

[01/22/2021]

ADDENDUM NO. #1  
City of Troy  
Troy Pedestrian Paths

This addendum forms a part of the bidding and contract documents and modifies the bidding documents. Acknowledge receipt of this addendum in space and include it with your bid. FAILURE TO DO SO MAY SUBJECT BIDDER TO DISQUALIFICATION.

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**Bid Opening:**

The Bid opening will be held virtually via Zoom due to COVID restrictions.

Join Zoom Meeting

<https://us02web.zoom.us/j/86524545826?pwd=eXd4aTlpU1Z3bzFsTlpwUzcrMXFXQT09>

Meeting ID: 865 2454 5826

Passcode: 136702

One tap mobile

+13126266799,,86524545826#,,,,\*136702# US (Chicago)

+13017158592,,86524545826#,,,,\*136702# US (Washington D.C)

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**Questions:**

1. There are several places on the project where there is a call out for detectable warnings in the schedule, but no concrete sidewalk at those areas. Do you intend to have the detectable warnings surface applied to asphalt, and if so, it says the detectables are to be black in color, but elsewhere says they should have a “visual contrast with the adjoining concrete surface.” Can you review and advise?

Answer: Ramps are intended to be concrete. Sheets 28-31 have been revised to clarify. Adjust quantities to add 936 sy of PCC sidewalk and reduce HMA Surface Course by 17 tons.

2. Will the SS hardware for the Kiosks be required to show Made in America certs?

Answer: Made in America certification will not be required for the Kiosk hardware

3. On the left detail it shows “mounting board for inserts (by others)”, and on the right a “15 cca treated plywood w 2 coats poly enamel”. Are these both the same item supplied by others? If so I can see we can sandwich the mounting board in the middle

of the plexiglass layers after the maps are applied and then the 2x2's hold it all in place. Is this a correct way of thinking?

Answer: No, the contractor shall supply plywood, the mounting board for inserts (by others) will be attached to the plywood. The plywood and mounting boards will be sandwiched between the plexiglass layers.

4. Pvt removal is shown on the schedule and drawings in the area of 91-92+XX and 100+25 area. We just walked the job and found asphalt from 90+00 to 100+50 continuous. This removal will further reduce the available embankment material onsite causing a need for additional furnished excavation. Can you address?

Answer: The portion of existing trail west of Riggin Road (90+18 to 90+89) is intended for removal. Sheet 19 will be updated to show removal hatching and 57 sy of pavement removal will be added. The portion of the trail east of Riggin Road shown for removal needs to be removed to accommodate the proposed trail alignment and profile. The remaining existing trail east of Riggin Road is intended to be used in place with widening and overlay as shown on the typical sections.

5. On the project in the plans there is only 180 sf of removal of sidewalk to take place. We think you probably missed 560 sf at the south end of the project.

Answer: There is 500 sf of sidewalk removal at the south end of the project which was not included in the quantities.

6. Can you address the discrepancy between the plan sheets calling out 5% Lime, and the Special Provisions calling out 5% Lime, or 3% lime and 7% Fly Ash?

Answer: A combination of lime and fly ash will be required to stabilize topsoil/organic soil areas. Contractor shall include costs for 3 Atteberg Test from a Geotechnical Engineer to verify the appropriate stabilization.

7. The earth excavation schedule shows a cut of 1460 and a fill of 1890, leaving a shrunk embankment shortage of 648 CY. The cross sections do not differentiate final grade versus the 4" layer of topsoil to be placed. Is it the intent of the designer that the 6493 sy of topsoil 4" (721 cy) makes up the embankment shortage from the earth excavation pay item, or is it expected that the contractor will need 648 cy plus the 4" of topsoil?

Answer: Earthwork was calculated to the final surface grade. The 4" topsoil layer was included in the earthwork quantities, and was intended to makes up a portion of the embankment shortage as furnished excavation. Delete the Furnished Excavation quantity. The embankment shortage will be furnished as the 4" topsoil layer.

**Bid Forms:**

1. REPLACE the following pages for "Notice to Bidders" page 2 and the "Local Public Agency Formal Contract Proposal – Schedule of Prices" page 4-5. Changes are clouded for reference.
2. ADD page 2a to "Notice to Bidders" Virtual Bid Opening information.

**Special Provisions:**

3. REPLACE "Special Provisions" 14 with the attached pages to modify PROCESSING MODIFIED SOIL, THICKNESS SPECIFIED. Changes are clouded for reference.

**Plans:**

4. REPLACE Sheets, Schedules Sheet 5, Plan and Profile Sheet 19, and "Ramp Intersection Details" Sheets 28-31 with the attached sheets. Changes are clouded for reference.

Addendum #1 consists of 8 pages of text and 6 plan sheets.

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RETURN ONE SIGNED COPY TOGETHER WITH YOUR PROPOSAL

Addendum No. 1 is hereby acknowledged.

Name of Bidder: \_\_\_\_\_

By: \_\_\_\_\_ Title: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Date: \_\_\_\_\_

RETURN WITH BID

NOTICE TO BIDDERS

County Madison
Local Public Agency City of Troy
Section Number N/A
Route City of Troy Pedestrian Paths

Sealed proposals for the improvement described below will be received at the office of the City Clerk, 116 East Market Street, Troy, Illinois 62294 until 10am on January 28, 2021

Bid opening can be viewed virtually via Zoom, see page 2a for instructions. Sealed proposals will be opened and read publicly at the office of the City Clerk

116 East Market Street Troy, Illinois 62294 at 10am on January 28, 2021

DESCRIPTION OF WORK

Name Troy Pedestrian Paths Length: 7,300 feet ( 1.4 miles)
Location Spring Valley Rd from US 40 to Collinsville Rd, in Tri-Township Park North along Riggin Rd and East to Wickliffe
Proposed Improvement Installation of approximately 7,300 ft of new 8ft to 10ft wide pedestrian paths, installation of culverts and storm sewer, and reconstruction of a portion of Spring Valley Road at the intersection with Collinsville Road.

- 1. Plans and proposal forms will be available for digital download. Project bidding documents are available at www.troyil.us
2. Prequalification
3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

**Bid Opening:**

The Bid opening will be held virtually via Zoom due to COVID restrictions.

Join Zoom Meeting

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## SCHEDULE OF PRICES

County Madison  
 Local Public Agency City of Troy  
 Section N/A  
 Route Troy Pedestrian Paths

**RETURN WITH BID**

### Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

### Schedule for Single Bid

(For complete information covering these items, see plans and specifications)

Bidder's Proposal for Making Entire Improvements

Item No.	Items	Unit	Quantity	Unit Price	Total
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	328		
20200100	EARTH EXCAVATION	CU YD	1,460		
<del>20400800</del>	<del>FURNISHED EXCAVATION</del>	<del>CU YD</del>			
20800150	TRENCH BACKFILL	CU YD	70		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	6,493		
25000100	SEEDING, CLASS 1	ACRE	2.5		
28000305	TEMPORARY DITCH CHECKS	FOOT	118		
28000400	PERIMETER EROSION BARRIER	FOOT	8,157		
28000500	INLET AND PIPE PROTECTION	EACH	24		
28100105	STONE RIPRAP, CLASS A3	SQ YD	66		
31000600	PROCESSING LIME STABILIZED SOIL MIXTURE 12"	SQ YD	4,631		
35100300	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	3,191		
35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	4,945		
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	1.1		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	760		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	84		
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	456		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	14		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	29,652		
42400800	DETECTABLE WARNINGS	SQ FT	216		
44213204	TIE BARS 3/4"	EACH	100		
44000100	PAVEMENT REMOVAL	SQ YD	940		
44000300	CURB REMOVAL	FOOT	27		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	18		
44000600	SIDEWALK REMOVAL	SQ FT	680		
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	56		
54010602	PRECAST CONCRETE BOX CULVERTS 6' X 2'	FOOT	52		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	10		
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1		
54214731	ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	EACH	2		
50105220	PIPE CULVERT REMOVAL	FOOT	35		
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	97		
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	15		
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	20		

Bidder's Proposal for Making Entire Improvements

550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	43	
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	55	
550A5300	STORM SEWERS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 36"	FOOT	116	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	
60255500	MANHOLES TO BE ADJUSTED	EACH	2	
60600605	CONCRETE CURB, TYPE B	FOOT	22	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	11	
78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	380	
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	7,150	
78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	314	
X0321309	CONCRETE PAD	SQ YD	69	
X0301430	PRECAST CONCRETE PARKING BLOCK	EACH	2	
X0323265	REMOVE EXISTING RIPRAP	SQ YD	116	
X0326681	REMOVE AND RE-ERECT BOULDERS	L SUM	4	
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	128	
X6640304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	28	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
Z0022800	FENCE REMOVAL	FOOT	31	
Z0056650	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	145	
	BOLLARD ASSEMBLY	EACH	10	
	SIGN PANNEL ASSEMBLY	EACH	53	
	BOX CULVERT END SECTIONS, 6'X2'	EACH	4	
	PORTLAND CEMENT CONCRETE SHOULDER, 2' WIDE	SQ YD	88	
	BIKE RACK	EACH	2	
	PORTLAND CEMENT CONCRETE V-GUTTER	FOOT	375	
	TRIM TREES	LSUM	1	
	TRENCH DRAIN WITH ADA COMPLIANT GRATE, 12"	FOOT	14	
	TRENCH DRAIN WITH CONCRETE TRENCH SLAB, 18"	FOOT	14	
	TRENCH DRAIN WITH CONCRETE TRENCH SLAB, 36"	FOOT	14	
	TRENCH DRAIN WITH CONCRETE TRENCH SLAB, 72"	FOOT	24	
	AREA INLET	EACH	1	
	INFORMATION KIOSK	EACH	3	
	PORTLAND CEMENT CONCRETE SIDEWALK VARIABLE	SQ FT	63	
	RELOCATE EX SIGN	EACH	5	
	CONCRETE WASHOUT PIT	EACH	2	
	TREE, RED OAK, 2-1/2" CALIPER	EACH	16	
	TREE, RED MAPLE, 2-1/2" CALIPER	EACH	10	
	WOODEN BRIDGE STRUCTURE REMOVAL	EACH	1	
<b>TOTAL LUMP SUM BID AMOUNT</b>				

**LUMP SUM BID NOTE:**

THESE QUANTITIES REPRESENT THE DESIGNERS ESTIMATION OF THE **MAJOR WORK ITEMS** INVOLVED AND MOST SMALL/INCIDENTAL WORK ITEMS ARE NOT INCLUDED FOR BREVITY.

