

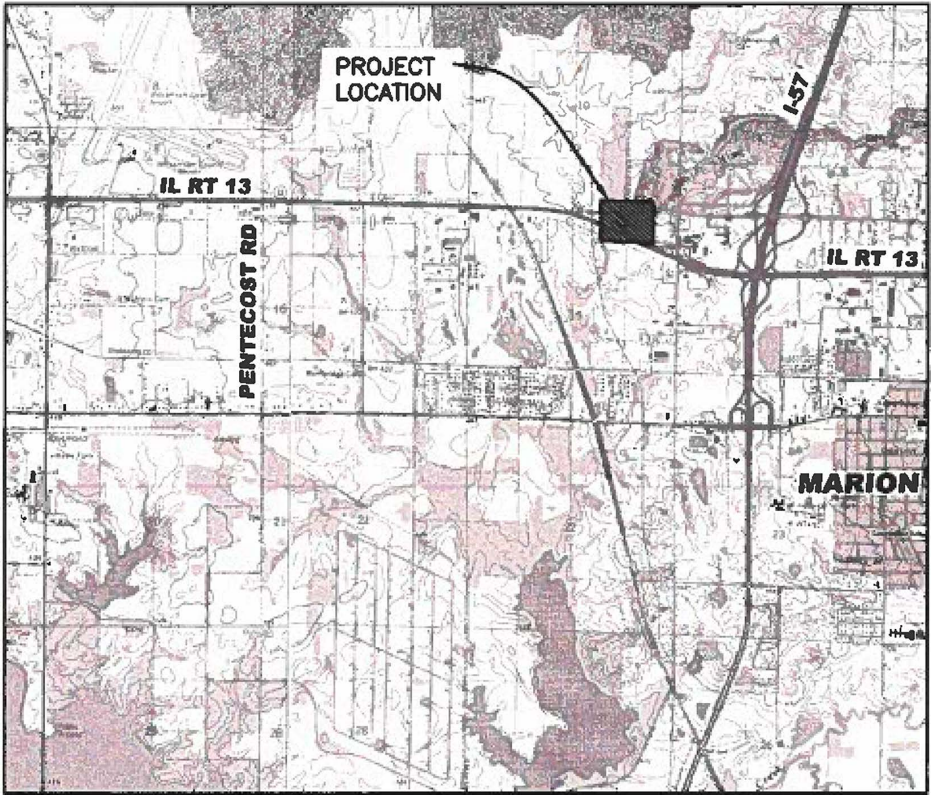
01-21-2022 LETTING ITEM 121

PLANS FOR THE
CONSTRUCTION OF
17TH ST. / WILLIAMSON COUNTY PARKWAY INTERSECTION
MARION, ILLINOIS

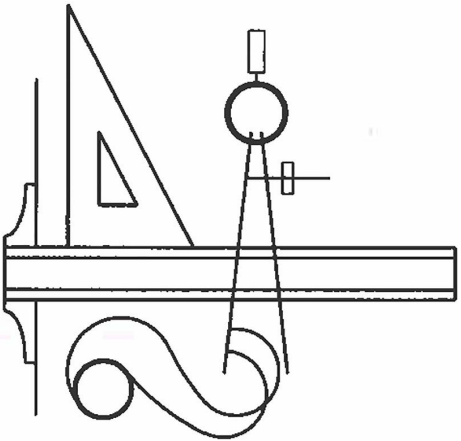
HIGHWAY STANDARDS

- 000001-08 Abbreviations, Symbols & Patterns
- 001001-02 Areas of Reinforcement Bars
- 001006 Decimal of inch and foot
- 606001-08 Conc. Curb TYB & Comb. C&G
- 606301-04 PC Conc. Islands & Medians
- 701602-10 Urban Lane Closure Multilane 2W with 2WLFTL
- 701701-10 Urban Lane Closure, Multilane Intersection
- 857001-01 Standard Phase Des. Diagrams and Seq.
- 862001-01 Uninterruptable Power Supply (UPS)
- 873001-02 Traffic Signal Grounding and Bonding
- 877001-08 Steel Mast Arm Assembly and Pole, 16'-55'
- 878001-11 Concrete Foundation Details
- 880006-01 Traffic Signal Mounting Details

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	DATE 10/29/21 BY 21
DESIGNED BY [Signature]	
PRICE	NOV 10 21
FOR [Signature]	
FOR [Signature]	
FOR [Signature]	



LOCATION MAP
NO SCALE



NOTES

1. UNDERGROUND STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS AND, THEREFORE, THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES, EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
2. CONTRACTOR SHALL CONTACT J.U.L.I.E. OPERATOR AT 1-800-892-0123 FOR MARKING OF EXISTING UNDERGROUND UTILITIES. J.U.L.I.E. SHOULD BE CONTACTED A MINIMUM OF 96 HOURS IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL MEET ALL REQUIREMENTS FOR CROSSING OF ANY EXISTING UTILITIES.
3. UNLESS MODIFIED BY THE PROJECT SPECIFICATIONS, ALL SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION. HOWEVER, STORM SEWER, SANITARY SEWER AND WATER LINE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION. ALL SITE WORK SHALL COMPLY WITH THE ILLINOIS ACCESSIBILITY CODE.
4. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR APPROVAL BEFORE ORDERING MATERIALS FOR FINAL CONSTRUCTION.

