

PROJECT	DESIGNATION
19-4230	N/A
CONTRACT	
N/A	

CITY OF BLOOMINGTON PLANNING AND TRANSPORTATION

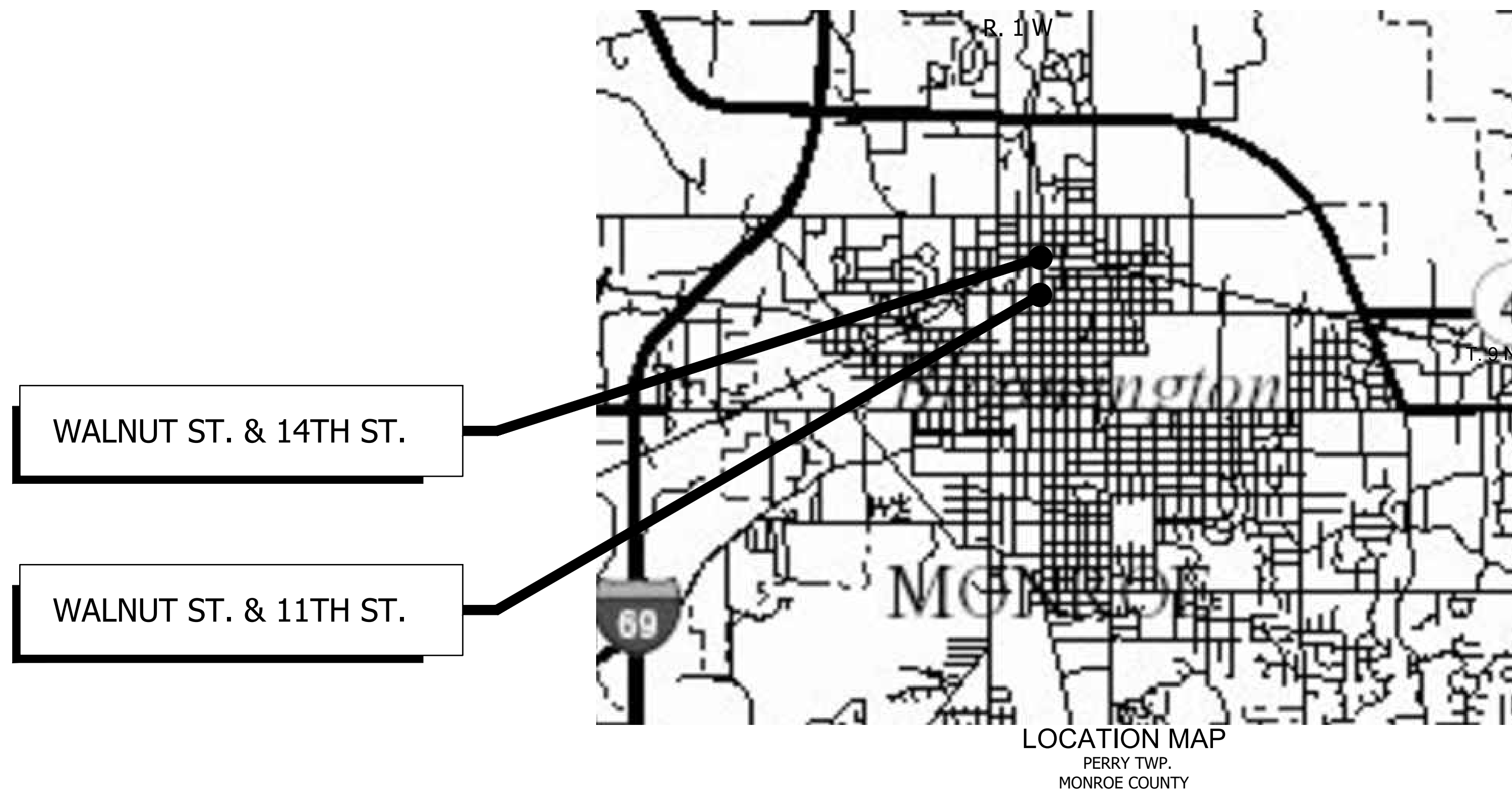
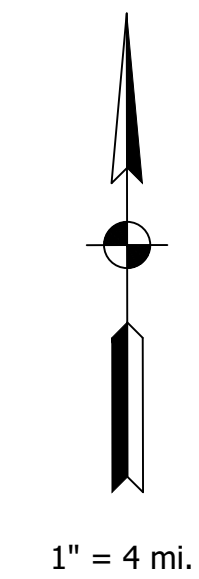
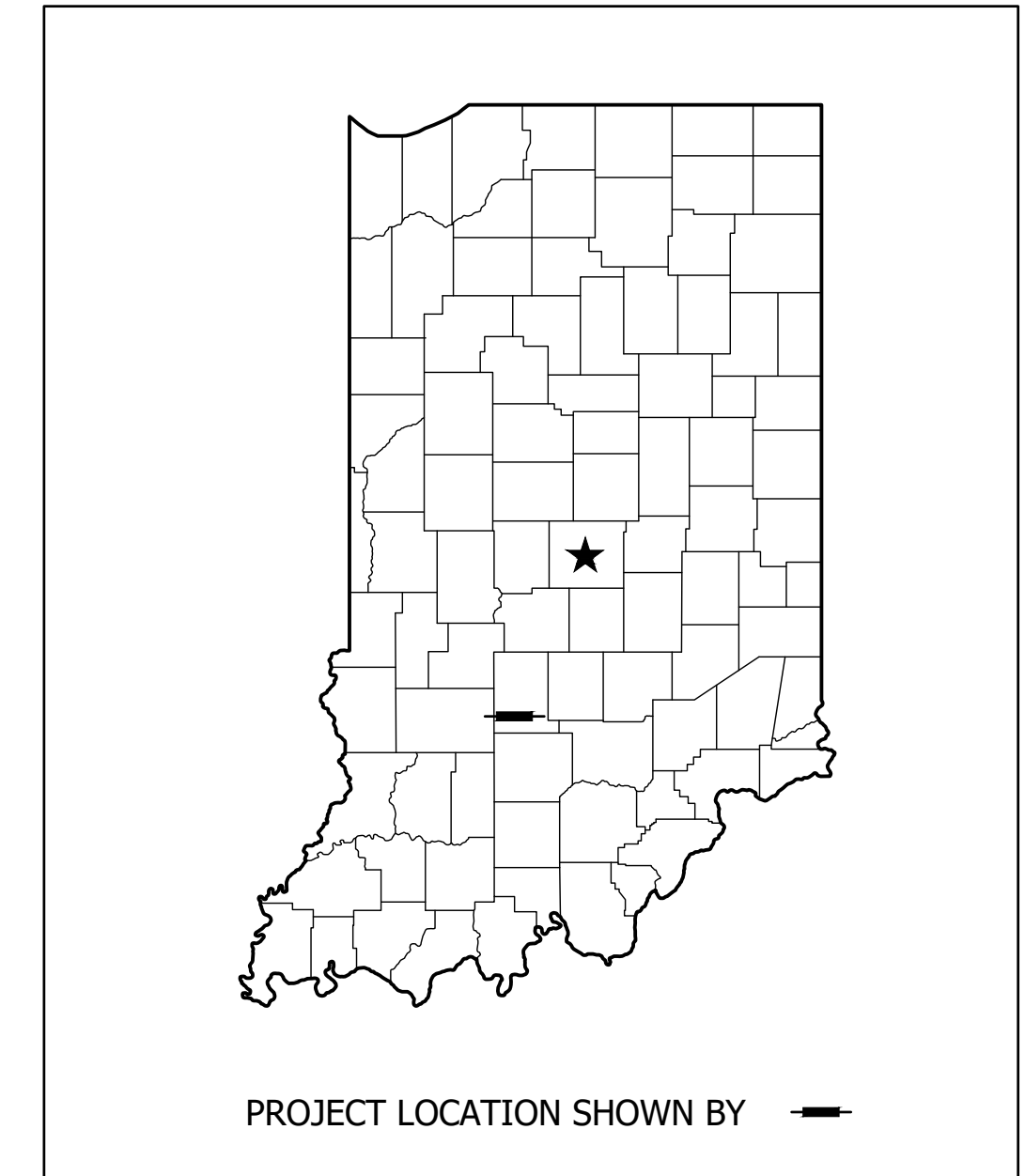
SIGNAL PLANS

WALNUT STREET SIGNALS

PROJECT NO. 19-4230 P.E.

DESIGN PLANS FOR CONSTRUCTION OF TRAFFIC SIGNALS FOR THE INTERSECTIONS OF WALNUT STREET & 11TH STREET, AND WALNUT STREET & 14TH STREET

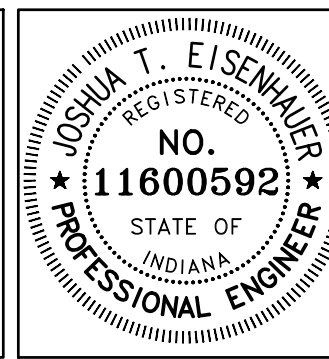
LOCATION:
LATITUDE: 35° 47' 12.2" N
LONGITUDE: 84° 09' 00.6" W



[INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS CURRENT
EDITION TO BE USED WITH THESE PLANS]

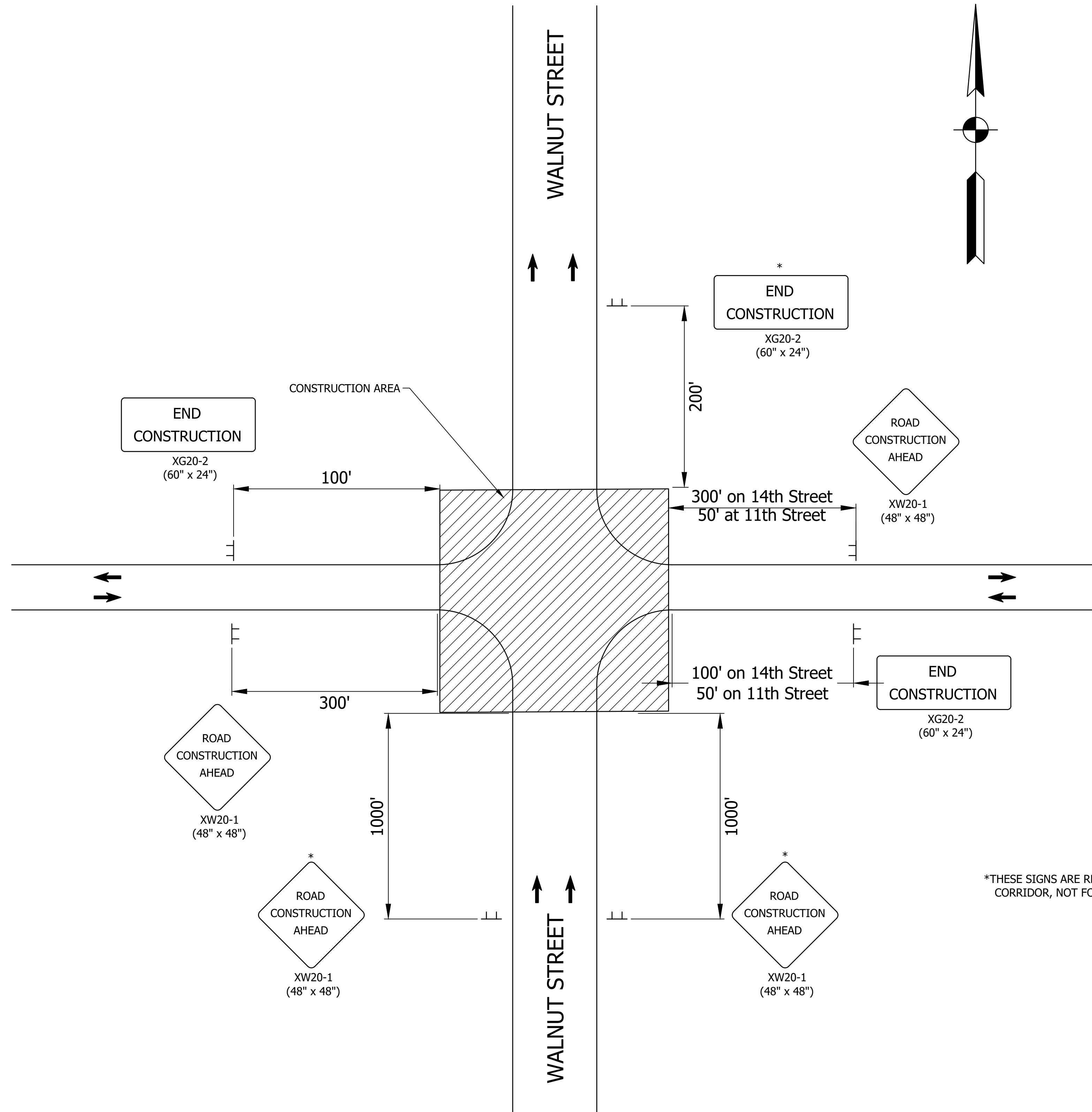
DIRECTORY...F:\2019\19-4230 bloomington signals walnut & 11th and walnut & 14th\190 sheetdrawings\01 Title and Index
 FILE4230 TITLE.dwg
 DIMSCALE...1 LTSCALE...500
 PLOTTED BY...J.Eisenhauer
 DATE.....Jul 27 2021 - 2:52pm

PLANS PREPARED BY:	VS ENGINEERING, INC.	FAX: (317) 293-4737 TEL: (812) 332-5944
CERTIFIED BY:	Joshua T. Eisenhauer, P.E.	INDIANA REG. NO. 11600592
APPROVED FOR LETTING:		DATE 6/23/2021
	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

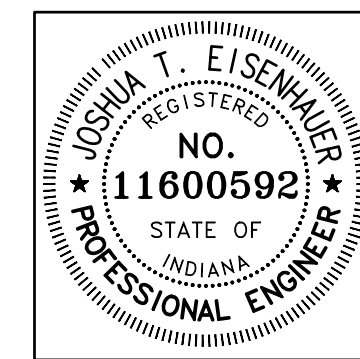


CONTRACT	N/A	DESIGNATION	N/A
		SHEETS	1 of 19
		PROJECT	19-4230

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE 1A.DWG
 DIMSCALE: 1"=20'
 PLOTTED BY: J.Eisenbrauer
 DATE: Jul 27, 2021 - 2:52pm



*THESE SIGNS ARE REQUIRED FOR THE ENTIRE CORRIDOR, NOT FOR EACH INTERSECTION.

