

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
487.7	15-inch thick, soft, dark brown SILTY CLAY to SILTY CLAY LOAM, trace gravel; moist to wet --RDR 2-- --Qu: 1.23 B-- Very soft to stiff, brown SILTY CLAY LOAM, sand lens; damp to moist	1	3	3	0.33	23	447.7	little gravel; moist --RDR 2-- Brown SANDY GRAVEL; saturated Medium stiff to hard, reddish brown, bluish gray SILTY CLAY LOAM, trace gravel; damp --RDR 2-- --2-inch thick sandy gravel lenses; saturated--	9	10	12	0.82	13
		2	2	1	0.41	25			10	7	9	5.49	49
		3	2	1	0.33	34	442.7	Very dense, bluish gray, weathered SHALE --RDR 2--	11	8	20	NP	13
480.1	Loose to medium dense, brown and gray SANDY GRAVEL; wet to saturated	4	3	5	0.16	29			12	100/21.5	NP	16	
		5	8	10	NP	11			13	00/14	NP	13	
		6	5	4	NR				14	00/10	NP	10	
452.7	Medium dense, brown SILTY LOAM, trace to little gravel; moist --RDR 2--	7	6	5	NP	16	452.2	Boring terminated at 36.75 ft	15	100/9	NP	10	
449.5	Very stiff, brown CLAY LOAM, --sand lens; wet-- --RDR 2--	8	6	8	3.25	16			20				

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	05-30-2019	Complete Drilling	05-30-2019
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]
Driller	K&N&K	Logger	E. Yim
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	3.25" HSA; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
489.6	6-inch thick ASPHALT --PAVEMENT--						489.8	Medium dense, brown SANDY LOAM to SAND, some gravel; damp --RDR 2--	9	14	11	NP	12
489.6	Black to brown SILTY LOAM, trace gravel; damp --FILL--	1	3	2	1.64	18	487.3	Medium stiff, brown SILTY CLAY, trace gravel; damp --1-inch thick sand lenses; wet-- --RDR 2--	10	6	7	0.57	14
		2	2	2	1.23	18			11	4	6	NP	20
		3	3	4	1.64	13	484.8	Medium dense, brown SAND, trace gravel; saturated	11	4	6	NP	20
		4	2	3	1.46	15			12	4	7	NP	25
		5	4	4	1.00	19			13	7	9	NP	22
477.3	Medium stiff to stiff, brown SILTY CLAY to SILTY CLAY LOAM, trace gravel; damp to moist --RDR 2--	6	2	3	1.64	17	455.3	Boring terminated at 35.00 ft	15				
		7	2	2	0.74	22			20				
		8	2	3	1.23	22			20				

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	06-13-2019	Complete Drilling	06-13-2019
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]
Driller	K&N&K	Logger	E. Yim
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	3.25" HSA; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
489.4	5-inch thick, black TOPSOIL --TOPSOIL-- Very stiff, brown and gray SILTY CLAY LOAM, trace gravel; damp --FILL--	1	5	5	2.95	14	489.4	Very soft to medium stiff, brown CLAY LOAM, trace gravel; moist --RDR 2-- --3-inch, sand lens; wet to saturated--	9	5	3	0.16	21
		2	3	6	3.28	13			10	4	5	0.82	18
		3	5	10	0.74	13	481.4	Medium stiff to very stiff, brown SILTY CLAY LOAM, trace gravel; damp --RDR 2--	11	5	5	3.44	16
		4	6	17	6.81	10	459.6	Gray, fine SAND; saturated --RDR 2--	12	3	3	NP	24
		5	2	3	1.64	16	458.2	Stiff (1.25 P), brown SILTY CLAY LOAM, trace gravel; damp --RDR 2--	12	3	5	NP	24
		6	3	4	1.64	22	456.6	Loose, brown and black, fine SAND, gas odor; saturated Boring terminated at 30.00 ft	30				
		7	3	4	1.64	23			35				
		8	3	2	0.98	28			40				

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	06-11-2019	Complete Drilling	06-11-2019
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]
Driller	K&N&K	Logger	E. Yim
Checked by	C. Marin	Time After Drilling	24 hours
Drilling Method	3.25" HSA; boring backfilled upon completion	Depth to Water	8.00 ft
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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WANGENGINC 1072101.GPJ WANGENG.GDT 4/29/22



USER NAME = D1amb	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 6/6/2023	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS 10  
STRUCTURE NO. 090-8517**

SHEET 53-34 OF 53-38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	801
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

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**BORING LOG RWB-19B** Page 1 of 2

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 492.93 ft  
North: 1456016.91 ft  
East: 2457918.43 ft  
Station: 311+53.14  
Offset: 2.9121 LT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
	Blind drill to 31 feet														
461.9	Medium dense, brown, medium SAND; saturated	8	--RDR 2--	1	8	NP	20								
		7			7										
		10			10										
		15			15										
		19			19										
		20			20										
		25			25										
		30			30										
		35			35										
		40			40										
		45			45										
		50			50										
		55			55										
		60			60										

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-31-2022	Complete Drilling	03-31-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	K&A&J	Logger	M. Sadowski
Checked by	JAB	Time After Drilling	NA
Drilling Method	3.25" ID HSA to 10', mud rotary thereafter; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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**BORING LOG RWB-19B** Page 2 of 2

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 492.93 ft  
North: 1456016.91 ft  
East: 2457918.43 ft  
Station: 311+53.14  
Offset: 2.9121 LT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
452.4	Hard, brown and gray SILTY CLAY; damp	5	--RDR 2--	5	7	4.38	19								
		10			10										
		11			11										
		15			15										
		19			19										
		21			21										
		25			25										
		30			30										
		35			35										
		40			40										
		45			45										
		50			50										
		55			55										
		60			60										

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-31-2022	Complete Drilling	03-31-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	K&A&J	Logger	M. Sadowski
Checked by	JAB	Time After Drilling	NA
Drilling Method	3.25" ID HSA to 10', mud rotary thereafter; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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**BORING LOG RWB-20** Page 1 of 1

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 486.88 ft  
North: 1455999.38 ft  
East: 2457869.27 ft  
Station: 312+01.82  
Offset: 15.8914 RT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
486.5	5-inch thick, black to brown TOPSOIL	1													
	Very stiff, brown SILTY CLAY LOAM, little gravel, sand seams; damp	3			3	3.36	12								
		4			4										
		6			6										
		12			12										
		15			15										
		21			21										
		25			25										
		30			30										
		35			35										
		40			40										
		45			45										
		50			50										
		55			55										
		60			60										

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	06-11-2019	Complete Drilling	06-11-2019
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]
Driller	K&N&K	Logger	E. Yim
Checked by	C. Marin	Time After Drilling	24 hours
Drilling Method	3.25" HSA; boring backfilled upon completion	Depth to Water	DRY ft
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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 WANGENGINC 10/27/20 GPJ WANGENG.GDT 4/29/22

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**BORING LOG RWB-21** Page 1 of 1

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 488.21 ft  
North: 1455955.60 ft  
East: 2457822.06 ft  
Station: 312+66.17  
Offset: 13.5421 RT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Telephone:  
Fax:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	
487.7	6-inch thick TOPSOIL --TOPSOIL-- Stiff to hard, brown CLAY LOAM, trace to little gravel, damp --RDR 2--	0						487.7	Medium dense, brown, medium SAND, saturated --RDR 2--	0						
		1		4	3.36	13		486.2	Medium dense, brown, coarse SAND, saturated --RDR 2--	1		9	9	NP	20	
		2		4	4.67	10		483.2	Boring terminated at 25.00 ft	2		4	6	9	NP	18
		5		4	1.48	16										
480.2	Stiff, brown SILTY CLAY LOAM, trace gravel, damp --RDR 2--	10		2	1.07	19										
		15		4	1.48	22										
472.7	Medium stiff to stiff, brown CLAY LOAM, trace to little gravel, damp to moist --sand lenses-- --RDR 2--	20		3	0.57	24										
		25		3	1.07	18										
		30		3												
		35		3												
		40		3												

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	06-11-2019	Complete Drilling	06-11-2019
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]
Driller	K&N&K	Logger	E. Yim
Checked by	C. Marin	Time After Drilling	24 hours
Drilling Method	3.25" HSA; boring backfilled upon completion	Depth to Water	DRY ft
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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**BORING LOG RWB-21B** Page 1 of 2

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 494.09 ft  
North: 1455941.88 ft  
East: 2457830.66 ft  
Station: 312+68.61  
Offset: 2.4698 LT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Telephone:  
Fax:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	
	Blind drill to 31 feet	0														
		5						463.1	Medium dense, brown, medium SAND, saturated --RDR 2--	5		1	8	9	NP	19
		10						456.6	Medium dense to dense, brown SANDY GRAVEL; saturated --RDR 2--	10		2	6	5	NP	24
		15														
		20														
		25														
		30														
		35														
		40														

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-31-2022	Complete Drilling	03-31-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	K&A&J	Logger	M. Sadowski
Checked by	JAB	Time After Drilling	NA
Drilling Method	3.25" ID HSA to 10', mud rotary thereafter; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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**BORING LOG RWB-21B** Page 2 of 2

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 494.09 ft  
North: 1455941.88 ft  
East: 2457830.66 ft  
Station: 312+68.61  
Offset: 2.4698 LT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Telephone:  
Fax:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
453.6	Very dense, light gray to dark gray SHALE; dry to damp --RDR 3--	0													
		5		5	14	20	32	NP	16						
		10		6	100	8	8	NP	12						
		15		7	100	8	8	NP	13						
		20		8	100	7	1	NP	13						
		25		9	100	6	5	NP	14						
		30		10	100	4	3	NP	13						
		35		11	100	2	2	NP	20						
		40													
		45													
		50													
		55													
		60													

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-31-2022	Complete Drilling	03-31-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	K&A&J	Logger	M. Sadowski
Checked by	JAB	Time After Drilling	NA
Drilling Method	3.25" ID HSA to 10', mud rotary thereafter; boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.		The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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 WANGENGINC 1072101.GPJ WANGENG.GDT 4/29/22

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**BORING LOG RWB-22**

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 488.74 ft  
North: 1455930.52 ft  
East: 2457794.76 ft  
Station: 313+03.22  
Offset: 12.3623 RT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Telephone:  
Fax:

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
488.7	5-inch thick, black to brown TOPSOIL Very stiff, brown SILTY CLAY LOAM, little gravel; damp --FILL-- --sand lenses-- --RDR 2--	0		1	5 6 6	2.05 8	12	488.2	Medium dense, brown, medium SAND, trace gravel, saturated	0		9	6 8 8	NP	6
484.4	Medium stiff, black CLAY LOAM to LOAM, trace gravel and organic matter; damp --BURIED TOPSOIL-- --RDR 2-- Stiff, brown SILTY CLAY LOAM; damp --RDR 2--	5		2	5 6 6	0.66 B	15	483.7	Boring terminated at 25.00 ft	25		10	5 7 8	NP	20
480.7	Medium stiff, brown CLAY LOAM to LOAM, moist --RDR 2--	10		4	3 2 2	0.90 B	21								
476.7	Very stiff, brown SILTY CLAY, trace gravel; damp	15		6	2 3 4	2.13 B	21								
473.2	Soft to medium stiff, brown CLAY LOAM, trace gravel; moist --RDR 2--	20		8	2 2 2	0.25 B	19								

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	06-11-2019	Complete Drilling	06-11-2019
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]
Driller	K&N&K	Logger	E. Yim
Checked by	C. Marin	Time After Drilling	24 hours
Drilling Method	3.25" HSA; boring backfilled upon completion		
While Drilling	20.50 ft	At Completion of Drilling	24.00 ft
Depth to Water	DRY ft	Time After Drilling	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual			

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**BORING LOG RWB-23**

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 484.44 ft  
North: 1455908.45 ft  
East: 2457755.87 ft  
Station: 313+47.10  
Offset: 21.0265 RT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Telephone:  
Fax:

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
484.4	4-inch thick TOPSOIL Stiff, brown SILTY LOAM, trace gravel; damp to moist --FILL-- --RDR 2--	0		1	3 2 1	1.07 S	11	483.9	Medium stiff, gray CLAY LOAM, trace gravel; damp	0		9	7 7 7	0.82 B	14
481.4	Medium stiff to very stiff, brown SILTY CLAY LOAM, trace gravel; damp --FILL--	5		2	3 3 5	2.21 B	17	482.2	Medium dense, gray and brown, medium SAND, trace gravel, gas odor, saturated	5		10	3 6 10	NP	21
473.9	Very soft to medium stiff, brown CLAY LOAM, trace gravel; damp to moist --RDR 2--	10		5	3 1 2	0.57 B	19	459.4	Boring terminated at 25.00 ft	25					
473.9		15		6	2 1 2	0.90 B	23								
473.9		20		8	4 13 6	0.25 P	21								
473.9		25		7	3 4 5	1.80 B	16								

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	06-11-2019	Complete Drilling	06-11-2019
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]
Driller	K&N&K	Logger	E. Yim
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	3.25" HSA; boring backfilled upon completion		
While Drilling	21.25 ft	At Completion of Drilling	21.00 ft
Depth to Water	NA	Time After Drilling	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual			

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**BORING LOG RWB-24**

WEI Job No.: 707-21-01

Datum: NAVD 88  
Elevation: 489.08 ft  
North: 1455851.61 ft  
East: 2457703.25 ft  
Station: 314+24.07  
Offset: 12.3164 RT

Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Telephone:  
Fax:

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
489.0	6-inch thick TOPSOIL Medium dense, black and gray LOAM, trace gravel and debris; damp --FILL-- --RDR 2-- Very stiff (3.28 B), black SILTY CLAY, trace gravel; damp --BURIED TOPSOIL-- Medium stiff to stiff, brown SILTY CLAY LOAM; damp to moist --RDR 2--	0		1	12 9 8	NP	10	488.1	Medium dense, brown SANDY LOAM medium SAND; saturated	0		9	4 5 6	NP	20
485.3		5		2	4 2 3	1.00 P	23	484.1	5-inch thick, black to gray sand, gas odor, saturated	5		10	5 8 8	NP	20
485.3		10		4	2 2 3	0.90 B	18								
485.3		15		6	2 2 3	0.90 B	24								
485.3		20		7	3 2 8	1.64 B	34								
485.3		25		8	6 6 7	NP	16								

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	06-12-2019	Complete Drilling	06-12-2019
Drilling Contractor	Wang Testing Services	Drill Rig	17D50A [87%]
Driller	K&N&K	Logger	E. Yim
Checked by	C. Marin	Time After Drilling	NA
Drilling Method	3.25" HSA; boring backfilled upon completion		
While Drilling	20.50 ft	At Completion of Drilling	22.00 ft
Depth to Water	NA	Time After Drilling	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual			

MODEL: Default  
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 WANGENGINC 7072101.GPJ WANGENG.GDT 4/29/22



USER NAME = D.Lamb	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 6/6/2023	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS 13  
STRUCTURE NO. 090-8517**

SHEET 53-37 OF 53-38 SHEETS

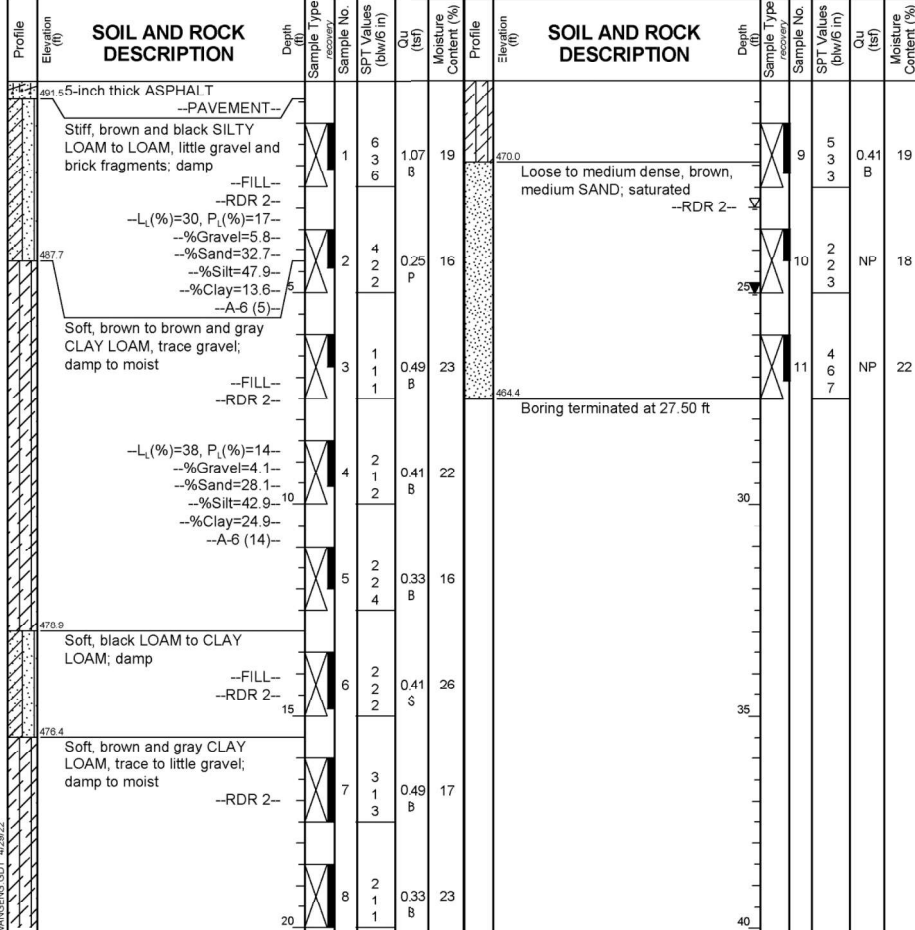
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VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	804
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-25** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 491.91 ft  
North: 1455797.59 ft  
East: 2457662.75 ft  
Station: 314+90.02  
Offset: 2.1809 LT



**GENERAL NOTES**

Begin Drilling 06-12-2019 Complete Drilling 06-12-2019

Drilling Contractor Wang Testing Services Drill Rig 17D50A [87%]

Driller K&N&K Logger E. Yim Checked by C. Marin

Drilling Method 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling 23.00 ft

At Completion of Drilling 25.00 ft

Time After Drilling NA

Depth to Water NA

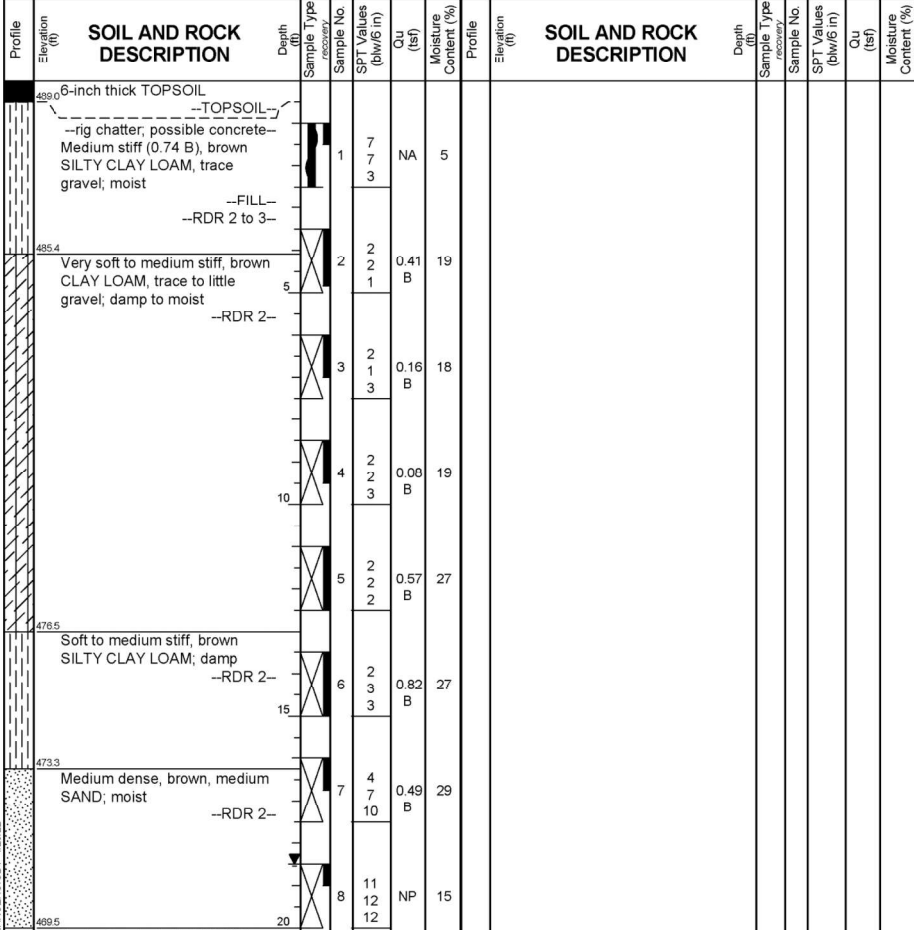
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-26** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 489.51 ft  
North: 1455749.52 ft  
East: 2457587.57 ft  
Station: 315+78.36  
Offset: 10.4797 RT



**GENERAL NOTES**

Begin Drilling 06-12-2019 Complete Drilling 06-12-2019

Drilling Contractor Wang Testing Services Drill Rig 17D50A [87%]

Driller K&N&K Logger E. Yim Checked by C. Marin

Drilling Method 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling DRY

At Completion of Drilling 18.50 ft

Time After Drilling NA

Depth to Water NA

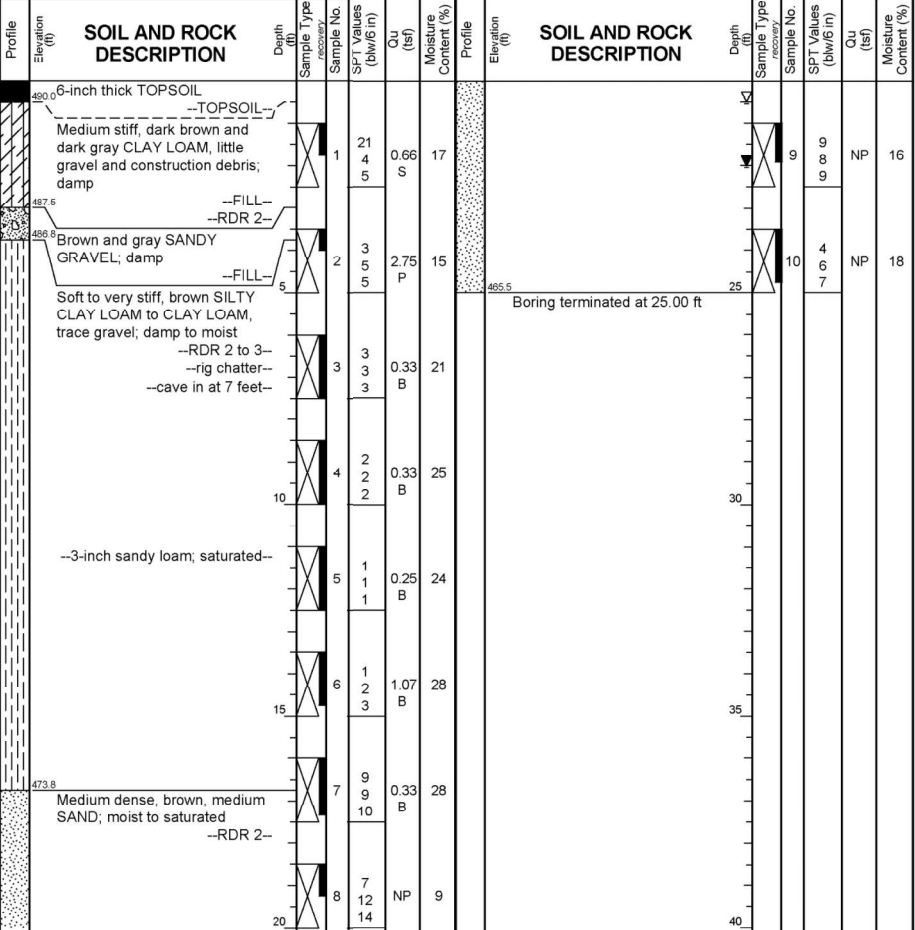
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-27** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 490.52 ft  
North: 1455731.65 ft  
East: 2457570.73 ft  
Station: 316+02.78  
Offset: 7.9294 RT



**GENERAL NOTES**

Begin Drilling 06-12-2019 Complete Drilling 06-12-2019

Drilling Contractor Wang Testing Services Drill Rig 17D50A [87%]

Driller K&N&K Logger E. Yim Checked by C. Marin

Drilling Method 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling 20.50 ft

At Completion of Drilling 22.00 ft

Time After Drilling 24 hours

Depth to Water DRY ft

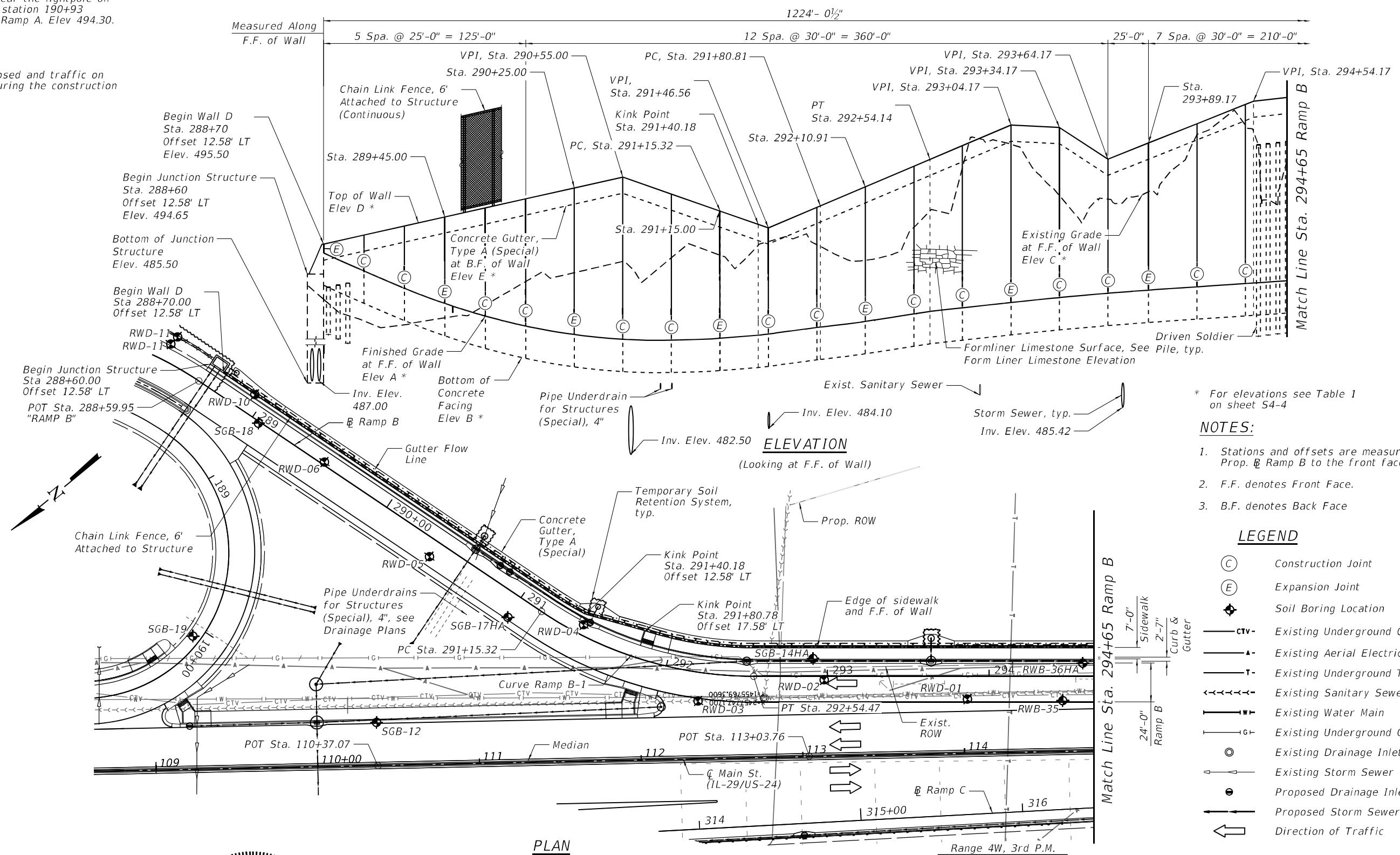
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual

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 WANGENGINC 1072101.GPJ WANGENG.GDT 4/29/22

Bench Mark: Railroad spike near the lightpole on the south side of Ramp A at station 190+93 offset 13.00' +/- Rt. from BL Ramp A. Elev 494.30.

Existing structure: None

Traffic on Ramp B will be closed and traffic on Main Street will be staged during the construction of Retaining Wall B.



**ELEVATION**  
(Looking at F.F. of Wall)

**PLAN**

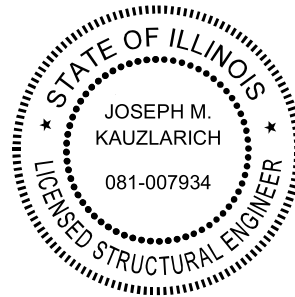
- \* For elevations see Table 1 on sheet S4-4
- NOTES:**
- Stations and offsets are measured along Prop. Ramp B to the front face of wall.
  - F.F. denotes Front Face.
  - B.F. denotes Back Face

- LEGEND**
- (C) Construction Joint
  - (E) Expansion Joint
  - ◆ Soil Boring Location
  - CTV— Existing Underground Cable TV
  - A— Existing Aerial Electric Line
  - T— Existing Underground Telephone
  - SS— Existing Sanitary Sewer
  - WM— Existing Water Main
  - G— Existing Underground Gasline
  - Existing Drainage Inlet
  - Existing Storm Sewer
  - Proposed Drainage Inlet
  - Proposed Storm Sewer
  - ← Direction of Traffic

**CURVE DATA**  
(Ramp B-1)

P.I. Sta. = 291+87.00  
 $\Delta = 33^\circ 55' 39"$  (LT)  
 $D = 24^\circ 22' 52"$   
 $R = 235.00'$   
 $T = 71.68'$   
 $L = 139.15'$   
 $E = 10.69'$   
 P.C. Sta. = 291+15.32  
 P.T. Sta. = 292+54.47

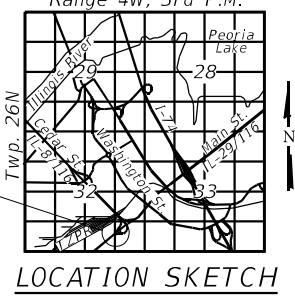
**APPROVED**  
For Structural Adequacy Only  
Joseph M. Kauzlarich  
Engineer of Bridges & Structures



SIGNED: *Joseph M. Kauzlarich*  
 Joseph M. Kauzlarich  
 Lic. No. 081-007934  
 Expires 11-30-2024  
 DATE: 6/8/2023

**DESIGN SPECIFICATIONS**  
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

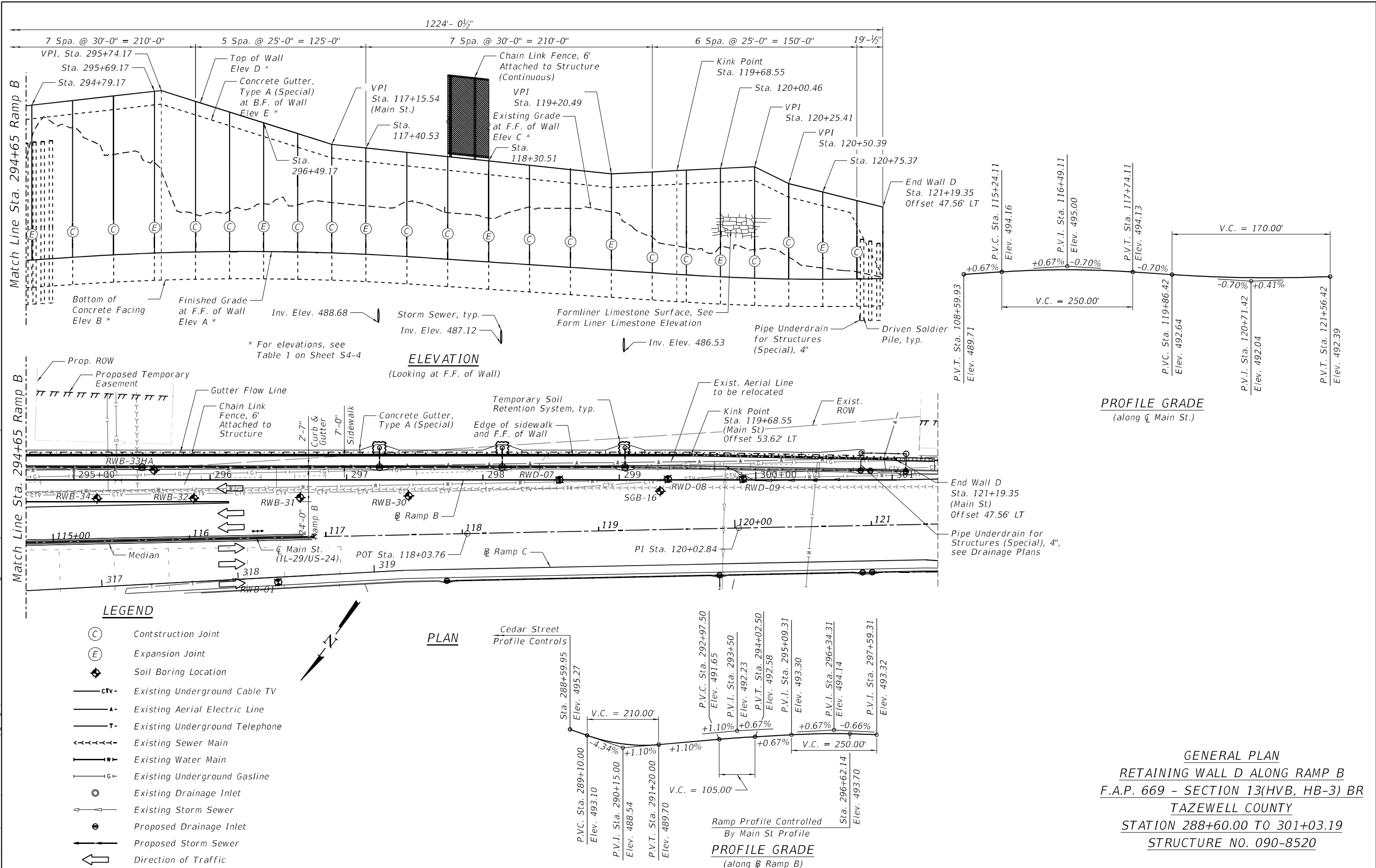
**DESIGN STRESSES**  
FIELD UNITS  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
 $f_y = 50,000$  psi (AASHTO M270 Gr. 50) (Soldier Piles)



**GENERAL PLAN**  
 RETAINING WALL D ALONG RAMP B  
 F.A.P. 669 - SECTION 13(HVB, HB-3) BR  
 TAZEWELL COUNTY  
 STATION 288+60.00 TO 301+03.19  
 STRUCTURE NO. 090-8520

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<b>Michael Baker INTERNATIONAL</b> 200 W Adams Street Suite 1500 Chicago, IL 60606 PH: 312.707.8970 FAX: 312.707.8854	USER NAME = DLamb DESIGNED - YC CHECKED - JMK DRAWN - EML PLOT DATE = 5/8/2023	DESIGNED - YC CHECKED - JMK DRAWN - EML PLOT DATE = 5/8/2023	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN AND ELEVATION 1</b> <b>STRUCTURE NO. 090-8520</b> SHEET S4-1 OF 54-29 SHEETS	F.A.P. RTE. 669 SECTION 13 (HVB, HB-3) BR-1:R COUNTY TAZEWELL TOTAL SHEETS 1173 SHEET NO. 806 CONTRACT NO. 68C55 ILLINOIS FED. AID PROJECT
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- LEGEND**
- (C) Construction Joint
  - (E) Expansion Joint
  - ⊕ Soil Boring Location
  - ctv— Existing Underground Cable TV
  - A— Existing Aerial Electric Line
  - T— Existing Underground Telephone
  - Existing Sewer Main
  - W— Existing Water Main
  - G— Existing Underground Gasline
  - ⊙ Existing Drainage Inlet
  - ⊕ Existing Storm Sewer
  - Proposed Drainage Inlet
  - Proposed Storm Sewer
  - ← Direction of Traffic

**GENERAL PLAN**  
**RETAINING WALL D ALONG RAMP B**  
**F.A.P. 669 - SECTION 13(HVB, HB-3) BR**  
**TAZEWELL COUNTY**  
**STATION 288+60.00 TO 301+03.19**  
**STRUCTURE NO. 090-8520**

<b>Michael Baker International</b> 200 W Adams Street Suite 1500 Chicago, IL 60606 Tel: 312.707.8910 Fax: 312.707.8954	USER NAME = DLamb DESIGNED - YC CHECKED - JMK PLOT SCALE = 64,0000' / in. PLOT DATE = 6/6/2023	DESIGNED - YC CHECKED - JMK DRAWN - EML CHECKED - JMK	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN AND ELEVATION 2</b> <b>STRUCTURE NO. 090-8520</b>	F.A.P. RTE. 669 SECTION 13 (HVB, HB-3) BR-1;R COUNTY TAZEWELL TOTAL SHEETS 1173 SHEET NO. 807 CONTRACT NO. 68C55 ILLINOIS FED. AID PROJECT
					SHEET 54-2 OF 54-29 SHEETS	
					STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	

**GENERAL NOTES**

1. Reinforcement bars designated "(E)" shall be epoxy coated.
2. Anti-Graffiti Coating shall be applied to exposed surfaces of the facing.
3. Existing utilities in conflict with retaining wall construction shall be protected, abandoned, or relocated according to Existing Drainage and Utility Plans. The Contractor shall field verify utilities to be protected to ensure they do not conflict with proposed construction and make necessary approved adjustments prior to construction or ordering of materials. Piles shall be located at a distance of at least 3 times the diameter of utility pipe away from the utility, measured from edge of pile to edge of utility pipe.
4. The Contractor shall provide a method to assure the soldier piles achieve at least the plan tip elevations. The soldier pile locations and elevations shall meet the tolerances provided in the Standard Specifications. Any additional measures required to satisfy the construction tolerances will not be paid for separately but shall be included in Driving Soldier Piles.
5. The Contractor is responsible for the design and performance of the untreated timber lagging using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
6. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
7. Wall is permitted to be built as straight chords between construction joints.
8. Surface treatment shall be continuous across construction and expansion joints. See Special Provisions.
9. The Concrete Facing shall not be poured before all grading work behind and above the wall is complete.
10. The coarse aggregate for Pipe Underdrains for Structures shall be CA-7 or CA-11 gradation.

**INDEX OF SHEETS**

Sheet No.	Sheet Title
1	General Plan and Elevation 1
2	General Plan and Elevation 2
3	General Notes, Index of Sheets, and Total Bill of Material
4	Wall Elevations
5	Detailed Plan and Elevation 1
6	Detailed Plan and Elevation 2
7	Detailed Plan and Elevation 3
8	Detailed Plan and Elevation 4
9	Detailed Plan and Elevation 5
10	Detailed Plan and Elevation 6
11	Detailed Plan and Elevation 7
12	Detailed Plan and Elevation 8
13	Detailed Plan and Elevation 9
14	Bill of Material
15	Pile Schedule 1
16	Pile Schedule 2
17	Cross Sections and Details 1
18	Cross Sections and Details 2
19	Junction Structure Details 1
20	Junction Structure Details 2
21	Pile Details
22	Fence Details
23	Soil Borings 1
24	Soil Borings 2
25	Soil Borings 3
26	Soil Borings 4
27	Soil Borings 5
28	Soil Borings 6
29	Soil Borings 7

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu Yd	1,039
Concrete Structures	Cu Yd	602.1
Stud Shear Connectors	Each	2,370
Reinforcement Bars, Epoxy Coated	Pound	76,830
Pile Shoes	Each	40
Name Plates	Each	1
Temporary Soil Retention System	Sq Ft	2,208
Furnishing Soldier Piles (HP) Section	Foot	5,385
Driving Soldier Piles	Foot	5,385
Untreated Timber Lagging	Sq Ft	9,044
Geocomposite Wall Drain	Sq Yd	709
Pipe Underdrains for Structures 4"	Foot	1,226
Anti-Graffiti Coating	Sq Ft	14,322
Form Liner Limestone Surface	Sq Ft	9,498
Chain Link Fence, 6' Attached to Structure	Foot	1,224

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PLOT DATE = 6/6/2023	CHECKED - KS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS, AND TOTAL BILL OF MATERIAL  
STRUCTURE NO. 090-8520**

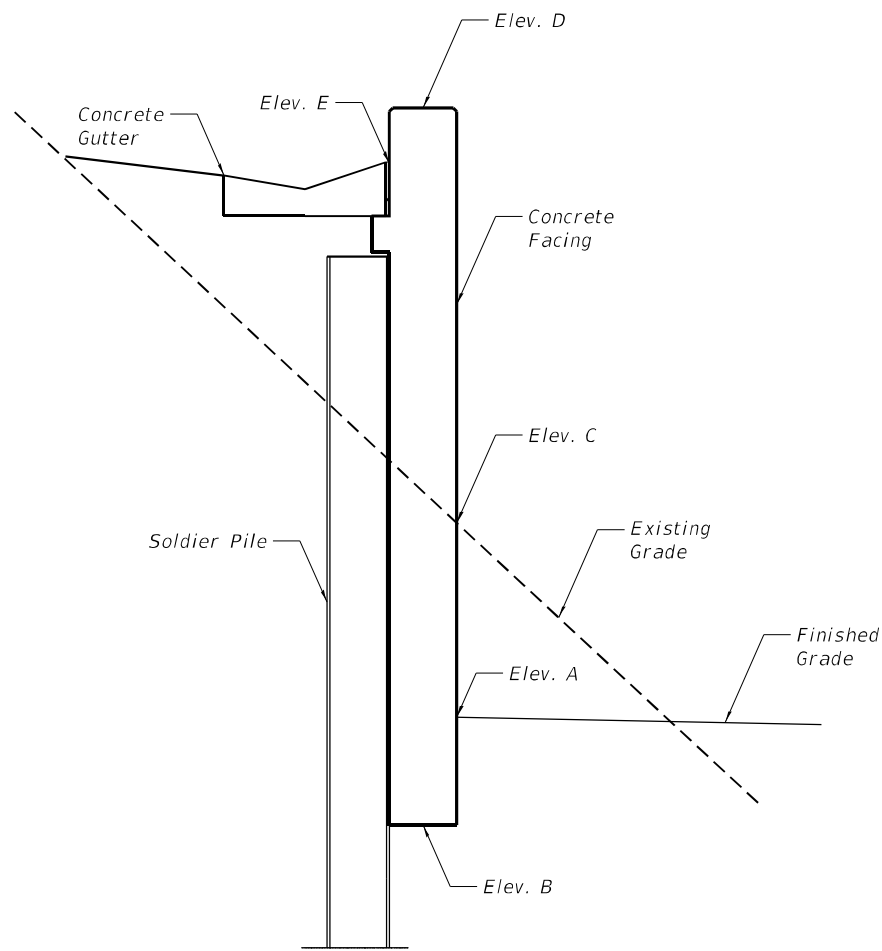
SHEET 54-3 OF 54-29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	808
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				



**WALL ELEVATION TABLE**

Station (Ramp B)	Station (Main St)	Location	Offset	Elevation A	Elevation B	Elevation C	Elevation D	Elevation E
288+70.00		Beginning of Wall D	12.58	494.96	489.83	492.09	495.50	494.50
288+95.00		Constr. Joint	12.58	493.84	489.83	490.75	496.06	495.06
289+20.00		Constr. Joint	12.58	492.77	489.83	490.51	496.62	495.62
289+45.00		Exp. Joint	12.58	491.83	489.83	490.94	497.18	496.18
289+70.00		Constr. Joint	12.58	491.05	489.05	491.73	497.74	496.74
289+95.00		Constr. Joint	12.58	490.44	488.44	493.19	498.30	497.30
290+25.00		Exp. Joint	12.58	489.91	487.91	493.73	498.97	497.97
290+55.00		Constr. Joint/VPI	12.58	489.62	487.62	494.43	499.64	498.64
290+85.00		Constr. Joint	12.58	489.56	487.56	494.65	498.59	497.59
291+15.00		Exp. Joint	12.58	489.68	487.68	494.82	497.55	496.55
291+15.32		Horiz. Kink/Curve Start	12.58	489.68	487.68	494.80	497.53	496.53
291+40.18		Horiz. Kink/Curve End	12.58	489.87	487.87	495.43	496.71	495.71
291+46.56		Constr. Joint/VPI	13.83	489.94	487.94	495.66	496.50	495.50
291+78.49		Constr. Joint	17.48	490.34	488.34	495.47	497.77	496.77
291+80.81		Horiz. Kink/Curve Start	17.58	490.37	488.37	495.36	497.86	496.86
292+10.91		Exp. Joint	17.58	490.72	488.72	494.50	499.04	498.04
292+43.34		Constr. Joint	17.58	491.18	489.18	496.54	500.31	499.31
292+54.14		Horiz. Kink/Curve End	17.58	491.34	489.34	497.56	500.74	499.74
292+74.17		Constr. Joint	17.58	491.56	489.56	500.23	501.58	500.58
293+04.17		Exp. Joint/VPI	17.58	491.89	489.89	501.67	502.86	501.86
293+34.17		Constr. Joint/VPI	17.58	492.19	490.19	498.49	502.71	501.71
293+64.17		Constr. Joint/VPI	17.58	492.46	490.46	498.28	500.75	499.75
293+89.17		Exp. Joint	17.58	492.65	490.65	498.74	501.75	500.75
294+19.17		Constr. Joint	17.58	492.86	490.86	502.26	502.94	501.94
294+49.17		Constr. Joint	17.58	493.06	491.06	502.84	504.14	503.14
294+54.17		VPI	17.58	493.09	491.09	502.44	504.34	503.34
294+79.17		Exp. Joint	17.58	493.26	491.26	502.24	504.62	503.62
295+09.17		Constr. Joint	17.58	493.46	491.46	502.95	504.96	503.96
	115+55.57	Constr. Joint	62.10	493.64	491.64	501.00	505.30	504.30
	115+85.57	Exp. Joint	61.49	493.77	491.77	500.41	505.63	504.63
	115+90.56	VPI	61.38	493.79	491.79	499.75	505.69	504.69
	116+15.56	Constr. Joint	60.87	493.85	491.85	496.61	504.90	503.90
	116+40.55	Constr. Joint	60.36	493.89	491.89	496.83	504.11	503.11
	116+65.55	Exp. Joint	59.84	493.88	491.88	497.39	503.32	502.32
	116+90.54	Constr. Joint	59.33	493.85	491.85	497.31	502.53	501.53
	117+15.54	Constr. Joint/VPI	58.82	493.78	491.78	497.48	501.74	500.74
	117+40.53	Exp. Joint	58.30	493.68	491.68	497.23	501.48	500.48
	117+70.53	Constr. Joint	57.69	493.52	491.52	497.53	501.16	500.16
	118+00.52	Constr. Joint	57.07	493.32	491.32	496.74	500.85	499.85
	118+30.51	Exp. Joint	56.45	493.12	491.12	496.34	500.53	499.53
	118+60.51	Constr. Joint	55.84	492.92	490.92	497.15	500.21	499.21
	118+90.50	Constr. Joint	55.22	492.73	490.73	497.05	499.89	498.89
	119+20.49	Exp. Joint/VPI	54.60	492.53	490.53	496.80	499.58	498.58
	119+50.49	Constr. Joint	53.99	492.33	490.33	494.94	499.73	498.73
	119+68.55	Kink	53.62	492.21	490.21	494.29	499.82	498.82
	119+75.48	Constr. Joint	53.34	492.17	490.17	494.16	499.85	498.85
	120+00.48	Exp. Joint	53.32	492.03	490.03	494.21	499.98	498.98
	120+25.41	Constr. Joint/VPI	51.32	491.93	489.93	494.03	500.10	499.10
	120+50.39	Constr. Joint/VPI	50.32	491.87	489.87	493.49	498.87	497.87
	120+75.37	Exp. Joint	49.32	491.85	489.85	492.67	498.24	497.24
	121+00.35	Constr. Joint	48.33	491.87	489.87	492.40	497.62	496.62
	121+19.35	End of Wall D	47.56	491.91	489.91	491.98	497.14	496.14



**TYPICAL SECTION FOR ELEVATIONS**

Elevation A - Finished Grade at Front Face of Wall  
 Elevation B - Bottom of Concrete Facing  
 Elevation C - Existing Grade at Front Face of Wall  
 Elevation D - Top of Wall  
 Elevation E - Concrete Gutter at Back Face of Wall

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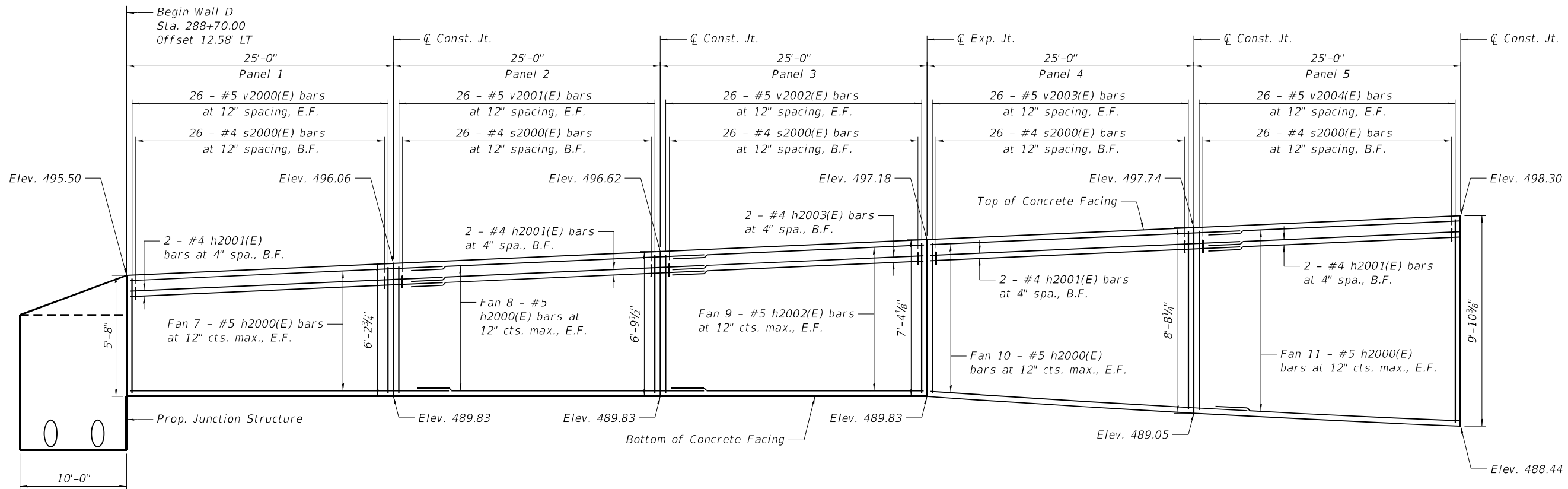


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PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -
	CHECKED - KPS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

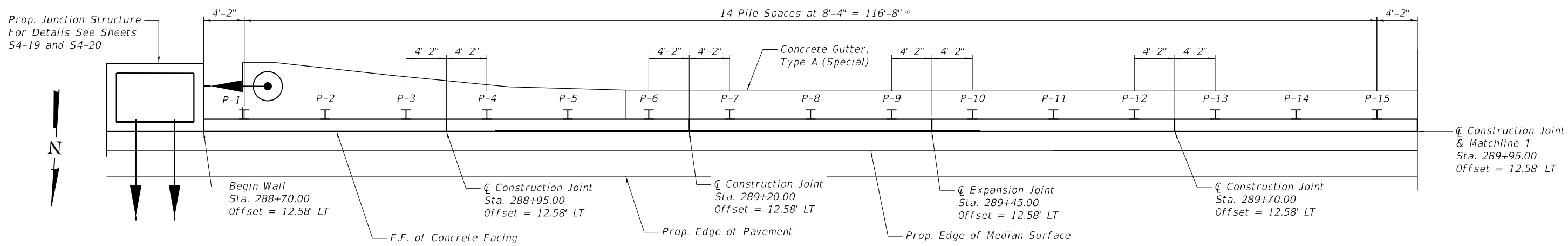
**WALL ELEVATIONS**  
**STRUCTURE NO. 090-8520**  
 SHEET 54-4 OF 54-29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	809
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				



PARTIAL ELEVATION

**MIN. BAR LAP**  
 #4 Bars = 2'-11"  
 #5 Bars = 3'-7"



PARTIAL PLAN

\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

**NOTES**

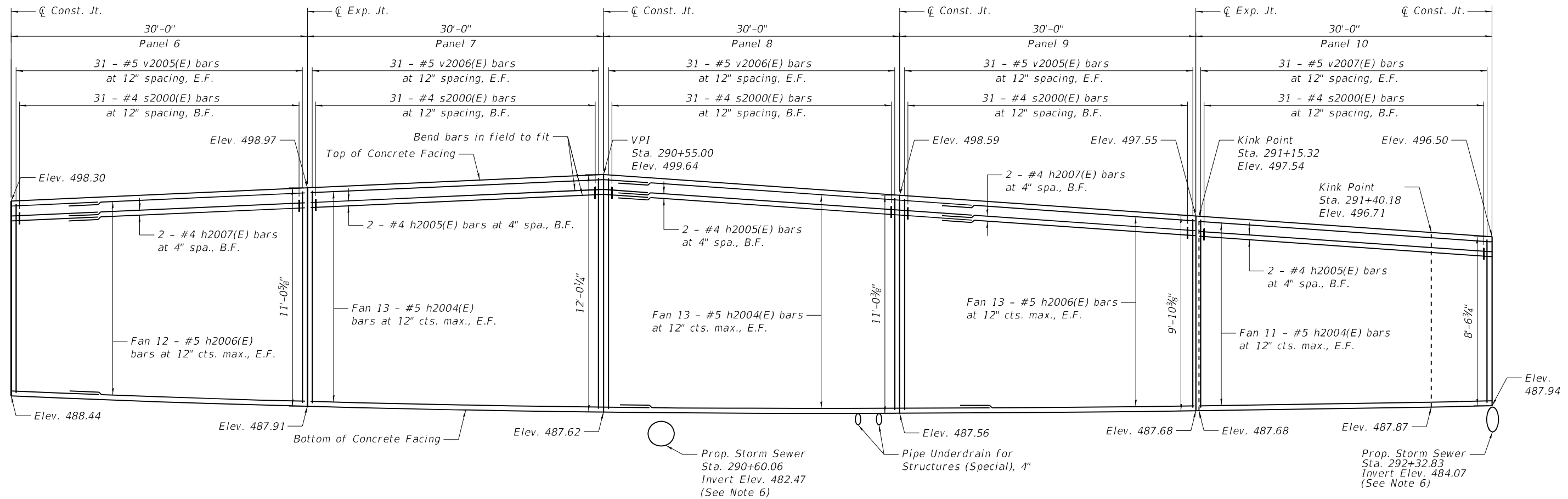
1. Dimensions are measured along F. F. of Wall unless noted otherwise.
2. For bar diagrams and Bill of Material, see Sheet S4-14.
3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
4. All edges shall be chamfered 3/4".
5. For Fence Details, see Sheet S4-22.

**LEGEND**

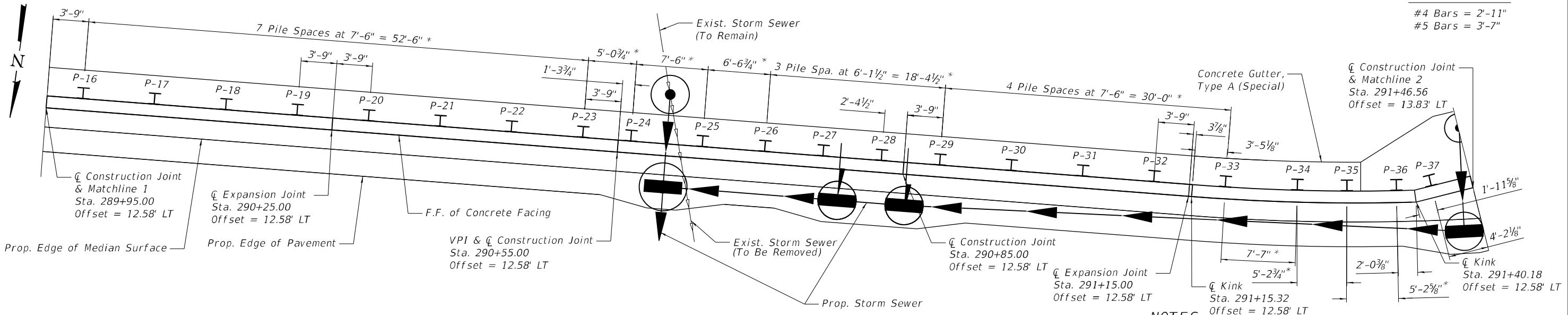
- F.F. - Front Face
- B.F. - Back Face
- E.F. - Each Face

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	USER NAME = DLamb	DESIGNED - WM	REVISD -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILED PLAN AND ELEVATION 1</b> <b>STRUCTURE NO. 090-8520</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10,6667' / in.	CHECKED - JTB	REVISD -			VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	810
	PLOT DATE = 6/6/2023	DRAWN - MDA	REVISD -			CONTRACT NO. 68C55		ILLINOIS FED. AID PROJECT		
		CHECKED - KPS	REVISD -		SHEET S4-5 OF S4-29 SHEETS					



PARTIAL ELEVATION



PARTIAL PLAN

**MIN. BAR LAP**  
 #4 Bars = 2'-11"  
 #5 Bars = 3'-7"

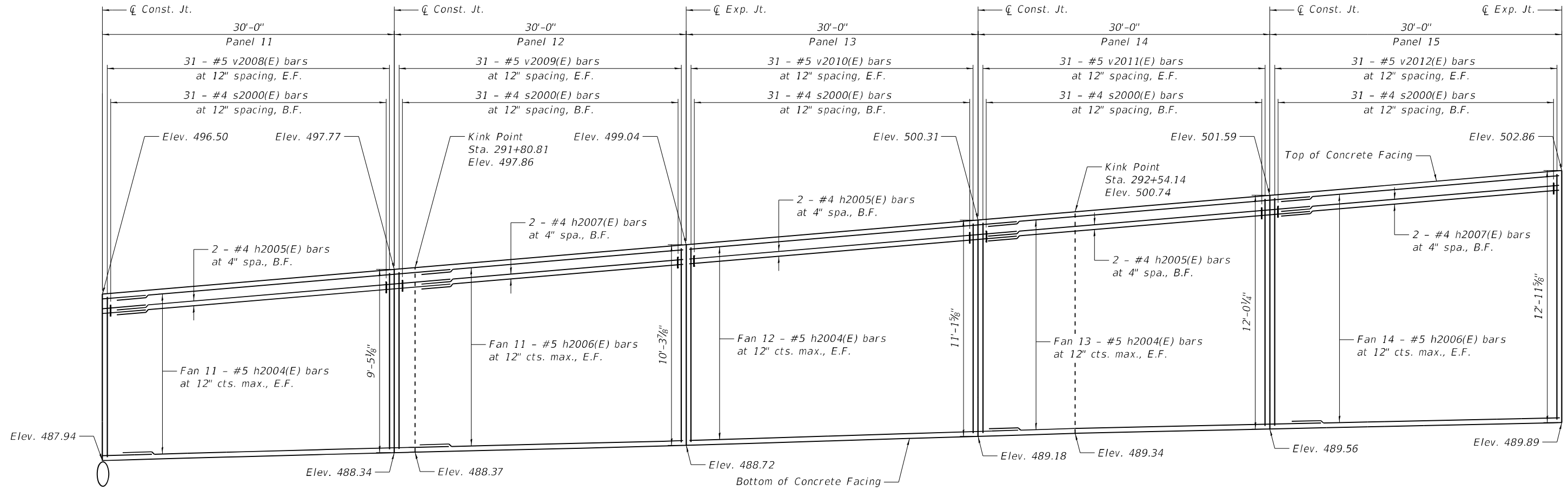
- NOTES**
1. Dimensions are measured along F. F. of Wall unless noted otherwise.
  2. For bar diagrams and Bill of Material, see Sheet S4-14.
  3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
  4. All edges shall be chamfered 3/4".
  5. For Fence Details, see Sheet S4-22.
  6. See Proposed Drainage Plans for drainage pipe, drainage structure, and pipe underdrain connection sizes, stations, and offsets.

**LEGEND**  
 F.F. - Front Face  
 B.F. - Back Face  
 E.F. - Each Face

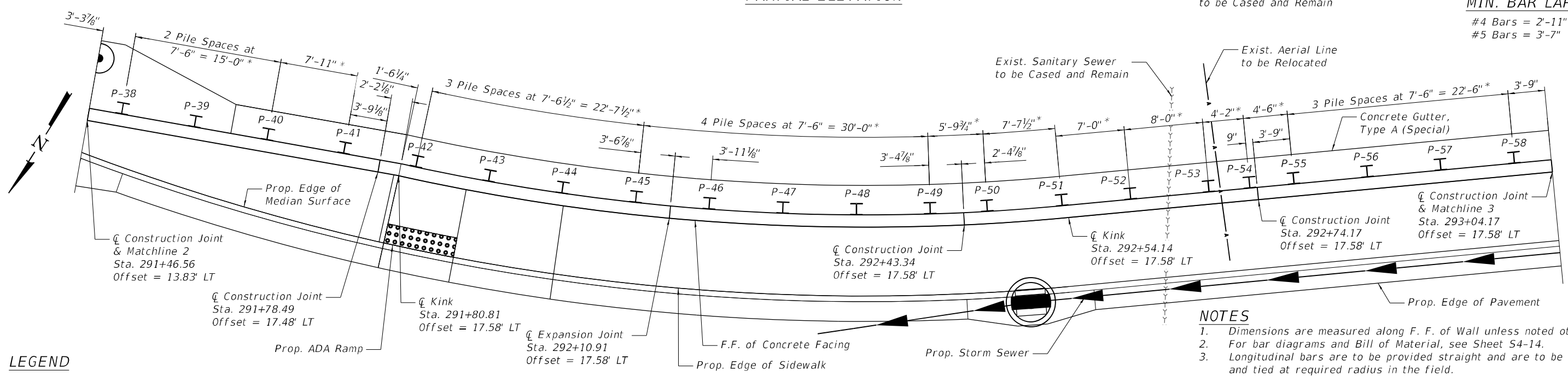
\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

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	USER NAME = DLamb	DESIGNED - WM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILED PLAN AND ELEVATION 2</b> <b>STRUCTURE NO. 090-8520</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10,6667' / in.	DRAWN - MDA	REVISED -			VAR.	13 (HVB, HB-3) BR-1:R	TAZEWELL	1173	811
	PLOT DATE = 6/6/2023	CHECKED - KPS	REVISED -			CONTRACT NO. 68C55		ILLINOIS FED. AID PROJECT		



**PARTIAL ELEVATION**



**PARTIAL PLAN**

**LEGEND**

F.F. - Front Face  
 B.F. - Back Face  
 E.F. - Each Face

**NOTES**

1. Dimensions are measured along F. F. of Wall unless noted otherwise.
2. For bar diagrams and Bill of Material, see Sheet S4-14.
3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
4. All edges shall be chamfered 3/4".
5. For Fence Details, see Sheet S4-22.
6. See Proposed Drainage Plans for drainage pipe, drainage structure, and pipe underdrain connection sizes, stations, and offsets.

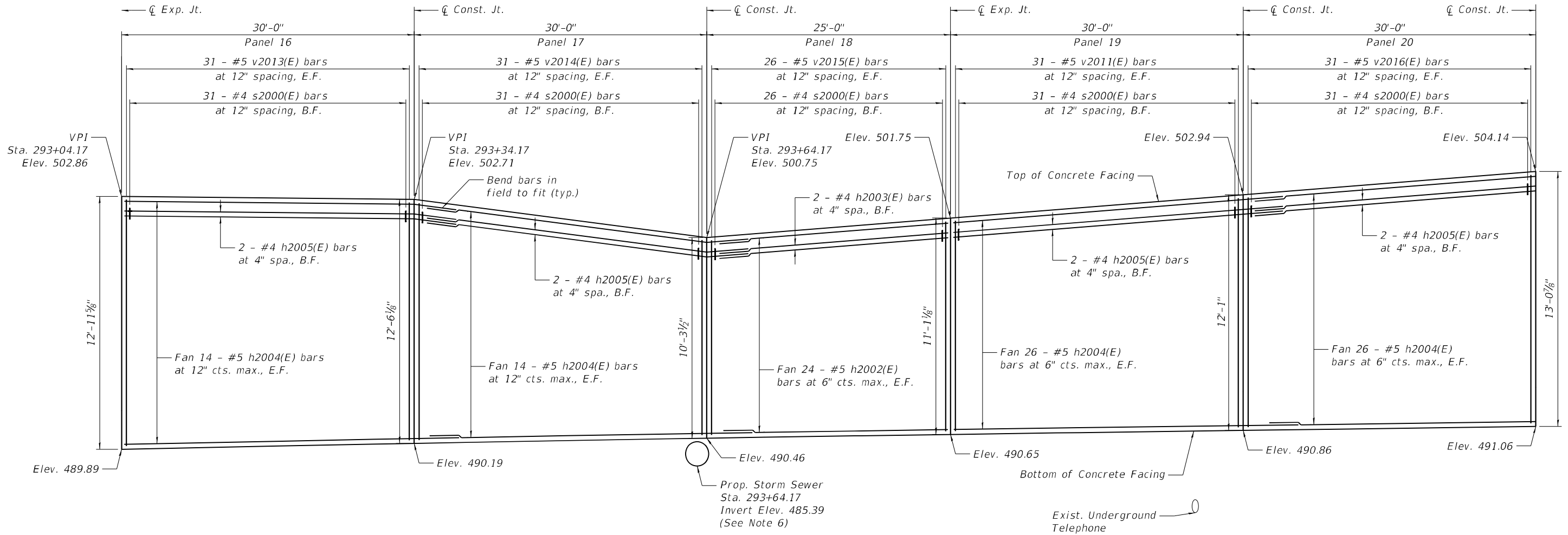
**MIN. BAR LAP**

#4 Bars = 2'-11"  
 #5 Bars = 3'-7"

\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

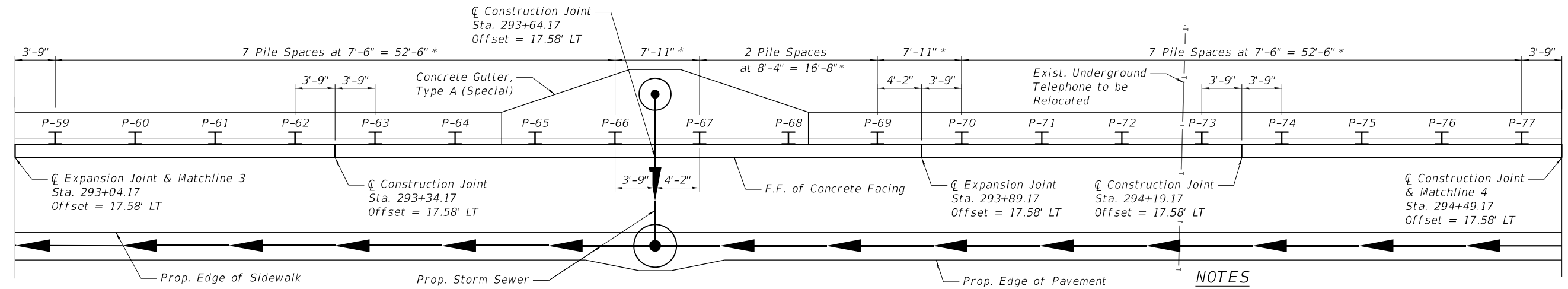
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	USER NAME = DLamb	DESIGNED - WM	REVISD -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILED PLAN AND ELEVATION 3</b> <b>STRUCTURE NO. 090-8520</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10,6667' / in.	CHECKED - JTB	REVISD -			VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	812
	PLOT DATE = 6/6/2023	DRAWN - MDA	REVISD -	SHEET S4-7 OF S4-29 SHEETS		CONTRACT NO. 68C55		ILLINOIS FED. AID PROJECT		



PARTIAL ELEVATION

**MIN. BAR LAP**  
 #4 Bars = 2'-11"  
 #5 Bars = 3'-7"



PARTIAL PLAN

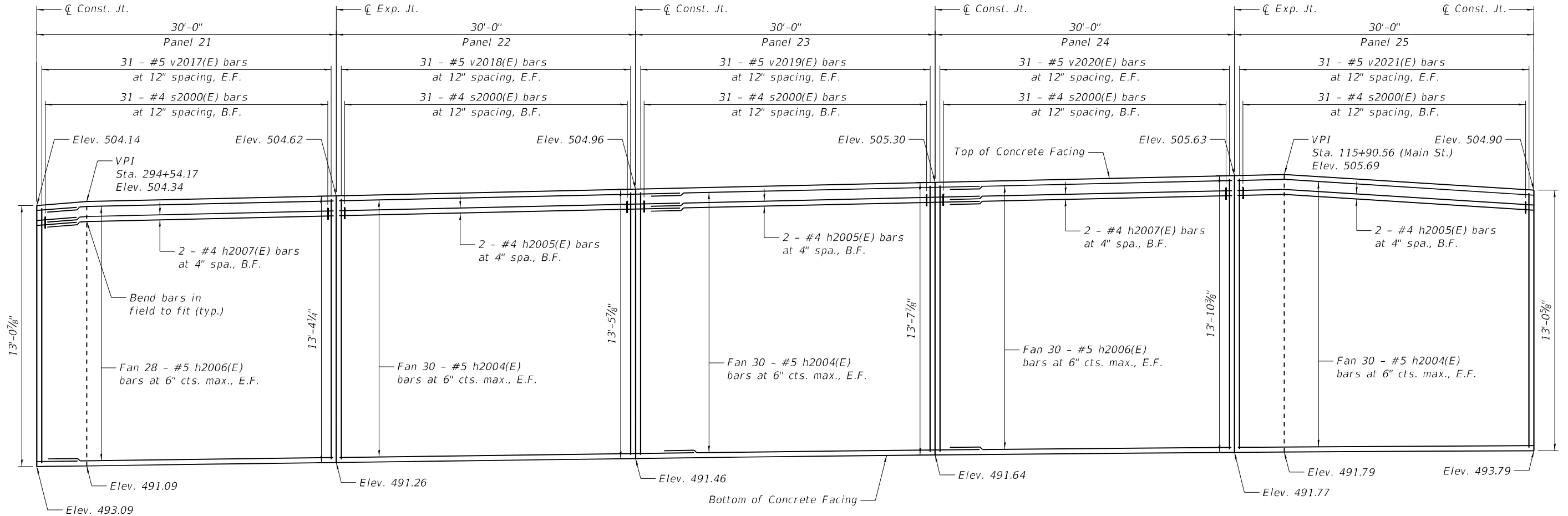
- NOTES**
1. Dimensions are measured along F. F. of Wall unless noted otherwise.
  2. For bar diagrams and Bill of Material, see Sheet S4-14.
  3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
  4. All edges shall be chamfered 3/4".
  5. For Fence Details, see Sheet S4-22.
  6. See Proposed Drainage Plans for drainage pipe, drainage structure, and pipe underdrain connection sizes, stations, and offsets.

\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

**LEGEND**  
 F.F. - Front Face  
 B.F. - Back Face  
 E.F. - Each Face

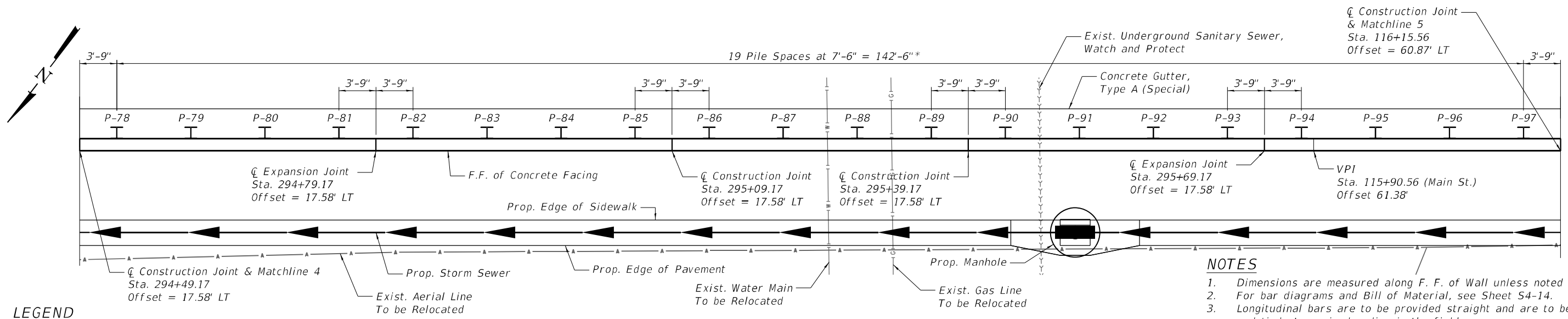
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	USER NAME = DLamb	DESIGNED - WM	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILED PLAN AND ELEVATION 4</b> <b>STRUCTURE NO. 090-8520</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 10,6667' / in.	CHECKED - JTB	REVISED -			VAR.	13 (HV8, HB-3)	BR-1;R	TAZEWELL	1173
	PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -	SHEET S4-8 OF S4-29 SHEETS		CONTRACT NO. 68C55		ILLINOIS FED. AID PROJECT		



**PARTIAL ELEVATION**

**MIN. BAR LAP**  
 #4 Bars = 2'-11"  
 #5 Bars = 3'-7"



**PARTIAL PLAN**

**NOTES**

1. Dimensions are measured along F. F. of Wall unless noted otherwise.
2. For bar diagrams and Bill of Material, see Sheet S4-14.
3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
4. All edges shall be chamfered  $\frac{3}{4}$ ".
5. For Fence Details, see Sheet S4-22.
6. See Proposed Drainage Plans for drainage pipe, drainage structure, and pipe underdrain connection sizes, stations, and offsets.

