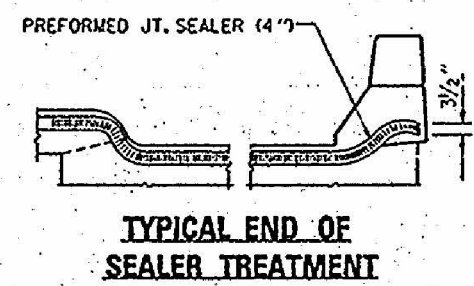
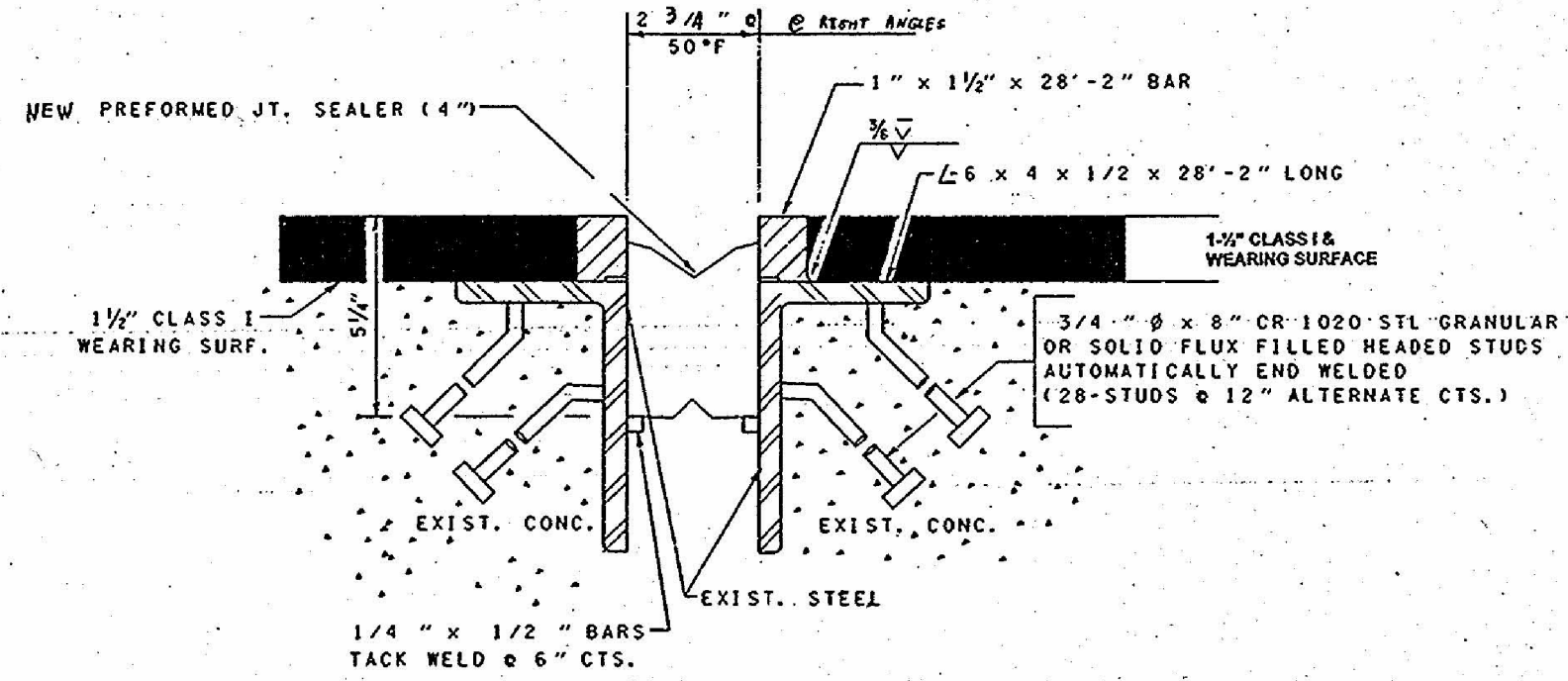
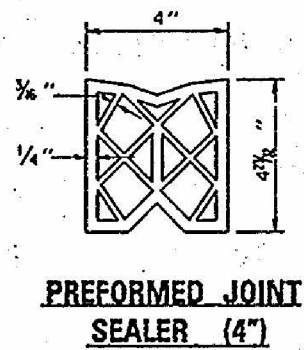


Sheet No. 6 of 6	LAY NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05	55-4R&I	LIVINGSTON	242	101
	STA.	BB STA.			
	FILED DATE	DATE	FILED NAME		



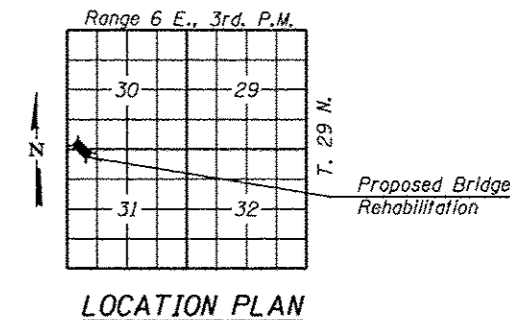
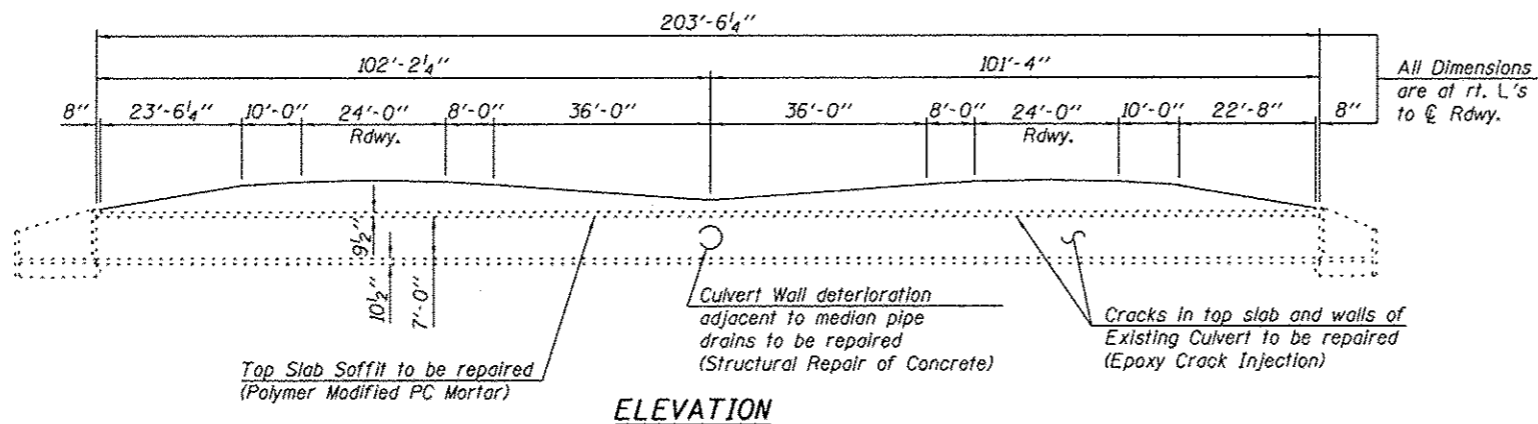
FOR INFORMATION ONLY

EXPANSION JOINT RESEALING DETAILS
S.N. 053-0135

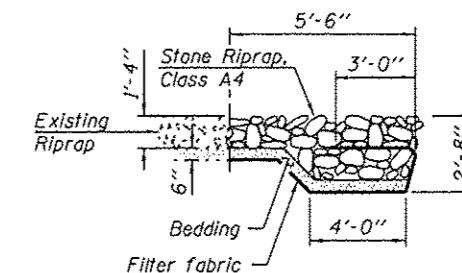
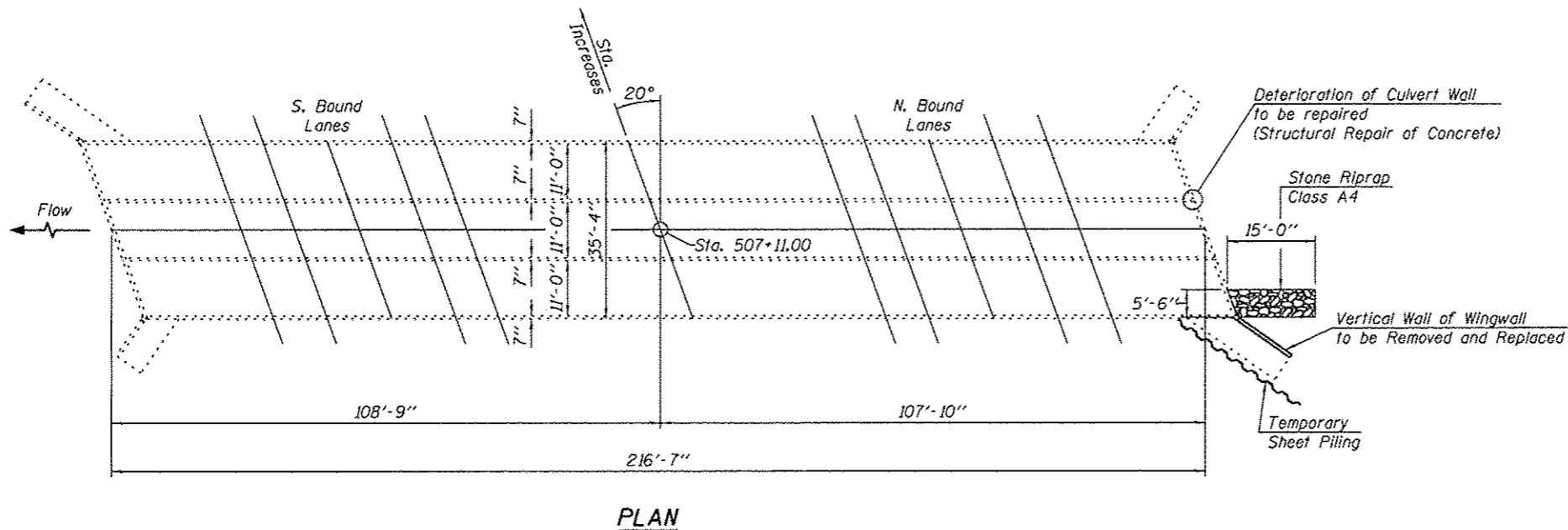
Existing Structure: SN 053-2017 is a triple barrel 11' x 7' reinforced concrete box culvert constructed in 1975 as Section 53-4B in Project I-55-5(68)193. Stone riprap was placed in the channel at the culvert inlet in 2000 as Section (53-4, 5) RS in Project ACIM-55-5(98)195. Portions of the southwest wingwall will be removed and replaced, and repairs will be made to the culvert barrel slabs and walls. The structure will remain open to traffic during construction.

SCOPE OF WORK

1. After placing Temporary Sheet Piling, remove vertical wall of the southwest wingwall and replace with new reinforced concrete wall anchored to the existing wingwall footing.
2. Epoxy crack injection to be utilized to repair cracks in the slabs and walls of the existing reinforced concrete box culvert barrels.
3. Repair delaminated areas on the underside of the top slab using Polymer Modified Mortar Repair.
4. Repair deteriorated areas in exterior culvert walls adjacent to median drain pipes using Formed Concrete Repair.
5. Remove and replace Stone Riprap in channel adjacent to the Southwest Wingwall.



Note: For Soil Boring Log data, see the Existing Plans included with the plan documents for "Information Only."



INDEX OF SHEETS

1. General Plan & Elevation
2. General Notes, Total Bill of Material, Temporary Sheet Piling
3. Wingwall Repair Details
- 4.-6. Culvert Ends & Top Slab Repairs
- 7.-12. Culvert Wall Repairs
- 13.-16. Existing Plans (For Information Only)

John A. Morris 7/22/15
ILLINOIS STRUCTURAL NO. 4277 (Expires 11/30/16)



GENERAL PLAN & ELEVATION
F.A.I. RTE. 55 OVER WOLF CREEK
SECTION (53-4, 5) RS-1 & I
LIVINGSTON COUNTY
STATION 507+11.00
S.N. 053-2017

FILE NAME *	USER NAME * ashaw	DESIGNED - J.A.M.	REVISED -	FEHR GRAHAM ENGINEERING & ENVIRONMENTAL <small>ILLINOIS SECTION FIRM NO. 184-90529</small>	FREEPORT, IL	ROCKFORD, IL	GENERAL PLAN & ELEVATION S.N. 053-2017 SHEET NO. 1 OF 16 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES*		CHECKED - S.F.M.	REVISED -		ROCHELLE, IL	SPRINGFIELD, IL		MONROE, WI	55	(53-4, 5) RS 1 & I	LIVINGSTON	242	102
PLOT SCALE * #SCALE#		DRAWN - A.D.S.	REVISED -							CONTRACT NO. 66F23			
PLOT DATE * 7/15/2015		CHECKED - J.A.M.	REVISED -							ILLINOIS FED. AID PROJECT			

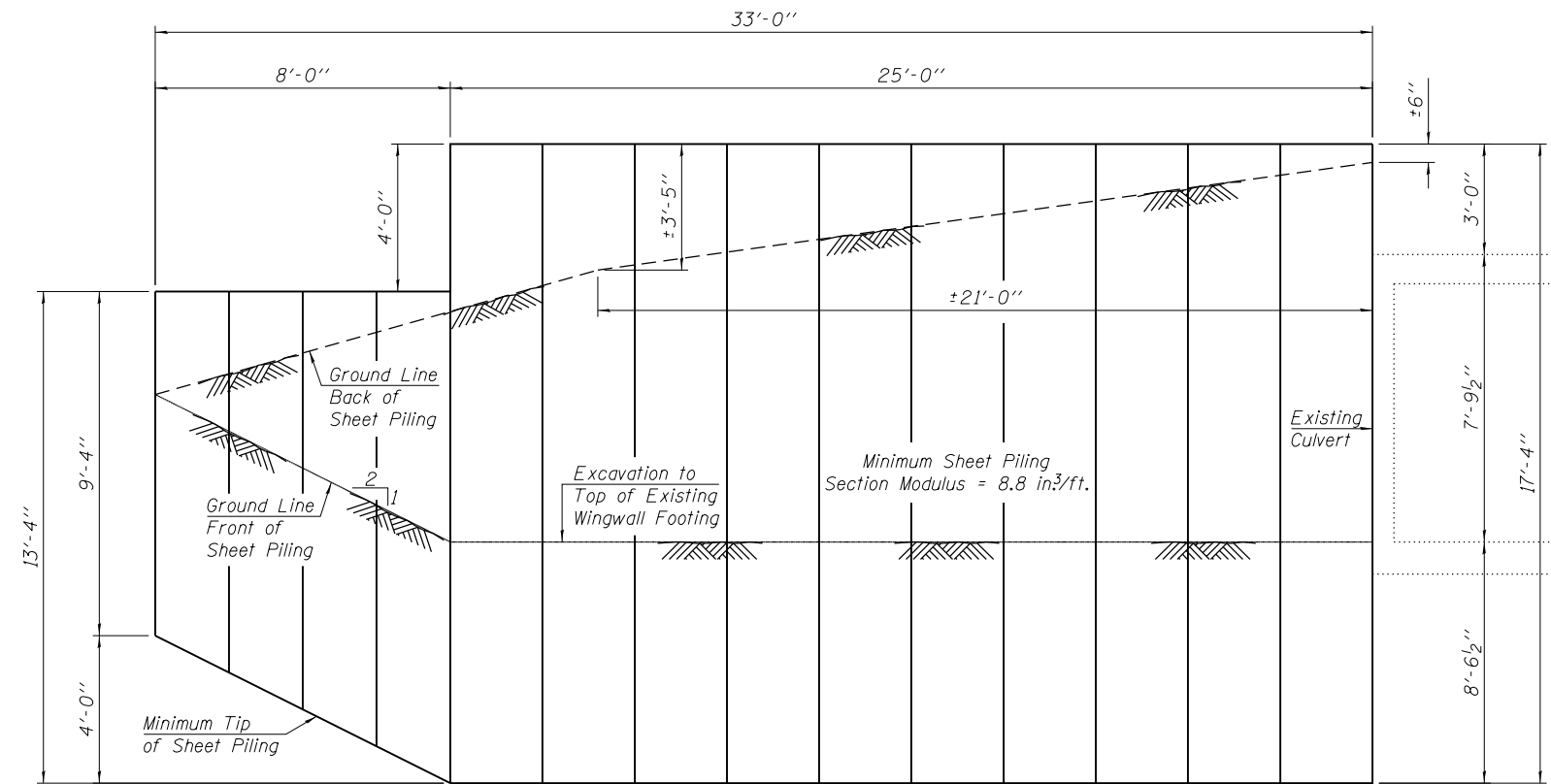
GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Layout of the Stone Riprap in the channel may be varied to suit ground conditions in the field as directed by the Engineer.

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

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

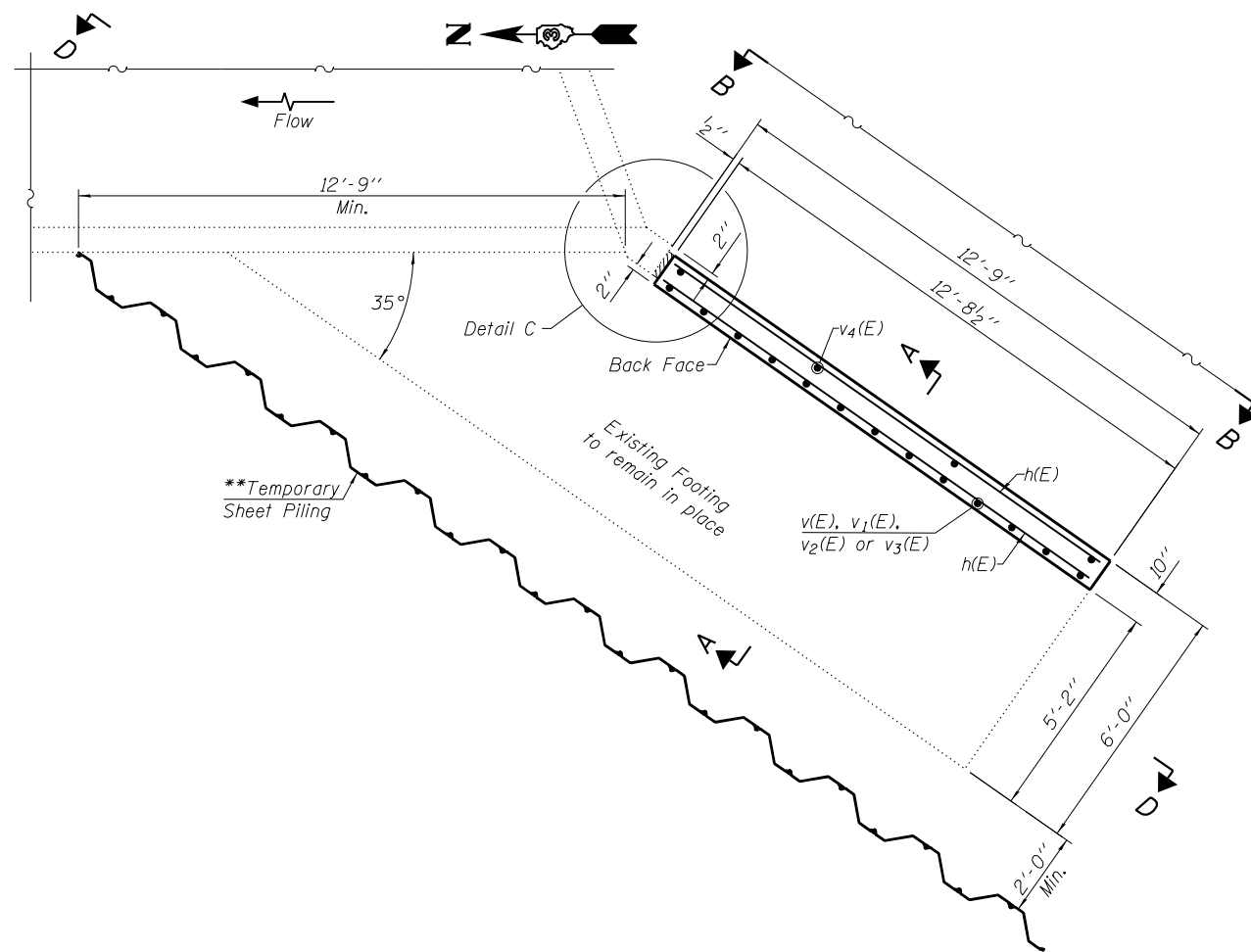


VIEW D-D

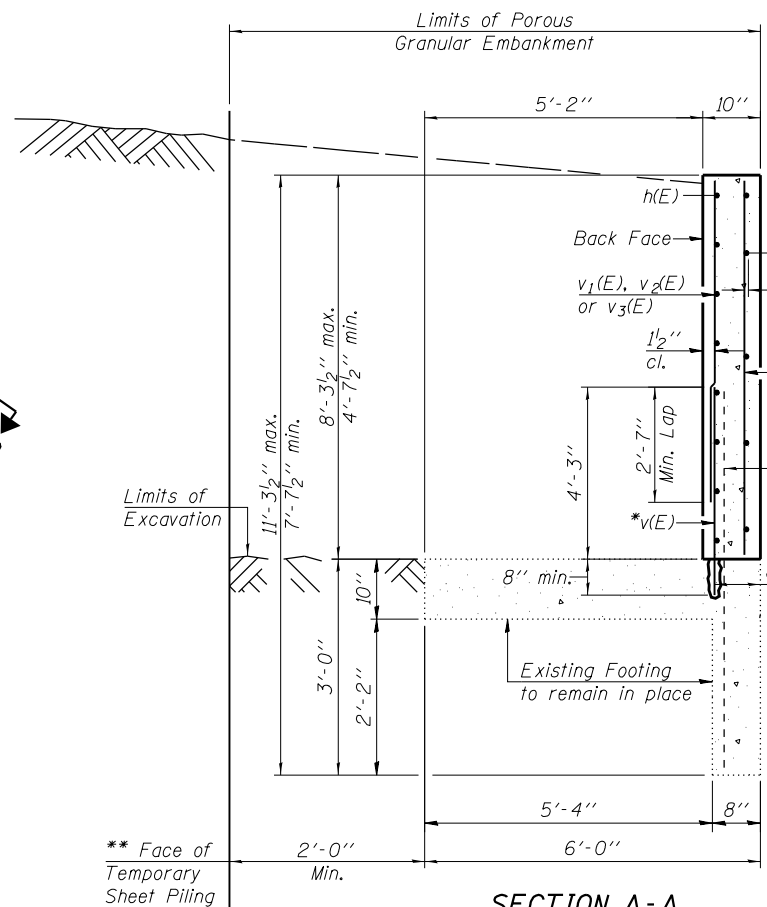
(Elevation of Temporary Sheet Piling.
See sheet 3 of 16 for location of View D-D)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Temporary Sheet Piling	Sq. Ft.	524
Structure Excavation	Cu. Yd.	54
Concrete Removal	Cu. Yd.	2.0
Reinforcement Bars, Epoxy Coated	Pound	320
Concrete Structures	Cu. Yd.	2.5
Epoxy Crack Injection	Foot	101
Structural Repair of Concrete (Depth Equal to or Less than 5")	Sq. Ft.	4
Structural Repair of Concrete (Depth Greater than 5")	Sq. Ft.	22
Polymer Modified Portland Cement Mortar	Sq. Ft.	12
Porous Granular Embankment	Cu. Yd.	44



PLAN - SOUTHWEST WINGWALL

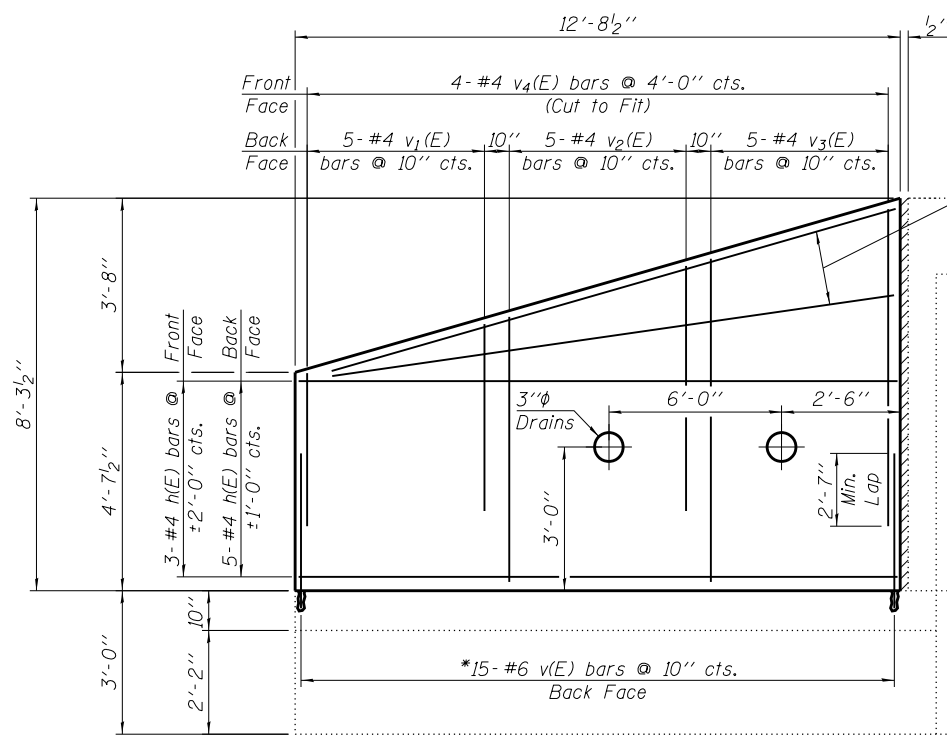


SECTION A-A

Note: For location and limits of Concrete Removal see Sheets 4 & 5 of 16.

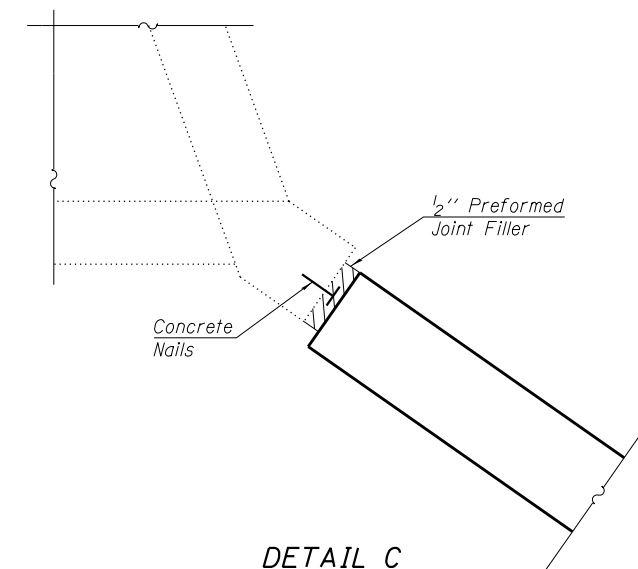
*Note: v(E) bars to be epoxy grouted into the existing footing in accordance with Article 584 of the Special Specifications.

**Note: View D-D, providing additional Temporary Sheet Piling Details, is shown on Sheet 2 of 16.



VIEW B-B

2- #4 h(E) bars (Front Face)
3- #4 h(E) bars (Back Face)



DETAIL C

Note: Preformed Joint Filler and Concrete Nails included in the cost of Concrete Structures.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	13	#4	12'-5"	—
v(E)	15	#6	5'-11"	—
v1(E)	5	#4	4'-0"	—
v2(E)	5	#4	5'-3"	—
v3(E)	5	#4	6'-6"	—
v4(E)	4	#4	8'-0"	—
Concrete Structures			Cu. Yd.	2.5
Reinforcement Bars, Epoxy Coated			Pound	320
Temporary Sheet Piling			Sq. Ft.	524

Notes:
Reinforcement bars designated (E) shall be epoxy coated.

FILE NAME = 2017_CULVERT_REPAIRS.DGN

USER NAME = duncanbd
PLOT SCALE = #SCALE#
PLOT DATE = 7/15/2015

DESIGNED - J.A.M.
CHECKED - S.F.M.
DRAWN - A.D.S.
CHECKED - J.A.M.
REVISED -
REVISED -
REVISED -
REVISED -

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-09325

FREEDPT, IL ROCKFORD, IL
ROCHELLE, IL SPRINGFIELD, IL
MONROE, WI

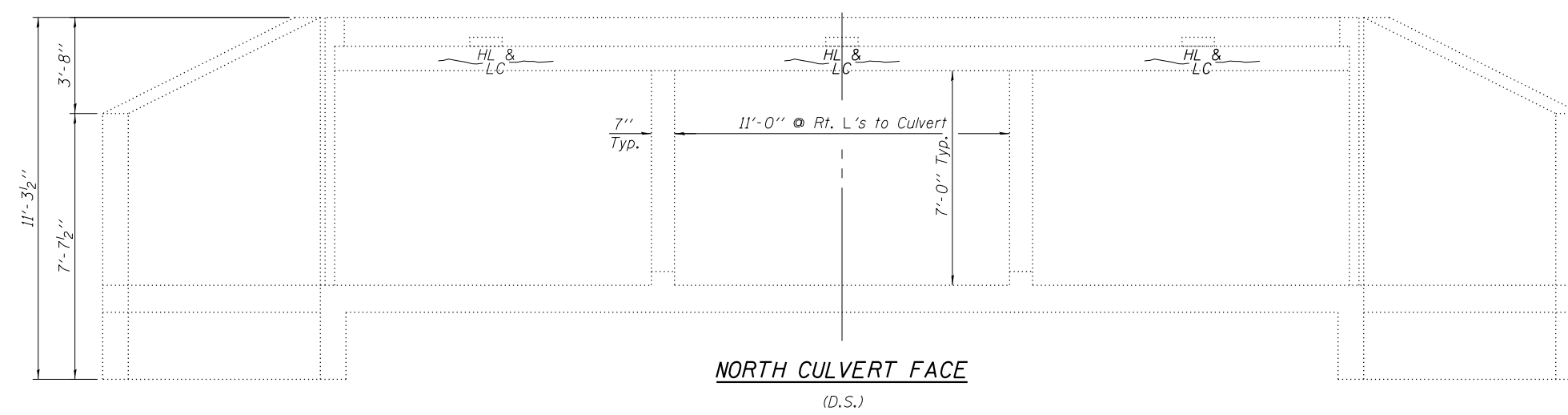
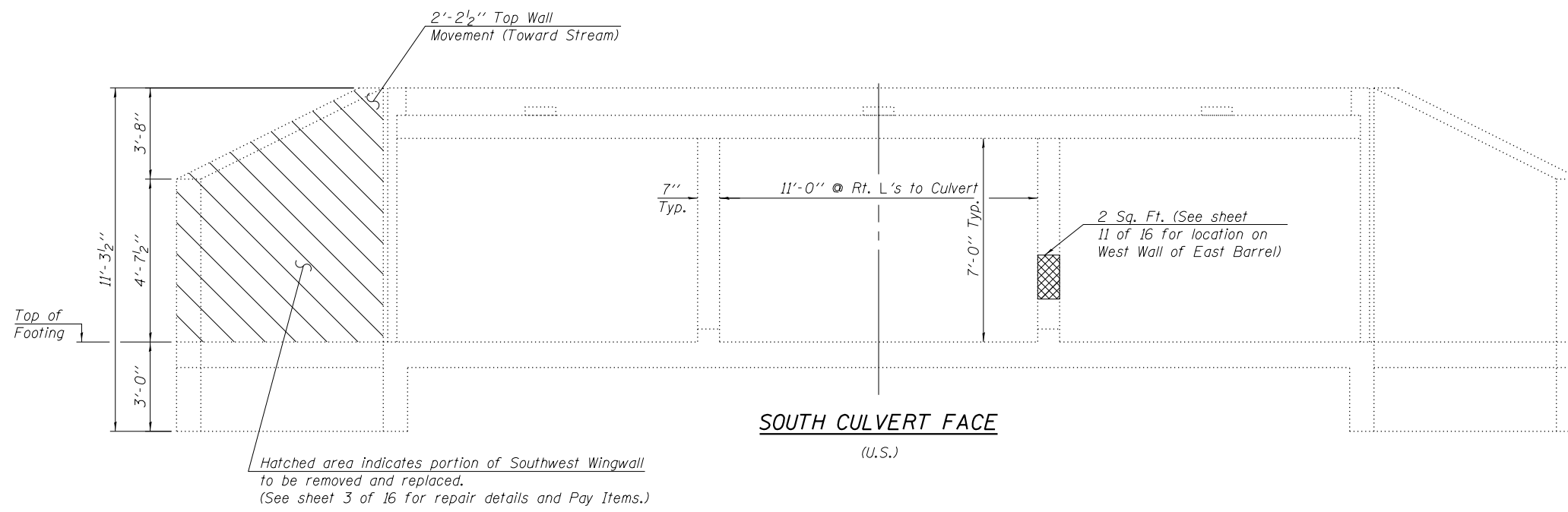
WINGWALL REPAIR DETAILS
S.N. 053-2017

SHEET NO. 3 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	104
CONTRACT NO. 66F23				

ILLINOIS FED. AID PROJECT

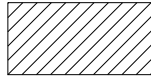
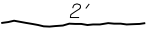
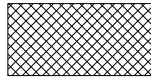
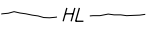
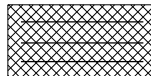
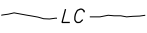
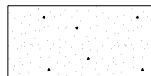
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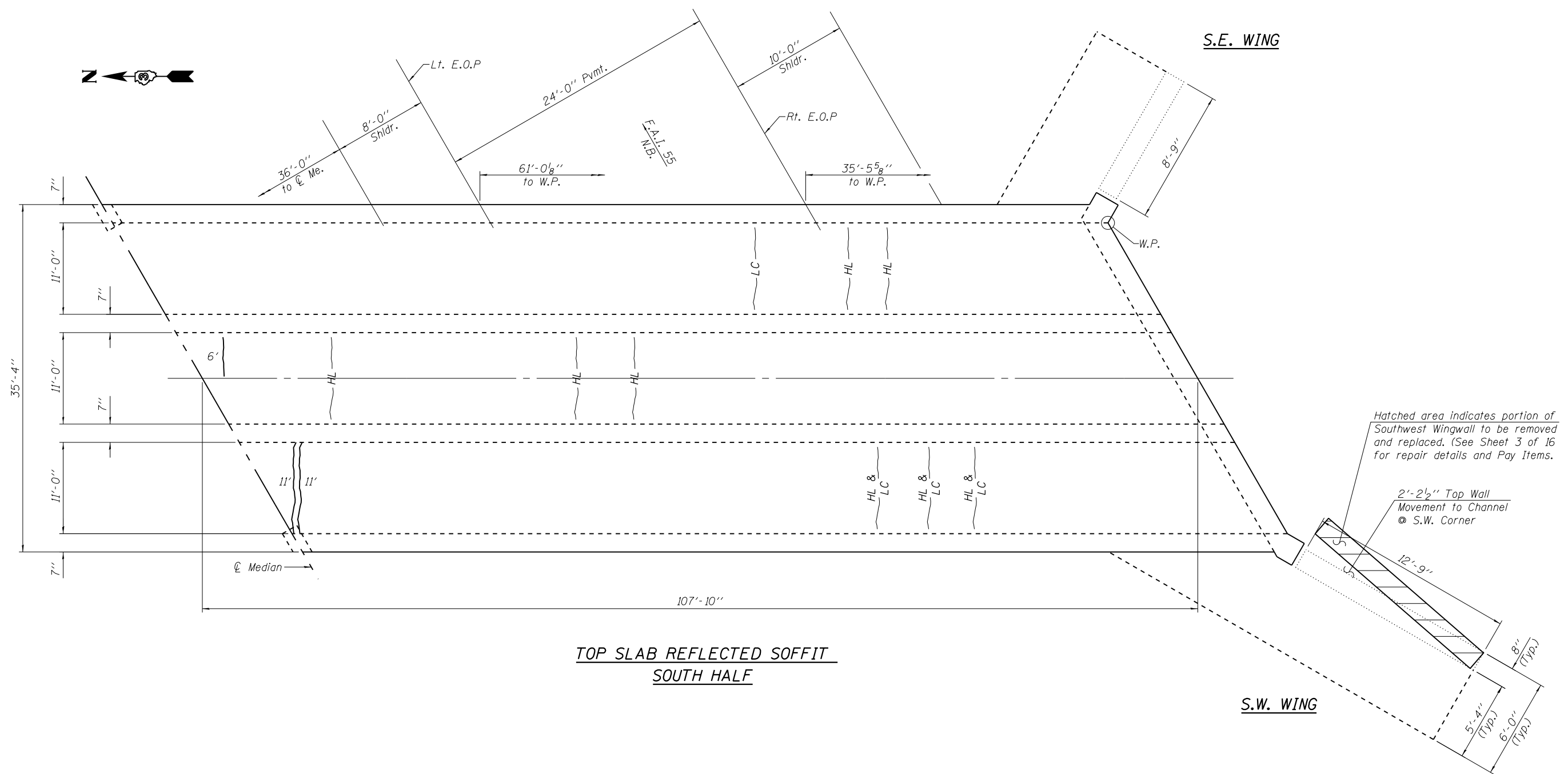


CULVERT ENDS - BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Epoxy Crack Injection	Foot	--
Structural Repair of Concrete (Depth Equal to or Less Than 5')	Sq. Ft.	2
Structural Repair of Concrete (Depth Greater Than 5')	Sq. Ft.	--
Polymer Modified Portland Cement Mortar	Sq. Ft.	--

CONCRETE DETERIORATION LEGEND

	Delamination (Area) Unless Otherwise Noted		Crack ($\geq 1/16"$)
	Spall (Area) and Location of Structural Repair of Concrete, $\leq 5"$		Hairline Crack
	Spall w/ Exp. Rebar		Leached Crack
	Scaling (Mortar Loss) Light, Medium, Heavy, Severe <math>< 1/4" < 1/4"-1/2" < 1/2"-1" > 1" </math>		Note crack widths are $1/8" \pm 1/16$ unless otherwise noted.

