

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	SECTION (1-2)RWR	WINNEBAGO	79	1
		ILLINOIS	CONTRACT NO. 64N49	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

SECTION 13
TOWNSHIP ROCKFORD

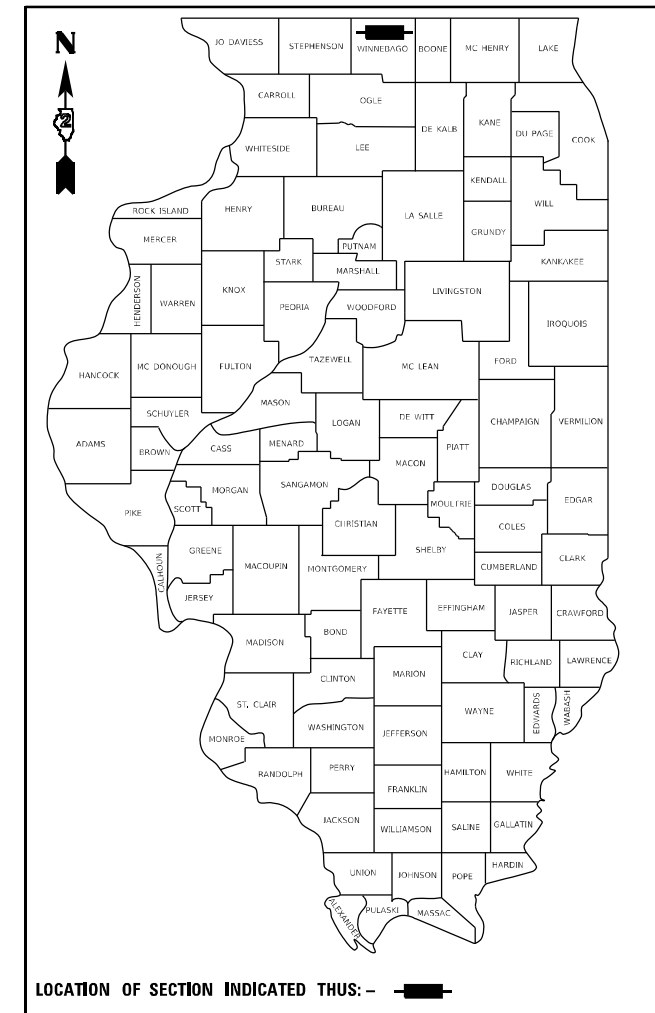
DESIGN DESIGNATION:

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RAMP POSTED SPEED LIMIT = 45 MPH
FUNCTIONAL CLASSIFICATION: OTHER PRINCIPAL ARTERIAL

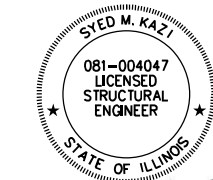
PROPOSED
HIGHWAY PLANS

FAP 303 (IL 251)
SECTION (1-2)RWR
PROJECT NHPP-NIVM(261)
RETAINING WALL REPAIR 0.3 MILES
NORTH OF AUBURN ST /SPRING CREEK RD
WINNEBAGO COUNTY

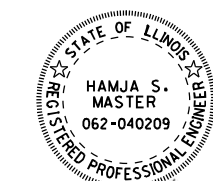
D-92-015-19



Grazyna Czyszczonek
DATE: 2/22/2021
LICENSE EXPIRES ON 11/30/2021
(CIVIL DRAWINGS)



Syed M. Kazi
DATE: 2/22/2021
LICENSE EXPIRES ON 11/30/2022
(STRUCTURAL DRAWINGS)



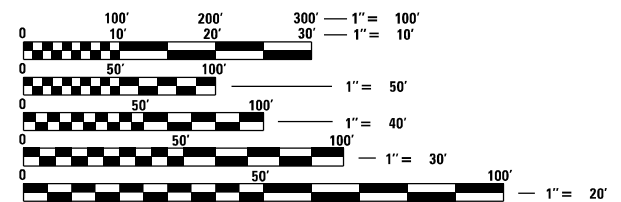
Hamja S. Master
DATE: 2/22/2021
LICENSE EXPIRES ON 11/30/2021
(LIGHTING DRAWINGS)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 03/12 2021
David Ahmed
REGIONAL ENGINEER

May 7, 2021
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

May 7, 2021
James J. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



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.

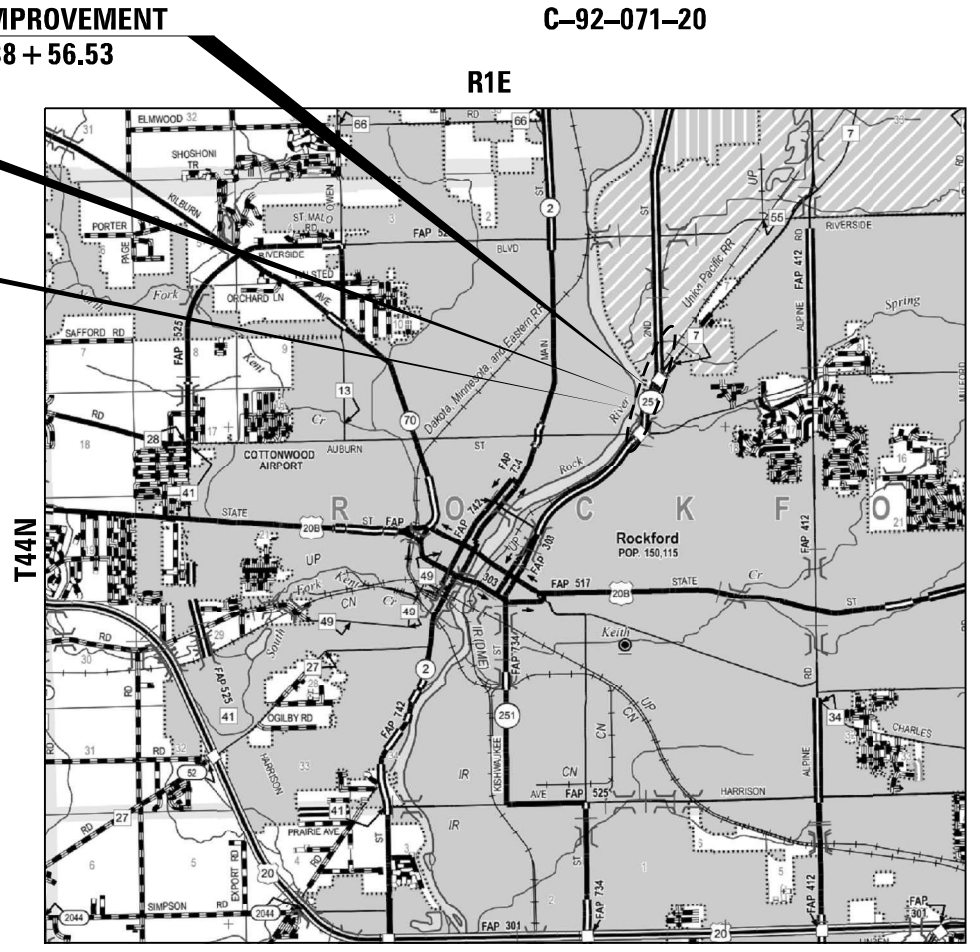
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER: FAITH DUNCAN
PROJECT MANAGER: TRACI DUDEN, TEL. 815-284-5932
TRACI.DUDEN@ILLINOIS.GOV
CONTRACT NO. 64N49

END IMPROVEMENT
STA 588 + 56.53

RETAINING WALL REPAIR
EX. STRUCTURE NO: SN 101-7001

BEGIN IMPROVEMENT
STA 579 + 57.32



LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 899.21 FT. = 0.170 MILE
NET LENGTH = 899.21 FT. = 0.170 MILE



DELTA ENGINEERING GROUP, LLC
111 W JACKSON BLVD., SUITE 910
CHICAGO, IL 60604
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INDEX OF SHEETS

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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	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
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606101-05	TYPE A GUTTER (INLET, OUTLET AND ENTRANCE)
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
635001-02	DELINEATORS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701423-10	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701602-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
821101-02	LUMINAIRE WIRING IN POLE
830001-03	LIGHT POLE ALUMINUM MAST ARM

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PLOT DATE = 3/2/2021		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
INDEX OF SHEETS, HIGHWAY STANDARDS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	2
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES:

- 7. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1A. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.
- 8. FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- 25. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:
40603592 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, N70 TON

LOCATION AND MIXTURE USE(S):	RESURFACING SURFACE
PG:	SBS PG 70-28
DESIGN AIR VOIDS	4.0 @ N70
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5
FRICTION AGGREGATE	D
20 YEAR ESAL	6.8
MIX UNIT WEIGHT	112 LBS/SY/IN
QUALITY MANAGEMENT PROGRAM TO BE USED	
SUBLOT TONNAGE	N/A

- 1) WHEN A NUMBER OF ROLLER PASSES IS SPECIFIED, THE CONTRACTOR MAY OPT TO USE INTELLIGENT COMPACTION IN LIEU OF DENSITY TESTING UNDER THE QUALITY CONTROL FOR PERFORMANCE (QCP) PROGRAM.
- 28. THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.
- 38. THIS STRUCTURE WILL RETAIN THE SAME NUMBER SN 101-7001.
- 76. THE EXCAVATED MATERIALS FROM EARTH EXCAVATION WIDENING, GRADING AND SHAPING DITCHES, AND EXCAVATING AND GRADING SHOULDERS SHALL BE USED TO BUILD UP THE SHOULDER THROUGHOUT THE JOB TO CONFORM WITH THE TYPICAL SECTIONS AND SHOULDER WIDENING FOR TERMINALS AS SHOWN ON THE PLANS.
- 80. THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (TANGENT).
- 83. DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180 AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.
- 84. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND MAINTAINING AN ELECTRONIC LOG OF ALL STAKEOUT SURVEY THAT IS PERFORMED ON THE JOB, EITHER BY HIM/HER OR ANY SUB-CONTRACTOR PERFORMING THE STAKEOUT. UPON REQUEST, ALL LOGS SHALL BE SUBMITTED TO THE DEPARTMENT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THIS WORK, BUT SHALL BE CONSIDERED INCLUDED IN THE COST FOR CONSTRUCTION LAYOUT.
- 88. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
 - 1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
 - 2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
 - 3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.
 - 4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
- 97. ALL GUTTER OUTLETS SHALL BE EXTENDED TO DITCH FLOW AS DIRECTED BY THE ENGINEER
- 102. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

NAME & PHONE NUMBER OF JULIE COMPANIES:

NICOR GAS CO.TEL.(630) 388-3019 1844 FERRY ROAD NAPERVILLE IL 60563-9600 (GAS)	IFIBER TEL. (815) 753-5798 3100 SYCAMORE ROAD DEKALB IL 60115 (FIBER)	BLUEBIRD NETWORK TEL. (847) 650-1348 1522 8TH AVE BELVIDERE IL 60018 (COMMUNICATIONS)
--	--	--

ROCK RIVER WATER RECLAMATION DISTRICT
TEL. (815) 387-7400
3501 KISHWAUKEE STREET
ROCKFORD IL 61126-7480 (SEWER)

COMCAST CABLE
TEL. (224) 229-5432
4450 KISHWAUKEE STREET
ROCKFORD IL 61109 (CATV)

AT&T
TEL. (630) 573-5465
1000 COMMERCE DRIVE
OAK BROOK IL 60523 (TELEPHONE)
COMMONWEALTH EDISON COMPANY
TEL. (630) 437-2212
123 ENERGY AVENUE
ROCKFORD IL 61109 (ELECTRIC)

NAME & PHONE NUMBER OF NOT A MEMBER OF JULIE COMPANIES:

ROCKFORD WATER DEPARTMENT
TEL.(815)967-7060
425 E. STATE STREET
ROCKFORD IL 61104 (WATER)

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815/284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

- 105. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE MUNICIPALITY TO DETERMINE APPROVED METHODS OF UTILITY STRUCTURE ADJUSTMENT. UTILITY STRUCTURES MAY INCLUDE, BUT ARE NOT LIMITED TO, MANHOLES, WATER VALVES, HANDHOLES, ETC. ALL MATERIALS AND WORK NECESSARY TO COMPLETE ADJUSTMENTS PER MUNICIPALITY REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED ADJUSTMENT PAY ITEM.
- 201. CONTRACTOR SHALL BE AWARE OF THE OVERHEAD POWER LINES IN THE VICINITY OF THE PROJECT AND ALL COORDINATION OF OUTAGES OR SHIELDING WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 202. THE EXISTING 30-INCH CONCRETE SANITARY SEWER CONVEYS WASTEWATER FROM AN AREA ROUGHLY BOUNDED BY IL ROUTE 2 /N. MAIN STREET ON THE WEST, MULFORD ROAD ON THE EAST, SPRING CREEK ROAD ON THE SOUTH, AND RIVERSIDE BOULEVARD ON THE NORTH. THIS SEWER WAS INSTALLED THROUGH EASEMENTS OBTAINED FROM A RAILWAY COMPANY IN 1929 AND TRANSPORTS AN ESTIMATED AVERAGE DAILY FLOW OF 2.5 MILLION GALLONS (MGD). DUE TO THE SIGNIFICANT AMOUNT OF FLOW AND THE MAGNITUDE OF DISRUPTION THAT WOULD BE CAUSED BY THE FAILURE OF THIS SEWER, THE ROCK RIVER WATER RECLAMATION DISTRICT WILL REQUIRE THE CONTRACTOR TO PHYSICALLY LOCATE (POT-HOLE) THE PIPE NEAR THE CLOSEST POINT OF CONSTRUCTION ACTIVITY, PRIOR TO ANY CONSTRUCTION TAKING PLACE. THE DISTRICT WILL ALSO REQUIRE THAT A 5 FEET MINIMUM HORIZONTAL SEPARATION (TWO PIPE DIAMETERS) BE MAINTAINED BETWEEN THE TEMPORARY SOIL RETENTION SYSTEM AND THE OUTSIDE WALL OF THE PIPE. LASTLY, THE DISTRICT WOULD LIKE TO REVIEW THE CONTRACTOR'S PROPOSED TEMPORARY SOIL RETENTION PLAN AND CALCULATIONS, ALONG WITH AN EMERGENCY ACTION/REPAIR PLAN IN THE EVENT THE SANITARY SEWER BECOMES COMPROMISED. THE EMERGENCY ACTION PLAN SHOULD CONTAIN ALL NECESSARY PLANNING AND PREPARATIONS NEEDED TO PROVIDE BYPASS PUMPING FOR THE TRUNK SEWER, CONTAINMENT AND PROPER DISPOSAL OF ANY WASTEWATER DISCHARGED, AND THE PROPOSED MEANS OF REPAIR FOR ANY DAMAGED SEWER. THE PLAN SHOULD INCLUDE BYPASS PIPE ROUTING AND PUMPING POINTS (SUCTION/ DISCHARGE), ANY TRAFFIC CONTROL MODIFICATIONS REQUIRED, A TIMELINE FOR THE RAPID PROCUREMENT OF MATERIALS, SUCH AS PUMPS (INCLUDING BACK-UP PUMPS), FITTINGS, HOSES, TEMPORARY PIPING, PLUGS, GENERATORS, REPAIR FITTINGS AND PIPE, AND ALL OTHER APPURTENANCES NEEDED TO REPAIR THE DAMAGED SECTION(S) OF PIPE. BASED ON THE DISTRICT'S HYDRAULIC FLOW MODELING, THE PROSPECTIVE CONTRACTOR SHOULD ANTICIPATE HAVING TO ACCOMMODATE PEAK FLOW RATES IN THE MAGNITUDE OF 5.0 MGD FOR STAGED BYPASS PUMPING PURPOSES. IT SHOULD BE NOTED THAT THE ACTUAL TRUNK SEWER FLOW RATES ARE HIGHLY VARIABLE AND DEPENDENT ON THE TIME OF YEAR, THE DURATION AND INTENSITY OF STORM EVENTS, AND THE INFLUENCES OF GROUNDWATER INFLOW/ INFILTRATION. IT IS EXPECTED THAT THE CONTRACTOR WILL COORDINATE WITH THE DISTRICT IN DEVELOPING A PLAN THAT WILL ADEQUATELY ACCOMMODATE THE POTENTIAL AMOUNT OF BYPASS PUMPING NEEDED DURING CONSTRUCTION ONCE A TENTATIVE CONSTRUCTION SCHEDULE HAS BEEN ACCEPTED BY IDOT. PRIOR TO IDOT'S PRECONSTRUCTION MEETING, THE DISTRICT WILL IDENTIFY PREFERABLE BYPASS SUCTION AND DISCHARGE POINTS TO AID THE CONTRACTOR'S PLANNING EFFORTS.
- 203. THE CONTRACTOR SHALL CONTACT KYLE GRUHN OF THE ROCK RIVER WATER RECLAMATION DISTRICT AT (815)-621-2932 FOR CONSTRUCTION OBSERVATION PRIOR TO EXCAVATING NEAR THE 30-INCH SANITARY SEWER APPROXIMATELY 68' LT OF STA. 580+74.
- 204. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE DEPARTMENT.
- 205. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND REVISED REFLECTIVE PAVEMENT 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.
- 206. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 207. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 208. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LIMITS SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 209. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD. UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- 210. FULL DEPTH SAWCUT OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE RESIDENT ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
GENERAL NOTES**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	3
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

UNION PACIFIC RAILROAD CONSTRUCTION COMMITMENTS:

1. THE RETAINING WALL PROJECT SHALL NOT INCREASE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOW IN THE RAILROAD'S DITCHES AND/OR DRAINAGE STRUCTURES.
2. THE CONTRACTOR MUST SUBMIT A TRACK AND GROUND MONITORING PLAN FOR RAILROAD REVIEW. THE ELEVATION OF THE EXISTING TOP-OF-RAIL PROFILE SHALL BE VERIFIED BEFORE BEGINNING CONSTRUCTION AND AT PROJECT CLOSING. AS DEEMED NECESSARY BY THE RAILROAD, CONTINUOUS MONITORING MAY BE REQUIRED AS WELL AS MONITORING FOR 14 DAYS AFTER CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH MONITORING AND RESTORING THE TRACK PROFILE AS NECESSARY. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE RAILROAD. FOR UPRR REQUIREMENTS ARE FOUND AT THE FOLLOWING WEB ADDRESS, REFER TO SECTION 3:

[HTTPS://WWW.UP.COM/CS/GROUPS/PUBLIC/@UPRR/@REALESTATE/DOCUMENTS/UP_PDF_NATIVE/DOCS/PDF_UP_UTIL_ABAN.PDF](https://www.up.com/cs/groups/public/@UPRR/@REALESTATE/DOCUMENTS/UP_PDF_NATIVE/DOCS/PDF_UP_UTIL_ABAN.PDF)
3. THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SEDIMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.
4. REGARDLESS OF UNDERLYING LAND OWNERSHIP, ALL SHORING SYSTEMS WITHIN RAILROAD RIGHT-OF-WAY OR THAT MAY IMPACT THE RAILROAD'S OPERATIONS AND/OR SUPPORTS THE RAILROAD'S EMBANKMENT SHALL BE DESIGNED AND CONSTRUCTED PER CURRENT RAILROAD GUIDELINES FOR TEMPORARY SHORING.
5. ALL DEMOLITIONS WITHIN THE RAILROAD'S RIGHT-OF-WAY AND/OR DEMOLITION THAT MAY IMPACT THE RAILROAD'S TRACKS OR OPERATIONS SHALL BE IN COMPLIANCE WITH THE RAILROAD'S DEMOLITION GUIDELINES. THIS INCLUDES WORK PERFORMED BY EQUIPMENT THAT HAS THE POTENTIAL TO FOUL RAILROAD TRACKS IF TIPPED.
6. ERECTION OVER OR NEAR THE RAILROAD'S RIGHT-OF-WAY SHALL BE DESIGNED TO CAUSE NO INTERRUPTION TO THE RAILROAD'S OPERATION, ENABLING THE TRACK(S) TO REMAIN OPEN TO TRAFFIC PER THE RAILROAD'S REQUIREMENTS.
7. RAILROAD REQUIREMENTS DO NOT ALLOW WORK WITHIN 50 FEET OF TRACK CENTERLINE WHEN A TRAIN PASSES THE WORK SITE AND ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT.
8. FALSE-WORK CLEARANCES SHALL COMPLY WITH MINIMUM CONSTRUCTION CLEARANCES.
9. ALL PERMANENT CLEARANCES SHALL BE VERIFIED BEFORE PROJECT CLOSING.
10. CALL BEFORE YOU DIG. PRIOR TO EXCAVATION, DISRUPTING, OR WORKING ON THE RAILROAD PROPERTY THE CONTRACTOR SHALL LOCATE AND PROTECT UPRR FACILITIES BY CALLING THE UPRR "CALL BEFORE YOU DIG"(CBYD) PHONE NUMBER: 1-800-336-9193.

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USER NAME = rmanuod	DESIGNED - DB	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
GENERAL NOTES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	4
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

URBAN

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				ROADWAY	RETAINING WALL	HIGHWAY LIGHTING
				0021 URBAN	0044 S.N. 101-7001	0021 URBAN
20200100	EARTH EXCAVATION	CU YD	77	77		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1215	1215		
25100630	EROSION CONTROL BLANKET	SQ YD	891	891		
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	324	324		
25100900	TURF REINFORCEMENT MAT	SQ YD	16	16		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	25		
28000305	TEMPORARY DITCH CHECKS	FOOT	30	30		
28000400	PERIMETER EROSION BARRIER	FOOT	664	664		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	67	67		
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	13	13		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	149	149		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	351	351		
44004250	PAVED SHOULDER REMOVAL	SQ YD	291	291		
50102400	CONCRETE REMOVAL	CU YD	78.5		78.5	

* SPECIALTY ITEM

MODEL: 440021.NMMS
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PLOT SCALE = 20.0000 "/>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	5
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				ROADWAY	RETAINING WALL	HIGHWAY LIGHTING
				0021 URBAN	0044 S.N. 101-7001	0021 URBAN
50200100	STRUCTURE EXCAVATION	CU YD	699		699	
50300300	PROTECTIVE COAT	SQ YD	607		607	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	11129		11129	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1544		1544	
52200900	CONCRETE STRUCTURES (RETAINING WALL)	CU YD	80.9		80.9	
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	370		370	
59000200	EPOXY CRACK INJECTION	FOOT	14		14	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	32		32	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	4	4		
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	528	528		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	737.5	737.5		
* 63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	62.5	62.5		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1		

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	6
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				ROADWAY	RETAINING WALL	HIGHWAY LIGHTING
				0021	0044	0021
				URBAN	S.N. 101-7001	URBAN
63200310	GUARDRAIL REMOVAL	FOOT	600	600		
63500105	DELINEATORS	EACH	1	1		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	1000	1000		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	7	7		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4		
67100100	MOBILIZATION	L SUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1		
70100315	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	EACH	1	1		
70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	1	1		
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1		
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1		

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	7
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

URBAN

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				ROADWAY	RETAINING WALL	HIGHWAY LIGHTING
				0021	0044	0021
				URBAN	S.N. 101-7001	URBAN
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	250	250		
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	2260	2260		
70300908	PAVEMENT MARKING TAPE, TYPE IV 8"	FOOT	678	678		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	962.5	962.5		
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4666	4666		
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	989	989		
* 78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	1608	1608		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	40	40		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	22	22		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	40	40		
* 81603081	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	2500			2500
* 82110008	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2			2

* SPECIALTY ITEM

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	DATE - 3/2/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	8
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				ROADWAY	RETAINING WALL	HIGHWAY LIGHTING
				0021 URBAN	0044 S.N. 101-7001	0021 URBAN
* 83008500	LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	2			2
* 84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	2			2
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2			2
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	1			1
X0100027	TEMPORARY SOIL RETENTION SYSTEM (TO REMAIN IN PLACE)	SQ FT	3031		3031	
X0322906	WEEP HOLES CORED	EACH	44		44	
X0326148	TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	2			2
* X0327234	LIGHTING UNIT IDENTIFICATION DECAL	EACH	2			2
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1198	1198		
* X1400341	REMOVAL OF LUMINARIE, SALVAGE	EACH	2			2
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1205	1205		
X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	1	1		
* X7820007	GUARDRAIL REFLECTORS, TYPE C (SPECIAL)	EACH	11	11		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	14		14	

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	9
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE
				ROADWAY	RETAINING WALL	HIGHWAY LIGHTING
				0021	0044	0021
				URBAN	S.N. 101-7001	URBAN
Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	16		16	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
* Z0025505	PROPERTY MARKERS	EACH	4	4		
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2			2
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4			4
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		

* SPECIALTY ITEM

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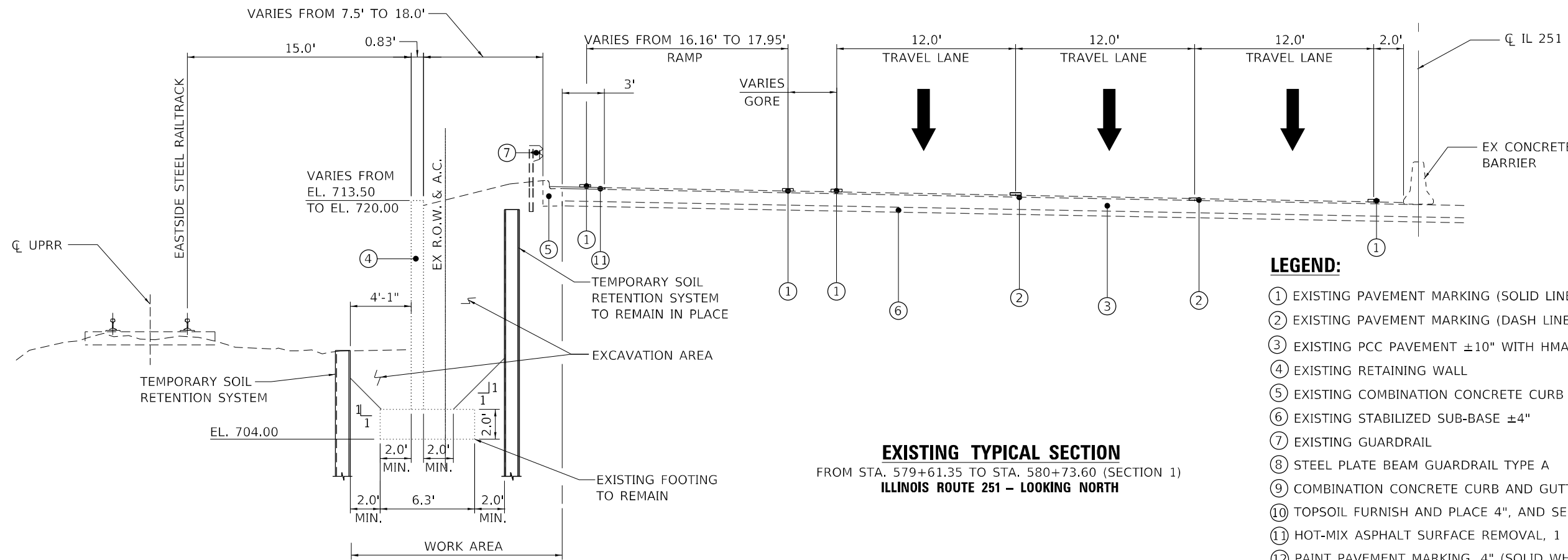
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	10
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

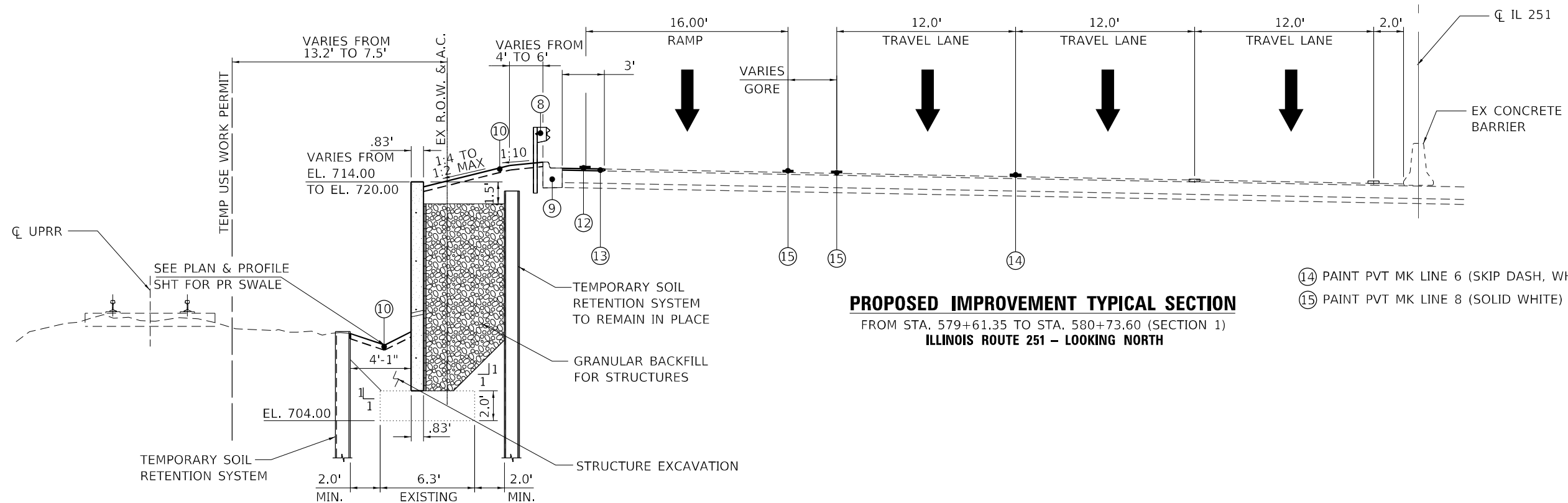
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EXISTING TYPICAL SECTION
FROM STA. 579+61.35 TO STA. 580+73.60 (SECTION 1)
ILLINOIS ROUTE 251 – LOOKING NORTH

LEGEND:

- ① EXISTING PAVEMENT MARKING (SOLID LINE)
- ② EXISTING PAVEMENT MARKING (DASH LINE)
- ③ EXISTING PCC PAVEMENT ±10" WITH HMA OVERLAY ±2.5"
- ④ EXISTING RETAINING WALL
- ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- ⑥ EXISTING STABILIZED SUB-BASE ±4"
- ⑦ EXISTING GUARDRAIL
- ⑧ STEEL PLATE BEAM GUARDRAIL TYPE A
- ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (MIN 13" THICK)
- ⑩ TOPSOIL FURNISH AND PLACE 4", AND SEEDING CLASS 1A
- ⑪ HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ⑫ PAINT PAVEMENT MARKING, 4" (SOLID WHITE)
- ⑬ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5. MIX "D", N70 (1 1/2")



PROPOSED IMPROVEMENT TYPICAL SECTION
FROM STA. 579+61.35 TO STA. 580+73.60 (SECTION 1)
ILLINOIS ROUTE 251 – LOOKING NORTH

- ⑭ PAINT PVT MK LINE 6 (SKIP DASH, WHITE)
- ⑮ PAINT PVT MK LINE 8 (SOLID WHITE)

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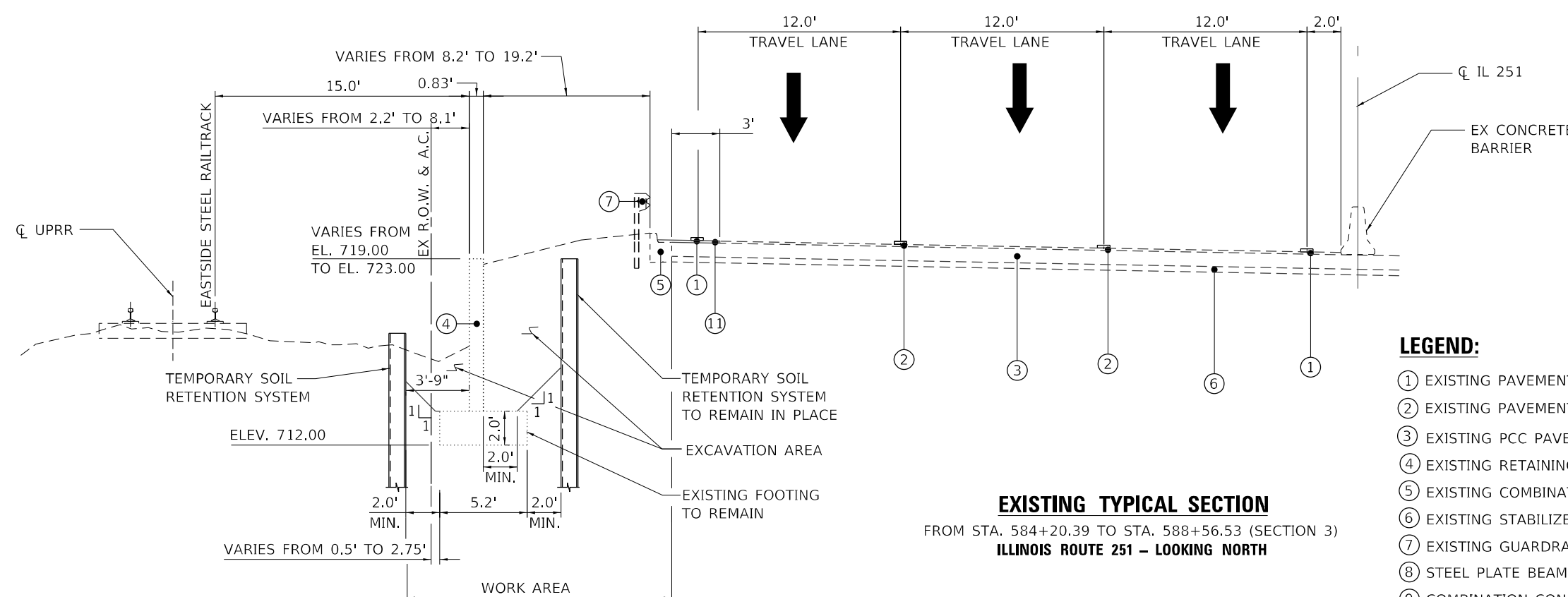
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
TYPICAL SECTIONS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

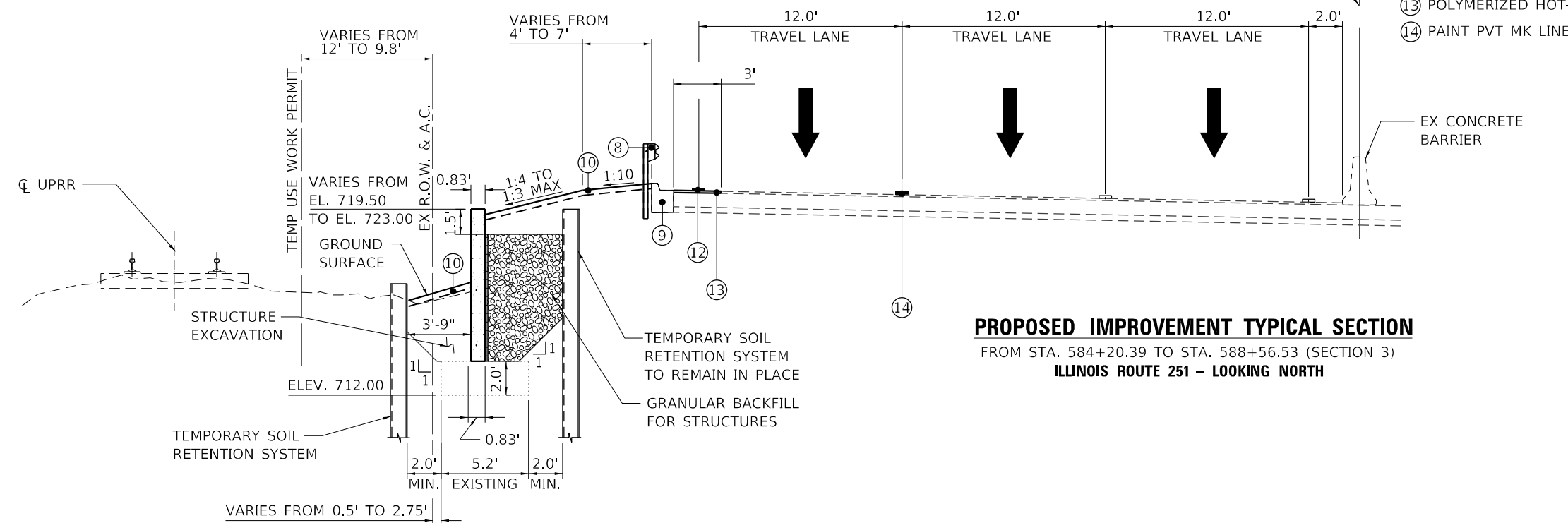
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	11
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
 FROM STA. 584+20.39 TO STA. 588+56.53 (SECTION 3)
 ILLINOIS ROUTE 251 – LOOKING NORTH

LEGEND:

- ① EXISTING PAVEMENT MARKING (SOLID LINE)
- ② EXISTING PAVEMENT MARKING (DASH LINE)
- ③ EXISTING PCC PAVEMENT ±10" WITH HMA OVERLAY ±2.5"
- ④ EXISTING RETAINING WALL
- ⑤ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24
- ⑥ EXISTING STABILIZED SUB-BASE ±4"
- ⑦ EXISTING GUARDRAIL
- ⑧ STEEL PLATE BEAM GUARDRAIL TYPE A
- ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (MIN 13" THICK)
- ⑩ TOPSOIL FURNISH AND PLACE 4", AND SEEDING CLASS 1A
- ⑪ HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ⑫ PAINT PAVEMENT MARKING, 4" (SOLID WHITE)
- ⑬ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5. MIX "D", N70 (1 1/2")
- ⑭ PAINT PVT MK LINE 6 (SKIP DASH, WHITE)



PROPOSED IMPROVEMENT TYPICAL SECTION
 FROM STA. 584+20.39 TO STA. 588+56.53 (SECTION 3)
 ILLINOIS ROUTE 251 – LOOKING NORTH

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS			
TYPICAL SECTIONS			
SCALE: NONE	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	12
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

1		2		3	4	5
LOCATION		20200100 - EARTH EXCAVATION		EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
STATION	TO	STATION	(CU YD)	(CU YD)	(CU YD)	(CU YD)
579+54.59	TO	580+73.60	3	2	3	-1
O M I S S I O N						
584+20.39	TO	586+19.48	23	17	12	5
586+19.48	TO	588+56.53	51	38	7	31
TOTAL			77	57	22	35

COLUMN 1 - LOCATION FROM PLANS.
 COLUMN 2 - CUT QUANTITIES NEEDED FROM COLUMN 3.
 COLUMN 3 - EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)
 COLUMN 4 - ADJUSTED EARTH EXCAVATION QUANTITIES THAT ARE TO BE USED AS FILL MATERIAL IN EMBANKMENT.
 COLUMN 5 - MATERIAL TO WASTE OR OFF-SITE MATERIAL (+) NEEDED. (-) REPRESENTS FURNISHED EXCAVATION.

25100900		TURF REINFORCEMENT MAT						
SQ YD	STA	STA	LT/RT	AREA	SLOPE FACTOR	ADJ AREA	REMARKS	
7.4	586+23.50	586+26.50	LT	63	1.050	66.2		
8.8	588+56.04	588+56.53	LT	78	1.013	79.0		
16	TOTAL							

28000250		TEMPORARY EROSION CONTROL SEEDING						
POUND	STA	STA	LT/RT	AREA	SLOPE FACTOR	ADJ AREA	LBS/ACRE	REMARKS
6.7	577+94.59	580+73.60	LT	2709	1.077	2917.6	100	EROSION CONTROL BLANKET
1.6	580+73.60	584+20.39	LT	682	1.005	685.4	100	EROSION CONTROL BLANKET
5.6	584+20.39	585+50.00	LT	2384	1.025	2443.2	100	EROSION CONTROL BLANKET
5.0	585+50.00	586+50.00	LT	2131	1.032	2199.7	100	EROSION CONTROL BLANKET
6.2	586+50.00	588+56.53	LT	2606	1.031	2686.8	100	EROSION CONTROL BLANKET
25	TOTAL							

21101615		TOP SOIL FURNISH AND PLACE, 4"						
SQ YD	STA	STA	LT/RT	AREA	SLOPE FACTOR	ADJ AREA	REMARKS	
324.2	577+94.59	580+80.52	LT	2709	1.077	2917.6	SEEDING, CLASS 1A	
76.2	580+80.52	584+03.04	LT	682	1.005	685.4	SEEDING, CLASS 1A	
271.5	584+13.45	585+50.00	LT	2384	1.025	2443.2	SEEDING, CLASS 1A	
244.4	585+50.00	586+50.00	LT	2131	1.032	2199.7	SEEDING, CLASS 1A	
298.5	586+50.00	588+56.53	LT	2606	1.031	2686.8	SEEDING, CLASS 1A	
1215	TOTAL							

28000305		TEMPORARY DITCH CHECKS				
FOOT	STA	EL	LT/RT	NO.	REMARKS	
10	579+60.00	711.9	LT	1		
10	584+10.00	715.7	LT	1		
10	585+00.00	716.77	LT	1		
30	TOTAL					

25100630		EROSION CONTROL BLANKET						
SQ YD	STA	STA	LT/RT	AREA	SLOPE FACTOR	ADJ AREA	REMARKS	
76.2	580+73.60	584+20.39	LT	682	1.005	685.4	SEEDING, CLASS 1A	
271.5	584+20.39	585+50.00	LT	2384	1.025	2443.2	SEEDING, CLASS 1A	
244.4	585+50.00	586+50.00	LT	2131	1.032	2199.7	SEEDING, CLASS 1A	
298.5	586+50.00	588+56.53	LT	2606	1.031	2686.8	SEEDING, CLASS 1A	
891	TOTAL							

28000400		PERIMETER EROSION CONTROL BARRIER					
FOOT	STA	OFFSET	STA	OFFSET	LT/RT	REMARKS	
32	579+54.59	99.2	579+61.35	99.2	LT		
133	579+61.35	99.2	580+82.23	76.8	LT		
247	584+66.65	61.2 / 51.8	586+46.34	67.9	LT		
10	586+46.34	67.9	586+46.61	58.3	LT		
242	586+46.61	58.3	588+67.43	57.7 / 43.1	LT		
664	TOTAL						

25100635		HEAVY DUTY EROSION CONTROL BLANKET						
SQ YD	STA	STA	LT/RT	AREA	SLOPE FACTOR	ADJ AREA	REMARKS	
324.2	577+94.59	580+80.52	LT	2709	1.077	2917.6	SEEDING, CLASS 1A	
324	TOTAL							

40600290		BITUMINOUS MATERIAL (TACK COAT)					
POUND	STA	STA	AREA (SQ FT)	LT/RT	REMARKS	RATE	
20.8	579+56.07	580+92.21	415.0	LT	CADD AREA	0.05 LBS/SQ FT	
46.2	584+03.95	588+61.81	924.9	LT	CADD AREA	0.05 LBS/SQ FT	
67.0	TOTAL						
67	USE						

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	DATE = 3/2/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SCHEDULE OF QUANTITIES**

SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	13
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

40604162 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D",						
TON	STA	STA	AREA (SQ FT)	LT/RT	REMARKS	RATE
3.9	579+56.07	580+92.21	415.0	LT	CADD AREA, 1 1/2"	112 LBS/SQ YD/IN
8.6	584+03.95	588+61.81	924.9	LT	CADD AREA, 1 1/2"	112 LBS/SQ YD/IN
12.5	TOTAL					
13	USE					

60600095 CLASS SI CONCRETE (OUTLET)					
CU YD	STA	STA	OFFSET	LT/RT	REMARKS
4	588+04.16	588+56.04	36.2	LT	
4	TOTAL				

60610400 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24					
FOOT	STA	STA	OFFSET	LT/RT	REMARKS
126.0	579+57.32	580+92.62	28.16	LT	
401.7	584+03.23	588+04.16	38.21	LT	
527.7	TOTAL				
528	USE				

44000155 HOT-MIX ASPHALT SURFACE REMOVAL REMOVAL, 1 1/2"					
SQ YD	STA	STA	AREA	LT/RT	REMARKS
46.1	579+56.07	580+92.21	415.0	LT	CADD AREA
102.8	584+03.95	588+61.81	924.9	LT	CADD AREA
148.9	TOTAL				
149	USE				

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS				
FOOT	STA	STA	LT/RT	REMARKS
200.0	579+69.31	581+61.79	LT	
537.5	582+22.23	587+56.04	LT	
737.5	TOTAL			

44000500 COMBINATION CURB AND GUTTER REMOVAL				
FOOT	STA	STA	LT/RT	REMARKS
126.0	579+57.32	580+81.95	LT	
225.0	584+03.23	586+26.68	LT	
351.0	TOTAL			
351	USE			

63000007 STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS				
FOOT	STA	STA	LT/RT	REMARKS
62.5	581+61.79	582+22.23	LT	
62.5	TOTAL			

44004250 PAVED SHOULDER REMOVAL					
SQ YD	STA	STA	AREA	LT/RT	REMARKS
291.0	585+63.01	588+61.65	2619.1	LT	CADD AREA
291.0	TOTAL				
291	USE				

63100045 TRAFFIC BARRIER TERMINAL, TYPE 2				
EACH	STA	STA	LT/RT	REMARKS
1	579+57.32	579+70.00	LT	
1	TOTAL			

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SCHEDULE OF QUANTITIES**

SCALE: NONE SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	14
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

EACH	STA	STA	LT/RT	REMARKS
1	587+56.04	588+06.04	LT	
1	TOTAL			

63200310 GUARDRAIL REMOVAL

FOOT	STA	STA	LT/RT	REMARKS
600.0	579+71.93	585+64.80	LT	
600.0	TOTAL			

63500105 DELINEATORS

EACH	STA	LT/RT	OFFSET	REMARKS
1	588+10.00	LT	40.0	
1	TOTAL			

70107004 PAVEMENT MARKING BLACKOUT TAPE, 4"

FOOT	STA	STA	LT/RT	PLACEMENT %	REMARKS
250.0	577+11.05	599+54.96	LT	25%	ESTIMATED USE
250.0	TOTAL				
250	USE				

70300904 PAVEMENT MARKING TAPE, TYPE IV 4"

FOOT	STA	STA	LT/RT	PLACEMENT %	REMARKS
2260.0	577+14.88	599+54.96	LT	100%	WHITE
2260.0	TOTAL				
2260	USE				

70300908 PAVEMENT MARKING TAPE, TYPE IV 8"

FOOT	STA	STA	LT/RT	PLACEMENT %	REMARKS
348.8	577+11.05	580+50.00	LT	100%	WHITE
329.5	577+14.88	580+50.00	LT	100%	WHITE
678.3	TOTAL				
678	USE				

70400100 TEMPORARY CONCRETE BARRIER

FOOT	STA	OFFSET	STA	OFFSET	LT/RT	REMARKS
125.0	579+71.58	51.21'	580+89.31	43.28'	LT	
325.0	580+89.31	43.28'	584+08.00	28.22'	LT	
400.0	584+08.00	28.22'	588+02.32	26.18'	LT	
112.5	588+02.32	26.18'	589+30.19	34.99'	LT	
962.5	TOTAL					

70600250 IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3

EACH	STA	OFFSET	LT/RT	REMARKS
1	589+14.90	35'	LT	
1	TOTAL			

72501000 TERMINAL MARKER - DIRECT APPLIED

EACH	STA	LT/RT	REMARKS
1	587+56.04	LT	TY 1 SPECIAL
1	TOTAL		

78001110 PAINT PAVEMENT MARKING - LINE 4"

FOOT	STA	STA	LT/RT	PLACEMENT %	REMARKS
4666.0	577+14.88	599+54.96	LT	100%	WHITE (2 APPLICATIONS)
4666.0	TOTAL				
4666	USE				

78001130 PAINT PAVEMENT MARKING - LINE 6"

FOOT	STA	STA	LT/RT	PLACEMENT %	REMARKS
136.0	581+08.76	583+75.95	LT	25%	WHITE (2 APPLICATIONS)
852.5	577+25.01	594+20.01	LT	25%	WHITE (2 APPLICATIONS)
988.5	TOTAL				
989	USE				

78001140 PAINT PAVEMENT MARKING - LINE 8"

FOOT	STA	STA	LT/RT	PLACEMENT %	REMARKS
819.0	577+11.05	581+08.76	LT	100%	WHITE (2 APPLICATIONS)
789.0	577+25.12	581+08.76	LT	100%	WHITE (2 APPLICATIONS)
1608.0	TOTAL				
1608	USE				

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SCHEDULE OF QUANTITIES**

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	15
				CONTRACT NO. 64N49
ILLINOIS FED. AID PROJECT				

78100100 RAISED REFLECTIVE PAVEMENT MARKER					
EACH	STA	STA	LT/RT	LENGTH	REMARKS
40	577+14.03	592+46.14	LT	1532	80' CTS x 2 EACH, ONE WAY CRYSTAL
40	TOTAL				

X7240600 REMOVE AND RE-ERECT EXISTING SIGN			
EACH	STA	OFFSET	LT/RT
1	584+11.45	57.22'	LT
1	TOTAL		

78200011 BARRIER WALL REFLECTORS, TYPE C					
EACH	STA	STA	LT/RT	LENGTH	REMARKS
3	579+71.58	580+89.31	LT	125.0	50' CTS
6	580+89.31	584+03.44	LT	325.0	50' CTS
5	584+03.44	588+02.72	LT	340.0	50' CTS
2	588+02.72	589+14.90	LT	112.5	50' CTS
6	584+08.00	587+63.17	LT	362.5	60' CTS
22	TOTAL				