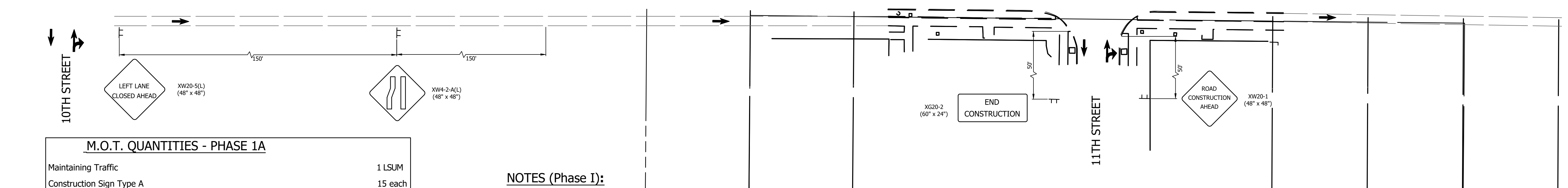
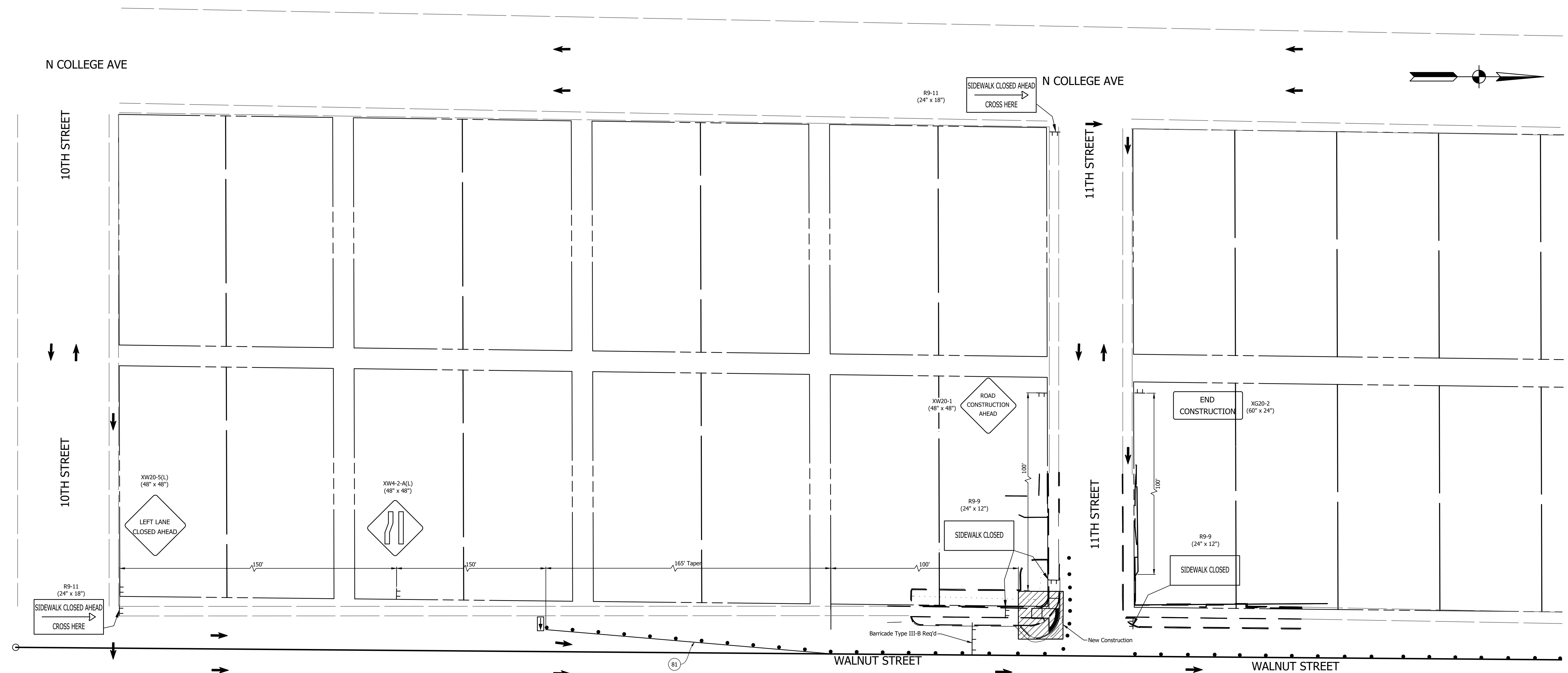


RECOMMENDED FOR APPROVAL: *Joshua T. Eisenbrauer* 6/23/2021
 DESIGN ENGINEER DATE
 DESIGNED: EWA DRAWN: EWA
 CHECKED: MWH CHECKED: JTE

CITY OF BLOOMINGTON
 MAINTENANCE OF TRAFFIC SIGNING
 VARIOUS LOCATIONS

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	3 of 19
CONTRACT	PROJECT
	19-4230

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 11th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE 1A.DWG
 DIMSCALE: 1/4" = 1'-0"
 PLOTTED BY: J.Eisenbauer
 DATE: Jul 27, 2021 - 2:52pm



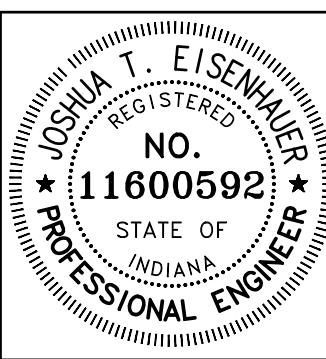
M.O.T. QUANTITIES - PHASE 1A

Maintaining Traffic	1 LSUM
Construction Sign Type A	15 each
Construction Sign Type B	8 each
Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.	165 Lft
Temporary Pavement Marking, Removable, Solid, White, 4 in.	0 Lft
Barricade Type III-B	24 Lft

- NOTES (Phase I):**
1. On Street Parking on West Side Outside of Construction Zone to be Maintained at All Times.
 2. Bike Lane on East Side to be Maintained at All Times During this Phase.

LEGEND

	Standard Drum (Spa. @ 50', 30' on Taper)	(81)	Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.
	Construction Sign	(83)	Temporary Pavement Marking, Removable, Solid, White, 4 in.
	Standard Barricade, Type III-B		
	Flashing Arrow		
	Direction of Traffic		
	Construction Area		



RECOMMENDED FOR APPROVAL: *Joshua T. Eisenbauer* 6/23/2021
 DESIGN ENGINEER DATE

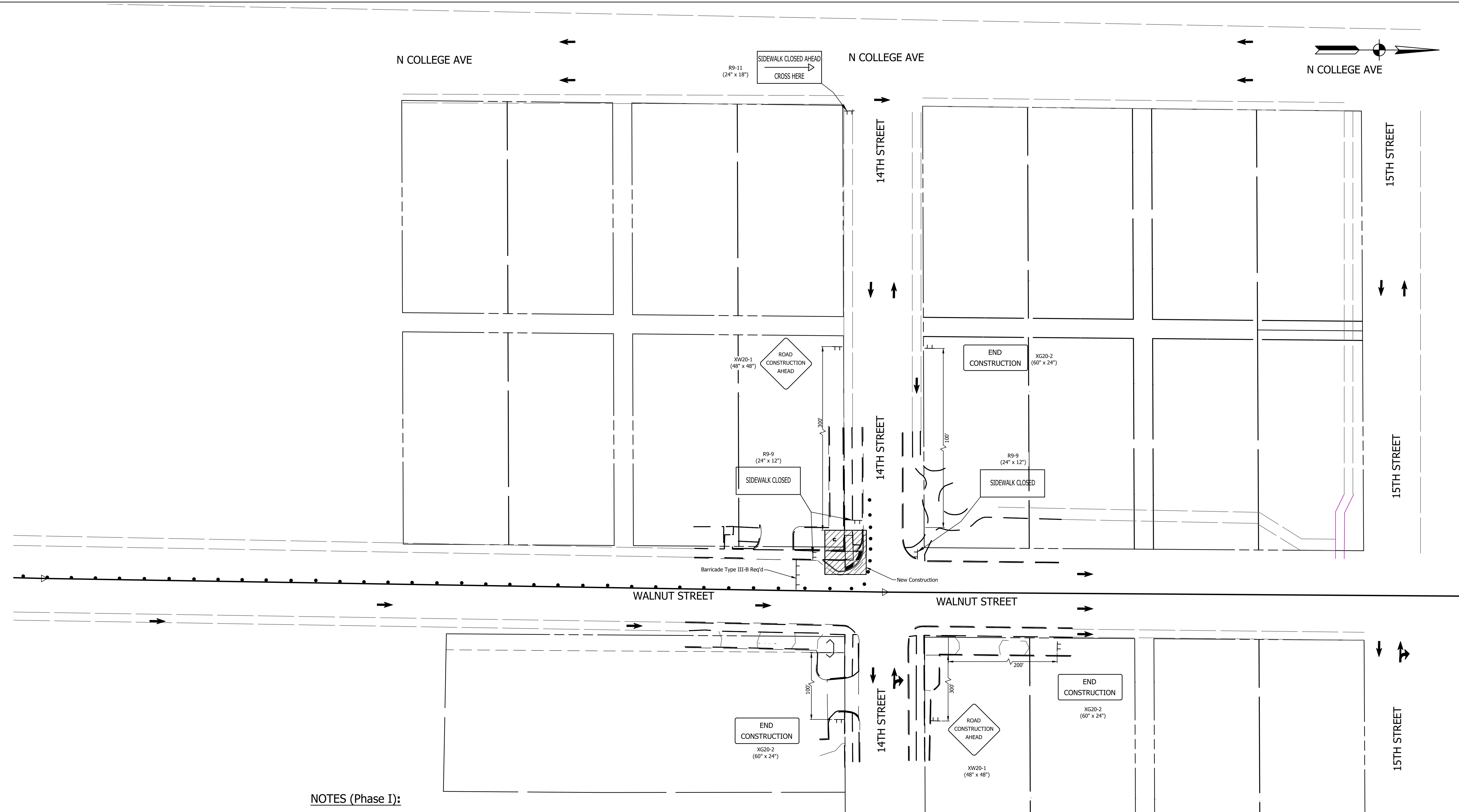
DESIGNED: EWA	DRAWN: EWA
CHECKED: MWH	CHECKED: JTE

CITY OF BLOOMINGTON

MAINTENANCE OF TRAFFIC PHASE 1A

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	4 of 19
CONTRACT	PROJECT
	19-4230

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE IA.DWG
 DIMSCALE: 1/4" = 1'-0"
 PLOTTED BY: J.Eisenbauer
 DATE: Jul 27, 2021 - 2:52pm

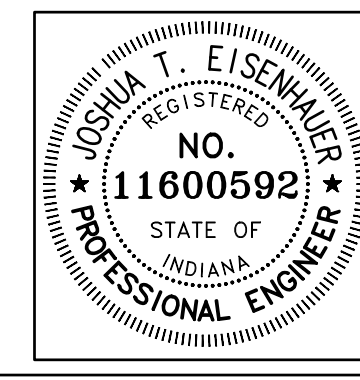


NOTES (Phase I):

1. On Street Parking on West Side Outside of Construction Zone to be Maintained at All Times.
2. Bike Lane on East Side to be Maintained at All Times During this Phase.

LEGEND

●	Standard Drum (Spa. @ 50', 30' on Taper)	(81)	Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.
TT	Construction Sign	(83)	Temporary Pavement Marking, Removable, Solid, White, 4 in.
TTT	Standard Barricade, Type III-B		
→	Flashing Arrow		
→	Direction of Traffic		
▨	Construction Area		

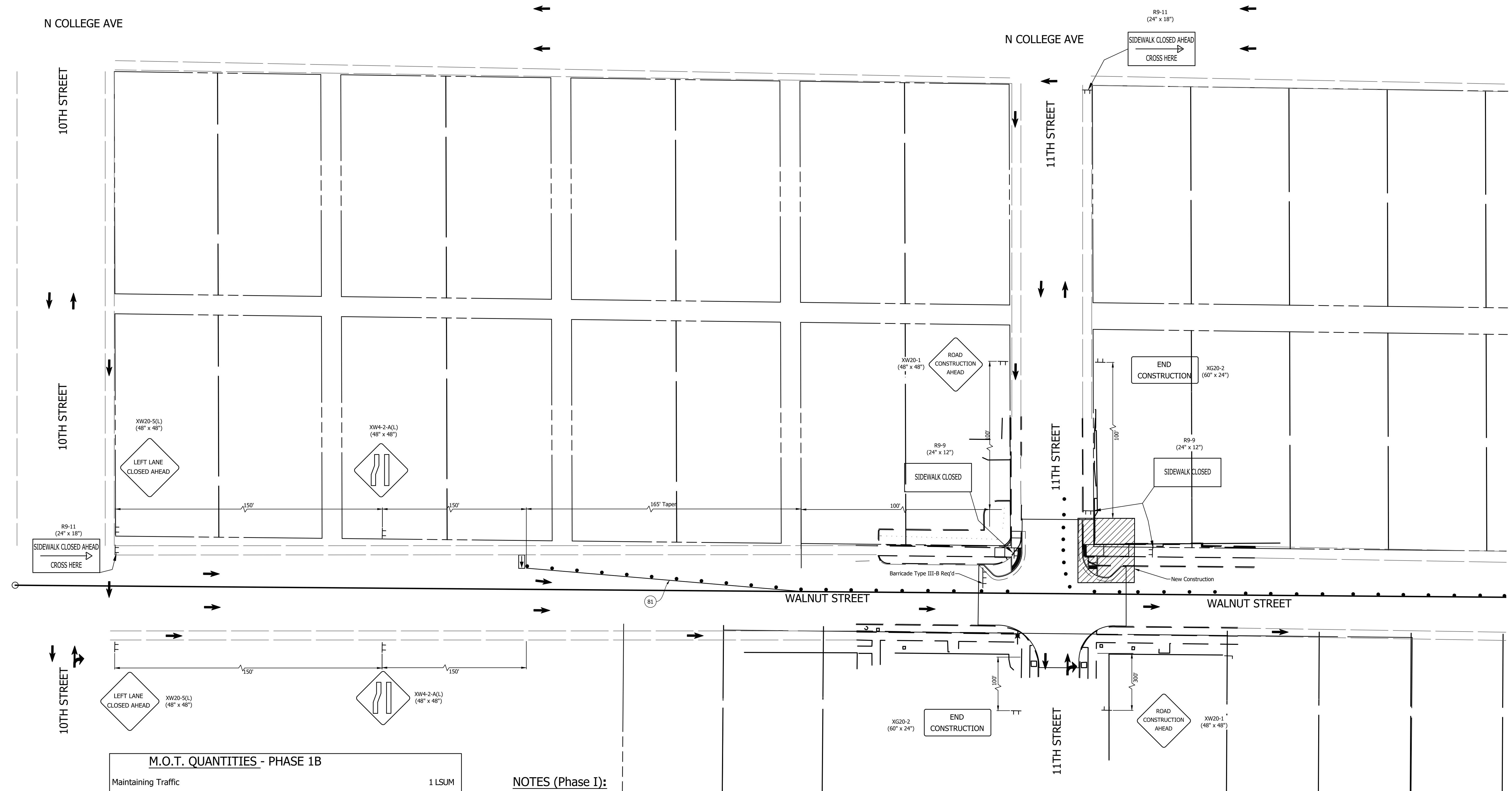
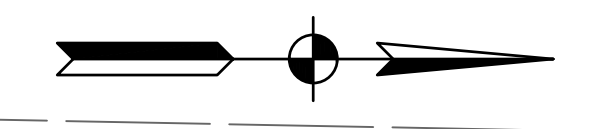


RECOMMENDED FOR APPROVAL		 DESIGN ENGINEER		6/23/2021	DATE
DESIGNED:	EWA	DRAWN:	EWA		
CHECKED:	MWH	CHECKED:	JTE		

CITY OF BLOOMINGTON	
MAINTENANCE OF TRAFFIC PHASE IA	

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	5 of 19
CONTRACT	PROJECT
	19-4230

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 11th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE 1B.DWG
 DIMSCALE: 1/8" = 1'-0"
 PLOTTED BY: J.Eisenbauer
 DATE: Jul 27, 2021 - 2:53pm



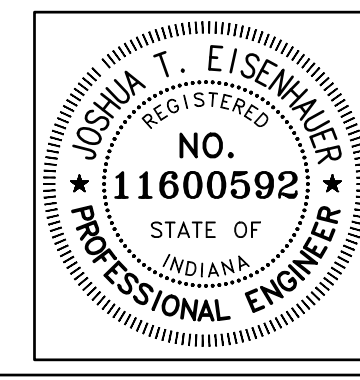
M.O.T. QUANTITIES - PHASE 1B	
Maintaining Traffic	1 LSUM
Construction Sign Type A	15 each
Construction Sign Type B	8 each
Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.	165 Lft
Temporary Pavement Marking, Removable, Solid, White, 4 in.	0 Lft
Barricade Type III-B	24 Lft

NOTES (Phase I):

1. On Street Parking on West Side Outside of Construction Zone to be Maintained at All Times.
2. Bike Lane on East Side to be Maintained at All Times During this Phase.

