

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE DOWNERS GROVE TOWNSHIP

TRAFFIC DATA:

INTERSTATE 55
2021 ADT = 136,500

DESIGN CLASSIFICATION = INTERSTATE

DESIGN SPEED = 60 MPH (ASSUMED)

POSTED SPEED = 55 MPH

I-55 NORTH FRONTAGE ROAD
2012 ADT = 3,000

DESIGN CLASSIFICATION = LOCAL ROAD

DESIGN SPEED = 40 MPH (ASSUMED)

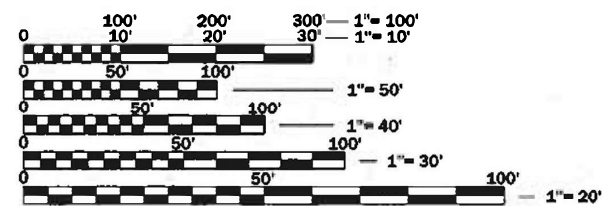
POSTED SPEED = 35 MPH/40 MPH

I-55 SOUTH FRONTAGE ROAD
2012 ADT = 625

DESIGN CLASSIFICATION = LOCAL ROAD

DESIGN SPEED = 40 MPH (ASSUMED)

POSTED SPEED = 35 MPH



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

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

PROJECT ENGINEER: PRAVEEN KAINI, PE. (847-705-4237)
PROJECT MANAGER: J. ALAIN MIDY, PE. (847-221-3056)

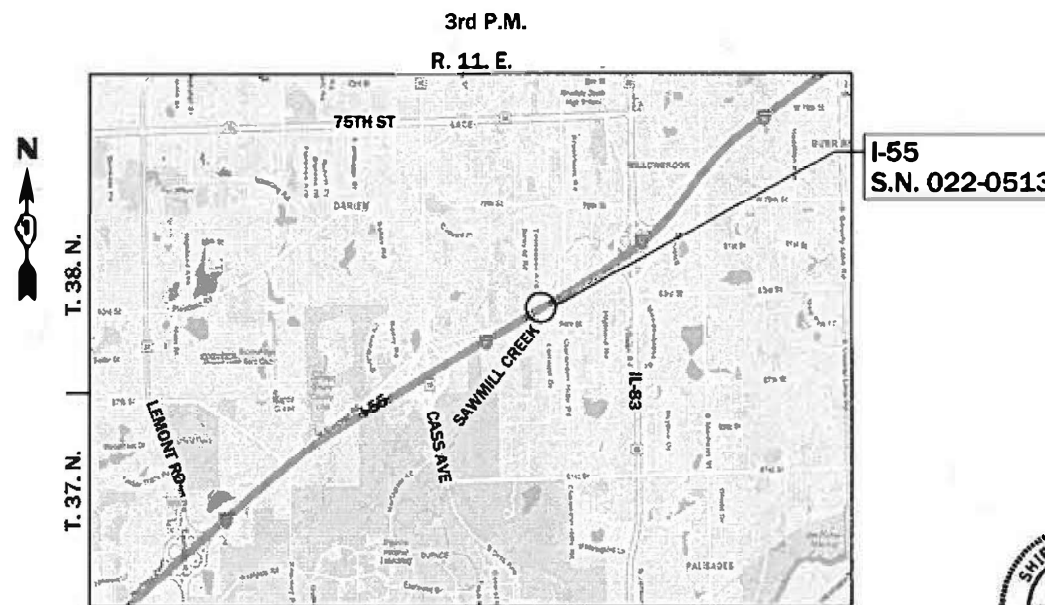
CONTRACT NO. 62P06

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAI ROUTE 55 (I-55)
(0.9 MILES E. OF CASS AVENUE)
SECTION 2021-068-CR
CULVERT REPAIR
DUPAGE COUNTY

C-91-195-21



DOWNERS GROVE TOWNSHIP

LOCATION MAP

NOT TO SCALE

GROSS LENGTH = 1157 FT. = 0.22 MILES
NET LENGTH = 283 FT. = 0.05 MILES



[Signature]
Shiraz Tarique Date
Illinois Registered Engineer No. 062-064219
Registration Expires Nov. 30, 2025

1/25/2024

F.A.I. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	1
		ILLINOIS	CONTRACT NO. 62P06	

D-91-159-21



LOCATION OF SECTION INDICATED THIS: - [Black Rectangle]

Lin Engineering, Ltd.
Consulting Engineers
Westmont, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 29, 2024
Jessie Rios IR REGIONAL ENGINEER
March 22, 2024 [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
March 22, 2024 [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
001001-02	AREAS OF REINFORCEMENT BARS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 84" (2100 MM) DIAMETER
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTIONS
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
542546-01	FLUSH INLET BOX FOR MEDIAN
630001-13	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
665001-02	WOVEN WIRE FENCE
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 17-4	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYP. APP. OF T.C.D. FOR RURAL LOC. HWYS. (2-LANE 2-WAY RURAL TRAFF.)(RD. CLOSED TO THRU TRAFFIC)
BLR 23-4	TRAFFIC BARRIER TERMINAL TYPE 1

DISTRICT STANDARDS

BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-17	TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THEN GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES ARE IN THE AREA. 48 HOUR NOTIFICATION IS REQUIRED.

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

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

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES AND THE VILLAGES OF WILLOWBROOK AND DARIEN.

THE CONTRACTOR SHALL USE CARE NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.

TWO WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT ERIC CAMPOS THE AREA TRAFFIC FIELD ENGINEER, AT ERIC.CAMPOS@ILLINOIS.GOV.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULL LOADED TANDEM AXLE TRUCK.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKDAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

PERMANENT PAVEMENT MARKINGS SHALL BE AS SPECIFIED IN THE PLANS AND SHALL BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAILS. (TC-13, DISTRICT ONE TYPICAL PAVEMENT MARKINGS).

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

THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV AND THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT CARLOS.MUNOZ@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY WORK.

THE STRIPPED TOPSOIL SHALL BE STOCKPILED, SORTED, AND REUSED FOR THE PROPOSED LANDSCAPING IMPROVEMENTS. THE ACTUAL REMOVAL DEPTH AND QUANTITY OF TOPSOIL REMOVAL SHALL BE VERIFIED IN THE FIELD.

THE AGGREGATE GRADATION FOR THE AGGREGATE SUBGRADE IMPROVEMENT 12" LOWER LIFT SHALL BE CS 1 OR RR 1.

ALL EARTH EXCAVATION AND EMBANKMENT NECESSARY TO PERFORM THE REMOVAL OF EXISTING STRUCTURES AND CONSTRUCTION OF PROPOSED CONCRETE BOX CULVERTS WILL NOT BE MEASURED FOR PAYMENT SEPARATELY BUT INSTEAD INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES AND CONCRETE BOX CULVERT PAY ITEMS, WHICH PRICES SHALL INCLUDE ALL NECESSARY LABOR, MATERIAL, EQUIPMENT TO COMPLETE THE WORK. THE EMBANKMENT MATERIAL AND TYPE SHALL BE AS DETERMINED BY THE ENGINEER.

THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO 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 AN 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.

COMMITMENTS

NONE.

HOT- MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)
FRONTAGE ROAD HMA PAVEMENT (FULL-DEPTH) 7½"		
HMA SURFACE COURSE, MIX "D", IL-9.5, N50, 2"	4% @ 50 GYR.	QC/QA
HMA BASE COURSE, IL-19.0, N50, 5½"	4% @ 50 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP)		

MIXTURE TABLE NOTES

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
2. 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 RECLAIMED MATERIALS SPECIFICATIONS.

FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

AGGREGATE SHOULDERS	1.60 TONS/CU YD
SEEDING, CLASS 2	200 LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
MULCH	2 TON/ACRE
SHORT TERM PAVEMENT MARKING	10 FT/100 FT
GRANULAR MATERIAL	2.05 TONS/CU YD

	USER NAME = 14nho	DESIGNED - NH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. 55 AT STREAM GENERAL NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000' / in.	DRAWN - NH	REVISED -			55	2021-068-CR	DUPAGE	41	2
	PLOT DATE = 2/1/2024	CHECKED - ST	REVISED -			CONTRACT NO. 62P06				
		DATE - 2/2024	REVISED -			ILLINOIS	FED. AID PROJECT			
SCALE: N.T.S.					SHEET 1 OF 1 SHEETS		STA. TO STA.			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				SN 022-0513
				0004
				BOX CULVERT
20101700	SUPPLEMENTAL WATERING	UNIT	5	5
20200100	EARTH EXCAVATION	CU YD	90	90
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	125	125
* 25000210	SEEDING, CLASS 2A	ACRE	0.25	0.25
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30	30
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30	30
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30	30
* 25100115	MULCH, METHOD 2	ACRE	0.25	0.25
* 25100630	EROSION CONTROL BLANKET	SQ YD	282	282
* 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	342	342
* 28000305	TEMPORARY DITCH CHECKS	FOOT	46	46
* 28000400	PERIMETER EROSION BARRIER	FOOT	489	489
* 28000500	INLET AND PIPE PROTECTION	EACH	4	4
28100107	STONE RIPRAP, CLASS A4	SQ YD	62	62

* SPECIALTY ITEM



USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR		41	3
			CONTRACT NO. 62P06	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				SN 022-0513
				0004
				BOX CULVERT
28200200	FILTER FABRIC	SQ YD	62	62
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	399	399
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	172	172
40701826	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7 1/4"	SQ YD	381	381
44000100	PAVEMENT REMOVAL	SQ YD	381	381
48101202	AGGREGATE SHOULDERS, TYPE B	CU YD	33	33
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50105220	PIPE CULVERT REMOVAL	FOOT	200	200
50300225	CONCRETE STRUCTURES	CU YD	21.8	21.8
50800105	REINFORCEMENT BARS	POUND	38,330	38,330
52200015	PERMANENT SHEET PILING	SQ FT	3,951	3,951
54003000	CONCRETE BOX CULVERTS	CU YD	148.2	148.2
542C1063	PIPE CULVERTS, CLASS C, TYPE 2, 18"	FOOT	200	200
54213453	END SECTIONS 18"	EACH	2	2

* SPECIALTY ITEM



USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	4
			CONTRACT NO. 62P06	
			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				100% STATE	SN 022-0513
				0004	BOX CULVERT
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	2	2	
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	1,355.0	1,355.0	
* 63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	100.0	100.0	
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2	
63200310	GUARDRAIL REMOVAL	FOOT	496	496	
66500105	WOVEN WIRE FENCE, 4'	FOOT	260	260	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	760	760	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	
67100100	MOBILIZATION	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	90	90	
70307130	TEMPORARY PAVEMENT MARKING - LINE 6"- TYPE IV TAPE	FOOT	310	310	

* SPECIALTY ITEM



USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	5
			CONTRACT NO. 62P06	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				SN 022-0513
				0004
				BOX CULVERT
70400100	TEMPORARY CONCRETE BARRIER	FOOT	437.5	437.5
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	2	2
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	394	394
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	3	3
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	41	41
X2010402	STUMP REMOVAL, ACRES	ACRE	0.25	0.25
* X2300007	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2	2
X5010523	REMOVE CONCRETE END SECTION	EACH	2	2
X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1	1
X5810103	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	221.5	221.5
X6050700	REMOVE INLET BOX	EACH	2	2
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	12	12
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1

* SPECIALTY ITEM



USER NAME = 14nh	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	6
			CONTRACT NO. 62P06	
			ILLINOIS FED. AID PROJECT	

AGGREGATE SUBGRADE IMPROVEMENT 12"

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
563+60.90	564+28.63	RT	175.77
565+66.80	566+43.35	LT	222.28
ROUNDED TOTAL			399

HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7 1/4"

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
563+60.90	564+28.63	RT	168.11
565+66.80	566+43.35	LT	212.88
ROUNDED TOTAL			381

AGGREGATE SHOULDER, TYPE B

FROM STATION	TO STATION	LT/RT	CU YD
560+43.46	564+70.36	RT	17.60
565+29.73	566+57.66	LT	4.17
565+67.60	568+14.02	LT	10.54
ROUNDED TOTAL			33

BITUMINOUS MATERIALS (TACK COAT)

FROM STATION	TO STATION	LT/RT	POUND
563+60.90	564+28.63	RT	75.65
565+66.80	566+43.35	LT	95.80
ROUNDED TOTAL			172

PAVEMENT REMOVAL

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
563+60.90	564+28.63	RT	168.11
565+66.80	566+43.35	LT	212.88
ROUNDED TOTAL			381

PIPE CULVERT, CLASS C, TYPE 2, 18"

FROM STATION	TO STATION	LT/RT	FOOT
563+64.69	564+06.69	RT	42.0
564+23.86	564+83.86	RT	60.0
565+35.38	565+72.73	LT	38.0
565+92.66	566+52.47	LT	60.0
ROUNDED TOTAL			200

END SECTIONS 18"

STATION	LT/RT	EACH
563+64.69	RT	1
564+83.86	RT	1
TOTAL		2

FLUSH INLET BOX FOR MEDIAN, STANDARD 542546

STATION	LT/RT	EACH
565+35.39	RT	1
566+53.20	RT	1
TOTAL		2

PIPE CULVERT REMOVAL

FROM STATION	TO STATION	LT/RT	FOOT
563+64.77	564+07.58	RT	42.0
564+23.86	564+84.10	RT	60.0
565+35.50	565+73.65	LT	38.0
565+91.79	566+52.37	LT	60.0
ROUNDED TOTAL			200

REMOVE CONCRETE END SECTION

STATION	LT/RT	EACH
563+64.77	RT	1
564+84.10	RT	1
TOTAL		2

REMOVE INLET BOX

STATION	LT/RT	EACH
565+35.50	RT	1
566+52.37	RT	1
TOTAL		2

STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS

FROM STATION	TO STATION	LT/RT	FOOT
556+90.85	565+78.31	LT	887.50
560+90.57	563+57.86	RT	267.50
564+08.11	564+57.85	RT	50.00
565+69.28	565+92.21	LT	25.00
566+42.21	567+67.19	LT	125.00
ROUNDED TOTAL			1,355.0

LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN

FROM STATION	TO STATION	LT/RT	FOOT
563+57.86	564+07.85	RT	50.00
565+92.21	566+42.21	LT	50.00
ROUNDED TOTAL			100.0

TRAFFIC BARRIER TERMINAL, TYPE 1

FROM STATION	TO STATION	LT/RT	EACH
560+65.60	560+90.57	RT	1
567+67.19	567+92.15	LT	1
TOTAL		2	

TRAFFIC BARRIER TERMINAL, TYPE 2

FROM STATION	TO STATION	LT/RT	EACH
564+57.85	564+70.35	RT	1
565+78.31	565+90.81	LT	1
TOTAL		2	

TERMINAL MARKER - DIRECT APPLIED

FROM STATION	LT/RT	EACH
560+65.60	RT	1
567+92.15	LT	1
TOTAL		2

STUMP REMOVAL, ACRES

FROM STATION	TO STATION	LT/RT	ACRES
561+26.65	564+04.82	RT	0.02
564+81.14	564+90.26	RT	0.01
565+29.59	566+57.48	LT	0.04
566+99.09	567+28.35	LT	0.01
ROUNDED TOTAL			0.25

GUARDRAIL REFLECTORS, TYPE A

FROM STATION	TO STATION	LT/RT	EACH
556+90.85	565+78.31	LT	23
560+90.57	563+57.86	RT	7
563+57.86	564+07.85	RT	2
564+08.11	564+57.85	RT	2
565+69.28	565+92.21	LT	1
565+92.21	566+42.21	LT	2
566+42.21	567+67.19	LT	4
TOTAL			41

GUARDRAIL REMOVAL

FROM STATION	TO STATION	LT/RT	FOOT
556+89.70	565+90.81	LT	138.00
561+51.94	564+52.54	RT	300.00
565+69.28	567+63.02	LT	195.70
ROUNDED TOTAL			496

WOVEN WIRE FENCE, 4'

FROM STATION	TO STATION	LT/RT	FOOT
563+58.60	564+90.26	RT	132.00
565+29.73	566+57.66	LT	127.93
ROUNDED TOTAL			260

FENCE REMOVAL

FROM STATION	TO STATION	LT/RT	FOOT
563+58.60	564+90.26	RT	132.00
565+29.73	566+57.66	LT	127.93
ROUNDED TOTAL			260

TEMPORARY CONCRETE BARRIER

FROM STATION	TO STATION	LT/RT	FOOT
562+52.96	564+90.26	RT	237.50
565+29.73	567+29.65	LT	200.00
ROUNDED TOTAL			437.50

IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3

STATION	LT/RT	EACH
562+52.96	RT	1
567+29.65	LT	1
TOTAL		2

EROSION CONTROL TABLE

FROM STATION	TO STATION	LT/RT	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	EROSION CONTROL BLANKET	HEAVY DUTY EROSION CONTROL BLANKET	TEMPORARY DITCH CHECKS	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION
			ACRE	POUND	POUND	POUND	ACRE	SQ YD	SQ YD	FOOT	FOOT	EACH
560+43.45	563+71.53	RT	0.03	2.98	2.98	2.98						
560+43.45	561+00.00	RT						40.92				
560+43.45	563+50.00	RT									315.68	
561+00.00		RT								8.00		
561+00.00	562+00.00	RT						80.18				
562+00.00	563+71.53	RT							39.25			
563+58.60	564+18.61	RT	0.03	2.27	2.27	2.27						
563+58.60	564+00.00	RT						94.32				
563+64.69		RT										1
563+75.00		RT								8.00		
563+86.57	564+70.36	RT	0.02	1.90	1.90	1.90			102.21			
564+00.00	564+18.61	RT					0.01					
564+32.89	564+90.26	RT	0.03	2.85	2.85	2.85	0.03					
564+50.00		RT								15.50		
564+83.86		RT										1
565+29.73	565+81.43	LT	0.01	1.12	1.12	1.12			58.96			
565+29.73	565+68.13	LT						12.43				
565+35.39		LT										1
565+50.00		LT								7.50		
565+71.00	566+12.00	LT									41.10	
565+75.61	566+57.66	LT	0.03	2.54	2.54	2.54						
565+75.61	565+57.48	LT					0.01					
565+71.11	566+11.02	LT	0.01	0.31	0.31	0.31			16.91			
565+90.84	566+57.48	LT							74.16			
566+25.00		LT								7.00		
566+28.66	568+13.97	LT	0.03	2.83	2.83	2.83						
566+28.66	567+00.00	LT							50.20			
566+53.20		LT										1
566+85.00	568+14.00	LT									131.24	
567+00.00	567+50.00	LT						53.39				
567+50.00	568+13.97	LT					0.01					
ROUNDED TOTAL			0.25	30	30	30	0.25	282	342	46	489	4

EARTHWORK SCHEDULE

EARTH EXCAVATION	EARTH EXC. ADJ. FOR SHRINKAGE (15%)	EMBANKMENT	TOPSOIL EXCAVATION AND PLACEMENT	EARTHWORK BALANCE (+/-)
CU YD	CU YD	CU YD	CU YD	CU YD
90	77	52	125	25

PAVEMENT MARKING SCHEDULE

FROM STATION	TO STATION	LT/RT	THERMOPLASTIC PAVEMENT MARKING
			LINE 4" FOOT
563+60.90	564+28.63	RT	67.74
563+60.90	564+28.63	RT	67.74
563+60.90	564+28.63	RT	20.00
563+60.90	564+28.63	RT	67.74
565+68.75	566+43.35	LT	74.61
565+68.75	566+43.35	LT	20.00
565+68.75	566+43.35	LT	75.91
ROUNDED TOTAL			394

TEMPORARY PAVEMENT MARKING SCHEDULE

FROM STATION	TO STATION	LT/RT	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE
			FOOT
563+33.52	564+90.26	RT	156.73
565+29.73	566+82.72	LT	153.00
ROUNDED TOTAL			310

RAISED REFLECTIVE PAVEMENT MARKER

FROM STATION	TO STATION	LT/RT	EACH
563+60.90	564+28.63	RT	2
565+68.75	566+43.35	LT	1
TOTAL			3



USER NAME = 14nho
 PLOT SCALE = 2,000' / in.
 PLOT DATE = 2/1/2024

DESIGNED - JK
 DRAWN - JK
 CHECKED - ST
 DATE - 2/2024

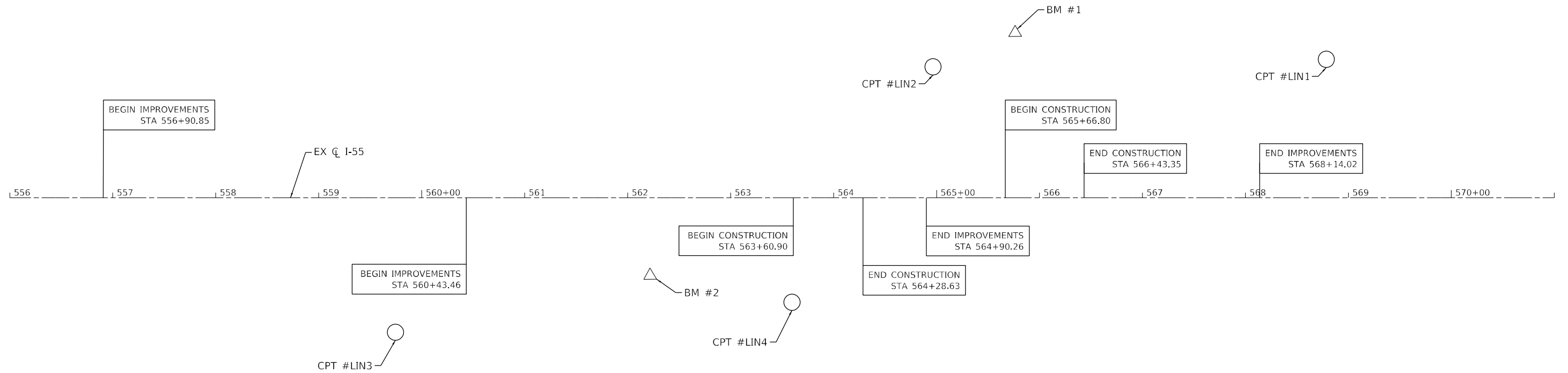
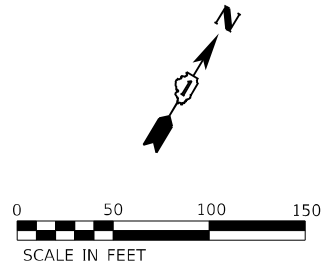
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
 SCHEDULE OF QUANTITIES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	9
CONTRACT NO. 62P06			ILLINOIS FED. AID PROJECT	



USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 100,0045' / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	10
CONTRACT NO. 62P06			ILLINOIS FED. AID PROJECT	

CONTROL POINTS						
CONTROL POINT #	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
LIN1	1847115.838	1087032.942	690.331	568+78.60	134.29 LT	SET 5/8" REBAR W/ CAP
LIN2	1846948.877	1086689.337	691.972	564+96.64	127.03 LT	SET 5/8" REBAR W/ CAP
LIN3	1846495.815	1086323.639	688.139	559+74.51	130.61 RT	SET 5/8" REBAR W/ CAP
LIN4	1846683.924	1086660.947	688.122	563+59.63	101.51 RT	SET 5/8" REBAR W/ CAP

EXISTING I-55 BASELINE		
STATION	NORTHING	EASTING
556+00.00	1846457.10	1085928.90
571+00.00	1847086.92	1087290.27

BENCHMARK LIST						
BM #	NORTHING	EASTING	ELEVATION	STATION	OFFSET	DESCRIPTION
BM 1	1847013.232	1086747.711	688.629	565+76.32	160.92 LT	WEST BONNET BOLT (MUELLER BOLT) OF F.H. ON NE CORNER OF N. FRONTAGE RD AND TENNESSEE AVE.
BM 2	1846648.911	1086525.753	689.950	562+22.10	75.44 RT	CUT "□" ON LIGHTPOST FOUNDATION SOUTH SIDE.



