

06-16-2023 LETTING ITEM 202

JACKSON COUNTY HIGHWAY DEPARTMENT

F.A.S. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
919	19-00181-00-SP	JACKSON	37	1
CONTRACT NO. 99683		REVISED	HMG JOB NO. 8121	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

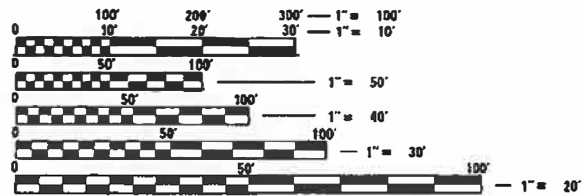
PROPOSED ROADWAY PLANS

F.A.S. ROUTE 919 & CH 12
SECTION 19-00181-00-SP
FEDERAL AID PROJECT BULQ(095)
INTERSECTION IMPROVEMENTS
JACKSON COUNTY

DESIGN INFORMATION

GIANT CITY ROAD
ADT: 7000 (2018) ACTUAL
11,038 (2041) ESTIMATED
SU+MU=3.43%

EAST PLEASANT HILL ROAD
ADT: 4650 (2018) ACTUAL
7333 (2041) ESTIMATED
SU+MU=3.87%

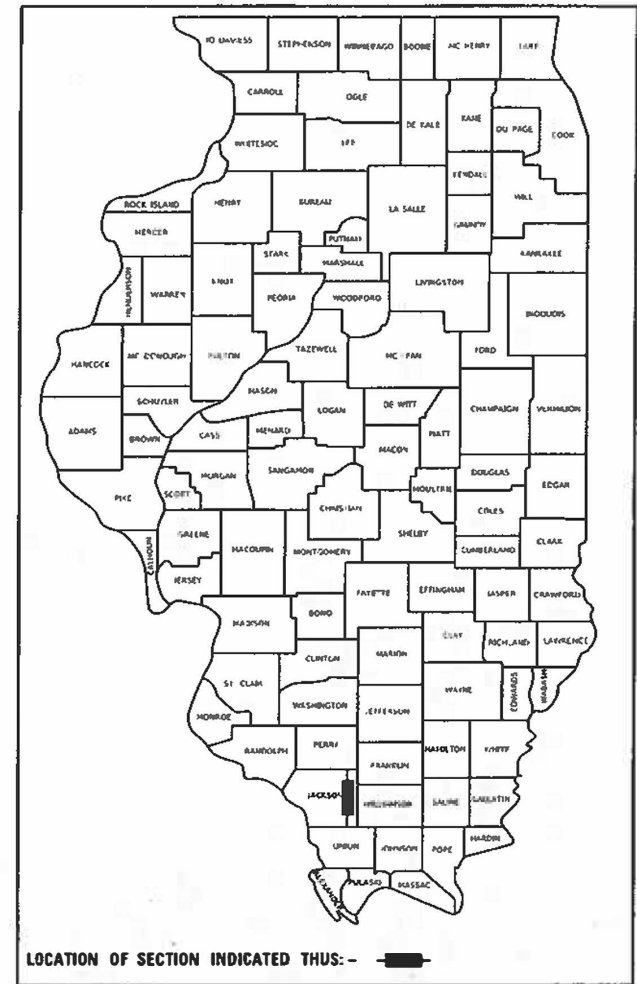
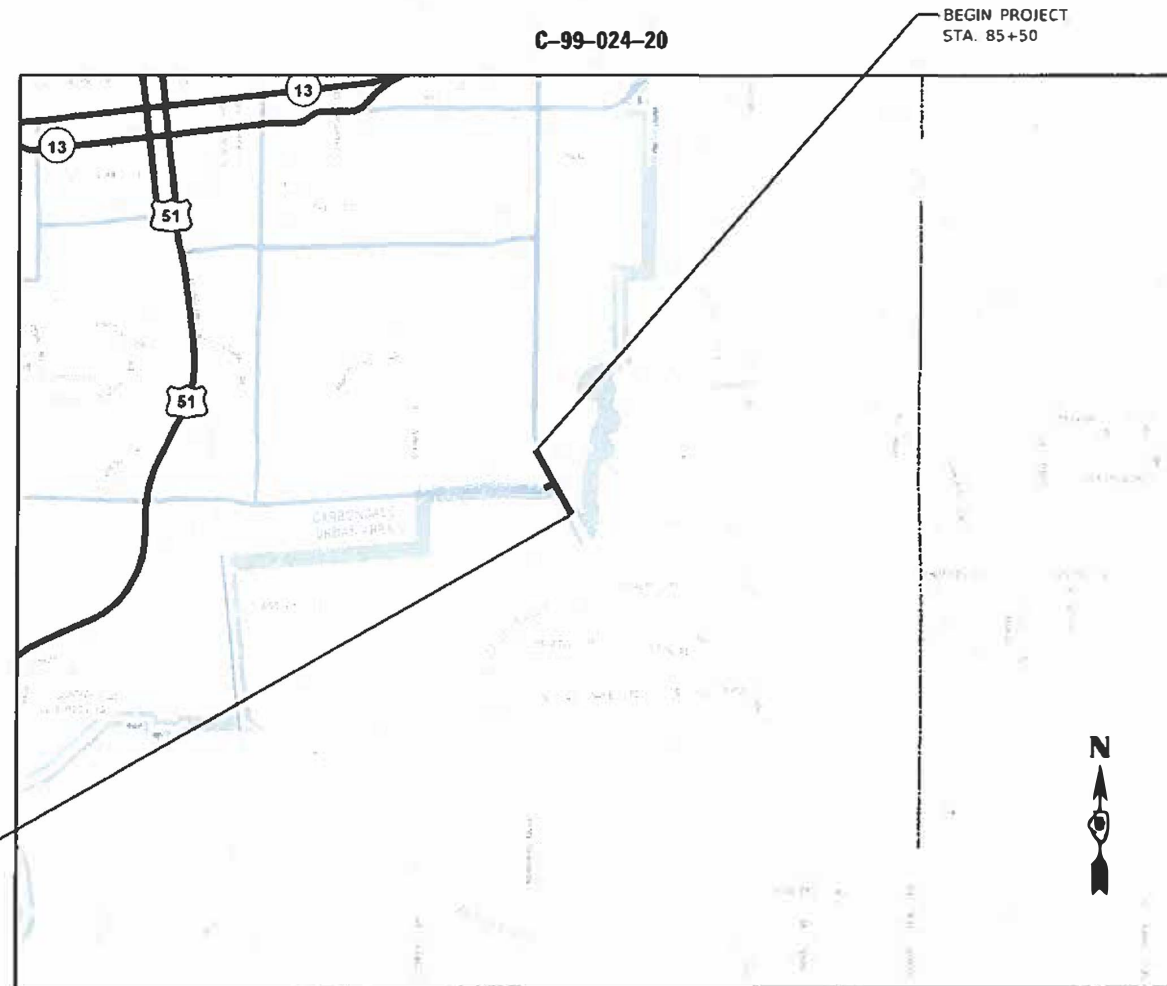


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

HMG HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
Engineers • Surveyors (618) 526-9611
IL PROF. DESIGN FIRM NO. 184.000899
EXPIRES 04/30/2023

CONTRACT NO. 99683



AGENCY RESPONSIBLE FOR LETTING	
APPROVED	<i>[Signature]</i> 10/4/20 22
JACKSON COUNTY ENGINEER	
PASSED	4/12 20 23
DISTRICT 5 ENGINEER OF LOCAL ROADS & STREETS	
RELEASED FOR BID BASED ON LIMITED REVIEW	4/12 20 23
REGION 5 ENGINEER	



[Signature] 10-4-2022
MARK A. O'BRIEN, P.E.
ILLINOIS REGISTERED ENGINEER NO. 062-066496
REGISTRATION EXPIRES NOV. 30, 2023

R.1E.
NOT TO SCALE
GROSS LENGTH = 1000 FT. = 0.189 MILES
NET LENGTH = 1000 FT. = 0.189 MILES

INDEX OF SHEETS

1	COVER
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HIGHWAY STANDARDS

000001-08	720006-04
001001-02	728001-01
001006	729001-01
280001-07	731001-01
482001-02	780001-05
606001-08	781001-04
606301-04	805001-01
701001-02	814001-03
701006-05	814006-03
701201-05	862001-01
701301-04	873001-02
701326-04	877001-08
701602-10	878001-11
701901-08	880006-01
720001-01	

GENERAL NOTES

- IF THE CONTRACTOR, FOR HIS CONSTRUCTION ACTIVITY, REMOVES TREES WITHIN THE RIGHT-OF-WAY LIMITS WHICH ARE NOT DESIGNATED ON THE PLANS FOR REMOVAL, I.E. IN ORDER TO GAIN ACCESS TO THE PROJECT SITE; IT WILL BE HIS RESPONSIBILITY TO REPLACE THE TREES AT A 1:1 RATIO. THE TREES WILL BE REPLACED WITH A 1 GALLON NATIVE ILLINOIS TREE SPECIES AND SHALL BE APPROVED BY THE ENGINEER. THE TREE REMOVAL AND TREE REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	CONTACT	PHONE
AMEREN CIPS - (SOUTH)	NATHAN HILL	618-301-5327
CLEARWAVE COMMUNICATIONS	ROTH CLAYTON	-
CITY OF CARBONDALE	TONY HARRISON	618-457-3240
EGYPTIAN ELECTRIC COOPERATIVE	BRAD AUSTIN	618-322-8830
FRONTIER COMMUNICATIONS	KALIN HINSHAW	815-895-1515
MEDIACOM (JACKSON COUNTY)	CHRIS MCMURTRY	618-993-5216
SOUTH HIGHWAY WATER DISTRICT	CARL SISK	618-529-5313

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *.
NON MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

MODEL: Default
FILE NAME: 1038121_Jackson_County_Giant_City_8081210_Design_CAD_Sheets8121-1-1.dwg
IL PROF. DESIGN FIRM NO. 184.000899

HMG HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
Engineers + Surveyors (618) 526-9611

USER NAME = mobrien	DESIGNED -	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/3/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

**GENERAL NOTES, INDEX OF SHEETS,
HIGHWAY STANDARDS & COMMITMENTS**

SCALE: N.T.S. SHEET 1 OF 3 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	2
ILLINOIS FED. AID PROJECT		CONTRACT NO. 99683 BULQ(095)	

3. COORDINATION WITH THE JACKSON COUNTY ENGINEER IS REQUIRED BEFORE ANY TRENCHING OR BORING SHALL BE DONE TO LOCATE HIGHWAY LIGHTING SYSTEM FACILITIES AND TO COORDNATE OTHER FIELD ACTIVITIES. CONTACT MITCH BURDICK AT 618-684-4141. EXISTING HIGHWAY LIGHTING BURIED ELECTRIC LINES SHOWN ON THE PLANS SHALL BE CONSIDERED APPROXIMATE AND WILL REQUIRE LOCATING PRIOR TO ANY SUB-SURFACE WORK.
4. PRIOR TO THE REMOVAL OF THE EXISTING HOT-MIX ASPHALT SHOULDER, THE PAVEMENT SHALL BE SAW CUT TO ALLOW FOR A CLEAN EDGE AFTER THE REMOVAL OF THE EXISTING SHOULDER. THIS WORK SHALL BE INCIDENTAL TO THE COST OF PAVED SHOULDER REMOVAL.
5. PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB AND MEDIAN SURFACE AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.18
6. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER, JACKSON COUNTY HIGHWAY DEPARTMENT, THE CITY OF CARBONDALE & THE IDOT DISTRICT 9 TRAFFIC OPERATIONS ENGINEER 72 HOURS PRIOR TO INITIAL START-UP OF THE NEWLY INSTALLED TRAFFIC SIGNALS.
7. FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THEBASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT BASE COURSE	112 LB/SQ YD/IN
HOT-MIX ASPHALT SURFACE COURSE	112 LB/SQ YD/IN
AGGREGATE (SURFACE, BASE & BACKFILL)	2.05 TON/CU YD

BITUMINOUS MATERIALS:

TACK/PRIME COAT FOR BIT. CONCRETE	
-ON PAVEMENT	0.05 LB/ SQ FT
-ON AGGREGATE	0.25 LB/SQ FT
-ON COLD MILLED SURFACE	0.05 LB/SQ FT
-FOG COAT ON NEW BINDER	0.025 LB/SQ FT

RIP RAP	1.5 TON/CU YD
SEEDING, CLASS 2A 200 LB/ACRE	
TEMP. EROSION CONTROL SEEDING	100 LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
AGRICULTURAL GROUND LIMESTONE	2 TON/ACRE

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 9360 HOLY CROSS LANE
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED +
PLOT DATE = 10/3/2022	DATE -	REVISED +

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

**GENERAL NOTES, INDEX OF SHEETS,
HIGHWAY STANDARDS & COMMITMENTS**

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	3
		CONTRACT NO. 99683	
		ILLINOIS FED. AID PROJECT BULO(095)	

8. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE REQUIREMENTS

ROUTE	F.A.S. 919 (C.H. 12)
SECTION	19-00181-00-SP
COUNTY	JACKSON

DESCRIPTION: PAVEMENT WIDENING - OFFSET RIGHT TURN LANE ON SOUTH BOUND GIANT CITY RD. TO E. PLEASANT HILL RD.

LOCATIONS	HOT-MIX ASPHALT FULL DEPTH	
MIXTURE USE	SURFACE COURSE, MIX D, N 70	BINDER COURSE, N70, IL-19.0
THICKNESS	2"	8" (4" MAX LIFT)
AC/PG	PG 64-22	PG 64-22
ABR % (MAX)	ARTICLE 1031.06(c)(1)	ARTICLE 1031.06(c)(1)
DESIGN AIR VOIDS	4.0%, 70 GYRATION DESIGN	4.0%, 70 GYRATION DESIGN
MIX COMPOSITION	IL-9.5mm	IL-19.0mm
FRICTION AGG	D SURFACE	NONE
MIXTURE WEIGHT	112 LBS/SQ YD/IN	112 LBS/SQ YD/IN
QUALITY MGMT PROG.	QC/QA	QC/QA

LOCATIONS	HOT-MIX ASPHALT SHOULDERS	
	TOP LIFT	LOWER LIFT
MIXTURE USE	SURFACE COURSE, N 30, IL-19.5L	BINDER COURSE, N30, IL-19.0
THICKNESS	2"	8" (4" MAX LIFT)
AC/PG	PG 64-22	PG 64-22
ABR % (MAX)	ARTICLE 1031.06(c)(1)	ARTICLE 1031.06(c)(1)
DESIGN AIR VOIDS	4.0%, 30 GYRATION DESIGN	4.0%, 30 GYRATION DESIGN
MIX COMPOSITION	IL-9.5L	IL-19.0L
FRICTION AGG	NONE	NONE
MIXTURE WEIGHT	112 LBS/SQ YD/IN	112 LBS/SQ YD/IN
QUALITY MGMT PROG.	QC/QA	QC/QA

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				SAFETY
				0021 RURAL
20200100	EARTH EXCAVATION	CU YD	222	222
20400800	FURNISHED EXCAVATION	CU YD	791	791
25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	44	44
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	44	44
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	44	44
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1	1
25100630	EROSION CONTROL BLANKET	SQ YD	1875	1875
28000400	PERIMETER EROSION BARRIER	FOOT	747	747
31100500	SUBBASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	643	643
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1446	1446
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	145	145
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	643	643
42101300	PROTECTIVE COAT	SQ YD	56	56

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				SAFETY
				0021 RURAL
44000100	PAVEMENT REMOVAL	SQ YD	112	112
44004250	PAVED SHOULDER REMOVAL	SQ YD	262	262
44213200	SAW CUTS	FOOT	894	894
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	172	172
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	322.1	322.1
60608700	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06 (ABUTTING EXISTING PAVEMENT)	FOOT	30.5	30.5
60610500	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	41	41
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	263.5	263.5
67100100	MOBILIZATION	L SUM	1	1
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1222	1222
70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	3197	3197
70306210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE III TAPE	FOOT	78	78
* 72000100	SIGN PANEL - TYPE 1	SQ FT	26	26
* 72000300	SIGN PANEL - TYPE 3	SQ FT	100	100

* SPECIALTY ITEMS

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Engineers + Surveyors (618) 526-9611
IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien	DESIGNED -	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/11/2023	CHECKED -	REVISED -
	DATE -	REVISED -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

SUMMARY OF QUANTITIES			
SCALE: N.T.S.	SHEET 1	OF 3 SHEETS	STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	5
ILLINOIS FED. AID PROJECT		CONTRACT NO. 99683 BULQ(095)	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				SAFETY 0021 RURAL
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	9	9
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	12	12
* 73000100	WOOD SIGN SUPPORT	FOOT	17	17
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1
* 78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	213	213
* 78006110	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5423	5423
* 78006150	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	461	461
* 78006180	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	78	78
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	213	213
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	5423	5423
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	461	461
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	78	78
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	55	55
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1856	1856

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				SAFETY 0021 RURAL
* 80300100	LOCATING UNDERGROUND CABLE	FCOT	210	210
* 80500200	SERVICE INSTALLATION, TYPE B	EACH	1	1
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FCOT	118	118
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FCOT	157	157
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FCOT	1190	1190
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FCOT	296	296
* 81400100	HANDHOLE	EACH	6	6
* 81400300	DOUBLE HANDHOLE	EACH	1	1
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	1
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FCOT	1063	1063
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FCOT	2560	2560
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FCOT	30	30
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FCOT	645	645
* 87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	4	4

*SPECIALTY ITEMS

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HMG HMG ENGINEERS, INC.
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BREESE, ILLINOIS 62230
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IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien
DESIGNED -
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PLOT DATE = 4/11/2023

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	6
ILLINOIS FED. AID PROJECT		CONTRACT NO. 99683	
		BULQ(095)	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				SAFETY 0021	RURAL
* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	1	
* 87700265	STEEL MAST ARM ASSEMBLY AND POLE, 45 FT.	EACH	2	2	
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12	12	
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3	3	
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39	39	
* 88000105	FLASHING BEACON INSTALLATION	EACH	1	1	
* 88030012	SIGNAL HEAD, LED, 1-FACE, 1-SECTION, BRACKET MOUNTED	EACH	1	1	
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5	5	
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	8	8	
* 88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	13	13	
* X0325922	CELLULAR MODEM	EACH	1	1	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
* X8570231	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1	1	
* X8710103	ETHERNET SWITCH	EACH	1	1	
* Z0033062	RADIO TRANSCEIVER	EACH	1	1	
* Z0033072	VIDEO VEHICLE DETECTION SYSTEM	EACH	1	1	

