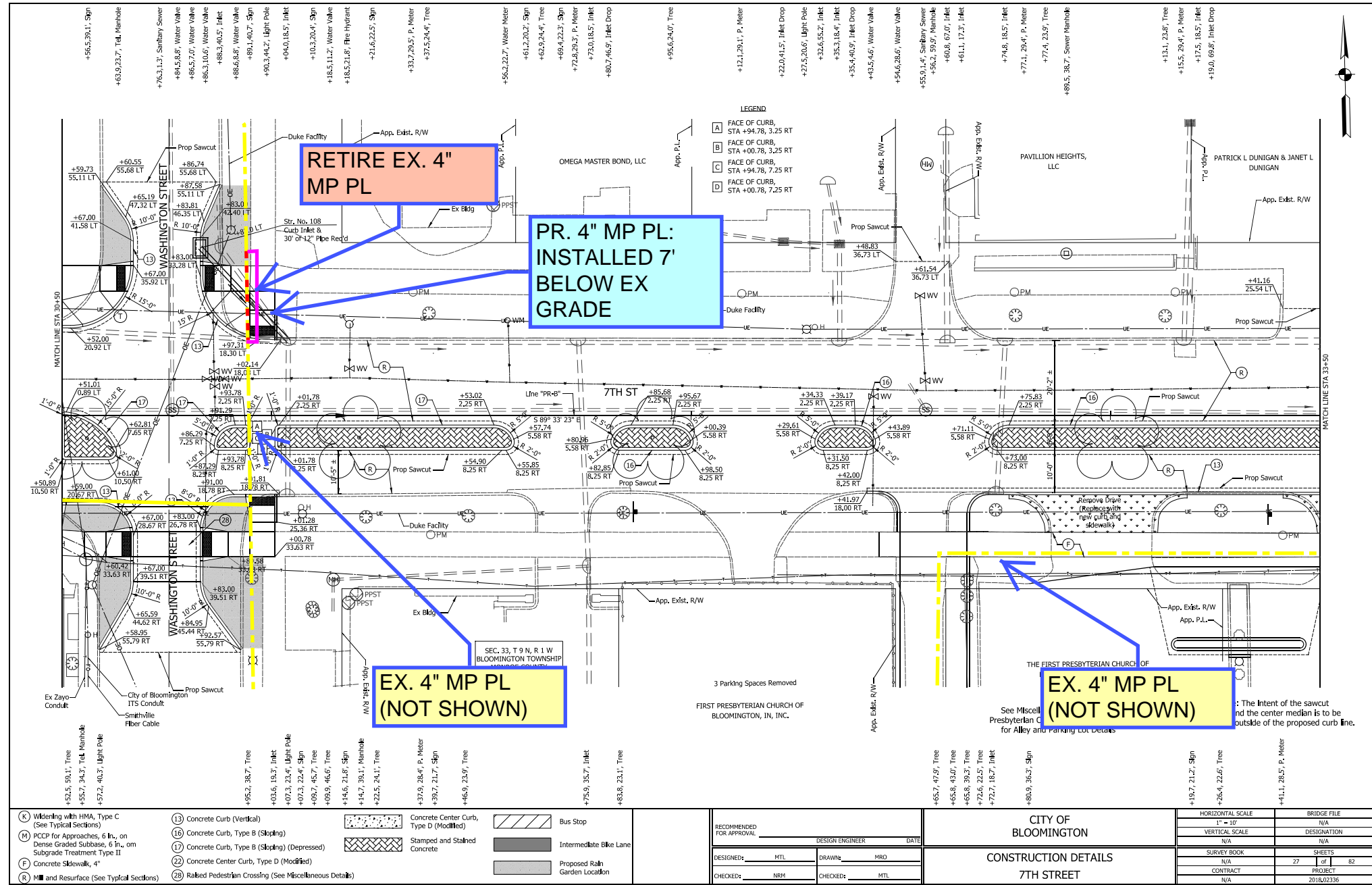
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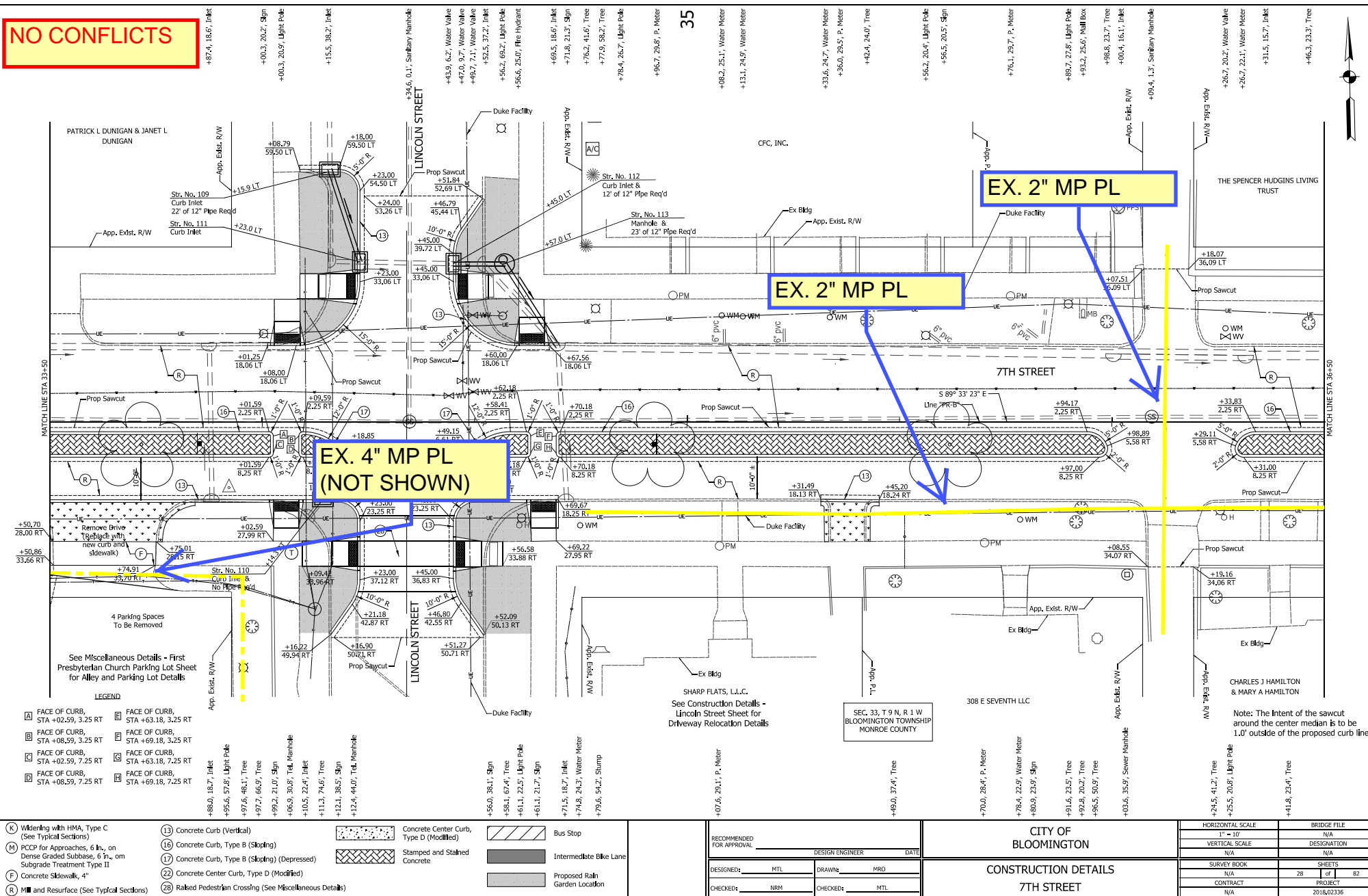