QUANTITY TAKEOFF AND UNIT COST SPREADSHEET PROVIDED FOR INFORMATION ONLY. THIS IS A LUMP SUM BID AND WILL BE PAID AS SUCH. UNIT COSTS AND PAY ITEMS ARE REQUESTED IN ORDER TO ESTABLISH A SCHEDULE OF VALUES TO ESTABLISH A BASIS FOR PAYMENT.

### **STONE RIPRAP, CLASS A3**

This work shall consist of furnishing, transporting and placing a protective course of stone as shown on the plans, according to Section 281 of the "Standard Specifications for Road and Bridge Construction", except as modified herein.

Filter fabric for use with riprap is required and shall be installed according to Section 282 of the "Standard Specifications for Road and Bridge Construction". A fabric weight of 6 oz. / sq. yd. shall be used.

The stone riprap shall be gradation RR 3, quality designation A. The minimum thickness of riprap shall be 12 in.

This work shall include all excavation and material necessary for proper installation of the riprap. Filter Fabric will be included with this item.

### **PROCESSING MODIFIED SOIL, THICKNESS SPECIFIED**

This work shall consist of constructing a modified soil layer composed of soil, water and a mixture of lime and fly ash according to Section 302 of the "Standard Specifications for Road and Bridge Construction".

The soil modifier shall consist of dry lime or a mixture of dry lime and fly ash at the locations shown on the plans, and as directed by the Engineer. The estimated lime-to-soil (by dry weight) ratio is 5 percent. Areas of silty subgrade materials containing less than 10 percent clay is estimated to require a mixture of 3 percent lime and 7 percent fly ash.

The application of modifiers shall be accomplished by slurry placement method or with a mechanical spreader capable of applying the modifier uniformly and minimizing the airborne release of dry modifiers, or other method approved by the Engineer.

Contractor shall include costs for 3 Atteberg Test from a Geotechnical Engineer to verify the appropriate stabilization.

### **INCIDENTAL HOT-MIX ASPHALT SURFACING**

This work shall consist of the preparation of the base, the application of bituminous priming material and aggregate, and the construction of a hot-mix asphalt (HMA) surface on a prepared base at the locations shown on the plans according to Section 408 the "Standard Specifications for Road and Bridge Construction."

Bituminous prime coat and prime coat aggregate are required, but will not be measured separately for payment.

This work shall include the bituminous priming material and aggregate for covering the prime coat.

### EARTHWORK

STATION	STATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (NOTE 1)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOPSOIL FURNISH & PLACE 4"
		(CU YD)	(CU YD)	(NOTE 2) (CU YD)	(NOTE 3) (CU YD)	(SQ YD)
10+00	38+00	530	451	405	46	
38+00	58+50	415	353	1,325	-972	3,483
85+00	110+25	515	438	160	278	3,010
<b>TOTAL</b>		<b>1,460</b>	<b>1,242</b>	<b>1,890</b>	<b>-648</b>	<b>6,493</b>

**EARTHWORK NOTES:**

- ESTIMATED SHRINKAGE FACTOR = 15%.
- APPROXIMATE EMBANKMENT QUANTITY IS SHOWN FOR INFORMATION ONLY.
- APPROXIMATE EARTHWORK BALANCE IS SHOWN FOR INFORMATION ONLY.

### PAVEMENT

STATION	STATION	OFFSET	PR LIM STAB SOIL M 12	AGG BASE CSE A 6	BIT MATS PR CT	HMA SC "C" N50	PCC PVT 8	PCC DRIVEWAY PVT 6	TIE BARS	PAVEMENT REM	HMA SHOULDERS 6	CONCRETE SHOULDERS 2' WIDE	INCIDENTAL HMA SURFACING	CONCRETE PAD
			(SQ YD)	(SQ YD)	(TON)	NOTES 2 & 3 (TON)	(SQ YD)	(SQ YD)	(EACH)	(SQ YD)	(SQ YD)	(SQ YD)	(TON)	(SQ YD)
35+74	37+89						456		100	453	56		84	
38+00	48+50		1,366	1,366		189				289				
43+50				32		4								
45+88				64		9								
48+90		27 LT												13
48+50	54+55		778	778		103								
49+26	49+53	RT	19	19		3								
54+72	54+83		13	13										
55+04	58+15		361	413		56								
85+00		16 LT												13
85+00	91+23		865	856		113								
85+14	85+40	LT	19	19		3								
91+51	92+25		85	85		10								
92+12			32	32		5								
92+25	100+25			176	1	119								
100+25	109+83		1,078	1,076		144		14		54		88		
102+00		104 RT												42
101+83		118 RT	17	17		3								
<b>TOTAL</b>			<b>4,631</b>	<b>4,945</b>	<b>1.1</b>	<b>760</b>	<b>456</b>	<b>14</b>	<b>100</b>	<b>883</b>	<b>56</b>	<b>88</b>	<b>84</b>	<b>69</b>

**PAVEMENT NOTES:**

- APPLICATION RATES USED FOR QUANTITY ESTIMATES ARE AS FOLLOWS:  
PRIME COAT: 0.0015646 TONS/SY  
HOT-MIX ASPHALT: 112 LBS/SY/INCH THICKNESS
- THE LIME TO SOIL RATIO SHALL BE 5%.
- THE PROPOSED SURFACE COURSE SHALL BE 3 IN. THICK.

### SIDEWALK

STATION	STATION	AGG BASE CSE A 4	PC CONC SIDEWALK 5 (NOTE 1)	PC CONC VARIABLE	DETECTABLE WARNINGS (NOTE 1)	SIDEWALK REM
		(SQ YD)	(SQ FT)	(SQ FT)	(SQ FT)	(SQ FT)
10+00		62	560.14			500
37+75					20	
10+00	38+00	3085	27,769			
38+12			100		20	
48+33			113		20	
48+75			123		20	
48+92		20	182			
54+55			100		20	
54+72			111		20	
54+83					20	
55+05			100		20	
85+06		3	30		20	30
89+37				63		63
91+14		6	53			32
91+19			124		20	
91+51			86		16	34
101+92		11	100			
109+83		2	101			21
<b>TOTAL</b>		<b>3,191</b>	<b>29,652</b>	<b>63</b>	<b>216</b>	<b>180</b>

**SIDEWALK NOTES:**

- SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED ARE REQUIRED. SEE PLAN SHEETS FOR LOCATIONS AND TYPES. SEE CONSTRUCTION DETAILS SHEET AND HIGHWAY STANDARD 424001 FOR CURB RAMP DETAILS.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT EACH PROPERTY OWNER AND VERIFY THE LOCATION AND WIDTH OF ALL APPROACH SIDEWALKS.

### EROSION CONTROL

STATION	STATION	TEMP DITCH CHECKS	PERIMETER EROS BAR	INLET & PIPE PROTECTION
		(FOOT)	(FOOT)	(EACH)
10+00			67	1
10+00	25+00		1641	5
25+00	38+00	41	1166	5
38+00	48+71	24	1681	1
48+71	55+03		838	1
55+03	58+12	10	287	3
85+00	91+51	7	397	5
91+51	109+83	36	2079	3
<b>TOTAL</b>		<b>118</b>	<b>8157</b>	<b>24</b>

**EROSION CONTROL NOTES:**

- THE QUANTITY FOR TEMPORARY EROSION CONTROL SEEDING ASSUMES TWO SEPARATE APPLICATIONS AT A RATE OF 100 POUNDS/ACRE PER APPLICATION. THE CONTRACTOR SHALL APPLY AS NECESSARY AND AS DIRECTED BY THE ENGINEER IN THE FIELD.