**LEGEND**  
 F.F. - Front Face  
 B.F. - Back Face  
 E.F. - Each Face

\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

MODEL: Defaul  
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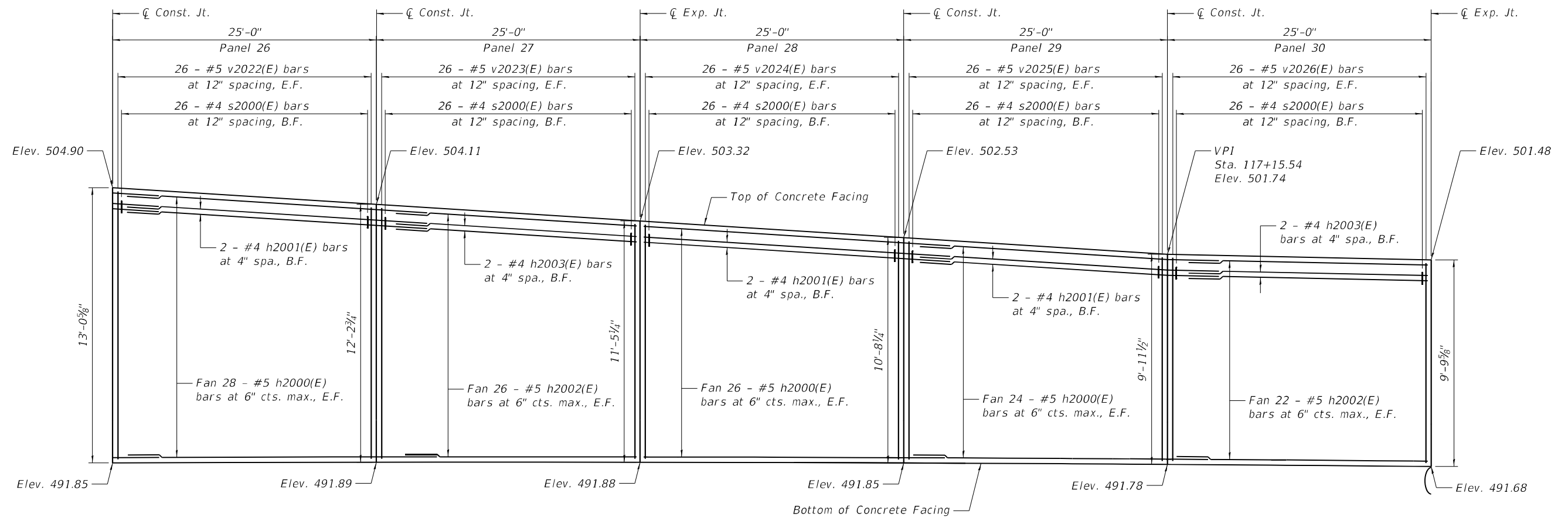
USER NAME = DLamb	DESIGNED - WM	REVISED -
CHECKED - JTB	REVISIO -	
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PLOT DATE = 6/6/2023	CHECKED - KPS	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION 5  
 STRUCTURE NO. 090-8520**

SHEET S4-9 OF S4-29 SHEETS

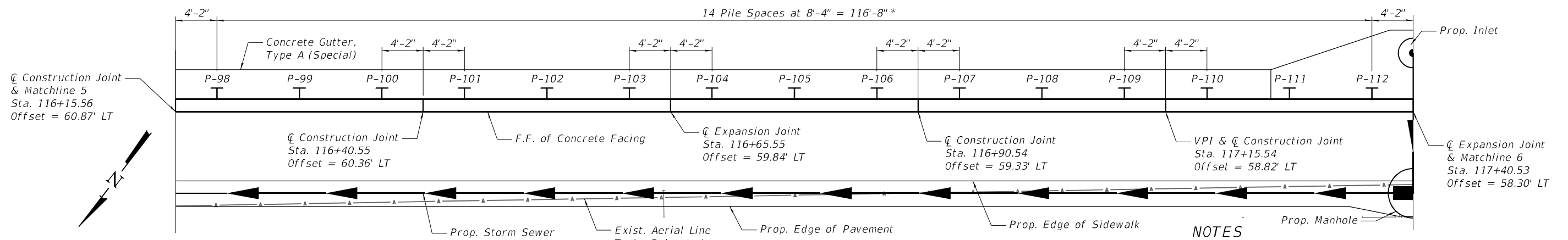
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1:R	TAZEWELL	1173	814
				CONTRACT NO. 68C55
ILLINOIS FED. AID PROJECT				



**PARTIAL ELEVATION**

**MIN. BAR LAP**

#4 Bars = 2'-11"  
#5 Bars = 3'-7"



**PARTIAL PLAN**

\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

**NOTES**

1. Dimensions are measured along F.F. of Wall unless noted otherwise.
2. For bar diagrams and Bill of Material, see Sheet S4-14.
3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
4. All edges shall be chamfered 3/4".
5. For Fence Details, see Sheet S4-22.
6. See Proposed Drainage Plans for drainage pipe, drainage structure, and pipe underdrain connection sizes, stations, and offsets.

**LEGEND**

F.F. - Front Face  
B.F. - Back Face  
E.F. - Each Face

MODEL: Default  
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USER NAME = DLamb	DESIGNED - WM	REVISD -
PLOT SCALE = 10,6667' / in.	CHECKED - JTB	REVISD -
PLOT DATE = 6/6/2023	DRAWN - MDA	REVISD -
	CHECKED - KPS	REVISD -

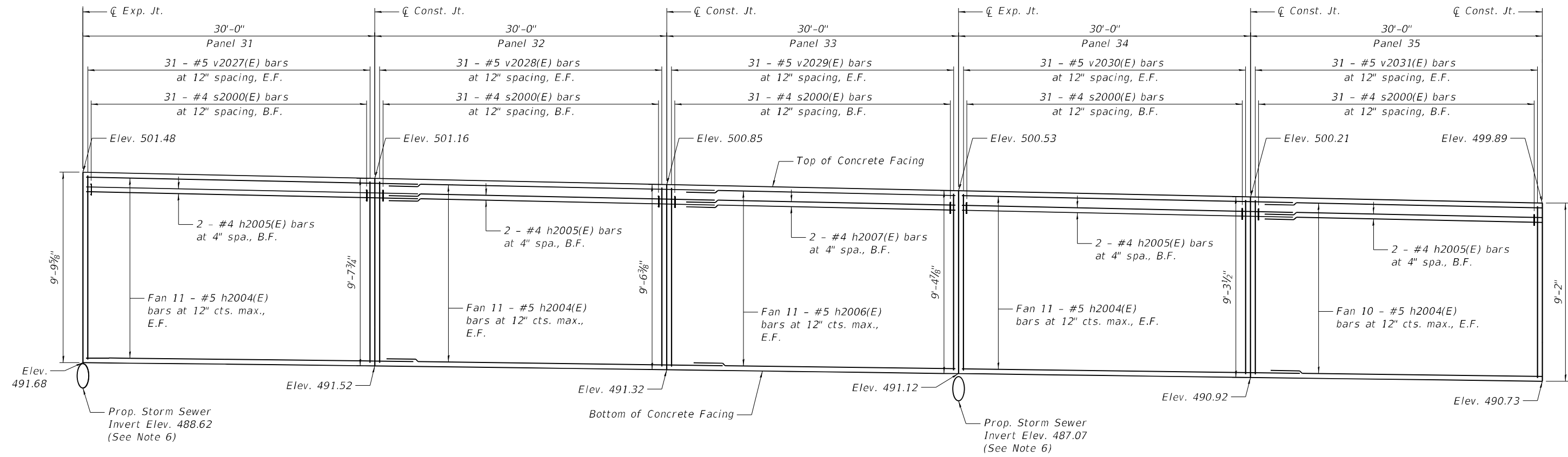
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION 6  
STRUCTURE NO. 090-8520**

SHEET 54-10 OF 54-29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	815
CONTRACT NO. 68C55				

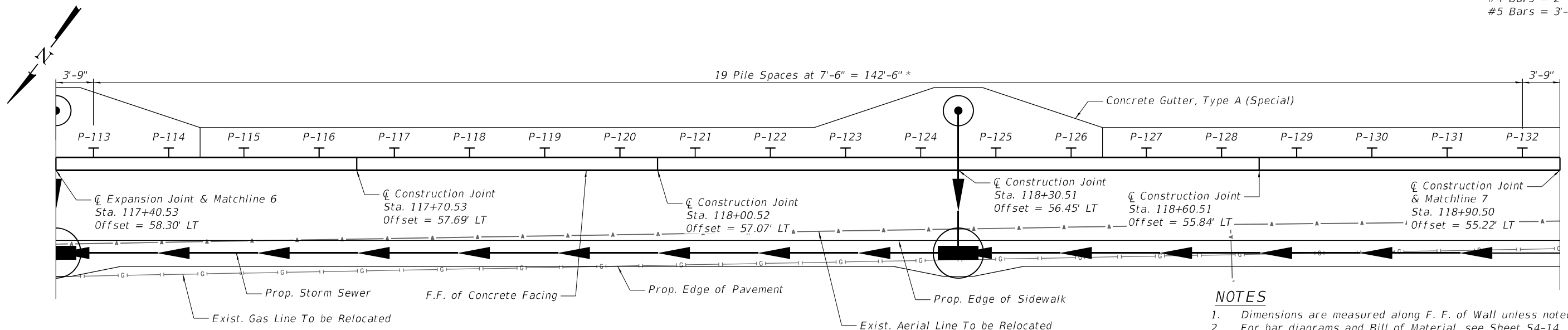
ILLINOIS FED. AID PROJECT



PARTIAL ELEVATION

MIN. BAR LAP

#4 Bars = 2'-11"  
#5 Bars = 3'-7"



PARTIAL PLAN

NOTES

1. Dimensions are measured along F. F. of Wall unless noted otherwise.
2. For bar diagrams and Bill of Material, see Sheet S4-14.
3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
4. All edges shall be chamfered 3/4".
5. For Fence Details, see Sheet S4-22.
6. See Proposed Drainage Plans for drainage pipe, drainage structure, and pipe underdrain connection sizes, stations, and offsets.

LEGEND

F.F. - Front Face  
B.F. - Back Face  
E.F. - Each Face

\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

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 PROJECT: 090-8520  
 SHEET: 54-11 OF 54-29 SHEETS  
 DATE: 6/6/2023



USER NAME = DLamb	DESIGNED - WM	REVISED -
PLOT SCALE = 10,6667' / in.	CHECKED - JTB	REVISED -
PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -
	CHECKED - KPS	REVISED -

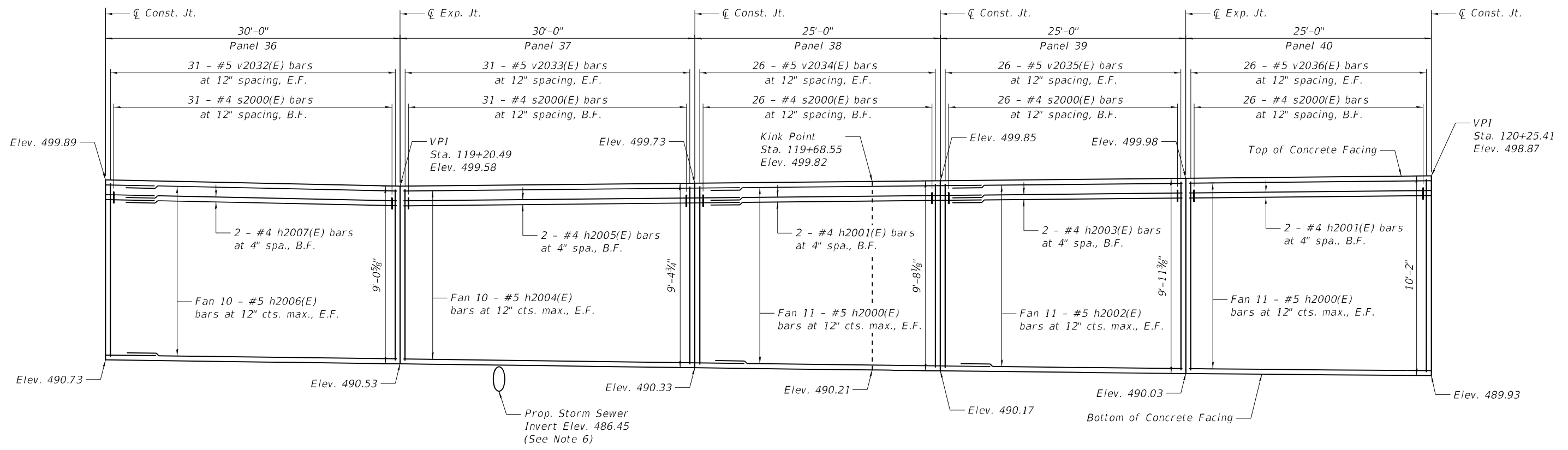
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILED PLAN AND ELEVATION 7  
STRUCTURE NO. 090-8520

SHEET 54-11 OF 54-29 SHEETS

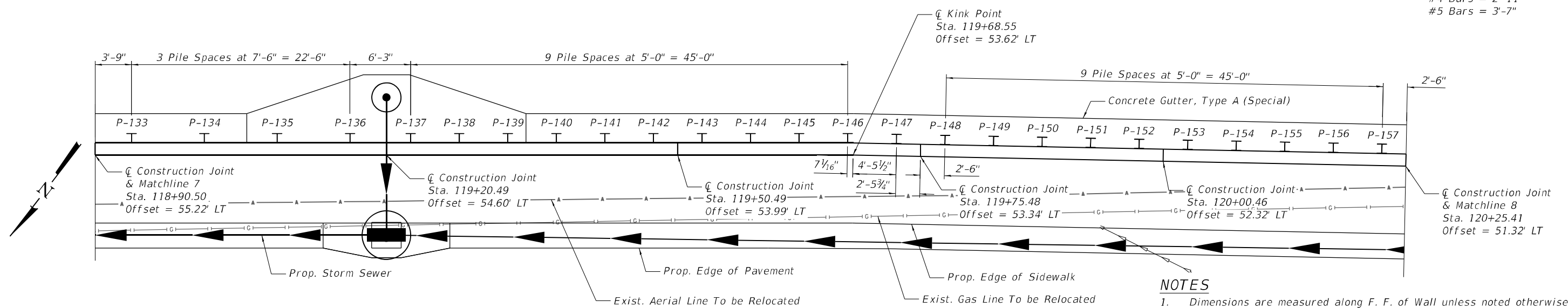
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	816
CONTRACT NO. 68C55			ILLINOIS FED. AID PROJECT	





PARTIAL ELEVATION

MIN. BAR LAP  
 #4 Bars = 2'-11"  
 #5 Bars = 3'-7"



PARTIAL PLAN

NOTES

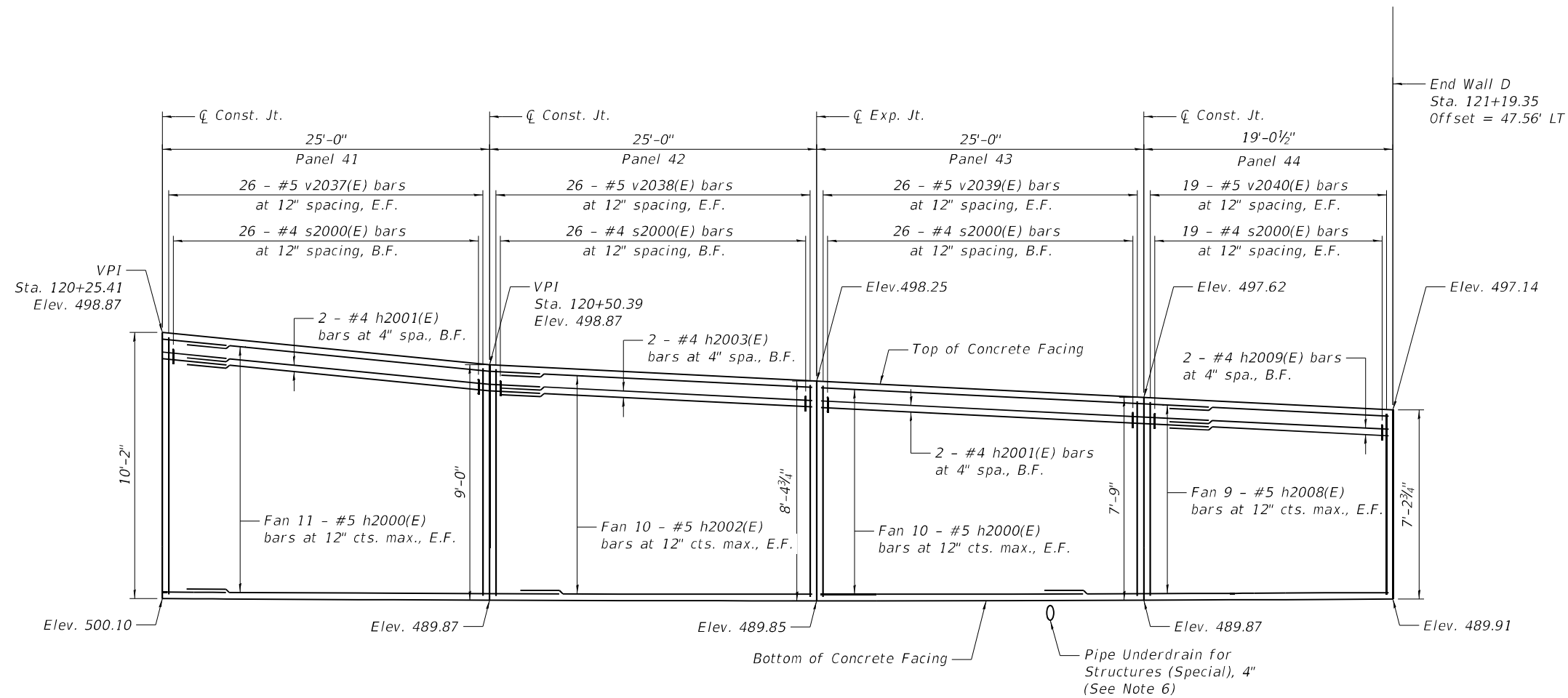
1. Dimensions are measured along F. F. of Wall unless noted otherwise.
2. For bar diagrams and Bill of Material, see Sheet S4-14.
3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
4. All edges shall be chamfered 3/4".
5. For Fence Details, see Sheet S4-22.
6. See Proposed Drainage Plans for drainage pipe, drainage structure, and pipe underdrain connection sizes, stations, and offsets.

\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

LEGEND  
 F.F. - Front Face  
 B.F. - Back Face  
 E.F. - Each Face

MODEL: Default  
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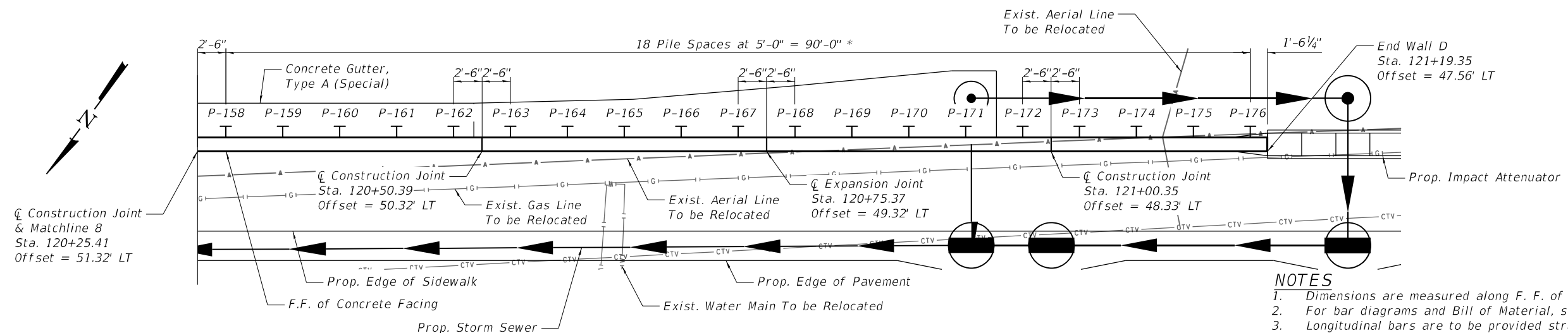
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	PLOT SCALE = 10,6667' / in.	CHECKED - JTB	REVISED -			VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	817
	PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -			CONTRACT NO. 68C55				
	CHECKED - KPS	REVISED -		SHEET 54-12 OF 54-29 SHEETS			ILLINOIS FED. AID PROJECT			



**PARTIAL ELEVATION**

**MIN. BAR LAP**

#4 Bars = 2'-11"  
#5 Bars = 3'-7"



**PARTIAL ELEVATION**

\* Pile spacing is denoted from center of current pile to center of next leading pile along wall.

**NOTES**

1. Dimensions are measured along F. F. of Wall unless noted otherwise.
2. For bar diagrams and Bill of Material, see Sheet S4-14.
3. Longitudinal bars are to be provided straight and are to be sprung and tied at required radius in the field.
4. All edges shall be chamfered 3/4".
5. For Fence Details, see Sheet S4-22.
6. See Proposed Drainage Plans for drainage pipe, drainage structure, and pipe underdrain connection sizes, stations, and offsets.

**LEGEND**

F.F. - Front Face  
B.F. - Back Face  
E.F. - Each Face

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PLOT SCALE = 10,6667' / in.	CHECKED - JTB	REVISED -
PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -
	CHECKED - KPS	REVISED -

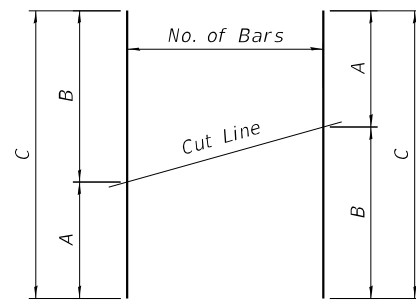
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION 9  
STRUCTURE NO. 090-8520**

SHEET S4-13 OF S4-29 SHEETS

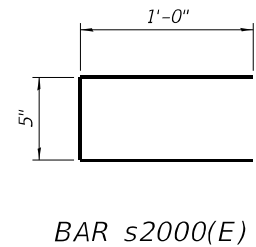
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	818
CONTRACT NO. 68C55				

ILLINOIS FED. AID PROJECT



**FIELD CUTTING DIAGRAM**

See table for dimensions. Make all cuts normal to bar axis.



**BAR TABLE SCHEDULE**

Bar	No. of Sets Req'd	Bar No.	No. of Bars Per Set	A	B	C
v2000(E)	1	#5	26	5'-4"	5'-10"	11'-2"
v2001(E)	1	#5	26	5'-10"	6'-5"	12'-3"
v2002(E)	1	#5	26	6'-5"	7'-0"	13'-5"
v2003(E)	1	#5	26	7'-1"	8'-4"	15'-5"
v2004(E)	1	#5	26	8'-4"	9'-6"	17'-10"
v2005(E)	2	#5	31	9'-6"	10'-8"	20'-2"
v2006(E)	2	#5	31	10'-8"	11'-8"	22'-4"
v2007(E)	1	#5	31	9'-6"	8'-2"	17'-8"
v2008(E)	1	#5	31	8'-2"	9'-1"	17'-3"
v2009(E)	1	#5	31	9'-1"	9'-11"	19'-0"
v2010(E)	1	#5	31	9'-11"	10'-9"	20'-8"
v2011(E)	2	#5	31	10'-9"	11'-8"	22'-5"
v2012(E)	1	#5	31	11'-8"	12'-7"	24'-3"
v2013(E)	1	#5	31	12'-7"	12'-2"	24'-9"
v2014(E)	1	#5	31	12'-2"	9'-11"	22'-1"
v2015(E)	1	#5	26	9'-11"	10'-9"	20'-8"
v2016(E)	1	#5	31	11'-9"	12'-8"	24'-5"
v2017(E)	1	#5	31	12'-10"	13'-2"	26'-0"
v2018(E)	1	#5	31	13'-2"	13'-1"	26'-3"
v2019(E)	1	#5	31	13'-1"	13'-3"	26'-4"
v2020(E)	1	#5	31	13'-3"	13'-6"	26'-9"
v2021(E)	1	#5	31	13'-6"	12'-8"	26'-2"
v2022(E)	1	#5	26	12'-8"	11'-10"	24'-6"
v2023(E)	1	#5	26	11'-10"	11'-1"	22'-11"
v2024(E)	1	#5	26	11'-1"	10'-4"	21'-5"
v2025(E)	1	#5	26	10'-4"	9'-7"	19'-11"
v2026(E)	1	#5	26	9'-7"	9'-5"	19'-0"
v2027(E)	1	#5	31	9'-5"	9'-3"	18'-8"
v2028(E)	1	#5	31	9'-3"	9'-2"	18'-5"
v2029(E)	1	#5	31	9'-2"	9'-0"	18'-2"
v2030(E)	1	#5	31	9'-0"	8'-11"	17'-11"
v2031(E)	1	#5	31	8'-11"	8'-10"	17'-9"
v2032(E)	1	#5	31	8'-10"	8'-8"	17'-6"
v2033(E)	1	#5	31	8'-8"	9'-0"	17'-8"
v2034(E)	1	#5	26	9'-0"	9'-4"	18'-4"
v2035(E)	1	#5	26	9'-4"	9'-7"	18'-11"
v2036(E)	1	#5	26	9'-7"	9'-10"	19'-5"
v2037(E)	1	#5	26	9'-9"	8'-8"	18'-5"
v2038(E)	1	#5	26	8'-7"	8'-0"	16'-7"
v2039(E)	1	#5	26	8'-0"	7'-5"	15'-5"
v2040(E)	1	#5	19	7'-4"	6'-10"	14'-2"

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h2000(E)	314	5	28'-7"	
h2001(E)	22	4	27'-11"	
h2002(E)	204	5	24'-8"	
h2003(E)	12	4	24'-8"	
h2004(E)	592	5	33'-7"	
h2005(E)	36	4	32'-11"	
h2006(E)	258	5	29'-8"	
h2007(E)	16	4	29'-8"	
h2008(E)	18	5	18'-8"	
h2009(E)	2	4	18'-8"	
s2000(E)	1224	4	2'-5"	□
v2000(E)	26	5	11'-2"	
v2001(E)	26	5	12'-3"	
v2002(E)	26	5	13'-5"	
v2003(E)	26	5	15'-5"	
v2004(E)	26	5	17'-10"	
v2005(E)	62	5	20'-2"	
v2006(E)	62	5	22'-4"	
v2007(E)	31	5	17'-8"	
v2008(E)	31	5	17'-3"	
v2009(E)	31	5	19'-0"	
v2010(E)	31	5	20'-8"	
v2011(E)	62	5	22'-5"	
v2012(E)	31	5	24'-3"	
v2013(E)	31	5	24'-9"	
v2014(E)	31	5	22'-1"	
v2015(E)	31	5	20'-8"	
v2016(E)	31	5	24'-5"	
v2017(E)	26	5	26'-0"	
v2018(E)	31	5	26'-3"	
v2019(E)	31	5	26'-4"	
v2020(E)	31	5	26'-9"	
v2021(E)	31	5	26'-2"	
v2022(E)	31	5	24'-6"	
v2023(E)	31	5	22'-11"	
v2024(E)	31	5	21'-5"	
v2025(E)	26	5	19'-11"	
v2026(E)	26	5	19'-0"	
v2027(E)	26	5	18'-8"	
v2028(E)	26	5	18'-5"	
v2029(E)	26	5	18'-2"	
v2030(E)	31	5	17'-11"	
v2031(E)	31	5	17'-9"	
v2032(E)	31	5	17'-6"	
v2033(E)	31	5	17'-8"	
v2034(E)	31	5	18'-4"	
v2035(E)	31	5	18'-11"	
v2036(E)	31	5	19'-5"	
v2037(E)	26	5	18'-5"	
v2038(E)	26	5	16'-7"	
v2039(E)	26	5	15'-5"	
v2040(E)	26	5	14'-2"	
Concrete Structures			Cu Yd	591.4
Reinforcement Bars, Epoxy Coated			Pound	74,440

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USER NAME = DLamb  
 PLOT SCALE = 0.1667' / in.  
 PLOT DATE = 6/6/2023

DESIGNED - MDA  
 CHECKED - KPS  
 DRAWN - MDA  
 CHECKED - KPS

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**BILL OF MATERIAL**  
**STRUCTURE NO. 090-8520**

SHEET S4-14 OF S4-29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	819
			CONTRACT NO. 68C55	
		ILLINOIS FED. AID PROJECT		

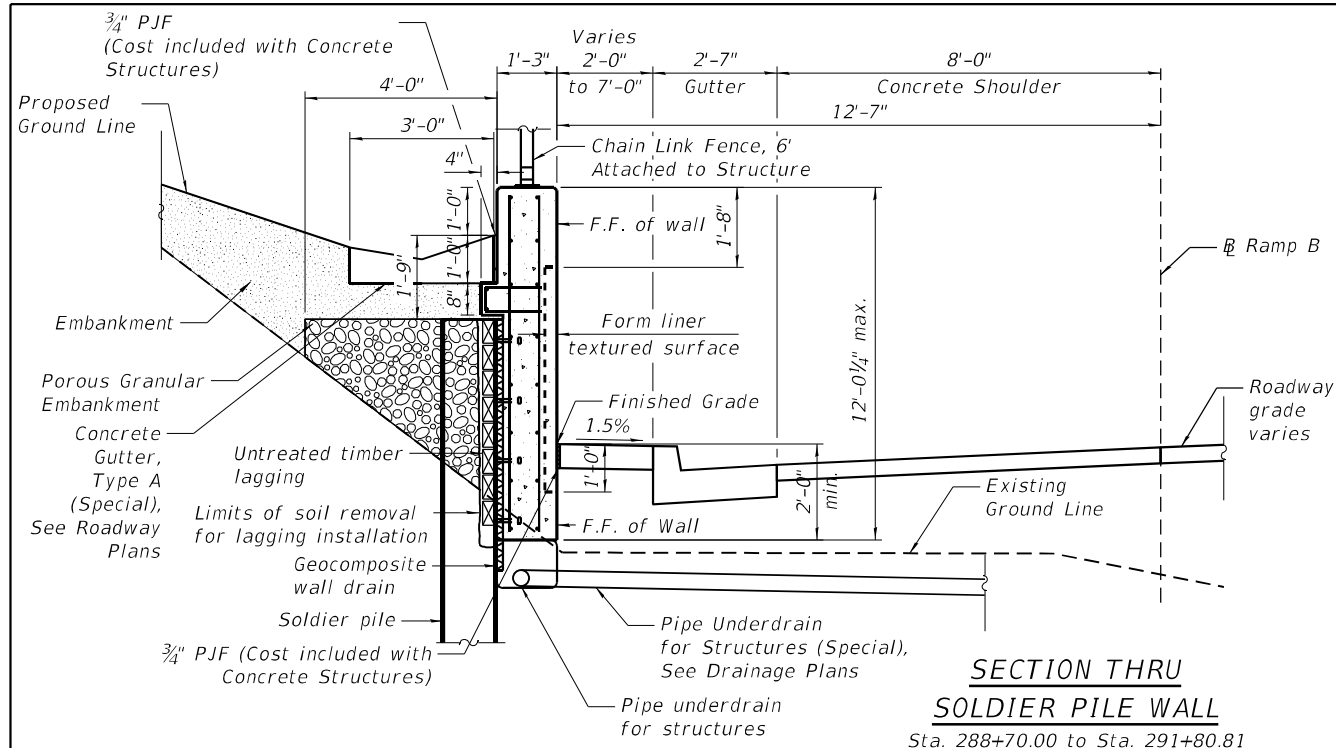
PILE SCHEDULE 1

Pile Number	Pile Type	Station (Ramp B)	Station (Main St)	Offset	Top of Pile Elevation	Pile Tip Elevation	Estimated Top of Rock Elevation	Estimated Pile Length	Number of Studs per Pile
1	HP 12x63	288+74.17		14.32' Lt.	492.84	464.84		28'-0"	8
2	HP 12x63	288+82.50		14.32' Lt.	493.03	465.03		28'-0"	8
3	HP 12x63	288+90.83		14.32' Lt.	493.22	465.22		28'-0"	8
4	HP 12x63	288+99.17		14.32' Lt.	493.40	465.40		28'-0"	8
5	HP 12x63	289+07.50		14.32' Lt.	493.59	465.59		28'-0"	8
6	HP 12x63	289+15.83		14.32' Lt.	493.78	465.78		28'-0"	8
7	HP 12x63	289+24.17		14.32' Lt.	493.96	465.96		28'-0"	8
8	HP 12x63	289+32.50		14.32' Lt.	494.15	466.15		28'-0"	10
9	HP 12x63	289+40.83		14.32' Lt.	494.34	466.34		28'-0"	10
10	HP 12x63	289+49.17		14.32' Lt.	494.52	466.52		28'-0"	10
11	HP 12x63	289+57.50		14.32' Lt.	494.71	466.71		28'-0"	10
12	HP 12x63	289+65.83		14.32' Lt.	494.89	466.89		28'-0"	10
13	HP 12x63	289+74.17		14.32' Lt.	495.08	467.08		28'-0"	12
14	HP 12x63	289+82.50		14.32' Lt.	495.27	467.27		28'-0"	12
15	HP 12x63	289+90.83		14.32' Lt.	495.45	467.45		28'-0"	12
16	HP 14x89	289+98.75		14.42' Lt.	495.63	460.63		35'-0"	14
17	HP 14x89	290+06.25		14.42' Lt.	495.80	460.80		35'-0"	14
18	HP 14x89	290+13.75		14.42' Lt.	495.97	460.97		35'-0"	14
19	HP 14x89	290+21.25		14.42' Lt.	496.13	461.13		35'-0"	14
20	HP 14x89	290+28.75		14.42' Lt.	496.30	461.30		35'-0"	14
21	HP 14x89	290+36.25		14.42' Lt.	496.47	461.47		35'-0"	14
22	HP 14x89	290+43.75		14.42' Lt.	496.64	461.64		35'-0"	16
23	HP 14x89	290+51.25		14.42' Lt.	496.81	461.81		35'-0"	16
24	HP 14x89	290+56.31		14.42' Lt.	496.84	461.84		35'-0"	16
25	HP 14x89	290+63.81		14.42' Lt.	496.58	461.58		35'-0"	16
26	HP 14x89	290+70.37		14.42' Lt.	496.35	461.35		35'-0"	16
27	HP 14x89	290+76.50		14.42' Lt.	496.14	461.14		35'-0"	14
28	HP 14x89	290+82.62		14.42' Lt.	495.93	460.93		35'-0"	14
29	HP 14x89	290+88.75		14.42' Lt.	495.71	460.71		35'-0"	14
30	HP 14x89	290+96.25		14.42' Lt.	495.45	460.45		35'-0"	14
31	HP 14x89	291+03.75		14.42' Lt.	495.19	460.19		35'-0"	14
32	HP 14x89	291+11.25		14.42' Lt.	494.93	459.93		35'-0"	14
33	HP 14x89	291+18.97		14.42' Lt.	494.67	459.67		35'-0"	12
34	HP 14x89	291+26.99		14.42' Lt.	494.40	459.40		35'-0"	12
35	HP 14x89	291+32.52		14.42' Lt.	494.22	459.22		35'-0"	12
36	HP 14x89	291+38.02		14.42' Lt.	494.04	459.04		35'-0"	12
37	HP 14x89	291+41.81		14.80' Lt.	493.90	458.90		35'-0"	12
38	HP 14x89	291+49.69		16.23' Lt.	493.89	458.89		35'-0"	12
39	HP 14x89	291+57.67		17.42' Lt.	494.21	459.21		35'-0"	12
40	HP 14x89	291+65.72		18.36' Lt.	494.53	459.53		35'-0"	12
41	HP 14x89	291+74.29		19.07' Lt.	494.87	459.87		35'-0"	12
42	HP 14x89	291+82.43		19.42' Lt.	495.18	460.18		35'-0"	12
43	HP 14x89	291+90.63		19.42' Lt.	495.50	460.50		35'-0"	12
44	HP 14x89	291+98.82		19.42' Lt.	495.83	460.83		35'-0"	14
45	HP 14x89	292+07.02		19.42' Lt.	496.15	461.15		35'-0"	14
46	HP 14x89	292+15.18		19.42' Lt.	496.47	461.47		35'-0"	14
47	HP 14x89	292+23.33		19.42' Lt.	496.79	461.79		35'-0"	14
48	HP 14x89	292+31.48		19.42' Lt.	497.12	462.12		35'-0"	14
49	HP 14x89	292+39.64		19.42' Lt.	497.44	462.44		35'-0"	14
50	HP 14x89	292+45.95		19.42' Lt.	497.69	462.69		35'-0"	14
51	HP 14x89	292+54.24		19.42' Lt.	498.01	463.01		35'-0"	14
52	HP 14x89	292+61.26		19.42' Lt.	498.30	463.30		35'-0"	16
53	HP 14x89	292+69.26		19.42' Lt.	498.64	463.64		35'-0"	16
54	HP 14x89	292+73.42		19.42' Lt.	498.81	463.81		35'-0"	16
55	HP 14x89	292+77.92		19.42' Lt.	498.99	463.99		35'-0"	16
56	HP 14x89	292+85.42		19.42' Lt.	499.31	464.31		35'-0"	16
57	HP 14x89	292+92.92		19.42' Lt.	499.63	464.63		35'-0"	16
58	HP 14x89	293+00.42		19.42' Lt.	499.95	464.95		35'-0"	16
59	HP 14x89	293+07.92		19.42' Lt.	500.09	465.09		35'-0"	16
60	HP 14x89	293+15.42		19.42' Lt.	500.05	465.05		35'-0"	16
61	HP 14x89	293+22.92		19.42' Lt.	500.01	465.01		35'-0"	16
62	HP 14x89	293+30.42		19.42' Lt.	499.98	464.98		35'-0"	16
63	HP 14x89	293+37.92		19.42' Lt.	499.71	464.71		35'-0"	16
64	HP 14x89	293+45.42		19.42' Lt.	499.22	464.22		35'-0"	16
65	HP 14x89	293+52.92		19.42' Lt.	498.73	463.73		35'-0"	14

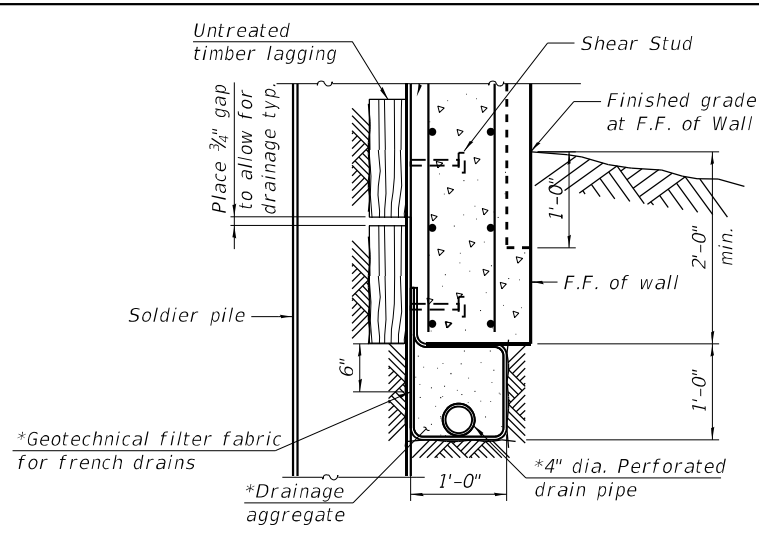
PILE SCHEDULE 2

Pile Number	Pile Type	Station (Ramp B)	Station (Main St)	Offset	Top of Pile Elevation	Pile Tip Elevation	Estimated Top of Rock Elevation	Estimated Pile Length	Number of Studs per Pile
66	HP 14x89	293+60.42		19.42' Lt.	498.25	463.25		35'-0"	14
67	HP 16x121	293+68.34		19.42' Lt.	498.17	460.17		38'-0"	14
68	HP 16x121	293+76.67		19.42' Lt.	498.50	460.50		38'-0"	14
69	HP 16x121	293+85.01		19.42' Lt.	498.83	460.83		38'-0"	14
70	HP 16x121	293+92.92		19.42' Lt.	499.15	461.15		38'-0"	14
71	HP 16x121	294+00.42		19.42' Lt.	499.44	461.44		38'-0"	14
72	HP 16x121	294+07.92		19.42' Lt.	499.74	461.74		38'-0"	16
73	HP 16x121	294+15.42		19.42' Lt.	500.04	462.04		38'-0"	16
74	HP 16x121	294+22.92		19.42' Lt.	500.34	462.34		38'-0"	16
75	HP 16x121	294+30.42		19.42' Lt.	500.64	462.64		38'-0"	16
76	HP 16x121	294+37.92		19.42' Lt.	500.94	462.94		38'-0"	16
77	HP 16x121	294+45.42		19.42' Lt.	501.24	463.24		38'-0"	16
78	HP 16x121	294+52.92		19.42' Lt.	501.54	463.54		38'-0"	18
79	HP 16x121	294+60.42		19.42' Lt.	501.66	463.66		38'-0"	18
80	HP 16x121	294+67.92		19.42' Lt.	501.74	463.74		38'-0"	18
81	HP 16x121	294+75.42		19.42' Lt.	501.83	463.83		38'-0"	18
82	HP 16x121	294+82.92		19.42' Lt.	501.91	463.91		38'-0"	18
83	HP 16x121	294+90.42		19.42' Lt.	501.99	463.99		38'-0"	18
84	HP 16x121	294+97.92		19.42' Lt.	502.08	464.08		38'-0"	18
85	HP 16x121	295+05.42		19.42' Lt.	502.16	464.16		38'-0"	18
86	HP 16x121		115+29.37	64.48' Lt.	502.24	464.24		38'-0"	18
87	HP 16x121		115+36.86	64.32' Lt.	502.33	464.33		38'-0"	18
88	HP 16x121		115+44.36	64.17' Lt.	502.42	464.42		38'-0"	18
89	HP 16x121		115+51.86	64.01' Lt.	502.50	464.50		38'-0"	18
90	HP 16x121		115+59.36	63.86' Lt.	502.59	464.59		38'-0"	18
91	HP 16x121		115+66.86	63.71' Lt.	502.67	464.67		38'-0"	18
92	HP 16x121		115+74.36	63.55' Lt.	502.76	464.76		38'-0"	18
93	HP 16x121		115+81.85	63.40' Lt.	502.84	464.84		38'-0"	18
94	HP 16x121		115+89.35	63.24' Lt.	502.93	464.93		38'-0"	18
95	HP 16x121		115+96.85	63.09' Lt.	502.74	464.74		38'-0"	18
96	HP 16x121		116+04.35	62.93' Lt.	502.51	464.51		38'-0"	18
97	HP 16x121		116+11.85	62.78' Lt.	502.27	464.27		38'-0"	18
98	HP 16x121		116+19.76	62.62' Lt.	502.02	464.02		38'-0"	16
99	HP 16x121		116+28.09	62.45' Lt.	501.76	463.76		38'-0"	16
100	HP 16x121		116+36.43	62.28' Lt.	501.49	463.49		38'-0"	16
101	HP 16x121		116+44.76	62.10' Lt.	501.23	463.23		38'-0"	16
102	HP 16x121		116+53.09	61.93' Lt.	500.97	462.97		38'-0"	16
103	HP 16x121		116+61.42	61.76' Lt.	500.70	462.70		38'-0"	16
104	HP 16x121		116+69.75	61.59' Lt.	500.44	462.44		38'-0"	14
105	HP 16x121		116+78.08	61.42' Lt.	500.18	462.18		38'-0"	14
106	HP 16x121		116+86.42	61.25' Lt.	499.92	461.92		38'-0"	14
107	HP 16x121		116+94.75	61.08' Lt.	499.65	461.65		38'-0"	14
108	HP 16x121		117+03.08	60.91' Lt.	499.39	461.39		38'-0"	14
109	HP 16x121		117+11.41	60.73' Lt.	499.13	461.13		38'-0"	14
110	HP 16x121		117+19.74	60.56' Lt.	498.95	460.95		38'-0"	12
111	HP 16x121		117+28.07	60.39' Lt.	498.86	460.86		38'-0"	12
112	HP 16x121		117+36.40	60.22' Lt.	498.77	460.77		38'-0"	12
113	HP 12x63		117+44.32	59.97' Lt.	498.69	470.69		28'-0"	12
114	HP 12x63		117+51.82	59.81' Lt.	498.61	470.61		28'-0"	12
115	HP 12x63		117+59.31	59.66' Lt.	498.53	470.53		28'-0"	12
116	HP 12x63		117+66.81	59.50' Lt.	498.45	470.45		28'-0"	12
117	HP 12x63		117+74.31	59.35' Lt.	498.37	470.37		28'-0"	12
118	HP 12x63		117+81.81	59.20' Lt.	498.29	470.29		28'-0"	12
119	HP 12x63		117+89.31	59.04' Lt.	498.21	470.21		28'-0"	12
120	HP 12x63		117+96.81	58.89' Lt.	498.14	470.14		28'-0"	12
121	HP 12x63		118+04.31	58.73' Lt.	498.06	470.06		28'-0"	12
122	HP 12x63		118+11.80	58.58' Lt.	497.98	469.98		28'-0"	12
123	HP 12x63		118+19.30	58.43' Lt.	497.90	469.90		28'-0"	12
124	HP 12x63		118+26.80	58.27' Lt.	497.82	469.82		28'-0"	12
125	HP 12x63	</							



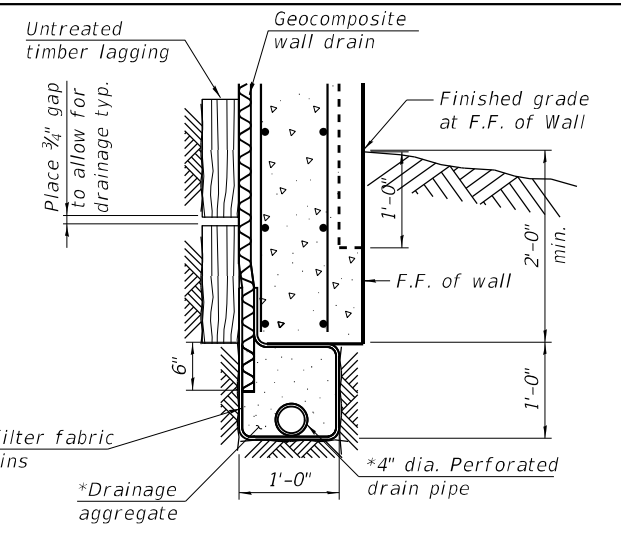


**SECTION THRU  
SOLDIER PILE WALL**  
Sta. 288+70.00 to Sta. 291+80.81

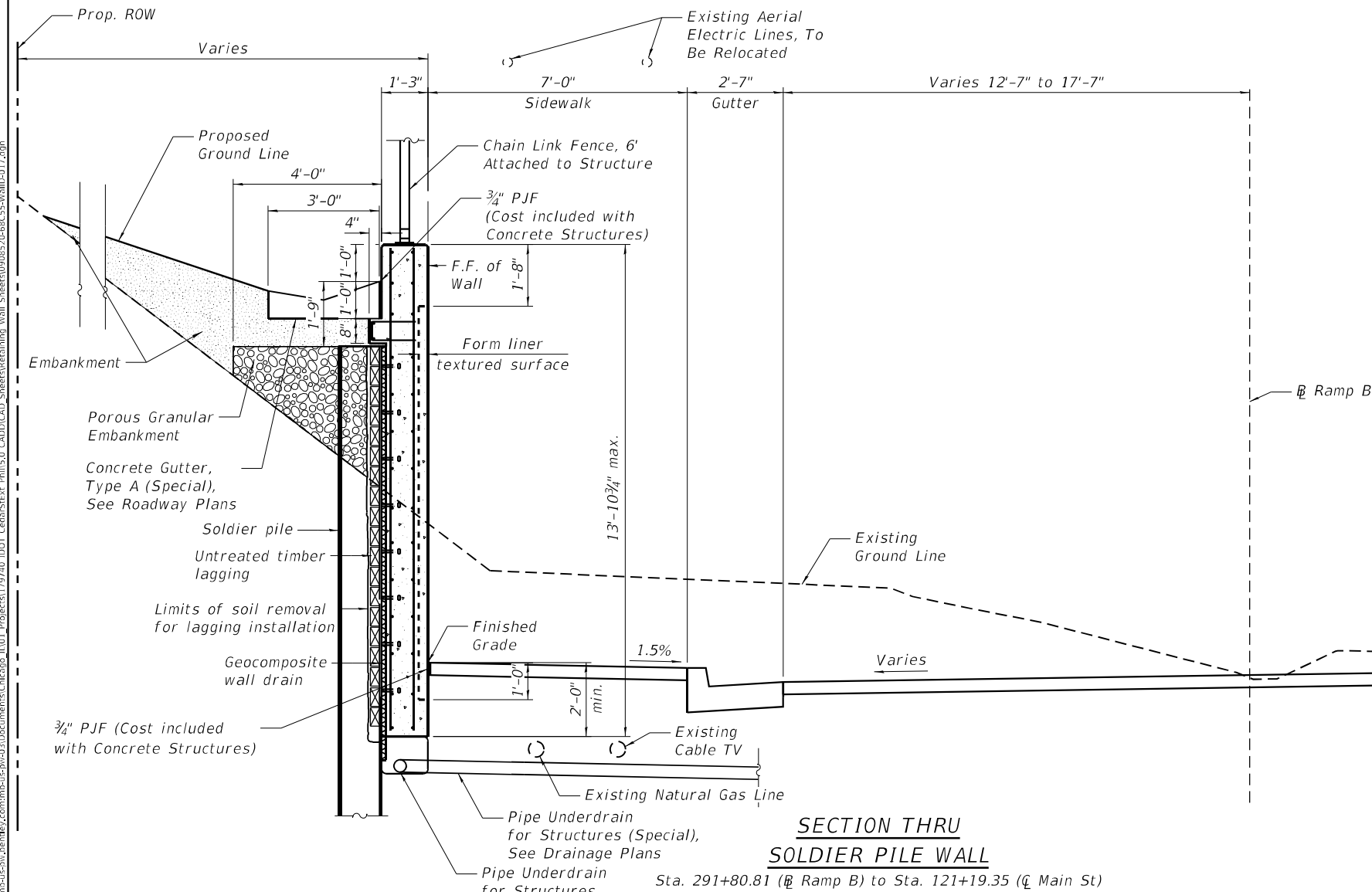


**PIPE UNDERDRAIN DETAIL  
AT SOLDIER PILE**

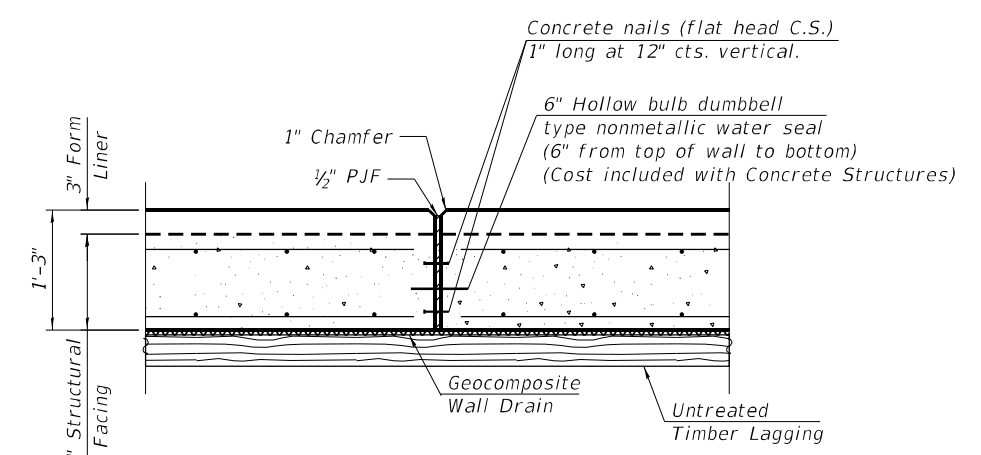
\*Included in the cost of  
Pipe Underdrains for Structures, 4"



**PIPE UNDERDRAIN DETAIL  
BETWEEN SOLDIER PILES**

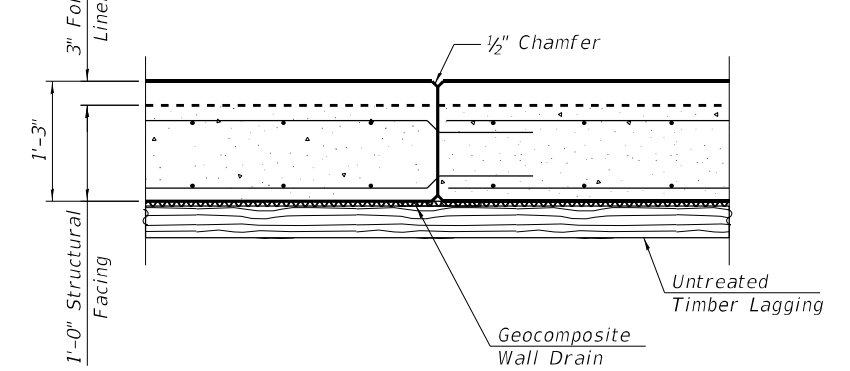


**SECTION THRU  
SOLDIER PILE WALL**  
Sta. 291+80.81 (Ramp B) to Sta. 121+19.35 (Main St)



**EXPANSION JOINT DETAILS**

Joint between soldier pile facing and drainage structure similar



**CONSTRUCTION JOINT DETAILS**

MODEL: Default  
 FILE: NAME: p:\projects\090-8520\Drawings\Cross Sections and Details\Cross Sections and Details 1.dwg  
 PROJECT: 090-8520  
 SHEET: 54-17 OF 54-29 SHEETS  
 DATE: 6/6/2023

**Michael Baker INTERNATIONAL**  
 200 W Adams Street  
 Suite 1500  
 Chicago, IL 60606  
 Tel: 312.207.8910  
 Fax: 312.207.8954

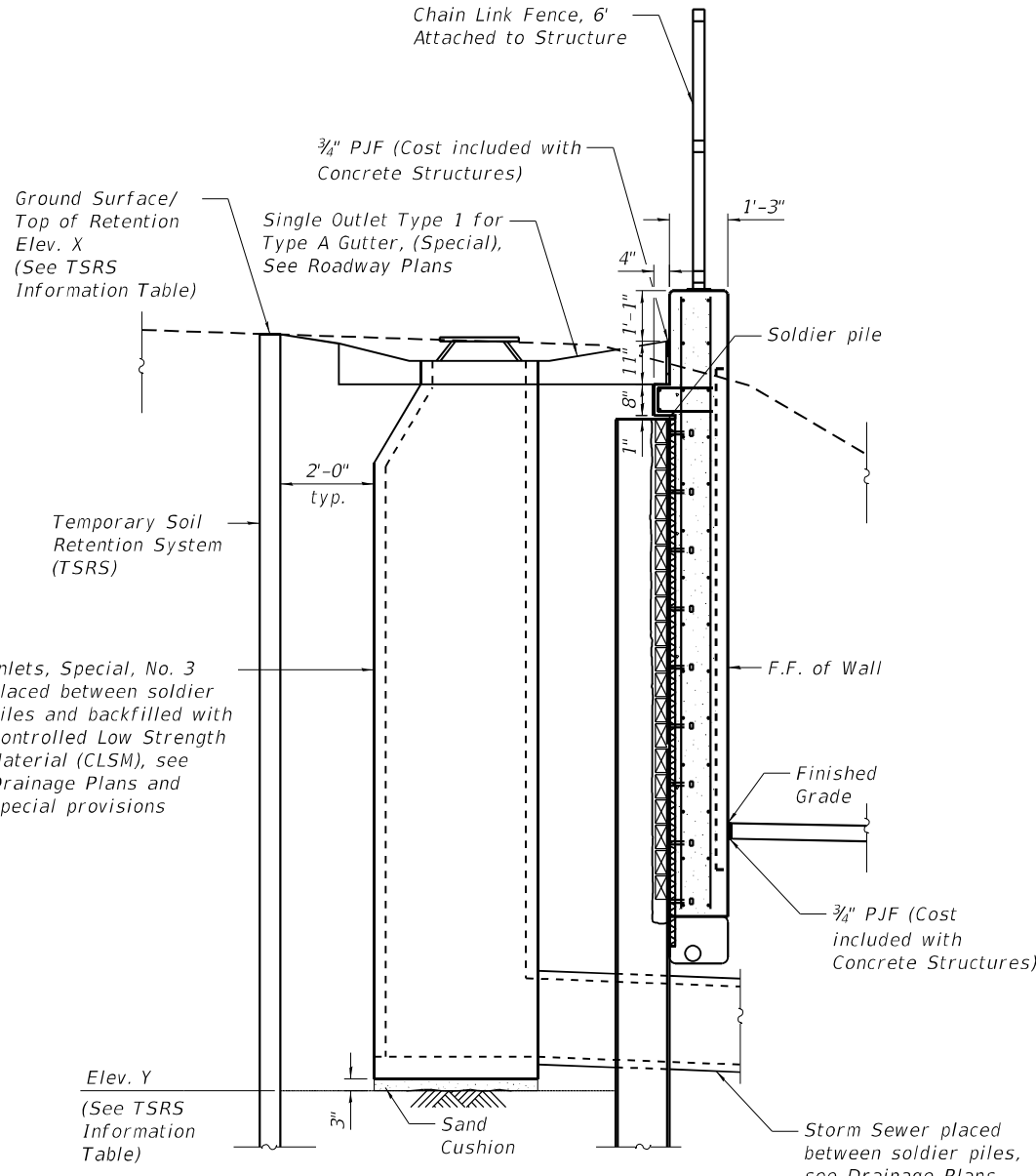
USER NAME = DLamb	DESIGNED - YC	REVISIONS -
	CHECKED - JMK	REVISIONS -
PLOT SCALE = 0.1667' / in.	DRAWN - EML	REVISIONS -
PLOT DATE = 6/6/2023	CHECKED - JMK	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS AND DETAILS 1  
STRUCTURE NO. 090-8520**

SHEET 54-17 OF 54-29 SHEETS

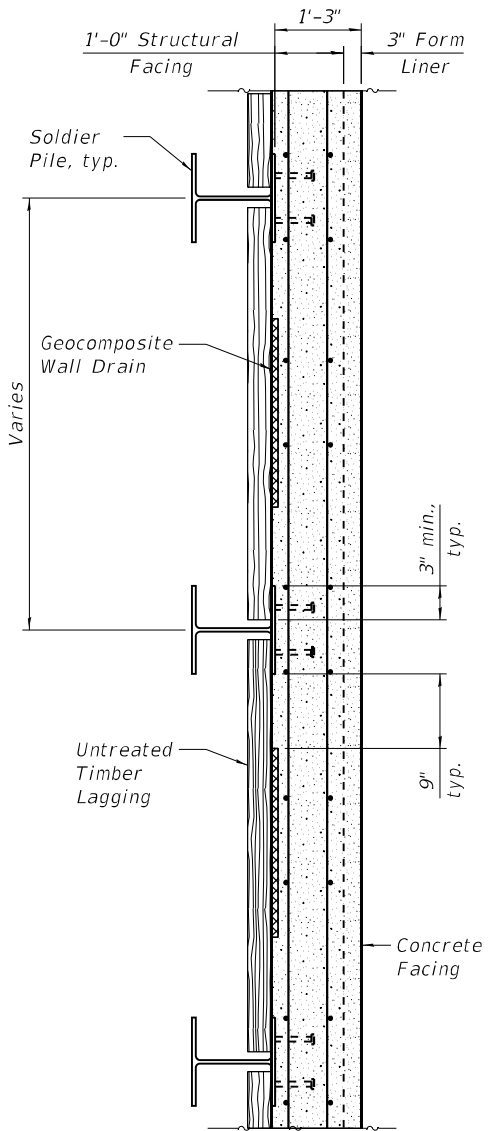
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	822
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				



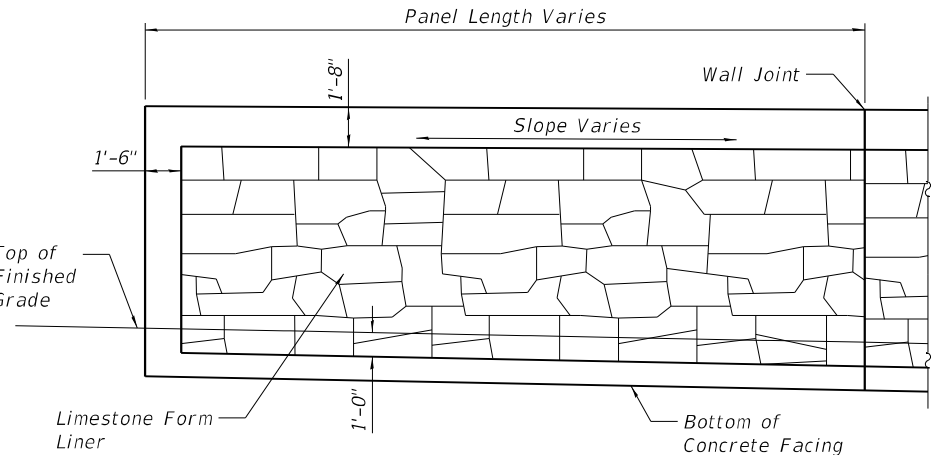
**SECTION THRU SOLDIER PILE WALL**  
At Inlets, Special No. 3  
(Similar for Inlets, Special No. 1, at Sta. 290+60.06 but with Concrete Gutter, Type A, Special)

**SUGGESTED SEQUENCE OF CONSTRUCTION AT DRAINAGE INLET**

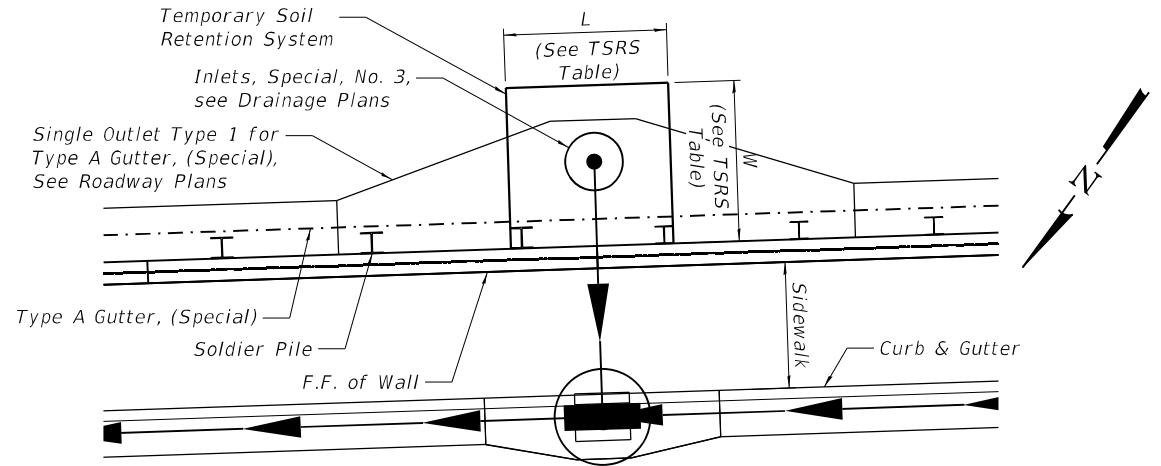
1. Drive soldier piles.
2. Construct temporary soil retention system (TSRS) behind soldier pile wall.
3. Install timber lagging and excavate in front of wall.
4. Install TSRS and excavate behind wall for drainage inlet installation.
5. Install Storm Sewer and Drainage Inlet. See Drainage Plans.
6. Install geocomposite wall drain.
7. Install stud shear connectors.
8. Contractor to assess whether braced excavation can be re-used or shall be left in place.
9. Backfill in front of wall.
10. Provide Controlled Low-Strength Material (CLSM) backfill behind wall. Cost of CLSM included with Inlets, Special, No. 3. See special provisions.
11. Construct concrete facing.