<b>(K)</b> Widening with HMA, Type C (See Typical Sections)		<b>(13)</b> Concrete Curb (Vertical)		Concrete Center Curb, Type D (Modified)		Bus Stop		<b>CITY OF BLOOMINGTON</b>		<b>HORIZONTAL SCALE</b>		<b>BRIDGE FILE</b>	
<b>(M)</b> PCCP for Approaches, 6 in., on Dense Graded Subbase, 6 in., on Subgrade Treatment Type II		<b>(16)</b> Concrete Curb, Type B (Sloping)		Stamped and Stained Concrete		Intermediate Bike Lane		<b>CONSTRUCTION DETAILS</b>		<b>VERTICAL SCALE</b>		<b>DESIGNATION</b>	
<b>(F)</b> Concrete Sidewalk, 4"		<b>(17)</b> Concrete Curb, Type B (Sloping) (Depressed)		<b>(14)</b> Concrete Center Curb, Type D (Modified)		Proposed Rain Garden Location		<b>7TH STREET</b>		<b>N/A</b>		<b>N/A</b>	
<b>(R)</b> Mill and Resurface (See Typical Sections)		<b>(20)</b> Raised Pedestrian Crossing (See Miscellaneous Details)						<b>DESIGNED: MTL</b>		<b>SURVEY BOOK</b>		<b>SHEETS</b>	
								<b>DRAWN: MRO</b>		<b>27</b>		<b>of 82</b>	
								<b>CHECKED: NRM</b>		<b>CONTRACT</b>		<b>PROJECT</b>	
								<b>CHECKED: MTL</b>		<b>N/A</b>		<b>2018/02336</b>	

**NO CONFLICTS**



NO CONFLICTS

EX. 2" MP PL

EX. 2" MP PL  
(NOT SHOWN)

EX. 2" MP PL

MAIN NOT  
CONNECTED

- (K) Widening with HMA, Type C (See Typical Sections)
- (M) PCCP for Approaches, 6 in., on Dense Graded Subbase, 6 in., on Subgrade Treatment Type II
- (F) Concrete Sidewalk, 4"
- (R) Mill and Resurface (See Typical Sections)
- (13) Concrete Curb (Vertical)
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- (22) Concrete Center Curb, Type D (Modified)
- (28) Raked Pedestrian Crossing (See Miscellaneous Details)

- Concrete Center Curb, Type D (Modified)
- Stamped and Stained Concrete

- Bus Stop
- Intermediate Bike Lane
- Proposed Rain Garden Location

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MTL	DRAWN: MRO	
CHECKED: NRM	CHECKED: MTL	

CITY OF  
BLOOMINGTON

CONSTRUCTION DETAILS  
7TH STREET

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	29 of 82
CONTRACT	PROJECT
N/A	2018/02336

