

126

04-24-2020 LETTING ITEM 126

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F & P R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	1
		LANDS	CONTRACT NO. 62G85	

D-91-347-18



FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED
HIGHWAY PLANS**
FAP 531: MANHATTAN-MONEE ROAD OVER UNNAMED DITCHES
0.25 AND 2.94 MILES WEST OF US 45
SECTION 2018-063-CR&D
PROJECT STP-TWID(341)
CULVERT REMOVAL & REPLACEMENT
WILL COUNTY
C-91-272-18

TRAFFIC DATA:

MANHATTAN-MONEE ROAD

EXISTING ADT = 4,000 (2016)
POSTED SPEED = 55 MPH

FUNCTIONAL CLASSIFICATION

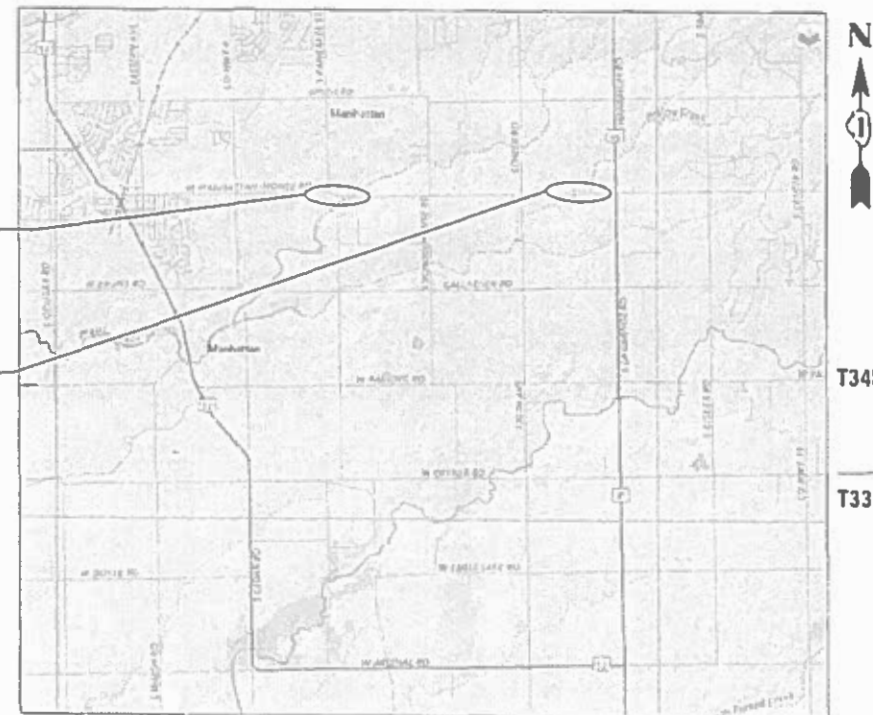
MINOR ARTERIAL

PROJECT IS LOCATED IN GREEN
GARDEN & MANHATTAN TOWNSHIPS

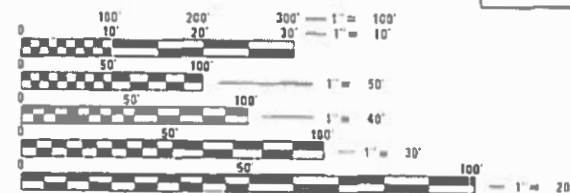
MANHATTAN TOWNSHIP GREEN GARDEN TOWNSHIP
R11E | R12E

WEST SITE: MANHATTAN-MONEE RD
STA. 14+77 TO 26+00
EXISTING S.N. 099-0450
PROPOSED S.N. 099-0931

EAST SITE: MANHATTAN-MONEE RD
STA 59+00 TO 72+50
EXISTING S.N. 099-0441



WILTON TOWNSHIP | PEOTONE TOWNSHIP



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 EXCAVATORS
1-800-892-0123
OR 811

PROJECT MANAGER: FAWAD AQUEEL, PE, PTOE (847)705-4247
PROJECT ENGINEER: PRAVEEN KAINI, PE (847)705-4237

CONTRACT NO. 62G85

GROSS LENGTH OF PROJECT = 2473 FT. = 0.47 MILE
NET LENGTH OF WEST SITE = 1123 FT. = 0.21 MILE
NET LENGTH OF EAST SITE = 1350 FT. = 0.26 MILE



QUIGG ENGINEERING
SHEETS 11-13, 15-18, 21-23
28, 36, 66-72

DATE: 9/6/2019
R. LICENSED PROFESSIONAL
LICENSE EXPIRES ON 11/30/2021

QUIGG ENGINEERING
SHEETS 45-48

DATE: 9/6/2019
R. LICENSED PROFESSIONAL
LICENSE EXPIRES ON 11/30/2020

ACCURATE GROUP
SHEETS 14, 19-20, 23-26, 28-34,
36-37, 73-87

DATE: 9/6/19
R. LICENSED PROFESSIONAL
LICENSE EXPIRES ON 11/30/2021

ACCURATE GROUP
SHEETS 50-57

DATE: 9/6/19
R. LICENSED PROFESSIONAL
LICENSE EXPIRES ON 11/30/2020

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 27, 2020

Anthony J. Dwyer REGIONAL ENGINEER

March 20, 2020 Sec. A. Etk

March 20, 2020 James M. Jones 13
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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STATE STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-04	NAME PLATE FOR BRIDGES
542001-06	CONCRETE END SECTION FOR PIPE CULVERTS 15" (375 mm) THRU 84" (2100mm) DIA.
542311-07	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTIONS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
630001-12	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
642006	SHOULDER RUMBLE STRIPS, 8 IN.
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
886001-01	DETECTOR LOOP INSTALLATIONS

COMMITMENTS

NONE

GENERAL NOTES (CONTINUED):

THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) and USE/WASTE REVIEW(BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION II.G.1 AND 2 of the SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

GENERAL NOTES:

THESE PLANS HAVE BEEN PREPARED FROM INFORMATION ACQUIRED FROM EXISTING PLANS AND NOTES RECEIVED FROM IDOT FIELD MAINTENANCE ENGINEERS.

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO VARIATIONS FOUND IN THE FIELD. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. ANY ADJUSTMENTS PROPOSED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED BASED UPON THE UNIT PRICE.

FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION, THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) OR 811 FOR LOCATIONS OF THE EXISTING UTILITIES.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING CONSTRUCTION.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR FOR ARTERIALS AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AT LEAST 72 HOURS PRIOR TO BEGINNING WORK.

THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, IDOT'S AREA FIELD ENGINEER, VIA E-MAIL ATT ERIC.CAMPOS@ILLINOIS.GOV A MINIMUM OF TOW (2) WEEKS PRIOR TO THE PLACMENT OF PERMANENT PAVEMENT MARKINGS.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

ACCESS SHALL BE PROVIDED AT ALL TIMES TO PROPERTIES ABUTTING THE PROPOSED IMPROVEMENT.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.

THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) PERMIT THAT WILL BE SECURED BY THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED WITH THE EXCEPTION OF COFFERDAMS WHICH WILL BE PAID FOR AS COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK) WITH A BASIS OF PAYMENT OF EACH.

THE CONTRACTOR SHALL REMOVE THE "WEIGHT LIMIT" SIGNS (2) AFTER CONSTRUCTION IS COMPLETE AND APPROVAL IS RECEIVED BY THE RESIDENT ENGINEER. THE RESIDENT ENGINEER SHALL CONTACT BRIDGE MAINTENANCE ENGINEER AT (847) 705-4180 A MINIMUM OF 2 WEEKS PRIOR TO REMOVAL OF THE SIGN.

MODEL: D:\p\it FILE NAME: S:\2018\1811\042-AES IDOT_PTB_185-02\W015-62GB5-Manhattan_Monee\CADD\CADD_Sheets\02-D\62GB5-sh-egenrate.dgn



USER NAME = makrent	DESIGNED - MO	REVISED -
DRAWN - TOM	CHECKED - JA	REVISED -
PLOT SCALE = 2.0000' / in.	DATE - 1/7/2020	REVISED -
PLOT DATE = 1/24/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

**MANHATTAN-MONEE RD
INDEX OF SHEETS, STATE STANDARDS
GENERAL NOTES AND COMMITMENTS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	2
				CONTRACT NO. 62GB5
		ILLINOIS	FED. AID PROJECT	

REV-SEP

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED, 20% STATE		
				WEST	EAST	
				ROADWAY 0004	BOX CULVERT 0004	BOX CULVERT 0004
				S. N. 099-0931	S. N. 099-0441	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	14	14		
20101100	TREE TRUNK PROTECTION	EACH	3			3
20101200	TREE ROOT PRUNING	EACH	3			3
20200100	EARTH EXCAVATION	CU YD	3539	1973		1566
20800150	TRENCH BACKFILL	CU YD	243	243		
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	45		45	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	972	386		586
21400100	GRADING AND SHAPING DITCHES	FOOT	357	357		
25000300	SEEDING, CLASS 3	ACRE	2	1		1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	159	65		94
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	159	65		94
25100115	MULCH, METHOD 2	ACRE	2	1		1
25100630	EROSION CONTROL BLANKET	SQ YD	8911	3821		5090
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	325	220		105

* SPECIALTY ITEMS

REV-SEP

MODEL NUMBER
FILE NAME: 311213



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	DRAWN - TOM	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JA	REVISED -
PLOT DATE = \$DATE\$	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	3
CONTRACT NO. 62G85			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED, 20% STATE		
				WEST		EAST
				ROADWAY 0004	BOX CULVERT 0004	BOX CULVERT 0004
				S. N. 099-0931	S. N. 099-0441	
28000305	TEMPORARY DITCH CHECKS	FOOT	220	150	70	
28000315	AGGREGATE DITCH CHECKS	TON	38	13	25	
28000400	PERIMETER EROSION BARRIER	FOOT	4442	2908	1534	
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	17822	7642	10180	
28100107	STONE RIPRAP, CLASS A4	SQ YD	232	10	164	
28200200	FILTER FABRIC	SQ YD	232	10	164	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	134	89	45	
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	3009	2650	359	
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	2	2		
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	23		23	
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	58		58	
35501315	HOT-MIX ASPHALT BASE COURSE, 7 3/4"	SQ YD	208	208		
35600707	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4"	SQ YD	394	394		
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	24		24	

* SPECIALTY ITEMS

REV-SEP

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FILE NAME: \$FILE\$



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PLOT DATE = \$DATE\$	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	4
			CONTRACT NO. 62G85	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED, 20% STATE		
				WEST	EAST	
				ROADWAY 0004	BOX CULVERT 0004	BOX CULVERT 0004
				S.N. 099-0931	S.N. 099-0441	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4317	4155		162
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	11	11		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	191	191		
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	176	176		
40604060	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50	TON	7			7
40604062	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	TON	294	294		
44000100	PAVEMENT REMOVAL	SQ YD	432	432		
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	1387	1387		
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	2850	2850		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	42			42
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	1943	1641		302
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1	
50102400	CONCRETE REMOVAL	CU YD	19.7			19.7
50105220	PIPE CULVERT REMOVAL	FOOT	75	45		30

* SPECIALTY ITEMS

REV-SEP

MODEL NUMBER
FILE NAME: 311213



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	5
			CONTRACT NO. 62G85	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED, 20% STATE		
				WEST	EAST	
				ROADWAY 0004	BOX CULVERT 0004	BOX CULVERT 0004
				S. N. 099-0931	S. N. 099-0441	
50200100	STRUCTURE EXCAVATION	CU YD	185		152	33
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	134		89	45
50300225	CONCRETE STRUCTURES	CU YD	12.9			12.9
50500505	STUD SHEAR CONNECTORS	EACH	234			234
50800105	REINFORCEMENT BARS	POUND	12790		12790	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	10590		3920	6670
51500100	NAME PLATES	EACH	1		1	
52200010	TEMPORARY SHEET PILING	SQ FT	730			730
52200015	PERMANENT SHEET PILING	SQ FT	2201			2201
54003000	CONCRETE BOX CULVERTS	CU YD	106.6		79.1	27.5
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	44	44		
5421C012	PIPE CULVERTS, CLASS C, TYPE 1 12" (TEMPORARY)	FOOT	18			18
5421C036	PIPE CULVERTS, CLASS C, TYPE 1 36" (TEMPORARY)	FOOT	30			30
54260315	TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION	FOOT	26	26		

* SPECIALTY ITEMS

REV-SEP

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	6
			CONTRACT NO. 62G85	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED, 20% STATE		
				WEST		EAST
				ROADWAY 0004	BOX CULVERT 0004	BOX CULVERT 0004
				S. N. 099-0931	S. N. 099-0441	
54261330	CONCRETE END SECTION, STANDARD 542001, 30", 1:3	EACH	1	1		
54261430	CONCRETE END SECTION, STANDARD 542001, 30", 1:4	EACH	1	1		
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	83		50	33
58700300	CONCRETE SEALER	SO FT	704		90	614
59100100	GEOCOMPOSITE WALL DRAIN	SO YD	129		87	42
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	12			12
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1645	182		1463
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	100			100
* 63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	32	32		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	7	4		3
63200310	GUARDRAIL REMOVAL	FOOT	1529	325		1204
* 64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	2294	2019		275
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1960	1077		883
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	2		1

* SPECIALTY ITEMS

REV-SEP

MODEL - \$MODELNAME\$
FILE NAME - \$FILE\$



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	DRAWN - TOM	REVISED -
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PLOT DATE = \$DATE\$	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	7
			CONTRACT NO. 62G85	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED, 20% STATE		
				ROADWAY	BOX CULVERT	BOX CULVERT
				0004	0004	0004
					S. N. 099-0931	S. N. 099-0441
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	0.5		0.5
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	0.5		0.5
* 66901006	REGULATED SUBSTANCES MONITORING	DAYS	15	9		6
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	6		6
67100100	MOBILIZATION	L SUM	1	0.5		0.5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	440	440		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	440	440		
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	4283	4283		
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	24	24		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	7	4		3
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3490	2990		500
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	24	24		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	64	64		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	36	8		28

* SPECIALTY ITEMS

REV-SEP

MODEL NUMBER
FILE NAME: 31113



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	8
CONTRACT NO. 62G85			ILLINOIS FED. AID PROJECT	

MODEL: D:\p\h\it
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CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED, 20% STATE		
				WEST		EAST
				ROADWAY 0004	BOX CULVERT 0004	BOX CULVERT 0004
				S.N. 099-0931	S.N. 099-0441	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	64	64		
* X0326898	CENTER LINE - RUMBLE STRIP - 16"	FOOT	1123	1123		
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	120		78	42
X0900075	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1		1	
X2502024	SEEDING, CLASS 4B (MODIFIED)	ACRE	1.1	0.1		1.0
X2840105	GABION REMOVAL	CU YD	29			29
* X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	60			60
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1476		1476	
* X7800815	HOT SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH	FOOT	1293		1293	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5		0.5
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103		
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	1334	1334		
Ø Z0076600	TRAINEES	HOUR	500	500		
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		

Ø 0042

* SPECIALTY ITEMS

REV-SEP



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PLOT DATE = 1/27/2020	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
SUMMARY OF QUANTITIES

SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	9
CONTRACT NO. 62GB5			ILLINOIS FED. AID PROJECT	

REV. - MS

LANDSCAPING AND EROSION SCHEDULE											
	STATION	STATION	OFFSET	25000300 SEEDING, CLASS 3 (ACRE)	X2502024 SEEDING, CLASS 4B MODIFIED (ACRE)	21101505 TOPSOIL EXCAVATION AND PLACE (CU YD)	25000400 NITROGEN FERTILIZER NUTRIENT (POUND)	25000600 POTASSIUM FERTILIZER NUTRIENT (POUND)	25100630 EROSION CONTROL BLANKET (SQ YD)	28000250 TEMPORARY EROSION CONTROL SEEDING (POUND)	28001100 TEMPORARY EROSION CONTROL BLANKET (SQ YD)
MANHATTAN-MONEE ROAD	14+77	26+00	BOTH	0.5	0.1	274	46	46	2716	150	5432
KANKAKEE ST	45+89	49+88	BOTH	0.3		112	19	19	1105	70	2210
MANHATTAN-MONEE ROAD	59+50	69+90	RT	0.9	0.9	479	81	81	4392	91	8784
MANHATTAN-MONEE ROAD	70+03	72+00	RT	0.1	0.1	107	13	13	698	14	1396
ROUNDED TOTAL				1.8	1.1	972	159	159	8911	325	17822

DITCH CHECKS		
STATION	OFFSET	28000305 TEMPORARY DITCH CHECKS (FOOT)
MANHATTAN-MONEE ROAD (SN: 099-0931)		
15+00	27.5' LT	10
15+00	25.5' RT	10
16+50	25.5' LT	10
16+50	26.0' RT	10
18+00	26.5' LT	10
18+00	25.5' RT	10
19+54	33.0' LT	10
21+00	23.5' LT	10
22+50	25.0' RT	10
60+00	35.0' RT	10
61+50	35.0' RT	10
63+00	35.0' RT	10
64+50	35.0' RT	10
66+00	25.0' RT	10
67+50	35.0' RT	10
69+00	35.0' RT	10
S KANKAKEE STREET		
46+29	32.5' LT	10
46+29	29.0' RT	10
47+80	30.0' LT	10
47+80	21.0' RT	10
49+29	23.0' RT	10
49+30	34.0' LT	10
TOTAL		220

PERIMETER EROSION BARRIER SCHEDULE			
STATION	STATION	OFFSET (LT/RT)	28000400 PERIMETER EROSION BARRIER (FOOT)
MANHATTAN-MONEE ROAD (SN: 099-0931)			
14+77	18+25	37' LT	348
14+77	19+15	33' RT	438
18+25		32'-37' LT	5
18+25	19+00	32' LT	75
19+00		32'-44' LT	12
19+00	19+83	44' LT	83
19+15		33' RT-84' RT	98
19+83		32'-44' LT	12
19+83	21+75	32'-32' LT	192
20+54	22+75	33' LT	221
21+75		32'-38' LT	6
21+75	24+25	38' LT	250
22+75		33'-40' LT	7
22+75	24+25	47.5'-40' LT	150
24+25		33.5'-38.5' LT	5
24+25		32.7'-37.5' LT	5
24+25	26+00	33.5' LT	175
24+25	26+00	32.5'-32' RT	175
MANHATTAN-MONEE ROAD (SN: 099-0441)			
59+21	69+84	54' RT	1063
69+50	70+00	41' LT	50
69+84		54'/59' RT	5
69+84	69+88	59' RT	5
70+02	70+09	59' RT	7
70+09		59'/54' RT	5
70+09	71+25	54' RT	116
70+15	70+55	29' LT	40
70+73	71+63	29' LT	90
71+23		54'/29' RT	25
71+23	72+51	29' RT	128
S KANKAKEE STREET			
45+89		33'-53' LT	20
45+89	46+38.5	53' LT	50
46+38.5		53'-38' LT	15
46+38.5	49+21	38' LT	282
47+27	49+60	33' RT	284
TOTAL			4442

AGGREGATE DITCH CHECKS		
STATION	OFFSET	28000315 AGGREGATE DITCH CHECKS (TON)
MANHATTAN-MONEE ROAD (SN: 099-0931)		
19+41	25' LT	13
MANHATTAN-MONEE ROAD (SN: 099-0441)		
70+25	30' RT	13
70+88	26' LT	12
TOTAL		38

GUARDRAIL AND TRAFFIC BARRIER TERMINAL SCHEDULE										
STA. TO STA.	OFFSET/SIDE	63100167 TR BAR TRM T1 SPL TAN (EACH)	63000001 SPBGR TY A 6 FT POSTS (FOOT)	63000030 SPBGR ATT TO CULVERT (FOOT)	63000003 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS (FOOT)	X6330725 SPBGR (SHORT RADIUS) (FOOT)	72501000 TERMINAL MARKER DIRECT APPLIED (EACH)	78200005 GUARDRAIL REFLECTORS, TYPE A (EACH)	63200310 GUARDRAIL REMOVAL (FOOT)	POINT OF NEED
22+43.69	22+93.69	LT	1				1			22+56.19
22+93.69	23+43.69	LT		50						
23+43.69	23+59.31	LT			16			4		
23+59.31	24+53.06	LT		94						
24+53.06	25+03.06	LT	1				1			24+90.56
22+76	24+26	N							150	
22+68.69	23+18.69	RT	1				1			22+81.19
23+18.69	23+43.69	RT		25						
23+43.69	23+59.31	RT			16			4		
23+59.31	23+71.81	RT		13						
23+71.81	24+21.81	RT	1				1			24+09.31
22+40	24+15	RT							175	
60+08	70+45.5	15' LT		1037.5		15		14		
68+36	69+73.5	16' RT	1	137.5		15	1	4		67+98.5
70+20	71+20	15' RT	1		100	15	1	4		71+57.5
70+86	73+23.5	15' LT	1	237.5		15	1	4		73+62.5
68+38	69+90	15' RT							163	
60+08	70+49	13' LT							1041	
69+82	69+82	24.5' LT		25				1		
70+11	70+11	23.5' LT		25				1		
TOTALS			7	1645	32	100	7	36	1529	

PAVEMENT MARKING SCHEDULE					
STATION	STATION	SIDE	78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (FOOT)	78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (FOOT)	X7800815 HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING LINE - 4 INCH (FOOT)
			(YELLOW)	(WHITE)	(YELLOW)
MANHATTAN-MONEE ROAD					
14+77.00	19+70.00	LT/RT		986	623
19+70.00	20+70.00	LT/RT		100	
20+70.00	26+00.00	LT/RT		1060	670
67+00.00	72+00.00	RT		500	
KANKAKEE ST.					
47+77.25	49+88.00	LT/RT	422	422	24
TOTAL			422	3068	1293

SUMMARY OF EARTH WORK SCHEDULE						
	STATION	STATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE(-)
MANHATTAN-MONEE ROAD	14+77	26+00	1523	1295	166	1129
KANKAKEE ST	45+89	49+88	450	383	24	359
MANHATTAN-MONEE ROAD	60+00	74+00	1566	1331	49.5	1281.5
TOTAL			3539	3009	239.5	2769.5

PAVING SCHEDULE													
	STATION	STATION	35501315 HOT-MIX ASPHALT BASE COURSE 7 1/4" (SQ YD)	35600707 HOT-MIX ASPHALT BASE COURSE WIDENING, 7 1/4" (SQ YD)	40604062 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5 N70 (TON)	40603200 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 (TON)	40603085 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (TON)	40600290 BITUMINOUS MATERIALS (TACK COAT) (POUND)	48203029 HOT-MIX ASPHALT SHOULDERS, 8" (SQ YD)	40604060 HOT-MIX ASPHALT SURFACE COURSE, MIX "D" IL-9.5, N50 (TON)	35501308 HOT-MIX ASPHALT BASE COURSE 6" (TON)	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" (SQ YD)	35101500 AGGREGATE BASE COURSE, TYPE B (CU YD)
MANHATTAN-MONEE ROAD	14+77	26+00	208	356	238	142	90	3454	1412			2198	
KANKAKEE ST	45+89	49+88		38	56	34	101	701	229			452	
MANHATTAN-MONEE ROAD	69+96 (RT)							26		7	58	359	23
	67+00 (RT)	72+00 (RT)						136	302				
TOTAL			208	394	294	176	191	4317	1943	7	58	3009	23

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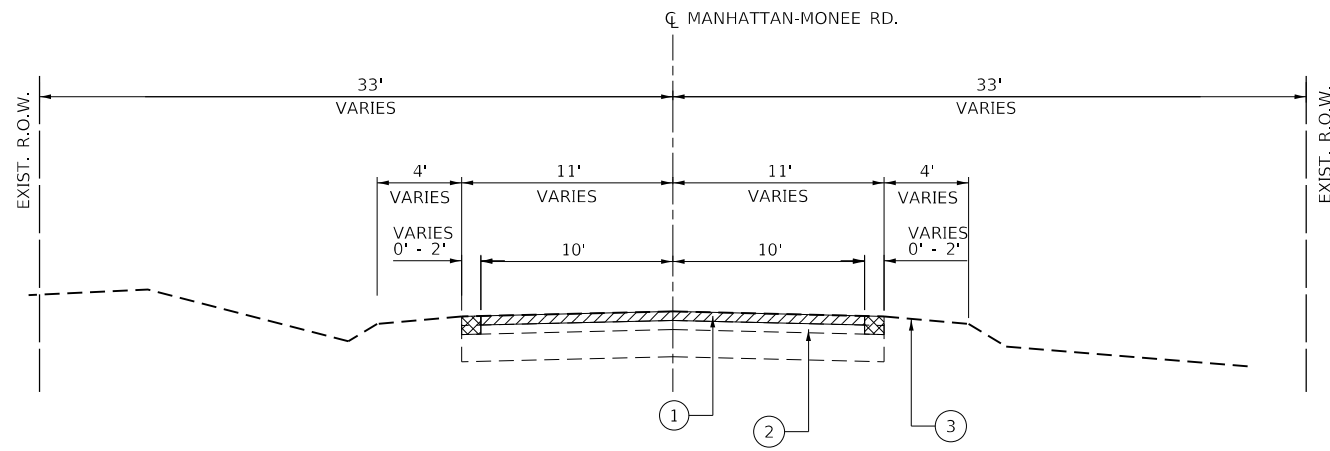
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

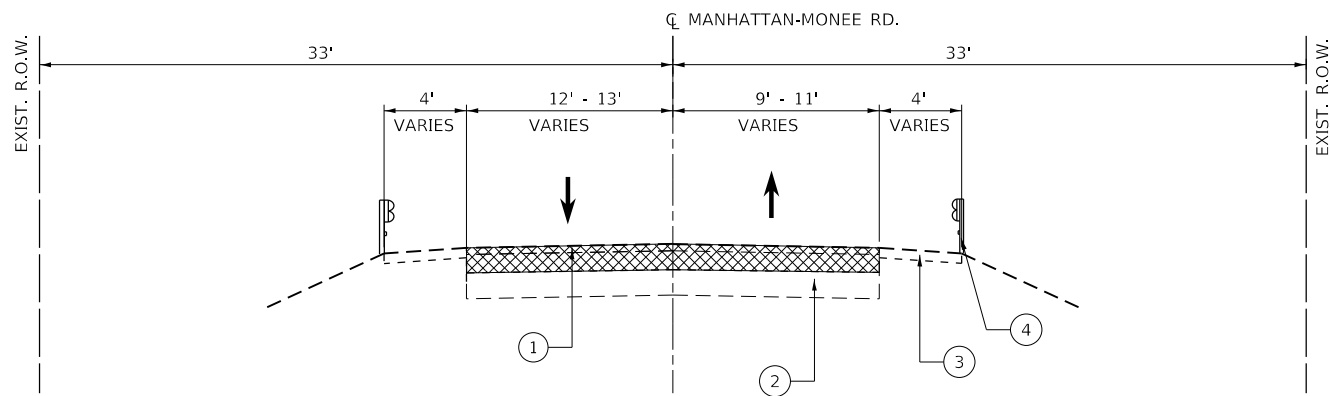
MANHATTAN-MONEE RD
SCHEDULE OF QUANTITIES

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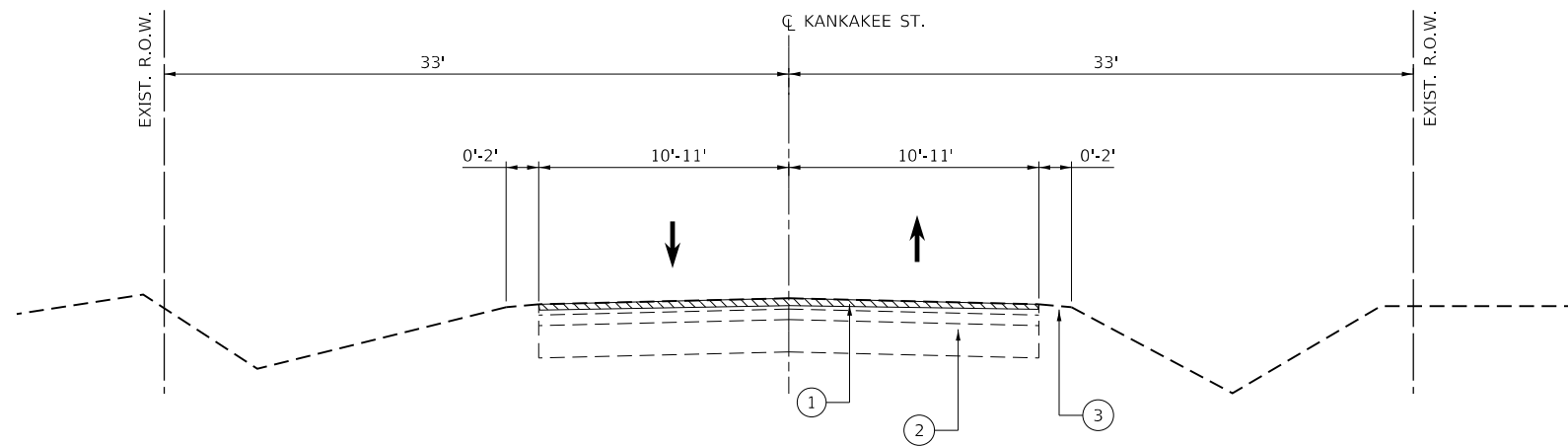
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	10
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



LOOKING EAST
EXISTING TYPICAL CROSS SECTION
STATION 14+77 TO STATION 22+75
STATION 24+50 TO STATION 26+00



LOOKING EAST
EXISTING TYPICAL CROSS SECTION
STATION 22+75 TO STATION 24+50



LOOKING NORTH
EXISTING TYPICAL CROSS SECTION
STATION 48+00 TO STATION 49+88

LEGEND

- ① EXIST. BITUMINOUS PAVEMENT
- ② EXIST. CONCRETE PAVEMENT
- ③ EXIST. AGG. SHOULDER
- ④ EXIST. GUARD RAIL - TO BE REMOVED

- HMA SURFACE REMOVAL, 2 1/4" (DEPTH MAY VARY DEPENDING UPON SE CORRECTION NEEDED - INCLUDED IN COST OF REMOVAL)
- HMA SURFACE REMOVAL 3/4"
- PAVEMENT REMOVAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G85	

HMA MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1 1/2"	4% @ 70 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 3/4"	3.5% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, (AS NECESSARY)	4% @ 70 GYR	QC/QA
HOT MIX ASPHALT PAVEMENT RECONSTRUCTION & WIDENING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1 1/2"	4% @ 70 GYR	QC/QA
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 3/4"	3.5% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, 7 3/4" (HMA BINDER IL-19)	4% @ 70 GYR	QC/QA
HOT-MIX BASE COURSE WIDENING, 7 3/4" (HMA BINDER IL-19)	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT SHOULDER, 8"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70 1 1/2"	4% @ 70 GYR	QC/QA
HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 6 1/2"	4% @ 70 GYR	QC/QA
PRIVATE DRIVEWAY		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N50 2"	4% @ 50 GYR	QC/QA
HOT-MIX ASPHALT BASE COURSE, 6" (HMA BINDER IL-19)	4% @ 50 GYR	QC/QA

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)
 THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED HMA BINDER COURSE, IL-4.75, N50

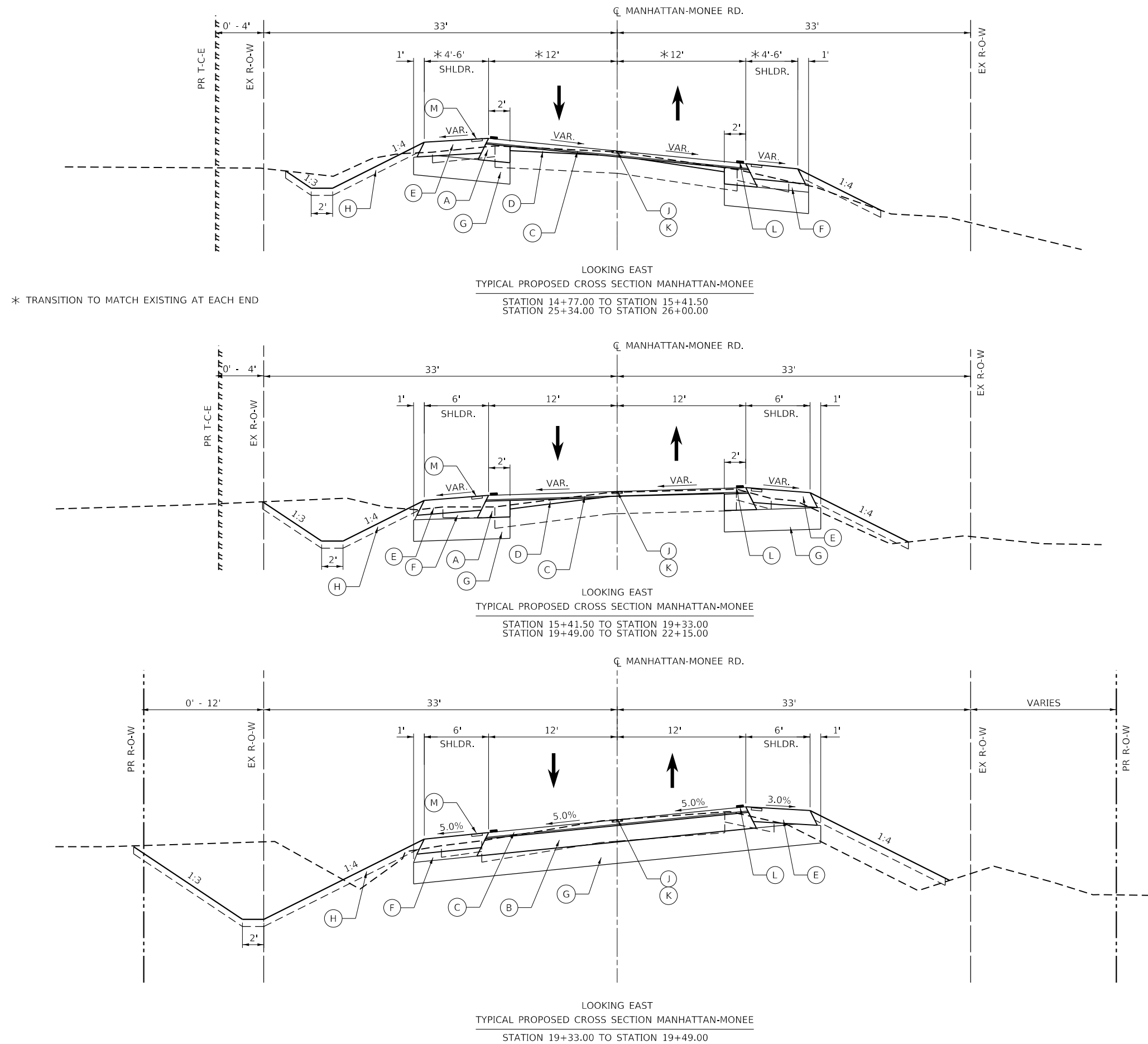
MIXTURE TABLE NOTES

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
- THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

LEGEND

- (A) HMA BASE COURSE WIDENING, 7 3/4"
- (B) HMA BASE COURSE, 7 3/4"
- (C) HMA SURFACE COURSE, MIX "D", IL-9.5 N70, 1 1/2"
POLYMERIZED HOT-MIX ASPALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HMA BINDER COURSE, IL-19.0, N70 (VARIABLE THICKNESS)
- (E) HMA SHOULDER, 8"
- (F) SUBBASE GRANULAR MATERIAL, TYPE C
- (G) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (H) TOPSOIL EXCAVATION AND PLACEMENT (4")
- (I) STEEL PLATE BEAM GUARDRAIL
- (J) CENTER LINE - RUMBLE STRIP - 16"
- (K) THERMOPLASTIC PAVEMENT MARKING LINE 4" - YELLOW (SEE PVMT MRKG SHEET FOR MORE DETAIL - FOR DASHED / SPRAY ON)
- (L) THERMOPLASTIC PAVEMENT MARKING LINE 4" - SOLID WHITE
- (M) SHOULDER RUMBLE STRIPS, 8 IN. (BOTH SIDES)

4% DEFAULT SLOPE ON SHOULDERS. IN SUPERELEVATED SECTIONS ON LOW SIDE SHALL BE MIN. OF 4% OR MATCH SE. ON HIGH SIDE 4% OR MAX ROLLOVER OF 8%



* TRANSITION TO MATCH EXISTING AT EACH END

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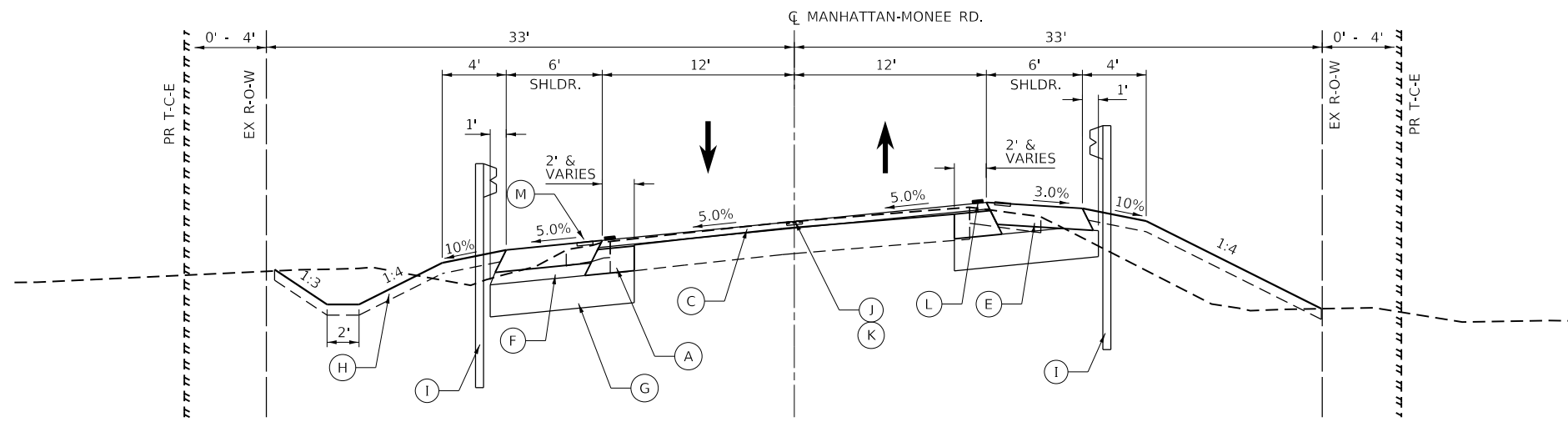
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

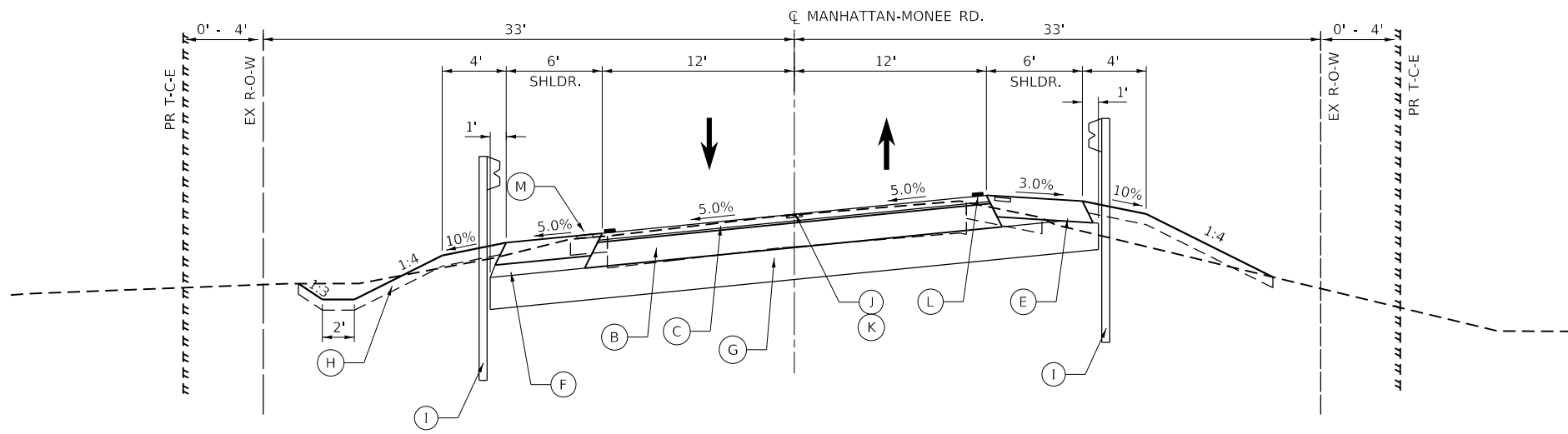
**MANHATTAN-MONEE RD
TYPICAL SECTIONS**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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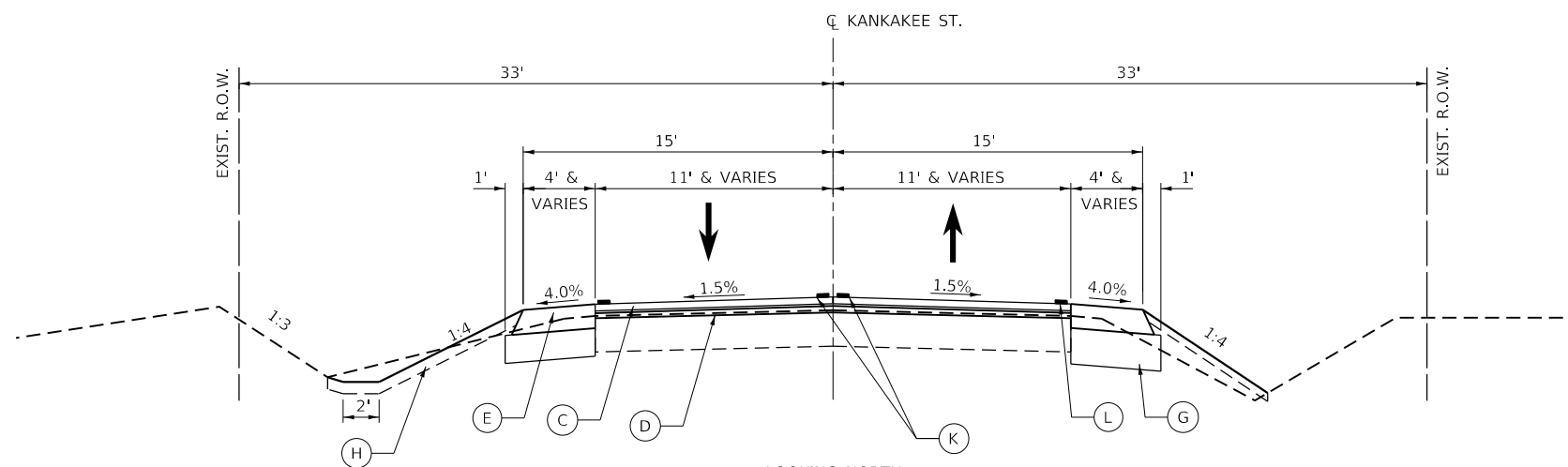
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	12
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



LOOKING EAST
 TYPICAL PROPOSED CROSS SECTION MANHATTAN-MONEE
 STATION 22+15.00 TO STATION 23+20.50
 STATION 23+82.50 TO STATION 25+34.00



LOOKING EAST
 TYPICAL PROPOSED CROSS SECTION MANHATTAN-MONEE
 STATION 23+20.50 TO STATION 23+82.50



LOOKING NORTH
 PROPOSED TYPICAL CROSS SECTION KANKAKEE RD
 STATION 48+00 TO STATION 49+88

LEGEND

- (A) HMA BASE COURSE WIDENING, 7 3/4"
- (B) HMA BASE COURSE, 7 3/4"
- (C) HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- (D) HMA BINDER COURSE, IL-19.0, N70 (VARIABLE THICKNESS)
- (E) HMA SHOULDER, 8"
- (F) SUBBASE GRANULAR MATERIAL, TYPE C
- (G) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (H) TOPSOIL EXCAVATION AND PLACEMENT (4")
- (I) STEEL PLATE BEAM GUARDRAIL
- (J) CENTER LINE - RUMBLE STRIP - 16"
- (K) THERMOPLASTIC PAVEMENT MARKING LINE 4" - DOUBLE SOLID YELLOW (SEE PVMT MRKG SHEET FOR MORE DETAIL - INCLUDING WHERE SPRAY ON)
- (L) THERMOPLASTIC PAVEMENT MARKING LINE 4" - SOLID WHITE
- (M) SHOULDER RUMBLE STRIPS, 8 IN. (BOTH SIDES)

4% DEFAULT SLOPE ON SHOULDERS. IN SUPERELEVATED SECTIONS ON LOW SIDE SHALL BE MIN. OF 4% OR MATCH SE. ON HIGH SIDE 4% OR MAX ROLLOVER OF 8%

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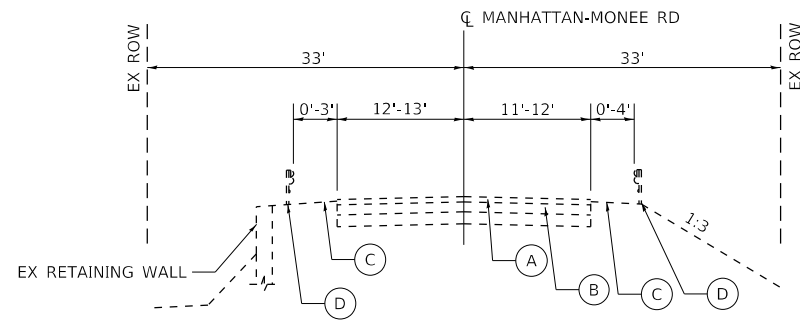
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	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
 TYPICAL SECTIONS

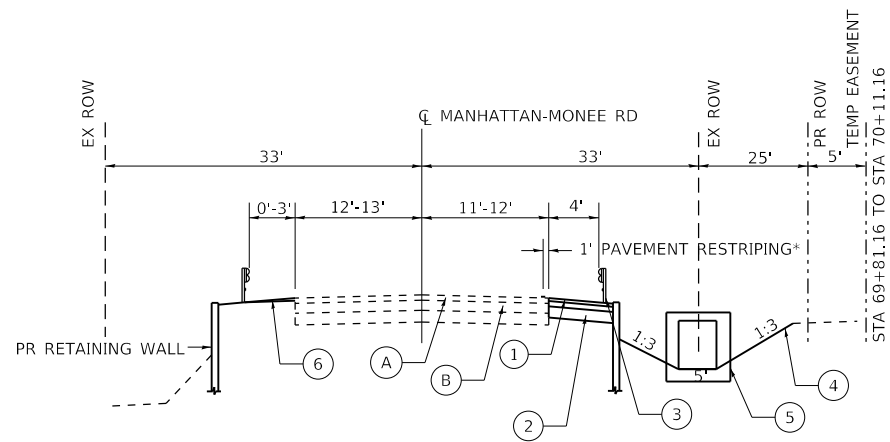
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	13
			CONTRACT NO. 62G85	
		ILLINOIS	FED. AID PROJECT	



EXISTING TYPICAL CROSS SECTION

STA 59+00 TO STA 72+50
 EXISTING RETAINING WALL TO REMAIN
 STA 59+80 TO STA 69+85 - LT

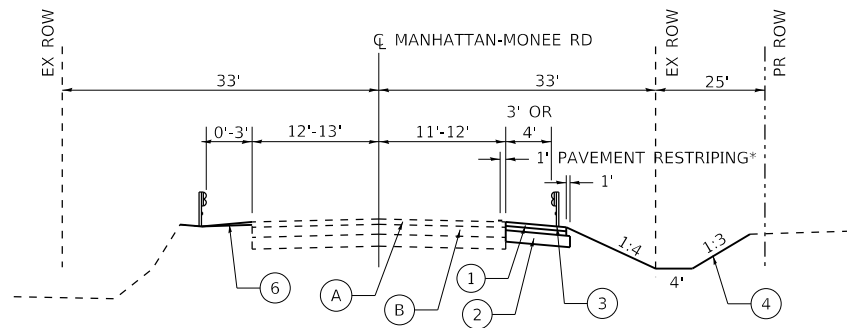


PROPOSED TYPICAL CROSS SECTION

STA 69+50 TO STA 70+25

PR RETAINING WALL:
 STA 69+84.50 TO STA 70+14.75 (LEFT)
 STA 71+03 TO STA 71+53 (LEFT)
 STA 69+50 TO STA 69+73 (RIGHT)

* 4" WHITE THERMOPLASTIC LINE



PROPOSED TYPICAL CROSS SECTION

STA 59+00 TO STA 69+50
 STA 70+25 TO STA 72+50

PR GUARDRAIL:
 STA 67+86 TO STA 69+82 (RIGHT)
 STA 70+11 TO STA 71+70 (RIGHT)
 STA 60+08 TO STA 70+54 (LEFT)
 STA 70+77 TO STA 73+74 (LEFT)

* 4" WHITE THERMOPLASTIC LINE

LEGEND

- (A) EXIST HMA PAVEMENT
- (B) EXIST PCC BASE COURSE
- (C) EXIST AGGREGATE SHOULDER
- (D) EXIST STEEL PLATE BEAM GUARDRAIL
- (1) PROPOSED HOT-MIX ASPHALT SHOULDERS, 8"
- (2) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (3) PROPOSED STEEL PLATE BEAM GUARDRAIL
- (4) PROPOSED TOPSOIL EXCAVATION & PLACEMENT, 4" & SEEDING, CLASS 3 AND SEEDING, CLASS 4B (MODIFIED)
- (5) PROPOSED 5'X4' BOX CULVERT
- (6) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B



USER NAME = johnn	DESIGNED - AB	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)

SCALE: SHEET OF SHEETS STA. TO STA.

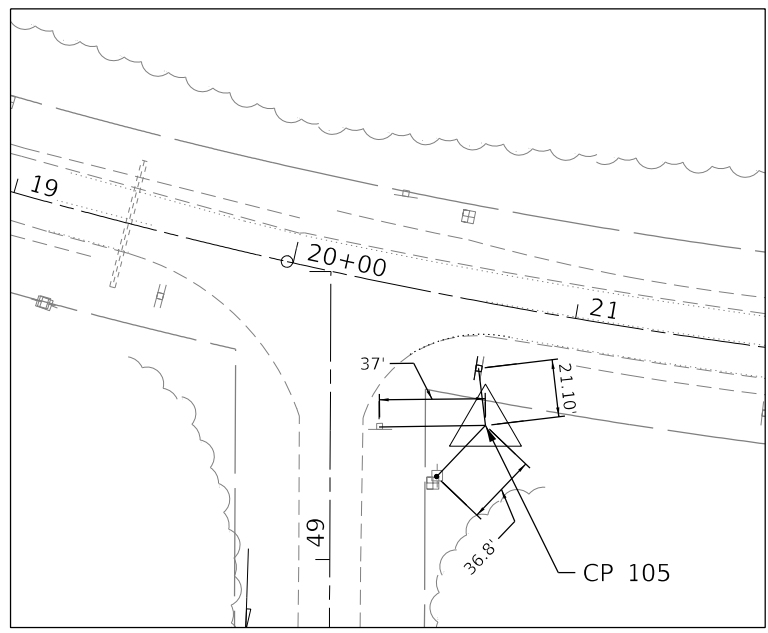
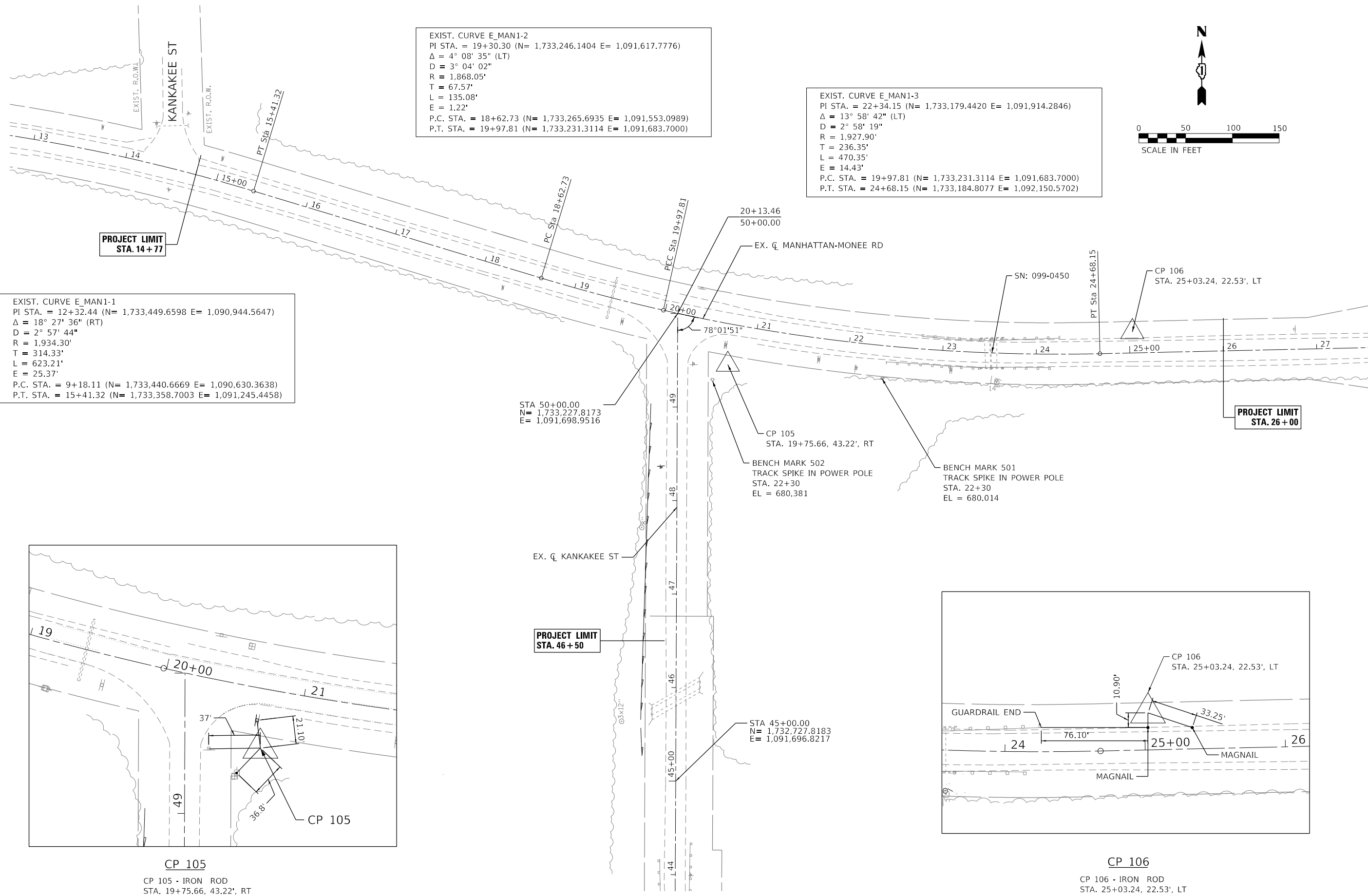
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	14
			CONTRACT NO. 62G85	
ILLINOIS FED. AID PROJECT				



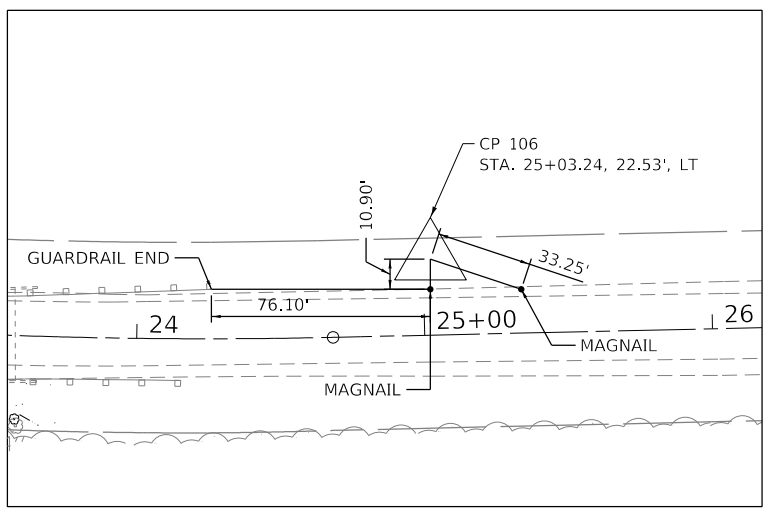
EXIST. CURVE E_MAN1-2
 PI STA. = 19+30.30 (N= 1,733,246.1404 E= 1,091,617.7776)
 $\Delta = 4^\circ 08' 35''$ (LT)
 $D = 3^\circ 04' 02''$
 $R = 1,868.05'$
 $T = 67.57'$
 $L = 135.08'$
 $E = 1.22'$
 P.C. STA. = 18+62.73 (N= 1,733,265.6935 E= 1,091,553.0989)
 P.T. STA. = 19+97.81 (N= 1,733,231.3114 E= 1,091,683.7000)

EXIST. CURVE E_MAN1-3
 PI STA. = 22+34.15 (N= 1,733,179.4420 E= 1,091,914.2846)
 $\Delta = 13^\circ 58' 42''$ (LT)
 $D = 2^\circ 58' 19''$
 $R = 1,927.90'$
 $T = 236.35'$
 $L = 470.35'$
 $E = 14.43'$
 P.C. STA. = 19+97.81 (N= 1,733,231.3114 E= 1,091,683.7000)
 P.T. STA. = 24+68.15 (N= 1,733,184.8077 E= 1,092,150.5702)

EXIST. CURVE E_MAN1-1
 PI STA. = 12+32.44 (N= 1,733,449.6598 E= 1,090,944.5647)
 $\Delta = 18^\circ 27' 36''$ (RT)
 $D = 2^\circ 57' 44''$
 $R = 1,934.30'$
 $T = 314.33'$
 $L = 623.21'$
 $E = 25.37'$
 P.C. STA. = 9+18.11 (N= 1,733,440.6669 E= 1,090,630.3638)
 P.T. STA. = 15+41.32 (N= 1,733,358.7003 E= 1,091,245.4458)



CP 105
 CP 105 - IRON ROD
 STA. 19+75.66, 43.22', RT
 N=1733173.161 E=1091752.621
 EL = 679.804



CP 106
 CP 106 - IRON ROD
 STA. 25+03.24, 22.53', LT
 N=1733208.132 E=1092185.144
 EL = 678.613

MODEL: \\MODELS\BENMARKS
FILE: \\MODELS\FILES



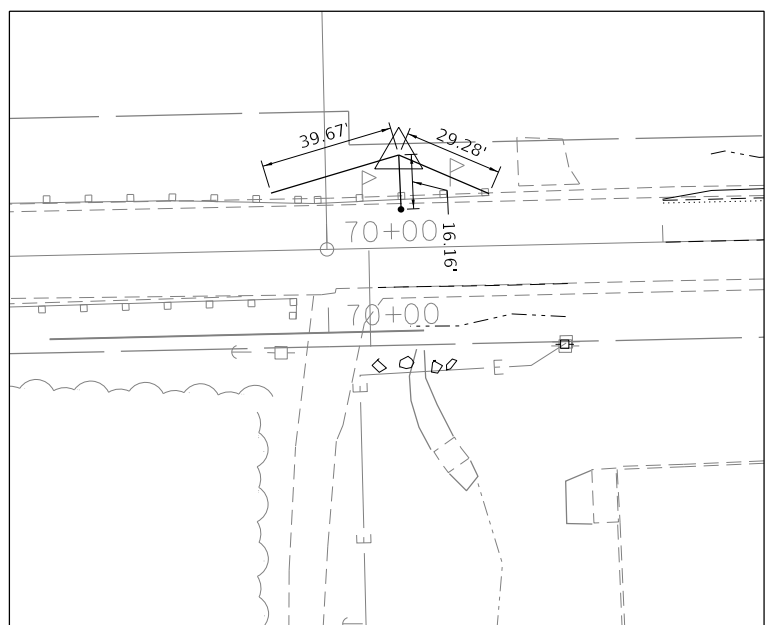
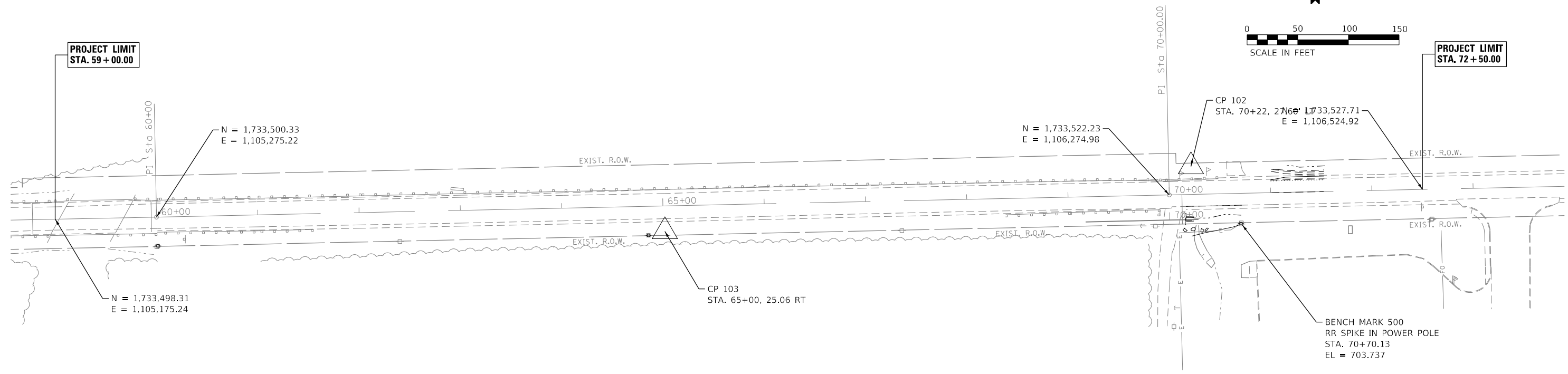
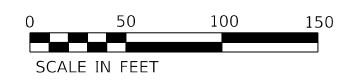
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PLOT SCALE = \$SCALES	DRAWN - TOM	REVISED -
PLOT DATE = \$DATES	CHECKED - JA	REVISED -
	DATE - 1/7/2020	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MANHATTAN-MONEE RD
 ALIGNMENT TIES & BENCHMARKS**

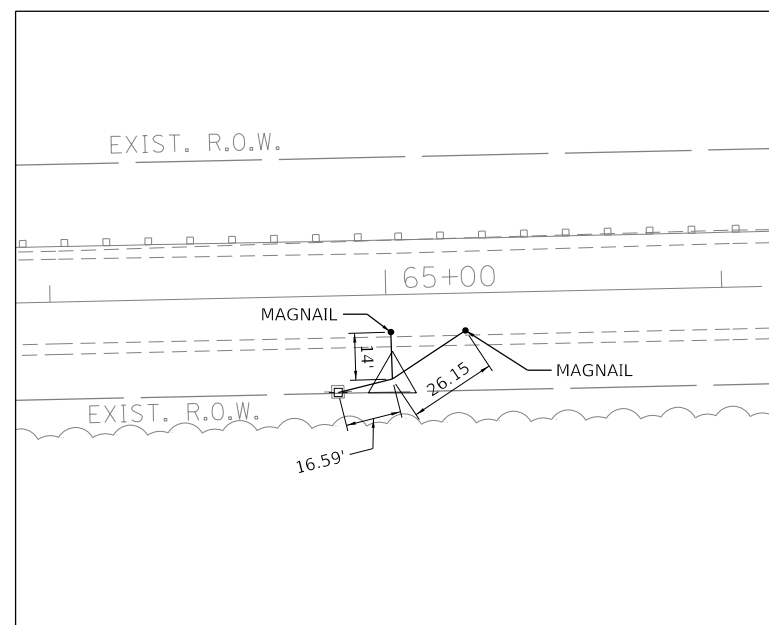
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	15
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



CP 102

CP 102 - CAPPED IRON ROD CWA NORTH SIDE
ROAD JUST EAST OF DITCH RUNNING N/S & E/W
STA. 70+22.00, 27.60, LT
N=1733550.31 E=1106296.31
EL = 701.046



CP 103

CP 103 - IRON ROD
STA. 65+00, 25.06, RT
N=1733486.22 E=1105777.04
EL = 698.949

MODEL: \$MODELNAME\$
FILE NUMBER: \$FILE\$



USER NAME = \$USERS	DESIGNED - MO	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - TOM	REVISED -
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	DATE - 1/7/2020	REVISED -

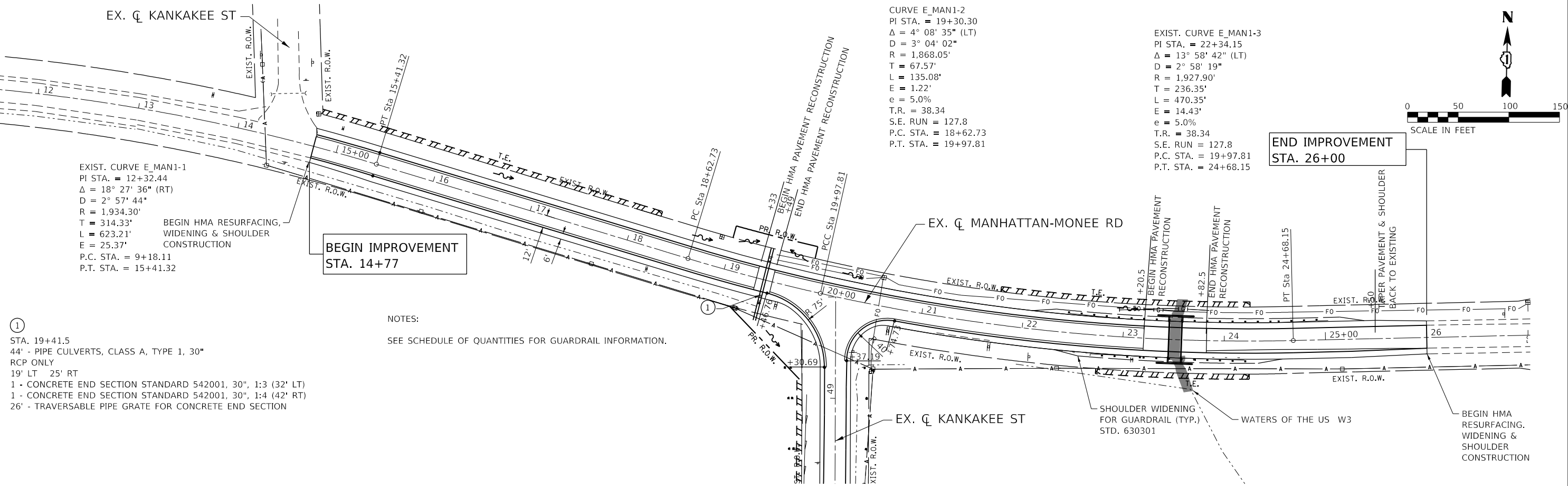
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MANHATTAN-MONEE RD
ALIGNMENT TIES & BENCHMARKS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	16
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	BY	
	NO.	