X7820007 GUARDRAIL REFLECTORS, TYPE C (SPECIAL)					
EACH	STA	STA	LT/RT	LENGTH	REMARKS
0	579+57.32	579+70.00	LT	12.5	TY 2
3	579+70.00	581+61.79	LT	200.0	60' CTS
1	581+61.79	582+22.23	LT	62.5	80' CTS
7	582+22.23	587+56.04	LT	537.5	80' CTS
0	587+56.04	588+06.04	LT	50.0	TY 1 SPECIAL
11	TOTAL				

Z0025505 PROPERTY MARKERS	
EACH	ESTIMATED QUANTITY
4	
4	TOTAL

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL					
EACH	STA	STA	LT/RT	LENGTH	REMARKS
40	577+14.03	592+46.14	LT	1532	80' CTS x 2 EACH
40	TOTAL				

X0327980 PAINT PAVEMENT MARKING - WATER BLASTING					
SQ FT	STA	STA	LT/RT	PLACEMENT %	REMARKS
769.9	577+14.88	599+54.96	LT	100%	4" WHITE
135.1	577+11.05	581+08.76	LT	100%	4" WHITE
130.2	577+25.12	581+08.76	LT	100%	4" WHITE
22.4	581+08.76	583+75.95	LT	25%	4" WHITE
140.7	577+25.01	594+20.01	LT	25%	4" WHITE
1198.3	TOTAL				
1198	USE				

X7030005 TEMPORARY PAVEMENT MARKING REMOVAL					
SQ FT	STA	STA	LT/RT	PLACEMENT %	REMARKS
452.0	577+10.00	581+49.02	LT	100%	8 INCH, WHITE
753.3	581+49.50	599+54.96	LT	100%	4 INCH, WHITE
1205.3	TOTAL				
1205	USE				

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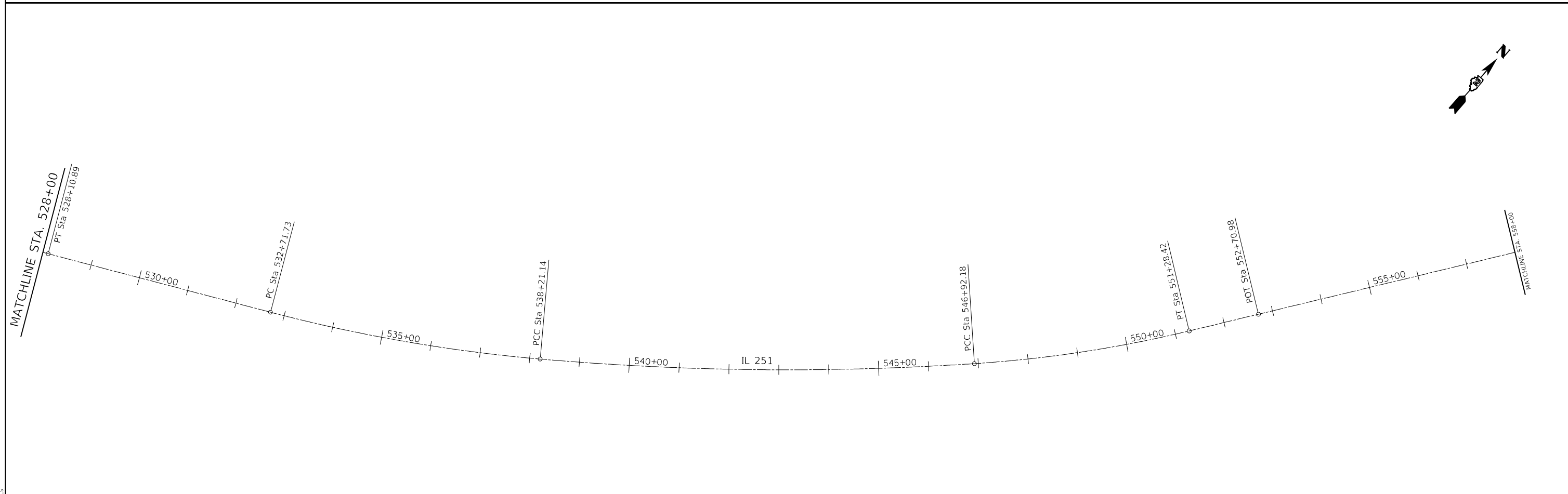
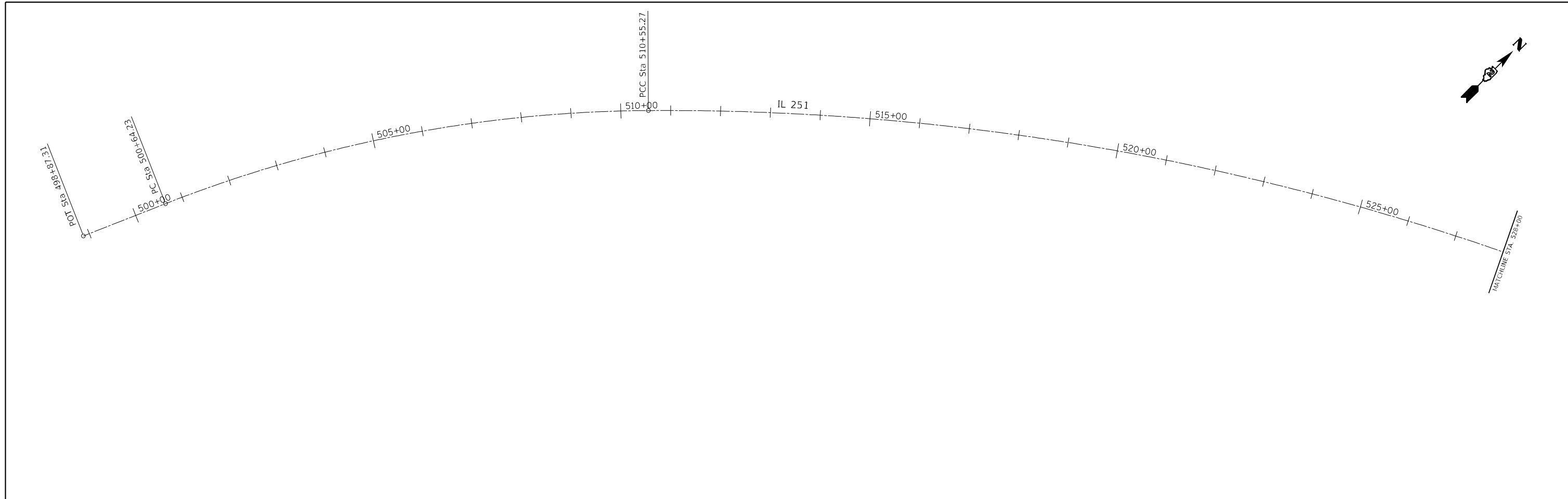
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SCHEDULE OF QUANTITIES**

SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	16
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				



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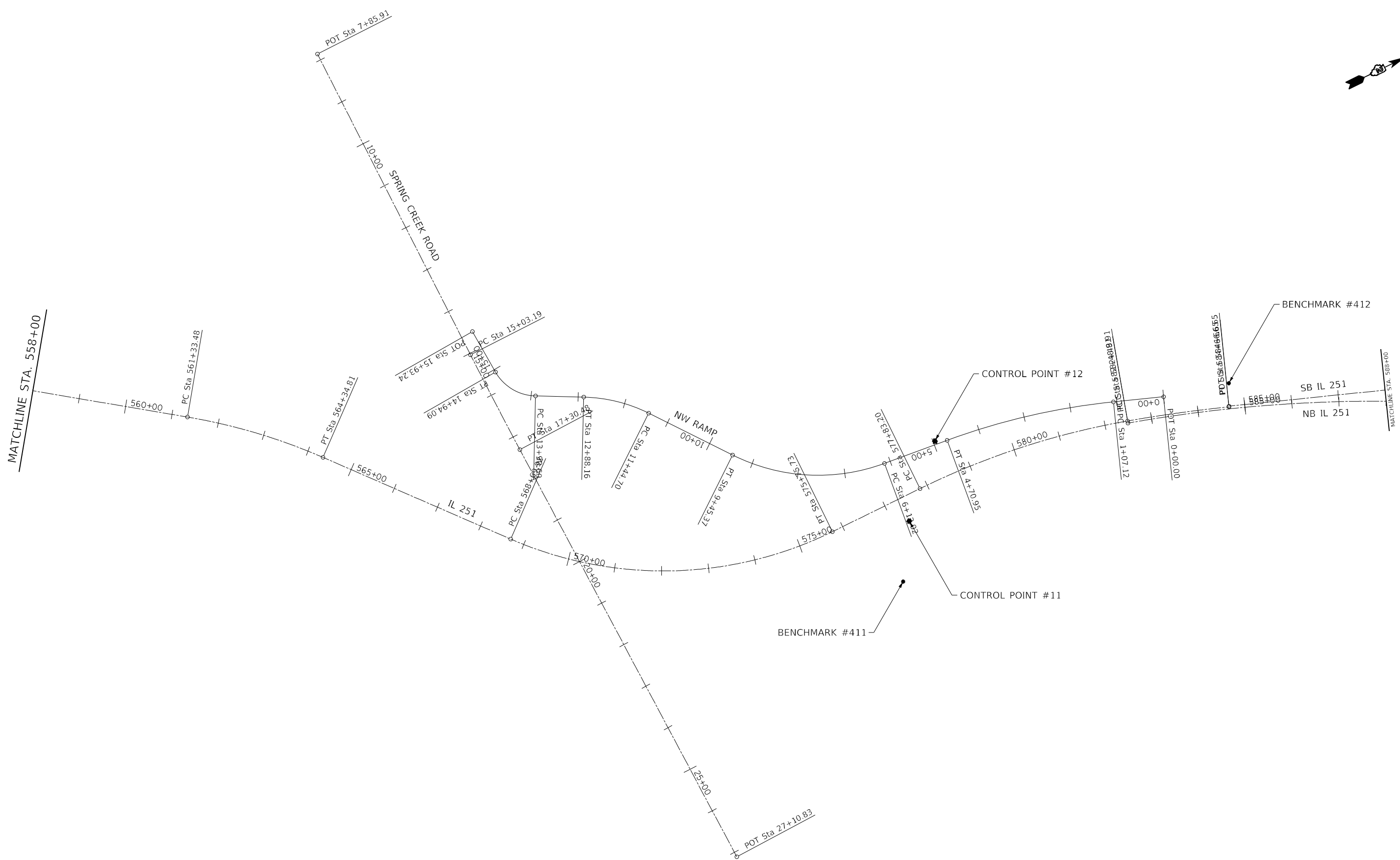
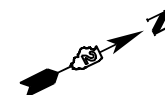
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 251
HORIZONTAL & VERTICAL CONTROL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2) RWR	WINNEBAGO	79	17
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				



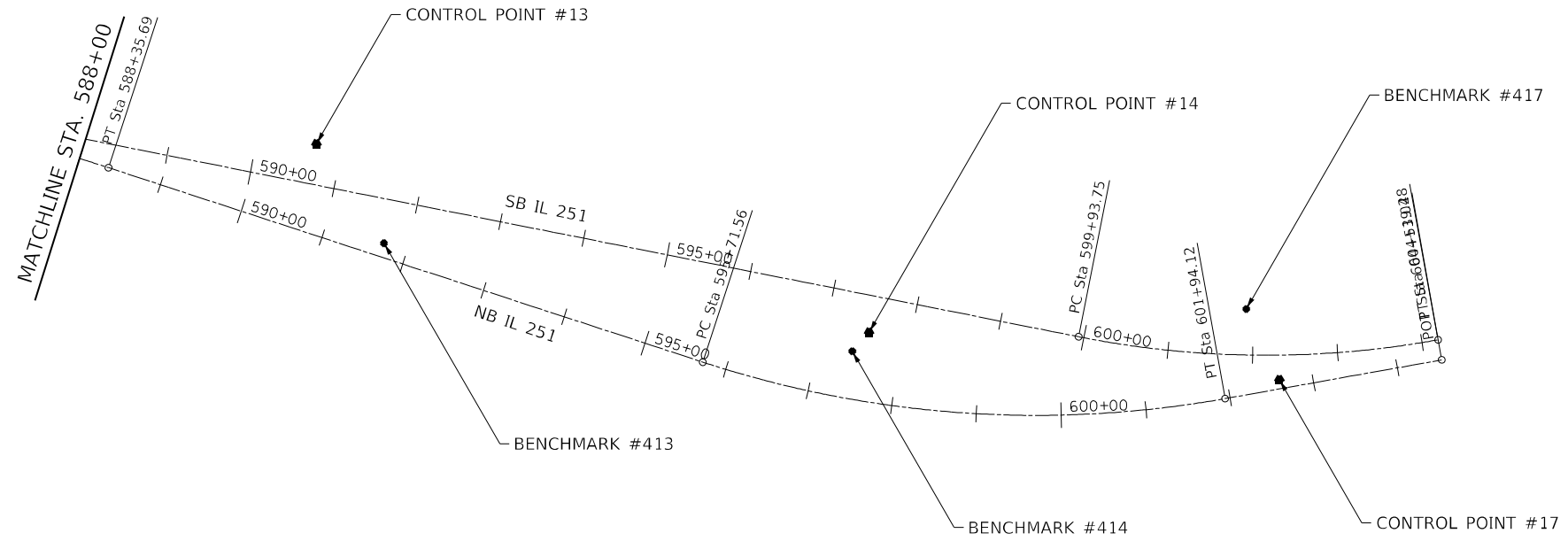
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 251 HORIZONTAL & VERTICAL CONTROL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2) RWR	WINNEBAGO	79	18
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 251
HORIZONTAL & VERTICAL CONTROL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2) RWR	WINNEBAGO	79	19
CONTRACT NO. 64N49				
		ILLINOIS	FED. AID PROJECT	

Chain IL251S contains:
 A0111001 CUR A011240 CUR A011250 CUR A011260 CUR A011270 CUR A011280 A14412383-
 CUR A144200 CUR A144210 CUR A144220 CUR A144230

Beginning chain IL251S description
 =====

Point A0111001 N 2,044,868.9123 E 2,590,606.6001 Sta 498+87.31

Course from A0111001 to PC A011240 N 23° 21' 51.46" E Dist 176.9187'

Curve Data

 Curve A011240
 P.I. Station 505+65.42 N 2,045,491.4154 E 2,590,875.5207
 Delta = 21° 04' 49.03" (RT)
 Degree = 2° 07' 37.49"
 Tangent = 501.1878'
 Length = 991.0427'
 Radius = 2,693.6335'
 External = 46.2297'
 Long Chord = 985.4624'
 Mid. Ord. = 45.4497'
 P.C. Station 500+64.23 N 2,045,031.3240 E 2,590,676.7618
 P.T. Station 510+55.27 N 2,045,849.2274 E 2,591,226.4620
 C.C. N 2,043,963.0940 E 2,593,149.5225

Curve Data

 Curve A011250
 P.I. Station 519+41.77 N 2,046,482.1206 E 2,591,847.2022
 Delta = 19° 37' 41.45" (RT)
 Degree = 1° 07' 04.88"
 Tangent = 886.4943'
 Length = 1,755.6151'
 Radius = 5,124.7406'
 External = 76.1092'
 Long Chord = 1,747.0428'
 Mid. Ord. = 74.9954'
 P.C. Station 510+55.27 N 2,045,849.2274 E 2,591,226.4619
 P.T. Station 528+10.89 N 2,046,869.7220 E 2,592,644.4709
 C.C. N 2,042,260.7865 E 2,594,885.1582

Course from PT A011250 to PC A011260 N 64° 04' 21.94" E Dist 460.8451'

Curve Data

 Curve A011260
 P.I. Station 535+47.10 N 2,047,191.6164 E 2,593,306.5849
 Delta = 9° 46' 07.07" (LT)
 Degree = 1° 46' 40.96"
 Tangent = 275.3689'
 Length = 549.4030'
 Radius = 3,222.4042'
 External = 11.7444'
 Long Chord = 548.7379'
 Mid. Ord. = 11.7017'
 P.C. Station 532+71.73 N 2,047,071.2170 E 2,593,058.9319
 P.T. Station 538+21.14 N 2,047,352.2894 E 2,593,530.2191
 C.C. N 2,049,969.2862 E 2,591,650.0021

Curve Data

 Curve A011270
 P.I. Station 542+57.50 N 2,047,606.9009 E 2,593,884.6023
 Delta = 8° 43' 56.70" (LT)
 Degree = 1° 00' 09.10"
 Tangent = 436.3651'
 Length = 871.0402'
 Radius = 5,715.1332'
 External = 16.6346'
 Long Chord = 870.1974'
 Mid. Ord. = 16.5863'
 P.C. Station 538+21.14 N 2,047,352.2894 E 2,593,530.2191
 P.T. Station 546+92.18 N 2,047,912.3634 E 2,594,196.2225
 C.C. N 2,051,993.6953 E 2,590,195.5378

Curve Data

 Curve A011280
 P.I. Station 549+10.83 N 2,048,065.4263 E 2,594,352.3708
 Delta = 9° 48' 38.35" (LT)
 Degree = 2° 14' 56.02"
 Tangent = 218.6562'
 Length = 436.2434'
 Radius = 2,547.7305'
 External = 9.3657'
 Long Chord = 435.7106'
 Mid. Ord. = 9.3314'
 P.C. Station 546+92.18 N 2,047,912.3634 E 2,594,196.2225
 P.T. Station 551+28.42 N 2,048,242.8573 E 2,594,480.1549
 C.C. N 2,049,731.7670 E 2,592,412.7704

Course from PT A011280 to A14412383 N 35° 45' 39.81" E Dist 142.5603'

Point A14412383 N 2,048,358.5394 E 2,594,563.4680 Sta 552+70.98

Course from A14412383 to PC A144200 N 35° 45' 39.81" E Dist 862.5044'

Curve Data

 Curve A144200
 P.I. Station 562+84.89 N 2,049,181.2865 E 2,595,156.0023
 Delta = 13° 52' 41.48" (RT)
 Degree = 4° 36' 20.56"
 Tangent = 151.4038'
 Length = 301.3256'
 Radius = 1,244.0158'
 External = 9.1795'
 Long Chord = 300.5895'
 Mid. Ord. = 9.1122'
 P.C. Station 561+33.48 N 2,049,058.4282 E 2,595,067.5210
 P.T. Station 564+34.81 N 2,049,279.3353 E 2,595,271.3692
 C.C. N 2,048,331.4176 E 2,596,076.9915

Course from PT A144200 to PC A144210 N 49° 38' 21.29" E Dist 435.1124'

Curve Data

 Curve A144210
 P.I. Station 572+46.74 N 2,049,805.1366 E 2,595,890.0418
 Delta = 49° 40' 39.03" (LT)
 Degree = 7° 02' 18.06"
 Tangent = 376.8129'
 Length = 705.8118'
 Radius = 814.0512'
 External = 82.9813'
 Long Chord = 683.9105'
 Mid. Ord. = 75.3050'
 P.C. Station 568+69.92 N 2,049,561.1133 E 2,595,602.9171
 P.T. Station 575+75.73 N 2,050,181.9494 E 2,595,889.7901
 C.C. N 2,050,181.4057 E 2,595,075.7391

Course from PT A144210 to PC A144220 N 0° 02' 17.75" W Dist 207.4643'

Curve Data

 Curve A144220
 P.I. Station 580+17.62 N 2,050,623.8351 E 2,595,889.4950
 Delta = 16° 12' 39.84" (RT)
 Degree = 3° 28' 51.34"
 Tangent = 234.4215'
 Length = 465.7112'
 Radius = 1,645.9920'
 External = 16.6093'
 Long Chord = 464.1593'
 Mid. Ord. = 16.4434'
 P.C. Station 577+83.20 N 2,050,389.4136 E 2,595,889.6516
 P.T. Station 582+48.91 N 2,050,848.9796 E 2,595,954.7897
 C.C. N 2,050,390.5128 E 2,597,535.6432

Curve Data

 Curve A144230
 P.I. Station 583+57.83 N 2,050,953.5864 E 2,595,985.1269
 Delta = 4° 03' 52.30" (RT)
 Degree = 1° 51' 59.99"
 Tangent = 108.9171'
 Length = 217.7428'
 Radius = 3,069.4207'
 External = 1.9318'
 Long Chord = 217.6972'
 Mid. Ord. = 1.9306'
 P.C. Station 582+48.91 N 2,050,848.9796 E 2,595,954.7897
 P.T. Station 584+66.65 N 2,051,055.7798 E 2,596,022.8024
 C.C. N 2,049,994.0378 E 2,598,902.7412

=====
 Ending chain IL251S description

Chain 251SBPGL contains:
 A1441122 CUR A144240

Beginning chain 251SBPGL description
 =====

Point A1441122 N 2,051,056.2987 E 2,596,021.3950 Sta 584+66.65

Course from A1441122 to PC A144240 N 20° 14' 14.39" E Dist 1,527.0929'

Curve Data

 Curve A144240
 P.I. Station 602+09.05 N 2,052,691.1364 E 2,596,624.1078
 Delta = 21° 31' 40.32" (LT)
 Degree = 5° 03' 32.41"
 Tangent = 215.3068'
 Length = 425.5357'
 Radius = 1,132.5507'
 External = 20.2841'
 Long Chord = 423.0370'
 Mid. Ord. = 19.9272'
 P.C. Station 599+93.75 N 2,052,489.1209 E 2,596,549.6311
 P.T. Station 604+19.28 N 2,052,906.3886 E 2,596,619.2586
 C.C. N 2,052,880.8811 E 2,595,486.9952

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 Ending chain 251SBPGL description

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 251
 HORIZONTAL & VERTICAL CONTROL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2) RWR	WINNEBAGO	79	20
CONTRACT NO. 64N49				
ILLINOIS		FED. AID PROJECT		

Chain PPP_RAMPNW contains:
 PPP1003 CUR PPP300 CUR PPP310 CUR PPP320 CUR PPP330 PPP1004

Beginning chain PPP_RAMPNW description
 =====

Point PPP1003 N 2,050,940.3424 E 2,595,942.3714 Sta 0+00.00

Course from PPP1003 to PC PPP300 S 20° 19' 36.72" W Dist 107.1188'

Curve Data

Curve PPP300
 P.I. Station 2+90.00 N 2,050,668.4019 E 2,595,841.6325
 Delta = 14° 25' 34.04" (LT)
 Degree = 3° 57' 54.34"
 Tangent = 182.8812'
 Length = 363.8281'
 Radius = 1,445.0046'
 External = 11.5268'
 Long Chord = 362.8678'
 Mid. Ord. = 11.4356'
 P.C. Station 1+07.12 N 2,050,839.8943 E 2,595,905.1609
 P.T. Station 4+70.95 N 2,050,486.4897 E 2,595,822.8313
 C.C. N 2,050,337.9353 E 2,597,260.1795

Course from PT PPP300 to PC PPP310 S 5° 54' 02.68" W Dist 142.0732'

Curve Data

Curve PPP310
 P.I. Station 7+89.07 N 2,050,170.0566 E 2,595,790.1270
 Delta = 46° 44' 06.31" (RT)
 Degree = 14° 03' 43.34"
 Tangent = 176.0454'
 Length = 332.3493'
 Radius = 407.4500'
 External = 36.4053'
 Long Chord = 323.2121'
 Mid. Ord. = 33.4193'
 P.C. Station 6+13.02 N 2,050,345.1692 E 2,595,808.2254
 P.T. Station 9+45.37 N 2,050,063.2183 E 2,595,650.2071
 C.C. N 2,050,387.0573 E 2,595,402.9343

Course from PT PPP310 to PC PPP320 S 52° 38' 08.99" W Dist 199.3282'

Curve Data

Curve PPP320
 P.I. Station 12+17.60 N 2,049,898.0046 E 2,595,433.8362
 Delta = 25° 09' 51.44" (LT)
 Degree = 17° 32' 26.51"
 Tangent = 72.9069'
 Length = 143.4623'
 Radius = 326.6448'
 External = 8.0375'
 Long Chord = 142.3120'
 Mid. Ord. = 7.8445'
 P.C. Station 11+44.70 N 2,049,942.2503 E 2,595,491.7822
 P.T. Station 12+88.16 N 2,049,833.3187 E 2,595,400.2037
 C.C. N 2,049,682.6348 E 2,595,690.0161

Course from PT PPP320 to PC PPP330 S 27° 28' 17.55" W Dist 102.4388'

Curve Data

Curve PPP330
 P.I. Station 14+47.45 N 2,049,691.9912 E 2,595,326.7224
 Delta = 58° 56' 24.55" (RT)
 Degree = 56° 57' 04.88"
 Tangent = 56.8501'
 Length = 103.4921'
 Radius = 100.6048'
 External = 14.9515'
 Long Chord = 98.9888'
 Mid. Ord. = 13.0170'
 P.C. Station 13+90.60 N 2,049,742.4309 E 2,595,352.9478
 P.T. Station 14+94.09 N 2,049,688.4331 E 2,595,269.9838
 C.C. N 2,049,788.8406 E 2,595,263.6872

Course from PT PPP330 to PPP1004 S 86° 24' 42.10" W Dist 99.1499'

Point PPP1004 N 2,049,682.2276 E 2,595,171.0283 Sta 15+93.24

=====
 Ending chain PPP_RAMPNW description

Chain SPRINGCRK contains:
 A1441155 CUR A144290 A1441156

Beginning chain SPRINGCRK description
 =====

Point A1441155 N 2,049,646.0664 E 2,594,496.4224 Sta 7+85.91

Course from A1441155 to PC A144290 N 89° 08' 42.29" E Dist 717.2823'

Curve Data

Curve A144290
 P.I. Station 16+16.84 N 2,049,658.4643 E 2,595,327.2567
 Delta = 1° 04' 34.41" (LT)
 Degree = 0° 28' 24.67"
 Tangent = 113.6446'
 Length = 227.2825'
 Radius = 12,100.0000'
 External = 0.5337'
 Long Chord = 227.2792'
 Mid. Ord. = 0.5336'
 P.C. Station 15+03.19 N 2,049,656.7687 E 2,595,213.6248
 P.T. Station 17+30.48 N 2,049,662.2939 E 2,595,440.8368
 C.C. N 2,061,755.4217 E 2,595,033.0857

Course from PT A144290 to A1441156 N 88° 04' 07.88" E Dist 980.3575'

Point A1441156 N 2,049,695.3305 E 2,596,420.6375 Sta 27+10.83

=====
 Ending chain SPRINGCRK description

Chain 251NBPGI contains:
 CUR A144250 CUR A144260 A1441143

Beginning chain 251NBPGI description
 =====

Curve Data

Curve A144250
 P.I. Station 585+43.20 N 2,051,130.4642 E 2,596,040.7736
 Delta = 11° 00' 35.02" (RT)
 Degree = 1° 52' 34.69"
 Tangent = 294.2950'
 Length = 586.7777'
 Radius = 3,053.6533'
 External = 14.1485'
 Long Chord = 585.8754'
 Mid. Ord. = 14.0833'
 P.C. Station 582+48.91 N 2,050,847.6984 E 2,595,959.2077
 P.T. Station 588+35.69 N 2,051,392.4486 E 2,596,174.8396
 C.C. N 2,050,001.3571 E 2,598,893.2330

Course from PT A144250 to PC A144260 N 27° 06' 01.17" E Dist 735.8736'

Curve Data

Curve A144260
 P.I. Station 598+89.30 N 2,052,330.3861 E 2,596,654.8131
 Delta = 28° 14' 53.28" (LT)
 Degree = 4° 32' 14.83"
 Tangent = 317.7399'
 Length = 622.5550'
 Radius = 1,262.7303'
 External = 39.3628'
 Long Chord = 616.2689'
 Mid. Ord. = 38.1728'
 P.C. Station 595+71.56 N 2,052,047.5308 E 2,596,510.0668
 P.T. Station 601+94.12 N 2,052,648.0622 E 2,596,648.4483
 C.C. N 2,052,622.7675 E 2,595,385.9713

Course from PT A144260 to A1441143 N 1° 08' 52.11" W Dist 258.9191'

Point A1441143 N 2,052,906.9293 E 2,596,643.2617 Sta 604+53.04

=====
 Ending chain 251NBPGI description

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
IL251S	A011240	011240	11241	11242	11243
IL251S	A011250	011250	11251	11252	11253
IL251S	A011260	011260	11261	11262	11263
IL251S	A011270	011270	11271	11272	11273
IL251S	A011280	011280	11281	11282	11283
IL251S	A144200	144200	144201	144202	144203
IL251S	A144210	144210	144211	144212	144213
IL251S	A144220	144220	144221	144222	144223
IL251S	A144230	144230	144231	144232	144233

MODEL: \\MODELS\NAMES
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PLOT DATE = \$DATES	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 251
 HORIZONTAL & VERTICAL CONTROL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2) RWR	WINNEBAGO	79	21
CONTRACT NO. 64N49				
ILLINOIS		FED. AID PROJECT		

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
11	2050338.5081	2595941.2667	713.1343	IL251S	577+32.26	51.5811' RT	GPS CONTROL POINT, PIN
12	2050462.4420	2595812.5673	717.1398	IL251S	578+52.97	78.5846' LT	GPS CONTROL POINT, PIN
13	2051638.4635	2596185.3562	723.7908	251NBPGL	590+59.48	102.7101' LT	GPS CONTROL POINT, PIN
14	2052246.2555	2596505.9827	743.3131	251NBPGL	597+59.32	81.1268' LT	GPS CONTROL POINT, PIN
17	2052714.4822	2596636.5791	725.1615	251NBPGL	602+60.76	10.5363' LT	GPS CONTROL POINT, PIN

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
411	2050270.4104	2596051.2135	714.2356	IL251S	576+64.09	161.4824' RT	VERTICAL CONTROL STATION, DISK
412	2051077.5010	2595977.4597	722.5581	251NBPGL	584+71.01	54.3718' LT	VERTICAL CONTROL STATION, PLUG
413	2051698.9352	2596313.2380	725.3958	251NBPGL	591+71.57	16.4163' LT	VERTICAL CONTROL STATION, CHISELED SQUARE
414	2052223.3612	2596524.8427	744.1470	251NBPGL	597+42.90	55.8528' LT	VERTICAL CONTROL STATION, PLUG
417	2052689.0673	2596548.0794	725.2089	251NBPGL	602+37.12	99.5273' LT	VERTICAL CONTROL STATION, CHISELED SQUARE

REFERENCE TIES						
POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
530	2050326.5172	2595947.8599	IL251S	577+20.26	58.1663' RT	MANHOLE GRATE
531	2050376.6309	2595989.1216	IL251S	577+70.35	99.4615' RT	LIGHT POLE
532	2050304.2195	2596049.4426	IL251S	576+97.90	159.7341' RT	HEADWALL, CORNER
533	2050401.3898	2595795.9383	IL251S	577+94.59	93.7469' LT	LIGHT POLE
534	2050439.3557	2595838.1070	IL251S	578+31.64	52.2468' LT	MANHOLE LID
535	2050541.0135	2595814.7520	IL251S	579+27.88	81.4677' LT	TREE DECIDUOUS
536	2051614.4725	2596169.9669	251NBPGL	590+31.12	105.4807' LT	LIGHT POLE
537	2051693.5450	2596175.4118	251NBPGL	591+03.99	136.6551' LT	MANHOLE GRATE
538	2051633.9051	2596196.9061	251NBPGL	590+60.69	90.3517' LT	PAVEMENT STATION NUMBER
545	2052715.6294	2596538.9531	251NBPGL	602+63.86	108.1197' LT	POWER POLE
546	2052778.0463	2596700.5770	251NBPGL	603+23.03	54.7221' RT	LIGHT POLE
547	2052716.8434	2596707.6487	251NBPGL	602+61.70	60.5663' RT	MANHOLE GRATE
548	2052213.2601	2596472.0006	251NBPGL	597+13.50	102.0599' LT	LIGHT POLE
549	2052221.7782	2596523.0419	251NBPGL	597+40.71	57.0264' LT	WALL, CORNER
550	2052282.2621	2596535.1086	251NBPGL	598+05.06	64.2061' LT	WALL, CORNER

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
251NBPGL	A144250	144250	144251	144252	144253
251NBPGL	A144260	144260	144261	144262	144263

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
251SBPGL	A144240	144240	144241	144242	144243

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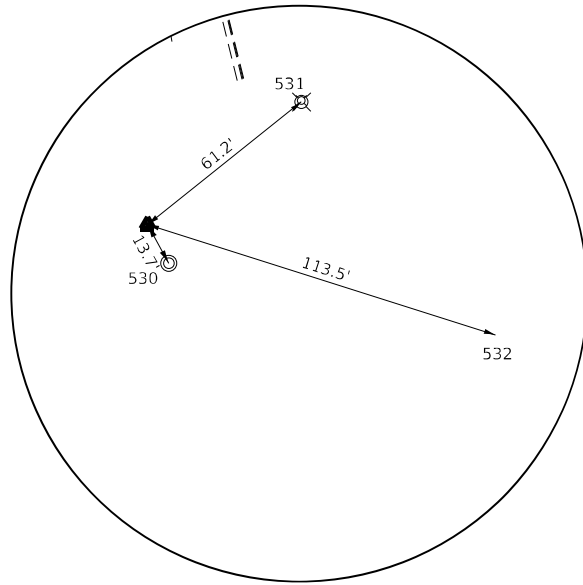
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

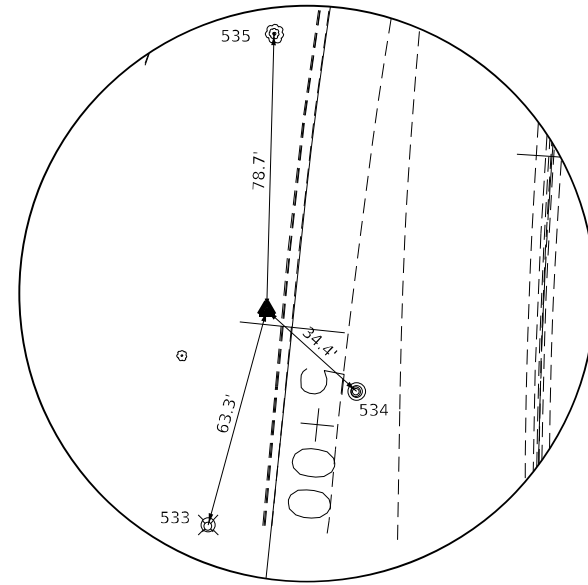
**IL ROUTE 251
HORIZONTAL & VERTICAL CONTROL**

SCALE: SHEET OF SHEETS STA. TO STA.

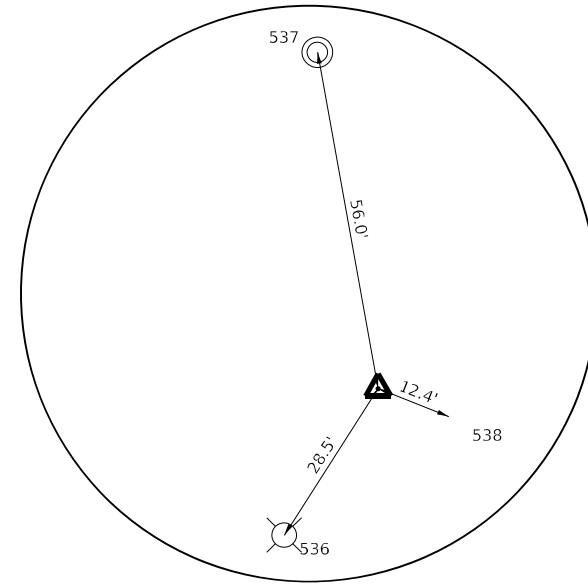
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303	(1-2) RWR	WINNEBAGO	79	22
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				



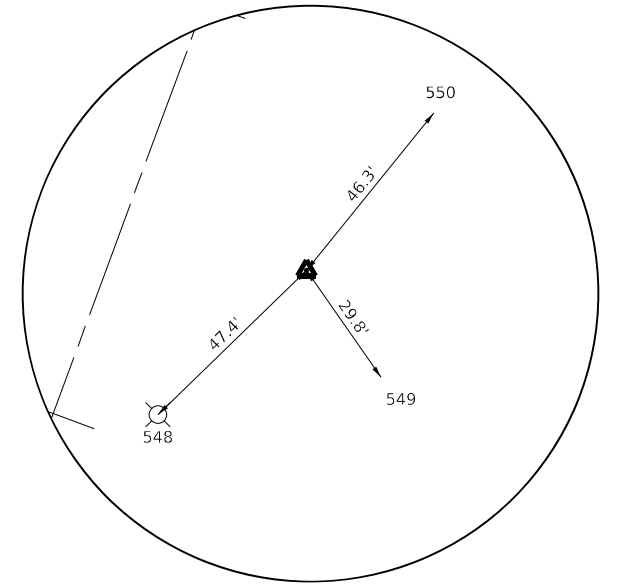
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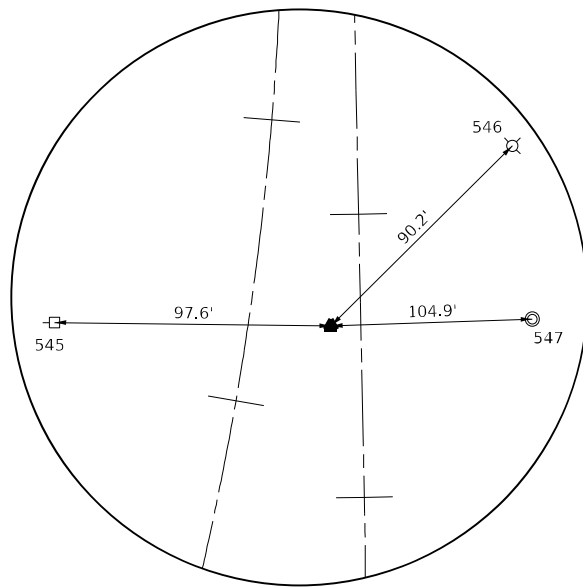
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HORIZONTAL CONTROL POINT #13



HORIZONTAL CONTROL POINT #14



HORIZONTAL CONTROL POINT #17

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

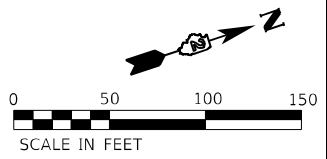
**IL ROUTE 251
HORIZONTAL & VERTICAL CONTROL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2) RWR	WINNEBAGO	79	23
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

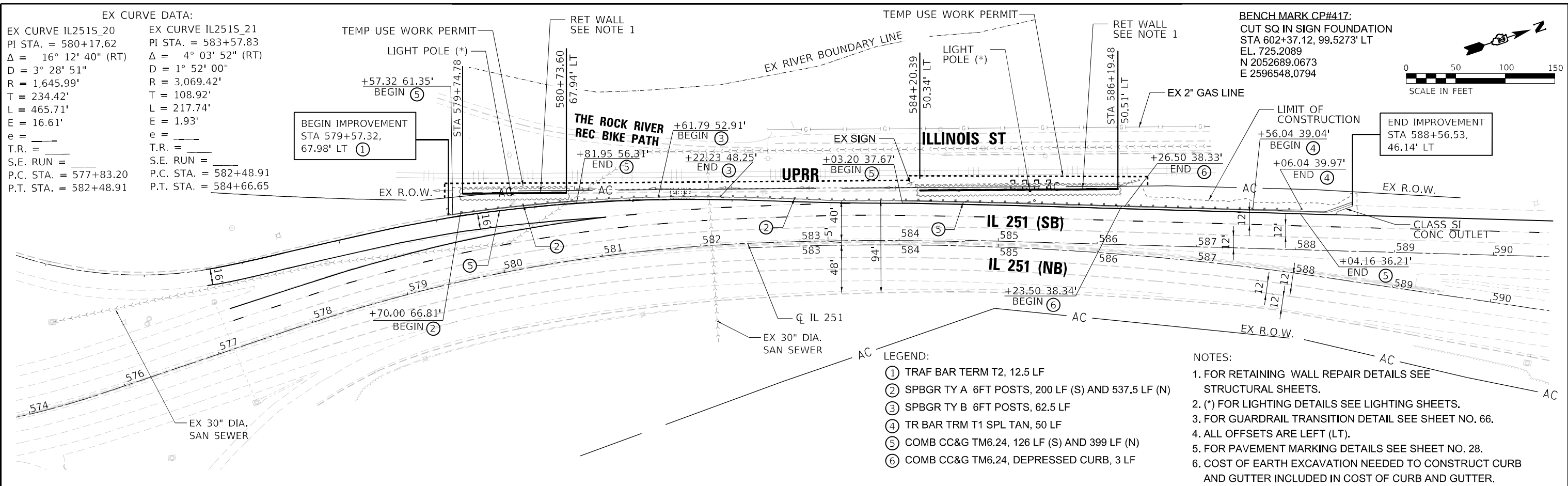
EX CURVE DATA:
 EX CURVE IL251S_20 PI STA. = 580+17.62 Δ = 16° 12' 40" (RT) D = 3° 28' 51" R = 1,645.99' T = 234.42' L = 465.71' E = 16.61' e = --- T.R. = --- S.E. RUN = --- P.C. STA. = 577+83.20 P.T. STA. = 582+48.91
 EX CURVE IL251S_21 PI STA. = 583+57.83 Δ = 4° 03' 52" (RT) D = 1° 52' 00" R = 3,069.42' T = 108.92' L = 217.74' E = 1.93' e = --- T.R. = --- S.E. RUN = --- P.C. STA. = 582+48.91 P.T. STA. = 584+66.65

BENCH MARK CP#417:
 CUT SQ IN SIGN FOUNDATION
 STA 602+37.12, 99.5273' LT
 EL. 725.2089
 N 2052689.0673
 E 2596548.0794



DATE	
BY	
PLAN	
NO.	
NO.	
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DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
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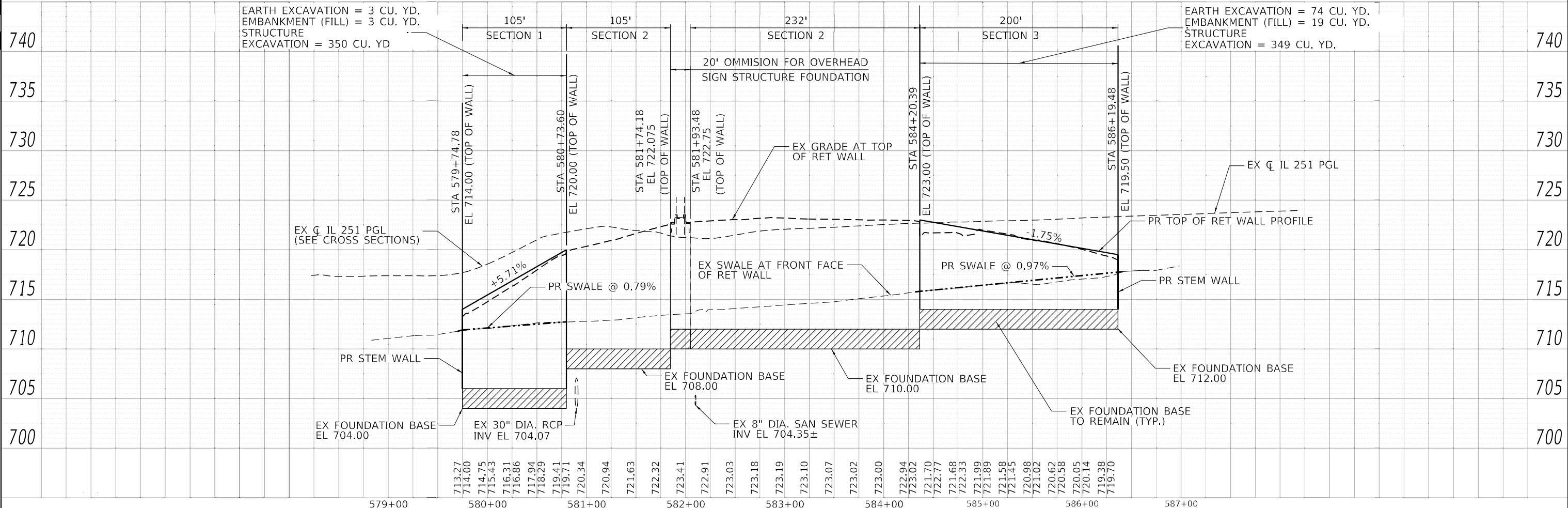


LEGEND:

- ① TRAF BAR TERM T2, 12.5 LF
- ② SPBGR TY A 6FT POSTS, 200 LF (S) AND 537.5 LF (N)
- ③ SPBGR TY B 6FT POSTS, 62.5 LF
- ④ TR BAR TRM T1 SPL TAN, 50 LF
- ⑤ COMB CC&G TM6.24, 126 LF (S) AND 399 LF (N)
- ⑥ COMB CC&G TM6.24, DEPRESSED CURB, 3 LF

NOTES:

- 1. FOR RETAINING WALL REPAIR DETAILS SEE STRUCTURAL SHEETS.
- 2. (*) FOR LIGHTING DETAILS SEE LIGHTING SHEETS.
- 3. FOR GUARDRAIL TRANSITION DETAIL SEE SHEET NO. 66.
- 4. ALL OFFSETS ARE LEFT (LT).
- 5. FOR PAVEMENT MARKING DETAILS SEE SHEET NO. 28.
- 6. COST OF EARTH EXCAVATION NEEDED TO CONSTRUCT CURB AND GUTTER INCLUDED IN COST OF CURB AND GUTTER.