+56.4, 28.3', P. Meter

+60.6, 23.2', Tree

+75.1, 22.0', Water Meter

+93.0, 23.9', Tree

+100.6, 28.2', P. Meter

+11.3, 23.3', Sign

+18.3, 22.7', Water Meter

+31.6, 22.5', Tree

+43.4, 28.2', P. Meter

+65.2, 16.6', Inlet

+67.5, 23.5', Gas Shutoff

+67.5, 60.0', Tree

+69.4, 21.5', Sign

+16.4, 27.4', Sign

+20.4, 21.1', Light Pole

+36.4, 23.0', Tree

+57.3, 28.9', P. Meter

+73.0, 24.0', Tree

+90.9, 53.8', Tree

+96.1, 21.1', Sign

+101.8, 28.8', P. Meter

+112.0, 24.4', Tree

+126.8, 51.4', Stump

+145.8, 28.7', P. Meter

+148.4, 23.0', Tree

+12.1, 23.4', Tree

+19.5, 21.2', Water Meter

+33.0, 29.1', P. Meter

+41.0, 24.6', Tree

+65.7, 15.7', Inlet

+68.2, 20.2', Light Pole

+81.6, 25.2', Gas Shutoff

+87.1, 15.6', Inlet

+95.5, 1.3', Sanitary Manhole

+98.7, 8.4', Water Valve

+102.3, 11.5', Sanitary Manhole

+17.7, 36.2', Light Pole

+19.4, 20.2', Sign

+19.5, 50.7', Tree

+19.8, 15.3', Inlet

+22.4, 39.8', Tree

+23.8, 9.4', Water Valve

+24.3, 21.2', Fire Hydrant

+27.4, 20.9', Sign

+30.6, 23.1', Tree

+46.9, 23.1', Tree

+79.4, 19.1', Tree

+89.8, 29.3', P. Meter

+89.9, 20.1', Sign

+93.6, 36.8', Light Pole

+97.8, 23.7', Tree

+12.7, 20.4', Light Pole

+14.3, 20.6', Sign

+33.8, 29.5', P. Meter

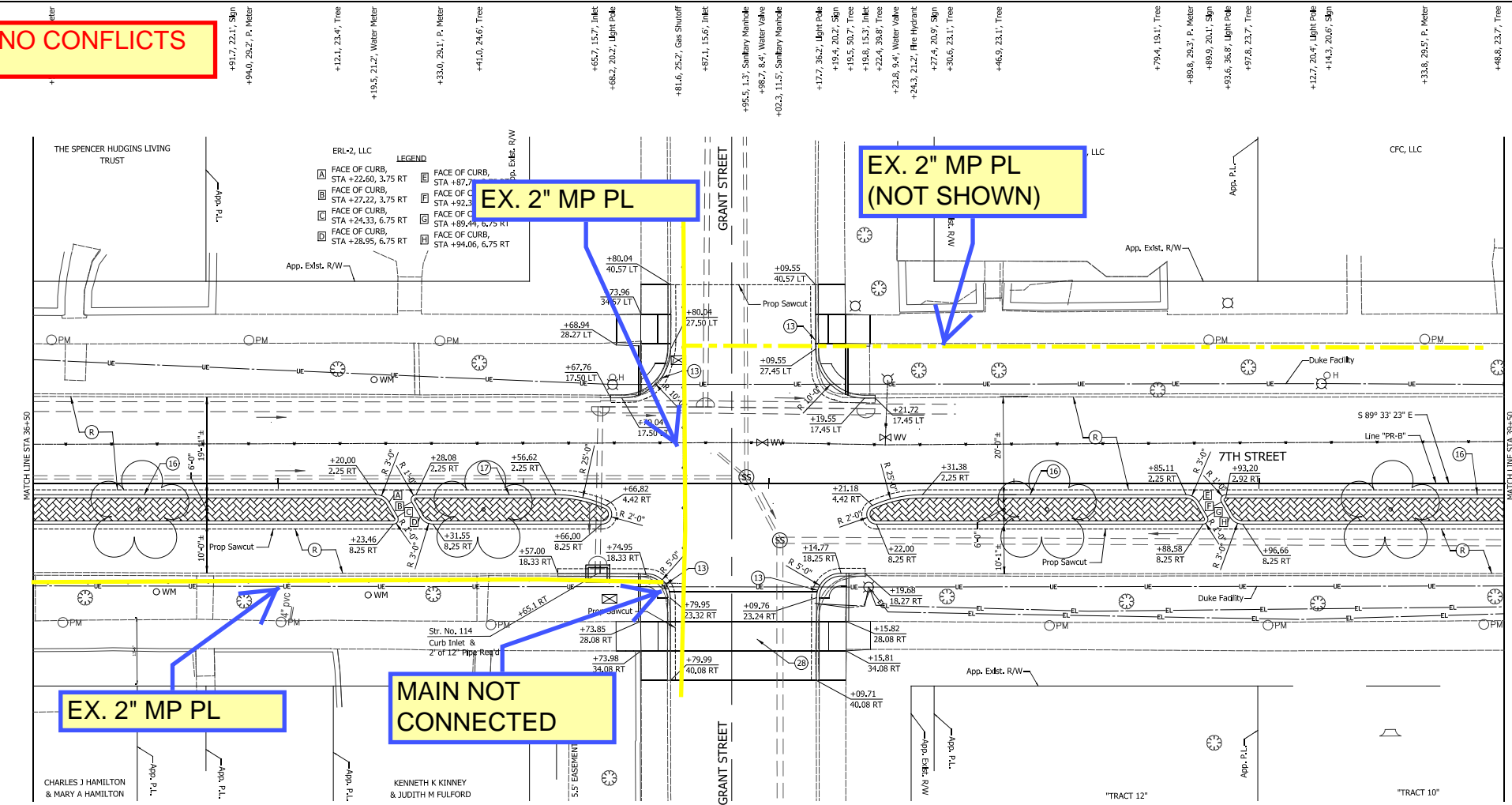
+48.8, 23.7', Tree

SEC. 33, T 9 N, R 1 W  
BLOOMINGTON TOWNSHIP  
MONROE COUNTY

Note: The Intent of the sawcut  
around the center median is to be  
1.0' outside of the proposed curb line.

