

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	1
		ILLINOIS	CONTRACT NO. 68H85	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-5 SUMMARY OF QUANTITIES
- 6 SCHEDULE OF QUANTITIES
- 7 HORIZONTAL ALIGNMENT AND BENCHMARK DATA
- 8 TYPICAL SECTIONS
- 9 REMOVAL SHEET
- 10 PLAN AND PROFILE SHEET
- 11 TRAFFIC CONTROL PLAN
- 12-13 GUARDRAIL EROSION CONTROL TREATMENTS
- 14-15 WINGWALL REPAIRS
- 16-19 CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	701321-18	782006-01
280001-07	701901-09	701201-05
630001-13	704001-08	701001-02
630301-09	780001-05	701006-05

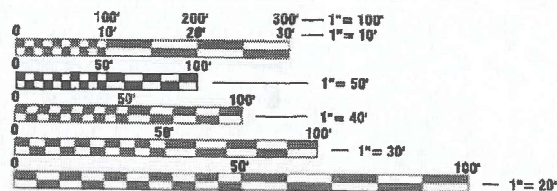
DESIGN DESIGNATION

IL 78: MINOR ARTERIAL

ADT: 1750 (2021)

SU: 40

MU: 40



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

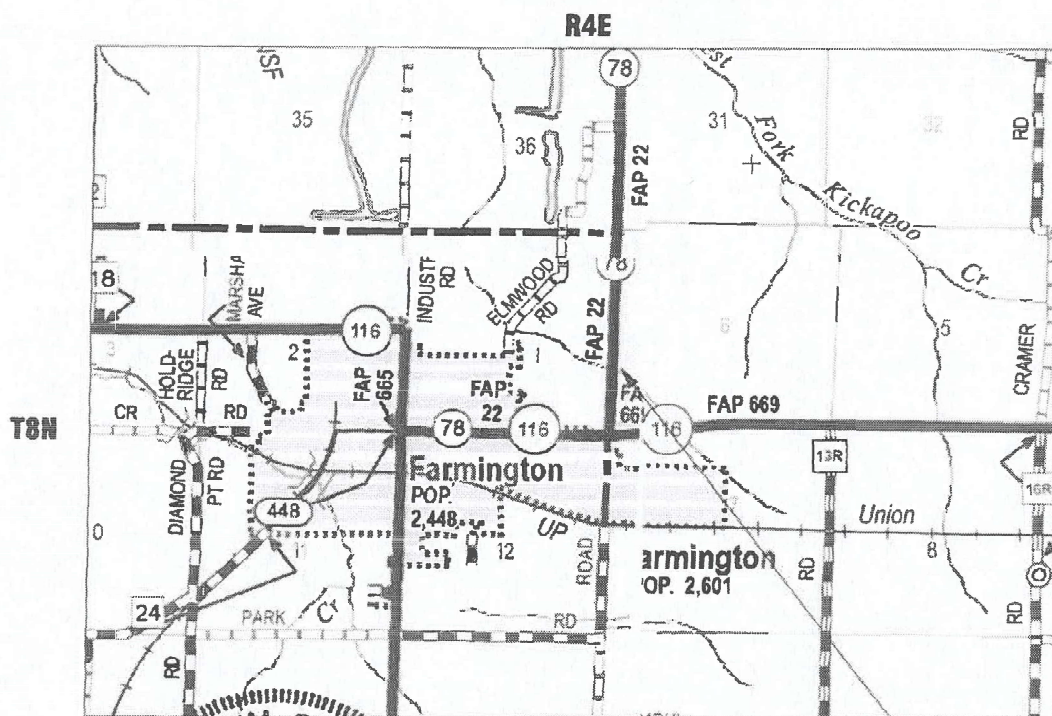
PROJECT ENGINEER: BEN TELLEFSON
PROJECT MANAGER: WILL MOSER

CATALOG NO. 036451-00D
CONTRACT NO. 68H85

PROPOSED
HIGHWAY PLANS

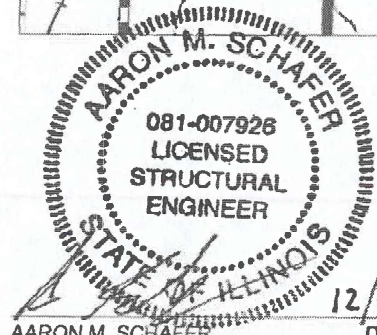
FAP ROUTE 22 (IL 78)
SECTION 48-CLV-1
WINGWALL AND SHOULDER REPAIRS
PEORIA COUNTY

C-94-004-24



GROSS LENGTH = 680.5 FT. = 0.13 MILE
NET LENGTH = 680.5 FT. = 0.13 MILE

LOCATION OF IMPROVEMENT



AARON M. SCHAEFER
REGISTERED STRUCTURAL ENGINEER
STATE OF ILLINOIS NO. 081-007926
LICENSE EXPIRES NOVEMBER 30, 2024

12/4/2023
DATE



PROJECT DESCRIPTION:
CULVERT WINGWALL REPLACEMENT
AND SHOULDER REPAIRS

CULVERT ID: 072S078m000.300

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 2, 2024
Ben Tellefson REGIONAL ENGINEER

March 22, 2024
Sub E.A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

March 22, 2024
Steph M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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KLINGNER
& ASSOCIATES, P.C.
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Quincy, IL Hannibal, MO
Burlington, IA Peoria, IA Columbia, MO
Davenport, IA Carbondale, IL
DESIGN FIRM NO. 184-2738

RATES OF APPLICATION TABLE

AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)	1.60 TON / CU YD
SEEDING:	
NITROGEN FERTILIZER NUTRIENT	90 LBS / ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS / ACRE
AGRICULTURAL GROUND LIMESTONE	2.0 TON / ACRE
MULCH, METHOD 2	2.0 TON / ACRE

GENERAL NOTES

1. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
2. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
3. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
4. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
5. ANY EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
6. SHOULD THE CONTRACTOR REQUEST OLD/EXISTING STRUCTURE PLANS, THEY CAN CONTACT THE PROJECT ENGINEER OR TEAM ENGINEER AS SHOWN ON THE COVER SHEET.
7. SAW CUTS REQUIRED FOR REMOVAL ITEMS WILL NOT BE PAID FOR SEPARATELY. THE COST OF THE SAW CUTS WILL BE INCLUDED IN THE RESPECTIVE REMOVAL PAY ITEM.
8. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	HMA SURF CSE SHOULDERS TOP LIFT	BASE COURSE WIDENING PATCHING SHOULDERS LOWER LIFTS
MIXTURE USE(S):		
AC/PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN=50	4.0% @ N DESIGN=50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICITION AGGREGATE	MIX "D"	N/A
QUALITY	QA/QC	QA/QC
SUB-LOT SIZE	N/A	N/A

COMMITMENTS

NO COMMITMENTS HAVE BEEN MADE FOR THIS PROJECT.

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PLOT DATE = 12/4/2023	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 22 (IL 78)
GENERAL NOTES**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	2
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE CONSTRUCTION CODE							
				PEORIA COUNTY							
				ROADWAY							
				0005							
RURAL											
20200100	EARTH EXCAVATION	CU YD	190	190							
25000200	SEEDING, CLASS 2	ACRE	0.25	0.25							
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23	23							
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23	23							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23	23							
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1	1							
25100115	MULCH, METHOD 2	ACRE	0.25	0.25							
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	150	150							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50	50							
28000400	PERIMETER EROSION BARRIER	FOOT	685	685							
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	97	97							
44004250	PAVED SHOULDER REMOVAL	SQ YD	312	312							
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	454	454							
50102400	CONCRETE REMOVAL	CU YD	17.4	17.4							



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 22 (IL 78)
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	3
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE		CONSTRUCTION CODE					
				PEORIA COUNTY							
				ROADWAY							
				0005							
				RURAL							
52200015	PERMANENT SHEET PILING	SQ FT	360	360							
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	512.5	512.5							
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2							
63200310	GUARDRAIL REMOVAL	FOOT	600	600							
67100100	MOBILIZATION	L SUM	1	1							
70100405	TRAFFIC CONTROL AND PROTECTION STANDARD 701321	EACH	1	1							
70100450	TRAFFIC CONTROL AND PROTECTION STANDARD 701201	L SUM	1	1							
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1							
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6							
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14							
70300100	SHORT TERM PAVEMENT MARKING	FOOT	150	150							
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	50	50							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	887.5	887.5							
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2							

*= SPECIALTY ITEM



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 22 (IL 78)
SUMMARY OF QUANTITIES**

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	4
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	100% STATE		CONSTRUCTION CODE						
				PEORIA COUNTY								
				ROADWAY								
				0005								
				RURAL								
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2								
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	2,115	2,115								
* 78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	44	44								
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	598	598								
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	65	65								

* = SPECIALTY ITEM

KLINGNER & ASSOCIATES, P.C.
 Engineers - Architects - Surveyors
 Galesburg, Illinois

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PLOT DATE = 12/4/2023	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

FAP 22 (IL 78) SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET 3	OF 3 SHEETS	STA. TO STA.

F.A.P. RTE. 22	SECTION 48-CLV-1	COUNTY PEORIA	TOTAL SHEETS 19	SHEET NO. 5
CONTRACT NO. 68H85				
ILLINOIS		FED. AID PROJECT		

EARTH EXCAVATION SCHEDULE

LOCATION STATION TO STATION	SIDE	20200100 EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED (25%)	EMBANKMENT	EARTHWORK BALANCE	
						CU YD
IL 78						
13+66.00	20+46.50	RT	190	145	30	115
TOTALS			190	145	30	115
USE			190	145	30	115

GUARDRAIL SCHEDULE

STATION TO STATION	SIDE	63000003	63100167	78200006	72501000	
		SPBGR TYPE A 9' POSTS	TRAF BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	GUARDRAIL REFLECTORS TYPE B	TERMINAL MARKERS DIRECT APPLIED	
		FOOT	EACH			
IL 78						
14+00.00	20+12.50	RT	512.5	2	7	2
STAGE 1 CONSTRUCTION		LT			37	
TOTALS			512.5	2	44	2

SEEDING SCHEDULE

STATION TO STATION	SIDE	WIDTH	SEEDING, CLASS 2 ACRE	FERTILIZER NUTRIENTS			MULCH METHOD 2 ACRE	AGRICULTURAL LIMESTONE TON	
				NITROGEN	PHOSPHORUS	POTASSIUM			
				POUND					
IL 78									
13+66.00	20+46.50	RT	VARIES	0.1	8.0	8.0	8.0	0.1	0.2
TOTALS			0.1	8.0	8.0	8.0	0.1	0.2	
USE			0.25	23	23	23	0.25	1	

GUARDRAIL REMOVAL

STATION TO STATION	SIDE	FOOT	
IL 78			
13+70.0	19+70.0	RT	600
TOTAL		600	
USE		600	

PAINT PAVEMENT MARKING - LINE 5"

