

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	360	2020-007-RS&SW	KANE	83	1
		ILLINOIS	CONTRACT NO. 62K78		
	* 83 + 1 = 84 TOTAL SHEETS				
	** 84 + 3 = 87 TOTAL SHEETS				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

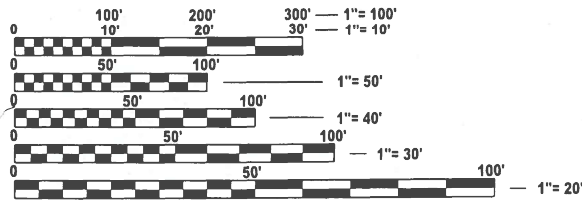
THIS PROJECT IS LOCATED IN THE CITY OF ELGIN, VILLAGE OF BARTLETT AND UNINCORPORATED ELGIN TOWNSHIP.

TRAFFIC DATA:

FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL

IL-25 (SAINT CHARLES ST)
PROJECT BEGINS TO KENYON RD
ADT (2023) = 15,900 VPD
SPEED LIMIT = 50 MPH

IL-25 (SAINT CHARLES ST)
KENYON RD TO BLUFF CITY BLVD
ADT (2023) = 15,900 VPD
SPEED LIMIT = 30-35 MPH



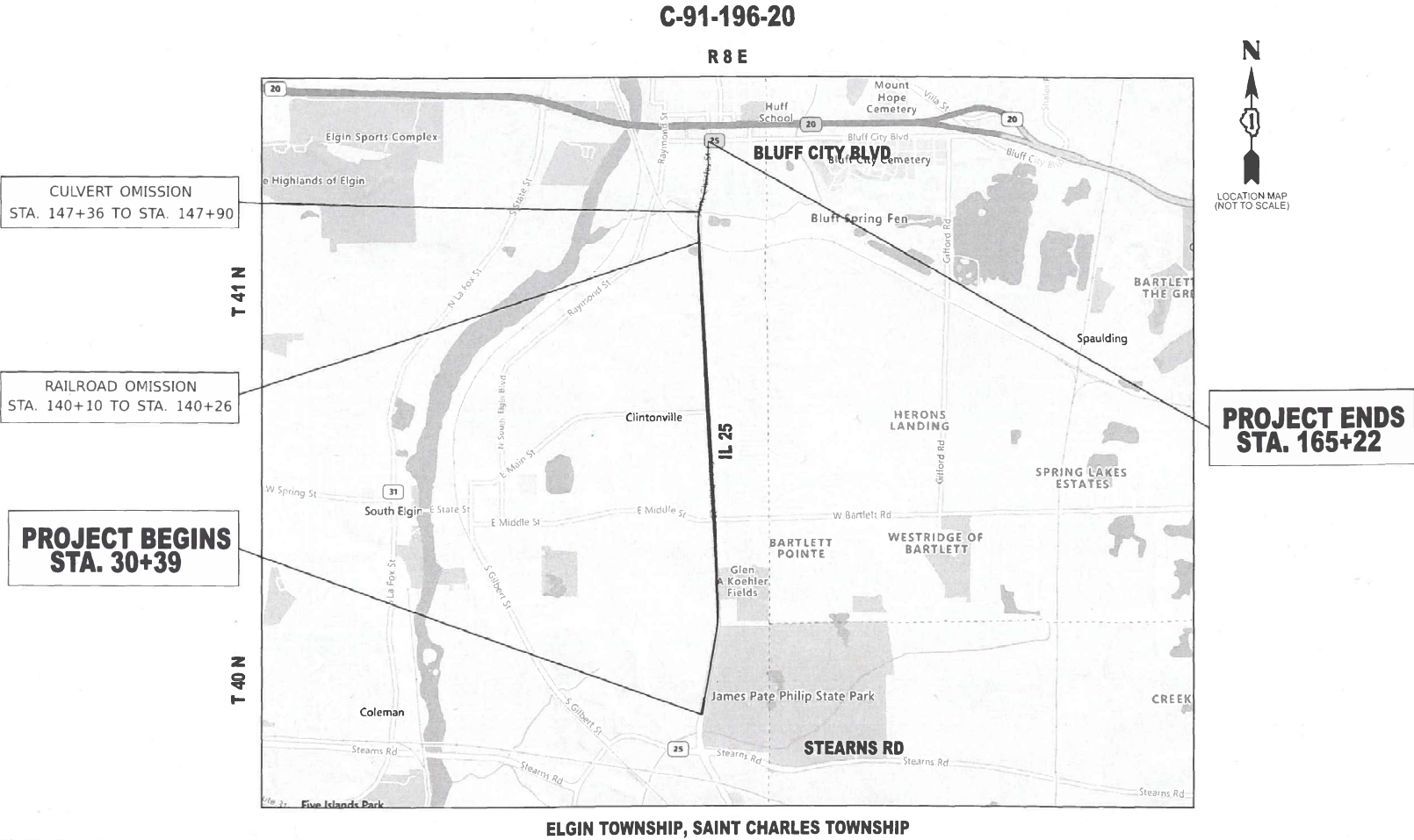
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432
PROJECT MANAGER: FAWAD AQUEEL