USER NAME = l4nho	DESIGNED - NH	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

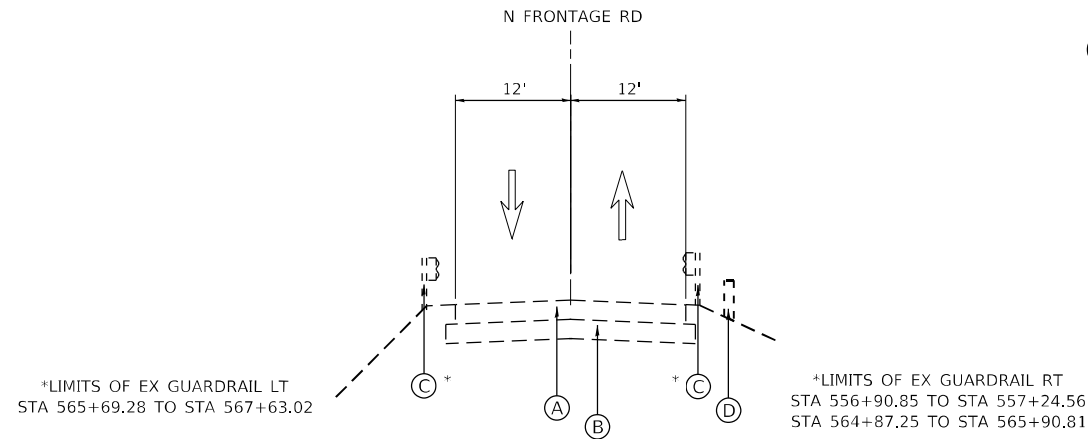
**F.A.I. 55 AT STREAM
ALIGNMENT, TIES AND BENCHMARKS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62P06	

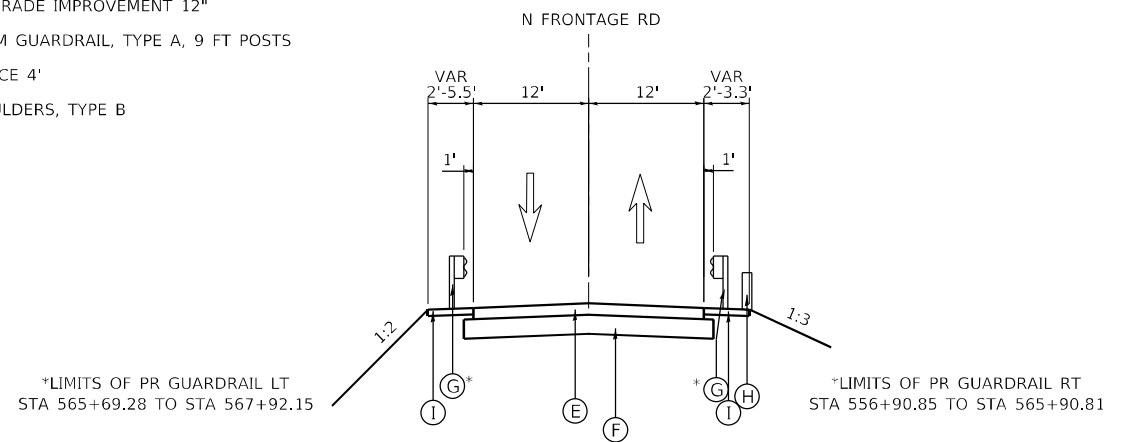
LEGEND

- (A) EXISTING HMA PAVEMENT
- (B) EXISTING SUB-BASE MATL.
- (C) EXISTING GUARDRAIL
- (D) EXISTING WOVEN WIRE FENCE
- (E) PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 7 1/4"
- (F) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- (G) PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FT POSTS
- (H) PROPOSED WOVEN WIRE FENCE 4'
- (I) PROPOSED AGGREGATE SHOULDERS, TYPE B



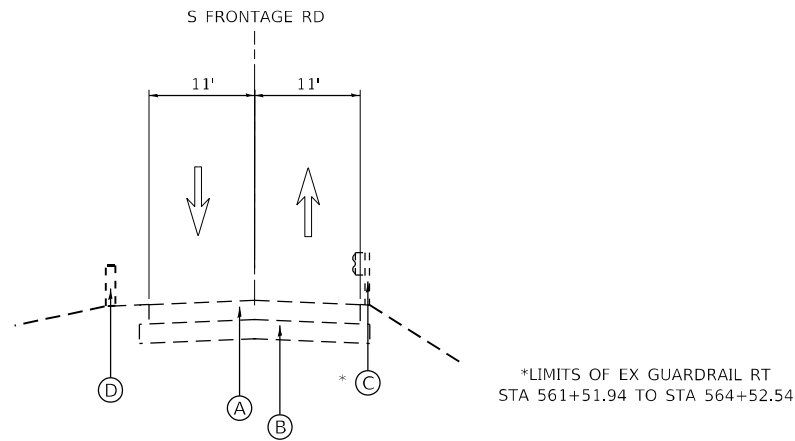
EXISTING TYPICAL SECTION

N FRONTAGE RD
LOOKING EAST
STA 565+66.80 TO STA 566+43.35
(MEASURED ALONG I-55)



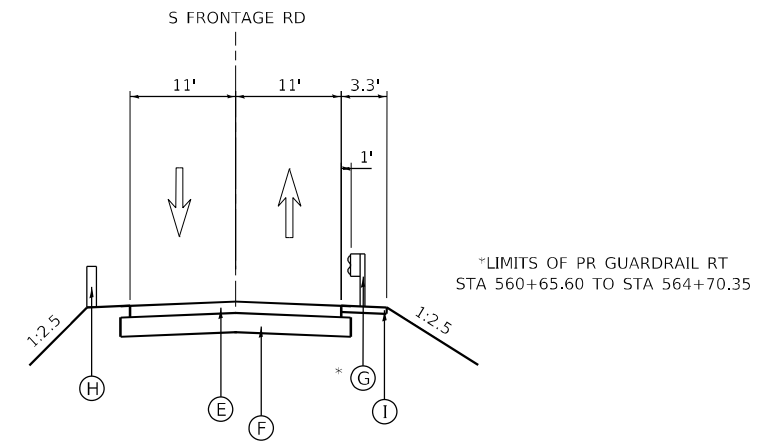
PROPOSED TYPICAL SECTION

N FRONTAGE RD
LOOKING EAST
STA 565+66.80 TO STA 566+43.35
(MEASURED ALONG I-55)



EXISTING TYPICAL SECTION

S FRONTAGE RD
LOOKING EAST
STA 563+60.90 TO STA 564+28.63
(MEASURED ALONG I-55)



PROPOSED TYPICAL SECTION

S FRONTAGE RD
LOOKING EAST
STA 563+60.90 TO STA 564+28.63
(MEASURED ALONG I-55)

USER NAME = 14nho	DESIGNED - NH	REVISED -
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PLOT SCALE = 20,0000 * / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	12
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				

IDOT MAINTENANCE OR TRAFFIC GENERAL NOTES

1. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. ALL TRAFFIC CONTROL DEVICES SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS SPECIFIED IN THE TRAFFIC CONTROL SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
3. FOR STABILIZATION, ANY REQUIRED TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
4. EXISTING SIGNS WITHIN THE LIMITS OF TRAFFIC CONTROL WHICH ARE OBSTRUCTED BY OR OTHERWISE INTERFERED WITH BY CONSTRUCTION OPERATIONS OF DESIGNATED TRAFFIC CONTROL, SHALL BE COVERED OR REMOVED BY THE CONTRACTOR UNLESS SPECIFIED IN THE PLANS OR WHEN DIRECTED BY THE ENGINEER. THIS WORK SHALL BE AS SPECIFIED IN ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
5. SEE STRUCTURAL PLANS FOR CULVERT REPLACEMENT INFORMATION.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 AND ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY WORK.
7. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE ARTERIALS TRAFFIC CONTROL SUPERVISOR AND THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: FULL ROADWAY CLOSURES, DETOURS, SHOULDER CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION.
8. CHANGEABLE MESSAGE SIGNS WILL BE PLACED 2 WEEKS PRIOR TO START OF WORK, AT LOCATIONS DETERMINED BY THE ENGINEER, FOR ADVANCED WARNING.
9. ALL DRUMS, VERTICAL PANELS, AND BARRICADES ADJACENT TO THE EDGE OF THE TRAVELED WAY SHALL BE EQUIPPED WITH MONO- DIRECTIONAL STEADY BURNING LIGHTS.
10. ALL DRUMS SHALL BE PLACED AT 50' CENTERS ON TANGENTS, 20' CENTERS ON TAPERS AND 10' CENTERS ON RADII AND CURVES.

SUGGESTED SEQUENCE OF OPERATIONS

STAGE 1

1. UTILIZING DISTRICT STANDARDS TC-17, INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS AS REQUIRED TO CLOSE THE OUTSIDE SHOULDERS OF WB & EB I-55.
2. INSTALL TRAFFIC CONTROL DEVICES AND ERECT DETOUR SIGNAGE, AT LOCATIONS SHOWN IN THE PLANS OR AS DETERMINED BY THE ENGINEER, TO CLOSE THE NORTH AND SOUTH FRONTAGE ROADS TO THROUGH TRAFFIC WITHIN THE PROJECT LIMITS.
3. REMOVE DAMAGED EXISTING NORTH AND SOUTH SECTIONS OF BOX CULVERT, AS WELL AS EXISTING PIPE CULVERTS THAT OUTLET INTO BOX CULVERT AS SHOWN ON THE STRUCTURAL AND ROADWAY PLANS.
4. REMOVE EXISTING PAVEMENT, GUARDRAIL, FENCING, SIGNAGE, AND DRAINAGE STRUCTURES LOCATED WITHIN THE LIMITS OF THE REQUIRED EXCAVATION TO REMOVE THE DAMAGED SECTIONS OF THE EXISTING BOX CULVERT.
5. CONSTRUCT PROPOSED BOX CULVERT SECTIONS, AS WELL AS PROPOSED PIPE CULVERTS AND DRAINAGE STRUCTURES AT LOCATIONS SHOWN IN THE STRUCTURAL AND ROADWAY PLANS.
6. CONSTRUCT PROPOSED PERMANENT SHEET PILING ALONG NORTH AND SOUTH FRONTAGE ROADS AT LOCATIONS SHOWN IN THE PLANS.
7. CONSTRUCT PROPOSED FULL DEPTH PAVEMENT AND INSTALL PROPOSED GUARDRAIL, FENCING, SIGNAGE, AND PERMANENT PAVEMENT MARKINGS AS SHOWN IN THE ROADWAY PLANS.



USER NAME = l1nho	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

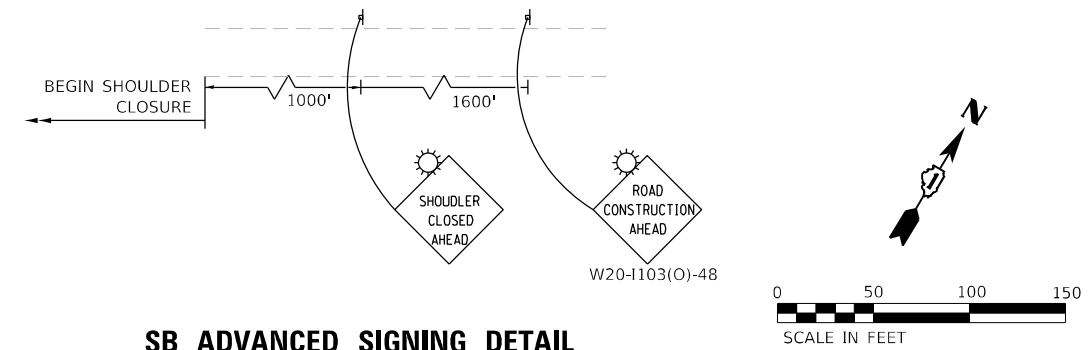
**F.A.I. 55 AT STREAM
MAINTENANCE OF TRAFFIC GENERAL NOTES**

SCALE: N.T.S. SHEET 1 OF 2 SHEETS STA. 560+03.00 TO STA. 569+80.00

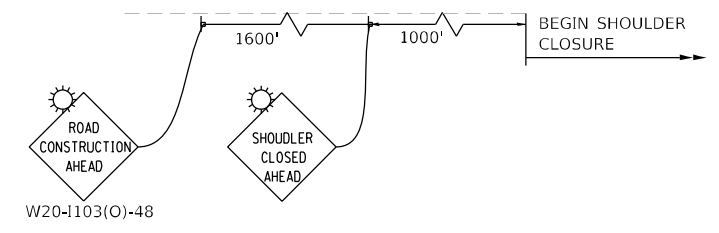
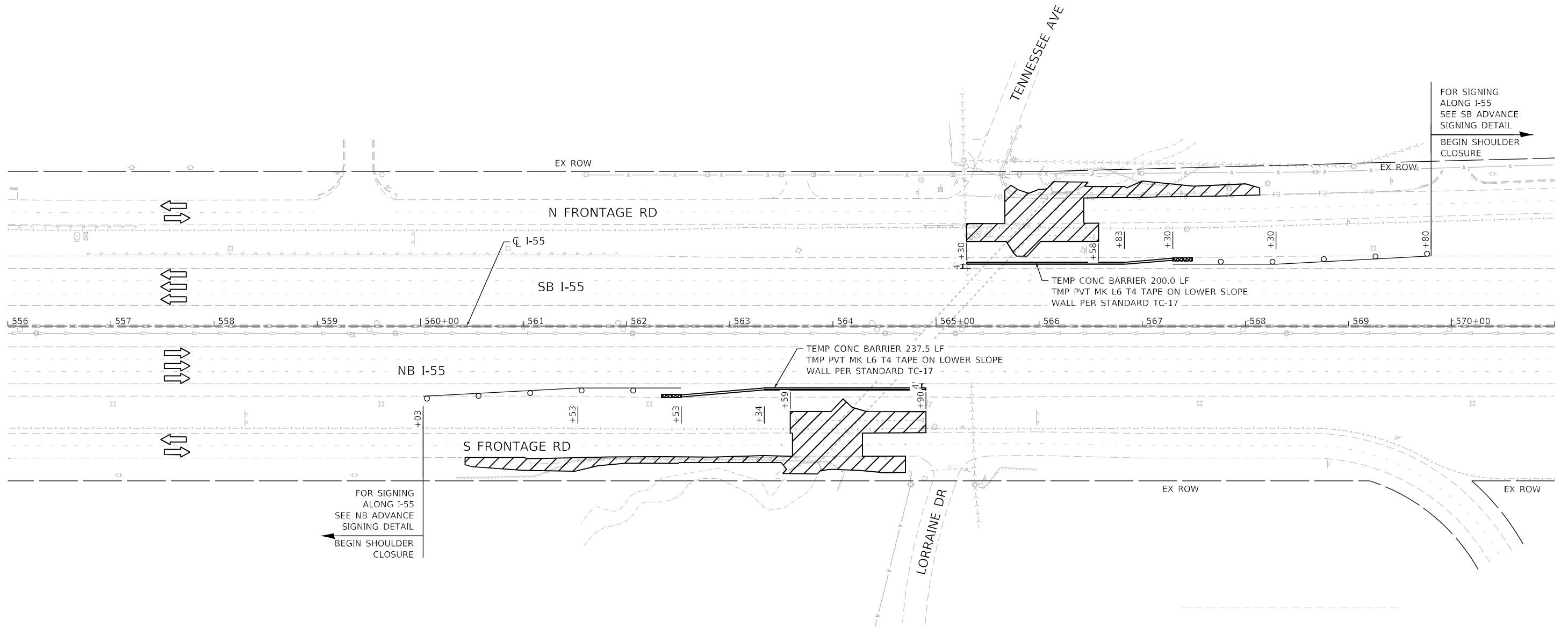
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	13
			CONTRACT NO. 62P06	
			ILLINOIS FED. AID PROJECT	

LEGEND

-  WORKZONE
-  IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
-  TEMPORARY CONCRETE BARRIER
-  DRUMS
-  SIGN
-  DIRECTION OF TRAVEL



SB ADVANCED SIGNING DETAIL



NB ADVANCED SIGNING DETAIL



USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

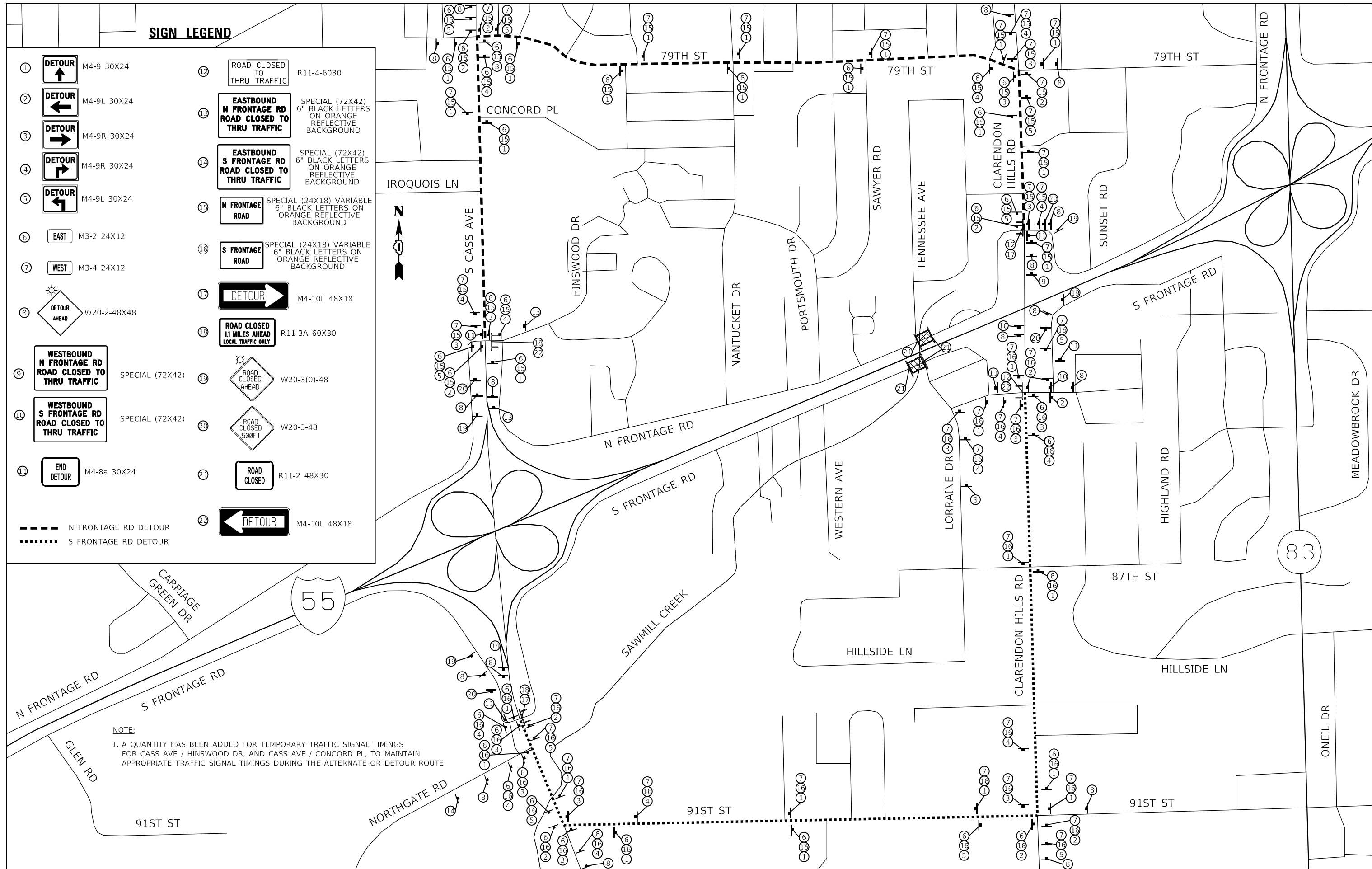
F.A.I. 55 AT STREAM MAINTENANCE OF TRAFFIC PLAN	
SCALE: 1"=50'	SHEET 2 OF 2 SHEETS STA. 560+03.00 TO STA. 569+80.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	14
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				