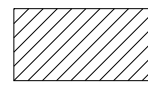
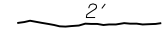
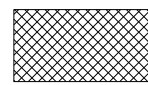
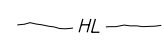
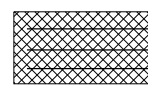
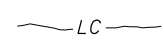



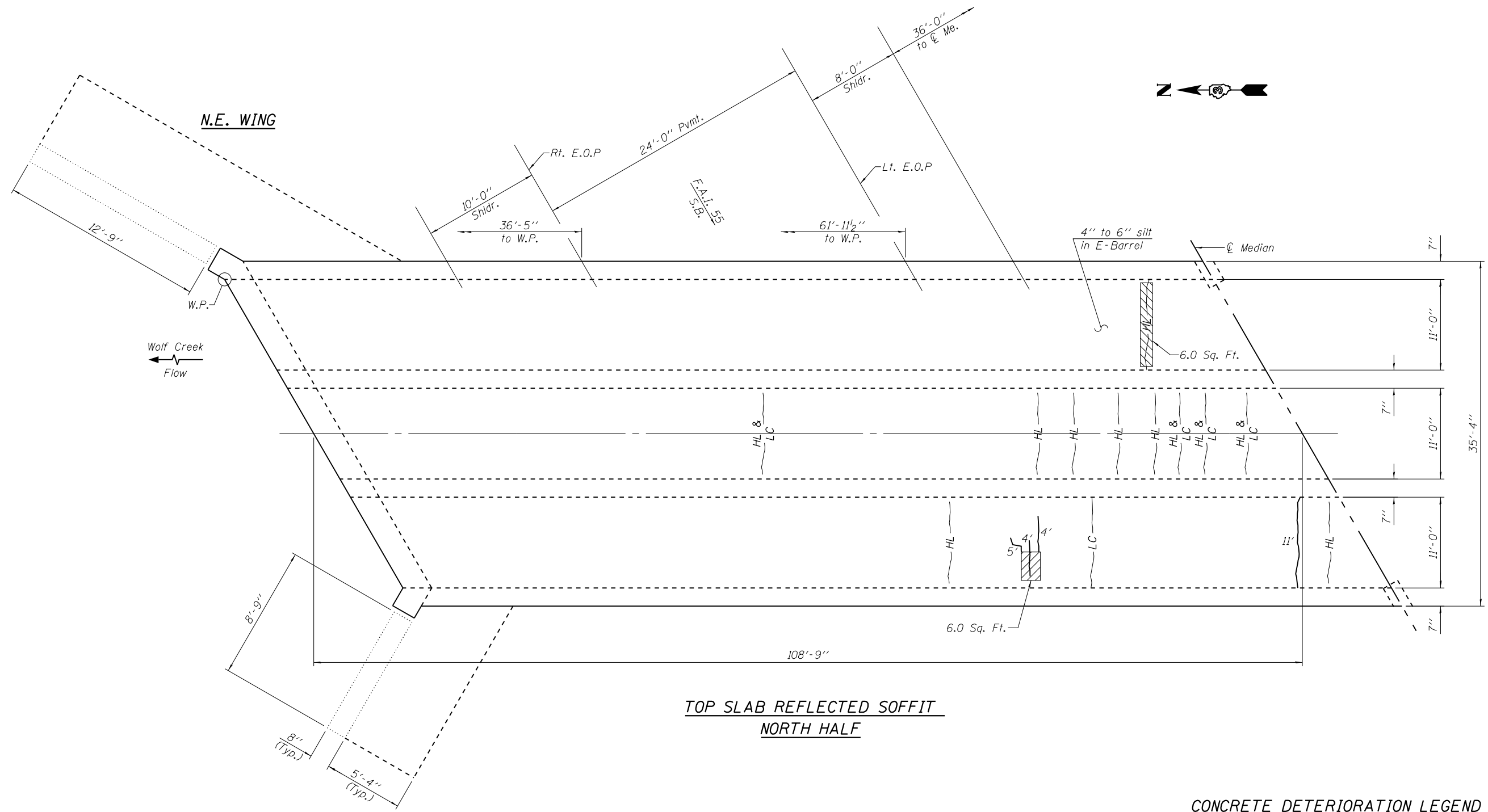
**TOP SLAB REFLECTED SOFFIT
SOUTH HALF**

SOUTH HALF OF TOP SLAB - BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Epoxy Crack Injection	Foot	28
Structural Repair of Concrete (Depth Equal to or Less Than 5')	Sq. Ft.	--
Structural Repair of Concrete (Depth Greater Than 5')	Sq. Ft.	--
Polymer Modified Portland Cement Mortar	Sq. Ft.	--

CONCRETE DETERIORATION LEGEND

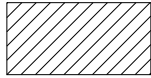
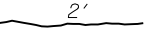
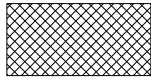
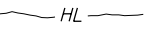
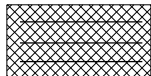
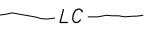
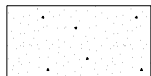
	Delamination (Area) Unless Otherwise Noted		2' Crack ($\geq \frac{1}{16}$ "
	Spall (Area)		HL Hairline Crack
	Spall w/ Exp. Rebar		LC Leached Crack
	Scaling (Mortar Loss) Light, Medium, Heavy, Severe $\frac{1}{4}$", $\frac{1}{4}</math>"-\frac{1}{2}</math>", \frac{1}{2}</math>"-1", >1"$		Note crack widths are $\frac{1}{8}$ " \pm $\frac{1}{16}$ " unless otherwise noted.



NORTH HALF OF TOP SLAB - BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Epoxy Crack Injection	Foot	24
Structural Repair of Concrete (Depth Equal to or Less Than 5')	Sq. Ft.	--
Structural Repair of Concrete (Depth Greater Than 5')	Sq. Ft.	--
Polymer Modified Portland Cement Mortar	Sq. Ft.	12

CONCRETE DETERIORATION LEGEND

	Delamination (Area) and Location of Polymer Modified PC Mortar		Crack ($\geq \frac{1}{16}$ ")
	Spall (Area)		HL Hairline Crack
	Spall w/ Exp. Rebar		LC Leached Crack
	Scaling (Mortar Loss) Light, Medium, Heavy, Severe $\frac{1}{4}$" $\frac{1}{4}$ "- $\frac{1}{2}$ " $\frac{1}{2}$ "-1" >1"		Note crack widths are $\frac{1}{8}$ " \pm $\frac{1}{16}$ " unless otherwise noted.

FILE NAME = 2017_CULVERT_REPAIRS.DGN

USER NAME = duncanbd
PLOT SCALE = #SCALE#
PLOT DATE = 7/15/2015

DESIGNED - J.A.M.
CHECKED - S.F.M.
DRAWN - A.D.S.
CHECKED - J.A.M.

REVISED -
REVISED -
REVISED -
REVISED -

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-09325

FREEDPORT, IL ROCKFORD, IL
ROCHELLE, IL SPRINGFIELD, IL
MONROE, WI

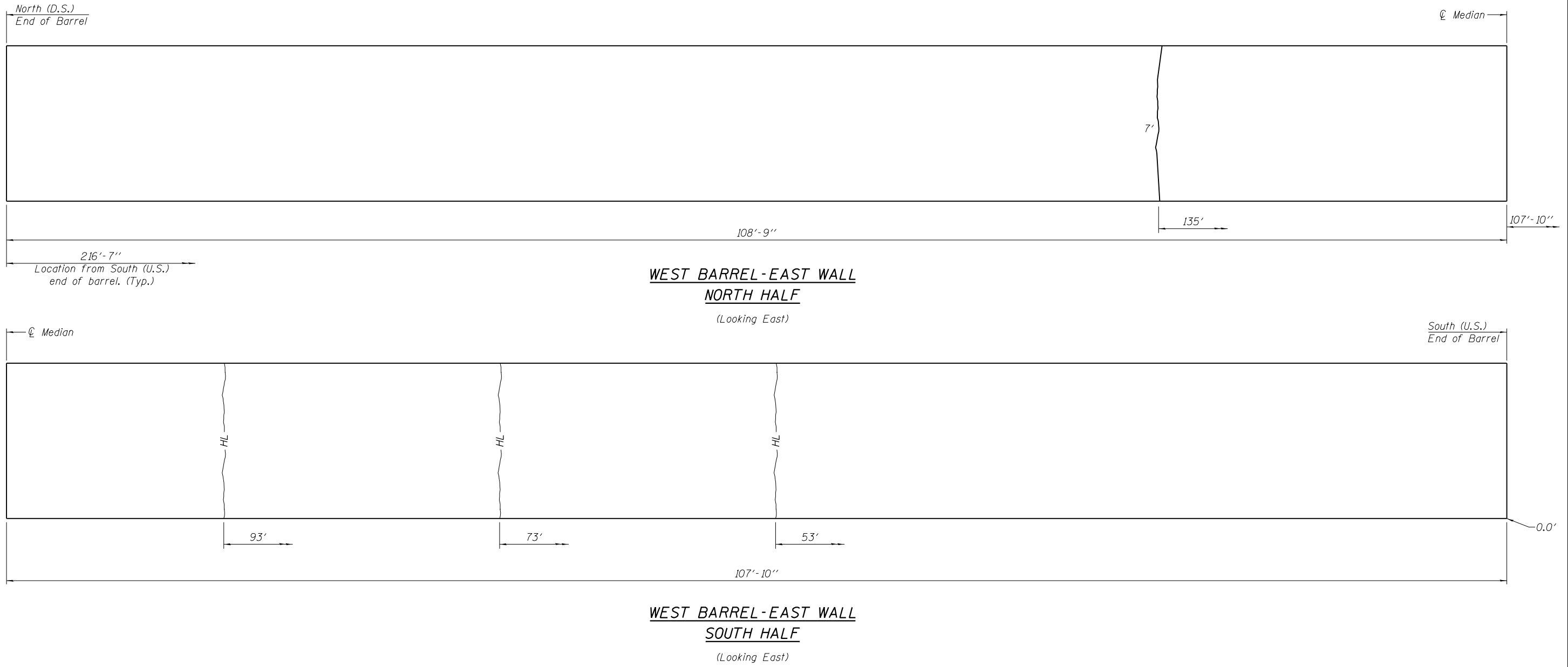
TOP SLAB SOFFIT - NORTH BARREL PORTION
S.N. 053-2017

SHEET NO. 6 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	107
				CONTRACT NO. 66F23

ILLINOIS FED. AID PROJECT




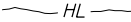

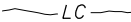
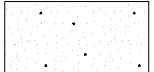
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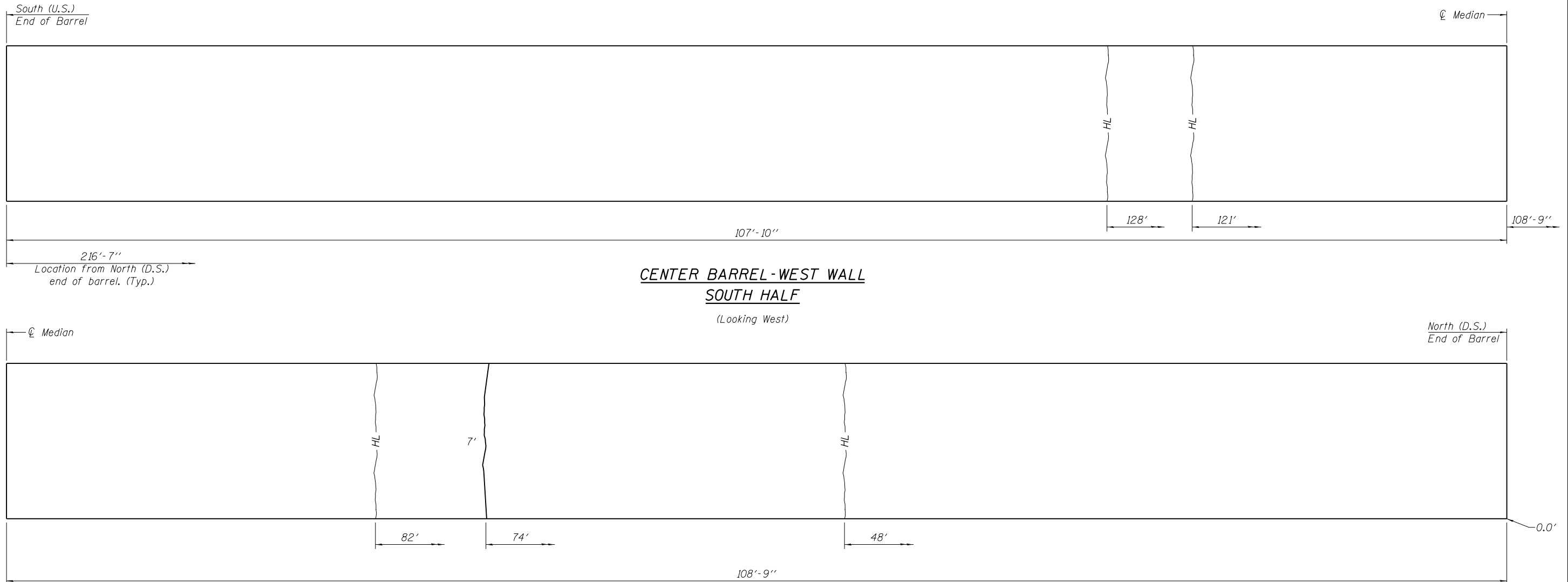


WEST BARREL/EAST WALL - BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Epoxy Crack Injection	Foot	7
Structural Repair of Concrete (Depth Equal to or Less Than 5')	Sq. Ft.	--
Structural Repair of Concrete (Depth Greater Than 5')	Sq. Ft.	--
Polymer Modified Portland Cement Mortar	Sq. Ft.	--

CONCRETE DETERIORATION LEGEND

	Delamination (Area)		Crack ($\geq \frac{1}{16}$ "
	Spall (Area) and Location of Structural Repair of Concrete, $>5'$		Hairline Crack
	Spall w/ Exp. Rebar		Leached Crack
	Scaling (Mortar Loss) Light, Medium, Heavy, Severe $\frac{1}{4}$", $\frac{1}{4}</math>"-\frac{1}{2}</math>", \frac{1}{2}</math>"-1", >1</math>"$		Note crack widths are $\frac{1}{8}</math>" \pm \frac{1}{16} unless otherwise noted.$






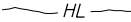

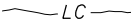
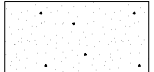
**CENTER BARREL - WEST WALL
SOUTH HALF**
(Looking West)

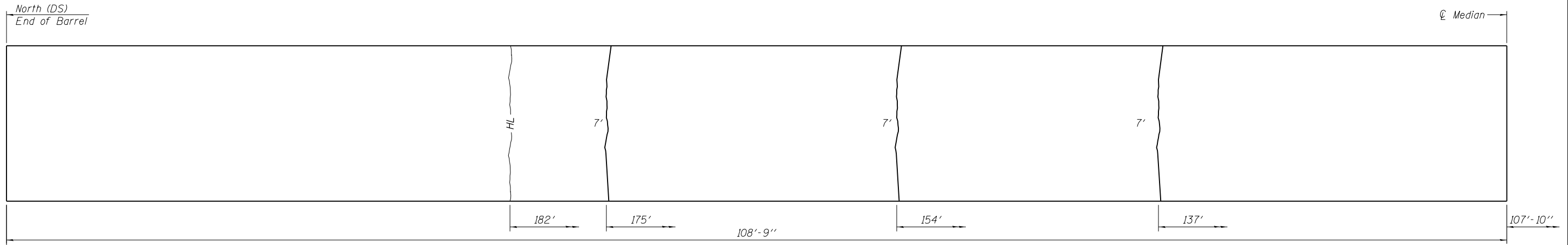
**CENTER BARREL - WEST WALL
NORTH HALF**
(Looking West)

CENTER BARREL/WEST WALL - BILL OF MATERIAL

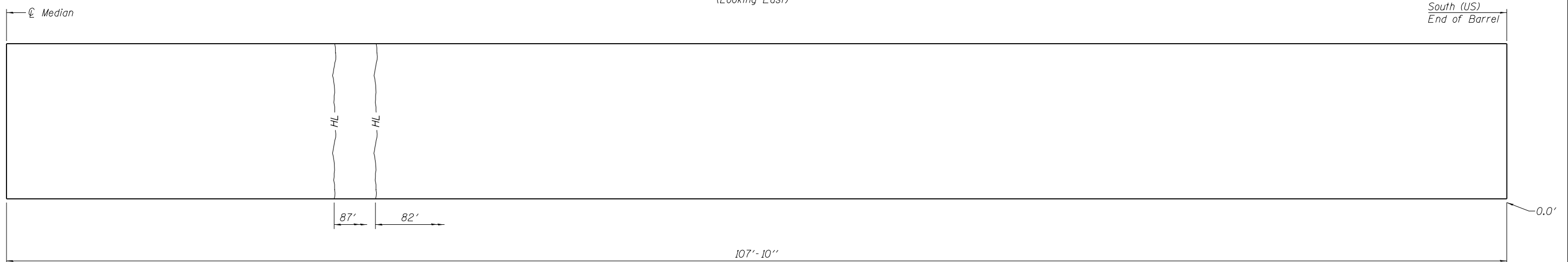
ITEM	UNIT	QUANTITY
Epoxy Crack Injection	Foot	7
Structural Repair of Concrete (Depth Equal to or Less Than 5')	Sq. Ft.	--
Structural Repair of Concrete (Depth Greater Than 5')	Sq. Ft.	--
Polymer Modified Portland Cement Mortar	Sq. Ft.	--

CONCRETE DETERIORATION LEGEND

	Delamination (Area)		Crack ($\geq \frac{1}{16}$ "
	Spall (Area) and Location of Structural Repair of Concrete, $>5'$		Hairline Crack
	Spall w/ Exp. Rebar		Leached Crack
	Scaling (Mortar Loss) Light, Medium, Heavy, Severe $\frac{1}{4}$", $\frac{1}{4}</math>"-\frac{1}{2}</math>", \frac{1}{2}</math>"-1", >1</math>"$		Note crack widths are $\frac{1}{8}</math>" \pm \frac{1}{16}" unless otherwise noted.$



**CENTER BARREL - EAST WALL
NORTH HALF**
(Looking East)




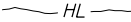

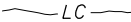
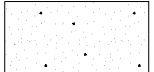


**CENTER BARREL - EAST WALL
SOUTH HALF**
(Looking East)

CENTER BARREL/EAST WALL - BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Epoxy Crack Injection	Foot	21
Structural Repair of Concrete (Depth Equal to or Less Than 5')	Sq. Ft.	--
Structural Repair of Concrete (Depth Greater Than 5')	Sq. Ft.	--
Polymer Modified Portland Cement Mortar	Sq. Ft.	--

CONCRETE DETERIORATION LEGEND

	Delamination (Area)	 2'	Crack ($\geq 1/16''$)
	Spall (Area) and Location of Structural Repair of Concrete, >5"	 HL	Hairline Crack
	Spall w/ Exp. Rebar	 LC	Leached Crack
	Scaling (Mortar Loss) Light, Medium, Heavy, Severe <1/4", 1/4"-1/2", 1/2"-1", >1"		Note crack widths are 1/8" ± 1/16 unless otherwise noted.

FILE NAME = 2017_CULVERT_REPAIRS.DGN

USER NAME = duncanbd
PLOT SCALE = #SCALE#
PLOT DATE = 7/15/2015

DESIGNED - J.A.M.
CHECKED - S.F.M.
DRAWN - A.D.S.
CHECKED - J.A.M.

REVISED -
REVISED -
REVISED -
REVISED -

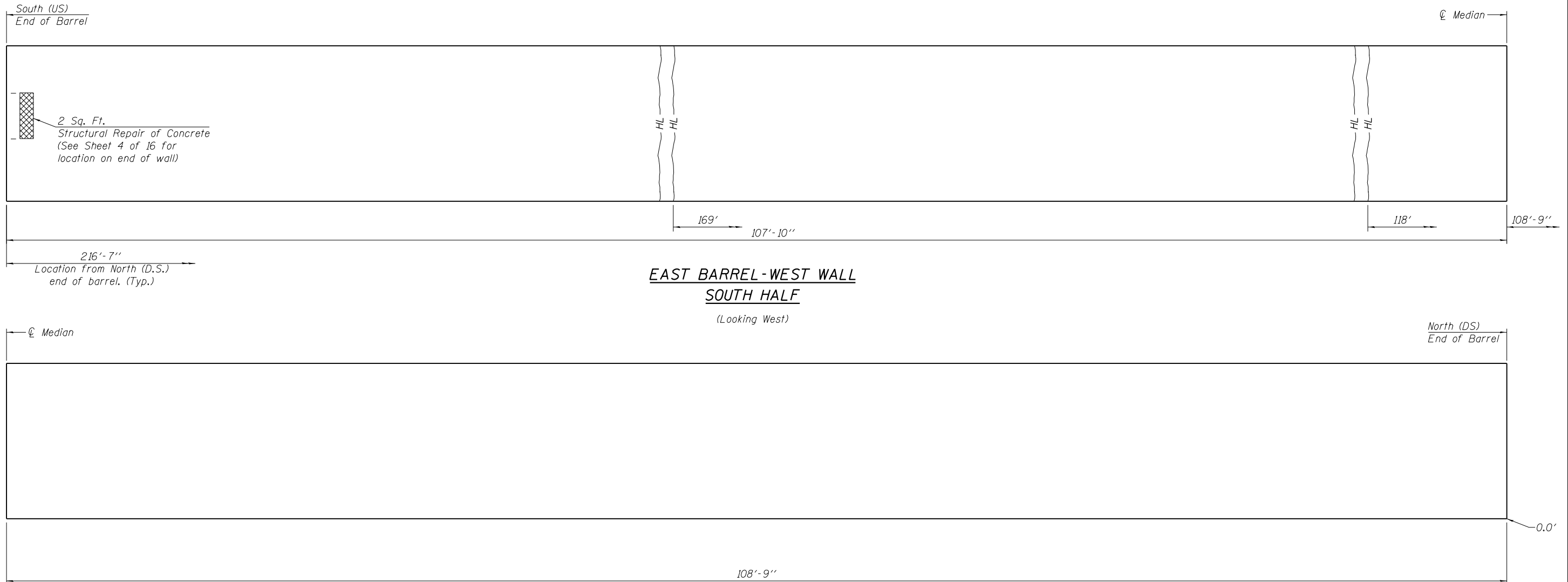
FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003025

FREEDPORT, IL ROCKFORD, IL
ROCHELLE, IL SPRINGFIELD, IL
MONROE, WI

**CENTER BARREL - EAST WALL
S.N. 053-2017**

SHEET NO. 10 OF 16 SHEETS

F.A.I. RTE. 55	SECTION (53-4)R&I	COUNTY LIVINGSTON	TOTAL SHEETS 242	SHEET NO. 111
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	





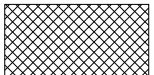
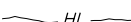
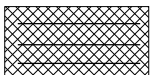
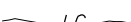
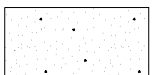
**EAST BARREL-WEST WALL
SOUTH HALF**
(Looking West)

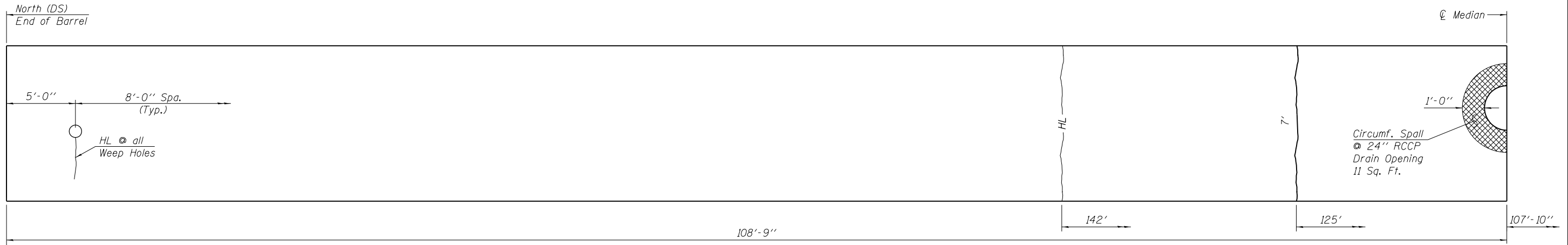
**EAST BARREL-WEST WALL
NORTH HALF**
(Looking West)

EAST BARREL/WEST WALL - BILL OF MATERIAL

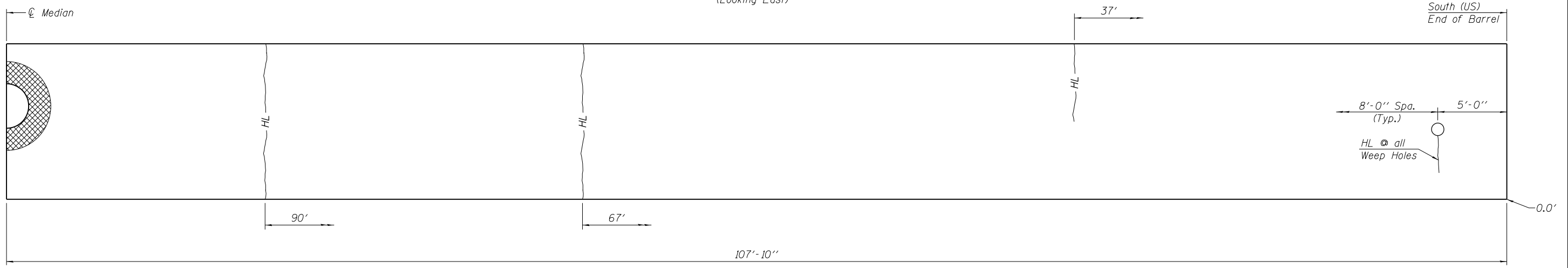
ITEM	UNIT	QUANTITY
Epoxy Crack Injection	Foot	--
Structural Repair of Concrete (Depth Equal to or Less Than 5')	Sq. Ft.	2
Structural Repair of Concrete (Depth Greater Than 5')	Sq. Ft.	--
Polymer Modified Portland Cement Mortar	Sq. Ft.	--

CONCRETE DETERIORATION LEGEND

	Delamination (Area)		Crack ($\geq \frac{1}{16}$ "
	Spall (Area) and Location of Structural Repair of Concrete, $>5'$		Hairline Crack
	Spall w/ Exp. Rebar		Leached Crack
	Scaling (Mortar Loss) Light, Medium, Heavy, Severe $\frac{1}{4}$", $\frac{1}{4}</math>"-\frac{1}{2}</math>", \frac{1}{2}</math>"-1", >1</math>"$		Note crack widths are $\frac{1}{8}</math>" \pm \frac{1}{16} unless otherwise noted.$



**EAST BARREL-EAST WALL
NORTH HALF**
(Looking East)

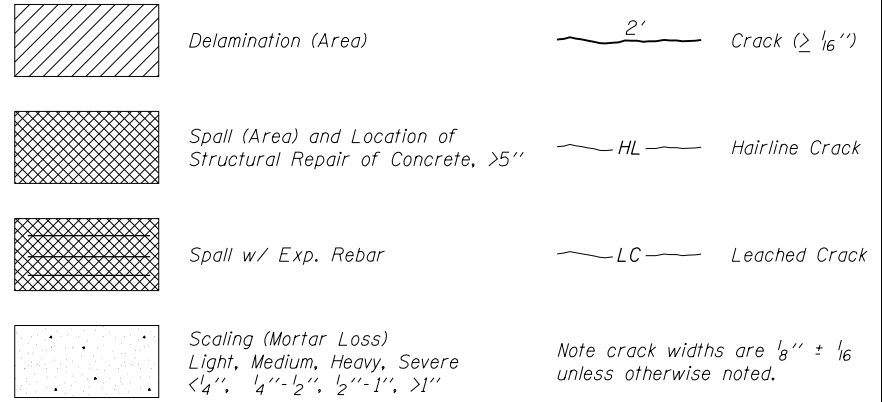


**EAST BARREL-EAST WALL
SOUTH HALF**
(Looking East)

EAST BARREL/EAST WALL - BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Epoxy Crack Injection	Foot	7
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	--
Structural Repair of Concrete (Depth Greater Than 5")	Sq. Ft.	11
Polymer Modified Portland Cement Mortar	Sq. Ft.	--

CONCRETE DETERIORATION LEGEND



FILE NAME = 2017_CULVERT_REPAIRS.DGN

USER NAME = duncanbd
PLOT SCALE = #SCALE#
PLOT DATE = 7/15/2015

DESIGNED - J.A.M.
CHECKED - S.F.M.
DRAWN - A.D.S.
CHECKED - J.A.M.

REVISED -
REVISED -
REVISED -
REVISED -

FEHR GRAHAM
ENGINEERING & ENVIRONMENTAL
ILLINOIS DESIGN FIRM NO. 184-003025

FREEDPORT, IL ROCKFORD, IL
ROCHELLE, IL SPRINGFIELD, IL
MONROE, WI

**EAST BARREL - EAST WALL
S.N. 053-2017**

SHEET NO. 12 OF 16 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	113
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				

B.M. Railroad Spike in 40' Contained 100' Lt Sta 509+50
Elev 668.10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

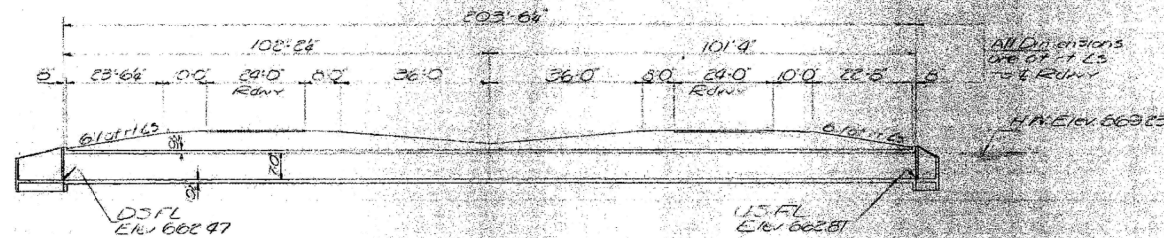
DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5-15-13	53-4B	LIVINGSTON	84	21

4 SHEETS

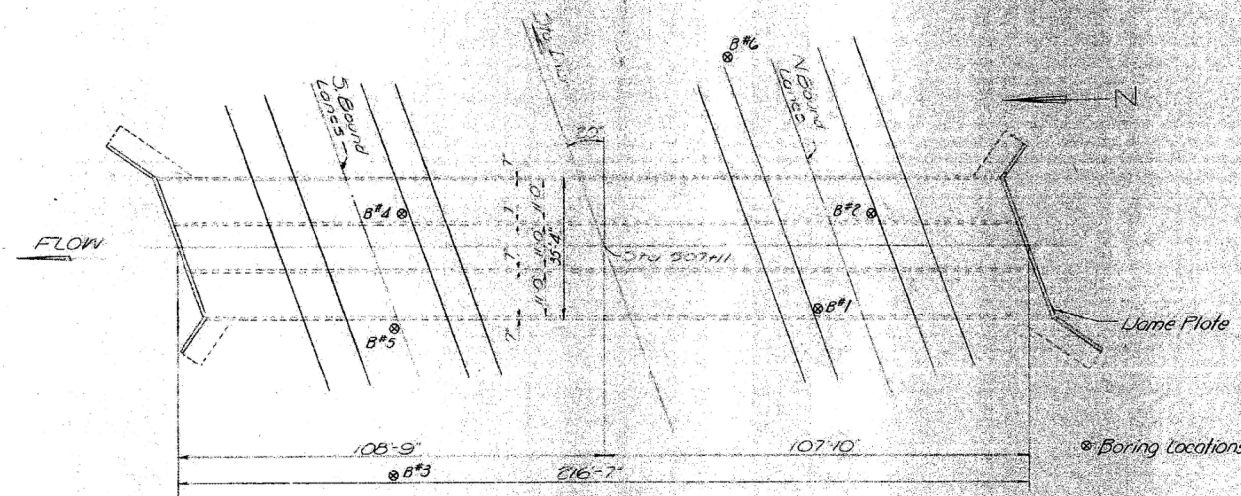
GENERAL NOTES

All reinforcement bars shall be lapped 24 Dia. unless otherwise shown.
The following surfaces of the culvert shall be waterproofed: the top of the top slab; the backs of the exterior walls above the lower construction joint and the backs of the wings above the tops of the footing.
Nonmetallic water seal used in the wingwall joints shall extend from the top of the footing to within 6" of the top of the headwall.
All exposed edges shall be beveled 3/8"
Class X Concrete shall be used throughout
For backfilling & embankment see std. specs.