INDEX OF SHEETS

- | | |
|-------|---|
| 01 | COVER |
| 02-04 | SUMMARY OF QUANTITIES |
| 05 | EXISTING CONDITIONS |
| 06 | REMOVAL PLAN |
| 07 | TYPICAL SECTIONS |
| 08 | GENERAL LAYOUT |
| 09 | LAYOUT SHEET |
| 10 | EROSION CONTROL PLAN |
| 11 | EROSION CONTROL DETAILS |
| 12 | TRAFFIC SIGNAL PLAN |
| 13 | TRAFFIC SIGNAL CABLE PLAN |
| 14 | VIDEO DETECTION SYSTEM
INSTALLATION DETAIL |

SECTION	COUNTY	CONTRACT NO.
19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

W. Brian Ziegler
WILLIAM BRIAN ZIEGLER, P.E.
DATE 11/9/21



EXPIRES : NOVEMBER 30, 2021

CLARIDA & ZIEGLER ENGINEERING COMPANY
P.O. Box 937, 410 North Court Street
Marion, Illinois 62959
PROJECT 20024
STATE JOB NO. C-99-012-20

SUMMARY OF QUANTITIES


COUNTY:	WILLIAMSON COUNTY	WILLIAMSON COUNTY
ROUTE:	MS 6055 MS 1103	MS 6055 MS 1103
FUNDING:	HSIP 90% FEDERAL 10% LOCAL	HSIP 90% FEDERAL 10% LOCAL
LOCATION:	URBAN	URBAN
TOTAL QUANTITY	ROADWAY	SIGNALS
	0021	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	SIGNALS
				0021	0021
20400100	BORROW EXCAVATION	CU YD	50	50	
28000400	PERIMETER EROSION BARRIER	FOOT	200	200	
28000500	INLET AND PIPE PROTECTION	EACH	1	1	
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	65	65	
35300900	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE 6"	SQ YD	98	98	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,031	1,031	
40604002	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N70	TON	260	260	
44000100	PAVEMENT REMOVAL	SQ YD	185	185	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2,192	2,192	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	207	207	
44003100	MEDIAN REMOVAL	SQ FT	883	883	
60600605	CONCRETE CURB, TYPE B	FOOT	500	500	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	213	213	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	470	470	
67100100	MOBILIZATION	L SUM	1	1	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	30	30	
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	15	15	

* SPECIALTY ITEM

STATE JOB NO. C-99-012-20


SECTION	COUNTY	CONTACT NO.
19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515			
REVISIONS		 <p style="text-align: center;"> CLARIDA & ZIEGLER ENGINEERING CO. 410 North Court St, P.O. Box 937 Marion, Illinois 62959 Phone - (618)993-6411, Fax - (618)993-6750 </p>	
DATE	NO.		
		SUMMARY OF QUANTITIES 17TH ST. / WILL. CO. PKWY. INTERSECTION MARION, IL	
Date	NOV. 2021	DR. BY	J.W.F.
Scale	N/A	Job No.	20024
		Sheet No.	2 of 14
		CK'D By	J.V.Z.

COUNTY:	WILLIAMSON COUNTY	WILLIAMSON COUNTY
ROUTE:	MS 6055 MS 1103	MS 6055 MS 1103
FUNDING:	HSIP 90% FEDERAL 10% LOCAL	HSIP 90% FEDERAL 10% LOCAL
LOCATION:	URBAN	URBAN
TOTAL QUANTITY	ROADWAY	SIGNALS
	0021	0021

* SPECIALTY ITEM

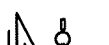
SECTION	COUNTY	CONTACT NO.
19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515			
REVISIONS		© 2021 ALL RIGHTS RESERVED	
DATE	NO.	 <p style="margin-top: 10px;">CLARIDA & ZIEGLER ENGINEERING CO.</p> <p>410 North Court St, P.O. Box 937 Marion, Illinois 62959</p> <p>Phone - (618)993-6411, Fax - (618)993-6750</p>	
		SUMMARY OF QUANTITIES 17TH ST. / WILLI. CO. PKWY. INTERSECTION MARION, IL	
Date	NOV. 2021	DR. By	J.W.F.
Scale	N/A	Job No.	20024
		Sheet No.	3 of 14
		CK'D By	J.V.Z.

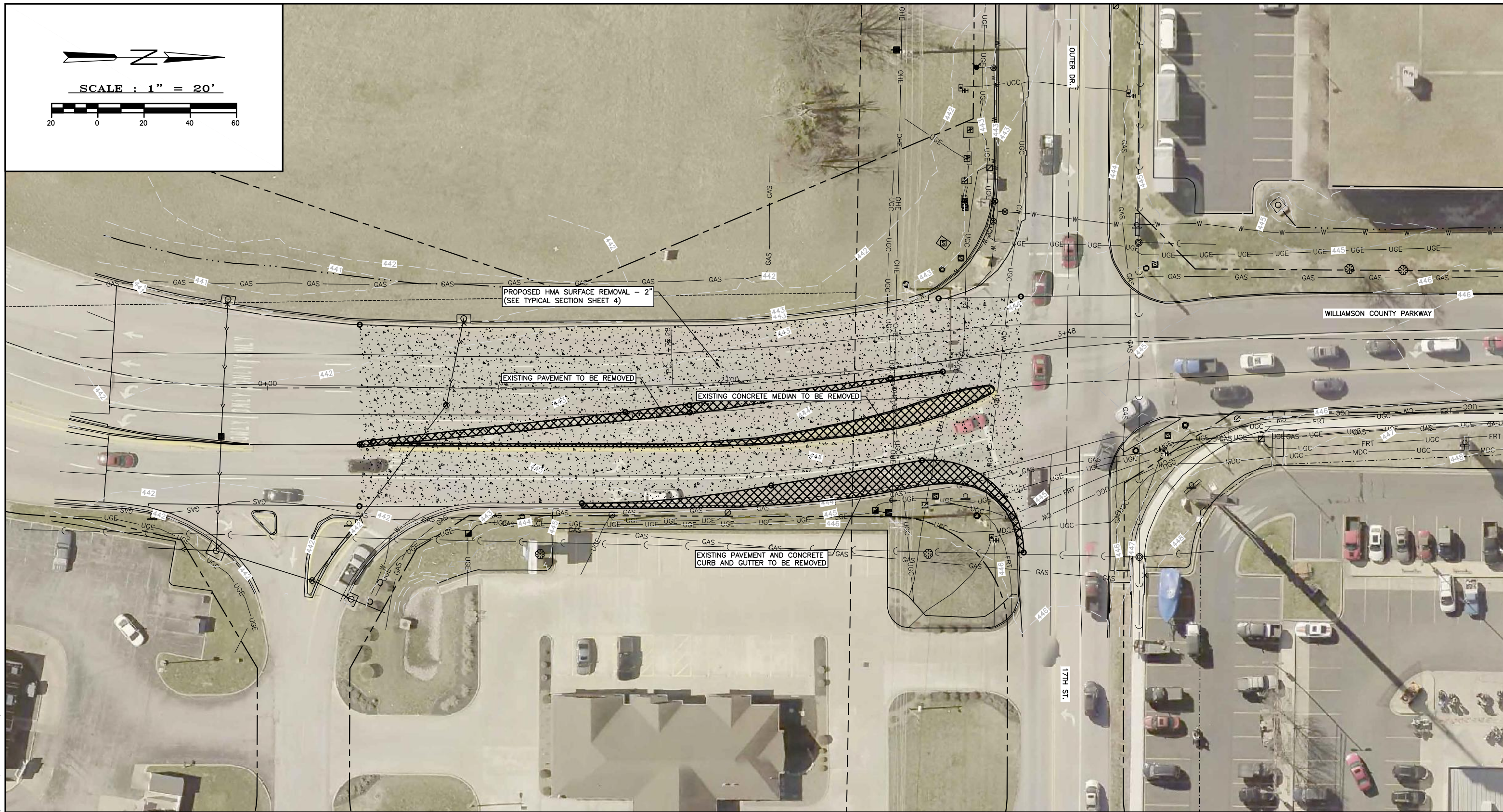
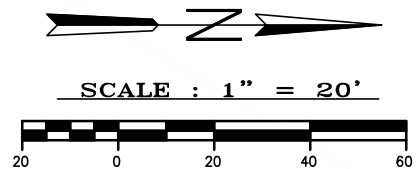
CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	SIGNALS
				0021	0021
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	40.5		40.5
87900200	DRILL EXISTING HANDHOLE	EACH	5		5
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2		2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	5		5
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	6		6
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4		4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	180	180	
78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	653	653	
78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	90	90	
78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	48	48	
X8050115	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1		1
Z0010688	CAMERA MOUNTING ASSEMBLY	EACH	4		4
Z0033062	RADIO TRANSCEIVER	EACH	1		1
Z0033072	VIDEO VEHICLE DETECTION SYSTEM	EACH	1		1