STATION TO STATION	SIDE	DESCRIPTION	78001120	YELLOW	WHITE
			FOOT		
IL 78					
11+37.0	22+81.5	CL	SOLID LINE	1144.5	
11+37.0	22+81.5	CL	DASHED LINE	290.0	
13+66.0	20+46.5	RT	RIGHT - EOP		680.5
TOTAL				1434.5	680.5
USE					2115

EROSION CONTROL SCHEDULE

NUMBER	ITEM	UNIT	TOTAL
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50
28000400	PERIMETER EROSION BARRIER	FOOT	685
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	150

THIS SCHEDULE INCLUDES ESTIMATED QUANTITIES. THEY MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THESE ESTIMATED QUANTITIES SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

TRAFFIC CONTROL AND PROTECTION

LOCATION	70400100	70600250	70106700	
	TEMP CONCRETE BARRIER	IMPACT ATTENUATORS TEMP NRN, TL3	TEMP RUMBLE STRIPS	
	FOOT	EACH	EACH	
IL 78				
12+41.5	21+23.0	887.5	2	6
TOTALS		887.5	2	6

PAVEMENT MARKING REMOVAL - WATER BLASTING

STATION TO STATION	SIDE	DESCRIPTION	78300202 SQ FT	
IL 78				
11+37.0	22+81.5	CL	SOLID LINE	476.9
11+37.0	22+81.5	CL	DASHED LINE	120.8
TOTAL			597.7	
USE			598	

SUBBASE GRANULAR MATERIAL, TYPE B

STATION TO STATION	SIDE	WIDTH	TON	
IL 78				
13+66.0	20+46.5	RT	7.17	96.4
TOTAL			96.4	
USE			97	

SHORT TERM PAVEMENT MARKING

STATION TO STATION	70300100	70300150	
	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	
	FEET	SQ FT	
IL 78			
11+47.0	22+21.5	150	50
TOTAL		150	50
USE		150	50

GUARDRAIL AGGREGATE EROSION CONTROL

STATION TO STATION	SIDE	SURFACE WIDTH	TON	
IL 78				
13+66.0	20+46.5	RT	2	65.0
TOTAL			65.0	
USE			65	

PAVED SHOULDER REMOVAL

STATION TO STATION	SIDE	WIDTH	SQ YD	
IL 78				
13+66.0	20+46.5	RT	VARIES	311.7
TOTAL			311.7	
USE			312	

HOT-MIX ASPHALT SHOULDERS, 8"

STATION TO STATION	SIDE	SURFACE WIDTH	SQ YD	
IL 78				
13+66.0	20+46.5	RT	6	453.7
TOTAL			453.7	
USE			454	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 22 (IL 78)
SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	6
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				

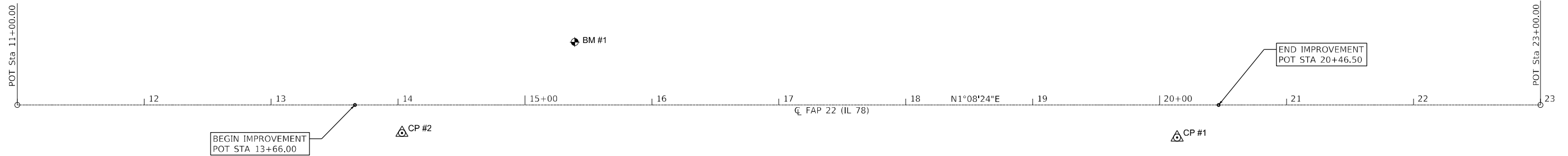
ALIGNMENT COORDINATES - FAP 22 (IL 78)			
	STATION	N	E
POT	11+00.00	1,469,224.1963	2,346,560.8386
POT	13+66.00	1,469,490.1437	2,346,566.1303
POT	20+46.50	1,470,170.5112	2,346,579.6680
POT	23+00.00	1,470,423.9588	2,346,584.7110

* COORDINATES ARE NAD83/2011ADJ

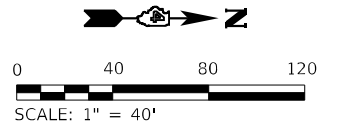
CONTROL POINT COORDINATES - FAP 22 (IL 78)			
CONTROL PT #	N	E	ELEV.
1	1,470,137.2830	2,346,604.5930	741.55
2	1,469,526.7660	2,346,588.8600	743.32

BENCHMARKS

BM #1: 60d NAIL IN 12" Ø LOCUST TREE, ELEV. 744.09, STA. 15+39.23, 49.45' LT



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 309.343.4444

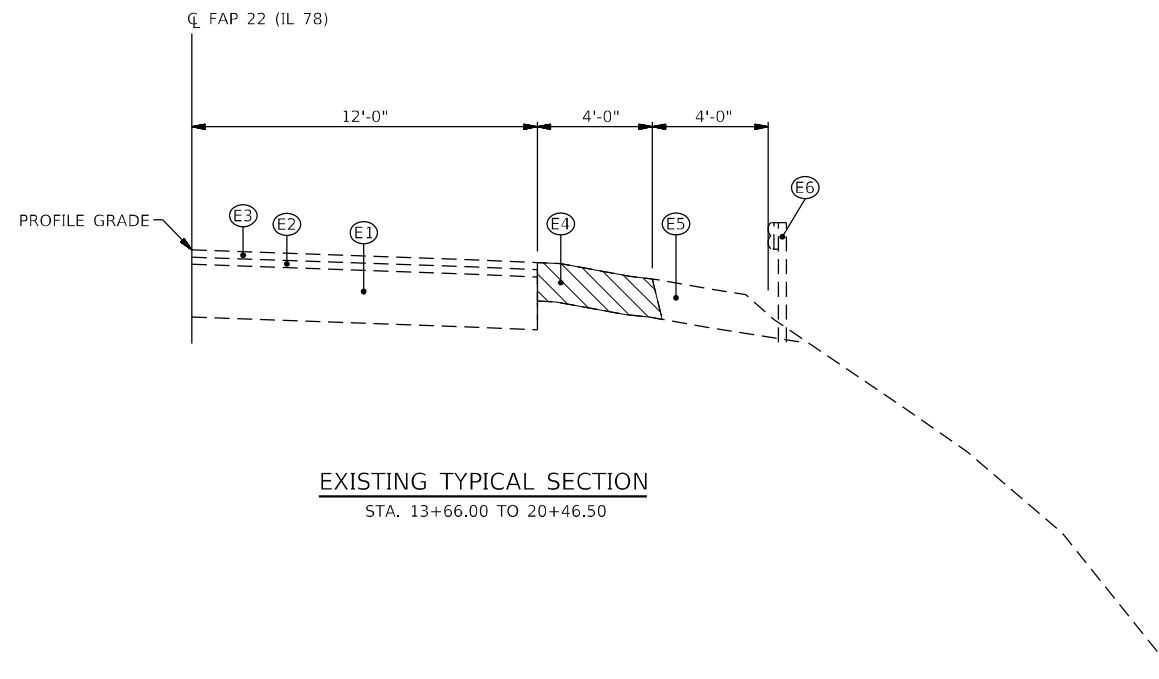
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PLOT DATE = 12/4/2023		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

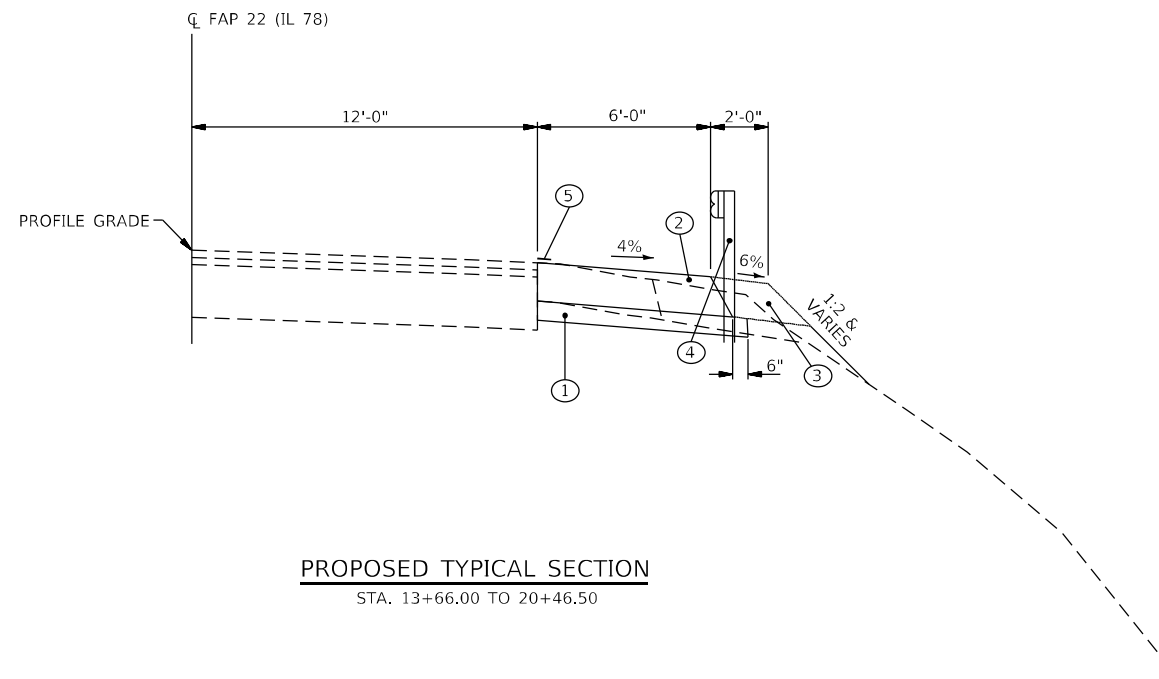
**FAP 22 (IL 78)
HORIZONTAL ALIGNMENT AND BENCHMARK DATA**

SCALE: 1"=40' SHEET 1 OF 1 SHEETS STA. 11+00.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	7
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
STA. 13+66.00 TO 20+46.50



PROPOSED TYPICAL SECTION
STA. 13+66.00 TO 20+46.50

LEGEND

- Ⓔ1 EXISTING BITUMINOUS BASE COURSE, 11"
- Ⓔ2 EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1 1/2"
- Ⓔ3 EXISTING BITUMINOUS CONCRETE SURFACE COURSE, 1 1/2"
- Ⓔ4 EXISTING HMA SHOULDER, 8"
- Ⓔ5 EXISTING AGG. SHOULDER
- Ⓔ6 EXISTING GUARDRAIL
- ① PROPOSED SUBBASE GRANULAR MATERIAL, TYPE B, 4"
- ② PROPOSED HMA SHOULDERS, 8"
- ③ PROPOSED GUARDRAIL AGGREGATE EROSION CONTROL
- ④ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- ⑤ PROPOSED PAVEMENT MARKING - LINE 5", WHITE
- ▨ ITEMS TO BE REMOVED

GUARDRAIL NOTES:

PROPOSED GUARDRAIL FROM STATION 14+00.00 TO STATION 20+12.50 RT

MODEL: Default
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PLOT DATE = 12/4/2023		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 22 (IL78)
TYPICAL SECTIONS**

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

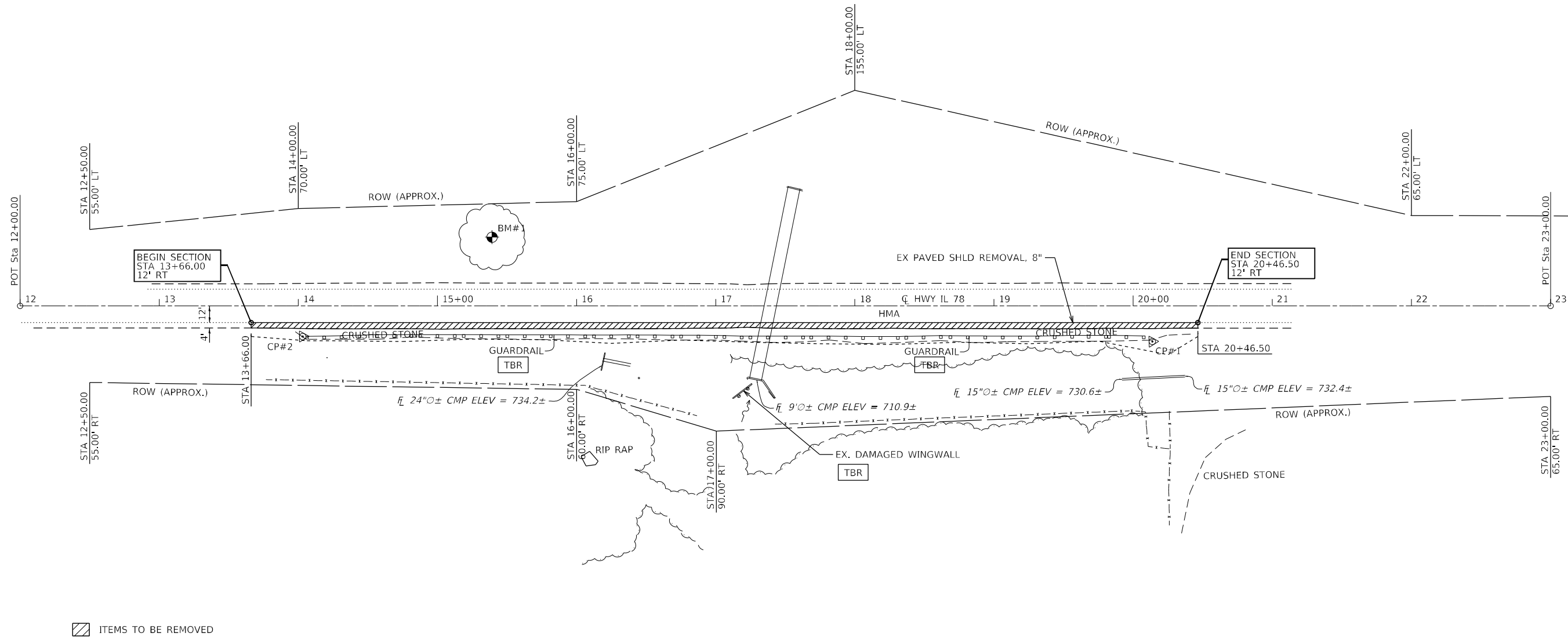
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22	48-CLV-1	PEORIA	19	8
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				

BENCHMARKS

BM #1: 60d NAIL IN 12" Ø LOCUST TREE, ELEV. 744.09, STA. 15+39.23, 49.45' LT

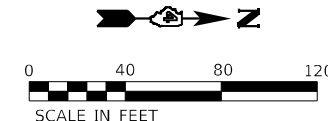
SE 1/4, SEC 1, T 8 N, R 4 E, 4th PM, FULTON

1 STA 17+40.00 11° SKEW
EX. 10' DIA. CORRUGATED
STEEL PLATE CULVERT



▨ ITEMS TO BE REMOVED

SW 1/4, SEC 6, T 8 N, R 5 E, 4th PM, PEORIA



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KLINGNER & ASSOCIATES, P.C.
Engineers • Architects • Surveyors
Galesburg, Illinois

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 22 (IL 78)
REMOVAL SHEET**

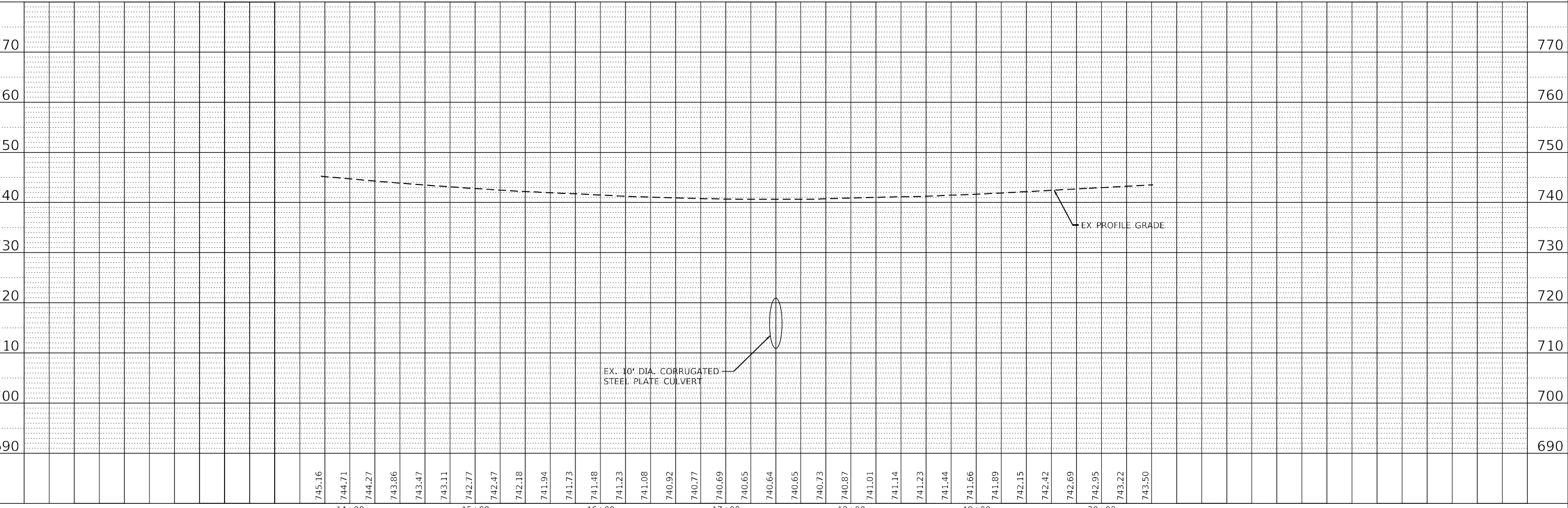
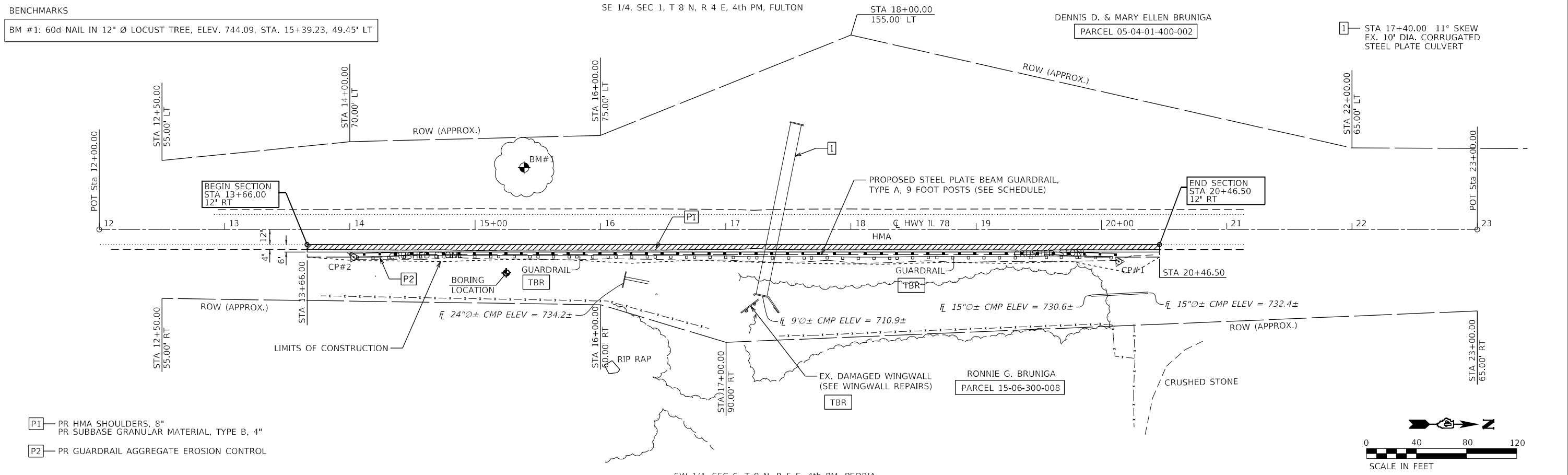
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	9
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED CHECKED	
	CADD FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	

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KLINGNER & ASSOCIATES, P.C.
 Engineers • Architects • Surveyors
616 N. 24TH ST., QUINCY, ILLINOIS 62301 217-223-8670
 STATE OF ILLINOIS DESIGN FIRM NO. 164-2738

USER NAME = rbailey
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

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









STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 22 (IL 78)
PLAN AND PROFILE SHEET

F.A.P. RTE. 22
 SECTION 48-CLV-1
 COUNTY -
 TOTAL SHEETS 19
 SHEET NO. 10
 CONTRACT NO. 68H85

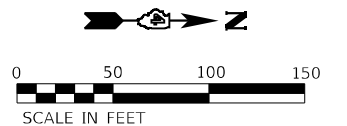
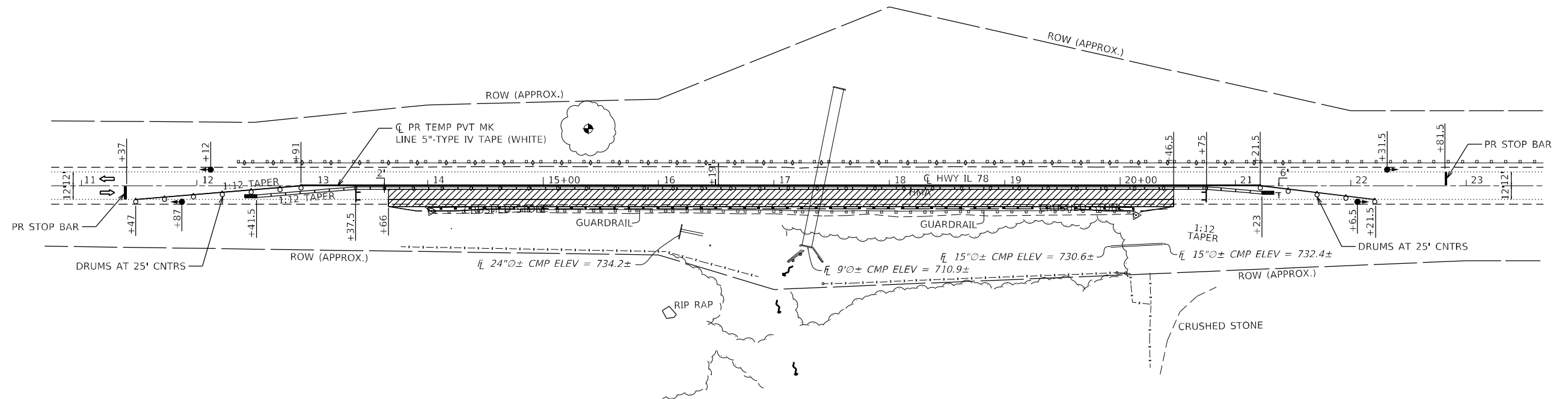
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 SHEET 1 OF 1 SHEETS
 STA. 12+00.00 TO STA. 23+00.00
 ILLINOIS FED. AID PROJECT