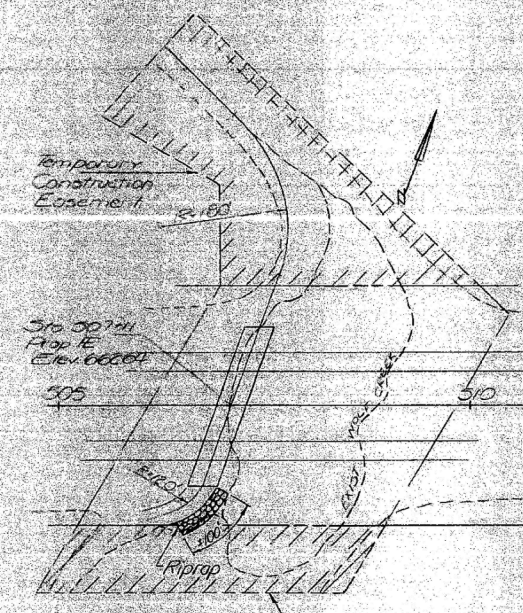
BECAUSE OF POOR SUBSOIL CONDITIONS, 53-4B STRUCTURE WAS UNDERLAIN ± 1 FOOT AT E & PROCEEDED TO ± 2 FEET AT RIGHT END. (SEE 017)



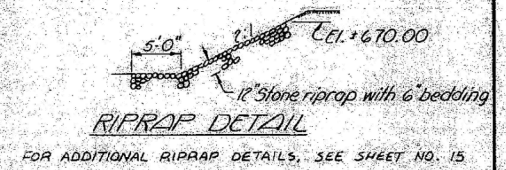
LONGITUDINAL SECTION



PLAN

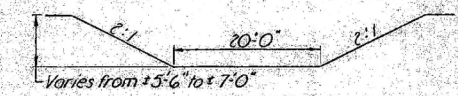


CHANNEL CHANGE SKETCH



RIPRAP DETAIL

FOR ADDITIONAL RIPRAP DETAILS, SEE SHEET NO. 15



CHANNEL SECTION

WATERWAY INFORMATION

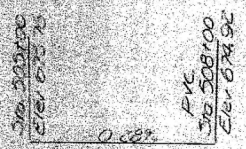
Drainage Area 82.5a Mies
Character Cultivated timber & pasture
Present Opening 50 FT
Reqd Opening 212.5a FT
Proposed Opening 212.5a FT
Q6a) 1511 cfs
Created Head 0.9'

DESIGN STRESSES

fc: 4000 psi - Barrel
fc: 1000 psi - Wings
fs: 20000 psi - Reinf
vc: 90 psi - Barrel
vc: 75 psi - Ftgs.
n: 10

Design Specifications
1969 AA310 (as applicable)

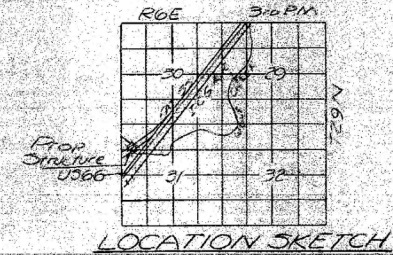
LOADING H520-44#ALT
Allow 85 psi for Future N5



PROFILE GRADE
(at medium edge)

STATION 507+1.00
BUILT 19 BY
STATE OF ILLINOIS
FAI RTE 55 SEC 53-4B
FAI PROJECT 55-5(68)
LOADING H520#ALT

JAME PLATE
(See 310-2113)



LOCATION SKETCH

TOTAL BILL OF MATERIAL

Item	Unit	Quantity
Class X Concrete	Cu Yds	628.6
Reinforcement Bars	Lbs.	148530
Jame Plates	Each	1

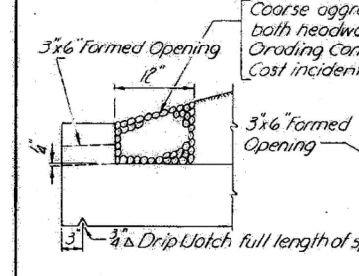
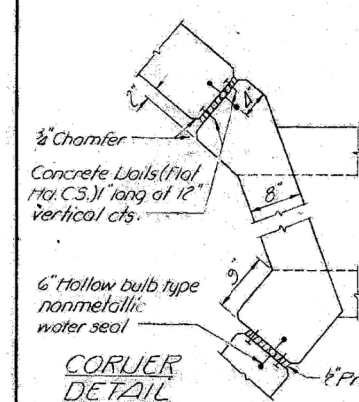
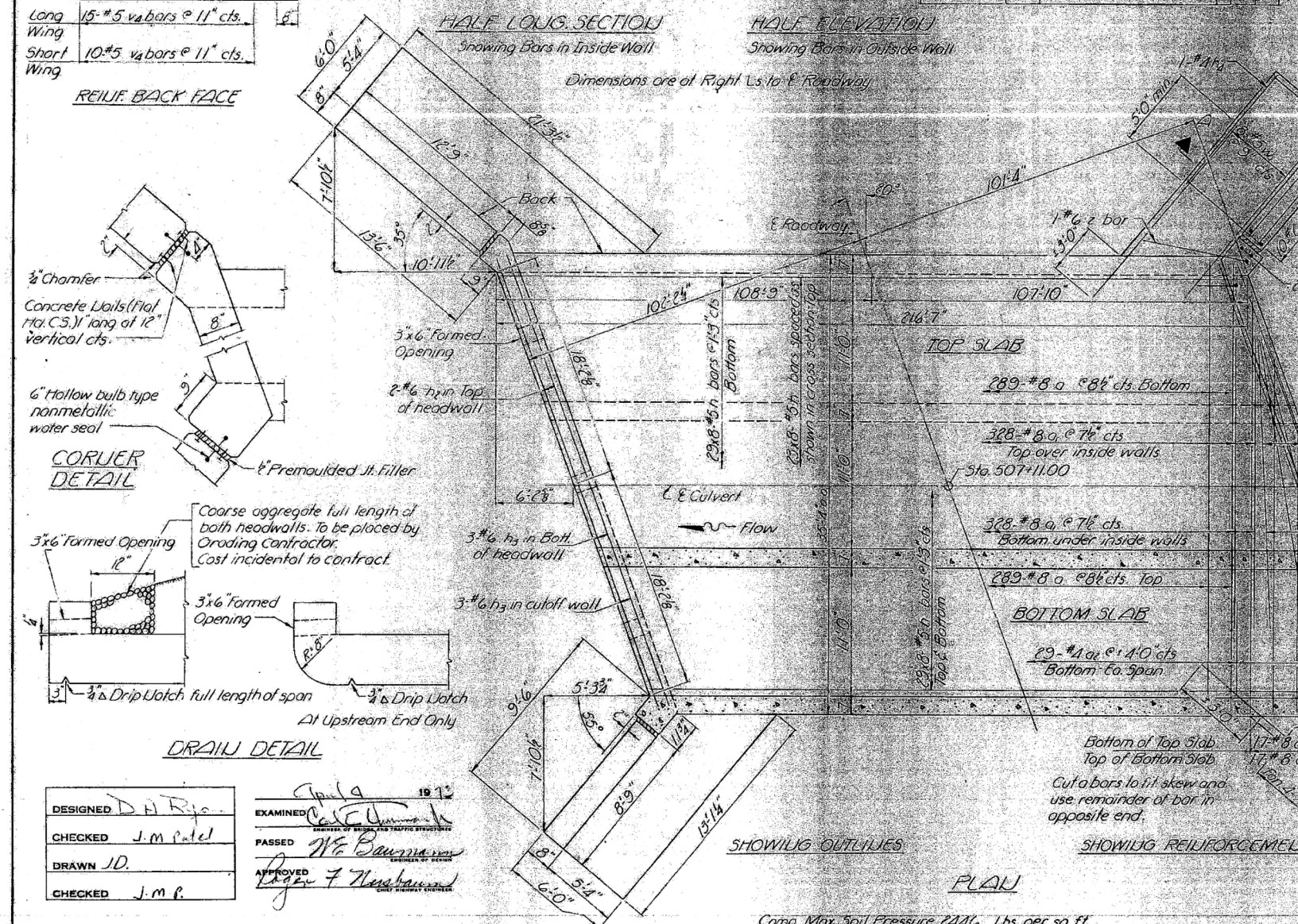
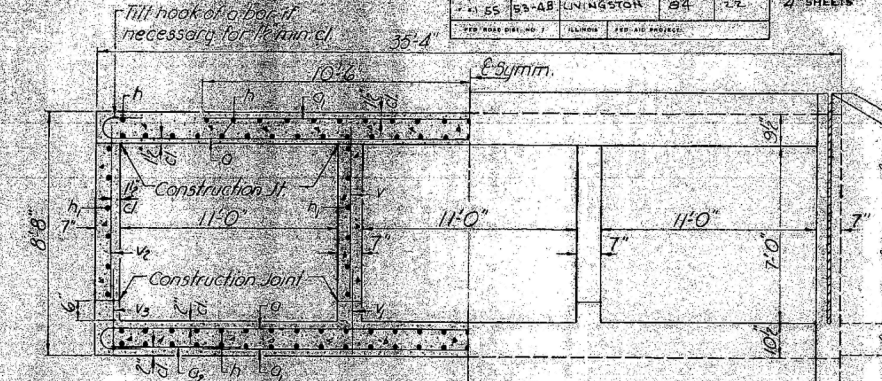
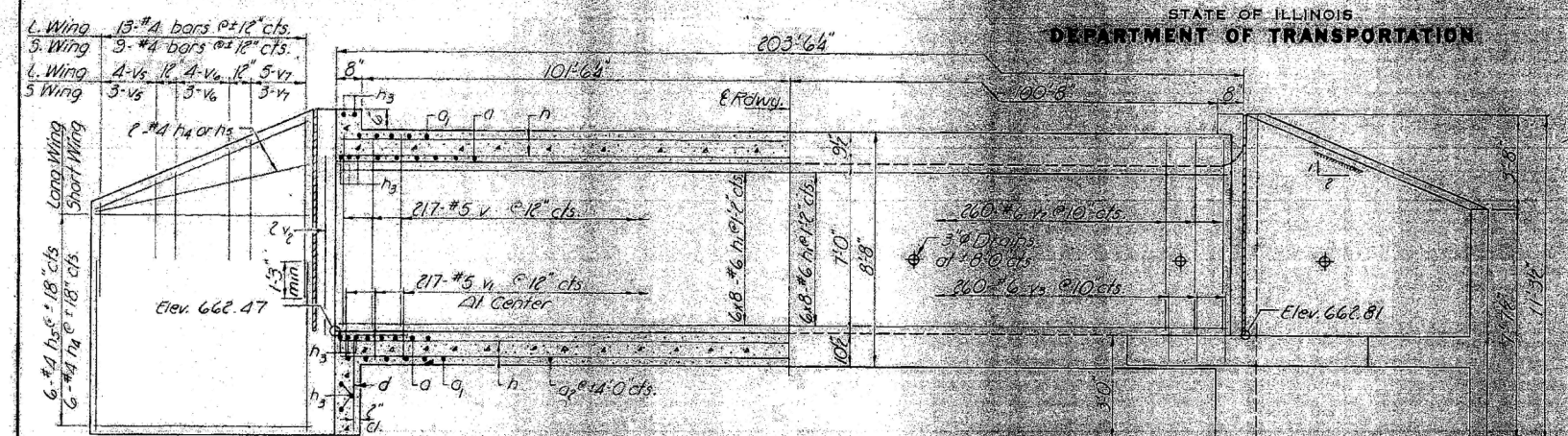
PROJECT I-55-5(68)193
GENERAL PLAN & ELEVATION
FAI RTE 55 OVER WOLF CK
FAI RTE 55 SEC 53-4B
LIVINGSTON COUNTY
STATION 507+11

DESIGNED	DARJA	EXAMINED	April 4 1913
CHECKED	J.M. P.	PASSED	W.G. Benemann
DRAWN	Ferris	APPROVED	F. H. H. H.
CHECKED	J.M.P.		

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DATE OF SHEET	SECTION	PROJECT	TOTAL SHEETS	SHEET NO.	SHEET NO. OF SHEETS
11/25/15	53-AB	LIVINGSTON	242	115	4



DESIGNED	D.A.R.	EXAMINED	[Signature]
CHECKED	J.M. Patel	PASSED	[Signature]
DRAWN	J.D.	APPROVED	[Signature]
CHECKED	J.M.P.		

BILL OF MATERIAL

Bar	Loc.	Size	Length	Shape
a	612	#8	36'-11"	C
o	632	#8	24'-0"	
o2	58	#4	7'-9"	
d	10	#4	4'-6"	F
h	880	#5	28'-3"	
h1	192	#6	28'-6"	
h2	4	#6	37'-0"	
h3	18	#6	37'-6"	
h4	20	#4	8'-6"	
h5	20	#4	12'-6"	
v	434	#5	7'-2"	
v1	434	#5	2'-0"	
v2	528	#6	7'-2"	
v3	520	#6	2'-3"	
v4	50	#5	8'-3"	
v5	14	#4	4'-8"	
v6	14	#4	5'-11"	
v7	16	#4	7'-1"	
w	16	#5	16'-9"	
w1	16	#5	12'-9"	
z	60	#6	8'-5"	

Class X Concrete Cu. Yds. 628.6
Reinforcement Bars Lbs. 148590

Bar	Location	Loc.
h	Top of top slab	23
h	Bottom of top slab	29
h	Top of bottom slab	29
h	Bottom of bottom slab	29
h1	Each outside wall	6
h1	Each inside wall	6

8 Lengths each required

CULVERT DETAILS
 F.A.I. RT. 55 SEC. 53-AB
 LIVINGSTON COUNTY
 STA. 507+11.00

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	53-4B	LIVINGSTON	242	116

SHEET NO. 3
4 SHEETS

BORING #1

Boring No.	Station	Offset	Elevation	N	Q _u (t/sf)	Q _u (kN/m ²)	Surface Water El. at Completion	Groundwater El. at Completion After 15 Hours	Elevation	N	Q _u (t/sf)	Q _u (kN/m ²)
1	506+74	45' RT. of C	669.60									
			667.5									
			664.5	8	2.9	24						
			662.0	1	0.5	33						
			657.0	8	1.5	17						
			657.0	8	1.5	17						
			632.0	10	2.5	16						
			632.0	10	2.5	16						
			624.5	11	2.3	16						
			624.5	11	2.3	16						
			622.0	12	1.5	19						
			617.0	8	1.7	21						
			612.0	16	5.8	12						
			612.0	16	5.8	12						
			607.5	8	2.0	16						
			607.5	8	2.0	16						

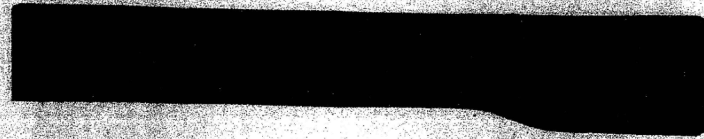
BORING #2

Boring No.	Station	Offset	Elevation	N	Q _u (t/sf)	Q _u (kN/m ²)	Surface Water El. at Completion	Groundwater El. at Completion After 15 Hours	Elevation	N	Q _u (t/sf)	Q _u (kN/m ²)
2	506+74	67' RT. of C	669.10									
			667.60									
			662.10	3	0.8	25						
			659.60	9	1.9	16						
			659.60	9	1.9	16						
			631.60	10	2.1	15						
			631.60	10	2.1	15						
			627.10	10	2.5	14						
			627.10	10	2.5	14						
			619.60	14	2.4	23						
			617.10	7	1.4	22						
			614.60	6	2.3	33						
			612.60	12	6.6	13						
			612.60	12	6.6	13						

BORING #3

Boring No.	Station	Offset	Elevation	N	Q _u (t/sf)	Q _u (kN/m ²)	Surface Water El. at Completion	Groundwater El. at Completion After 15 Hours	Elevation	N	Q _u (t/sf)	Q _u (kN/m ²)
3	506+74	67' RT. of C	669.00									
			668.90									
			665.40	2	2.5	18						
			662.90	2	0.4	24						
			662.90	2	0.4	24						
			660.40	7	2.1	14						
			660.40	7	2.1	14						
			657.90	7	1.5	14						
			657.90	7	1.5	14						
			665.60	8	2.1	15						
			665.60	8	2.1	15						
			620.40	5	1.6	24						
			617.90	8	2.3	20						
			615.40	15	1.4	25						
			615.40	15	1.4	25						
			610.40	20	5.8	14						
			610.40	20	5.8	14						
			608.40	12	2.7	17						
			608.40	12	2.7	17						

DESIGNED: [Signature]
 CHECKED: J. M. [Signature]
 DRAWN: J.D.
 EXAMINED: [Signature]
 PASSED: [Signature]
 APPROVED: [Signature]



BORING DATA
 F.A.I. RT. 55 SEC. 53-4B
 LIVINGSTON COUNTY
 STA. 507+11.00

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS	SHEET NO.
55	53-4B	84	84	4

SHEET NO. 4
4 SHEETS

BORING #4

Boring No.	Station	Offset	Elevation	Soil	Surface Water El. at Completion	Groundwater El. at Completion	After Hours	Blows	W	Q _u /ft ²	Q _u /ft ² (P)
4	507+36	45' LT. OF E.	668.36	0		22.0					
			666.86	STIFF BLACK SILTY CLAY				9	2.1	8	16
				VERY STIFF GRAY CLAY TILL				7	2.1	8	16
			663.86	VERY STIFF BROWN CLAY TILL				7	2.1	8	16
				STIFF GRAY CLAY TILL				7	1.9	8	16
				VERY STIFF GRAY CLAY TILL				7	1.9	8	27
				STIFF GRAY CLEAR CLAY				5	1.9	8	28
				VERY STIFF GRAY CLAY TILL				6	1.6	8	32
				VERY STIFF GRAY CLEAR CLAY				6	1.4	8	39
			648.86	STIFF GRAY CLAY TILL				5	1.6	8	30
			646.36	VERY STIFF GRAY CLEAR CLAY				9	2.3	8	24
				STIFF GRAY CLEAR CLAY				6	1.6	8	25
				MEDIUM GRAY SILTY LOAM				15	--	25	
				MEDIUM GRAY CLAY				4	0.6	8	25
				LOOSE GRAY SILTY LOAM				9	--	25	
				HARD GRAY CLAY TILL				20	6.8	8	14
				VERY STIFF GRAY CLAY TILL				15	5.2	8	14
				VERY STIFF GRAY CLAY TILL				10	7.1	8	17

BORING #5

Boring No.	Station	Offset	Elevation	Soil	Surface Water El. at Completion	Groundwater El. at Completion	After Hours	Blows	W	Q _u /ft ²	Q _u /ft ² (P)
5	507+36	35' RT. OF E.	669.00	0							
			668.75	STIFF BLACK SILTY CLAY				11	3.3	8	16
				VERY STIFF BROWN CLAY TILL				9	2.7	8	19
			665.15	VERY STIFF GRAY CLAY TILL				12	3.5	8	15
				VERY LOOSE BROWN SANDY LOAM				4	--	--	--
			662.65	LOOSE BROWN COARSE SAND				10	--	--	--
			660.15	VERY STIFF GRAY CLAY TILL				8	2.7	8	16
				VERY STIFF GRAY SILTY CLAY				11	3.0	8	17
				VERY STIFF GRAY CLEAR CLAY				15	3.0	8	23
				VERY STIFF GRAY CLEAR CLAY				16	3.7	8	21
				STIFF GRAY CLEAR CLAY				10	2.1	8	26
			627.65	STIFF GRAY CLEAR CLAY				7	1.8	8	28
				STIFF GRAY CLEAR CLAY				9	1.9	8	25
				VERY STIFF GRAY CLEAR CLAY				12	4.3	8	23
				VERY STIFF GRAY SILTY CLAY LOAM				9	2.3	8	23
				LOOSE GRAY SILTY LOAM				10	--	--	--
				HARD GRAY CLAY TILL				21	9.3	8	13
				VERY STIFF GRAY CLAY TILL				15	5.2	8	14

BORING #6

Boring No.	Station	Offset	Elevation	Soil	Surface Water El. at Completion	Groundwater El. at Completion	After Hours	Blows	W	Q _u /ft ²	Q _u /ft ² (P)
6	507+46	45' RT. OF E.	669.00	0		9.0					
			667.50	STIFF BLACK SILTY CLAY				13	3.5	8	15
				VERY STIFF GRAY CLAY TILL				10	2.3	8	17
			664.50	STIFF BROWN MOTTLED CLAY				8	1.9	8	21
				STIFF BROWN CLAY TILL				5	1.9	8	20
			662.00	STIFF GRAY CLAY TILL				19	2.3	8	19
				VERY STIFF GRAY CLAY TILL				14	3.3	8	15
				STIFF GRAY CLEAR CLAY				16	3.9	8	19
				VERY STIFF GRAY CLEAR CLAY				13	3.5	8	19
			634.50	STIFF GRAY SILTY CLAY				12	2.3	8	16
				STIFF GRAY CLEAR CLAY				8	1.9	8	24
				VERY STIFF GRAY CLEAR CLAY				9	2.1	8	25
			629.50	STIFF GRAY SILTY CLAY				12	2.3	8	17
				STIFF GRAY CLEAR CLAY				11	2.3	8	15
			624.50	STIFF GRAY CLEAR CLAY				9	1.2	8	24
				STIFF GRAY CLEAR CLAY				10	1.0	8	26
				STIFF GRAY CLEAR CLAY				6	1.2	8	24
				HARD GRAY CLAY TILL				21	5.2	8	39
				VERY STIFF GRAY CLAY TILL				8	2.9	8	14
				VERY STIFF GRAY CLAY TILL				9	2.1	8	17

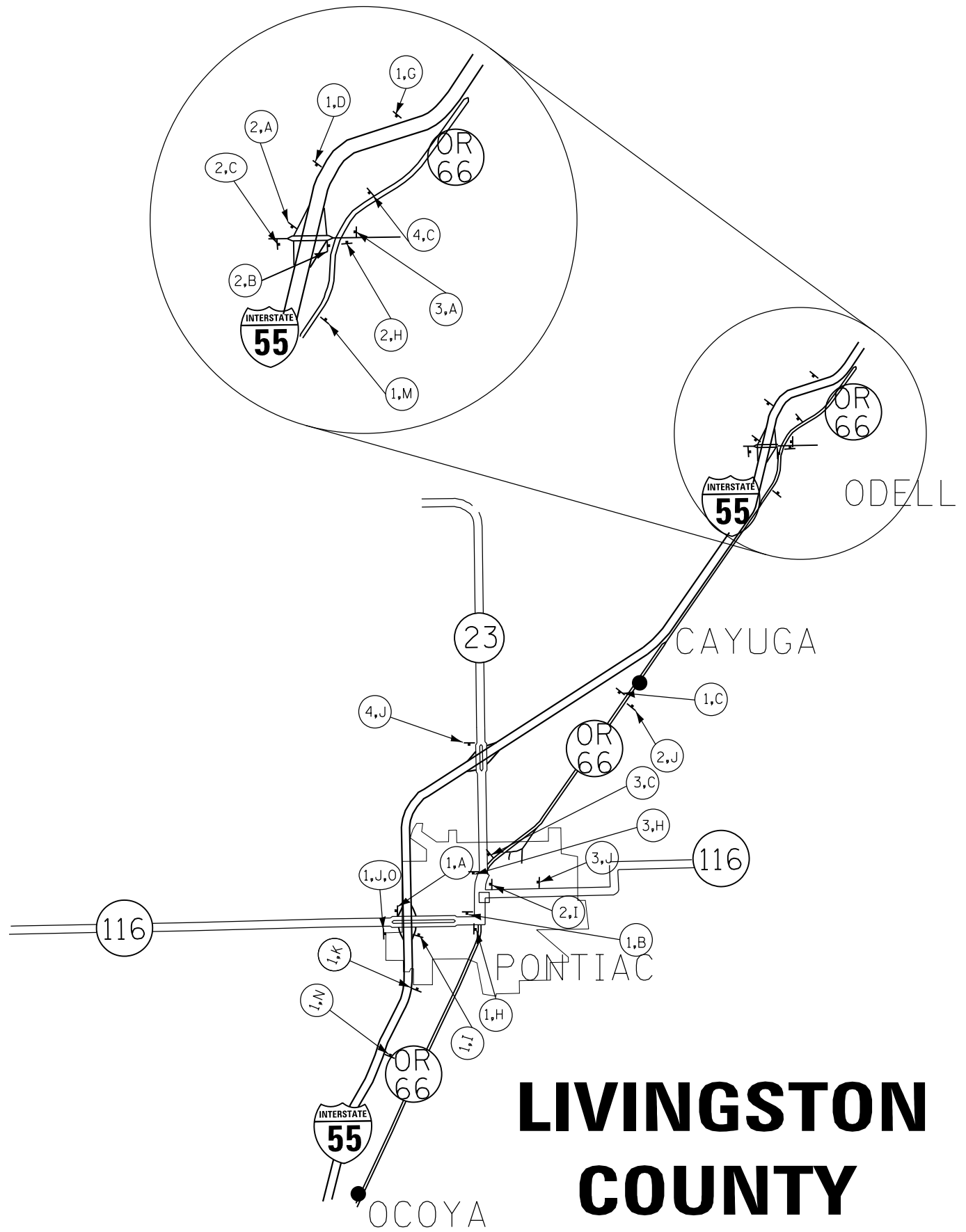
DESIGNED	
CHECKED	J.M.
DRAWN	J.D.
CHECKED	J.M.

EXAMINED *[Signature]* 19 12
 PASSED *[Signature]*
 APPROVED *[Signature]*
 CIVIL ENGINEER

N-Standard Penetration Test - Blows per foot to drive 2"
 O.D. Split Spoon Sampler 12" with 140# hammer falling 30"
 Qu-Unconfined Compressive Strength - 1/sf
 w-Water Content - percentage of oven dry weight - %
 Type - failure
 B-Bulge Failure
 S-Shear Failure
 E-Estimated Value
 P-Paralometer

BORING DATA
 F.A.I. RT. 55 SEC. 53-4B
 LIVINGSTON COUNTY
 STA. 507+11.00

FOR INFORMATION ONLY



SIGN NO.	LOCATION/DESCRIPTION
1,A	ON WB IL 116 AT THE I-55 ON RAMP TO I-55
2,A	END OF I-55 SB OFF RAMP TO ODELL ROAD
3,A	ON WB CH 1 (ODELL ROAD), AT THE OR 66 INTERSECTION
1,B	ON SB IL 23 AT THE INTERSECTION WITH IL 116
2,B	ON EB CH 1 (ODELL ROAD), AT THE OR 66 INTERSECTION
1,C	ON SB OR 66, MIDWAY BETWEEN CH 1 (ODELL RD) AND IL 116
2,C	ON EB CH 1 (ODELL ROAD), BEFORE THE I-55 SB ON-RAMP
3,C	ON SB OR 66, AT THE IL 23 INTERSECTION
4,C	ON SB OR66, AT THE CH 1 (ODELL RD) INTERSECTION
1,D	ON I-55 SB, AT THE I-55 OFF RAMP TO CH 1 (ODELL RD)
1,E	ON SB OR 66, 500' BEFORE WEST IL 116
1,G	ON SB I-55 ONE MILE NORTH OF CH 1 (ODELL RD) OFF RAMP
1,H	ON EB IL 116, AT THE OR 66 INTERSECTION
2,H	ON NB OR66, AT THE CH 1 (ODELL ROAD) INTERSECTION
3,H	ON SB IL 23, AT THE OR 66 INTERSECTION
1,I	END OF I-55 NB OFF RAMP TO IL 116
2,I	ON WB IL 116, AT THE IL 23 INTERSECTION
1,J	ON EB IL 116, JUST WEST OF THE I-55 NB ON-RAMP
2,J	ON NB OR 66, MIDWAY BETWEEN CH 1 (ODELL RD) AND IL 116
4,J	ON SB IL 23, JUST NORTH OF THE IL 23 INTERCHANGE
5,J	ON NB OR 66, 500' SOUTH OF WEST IL 116
6,J	ON NB OR 66, 400' SOUTH OF THE IL 23 JCT *
7,J	ON NB OR 66, 100' SOUTH OF THE IL 23 JCT *
8,J	ON NB OR 66, 500' SOUTH OF EAST IL 116
1,K	ON NB I-55 AT THE IL 116 OFF-RAMP
1,M	ON OR 66, 1000' S OF THE CH 1 (ODELL RD) INTERSECTION
2,M	ON EB IL 116, 500' WEST OF OR 66 **
3,M	ON SB IL 23, 250' NORTH OF OR 66
1,N	ON NB I-55 ONE MILE SOUTH OF THE THE IL 116 OFF-RAMP

- * ADJACENT TO THE IL 23 ADVANCE LEFT TURN SIGN ASSEMBLY
- ** ADJACENT TO THE ADVANCE LEFT TURN FOR IL 116 SIGN

A	B	C	D	E	F	G	H	I	J	K	L	M	N
ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT
SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH
55	55	55	55	55	55	55	55	55	55	55	55	55	55
←	→	↑	↗	↘	↖	↙	←	→	↑	↗	↘	↖	↙
M3-4 M1-1 M6-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-3	M3-4 M1-1 M6-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-3	M3-4 M1-1 M6-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-2

SOUTH & NORTH SIGNS ARE BLUE WITH WHITE, ALT & ALL DIRECTIONAL ARROWS → ARE FLUORESCENT ORANGE

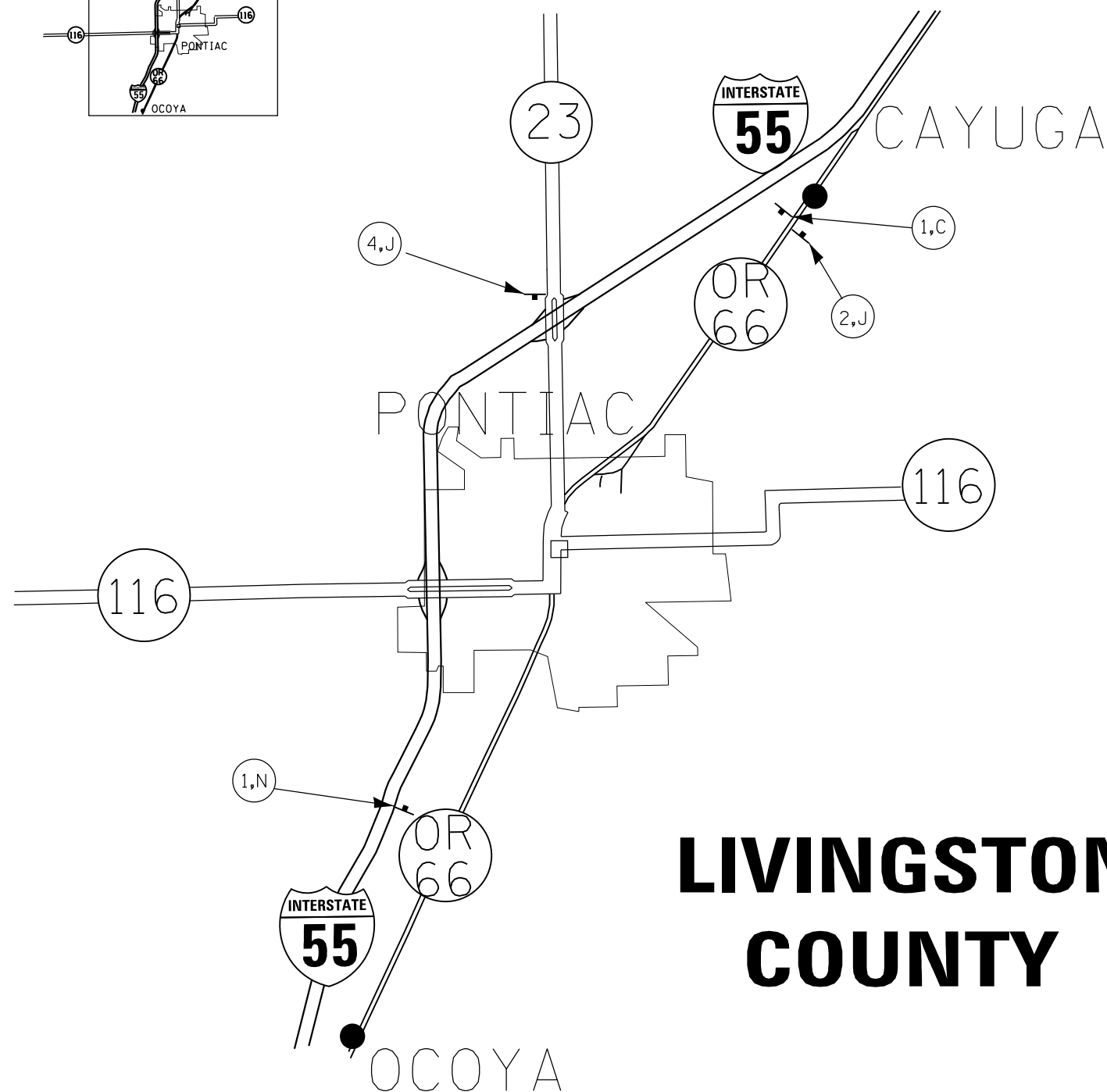
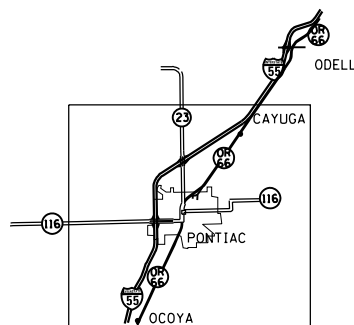
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Default	PLOT DATE = 4/6/2017	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALTERNATE ROUTE

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	119
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				



SIGN NO.	LOCATION/DESCRIPTION
1,A	ON WB IL 116 AT THE I-55 ON RAMP TO I-55
2,A	END OF I-55 SB OFF RAMP TO ODELL ROAD
3,A	ON WB CH 1 (ODELL ROAD), AT THE OR 66 INTERSECTION
1,B	ON SB IL 23 AT THE INTERSECTION WITH IL 116
2,B	ON EB CH 1 (ODELL ROAD), AT THE OR 66 INTERSECTION
1,C	ON SB OR 66, MIDWAY BETWEEN CH 1 (ODELL RD) AND IL 116
2,C	ON EB CH 1 (ODELL ROAD), BEFORE THE I-55 SB ON-RAMP
3,C	ON SB OR 66, AT THE IL 23 INTERSECTION
4,C	ON SB OR66, AT THE CH 1 (ODELL RD) INTERSECTION
1,D	ON I-55 SB, AT THE I-55 OFF RAMP TO CH 1 (ODELL RD)
1,E	ON SB OR 66, 500' BEFORE WEST IL 116
1,G	ON SB I-55 ONE MILE NORTH OF CH 1 (ODELL RD) OFF RAMP
1,H	ON EB IL 116, AT THE OR 66 INTERSECTION
2,H	ON NB OR66, AT THE CH 1 (ODELL ROAD) INTERSECTION
3,H	ON SB IL 23, AT THE OR 66 INTERSECTION
1,I	END OF I-55 NB OFF RAMP TO IL 116
2,I	ON WB IL 116, AT THE IL 23 INTERSECTION
1,J	ON EB IL 116, JUST WEST OF THE I-55 NB ON-RAMP
2,J	ON NB OR 66, MIDWAY BETWEEN CH 1 (ODELL RD) AND IL 116
4,J	ON SB IL 23, JUST NORTH OF THE IL 23 INTERCHANGE
5,J	ON NB OR 66, 500' SOUTH OF WEST IL 116
6,J	ON NB OR 66, 400' SOUTH OF THE IL 23 JCT •
7,J	ON NB OR 66, 100' SOUTH OF THE IL 23 JCT •
8,J	ON NB OR 66, 500' SOUTH OF EAST IL 116
1,K	ON NB I-55 AT THE IL 116 OFF-RAMP
1,M	ON OR 66, 1000' S OF THE CH 1 (ODELL RD) INTERSECTION
2,M	ON EB IL 116, 500' WEST OF OR 66 **
3,M	ON SB IL 23, 250' NORTH OF OR 66
1,N	ON NB I-55 ONE MILE SOUTH OF THE THE IL 116 OFF-RAMP