STATE JOB NO. C-99-012-20

SECTION	COUNTY	CONTACT NO.
19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515																							
REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">DATE</th> <th style="width: 50%;">NO.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	DATE	NO.																					 <p style="font-size: small;">© 2021 ALL RIGHTS RESERVED</p> <h2 style="margin: 0;">CLARIDA & ZIEGLER ENGINEERING CO.</h2> <p>410 North Court St, P.O. Box 937 Marion, Illinois 62959</p> <p>Phone - (618)993-6411, Fax - (618)993-6750</p>
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Date NOV. 2021</td> <td style="width: 33%;">DR. By J.W.F.</td> <td style="width: 33%;">CK'D By J.V.Z.</td> </tr> <tr> <td>Scale N/A</td> <td>Joh No. 20024</td> <td>Sheet No. 4 of 14</td> </tr> </table>		Date NOV. 2021	DR. By J.W.F.	CK'D By J.V.Z.	Scale N/A	Joh No. 20024	Sheet No. 4 of 14																
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Scale N/A	Joh No. 20024	Sheet No. 4 of 14																					

P:\20024 Marion Outer Wm Co Parkway\Drawings - Plans\06 Removal Plan.dwg 11-10-21 09:15:21 AM Patrick



STATE JOB NO. C-99-012-20

SECTION	COUNTY	CONTACT NO.
19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

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DATE	NO.

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REMOVAL PLAN
17TH ST. / WILL. CO. PKWY. INTERSECTION
MARION, IL

Date MAY 2021	DR. By G.E.G.	CK'D By W.B.Z.
Scale 1"=20'	Job No. 20024	Sheet No. 6 of 14



SECTION	COUNTY	CONTACT NO.
19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

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DATE	NO.