* SPECIALTY ITEMS

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	DATE -	REVISED -

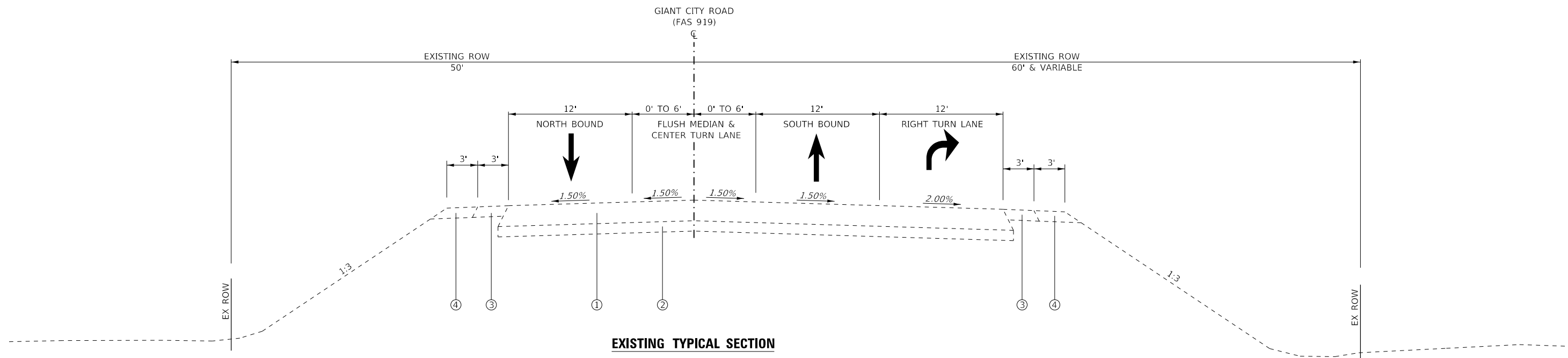
DESIGNED -	REVISED -
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**JACKSON COUNTY
HIGHWAY DEPARTMENT**

SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

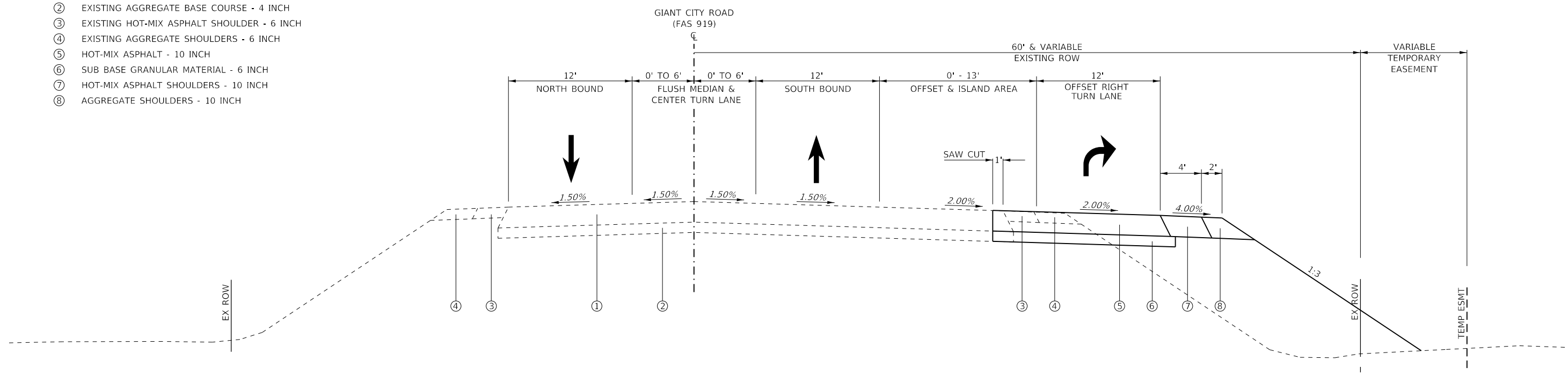
PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	7
		CONTRACT NO. 99683	
		ILLINOIS FED. AID PROJECT BULQ(095)	



EXISTING TYPICAL SECTION

LEGEND

- ① EXISTING HOT-MIX ASPHALT - 10 INCH
- ② EXISTING AGGREGATE BASE COURSE - 4 INCH
- ③ EXISTING HOT-MIX ASPHALT SHOULDER - 6 INCH
- ④ EXISTING AGGREGATE SHOULDERS - 6 INCH
- ⑤ HOT-MIX ASPHALT - 10 INCH
- ⑥ SUB BASE GRANULAR MATERIAL - 6 INCH
- ⑦ HOT-MIX ASPHALT SHOULDERS - 10 INCH
- ⑧ AGGREGATE SHOULDERS - 10 INCH



PROPOSED TYPICAL SECTION

MODEL: Default; FILE NAME: 19081211_Jackson_County_Giant_City_8081211_0_Design_CAD_Sheets8121-1-hcttypical.dgn

HMG HMG ENGINEERS, INC.
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USER NAME =	mobrien
PLOT SCALE =	40,000' / in.
PLOT DATE =	10/3/2022

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

**TYPICAL SECTIONS
GIANT CITY ROAD**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
919	19-00181-00-5P	JACKSON	37	8
CONTRACT NO. 99683			ILLINOIS FED. AID PROJECT BULO(095)	

EARTHWORK SCHEDULE

	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE (+) WASTE OR (-) SHORTAGE
	CU YD	CU YD	CU YD	CU YD
GIANT CITY ROAD				
STA. 87+50 TO STA. 94+50	221.9	166.4	957.4	-791.0
TOTALS	222	166	957	-791

EROSION CONTROL & SEEDING SCHEDULE

	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER
	ACRE	POUND	POUND	POUND	TON	SQ YD	FOOT
GIANT CITY ROAD							
STA 87+75.01 @ 45' RT TO STA 94+25.78 @ 202.9' RT							747.0
STA 87+79.15 RT TO STA 94+34.40 RT	0.39	34.9	34.9	34.9	0.8	1,874.9	
STA 94+00.00 LT TO STA 96+06.00 LT	0.05	4.5	4.5	4.5	0.1		
STA 94+89.00 RT TO STA 96+20.00 RT	0.05	4.2	4.2	4.2	0.1		
TOTALS	0.50	44	44	44	1	1,875	747

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 BREESE, ILLINOIS 62230
 Engineers + Surveyors
 (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME	= mobrien
PLOT SCALE	= 40,000' / in.
PLOT DATE	= 10/3/2022

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

SCHEDULES OF QUANTITIES

SCALE: N.T.S.	SHEET 1 OF 3 SHEETS	STA.	TO STA.
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PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	9
		CONTRACT NO. 99683	
		ILLINOIS FED. AID PROJECT BULQ(095)	

PAVEMENT SCHEDULE

LOCATION	SUBBASE GRANULAR MATERIAL, TYPE A	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	PROTECTIVE COAT	PAVED SHOULDER REMOVAL	PAVEMENT REMOVAL	SAW CUTS	AGGREGATE SHOULDERS, TYPE B 10"	HOT-MIX ASPHALT SHOULDERS, 10"	COMBIN-ATION CONCRETE CURB & GUTTER TY M6.06 ABUTTING EXISTING PAVEMENT	COMBIN-ATION CONCRETE CURB & GUTTER TY M6.24 ABUTTING EXISTING PAVEMENT	CONCRETE MEDIAN SURFACE, 4 INCH
	SQ YD	LBS	LBS	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	SQ YD	SQ YD	FOOT	FOOT	SQ FT
GIANT CITY ROAD													
STA 87+79.15 TO STA 93+88.54									136				
STA 87+79.15 TO STA 94+23.51						214.8							
STA 87+79.15 TO STA 94+26.69								658.0					
STA 88+17.45 TO STA 94+38.64	642.6	1,446.0	145.0	642.6									
STA 88+17.45 TO STA 93+98.55										259.5			
STA 93+94.63 TO STA 94+38.56					56.0		112.0	95.0					
STA 94+03.38 TO STA 94+30.10											30.5		
STA 94+04.11 TO STA 94+31.12												27.0	263.5
EAST PLEASANT HILL ROAD													
STA 82+59.26 TO STA 83+97.17								141.0					
STA 82+59.14 TO STA 84+00.00						47.0			36				
STA 82+75.56 TO STA 84+00.00										62.6			
STA 84+12.38 TO STA 84+26.06												13.7	
TOTALS	643	1,446	145	643	56	262	112	894	172	322	31	41	264

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HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 10/3/2022

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

SCHEDULES OF QUANTITIES
 SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

PROJECT SECTION 19-00181-00-SP COUNTY JACKSON TOTAL SHEETS 37 SHEET NO. 10 CONTRACT NO. 99683 ILLINOIS FED. AID PROJECT BULQ(095)

PAVEMENT MARKING SCHEDULE OF QUANTITIES

LOCATION	PREFORMED THERMOPLASTIC PAVEMENT MARKING, LETTERS AND SYMBOLS SQ FT	PREFORMED THERMOPLASTIC PAVEMENT MARKING, - LINE 4"				PREFORMED THERMOPLASTIC PAVEMENT MARKINGS - LINE		PREFORMED THERMOPLASTIC PAVEMENT MARKINGS - LINE 24" WHITE FOOT	GROOVING FOR RECESSED PAVEMENT MARKINGS, LETTERS AND SYMBOLS SQ FT	GROOVING FOR RECESSED PAVEMENT MARKINGS, 5" FOOT	GROOVING FOR RECESSED PAVEMENT MARKINGS, 13" FOOT	GROOVING FOR RECESSED PAVEMENT MARKINGS, 25" FOOT	RAISED REFLECTIVE PAVEMENT MARKER	
		SOLID YELLOW W	9'-3' SKIP DASH WHITE	30'-10' SKIP DASH WHITE	SOLID WHITE	SOLID YELLOW	SOLID WHITE						CRYSTA L	AMBER
GIANT CITY ROAD														
STA 87+19 TO STA 91+50	570.3	92.7		621.4					1,284.4					12
STA 89+08 TO 91+50 @ 17' RT		60.5							60.5					
STA 91+50 LT TO STA 96+08 LT				458.0					458.0					
STA 91+50.00 TO STA 94+65.98	70							70						
STA 91+50 TO STA 94+35 (MEDIAN)	1,140.0				85.8				1,140.0	85.8				16
STA 91+50 RT TO STA 94+45.17 RT (RIGHT TURN LANE)				601.1		218.1			601.1	218.1			14	
STA 91+60 RT TO STA 94+47.52 (BIKE LANE)				575.0					575.0					
STA 94+14 RT								12.0				12.0		
STA 94+16 RT								18.0				18.0		
STA 94+65.98 TO STA 96+08.00	59							59						
STA 94+77 RT TO STA 95+18 RT (BIKE LANE)		8.2		49.8					58.0					
STA 94+84 TO STA 96+08 @ 6' LT				124.0					124.0					3
STA 94+85 LT								12.0				12.0		
STA 94+94 TO STA 96+08 @ 6' RT	228.0								228.0				4	
STA 94+95 CL								12.0				12.0		
STA 95+18 RT TO STA 96+08 RT (BIKE LANE)				123.7					123.7					
EAST PLEASANT HILL ROAD														
STA 83+04.26 TO STA 83+63.74 @ 12' LT				59.5					59.5					
STA 83+04.26 TO STA 84+16.12 @ CL	223.7								223.7					3
STA 83+04.26 RT TO STA 84+34.85 RT				272.4					272.4				3	
STA 83+14 TO STA 83+63.74 @ 17' LT				49.7					49.7					
STA 83+29.00 TO STA 83+66.00	84							84						
STA 83+63 RT TO STA 84+36.19 RT				72.5		157.0			72.5	157.0				
STA 83+63.74 TO STA 84+33 LT		15.6		76.0					91.6					
STA 84+16.12 RT								12.0				12.0		
STA 84+32.70 RT								12.0				12.0		
COLOR SUB-TOTALS		2,162.0	177.0	0.0	3,083.1	85.8	375.1						21	34
TOTALS	213	5,423				461		78	213	5,423	461	78	55	

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 HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors
 (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/2022	DATE -	REVISED -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

SCHEDULES OF QUANTITIES
 SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	11
ILLINOIS FED. AID PROJECT		CONTRACT NO. 99683	
		BULQ(095)	

CONTROL POINTS

NUMBER	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION	ELEVATION
81211	88+50.45	17.8' LT	378,684.3064	2,580,682.5616	IRON ROD WITH HLR CAP	394.40
81212	100+86.26	18.9' LT	377,499.6312	2,581,300.8301	IRON ROD WITH HLR CAP	394.61
81213	94+96.27	24.6' LT	378,123.4832	2,581,002.8888	IRON ROD WITH HMG CAP	394.77

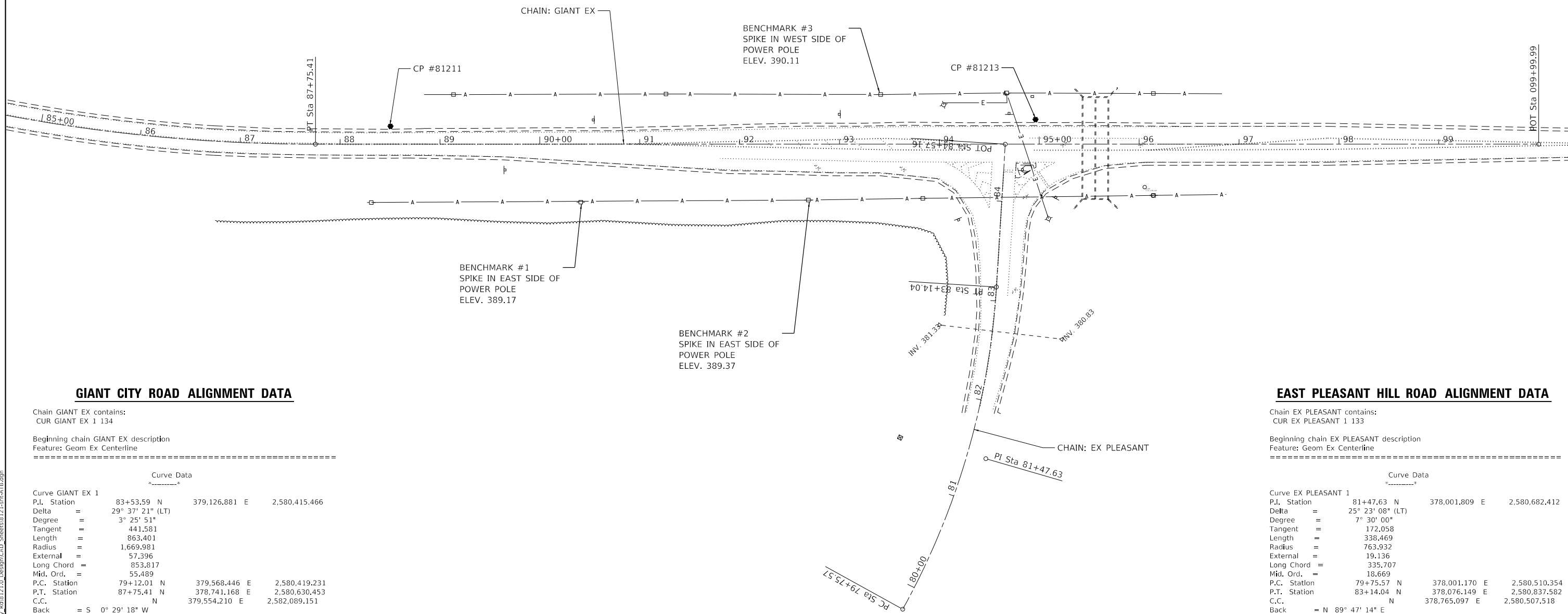
* NOT SHOWN ON PLAN SHEET

BENCHMARKS

NUMBER	STATION	OFFSET	DESCRIPTION	ELEVATION
1	90+40.98	58.1' RT	SPIKE IN PP	389.17
2	92+68.86	55.9' RT	SPIKE IN PP	389.37
3	93+41.23	49.7' LT	SPIKE IN PP	390.11

COORDINATES BASED ON NAD 83 ILLINOIS STATE PLANE WEST COORDINATE SYSTEM.

ELEVATION REFLECT NAVD 88 VALUES.



GIANT CITY ROAD ALIGNMENT DATA

Chain GIANT EX contains:
CUR GIANT EX 1 134

Beginning chain GIANT EX description
Feature: Geom Ex Centerline

Curve Data			
Curve GIANT EX 1			
P.I. Station	83+53.59 N	379,126.881 E	2,580,415.466
Delta	=	29° 37' 21" (LT)	
Degree	=	3° 25' 51"	
Tangent	=	441.581	
Length	=	863.401	
Radius	=	1,669.981	
External	=	57.396	
Long Chord	=	853.817	
Mid. Ord.	=	55.489	
P.C. Station	79+12.01 N	379,568.446 E	2,580,419.231
P.T. Station	87+75.41 N	378,741.168 E	2,580,630.453
C.C.	N	379,554.210 E	2,582,089.151
Back	= S	0° 29' 18" W	
Ahead	= S	29° 08' 03" E	
Chord Bear	= S	14° 19' 22" E	

Course from PT GIANT EX 1 to 134 S 29° 08' 03" E Dist 1,224.578

Point 134 N 377,671.521 E 2,581,226.648 Sta 99+99.99

Ending chain GIANT EX description

EAST PLEASANT HILL ROAD ALIGNMENT DATA

Chain EX PLEASANT contains:
CUR EX PLEASANT 1 133

Beginning chain EX PLEASANT description
Feature: Geom Ex Centerline

Curve Data			
Curve EX PLEASANT 1			
P.I. Station	81+47.63 N	378,001.809 E	2,580,682.412
Delta	=	25° 23' 08" (LT)	
Degree	=	7° 30' 00"	
Tangent	=	172.058	
Length	=	338.469	
Radius	=	763.932	
External	=	19.136	
Long Chord	=	335.707	
Mid. Ord.	=	18.669	
P.C. Station	79+75.57 N	378,001.170 E	2,580,510.354
P.T. Station	83+14.04 N	378,076.149 E	2,580,837.582
C.C.	N	378,765.097 E	2,580,507.518
Back	= N	89° 47' 14" E	
Ahead	= N	64° 24' 06" E	
Chord Bear	= N	77° 05' 40" E	

Course from PT EX PLEASANT 1 to 133 N 64° 24' 06" E Dist 143.120

Point 133 N 378,137.985 E 2,580,966.653 Sta 84+57.16

Ending chain EX PLEASANT description

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HMG HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
Engineers & Surveyors (618) 526-9611
IL PROF. DESIGN FIRM NO. 184,000899

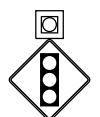
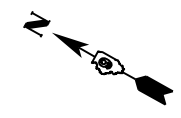
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PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/3/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