EXIST. CURVE E_MAN1-1
 PI STA. = 12+32.44
 $\Delta = 18^\circ 27' 36''$ (RT)
 $D = 2^\circ 57' 44''$
 $R = 1,934.30'$
 $T = 314.33'$
 $L = 623.21'$
 $E = 25.37'$
 $P.C. STA. = 9+18.11$
 $P.T. STA. = 15+41.32$

CURVE E_MAN1-2
 PI STA. = 19+30.30
 $\Delta = 4^\circ 08' 35''$ (LT)
 $D = 3^\circ 04' 02''$
 $R = 1,868.05'$
 $T = 67.57'$
 $L = 135.08'$
 $E = 1.22'$
 $e = 5.0\%$
 $T.R. = 38.34$
 $S.E. RUN = 127.8$
 $P.C. STA. = 18+62.73$
 $P.T. STA. = 19+97.81$

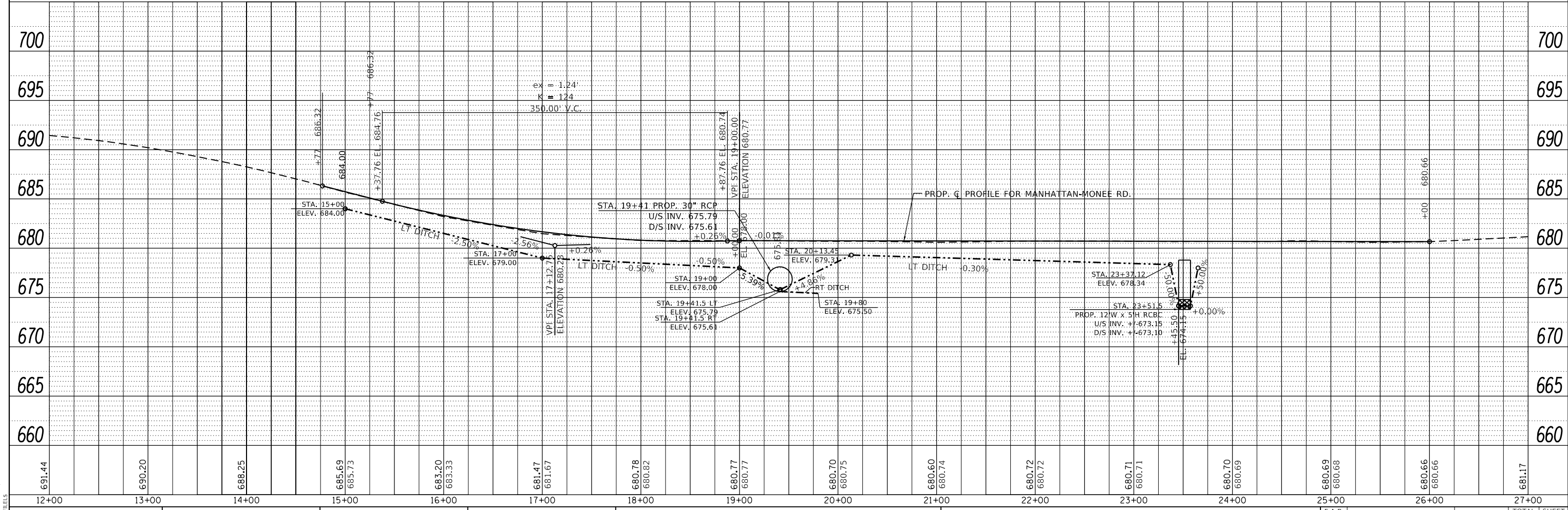
EXIST. CURVE E_MAN1-3
 PI STA. = 22+34.15
 $\Delta = 13^\circ 58' 42''$ (LT)
 $D = 2^\circ 58' 19''$
 $R = 1,927.90'$
 $T = 236.35'$
 $L = 470.35'$
 $E = 14.43'$
 $e = 5.0\%$
 $T.R. = 38.34$
 $S.E. RUN = 127.8$
 $P.C. STA. = 19+97.81$
 $P.T. STA. = 24+68.15$



- ①
 STA. 19+41.5
 44' - PIPE CULVERTS, CLASS A, TYPE 1, 30" RCP ONLY
 19' LT 25' RT
 1 - CONCRETE END SECTION STANDARD 542001, 30", 1:3 (32' LT)
 1 - CONCRETE END SECTION STANDARD 542001, 30", 1:4 (42' RT)
 26' - TRAVERSABLE PIPE GRATE FOR CONCRETE END SECTION

NOTES:
 SEE SCHEDULE OF QUANTITIES FOR GUARDRAIL INFORMATION.

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	BY	
	NO.	



MODEL: SPODELNAME5
 FILE NAME: SPFILE5



USER NAME =	USERS
DESIGNED -	MO
DRAWN -	TOM
CHECKED -	JA
DATE -	9/9/19
PLOT SCALE =	SSCALES
PLOT DATE =	SDATES

REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

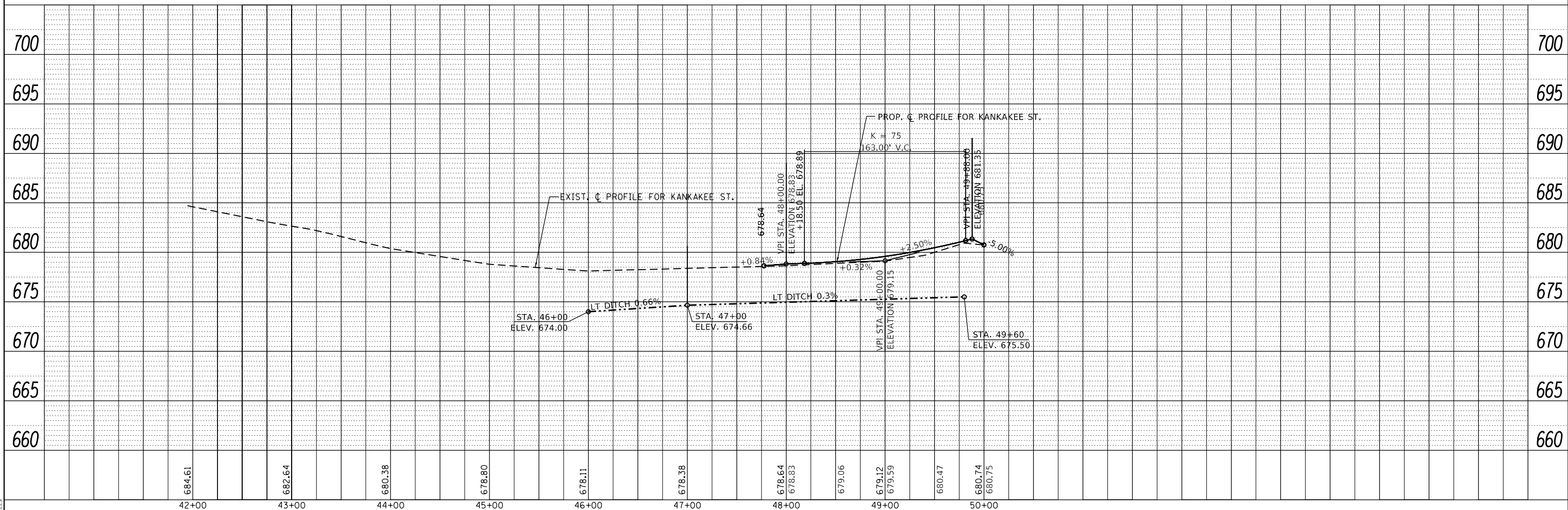
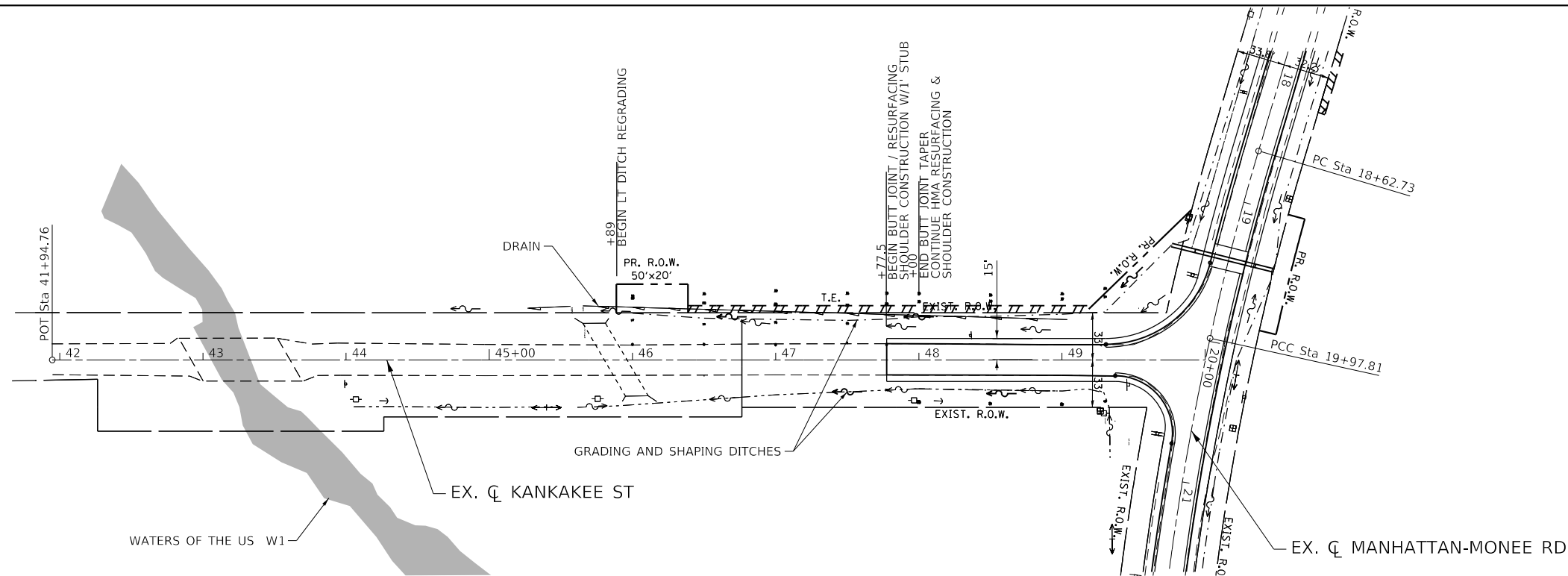
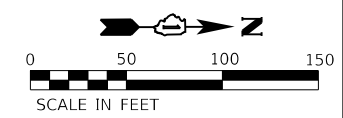
MANHATTAN-MONEE RD
 PLAN & PROFILE

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	88	17
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATION		
	NO.		



MODEL: SPODEL\MAMES
FILE NAME: SFILES



QUIGG ENGINEERING INC

USER NAME =	USERS
PLOT SCALE =	SCALE
PLOT DATE =	DATE

DESIGNED -	MO
DRAWN -	TOM
CHECKED -	JA
DATE -	9/9/19

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**KANKAKEE ST.
PLAN & PROFILE**

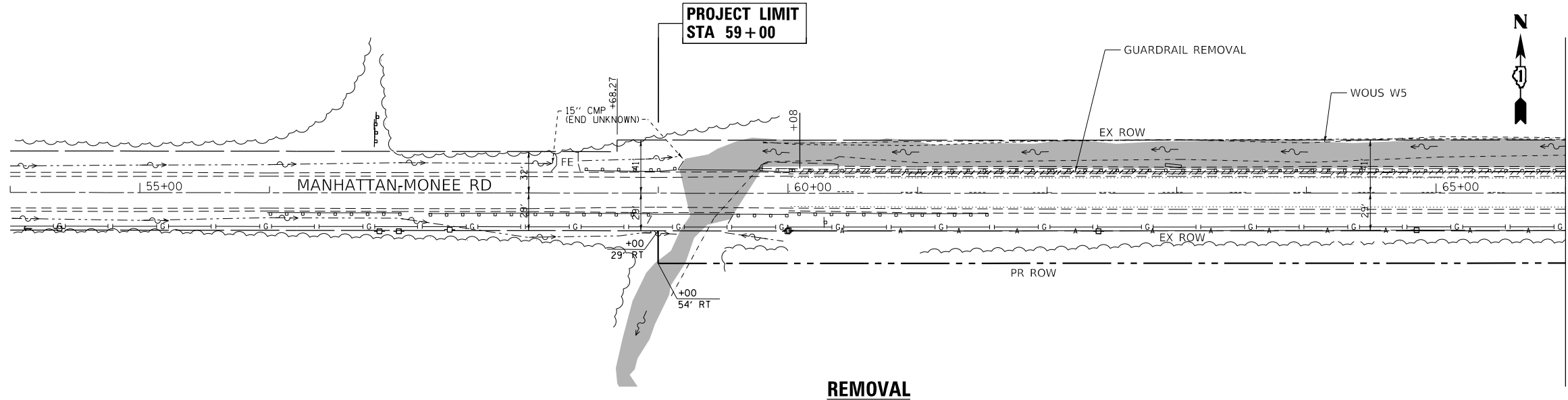
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	88	18
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATION	
	NO.	

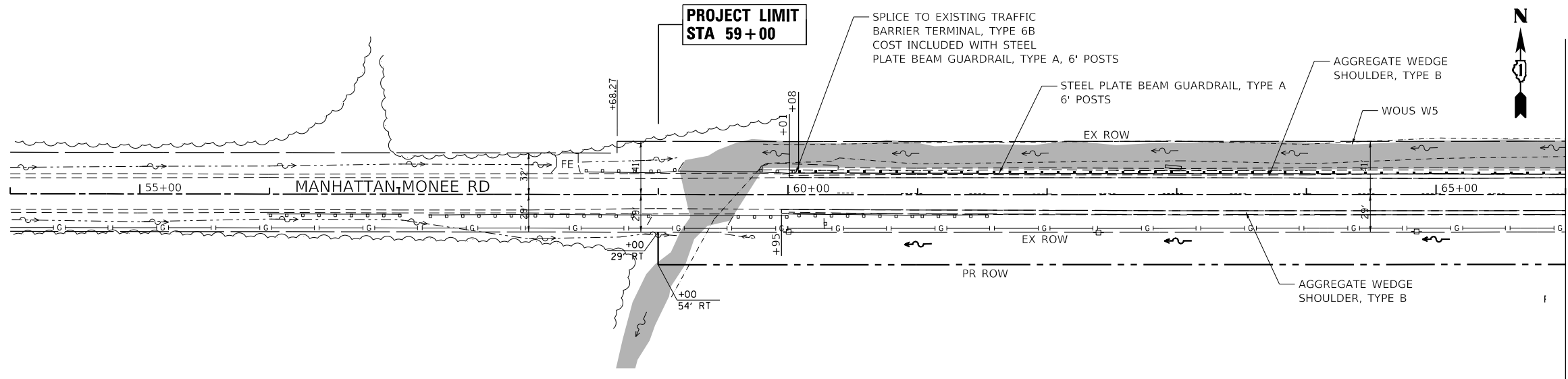
**PROJECT LIMIT
STA 59+00**



REMOVAL

MATCH LINE STA 66+00 SEE SHEET 20

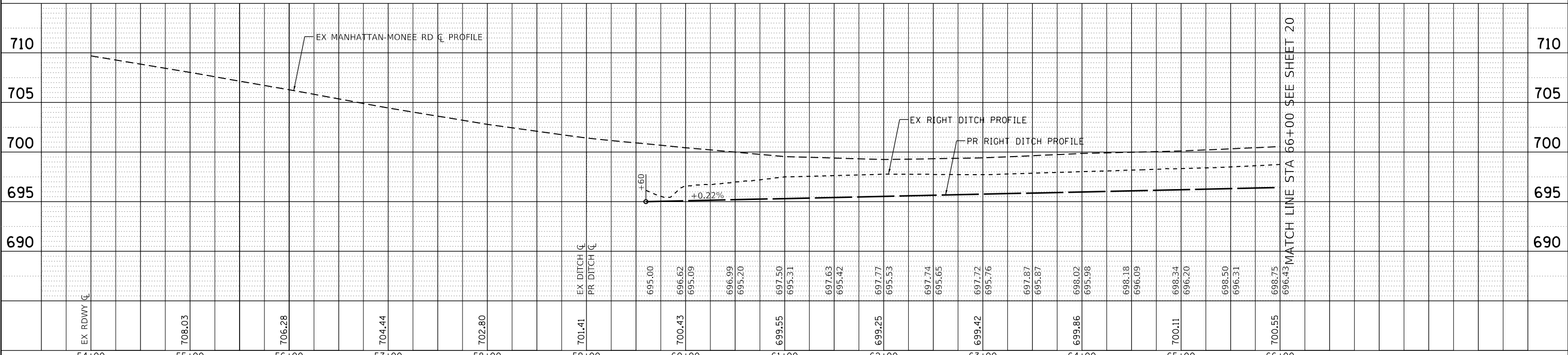
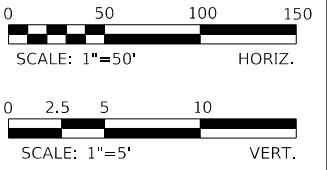
**PROJECT LIMIT
STA 59+00**



PROPOSED

MATCH LINE STA 66+00 SEE SHEET 20

NOTE:
CE = COMMERCIAL ENTRANCE
FE = FIELD ENTRANCE
PE = PRIVATE ENTRANCE

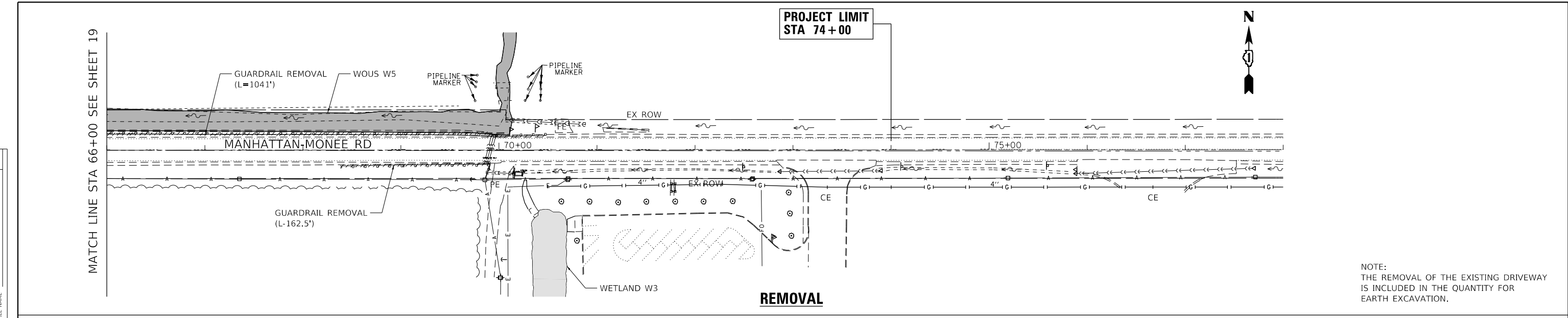


MATCH LINE STA 66+00 SEE SHEET 20

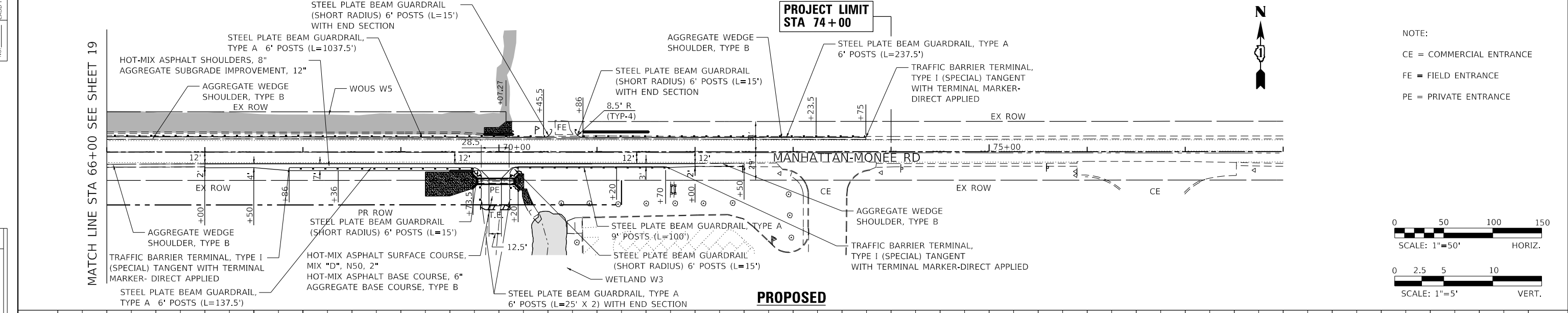
	USER NAME = johnn	DESIGNED - JMT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - I MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)			F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 88	SHEET NO. 19
	PLOT SCALE = 100,0000' / in.	CHECKED - TGM	REVISED -		SCALE: 1"=50'	SHEET 1	OF 2 SHEETS	STA. 59+00 TO STA. 66+00	CONTRACT NO. 62G85		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -									

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
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	FILE NAME	
	NO.	

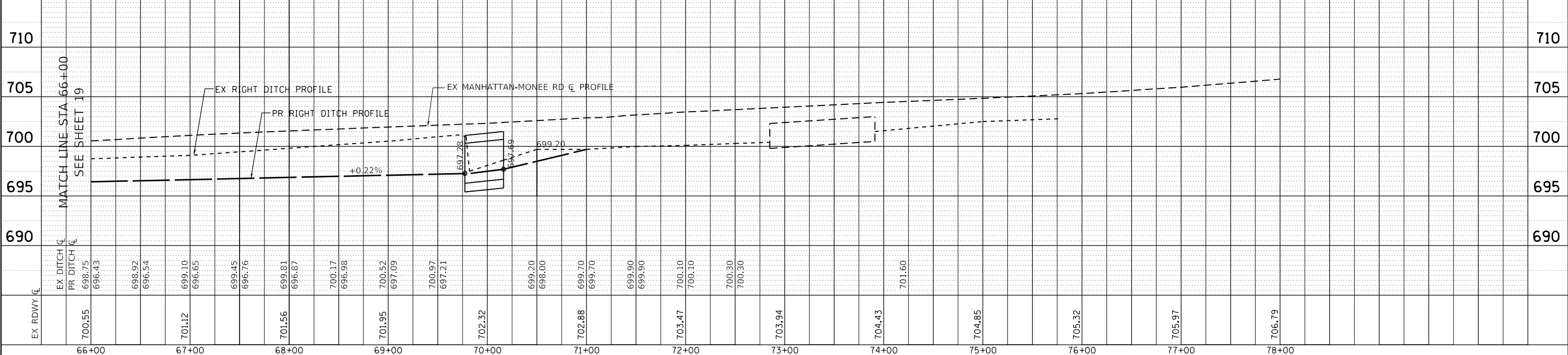
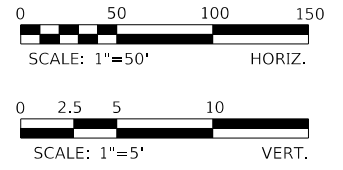
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	



NOTE:
THE REMOVAL OF THE EXISTING DRIVEWAY IS INCLUDED IN THE QUANTITY FOR EARTH EXCAVATION.



NOTE:
CE = COMMERCIAL ENTRANCE
FE = FIELD ENTRANCE
PE = PRIVATE ENTRANCE



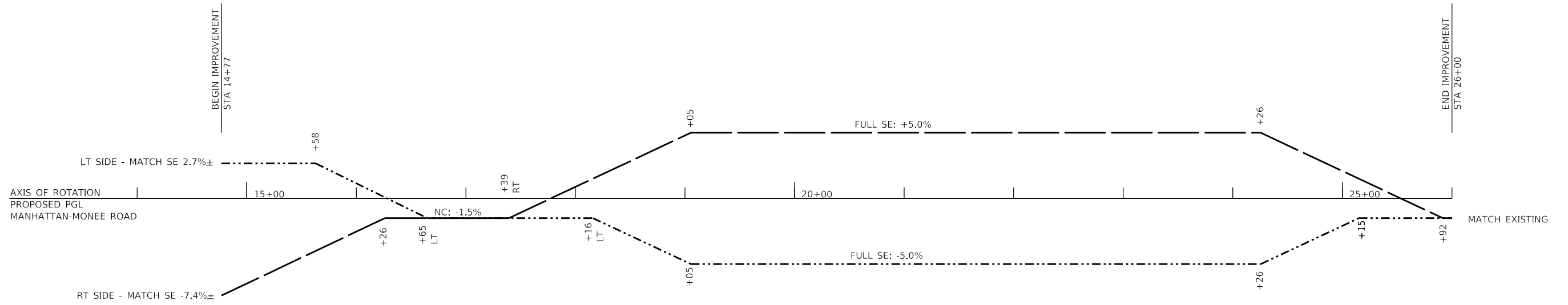
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PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - II
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 66+00 TO STA. 72+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	88	20
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



- - - - - LEFT SIDE RELATIVE GRADE
 _____ RIGHT SIDE RELATIVE GRADE

MODEL: \\MODELS\NAME\$
 FILE NAME: \$FILE\$



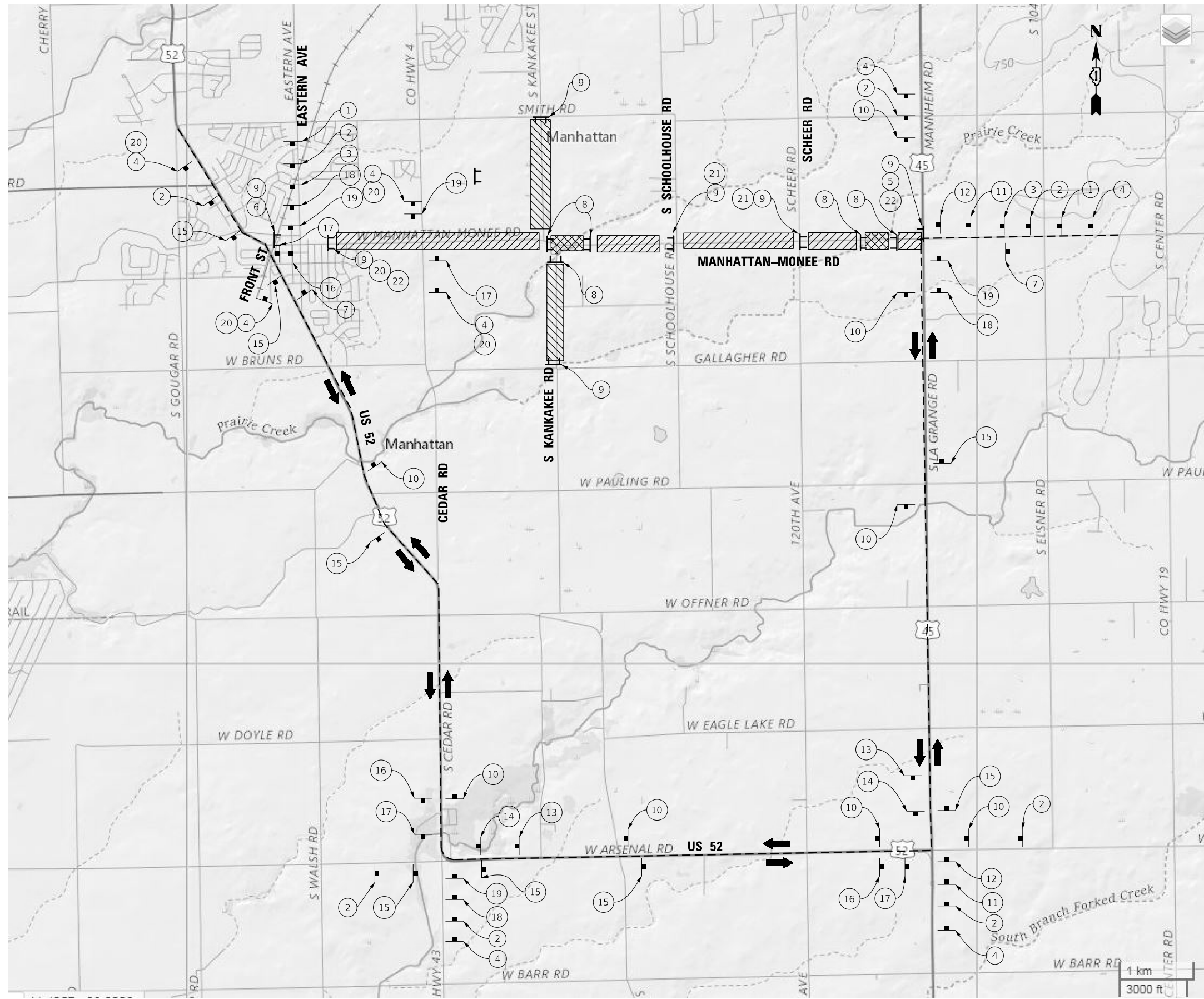
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PLOT DATE = \$DATE\$	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
SUPERELEVATION ATTAINMENT DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G85	



LEGEND:

- TYPE III BARRICADES CONFORMING TO STD. 701901 WITH 2 FLASHING LIGHTS PER BARRICADE
- PARTIALLY CLOSED ROAD
- WORK ZONE
- DETOUR ROUTE
- TRAFFIC FLOW
- TYPE A FLASHING LIGHT

ROAD WILL BE CLOSED
FROM MMM ##
THRU MMM

NOTE: MIN. 6" BLACK UPPERCASE LETTERS ON ORANGE BACKGROUND.

MANHATTAN-MONEE RD CLOSED TO THRU TRAFFIC FOLLOW DETOUR

ROAD CLOSED AHEAD (W20-3-4848)

DETOUR AHEAD (W20-2-4848)

ROAD CLOSED 500 FT (W20-3-4848)

DETOUR (M4-10L-4818)

DETOUR (M4-10R-4818)

END DETOUR (M4-8A-2418)

ROAD CLOSED (R11-2-4830)

ROAD CLOSED TO THRU TRAFFIC (R11-4-6030)

WEST MANHATTAN MONEE RD DETOUR (M3-3-2412, M1-50-3024, M4-9-3024)

WEST MANHATTAN MONEE RD DETOUR (M3-3-2412, M1-50-3024, M4-9-3024)

WEST MANHATTAN MONEE RD DETOUR (M3-3-2412, M1-50-3024, M4-9-3024)

EAST MANHATTAN MONEE RD DETOUR (M3-1-2412, M1-50-3024, M4-9-3024)

EAST MANHATTAN MONEE RD DETOUR (M3-1-2412, M1-50-3024, M4-9-3024)

EAST MANHATTAN MONEE RD DETOUR (M3-1-2412, M1-50-3024, M4-9-3024)

EAST MANHATTAN MONEE RD DETOUR (M3-1-2412, M1-50-3024, M4-9-3024)

E OF S KANKAKEE ST (60x12)

ROAD CLOSED 1/2 MILE (W20-3-4848)

* M1-50-3024 SIGNS SHALL BE CUSTOM NAME SIGN. MIN. 6" BLACK UPPERCASE LETTERS ON ORANGE BACKGROUND OR WHEN LOWER CASE IS USED THEY SHALL BE 3/4 SIZE OF UPPERCASE USED.

NOTE: THE INTENT IS THE CONTRACTOR SHALL COMPLETE THE EAST SITE FIRST AND OPEN IT TO LOCAL TRAFFIC AS SOON AS THE WORK IN THE AREA IS COMPLETE. THE CONTRACTOR SHALL THEN REMOVE ALL CONFLICTING SIGNS AND OPEN THAT AREA TO LOCAL TRAFFIC.

MODEL: D:\p\1\1811042-AES IDOT_PTB_185-02\W015-62G85-Manhattan_Monee\CADD\CADD_Sheets\09-D162G85-SH-Cover.dgn
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USER NAME = mokrent	DESIGNED - MO	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 1/24/2020	CHECKED - JA	REVISED -
	DATE - 1/7/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

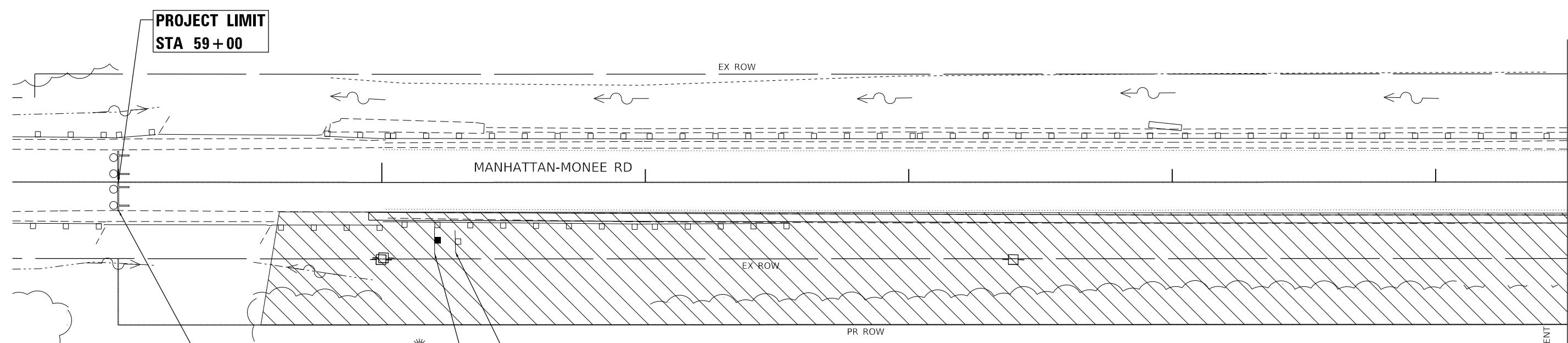
**MANHATTAN-MONEE RD
DETOUR PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	22
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G85	



MATCH LINE - STA 64+50 SEE SHEET 25



ROAD CLOSED

R11-2-4830
STA 59+00 (STAGE IB)
RELOCATE TYPE III BARRICADES
AS REQUIRED BY SEQUENCE OF
CONSTRUCTION STAGING NOTES

ROAD CLOSED AHEAD

W20-3-4848
STA 60+20 (STAGE IA)
STA 49+00 (STAGE IB)

NO PASSING ZONE

EXISTING NO
PASSING ZONE
SIGN TO REMAIN

WORK ZONE STAGE IB

SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER.

MANHATTAN-MONEE RD WILL BE CLOSED FOR THIS WORK. PROVIDE THE DETOUR SHOWN IN THE MANHATTAN-MONEE RD DETOUR PLAN.

PROVIDE TRAFFIC CONTROL AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.

INSTALL EROSION CONTROL DEVICES PER THE EROSION CONTROL PLANS

STAGE IA

CLOSE MANHATTAN-MONEE RD FROM STA 70+20 TO STA 73+00

1. CONSTRUCT TEMPORARY ACCESS AT STA 70+40
2. CONSTRUCT THE SHOULDER MINUS THE HMA SURFACE COURSE, GRADE AND PERMANENTLY STABILIZE DITCH FROM RT STA 70+60 TO STA 72+88.

STAGE IB

CLOSE MANHATTAN-MONEE RD FROM STA 59+00 TO STA. 70+20

1. REMOVE GUARDRAIL FROM RT STA 68+38 TO STA 69+90
2. CONSTRUCT AND PERMANENTLY STABILIZE NEW DITCH RT STA. 59+60 TO STA 70+00
3. CONSTRUCT NEW DRIVEWAY CULVERT INCLUDING SHEET PILE RETAINING WALL AT RT STA 69+96
4. RECONSTRUCT AND REOPEN DRIVEWAY AT RT STA 69+96
5. REMOVE TEMPORARY ACCESS AT RT STA 70+40
6. CONSTRUCT SHOULDER MINUS HMA SURFACE COURSE RT STA 67+00 TO STA 70+60
7. PAVE HMA SURFACE COURSE FULL LENGTH OF THE PREVIOUSLY CONSTRUCTED HMA SHOULDERS AND DRIVEWAY
8. INSTALL STEEL PLATE BEAM GUARDRAILS ALONG THE SOUTH SIDE OF ROAD

STAGE IIA

CLOSE MANHATTAN-MONEE RD FROM STA 70+00 TO STA 73+00

1. REMOVE GABION WALL FROM LT STA 71+07 TO STA 71+51
2. CONSTRUCT NEW SHEET PILE RETAINING WALLS LT STA 70+86 TO STA 71+53 AND LT STA 69+85 TO STA 70+15
3. INSTALL RIPRAP AT LT STA 70+00

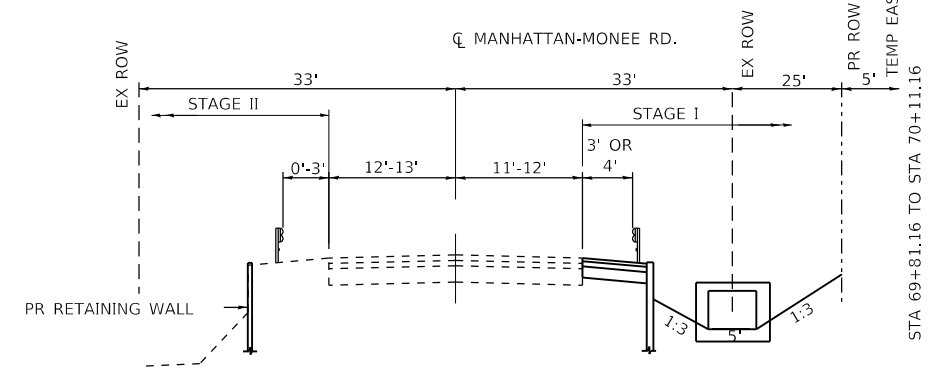
STAGE IIB

CLOSE MANHATTAN-MONEE RD FROM STA 59+00 TO STA 70+00

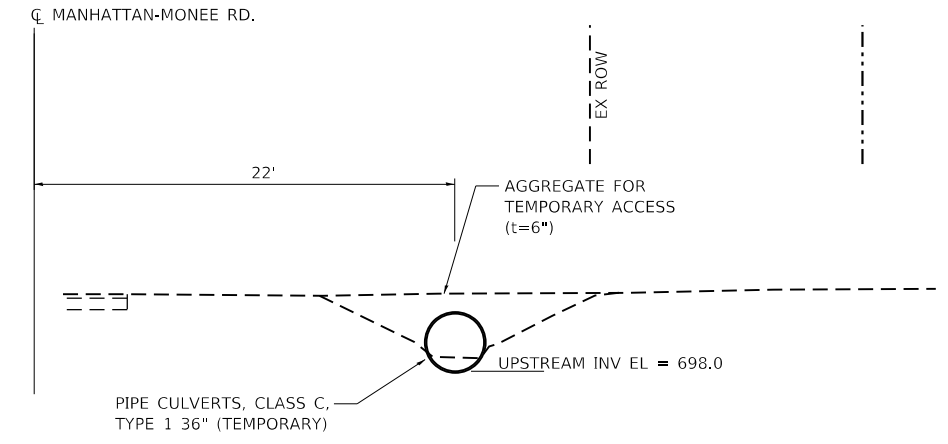
1. FILL THE EXISTING CULVERT UNDER MANHATTAN-MONEE RD. AT STA 69+90.7 WITH FLOWABLE FILL AS SHOWN IN THE PLANS
2. REMOVE GUARDRAIL FROM LT STA 60+08 TO STA 70+49
3. INSTALL STEEL PLATE BEAM GUARDRAILS ALONG THE NORTH SIDE OF THE ROAD AS SHOWN IN THE PLANS
4. PLACE AGGREGATE WEDGE SHOULDERS
5. RESTRIPE PAVEMENT MARKINGS
6. REOPEN MANHATTAN-MONEE ROAD TO ALL TRAFFIC

STAGE III

1. COMPLETE UNFINISHED LANDSCAPE RESTORATION
2. REMOVE TEMPORARY EROSION CONTROL DEVICES
3. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES



MOT TYPICAL SECTION



SECTION THRU TEMPORARY ACCESS

STA 70+40.8



USER NAME = johnn	DESIGNED - JMT	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN - STAGE I-1 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

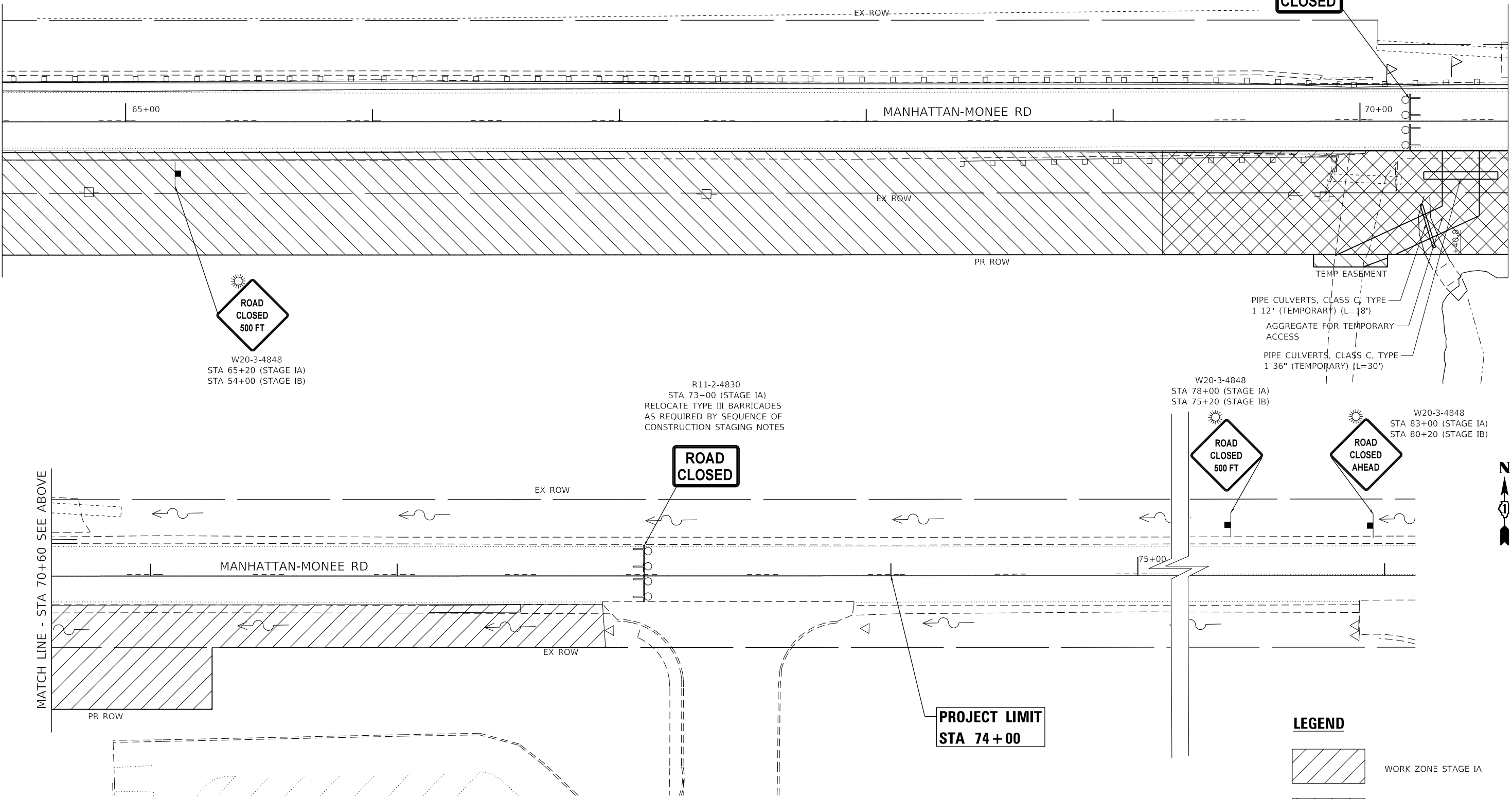
F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 23
CONTRACT NO. 62G85				ILLINOIS FED. AID PROJECT

R11-2-4830
 STA 70+20 (STAGE IA)
 STA 70+20 (ROTATE 180 DEGREES FOR STAGE IB)
 RELOCATE TYPE III BARRICADES
 AS REQUIRED BY SEQUENCE OF
 CONSTRUCTION STAGING NOTES



MATCH LINE - STA. 64+50 SEE SHEET 24

MATCH LINE - STA 70+60 SEE BELOW



LEGEND

	WORK ZONE STAGE IA
	WORK ZONE STAGE IB

W20-3-4848
 STA 65+20 (STAGE IA)
 STA 54+00 (STAGE IB)

R11-2-4830
 STA 73+00 (STAGE IA)
 RELOCATE TYPE III BARRICADES
 AS REQUIRED BY SEQUENCE OF
 CONSTRUCTION STAGING NOTES

W20-3-4848
 STA 78+00 (STAGE IA)
 STA 75+20 (STAGE IB)

W20-3-4848
 STA 83+00 (STAGE IA)
 STA 80+20 (STAGE IB)

**PROJECT LIMIT
 STA 74+00**



USER NAME = johnn	DESIGNED - JMT	REVISED -
DRAWN - JN	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - STAGE I-2
 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	24
CONTRACT NO.			62G85	
ILLINOIS FED. AID PROJECT				

**PROJECT LIMIT
STA 59+00**

EX ROW

60+00

MANHATTAN-MONEE RD

EX ROW

PR ROW

MATCH LINE - STA 64+50 SEE SHEET 27



**ROAD
CLOSED**

R11-2-4830
STA 59+00 (STAGE IIB)
RELOCATE TYPE III BARRICADES
AS REQUIRED BY SEQUENCE OF
CONSTRUCTION STAGING NOTES



W20-3-4848
STA 60+00 (STAGE IIA)
STA 49+00 (STAGE IIB)



EXISTING NO
PASSING ZONE
SIGN TO REMAIN

LEGEND



WORK ZONE STAGE IIB

FILE NAME = *



USER NAME = johnn	DESIGNED - JMT	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - II-1
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	25
CONTRACT NO.				62G85
ILLINOIS FED. AID PROJECT				

R11-2-4830
 STA 70+00 (STAGE IIA)
 STA 70+00 (ROTATE 180 DEGREES FOR STAGE IIB)
 RELOCATE TYPE III BARRICADES
 AS REQUIRED BY SEQUENCE OF
 CONSTRUCTION STAGING NOTES

**ROAD
 CLOSED**



MATCH LINE - STA. 64+50 SEE SHEET 26

MATCH LINE - STA 70+60 SEE BELOW

65+00

MANHATTAN-MONEE RD

70+00

**ROAD
 CLOSED
 500 FT**
 W20-3-4848
 STA 65+00 (STAGE IIA)
 STA 54+00 (STAGE IIB)

R11-2-4830
 STA 73+00 (STAGE IIA)
 RELOCATE TYPE III BARRICADES
 AS REQUIRED BY SEQUENCE OF
 CONSTRUCTION STAGING NOTES

**ROAD
 CLOSED**

W20-3-4848
 STA 78+00 (STAGE IIA)
 STA 75+00 (STAGE IIB)

**ROAD
 CLOSED
 500 FT**

W20-3-4848
 STA 83+00 (STAGE IIA)
 STA 80+00 (STAGE IIB)

**ROAD
 CLOSED
 AHEAD**

MATCH LINE - STA 70+60 SEE ABOVE



MANHATTAN-MONEE RD

75+00

**PROJECT LIMIT
 STA 74+00**

LEGEND

- WORK ZONE STAGE IIA
- WORK ZONE STAGE IIB



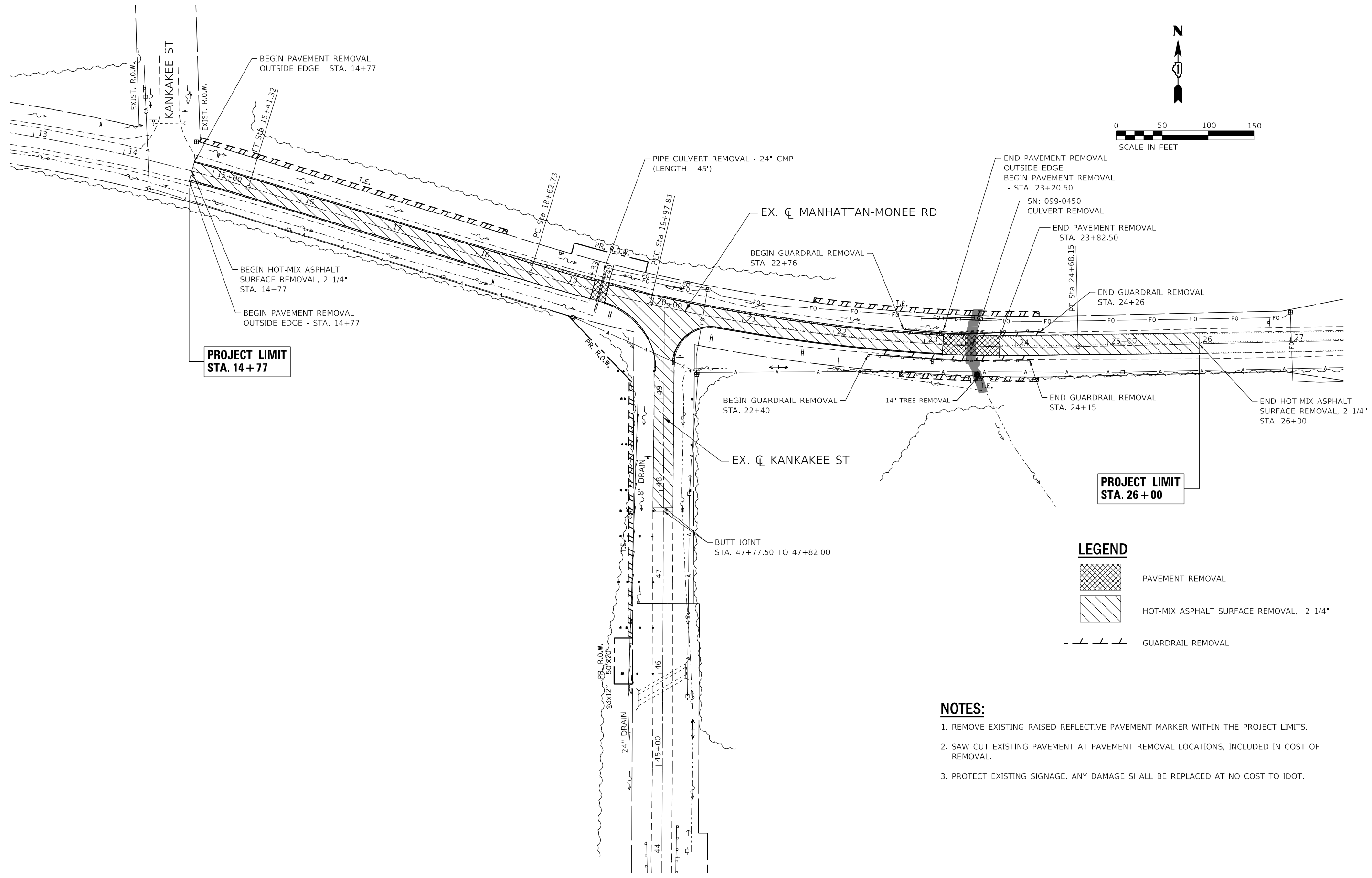
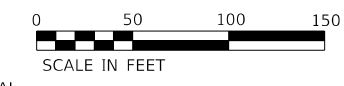
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DRAWN - JN	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN - II-2
 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET OF SHEETS STA. TO STA.

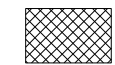

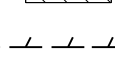
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	26
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



**PROJECT LIMIT
STA. 14 + 77**

**PROJECT LIMIT
STA. 26 + 00**

LEGEND

-  PAVEMENT REMOVAL
-  HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
-  GUARDRAIL REMOVAL

NOTES:

1. REMOVE EXISTING RAISED REFLECTIVE PAVEMENT MARKER WITHIN THE PROJECT LIMITS.
2. SAW CUT EXISTING PAVEMENT AT PAVEMENT REMOVAL LOCATIONS, INCLUDED IN COST OF REMOVAL.
3. PROTECT EXISTING SIGNAGE. ANY DAMAGE SHALL BE REPLACED AT NO COST TO IDOT.

MODEL: \\MODELS\NAME\$
FILE: \\NAME\$.STB



USER NAME = \$USERS	DESIGNED - MO	REVISED -
	DRAWN - TOM	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - JA	REVISED -
PLOT DATE = \$DATE\$	DATE - 1/7/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MANHATTAN-MONEE RD
EXISTING CONDITION AND REMOVAL PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	27
CONTRACT NO. 62G85				

ILLINOIS FED. AID PROJECT

EROSION AND SEDIMENT CONTROL NOTES:

- ALL CONTROL MEASURES NECESSARY MUST MEET THE MINIMUM REQUIREMENTS AS DESCRIBED IN THE LATEST EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ADDITIONAL DETAILS AND BMPs ARE ALSO AVAILABLE AND CAN BE UTILIZED AS SHOWN IN THE ILLINOIS URBAN MANUAL, REVISED TO LATEST VERSION AS AMENDED. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDE: (HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL).
- ALL THE SOIL EROSION AND SEDIMENT CONTROL FEATURES MUST BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE MUST BE PHASED OR ENACTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES MUST CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY AND/OR PERMANENT MEASURES.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND THE INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR MUST BE APPROVED BY THE ENGINEER AND WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
- ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITIES.
- DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION ACTIVITY, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN ONE (1) CALENDAR DAY.
- THE CONTRACTOR MUST CLEAN UP, GRADE THE WORK AREA AS THE PROJECT PROGRESSES AND INSTALL EROSION PROTECTION TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR MUST INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT MUST BE CLEANED DAILY OR AS NECESSARY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE ENGINEER OR AUTHORIZED IDOT PERSONNEL.
- STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10-FT VERTICALLY OR THE FINISHED SLOPE EQUALS 30-FT, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
- THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES TO BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS THROUGHOUT THE PROJECT.
- THE CONTRACTOR'S REPRESENTATIVE HAS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES AND HAVE TAKEN AN ILLINOIS DEPARTMENT OF TRANSPORTATION OR APPROVED EQUAL EROSION AND SEDIMENT CONTROL COURSE. THIS PERSON SHALL HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTION CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN PROVIDED BY THE ENGINEER. THIS INDIVIDUAL AND THE ENGINEER MUST MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN DAYS OF THE FOLLOWING:
 - DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
 - STRUCTURAL CONTROL MEASURES (SUCH AS PERIMETER EROSION BARRIER, ETC.)
 - LOCATIONS WHERE VEHICLES ENTER OR EXIT THE PROJECT SITE.
 - AN ADDITIONAL INSPECTION OF ALL EROSION AND CONTROL MEASURES MUST BE MADE WEEKLY AND WITHIN 24-HOURS AFTER A 24-HOUR RAINFALL OR EQUIVALENT SNOWFALL EVENT EQUAL OR GREATER THAN 0.5-INCH. DURING WINTER MONTHS, ALL MEASURES MUST BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
- ALL THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON, AS WELL AS OVER THE WINTER SHUTDOWN PERIOD AND OTHER DAYS WHEN THE PROJECT IS CLOSED DOWN FOR A LONGER DURATION. ANY CONTROL MEASURES FILLED MORE THAN 75% MUST BE CLEANED AND RESET AND THESE SPOILS REMOVED TO AN APPROVED SITE.
- SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND ACTIVE DRAINAGE PATHS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE. IMMEDIATELY AFTER THE FINAL SHAPING OF THE STOCKPILE, THE TOPSOIL WILL BE STABILIZED IN ACCORDANCE WITH THE METHOD APPROVED BY IDOT. THE CONTRACTOR WILL PROVIDE ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.

- EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR, THE COST OF THE CONTROLS WILL BE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER, THE DEPARTMENT WILL ASSUME THE COST OF INSTALLING AND MAINTAINING THE CONTROLS.
- IF AND/OR WHEN THE CONTRACTOR REQUESTS CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH 25 FEET AWAY FROM THE SHOULDER OF THE ROAD PROVIDED THE FOLLOWING CONDITIONS ARE MET:
 - ALL AREAS BEING STABILIZED ARE 1:3 SLOPES OR FLATTER
 - THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH MULCH METHOD 2.
 - ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED AND ARE BEING MAINTAINED.
- TOPSOIL PLACEMENT: TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE NOR ON TEMPORARY STEEP SLOPES.
- IN AREAS WHERE A PERMANENT VEGETATIVE COVER IS PRACTICABLE AND INCLUDED IN THE CONTRACT DOCUMENTS, A SPECIAL EFFORT SHOULD BE MADE TO ESTABLISH A COVER AS SOON AS A DISTURBED AREA IS BROUGHT TO FINAL GRADE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME.
- THE CONTRACTOR'S REPRESENTATIVE AND THE ENGINEER MUST KEEP A WRITTEN REPORT SUMMARIZING THE REQUIRED INSPECTIONS. THE REPORTS MUST BE KEPT AT THE SITE DURING CONSTRUCTION. THE REPORT MUST ALSO BE RETAINED FOR THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED.
- ANY SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING CONTROL MEASURE PRIOR TO RELEASE FROM THE PROJECT SITE.
- NO WORK IS ALLOWED BEYOND THE PERMITTED AREA. ANY WORK WITHIN A CREEK OR DITCH CAPABLE OF CONVEYING WATER MUST BE CONDUCTED IN THE DRY. PROVISIONS MUST BE MADE TO BYPASS PUMP OR DEWATER ANY AREAS IN WHICH WORK WILL BE CONDUCTED. IN HIGH FLOW CHANNELS WHERE DEWATERING IS NOT POSSIBLE OR PRACTICAL, SILT FENCE OR SEDIMENT CURTAINS MAY BE INSTALLED PARALLEL TO THE STREAM BANK. IN NO CASE WILL THE CURTAINS BE INSTALLED PERPENDICULAR TO THE FLOW. DEWATERING MUST BE DISCHARGED TO A STABLE, NON-ERODIBLE SURFACE AND IN-STREAM WORK BARRIERS MUST BE COMPOSED OF NON-ERODIBLE MATERIAL.
- SEEDING USAGE

CLASS 3 AND CLASS 4B (MODIFIED):
USED ON FINAL DISTURBED CONSTRUCTION AREAS INDICATED ON THE PLANS.

TEMPORARY EROSION CONTROL SEEDING:
USED IN AREAS REQUIRING SHORT TERM TEMPORARY SEEDING DURING CONSTRUCTION.
- THE CONTRACTOR MUST COOPERATE WITH THE ENGINEER AND HIS/HER REPRESENTATIVE WHO WILL MAKE SITE VISITS TO REVIEW THE COMPLIANCE OF THE PLANS IN THE FIELD AND AUDIT IF NECESSARY. THE CONTRACTOR MUST PREPARE THE LOGS AND RECORDS WHEN REQUIRED AND SUBMIT TO IDOT AND/OR APPROPRIATE AGENCIES.
- THE INSTALLATION, MAINTENANCE, REMOVAL AND RESTORATION OF THE AREA DISTURBED BY THE PLACEMENT OF THE PERIMETER EROSION BARRIER ARE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER. AFTER ALL PERIMETER EROSION BARRIER IS REMOVED, THE AREAS DAMAGED BY THE PERIMETER EROSION CONTROL BARRIER MUST BE RESTORED TO THEIR ORIGINAL CONDITION.
- TEMPORARY OR PERMANENT STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN ONE (1) DAY AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF FOURTEEN (14) OR MORE CALENDAR DAYS.
- THE CONTRACTOR WILL PROVIDE THE ENGINEER A PLAN TO ENSURE THAT A STABILIZED FLOW LINE WILL BE PROVIDED DURING STORM SEWER CONSTRUCTION. THIS IS IMPORTANT WHERE NEW STORM SEWER CONNECTS TO EXISTING CULVERTS. USE A STABILIZED FLOW LINE BETWEEN INSTALLED STORM SEWER AND OPEN DISTURBANCE, ESPECIALLY WHEN RAIN IS FORECAST, SO THAT FLOW WILL NOT BE EROSION AND WILL REDUCE THE POTENTIAL FOR THE OFFSITE DISCHARGE OF SEDIMENT-BEARING WATERS. THE LACK OF AN APPROVED PLAN OR FAILURE TO COMPLY WILL RESULT IN AN ESC DEFICIENCY DEDUCTION.

- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.
- EROSION CONTROL ITEMS ARE CONSIDERED TO BE A HIGH PRIORITY ON THIS CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
- THE CONTRACTOR IS REQUIRED TO PROVIDE WASHOUT FACILITIES AND STABILIZED CONSTRUCTION ENTRANCES TO COMPLY WITH EROSION CONTROL PERMITS.
- THE CONTRACTOR SHALL ATTACH AN ALUMINUM SIGN WITH THE FOLLOWING TEXT: "PROTECTED WETLAND - NO INTRUSION". THE SIGN(S) WILL BE ATTACHED TO THE STAKES BY THE METHOD APPROVED BY THE ENGINEER. THE SIGN(S) WILL BE PROVIDED BY THE DEPARTMENT AND SHALL BE PICKED UP BY THE CONTRACTOR FROM THE DISTRICT ONE ROADSIDE DEVELOPMENT ARCHITECT IN SCHAUMBURG, ILLINOIS. SCHEDULING THE PICK UP OF THE SIGNS CAN BE ARRANGED BY CONTACTING THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT AT (847) 705-4171. WHEN WORK HAS BEEN COMPLETED, THE SIGN(S) SHALL BE RETURNED TO THE DISTRICT ONE ROADSIDE DEVELOPMENT UNIT. THE COST OF PICKING UP, ATTACHING THE SIGNS TO THE TEMPORARY STAKES AND RETURNING THE SIGNS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PERIMETER EROSION BARRIER.
- THE US ARMY CORPS OF ENGINEERS MUST BE NOTIFIED 10 DAYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. ALL CONDITIONS OF THE 404 PERMIT FOUND IN THE SPECIAL PROVISIONS MUST BE FOLLOWED. AS A CONDITION OF THE PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN (INCLUDING WORK WITHIN WETLANDS) TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES (INCLUDING WORK WITHIN WETLANDS) CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK.

SOIL PROTECTION SCHEDULE:

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
PERMANENT SEEDING						→					→	
DORMANT SEEDING	→		→									→
TEMPORARY SEEDING										→		
EROSION BLANKET / HYDROMULCH											→	

SOIL EROSION AND SEDIMENT CONTROL STRATEGY:

- INSTALL TRAFFIC CONTROL DEVICES.
- ERECT PERIMETER EROSION BARRIERS, DITCH CHECKS AND PIPE PROTECTION AS SHOWN ON THE PLANS.
- ESTABLISH STABILIZED CONSTRUCTION ENTRANCES.
- REMOVE EXISTING PAVEMENTS AND STRUCTURES AS SHOWN ON THE PLANS.
- CONSTRUCT PROJECT IMPROVEMENTS AS SHOWN ON THE PLANS.
- INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES FOR THE DURATION OF CONSTRUCTION.
- TEMPORARY STABILIZATION OF EACH STAGE SHOULD BE COMPLETED BEFORE WORK BEGINS ON SUBSEQUENT STAGES.
- STABILIZE DISTURBED AREAS WITH TEMPORARY EROSION CONTROL MEASURES. USE THE PERMANENT SEEDING WITH EROSION CONTROL BLANKET AS SHOWN ON THE PLANS FOR PERMANENT STABILIZATION.
- WHEN THE PERMANENT STABILIZATION IS ESTABLISHED, REMOVE ALL TEMPORARY EROSION CONTROL MEASURES.

HIGHWAY STANDARD

STD. NO. TITLE
280001 TEMPORARY EROSION CONTROL SYSTEMS



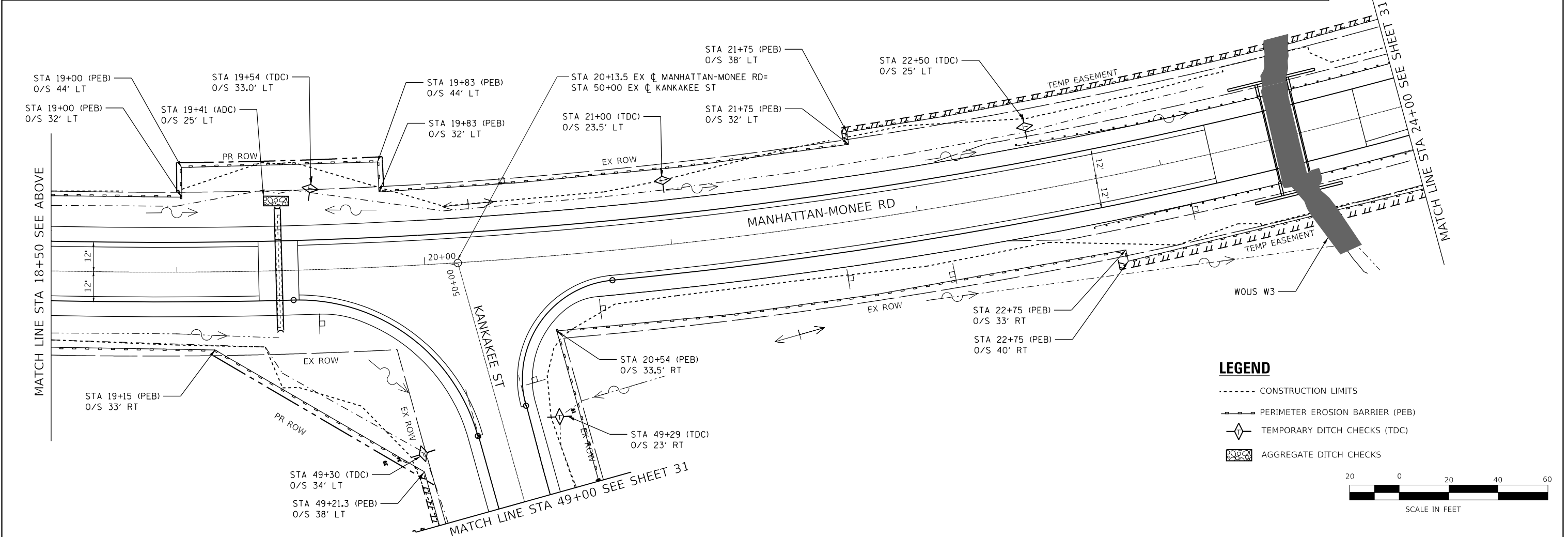
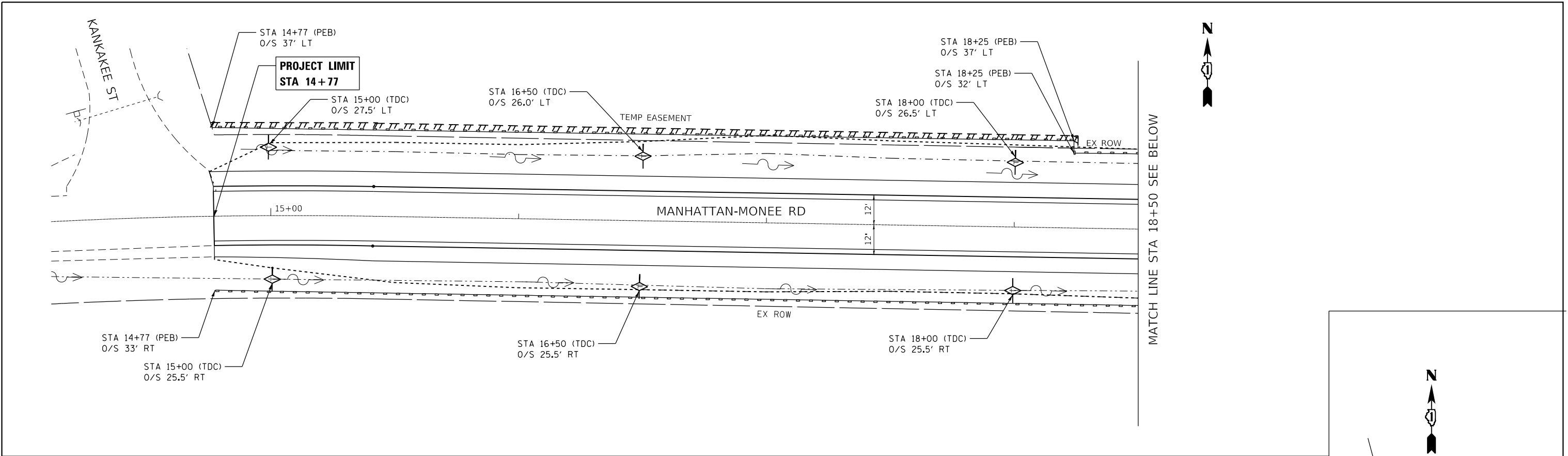
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	DRAWN - JN	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL NOTES
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	28
CONTRACT NO.				62G85
ILLINOIS FED. AID PROJECT				



LEGEND

- CONSTRUCTION LIMITS
- PERIMETER EROSION BARRIER (PEB)
- ◇ TEMPORARY DITCH CHECKS (TDC)
- ▣ AGGREGATE DITCH CHECKS



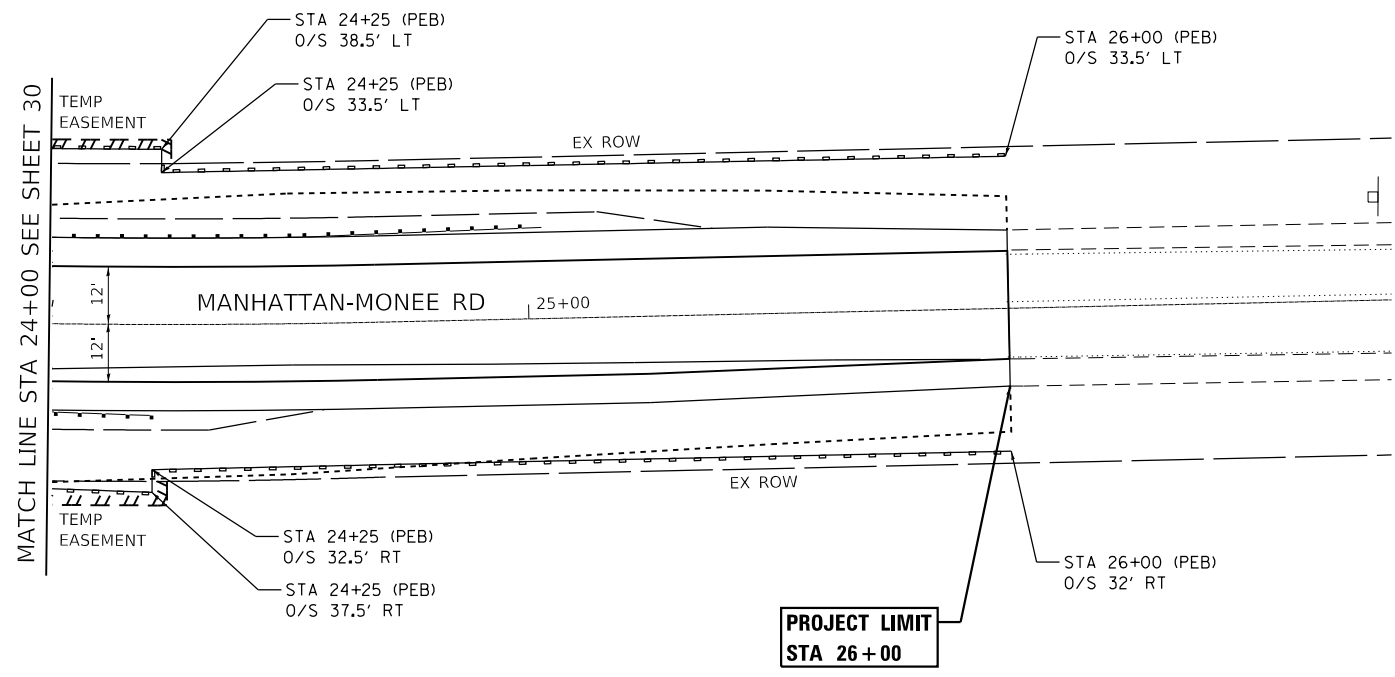
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PLOT SCALE = 40.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: 1"=20' SHEET 1 OF 4 SHEETS STA. 14+72 TO STA. 24+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	29
				CONTRACT NO. 62G85
ILLINOIS FED. AID PROJECT				



LEGEND

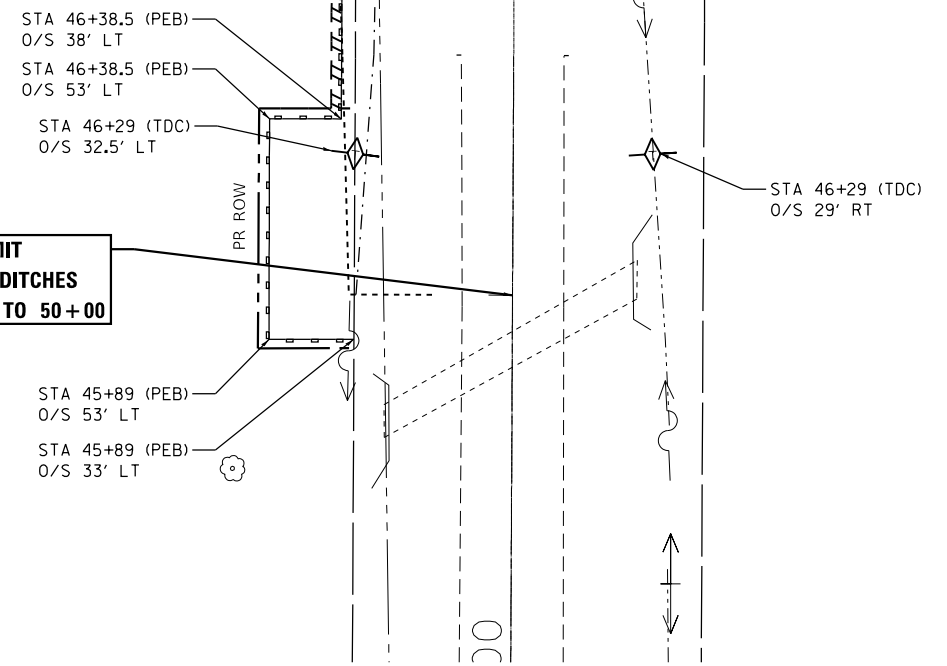
- CONSTRUCTION LIMITS
- PERIMETER EROSION BARRIER (PEB)
- ◇ TEMPORARY DITCH CHECKS (TDC)
- ⊗ AGGREGATE DITCH CHECKS

SCALE IN FEET

MATCH LINE STA 49+00 SEE SHEET 30

RESURFACING PROJECT LIMITS
STA 47+77.5 TO STA 50+00

PROJECT LIMIT REGRADING DITCHES
STA 46+00 TO 50+00



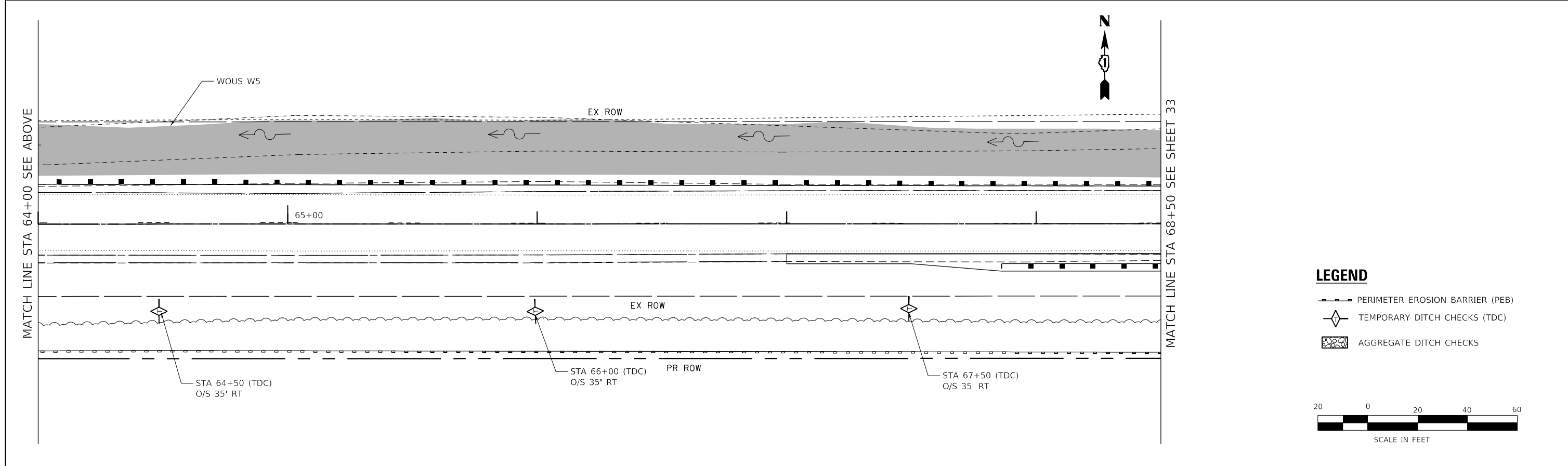
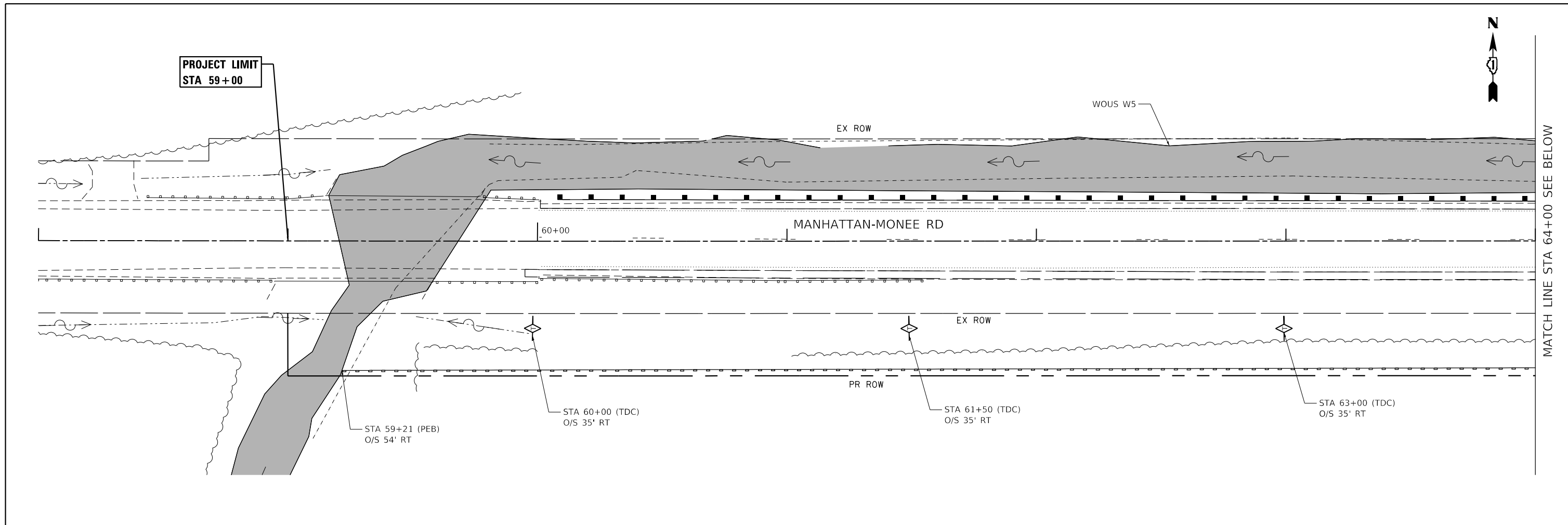
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DRAWN - JN	REVISED -	
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PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)

F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 30
CONTRACT NO. 62G85				ILLINOIS FED. AID PROJECT

SCALE: 1"=20' SHEET 2 OF 4 SHEETS STA. 24+00 TO STA. 26+00



- LEGEND**
- PERIMETER EROSION BARRIER (PEB)
 - TEMPORARY DITCH CHECKS (TDC)
 - AGGREGATE DITCH CHECKS



USER NAME = johnn	DESIGNED - JMT	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN - I
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

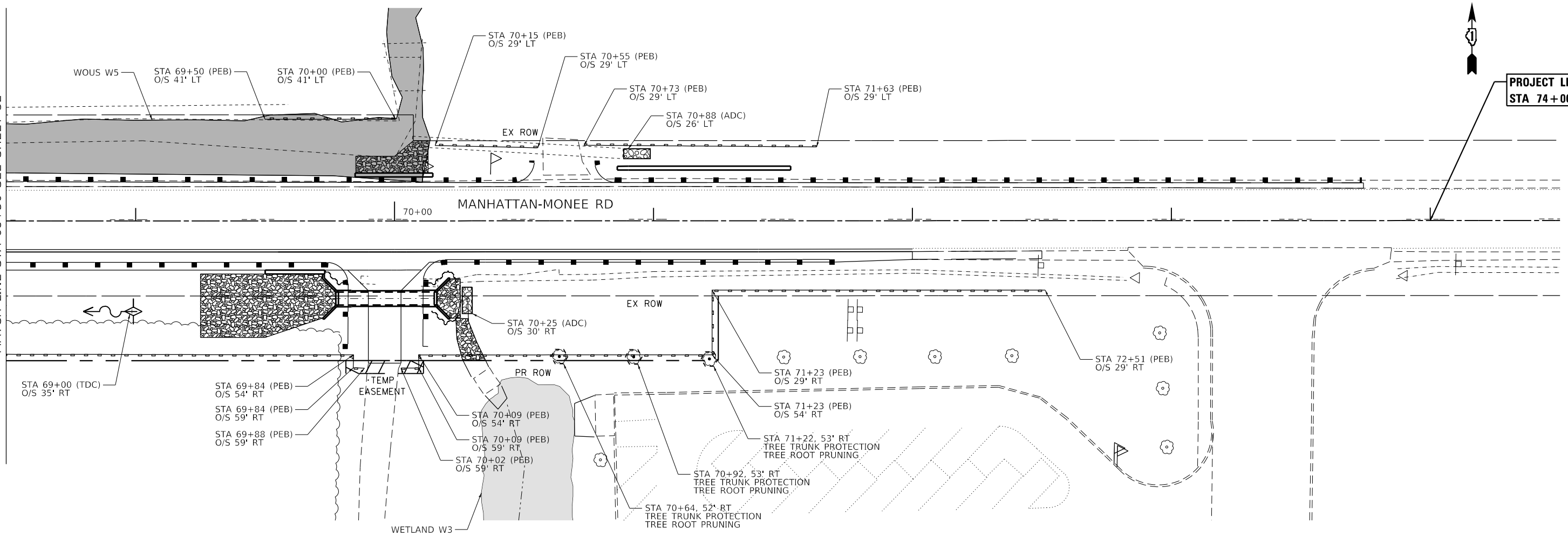
SCALE: 1"=20' SHEET 3 OF 4 SHEETS STA. 59+00 TO STA. 68+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	31
				CONTRACT NO. 62G85
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 68+50 SEE SHEET 32



PROJECT LIMIT
STA 74+00



NOTE: POST "WETLAND- NO INTRUSION" SIGN AT THE ROW

LEGEND

- PERIMETER EROSION BARRIER (PEB)
- TEMPORARY DITCH CHECKS (TDC)
- AGGREGATE DITCH CHECKS (ADC)
- TREE TRUNK PROTECTION



USER NAME = johnn	DESIGNED - JMT	REVISED -
DRAWN - JN	REVISOR -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

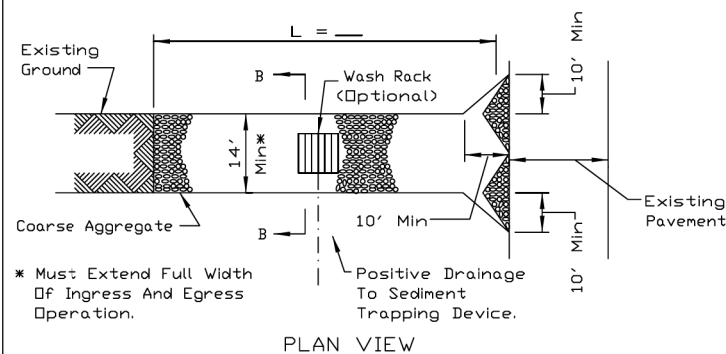
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL PLAN - II
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)

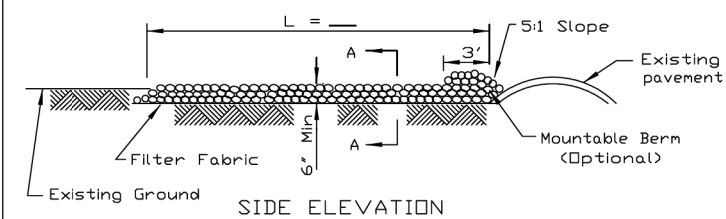
SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. 68+50 TO STA. 72+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	32
CONTRACT NO.				62G85
ILLINOIS FED. AID PROJECT				

STABILIZED CONSTRUCTION ENTRANCE PLAN



PLAN VIEW



SIDE ELEVATION

NOTES:

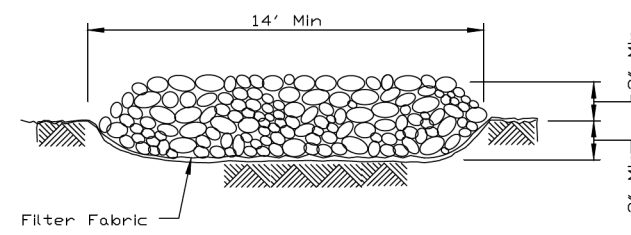
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table I or 2, Class I, II or IV and shall be placed over the cleared area prior to the placing of rock.
2. Rock or reclaimed concrete shall meet one of the following IDOT coarse aggregate gradation, CA-1, CA-2, CA-3 or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. Any drainage facilities required because of washing shall be constructed according to manufacturers specifications.
4. If wash racks are used they shall be installed according to the manufacturer's specifications.

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____

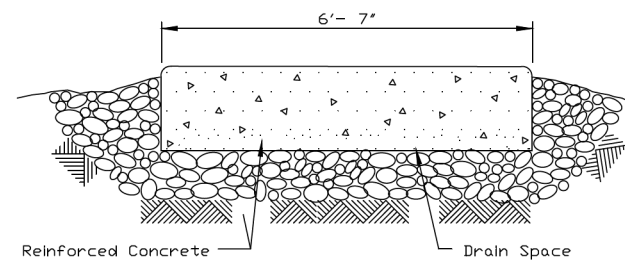


STANDARD DWG. NO.	IL-630
SHEET	1 OF 2
DATE	8-18-94

STABILIZED CONSTRUCTION ENTRANCE PLAN



SECTION A-A

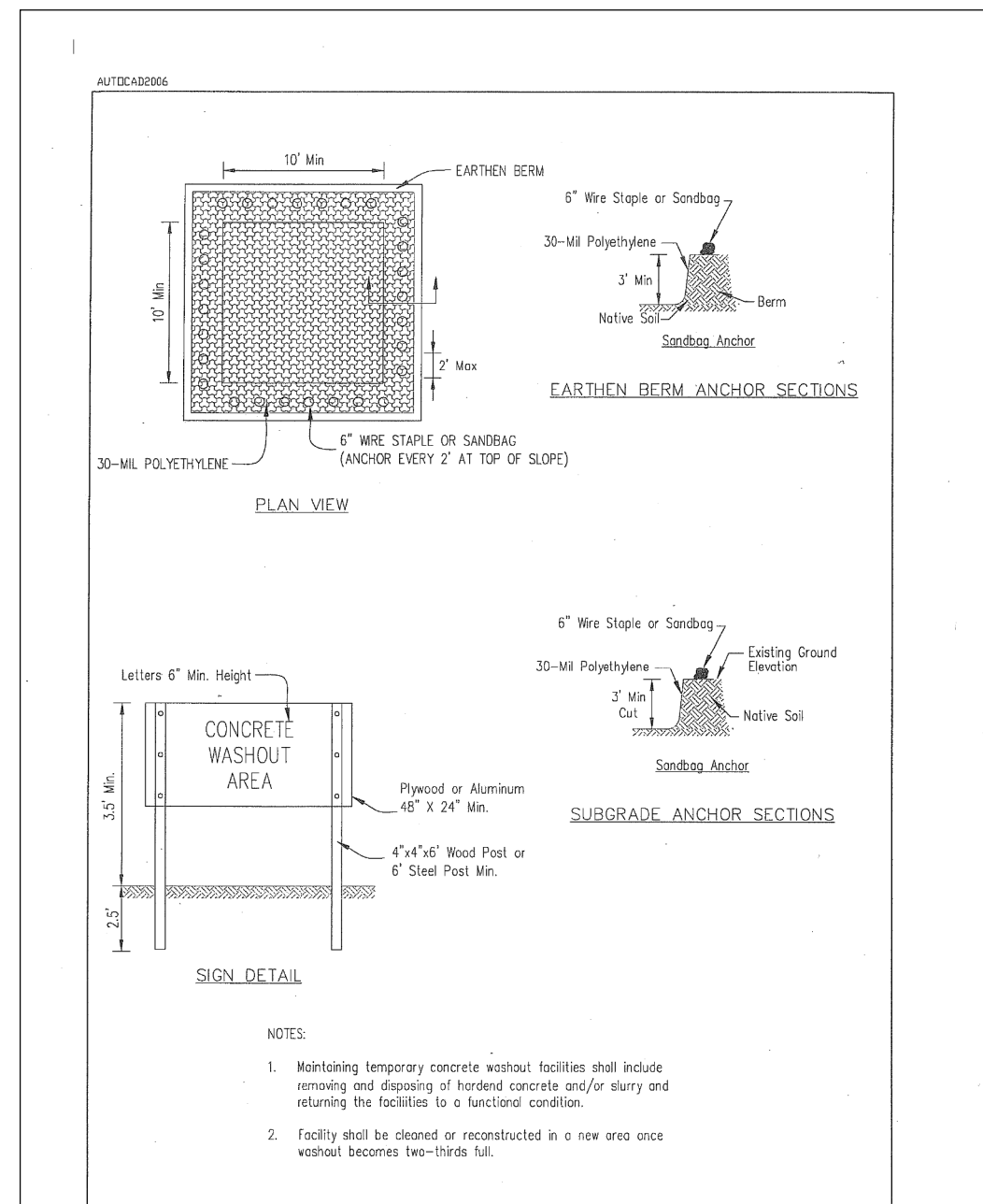
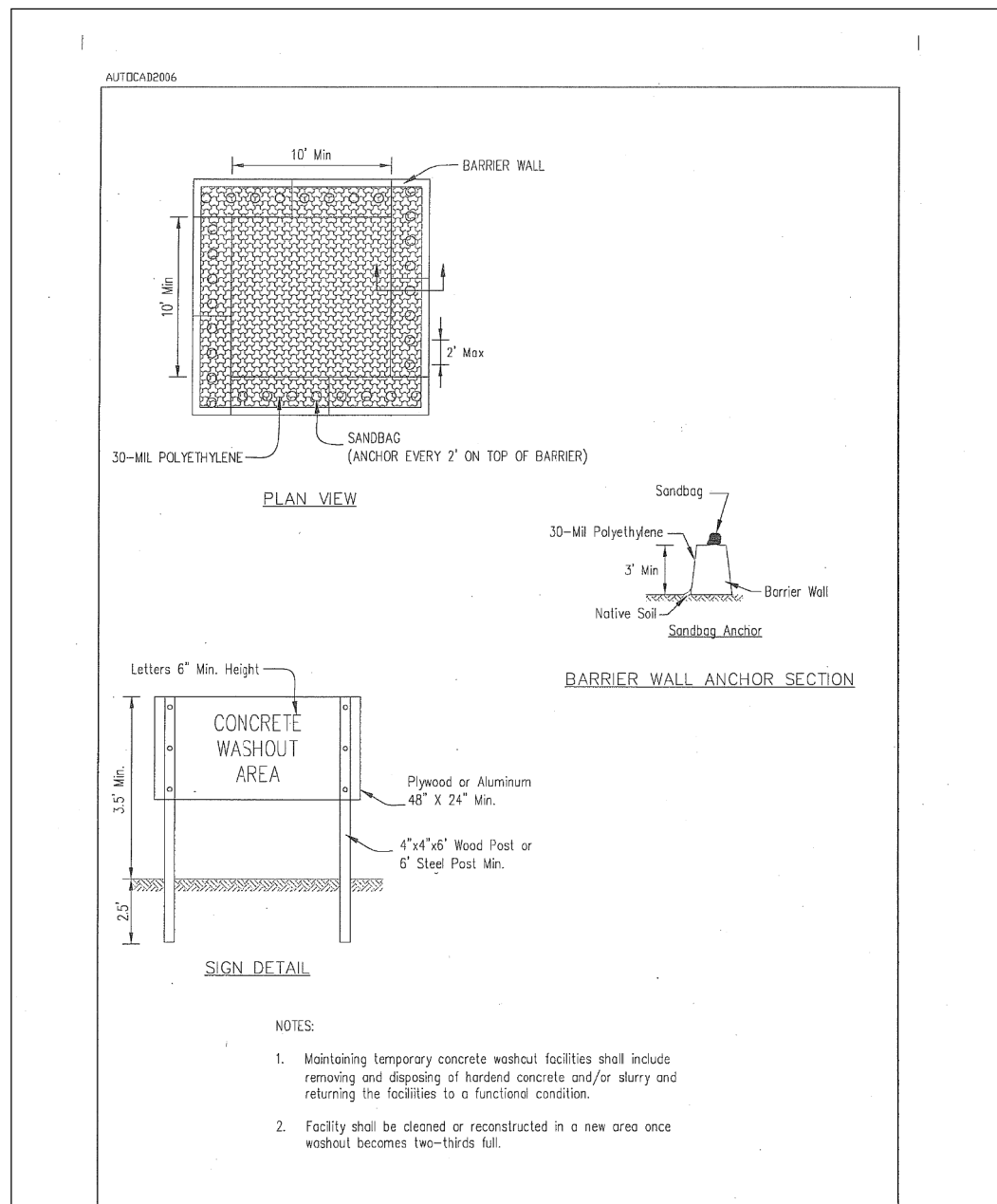


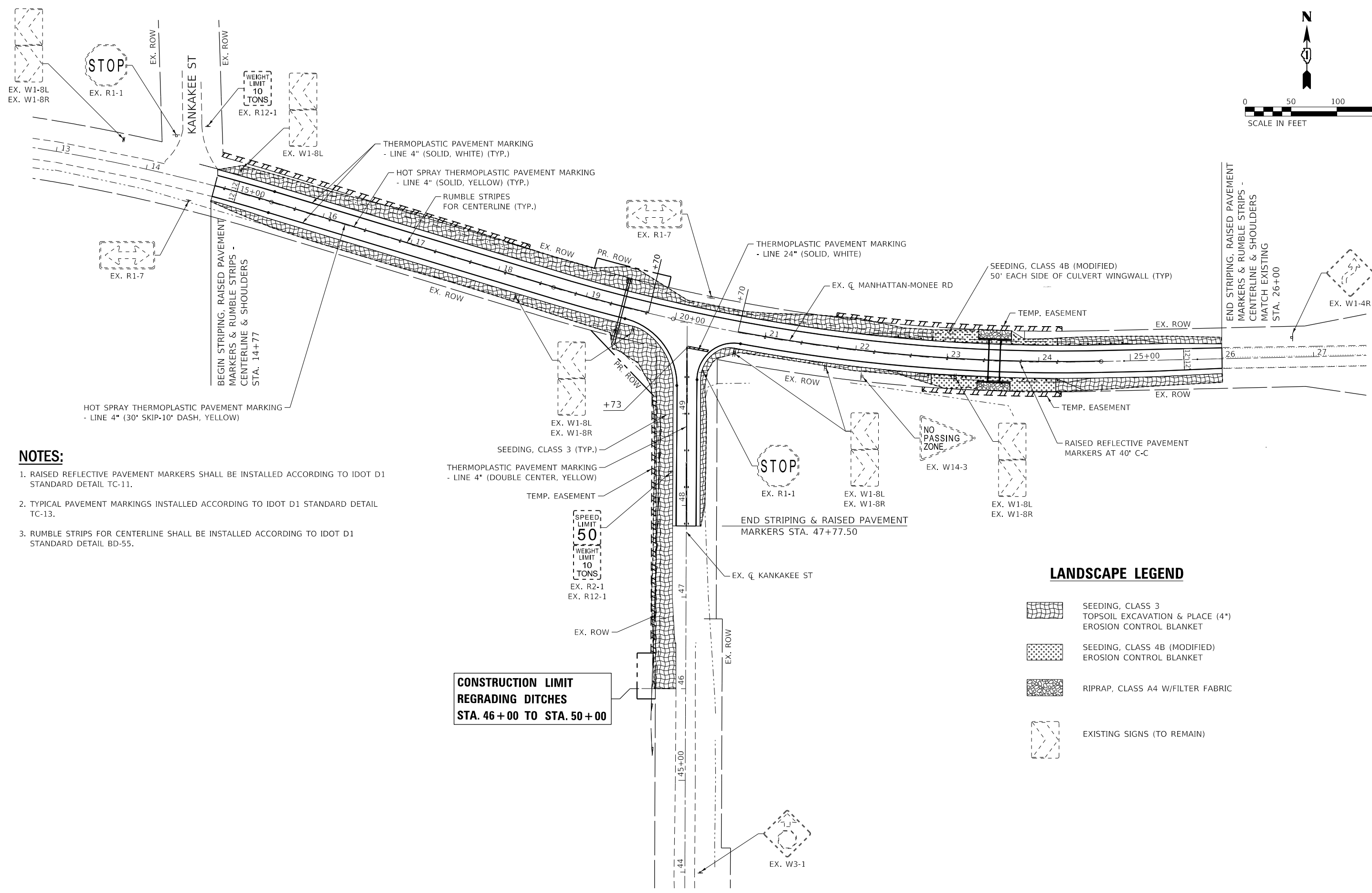
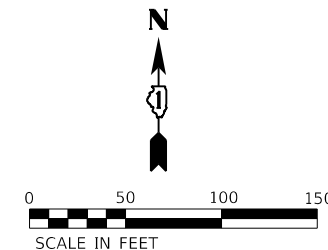
SECTION B-B

REFERENCE	
Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-630
SHEET	2 OF 2
DATE	8-18-94





NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE INSTALLED ACCORDING TO IDOT D1 STANDARD DETAIL TC-11.
2. TYPICAL PAVEMENT MARKINGS INSTALLED ACCORDING TO IDOT D1 STANDARD DETAIL TC-13.
3. RUMBLE STRIPES FOR CENTERLINE SHALL BE INSTALLED ACCORDING TO IDOT D1 STANDARD DETAIL BD-55.

LANDSCAPE LEGEND

- SEEDING, CLASS 3
TOPSOIL EXCAVATION & PLACE (4")
EROSION CONTROL BLANKET
- SEEDING, CLASS 4B (MODIFIED)
EROSION CONTROL BLANKET
- RIPRAP, CLASS A4 W/FILTER FABRIC
- EXISTING SIGNS (TO REMAIN)

MODEL: S:\MODELS\MANMETS
FILE: MANMETS_SHEETS



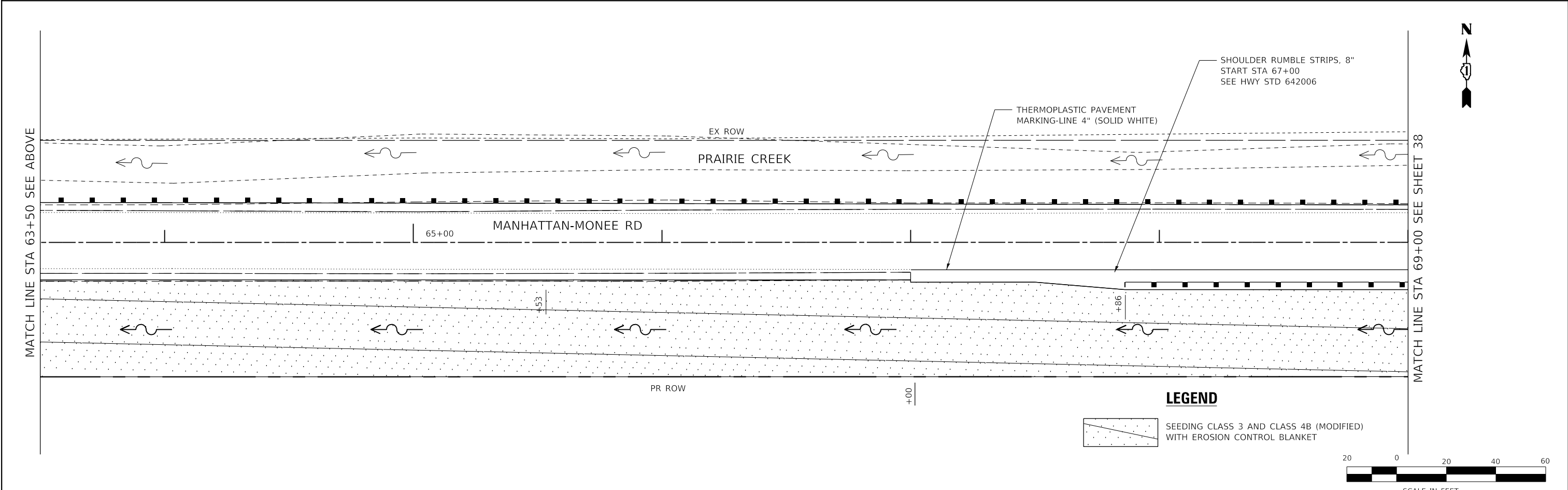
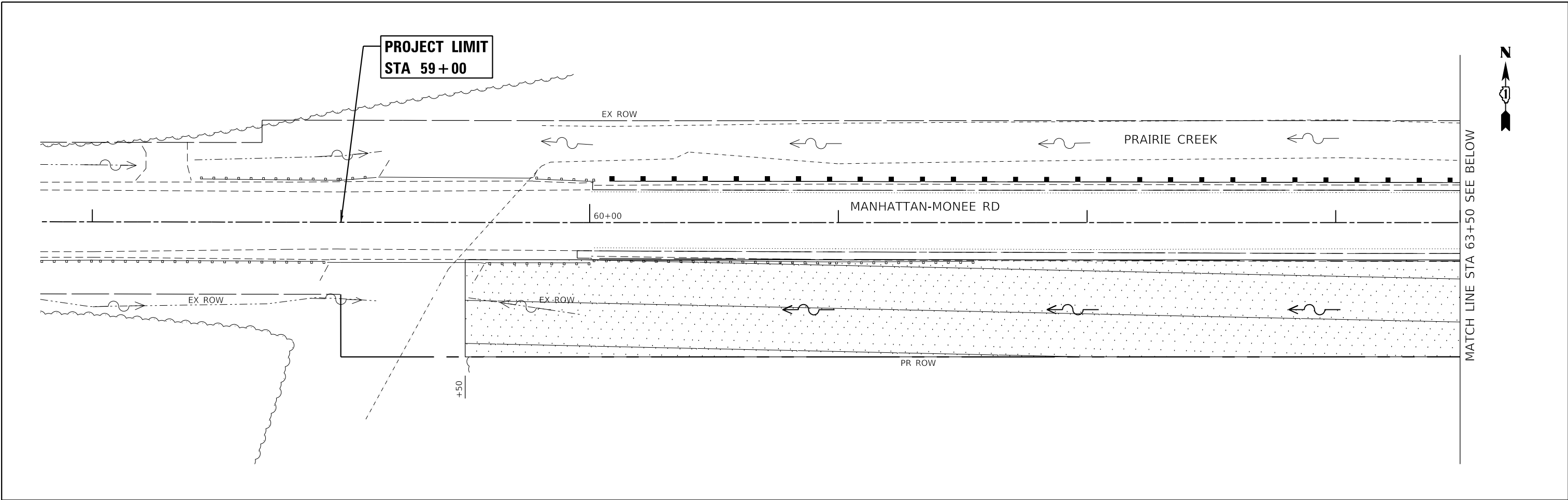
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PLOT DATE = \$DATES	DATE - 1/7/2020	REVISED -

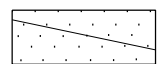
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

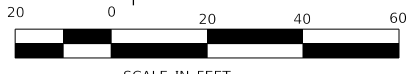
**MANHATTAN-MONEE RD
PAVEMENT MARKING AND LANDSCAPE PLAN**

SCALE: 1:50 SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	35
CONTRACT NO. 62G85			ILLINOIS FED. AID PROJECT	



LEGEND
 SEEDING CLASS 3 AND CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET

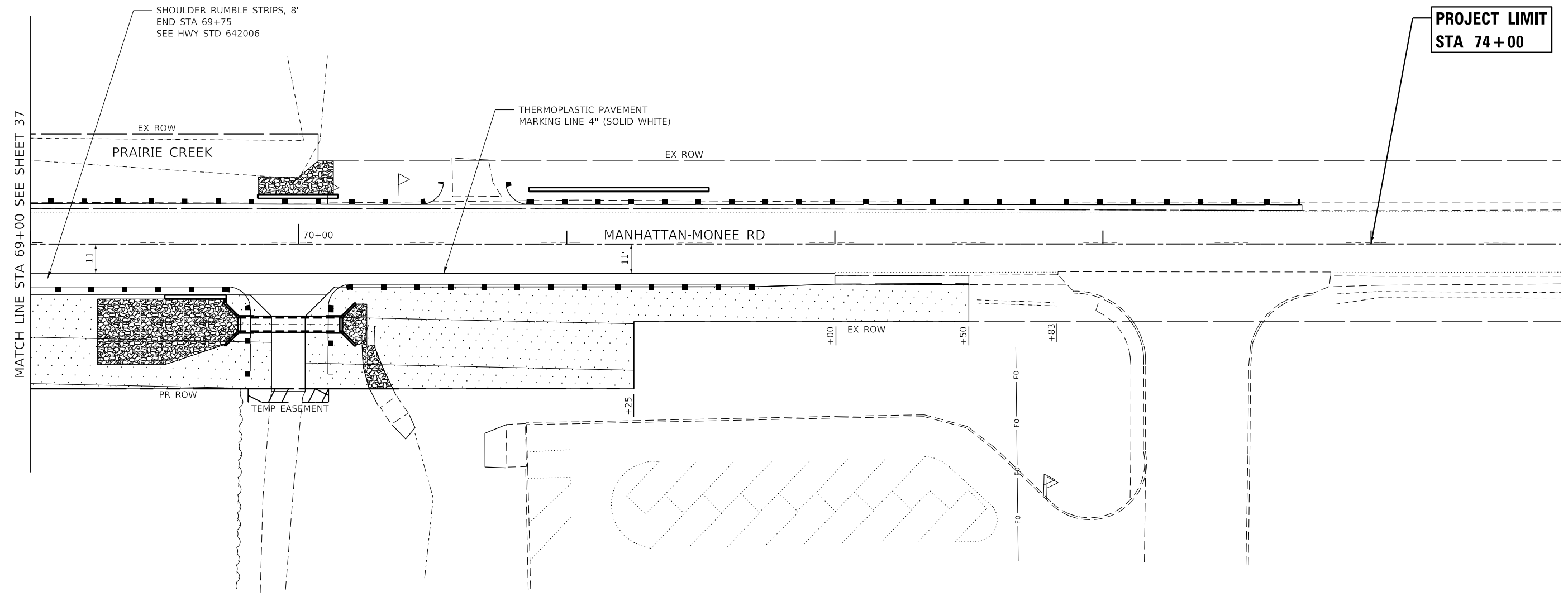


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PLOT SCALE = 40.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09/12/2019	REVISED -

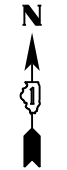
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND LANDSCAPING PLAN
 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**
 SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 59+00 TO STA. 69+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	36
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



PROJECT LIMIT
STA 74+00



MATCH LINE STA 69+00 SEE SHEET 37

LEGEND

 SEEDING CLASS 3 AND CLASS 4B (MODIFIED) WITH EROSION CONTROL BLANKET



USER NAME = TMiller	DESIGNED - JMT	REVISED -
DRAWN - JN	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09/12/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND LANDSCAPING PLAN
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. 69+00 TO STA. 72+50

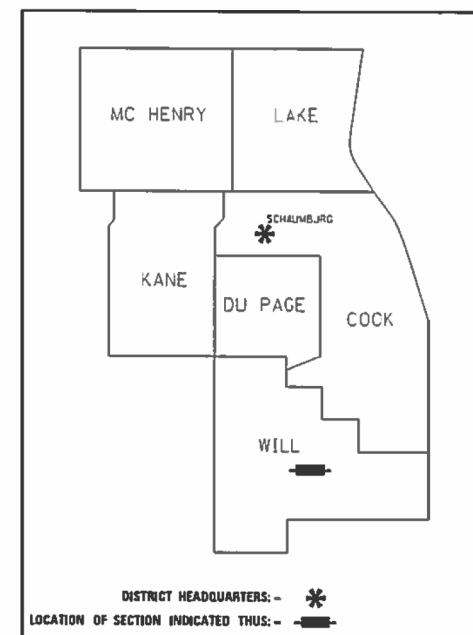
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	37
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

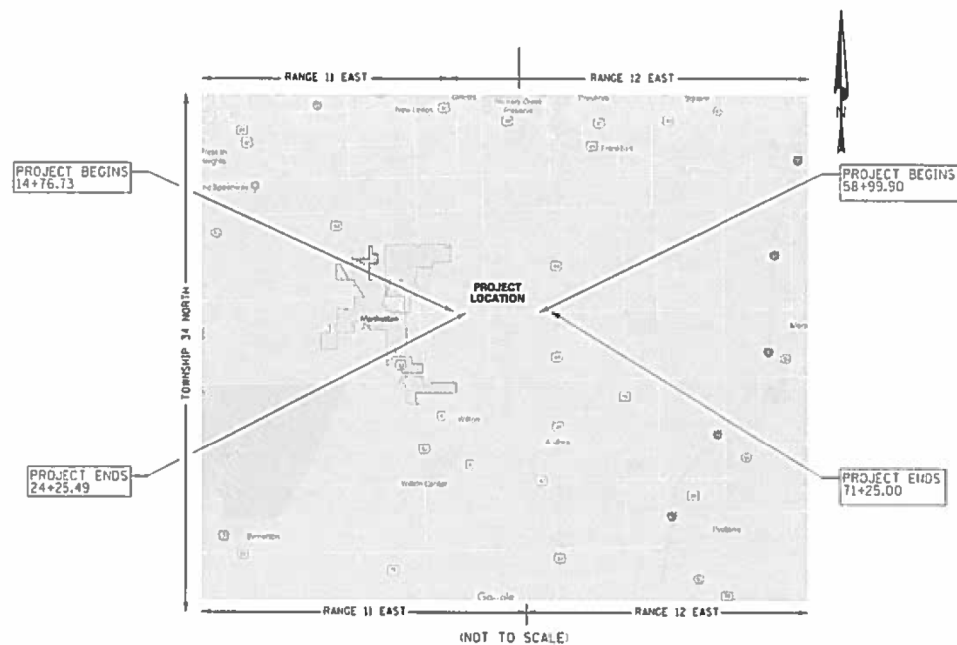
PLAT OF HIGHWAYS

ROUTE: W MANHATTAN - MONEE ROAD
SECTION:
COUNTY: WILL COUNTY
LIMITS: OVER DITCHES
JOB NO.: R-91-002-17

PARCEL NUMBER	OWNER	SHEET NUMBER	PROPERTY ACQUIRED BY
IN30001	RUTA O. SULA, AS TRUSTEE OF THE SULA MATERNAL TRUST AGREEMENT DATED JUNE 29, 2002 AND REVISED MAY 15, 2012	2 & 4	
IN30002	IRENE SALLESE	3	
IN30003	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO FRANKFORT STATE BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED MARCH 24, 1988 KNOWN AS TRUST NO. 343	2 & 3	
IN30004	MAYNARD P. WERNER, AS TO AN UNDIVIDED 1/2 INTEREST; AND RANDY HEINSCH AND PAMELA J. HEINSCH, HUSBAND AND WIFE, AS JOINT TENANTS, AS TO AN UNDIVIDED 1/2 INTEREST	5	
IN30005	STORAGE SQUARES LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	6	



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



LOCATION MAP

LENGTH = 948.76 FT. = 0.180 MILE
LENGTH = 1225.10 FT. = 0.232 MILE

DO NOT USE ONLY

APPROVED

BY: [Signature]

MODEL: D:\m\p\...
FILE NAME: S:\2018\1811811042-AES IDOT_PTB_185-02\W015-62G85-Manhattan_Monee\CADD\CADD_Sheets\115-D152G85-plt-PlatofHighways.dgn



USER NAME = mokrent	DESIGNED - MO	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 1/24/2020	CHECKED - JA	REVISED -
	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

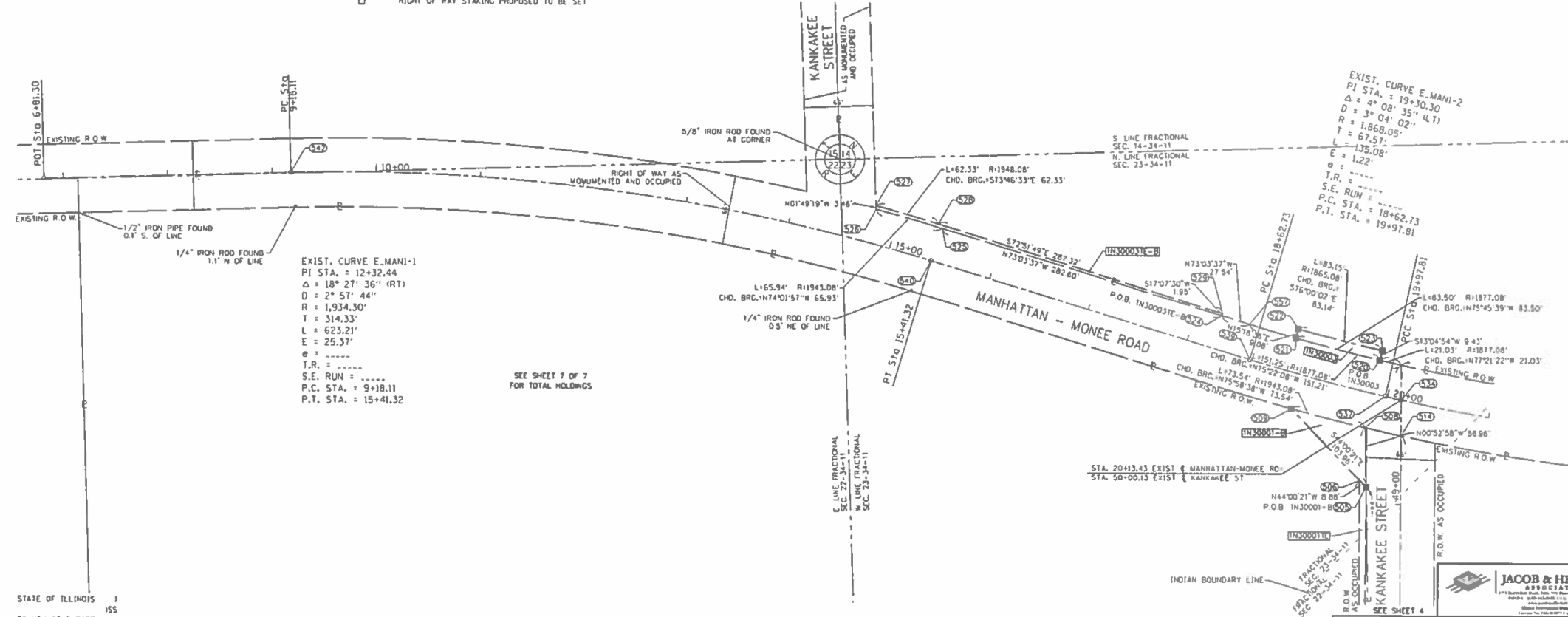
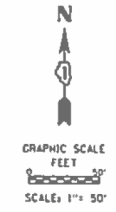
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	38
				CONTRACT NO. 62G85
		ILLINOIS	FED. AID PROJECT	

PART OF THE SW 1/4 OF SECTION 14, THE NW 1/4 OF SECTION 23, THE NE 1/4 OF SECTION 22, TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY IDEED LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- 1/2" IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- 1/4" IRON ROD BURIED 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET
- *1/4" NAIL SET
- *5 / 8" REBAR SET

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
IN30001	39.340	1-A 0.031	0.007 (293 SF)	39.263	0.057	2,478	14-12-22-200-007
		1-B 0.046	N/A				
IN30002	38.770	N/A	N/A	38.770	0.021	913	14-12-23-100-006
IN30003	210.000	0.018	N/A	209.982	TE-A 0.021	933	14-12-14-300-001
					TE-B 0.021	896	



STATE OF ILLINOIS
COUNTY OF DUPAGE

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (I.E. JACOB AND HEFNER ASSOCIATES, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073.) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 14, 22 AND 23, TOWNSHIP 34 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DOWNERS GROVE, ILLINOIS THIS 17TH DAY OF AUGUST, 2018 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRD". ALL MEASURED AND CALCULATED DISTANCES ARE "GRD" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999555072. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: / / REVISION MADE BY:



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
MANHATTAN - MONEE ROAD

LIMITS: AT KANKAKEE STREET COUNTY: WILL
SECTION: STA. 6+81.30 TO STA. 21+00.00 JOB NO.: R-91-002-17
SCALE: 1"=50' SHEET 2 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

RECEIVED
OCT 26 2018
PLATS & LEGALS

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USER NAME = mokrent	DESIGNED - MO	REVISED -
	DRAWN - TOM	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	39
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

PART OF THE SW 1/4 OF SECTION 14, AND THE NW 1/4 OF SECTION 23, TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

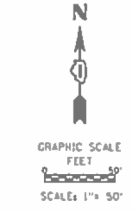
LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINE
 PROPERTY IDEED LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

129.52'
 129.31' (103MP)
 129.33'

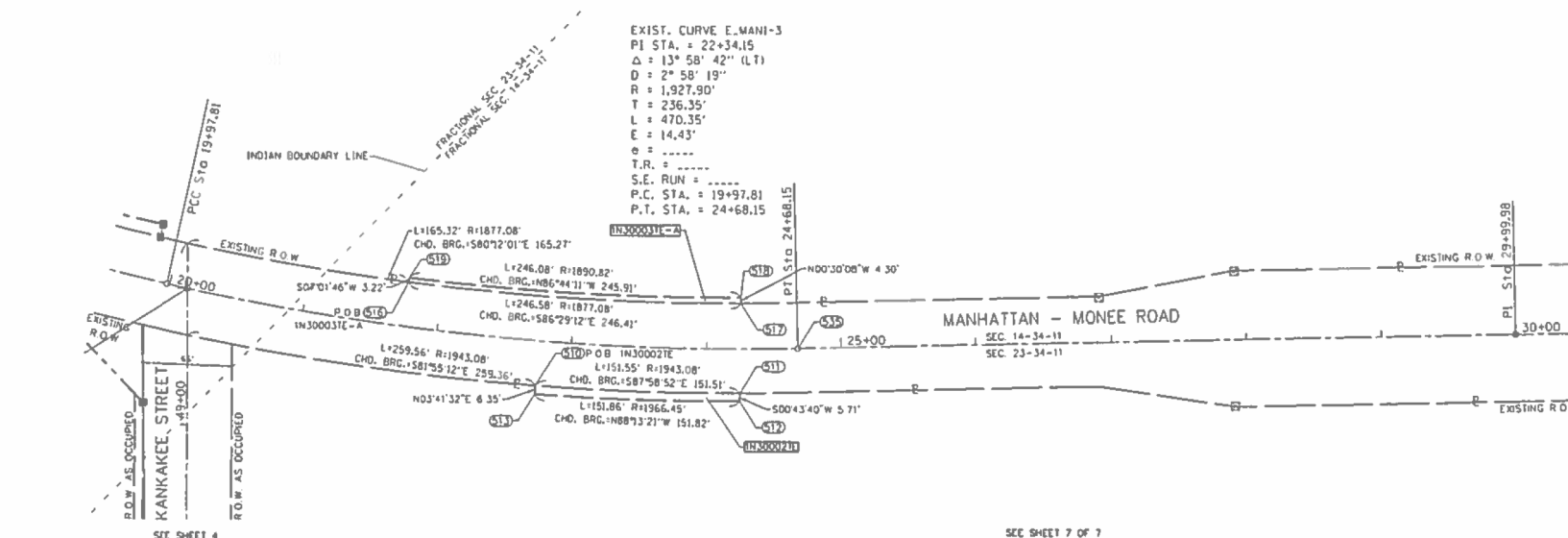
- IRON PIPE OR ROD FOUND
- "MAC" NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTAL SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTAL, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTAL, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IN30001	39.340	1-A 0.031	0.007 (293 SF)	39.263	0.057	2,478	14-12-22-200-007
		1-B 0.046	N/A				
IN30002	38.770	N/A	N/A	38.770	0.021	913	14-12-23-100-006
IN30003	210.000	0.018	N/A	209.982	E-A 0.021	933	14-12-14-300-001
					E-B 0.021	896	



PROJECT COORDINATES

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
501	1732816.773	1091670.515	45+88.84	26.65' LT.
502	1732866.773	1091669.784	46+38.84	27.63' LT.
503	1732866.743	1091643.254	46+38.70	54.16' LT.
504	1732816.743	1091643.041	45+88.69	54.16' LT.
505	1733144.212	1091665.549	19+99.11	88.97' RT.
506	1733150.599	1091659.341	49+22.62	39.28' LT.
507	1732866.760	1091658.215	46+38.78	39.16' LT.
508	1733201.170	1091664.622	19+86.03	33.63' RT.
509	1733218.990	1091593.283	19+13.79	33.79' RT.
510	1733157.188	1091955.565	22+75.57	32.96' RT.
511	1733151.851	1092107.090	24+24.58	32.46' RT.
512	1733146.144	1092106.918	24+24.51	38.17' RT.
513	1733150.854	1091955.116	22+75.65	39.31' RT.
514	1733193.643	1091898.816	49+65.83	0.00' LT.
515	1733261.084	1091899.053	20+06.44	32.41' LT.
516	1733232.954	1091861.950	21+74.60	32.76' LT.
517	1733217.853	1092107.864	24+25.49	33.54' LT.
518	1733222.155	1092107.816	24+25.46	37.84' LT.
519	1733236.154	1091862.345	21+74.57	35.86' LT.
520	1733265.688	1091678.571	19+85.04	32.37' LT.
521	1733266.225	1091597.640	19+00.06	32.18' LT.
522	1733294.986	1091600.012	19+00.00	41.26' LT.
523	1733274.873	1091680.755	19+85.04	41.80' LT.
524	1733307.302	1091526.445	18+25.17	32.12' LT.
525	1733389.642	1091256.125	15+42.57	32.70' LT.
526	1733407.780	1091192.715	14+77.71	32.78' LT.
527	1733411.242	1091192.625	14+76.73	36.10' LT.
528	1733393.827	1091252.454	15+37.93	35.65' LT.
529	1733309.169	1091527.020	18+25.18	34.07' LT.
530	1730509.282	1091706.111		SECTION CORNER
531	1732904.304	1091669.206	46+76.37	28.37' LT.
532	1732904.186	1091697.573	46+76.37	0.00' LT.
533	1732727.818	1091696.822	POT 45+00.00	0.00' LT.
534	1733227.845	1091698.972	POC 20+13.43	0.00' LT.
535	1733184.808	1092150.970	PT 24+68.15	0.00' LT.
536	1733112.207	1092106.822		RADIUS POINT
537	1733231.311	1091683.700	PCC 19+97.81	0.00' LT.
538	1733683.815	1092090.647		RADIUS POINT
539	1733265.684	1091553.019	PC 18+62.73	0.00' LT.
540	1733158.700	1091245.426	PT 15+41.32	0.00' LT.
541	1733107.154	1090965.704		RADIUS POINT
542	1733440.667	1090830.344	PC 09+18.11	0.00' LT.
543	1733494.469	1104959.881	56+84.61	0.53' LT.
544	1733465.693	1104960.440	56+84.58	28.25' RT.
545	1733470.161	1105175.711	58+99.95	28.15' RT.
546	1733493.242	1106287.976	70+12.36	29.27' RT.
547	1733466.301	1106288.477	70+12.27	56.21' RT.
548	1733441.799	1105176.386	59+00.00	56.52' RT.
549	1733521.934	1106287.442	70+12.45	0.57' RT.
550	1733495.578	1106401.542	71+25.00	29.40' RT.
551	1733468.784	1106401.122	71+25.00	56.27
552	1733549.383	1107814.215		SECTION CORNER
553	1733488.162	1104674.814	POT 53+99.47	0.00' LT.
554	1733500.329	1105275.217	PI 60+00.00	0.00' LT.
555	1733512.233	1106274.960	PI 70+00.00	0.00' LT.
556	1733544.136	1107274.737	POT 80+00.00	0.00' LT.
557	1733299.279	1091562.787	18+52.71	32.06' LT.
558	1733529.688	1106662.215	73+87.34	1.03' RT.
559	1733501.019	1106662.773	73+87.23	29.70' RT.