### PAVEMENT MARKING

STATION	STATION	PT PVT MK LTRS & SYMB	PVT MK LINE 4	PVT MK LINE 24	PAVT MK REM WTR BL
		(SQ FT)	(FOOT)	(FOOT)	(SQ FT)
10+00	38+10		2780	75	
38+10	48+71		1025	85	
48+71	55+03		583	90	
55+03	58+12		308		
85+00	91+51		623	60	128
91+51	109+83	380	1832	4	
<b>TOTAL</b>		<b>380</b>	<b>7,150</b>	<b>314</b>	<b>128</b>

**PAVEMENT MARKING NOTES:**

- SEE HIGHWAY STANDARD 780001 FOR PAVEMENT MARKING DETAILS.
- APPLY DOUBLE COAT OF ALL PAVEMENT MARKINGS

**QUANTITIES NOTES:**

- QUANTITIES HAVE BEEN ESTIMATED FOR REFERENCE PURPOSES ONLY AND NO WARRANTY IS MADE AS TO THE ACCURACY OF THESE ESTIMATES.
- THE CONTRACTOR SHALL CONSTRUCT THE ITEMS ACCORDING TO THE CORRESPONDING SECTION IN THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLETE ALL WORK NECESSARY TO CONSTRUCT THE PROJECT AS SHOWN ON THE PLAN SHEETS AND DETAILS REGARDLESS OF THE QUANTITIES ESTIMATED.

FILE NAME = 19090 - SUMMARY OF QUANTITIES.DWG



USER NAME =	MICHELLE SPILLERS	DESIGNED -	MYS	REVISED -	
		DRAWN -	BAM	REVISED -	
PLOT SCALE =	1" = 1'	CHECKED -	TLC	REVISED -	
PLOT DATE =	2020-12-01	DATE -	20-11-25	REVISED -	

**CITY OF TROY**  
116 E MARKET ST  
TROY, IL 62294

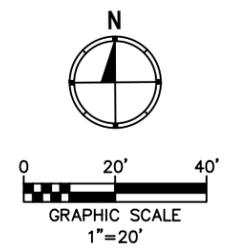
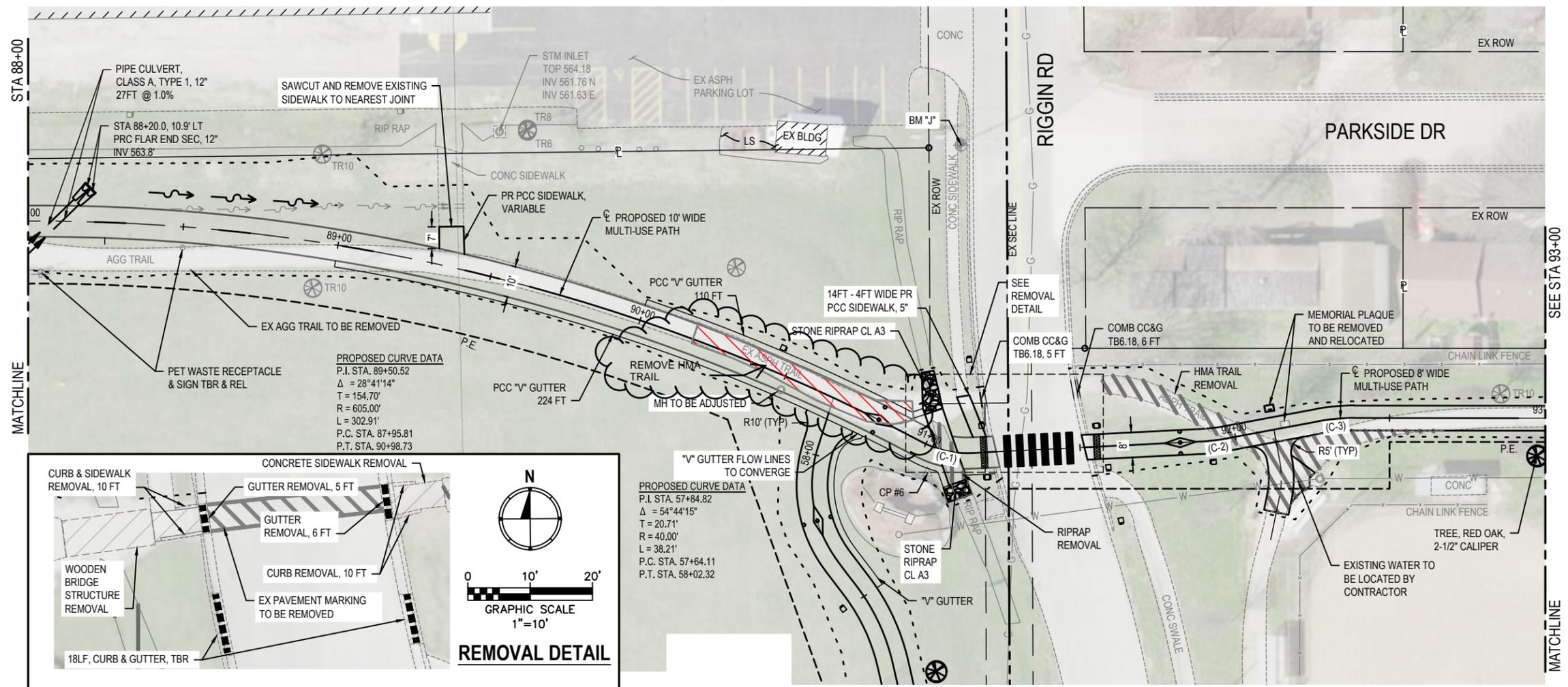
<b>SCHEDULES</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	MADISON	86	5

<b>CITY OF TROY PEDESTRIAN PATHS</b>					
CITY OF TROY					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	AT OWNERS RISK		
	NO. _____		
	NO. _____		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	AT OWNERS RISK		
	NO. _____		
	NO. _____		

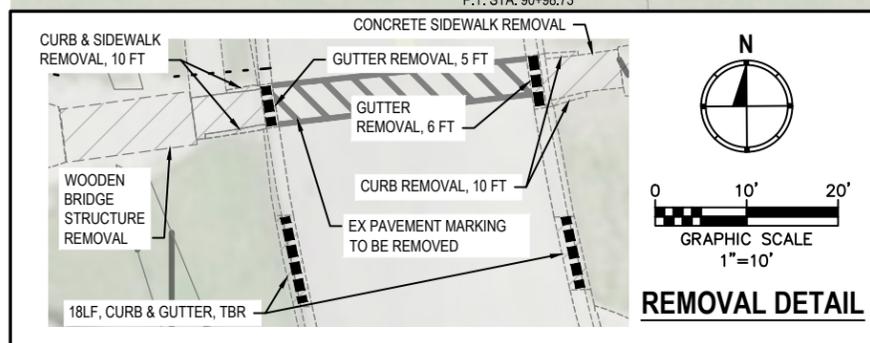
FILE NAME = 19090-DESIGN.DWG



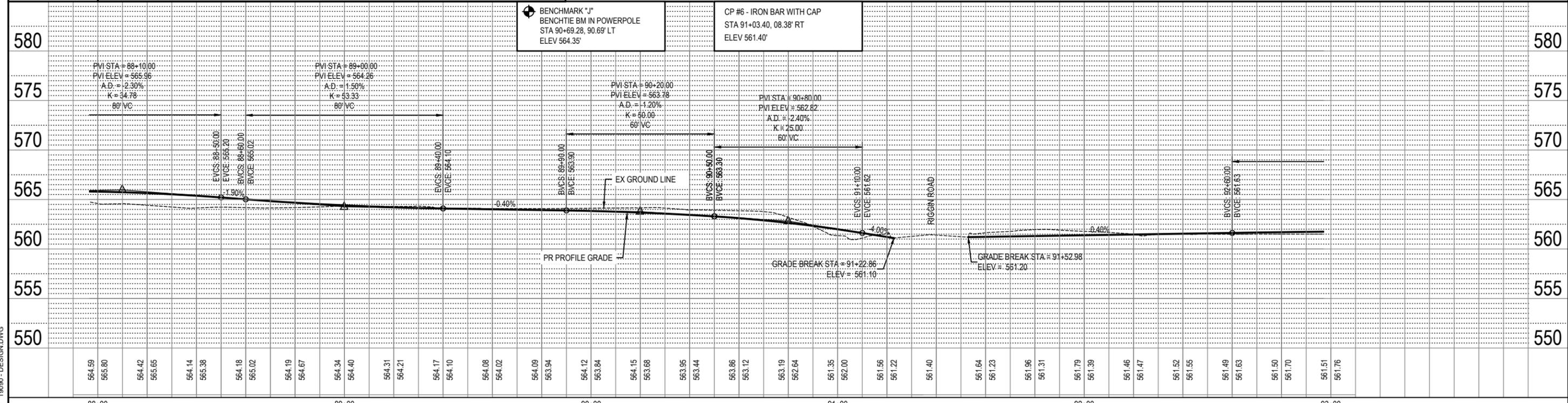
PROPOSED CURVE DATA (C-1)  
 P.I. STA. 91+07.02  
 $\Delta = 30^\circ 51' 56''$   
 $T = 8.28'$   
 $R = 30.00'$   
 $L = 16.16'$   
 P.I. STA. 90+98.73  
 P.T. STA. 91+14.89

PROPOSED CURVE DATA (C-2)  
 P.I. STA. 91+92.83  
 $\Delta = 7^\circ 40' 03''$   
 $T = 4.29'$   
 $R = 64.00'$   
 $L = 8.56'$  P.C.  
 STA. 91+88.53  
 P.T. STA. 91+97.10