MATCH LINE STA 34+50

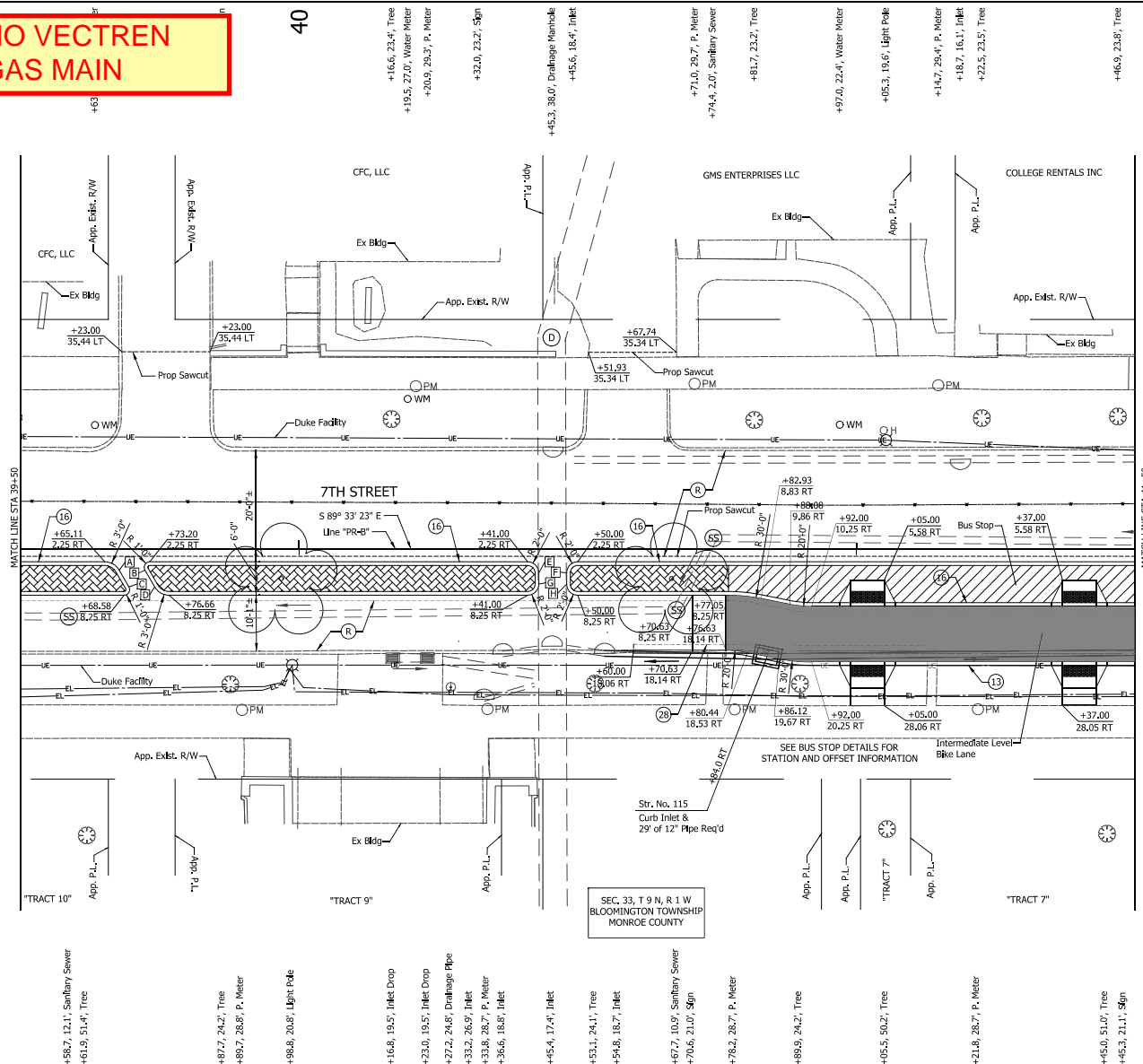
MATCH LINE STA 39+50





NO VECTREN  
GAS MAIN

40



- LEGEND
- A FACE OF CURB  
STA +67.71, 3.75 RT
  - B FACE OF CURB  
STA +72.33, 3.75 RT
  - C FACE OF CURB  
STA +69.44, 6.75 RT
  - D FACE OF CURB  
STA +74.06, 6.75 RT
  - E FACE OF CURB  
STA +43.00, 4.25 RT
  - F FACE OF CURB  
STA +48.00, 4.25 RT
  - G FACE OF CURB  
STA +43.00, 6.25 RT
  - H FACE OF CURB  
STA +48.00, 6.25 RT

Note: The intent of the sawcut  
around the center median is to be  
1.0' outside of the proposed curb line.

- |   |                                       |  |  |  |  |
|---|---------------------------------------|--|--|--|--|
| (K) Widening with HMA, Type C<br>(See Typical Sections)   | (13) Concrete Curb (Vertical)         | (16) Concrete Curb, Type B (Sloping)             | (17) Concrete Curb, Type B (Sloping) (Depressed) | (22) Concrete Center Curb, Type D (Modified)     | (28) Raked Pedestrian Crossing (See Miscellaneous Details) |
| (M) PCCP for Approaches, 6 in., on<br>Dense Graded Subbase, 6 in., on<br>Subgrade Treatment Type II | (14) Concrete Curb, Type A (Sloping)  | (15) Concrete Curb, Type A (Sloping) (Depressed) | (18) Concrete Curb, Type C (Sloping)             | (19) Concrete Curb, Type C (Sloping) (Depressed) |  |
| (F) Concrete Sidewalk, 4"   | (20) Concrete Curb, Type D (Modified) | (21) Concrete Curb, Type D (Modified)            | (23) Concrete Curb, Type E (Sloping)             | (24) Concrete Curb, Type E (Sloping) (Depressed) |  |
| (R) Mill and Resurface (See Typical Sections)   | (25) Concrete Curb, Type F (Sloping)  | (26) Concrete Curb, Type F (Sloping) (Depressed) | (27) Concrete Curb, Type G (Sloping)             | (28) Concrete Curb, Type G (Sloping) (Depressed) |  |
- Concrete Center Curb, Type D (Modified)
- Stamped and Stained Concrete
- Bus Stop
- Intermediate Bike Lane
- Proposed Rain Garden Location