STATE OF ILLINOIS)
) 155
 COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, THE JACOBS AND HEFNER ASSOCIATES, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-005013, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 14 AND 23, TOWNSHIP 34 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DOWNERS GROVE, ILLINOIS THIS 17TH DAY OF AUGUST, 2018 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 03-003535
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, OXIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.999955072. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: / / REVISION MADE BY:

IDOT USE ONLY

RECEIVED
 OCT 26 2018
 PLATS & LEGALS

JACOBS & HEFNER ASSOCIATES
 1111 Kankakee Street, Suite 101, Downers Grove, IL 60155
 Phone: 630-288-1111 Fax: 630-288-1112
 www.jacobshaf.com

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 MANHATTAN - MONEE ROAD

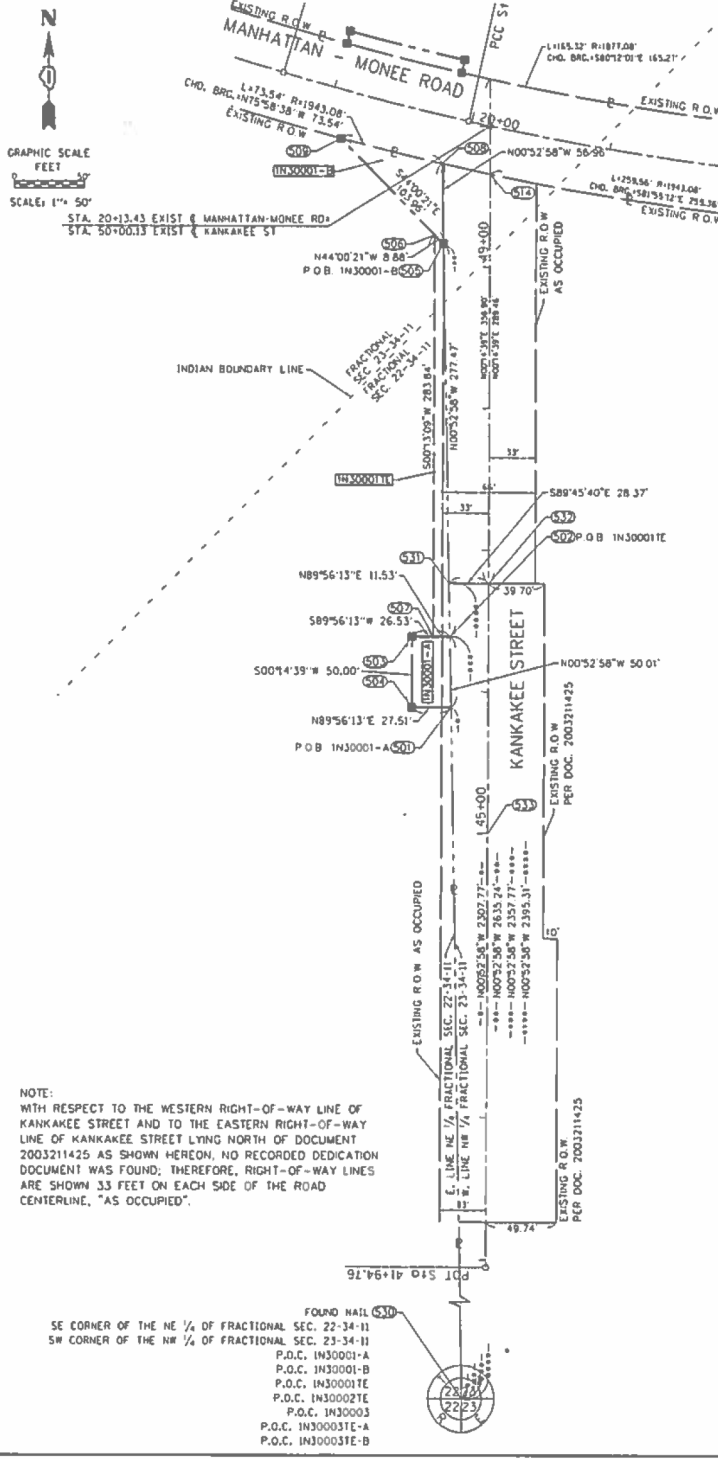
LIMITS: AT KANKAKEE STREET COUNTY: WILL
 SECTION: STA. 19+50.00 TO STA. 30+00.00 JOB NO.: R-91-002-17
 SCALE: 1"=50' SHEET 3 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

USER NAME = mokrent	DESIGNED - MO	REVISED -
	DRAWN - TOM	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/7/2020	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	40
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

PART OF THE NE 1/4 OF SECTION 22, AND THE NW 1/4 OF SECTION 23, TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



LEGEND

- SECTION / QUARTER SECTION CORNER
- PLATTED LOT LINES
- PROPERTY IDEED LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "HAG" NAIL SET
- 5 / 8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
IN30001	39.340	1-A 0.031	0.007 (293 SF)	39.263	0.057	2,418	14-12-22-200-007
		1-B 0.046	N/A				
IN30002	38.710	N/A	N/A	38.710	0.021	913	14-12-23-100-006
IN30003	210.000	0.018	N/A	209.982	1-E 0.024	933	14-12-14-300-001
					1-F 0.024	896	

NOTE:
WITH RESPECT TO THE WESTERN RIGHT-OF-WAY LINE OF KANKAKEE STREET AND TO THE EASTERN RIGHT-OF-WAY LINE OF KANKAKEE STREET LYING NORTH OF DOCUMENT 2003211425 AS SHOWN HEREON, NO RECORDED DEDICATION DOCUMENT WAS FOUND; THEREFORE, RIGHT-OF-WAY LINES ARE SHOWN 33 FEET ON EACH SIDE OF THE ROAD CENTERLINE, "AS OCCUPIED".

STATE OF ILLINOIS)
) 155
COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (I.E. JACOB AND WEFNER ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 22 AND 23, TOWNSHIP 34 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DORNERS GROVE, ILLINOIS THIS 17TH DAY OF AUGUST, 2018 A.D.

NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999555072. AREAS SHOWN ON THIS PLAT ARE "GROUND".



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
MANHATTAN - MONEE ROAD

LIMITS: AT KANKAKEE STREET COUNTY: WILL
SECTION: 531 JOB NO.: R-91-002-17
STA. 41+94.76 TO STA. 51+33.27 SHEET 4 OF 7 SHEETS
SCALE: 1"=50'

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION DATE: / / REVISION MADE BY:

DO NOT USE ONLY
RECEIVED
OCT 26 2018
PLATS & LEGALS

MODEL: D:\mif... FILE NAME: S:\2018\181181042-AES IDOT_PTB_185-02\W015-62G85-Manhattan_Monee\CADD\CADD_SHEET\115-D-62G85-sh-PlatHighways.dgn



USER NAME = mokrent	DESIGNED - MO	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 1/24/2020	CHECKED - JA	REVISED -
	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

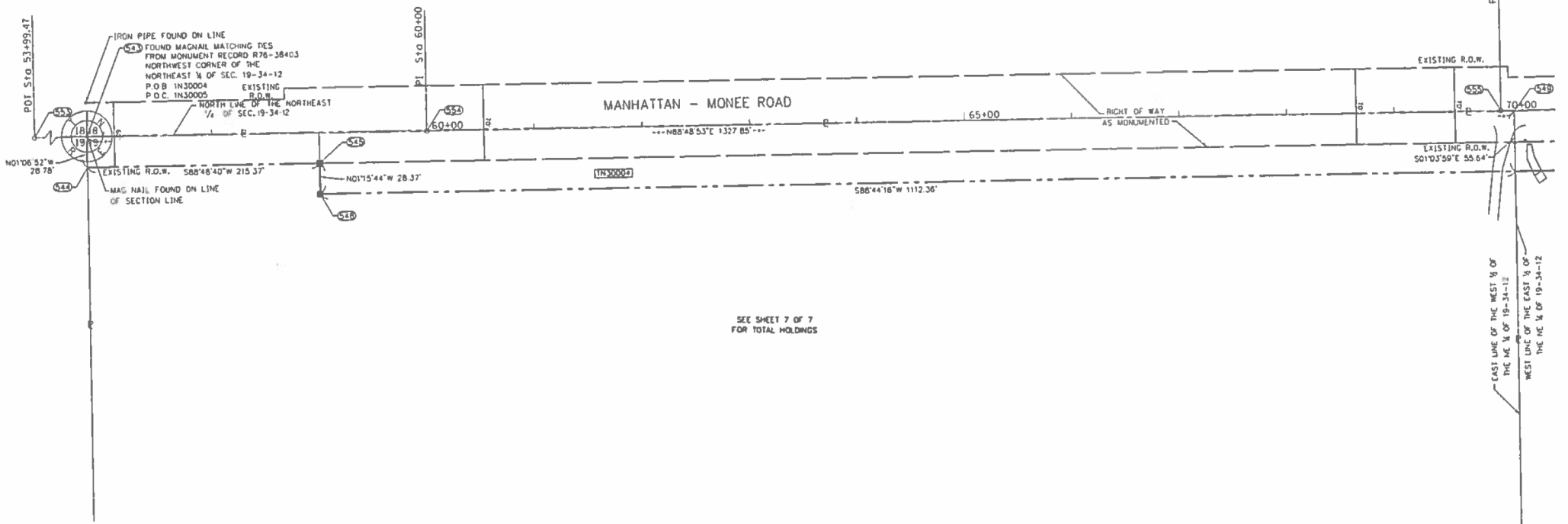
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	41
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

PART OF THE NE 1/4 OF SECTION 19, TWP. 34 N., R. 12 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY IDEED LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- MAG NAIL SET
- CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTAL SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTAL BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2125 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		PARCEL INDEX NUMBER
					ACRES	SQUARE FEET	
1N30004	80.000	1.582	0.815	78.418	N/A	N/A	18-13-19-200-001



SEE SHEET 7 OF 7 FOR TOTAL HOLDINGS

STATE OF ILLINOIS 1
COUNTY OF DUPAGE 3

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, OF THE JACOB AND HEFNER ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 19, TOWNSHIP 34 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DONNERS GROVE, ILLINOIS THIS 17TH DAY OF AUGUST, 2018 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995832362. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: / / REVISION MADE BY:



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
MANHATTAN - MONEE ROAD

LIMITS: SECTION: STA. 53+99.47 TO STA. 70+12.36
SCALE: 1"=50'

COUNTY: WILL
JOB NO.: R-91-002-17
SHEET 5 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

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OCT 26 2018
PLATS & LEGALS

MODEL: D:\msh\1... FILE NAME: 20180818\1811042-AES IDOT_PTB_185-02\W015-62G85-Manhattan_Monee\CADD\CADD_Sheets\115-D15-C85-sh1-PlatHighways.dgn



USER NAME = mokrent	DESIGNED - MO	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 1/24/2020	CHECKED - JA	REVISED -
	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

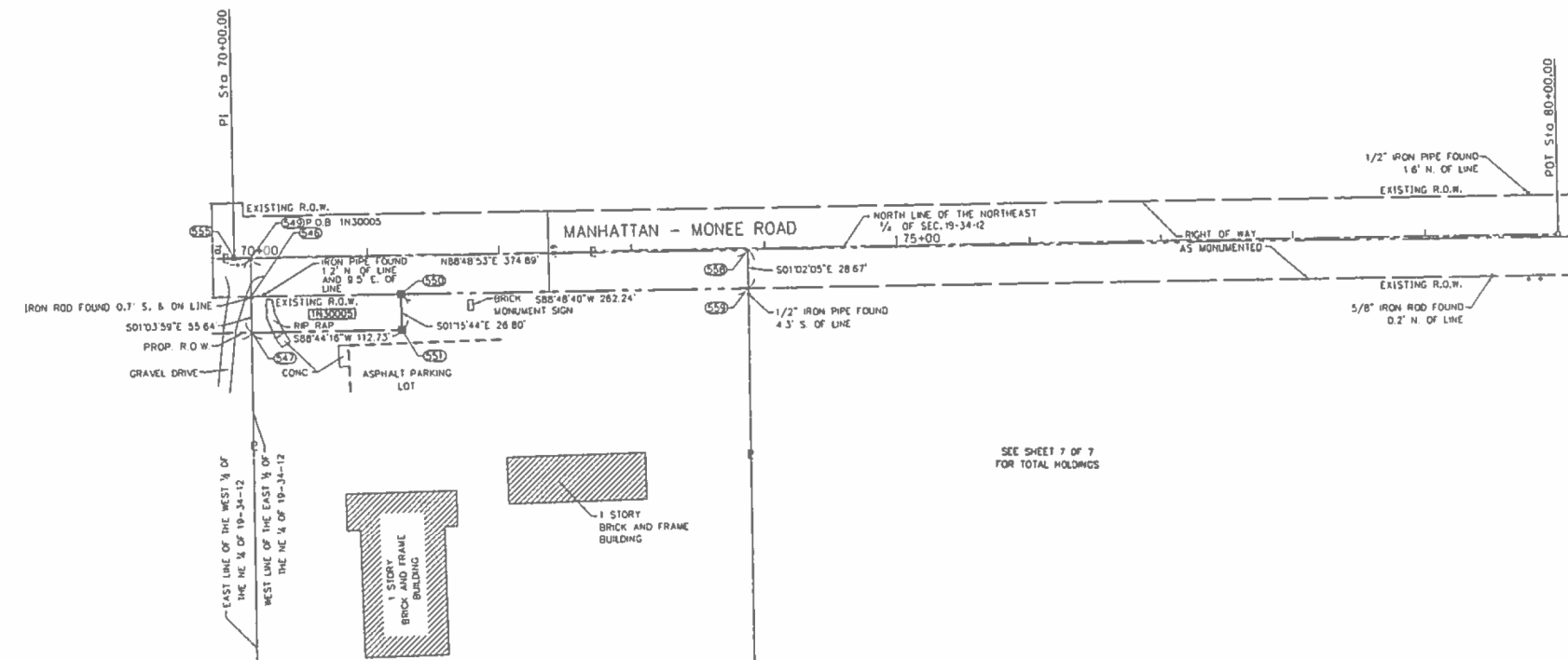
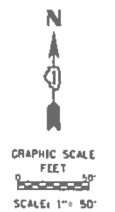
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	42
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

PART OF THE NE 1/4 OF SECTION 19, TWP. 34 N., R. 12 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION / QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- EXISTING CENTERLINE
- PROPOSED CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- MAD NAIL SET
- 5/8" REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	PARCEL INDEX NUMBER
1N30005	9.790	0.316	0.247	9.474	N/A	N/A	18-13-19-200-014



STATE OF ILLINOIS 1
 COUNTY OF DUPAGE 1

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, JACOB AND HEFNER ASSOCIATES, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003073,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 19, TOWNSHIP 34 NORTH, RANGE 12 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DOWNERS GROVE, ILLINOIS THIS 17TH DAY OF AUGUST, 2018 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED. BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.99995832362. AREAS SHOWN ON THIS PLAT ARE "GROUND".

REVISION DATE: / / REVISION MADE BY:

DO NOT USE ONLY
 RECEIVED
 OCT 26 2018
 PLATS & LEGALS

JACOB & HEFNER ASSOCIATES
 184 East of East Ave. Ste. 200 Downers Grove, IL 60130
 (630) 261-1100
 www.jacobandhefner.com

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 MANHATTAN - MONEE ROAD

LIMITS: SECTION: COUNTY: WILL
 STA. 70+2.27 TO STA. 80+00.00 JOB NO.: R-91-002-17
 SCALE: 1"=50' SHEET 6 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

MODEL: D:\dwg\185-02\W015-62G85-Manhattan_Monee\CADD\CADD_Sheets\15-D162G85-PTB-PlatHighways.dwg
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USER NAME = mokrent	DESIGNED - MO	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 1/24/2020	CHECKED - JA	REVISED -
	DATE - 1/7/2020	REVISED -

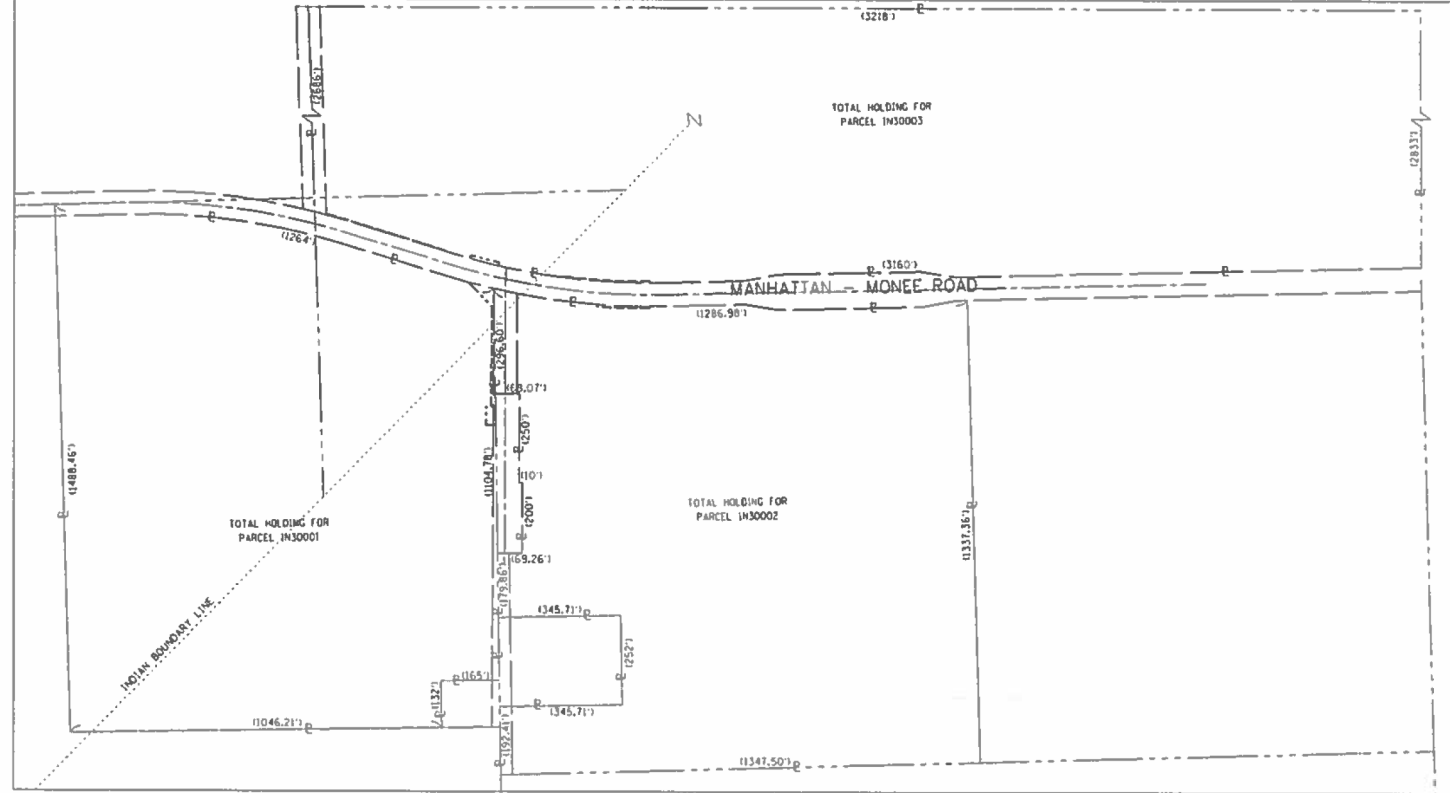
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**MANHATTAN-MONEE RD
 PLAT OF HIGHWAYS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	43
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

PART OF THE SW 1/4 OF SECTION 14, THE NW 1/4 OF SECTION 23, AND THE NE 1/4 OF SECTION 22 TWP. 34 N., R. 11 E., AND THE NE 1/4 OF SECTION 19, TWP. 34 N., R. 12 E., OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.



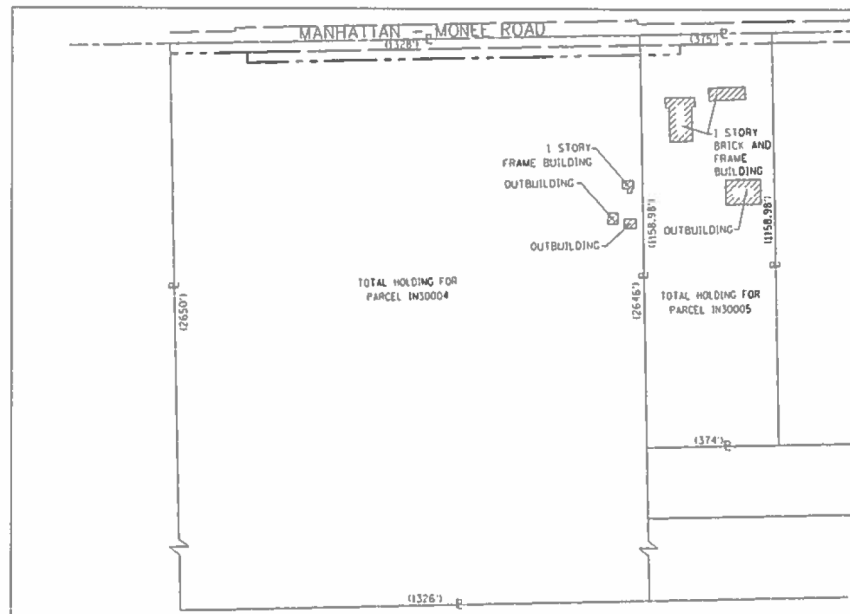
LEGEND

SECTION CORNER 9 10 1615
QUARTER SECTION CORNER 16 15

SECTION / QUARTER SECTION LINE
PLATTED LOT LINES
PROPERTY DEED LINE
APPARENT PROPERTY LINE
EXISTING CENTERLINE
PROPOSED CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
EXISTING EASEMENT
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORDED DIMENSION
EXISTING BUILDING

GRAPHIC SCALE FEET
SCALE: 1" = 200'

- IRON PIPE OR ROD FOUND
- "HAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- B11 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- B12
- B13
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET



STATE OF ILLINOIS 1
COUNTY OF DUPAGE 1

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (ME, JACOB AND HEFNER ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION NUMBER 184-003073,) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 14, 22 AND 23, TOWNSHIP 34 NORTH, RANGE 11 EAST, AND IN SECTION 19, TOWNSHIP 34 NORTH, RANGE 12 EAST, OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DOWNERS GROVE, ILLINOIS THIS 17TH DAY OF AUGUST, 2018 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

REVISION DATE: / / REVISION MADE BY:



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
MANHATTAN - MONEE ROAD

LIMITS: COUNTY: WILL
SECTION: JOB NO.: R-91-002-17
STA. TO STA.
SCALE: 1" = 200' SHEET 7 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

MODEL: D:\m\p\... FILE NAME: 20180817\1811042-AES (DOT) PTD_185-02\W015-62G85-Manhattan_Monee\CADD\CADD_Sheets\15-D162G85-sh-PlatHighways.dgn



USER NAME = mokrent	DESIGNED - MO	REVISED -
	DRAWN - TOM	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 1/24/2020	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONEE RD
PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	44
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

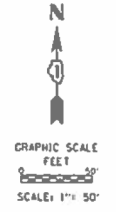
PART OF THE SW 1/4 OF SECTION 14, AND THE NW 1/4 OF SECTION 23, TWP. 34 N., R. 11 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

SECTION / QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY IDEO LINE
 APPARENT PROPERTY LINE
 EXISTING CENTERLINE
 PROPOSED CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 EXISTING EASEMENT
 PROPOSED EASEMENT
 EXISTING ACCESS CONTROL LINE
 PROPOSED ACCESS CONTROL LINE
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

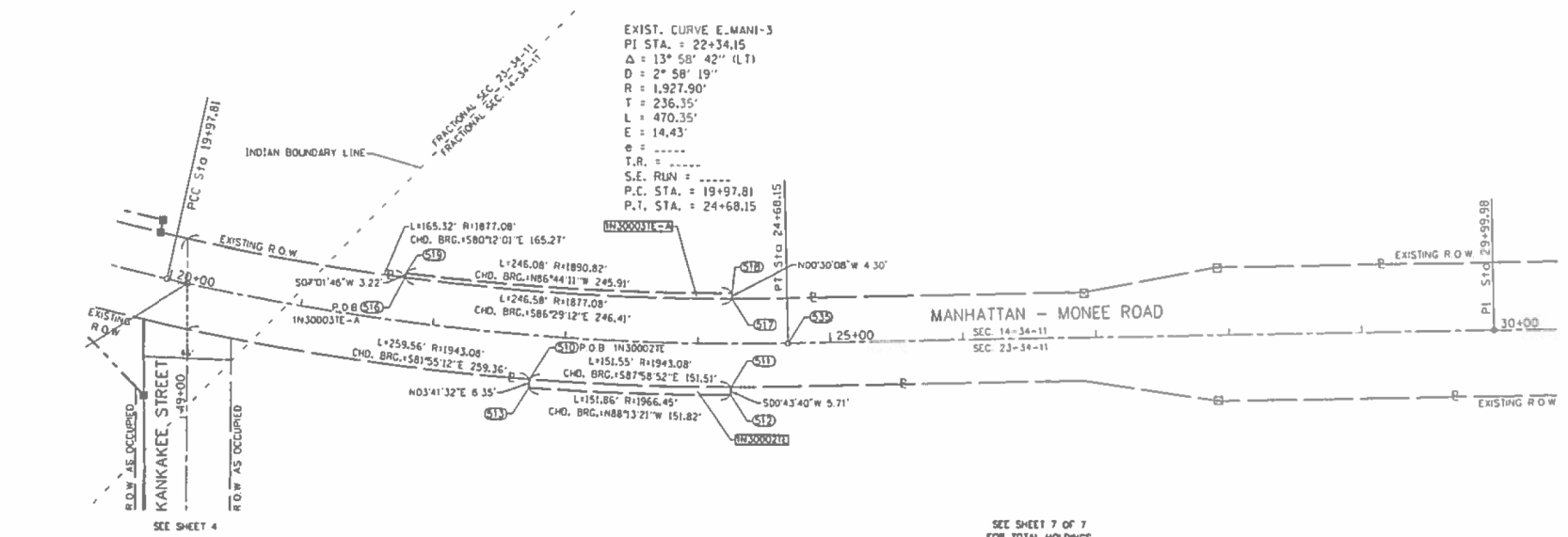
- IRON PIPE OR ROD FOUND
- "MAC" NAIL SET
- + CUT CROSS FOUND OR SET
- 5 / 8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION, SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- B11 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION, BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- B12
- B13
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊕ PERMANENT SURVEY MARKER, I.D.O.F. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

PARCEL NUMBER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	AREA SQUARE FEET	PARCEL INDEX NUMBER
IN30001	39.340	1-A 0.031	0.007 (293 SF)	39.263	0.057	2,478	14-12-22-200-007
		1-B 0.046	N/A				
IN30002	38.770	N/A	N/A	38.770	0.021	913	14-12-23-100-006
IN30003	210.000	0.018	N/A	209.982	TE-A 0.021	933	14-12-14-300-001
					TE-B 0.021	896	



PROJECT COORDINATES

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET
501	1732816.773	1091670.515	45+88.84	26.65' LT.
502	1732866.773	1091669.784	46+38.84	27.63' LT.
503	1732866.743	1091643.254	46+38.70	54.16' LT.
504	1732816.743	1091643.041	45+88.69	54.16' LT.
505	1733144.212	1091645.509	19+99.11	88.97' RT.
506	1733150.599	1091659.341	49+22.62	39.28' LT.
507	1732866.760	1091658.215	46+38.78	39.15' LT.
508	1733201.170	1091664.612	19+86.03	33.63' RT.
509	1733218.990	1091593.213	19+13.79	33.79' RT.
510	1733157.188	1091955.515	22+75.57	32.96' RT.
511	1733151.851	1092107.010	24+24.58	32.46' RT.
512	1733146.144	1092106.928	24+24.51	36.17' RT.
513	1733150.854	1091955.116	22+75.05	39.31' RT.
514	1733193.843	1091698.806	49+65.83	0.00' LT.
515	1733261.084	1091699.053	20+06.44	32.41' LT.
516	1733232.954	1091881.950	21+74.60	32.76' LT.
517	1733227.855	1092107.854	24+25.49	33.54' LT.
518	1733227.155	1092107.856	24+25.46	37.84' LT.
519	1733236.154	1091883.345	21+74.57	35.98' LT.
520	1733265.688	1091678.513	19+85.04	32.37' LT.
521	1733286.225	1091977.640	19+00.06	32.18' LT.
522	1733284.986	1091600.052	19+00.00	41.26' LT.
523	1733174.873	1091680.705	19+85.04	41.80' LT.
524	1733307.802	1091526.445	18+25.17	32.12' LT.
525	1733389.642	1091256.105	15+42.57	32.70' LT.
526	1733407.780	1091192.715	14+77.21	32.78' LT.
527	1733411.242	1091192.625	14+76.73	36.10' LT.
528	1733393.807	1091252.454	15+37.93	35.65' LT.
529	1733309.169	1091527.020	18+25.18	34.07' LT.
530	1733059.282	1091706.111		SECTION CORNER
531	1732904.304	1091689.216	46+76.37	28.37' LT.
532	1732904.186	1091697.573	46+76.37	0.00' LT.
533	1732727.818	1091696.822	POT 45+00.00	0.00' LT.
534	1732727.945	1091698.952	POC 20+13.43	0.00' LT.
535	1733184.808	1092150.570	PT 24+68.15	0.00' LT.
536	1733112.207	1092106.802		RADIUS POINT
537	1733231.311	1091683.700	PCC 19+97.81	0.00' LT.
538	1733053.815	1092093.647		RADIUS POINT
539	1733265.694	1091553.059	PC 18+62.73	0.00' LT.
540	1733358.700	1091245.445	PT 15+41.32	0.00' LT.
541	1733507.154	1090685.704		RADIUS POINT
542	1733440.667	1090630.364	PC 09+18.11	0.00' LT.
543	1733404.469	1104959.881	56+84.61	0.53' RT.
544	1733465.693	1104960.440	56+84.58	28.25' RT.
545	1733470.161	1105175.711	58+99.95	28.15' RT.
546	1733483.242	1106287.976	70+12.36	29.27' RT.
547	1733466.301	1106288.477	70+12.27	56.21' RT.
548	1733441.799	1105176.316	59+00.00	56.52' RT.
549	1733321.934	1106287.442	70+12.45	0.57' RT.
550	1733495.578	1106400.512	71+25.00	28.40' RT.
551	1733468.784	1106401.182	71+25.00	56.20' RT.
552	1733549.383	1107614.215		SECTION CORNER
553	1733488.162	1104674.814	POT 53+99.47	0.00' LT.
554	1733500.329	1105275.217	PI 53+00.00	0.00' LT.
555	1733527.233	1106274.960	PI 73+00.00	0.00' LT.
556	1733544.136	1107274.737	POT 80+00.00	0.00' LT.
557	1733299.279	1091552.717	18+52.71	32.06' LT.
558	1733529.688	1106662.255	73+87.34	1.03' RT.
559	1733501.019	1106662.773	73+87.23	28.70' RT.



STATE OF ILLINOIS)
 COUNTY OF DUPAGE)

THIS IS TO CERTIFY THAT I, TIMOTHY G. WOLFE, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, THE JACOB AND HEFNER ASSOCIATES, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-003013, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 14 AND 23, TOWNSHIP 34 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT DOWNERS GROVE, ILLINOIS THIS 17TH DAY OF AUGUST, 2018 A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-003535
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2018

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTES: ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED BEARINGS AND DISTANCES SHOWN HEREON REFERENCE THE ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (2011 ADJUSTMENT) "GRID". ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND" TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES SHOWN BY THE COMBINATION FACTOR OF 0.9999555072 AREAS SHOWN ON THIS PLAT ARE "GROUND"

REVISION DATE: / / REVISION MADE BY:

JACOB & HEFNER ASSOCIATES

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 MANHATTAN - MONREE ROAD

LIMITS: AT KANKAKEE STREET COUNTY: WILL
 SECTION: JOB NO.: R-91-002-17
 STA. 19+50.00 TO STA. 30+00.00
 SCALE: 1"=50' SHEET 3 OF 7 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

RECEIVED
 OCT 26 2018
 PLATS & LEGALS

MODEL: D:\m\p\... FILE NAME: S:\2018\181181042-AES IDOT_PTB_185-02\W015-62G85-Manhattan_Monree\CADD\CADD_Sheets\11-01-18-G85-Sub-Plat\Hwy.dgn



USER NAME = mokrent	DESIGNED - MO	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 1/24/2020	CHECKED - JA	REVISED -
	DATE - 1/7/2020	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MANHATTAN-MONREE RD
 PLAT OF HIGHWAYS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	45
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

Benchmark: CP 106, Iron rod at the north shoulder.
 Northing: 1733208.132; Easting: 1092185.144
 Elevation NGVD 88: 678.613

Existing Structure: S.N. 099-0450, year of construction unknown, consists of a double barrel reinforced concrete box culvert at 3 degree skew, with barrel dimensions of 4' tall by 6' wide. The culvert length is approximately 31'-6" out to out of headwalls. Proposed work consists of replacing the culvert with a single-cell concrete box culvert, 5' tall by 12' wide and 48' length out to out of headwalls, with the invert 1' below the flow line.

Traffic will be detoured during construction.

No salvage.

Precast alternate is not allowed.

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface

DESIGN STRESSES

FIELD UNITS

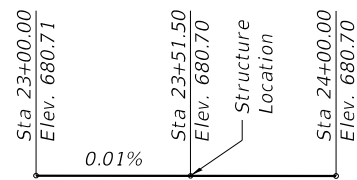
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

HORIZONTAL CURVE DATA

PI STA. = 22+34.15
 (N = 1,733,179.4420,
 E = 1,091,914.2846)
 $\Delta = 13^\circ 58' 42''$ (LT)
 D = 2° 58' 19"
 R = 1,927.90'
 T = 236.35'
 L = 470.35'
 E = 14.43'

P.C. STA. = 19+97.81
 (N = 1,733,231.3114,
 E = 1,091,683.7000)

P.T. STA. = 24+68.15
 (N = 1,733,184.8077,
 E = 1,092,150.5702)



PROFILE GRADE

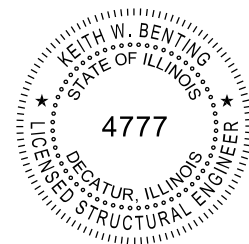
(Along \bar{C} Manhattan-Monee Rd)

WATERWAY INFORMATION

Drainage Area = 8.4 sq. mi. Low Grade Elev. = 680.20 @ Sta. 35+06.10

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	47	47	48	678.3	0.3	0.2	678.6	678.5
Base	50	163	47	48	678.8	0.8	0.8	679.6	679.6
Overtopping	100	230	47	48	679.1	1.1	0.8	680.2	679.9
Max. Calc.	500	275	47	48	679.4	1.1	0.8	680.2	680.2

2-YR Q = 24 C.F.S.



Keith W. Benting
 Keith W. Benting, Illinois S.E. 081-004777
 Expires 11/30/2020
 Date: 7/11/2019

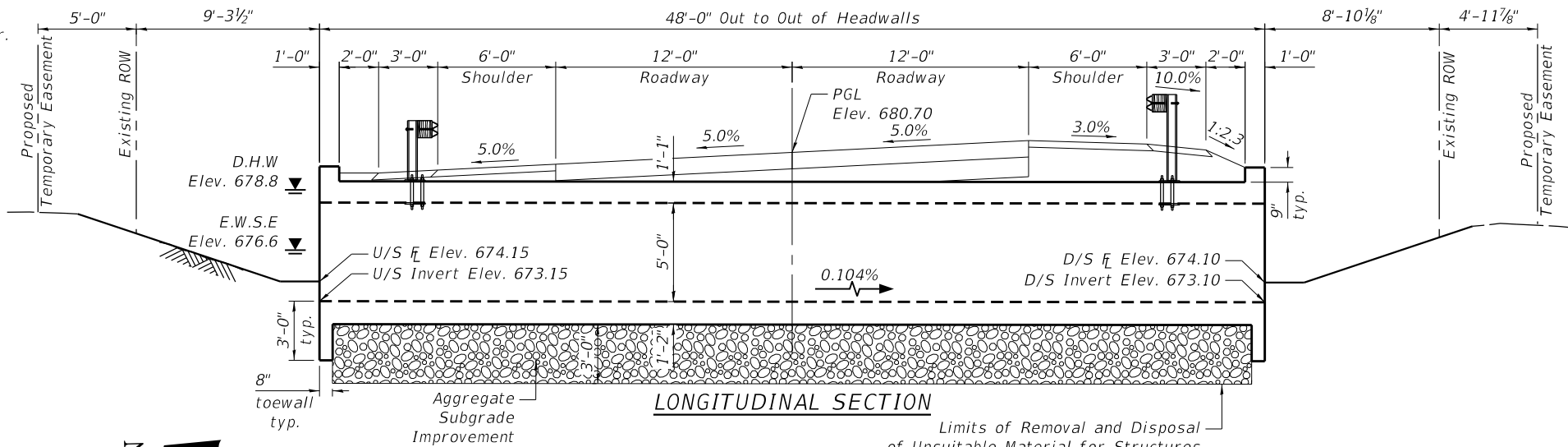
PLAN

◆ - Soil Boring Locations

** Guardrail payitems and quantities provided in roadway plans.

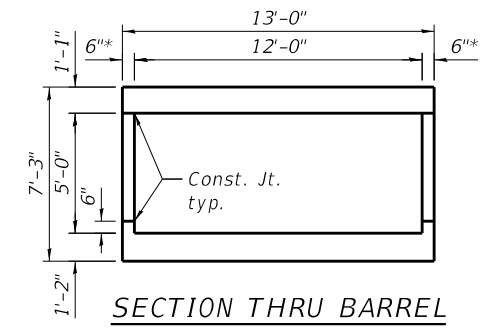
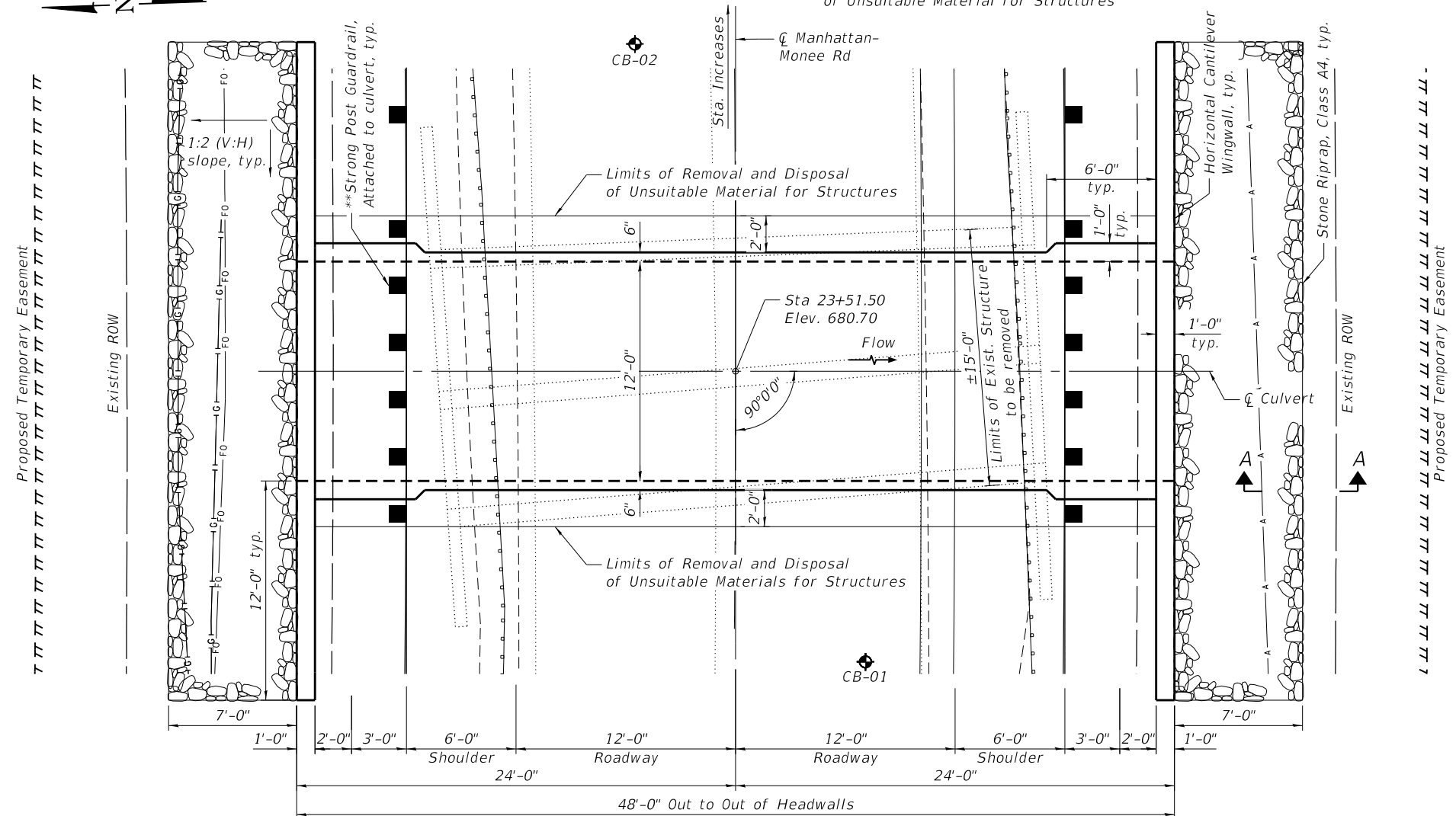
GENERAL PLAN AND ELEVATION
MANHATTAN-MONEE RD. OVER PRAIRIE CREEK TRIB.
 F.A.P RTE. 531 SEC. 2018-063-CR&D

WILL COUNTY
STATION 23+51.50
S.N. 099-0931

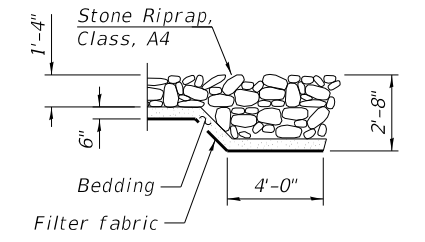


LONGITUDINAL SECTION

Limits of Removal and Disposal of Unsuitable Material for Structures



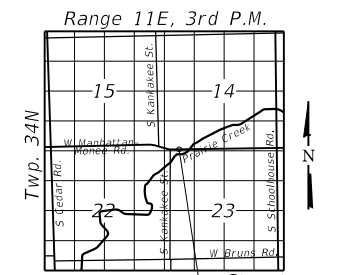
SECTION THRU BARREL
 (Along \bar{C} Manhattan-Monee Rd)
 * Thickness at U/S & D/S end is 12"



SECTION A-A

STATION 23+51.50
 BUILT BY
 STATE OF ILLINOIS
 F.A.P RT. 531
 SEC. 2018-063-CR&D
 LOADING HL-93
 STR. NO. 099-0931

NAME PLATE
 See Std. 515001



LOCATION SKETCH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 099-0931

SHEET S1 OF S4 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	46
CONTRACT NO. 62G85				

ILLINOIS FED. AID PROJECT

MODEL: \$MODELNAME\$
 FILE NAME: \$FILES\$



USER NAME =	SUSERS\$	DESIGNED -	AWM	REVISED -	
CHECKED -	KWB	CHECKED -	KWB	REVISED -	
PLOT SCALE =	\$SCALE\$	DRAWN -	LC	REVISED -	
PLOT DATE =	\$DATES\$	CHECKED -	MC	REVISED -	

SDATES\$ \$TIMES\$

GENERAL NOTES

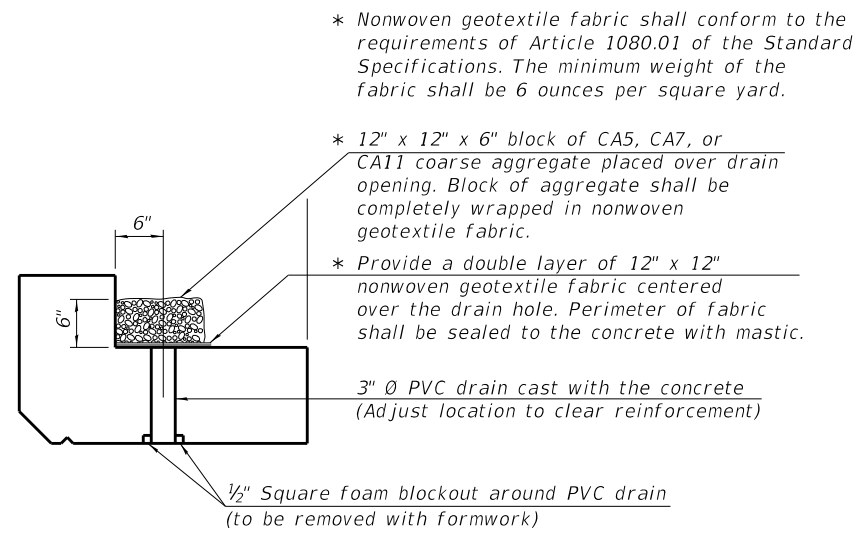
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Concrete Sealer shall be applied to the top and inside face of the headwalls and to the top of wingwalls.
3. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
4. The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.

INDEX OF SHEETS

- S1. General Plan
- S2. General Notes, Index, Bill of Material
- S3. Culvert Details
- S4. Soil Boring Logs

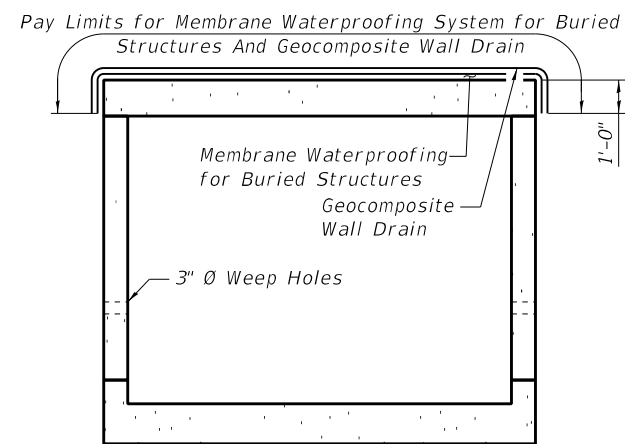
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Geotechnical Fabric For Ground Stabilization	Sq Yd	45
Stone Riprap Class A4	Sq Yd	58
Filter Fabric	Sq Yd	58
Aggregate Subgrade Improvement	Cu Yd	89
Removal of Existing Structures	Each	1
Structure Excavation	Cu Yd	152
Removal and Disposal of Unsuitable Material for Structures	Cu Yd	89
Concrete Sealer	Sq Ft	90
Reinforcement Bars	Pound	12,790
Reinforcement Bars, Epoxy Coated	Pound	3,920
Name Plates	Each	1
Concrete Box Culverts	Cu Yd	79.1
Granular Backfill for Structures	Cu Yd	50
Geocomposite Wall Drain	Sq Yd	87
Membrane Waterproofing System for Buried Structures	Sq Yd	78



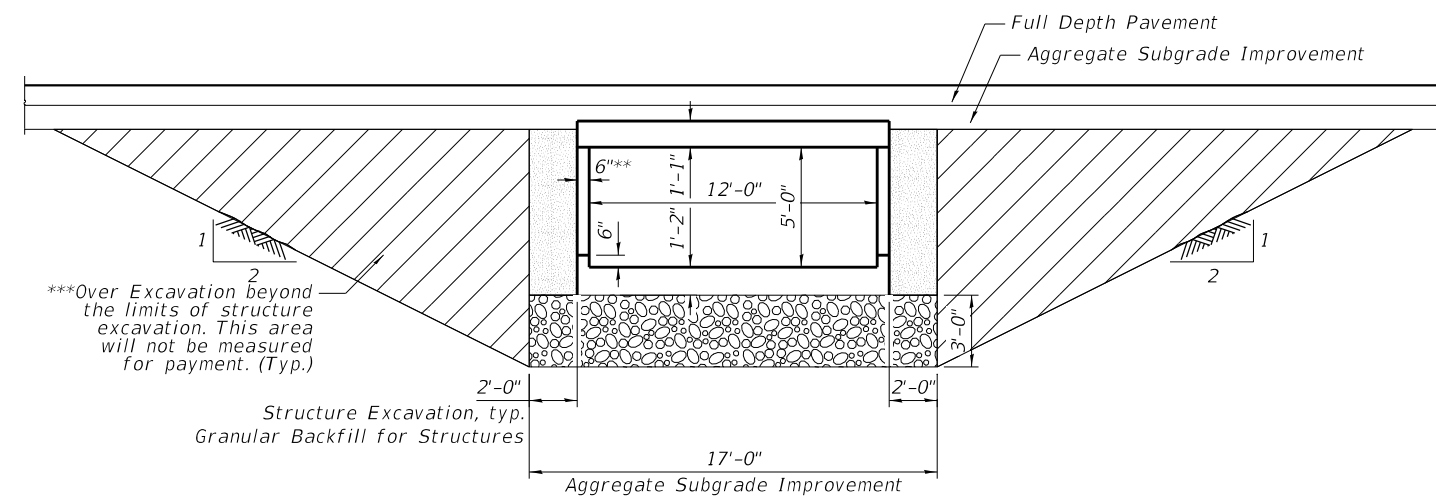
DRAIN DETAIL

*(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for Concrete Box Culverts.)



CAST-IN-PLACE CONCRETE BOX CULVERT

Note: Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

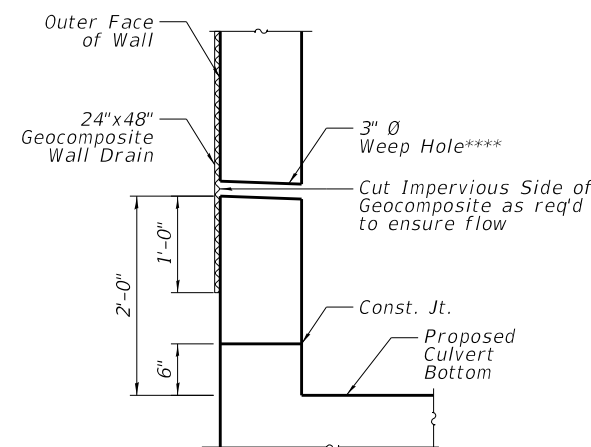


SECTION THRU BARREL

(Along Centerline Manhattan-Monee Rd)

**Thickness at U/S & D/S end is 12"

***Backfill the over excavation beyond the limits of structure excavation with material specified for roadway embankment per Section 205 of Standard Specifications.