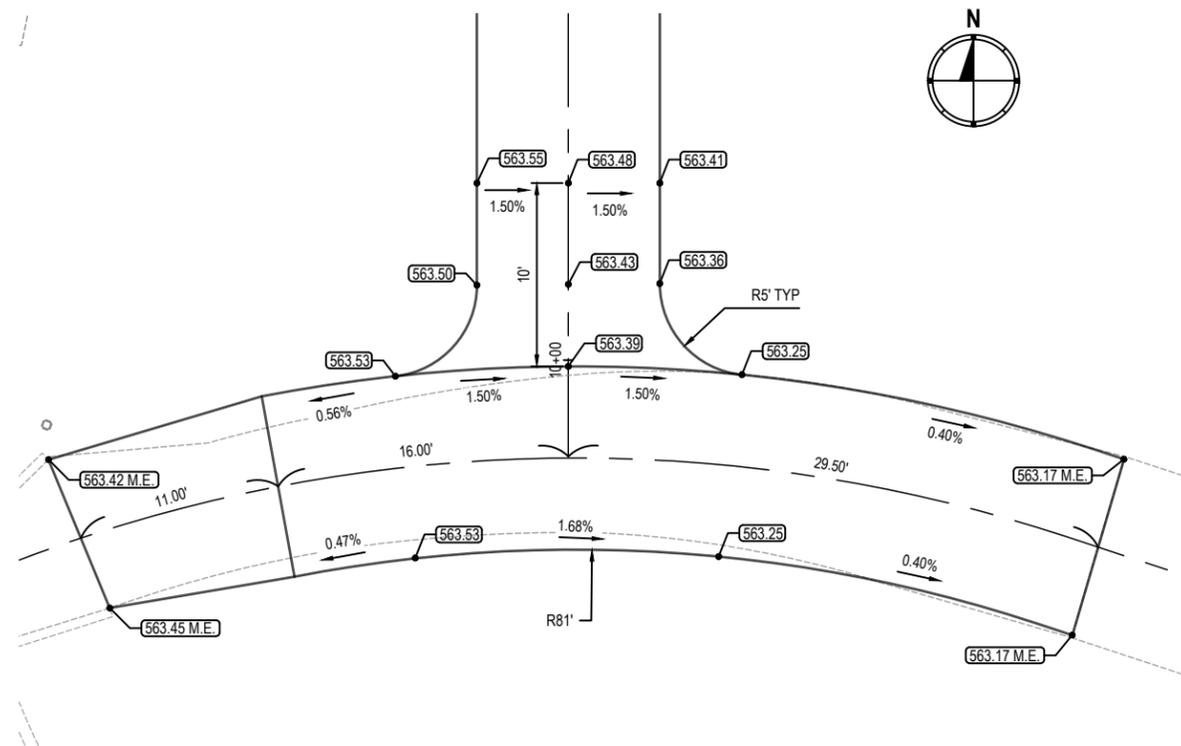
PROPOSED CURVE DATA (C-3)  
 P.I. STA. 92+32.80  
 $\Delta = 10^\circ 34' 46''$   
 $T = 5.93'$   
 $R = 64.00'$   
 $L = 11.82'$   
 P.C. STA. 92+26.87  
 P.T. STA. 92+38.69



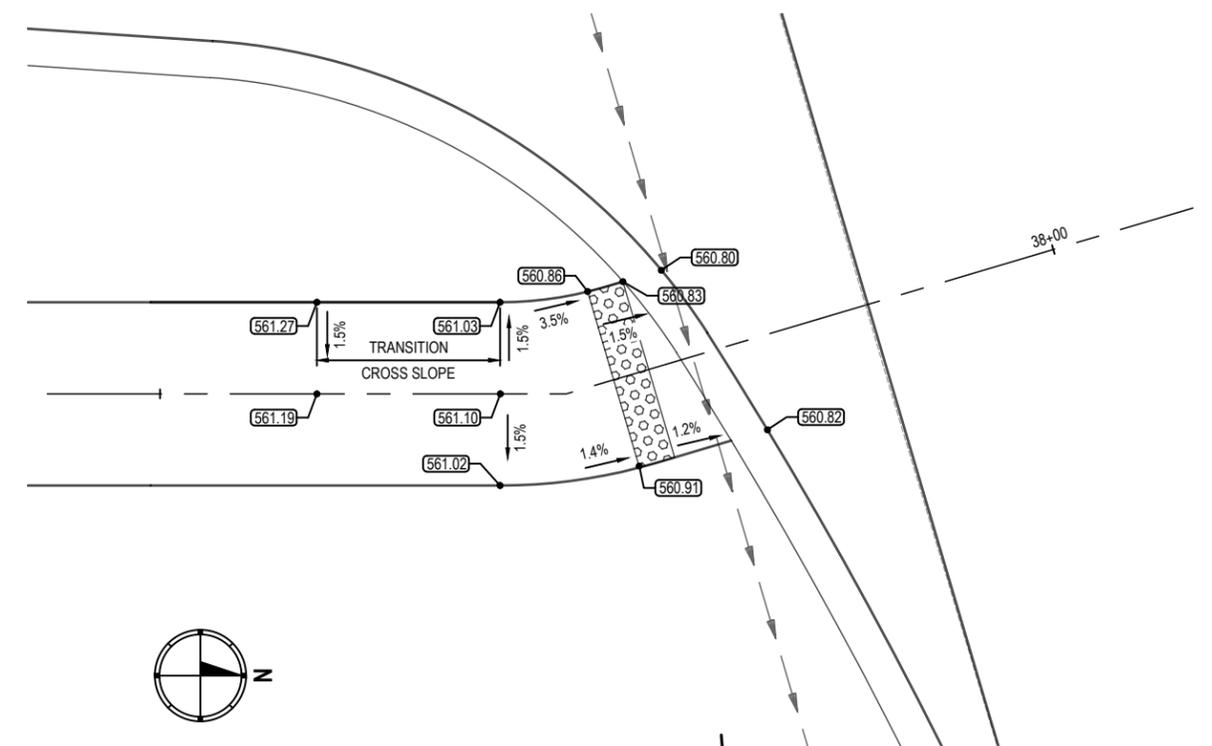
PROPOSED CURVE DATA  
 P.I. STA. 57+84.82  
 $\Delta = 54^\circ 44' 15''$   
 $T = 20.71'$   
 $R = 40.00'$   
 $L = 38.21'$   
 P.C. STA. 57+64.11  
 P.T. STA. 58+02.32



