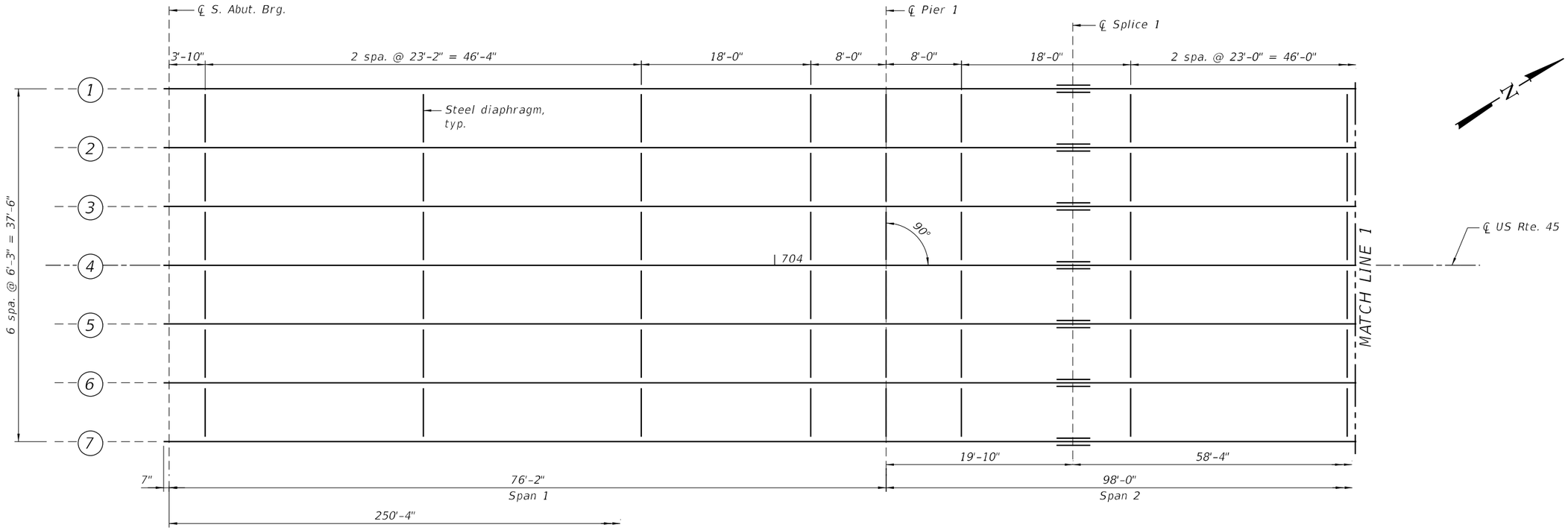
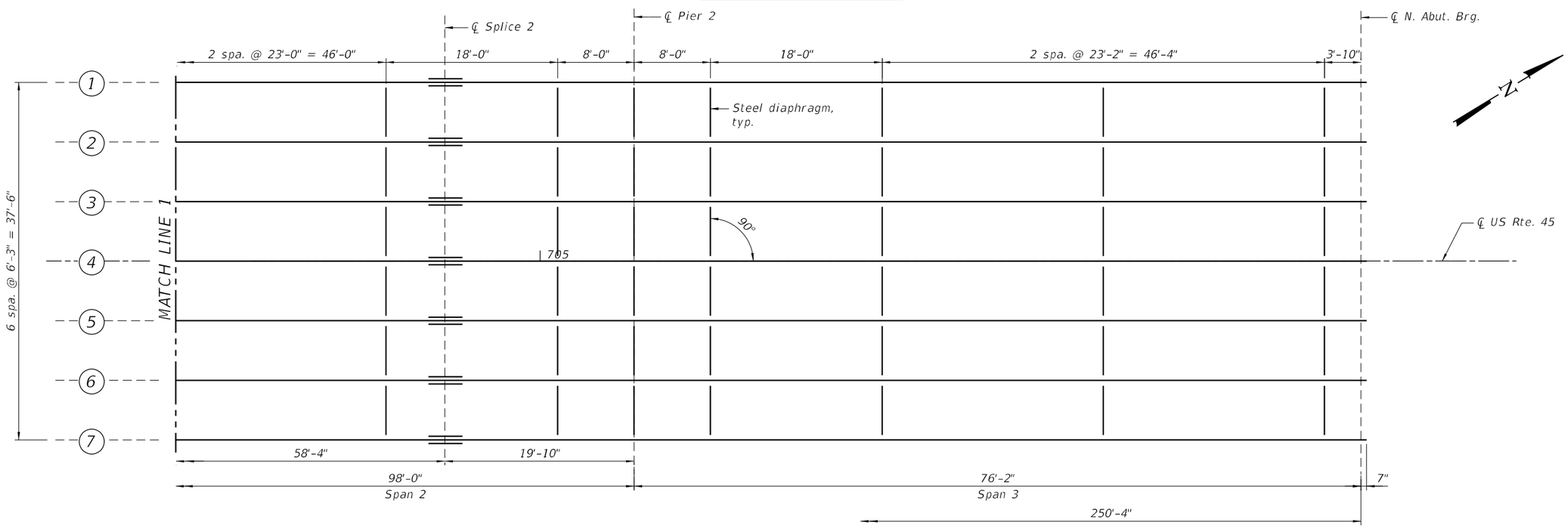


PARTIAL FRAMING PLAN



PARTIAL FRAMING PLAN

FILE NAME: I:\IDOT\1906610\WO_10\Draw\Structures\CADD_Sheets\SN 083-0074\0928716-dh-SN 083-0074_16 Framing Plan.dgn

CMT License No. 184-000613 ©Copyright CMT, Inc.	USER NAME = Derek Cochran	DESIGNED - DH	REVISED -
		DRAWN - DH	REVISED -
	PLOT SCALE = N/A	CHECKED - ATI	REVISED -
	PLOT DATE = 12/8/2022 (3:32:55 PM)	DATE - 05/19/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

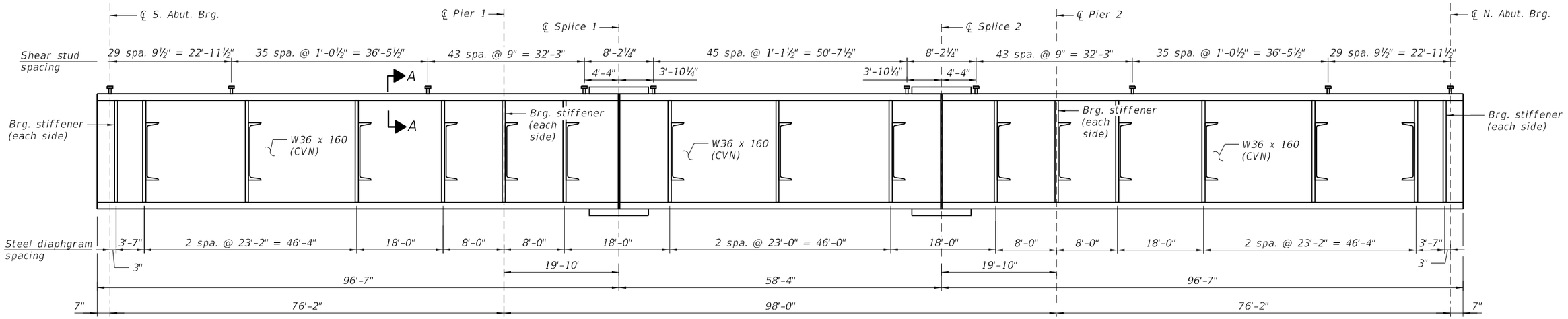
FRAMING PLAN
SN 083–0074

SCALE: | SHEET 16 OF 28 SHEETS | STA. TO STA.

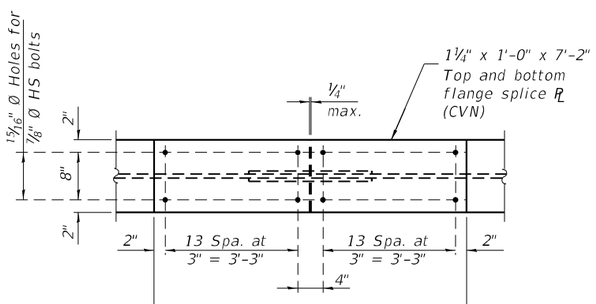
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	298-4	SALINE	150	101

CONTRACT NO. 78716

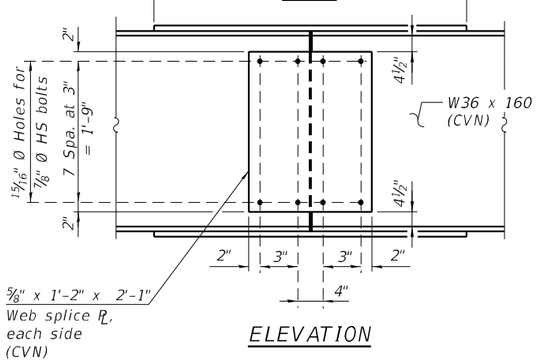
ILLINOIS | FED. AID PROJECT



BEAM ELEVATION



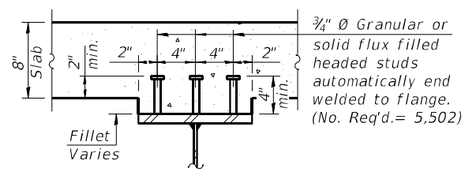
PLAN



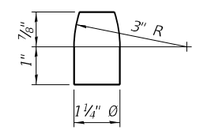
ELEVATION

SPLICE DETAIL

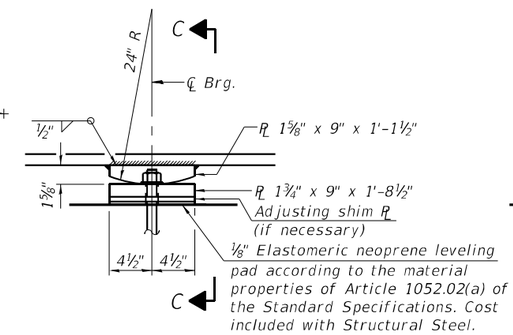
(14 Required)



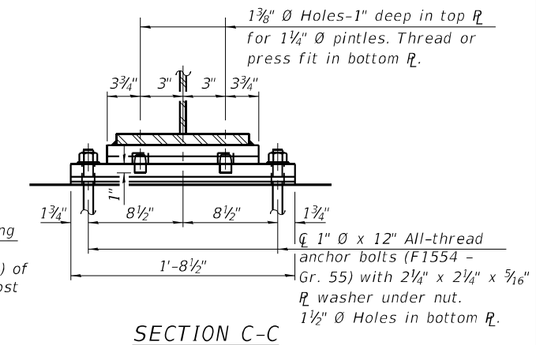
SECTION A-A



PINTLE

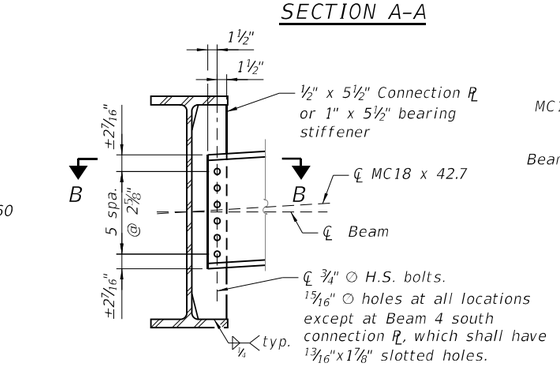


ELEVATION AT PIER



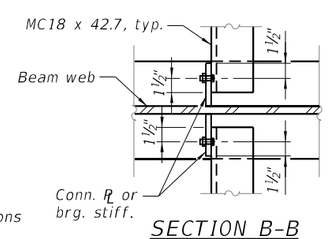
SECTION C-C

FIXED PIER BEARING

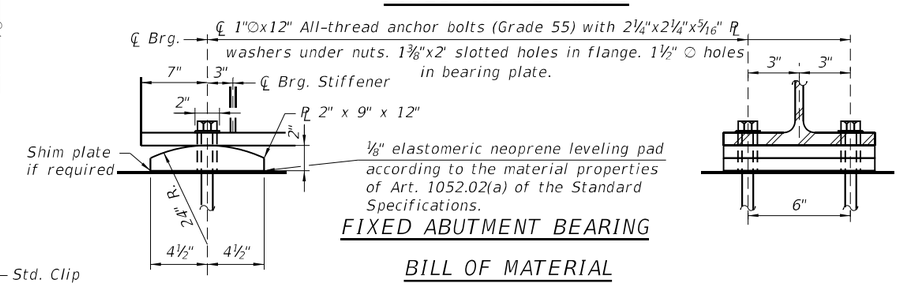


STEEL DIAPHGRAM

(Adjacent connection plate or bearing stiffener not shown)



SECTION B-B



FIXED ABUTMENT BEARING

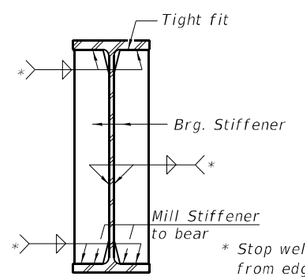
BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	56

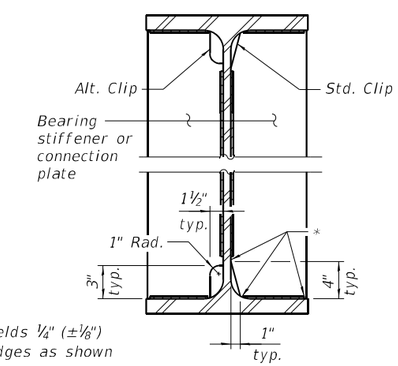
TOP OF BEAM ELEVATIONS

(For fabrication only)

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7
CL Brg. S. Abut.	370.04	370.17	370.26	370.36	370.26	370.17	370.04
CL Pier 1	370.36	370.48	370.59	370.68	370.59	370.48	370.36
CL Splice 1	370.45	370.57	370.67	370.76	370.67	370.57	370.45
CL Splice 2	370.45	370.58	370.67	370.77	370.67	370.58	370.45
CL Pier 2	370.37	370.50	370.59	370.69	370.59	370.50	370.37
CL Brg. N. Abut.	370.06	370.19	370.28	370.38	370.28	370.19	370.06



SECTION AT BEARING STIFFENER



WELD LIMITS AND CLIP DETAIL

Notes:

1. All steel except bearing plates including beam, bearing stiffeners, diaphgragms, and splice places shall be AASHTO M270 Grade 50W.
2. Bearing plates shall be AASHTO M270 Grade 50.
3. "CVN" denotes Charpy V-Notch impact enegry requirements, Zone 2.
4. All splice bolts shall be ⅞" ASTM A325, and bolt holes shall be ¹⁵⁄₁₆" ∅.
5. Two hardened washers required for each set of oversized holes.
6. Alternate channels of equal depth and larger weight are permitted to facilitate material acquisition. Alternate channels, if utilized, shall be provided at no addtional cost to the Department.
7. All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.
8. Two ⅛" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

INTERIOR GIRDER MOMENT TABLE				
		0.4 Sp. 1 or 0.6 Sp. 3	Pier	0.5 Sp. 2
Is	(in^4)	9760	9760	9760
Ic(n)	(in^4)	25796	25796	25796
Ic(3n)	(in^4)	18853	18853	18853
Ic(cr)	(in^4)	--	12698	--
Ss	(in^3)	542	542	542
Sc(n)	(in^3)	795	--	795
Sc(3n)	(in^3)	717	--	717
Sc(cr)	(in^3)	--	615	--
DC1	(k/')	0.82	0.82	0.82
MDC1	('k)	319	628	355
DC2	(k/')	0.15	0.15	0.15
MDC2	('k)	58	116	64
DW	(k/')	0.29	0.29	0.29
MDW	('k)	110	222	122
LLDF		0.56	0.54	0.53
M_{LL+IM}	('k)	816	878	817
Mu (Strength I)	('k)	2064	2800	2137
Ø f Mn	('k)	4019	3150	4001
fs DC1	(ksi)	7.06	13.90	7.86
fs DC2	(ksi)	0.97	2.26	1.07
fs DW	(ksi)	1.84	4.33	2.04
fs (LL+IM)	(ksi)	12.31	17.14	12.33
fs (Service II)	(ksi)	25.88	42.78	27.00
0.95Rh Fyf	(ksi)	47.50	47.50	47.50
fs (Total)(Strength I)	(ksi)	34.35	--	35.80
Ø f Fn	(ksi)	--	--	--
Vf	(k)	25	28	16

GIRDER REACTION TABLE					
		Abutment		Pier	
		Interior	Exterior	Interior	Exterior
LLDF		0.732	0.531	0.732	0.531
OCF		--	1.00	--	--
RDC1	(k)	23.7	22.2	79.5	74.4
RDC2	(k)	4.2	4.2	14.6	14.6
RDW	(k)	8.0	8.0	27.8	27.8
R_{LL}	(k)	57.6	49.7	102.5	88.4
R_{IM}	(k)	13.9	12.01	20.4	17.56
RTotal	(k)	107.4	96.0	244.8	222.8

Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total-Strength I, and Service II) due to non-composite dead loads ($in.^4$ and $in.^3$).

Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads ($in.^4$ and $in.^3$).

Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

Ic(cr), Sc(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing fs (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads ($in.^4$ and $in.^3$).

DC1: Un-factored non-composite dead load (kips/ft.).

MDC1: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{LL+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

Mu (Strength I): Factored design moment (kip-ft.).
1.25 (MDC1 + MDC2) + 1.5 MDW + 1.75 M_{LL+IM}

Ø f Mn: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft).

fs DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
MDC1/ Snc

fs DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
MDC2/ Sc(3n) or MDC2/ Sc(cr) as applicable.

fs DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
MDW/ Sc(3n) or MDW/ Sc(cr) as applicable.

fs (LL+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
M_{LL+IM} / Sc(n) or M_{LL+IM} / Sc(cr) as applicable.

fs (Service II): Sum of stresses as computed below (ksi).
fsDC1 + fsDC2 + fsDW + 1.3 fs($_{LL+IM}$)

0.95RhFyf: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

fs (Total) (Strength I): Sum of stresses as computed below on non-compact section (ksi).
1.25 (fsDC1 + fsDC2) + 1.5 fsDW + 1.75 fs($_{LL+IM}$)

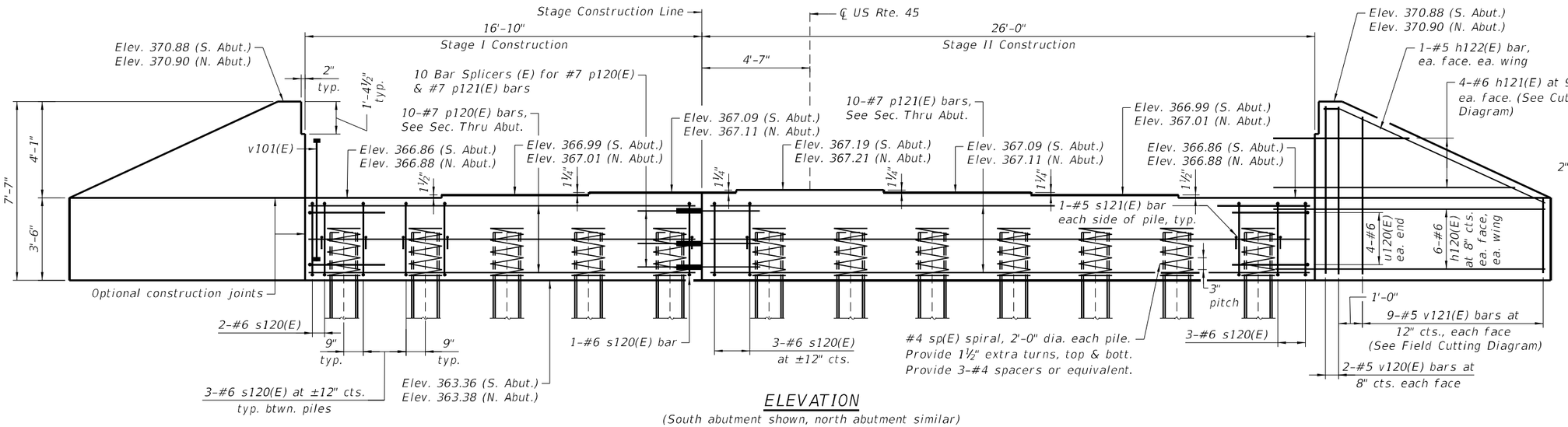
Ø f Fn: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

Vf: Maximum factored shear range in span computed according to Article 6.10.10.

LLDF: Live load distribution factor.

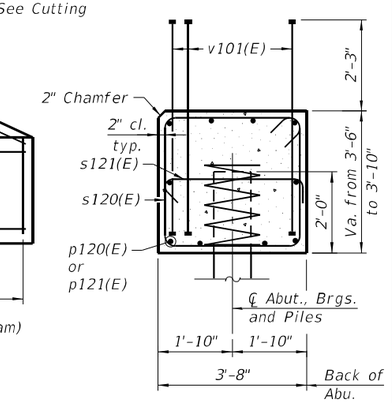
OCF: Obtuse correction factor.

Note:
M_{LL} and R_{LL} include the effects of centrifugal force and superelevation.

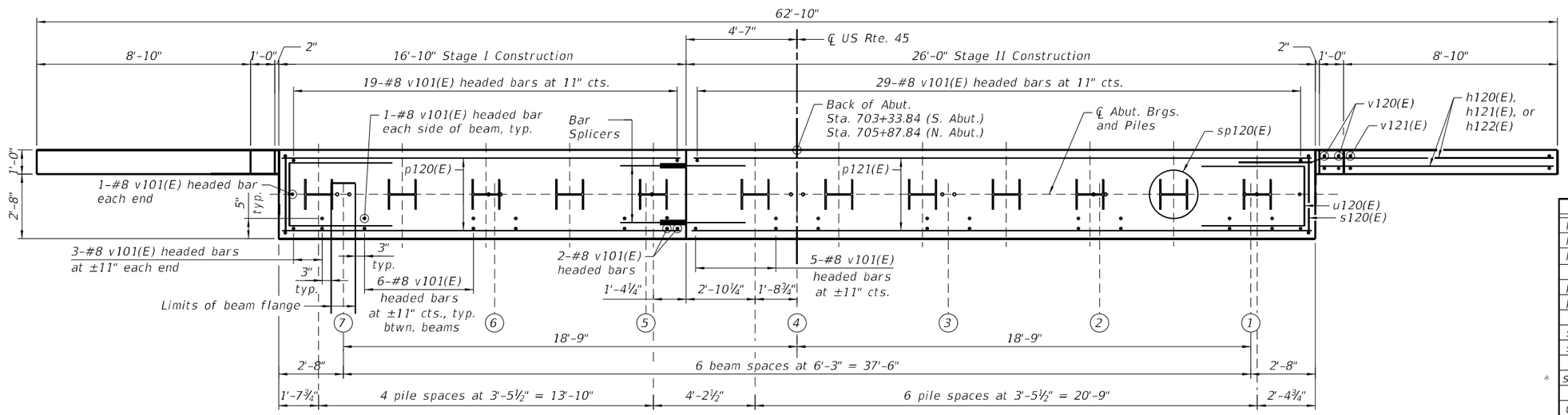


ELEVATION

(South abutment shown, north abutment similar)



SEC. THRU ABUT.



PLAN

(South abutment shown, north abutment similar)

BILL OF MATERIAL FOR TWO ABUTMENTS

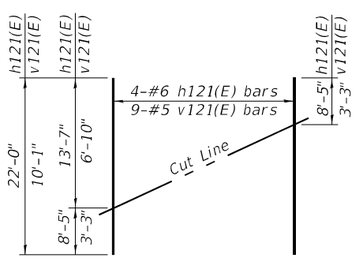
Bar	No.	Size	Length	Shape
h120(E)	48	#6	14'-2"	
h121(E)	16	#6	22'-0"	
h122(E)	8	#5	10'-5"	
p120(E)	20	#7	16'-6"	
p121(E)	20	#7	25'-8"	
s120(E)	78	#6	14'-4"	
s121(E)	48	#5	4'-4"	
* sp120(E)	24	#4	2'-0"	
u120(E)	16	#6	11'-10"	
v101(E)	214	#8	5'-0"	
v120(E)	16	#5	7'-3"	
v121(E)	36	#5	10'-1"	
Structure Excavation			Cu. Yd.	204
Concrete Structures			Cu. Yd.	51.0
Reinforcement Bars, Epoxy Coated			Pound	10,010
Furnishing Steel Piles HP14x89			Foot	2,200
Driving Piles			Foot	2,200
Test Pile Steel HP14x89			Each	2
Granular Backfill for Structures			Cu. Yd.	118
Geocomposite Wall Drain			Sq. Yd.	68
Pipe Underdrains for Structures 4"			Foot	106

* Length is height of spiral

PILE DATA

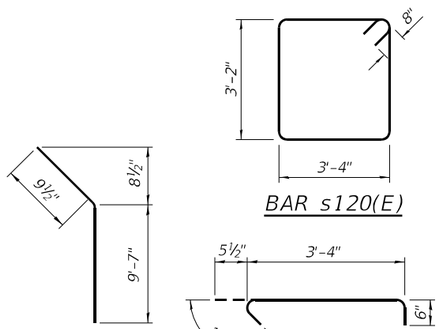
Type: HP14x89
Nominal Required Bearing: 705 kips
Factored Resistance Available: 388 kips
Est. Length: 100 ft.
No. Production Piles: 22
No. Test Piles: 2

Notes:
1. Pour steps monolithically with cap.
2. Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
3. For details of piles see sheet 21 of 28.
4. For details of splicers see sheet 22 of 28.



FIELD CUTTING DIAGRAM

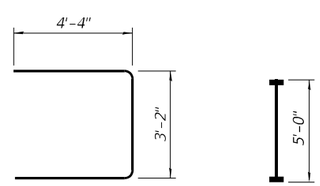
Order h120(E) and v120(E) full length. Cut as shown and use remainder of bars in opposite wing.