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TYPICAL SECTIONS

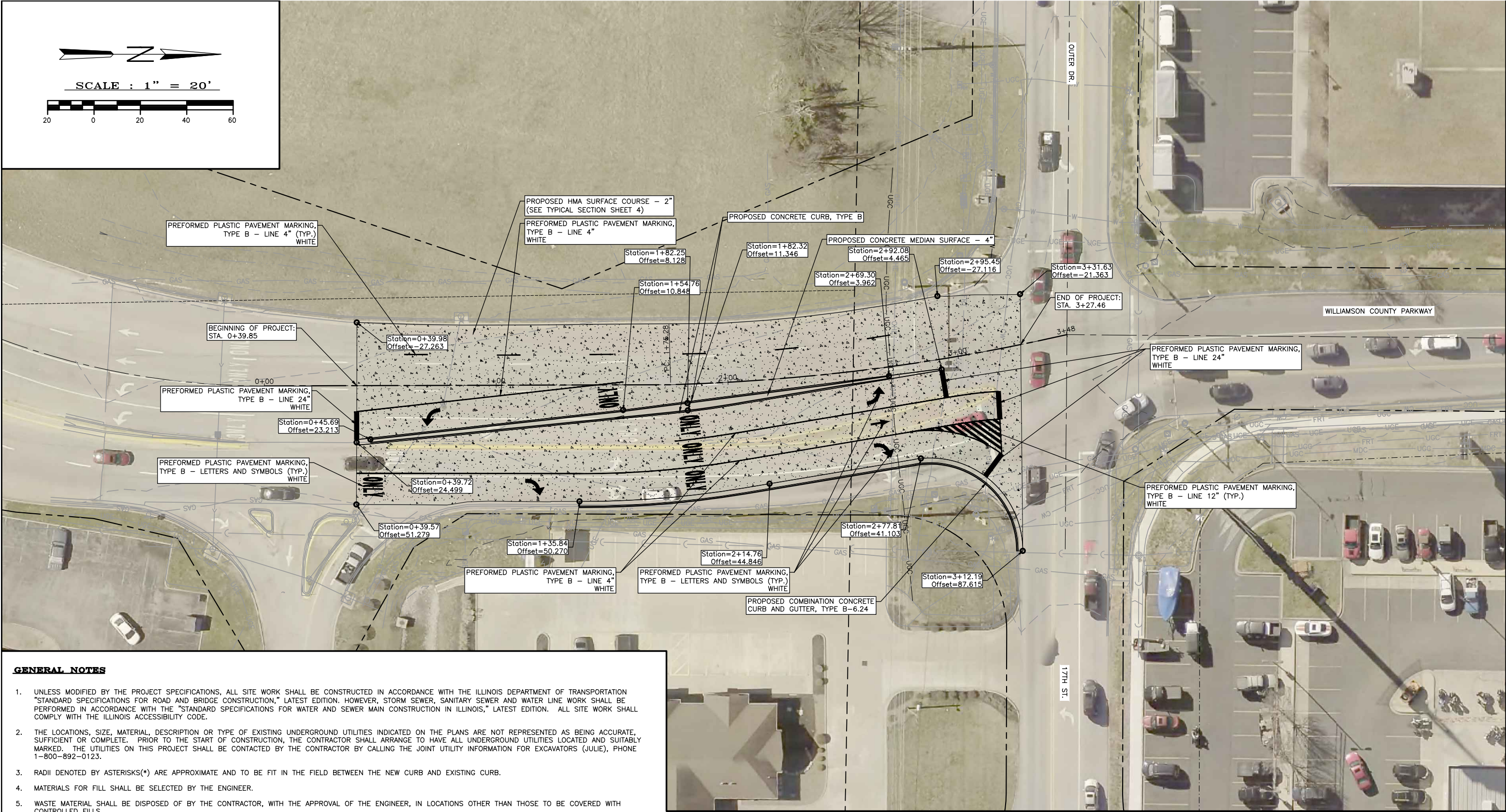
17TH ST. / WILL. CO. PKWY. INTERSECTION

MARION, IL

Date	MAY 2021
Scale	N/A

DR. By	G.E.G.
Job No.	200224

Ck'D By	W.B.Z.
Sheet No.	7 of 14



GENERAL NOTES

- UNLESS MODIFIED BY THE PROJECT SPECIFICATIONS, ALL SITE WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION. HOWEVER, STORM SEWER, SANITARY SEWER AND WATER LINE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS," LATEST EDITION. ALL SITE WORK SHALL COMPLY WITH THE ILLINOIS ACCESSIBILITY CODE.
- THE LOCATIONS, SIZE, MATERIAL, DESCRIPTION OR TYPE OF EXISTING UNDERGROUND UTILITIES INDICATED ON THE PLANS ARE NOT REPRESENTED AS BEING ACCURATE, SUFFICIENT OR COMPLETE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL ARRANGE TO HAVE ALL UNDERGROUND UTILITIES LOCATED AND SUITABLY MARKED. THE UTILITIES ON THIS PROJECT SHALL BE CONTACTED BY THE CONTRACTOR BY CALLING THE JOINT UTILITY INFORMATION FOR EXCAVATORS (JULIE), PHONE 1-800-892-0123.
- RADII DENOTED BY ASTERISKS(*) ARE APPROXIMATE AND TO BE FIT IN THE FIELD BETWEEN THE NEW CURB AND EXISTING CURB.
- MATERIALS FOR FILL SHALL BE SELECTED BY THE ENGINEER.
- WASTE MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR, WITH THE APPROVAL OF THE ENGINEER, IN LOCATIONS OTHER THAN THOSE TO BE COVERED WITH CONTROLLED FILLS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESTORE THE GRADE TO THE DESIGN ELEVATIONS CHANGED BY NATURAL CAUSES UNTIL ACCEPTED BY THE OWNER FOR COMPLIANCE TO PLANS.
- THE CONTRACTOR SHALL PERFORM IN THE BEST AND MOST WORKMANLIKE MANNER A COMPLETE GRADING AND COMPACTION OPERATION AS SHOWN ON THE PLANS, OR AS STATED IN THE SPECIFICATIONS PREPARED BY THE ENGINEER.
- THE CONTRACTOR SHALL CONFINE HIS WORK WITHIN THE DESIGNATED WORK AREAS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM ALL NECESSARY EARTH EXCAVATION DUTIES AND GRADE, DISK, SEED, FERTILIZE, AND MULCH ALL AREAS DISTURBED BY THE CONSTRUCTION AND MISCELLANEOUS OPERATIONS OF THE PROJECT, AS DESCRIBED IN THE SPECIAL PROVISIONS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL PAVEMENT STRIPING SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH IDOT SPECIFICATIONS.

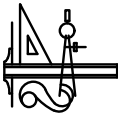
STATE JOB NO. C-99-012-20

SECTION	COUNTY	CONTACT NO.
19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

REVISIONS

DATE NO.



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**GENERAL LAYOUT
17TH ST. / WILL. CO. PKWY. INTERSECTION
MARION, IL**

Date MAY 2021 DR. By G.E.G. CK'D By W.B.Z.
Scale 1"=20' Job No. 20024 Sheet No. 8 of 14

