

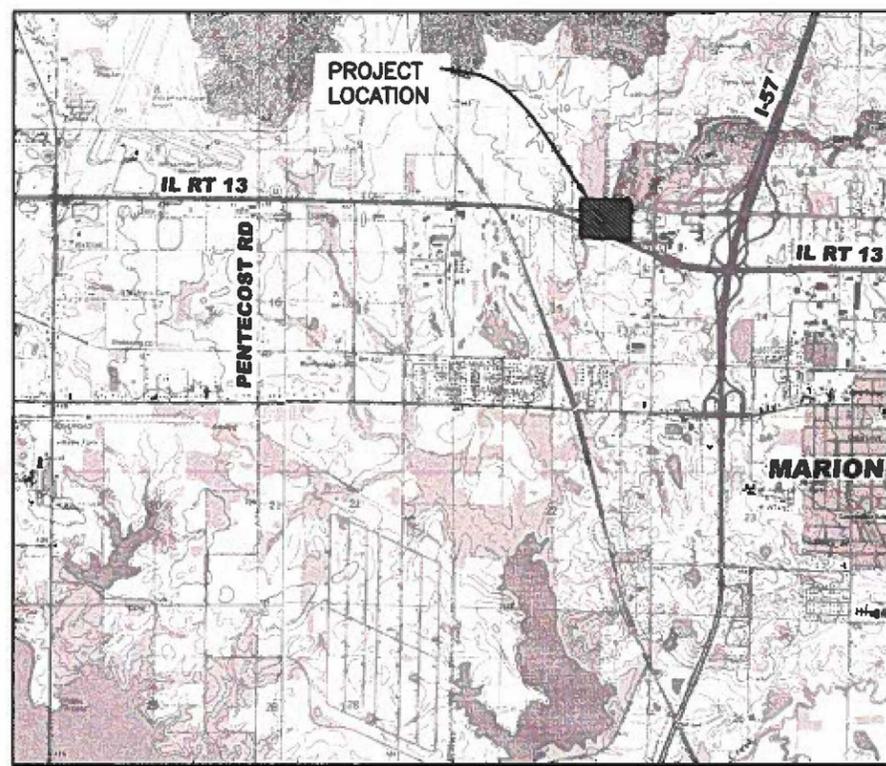
01-21-2022 LETTING ITEM 121

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

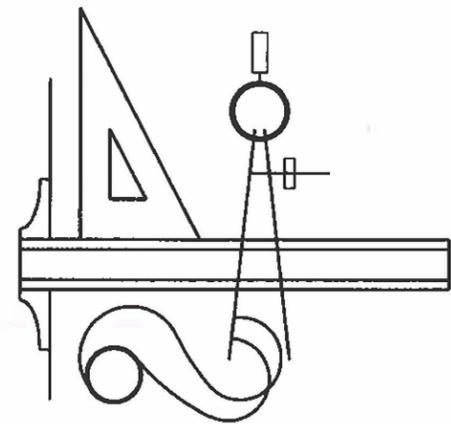
HIGHWAY STANDARDS

- 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 <i>[Signature]</i> . 21	
MURKIN	
PREPARED <i>[Signature]</i> . 24	
DESIGNED FOR ROAD & CROSSL	
RELEASED FOR BID . 21	
OR LIMITED REVISION <i>[Signature]</i>	
DEPUTY DIRECTOR OF RECORDS, DESIGN & CONSTRUCTION	



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)		

[Signature]
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 – CONT

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
	ROADWAY	SIGNALS
	0021	0021

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY		
* 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

* 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)		

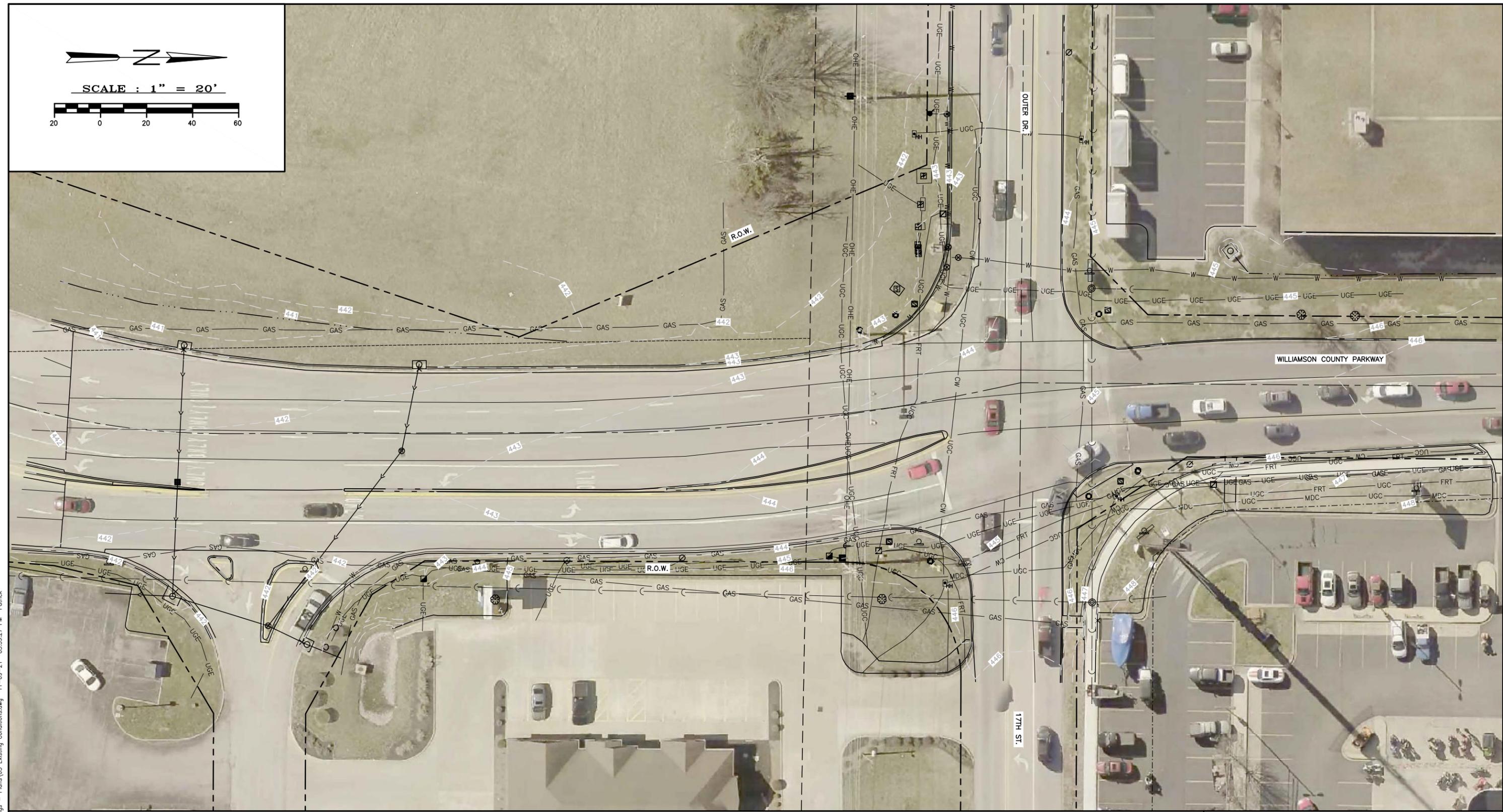
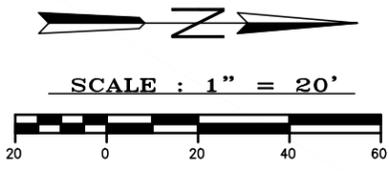
STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