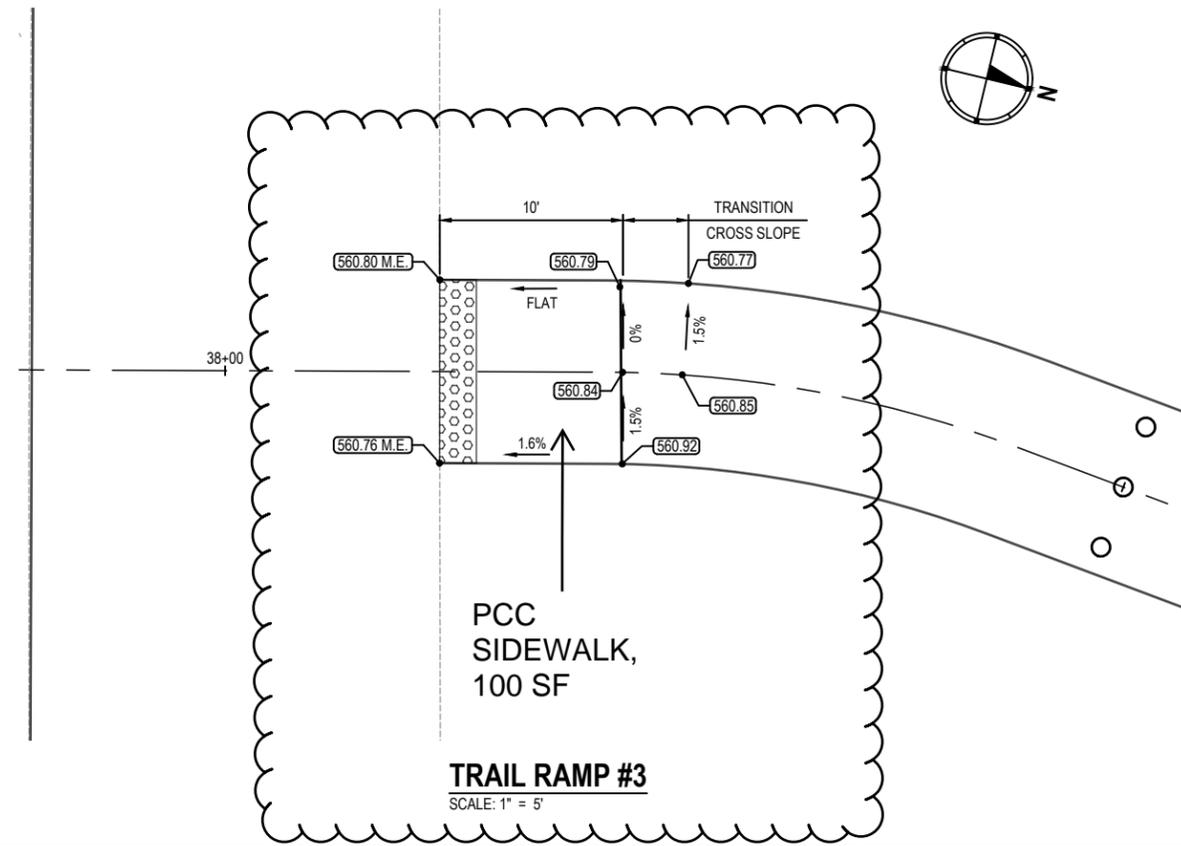
 OATES ASSOCIATES WWW.OATESASSOCIATES.COM ILLINOIS DESIGN FIRM LICENSE NO.: 184.001115	USER NAME = SAM WRIGLEY PLOT SCALE = 1" = 1' PLOT DATE = 2020-11-25	DESIGNED - MYS DRAWN - BAM CHECKED - TLC DATE - 20-11-25	REVISED - REVISED - REVISED - REVISED -	CITY OF TROY 116 E MARKET ST TROY, IL 62294	<b>PLAN &amp; PROFILES</b> SCALE: SHEET NO. 12 OF 16 SHEETS STA. TO STA.	F.A.U. SECTION COUNTY TOTAL SHEETS SHEET NO. RTE. MADISON 86 19 CITY OF TROY PEDESTRIAN PATHS CITY OF TROY
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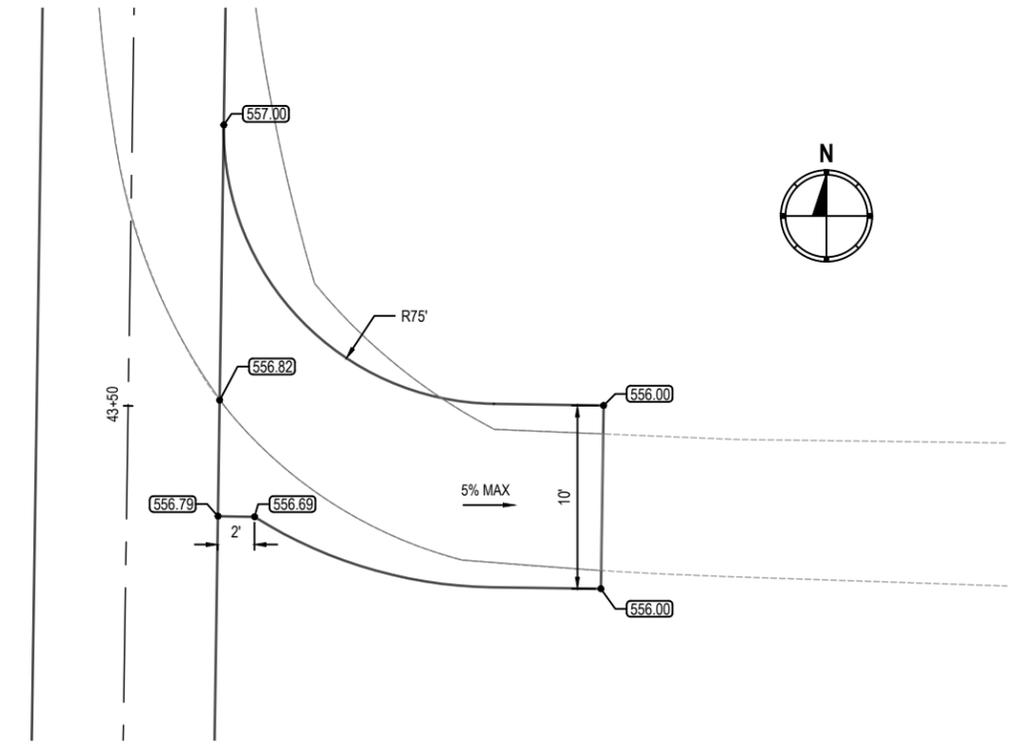
**TRAIL RAMP #1**  
SCALE: 1" = 5'



**TRAIL RAMP #2**  
SCALE: 1" = 5'



**TRAIL RAMP #3**  
SCALE: 1" = 5'



**TRAIL RAMP #4**  
SCALE: 1" = 5'

FILE NAME = 19090 - WAPPING & RAMP DETAILS.DWG

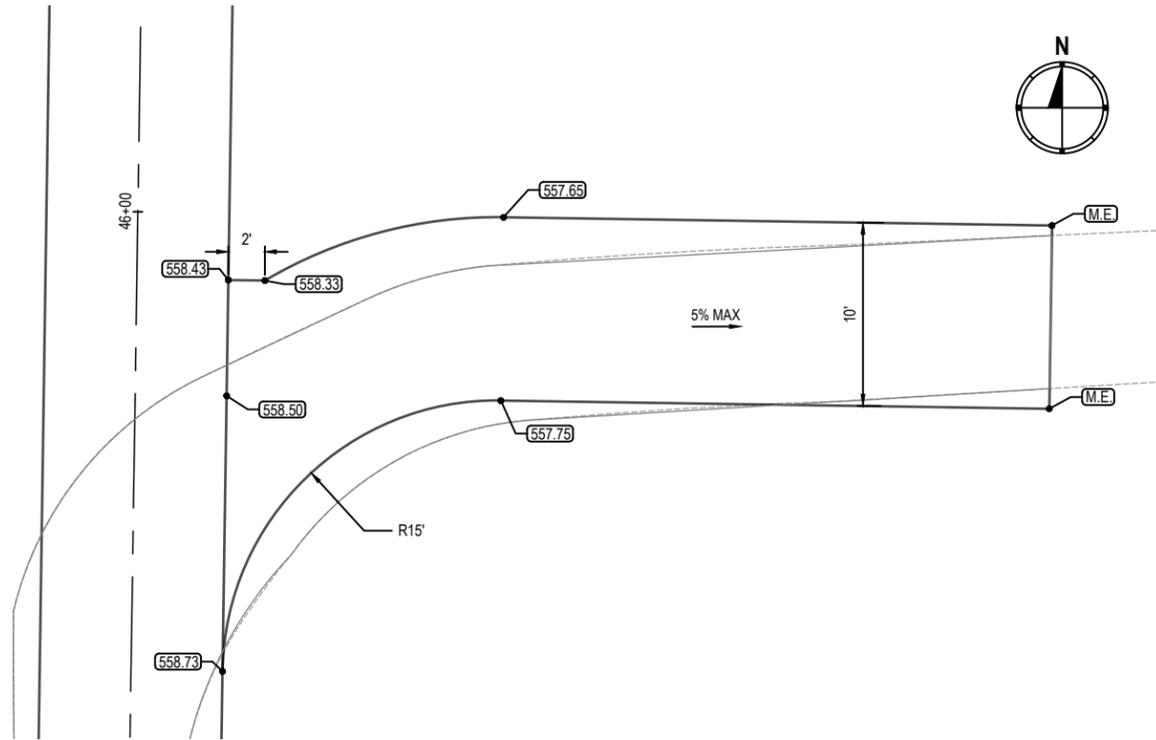
**OATES ASSOCIATES**  
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USER NAME =	SAM WRIGLEY	DESIGNED -	MYS	REVISED -	
PLOT SCALE =	1" = 1'	DRAWN -	BAM	REVISED -	
PLOT DATE =	2020-12-01	CHECKED -	TLC	REVISED -	
		DATE -	20-11-25	REVISED -	

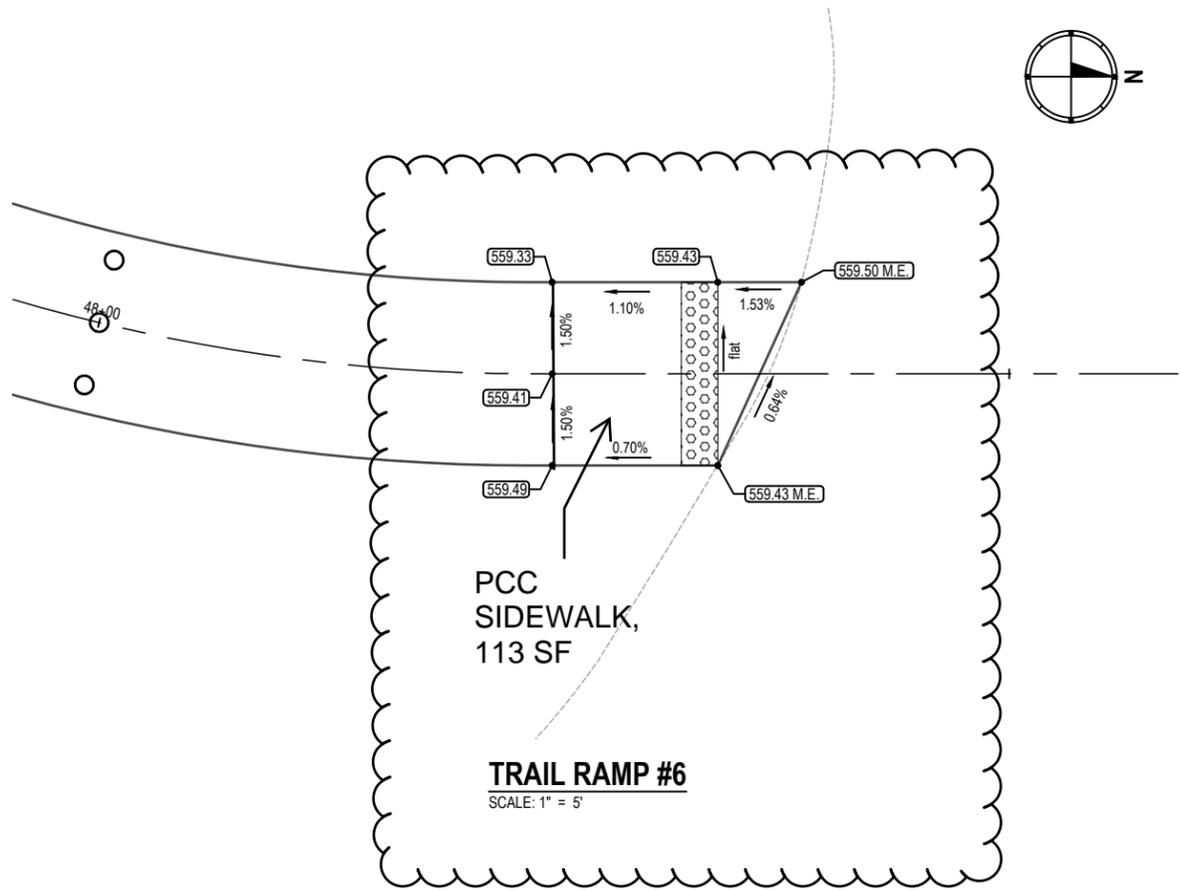
**CITY OF TROY**  
116 E MARKET ST  
TROY, IL 62294

<b>RAMP INTERSECTION DETAILS</b>	
SCALE:	SHEET NO. 1 OF 5 SHEETS STA. TO STA.