WEEP HOLE DRAIN DETAIL

****Cost Included in Concrete Box Culvert

MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$



USER NAME =	\$USERS\$	DESIGNED -	AWM	REVISED -	03/24/2020 AWM
CHECKED -	KWB	REVISOR -		REVISED -	
PLOT SCALE =	\$SCALE\$	DRAWN -	LC	REVISED -	
PLOT DATE =	\$DATES\$	CHECKED -	MC	REVISED -	

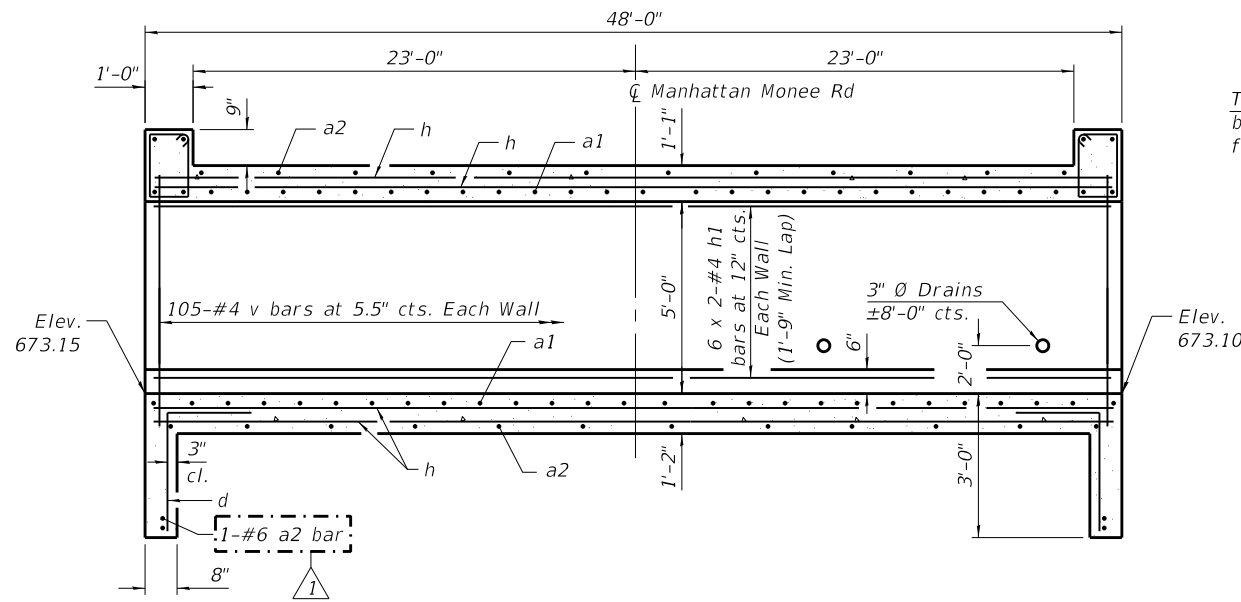
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, INDEX, BILL OF MATERIALS
STRUCTURE NO. 099-0931

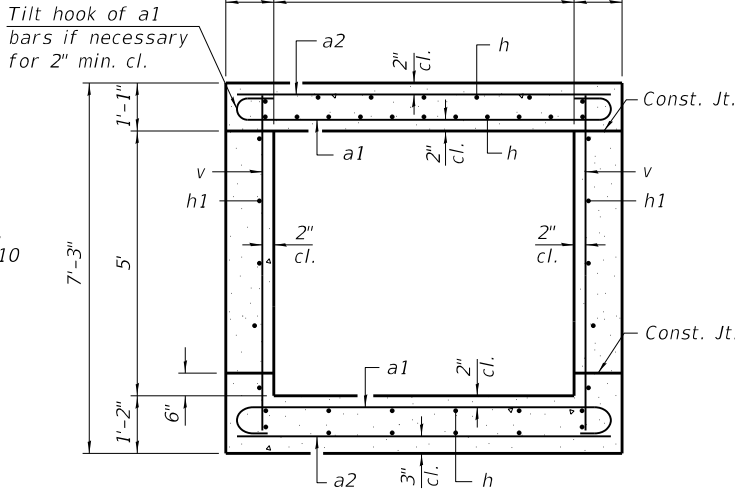
SHEET S2 OF S4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	47
CONTRACT NO. 62G85				
ILLINOIS		FED. AID PROJECT		

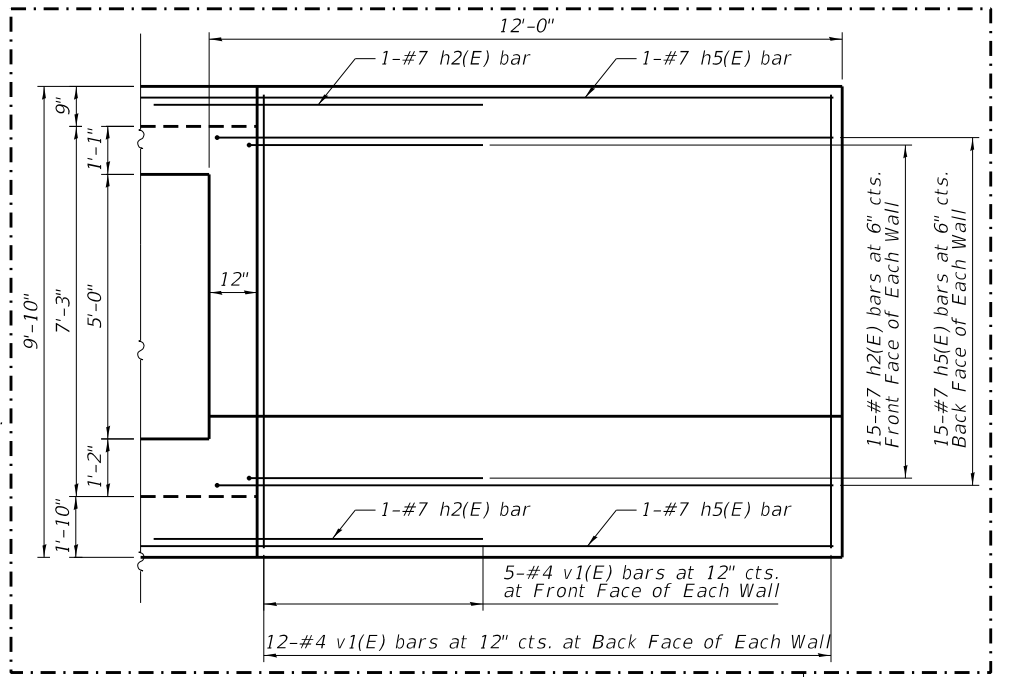
SDATE\$ \$TIMES\$



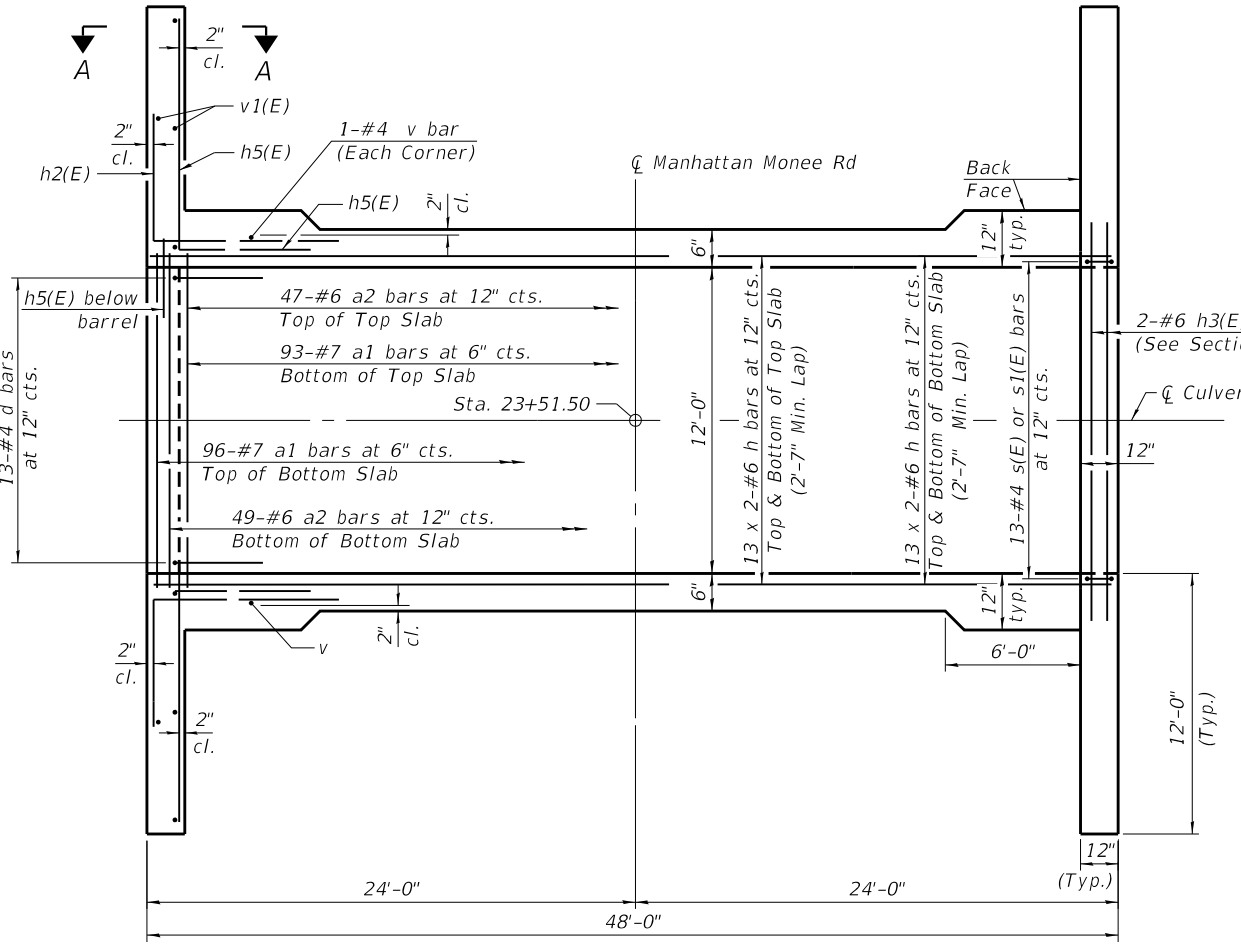
LONGITUDINAL SECTION



SECTION THRU BARREL



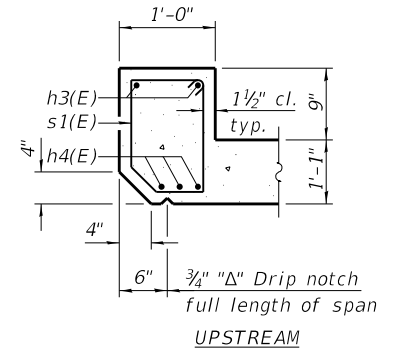
WINGWALL ELEVATION



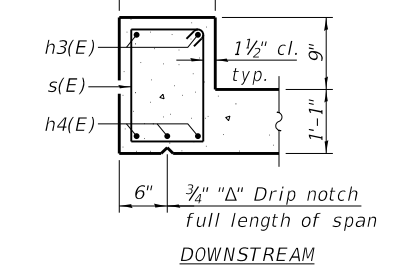
PLAN

SHOWING TOEWALL

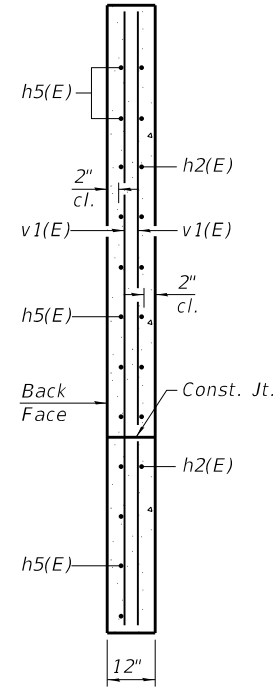
SHOWING HEADWALL



SECTION THRU HEADWALL UPSTREAM



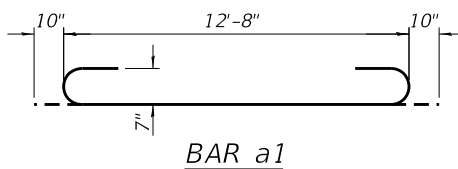
SECTION THRU HEADWALL DOWNSTREAM



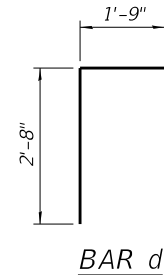
SECTION A-A

BILL OF MATERIAL

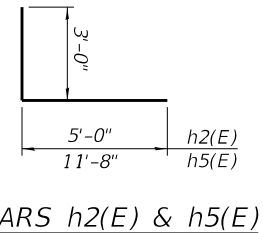
Bar	No.	Size	Length	Shape
a1	189	#7	14'-4"	
a2	98	#6	12'-8"	
d	26	#4	4'-5"	
h	104	#6	25'-2"	
h1	24	#4	24'-9"	
h2(E)	68	#7	8'-0"	
h3(E)	4	#6	13'-8"	
h4(E)	6	#7	13'-8"	
h5(E)	68	#7	14'-8"	
s(E)	13	#4	5'-3"	
s1(E)	13	#4	5'-1"	
v	214	#4	6'-10"	
v1(E)	68	#4	9'-5"	
Concrete Box Culverts			Cu. Yd.	79.1
Reinforcement Bars			Pound	12,790
Reinforcement Bars, Epoxy Coated			Pound	3,920



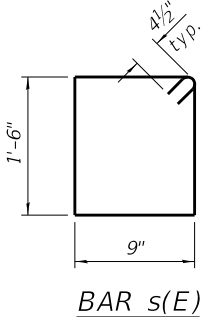
BAR a1



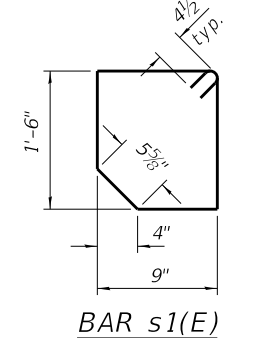
BAR d



BARS h2(E) & h5(E)



BAR s(E)



BAR s1(E)

- Notes:
- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 - Bars indicated thus 13 x 2-#6 etc. indicates 13 lines of bars with 2 lengths per line.

MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$



USER NAME =	SUSERS\$	DESIGNED -	AWM	REVISED -	03/24/2020 AWM
CHECKED -	KWB	REVISIONS -			
PLOT SCALE =	\$SCALE\$	DRAWN -	LC	REVISED -	
PLOT DATE =	\$DATES\$	CHECKED -	MC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 099-0931

SHEET S3 OF S4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	48
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



wangeng@wangeng.com
1145 North Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

BORING LOG CB-01

WEI Job No.: 199-02-08

Client: **Quigg Engineering Inc.**
Project: **Manhattan-Monee Culverts Replacement**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 680.72 ft
North: 1733179.23 ft
East: 1092017.58 ft
Station: 23+35.6
Offset: 7.1 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
680.53	53-inch thick ASPHALT --PAVEMENT--														
680.1	4-inch thick CONCRETE --PAVEMENT--														
679.7	5-inch thick ASPHALT --PAVEMENT--														
	Medium dense, brown, gravelly SILTY LOAM; damp --RDR 2--			1	5 13 7	NP	13					9	3 6 9	4.84 B	17
676.5	Medium stiff, orangish brown and gray SILTY CLAY, trace gravel; wet --RDR 2--			2	2 3 3	NR				25		10	5 7 9	4.59 B	18
				3	2 1 2		0.66 B					11	2 5 7	2.87 B	18
672.7	Very stiff to hard, brown and gray SILTY CLAY, trace gravel; damp to moist --RDR 2--			4	2 3 5		4.26 B			30		12	4 6 8	2.62 B	18
	Boring terminated at 30.00 ft														
				5	3 7 11		6.31 B								
				6	3 6 10		3.20 B			35					
				7	6 7 10		5.00 B								
				8	4 5 7		4.18 B			40					

WANGENGINC 1990208.GPJ WANGENG.GDT 5/20/19

GENERAL NOTES

Begin Drilling **04-19-2019** Complete Drilling **04-19-2019**
Drilling Contractor **Wang Testing Services** Drill Rig **B57 TMR [100%]**
Driller **N&A** Logger **E. Yim** Checked by **J. Rowells**
Drilling Method **.2.25" HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
At Completion of Drilling **DRY**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

SOIL BORING LOG CB-01



wangeng@wangeng.com
1145 North Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

BORING LOG CB-02

WEI Job No.: 199-02-08

Client: **Quigg Engineering Inc.**
Project: **Manhattan-Monee Culverts Replacement**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 679.75 ft
North: 1733190.61 ft
East: 1092051.85 ft
Station: 23+69.4
Offset: 5.5 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
679.53	53-inch thick ASPHALT --PAVEMENT--														
678.8	3-inch thick, medium stiff, black SILTY CLAY, trace gravel; wet --FILL--														
678.59	59-inch thick CONCRETE --PAVEMENT--														
	Loose, brown, gravelly SILTY LOAM to LOAM; damp --FILL--			1	2 3 4		0.82 B					9	4 5 6	4.43 B	18
676.8	Stiff, black SILTY CLAY LOAM, trace gravel; wet --BURIED TOPSOIL--			2	1 3 3		1.00 P			25		10	4 5 8	1.56 B	19
	Medium stiff, black, organish brown and gray SILTY CLAY, trace gravel; wet --RDR 2--			3	2 1 2		0.98 B					11	4 5 5	1.31 B	17
673.6	--L ₁ (%)=40, P ₁ (%)=20-- --%Gravel=0.4-- --%Sand=10.6-- --%Silt=53.9-- --%Clay=35.0--			4	3 1 2		0.66 B					12	3 5 7	1.97 B	17
	Boring terminated at 30.00 ft														
				5	2 3 5		1.89 B								
				6	3 6 8		4.02 B			35					
				7	3 6 7		2.87 B								
				8	3 4 7		3.61 B			40					

WANGENGINC 1990208.GPJ WANGENG.GDT 5/20/19

GENERAL NOTES

Begin Drilling **04-19-2019** Complete Drilling **04-19-2019**
Drilling Contractor **Wang Testing Services** Drill Rig **B57 TMR [100%]**
Driller **N&A** Logger **E. Yim** Checked by **J. Rowells**
Drilling Method **.2.25" HSA; boring backfilled upon completion**

WATER LEVEL DATA

While Drilling **DRY**
At Completion of Drilling **DRY**
Time After Drilling **NA**
Depth to Water **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

SOIL BORING LOG CB-02

MODEL: \$MODELNAME\$
FILE NAME: \$FILES



USER NAME = \$USERS\$	DESIGNED - AWM	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED - KWB	REVISED -
PLOT DATE = \$DATES\$	DRAWN - LC	REVISED -
	CHECKED - MC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 099-0931

SHEET S5 OF S4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2018-063-CR&D	WILL	87	49
CONTRACT NO. 62G85				
ILLINOIS		FED. AID PROJECT		

SDATE\$ \$TIMES\$

Benchmark: Cut "X" in top of the concrete cap for sheet pile wall, west of box culvert.
Elevation 702.49.

Existing Structure: The Structure No. 099-0441 carrying Manhattan-Monee Rd. over a ditch is a single barrel reinforced concrete box culvert with 15 degree left ahead skew. Three 24 inch corrugated plastic pipes inserted for the full length of the barrel with grout filling the void around the pipes. The barrel dimensions are 7'W x 3'H and 33'-11" out to out length along the \bar{C} culvert. There is also a corrugated metal pipe culvert running east-west below the private driveway at the southeast corner of the Structure No. 099-0441. The pipe culvert is 36" \bar{O} and 30'-0" long. Manhattan-Monee Rd. will be detoured and only open for local traffic during construction. Driveway to the private property will have a temporary runaround during culvert replacement

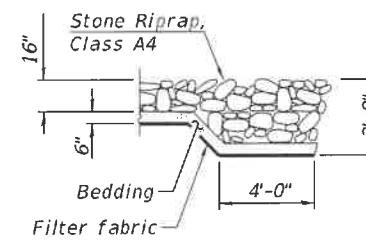
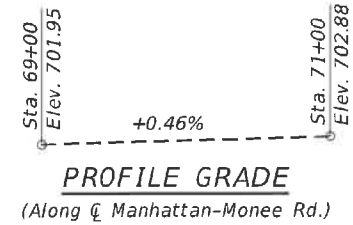
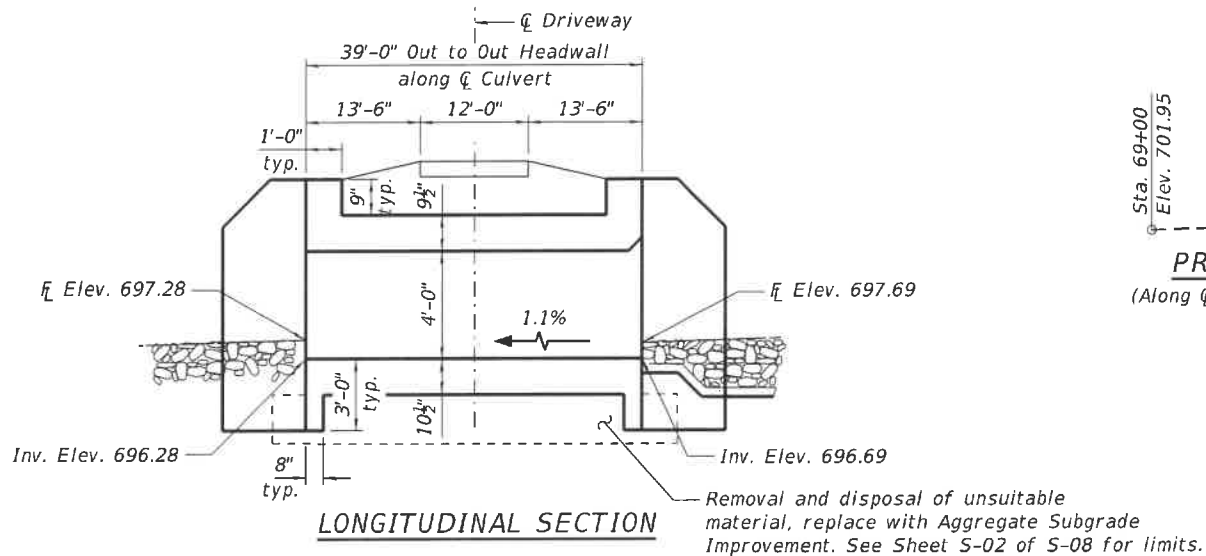
No salvage.

INDEX OF SHEETS

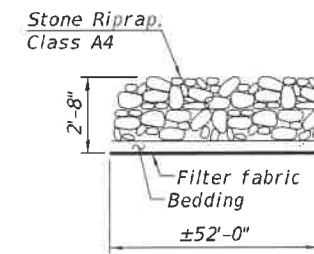
- S-1. General Plan - Culvert
- S-2. General Notes and Total Bill of Materials
- S-3. Culvert Details
- S-4. Wingwall Details
- S-5. Soil Borings - I
- S-6. General Plan - Retaining Walls
- S-7. Retaining Wall Details
- S-8. Soil Borings - II

SCOPE OF WORK:

1. Construct a temporary runaround for the driveway just east of Structure No. 099-0441.
2. Remove the pipe culvert under the driveway.
3. Install Temporary Sheet Piling as shown on the plans.
4. Construct proposed Box Culvert under the driveway.
5. Construct proposed ditch on the south side of Manhattan-Monee Road.
6. Remove existing wingwalls and headwalls of existing Structure No. 099-0441 at both upstream and downstream ends.
7. Construct the Retaining wall along north and south side of Manhattan-Monee Road.
8. Fill 3 pipes of Structure No. 099-0441 with CLSM.



SECTION A-A



SECTION B-B

DESIGN SPECIFICATIONS
2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

DESIGN STRESSES

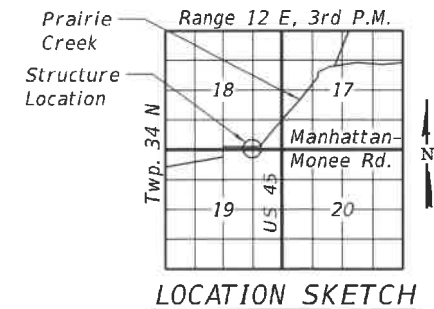
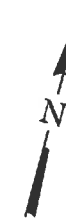
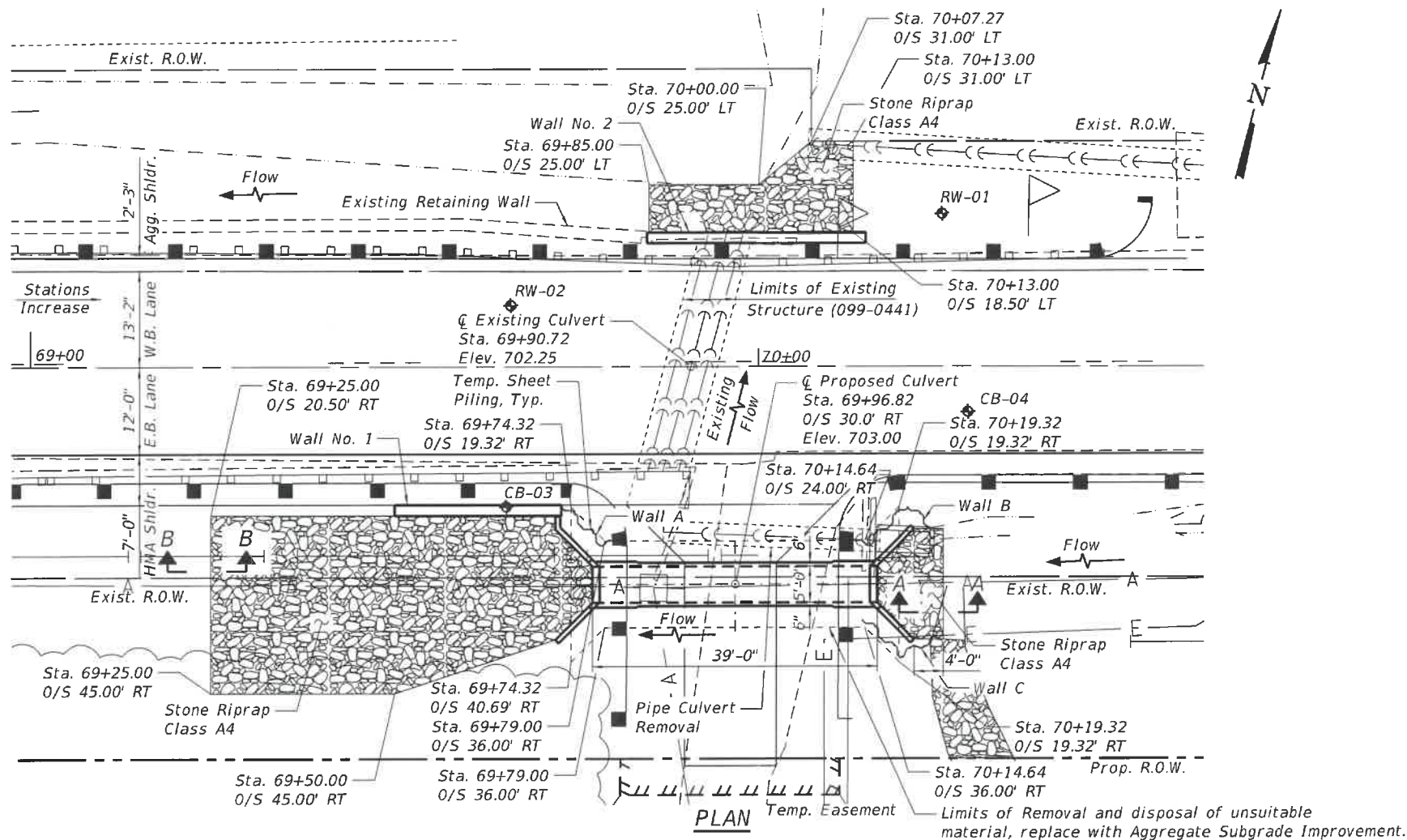
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

PRECAST UNITS

f'c = 5,000 psi
fy = 60,000 psi (Reinforcement)
fy = 65,000 psi (Welded Wire Fabric)

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.



DATE SIGNED: 01/31/2020
EXP. DATE: 11/30/2020

LEGEND

◆ Soil Borings

GENERAL PLAN
MANHATTAN-MONEE ROAD
DRIVEWAY CULVERT
OVER DRAINAGE DITCH
WILL COUNTY
STATION 69+96.82

MODEL: Default
FILE NAME: 1



USER NAME = John
PLOT SCALE = 21,3333' / in.
PLOT DATE = 1/24/2020

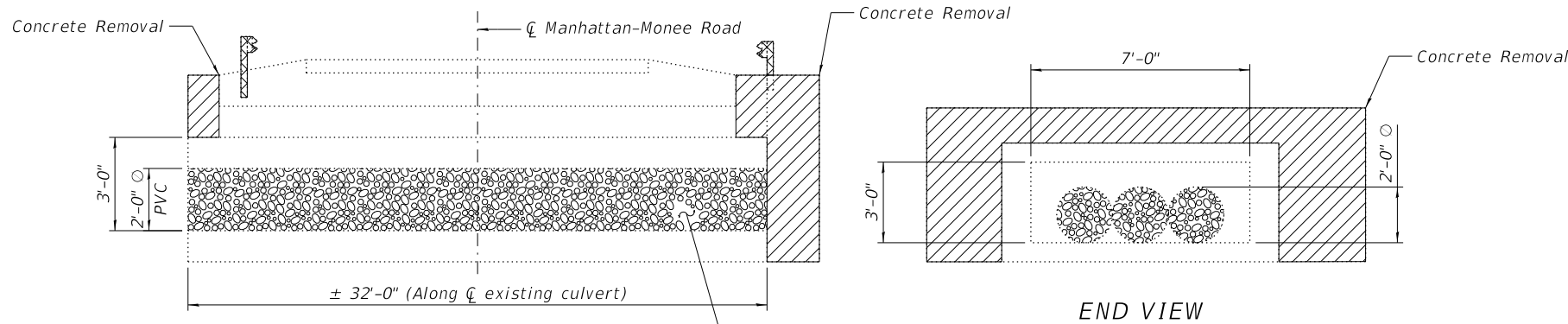
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CHECKED - JMT
DRAWN - JN
CHECKED - SPS

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET S-01 OF S-08 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	60
CONTRACT NO. 62G85			ILLINOIS FED. AID PROJECT	



LONGITUDINAL SECTION
(Looking East)

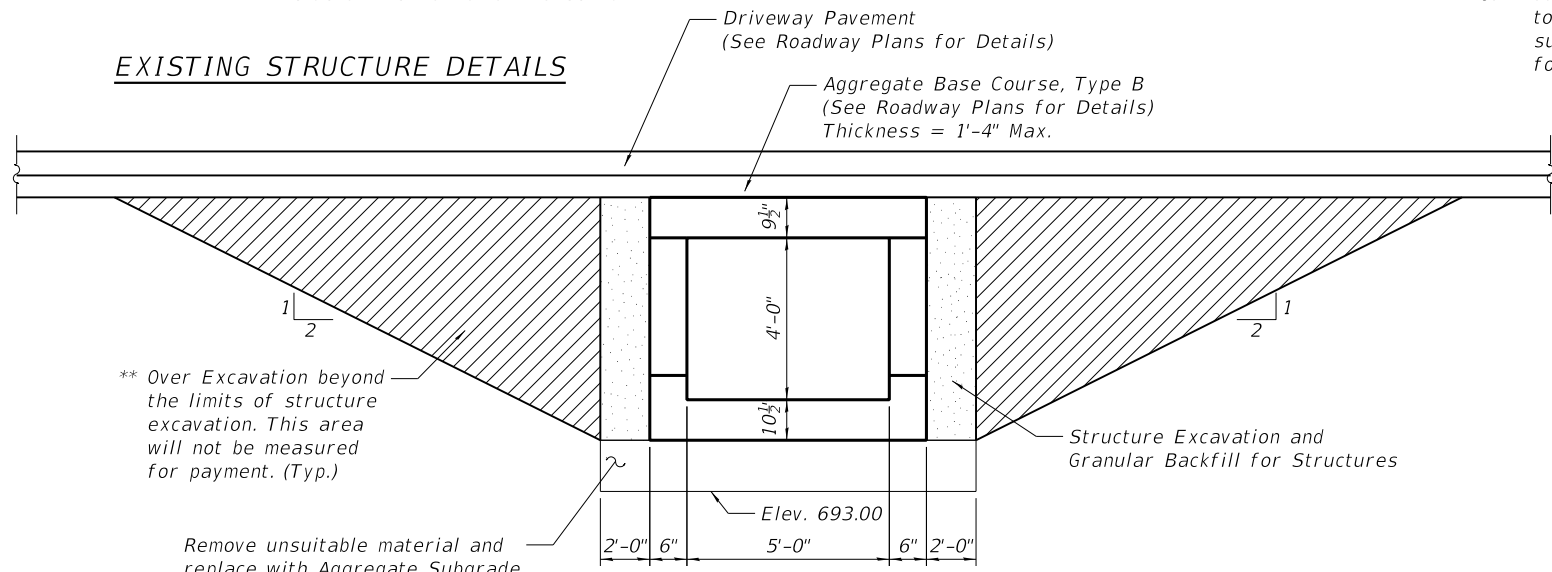
END VIEW

Fill existing PVC pipes with CLSM after construction of proposed ditch on the south side of the Manhattan-Monee Rd.

LEGEND

- Concrete Removal
- Guardrail Removal (See Roadway Plans for quantity)

EXISTING STRUCTURE DETAILS

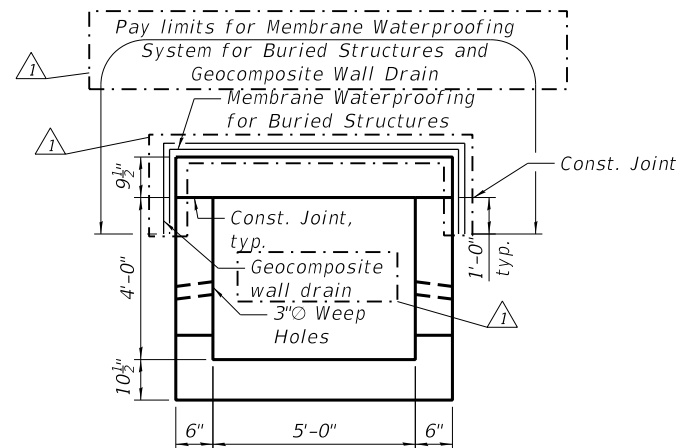


** Over Excavation beyond the limits of structure excavation. This area will not be measured for payment. (Typ.)

Remove unsuitable material and replace with Aggregate Subgrade Improvement

SECTION THRU CULVERT

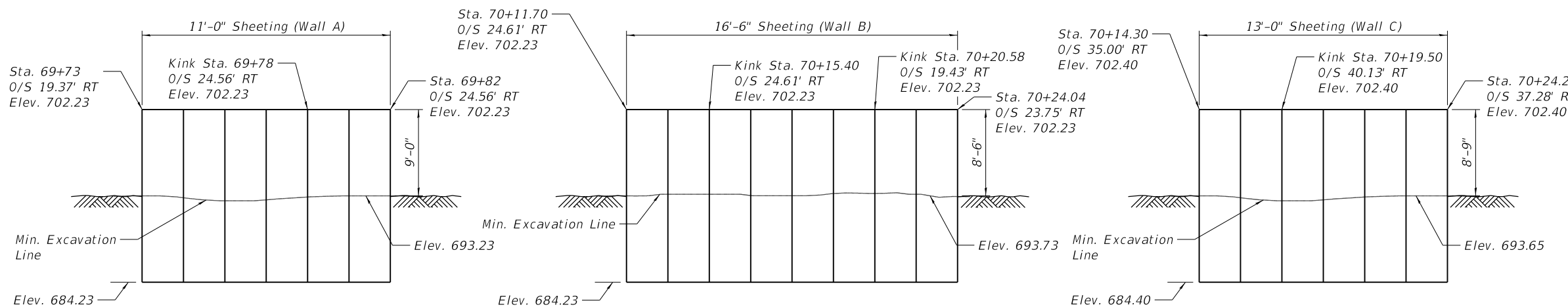
** Backfill the over excavation beyond the limits of structure excavation with material specified for roadway embankment per Section 205 of Standard Specifications.



SECTION THRU CULVERT

TOTAL BILL OF MATERIAL
(Culvert and Retaining Walls)

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq Yd	164
Filter Fabric	Sq Yd	164
Aggregate Subgrade Improvement	Cu Yd	45
Concrete Removal	Cu Yd	19.7
Pipe Culvert Removal	Foot	30
Structure Excavation	Cu Yd	32.8
Removal and Disposal of Unsuitable Material for Structures	Cu Yd	45
Concrete Structures	Cu Yd	12.9
Stud Shear Connectors	Each	234
Reinforcement Bars, Epoxy Coated	Pound	6,670
Temporary Sheet Piling	Sq Ft	730
Permanent Sheet Piling	Sq Ft	2,201
Concrete Box Culverts	Cu Yd	27.5
Granular Backfill for Structures	Cu Yd	32.8
Concrete Sealer	Sq Ft	614
Controlled Low Strength Material	Cu Yd	12
Membrane Waterproofing System for Buried Structures	Sq Yd	42
Gabion Removal	Cu Yd	29
Geocomposite Wall Drain	Sq Yd	42



TEMPORARY SHEET PILING DETAILS

Minimum Section Modulus = 4.63 in³/ft

GENERAL NOTES

- All excavation required for construction of the culvert as shown in these plans and in accordance with the Standard Specifications shall be included in the cost for Concrete Box Culverts.
- Reinforcement bars designated (E) shall be epoxy coated.
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- Concrete Sealer shall be applied to the top and outside face of the horizontal cantilever wingwalls and to the exposed concrete for the concrete cap of the sheet pile wall.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor shall be responsible to divert the stream flow during construction to keep construction area free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included in the cost for Concrete Box Culverts.

MODEL: Default
FILE NAME: Q:\Engineering\LiveProjects\13043_IDOT DUR AES\Work Order 15 - 62G85\CADD\Sheet\Structural\62G85-02-General Notes and Bill of Material.dgn
3/24/2020 8:30:16 AM



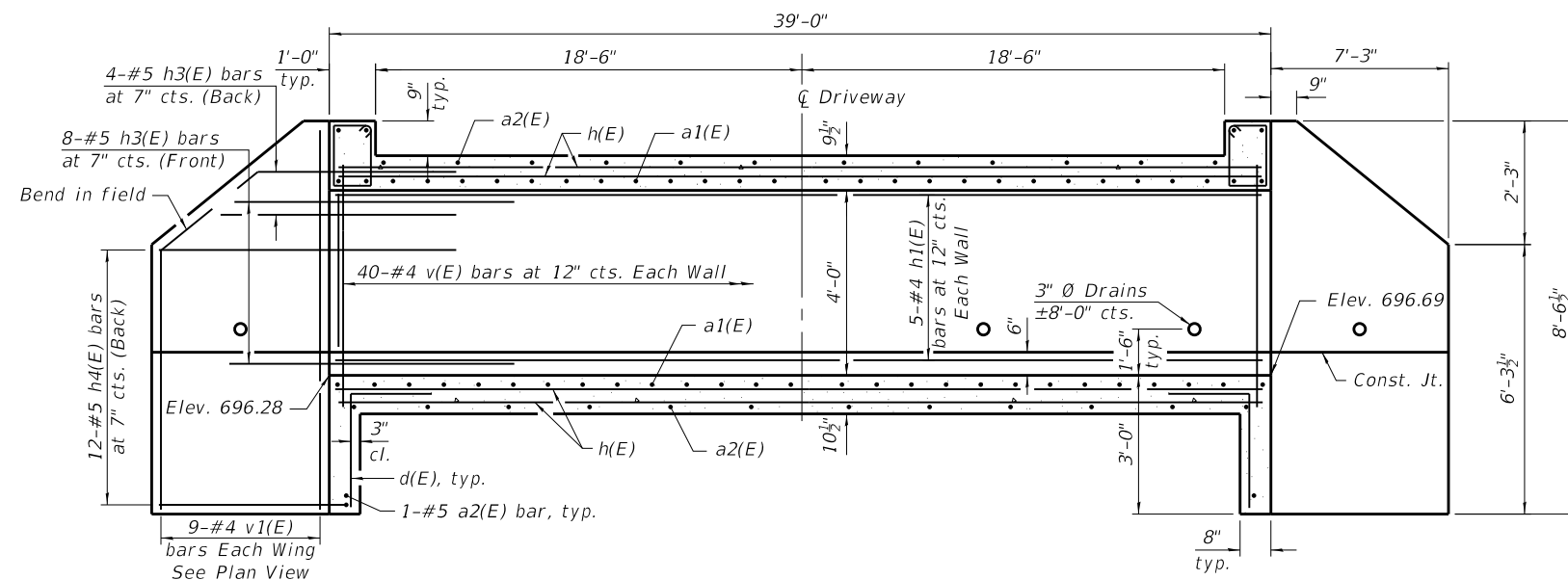
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PLOT DATE = 3/24/2020	DRAWN - JN	REVISED -
	CHECKED - SPS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND TOTAL BILL OF MATERIAL
MANHATTAN-MONEE ROAD OVER UN-NAMED DITCH

SHEET S-02 OF S-08 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	51
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



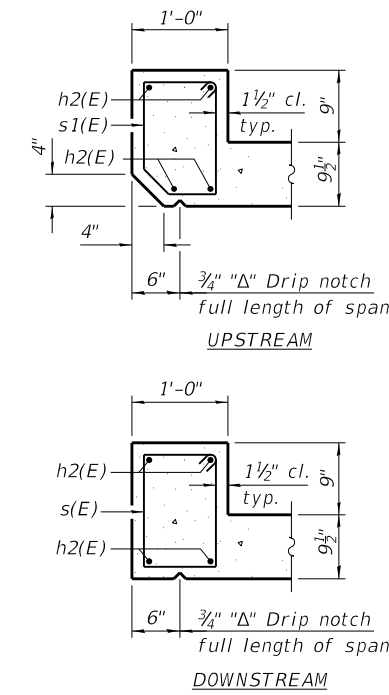
SE WINGWALL

(Showing Reinforcement)
SW Wingwall Similar

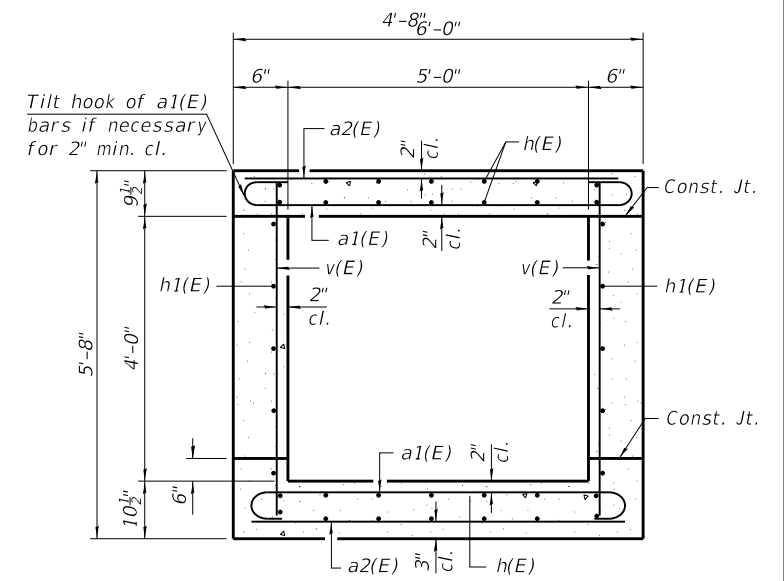
LONGITUDINAL SECTION

SW WINGWALL

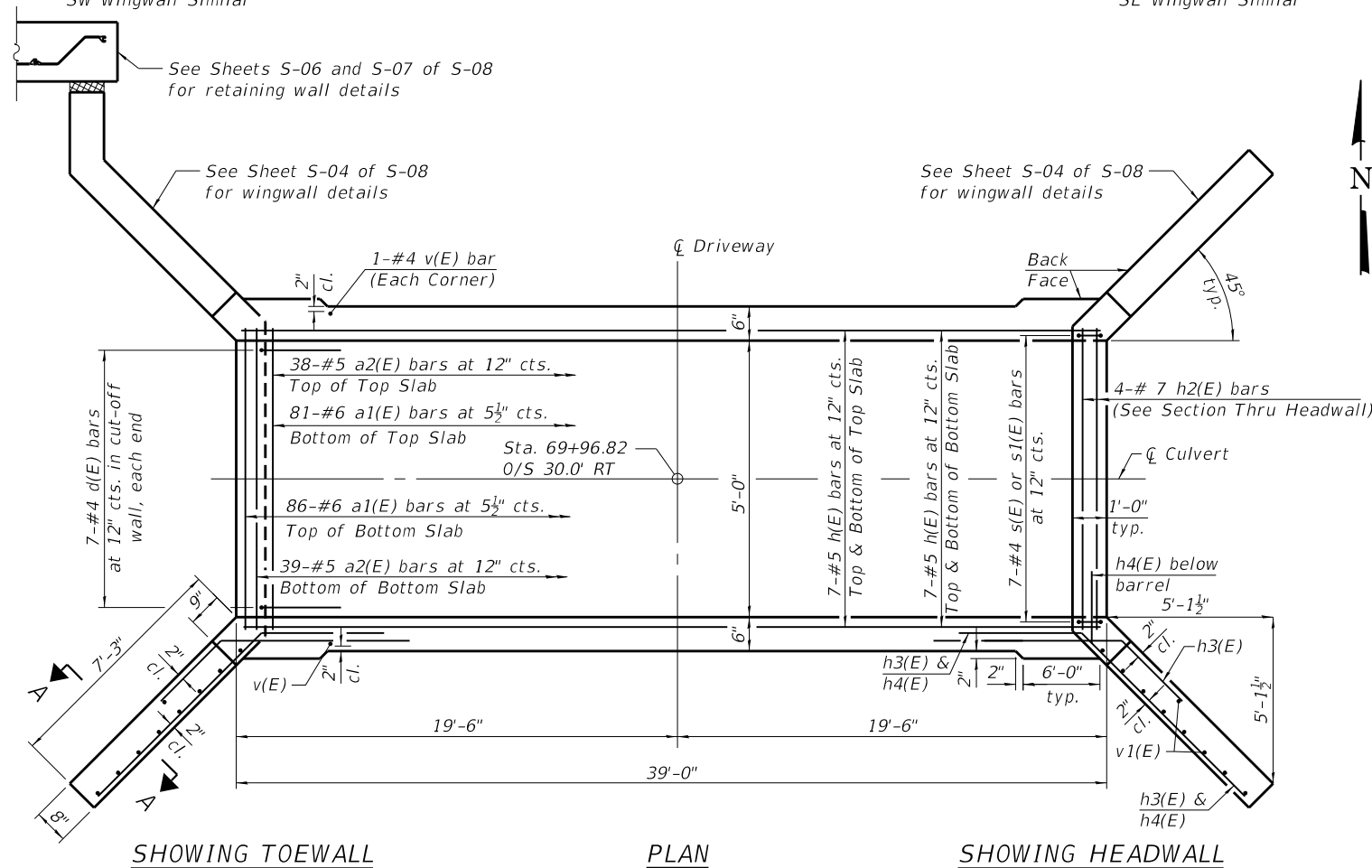
(Showing Dimensions)
SE Wingwall Similar



SECTION THRU HEADWALL



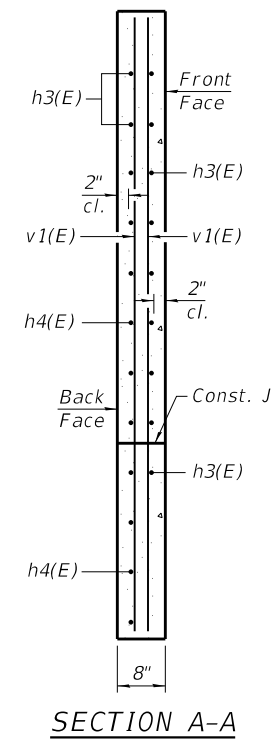
SECTION THRU BARREL



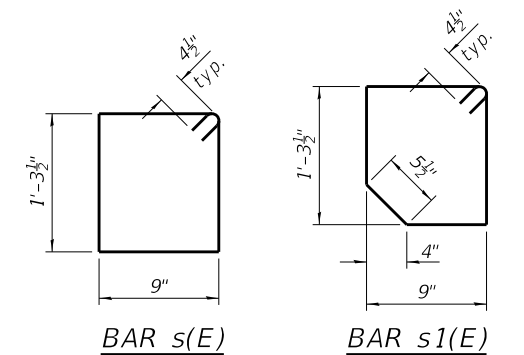
SHOWING TOEWALL

PLAN

SHOWING HEADWALL

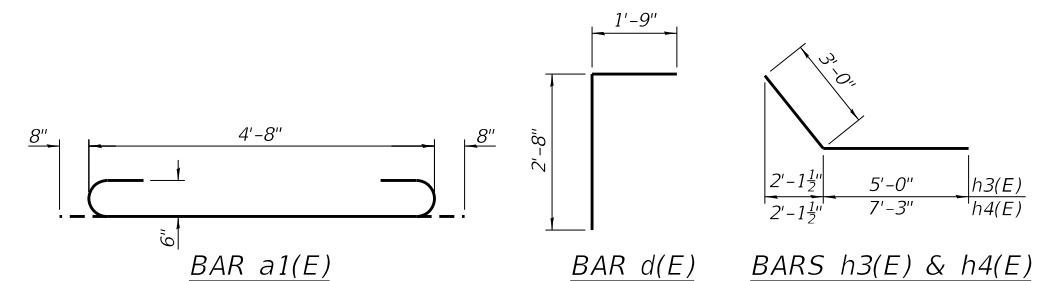


SECTION A-A



BAR s(E)

BAR s1(E)



BAR a1(E)

BAR d(E)

BARS h3(E) & h4(E)

Notes:
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

MODEL: Default
FILE NAME: *



USER NAME = John	DESIGNED - SAT	REVISED -
PLOT SCALE = 21.3333 1/4" = 1'	CHECKED - JMT	REVISED -
PLOT DATE = 1/24/2020	DRAWN - JN	REVISED -
	CHECKED - SPS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

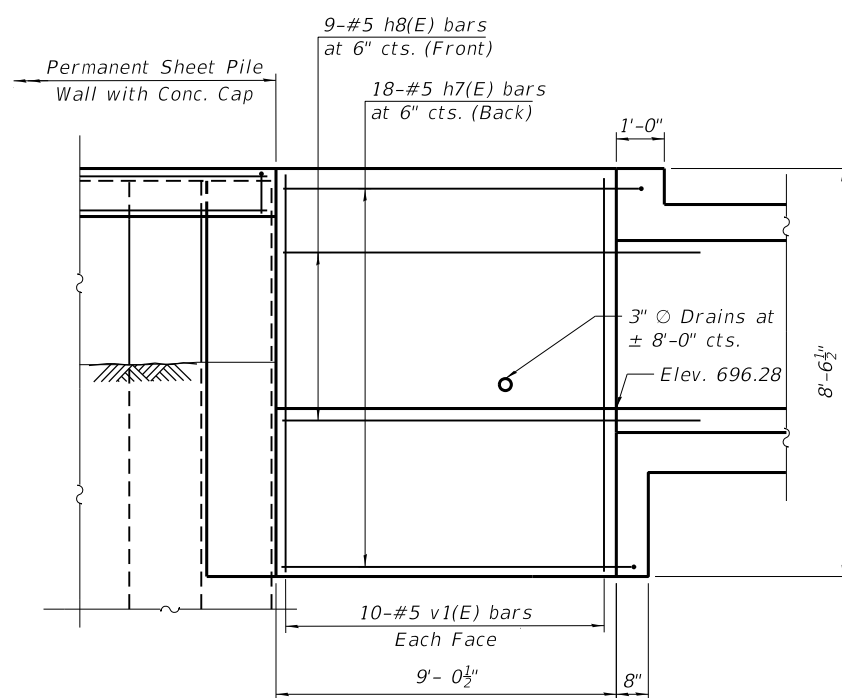
**CULVERT DETAILS
MANHATTAN-MONEE ROAD OVER UN-NAMED DITCH**

SHEET S-03 OF S-08 SHEETS

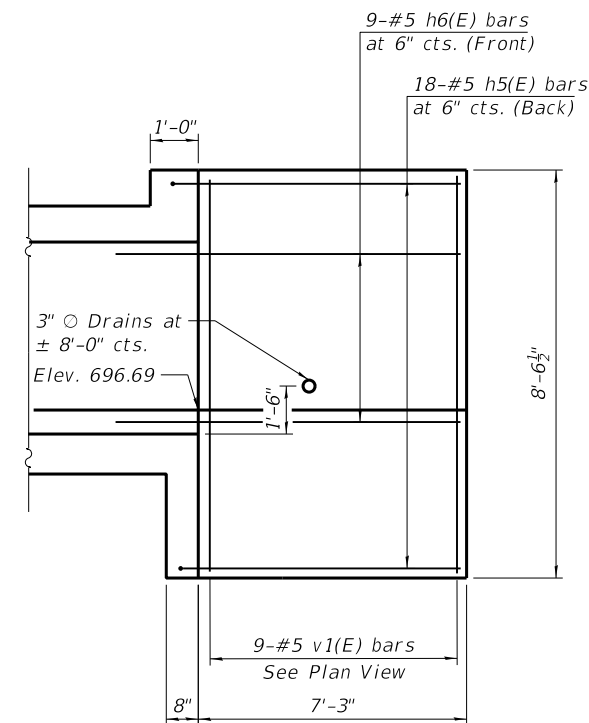
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	52
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

BILL OF MATERIAL

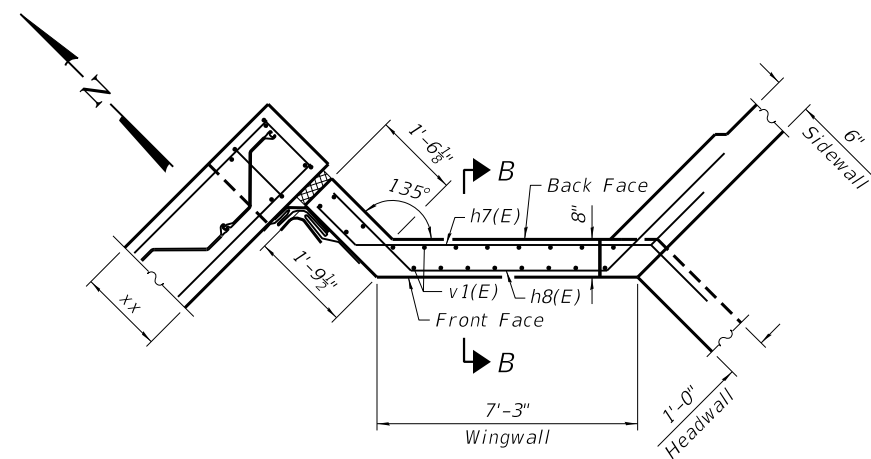
Bar	No.	Size	Length	Shape
a1(E)	167	#6	6'-0"	
a2(E)	79	#5	5'-8"	
d(E)	14	#4	4'-5"	
h(E)	28	#5	38'-8"	
h1(E)	10	#4	38'-8"	
h2(E)	8	#7	5'-8"	
h3(E)	24	#5	8'-0"	
h4(E)	24	#5	10'-3"	
h5(E)	18	#5	8'-0"	
h6(E)	9	#5	10'-3"	
h7(E)	18	#5	9'-0"	
h8(E)	9	#5	14'-1"	
s(E)	7	#4	4'-10"	
s1(E)	7	#4	4'-8"	
v(E)	84	#4	5'-4"	
v1(E)	59	#4	8'-2"	
Concrete Box Culverts			Cu. Yd.	27.5
Reinforcement Bars, Epoxy Coated			Pound	5,170
Concrete Sealer			Sq. Ft.	164



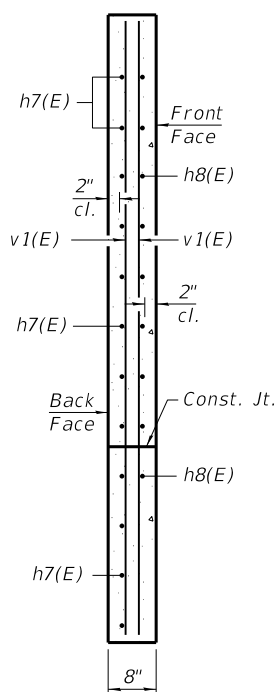
NW WINGWALL ELEVATION



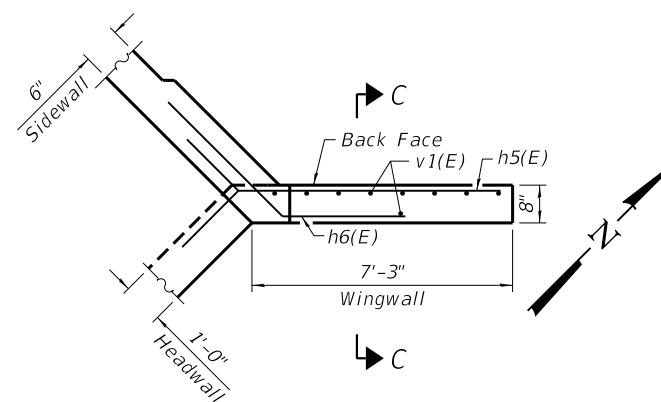
NE WINGWALL ELEVATION



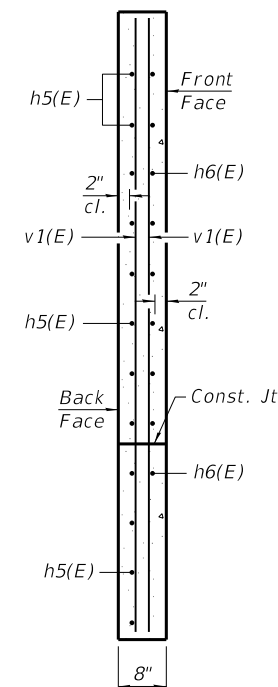
NW WINGWALL PLAN



SECTION B-B

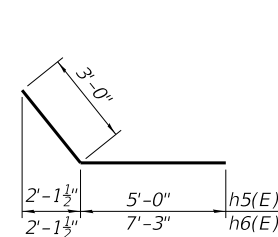


NE WINGWALL PLAN

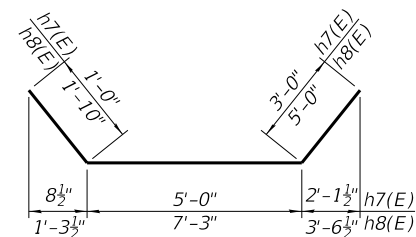


SECTION C-C

Notes:
See Sheet S-03 of S-08 for culvert details, SE and SW wingwall details.
See Sheets S-06 and S-07 of S-08 for Permanent Sheet Pile Details.