© 2021 ALL RIGHTS RESERVED

CLARIDA & ZIEGLER ENGINEERING CO.
 410 North Court St, P.O. Box 937
 Marion, Illinois 62959
 Phone - (618)993-6411, Fax - (618)993-6750

SUMMARY OF QUANTITIES
 17TH ST. / WILL. CO. PKWY. INTERSECTION
 MARION, IL

Date NOV. 2021 DR. By J.W.F. CK'D By J.V.Z.
 Scale N/A Job No. 20024 Sheet No. 4 of 14



NOTES:

- 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.
- 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.

LEGEND									
⊖	GUY ANCHOR	HH	HAND HOLE	— · · · —	FLOW LINE	⊗	FENCE	⊙	TREE
⊙	LIGHT POLE	⊖	TRAFFIC SIGNAL	— GAS —	GAS LINE	⊖	WATER VALVE	⊙	BUSH
⊖	ELECTRIC TRANSFORMER	⊖	POWER POLE	— UGE —	RIGHT-OF-WAY	⊖	WATER METER	⊙	STUMP
⊖	TELEPHONE PEDESTAL	⊖	SIGN	— UGC —	UNDERGROUND CLEARWAVE	⊖	SURFACE DRAIN	⊙	CHECK POINT
⊖	SIGNAL HAND HOLE	⊖	GRAVITY SEWER	— UGC —	UNDERGROUND ELECTRIC	⊖	INLET	⊙	SURVEY CONTROL POINT
⊖	FIRE HYDRANT	⊖	WATER MAIN	— UGC —	UNDERGROUND FRONTIER	⊖	GAS METER	⊙	MAILBOX
⊖	SANITARY SEWER CLEAN-OUT	⊖	WATER SERVICE LINE	— UGC —	UNDERGROUND FUTIVA	⊖	GAS REGULATOR	⊙	ELECTRIC METER BOX
⊖	SANITARY SEWER MANHOLE	⊖	STORM SEWER	— UGC —	UNDERGROUND MEDIACOM	⊖	GAS VALVE		

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)

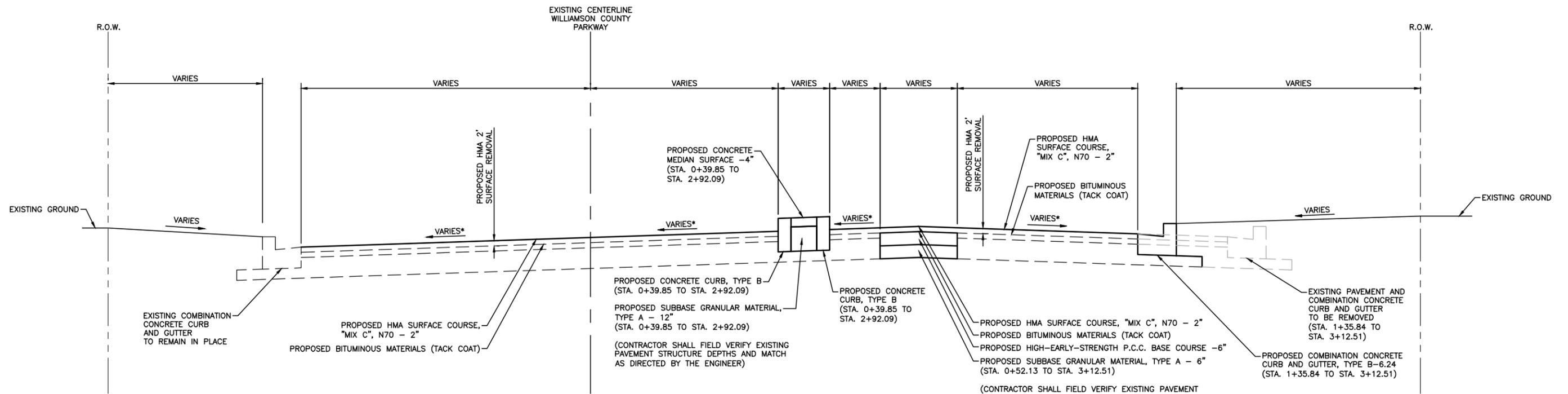
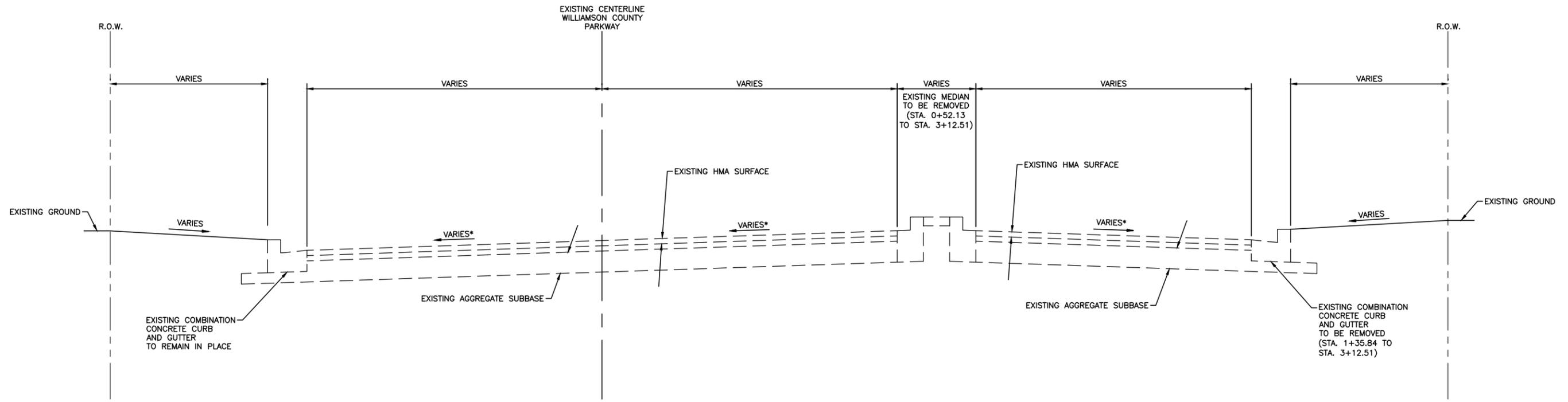
STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 184-004515