- ADJACENT TO THE IL 23 ADVANCE LEFT TURN SIGN ASSEMBLY
- ** ADJACENT TO THE ADVANCE LEFT TURN FOR IL 116 SIGN

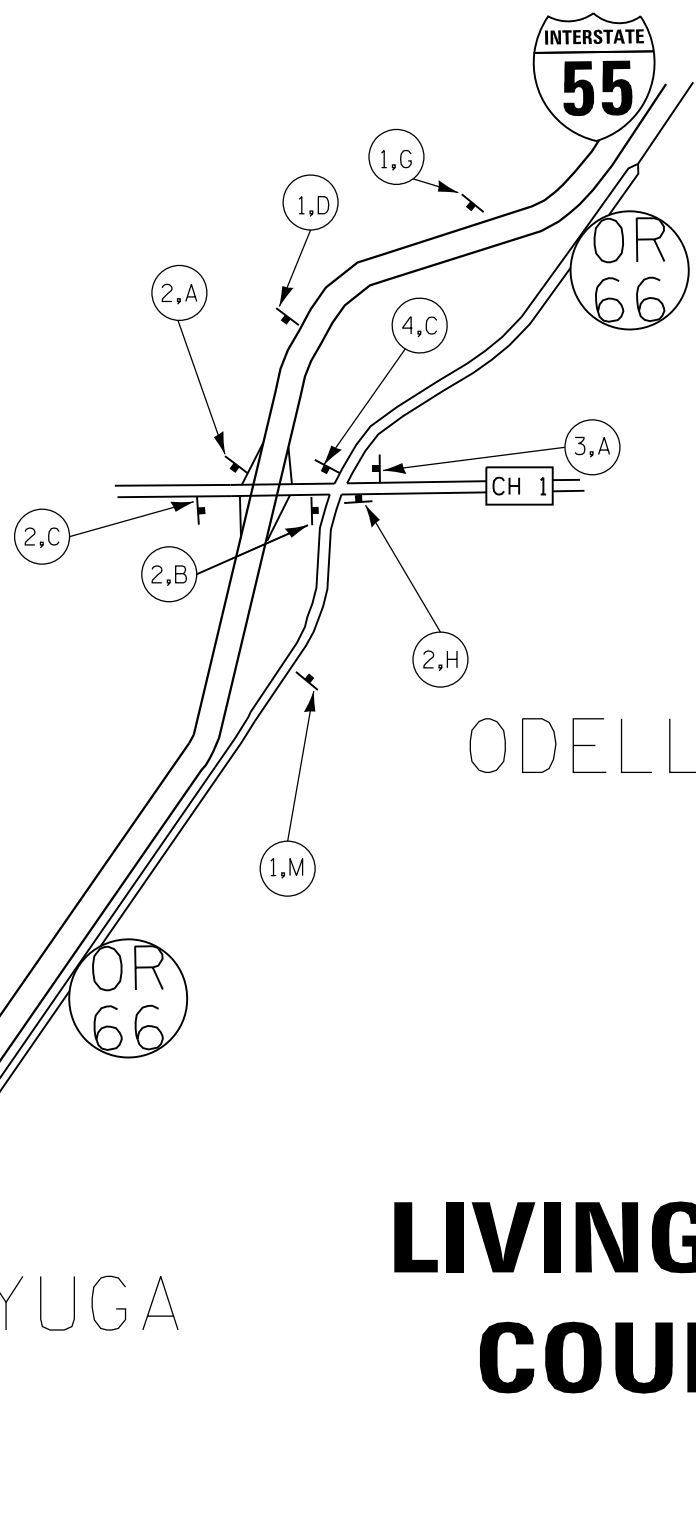
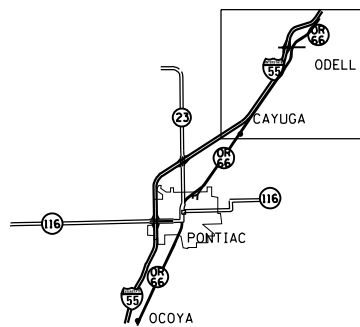
LIVINGSTON COUNTY

A	B	C	D	E	F	G	H	I	J	K	L	M	N
ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT
SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH
55	55	55	55	55	55	55	55	55	55	55	55	55	55
←	→	↑	↗	↘	↖	↗	←	→	↑	↗	↘	↖	↗
M3-4 M1-1 M6-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-3	M3-4 M1-1 M6-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-3	M3-4 M1-1 M6-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-2

SOUTH & **NORTH** SIGNS ARE BLUE WITH WHITE, **ALT** & ALL DIRECTIONAL ARROWS ARE FLUORESCENT ORANGE

PERMIT LOADS MUST REMAIN ON APPROVED ROUTE, AVOID USING ALT ROUTE.

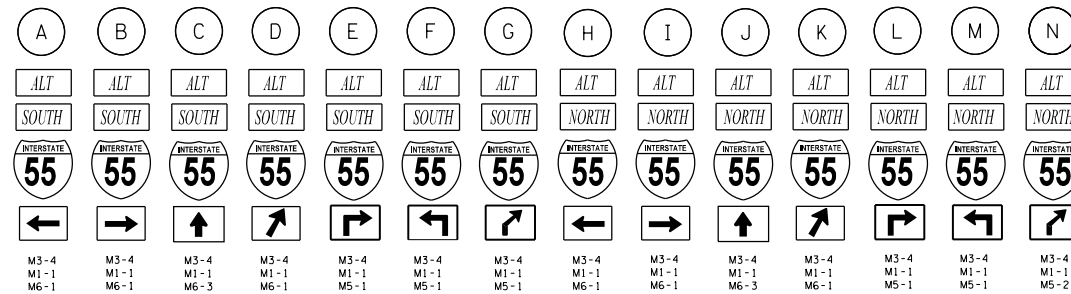
FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALTERNATE ROUTE			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 3\Projects\0366\Final\Drawings\0366F23-sht-detai		CHECKED -	REVISED -		55	(53-4IR&I)	LIVINGSTON	242	120			
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66F23							
	PLOT DATE = 4/6/2017	DATE -	REVISED -		SCALE:	SHEET NO. 42 OF 74 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



LIVINGSTON COUNTY

SIGN NO.	LOCATION/DESCRIPTION
1,A	ON WB IL 116 AT THE I-55 ON RAMP TO I-55
2,A	END OF I-55 SB OFF RAMP TO ODELL ROAD
3,A	ON WB CH 1 (ODELL ROAD), AT THE OR 66 INTERSECTION
1,B	ON SB IL 23 AT THE INTERSECTION WITH IL 116
2,B	ON EB CH 1 (ODELL ROAD), AT THE OR 66 INTERSECTION
1,C	ON SB OR 66, MIDWAY BETWEEN CH 1 (ODELL RD) AND IL 116
2,C	ON EB CH 1 (ODELL ROAD), BEFORE THE I-55 SB ON-RAMP
3,C	ON SB OR 66, AT THE IL 23 INTERSECTION
4,C	ON SB OR66, AT THE CH 1 (ODELL RD) INTERSECTION
1,D	ON I-55 SB, AT THE I-55 OFF RAMP TO CH 1 (ODELL RD)
1,E	ON SB OR 66, 500' BEFORE WEST IL 116
1,G	ON SB I-55 ONE MILE NORTH OF CH 1 (ODELL RD) OFF RAMP
1,H	ON EB IL 116, AT THE OR 66 INTERSECTION
2,H	ON NB OR66, AT THE CH 1 (ODELL ROAD) INTERSECTION
3,H	ON SB IL 23, AT THE OR 66 INTERSECTION
1,I	END OF I-55 NB OFF RAMP TO IL 116
2,I	ON WB IL 116, AT THE IL 23 INTERSECTION
1,J	ON EB IL 116, JUST WEST OF THE I-55 NB ON-RAMP
2,J	ON NB OR 66, MIDWAY BETWEEN CH 1 (ODELL RD) AND IL 116
4,J	ON SB IL 23, JUST NORTH OF THE IL 23 INTERCHANGE
5,J	ON NB OR 66, 500' SOUTH OF WEST IL 116
6,J	ON NB OR 66, 400' SOUTH OF THE IL 23 JCT •
7,J	ON NB OR 66, 100' SOUTH OF THE IL 23 JCT •
8,J	ON NB OR 66, 500' SOUTH OF EAST IL 116
1,K	ON NB I-55 AT THE IL 116 OFF-RAMP
1,M	ON OR 66, 1000' S OF THE CH 1 (ODELL RD) INTERSECTION
2,M	ON EB IL 116, 500' WEST OF OR 66 **
3,M	ON SB IL 23, 250' NORTH OF OR 66
1,N	ON NB I-55 ONE MILE SOUTH OF THE THE IL 116 OFF-RAMP

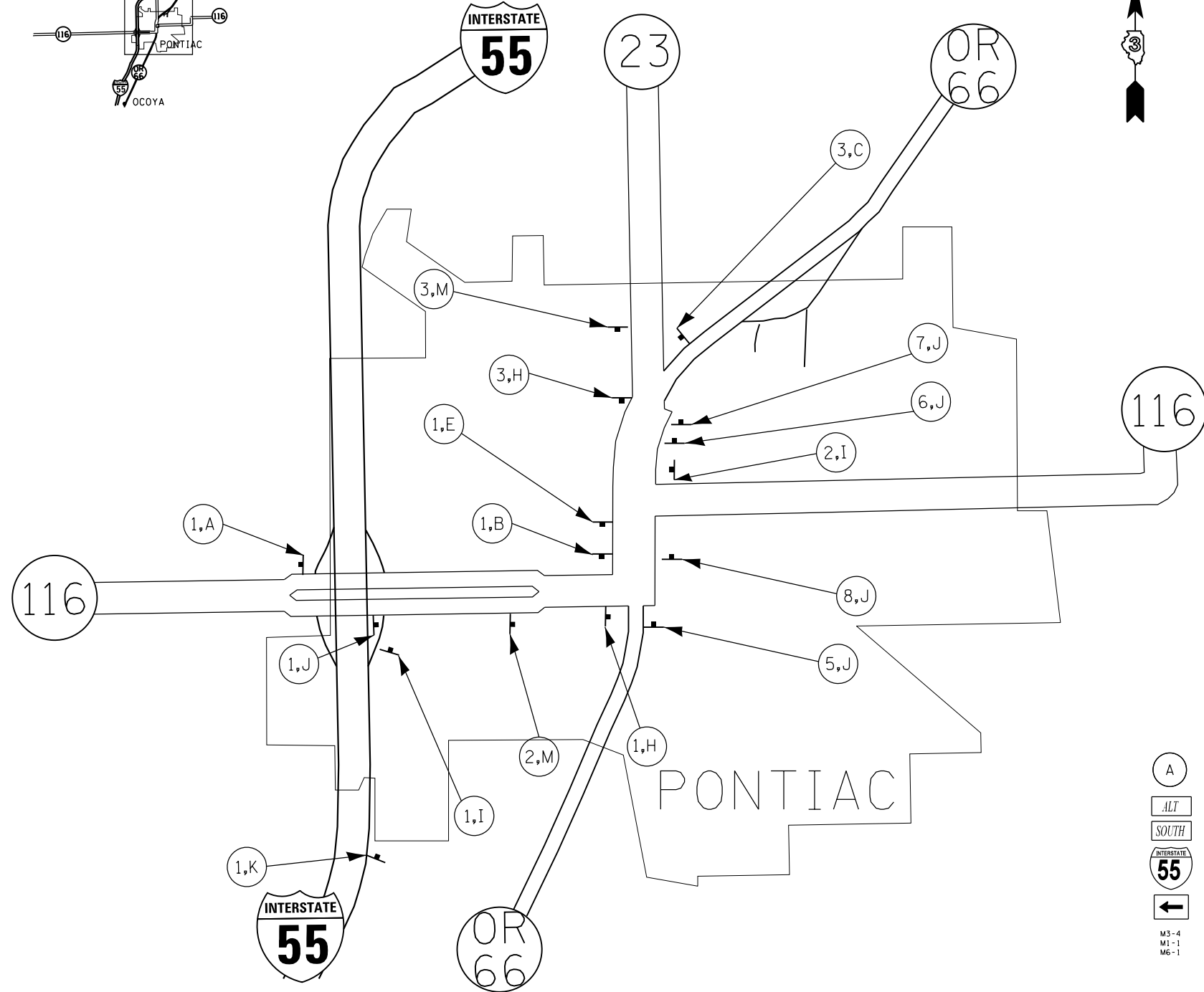
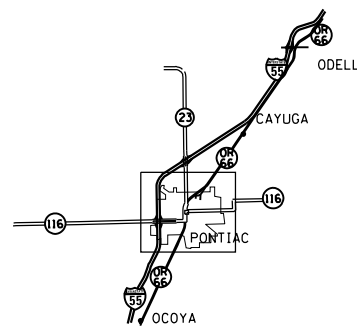
- ADJACENT TO THE IL 23 ADVANCE LEFT TURN SIGN ASSEMBLY
- ** ADJACENT TO THE ADVANCE LEFT TURN FOR IL 116 SIGN



SOUTH & **NORTH** SIGNS ARE BLUE WITH WHITE, **ALT** & ALL DIRECTIONAL ARROWS ARE FLUORESCENT ORANGE

PERMIT LOADS MUST REMAIN ON APPROVED ROUTE, AVOID USING ALT ROUTE.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALTERNATE ROUTE SIGNING SHEET			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 3\Projects\0366\Drawings\EA\Drawings\0366F23-sht-detail.dwg		CHECKED -	REVISED -		55	(53-4IR&I)	LIVINGSTON	242	121			
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET NO. 42 OF 74 SHEETS STA. TO STA.			CONTRACT NO. 66F23				
	PLOT DATE = 4/6/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



SIGN NO.	LOCATION/DESCRIPTION
1,A	ON WB IL 116 AT THE I-55 ON RAMP TO I-55
2,A	END OF I-55 SB OFF RAMP TO ODELL ROAD
3,A	ON WB CH 1 (ODELL ROAD), AT THE OR 66 INTERSECTION
1,B	ON SB IL 23 AT THE INTERSECTION WITH IL 116
2,B	ON EB CH 1 (ODELL ROAD), AT THE OR 66 INTERSECTION
1,C	ON SB OR 66, MIDWAY BETWEEN CH 1 (ODELL RD) AND IL 116
2,C	ON EB CH 1 (ODELL ROAD), BEFORE THE I-55 SB ON-RAMP
3,C	ON SB OR 66, AT THE IL 23 INTERSECTION
4,C	ON SB OR66, AT THE CH 1 (ODELL RD) INTERSECTION
1,D	ON I-55 SB, AT THE I-55 OFF RAMP TO CH 1 (ODELL RD)
1,E	ON SB OR 66, 500' BEFORE WEST IL 116
1,G	ON SB I-55 ONE MILE NORTH OF CH 1 (ODELL RD) OFF RAMP
1,H	ON EB IL 116, AT THE OR 66 INTERSECTION
2,H	ON NB OR66, AT THE CH 1 (ODELL ROAD) INTERSECTION
3,H	ON SB IL 23, AT THE OR 66 INTERSECTION
1,I	END OF I-55 NB OFF RAMP TO IL 116
2,I	ON WB IL 116, AT THE IL 23 INTERSECTION
1,J	ON EB IL 116, JUST WEST OF THE I-55 NB ON-RAMP
2,J	ON NB OR 66, MIDWAY BETWEEN CH 1 (ODELL RD) AND IL 116
4,J	ON SB IL 23, JUST NORTH OF THE IL 23 INTERCHANGE
5,J	ON NB OR 66, 500' SOUTH OF WEST IL 116
6,J	ON NB OR 66, 400' SOUTH OF THE IL 23 JCT *
7,J	ON NB OR 66, 100' SOUTH OF THE IL 23 JCT *
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1,K	ON NB I-55 AT THE IL 116 OFF-RAMP
1,M	ON OR 66, 1000' S OF THE CH 1 (ODELL RD) INTERSECTION
2,M	ON EB IL 116, 500' WEST OF OR 66 **
3,M	ON SB IL 23, 250' NORTH OF OR 66
1,N	ON NB I-55 ONE MILE SOUTH OF THE THE IL 116 OFF-RAMP

* ADJACENT TO THE IL 23 ADVANCE LEFT TURN SIGN ASSEMBLY
 ** ADJACENT TO THE ADVANCE LEFT TURN FOR IL 116 SIGN

A	B	C	D	E	F	G	H	I	J	K	L	M	N
ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT
SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	SOUTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH	NORTH
INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55	INTERSTATE 55
←	→	↑	↗	↘	↖	↗	←	→	↑	↗	↘	↖	↗
M3-4 M1-1 M6-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-3	M3-4 M1-1 M6-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-1	M3-4 M1-1 M6-3	M3-4 M1-1 M6-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-1	M3-4 M1-1 M5-2

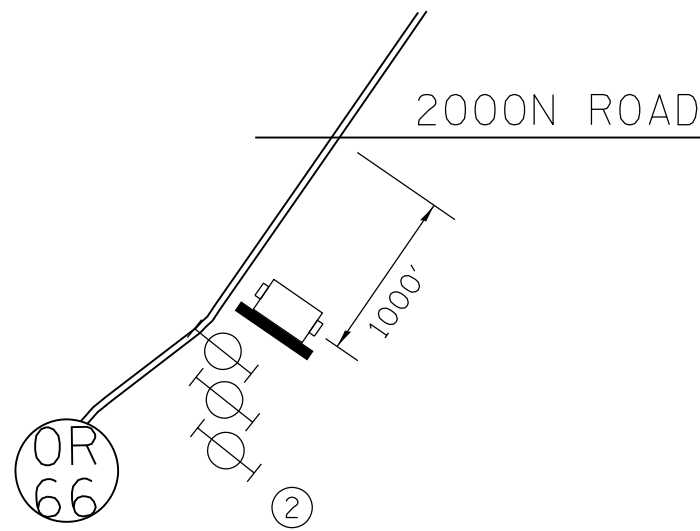
SOUTH & NORTH SIGNS ARE BLUE WITH WHITE, ALT & ALL DIRECTIONAL ARROWS ARE FLUORESCENT ORANGE

PERMIT LOADS MUST REMAIN ON APPROVED ROUTE, AVOID USING ALT ROUTE.

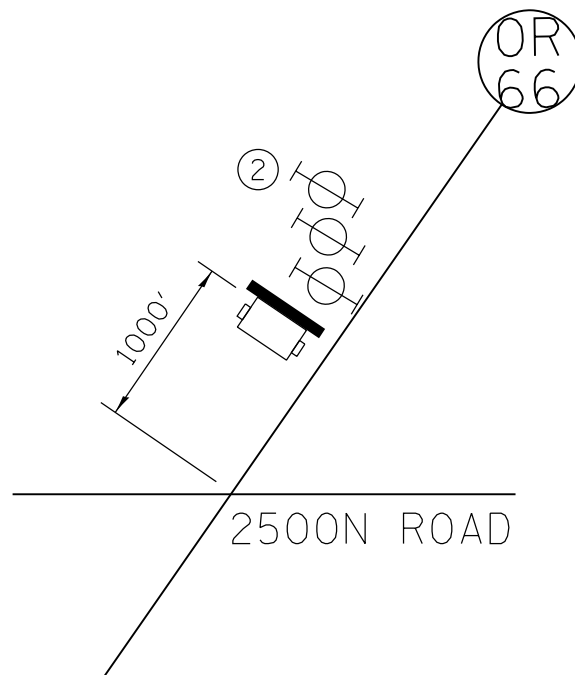
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Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 66F23				
									ILLINOIS FED. AID PROJECT				

NOTES:

- 1.) ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
- 2.) MESSAGE BOARDS SHALL BE INSTALLED 2 WEEKS PRIOR, AND DURING THE CLOSURE OF TR 2170 N.
- 3.) MESSAGE BOARDS SHALL BE USED TO NOTIFY MOTORISTS I-55 OVERPASS CLOSED AT 2170N
- 4.) LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
- 5.) TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES, THE HIGHWAY STANDARDS AND SPECIAL PROVISIONS.

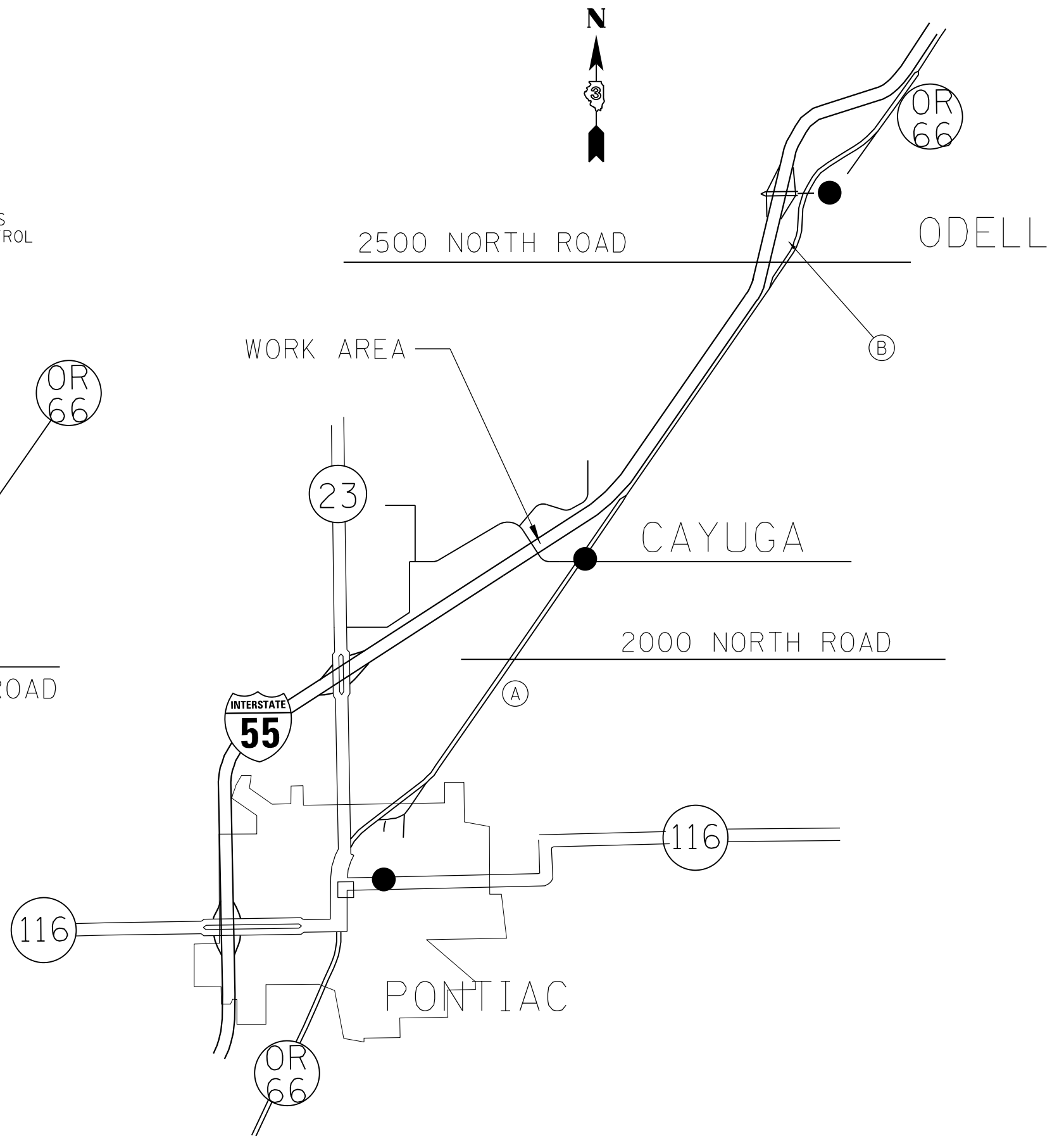


(A) LOCATION A



(B) LOCATION B

- ① Portable Changeable Message Sign
- ② Three, Type 2 barricade, drum, or vertical barricades with monodirectional flashing light at 25' centers.
- Urban Area



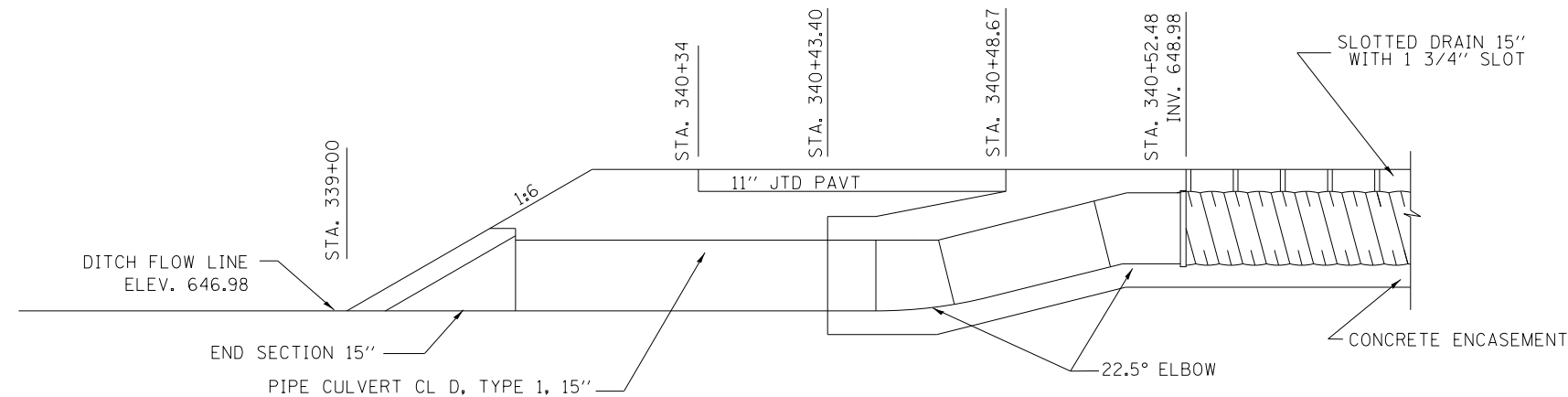
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TR 101 MESSAGE BOARDS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	123
				CONTRACT NO. 66F23
ILLINOIS FED. AID PROJECT				



SLOTTED DRAIN TRANSITION DETAIL
(SEE SPECIAL PROVISION FOR BASIS OF PAYMENT)

GENERAL NOTES:

CONSTRUCTION OF MEDIAN CROSSOVER SHALL CONFORM TO THE REQUIREMENTS OF CURRENT STANDARD SPECIFICATIONS.

JOINTS SHALL BE SAWED ACCORDING TO STANDARD 420101 AND THE DETAILS SPECIFIED IN THE PLANS. ALL JOINTS SHALL BE SEALED.

TRAFFIC CONTROL STANDARD 701416 IS TO BE USED WITH THIS DETAIL.

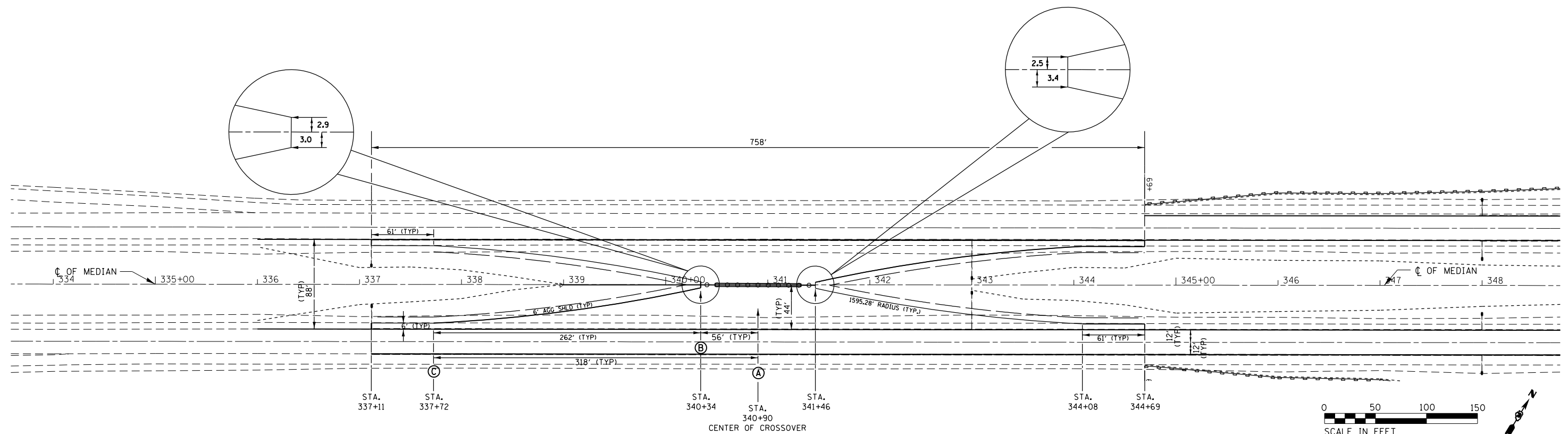
WORK PAID UNDER "SLOTTED DRAIN 15" WITH 1 3/4" SLOT" WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR AND SHALL INCLUDE DRILLING HOLES IN GRATING, SUPPLYING AND PLACING A1(e) and U(e) BARS, CONCRETE ENCASUREMENT, TIE BARS AND GRATING AS SPECIFIED ON PLANS. SEE SPECIAL PROVISIONS.

SUPPLYING AND INSTALLING DOWEL BARS AND TIE BARS SHALL BE INCLUDED IN THE COST OF "PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED) EXCEPT FOR THE FOLLOWING:

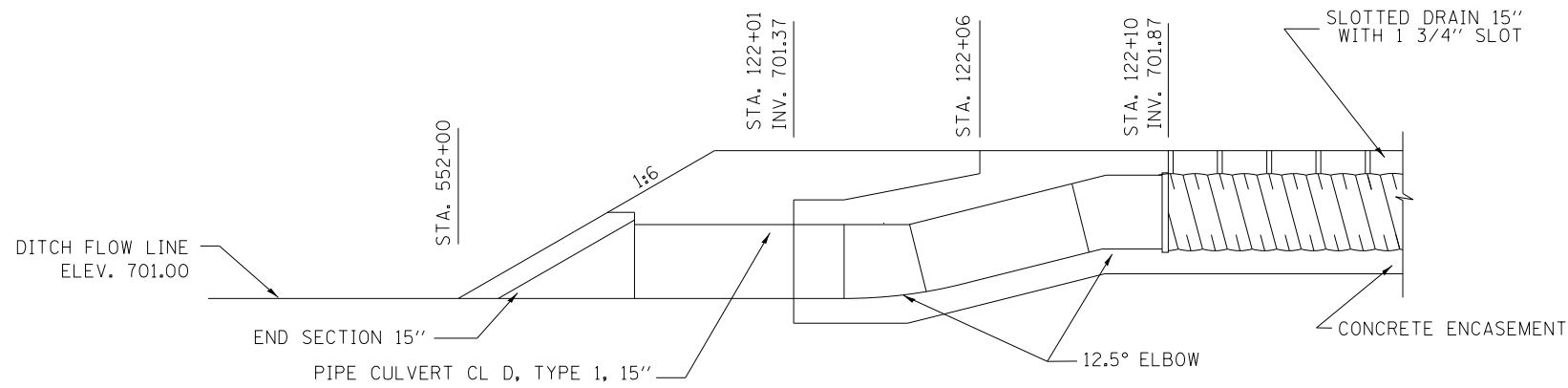
TIE BARS SHALL BE PAID FOR SEPARATELY AT THE LOCATIONS WHERE TIE BARS WILL BE INSERTED INTO EXISTING PAVEMENT AS SHOWN IN THE PLAN DETAILS

DISTANCE FROM LOCATION STATION	TABLE OF OFFSETS AND SLOPES																								
	337+72	337+90	338+15	338+40	338+65	338+90	339+15	339+40	339+65	339+90	340+15	340+34	340+90	341+46	341+65	341+90	342+15	342+40	342+65	342+90	343+15	343+40	343+65	343+90	344+08
OFFSETS FROM INSIDE EOP NORTHBOUND	6.00	6.90	8.62	10.74	13.25	16.16	19.48	23.19	27.32	31.85	36.79	40.79	42.05	40.41	36.43	31.51	27.00	22.90	19.21	15.92	13.03	10.54	8.44	6.75	6.00
% SLOPE NORTHBOUND	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
OFFSETS FROM INSIDE EOP SOUTHBOUND	6.00	7.02	8.77	10.91	13.44	16.37	19.71	23.44	27.59	32.14	37.11	41.13	42.77	42.79	37.48	32.49	27.91	23.74	19.98	16.63	13.67	11.11	8.96	7.19	6.00
% SLOPE SOUTHBOUND	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.05%	2.12%	2.23%	2.32%	2.49%	2.40%	2.33%	2.20%	2.11%	2.03%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%

* % SLOPE FROM 8' O/S EOP TO SLOTTED DRAIN ENCASUREMENT.



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOUTH CROSSOVER STA. 340 + 90				F.A.I. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
Default		CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	55	(53-4)R&I	LIVINGSTON	242	124
		DATE -	REVISED -						CONTRACT NO. 66F23							
									ILLINOIS FED. AID PROJECT							



SLOTTED DRAIN TRANSITION DETAIL
(SEE SPECIAL PROVISION FOR BASIS OF PAYMENT)

GENERAL NOTES:

CONSTRUCTION OF MEDIAN CROSSOVER SHALL CONFORM TO THE REQUIREMENTS OF CURRENT STANDARD SPECIFICATIONS.

JOINTS SHALL BE SAWED ACCORDING TO STANDARD 420101 AND THE DETAILS SPECIFIED IN THE PLANS. ALL JOINTS SHALL BE SEALED.

TRAFFIC CONTROL STANDARD 701416 IS TO BE USED WITH THIS DETAIL.