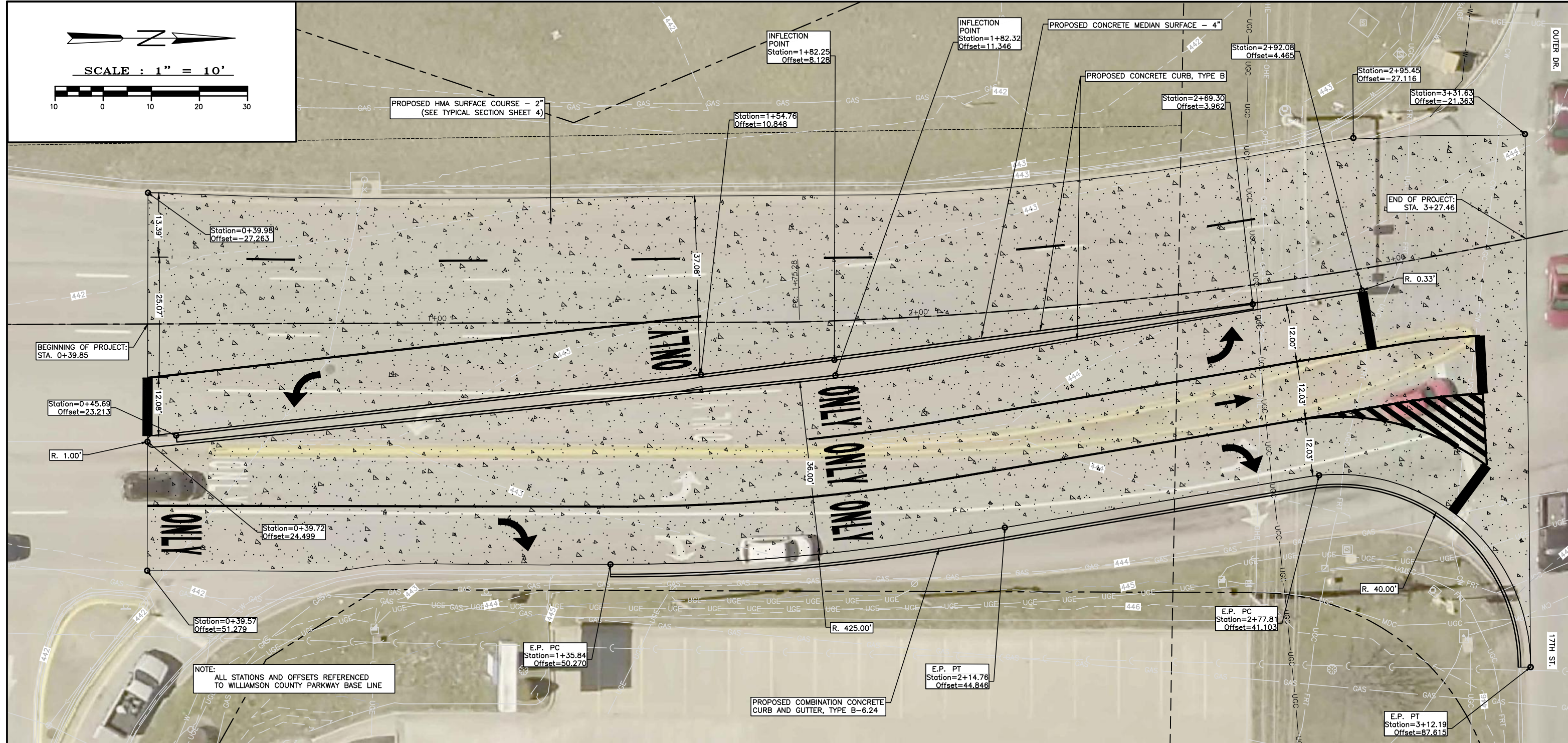



Diagram illustrating a plan view of a road intersection. A black rectangular area represents a building. A curved road segment is shown with a radius of 1.00' (R. 1.00'). A vertical road segment is shown with a minimum clearance of 6.00' (MINIMUM). A horizontal road segment is shown with a minimum clearance of 1.00' (MINIMUM). The diagram includes dimension lines and labels for these clearances and the radius.

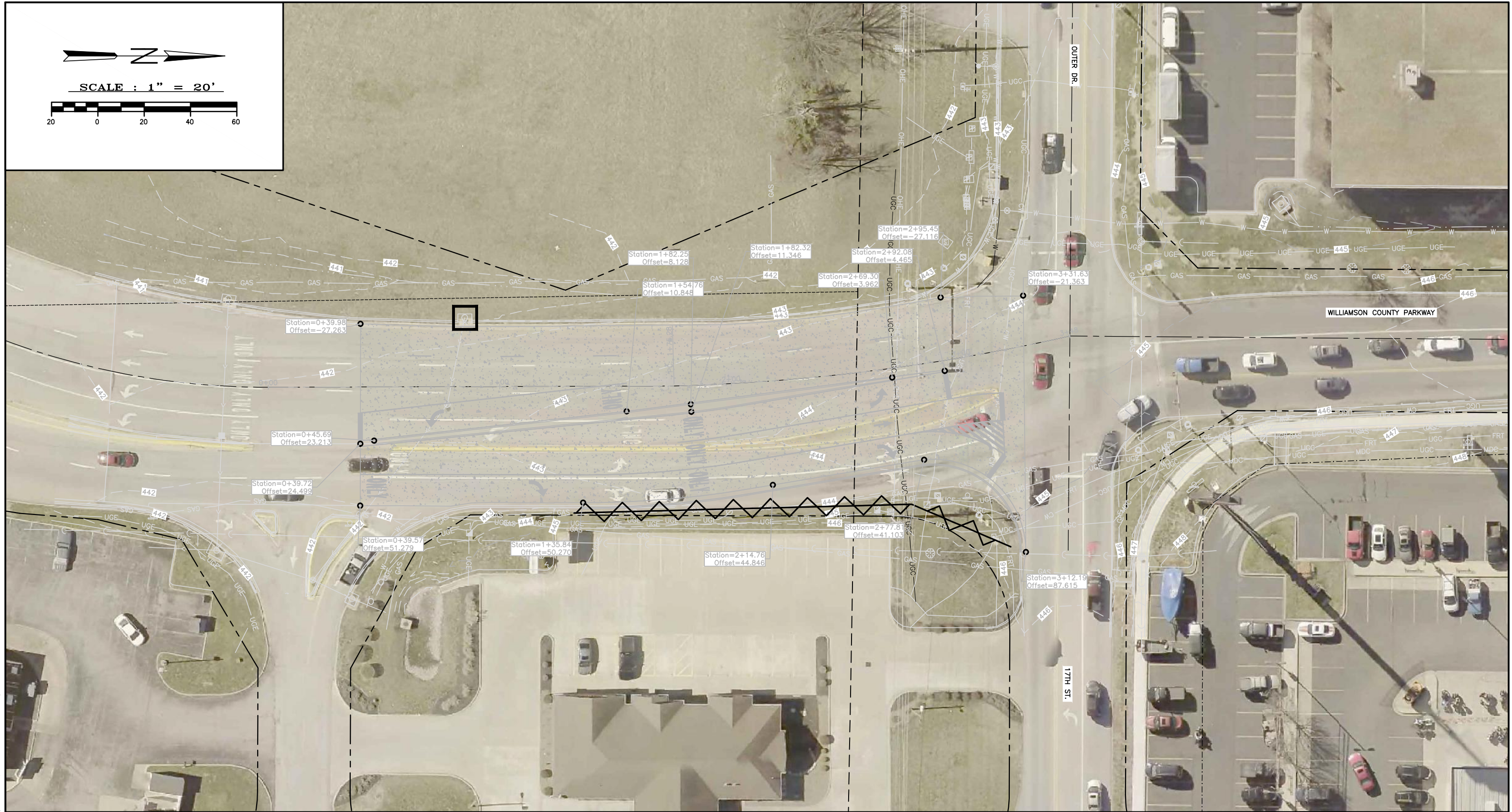
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19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515			
REVISIONS		© 2021 ALL RIGHTS RESERVED	
DATE	NO.	 <p style="font-size: 1.5em; font-weight: bold; margin-top: 10px;">CLARIDA & ZIEGLER ENGINEERING CO.</p> <p style="margin-top: 10px;">410 North Court St, P.O. Box 937 Marion, Illinois 62959</p> <p style="margin-top: 10px;">Phone - (618)993-6411, Fax - (618)993-6750</p>	
		LAYOUT SHEET 17TH ST. / WILL. CO. PKWY. INTERSECTION MARION, IL	
Date	SEPT 2021	DR. By	Z.M.S.
		CK'D By	W.B.Z.
Scale	1"=10'	Job No.	200224
		Sheet No.	9 of 14