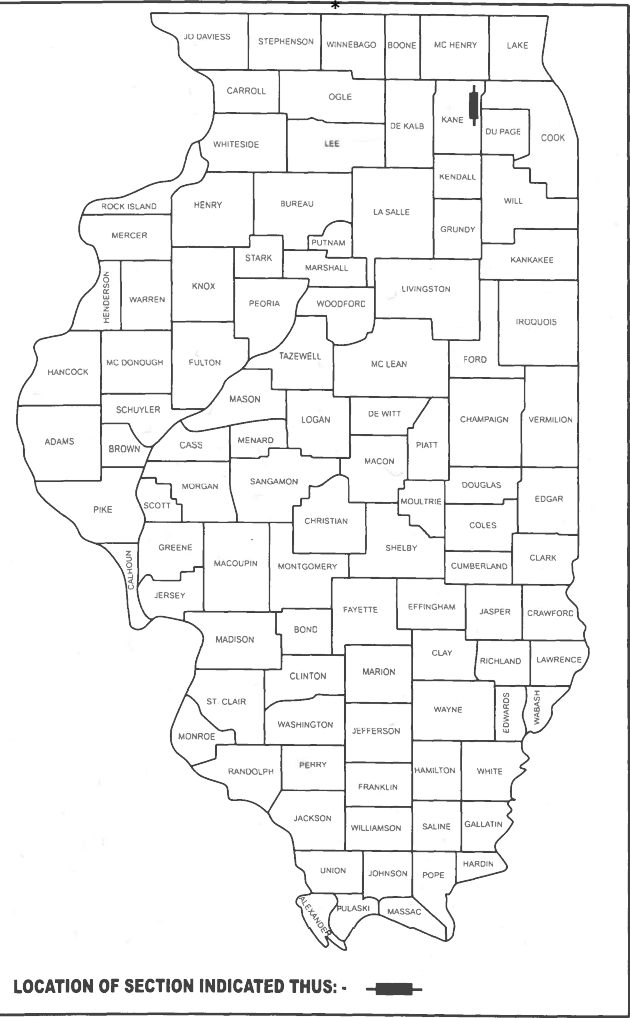
CONTRACT NO. 62K78

PROPOSED
HIGHWAY PLANS
FAP ROUTE 360: IL 25 (SAINT CHARLES STREET)
BLUFF CITY BLVD TO 0.4 MI N. OF STEARNS ROAD
SECTION: 2020-007-RS&SW
PROJECT: NHPP-34U2(653)
DESIGNED OVERLAY, NEW SHOULDERS, ADA IMPROVEMENTS
KANE COUNTY