BAR s120(E)

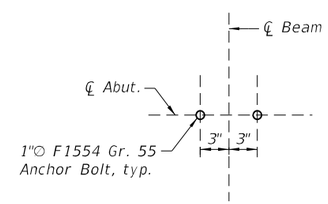
BAR h122(E)

BAR s121(E)



BAR u120(E)

BAR v101(E)



ANCHOR BOLT INSTALLATION DETAIL

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USER NAME = Derek Cochran	DESIGNED - DH	REVISED -	
	DRAWN - DH	REVISED -	
PLOT SCALE = N/A	CHECKED - ATI	REVISED -	
PLOT DATE = 12/8/2022 (3:33:01 PM)	DATE - 05/19/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH AND SOUTH ABUTMENT
SN 083-0074

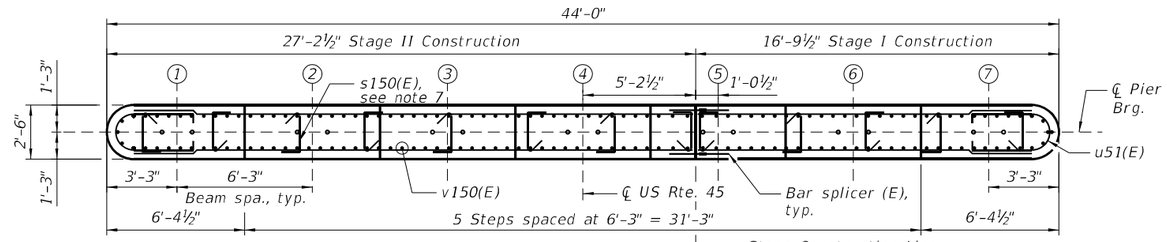
SCALE: | SHEET 19 OF 28 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	298-4	SALINE	150	104
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	

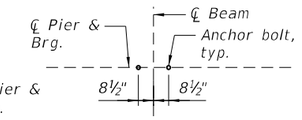
FILE NAME: L:\DOT\1906610\WO 10\Draw\Structures\CADD Sheets\SN 083-0074\D9787716-sht-SN 083-0074 19 North and South Abutment.dgn

(1) 14 sets - 1-#5 u150(E) bars tied to 2-#5 h150(E) bars spaced at 3", with #4 s150(E) bars, see note 7
(2) 30 sets - 1-#5 u151(E) bars tied to 2-#5 h151(E) bars spaced at 6", with #4 s150(E) bars, see note 7
(3) 14 sets - 1-#5 u150(E) bars tied to 2-#5 h152(E) bars spaced at 3", with #4 s150(E) bars, see note 7
(4) 30 sets - 1-#5 u151(E) bars tied to 2-#5 h153(E) bars spaced at 6", with #4 s150(E) bars, see note 7

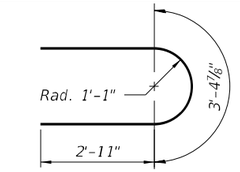
See Elevation view for horizontal spacing of s150(E) bars.



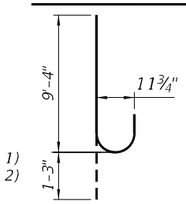
TOP PLAN



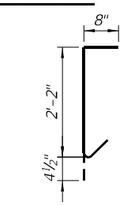
ANCHOR BOLT LAYOUT



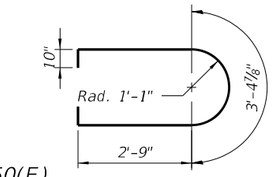
BARS u150(E)



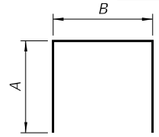
BAR n150(E)



BAR s150(E)

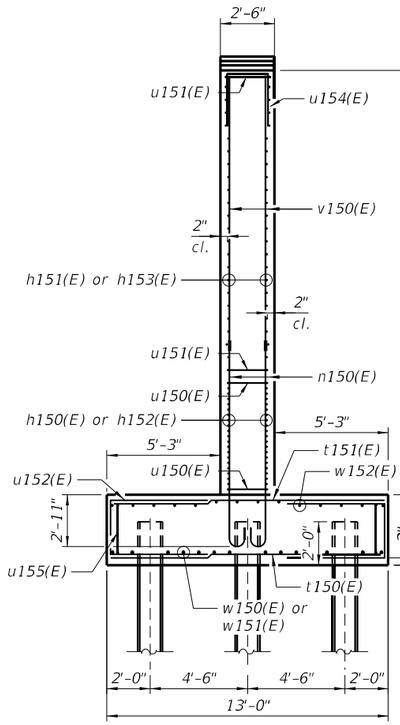


BARS u151(E)

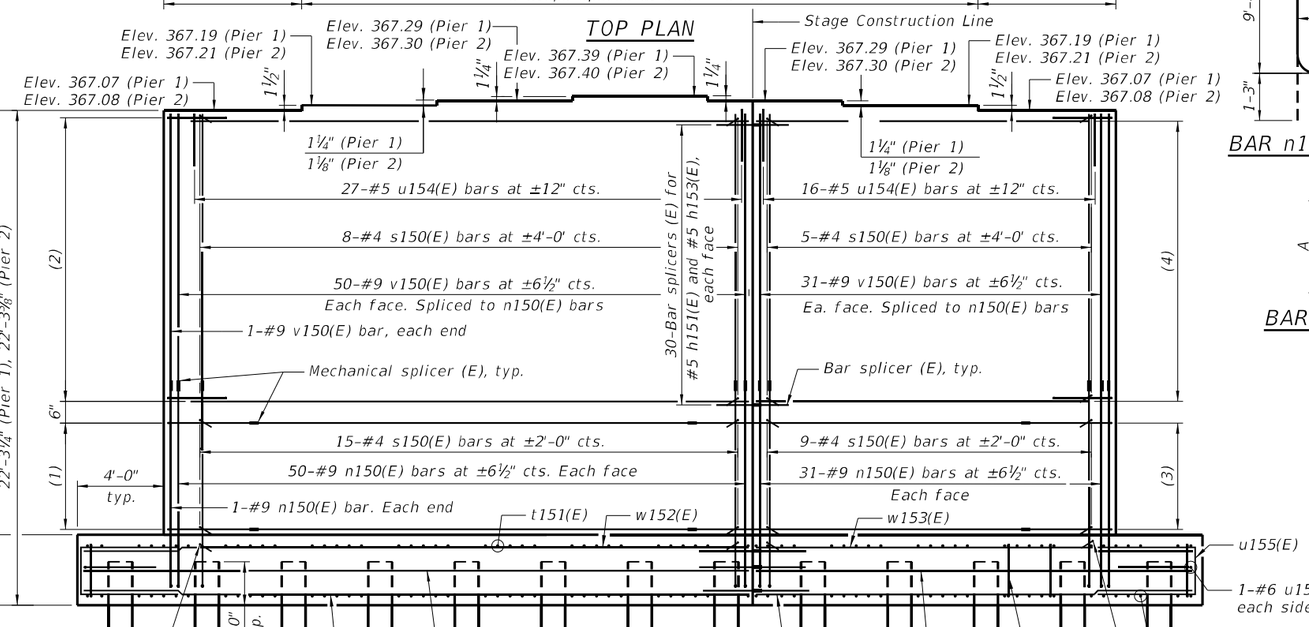


Bar	A	B
u152(E)	3'-4"	2'-10"
u153(E)	3'-4"	12'-5"
u154(E)	2'-5"	2'-1"
u155(E)	3'-4"	2'-8"

BAR u152(E), u153(E), u154(E) & u155(E)



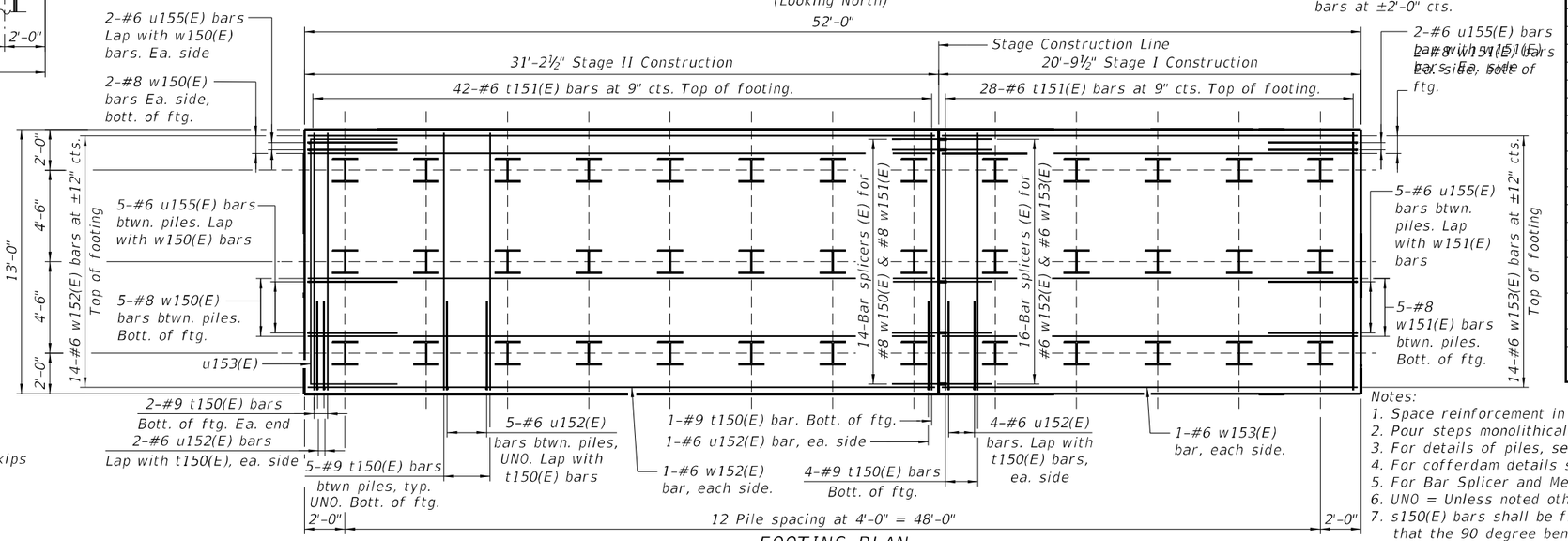
END VIEW



ELEVATION
(Looking North)

BILL OF MATERIAL FOR TWO PIERS

Bar	No.	Size	Length	Shape
h150(E)	56	#5	20'-1"	
h151(E)	120	#5	25'-10"	
h152(E)	56	#5	15'-7"	
h153(E)	120	#5	15'-5"	
n150(E)	328	#9	10'-7"	
s150(E)	1500	#4	3'-3"	
t150(E)	128	#9	12'-8"	
t151(E)	140	#6	12'-8"	
u150(E)	56	#5	9'-3"	
u151(E)	120	#5	10'-7"	
u152(E)	256	#6	9'-6"	
u153(E)	4	#6	19'-1"	
u154(E)	86	#5	6'-11"	
u155(E)	56	#6	9'-4"	
v150(E)	328	#9	12'-6"	
w150(E)	28	#8	30'-10"	
w151(E)	28	#8	20'-5"	
w152(E)	32	#6	30'-10"	
w153(E)	32	#6	20'-5"	
Cofferdam Excavation		Cu. Yd.	317	
Concrete Structures		Cu. Yd.	317.4	
Reinforcement Bars, Epoxy Coated		Pound	57,840	
Furnishing Steel Piles HP14x89		Foot	6,156	
Driving Piles		Foot	6,156	
Test Pile Steel HP14x89		Each	2	

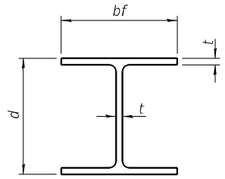


FOOTING PLAN

PILE DATA

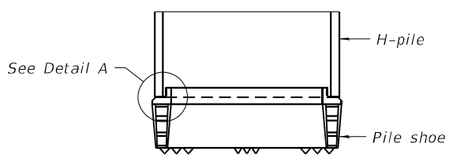
Type: HP14X89
Nominal Required Bearing: 705 kips
Factored Resistance Available: 388 kips
Est. Length: 81 ft.
No. Production Piles: 76
No. Test Piles: 2

Notes:
1. Space reinforcement in cap to miss anchor bolts.
2. Pour steps monolithically with cap.
3. For details of piles, see sheet 21 of 28.
4. For cofferdam details see sheet 5 of 28.
5. For Bar Splicer and Mechanical Splicer details see sheet 22 of 28.
6. UNO = Unless noted otherwise.
7. s150(E) bars shall be flipped at every other vertical spacing such that the 90 degree bent leg is at the same location along the face of the wall.

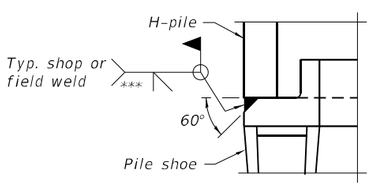


STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14¼"	14⅞"	13/16"	30"
x102	14"	14¾"	11/16"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅝"	14⅝"	½"	30"
HP 12x84	12¼"	12¼"	11/16"	24"
x74	12⅛"	12¼"	⅝"	24"
x63	12"	12⅛"	½"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	10¼"	9/16"	24"
x42	9¾"	10⅛"	7/16"	24"
HP 8x36	8"	8⅛"	7/16"	18"



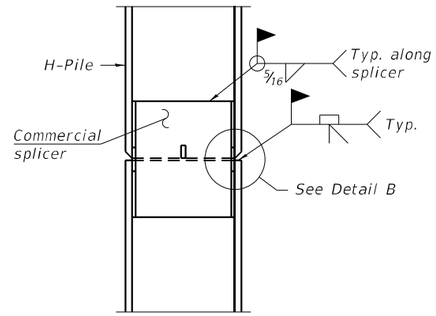
ELEVATION



DETAIL A

SHOE ATTACHMENT

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



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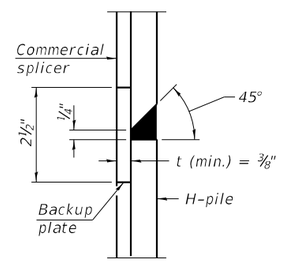
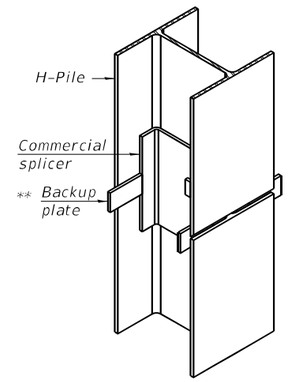
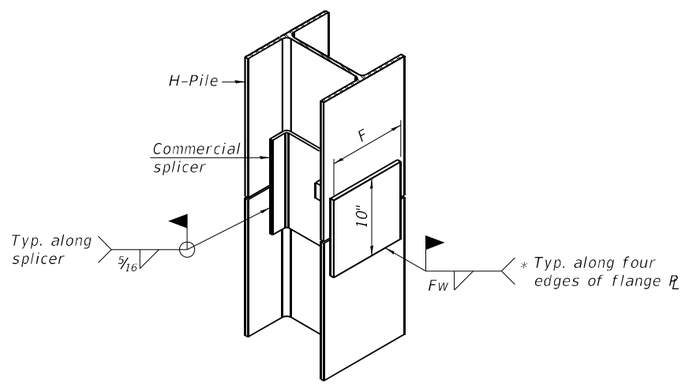


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



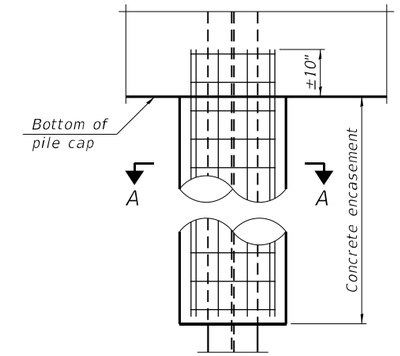
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

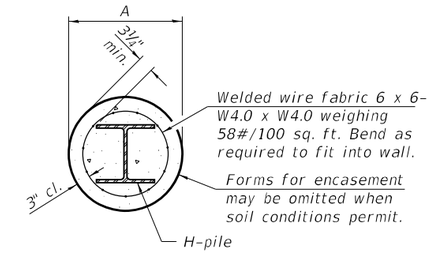
* Interrupt welds ¼" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).

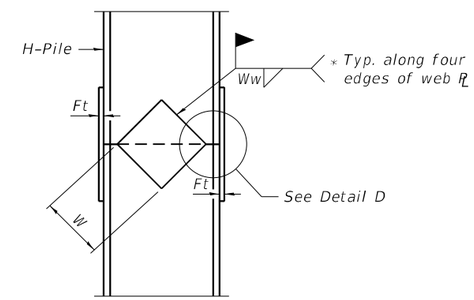


ELEVATION



SECTION A-A

INDIVIDUAL PILE
CONCRETE ENCASEMENT
(when specified)



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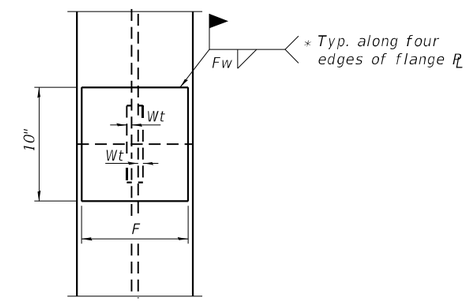
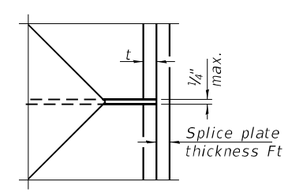


END VIEW



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12½"	1"	⅞"	7¾"	⅝"	½"
x102	12½"	⅞"	¾"	7¾"	⅝"	½"
x89	12½"	¾"	11/16"	7¾"	⅝"	½"
x73	12½"	⅝"	9/16"	7¾"	⅝"	½"
HP 12x84	10"	⅞"	11/16"	6½"	⅝"	½"
x74	10"	⅞"	11/16"	6½"	⅝"	½"
x63	10"	⅝"	½"	6½"	½"	⅜"
x53	10"	⅜"	½"	6½"	½"	⅜"
HP 10x57	8"	¾"	9/16"	5¼"	½"	⅜"
x42	8"	⅝"	9/16"	5¼"	½"	⅜"
HP 8x36	7"	⅝"	7/16"	4¼"	½"	⅜"

WELDED PLATE FIELD SPLICE

F-HP 1-1-2020

FILE NAME: I:\IDOT\1906610\WO_10\Draw\Structures\CADD_Sheets\SN 083-0074\D9787-1bsh-SN 083-0074_21_Pile Details.dgn

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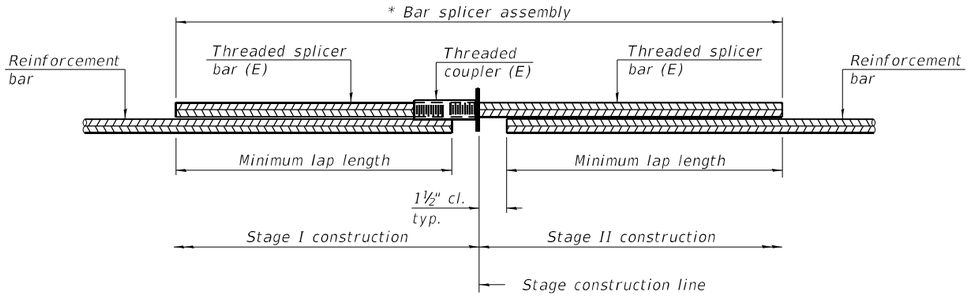
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DETAILS
SN 083-0074

SCALE: | SHEET 21 OF 28 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-4	SALINE	150	106
		CONTRACT NO. 78716		
		ILLINOIS FED. AID PROJECT		



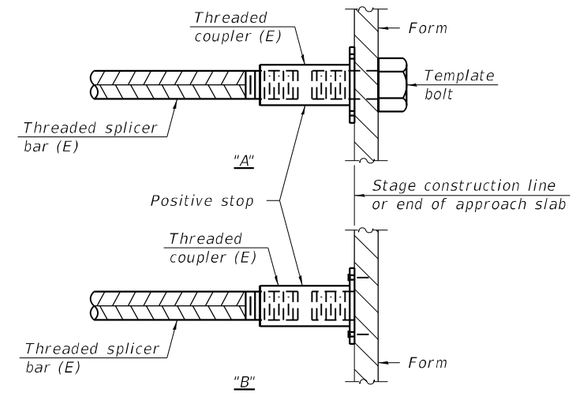
STANDARD BAR SPLICER ASSEMBLY PLAN

(All components shall be provided from one supplier)

Threaded splicer bar length = min. lap length + 1½" + thread length

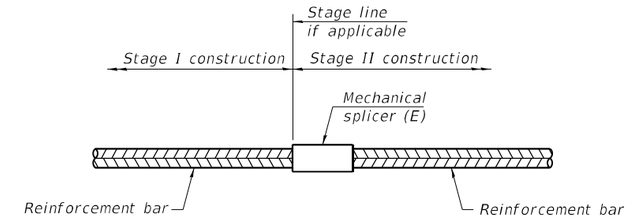
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Bridge Deck	#5	756	3'-6"
Diaphragms	#6	14	4'-0"
Approach Slabs	#5	172	3'-6"
Approach Slabs	#8	120	5'-4"
Abutments	#7	20	5'-0"
Piers - wall	#5	120	3'-9"
Piers - t/footing	#6	32	4'-4"
Piers - b/footing	#8	28	5'-1"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required
Piers - wall	#5	168
Piers - wall	#9	328

Notes:
Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 1-1-2020

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY DETAILS
SN 083-0074

SCALE: SHEET 22 OF 28 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-4	SALINE	150	107
		CONTRACT NO. 78716		
	ILLINOIS	FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

Sheet 1 of 3

FAP 332 (US 45) Over Overflow of NF Saline River

Route: FAP 332 (US 45) Structure Number: 083-0002 Date: 5/24/2010

Section 29-B-Y Bored By: R Moberly

County: Saline Location: 0.5 mile North of Texas City Checked By: R Graeff

Boring No 1-S
Station ~~723+50~~ 706+09
Offset ~~29' Lt CL~~ 8' Rt CL
Ground Surface 370.0 Ft

Surf Wat Elev: 350.7
Ground Water Elevation
when Drilling 338
At Completion
At: Hrs:

Description	DEPTH	BLOWS	Qu tsf	W%
Asphalt and concrete over crushed aggregate				
368.5				
Medium, very moist, grey and brown, Silty Clay A7-6		1		
		WH	0.7B	24
		1		
365.5				
Medium, very moist, grey, Silty Clay A7-6 with gravel and cinders.	5.0	2		
		7	0.6B	22
		7		
363.0				
Medium, very moist, grey, Clay A7-6		WH		
		1	0.6B	24
		WH		
360.5				
Soft, very moist, grey, Clay A7-6	10.0	WH		
		WH	0.3B	26
		WH		
358.0				
Medium, very moist, grey, Clay A7-6		WH		
		WH	0.6B	33
		WH		
355.5				
Soft, very moist, grey, Clay A7-6	15.0	WH		
		WH	0.4B	26
		1		
353.0				
Medium, very moist, grey, Clay A7-6		WH		
		WH	0.8B	24
		1		
350.5				
Medium to stiff, moist to very moist, grey, Silty Clay to Clay A7-6	20.0	WH		
		1	1.0B	33
		1		
348.0				
Medium, very moist, grey, Clay A7-6		WH		
		1	0.8B	29
		1		
345.5				
	25.0	1		

Description	DEPTH	BLOWS	Qu tsf	W%
Stiff, moist, brown mottled grey, Clay A7-6		4	1.7B	29
		6		
		1		
		3	1.9B	24
		5		
340.5				
Medium, very moist, brown mottled grey, Clay A7-6	30.0	1		
		2	0.7B	28
		3		
		WH		
		1	0.7B	24
		2		
	35.0	1		
		2	0.7B	24
		3		
		1		
		2	0.6B	25
		2		
330.5				
Stiff, moist, grey, Clay A7-6 with Sand layers	40.0	1		
		3	1.5B	24
		4		
325.5				
Medium, very moist, grey, Silty Clay Loam A-6 w/ sand seams	45.0	WH		
		3	0.7S	24
		3		
320.5				
	50.0	WH		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 3

Route: FAP 332 (US 45) Date: 5/24/2010

Section: 29-B-Y

County: Saline

Boring No: 1-S
Station: ~~723+50~~ 706+09
Offset: ~~29' Lt CL~~ 8' Rt CL
Ground Surface: 370.0 Ft

Description	DEPTH	BLOWS	Qu tsf	W%
Loose, very moist, grey, Sand with Clay layers		1		18
		4		
85% Sand				
11% Silt				
4% Clay				
315.5		Washed		
Soft, very moist, grey, Clay A7-6	55.0	1		
		WH	0.4B	22
		1		
310.5				
Very stiff, moist to very moist, grey, Silt Loam A-4	60.0	11		
		14	2.1S	21
		19		
	65.0	11		
		21	2.7S	25
		21		
300.5				
Very stiff, moist, grey, Silty Clay Loam A-6	70.0	9		
		15	2.9S	20
		16		
295.5				
	75.0	6		

Description	DEPTH	BLOWS	Qu tsf	W%
Very stiff, moist, grey, Silty Clay to Clay A7-6		12	3.3B	26
		14		
280.5				
	80.0	3		
		9	3.3B	23
		12		
	85.0			
	90.0	4		
Stiff, moist, olive grey, Sandy Clay A-6		8	1.3S	21
		8		
	95.0			
271.0				
Hard, damp, grey, Clay Shale				
	100.0	100/10"		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

FILE NAME: L:\DOT\1906810\WO_10\Draw\Structures\CADD_Sheets\SN 083-4074\0787110-b-SN 083-4074_23_Soil Boring - Logs

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING – I
SN 083–0074

SCALE: SHEET 23 OF 28 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-4	SALINE	150	108

CONTRACT NO. 78716

ILLINOIS FED. AID PROJECT

Sheet 3 of 3

Route: FAP 332 (US 45)
Section: 29-B-Y
County: Saline

Date: 5/24/2010

Boring No: 1-S
Station: ~~723+50~~ 706+09
Offset: ~~29' Lt CL~~ 8' Rt CL
Ground Surface: 370.0 Ft

	DEPTH	BLOWS	Qu tsf	W%		DEPTH	BLOWS	Qu tsf	W%
269.5									
Bottom of hole = 100.5 feet									
Free water observed at 32.0 feet									
Elevation refernced to BM @ NW wingwall: Elev.= 370.4 feet									
To convert "N" values to "N60" multiply by 1.25	105.0					130.0			
	110.0					135.0			
	115.0					140.0			
	120.0					145.0			
	125.0					150.0			