**HORIZONTAL SECTION THRU SOLDIER PILE WALL**



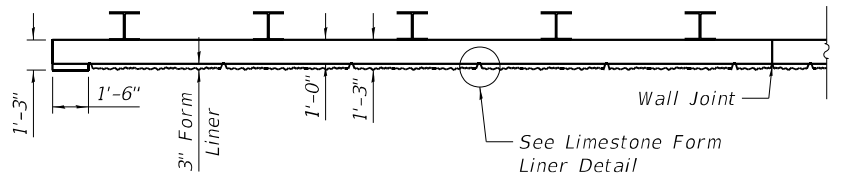
**LIMESTONE FORM LINER ELEVATION**



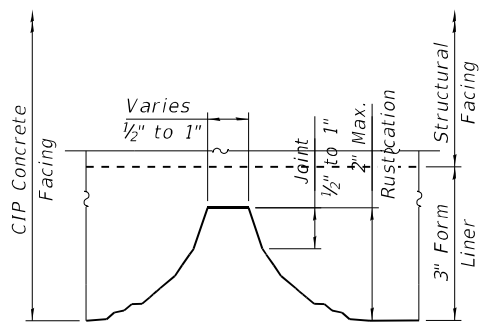
**TEMPORARY SOIL RETENTION SYSTEM PLAN VIEW - TYPICAL**

Station	Elev. X	Elev. Y	Z	L	W
290+60.06	498.61	481.46	17'-2"	9'-11"	9'-6"
291+45.34	493.63	483.18	10'-6"	9'-11"	8'-4"
293+64.17	502.49	484.42	18'-1"	10'-6"	9'-6"
117+40.65	501.25	487.76	13'-6"	10'-6"	8'-4"
118+30.64	499.74	486.20	13'-6"	9'-6"	8'-4"
119+20.62	497.98	485.61	12'-4"	8'-3"	8'-4"

**TEMPORARY SOIL RETENTION SYSTEM (TSRS) INFORMATION TABLE**



**LIMESTONE FORM LINER PLAN**



**LIMESTONE FORM LINER DETAIL**

MODEL: Default  
 FILE: NAME: p:\mbs\busch\bander\combus-us-pw\03\Documents\Chicago\_11\01\_Projects\179140\_IDOT\_Centers\Ext\_Plan\5.0\_CADD\CAD\_Sheets\Retaining\_Wall\_Sheets\090852\68C55-Wall-01.DWG  
 PROJECT: 179140\_IDOT\_Centers\Ext\_Plan\5.0\_CADD\CAD\_Sheets\Retaining\_Wall\_Sheets\090852\68C55-Wall-01.DWG

**Michael Baker INTERNATIONAL**  
 200 W Adams Street  
 Suite 1500  
 Chicago, IL 60606  
 PH: 312.707.8910  
 FAX: 312.707.8954

USER NAME = DLamb	DESIGNED - YC	REVISED -
	CHECKED - JMK	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - EML	REVISED -
PLOT DATE = 6/6/2023	CHECKED - JMK	REVISED -

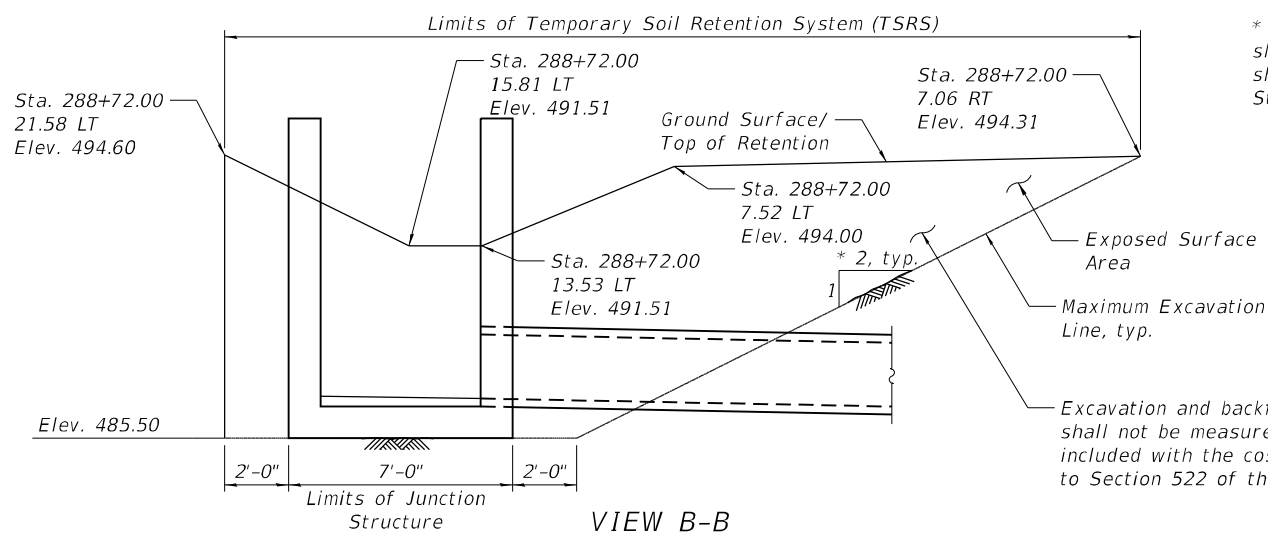
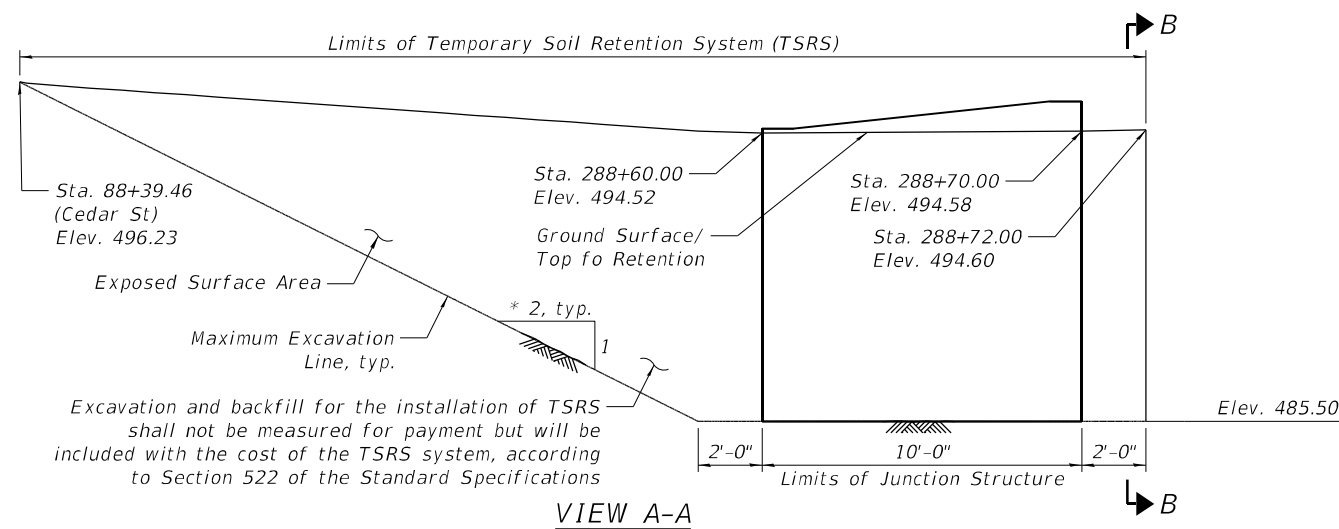
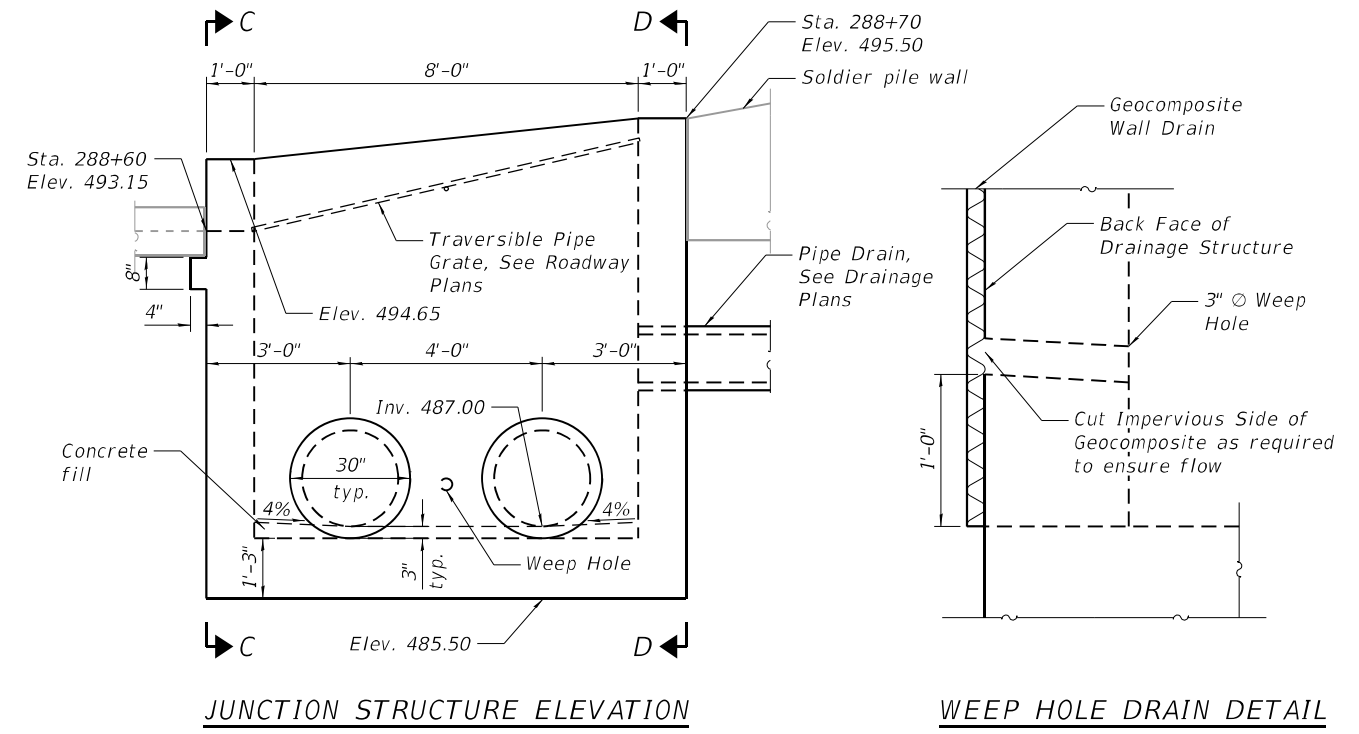
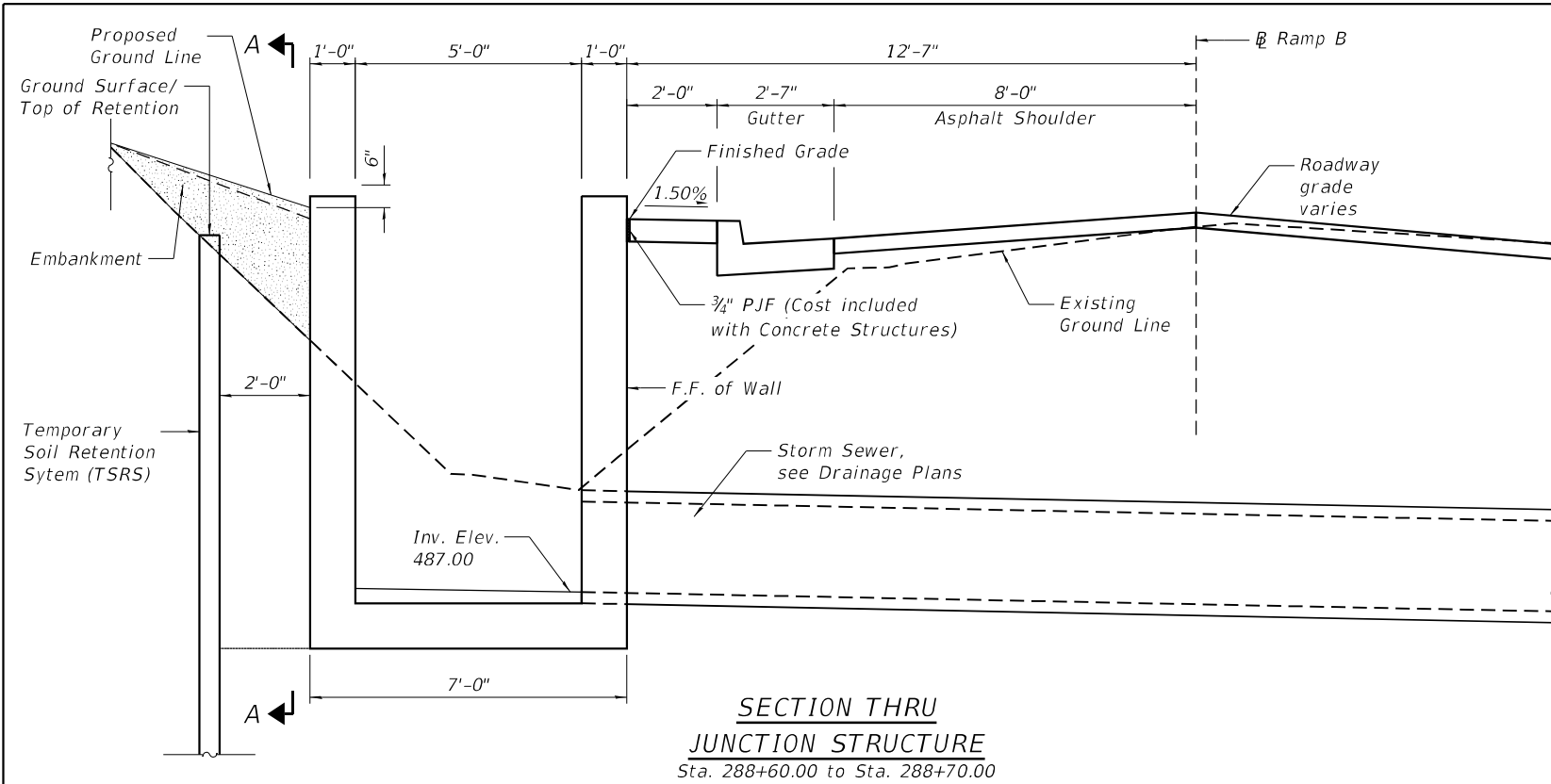
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS AND DETAILS 2  
STRUCTURE NO. 090-8520**

SHEET 54-18 OF 54-29 SHEETS

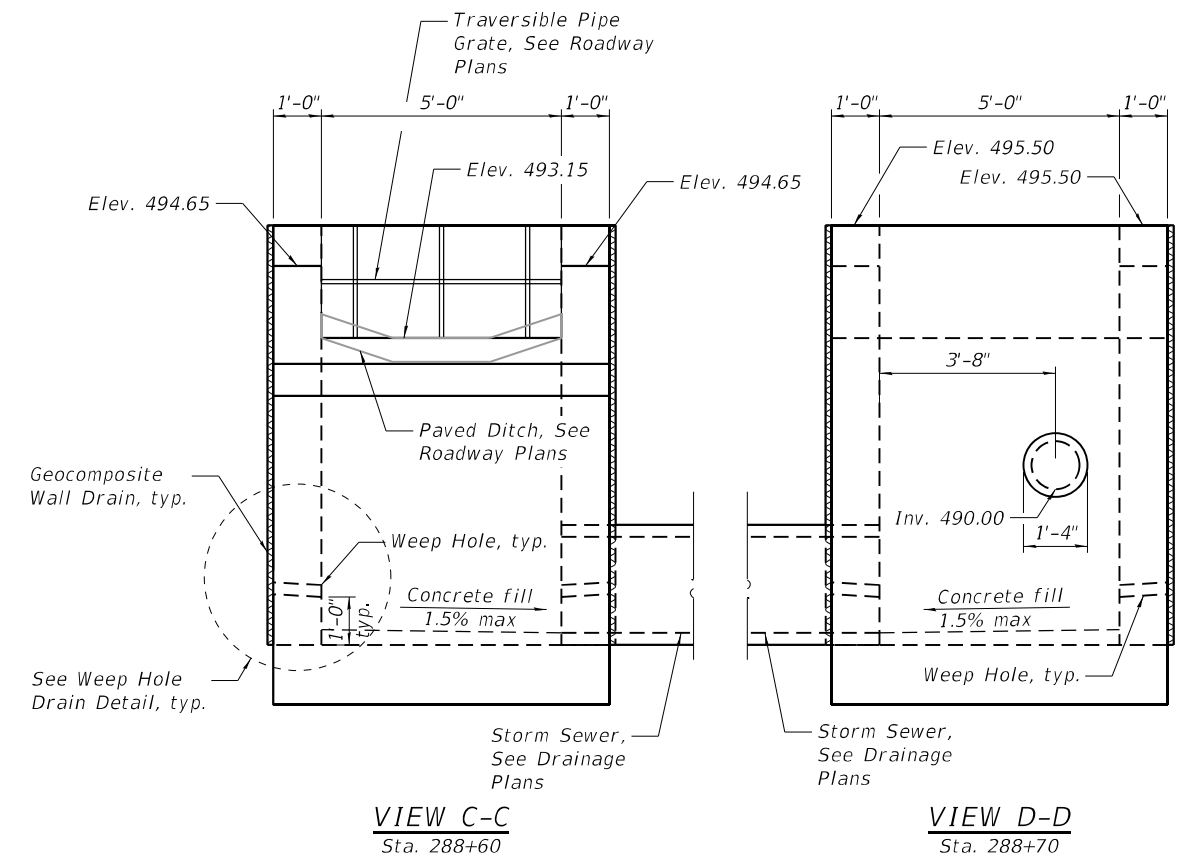
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	823
CONTRACT NO. 68C55				

ILLINOIS FED. AID PROJECT



\* Excavations should be sloped at no steeper than shown, according to the Structure Geotechnical Report

Excavation and backfill for the installation of TSRS shall not be measured for payment but will be included with the cost of the TSRS system, according to Section 522 of the Standard Specifications



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**Michael Baker INTERNATIONAL**  
200 W Adams Street  
Suite 1500  
Chicago, IL 60606  
Tel: 312.707.8970  
Fax: 312.707.8854

USER NAME = DLamb	DESIGNED - AWM	REVISED -
	CHECKED - JMK	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN - EML	REVISED -
PLOT DATE = 6/6/2023	CHECKED - JMK	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**JUNCTION STRUCTURE DETAILS 1  
STRUCTURE NO. 090-8520**

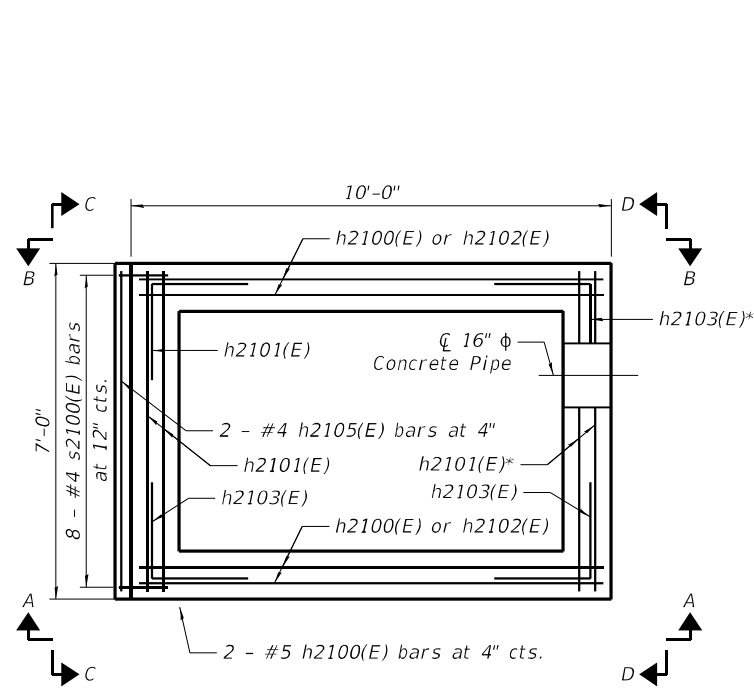
SHEET 54-19 OF 54-29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
669	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	824
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				



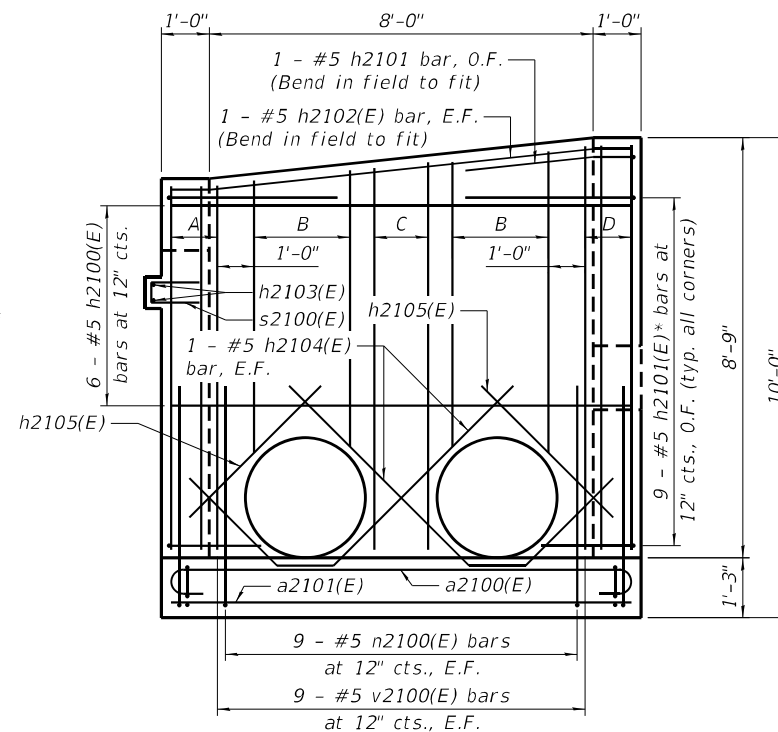
**JUNCTION CHAMBER BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a2100(E)	8	6	11'-0"	
a2100(E)	8	6	9'-8"	
b2100(E)	11	6	8'-0"	
b2100(E)	11	6	6'-8"	
h2100(E)	34	5	9'-8"	
h2101(E)	38	5	6'-10"	
h2102(E)	4	5	9'-10"	
h2103(E)	40	5	6'-8"	
h2104(E)	4	5	10'-0"	
h2105(E)	4	5	5'-2"	
h2106(E)	8	5	2'-5"	
n2100(E)	68	5	3'-8"	
s2100(E)	8	5	2'-5"	
v2100(E)	20	5	7'-6"	
v2101(E)	12	5	6'-3"	
v2102(E)	4	5	8'-0"	
v2103(E)	20	5	8'-5"	
v2104(E)	9	5	16'-7"	
Concrete Structures			Cu Yd	10.7
Reinforcement Bars, Epoxy Coated			Pound	2,390



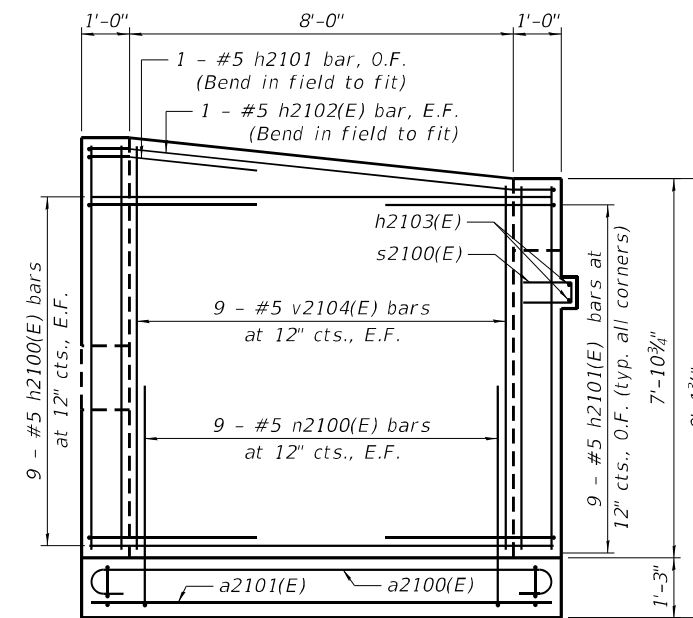
**TOP PLAN**

\* Cut bars as required to clear opening

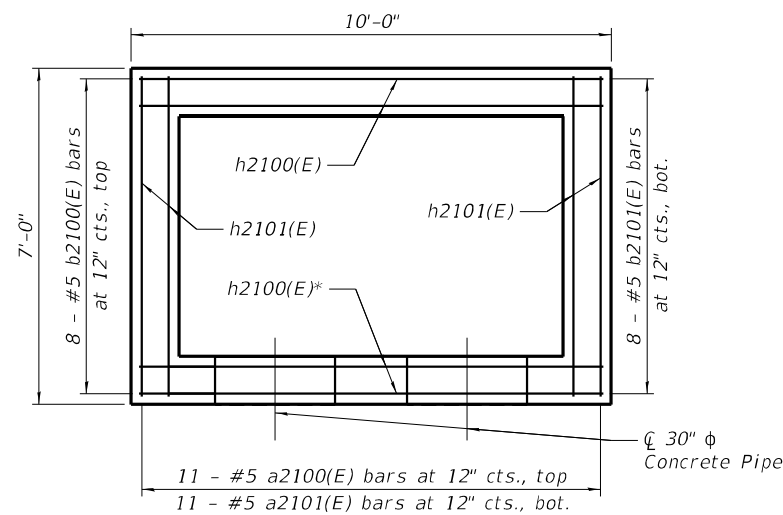


**VIEW A-A**

A = 2 - #5 v2100(E) bars at 12" cts., E.F.  
 B = 3 - #5 v2101(E)\* bars at 12" cts., E.F.  
 C = 2 - #5 v2102(E) bars at 12" cts., E.F.  
 D = 2 - #5 v2103(E) bars at 12" cts., E.F.  
 \* Cut bars as required to clear opening

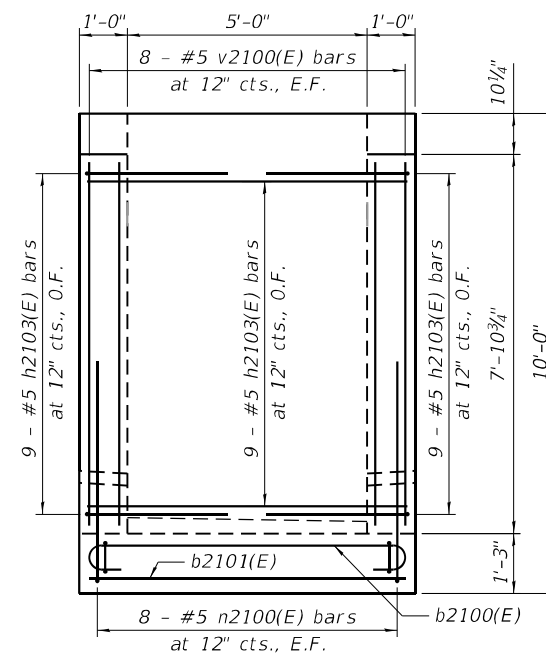


**VIEW B-B**

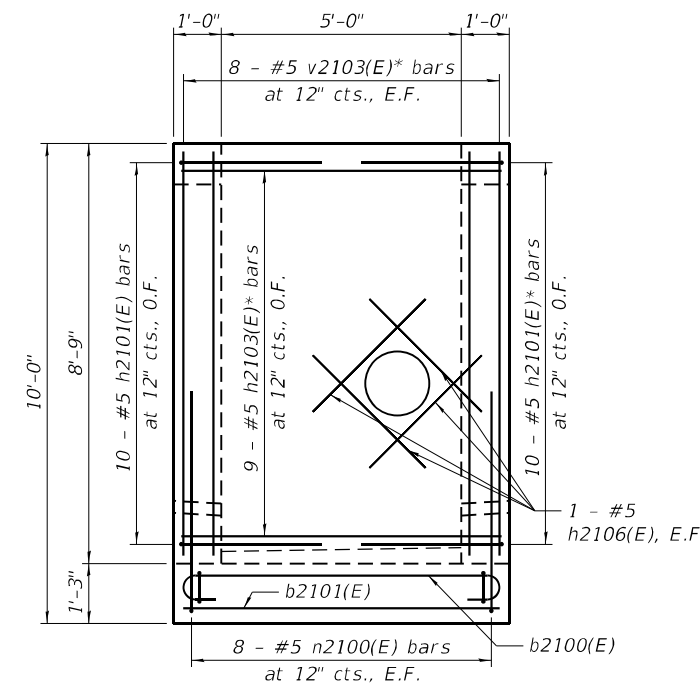


**BOTTOM PLAN**

\* Cut bars as required to clear opening



**VIEW C-C**

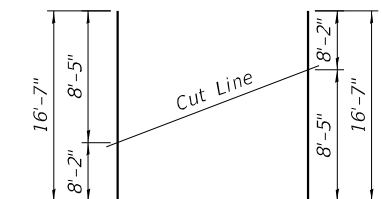


**VIEW D-D**

\* Cut bars as required to clear opening

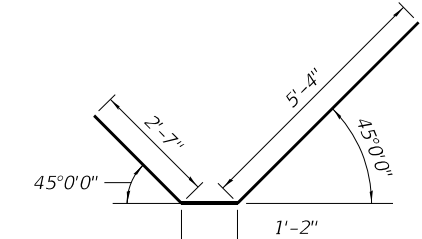
**LEGEND**

E.F. = Each Face  
 O.F. = Outside Face  
 I.F. = Inside Face

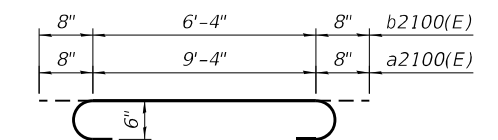


**Bar v2104(E)**

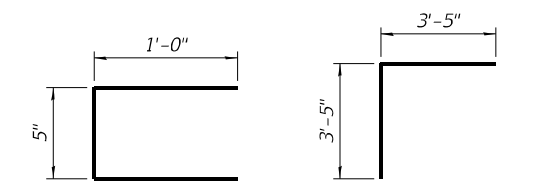
Make all cuts normal to bar axis.



**Bar v2104(E)**



**Bars a2100(E) and b2100(E)**



**Bar s2100(E)**

**Bar h2101(E)**

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 CHECKED - JMK  
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 DRAWN - MDA  
 PLOT DATE = 6/6/2023  
 CHECKED - KPS

DESIGNED - AWM  
 CHECKED - JMK  
 DRAWN - MDA  
 CHECKED - KPS

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

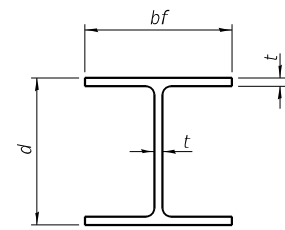
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**JUNCTION STRUCTURE DETAILS 2  
 STRUCTURE NO. 090-8520**

SHEET 54-20 OF 54-29 SHEETS

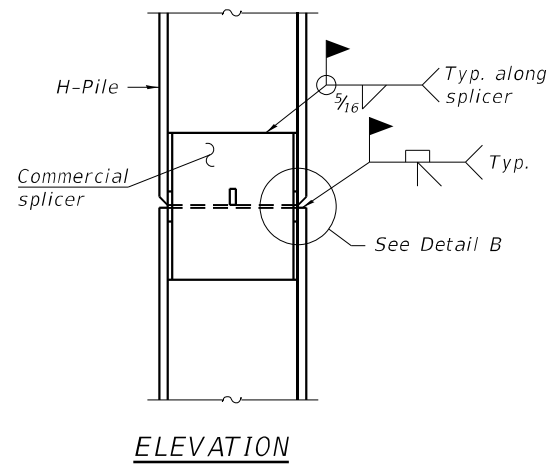
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	825
CONTRACT NO. 68C55				

ILLINOIS FED. AID PROJECT

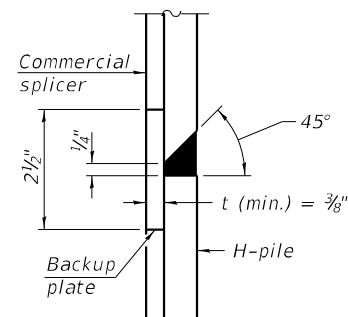


**STEEL PILE TABLE**

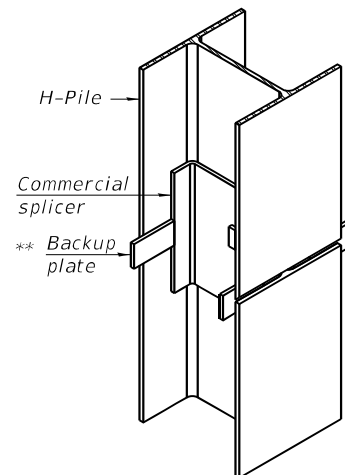
Designation	Depth d	Flange Width bf	Web and Flange Thickness t
HP 16x121	15 3/4"	15 7/8"	3/4"
HP 14x89	13 7/8"	14 3/4"	5/8"
HP 12x63	12"	12 1/8"	1/2"



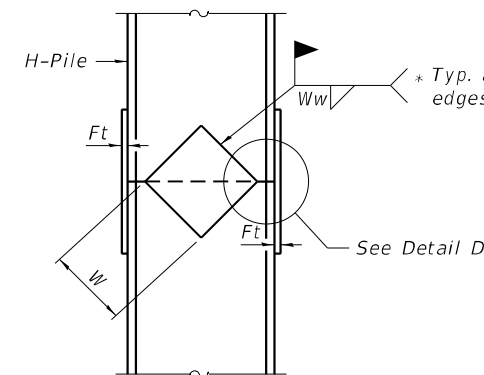
**ELEVATION**



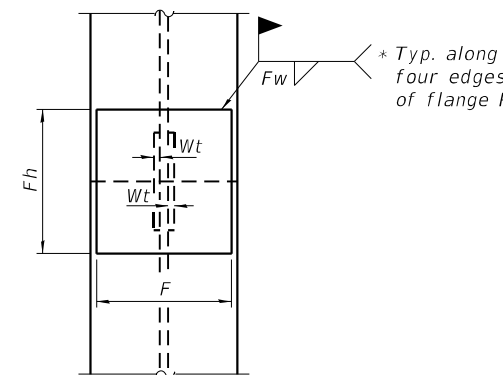
**DETAIL "B"**



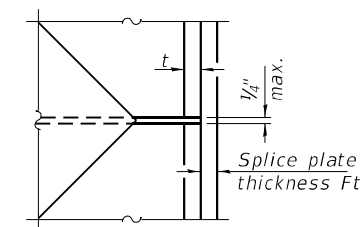
**ISOMETRIC VIEW**



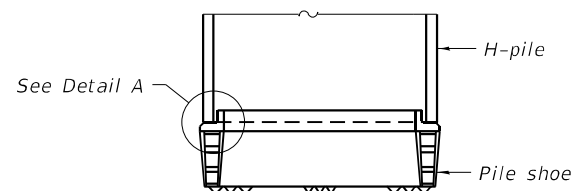
**ELEVATION**



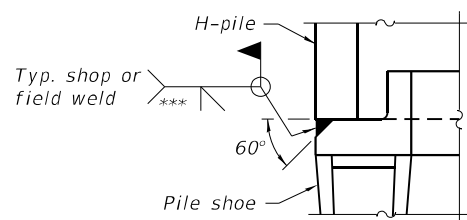
**END VIEW**



**DETAIL D**

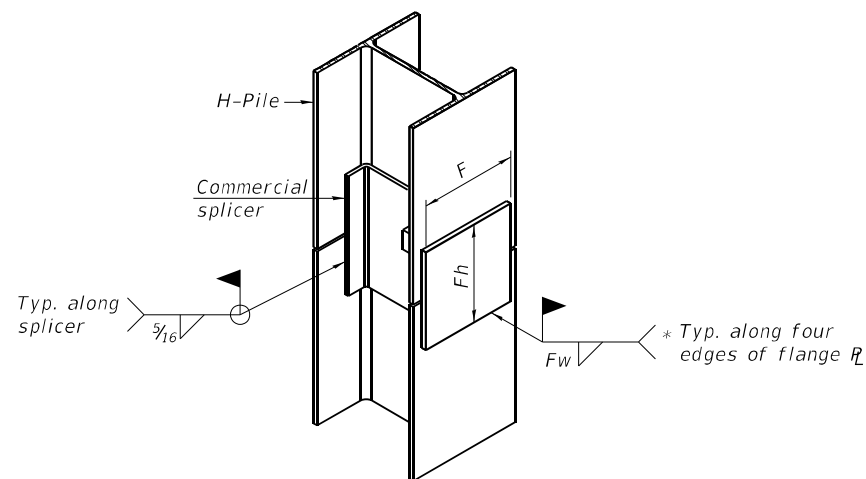


**ELEVATION**



**DETAIL A**

**SHOE ATTACHMENT**



**ISOMETRIC VIEW**

**WELDED COMMERCIAL SPLICE ALTERNATE**

- \* Interrupt welds 1/4" from end of web and/or each flange.
- \*\* Remove portions of backup plates that extend outside the flanges.
- \*\*\* Weld size per pile shoe manufacturer (3/16" min.).

Designation	F	Fh	Ft	Fw	W	Wt	Ww
HP 16x121	13 3/4"	18"	1 1/8"	3/4"	8"	3/4"	5/8"
HP 14x89	12 1/2"	10"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
HP 12x63	10"	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"

**WELDED PLATE FIELD SPLICE**

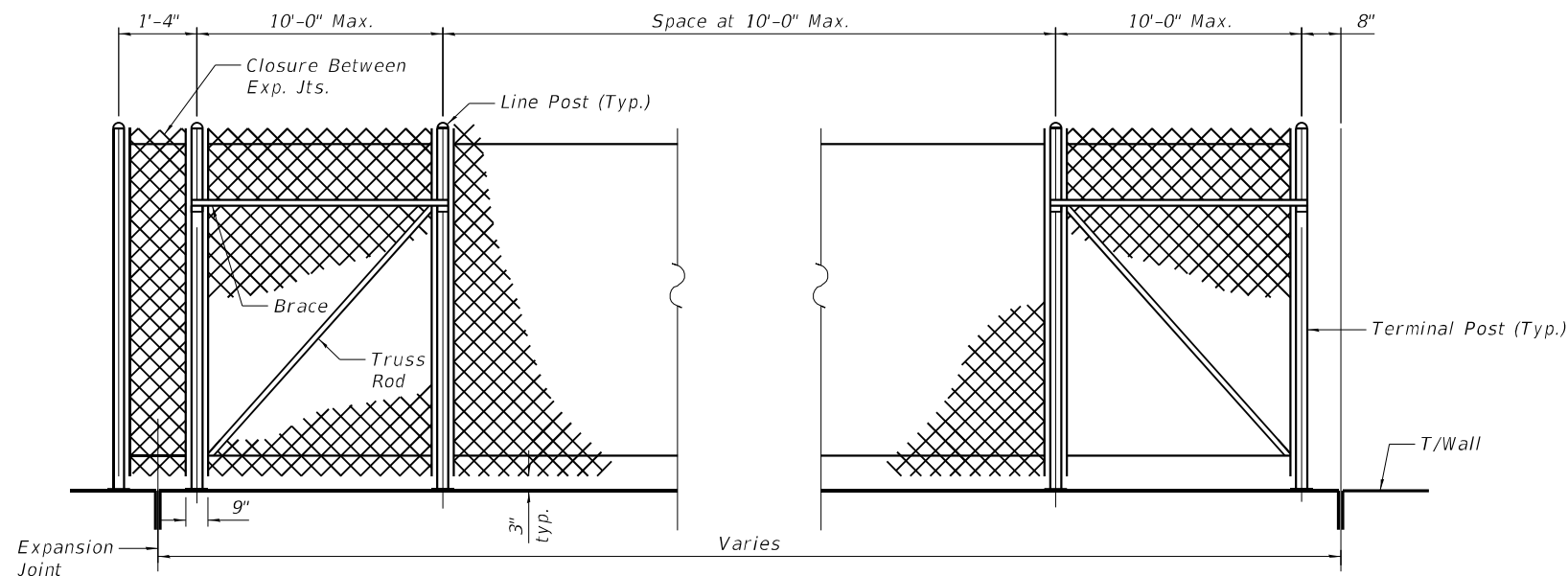
**NOTES:**

- The steel soldier piles shall be according to AASHTO M270 Grade 50.
- Cost of furnishing and erecting splice plates shall be included with Furnishing Soldier Piles.

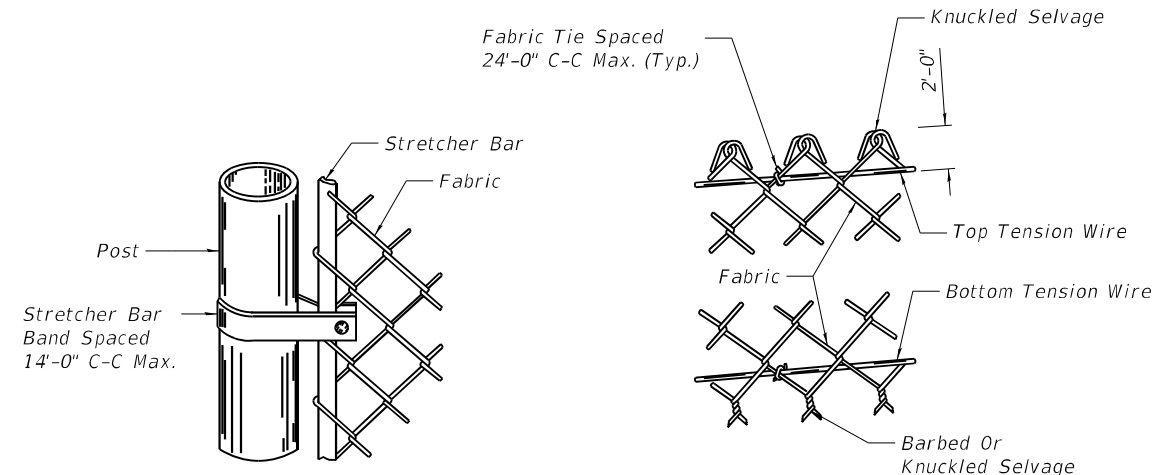
F-HP-MODIFIED 1-1-2020

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	PLOT SCALE = 0.1667' / in.	CHECKED - KPS	REVISED -			VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	826
	PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -			CONTRACT NO. 68C55				
		CHECKED - KPS	REVISED -			ILLINOIS FED. AID PROJECT				

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 PROJECT: 179140\_IDOT\_Centerville



TYPICAL CHAIN LINK FENCE BETWEEN EXPANSION JOINTS

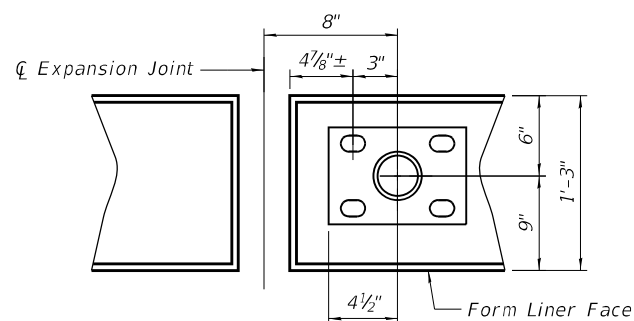


METHOD OF FASTENING STRETCHER BAR TO POST

METHOD OF TYING FABRIC TO TENSION WIRES

NOTES

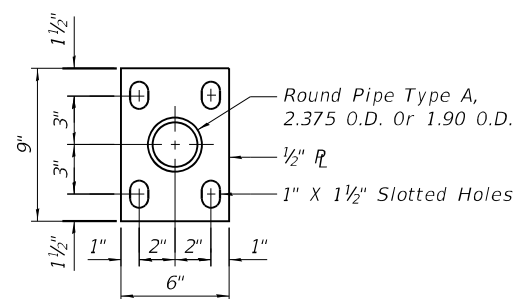
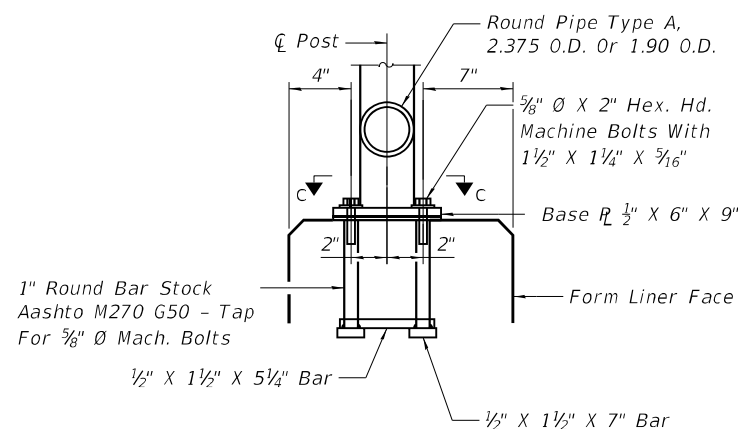
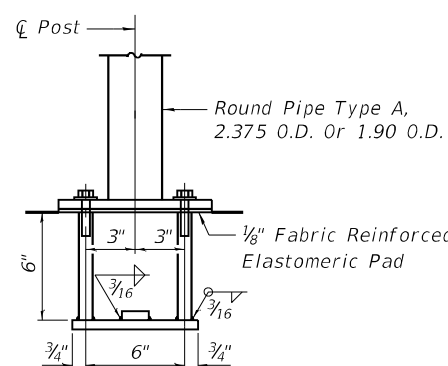
1. Posts, chain link fence, and attaching hardware shall be according to section 1006 of the standard specifications, except as noted, and shall be paid for at the contract unit price per meter for chain link fence (attached to structure).
2. The 9 gauge (3.759 mm) fabric ties shall be according to article 1006.27(d) of the standard specifications.
3. Installation of the chain link fabric shall be according to section 664 of the standard specifications.
4. Stretcher bars shall be used at all end posts.
5. Posts shall be according to aashto m 281, grades a or b. all other steel shapes and plates shall conform to the requirements of aashto m 270m grade 250.
6. The chain link fabric shall be placed along the side of the posts facing the railroad.
7. If the option of drilling and epoxy grouting the anchor rods is chosen, the contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given prior approval by the department. The contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures. the capsule or the adhesive cartridge shall be sealed with premeasured amounts of the adhesive chemical.
8. Space reinforcement to miss anchor rods.
9. All posts, railings, splices, anchor devices, and bent plates shall be galvanized according to article 509.05 of the standard specifications.
10. Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.
11. The chain link fabric shall conform to the requirements of article 1006.27(a)(1)a, b or c of the standard specifications.



ANCHOR PLATE PLAN AT EXPANSION JOINT

SECTION PROPERTIES

Component	Section	lbs./ft.
Line Post	Pipe Type A 1.90 O.D.	2.72
Terminal Post	Pipe Type A 2.375 O.D.	3.65
Horizontal Braces	Pipe Type A 1.66 O.D.	2.27
	Pipe Type B 1.66 O.D.	1.83



SECTION C-C

ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the contractor has the option of drilling and setting 5/8" ø anchor rods according to article 509.06 of the standard specifications. embedment shall be according to the manufacturer's specifications. place reinforcement bars to miss anchor rod locations.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Chain Link Fence, 6' Attached to Structure	Foot	1,224

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PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FENCE DETAILS  
STRUCTURE NO. 090-8520

SHEET 54-22 OF 54-29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	827
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-30** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 493.75 ft  
North: 1455472.14 ft  
East: 2457364.83 ft  
Station: 297+45.56  
Offset: 11.8277 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
493.3	5-inch thick ASPHALT --PAVEMENT--												
492.7	7-inch thick, tan, crushed GRAVEL --BASE COURSE--	1	4	3	0.98	12			9	2	4	6	21
	Medium stiff to stiff, dark brown CLAY LOAM to SILTY CLAY LOAM, little gravel; damp to moist												
	--FILL-- --RDR 2--	2	3	1	0.74	20			10	3	3	6	27
		5							25				
487.6	--Qu: 1.25 P--						468.3	Very dense, brown SILTY CLAY LOAM; saturated		11	27	50.4	20
	Medium stiff, brown SILTY CLAY LOAM, trace gravel; damp												
	--RDR 2--	3	2	1	0.57	20	466.3	Boring terminated at 27.50 ft					
485.8	Brown SAND; moist												
	--RDR 2--	4	2	1	0.41	20							
484.9	Soft, brown SILTY CLAY LOAM, trace gravel; moist												
	--RDR 2--	10	2	1	0.41	20							
484.4	Medium dense, brown SILTY LOAM, sand and clay lenses; damp												
	--RDR 2--	5	4	5	NP	25							
482.3	Loose to medium dense, brown SAND; moist to saturated												
	--RDR 2--	7	7	7	NP	2							
		8	7	10	NP	4							
		10											

**GENERAL NOTES**

Begin Drilling 06-17-2019 Complete Drilling 06-17-2019

Drilling Contractor Wang Testing Services Drill Rig 17D50A [87%]

Driller KS&KG&NM Logger E. Yim Checked by C. Marin

Drilling Method 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling 20.50 ft

At Completion of Drilling 22.00 ft

Time After Drilling NA

Depth to Water NA

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

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-31** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 494.08 ft  
North: 1455521.70 ft  
East: 2457427.15 ft  
Station: 296+65.94  
Offset: 12.974 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
493.6	5.5-inch thick ASPHALT --PAVEMENT--												
493.0	6-inch thick, tan, crushed GRAVEL --AGGREGATE BASE--	1	4	3	0.57	16							
	Soft to medium stiff, dark brown CLAY LOAM to SILTY CLAY LOAM, trace gravel; damp												
	--FILL-- --RDR 2--	2	5	3	0.49	15							
		5											
488.6	Very stiff, brown SILTY CLAY LOAM; damp												
	--RDR 2--	3	3	4	2.05	28							
484.9	Medium stiff, brown CLAY LOAM, trace gravel; moist												
	--RDR 2--	4	2	2	0.66	19							
482.9	Loose, brown SANDY LOAM to LOAM; moist												
	--RDR 2--	5	2	2	NP	23							
		6	3	3	NP	19							
478.6	Medium dense, brown SAND; damp to moist												
	--RDR 2--	7	5	5	NP	10							
		8	6	6	NP	5							
		7											

**GENERAL NOTES**

Begin Drilling 06-17-2019 Complete Drilling 06-17-2019

Drilling Contractor Wang Testing Services Drill Rig 17D50A [87%]

Driller KS&KG&NM Logger E. Yim Checked by C. Marin

Drilling Method 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling DRY

At Completion of Drilling 19.75 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.

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-32** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 494.16 ft  
North: 1455669.83 ft  
East: 2457488.52 ft  
Station: 295+87.95  
Offset: 13.584 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
492.7	5.5-inch thick ASPHALT --PAVEMENT--												
492.1	6-inch thick, tan, crushed GRAVEL --BASE COURSE--	1	6	4	NA	15							
	Medium stiff to very stiff, brown SILTY CLAY LOAM, trace gravel and organic matter; damp												
	--4-inch thick, medium stiff (0.98 S)--												
	--Qu: 0.75 P--												
489.7	Soft to very stiff, brown CLAY; moist												
	--RDR 2--	2	4	4	2.21	23							
		5											
487.5	--2-inch thick, very stiff (2.00 P)--												
	Brown SANDY LOAM; damp												
	--RDR 2--	3	2	2	0.33	26							
486.2	Soft (0.33 B), brown CLAY; moist												
	--RDR 2--	4	5	8	NP	9							
485.2	Medium dense, brown SANDY LOAM, some gravel and cobbles; damp												
	--RDR 3--	10	8	8	NP	9							
483.7	Soft, brown CLAY LOAM, trace gravel; moist												
	--RDR 3--	5	24	19	0.33	17							
		18											
481.2	Medium dense, brown, SANDY LOAM, some gravel; damp												
	--RDR 2 to 3-- --clay lenses--												
479.6	Brown LOAM; saturated												
	--RDR 2--	6	5	6	NP	19							
478.7	Medium dense, brown, fine SAND; damp												
	--RDR 2--	7	8	8	NP	3							
		11											
		8	6	9	NP	4							
		12											
474.2	Boring terminated at 20.00 ft												

**GENERAL NOTES**

Begin Drilling 06-17-2019 Complete Drilling 06-17-2019

Drilling Contractor Wang Testing Services Drill Rig 17D50A [87%]

Driller KS&KG&NM Logger E. Yim Checked by C. Marin

Drilling Method 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling 14.33 ft

At Completion of Drilling DRY

Time After Drilling NA

Depth to Water NA

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

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PLOT DATE = 6/6/2023	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 1  
STRUCTURE NO. 090-8520

SHEET 54-23 OF 54-29 SHEETS

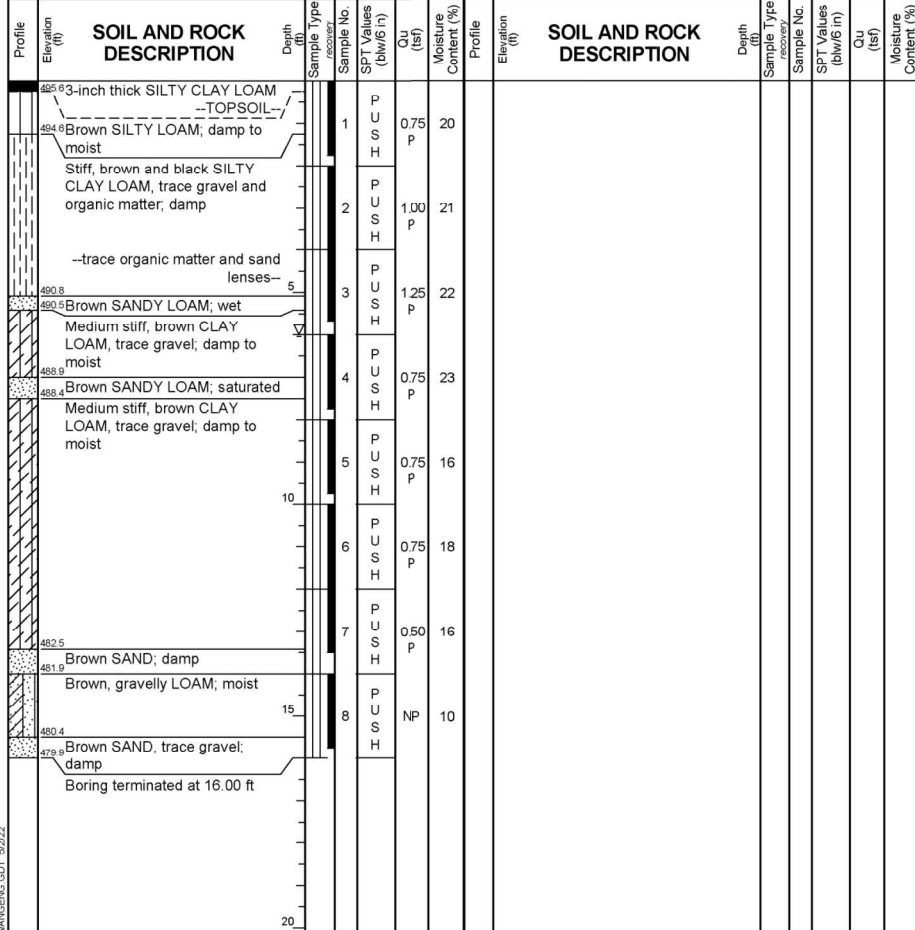
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	828
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-33HA** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 495.88 ft  
North: 1455571.32 ft  
East: 2457524.11 ft  
Station: 295+58.86  
Offset: 6.981 LT



**GENERAL NOTES**

Begin Drilling 06-18-2019 Complete Drilling 06-18-2019

Drilling Contractor Wang Testing Services Drill Rig GEOPROBE

Driller KS&KG&NM Logger E. Yim Checked by C. Marin

Drilling Method 1" IDA Pneumatic Geoprobe LB Sampler

**WATER LEVEL DATA**

While Drilling 6.00 ft

At Completion of Drilling DRY

Time After Drilling NA

Depth to Water NA

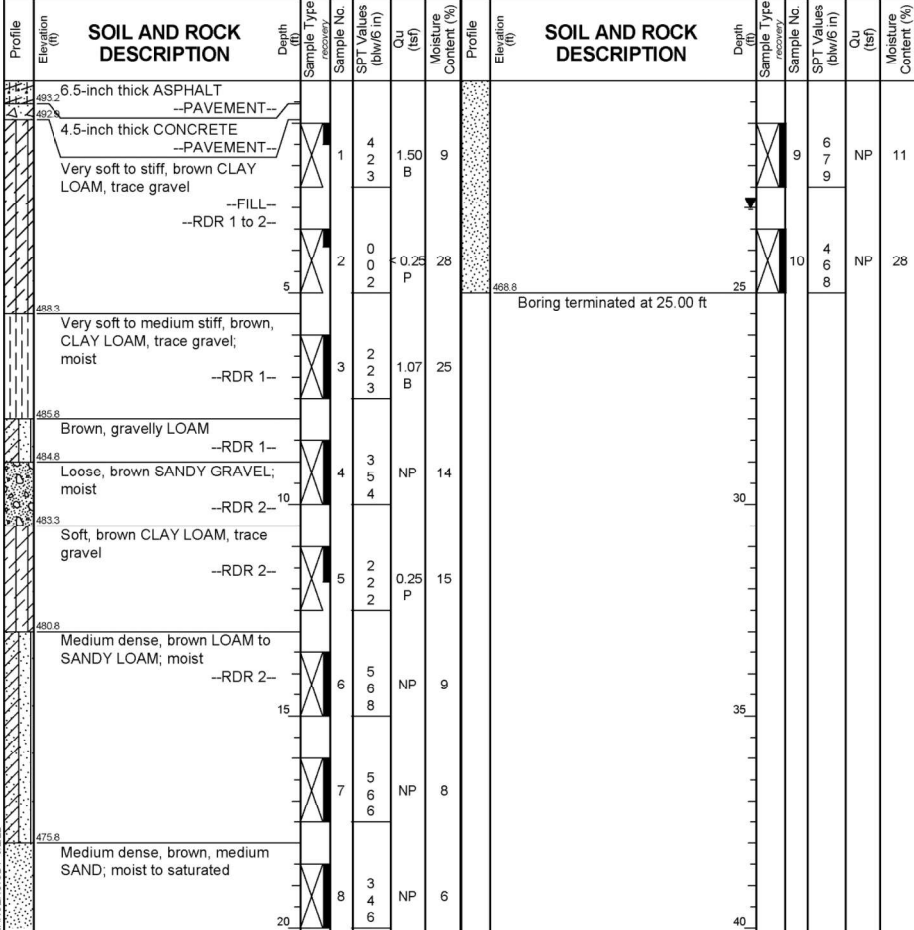
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-34** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 493.78 ft  
North: 1455613.34 ft  
East: 2457544.57 ft  
Station: 295+16.98  
Offset: 13.7797 RT



**GENERAL NOTES**

Begin Drilling 06-17-2019 Complete Drilling 06-17-2019

Drilling Contractor Wang Testing Services Drill Rig 17B57T [91%]

Driller N&A&B Logger F. Bozga Checked by C. Marin

Drilling Method 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling 23.00 ft

At Completion of Drilling 23.00 ft

Time After Drilling NA

Depth to Water NA

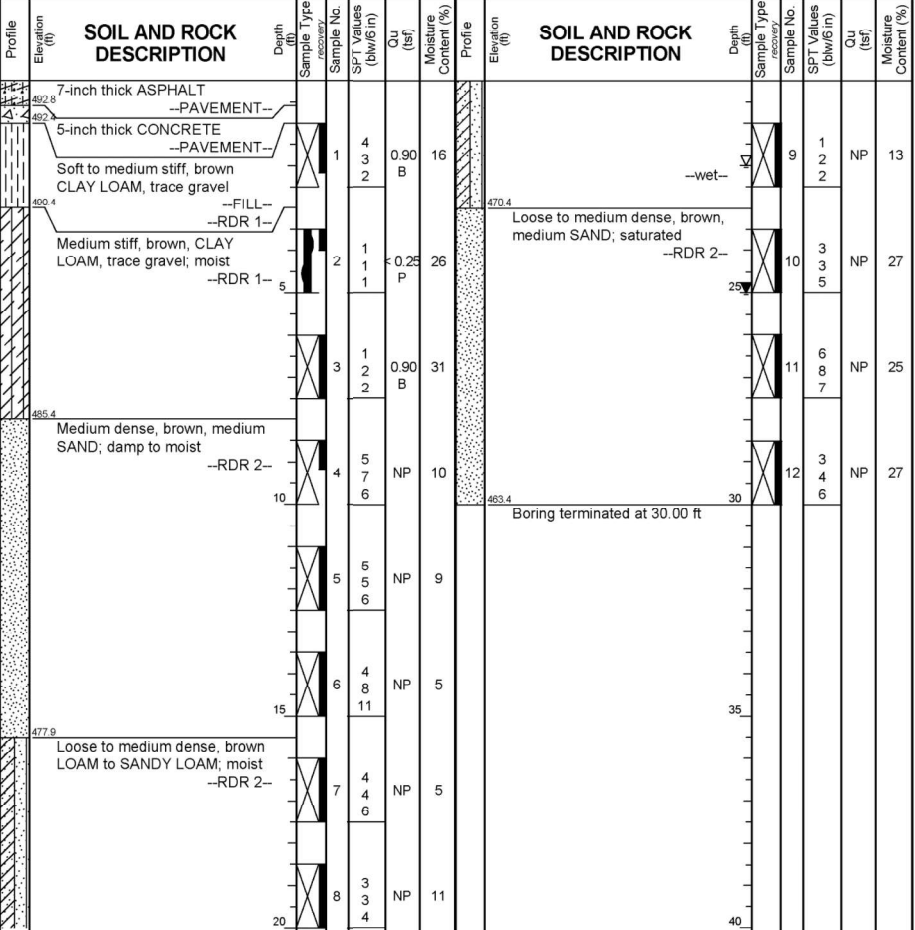
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**Wang Engineering**  
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**BORING LOG RWB-35** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 493.36 ft  
North: 1455658.40 ft  
East: 2457600.13 ft  
Station: 294+45.47  
Offset: 15.5072 RT



**GENERAL NOTES**

Begin Drilling 06-17-2019 Complete Drilling 06-17-2019

Drilling Contractor Wang Testing Services Drill Rig 17B57T [91%]

Driller N&A&B Logger F. Bozga Checked by C. Marin

Drilling Method 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling 22.00 ft

At Completion of Drilling 25.00 ft

Time After Drilling NA

Depth to Water NA

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

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USER NAME = dlamb	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 6/6/2023	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS 2  
STRUCTURE NO. 090-8520**

SHEET 54-24 OF 54-29 SHEETS

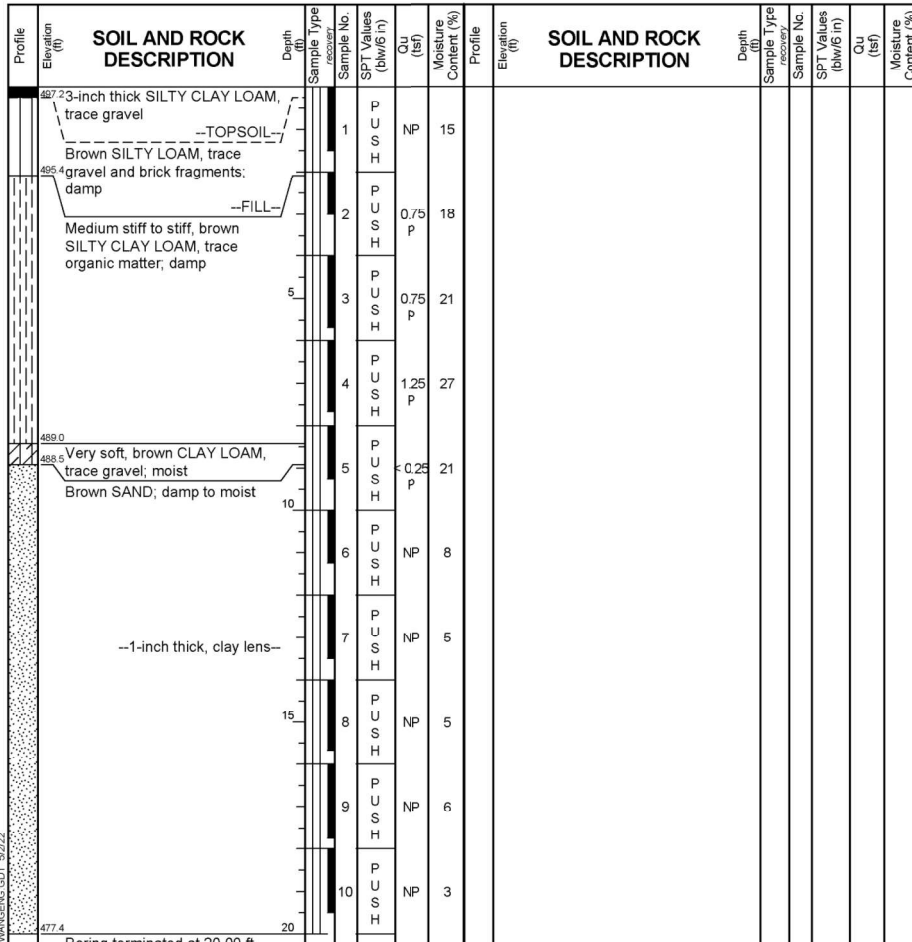
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	829
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWB-36HA** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 497.43 ft  
North: 1455632.46 ft  
East: 2457604.37 ft  
Station: 294+57.96  
Offset: 7.6259 LT



**GENERAL NOTES**

Begin Drilling 06-18-2019 Complete Drilling 06-18-2019

Drilling Contractor Wang Testing Services Drill Rig GEOPROBE

Driller KS&KG&NM Logger E. Yim Checked by C. Marin

Drilling Method 1" IDA Pneumatic Geoprobe LB Sampler

**WATER LEVEL DATA**

While Drilling  DRY

At Completion of Drilling  DRY

Time After Drilling NA

Depth to Water  NA

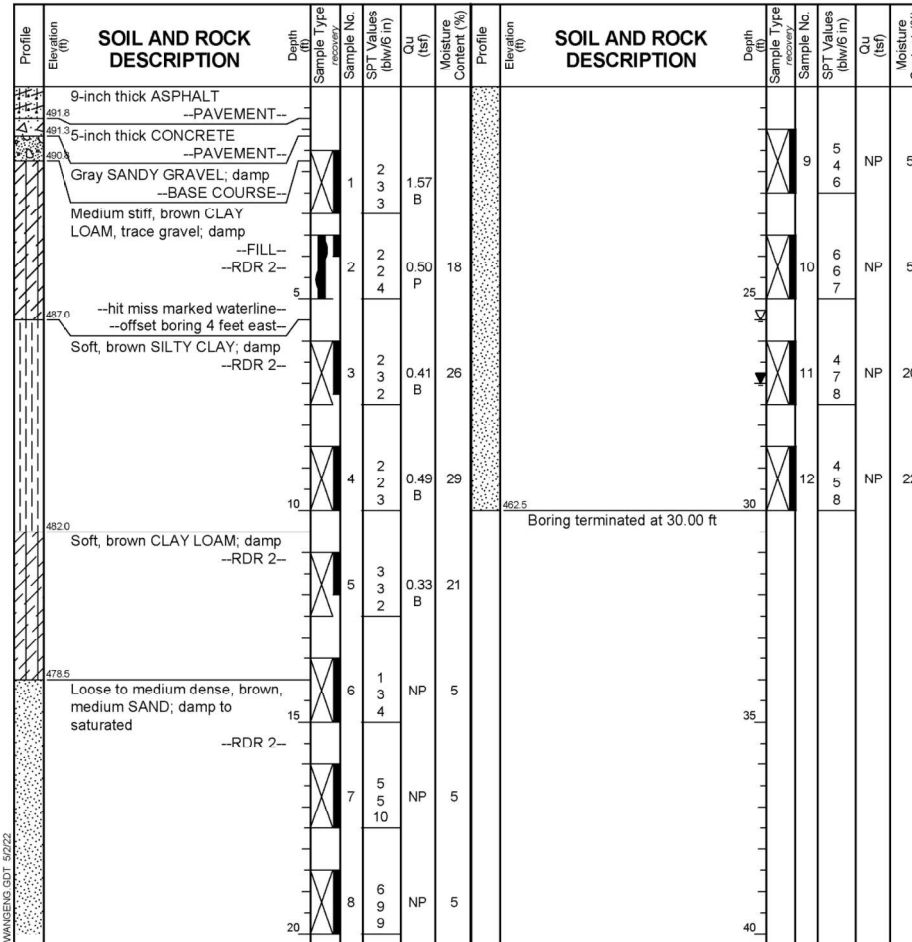
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**Wang Engineering**  
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**BORING LOG RWD-01** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 492.50 ft  
North: 1455693.23 ft  
East: 2457647.53 ft  
Station: 293+86.66  
Offset: 14.1148 RT



**GENERAL NOTES**

Begin Drilling 04-05-2022 Complete Drilling 04-06-2022

Drilling Contractor Wang Testing Services Drill Rig 21D50A [84%]

Driller K&A&J Logger M. Sadowski Checked by JAB

Drilling Method 3.25" ID HSA; backfilled upon completion

**WATER LEVEL DATA**

While Drilling  25.50 ft

At Completion of Drilling  27.00 ft

Time After Drilling NA

Depth to Water  NA

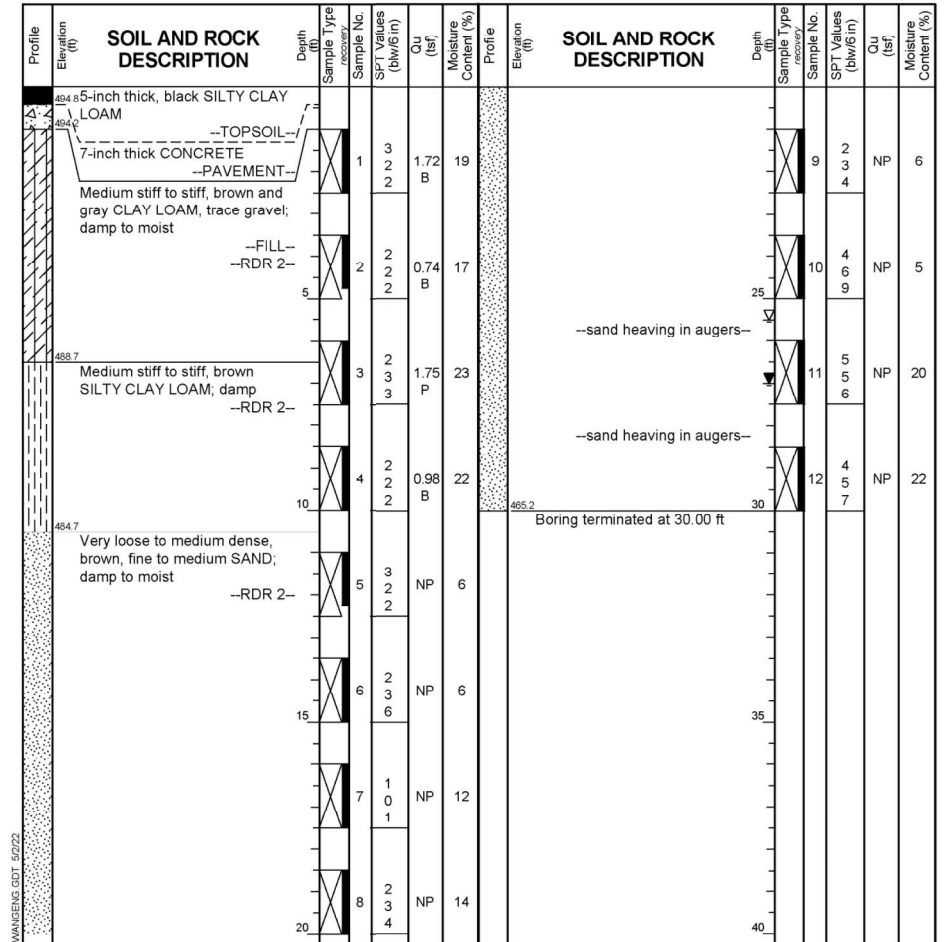
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**Wang Engineering**  
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**BORING LOG RWD-02** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 495.24 ft  
North: 1455737.95 ft  
East: 2457724.95 ft  
Station: 292+98.04  
Offset: 2.2136 RT



**GENERAL NOTES**

Begin Drilling 04-05-2022 Complete Drilling 04-05-2022

Drilling Contractor Wang Testing Services Drill Rig 21D50A [84%]

Driller K&A&J Logger M. Sadowski Checked by JAB

Drilling Method 3.25" ID HSA; backfilled upon completion

**WATER LEVEL DATA**

While Drilling  25.50 ft

At Completion of Drilling  27.00 ft

Time After Drilling NA

Depth to Water  NA

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

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USER NAME = DLamb	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 6/6/2023	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS 3  
STRUCTURE NO. 090-8520**

SHEET 54-25 OF 54-29 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	830
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWD-03** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 494.49 ft  
North: 1455795.94 ft  
East: 2457778.66 ft  
Station: 292+22.39  
Offset: 17.6599 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
484.4	3-inch thick ASPHALT --PAVEMENT--						484.5						
483.4	10-inch thick CONCRETE --PAVEMENT--						484.5						
482.4	5-inch thick ASPHALT --PAVEMENT--						484.5						
481.4	Stiff (1.75P), brown SILTY CLAY LOAM; damp		1	4	2.00	22	484.5						
480.4	Medium stiff to very stiff, brown SILTY CLAY, trace gravel; damp		2	4	0.75	23	484.5						
479.4	--RDR 2--		3	3	0.57	23	484.5						
478.4	Very stiff, brown CLAY; damp		4	2	2.54	27	484.5						
477.4	Loose to medium dense, brown, fine to medium SAND; damp to saturated		5	2		19	484.5						
476.4	--RDR 2--		6	2		8	484.5						
475.4	--RDR 2--		7	3		6	484.5						
474.4	--RDR 2--		8	3		5	484.5						
473.4	--RDR 2--		9	4		7	484.5						
472.4	--RDR 2--		10	4		6	484.5						
471.4	--RDR 2--		11	6		22	484.5						
470.4	--RDR 2--		12	5		22	484.5						
469.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
468.4	--RDR 2--		4	3		20	484.5						
467.4	Loose, brown SILTY CLAY		1	2		7	484.5						
466.4	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	484.5						
465.4	Loose, brown, medium SAND; damp to moist		2	2		6	484.5						
464.4	--RDR 2--		3	3		24	484.5						
463.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
462.4	--RDR 2--		4	3		20	484.5						
461.4	Loose, brown SILTY CLAY		1	2		7	484.5						
460.4	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	484.5						
459.4	Loose, brown, medium SAND; damp to moist		2	2		6	484.5						
458.4	--RDR 2--		3	3		24	484.5						
457.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
456.4	--RDR 2--		4	3		20	484.5						
455.4	Loose, brown SILTY CLAY		1	2		7	484.5						
454.4	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	484.5						
453.4	Loose, brown, medium SAND; damp to moist		2	2		6	484.5						
452.4	--RDR 2--		3	3		24	484.5						
451.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
450.4	--RDR 2--		4	3		20	484.5						
449.4	Loose, brown SILTY CLAY		1	2		7	484.5						
448.4	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	484.5						
447.4	Loose, brown, medium SAND; damp to moist		2	2		6	484.5						
446.4	--RDR 2--		3	3		24	484.5						
445.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
444.4	--RDR 2--		4	3		20	484.5						
443.4	Loose, brown SILTY CLAY		1	2		7	484.5						
442.4	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	484.5						
441.4	Loose, brown, medium SAND; damp to moist		2	2		6	484.5						
440.4	--RDR 2--		3	3		24	484.5						
439.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
438.4	--RDR 2--		4	3		20	484.5						
437.4	Loose, brown SILTY CLAY		1	2		7	484.5						
436.4	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	484.5						
435.4	Loose, brown, medium SAND; damp to moist		2	2		6	484.5						
434.4	--RDR 2--		3	3		24	484.5						
433.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
432.4	--RDR 2--		4	3		20	484.5						
431.4	Loose, brown SILTY CLAY		1	2		7	484.5						
430.4	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	484.5						
429.4	Loose, brown, medium SAND; damp to moist		2	2		6	484.5						
428.4	--RDR 2--		3	3		24	484.5						
427.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
426.4	--RDR 2--		4	3		20	484.5						
425.4	Loose, brown SILTY CLAY		1	2		7	484.5						
424.4	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	484.5						
423.4	Loose, brown, medium SAND; damp to moist		2	2		6	484.5						
422.4	--RDR 2--		3	3		24	484.5						
421.4	Loose, brown SILT to fine SAND; wet		3	2		24	484.5						
420.4	--RDR 2--		4	3		20	484.5						

**GENERAL NOTES**

Begin Drilling: 04-05-2022 Complete Drilling: 04-05-2022

Drilling Contractor: Wang Testing Services Drill Rig: 21D50A [84%]

Driller: K&A&J Logger: M. Sadowski Checked by: JAB

Drilling Method: 3.25" ID HSA; backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 26.50 ft

At Completion of Drilling: 26.50 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.