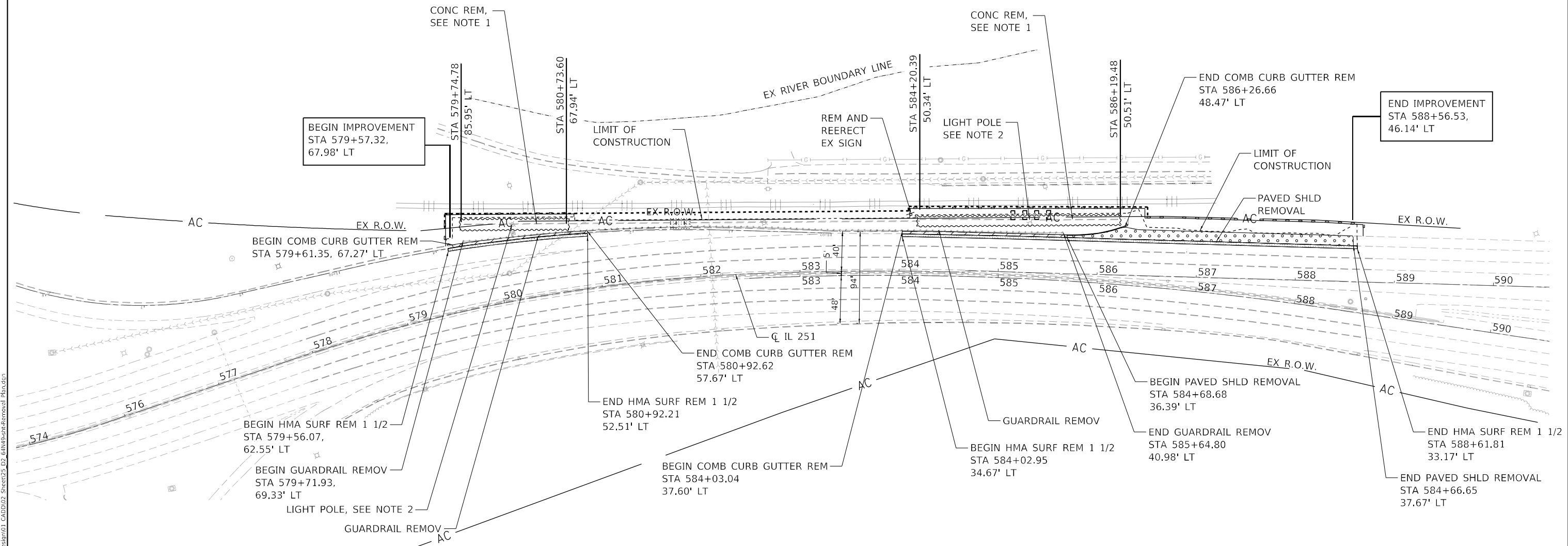
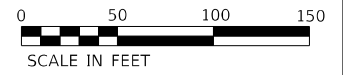


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	DRAWN - RM	REVISED -
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PLOT DATE = 3/2/2021	DATE - 3/2/2021	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
 PLAN AND PROFILE
 SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A. RTE. 303	SECTION (1-2)RWR	COUNTY WINNEBAGO	TOTAL SHEETS 79	SHEET NO. 24
CONTRACT NO. 64N49			ILLINOIS FED. AID PROJECT	



NOTES:

1. FOR RETAINING WALL REMOVAL DETAILS SEE STRUCTURAL SHEETS.
2. FOR LIGHTING REMOVAL DETAILS SEE LIGHTING SHEETS.

REMOVAL LEGEND

- PAVED SHLD REMOVAL
- COMB CURB GUTTER REM
- HMA SURF REM 1 1/2

MODEL: I:\MODEL\NAME: FILE NAME: C:\D\2020\IDOT\PTB_164_02-01-15-19_Structural & Roadway\QUICK\03A_Design\01_CADD\02_Sheet\25_D2_RetainingWallRemoval1_Plan.dgn



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PLOT DATE = 3/2/2021	DATE - 3/2/2021	REVISED -

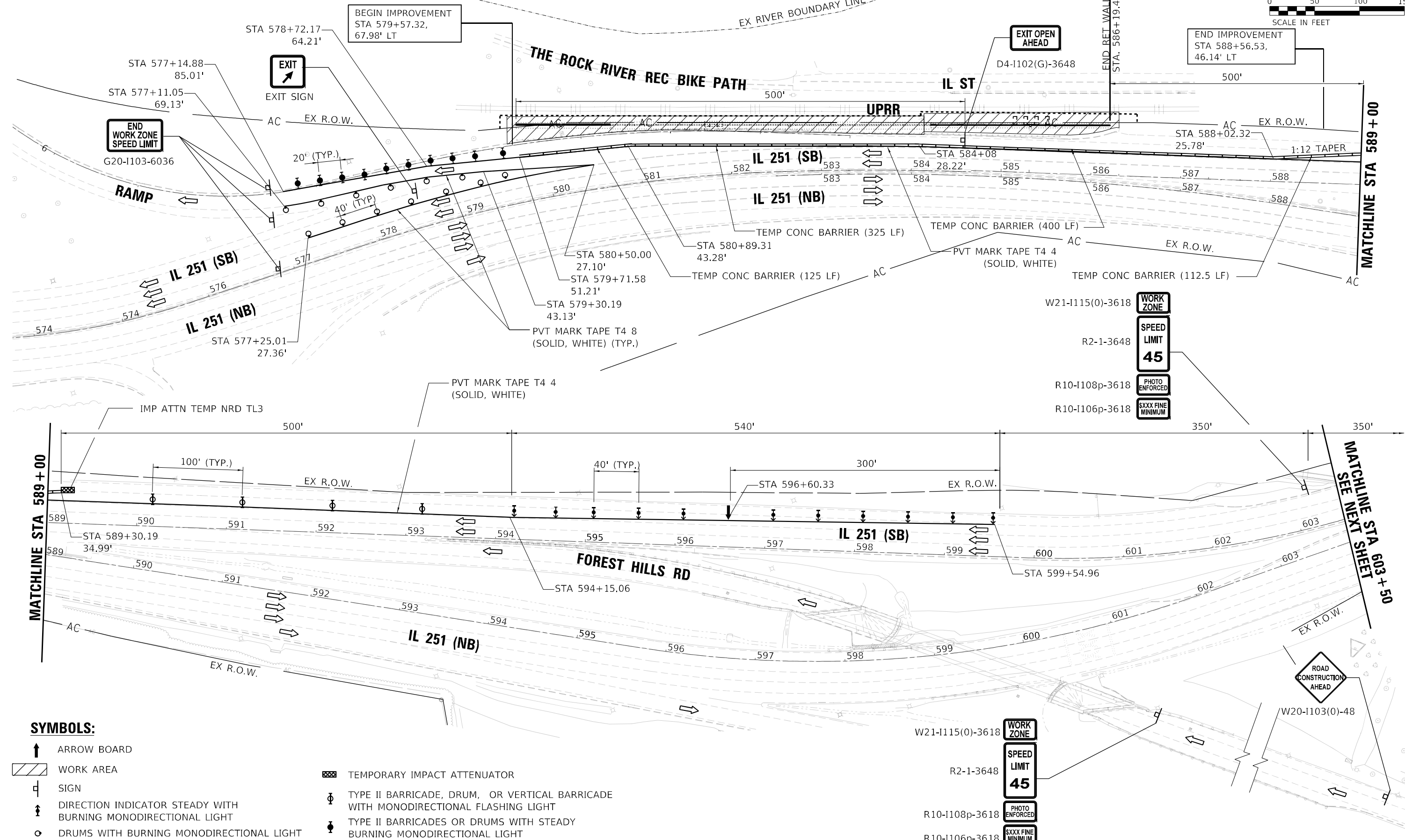
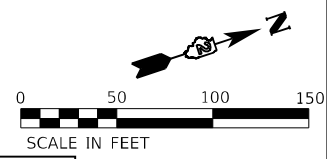
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
REMOVAL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	25
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

ROCK RIVER



SYMBOLS:

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR STEADY WITH BURNING MONODIRECTIONAL LIGHT
- DRUMS WITH BURNING MONODIRECTIONAL LIGHT
- TEMPORARY IMPACT ATTENUATOR
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT

MODEL: 1408161.MXD
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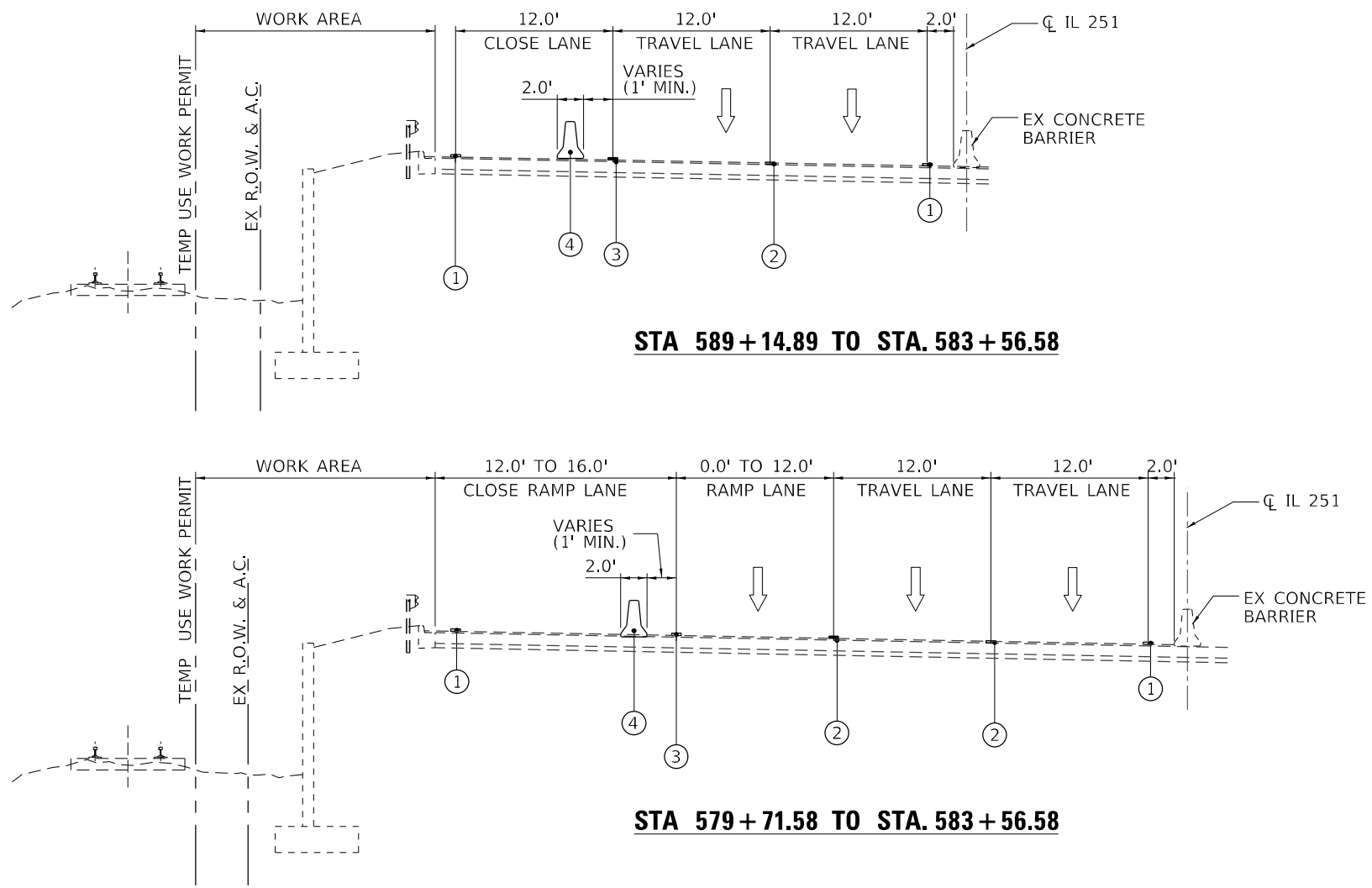
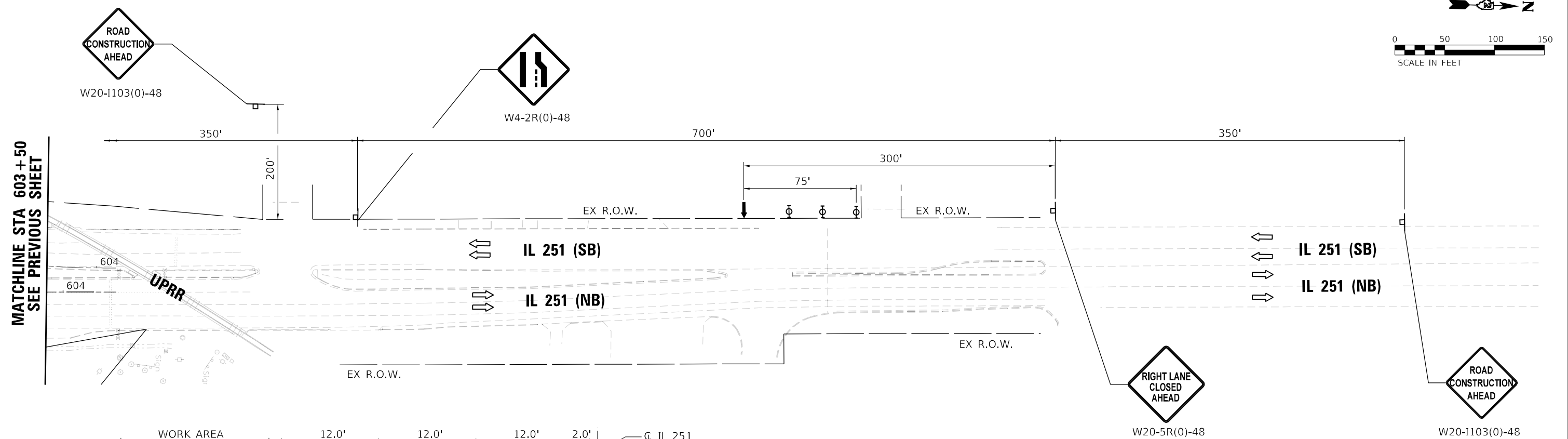
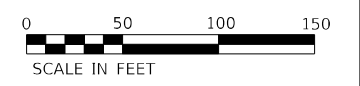
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	DATE - 3/2/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
MAINTENANCE OF TRAFFIC**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	26
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				



SYMBOLS:

- ↑ ARROW BOARD
- SIGN
- ⚡ DIRECTION INDICATOR STEADY WITH BURNING MONODIRECTIONAL LIGHT
- DRUMS WITH BURNING MONODIRECTIONAL LIGHT
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- ⊖ TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHT

LEGEND:

- ① EXISTING PAVEMENT MARKING (SOLID LINE)
- ② EXISTING PAVEMENT MARKING (DASH LINE)
- ③ TEMPORARY PAVEMENT MARKING LINE - 4" (SOLID WHITE)
- ④ TEMPORARY CONCRETE BARRIER

SUGGESTED CONSTRUCTION SEQUENCE NOTES:

1. PLACE TEMPORARY CONCRETE BARRIER FROM STA. 579+71.58 TO STA. 589+34.99. INSTALL MOT DEVICES AND SIGNS IN ACCORDANCE WITH HIGHWAY STANDARDS 701423, 701602 (CASE IV) AND 701411 AS SHOWN ON PLANS.
2. REMOVE EXISTING CURB AND GUTTER FROM STA. 579+57.32 TO STA. 580+81.95 AND FROM STA. 584+03.23 TO STA. 586+26.68.
3. REMOVE EXISTING GUARDRAIL FROM STA. 579+71.93 TO STA. 585+64.80.
4. INSTALL TEMPORARY LIGHTING.
5. INSTALL TEMPORARY SOIL RETENTION SYSTEM AS SHOWN ON PLANS.
6. PERFORM STRUCTURE EXCAVATION IN SECTION 1 AND 3 OF EXISTING RETAINING WALL.
7. DEMOLISH EXISTING RETAINING WALL STEM OF SECTION 1 AND 3, REMOVE TWO EXISTING LIGHT POLES.
8. CONSTRUCT NEW STEM OF SECTION 1 AND 3 OF RETAINING WALL.
9. BACKFILL EXCAVATED AREAS WITH GRANULAR BACKFILL FOR STRUCTURES.
10. INSTALL TWO NEW LIGHT POLES, CURB AND GUTTER AND GUARDRAIL.
11. REMAINING WORK: GRADING, TOPSOIL FURNISH AND PLACE, SEEDING, HMA SURFACE REMOVAL AND REPLACEMENT CAN BE COMPLETED USING HIGHWAY STANDARD 701421.

MODEL: 1408161.MXD FILE NAME: C:\D2\2020\DOT\PTB_164_02-01-19_Structural & Roadway\QUICG\03A_Design\01_CADD\02_Sheets\27_D2_64N49-Ret-Maintenance of Traffic_2 of 2.dgn



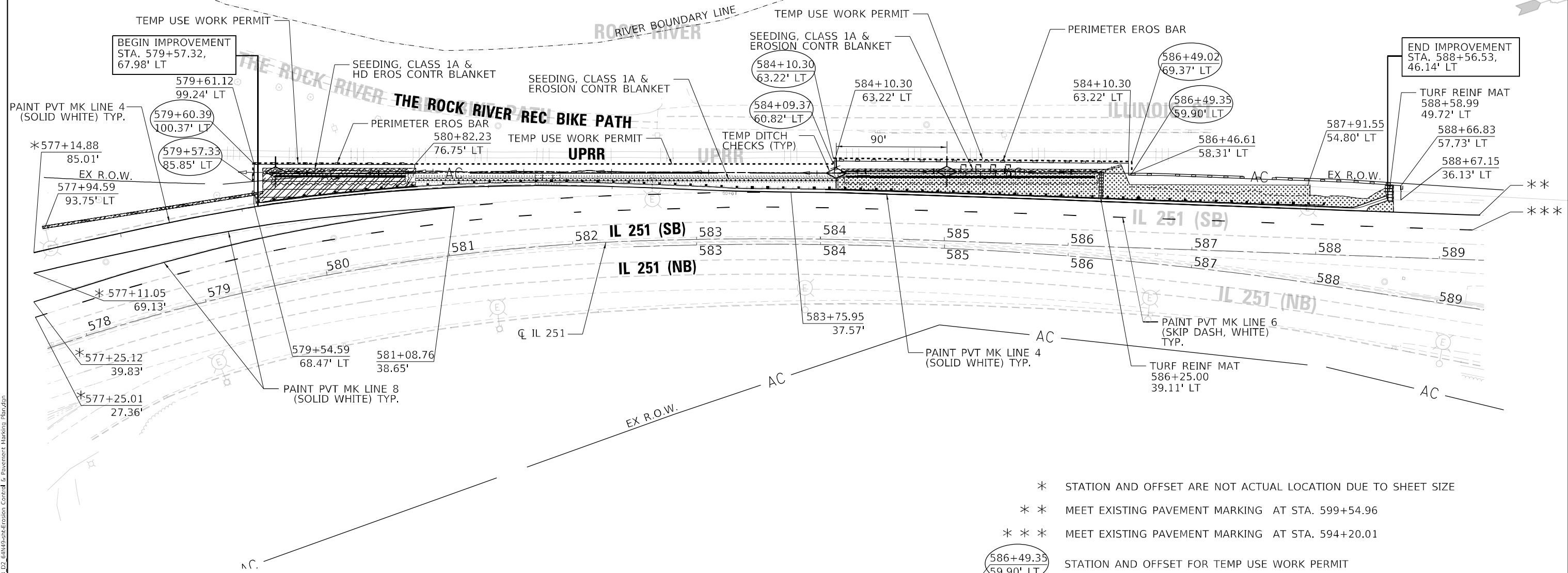
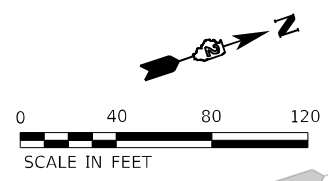
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
MAINTENANCE OF TRAFFIC**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	27
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				



NOTES:

1. THE CONTRACTOR SHALL INSTALL PERIMETER EROSION BARRIER PRIOR TO STRIPPING OF VEGETATION.
2. THE CONTRACTOR SHALL SURROUND ANY NECESSARY EARTH STOCKPILES WITH PERIMETER EROSION BARRIER, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. HEAVY DUTY EROSION CONTROL BLANKET SHALL BE USED FOR COVERING SLOPES STEEPER THAN 1V:3H.
4. RUNOFF FROM EXCAVATED AREAS SHALL LEAVE THE SITE THROUGH SEDIMENT CONTROL DEVICES SHOWN IN IDOT STD. 280001 AND /OR NRCS DETAILS FROM THE MOST RECENT VERSION OF THE ILLINOIS URBAN MANUAL.

LEGEND:

- SEEDING CLASS 1A & EROS CONTR BLANKET
- SEEDING CLASS 1A & HD EROS CONTR BLANKET
- TURF REINF MAT
- PERIMETER EROS BAR

MODEL: I:\MODEL\NAME: FILE NAME: C:\2020\2020 IDOT PFB 164 02-01-19 Structural & Roadway\QUICG\03A Design\01 CADD\02 Sheet\28_D2 64N49-2-Erosion Control & Pavement Marking -Rls.dgn



USER NAME = denisb	DESIGNED - DB	REVISED -
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PLOT DATE = 3/4/2021	DATE - 3/2/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS EROSION CONTROL AND PAVEMENT MARKING PLAN			
SCALE: 1" = 40'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	28
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

Existing Structure:
The Retaining Wall at IL 251 is a reinforced concrete cantilever retaining wall on spread footing with a total length of 650'-0". The retained height of the existing wall varies from a minimum of 5'-0" to a maximum of 14'-0".

BENCH MARK:

CP # 417, Cut Sq in Sign Foundation
Station 602+37.12, 99.5273' LT
Elevation 725.2089
Northing: 2052689.0673
Easting: 2596548.0794

STAGING:

No staging required.

SALVAGE:

No salvage.

DESIGN STRESSES

FIELD UNITS

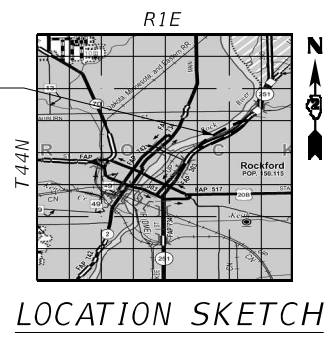
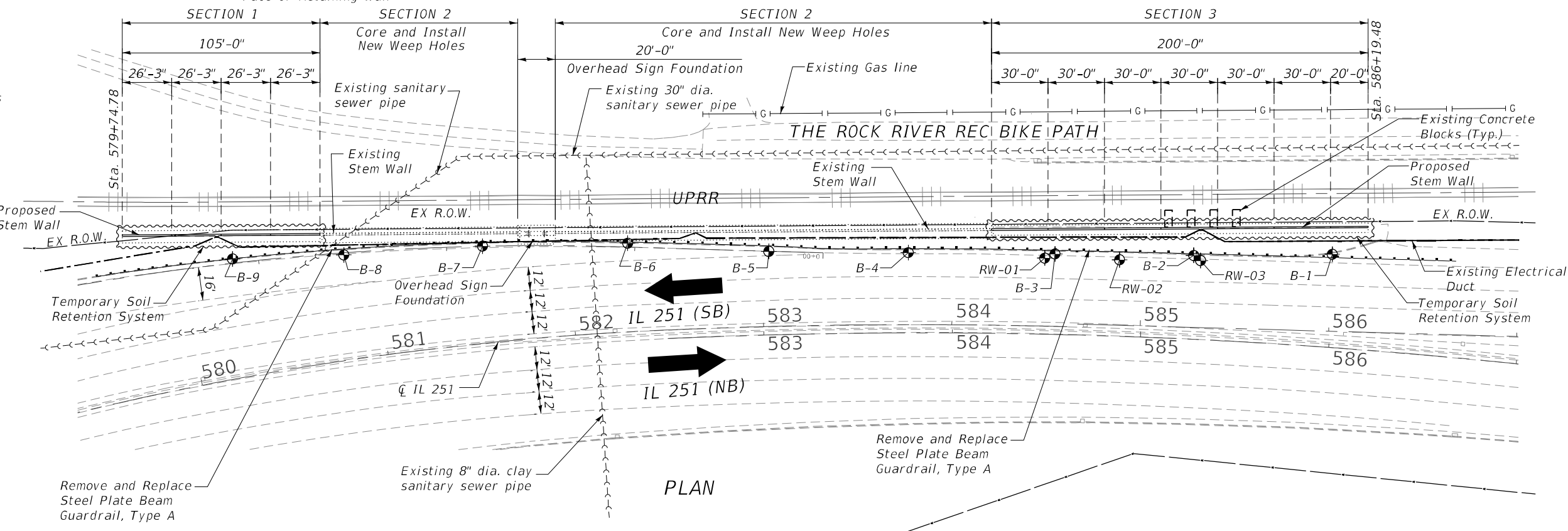
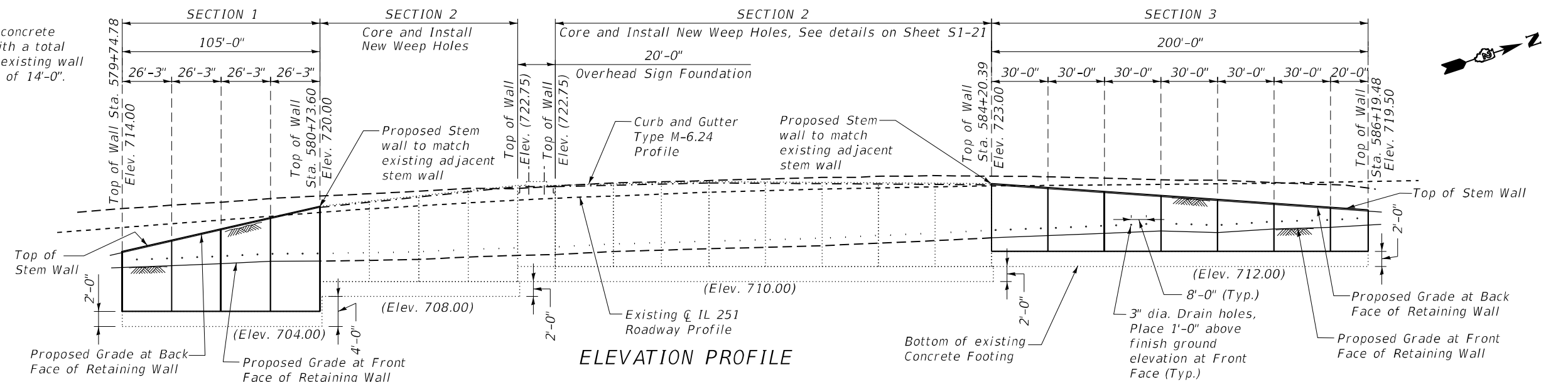
$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

DESIGN SPECIFICATIONS

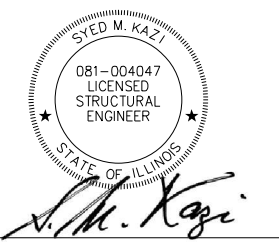
2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

HIGHWAY CLASSIFICATION

IL 251
Functional Class: Other Principal Arterial
AADT: (2019) = 35,100
DHV:
Design Speed: 45 m.p.h.
Posted Speed: 45 m.p.h.
Two-Way Traffic
Directional Distribution:



**GENERAL PLAN AND ELEVATION
RETAINING WALL REPAIR
FAP 303 (IL 251)
SECTION (1-2)RWR
WINNEBAGO COUNTY
STATION 579+74.78 TO STATION 586+19.48**



DATE: 2/22/2021
LICENSE EXPIRES ON 11/30/2022

MODEL: 1409161.NMFS FILE NAME: C:\2020\03 IDOT P7B 164 02-015-19 Structural & Roadway (QUICG)03A Design01 CADD02_Sheet20_D2_64N49-RetWall-General_Plan & Elevation.dwg

	USER NAME = rmanuod	DESIGNED - SMK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS GENERAL PLAN AND ELEVATION	F.A.P. RTE. = 303	SECTION = (1-2)RWR	COUNTY = WINNEBAGO	TOTAL SHEETS = 79	SHEET NO. = 29
	PLOT SCALE = 64:0,000' = 1" / in.	CHECKED - SK	REVISED -			SCALE:	SHEET 51 OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/2/2021	DATE = 3/2/2021	REVISED -							

GENERAL NOTES:

- Plan dimension 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 adjustment 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.
- Drilling and grouting of dowel bars will be in accordance with the Article 584 of Standard Specifications. The cost of this work will not be paid separately but shall be included in the contract unit price per cu. yd. for " Concrete Structures" (Retaining Wall).
- Geocomposite wall drain shall be placed at the back of each drain hole. The wall drain shall be 24 inches wide and 48 inches tall. The wall drain shall be centered over the drain hole with the bottom located 12 inches below the bottom of the drain hole. All form boards or other obstructions shall removed from the drain holes before placing and geocomposite wall drain. See special provision for weep holes for abutments, Wingwalls retaining walls and culverts.
- The temporary soil retention system shown on the plans is provided as a suggested system and to be used for bidding purposes only. Refer to the special provision for details.
- The contractor shall take care as to not damage footing when erecting the temporary soil retention system.
- The 1/2 inch preformed joint filler and sealing compoid shall not be paid for separately but shall be included in the contract unit price per cubic yard for Concrete Structures (Retaining Wall).
- Reinforcement bars designated (E) shall be epoxy coated.
- Existing elevations have been taken from historical plans.
- For Structure Excavation details, see sheet S1-18.
- The contractor shall exercise extreme caution during construction to make certain that construction activities, live load surcharge, structure excavation, installation of Temporary Soil Retention System and other loads applied will not have detrimental affects on the adjacent Retaining Wall and Roadway. Any damage to the adjacent Retaining Wall and Roadway during construction shall be repaired by the contractor at his expense with no charge to IDOT.
- The removal of the existing portions of the retaining wall shown in the plans shall be included in Concrete Removal.
- For Cored weep hole filter system details, see sheet S1-21.
- The existing retaining wall stem is temporarily supported by Concrete blocks and pads. The Contractor shall remove these blocks and pads before removal of existing stem wall. The removal of these blocks and pads will not be paid for separately but shall be included in the Concrete Removal (Special). Refer the Special Provision for Concrete Removal (Special).
- The Contractor shall exercise extreme caution during construction to avoid any damage to the existing 30-inch reinforced concrete sanitary sewer. Any damage to the existing sewer shall be repaired by the Contractor, to the satisfaction of the District, at no cost to the District. The Contractor shall be responsible for maintaining the normal level of sanitary service to all affected properties shall be solely liable for any damages that occur as a result of sewer back-ups.

SCOPE OF WORK:

- Install Temporary Soil Retention System behind Section 1 and 3 of the Retaining Wall. The Temporary Soil Retention System shall be Installed on the Railroad and Roadway sides to retain the soil and applicable live load surcharge.
- Excavate behind the Retaining Wall Section 1 and 3 within the limits of the Temporary Soil Retention System, to the Top of the Footing Elevation.
- Remove the existing stem wall of Section 1 and 3 to the top of existing footing. Reinforcement extending from the existing footing into the existing stem shall be cleaned and incorporated into the new stem wall.
- Drill and Grout vertical reinforcement into the existing footing of Retaining Wall Section 1 and 3.
- Reconstruct the removed portions of the Retaining Wall Section 1 and 3.
- Remove the Temporary Soil Retention System from the Railroad Side.
- Cut Temporary Soil Retention System to 2' below the top of pavement towards the roadway side and backfill the newly constructed portion of the retaining wall.
- Core and install new weep holes in the existing Retaining Wall Section 2.
- Protective Coat shall be applied to all exposed surfaces of the new stem wall prior for backfilling.

INDEX OF SHEETS:

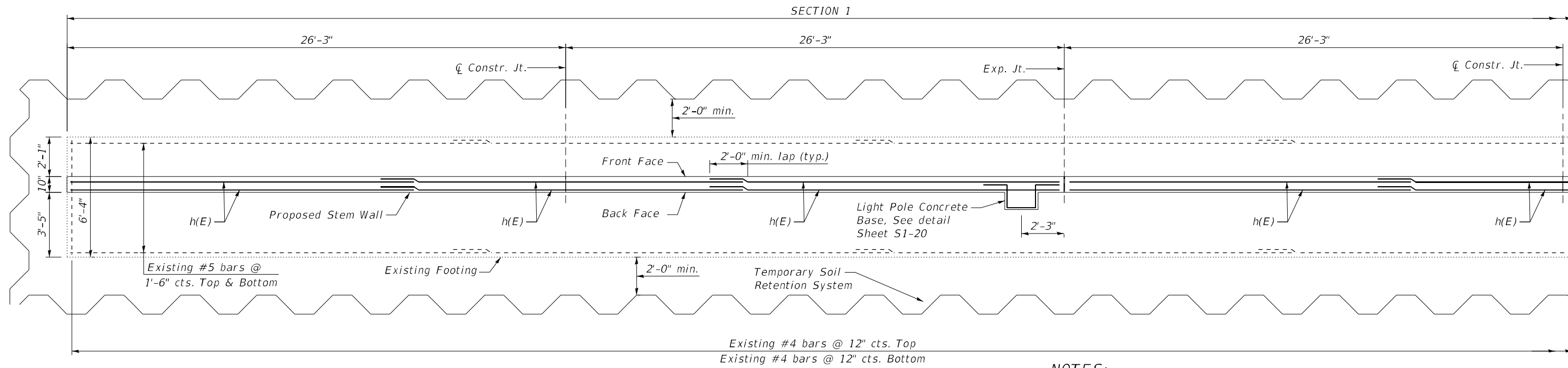
S1-1	General Plan and Elevation
S1-2	General Notes, Index of Sheets and Bill of Materials
S1-3-S1-4	Reinforcement Details (Section 1)
S1-5-S1-7	Reinforcement Details (Section 3)
S1-8	Concrete Wall Repair - Section 2
S1-9	Sections and Details
S1-10	Temporary Soil Retention System Details (Section 1)
S1-11-S1-12	Temporary Soil Retention System Details (Section 3)
S1-13-S1-14	Concrete Removal (Section 1)
S1-15-S1-17	Concrete Removal (Section 3)
S1-18	Typical Section Excavation
S1-19	Temporary Soil Retention System and Backfill
S1-20	Light Pole Concrete Base Details
S1-21	Weep Hole Filter System Details
S1-22-S1-24	Existing Plans
S1-25-S1-31	Soil Borings

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	78.50
Concrete Removal (Special)	Sq Yd	16
Concrete Structures (Retaining Wall)	Cu Yd	80.90
Epoxy Crack Injection	Foot	14
Geocomposite Wall Drain	Sq Yd	32
Granular Backfill for Structures	Cu Yd	370
Protective Coat	Sq Yd	607
Reinforcement Bars Epoxy Coated	Pound	11,129
Structure Excavation	Cu Yd	699
Structural Repair of Concrete (Depth Equal to or less than 5 inch)	Sq Ft	14
Temporary Soil Retention System	Sq Ft	1544
Temporary Soil Retention System (To Remain in Place)	Sq Ft	3,031
Weep Hole Cored	Each	44

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	SCALE: SHEET 52 OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				



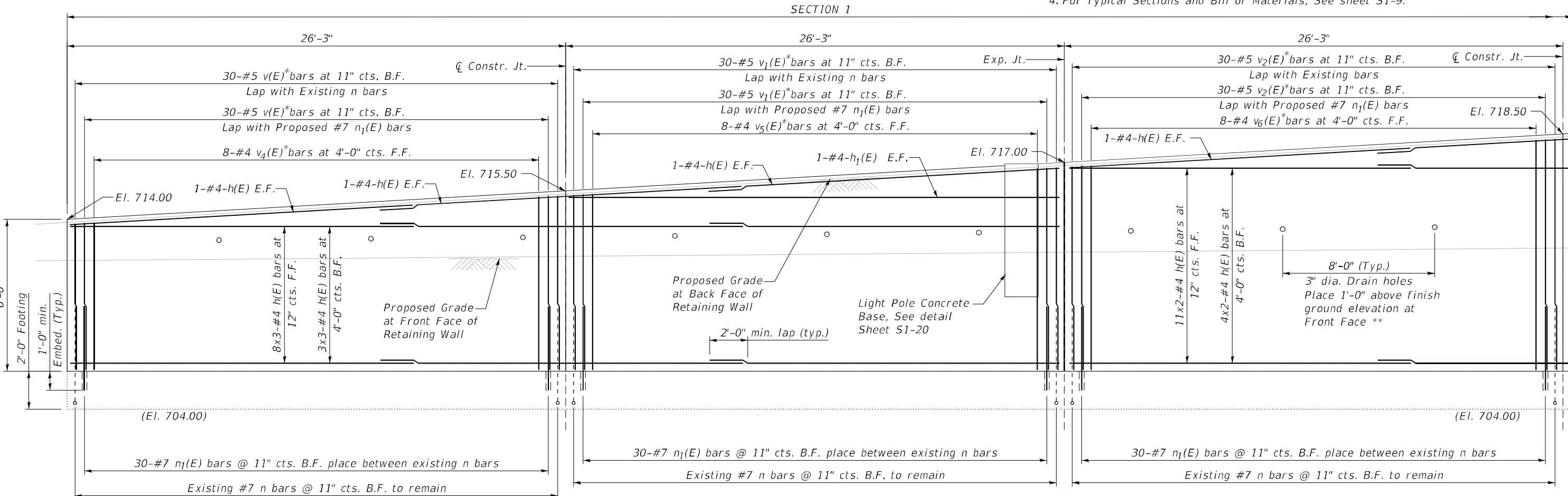
* Order vertical bars full length. Cut bars in field according to Bar Cutting Diagram on sheet S1-4.
 ** Drain holes in new concrete stem wall will not be Paid for separately, but Cost is included in Concrete Structures (Retaining wall). Filter system for drain holes in new concrete shall be according to Article 503.11 of the Standard Specifications and Details on sheet S1-19.

FOOTING PLAN



NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. For proposed Temporary Soil Retention System. See Sheet S1-10.
3. Epoxy grout $n_1(E)$ bars according to Section 584 of the Standard Specifications. Drill to miss the existing reinforcement. Cost included with reinforcement bars, Epoxy coated.
4. For Typical Sections and Bill of Materials, See sheet S1-9.



WALL ELEVATION

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 DELTA ENGINEERING GROUP, LLC



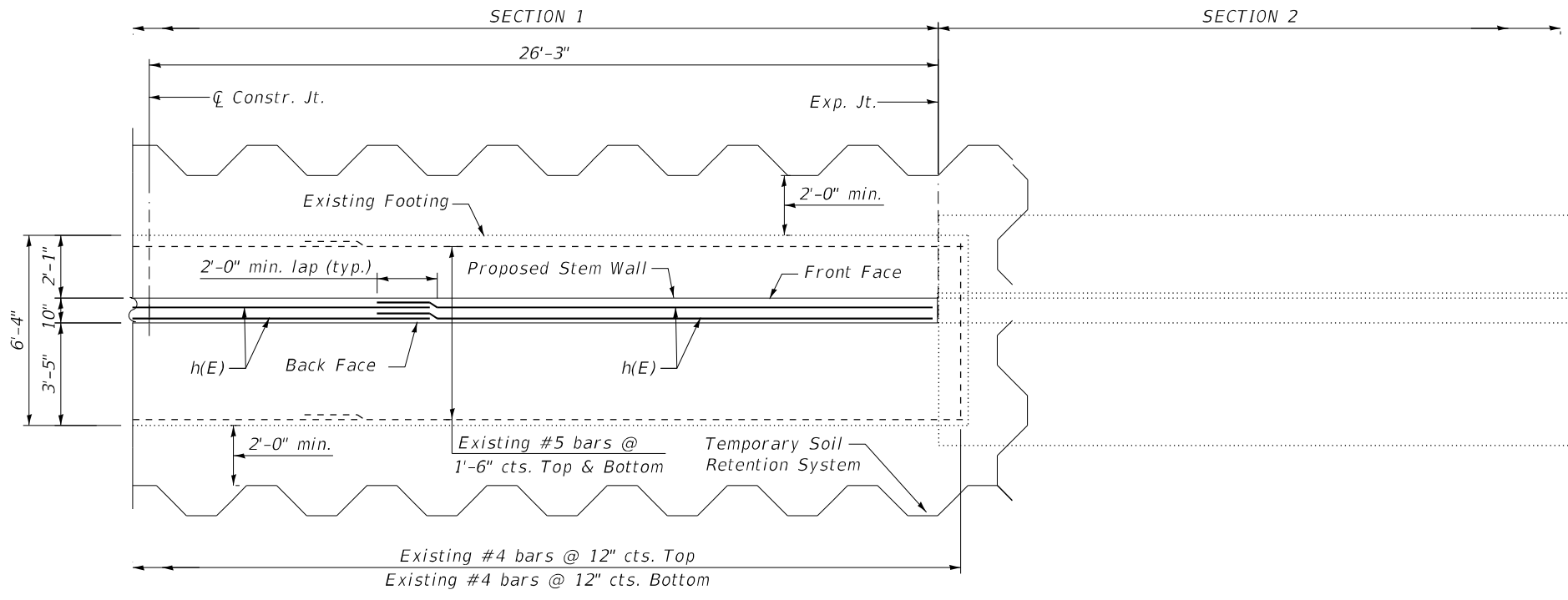
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

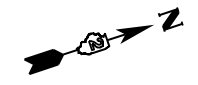
**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
 REINFORCEMENT DETAILS (SECTION 1)**

SCALE: SHEET 53 OF SHEETS STA. TO STA.

F.A.P. RTE. 303	SECTION (1-2)RWR	COUNTY WINNEBAGO	TOTAL SHEETS 79	SHEET NO. 31
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	

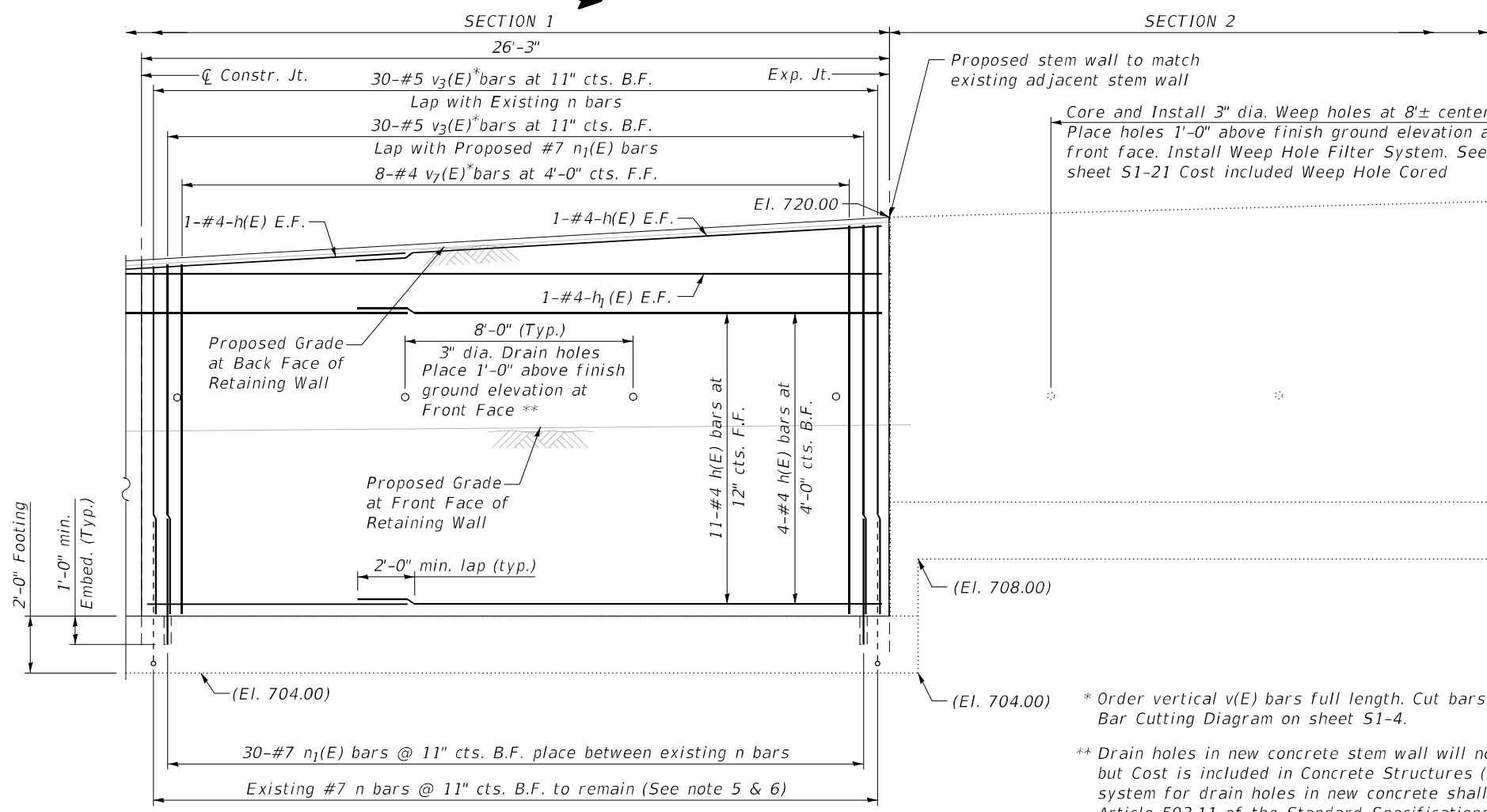


FOOTING PLAN

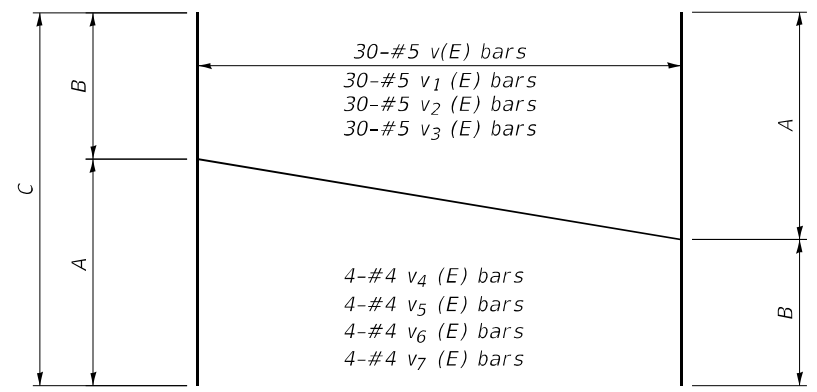


NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. For proposed Temporary Soil Retention System, See Sheet S1-10.
3. Epoxy grout $n_1(E)$ bars according to Section 584 of the Standard Specifications. Drill to miss the existing reinforcement. Cost of bars included with reinforcement bars, Epoxy coated. Cost of drilling and grouting included in Concrete Structures (Retaining Wall)
4. The #7 existing dowel bars must be protected during the existing stem wall removal, must be cleaned and incorporated into the new stem wall.
5. If the existing #7 dowel bars are damaged by the contractor's operation during the stem wall removal, a new #7 dowel bar shall be drilled next to the existing dowel bar with the proper embedment at no expense to the Department.
6. Existing #7 dowel bars shall be inspected after concrete removal. Bars exhibiting more than 20% Section loss shall be replaced.
7. For Typical Sections and Bill of Materials, See sheet S1-9.



WALL ELEVATION



BAR CUTTING DIAGRAM

Bar	A	B	C
$v(E)$	7'-9"	9'-3"	17'-0"
$v_1(E)$	9'-3"	10'-9"	20'-0"
$v_2(E)$	10'-9"	12'-3"	23'-0"
$v_3(E)$	12'-3"	13'-9"	26'-0"
$v_4(E)$	7'-9"	9'-3"	17'-0"
$v_5(E)$	9'-3"	10'-9"	20'-0"
$v_6(E)$	10'-9"	12'-3"	23'-0"
$v_7(E)$	12'-3"	13'-9"	26'-0"

* Order vertical $v(E)$ bars full length. Cut bars in field according to Bar Cutting Diagram on sheet S1-4.

** Drain holes in new concrete stem wall will not be Paid for separately, but Cost is included in Concrete Structures (Retaining wall). Filter system for drain holes in new concrete shall be according to Article 503.11 of the Standard Specifications and Details on sheet S1-19.

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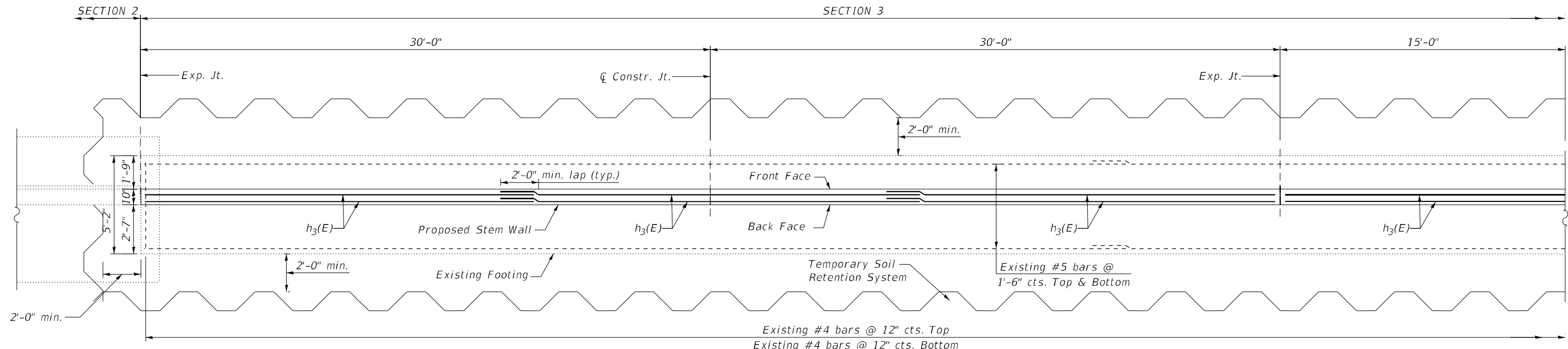
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	DATE = 3/2/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
REINFORCEMENT DETAILS (SECTION 1)**

SCALE: SHEET S4 OF SHEETS STA. TO STA.

F.A.P. RTE. 303	SECTION (1-2)RWR	COUNTY WINNEBAGO	TOTAL SHEETS 79	SHEET NO. 32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	



* Order vertical v(E) bars full length. Cut bars in field according to Bar Cutting Diagram on sheet S1-7

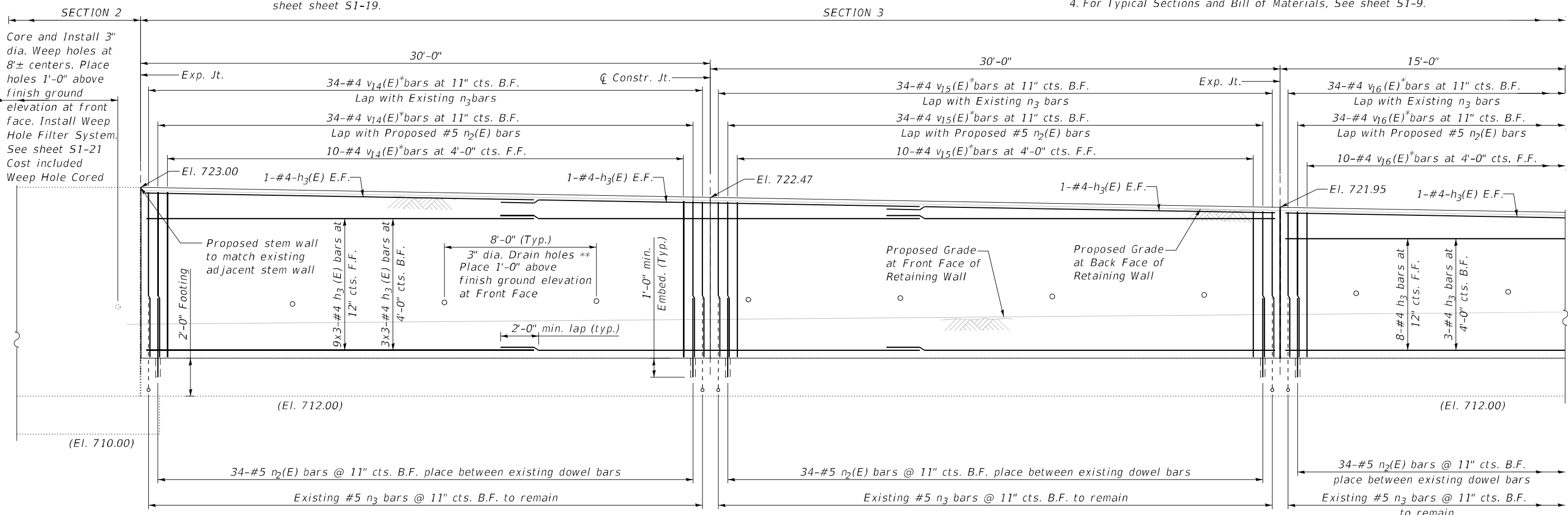
** Drain holes in new concrete stem wall will not be Paid for separately, but Cost is included in Concrete Structures (Retaining Wall). Filter system for drain holes in new concrete shall be according to Article 503.11 of the Standard Specifications and Details on sheet sheet S1-19.

FOOTING PLAN



NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. For proposed Temporary Soil Retention System, See Sheets S1-11 and S1-12.
3. Epoxy grout n₁(E) bars according to Section 584 of the Standard Specifications. Drill to miss the existing reinforcement. Cost included with reinforcement bars, Epoxy coated.
4. For Typical Sections and Bill of Materials, See sheet S1-9.