RECOMMENDED FOR APPROVAL

DESIGN ENGINEER: DATE

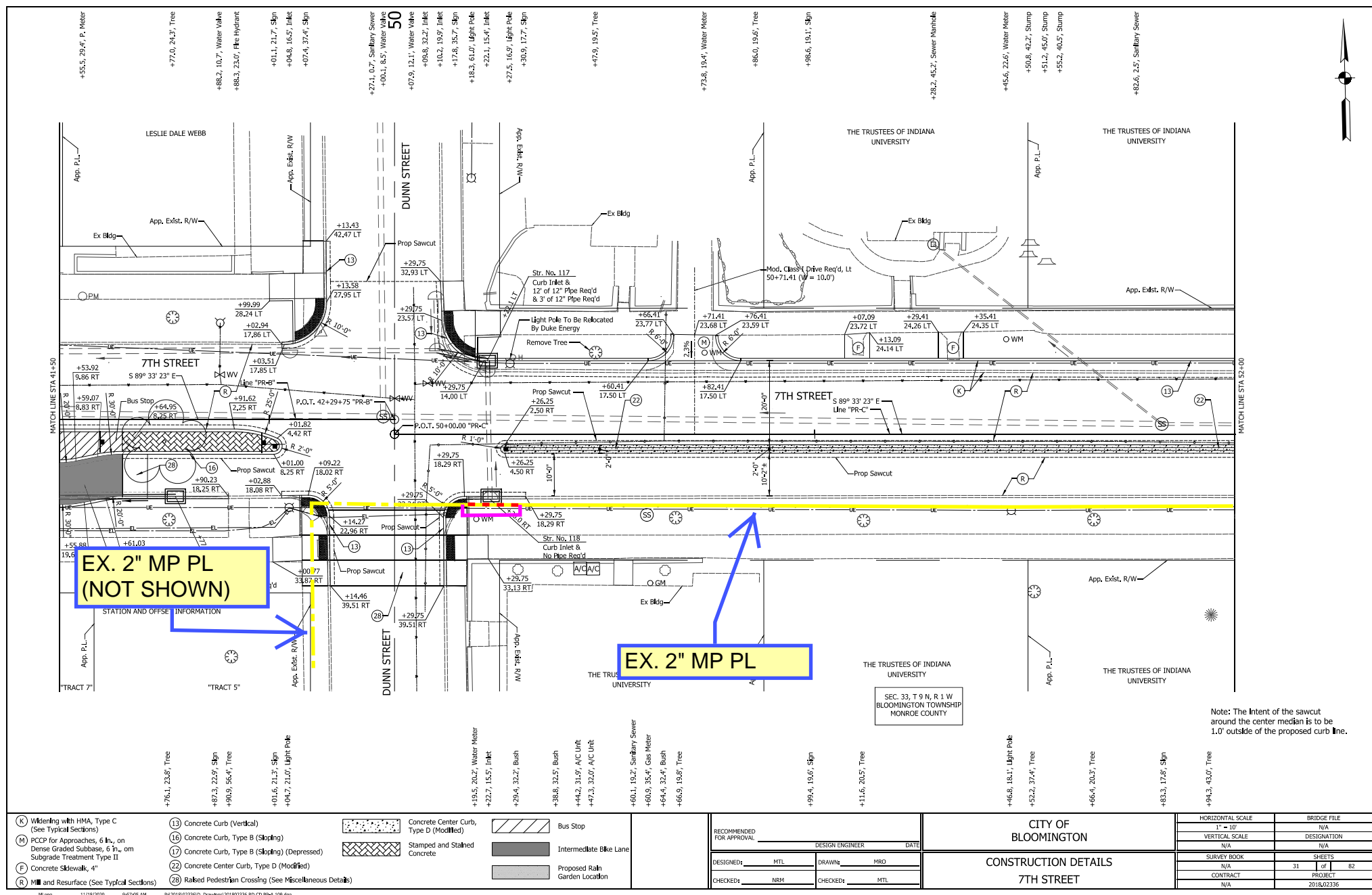
DESIGNED: MTL DRAWN: MRG

CHECKED: NRM CHECKED: MTL

CITY OF  
BLOOMINGTON

CONSTRUCTION DETAILS  
7TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	30 of 82
CONTRACT	PROJECT
N/A	2018/02336



Note: The Intent of the sawcut around the center median is to be 1.0' outside of the proposed curb line.

(K) Widening with HMA, Type C (See Typical Sections)	(13) Concrete Curb (Vertical)	(Concrete Center Curb, Type D (Modified))	(Bus Stop)
(M) PCCP for Approaches, 6 in., on Dense Graded Subbase, 6 in., on Subgrade Treatment Type II	(16) Concrete Curb, Type B (Sloping)	(Stamped and Stained Concrete)	(Intermediate Bike Lane)
(F) Concrete Sidewalk, 4"	(17) Concrete Curb, Type B (Sloping) (Depressed)		(Proposed Rain Garden Location)
(R) Mill and Resurface (See Typical Sections)	(18) Concrete Center Curb, Type D (Modified)		
	(26) Raised Pedestrian Crossing (See Miscellaneous Details)		

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MTL	DRAWN: MRO	
CHECKED: NRM	CHECKED: MTL	