SIGN LEGEND

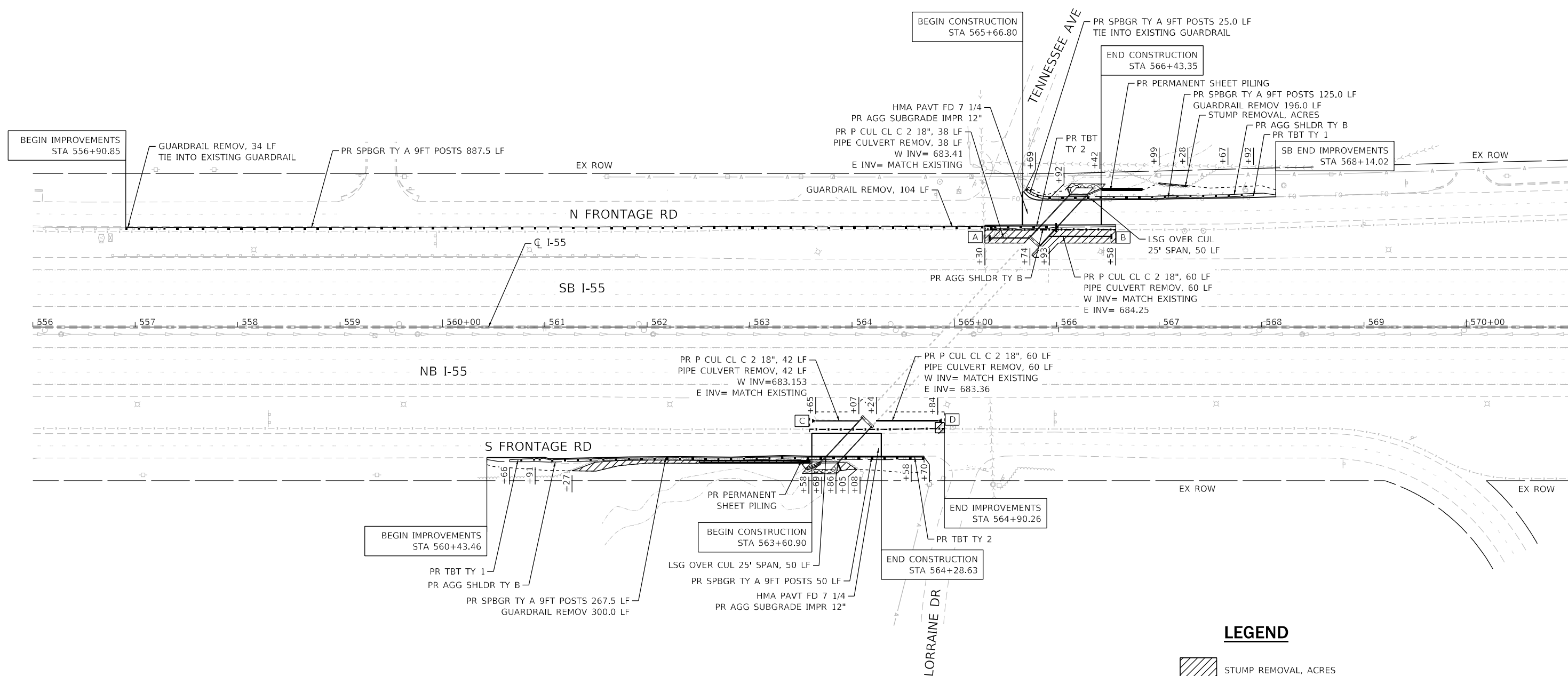
- ① M4-9 30X24
 - ② M4-9L 30X24
 - ③ M4-9R 30X24
 - ④ M4-9R 30X24
 - ⑤ M4-9L 30X24
 - ⑥ M3-2 24X12
 - ⑦ M3-4 24X12
 - ⑧ W20-2-48X48
 - ⑨ SPECIAL (72X42)
 - ⑩ SPECIAL (72X42)
 - ⑪ M4-8a 30X24
 - ⑫ R11-4-6030
 - ⑬ SPECIAL (72X42) 6" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND
 - ⑭ SPECIAL (72X42) 6" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND
 - ⑮ SPECIAL (24X18) VARIABLE 6" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND
 - ⑯ SPECIAL (24X18) VARIABLE 6" BLACK LETTERS ON ORANGE REFLECTIVE BACKGROUND
 - ⑰ M4-10L 48X18
 - ⑱ R11-3A 60X30
 - ⑲ W20-3(0)-48
 - ⑳ W20-3-48
 - ㉑ R11-2 48X30
 - ㉒ M4-10L 48X18
- N FRONTAGE RD DETOUR
 S FRONTAGE RD DETOUR

NOTE:
 1. A QUANTITY HAS BEEN ADDED FOR TEMPORARY TRAFFIC SIGNAL TIMINGS FOR CASS AVE / HINSWOOD DR, AND CASS AVE / CONCORD PL, TO MAINTAIN APPROPRIATE TRAFFIC SIGNAL TIMINGS DURING THE ALTERNATE OR DETOUR ROUTE.





- A** PR FL INLT BX MED 542546
REMOVE INLET BOX
STA 565+35.39
RIM ELEV= 686.74
E INV= 683.41
- B** PR FL INLT BX MED 542546
REMOVE INLET BOX
STA 566+53.20
RIM ELEV= 687.58
W INV= 684.25



LEGEND
 STUMP REMOVAL, ACRES

NOTE:
 THE CONTRACTOR SHALL CONFIRM THAT THE SLOPE OF THE PIPE CULVERTS MEETS THE REQUIREMENTS OF TABLE 8-008.04 OF THE IDOT DRAINAGE MANUAL.

- C** END SECTIONS 18" REM CONC END SEC
STA 563+64.69
INV= 683.153
- D** END SECTIONS 18" REM CONC END SEC
STA 564+83.86
INV= 683.36



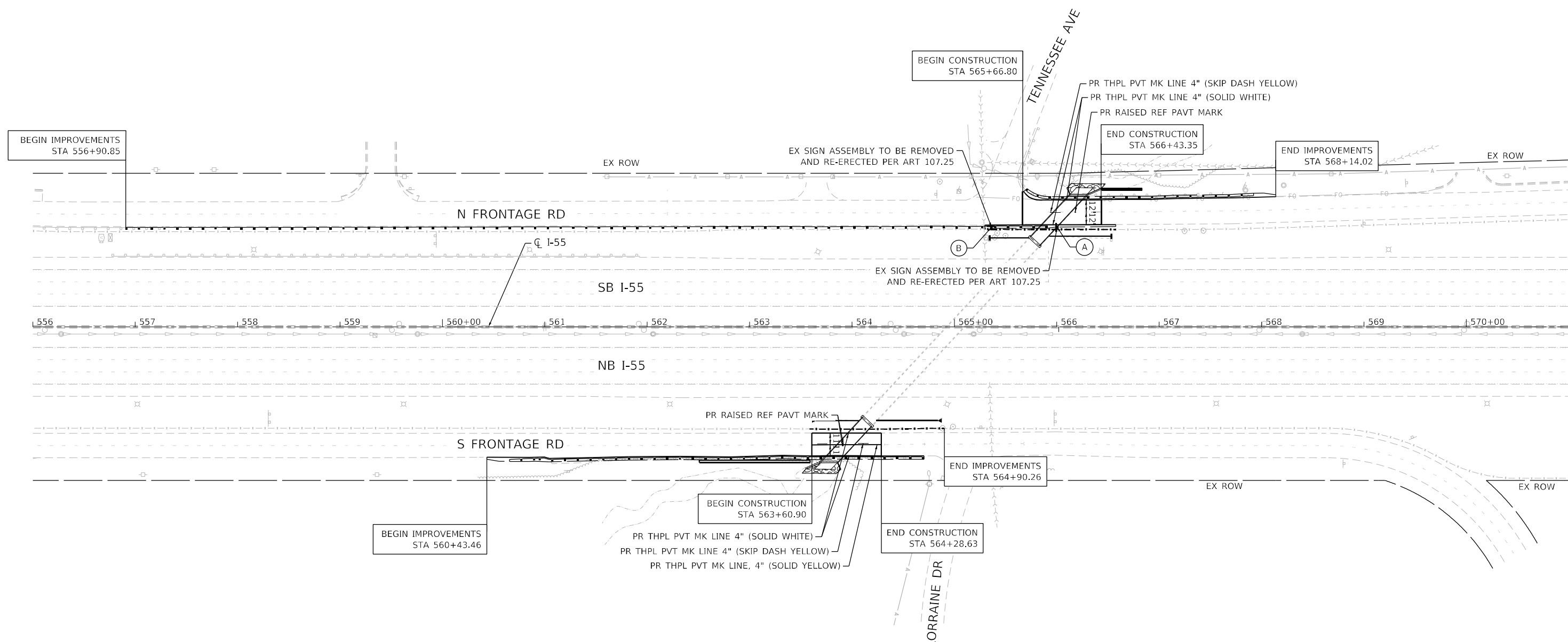
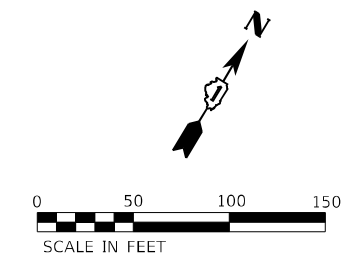
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	DRAWN - NH	REVISED -
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PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
ROADWAY PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 556+90.85 TO STA. 568+14.02

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	16
CONTRACT NO. 62P06			ILLINOIS FED. AID PROJECT	



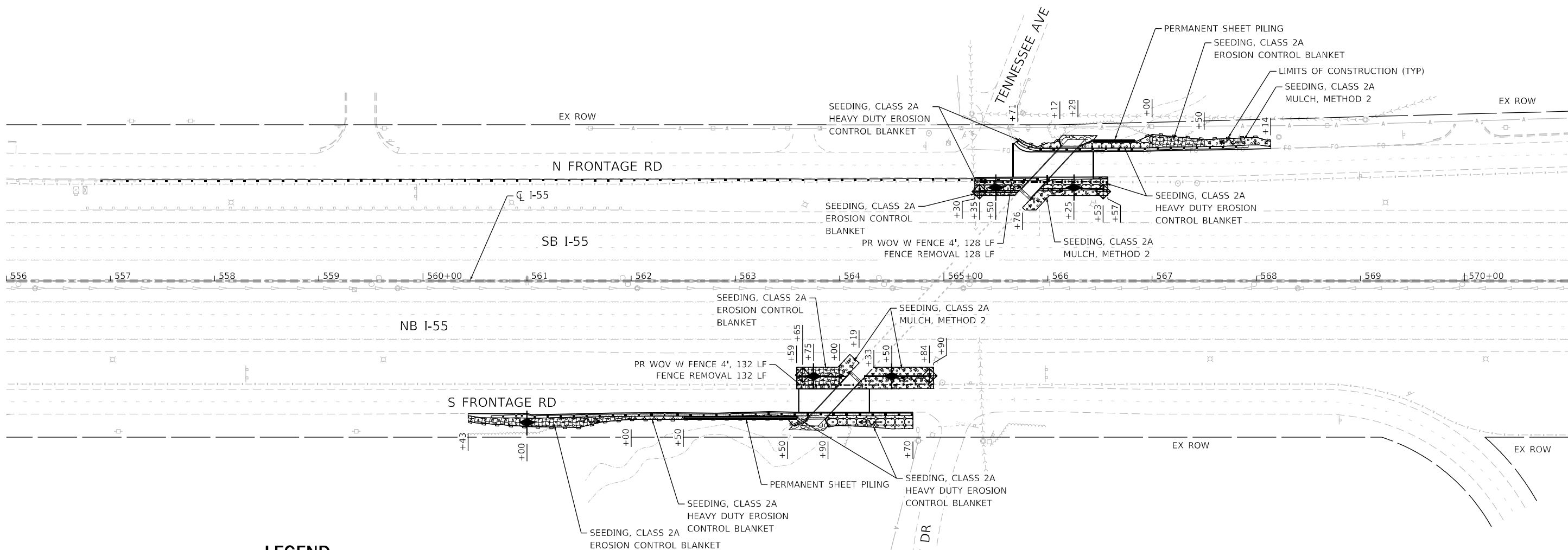
LEGEND

(A) R2-1
24" X 30"
STA 565+99.52 LT

(B) W1-7
48" X 24"
STA 565+36.07 LT

USER NAME = 14nho	DESIGNED - NH	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - NH	REVISED -
PLOT DATE = 2/1/2024	CHECKED - ST	REVISED -
	DATE - 2/2024	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	17
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				



LEGEND

	MULCH, METHOD 2
	SEEDING, CLASS 2A
	EROSION CONTROL BLANKET
	HEAVY DUTY EROSION CONTROL BLANKET
	TEMPORARY DITCH CHECK
	INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER/TEMPORARY FENCE

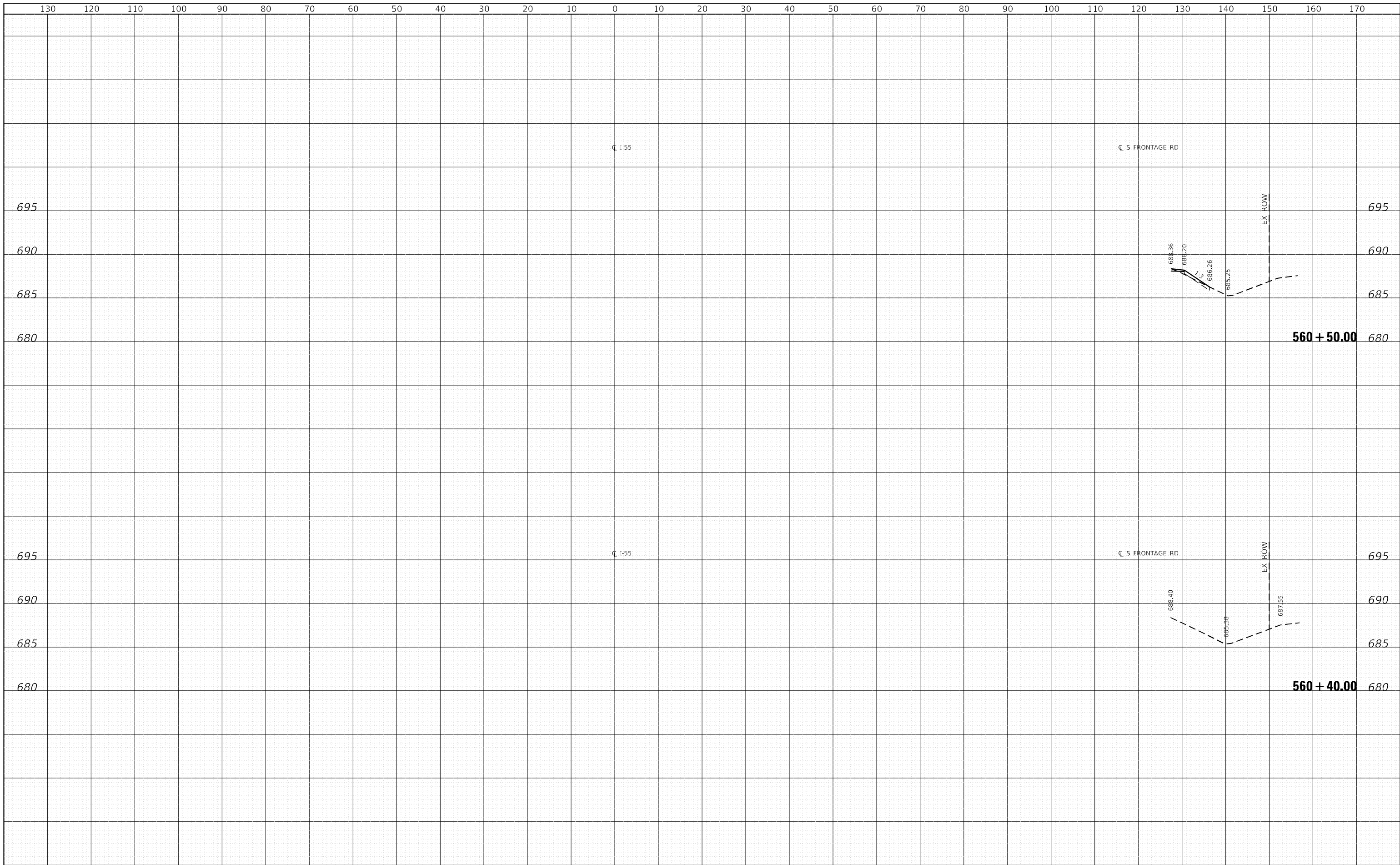


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PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. 55 AT STREAM EROSION CONTROL PLAN	
SCALE: 1"=50'	SHEET 1 OF 1 SHEETS STA. 556+00.00 TO STA. 571+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	18
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				



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 Consulting Engineers
 Westmont, Illinois

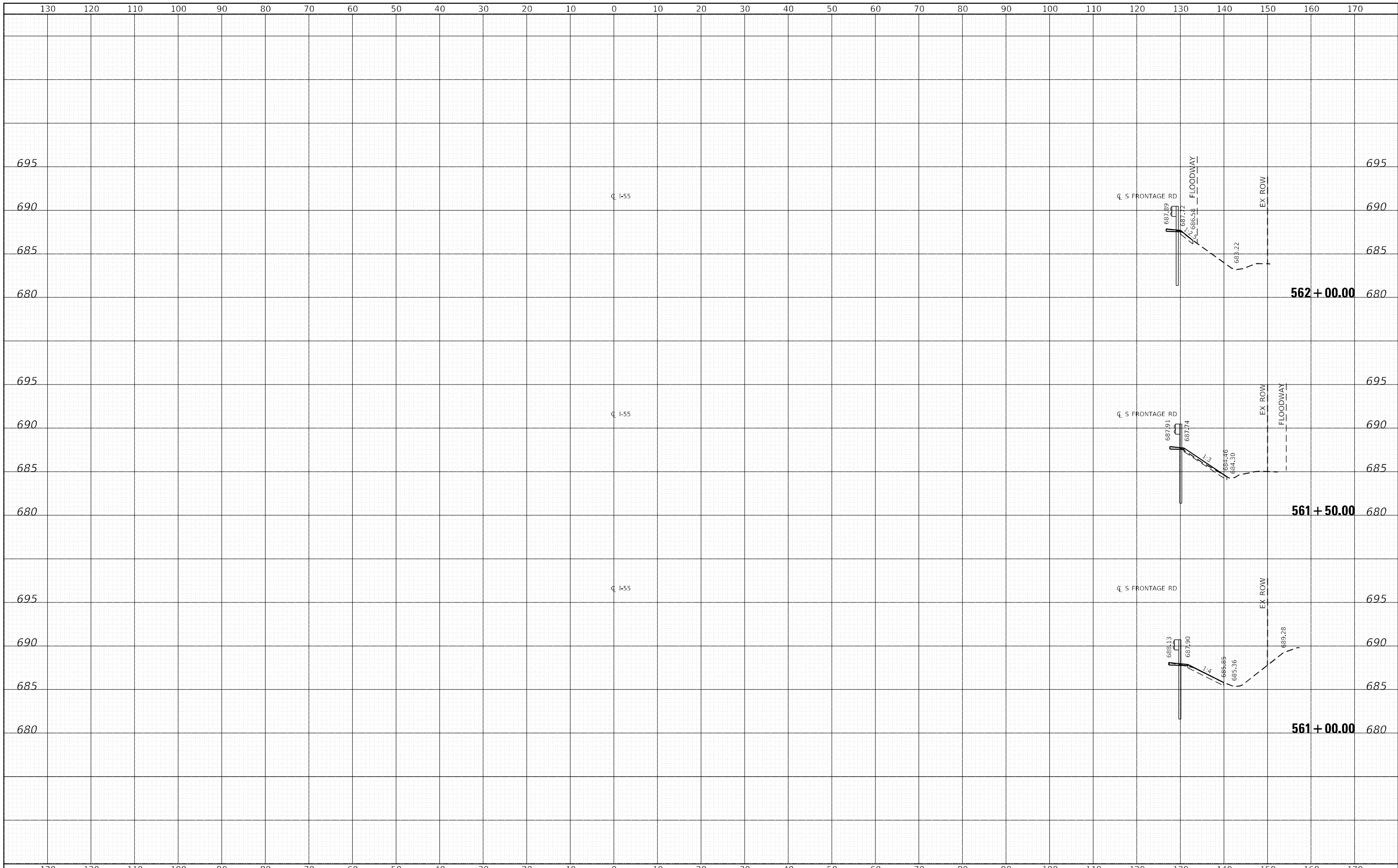
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PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
 S FRONTAGE RD CROSS SECTIONS**