REVISIONS	
DATE	NO.

© 2021 ALL RIGHTS RESERVED
CLARIDA & ZIEGLER ENGINEERING CO.
410 North Court St, P.O. Box 937
Marion, Illinois 62959
Phone - (618)993-6411, Fax - (618)993-6750

EXISTING CONDITIONS
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. 5 of 14



(CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT STRUCTURE DEPTHS AND MATCH AS DIRECTED BY THE ENGINEER)

(CONTRACTOR SHALL FIELD VERIFY EXISTING PAVEMENT STRUCTURE DEPTHS AND MATCH AS DIRECTED BY THE ENGINEER)

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.

© 2021 ALL RIGHTS RESERVED

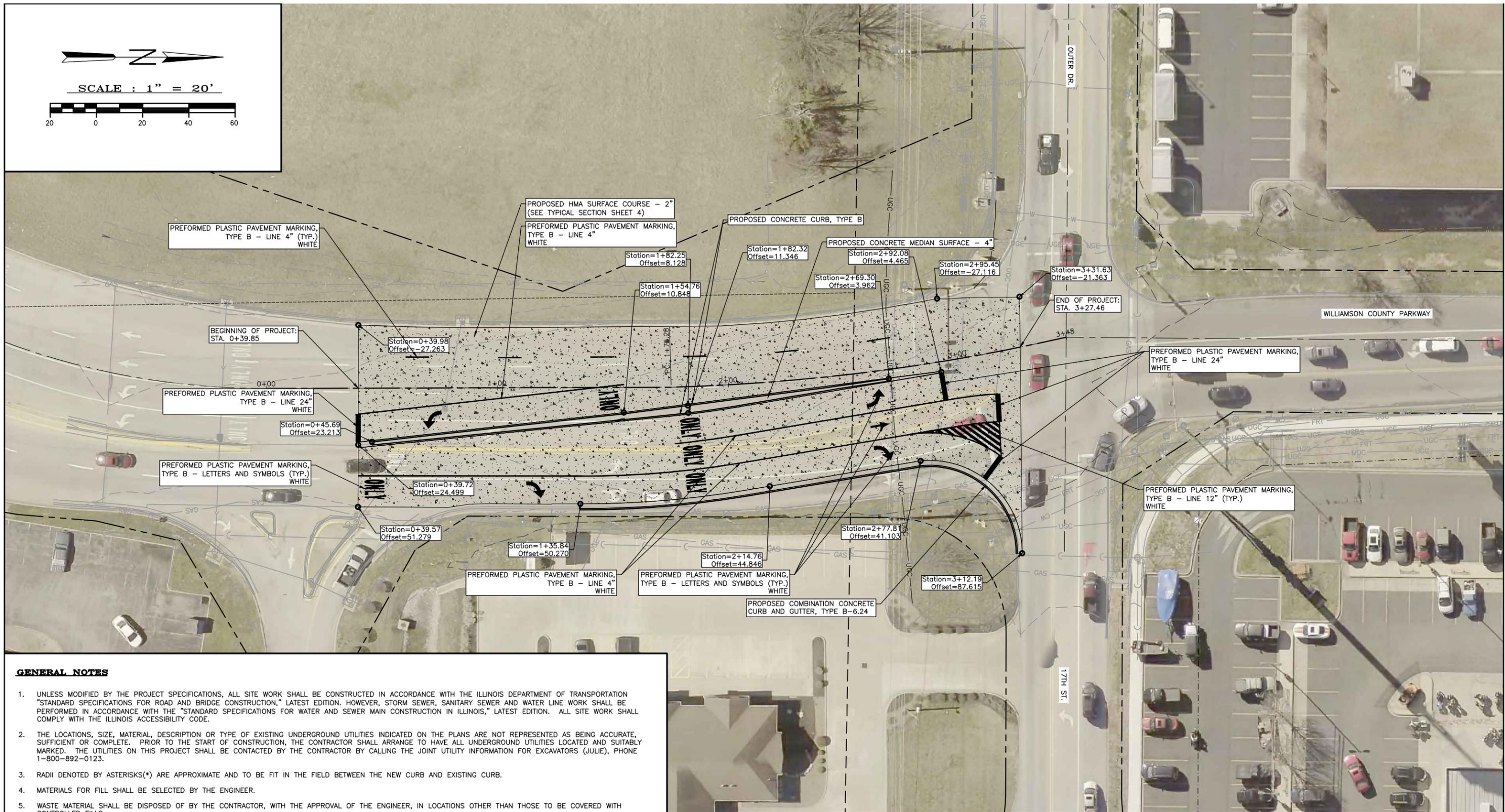
CLARIDA & ZIEGLER ENGINEERING CO.
410 North Court St, P.O. Box 937
Marion, Illinois 62959
Phone - (618)993-6411, Fax - (618)993-6750