**Wang Engineering**  
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**BORING LOG RWD-04** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 498.69 ft  
North: 1455801.84 ft  
East: 2457863.45 ft  
Station: 291+42.27  
Offset: 6.2524 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
498.69	9-inch thick, black SILTY CLAY LOAM						498.67						
497.69	Loose, brown SILTY CLAY		1	2		7	498.67						
496.69	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	498.67						
495.69	Loose, brown, medium SAND; damp to moist		2	2		6	498.67						
494.69	--RDR 2--		3	3		24	498.67						
493.69	Loose, brown SILT to fine SAND; wet		3	2		24	498.67						
492.69	--RDR 2--		4	3		20	498.67						
491.69	Loose, brown SILTY CLAY		1	2		7	498.67						
490.69	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	498.67						
489.69	Loose, brown, medium SAND; damp to moist		2	2		6	498.67						
488.69	--RDR 2--		3	3		24	498.67						
487.69	Loose, brown SILT to fine SAND; wet		3	2		24	498.67						
486.69	--RDR 2--		4	3		20	498.67						
485.69	Loose, brown SILTY CLAY		1	2		7	498.67						
484.69	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	498.67						
483.69	Loose, brown, medium SAND; damp to moist		2	2		6	498.67						
482.69	--RDR 2--		3	3		24	498.67						
481.69	Loose, brown SILT to fine SAND; wet		3	2		24	498.67						
480.69	--RDR 2--		4	3		20	498.67						
479.69	Loose, brown SILTY CLAY		1	2		7	498.67						
478.69	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	498.67						
477.69	Loose, brown, medium SAND; damp to moist		2	2		6	498.67						
476.69	--RDR 2--		3	3		24	498.67						
475.69	Loose, brown SILT to fine SAND; wet		3	2		24	498.67						
474.69	--RDR 2--		4	3		20	498.67						
473.69	Loose, brown SILTY CLAY		1	2		7	498.67						
472.69	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	498.67						
471.69	Loose, brown, medium SAND; damp to moist		2	2		6	498.67						
470.69	--RDR 2--		3	3		24	498.67						
469.69	Loose, brown SILT to fine SAND; wet		3	2		24	498.67						
468.69	--RDR 2--		4	3		20	498.67						
467.69	Loose, brown SILTY CLAY		1	2		7	498.67						
466.69	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	498.67						
465.69	Loose, brown, medium SAND; damp to moist		2	2		6	498.67						
464.69	--RDR 2--		3	3		24	498.67						
463.69	Loose, brown SILT to fine SAND; wet		3	2		24	498.67						
462.69	--RDR 2--		4	3		20	498.67						
461.69	Loose, brown SILTY CLAY		1	2		7	498.67						
460.69	Medium stiff (0.75P), dark brown CLAY LOAM; damp		2	3		6	498.67						
459.69	Loose, brown, medium SAND; damp to moist		2	2		6	498.67						
458.69	--RDR 2--		3	3		24	498.67						





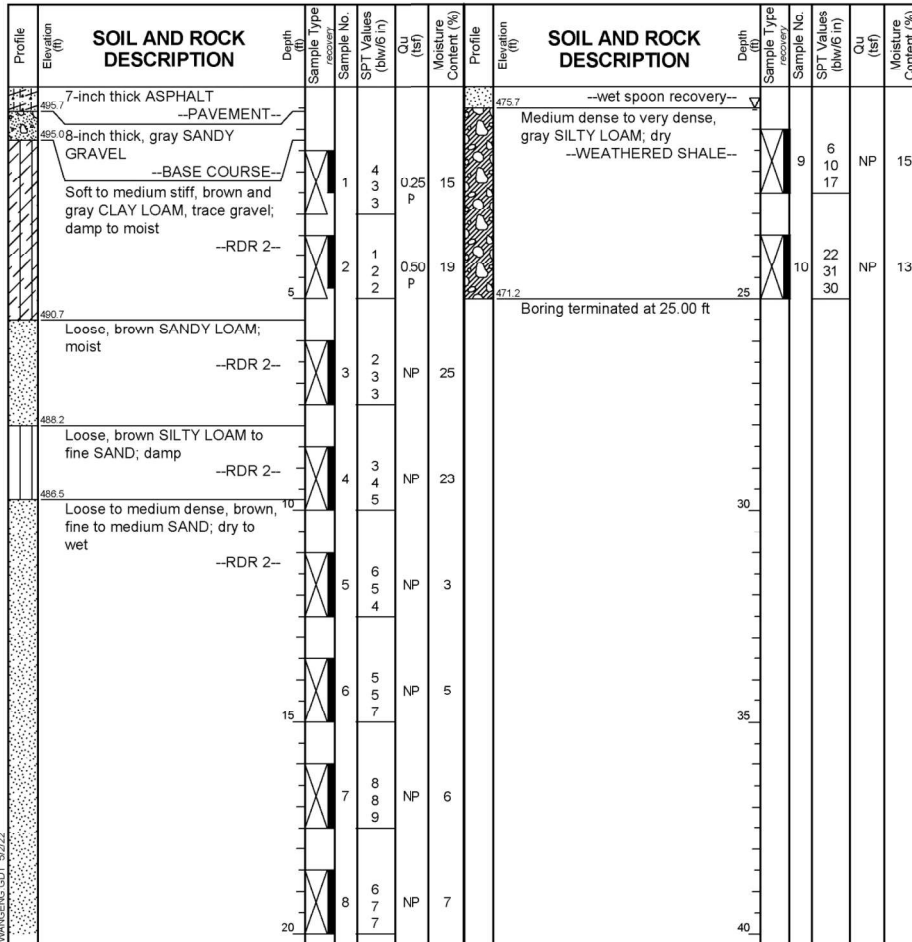
**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWD-09** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 496.24 ft  
North: 1455312.67 ft  
East: 2457178.41 ft  
Station: 299+90.59  
Offset: 0.5189 LT

Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_



**GENERAL NOTES**

Begin Drilling 03-29-2022 Complete Drilling 03-29-2022

Drilling Contractor Wang Testing Services Drill Rig 21D50A [84%]

Driller K&A&J Logger M. Sadowski Checked by JAB

Drilling Method 3.25" ID HSA; backfilled upon completion

**WATER LEVEL DATA**

While Drilling 20.50 ft

At Completion of Drilling DRY

Time After Drilling NA

Depth to Water NA

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

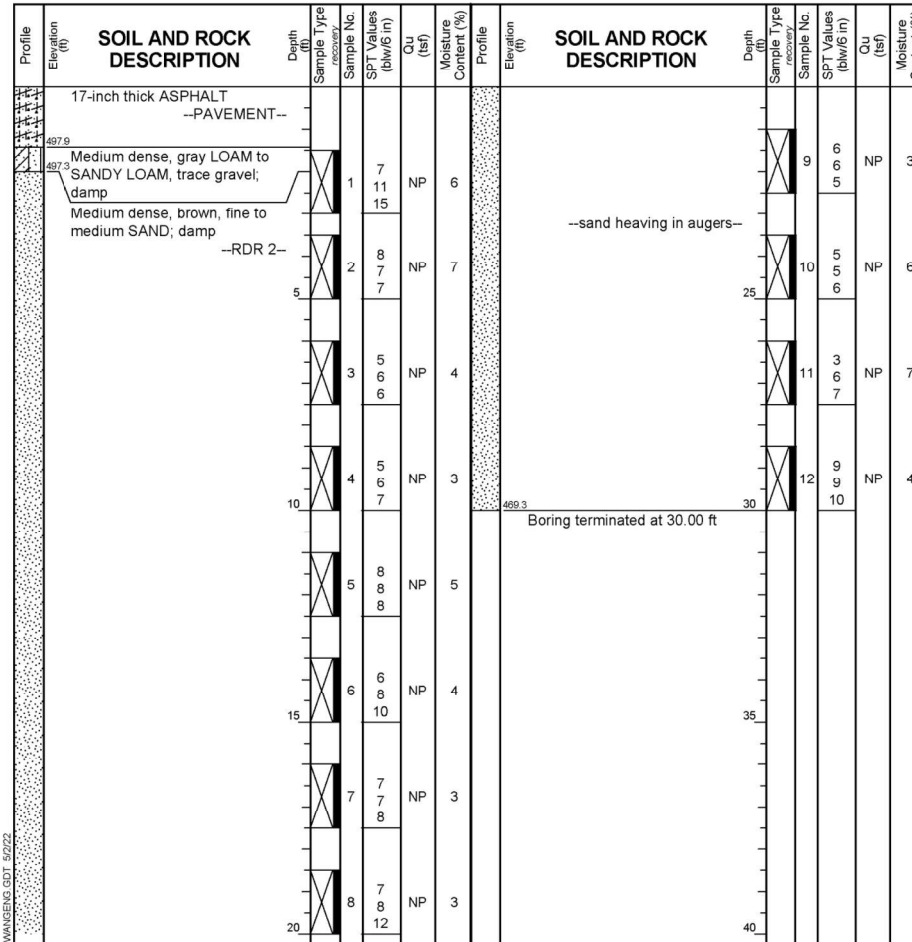
**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWD-10** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 499.31 ft  
North: 1455813.37 ft  
East: 2458111.32 ft  
Station: 288+93.39  
Offset: 12.389 LT

Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_



**GENERAL NOTES**

Begin Drilling 04-04-2022 Complete Drilling 04-04-2022

Drilling Contractor Wang Testing Services Drill Rig 21D50A [84%]

Driller K&A&J Logger M. Sadowski Checked by JAB

Drilling Method 3.25" ID HSA; backfilled upon completion

**WATER LEVEL DATA**

While Drilling DRY

At Completion of Drilling DRY

Time After Drilling NA

Depth to Water NA

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

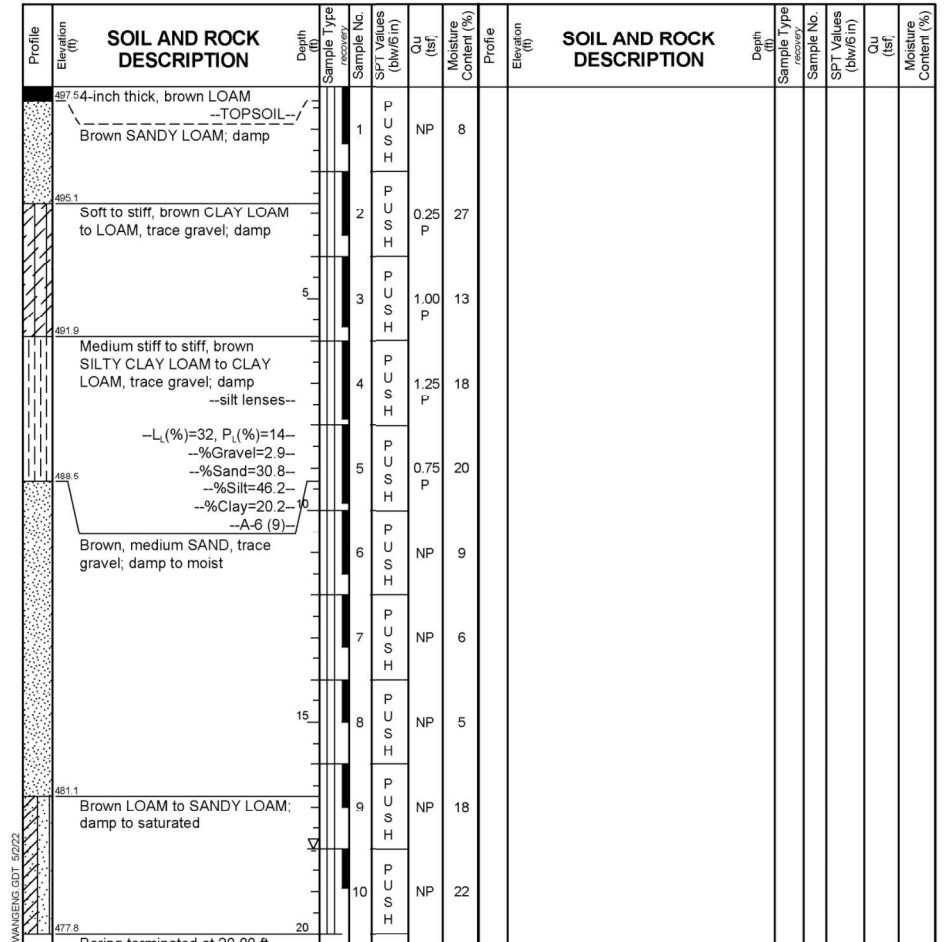
**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG SGB-14HA** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 497.82 ft  
North: 1455731.97 ft  
East: 2457738.32 ft  
Station: 292+91.10  
Offset: 10.74 LT

Telephone: \_\_\_\_\_  
Fax: \_\_\_\_\_



**GENERAL NOTES**

Begin Drilling 06-18-2019 Complete Drilling 06-18-2019

Drilling Contractor Wang Testing Services Drill Rig GEOPROBE

Driller KS&KG&NM Logger E. Yim Checked by C. Marin

Drilling Method 1" IDA Pneumatic Geoprobe LB Sampler

**WATER LEVEL DATA**

While Drilling 18.00 ft

At Completion of Drilling NA

Time After Drilling NA

Depth to Water NA

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

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 WANGENGINC 7072101.GPJ WANGENG.GDT 5/2/22



USER NAME = DLamb	DESIGNED -	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 6/6/2023	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS 6  
STRUCTURE NO. 090-8520**

SHEET 54-28 OF 54-29 SHEETS

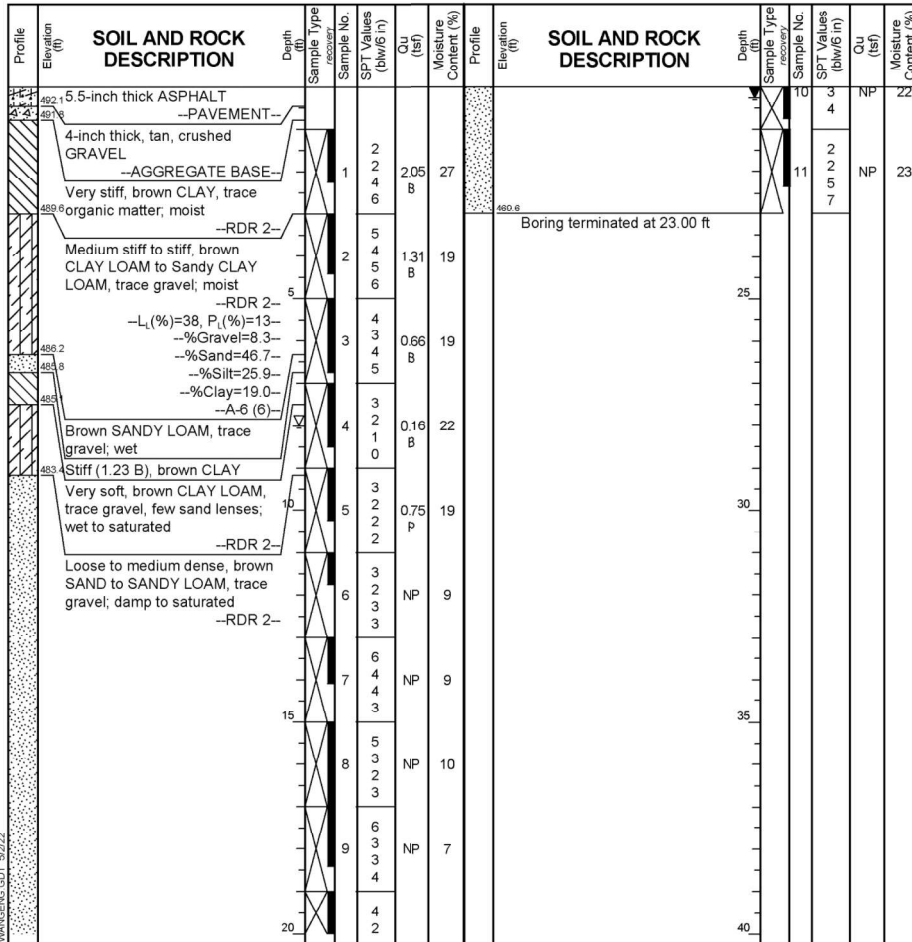
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	833
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG SGB-16** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 492.55 ft  
North: 1455356.69 ft  
East: 2457221.00 ft  
Station: 299+29.98  
Offset: 7.36 RT



**GENERAL NOTES**

Begin Drilling: 06-17-2019 Complete Drilling: 06-17-2019

Drilling Contractor: Wang Testing Services Drill Rig: 17D50A [87%]

Driller: KS&KG&NM Logger: E. Yim Checked by: C. Marin

Drilling Method: 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 8.00 ft

At Completion of Drilling: 20.25 ft

Time After Drilling: NA

Depth to Water: NA

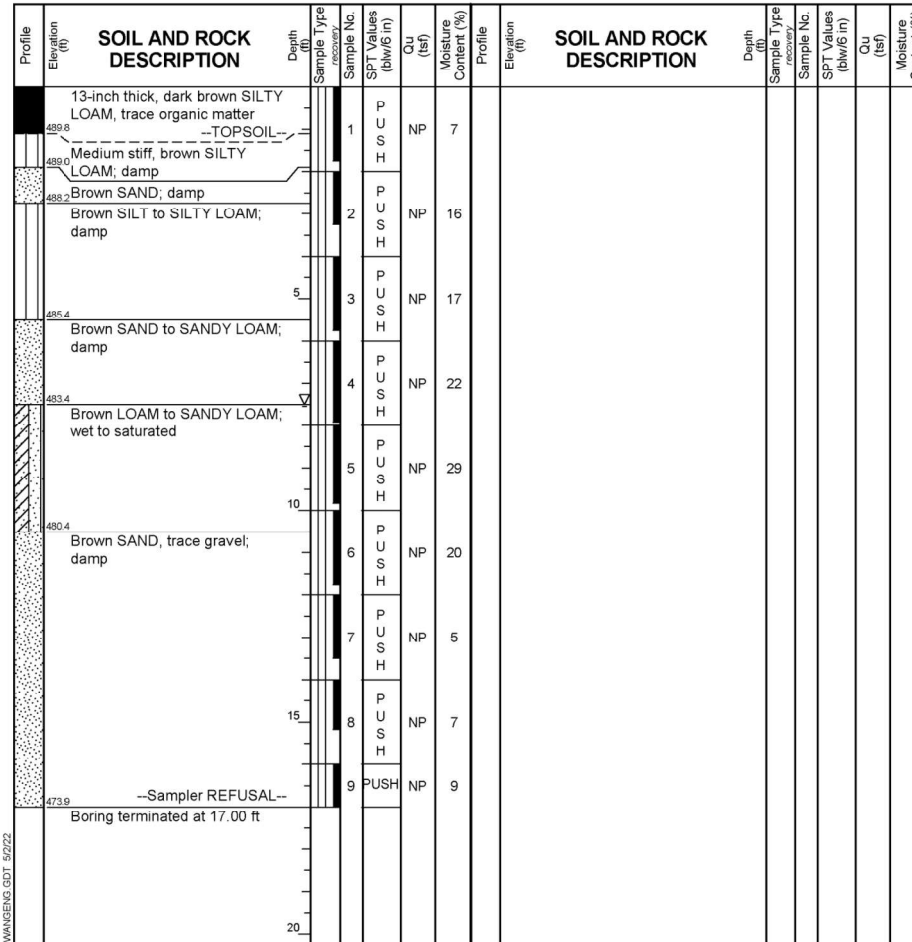
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG SGB-17HA** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 490.93 ft  
North: 1455826.83 ft  
East: 2457903.40 ft  
Station: 291+00.00  
Offset: 14.58 RT



**GENERAL NOTES**

Begin Drilling: 06-18-2019 Complete Drilling: 06-18-2019

Drilling Contractor: Wang Testing Services Drill Rig: GEOPROBE

Driller: KS&KG&NM Logger: E. Yim Checked by: C. Marin

Drilling Method: 1" IDA Pneumatic Geoprobe LB Sampler

**WATER LEVEL DATA**

While Drilling: 7.50 ft

At Completion of Drilling: NA

Time After Drilling: NA

Depth to Water: NA

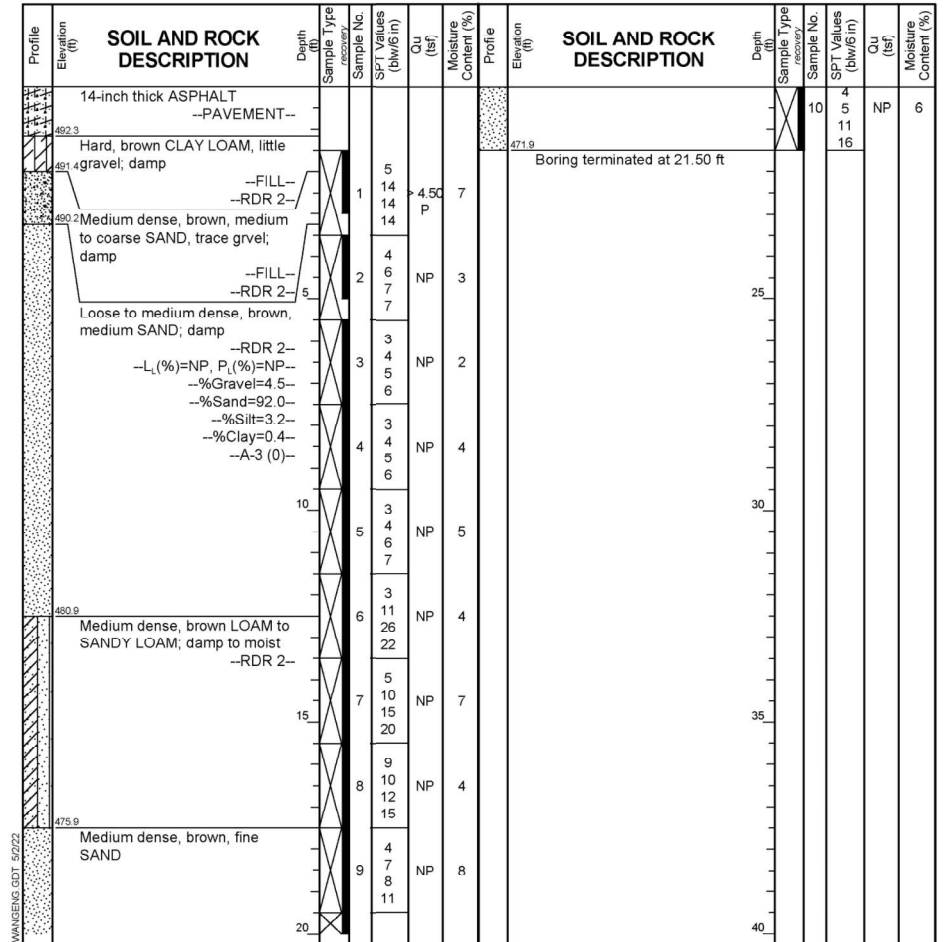
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG SGB-18** Page 1 of 1

WEI Job No.: 707-21-01  
Client: Michael Baker International  
Project: Cedar Street Extension at IL Route 29  
Location: Tazewell County, IL

Datum: NAVD 88  
Elevation: 493.41 ft  
North: 1455825.81 ft  
East: 2458098.78 ft  
Station: 289+05.09  
Offset: 0.84 RT



**GENERAL NOTES**

Begin Drilling: 06-17-2019 Complete Drilling: 06-17-2019

Drilling Contractor: Wang Testing Services Drill Rig: 17B57T [91%]

Driller: N&A&B Logger: F. Bozga Checked by: C. Marin

Drilling Method: 3.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: DRY

At Completion of Drilling: DRY

Time After Drilling: NA

Depth to Water: NA

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

MODEL: Default FILE NAME: p:\mbs\bus\h\h\h\c\com\mbs\bus\p\p\p\03\Documents\ChCamp\_11\01\_Projects\179140\_IDOT\_CedarStExt\_Plan\15\_0\_CADD\CAD\_Sheets\Retaining\_Wall\_Sheets\090525\68C55-WallID-029.dgn



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PLOT SCALE = 0.1667' / in.	CHECKED -	REVISED -
PLOT DATE = 6/6/2023	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS 7  
STRUCTURE NO. 090-8520**

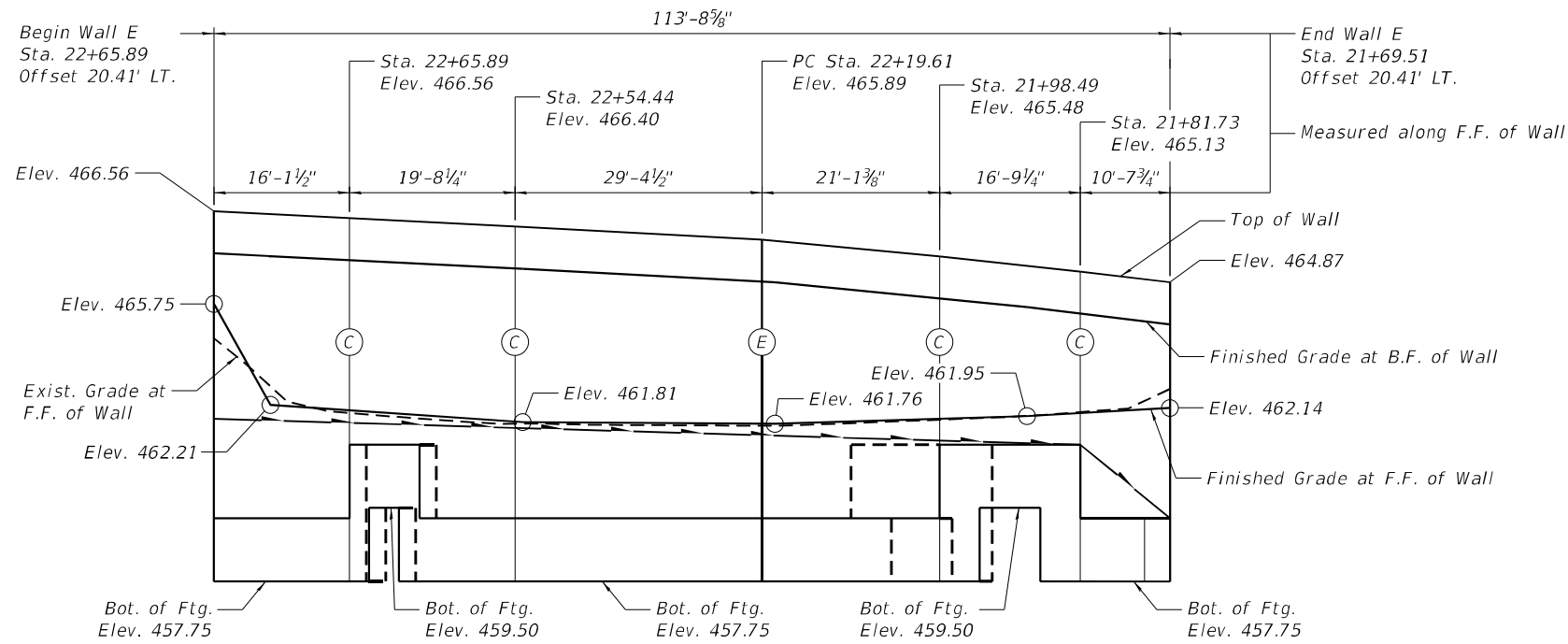
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	834
CONTRACT NO. 68C55				

SHEET 54-29 OF 54-29 SHEETS

ILLINOIS FED. AID PROJECT

Bench Mark: Chiseled "□" on top of the SE Wingwall of the main span of the Cedar St. Bridge over the railyard. Elev. 505.64

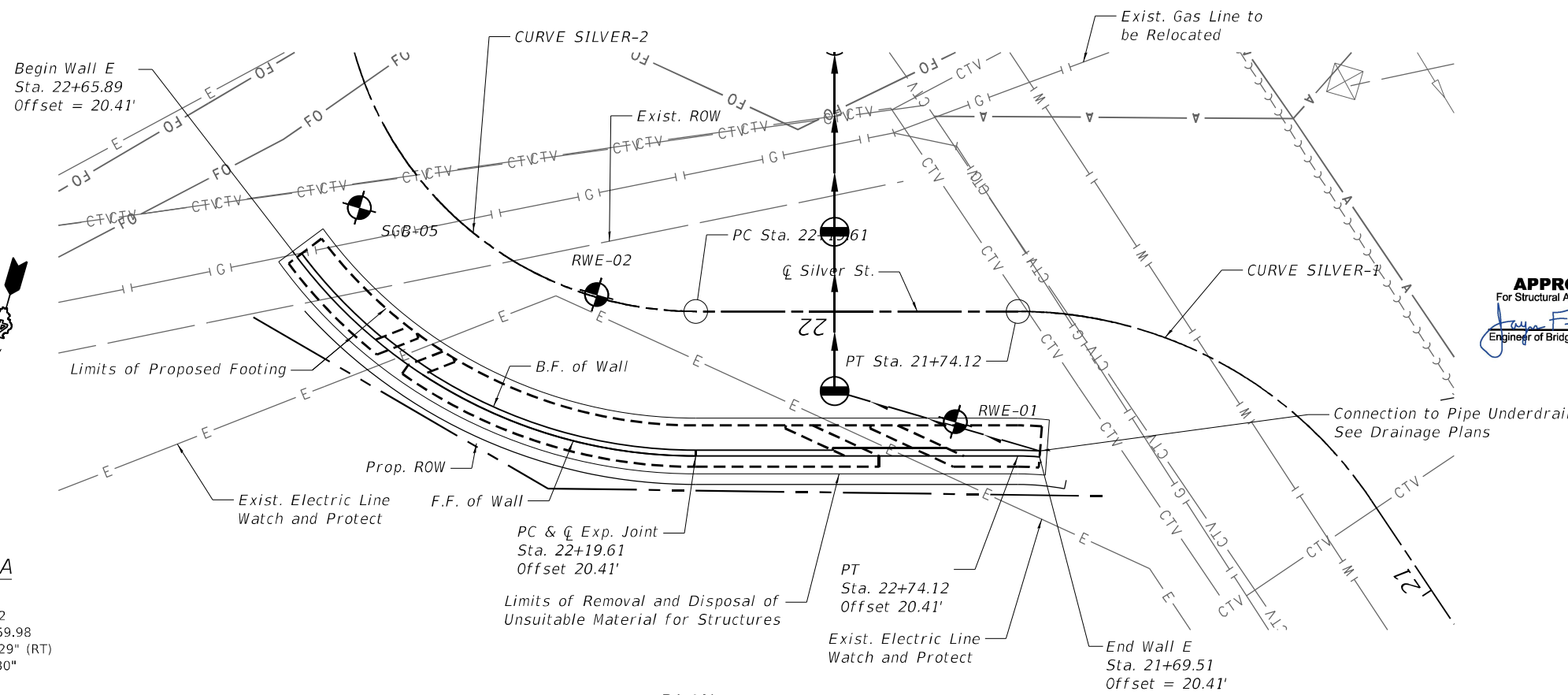
Existing structure: None



**ELEVATION**  
(Looking at F.F. of Wall)

**NOTES:**

- Stations and offsets are measured along  $\hat{C}$  Silver St. to the front face of wall.
- F.F. denotes Front Face.
- B.F. denotes Back Face.



**PLAN**

**HORIZONTAL CURVE DATA**

(Prop. Curve Silver St.)	
CURVE SILVER-1	CURVE SILVER-2
PI STA. = 21+47.28	PI STA. = 22+59.98
$\Delta = 56^\circ 17' 06''$ (LT)	$\Delta = 77^\circ 50' 29''$ (RT)
D = 95° 29' 35"	D = 114° 35' 30"
R = 60.00'	R = 50.00'
T = 32.09'	T = 40.37'
L = 58.94'	L = 67.93'
E = 8.04'	E = 14.27'
P.C. STA. = 21+15.18	P.C. STA. = 22+19.61
P.T. STA. = 21+74.12	P.T. STA. = 22+87.54

**DESIGN SPECIFICATIONS**

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**

**FIELD UNITS**

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

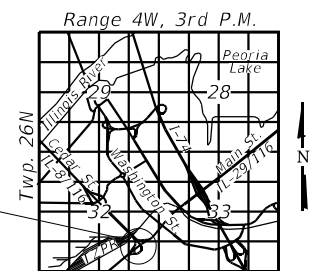
**LEGEND**

- (C) Construction Joint
- (E) Expansion Joint
- ⊕ Soil Boring Location
- T — Existing Underground Telephone
- A — Existing Aerial Electric Line
- E — Existing Underground Electric
- CTV — Existing Underground Cable TV
- G — Existing Underground Gasline
- FO — Existing Underground Fiber Optic
- W — Existing Water Main
- Proposed Pipe Underdrain
- Proposed Storm Sewer
- ⊙ Proposed Drainage Inlet



SIGNED: *Kenneth P. Smorynski*

Kenneth P. Smorynski  
Il. Lic. No. 081-005763  
Expires 11-30-2024



**LOCATION SKETCH**

**GENERAL PLAN**  
**RETAINING WALL E ALONG SILVER ST.**  
**F.A.P. 669 - SECTION 13(HVB, HB-3) BR**  
**TAZEWELL COUNTY**  
**STATION 21+69.51 TO 22+65.89**  
**STRUCTURE NO. 090-8518**



USER NAME = Dlamb	DESIGNED - MDA	REVISED -
PLOT SCALE = 21.3332' / in.	CHECKED - KPS	REVISED -
PLOT DATE = 5/8/2023	DRAWN - MDA	REVISED -
	CHECKED - KPS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION**  
**STRUCTURE NO. 090-8518**

SHEET 55-1 OF 55-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1:R	TAZEWELL	1173	835
			CONTRACT NO. 68C55	

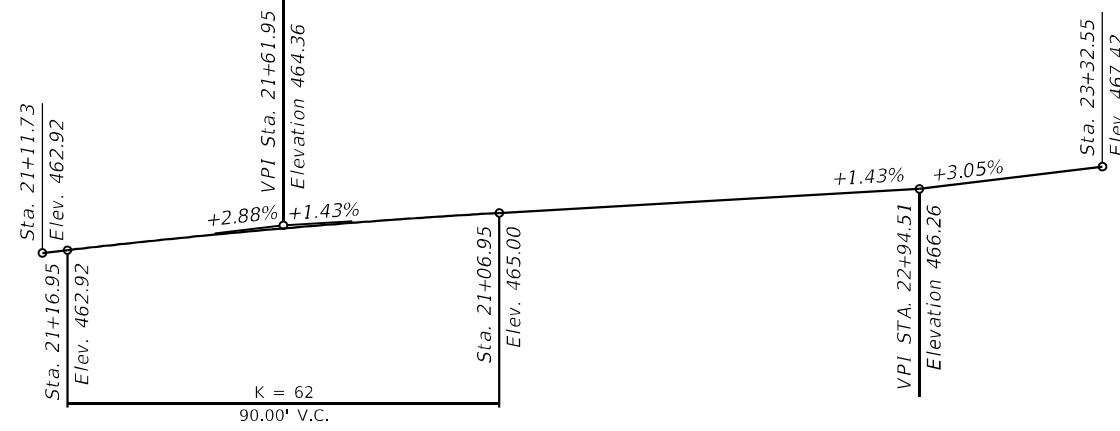
ILLINOIS FED. AID PROJECT

**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Chamfers on vertical edges of wall shall be continued a minimum of 1'-0" below finished ground level.
3. Contractor shall verify location, depth, and size of electric ducts prior to ordering and fabricating reinforcement bars.
4. Existing utilities in conflict with retaining wall construction shall be protected, abandoned, or relocated according to directions given on the roadway plans. The Contractor shall field verify utilities to be protected to ensure they do not conflict with proposed construction and make necessary approved adjustments prior to construction or ordering of materials.

**INDEX OF SHEETS**

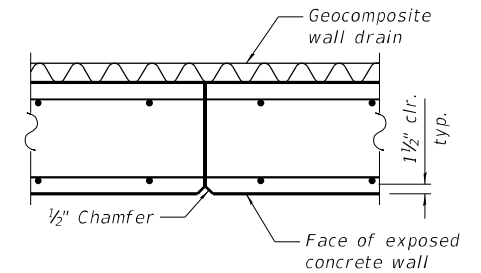
1. General Plan and Elevation
2. General Notes, Total Bill of Material, and Details
3. Detailed Plan and Elevation 1
4. Detailed Plan and Elevation 2
5. Footing Step Details and Bill of Material
6. Soil Borings



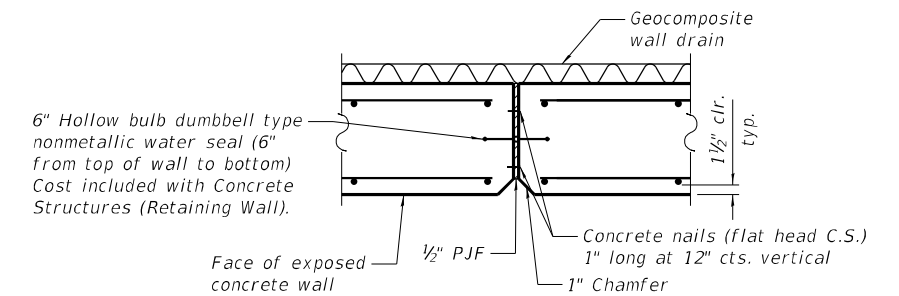
**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Subbase Granular Material, Type B 24"	Sq Yd	101
Structure Excavation	Cu Yd	166
Removal and Disposal of Unsuitable Material For Structures	Cu Yd	67
* Protective Coat	Sq Yd	40
Reinforcement Bars, Epoxy Coated	Pound	5,680
Concrete Structures (Retaining Wall)	Cu Yd	61.5
Granular Backfill For Structures	Cu Yd	74
Geocomposite Wall Drain	Sq Yd	63
Pipe Underdrains For Structures 4"	Foot	114

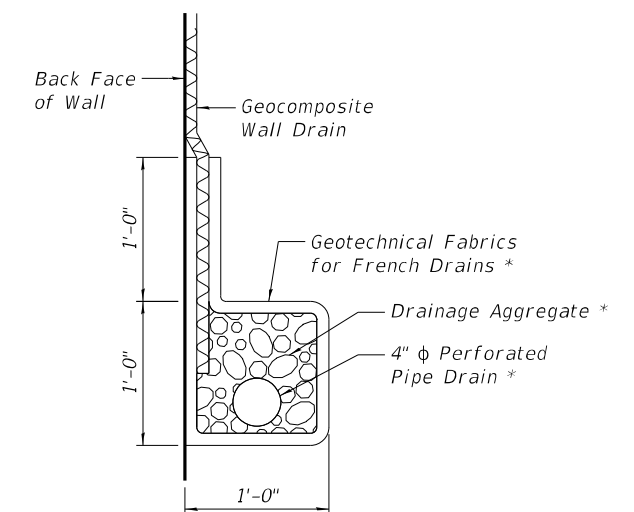
\* Apply protective coat to the exposed front face of retaining wall.



**CONSTRUCTION JOINT**

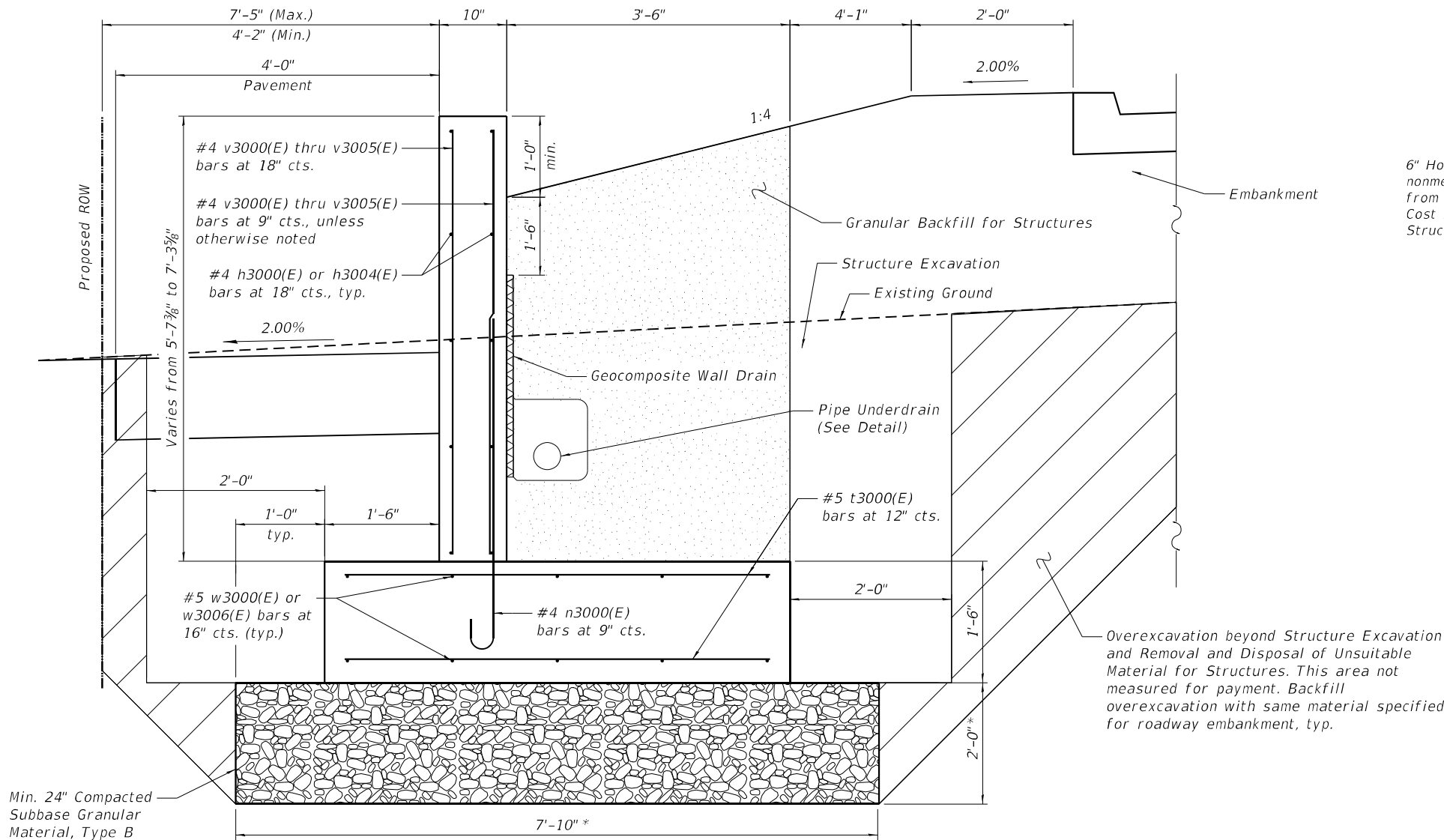


**EXPANSION JOINT**



**PIPE UNDERDRAIN DETAIL**

\* Included in the cost of Pipe Underdrain for Structures



**TYPICAL SECTION THRU RETAINING WALL**

\* Limits of Removal and Disposal of Unsuitable Material For Structures

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 One South Wacker Drive | Suite 2550 | Chicago, IL 60606  
 312.425.9900 | 312.425.9901 | www.infrastructure-eng.com



USER NAME = DLamb	DESIGNED - MDA	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - KPS	REVISED -
PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -
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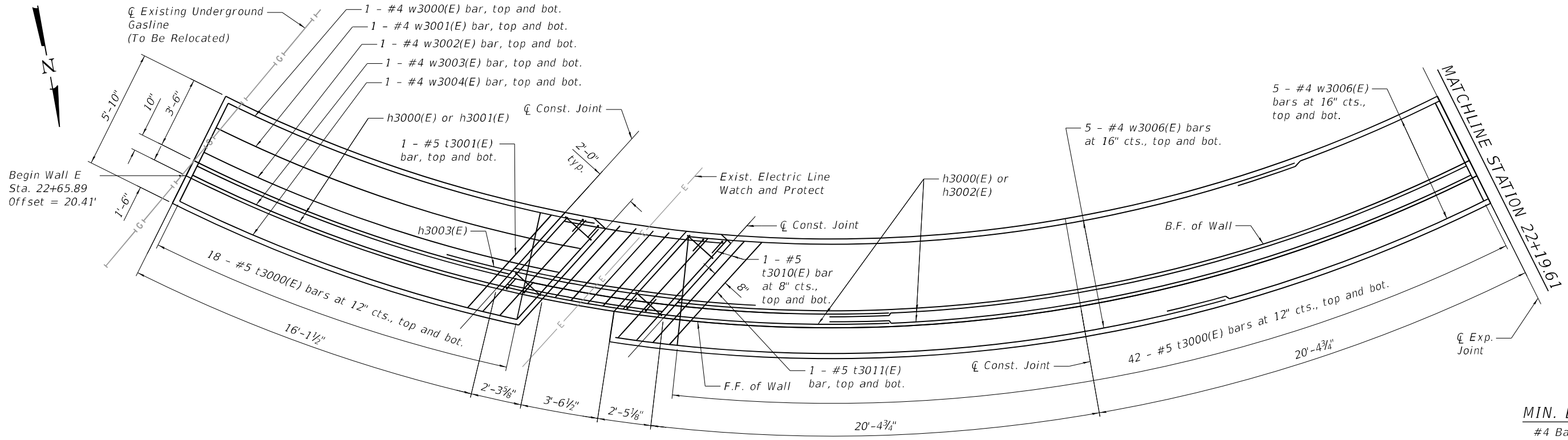
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, TOTAL BILL OF MATERIAL, AND DETAILS  
STRUCTURE NO. 090-8518**

SHEET 55-2 OF 55-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1:R	TAZEWELL	1173	836
CONTRACT NO. 68C55				

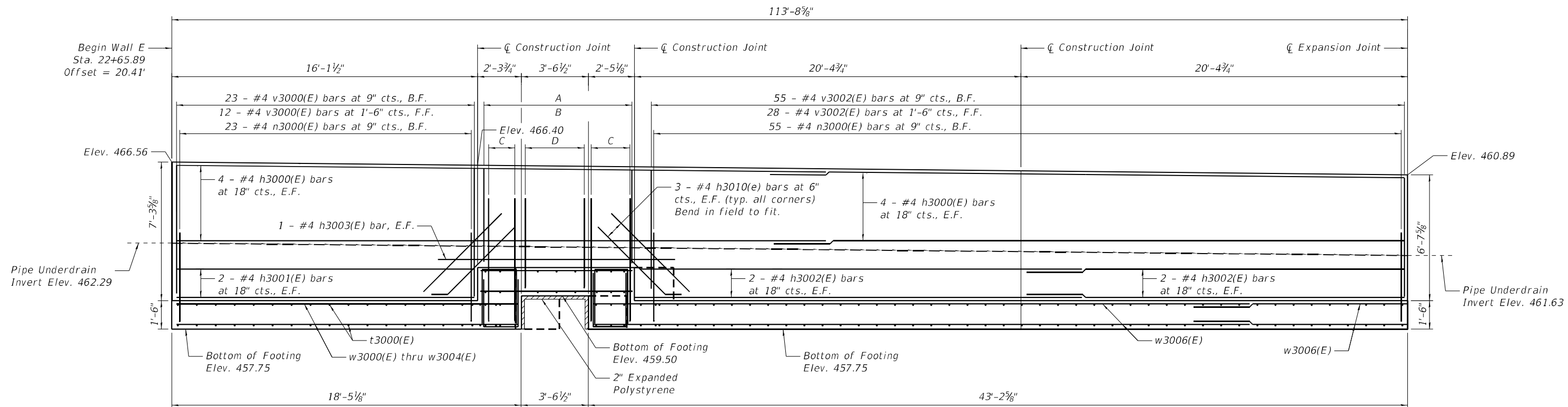
ILLINOIS FED. AID PROJECT



**MIN. BAR LAPS**  
 #4 Bars = 2'-11"

**PARTIAL PLAN**

Bars to be provided straight and are to be sprung and tied in the field as necessary to accommodate curvature.



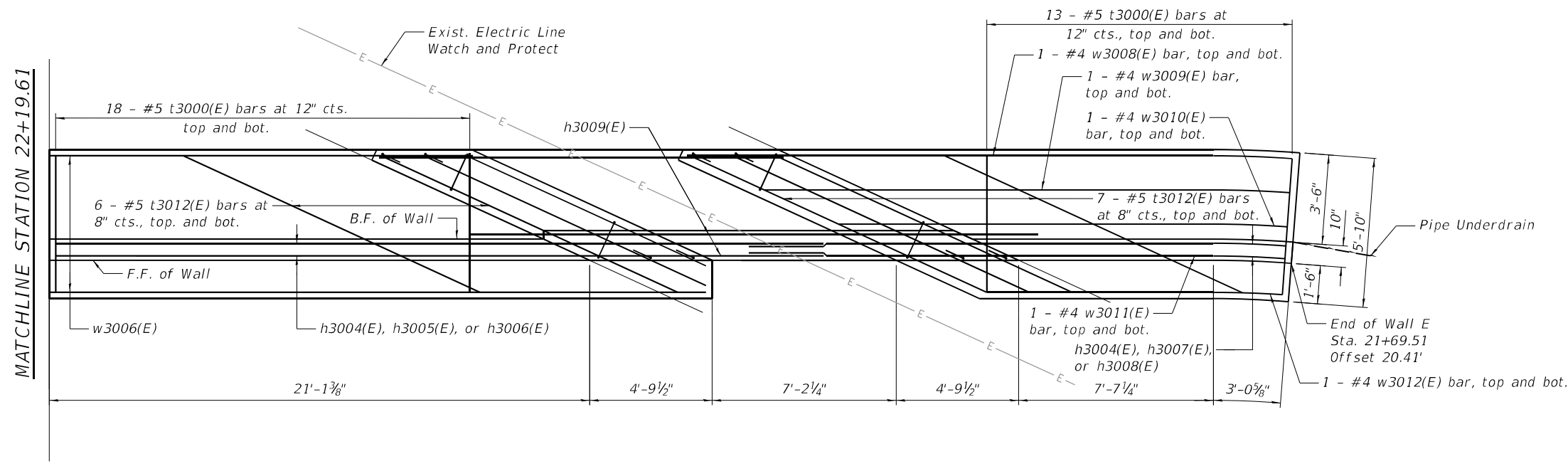
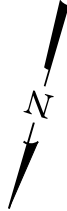
**PARTIAL ELEVATION (DEVELOPED)**

A = 13 - #4 v3001(E) bars at 9" cts., B.F.  
 B = 7 - #4 v3001(E) bars at 1'-6" cts., F.F.  
 C = 4 - #4 n3001(E) bars at 7" cts., B.F.  
 D = 5 - #4 n3000(E) bars at 9" cts., B.F.

- NOTES**
- For step reinforcement details see Detail A on Sheet S5-5.
  - Dimensions are measured along F.F. of wall.
  - Expanded Polystyrene shall be included in the cost of Concrete Structures (Retaining Wall).

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 One South Wacker Drive | Suite 2650 | Chicago, IL 60606  
 312.425.9100 | 312.425.9101 | www.infrastructure-eng.com

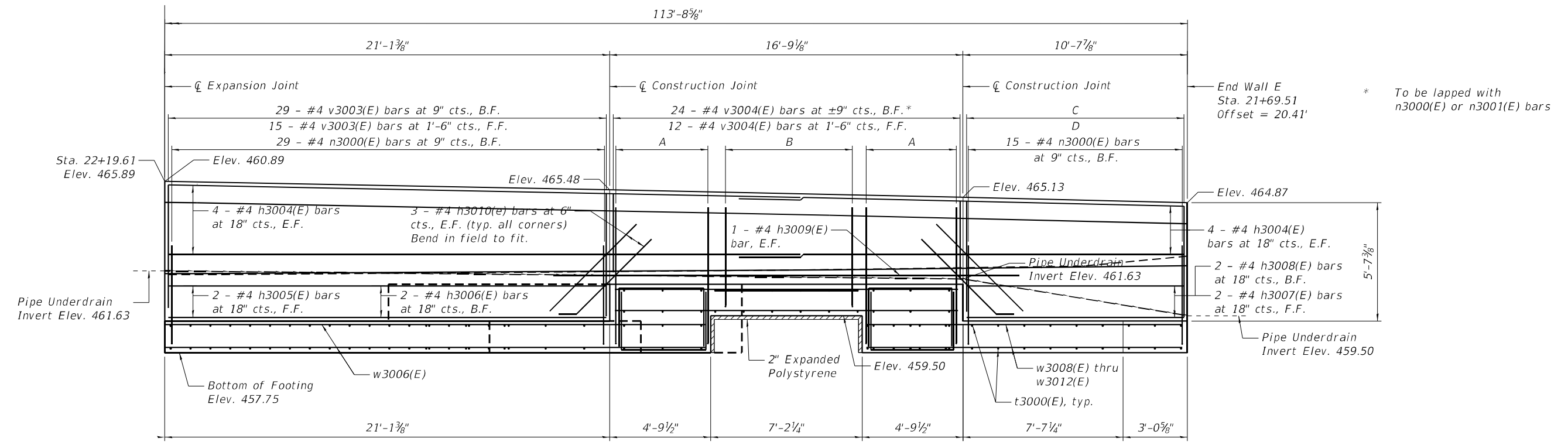
	USER NAME = DLamb	DESIGNED - MDA	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILED PLAN AND ELEVATION 1</b> <b>STRUCTURE NO. 090-8518</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 5:3,9997 "/>									
PLOT DATE = 6/6/2023	CHECKED - KPS	DRAWN - MDA	REVISED -			VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	837
		CHECKED - KPS	REVISED -						CONTRACT NO. 68C55	
						SHEET S5-3 OF 55-6 SHEETS		ILLINOIS FED. AID PROJECT		



**MIN. BAR LAPS**  
#4 Bars = 2'-11"

**PARTIAL PLAN**

Bars to be provided straight and are to be sprung and tied in the field as necessary to accommodate curvature.



**PARTIAL ELEVATION (DEVELOPED)**

A = 7 - #4 n3001(E) bars at 8" cts., B.F.  
B = 10 - #4 n3000(E) bars at 9" cts., B.F.  
C = 15 - #4 v3005(E) bars at 9" cts., B.F.  
D = 8 - #4 v3005(E) bars at 1'-6" cts., F.F.

**NOTES**

1. For step reinforcement details see Detail B on Sheet S5-5.
2. Dimensions are measured along F.F. of wall.
3. Expanded Polystyrene shall be included in the cost of Concrete Structures (Retaining Wall).

MODEL SHEET  
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PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -
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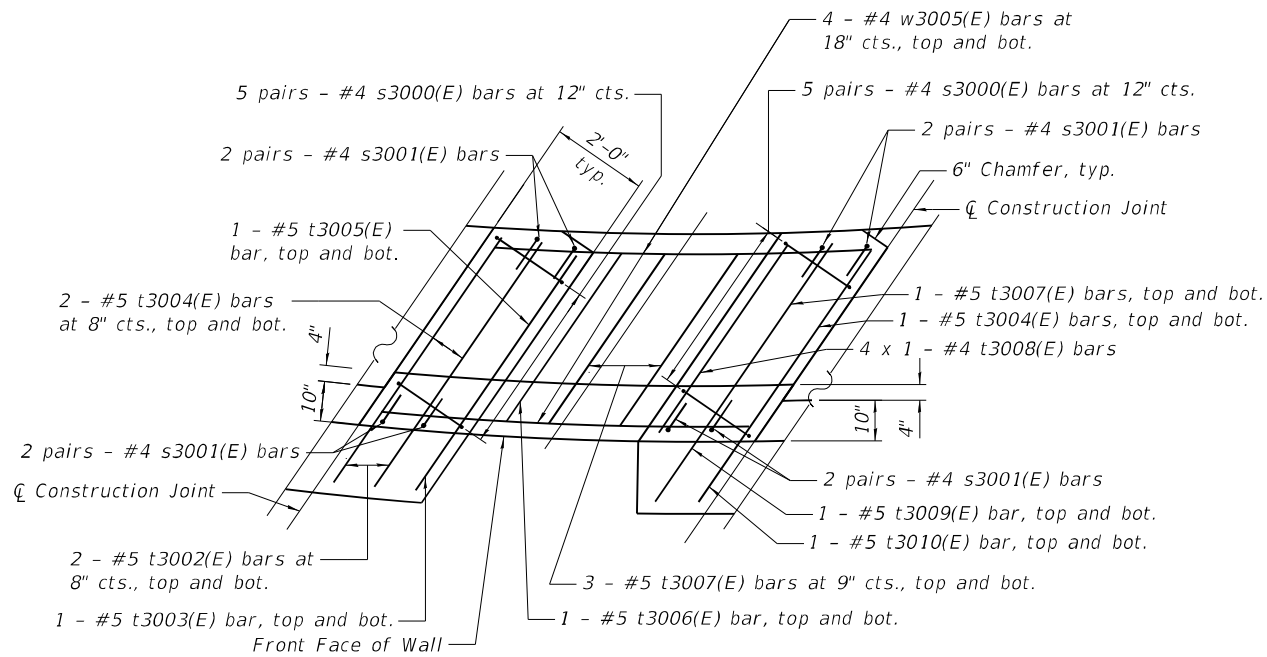
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION 2  
STRUCTURE NO. 090-8518**

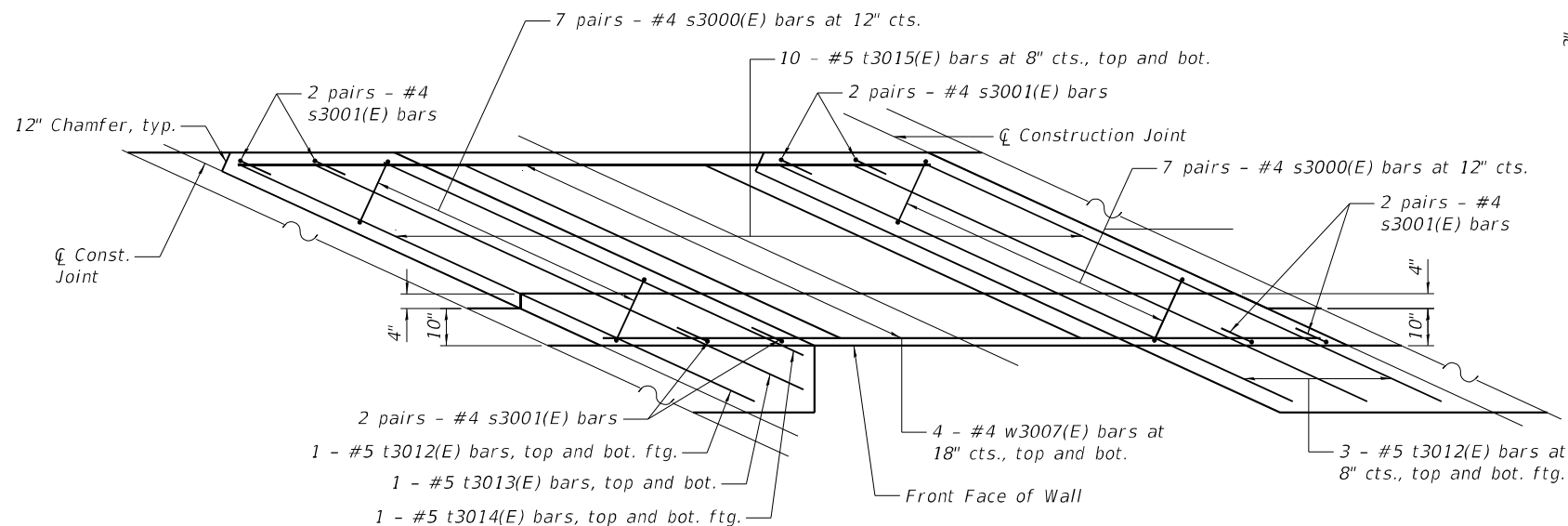
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	838
			CONTRACT NO. 68C55	
ILLINOIS FED. AID PROJECT				

SHEET S5-4 OF 55-6 SHEETS

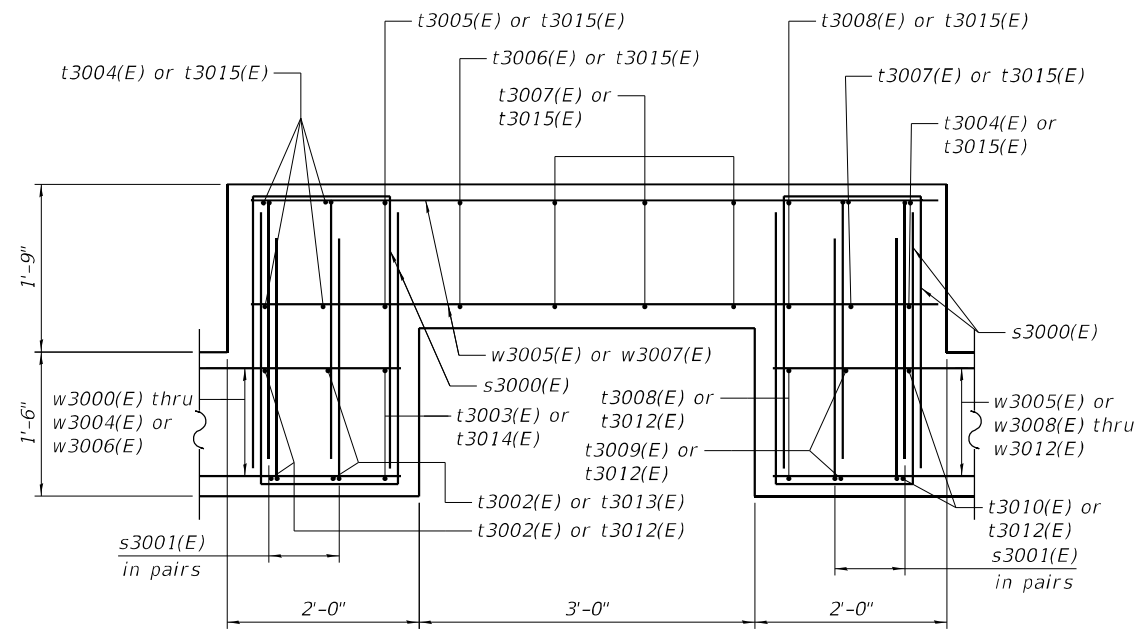
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 One South Wacker Drive | Suite 2650 | Chicago, IL 60606  
 312.425.9100 | 312.425.9101 | www.infrastructur-eng.com



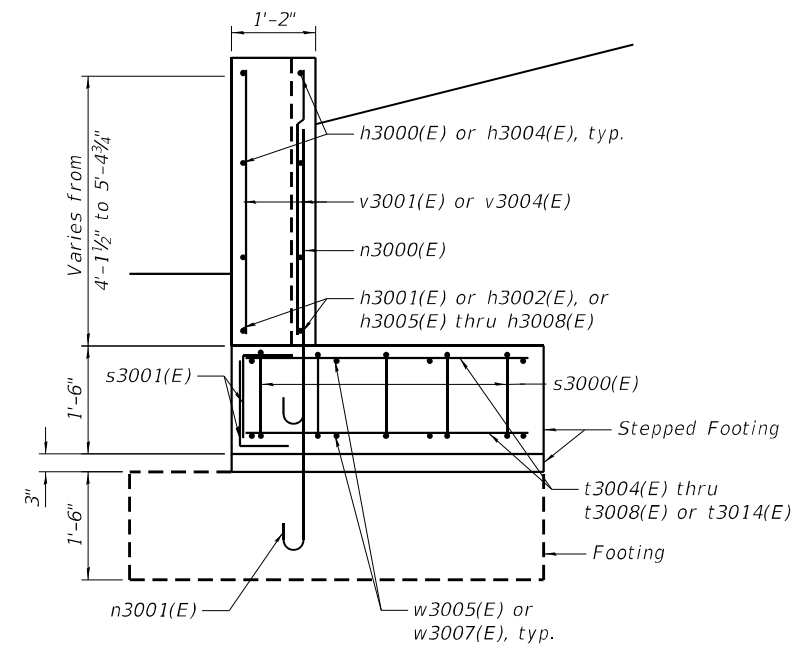
**DETAIL A**



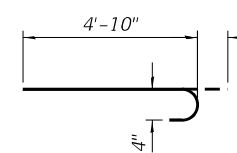
**DETAIL B**



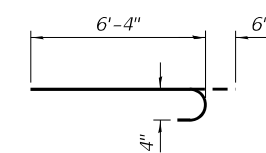
**FOOTING STEP DETAIL**



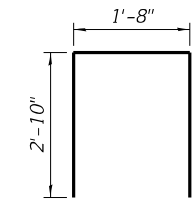
**SECTION THRU FOOTING STEP**



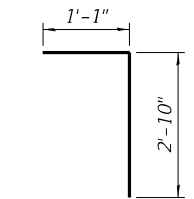
**BAR n3000(E)**



**BAR n3001(E)**



**BAR s3000(E)**



**BAR s3001(E)**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h3000(E)	16	#4	34'-1"	—
h3001(E)	4	#4	15'-7"	—
h3002(E)	8	#4	21'-11"	—
h3003(E)	2	#4	13'-8"	—
h3004(E)	16	#4	25'-9"	—
h3005(E)	2	#4	20'-9"	—
h3006(E)	2	#4	19'-3"	—
h3007(E)	2	#4	10'-7"	—
h3008(E)	2	#4	11'-8"	—
h3009(E)	2	#4	22'-8"	—
h3010(E)	24	#4	5'-10"	—
n3000(E)	137	#4	5'-4"	—
n3001(E)	22	#4	6'-10"	—
s3000(E)	48	#4	7'-4"	—
s3001(E)	32	#4	3'-11"	—
t3000(E)	182	#5	5'-6"	—
t3001(E)	2	#5	6'-1"	—
t3002(E)	4	#5	6'-2"	—
t3003(E)	2	#5	5'-11"	—
t3004(E)	6	#5	4'-7"	—
t3005(E)	2	#5	4'-3"	—
t3006(E)	2	#5	4'-8"	—
t3007(E)	8	#5	4'-9"	—
t3008(E)	4	#5	4'-10"	—
t3009(E)	2	#5	6'-6"	—
t3010(E)	4	#5	6'-7"	—
t3011(E)	2	#5	6'-8"	—
t3012(E)	34	#5	12'-9"	—
t3013(E)	2	#5	12'-1"	—
t3014(E)	2	#5	10'-4"	—
t3015(E)	20	#5	9'-4"	—
v3000(E)	35	#4	6'-9"	—
v3001(E)	20	#4	4'-11"	—
v3002(E)	83	#4	6'-3"	—
v3003(E)	44	#4	5'-10"	—
v3004(E)	35	#4	3'-9"	—
v3005(E)	23	#4	5'-3"	—
w3000(E)	2	#4	18'-10"	—
w3001(E)	2	#4	18'-9"	—
w3002(E)	2	#4	18'-4"	—
w3003(E)	2	#4	17'-11"	—
w3004(E)	2	#4	17'-5"	—
w3005(E)	8	#4	7'-10"	—
w3006(E)	20	#4	36'-6"	—
w3007(E)	8	#4	15'-5"	—
w3008(E)	2	#4	23'-7"	—
w3009(E)	2	#4	20'-6"	—
w3010(E)	2	#4	17'-6"	—
w3011(E)	2	#4	14'-8"	—
w3012(E)	2	#4	11'-6"	—
Reinforcement Bars, Epoxy Coated		Pound	5,680	

**FOOTING STEP DETAILS  
STRUCTURE NO. 090-8518**

SHEET 55-5 OF 55-6 SHEETS

USER NAME = Dlamb	DESIGNED - MDA	REVISED -
PLOT SCALE = 0:2.0000' = 1" / in.	CHECKED - KPS	REVISED -
PLOT DATE = 6/6/2023	DRAWN - MDA	REVISED -
	CHECKED - KPS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1:R	TAZEWELL	1173	839
CONTRACT NO. 68C55			ILLINOIS FED. AID PROJECT	

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWE-01**  
WEI Job No.: 707-21-03

Date: NAVD 88  
Elevation: 462.00 ft  
North: 1456669.67 ft  
East: 2458768.42 ft  
Station: 21+82.96  
Offset: 15.5534 LT

Client: Michael Baker  
Project: Cedar Street Extension Phase 2, Retaining Walls  
Location: East Peoria, Illinois

Telephone:  
Fax:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
481.74	74-inch thick, black SILTY CLAY LOAM, damp						441.5	little gravel; moist to wet					
480.3	Soft (0.25P), brown CLAY LOAM, damp		1	2 2 3	NP	13		Medium stiff, brown CLAY LOAM, some gravel; moist		9	6 5 11	0.75	12
459.1	Loose, brown, fine to medium SAND, damp		2	8 9 9	NP	7		Stiff, brown SILTY CLAY LOAM, trace gravel; moist to wet		10	8 3 3	1.07	24
456.0	Medium dense, gray SANDY GRAVEL, damp		3	5 2 2	0.50	15		Boring terminated at 25.00 ft		25			
	Medium stiff to stiff, brown to gray SILTY CLAY LOAM; damp		4	2 3 3	1.07	23				30			
			5	2 3 4	1.50	29				35			
			6	2 3 4	1.50	21				40			
446.5	Medium stiff, brown SILTY LOAM, few sand seams, little gravel; moist		7	3 3 5	0.75	17							
444.0	Medium dense, brown LOAM,		8	7 5 5	NP	14							

**GENERAL NOTES**

Begin Drilling: 04-01-2022 Complete Drilling: 04-04-2022

Drilling Contractor: Wang Testing Services Drill Rig: 21D50A [84%]

Driller: K&A&J Logger: M. Sadowski Checked by: J. Bensen

Drilling Method: 3.25" ID HSA; backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 20.50 ft

At Completion of Drilling: 21.50 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.

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG RWE-02**  
WEI Job No.: 707-21-03

Date: NAVD 88  
Elevation: 461.50 ft  
North: 1456666.66 ft  
East: 2458822.05 ft  
Station: 22+33.89  
Offset: 0.3704 RT

Client: Michael Baker  
Project: Cedar Street Extension Phase 2, Retaining Walls  
Location: East Peoria, Illinois

Telephone:  
Fax:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
481.6	6-inch thick ASPHALT						440.0	SILTY CLAY LOAM; damp					
480.7	6-inch thick, brown SANDY GRAVEL		1	7 7 5	1.25	15		Medium dense, brown SANDY GRAVEL; saturated		9	10 13 6	NP	16
	Soft to stiff, dark gray and brown SILTY CLAY LOAM to CLAY LOAM, little gravel; damp		2	5 3 3	0.75	18		Stiff, brown and gray SILTY CLAY LOAM; damp to moist		10	3 3 4	1.15	23
	visible oil in sample		3	2 2 3	0.74	26		Boring terminated at 25.00 ft		25			
	L <sub>c</sub> (%)=31, P <sub>c</sub> (%)=13		4	2 2 2	0.41	22				30			
	%Gravel=0.7		5	1 1 2	0.66	19				35			
	%Sand=22.3		6	1 4 4	NP	17				40			
	%Silt=54.1		7	5 2 2	NP	45							
	%Clay=22.9		8	2 3 4	NR								
	-A-6 (11)												
	-fuel odor-												
449.2	Loose, brown SANDY GRAVEL; saturated						442.3	Soft (0.25P), gray and brown					

**GENERAL NOTES**

Begin Drilling: 04-04-2022 Complete Drilling: 04-04-2022

Drilling Contractor: Wang Testing Services Drill Rig: 21D50A [84%]

Driller: K&A&J Logger: M. Sadowski Checked by: J. Bensen

Drilling Method: 3.25" ID HSA; backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 12.50 ft

At Completion of Drilling: 23.50 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.

**Wang Engineering**  
wangeng@wangeng.com

**BORING LOG SGB-05**  
WEI Job No.: 707-21-03

Date: NAVD 88  
Elevation: 461.20 ft  
North: 1456664.27 ft  
East: 2458857.63 ft  
Station: 98+27.09  
Offset: 63.23 RT

Client: Michael Baker  
Project: Cedar Street Extension Phase 2, Retaining Walls  
Location: East Peoria, Illinois

Telephone:  
Fax:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
450.7	6-inch thick, black SILTY CLAY LOAM		1	5 4 4	3.50	9		Very stiff, brown LOAM, some gravel; damp		2	5 5 5	NP	6
450.7			2	5 5 5				Medium dense, brown, medium SAND; moist		3	3 3 3	1.31	32
450.7			3	3 3 3				Stiff, dark brown SILTY CLAY LOAM		4	2 2 4	0.74	34
450.7			4	2 2 2				Boring terminated at 12.00 ft		5	2 2 3	0.66	27
450.7			5	2 2 3						6	3 3 3	1.07	24
450.7			6	3 3 4									

**GENERAL NOTES**

Begin Drilling: 06-12-2019 Complete Drilling: 06-12-2019

Drilling Contractor: Wang Testing Services Drill Rig: 18D25A [85%]

Driller: N&A Logger: F. Bozga Checked by: C. Marin

Drilling Method: 2.25" HSA; boring backfilled upon completion

**WATER LEVEL DATA**

While Drilling: 10.00 ft

At Completion of Drilling: 10.00 ft

Time After Drilling: NA

Depth to Water: NA

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

MODEL: Default FILE NAME: p:\projects\2022\03\Documents\Chicago\_11001\_Projects\179140\_IDOT\_CedarStExt\_Ph1\5.0\_CADD\CAD\_Sheets\Retaining\_Wall\_Sheets\090515\68C55-WALL-RWE-005.dgn



USER NAME = DLamb	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = 0.1667' / in.	DRAWN -	REVISED -
PLOT DATE = 6/6/2023	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS  
STRUCTURE NO. 090-8518  
SHEET 55-6 OF 55-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	840
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

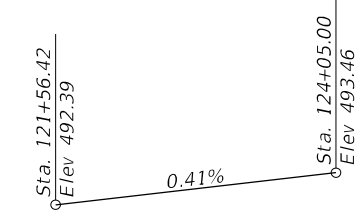


Bench Mark: Control Point #53 Set iron rod at SE corner of Main St and Ravine St.  
 Northing: 1455202.73, Easting: 2457086.15, Elev. 493.64

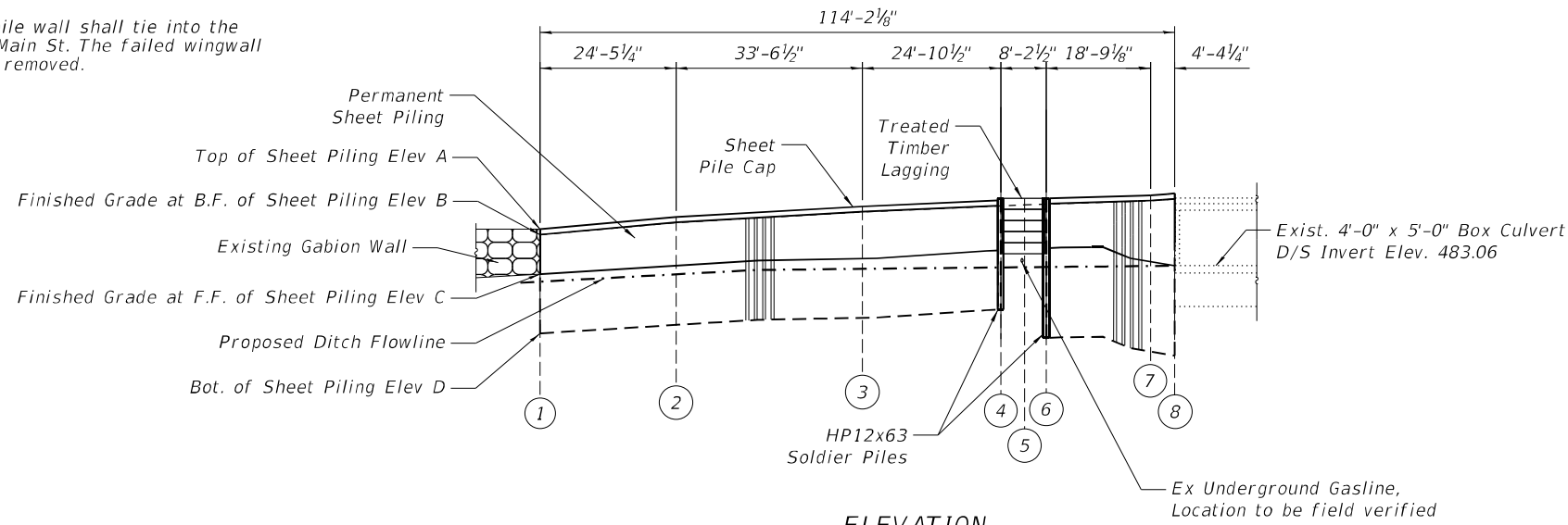
Existing structure: The proposed sheet pile wall shall tie into the existing 4'-0"x5'-0" box culvert crossing Main St. The failed wingwall at the NE corner of box culvert shall be removed.

Traffic will be staged on Main St.

No salvage



**PROFILE GRADE**  
 (along  $\bar{C}$  Main St)

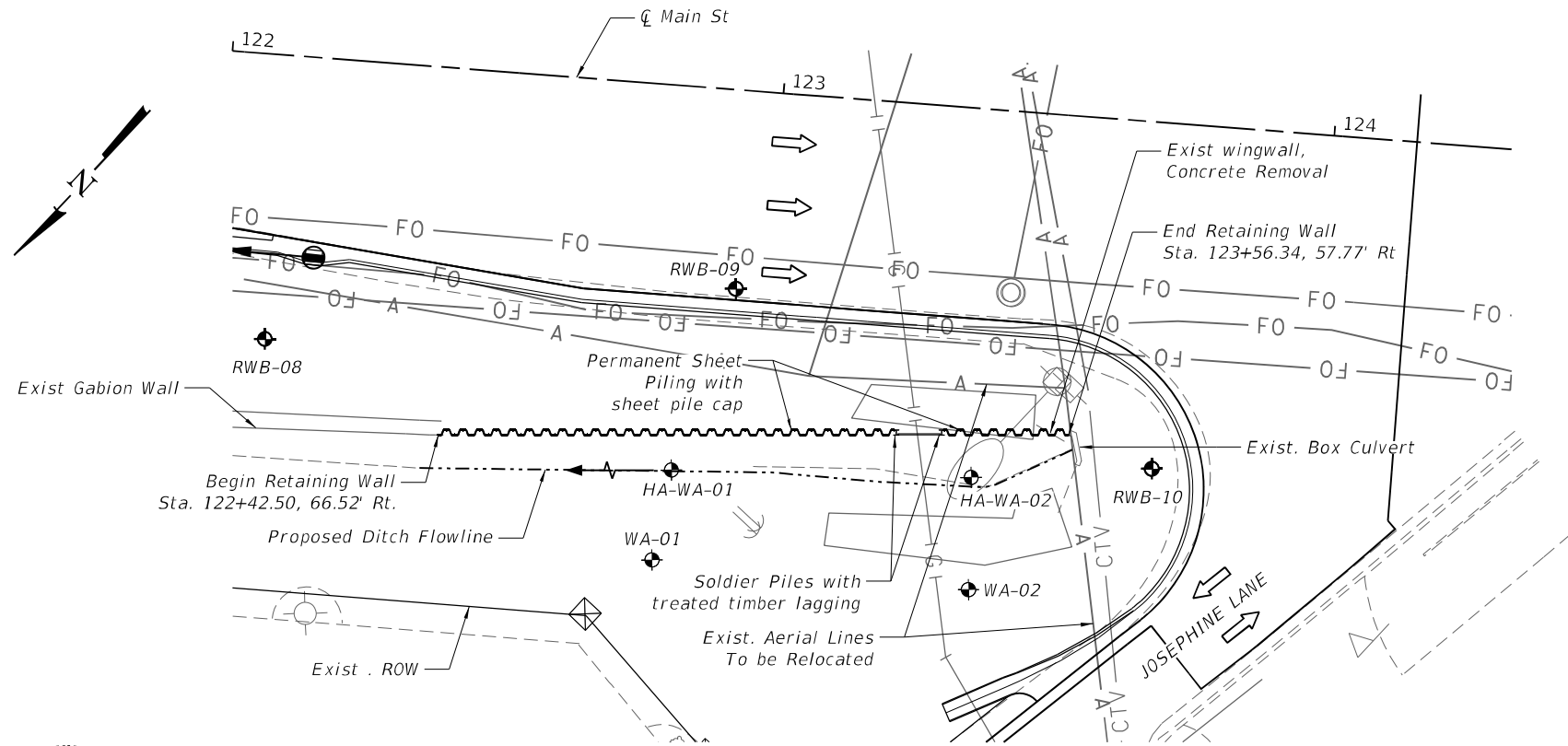


**ELEVATION**  
 (Looking at F.F. of Wall)  
 See Wall Elevation Table

Section	Station	Offset	Top of Sheet Piling / Timber Lagging Elev A	Finished Grade at B.F. of Sheet Piling / Timber Lagging Elev B	Finished Grade at F.F. of Sheet Piling / Timber Lagging Elev C	Sheet Piling / Pile Tip Elev D
1	122+42.50	66.52	486.34	485.84	482.29	466.29
2	122+66.86	64.65	487.44	486.94	483.06	467.06
3	123+00.30	62.08	488.40	487.90	484.11	468.11
4	123+24.61	60.21	488.94	488.44	484.43	468.43
5	123+29.41	59.84	489.06	488.56	484.54	463.04
6	123+33.80	59.50	489.12	488.62	484.64	463.14
7	123+52.00	58.10	489.41	488.91	483.42	461.92
8	123+56.34	57.77	489.57	489.07	483.06	461.56

**NOTES**

1. Station and offsets are measured along  $\bar{C}$  Main St to the front face of the wall.
2. F.F. denotes Front Face.
3. B.F. denotes Back Face.