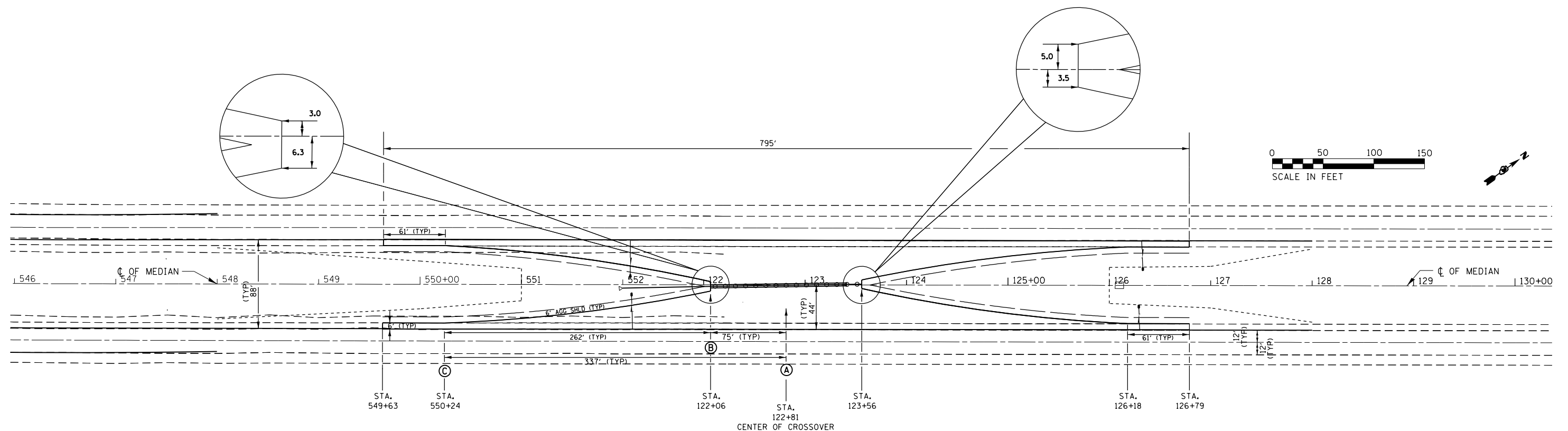
WORK PAID UNDER "SLOTTED DRAIN 15" WITH 1 3/4" SLOT" WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR AND SHALL INCLUDE DRILLING HOLES IN GRATING, SUPPLYING AND PLACING A1(e) and U(e) BARS, CONCRETE ENCASEMENT, TIE BARS AND GRATING AS SPECIFIED ON PLANS. SEE SPECIAL PROVISIONS.

SUPPLYING AND INSTALLING DOWEL BARS AND TIE BARS SHALL BE INCLUDED IN THE COST OF "PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED) EXCEPT FOR THE FOLLOWING:

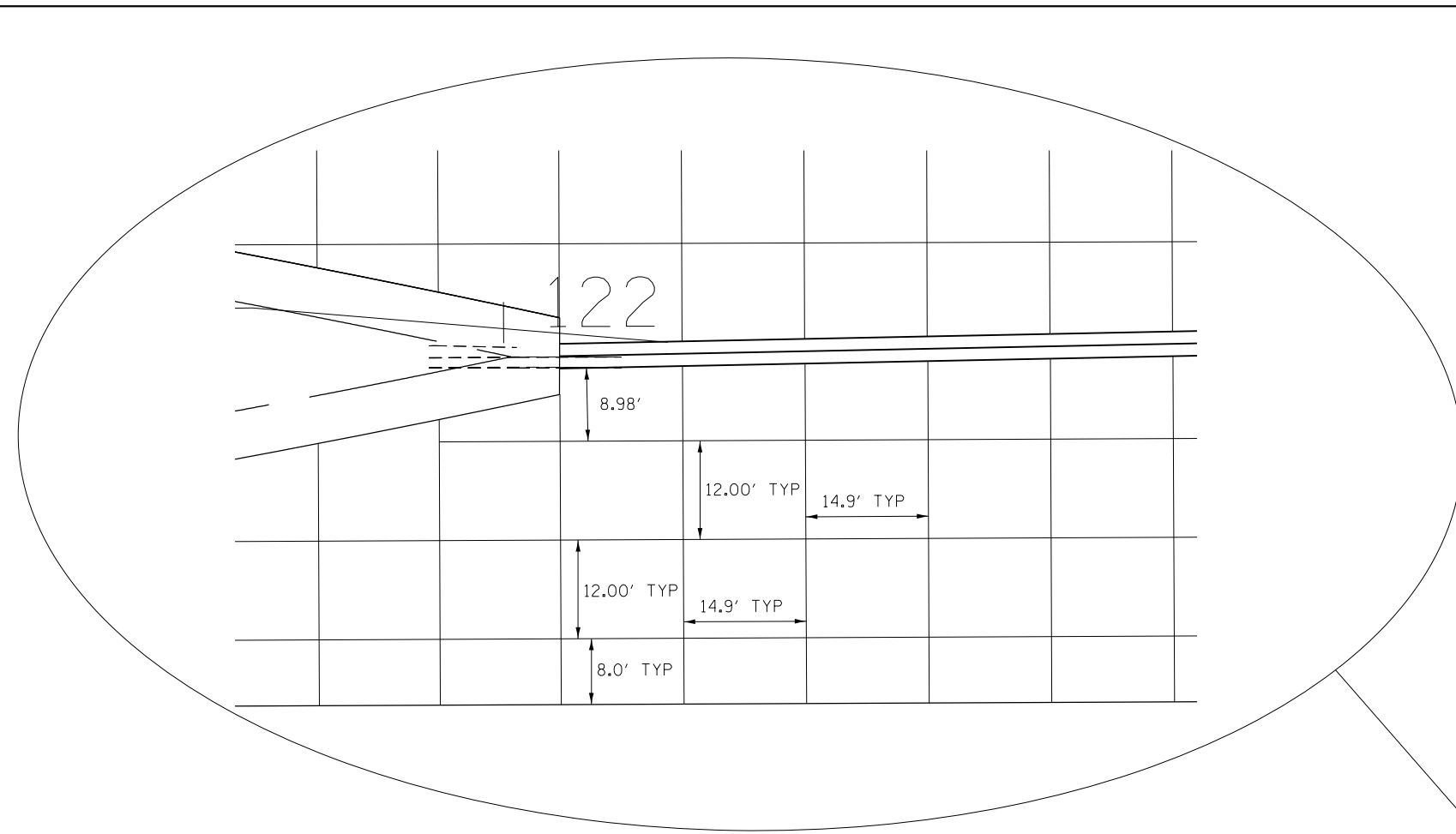
TIE BARS SHALL BE PAID FOR SEPARATELY AT THE LOCATIONS WHERE TIE BARS WILL BE INSERTED INTO EXISTING PAVEMENT AS SHOWN IN THE PLAN DETAILS

LOCATION STATION	550+24	550+61	550+86	551+11	551+36	551+61	551+86	121+31	121+56	121+81	122+06	122+31	122+81	123+31	123+56	123+81	124+06	124+31	124+56	124+81	125+06	125+31	125+56	125+81	126+18
OFFSETS FROM INSIDE EOP NORTHBOUND	6.00	8.20	10.22	12.64	15.47	18.69	22.33	26.37	30.82	35.70	40.99	43.77	42.94	42.11	38.98	33.93	29.29	25.05	21.22	17.79	14.76	12.13	9.89	8.05	6.00
% SLOPE NORTHBOUND	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%
OFFSETS FROM INSIDE EOP SOUTHBOUND	6.00	7.76	9.46	11.77	14.06	16.97	20.29	24.02	28.16	32.73	37.70	41.24	42.02	42.80	40.42	35.15	30.29	25.87	21.88	18.30	15.14	12.39	10.05	8.12	6.00
% SLOPE SOUTHBOUND *	2.00%	2.00%	2.00%	2.00%	2.00%	2.09%	2.31%	2.68%	2.85%	2.91%	2.96%	3.01%	2.96%	2.72%	2.61%	2.63%	2.61%	2.46%	2.30%	2.13%	2.00%	2.00%	2.00%	2.00%	2.00%

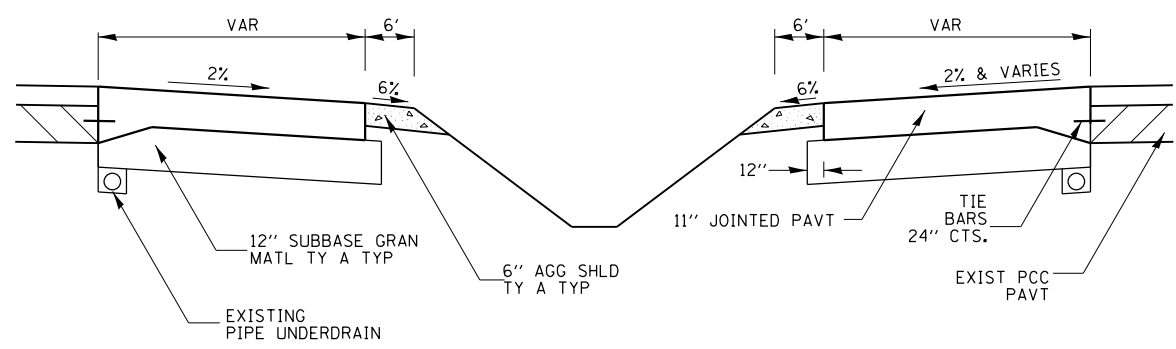
* % SLOPE FROM 8' O/S EOP TO SLOTTED DRAIN ENCASEMENT.



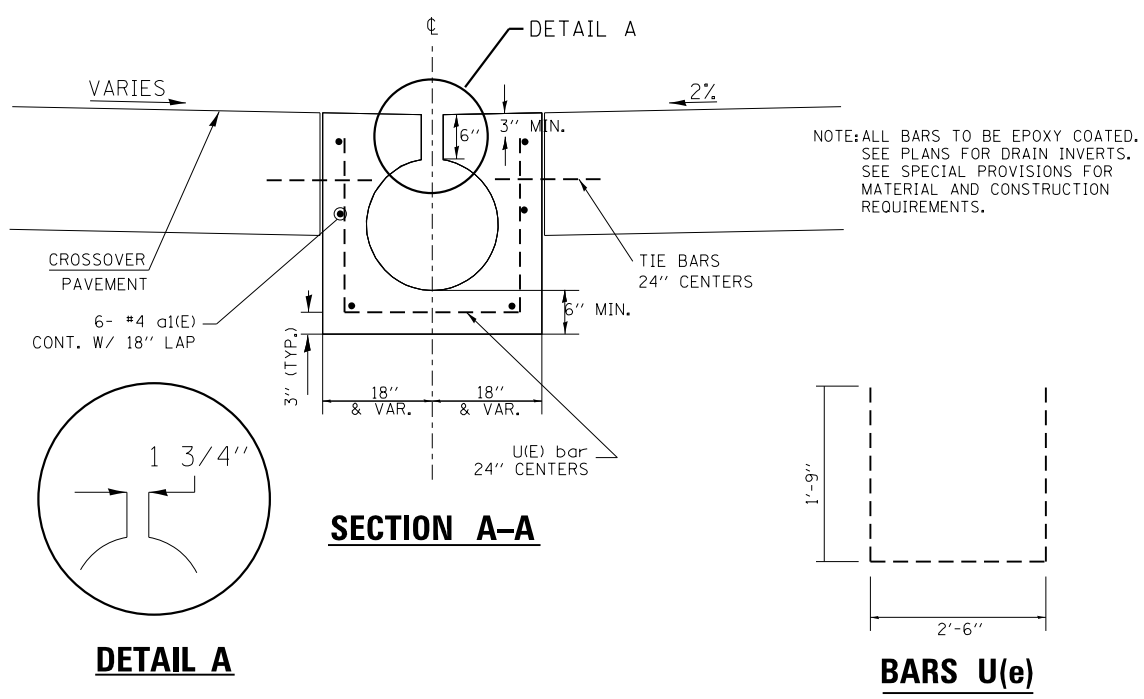
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pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\03666\Drawings\EA\Drawings\03666-23-sht-detail.dwg	DATE = 4/6/2017	CHECKED -	REVISED -					55	(53-4)R&I	LIVINGSTON	242	126
Default		DATE -	REVISED -					CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	
								SCALE:	SHEET	OF	SHEETS	STA.



SAW CUT DETAIL

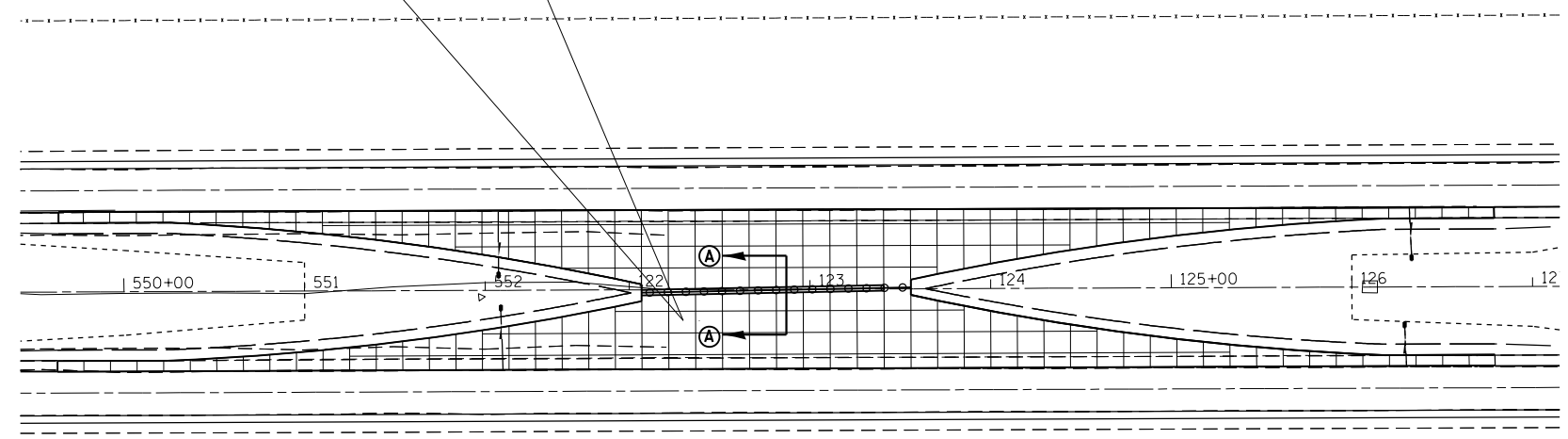


TYPICAL SECTION

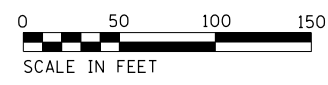


SECTION A-A

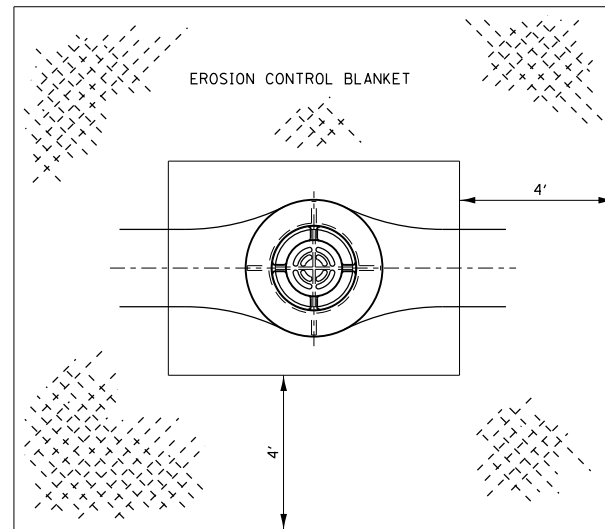
BARS U(e)



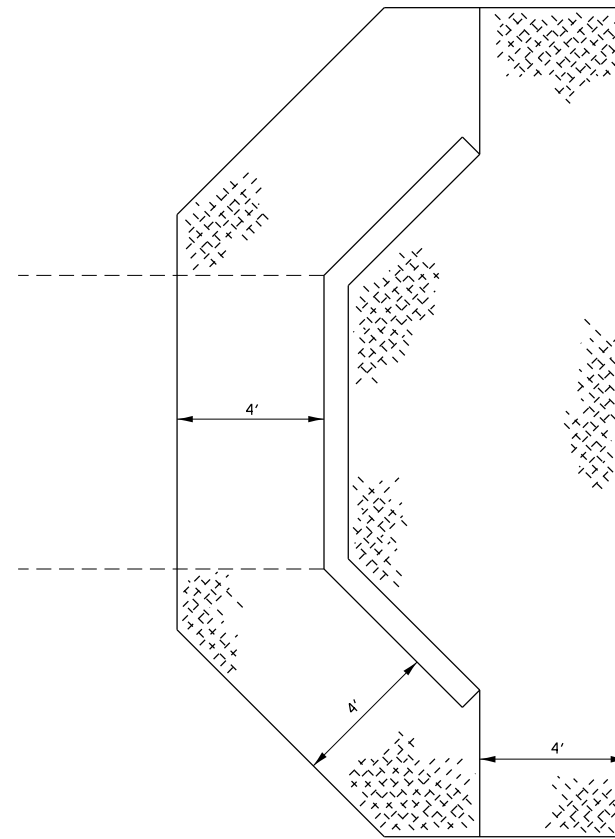
**PAVEMENT JOINT DETAIL
SOUTH CROSSOVER**



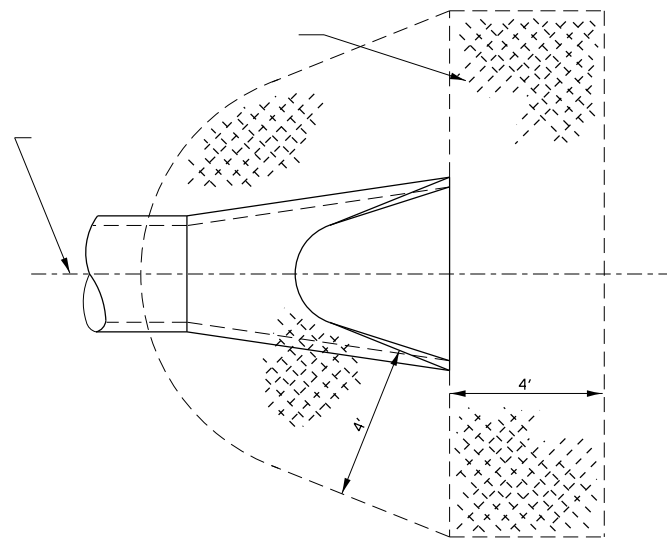
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Default	PLOT DATE = 4/6/2017	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT												



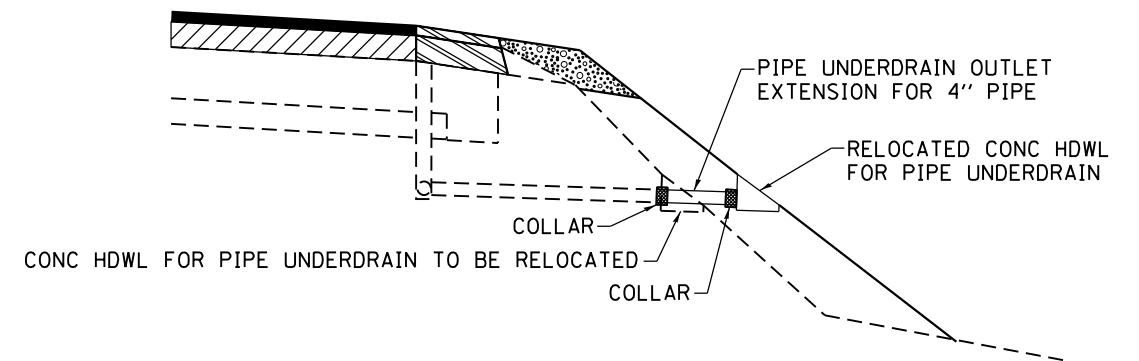
**EROSION CONTROL BLANKET
AT INLET BOXES**



**EROSION CONTROL BLANKET
AT BOX CULVERT END SECTIONS**



**DETAIL OF EROSION CONTROL BLANKET
LINING AROUND END SECTION**



PIPE UNDERDRAIN TO BE FIELD LOCATED BY THE CONTRACTOR AND AS DIRECTED BY THE ENGINEER

PIPE UNDERDRAIN OUTLET EXTENSION SPECIAL

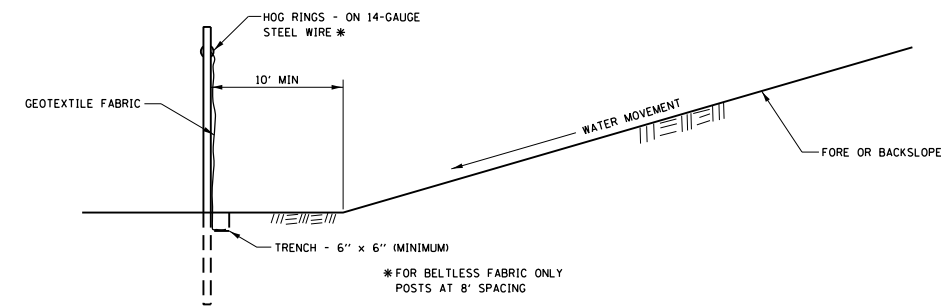
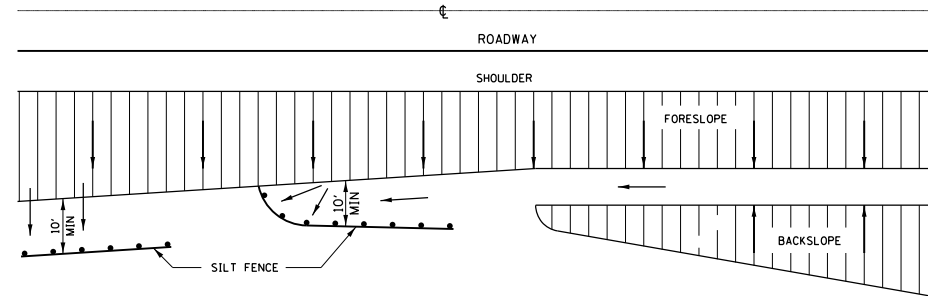
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL DETAIL
PIPE UNDERDRAIN OUTLET EXTENSION**

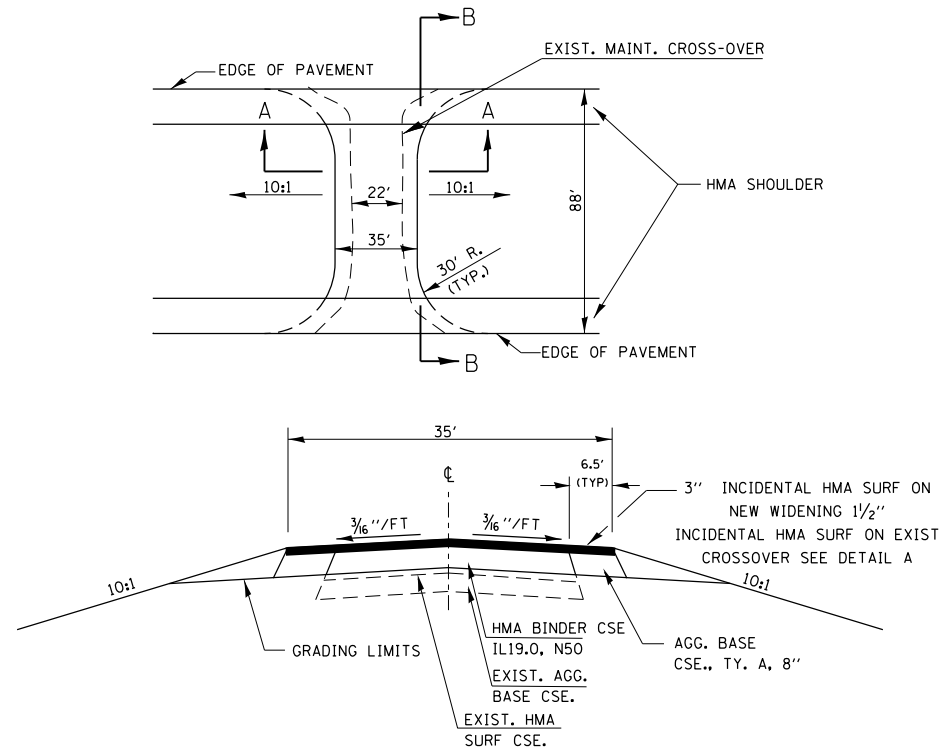
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	128
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				

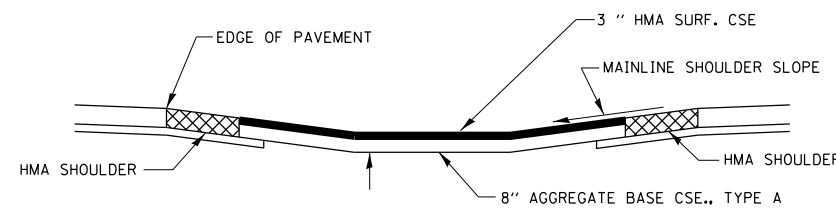


DETAILS OF SILT FENCE

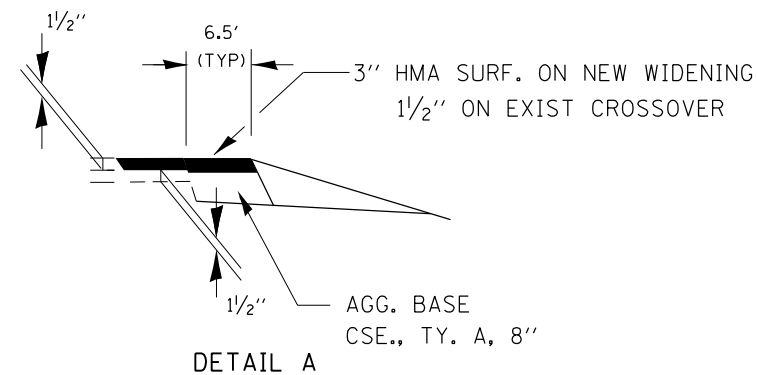
EROSION CONTROL DETAILS FOR SILT FENCE



SECTION A-A

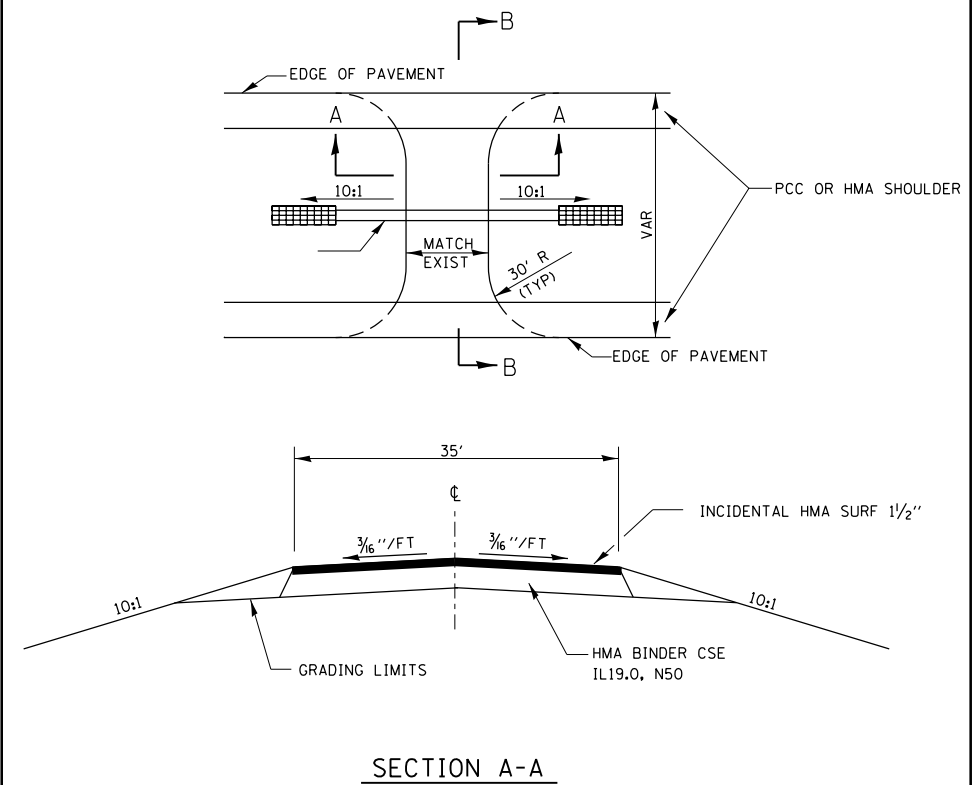


SECTION B-B

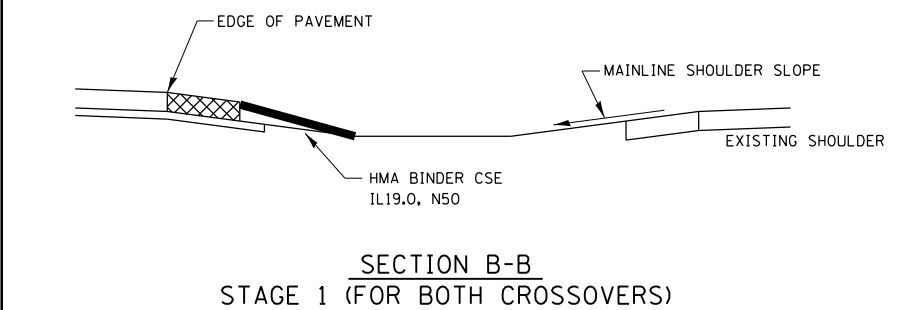


DETAIL A

HMA MAINTENANCE CROSSOVER WIDENING STA 359 + 18

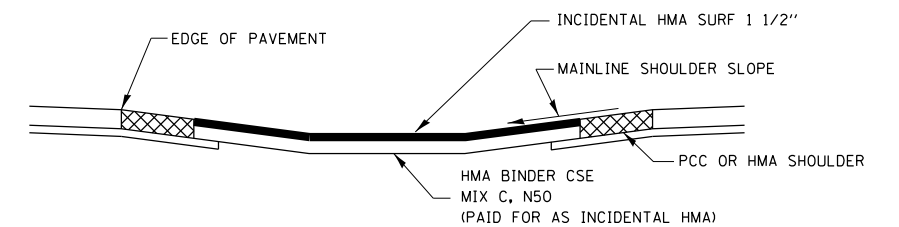


SECTION A-A



SECTION B-B STAGE 1 (FOR BOTH CROSSOVERS)

BOTH MAINTENANCE CROSSOVERS TO REMAIN OPEN AT ALL TIMES. THE CONTRACTOR SHALL PLACE HMA TO ALLOW EMERGENCY SERVICES TO ACCESS MAINTENANCE CROSSOVERS AT ALL TIMES.