SCALE: 1"=10'H, 5'V SHEET 1 OF 7 SHEETS STA. 560+40.00 TO STA. 560+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	19
			CONTRACT NO. 62P06	
ILLINOIS FED. AID PROJECT				



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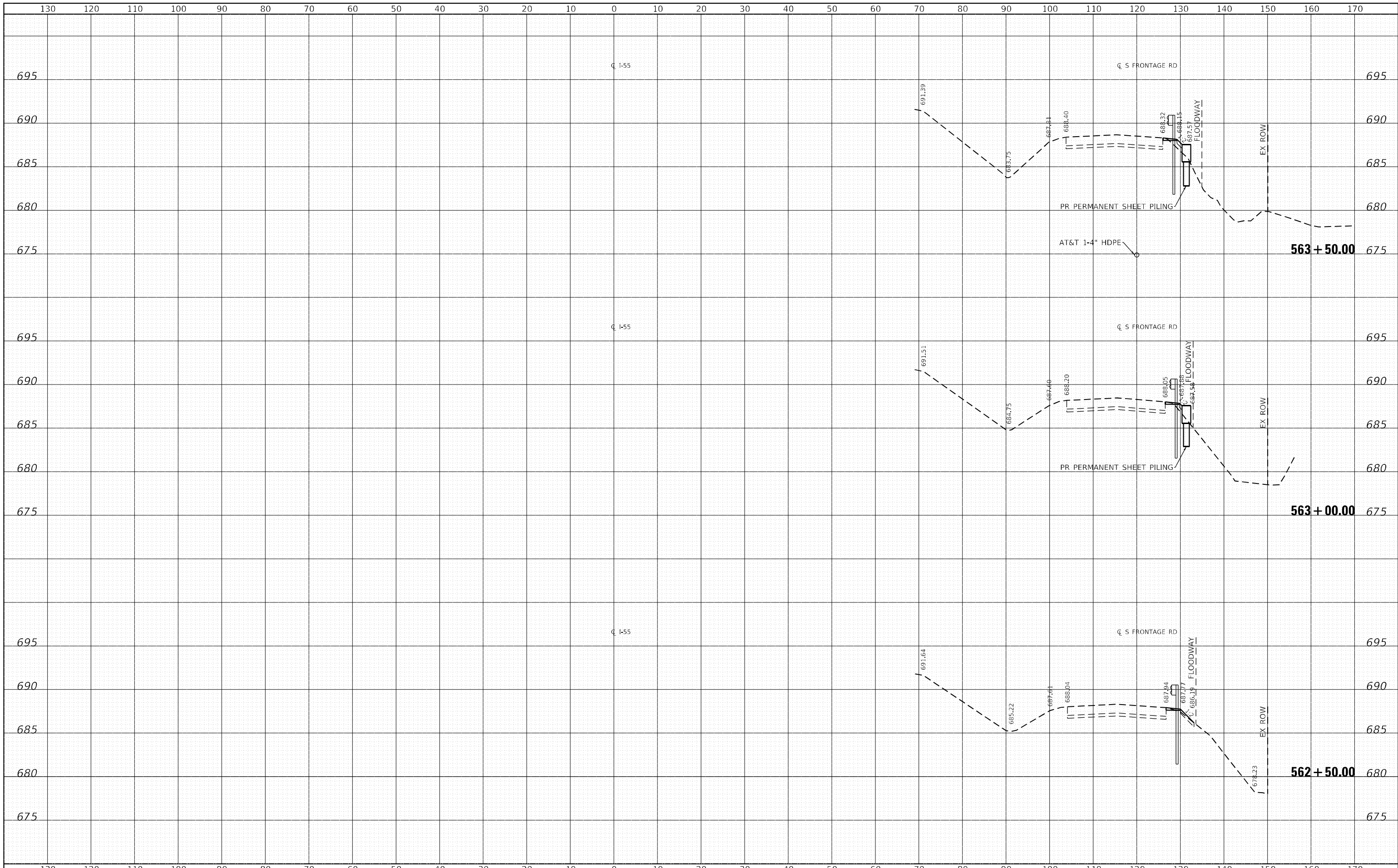
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PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
 S FRONTAGE RD CROSS SECTIONS**

SCALE: 1"=10'H, 5'V SHEET 2 OF 7 SHEETS STA. 561+00.00 TO STA. 562+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	20
			CONTRACT NO. 62P06	
ILLINOIS FED. AID PROJECT				



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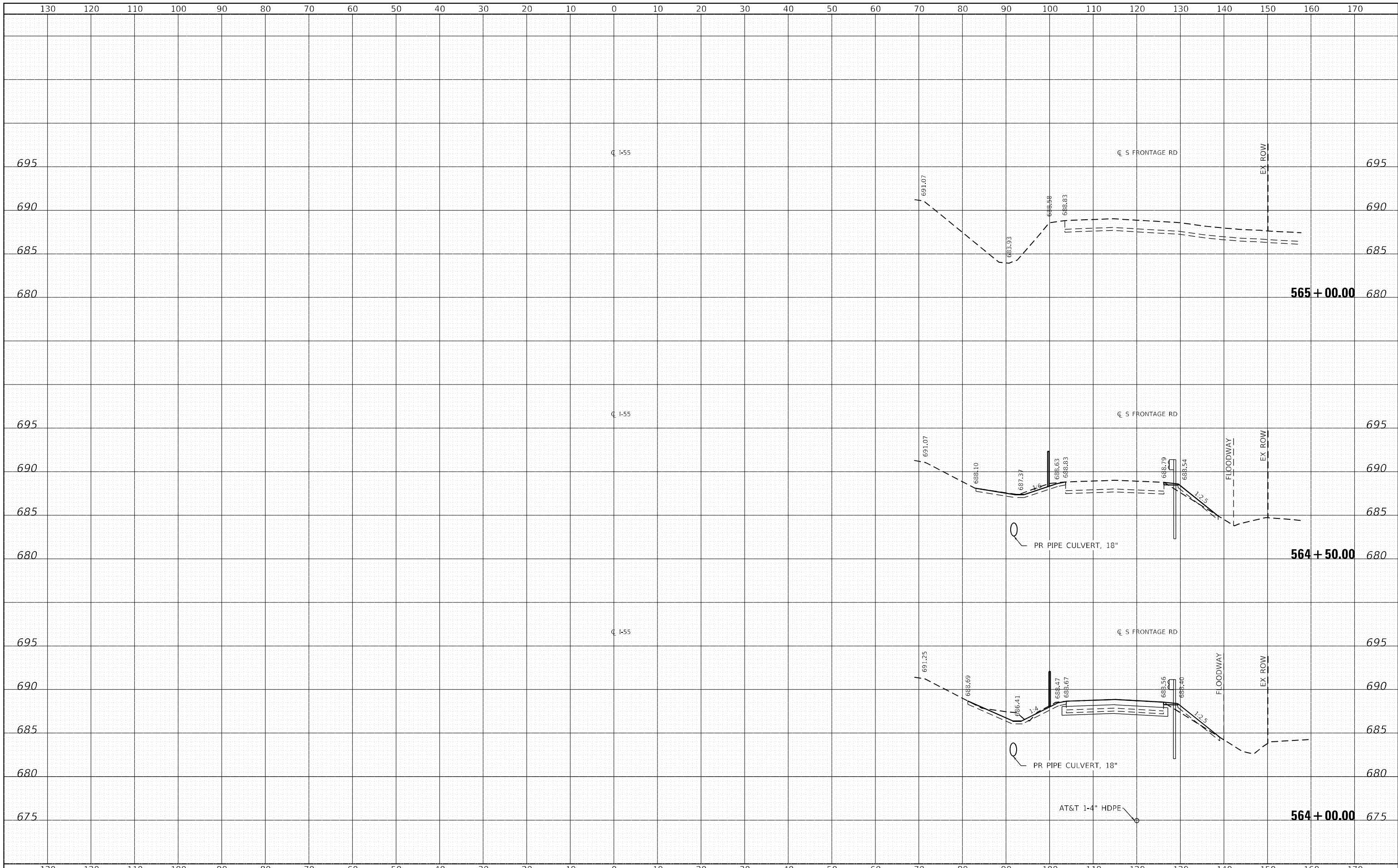
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PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
 S FRONTAGE RD CROSS SECTIONS**

SCALE: 1"=10'H, 5'V SHEET 3 OF 7 SHEETS STA. 562+50.00 TO STA. 563+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	21
CONTRACT NO. 62P06			ILLINOIS FED. AID PROJECT	



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 Consulting Engineers
 Westmont, Illinois

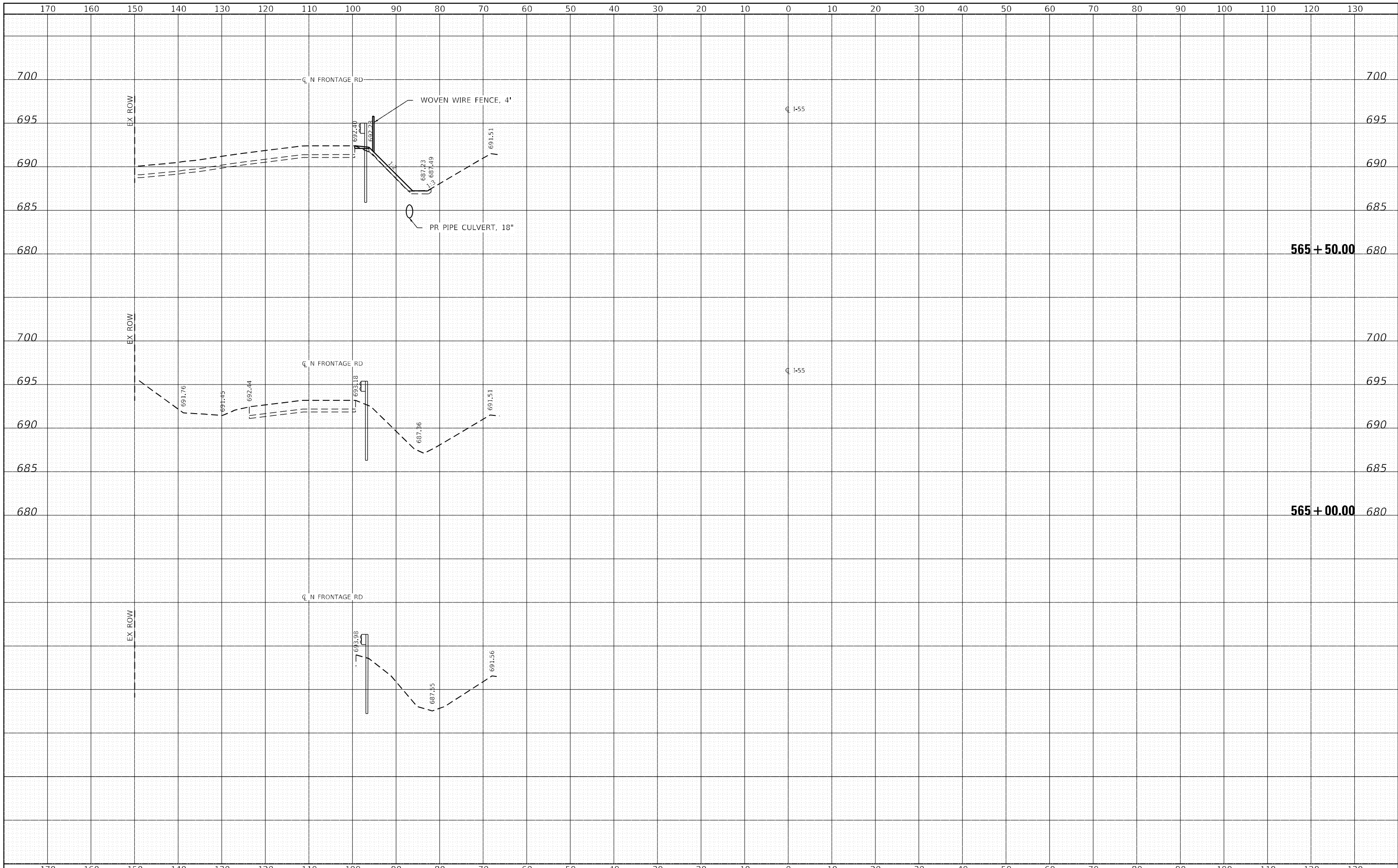
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PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
 S FRONTAGE RD CROSS SECTIONS**

SCALE: 1"=10'H, 5'V SHEET 4 OF 7 SHEETS STA. 564+00.00 TO STA. 565+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR		41	22
CONTRACT NO. 62P06			ILLINOIS FED. AID PROJECT	



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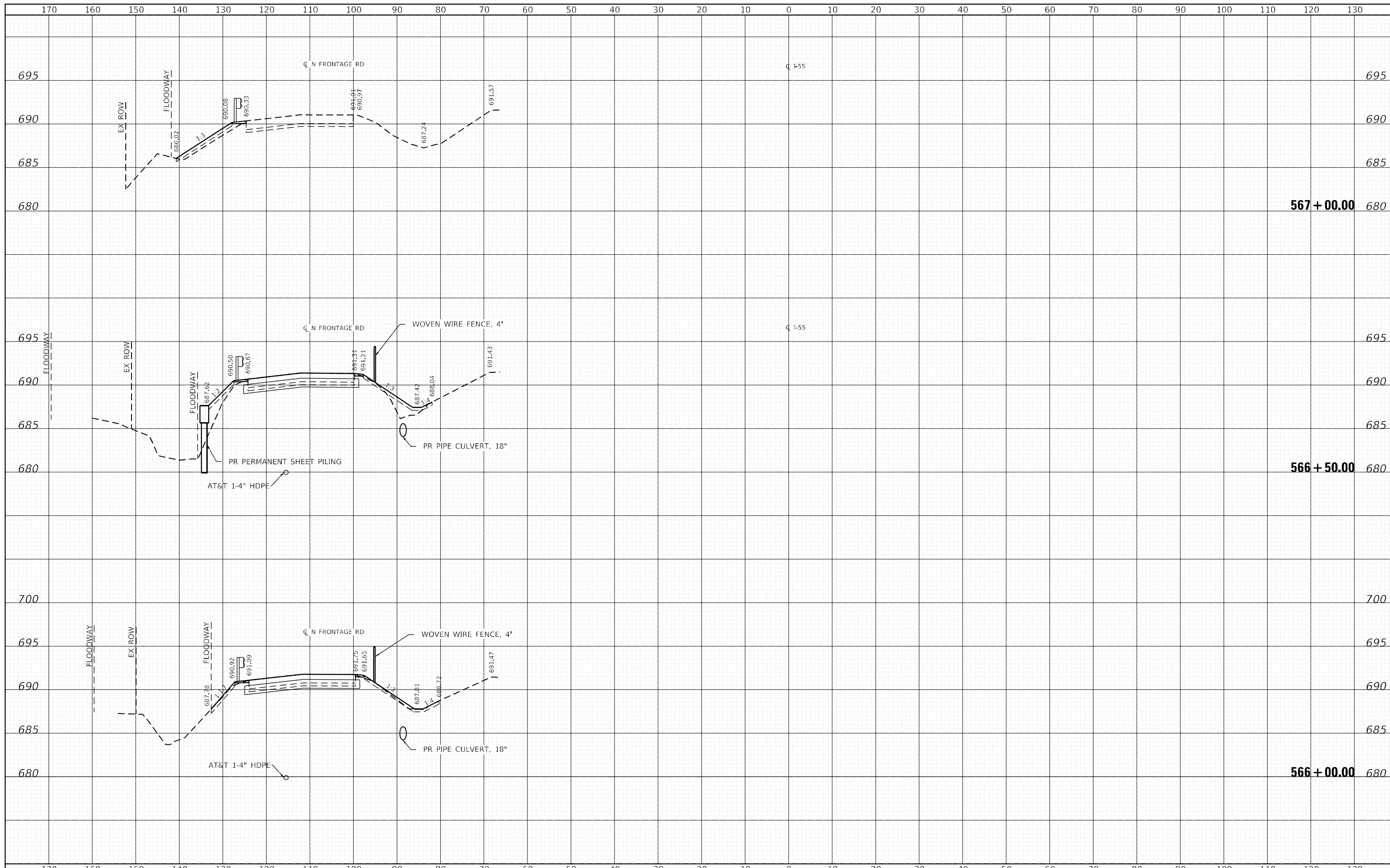
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	DRAWN - RC	REVISED -
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PLOT DATE = 2/1/2024	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
 N FRONTAGE RD CROSS SECTIONS**

SCALE: 1"=10'H, 5'V SHEET 5 OF 7 SHEETS STA. 565+00.00 TO STA. 565+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	23
			CONTRACT NO. 62P06	
ILLINOIS FED. AID PROJECT				



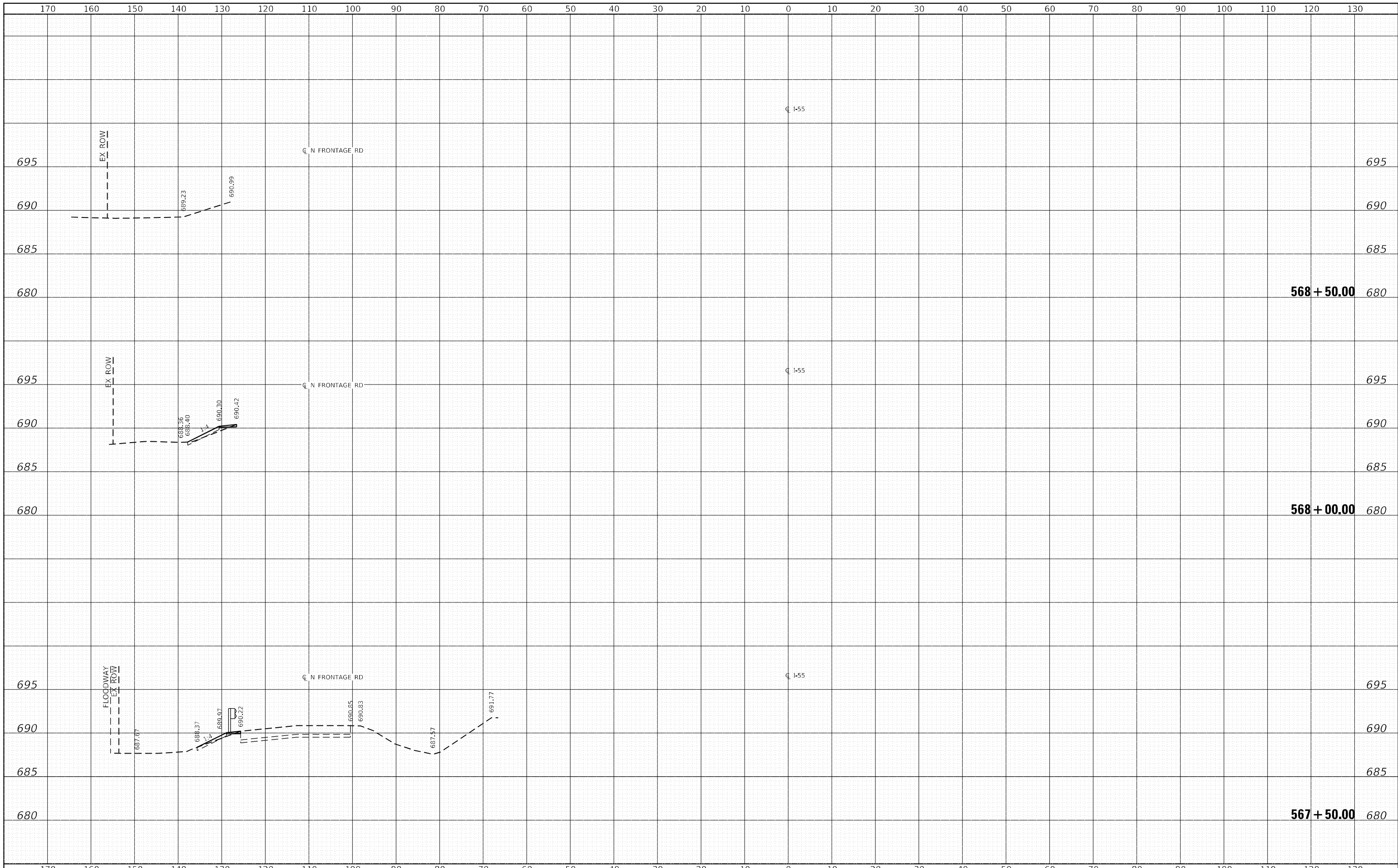
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	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
N FRONTAGE RD CROSS SECTIONS**

SCALE: 1"=10'H, 5'V SHEET 6 OF 7 SHEETS STA. 566+00.00 TO STA. 567+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	24
CONTRACT NO. 62P06			ILLINOIS FED. AID PROJECT	



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USER NAME = l4nho	DESIGNED - RC	REVISED -
PLOT SCALE = 20,0000 * / in.	DRAWN - RC	REVISED -
PLOT DATE = 2/1/2024	CHECKED - ST	REVISED -
	DATE - 2/2024	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**F.A.I. 55 AT STREAM
 N FRONTAGE RD CROSS SECTIONS**