BARS h5(E) & h6(E)



BARS h7(E) & h8(E)

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\13043_IDOT DUR AES\Work Order 15 - 62G85\CADD\CADD Sheets\Structural\62G85-04-Wingwall_Details.dgn



USER NAME = JENT	DESIGNED - SAT	REVISED - 03/24/2020 JMT
PLOT SCALE = 21.3333' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 3/24/2020	DRAWN - JN	REVISED -
	CHECKED - SPS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WINGWALL DETAILS
MANHATTAN-MONEE ROAD OVER UN-NAMED DITCH**

SHEET S-04 OF S-08 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	53
CONTRACT NO. 62G85				

ILLINOIS FED. AID PROJECT



wangeng@wangeng.com
1145 North Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

BORING LOG CB-03

WEI Job No.: 199-02-08

Client: **Quigg Engineering Inc.**
Project: **Manhattan-Monee Culverts Replacement**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 700.71 ft
North: 1733502.21 ft
East: 1106240.81 ft
Station: 69+65.39
Offset: 19.27 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
699.7	12-inch thick, brown and black SILTY CLAY LOAM, trace gravel; moist --TOPSOIL-- Medium stiff to stiff, brown and black SILTY CLAY, trace gravel; damp to moist --FILL-- --RDR 2--	0-5	1	3 4 4	1.72 B	25	699.7	--wet--	0-5	9	5 8 10	0.41 B	18
696.7	Medium stiff, brown and gray SILTY CLAY, trace gravel, organic matter; moist to wet --RDR 2--	5-10	2	2 3 3	0.82 B	32	696.7	--2-inch sandy gravel lens; saturated--	5-10	10	8 4 6	1.15 B	15
692.7	--L _c (%)=48, P _L (%)=22-- --%Gravel=2.6-- --%Sand=9.0-- --%Silt=52.6-- --%Clay=35.8-- Stiff to hard, brown SILTY CLAY, trace gravel; damp to moist --RDR 2--	10-15	3	2 1 2	0.66 B	55	692.7	Boring terminated at 30.00 ft	10-15	11	6 5 12	1.39 B	19
689.0	Stiff to hard, brown SILTY CLAY, trace gravel; damp to moist --RDR 2--	15-20	4	2 7 9	4.10 B	18	689.0		15-20	12	3 5 11	1.97 B	19
687.7	Medium dense, gray GRAVEL; saturated	20-25	5	4 7 7	1.48 B	28	687.7		20-25	13			
686.6	Loose, gray SAND; saturated	25-30	6	7 5 4	0.66 B	16	686.6		25-30	14			
	Soft to stiff, gray SILTY CLAY, trace gravel; damp to moist --RDR 2--	30-35	7	3 3 6	1.15 B	17			30-35	15			
		35-40	8	3 4 5	1.07 B	16			35-40	16			

GENERAL NOTES

Begin Drilling **04-22-2019** Complete Drilling **04-22-2019**
Drilling Contractor **Wang Testing Services** Drill Rig **D25 ATV [93%]**
Driller **N&A** Logger **E. Yim** Checked by **J. Rowells**
Drilling Method **2.25" HSA; boring backfilled upon completion.**

WATER LEVEL DATA

While Drilling ∇ **11.75 ft**
At Completion of Drilling ∇ **27.00 ft**
Time After Drilling **NA**
Depth to Water ∇ **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



wangeng@wangeng.com
1145 North Main Street
Lombard, IL 60148
Telephone: 630-953-9928
Fax: 630-953-9938

BORING LOG CB-04

WEI Job No.: 199-02-08

Client: **Quigg Engineering Inc.**
Project: **Manhattan-Monee Culverts Replacement**
Location: **Will County, Illinois**

Datum: NAVD 88
Elevation: 702.65 ft
North: 1733516.64 ft
East: 1106303.98 ft
Station: 70+28.87
Offset: 6.23 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
702.43	43-inch thick ASPHALT --PAVEMENT--	0-1					702.43		0-1				
701.7	9-inch thick CONCRETE --PAVEMENT--	1-2					701.7		1-2				
699.7	Medium dense, gray GRAVEL; damp --BASE COURSE--	2-5	1	8 9 7	NP B	27	699.7	--silt lenses--	2-5	9	4 6 9	1.31 B	16
697.2	Stiff, black SILTY CLAY LOAM, trace gravel; damp to moist --BURIED TOPSOIL--	5-10	2	3 2 3	1.39 B	30	697.2		5-10	10	3 10 8	1.07 B	22
691.2	Stiff to hard, brown, black and gray SILTY CLAY, trace gravel; damp to moist --RDR 2--	10-15	3	2 3 3	1.80 B	27	691.2		10-15	11	6 9 11	4.43 B	17
691.0	SANDY GRAVEL; saturated Very stiff, gray SILTY CLAY LOAM, trace to some gravel; damp to moist --RDR 2--	15-20	4	2 3 5	4.76 B	22	691.0		15-20	12	6 7 10	2.05 B	19
687.2	Medium dense, gray SAND, trace gravel; saturated	20-25	5	3 4 6	2.50 P	16	687.2		20-25	13			
686.4	Stiff to hard, brownish gray to gray SILTY CLAY, trace gravel; damp to moist --RDR 2--	25-30	6	4 4 4	2.30 B	15	686.4		25-30	14			
		30-35	7	3 2 7	2.13 B	14			30-35	15			
		35-40	8	2 3 4	1.23 B	17			35-40	16			

GENERAL NOTES

Begin Drilling **04-19-2019** Complete Drilling **04-19-2019**
Drilling Contractor **Wang Testing Services** Drill Rig **B57 TMR [100%]**
Driller **N&A** Logger **E. Yim** Checked by **J. Rowells**
Drilling Method **2.25" HSA; boring backfilled upon completion.**

WATER LEVEL DATA

While Drilling ∇ **11.50 ft**
At Completion of Drilling ∇ **14.00 ft**
Time After Drilling **NA**
Depth to Water ∇ **NA**

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



USER NAME = John	DESIGNED - SAT	REVISED -
PLOT SCALE = 21.3333' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 1/24/2020	DRAWN - JN	REVISED -
	CHECKED - SPS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS - I
MANHATTAN-MONEE ROAD OVER UN-NAMED DITCH

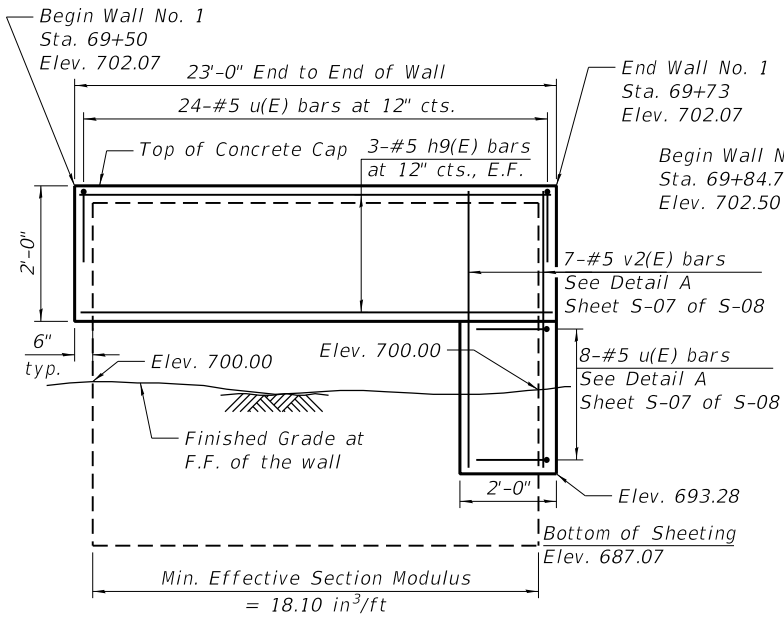
SHEET S-05 OF S-08 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 62G85				
ILLINOIS		FED. AID PROJECT		

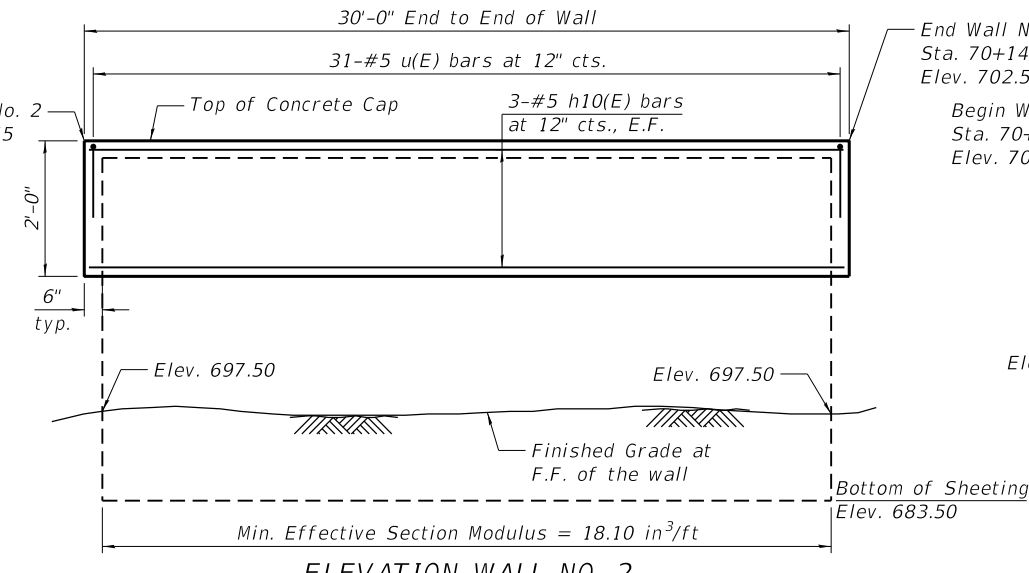
Benchmark: Cut "X" in top of the concrete cap for sheet pile wall, west of box culvert.
Elevation 702.49.

Existing Structure: The existing structure is a retaining wall located at station 71+03. The retaining wall is approximately 50'-0" long and average exposed height of the retaining wall is 4'-6". The existing wall is a gabion wall and will be removed and replaced with a proposed wall.

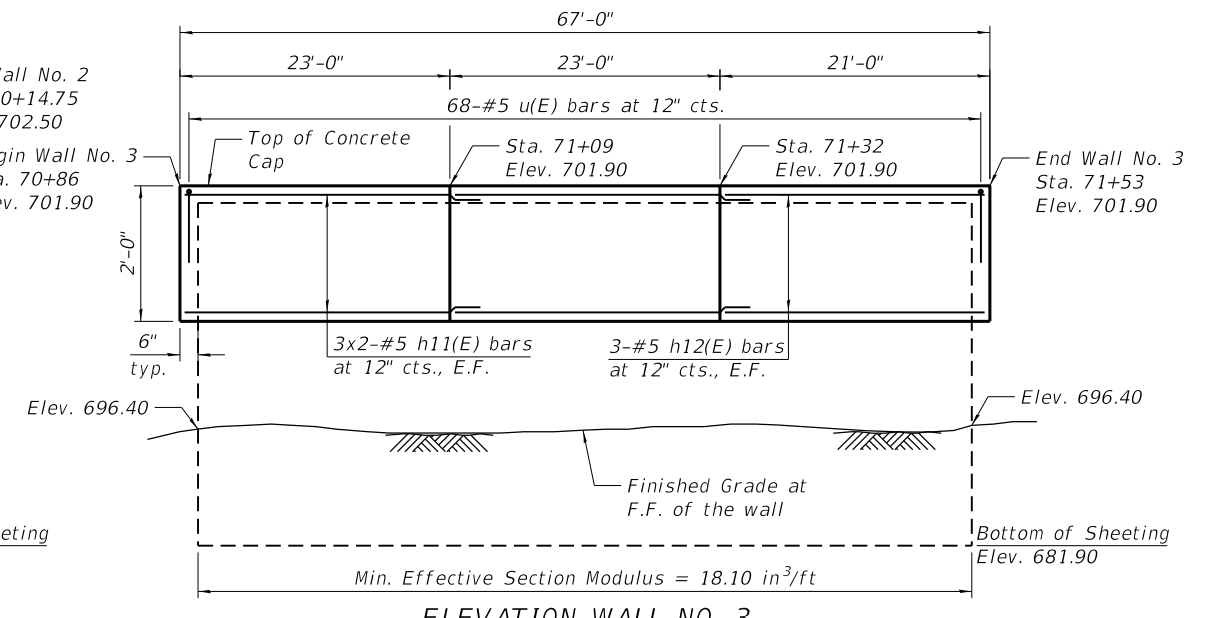
No salvage.



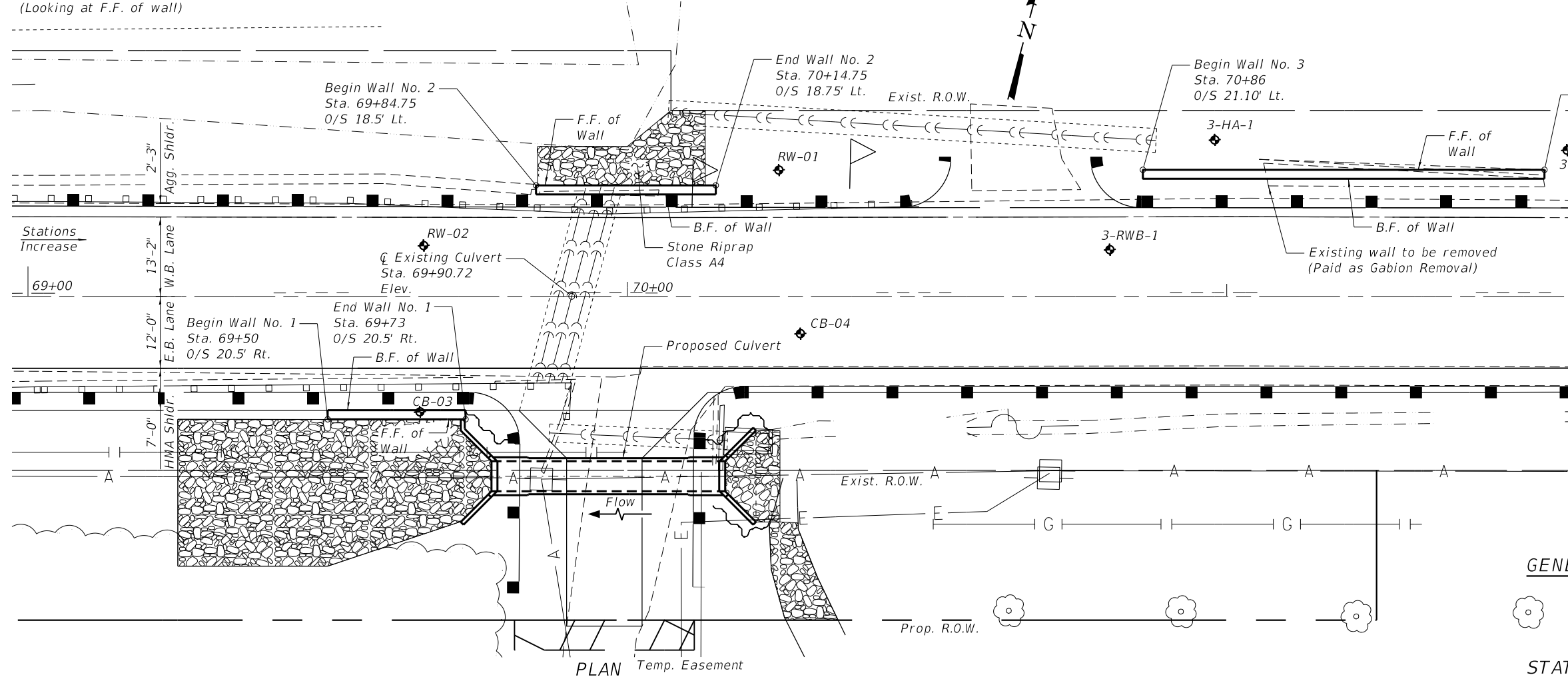
ELEVATION-WALL NO. 1
(Looking at F.F. of wall)



ELEVATION-WALL NO. 2
(Looking at B.F. of wall)



ELEVATION-WALL NO. 3
(Looking at B.F. of wall)



MIN BAR LAP
#5 Bar = 3'-7"



DATE SIGNED: 03/24/2020
EXP. DATE: 11/30/2020

LEGEND

- ◆ Soil Borings
- F.F. Front Face
- B.F. Back Face

GENERAL PLAN NO. 1, NO. 2 & NO. 3
RETAINING WALLS ALONG
MANHATTAN-MONEE ROAD
WILL COUNTY
STATION 69+50, 69+84.75 & 71+03

MODEL: Default
FILE NAME: Q:\Engineering\Live\Projects\13043_IDOT DUR AES\Work Order 15 - 62G85\CADD\Structural\CADD Sheets\Structural\62G85-06-GPE-Retaining Wall.dgn

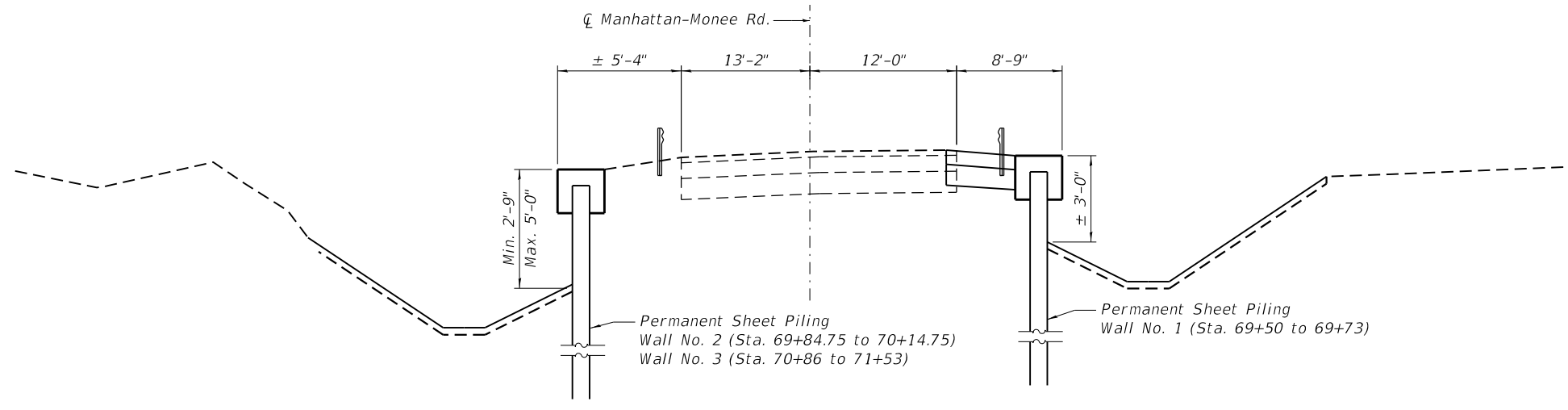


USER NAME = JENT	DESIGNED - SAT	REVISED - 03/24/2020 JMT
PLOT SCALE = 21.3333' / in.	CHECKED - JMT	REVISED -
PLOT DATE = 3/24/2020	DRAWN - JN	REVISED -
	CHECKED - SPS	REVISED -

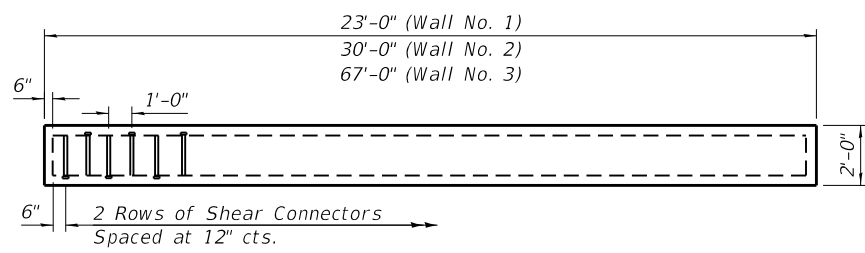
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET S-06 OF S-08 SHEETS

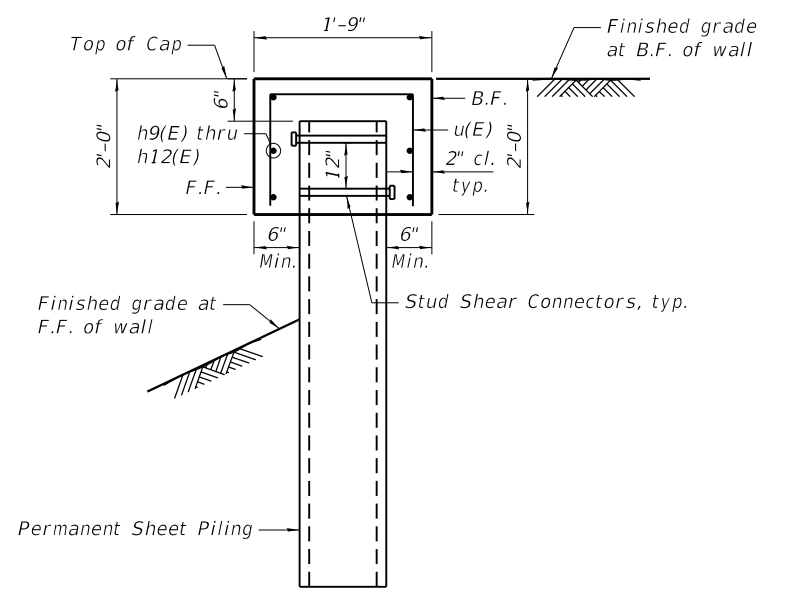
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	55
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



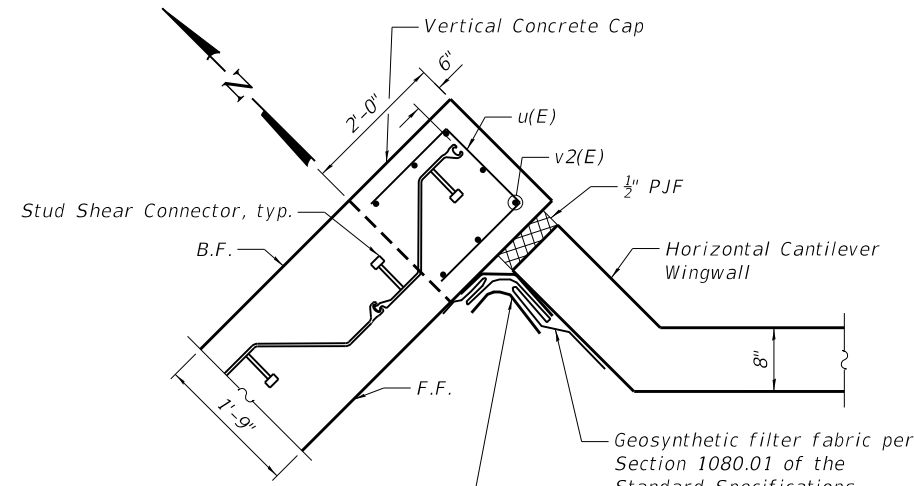
PROPOSED TYPICAL SECTION
(Looking East)



PLAN VIEW SHEAR STUDS



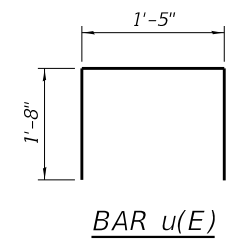
TYPICAL SECTION THRU WALL



DETAIL A

$\frac{1}{4}$ " x 12" wide fabric reinforced elastomeric mat per Section 1028 of the Standard Specifications.
Geosynthetic filter fabric per Section 1080.01 of the Standard Specifications. Minimum weight shall be 4 oz./sq. yd. Fold as Shown

Note: The cost of the Fabric Reinforced Elastomeric Mat, Geosynthetic Filter Fabric and $\frac{1}{2}$ " P.J.F. is included in the cost of Concrete Structures.



BAR u(E)

NOTE:

B.F. denotes Back Face
F.F. denotes Front Face

GENERAL NOTES:

1. Bars indicated thus 3x2-#5 etc. indicates 3 lines of bars with 2 lengths per line.
2. See Sheet S-06 of S-08 for reinforcement layout for concrete cap.
3. Wall stations, offsets and dimensions are measured at front face of wall.
4. Shear Connectors shall be $\frac{3}{4}$ " \times 8" long granular or solid flux filled headed connectors automatically end welded in field to sheet piling.
5. The details for the concrete cap, reinforcement and required number of shear connectors are based on Section PZ 22 sheet piling. If the Contractor chooses to use any other section, the Contractor shall submit revised configuration for approval by the Engineer. Such changes shall not be cause for additional compensation.
6. For Boring Logs see sheets S-05 and S-08 of S-08.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h9(E)	6	#5	22'-8"	—
h10(E)	6	#5	29'-8"	—
h11(E)	12	#5	26'-5"	—
h12(E)	6	#5	20'-8"	—
u(E)	114	#5	4'-9"	□
v(E)	7	#5	8'-4"	—
Concrete Structures			Cu. Yd.	12.9
Stud Shear Connectors			Each	234
Reinforcement Bars, Epoxy Coated			Pound	1,500
Permanent Sheet Piling			Sq. Ft.	2,201
Concrete Sealer			Sq. Ft.	450

USER NAME =	John	DESIGNED -	SAT	REVISED -	
		CHECKED -	JMT	REVISED -	
PLOT SCALE =	21.3333' / in.	DRAWN -	JN	REVISED -	
PLOT DATE =	1/24/2020	CHECKED -	SPS	REVISED -	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	56
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



BORING LOG RW-01

wangeng@wangeng.com
 1145 North Main Street
 Lombard, IL 60148
 Telephone: 630-953-9928
 Fax: 630-953-9938

Client: **Wei Job No.: 199-02-08**
Quigg Engineering Inc.
 Project: **Manhattan-Monee Culverts Replacement**
 Location: **Will County, Illinois**

Datum: NAVD 88
 Elevation: 700.84 ft
 North: 1733543.84 ft
 East: 1106299.79 ft
 Station: 70+25.28
 Offset: 21.06 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	699.8	12-inch thick, brown to black SILTY CLAY LOAM, trace gravel; moist															
	699.5	--TOPSOIL-- Gray SILT, trace gravel; damp --FILL--	1		1	4	1.50	15									
	696.8	Stiff, brown to black SILTY CLAY LOAM, trace to little gravel; damp to moist --FILL-- --RDR 3 to 4--	2		2	4	1.31	26		670.8	--<0.5-inch silty loam lens; saturated--	9		9	4	1.64	20
	690.6	Stiff, orange, brown and gray SILTY CLAY, trace gravel; damp to moist --RDR 2 to 3--	3		3	2	1.89	29				10		10	5	2.54	18
	689.3	--little gravel-- --moist to wet--	4		4	3	1.64	18				11		11	6	1.23	22
	687.8	--rig chatter--	5		5	4						12		12	4	2.87	18
	689.3	SAND; saturated										15		15	5		
	689.3	Medium stiff, gray SILTY CLAY, trace gravel; moist	5		5	22	0.90	24				20		20	3	2.38	17
	687.8	Stiff to very stiff, gray SILTY CLAY, trace gravel; damp to moist --RDR 2--	6		6	5	1.31	16				25		25	5		
	687.8		15		15	5						30		30	5		
												35		35	5		
												40		40	5		
												45		45	4		
												50		50	5		
												55		55	5		
												60		60	5		

GENERAL NOTES

WATER LEVEL DATA

Begin Drilling 04-22-2019 Complete Drilling 04-22-2019
 Drilling Contractor Wang Testing Services Drill Rig D25 ATV [93%]
 Driller N&A Logger E. Yim Checked by J. Rowells
 Drilling Method 2.25" HSA; boring backfilled upon completion

While Drilling 10.20 ft
 At Completion of Drilling 30.00 ft
 Time After Drilling NA
 Depth to Water NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



BORING LOG RW-02

wangeng@wangeng.com
 1145 North Main Street
 Lombard, IL 60148
 Telephone: 630-953-9928
 Fax: 630-953-9938

Client: **Wei Job No.: 199-02-08**
Quigg Engineering Inc.
 Project: **Manhattan-Monee Culverts Replacement**
 Location: **Will County, Illinois**

Datum: NAVD 88
 Elevation: 702.15 ft
 North: 1733529.95 ft
 East: 1106240.82 ft
 Station: 69+66.02
 Offset: 8.47 LT

Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	701.93	9-inch thick ASPHALT															
	701.2	9-inch thick CONCRETE															
	699.2	Black SILTY CLAY LOAM --FILL--	1		1	8	NA	25		672.2	gray SILTY CLAY, trace gravel; moist to wet --RDR 2--	9		9	3	1.49	23
	699.2	Stiff, black SILTY CLAY LOAM, trace gravel and organics; moist --BURIED TOPSOIL--	2		2	2	1.00	37				10		10	3	1.64	14
	695.9	Stiff to hard, brown and gray SILTY CLAY, trace gravel; damp to wet --RDR 2--	3		3	1	1.07	37				11		11	5	2.05	19
	690.7	SANDY GRAVEL; saturated	5		5	3	1.50	15				12		12	4	1.56	19
	690.0	Possible SANDY GRAVEL to SAND; saturated										15		15	5		
	687.9	Medium stiff, gray SILTY CLAY LOAM, trace gravel; moist to wet --RDR 2--	6		6	5	NR					20		20	2		
	682.9	Stiff to very stiff, gray to brownish	8		8	2	NR					25		25	3		

GENERAL NOTES

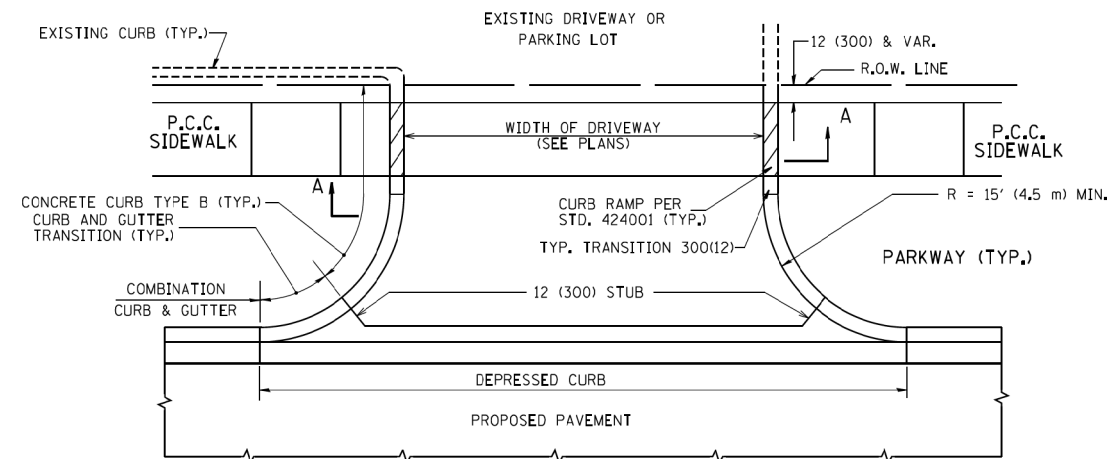
WATER LEVEL DATA

Begin Drilling 04-19-2019 Complete Drilling 04-19-2019
 Drilling Contractor Wang Testing Services Drill Rig B57 TMR [100%]
 Driller N&A Logger E. Yim Checked by J. Rowells
 Drilling Method 2.25" HSA; boring backfilled upon completion

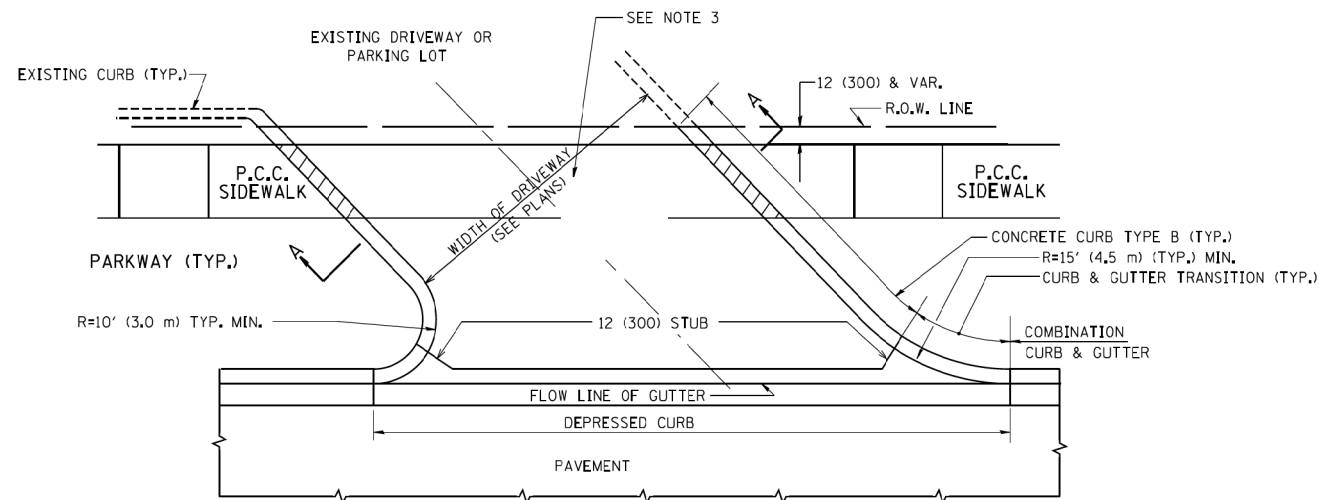
While Drilling 11.50 ft
 At Completion of Drilling 19.50 ft
 Time After Drilling NA
 Depth to Water NA

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

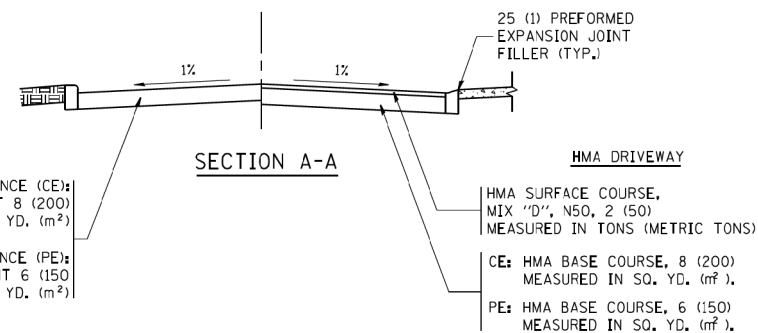
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CHECKED -	JMT	CHECKED -	JMT	REVISED -	
PLOT SCALE =	21.3333" / in.	DRAWN -	JN	REVISED -	
PLOT DATE =	1/24/2020	CHECKED -	SPS	REVISED -	



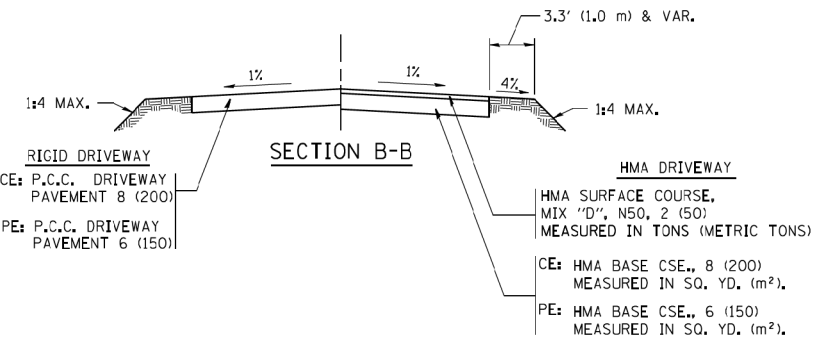
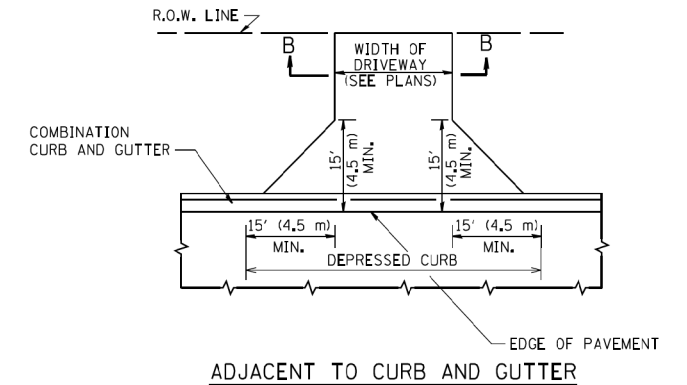
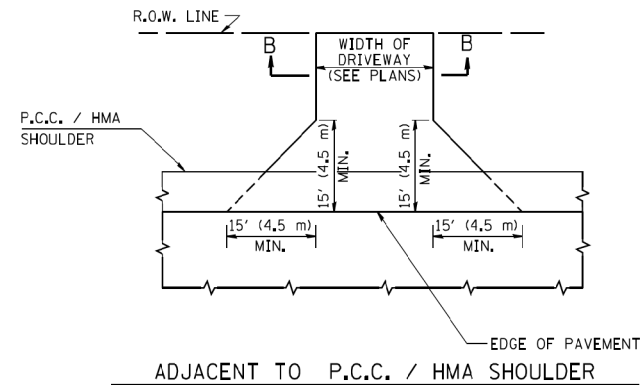
WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



SECTION A-A



SECTION B-B

RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE CSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

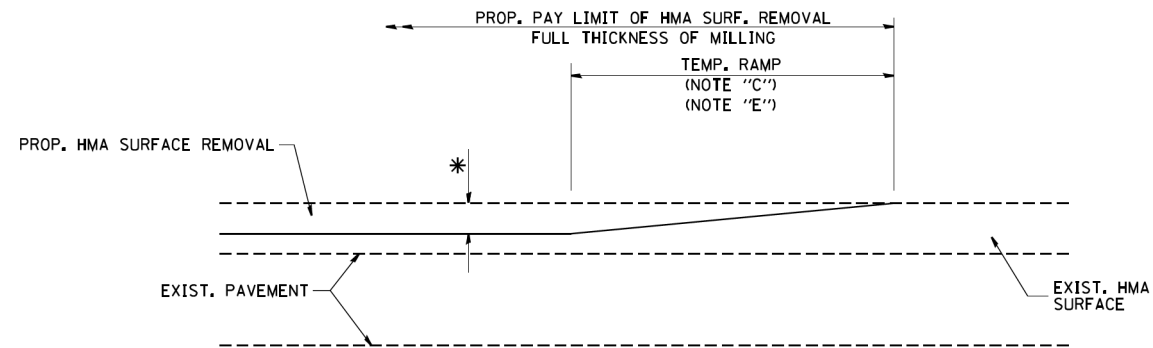
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	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
 AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

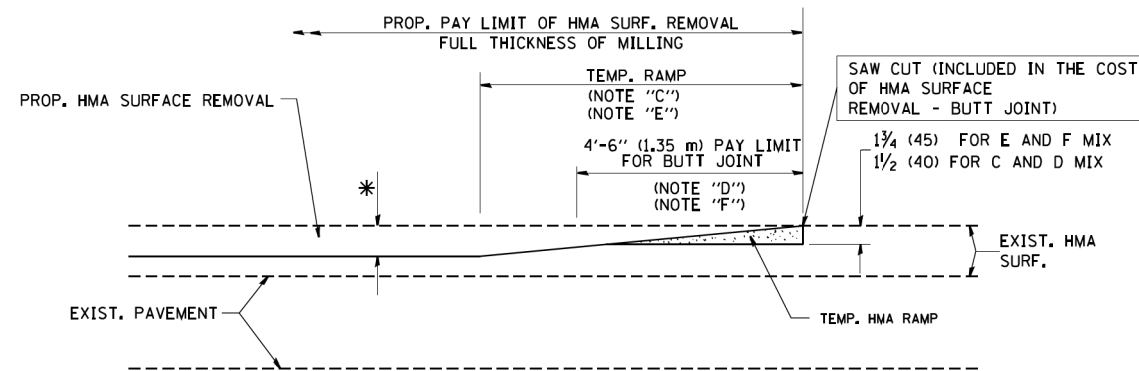
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	58
BD0156-07 (BD-01)			CONTRACT NO. 62G85	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



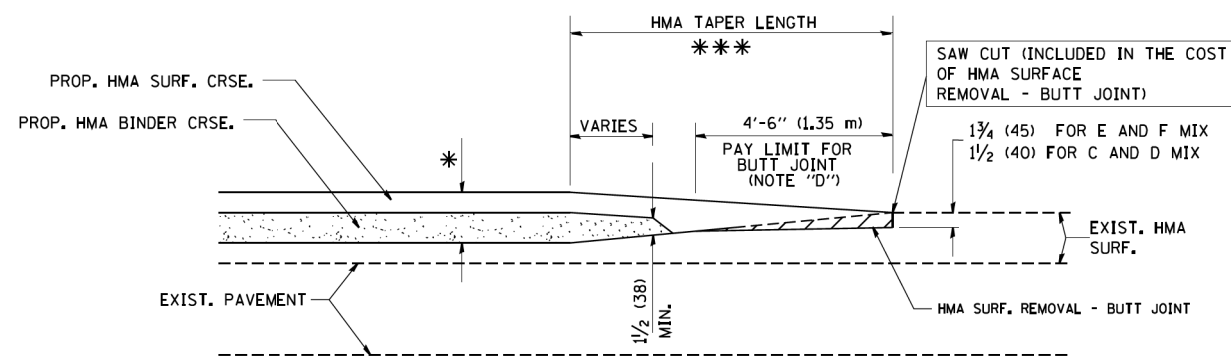
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

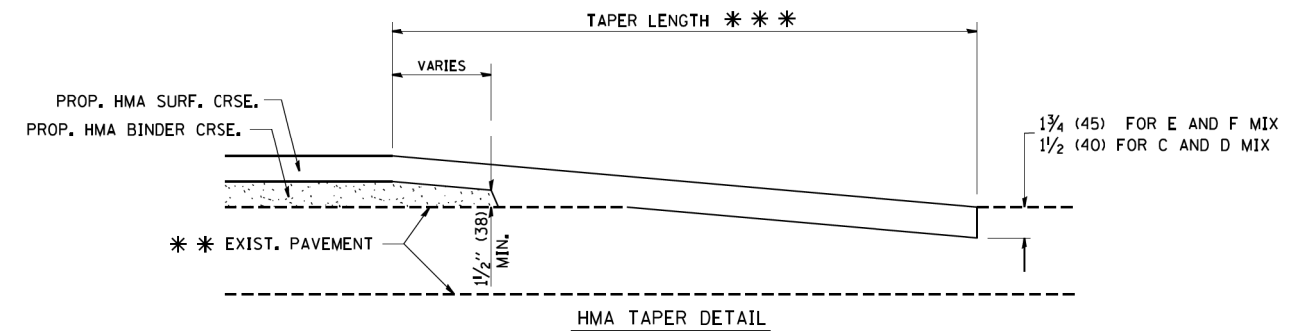
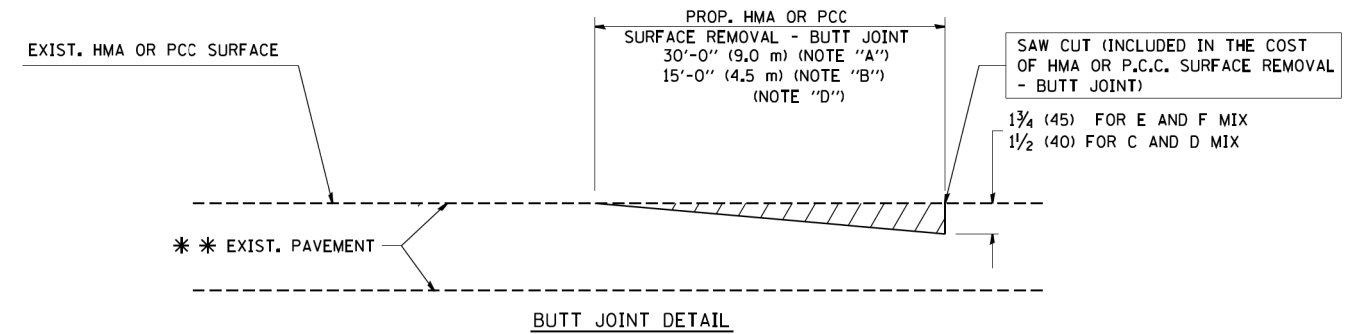


HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

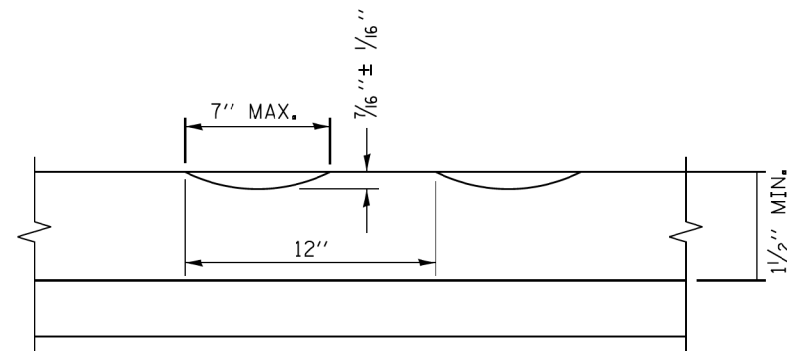
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

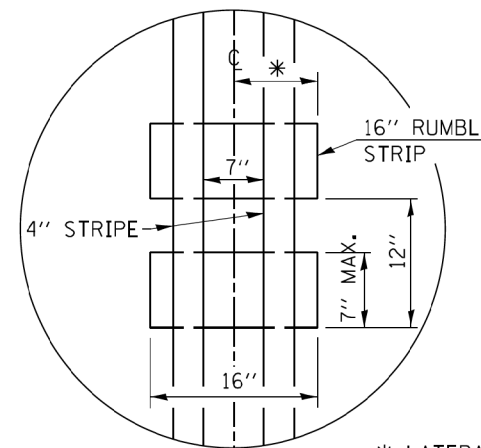
BUTT JOINT AND
HMA TAPER DETAILS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	59
BD400-05 BD32			CONTRACT NO. 62G85	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A



DETAIL B

GENERAL NOTES

CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.

SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.

ALL RUMBLE STRIPS SHALL BE MILLED.

CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.

DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.

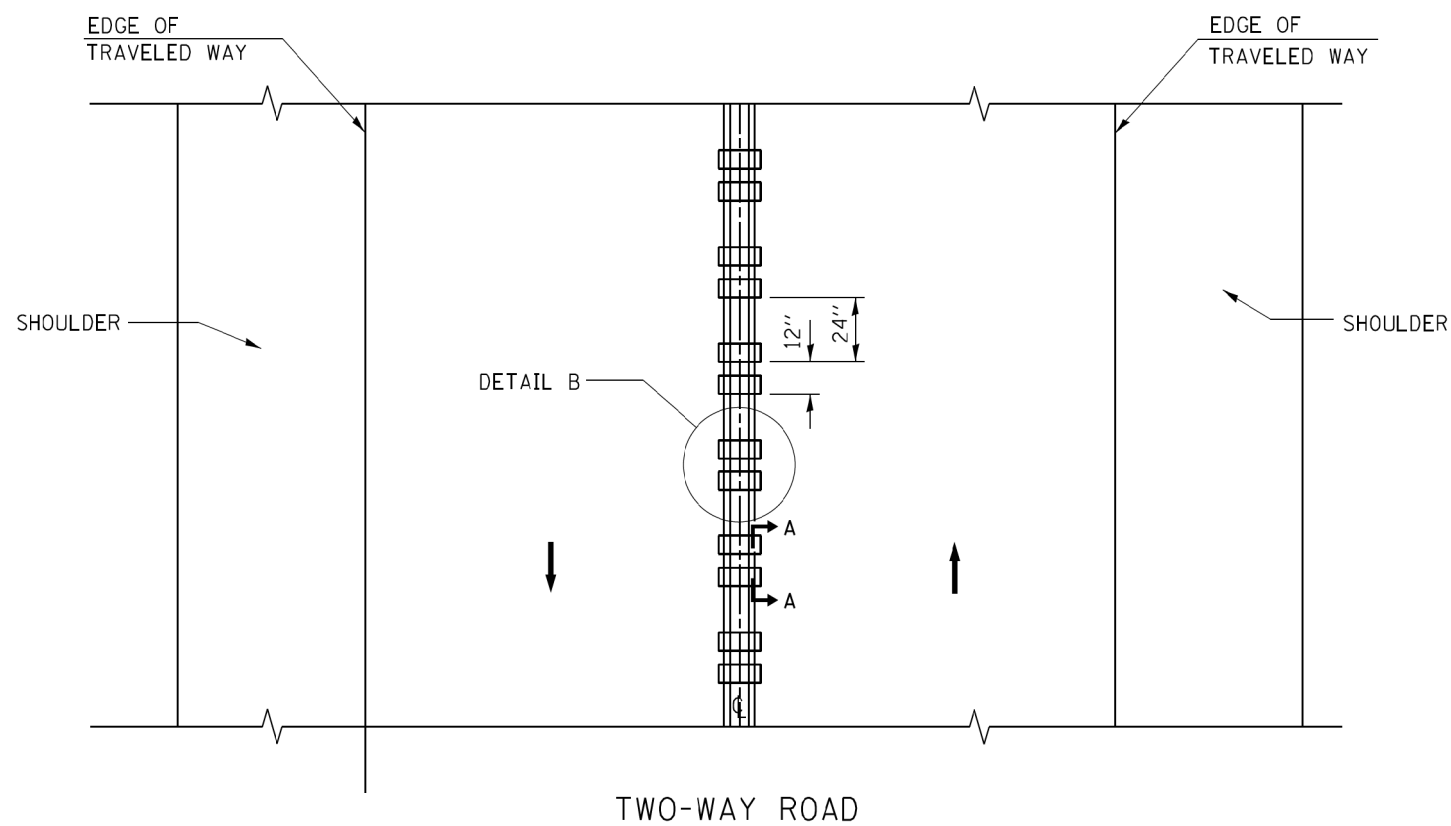
AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.

WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

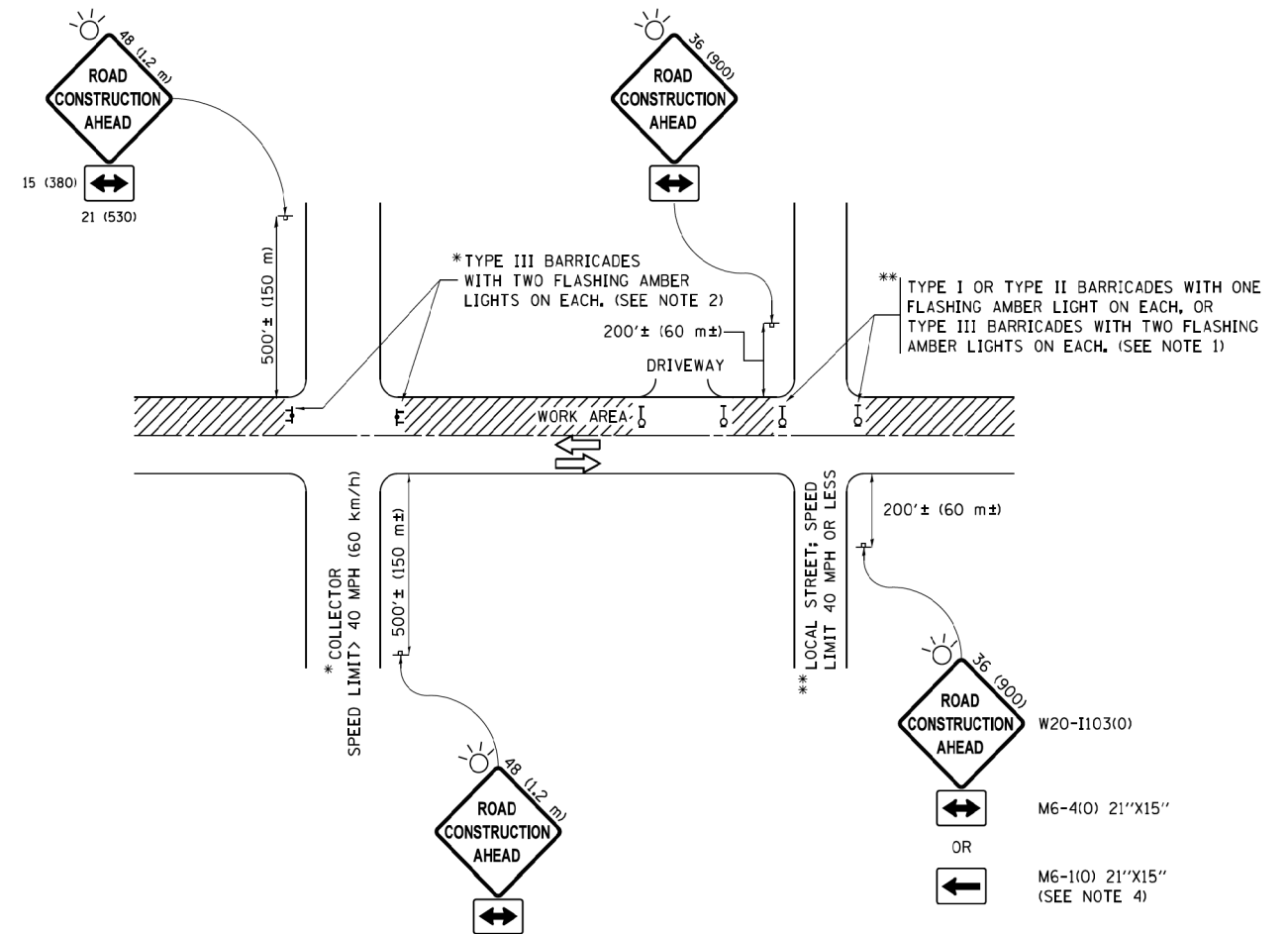
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.

HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

FILE NAME =	USER NAME = geglencbt	DESIGNED - R, BORO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RUMBLE STRIPES FOR CENTERLINE, NON-FREEWAY	F.A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\puidot\geglencbt\d0108315\bd5.dgn		DRAWN -	REVISED -			531	2018-063-CR&D	WILL	87	60
PLOT SCALE = 50.0000 ' / 1"		CHECKED -	REVISED -			BD 55		CONTRACT NO. 62G85		
PLOT DATE = 8/28/2014		DATE - 08-06-2012	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S), THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

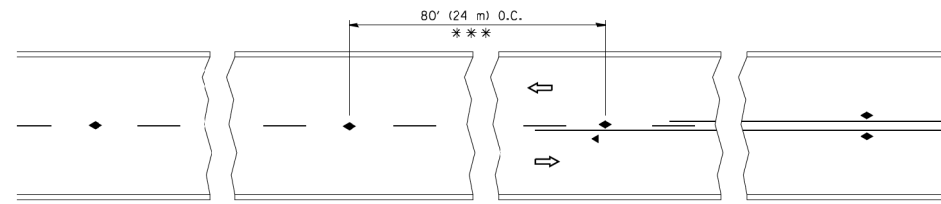
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Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

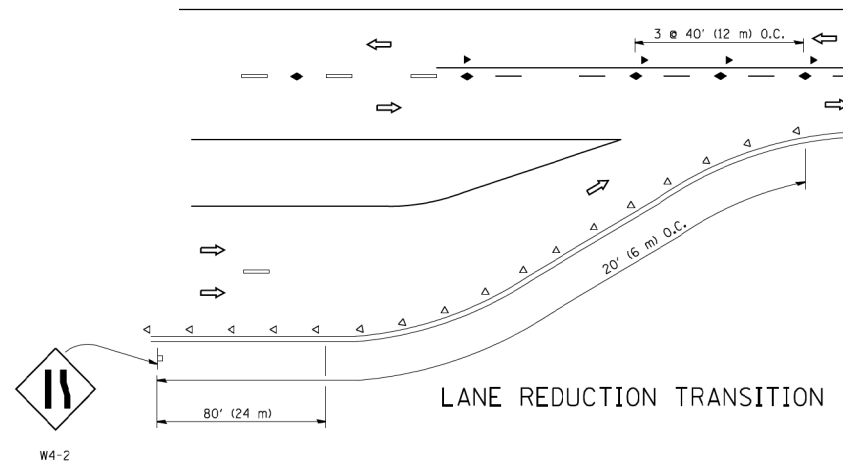
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F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 61
TC-10			CONTRACT NO. 62G85	
ILLINOIS FED. AID PROJECT				

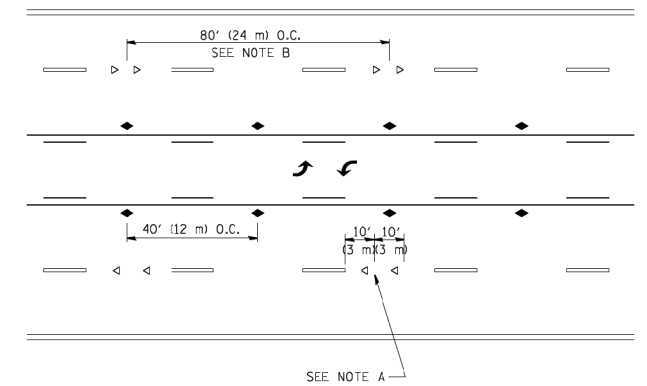


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 $$ km/h) OR LESS.