P:\20024 Marion Outer Wm Co Parkway\Drawings - Plans\10 Erosion Control Plan.dwg 11-10-21 09:15:36 AM Patrick



SCALE : 1" = 20'



LEGEND:

PROPOSED PERIMETER EROSION BARRIER



PROPOSED INLET AND PIPE PROTECTION



STATE JOB NO. C-99-012-20

SECTION	COUNTY	CONTACT NO.
19-00124-00-SP	WILLIAMSON	99634
ROUTE: MS 6055 (WILLIAMSON COUNTY PARKWAY) MS 1103 (17TH STREET)		

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

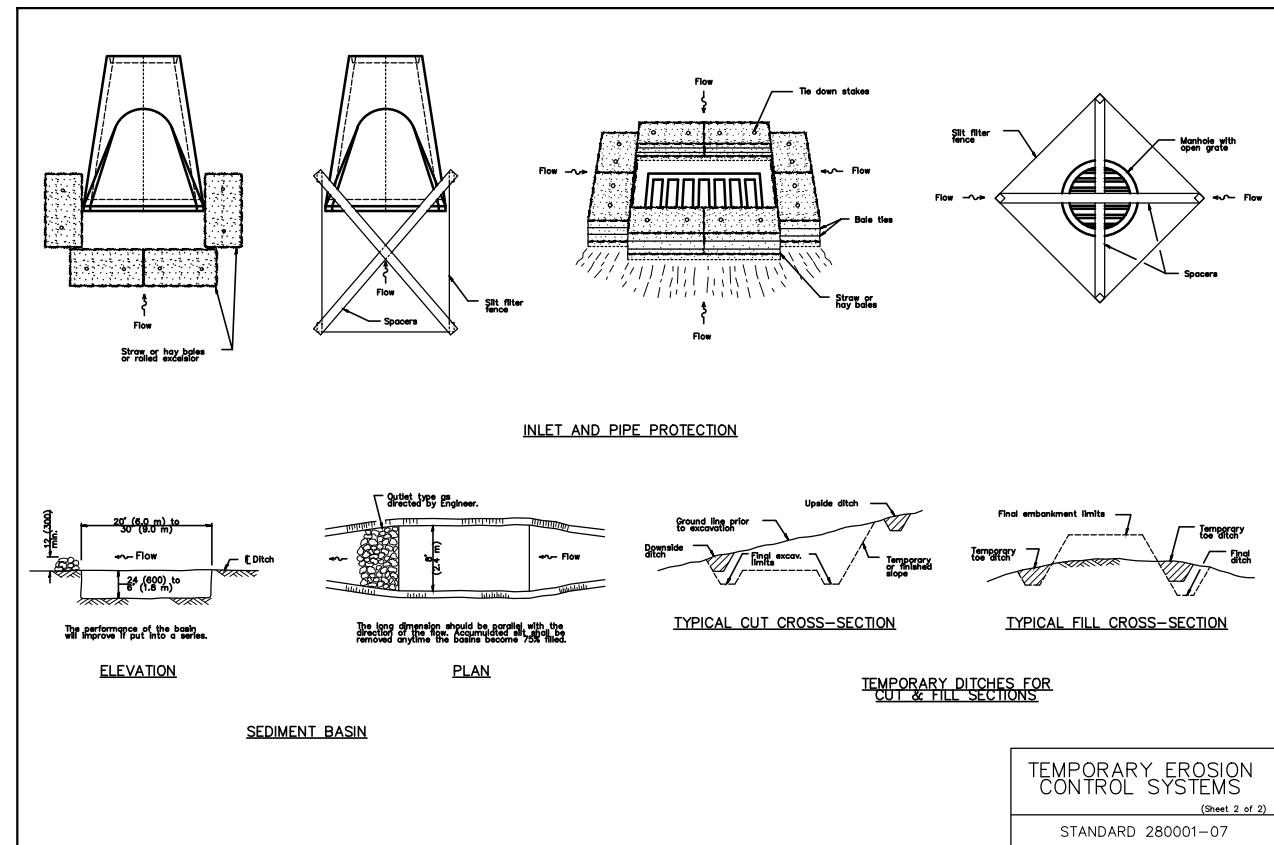
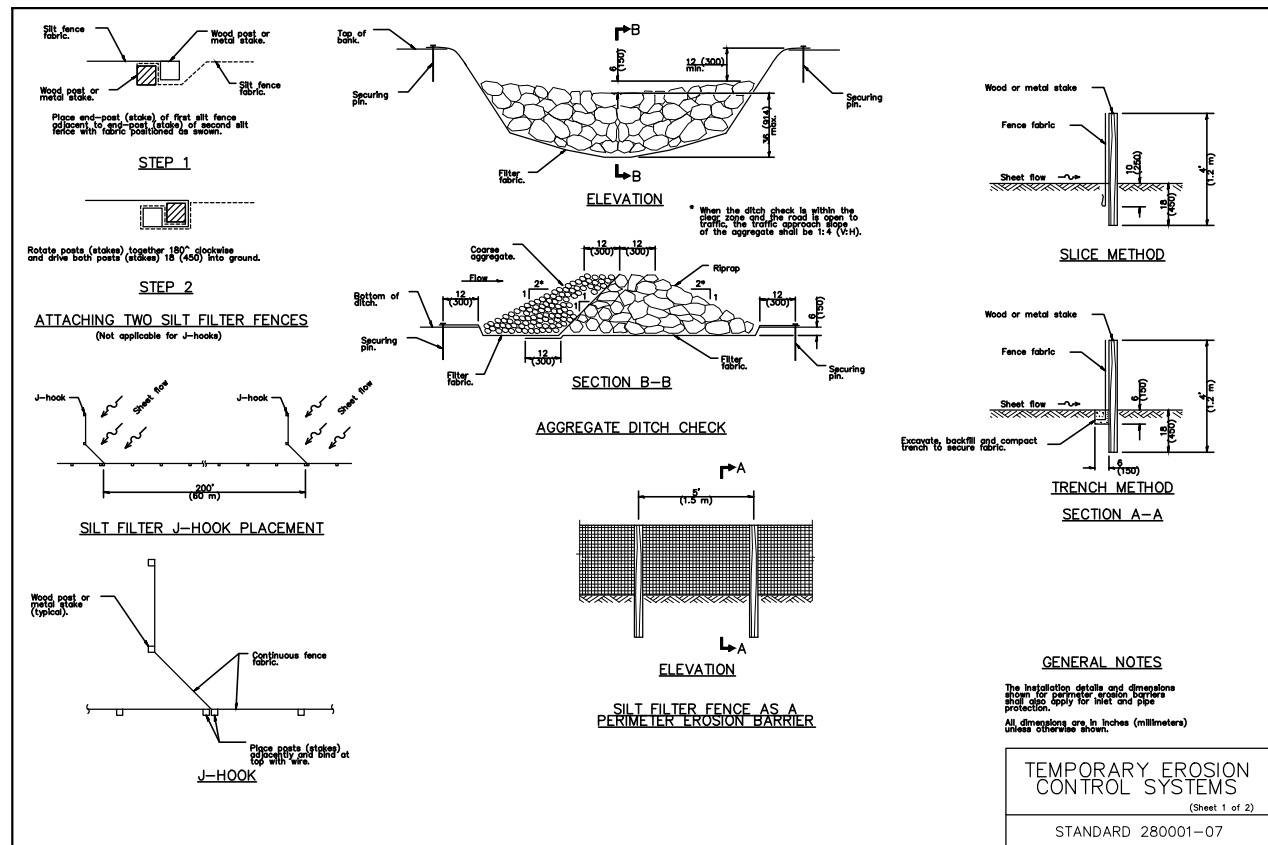
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**EROSION CONTROL PLAN
17TH ST. / WILL. CO. PKWY. INTERSECTION
MARION, IL**