**PLAN**

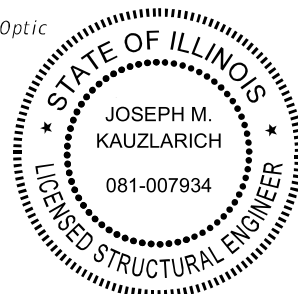
**DESIGN SPECIFICATIONS**  
 2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

**DESIGN STRESSES**  
 FIELD UNITS

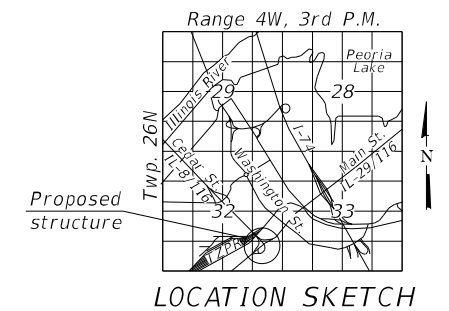
$f_y = 50,000$  psi (M270 Grade 50) Sheet Piling

**LEGEND**

- ⊕ Soil Boring Location
- A — Existing Aerial Electric Line
- CTV — Existing Underground Cable TV
- G — Existing Underground Gasline
- FO — Existing Underground Fiber Optic
- ⊙ Proposed Drainage Inlet
- ➔ Direction of Traffic



SIGNED: *Joseph M. Kauzlarich*  
 Joseph M. Kauzlarich  
 H. Lic. No. 081-007934  
 Expires 11-30-2024  
 DATE: 6/8/2023



**LOCATION SKETCH**

**GENERAL PLAN**  
 RETAINING WALL ALONG MAIN ST AT JOSEPHINE LN  
 F.A.P. 669 - SECTION 13(HVB, HB-3) BR  
 TAZEWELL COUNTY  
 STATION 122+43.38 TO 123+56.35

<b>Michael Baker International</b> 200 W Adams Street Suite 1500 Chicago, IL 60606 Tel: 312.707.8910 Fax: 312.707.8854	USER NAME = DLamb	DESIGNED - YC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL PLAN AND ELEVATION</b> <b>RETAINING WALL ALONG MAIN ST &amp; JOSEPHINE LN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 31.9999" / ft.	DRAWN - AWM	REVISED -			VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	841
	PLOT DATE = 5/8/2023	CHECKED - JMK	REVISED -			CONTRACT NO. 68C55		ILLINOIS FED. AID PROJECT		

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**GENERAL NOTES**

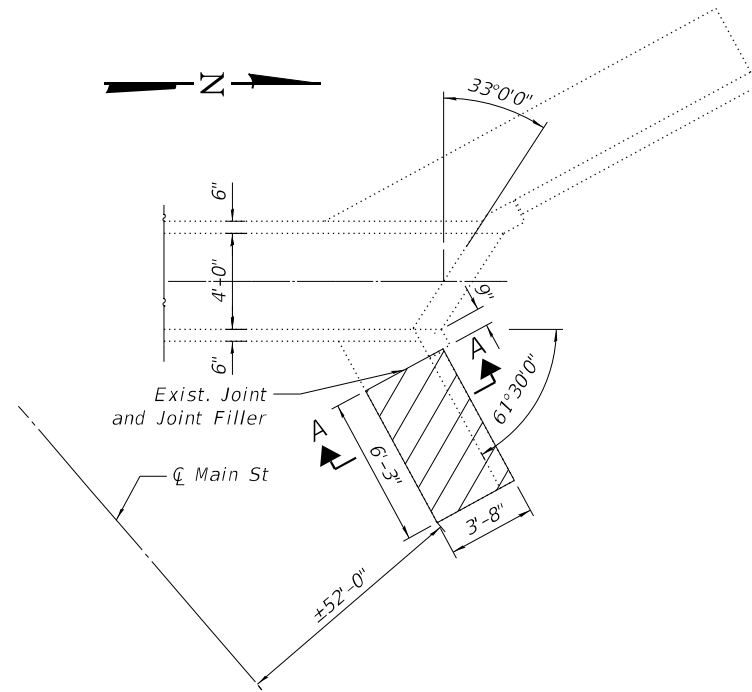
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Existing utilities in conflict with retaining wall construction shall be protected, abandoned, or relocated according to directions given on the roadway plans. The Contractor shall field verify utilities to be protected to ensure they do not conflict with proposed construction and make necessary approved adjustments prior to construction or ordering of materials.
- The Contractor shall provide a method to assure the soldier or sheet piles achieve at least the plan tip elevations. The soldier or sheet pile locations and elevations shall meet the tolerances provided in the Standard Specifications. Any additional measures required to satisfy the construction tolerances will not be paid for separately but shall be included in Permanent Sheet Piling or Driving Soldier Piles.
- The Contractor is responsible for the design and performance of the treated timber lagging using no less than a 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
- Minimum Sheet Pile Section Modulus = 30.2 in<sup>3</sup>/ft. of wall
- The cost of furnishing and installing the bent R sheet pile cap and bolts, elastomeric mat, filter fabric, and BBS-M/F connector shall be included in the cost of Permanent Sheet Piling.
- Temporary soil retention system necessary for removal of existing culvert wingwall shall be included in the cost of Concrete Removal.

**INDEX OF SHEETS**

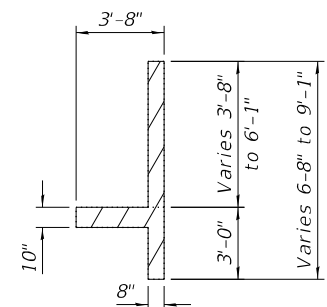
Sheet No.	Sheet Title
1	General Plan and Elevation
2	General Notes, Index of Sheets, Total Bill of Material
3	Detailed Plan and Elevation
4	Soil Borings

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Concrete Removal	Cu Yd	2
Permanent Sheet Piling	Sq Ft	2,318
Furnishing Soldier Piles (HP Section)	Foot	47
Driving Soldier Piles	Foot	47
Treated Timber Lagging	Sq Ft	35

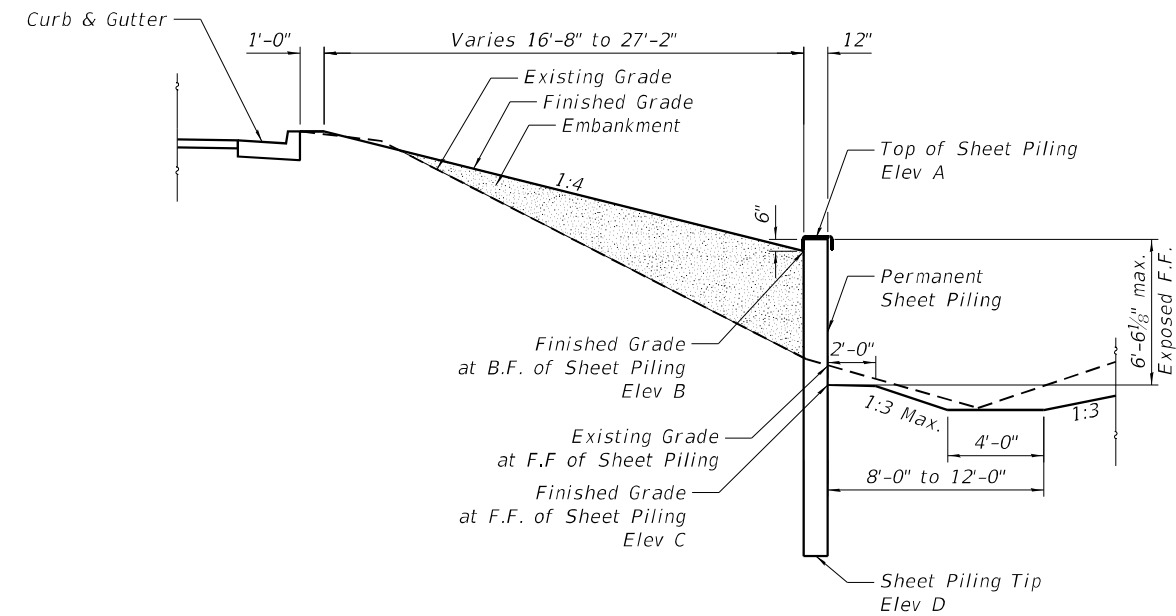


**EXISTING CULVERT - REMOVAL PLAN**

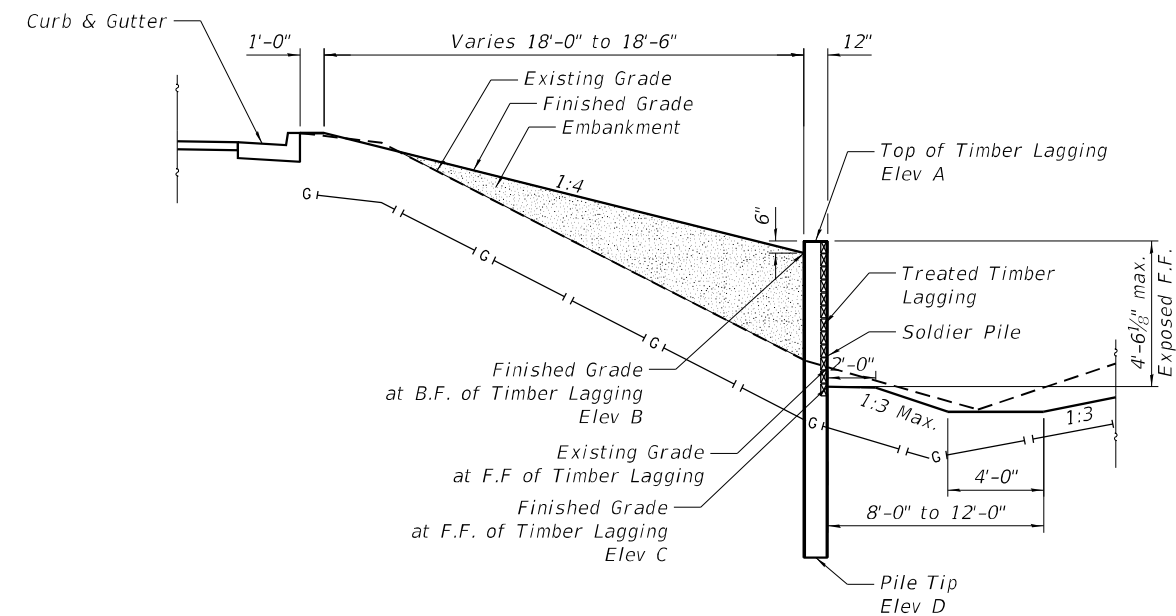


**EXISTING CULVERT - SECTION A-A**

**LEGEND**



**SECTION THRU SHEET PILE WALL**



**SECTION THRU TIMBER LAGGING**

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**Michael Baker INTERNATIONAL**  
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 Chicago, IL 60606  
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USER NAME = DLamb	DESIGNED - YC	REVISED -
	CHECKED - JMK	REVISED -
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PLOT DATE = 6/6/2023	CHECKED - JMK	REVISED -

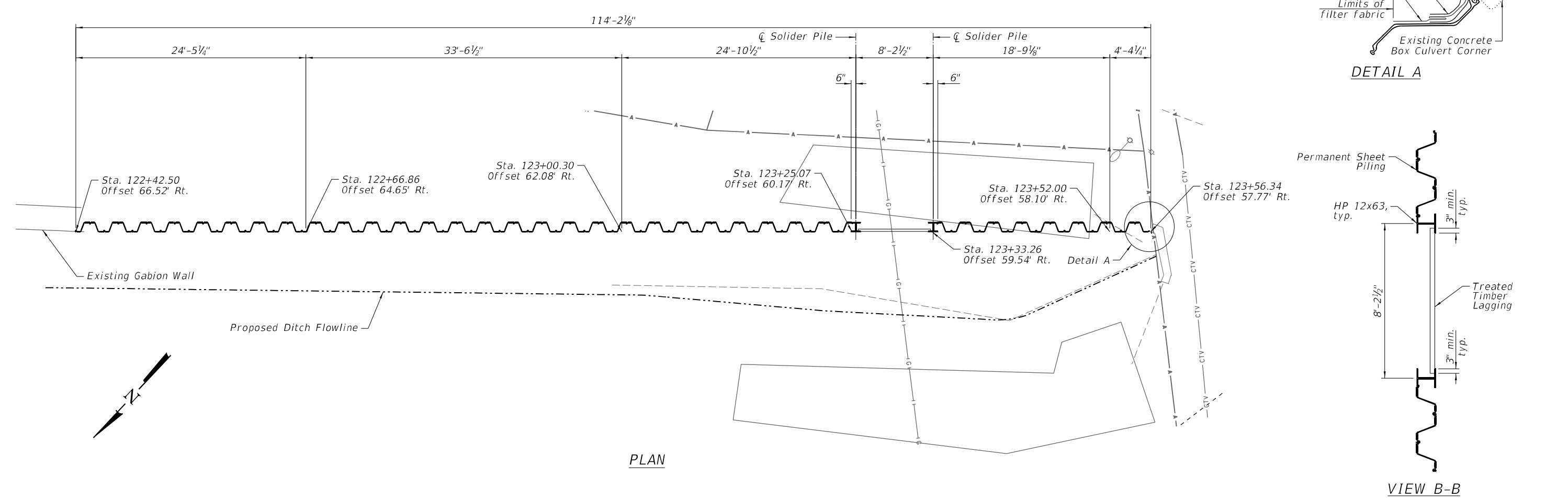
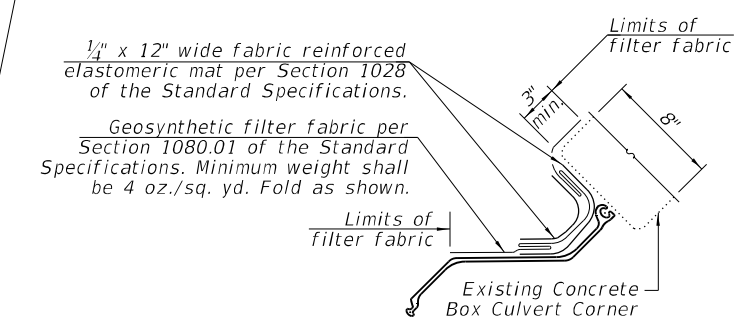
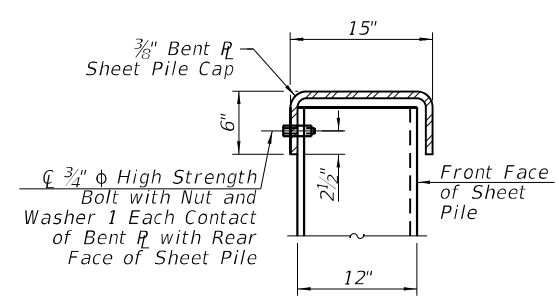
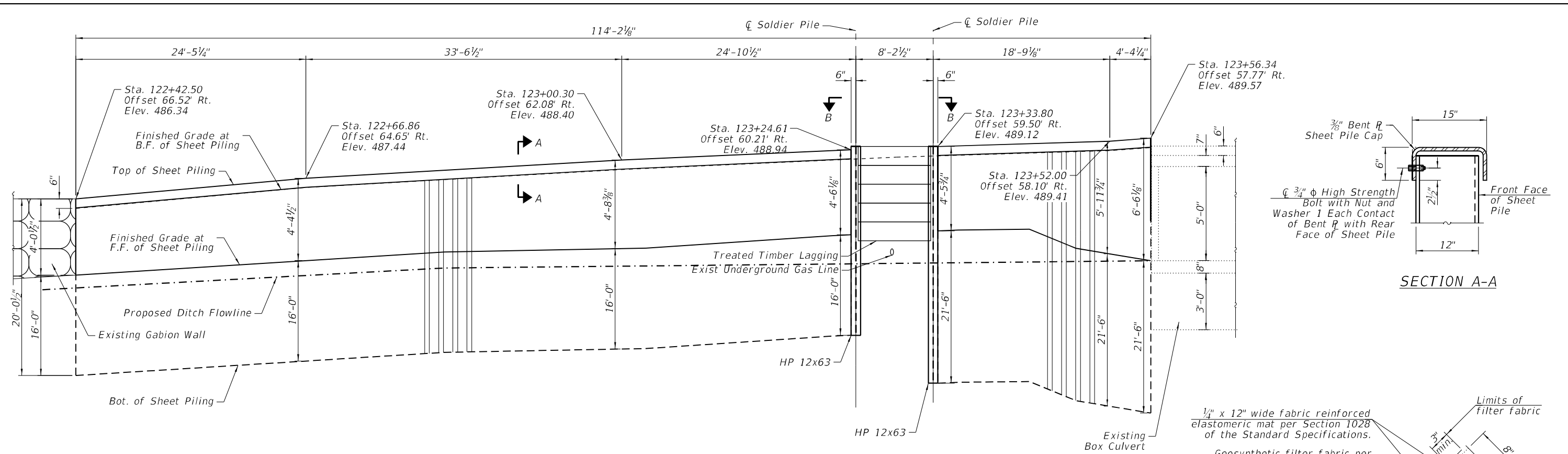
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS, TOTAL BILL OF MATERIAL  
 RETAINING WALL ALONG MAIN ST & JOSEPHINE LN**

SHEET 56-2 OF 56-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	842
CONTRACT NO. 68C55				

ILLINOIS FED. AID PROJECT



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 Fax: 312.707.8854

USER NAME = DLamb	DESIGNED - AWM	REVISD -
PLOT SCALE = 10,6666 * / in.	CHECKED - JMK	REVISD -
PLOT DATE = 6/6/2023	DRAWN - AWM	REVISD -
	CHECKED - JMK	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DETAILED PLAN AND ELEVATION  
 RETAINING WALL ALONG MAIN ST & JOSEPHINE LN**

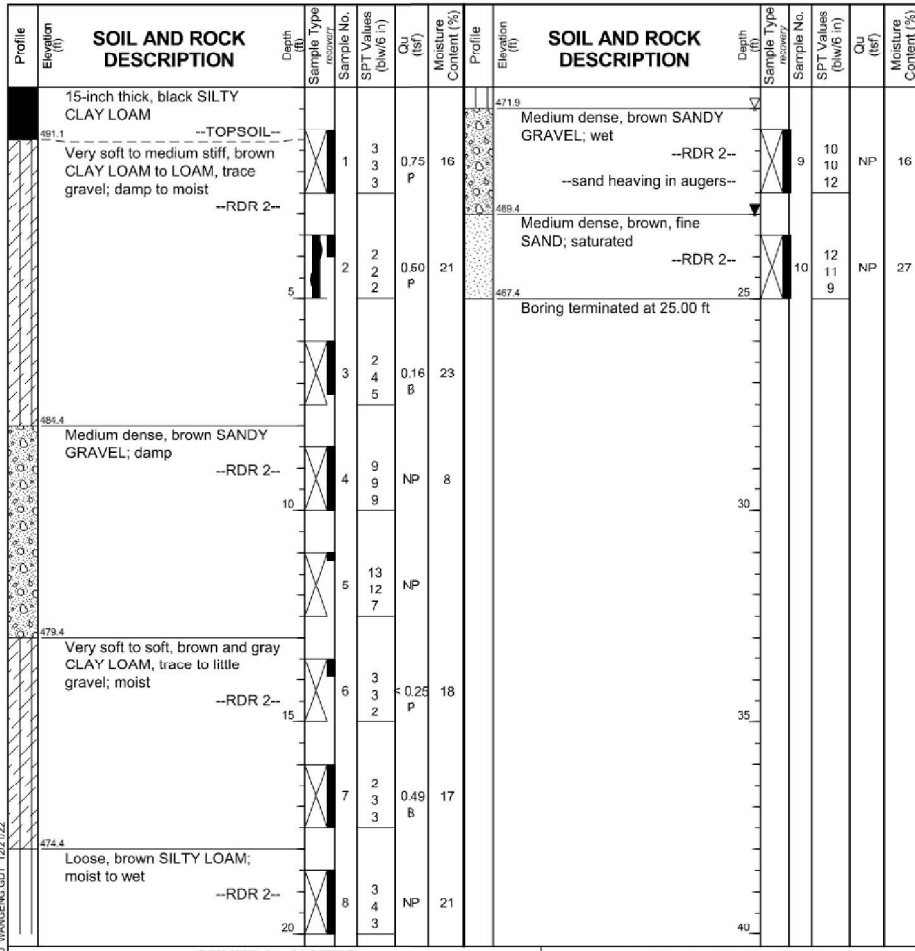
SHEET 56-3 OF 56-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	843
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL, 60148  
 Telephone: 630 953 9928  
 Fax: 630 953 9938

**BORING LOG RWB-08**  
 WEI Job No.: 707-21-03  
 Client: Michael Baker  
 Project: Cedar Street Extension Phase 2, Retaining Walls  
 Location: East Peoria, Illinois

Datum: NAVD 88  
 Elevation: 492.39 ft  
 North: 1455253.28 ft  
 East: 2456965.28 ft  
 Station: 74+34.72  
 Offset: 2.9084 LT

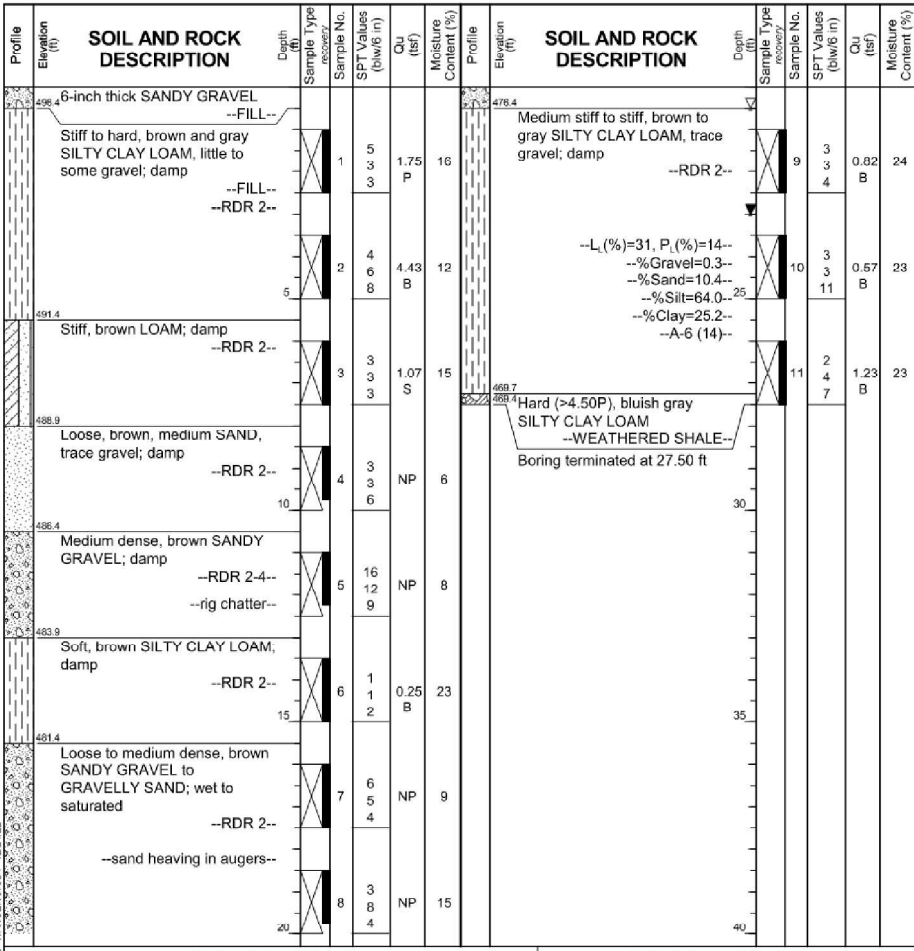


GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-29-2022	Complete Drilling	03-29-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	K&A&J	Logger	M. Sadowski
Checked by	J. Bensen	Time After Drilling	NA
Drilling Method	3.25" ID HSA; backfilled upon completion		
White Drilling	20.50 ft	At Completion of Drilling	23.00 ft
Depth to Water	NA	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.	

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 Fax: 630 953 9938

**BORING LOG RWB-09**  
 WEI Job No.: 707-21-03  
 Client: Michael Baker  
 Project: Cedar Street Extension Phase 2, Retaining Walls  
 Location: East Peoria, Illinois

Datum: NAVD 88  
 Elevation: 496.00 ft  
 North: 1455188.30 ft  
 East: 2456908.39 ft  
 Station: 75+19.18  
 Offset: 22.663 LT

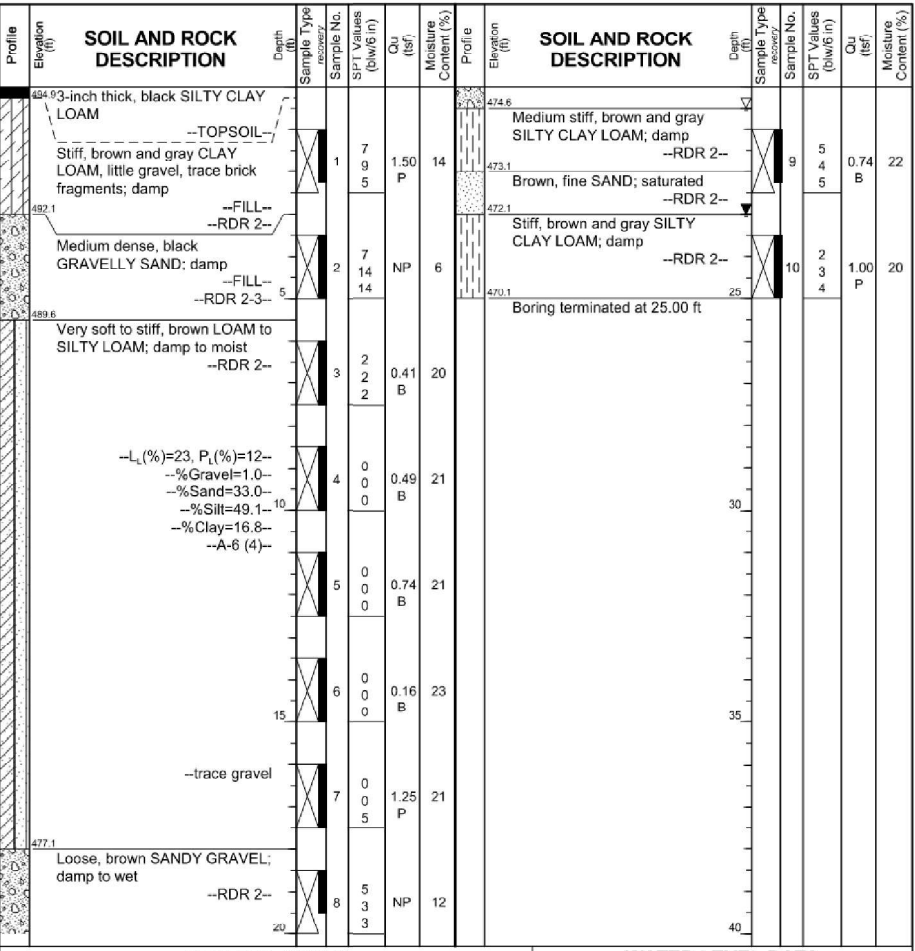


GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-29-2022	Complete Drilling	03-29-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	K&A&J	Logger	M. Sadowski
Checked by	J. Bensen	Time After Drilling	NA
Drilling Method	3.25" ID HSA; backfilled upon completion		
White Drilling	20.50 ft	At Completion of Drilling	23.00 ft
Depth to Water	NA	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.	

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 Fax: 630 953 9938

**BORING LOG RWB-10**  
 WEI Job No.: 707-21-03  
 Client: Michael Baker  
 Project: Cedar Street Extension Phase 2, Retaining Walls  
 Location: East Peoria, Illinois

Datum: NAVD 88  
 Elevation: 495.11 ft  
 North: 1455160.52 ft  
 East: 2456832.20 ft  
 Station: 75+96.75  
 Offset: 4.0583 RT



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-30-2022	Complete Drilling	03-30-2022
Drilling Contractor	Wang Testing Services	Drill Rig	21D50A [84%]
Driller	K&A&J	Logger	M. Sadowski
Checked by	J. Bensen	Time After Drilling	NA
Drilling Method	3.25" ID HSA; backfilled upon completion		
White Drilling	20.50 ft	At Completion of Drilling	23.00 ft
Depth to Water	NA	The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.	

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 WANGENG\7072103.GPJ WANGENG\GDT 12/21/22  
 WANGENG\7072103.GPJ WANGENG\GDT 12/21/22

**Michael Baker INTERNATIONAL**  
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 FAX: 312.707.8854

USER NAME = DLamb	DESIGNED - YC	REVISD -
	CHECKED - JMK	REVISD -
PLOT SCALE = 0.1667' / in.	DRAWN - AWM/ADM	REVISD -
PLOT DATE = 6/6/2023	CHECKED - JMK	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS  
 RETAINING WALL ALONG MAIN ST & JOSEPHINE LN**

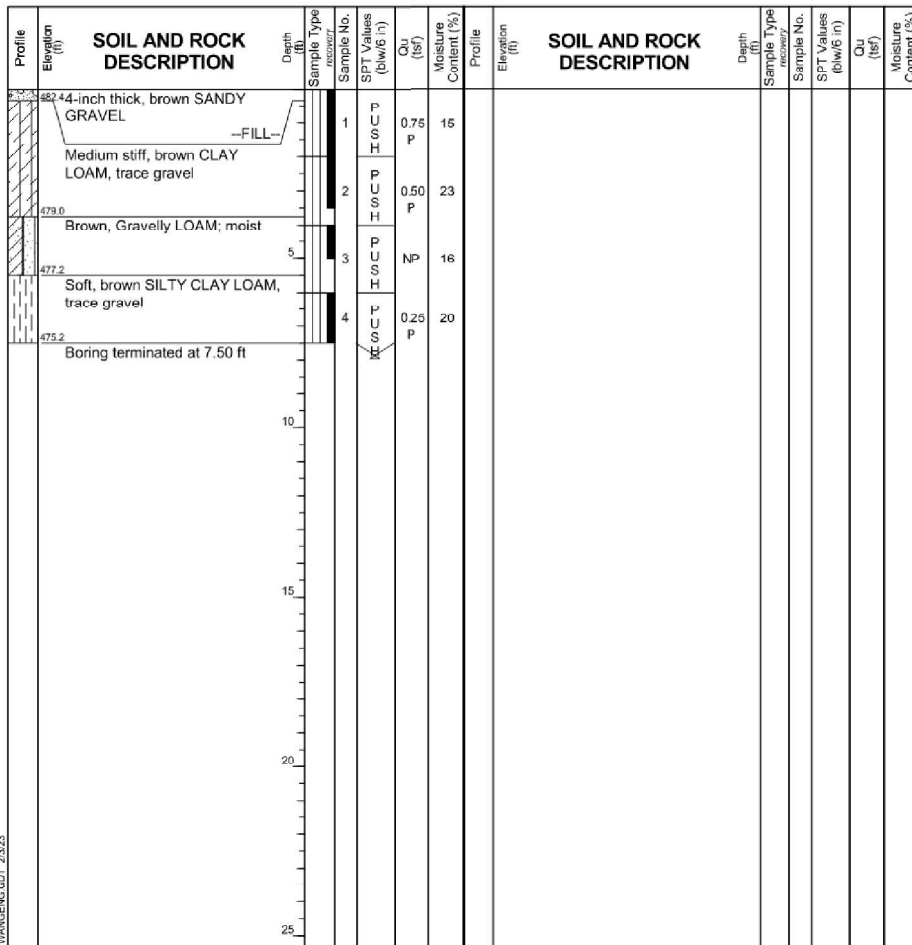
SHEET 56-4 OF 56-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	844
			CONTRACT NO. 68C55	
ILLINOIS FED. AID PROJECT				

**Wang Engineering**  
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 Lomard, IL 60148  
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 Fax: 630 953-9938

**BORING LOG HA-WA-01**  
 WEI Job No.: 707-21-03  
 Client: Michael Baker  
 Project: Cedar Street Extension Phase 2, Retaining Walls  
 Location: East Peoria, Illinois

Datum: NAVD 88  
 Elevation: 482.72 ft  
 North: 1455220.20 ft  
 East: 2456895.41 ft  
 Station: 122+85.01  
 Offset: 69.53 RT

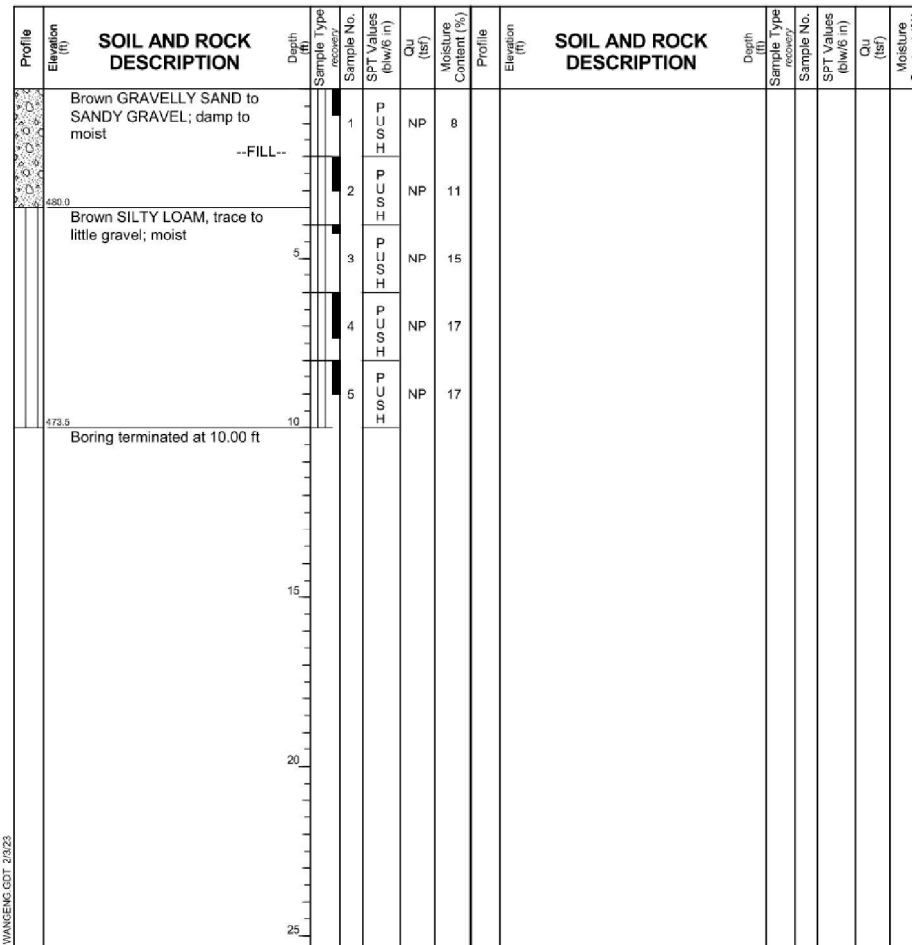


GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	01-26-2023	Complete Drilling	01-26-2023
Drilling Contractor	Wang Testing Services	Drill Rig	
Driller	N&D	Logger	F. Bozga
Checked by	J. Bensen	Drilling Method	1" ID HSA; boring backfilled upon completion
While Drilling	DRY	At Completion of Drilling	DRY
Time After Drilling	NA	Depth to Water	NA

**Wang Engineering**  
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 1145 N Main Street  
 Lomard, IL 60148  
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 Fax: 630 953-9938

**BORING LOG HA-WA-02**  
 WEI Job No.: 707-21-03  
 Client: Michael Baker  
 Project: Cedar Street Extension Phase 2, Retaining Walls  
 Location: East Peoria, Illinois

Datum: NAVD 88  
 Elevation: 483.54 ft  
 North: 1455184.05 ft  
 East: 2456854.96 ft  
 Station: 123+39.20  
 Offset: 66.71 RT

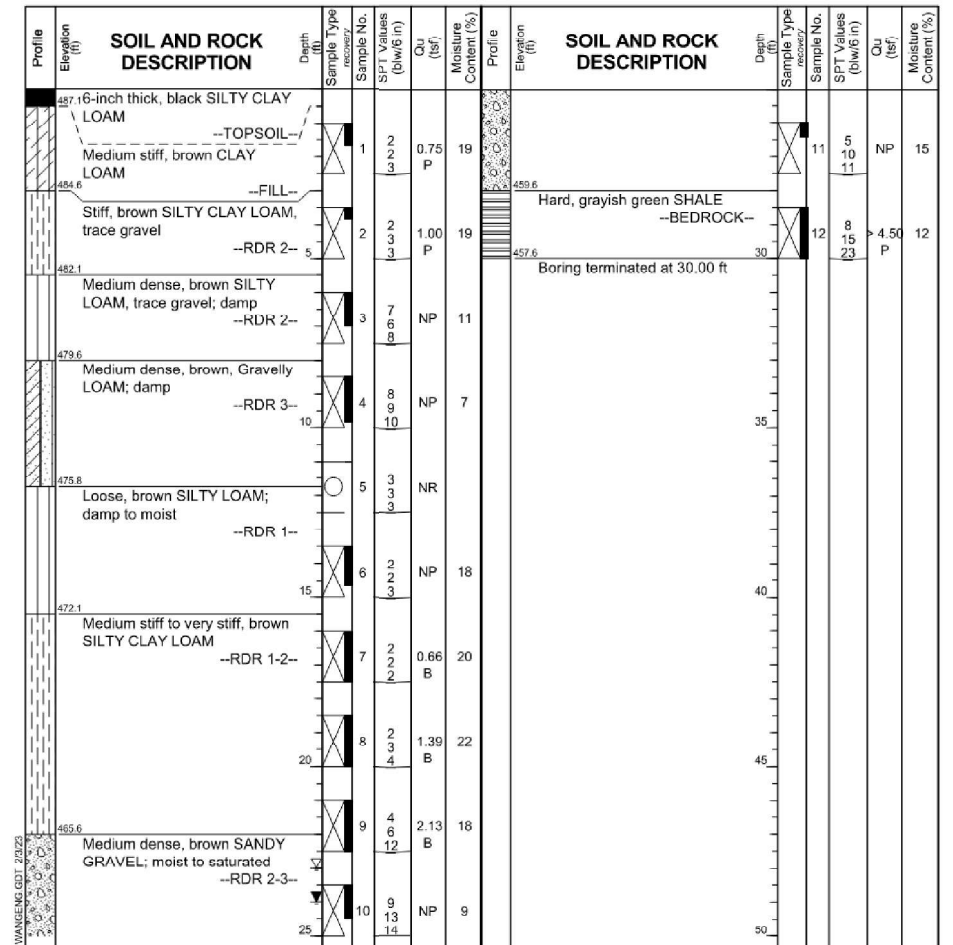


GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	01-26-2023	Complete Drilling	01-26-2023
Drilling Contractor	Wang Testing Services	Drill Rig	
Driller	N&D	Logger	F. Bozga
Checked by	J. Bensen	Drilling Method	1" ID HSA; boring backfilled upon completion
While Drilling	DRY	At Completion of Drilling	DRY
Time After Drilling	NA	Depth to Water	NA

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 Fax: 630 953-9938

**BORING LOG WA-01**  
 WEI Job No.: 707-21-03  
 Client: Michael Baker  
 Project: Cedar Street Extension Phase 2, Retaining Walls  
 Location: East Peoria, Illinois

Datum: NAVD 88  
 Elevation: 487.57 ft  
 North: 1455234.48 ft  
 East: 2456886.83 ft  
 Station: 122+82.76  
 Offset: 86.05 RT



GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	01-26-2023	Complete Drilling	01-26-2023
Drilling Contractor	Wang Testing Services	Drill Rig	20D25A [83%]
Driller	N&D	Logger	F. Bozga
Checked by	J. Bensen	Drilling Method	2.25" ID HSA; backfilled upon completion
While Drilling	DRY	At Completion of Drilling	23.00 ft
Time After Drilling	NA	Depth to Water	24.00 ft

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 WANGENG\7072105.GPJ WANGENG.GDT 2023

<b>Michael Baker INTERNATIONAL</b> 200 W Adams Street Suite 1500 Chicago, IL 60606 Tel: 312.707.8970 Fax: 312.707.8854	USER NAME = DLamb	DESIGNED - YC	REVISD -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORINGS</b> <b>RETAINING WALL ALONG MAIN ST &amp; JOSEPHINE LN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.1667' / in.	DRAWN - AWM/ADM	REVISD -			VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	845
PLOT DATE = 6/6/2023	CHECKED - JMK	REVISD -		SHEET 56-5 OF 56-6 SHEETS		CONTRACT NO. 68C55		ILLINOIS FED. AID PROJECT		

**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lomard, IL 60148  
 Telephone: 630 953-9928  
 Fax: 630 953-9938

**BORING LOG WA-02**  
 WEI Job No.: 707-21-03  
 Client: **Michael Baker**  
 Project: **Cedar Street Extension Phase 2, Retaining Walls**  
 Location: **East Peoria, Illinois**

Datum: NAVD 88  
 Elevation: 490.21 ft  
 North: 1455199.19 ft  
 East: 2456841.39 ft  
 Station: 123+40.28  
 Offset: 87.02 RT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
489.6	7-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Stiff, brown SILTY CLAY LOAM --FILL-- --RDR 2--	0	1	4 3 5	1.69 B	17	484.7	Stiff to very stiff, gray SILTY CLAY, trace gravel --RDR 2--	11	11	1.23 B	21	
487.2	Stiff, brown SILTY CLAY LOAM --RDR 2--	5	2	3 3 3	1.50 P	16			12	6 8 10	3.20 B	18	
484.7	Loose, brown SILTY LOAM; damp --RDR 1--	10	3	4 4 3	NP	18			30				
482.2	Loose, brown, Gravelly LOAM --RDR 2--	15	4	4 4 3	NP	9							
479.7	Medium dense, brown SILTY LOAM, few sand seams; moist --RDR 2--	20	5	4 5 13	NP	16							
477.2	Medium stiff, brown LOAM --RDR 1--	25	6	2 3 2	0.57 B	24							
471.0	Medium dense, brown SANDY GRAVEL; moist to saturated --RDR 2--	30	7	3 3 2	0.57 B	21							
466.5	Medium dense, gray SILTY LOAM --RDR 2--	35	8	4 3 3	NR								
		40	9	6 7 7	NP	15							
		45	10	5 5 5	NP	21							
		50											

GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	01-26-2023	Complete Drilling	01-26-2023	While Drilling	20.50 ft
Drilling Contractor	Wang Testing Services	Drill Rig	20D25A [83%]	At Completion of Drilling	24.00 ft
Driller	N&D	Logger	F. Bozga	Time After Drilling	NA
Checked by	J. Bensen	Drilling Method	2.25" ID HSA; backfilled upon completion	Depth to Water	NA

MODEL: Default  
 FILE: NAME: p:\projects\bus-bentley\combus-us-pw\03\Documents\Chicago\_11\01\_Projects\179740\_IDOT\_CedarStExt\_PRR15.0\_CADD\CAD\_Sheets\Retaining\_Wall\_Sheets\0200XXX\68C55-Sheet\_Pile\_Wall-005.dgn  
 WANGENGHC 7072103.GPJ WANGENG.GDT 2/3/23

**Michael Baker INTERNATIONAL**  
 200 W Adams Street  
 Suite 1500  
 Chicago, IL 60606  
 Tel: 312.707.8970  
 Fax: 312.707.8954

USER NAME = DLamb	DESIGNED - YC	REVISED -
PLOT SCALE = 0.1667' / in.	CHECKED - JMK	REVISED -
PLOT DATE = 6/6/2023	DRAWN - AWM/ADM	REVISED -
	CHECKED - JMK	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

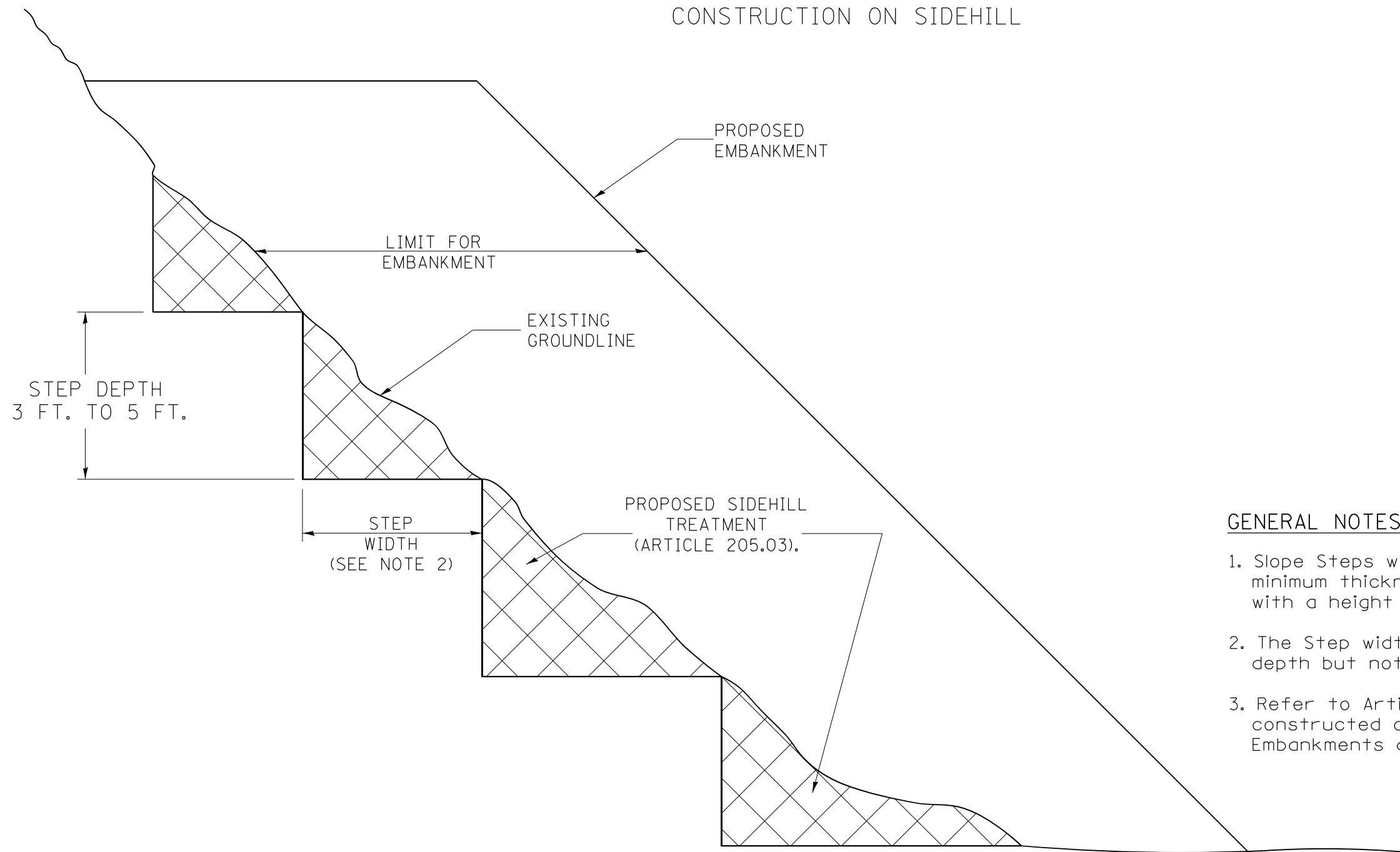
**SOIL BORINGS  
 RETAINING WALL ALONG MAIN ST & JOSEPHINE LN**

SHEET 56-6 OF 56-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	846
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

# SLOPE STEPS DETAIL

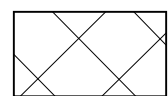
## TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



### GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "sliver fills" and on all fills with a height of 10 feet or greater.
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

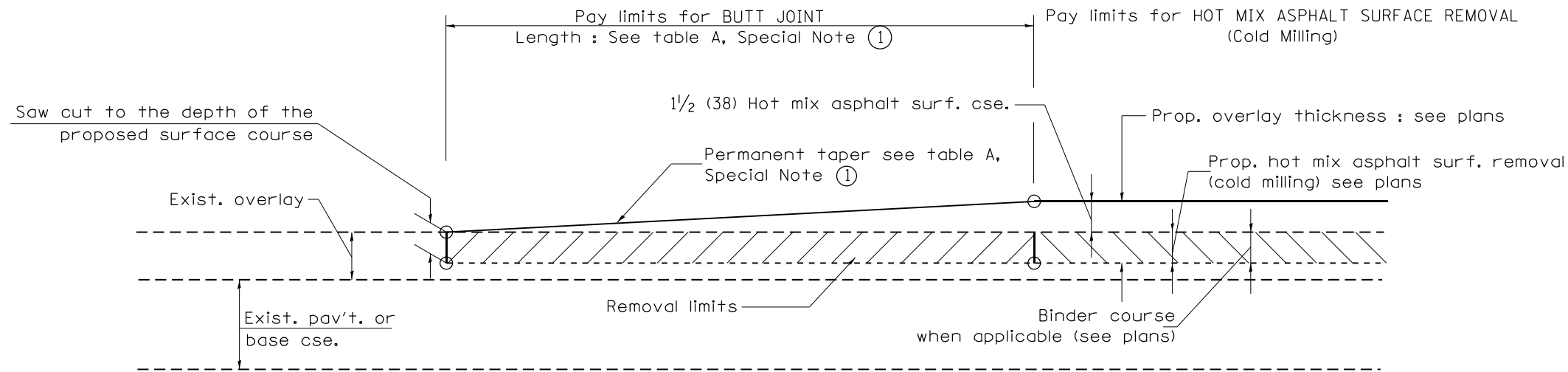
### REPLACEMENT MATERIAL:



STANDARD EMBANKMENT  
(IN ACCORDANCE WITH  
205 OF THE STANDARD SPECIFICATION).

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

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SLOPE STEPS DETAIL</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
10-16-06	REVISED TO 2007 SPEC.	M.A.											1173	847
5-30-18	MINOR CORRECTION	R.D.											CONTRACT NO.	
							NOT TO SCALE	CADD STD. 205001-D4		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



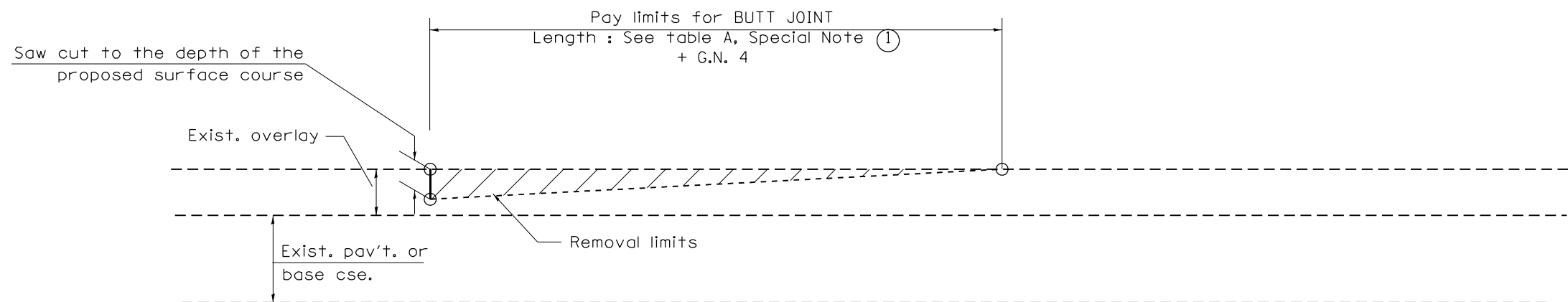
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A  
TAPER RATES**

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	BUTT JOINT TAPER RATE	1:480	1:240
②	TEMPORARY RAMP TAPER RATE	1:80	1:40

**GENERAL NOTES**

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.
4. The length of butt joint is based on the taper rate times change in cold milling depth within the butt joint pay limits, unless otherwise indicated.
5. Temporary ramps are paid for separately and not included in the cost of the butt joints.

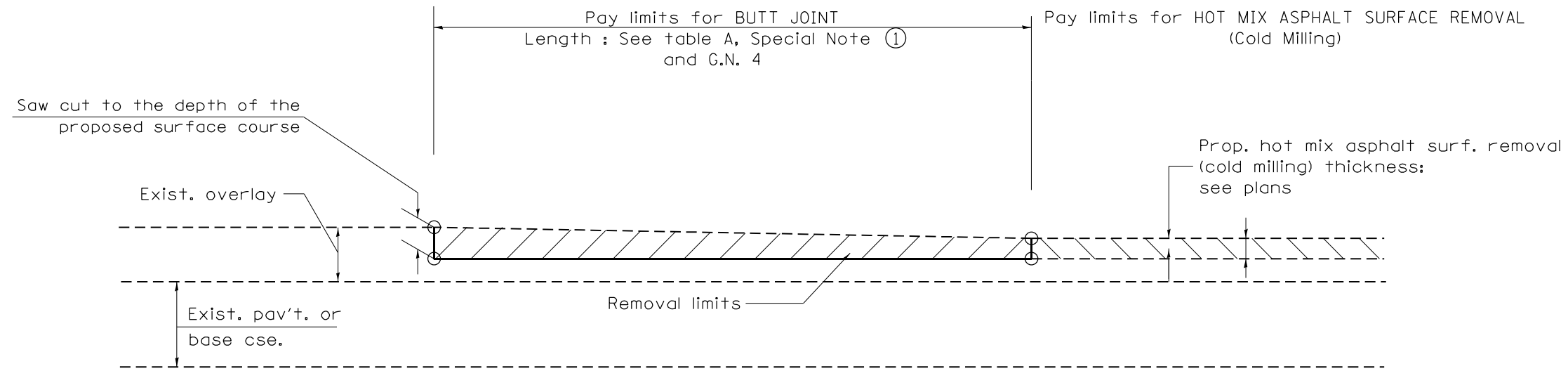


**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

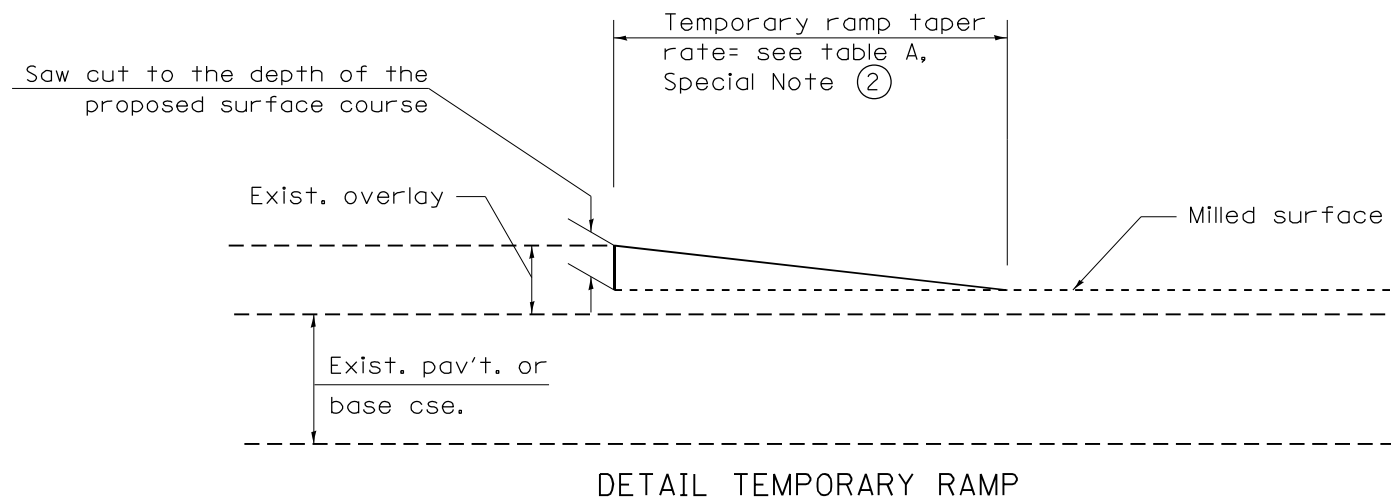
All dimensions are in inches (millimeters) unless otherwise noted.

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.	08-21-13	MAJOR MODIFICATIONS	R.D.	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BUTT JOINTS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-01-97	CORRECTION TO DEPTH	J.A.	04-12-16	MINOR CORRECTIONS	R.D.						1173	848
09-15-05	REVISED DESIGNER NOTE	M.M.A.	02-14-17	ADDED NOTE 5	R.D.			CONTRACT NO.				
10-16-06	REVISED TO 2007 SPEC.	M.A.	07-16-19	Wording and Spelling corrections	R.D.			NOT TO SCALE				





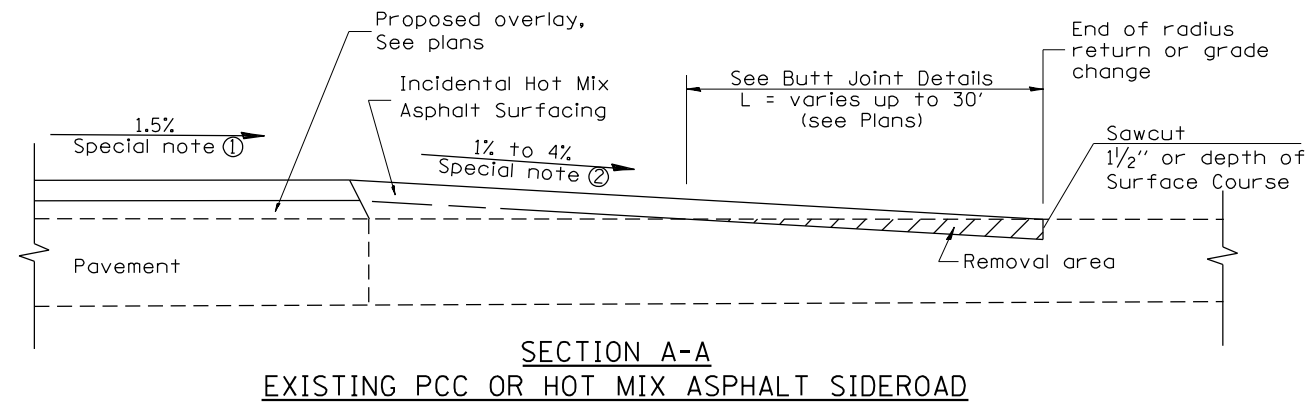
**CASE 3 : HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



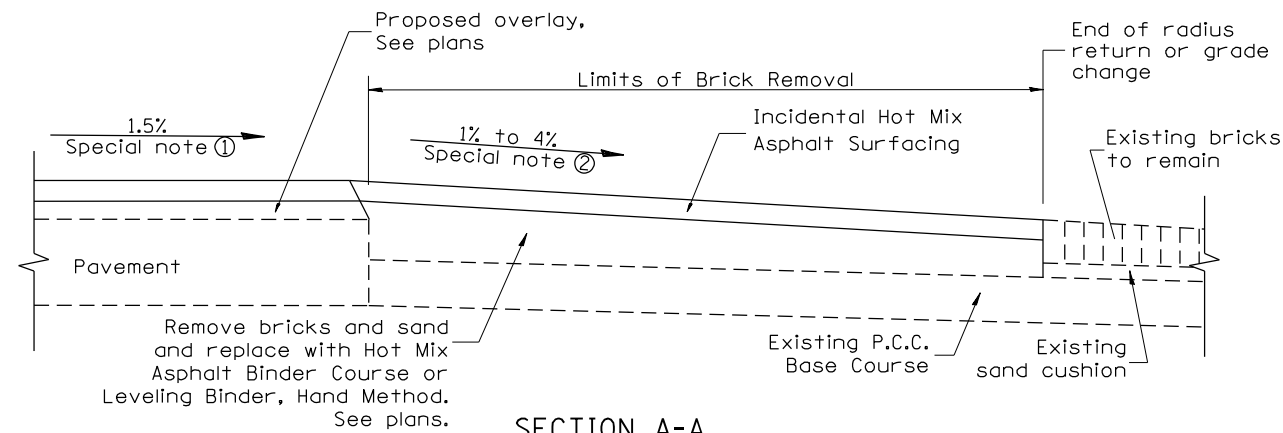
All dimensions are in inches (millimeters) unless otherwise noted.

				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>BUTT JOINTS</b>		SHT. 2 OF 3 CADD STD. 406101-D4	
				NOT TO SCALE				CONTRACT NO.	
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
								TOTAL SHEETS 1173 SHEET NO. 849	

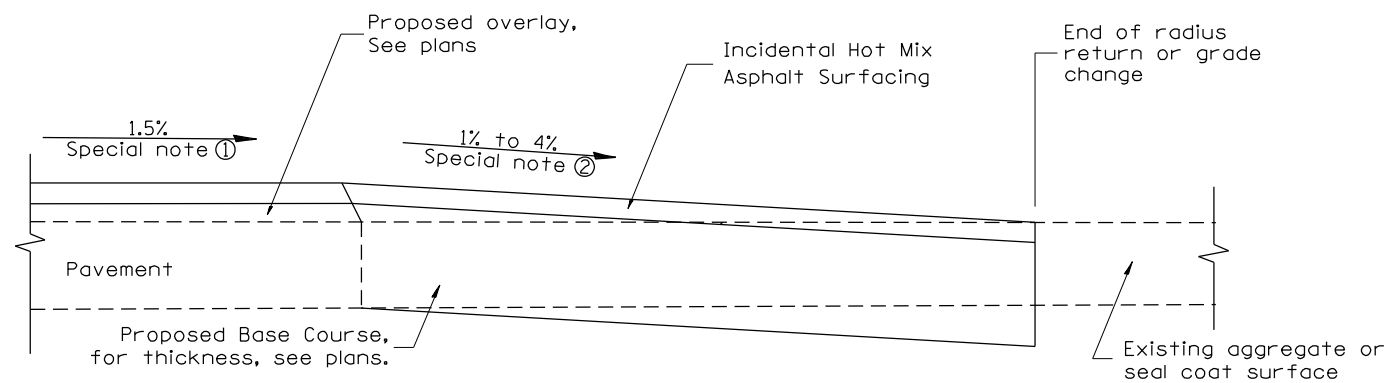




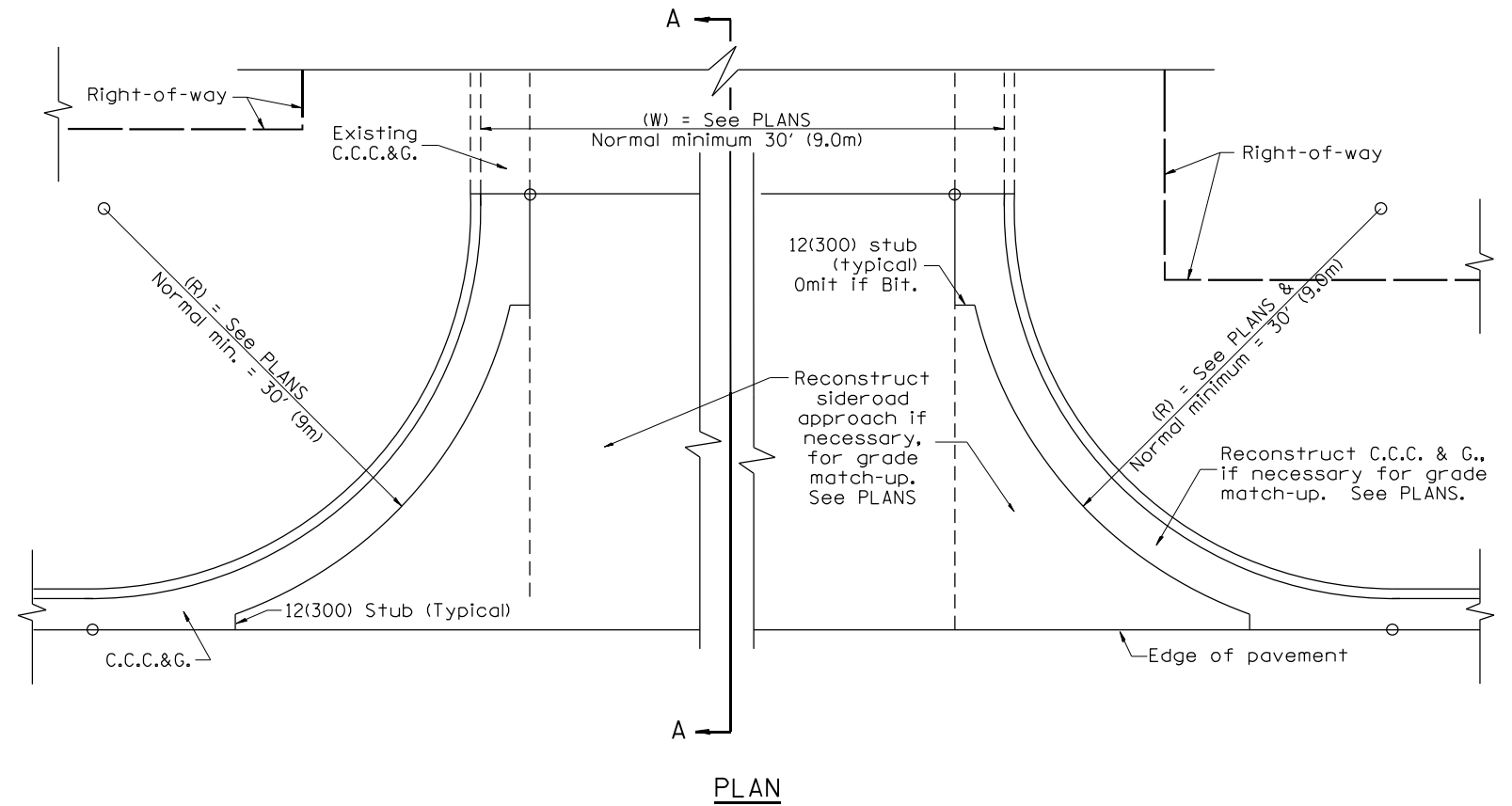
SECTION A-A  
EXISTING PCC OR HOT MIX ASPHALT SIDEROAD



SECTION A-A  
EXISTING BRICK SIDEROAD



SECTION A-A  
EXISTING AGGREGATE OR SEALCOAT SIDEROAD



PLAN

**SPECIAL NOTES**

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See Plans for cross-slope on superelevated horizontal curves.
- ② The sideroad profile should drain away from the mainline at 1% to 4% for 50' (15.0m) to 100' (30.0m), or as a minimum to the end of the radius return. When the sideroad is on the high side of a mainline superelevated curve, - 2% maximum should be provided in order to minimize breakover at the pavement edge. See plans for sideroad profiles.

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

01-01-97	RENUM. C-105.01, NEW REVISION BOX	T.P.	02-14-17	MINOR REVISIONS	R.D.
07-01-97	REVISE DESIGNER NOTES	J.A.			
09-15-05	REVISED DESIGNER NOTE	M.M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

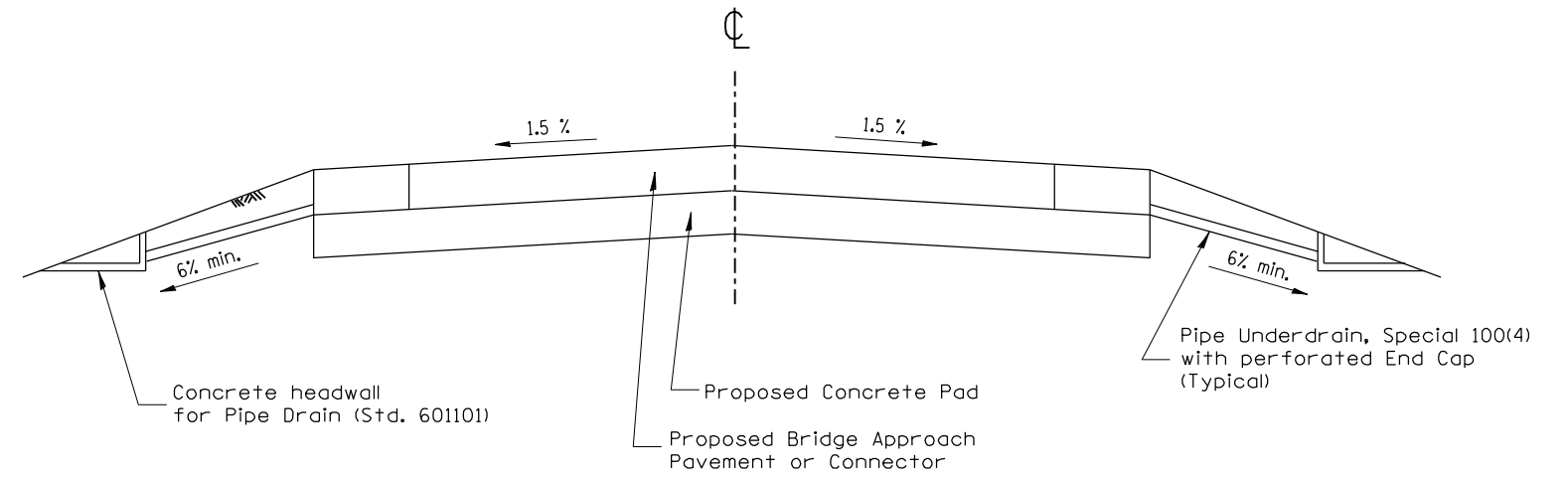
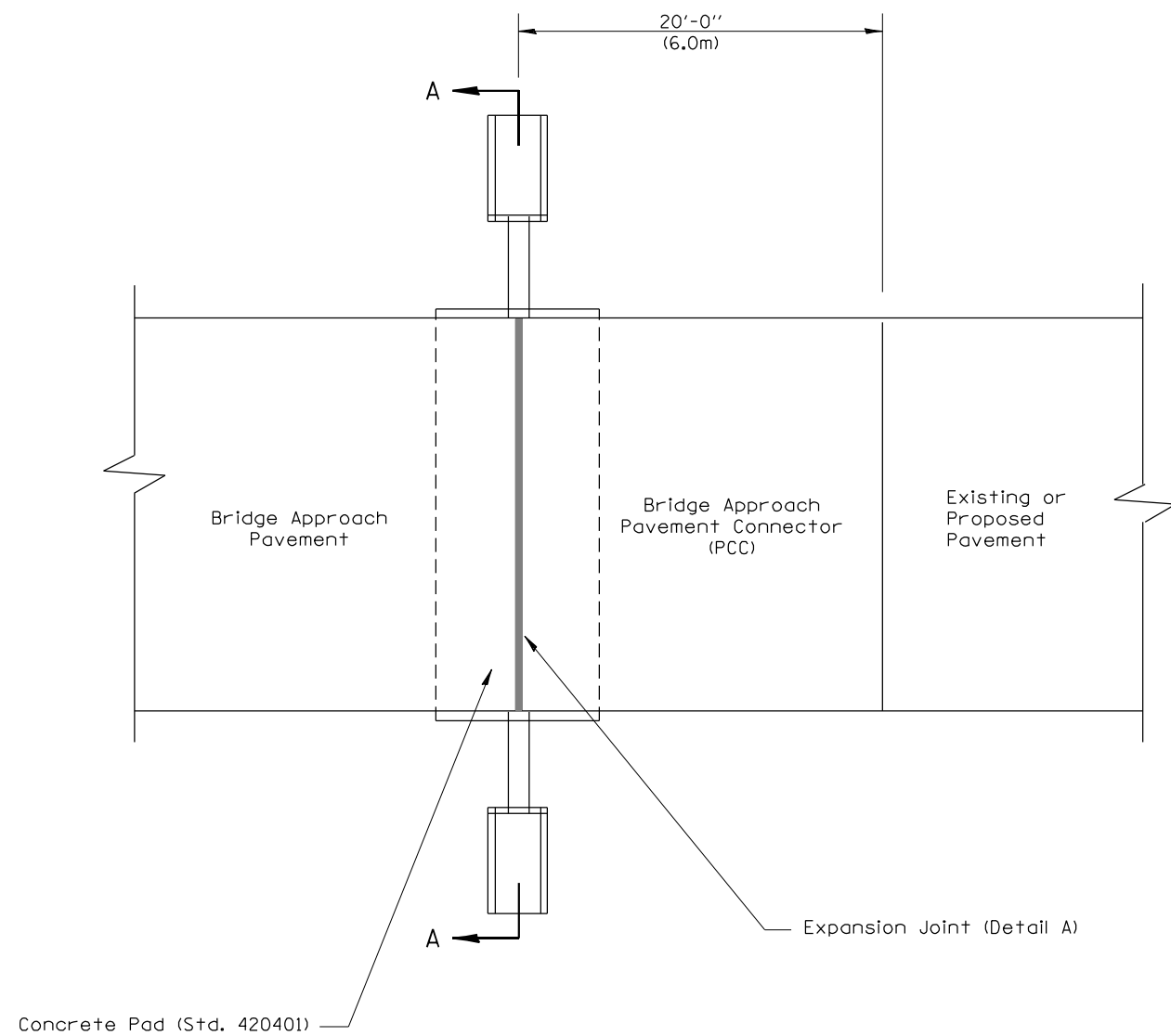
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

URBAN SIDEROADS FOR "3R" PROJECTS

NOT TO SCALE

CADD STD. 406501-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	851
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



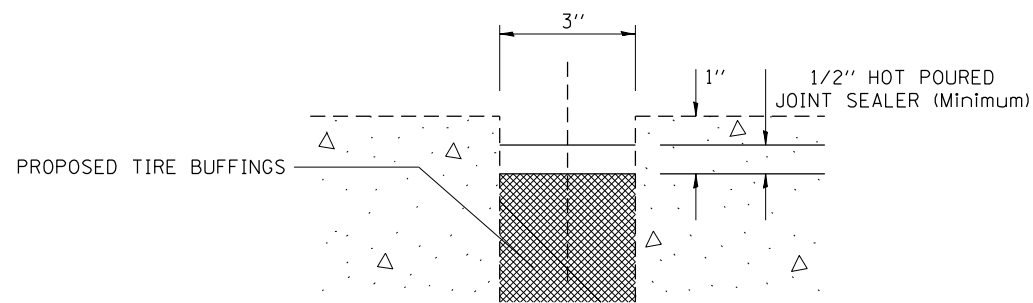
**SECTION A-A**

**GENERAL NOTES:**

1. All work shall be done as directed by the Engineer.
2. All work shall be done in accordance with Standard 420401 except as shown herein.
3. The concrete headwalls and pipe underdrain special will be in accordance with Section 601.
4. The bridge approach pavement connector (pcc) shall be constructed similar to section G-G for existing construction rigid pavement as shown Standard 420401. Adjacent to PCC base course or pavement deformed bars will be required. Adjacent to bituminous pavement deformed bars will not be required. Use buffings from the tire retreading industry.
5. This work will be paid for in feet of PIPE UNDERDRAIN, SPECIAL, 4", and each of CONCRETE HEADWALL FOR PIPE DRAIN. The cost of providing and installing the tire buffings and hot-poured joint sealer is included in the cost of the Approach Pavement Connector.
6. Use buffings from the tire retreading industry.
7. Ensure tire buffings are clean, dry, and without any contamination.
8. Remove existing material and replace tire buffings.
9. Place loose buffings and strike off level.
10. Compact buffings by spading with a square-nose shovel.
11. Use hot-poured joint sealer that meets the requirement of Article 1050.02 and according to the applicable section of Article 420.12 of the Standard Specifications.
12. Avoid guardrail posts when constructing shoulders.