**ALIGNMENTS, TIES
& BENCHMARKS**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

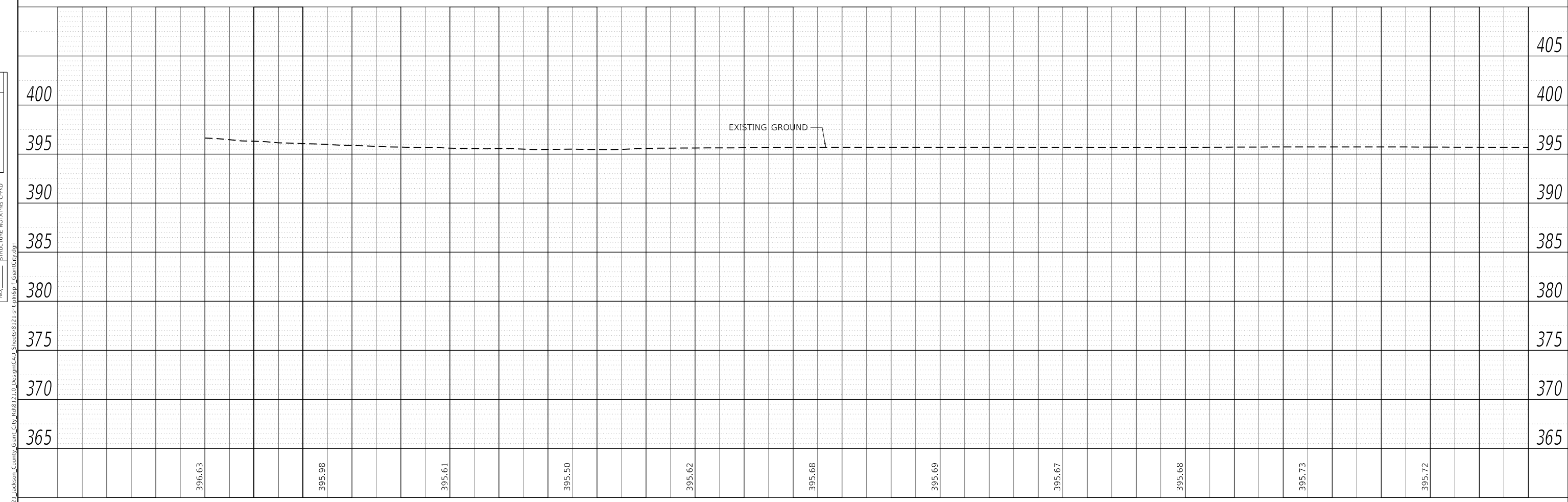
PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-RS	JACKSON	37	12
CONTRACT NO. 99683			
ILLINOIS FED. AID PROJECT			BULQ(095)



30"x30" W3-3 &
FLASHING BEACON INSTALLATION
TO BE PLACED AT
STA. 85+50 RT

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

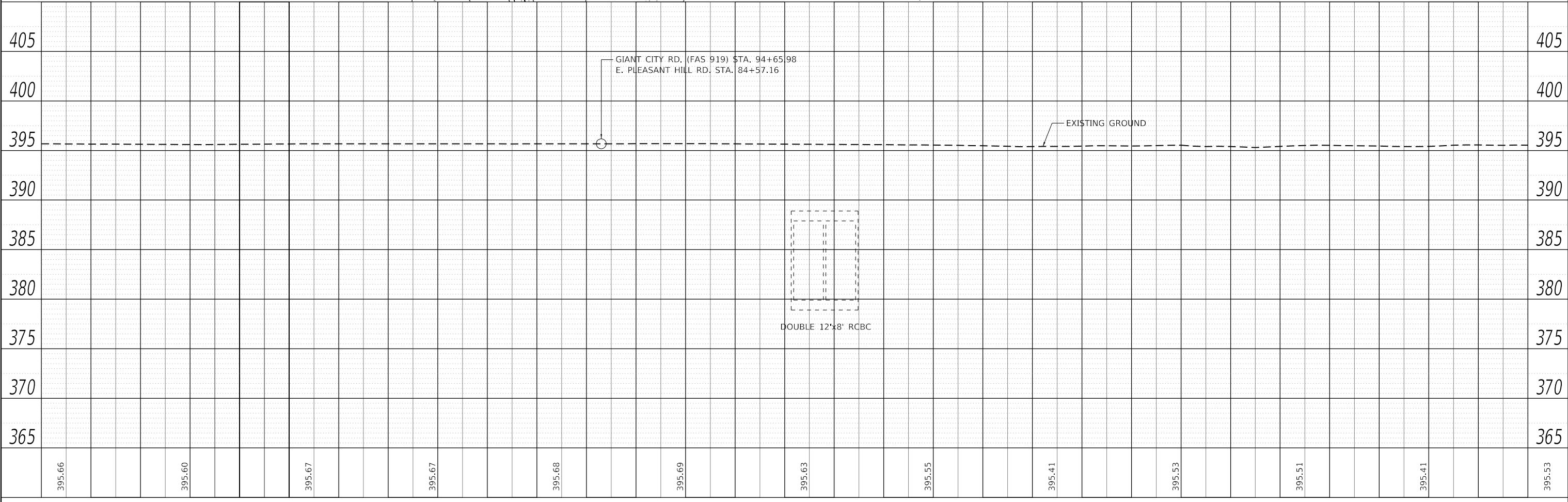
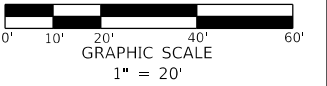
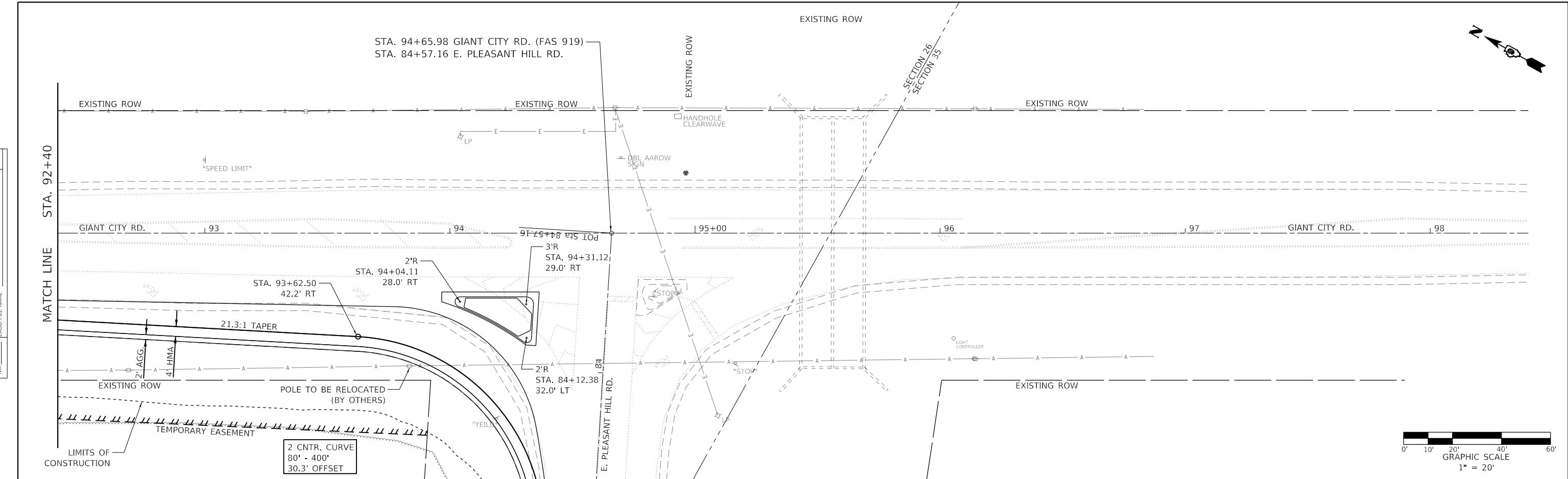


HMG HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 Engineers • Surveyors (618) 526-9611 IL PROF. DESIGN FIRM NO. 184.000899	USER NAME = mobrien	DESIGNED -	REVISED -	JACKSON COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE GIANT CITY ROAD		PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -				SECTION 19-00181-00-SP	JACKSON	37	13
PLOT DATE = 10/3/2022	CHECKED -	REVISED -	CONTRACT NO. 99683							
DATE -	REVISED -	ILLINOIS FED. AID PROJECT BULQ(095)								

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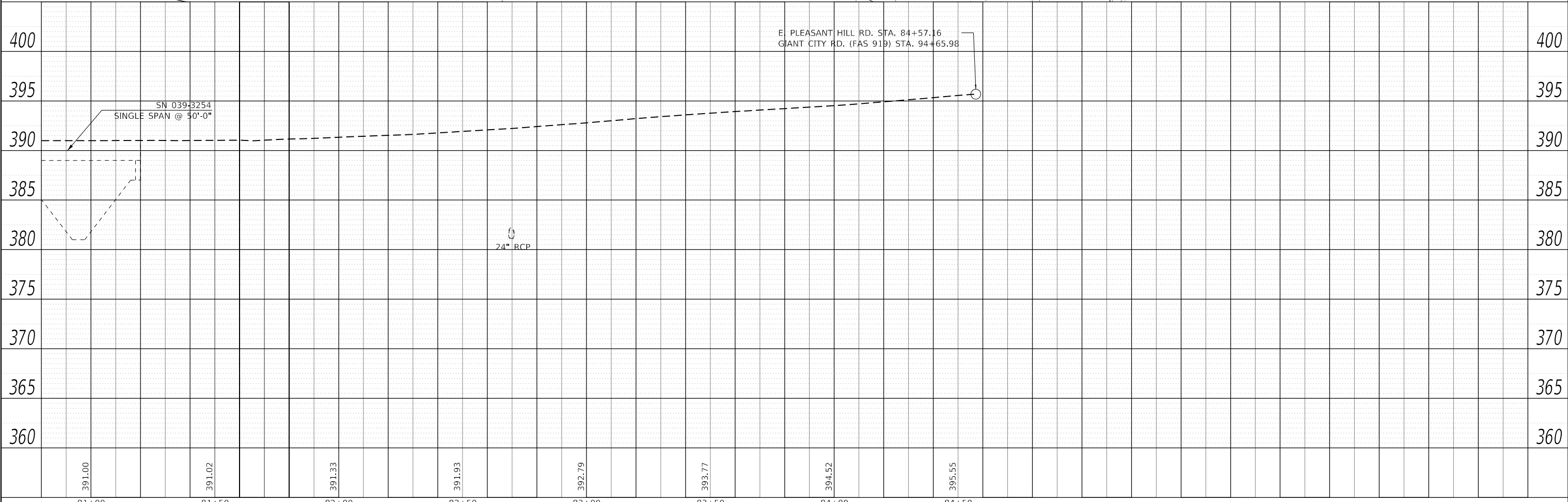
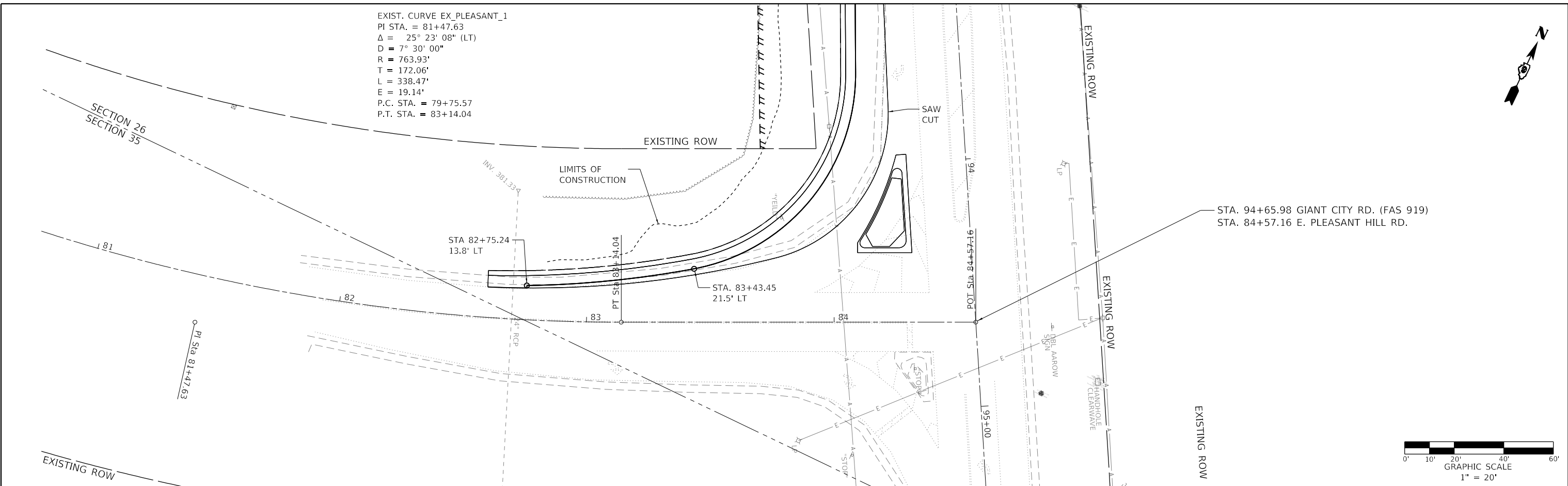
HMG HMG ENGINEERS, INC. 9360 HOLY CROSS LANE BREESE, ILLINOIS 62230 Engineers • Surveyors (618) 526-9611 IL PROF. DESIGN FIRM NO. 184.000899	USER NAME = mobrien DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	JACKSON COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE GIANT CITY ROAD		PROJECT SECTION 19-00181-00-SP	COUNTY JACKSON	TOTAL SHEETS 37	SHEET NO. 14
	PLOT SCALE = 40.0000' / in. PLOT DATE = 10/3/2022	SCALE: 1" = 20' SHEET 2 OF 2 SHEETS		STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 99683	BULQ(095)	

EXIST. CURVE EX_PLEASANT_1
 PI STA. = 81+47.63
 $\Delta = 25^\circ 23' 08''$ (LT)
 $D = 7^\circ 30' 00''$
 $R = 763.93'$
 $T = 172.06'$
 $L = 338.47'$
 $E = 19.14'$
 P.C. STA. = 79+75.57
 P.T. STA. = 83+14.04



DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	
CADD FILE NAME	

DATE	
BY	
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PLOTTED	
GRADES CHECKED	
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NOTE BOOK NO.	
CADD FILE NAME	



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PLOT DATE = 10/3/2022	DATE -	REVISED -

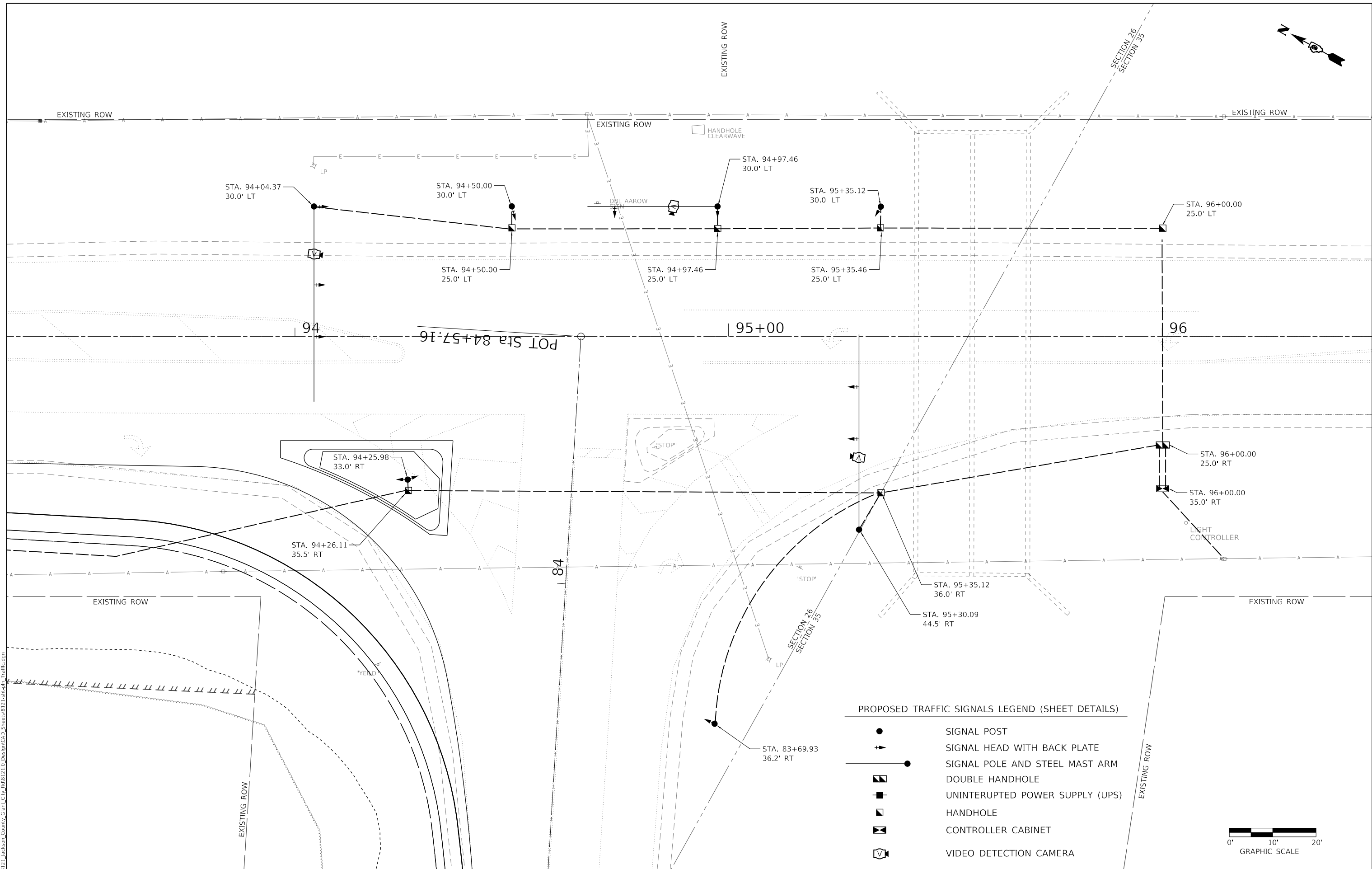
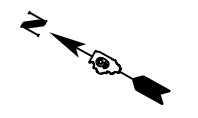
**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**PLAN & PROFILE
 E. PLEASANT HILL ROAD**

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	15
CONTRACT NO. 99683			
ILLINOIS	FED. AID PROJECT	BULQ(095)	

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PROPOSED TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- SIGNAL POST
- +> SIGNAL HEAD WITH BACK PLATE
- SIGNAL POLE AND STEEL MAST ARM
- ▣ DOUBLE HANDHOLE
- UNINTERRUPTED POWER SUPPLY (UPS)
- ▣ HANDHOLE
- ▣ CONTROLLER CABINET
- 📷 VIDEO DETECTION CAMERA



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USER NAME = mobrien	DESIGNED -	REVISD -
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PLOT DATE = 10/3/2022	CHECKED -	REVISD -
	DATE -	REVISD -