LEGEND

	Standard Drum (Spa. @ 50', 30' on Taper)	(81)	Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.
	Construction Sign	(83)	Temporary Pavement Marking, Removable, Solid, White, 4 in.
	Standard Barricade, Type III-B		
	Flashing Arrow		
	Direction of Traffic		
	Construction Area		

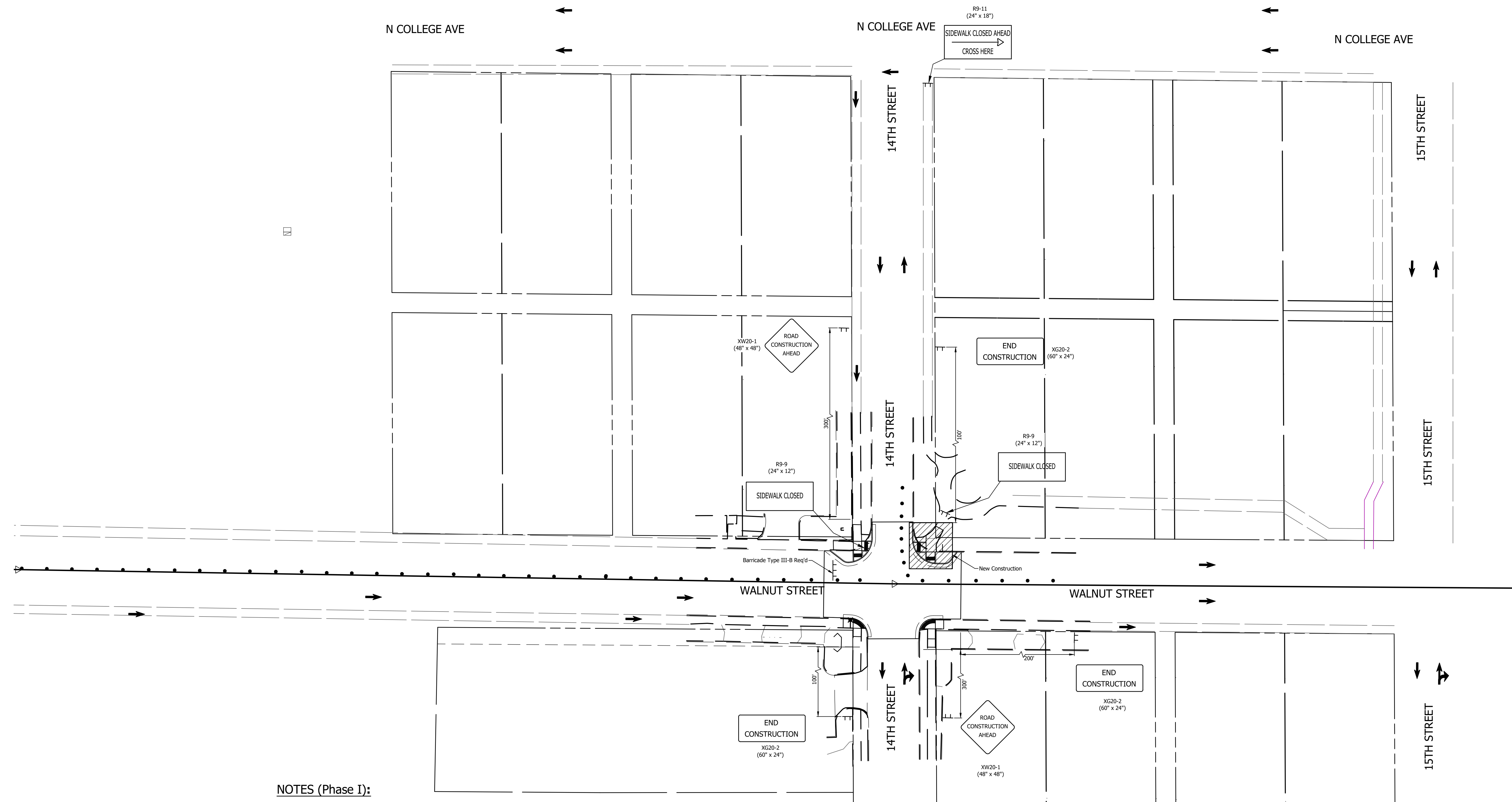
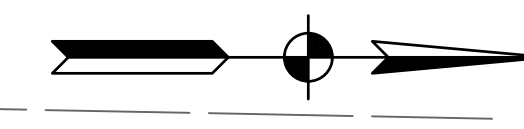


RECOMMENDED FOR APPROVAL	<i>Joshua T. Eisenbauer</i>	6/23/2021	DATE
DESIGNED:	EWA	DRAWN:	EWA
CHECKED:	MWH	CHECKED:	JTE

CITY OF BLOOMINGTON	
MAINTENANCE OF TRAFFIC PHASE 1B	

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	6 of 19
CONTRACT	PROJECT
	19-4230

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE IB.DWG
 DIMSCALE: 1/4" = 1'-0"
 PLOTTED BY: J.Eisenbauer
 DATE: Jul 27, 2021 - 2:53pm

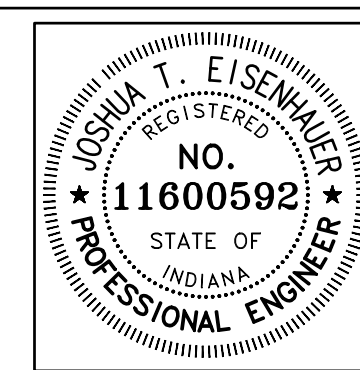


NOTES (Phase I):

1. On Street Parking on West Side Outside of Construction Zone to be Maintained at All Times.
2. Bike Lane on East Side to be Maintained at All Times During this Phase.

LEGEND

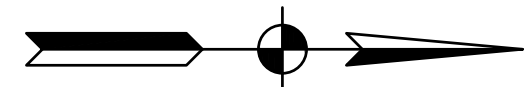
	Standard Drum (Spa. @ 50', 30' on Taper)	(81)	Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.
	Construction Sign	(83)	Temporary Pavement Marking, Removable, Solid, White, 4 in.
	Standard Barricade, Type III-B		
	Flashing Arrow		
	Direction of Traffic		
	Construction Area		



RECOMMENDED FOR APPROVAL		<i>Joshua T. Eisenbauer</i> 6/23/2021	
		DESIGN ENGINEER DATE	
DESIGNED: EWA	DRAWN: EWA		
CHECKED: MWH	CHECKED: JTE		

CITY OF BLOOMINGTON	
MAINTENANCE OF TRAFFIC PHASE IB	

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	7 of 19
CONTRACT	PROJECT
	19-4230



N COLLEGE AVE

N COLLEGE AVE

10TH STREET

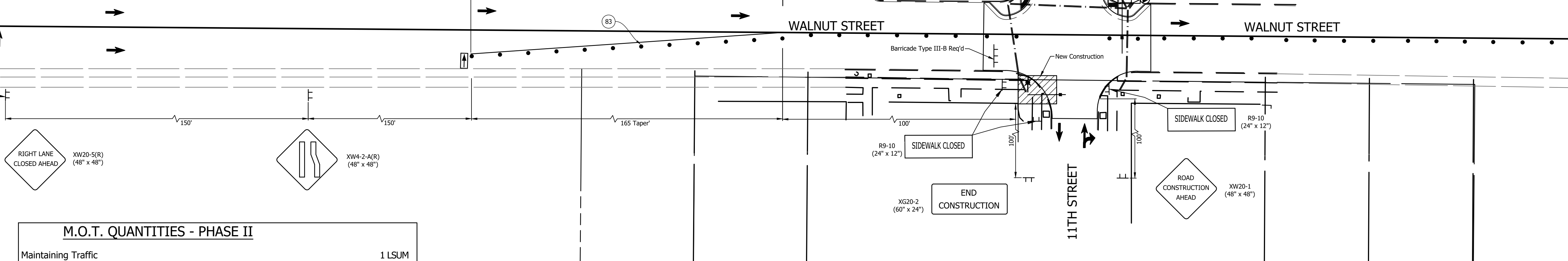
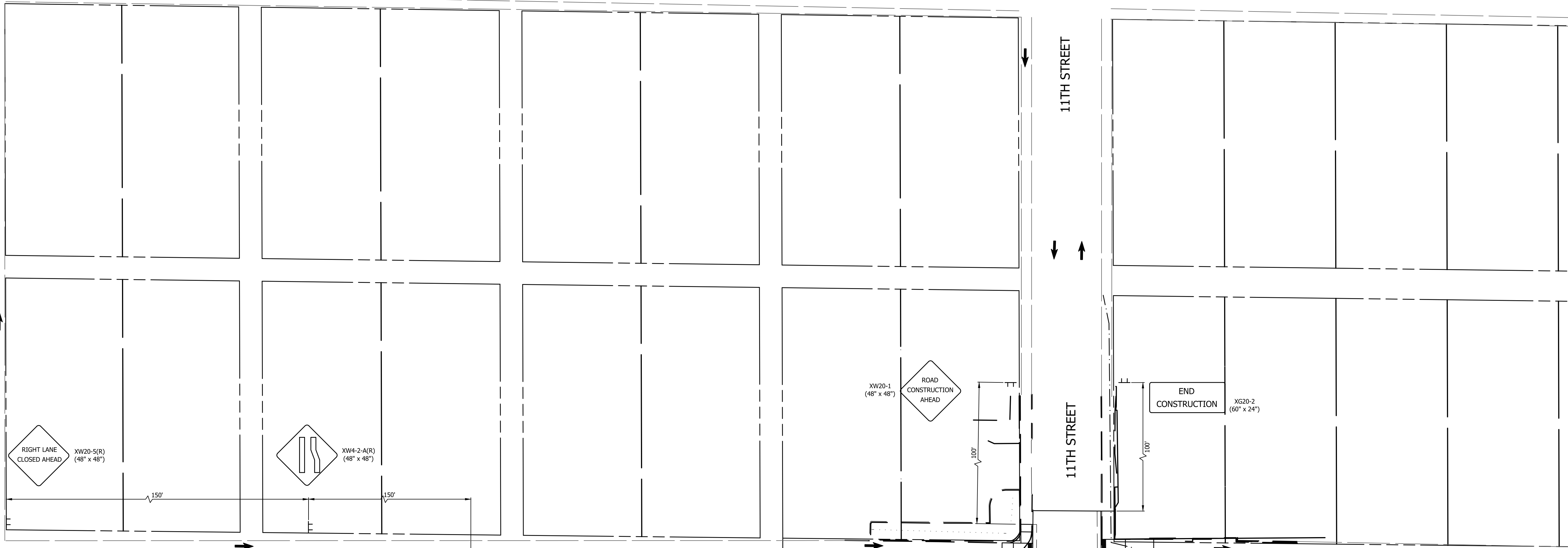
11TH STREET

10TH STREET

11TH STREET

WALNUT STREET

WALNUT STREET

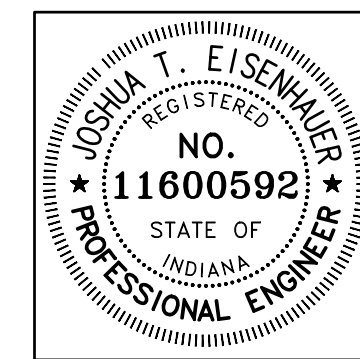


M.O.T. QUANTITIES - PHASE II	
Maintaining Traffic	1 LSUM
Construction Sign Type A	15 each
Construction Sign Type B	6 each
Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.	0 Lft
Temporary Pavement Marking, Removable, Solid, White, 4 in.	165 Lft
Barricade Type III-B	24 Lft

NOTE (Phase II):
 1. On Street Parking on West Side to be Maintained at All Times.

LEGEND

- Standard Drum (Spa. @ 50', 30' on Taper) (81) Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.
- TT Construction Sign (83) Temporary Pavement Marking, Removable, Solid, White, 4 in.
- TTT Standard Barricade, Type III-B
- Flashing Arrow
- Direction of Traffic
- Construction Area



RECOMMENDED FOR APPROVAL: *Joshua T. Eisenhauer* 6/23/2021
 DESIGN ENGINEER DATE

DESIGNED: EWA DRAWN: EWA
 CHECKED: MWH CHECKED: JTE

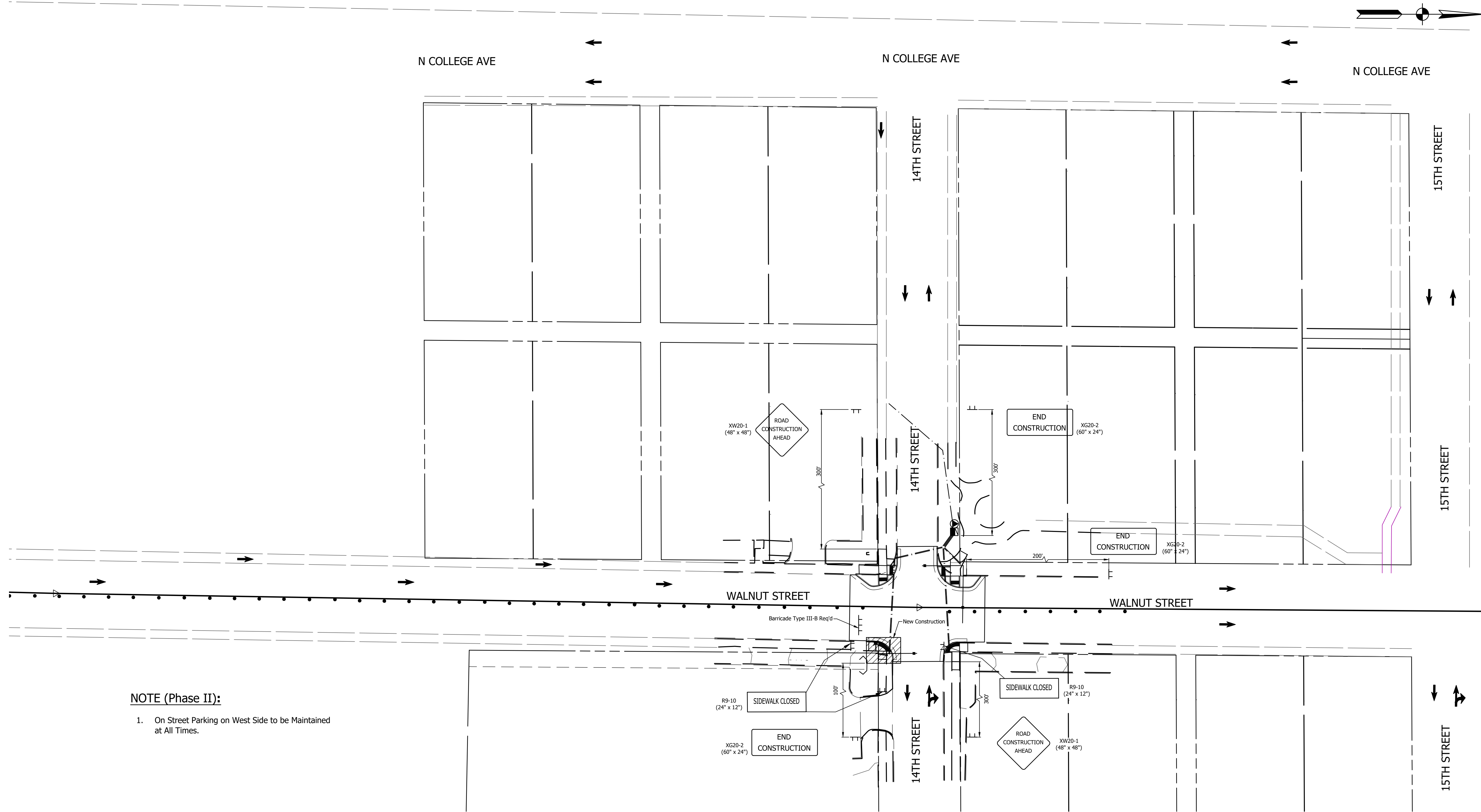
CITY OF BLOOMINGTON

MAINTENANCE OF TRAFFIC PHASE IIA

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	8 of 19
CONTRACT	PROJECT
	19-4230

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 11th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE IIA.DWG
 DIMSCALE: 1/8"=1'-0"
 PLOTTED BY: J.Eisenhauer
 DATE: Jul 27, 2021 - 2:53pm

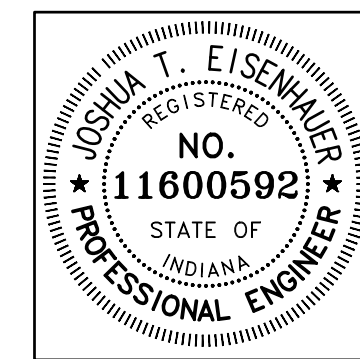
DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE IIA.DWG
 DIMSCALE: 1/4" = 10'-0"
 PLOTTED BY: J.Eisenhauer
 DATE: Jul 27, 2021 - 2:53pm



NOTE (Phase II):

- On Street Parking on West Side to be Maintained at All Times.