Concrete Pad (Std. 420401)

Expansion Joint (Detail A)



**JOINT DETAIL**

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

01-01-97	RENUM. H-6.09, NEW REVISION BOX, NOTES	T.P.	08-12-12	UPDATED JOINT MATERIAL TO BUFFINGS	R.D.
02-22-97	REVISED SECTION A-A				
03-01-97	CORRECT STD. NO. IN NOTES	J.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

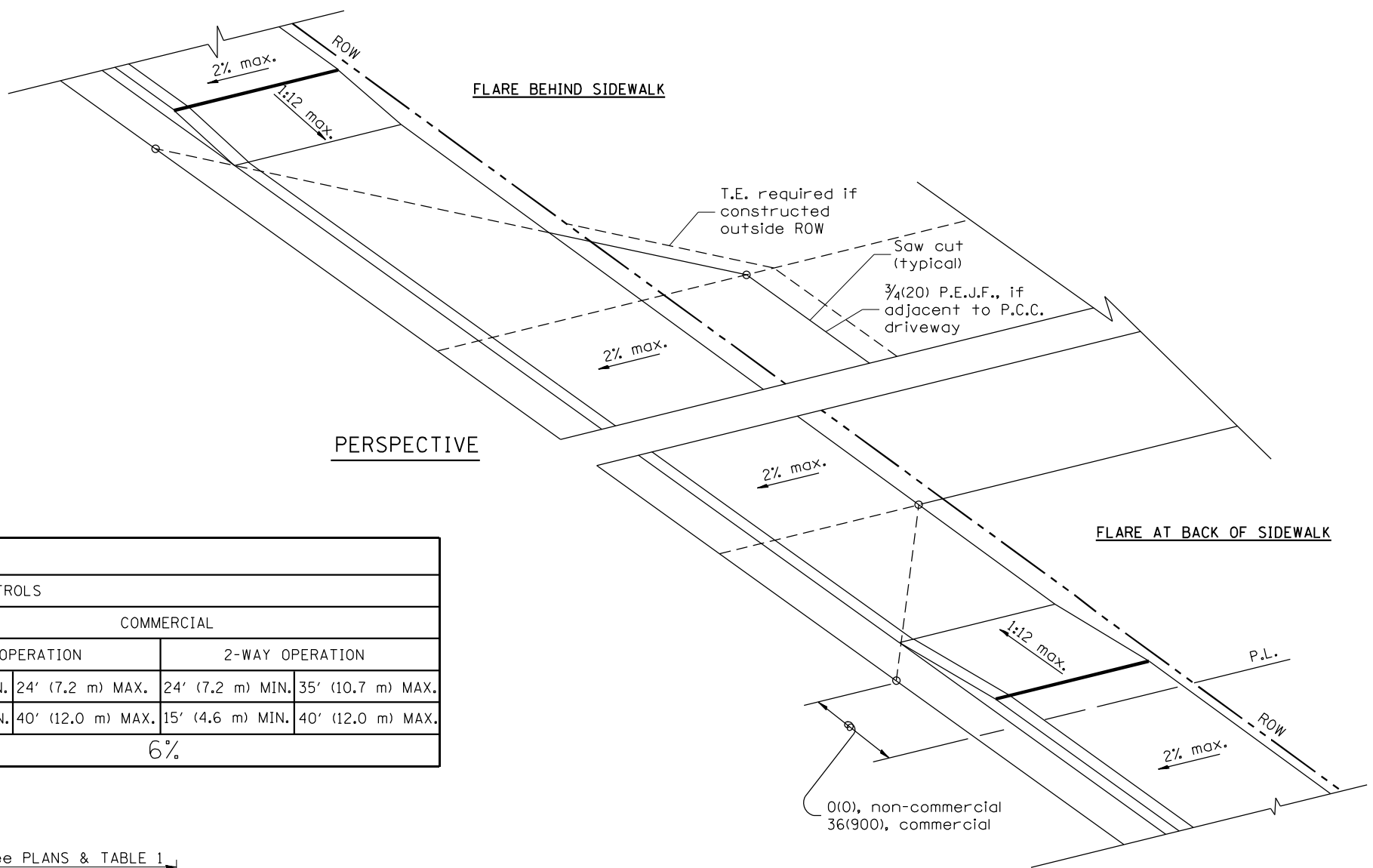
**BRIDGE APPROACH DETAIL**

NOT TO SCALE

CADD STD. 420401-D4

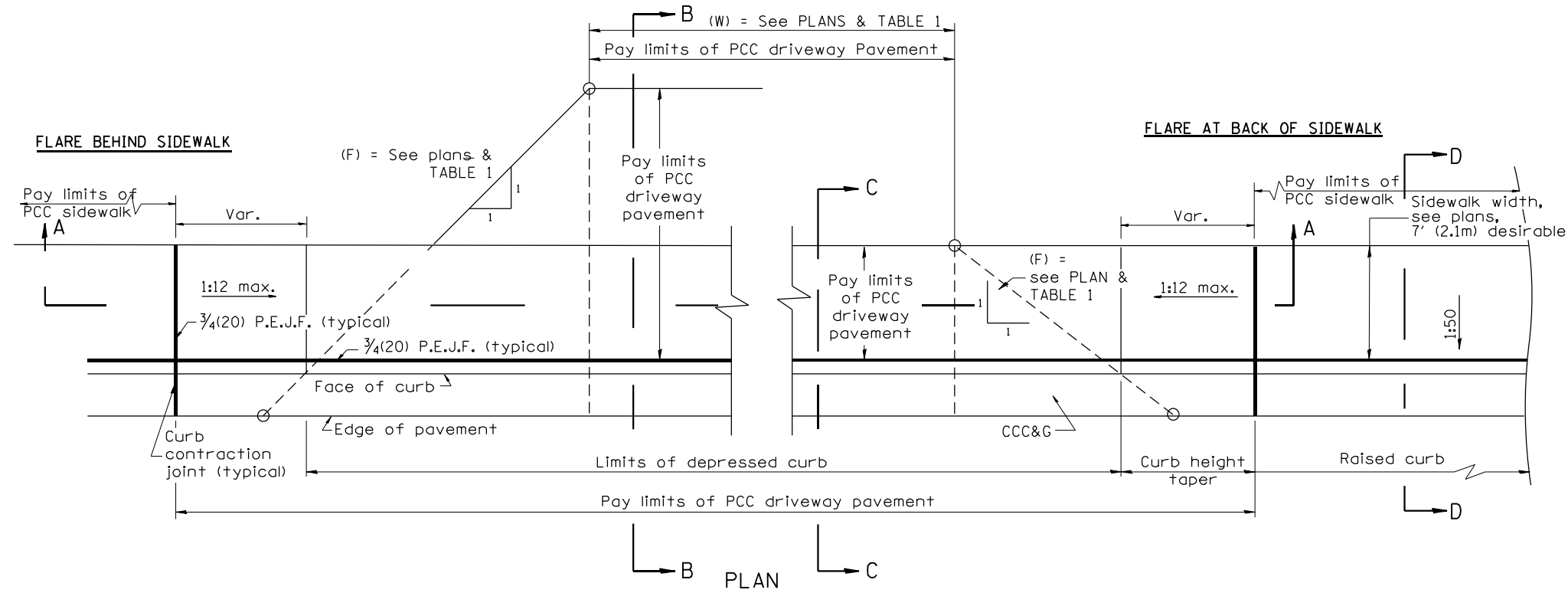
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	852
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		





PERSPECTIVE

TABLE 1						
URBAN ENTRANCE DESIGN CONTROLS						
ELEMENT	NON-COMMERCIAL		COMMERCIAL			
			1-WAY OPERATION		2-WAY OPERATION	
WIDTH (W)	12' (3.6 m) MIN.	24' (7.2 m) MAX.	14' (4.3 m) MIN.	24' (7.2 m) MAX.	24' (7.2 m) MIN.	35' (10.7 m) MAX.
RADIUS EQUIVALENT 1:1 FLARE (F)	5' (1.5 m) MIN.	25' (7.6 m) MAX.	15' (4.6 m) MIN.	40' (12.0 m) MAX.	15' (4.6 m) MIN.	40' (12.0 m) MAX.
MAX. GRADE (G)	8%		6%			



PLAN

GENERAL NOTES

1. The sidewalk area located within the pay limits of P.C.C. Driveway Pavement will be of the same thickness and construction as the P.C.C. Driveway Pavement.
2. Combination Concrete Curb & Gutter shall be depressed in accordance with Standard 606001.
3. Exceptions to the radius flare/property line relationship are as shown in the plans for common entrances, with jointly executed access permits.
4. Refer to State Standard 424026 for detectable warnings at busy commercial entrances.

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

01-01-97	RENUM. C-103.02, NEW REVISION BOX, REVISED GENERAL NOTES	T.P.	03-15-12	REMOVED HATCHING ON RAMPS	R.D.
09-15-05	REVISED DESIGNER NOTE	M.M.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

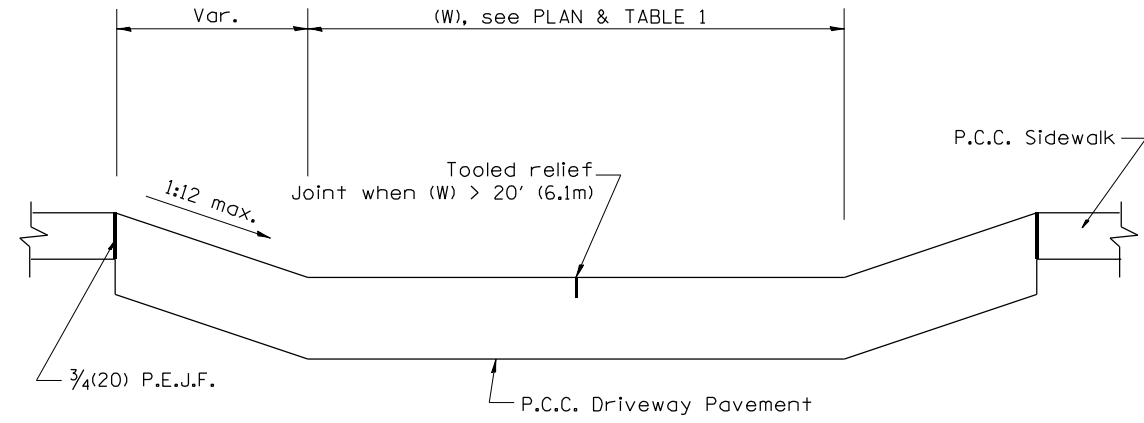
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED,  
FOR CURBLINE SIDEWALKS

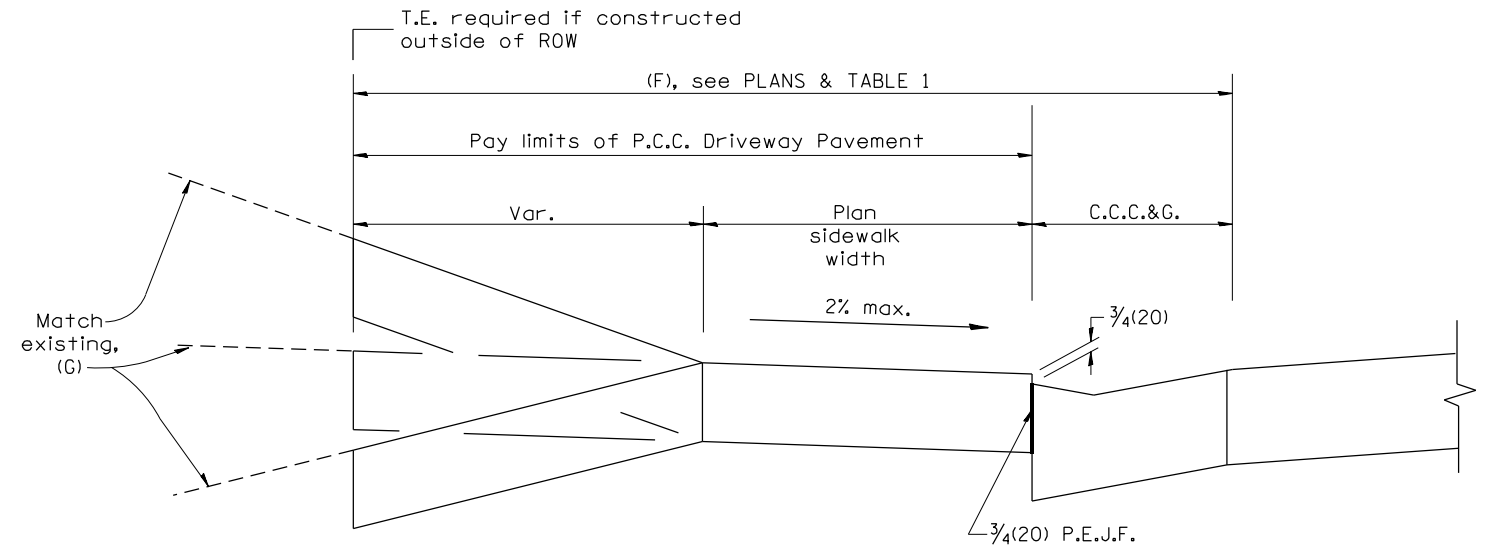
NOT TO SCALE

SHT. 1 OF 2  
CADD STD. 423101-D4

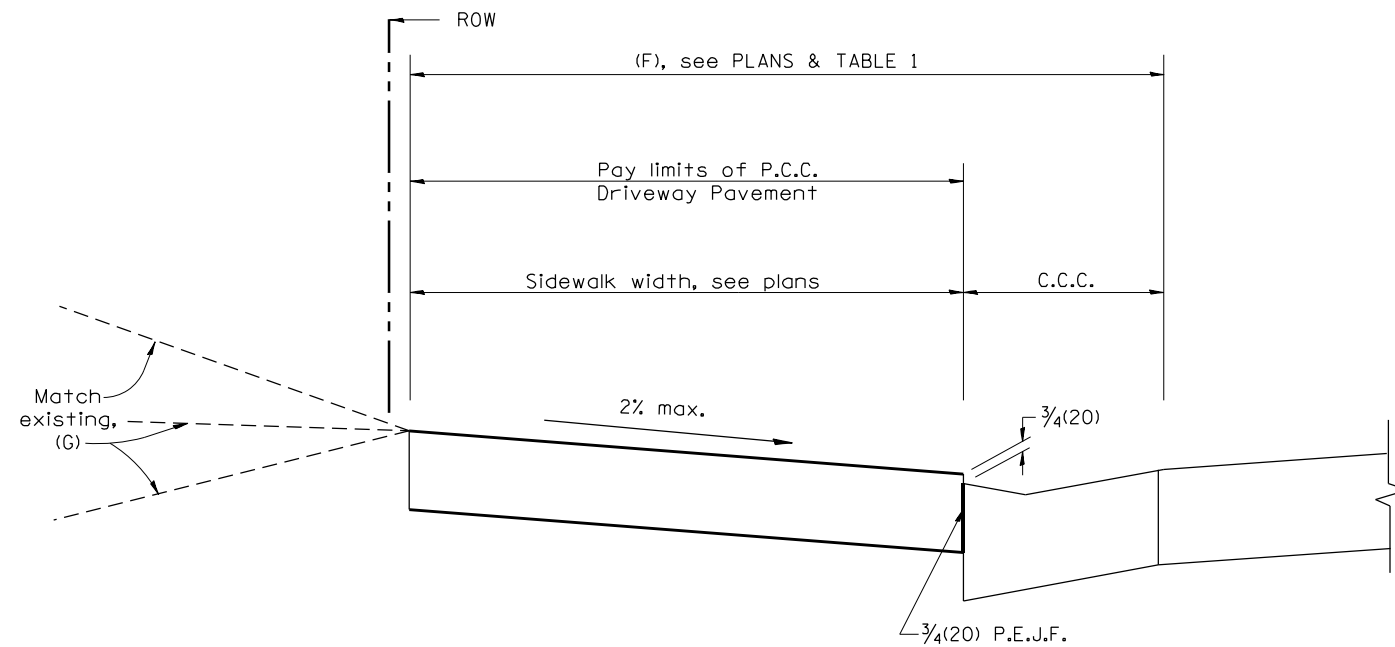
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	854
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



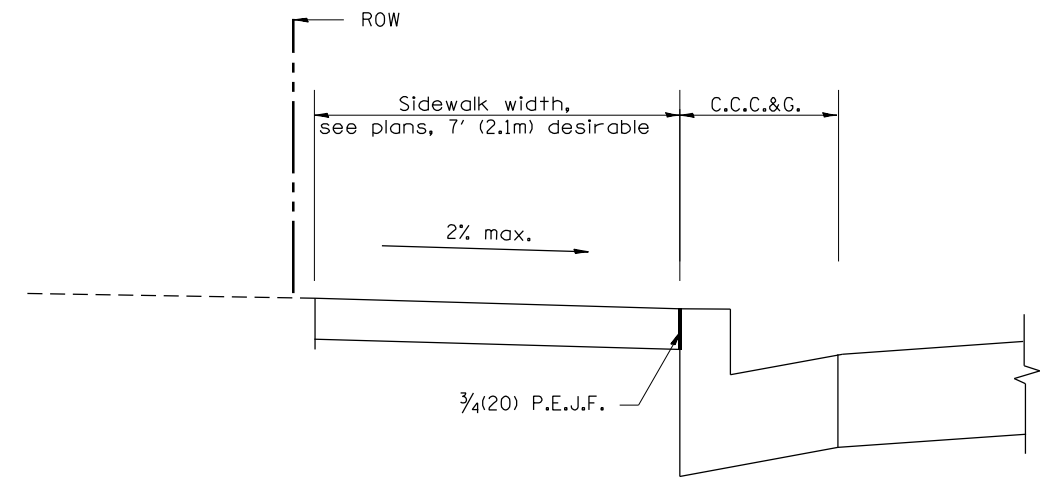
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

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

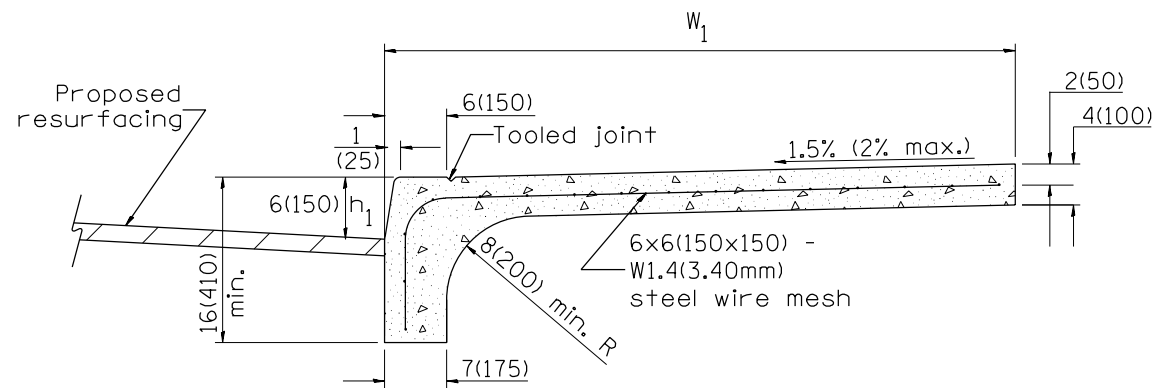
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

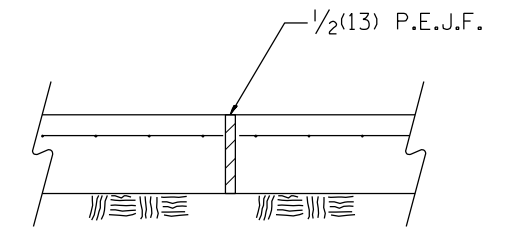
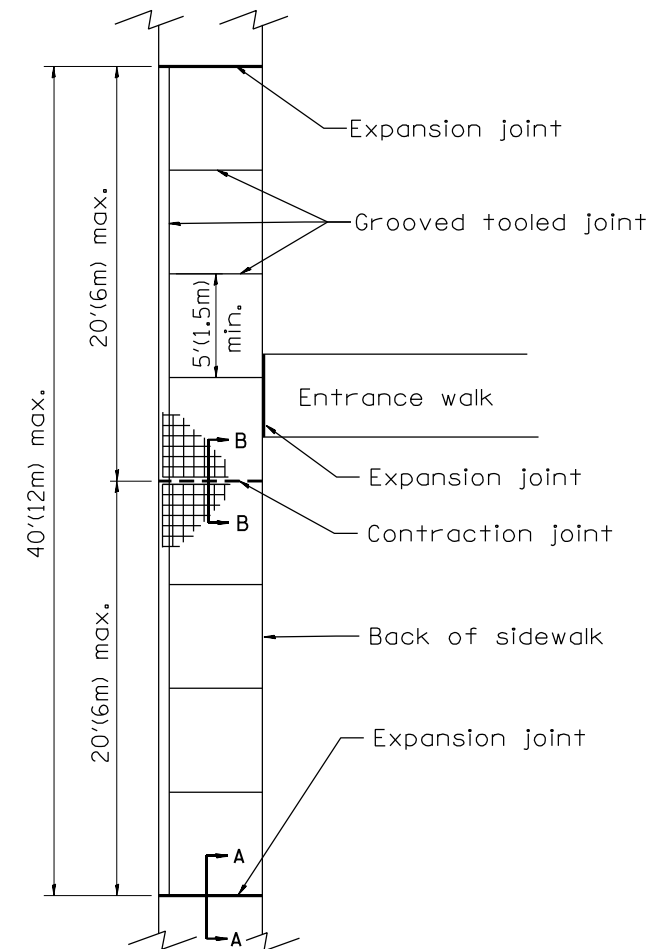
URBAN ENTRANCES ACCESSIBLE TO THE DISABLED,  
FOR CURBLINE SIDEWALKS  
NOT TO SCALE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	855
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

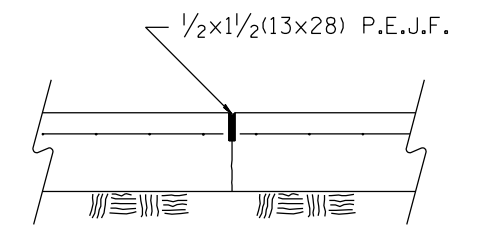
SHT. 2 OF 2  
CADD STD. 423101-D4



**COMBINATION CURB - SIDEWALK 4"(100mm)**  
 Measurement Formula:  $(W_1 + h_1) \times \text{length constructed} = \text{Payment area}$   
 in square meters(square feet)



**SEC. A-A**  
Expansion Joint



**SEC. B-B**  
Contraction Joint

**GENERAL NOTES:**

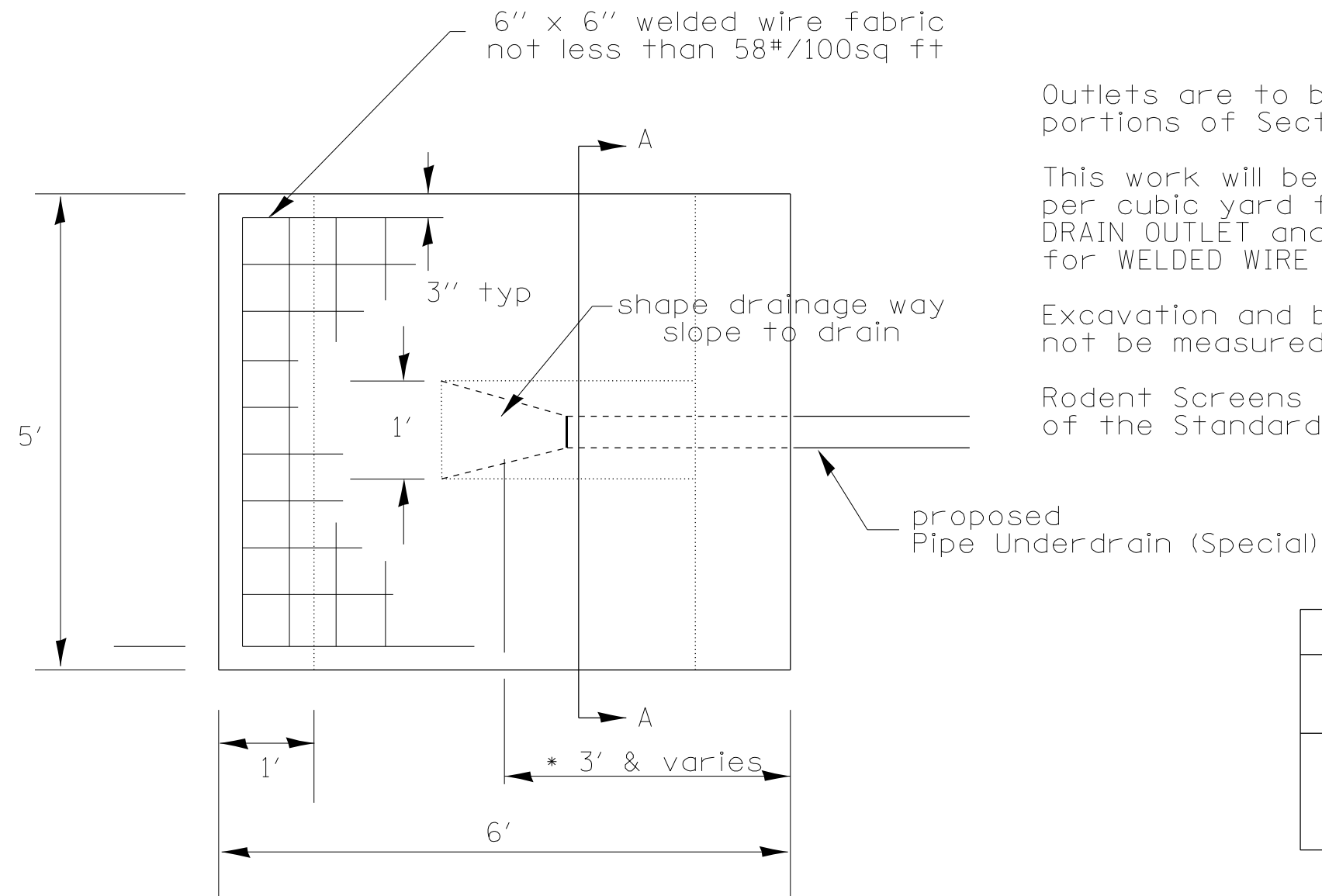
1. All provisions in Section 424 of the Standard Specifications shall apply, unless otherwise shown.

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

01-01-97	RENUM. A-5.02, NEW REVISION BOX	T.P.			<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>COMBINATION CONCRETE CURB-SIDEWALK 4" (100mm)</b>	NOT TO SCALE	CADD STD. 424101-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10-16-06	REVISED TO 2007 SPEC.	M.A.							1173	856			
6-21-22	REVISED CROSS SLOPE	R.D.							CONTRACT NO.				
										FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		







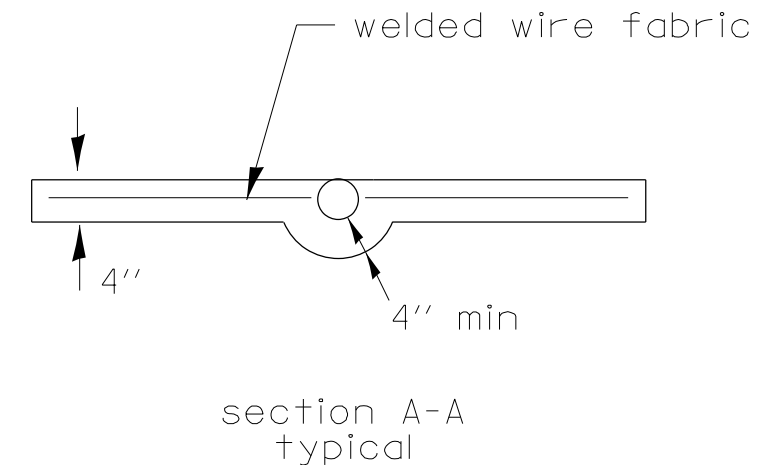
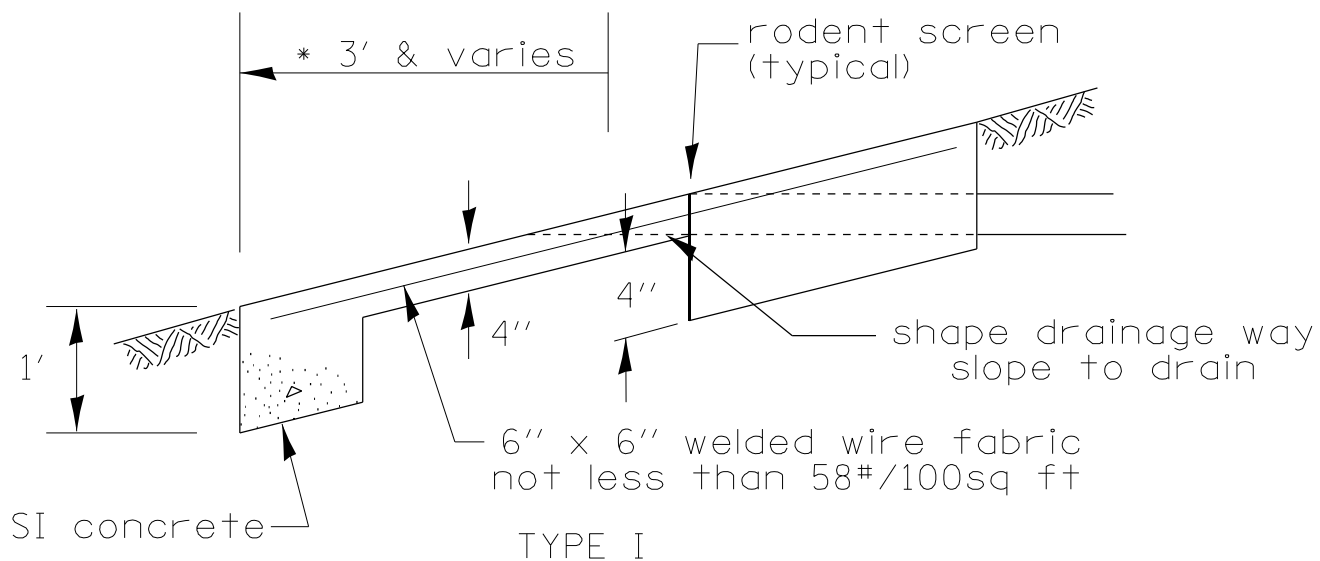
Outlets are to be constructed in accordance with applicable portions of Section 606 of the Standard Specifications.

This work will be measured for payment at the contract unit price per cubic yard for CLASS SI CONCRETE PIPE UNDER DRAIN OUTLET and at the contract unit price per square yard for WELDED WIRE FABRIC 6 X 6.

Excavation and backfill required for this work will not be measured for payment.

Rodent Screens shall be in accordance with Article 601.05 of the Standard Specifications and State Standard 601101.

Quantities for *Standard Protector		
Type	Class SI Cu Yd	WWF Sq Yd
I	.63	2.75
II	.88	3.75
III	1.39	6.75



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

08-21-13	NEW STANDARD	R.D.			

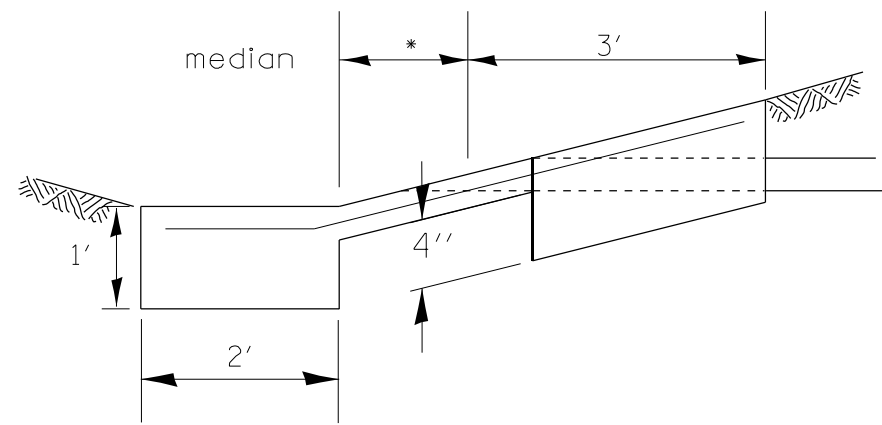
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

UNDERDRAIN OUTLET PROTECTION

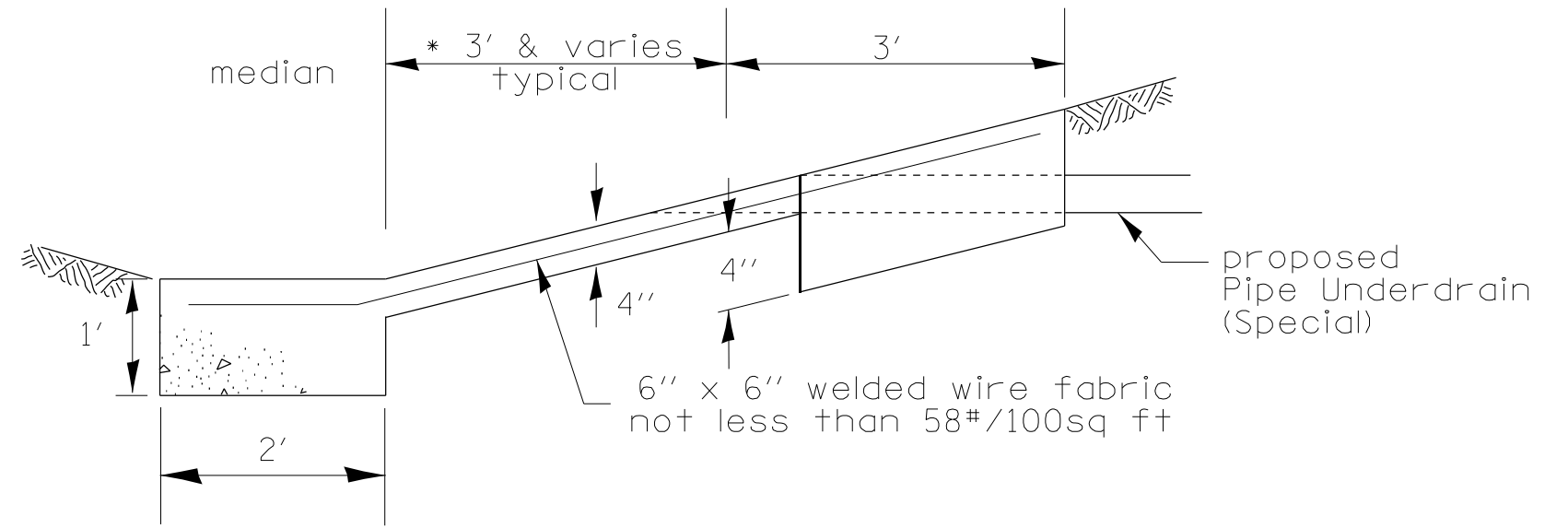
NOT TO SCALE

SHT. 1 OF 2  
CADD STD. 601001-D4

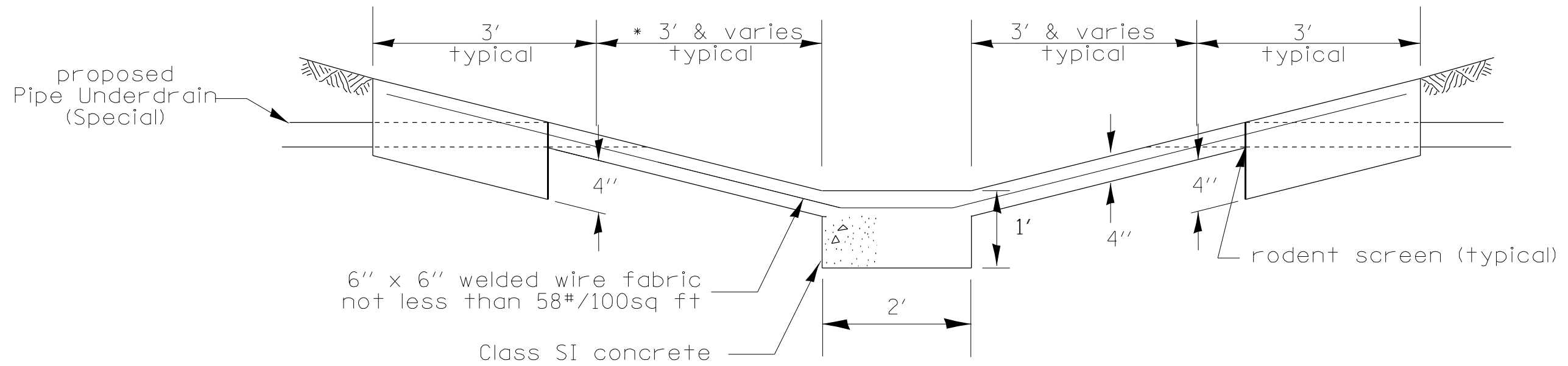
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	858
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



\* Varies at all locations where the outlet is within 3 feet of the ditch flow line.



Type II



Type III

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

01-01-2013	Standard created	R.D.			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

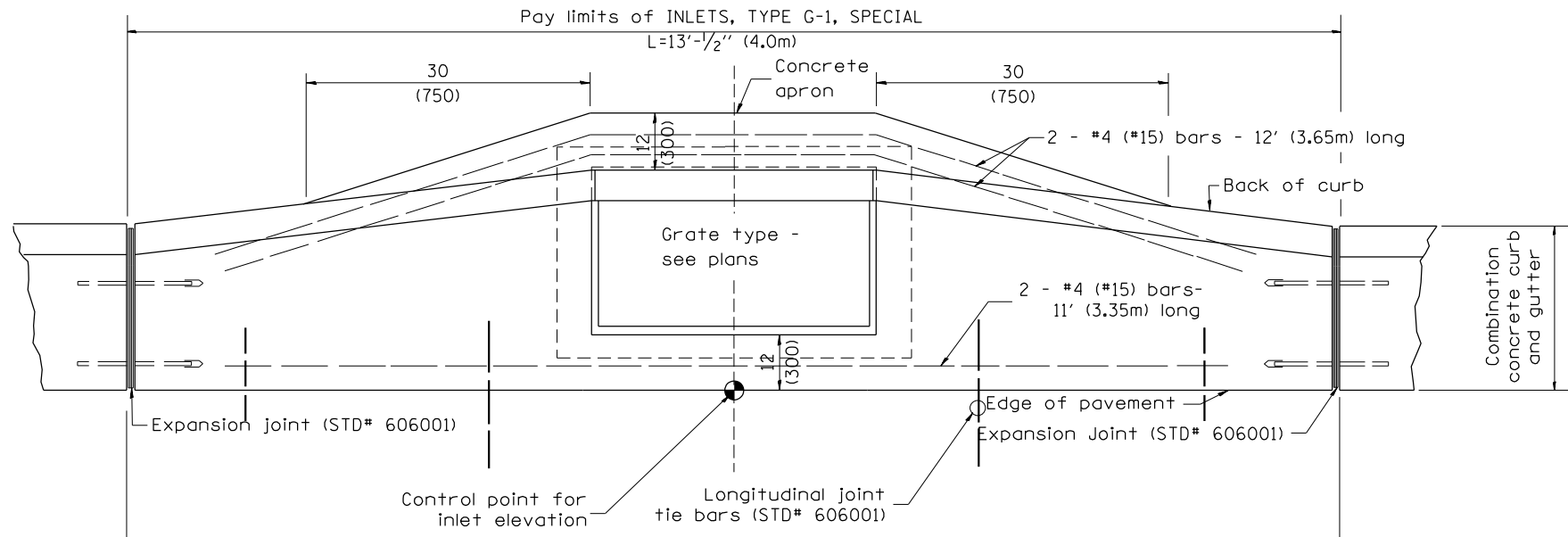
UNDERDRAIN OUTLET PROTECTION

NOT TO SCALE

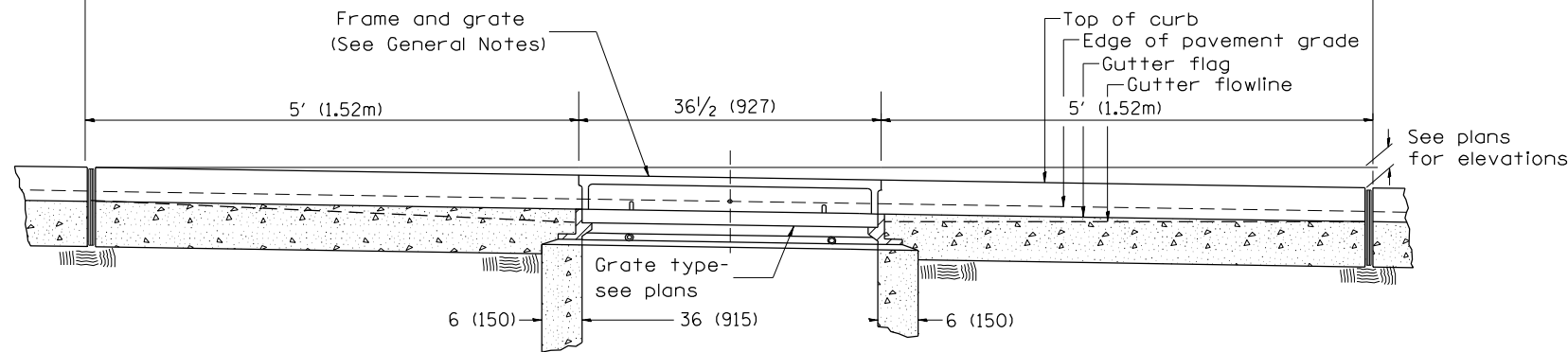
SHT. 2 OF 2  
CADD STD. 601001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	859
FED. ROAD DIST. NO.			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

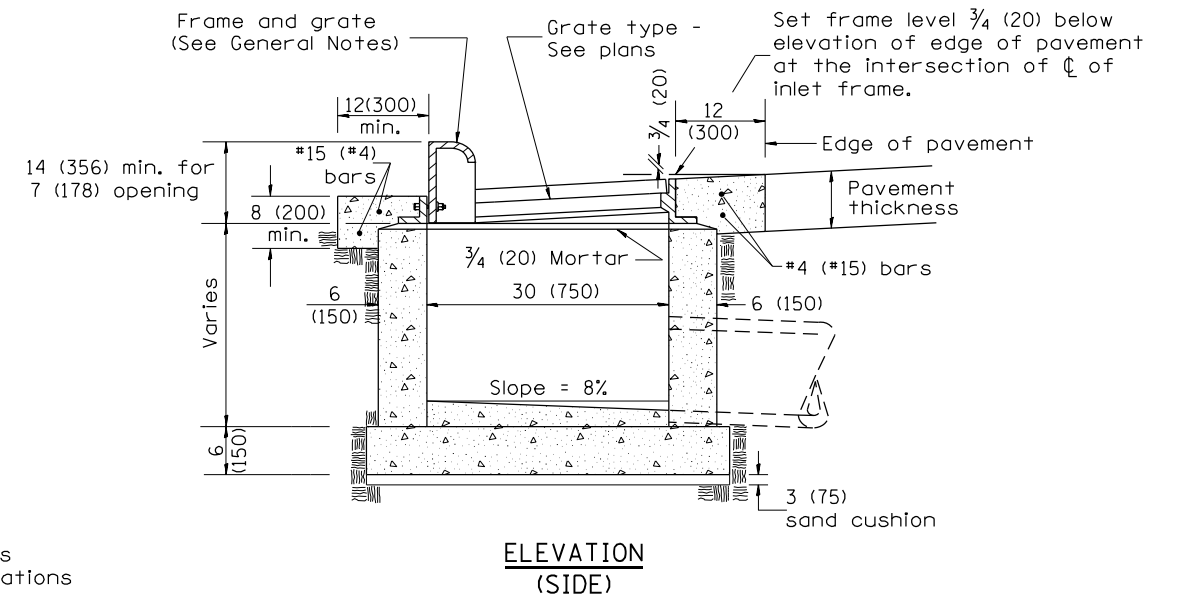




PLAN



ELEVATION (FRONT)



ELEVATION (SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb and Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

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

01-01-97	RENUM. B-4.02, NEW REVISION BOX								
12-01-98	CORRECT E.O.P. NOTE	J.A.							
10-99	REVISION TO GENERAL NOTES	J.A.							
10-16-06	REVISED TO 2007 SPEC.	M.A.							

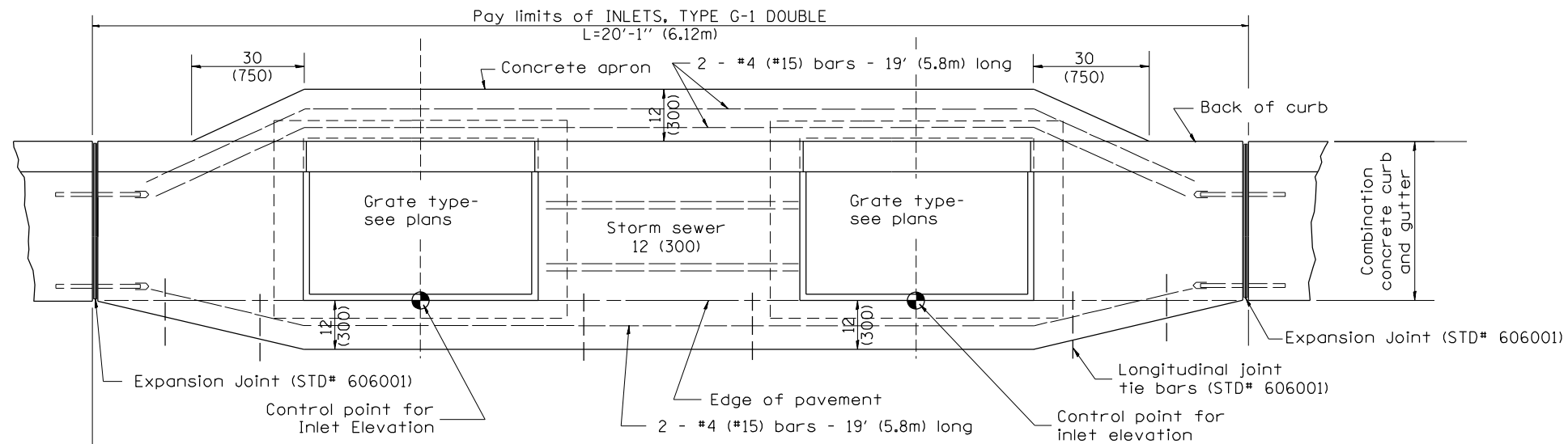
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

INLETS, TYPE G-1, SPECIAL

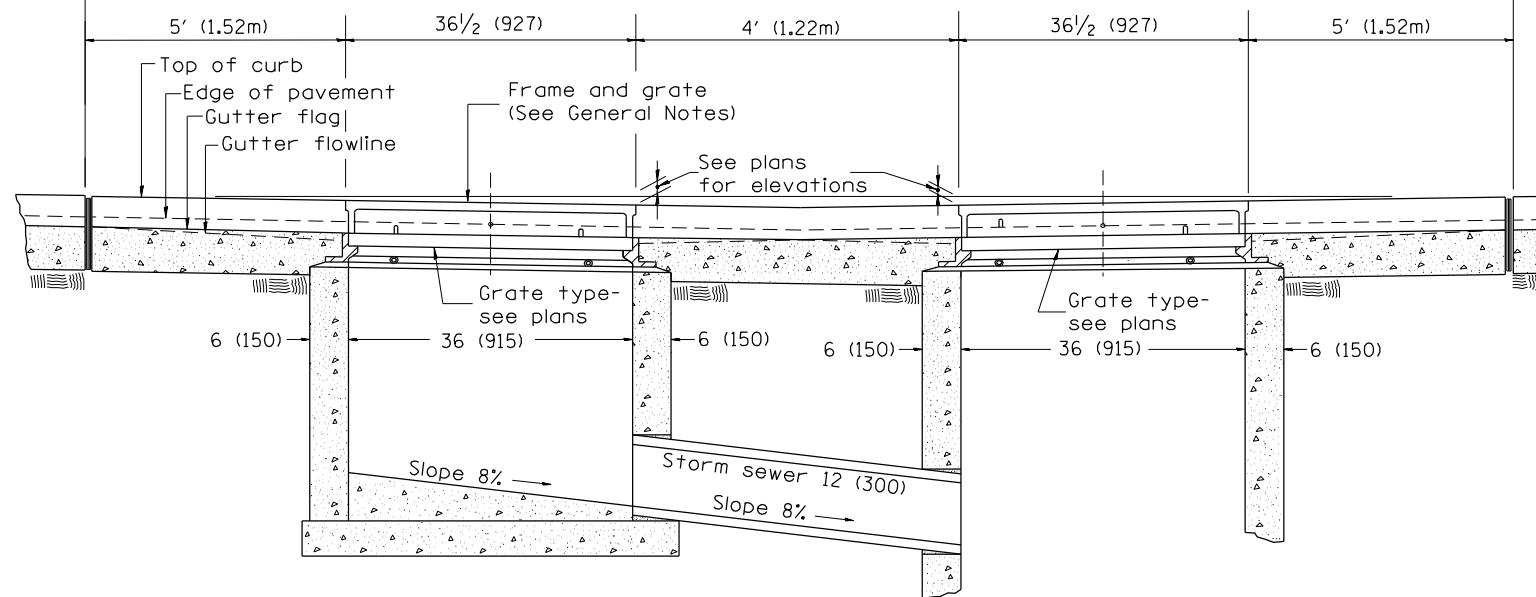
NOT TO SCALE

CADD STD. 602006-D4

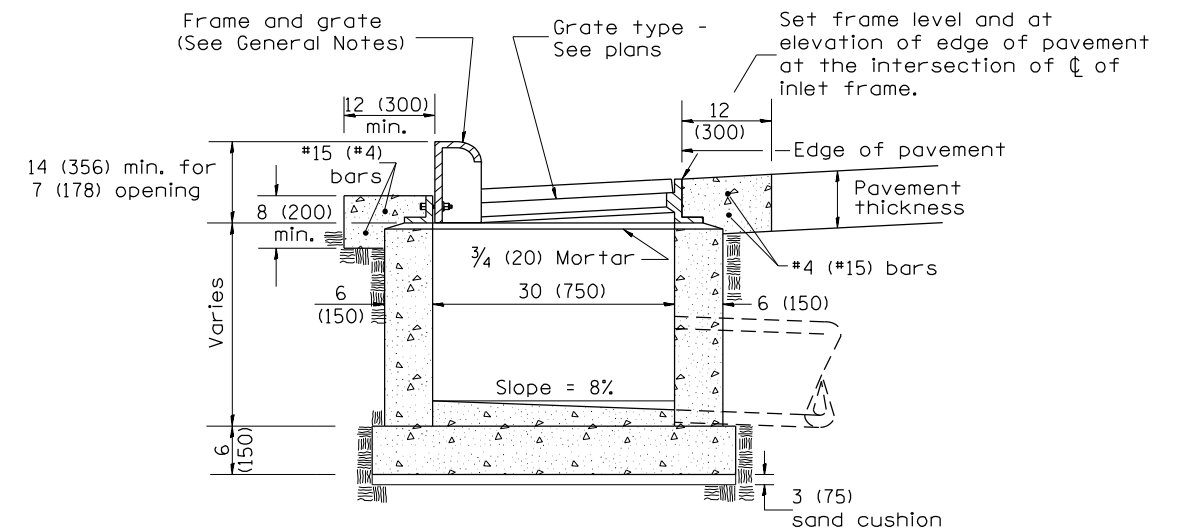
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	861
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN



FRONT ELEVATION



ELEVATION (SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb & Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

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

01-01-97	RENUM. B-4.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
04-01-97	CORRECT PAVT SLOPE	J.A.			
10-99	REVISION TO GENERAL NOTES	J.A.			
02-00	REVISION TO DESIGNER NOTES	J.A.			

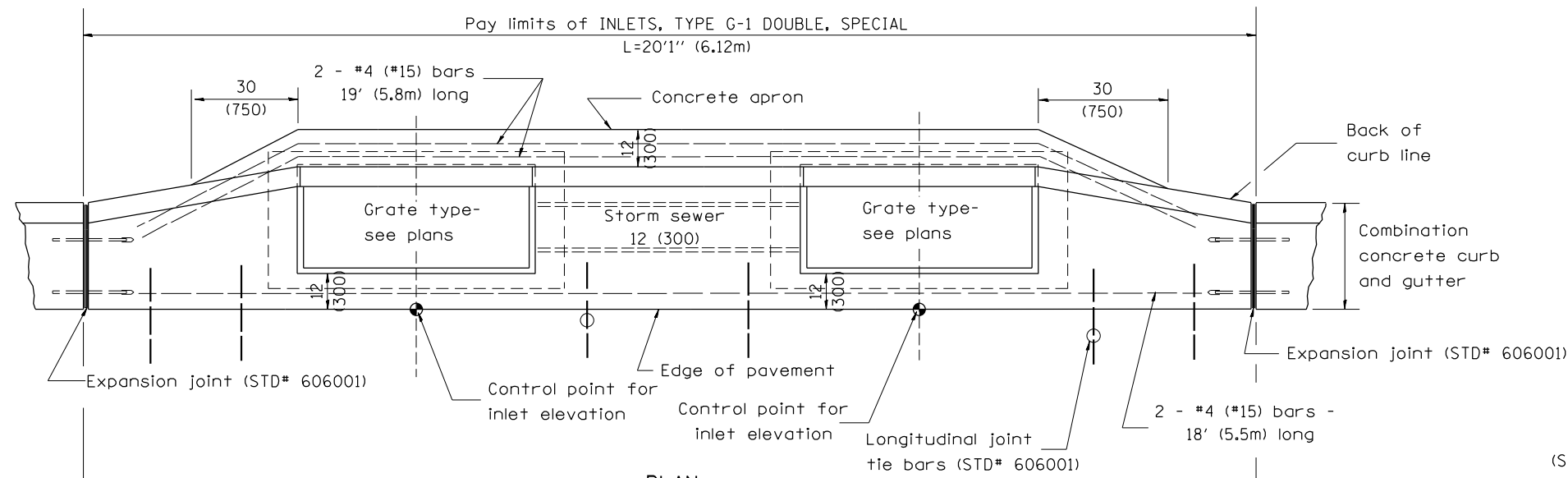
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

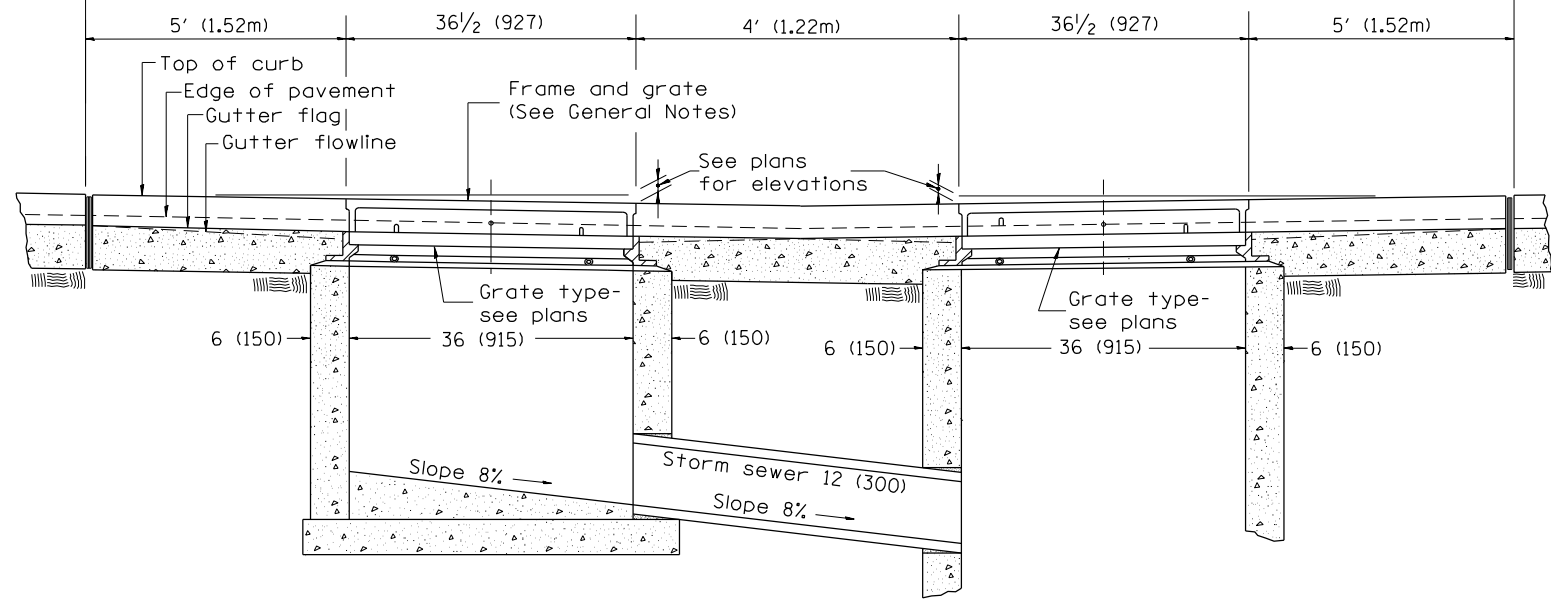
INLETS, TYPE G-1 DOUBLE

CADD STD. 602011-D4

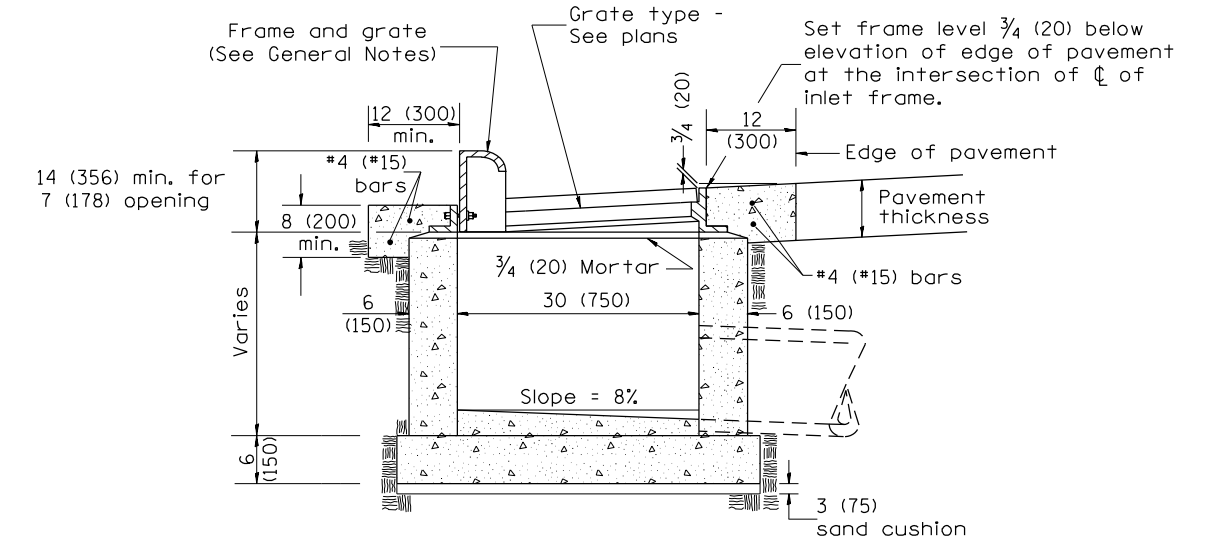
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	862
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN



FRONT ELEVATION



ELEVATION (SIDE)

GENERAL NOTES

1. Inlet construction shall be in accordance with Section 602 of the Standard Specifications.
2. Combination Concrete Curb & Gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
3. See District CADD Standard 604001-D4 for frame and grates.

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

01-01-97	RENUM. B-4.04, NEW REVISION BOX	T.P.
04-01-97	CORRECT DIMENSIONS	J.A.
10-99	REVISION TO GENERAL NOTES	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

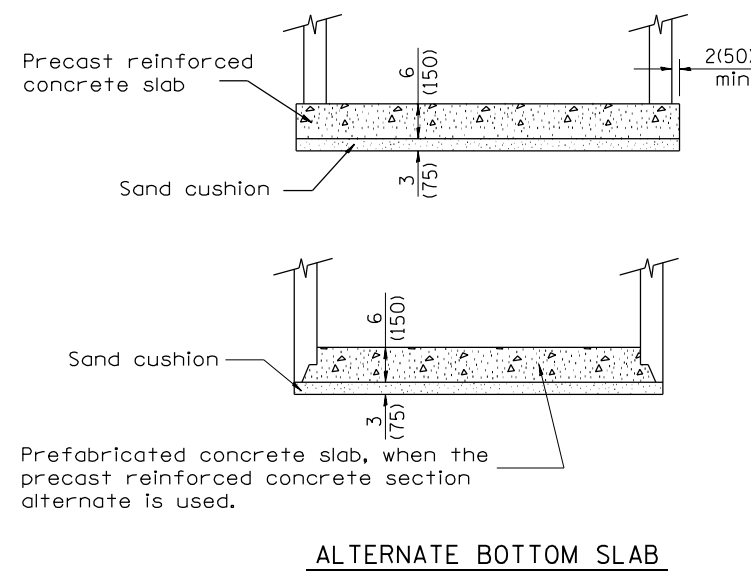
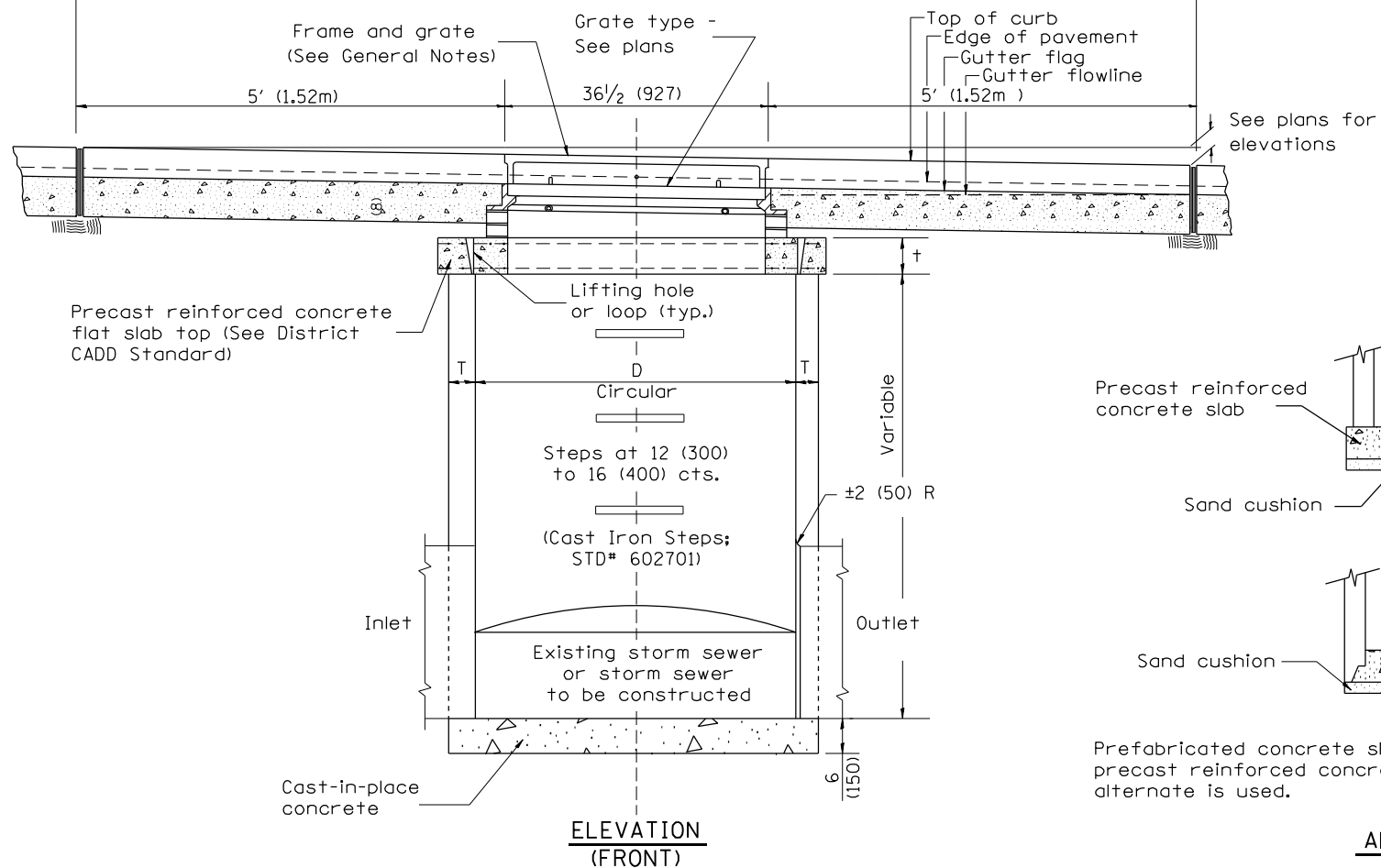
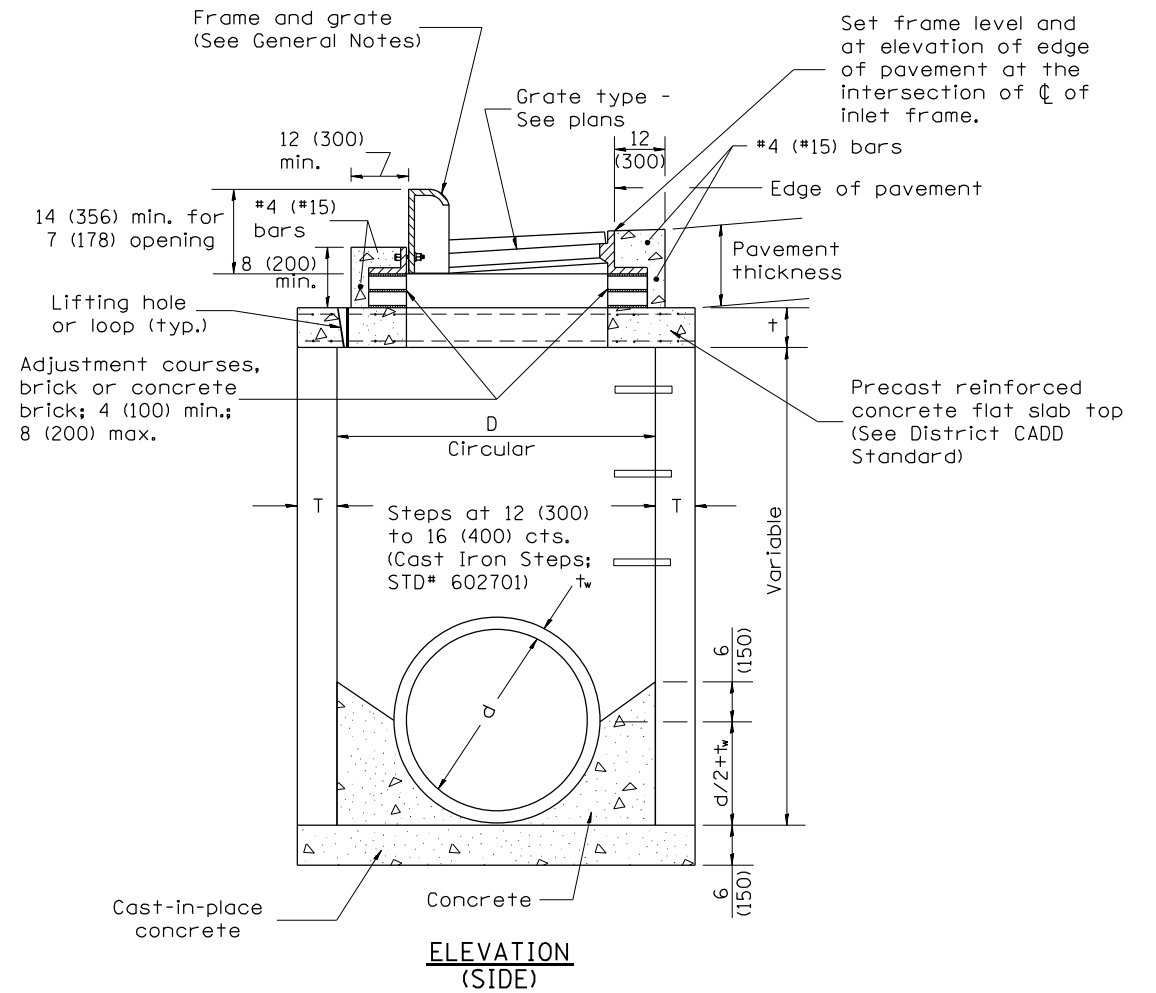
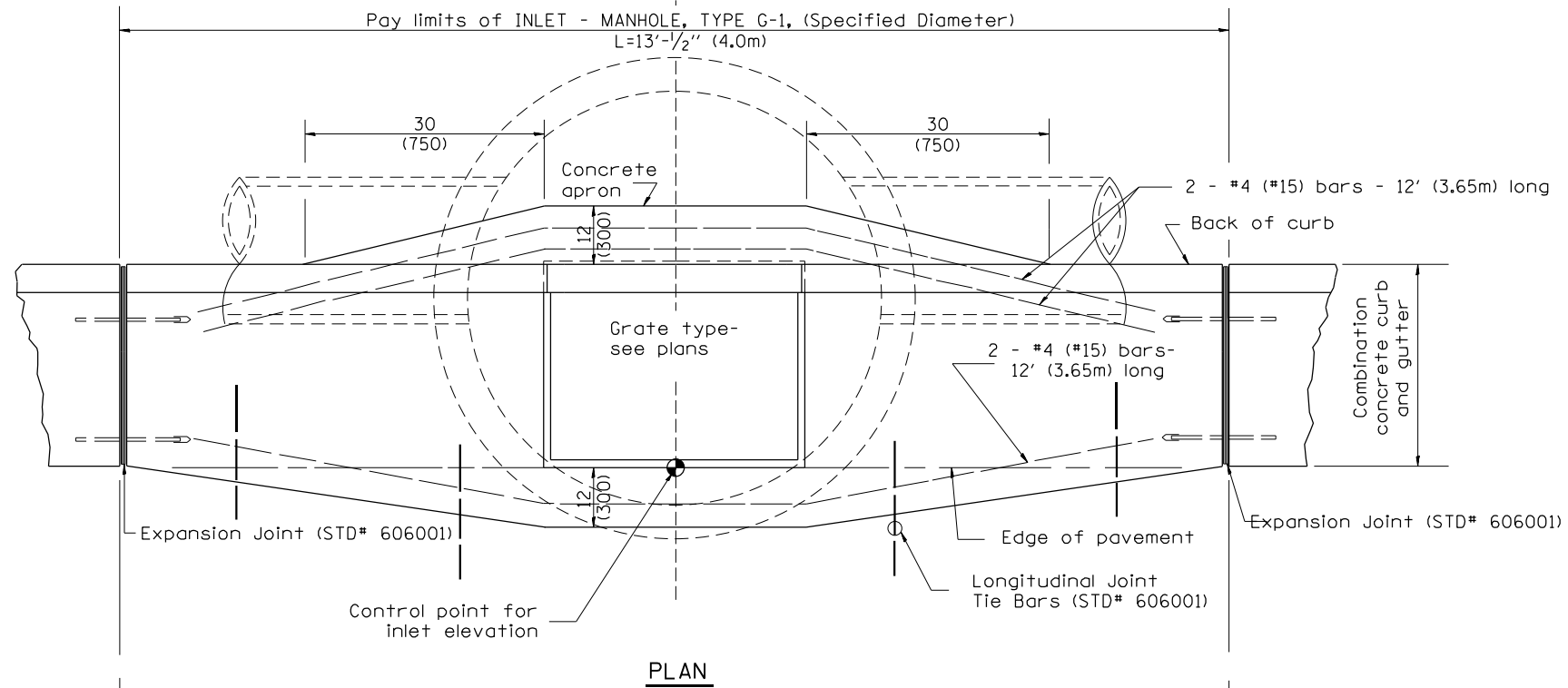
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

INLETS, TYPE G-1 DOUBLE, SPECIAL

CADD STD. 602016-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	863
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



TABLE

D	T	+
4' (1.2m)	5 (125)	6 (150)
5' (1.5m)	6 (150)	8 (200)
6' (1.8m)	7 3/4 (195)	8 (200)
8' (2.4m)	9 (225)	10 (250)

- GENERAL NOTES
- Inlet-manhole construction shall be in accordance with Section 602 of the Standard Specifications.
  - Combination concrete curb and gutter shall be constructed in accordance with Section 606 of the Standard Specifications.
  - See District CADD Standard 604001-D4 for frame and grates.
  - See District CADD Standard for precast reinforced concrete flat slab top.