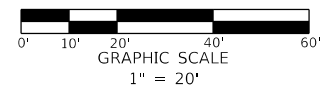
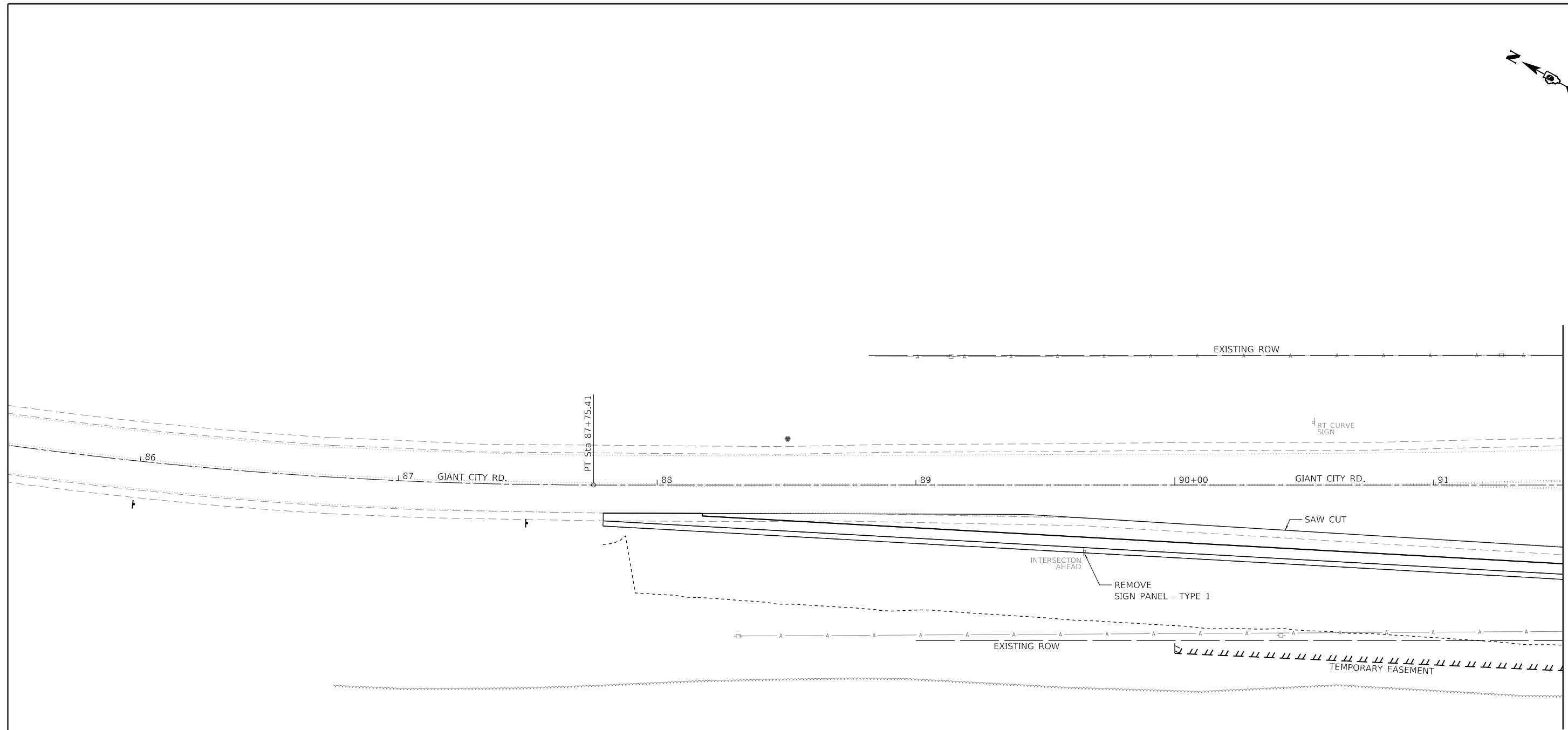
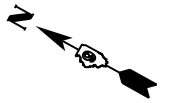
**JACKSON COUNTY
HIGHWAY DEPARTMENT**

**TRAFFIC SIGNAL
PLAN**

SCALE: 1" = 10' SHEET 1 OF 1 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	16
ILLINOIS FED. AID PROJECT		CONTRACT NO. 99683 BULQ(095)	

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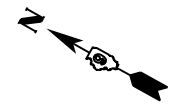
HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
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PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/3/2022	CHECKED -	REVISED -
	DATE -	REVISED -

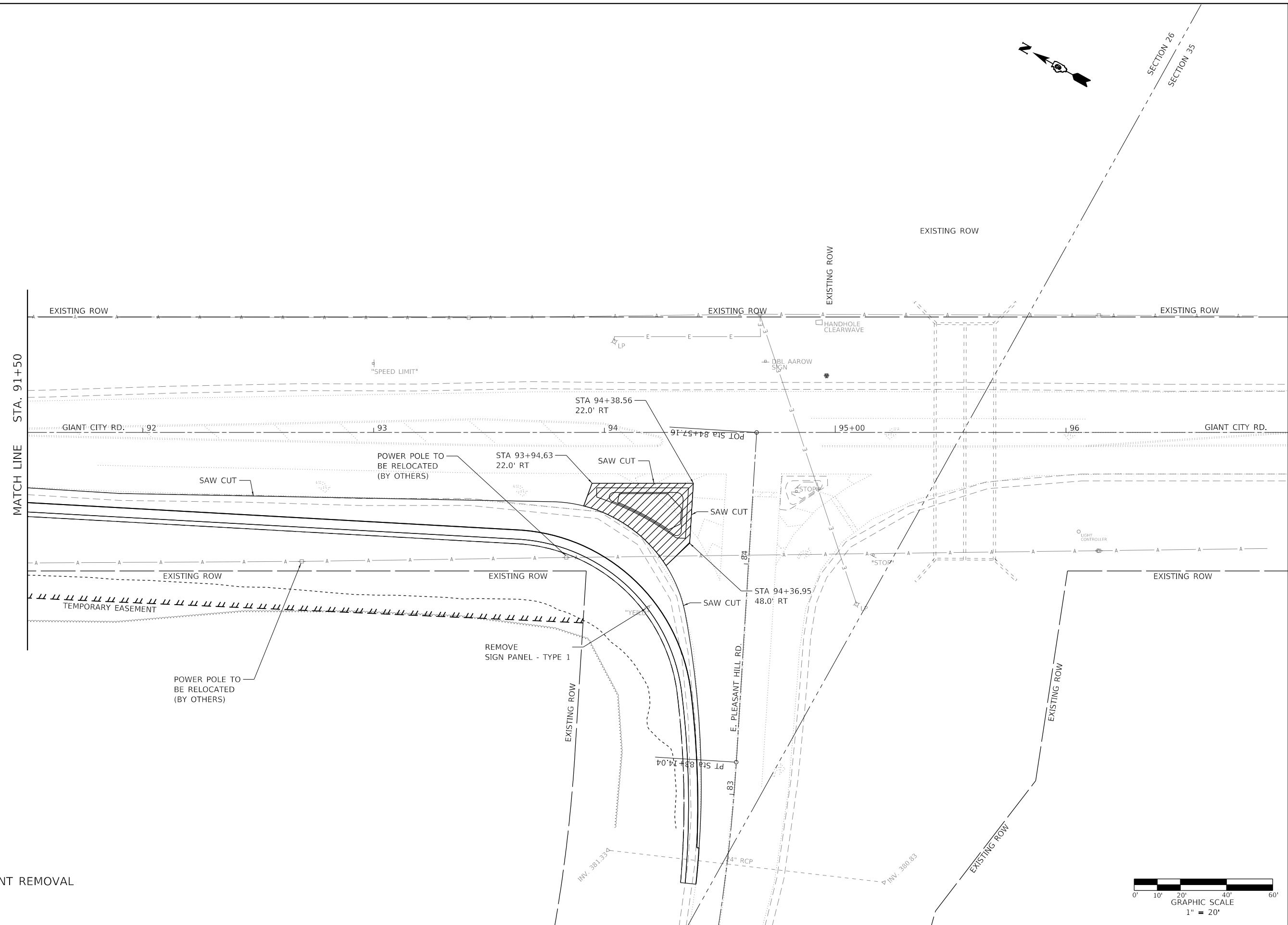
**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

REMOVAL PLAN
 SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

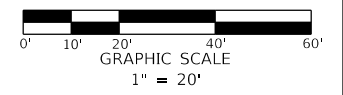
PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	17
ILLINOIS		FED. AID PROJECT	BULQ(095)
CONTRACT NO. 99683			



SECTION 26
SECTION 35



 PAVEMENT REMOVAL



MODEL: Default
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HMG HMG ENGINEERS, INC.
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BREESE, ILLINOIS 62230
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USER NAME = mobrien
PLOT SCALE = 40,0000' / in.
PLOT DATE = 10/3/2022

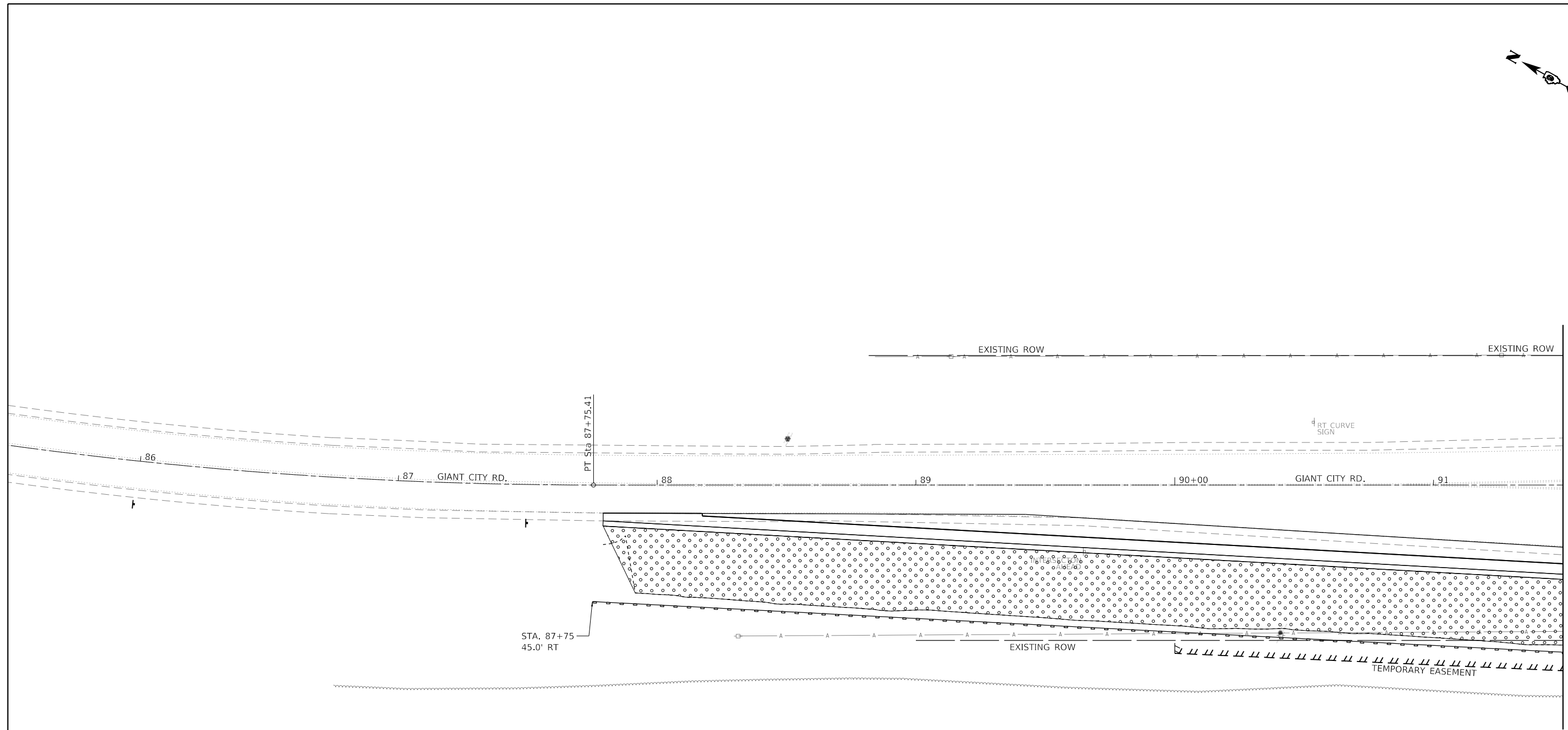
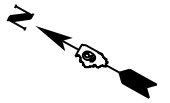
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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

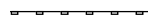
REMOVAL PLAN

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. TO STA.

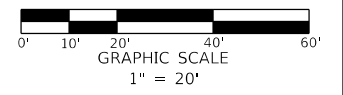
PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	18
CONTRACT NO. 99683		ILLINOIS FED. AID PROJECT BULQ(095)	



MATCH LINE STA. 91+50

 PERIMETER EROSION BARRIER

 CLASS 2A SEEDING & EROSION CONTROL BLANKET



MODEL: Default
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PROJECT: Jackson County Giant City 8081210_Design/CAD_Sheets/8121-shield_erosion.dwg

HMG HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
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USER NAME = mobrien
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DESIGNED -
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CHECKED -
DATE -

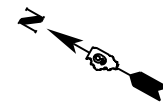
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**JACKSON COUNTY
HIGHWAY DEPARTMENT**

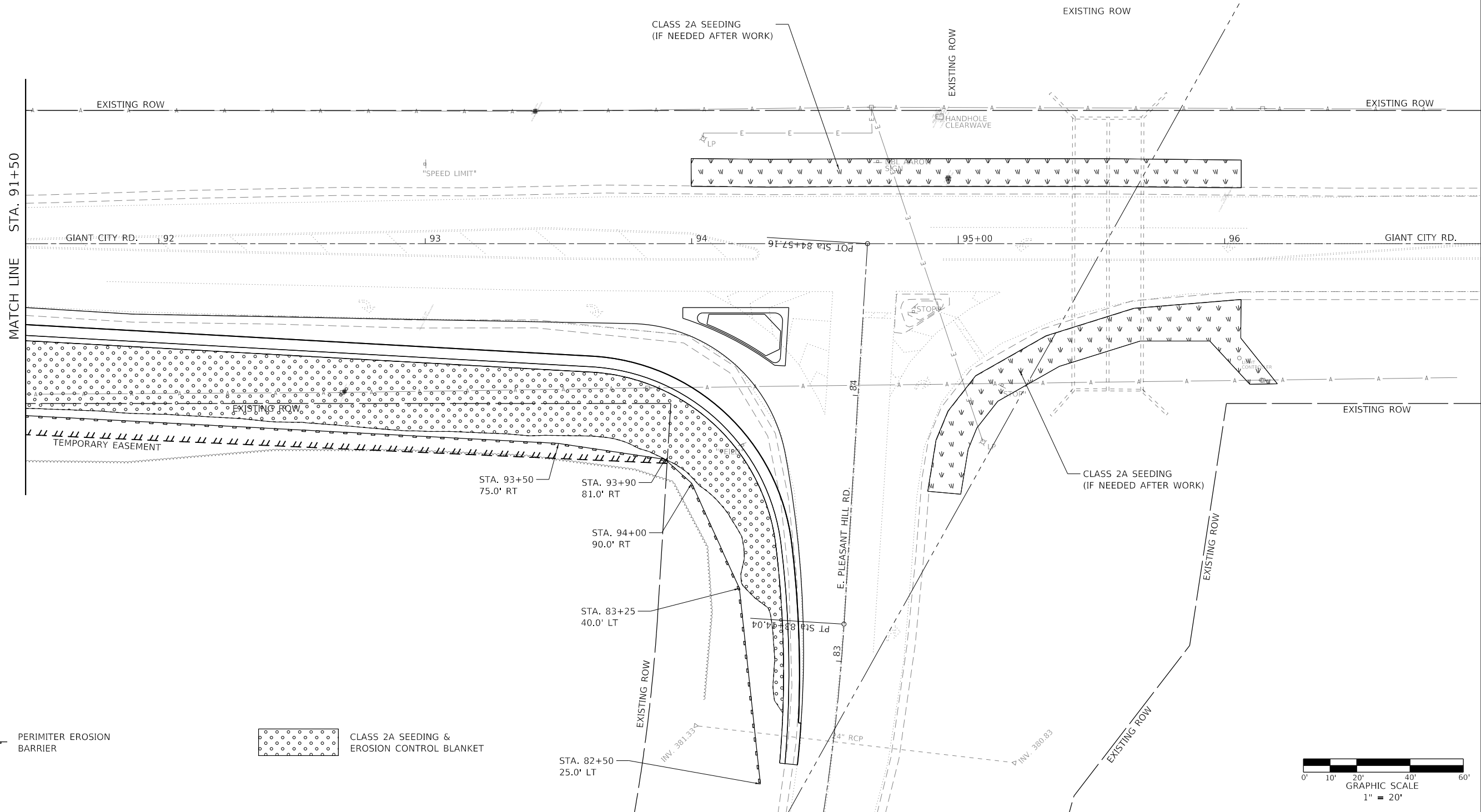
**EROSION CONTROL & SEEDING
PLAN**

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	19
CONTRACT NO. 99683			
ILLINOIS	FED. AID PROJECT	BULQ(095)	

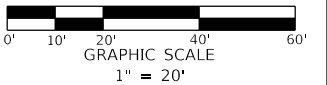


SECTION 26
SECTION 35



PERIMETER EROSION BARRIER

CLASS 2A SEEDING & EROSION CONTROL BLANKET



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 Jackson County Grant City 8/8/2022 10:00:00 AM
 Design: CAD_Sheets8121-1-shield_erosion.dwg

HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers & Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 10/3/2022

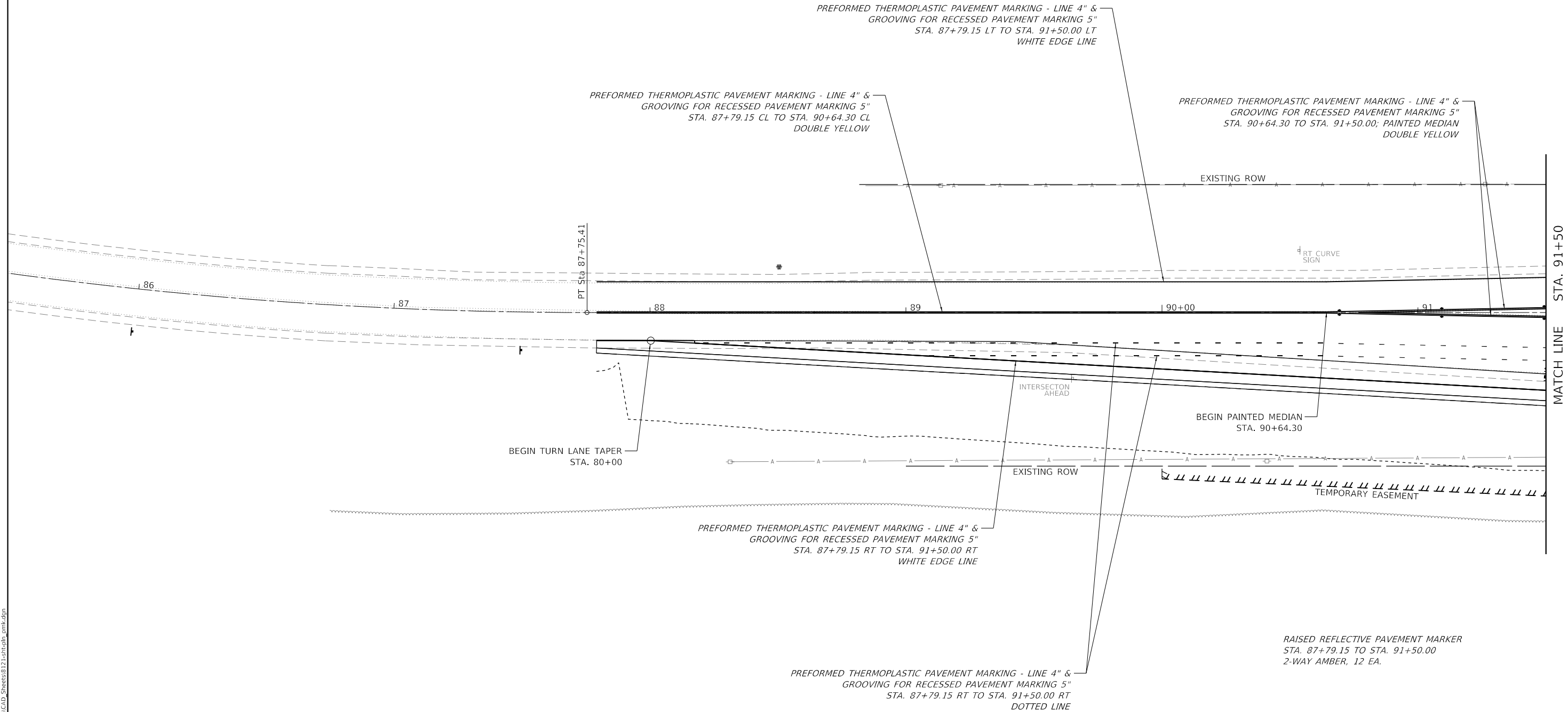
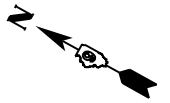
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CHECKED -	REVISED -
DATE -	REVISED -

LOCAL PUBLIC AGENCY, ILLINOIS

EROSION CONTROL & SEEDING PLAN

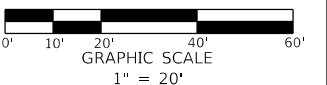
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PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	20
CONTRACT NO. 99683			
ILLINOIS	FED. AID PROJECT	BULQ(095)	



NOTES

ALL EXISTING PAVEMENT MARKINGS FROM STA. 87+79.15 TO STA. 96+08.36 SHALL BE REMOVED BY WATER BLASTING IN PREPARATION FOR THE PROPOSED MARKINGS.