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log
Sheet 1 of 3

FAP 332 (US 45) Over Overflow of NF Saline River

Route: FAP 332 (US 45) Structure Number: 083-0002 Date: 6/22/2010
Section 29-B-Y Bored By: R Moberly
County: Saline Location: 0.5 mile North of Texas City Checked By: R Graeff

Boring No 2-S
Station ~~720+50~~ 703+09
Offset ~~45' Lt CL~~ 8' Lt CL
Ground Surface 370.0 Ft

Surf Wat Elev: 350.7
Ground Water Elevation
when Drilling 330.5
At Completion
At: Hrs:

	DEPTH	BLOWS	Qu tsf	W%		DEPTH	BLOWS	Qu tsf	W%
Asphalt and concrete over crushed aggregate					Hard to very stiff, moist, brown streaked grey, Clay A7-6		6	3.1B	22
368.5							9		
Medium to stiff, moist, brown, Silty Clay A7-6		1					4		
		2	1.0B	21			8	4.3B	26
366.5		2					11		
old concrete pavement									
365.5									
Medium, very moist, brown, Silty Clay A-6	5.0	3				30.0	3		
		6	0.8E	24			8	4.1B	27
		4					10		
363.0									
Medium, very moist, grey and brown, Clay A7-6		WH					4		
		1	0.7B	28			8	5.8B	26
		1					12		
360.5									
Soft, very moist, grey and brown, Clay A7-6	10.0	WH				35.0	5		
		WH	0.4B	32			8	3.9B	23
		1					11		
358.0					333.0				
Medium, very moist, grey and brown, Clay A7-6		WH			Stiff to very stiff, moist, brown mottled grey, Clay A7-6		3		
		1	0.8B	27			4	2.1B	26
		3					6		
355.5									
Stiff, moist, grey, Clay A7-6	15.0	1				40.0	1		
		3	1.1B	30			4	1.7B	25
		4					6		
353.0									
Hard to very stiff, moist, brown streaked grey, Clay A7-6		3							
		7	4.1B	21					
		9							
					325.5				
	20.0	4			Soft, very moist, grey, Silt Loam to Silty Clay Loam A-4 with Sand seams	45.0	1		
		8	3.9S	24			3	0.4B	23
		11					3		
		4							
		8	4.3B	20					
		12							
					320.5			12.0	
	25.0	2			Loose to very loose, wet, grey,	50.0	WH		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Route: FAP 332 (US 45)
Section: 29-B-Y
County: Saline

Date: 6/22/2010

Boring No: 2-S
Station: ~~720+50~~ 703+09
Offset: ~~45' Lt CL~~ 8' Lt CL
Ground Surface: 370.0 Ft

	DEPTH	BLOWS	Qu tsf	W%
Fine Sand with Silt layers 80% Sand 14% Silt 6% Clay		1 3		18
	315.5		Washed	
Soft, very moist, grey, Silty Clay A-6 with sand seams	55.0	1 3 3	0.4B	21
	310.5			
Stiff, moist, grey, Silty Clay to Silty Clay Loam A-6 with Sand layers	60.0	3 5 6	1.5B	18
	305.5			
Hard, damp to moist, grey, Silt to Silt Loam A-4	65.0	13 24 28	4.3S	24
	300.5			
Very stiff to hard, moist, grey, Silty Clay to Silty Clay Loam A-6	70.0	6 14 18	3.9S	20
	75.0	5		
Very stiff to hard, moist, grey, Silty Clay to Silty Clay Loam A-6		12 16	4.1B	21
	80.0	4 8 12	3.1B	22
	85.0			
	280.5			
Very stiff, moist, grey mottled brown, Clay A7-6	90.0	2 3 5	2.3B	25
	276.0			
Loose?, very moist, grey, Fine Silty Sand	95.0			
	270.5			
Hard, damp, grey Clay A7-6	270.0 100.0	20		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Route: FAP 332 (US 45)
Section: 29-B-Y
County: Saline

Date: 6/22/2010

Boring No: 2-S
Station: ~~720+50~~ 703+09
Offset: ~~45' Lt CL~~ 8' Lt CL
Ground Surface: 370.0 Ft

	DEPTH	BLOWS	Qu tsf	W%
Hard, dry, grey, Clay Shale		100/8"		
	105.0	100/4"		
Hard, dry, grey, Clay Shale	260.0 110.0	100/3"		
Bottom of hole= 109.8 feet Free water observed at 39.5 feet Elevation referenced to BM @ NW wingwall: Elev.= 370.4 feet To convert "N" values to "N60" multiply by 1.25	115.0			
	120.0			
	125.0			
	130.0			
	135.0			
	140.0			
	145.0			
	150.0			

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

FILE NAME: L:\DOT\1906810\WO_10\Dsw\Structures\CADD_Sheets\SN 083-0074\097971-dn-SN 083-0074_25_Soil Boring - III.dgn

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USER NAME = Derek Cochran	DESIGNED - DH	REVISED -
	DRAWN - DH	REVISED -
PLOT SCALE = N/A	CHECKED - ATI	REVISED -
PLOT DATE = 12/8/2022 (3:33:28 PM)	DATE - 05/19/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING – III
SN 083–0074

SCALE: | SHEET 25 OF 28 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-4	SALINE	150	110

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

FAP 332 (US 45) Over Overflow of NF Saline River

Route: FAP 332 (US 45) Structure Number: 083-0002 Date: 9/29/2010
Section 29-B-Y Bored By: R Moberly
County: Saline Location: 0.5 mile North of Texas City Checked By: R Graeff

Boring No 3-S
Station ~~722+12~~ 704+63
Offset ~~29' Rt CL~~ 66' Rt CL
Ground Surface 351.1 Ft

Surf Wat Elev: 349.0
Ground Water Elevation
when Drilling 321.6
At Completion
At: Hrs:

Description	DEPTH	BLOWS	Qu tsf	W%
Stiff, moist, grey mottled brown, Clay to Silty Clay A7-6		1		
		1	1.6B	38
		1		
		WH		
		1	1.4B	31
		1		
346.6				
Medium, very moist, grey, Clay A7-6	5.0	WH		
		WH	0.8B	28
		1		
344.1				
Soft, very moist, grey, Silty Clay to Clay A7-6		WH		
		WH	0.3B	33
		1		
	10.0	WH		
		WH	0.3B	32
		1		
339.1				
Very soft, very moist, grey, Clay A7-6		WH		
		WH	0.2B	50
		WH		
336.6				
Stiff, moist, grey mottled brown, Clay A7-6	15.0	1		
		2	1.4B	28
		2		
334.1				
Very soft, very moist, grey, Clay A7-6		WH		
		WH	0.2B	40
		1		
331.6				
Medium, very moist, grey, Silty Clay Loam to Silt Loam A-4	20.0	1		
		3	0.8B	25
		5		
329.1				
Soft, very moist, grey, Clay A7-6		WH		
		WH	0.4B	24
		1		
326.6				
	25.0	WH		
Medium, very moist, grey, Silt Loam to Silty Clay Loam A-4 (8) 29% Sand; 58% Silt; 13% Clay		3	0.7S	26
		2		
324.1				
Very loose, wet, grey, Sand to Sand Loam 73% Sand; 19% Silt; 8% Clay		WH		
		WH		27
		WH		
321.6			Washed 3'	
Medium dense, moist, grey, Sand to Sand Loam 72% Sand 20% Silt 8% Clay	30.0	3		
		7		18
		8		
316.6			Washed 2'	
		5		
		6		
		7		
316.6			Washed 3'	
Medium dense, very moist, grey Sand with Silty Clay layers 62% Sand; 29% Silt; 9% Clay	35.0	2		
		7		24
		7		
314.1			Washed 2'	
Medium dense, moist, grey, coarse Sand with some clay seams 84% Sand 11% Silt 5% Clay		4		
		6		19
		8		
	40.0	2		
		7		
		9		
306.6			Washed 2'	
Very stiff, moist, grey, Silt Loam A-4	45.0	13		
		21	2.9S	19
		18		
301.6				
	50.0	6		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2

Route: FAP 332 (US 45) Date: 9/29/2010
Section: 29-B-Y
County: Saline

Boring No: 3-S
Station: ~~722+12~~ 704+63
Offset: ~~29' Rt CL~~ 66' Rt CL
Ground Surface: 351.1 Ft

Description	DEPTH	BLOWS	Qu tsf	W%
Hard, damp, grey, Silt Loam to Silty Clay Loam A-4		13	4.1S	21
		17		
296.6				
Hard, moist, grey, Clay A7-6	55.0	4		
		9	4.7B	23
		11		
291.6				
Very stiff, moist, grey, Silty Clay to Clay A7-6	60.0	2		
		5	2.1B	28
		8		
286.6				
Stiff, moist to very moist, grey, Silty Clay to Silty Clay Loam A-6	65.0	WH		
		1	1.2B	20
		2		
281.6				
Very stiff, moist, bluish grey, Silty Clay Loam to Clay Loam A-6	70.0	3		
		8	2.8S	18
		9		
276.6				
	75.0	WR		
Very loose, very moist, grey, Sand		WR		
		WR		
271.6				
Hard, damp, grey, weathered Clay Shale	80.0	9		
270.6		30		
Hard, dry, grey, Clay Shale		60		
	85.0	100/4"		
Hard, dry, grey, Clay Shale				
261.1	90.0	100/3"		
Bottom of hole= 89.8 feet				
Free water observed at 29.5 feet				
Elevation referenced to BM @ NW wingwall: Elev.= 370.4 feet				
Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)	95.0			
To convert "N" values to "N60" multiply by 1.25				
	100.0			

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

FAP 332 (US 45) Over Overflow of NF Saline River

Sheet 1 of 2

Route: FAP 332 (US 45) Structure Number: 083-0002 Date: 10/4/2010

Section 29-B-Y Bored By: R Moberly

County: Saline Location: 0.5 mile North of Texas City Checked By: R Graeff

Boring No 4-S
Station ~~723+43~~ 705+94
Offset ~~34' Rt CL~~ 74' Rt CL
Ground Surface 352.3 Ft

Surf Wat Elev: 349.0
Ground Water Elevation
when Drilling 337.8
At Completion
At: Hrs:

Description	Depth	Blows	Qu tsf	W%
Very stiff, damp to moist, brown mottled grey, Clay to Silty Clay A7-6				
		2		
		3	2.5B	21
		3		
347.8				
Medium, v moist, brown mottled grey, Clay to Silty Clay A7-6	5.0	WH		
		1	0.9B	24
		1		
345.3				
Stiff, moist to very moist, brown mottled grey, Clay A7-6		1		
		3	1.2B	22
		4		
	10.0	1		
		3	1.2B	23
		3		
340.3				
Medium, very moist, brown mottled grey, Clay A7-6		1		
		2	0.8B	22
		3		
337.8				
Stiff, moist to very moist, grey and brown, Clay to Clay Loam A7-6	15.0	1		
		2	1.1B	21
		3		
335.3				
Medium, very moist, grey and brown, Clay A7-6		1		
		3	0.8B	23
		3		
332.8				
Stiff, moist, grey and brown, Clay A7-6	20.0	2		
		3	1.1B	22
		4		
330.3				
Stiff, moist, grey, Clay A7-6		1		
		4	1.8B	20
		6		
327.8				
	25.0	1		

Description	Depth	Blows	Qu tsf	W%
Stiff, moist, grey, Clay to Silty Clay A7-6		4	1.2B	23
		4		
325.3				
Soft, very moist, grey, Silty Clay Loam A-6 with sand seams		1		
		3	0.4B	28
		4		
322.8				
Very loose, wet, grey, Fine Sand 90% Sand 6% Silt 4% Sand	30.0	WR		
		WH		26
		1		
320.3		Washed 3'		
Medium, very moist, grey, Fine Sand		5		
		4		
		7		
317.8		Washed 2'		
Medium, very moist, grey, Silty Clay Loam A-4 with sand seams	35.0	1		
		3	0.9S	19
		3		
		Washed 2'		
		3		
314.3		6	0.8S	23
		8		
Medium dense, very moist, grey, Sand and Silt 86% Sand 10% Silt 4% Clay	40.0	6		
		11		20
		12		
2% Sand 84% Silt 14% Clay 307.8				
Very stiff, damp, grey, Silt to Silt Loam A-4	45.0	11		
		18	3.7S	19
		19		
302.8				
	50.0	5		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2

Route: FAP 332 (US 45) Date: 10/4/2010

Section: 29-B-Y

County: Saline

Boring No: 4-S
Station: ~~723+43~~ 705+94
Offset: ~~34' Rt CL~~ 74' Rt CL
Ground Surface: 352.3 Ft

Description	Depth	Blows	Qu tsf	W%
Hard, damp, grey, Clay to Silty Clay A7-6		13	4.1B	20
		13		
297.8				
Very stiff, damp to moist, grey, Clay A7-6	55.0	5		
		11	3.5B	23
		11		
	60.0	3		
		9	3.3B	20
		10		
282.8				
	70.0	1		
??? No recovery (see 3-S)		2		
		3		
277.8				
Very loose, wet, grey, Sand	75.0	WR		

Description	Depth	Blows	Qu tsf	W%
Very loose, wet, grey, Sand		WH		
		1		
272.8				
Hard, damp, grey, Clay to weathered Clay Shale	80.0	1		
		14	4.3B	17
		25		
270.8				
Hard, dry, grey, Clay Shale				
267.3	85.0	100/3"		
Bottom of hole= 84.8 feet				
Free water observed at 14.5 feet				
Elevation referenced to BM @ NW wingwall: Elev.= 370.4 feet				
Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)	90.0			
To convert "N" values to "N60" multiply by 1.25				
	95.0			
	100.0			

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

FILE NAME: L:\DOT19\06810\WO_10\Dwg\Structures\CADD_Sheets\SN 083-0074\097871-Bridge-SN 083-0074_27_Soil Boring - V.dgn

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PLOT SCALE = N/A	CHECKED - ATI	REVISED -	
PLOT DATE = 12/8/2022 (3:33:49 PM)	DATE - 05/19/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING – V
SN 083–0074

SCALE: SHEET 27 OF 28 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-4	SALINE	150	112

CONTRACT NO. 78716

ILLINOIS FED. AID PROJECT

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

FAP 332 (US 45) Over Overflow of NF Saline River

Sheet 1 of 2

Route: FAP 332 (US 45) Structure Number: 083-0002 Date: 10/5/2010

Section 29-B-Y Bored By: R Moberly

County: Saline Location: 0.5 mile North of Texas City Checked By: R Graeff

Boring No 5-S
Station ~~720+40~~ 702+99
Offset ~~35' Rt CL~~ 72' Rt CL
Ground Surface 352.9 Ft

Surf Wat Elev: 349.0
Ground Water Elevation
when Drilling 325.9
At Completion
At: Hrs:

Description	Depth	Blows	Qu tsf	W%
Very stiff, moist, brown mottled grey, Clay A7-6				
		5		
		7	2.6S	23
		7		
	5.0	2		
		4	2.7B	28
		4		
		2		
		4	2.7B	27
		6		
	10.0	3		
		5	3.7B	24
		7		
		3		
		5	3.7B	26
		7		
	15.0	2		
		6	3.9B	28
		7		
		3		
		7	3.5B	25
		8		
	20.0	3		
		6	3.7B	22
		8		
330.9				
Stiff, moist, brown mottled grey, Clay A7-6		2		
		4	1.7B	28
		4		
327.9	25.0	2		

Description	Depth	Blows	Qu tsf	W%
Stiff, moist to very moist, brown mottled grey, Silty Clay to Silty Clay Loam A-6		3	1.2B	22
		3		
325.9				
Medium, very moist, grey, Silty Clay Loam A-6		WH		
		1	0.6B	26
		2		
323.4				
Soft, very moist, grey, Silty Clay Loam A-6 with Sand layers	30.0	WH		
		1	0.4B	24
		1		
320.9		Washed 3'		
Loose, very moist, grey, Sand with clay layers		3		
		3		20
		6		
318.4		Washed 2'		
Stiff, very moist, grey, Silty Clay Loam A-4 with sand layers	35.0	3		
		5	1.1B	20
		6		
315.9				
Stiff, moist, grey, Silty Clay Loam A-6		1		
		8	1.7B	17
		6		
313.4				
Stiff, moist, grey, Silty Clay Loam A-6 with sand layers	40.0	1		
		3	1.1B	19
		3		
308.4				
Very stiff, moist, grey, Silt to Silt Loam A-4	45.0	7		
		8	2.4S	18
		8		
	50.0	7		

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

Sheet 2 of 2

Route: FAP 332 (US 45) Date: 10/5/2010

Section: 29-B-Y

County: Saline

Boring No: 5-S
Station: ~~720+40~~ 702+99
Offset: ~~35' Rt CL~~ 72' Rt CL
Ground Surface: 352.9 Ft

Description	Depth	Blows	Qu tsf	W%
Very stiff, moist, grey, Silt to Silt Loam A-4		13	2.4S	19
		13		
298.4				
Very stiff, moist, grey, Silt Loam to Silty Clay Loam A-4	55.0	7		
		12	3.7B	21
		14		
293.4				
Very stiff, moist, grey, Clay A7-6	60.0	4		
		9	2.7B	24
		13		
288.4				
Very stiff, damp to moist, grey, Silty Clay A-6	65.0	3		
		10	3.9B	30
		11		
283.4				
Very stiff, moist, grey, Clay A7-6	70.0	2		
		5	2.5B	23
		5		
278.4				
	75.0	2		

Description	Depth	Blows	Qu tsf	W%
Loose, very moist, grey, Silty Sand		3		
		3		
273.4				
Very stiff, damp to moist, grey, Clay to weathered Clay Shale	80.0	1		
		8	2.7B	30
		20		
271.4				
Hard, dry, grey, Clay Shale				
267.9	85.0	100/3"		
Bottom of hole= 84.8 feet				
Free water observed at 27.0 feet				
Elevation referenced to BM @ NW wingwall: Elev.= 370.4 feet				
Borehole advanced with hollow stem auger (8" O.D, 3.25" I.D.)	90.0			
To convert "N" values to "N60" multiply by 1.25				
	95.0			
	100.0			

N-Std Pentr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)

FILE NAME: L:\DOT\190610\WO_10\Draw\Structures\CAD0_Sheets\SN 0834074\0797F1-Sets-SN 0834074_28_Soil Borings - V1.dgn

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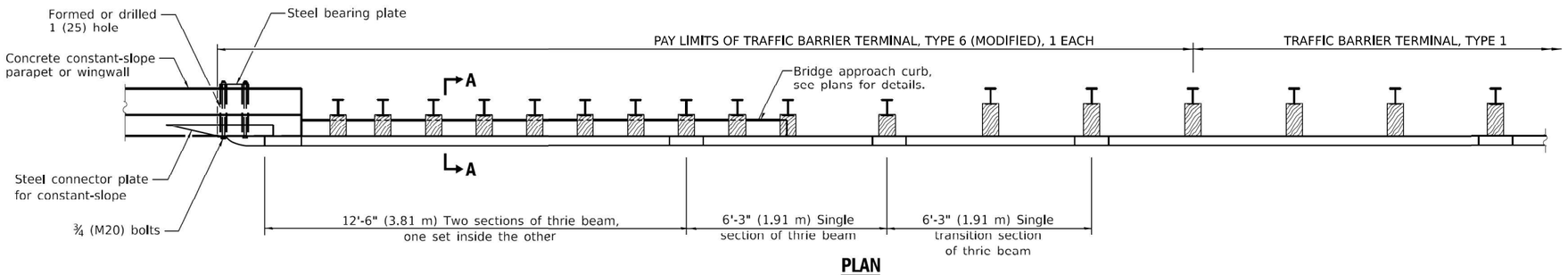
PLOT SCALE = N/A	CHECKED - ATI	REVISED -	
PLOT DATE = 12/8/2022 (3:33:59 PM)	DATE - 05/19/2022	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

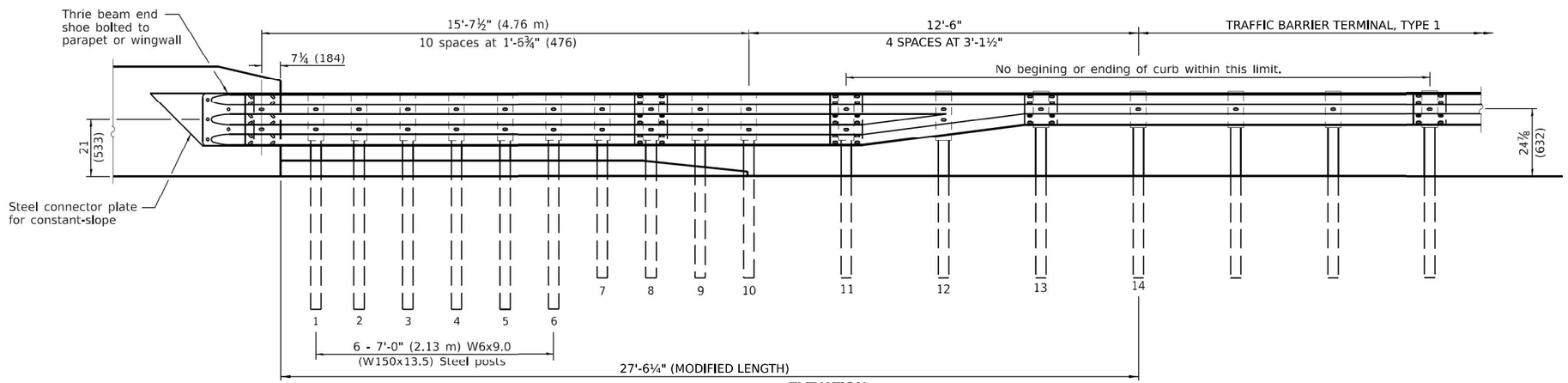
SOIL BORING – VI
SN 083–0074

SCALE: SHEET 28 OF 28 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-4	SALINE	150	113
		CONTRACT NO. 78716		
	ILLINOIS	FED. AID PROJECT		



PLAN



ELEVATION

GENERAL NOTES

SEE STANDARD 630001 FOR DETAILS OF GUARDRAIL NOT SHOWN.

THRIE BEAM RAIL SHALL BE BOLTED TO BLOCK-OUT AT ALL POSTS.

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

MODEL: TBT TY6 MODIFIED SHT
FILE NAME: I:\IDOT\1906610\WO_10\Drawr\Roadway\CADD_Sheets\0978716-sht-detail_type6modified.dgn

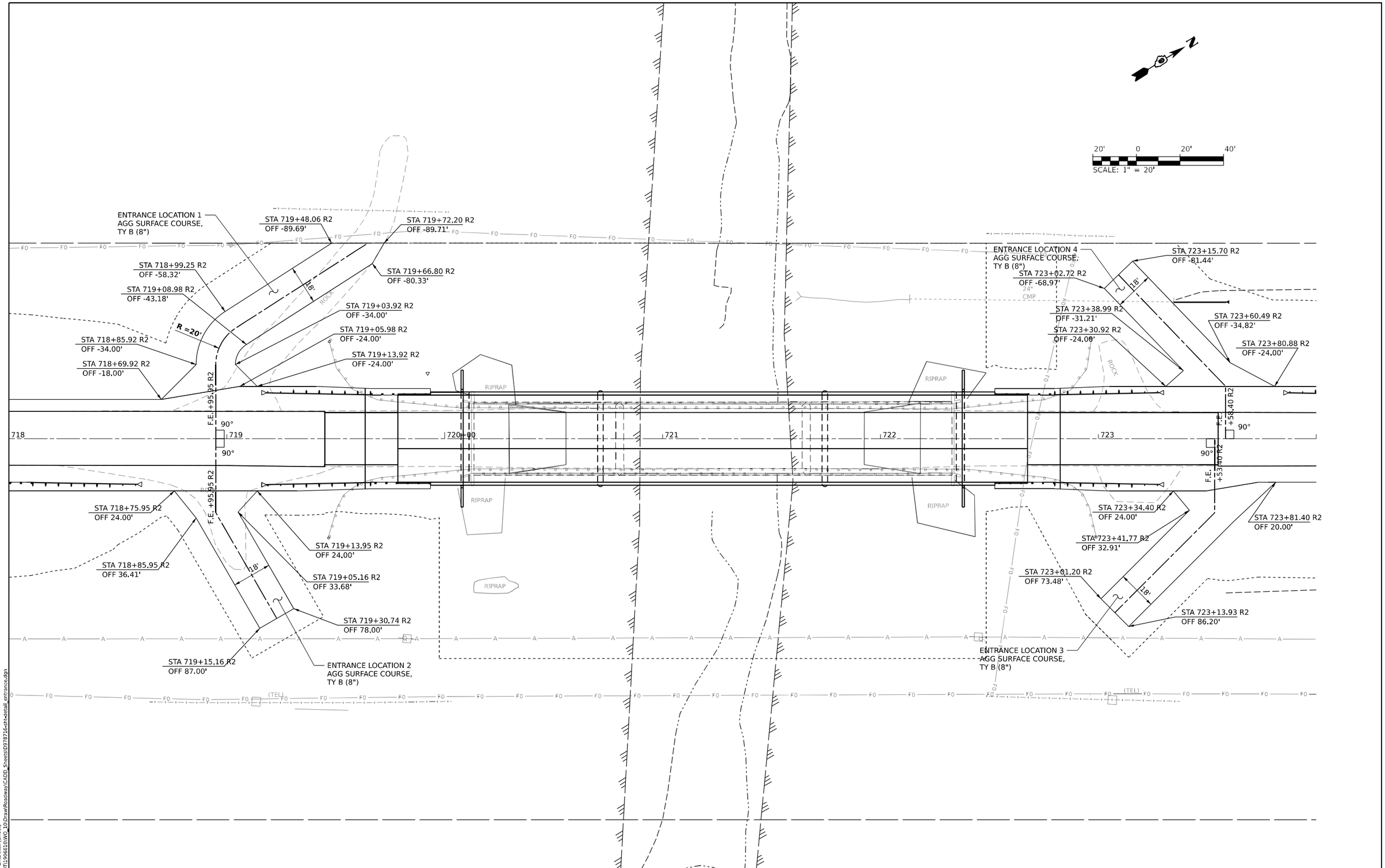
USER NAME = moverbey	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
DETAIL - TRAFFIC BARRIER TERMINAL, TYPE 6 (MODIFIED)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	114
		CONTRACT NO. 78716		
	ILLINOIS	FED. AID PROJECT		



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USER NAME = moverbey	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
DETAIL - ENTRANCES

SCALE: 1" = 20' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

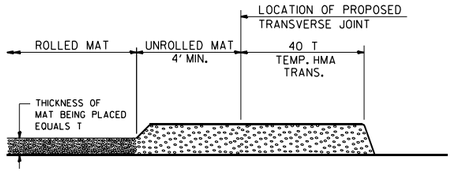
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	115

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

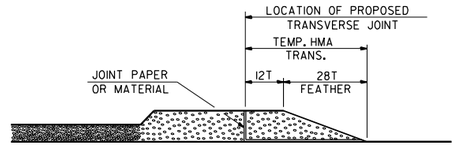
Long Section Number

TEMPORARY HOT-MIX ASPHALT TRANSITIONS



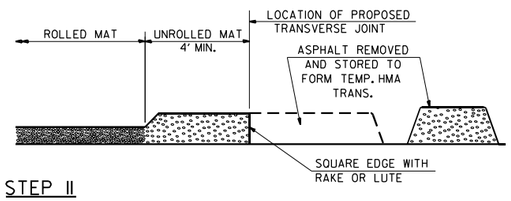
STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 40 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



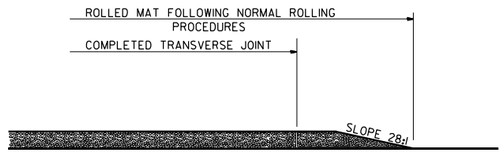
STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



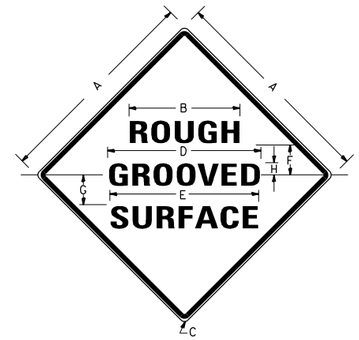
STEP IV

1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

STD. 9-26

REVISIONS	
REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07
RESIZED	05-8-08
REVISED	05-16-13

ILLINOIS STANDARD



COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

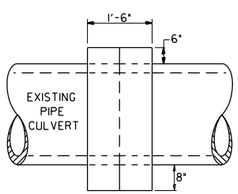
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

STD. 9-39

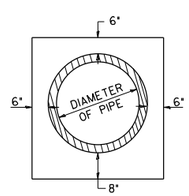
REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	3-27-08
REVIEWED	5-17-13

DETAILS OF CONCRETE COLLAR

PIPE TO PIPE



SIDE VIEW



END VIEW

TABULATION

DIAMETER OF PIPE	CL SICONC CU YDS EST
12"	0.24
15"	0.29
18"	0.32
24"	0.44
30"	0.56
36"	0.66
42"	0.80
48"	0.93
54"	1.07
60"	1.22
72"	1.55

THE CONCRETE COLLAR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR **CONCRETE COLLAR,** AS SHOWN ON THE PLANS, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS THE EXISTING HEADWALLS AS MAY BE REQUIRED.