LEGEND

-  DIRECTION OF TRAFFIC
-  TYPE III BARRICADE
-  TEMPORARY CONCRETE BARRIER
-  DRUM WITH BI-DIRECTIONAL STEADY BURNING LIGHT
-  TEMPORARY TRAFFIC SIGNAL
-  TEMPORARY IMPACT ATTENUATOR
-  BIDIRECTIONAL REFLECTORS
-  WORK ZONE

GENERAL NOTES

- THIS WORK SHALL SUPPLEMENT AND BE IN ACCORDANCE WITH HIGHWAY STANDARD 701321.
- FOR DIMENSIONS AND SPACING, SEE HIGHWAY STANDARD 701321.
- REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
- TRAFFIC CONTROL MAY BE ADJUSTED DUE TO FIELD CONDITIONS OR APPROVED BY ENGINEER.



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KLINGNER & ASSOCIATES, P.C.
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 Galesburg, Illinois
 49 North Park Street
 Galesburg, IL 62541

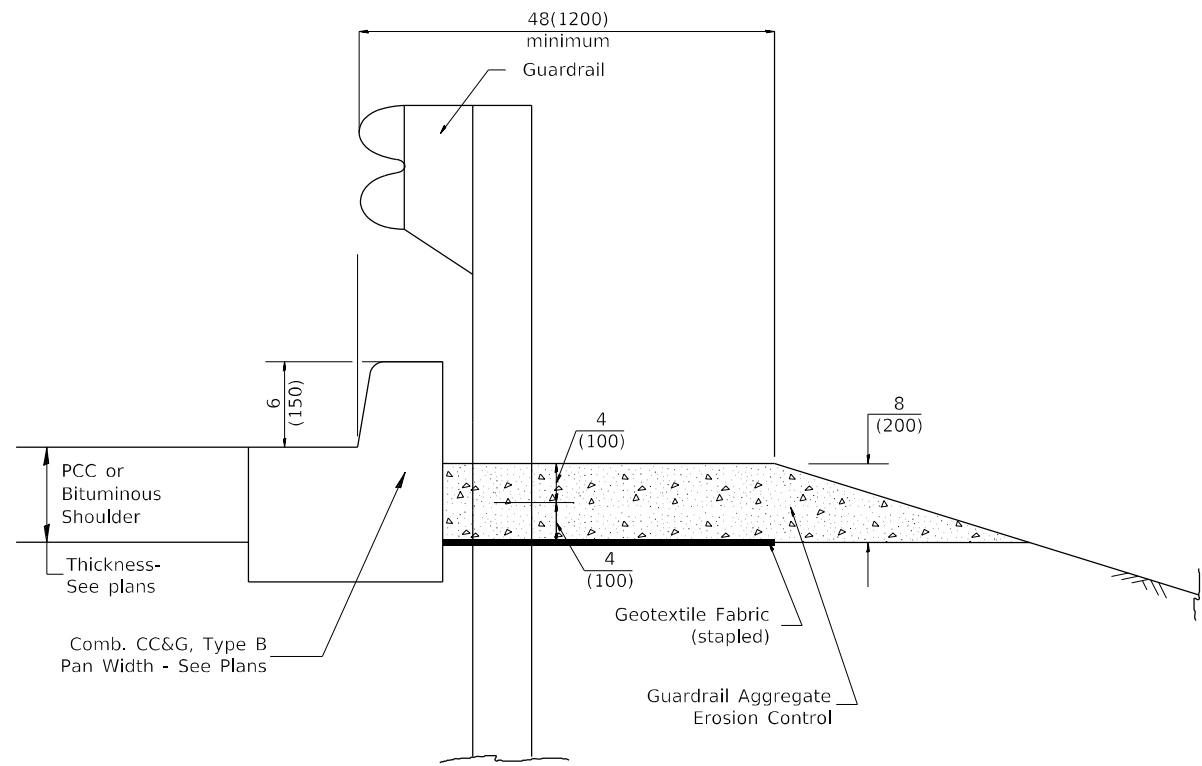
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

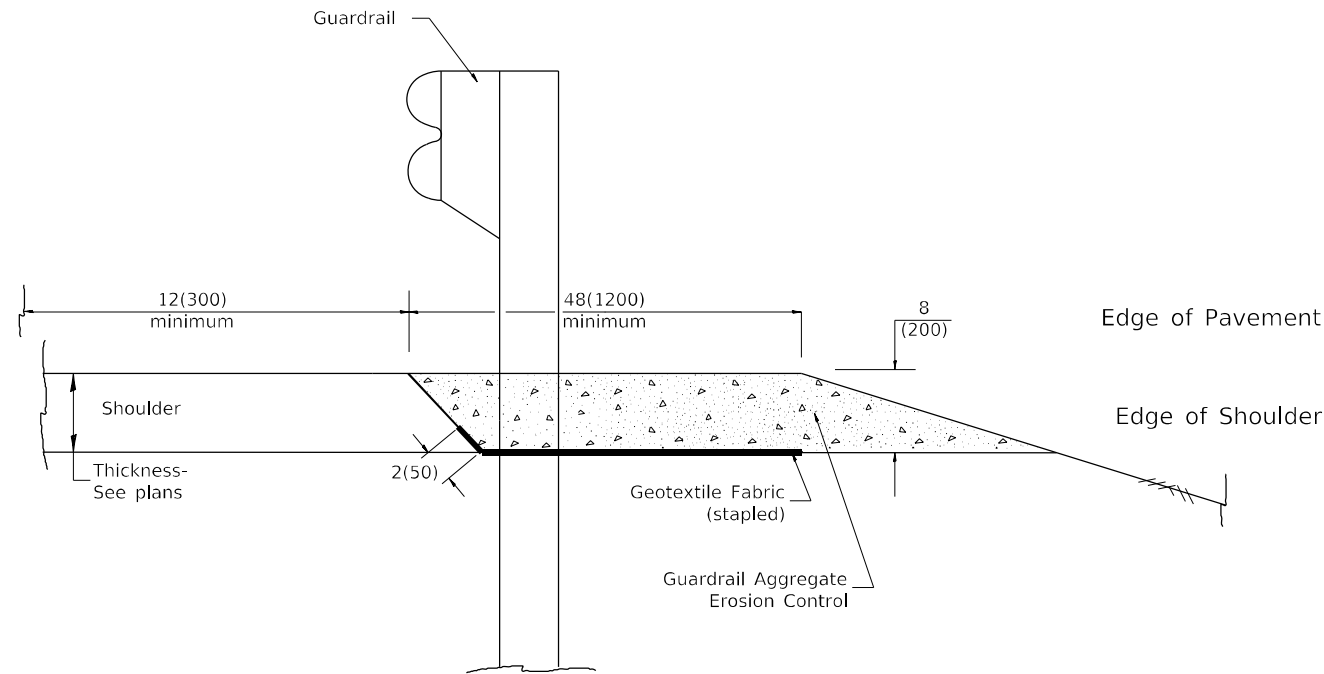
**FAP 22 (IL 78)
TRAFFIC CONTROL PLAN**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 11+00.00 TO STA. 23+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	11
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				



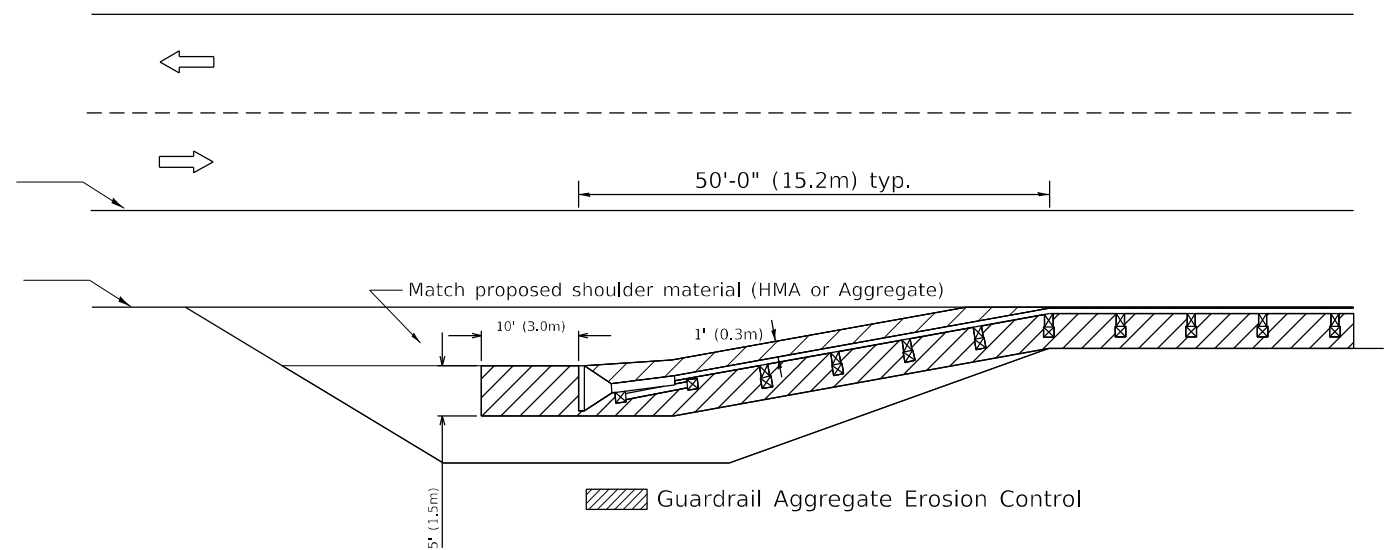
TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
 - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
 - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



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

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KLINGNER & ASSOCIATES, P.C.
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 49 North Park Street
 Galesburg, IL 62541