SCALE: 1"=10'H, 5'V SHEET 7 OF 7 SHEETS STA. 567+50.00 TO STA. 568+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	25
CONTRACT NO. 62P06			ILLINOIS FED. AID PROJECT	

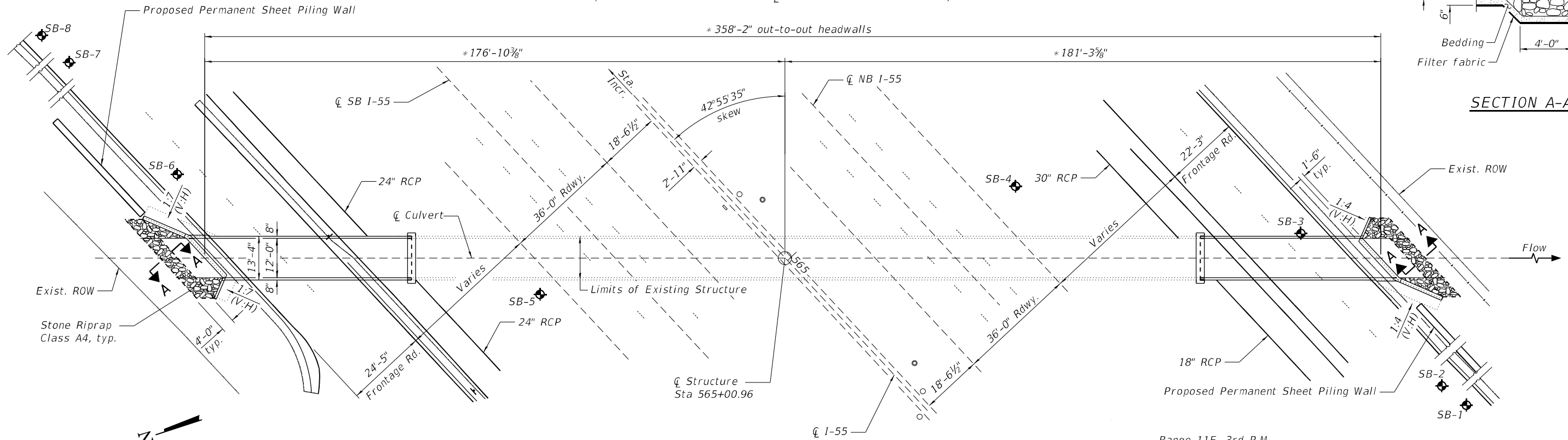
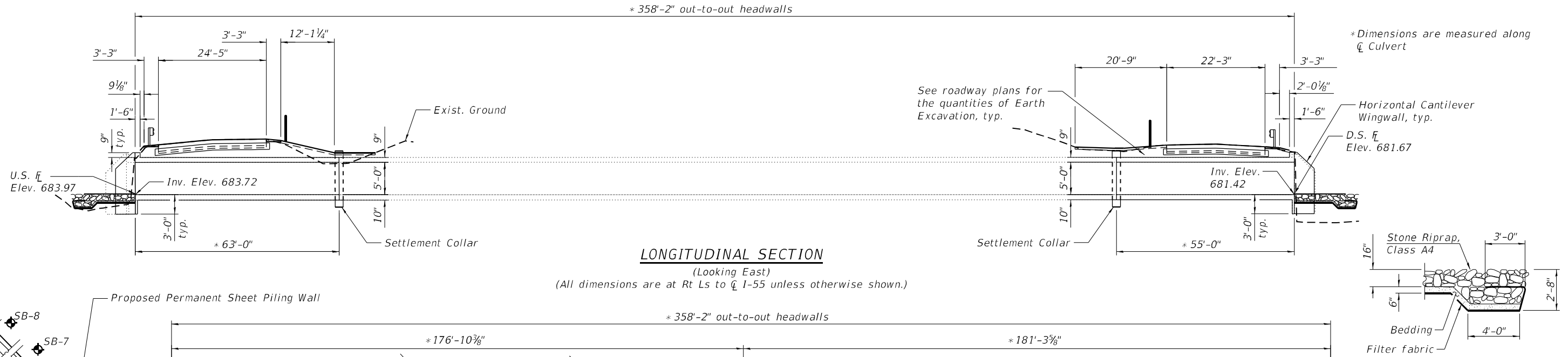
Benchmark: Chiseled '□' on South side of light pole foundation 200'± SW of culvert. Elev. 689.95.

Existing Structure: SN 022-0513 built in 1959 as FAI Route 55, Section 22-1. The structure at I-55 and frontage roads over a stream is a single-cell reinforced box culvert. The culvert is 358'-2" long and the cell width and height are 12 ft and 5 ft respectively. The structure carries two lanes of traffic at each frontage road on the north and south ends, and three lanes each of northbound and southbound I-55.

Frontage Roads shall be closed during construction.

INDEX OF SHEETS

1. General Plan And Elevation
2. General Data
3. Repair Details
- 4-5. Culvert Details
- 6-7. Retaining Wall Details
- 8-10. Soil Borings



DESIGN STRESSES

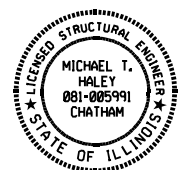
FIELD UNITS
 $f'_c = 3,500$ psi (concrete)
 $f_y = 60,000$ psi (reinforcement)

LOADING HS-20

(New Construction)
 Allow 50 psf for future wearing surface

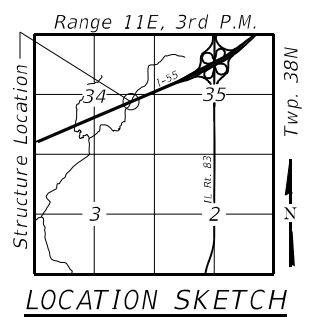
DESIGN SPECIFICATIONS

(New Construction)
 2002 AASHTO "Standard Specifications for Highway Bridges"



Michael T. Haley
 Michael T. Haley
 Licensed Structural Engineer
 State of Illinois No. 081-005991
 Expires 11/30/2024

01/23/2024
 Date



GENERAL PLAN
I-55 OVER EB SAWMILL CREEK
F.A.I. ROUTE 55 - SECTION 2021-068-CR
DUPAGE COUNTY
STA. 565+00.96
STRUCTURE NO. 022-0513

MODEL: Default
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LE LIN ENGINEERING, LTD. Consulting Engineers Springfield, Illinois	USER NAME =	DESIGNED - MS	REVISED -
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	PLOT DATE = 1/23/2024	DRAWN - AJF	REVISED -
		CHECKED - CZ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	26
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

Cost of 1/2" PJF and excavation for Settlement Collar is included with Concrete Box Culverts. Settlement Collar concrete shall be paid for as Concrete Box Culverts.

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.

SCOPE OF WORK

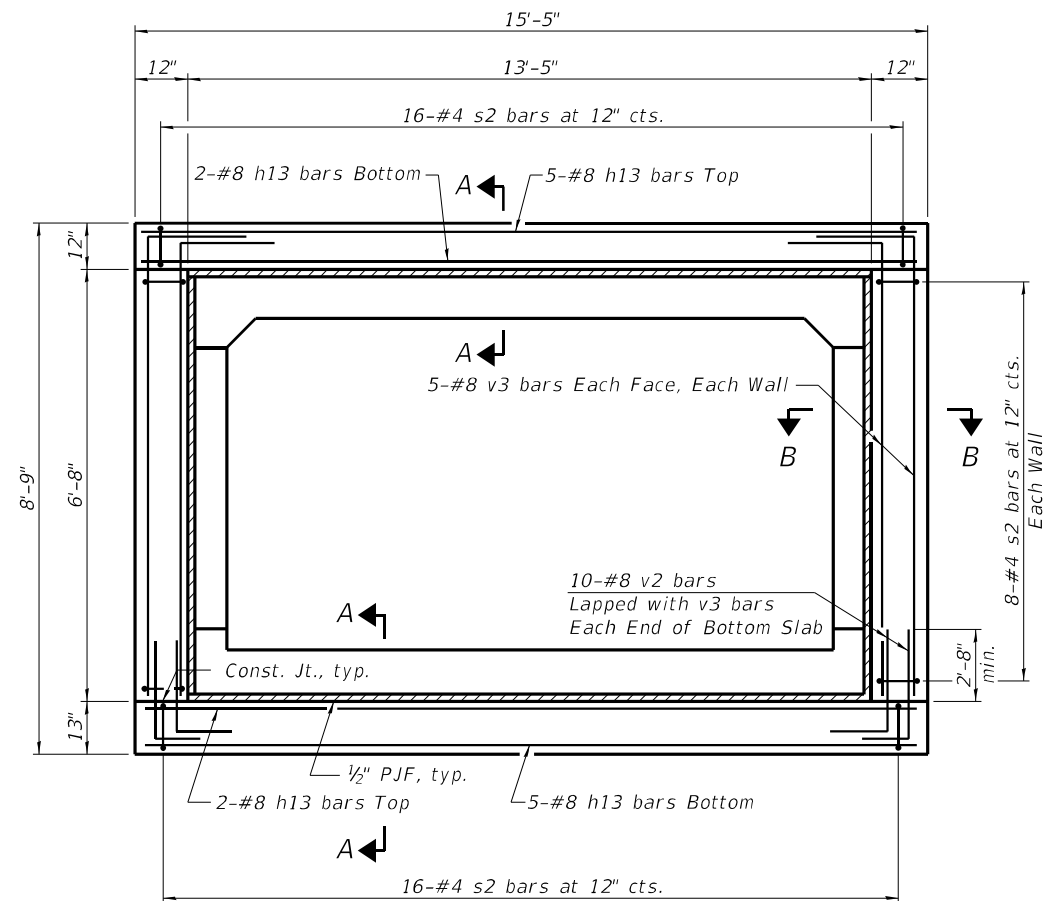
1. Remove the existing culvert from the large perimeter crack to the end of the culvert on both the north and south ends and replace with new culverts of the same geometry.
2. Connect the new culvert to the existing with settlement collars in order to prevent any future cracking due to settlement.
3. Replace deteriorated CMP and RCP pipes that connect to the north and south ends of the culvert with RCP pipes.
4. Perform concrete structural repairs in spalled and delaminated areas of the remaining culvert.
5. Install stone riprap for scour protection at the culvert openings.
6. Detour frontage roads during removal and replacement of the culvert.

TOTAL BILL OF MATERIAL (CULVERT)

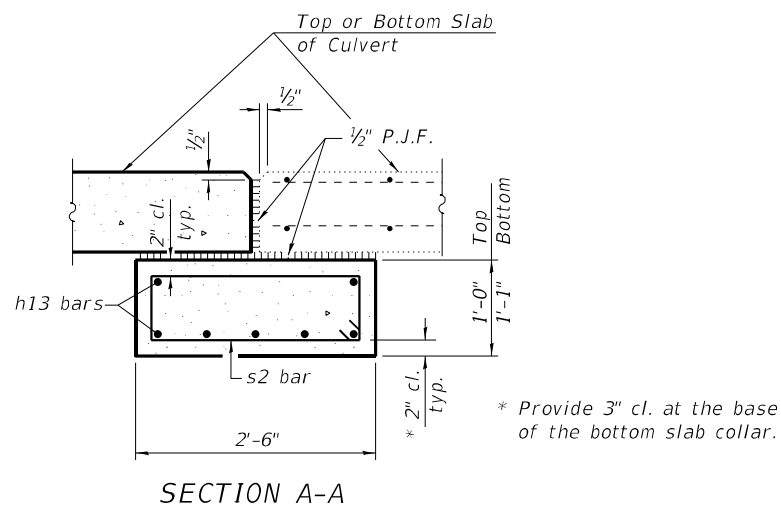
ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	62
Filter Fabric	Sq. Yd.	62
Removal of Existing Structures	Each	1
Reinforcement Bars	Pound	37,090
Concrete Box Culverts	Cu. Yd.	148.2
Membrane Waterproofing System for Buried Structures	Sq. Yd.	221.5
Structural Repair of Concrete (Depth Equal to or less than 5 inches)	Sq. ft.	138

TOTAL BILL OF MATERIAL (RETAINING WALLS)

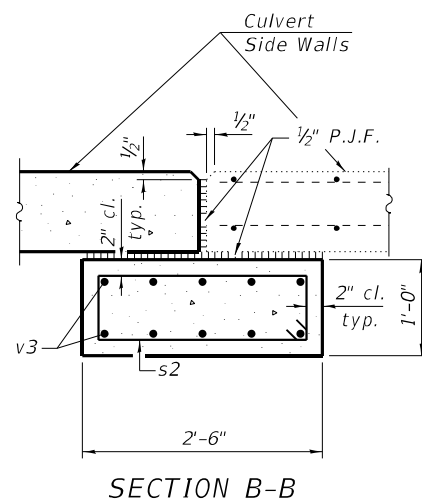
ITEM	UNIT	TOTAL
Concrete Structures	Cu. Yd.	21.8
Reinforcement Bars	Pound	1,240
Permanent Sheet Piling	Sq. ft.	3,951



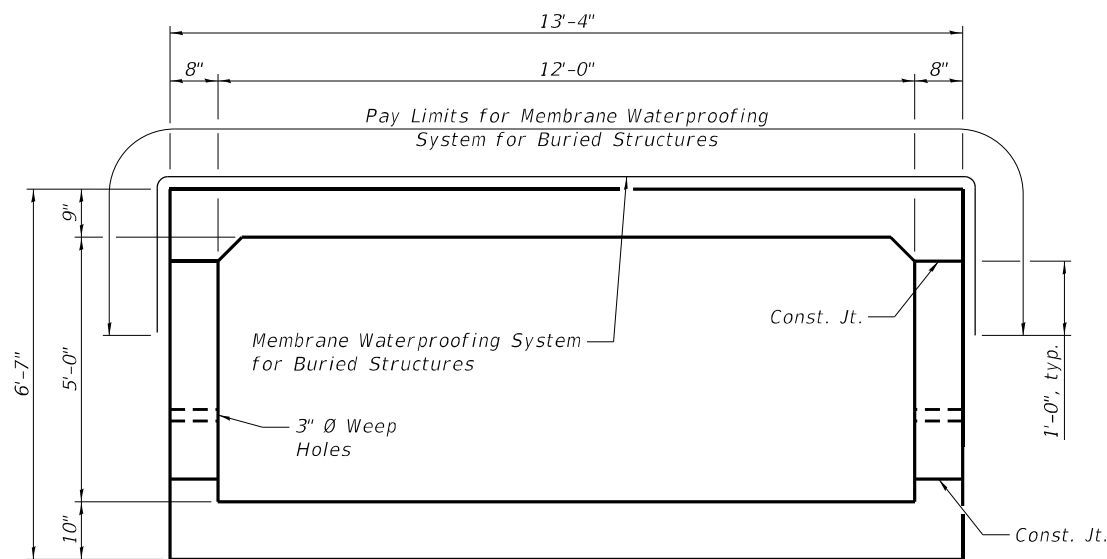
SECTION THRU BOX AT SETTLEMENT COLLAR



SECTION A-A

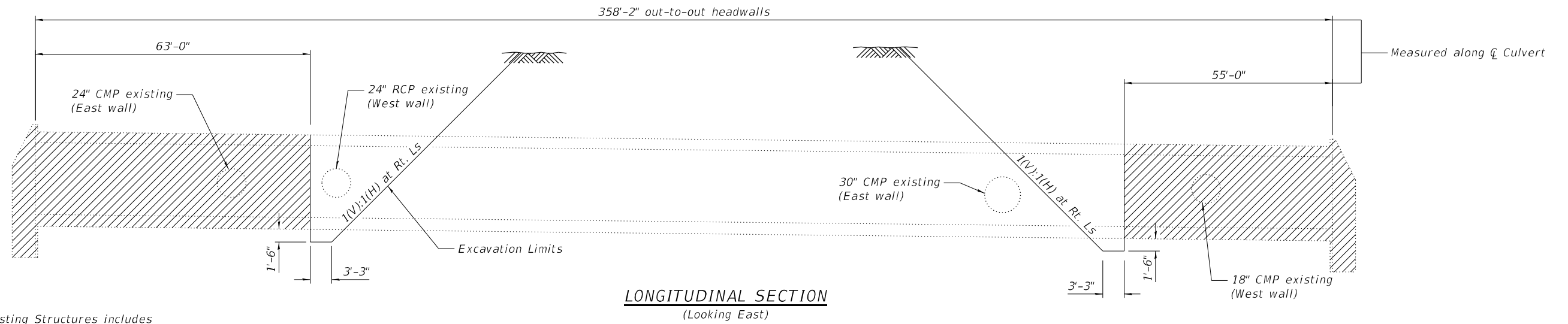


SECTION B-B

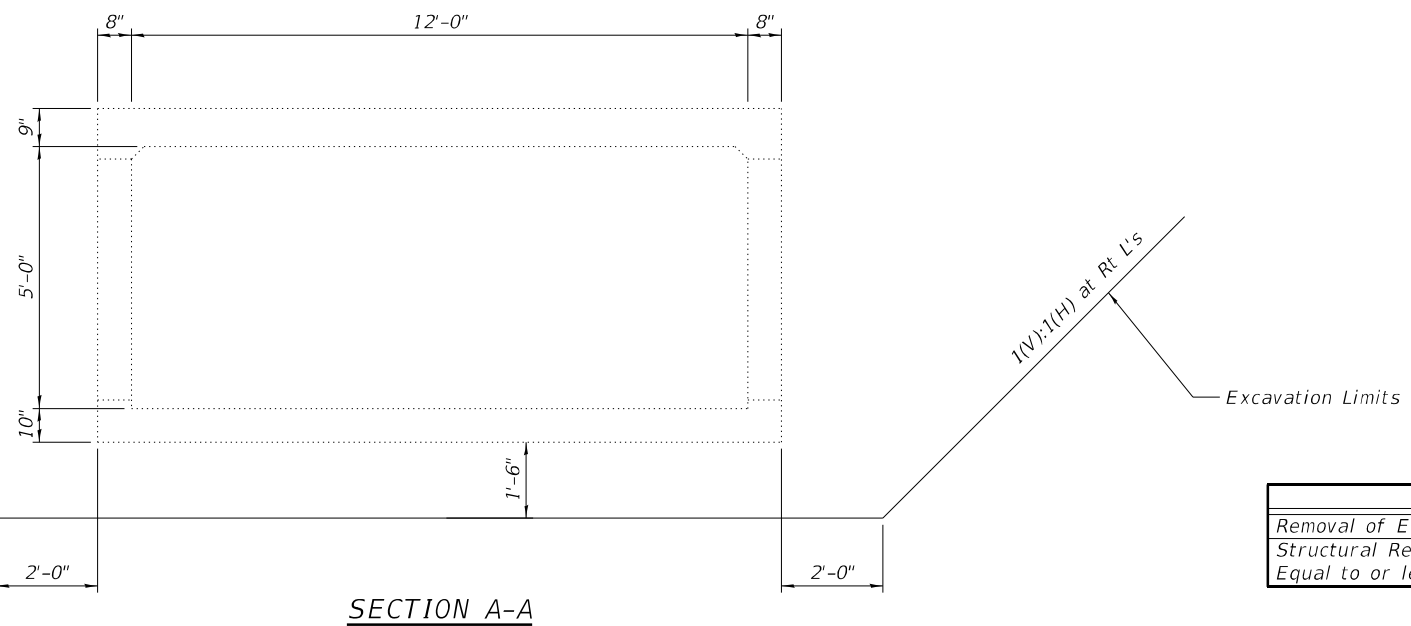
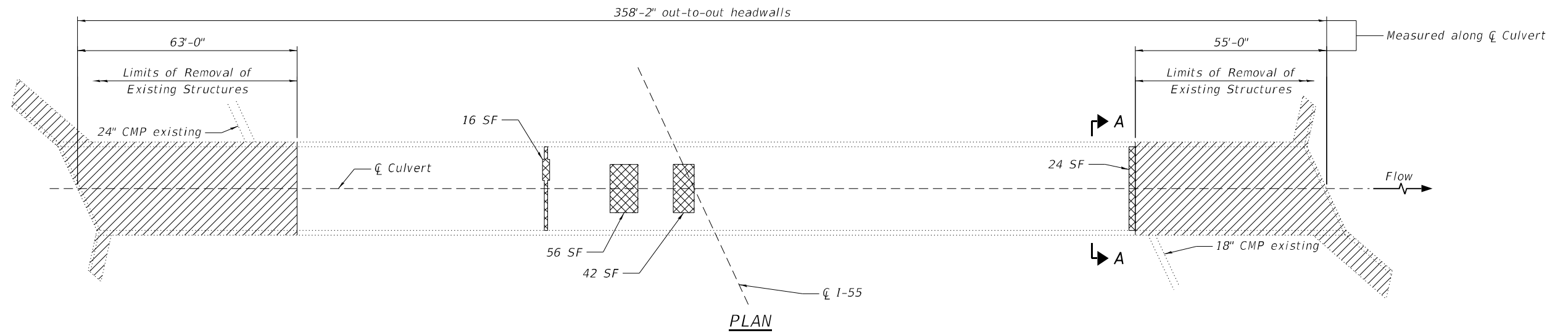


SECTION THRU BARREL
(Dimensions at right angle to barrel)

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Note:
Removal of Existing Structures includes each end of culvert to limits shown.