MODEL: Default; FILE: Model; P: 10/3/2022; Jackson County, Grant City, 8081210_DesignCAD_Sheets\8121-1-shc\plan_umb.dgn

HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME =	mobrien
PLOT SCALE =	40,0000' / in.
PLOT DATE =	10/3/2022

DESIGNED -	REVISD -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

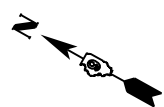
**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**PAVEMENT MARKING
 PLAN**

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	21
CONTRACT NO. 99683		ILLINOIS FED. AID PROJECT BULQ(095)	

RAISED REFLECTIVE PAVEMENT MARKER
STA. 91+50.00 TO STA. 96+08.36
2-WAY AMBER, 16 EA.



SECTION 26
SECTION 35

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24" & GROOVING FOR RECESSED PAVEMENT MARKING 25" STA. 94+85 & STA 94+95, STOP BAR

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 12" & GROOVING FOR RECESSED PAVEMENT MARKING 13"

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" & GROOVING FOR RECESSED PAVEMENT MARKING 5" WHITE EDGE LINE

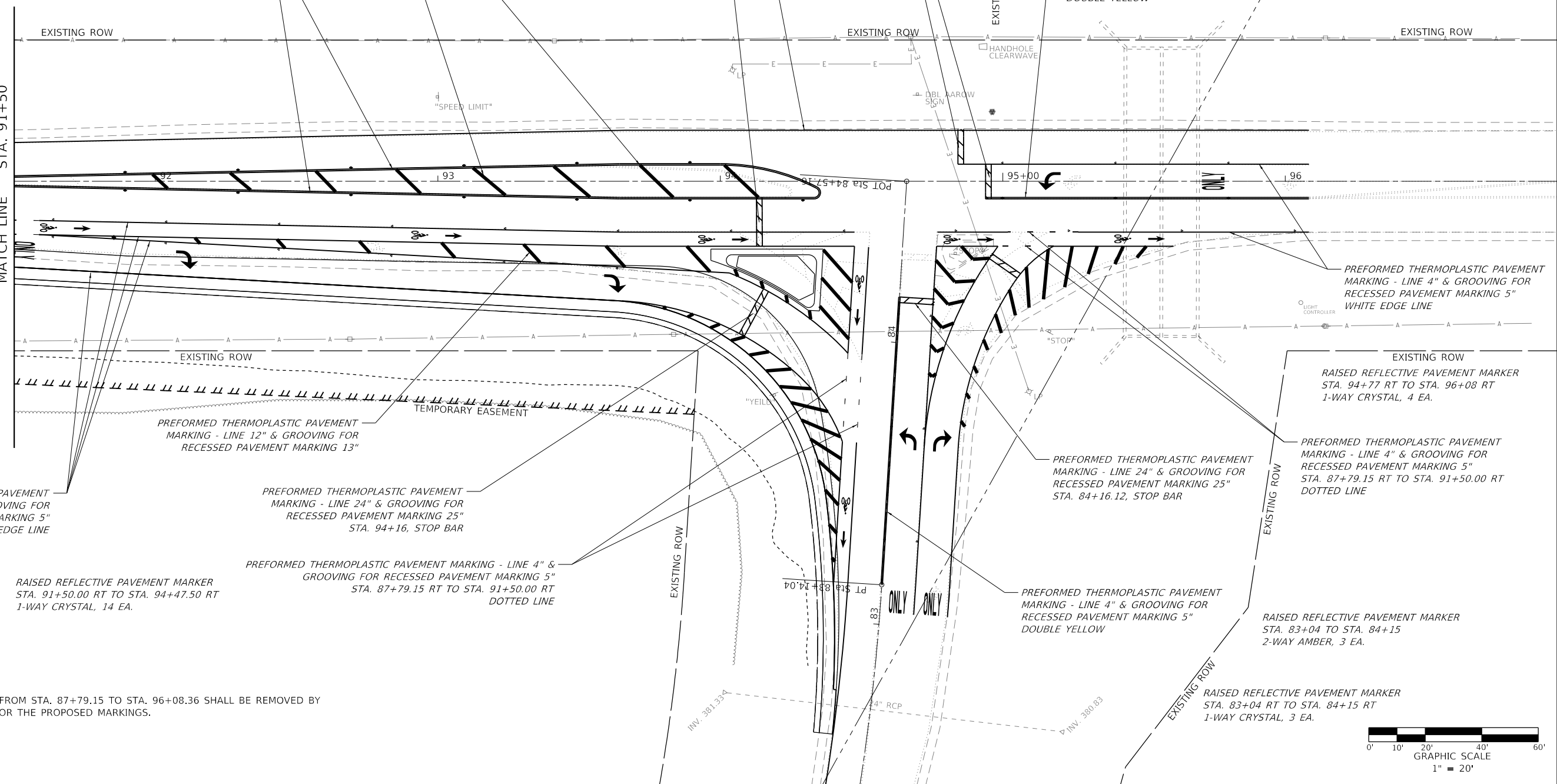
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PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24" & GROOVING FOR RECESSED PAVEMENT MARKING 25" STA. 94+14, STOP BAR

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" & GROOVING FOR RECESSED PAVEMENT MARKING 5" DOUBLE YELLOW

RAISED REFLECTIVE PAVEMENT MARKER STA. 94+85 LT TO STA. 96+08 LT 1-WAY CRYSTAL, 3 EA.

MATCH LINE STA. 91+50



PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" & GROOVING FOR RECESSED PAVEMENT MARKING 5" WHITE EDGE LINE

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 12" & GROOVING FOR RECESSED PAVEMENT MARKING 13"

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24" & GROOVING FOR RECESSED PAVEMENT MARKING 25" STA. 94+16, STOP BAR

RAISED REFLECTIVE PAVEMENT MARKER STA. 91+50.00 RT TO STA. 94+47.50 RT 1-WAY CRYSTAL, 14 EA.

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" & GROOVING FOR RECESSED PAVEMENT MARKING 5" STA. 87+79.15 RT TO STA. 91+50.00 RT DOTTED LINE

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 24" & GROOVING FOR RECESSED PAVEMENT MARKING 25" STA. 84+16.12, STOP BAR

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" & GROOVING FOR RECESSED PAVEMENT MARKING 5" WHITE EDGE LINE

RAISED REFLECTIVE PAVEMENT MARKER STA. 94+77 RT TO STA. 96+08 RT 1-WAY CRYSTAL, 4 EA.

PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" & GROOVING FOR RECESSED PAVEMENT MARKING 5" STA. 87+79.15 RT TO STA. 91+50.00 RT DOTTED LINE

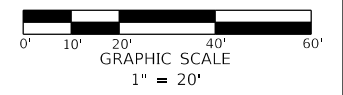
PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 4" & GROOVING FOR RECESSED PAVEMENT MARKING 5" DOUBLE YELLOW

RAISED REFLECTIVE PAVEMENT MARKER STA. 83+04 TO STA. 84+15 2-WAY AMBER, 3 EA.

RAISED REFLECTIVE PAVEMENT MARKER STA. 83+04 RT TO STA. 84+15 RT 1-WAY CRYSTAL, 3 EA.

NOTES

ALL EXISTING PAVEMENT MARKINGS FROM STA. 87+79.15 TO STA. 96+08.36 SHALL BE REMOVED BY WATER BLASTING IN PREPARATION FOR THE PROPOSED MARKINGS.



MODEL: Default; FILE: 19-00181-00-SP.dwg; PROJECT: Jackson County, Illinois; SHEET: 2 OF 2

HMG HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
Engineers & Surveyors (618) 526-9611
IL PROF. DESIGN FIRM NO. 184.000899

USER NAME	= mobrien
PLOT SCALE	= 40,000' / in.
PLOT DATE	= 10/3/2022

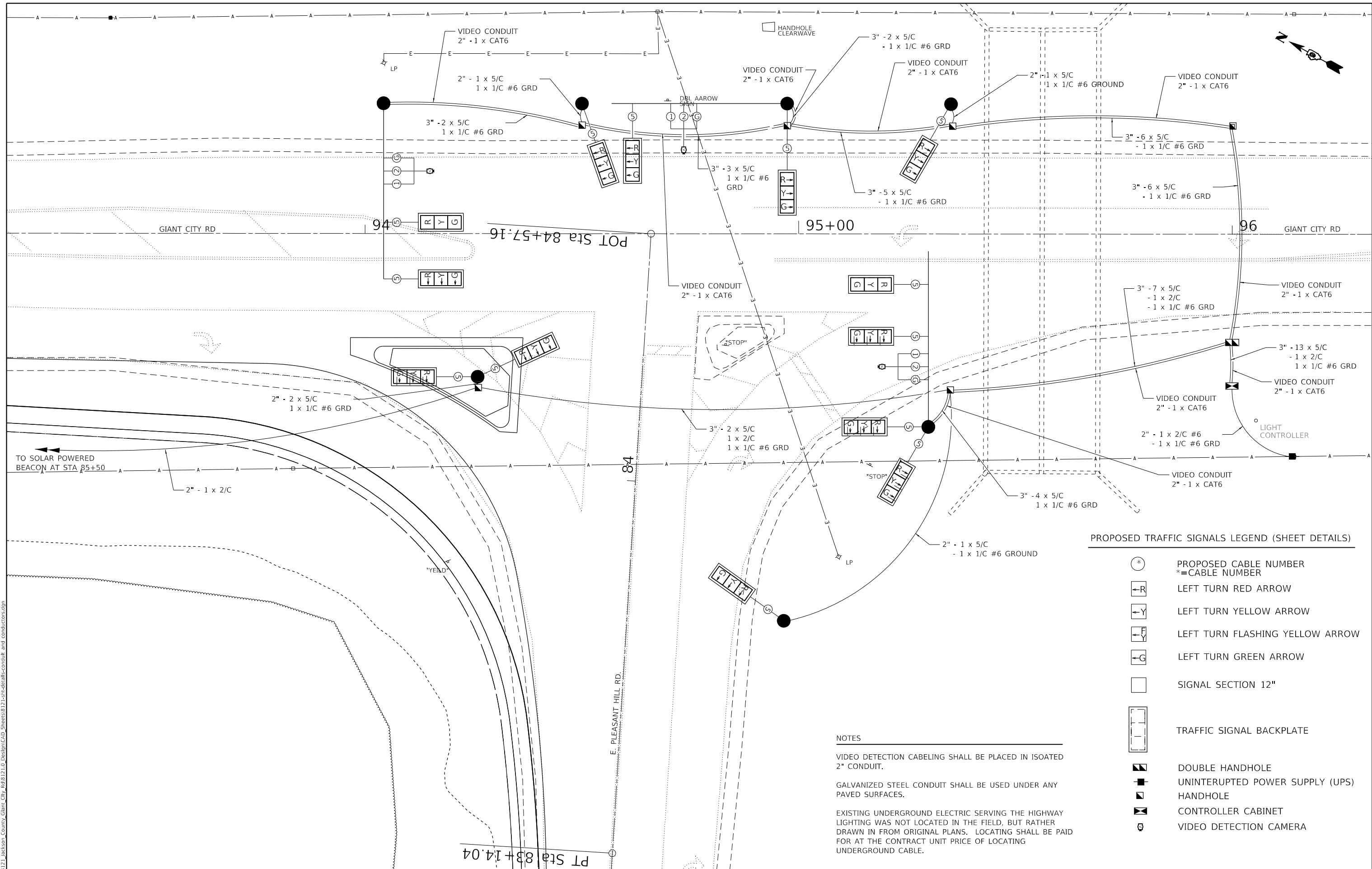
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DRAWN -	REVISION -
CHECKED -	REVISION -
DATE -	REVISION -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

**PAVEMENT MARKING
PLAN**

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	22
CONTRACT NO. 99683		ILLINOIS FED. AID PROJECT BULQ(095)	



PROPOSED TRAFFIC SIGNALS LEGEND (SHEET DETAILS)

- PROPOSED CABLE NUMBER
* = CABLE NUMBER
- LEFT TURN RED ARROW
- LEFT TURN YELLOW ARROW
- LEFT TURN FLASHING YELLOW ARROW
- LEFT TURN GREEN ARROW
- SIGNAL SECTION 12"
- TRAFFIC SIGNAL BACKPLATE
- DOUBLE HANDHOLE
- UNINTERRUPTED POWER SUPPLY (UPS)
- HANDHOLE
- CONTROLLER CABINET
- VIDEO DETECTION CAMERA

NOTES

VIDEO DETECTION CABELING SHALL BE PLACED IN ISOATED 2" CONDUIT.

GALVANIZED STEEL CONDUIT SHALL BE USED UNDER ANY PAVED SURFACES.

EXISTING UNDERGROUND ELECTRIC SERVING THE HIGHWAY LIGHTING WAS NOT LOCATED IN THE FIELD, BUT RATHER DRAWN IN FROM ORIGINAL PLANS. LOCATING SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE OF LOCATING UNDERGROUND CABLE.

MODEL: Default
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HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME =	mobrien
PLOT SCALE =	19,9998' / in.
PLOT DATE =	10/3/2022

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

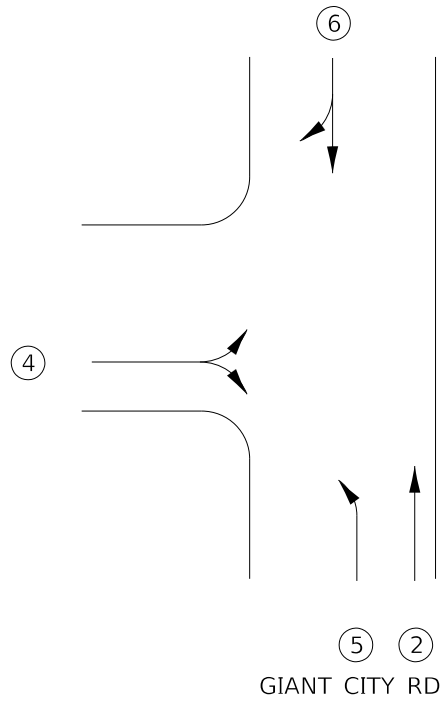
**JACKSON COUNTY
HIGHWAY DEPARTMENT**

**CONDUIT AND CONDUCTOR DETAILS
GIANT CITY RD. & E. PLEASANT HILL RD. INTERSECTION IMPROVEMENTS**

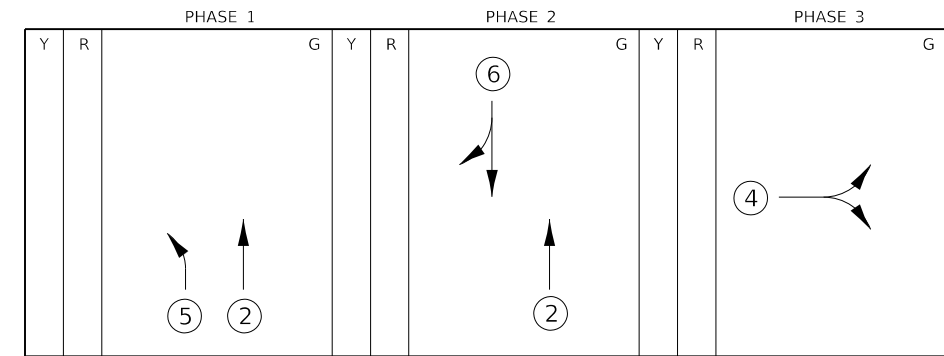
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	23
ILLINOIS FED. AID PROJECT		CONTRACT NO. 99683 BULQ(095)	

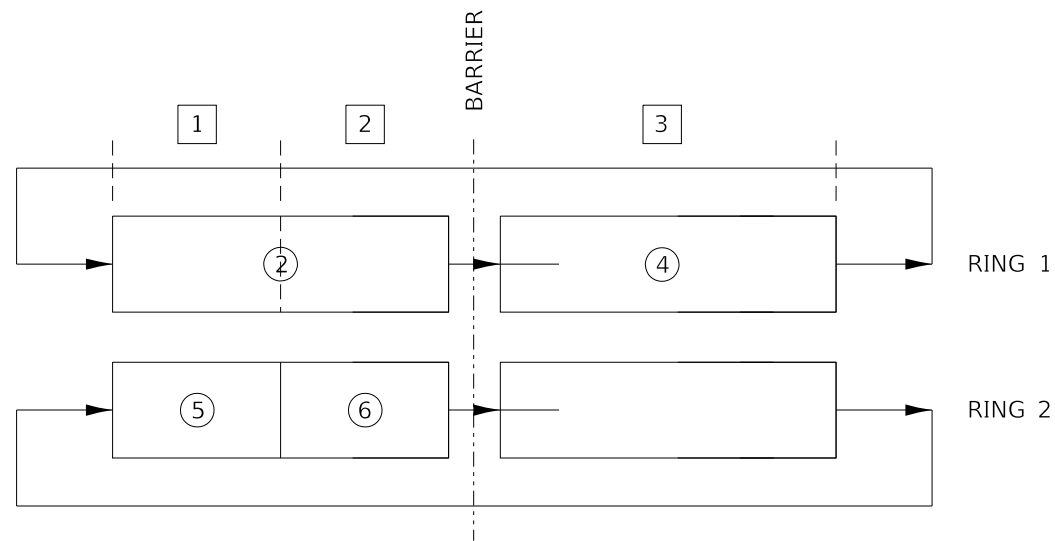
E. PLEASANT HILL RD.