ELGIN TOWNSHIP, SAINT CHARLES TOWNSHIP

GROSS & NET LENGTH = 13,483 FT. = 2.55 MILES
NET LENGTH = 13,413 FT. = 2.54 MILES



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 25th 2025
Indira IR

REGIONAL ENGINEER

August 15, 2025
See E. A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

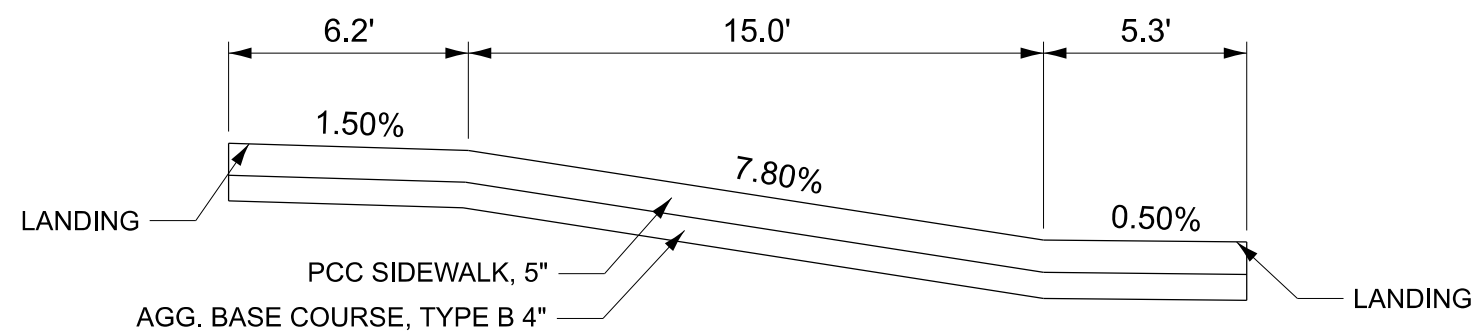
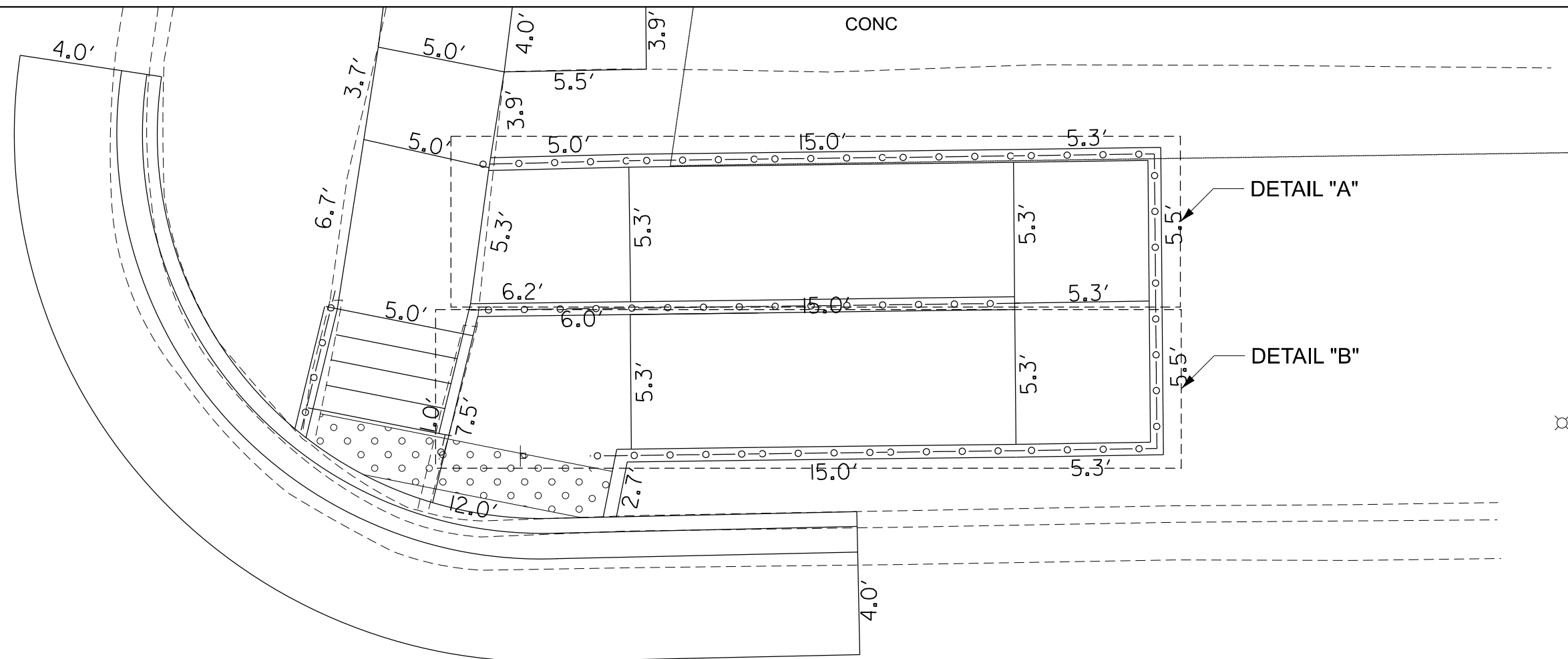
August 15, 2025
Cherry
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