LEGEND	
	Standard Drum (Spa. @ 50', 30' on Taper) (81) Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.
	Construction Sign (83) Temporary Pavement Marking, Removable, Solid, White, 4 in.
	Standard Barricade, Type III-B
	Flashing Arrow
	Direction of Traffic
	Construction Area



RECOMMENDED FOR APPROVAL		 DESIGN ENGINEER DATE 6/23/2021	
DESIGNED: EWA	DRAWN: EWA		
CHECKED: MWH	CHECKED: JTE		

CITY OF BLOOMINGTON	
MAINTENANCE OF TRAFFIC PHASE IIA	

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	9 of 19
CONTRACT	PROJECT
	19-4230

N COLLEGE AVE

N COLLEGE AVE

10TH STREET

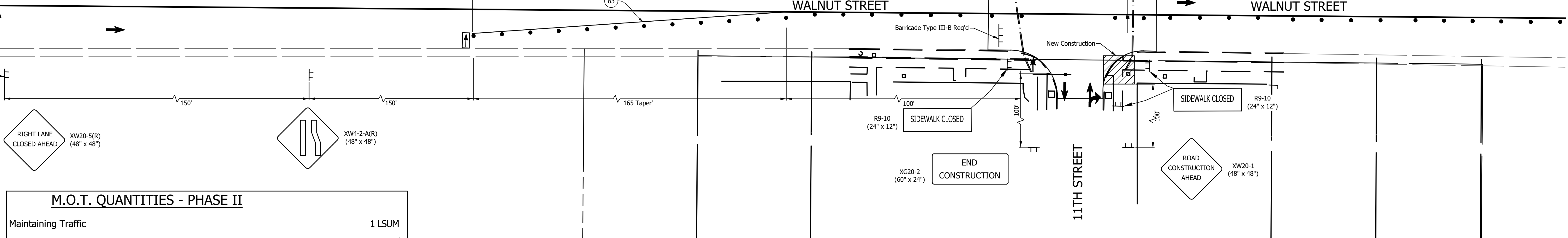
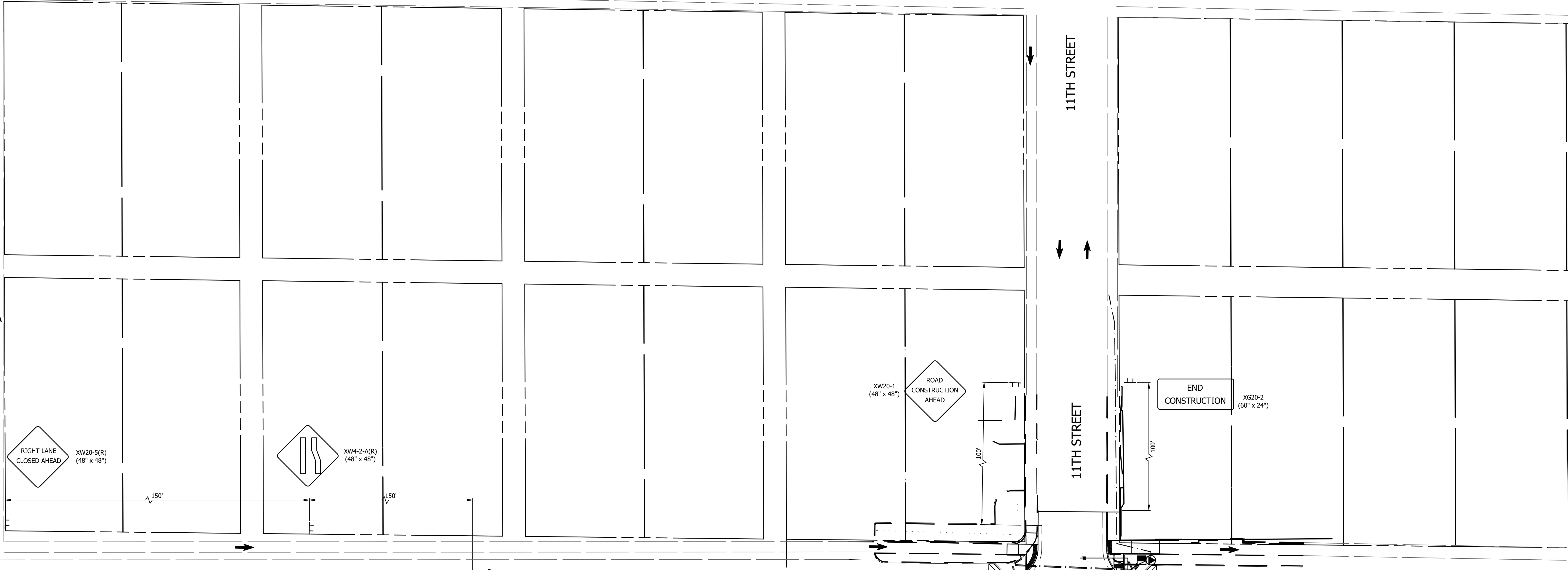
11TH STREET

10TH STREET

11TH STREET

WALNUT STREET

WALNUT STREET



M.O.T. QUANTITIES - PHASE II

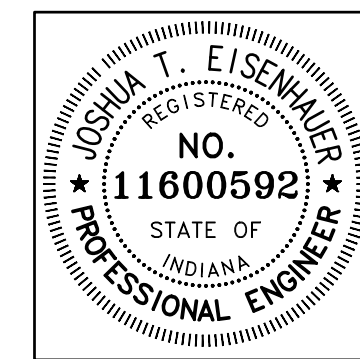
Maintaining Traffic	1 LSUM
Construction Sign Type A	15 each
Construction Sign Type B	8 each
Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.	0 Lft
Temporary Pavement Marking, Removable, Solid, White, 4 in.	165 Lft
Barricade Type III-B	24 Lft

NOTE (Phase II):

- On Street Parking on West Side to be Maintained at All Times.

LEGEND

- Standard Drum (Spa. @ 50', 30' on Taper) (81)
- TT Construction Sign (83)
- TTT Standard Barricade, Type III-B
- ⬇ Flashing Arrow
- ➔ Direction of Traffic
- ▨ Construction Area
- Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.
- Temporary Pavement Marking, Removable, Solid, White, 4 in.



RECOMMENDED FOR APPROVAL: *Joshua T. Eisenhauer* 6/23/2021
DESIGN ENGINEER DATE

DESIGNED: EWA DRAWN: EWA
CHECKED: MWH CHECKED: JTE

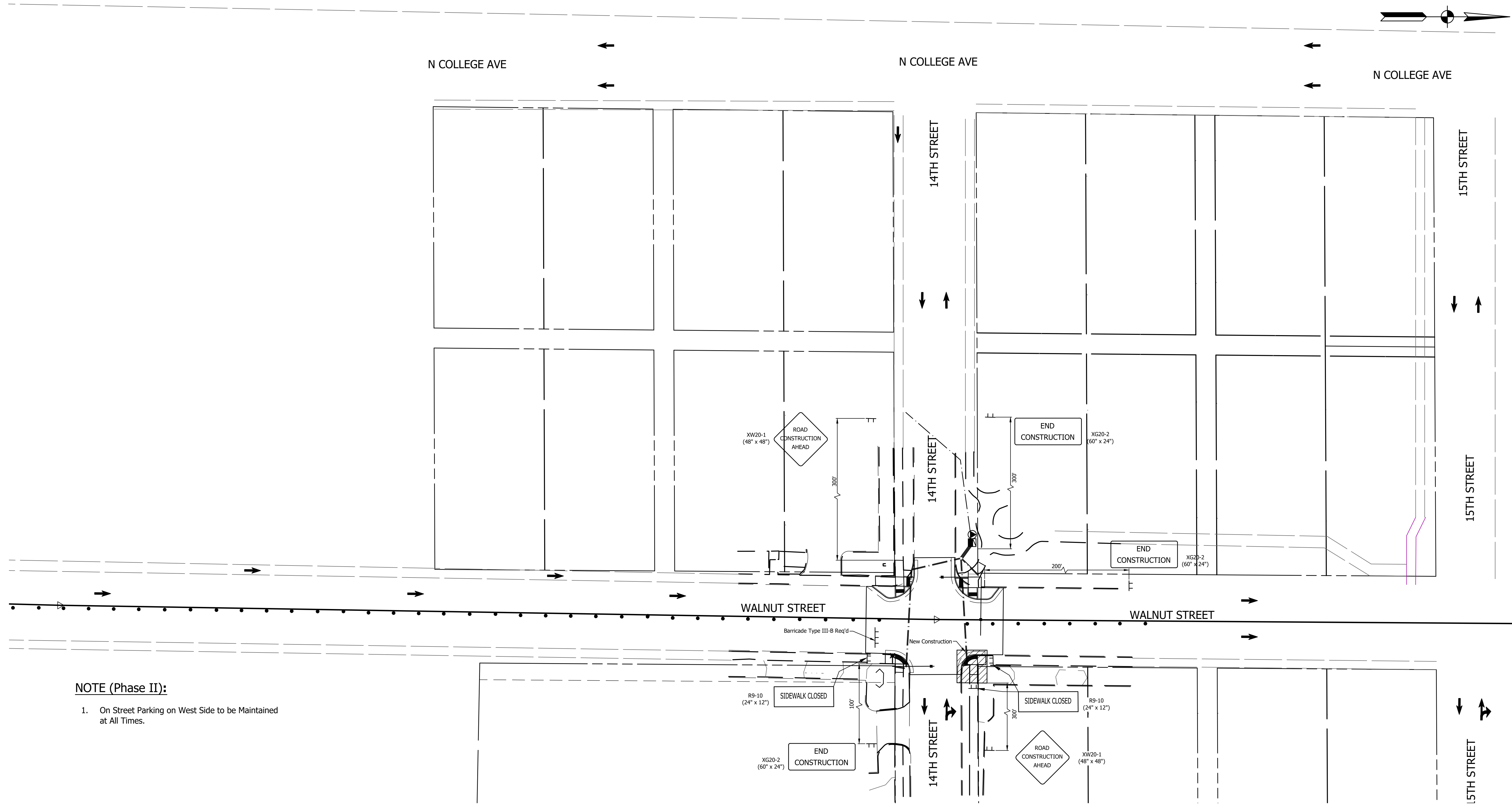
CITY OF BLOOMINGTON

MAINTENANCE OF TRAFFIC PHASE IIB

HORIZONTAL SCALE	BRIDGE FILE
1"=30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	10 of 19
CONTRACT	PROJECT
	19-4230

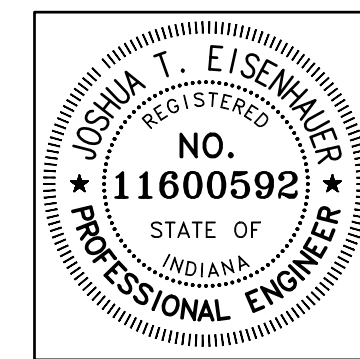
DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 11th and 14th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE IIB.DWG
 DIMSCALE: 1/8"=1'-0"
 PLOTTED BY: J.Eisenhauer
 DATE: Jul 27, 2021 - 2:53pm

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\10 MOT\10 MOT Plans\
 FILE: 19-4230 MOT PHASE IIB.DWG
 DIMSCALE: 1/4" = 10'-0"
 PLOTTED BY: J.Eisenbauer
 DATE: Jul 27, 2021 - 2:53pm



NOTE (Phase II):
 1. On Street Parking on West Side to be Maintained at All Times.

LEGEND	
●	Standard Drum (Spa. @ 50', 30' on Taper)
TT	Construction Sign
TTT	Standard Barricade, Type III-B
↔	Flashing Arrow
→	Direction of Traffic
▨	Construction Area
(81)	Temporary Pavement Marking, Removable, Solid, Yellow, 4 in.
(83)	Temporary Pavement Marking, Removable, Solid, White, 4 in.

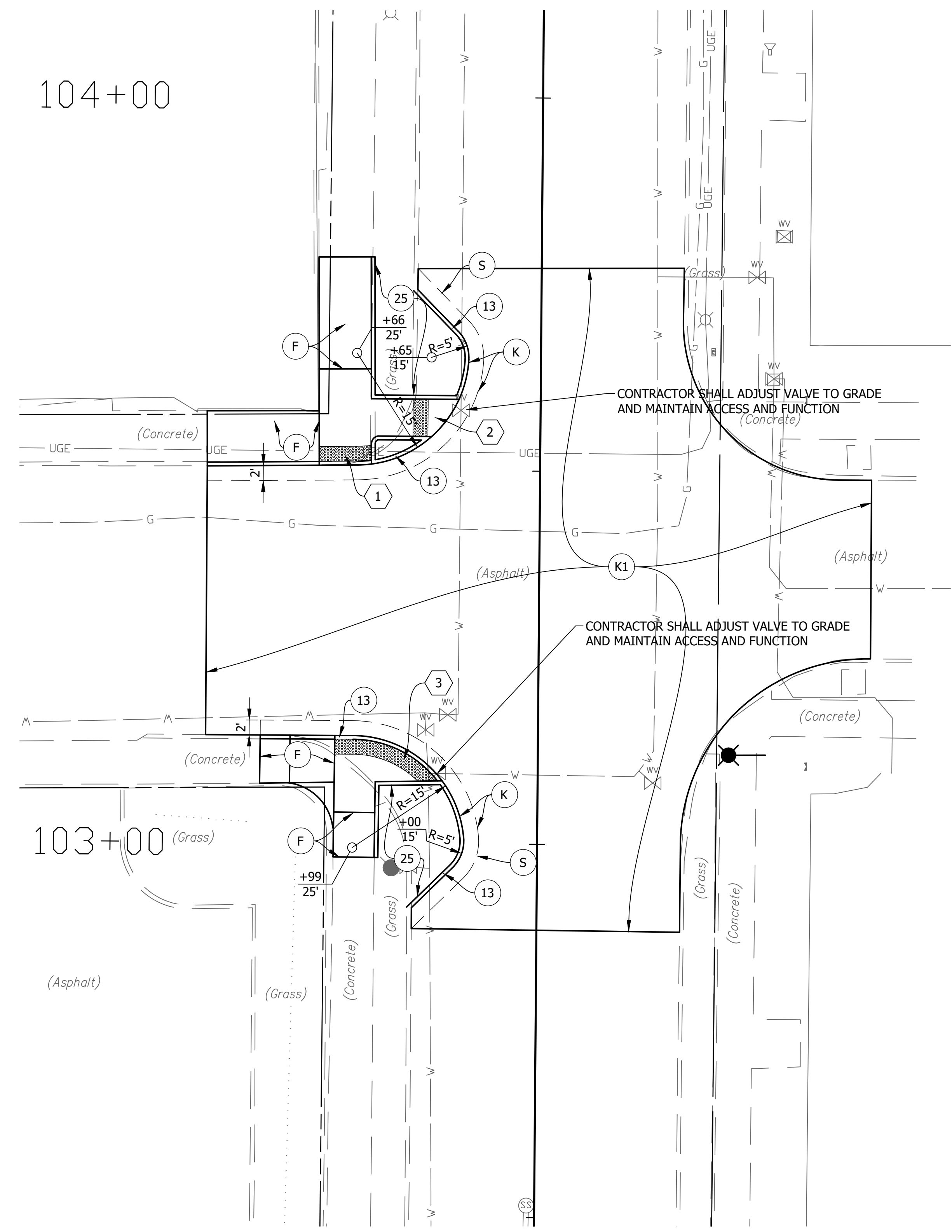


RECOMMENDED FOR APPROVAL	<i>Joshua T. Eisenbauer</i>	6/23/2021
DESIGNED:	EWA	DRAWN:
CHECKED:	MWH	CHECKED:
		JTE

CITY OF BLOOMINGTON	
MAINTENANCE OF TRAFFIC PHASE IIB	

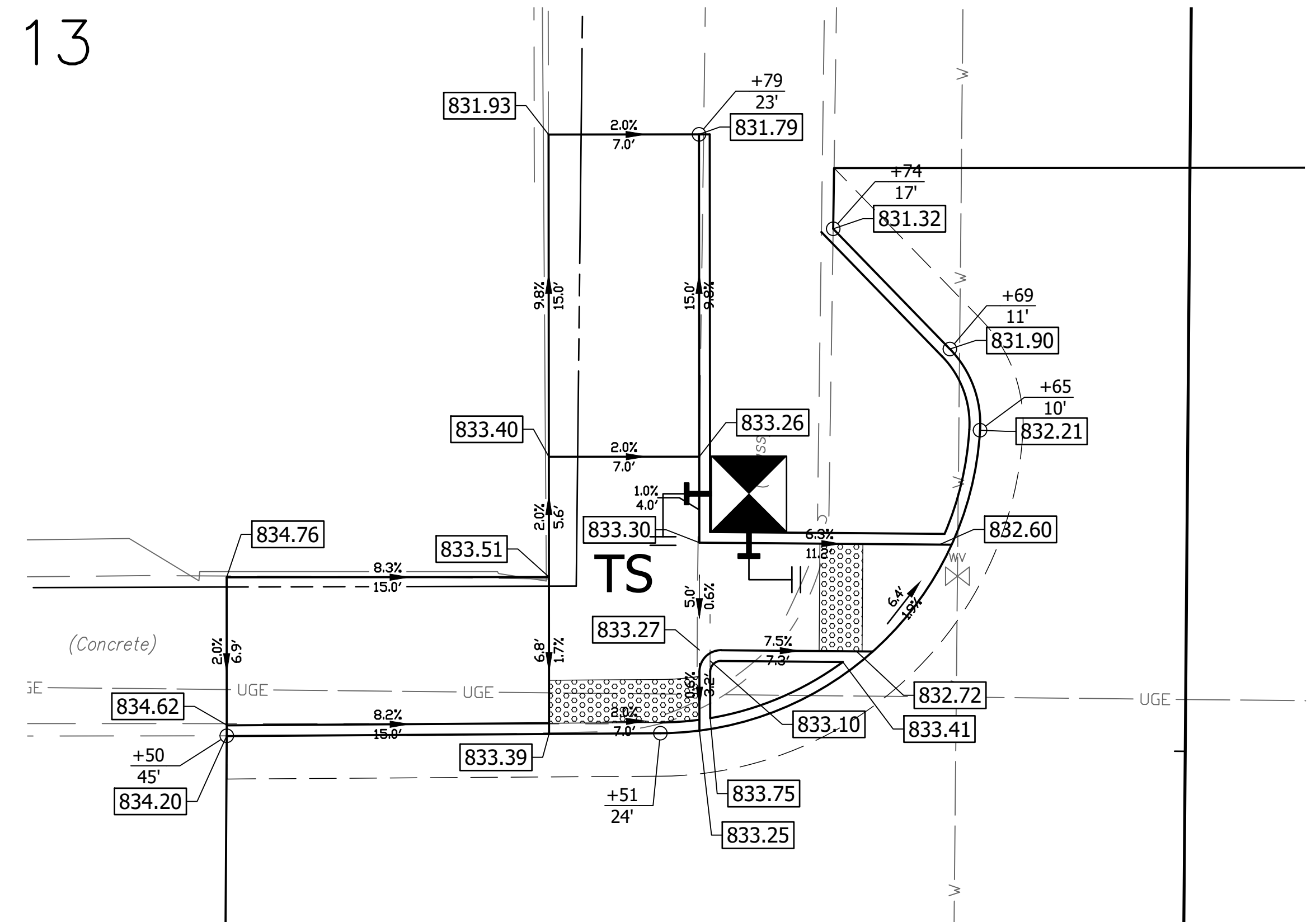
HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
	11 of 19
CONTRACT	PROJECT
	19-4230