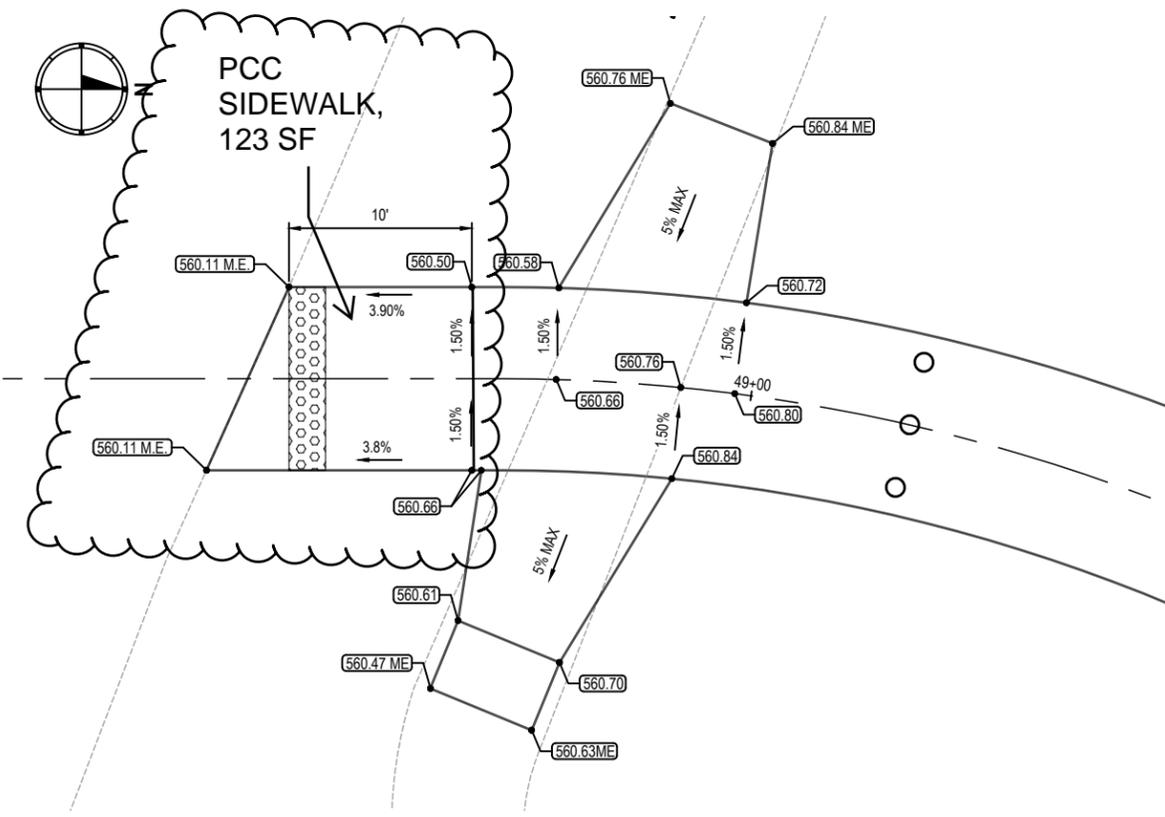
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MADISON	86	28
CITY OF TROY PEDESTRIAN PATHS				
CITY OF TROY				



**TRAIL RAMP #5**  
SCALE: 1" = 5'



**TRAIL RAMP #6**  
SCALE: 1" = 5'



**TRAIL RAMP #7**  
SCALE: 1" = 5'

FILE NAME = 19090 - WAPPING & RAMP DETAILS.DWG

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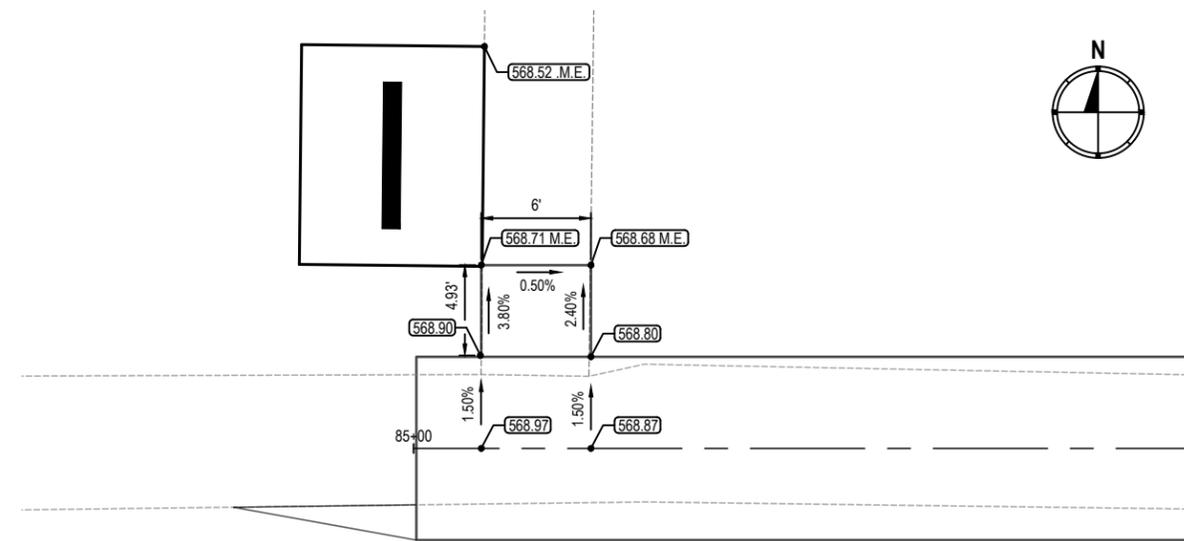
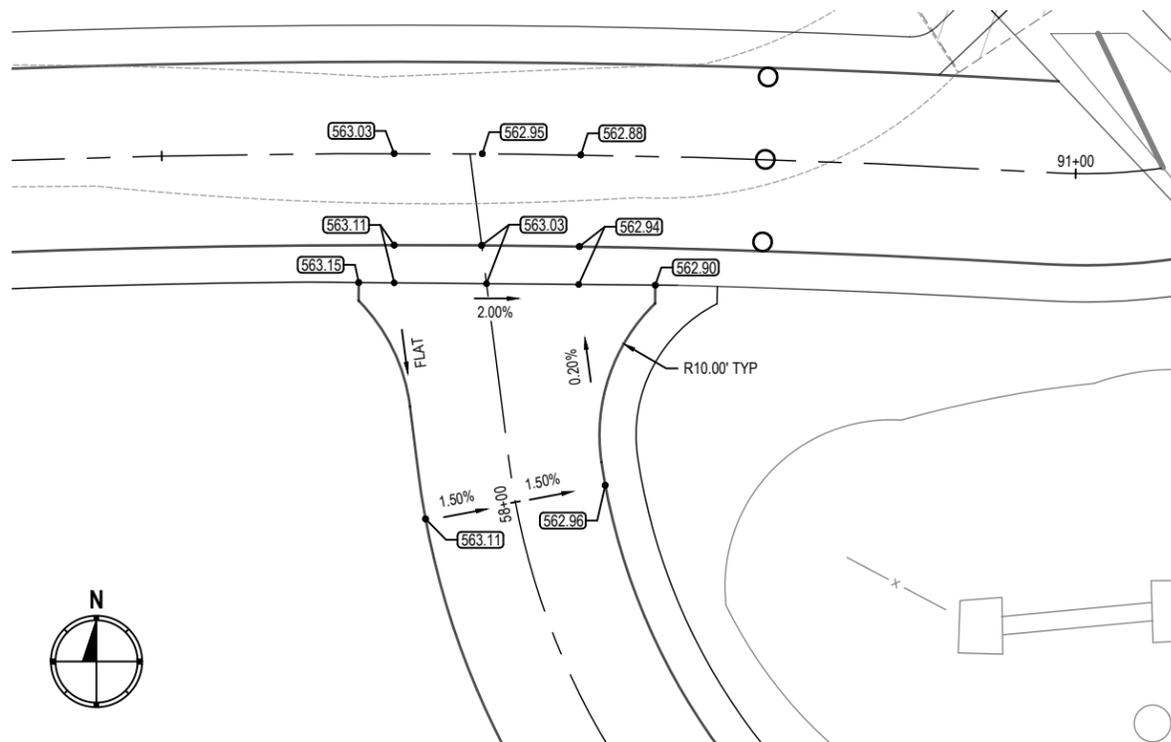
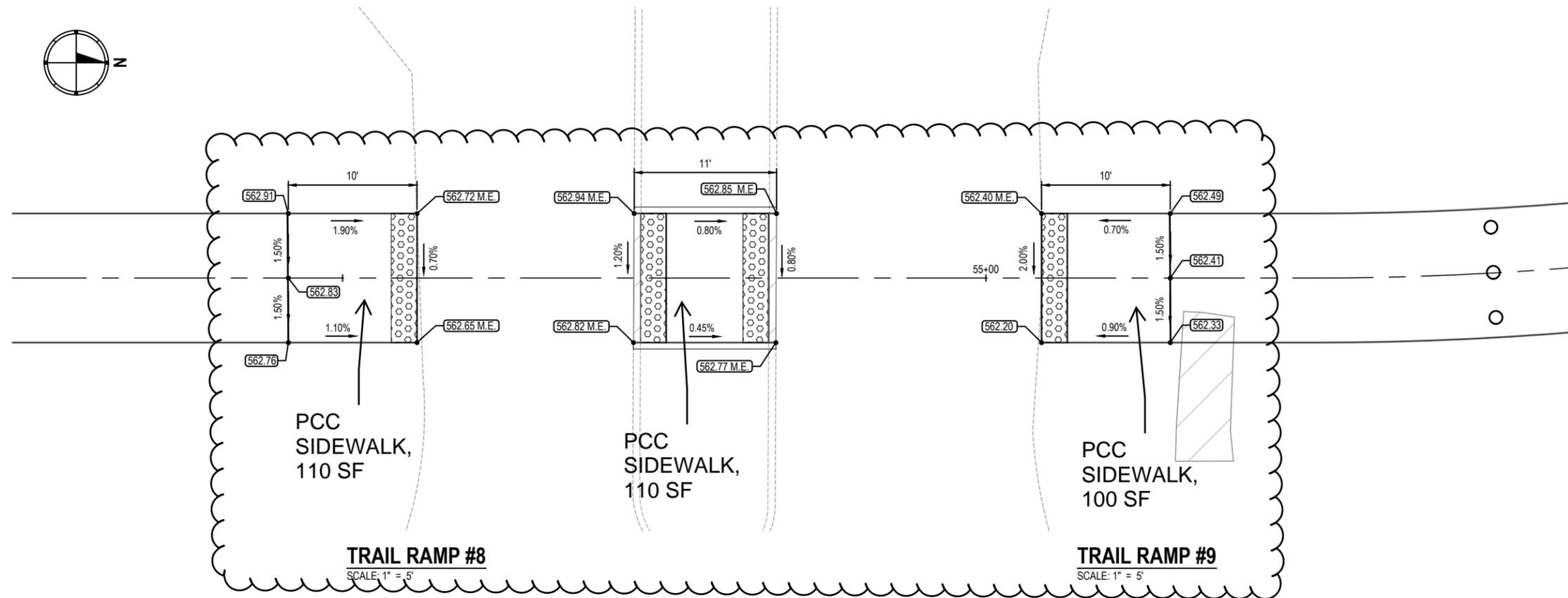
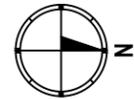
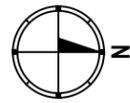
USER NAME =	SAM WRIGLEY	DESIGNED -	MYS	REVISED -	
PLOT SCALE =	1" = 1'	DRAWN -	BAM	REVISED -	
PLOT DATE =	2020-12-01	CHECKED -	TLC	REVISED -	
		DATE -	20-11-25	REVISED -	