WALL ELEVATION

S1-5

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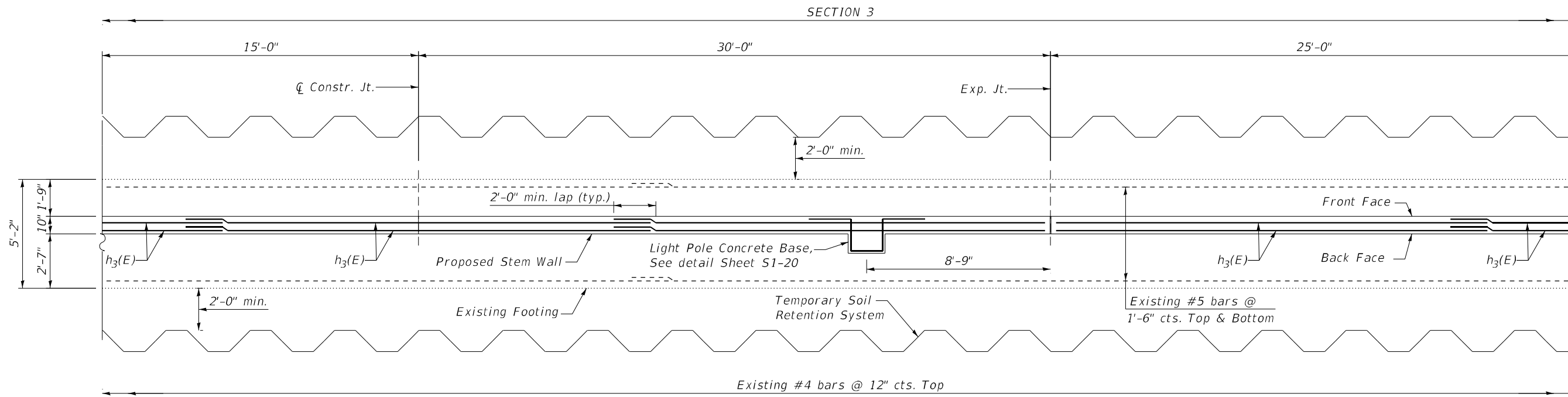
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
REINFORCEMENT DETAILS (SECTION 3)**

SCALE: SHEET 55 OF SHEETS STA. TO STA.

F.A.P. RTE. 303	SECTION (1-2)RWR	COUNTY WINNEBAGO	TOTAL SHEETS 79	SHEET NO. 33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	



* Order vertical v(E) bars full length. Cut bars in field according to Bar Cutting Diagram on sheet S1-7.

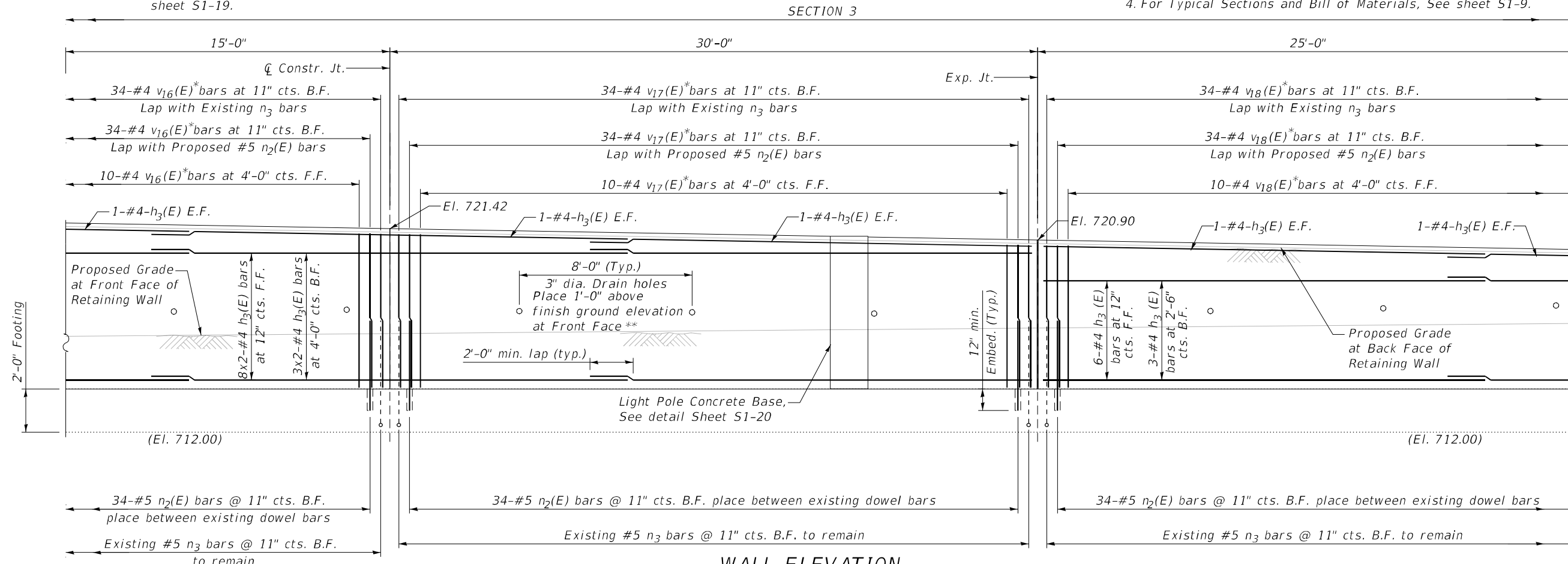
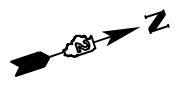
** Drain holes in new concrete stem wall will not be Paid for separately, but Cost is included in Concrete Structures (Retaining wall). Filter system for drain holes in new concrete shall be according to Article 503.11 of the Standard Specifications and Details on sheet S1-19.

Existing #4 bars @ 12" cts. Top
Existing #4 bars @ 12" cts. Bottom

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. For proposed Temporary Soil Retention System, See Sheets S1-11 and S1-12.
3. Epoxy grout $n_1(E)$ bars according to Section 584 of the Standard Specifications. Drill to miss the existing reinforcement. Cost included with reinforcement bars, Epoxy coated.
4. For Typical Sections and Bill of Materials, See sheet S1-9.

FOOTING PLAN



WALL ELEVATION

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DATE - 3/2/2021	REVISIONS	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
REINFORCEMENT DETAILS (SECTION 3)**

SCALE: SHEET 56 OF SHEETS STA. TO STA.

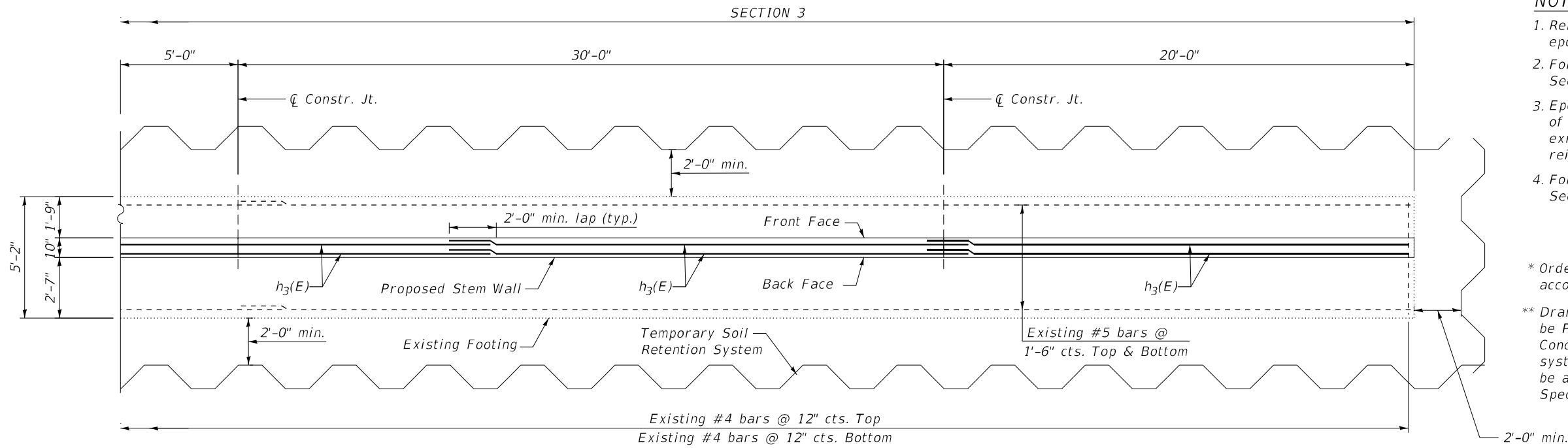
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	

NOTES:

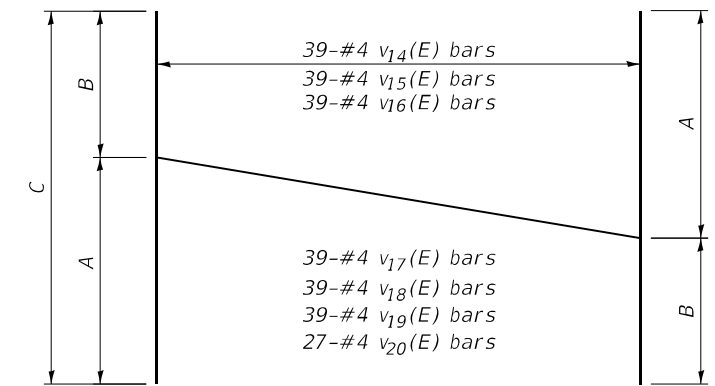
1. Reinforcement bars designated (E) shall be epoxy coated.
2. For proposed Temporary Soil Retention System, See Sheets S1-11 and S1-12.
3. Epoxy grout $n_1(E)$ bars according to Section 584 of the Standard Specifications. Drill to miss the existing reinforcement. Cost included with reinforcement bars, Epoxy coated.
4. For Typical Sections and Bill of Materials, See sheet S1-9.

* Order vertical $v(E)$ bars full length. Cut bars in field according to Bar Cutting Diagram on sheet S1-7

** Drain holes in new concrete stem wall will not be Paid for separately, but Cost is included in Concrete Structures (Retaining wall). Filter system for drain holes in new concrete shall be according to Article 503.11 of the Standard Specifications and Details on sheet sheet S1-19.

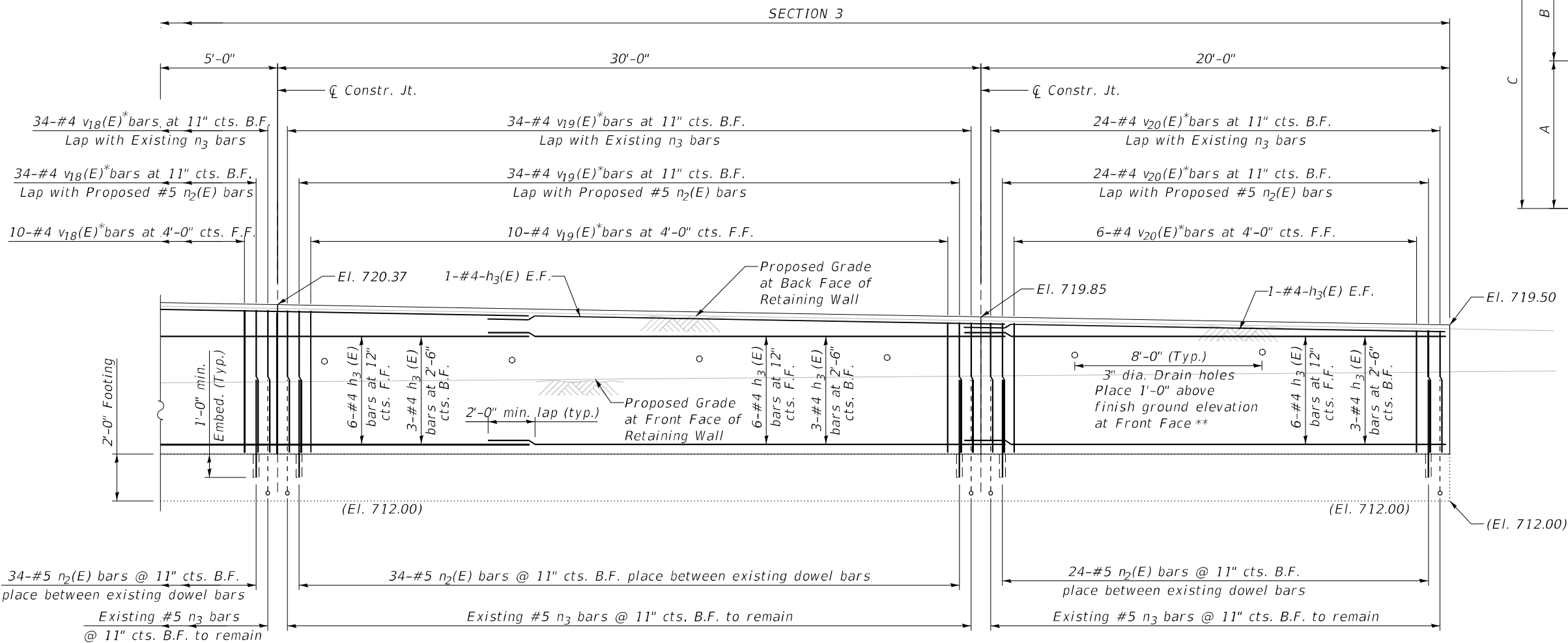


FOOTING PLAN



BAR CUTTING DIAGRAM

Bar	A	B	C
$v_{14}(E)$	8'-9"	8'-3"	17'-0"
$v_{15}(E)$	8'-3"	7'-9"	16'-0"
$v_{16}(E)$	7'-9"	7'-3"	15'-0"
$v_{17}(E)$	7'-3"	6'-8"	13'-11"
$v_{18}(E)$	6'-8"	6'-2"	12'-10"
$v_{19}(E)$	6'-2"	5'-7"	11'-9"
$v_{20}(E)$	5'-7"	5'-3"	10'-10"



WALL ELEVATION

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DESIGNED - SMK
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 DATE - 3/2/2021

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
REINFORCEMENT DETAILS (SECTION 3)

SCALE: SHEET 57 OF SHEETS STA. TO STA.

F.A.P. RTE. 303 SECTION (1-2)RWR COUNTY WINNEBAGO TOTAL SHEETS 79 SHEET NO. 35 CONTRACT NO. 64N49 ILLINOIS FED. AID PROJECT

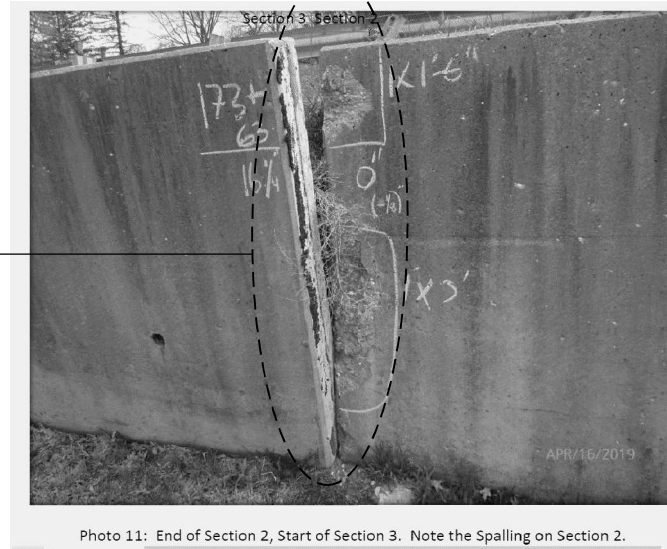
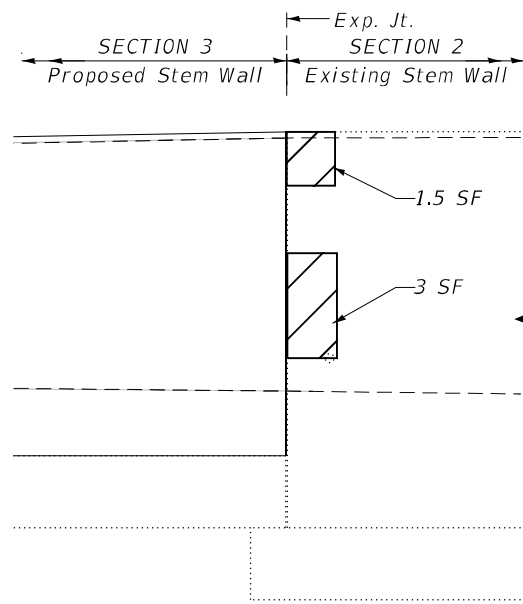


Photo 11: End of Section 2, Start of Section 3. Note the Spalling on Section 2.

FRONT FACE WALL ELEVATION - SECTION 2
(LOOKING SOUTH)

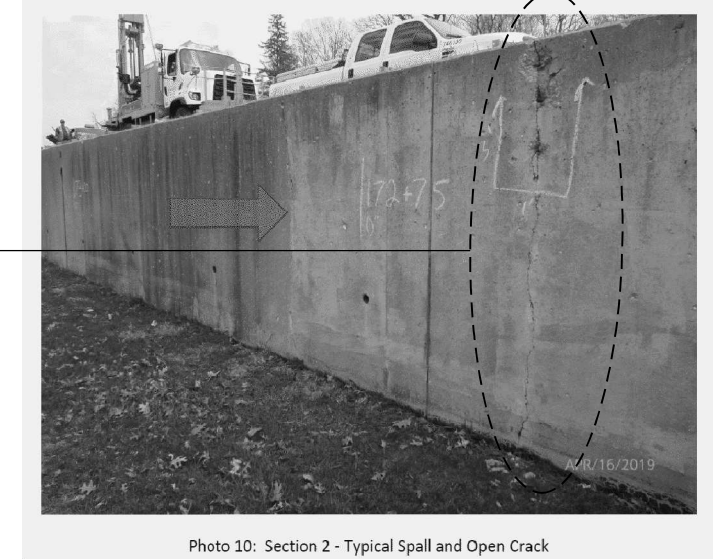
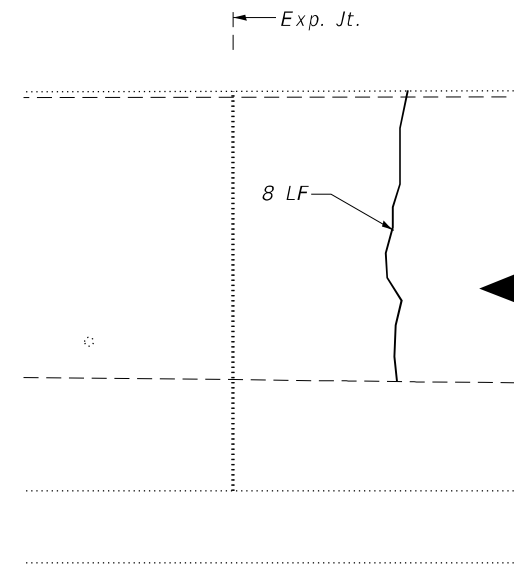


Photo 10: Section 2 - Typical Spall and Open Crack

FRONT FACE WALL ELEVATION - SECTION 2
(LOOKING SOUTH)

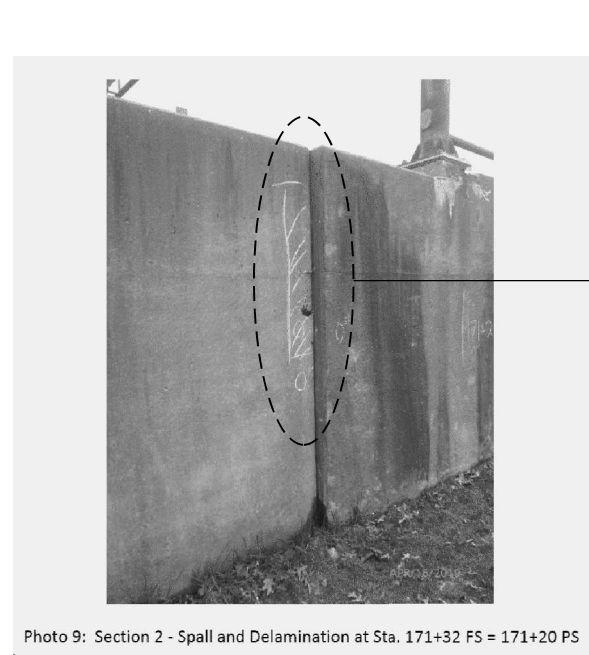


Photo 9: Section 2 - Spall and Delamination at Sta. 171+32 FS = 171+20 PS

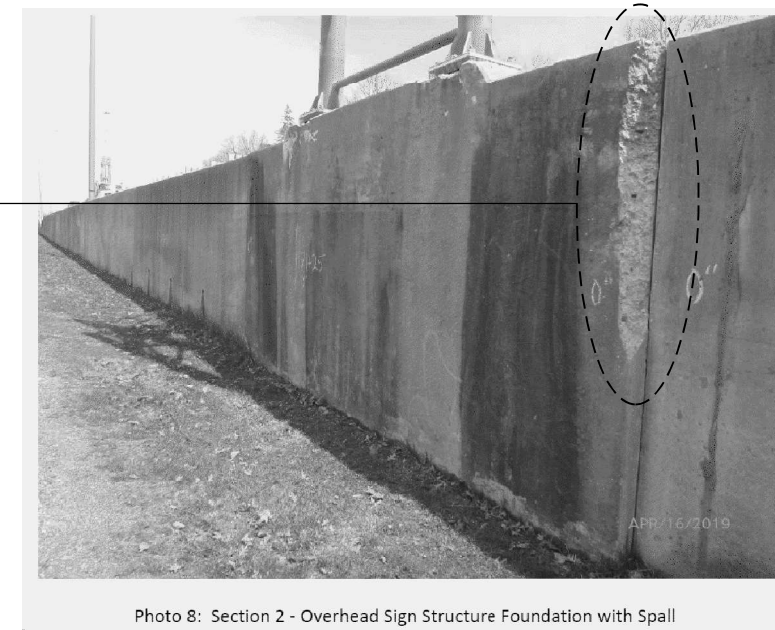
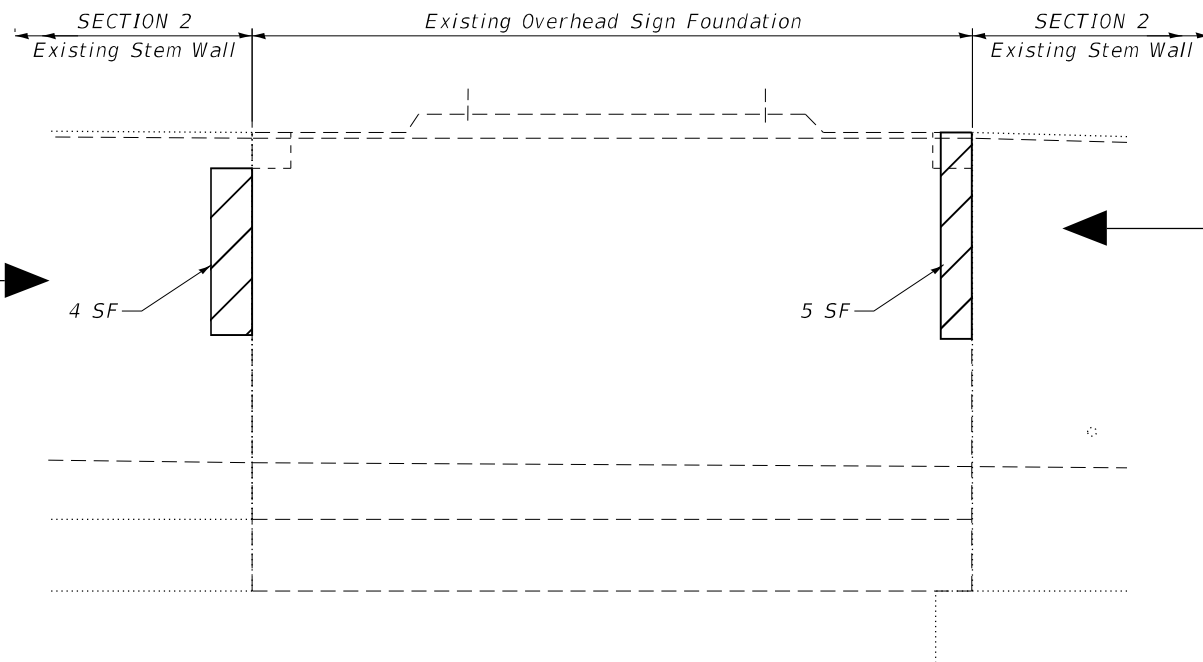


Photo 8: Section 2 - Overhead Sign Structure Foundation with Spall

FRONT FACE WALL ELEVATION - SECTION 2
(LOOKING SOUTH)

NOTES:

1. See sheet S1-19 for Joint Detail between Section 1 and Section 2, and Section 2 and Section 3.
2. Extra quantities of Structural Repair of Concrete and Epoxy Injection have been added in case if Resident Engineer finds any Spalls/Delams or Cracks.

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY
Epoxy Crack Injection	Foot	14
Structural Repair of Concrete (Depth Equal to or Less Than 5 inch)	Sq Ft	14

LEGEND:

- Structural Repair of Concrete (Depth Equal to or Less than 5")
- Low Pressure Epoxy Injection (Width > 0.06")
- Replace Preformed Joint Filler
- SF Square Foot
- LF Linear Foot

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 DATE - 3/2/2021

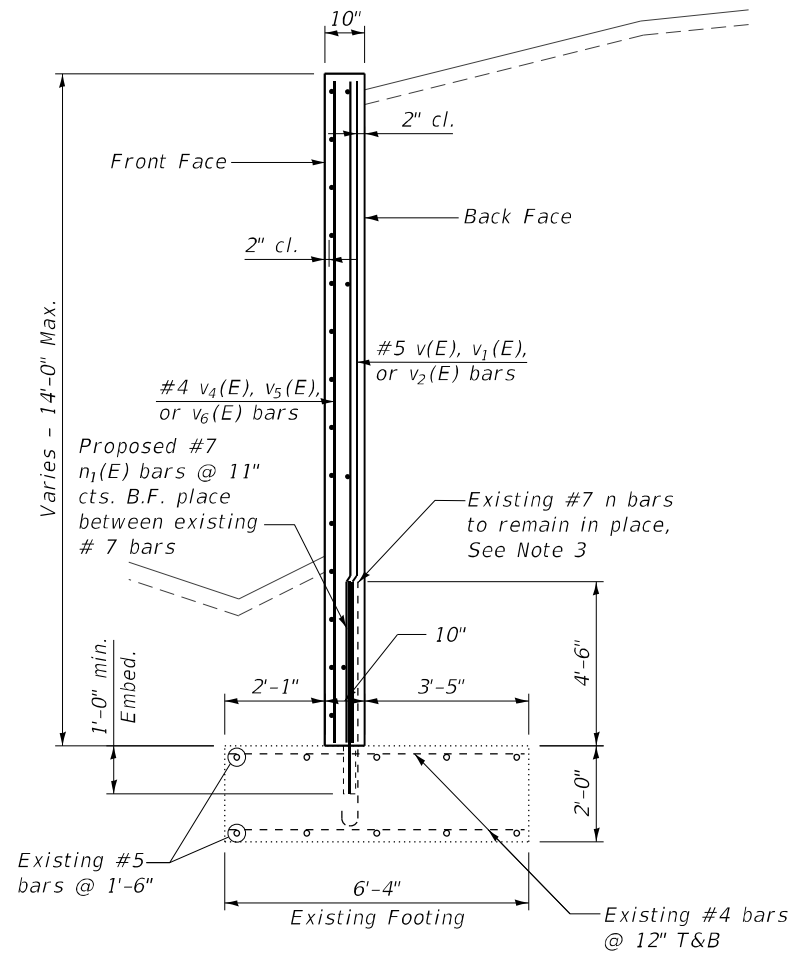
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
 CONCRETE WALL REPAIR - SECTION 2**

SCALE: SHEET 58 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	36
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				



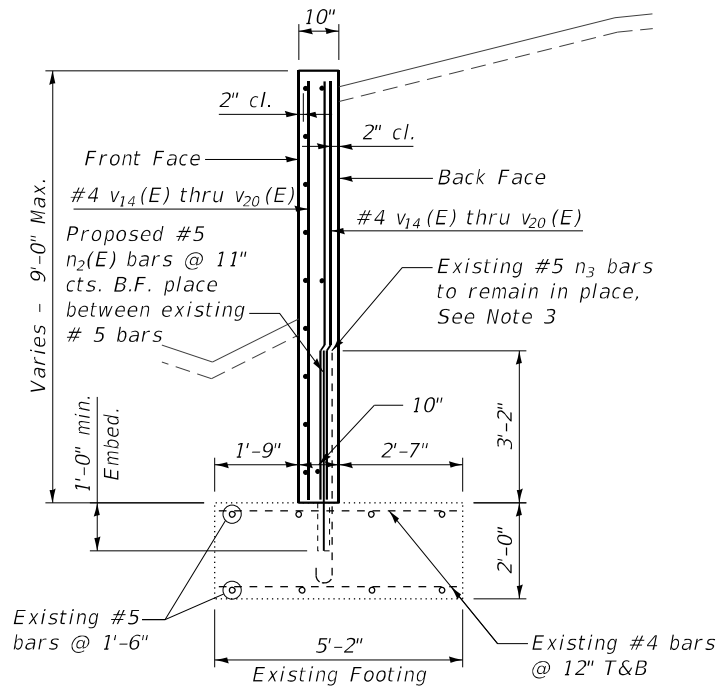
TYPICAL SECTION DETAILS (SECTION 1)

BILL OF MATERIAL (SECTION 1)

Mark	No.	Size	Length	Shape
h(E)	90	#4	18'-9"	—————
h1(E)	4	#4	26'-0"	—————
n1(E)	120	#7	5'-6"	—————
v(E)	30	#5	17'-0"	—————
v1(E)	30	#5	20'-0"	—————
v2(E)	30	#5	23'-0"	—————
v3(E)	30	#5	26'-0"	—————
v4(E)	4	#4	17'-0"	—————
v5(E)	4	#4	20'-0"	—————
v6(E)	4	#4	23'-0"	—————
v7(E)	4	#4	26'-0"	—————

Bars indicated thus 1X2-#5 etc. Indicates 1 line of bars with 2 lengths per line.

Total weight of reinforcement bars for section 1 is 5523 lbs.



TYPICAL SECTION DETAILS (SECTION 3)

BILL OF MATERIAL (SECTION 3)

Mark	No.	Size	Length	Shape
h3(E)	125	#4	21'-6"	—————
n2(E)	228	#5	4'-2"	—————
v14(E)	39	#4	17'-0"	—————
v15(E)	39	#4	16'-0"	—————
v16(E)	39	#4	15'-0"	—————
v17(E)	39	#4	13'-11"	—————
v18(E)	39	#4	12'-10"	—————
v19(E)	39	#4	11'-9"	—————
v20(E)	27	#4	10'-10"	—————

Bars indicated thus 1X2-#5 etc. Indicates 1 line of bars with 2 lengths per line.

Total weight of reinforcement bars for section 3 is 5327 lbs.

NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Epoxy grout all n1(E) and n2(E) bars according to Section 584 of the Standard Specifications. Drill to miss existing reinforcement. Cost included with reinforcement bars, Epoxy coated.
3. Existing dowel bars extending out of footing shall be cleaned, straightened and incorporated into the new construction.
4. Refer the details on sheet S1-21 for Weep Holes Cored with filter system.

MODEL: I:\MODEL\NAME: FILE: NAME: C:\2023\2023 IDOT: P7B 164 02-015-19 Structural & Roadway: QUICQU03A Design01 CAD002: Sheet37.D2 64N49-1-1 Typical Sections & Details.dgn



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 DRAWN - RM
 CHECKED - SK
 DATE - 3/2/2021

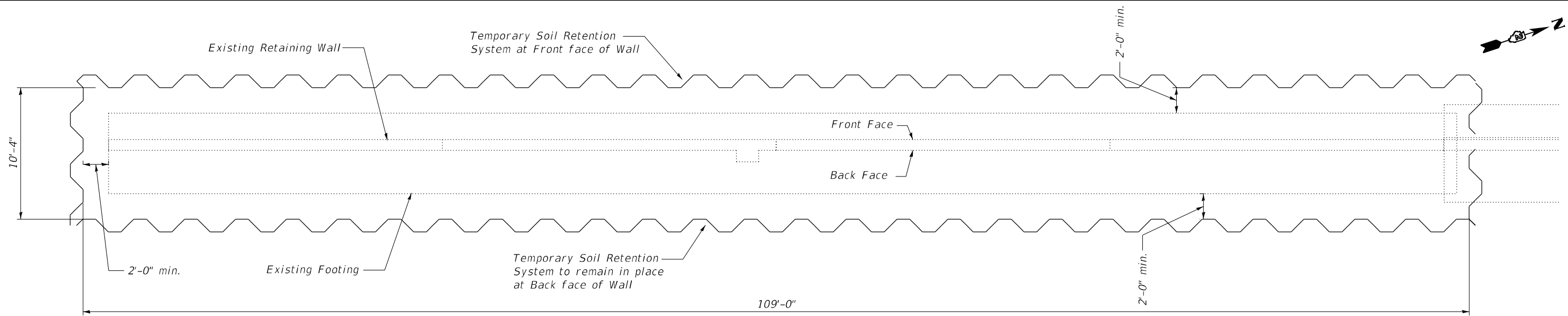
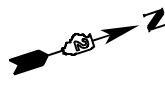
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

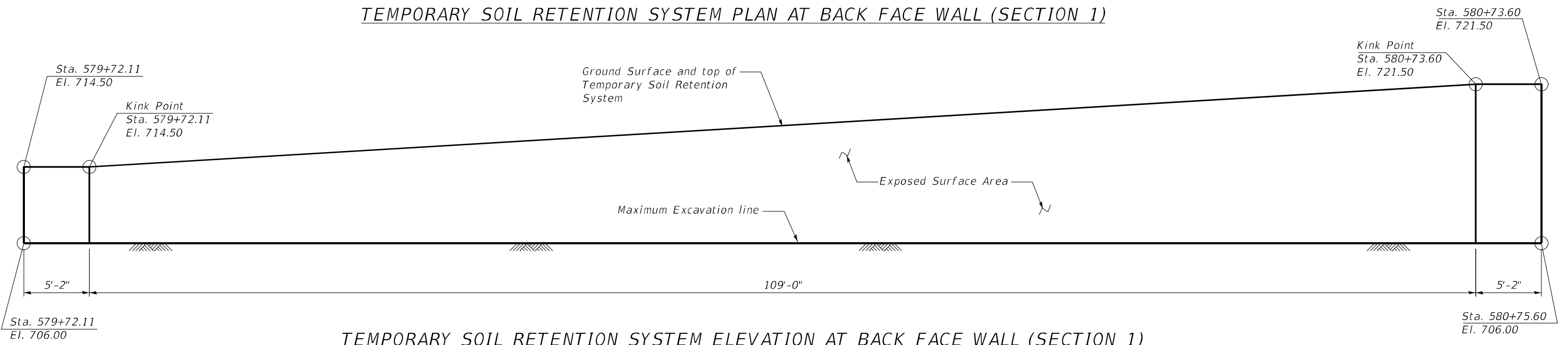
IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
 SECTIONS AND DETAILS

SCALE: SHEET 59 OF SHEETS STA. TO STA.

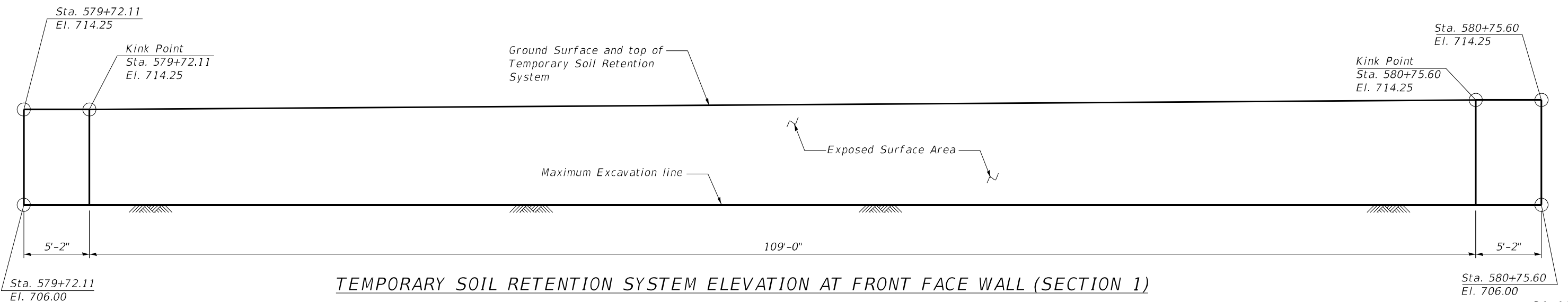
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	



TEMPORARY SOIL RETENTION SYSTEM PLAN AT BACK FACE WALL (SECTION 1)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT BACK FACE WALL (SECTION 1)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT FRONT FACE WALL (SECTION 1)

MODEL: 11081811NAME: FILE NAME: C:\2020\2020 IDOT P1B 164 02-015-19 Structural & Roadway\QUICK003A Design\01_CADD\02_Sheet\38_D2_64N49.rvt; TS&S Plan & Elevation\01.dwg



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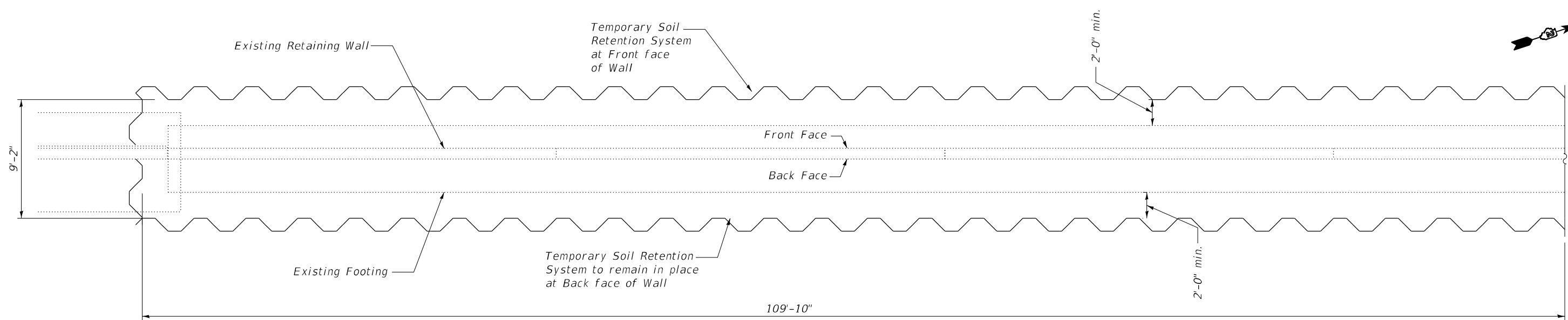
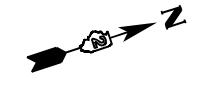
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DATE - 3/2/2021	REVIS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

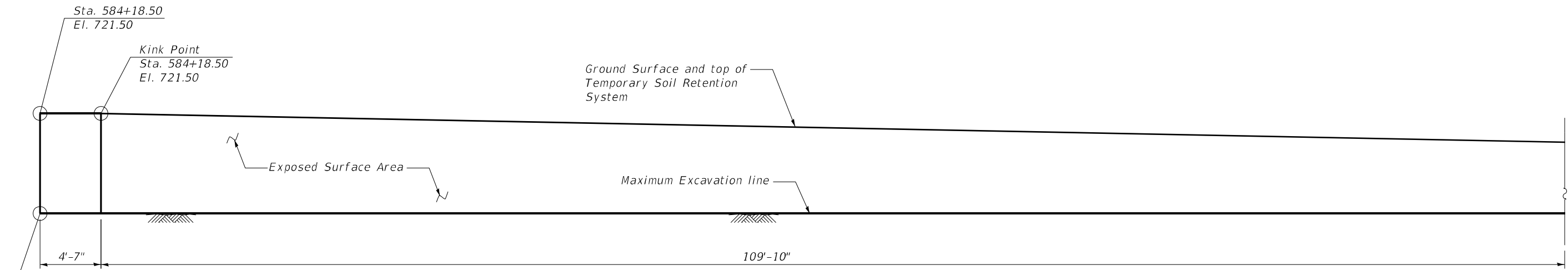
**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
 TEMPORARY SOIL RETENTION SYSTEM DETAILS (SECTION 1)**

SCALE: SHEET 510 OF SHEETS STA. TO STA.

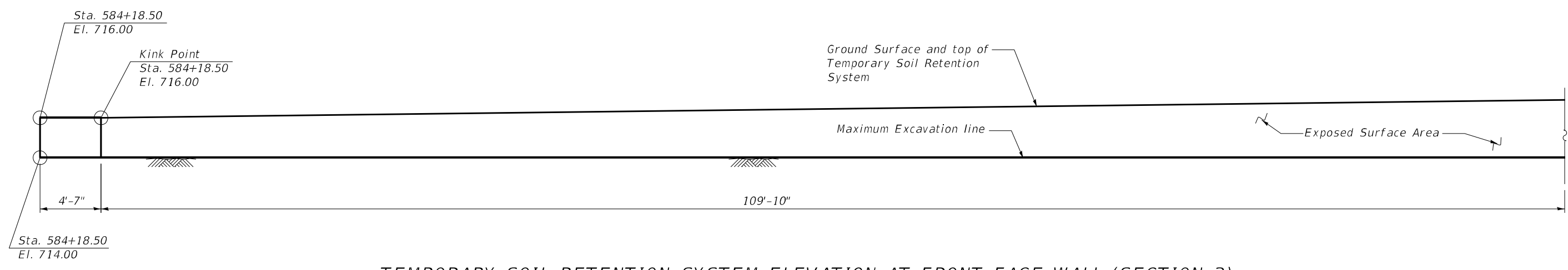
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	



TEMPORARY SOIL RETENTION SYSTEM PLAN AT BACK FACE WALL (SECTION 3)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT BACK FACE WALL (SECTION 3)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT FRONT FACE WALL (SECTION 3)

MODEL: I:\06\DELTA\MS\FILE NAME: C:\2020\03 IDOT P1B 164 02-01-19 Structural & Roadway\QUICK\03A Design\01 CADD\02_Sheet\30_D2_64N49-RWT-TSBS_Plan & Elevation.dwg

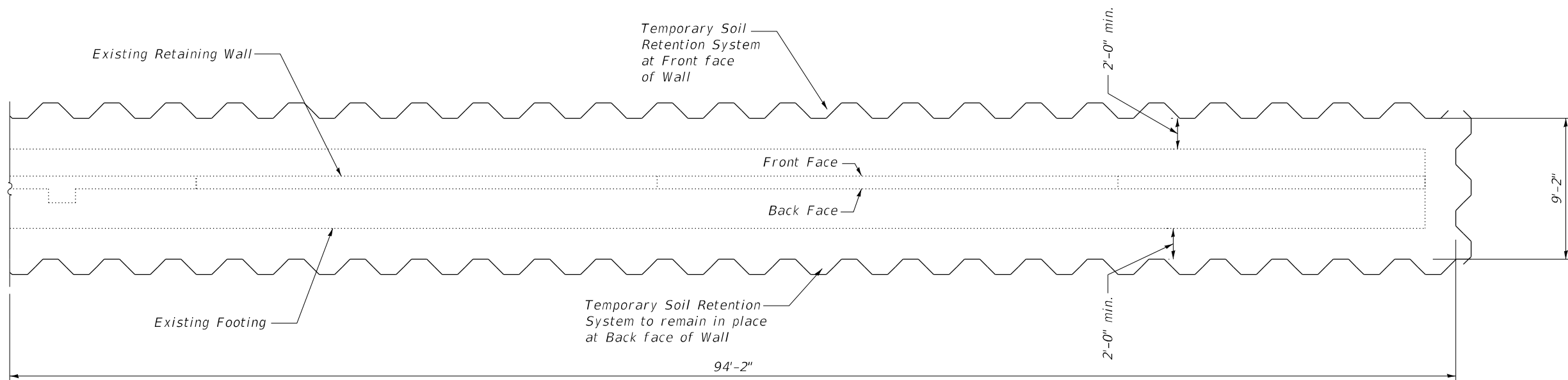


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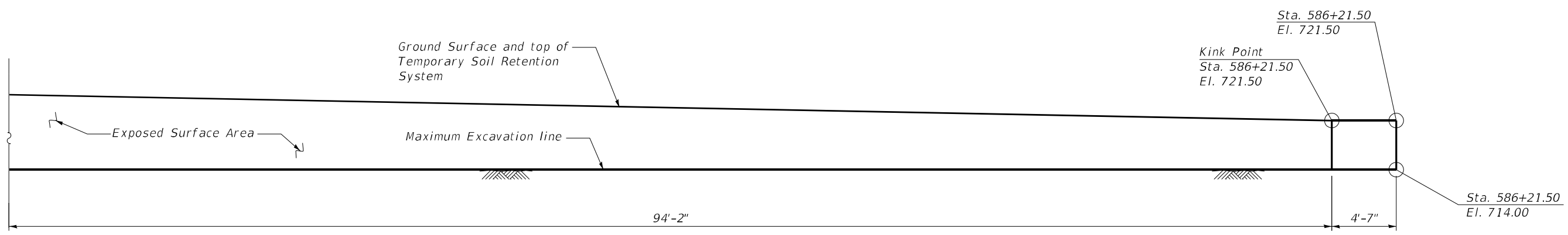
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
TEMPORARY SOIL RETENTION SYSTEM DETAILS (SECTION 3)

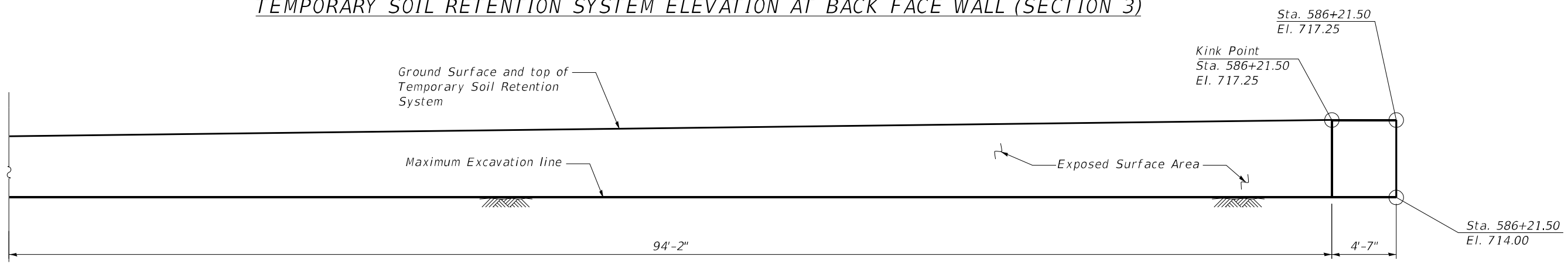
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	39
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				



TEMPORARY SOIL RETENTION SYSTEM PLAN AT BACK FACE WALL (SECTION 3)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT BACK FACE WALL (SECTION 3)



TEMPORARY SOIL RETENTION SYSTEM ELEVATION AT FRONT FACE WALL (SECTION 3)

MODEL: I:\09\DELTA\MS\FILE NAME: C:\2D\2020\DOT_PTB_164_02-01-19 Structural & Roadway\QUICK\03A Design\01_CADD\02_Sheet\02_586+21.50\TSRS_Plan & Elevation\03.dwg
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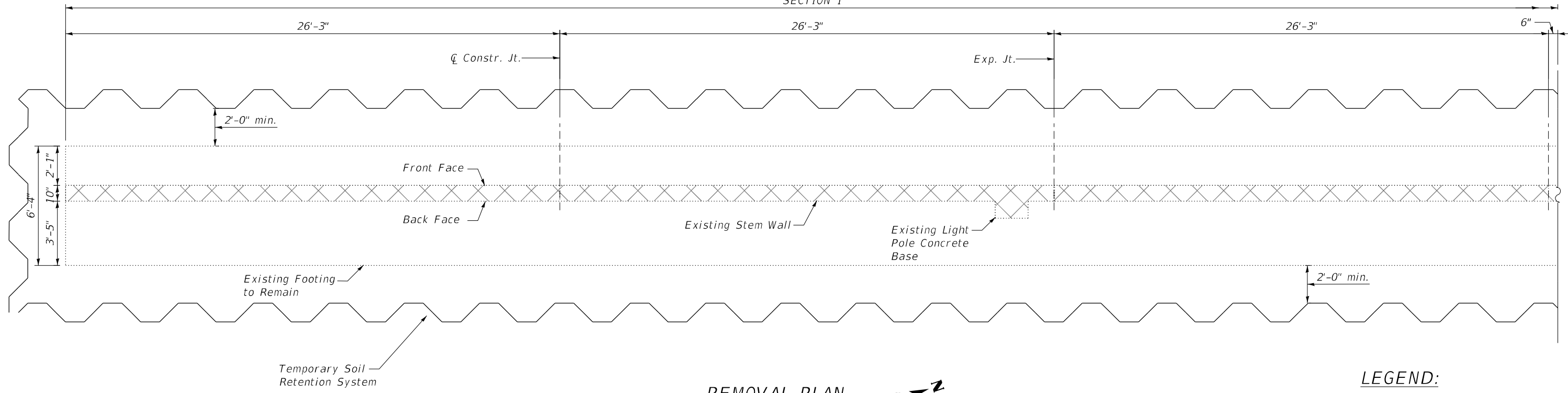
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DRAWN -	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
TEMPORARY SOIL RETENTION SYSTEM DETAILS (SECTION 3)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	40
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