104+00

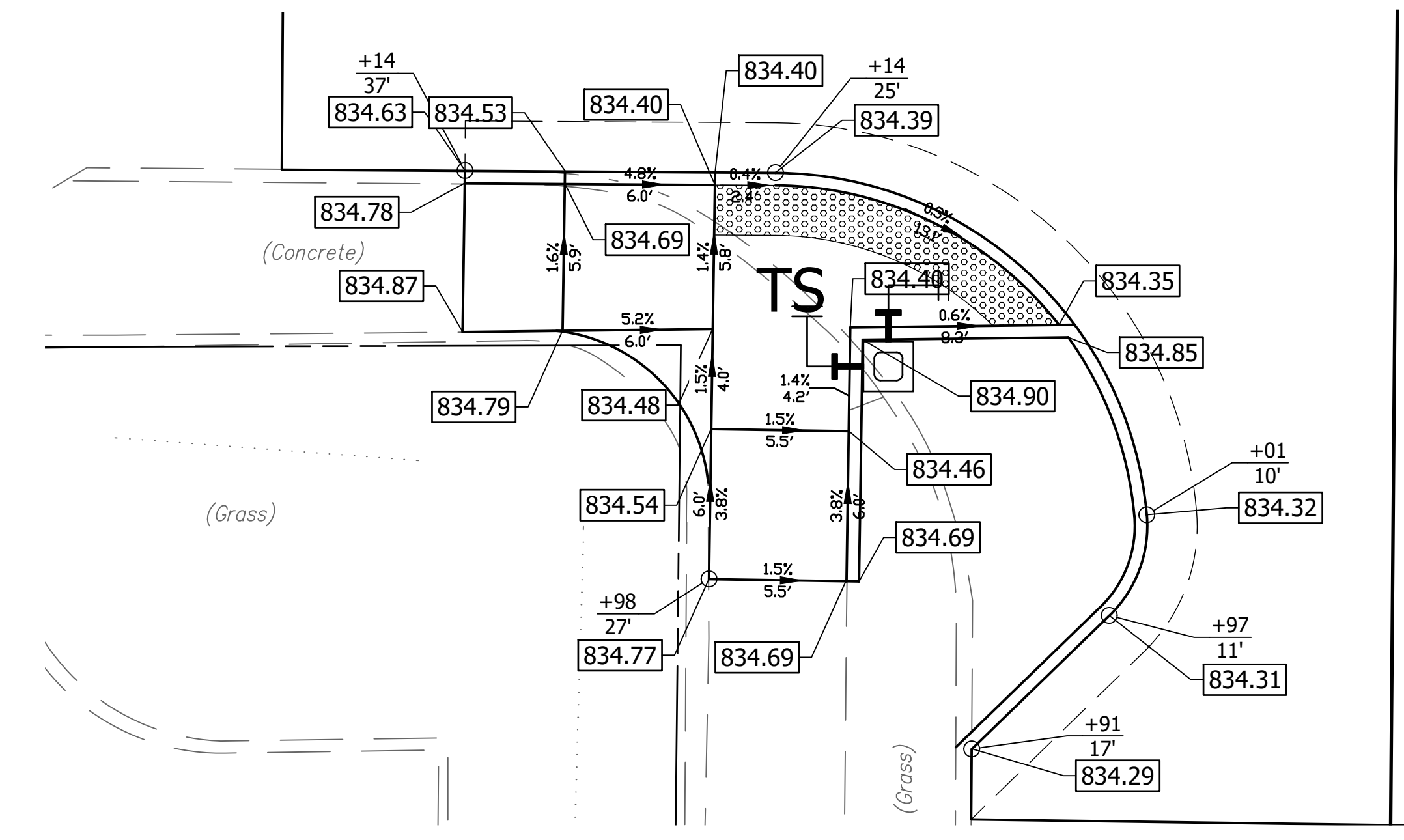


CONSTRUCTION DETAILS & GRADING

13



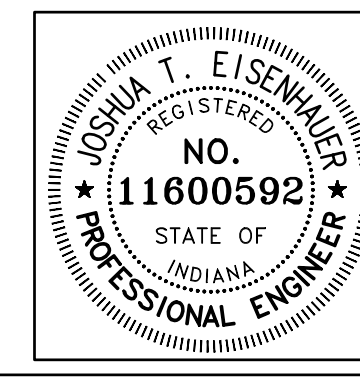
CURB RAMP DETAILS
RAMP #1 & RAMP #2



CURB RAMP DETAILS
RAMP #3

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\25 CDs\
 FILE: 19-4230 CD & GRADING PLANS.DWG
 DIMSCALE: 1/8" = 1'-0"
 PLOTTED BY: J.Eisenhauer
 DATE: Jul 27, 2021 - 2:54pm

LEGEND	
(F)	Sidewalk, Concrete, 4 in. on 4 in. Compacted Aggregate No. 53
(S)	Sawcut, Full Depth
(K)	HMA Patching (See Detail Sht 2)
(13)	Concrete Curb (See Detail Sht. 2)
(K1)	165" HMA Surface on 1.5" Milling on Wedge & Level (Where Needed)
(25)	Mulched Seeding
(Ramp #)	Concrete Curb Ramp # (See Detail This Sht)



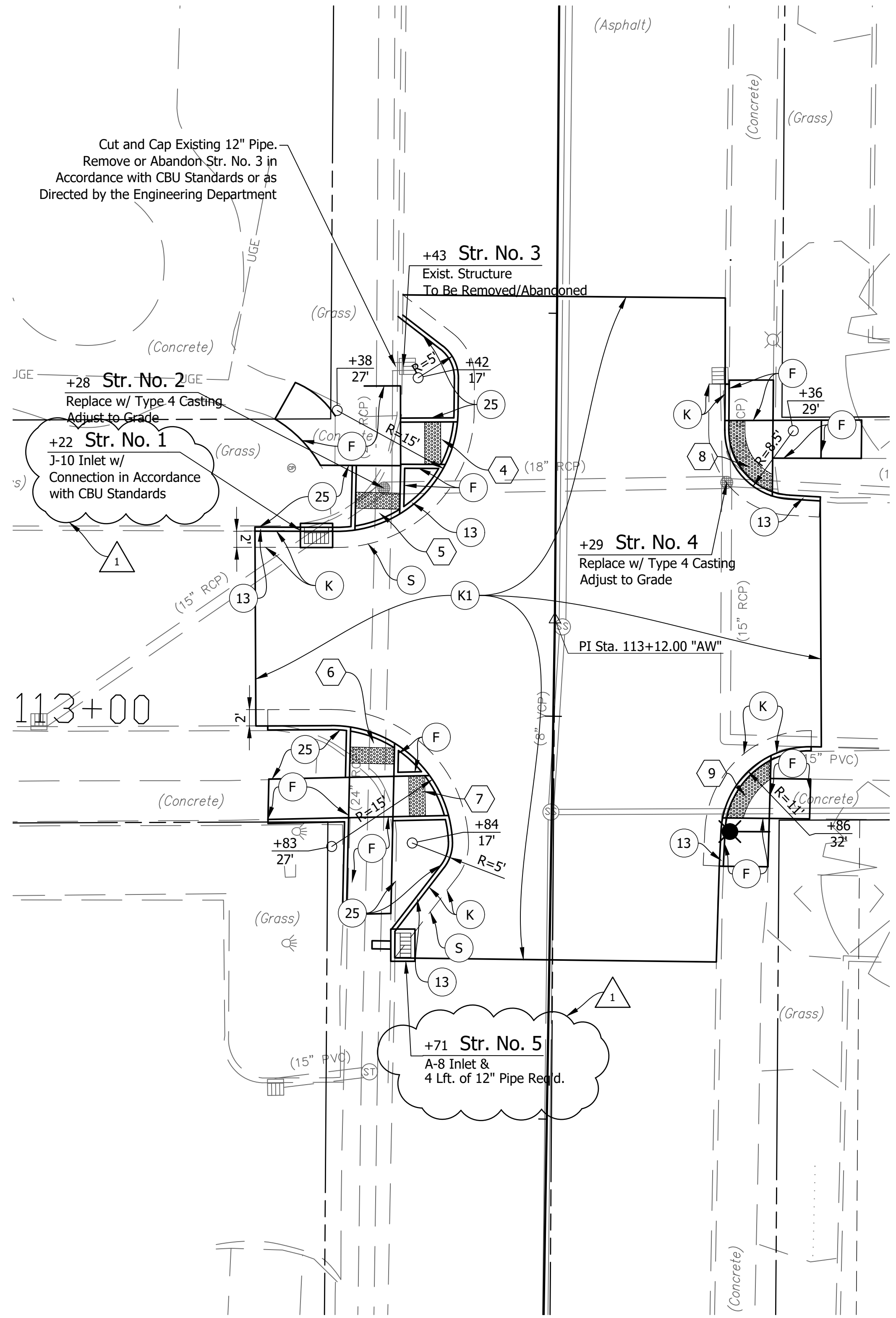
RECOMMENDED FOR APPROVAL	<i>Joshua T. Eisenhauer</i>	6/23/2021
DESIGNED:	JTE	DRAWN:
CHECKED:	NRJ	CHECKED:
		VSENG
		JTE

CITY OF BLOOMINGTON

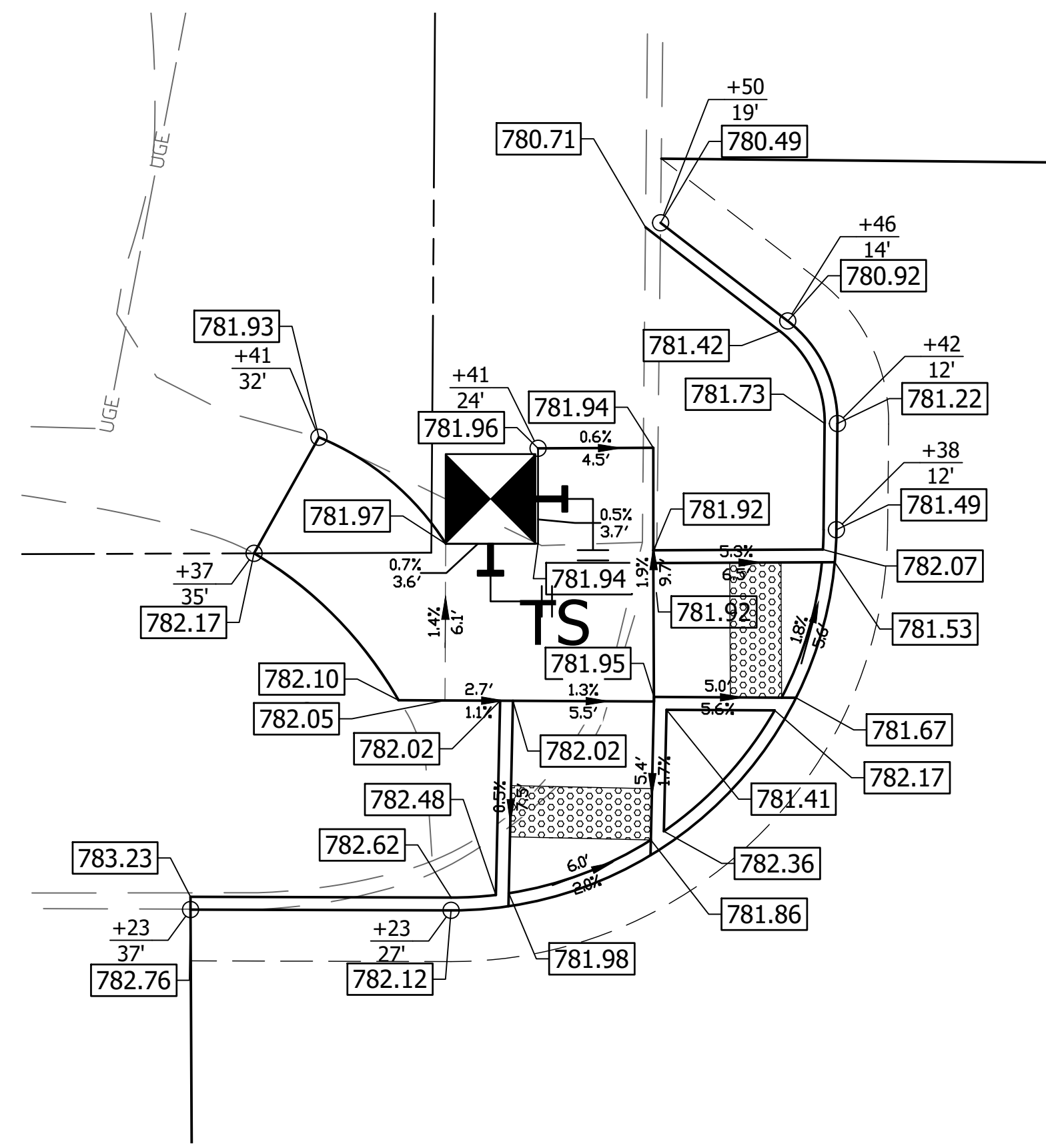
 WALNUT ST. & 11TH ST.
 CONSTRUCTION DETAILS & GRADING

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
CONTRACT	N/A
	SHEETS
	12 of 19
	PROJECT
	19-4230

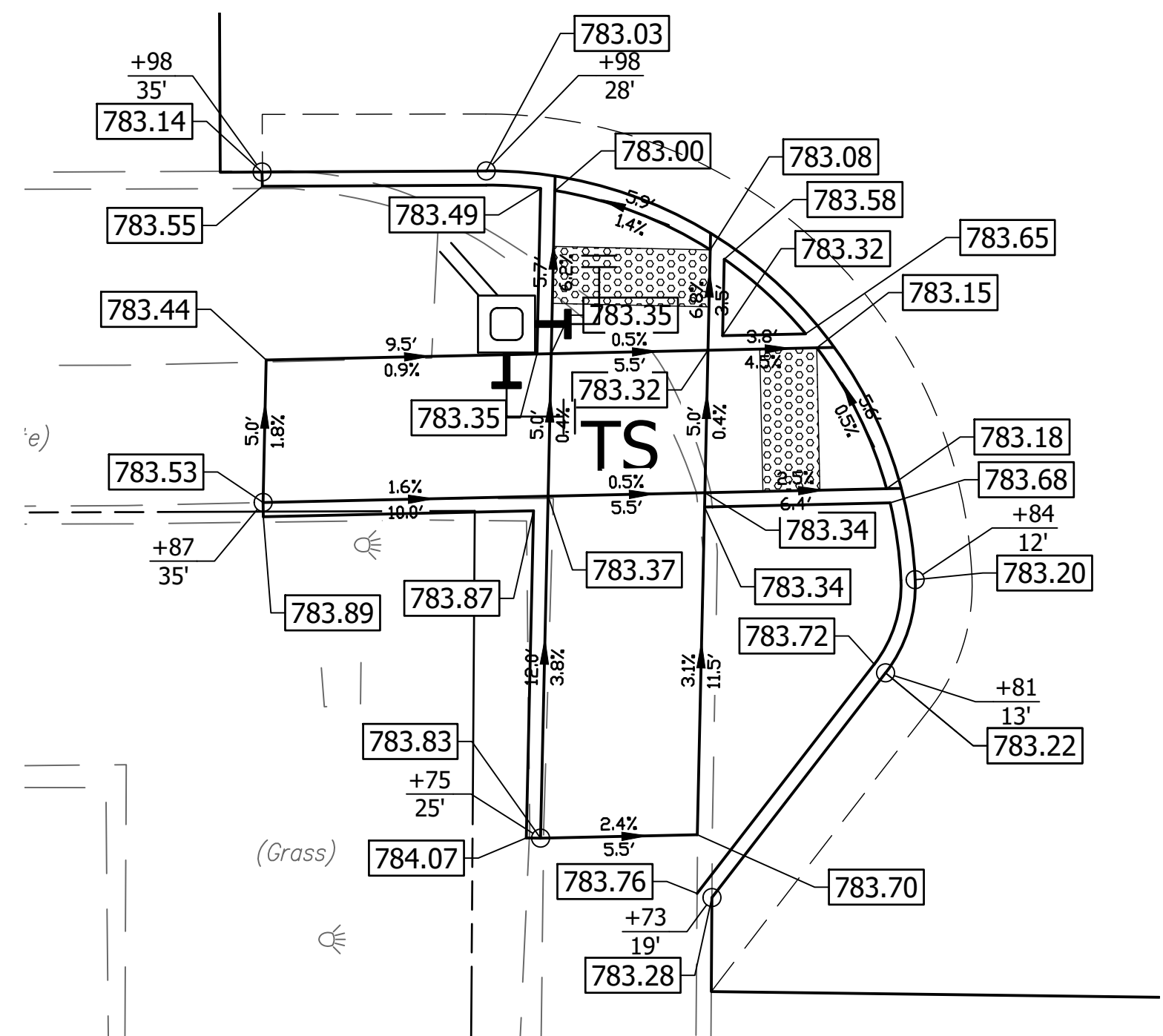
DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\25 CDs\
 FILE: 19-4230 CD & GRADING PLANS.DWG
 DIMSCALE: 1" = 10'-0"
 PLOTTED BY: J. Eisenhauer
 DATE: Jul 27, 2021 - 2:54pm