**CITY OF TROY**  
116 E MARKET ST  
TROY, IL 62294

**RAMP INTERSECTION DETAILS**

SCALE:	SHEET NO. 2 OF 5 SHEETS	STA.	TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MADISON	86	29
CITY OF TROY PEDESTRIAN PATHS				
CITY OF TROY				



FILE NAME = 19090 - WAPPING & RAMP DETAILS.DWG



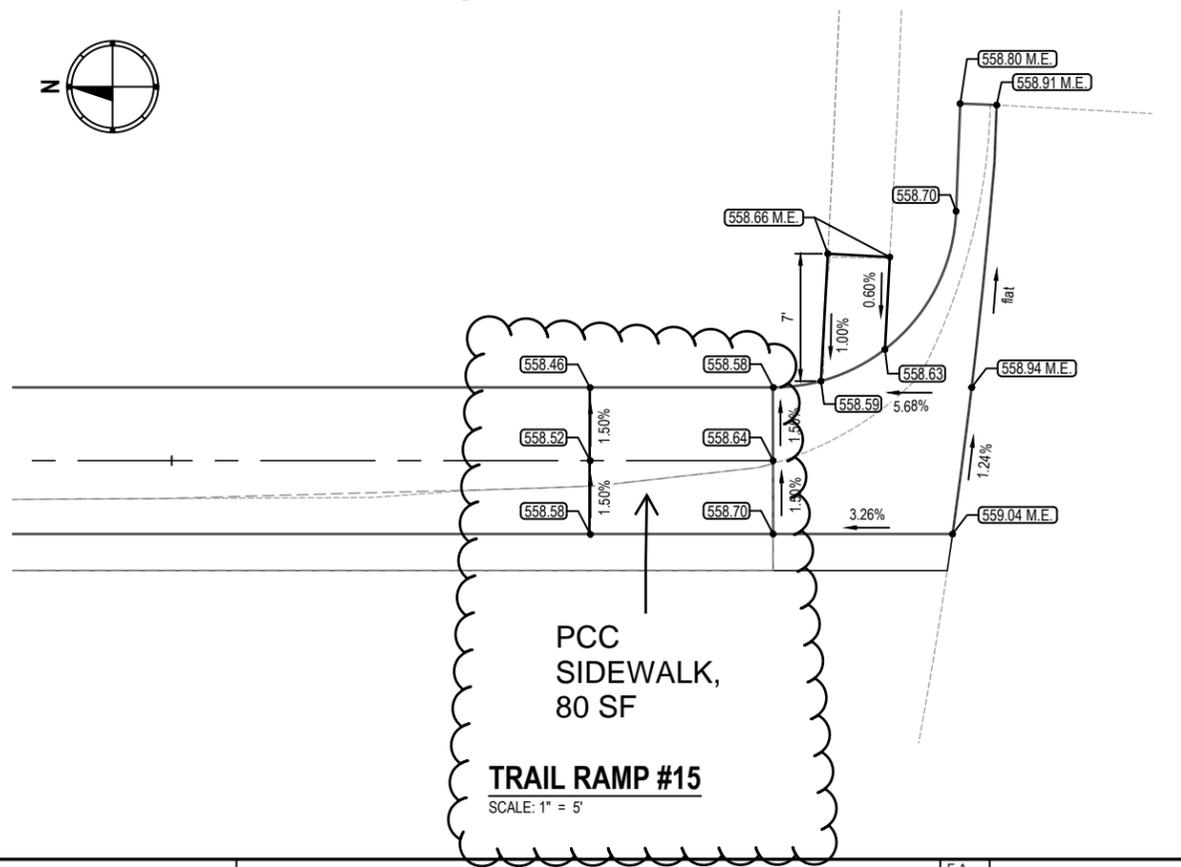
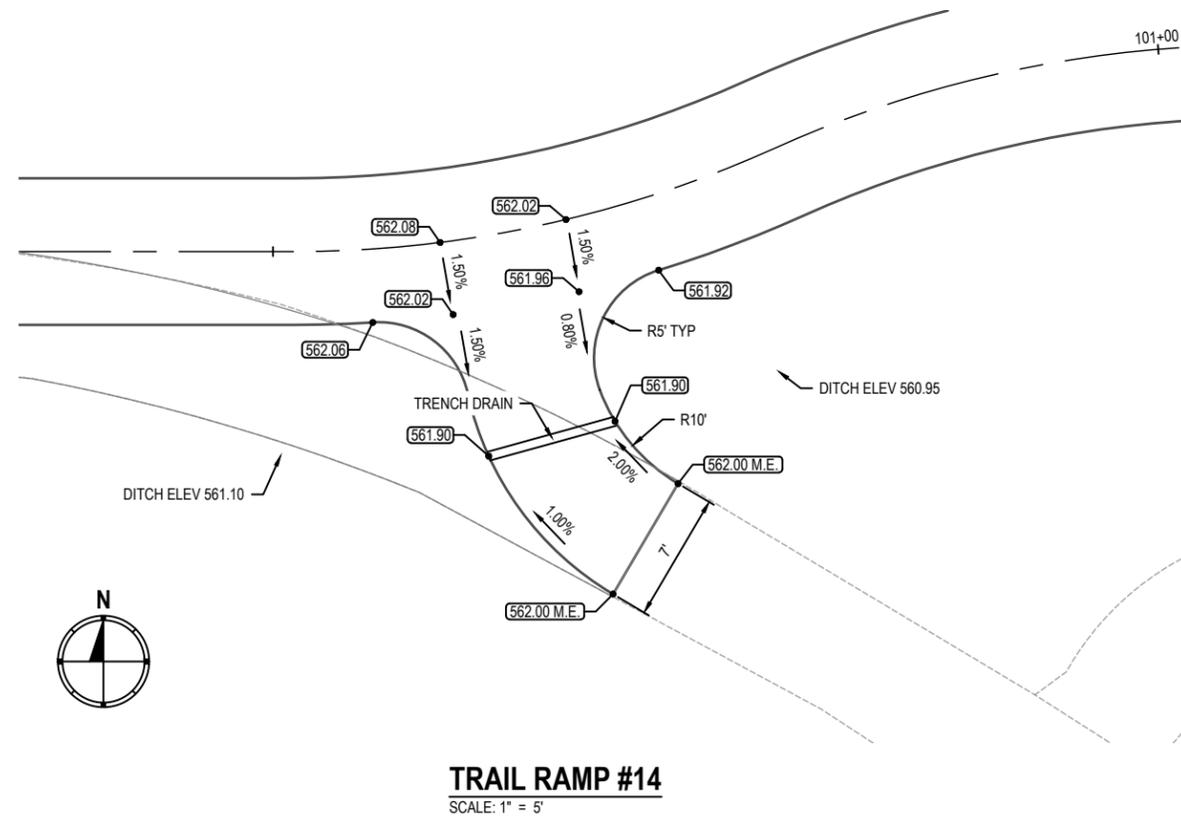
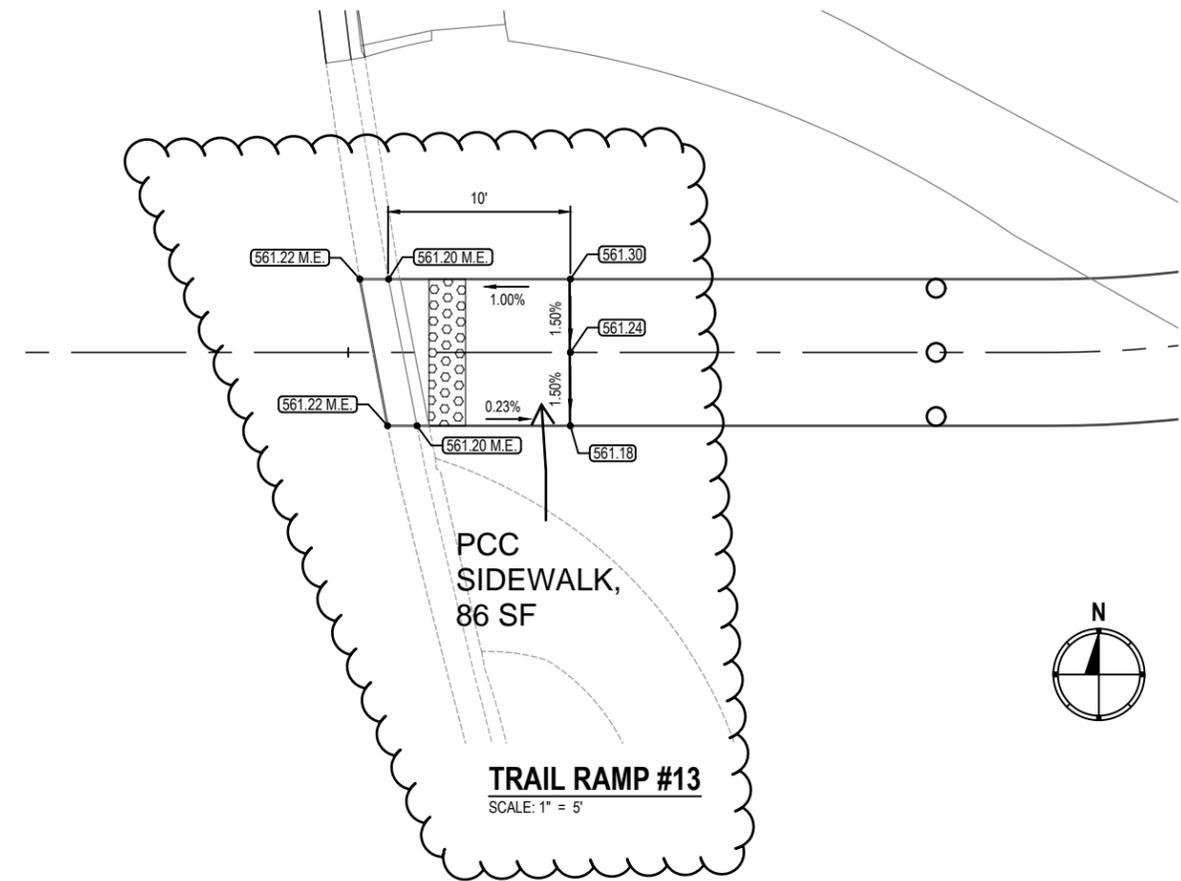
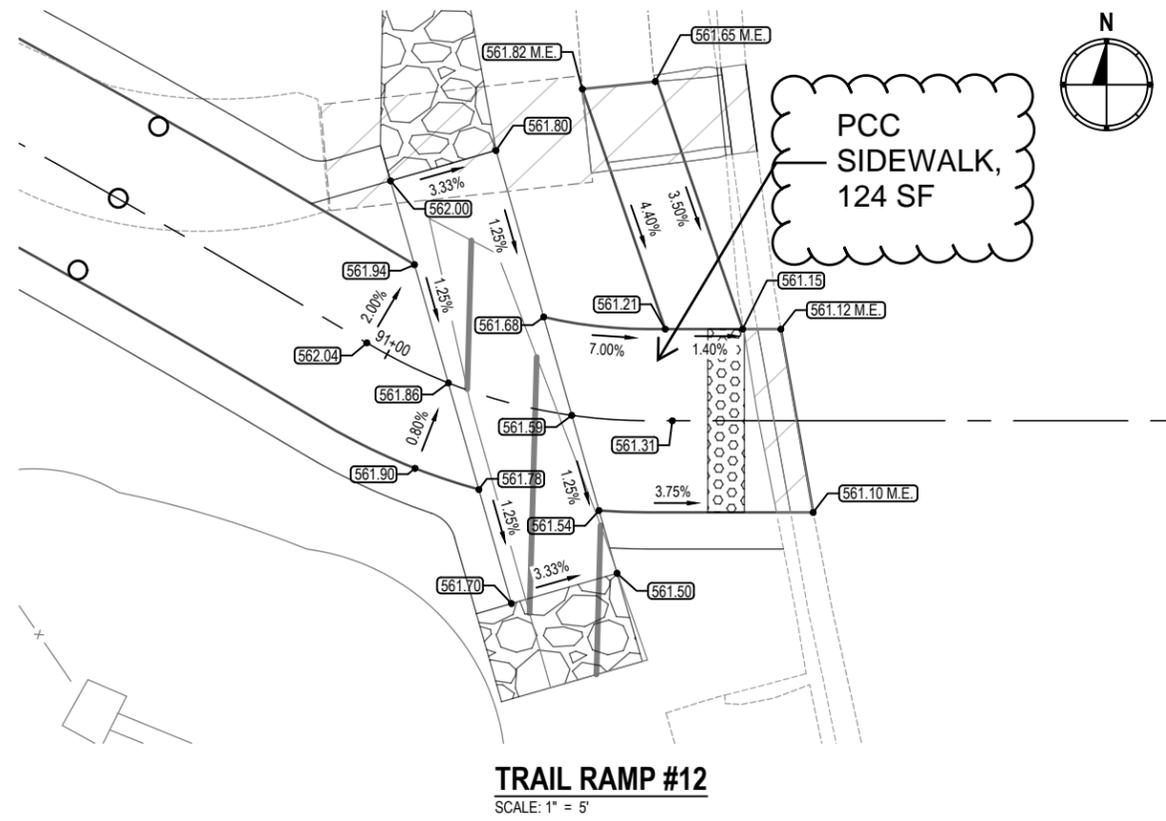
USER NAME =	SAM WRIGLEY	DESIGNED -	MYS	REVISED -	
PLOT SCALE =	1" = 1'	DRAWN -	BAM	REVISED -	
PLOT DATE =	2020-11-25	CHECKED -	TLC	REVISED -	
		DATE -	20-11-25	REVISED -	

**CITY OF TROY**  
116 E MARKET ST  
TROY, IL 62294

**RAMP INTERSECTION DETAILS**

SCALE: SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MADISON	86	30
CITY OF TROY PEDESTRIAN PATHS				
CITY OF TROY				



FILE NAME = 19090 - WAPPING & RAMP DETAILS.DWG

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USER NAME =	SAM WRIGLEY	DESIGNED -	MYS	REVISED -	
PLOT SCALE =	1" = 1'	DRAWN -	BAM	REVISED -	
PLOT DATE =	2020-12-01	CHECKED -	TLC	REVISED -	
		DATE -	20-11-25	REVISED -	

**CITY OF TROY**  
116 E MARKET ST  
TROY, IL 62294

RAMP INTERSECTION DETAILS	
SCALE:	SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MADISON	86	31
CITY OF TROY PEDESTRIAN PATHS CITY OF TROY				