CITY OF BLOOMINGTON
CONSTRUCTION DETAILS
7TH STREET

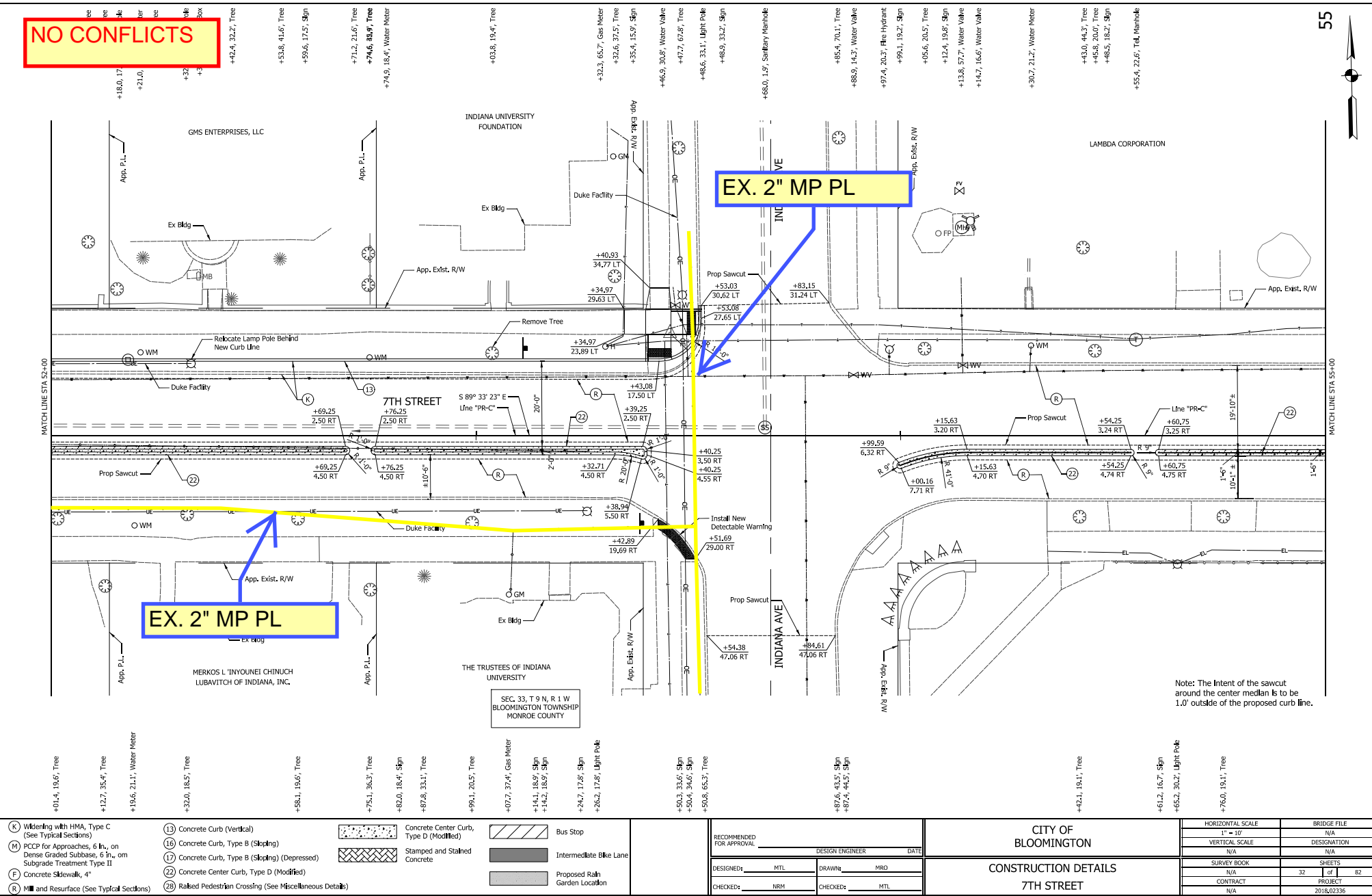
HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	31 of 82
CONTRACT	PROJECT
N/A	2018/02336