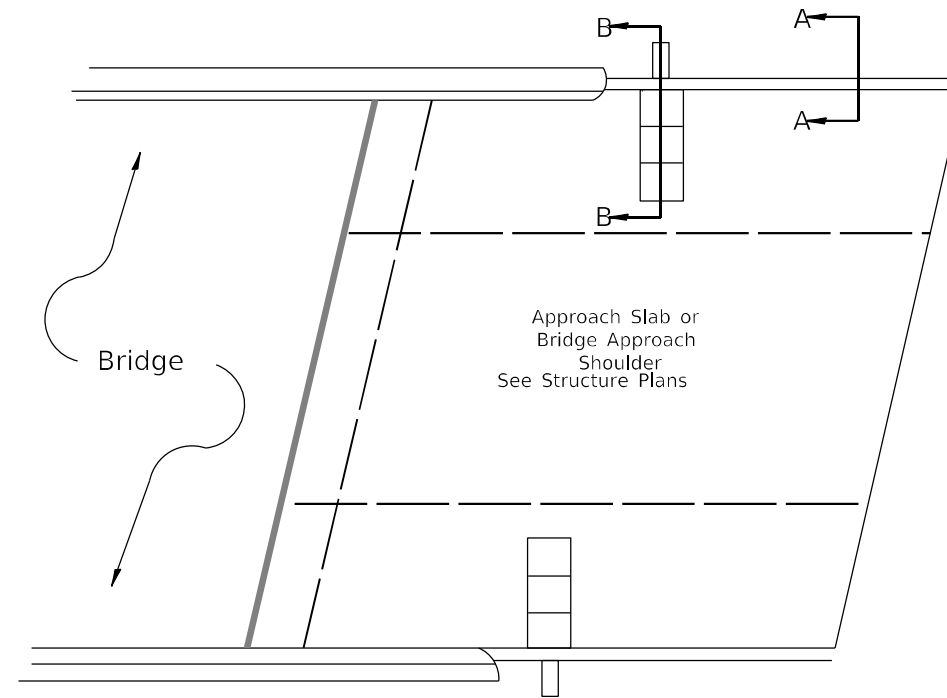
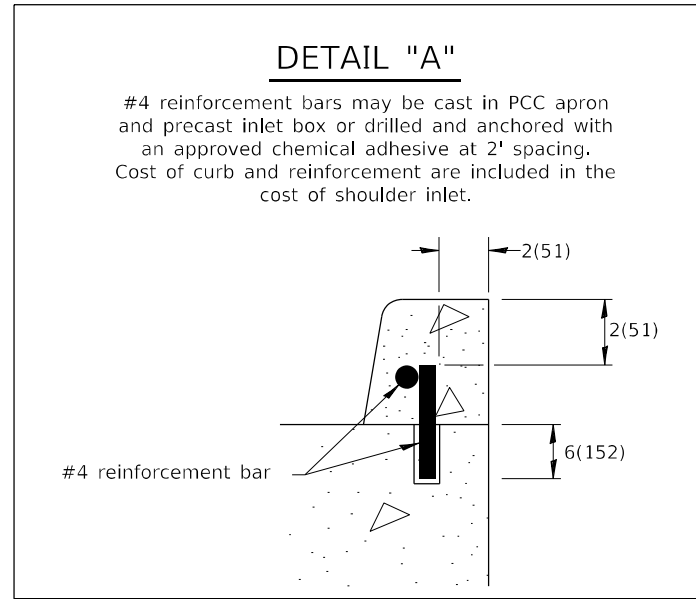
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

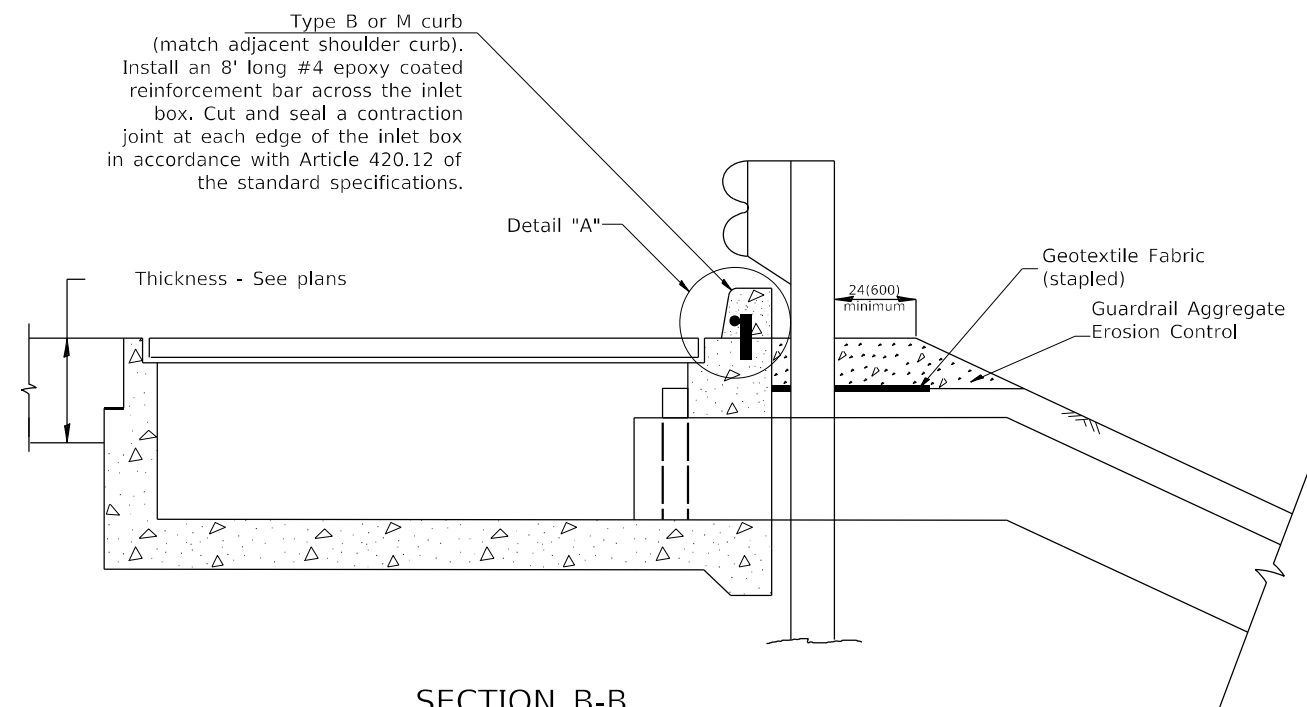
FAP 22 (IL 78)
 WINGWALL REPAIRS

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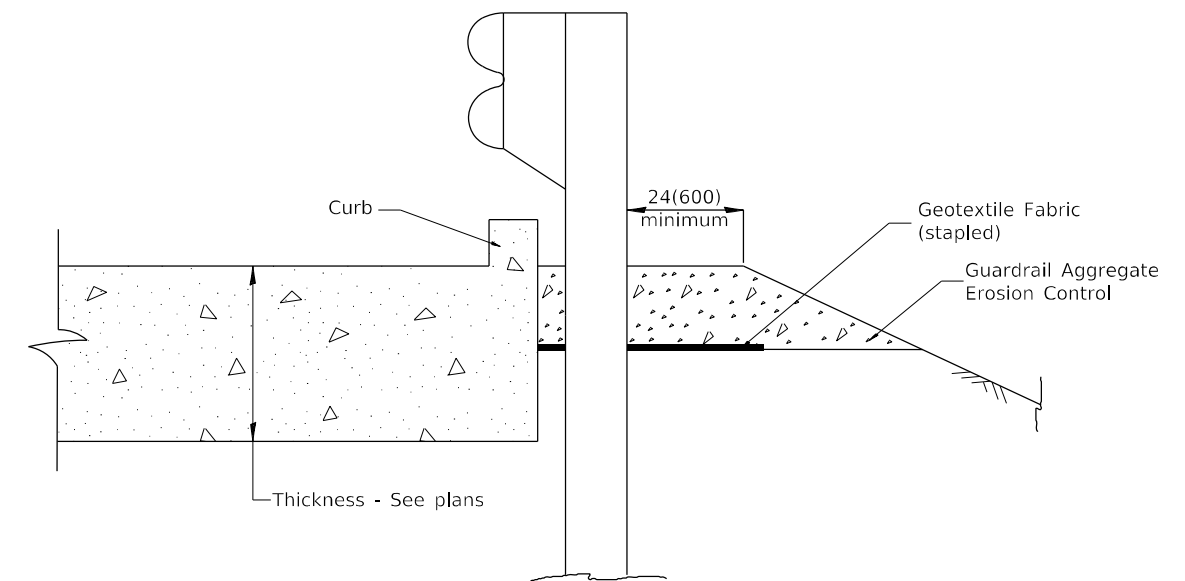
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	12
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				



PLAN VIEW
APPROACH SLAB OR SHOULDER PLACEMENT



SECTION B-B
TYPICAL SECTION AT INLETS
TYPE E, F & G (HIGHWAY STANDARD 610001)



SECTION A-A
TYPICAL SECTION WITH BRIDGE APPROACH CURB

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

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KLINGNER & ASSOCIATES, P.C.
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Galesburg, Illinois
49 North Park Street
Galesburg, IL 62541