CLASS SICONCRETE SHALL BE USED THROUGHOUT.

STD. 9-79

REVISIONS	
DRAWN	7-13-90
REVISED	8-22-94
REVISED	
REVISED	

WIDE LOAD SIGN

W12-I103 (48 X 48)

SERIES D ALPHABET, NO BORDER, BLACK ON WHITE

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
DETAIL - D9 STANDARDS

SCALE: NTS | SHEET 3 OF 4 SHEETS | STA. TO STA.

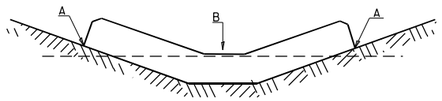
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	116

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

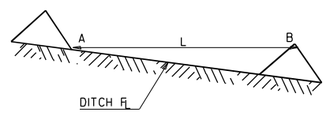
TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS



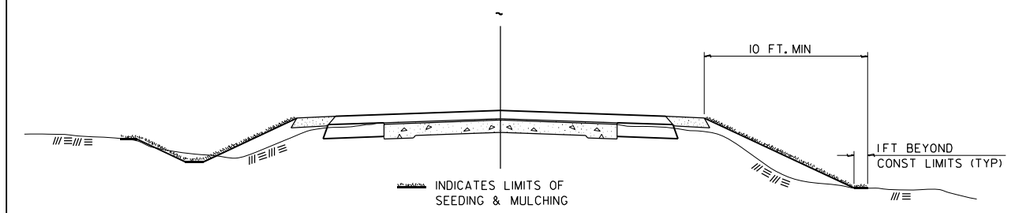
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

REVISIONS	
DRAWN	9-01-99
REVISED	10-3-01
RESIZED	5-8-08
REVISED	05-04-10
REVIEWED	5-17-13

STD. 9-108

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

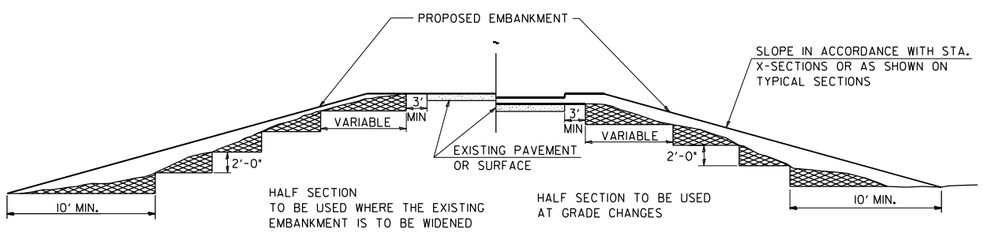
THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08
REVISED	5-16-13

STD. 9-12

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



STEPS SHALL BE CUT IN THE EXISTING SLOPE IN ACCORDANCE WITH ART. 205.03 EXCEPT THAT THE REQUIREMENT THAT STEPS SHALL BE CUT INTO THE EXISTING SLOPE BEFORE THE CONTRUCTION OF THE EXISTING EMBANKMENT IS STARTED SHALL NOT APPLY. MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04 OF THE STANDARD SPECIFICATIONS. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
CHECKED	6-3-99
RESIZED	5-7-08
REVIEWED	5-17-13
REVISED	4-22-21

STD. 9-16

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

F.A.P. 332 (U.S. ROUTE 45)
DETAIL - D9 STANDARDS

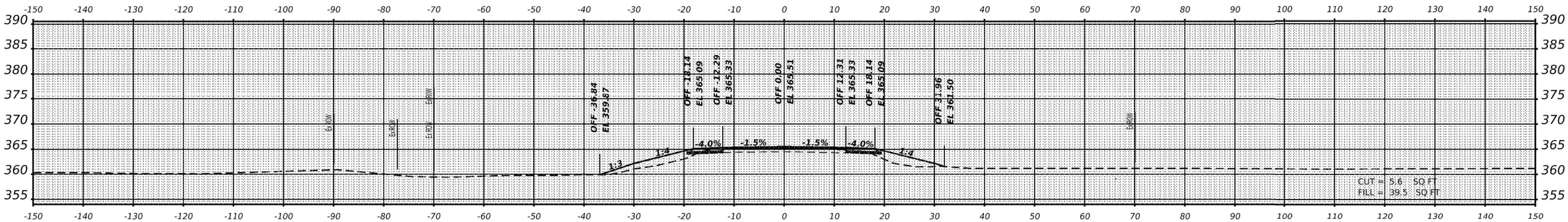
SCALE: NTS | SHEET 4 OF 4 SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	117

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

Long Section Number



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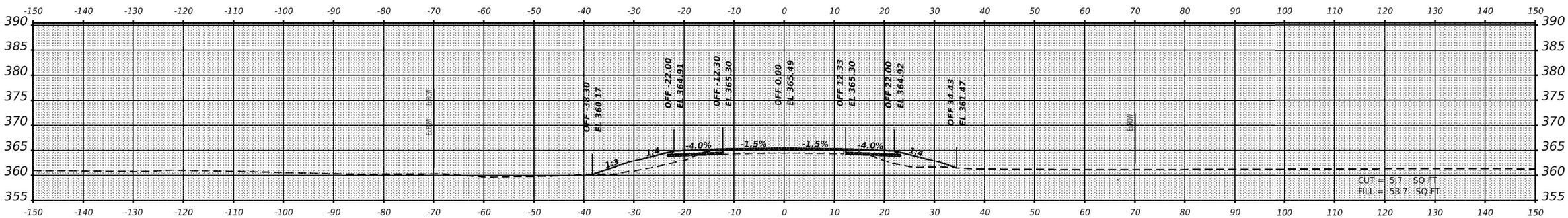

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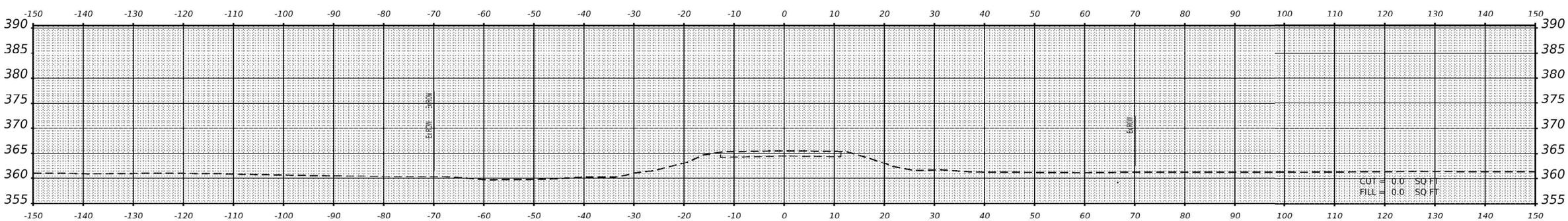

STA 693+00.00

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 1 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	118

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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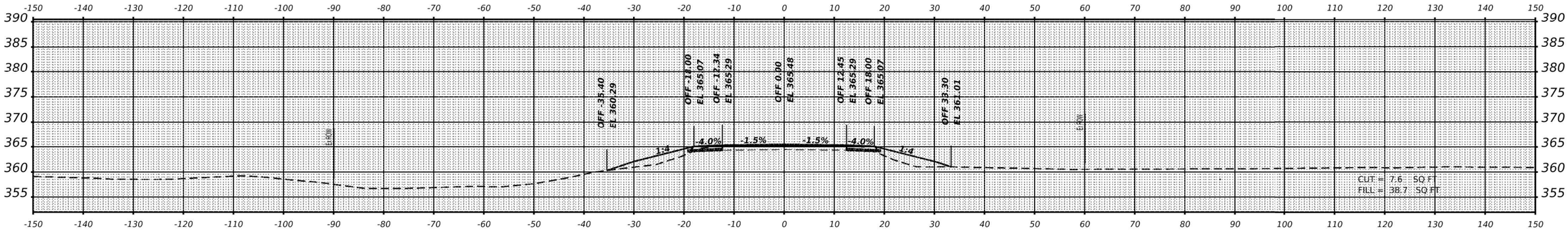

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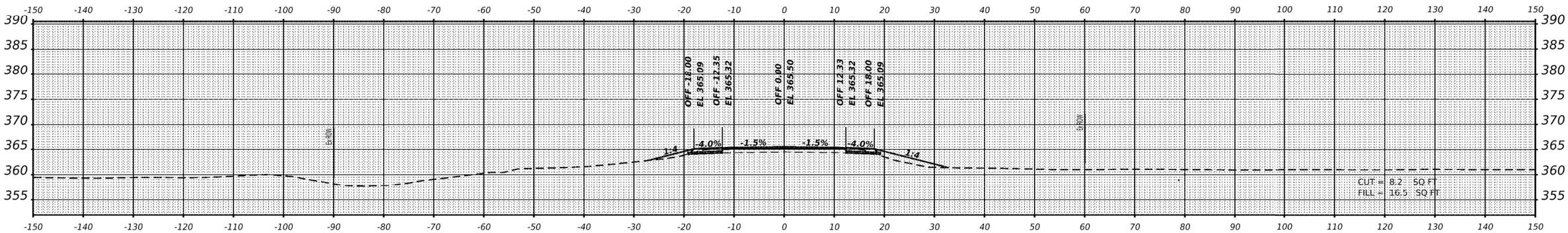

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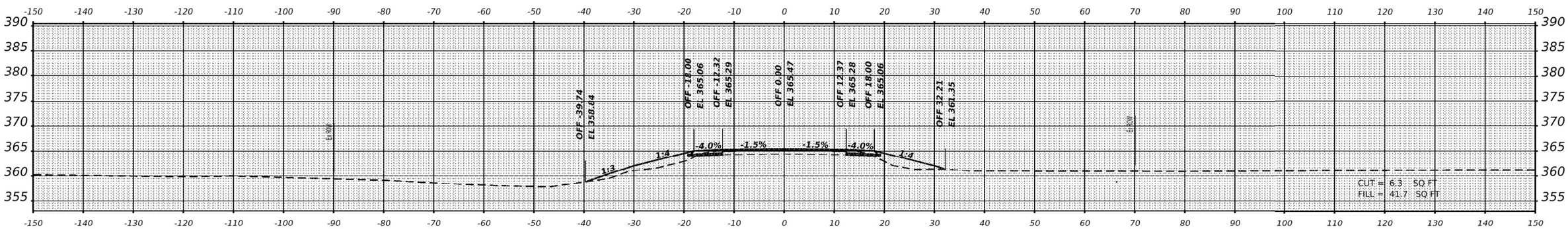

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 2 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	119

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

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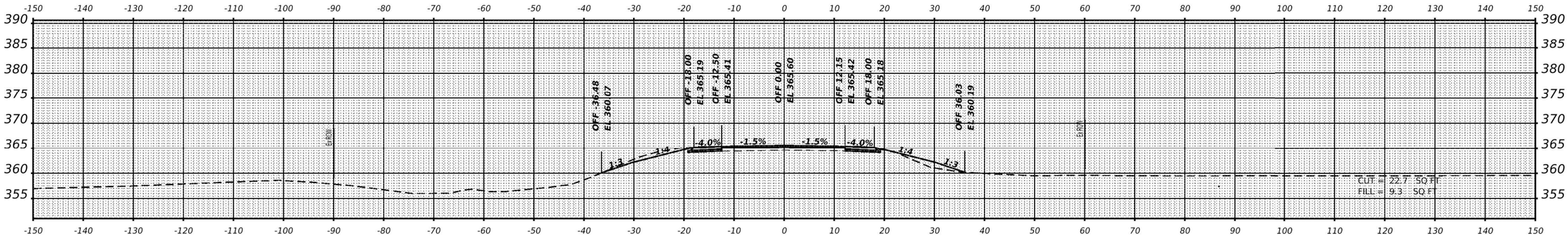

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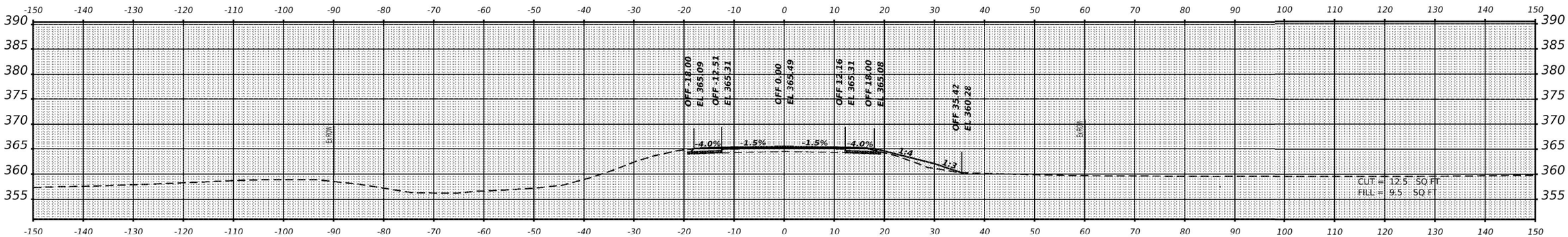

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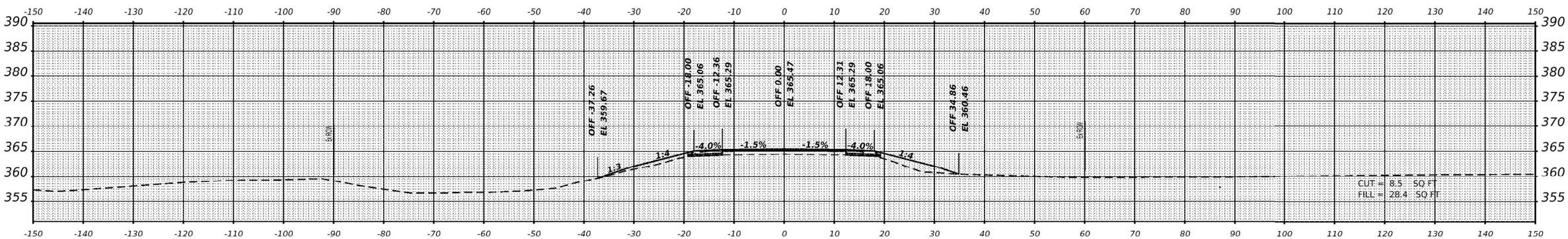

STA 695+50.00

FINAL SURVEY		BY	DATE
SURVEYED			
PLOTTED			
TEMPLATE			
AREAS			
AREAS CHECKED			
NOTE BOOK			
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ORIGINAL SURVEY		BY	DATE
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PLOTTED			
TEMPLATE			
AREAS			
AREAS CHECKED			
NOTE BOOK			
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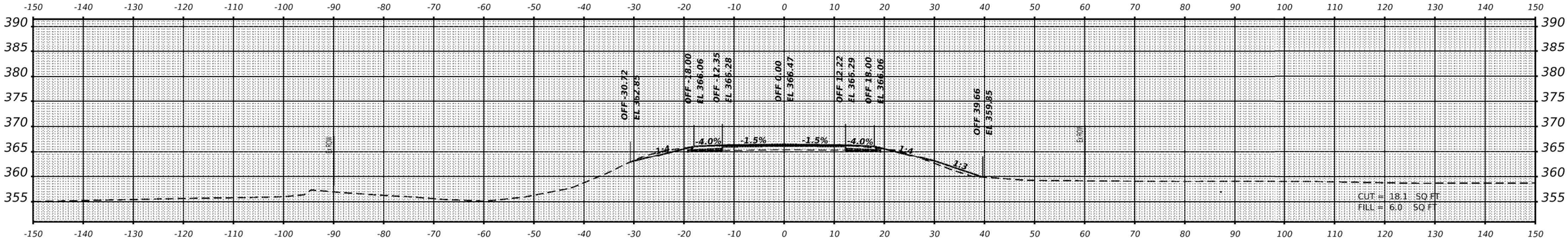
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 3 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	120
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	



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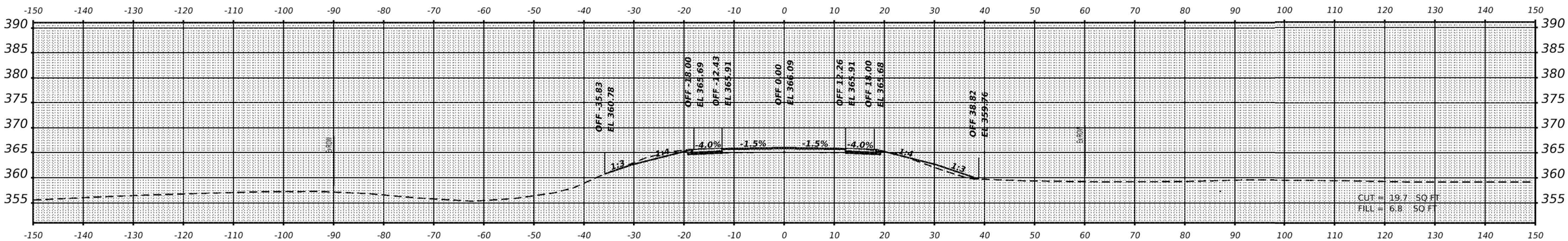

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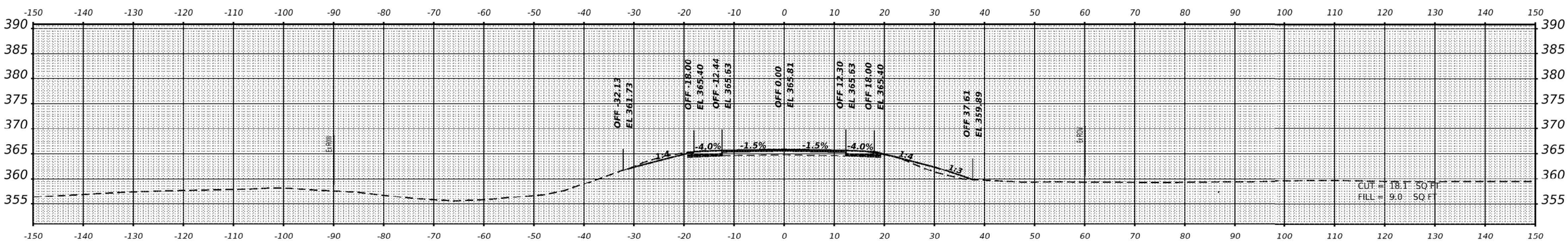

STA 697+00.00

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PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK NO.		

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

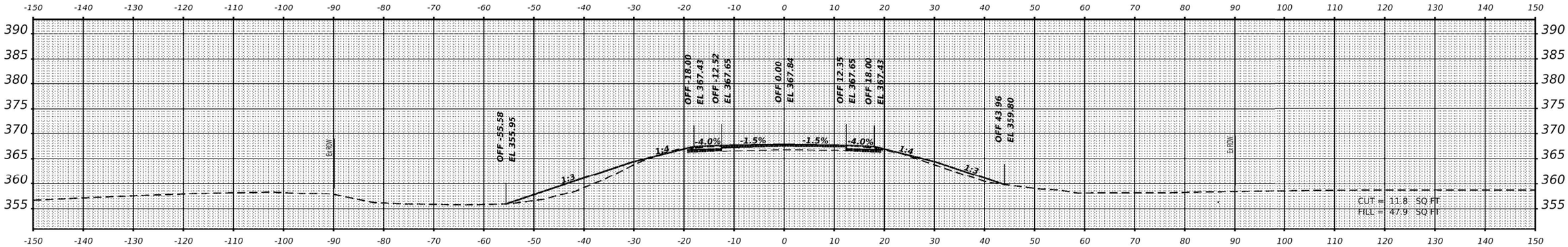
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 4 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	121

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT



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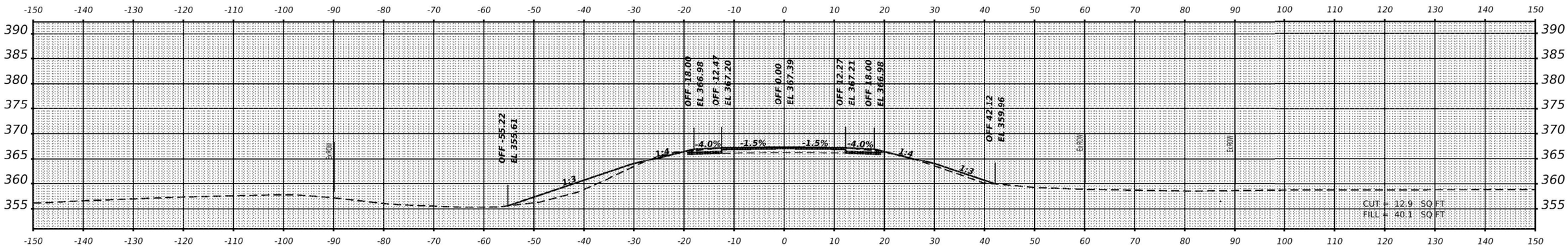

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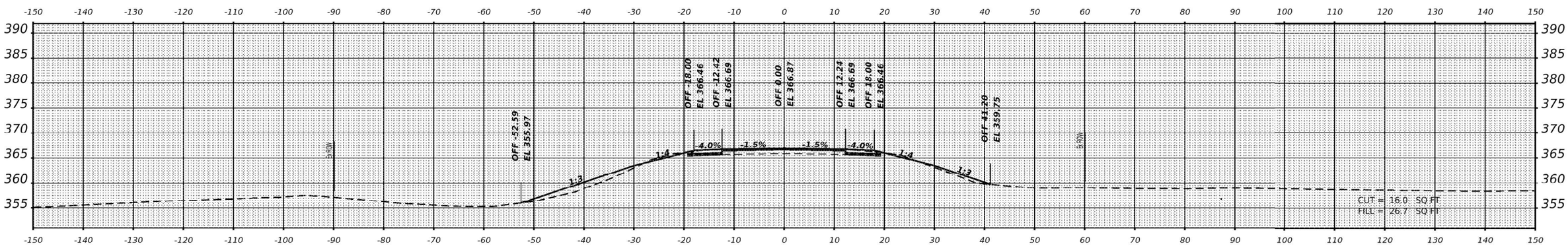

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 5 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	122

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

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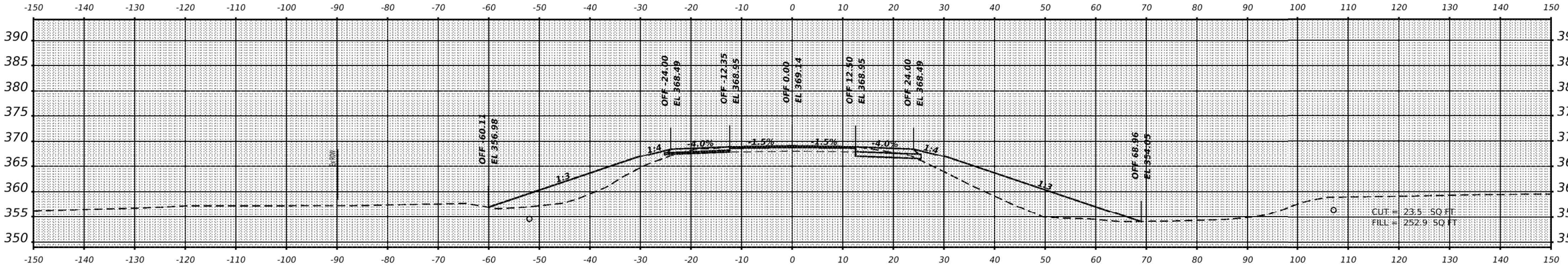