TYPICAL SECTIONS
17TH ST. / WILL. CO. PKWY. INTERSECTION
MARION, IL

Date MAY 2021 DR. By G.E.G. CK'D By W.B.Z.
Scale N/A Job No. 20024 Sheet No. 7 of 14



SCALE : 1" = 20'



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

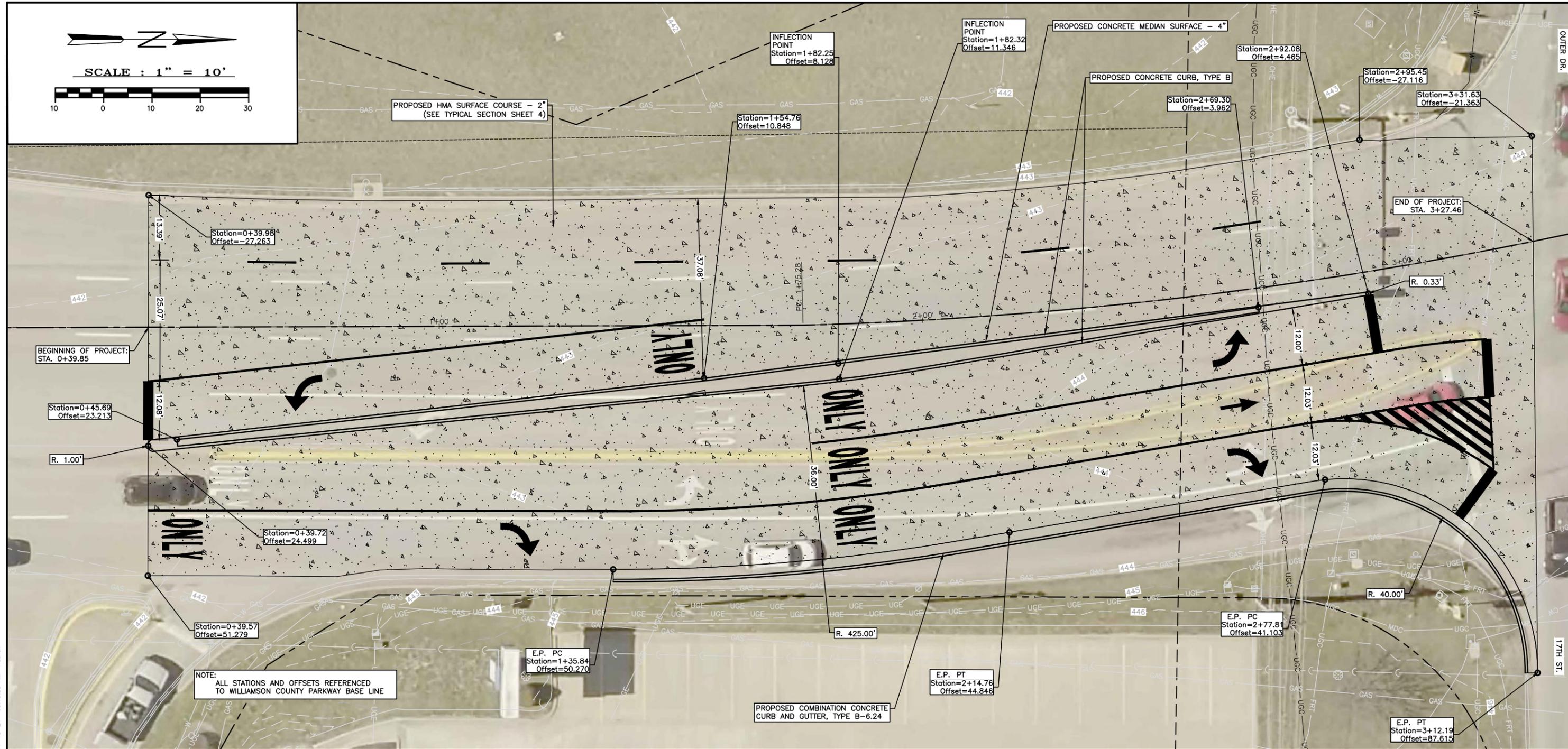
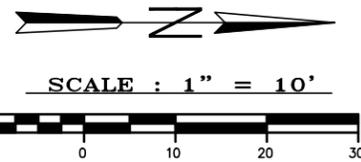
REVISIONS	
DATE	NO.



© 2021 ALL RIGHTS RESERVED
CLARIDA & ZIEGLER
ENGINEERING CO.
 410 North Court St, P.O. Box 937
 Marion, Illinois 62959
 Phone - (618)993-6411, Fax - (618)993-6750

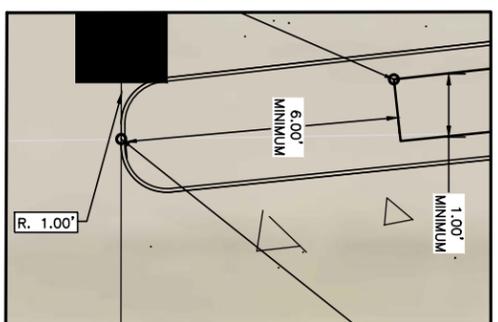
GENERAL LAYOUT
17TH ST. / WILL. CO. PKWY. INTERSECTION
MARION, IL

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



NOTE:
ALL STATIONS AND OFFSETS REFERENCED
TO WILLIAMSON COUNTY PARKWAY BASE LINE

FOR ADDITIONAL MEDIAN DETAILS SEE STANDARD 606301



SOUTH END OF MEDIAN CURB
SCALE: 1" = 2'



NORTH END OF MEDIAN CURB
SCALE: 1" = 2'