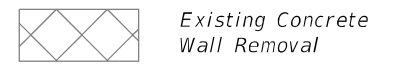
SECTION 1



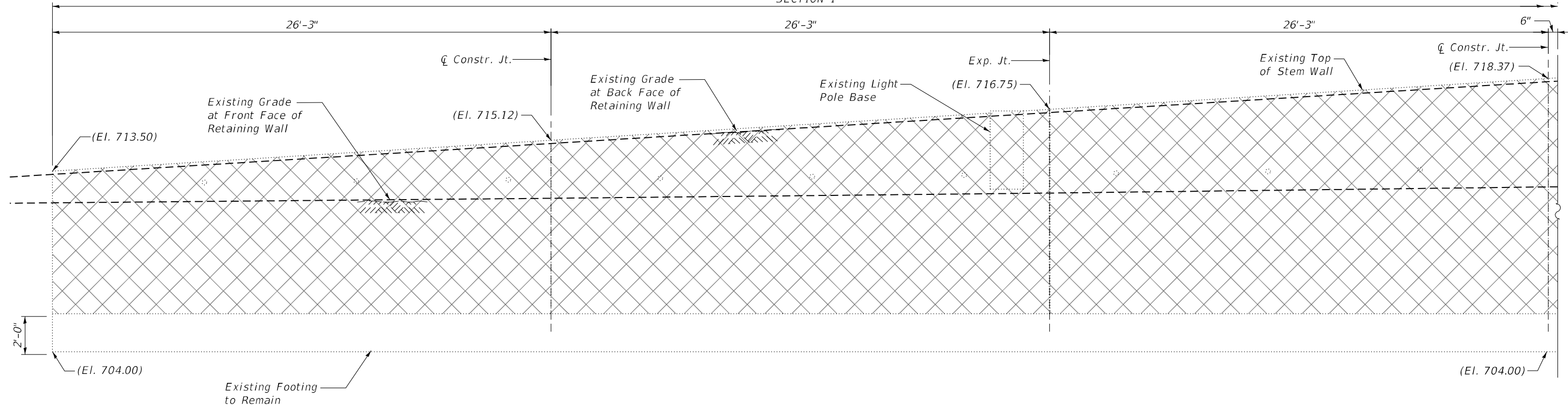
REMOVAL PLAN



LEGEND:



SECTION 1



REMOVAL ELEVATION

MODEL: \\MODEL\NAME: FILE NAME: C:\2020\2020 IDOT P1B 164 02-015-19 Structural & Roadway\QUICK\03A Design\01 CADD\02_Sheet\1 D2 64N49-Removal Plan & Elevation.dgn



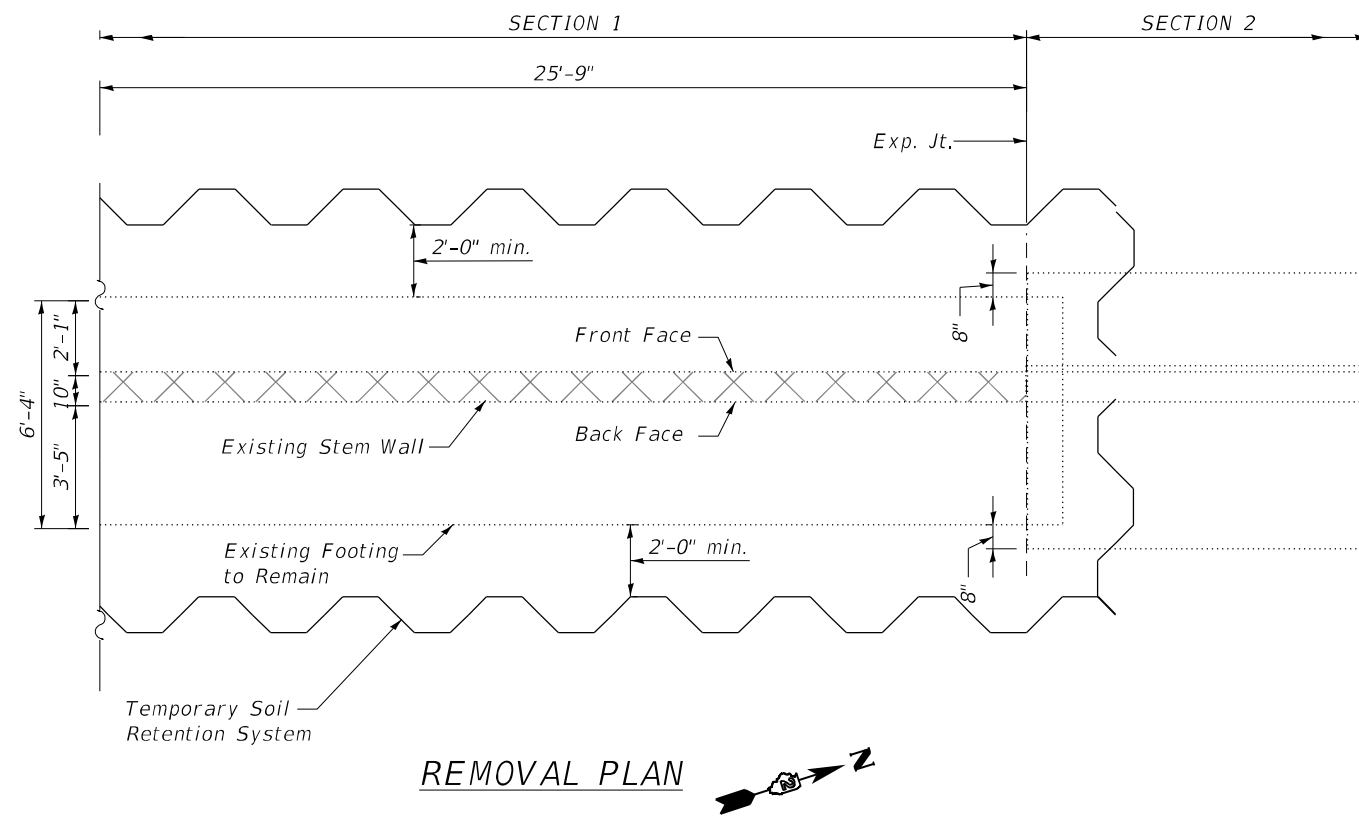
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
CONCRETE REMOVAL (SECTION 1)

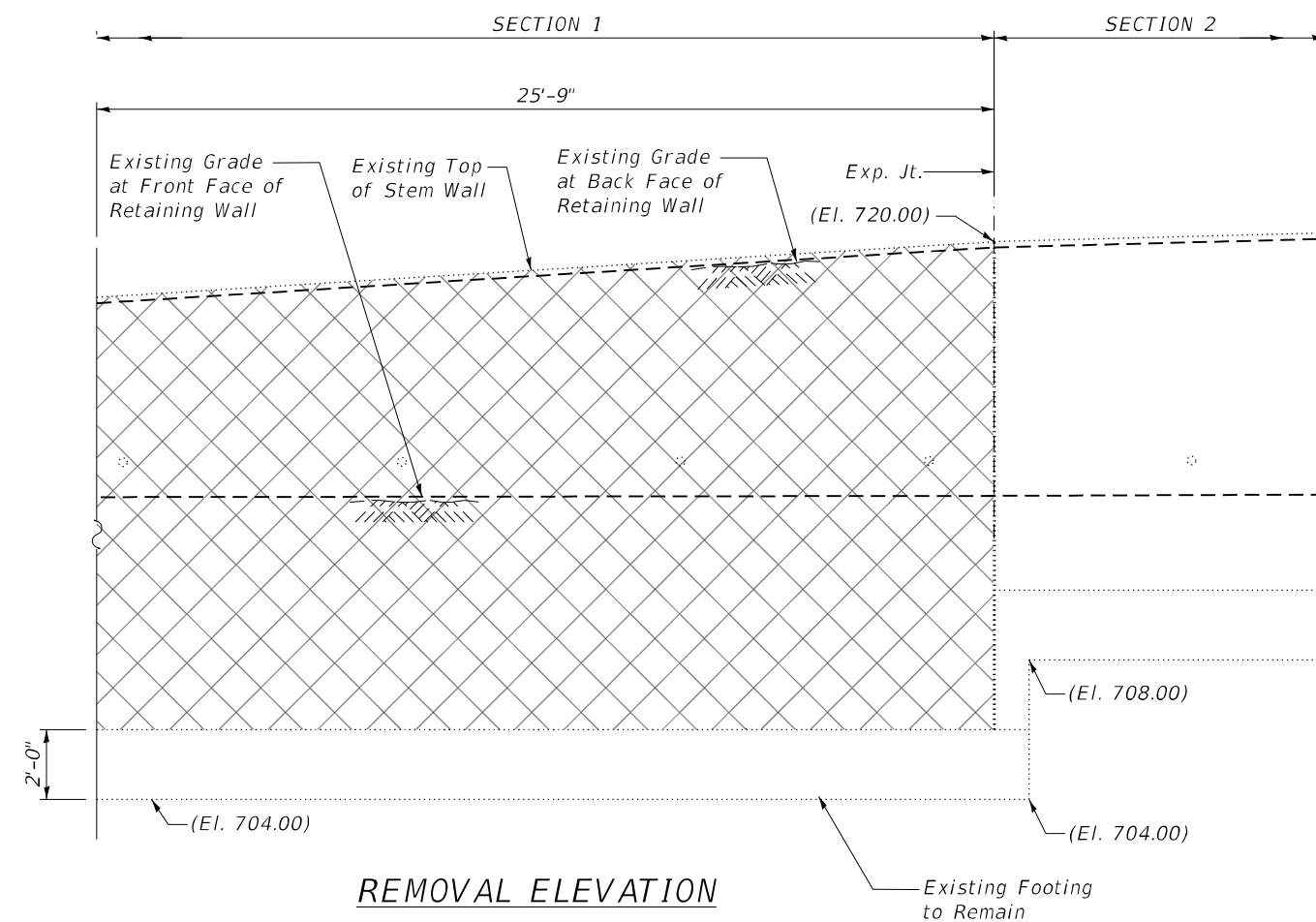
SCALE: SHEET 513 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	41
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				



LEGEND:

 Existing Concrete Wall Removal



MODEL: I:\09\BEN\NAMES
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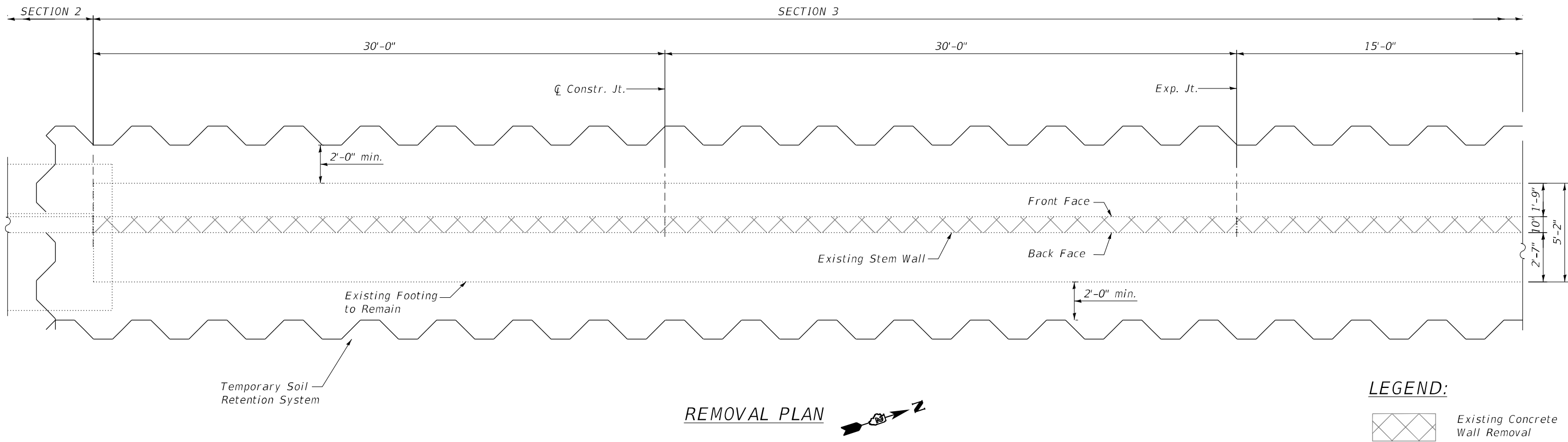
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DRAWN - RM	REVISIONS -	
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
CONCRETE REMOVAL (SECTION 1)**

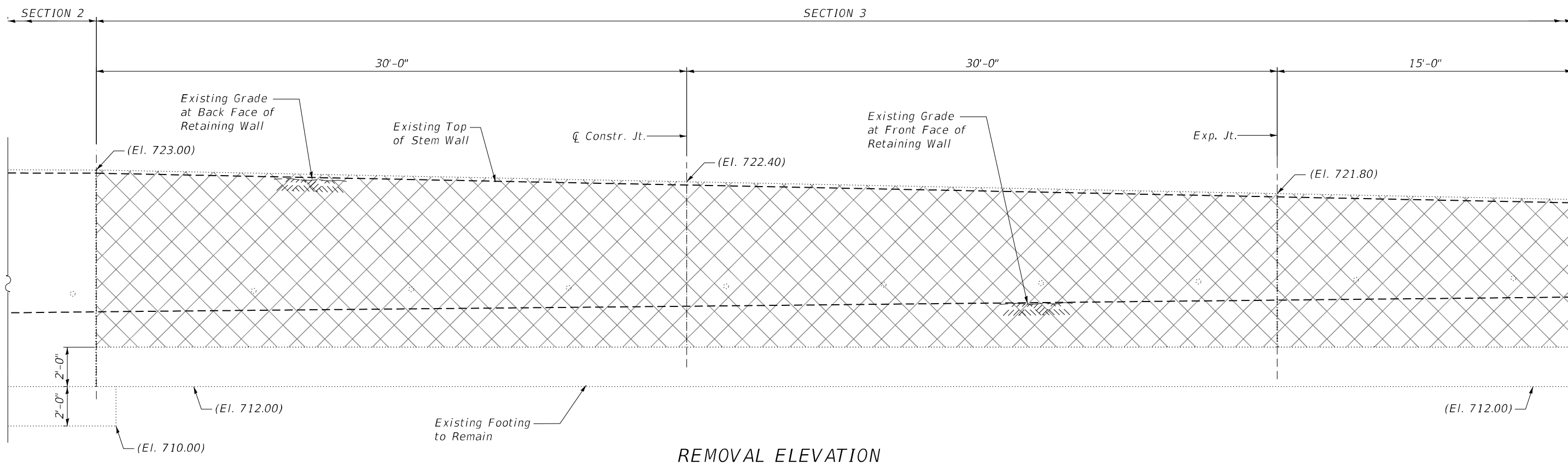
SCALE: SHEET 514 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	



LEGEND:

 Existing Concrete Wall Removal



REMOVAL ELEVATION

MODEL: \\001\BEN\M\MS...
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DRAWN - RM	REVISIONS -	
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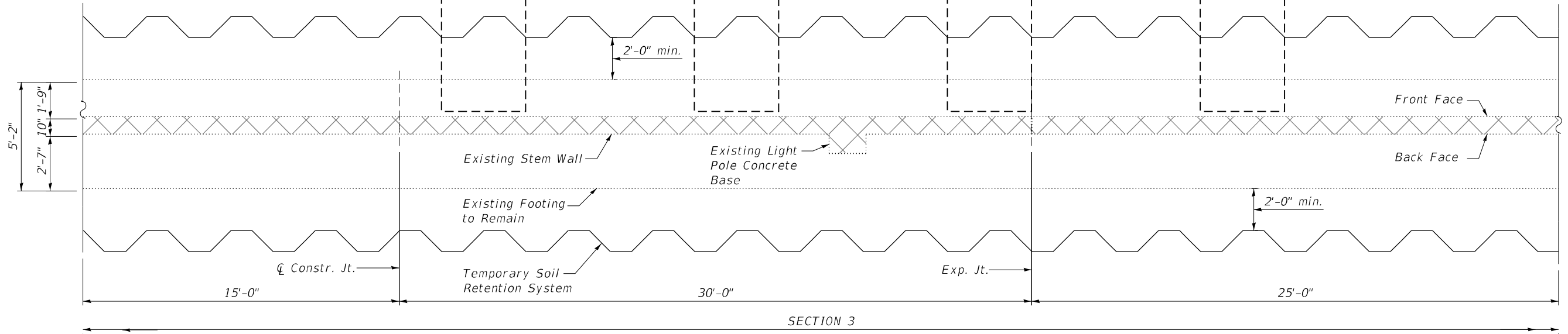
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
CONCRETE REMOVAL (SECTION 3)**

SCALE: SHEET 515 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	43
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

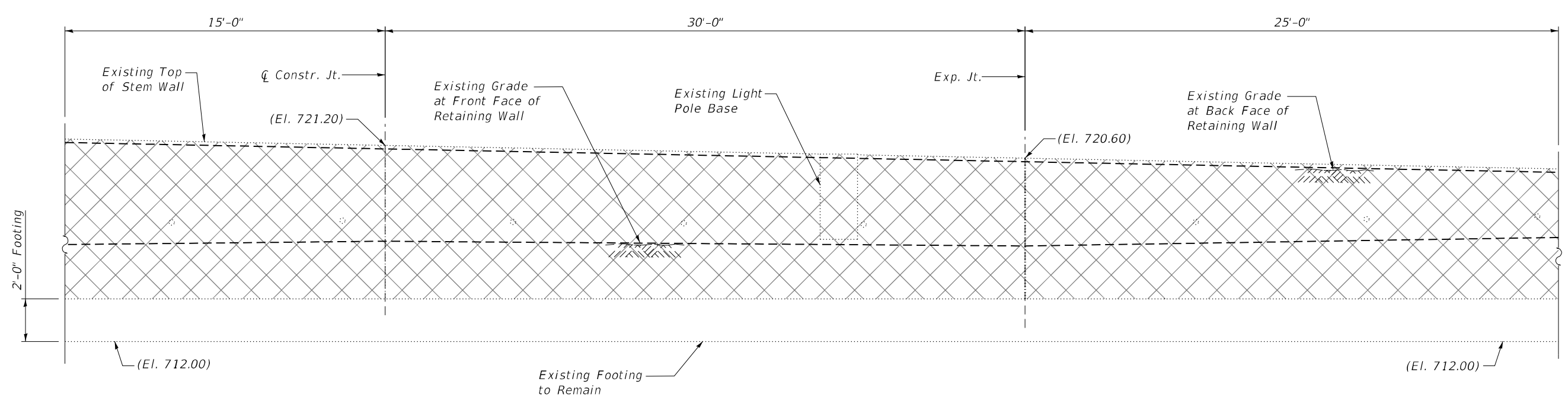
Existing 4'x9' Concrete Pads Supporting Sets of Concrete Blocks To Be Removed (Paid as CONCRETE REMOVAL (SPECIAL), see SP (Typ.)



REMOVAL PLAN

LEGEND:

 Existing Concrete Wall Removal



REMOVAL ELEVATION

MODEL: I:\MODEL\NAME: FILE NAME: C:\2020\2020 IDOT P1B 164 02-015-19 Structural & Roadway\QUICK\03A Design\01 CADD\02_Sheet\44_D2_64N49-Retain\1 Plan & Elevation.dwg



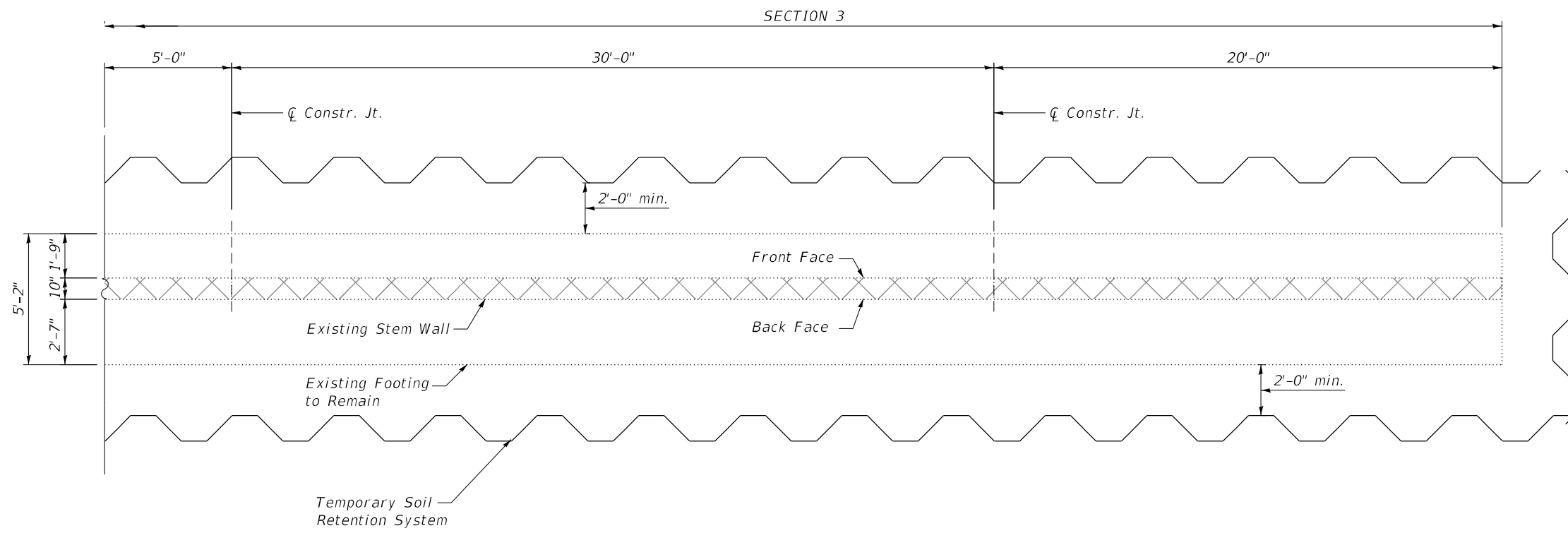
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
CONCRETE REMOVAL (SECTION 3)**

SCALE: SHEET 516 OF SHEETS STA. TO STA.

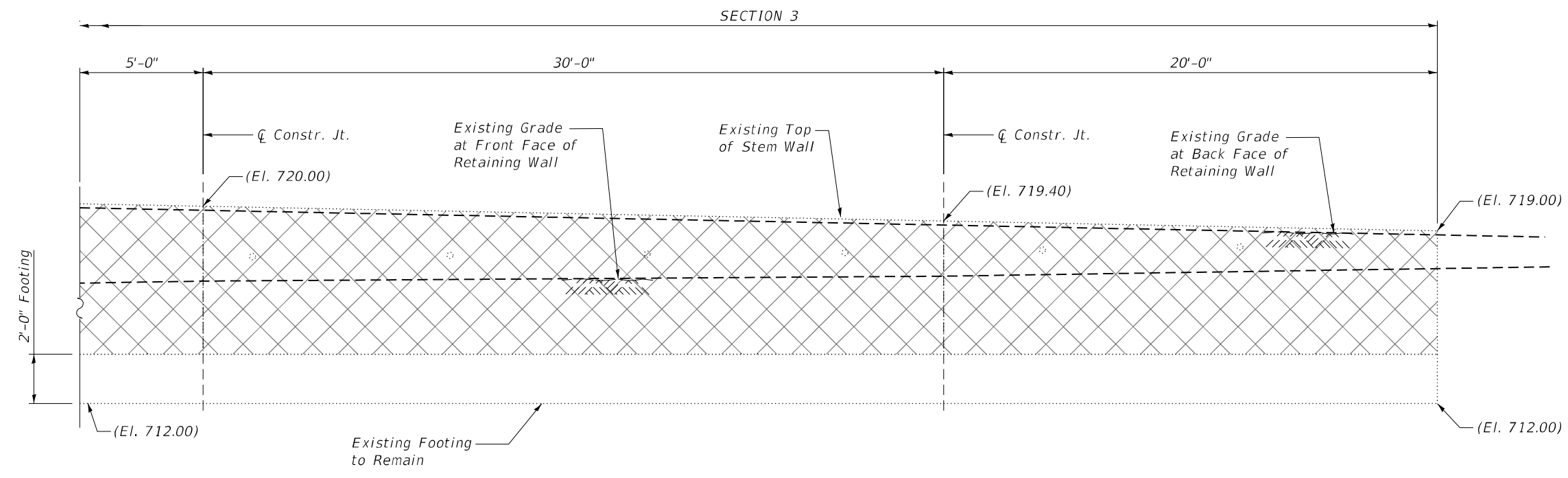
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	44
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				



REMOVAL PLAN



LEGEND:



REMOVAL ELEVATION

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PLOT DATE = 3/2/2021	DATE - 3/2/2021	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
CONCRETE REMOVAL (SECTION 3)

SCALE: SHEET 517 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	45
CONTRACT NO. 64N49			ILLINOIS FED. AID PROJECT	

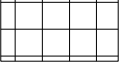

BILL OF MATERIAL

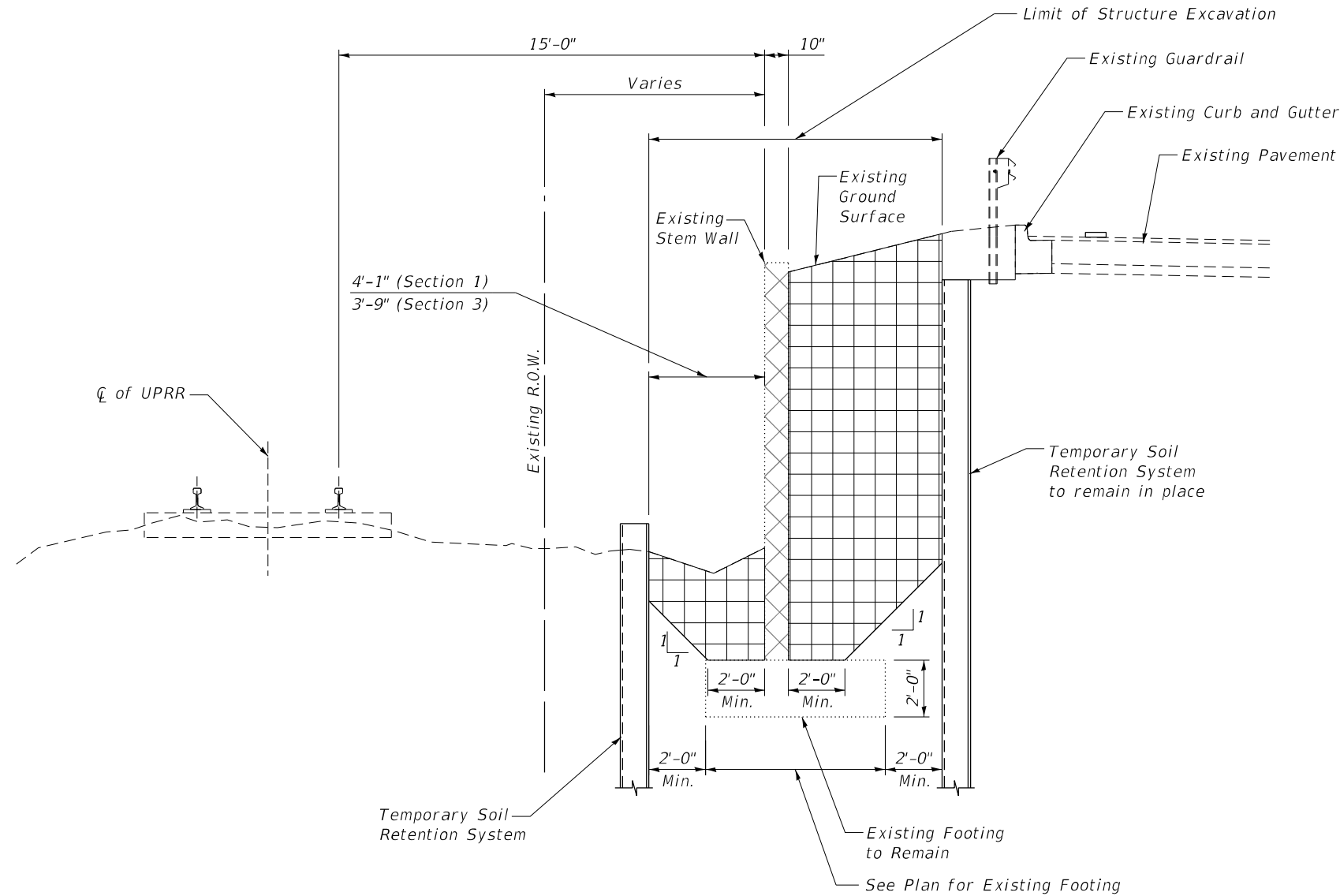
ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	78.50
Structure Excavation	Cu Yd	699

NOTES:

- Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged by Contractor's operation during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with concrete removal.
- Removal of the portion of the failed wall that has fallen shall be removed and shall not be paid for separately and shall be included in Concrete Removal.

LEGEND:

	Structure Excavation
	Existing Concrete Wall Removal



TYPICAL SECTION - STRUCTURE EXCAVATION FOR CONCRETE WALL REMOVAL

MODEL: \\MODEL\NAME: FILE NAME: C:\2020\2020 IDOT P1B 164 02-015-19 Structural & Roadway\QUICK\03A Design\01 CADD\02_Sheet\02_64N49-2H-Excavation_Sections.dwg



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DRAWN - RM	REVISIONS -	
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PLOT DATE = 3/2/2021	DATE - 3/2/2021	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS	
TYPICAL SECTION EXCAVATION	
SCALE:	SHEET 518 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	46
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

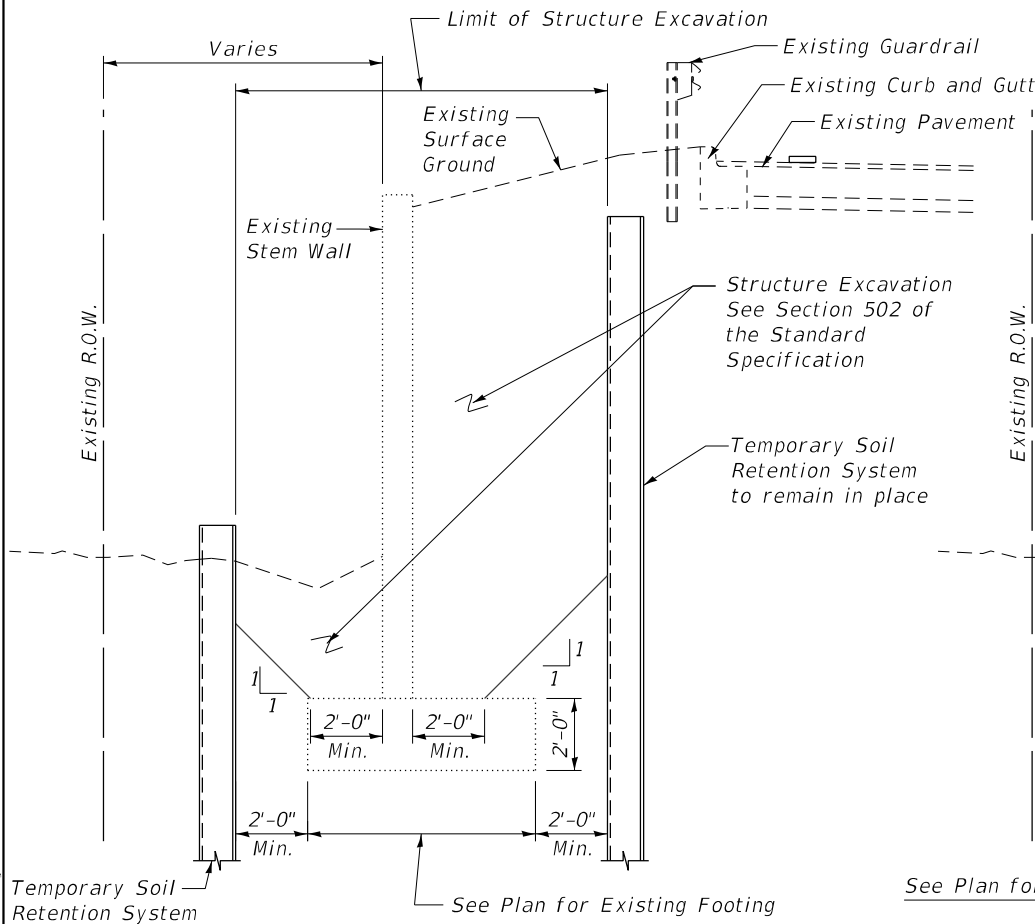
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Geocomposite Wall Drain	Sq Yd	32
Granular Backfill for Structures	Cu Yd	370

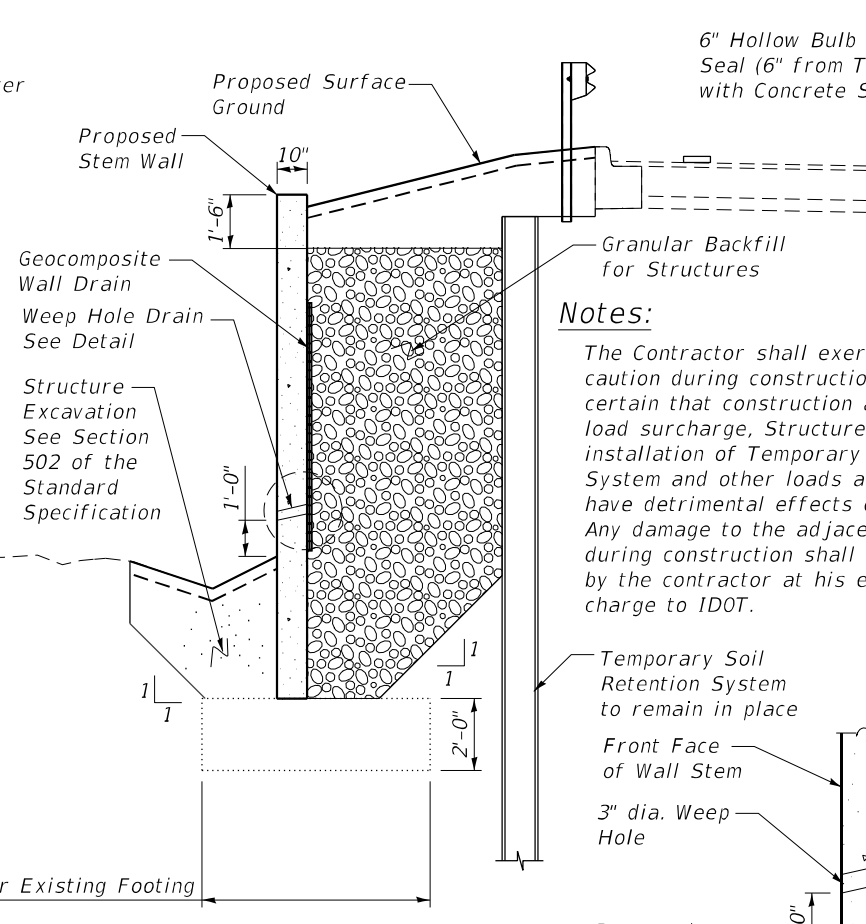
NOTES:

1. Geocomposite Wall Drain shall be placed at the back of each drain hole in Section 1 and 3 of walls. The wall drain shall be 24 inches wide and 48 inches tall. The wall drain shall be centered over the drain hole with bottom located 12 inches below the bottom of the drain hole. All form boards or other obstructions shall be removed from the drain hole before placing Geocomposite wall drain. See Supplemental Standard Specifications 503 adopted January 1, 2021.

2. The 1/2 inch Preformed Joint Filler and Sealing Compound shall not be paid for separately but shall be included in the contract unit price per cubic yard for Concrete Structures (Retaining Wall).



TEMPORARY SOIL RETENTION SYTEM



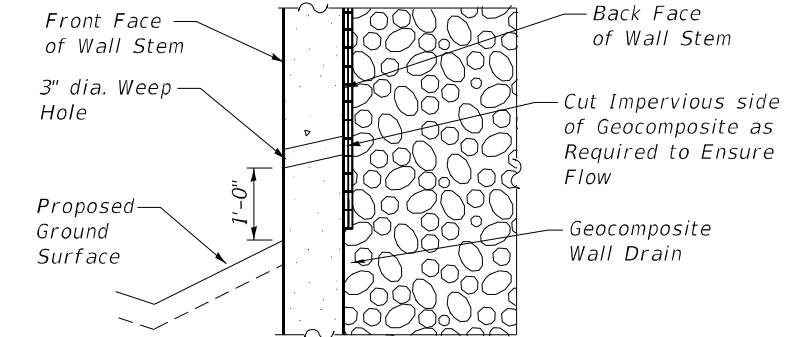
GRANULAR BACKFILL

6" Hollow Bulb Dumbbell Type Nonmetallic Water Seal (6" from Top of Wall to Bottom) Cost Included with Concrete Structures

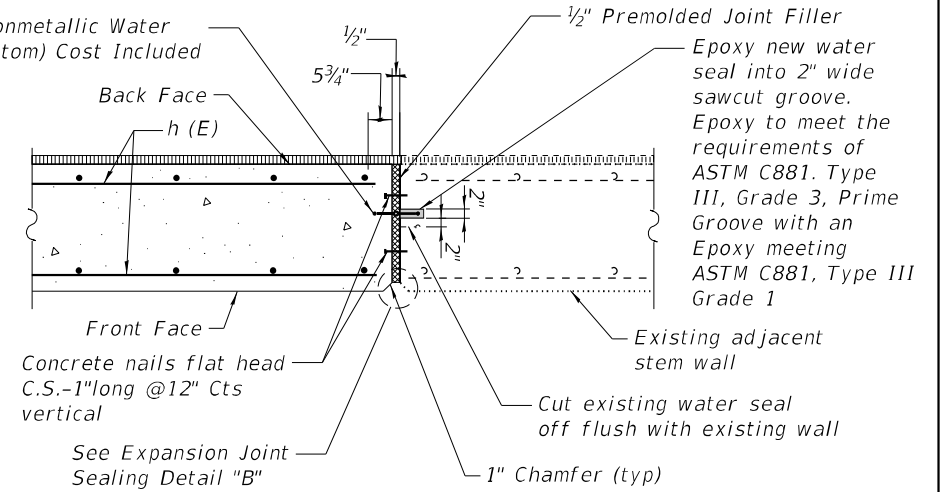
Notes:

The Contractor shall exercise extreme caution during construction to make certain that construction activities, live load surcharge, Structure excavations, installation of Temporary Soil Retention System and other loads applied will not have detrimental effects on the roadway. Any damage to the adjacent roadway during construction shall be repaired by the contractor at his expense at no charge to IDOT.

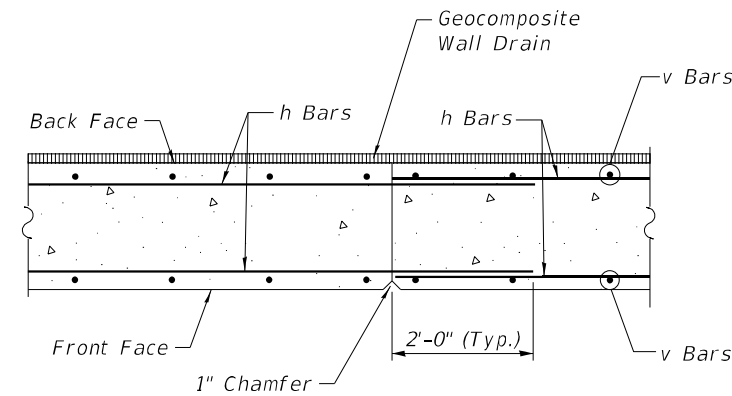
Temporary Soil Retention System to remain in place



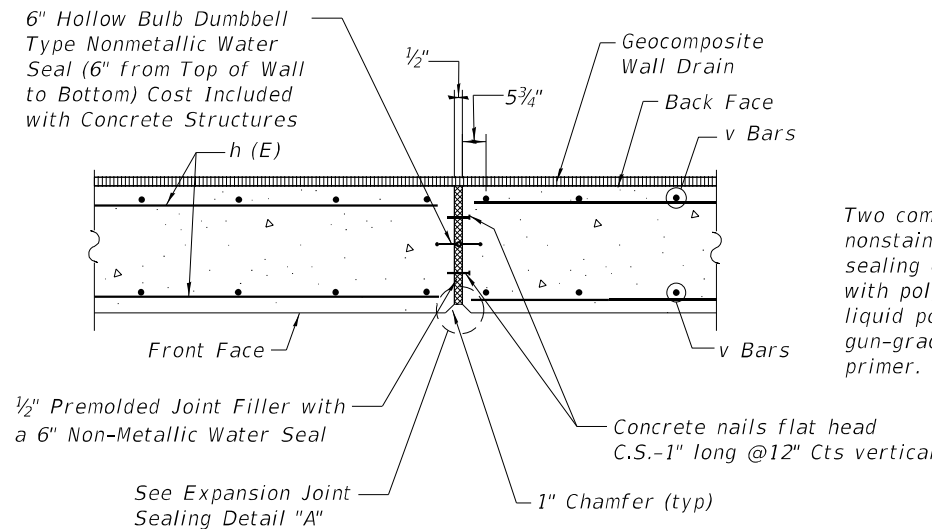
WEEP HOLE DRAIN DETAIL



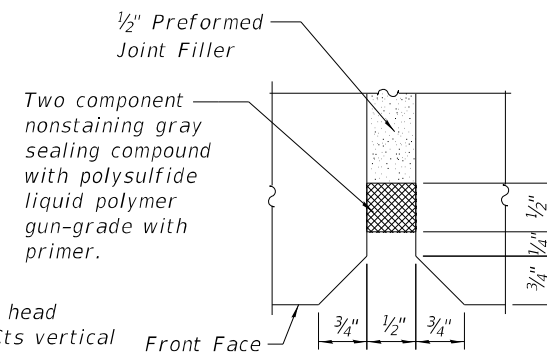
JOINT DETAIL BETWEEN SECTION 1 AND SECTION 2, SECTION 2 AND SECTION 3



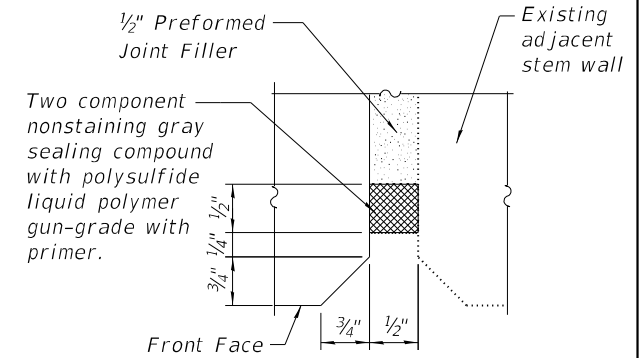
WALL CONSTRUCTION JOINT DETAIL



WALL EXPANSION JOINT DETAIL



EXPANSION JOINT SEALING DETAIL A



EXPANSION JOINT SEALING DETAIL B

MODEL: 1409ELNMF5 FILE NAME: C:\2023\03\DOT PTB 164 02-015-19 Structural & Roadway\QUICG003A Design\01_CADD\02_Sheet\47_D2_64N49-2-Temp_Soil_Retention & Backfill.dgn



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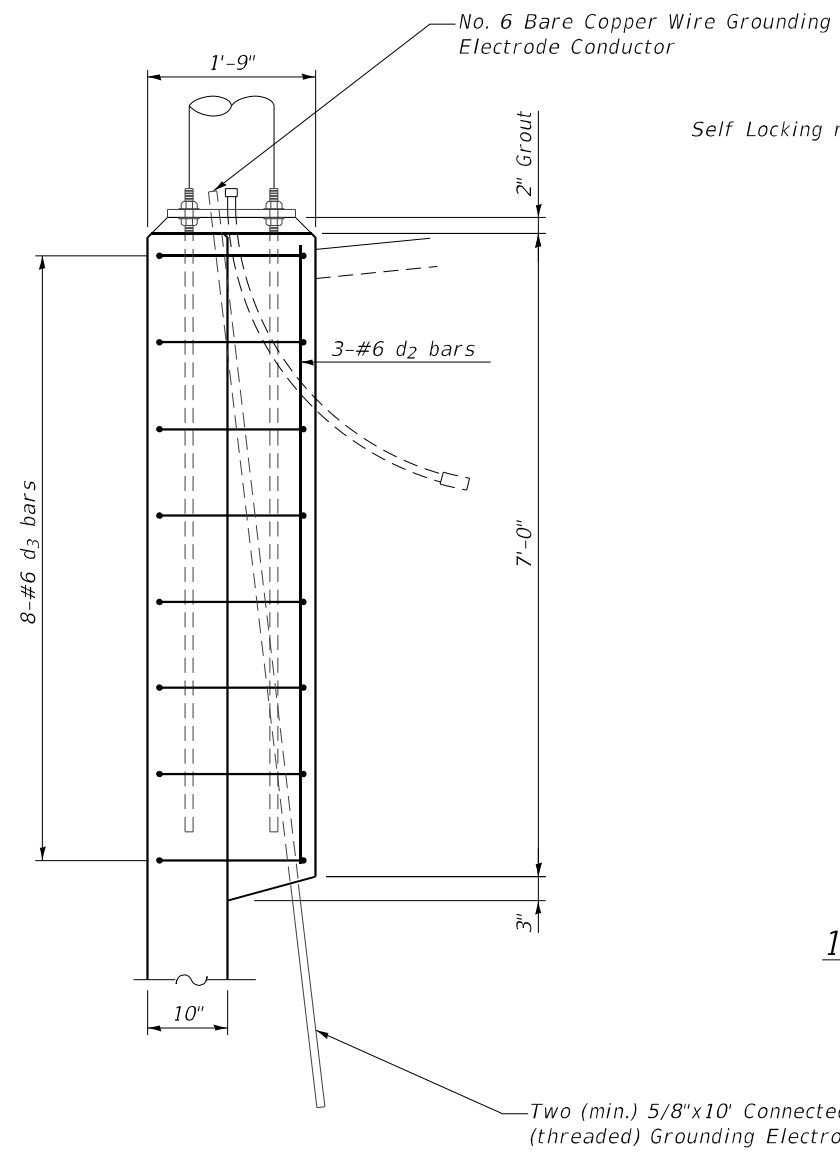
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
TEMPORARY SOIL RETENTION SYSTEM AND BACKFILL**

SCALE: SHEET S19 OF SHEETS STA. TO STA.

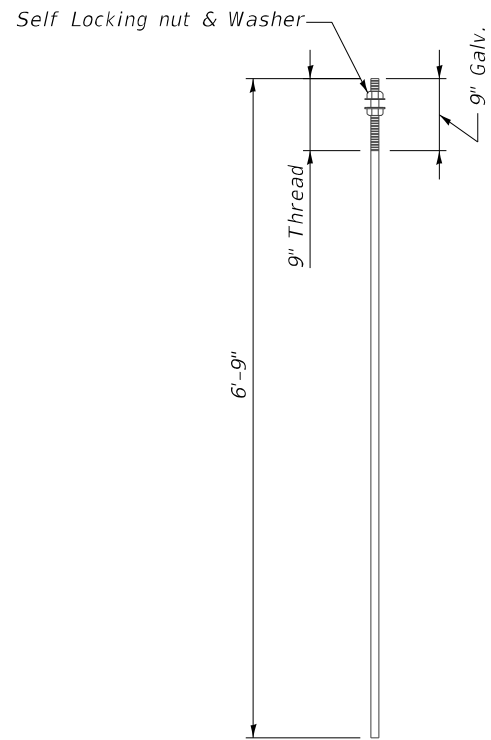
F.A.P RTE. 303	SECTION (1-2)RWR	COUNTY WINNEBAGO	TOTAL SHEETS 79	SHEET NO. 47
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	

MODEL: I:\MODEL\NAMES FILE NAME: C:\2020\2020 IDOT P7B 164 02-015-19 Structural & Roadway\QUICK\03A Design\01 CAD\02_Sheet.dwg D2_64N49.rvt Date: 3/2/2021

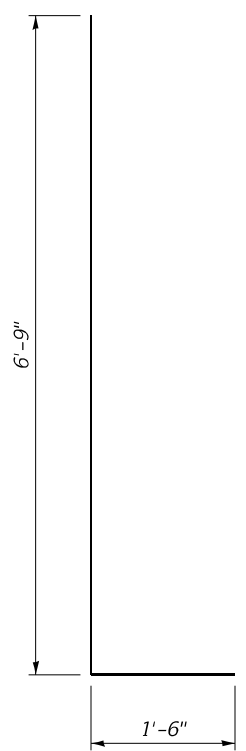


SECTION A-A

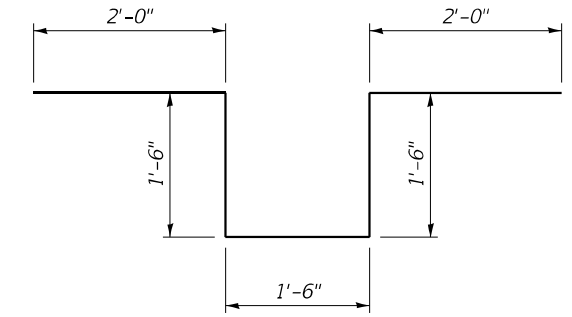
Note: Grout mixture shall consist of 1 part sand, 1 part cement and 1 part chips (pea gravel) The grout shall contain water for a 1" slump



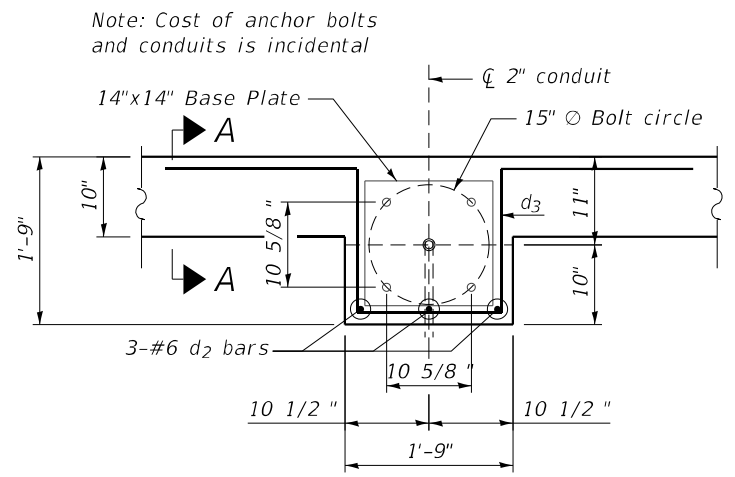
1" \varnothing ANCHOR BOLT



BAR d₂



BAR d₃



PLAN AT LIGHT STD.