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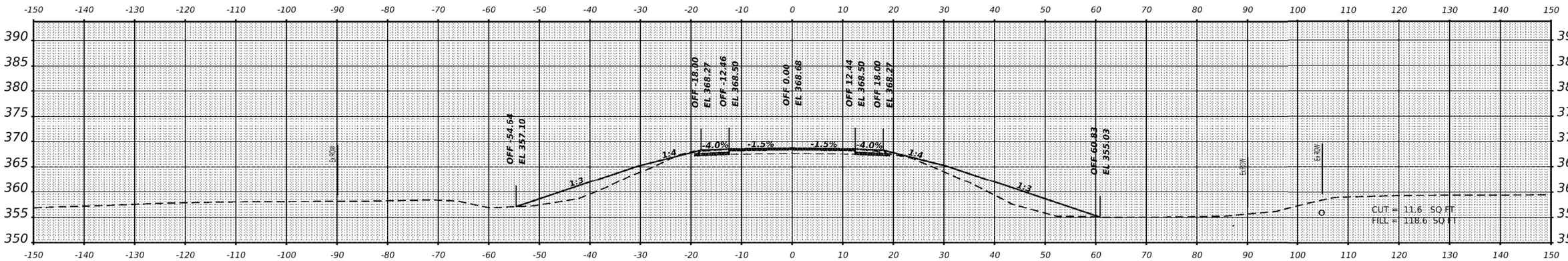

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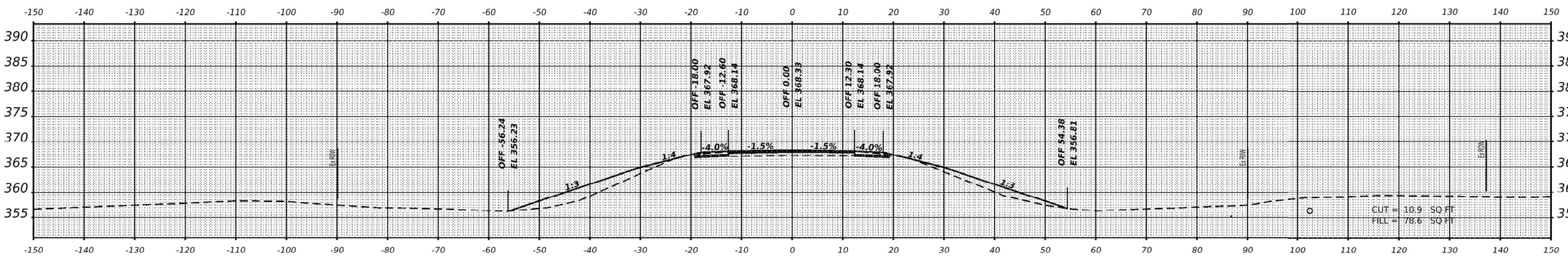

STA 700+00.00

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

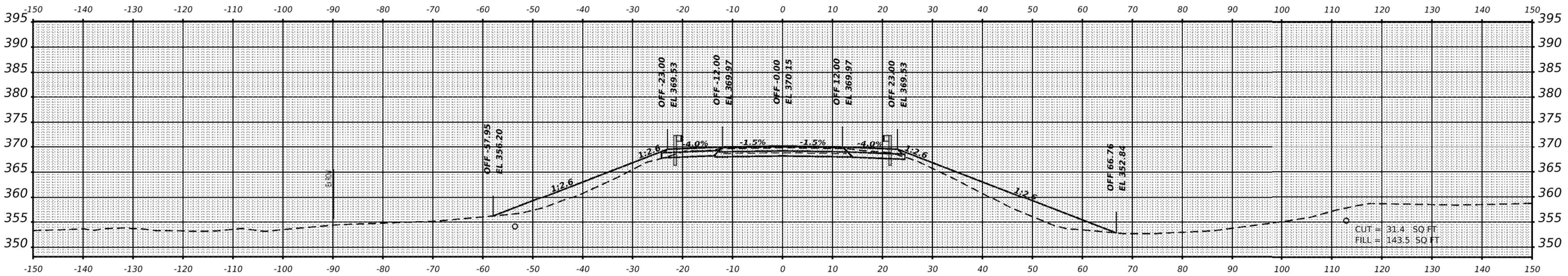
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 6 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	123

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT



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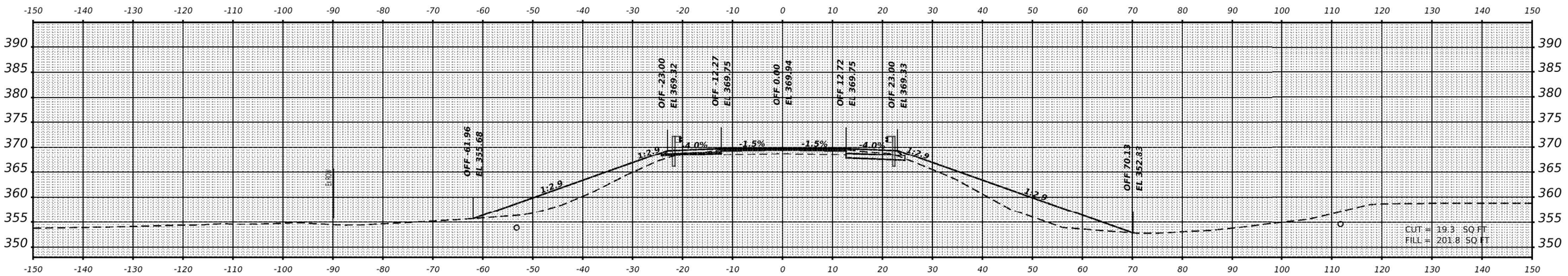

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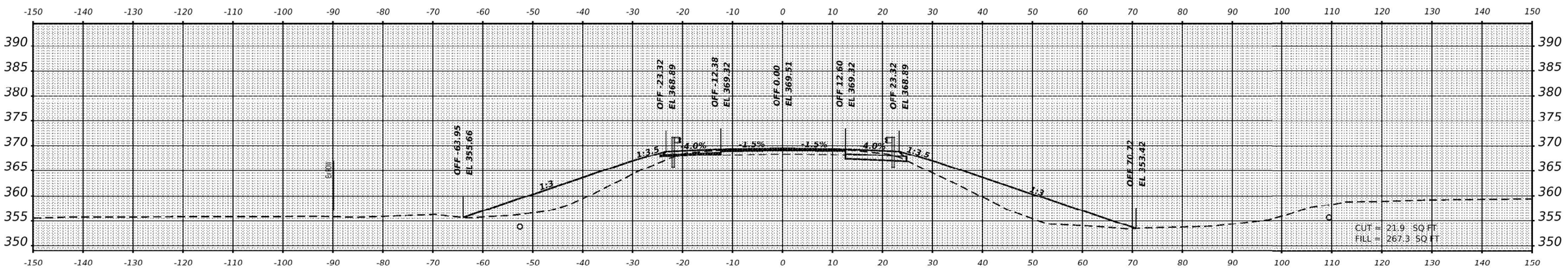

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 7 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	124

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

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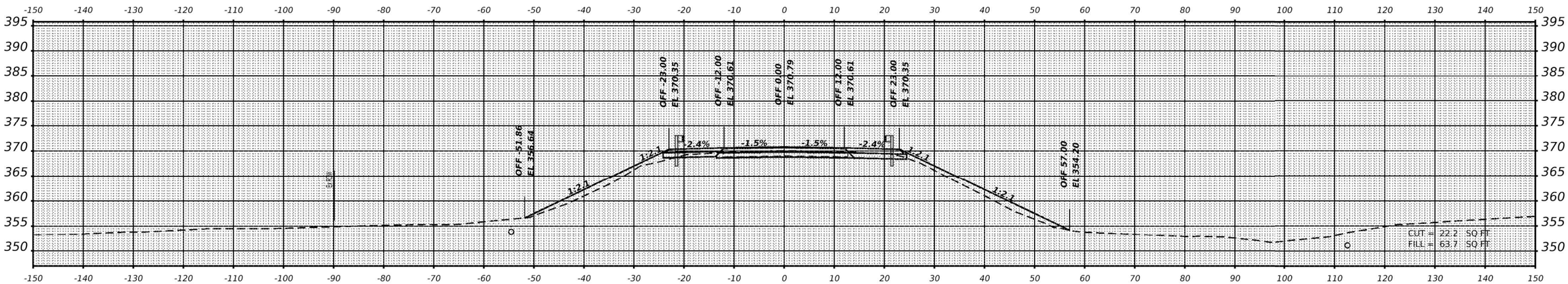

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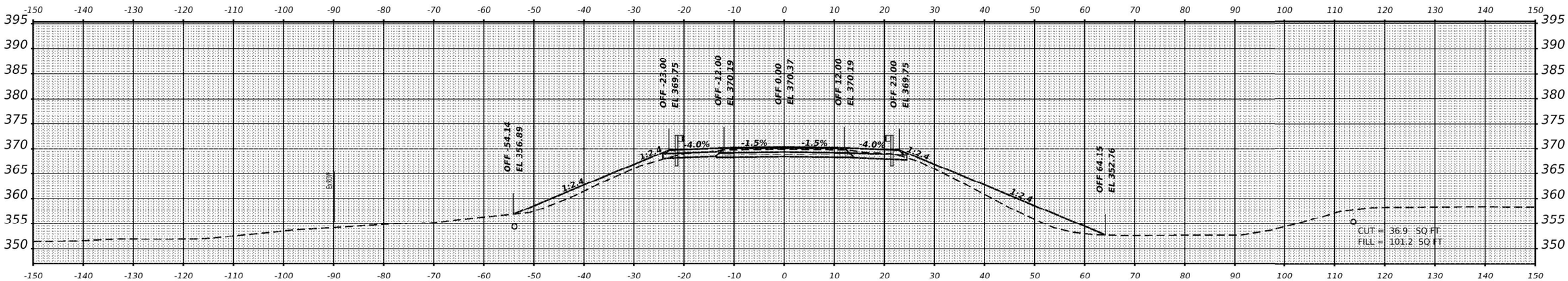

STA 702+50.00

USER NAME = moverbey	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 8 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	125

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

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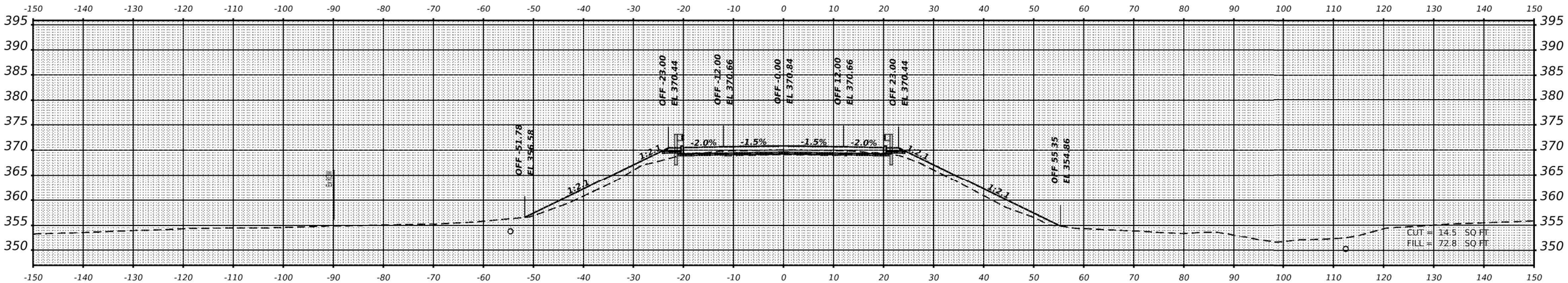

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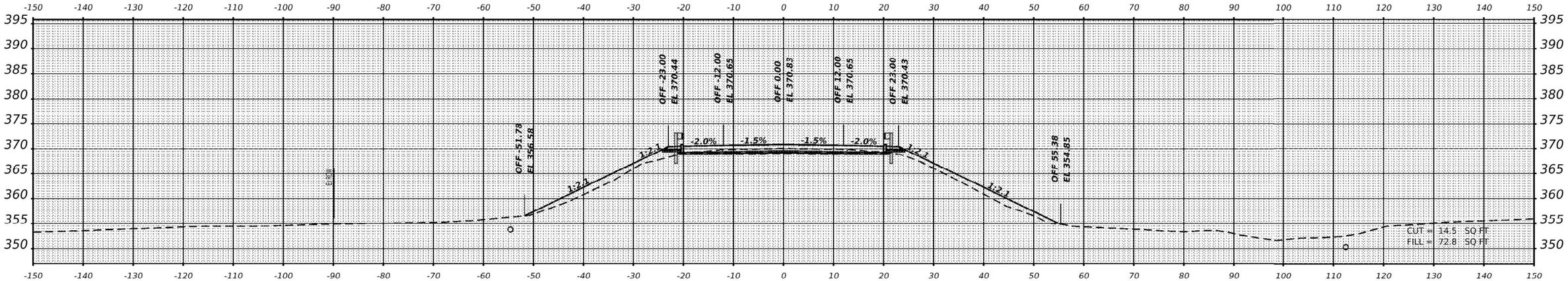

STA 703+04.84

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 9 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	126

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

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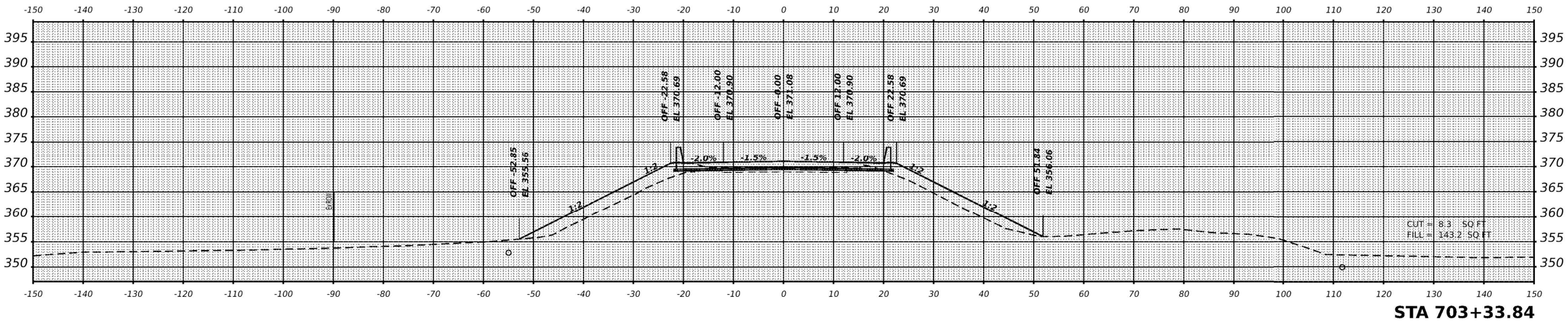

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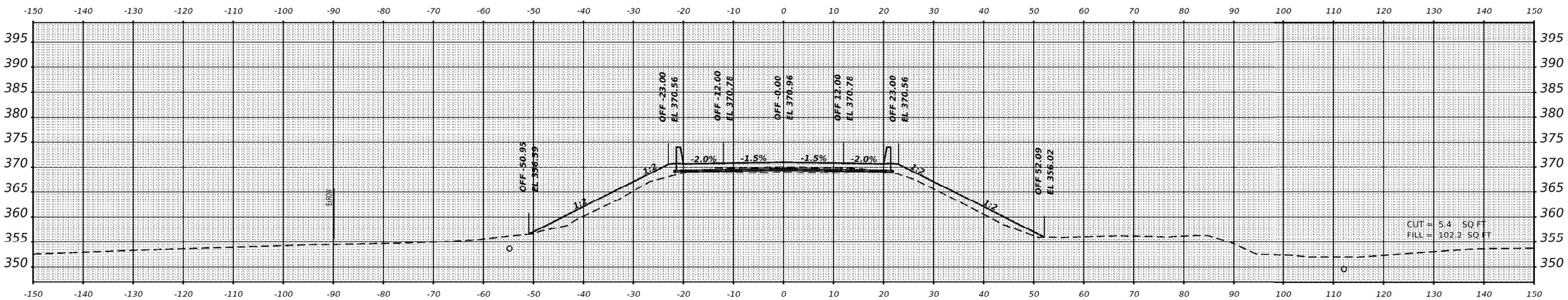

STA 703+19.84

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 10 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	127

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

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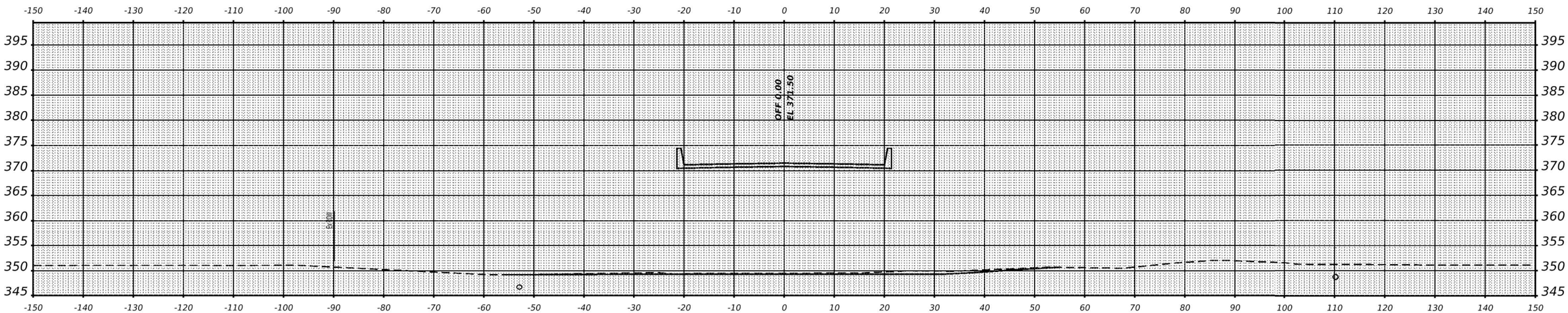
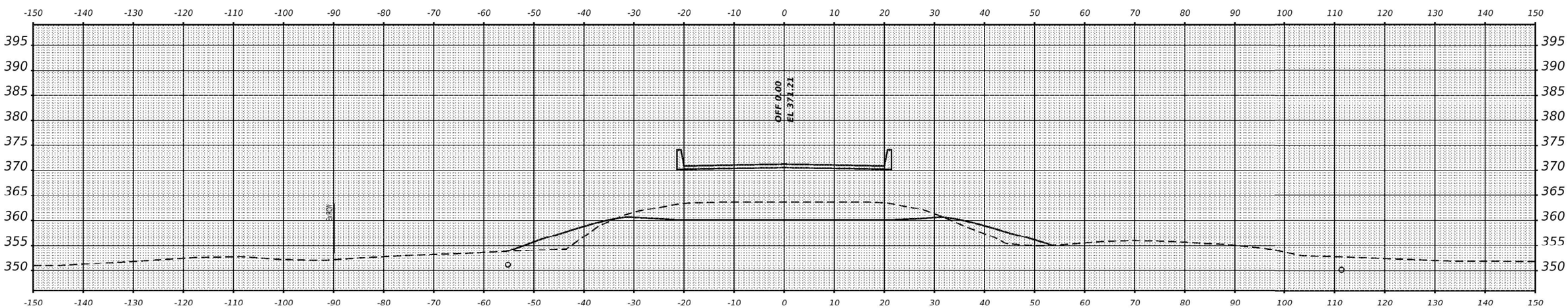


STA 704+00.00



STA 703+50.00

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

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

MODE: - XS US45 - 703+50.00 R2 [Sheet]
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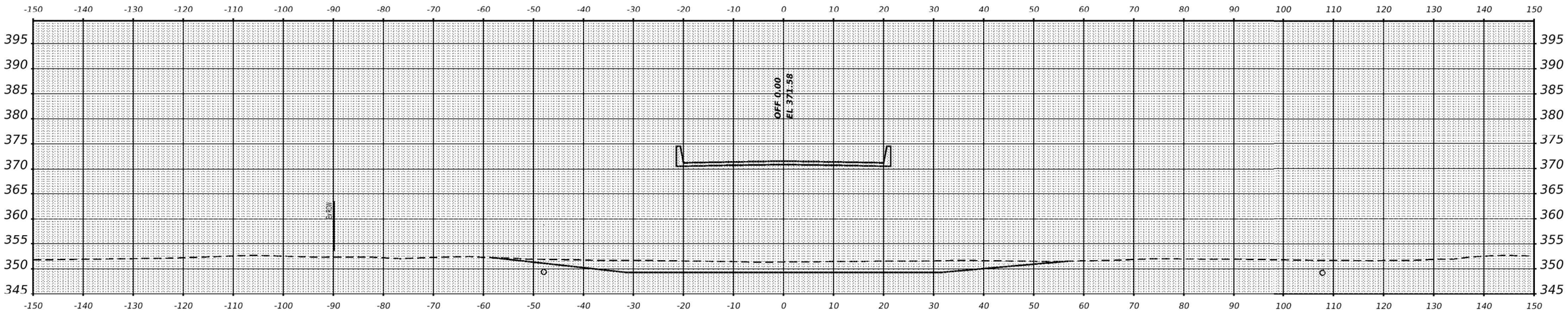
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 11 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	128
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	



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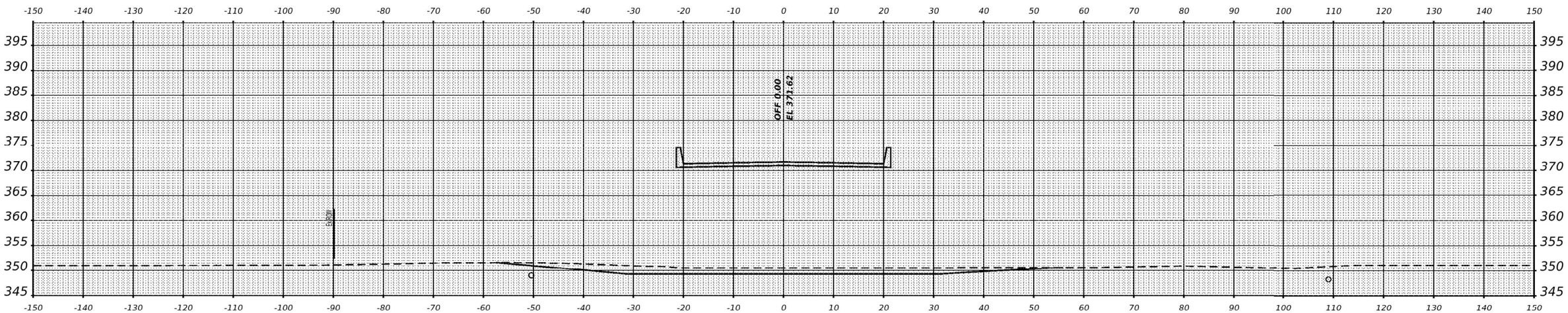

STA 704+50.00

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

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

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

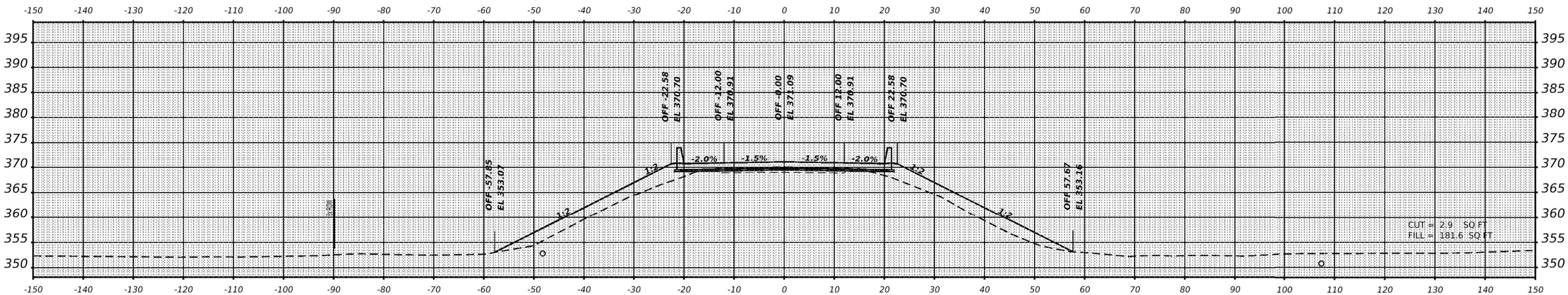
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 12 OF 33 SHEETS | STA.