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

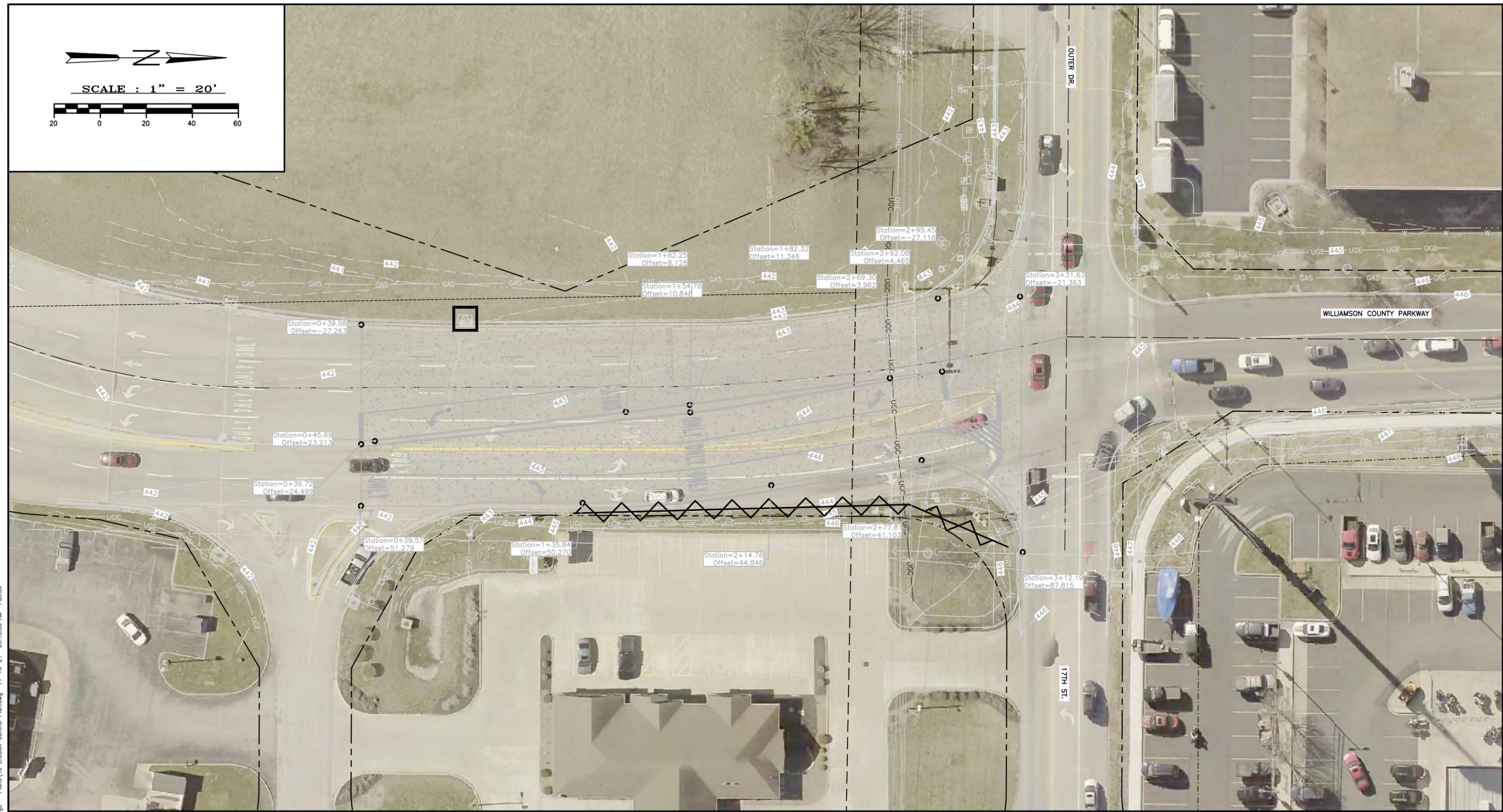
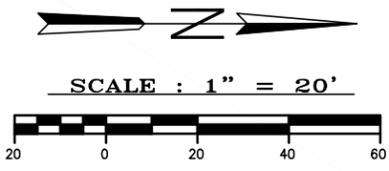
REVISIONS	
DATE	NO.

© 2021 ALL RIGHTS RESERVED
CLARIDA & ZIEGLER ENGINEERING CO.
410 North Court St, P.O. Box 937
Marion, Illinois 62959
Phone - (618)993-6411, Fax - (618)993-6750

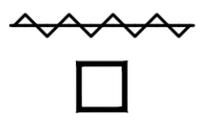
LAYOUT SHEET
17TH ST. / WILL. CO. PKWY. INTERSECTION
MARION, IL

Date: SEPT 2021 DR. By: Z.M.S. CK'D By: W.B.Z.
Scale: 1"=10' Job No. 20024 Sheet No. 9 of 14

C:\Users\Patrick\AppData\Local\Temp\AcPublish_17668\09_Layout_Sheet.dwg 11-10-21 09:15:33 AM Patrick