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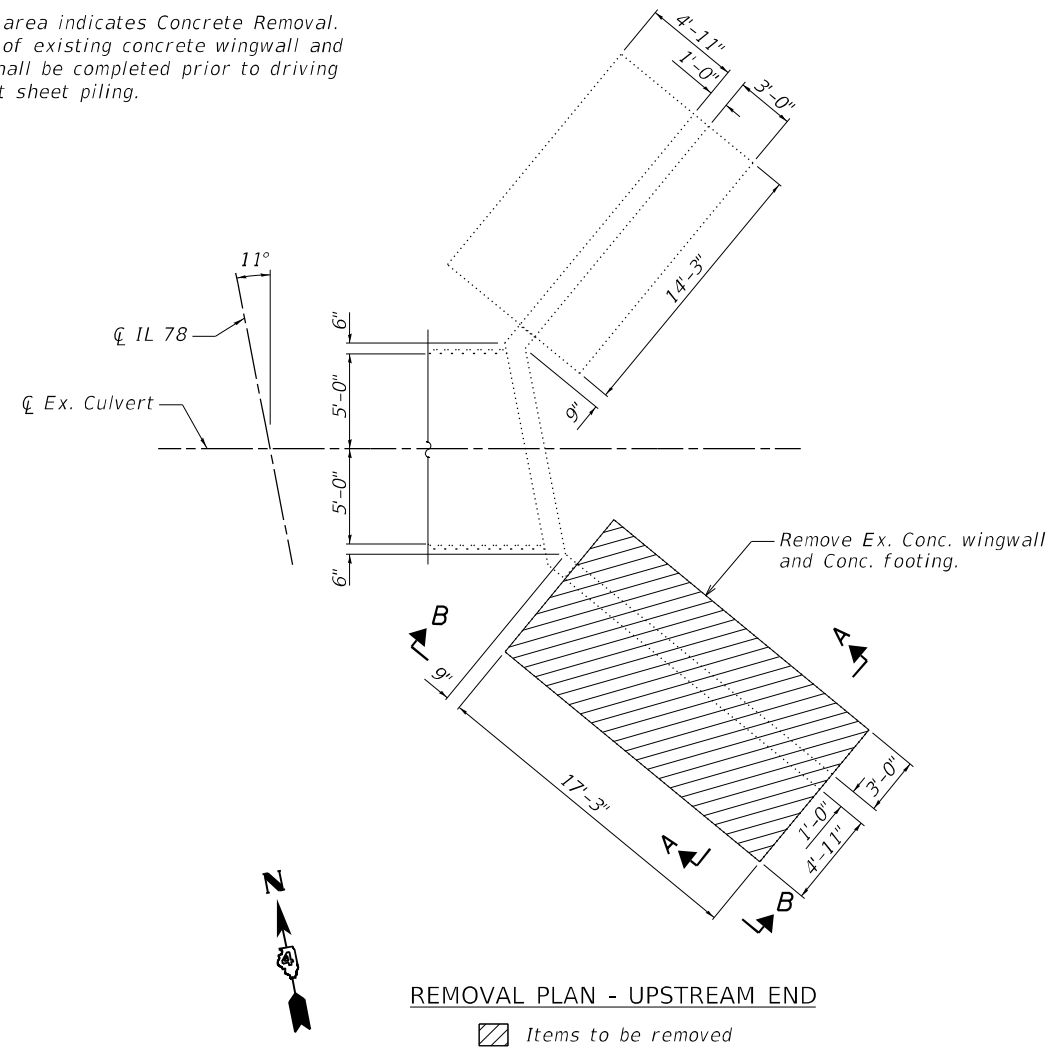
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 22 (IL 78)
WINGWALL REPAIRS

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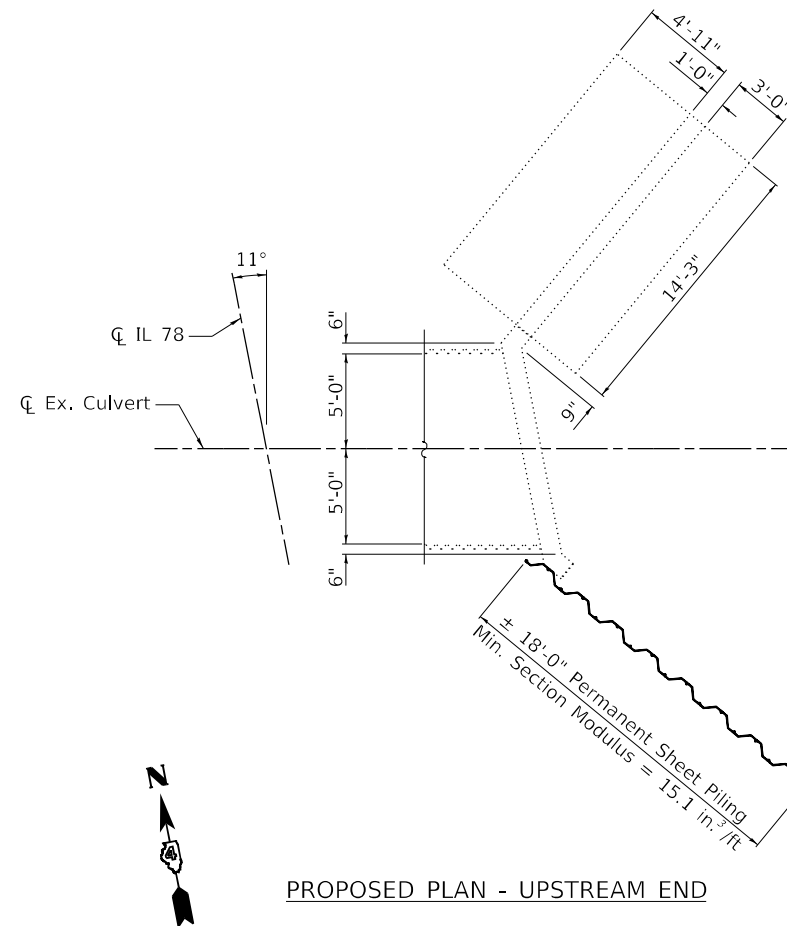
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22	48-CLV-1	PEORIA	19	13
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				

Notes:
 Hatched area indicates Concrete Removal.
 Removal of existing concrete wingwall and footing shall be completed prior to driving permanent sheet piling.

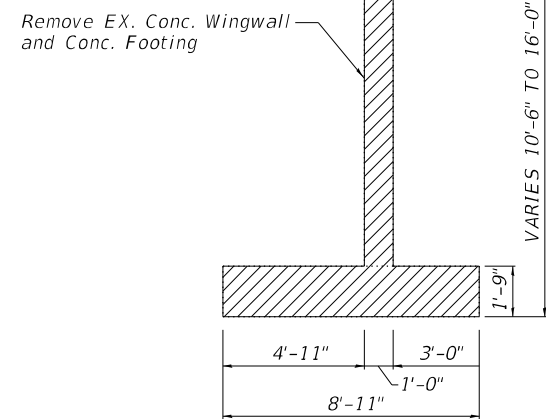


REMOVAL PLAN - UPSTREAM END

▨ Items to be removed

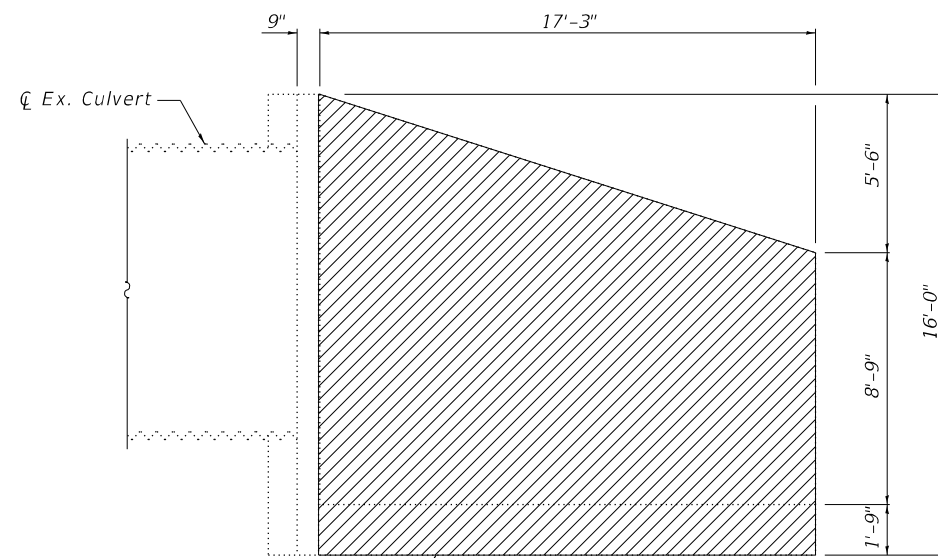


PROPOSED PLAN - UPSTREAM END



SECTION A-A

▨ Items to be removed

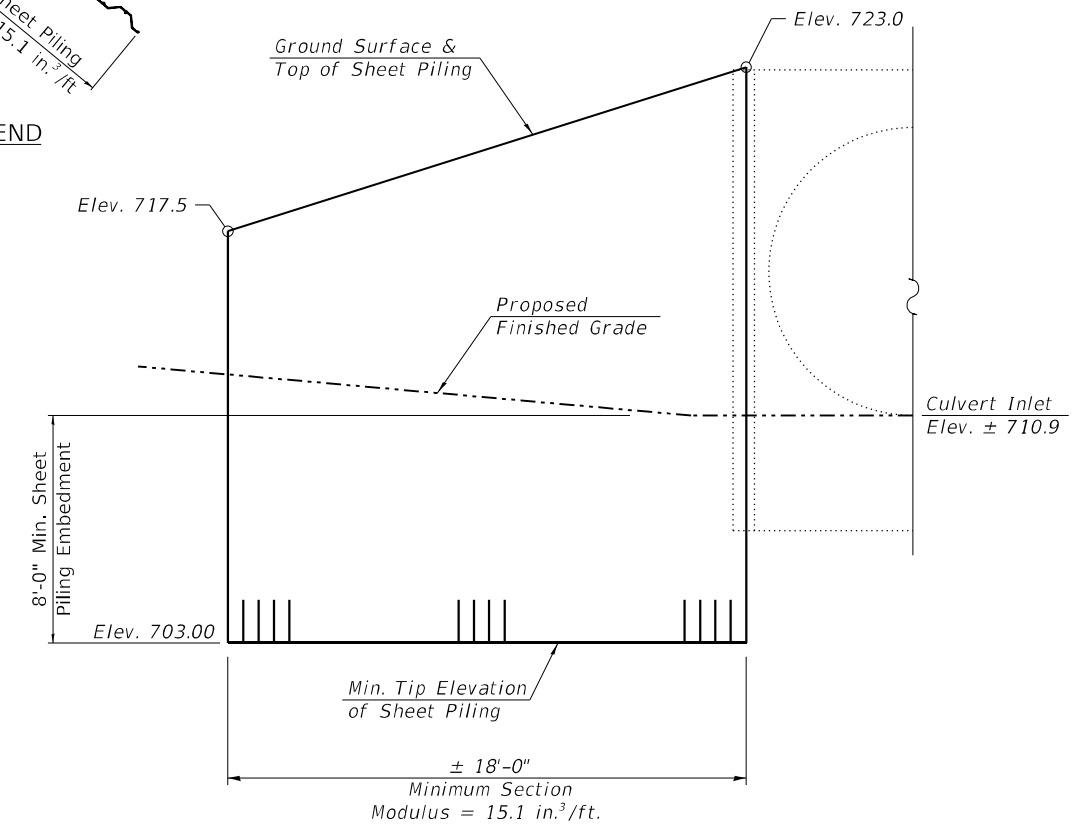


SECTION B-B

▨ Items to be removed

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	17.4
Permanent Sheet Piling	Sq. Ft.	360



PERMANENT SHEET PILING

(Looking West)

If the Contractor chooses to alter the permanent cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

The Contractor shall backfill and re-grade finished ground line after installation of permanent sheet piling.