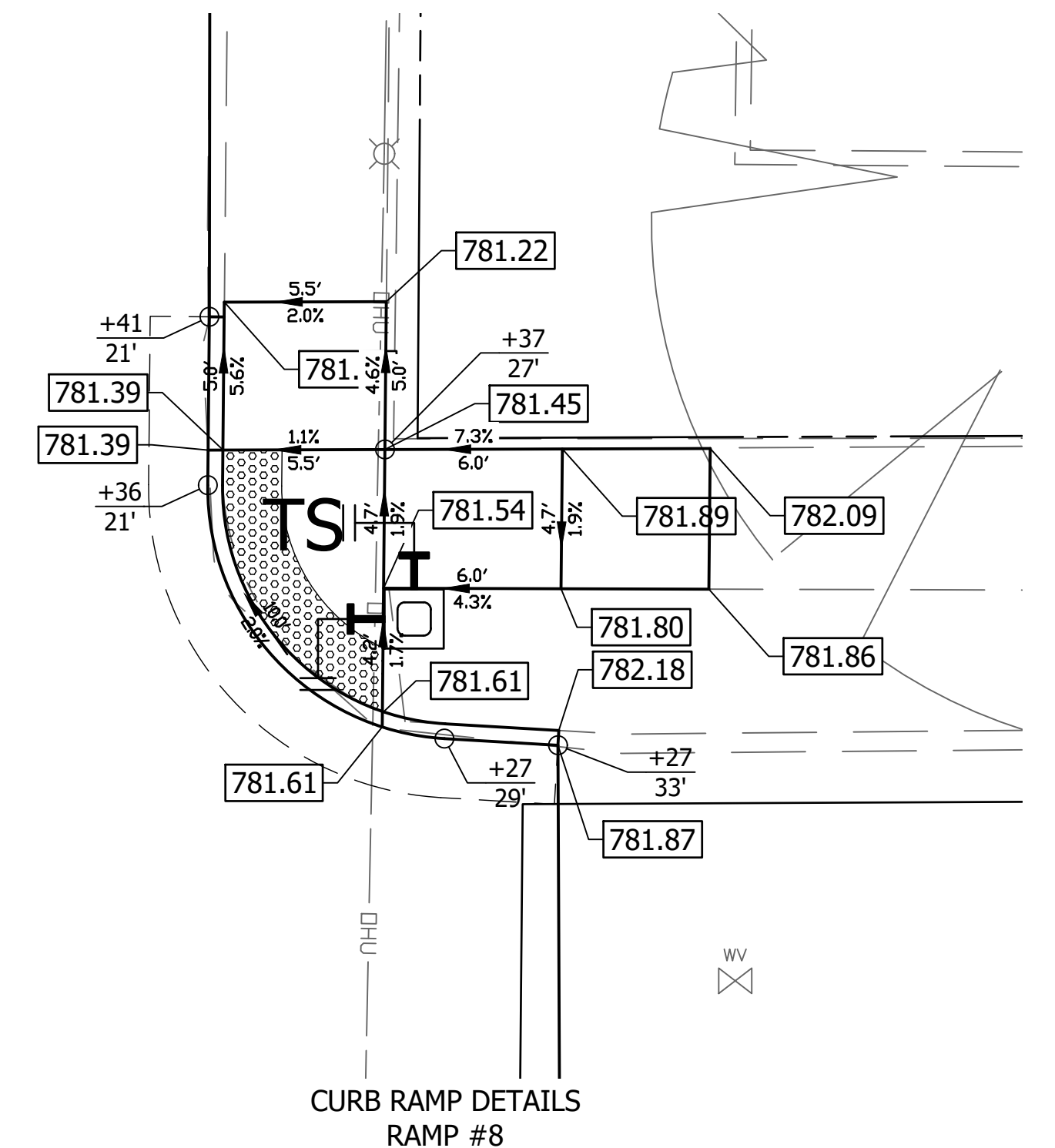
CONSTRUCTION DETAILS & GRADING



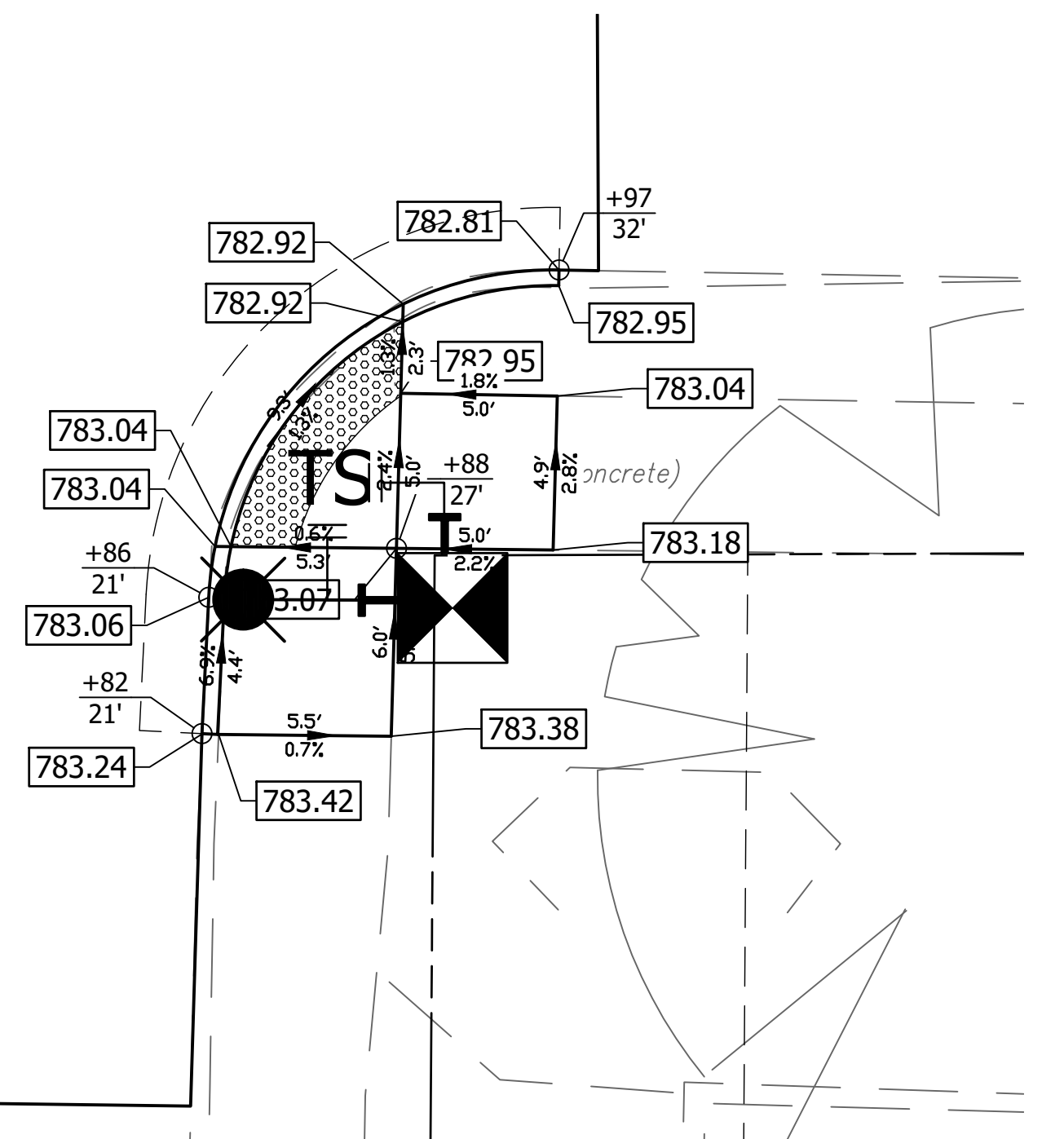
CURB RAMP DETAILS RAMP #4 & RAMP #5



CURB RAMP DETAILS RAMP #6 & RAMP #7



CURB RAMP DETAILS RAMP #8



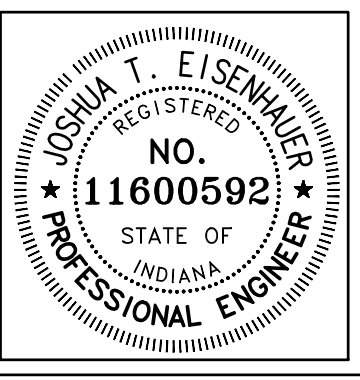
CURB RAMP DETAILS RAMP #9

LEGEND

(F)	Sidewalk, Concrete, 4 in. on 4 in. Compacted Aggregate No. 53	(S)	Sawcut, Full Depth
(K)	HMA Patching (See Detail)	(13)	Concrete Curb (See Detail)
(K1)	165" HMA Surface on 1.5" Milling on Wedge & Level (Where Needed)	(25)	Mulched Seeding
		(Ramp #)	Concrete Curb Ramp # (See Detail)

REVISIONS

REV NO.	DATE	REVISION DESCRIPTION
1	7/23/2021	CHANGE STORM STRUCTURE TYPE



RECOMMENDED FOR APPROVAL: *Joshua T. Eisenhauer* 6/23/2021
 DESIGN ENGINEER DATE

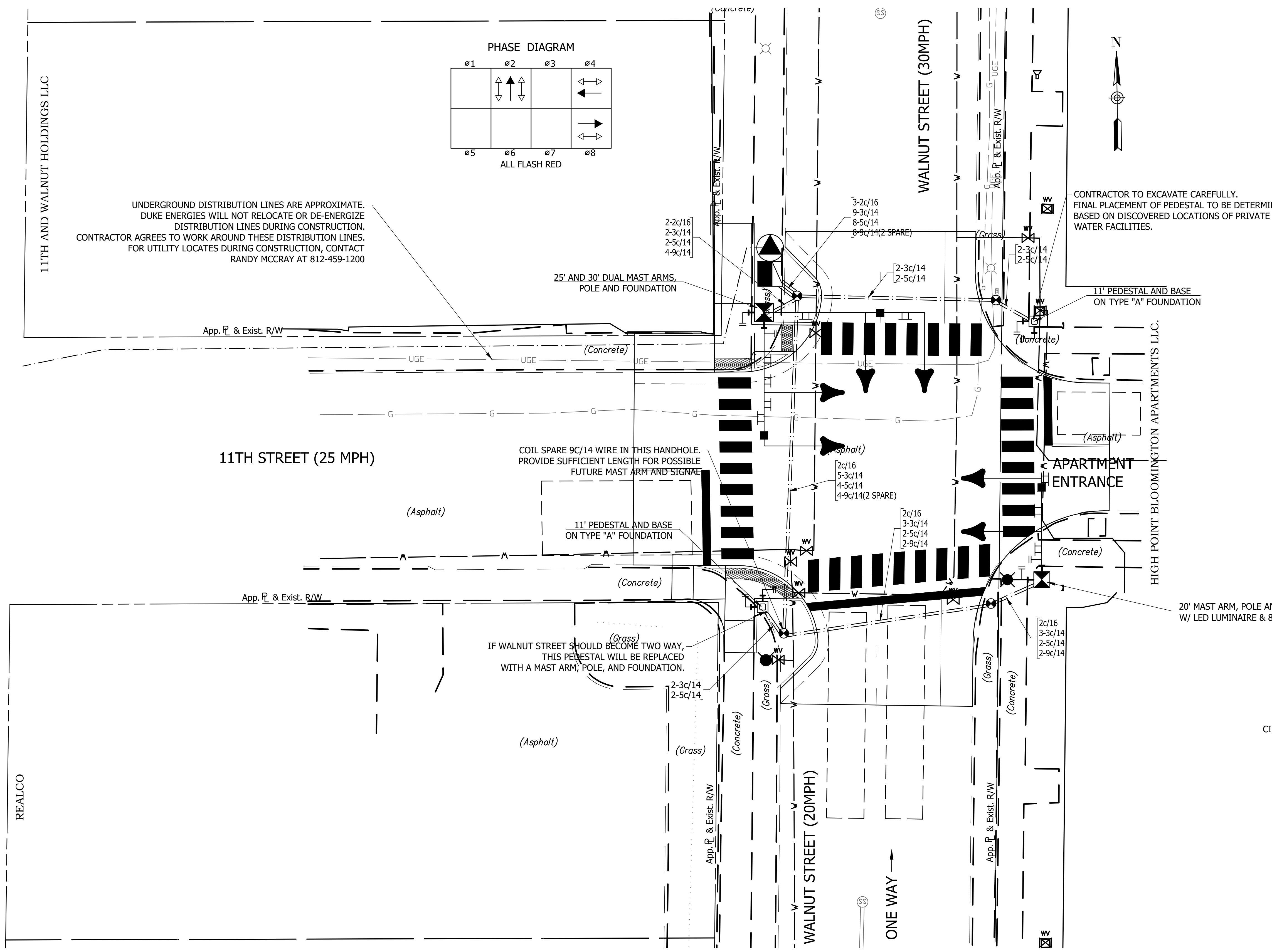
DESIGNED: JTE DRAWN: VSENG
 CHECKED: NRJ CHECKED: JTE

CITY OF BLOOMINGTON

WALNUT ST. & 14TH ST.
 CONSTRUCTION DETAILS & GRADING

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
CONTRACT	N/A
	SHEETS
	13 of 19
	PROJECT
	19-4230

DIRECTORY...F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\70 Signal
 FILE...4230 Signal Plans.dwg
 DIMSCALE...1 LTSCALE...1
 PLOTTED BY...J.Eisenbauer
 DATE...Jul 27, 2021 - 2:55pm



LEGEND

- 1-WAY, 3-SECTION (12-INCH RED, 12-INCH AMBER, 12-INCH GREEN) SIGNAL INDICATION
- CONTROLLER, 8-PHASE, MENU DRIVEN, IN CABINET ON BASE
- MAST ARM POLE AND FOUNDATION
- 11-FOOT PEDESTAL AND FOUNDATION
- HANDHOLE
- PEDESTRIAN INDICATION
- 2-INCH CONDUIT
- AUDIBLE PEDESTRIAN PUSH BUTTON AND SIGN
- VIDEO DETECTION UNIT
- SHEET SIGN (SEE SIGNING & MARKING PLAN)
- SERVICE POINT (FOR SIGNAL & LIGHTING)
- VIDEO DETECTION ZONE
- LED LUMINAIRE ON 8' ARM

NOTES:

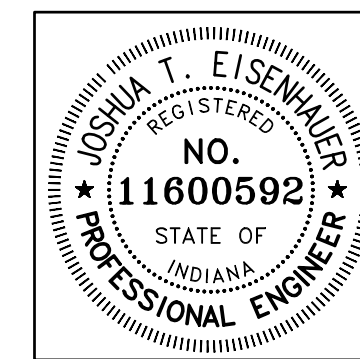
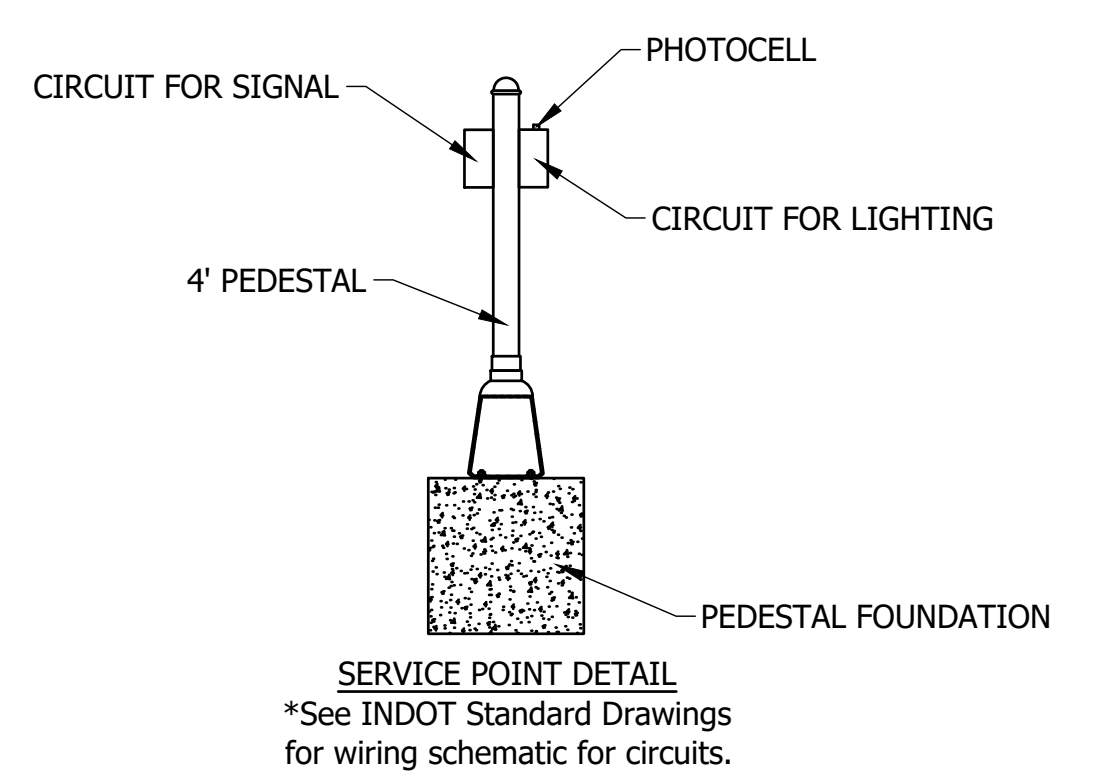
ADDITIONAL 9C/14 WIRE LABELED AS "SPARE" IS INSTALLED FOR THE POTENTIAL OF WALNUT STREET TO BE A 2-WAY ROAD IN THE FUTURE.