SECTION B-B

HMA MAINTENANCE CROSSOVER

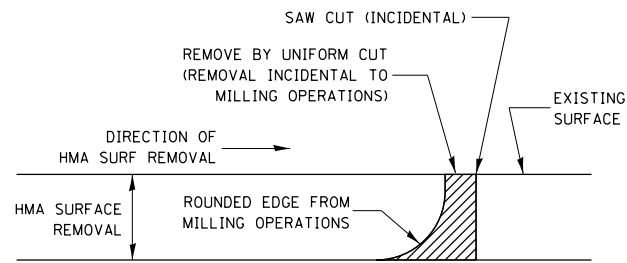
541 + 45

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	PLOT DATE = 4/22/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SILT FENCE AND MAINTENANCE CROSSOVER			
DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

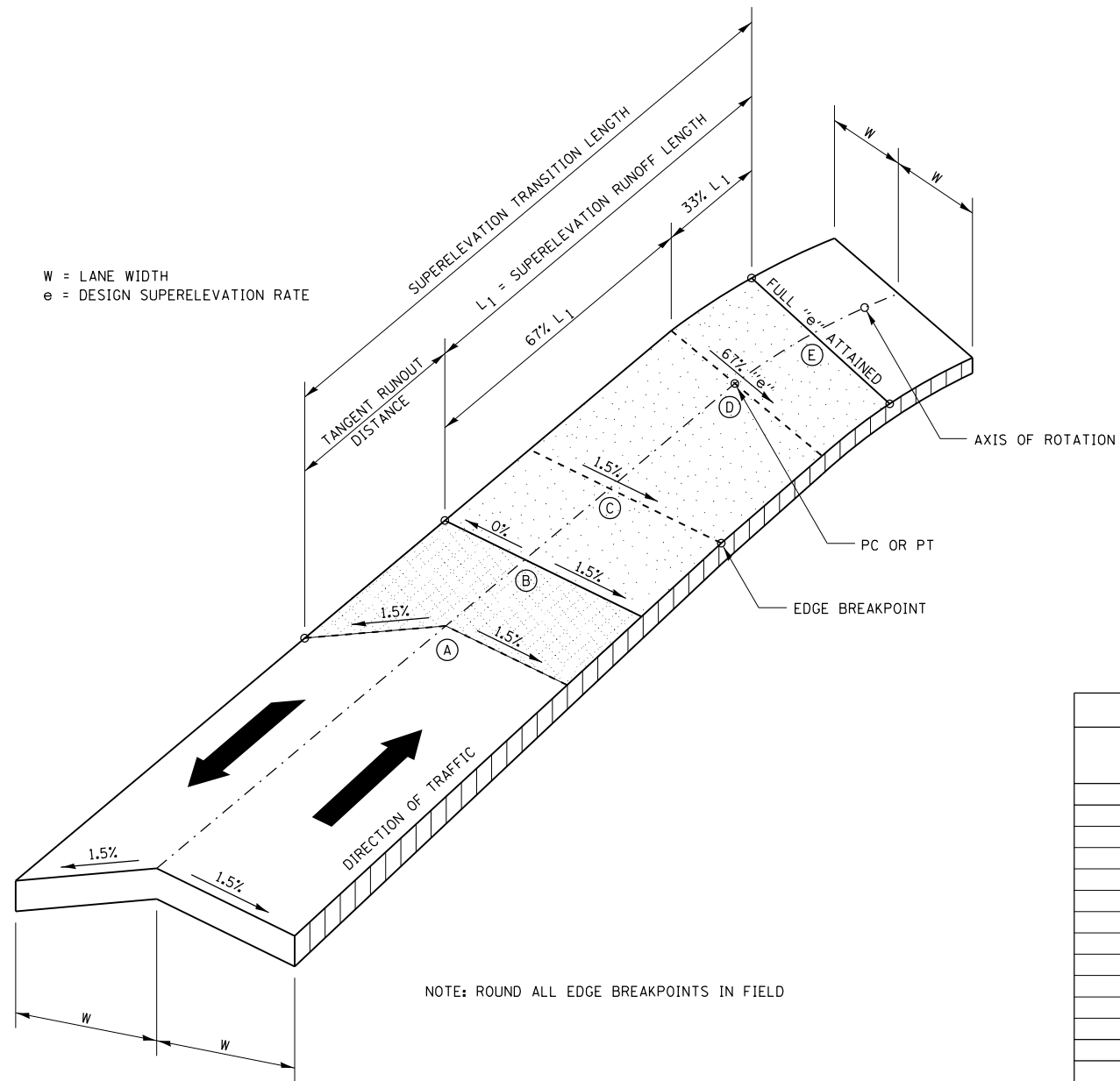
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	129
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				



NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS

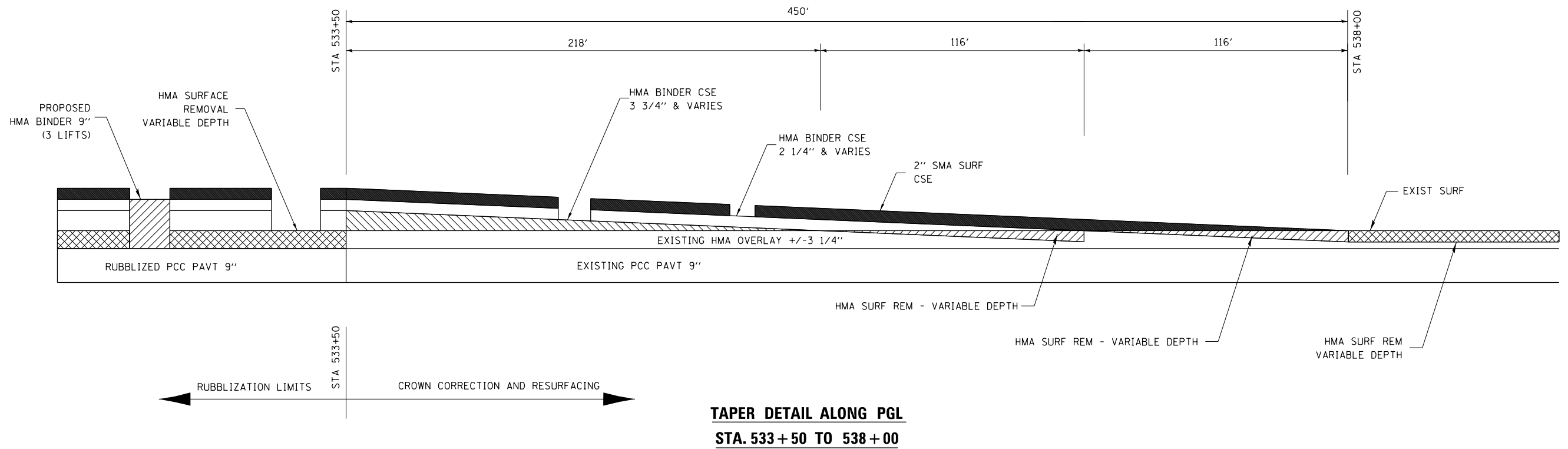
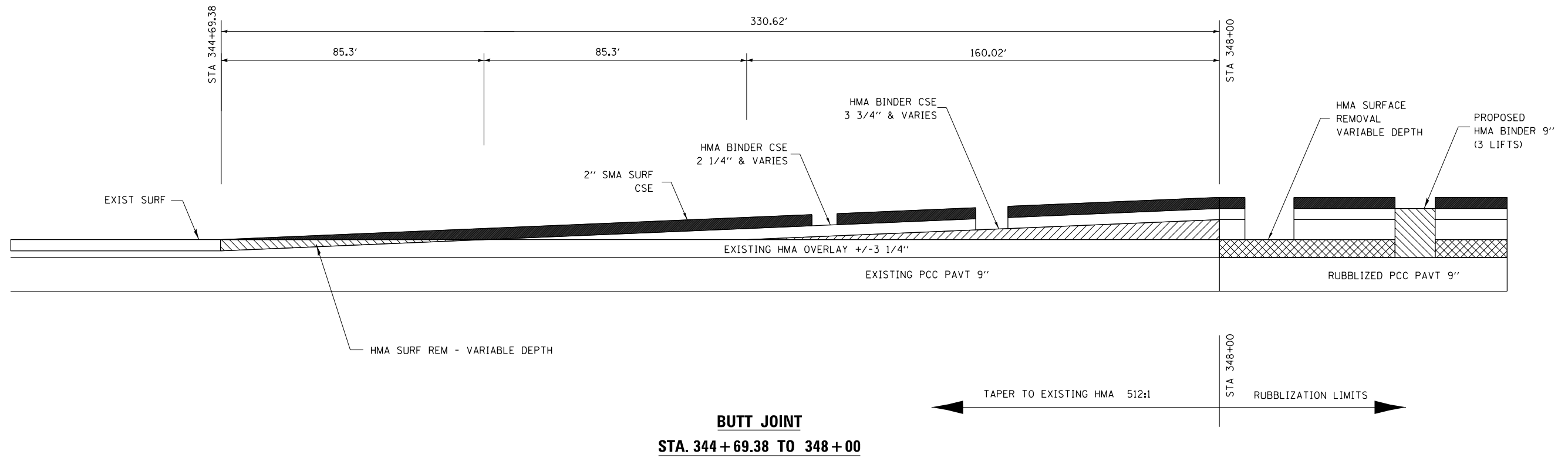
W = LANE WIDTH
e = DESIGN SUPERELEVATION RATE



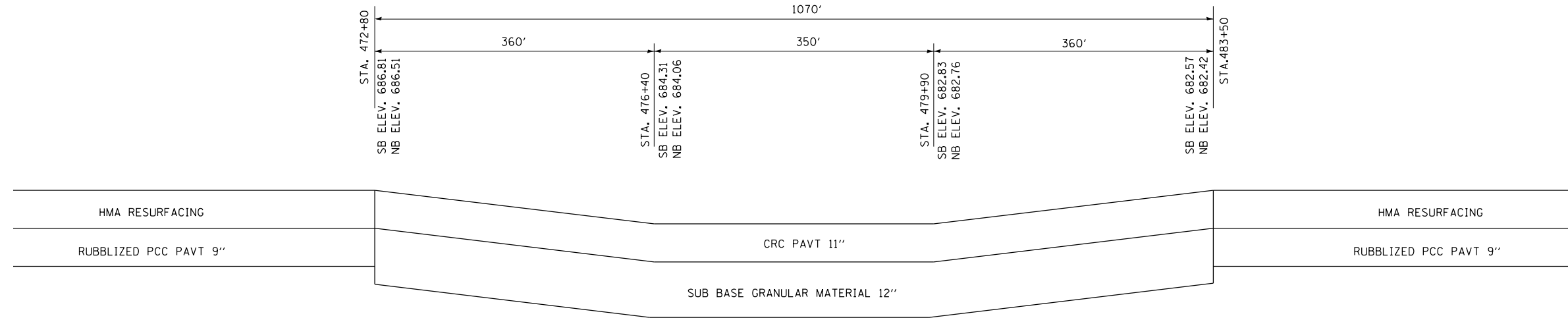
NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

SUPERELEVATION TABLE			
STATION	DESCRIPTION	LANE	
		PASSING	DRIVING
NORTHBOUND			
514+19.06	NORMAL CROWN	1.50%	-1.50%
514+65.16	HIGH SIDE @ 0%	1.50%	0.00%
515+11.16	BOTH LANES @ 1.5%	1.50%	1.50%
PC 515+49.58	67% OF FULL SUPER	2.12%	2.12%
515+91.16	FULL SUPER	2.80%	2.80%
546+11.36	FULL SUPER	2.80%	2.80%
PT 546+52.94	67% OF FULL SUPER	2.12%	2.12%
546+91.36	BOTH LANES @ 1.5%	1.50%	1.50%
547+37.36	HIGH SIDE @ 0%	1.50%	0.00%
547+83.46	NORMAL CROWN	1.50%	-1.50%
SOUTHBOUND			
514+19.06	NORMAL CROWN	-1.50%	1.50%
514+65.16	HIGH SIDE @ 0%	0.00%	1.50%
515+11.16	BOTH LANES @ 1.5%	1.50%	1.50%
PC 515+49.58	67% OF FULL SUPER	2.12%	2.12%
515+91.16	FULL SUPER	2.80%	2.80%
546+11.36	FULL SUPER	2.80%	2.80%
PT 546+52.94	67% OF FULL SUPER	2.12%	2.12%
546+91.36	BOTH LANES @ 1.5%	1.50%	1.50%
547+37.36	HIGH SIDE @ 0%	0.00%	1.50%
547+83.46	NORMAL CROWN	-1.50%	1.50%

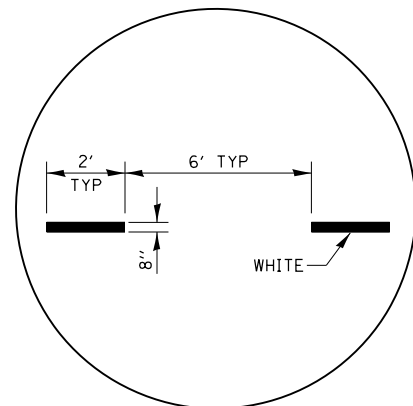


FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TAPER DETAIL			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000' / 1" =		DATE -	REVISED -		CONTRACT NO. 66F23							
PLOT DATE = 4/6/2017					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					

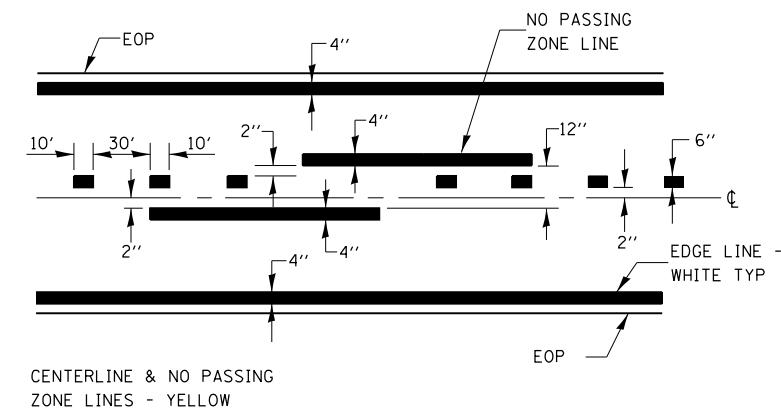


PAVEMENT TRANSITION
STA. 472 + 80 TO 483 + 50

CONTINUOUS REINFORCED CONCRETE PAVEMENT
TO BE RECONSTRUCTED TO MAINTAIN
VERTICAL CLEARANCE

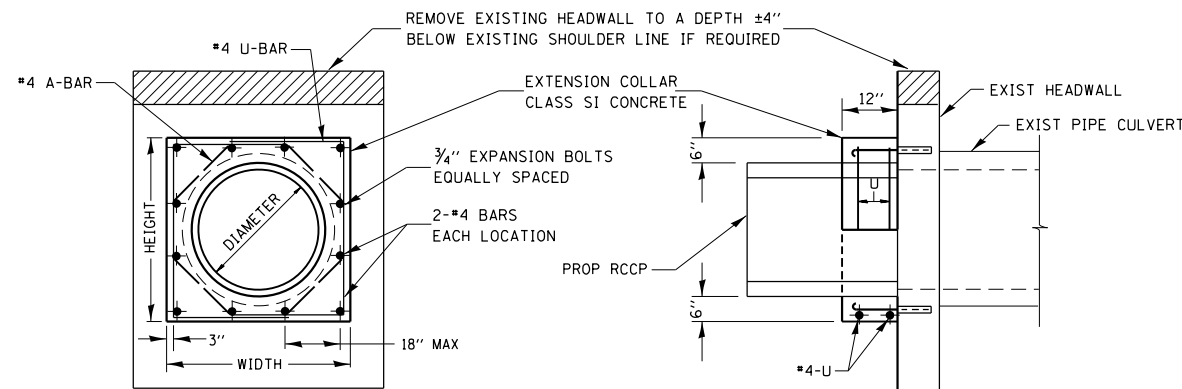


INTERSTATE RAMP TRANSITION LINE



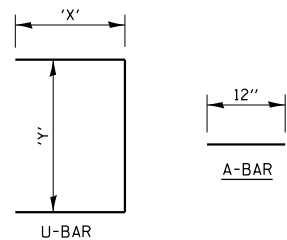
PAVEMENT MARKING

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TAPER DETAIL PAVEMENT MARKING DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISED -		CONTRACT NO. 66F23							
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	



EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4\"/>

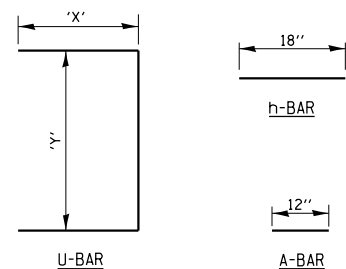
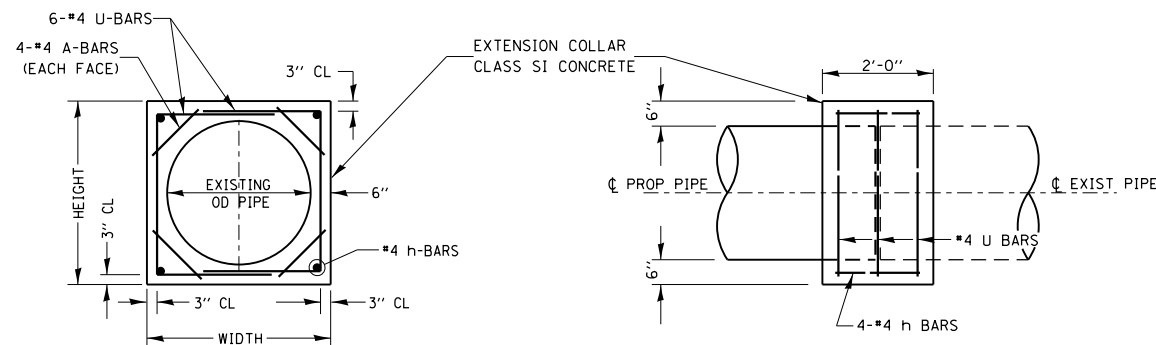
MINIMUM CERTIFIED PROOF LOAD = 4,080 LBS



QUANTITIES ARE FOR ONE SIDE ONLY

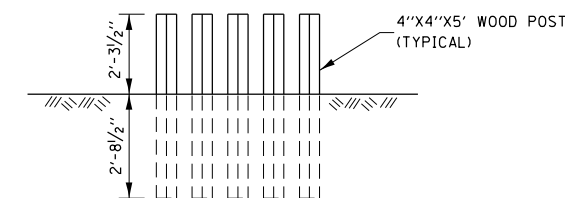
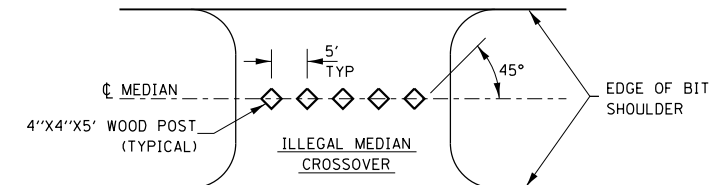
LOCATION	EXISTING CULVERT SIZE DIA IN	PIPE DIMENSION DIA IN	PIPE AREA SQ FT	EXTENSION COLLAR		A-BAR			U-BAR			CLASS SI CONC COLLAR CU YD	REINFORCEMENT BARS POUND	3/4\"/>
				WIDTH IN	HEIGHT IN	12 IN	'X' IN	'Y' IN	12 IN	'X' IN	'Y' IN			

COLLAR DETAIL (R.C.C.P. EXTENSION OF PIPE CULVERT)

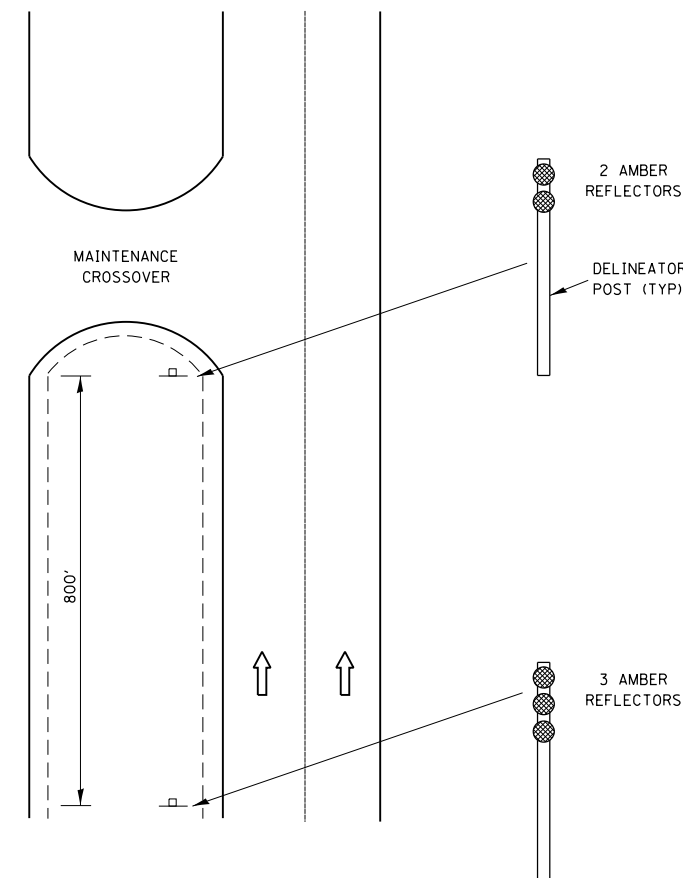


LOCATION	EXISTING CULVERT SIZE FT x FT	EXTENSION COLLAR		A-BAR			U-BAR			h-BAR 18 IN	CONC COLLAR CU YD	REINFORCEMENT BARS POUND
		WIDTH IN	HEIGHT IN	12 IN	'X' IN	'Y' IN	12 IN	'X' IN	'Y' IN			

COLLAR DETAIL (DIRECT PIPE CULVERT EXTENSION)



WOOD POST DETAIL



DELINEATION FOR MAINTENANCE CROSSOVER (TYPICAL FOR BOTH DIRECTIONS)

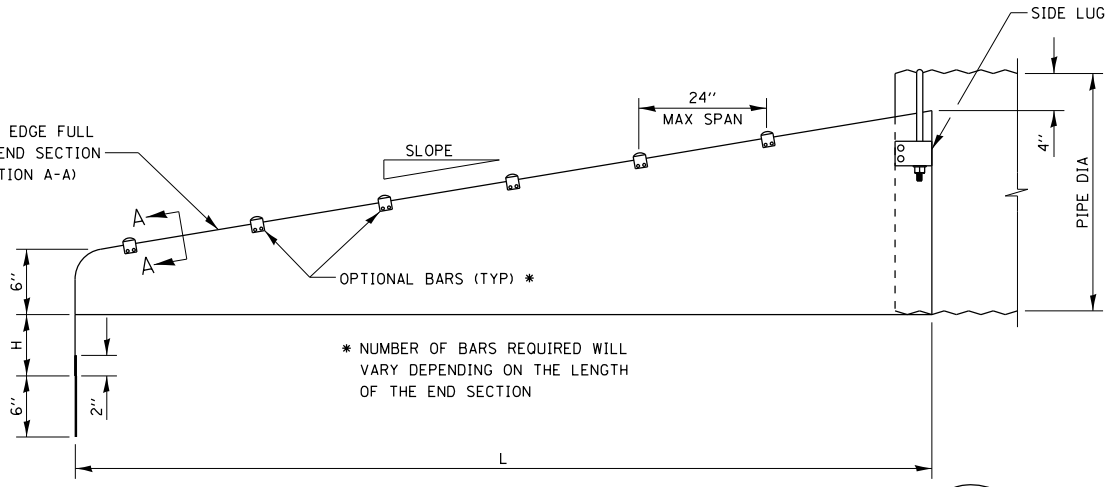
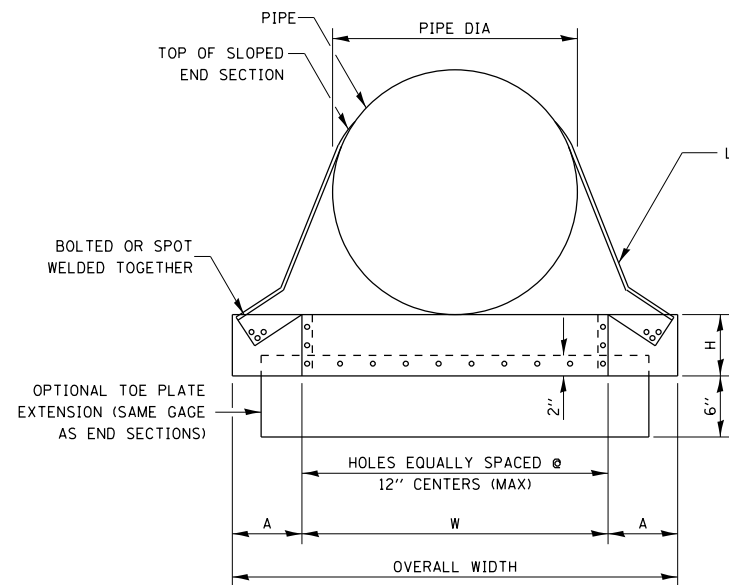
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

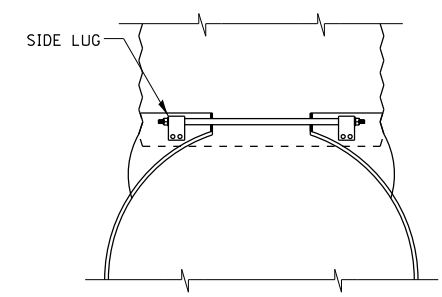
**COLLAR DETAILS
WOOD POSTS AND DELINEATOR DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4IR&I)	LIVINGSTON	242	133
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				



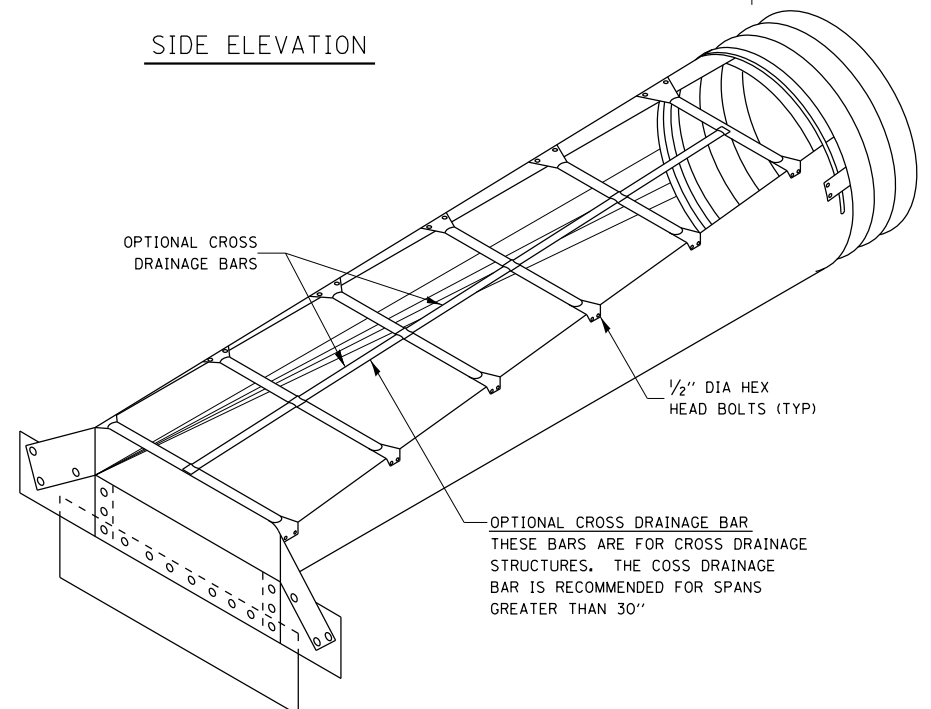
SIDE ELEVATION



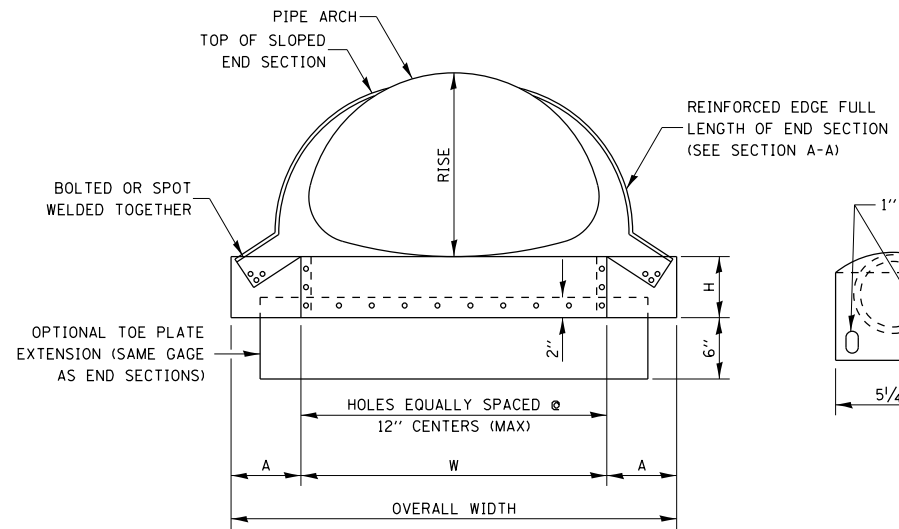
TYPE #2 CONNECTOR DETAIL

TYPE #1 CONNECTOR DETAILS
THRU 24"
GALVANIZED STRAP

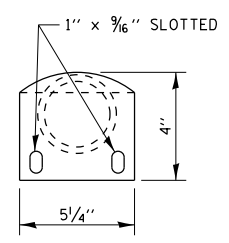
TYPE #2 CONNECTOR DETAILS (SHOWN)
FOR 30" AND LARGER
21" x 15" AND LARGER
1/2" THREADED ROD W/FLANGED
NUT AND SIDE LUG



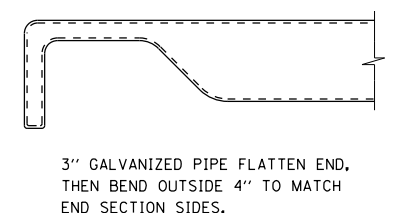
CIRCULAR PIPE ISOMETRIC VIEW



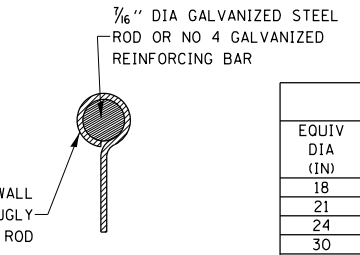
FRONT VIEW PIPE ARCH



DETAIL OF OPTIONAL BARS



3" GALVANIZED PIPE FLATTEN END,
THEN BEND OUTSIDE 4" TO MATCH
END SECTION SIDES.



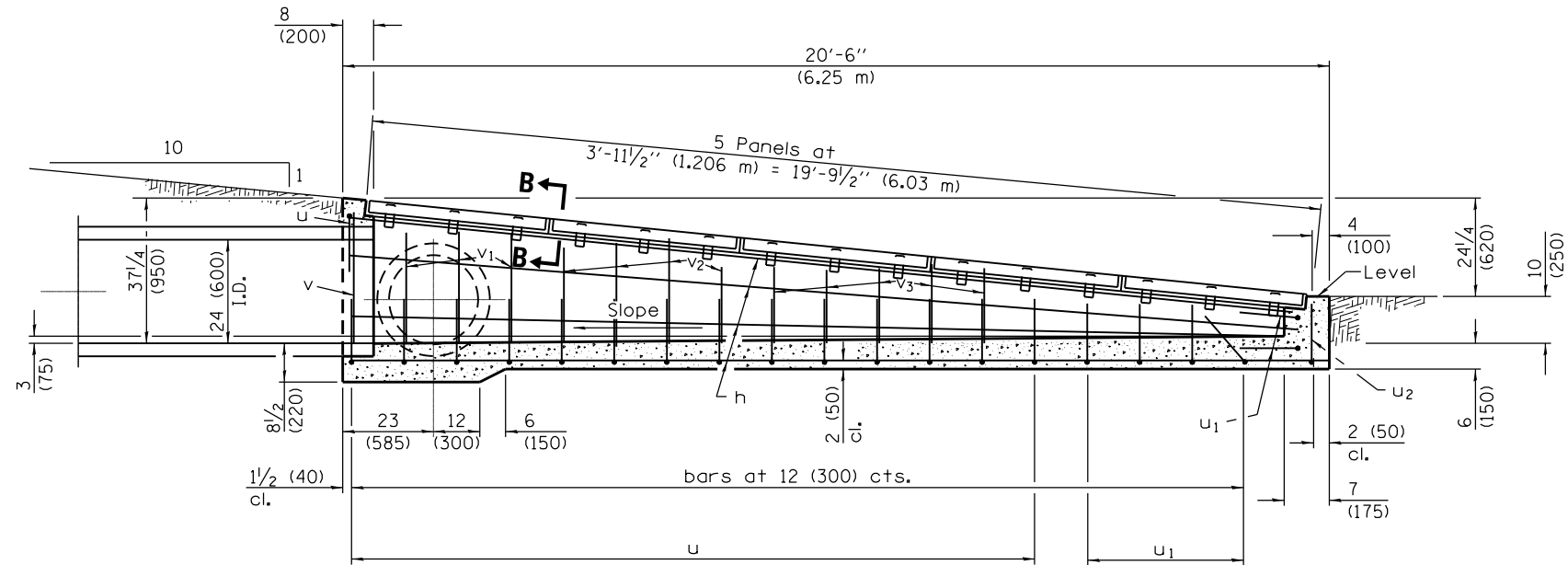
SECTION A-A

GENERAL NOTES

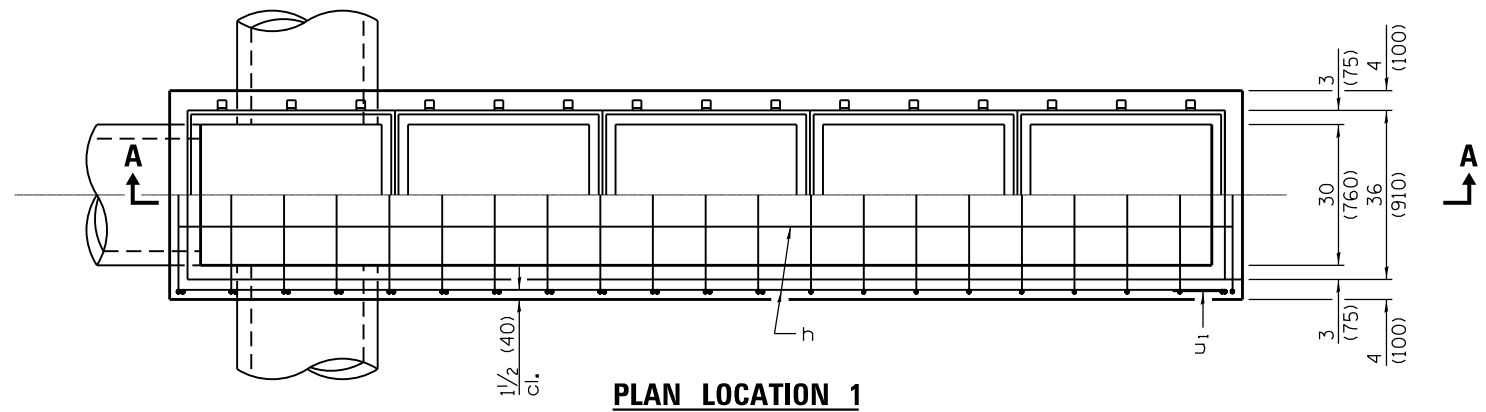
- CONNECTORS - ROUND SIZES THRU 24" ATTACH TO PIPE WITH TYPE #1 STRAPS, ALL OTHER SIZES ATTACH WITH TYPE #2 RODS AND LUGS.
- TOE PLATE EXTENSIONS - WHEN REQUIRED, TOE PLATE EXTENSIONS ARE TO BE THE SAME GAGE AS END SECTIONS. DIMENSIONS SHALL BE OVERALL WIDTH LESS 6 INCHES BY 8 INCHES HIGH.
- OPTIONAL BARS - BARS WHEN SPECIFIED, SHALL BE SCHEDULE 40 GALVANIZED STEEL PIPE.
- TYPICALLY PARALLEL BARS ARE PLACED ON 24" CENTERS.
- TYPICALLY THE CROSS BARS ARE USED ON CROSS DRAIN APPLICATIONS.
- HOLES FOR BAR ATTACHMENTS SHALL BE PROVIDED ON ALL END SECTIONS.
- DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
- THESE END SECTIONS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR SLOPED METAL END SECTIONS WITH GRATE OF THE DIAMETER SPECIFIED, WHICH SHALL INCLUDE FURNISHING AND INSTALLING THE END SECTION COMPLETE IN PLACE, INCLUDING THE TOE PLATE, EXCAVATING, BACKFILLING, CONNECTING TO THE PIPE, AND CROSS DRAINAGE BARS.

METAL END SECTIONS FOR ROUND PIPE										
PIPE DIA (IN)	MIN THICK		DIMENSIONS (INCHES)				L DIMENSIONS			
	IN	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH (IN)	SLOPE	LENGTH (IN)
15	.064	16	8	6	21	37	6:1	30	4:1	20
18	.064	16	8	6	24	40	6:1	48	4:1	32
21	.064	16	8	6	27	43	6:1	66	4:1	44
24	.064	16	8	6	30	46	6:1	84	4:1	56
30	.109	12	12	9	36	60	6:1	120	4:1	80
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228
54	.109	12	16	12	60	92	4:1	176	6:1	264
60	.109	12	16	12	66	98	4:1	200	6:1	300

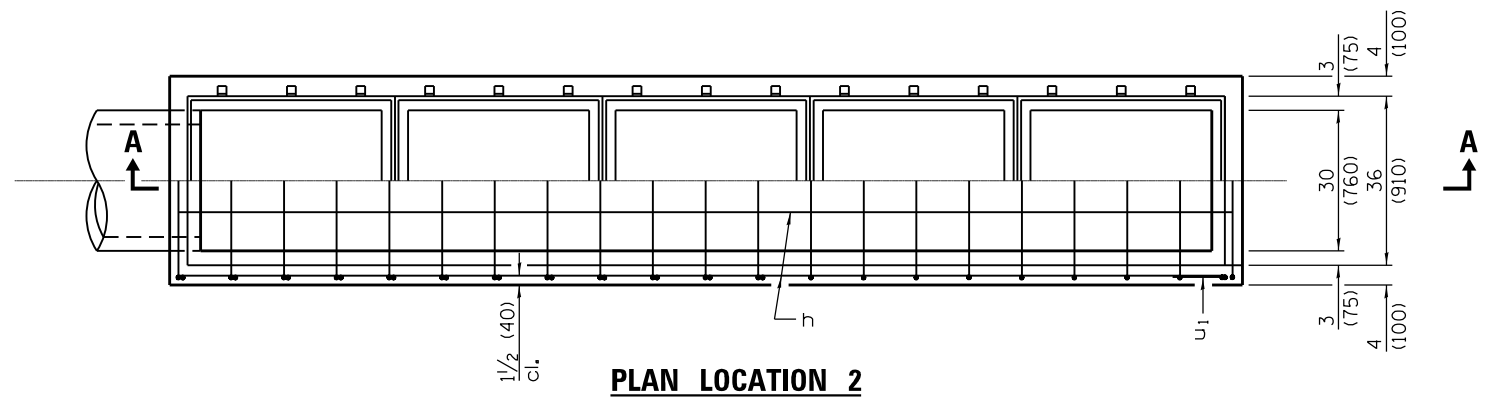
METAL END SECTIONS FOR PIPE ARCH												
EQUIV DIA (IN)	(INCHES)		MIN THICK		DIMENSIONS (INCHES)				L DIMENSIONS			
	SPAN	RISE	IN	GAGE	A	H	W	OVERALL WIDTH	SLOPE	LENGTH (IN)	SLOPE	LENGTH (IN)
18	21	15	.064	16	8	6	27	43	6:1	30	4:1	20
21	24	18	.064	16	8	6	30	46	6:1	48	4:1	32
24	28	20	.064	16	8	6	34	50	6:1	60	4:1	40
30	36	24	.079	14	12	9	41	65	6:1	84	4:1	56
36	42	29	.109	12	12	9	48	72	6:1	114	4:1	76
42	49	33	.109	12	16	12	55	87	4:1	92	6:1	138
48	57	38	.109	12	16	12	63	95	4:1	112	6:1	168
54	64	43	.109	12	16	12	70	102	4:1	132	6:1	198
60	71	47	.109	12	16	12	77	109	4:1	148	6:1	222
72	83	57	.109	12	16	12	89	121	4:1	188	6:1	282



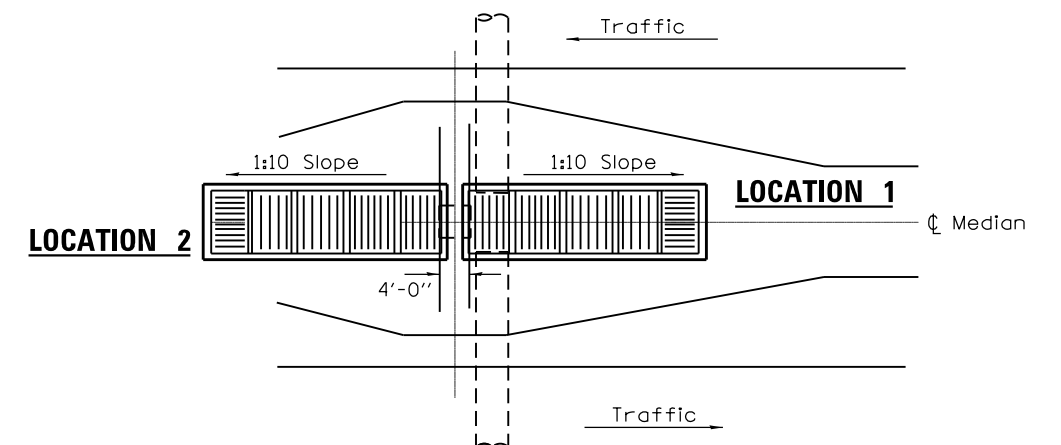
SECTION A-A



PLAN LOCATION 1



PLAN LOCATION 2



Detail showing exit orientations
Sketch showing location and direction of main bearing bars in relation to ϕ median (showing exit from end)

- NOTE:**
Culvert pipe may exit from the side (or sides) by changing reinforcement bars in that area and in the headwall end of box.
- LOCATION 1:**
Culvert pipe shall exit from both sides and rear.
- LOCATION 2:**
Culvert pipe shall exit from the rear.