LEGEND

- Structural Repair of Concrete at underside of Top Slab shown (Depth equal to or less than 5 inches)
- Removal of Existing Structures

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Structural Repair of Concrete (Depth Equal to or less than 5 inches)	Sq. ft.	138

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Springfield, Illinois

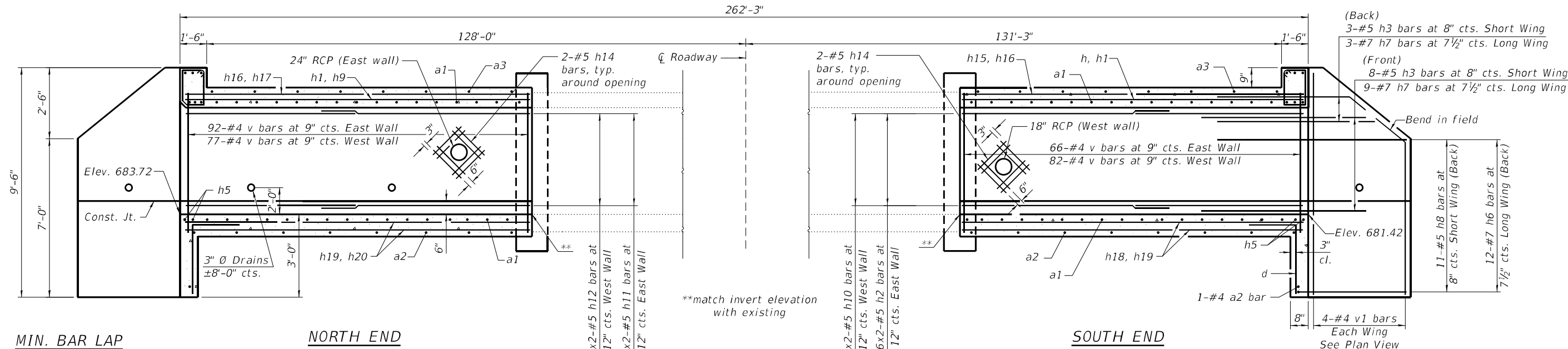
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PLOT SCALE =	DRAWN - AJF	REVISED -
PLOT DATE = 1/23/2024	CHECKED - CZ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS
STRUCTURE NO. 022-0513

SHEET 3 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	28
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				



MIN. BAR LAP
#4 bar = 2'-3"

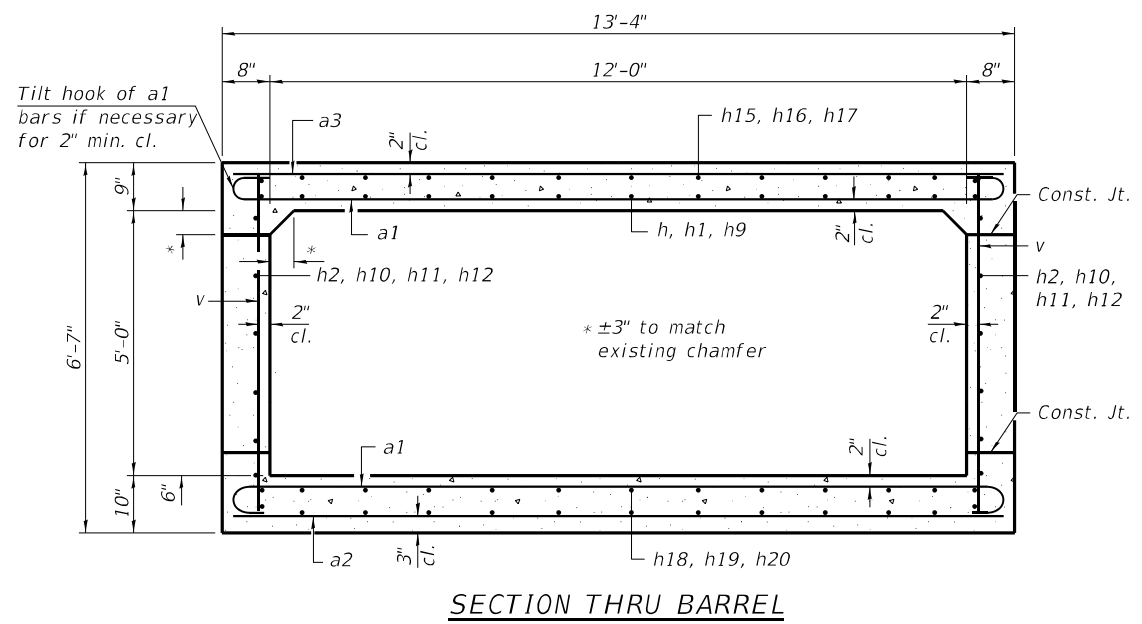
NORTH END

SOUTH END

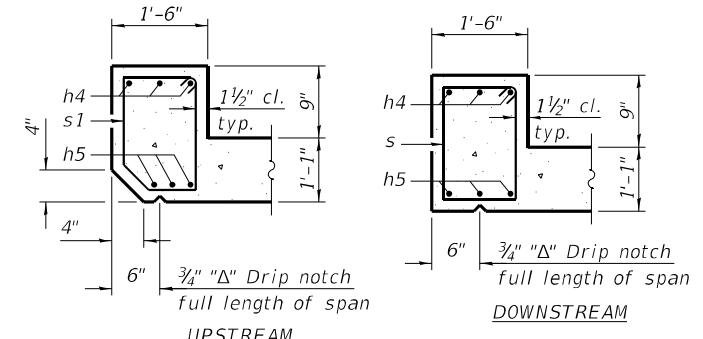
LONGITUDINAL SECTION
(Dimensions at Rt. L's to ζ Roadway)

BILL OF MATERIAL

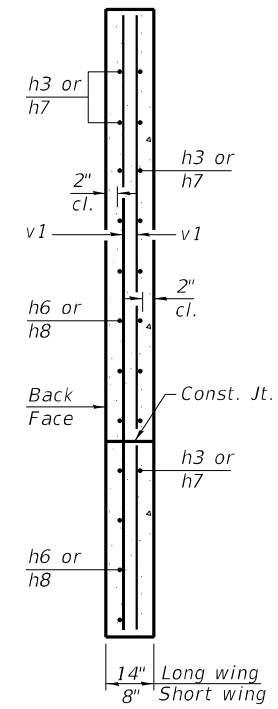
Bar	No.	Size	Length	Shape
a1	462	#8	14'-10"	U
a2	60	#4	13'-0"	—
a3	78	#5	13'-0"	—
d	26	#4	4'-3"	L
h	13	#8	33'-4"	—
h1	13	#8	49'-4"	—
h2	12	#5	25'-8"	—
h3	22	#5	7'-6"	—
h4	6	#6	15'-10"	—
h5	10	#9	15'-10"	—
h6	24	#7	18'-5"	—
h7	24	#7	10'-4"	—
h8	22	#5	9'-7"	—
h9	13	#8	41'-4"	—
h10	12	#5	31'-3"	—
h11	12	#5	35'-3"	—
h12	12	#5	29'-8"	—
h13	28	#8	15'-1"	—
h14	16	#5	4'-0"	—
h15	13	#4	33'-4"	—
h16	13	#4	49'-4"	—
h17	13	#4	41'-4"	—
h18	24	#5	33'-4"	—
h19	24	#5	49'-4"	—
h20	24	#5	41'-4"	—
s	17	#4	6'-5"	—
s1	17	#4	6'-3"	—
s2	96	#4	6'-5"	—
v	333	#4	6'-3"	—
v1	16	#4	9'-2"	—
v2	40	#8	4'-8"	L
v3	40	#8	8'-6"	L
Concrete Box Culverts			Cu. Yd.	148.2
Reinforcement Bars			Pound	37,090



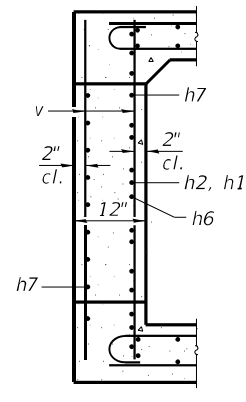
SECTION THRU BARREL



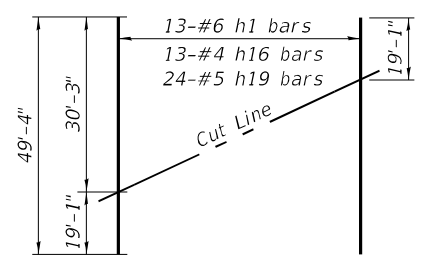
SECTION THRU HEADWALL



SECTION A-A



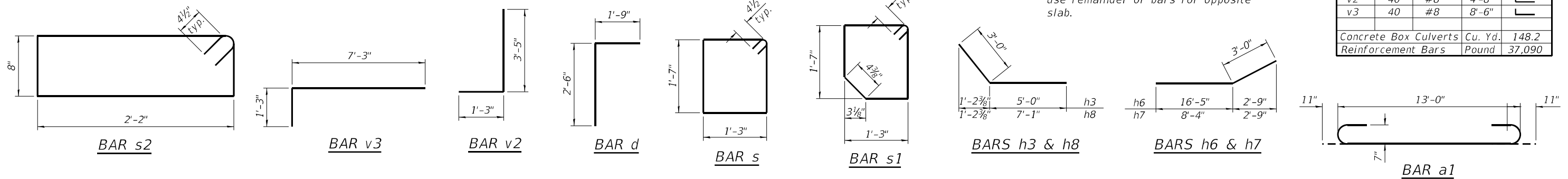
SECTION B-B



FIELD CUTTING DIAGRAM

Order h1, h16, h19 bars full length.
Cut as shown for top slab and use remainder of bars for opposite slab.

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 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
Cut reinforcement bars to clear pipes.
1/2" PJF shall be provided for the pipe passing through the wall.



(Sheet 2 of 2)

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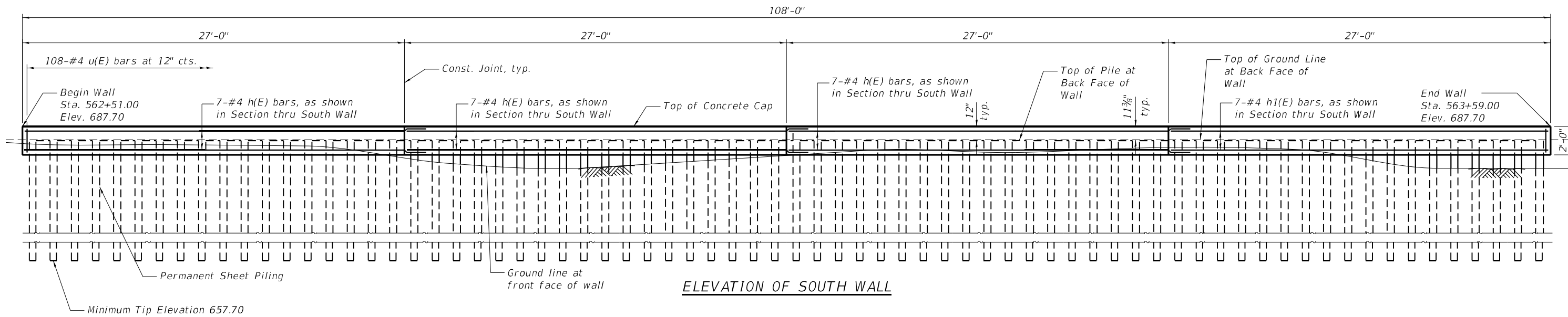
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

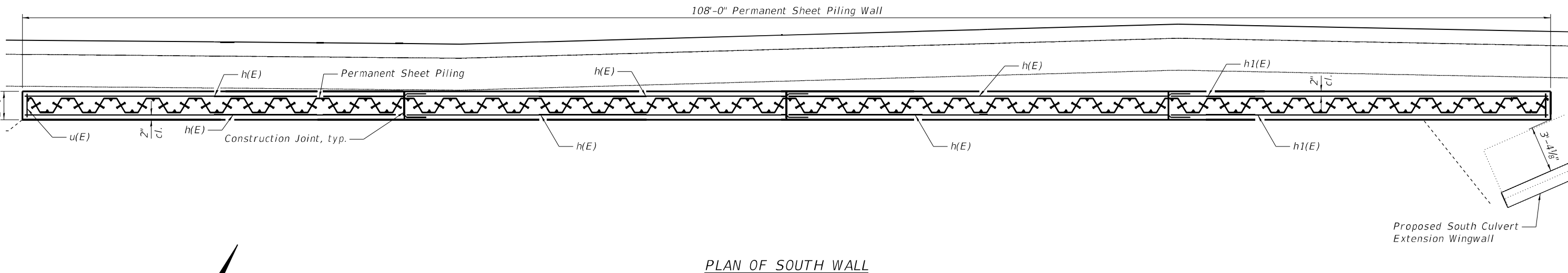
CULVERT DETAILS
STRUCTURE NO. 022-0513

SHEET 5 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	30
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				



MIN. BAR LAP
#4 bar = 2'-11"



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Springfield, Illinois

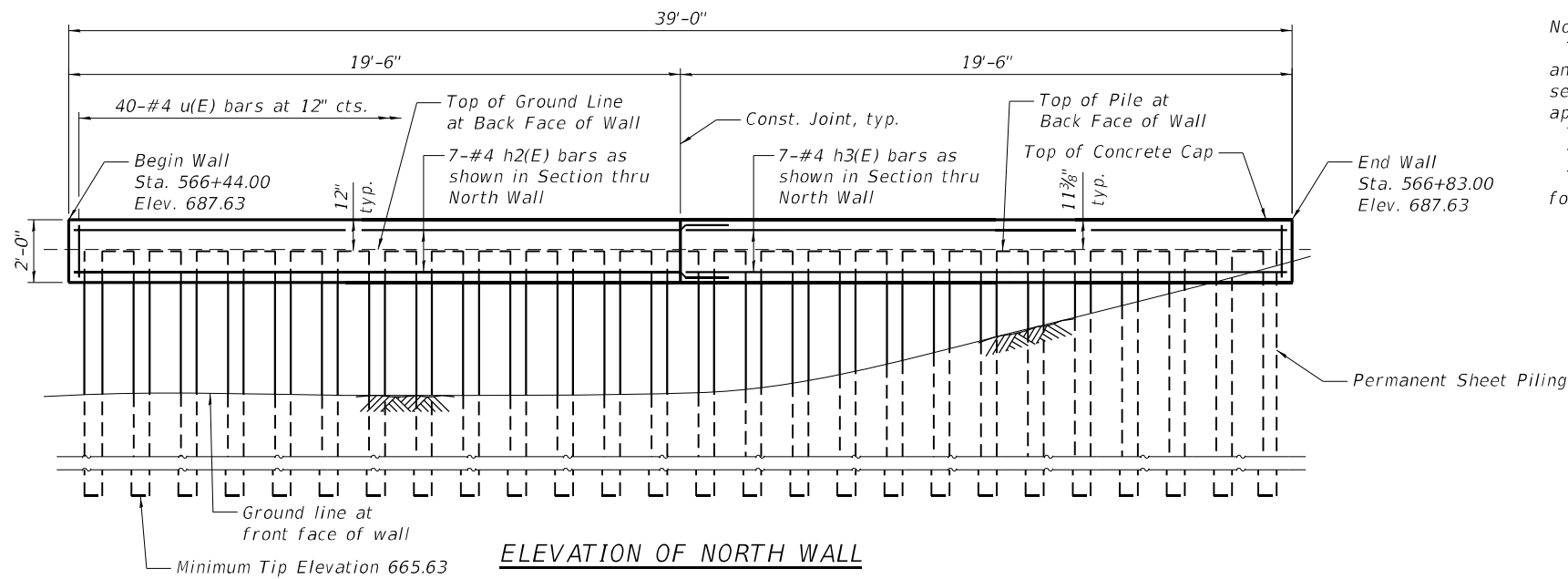
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

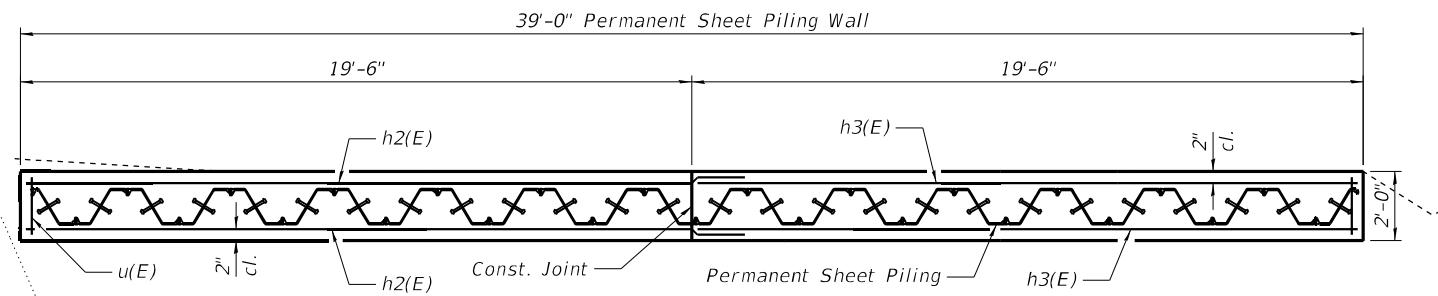
**SOUTH WALL DETAILS
STRUCTURE NO. 022-0513**

SHEET 6 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	31
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				

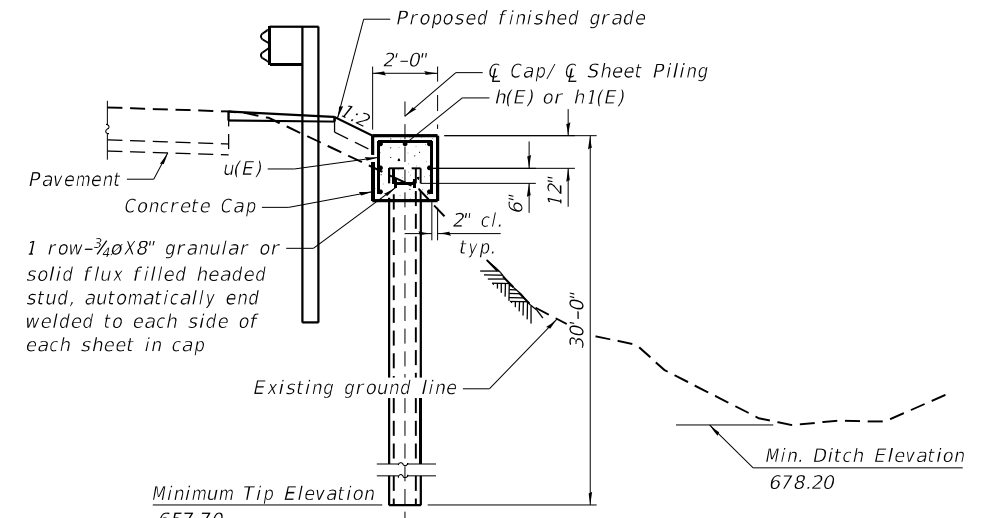


ELEVATION OF NORTH WALL

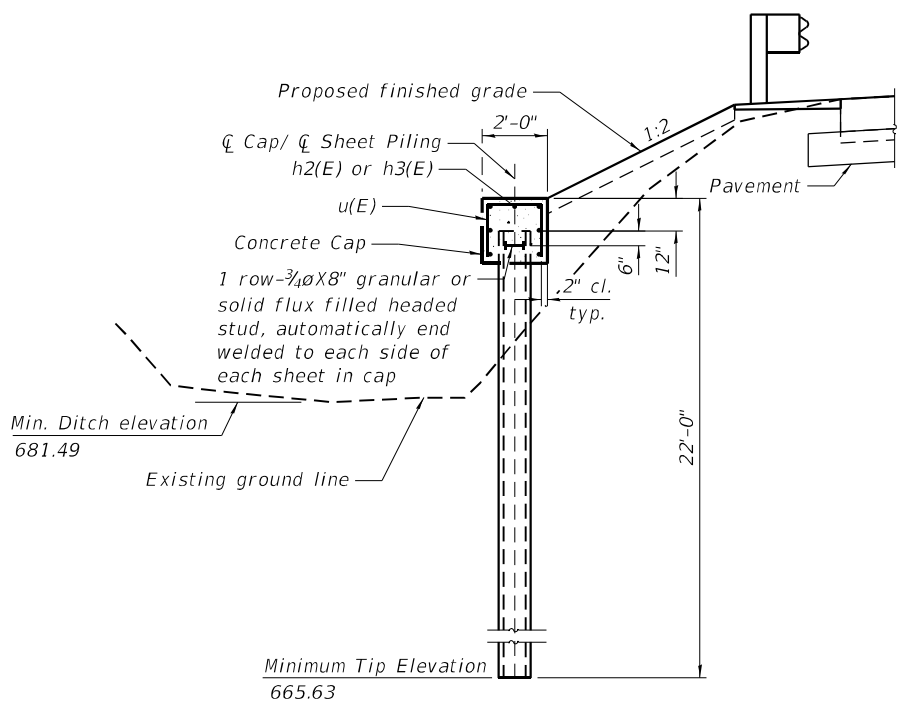


PLAN OF NORTH WALL

Notes:
 The details for the concrete cap and reinforcement are based on section PZ22 for North wall and PZ27 for South wall sheet piling. If the Contractor chooses to use a different sheet pile section, then the Contractor shall submit revised concrete cap and reinforcement details for approval by the Engineer. Such changes shall not be cause for additional compensation.
 The quantity of concrete for the sheet piling cap is included in Concrete Structures.
 The cost of furnishing and installing the studs is included in Permanent Sheet Piling.
 The minimum section modulus of the permanent steel sheet piling shall be 6.7 in³/ft for North wall and 12.2 in³/ft for South wall.