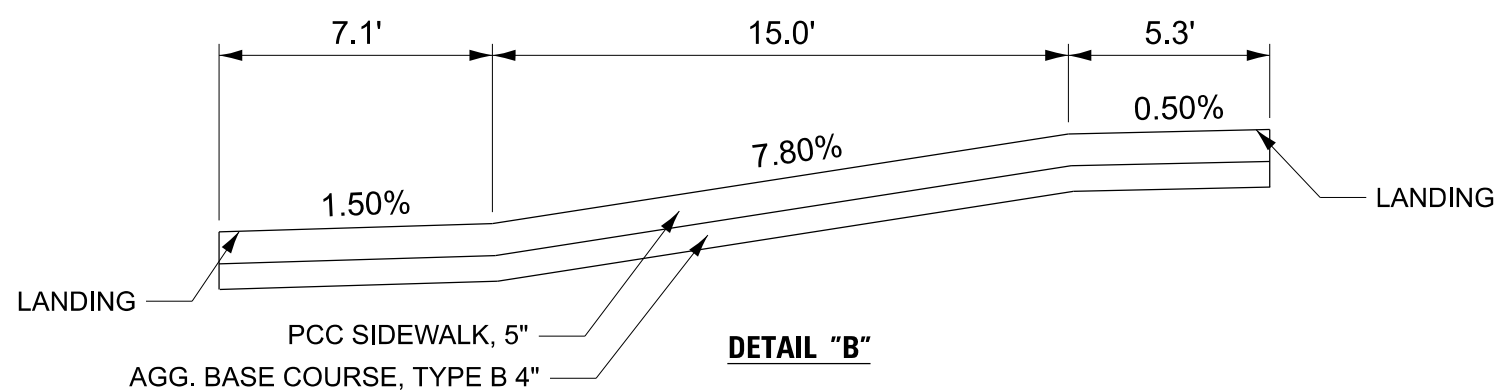
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FILE NAME: c:\pw_work\pwwork\qarumhd1022914D133020-shr-SOQ.dgn

SUMMARY OF QUANTITIES					TYPE CODE					
					URBAN	URBAN	URBAN	URBAN	URBAN	URBAN
					DESIGNED OVERLAY	TS IMPROV.	DESIGNED OVERLAY			
					80% FED 20% STATE	80% FED 20% STATE	100% STATE			
	0005	0021	0005							
CODE NO.	ITEM	UNIT	TOTAL QUANTITY							
20200100	EARTH EXCAVATION	CU YD	2705	2705						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	275	275						
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	825	825						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	550	550						
21400100	GRADING AND SHAPING DITCHES	FOOT	1050	1050						
25000100	SEEDING, CLASS 1	ACRE	0.25	0.25						
25100630	EROSION CONTROL BLANKET	SQ YD	13	13						
25200110	SODDING, SALT TOLERANT	SQ YD	550	550						
25200200	SUPPLEMENTAL WATERING	UNIT	2	2						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	5	5						
28000400	PERIMETER EROSION BARRIER	FOOT	90	90						
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	13	13						
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	275	275						
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	4675	4675						
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	55	55						
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	45315	45315						
40600370	LONGITUDINAL JOINT SEALANT	FOOT	30800	30800						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	100	100						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	440	440						
40602985	HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	TON	7520	7520						
40604172	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70	TON	6580	6580						
42001300	PROTECTIVE COAT	SQ YD	1235	1235						
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	500	500						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3235	3235						
USER NAME = Nedal.Qarut		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION						
		DRAWN -	REVISED -							
		CHECKED -	REVISED -							
PLOT DATE = 6/25/2025		DATE -	REVISED -							

A



DETAIL "A"



DETAIL "B"