MODIFICATION TO STANDARD DESIGNATION DIAGRAM



SEQUENTIAL ACTUATION



REPRESENTATION OF NEMA EIGHT PHASE DUAL RING ACTUATED CONFIGURATION

- 1 PHASE
- (X) MOVEMENT

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HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME	= mobrien
PLOT SCALE	= 19,9998 ' / in.
PLOT DATE	= 10/3/2022

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

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REVISED	-
REVISED	-

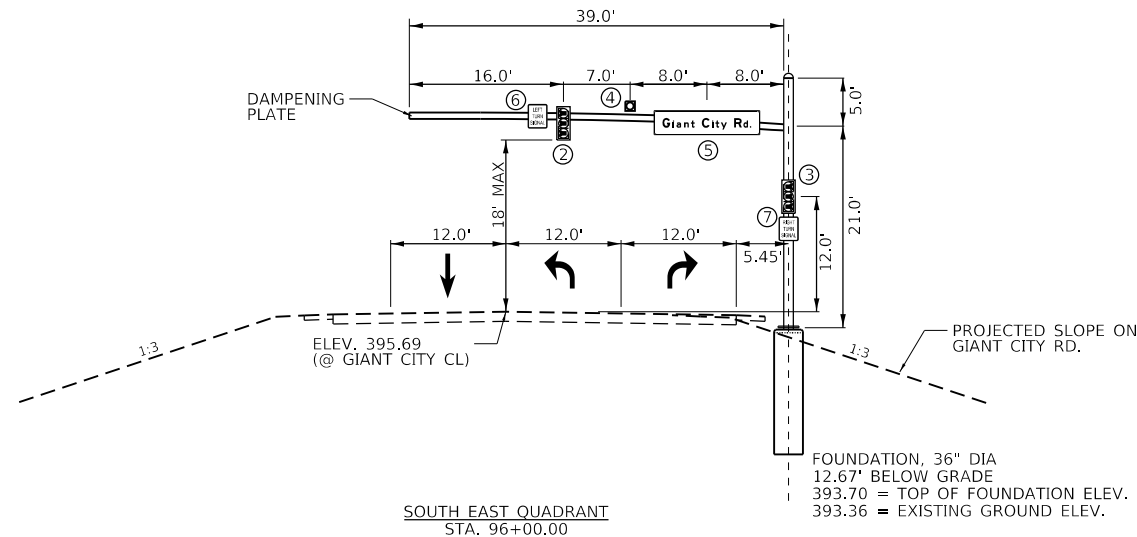
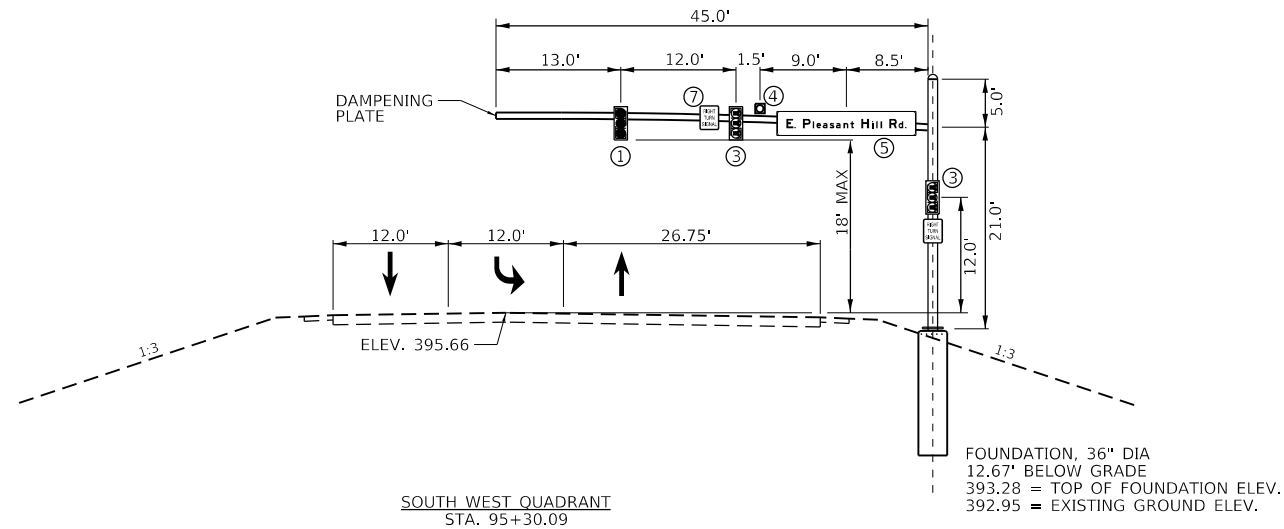
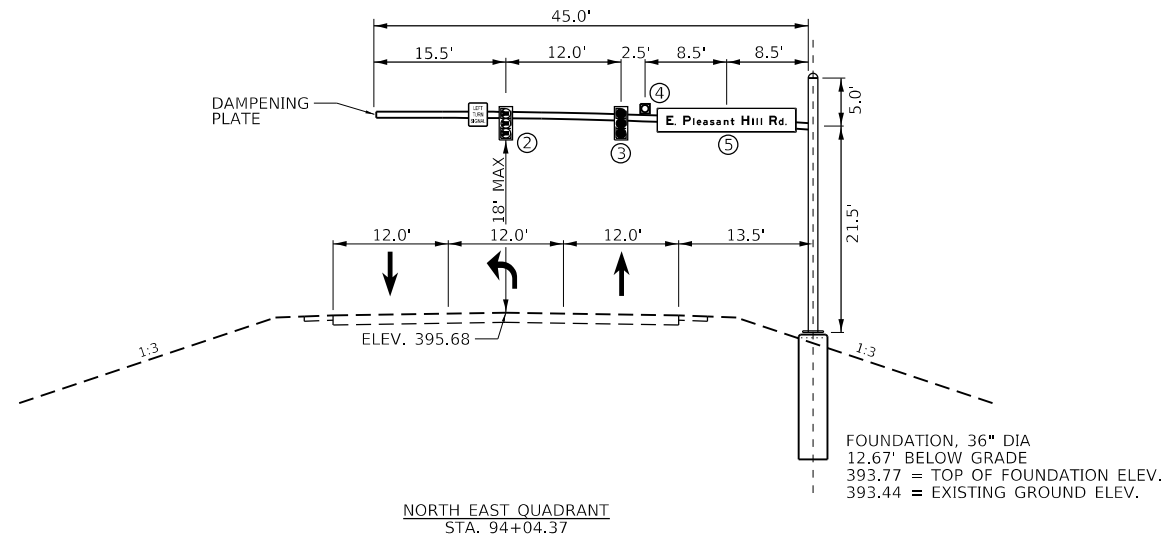
JACKSON COUNTY HIGHWAY DEPARTMENT

MODIFICATIONS TO HIGHWAY STANDARD 857001

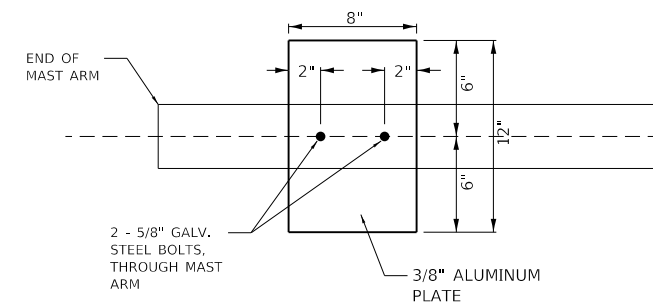
SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	24
CONTRACT NO. 99683		BULO(095)	

ILLINOIS FED. AID PROJECT



- LEGEND
- ① 3-SECTION SIGNAL HEAD WITH RETROREFLECTIVE BACKPLATE
 - ② 3-SECTION SIGNAL HEAD (LEFT ARROWS) WITH RETROREFLECTIVE BACKPLATE
 - ③ 3-SECTION SIGNAL HEAD (RIGHT ARROWS) WITH RETROREFLECTIVE BACKPLATE
 - ④ 4.8 LB VIDEO CAMERA
 - ⑤ ROAD NAME SIGNS, SEE SIGN PANEL DETAILS
 - ⑥ R10-10L 24"x30", "LEFT TURN SIGNAL"
 - ⑦ R10-10R 24"x30", "RIGHT TURN SIGNAL"



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HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien
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 PLOT DATE = 10/3/2022

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**SIGNAL POLE & MAST ARM
 LOADING DIAGRAM**

SCALE: N.T.S. SHEET OF SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	25
CONTRACT NO. 99683			
ILLINOIS FEDERAL AID PROJECT		BULO(095)	

VANTAGE VECTOR WITH RED PROTECT SETTINGS FOR
GIANT CITY ROAD APPROACHES

(45 TO 50 MPH POSTED SPEED)

TRIP LINE	SPEED	TRIP LINE DISTANCE	TRIP LINE WIDTH	SPEED THRESHOLD	EXTENSION	CONTROLLER SETTINGS
VECTOR DILEMMA RADAR ZONE SETTINGS						
5	50	385	+/-20	>47	2.5	CALL+EXT
4	45	345	+/-20	42-48	2.5	CALL+EXT
3	40	305	+/-20	37-43	2.4	CALL+EXT
VECTOR INTERMEDIATE RADAR ZONE SETTINGS						
2	LOW SPEED	140	+/-20	<38	2.0	CALL+EXT
VECTOR RED EXTENSION ZONE SETTINGS						
1		100	+/-20	>45	2.0	RED PROTECT
VIDEO STOP BAR DETECTION ZONE SETTINGS						
ALL - EACH LANE 40' ZONE 0 EXTENSION						DROP AFTER GAP

VANTAGE VECTOR WITH RED PROTECT
55 MPH POSTED SPEED

(FOR INFORMATION ONLY)

TRIP LINE	SPEED	TRIP LINE DISTANCE	TRIP LINE WIDTH	SPEED THRESHOLD	EXTENSION	CONTROLLER SETTINGS
VECTOR DILEMMA RADAR ZONE SETTINGS						
5	55	425	+/-20	>52	2.5	CALL+EXT
4	50	385	+/-20	47-53	2.5	CALL+EXT
3	45	345	+/-20	42-48	2.4	CALL+EXT
VECTOR INTERMEDIATE RADAR ZONE SETTINGS						
2	LOW SPEED	140	+/-20	<38	2.0	CALL+EXT
VECTOR RED EXTENSION ZONE SETTINGS						
1		100	+/-20	>45	2.0	RED PROTECT
VIDEO STOP BAR DETECTION ZONE SETTINGS						
ALL - EACH LANE 40' ZONE 0 EXTENSION						DROP AFTER GAP

NOTES:

BEFORE SETUP ITERIS PERSONEL SHALL BE CONTACTED TO VERIFY CORRECT SETTINGS.

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HMG HMG ENGINEERS, INC.
9360 HOLY CROSS LANE
BREESE, ILLINOIS 62230
Engineers + Surveyors
(618) 526-9611
IL PROF. DESIGN FIRM NO. 184.000899

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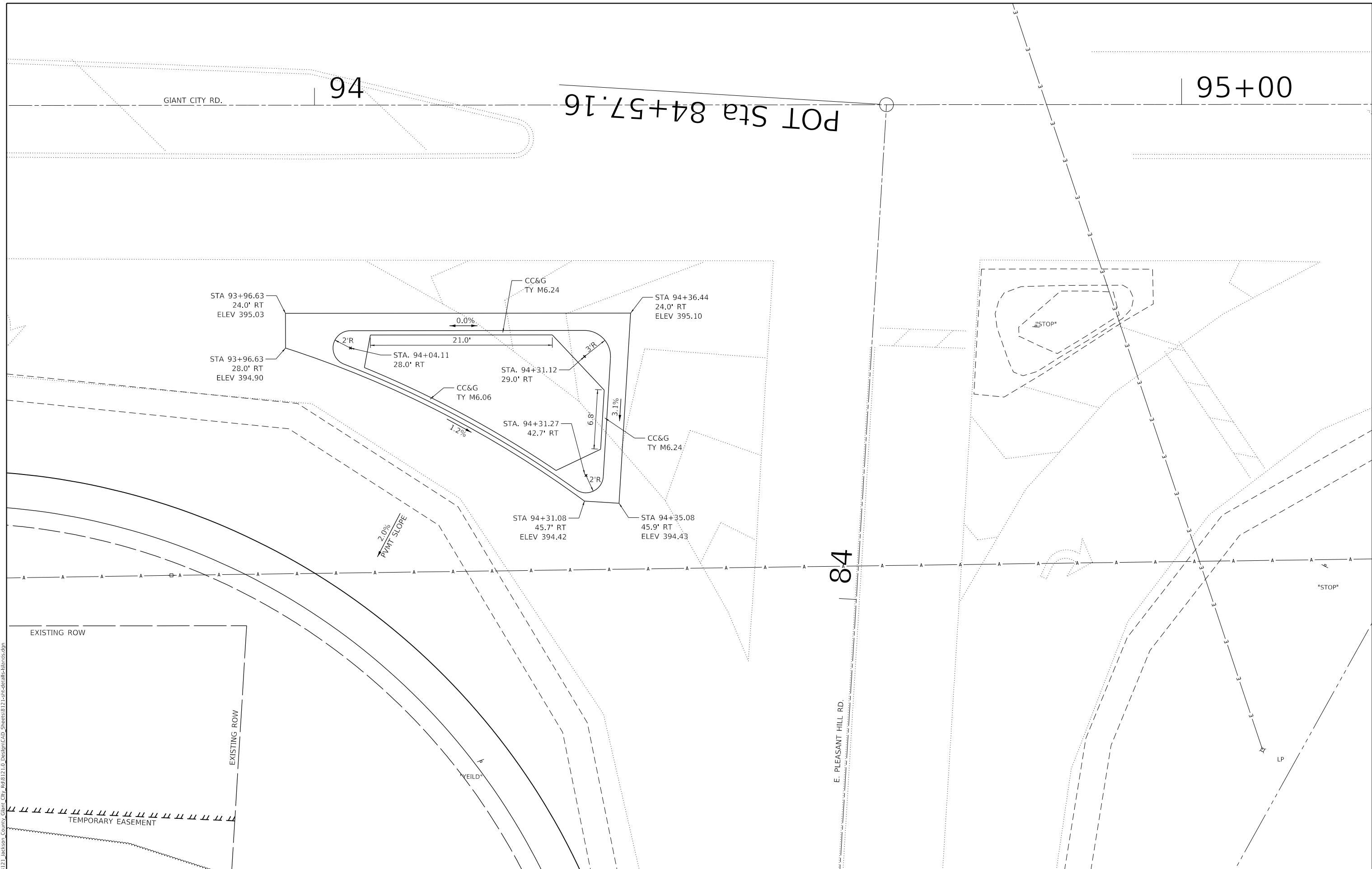
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**JACKSON COUNTY
HIGHWAY DEPARTMENT**

**ITERIS VANTAGE VECTOR
DETECTION SETTINGS**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	26
		CONTRACT NO. 99683	
ILLINOIS	FEDERAL AID PROJECT	BULQ(095)	



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HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien
 PLOT SCALE = 9,9999 ' / in.
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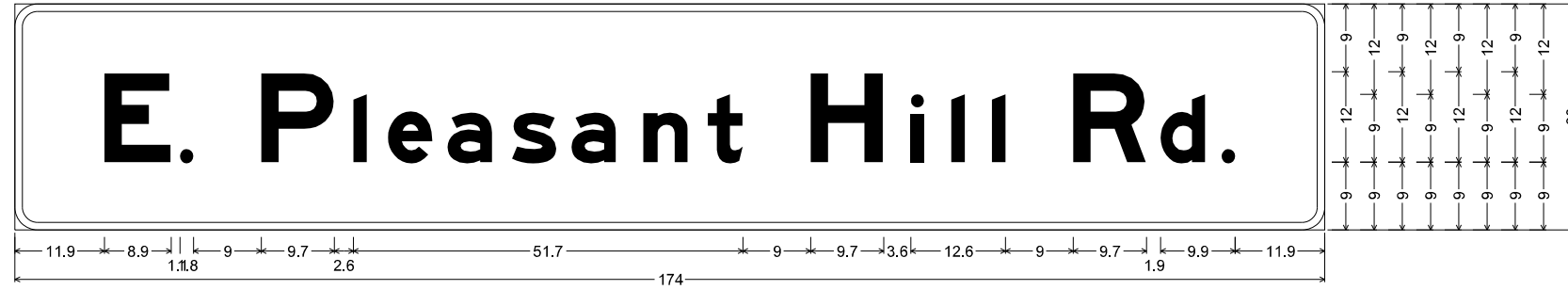
**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

ISLAND GEOMETRIC DETAILS

SCALE: 1"=5' SHEET 1 OF 1 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	27
CONTRACT NO. 99683			
ILLINOIS FED. AID PROJECT		BULQ(095)	

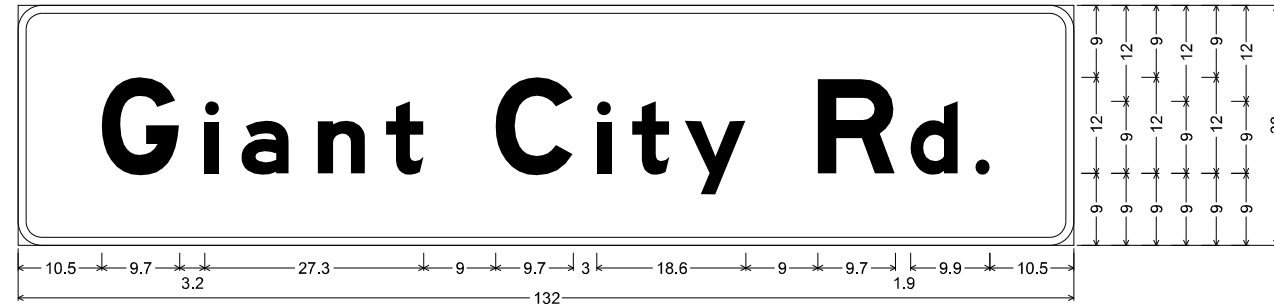
STA 94+04.37 & STA 95+30.09 (ON MAST ARM)
 SIGN PANEL - TYPE 3, 36.25 SQ FT
 NOTE: TYPE ZZ SHEETING SHALL BE USED FOR ALL GREEN SIGN PANELS



3.0" Radius, 1.0" Border, White on Green;
 "E. Pleasant Hill Rd.", E Mod 2K;
 Table of widths and spaces