NO CONFLICTS

EX. 2" MP PL

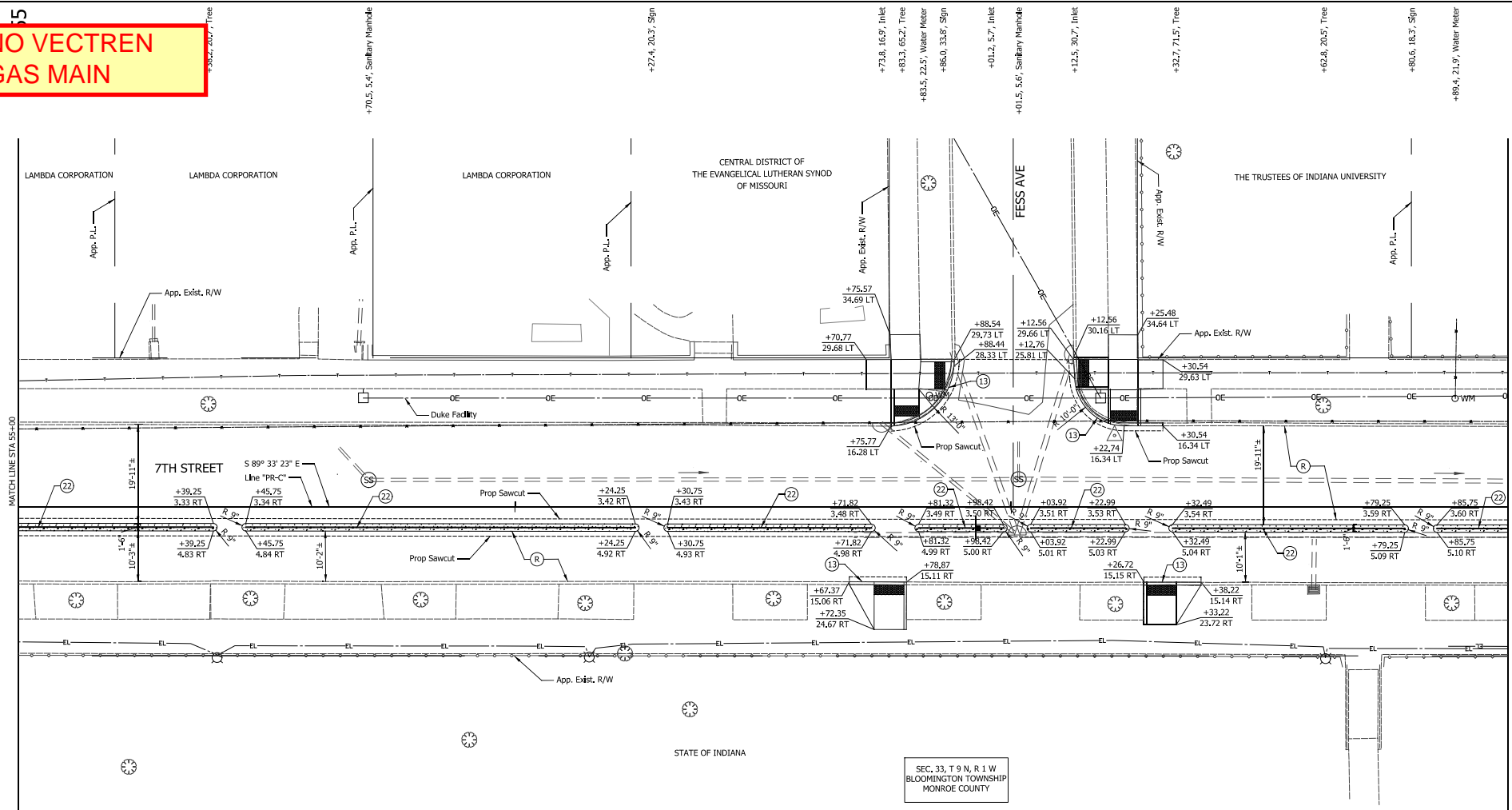
EX. 2" MP PL

55



<b>CITY OF BLOOMINGTON</b>		<b>CONSTRUCTION DETAILS</b>		<b>7TH STREET</b>	
DESIGNED: MTL		DRAWN: MRO		PROJECT: 2018/02336	
CHECKED: NRM		CHECKED: MTL		SHEETS: 32 of 82	
RECOMMENDED FOR APPROVAL:		DESIGN ENGINEER:		DATE:	
CONTRACT: N/A		SURVEY BOOK: N/A		BRIDGE FILE: N/A	
VERTICAL SCALE: N/A		DESIGNATION: N/A		PROJECT: 2018/02336	
HORIZONTAL SCALE: 1" = 10'		DESIGNATION: N/A		PROJECT: 2018/02336	
DESIGNED: MTL		DRAWN: MRO		PROJECT: 2018/02336	
CHECKED: NRM		CHECKED: MTL		PROJECT: 2018/02336	
RECOMMENDED FOR APPROVAL:		DESIGN ENGINEER:		DATE:	
CONTRACT: N/A		SURVEY BOOK: N/A		BRIDGE FILE: N/A	
VERTICAL SCALE: N/A		DESIGNATION: N/A		PROJECT: 2018/02336	
HORIZONTAL SCALE: 1" = 10'		DESIGNATION: N/A		PROJECT: 2018/02336	

NO VECTREN  
GAS MAIN



SEC. 33, T 9 N, R 1 W  
BLOOMINGTON TOWNSHIP  
MONROE COUNTY

Note: The intent of the sawcut  
around the center median is to be  
1.0' outside of the proposed curb line.

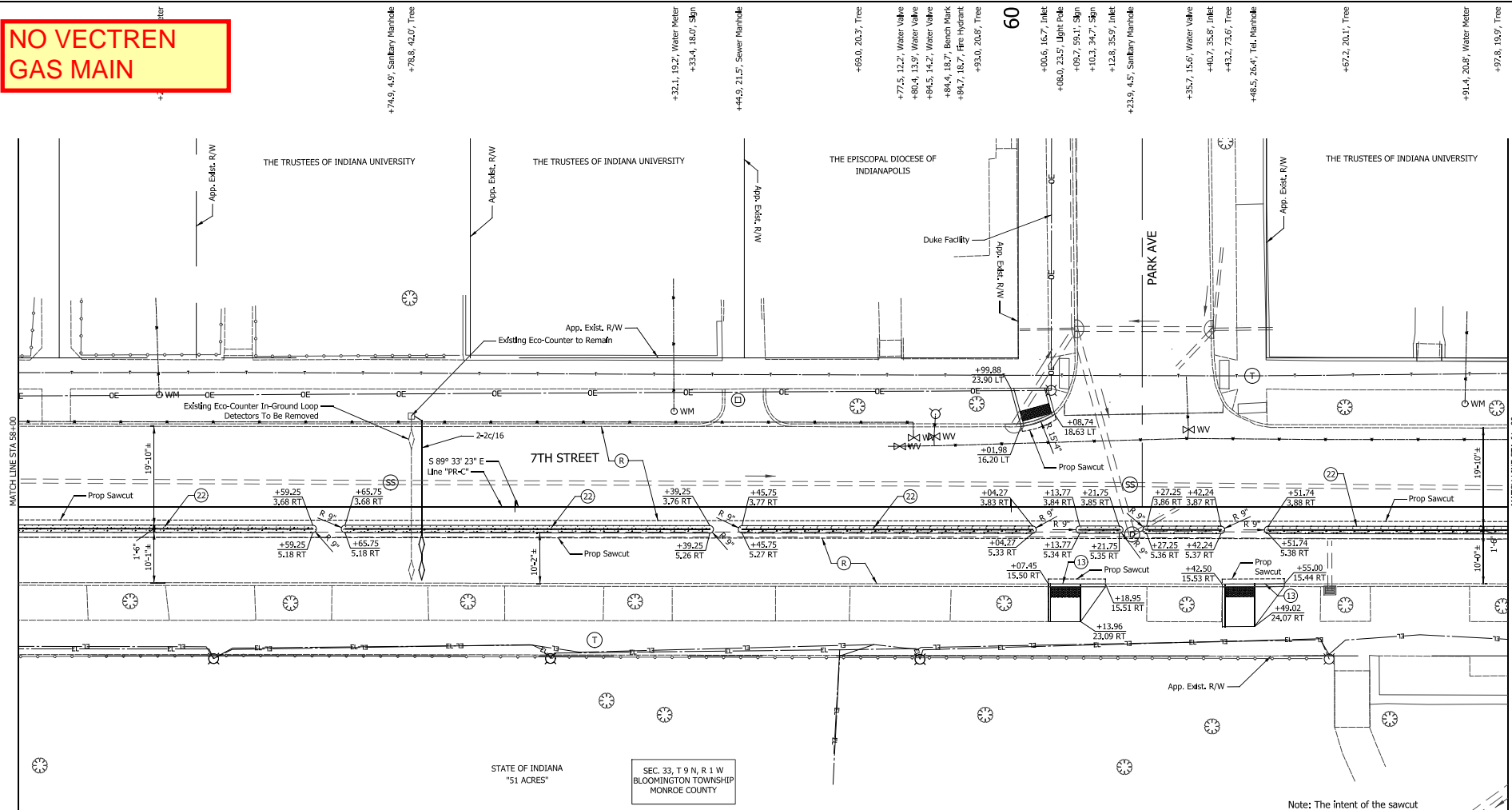
- |   |   |  |                                    |
|---|---|--|------------------------------------|
| (K) Widening with HMA, Type C<br>(See Typical Sections)   | (13) Concrete Curb (Vertical)                               | (Concrete Center Curb,<br>Type D (Modified)) | (Bus Stop)                         |
| (M) PCCP for Approaches, 6 in., on<br>Dense Graded Subbase, 6 in., on<br>Subgrade Treatment Type II | (16) Concrete Curb, Type B (Sloping)                        | (Stamped and Stained<br>Concrete)            | (Intermediate Bike Lane)           |
| (F) Concrete Sidewalk, 4"   | (17) Concrete Curb, Type B (Sloping) (Depressed)            |  | (Proposed Rain<br>Garden Location) |
| (R) Mill and Resurface (See Typical Sections)   | (22) Concrete Center Curb, Type D (Modified)                |  |                                    |
|   | (28) Raised Pedestrian Crossing (See Miscellaneous Details) |  |                                    |