ONE 3C/14 WIRE IS TO BE USED FOR LIGHTING POWER.

PUSH BUTTONS TO BE WITHIN 10" REACH AND MOUNTED PERPENDICULAR TO CROSSINGS. USE OF EXTENSIONS IS ALLOWED TO ACHIEVE 10" REACH, WITH CITY APPROVAL.

PEDESTRIAN INDICATION UNITS TO BE INSTALLED SUCH THAT ACCESS FOR MAINTENANCE CAN BE ACHIEVED WITHOUT REMOVING OR REPOSITIONING THE UNIT.

FINAL LOCATION OF HANDHOLES AND CONDUIT TO BE FIELD PLACED TO AVOID UNDERGROUND UTILITY CONFLICTS.



RECOMMENDED FOR APPROVAL	<i>Joshua T. Eisenbauer</i>	6/23/2021	
DESIGNED:	JTE	DRAWN:	VSENG
CHECKED:	NRJ	CHECKED:	JTE

CITY OF BLOOMINGTON

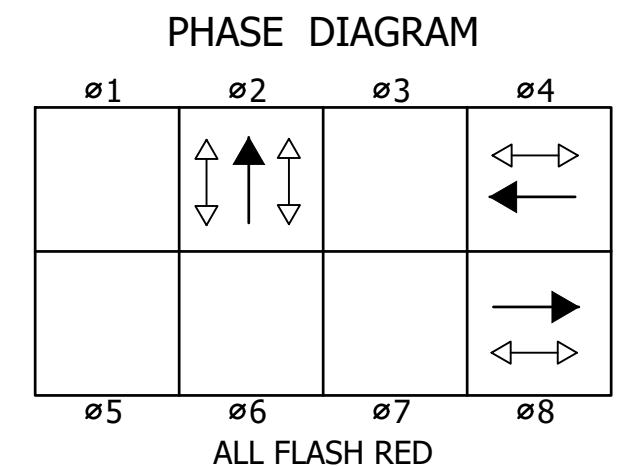
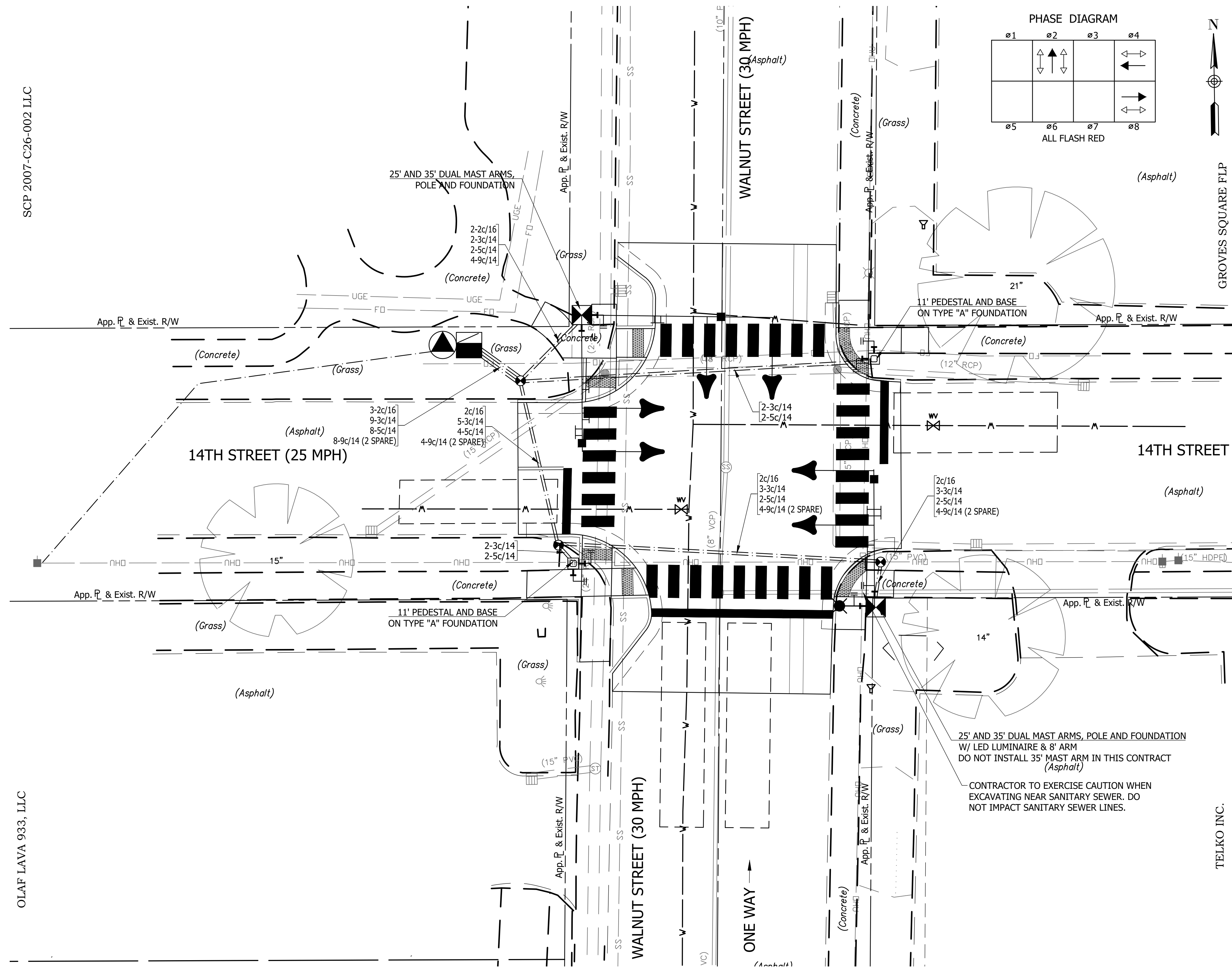
WALNUT ST. & 11TH ST.
SIGNAL LAYOUT

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
	N/A
	SHEETS
CONTRACT	14 of 19
	PROJECT
	19-4230

DIRECTORY...F:\2019\19-4230 Bloomington signals walnut & 14th and walnut & 14th\30 sheetdrawings\70 Signal
 FILE...4230 Signal Plans.dwg
 DIMSCALE...1 LTSCALE...1
 PLOTTED BY...J.Eisenhauer
 DATE...Jul 27, 2021 - 2:55pm

SCP 2007-C26-002 LLC

OLAF LAVA 933, LLC



LEGEND

- 1-WAY, 3-SECTION (12-INCH RED, 12-INCH AMBER, 12-INCH GREEN) SIGNAL INDICATION
- CONTROLLER, 8-PHASE, MENU DRIVEN, IN CABINET ON BASE
- MAST ARM POLE AND FOUNDATION
- 11-FOOT PEDESTAL AND FOUNDATION
- HANDHOLE
- PEDESTRIAN INDICATION
- 2-INCH CONDUIT
- AUDIBLE PEDESTRIAN PUSH BUTTON AND SIGN
- VIDEO DETECTION UNIT
- SHEET SIGN (SEE SIGNING & MARKING PLAN)
- SERVICE POINT (FOR SIGNAL & LIGHTING)
- VIDEO DETECTION ZONE
- LED LUMINAIRE ON 8' ARM

NOTES:

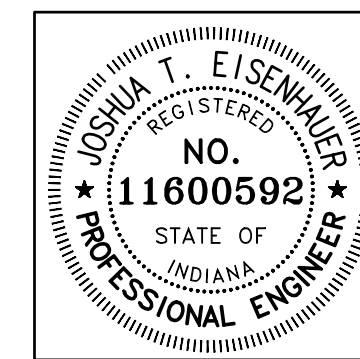
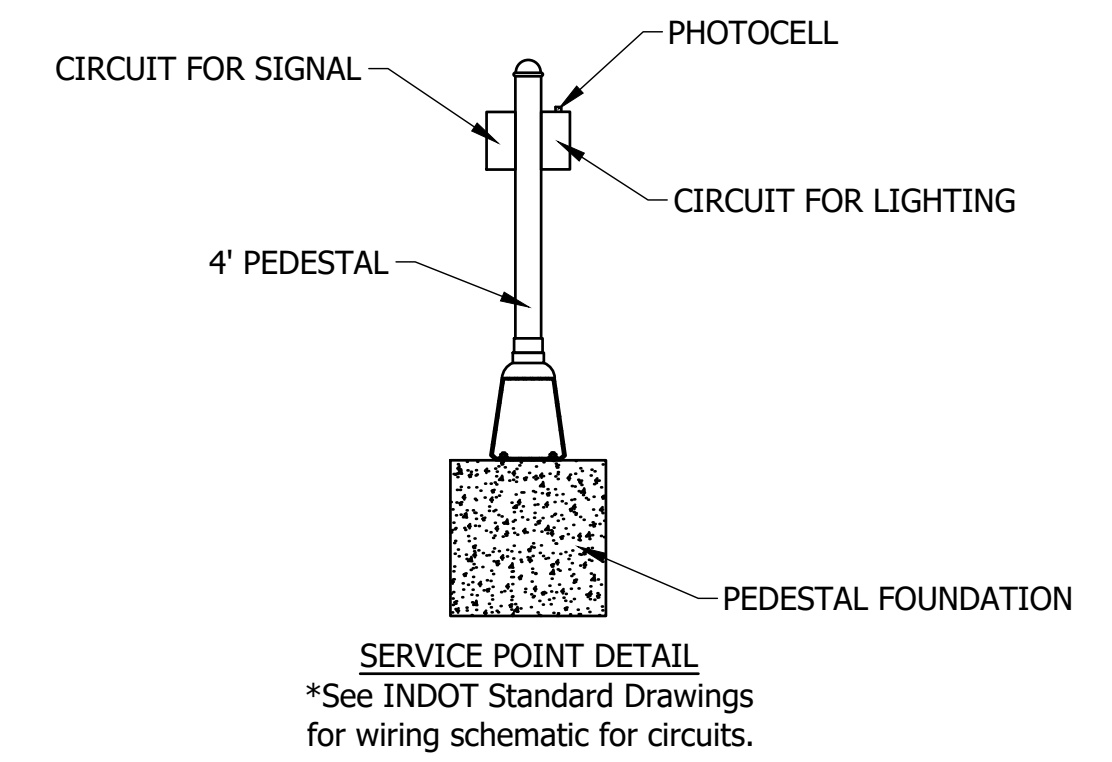
ADDITIONAL 9C/14 WIRE LABELED AS "SPARE" IS INSTALLED FOR THE POTENTIAL OF WALNUT STREET TO BE A 2-WAY ROAD IN THE FUTURE.

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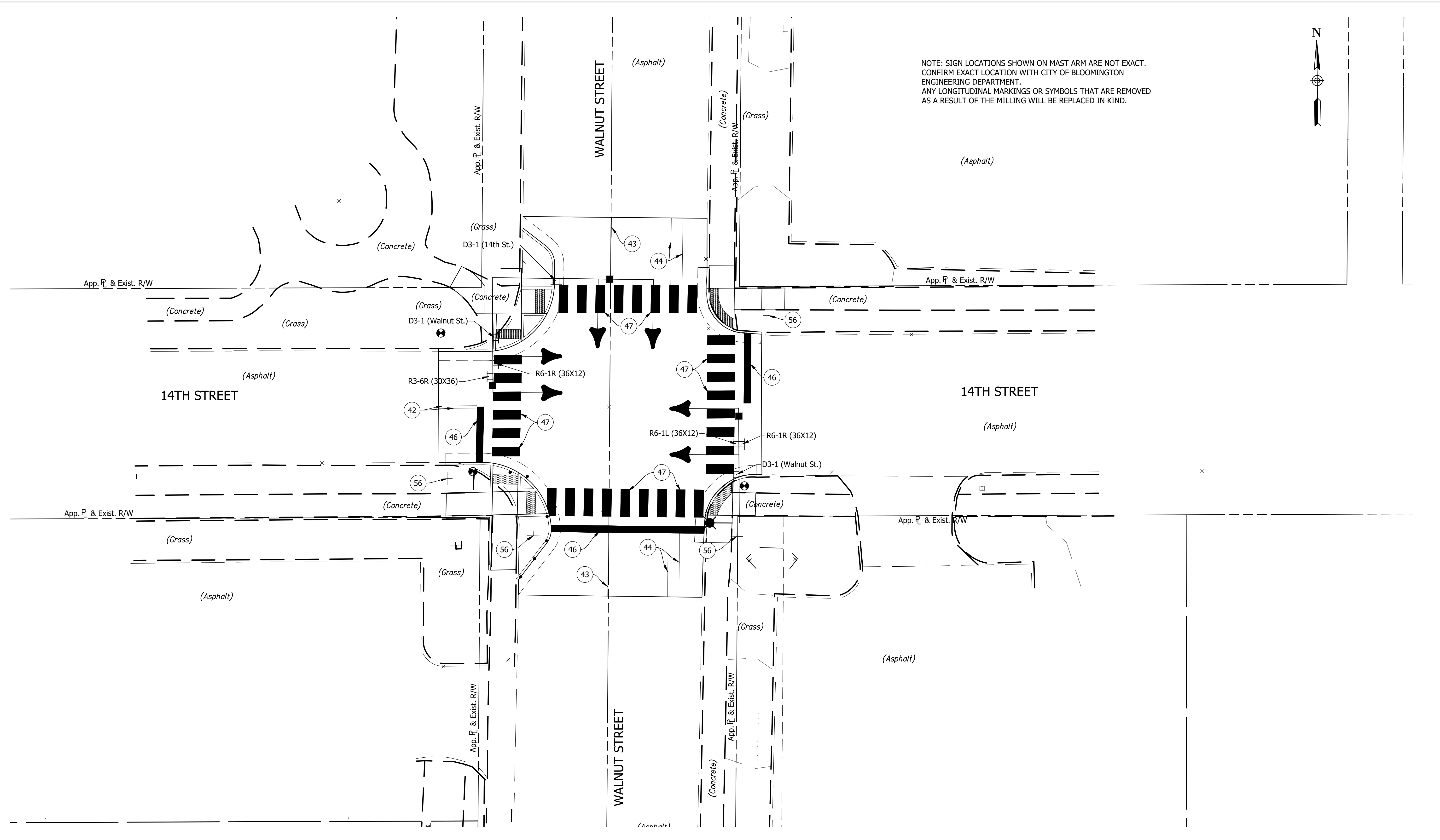
RECOMMENDED FOR APPROVAL	<i>Joshua T. Eisenhauer</i>	6/23/2021	
DESIGNED:	JTE	DRAWN:	VSENG
CHECKED:	NRJ	CHECKED:	JTE

CITY OF BLOOMINGTON

WALNUT ST. & 14TH ST.
 SIGNAL LAYOUT

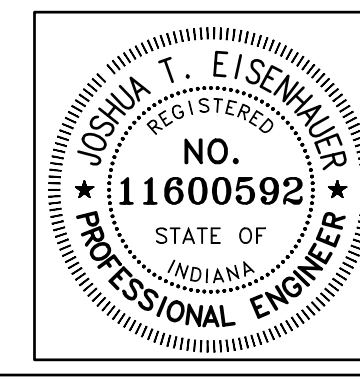
HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
CONTRACT	N/A
SHEETS	
15	of 19
PROJECT	
19-4230	

DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\80 Pavement Marking\10 Pavement Marking Plans\
 FILE: 19-4230 Marking & Signing.dwg
 DIMSCALE: 1/8"=1'-0"
 PLOTTED BY: J. Eisenhauer
 DATE: Jul 27, 2021 - 2:55pm



LEGEND

42	Line, Thermoplastic, Solid, Yellow, 4 in.	47	Transverse Marking, Thermoplastic, White, Crosswalk Line, 24 in.
43	Line, Thermoplastic, Broken, White, 4 in.	56	Remove Existing Sheet Sign and Support
44	Line, Thermoplastic, Solid, White, 4 in.		
46	Transverse Marking, Thermoplastic, Stop Line, 24 in.		