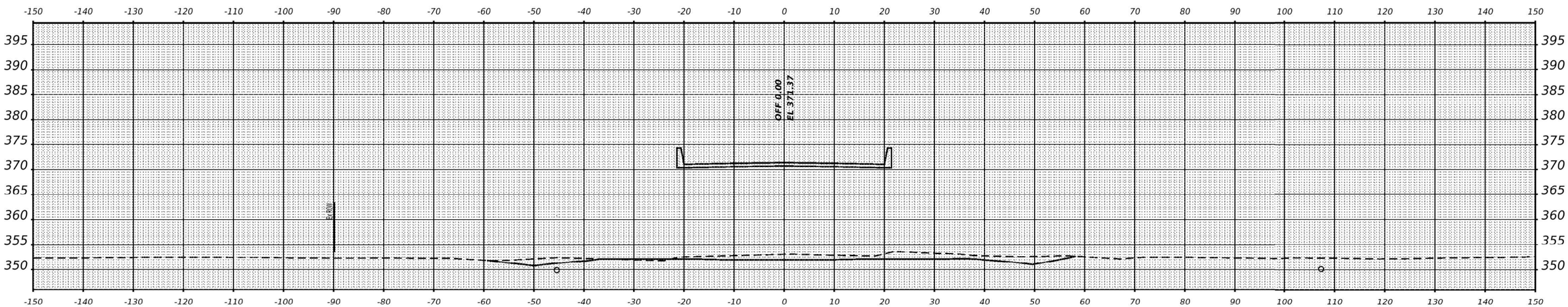
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	129

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT



STA 705+87.84



STA 705+50.00

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PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 13 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	130
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	

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

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

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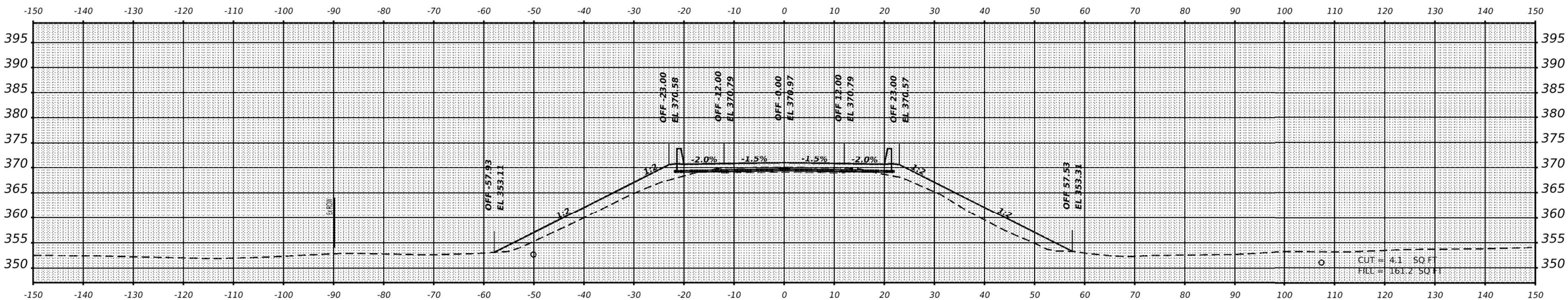

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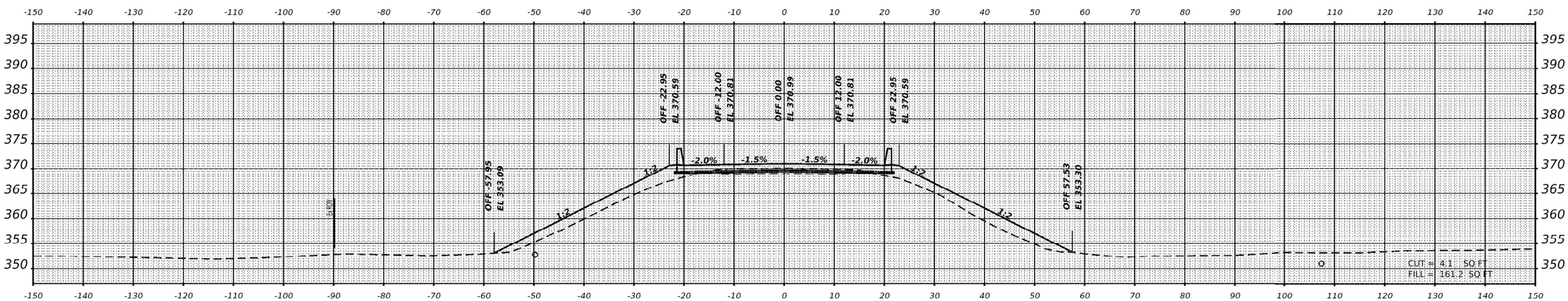

STA 706+00.00

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 14 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	131
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	

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

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

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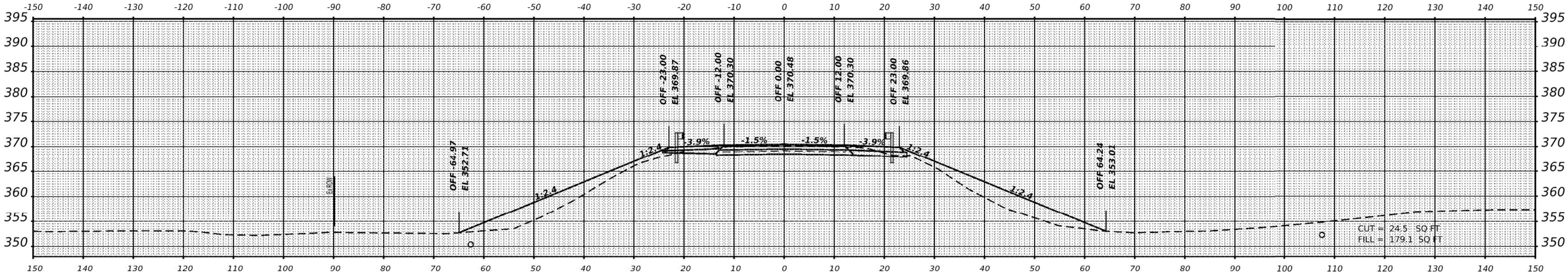

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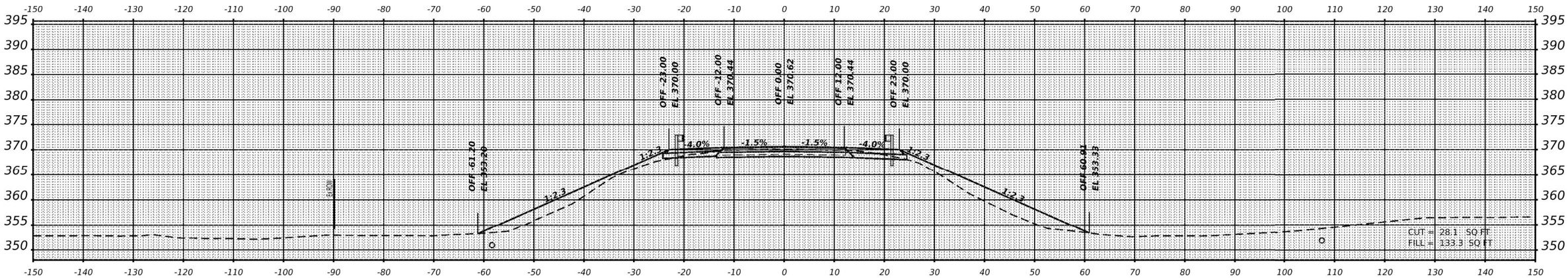

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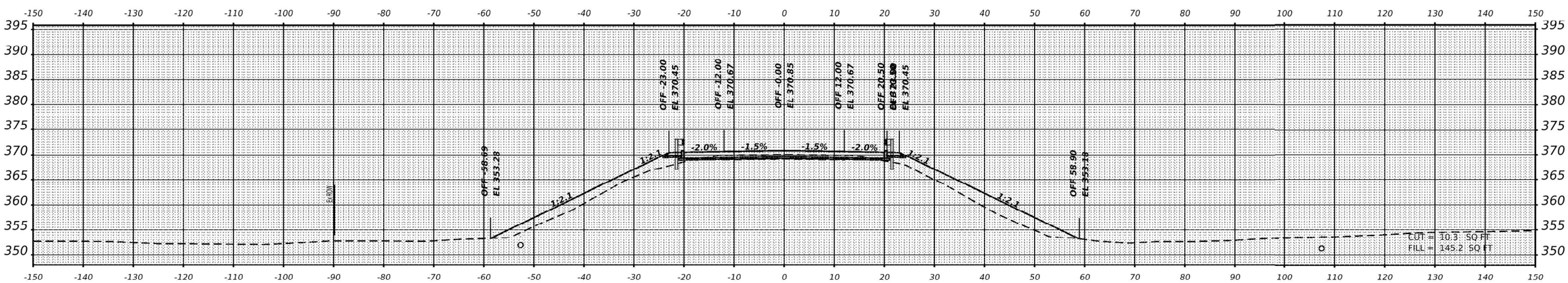

STA 706+16.84

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

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

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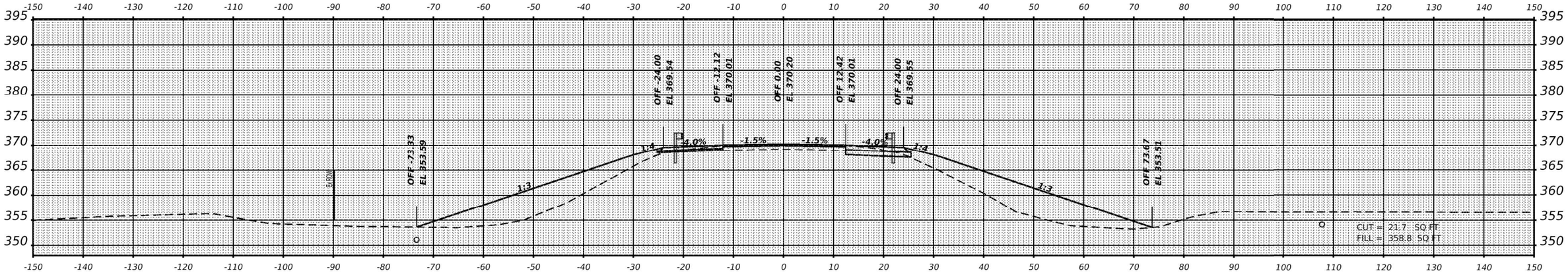
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

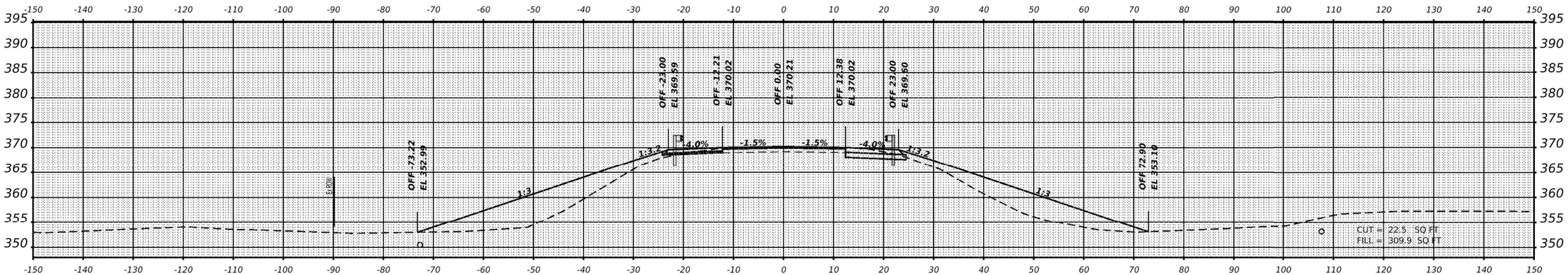
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 15 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	132
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	



STA 708+00.00



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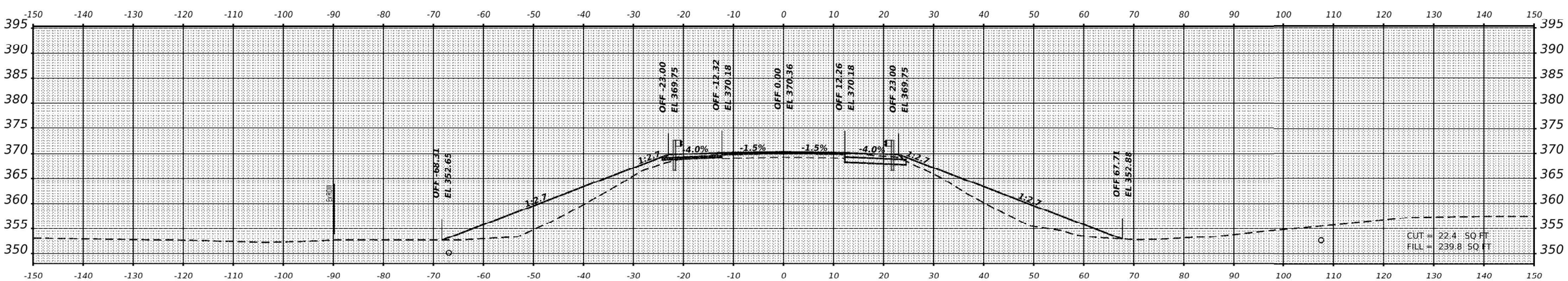

STA 707+00.00

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

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

MODE: XS US45 - 707+00.00 R2 [Sheet]
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PLOT DATE = 11/11/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

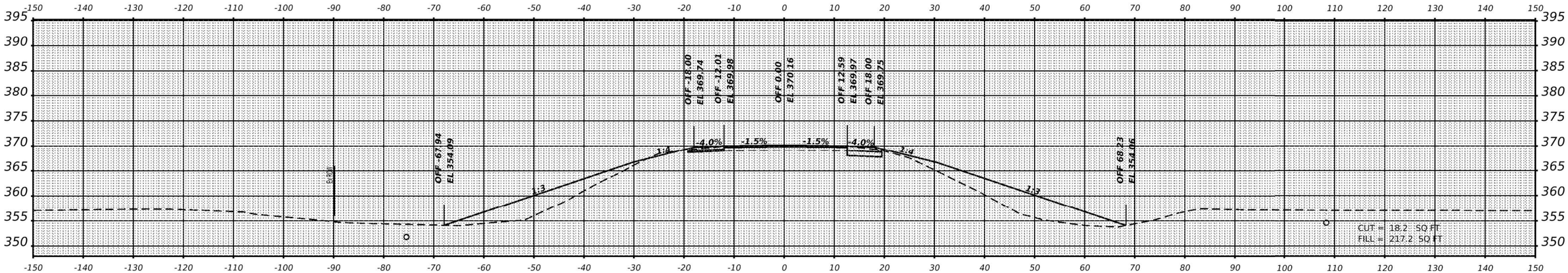
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 16 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	133

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT



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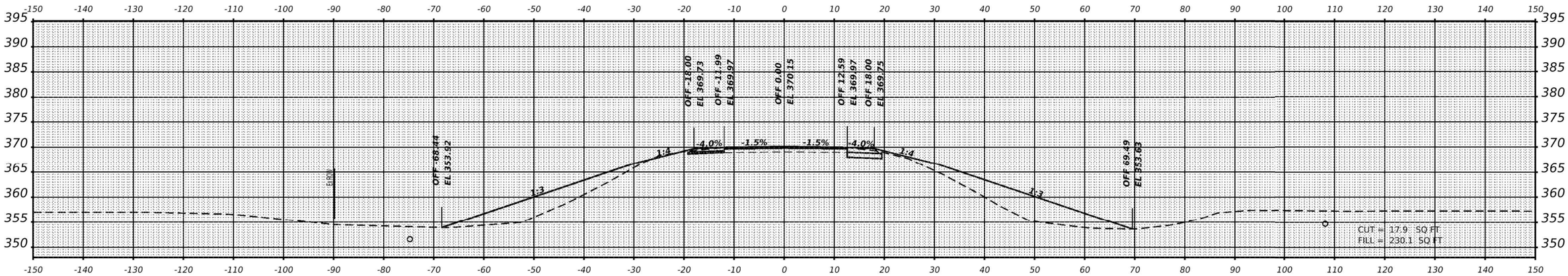

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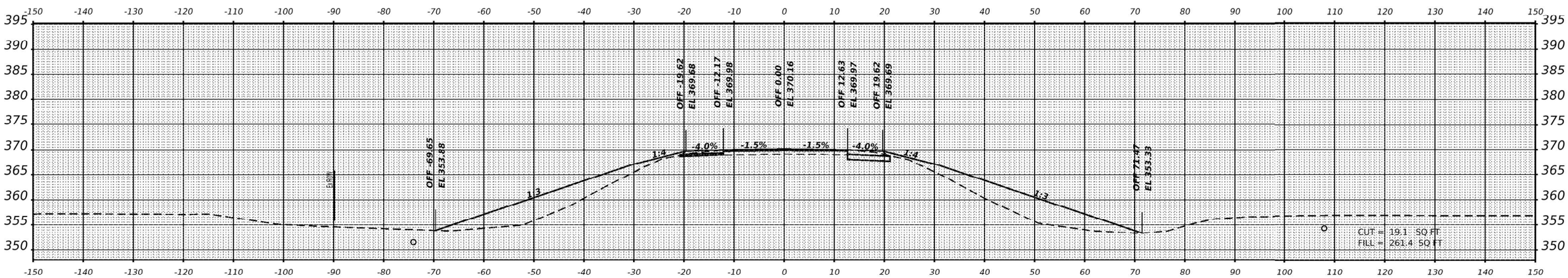

STA 708+50.00

USER NAME = moverbey	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 17 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	134

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

MODE.: XS US45 - 708+50.00 R2 [Sheet]
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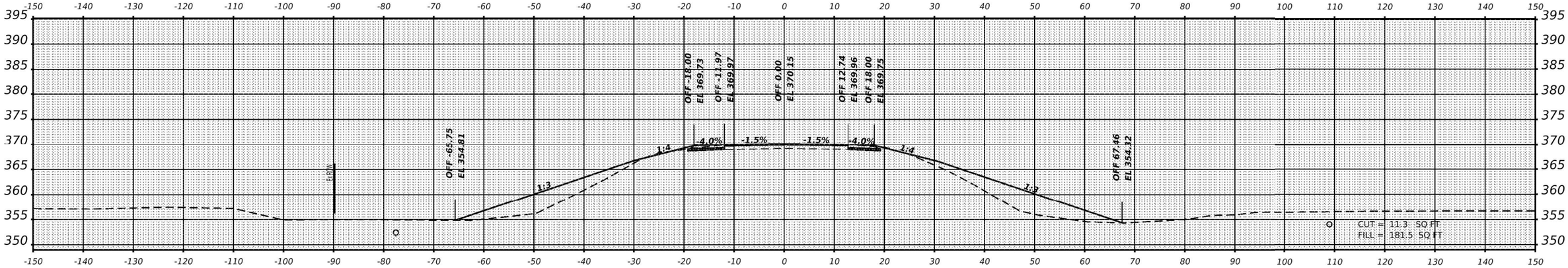

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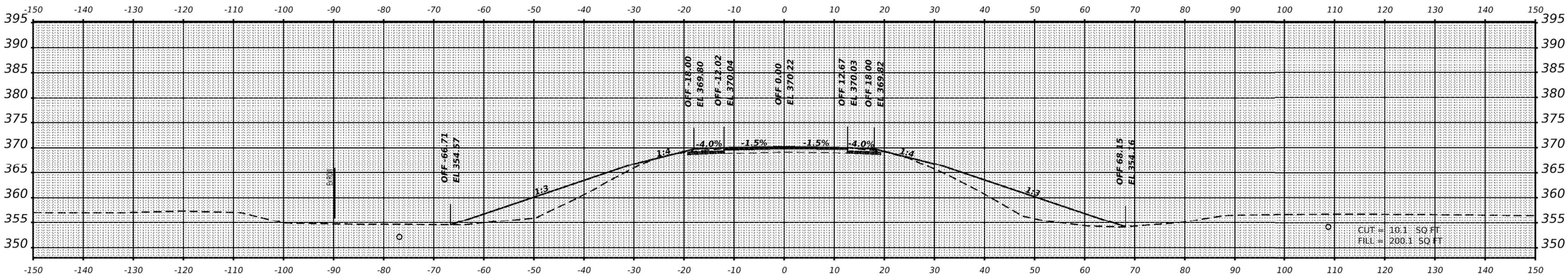

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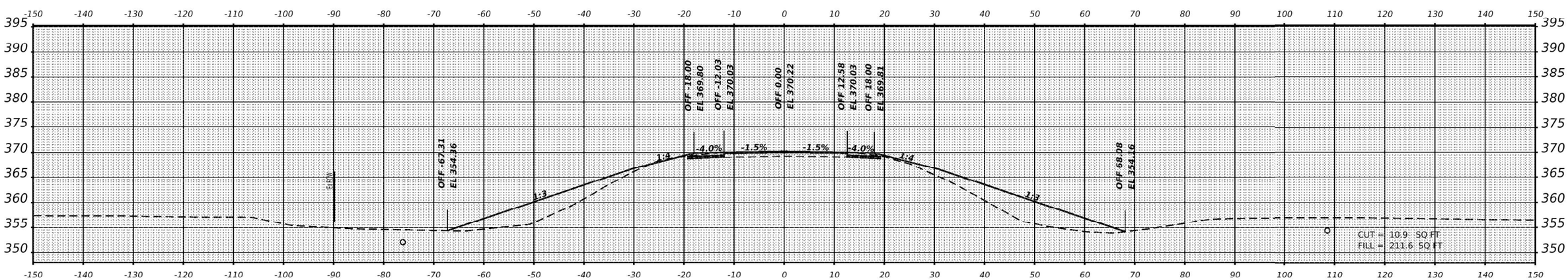

STA 710+00.00

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

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

MODE: XS US45 - 710+00.00 R2 [Sheet]
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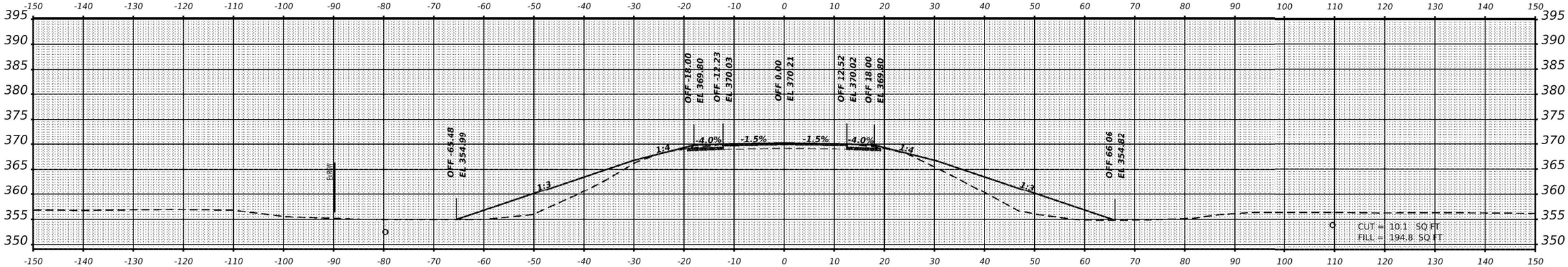
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

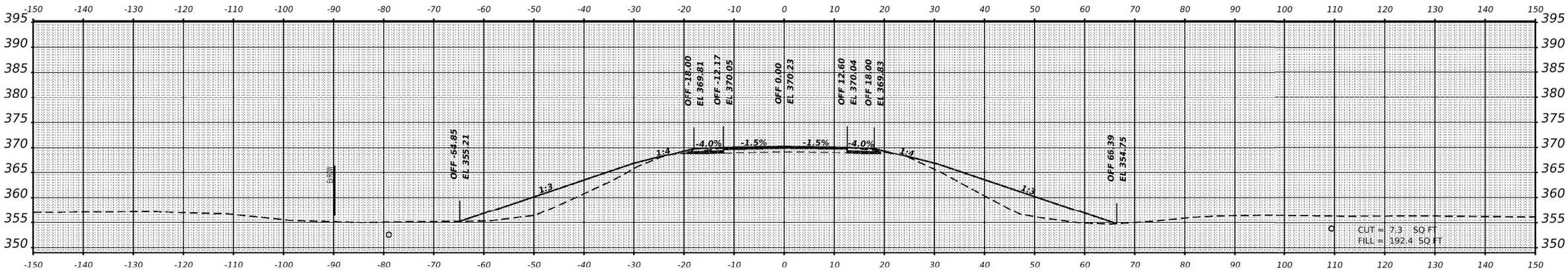
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 18 OF 33 SHEETS | STA.