RECOMMENDED FOR APPROVAL		DESIGN ENGINEER		DATE
DESIGNED: MTL	DRAWN: MRO			
CHECKED: NRM	CHECKED: MTL			

CITY OF  
BLOOMINGTON  
  
CONSTRUCTION DETAILS  
7TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	33 of 82
CONTRACT	PROJECT
N/A	2018/02336

NO VECTREN  
GAS MAIN



Note: The intent of the sawcut around the center median is to be 1.0' outside of the proposed curb line.

- |   |   |   |                               |
|---|---|---|-------------------------------|
| (K) Widening with HMA, Type C (See Typical Sections)  | (13) Concrete Curb (Vertical)                               | Concrete Center Curb, Type D (Modified) | Bus Stop                      |
| (M) PCCP for Approaches, 6 in., on Dense Graded Subbase, 6 in., on Subgrade Treatment Type II | (16) Concrete Curb, Type B (Sloping)                        | Stamped and Stained Concrete            | Intermediate Bike Lane        |
| (F) Concrete Sidewalk, 4"   | (17) Concrete Curb, Type B (Sloping) (Depressed)            |   | Proposed Rain Garden Location |
| (R) Mill and Resurface (See Typical Sections)   | (22) Concrete Center Curb, Type D (Modified)                |   |                               |
|   | (28) Raised Pedestrian Crossing (See Miscellaneous Details) |   |                               |

RECOMMENDED FOR APPROVAL		
DESIGNED:	DESIGN ENGINEER:	DATE:
CHECKED:	CHECKED:	

CITY OF BLOOMINGTON	
CONSTRUCTION DETAILS	
7TH STREET	

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	34 of 82
CONTRACT	PROJECT
N/A	2018/02336

NO CONFLICTS

EX. 2" MP PL

END PROJECT  
63+13.00 "PR-C"

LEGEND

- A FACE OF CURB  
STA +67.06, 6.95 RT  
B FACE OF CURB  
STA +77.56, 9.91 RT  
C FACE OF CURB  
STA +83.34, 11.53 RT  
D FACE OF CURB  
STA +75.40, 17.61 RT  
E FACE OF CURB  
STA +81.17, 19.23 RT  
F START OF RAIL  
STA +68.22, 5.98 RT  
G END OF RAIL  
STA +77.56, 9.91 RT  
H START OF RAIL  
STA +66.91, 12.30 RT  
I END OF RAIL  
STA +44.84, 12.34 RT  
J START OF RAIL  
STA +59.97, 12.36 RT  
K END OF RAIL  
STA +85.33, 5.94 RT

STATE OF INDIANA  
"51 ACRES"

SEC. 33, T 9 N, R 1 W  
BLOOMINGTON TOWNSHIP  
MONROE COUNTY

- (K) Widening with HMA, Type C  
(See Typical Sections)  
(M) PCCP for Approaches, 6 in., on  
Dense Graded Subbase, 6 in., on  
Subgrade Treatment Type II  
(F) Concrete Sidewalk, 4"  
(R) Mill and Resurface (See Typical Sections)  
(13) Concrete Curb (Vertical)  
(16) Concrete Curb, Type B (Sloping)  
(17) Concrete Curb, Type B (Sloping) (Depressed)  
(22) Concrete Center Curb, Type D (Modified)  
(28) Raked Pedestrian Crossing (See Miscellaneous Details)



RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MTL	DRAWN: MRO	
CHECKED: NRM	CHECKED: MTL	

CITY OF  
BLOOMINGTON

CONSTRUCTION DETAILS  
7TH STREET

HORIZONTAL SCALE	BRIDGE FILE
1" = 10'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	35 of 82
CONTRACT	PROJECT
N/A	2018/02336