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

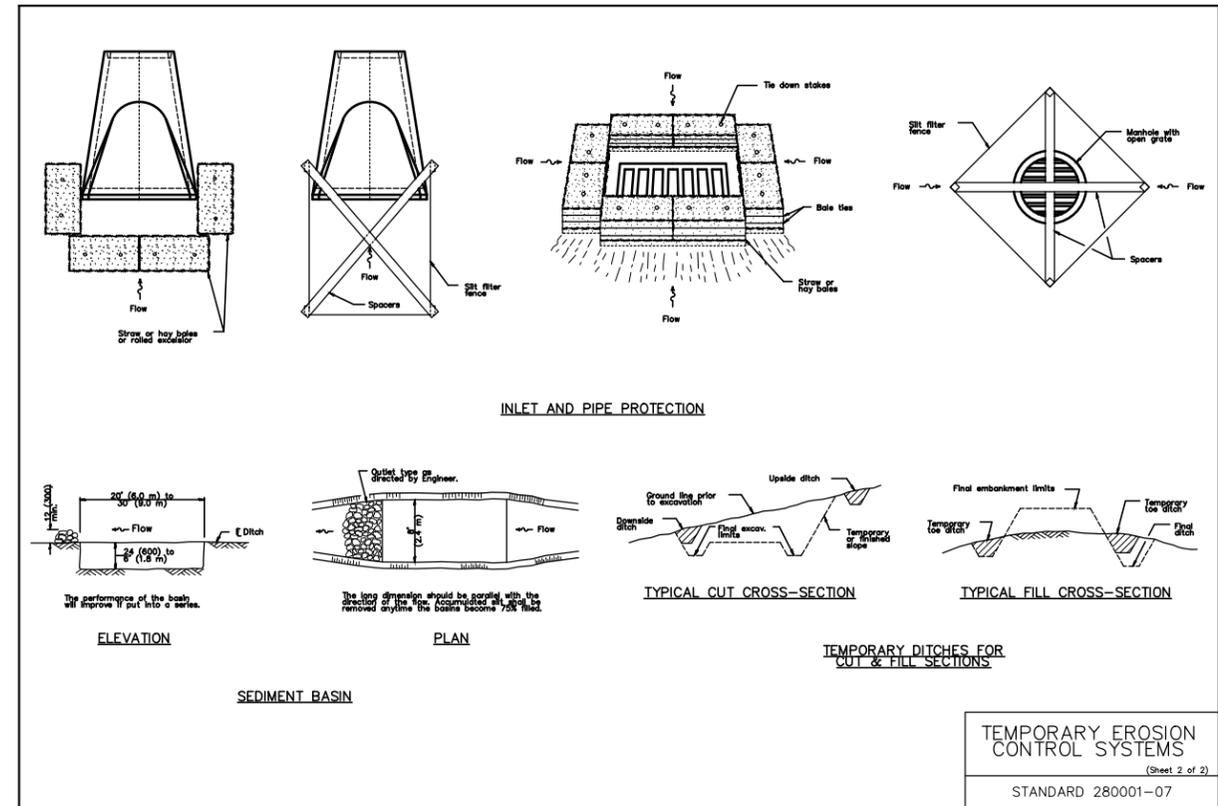
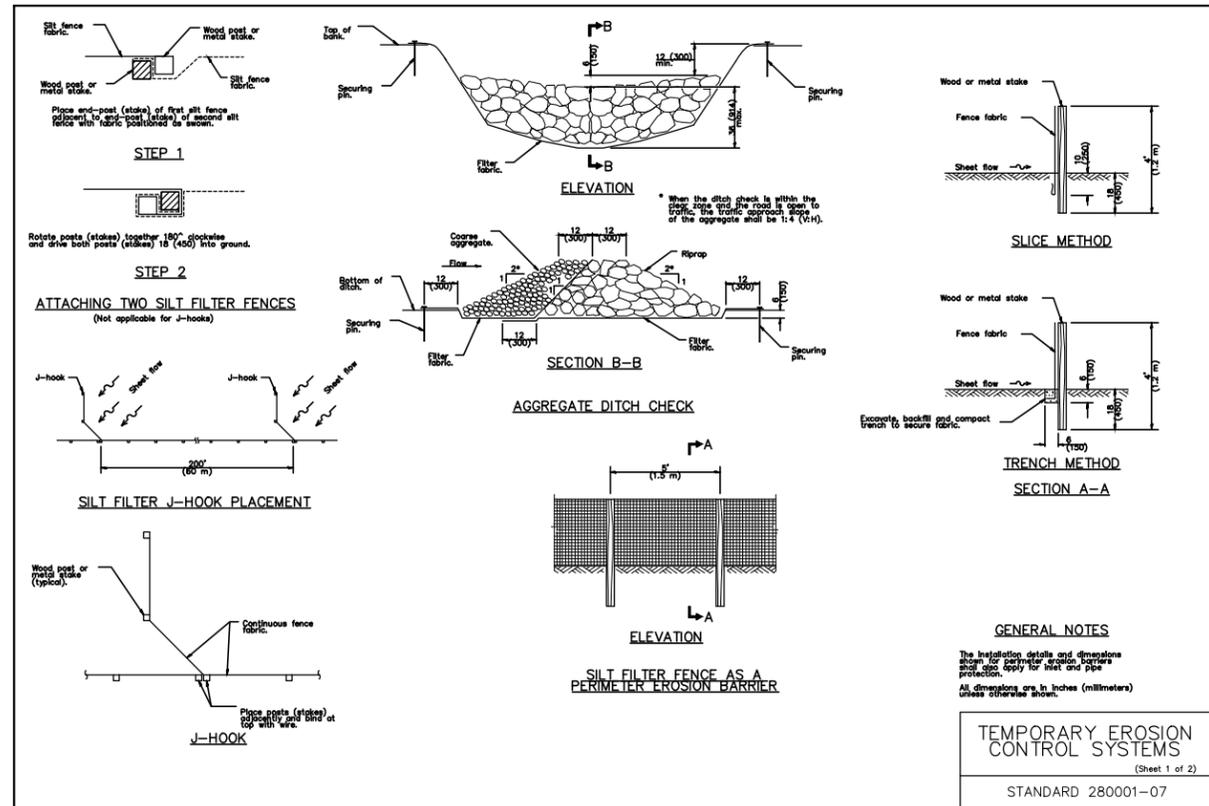
REVISIONS	
DATE	NO.

© 2021 ALL RIGHTS RESERVED
CLARIDA & ZIEGLER ENGINEERING CO.
 410 North Court St, P.O. Box 937
 Marion, Illinois 62959
 Phone - (618)993-6411, Fax - (618)993-6750