Date MAY 2021 DR. By G.E.G. CK'D By W.B.Z.
Scale 1"=20' Job No. 20024 Sheet No. 10 of 14



STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

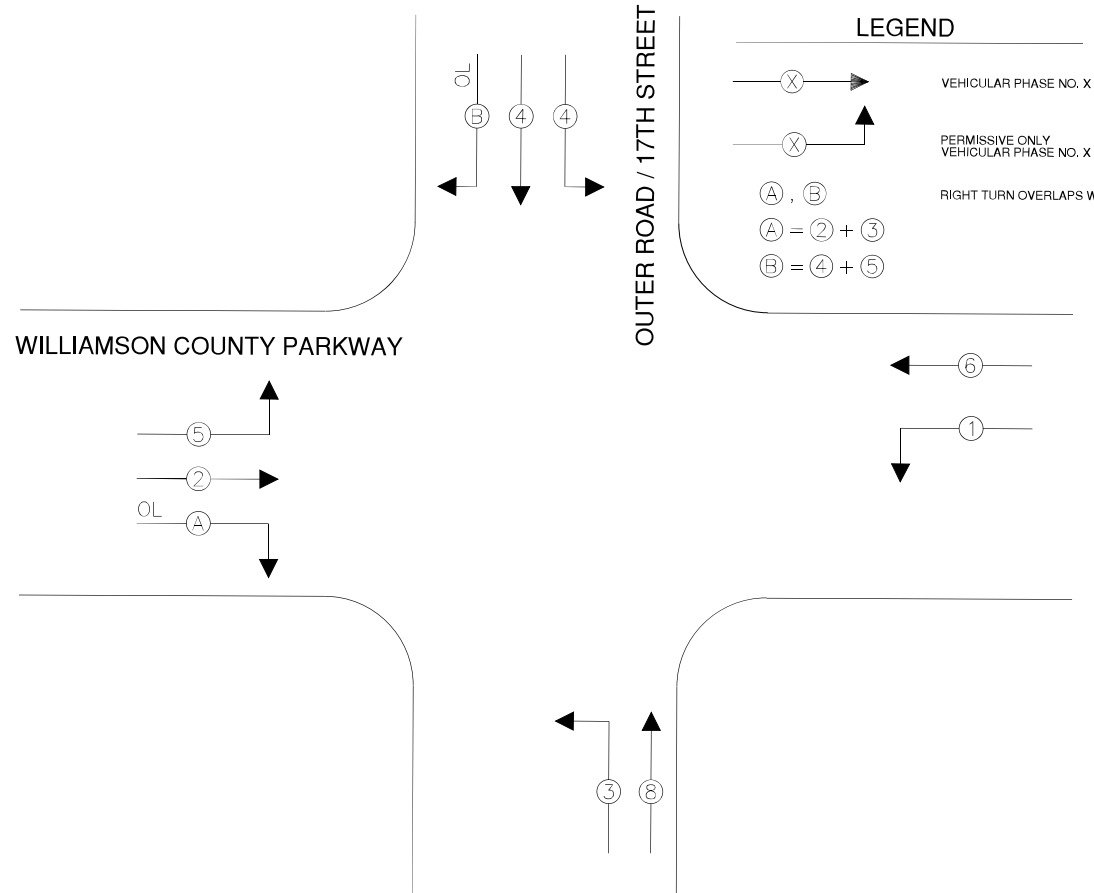
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DATE						NO.
<p>EROSION CONTROL DETAILS</p> <p>17TH ST. / WILL. CO. PKWY. INTERSECTION</p> <p>MARION, IL</p>						
Date	MAY 2021	DR. By	G.E.G.	CK'D By	W.B.Z.	
Scale	N/A	Job No.	20024	Sheet No.	11 of 14	