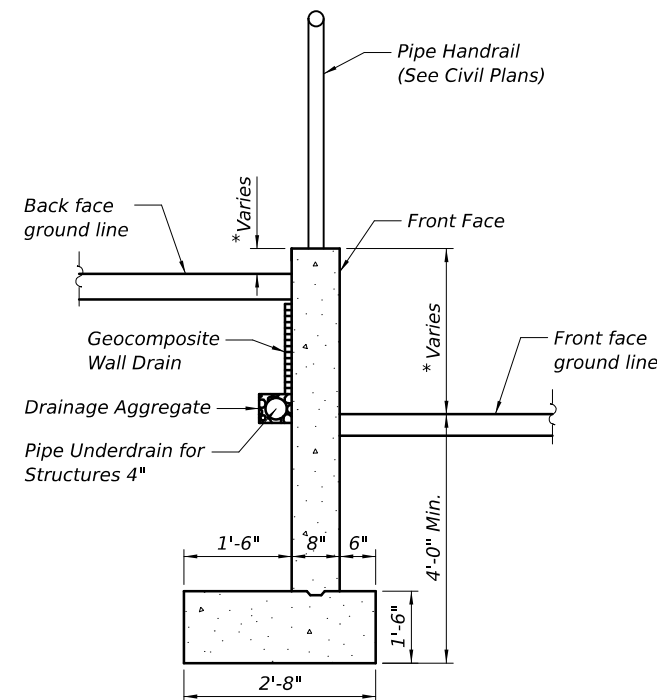
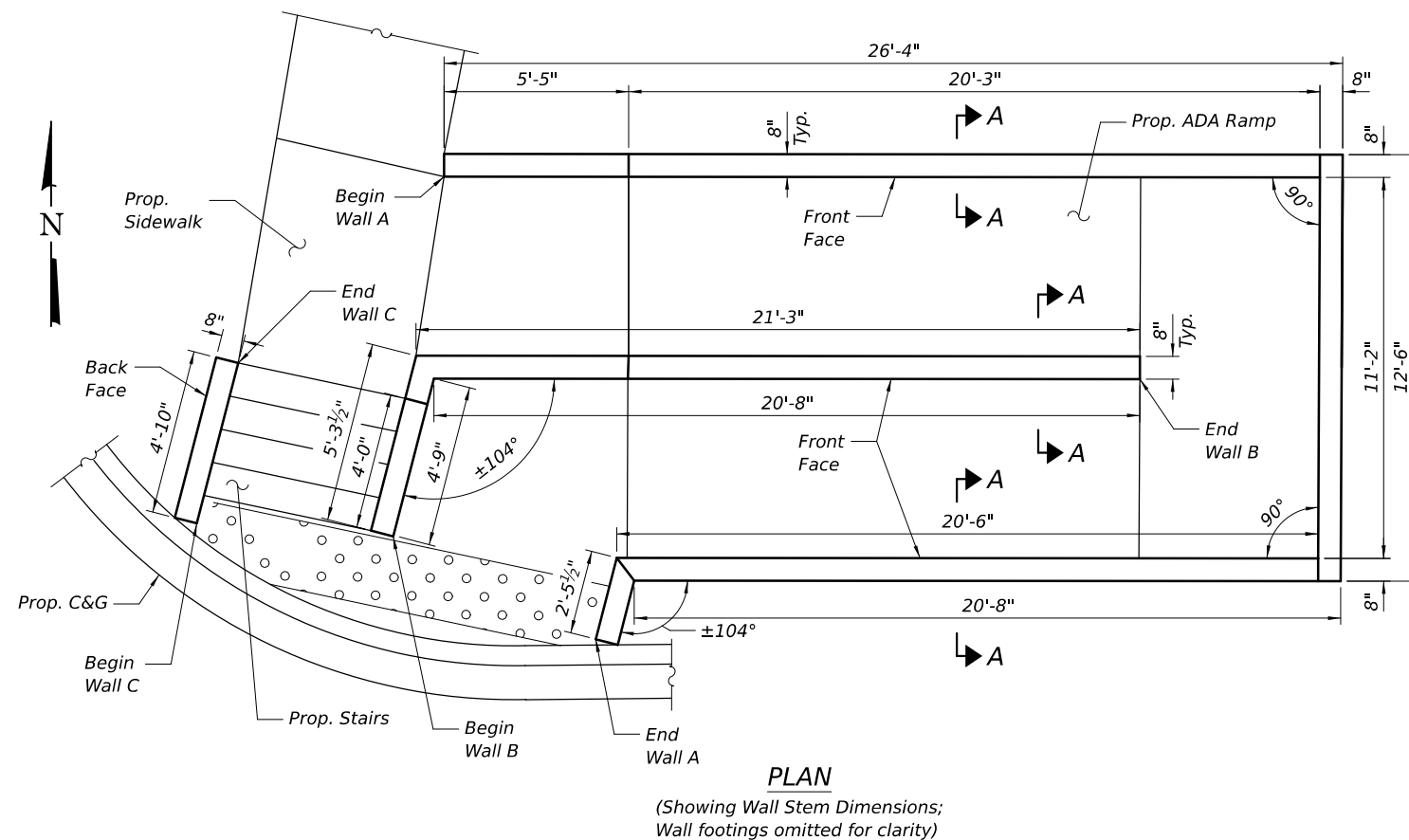
1 ADDED ENTIRE SHEET 9/10/2025

DESIGN SPECIFICATIONS2024 AASHTO LRFD Bridge Design
Specifications, 10th Edition**DESIGN STRESSES****FIELD UNITS** $f'_c = 3,500$ psi (Walls)
 $f_y = 60,000$ psi (Reinforcement)**LOADING**