TYPICAL SECTION THRU SOUTH WALL

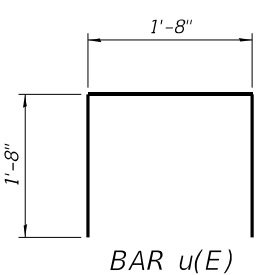


TYPICAL SECTION THRU NORTH WALL

MIN. BAR LAP
 #4 bar = 2'-11"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	21	#4	30'-0"	—
h1(E)	7	#4	26'-8"	—
h2(E)	7	#4	22'-5"	—
h3(E)	7	#4	19'-2"	—
u(E)	148	#4	5'-0"	□
Concrete Structures		Cu. Yd.	21.8	
Reinforcement Bars, Epoxy Coated		Pound	1,240	
Permanent Sheet Piling		Sq. Ft.	3,951	



BAR u(E)

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		CHECKED - CZ	REVISED -
	PLOT SCALE =	DRAWN - AJF	REVISED -
	PLOT DATE = 1/23/2024	CHECKED - CZ	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

NORTH WALL DETAILS
 STRUCTURE NO. 022-0513
 SHEET 7 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	32
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				

Wang Engineering
wangeng@wangeng.com

BORING LOG SB-1

WEI Job No.: KE225150 (555-17-07)

Datum: NAVD 88
Elevation: 688.13 ft
North: 1846600.73 ft
East: 1086528.27 ft
Station: 562+04.28
Offset: 121.31 RT

Client: IDOT Dist One PTB 196-017 WO 7
Project: I-55 Frontage Rd over Sawmill Creek
Location: DuPage County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
687.6	6-inch thick ASPHALT --PAVEMENT--												
	Medium dense, brown SANDY GRAVEL, damp		1	8 11 3	NP	6				11	4 7 8	2.05	13
	--BASE COURSE--												
685.1	Stiff, black and gray SILTY CLAY, damp		2	4 5 5	1.56	23				12	6 8 8	2.30	11
	--BURIED TOPSOIL--												
682.6	Stiff, brown and gray SILTY CLAY, damp		3	2 3 5	1.48	25							
	--RDR 2--												
680.1	Stiff to hard, brown to gray SILTY CLAY LOAM to SILTY LOAM, trace gravel, damp		4	6 6 8	4.35	15							
	--RDR 2--												
	Stiff to hard, brown to gray SILTY CLAY LOAM to SILTY LOAM, trace gravel, damp		5	6 10 13	NA	15							
	--RDR 2-3--												
			6	6 6 8	4.35	11							
			7	6 8 8	NR								
			8	3 6 7	1.89	13							
			9	3 4 5	2.21	13							
			10	4 5 7	2.05	13							

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	06-22-2022	Complete Drilling	06-22-2022	While Drilling	DRY
Drilling Contractor	Wang Testing Services	Drill Rig	20D501 [80%]	At Completion of Drilling	DRY
Driller	RR&JD	Logger	L. Varzaru	Time After Drilling	NA
Checked by	J. Bensen	Depth to Water	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion				

Wang Engineering
wangeng@wangeng.com

BORING LOG SB-2

WEI Job No.: KE225150 (555-17-07)

Datum: NAVD 88
Elevation: 688.42 ft
North: 1846641.83 ft
East: 1086613.53 ft
Station: 562+98.83
Offset: 119.83 RT

Client: IDOT Dist One PTB 196-017 WO 7
Project: I-55 Frontage Rd over Sawmill Creek
Location: DuPage County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
687.3	7-inch thick ASPHALT --PAVEMENT--												
	Medium dense, brown SANDY GRAVEL, damp		1	7 8 7	7.22	23				11	4 6 6	1.72	14
	--BASE COURSE--												
685	Hard, brown SILTY CLAY, trace gravel, damp		2	3 3 3	2.71	22				12	4 7 8	1.56	12
	--FILL--												
682.9	Very stiff, black SILTY CLAY, damp		3	13 22 13	3.12	28							
	--RDR 2--												
680.4	Very stiff, brown SILTY CLAY to CLAY, trace gravel, damp		4	4 7 5	3.12	15							
	--RDR 2-3--												
	Stiff to hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel, damp to moist		5	3 3 7	NA								
	--RDR 2--												
	--sandy gravel seams; wet												
			6	6 5 5	4.67	12							
			7	4 7 7	4.02	12							
			8	4 6 7	3.28	12							
			9	6 5 5	1.80	13							
			10	4 6 7	1.31	14							

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	06-22-2022	Complete Drilling	06-22-2022	While Drilling	10.00 ft
Drilling Contractor	Wang Testing Services	Drill Rig	20D501 [80%]	At Completion of Drilling	25.00 ft
Driller	RR&JD	Logger	L. Varzaru	Time After Drilling	NA
Checked by	J. Bensen	Depth to Water	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion				

Wang Engineering
wangeng@wangeng.com

BORING LOG SB-3

WEI Job No.: KE225150 (555-17-07)

Datum: NAVD 88
Elevation: 688.76 ft
North: 1846683.91 ft
East: 1086704.95 ft
Station: 563+98.57
Offset: 120.02 RT

Client: IDOT Dist One PTB 196-017 WO 7
Project: I-55 Frontage Rd over Sawmill Creek
Location: DuPage County, Illinois

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
688.3	6-inch thick ASPHALT --PAVEMENT--												
	Loose to medium dense, brown SANDY GRAVEL, damp to moist		1	7 12 11	NP	6				11	6 6 6	1.48	14
	--RDR 2--												
685.8	Stiff, black CLAY, moist		2	3 3 2	NP	6				12	8 6 11	2.87	14
	--BURIED TOPSOIL--												
682.3	Stiff, black CLAY, moist		3	4 2 3	1.50	32							
	--RDR 2--												
680.8	Medium stiff, brown and gray SILTY CLAY to CLAY, trace gravel, damp		4	6 4 3	0.74	23							
	--RDR 2--												
678.3	Stiff to hard, brown to gray SILTY CLAY LOAM to SILTY LOAM, trace gravel, damp to moist		5	11 4 5	2.38	16							
	--RDR 2--												
	--L ₁ (%)=25, P ₁ (%)=14												
	--%Gravel=5.3--												
	--%Sand=25.6--												
	--%Silt=49.9--												
	--%Clay=19.3--												
	--A-6 (6)--												
			6	3 7 8	2.30	13							
			7	3 6 7	3.94	12							
			8	3 6 7	3.12	12							
			9	6 6 8	3.94	11							
			10	5 7 10	4.35	12							

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	06-22-2022	Complete Drilling	06-22-2022	While Drilling	DRY
Drilling Contractor	Wang Testing Services	Drill Rig	20D50T [80%]	At Completion of Drilling	DRY
Driller	RR&JD	Logger	L. Varzaru	Time After Drilling	NA
Checked by	J. Bensen	Depth to Water	NA		
Drilling Method	2.25" ID HSA; boring backfilled upon completion				

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USER NAME =	DESIGNED - MS	REVISED -
PLOT SCALE =	CHECKED - CZ	REVISED -
PLOT DATE = 1/23/2024	DRAWN - AJF	REVISED -
	CHECKED - CZ	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS
STRUCTURE NO. 022-0513**

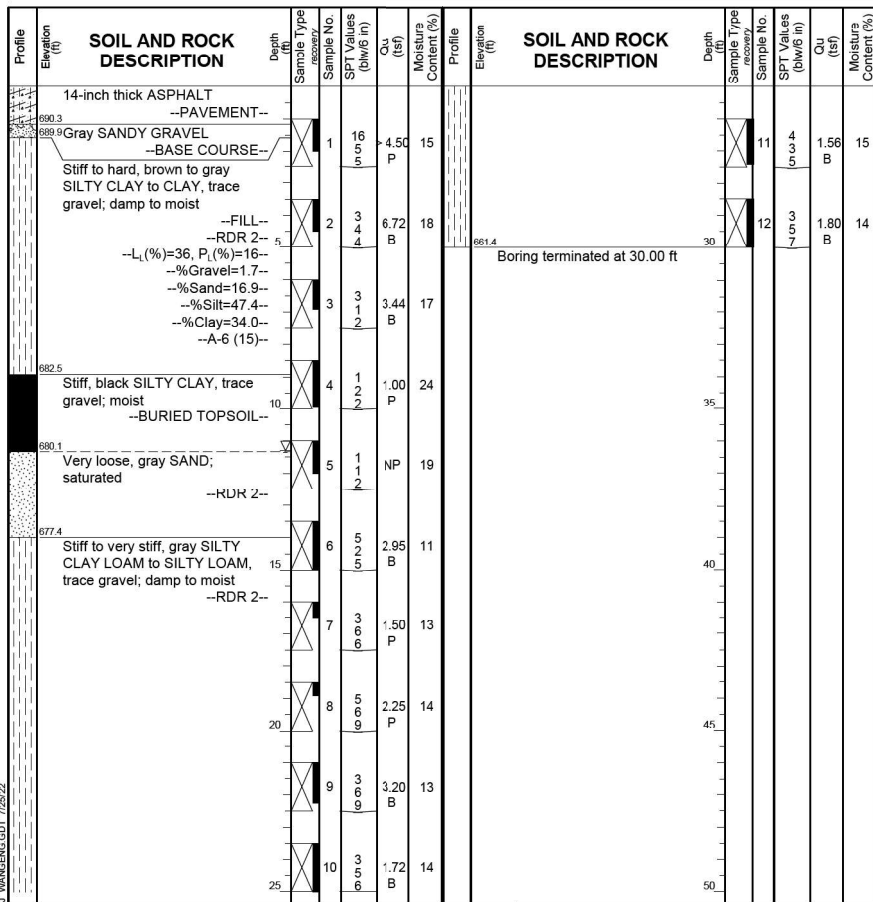
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	33
CONTRACT NO. 62P06				
SHEET 8 OF 10 SHEETS		ILLINOIS FED. AID PROJECT		

(Sheet 1 of 3)

Wang Engineering
wangeng@wangeng.com
Telephone:
Fax:

BORING LOG SB-4
WEI Job No.: KE225150 (555-17-07)
Client: IDOT Dist One PTB 196-017 WO 7
Project: I-55 Frontage Rd over Sawmill Creek
Location: DuPage County, Illinois

Datum: NAVD 88
Elevation: 691.44 ft
North: 1846762.02 ft
East: 1086745.62 ft
Station: 564+69.27
Offset: 66.21 RT



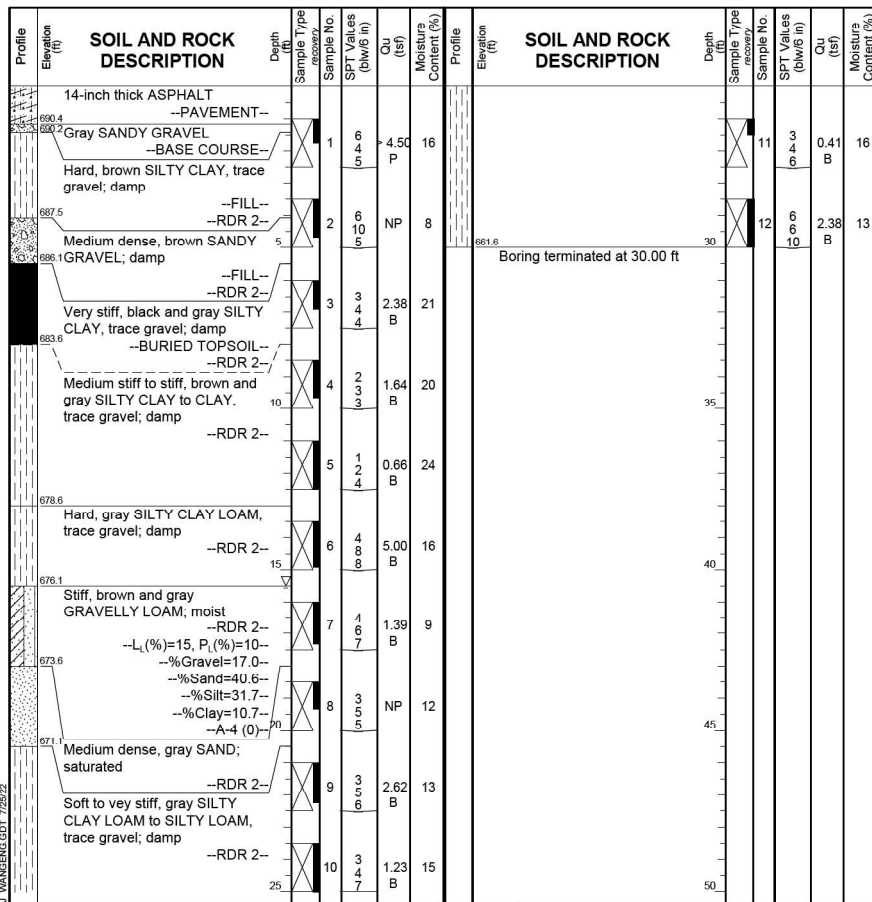
GENERAL NOTES
Begin Drilling 07-07-2022 Complete Drilling 07-07-2022
Drilling Contractor Wang Testing Services Drill Rig 17B571 [91%]
Driller KS&PH Logger L. Varzaru Checked by J. Bensen
Drilling Method 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA
While Drilling 11.30 ft
At Completion of Drilling DRY
Time After Drilling NA
Depth to Water NA

Wang Engineering
wangeng@wangeng.com
Telephone:
Fax:

BORING LOG SB-5
WEI Job No.: KE225150 (555-17-07)
Client: IDOT Dist One PTB 196-017 WO 7
Project: I-55 Frontage Rd over Sawmill Creek
Location: DuPage County, Illinois

Datum: NAVD 88
Elevation: 691.59 ft
North: 1846910.23 ft
East: 1086759.11 ft
Station: 565+43.75
Offset: 62.64 LT



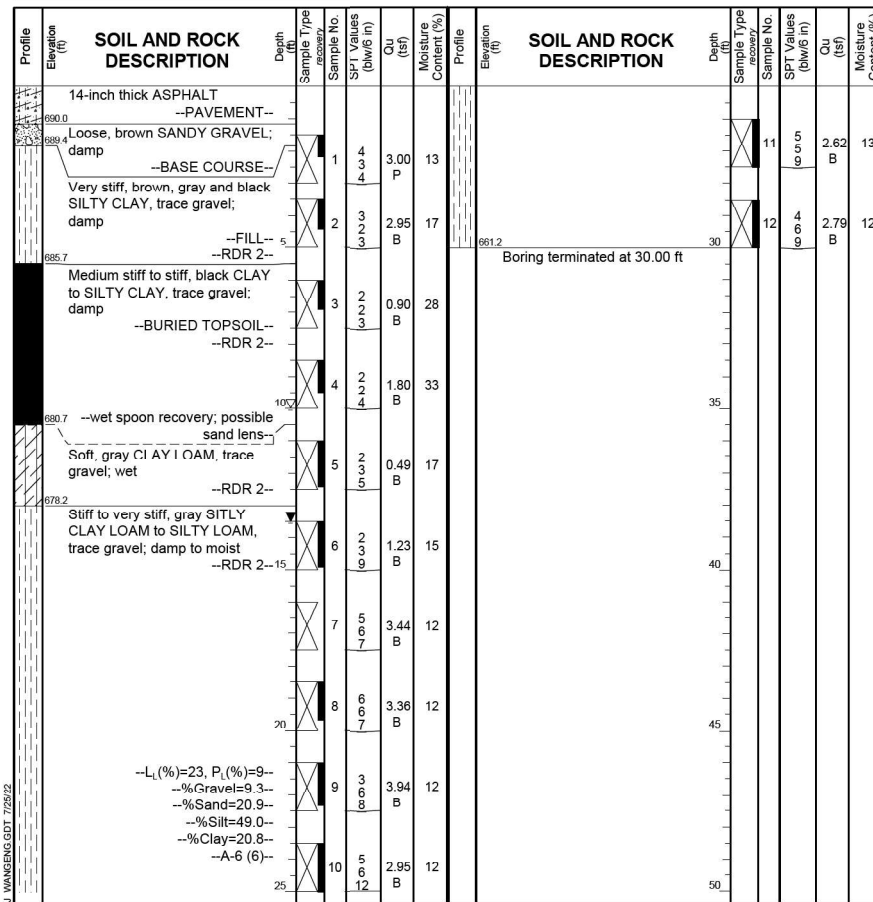
GENERAL NOTES
Begin Drilling 07-07-2022 Complete Drilling 07-07-2022
Drilling Contractor Wang Testing Services Drill Rig 17B571 [91%]
Driller KS&PH Logger L. Varzaru Checked by J. Bensen
Drilling Method 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA
While Drilling 15.50 ft
At Completion of Drilling DRY
Time After Drilling NA
Depth to Water NA

Wang Engineering
wangeng@wangeng.com
Telephone:
Fax:

BORING LOG SB-6
WEI Job No.: KE225150 (555-17-07)
Client: IDOT Dist One PTB 196-017 WO 7
Project: I-55 Frontage Rd over Sawmill Creek
Location: DuPage County, Illinois

Datum: NAVD 88
Elevation: 691.18 ft
North: 1847003.55 ft
East: 1086828.36 ft
Station: 566+45.78
Offset: 118.26 LT



GENERAL NOTES
Begin Drilling 06-21-2022 Complete Drilling 06-21-2022
Drilling Contractor Wang Testing Services Drill Rig 20D50T [80%]
Driller RR&JD Logger L. Varzaru Checked by J. Bensen
Drilling Method 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA
While Drilling 10.00 ft
At Completion of Drilling 13.50 ft
Time After Drilling NA
Depth to Water NA

(Sheet 2 of 3)

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PLOT DATE = 1/23/2024	DRAWN - AJF	REVISED -
	CHECKED - CZ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 022-0513

SHEET 9 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	34
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				

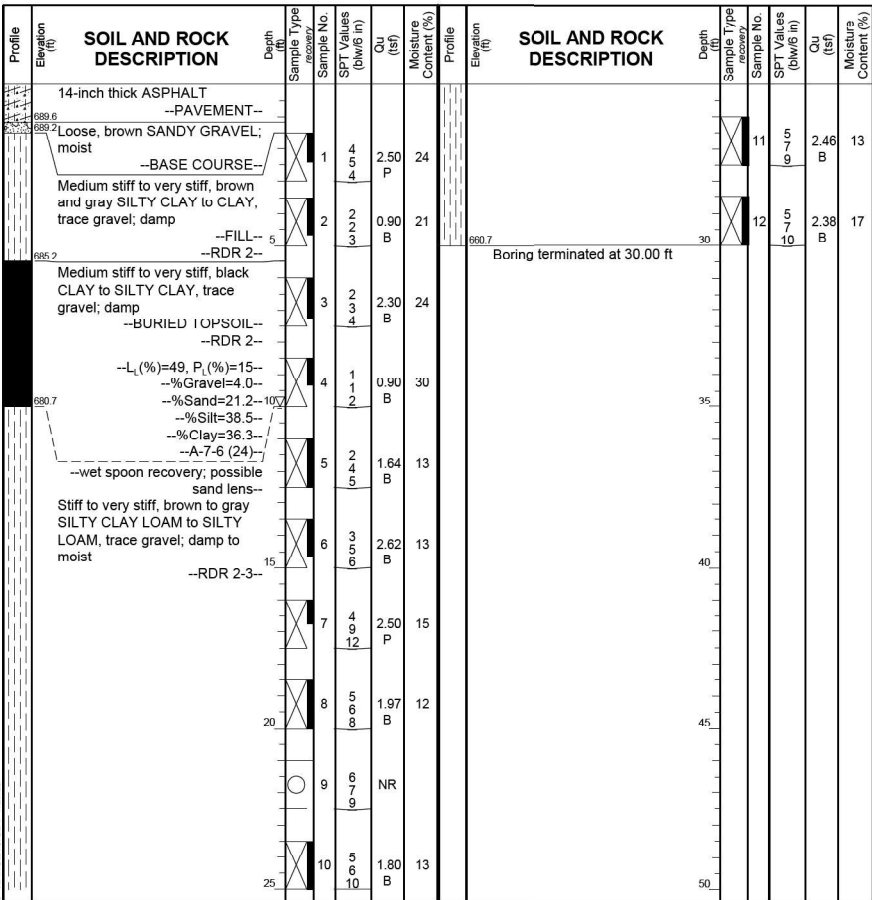
Wang Engineering
wangeng@wangeng.com

BORING LOG SB-7
WEI Job No.: KE225150 (555-17-07)

Datum: NAVD 88
Elevation: 690.74 ft
North: 1847036.16 ft
East: 1086896.79 ft
Station: 567+21.58
Offset: 119.12 LT

Client: IDOT Dist One PTB 196-017 WO 7
Project: I-55 Frontage Rd over Sawmill Creek
Location: DuPage County, Illinois

Telephone:
Fax:



GENERAL NOTES

Begin Drilling 06-21-2022 Complete Drilling 06-21-2022

Drilling Contractor Wang Testing Services Drill Rig 20D50T [80%]

Driller RR&JD Logger L. Varzaru Checked by J. Bensen

Drilling Method 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling 10.00 ft

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.