* **NOTE:** ALL EXISTING CABLE IN CONDUIT BESIDES THE CABLES FOR THE SIGNAL HEADS ON THE EXISTING MAIN ARM AND SIGNAL POST IN THE SOUTHWEST QUADRANT OF THE INTERSECTION IS TO BE REMOVED. EXISTING CONDUIT IS TO BE REMOVED. EXISTING TRAFFIC SIGNALS AND TRAFFIC SIGNAL POSTS ARE BEING REMOVED AND NEW CONDUIT IS PROPOSED. ALL REMOVAL OF EXISTING ELECTRICAL CABLE AND CONDUIT WILL BE INCLUDED IN THE PRICE OF REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. EXISTING STREET SIGNAL PANELS MOUNTED ON EXISTING TRAFFIC SIGNAL POSTS OR MAIN ARMS WILL BE REMOVED AND PAID FOR AS REMOVE SIGN PANEL, TYPE 1, SQ. FT.

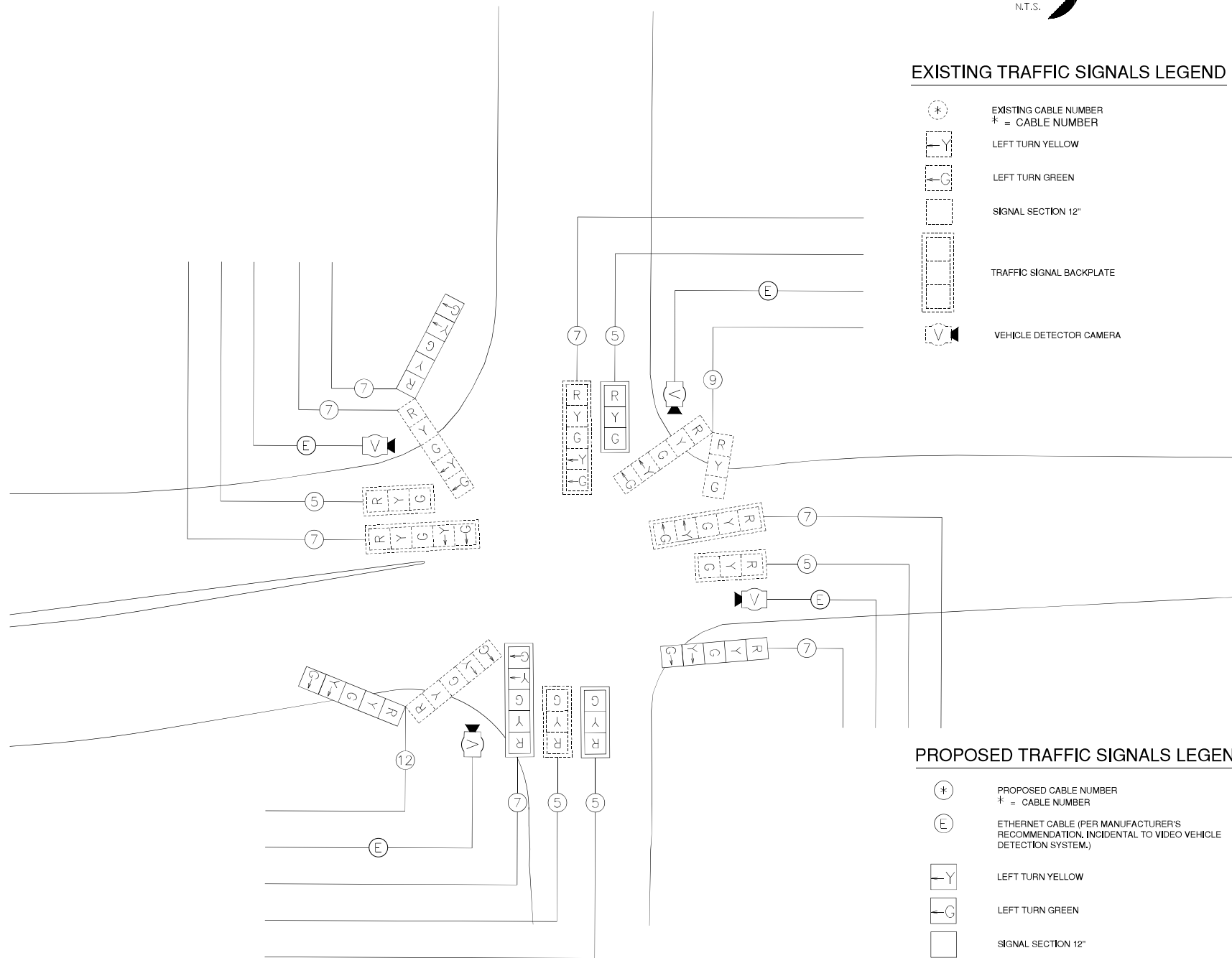
<u>5/13/21</u>	<u>11/30/21</u>
DATE	RENEWAL DATE

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000613	
REVISIONS	
DATE	NO.

L:\Client\Ziegler\21001009-00\Draw\Roadway\CADD_Sheets\02_Traffic_Signal_Cable_Plan.dwg 6-16-21 10:32:34 AM rthampsey



PROPOSED PHASE DESIGNATION DIAGRAM



Brian M. Bond

DATE 5/13/21 RENEWAL DATE 11/30/21

STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000613	
REVISIONS	
DATE	NO.
CMT Crawford, Murphy & Tilly	
TRAFFIC SIGNAL CABLE PLAN WILLAMSON COUNTY PARKWAY IMPROVEMENTS CITY OF MARION, ILLINOIS	
Date MAY 2021	DR. By BMB
Scale N.T.S.	Job No. 20024
Sheet No. 13	of 14