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

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



GENERAL EROSION NOTES

- THE STORMWATER POLLUTION PREVENTION PLAN IS COMPRISED OF THIS DRAWING ("SITE MAP"), THE STANDARD DETAILS, THE PLAN NARRATIVE, PLUS THE PERMIT AND ALL SUBSEQUENT REPORTS AND RELATED DOCUMENTS.
- ALL CONTRACTORS AND SUBCONTRACTORS INVOLVED WITH STORM WATER POLLUTION PREVENTION SHALL OBTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN AND THE STATE OF ILLINOIS NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL PERMIT (NPDES PERMIT) AND BECOME FAMILIAR WITH THEIR CONTENTS.
- CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES AS REQUIRED BY THE SWPPP. ADDITIONAL BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED AS DICTATED BY CONDITIONS AT NO ADDITIONAL COST OF OWNER THROUGHOUT ALL PHASES OF CONSTRUCTION.
- BEST MANAGEMENT PRACTICES (BMP'S) AND CONTROLS SHALL CONFORM TO FEDERAL, STATE, OR LOCAL REQUIREMENTS OR MANUAL OF PRACTICE AS APPLICABLE. CONTRACTOR SHALL IMPLEMENT ADDITIONAL CONTROLS AS DIRECTED BY PERMITTING AGENCY OR OWNER.
- SITE MAP MUST CLEARLY DELINEATE ALL STATE WATERS. PERMITS FOR ANY CONSTRUCTION ACTIVITY IMPACTING STATE WATERS MUST BE MAINTAINED ON SITE AT ALL TIMES.
- CONTRACTOR SHALL MINIMIZE CLEARING TO THE MAXIMUM EXTENT PRACTICAL OR AS REQUIRED BY THE GENERAL PERMIT.
- GENERAL CONTRACTOR SHALL DENOTE ON PLAN THE TEMPORARY PARKING AND STORAGE AREA WHICH SHALL ALSO BE USED AS THE EQUIPMENT MAINTENANCE AND CLEANING AREA, EMPLOYEE PARKING AREA, AND AREA FOR LOCATING PORTABLE FACILITIES, OFFICE TRAILERS, AND TOILET FACILITIES.
- ALL WASH WATER (CONCRETE TRUCKS, VEHICLE CLEANING, EQUIPMENT CLEANING, ETC.) SHALL BE DETAINED AND PROPERLY TREATED OR DISPOSED.
- SUFFICIENT OIL AND GREASE ABSORBING MATERIALS AND FLOTATION BOOMS SHALL BE MAINTAINED ON SITE OR READILY AVAILABLE TO CONTAIN AND CLEAN-UP FUEL OR CHEMICAL SPILLS AND LEAKS.
- DUST ON THE SITE SHALL NOT BE CONTROLLED BY THE USE OF MOTOR OILS AND OTHER PETROLEUM BASED OR TOXIC LIQUIDS FOR DUST SUPPRESSION OPERATIONS.
- RUBBISH, TRASH, GARBAGE, LITTER, OR OTHER SUCH MATERIALS SHALL BE DEPOSITED INTO SEALED CONTAINERS, MATERIALS SHALL BE PREVENTED FROM LEAVING THE PREMISES THROUGH THE ACTION OF WIND OR STORMWATER DISCHARGE INTO DRAINAGE DITCHES OR WATERS OF THE STATE.
- ALL STORM WATER POLLUTION PREVENTION MEASURES PRESENTED ON THIS PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN, SHALL BE INITIATED AS SOON AS PRACTICABLE.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS STOPPED FOR AT LEAST 21 DAYS, SHALL BE TEMPORARILY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY HAS PERMANENTLY STOPPED SHALL BE PERMANENTLY SEEDED. THESE AREAS SHALL BE SEEDED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY OCCURRING IN THESE AREAS. REFER TO THE GRADING PLAN AND/OR LANDSCAPE PLAN.
- IF THE ACTION OF VEHICLES TRAVELING OVER THE GRAVEL CONSTRUCTION ENTRANCES IS NOT SUFFICIENT TO REMOVE THE MAJORITY OF DIRT OR MUD, THEN THE TIRES MUST BE WASHED BEFORE THE VEHICLES ENTER A PUBLIC ROAD. IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF THE SITE.
- ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.
- ON-SITE & OFFSITE SOIL STOCKPILE AND BORROW AREAS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION THROUGH IMPLEMENTATION OF BEST MANAGEMENT PRACTICES. STOCKPILE AND BORROW AREA LOCATIONS SHALL BE NOTED ON THE SITE MAP AND PERMITTED IN ACCORDANCE WITH GENERAL PERMIT REQUIREMENTS.
- SLOPES SHALL BE LEFT IN A ROUGHENED CONDITION DURING THE GRADING PHASE TO REDUCE RUNOFF VELOCITIES AND EROSION.
- DUE TO THE GRADE CHANGES DURING THE DEVELOPMENT OF THE PROJECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EROSION CONTROL MEASURES (SEDIMENT FENCES, ETC.) TO PREVENT EROSION.
- ALL CONSTRUCTION SHALL BE STABILIZED AT THE END OF EACH WORKING DAY, THIS INCLUDES BACKFILLING OF TRENCHES FOR UTILITY CONSTRUCTION AND PLACEMENT OF GRAVEL OR BITUMINOUS PAVING FOR ROAD CONSTRUCTION.

MAINTENANCE

- ALL MEASURES STATED ON THIS EROSION AND SEDIMENT CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:
- ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED.
 - THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND.
 - THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND.

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.

© 2021 ALL RIGHTS RESERVED

CLARIDA & ZIEGLER ENGINEERING CO.
410 North Court St, P.O. Box 937
Marion, Illinois 62959
Phone - (618)993-6411, Fax - (618)993-6750