Note: Cost of anchor bolts and conduits is incidental

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Structures	Cu Yd	0.9
Protective Coat	Sq Yd	4.5
Reinforcement Bars Epoxy Coated	Pound	279

(*) The Contractor must take extra Care not to damage the existing footing in installing these grounding electrodes. Any damage to the existing footing shall be repaired by the Contractor at his/her expense.



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	DATE - 3/2/2021	REVISED -

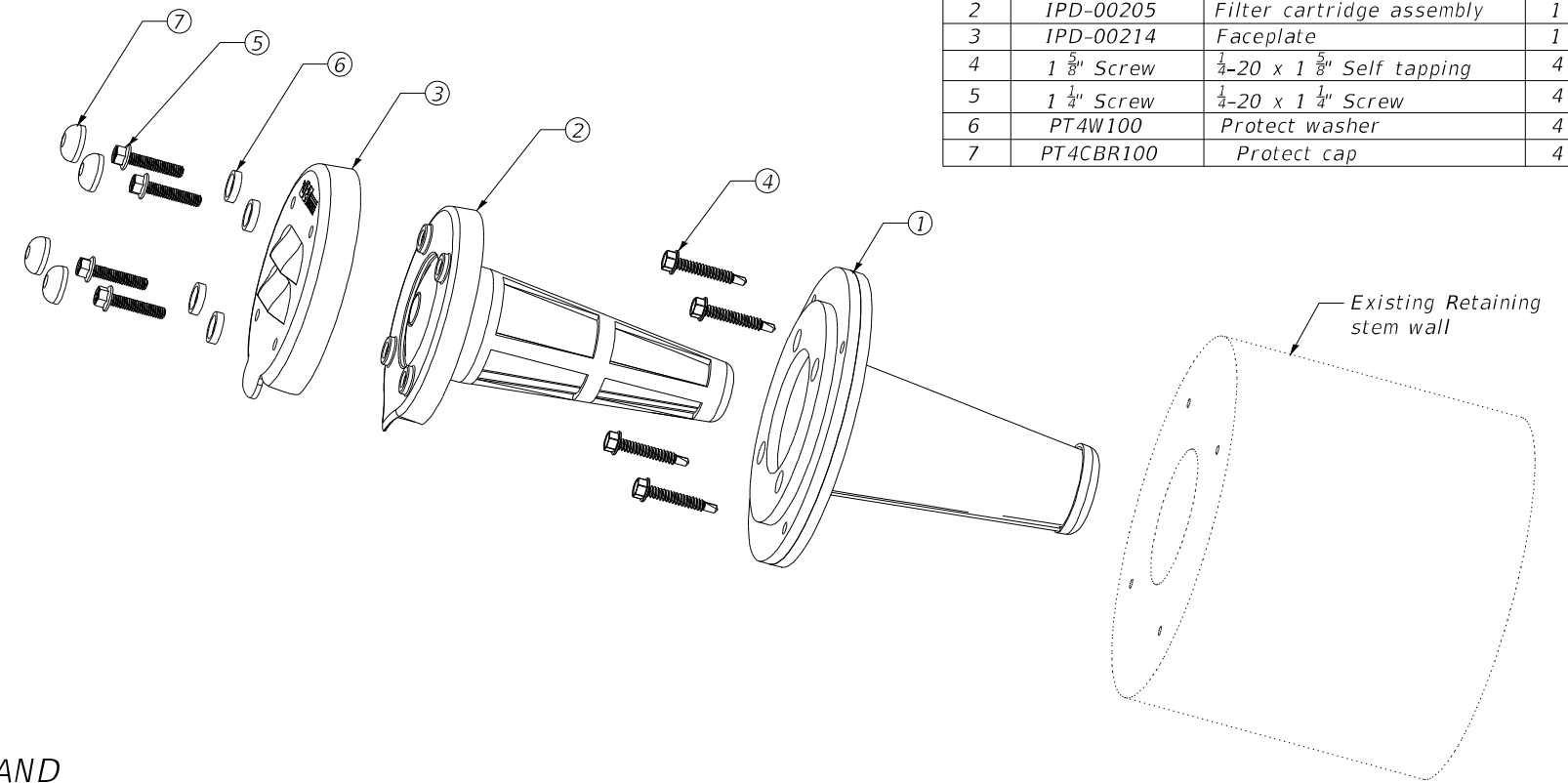
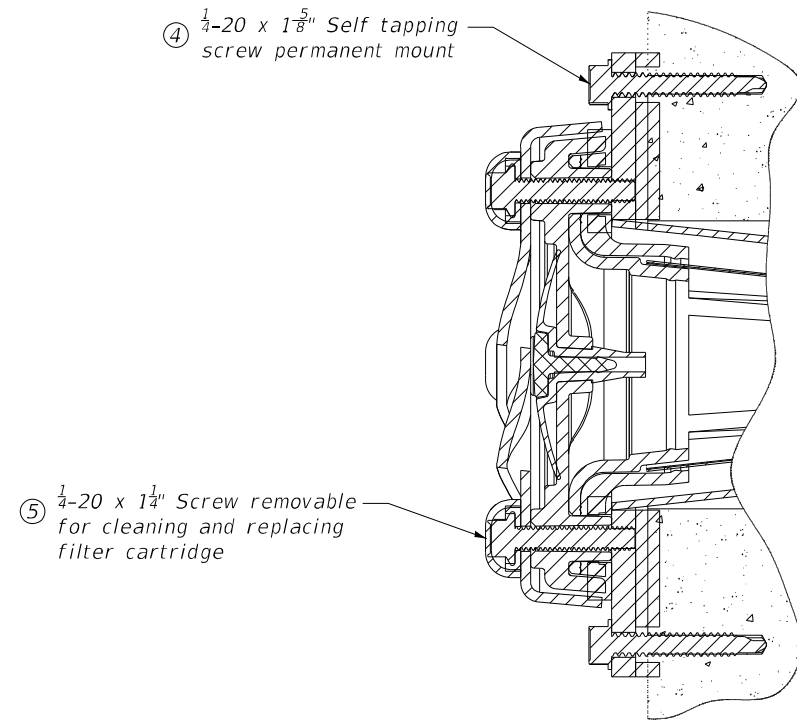
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
LIGHT POLE CONCRETE BASE DETAILS**

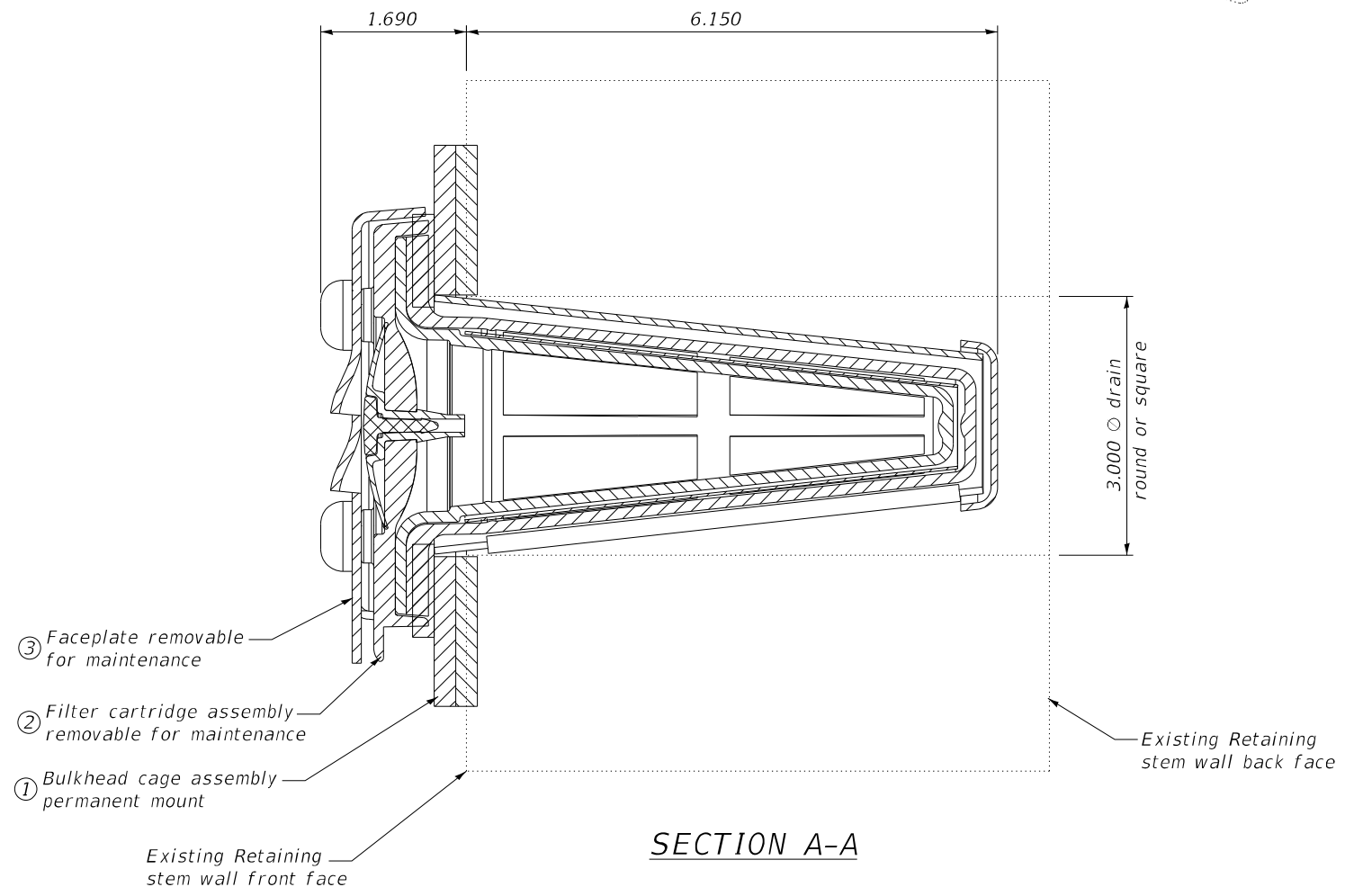
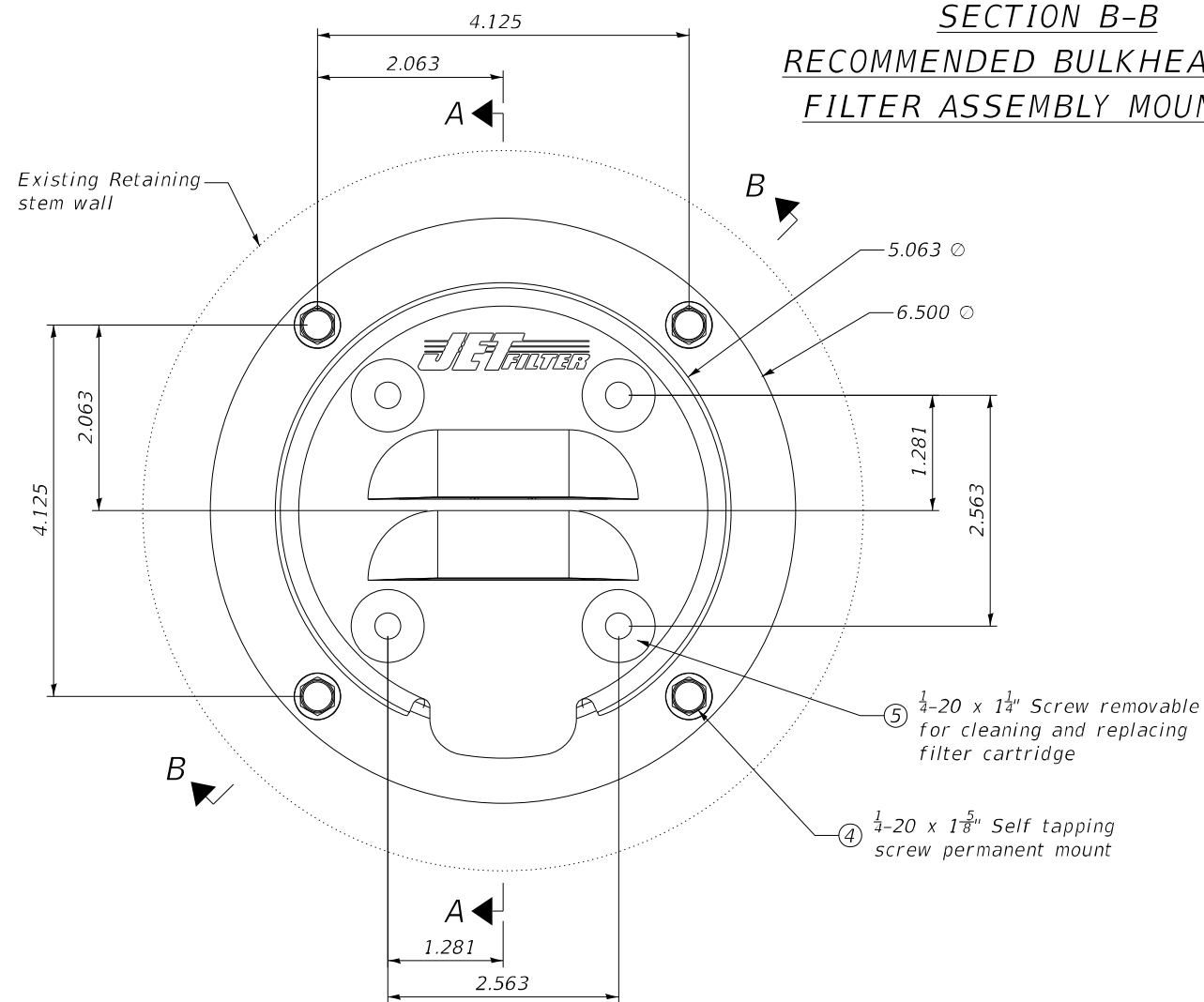
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	48
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

Item	Number	Description	Qty
1	IPD-00204_SS	Bulkhead cage assembly	1
2	IPD-00205	Filter cartridge assembly	1
3	IPD-00214	Faceplate	1
4	1 5/8" Screw	1/4-20 x 1 5/8" Self tapping	4
5	1 1/4" Screw	1/4-20 x 1 1/4" Screw	4
6	PT4W100	Protect washer	4
7	PT4CBR100	Protect cap	4



**SECTION B-B
RECOMMENDED BULKHEAD AND
FILTER ASSEMBLY MOUNTING**



SECTION A-A

MODEL: 140921.NM.FS
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DRAWN - RM	REVISED -
CHECKED - SK	REVISED -
DATE - 3/2/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
CORED WEEP HOLE FILTER SYSTEM DETAILS**

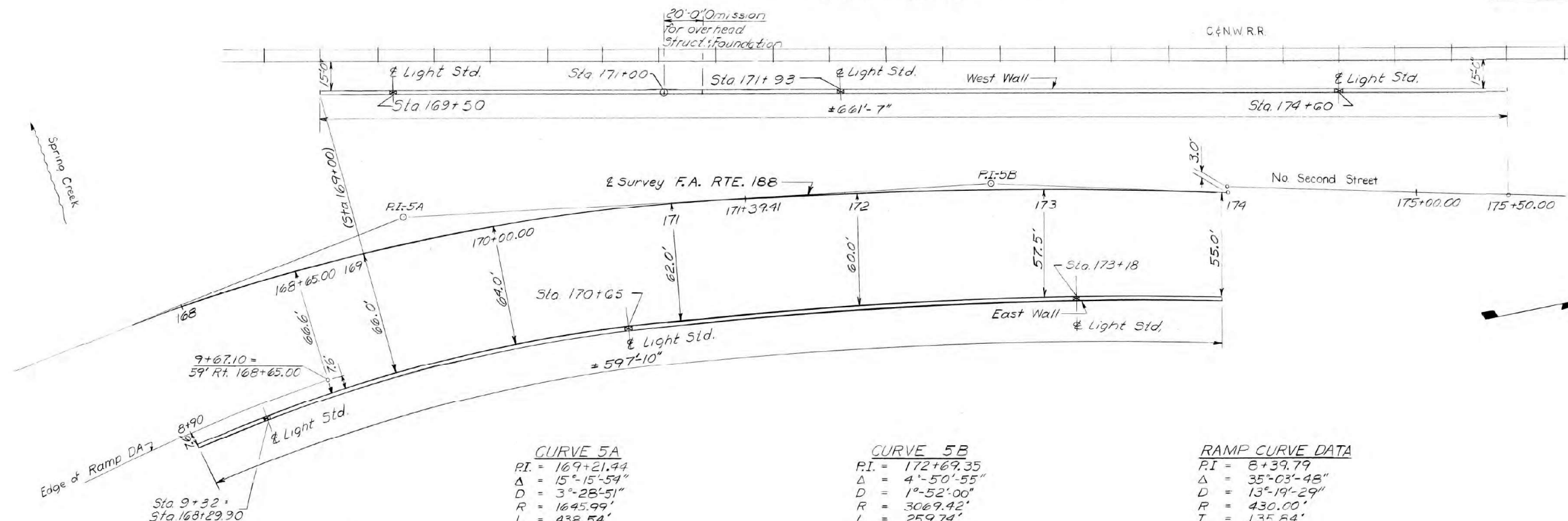
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	49
			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROCK RIVER

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	1-2HB	WINNEBAGO	187	58
SHEET NO. 1 5 SHEETS				

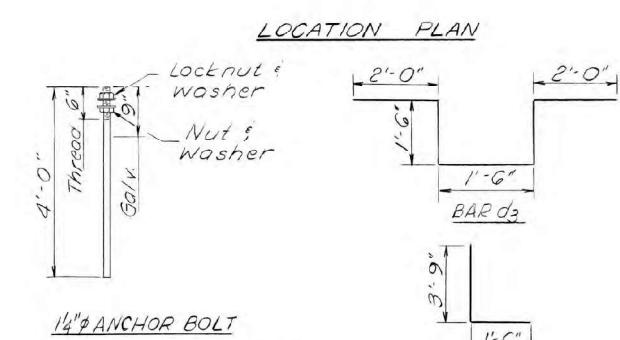
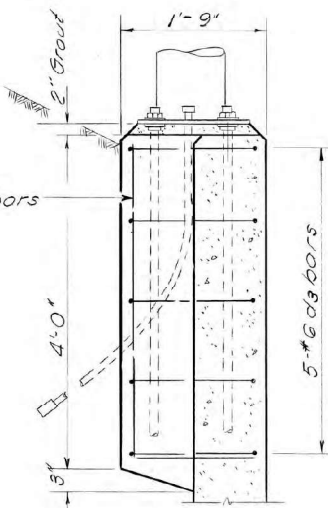


CURVE 5A
 P.I. = 169+21.44
 Δ = 15°-15'-54"
 D = 3°-28'-51"
 R = 1645.99'
 L = 438.54'
 T = 220.57'
 E = 14.71'
 R.C. = 167+00.87
 R.T. = 171+39.91

CURVE 5B
 P.I. = 172+69.35
 Δ = 4°-50'-55"
 D = 1°-52'-00"
 R = 3069.42'
 L = 259.74'
 T = 129.95'
 E = 2.75'
 R.C. = 171+39.91
 R.T. = 173+99.15

RAMP CURVE DATA
 P.I. = 8+39.79
 Δ = 35°-03'-48"
 D = 13°-19'-29"
 R = 430.00'
 L = 135.84'
 T = 263.15'
 R.C. = 7+03.95
 R.T. = 9+67.10

Note: Class X Concrete and Reinforcement bars needed for Light Standard bases are included in sheets 3 & 5



GENERAL NOTES

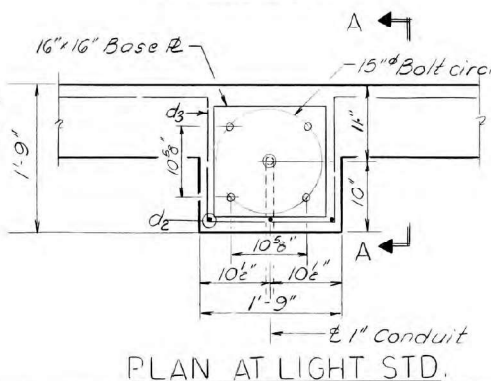
The following surfaces shall be waterproofed:
 The back of the wall from the top of the footing to within 6" of the top of the wall.
 That portion of the front face of the wall that will be below finished ground elevation shall also be waterproofed.
 All bar laps shall be 24 diameters.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Class X Concrete	Cu. Yds.	1,027.0
Reinforcement	Lbs.	74,140

SEC A-A

Note: Grout mixture shall consist of 1 part sand, 1 part cement & 1 part chips (pea gravel). The grout shall contain water for a 1" slump.



Note: Cost of anchor bolts & conduits is incidental

DESIGN STRESSES

f_c = 1,000 p.s.i.
 v_c = 75 p.s.i. ftgs.
 f_s = 20,000 p.s.i. reinf.
 n = 10

RETAINING WALLS
 F.A. RTE. 188 SEC. 1-2
 WINNEBAGO COUNTY

DESIGNED R. Bradford Jr.
 CHECKED Tom M. Gomb
 DRAWN J. R. Boice R.B.
 CHECKED Tom M. Gomb
 EXAMINED [Signature]
 PASSED [Signature]
 APPROVED [Signature]

Revised June 6, '70

FOR REFERENCE ONLY

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	DATE - 3/2/2021	REVISED -

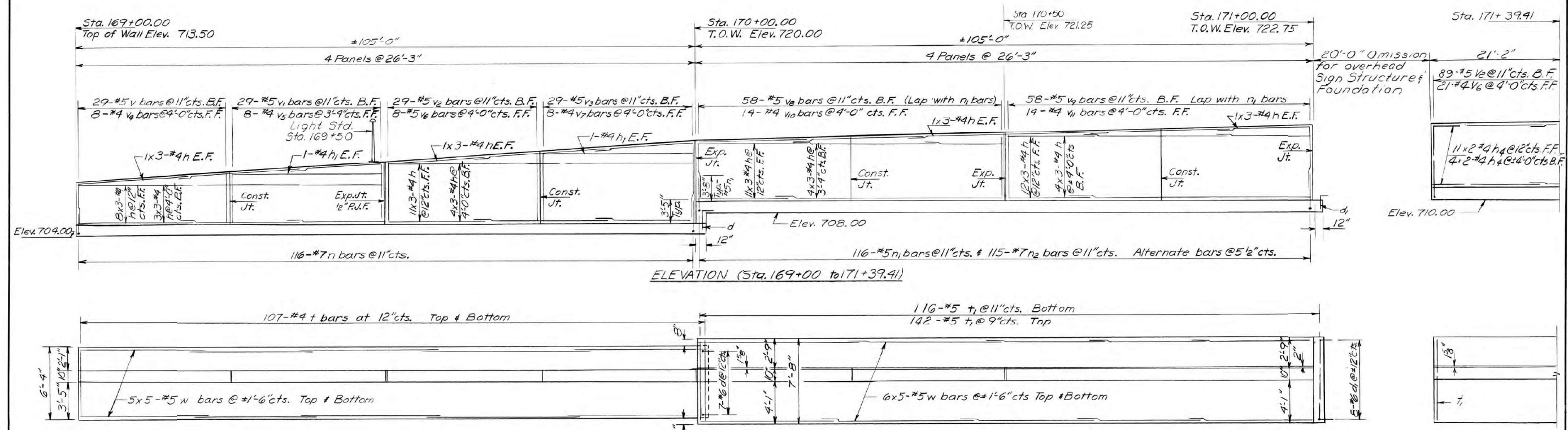
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
 EXISTING PLAN 1 OF 3 (FOR REFERENCE ONLY)

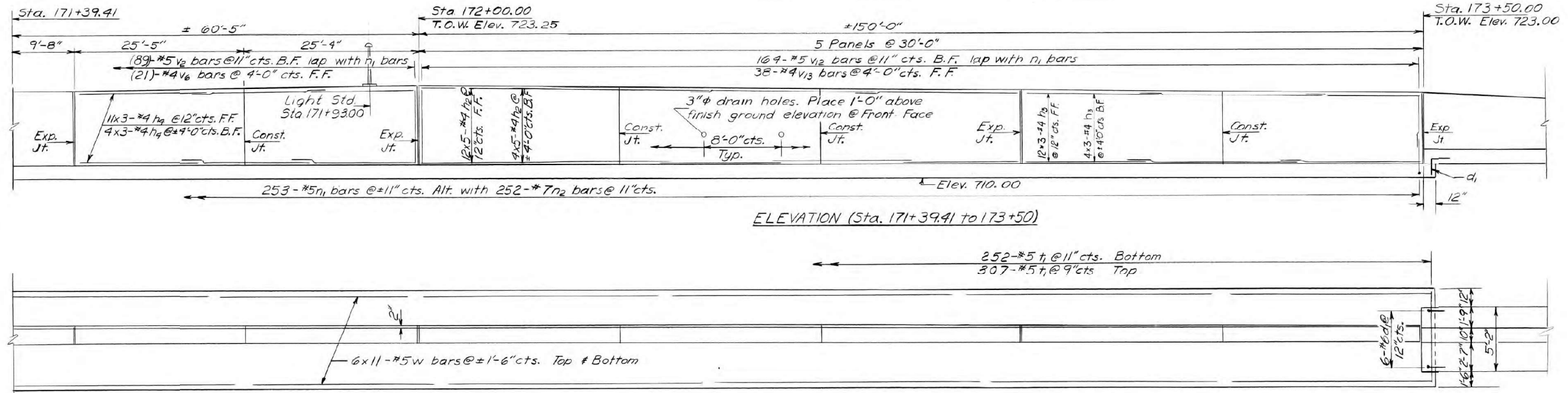
F.A.P. RTE. 303	SECTION (1-2)RWR	COUNTY WINNEBAGO	TOTAL SHEETS 79	SHEET NO. 50
SCALE: SHEET 522 OF SHEETS STA. TO STA.			CONTRACT NO. 64N49	
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
188	1-2HB	WINNEBAGO	187	59	5 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		



ELEVATION (Sta. 169+00 to 171+39.41)



ELEVATION (Sta. 171+39.41 to 173+50)

DESIGNED R. Bradford Jr.
CHECKED J. R. Boice R.B.
DRAWN J. R. Boice R.B.
CHECKED J. R. Boice R.B.

EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]

NOTE: Stations shown are radial projections of F.A. Rte. 188 Survey Line stations.

NOTE: For reinforcement schedule & class X concrete quantity, see Sheet No. 3

WEST WALL
STA. 169+00 to STA. 173+50.00
F.A. RTE. 188 SEC. 1-2
WINNEBAGO COUNTY

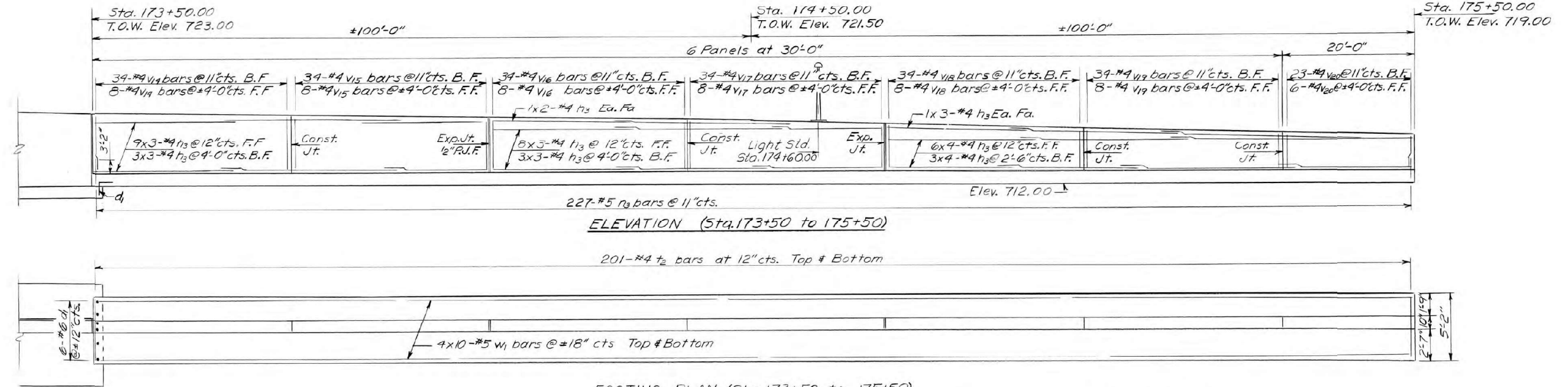
$Q_u \text{ max} = 1.925 \text{ Tsf}$

FOR REFERENCE ONLY

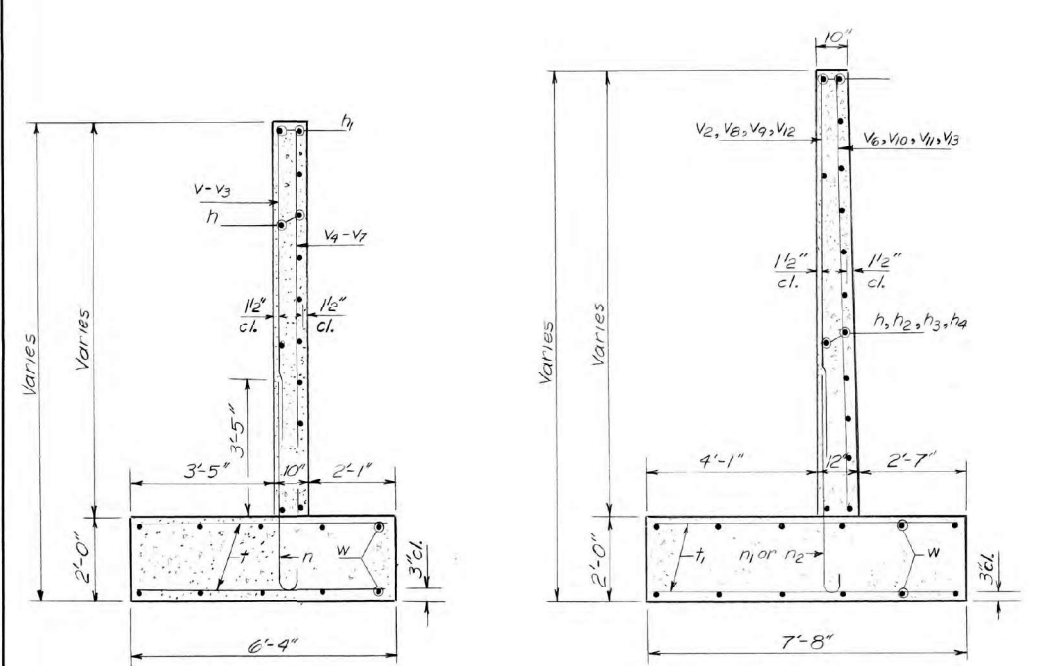
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STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

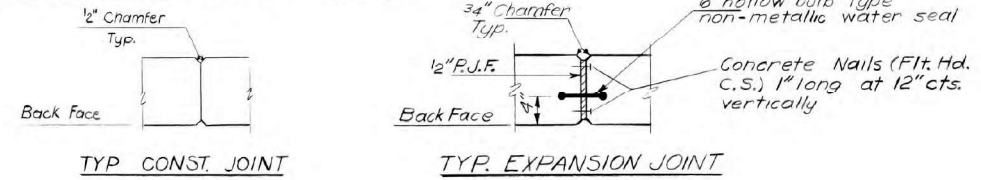
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
188	1-2HB	WINNEBAGO	187	60
SHEET NO. 3				
5 SHEETS				



ELEVATION (Sta. 173+50 to 175+50)



TYP. SECTION (Sta. 169+00 to 170+00) TYP. SECTION (Sta. 170+00 to 173+50) TYP. SECTION (Sta. 173+50 to 175+50)



TYP. CONST. JOINT TYP. EXPANSION JOINT

BARS n

Bar	A	B
n	5'-2"	10"
n1	5'-5"	7"
n2	4'-2"	10"
n3	4'-11"	7"

BILL OF MATERIAL
WEST WALL

Bar	No.	Size	Length	Shape	Bar	No.	Size	Length	Shape
d	7	#6	5'-0"	Γ	v6	29	#4	10'-6"	—
d1	14	#6	3'-0"	Γ	v2	8	#4	12'-0"	—
h	195	#4	18'-6"	—	v4	58	#5	9'-9"	—
h1	4	#4	26'-0"	—	v10	19	#4	9'-9"	—
h2	80	#4	19'-0"	—	v11	19	#4	11'-0"	—
h3	163	#4	21'-0"	—	v12	169	#5	10'-9"	—
h4	75	#4	17'-9"	—	v13	38	#4	10'-9"	—
n	116	#7	6'-0"	—	v14	42	#4	8'-3"	—
n1	369	#5	6'-0"	—	v15	42	#4	7'-9"	—
n2	367	#7	5'-0"	—	v16	42	#4	7'-9"	—
n3	227	#5	5'-6"	—	v17	42	#4	6'-9"	—
t	214	#4	6'-1"	—	v18	42	#4	6'-0"	—
t1	817	#5	7'-5"	—	v19	42	#4	5'-3"	—
t2	402	#4	4'-11"	—	v20	29	#4	4'-9"	—
v	29	#5	7'-3"	—	w	254	#5	22'-0"	—
v1	29	#5	9'-0"	—	w1	80	#5	21'-3"	—
v2	118	#5	10'-6"	—	d2	9	#6	5'-3"	—
v3	29	#5	12'-0"	—	d3	13	#6	8'-6"	—
v4	8	#4	7'-3"	—	Class X Concrete		Cu Yds.	525.2	
v5	8	#4	9'-0"	—	Reinforcement Bars		Lbs.	39,270	

WEST WALL (Sta. 173+50 to 175+50)
DETAILS
F.A.R.T.E. 188 SEC. 1-2
WINNEBAGO COUNTY

FOR REFERENCE ONLY

MODEL: 1400161.NMFS FILE NAME: C:\20230803 IDOT PWB 164 02-015-19 Structural & Retaining\QUICK003A Design\01 CAD\02 Sheets\02 24M404-24-Existing Plan 3 of 3.dgn

DESIGNED R. Bradford Jr.
CHECKED Tom W. Gornall
DRAWN J.R. Boice R.B.
CHECKED Tom W. Gornall

EXAMINED June 21 1967
PASSED
APPROVED V.E. Stoff



USER NAME = rmanuod	DESIGNED -	REVISED -
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PLOT DATE = 3/2/2021	CHECKED - SK	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
EXISTING PLAN 3 OF 3 (FOR REFERENCE ONLY)

SCALE: SHEET 524 OF SHEETS STA. TO STA.

F.A.P. RTE. 303	SECTION (1-2)RWR	COUNTY WINNEBAGO	TOTAL SHEETS 79	SHEET NO. 52
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	



wangeng@wangeng.com
1145 N. Main Street
Lombard/IL/60148
Telephone: 6309539928
Fax: 6309539938

BORING LOG RW-01

WEI Job No.: 412-09-01

Client: **WBK Engineering, Ltd.**
Project: **PTB 181, WO#12, IL 251 RWS**
Location: **Rockford, IL**

Datum: NGVD
Elevation: 723.50 ft
North: 2051051.02 ft
East: 2595982.58 ft
Station: 173+25
Offset: 40.5 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 (%)
	2.5" ASPHALT and 10.2" CONCRETE														
720.0	Very stiff, dark gray LOAM	5	1	8 7 7	2.30 P	12		700.5	Stiff to very stiff, gray SANDY LOAM, some gravel; saturated	25	9	5 10 16	1.10 P	15	
718.0	Medium stiff to still, brown SANDY LOAM		2	2 4 5	1.00 S	13					10	13 18 22	2.40 S	7	
	--fine sand--	10	3	2 2 4	0.80 P	10					11	11 13 16	1.80 S	8	
713.0	Medium dense, tan SANDY GRAVEL		4	10 9 12	NP	14					12	11 10 17	3.10 P	8	
		15	5	21 15 6	NP	7					13	9 11 13	2.10 S	7	
			6	7 7 10	NP	5			--fine sand lenses--		14	6 9 10	1.70 B	7	
705.5	Medium stiff to stiff, tan SANDY LOAM	20	7	3 4 6	0.50 B	10			--fine sand lenses--		15	7 13 18	0.70 B	9	

GENERAL NOTES

Begin Drilling: **04-16-2019** Complete Drilling: **04-16-2019**
Drilling Contractor: **IDOT** Drill Rig: **.....**
Driller: **.....** Logger: **WG** Checked by: **JAR**
Drilling Method: **.....**

WATER LEVEL DATA

While Drilling: **23.50 ft**
At Completion of Drilling: **38.50 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.

F-6



wangeng@wangeng.com
1145 N. Main Street
Lombard/IL/60148
Telephone: 6309539928
Fax: 6309539938

BORING LOG RW-02

WEI Job No.: 412-09-01

Client: **WBK Engineering, Ltd.**
Project: **PTB 181, WO#12, IL 251 RWS**
Location: **Rockford, IL**

Datum: NGVD
Elevation: 723.40 ft
North: 2051088.37 ft
East: 2595996.17 ft
Station: 173+65
Offset: 40.6 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 (%)
	2.5" ASPHALT and 10.9" CONCRETE														
719.9	Medium stiff to stiff, gray SANDY LOAM	5	1	13 6 6	1.00 P	10		--gray--	25	9	3 4 7	1.70 B	9		
			2	4 3 3	0.80 S	12					10	10 13 16	3.20 S	8	
		10	3	3 3 4	0.90 P	8		--tan--	30	11	11 11 15	2.50 S	8		
712.9	Medium stiff, brown SANDY CLAY LOAM, some gravel		4	3 6 10	0.80 S	11					12	20 20 23	1.00 P	10	
710.4	Medium dense to dense, tan SANDY GRAVEL	15	5	8 17 21	NP	8		--sand lenses--	35	13	9 8 10	1.50 B	9		
			6	16 6 7	NP	7					14	7 8 10	2.90 B	8	
705.4	Medium stiff to very stiff, tan SANDY LOAM, trace to some gravel	20	7	6 6 5	0.60 P	10					15	10 13 15	1.40 P	13	

GENERAL NOTES

Begin Drilling: **04-16-2019** Complete Drilling: **04-16-2019**
Drilling Contractor: **IDOT** Drill Rig: **.....**
Driller: **.....** Logger: **WG** Checked by: **JAR**
Drilling Method: **.....**

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.

F-7

MODEL: I:\PROJECTS\181\181-01\181-01-19 Structural & Retaining\QUICK03A Design\01_CADD\02_Sheets\181-01-19-01.dwg
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	DATE - 3/2/2021	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SOIL BORING LOG

SCALE: SHEET 525 OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	53
CONTRACT NO. 64N49			ILLINOIS FED. AID PROJECT	



wangeng@wangeng.com
 1145 N. Main Street
 Lombard/IL/60148
 Telephone: 6309539928
 Fax: 6309539938

BORING LOG RW-03

WEI Job No.: 412-09-01

Client: **WBK Engineering, Ltd.**
 Project: **PTB 181, WO#12, IL 251 RWS**
 Location: **Rockford, IL**

Datum: NGVD
 Elevation: 723.10 ft
 North: 2051129.01 ft
 East: 2596010.25 ft
 Station: 174+08
 Offset: 42.2 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 (%)
		2.6" ASPHALT and 10.8" CONCRETE															
	719.6	Very stiff, tan SANDY LOAM	5	X	1	6 7 7	2.10	10					X	8	2 3 4	0.70	12
	717.6	Medium stiff, gray SILTY CLAY LOAM		X	2	2 3 5	0.70	19			--gray-- --fine sand lenses--		X	10	3 3 8	0.60	10
	715.1	Stiff, brown SANDY LOAM, trace organics	10	X	3	4 4 5	1.00	19			Very soft to medium stiff, tan and gray SANDY LOAM, some gravel		X	11	4 6 8	0.20	11
	712.6	Medium dense to dense, tan SANDY GRAVEL		X	4	3 6 10	NP	6					X	12	15 13 18	0.70	13
				X	5	16 19 25	NP	6					X	13	15 16 24	0.50	12
	707.6	Medium stiff, tan SANDY LOAM		X	6	7 3 4	0.20	9			Stiff to very stiff, gray SANDY CLAY LOAM, some gravel		X	14	4 9 12	1.80	8
				X	7	3 3 5	0.60	11			--sand lenses--		X	15	8 10 15	3.50	8
										683.1							

WANGENG 4120901.GPJ WANGENG.GDT 8/17/19

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-15-2019	Complete Drilling	04-15-2019	While Drilling	▽	DRY	
Drilling Contractor	IDOT	Drill Rig		At Completion of Drilling	▽	DRY	
Driller	Logger	WG	Checked by	Time After Drilling	NA		
Drilling Method			JAR	Depth to Water	▽	NA	
				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			
				F- 8			

MODEL: 4409BEN.MXD FILE NAME: C:\20230803 IDOT PTB 181 02-015-19 Structural & Retaining\QUICK\03A Design\01 CAD\02_Sheet\54_D2_64N49-sht-soil boring02.dgn



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PLOT DATE = 3/2/2021	CHECKED - SK	REVISED -
	DATE - 3/2/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
SOIL BORING LOG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	54
CONTRACT NO. 64N49				
SCALE:	SHEET 526 OF SHEETS	STA.	TO STA.	
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

ROUTE IL 251 SB (FAP 303) DESCRIPTION 64M38 P92-047-17 - 0.2mi N. of Auburn St., West Retaining Wall LOGGED BY W. Garza
 SECTION (1, 1-1, 1-2)RS-1 LOCATION Rockford (NW Part) - NE, SEC. 13, TWP. 44N, RNG. 1E
 COUNTY Winnebago DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. _____ Latitude 42° 17' 28.91" Northing 2,050,642.1110
 Station 169+25 Longitude -89° 03' 38.13" Easting 2,595,845.2869

BORING NO. B-9
 Station 169+25
 Offset 4.00ft Rt of White Edge Line
 Ground Surface Elev. 100.00 ft

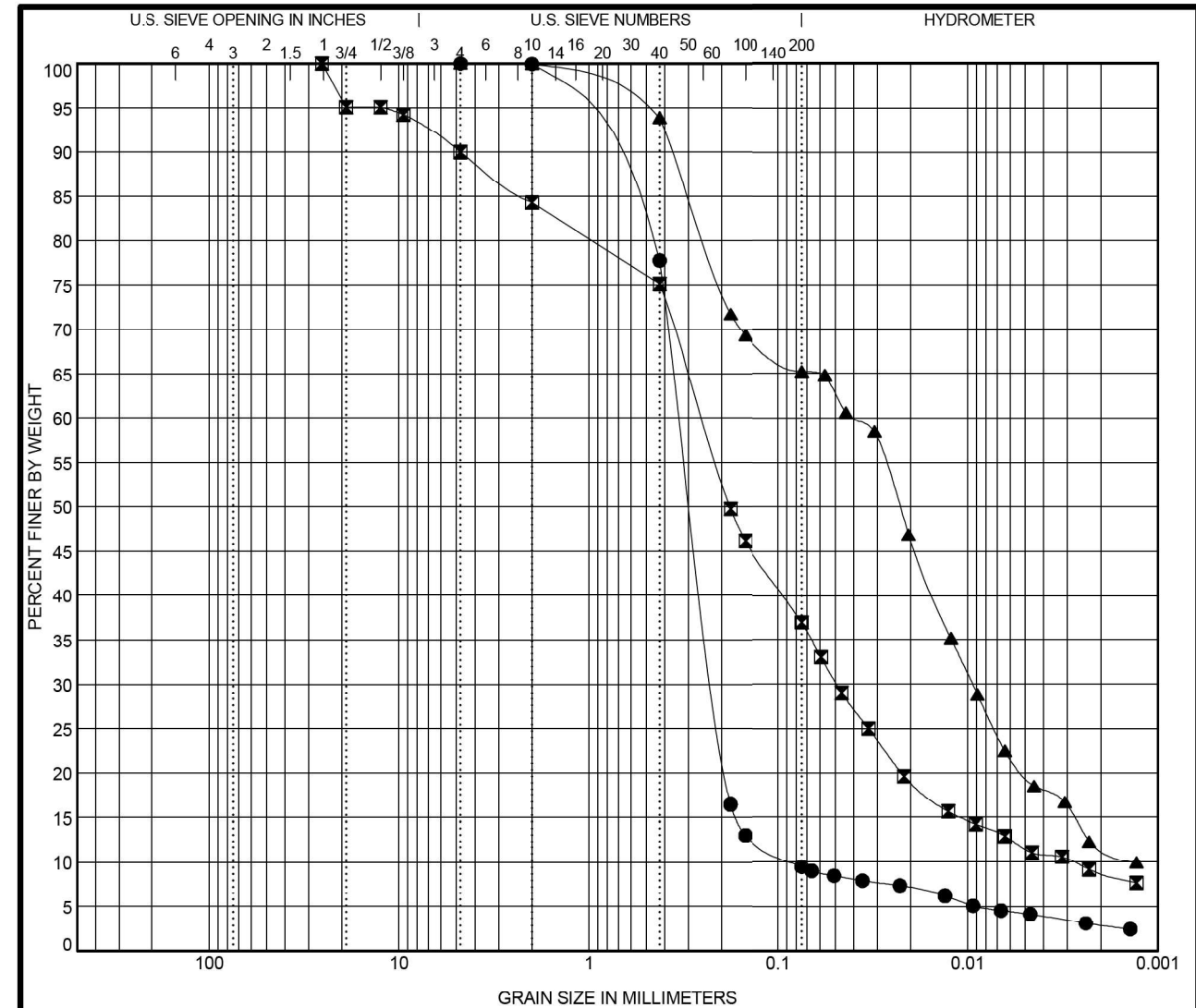
DEPTH (ft)	BLOW COUNT (/6")	UCS Qu (tsf)	MOIST CONTENT (%)	Surface Water Elev.	N/A	ft
				Stream Bed Elev.	93.00	ft
				Groundwater Elev.:		
				First Encounter	None	ft
				Upon Completion	Dry	ft
				After _____ Hrs.		ft

2.5" Asphalt, 11.3" Concrete				
MEDIUM gray SANDY LOAM	98.00	3		
		3	0.8	14.0
	96.50	5	P	
MEDIUM gray SANDY LOAM		2		
		3	0.5	16.0
	93.50	6	P	
MEDIUM gray FINE SAND		3		
		9		
	91.00	9		
STIFF gray SANDY LOAM with SAND LENS		5		
		7	1.8	12.0
	89.00	8	P	
MEDIUM gray SANDY LOAM with SAND LENS		2		
		3	0.8	14.0
	86.50	5	P	
MEDIUM dark gray LOAM		2		
		4	0.8	16.0
	84.00	6	S	
End of Boring				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

F-17







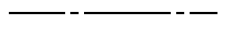
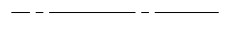
GENERAL NOTES:

- ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS, AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED ON APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED ON JAN 1, 2021.
- THE CONTRACTOR MUST VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT PLANS WHICH COULD AFFECT HIS/HER WORK UNDER THIS CONTRACT FOR OPERATION OF THE EXISTING ROADWAY LIGHTING SYSTEM.
- NO MATERIAL OR EQUIPMENT SHALL BE DELIVERED TO THE JOB SITE WITHOUT PRIOR INSPECTION AND APPROVAL BY THE ENGINEER. ANY MATERIAL AND EQUIPMENT NOT APPROVED BY THE ENGINEER MUST BE REMOVED FROM JOB SITE AT THE CONTRACTOR'S EXPENSE.
- ALL UNDERGROUND UNIT DUCT SHALL BE 30 INCHES MINIMUM BELOW GRADE PER IDOT SECTION 810. UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH UNDERDRAINS AND UNDERGROUND UTILITIES.
- ALL SPLICING MUST BE IN POLE BASES WITH WATERPROOF SEALANT AND HEAT SHRINKABLE PLASTIC CAPS, UNLESS NOTED OTHERWISE.
- TEMPORARY SUPPORTS FOR EXISTING UTILITIES SHALL BE PROVIDED IF REQUIRED.
- NO LIGHTING CIRCUIT OR PORTION THEREOF SHALL BE REMOVED FROM NIGHT TIME OPERATION OF EXISTING LIGHTING WITHOUT THE APPROVAL OF THE ENGINEER. ALL EXISTING LIGHTING SHALL OPERATE FROM DUSK TO DAWN DAILY FOR DURATION OF THE PROJECT TO MAINTAIN ILLUMINATION OF TRAVELED ROADWAYS.
- EXISTING LIGHTING SHALL REMAIN OPERATIONAL ALL THE TIME.
- SWITCHOVER OF CABLE CONNECTIONS TO PROPOSED LIGHT POLES FROM EXISTING POLES SHALL TAKE PLACE DURING DAY TIME.
- LIGHT POLE IDENTIFICATION LABELS SHALL BE PROVIDED AS PER ARTICLE 1069.06 TO THE PROPOSED LIGHT POLE.