120 psf Live Load Surcharge

INDEX OF SHEETS

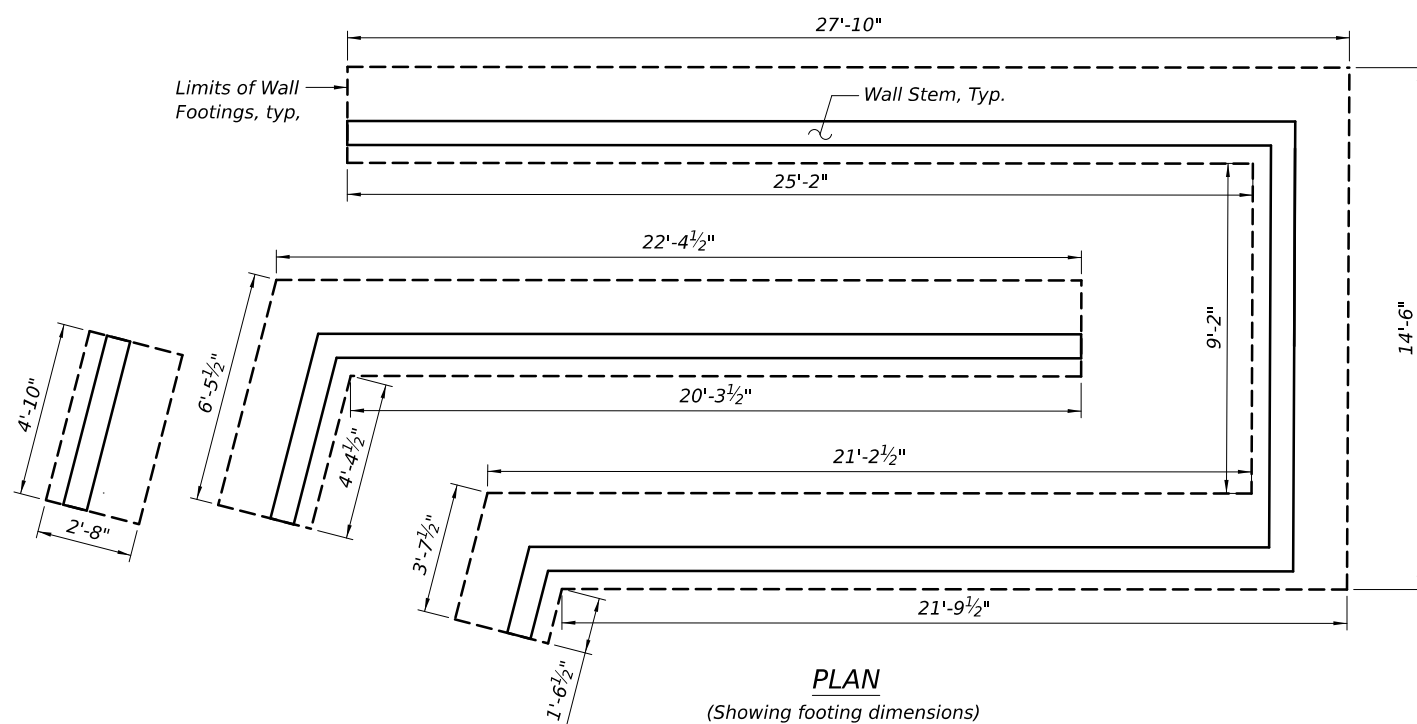
1. General Plan
2. Wall Details

**SECTION A-A*** See Civil Plans for ADA
grading elevations**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	138.0
Concrete Structures	Cu. Yd.	26.8
Form Liner Textured Surface	Sq. Ft.	195
Reinforcement Bars, Epoxy Coated	Pound	2780
Granular Backfill for Structures	Cu. Yd.	104.2
Geocomposite Wall Drain	Sq. Yd.	210
Pipe Underdrain for Structures 4"	Foot	85

GENERAL NOTES

1. Foundation is designed based on an unfactored soil bearing resistance of 1,500 psf. A Geotechnical Engineer will be required to verify actual bearing resistance. Documentation of findings shall be provided to the Engineer.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. Minimum concrete cover shall be 2 inches unless otherwise noted.
4. All exposed concrete edges shall have a 3/4" chamfer.
5. See Civil Plans for sidewalk, ADA, and pipe handrail details.