01-01-97	RENUM. B-4.05, NEW REVISION BOX	
10-99	REVISION TO GENERAL NOTES	J.A.
02-00	REVISION TO DESIGNER NOTES	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

INLET-MANHOLE, TYPE G-1

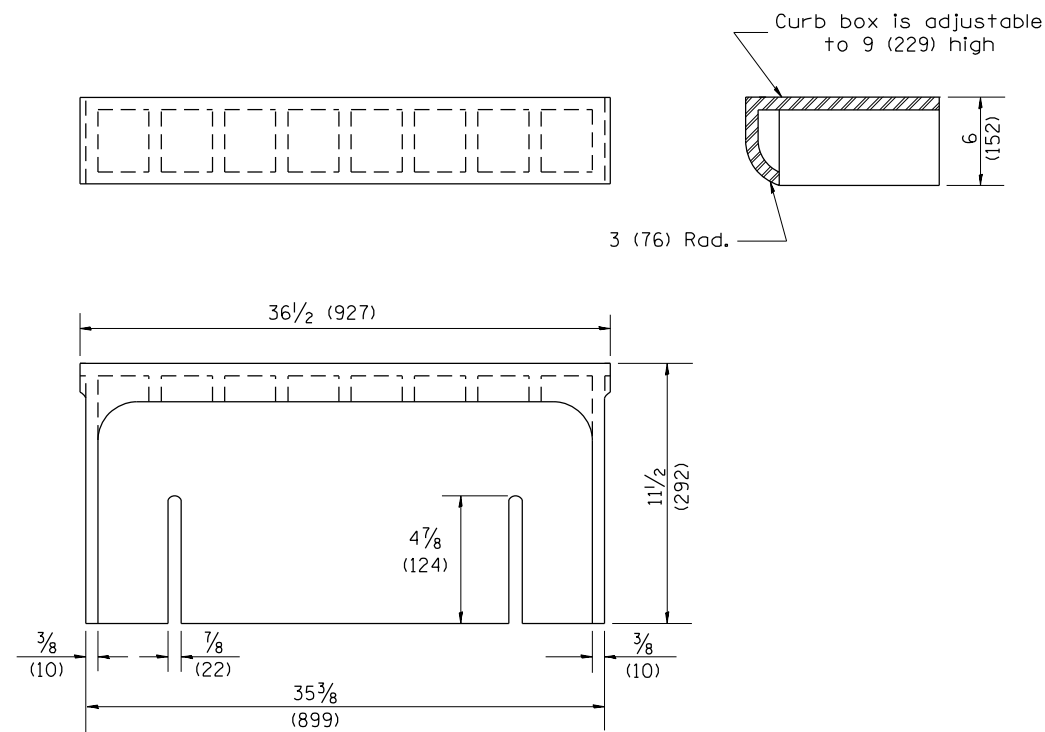
CADD STD. 602021-D4

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

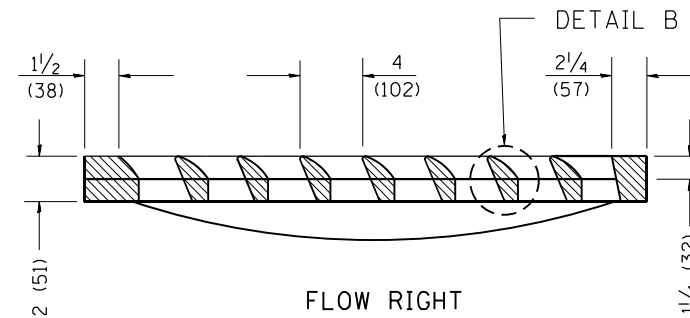
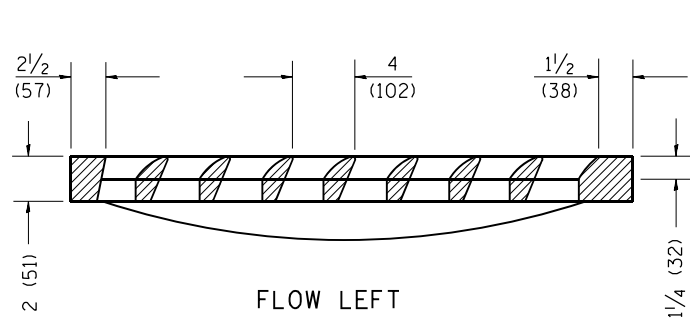
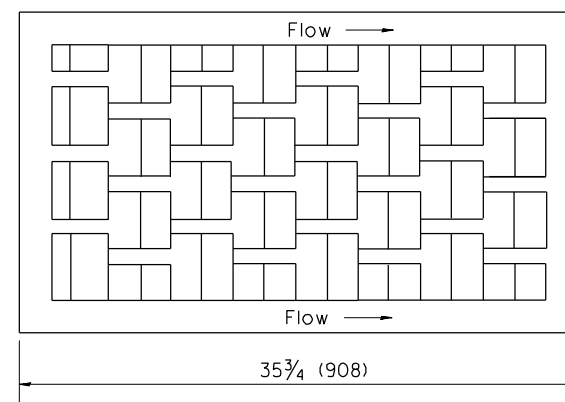
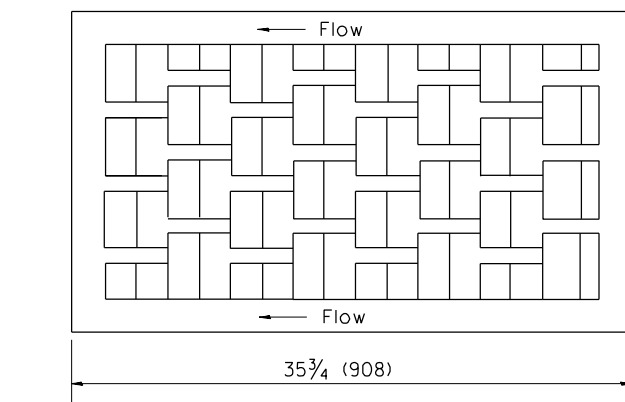
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	864
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



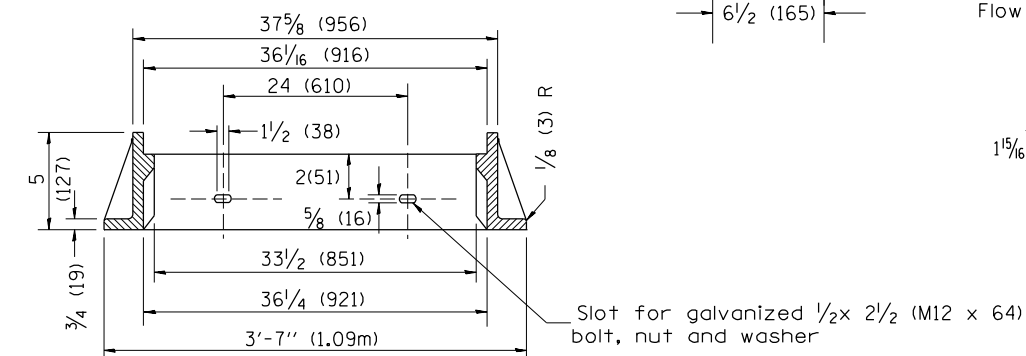
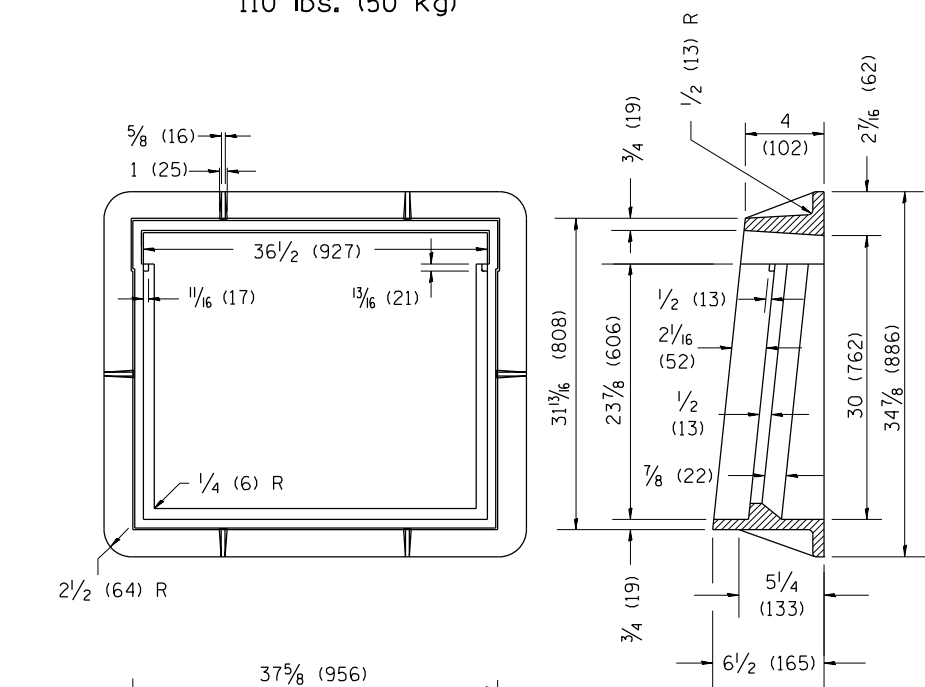
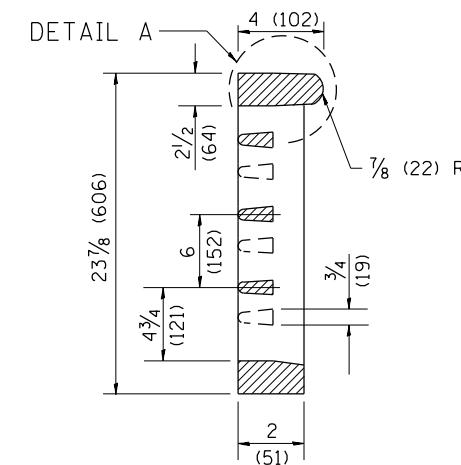




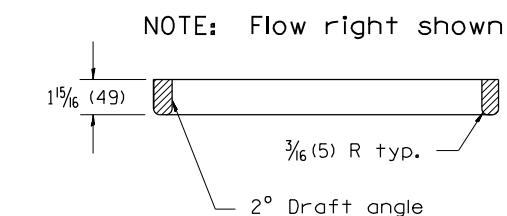
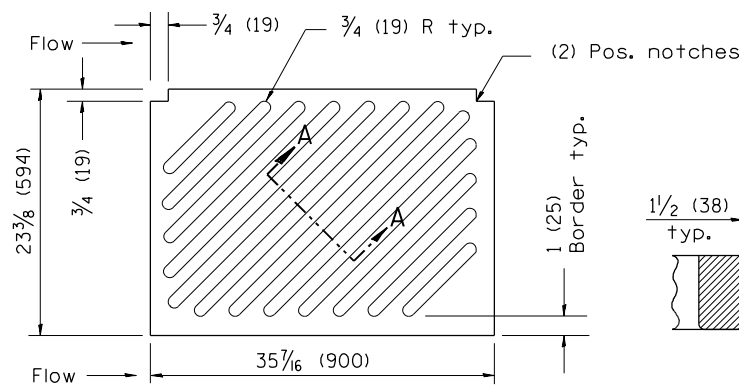
**CAST CURB BOX**  
110 lbs. (50 kg)



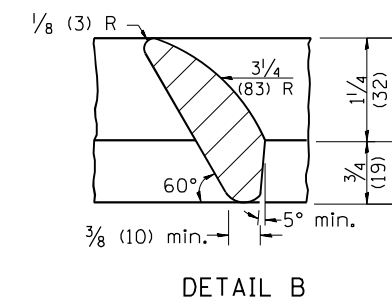
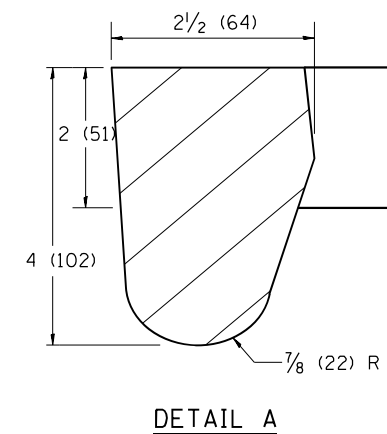
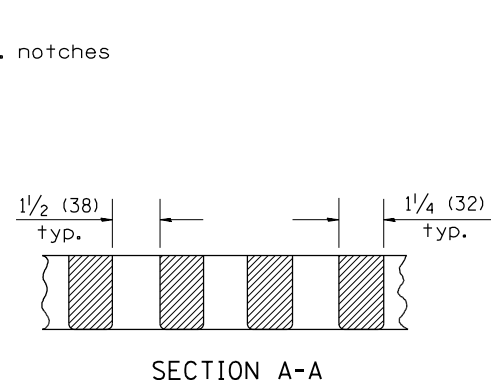
**CAST VANE GRATES**  
(SPECIFY LEFT OR RIGHT FLOW)  
230 lbs. (104 KG)



**CAST FRAME**  
271 lbs. (123 kg)



**CAST DIAGONAL GRATE**  
(Reversible for flow)  
217 lbs. (98 kg)



**GENERAL NOTES**

1. The frame and grate shown on this drawing are for use with all TYPE G-1 and TYPE G-1, SPECIAL DRAINAGE STRUCTURES. See plans for grate type and flow direction.
2. Flow direction: As viewed from street side.
3. Material: cast gray iron.

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

01-01-97	RENUM. B-10.01, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

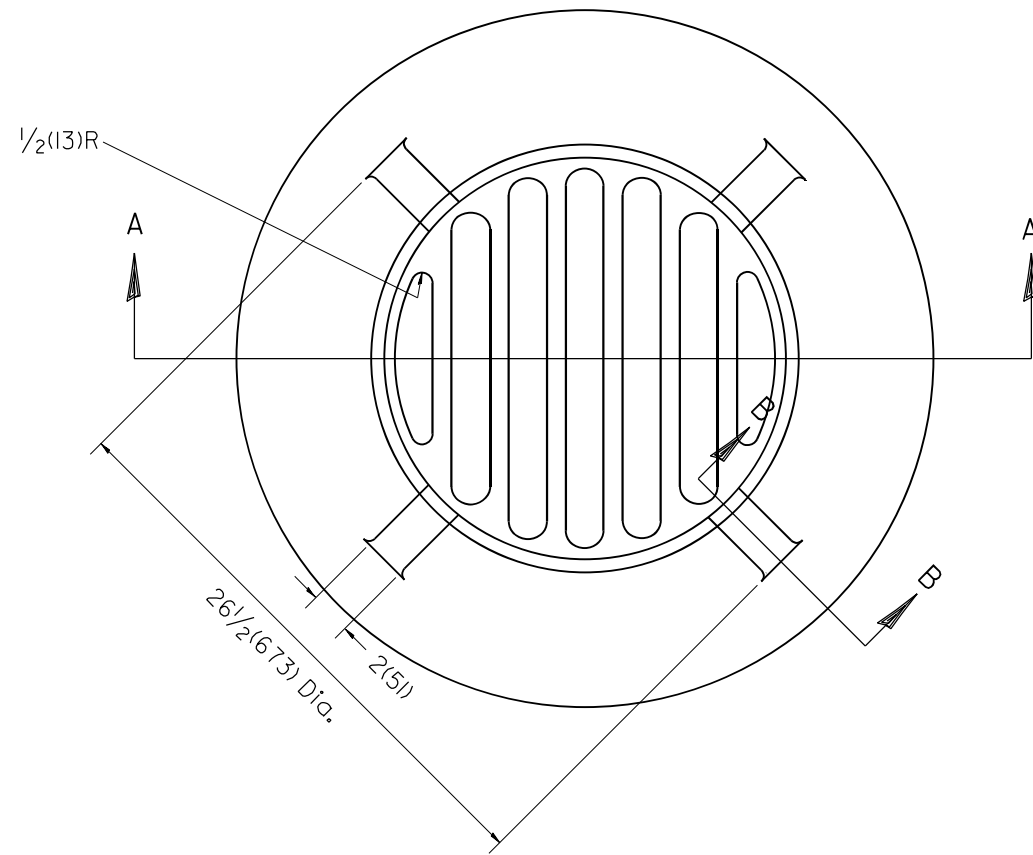
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**FRAME & GRATES FOR TYPE G-1 AND TYPE G-1,**  
**SPECIAL DRAINAGE STRUCTURES**

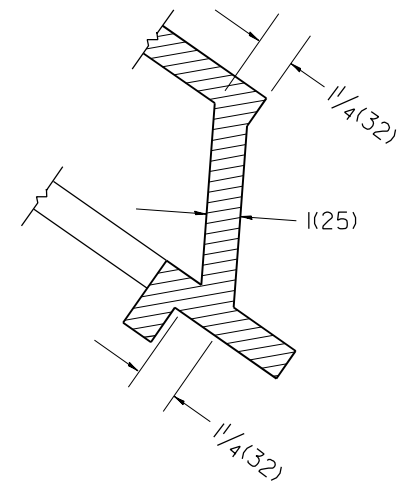
NOT TO SCALE

CADD STD. 604001-D4

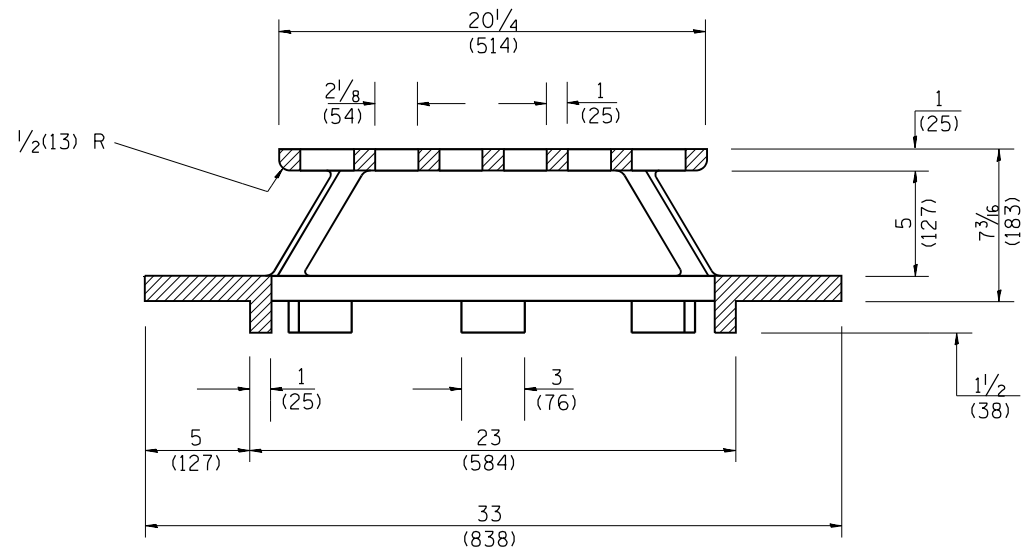
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	866
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PLAN



SECTION B - B



SECTION A - A

GENERAL NOTES

1. MATERIAL - Cast Gray Iron  
Weight 209 lbs (95 kg)

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

01-01-97	RENUM. B-10.02, NEW REVISION BOX	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

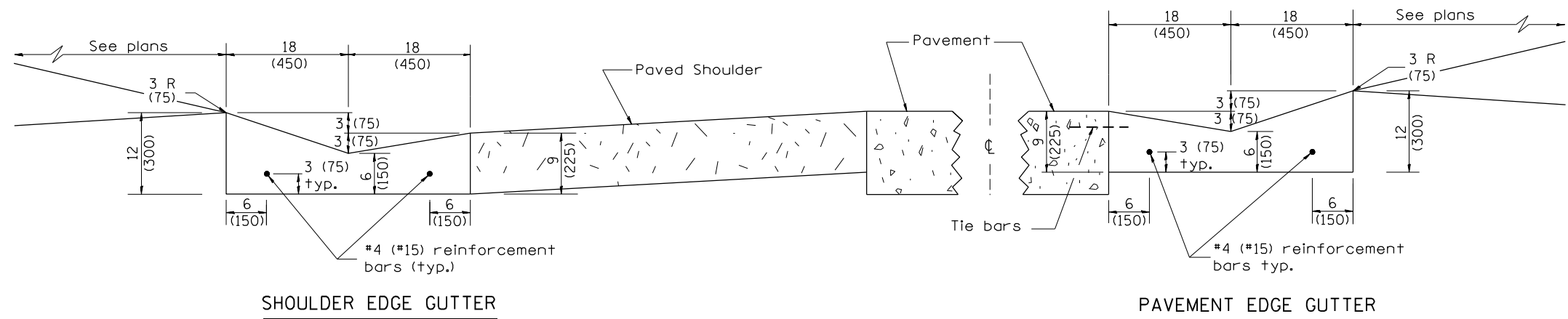
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPE 37 GRATE

NOT TO SCALE

CADD STD. 604301-D4

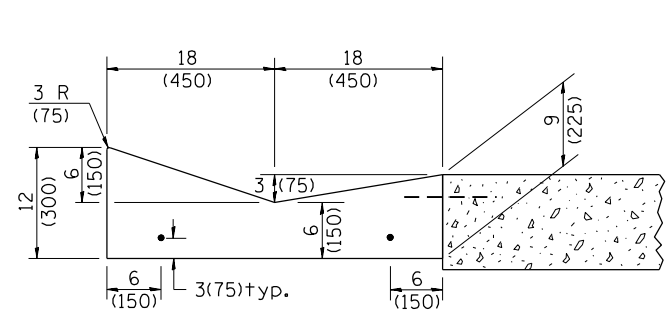
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	867
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



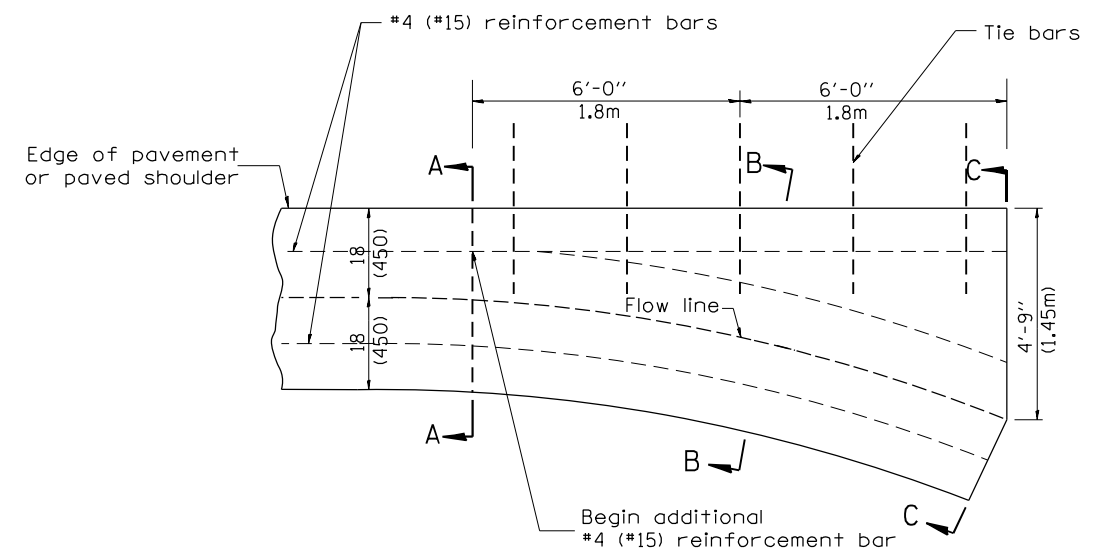
SHOULDER EDGE GUTTER

PAVEMENT EDGE GUTTER

CONCRETE GUTTER, TYPE A, (SPECIAL)

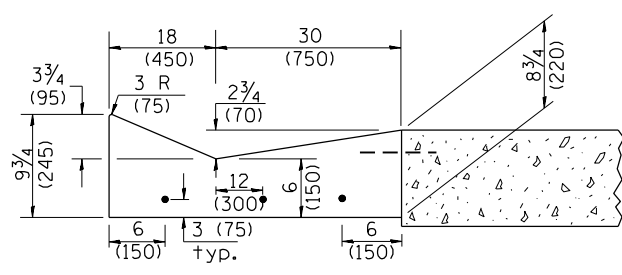


SECTION A-A

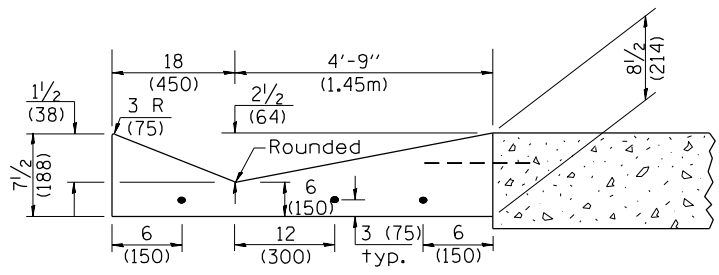


PLAN

**QUANTITY**  
Section C-C to A-A= 1.2 cu. yd.  
(0.92 m<sup>3</sup>) concrete.



SECTION B-B



SECTION C-C

INLET

GENERAL NOTES:

1. CONCRETE GUTTER, TYPE A, (SPECIAL) shall conform to the applicable portions of Section 606.
2. Tie bars shall be No. 6x24 (No. 19x600) at 36" (900mm) centers unless otherwise shown.
3. Gutter, gutter inlets, gutter outlets, and gutter entrances shall be tied to rigid pavement in accordance with details shown on Standard 420001.
4. Joints shall be constructed in accordance with Article 606.06.
5. Welded wire fabric shall conform to Article 1006.10(c)(1), and shall not be less than 58 lbs/100 sq.ft. (2.83 kg/m<sup>2</sup>).

QUANTITIES	
CALC. BY:	DATE:
CHECKED BY:	DATE:

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

NO.	DATE	DESCRIPTION	BY
01-01-97		RENUM. A-1.02, NEW REVISION BOX, ELIMINATED	T.P.
02-28-02		EXPANSION ANCHOR TIES	M.A.
10-16-06		ENTRANCE TYPICALS REVISED	M.A.
10-16-06		REVISED TO 2007 SPEC.	M.A.
01-10-07		REVISED QUANTITY	M.A.
11-16-07		REVISED QUANTITY	M.A.
02-15-11		CHANGED MODIFIED TO SPECIAL	R.D.
01-31-18		REVISED TIE BAR SIZE & SPACING	R.D.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

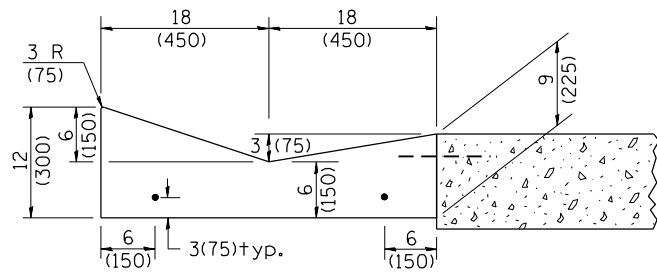
CONCRETE GUTTER, TYPE A, (SPECIAL)  
(INLET, OUTLET & ENTRANCE)

NOT TO SCALE

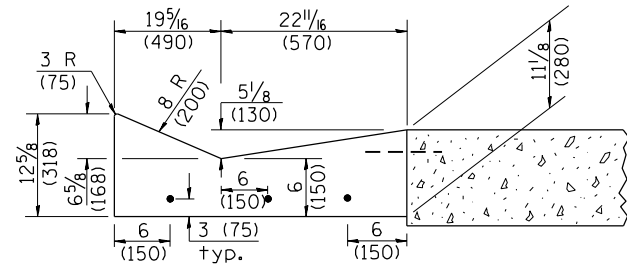
SHT. 1 OF 3  
CADD STD. 606101-D4

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

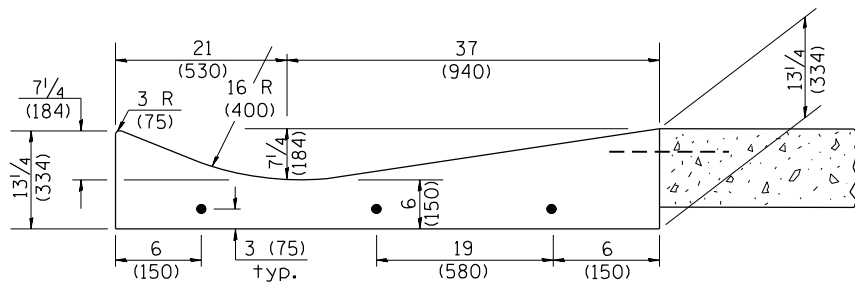
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	868
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



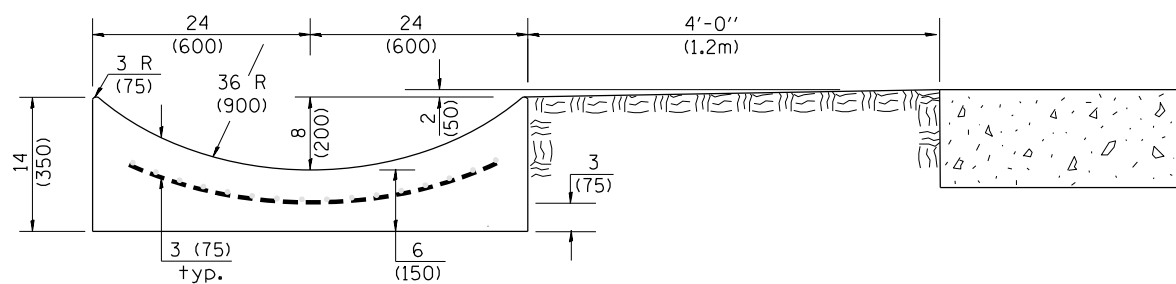
SECTION A-A



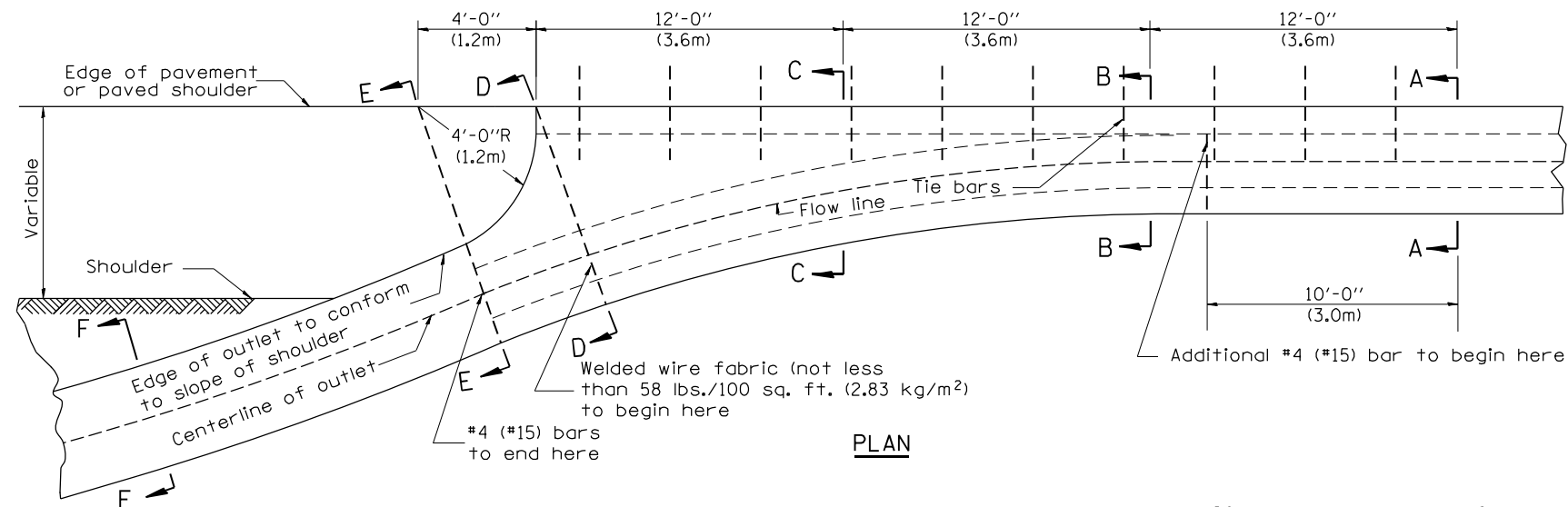
SECTION B-B



SECTION C-C



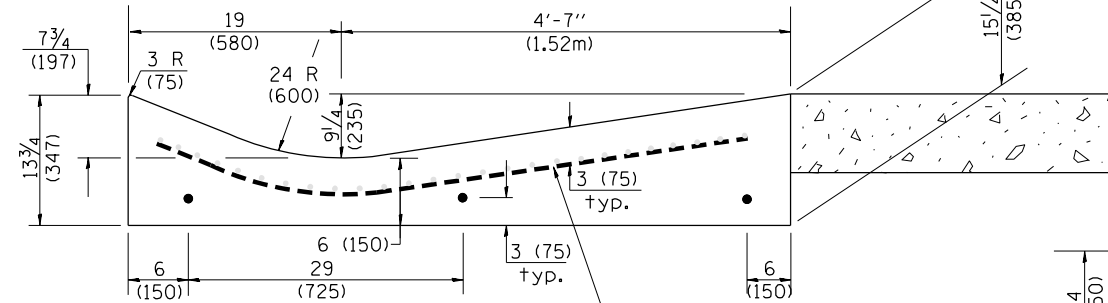
SECTION E-E



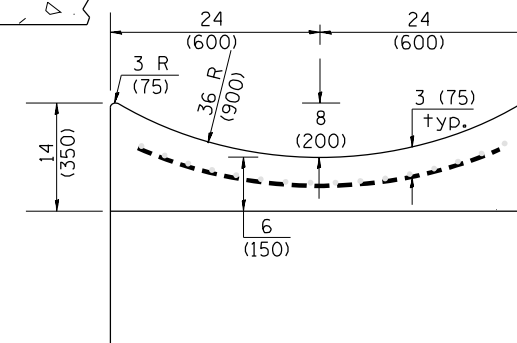
PLAN

**QUANTITY**  
 Section A-A to E-E = 4.5 cu. yd. (3.36 m<sup>3</sup>) concrete.  
 Section E-E to F-F = 0.10 cu. yd./ft. (0.26 m<sup>3</sup>/m) concrete.

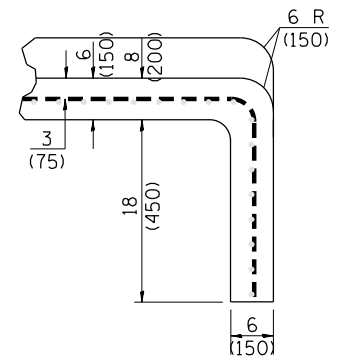
If the average grade of pavement for the distance from section A-A to section D-D exceeds 2%, this distance shall be increased 6 ft. (1.8 m) for each 1% increase in grade. A quantity adjustment is required.



SECTION D-D



SECTION F-F



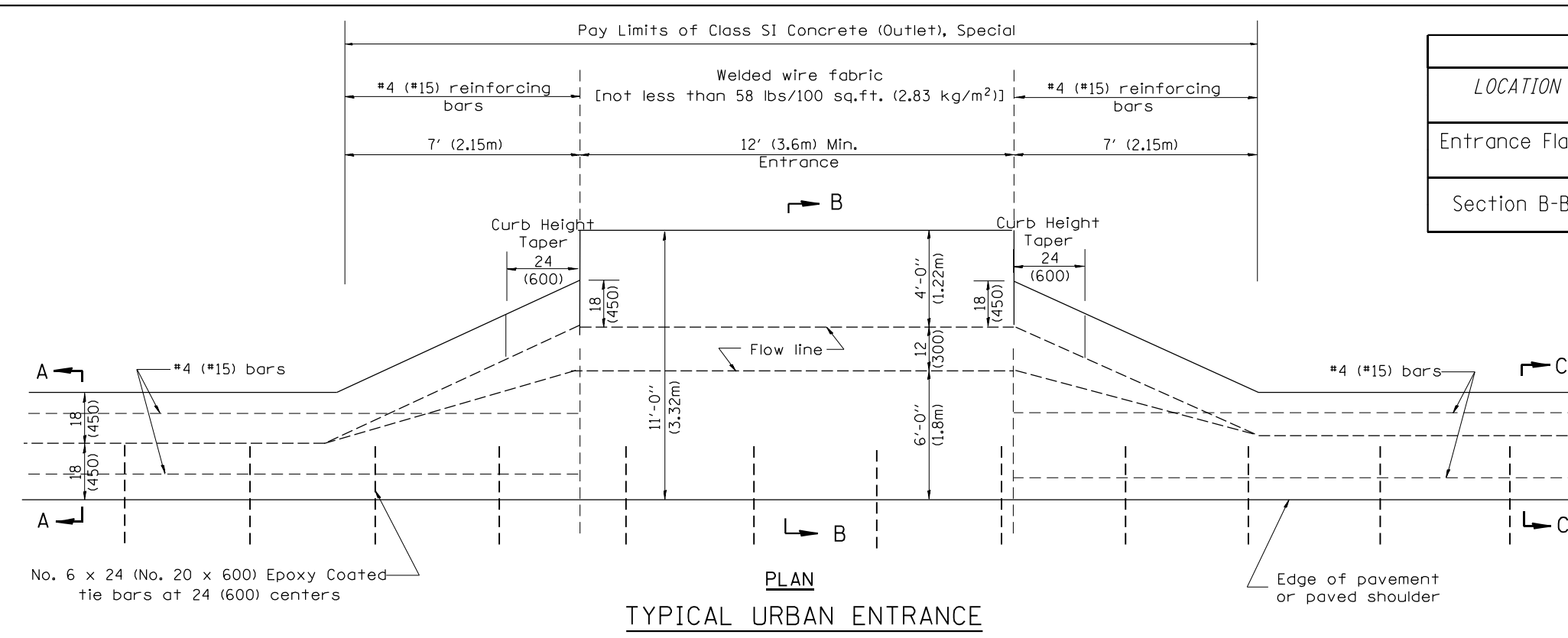
SECTIONS AT END OF OUTLET  
(CURTAIN WALL)

**QUANTITY**  
 Curtain Wall = 0.1 cu. yd. (0.08 m<sup>3</sup>) concrete.

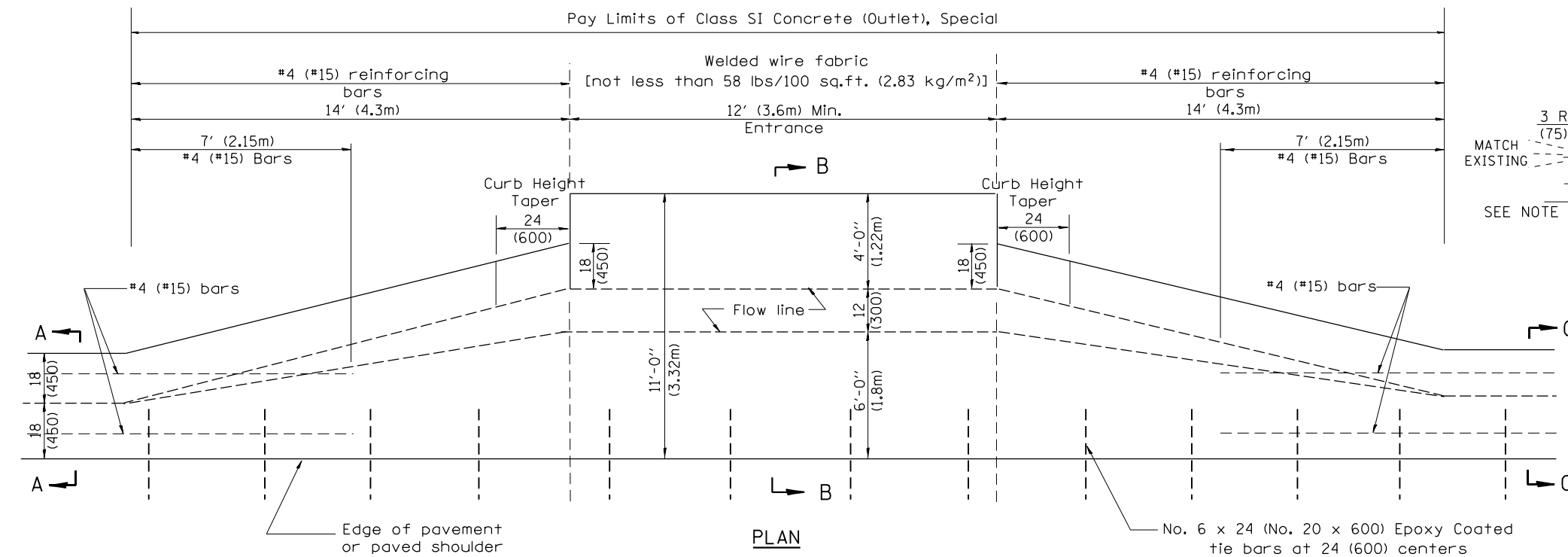
**QUANTITIES**  
 CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

OUTLET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	869
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



No. 6 x 24 (No. 20 x 600) Epoxy Coated tie bars at 24 (600) centers



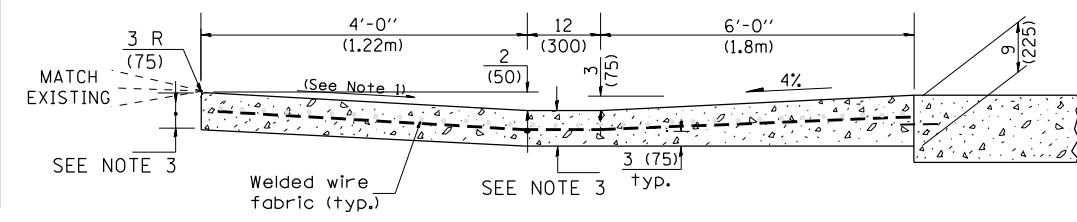
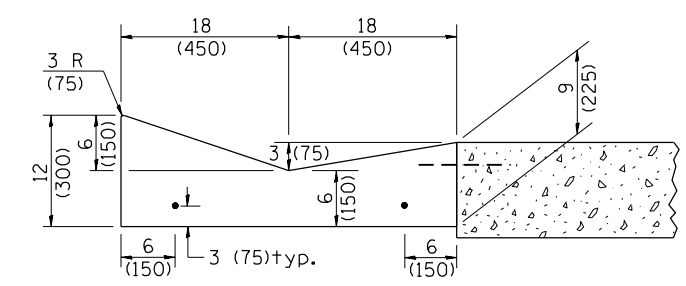
**QUANTITIES**

CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

QUANTITY CALCULATION			
LOCATION	LENGTH	NON-COMMERCIAL 6 (150)	COMMERCIAL ENTRANCE 8 (200)
Entrance Flare	7 Ft (2.15 m) Urban 14 Ft (4.30 m) Rural	0.15 Cu Yd / Ft (0.37 Cu M / M)	0.18 Cu Yd / Ft (0.45 Cu M / M)
Section B-B	See Plans	0.23 Cu Yd / Ft (0.57 Cu M / M)	0.28 Cu Yd / Ft (0.70 Cu M / M)



- GENERAL NOTES**
- Slope may be increased from 4% (min.) to 6% (max.) in order to match the existing.
  - The cross-slope is to be constructed as given in the plans from back turnout to where driveway matches existing.
  - For Non-Commercial Entrances the driveway thickness shall be 6 (150). For Commercial Entrances the driveway thickness shall be 8 (200).

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

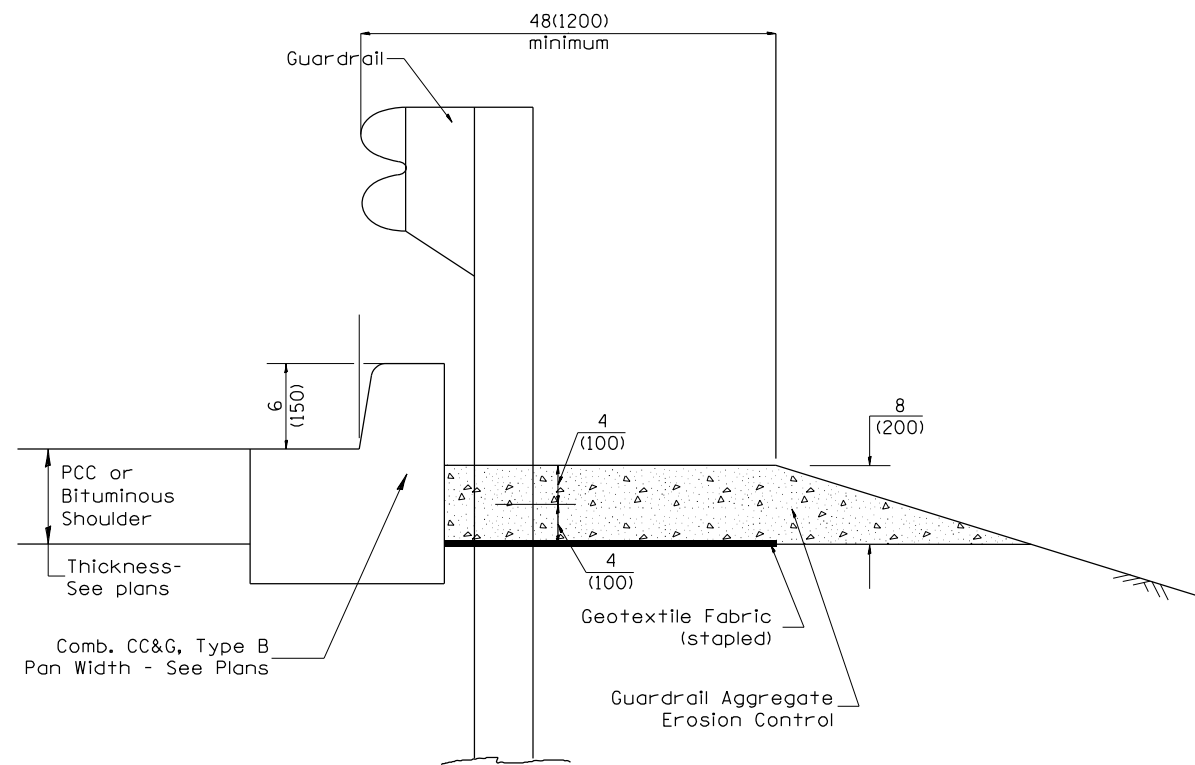
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

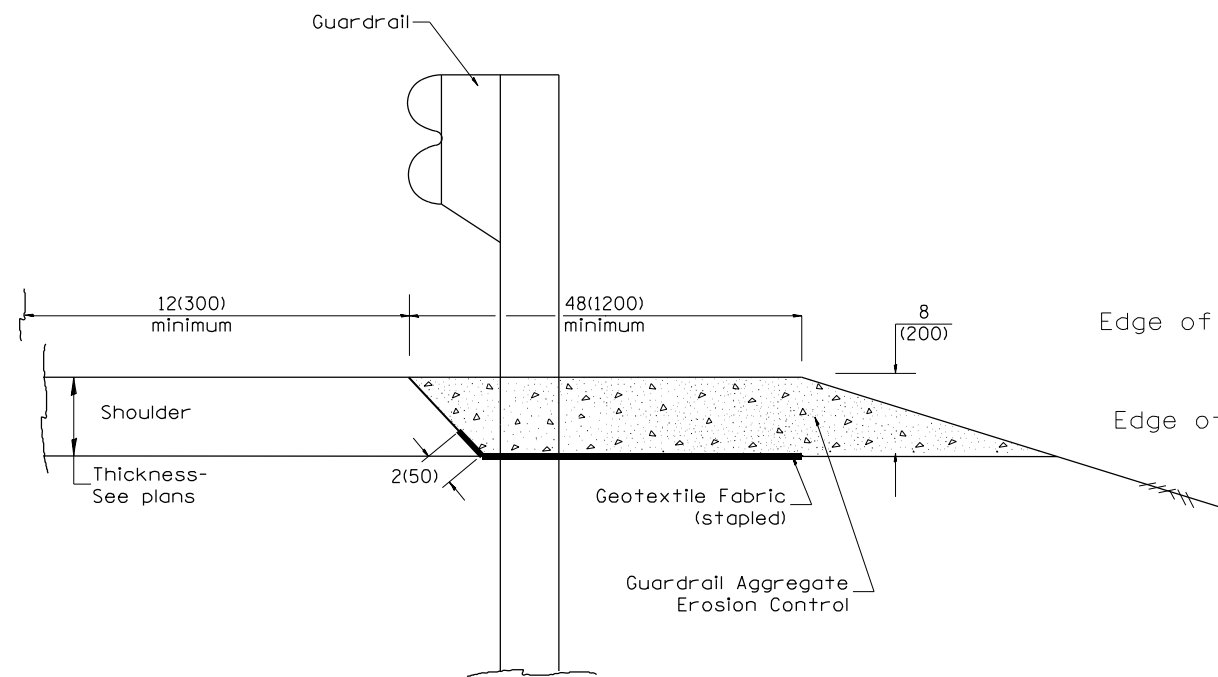
CONCRETE GUTTER, TYPE A, (SPECIAL)  
(INLET, OUTLET & ENTRANCE)

SHT. 3 OF 3  
CADD STD. 606101-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	870
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



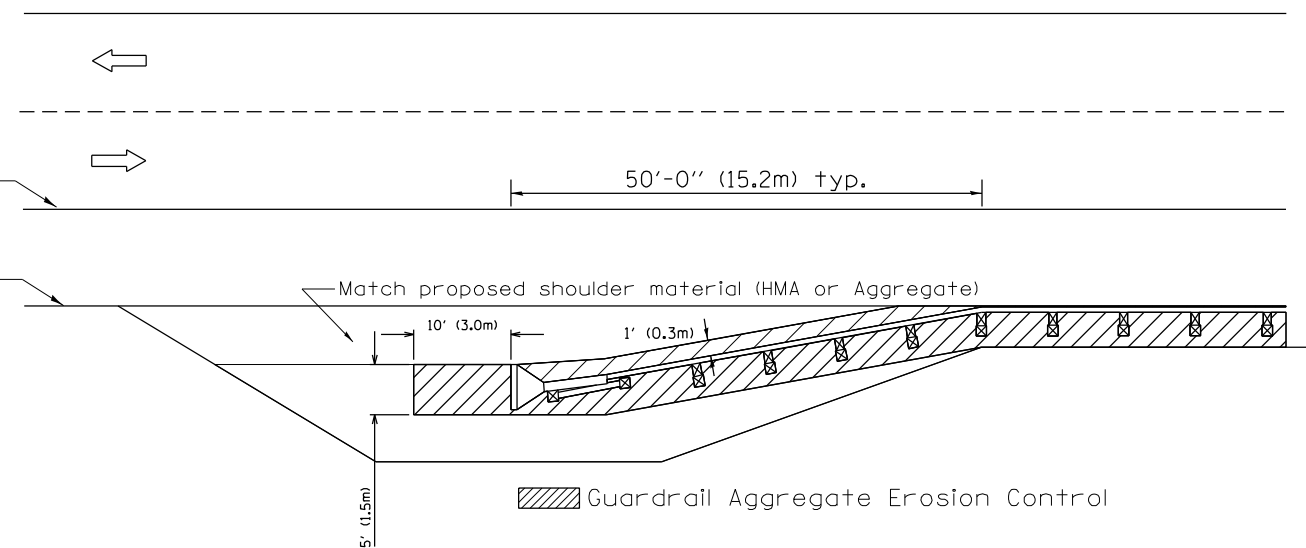
**TYPICAL SECTION WITH COMBINATION CONCRETE CURB & GUTTER**



**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.

03-07-11	ADDED DETAIL SHOWING PLAN VIEW	R.D.	5-30-18	CHANGE B CURB TO CC&G	R.D.
08-10-12	REVISED CURB "B" AND AGGREGATE	R.D.	07-16-19	SPELLING CORRECTIONS	R.D.
07-15-15	ADDRESSED SHOULDER INLET CURB	R.D.			
01-26-17	REVISED	R.D.			

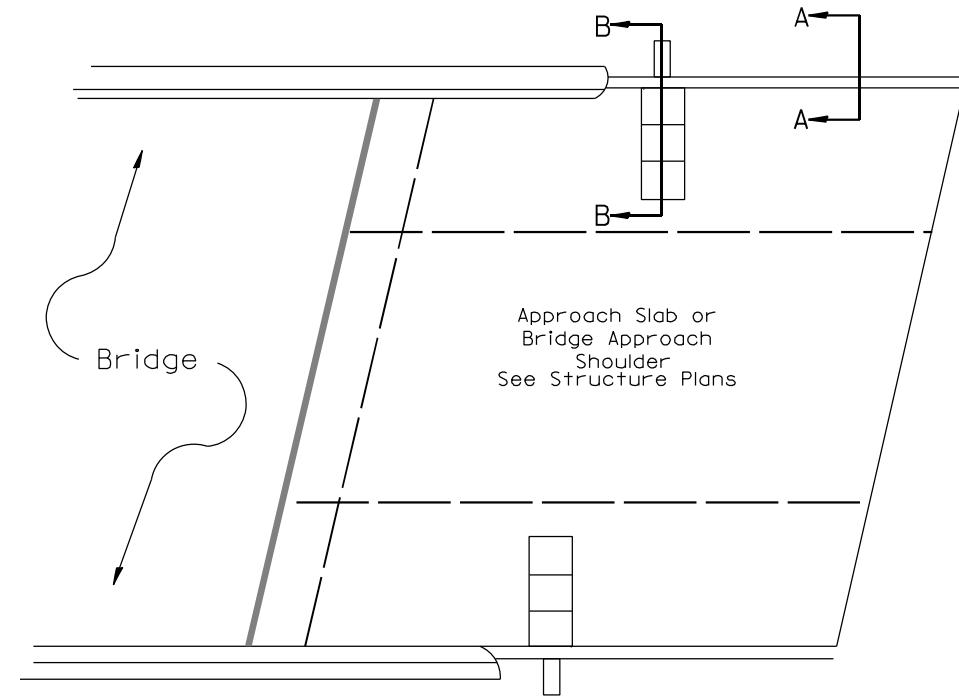
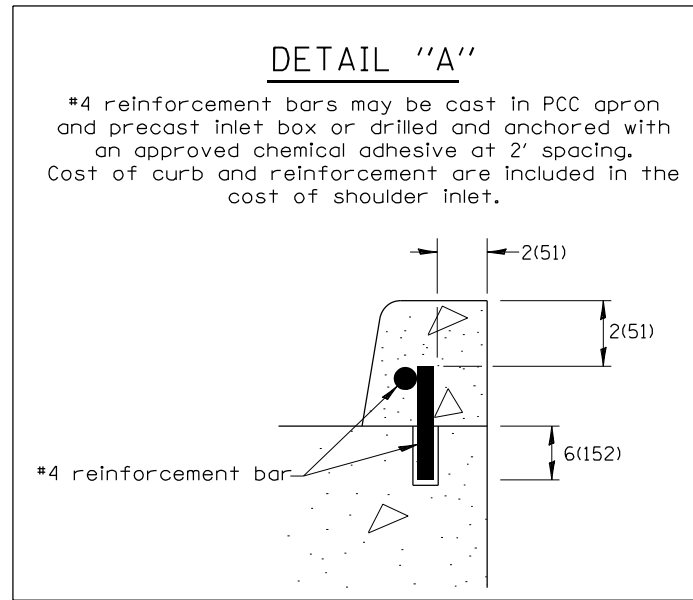
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

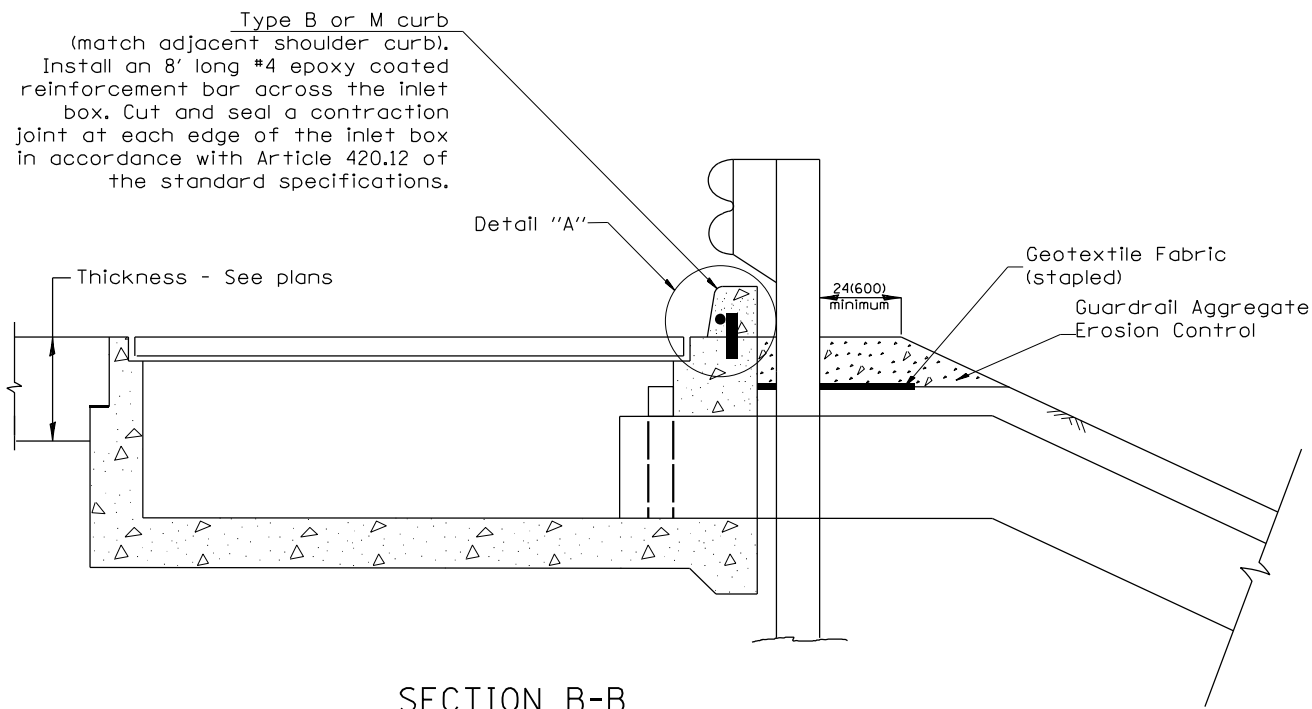
**GUARDRAIL EROSION CONTROL TREATMENTS**

SHT. 1 OF 2  
CADD STD. 630101-D4

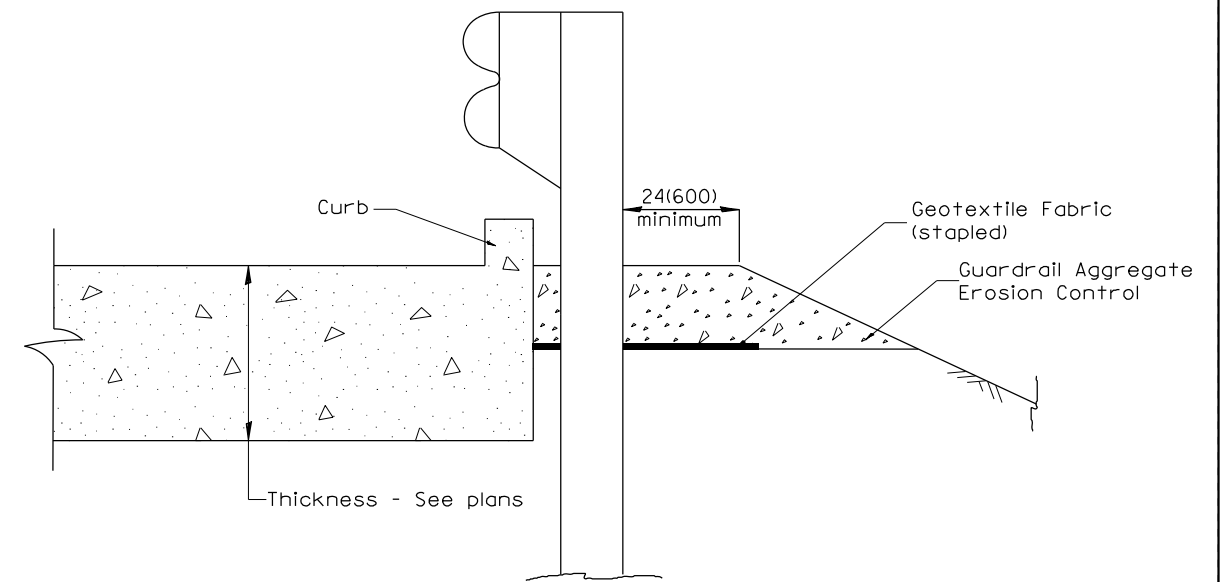
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	871
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**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**

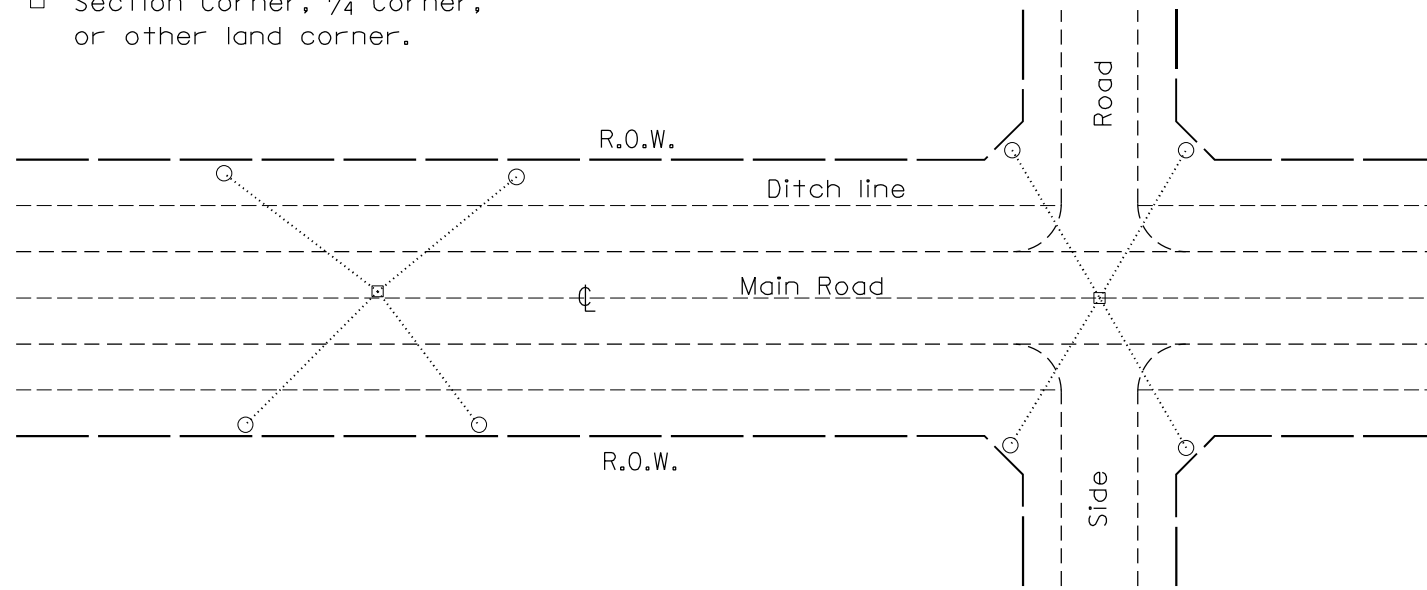
All dimensions are in inches (millimeters) unless otherwise noted.

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>GUARDRAIL EROSION CONTROL TREATMENTS</b>				TOTAL SHEETS 1173	SHEET NO. 872
NOT TO SCALE				SHT. 2 OF 2 CADD STD. 630101-D4				CONTRACT NO.	
F.A. RTE.		SECTION		COUNTY		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



**PERMANENT SURVEY TIES**

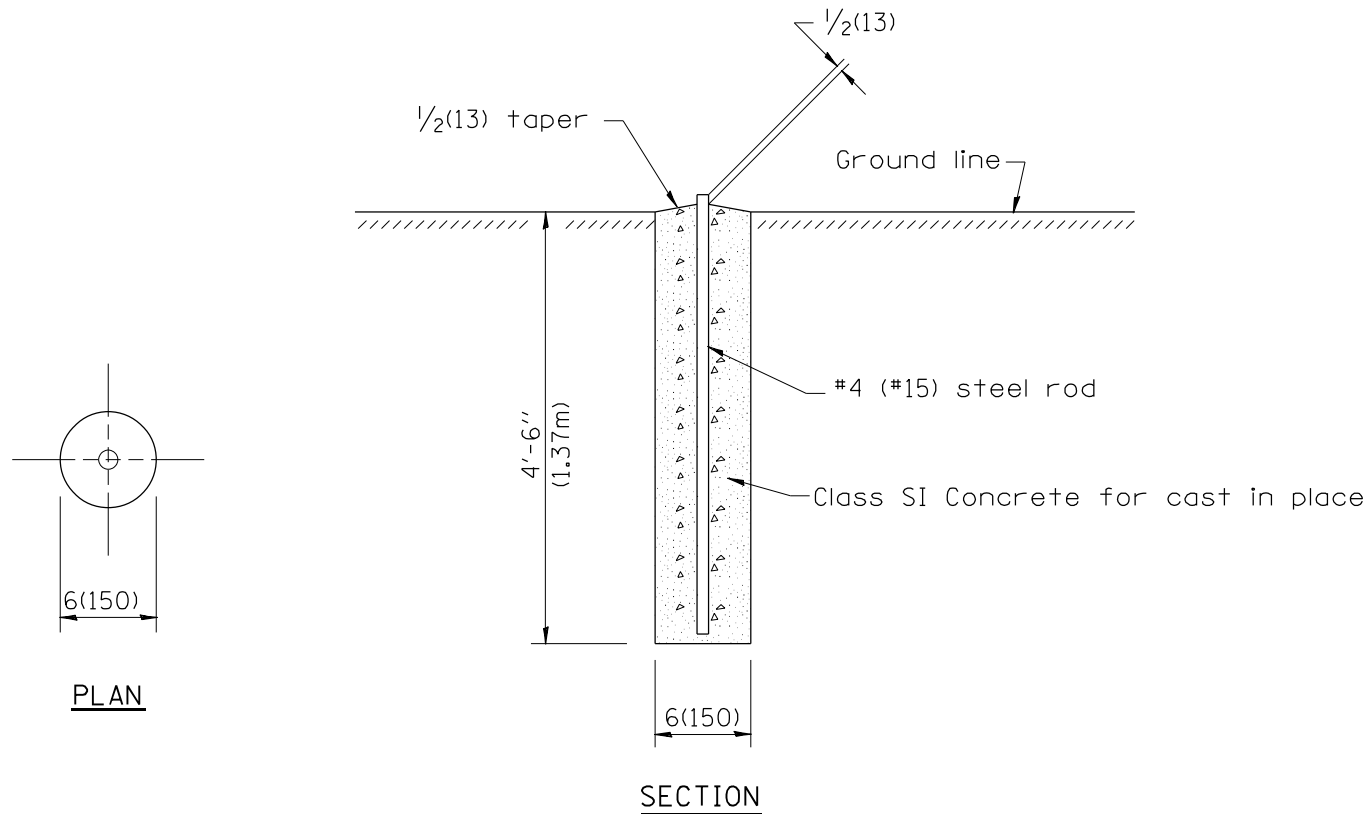
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



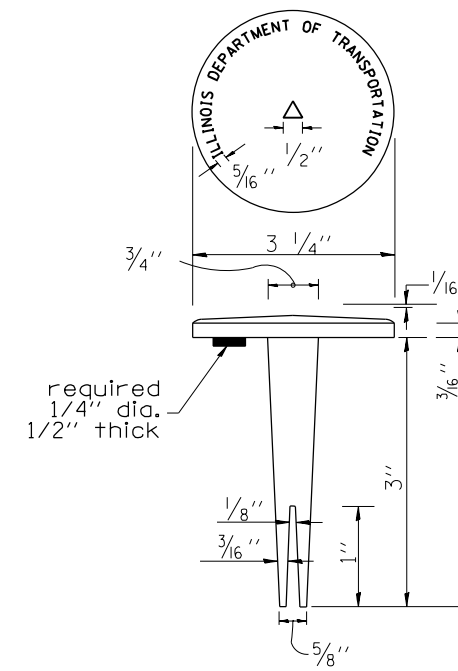
**TYPICAL APPLICATION**

**GENERAL NOTES**

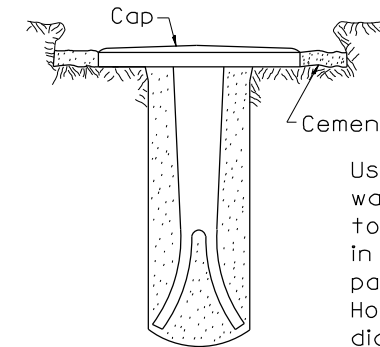
1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the surveyor setting the PSM. All ties shall be turned over to the IDOT Chief of Surveys or Chief of Plats after recordation.
4. All documentation shall be performed by a PLS
5. The metal tablet used on permanent survey markers shall be made of bronze.



**PERMANENT SURVEY MARKERS**

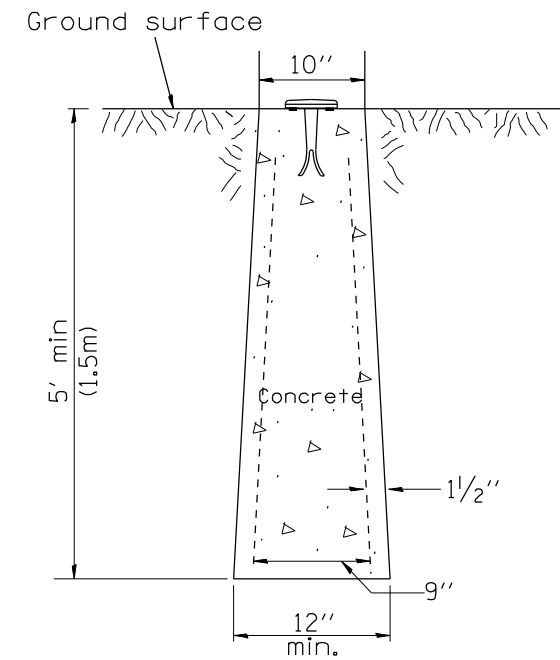


**BRASS TABLET**



Tablet constructed in rock ledge or concrete.

**TYPE I**



**TYPE II  
CAST-IN-PLACE MARKER**

**GENERAL NOTES**

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/4 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s, P.C.'s, and P.I.'s located within the R.O.W. of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.

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

01-01-97	RENUM. D-3.01, NEW REVISION BOX, REVISED	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
	TITLE BOX, ADD DESIGNER NOTE		01-04-11	REVISED FOR CORRECTIONS	R.D.
07-07-98	ADD DESIGNER NOTE	J.A.	08-21-13	CHANGED MIN. DIAMETER	R.D.
05-24-06	REMOVED GEN. NOTE UNDER TIES	M.A.	08-25-15	REVISED MATERIAL	R.D.