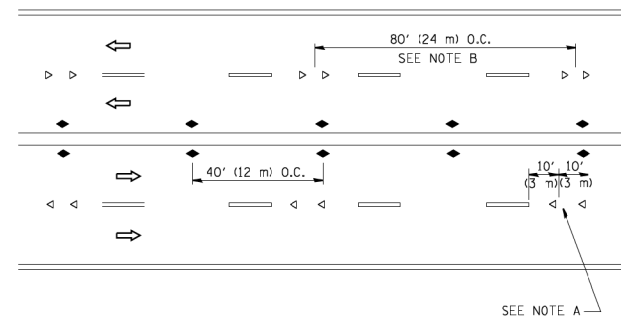
TWO-LANE/TWO-WAY



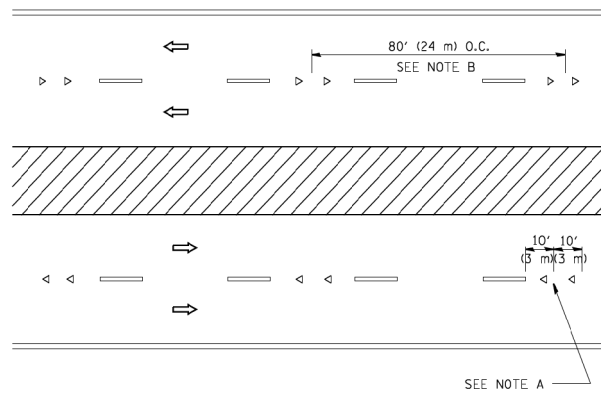
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

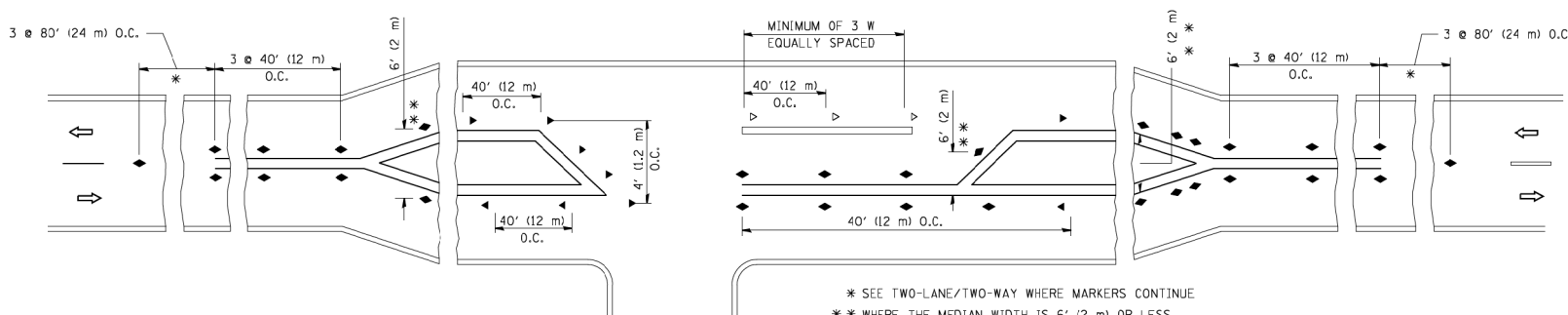
- USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

DESIGN NOTES

- DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

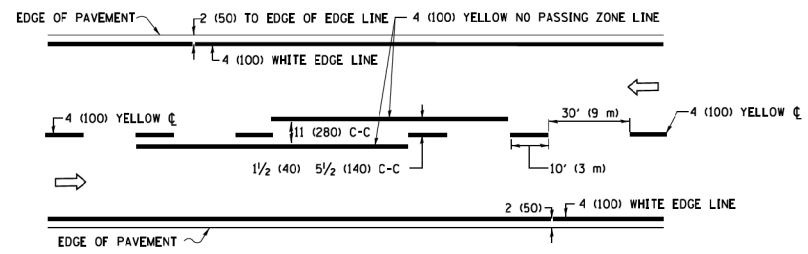
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

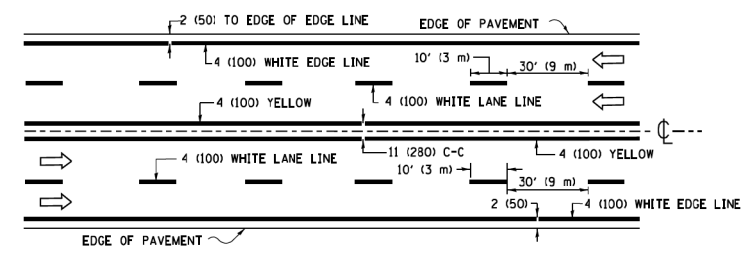
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

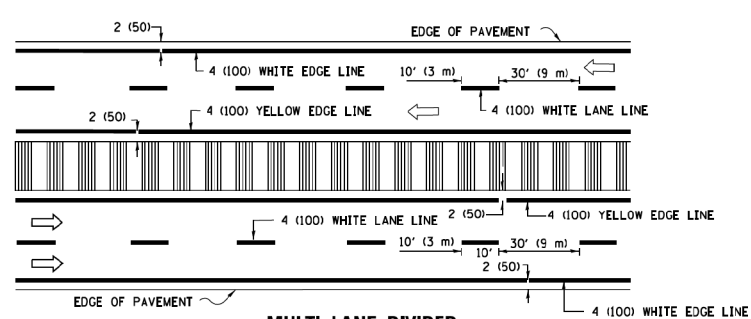
F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 62
TC-11			CONTRACT NO. 62G85	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

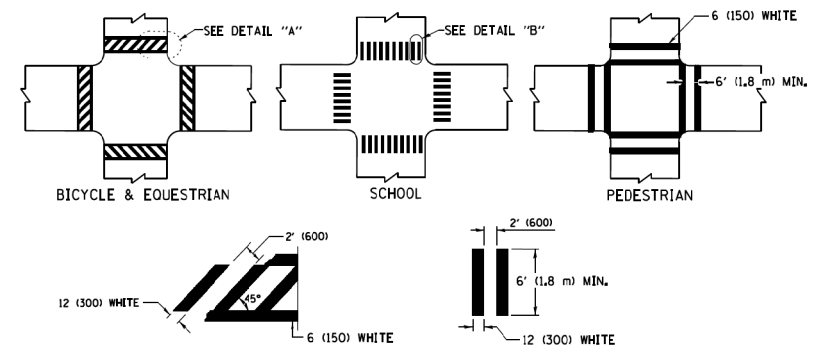


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

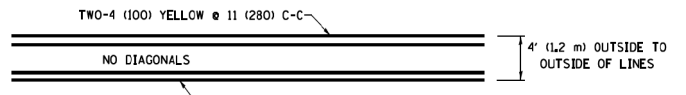
TYPICAL LANE AND EDGE LINE MARKING



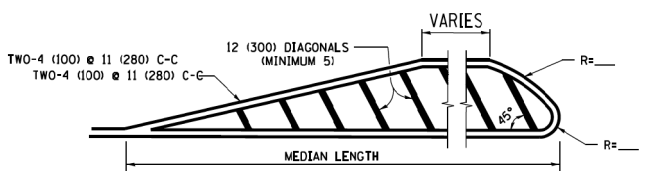
DETAIL "A" DETAIL "B"

TYPICAL CROSSWALK MARKING

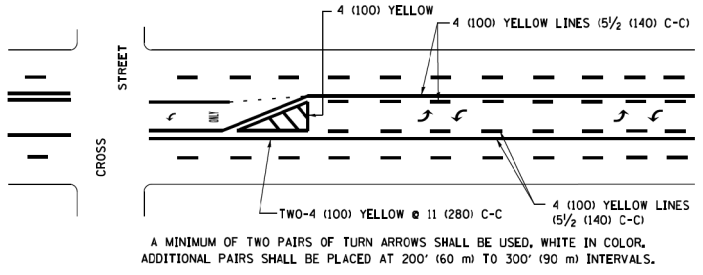
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



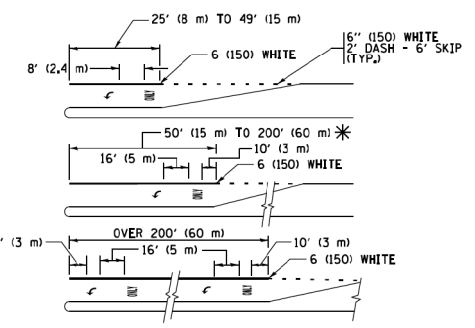
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE



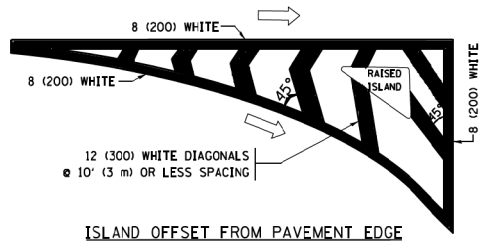
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**



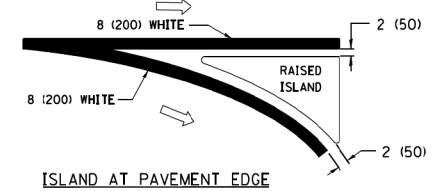
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

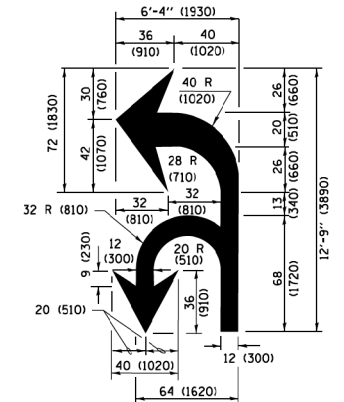


ISLAND OFFSET FROM PAVEMENT EDGE

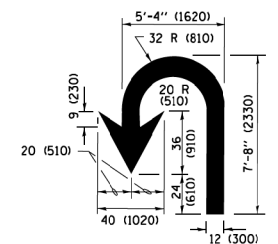


ISLAND AT PAVEMENT EDGE

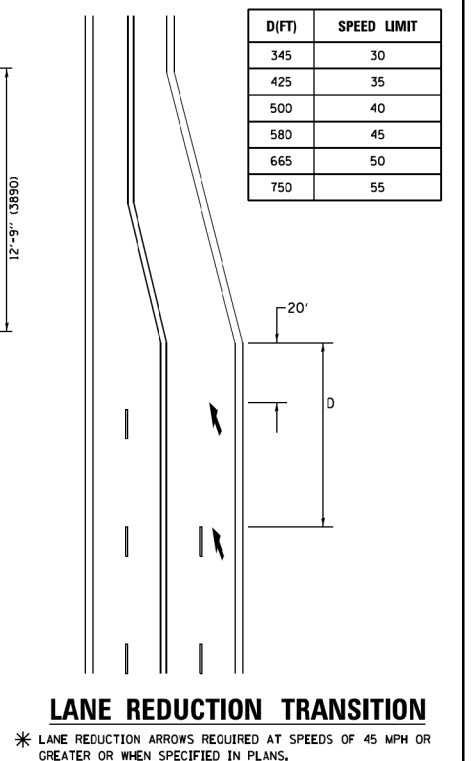
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS 8' (2.4m)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 2 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW TWO WAY TRAFFIC WHITE ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT DATE = 6/23/2017	CHECKED -	REVISED - C. JUCIUS 12-21-15
		DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A. ^P RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 63
TC-13			CONTRACT NO. 62G85	
ILLINOIS FED. AID PROJECT				

MODEL: Default
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ROUTE MARKERS

FOR U.S. ROUTES
MI-40-2424

FOR ILLINOIS ROUTES
MI-50-2424

R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

M5-1L-2115

M5-1R-2115

M6-1-2115

M6-1-2115

M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

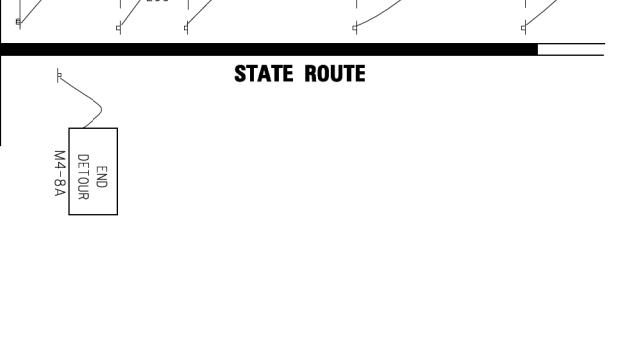
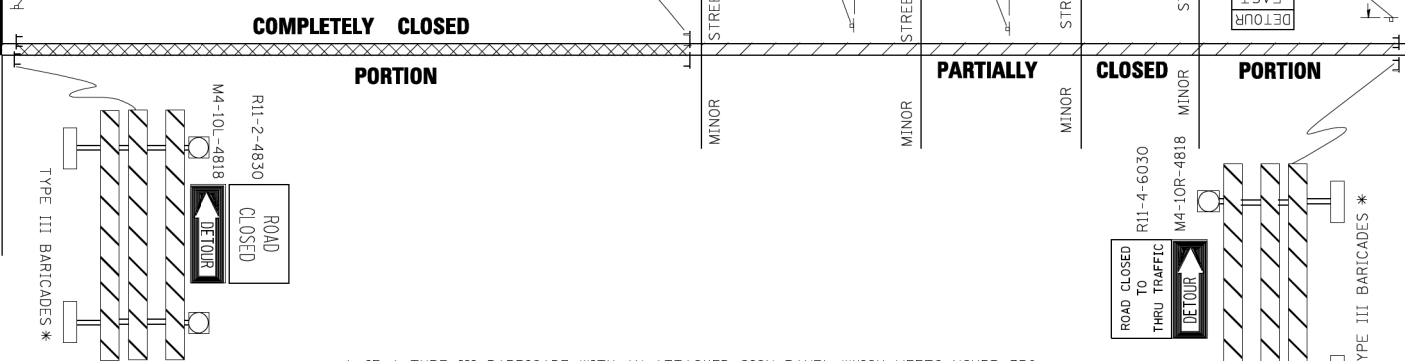
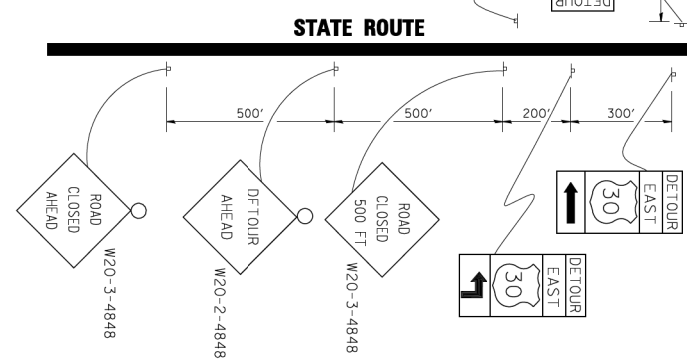
NORTH M3-1-2412

EAST M3-2-2412

SOUTH M3-3-2412

WEST M3-4-2412

DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
		DRAWN -	REVISED - R. BORO 09-14-09
	PLOT SCALE = 49,9999' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/14/2009	DATE -	REVISED -

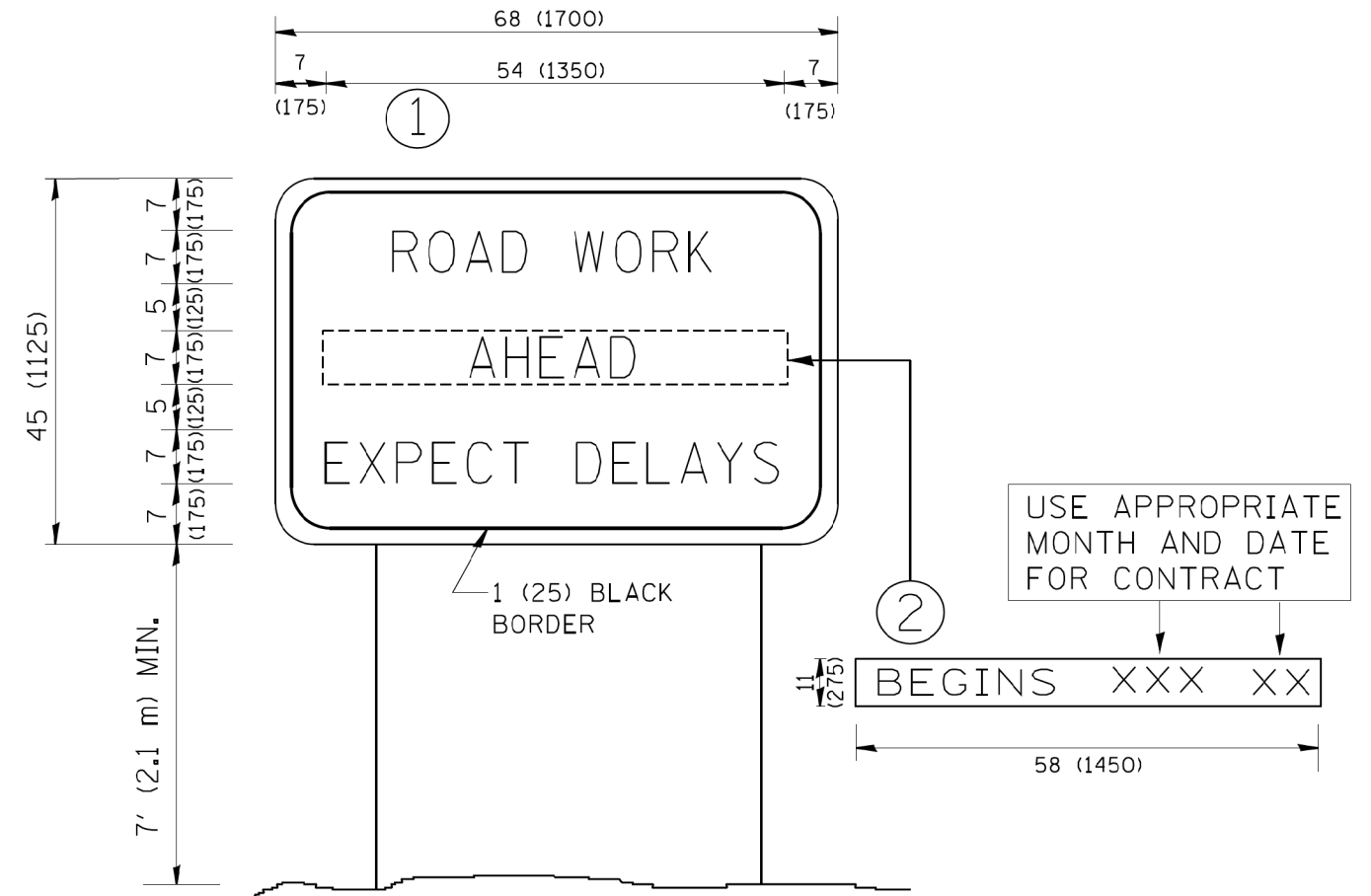
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 64
TC-21			CONTRACT NO. 62G85	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

MODEL: SH06LNAME1
FILE NAME: 37125



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\dist\td\22x34\te22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

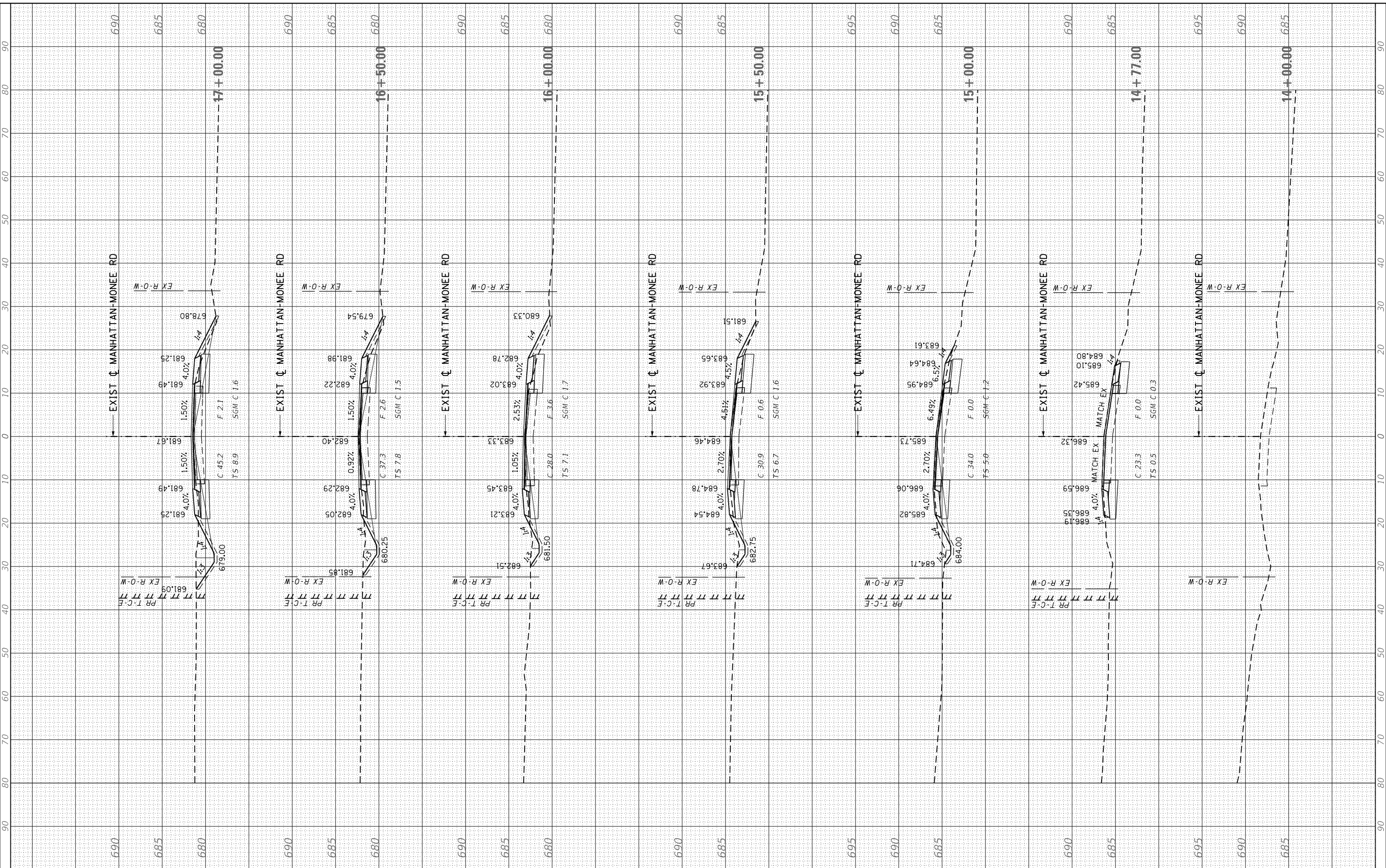
ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 65
TC-22		CONTRACT NO. 62G85		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

MODEL: Defnair
 FILE NAME: S:\2018\1810\02\AES ID01.PTB 185-02\VO15-02\G85-Admin\Manhattan_Monee\CADD\CADD Sheets\14-17\20G85-shs-35.mxd



USER NAME = mokrent	DESIGNED - MO	REVISIONS
PLOT SCALE = 20.0000' / in.	DRAWN - RG	REVISIONS
PLOT DATE = 1/24/2020	CHECKED - JA	REVISIONS
	DATE - 9/11/19	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

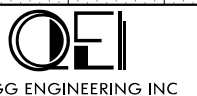
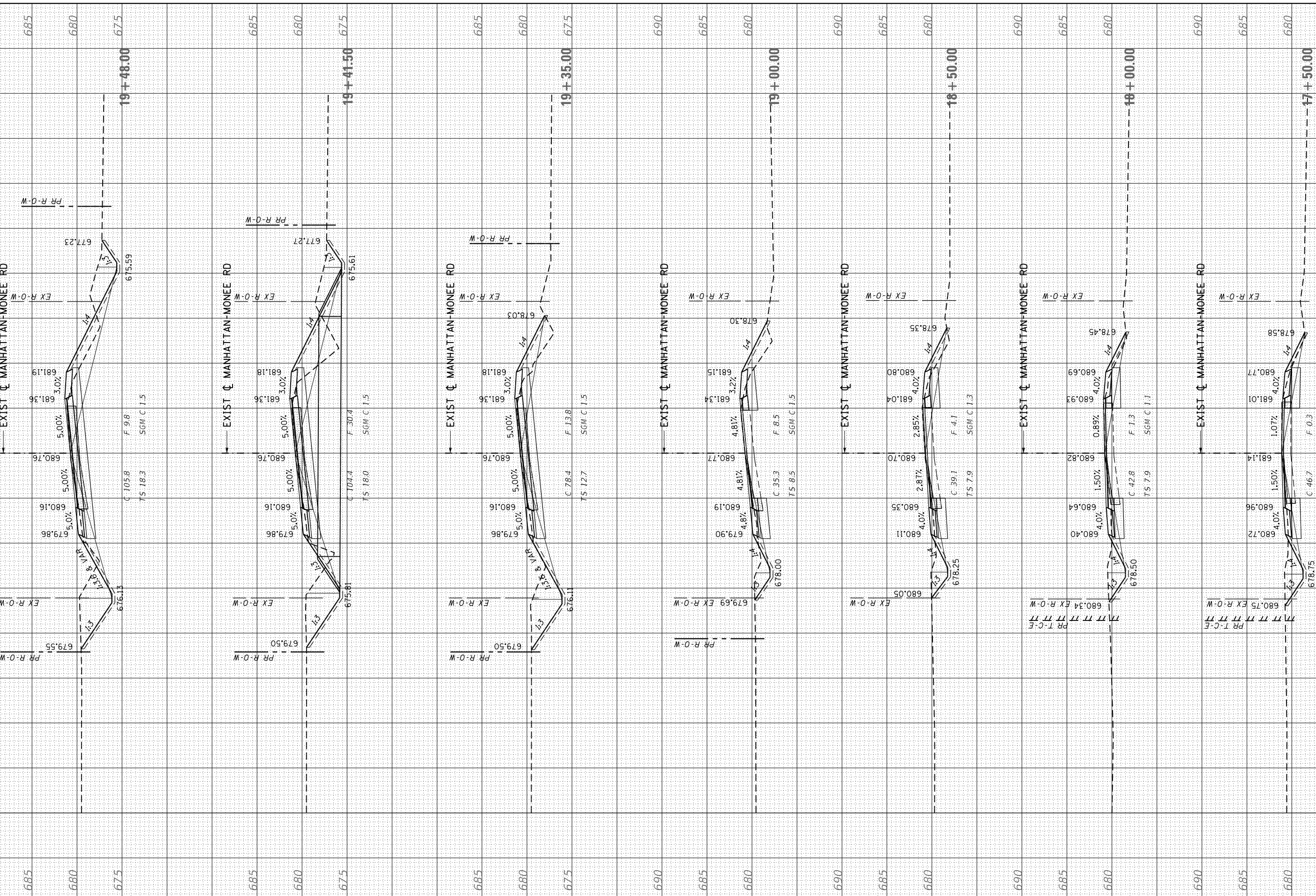
CROSS SECTIONS - MANHATTAN-MONEE ROAD	
SCALE:	SHEET OF SHEETS
STA. 14+00.00 TO STA. 17+00.00	

F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 66
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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USER NAME	= mokrent
DESIGNED	- MO
DRAWN	- RG
PLotted SCALE	= 20.0000' / 1"
CHECKED	- JA
DATE	- 9/11/19

REVISIED	-
REVISIED	-
REVISIED	-
REVISIED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - MANHATTAN-MONEE ROAD

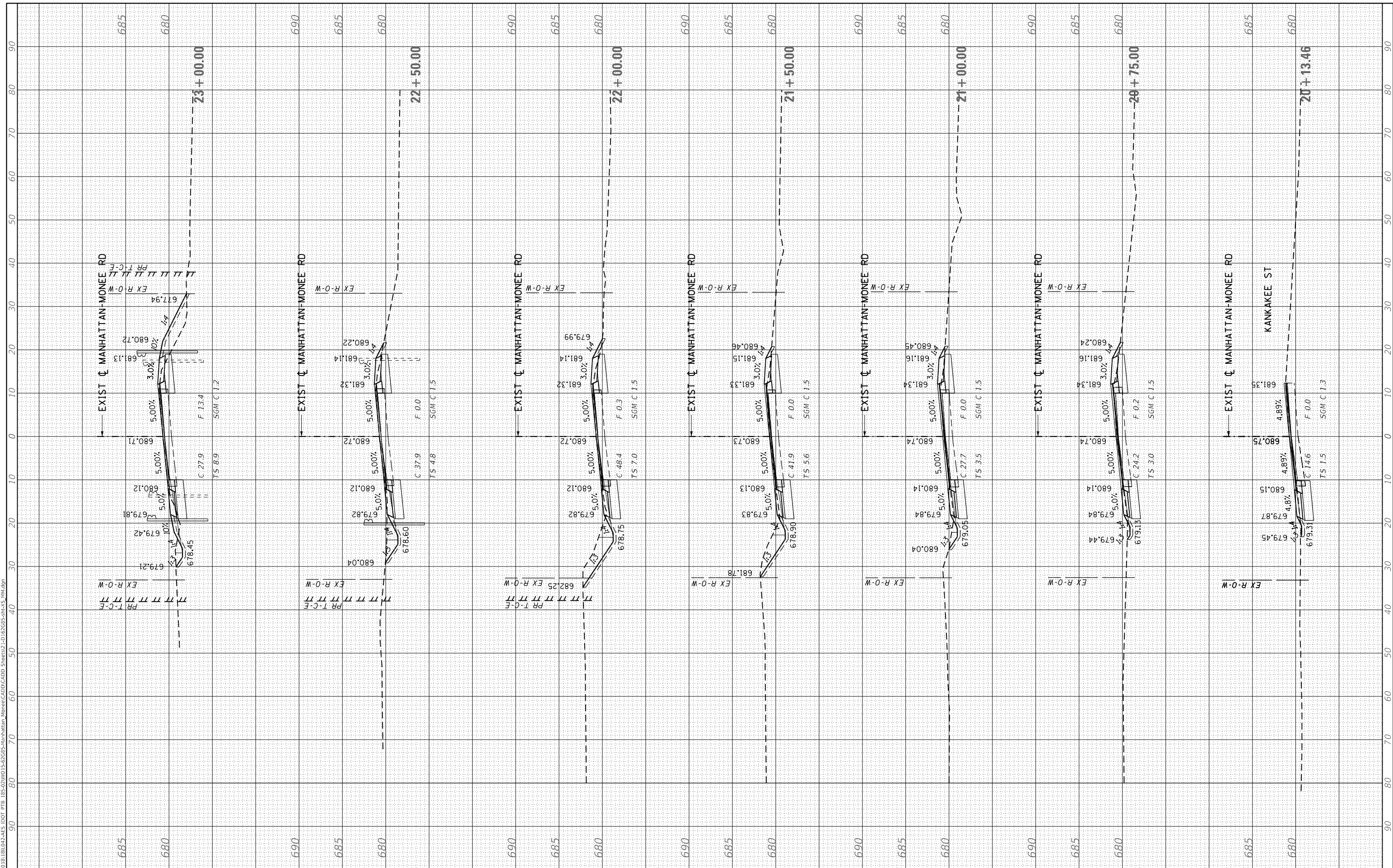
SCALE: SHEET OF SHEETS STA. 17+50.00 TO STA. 19+48.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	67
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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USER NAME	= mokrent
DESIGNED	- MO
DRAWN	- RG
CHECKED	- JA
DATE	- 9/11/19

REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - MANHATTAN-MONEE ROAD

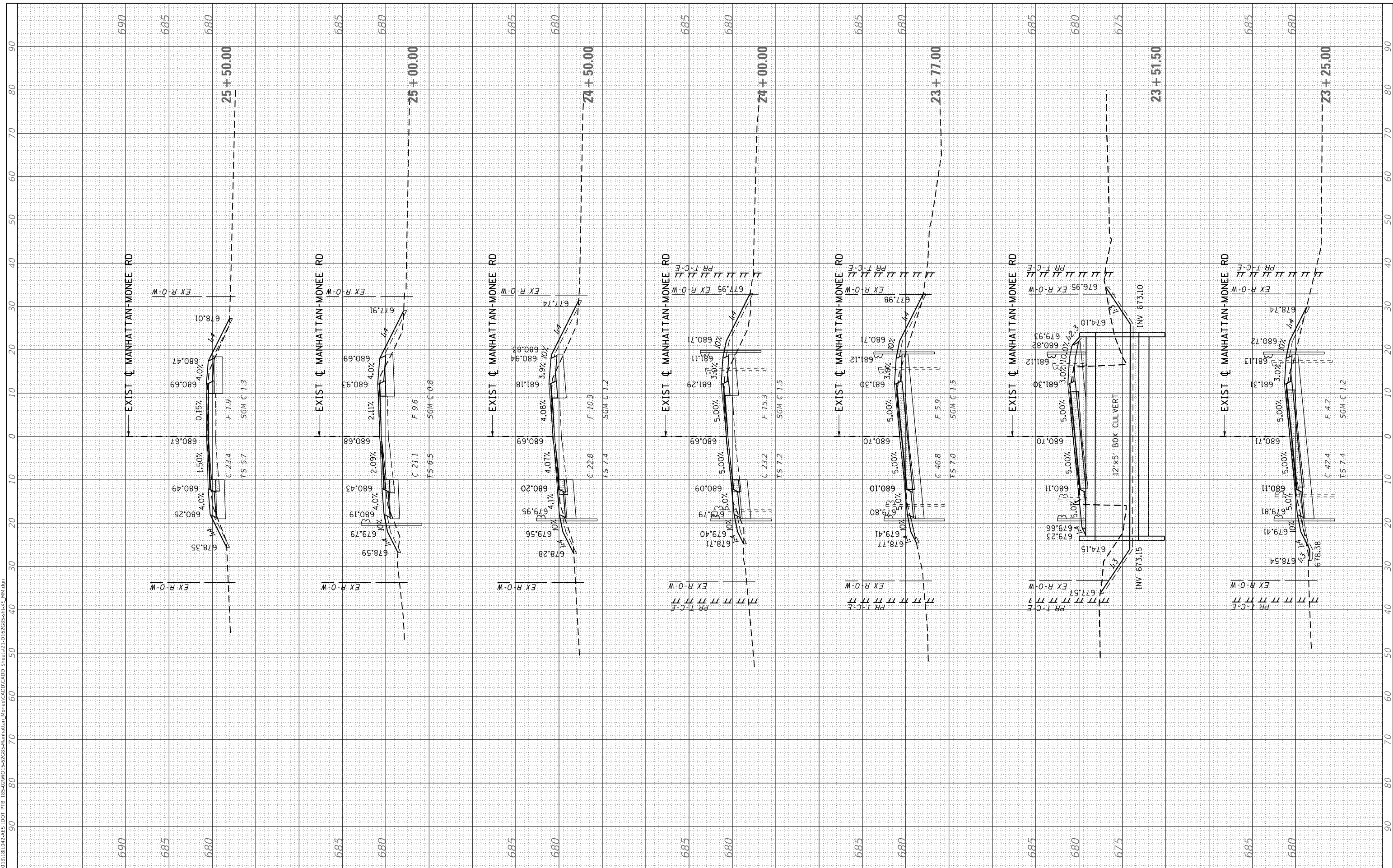
SCALE: SHEET OF SHEETS STA. 20+13.46 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	68
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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

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	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 1/24/2020	DATE - 9/11/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - MANHATTAN-MONEE ROAD

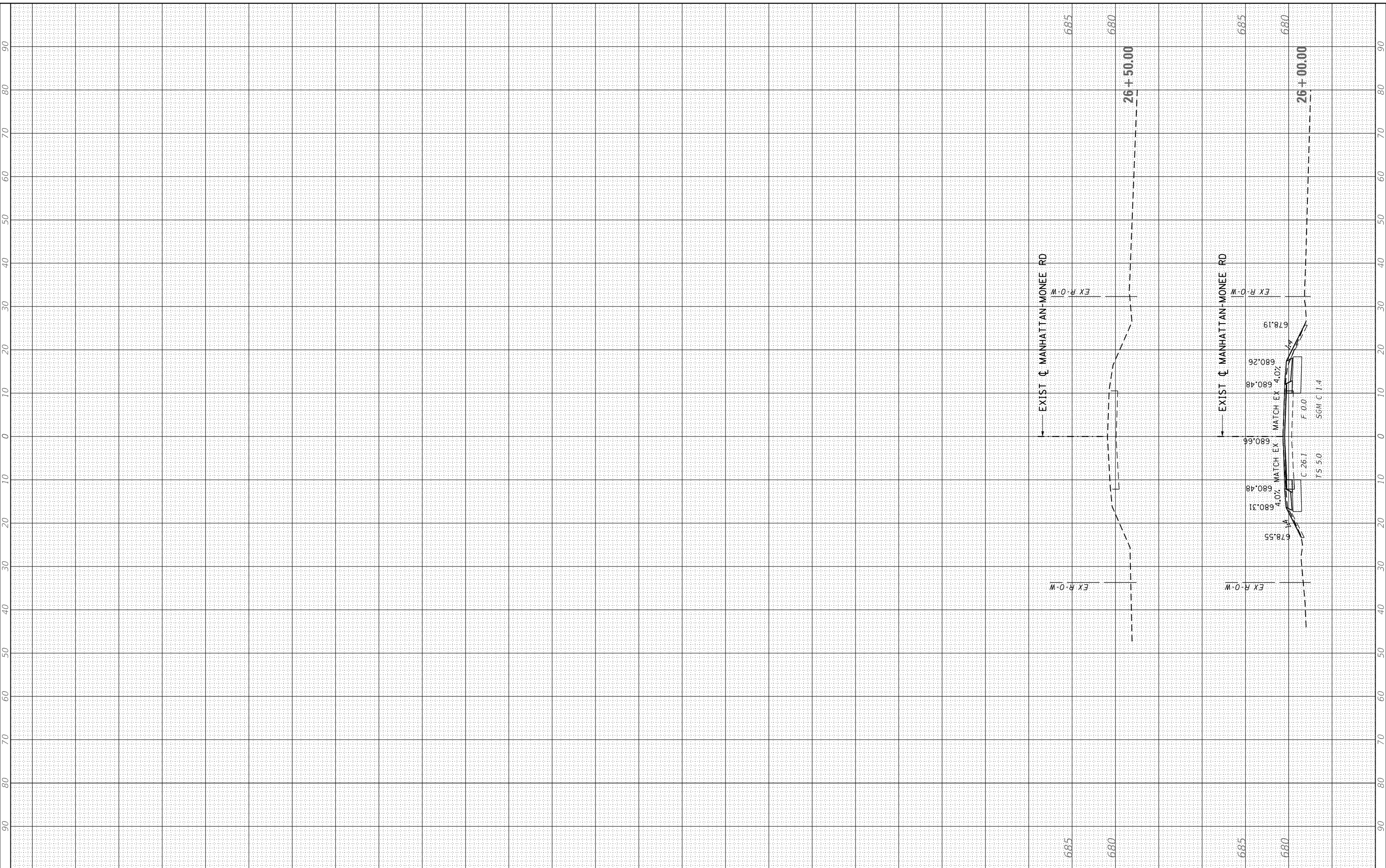
SCALE: SHEET OF SHEETS STA. 23+25.00 TO STA. 25+50.00

F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 69
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = mokrent	DESIGNED - MO	REVISED -
PLOT SCALE = 20,0000 ' / in.	DRAWN - RG	REVISED -
PLOT DATE = 1/24/2020	CHECKED - JA	REVISED -
	DATE - 9/11/19	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - MANHATTAN-MONEE ROAD

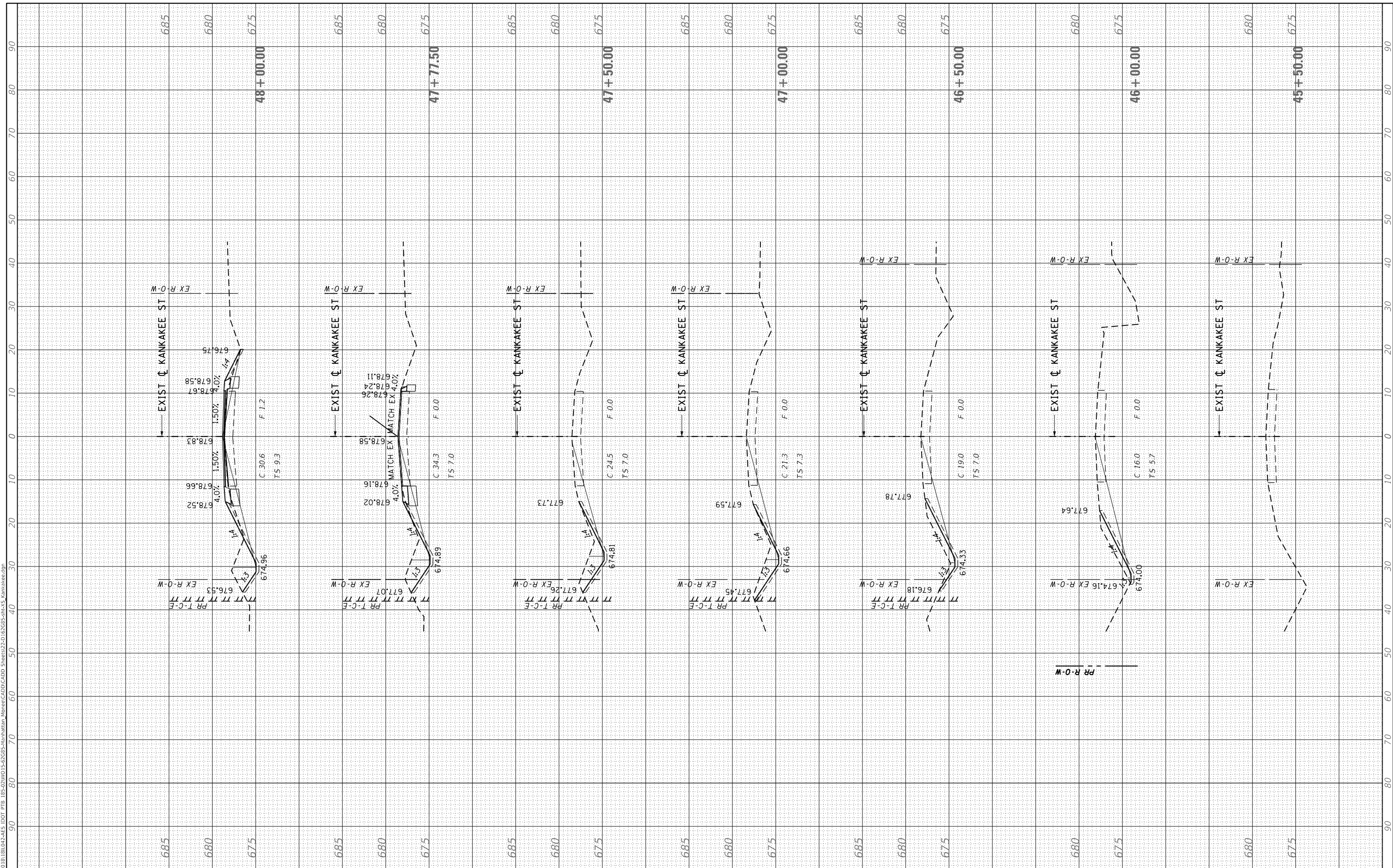
SCALE: SHEET OF SHEETS STA. 26+00.00 TO STA. 26+50.00

F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 70
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME =	mokrent
DESIGNED -	MO
DRAWN -	RG
CHECKED -	JA
DATE -	9/11/19
PLOT SCALE =	20.0000' / in.
PLOT DATE =	1/24/2020

DESIGNED -	MO
DRAWN -	RG
CHECKED -	JA
DATE -	9/11/19

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - KANKAKEE STREET

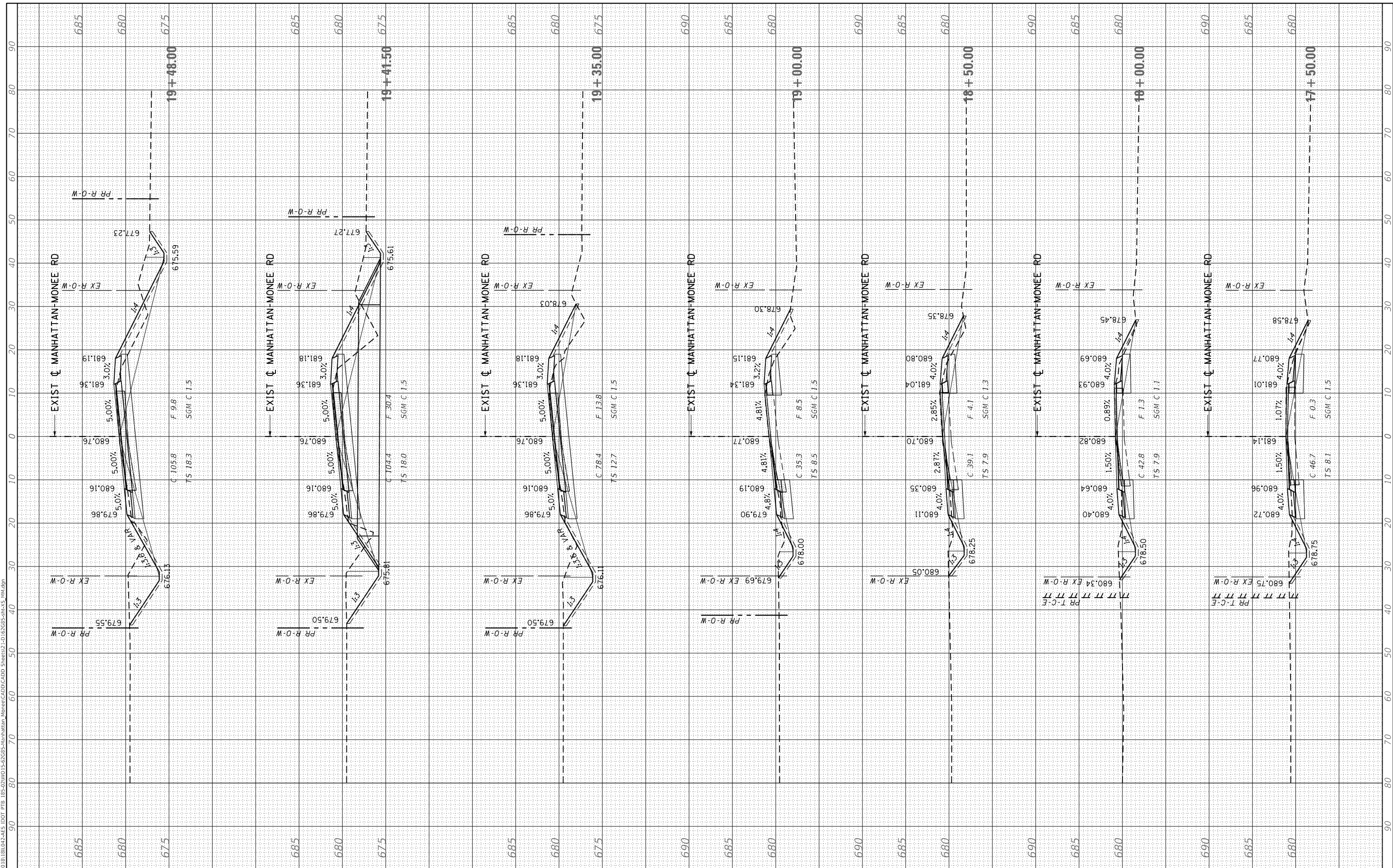
SCALE: SHEET OF SHEETS STA. 45+50.00 TO STA. 48+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	71
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS		
	CHECKED		

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USER NAME = mokrent
DESIGNED - MO
DRAWN - RG
PLOT SCALE = 20.0000' / in.
CHECKED - JA
PLOT DATE = 1/24/2020

REVISIONS:
REVISION 1 - MO
REVISION 2 - RG
REVISION 3 - JA
DATE - 9/11/19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - MANHATTAN-MONEE ROAD

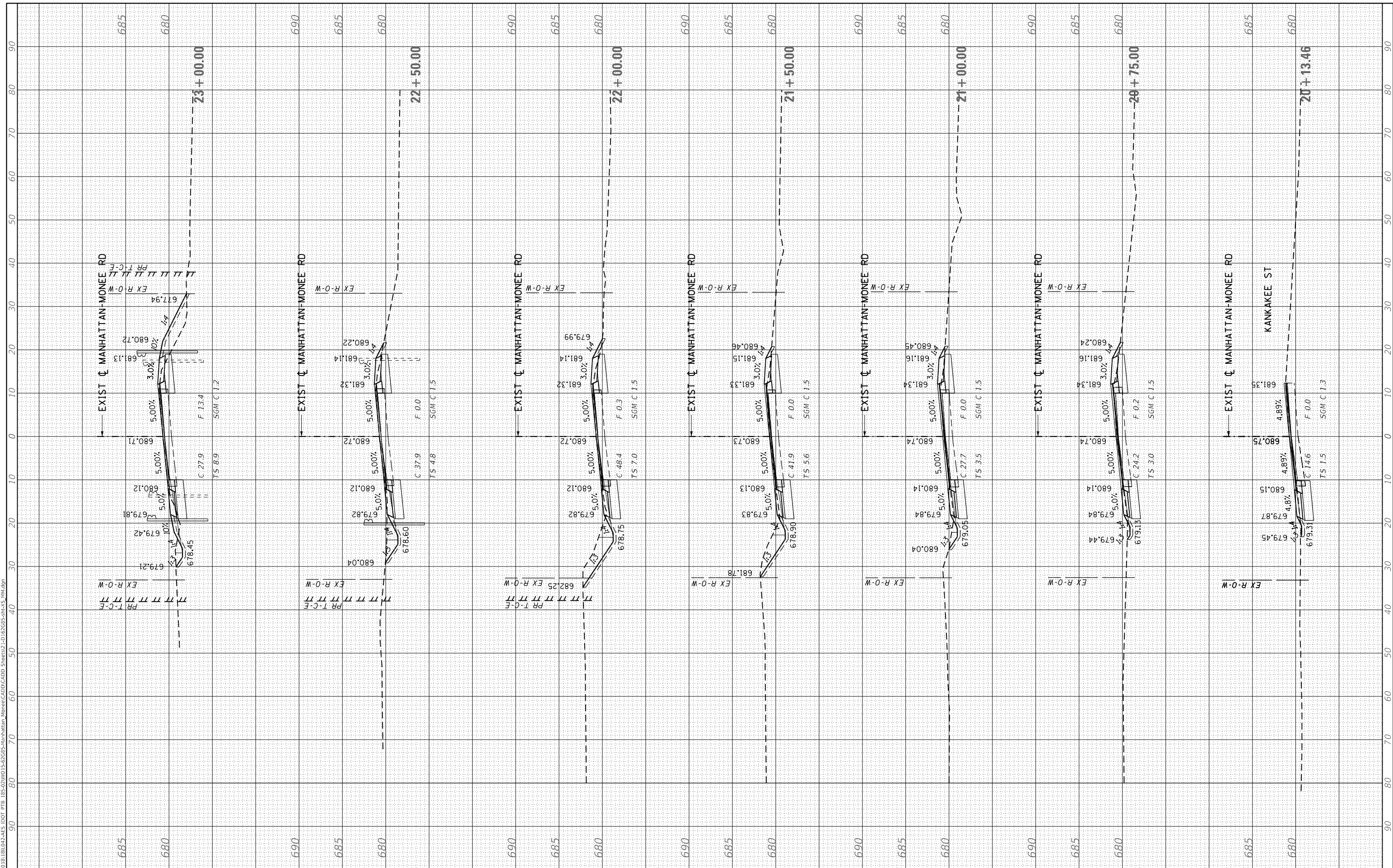
SCALE: SHEET OF SHEETS STA. 17+50.00 TO STA. 19+48.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	67
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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DESIGNED	- MO
DRAWN	- RG
CHECKED	- JA
DATE	- 9/11/19
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 1/24/2020

DESIGNED	- MO
DRAWN	- RG
CHECKED	- JA
DATE	- 9/11/19

REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - MANHATTAN-MONEE ROAD

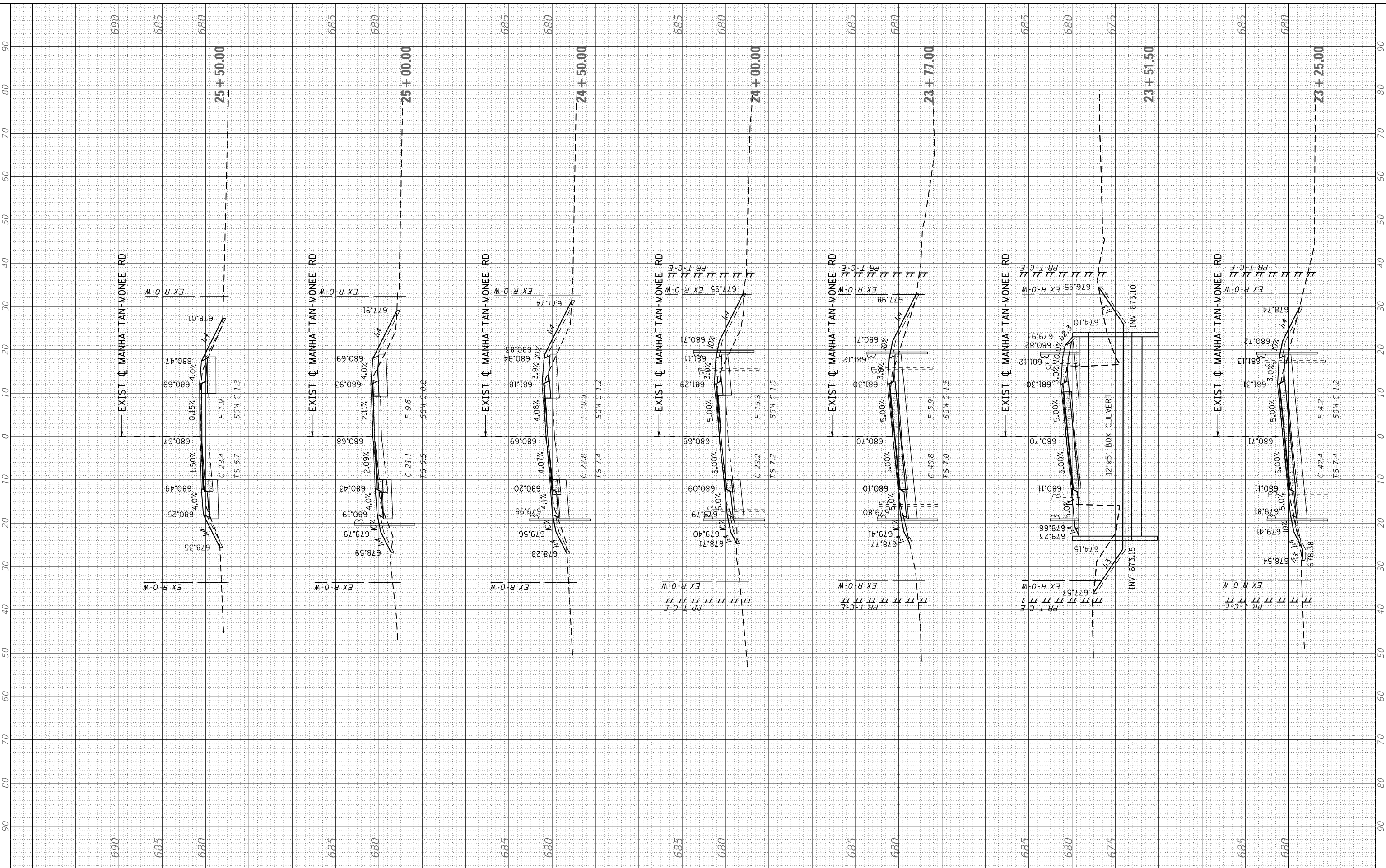
SCALE: SHEET OF SHEETS STA. 20+13.46 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	68
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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	DRAWN - RG	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JA	REVISED -
PLOT DATE = 1/24/2020	DATE - 9/11/19	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - MANHATTAN-MONEE ROAD

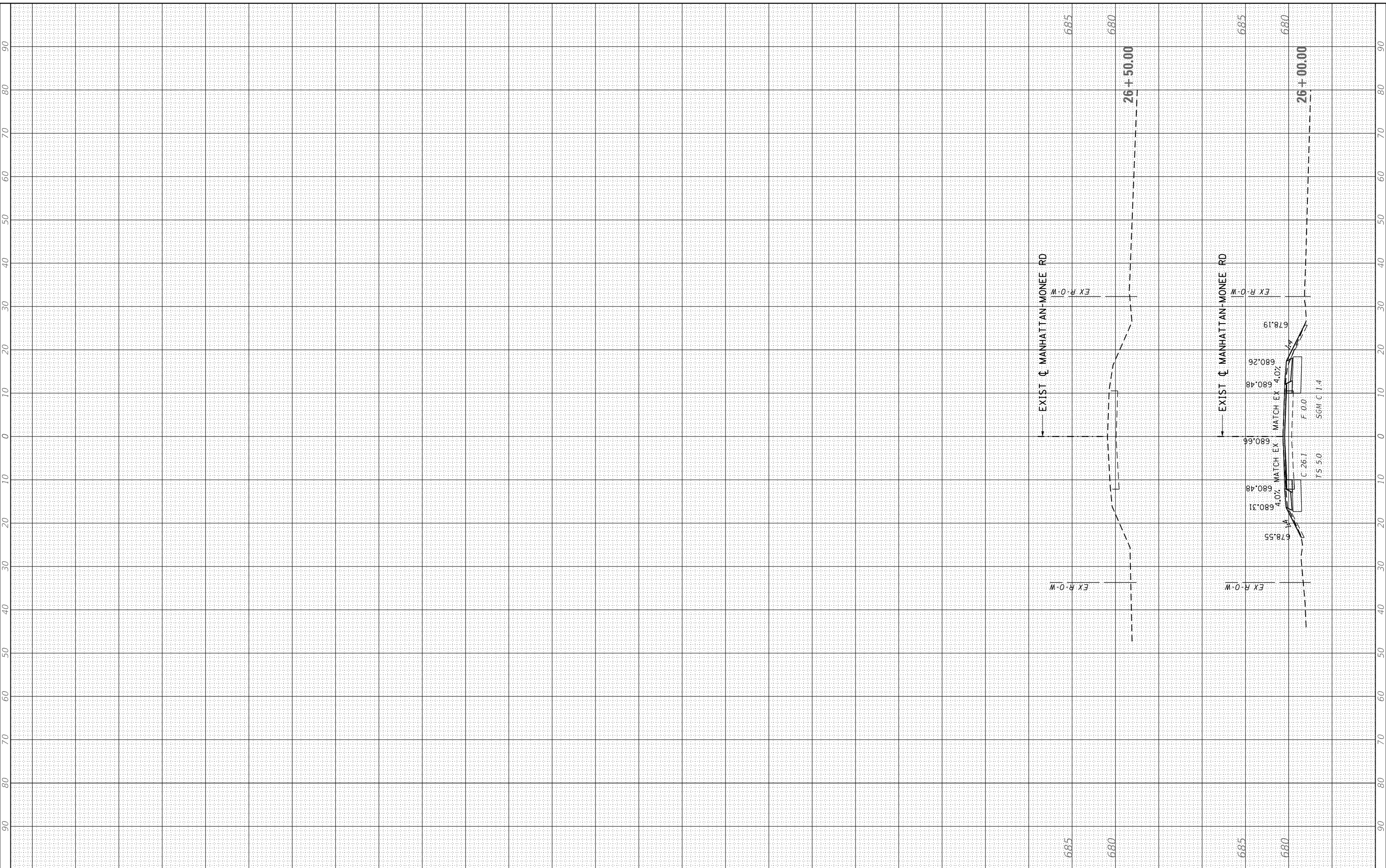
SCALE: SHEET OF SHEETS STA. 23+25.00 TO STA. 25+50.00

F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 69
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

MODEL: Defn.rvt
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USER NAME =	mokrent
PLOT SCALE =	20.0000 ' / in.
PLOT DATE =	1/24/2020

DESIGNED -	MO
DRAWN -	RG
CHECKED -	JA
DATE -	9/11/19

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS - MANHATTAN-MONEE ROAD

SCALE: SHEET OF SHEETS STA. 26+00.00 TO STA. 26+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	70
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defnair
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QUIGG ENGINEERING INC

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DRAWN -	RG
CHECKED -	JA
DATE -	9/11/19
PLOT SCALE =	20.0000' / in.
PLOT DATE =	1/24/2020

DESIGNED -	MO
DRAWN -	RG
CHECKED -	JA
DATE -	9/11/19

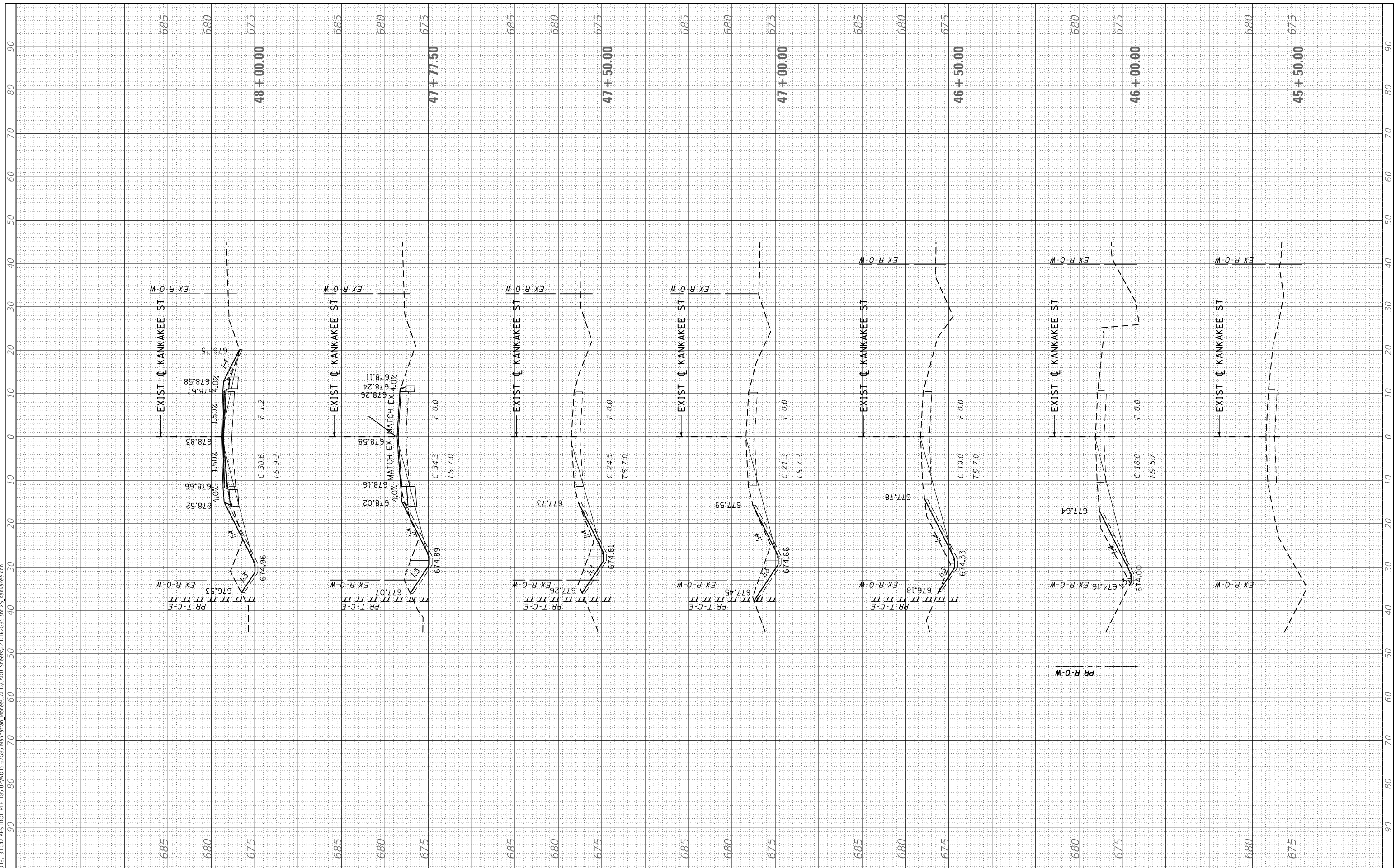
REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - KANKAKEE STREET

SCALE: SHEET OF SHEETS STA. 45+50.00 TO STA. 48+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	71
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



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

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

MODEL: Defnair
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QUIGG ENGINEERING INC

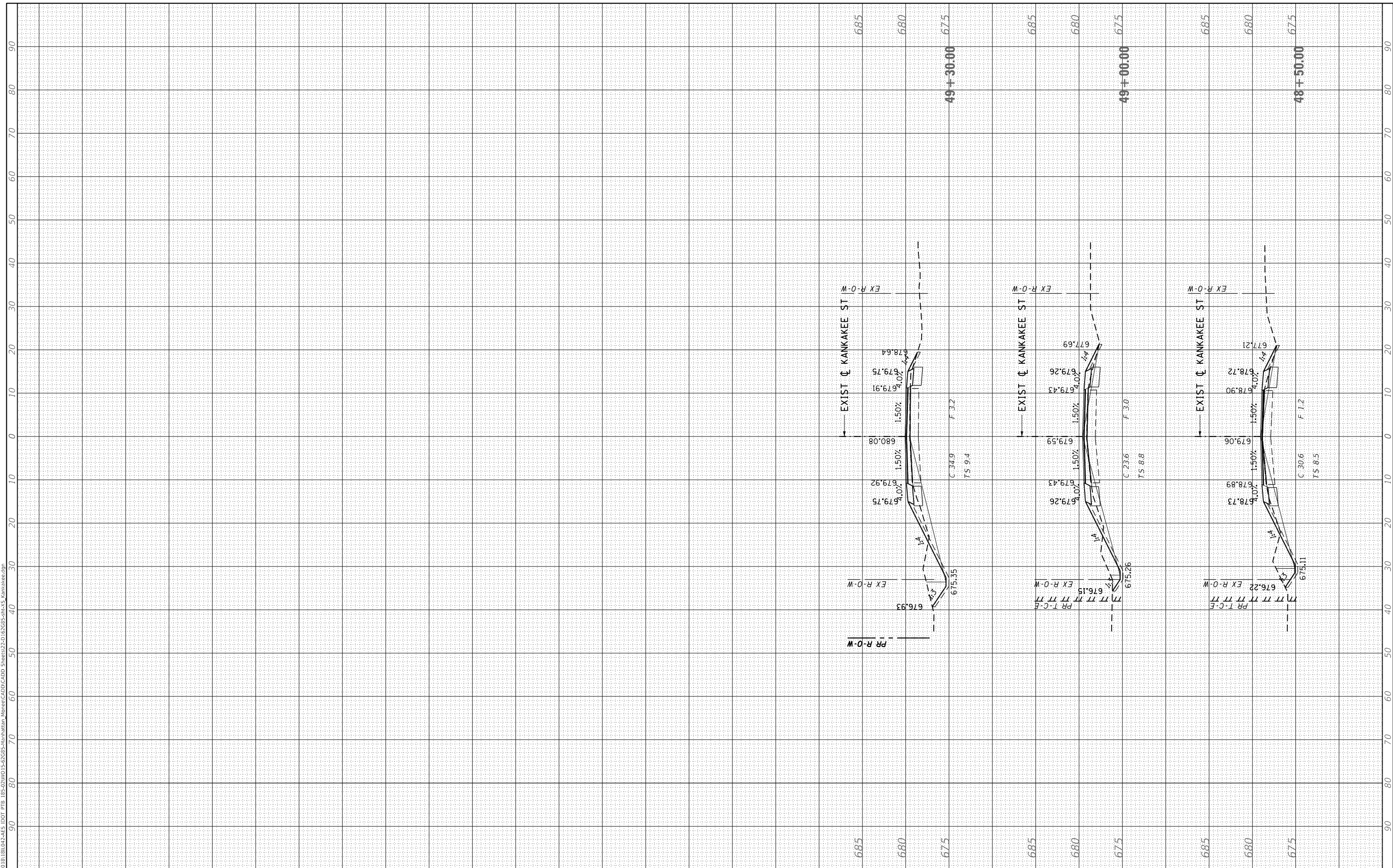
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	DATE - 9/11/19	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - KANKAKEE STREET