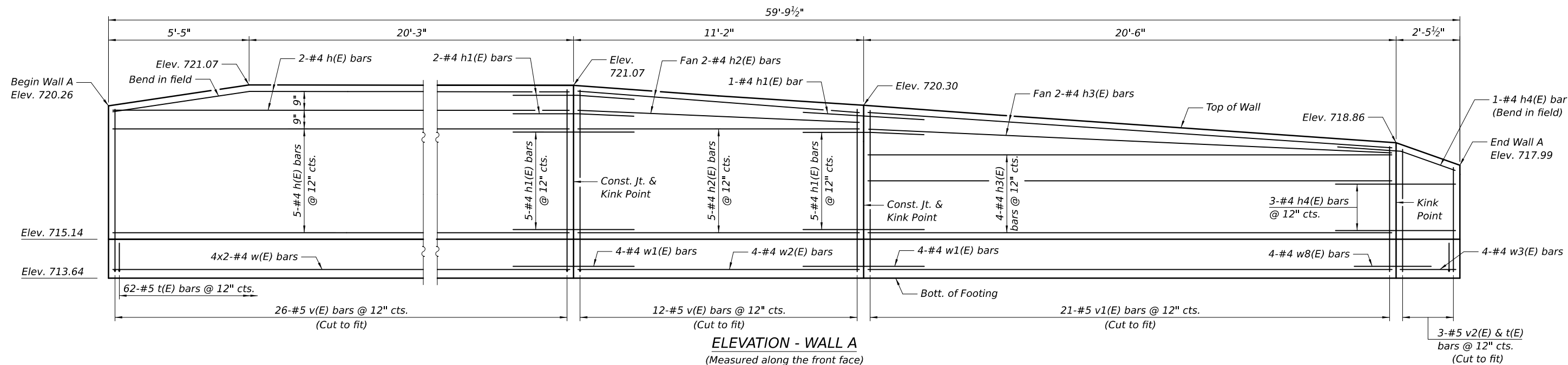


1 ADDED ENTIRE SHEET 9/10/2025

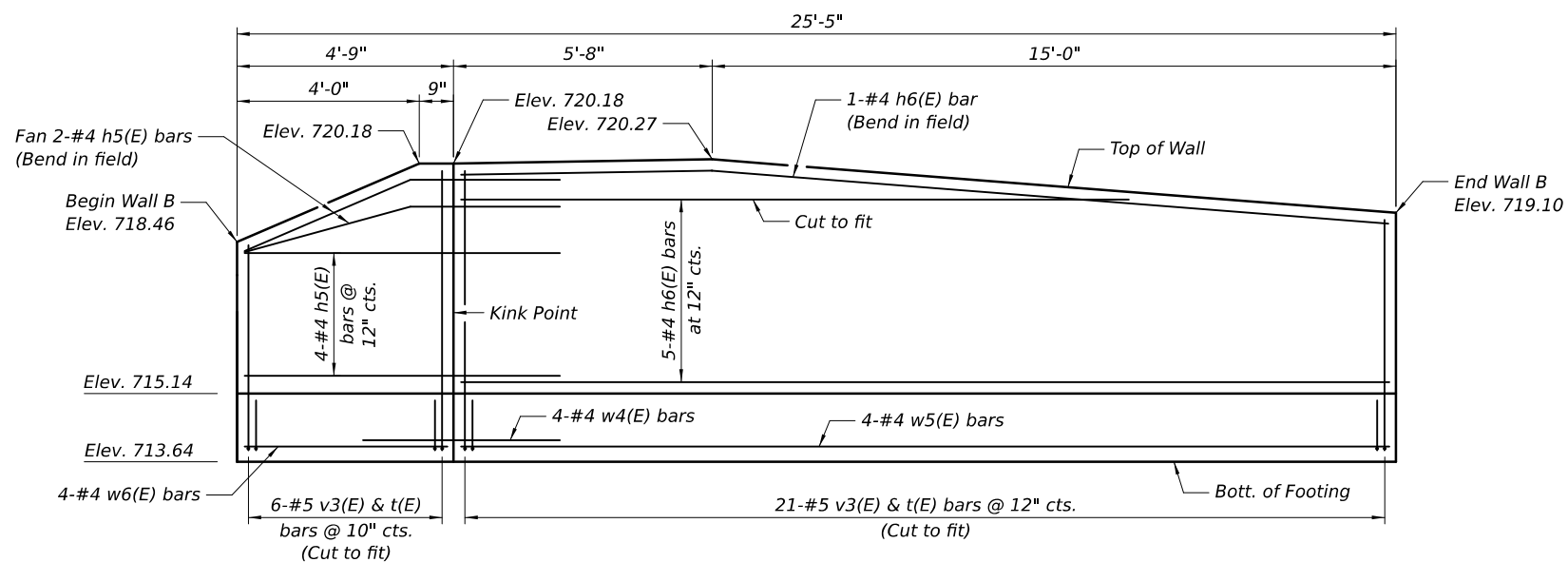
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATIONILLINOIS ROUTE 25 AT HAMMOND AVENUE
ADA RAMP SUPPORT WALLS - GENERAL PLAN

SHEET 1 OF 2 SHEETS

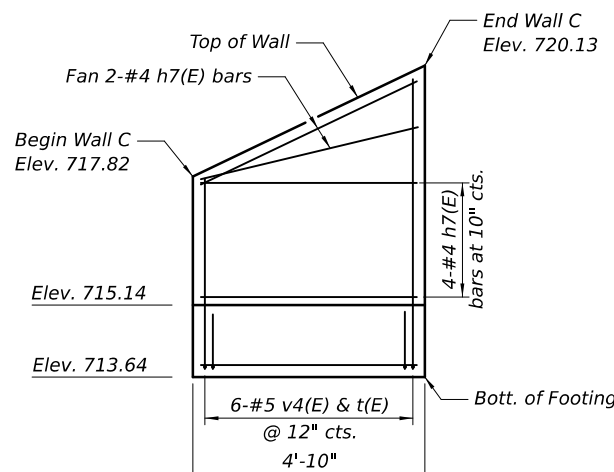
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
360	2020-007-RS&SW	KANE	83	34B
CONTRACT NO. 62K78				
ILLINOIS FED. AID PROJECT				