RECOMMENDED FOR APPROVAL		 DESIGN ENGINEER DATE 6/23/2021	
DESIGNED: JTE	DRAWN: VSENG		
CHECKED: NRJ	CHECKED: JTE		

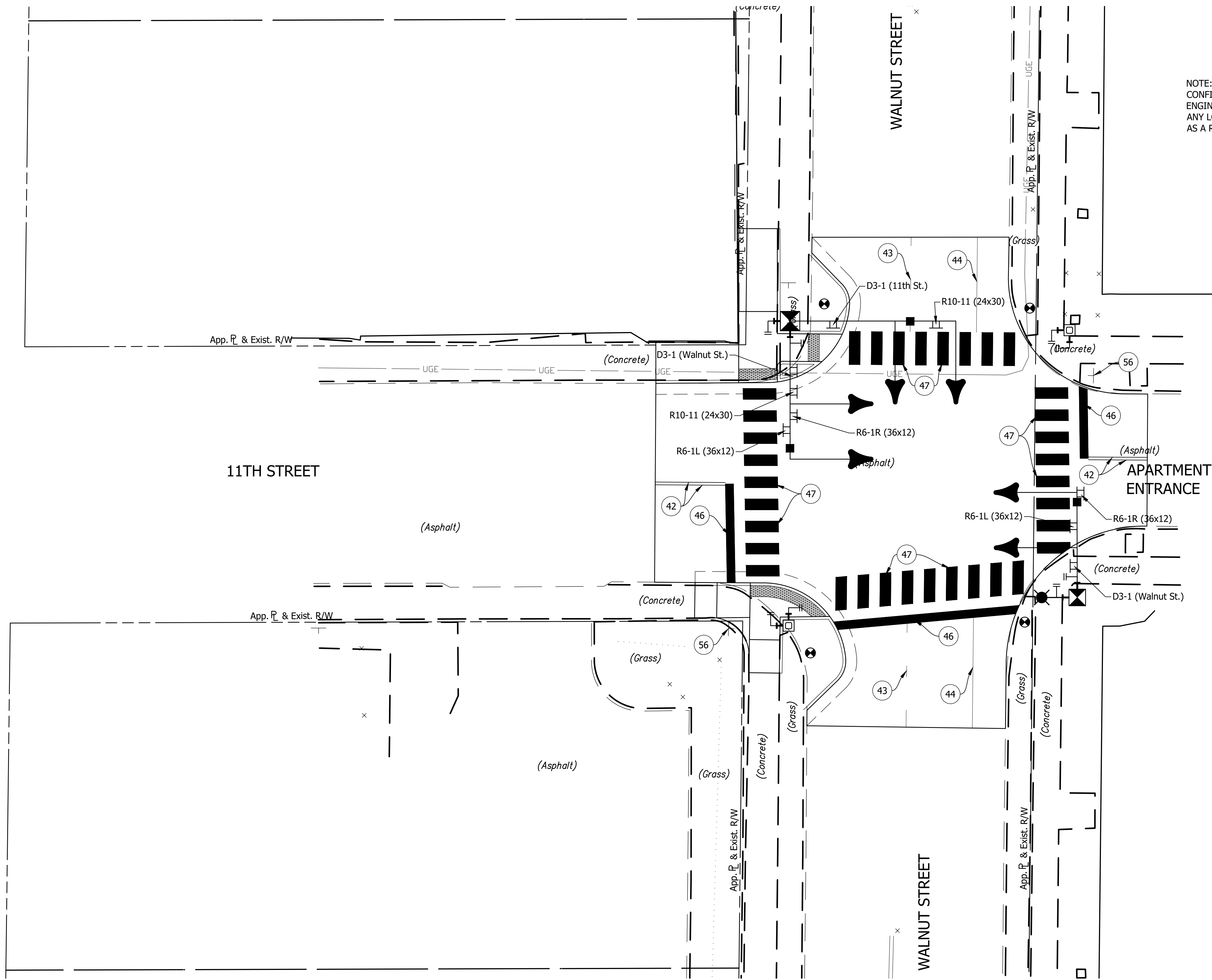
CITY OF BLOOMINGTON

WALNUT ST. & 14TH ST.
PAVEMENT MARKING & SIGNING

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
	DESIGNATION
	N/A
SURVEY BOOK	SHEETS
	16 of 19
CONTRACT	PROJECT
	19-4230

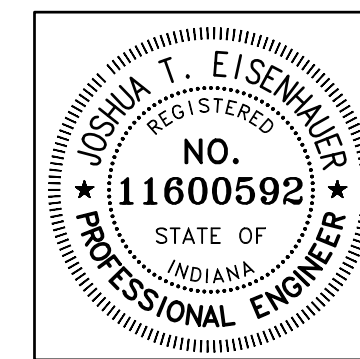
DIRECTORY: F:\2019\19-4230 Bloomington signals walnut & 11th and walnut & 14th\30 sheetdrawings\80 Pavement Marking\10 Pavement Marking Plans\10
 FILE: 19-4230 Marking & Signing.dwg
 DIMSCALE: 1/8"=1'-0"
 PLOTTED BY: J. Eisenhauer
 DATE: Jul 27, 2021 - 2:55pm


NOTE: SIGN LOCATIONS SHOWN ON MAST ARM ARE NOT EXACT.
 CONFIRM EXACT LOCATION WITH CITY OF BLOOMINGTON
 ENGINEERING DEPARTMENT.
 ANY LONGITUDINAL MARKINGS OR SYMBOLS THAT ARE REMOVED
 AS A RESULT OF THE MILLING WILL BE REPLACED IN KIND.



- LEGEND**
- 42 Line, Thermoplastic, Solid, Yellow, 4 in.
 - 43 Line, Thermoplastic, Broken, White, 4 in.
 - 44 Line, Thermoplastic, Solid, White, 4 in.
 - 46 Transverse Marking, Thermoplastic, Stop Line, 24 in.

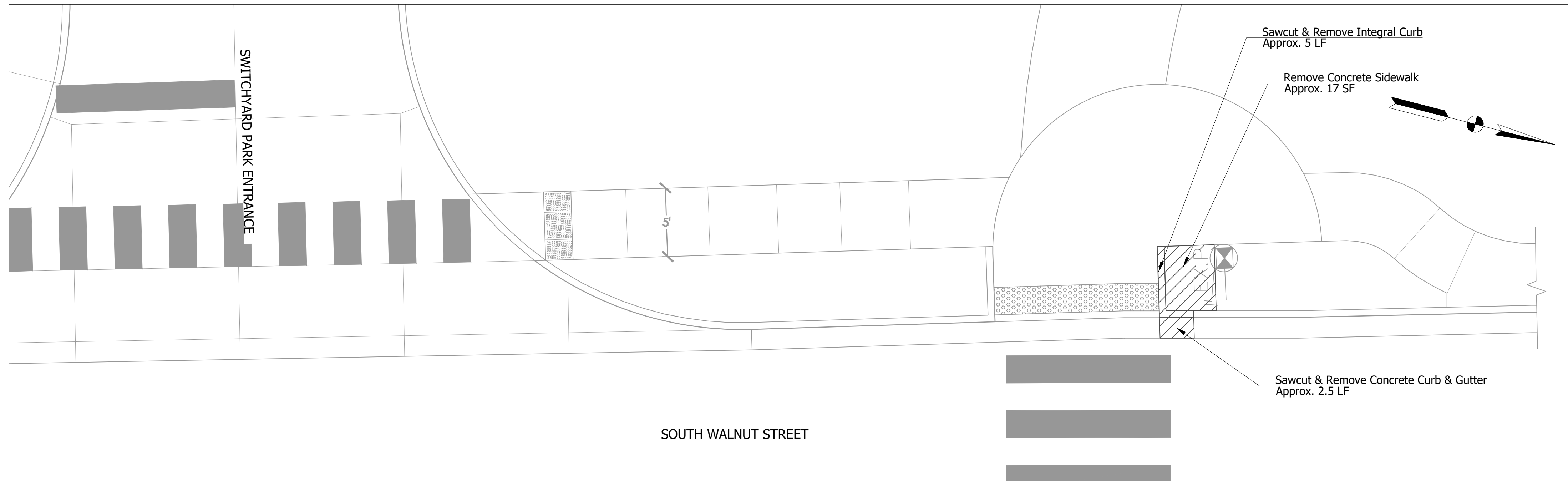
- 47 Transverse Marking, Thermoplastic, White, Crosswalk Line, 24 in.
- 56 Remove Existing Sheet Sign and Support



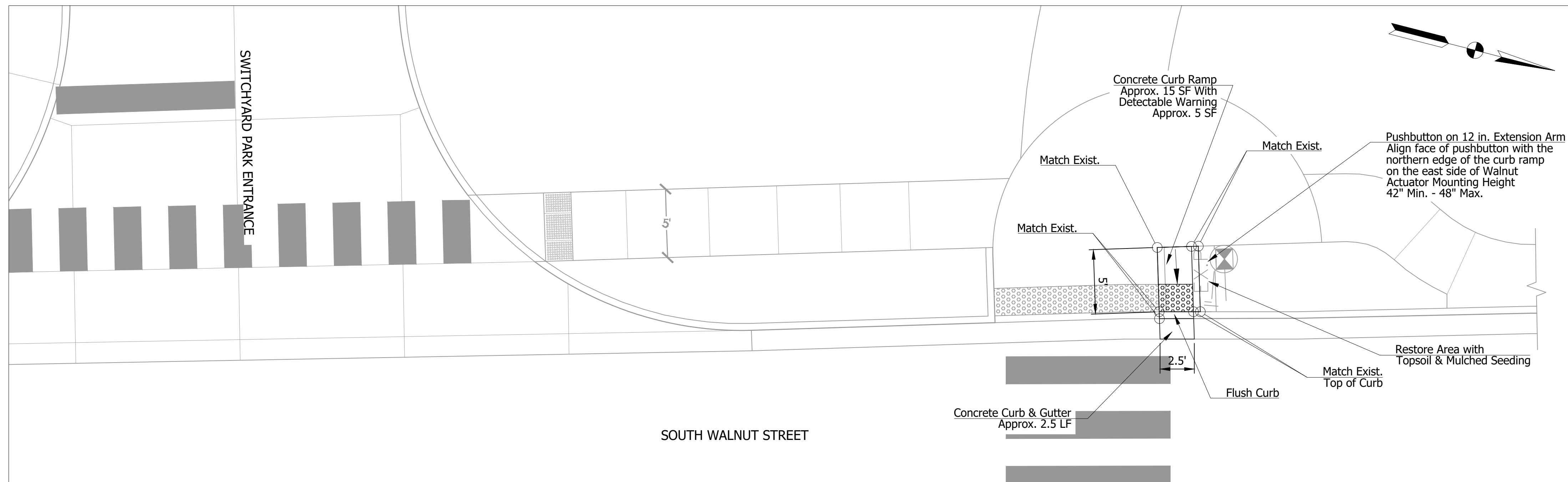
RECOMMENDED FOR APPROVAL		 DESIGN ENGINEER		6/23/2021	DATE
DESIGNED:	JTE	DRAWN:	VSENG		
CHECKED:	NRJ	CHECKED:	JTE		

CITY OF BLOOMINGTON	
WALNUT ST. & 11TH ST. PAVEMENT MARKING & SIGNING	

HORIZONTAL SCALE	BRIDGE FILE
VERTICAL SCALE	N/A
SURVEY BOOK	DESIGNATION
	N/A
	SHEETS
	17 of 19
CONTRACT	PROJECT
	19-4230



REMOVALS OPTION 01 - WALNUT/SWITCHYARD PUSHBUTTON



PROPOSED OPTION 01 - WALNUT/SWITCHYARD PUSHBUTTON

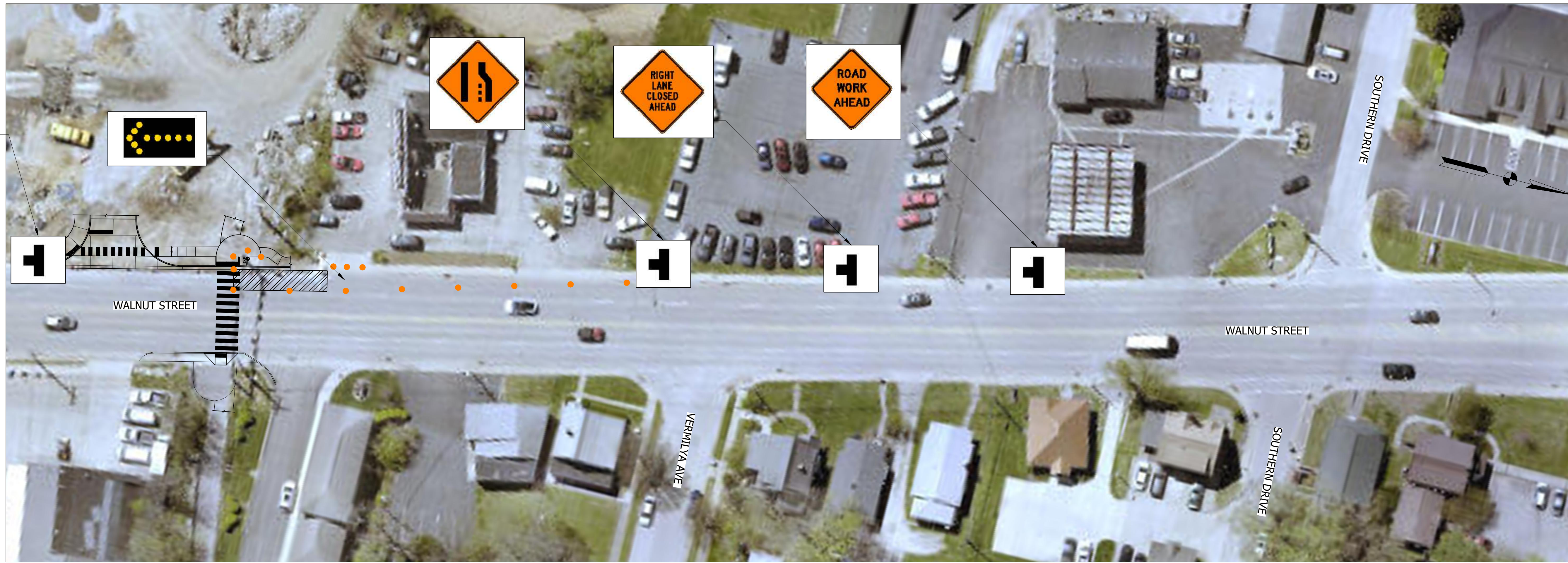
PLOTTED: Tuesday, October 19, 2021 8:36:40 AM

FILE: SWITCHYARD_PB_RD_PLAN_01.DWG

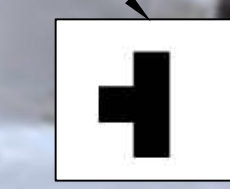
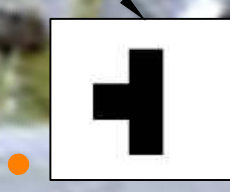
RECOMMENDED FOR APPROVAL	CITY ENGINEER	DATE
DESIGNED: PRD	DRAWN: PRD	
CHECKED:	CHECKED:	

CITY OF BLOOMINGTON
ENGINEERING DEPARTMENT
**SWITCHYARD PARK/S WALNUT ST
PUSHBUTTON RECONSTRUCTION
OPTION 01**

HORIZONTAL SCALE	BRIDGE FILE
1" = 5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	N/A
SURVEY BOOK	SHEETS
N/A	1 of 2
CONTRACT	PROJECT
N/A	SWITCHYARD PUSHBUTTON



END ROAD WORK



- MOT Notes:
- IMUTCD sign spacing = 100'
 - Taper = 165' for 30 MPH
 - Signs and support to not block sidewalk
 - The goal of the proposed MOT plan is for pedestrian access to remain through the area

- If sidewalk is blocked advance warning signs per IMUTCD are required
- No MOT signs or supports shall block or restrict the sidewalk

PLOTTED: Wednesday, October 13, 2021 5:25:37 PM

FILE: SWITCHYARD_PB_RD_PLAN_01.DWG

RECOMMENDED FOR APPROVAL _____	CITY ENGINEER _____	DATE _____
DESIGNED: PRD _____	DRAWN: PRD _____	
CHECKED: _____	CHECKED: _____	

CITY OF BLOOMINGTON
ENGINEERING DEPARTMENT

SWITCHYARD PARK/S WALNUT ST
PUSHBUTTON RECONSTRUCTION
MOT

HORIZONTAL SCALE 1" = 30'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION N/A
SURVEY BOOK N/A	SHEETS 1 of 2
CONTRACT N/A	PROJECT SWITCHYARD PUSHBUTTON