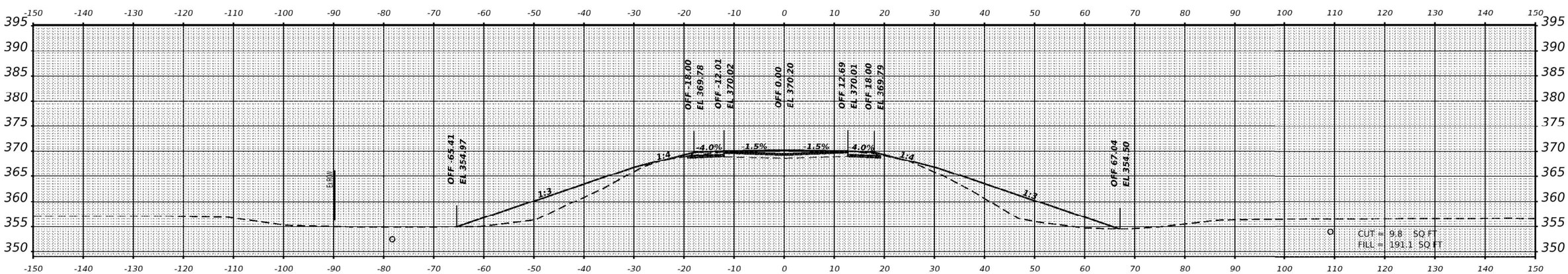
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	135
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	



STA 712+50.00



STA 712+00.00



STA 711+50.00

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

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

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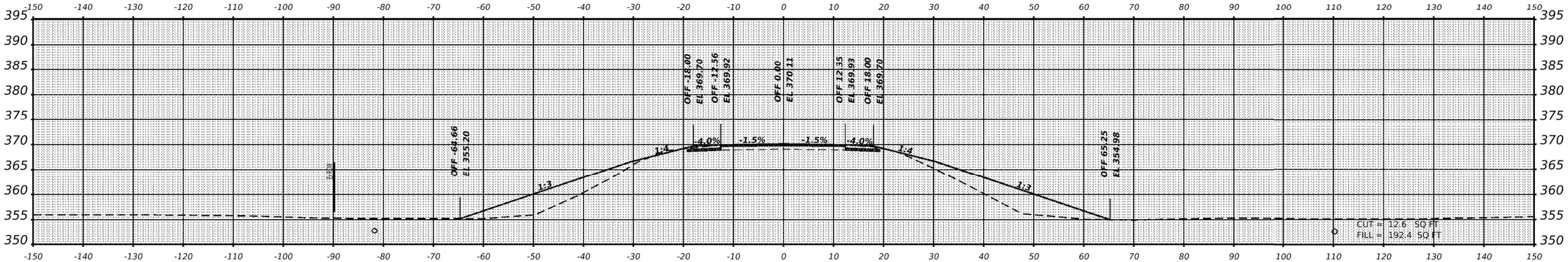
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 19 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	136
		CONTRACT NO. 78716		
	ILLINOIS	FED. AID PROJECT		



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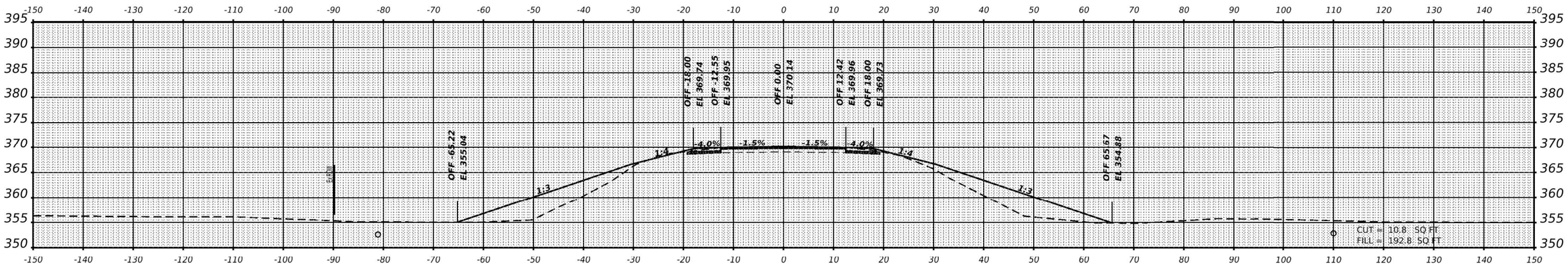
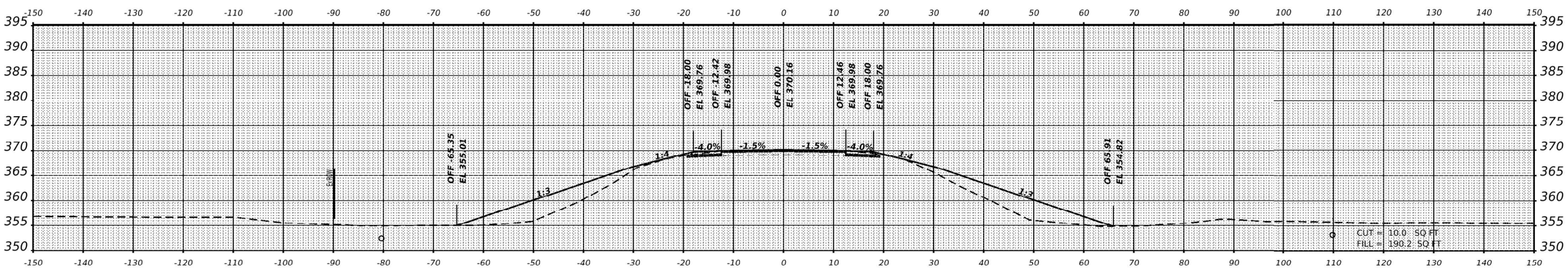


STA 713+50.00



STA 713+00.00

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

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

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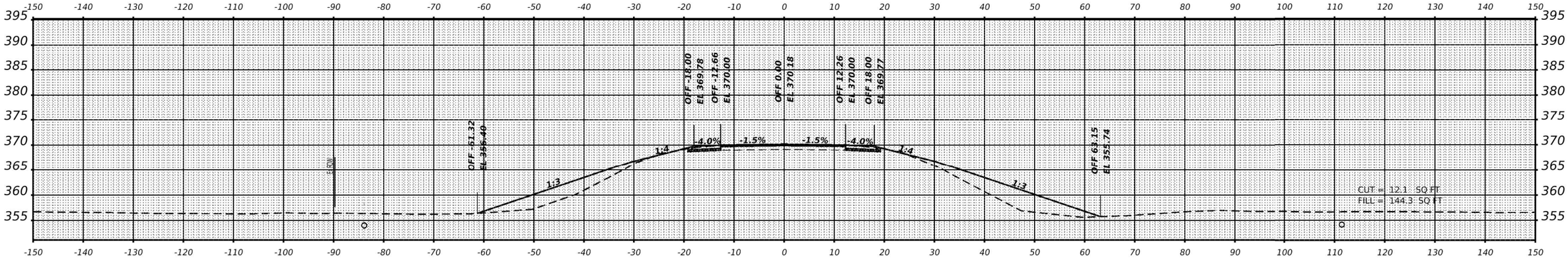
	DRAWN -	REVISED -	
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 20 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	137
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	



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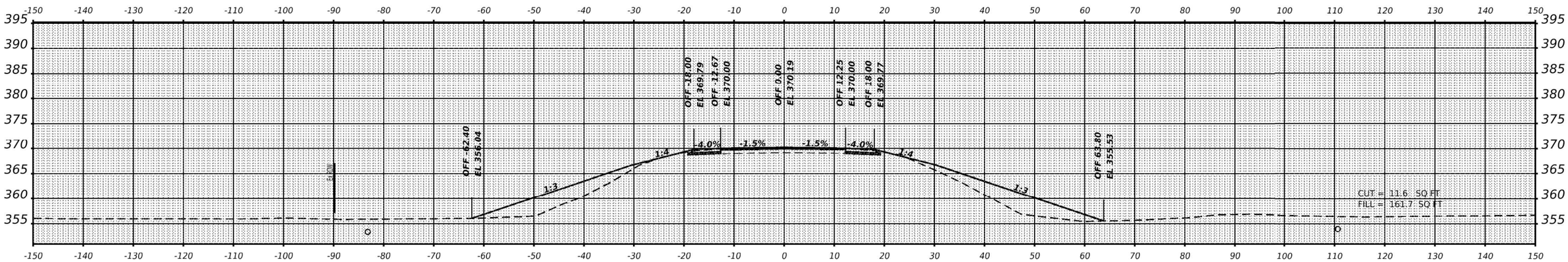

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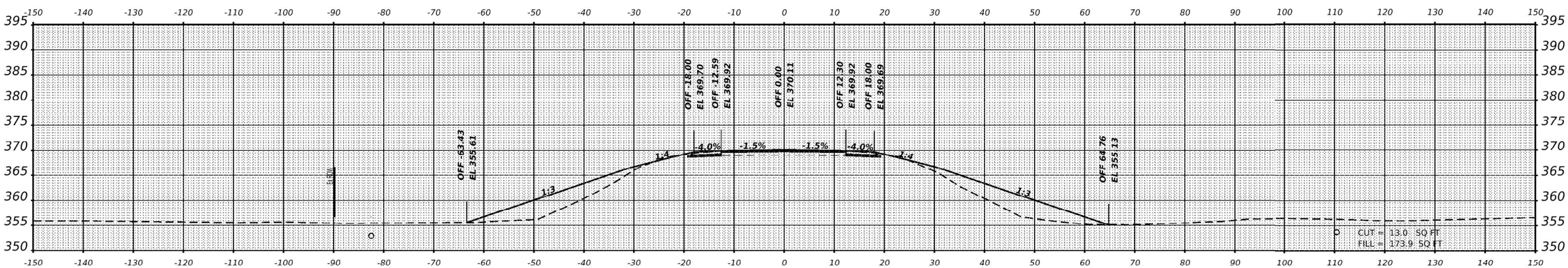

STA 714+50.00

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

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

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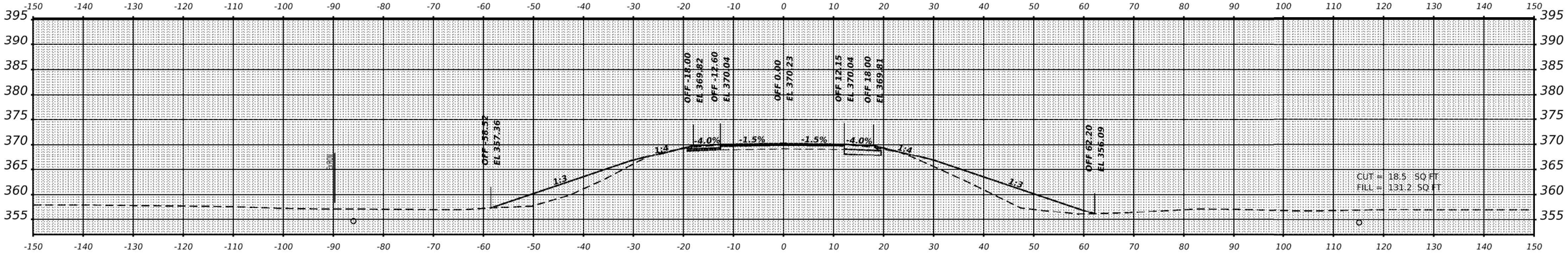
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

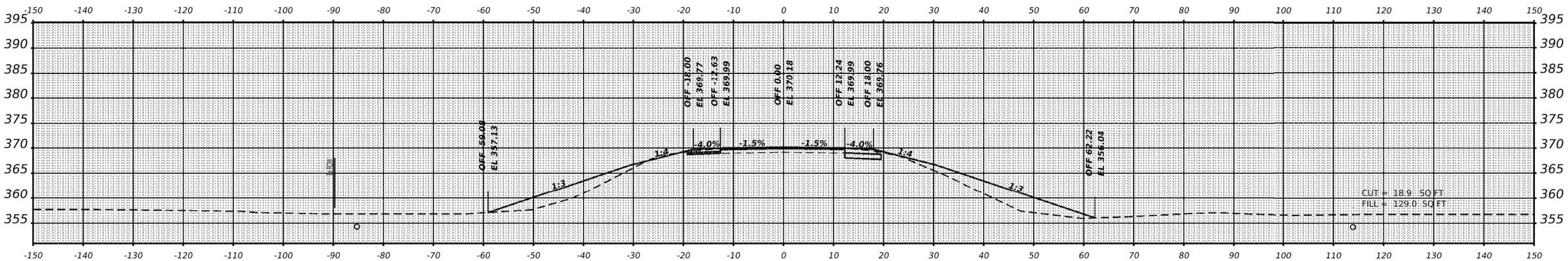
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 21 OF 33 SHEETS | STA.

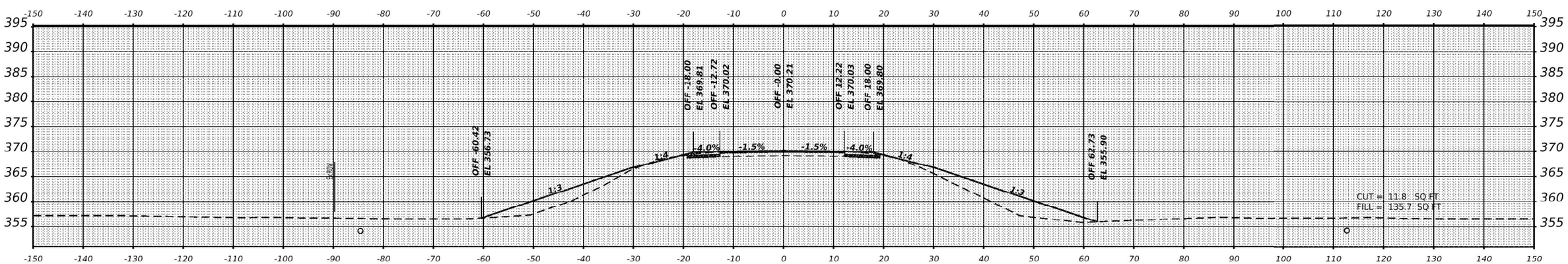
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	138
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	



STA 717+00.00



STA 716+50.00



STA 716+00.00

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

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

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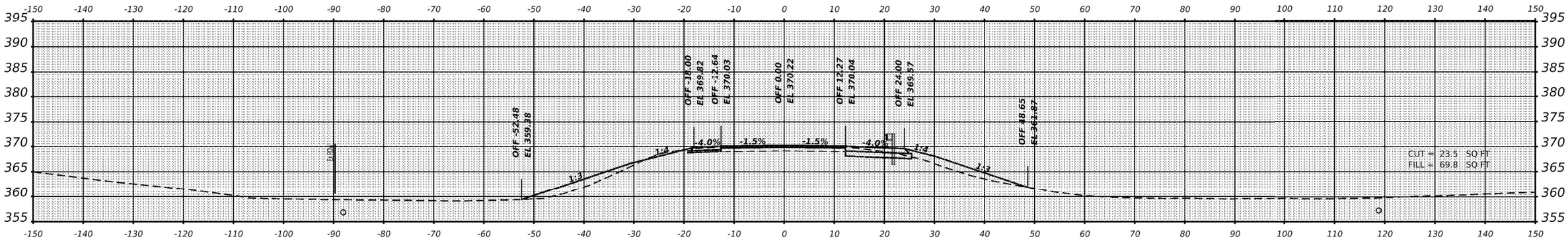
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

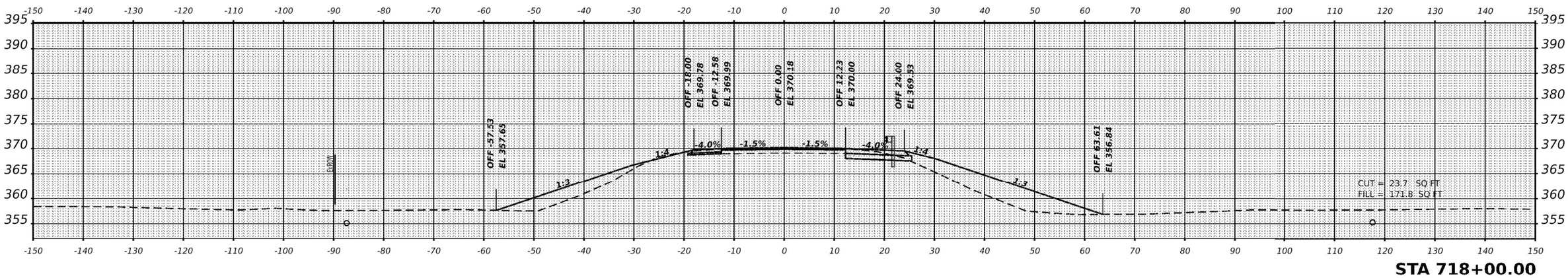
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 22 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	139
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	



STA 718+50.00



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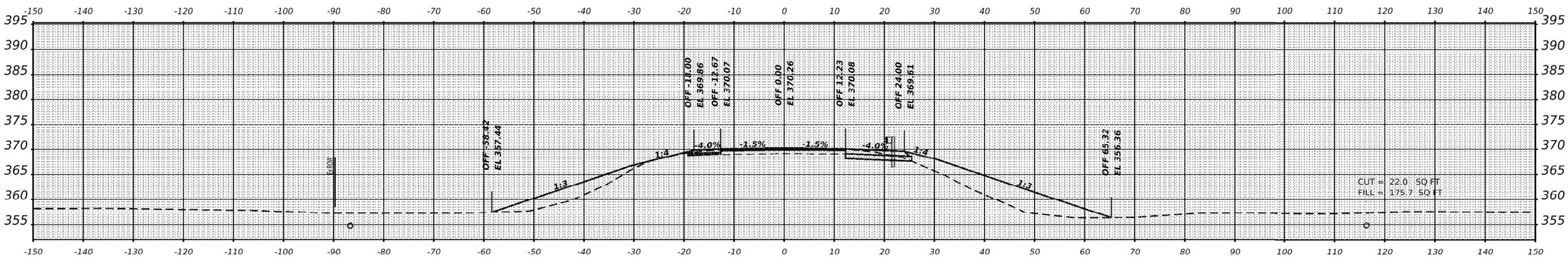

STA 717+50.00

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 23 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	140
		CONTRACT NO. 78716		
	ILLINOIS	FED. AID PROJECT		

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

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

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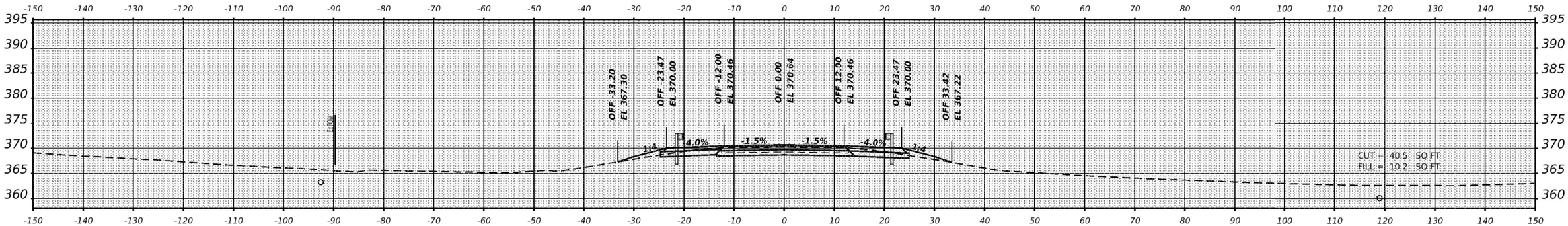
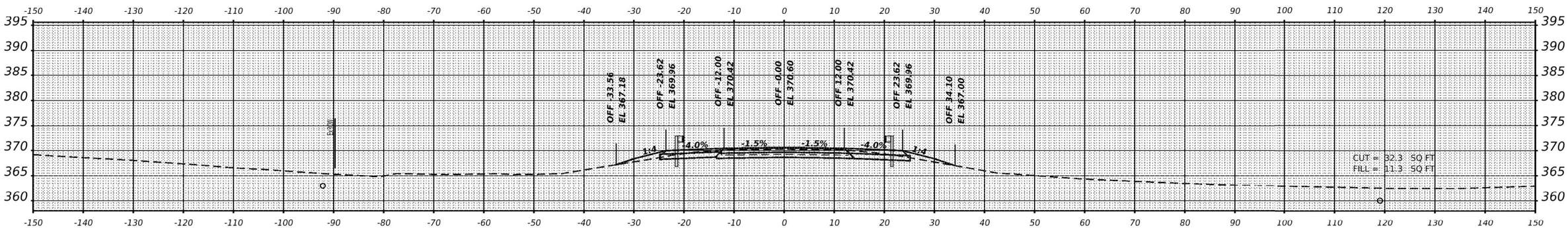


STA 719+50.00



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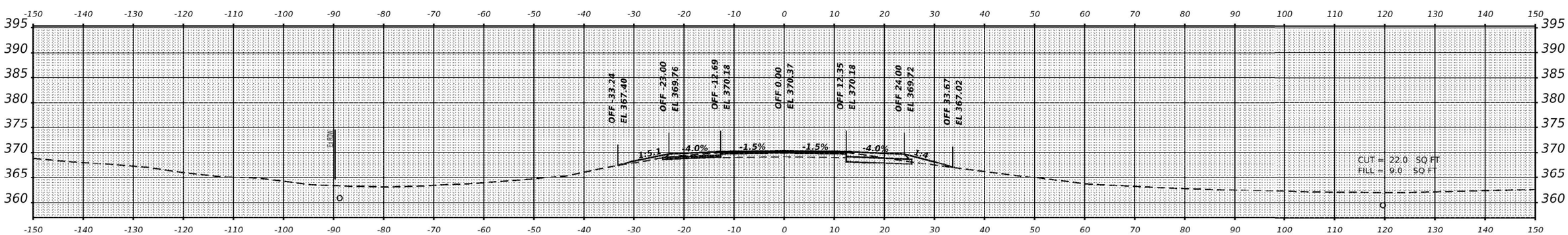

STA 719+00.00

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 24 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	141

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

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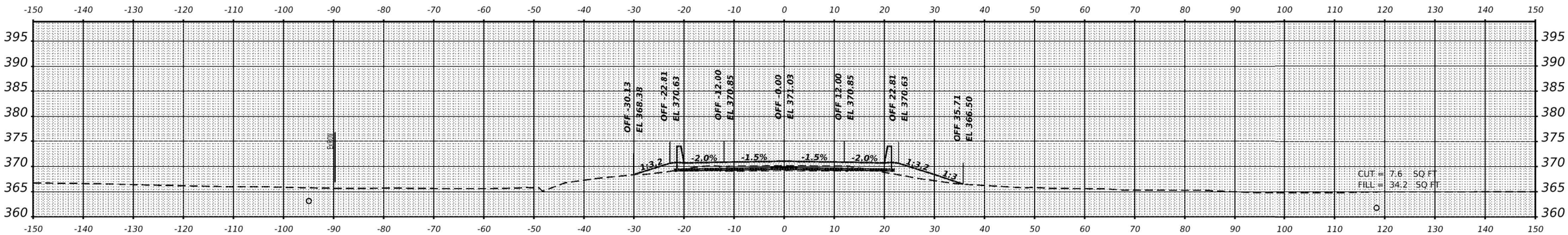
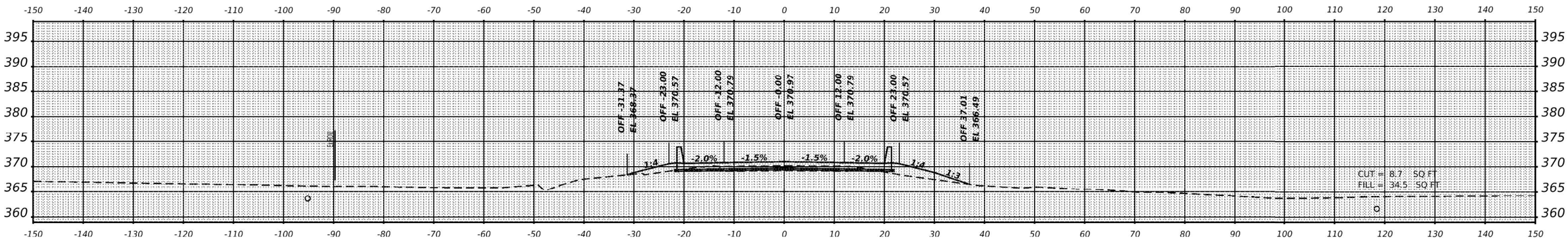


STA 720+00.00



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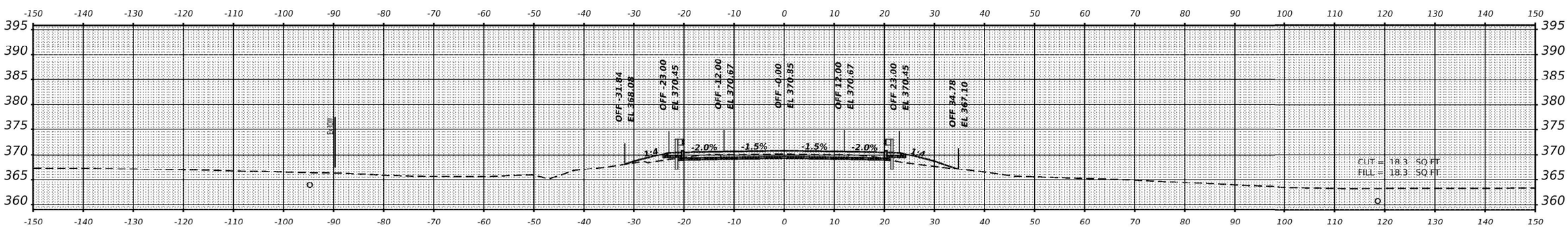

STA 719+78.50

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 25 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	142
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	

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

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

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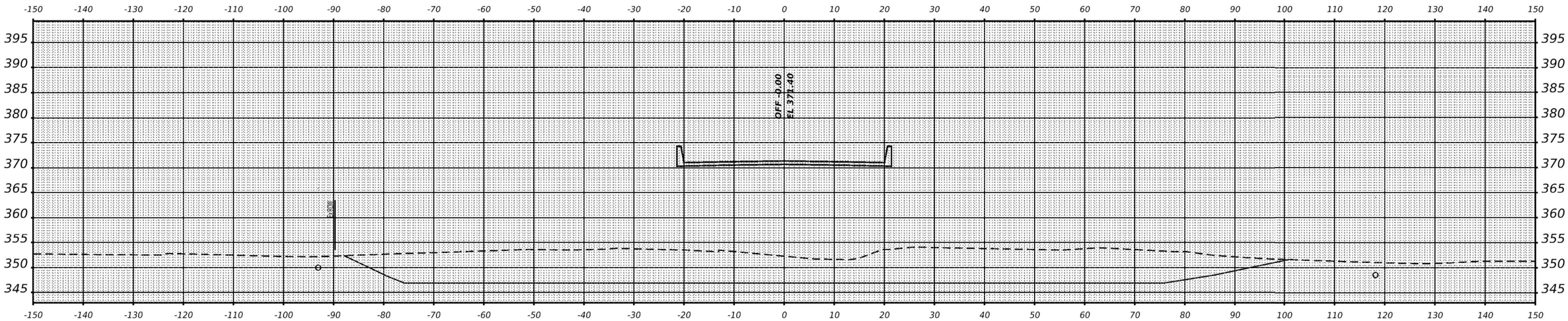

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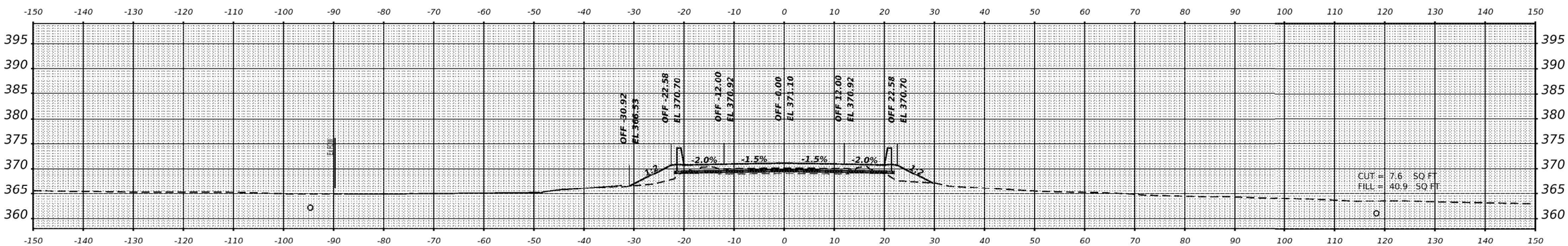

STA 720+07.50

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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 26 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	143
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	