11.9	E	8.9	.	1.1	1.8	9.0	P	9.7	2.6	1.8	2.8	5.9	2.0	a	5.9	2.6	s	6.0	1.9	a	6.0	3.6	n	5.9	2.6	t	4.7	9.0	H	9.7	3.6	i	1.8	3.6	l	1.8	3.6	l	1.8	3.6	l	1.8	9.0	R	9.7	1.9	d	6.0	2.1	.	1.8	11.9
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STA 96+00.00 (ON MAST ARM)
 SIGN PANEL - TYPE 3, 27.5 SQ FT
 NOTE: TYPE ZZ SHEETING SHALL BE USED FOR ALL GREEN SIGN PANELS



3.0" Radius, 1.0" Border, White on Green;
 "Giant City Rd.", E Mod 2K;
 Table of widths and spaces

10.5	G	9.7	3.2	i	1.8	2.7	a	6.0	3.6	n	5.9	2.6	t	4.7	9.0	C	9.7	3.0	i	1.8	2.6	t	4.7	1.9	y	7.6	9.0	R	9.7	1.9	d	6.0	2.1	.	1.8	10.5
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HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors
 (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien
 PLOT SCALE = 40,000' / in.
 PLOT DATE = 10/3/2022

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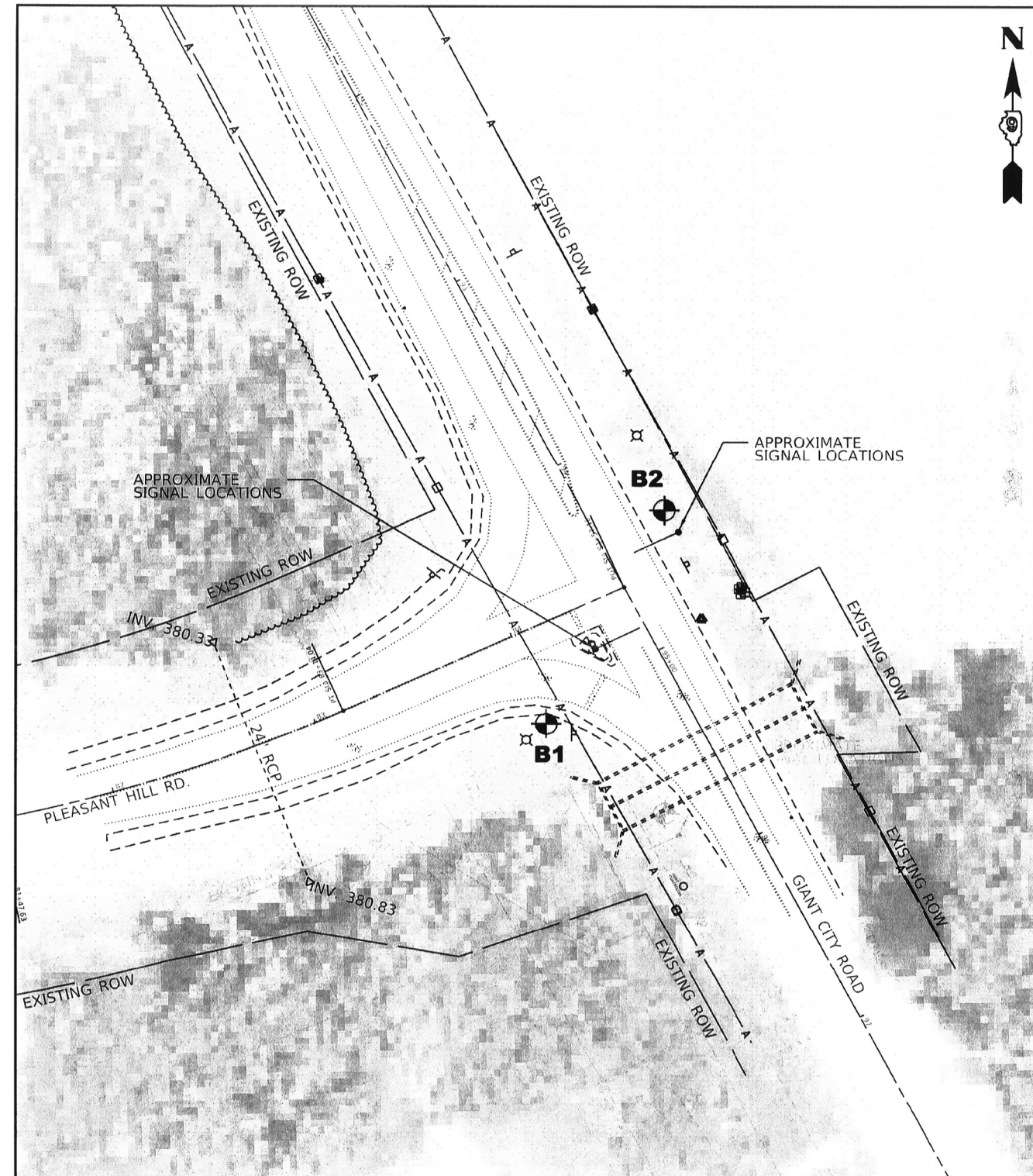
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**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**SIGN PANEL
 DETAILS**

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	28
CONTRACT NO. 99683			
ILLINOIS	FEDERAL AID PROJECT	BULQ(095)	



Project: Giant City/Pleasant Hill Road Safety Improvements Carbondale, Illinois Client: Jackson County Highway Department Murphysboro, Illinois	<h2 style="margin: 0;">Boring Location Diagram</h2>	<p style="text-align: center;">Project No. H-20182</p> <p style="text-align: center;"> North </p> <p style="text-align: center;">Not to Scale</p> <p style="text-align: center;">August 7, 2020</p>
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MODEL: Default
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 PROJECT: 19-00181-00-SP
 USER: mobrien
 DATE: 10/3/2022

HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers + Surveyors
 (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien	DESIGNED -	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/3/2022	CHECKED -	REVISED -
	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**JACKSON COUNTY
HIGHWAY DEPARTMENT**

SOIL BORING LOCATION DIAGRAM			
SCALE: N.T.S.	SHEET 1	OF 2 SHEETS	TO STA.

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	29
CONTRACT NO. 99683			
ILLINOIS FEDERAL AID PROJECT		BULQ(095)	

Bridge Foundation Boring Log

Project: H-20169 Street Giant City Road/Pleasant Hill Road Date: 8/7/2020
 Section: _____ Station _____
 Structure: _____ Bored by: J. Carter
 County: Jackson Checked By: T. Holcomb

Boring No: <u>1</u>	Elevation	N	Qu	tsf	w %	Surface Water Elev. _____	Elevation	N	Qu	tsf	w %
Station: _____						Ground Water Elev. _____					
Offset: _____						During Drilling <u>Dry</u>					
						Upon Completion <u>Dry</u>					

Ground Surface	0										
10" Crushed Stone											
Gray Mottled Brown Silty CLAY (A-6)											
		3	0.8B	23			-25				
	-5	5	1.2B	25							
Gray Silty CLAY (A-6)											
		5	1.5B	22			-30				
	-10	7	0.7B	23							
		3	0.7B	28			-35				
	-15	3	0.7B	26							
		6	1.1S	27			-40				
	-20	7	1.6B	26							
End of Boring @ -20.0'											

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
 Qu-Unconfined Compressive Strength in tons/sq.ft.
 w-Water Content-percentage of oven dry weight-%
 B = Bulge Failure
 S = Shear Failure
 E = Estimated Value
 P = Penetrometer

Bridge Foundation Boring Log

Project: H-20169 Street Giant City Road/Pleasant Hill Road Date: 8/7/2020
 Section: _____ Station _____
 Structure: _____ Bored by: J. Carter
 County: Jackson Checked By: T. Holcomb

Boring No: <u>2</u>	Elevation	N	Qu	tsf	w %	Surface Water Elev. _____	Elevation	N	Qu	tsf	w %
Station: _____						Ground Water Elev. _____					
Offset: _____						During Drilling <u>-8.5</u>					
						Upon Completion <u>Dry</u>					

Ground Surface	0										
4" Crushed Stone											
Gray Mottled Brown Silty CLAY (A-6)											
		7	1.1S	22			-25				
	-5	10	--	14							
Gray Silty CLAY (A-6)											
		3	0.2B	26			-30				
	-10	1	0.2B	31							
		3	0.9B	25			-35				
	-15	3	0.7B	25							
Gray Mottled Brown Silty CLAY (A-6)											
		2	0.4S	38			-40				
	-20	3	1.0S	42							
End of Boring @ -20.0'											

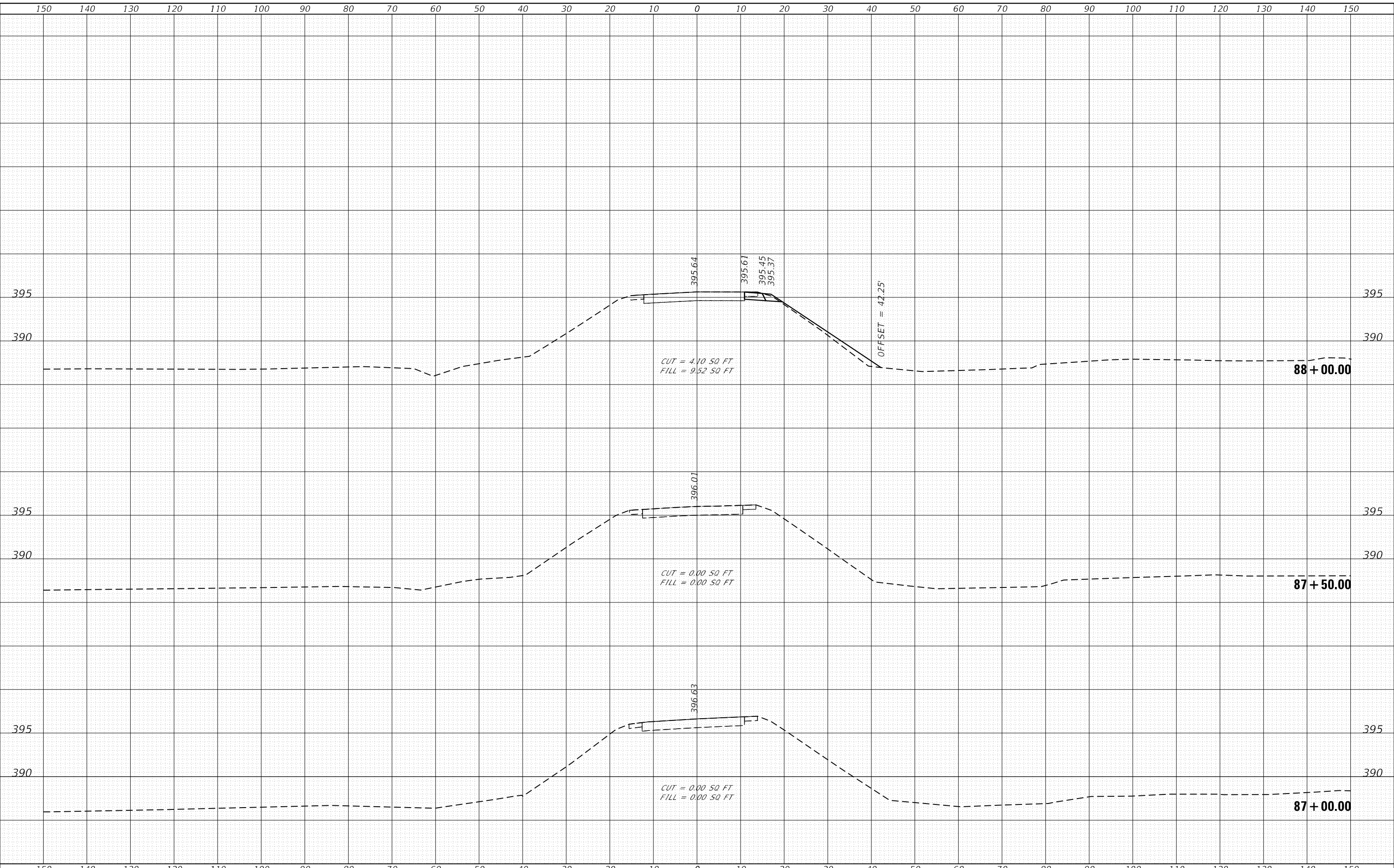
N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
 Qu-Unconfined Compressive Strength in tons/sq.ft.
 w-Water Content-percentage of oven dry weight-%
 B = Bulge Failure
 S = Shear Failure
 E = Estimated Value
 P = Penetrometer

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 PROJECT: 19-00181-00-SP
 SHEET: 30 of 30
 DATE: 10/3/2022

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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HMG HMG ENGINEERS, INC.
 9360 HOLY CROSS LANE
 BREESE, ILLINOIS 62230
 Engineers • Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/3/2022	DATE -	REVISED -

**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 GIANT CITY ROAD**

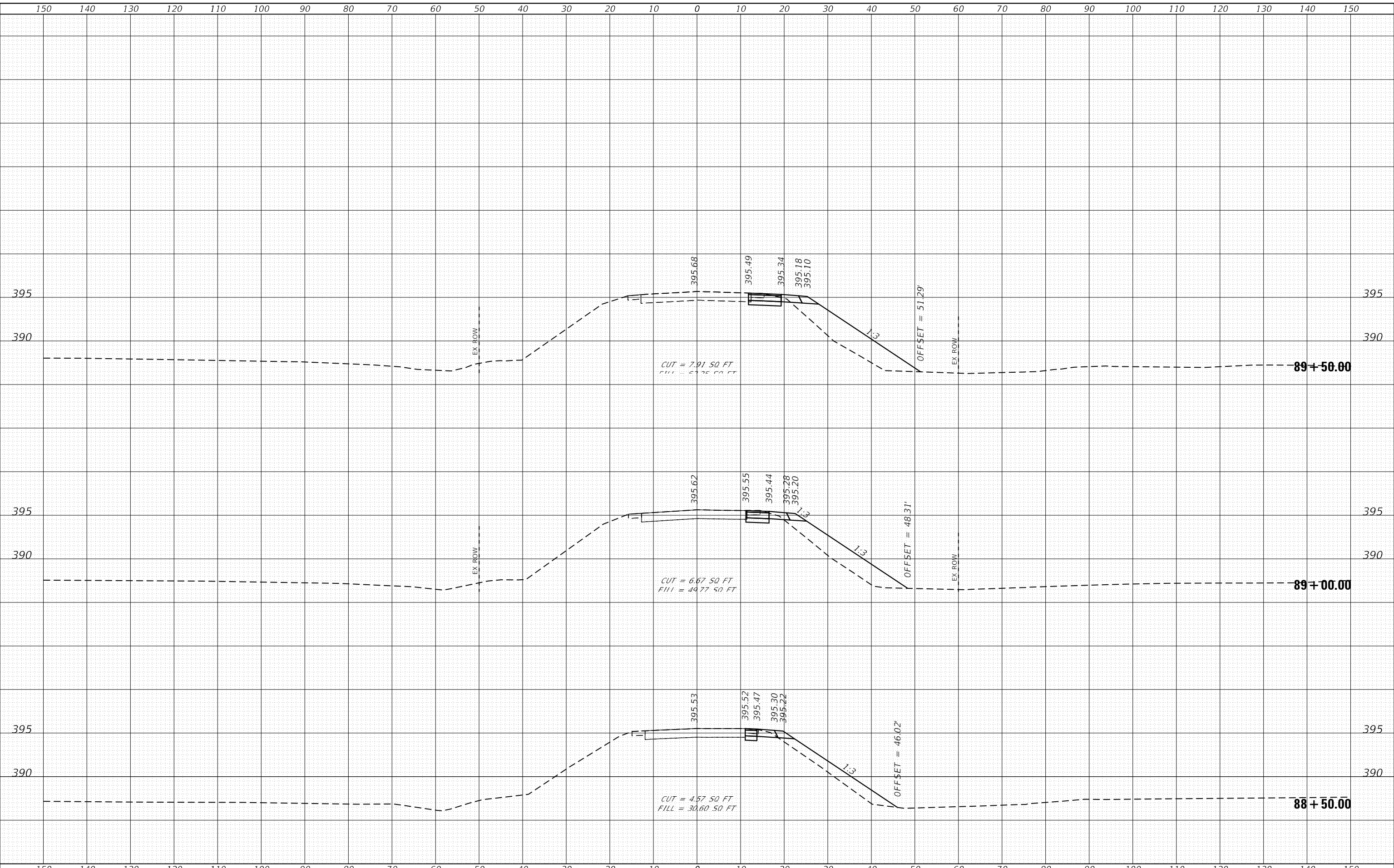
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PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	31
CONTRACT NO. 99683		ILLINOIS	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME =	mobrien
DESIGNED -	
DRAWN -	
CHECKED -	
DATE -	
PLOT SCALE =	20.0000' / in.
PLOT DATE =	10/3/2022

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 GIANT CITY ROAD**

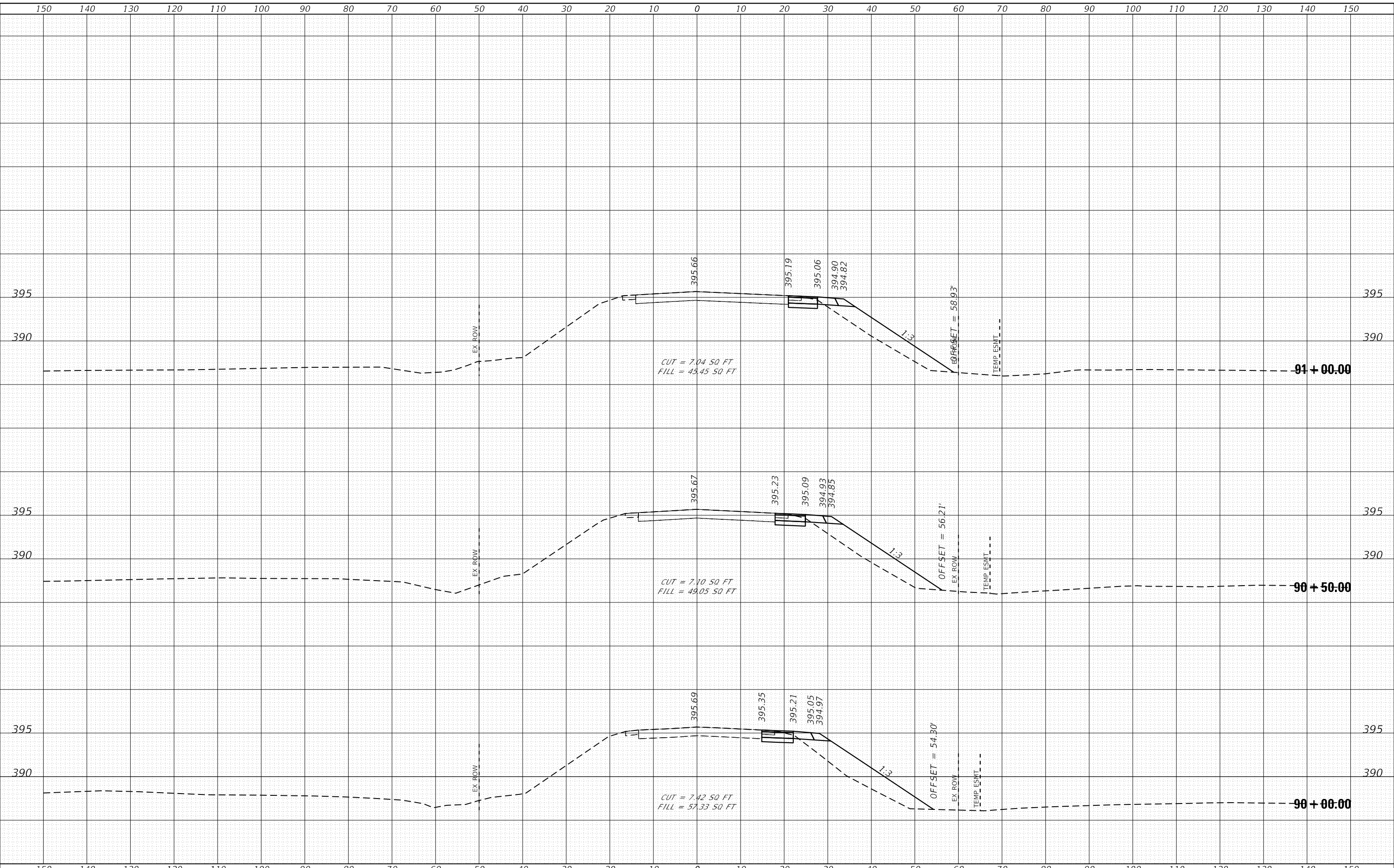
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PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	32
CONTRACT NO. 99683		ILLINOIS	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