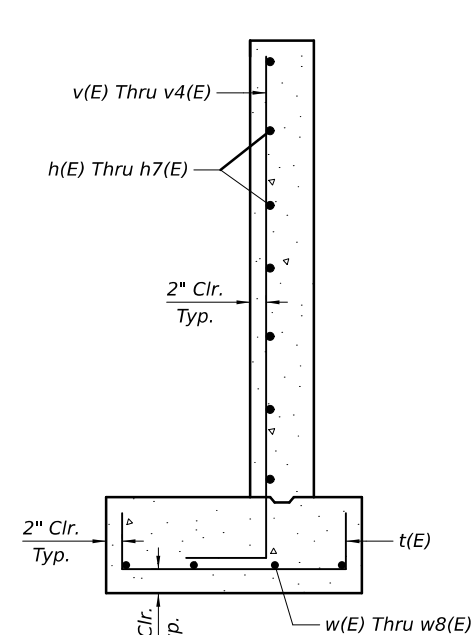
ELEVATION - WALL A
(Measured along the front face)



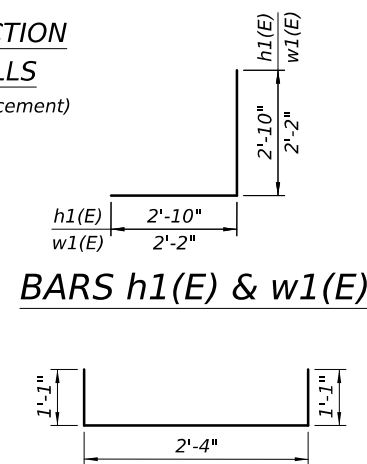
ELEVATION - WALL B
(Measured along the front face)



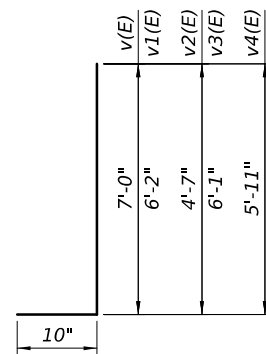
ELEVATION - WALL C
(Measured along the front face)



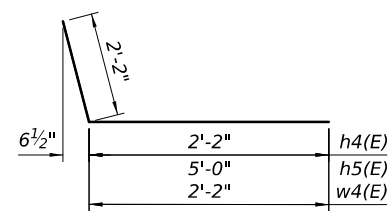
**TYPICAL SECTION
THRU WALLS**
(Showing Reinforcement)



BARS h1(E) & w1(E)



BARS v(E) THRU v4(E)



BARS h4(E), h5(E) & w4(E)

BAR t(E)

MIN. BAR LAP
#4 Bar = 2'-2"

BILL OF MATERIAL

(Walls A, B & C)

Bar	No.	Size	Length	Shape
h(E)	7	#4	25'-4"	
h1(E)	13	#4	5'-8"	L
h2(E)	7	#4	12'-2"	
h3(E)	6	#4	20'-2"	
h4(E)	4	#4	4'-4"	
h5(E)	6	#4	7'-7"	
h6(E)	6	#4	20'-10"	
h7(E)	6	#4	4'-6"	
t(E)	95	#5	4'-6"	
v(E)	38	#5	7'-10"	
v1(E)	21	#5	7'-0"	
v2(E)	3	#5	5'-5"	
v3(E)	27	#5	6'-11"	
v4(E)	6	#5	6'-9"	
w(E)	8	#4	14'-10"	
w1(E)	8	#4	4'-4"	L
w2(E)	4	#4	14'-2"	
w3(E)	4	#4	23'-6"	
w4(E)	8	#4	4'-4"	
w5(E)	4	#4	22'-0"	
w6(E)	4	#4	6'-1"	
w7(E)	4	#4	4'-6"	
w8(E)	4	#4	3'-3"	
Structure Excavation	Cu. Yd.	138.0		
Concrete Structures	Cu. Yd.	26.8		
Reinforcement Bars, Epoxy Coated	Pound	2780		

Bars indicated thus 4x2-#4 etc. indicates 4 lines of bars with 2 lengths per line.

1 ADDED ENTIRE SHEET 9/10/2025