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KLINGNER & ASSOCIATES, P.C.
 Engineers - Architects - Surveyors
 Galesburg, Illinois
 49 North Park Street
 Galesburg, IL 62541

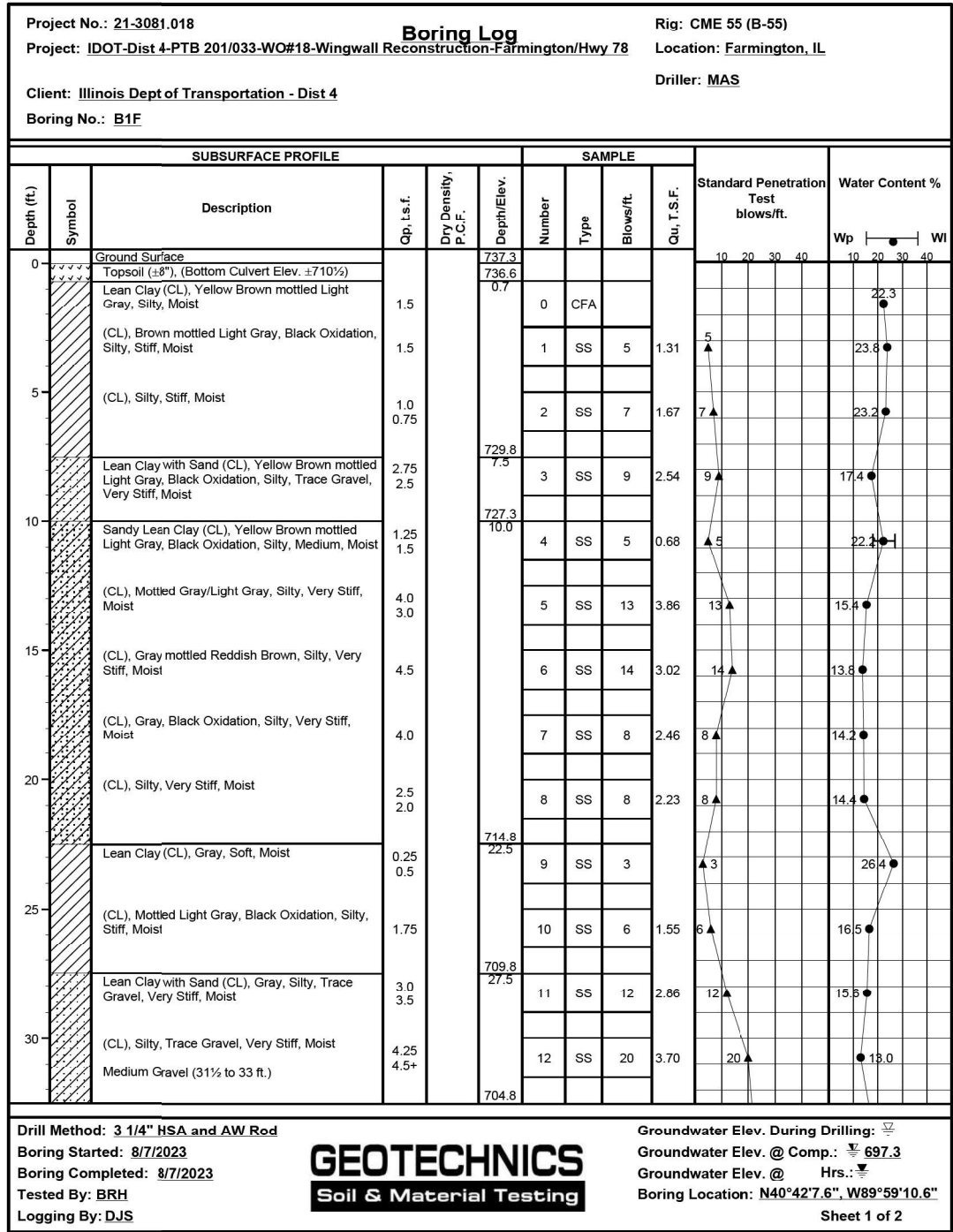
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

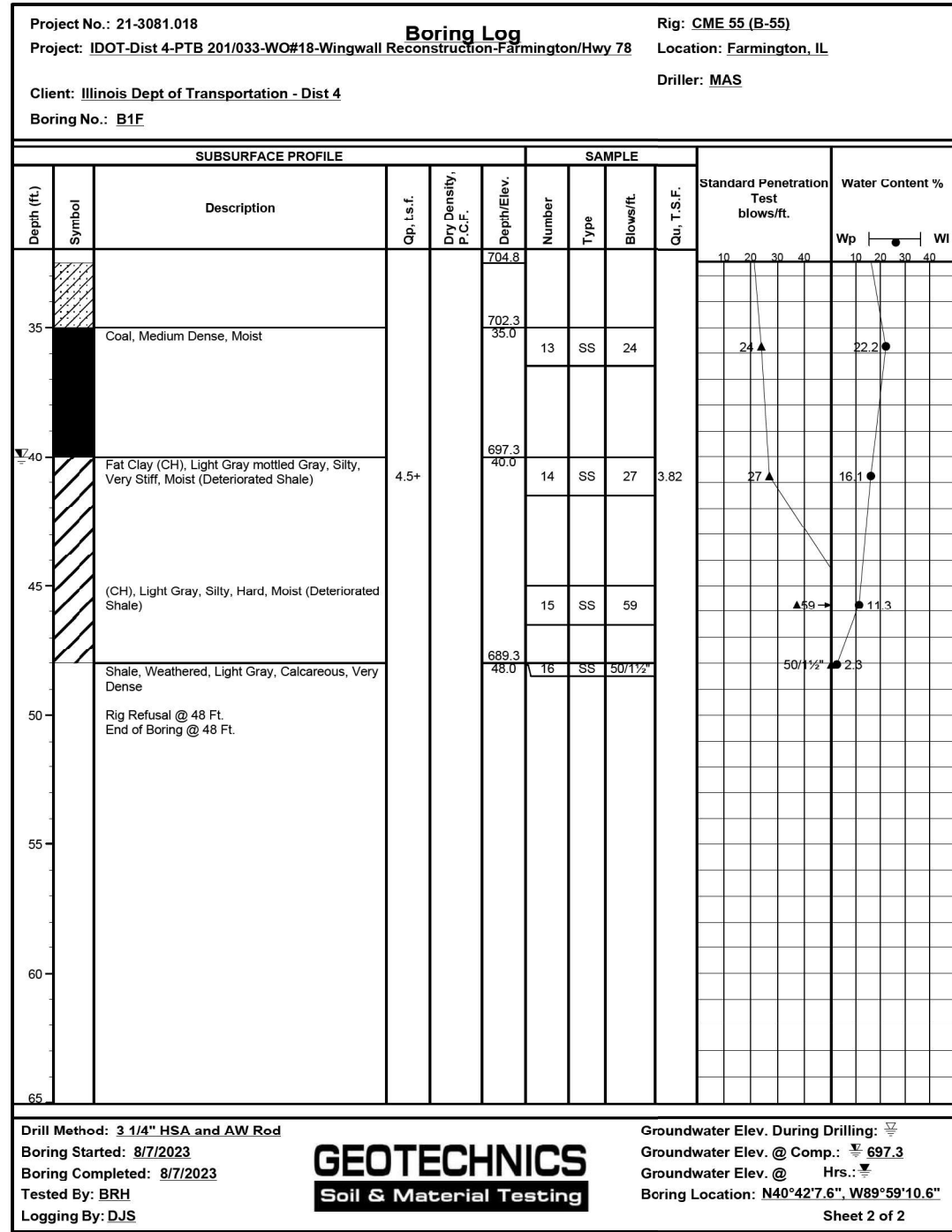
FAP 22 (IL 78)
 WINGWALL REPAIRS

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	48-CLV-1	PEORIA	19	14
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				



SOIL BORING



SOIL BORING

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 22 (IL 78)
WINGWALL REPAIRS

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

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22	48-CLV-1	PEORIA	19	15
CONTRACT NO. 68H85				
ILLINOIS FED. AID PROJECT				

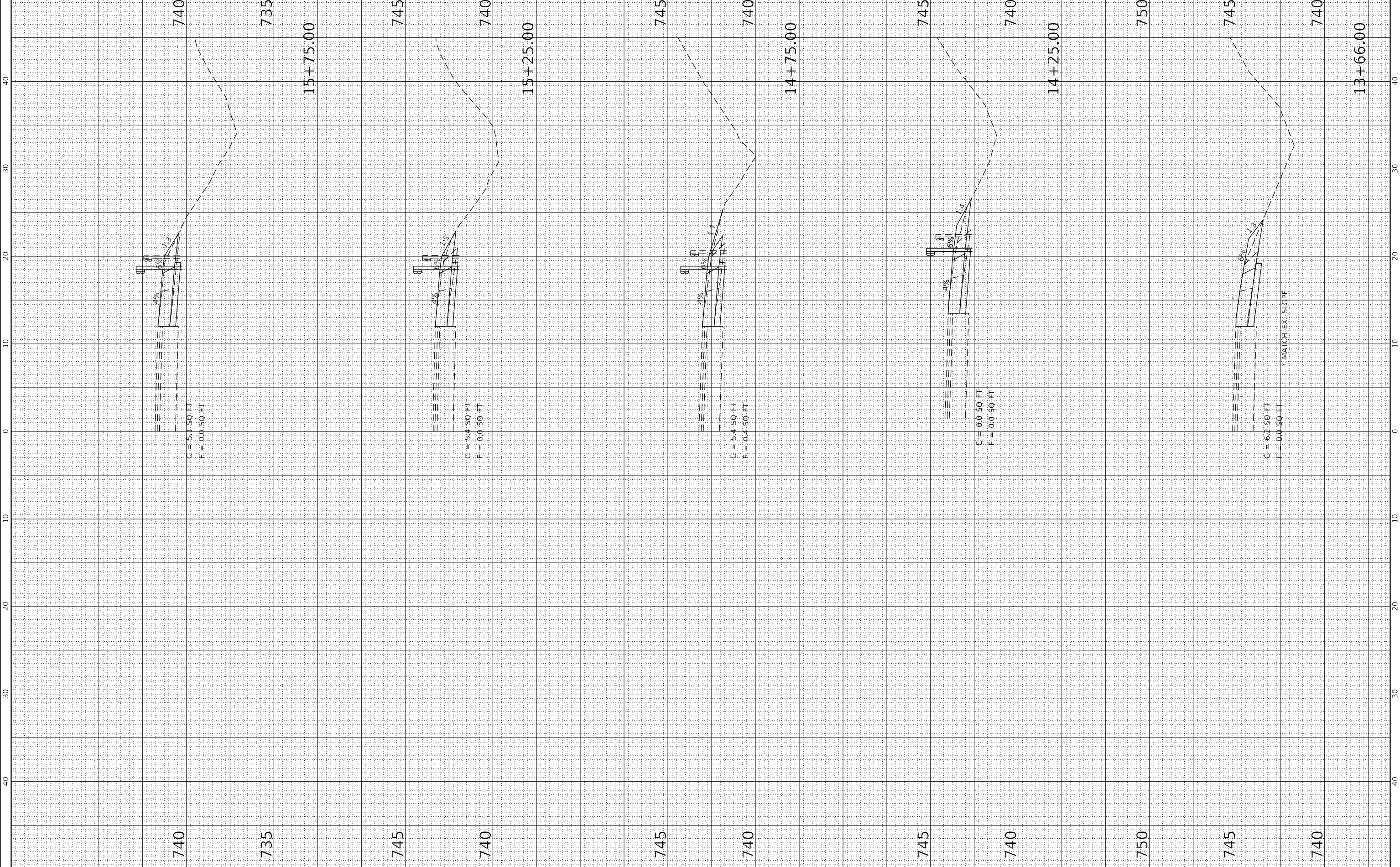
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'
SHEET 1 OF 4 SHEETS
STA. 13+66.00 TO STA. 15+75.00
FAP 22 (IL 78)
CROSS SECTIONS