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USER NAME = mobrien
PLOT SCALE = 20.0000' / in.
PLOT DATE = 10/3/2022

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 GIANT CITY ROAD**

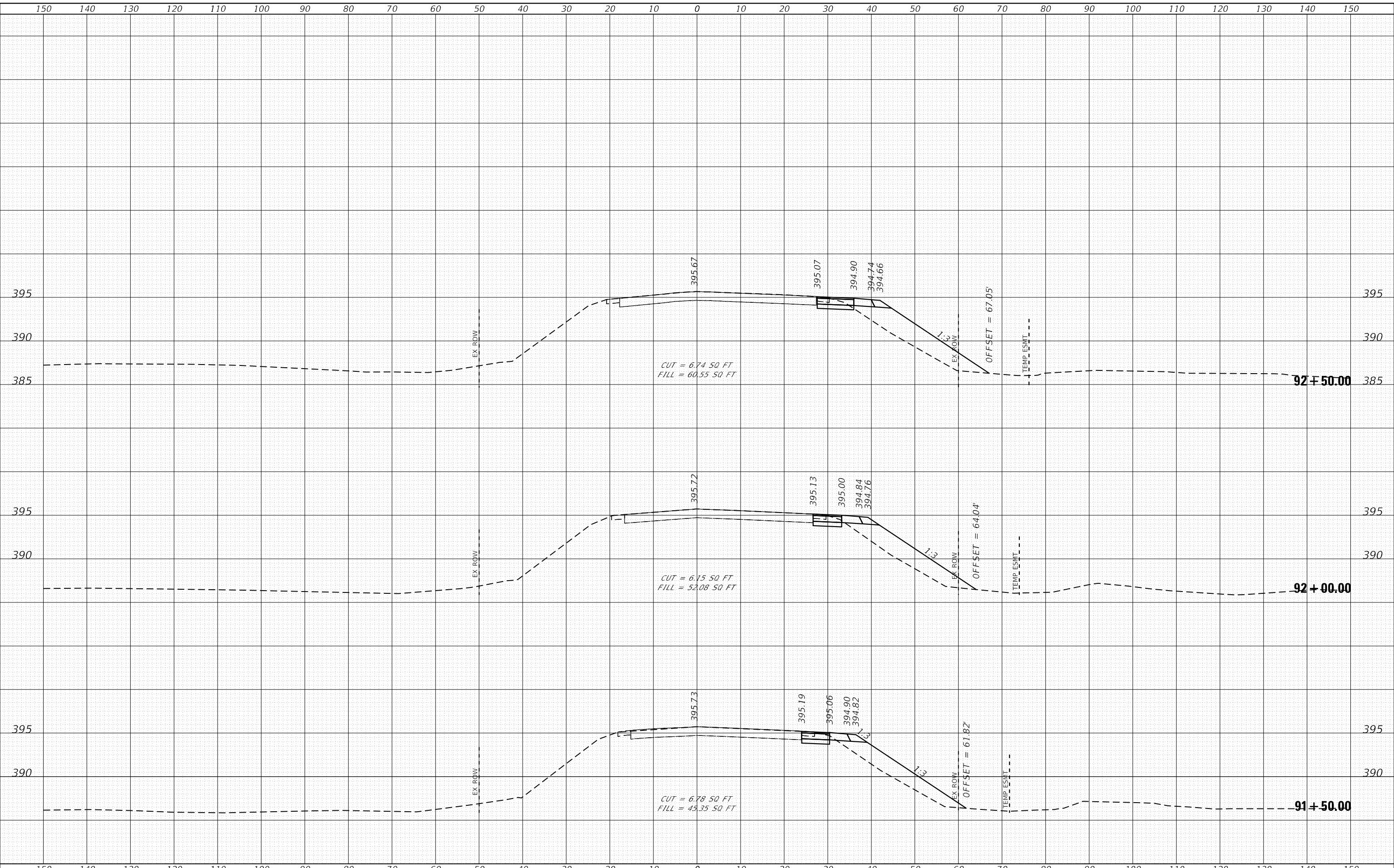
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PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	33
CONTRACT NO. 99683		ILLINOIS	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME =	mobrien
DESIGNED -	
DRAWN -	
CHECKED -	
DATE -	
PLOT SCALE =	20.0000' / in.
PLOT DATE =	10/3/2022

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 GIANT CITY ROAD**

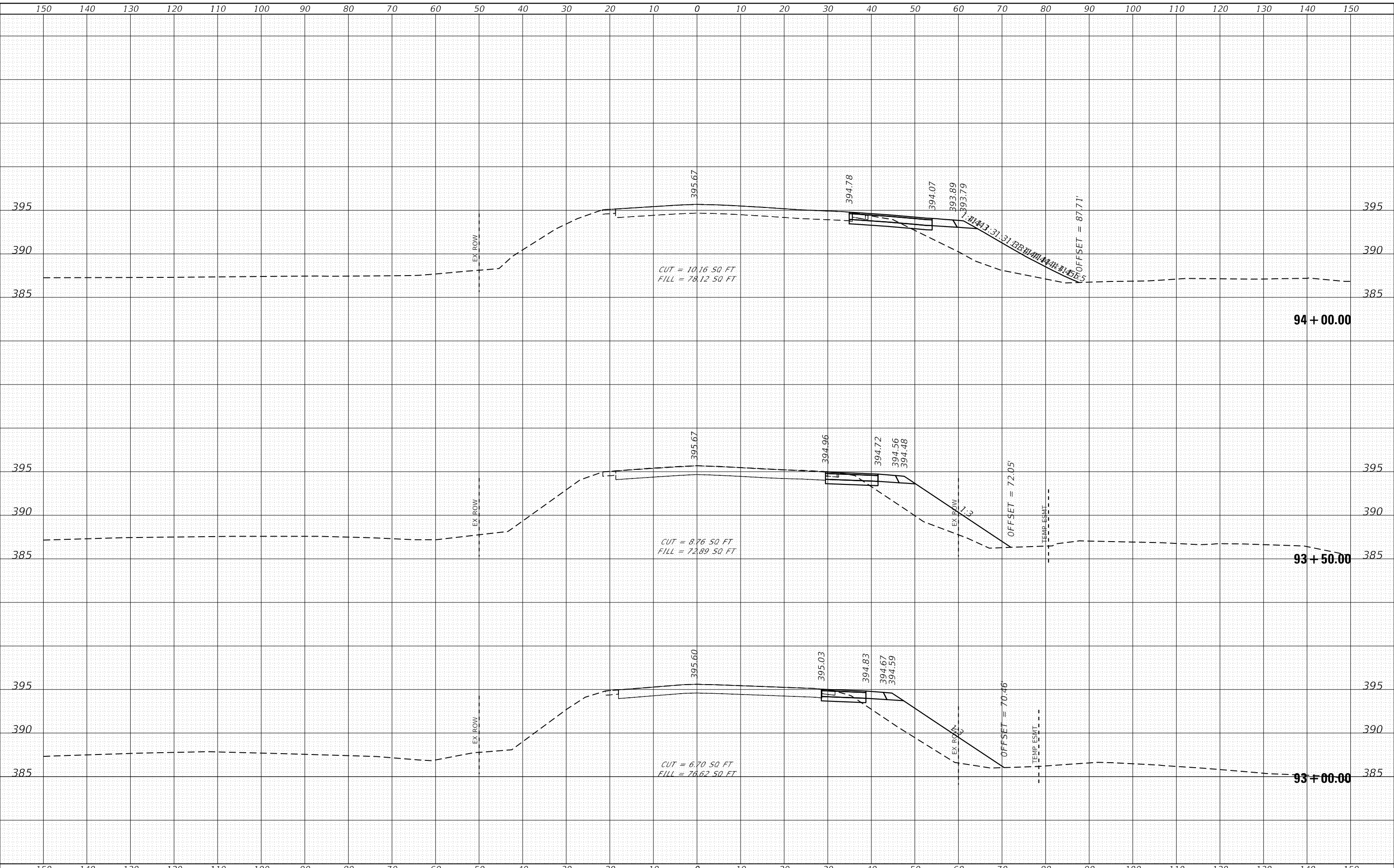
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PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	34
CONTRACT NO. 99683		ILLINOIS	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
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	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	
	AREAS CHECKED	

MODEL: Definit
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 USER: mobrien



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USER NAME = mobrien	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/3/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 GIANT CITY ROAD**

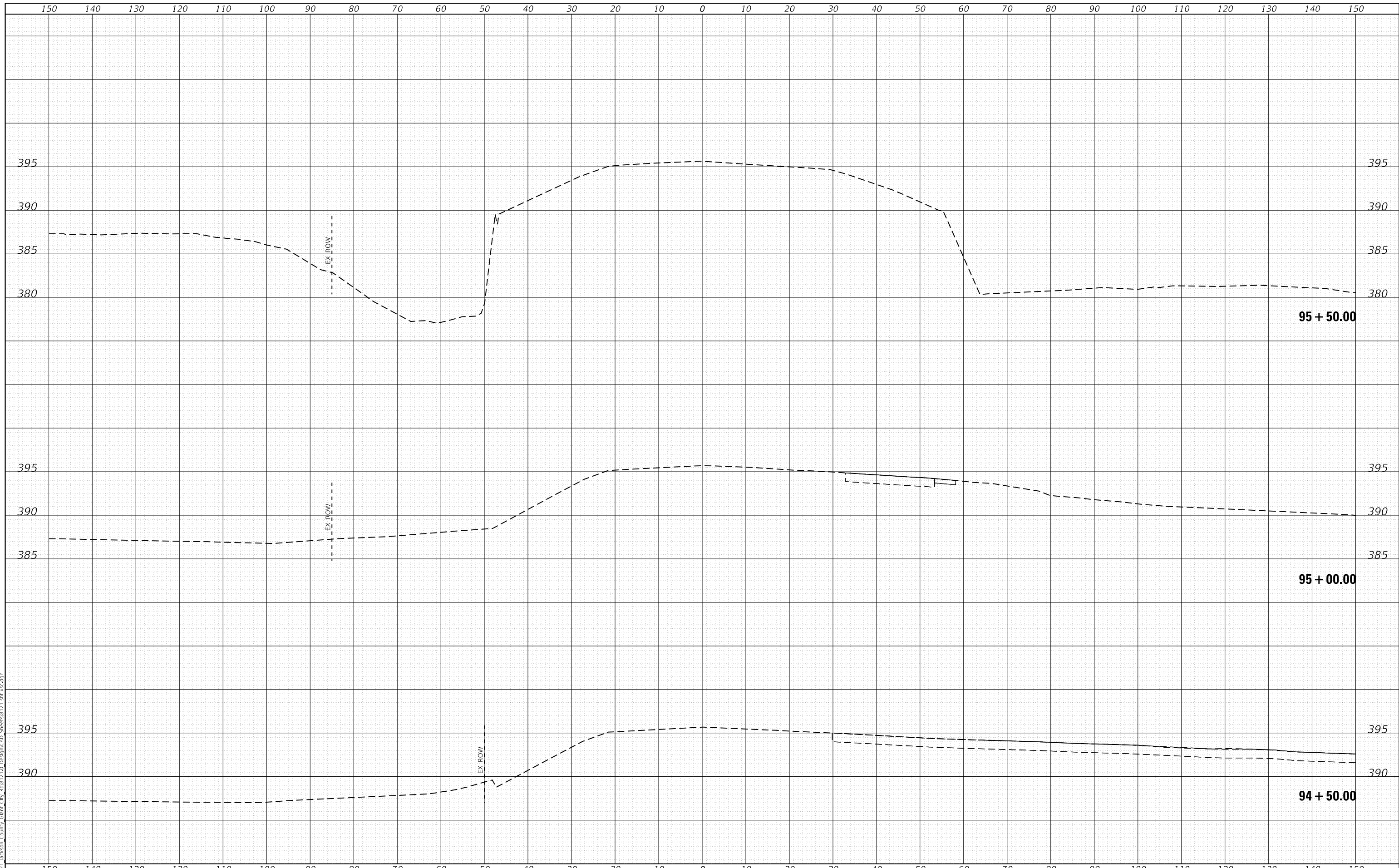
SCALE: 1:5V:1:10H SHEET 5 OF 7 SHEETS STA. 93+00.00 TO STA. 94+00.00

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	35
		CONTRACT NO. 99683	
ILLINOIS			

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NO.	
NOTE BOOK NO.	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY NO.	
NOTE BOOK NO.	
AREAS CHECKED	

MODEL: Definit
 FILE NAME: 19-0181-00-SP-19-0181-00-SP-19-0181-00-SP-19-0181-00-SP.dwg
 PROJECT: Jackson County Giant City Rd
 SHEETS: 37 OF 36



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 Engineers • Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME = mobrien	DESIGNED -	REVISED -
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
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**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 GIANT CITY ROAD**

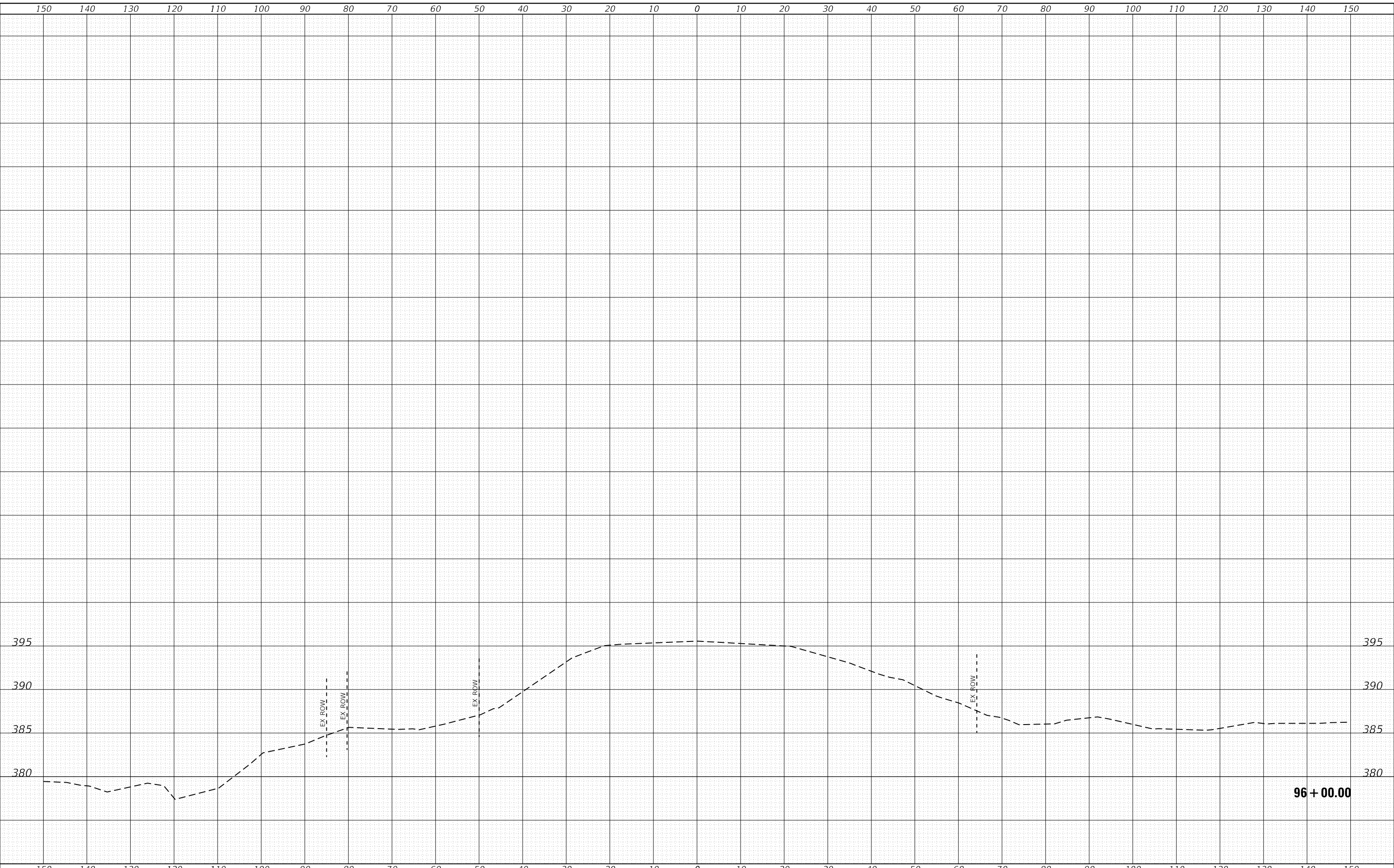
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PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	36
CONTRACT NO. 99683		ILLINOIS	

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

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 Engineers • Surveyors (618) 526-9611
 IL PROF. DESIGN FIRM NO. 184.000899

USER NAME =	mobrien
DESIGNED -	REVISIED -
DRAWN -	REVISIED -
PLOT SCALE =	20.0000 ' / in.
CHECKED -	REVISIED -
DATE -	REVISIED -
PLOT DATE =	10/3/2022

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**JACKSON COUNTY
 HIGHWAY DEPARTMENT**

**CROSS SECTIONS
 GIANT CITY ROAD**

SCALE: 1:5V:1:10H SHEET 7 OF 7 SHEETS STA. 96+00.00 TO STA. 96+00.00

PROJECT	COUNTY	TOTAL SHEETS	SHEET NO.
SECTION 19-00181-00-SP	JACKSON	37	37
CONTRACT NO. 99683		ILLINOIS	