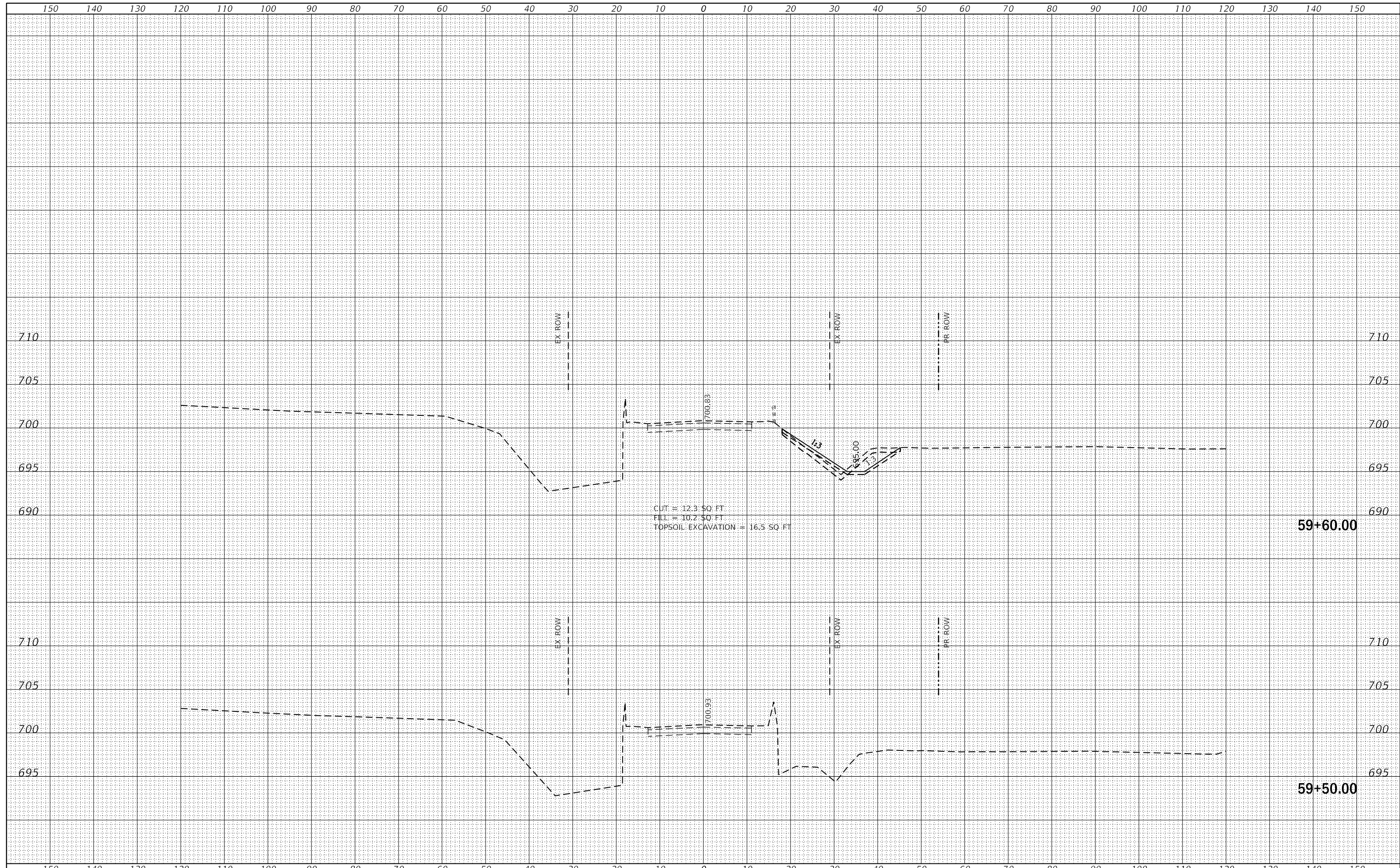
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F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 72
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



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

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



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS-I
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**



USER NAME = johnn	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09-12-2019	REVISED -

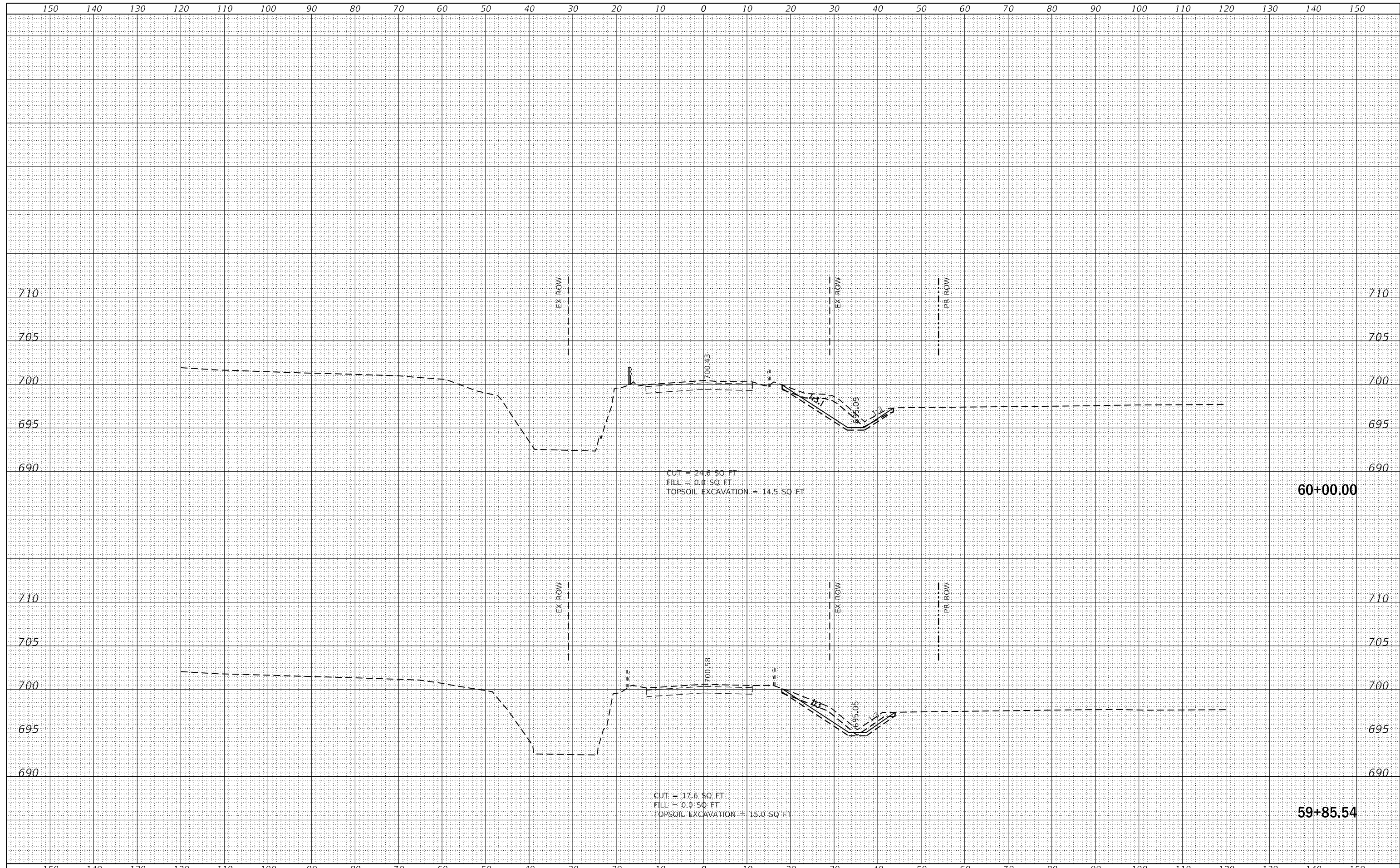
SCALE:	SHEET 1 OF 15 SHEETS	STA. 59+50.00 TO STA. 59+60.00
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F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 73
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				

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

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



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USER NAME = johnn	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09-12-2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

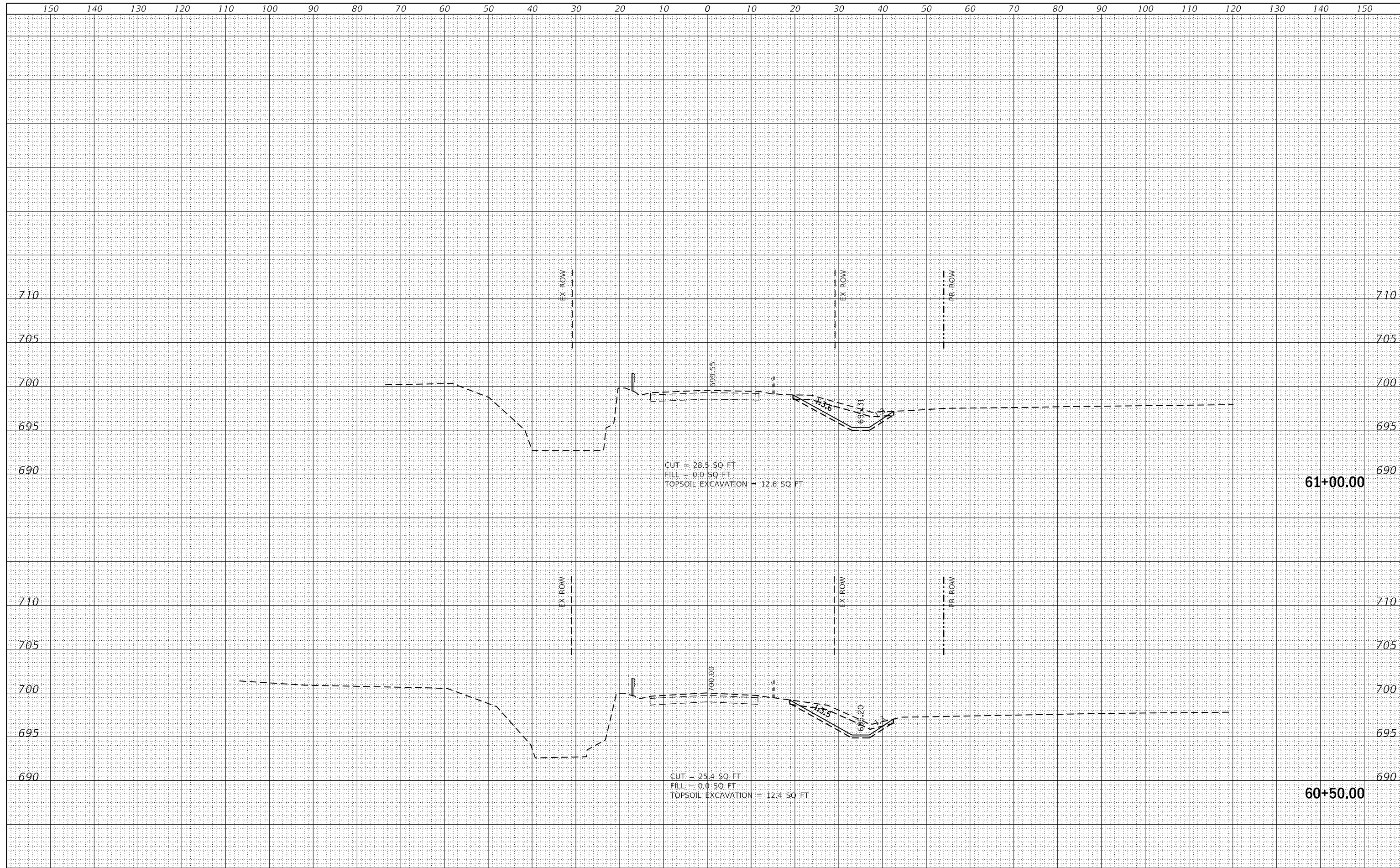
CROSS SECTIONS-II
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)

SCALE: SHEET 2 OF 15 SHEETS STA. 59+85.54 TO STA. 60+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	74
				CONTRACT NO. 62G85
				ILLINOIS FED. AID PROJECT

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

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



MODEL: Default
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

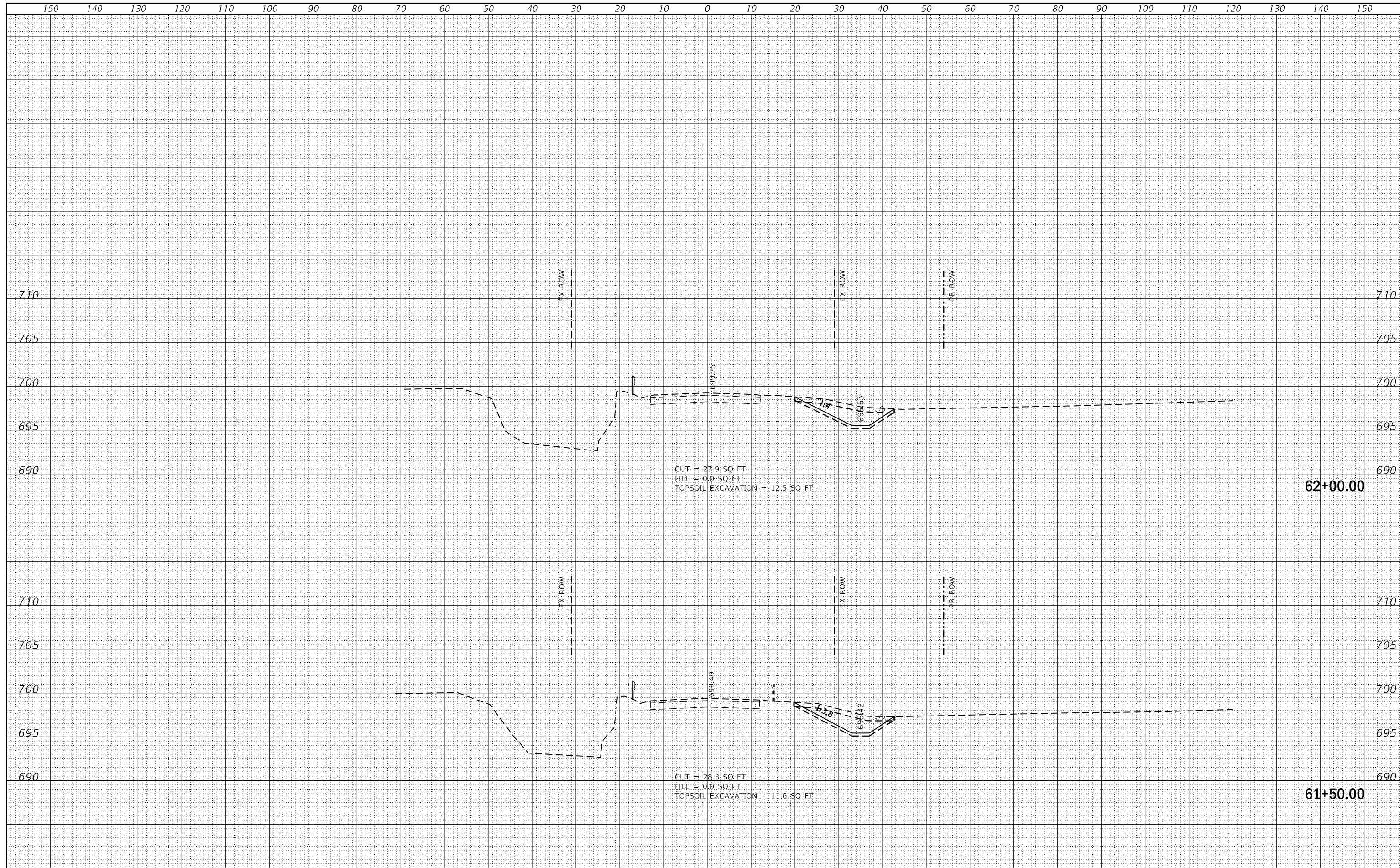
**CROSS SECTIONS-III
 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET 3 OF 15 SHEETS STA. 60+50.00 TO STA. 61+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	75
				CONTRACT NO. 62G85
				ILLINOIS FED. AID PROJECT

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

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



MODEL: Default
FILE NAME:



USER NAME = johnn	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09-12-2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

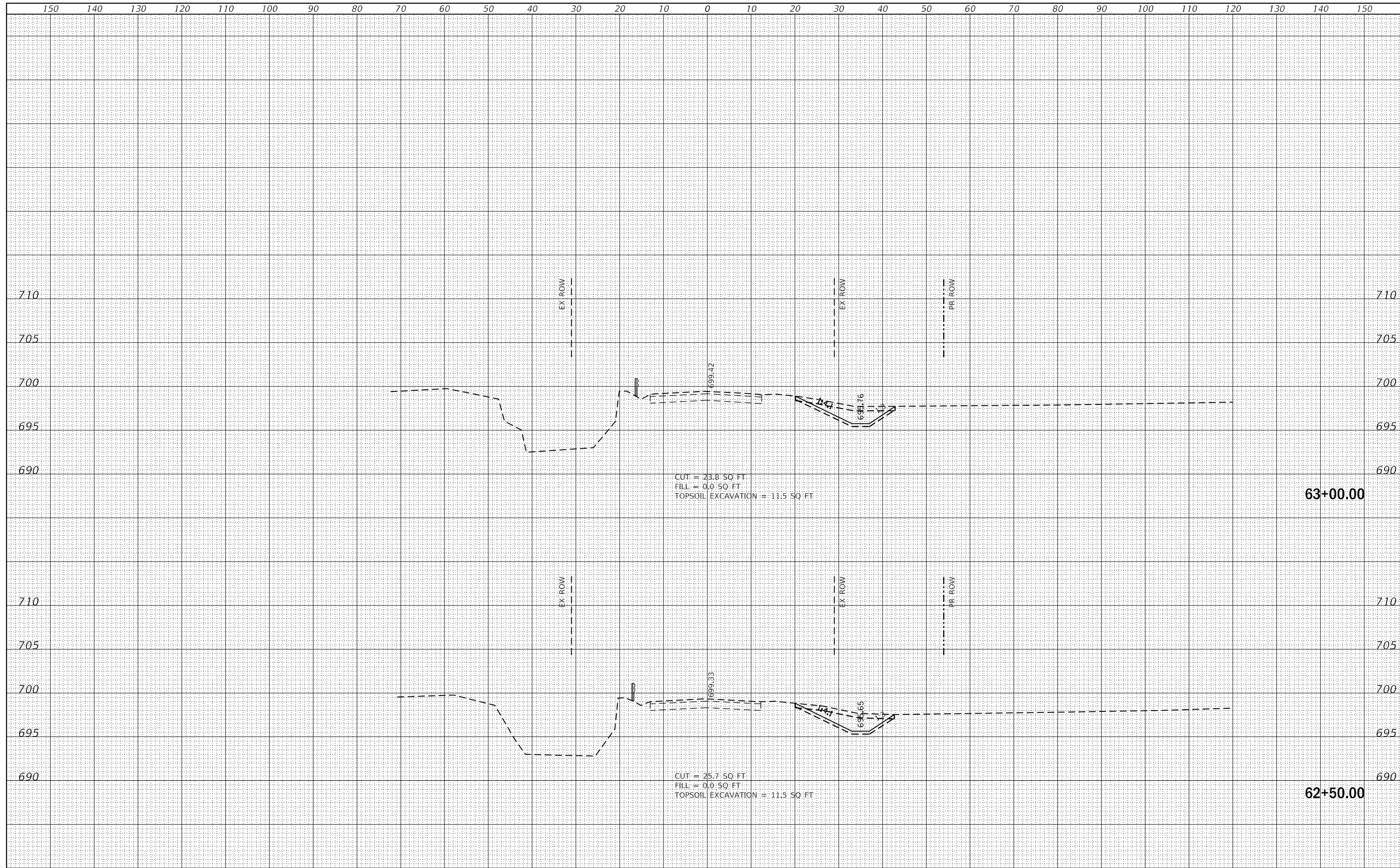
**CROSS SECTIONS-IV
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET 4 OF 15 SHEETS STA. 61+50.00 TO STA. 62+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	76
				CONTRACT NO. 62G85
ILLINOIS FED. AID PROJECT				

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

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



CUT = 23.8 SQ. FT.
 FILL = 0.0 SQ. FT.
 TOPSOIL EXCAVATION = 11.5 SQ. FT.

CUT = 25.7 SQ. FT.
 FILL = 0.0 SQ. FT.
 TOPSOIL EXCAVATION = 11.5 SQ. FT.



USER NAME = johnn	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09-12-2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

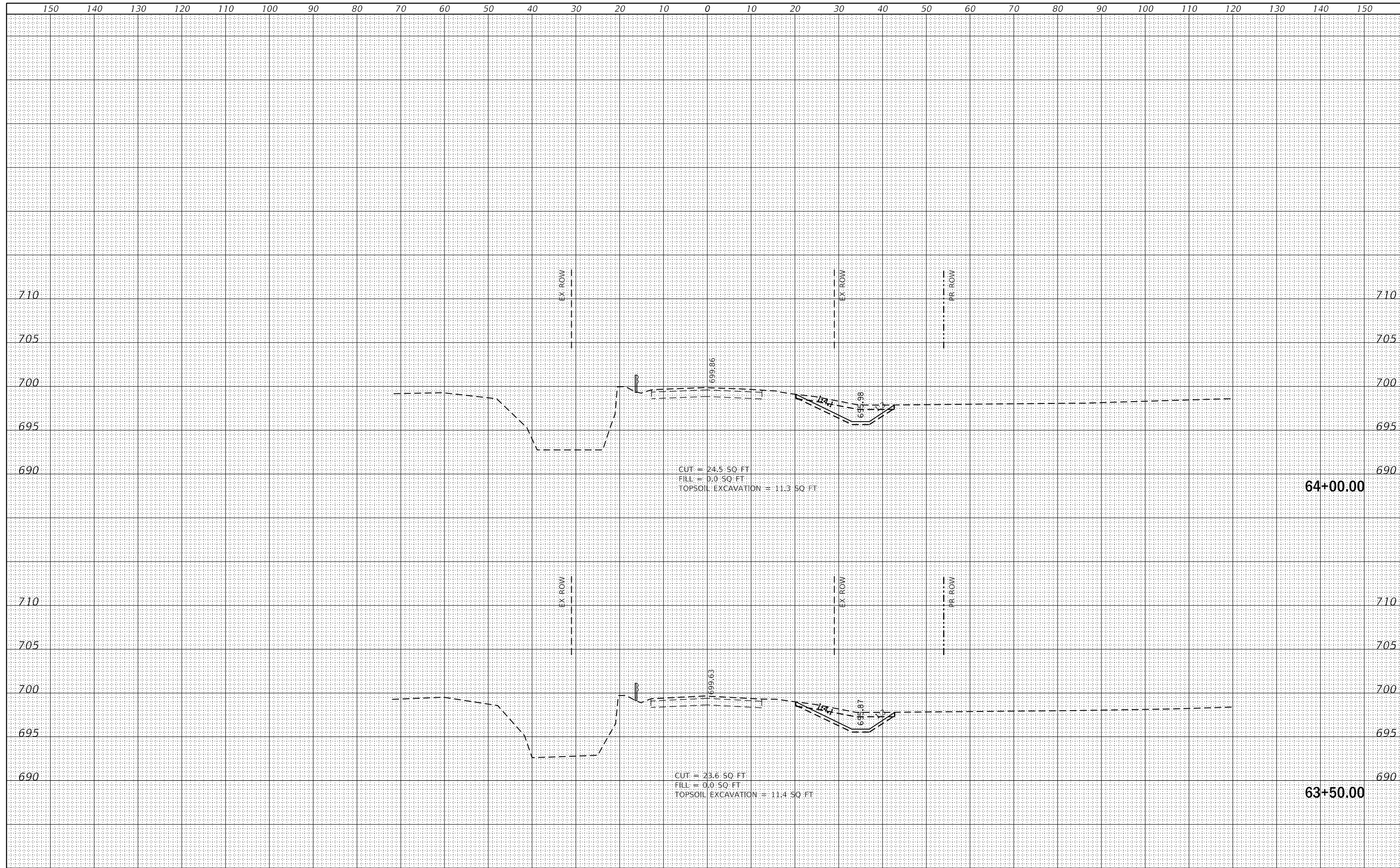
**CROSS SECTIONS-V
 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET 5 OF 15 SHEETS STA. 62+50.00 TO STA. 63+00.00

F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 77
			CONTRACT NO. 62G85	
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Default
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USER NAME = johnn	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09-12-2019	REVISED -

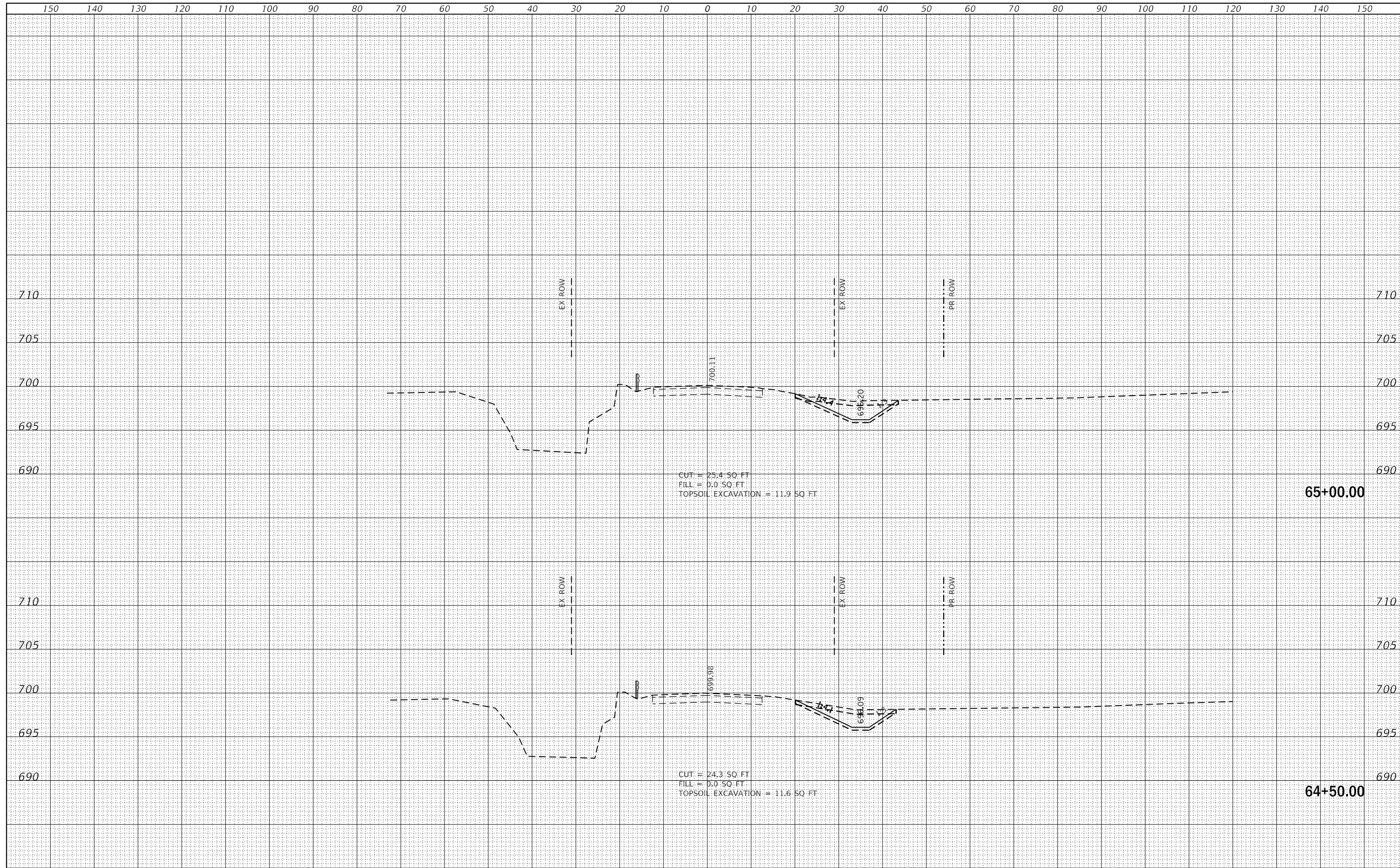
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS-VI	
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)	
SCALE:	SHEET 6 OF 15 SHEETS
STA. 63+50.00	TO STA. 64+00.00

F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 78
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62G85	

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

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



MODEL: Default
FILE NAME:



USER NAME = johnn	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09-12-2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

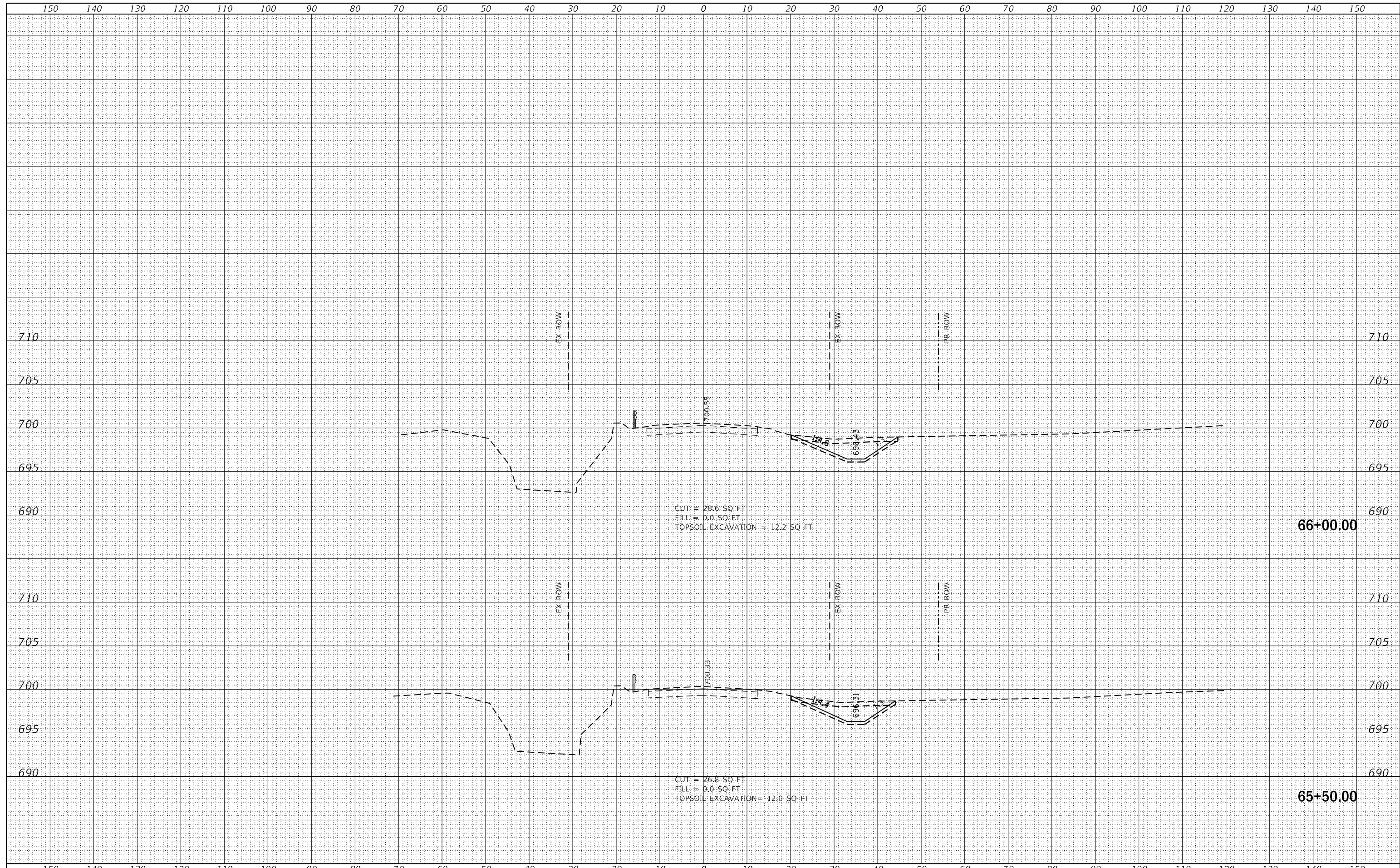
**CROSS SECTIONS-VII
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET 7 OF 15 SHEETS STA. 64+50.00 TO STA. 65+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	79
				CONTRACT NO. 62G85
ILLINOIS FED. AID PROJECT				

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

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



MODEL: Default
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USER NAME = johnn	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09-12-2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

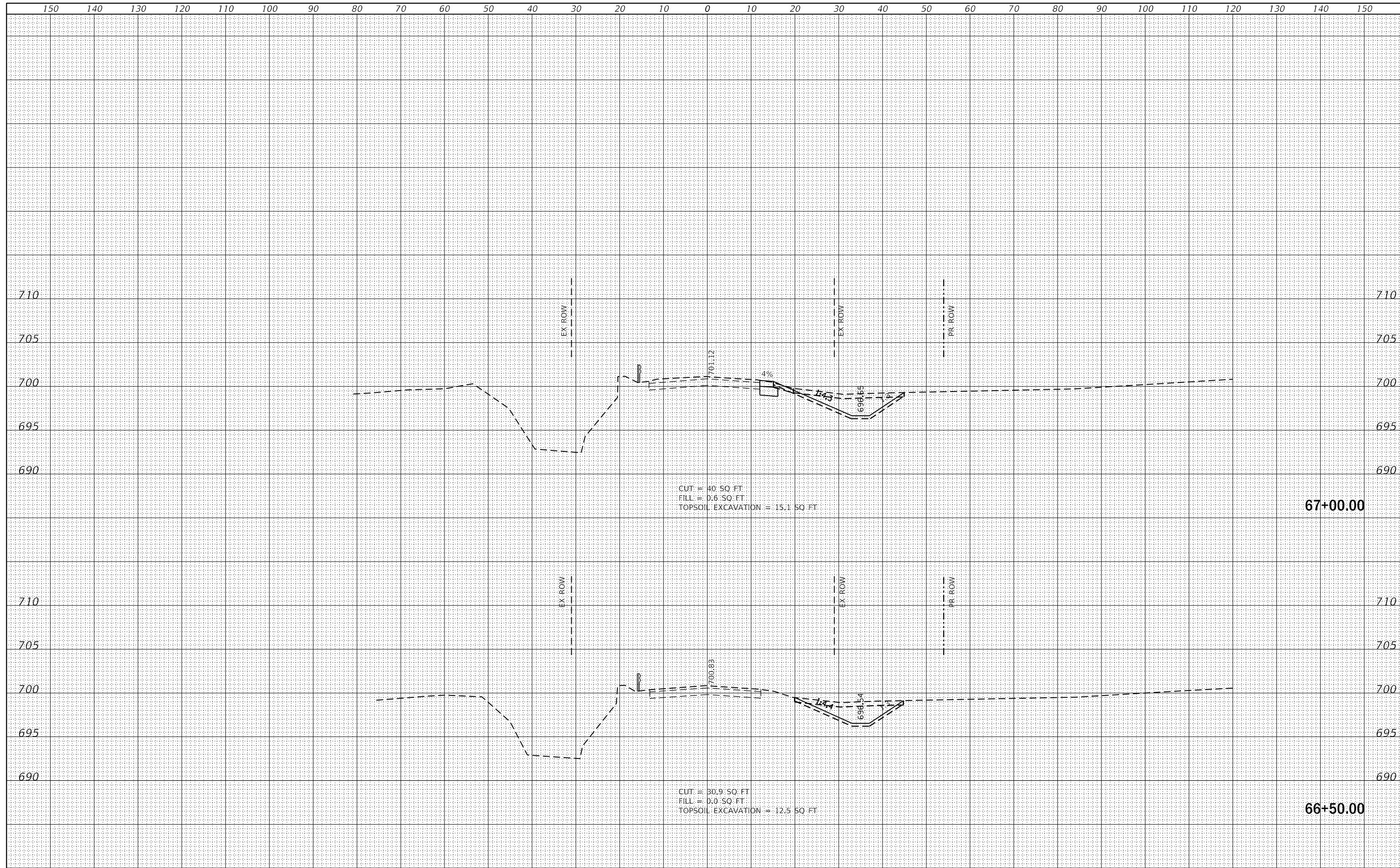
**CROSS SECTIONS-VIII
 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET 8 OF 15 SHEETS STA. 65+50.00 TO STA. 66+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	80
				CONTRACT NO. 62G85
ILLINOIS FED. AID PROJECT				

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

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



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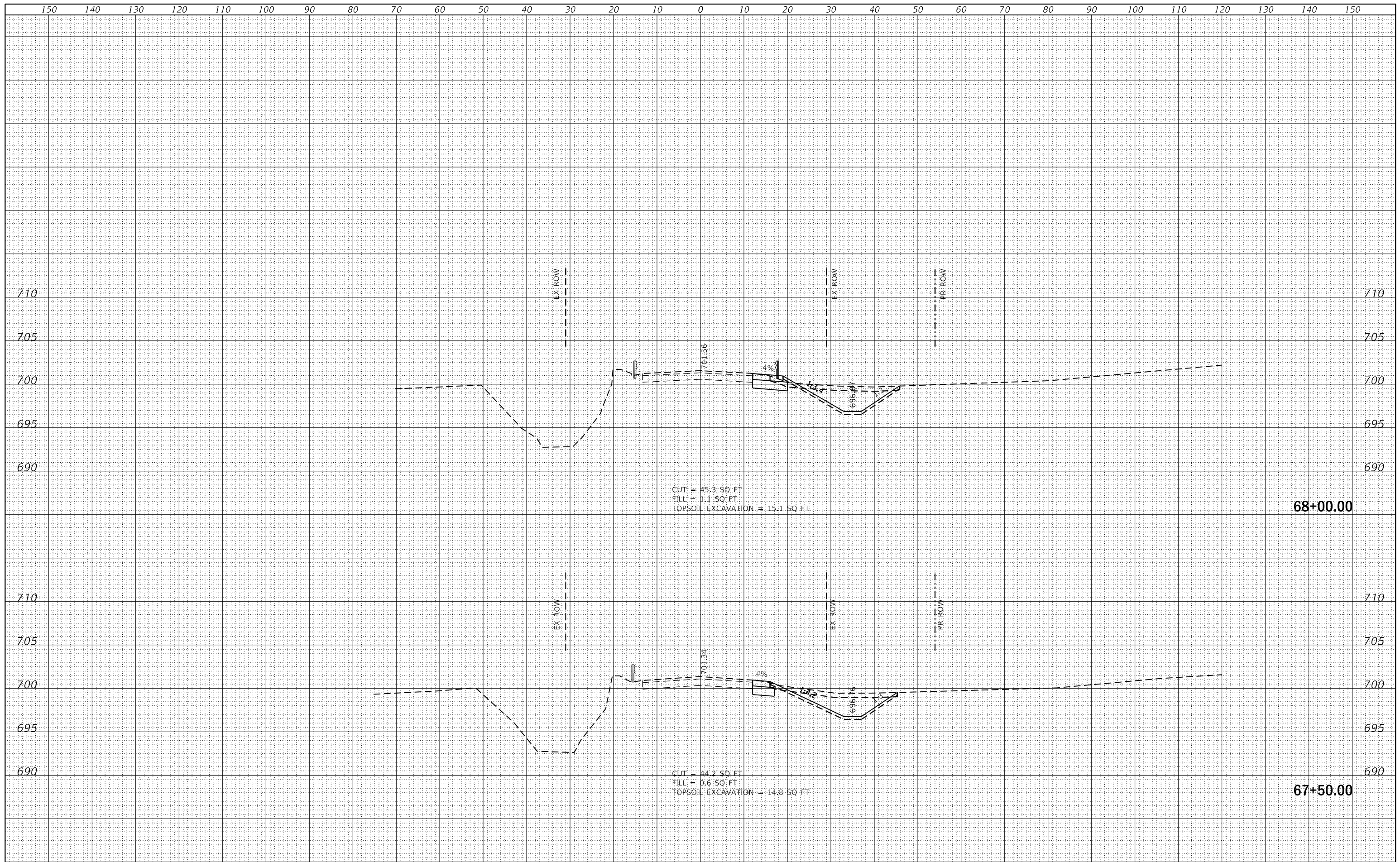
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PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09-12-2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS-IX
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET 9 OF 15 SHEETS STA. 66+50.00 TO STA. 67+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	81
				CONTRACT NO. 62G85
				ILLINOIS FED. AID PROJECT



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

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

MODEL Default
FILE NAME:



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	DRAWN - JN	REVISED -
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PLOT DATE = 1/24/2020	DATE - 09-12-2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

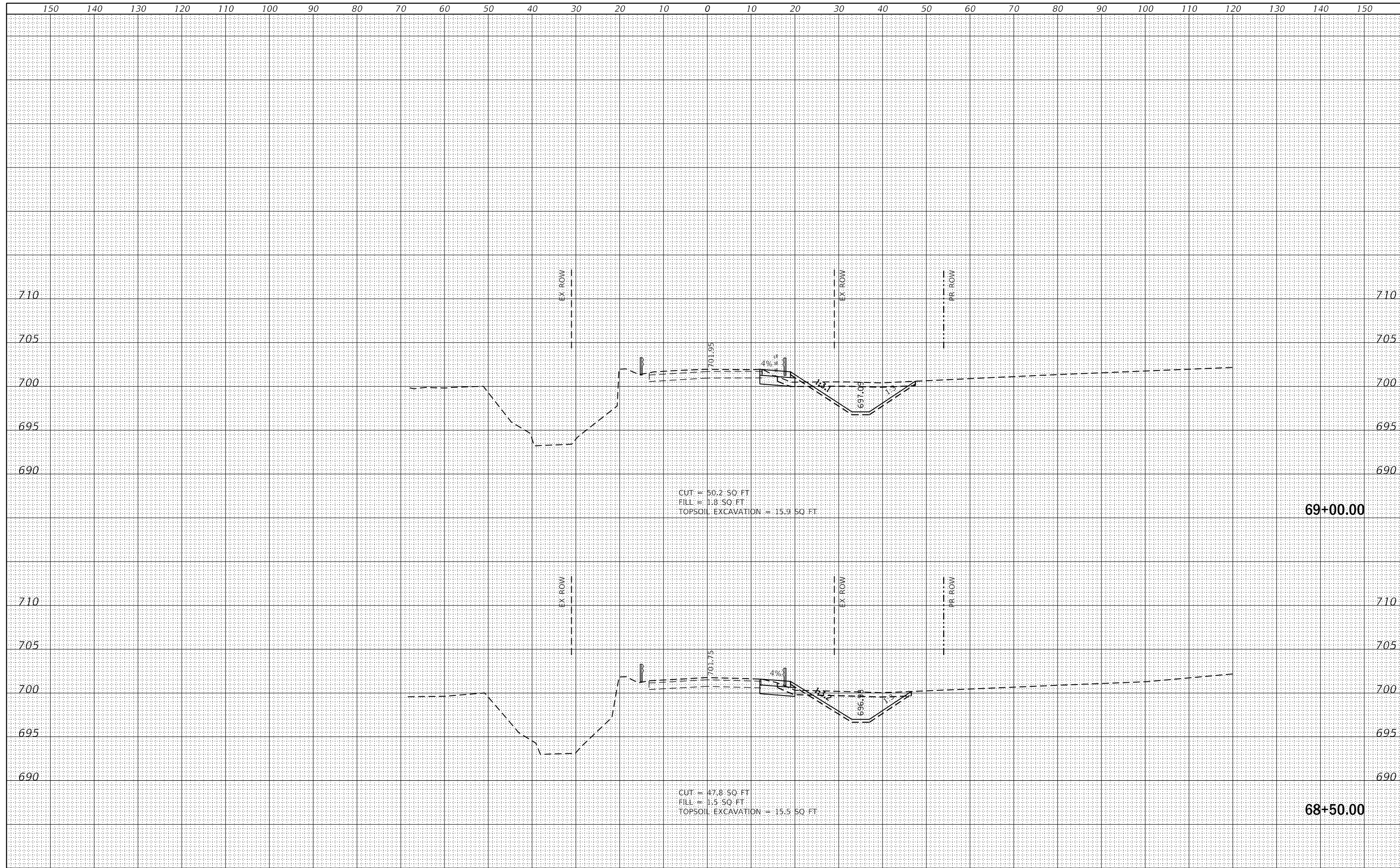
CROSS SECTIONS-X
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)

SCALE: SHEET 10 OF 15 SHEETS STA. 67+50.00 TO STA. 68+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	82
			CONTRACT NO. 62G85	
			ILLINOIS FED. AID PROJECT	

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

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



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS-XI
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

USER NAME = johnn	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09-12-2019	REVISED -

SCALE:	SHEET 11 OF 15 SHEETS	STA. 68+50.00 TO STA. 69+00.00
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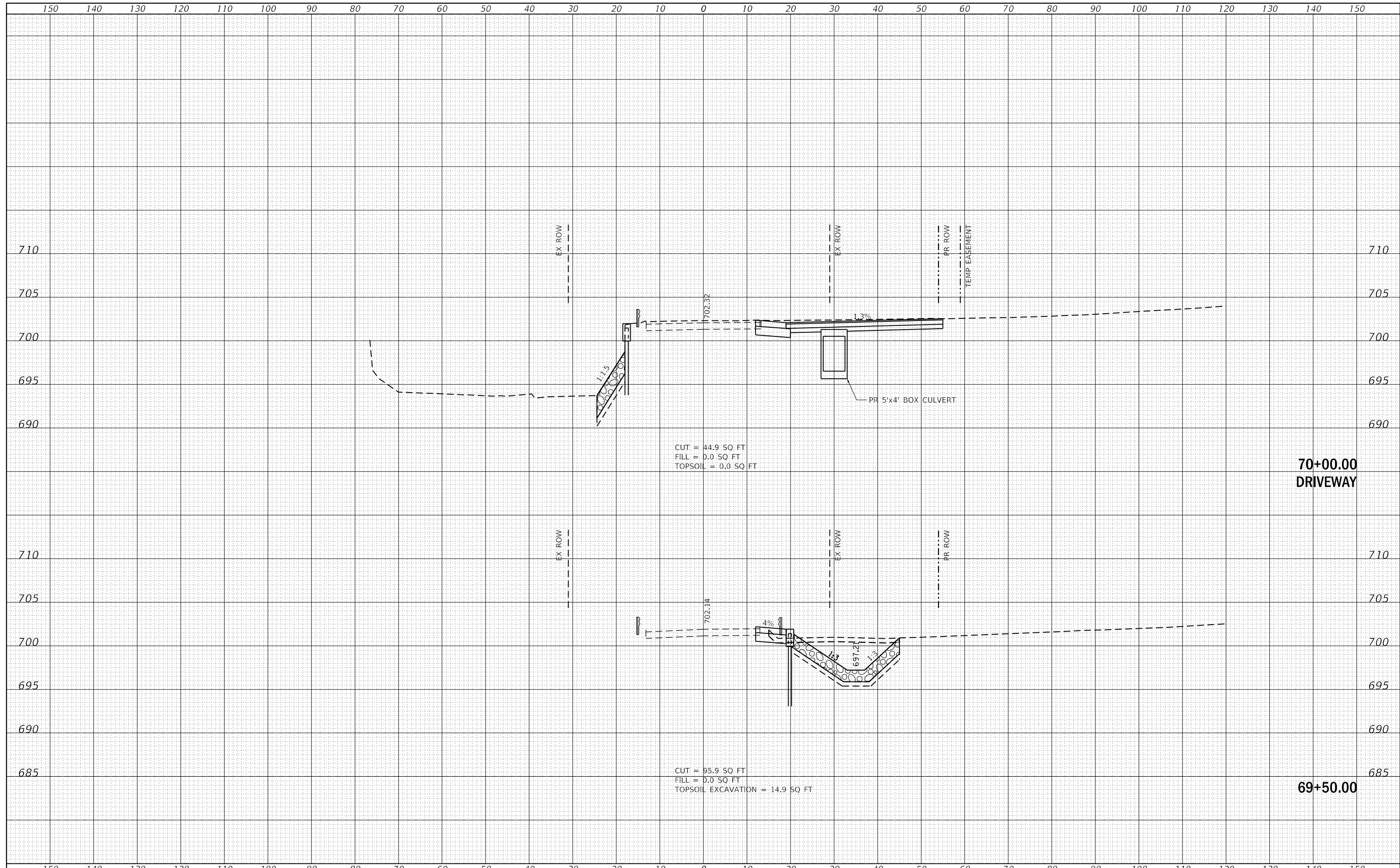
F.A.P. RTE. 531	SECTION 2018-063-CR&D	COUNTY WILL	TOTAL SHEETS 87	SHEET NO. 83
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				



MODEL: Default
FILE NAME: 1

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

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



CUT = 44.9 SQ FT
 FILL = 0.0 SQ FT
 TOPSOIL = 0.0 SQ FT

CUT = 95.9 SQ FT
 FILL = 0.0 SQ FT
 TOPSOIL EXCAVATION = 14.9 SQ FT

70+00.00
 DRIVEWAY

69+50.00



USER NAME = johnn	DESIGNED - JN	REVISED -
	DRAWN - JN	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09-12-2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS-XII
 MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)

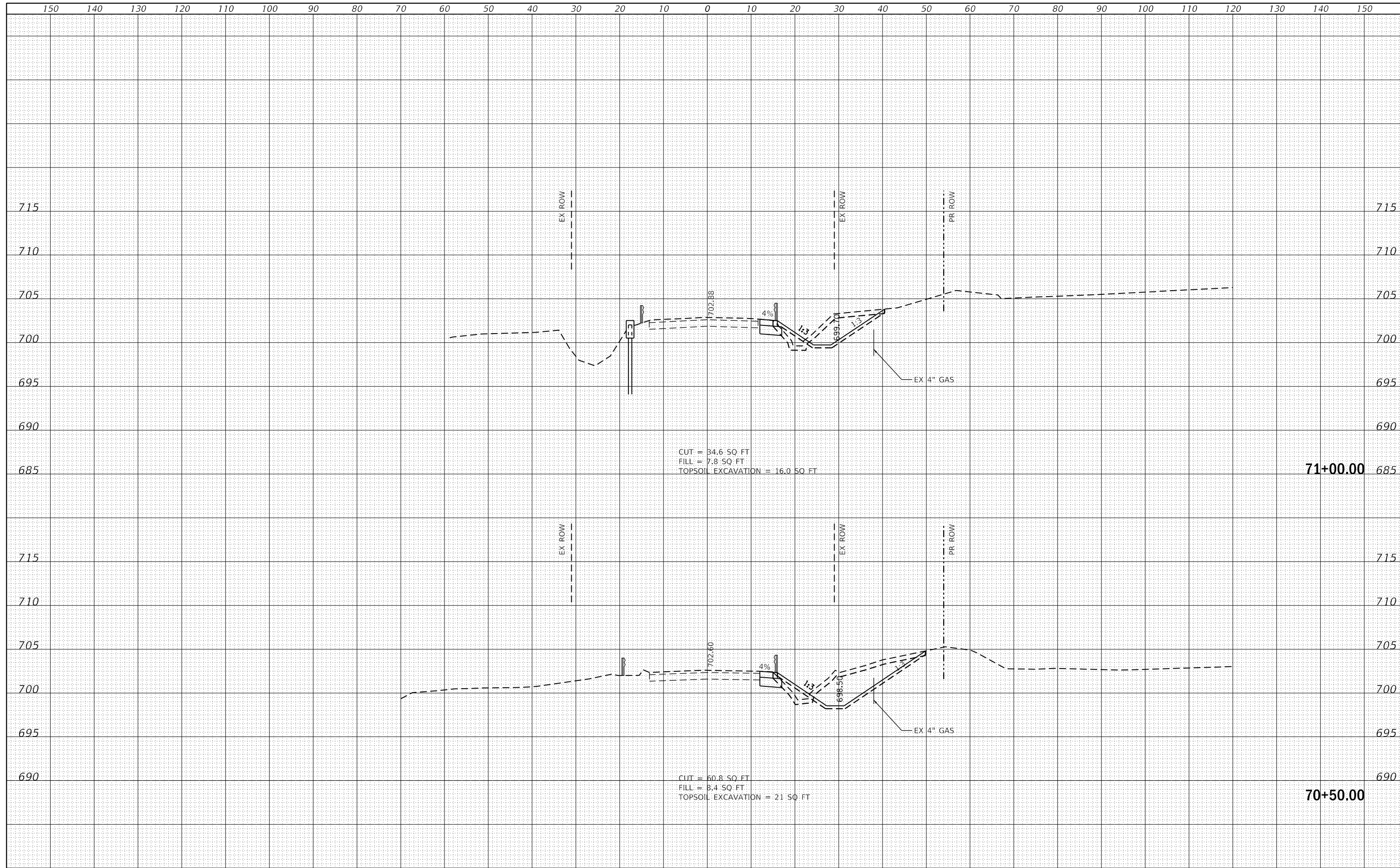
SCALE: SHEET 12 OF 15 SHEETS STA. 69+50.00 TO STA. 70+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	84
				CONTRACT NO. 62G85
				ILLINOIS FED. AID PROJECT

MODEL Default
 FILE NAME:

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



MODEL: Default
 FILE NAME:



USER NAME = jnhn	DESIGNED - JN	REVISED -
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PLOT SCALE = 20.0000 ' / in.	CHECKED - TGM	REVISED -
PLOT DATE = 1/24/2020	DATE - 09-12-2019	REVISED -

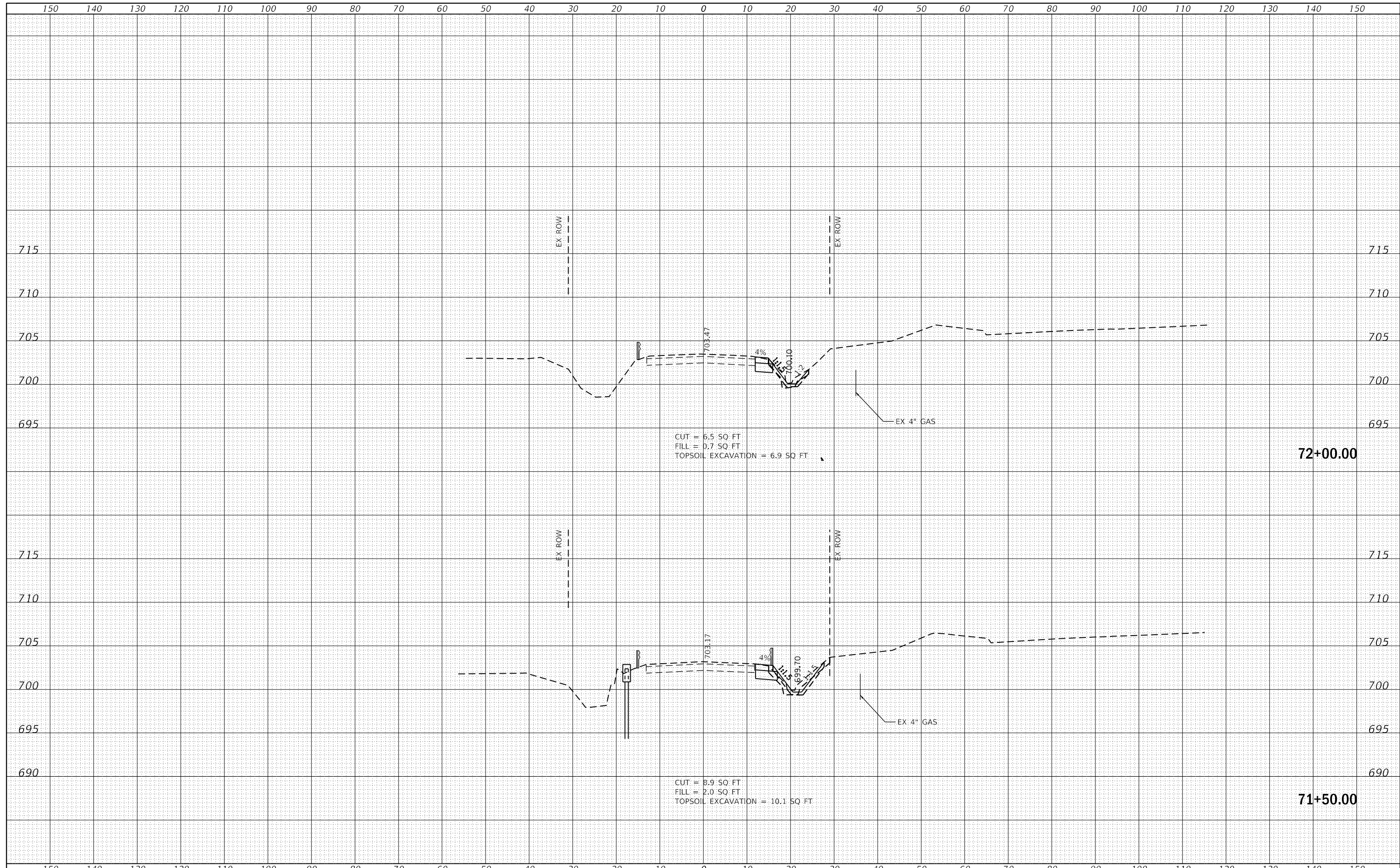
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS-XIII	
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)	
SCALE:	SHEET 13 OF 15 SHEETS
	STA. 70+50.00 TO STA. 71+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	85
				CONTRACT NO. 62G85
				ILLINOIS FED. AID PROJECT

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

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

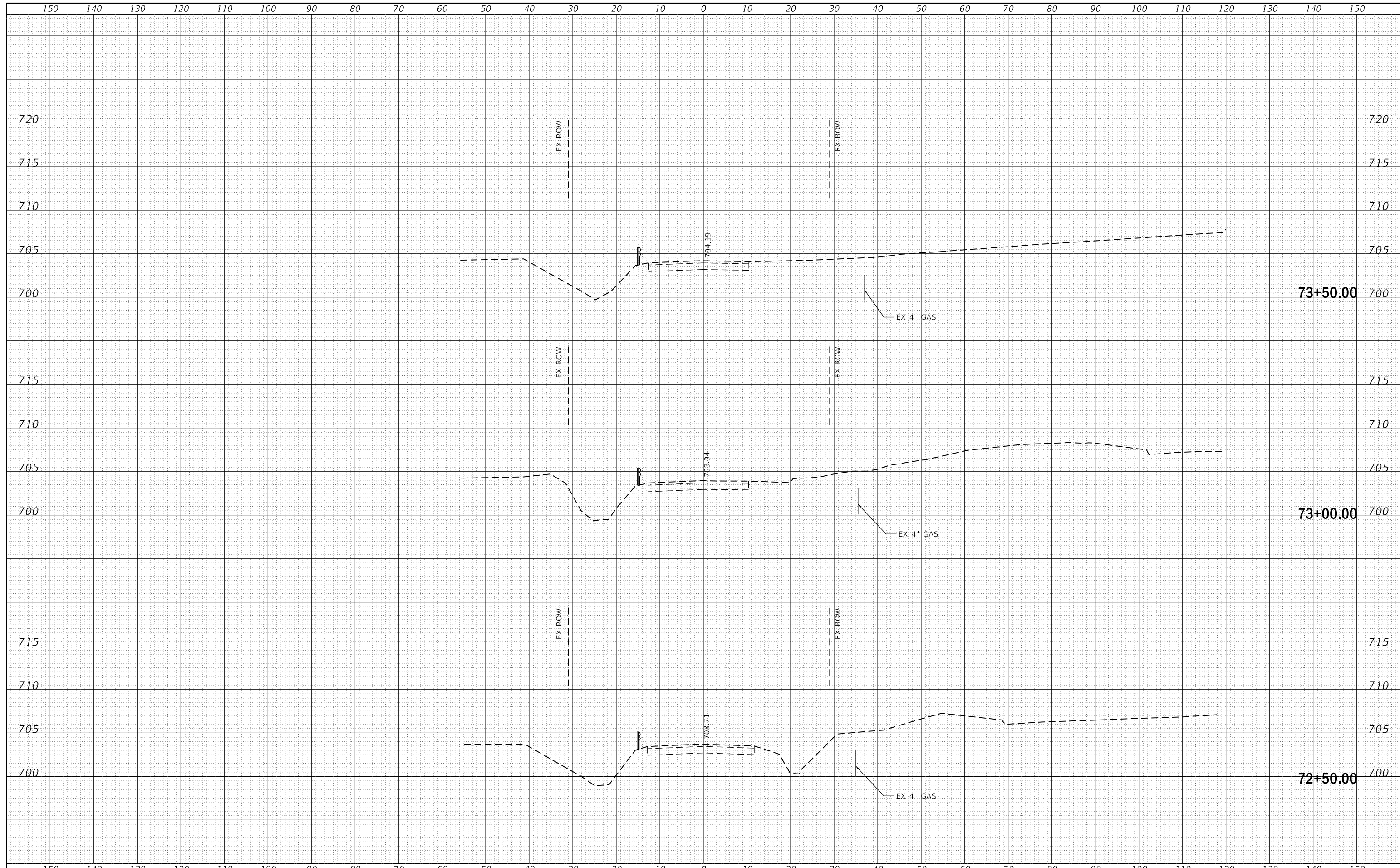


CUT = 6.5 SQ FT
 FILL = 0.7 SQ FT
 TOPSOIL EXCAVATION = 6.9 SQ FT

CUT = 8.9 SQ FT
 FILL = 2.0 SQ FT
 TOPSOIL EXCAVATION = 10.1 SQ FT

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

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



MODEL: Default
FILE NAME:



USER NAME = johnn	DESIGNED - JN	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - JN	REVISED -
PLOT DATE = 1/24/2020	CHECKED - TGM	REVISED -
	DATE - 09-12-2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS-XV
MANHATTAN-MONEE ROAD OVER DITCH (W. OF US 45)**

SCALE: SHEET 15 OF 15 SHEETS STA. 72+50.00 TO STA. 73+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	2018-063-CR&D	WILL	87	87
CONTRACT NO. 62G85				
ILLINOIS FED. AID PROJECT				