F.A.P. RTE. 22
SECTION 48-CLV-1
COUNTY PEORIA
CONTRACT NO. 68H85
TOTAL SHEETS 19
SHEETS 16

ORIGINAL	SUBMITTED	BY	DATE
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____	____	____	____
____	____	____	____
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FINAL	SUBMITTED	BY	DATE
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740 735 745 740 745 740 745 740 745 740 750 745 740

KLINGNER & ASSOCIATES, P.C.
 ENGINEERS • ARCHITECTS • SURVEYORS
 616 NORTH STATE STREET, SUITE 200, CHICAGO, ILLINOIS 60610
 STATE OF ILLINOIS DESIGN FIRM NO. 164-2728

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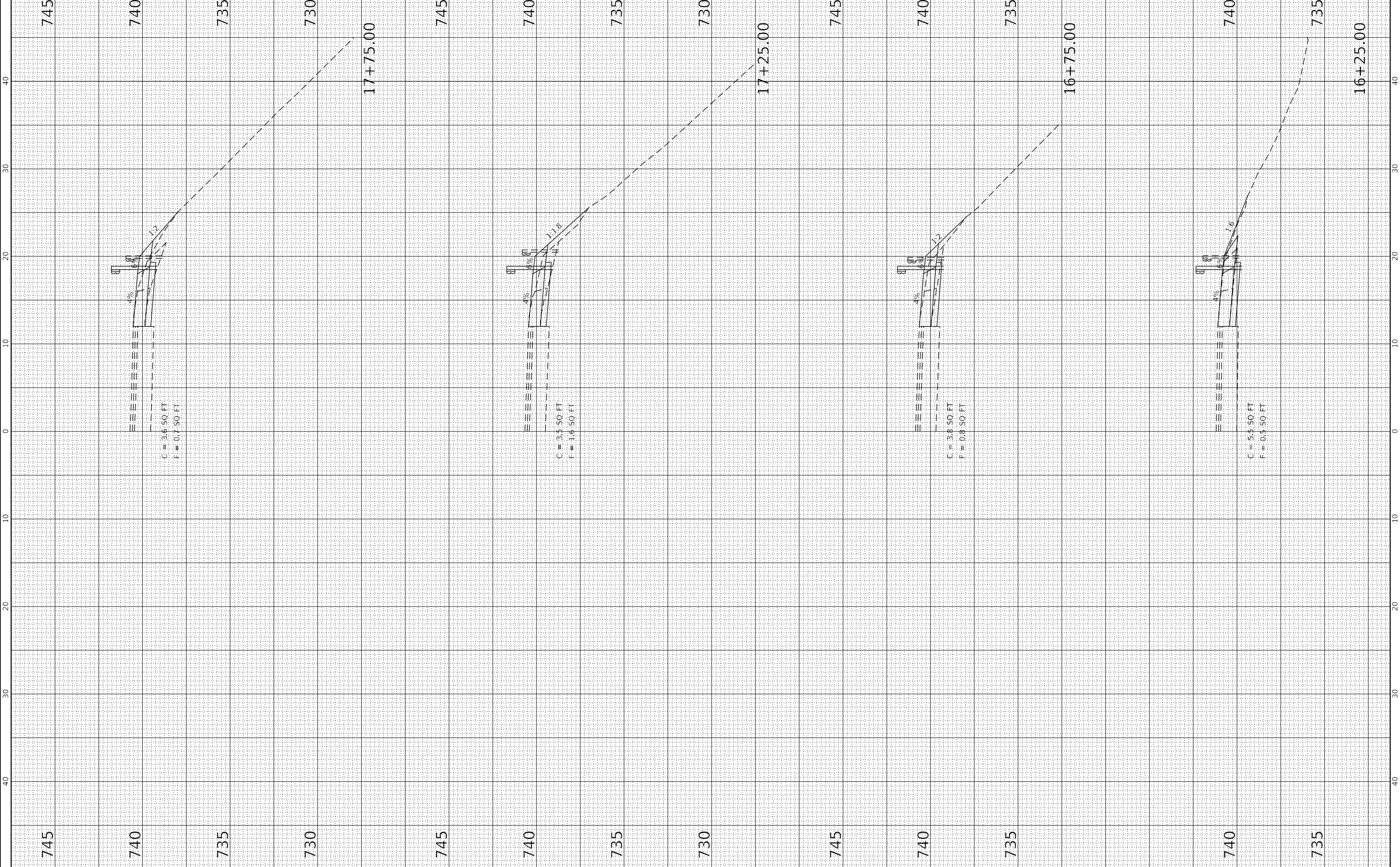
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 CHECKED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'
 SHEET 2 OF 4 SHEETS
 STA. 16+25.00 TO STA. 17+75.00
**FAP 22 (IL 78)
 CROSS SECTIONS**

F.A.P. RTF. 22
 SECTION 48-CLV-1
 COUNTY PEORIA
 CONTRACT NO. 68H85
 TOTAL SHEETS 19
 SHEET NO. 17



C = 3.6 50 FT
 F = 0.7 50 FT

C = 3.5 50 FT
 F = 1.6 50 FT

C = 3.8 50 FT
 F = 0.8 50 FT

C = 5.5 50 FT
 F = 0.5 50 FT

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

FINAL	SUBMITTED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
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KLINGNER ASSOCIATES, P.C.
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 STATE OF ILLINOIS DESIGN FIRM NO. 164-2728
 616 NORTH STATE STREET, SUITE 2000, CHICAGO, ILLINOIS 60610-3207

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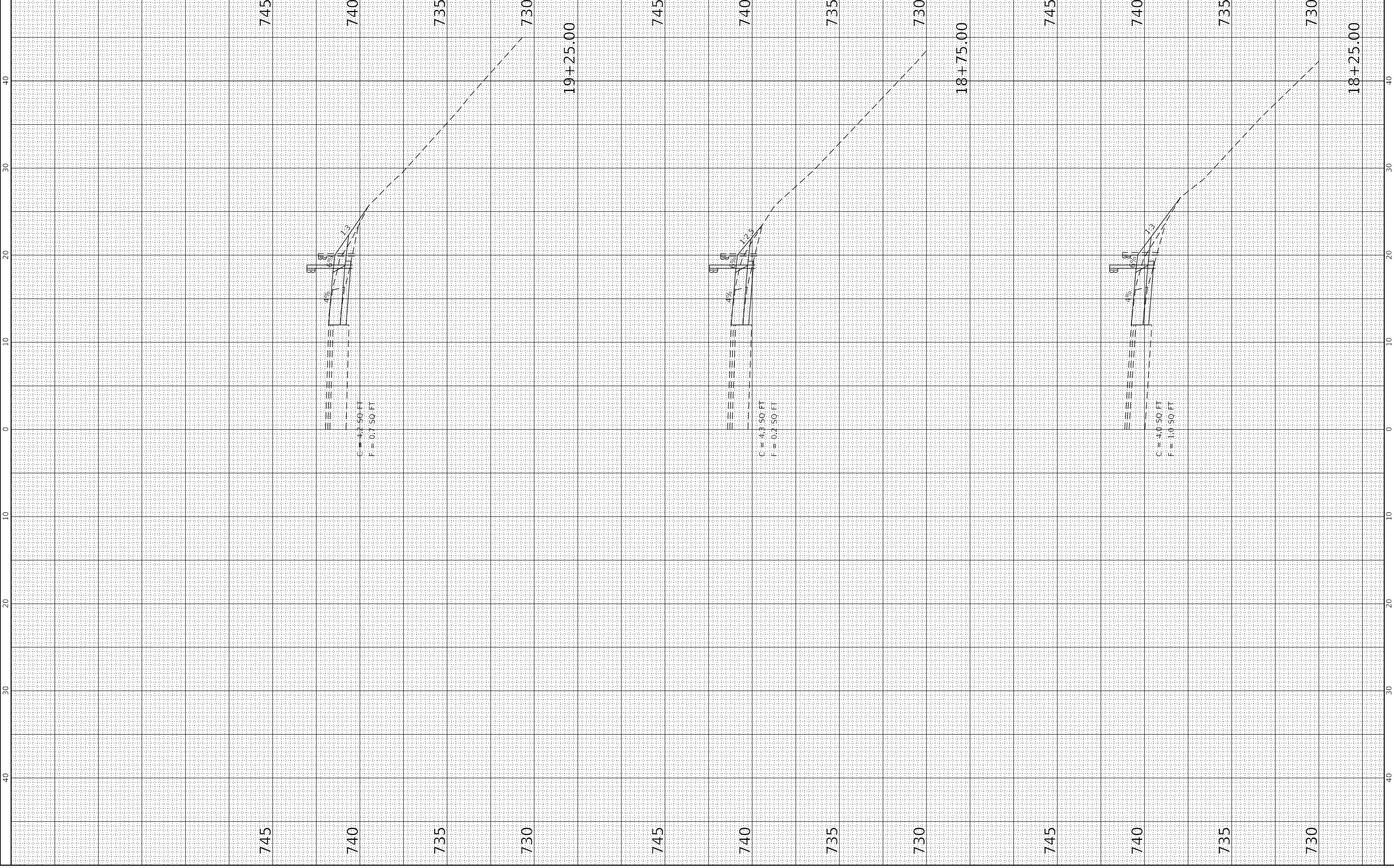
REVISOR	REVISION

REVISOR	REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=25'
 SHEET 3 OF 4 SHEETS
 STA. 18+25.00 TO STA. 19+25.00
FAP 22 (IL 78)
CROSS SECTIONS

F.A.P. RTE. 22	SECTION 48-CLV-1	COUNTY PEORIA	TOTAL SHEETS 19



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SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
AREAS CHECKED			

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 616 NORTH STATE STREET, SUITE 200, CHICAGO, ILLINOIS 60610
 STATE OF ILLINOIS DESIGN FIRM NO. 164-2728

DESIGNED	REVISION	DATE
DRAWN	REVISION	
CHECKED	REVISION	
	REVISION	

USER NAME = halley	REVISION	DATE
PLOT SCALE = 10,000 : 1 IN.	REVISION	
PLOT DATE = 12/4/2023	REVISION	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE. 22	SECTION 48-CLV-1	COUNTY PEORIA	TOTAL SHEETS 19
SCALE: 1" = 20'			
SHEET 4 OF 4 SHEETS			
STA. 19+75.00 TO STA. 20+46.50			
FAP 22 (IL 78) CROSS SECTIONS			
CONTRACT NO. 68H85			
ILLINOIS FED. AID PROJECT			