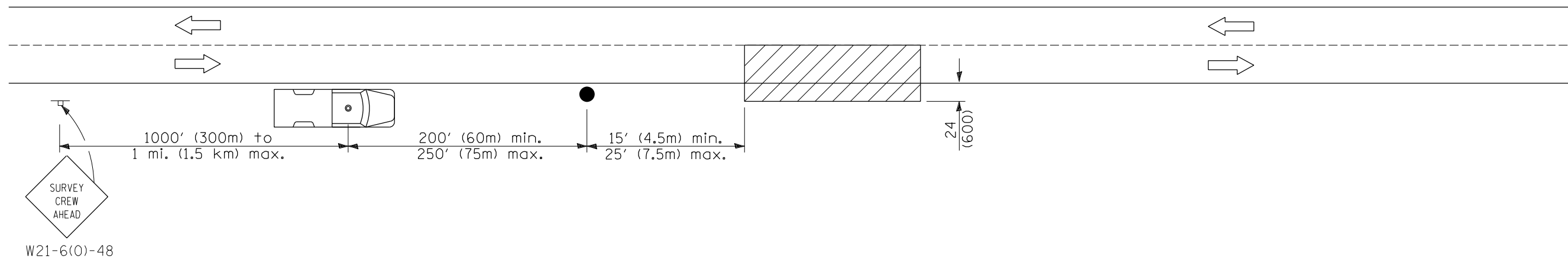
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**PERMANENT SURVEY TIE &  
PERMANENT SURVEY MARKERS TY.I - TY.II**


CADD STD. 667101-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	873
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				




### SYMBOLS

 Work area

 Sign on portable or permanent support

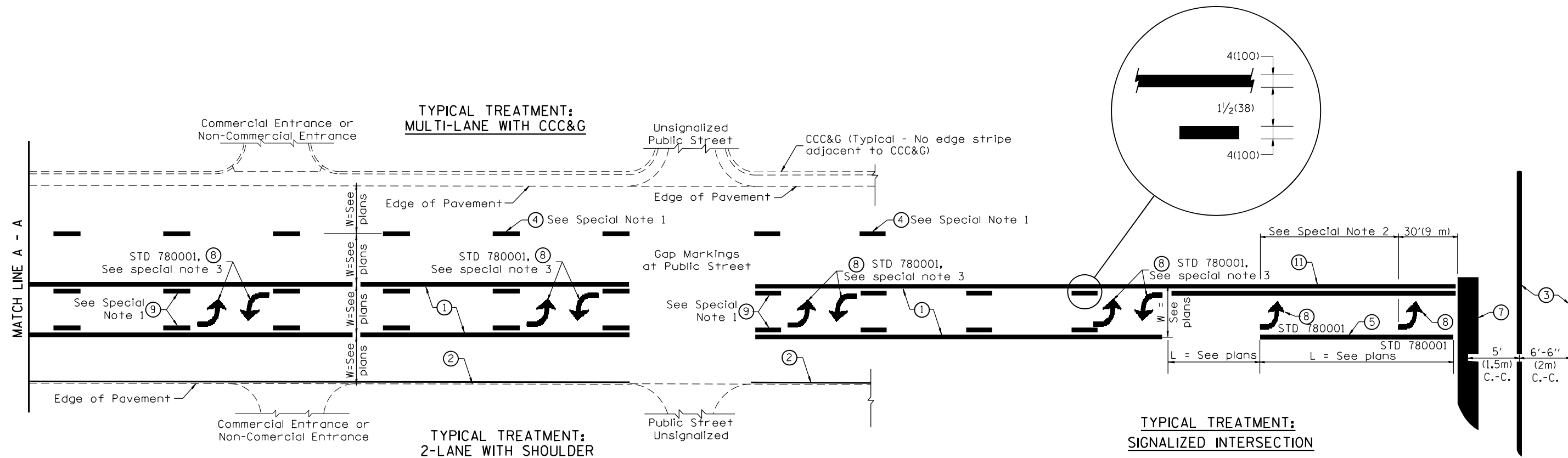
 Truck with flashing amber light and dual emergency flashers

 Flagger with traffic control sign

TYPICAL APPLICATIONS  
Utility operations

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

01-01-97	RENUM. E-3.04, METRICS, NEW REVISION BOX, REVISED	T.P.				<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NIGHTTIME LIGHTING INSPECTION</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	TITLE BOX												1173	874
10-16-06	REVISED TO 2007 SPEC.	M.A.											CONTRACT NO.	
							NOT TO SCALE	CADD STD. 701301-D4		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.
3. Refer to Article 780.13 for letter, number and symbol areas (sq. ft.)
4. Areas are grooved 1" beyond each edge for the following symbols:  
Through Arrow= 14.8 sq. ft.  
Large Left or Right Arrow= 21.9 sq. ft.  
2 Arrow Combination Left (or Right) and Through= 34.9 sq. ft.  
Wrong Way Arrow= 29.5 sq. ft.  
Railroad Crossing Symbol= 69.8 sq. ft.  
(For further information, refer to BDE Special Provision: Grooving for Recessed Pavement Markings)

01-01-97	RENUM. F-8.03, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	
02-07-97	ADD BI DIRECTIONAL DIMENSION	J.A.	2/29/16	ADDED GROOVING AREAS	R.D.
10-97	CORRECT BI DIRECTIONAL DIMENSION	J.A.	07-16-19	SPELLING CORRECTIONS	R.D.
08-02	ADD CROSSWALK DMNS. WITH T.S.	M.A.			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

NOT TO SCALE

**TYPICAL PAVEMENT MARKINGS**

SHT. 1 OF 2  
CADD STD. 780001-D4

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			1173	875
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

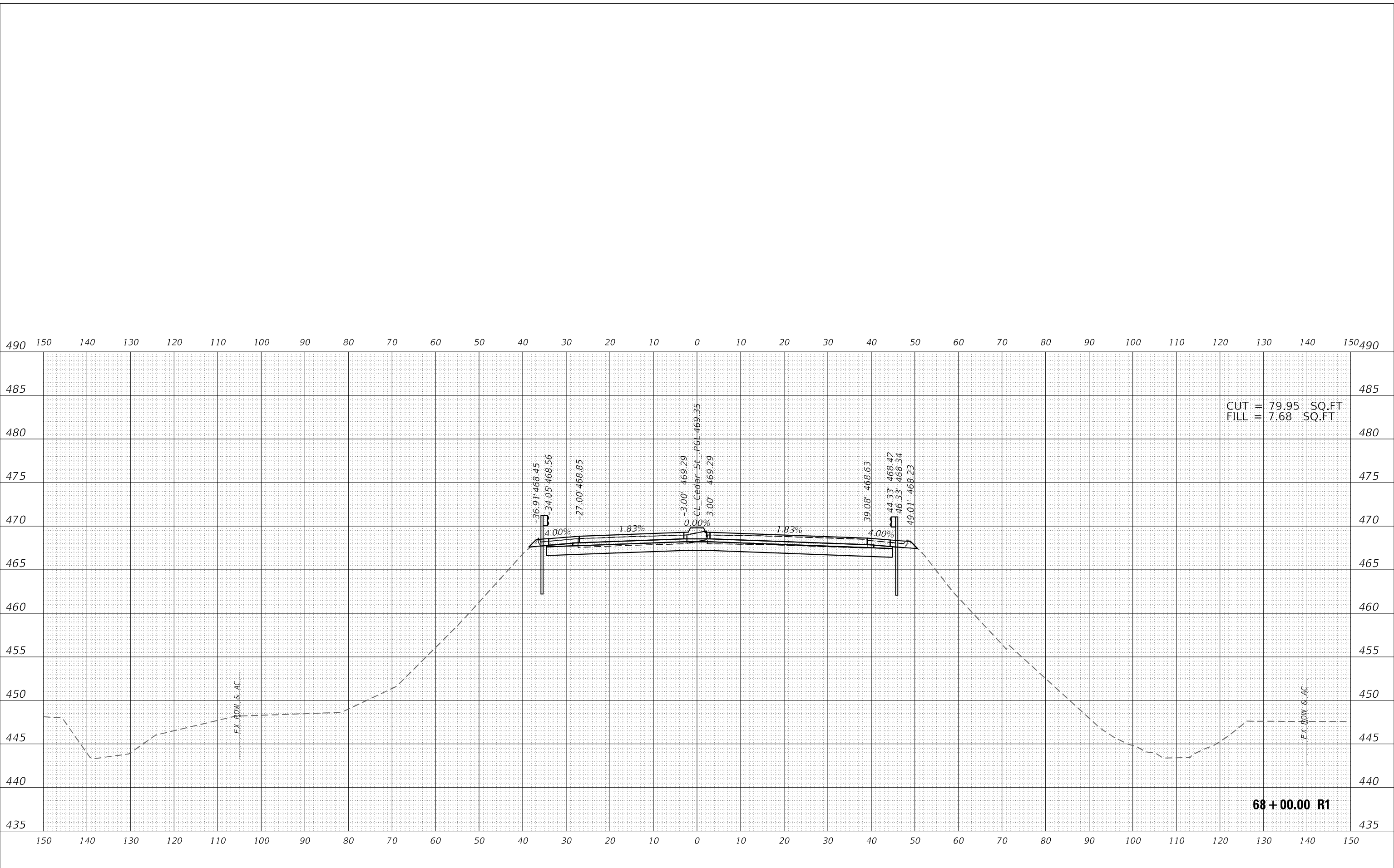




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 USER: dlamb



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USER NAME = dlamb	DESIGNED - TOM	REVISED -
	DRAWN - TOM	REVISED -
PLOT SCALE = 20,0000' / in.	CHECKED - RBB	REVISED -
PLOT DATE = 6/6/2023	DATE - 06/08/2023	REVISED -

DESIGNED - TOM	REVISED -
DRAWN - TOM	REVISED -
CHECKED - RBB	REVISED -
DATE - 06/08/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

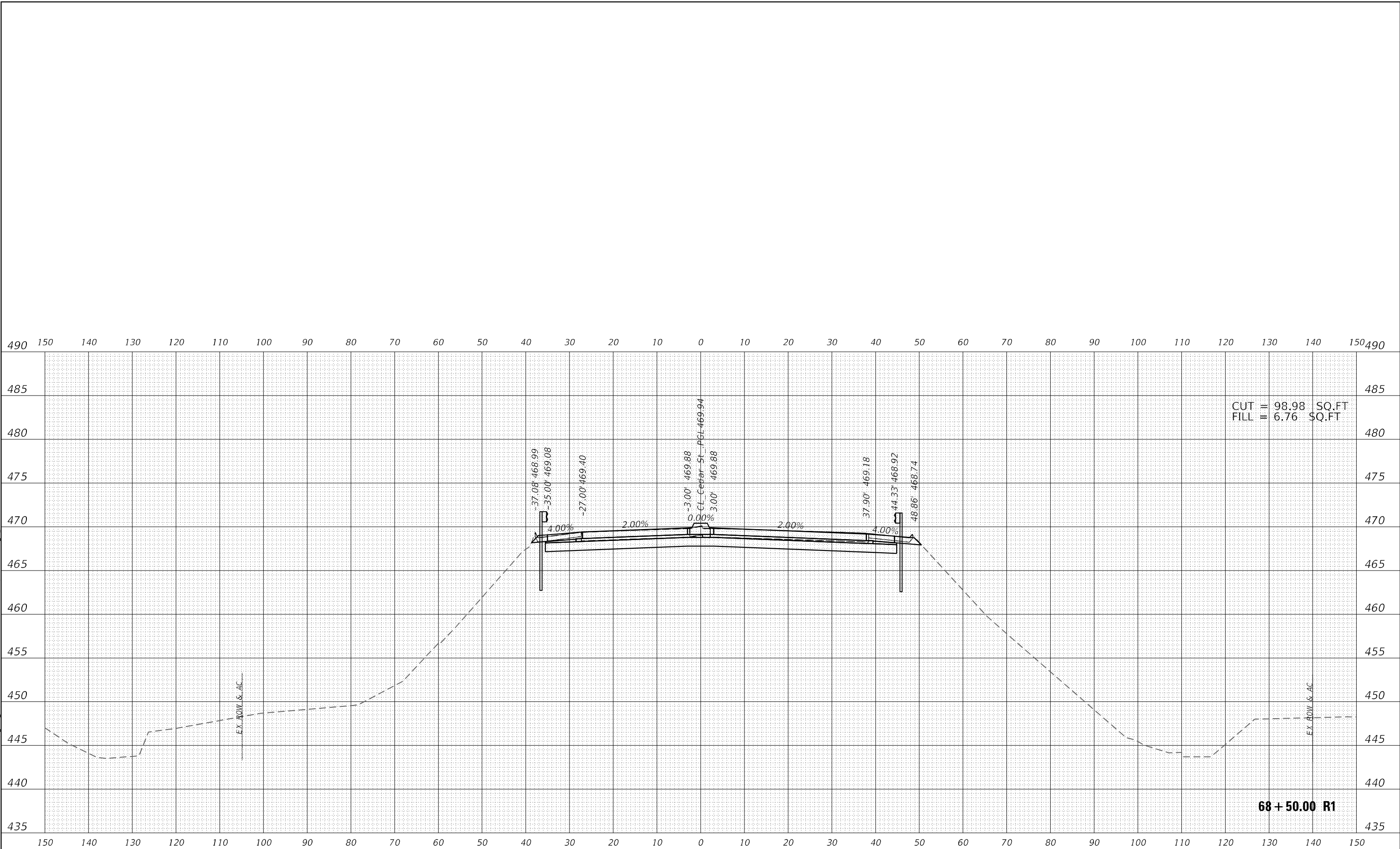
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	878
			CONTRACT NO. 68C55	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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	AREAS CHECKED	

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	AREAS CHECKED	

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 USER: dlamb



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PLOT SCALE = 20,0000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 6/6/2023	CHECKED - RBB	REVISED -
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DESIGNED - TOM	REVISED -
DRAWN - TOM	REVISED -
CHECKED - RBB	REVISED -
DATE - 06/08/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TAZEWELL RD & IL-29  
 CROSS SECTIONS - CEDAR STREET**

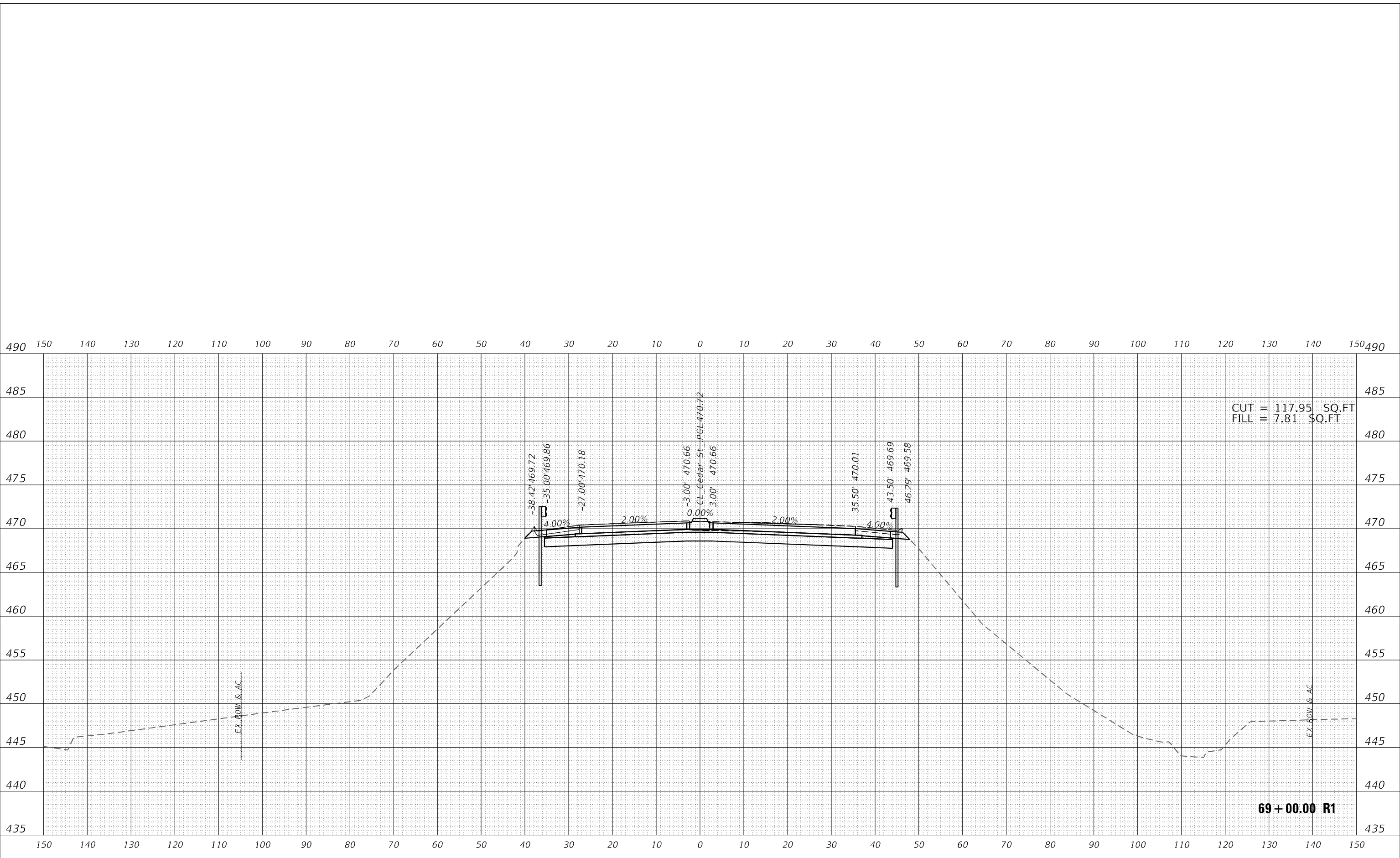
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	879
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
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 Cedar



CUT = 117.95 SQ.FT  
 FILL = 7.81 SQ.FT

69 + 00.00 R1

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CHECKED -	RBB
DATE -	06/08/2023
PLOT SCALE =	20,0000' / in.
PLOT DATE =	6/6/2023

DESIGNED -	TOM	REVISED -	
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CHECKED -	RBB	REVISED -	
DATE -	06/08/2023	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

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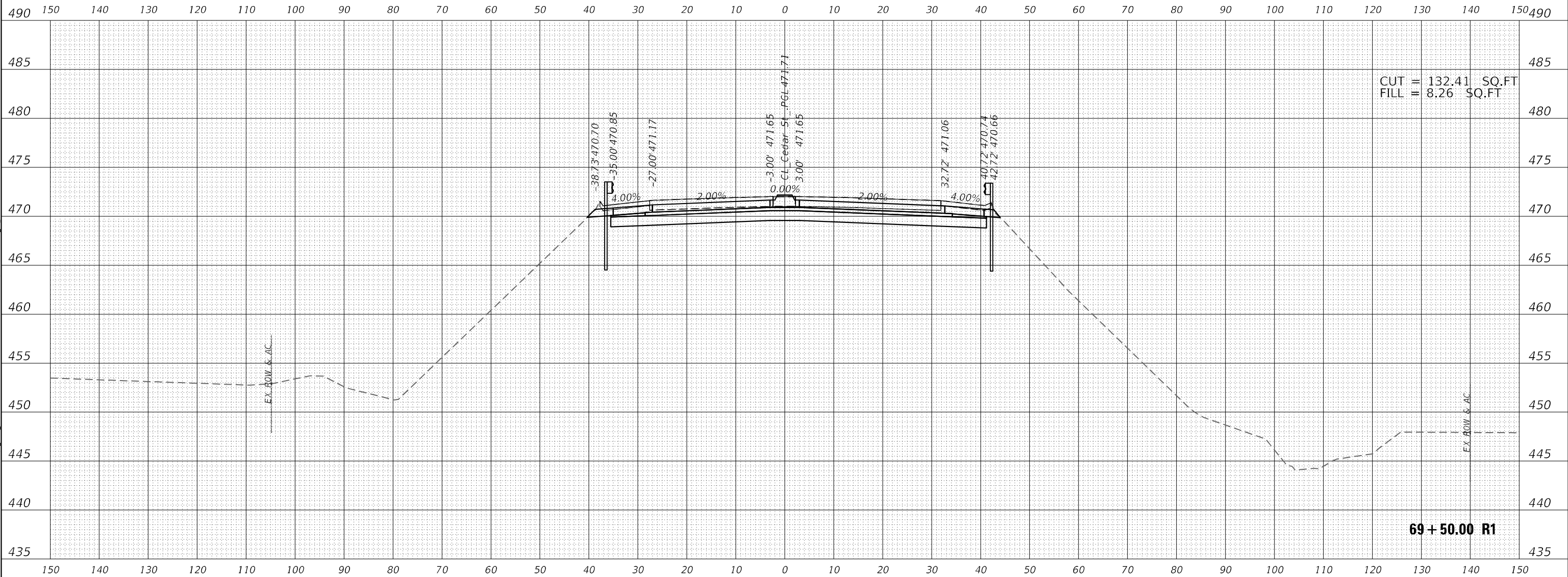
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				CONTRACT NO. 68C55
ILLINOIS FED. AID PROJECT				



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 DESIGNED - TOM  
 DRAWN - TOM  
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DESIGNED - TOM  
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 CHECKED - RBB  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

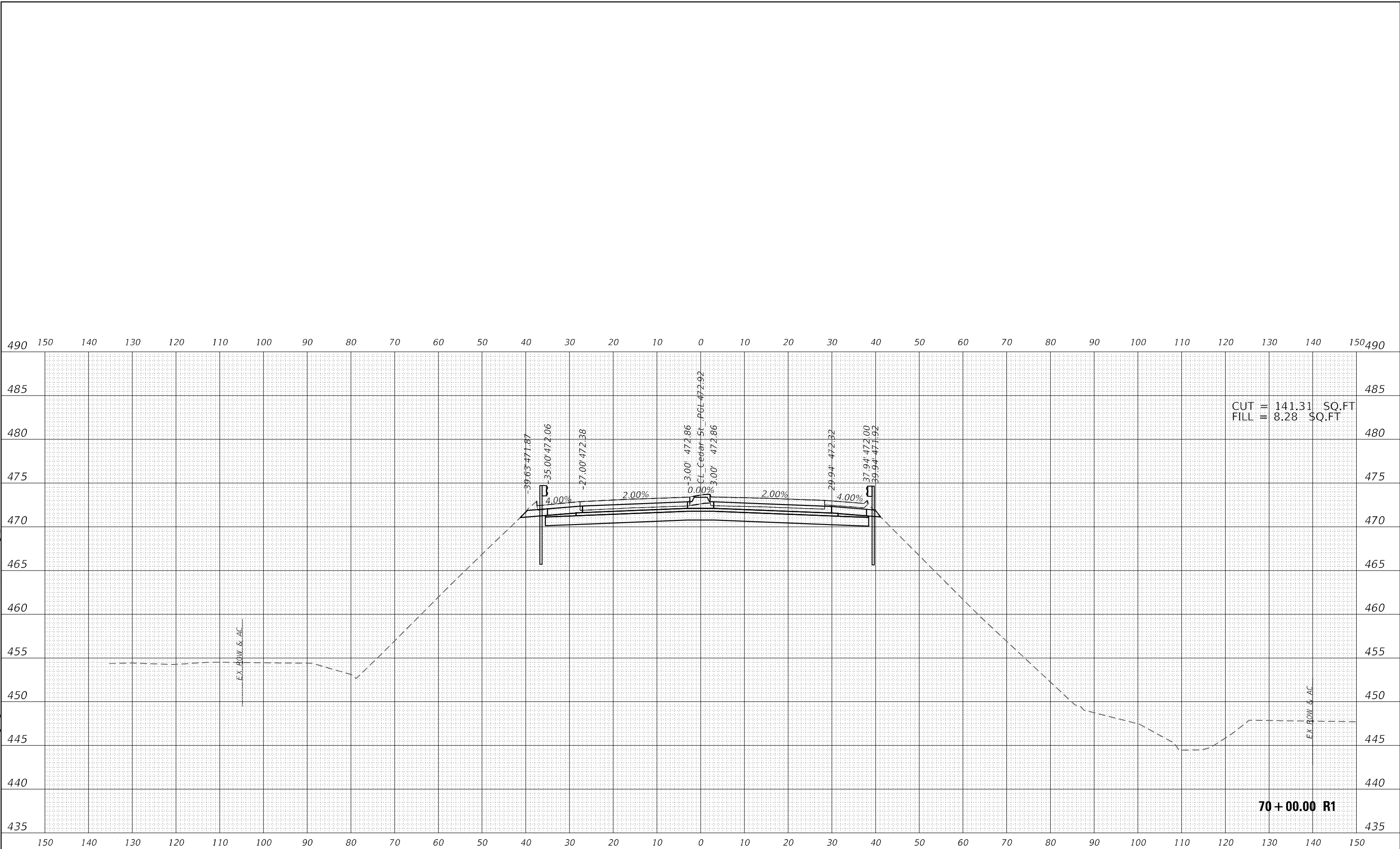
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 CROSS SECTIONS - CEDAR STREET**  
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 SHEET OF SHEETS  
 STA. 69+50.00 R1 TO STA. 69+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	881
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
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NOTE BOOK	PLOTTED		
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USER NAME = DLamb	DESIGNED - TOM	REVISED -
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PLOT DATE = 6/6/2023	CHECKED - RBB	REVISED -
	DATE - 06/08/2023	REVISED -

DESIGNED - TOM	REVISED -
DRAWN - TOM	REVISED -
CHECKED - RBB	REVISED -
DATE - 06/08/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

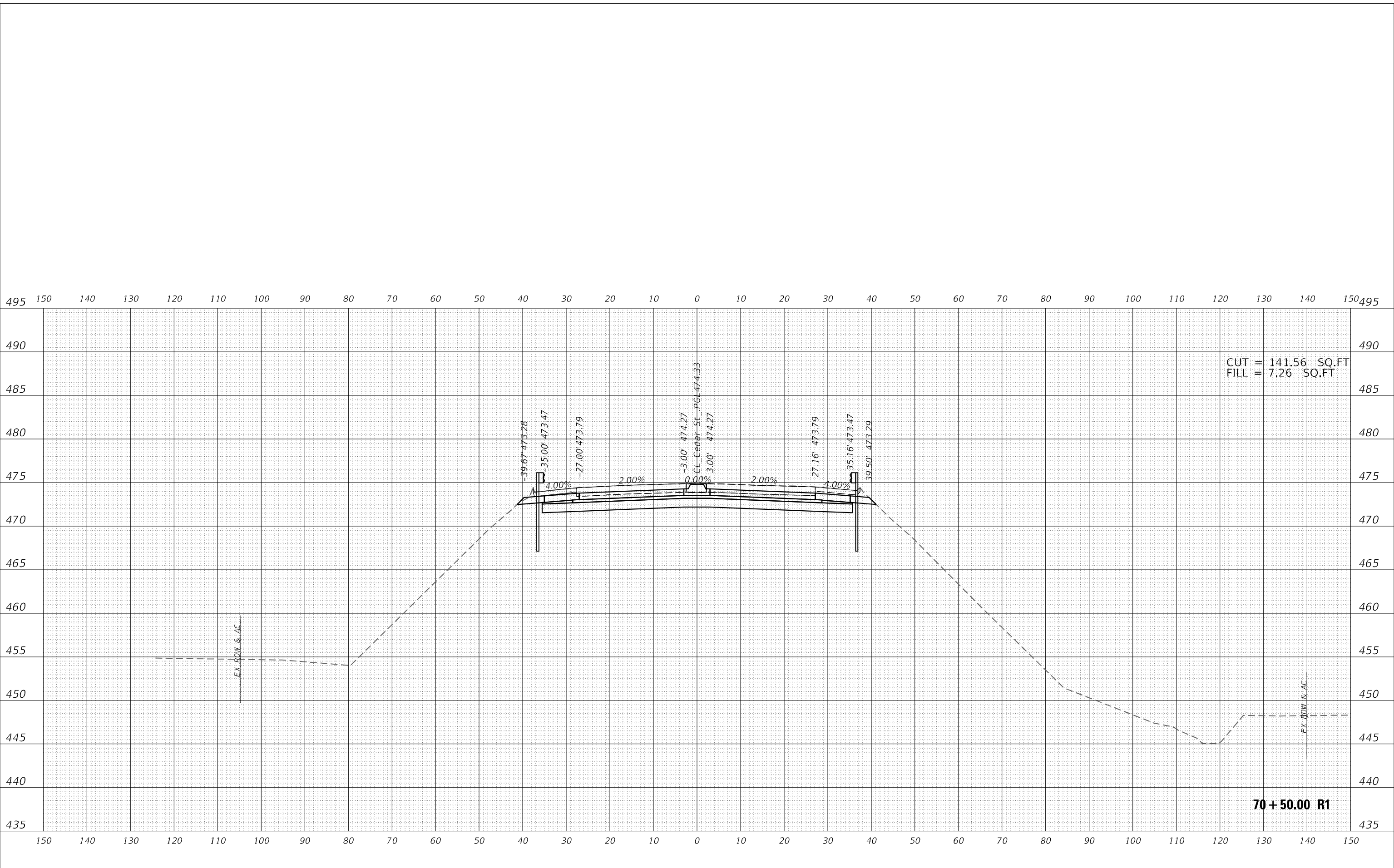
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	882
			CONTRACT NO. 68C55	
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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 Cedar



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DATE -	06/08/2023
REVISIONS	
REVISED -	
REVISED -	
REVISED -	

DESIGNED -	TOM
DRAWN -	TOM
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DATE -	06/08/2023
REVISIONS	
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REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

SCALE: 10:1      SHEET      OF      SHEETS      STA. 70+50.00 R1 TO STA. 70+50.00 R1

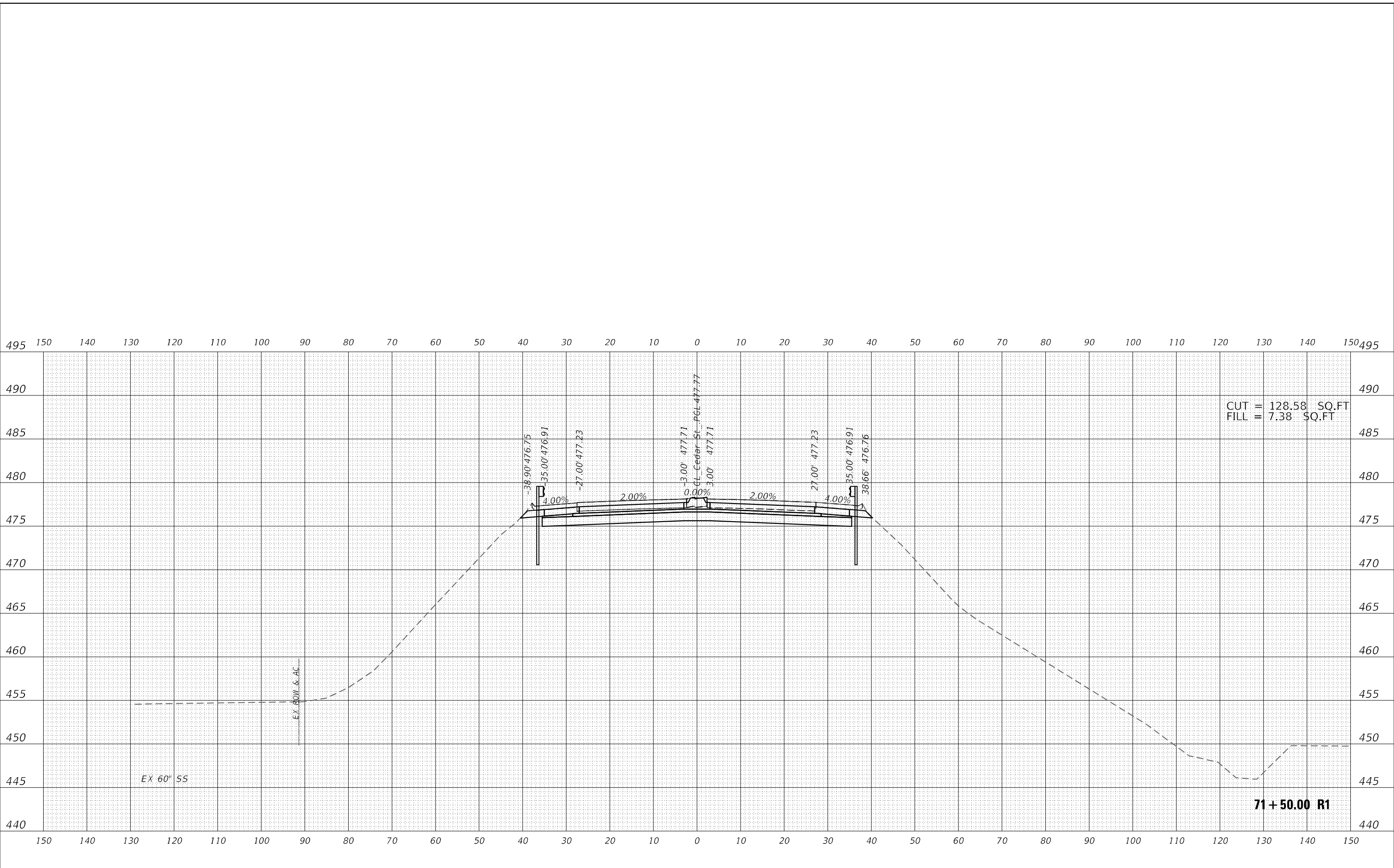
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VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	883
				CONTRACT NO. 68C55
				ILLINOIS FED. AID PROJECT



FINAL SURVEY NO.	BY	DATE
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ORIGINAL SURVEY NO.	BY	DATE
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 Cedar



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USER NAME =	DLamb
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DRAWN -	TOM
CHECKED -	RBB
DATE -	06/08/2023
PLOT SCALE =	20,0000' / in.
PLOT DATE =	6/6/2023

DESIGNED -	TOM	REVISED -	
DRAWN -	TOM	REVISED -	
CHECKED -	RBB	REVISED -	
DATE -	06/08/2023	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

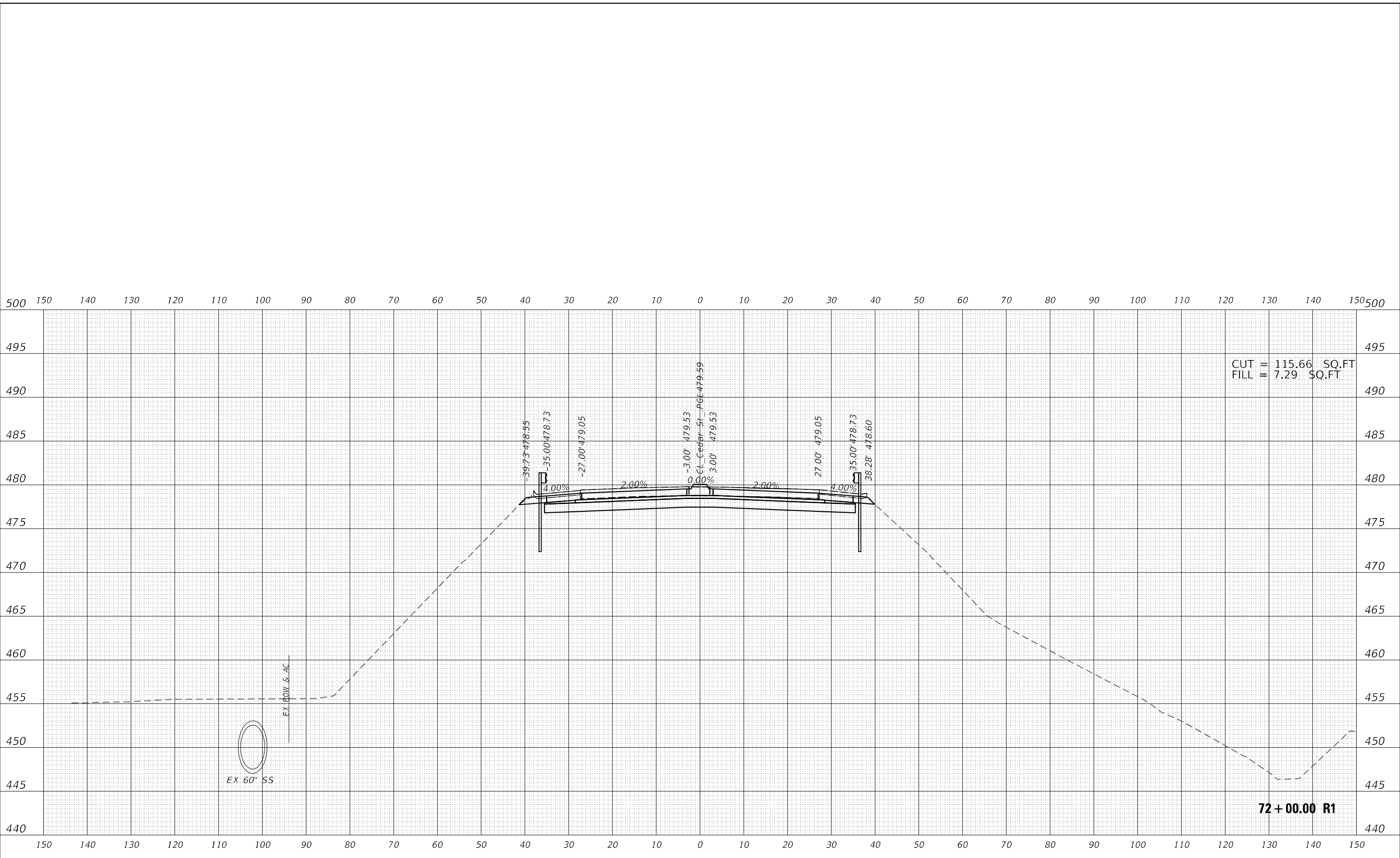
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	885
				CONTRACT NO. 68C55
		ILLINOIS	FED. AID PROJECT	

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

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
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	AREAS		
	CHECKED		

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 Cedar



CUT = 115.66 SQ.FT  
 FILL = 7.29 SQ.FT

EX 60" SS

EX ROW & AC

72 + 00.00 R1

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USER NAME =	DIamb
DESIGNED -	TOM
DRAWN -	TOM
CHECKED -	RBB
DATE -	06/08/2023
PLOT SCALE =	20,0000' / in.
PLOT DATE =	6/6/2023

DESIGNED -	TOM	REVISED -	
DRAWN -	TOM	REVISED -	
CHECKED -	RBB	REVISED -	
DATE -	06/08/2023	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

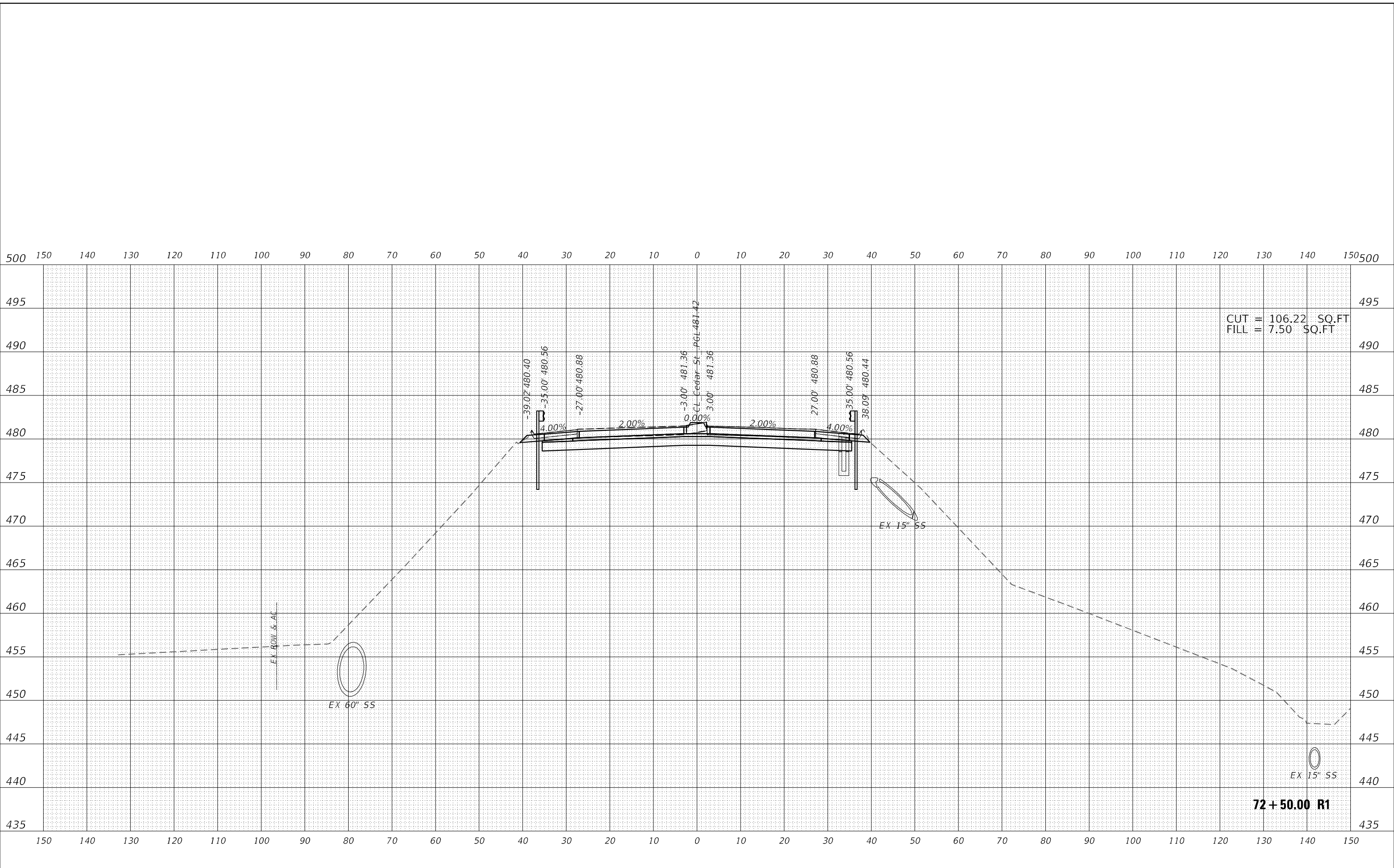
SCALE: 10:1      SHEET      OF      SHEETS      STA. 72+00.00 R1 TO STA. 72+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	886
				CONTRACT NO. 68C55
				ILLINOIS FED. AID PROJECT

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

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

MODEL: PCL\_CEDARST  
 FILE NAME: D:\m\p\bus-bus\ben\c\m\m\bus-bus\p\03\Documents\Cedar IL-29\Project\179740\_IDOT\_CedarStExt\_Plan15.0\_CADD\Design\68C55.dwg  
 Cedar



CUT = 106.22 SQ.FT  
 FILL = 7.50 SQ.FT

72 + 50.00 R1

**Michael Baker INTERNATIONAL**  
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 Phone: (312) 707 8770  
 MBI@MBAKERINTL.COM

USER NAME =	DLamb
DESIGNED -	TOM
DRAWN -	TOM
CHECKED -	RBB
DATE -	06/08/2023

REVISED -	
REVISED -	
REVISED -	
REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

SCALE: 10:1 SHEET OF SHEETS STA. 72+50.00 R1 TO STA. 72+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	887
				CONTRACT NO. 68C55
				ILLINOIS FED. AID PROJECT

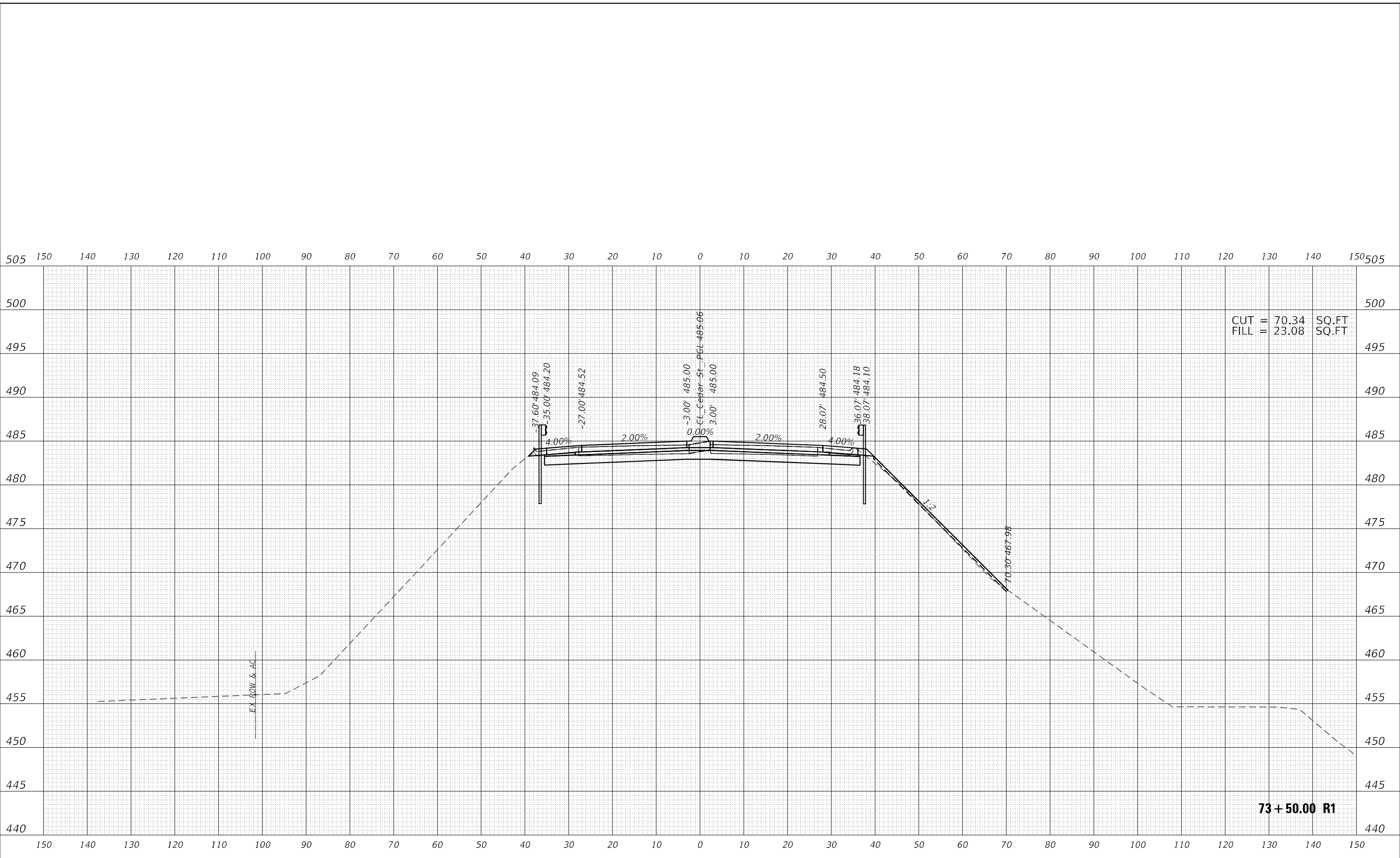




FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
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ORIGINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

MODEL: PCL\_CEDARST  
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 PROJECT: 179740 IDOT CedarStExt\_Plot15.0\_CADD\Design\DWG68C55.dwg



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USER NAME = DLamb  
 DESIGNED - TOM  
 DRAWN - TOM  
 CHECKED - RBB  
 DATE - 06/08/2023  
 PLOT SCALE = 20,0000' / in.  
 PLOT DATE = 6/6/2023

REVISIED -  
 REVISIED -  
 REVISIED -  
 REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

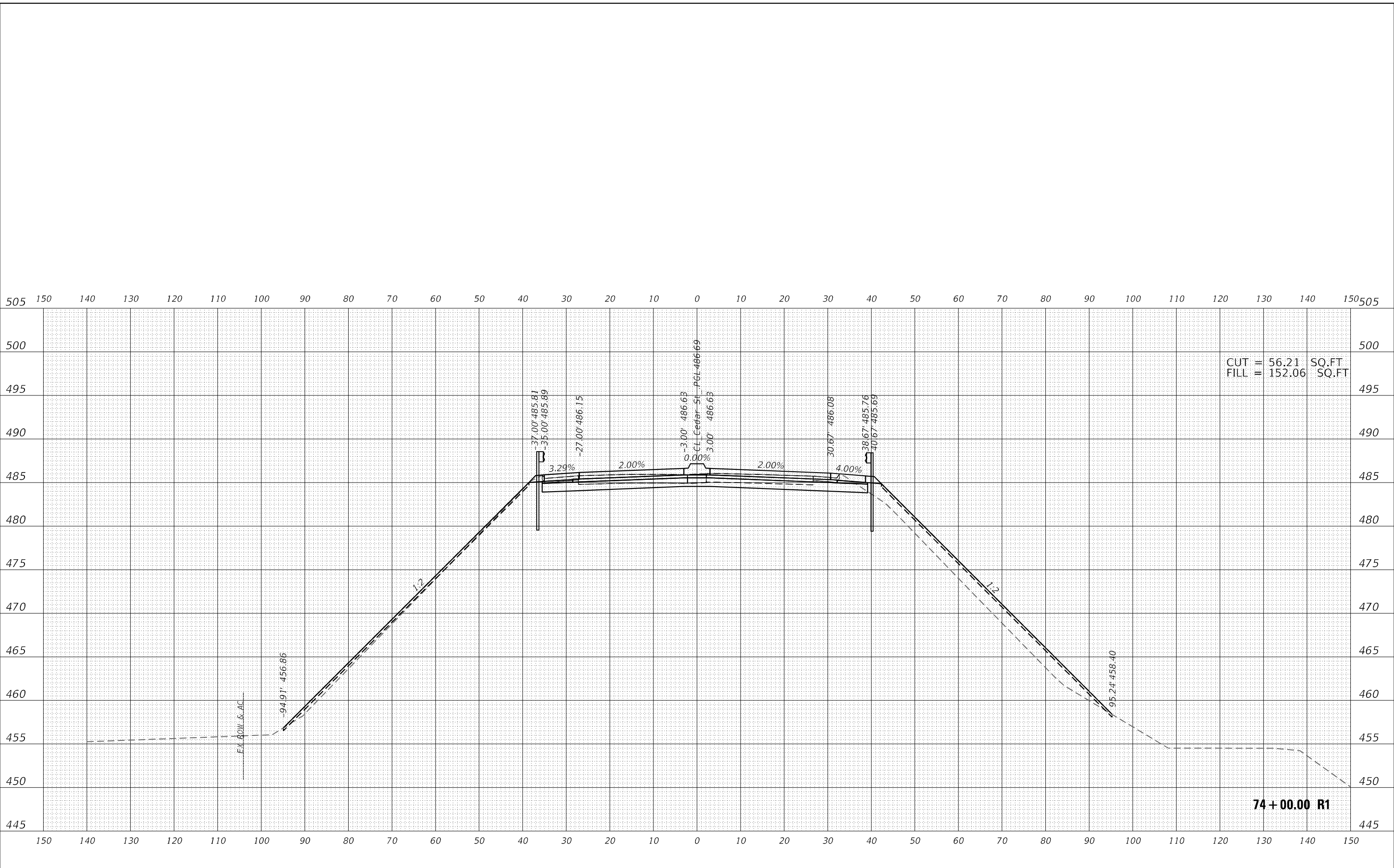
SCALE: 10:1 SHEET OF SHEETS STA. 73+50.00 R1 TO STA. 73+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	889
CONTRACT NO. 68C55				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: PCL\_CEDARST  
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 Cedar



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PLOT SCALE = 20,0000' / in.	DRAWN - TOM	REVISD -
PLOT DATE = 6/6/2023	CHECKED - RBB	REVISD -
	DATE - 06/08/2023	REVISD -

DESIGNED - TOM	REVISD -
DRAWN - TOM	REVISD -
CHECKED - RBB	REVISD -
DATE - 06/08/2023	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

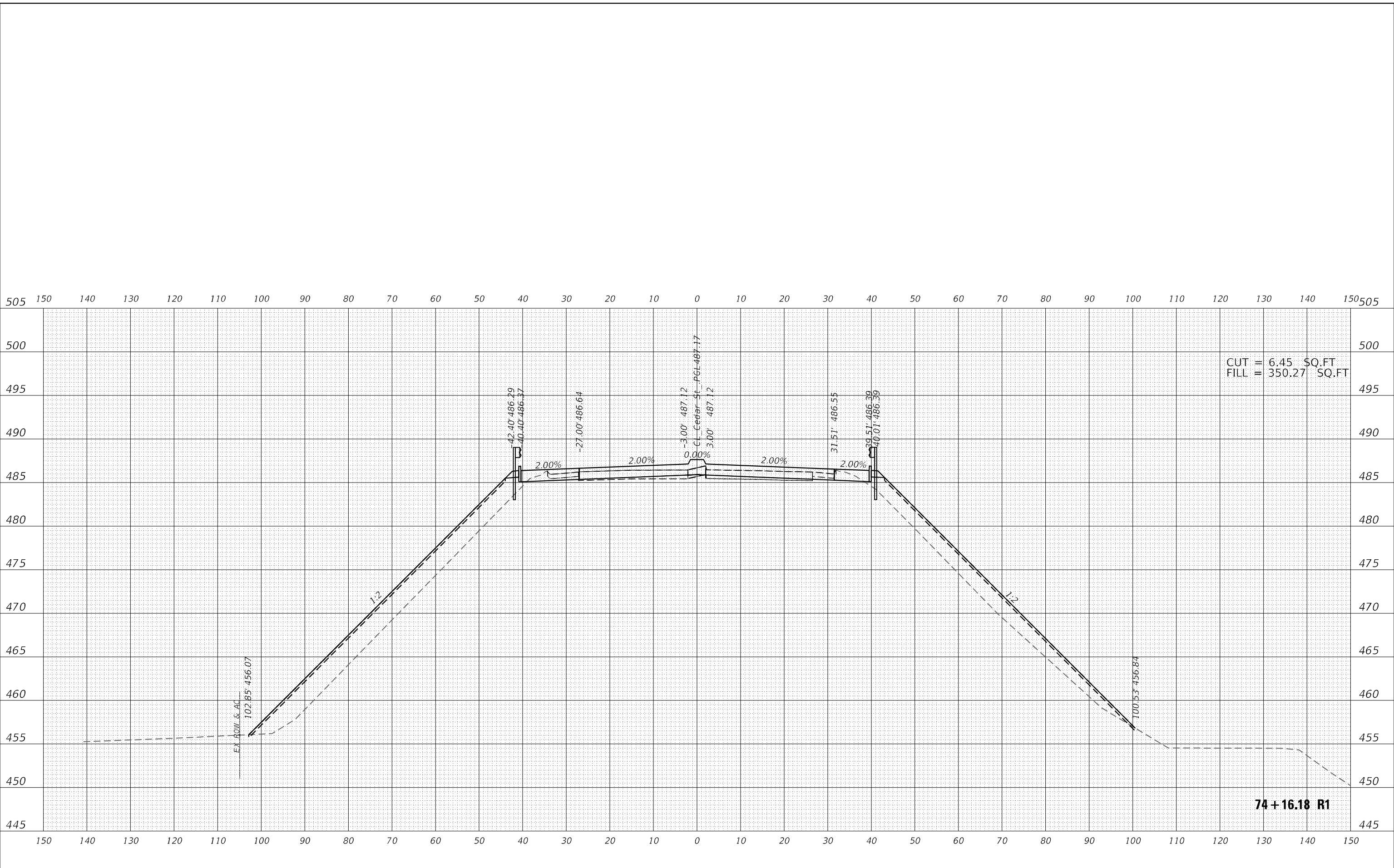
SCALE: 10:1 SHEET OF SHEETS STA. 74+00.00 R1 TO STA. 74+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	890
			CONTRACT NO. 68C55	
			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE

MODEL: PCL\_CEDARST  
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 Cedar



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USER NAME =	DLamb
DESIGNED -	TOM
DRAWN -	TOM
CHECKED -	RBB
DATE -	06/08/2023
PLOT SCALE =	20,0000' / in.
PLOT DATE =	6/6/2023

DESIGNED -	TOM	REVISED -	
DRAWN -	TOM	REVISED -	
CHECKED -	RBB	REVISED -	
DATE -	06/08/2023	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

SCALE: 10:1      SHEET      OF      SHEETS      STA. 74+16.18 R1 TO STA. 74+16.18 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	891
				CONTRACT NO. 68C55
		ILLINOIS	FED. AID PROJECT	



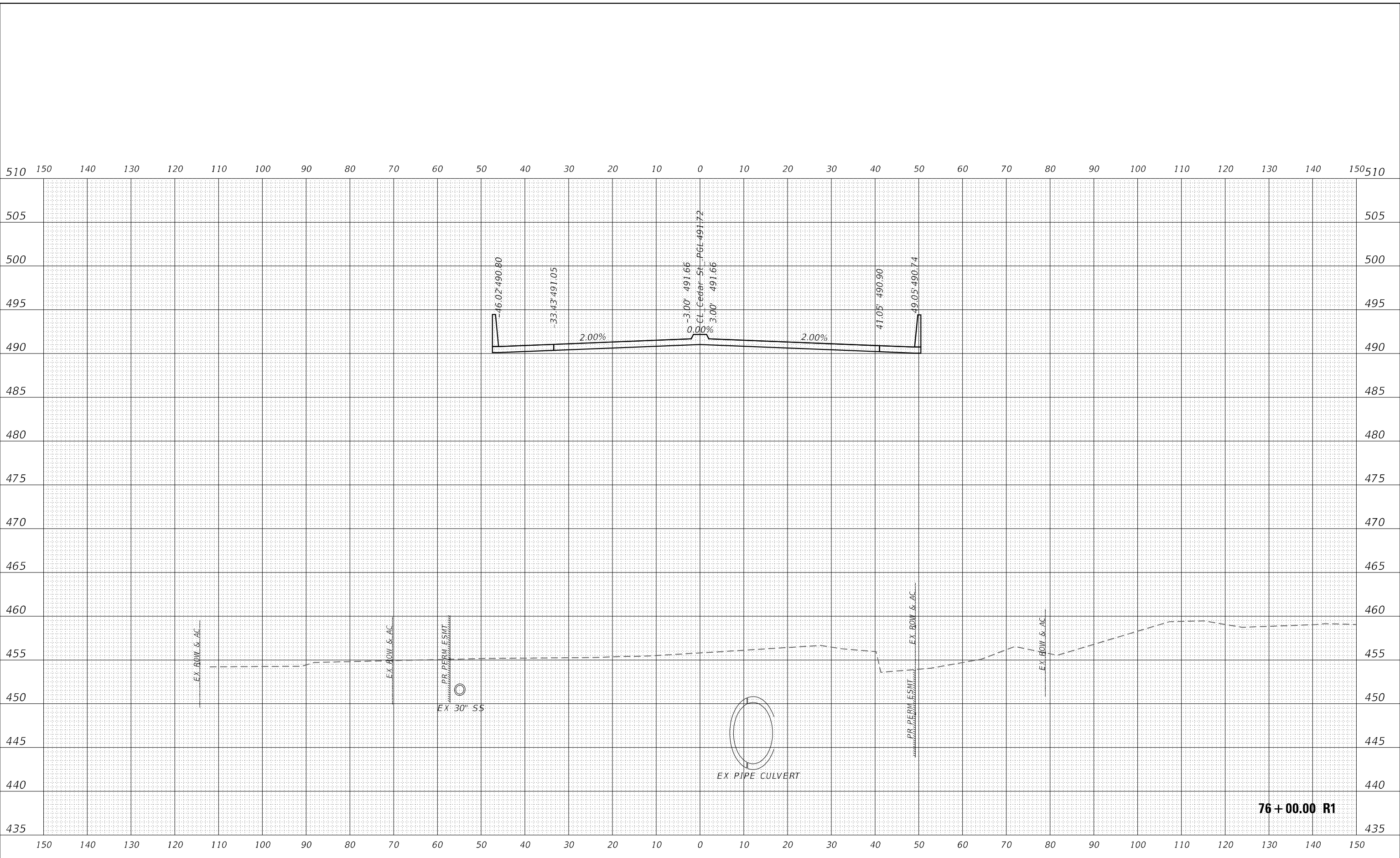




FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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

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 PROJECT: 179740\_IDOT\_CedarStEx\_Plan\15.0\_CADD\Design\DWG\68C55.dwg



76 + 00.00 R1

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USER NAME =	DLamb
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DRAWN -	TOM
CHECKED -	RBB
DATE -	06/08/2023

REVISED -	
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REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

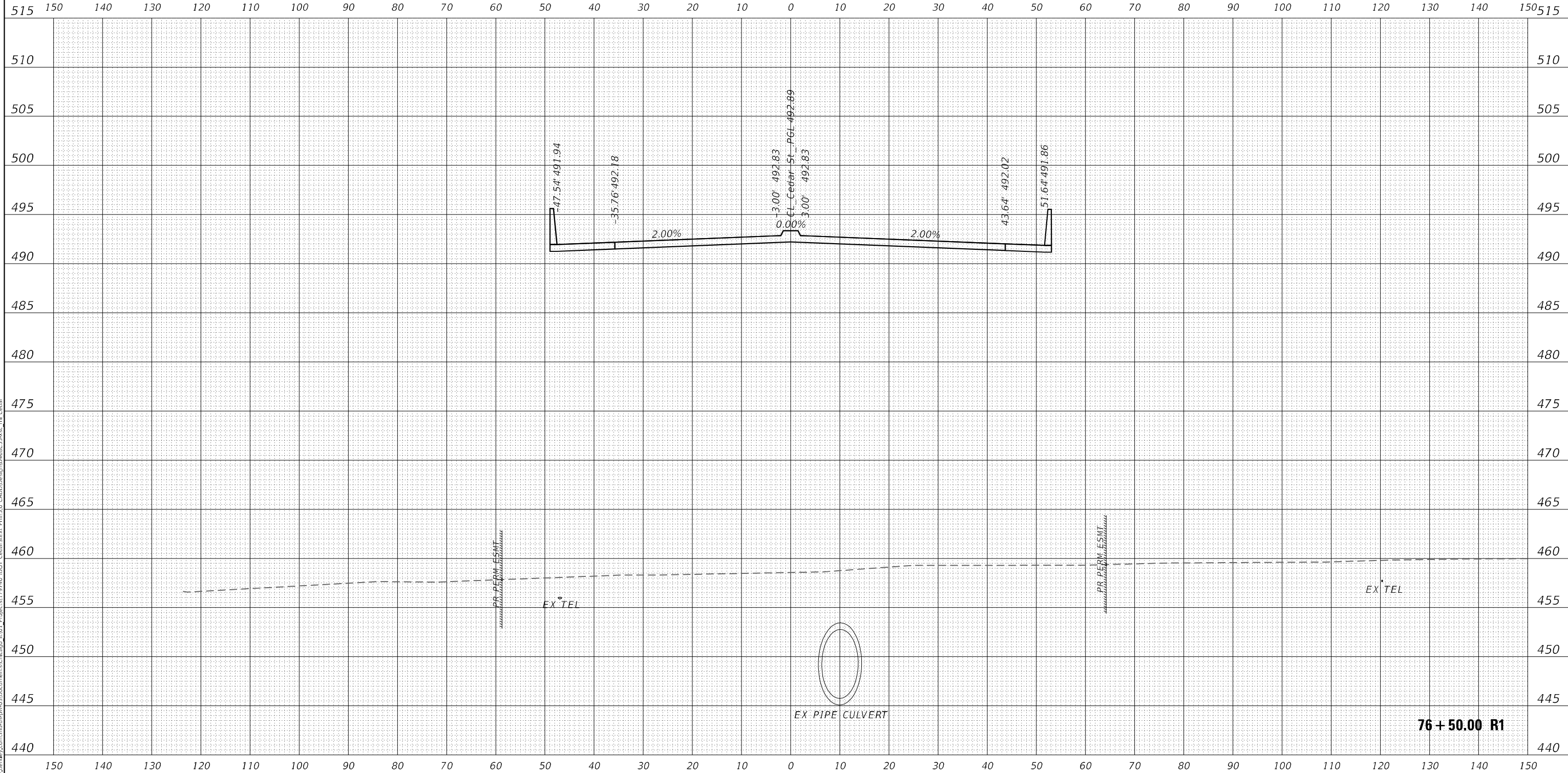
SCALE: 10:1 SHEET OF SHEETS STA. 76+00.00 R1 TO STA. 76+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	895
				CONTRACT NO. 68C55
				ILLINOIS FED. AID PROJECT

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

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

MODEL: PCL\_CEDARST  
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 Cedar



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USER NAME = DLamb	DESIGNED - TOM	REVISED -
	DRAWN - TOM	REVISED -
PLOT SCALE = 20,0000 * / in.	CHECKED - RBB	REVISED -
PLOT DATE = 6/6/2023	DATE - 06/08/2023	REVISED -

DESIGNED - TOM	REVISED -
DRAWN - TOM	REVISED -
CHECKED - RBB	REVISED -
DATE - 06/08/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

SCALE: 10:1      SHEET OF SHEETS      STA. 76+50.00 R1 TO STA. 76+50.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	896
				CONTRACT NO. 68C55
				ILLINOIS FED. AID PROJECT

**76 + 50.00 R1**

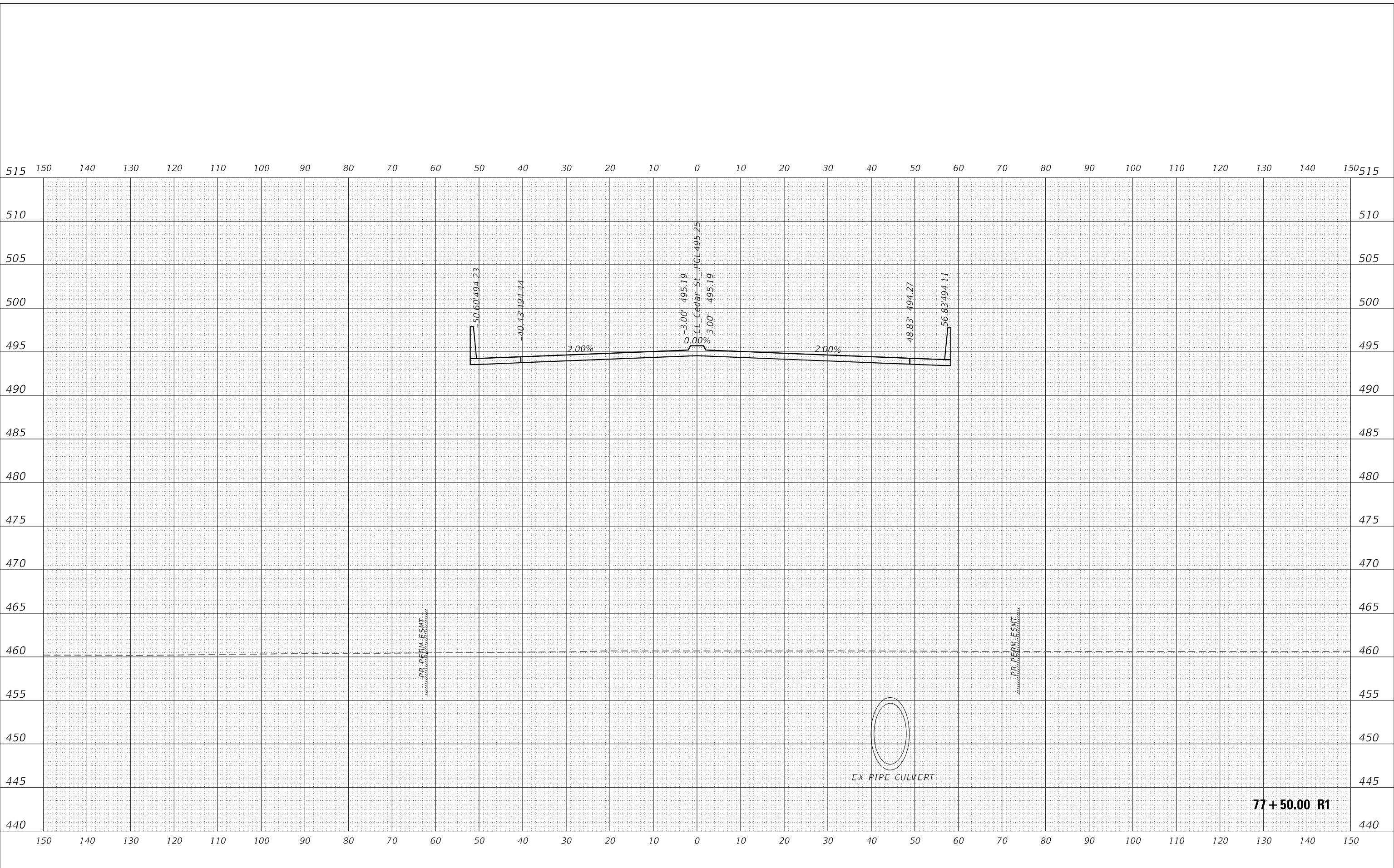




FINAL SURVEY NO.	SURVEYED	DATE
NOTE BOOK	PLOTTED	
AREAS CHECKED	TEMPLATE	
	AREAS CHECKED	

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

MODEL: PCL\_CEDARST  
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 PROJECT: 179740\_IDOT\_CedarStEx\_Plan\5.0\_CADD\Design\DWG\68C55.dwg



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USER NAME = DLamb	DESIGNED - TOM	REVISED -
PLOT SCALE = 20,0000' / in.	DRAWN - TOM	REVISED -
PLOT DATE = 6/6/2023	CHECKED - RBB	REVISED -
	DATE - 06/08/2023	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**

SCALE: 10:1      SHEET      OF      SHEETS      STA. 77+50.00 R1 TO STA. 77+50.00 R1

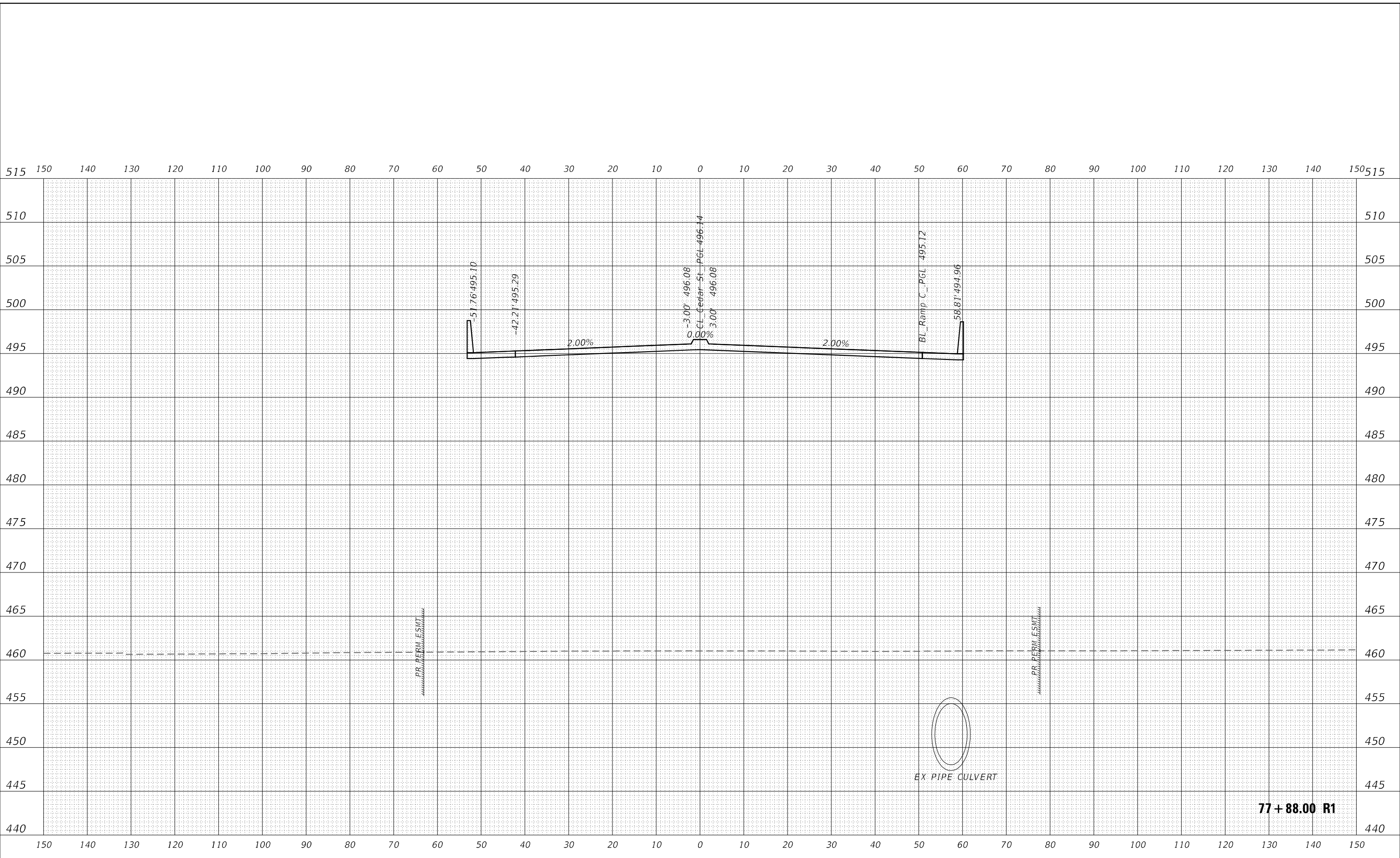
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	898
				CONTRACT NO. 68C55
				ILLINOIS FED. AID PROJECT

**77 + 50.00 R1**

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

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

MODEL: PCL\_CEDARST  
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 USER: DLamb



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USER NAME = DLamb  
 DESIGNED - TOM  
 DRAWN - TOM  
 CHECKED - RBB  
 DATE - 06/08/2023  
 PLOT SCALE = 20,000 \* / in.  
 PLOT DATE = 6/6/2023

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**  
 SCALE: 10:1  
 SHEET OF SHEETS  
 STA. 77+88.00 R1 TO STA. 77+88.00 R1

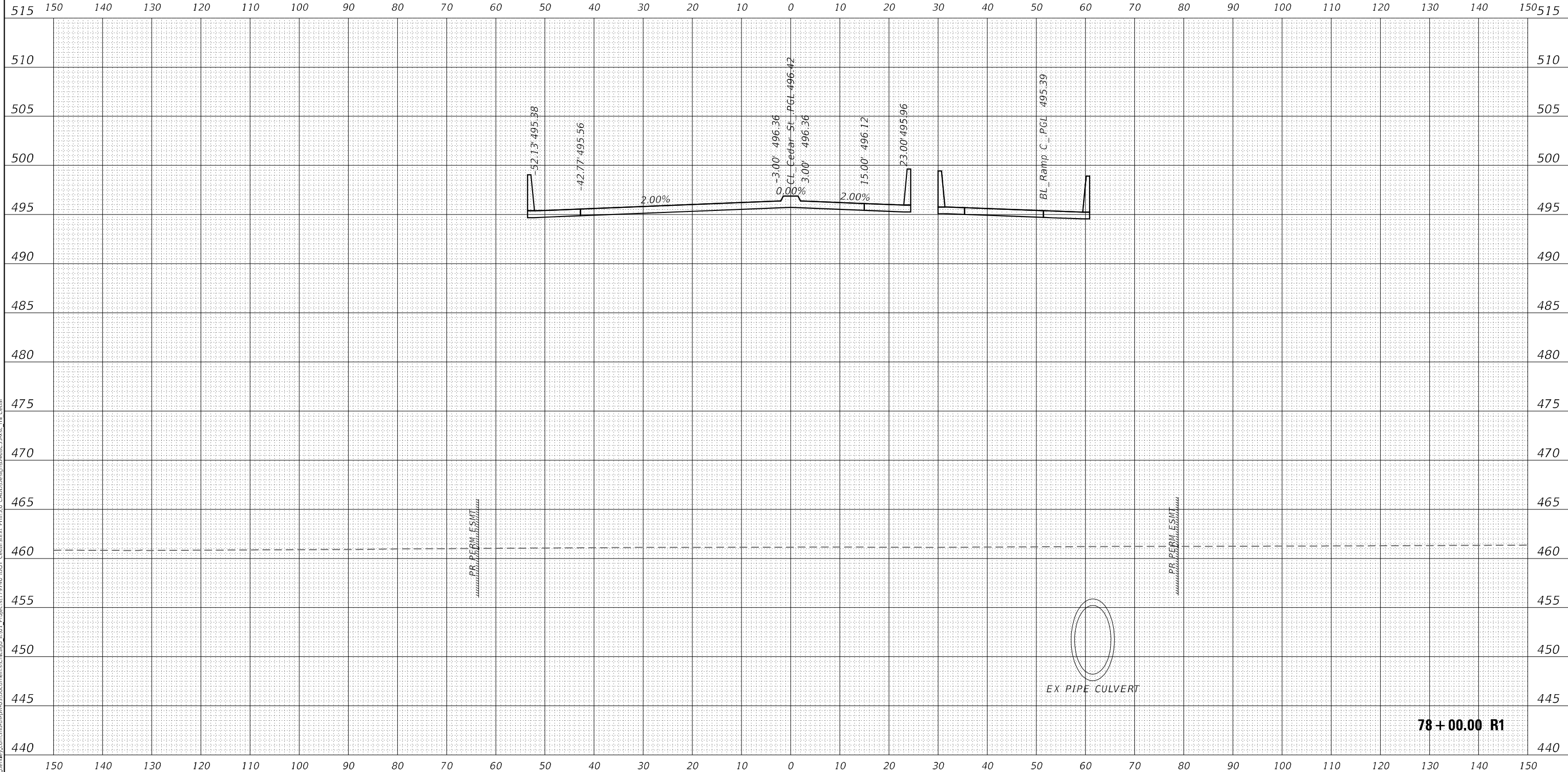
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	899
				CONTRACT NO. 68C55
		ILLINOIS	FED. AID PROJECT	

**77 + 88.00 R1**

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

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

MODEL: PCL\_CEDARST  
 FILE NAME: D:\w\p\bus-13\bus-13\Documents\Chicago\1101\Project\179740\_IDOT\_CedarStExt\_Plan15.0\_CADD\Design\68C55.dwg  
 USER: DLamb



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REVISED -  
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CEDAR ST. (IL-81L-116) OVER TZPR & IL-29  
 CROSS SECTIONS - CEDAR STREET**  
 SCALE: 10:1  
 SHEET OF SHEETS  
 STA. 78+00.00 R1 TO STA. 78+00.00 R1

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	13 (HVB, HB-3) BR-1;R	TAZEWELL	1173	900
			CONTRACT NO. 68C55	
			ILLINOIS FED. AID PROJECT	