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

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

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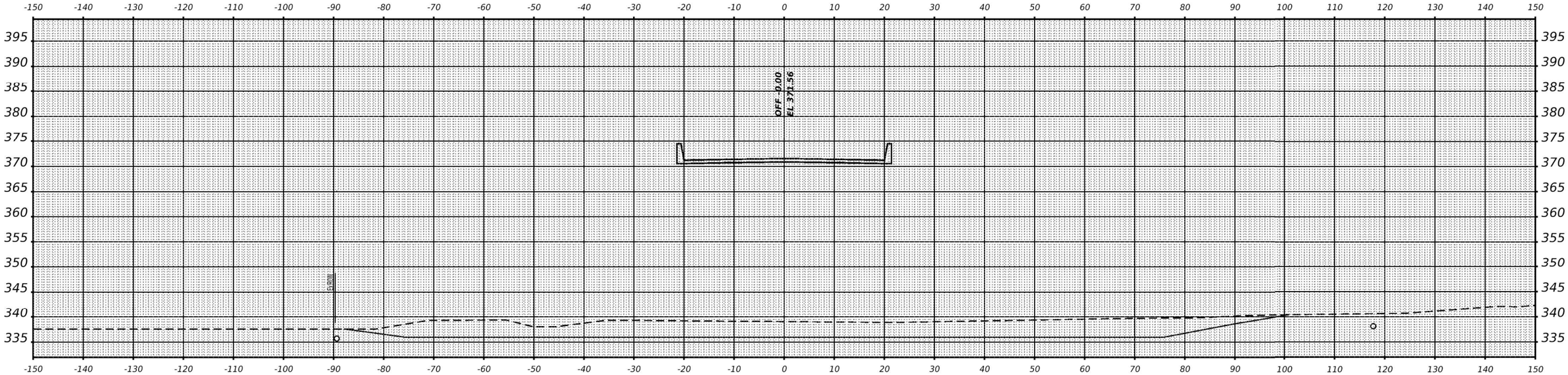
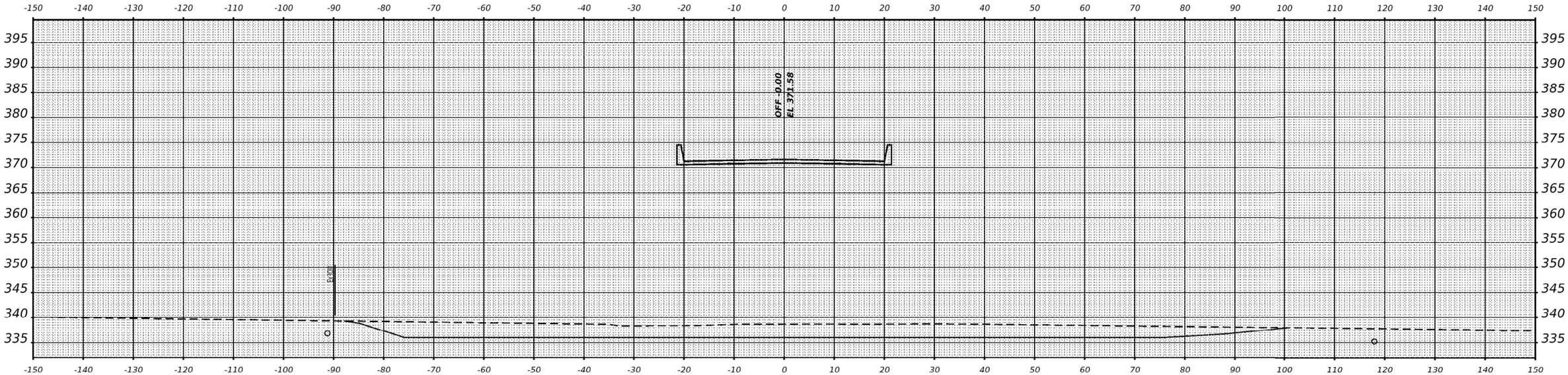


STA 721+50.00



STA 721+00.00

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

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

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	DRAWN -	REVISED -	
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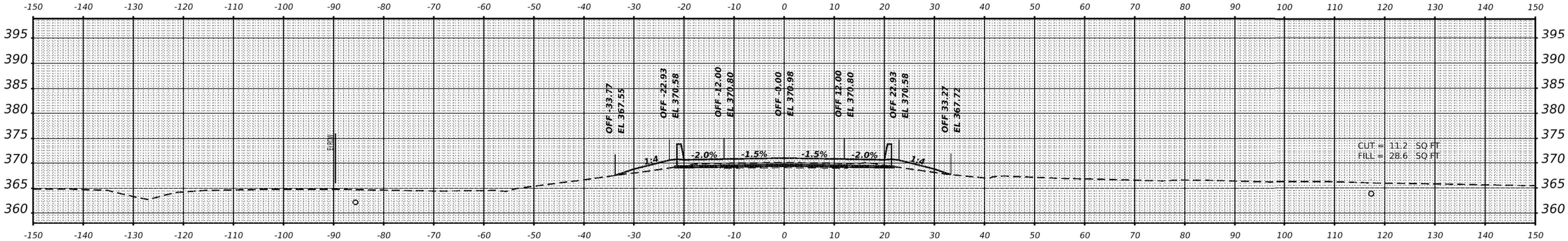
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 27 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	144
		CONTRACT NO. 78716		
	ILLINOIS	FED. AID PROJECT		



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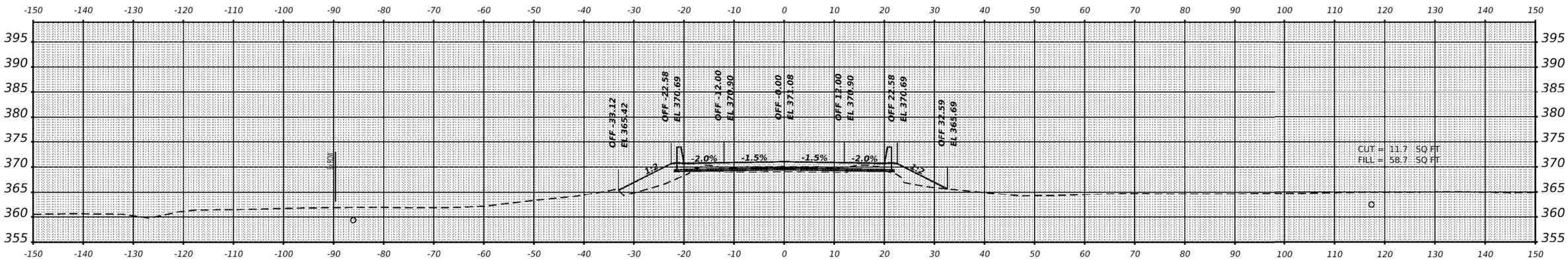
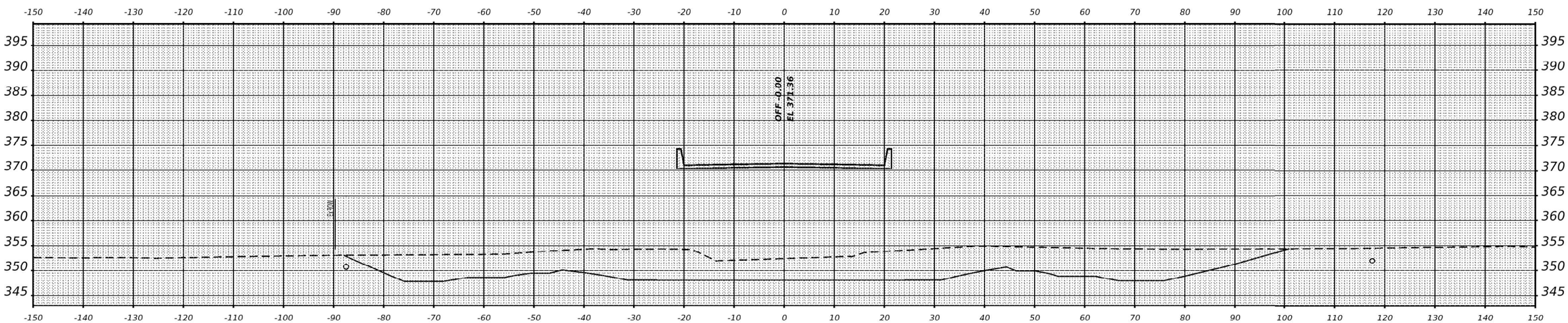


STA 722+38.50



STA 722+00.00

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	DRAWN -	REVISED -	
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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 28 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	145
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	

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

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

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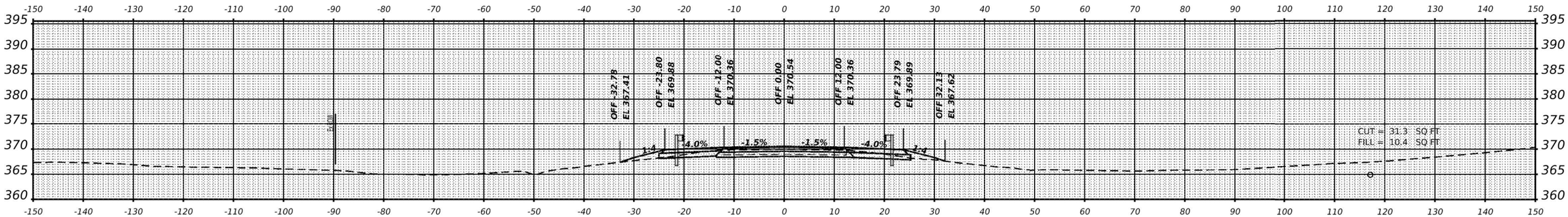

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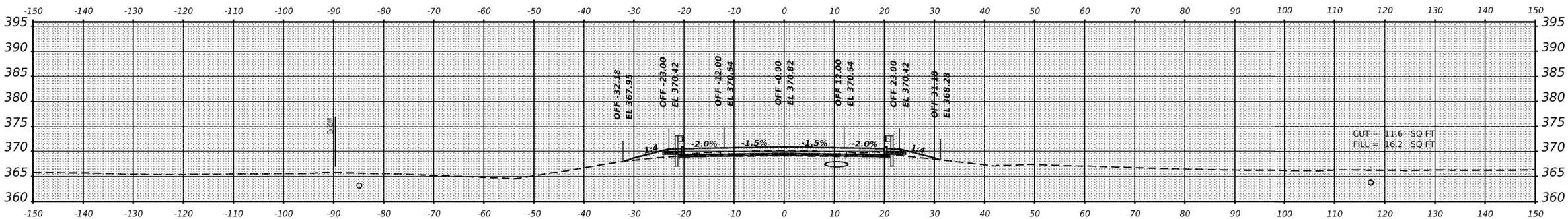
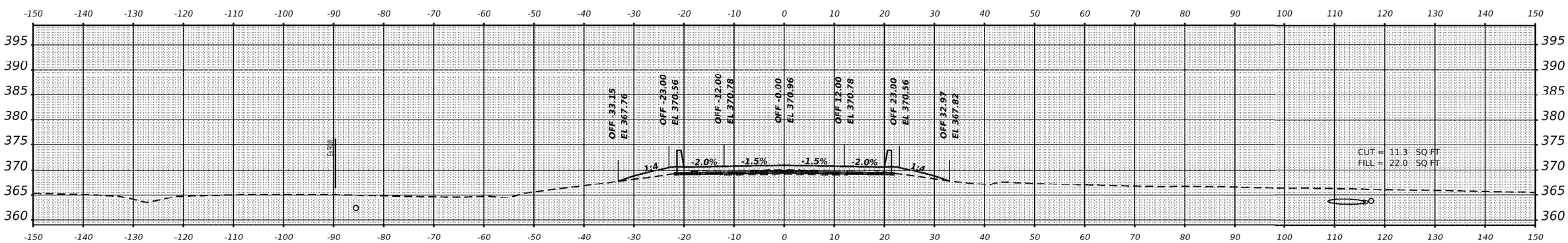


STA 722+67.50



STA 722+52.50

USER NAME = moverbey	DESIGNED -	REVISED -	
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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 29 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	146

CONTRACT NO. 78716

ILLINOIS | FED. AID PROJECT

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

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

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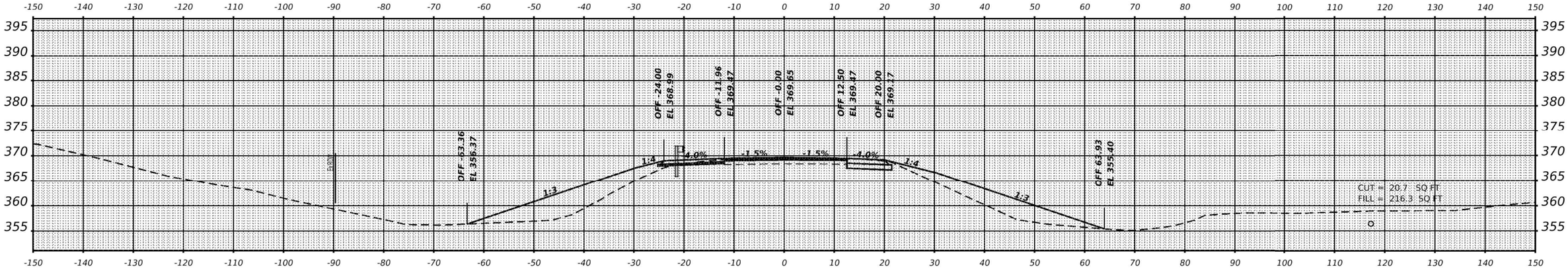
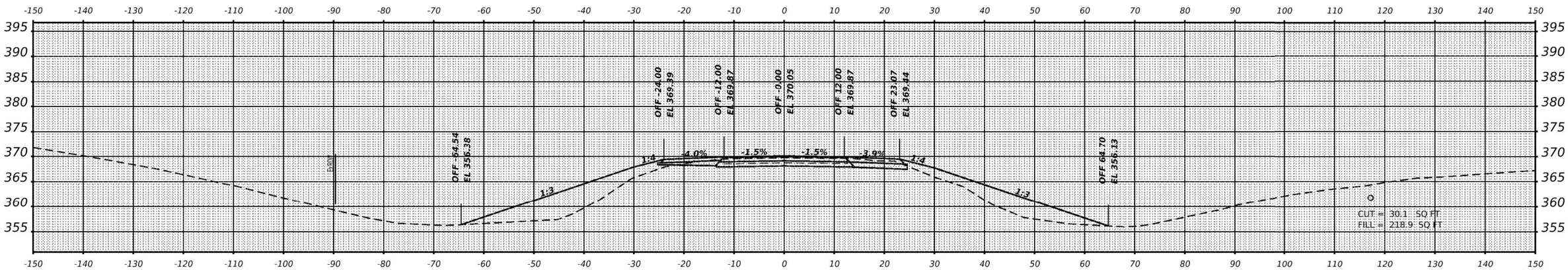


STA 724+00.00



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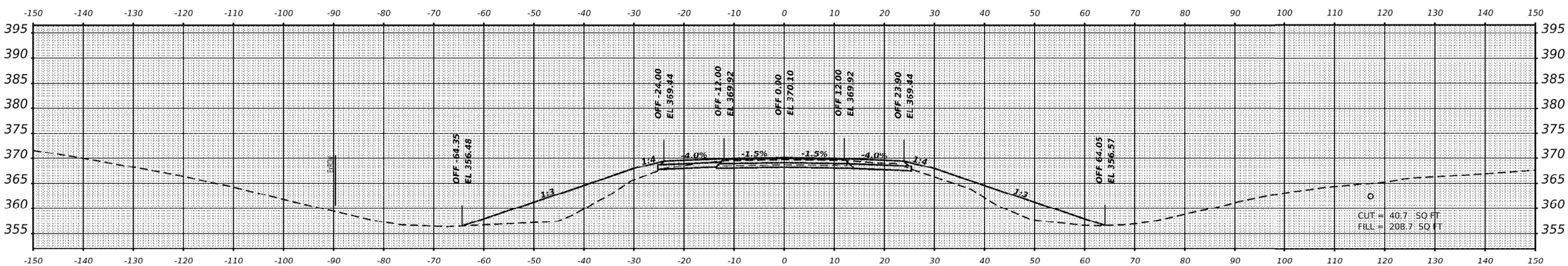

STA 723+50.00

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	DRAWN -	REVISED -	
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PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 30 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	147
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	

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

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

MODE: - XS US45 - 723+50.00 R2 [Sheet]
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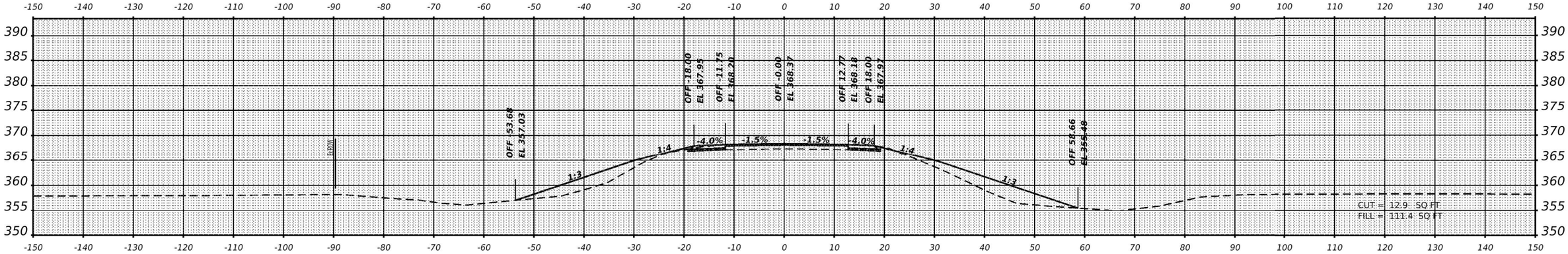

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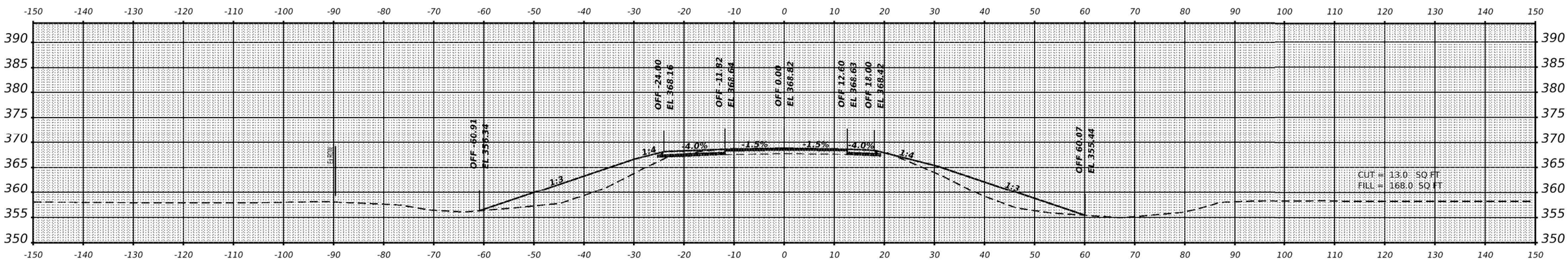

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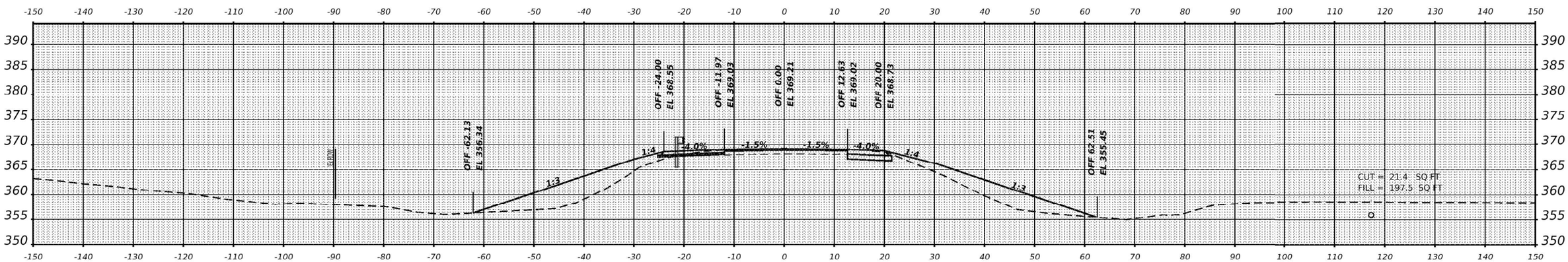

STA 724+50.00

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

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

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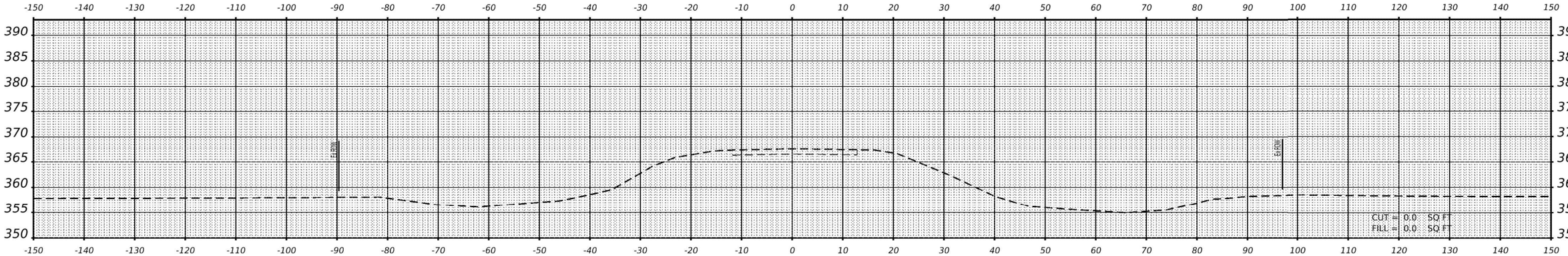
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 11/11/2022	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

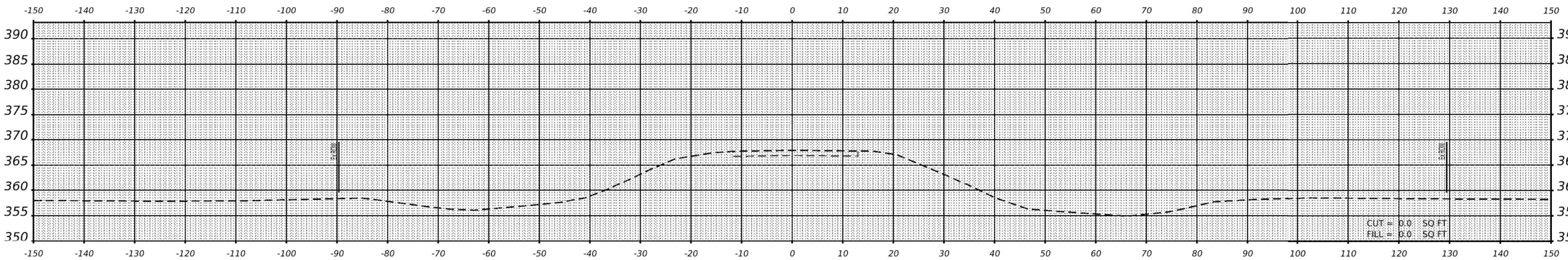
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 31 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	148
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	



STA 726+50.00



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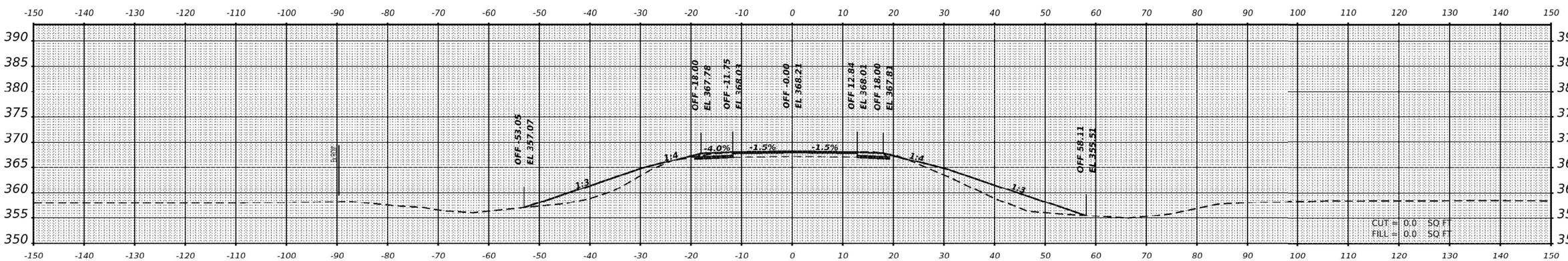

STA 725+67.50

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

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

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	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

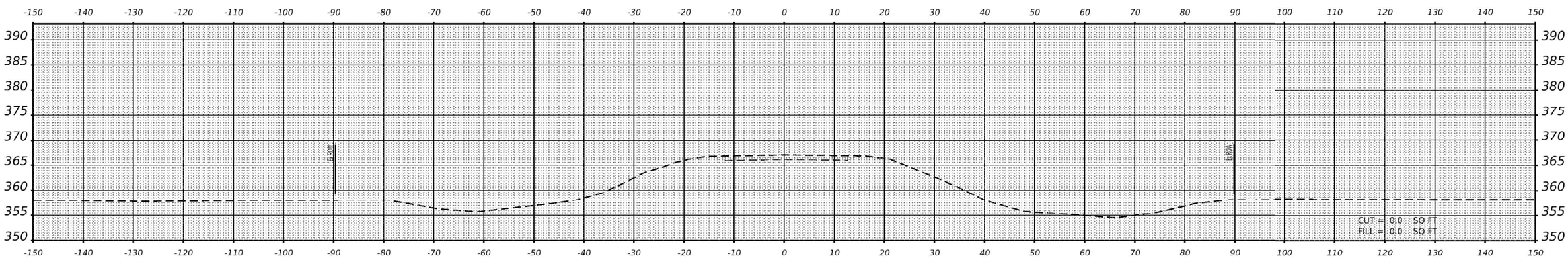
F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 32 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	149
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	

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

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



STA 727+00.00

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USER NAME = moverbey	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 11/11/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. 332 (U.S. ROUTE 45)
CROSS SECTIONS

SCALE: 1" = 10' | SHEET 33 OF 33 SHEETS | STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	29B-3; 29B-4	SALINE	150	150
		CONTRACT NO. 78716		
		ILLINOIS	FED. AID PROJECT	