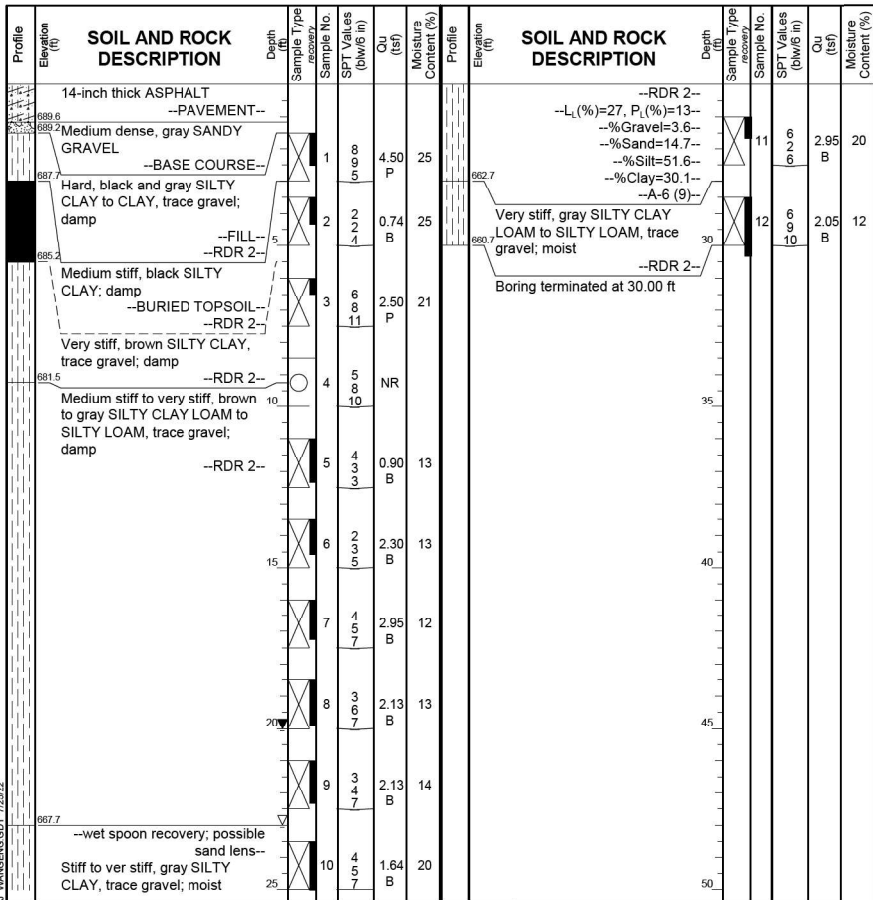
Wang Engineering
wangeng@wangeng.com

BORING LOG SB-8
WEI Job No.: KE225150 (555-17-07)

Datum: NAVD 88
Elevation: 690.74 ft
North: 1847061.01 ft
East: 1086949.25 ft
Station: 567+79.62
Offset: 119.65 LT

Client: IDOT Dist One PTB 196-017 WO 7
Project: I-55 Frontage Rd over Sawmill Creek
Location: DuPage County, Illinois

Telephone:
Fax:



GENERAL NOTES

Begin Drilling 06-21-2022 Complete Drilling 06-21-2022

Drilling Contractor Wang Testing Services Drill Rig 20D50T [80%]

Driller RR&JD Logger L. Varzaru Checked by J. Bensen

Drilling Method 2.25" ID HSA; boring backfilled upon completion

WATER LEVEL DATA

While Drilling 23.00 ft

At Completion of Drilling 20.00 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.

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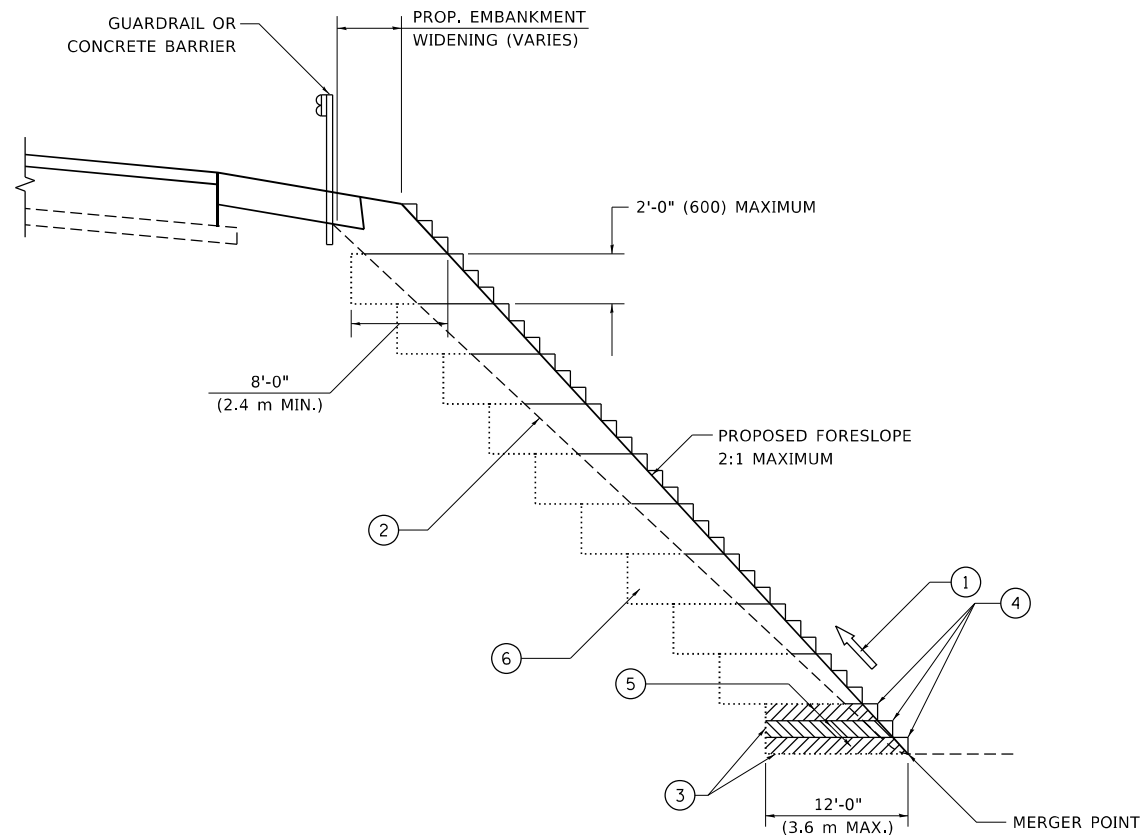
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 022-0513

SHEET 10 OF 10 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	35
CONTRACT NO. 62P06				
ILLINOIS FED. AID PROJECT				

(Sheet 3 of 3)



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

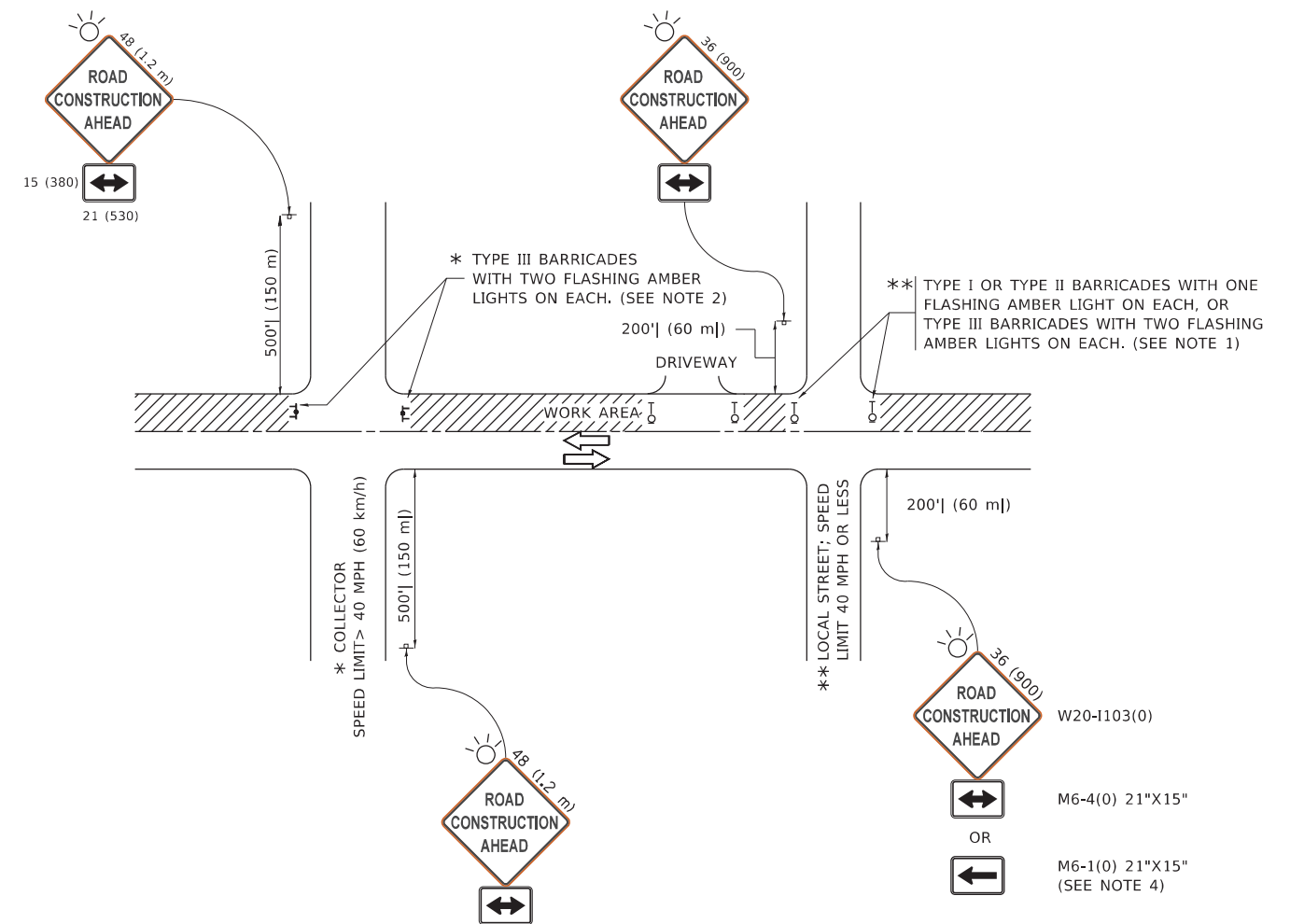
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	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BENCHING DETAIL FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	36
BD-51			CONTRACT NO. 62P06	
ILLINOIS FED. AID PROJECT				



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.
- 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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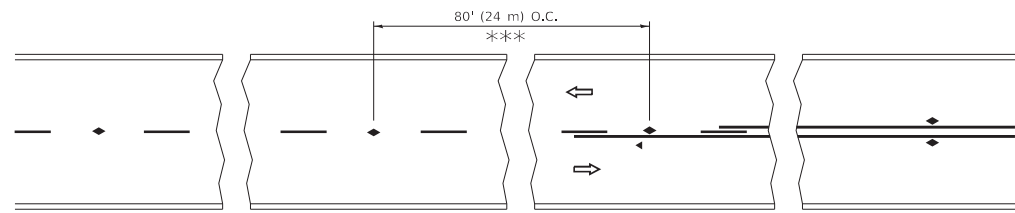
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

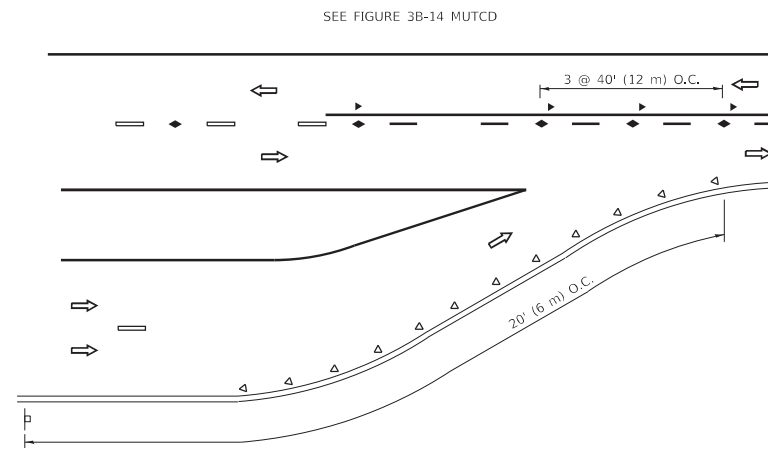
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62P06	
ILLINOIS FED. AID PROJECT				

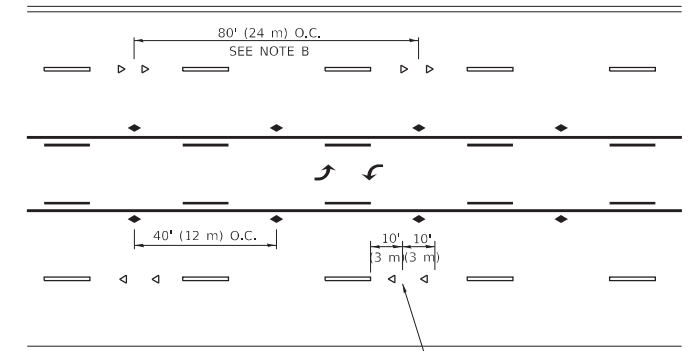


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

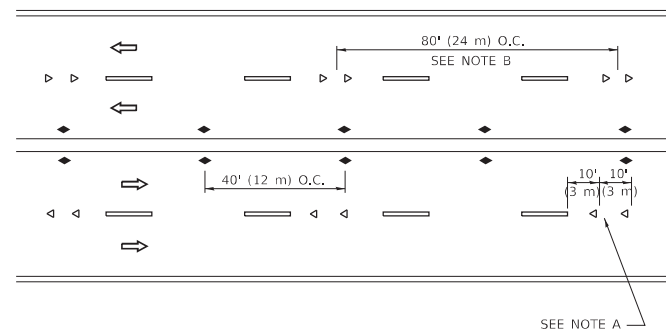
TWO-LANE/TWO-WAY



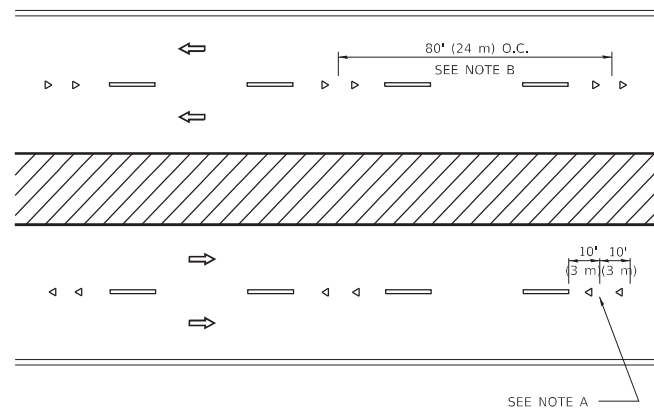
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

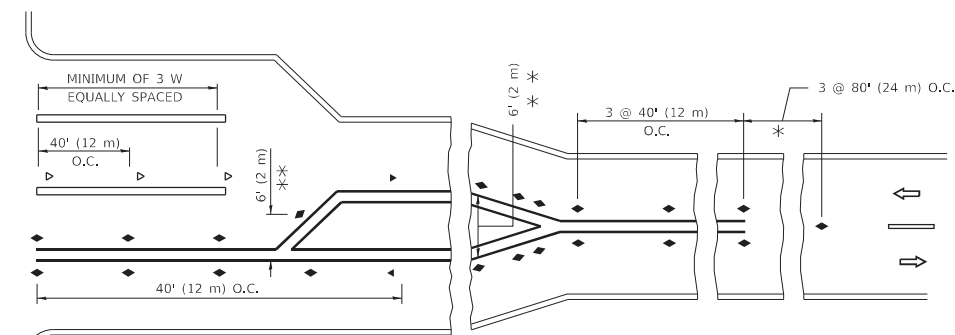
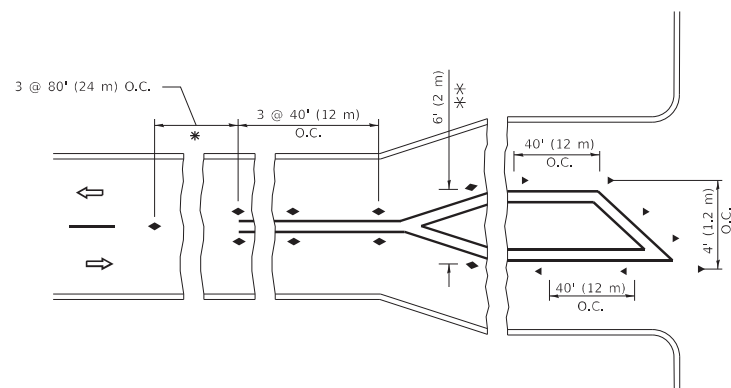
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



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

TURN LANES

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

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USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 50,0000 ' / in.	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	38
TC-11			CONTRACT NO. 62P06	
ILLINOIS		FED. AID PROJECT		

MODEL: D:\default
 FILE NAME: p:\110848E\BID\ITEG_IL\incis\pov\RWIDOT\Documents\1DOT_Offices\District 11\Projects\DIH\5422-2-34C\00Data\CAD\Sheet\TC21.dgn

ROUTE MARKERS

FOR U.S. ROUTES
M1-40-2424

FOR ILLINOIS ROUTES
M1-50-05-14

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

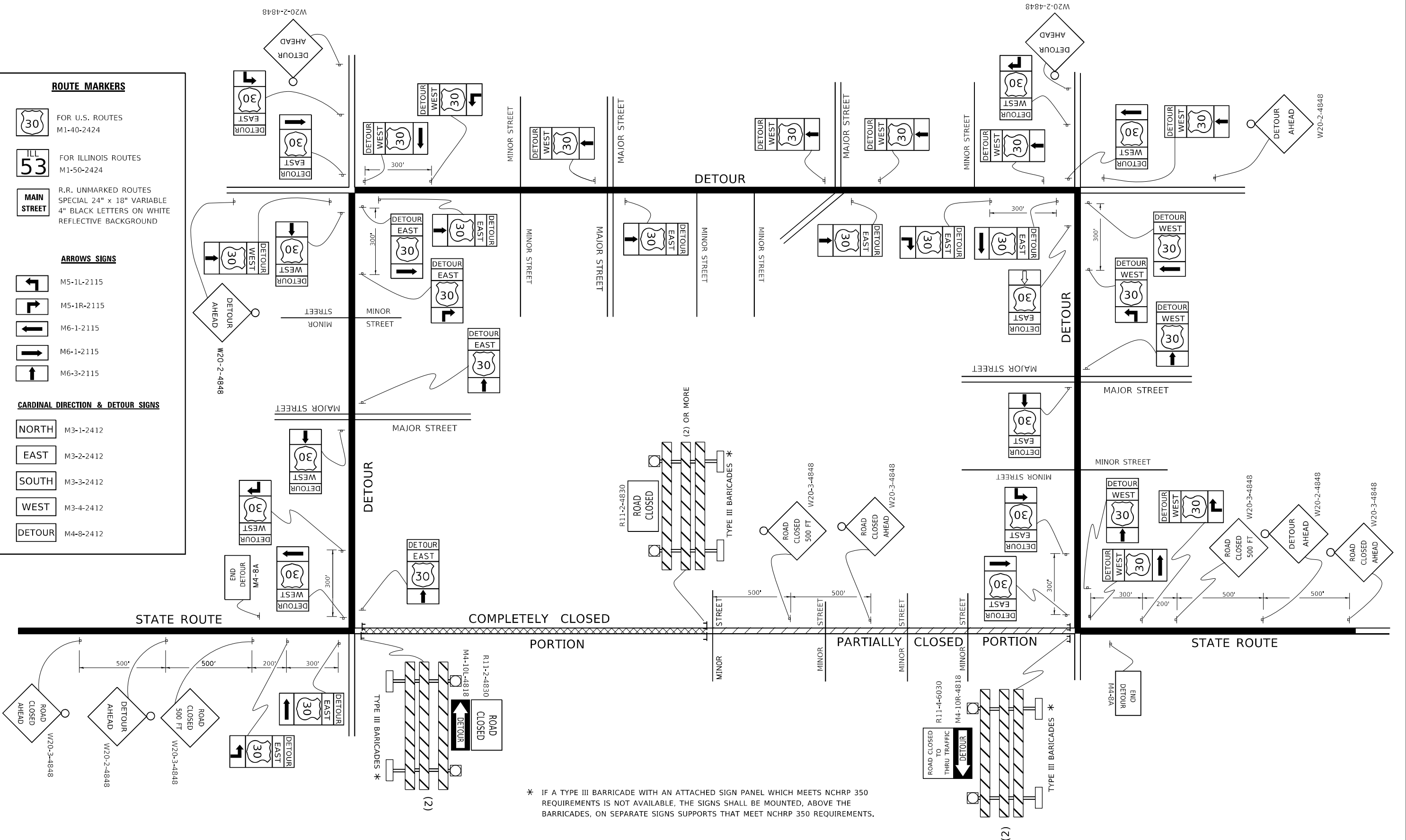
NORTH M3-1-2412

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.

USER NAME = footemj	DESIGNED -	REVISED - 10-18-02
	DRAWN -	REVISED - R. BORO 09-14-09
PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETOUR SIGNING FOR CLOSING STATE HIGHWAYS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2021-068-CR	DUPAGE	41	41
TC-21		CONTRACT NO. 62P06		
ILLINOIS FED. AID PROJECT				