REMOVAL NOTES:

- LOCATIONS OF EXISTING LIGHT POLES SHOWN ON PLAN DRAWINGS ARE APPROXIMATE AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
- PRIOR TO SUBMITTING A BID, THE CONTRACTOR SHALL REVIEW THE CONTRACT DRAWINGS AND ASCERTAIN EXISTING SITE CONDITIONS TO VERIFY THE EXTENT OF DEMOLITION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR FROM RESPONSIBILITY FOR PERFORMING ALL REMOVAL REQUIRED IN THIS CONTRACT.
- COMMENCEMENT OF WORK SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF EXISTING FOUNDATIONS AND UNIT DUCT FOR THIS WORK AND ACCESS TO WORK SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR ADDITIONAL LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORSEEN DURING SUCH AN EXAMINATION.
- ALL SALVAGE EXISTING EQUIPMENT INCLUDING LIGHT POLES, LUMINAIRES AND MAST ARMS SHALL BE RETURNED TO STATE STOCK.
- LOCATIONS SELECTED FOR COLLECTION OF DEBRIS AND/OR STORAGE OF EQUIPMENT SHALL BE AS APPROVED BY THE ENGINEER.

SYMBOL LEGEND:

-  LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, 4000 KELVIN LUMINAIRE SAFETY CABLE ASSEMBLY
-  TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H, 4000 KELVIN
-  REMOVE EXISTING LIGHTING UNIT
-  EXISTING LIGHT POLE TO REMAIN
-  UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE
-  EXISTING UNIT DUCT

ABBREVIATIONS:

- E EXISTING TO REMAIN
- E.O.P. EDGE OF PAVEMENT
- EMC ELECTRICAL MAINTENANCE CONTRACT
- FT FEET OR FOOT
- GND GROUND
- JB JUNCTION BOX
- MA MAST ARM
- NO. NUMBER
- N.T.S. NOT TO SCALE
- P PROPOSED
- PVC POLYVINYL CHLORIDE
- RGS RIGID GALVANISED STEEL
- R REMOVE
- STA. STATION
- U.N.O. UNLESS NOTED OTHERWISE
- HPS HIGH PRESSURE SODIUM
- UC UNDERGROUND CONDUIT

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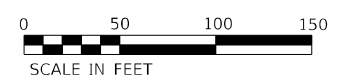
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

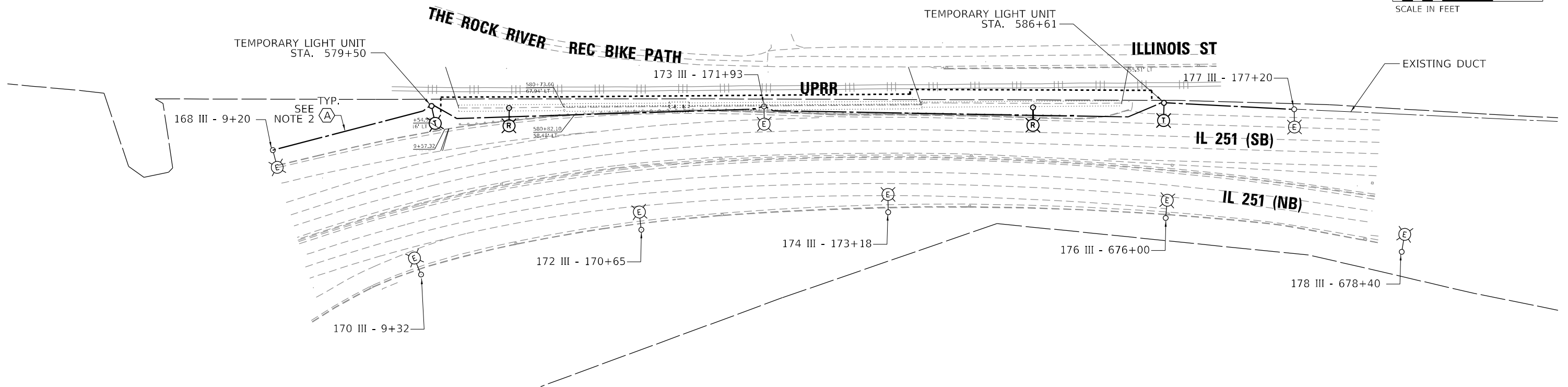
**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
LIGHTING GENERAL NOTES AND LEGEND**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	60
CONTRACT NO. 64N49				
			ILLINOIS	FED. AID PROJECT



ROCK RIVER



NOTES:

1. FOR GENERAL NOTES AND SYMBOLS LEGEND, SEE SHEET E-101.
2. CONTRACTOR TO CONNECT TEMPORARY LIGHT POLES WITH PROPOSED LIGHT POLES USING UNDERGROUND UNIT DUCT.

DESCRIPTION	UNIT	QTY
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	1250
TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	2
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H	EACH	2
REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	2
REMOVAL OF LUMINAIRE, SALVAGE	EACH	2
REMOVAL OF POLE FOUNDTION	EACH	1
REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	2

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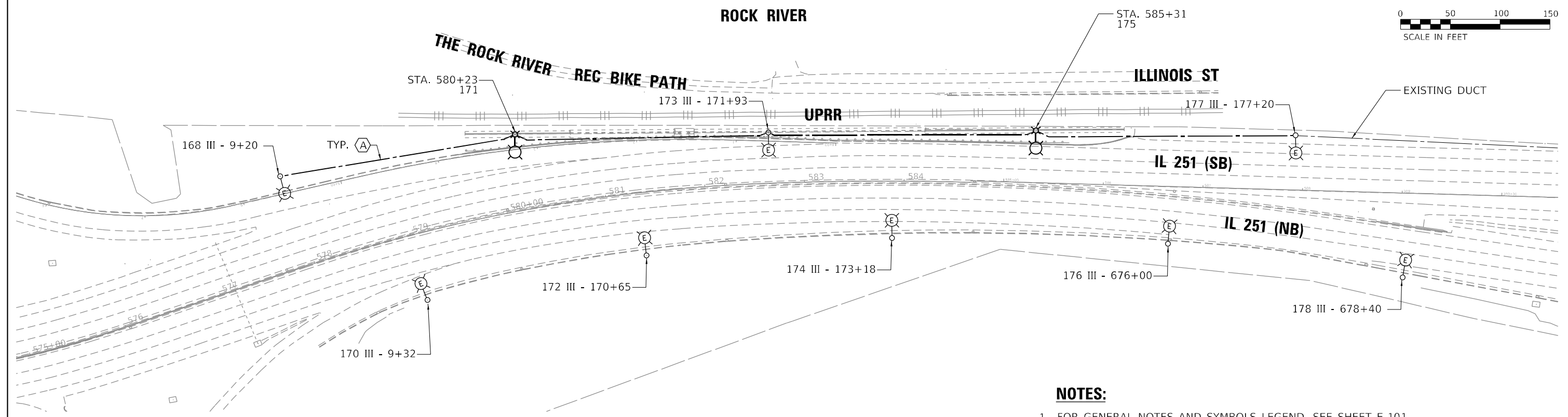
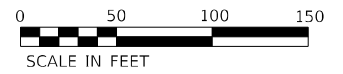
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
LIGHTING REMOVAL AND TEMPORARY LIGHTING**

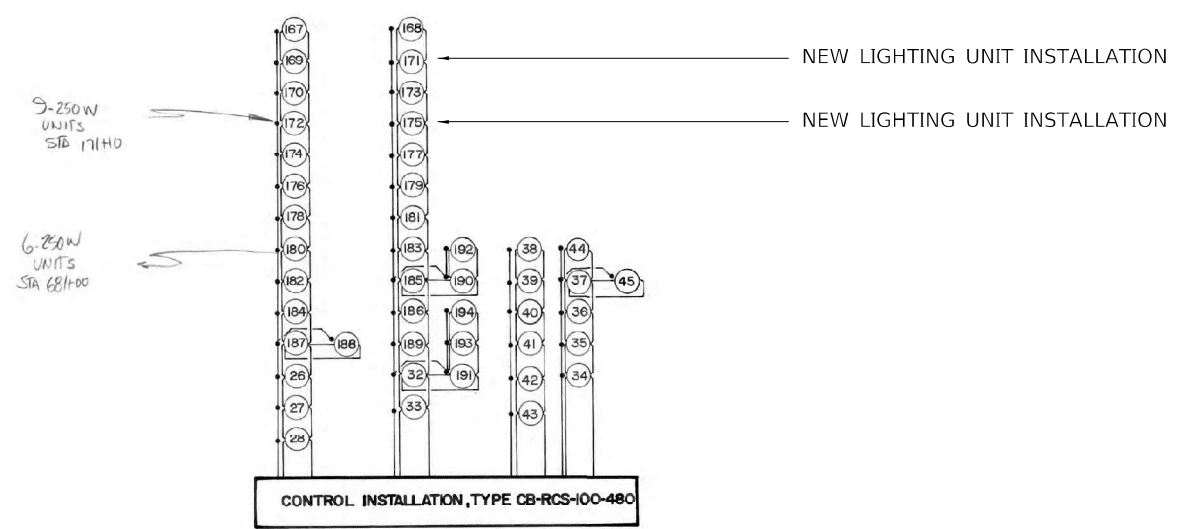
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	61
			CONTRACT NO. 64N49	
		ILLINOIS FED. AID PROJECT		



NOTES:

1. FOR GENERAL NOTES AND SYMBOLS LEGEND, SEE SHEET E-101.
2. FOR LIGHT POLE FOUNDATION SEE STRUCTURAL SHEETS.
3. CONTRACTOR TO REINSTALL LED LUMINAIRE FROM TEMPORARY LIGHT POLES TO PROPOSED LIGHT POLES, INSTALL LUMINAIRE SAFETY CABLE ASSEMBLY. THIS WORK SHALL BE PAID UNDER PAY ITEM "82110008 - LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION H".
4. CONTRACTOR TO REMOVE TEMPORARY LIGHTING UNIT AND SALVAGE TO IDOT. REMOVE UNIT DUCT FOR TEMPORARY CONNECTION BETWEEN POLES, AS SHOWN ON SHEET E-102, THIS WORK SHALL BE PAID UNDER PAY ITEM 84100110.



EXISTING IDOT CONTROLLER

DESCRIPTION	UNIT	QTY
UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	1250
LIGHT POLE, ALUMINUM, 40 FT. M.H., 12 FT. MAST ARM	EACH	2
LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	2
LIGHTING UNIT IDENTIFICATION DECAL	EACH	2
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4

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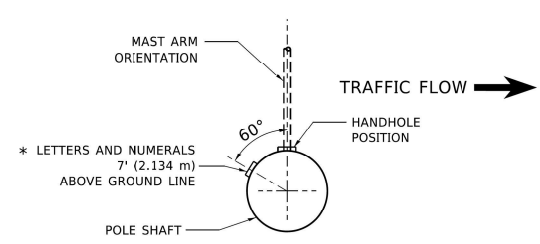
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

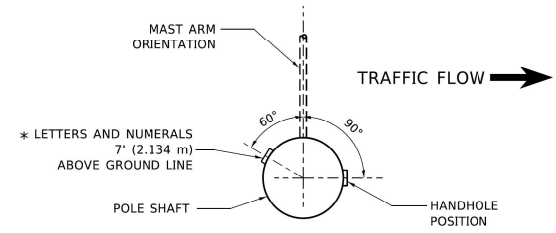
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PROPOSED LIGHTING PLAN**

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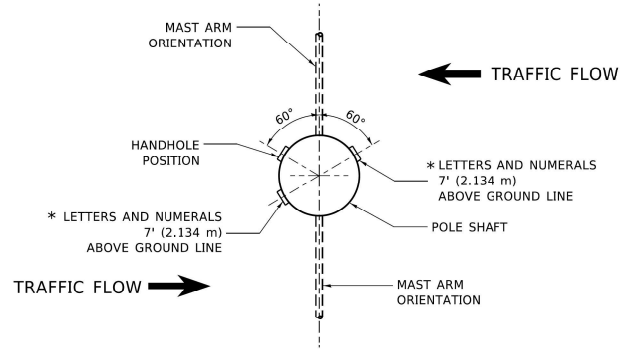
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303	(1-2)RWR	WINNEBAGO	79	62
			CONTRACT NO. 64N49	
		ILLINOIS	FED. AID PROJECT	



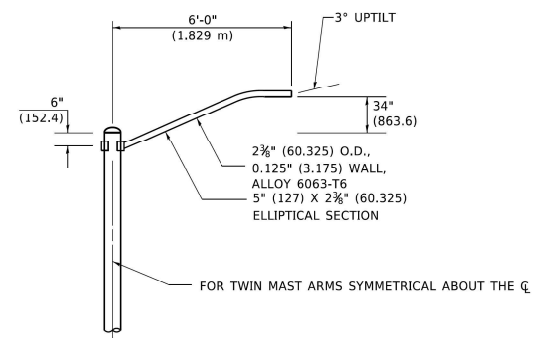
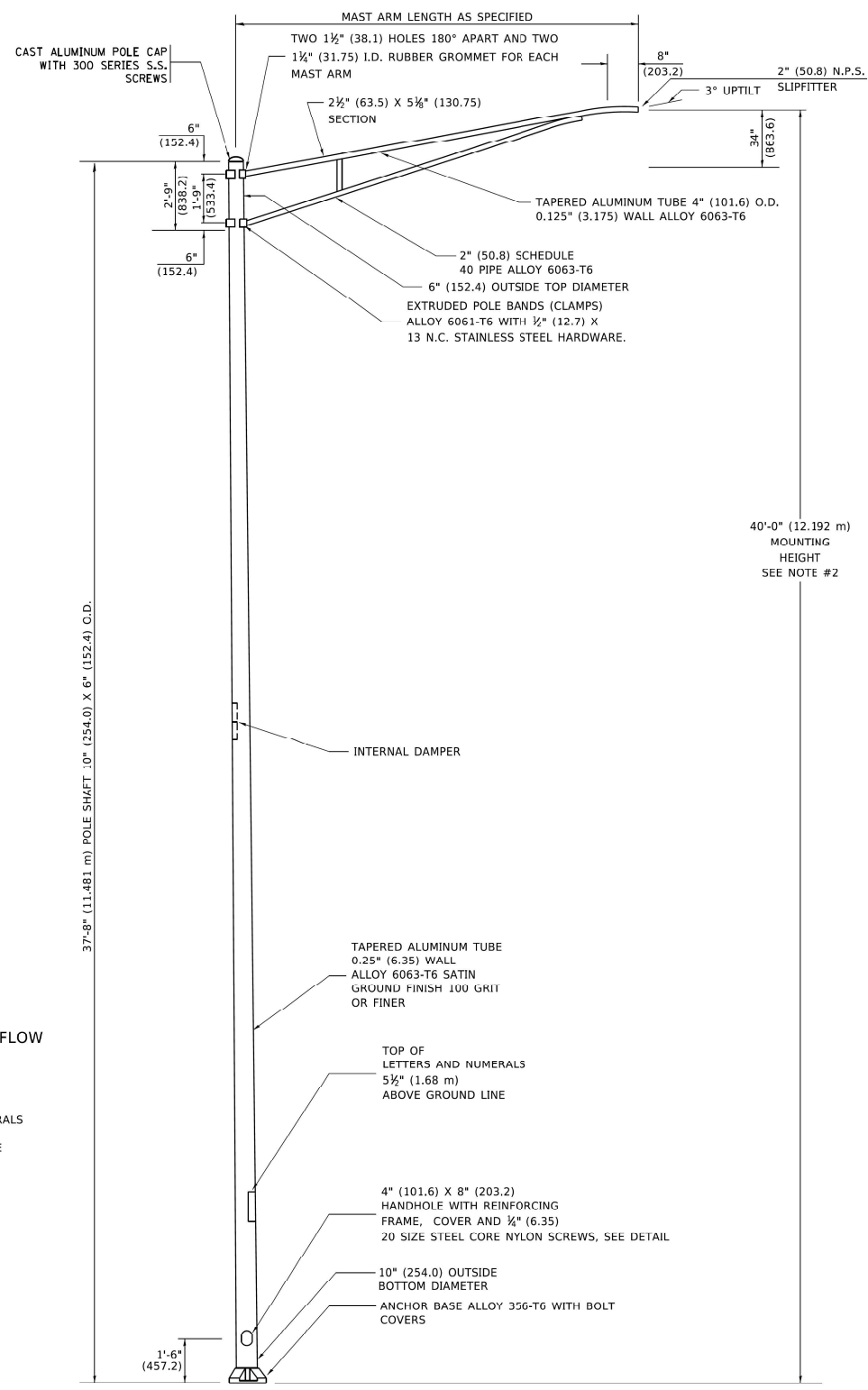
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



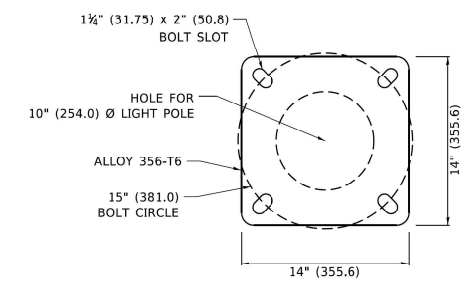
POSITION OF HANDHOLE AND POLE NUMBER FOR SINGLE MAST ARM POLES



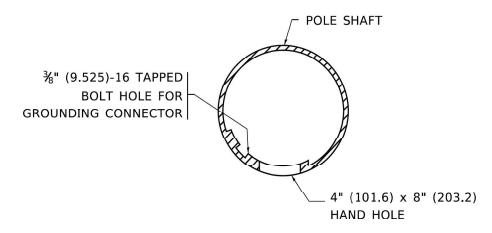
POSITION OF HANDHOLE AND POLE NUMBER FOR TWIN MAST ARM POLES



6' (1.8 m) SINGLE MEMBER MAST ARM (N.T.S.)



LIGHT POLE BASE PLATE DETAIL 15 INCH (381.0) BOLT CIRCLE



HANDHOLE DETAIL (N.T.S.)

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
3. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
5. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
6. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
7. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.

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PLOT DATE = 4/19/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALUMINUM LIGHT POLE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
40'-0" (12.192 m) MOUNTING HEIGHT						
SCALE: NONE		SHEET 1 OF 1 SHEETS		STA.	TO STA.	

BE-401		CONTRACT NO.	
ILLINOIS		FED. AID PROJECT	

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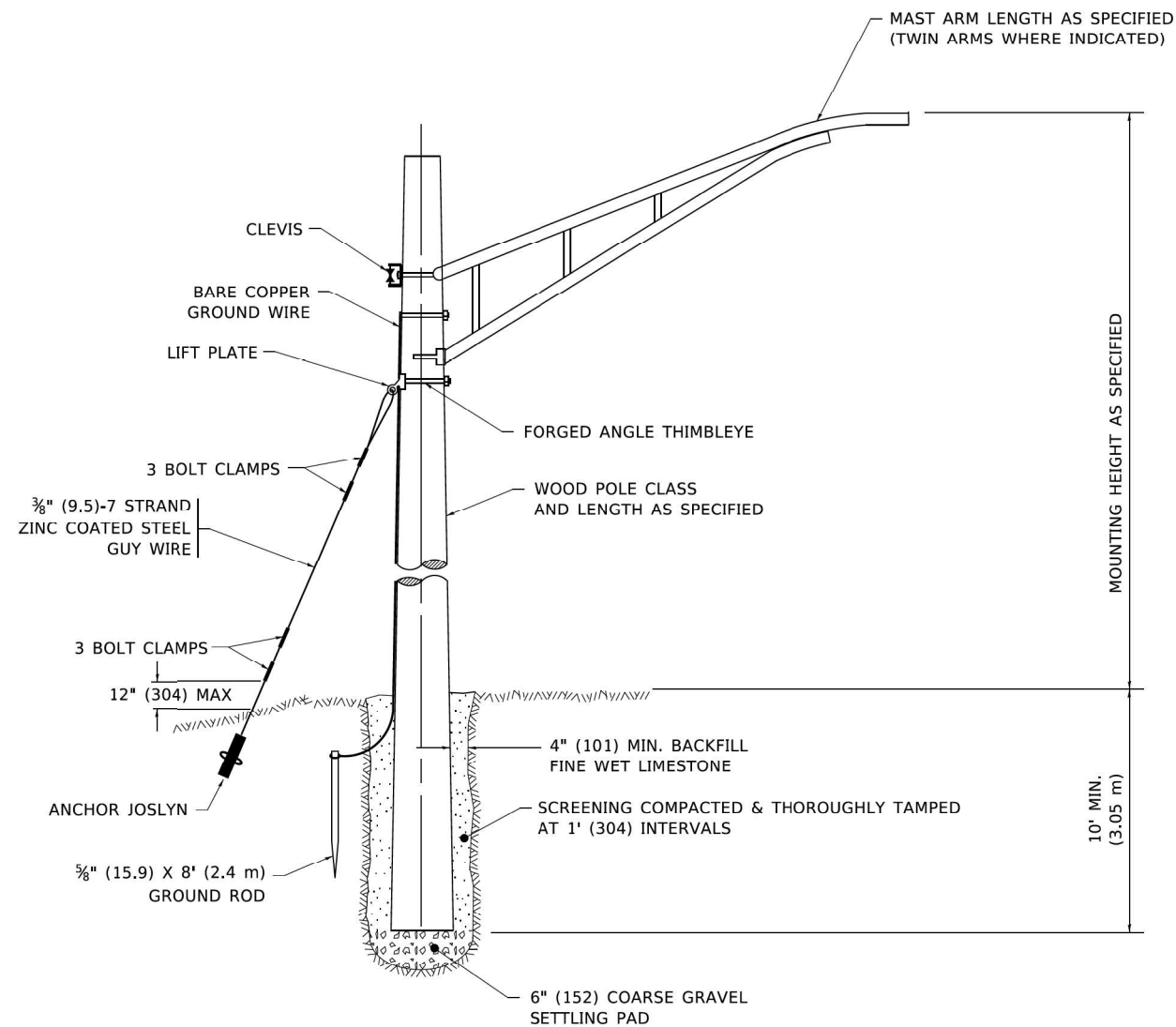


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD DETAIL						
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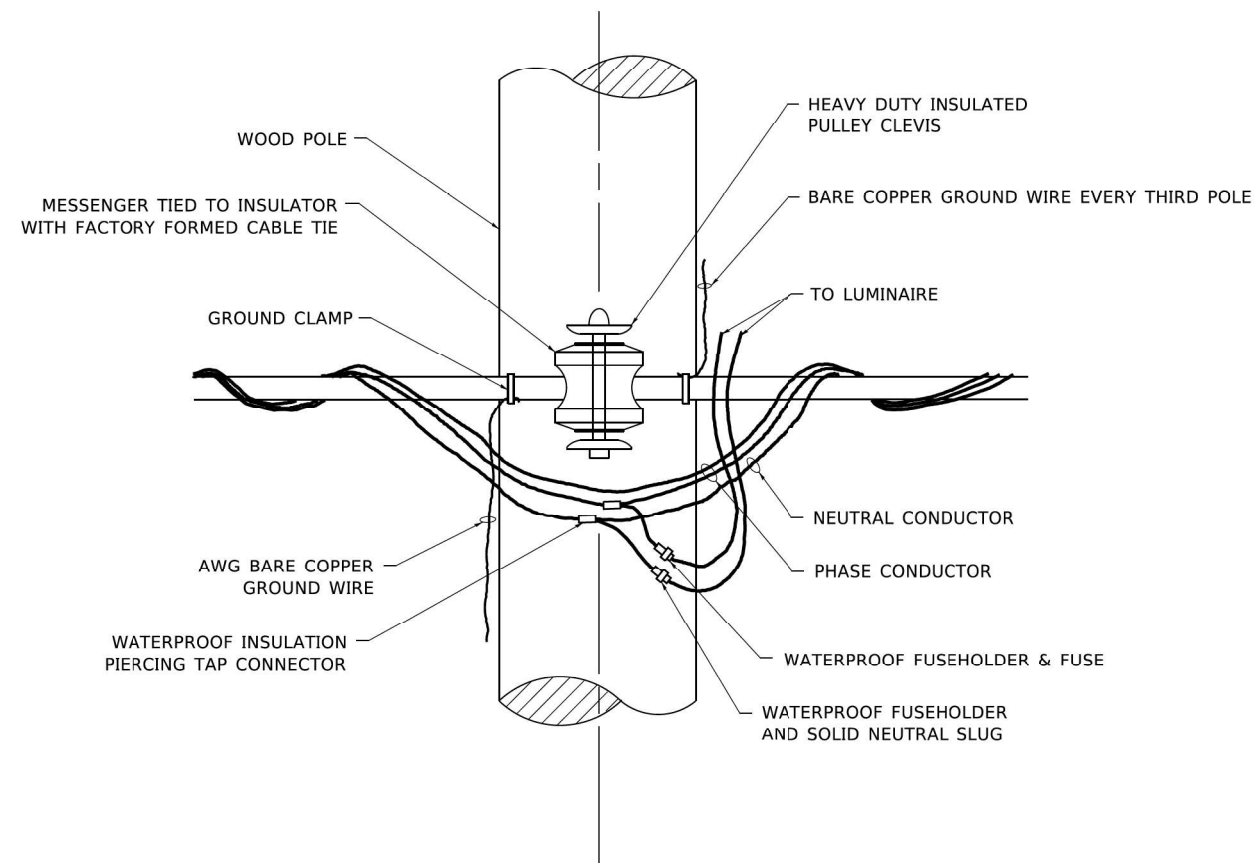
303		CONTRACT NO. 64N49	
ILLINOIS		FED. AID PROJECT	



TEMPORARY LIGHT POLE DETAIL

NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.



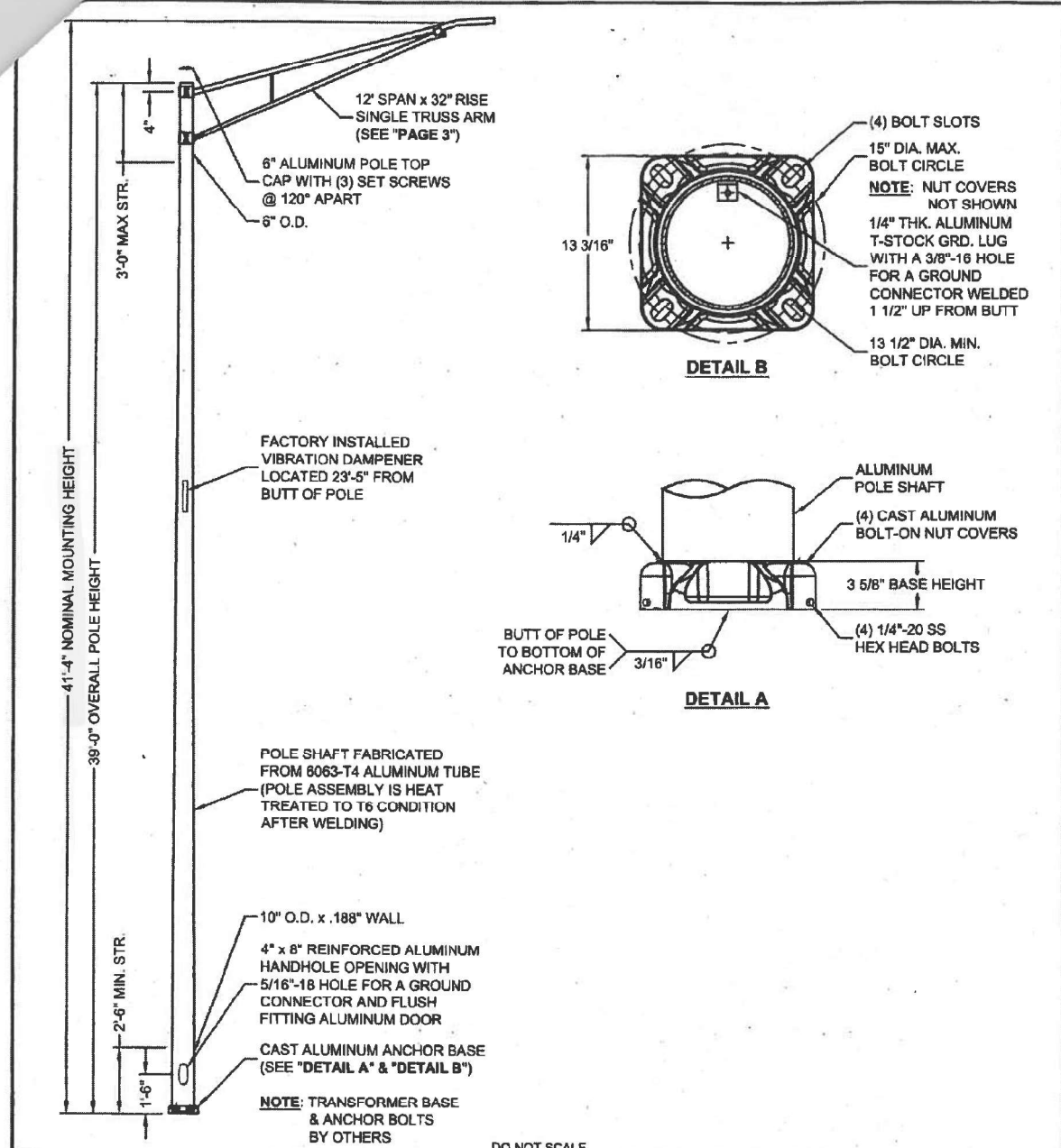
TEMPORARY LIGHT POLE ATTACHMENT DETAIL

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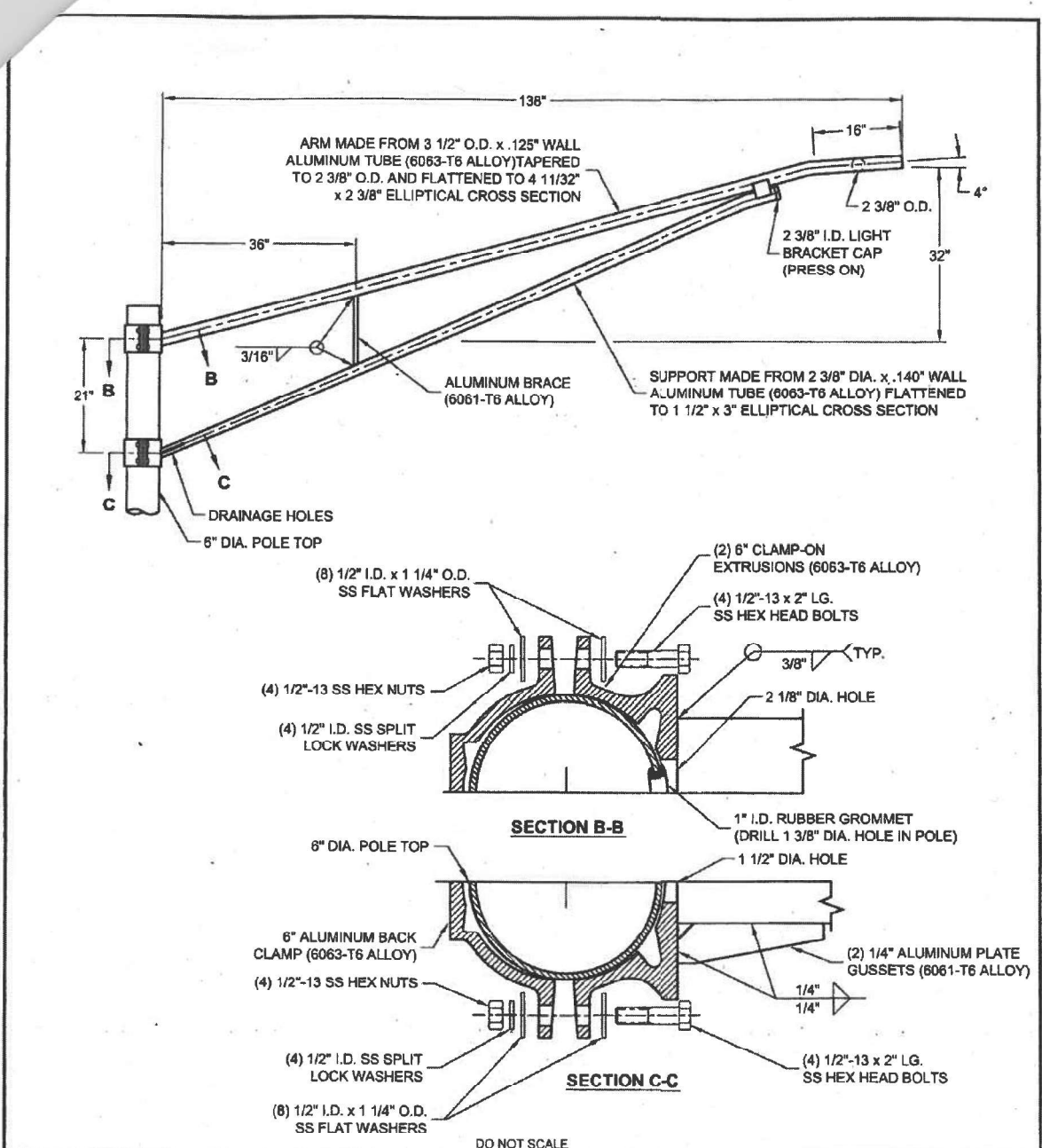
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PLOT DATE = 3/2/2021	DATE -	REVISED -									

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<p>Valmont Industries, Inc. Structures Division 20805 Eaton Ave Farmington, Minnesota 55024-7832 Phone: (651) 463-8990 (800) 899-7577 Fax: (651) 463-3349</p>		<p>TITLE: S ANCHOR BASE ALUMINUM POLES MODEL NO.: 390080106T4C MATERIAL: ALUMINUM ALLOY FINISH: 100 GRIT SATIN FINISH PROJECT: FIVE POINTS POLE N. 2nd Pole SOLD TO: STEINER ELEC SHIP TO: P.O. NO: S005278332 REP: LIGHTING SOLUTIONS OF ILLINOIS</p>	<p>QTY: 2 DWN BY: PTP CHKD BY: APPR BY: CEJ DATE: 01-28-16 DWG NO: LHA4078 PAGE: 1/4</p>
<p>**CONFIDENTIAL** The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.</p>		<p>REV DATE REVISION DESCRIPTION BY</p>	<p>1/4</p>



<p>Valmont Industries, Inc. Structures Division 20805 Eaton Ave Farmington, Minnesota 55024-7932 Phone: (651) 463-8990 (800) 899-7577 Fax: (651) 463-3349</p>		<p>TITLE: S TRUSS SGL A 12' x 32' x 3.5\"/> </p>	<p>QTY: 2 DWN BY: PTP CHKD BY: APPR BY: CEJ DATE: 01-28-16 DWG NO: LHA4078 PAGE: 3/4</p>
<p>**CONFIDENTIAL** The information contained in this drawing is privileged and confidential, and may be protected from disclosure. Please be aware that any use or dissemination of this drawing may be subject to legal restriction or sanction.</p>		<p>REV DATE REVISION DESCRIPTION BY</p>	<p>3/4</p>

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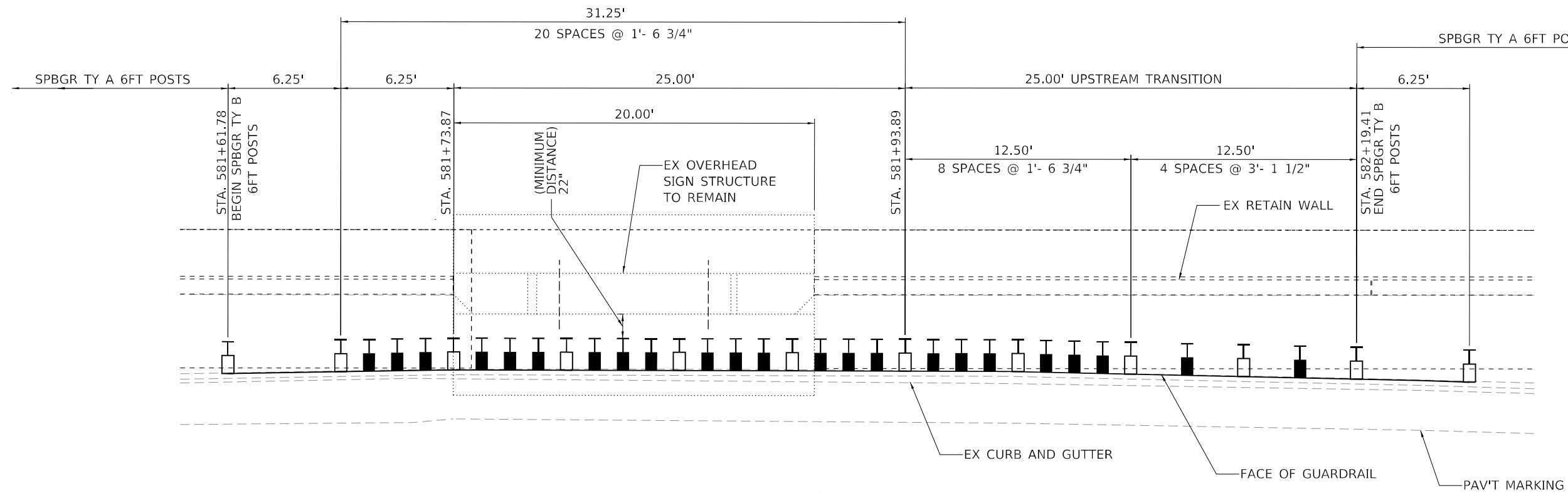


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	DATE = 3/2/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS	
STANDARD DETAIL	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	65
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N49	



TRANSITION TO 1/4 POST SPACING

WHEN LENGTH OF OBSTACLE IS 1'-3" OR LESS, THE DOWNSTREAM TRANSITION SHALL BE OMITTED

POST SPACING TRANSITIONS

NOTE: NO MODIFICATIONS OF ANY KIND TO THE TRANSITION POST SPACING ARE ALLOWED

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	DATE - 3/2/2021	REVISED -

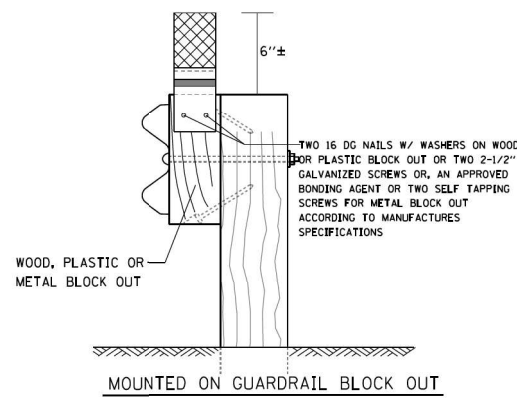
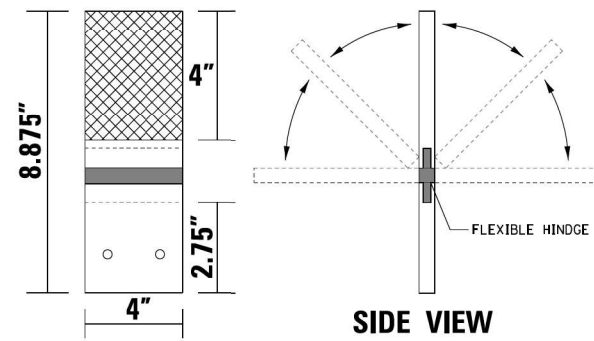
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
GUARDRAIL DETAILS**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	66
			CONTRACT NO. 64N49	
		ILLINOIS FED. AID PROJECT		

GUARDRAIL REFLECTORS, TYPE C (SPECIAL)



REFLECTORS MAY BE MOUNTED DIRECTLY TO METAL, WOOD OR PLASTIC BLOCK OUTS.

IF MOUNTED ON WOODEN OR PLASTIC BLOCK OUT, THE REFLECTORS SHALL BE MOUNTED USING TWO 16 DG NAILS AND TWO 3/16" WASHERS OR TWO 2-1/2" GALVANIZED SCREWS WITH WASHERS.

IF MOUNTED ON METAL BLOCK OUT, THE REFLECTORS SHALL BE MOUNTED USING AN APPROVED BONDING AGENT PER THE MANUFACTURE'S SPECIFICATIONS, OR TWO SELF TAPPING GALVANIZED SCREWS WITH WASHERS.

NOTE:
REFLECTORS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR GUARDRAIL REFLECTORS, TYPE C (SPECIAL), WHICH PRICE SHALL ALSO INCLUDE SCREWS/NAILS, WASHERS OR BONDING AGENT.

REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS SHALL BE SINGLE SIDED.

SHEETING COLOR SHALL BE CALLED OUT IN THE PLANS.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD T82006 UNLESS OTHERWISE NOTED IN THE PLANS.

PLOT DATE = Dec-03-2020 07:25:46 AM

REVISED -	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
REVISED -										
REVISED -				CONTRACT NO.						
REVISED -				SCALE: 50.0000' / in	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

MODEL: I:\00\DELTA\NAMES FILE NAME: G:\2020\2020 IDOT P7B 164 02-015-19 Structural & Roadway\QUICK003A Design\01_CADD\02_Sheet\02_Sheet\02-Guardrail.dwg



USER NAME = rmanuod	DESIGNED -	REVISED -
PLOT SCALE = 2,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/2/2021	CHECKED - GC	REVISED -
	DATE - 3/2/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

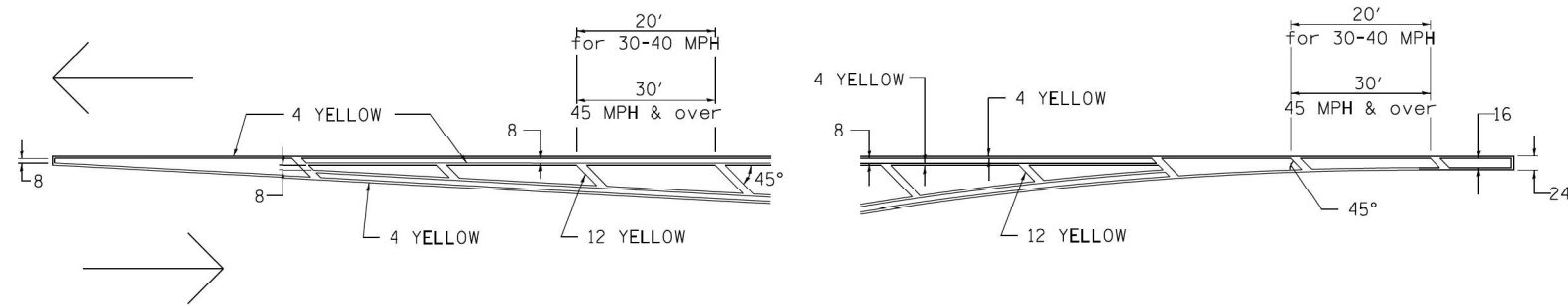
**IL 251 (NORTH 2nd ST.) – RETAINING WALL REPAIRS
STANDARD DETAIL**

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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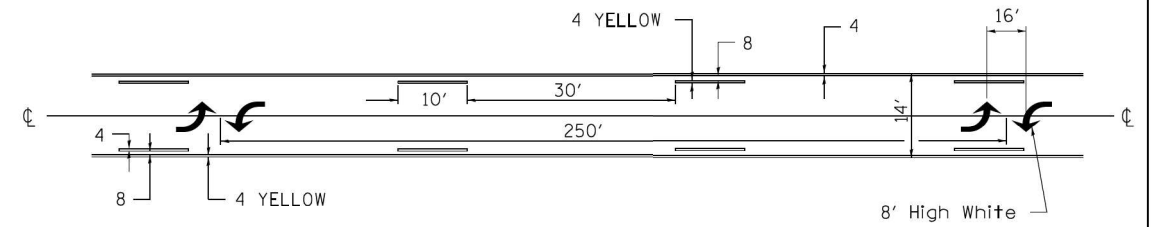
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	67
CONTRACT NO. 64N49				
		ILLINOIS	FED. AID PROJECT	

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

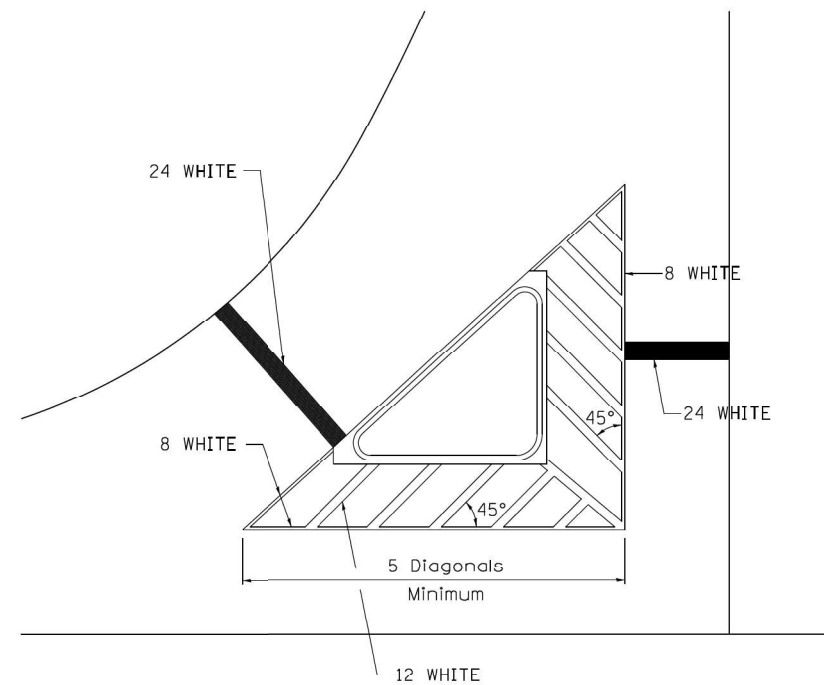


MEDIAN PAVEMENT MARKING



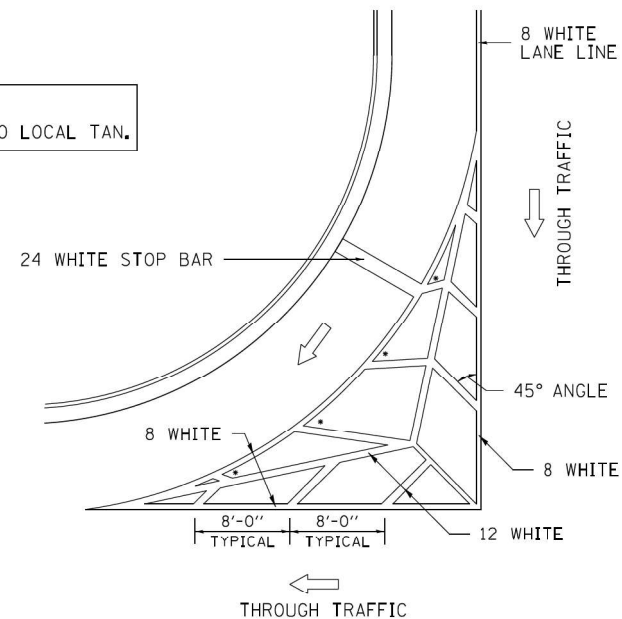
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



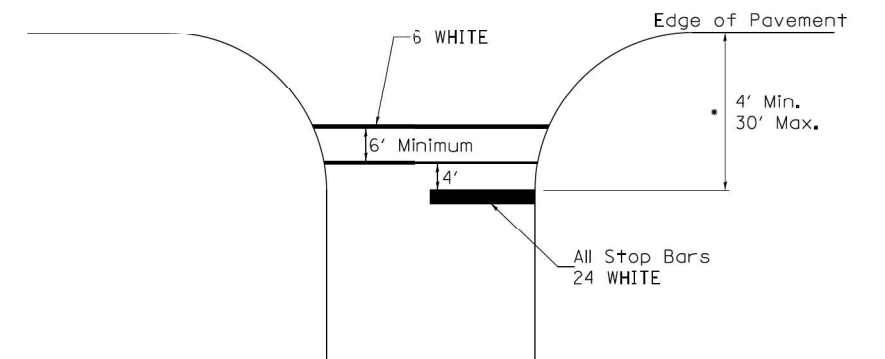
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = District 2 Standard	USER NAME = IDOT/District 2	DESIGNED - DRAWN -	REVISED - 6-27-14 REVISED - 3-05-12
	PLOT SCALE = 1,000' / 1" / 1"	CHECKED -	REVISED -
	PLOT DATE = 4/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					CONTRACT NO.				