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

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

TRAFFIC SIGNAL PLAN LEGEND

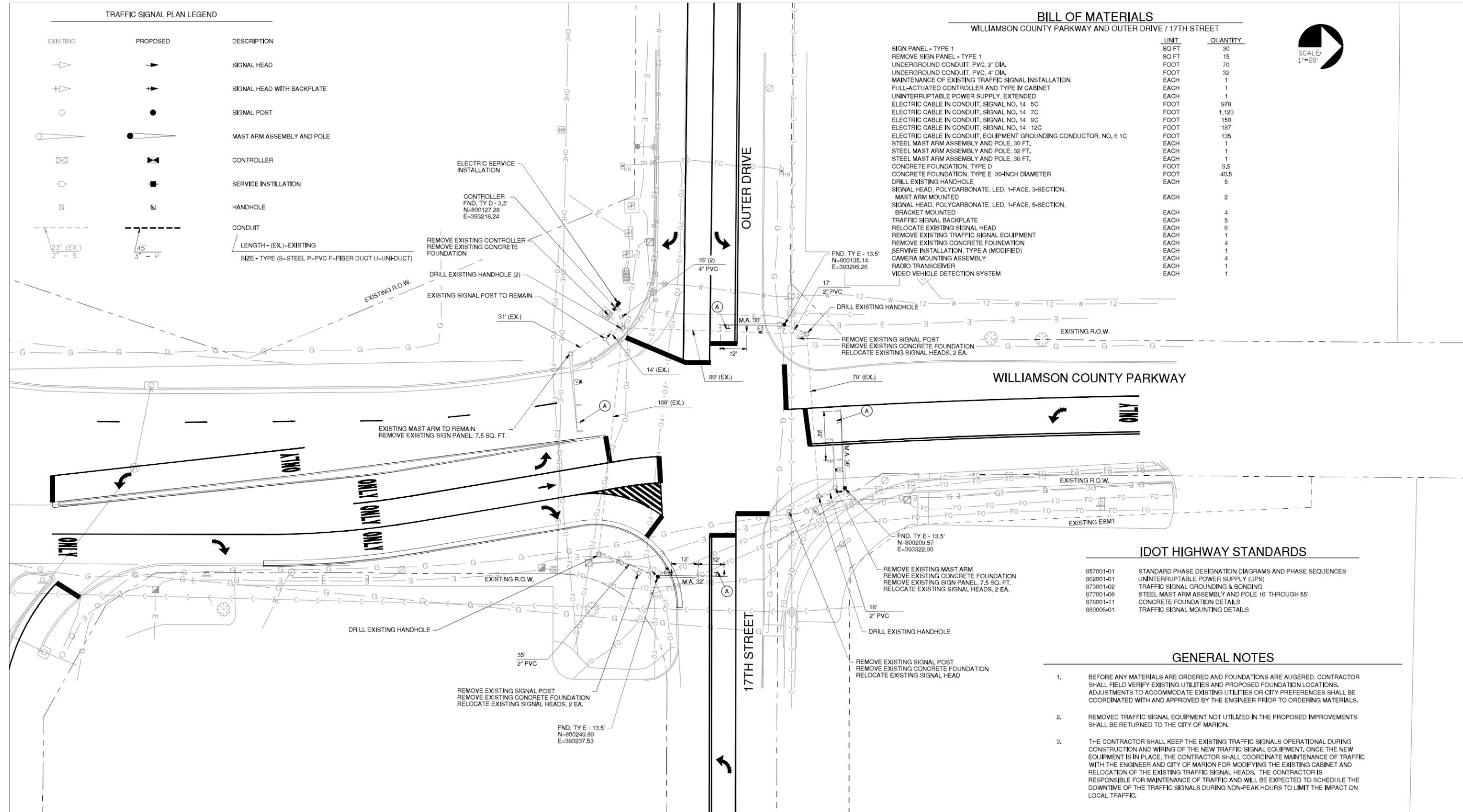
EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		SIGNAL POST
		MAST ARM ASSEMBLY AND POLE
		CONTROLLER
		SERVICE INSTALLATION
		HANDHOLE
		CONDUIT

LENGTH - (EX.)=EXISTING
 SIZE - TYPE (S=STEEL P=PVC F=FIBER DUCT U=UNIDUCT)

BILL OF MATERIALS

WILLIAMSON COUNTY PARKWAY AND OUTER DRIVE / 17TH STREET

UNIT	QUANTITY
SIGN PANEL - TYPE 1	30
REMOVE SIGN PANEL - TYPE 1	15
UNDERGROUND CONDUIT, PVC, 2" DIA.	70
UNDERGROUND CONDUIT, PVC, 4" DIA.	32
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	978
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	1,123
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 9C	150
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 12C	187
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	135
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	1
CONCRETE FOUNDATION, TYPE D	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	40.5
DRILL EXISTING HANDHOLE	5
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	4
TRAFFIC SIGNAL BACKPLATE	5
RELOCATE EXISTING SIGNAL HEAD	6
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1
REMOVE EXISTING CONCRETE FOUNDATION	4
SERVICE INSTALLATION, TYPE A (MODIFIED)	1
CAMERA MOUNTING ASSEMBLY	4
RADIO TRANSCEIVER	1
VIDEO VEHICLE DETECTION SYSTEM	1



IDOT HIGHWAY STANDARDS

857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16" THROUGH 55"
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

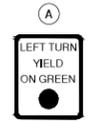
GENERAL NOTES

- BEFORE ANY MATERIALS ARE ORDERED AND FOUNDATIONS ARE AUGERED, CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES AND PROPOSED FOUNDATION LOCATIONS. ADJUSTMENTS TO ACCOMMODATE EXISTING UTILITIES OR CITY PREFERENCES SHALL BE COORDINATED WITH AND APPROVED BY THE ENGINEER PRIOR TO ORDERING MATERIALS.
- REMOVED TRAFFIC SIGNAL EQUIPMENT NOT UTILIZED IN THE PROPOSED IMPROVEMENTS SHALL BE RETURNED TO THE CITY OF MARION.
- THE CONTRACTOR SHALL KEEP THE EXISTING TRAFFIC SIGNALS OPERATIONAL DURING CONSTRUCTION AND WIRING OF THE NEW TRAFFIC SIGNAL EQUIPMENT. ONCE THE NEW EQUIPMENT IS IN PLACE, THE CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC WITH THE ENGINEER AND CITY OF MARION FOR MODIFYING THE EXISTING CABINET AND RELOCATION OF THE EXISTING TRAFFIC SIGNAL HEADS. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF TRAFFIC AND WILL BE EXPECTED TO SCHEDULE THE DOWNTIME OF THE TRAFFIC SIGNALS DURING NON-PEAK HOURS TO LIMIT THE IMPACT ON LOCAL TRAFFIC.

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDES:

MAST ARM ASSEMBLY & POLE	1	EACH
TRAFFIC SIGNAL POST	3	EACH
CONTROLLER CABINET	1	EACH
SERVICE INSTALLATION	1	EACH
ELECTRIC CABLE IN CONDUIT		
* CONDUIT		

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



R10-12
30"X36"
SIGN PANEL - TYPE 1
4 REQUIRED



Brian M. Bond
BRIAN M. BOND

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

REVISIONS	
DATE	NO.

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

CMT
Crawford, Murphy & Tilly

TRAFFIC SIGNAL PLAN
WILLIAMSON COUNTY PARKWAY IMPROVEMENTS
CITY OF MARION, ILLINOIS

Date MAY 2021 DR. By BMB CK'D By BMB
 Scale 1"=20' Job No. 20024 Sheet No. 12 of 14