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1

MODEL: 1409BELMARKS
FILE NAME: C:\2020\03 IDOT P7B 164 02-015-19 Structural & Roadway\QUICK003A Design\01 CAD\02 Sheets\02 64N49Sheet1.dgn



USER NAME = rmanuod	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2,000' / 1" / 1"	CHECKED - GC	REVISED -
PLOT DATE = 3/2/2021	DATE - 3/2/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

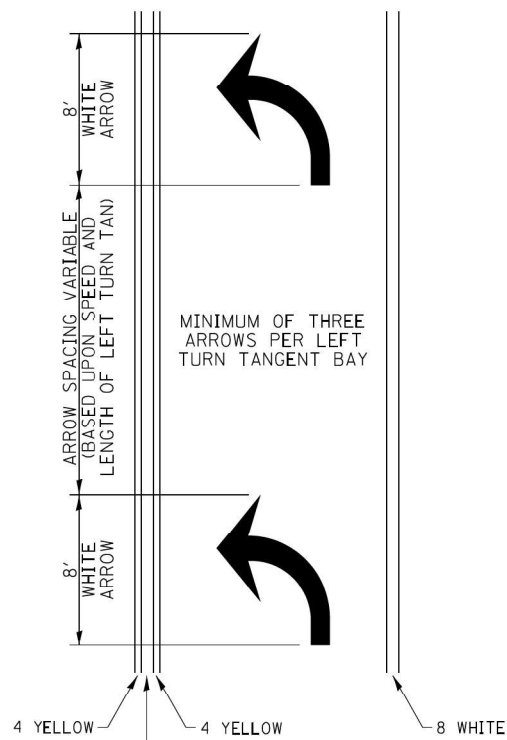
IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
STANDARD DETAIL

SCALE:	SHEET	OF SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					CONTRACT NO. 64N49				

ILLINOIS FED. AID PROJECT

TYPICAL PAVEMENT MARKINGS

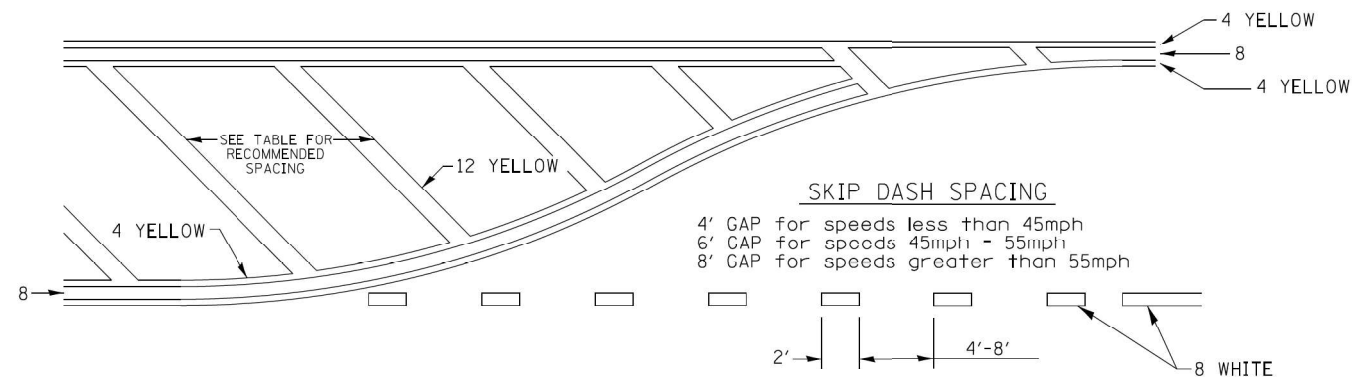
ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

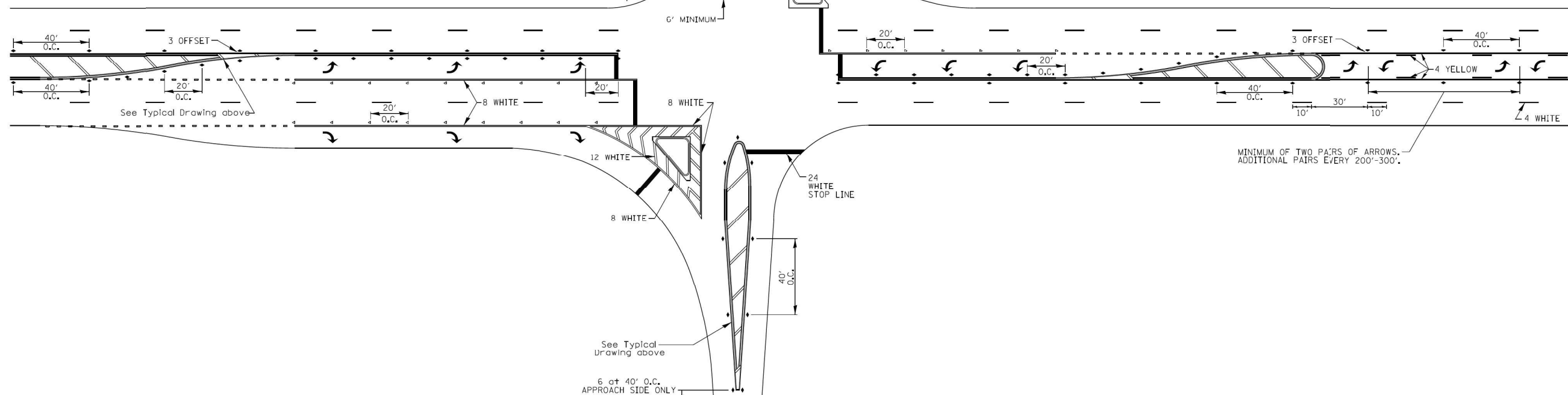
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME = District 2 Standard	USER NAME = IDOT/District 2	DESIGNED -	REVISED - 6-27-14
		DRAWN -	REVISED - 3-05-12
	PLOT SCALE = 1/8000' / 1" =	CHECKED -	REVISED -
	PLOT DATE = 4/17/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					CONTRACT NO.				

TYPICAL PAVEMENT MARKINGS SHEET 2 OF 3 41.1

USER NAME = rmanuod	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2,000' / 1" =	CHECKED - GC	REVISED -
PLOT DATE = 3/2/2021	DATE - 3/2/2021	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

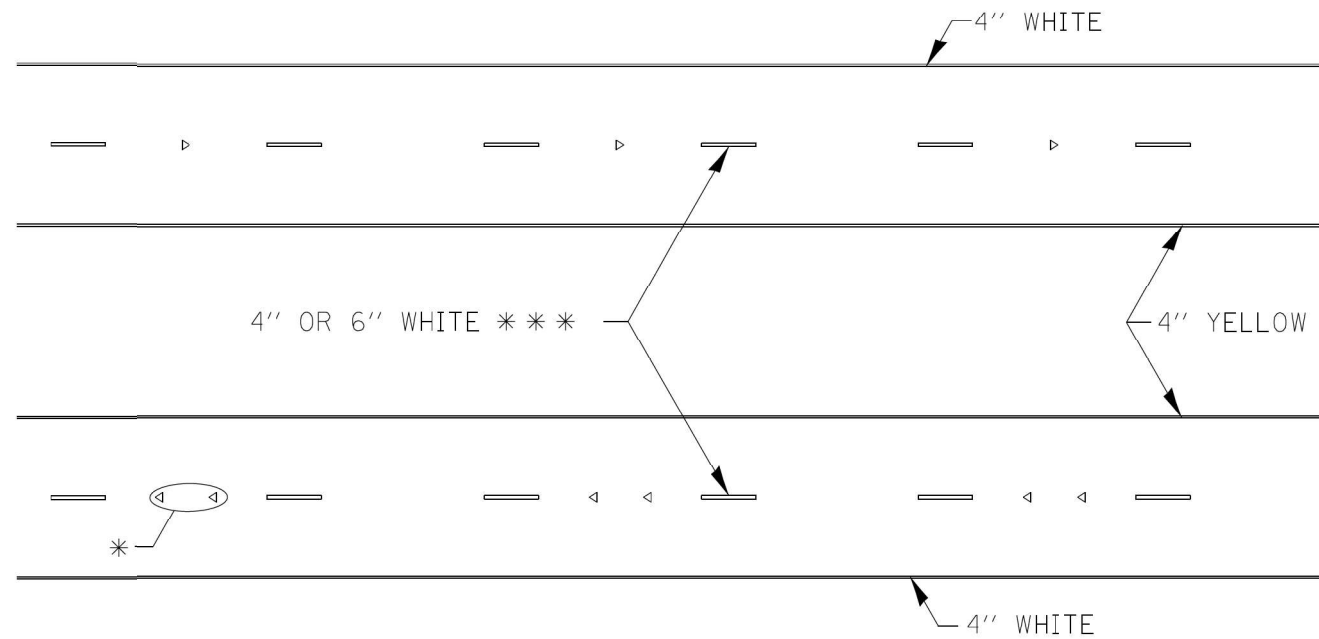
IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
STANDARD DETAIL

SCALE:	SHEET	OF SHEETS	STA.	TO STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					CONTRACT NO. 64N49				

MODEL: 1409BELNAMES
FILE NAME: C:\D2\20203 IDOT P7B 164 02-015-19 Structural & Roadway\QUICK003A Design\01_CADD\02_Sheet\02_Standard\Sheet 2 of 4.dgn

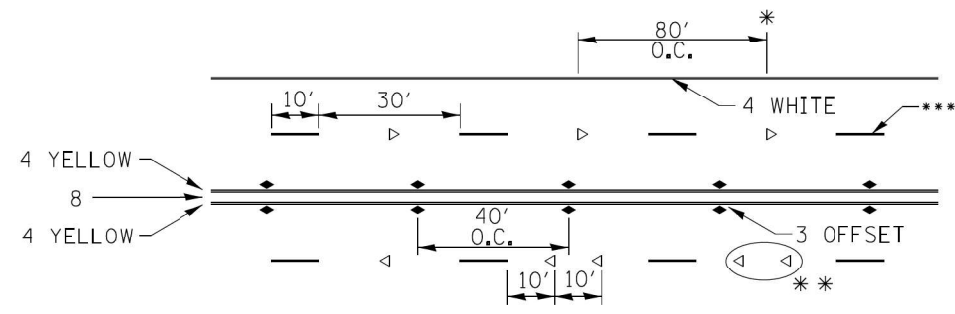


TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT > 20,000.

MULTI-LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

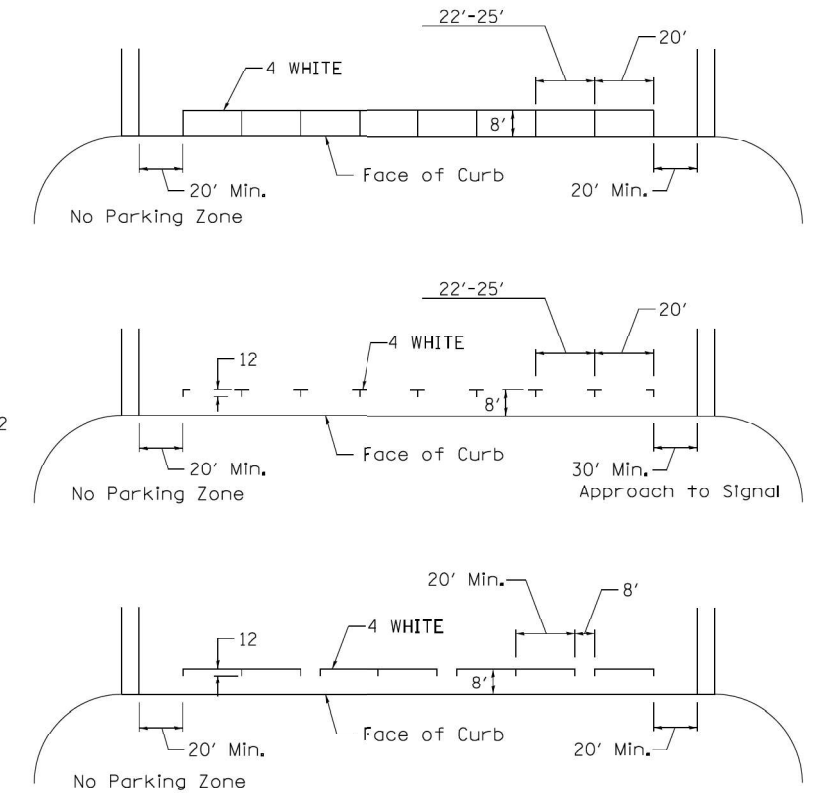
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

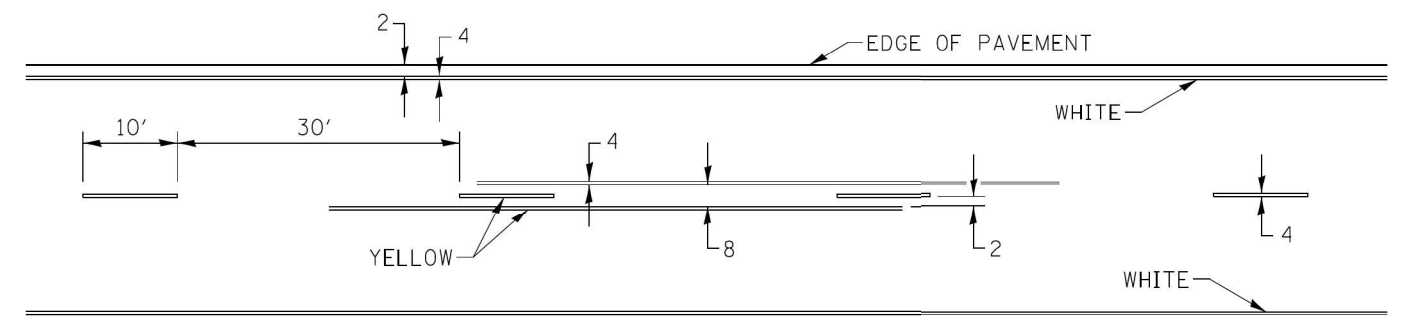
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



SYMBOLS

FILE NAME = District 2 Standard	USER NAME = rmanuod	DESIGNED - DRAWN -	REVISED - 6-27-14 REVISED - 8-27-13	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1,0000' / 1" =	CHECKED -	REVISED - 11-28-12			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
	PLOT DATE = 4/17/2019	DATE -	REVISED -							

TYPICAL PAVEMENT MARKINGS SHEET 3 OF 3 41.1

MODEL: 1409BELNAMES
FILE NAME: C:\2020\03 IDOT P7B 164 02-015-10 Structural & Roadway\QUICK003A Design\01 CADD\02 Sheet\02_02_04\02Sheet3.dwg



USER NAME = rmanuod	DESIGNED -	REVISED -
DRAWN -	CHECKED - GC	REVISED -
PLOT SCALE = 2,0000' / 1" =	DATE - 3/2/2021	REVISED -
PLOT DATE = 3/2/2021		

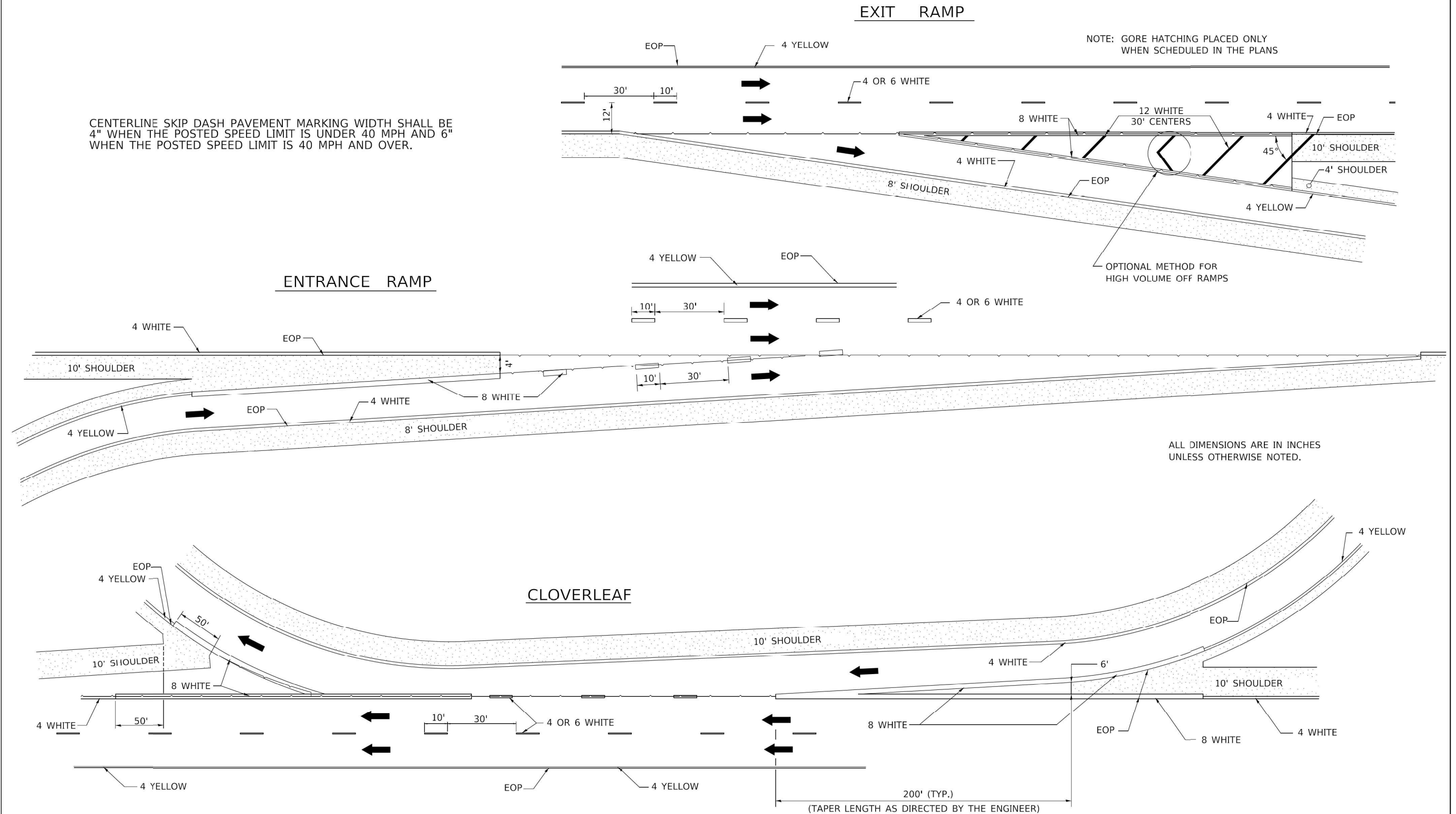
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:	SHEET	OF SHEETS	STA.	TO STA.	IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					STANDARD DETAIL	303	(1-2)RWR	WINNEBAGO	79	70
										CONTRACT NO. 64N49
										ILLINOIS FED. AID PROJECT

PAINTING DETAILS

CENTERLINE SKIP DASH PAVEMENT MARKING WIDTH SHALL BE 4" WHEN THE POSTED SPEED LIMIT IS UNDER 40 MPH AND 6" WHEN THE POSTED SPEED LIMIT IS 40 MPH AND OVER.

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN THE PLANS



FILE NAME: District 2 Standard	USER NAME = IDOT/District 2	DESIGNED -	REVISED - 8 27 13	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1,0000' / in.	DRAWN -	REVISED - 10-18-11							
	PLOT DATE = 5/14/2020	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.					
		DATE -	REVISED -							

PAINTING DETAILS 44.1

MODEL: 1409161.NAMPS
FILE NAME: C:\D2\202003 IDOT P7B 164 02-015-10 Structural & Roadway\QUICK003A Design\01 CAD\02_Sheet\T1_D2_64N49.rvt.dwg of 4.dwg



USER NAME = rmanuod	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - GC	REVISED -
PLOT DATE = 3/2/2021	DATE - 3/2/2021	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 251 (NORTH 2nd ST.) - RETAINING WALL REPAIRS
STANDARD DETAIL**

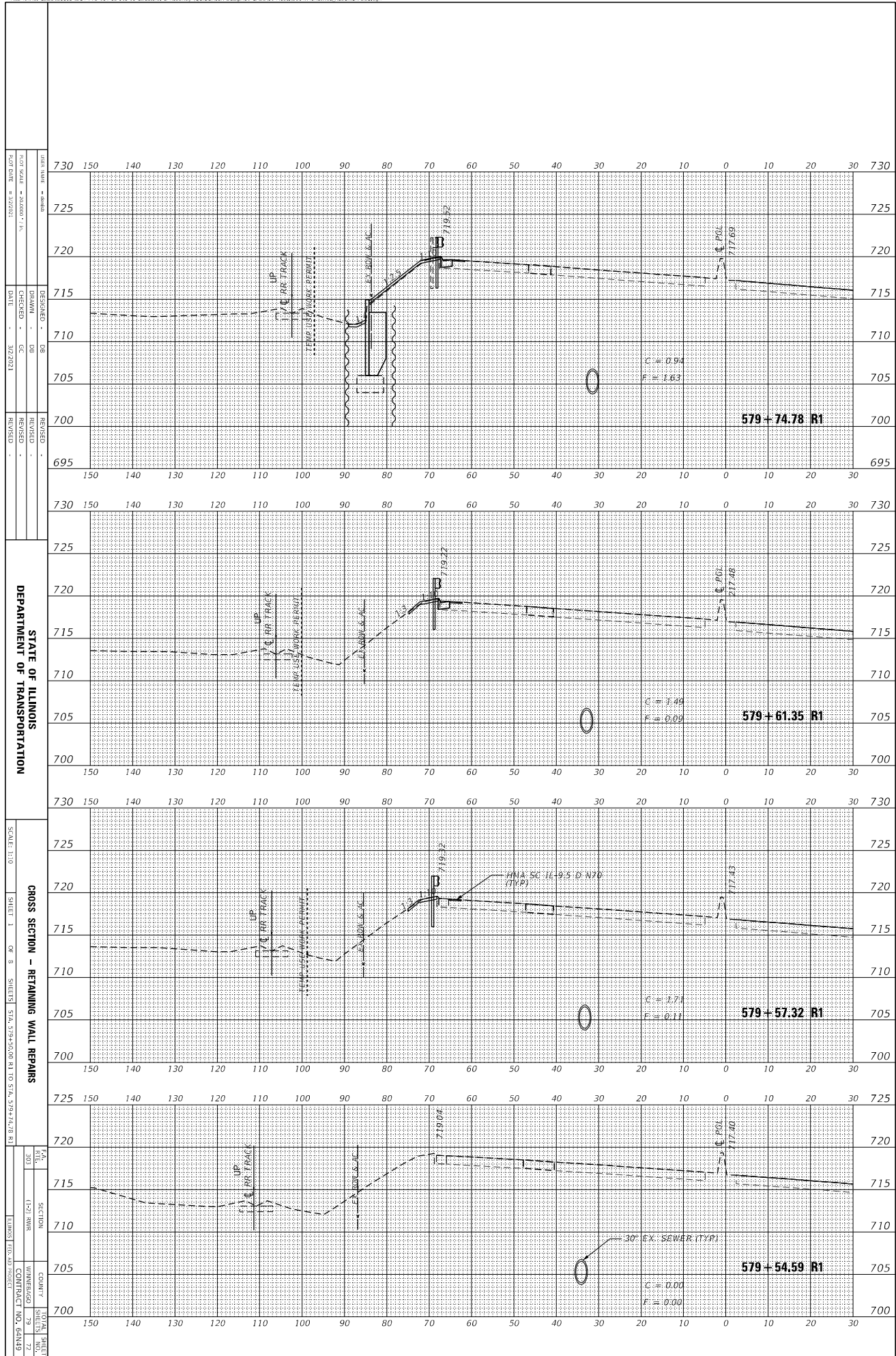
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(1-2)RWR	WINNEBAGO	79	71
CONTRACT NO. 64N49				
ILLINOIS FED. AID PROJECT				

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

MODEL: 3H08LNA4E1
 FILE NAME: G:\2120803\B01.P18 184 924-15-19 Structural & Roadway (DUIGG\JDA Design\01 CAD\001 Model\B01\04\08RetWall.kSECTION4.RWG.dwg)



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'
 SHEET 1 OF 8 SHEETS STA. 574+50.00 R1 TO STA. 579+74.78 R1

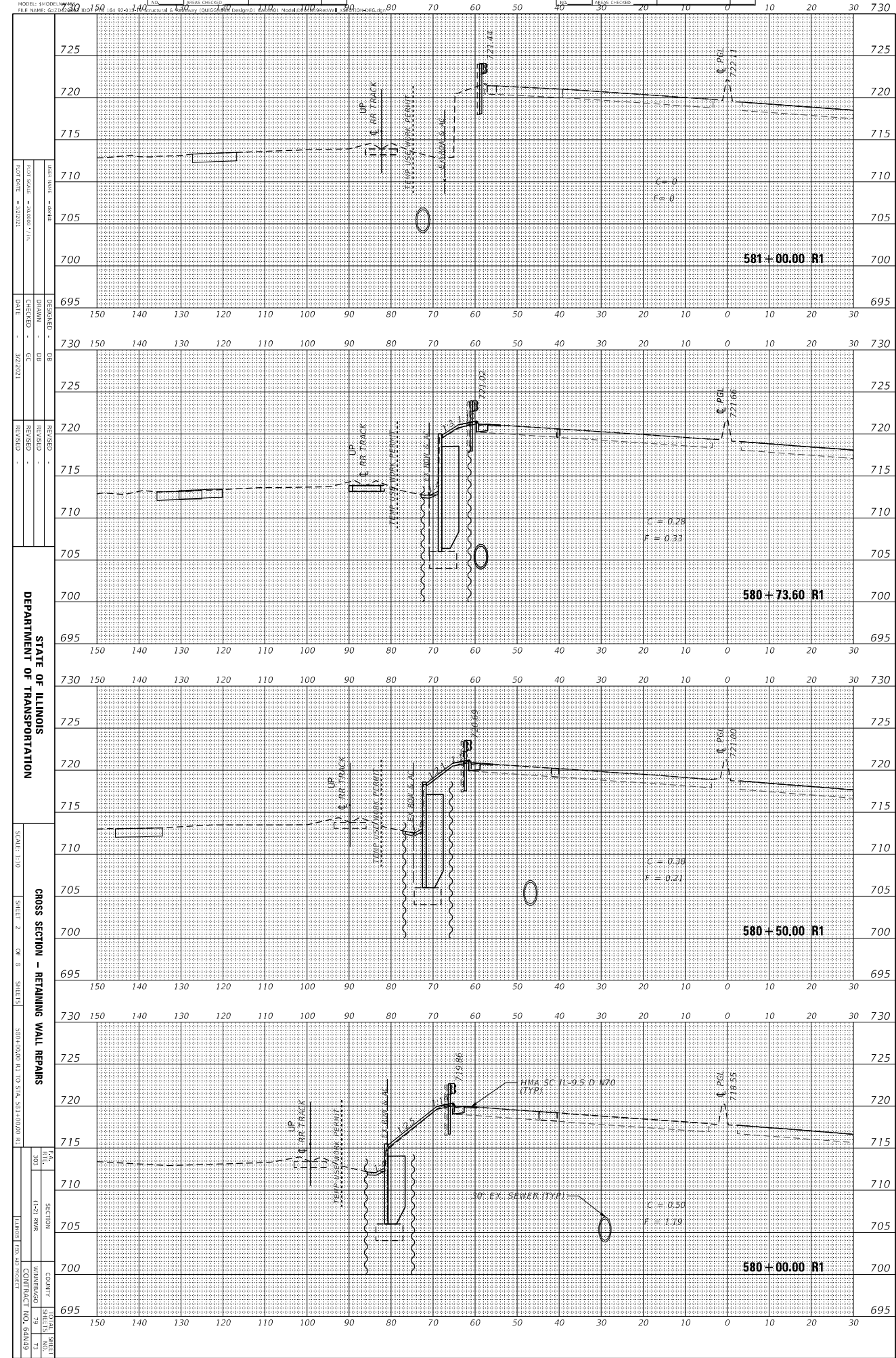
GROSS SECTION - RETAINING WALL REPAIRS

DATE: 3/22/2021
 DESIGNED: DB
 DRAWN: DB
 CHECKED: GC
 REVISIONS:

FILE NO. 201
 SECTION 1-21 SWR
 COUNTY WINNEBAGO
 CONTRACT NO. 64N19

ORIGINAL SURVEY	SURVEYED	BY	DATE
PLOTTED	PLOTTED		
NOTE BOOK	NOTE BOOK		
	APPROVED		

FINAL SURVEY	SURVEYED	BY	DATE
PLOTTED	PLOTTED		
NOTE BOOK	NOTE BOOK		
	APPROVED		



DATE PLOTTED - 08/14/2021
 PLOT SCALE - 1"=20'-0"
 PLOT DATE - 08/14/2021

DESIGNED - DB
 CHECKED - GC
 DATE - 02/22/2021

REVISIONS
 REVISION
 REVISION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'
 SHEET 2 OF 8 SHEETS

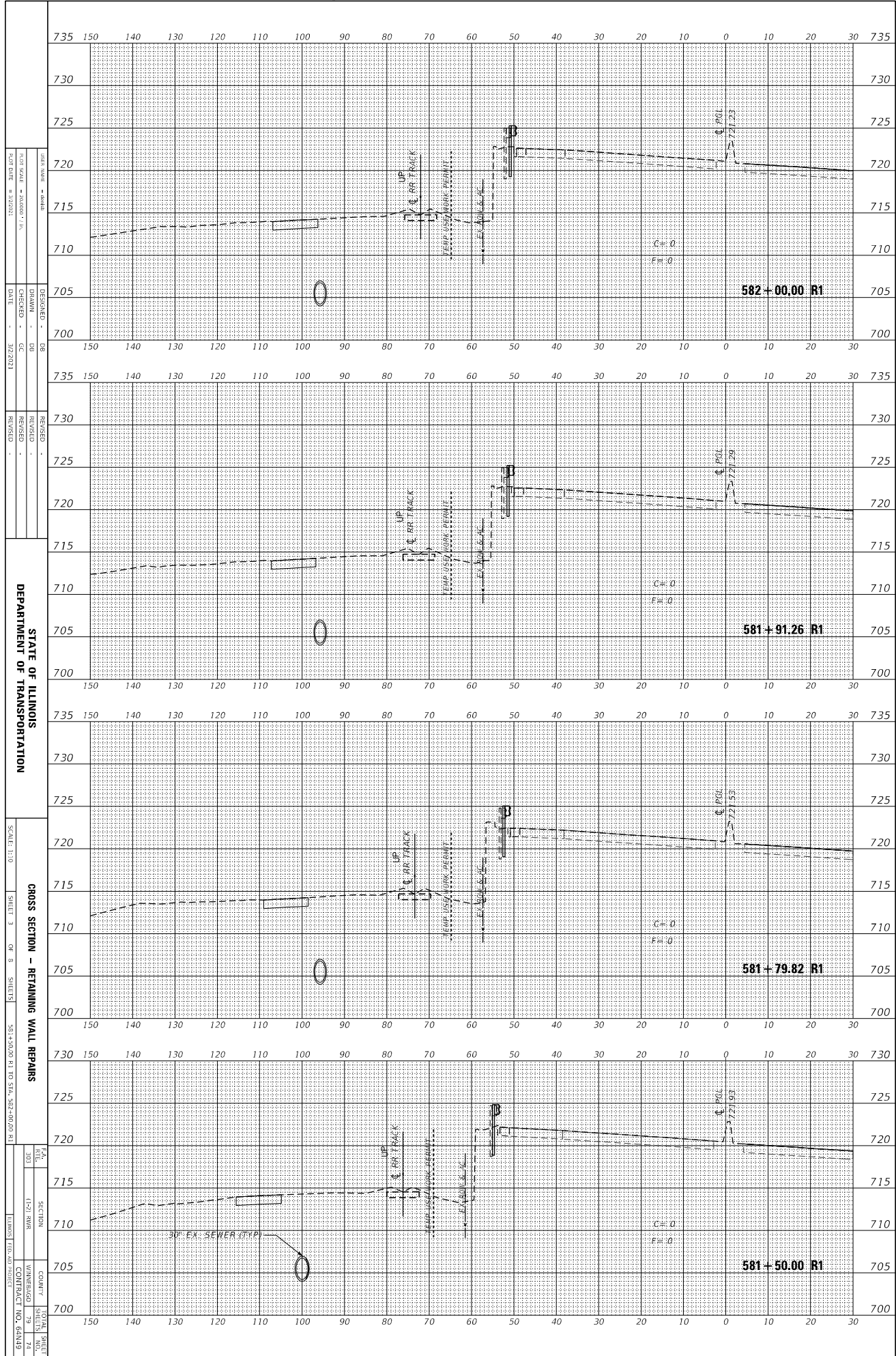
CROSS SECTION - RETAINING WALL REPAIRS
 580+00.00 R1 TO STA. 581+00.00 R1

TOTAL SHEET NO. 73
 SECTION 1-21
 COUNTY JEFFERSON
 CONTRACT NO. 64N19

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPERATURE		
	WIND		
	AREAS CHECKED		

MODEL: S:\MODEL\NAME1
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DATE	DESIGNED	DB
SCALE	DRAWN	DB
DATE	CHECKED	GC
DATE	DATE	3/22/2021

REVISION	REVISION
REVISION	REVISION
REVISION	REVISION

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

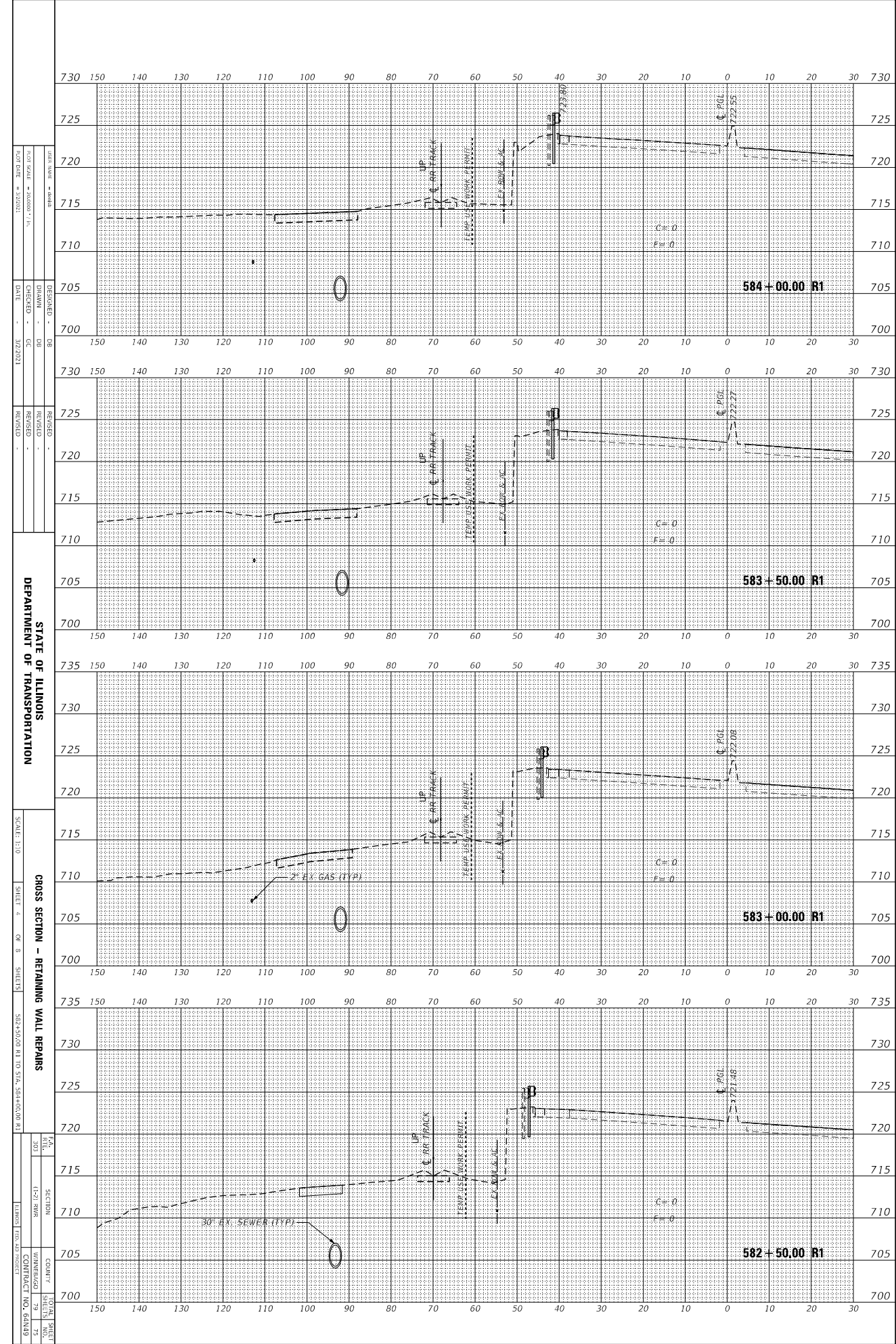
SCALE: 1"=10'
 SHEET 3 OF 9 SHEETS
 CROSS SECTION - RETAINING WALL REPAIRS

FILE NO.	SECTION	COUNTY	SHEET NO.
301	1-21 SW	WINNEBAGO	75
		CONTRACT NO.	64N19
			64N19

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA CHECKED		

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 FILE NAME: G:\2120801\DOT P18 184 924-19 Structure & Roadway\DRUGG\20A Design\01 CAD\01 Model\2024\08\Retain\18 SECTION\HRC.dwg



DATE PLOTTED	DATE
SCALE	
DATE	

DESIGNED	DATE
CHECKED	
DATE	

REVISION	DATE
REVISION	
REVISION	

SCALE	SHEET	OF	SHEETS
1:10	4	9	

SECTION	NO.
1-21	75

COUNTY	TOWNSHIP	RANGE	SECTION
WINNEBAGO	7S	1E	75
CONTRACT NO.	64N49		

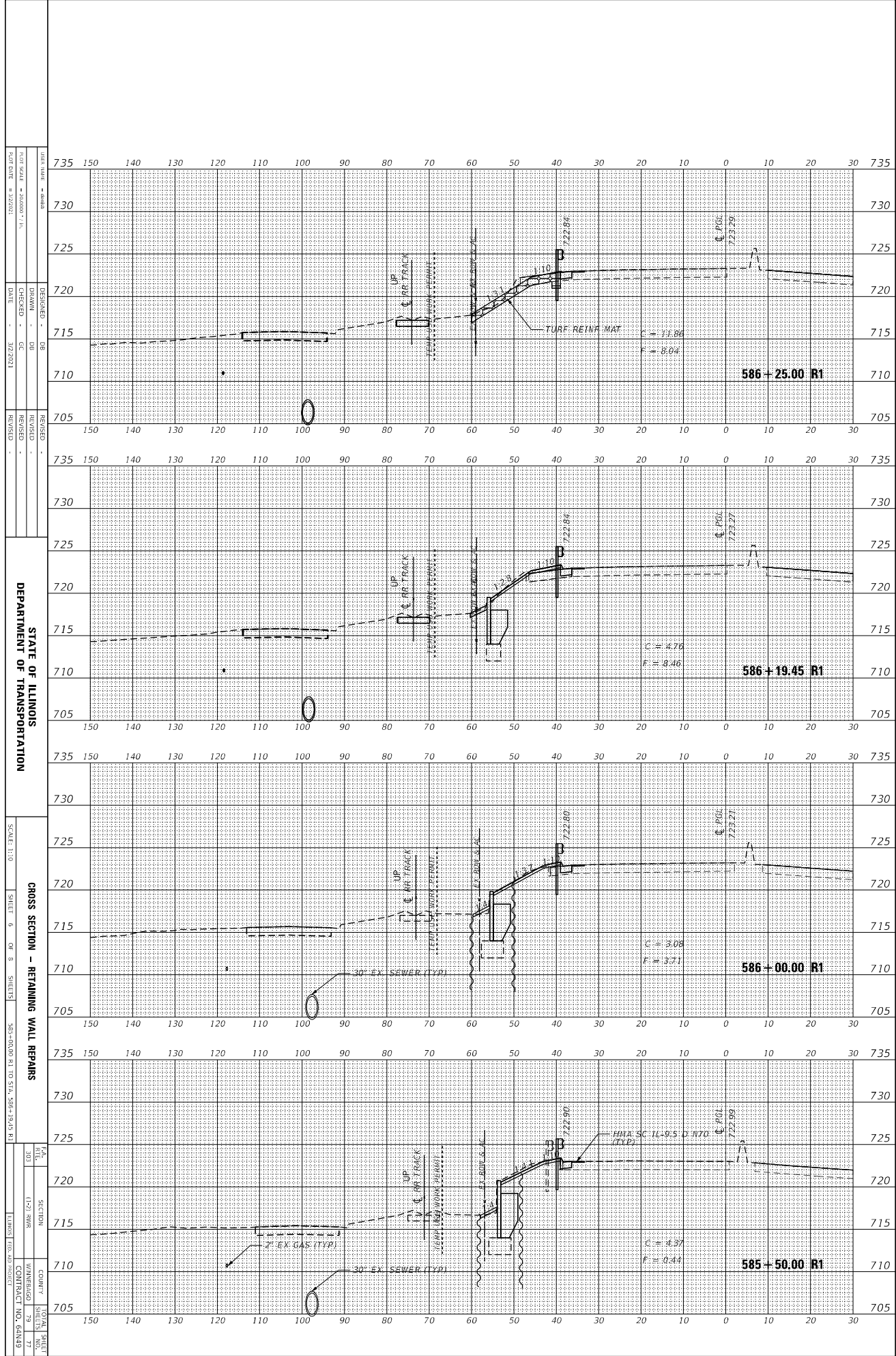
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTION - RETAINING WALL REPAIRS

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

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

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'

SHEET 6 OF 8 SHEETS

CROSS SECTION - RETAINING WALL REPAIRS

385+00.00 R1 TO 514+58.64+19.45 R1

DATE: 3/22/2021

DESIGNED: DB
 DRAWN: DB
 CHECKED: GC

REVISIONS:

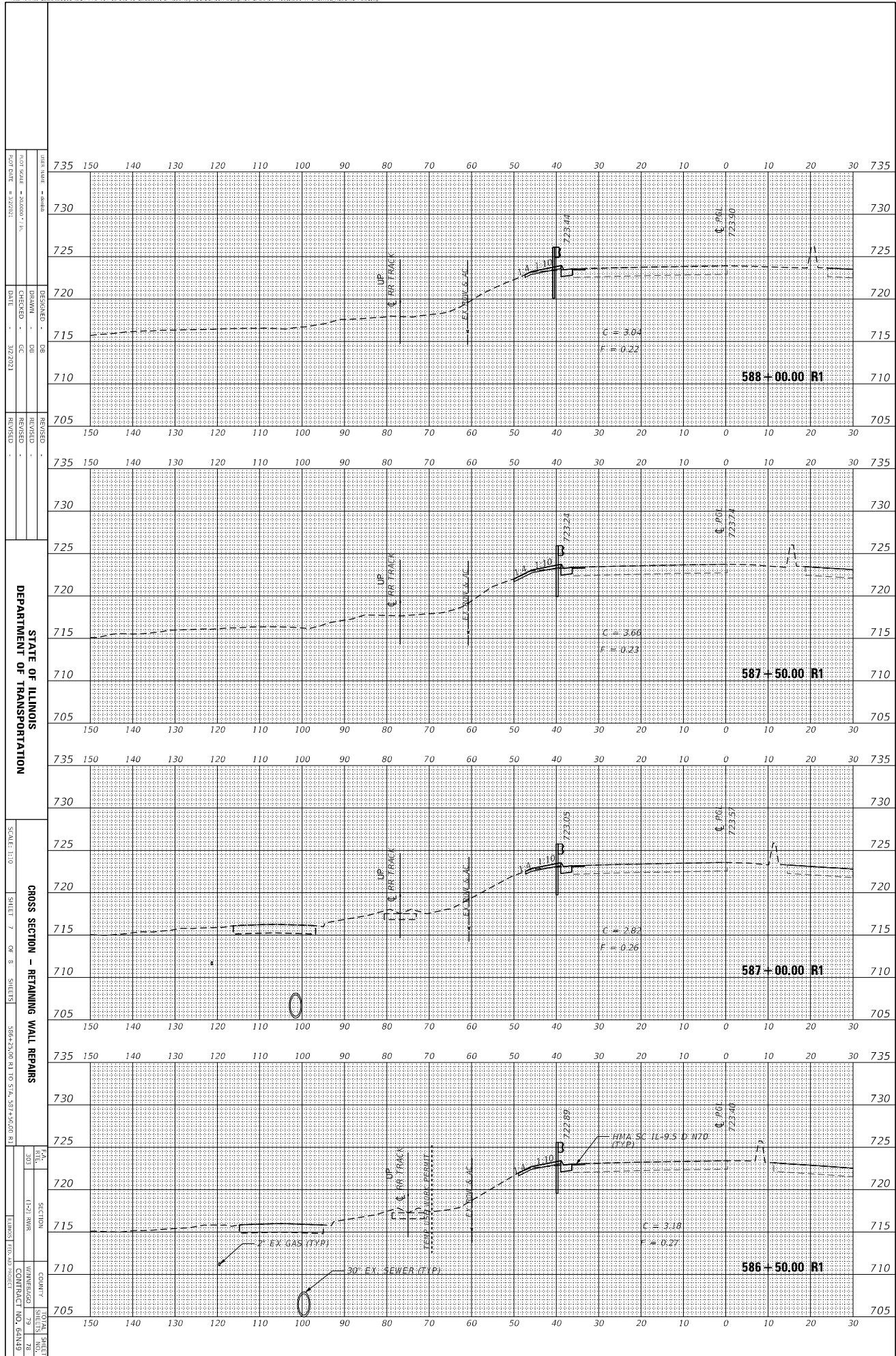
NO. 1: 1-21 SWR
 1: 1-21 SWR
 1: 1-21 SWR

COUNTY: JEFFERSON
 CONTRACT NO. 64N19

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

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

MODEL: 3H08LNA4E1
 FILE NAME: G:\212883\DOT P18 184 924-19 Structure & Roadway\DRUGG\20A Design\01 CAD\01 Model\DOT18-RetWall\KSECTIONHRC.dwg



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 CROSS SECTION - RETAINING WALL REPAIRS
 SCALE: 1"=10'
 SHEET 7 OF 8 SHEETS
 386+25.00 R1 TO 574+50.00 R1

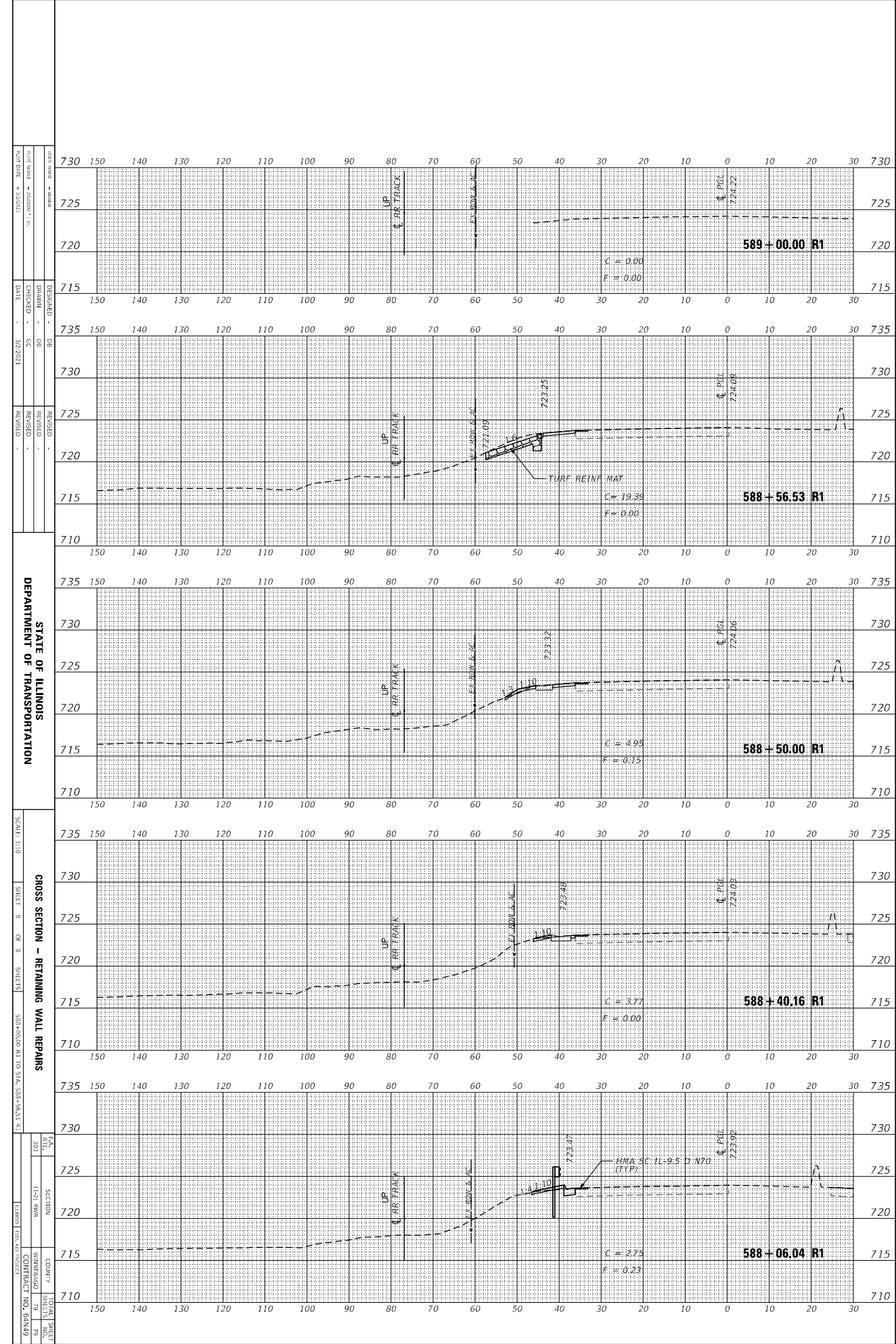
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 DESIGNED: DB
 DRAWN: DB
 CHECKED: GC
 DATE: 3/22/2021
 REVISIONS:

COUNTY: JEFFERSON
 CONTRACT NO. 64N19

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA CHECKED		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREA CHECKED		

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DESIGNED BY: DB
 DRAWN BY: GC
 CHECKED BY: GC
 DATE: 3/22/2021

REVISIONS:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10'

SHEET 9 OF 9 SHEETS

CROSS SECTION - RETAINING WALL REPAIRS

308+00.00 R1 TO STA. 308+06.04 R1

COUNTY: ILLINOIS
 CONTRACT NO. 64N19

SECTION: 1-21 SWM
 TOTAL SHEETS: 29