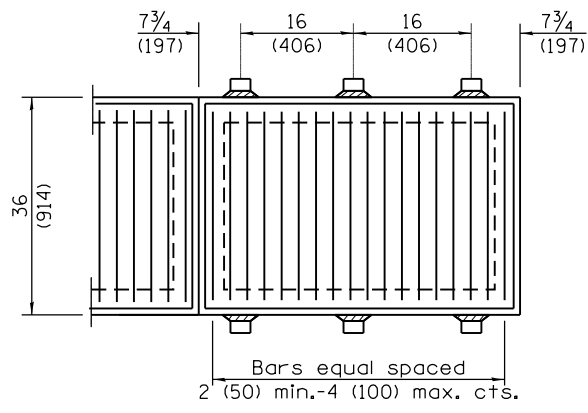
GENERAL NOTES

If field conditions will permit, bottom of inlet box shall have 2 (50) slope.

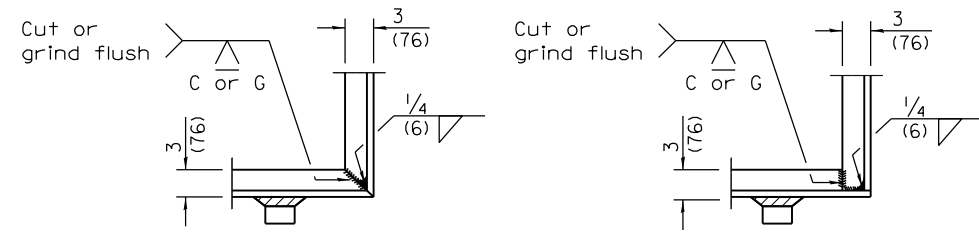
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

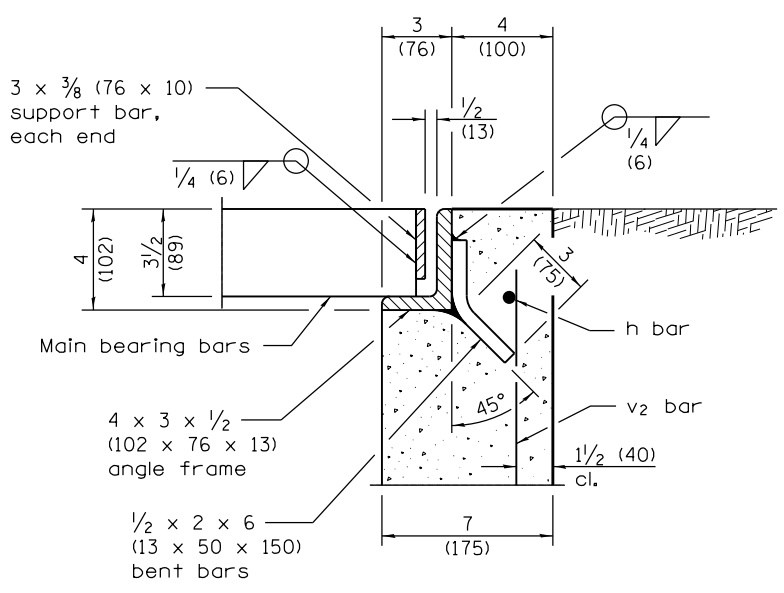
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pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 3\Projects\03666\Drawings\AD\Sheets\03666F23-shr-detailed	DATE = 4/6/2017	CHECKED -	REVISED -						55	(53-4)R&I	LIVINGSTON	242	135
Default		DATE -	REVISED -		CONTRACT NO. 66F23				ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



TYPICAL STEEL GRATING



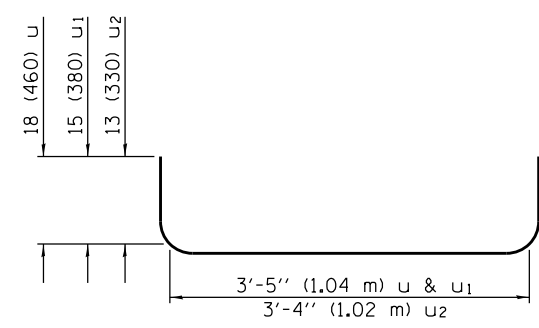
TYPICAL CORNER OF STEEL GRATING FRAME



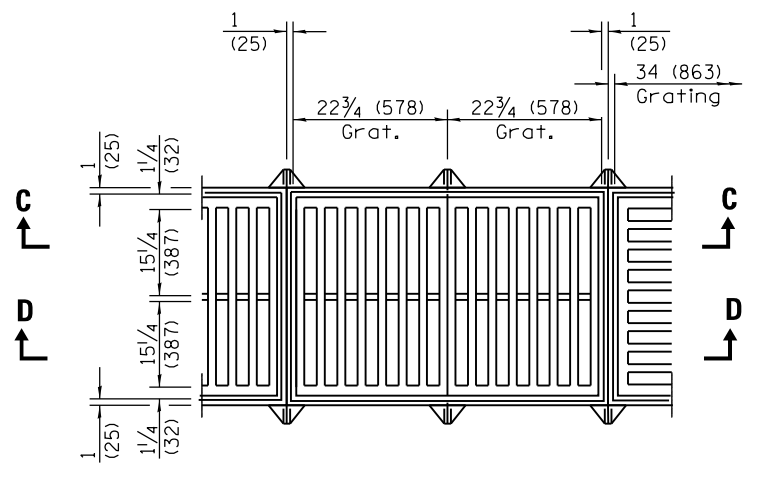
SECTION B-B

Material Required for One Inlet Box

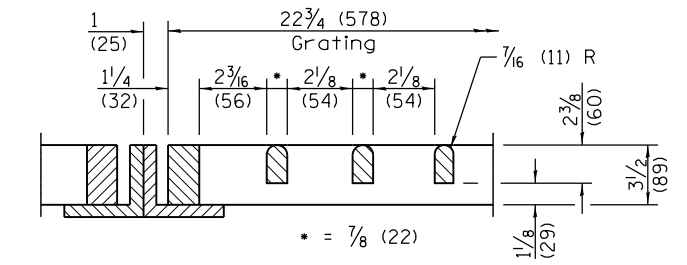
Bar	No.	Size	Length
h	10	No. 4 (No. 13)	20'-0" (6.10 m)
u	17	No. 4 (No. 13)	6'-5" (1.96 m)
u ₁	6	No. 4 (No. 13)	5'-11" (1.80 m)
u ₂	1	No. 4 (No. 13)	5'-6" (1.68 m)
v	2	No. 4 (No. 13)	33 (840)
v ₁	6	No. 4 (No. 13)	30 (760)
v ₂	10	No. 4 (No. 13)	24 (610)
v ₃	10	No. 4 (No. 13)	18 (460)
Concrete	cu. yds. (m ³)		3.2 (2.45)
Reinf. Bars	lbs. (kg)		270 (122)
Grating	(sq. ft.) (m ²)		56.0 (5.20)



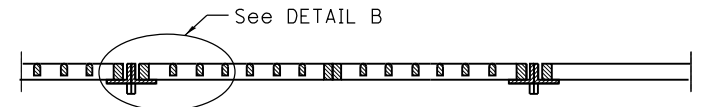
BARS u, u₁ & u₂



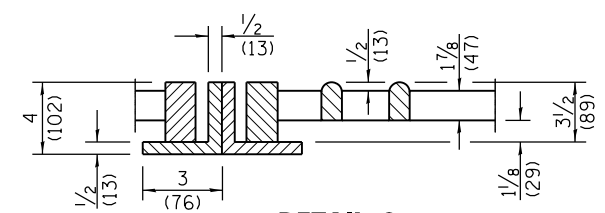
TYPICAL CAST GRATING



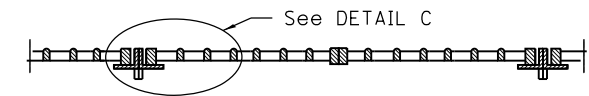
DETAIL B



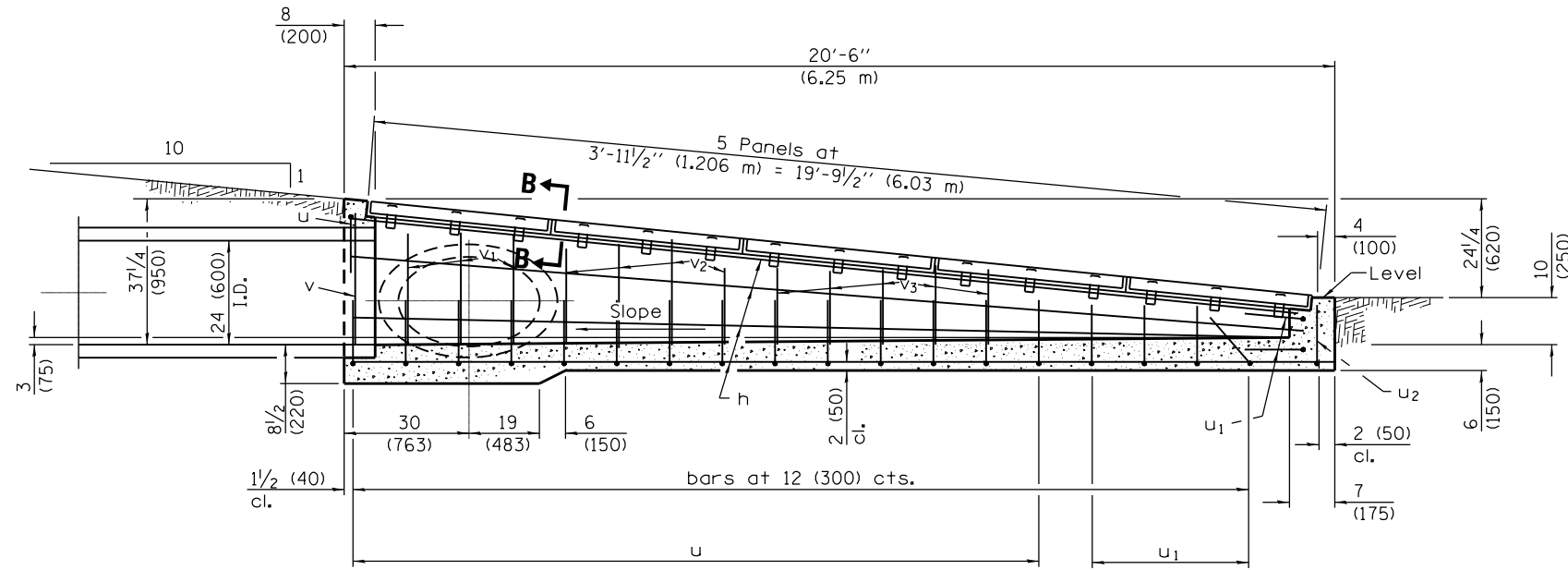
SECTION C-C



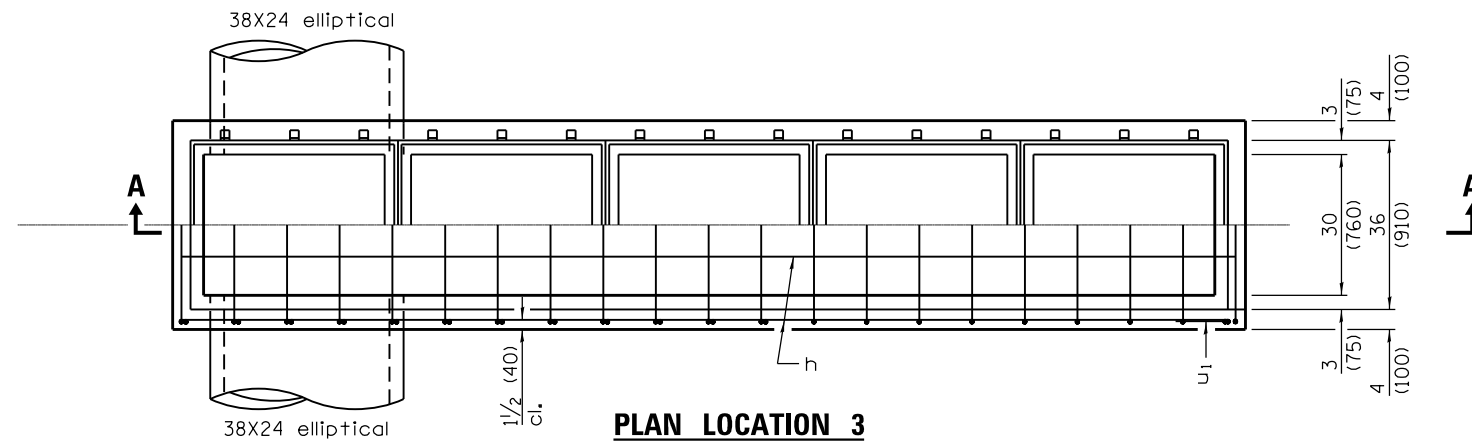
DETAIL C



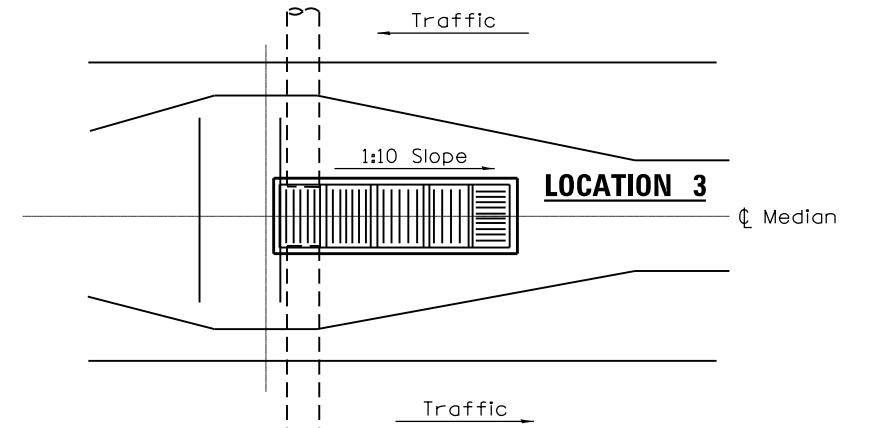
SECTION D-D



SECTION A-A



PLAN LOCATION 3



Detail showing exit orientations
Sketch showing location and direction of main bearing bars in relation to CL median (showing exit from end)

NOTE:
Culvert pipe may exit from the side (or sides) by changing reinforcement bars in that area and in the headwall end of box.

LOCATION 3:
Culvert pipe (38x24 elliptical) shall exit from both sides.

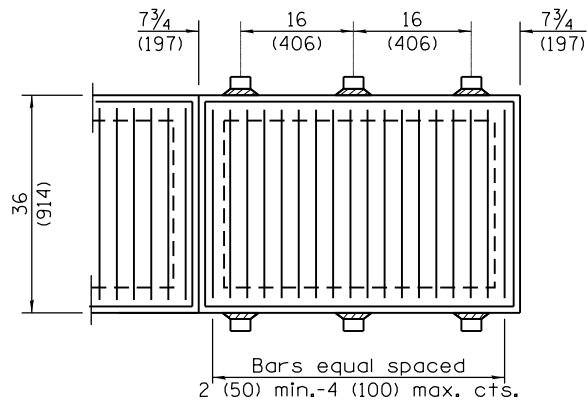
GENERAL NOTES

If field conditions will permit, bottom of inlet box shall have 2 (50) slope.

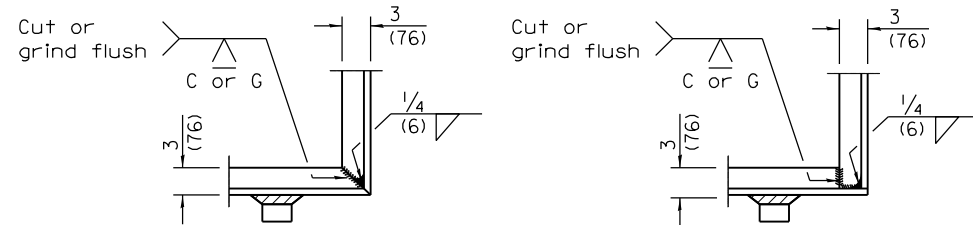
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

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

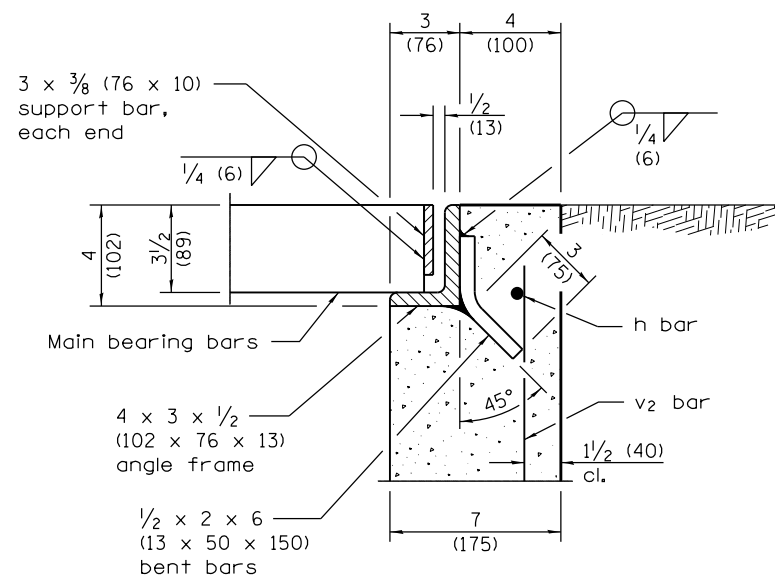
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pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 3\Projects\D366F23\Drawings\EA\Drawings\EA0366F23-sht-detail.dwg	DATE = 4/6/2017	CHECKED -	REVISED -					55	(53-4)R&I	LIVINGSTON	242	137
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 66F23				
					ILLINOIS FED. AID PROJECT							



TYPICAL STEEL GRATING



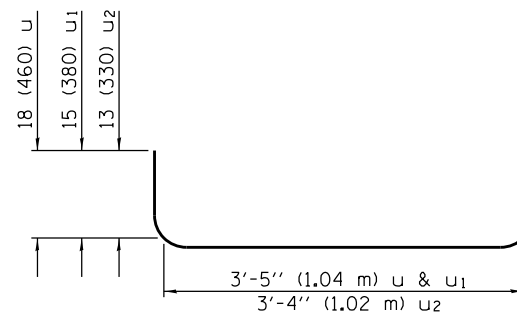
TYPICAL CORNER OF STEEL GRATING FRAME



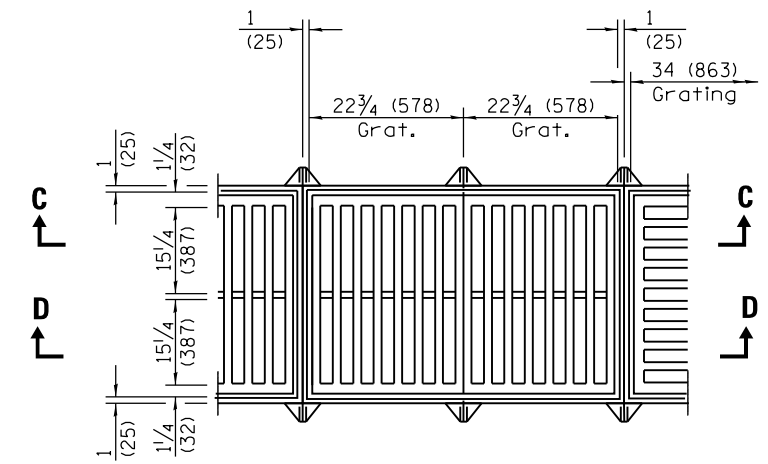
SECTION B-B

Material Required for One Inlet Box

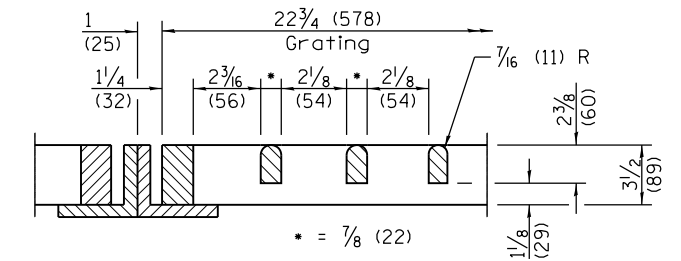
Bar	No.	Size	Length
h	10	No. 4 (No. 13)	20'-0" (6.10 m)
u	17	No. 4 (No. 13)	6'-5" (1.96 m)
u ₁	6	No. 4 (No. 13)	5'-11" (1.80 m)
u ₂	1	No. 4 (No. 13)	5'-6" (1.68 m)
v	2	No. 4 (No. 13)	33 (840)
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v ₂	10	No. 4 (No. 13)	24 (610)
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Concrete	cu. yds. (m ³)		3.2 (2.45)
Reinf. Bars	lbs. (kg)		270 (122)
Grating	(sq. ft.) (m ²)		56.0 (5.20)



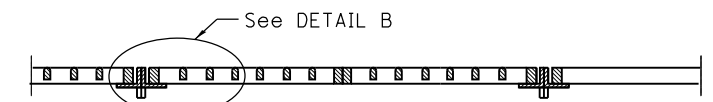
BARS u, u₁ & u₂



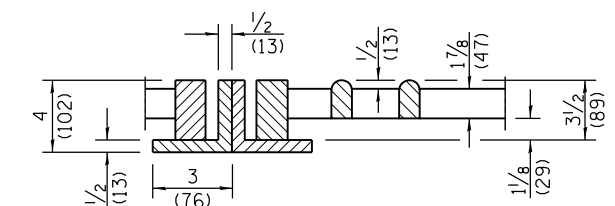
TYPICAL CAST GRATING



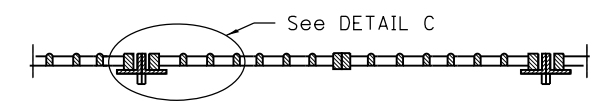
DETAIL B



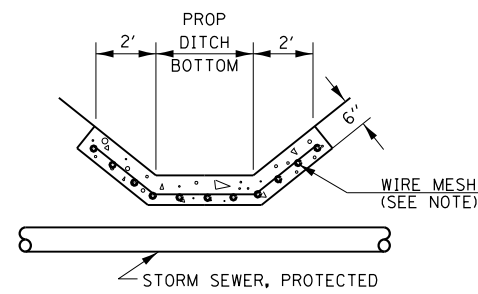
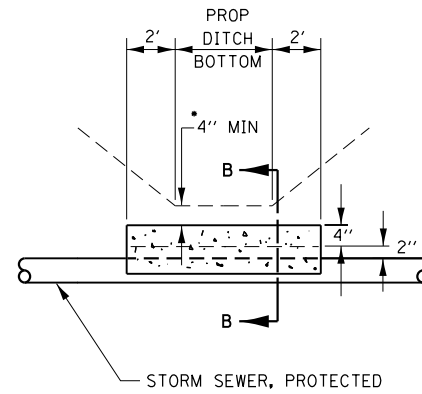
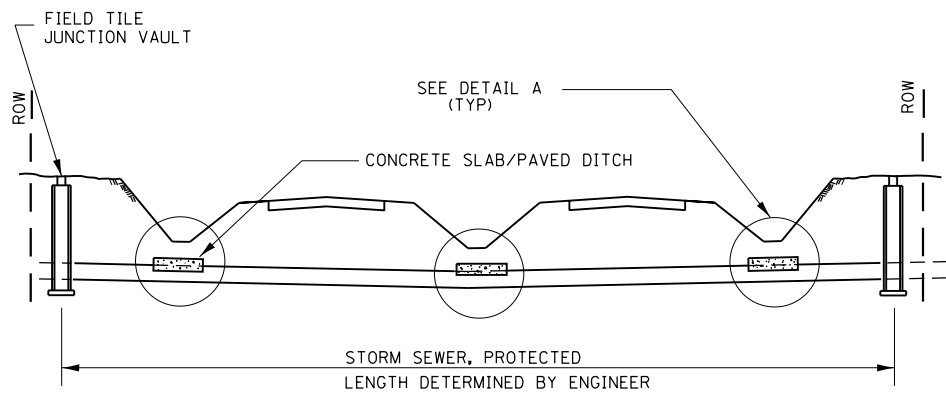
SECTION C-C



DETAIL C



SECTION D-D

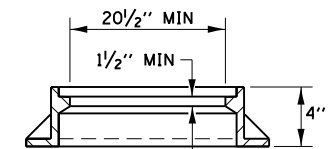
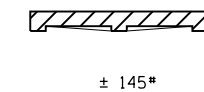
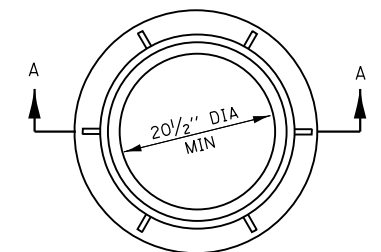


DETAIL C
NO SCALE

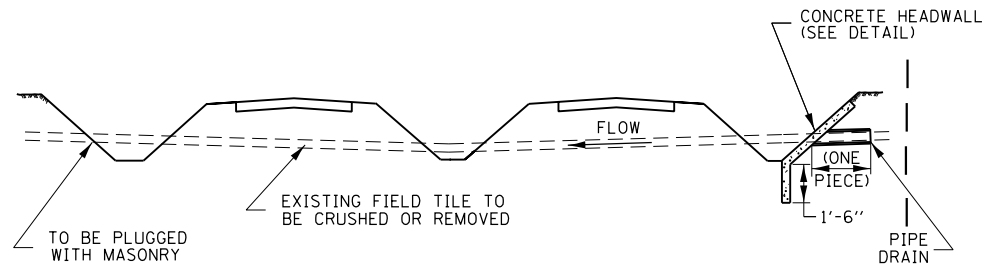
ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	4"
CONCRETE MASONRY UNIT	5"
MONOLITHIC CONCRETE	6"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	8"
CONCRETE BUILDING BRICK, GRADE A	8"

NOTES

1. THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE FRAME AND GRATE OR PRECAST CONCRETE LID AND WHEN REQUIRED, THE SAND CUSHION.
2. ALL FIELD TILE JUNCTION VAULTS SHALL BE 2'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.



SECTION A-A



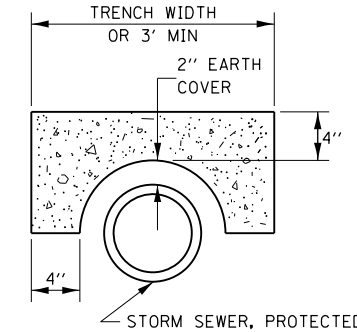
DETAIL A

NO SCALE

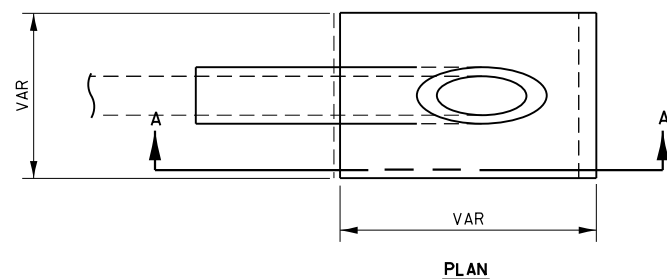
* IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.

NOTES

1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "MISCELLANEOUS CONCRETE."
3. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ FT

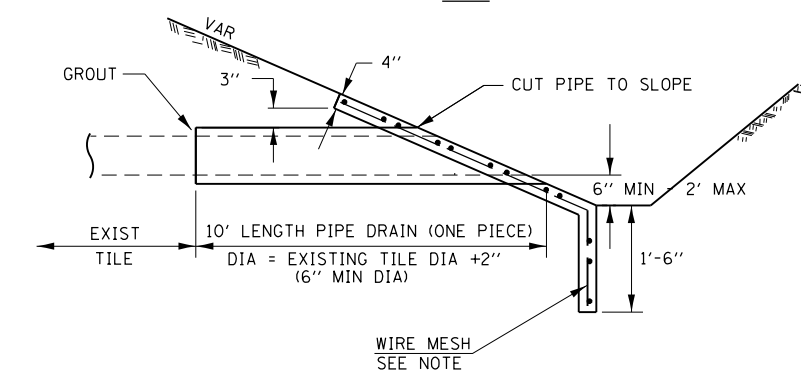


FIELD TILE REPLACEMENT



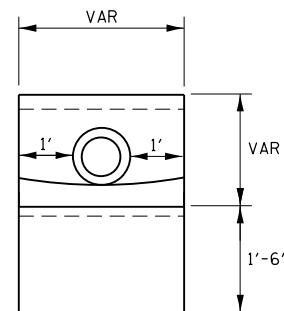
NOTES

1. ANY STORM SEWER SPECIAL OR BACKSLOPE DRAIN OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ FT

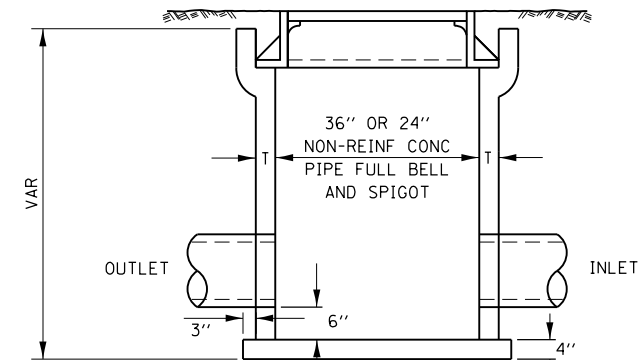


SECTION A-A

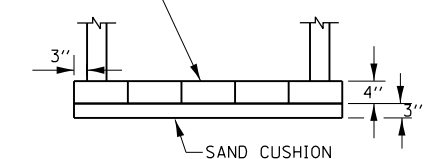
CLASS SI CONCRETE HEADWALLS



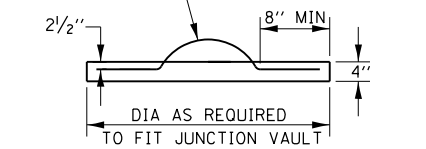
END VIEW



CLASS SI CONCRETE OR PRECAST REINFORCED CONCRETE SLABS NOT LESS THAN 12" WIDE



1 NO 4 BAR LIFT LOOP



FIELD TILE JUNCTION VAULT

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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	PLOT DATE = 4/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

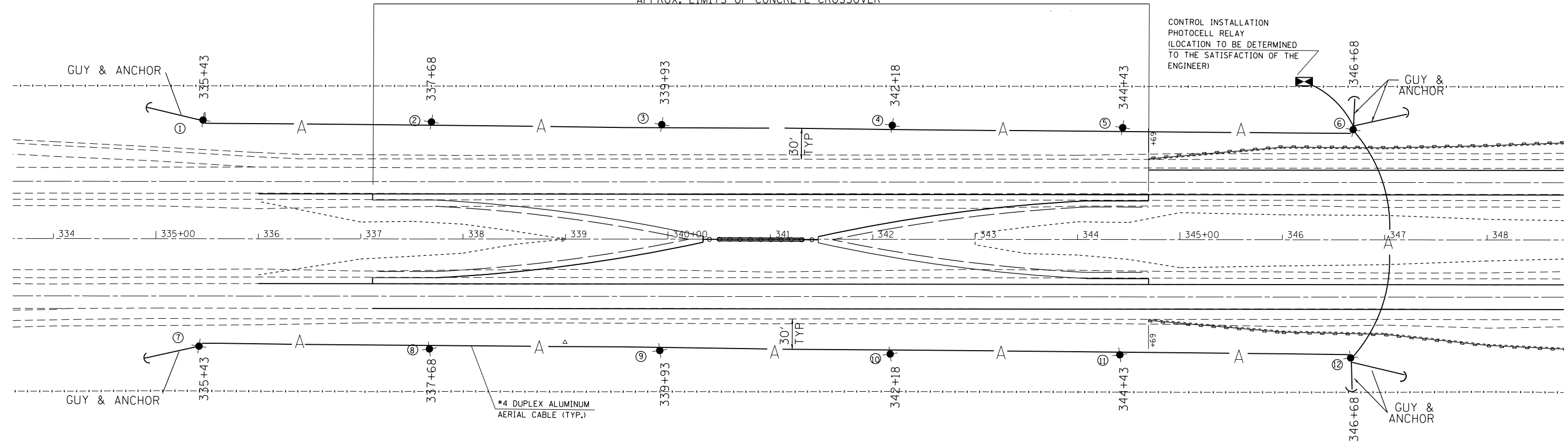
FIELD TILE TREATMENT

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66F23				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

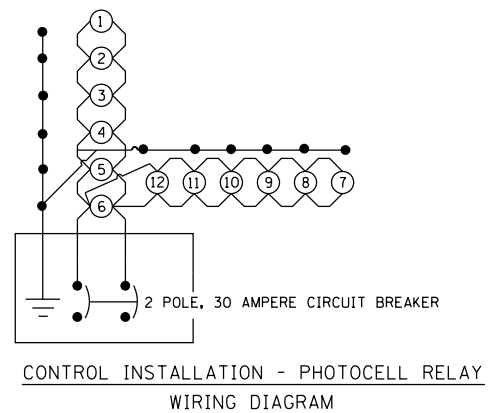


APPROX. LIMITS OF CONCRETE CROSSOVER



NOTES:

<p>1. POLE HEIGHT SHALL BE INCREASED AS NECESSARY TO MAINTAIN A MINIMUM CLEARANCE OF 20' OF AERIAL CABLE OVER ROADWAY AT ALL TIMES</p> <p>2. GUYS AND ANCHORS ARE SHOWN AS AS EXAMPLE AND SHALL BE INSTALLED AS NECESSARY TO THE SATISFACTION OF THE ENGINEER.</p>	<p>3. TEMPORARY WOOD POLES SHALL BE SET BACK MINIMUM OF 30 FT FROM EXISTING EDGE OF PAVEMENT AND OUTSIDE THE CLEAR ZONE.</p> <p>4. TRAFFIC MAY NOT USE MEDIAN CROSSOVERS UNTIL TEMPORARY LIGHTING IS OPERATIONAL</p>
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- LEGEND
- TEMPORARY LIGHTING UNIT, 50 FT WOOD POLE, CLASS 3 WITH 250W HPS MULTI MOUNT LUMINAIRE AS PER HIGHWAY STANDARD 830026-03 OR AN LED COBRA HEAD LUMINAIRE MOUNTED ON WOOD POLE
 - AERIAL CABLE, 2-1/2 NO.4 ALUMINUM WITH MESSAGE WIRE.
 - TEMPORARY LIGHTING CONTROLLER 30A, 240V, AS PER HIGHWAY STANDARD 825001
 - ELECTRIC SERVICE 1 PHASE, 3 WIRE AS PER HIGHWAY STANDARD 825001-03

PAY FOR AS TEMPORARY LIGHTING SYSTEM ON A LUMP SUM BASIS

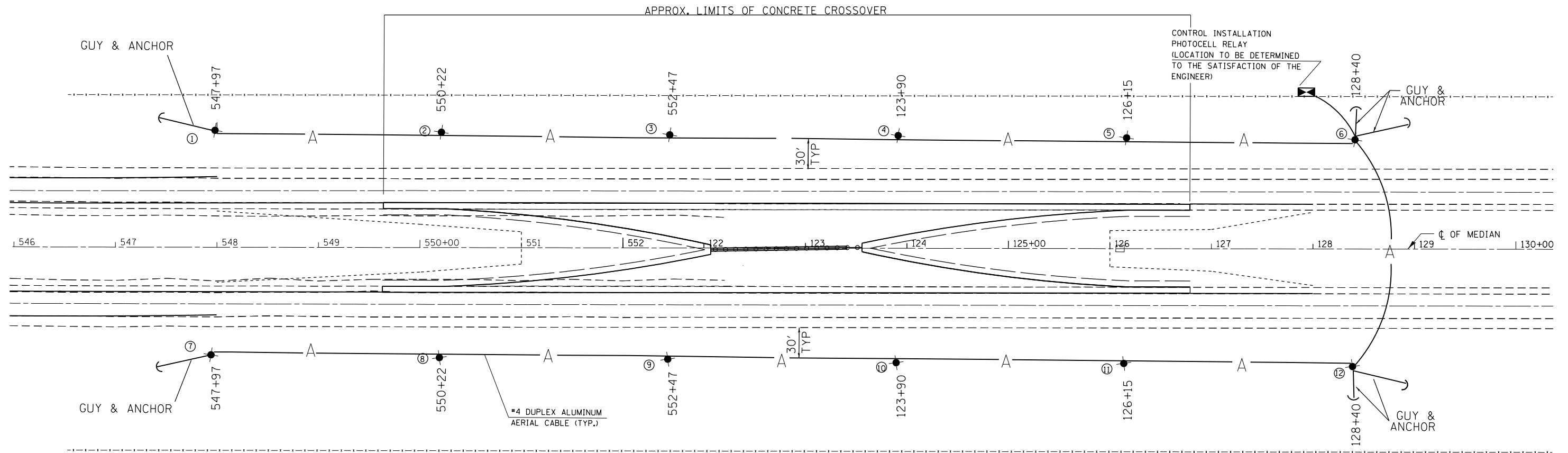
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Default	PLOT DATE = 4/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY LIGHTING SYSTEM
SOUTH CROSSOVER STA. 340+90**

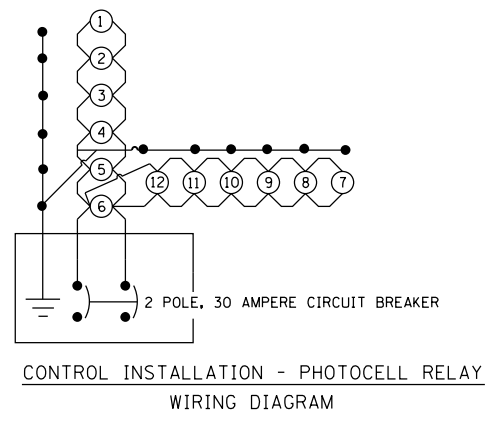
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	141
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				



NOTES:

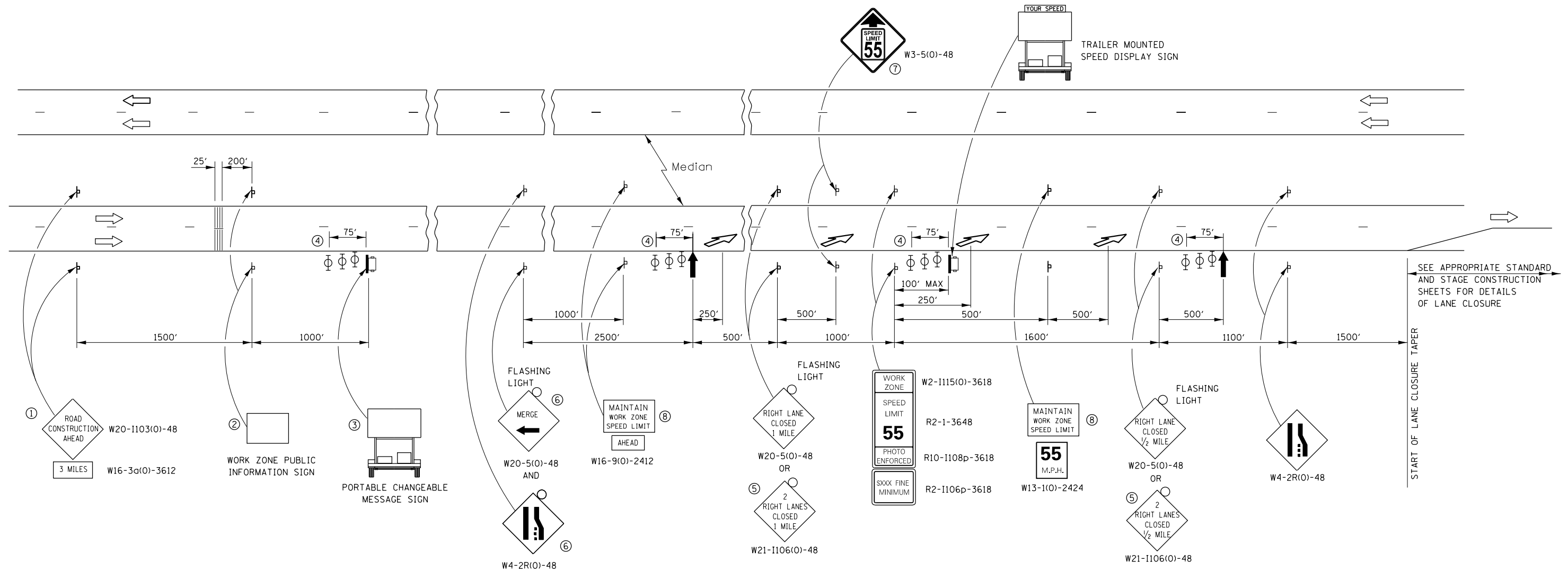
<p>1. POLE HEIGHT SHALL BE INCREASED AS NECESSARY TO MAINTAIN A MINIMUM CLEARANCE OF 20' OF AERIAL CABLE OVER ROADWAY AT ALL TIMES</p> <p>2. GUYS AND ANCHORS ARE SHOWN AS AN EXAMPLE AND SHALL BE INSTALLED AS NECESSARY TO THE SATISFACTION OF THE ENGINEER.</p>	<p>3. TEMPORARY WOOD POLES SHALL BE SET BACK MINIMUM OF 30 FT FROM EXISTING EDGE OF PAVEMENT AND OUTSIDE THE CLEAR ZONE.</p> <p>4. TRAFFIC MAY NOT USE MEDIAN CROSSOVERS UNTIL TEMPORARY LIGHTING IS OPERATIONAL</p>
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- LEGEND**
- TEMPORARY LIGHTING UNIT, 50 FT WOOD POLE, CLASS 3 WITH 250W HPS MULTI MOUNT LUMINAIRE AS PER HIGHWAY STANDARD 830026-03 OR AN LED COBRA HEAD LUMINAIRE MOUNTED ON WOOD POLE
 - A — AERIAL CABLE, 2-1/2 NO.4 ALUMINUM WITH MESSAGE WIRE.
 - ☒ TEMPORARY LIGHTING CONTROLLER 30A, 240V, AS PER HIGHWAY STANDARD 825001
 - ELECTRIC SERVICE 1 PHASE, 3 WIRE AS PER HIGHWAY STANDARD 825001-03

PAY FOR AS TEMPORARY LIGHTING SYSTEM ON A LUMP SUM BASIS

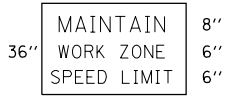
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pw\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\03666\Drawings\EA\Drawings\03666-23-shd-detailed	DESIGNED -	REVISED -	55			(53-4R&I)	LIVINGSTON	242	142	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 4/6/2017	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.		



SEE APPROPRIATE STANDARD AND STAGE CONSTRUCTION SHEETS FOR DETAILS OF LANE CLOSURE

START OF LANE CLOSURE TAPER

- ① THE ROAD CONSTRUCTION AHEAD SIGN SHALL BE LOCATED 3 MILES IN ADVANCE OF THE PROJECT LIMITS.
- ② THE MESSAGE AND SIZE OF THE WORK ZONE PUBLIC INFORMATION SIGN SHALL BE AS SPECIFIED BY THE DEPARTMENT.
- ③ TO BE PLACED IN THE MEDIAN WHEN FEASIBLE. THE MESSAGE BOARD SHALL BE USED TO DISPLAY STATUS OF LANES WITHIN THE PROJECT. THE PRIMARY MESSAGES SHALL BE:
 "RIGHT LANE CLOSED" / " x MILES AHEAD"
 "LEFT LANE CLOSED" / " x MILES AHEAD"
 "ALL LANES OPEN"
- ④ THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ⑤ THIS SIGN SHALL BE USED WHEN 2 LANES ARE CLOSED.
- ⑥ WHEN THE LEFT LANE IS CLOSED, SWITCH THESE TWO SIGNS AND THE DIRECTION OF THE MERGE ARROW.
- ⑦ THIS SIGN SHALL ONLY BE USED IF THE EXISTING SPEED LIMIT IS GREATER THAN 65 MPH.
- ⑧ 48"x36" FLUORESCENT ORANGE SIGN WITH BLACK LETTERS.



- ↑ ARROW BOARD
- ☐ PORTABLE CHANGEABLE MESSAGE SIGN
- ⊥ SIGN
- ⊕ TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH MONODIRECTIONAL FLASHING LIGHT
- ↘ LANE DROP ARROW - SEE STANDARD 780001
- ▨ TEMPORARY THERMOPLASTIC RUMBLE STRIPS

GENERAL NOTE:

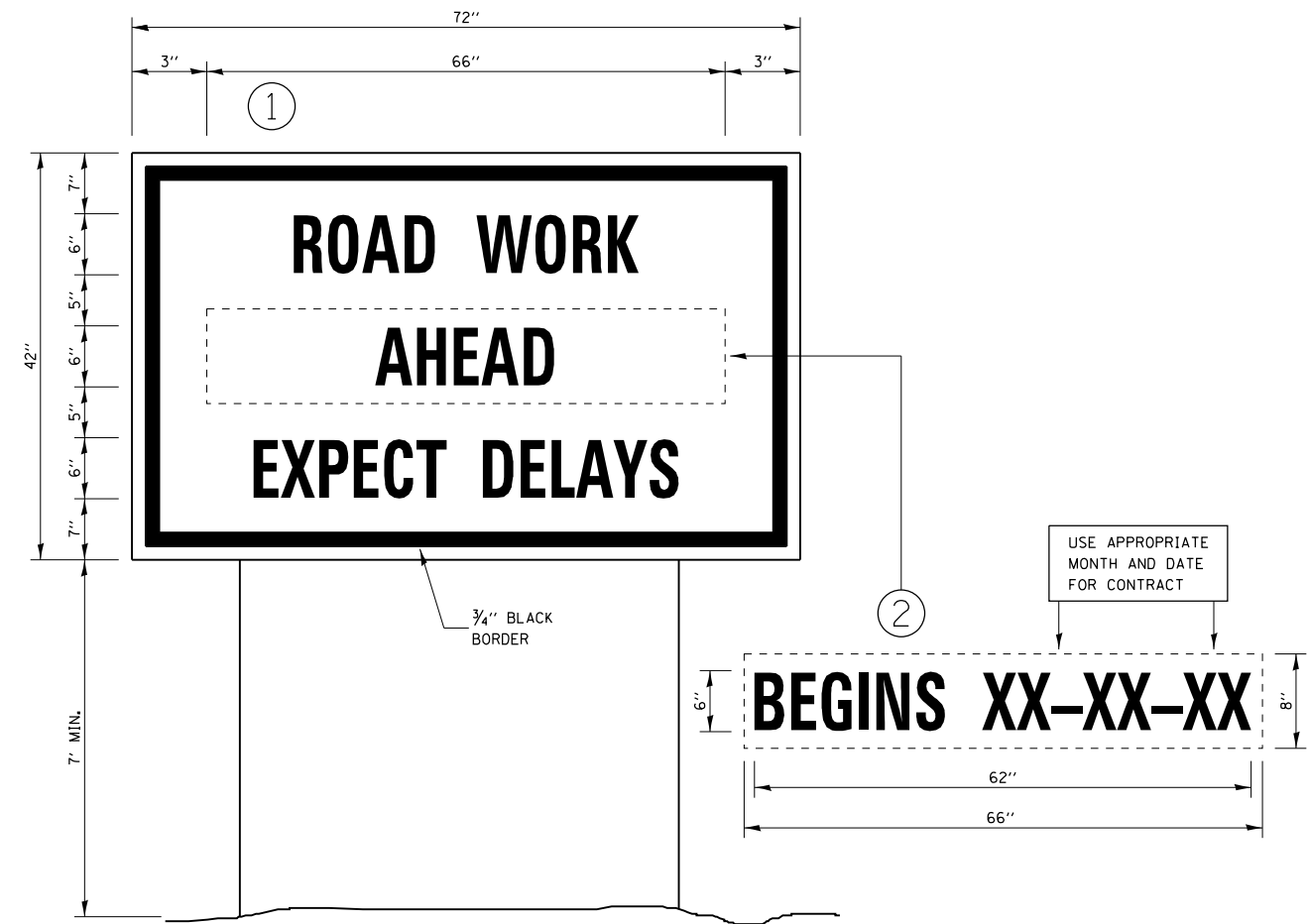
THIS STANDARD IS USED WHERE AT ANY TIME A LANE IS CLOSED ON A FREEWAY/EXPRESSWAY.

WHEN THE LEFT LANE IS CLOSED, LEFT LANE CLOSED SIGNS SHALL BE SUBSTITUTED FOR THE RIGHT LANE CLOSED SIGNS.

THE FIRST TWO SIGNS AND THE MESSAGE BOARD ARE STATIONARY. THE OTHER SIGNS AND ARROWBOARDS SHALL BE MOVED AS NECESSARY TO MAINTAIN THE REQUIRED DISTANCE FROM THE START OF THE LANE CLOSURE TAPER(S).

SEE SPECIAL PROVISIONS.

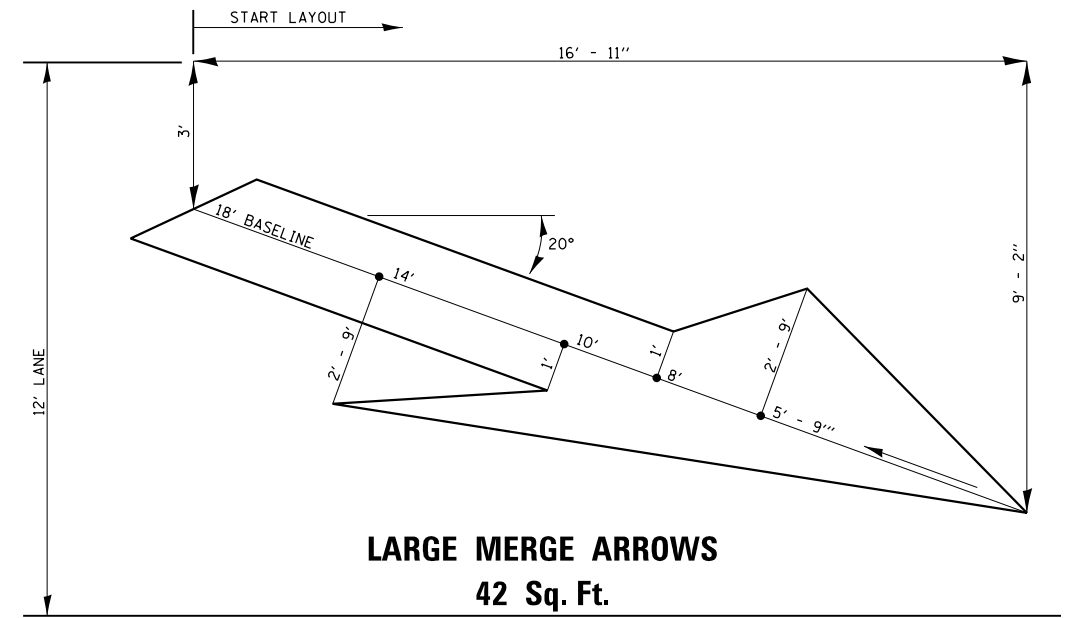
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



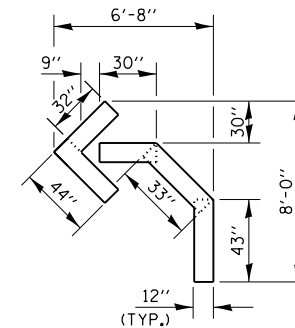
TEMPORARY INFORMATION SIGNING

NOTES:

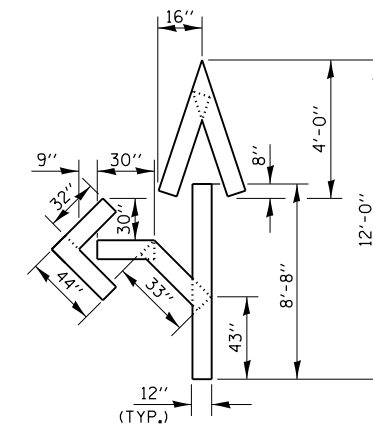
1. USE 6" D BLACK LETTERING ON FLUORESCENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



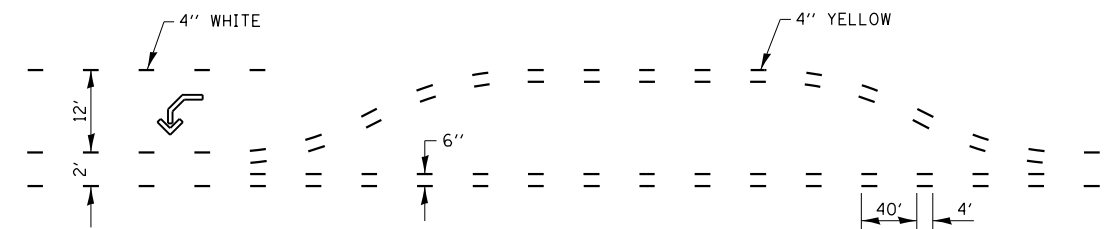
LARGE MERGE ARROWS
42 Sq. Ft.



QUANTITY
12" LINE = 16 LIN FT
OR 4" LINE = 48 LIN FT



QUANTITY
12" LINE = 29 LIN FT
OR 4" LINE = 87 LIN FT



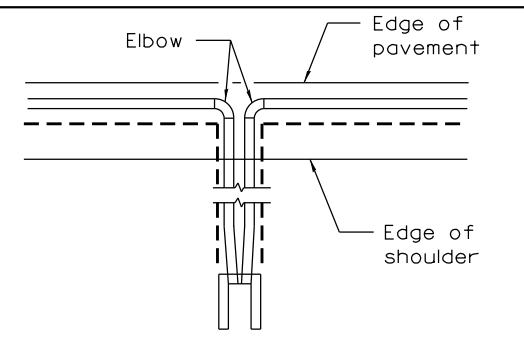
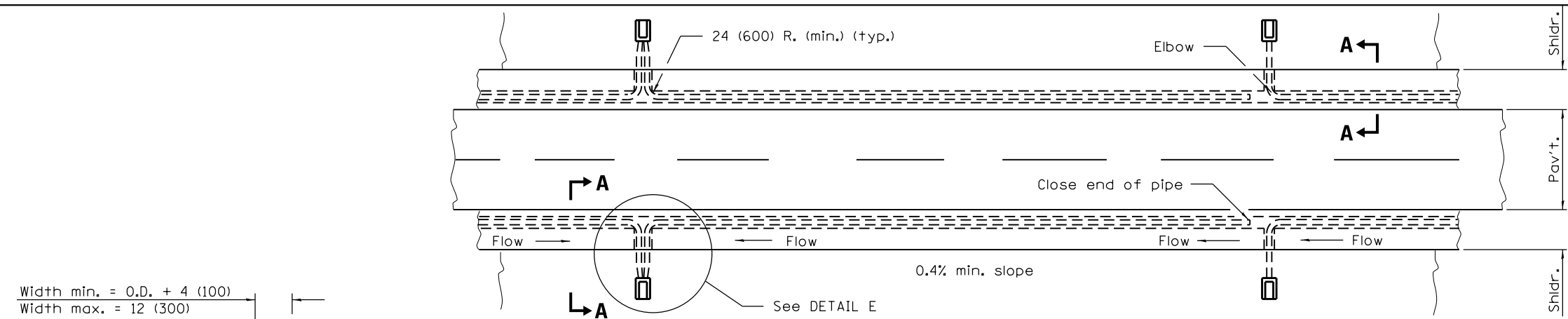
SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
p:\ill\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366FDRAWING\DATA\EAD\Sheets\0366F23-sht-details			REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

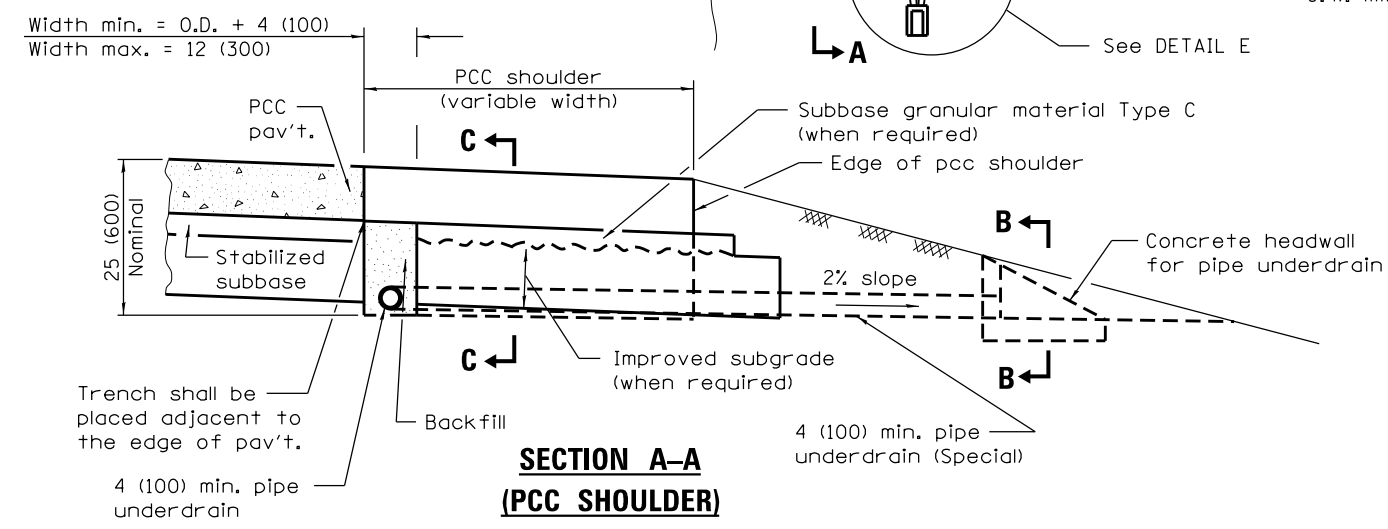
DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4)R&I	LIVINGSTON	242	144
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				

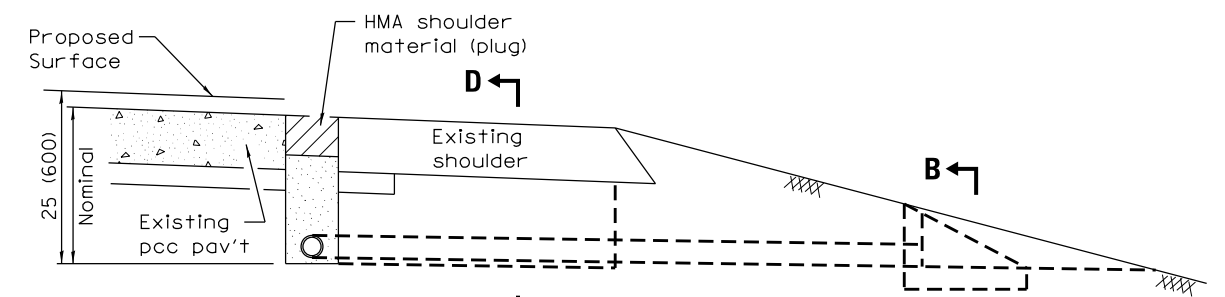


DETAIL E

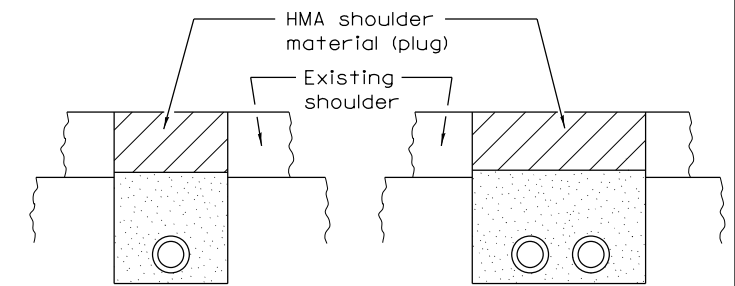
PLAN



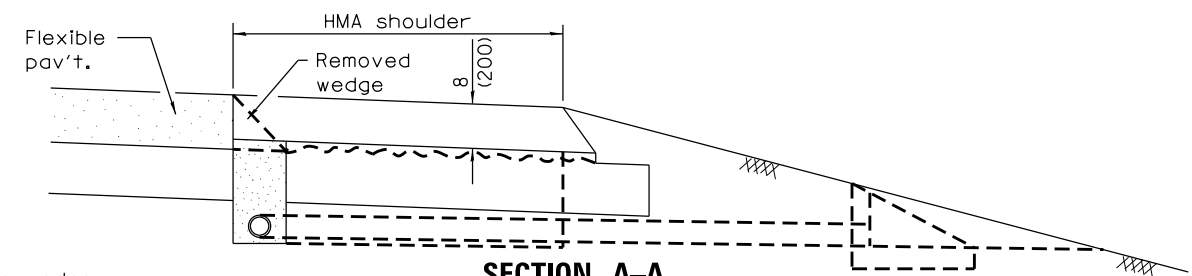
**SECTION A-A
(PCC SHOULDER)**



SECTION D-D

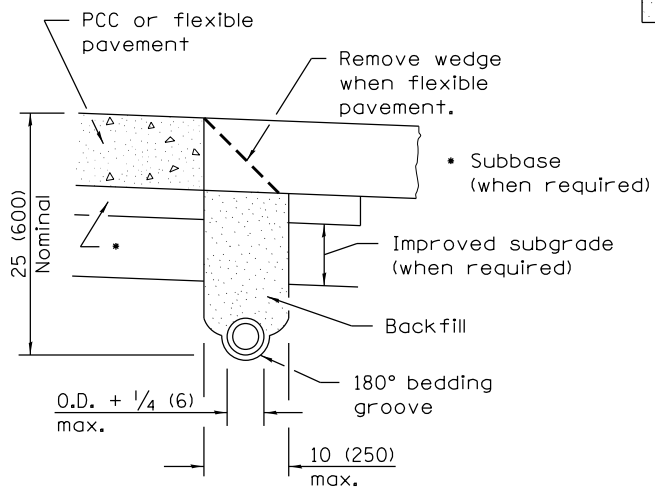


**SECTION D-D
(Sag Locations)**

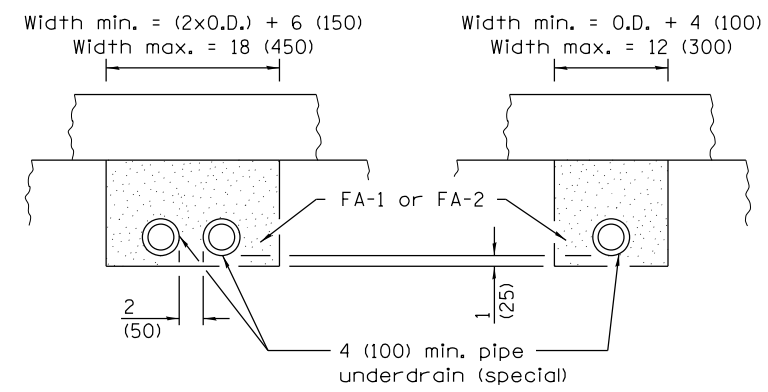


**SECTION A-A
(HMA SHOULDER)**

**TRENCH FOR CORRUGATED POLYETHYLENE
TUBING ALTERNATE**



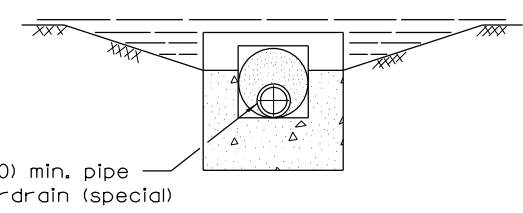
**TRENCH FOR CORRUGATED POLYETHYLENE
TUBING ALTERNATE**



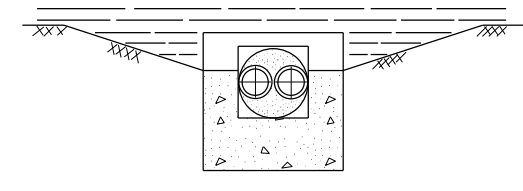
**SECTION C-C
(Sag locations)**

**SECTION C-C
(Sag locations)**

NEW CONSTRUCTION



SECTION B-B



**SECTION B-B
(Sag locations)**

EXISTING CONSTRUCTION

(Except as noted or shown, dimensions and notes specified for Existing Construction are the same as those of New Construction)

GENERAL NOTES

All underdrain, type 3 shall be installed after rubblization.

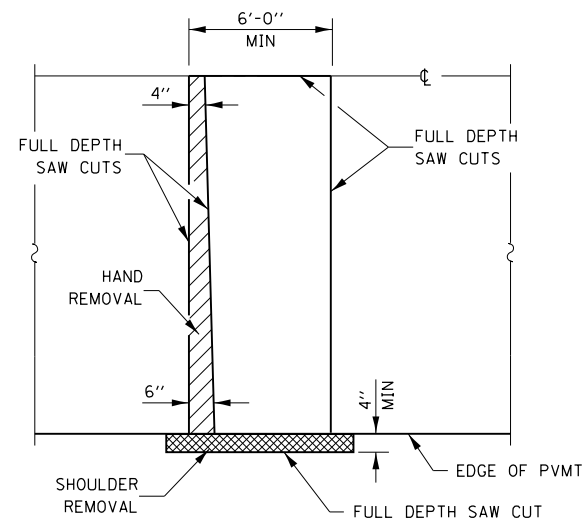
See Standard 601101 for details of concrete headwall.

See Standards 482001, 482006 and 483001 for details of shoulders not shown.

The 24 (600) radius on the drainage fitting is only a minimum. Larger radii meeting the approval of the Engineer may be substituted.

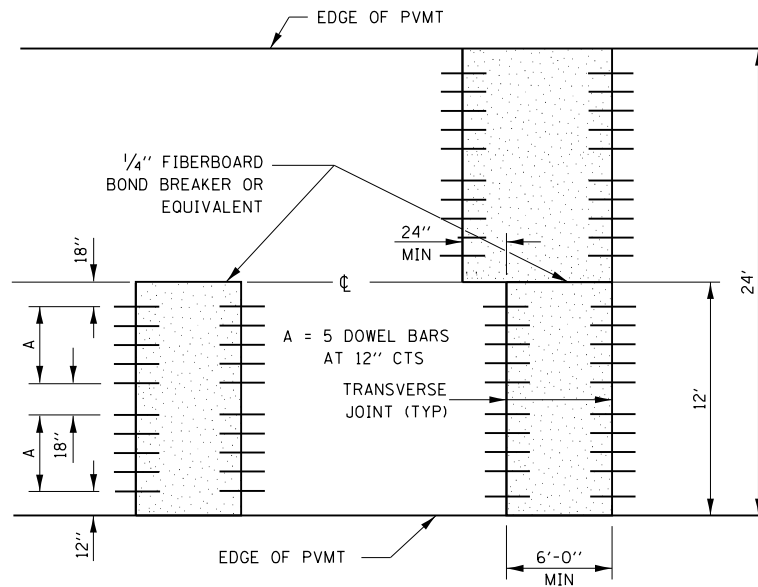
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIPE UNDERDRAIN, TYPE 3				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 3\Projects\03666\Drawings\EA\Drawings\03666-23-shd-detailed	DATE = 4/6/2017	CHECKED -	REVISED -						55	(53-4) R&I	LIVINGSTON	242	145
Default		DATE -	REVISED -		CONTRACT NO. 66F23				ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

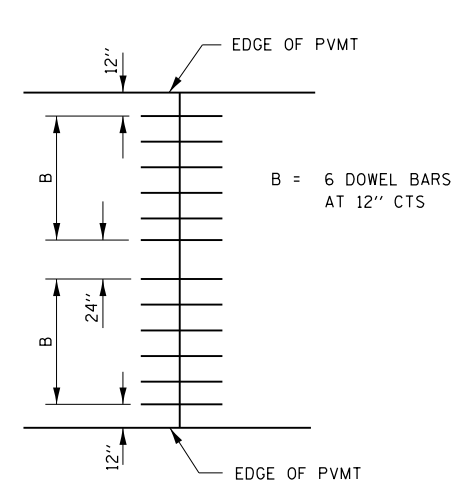


PAVEMENT SAWING DETAIL

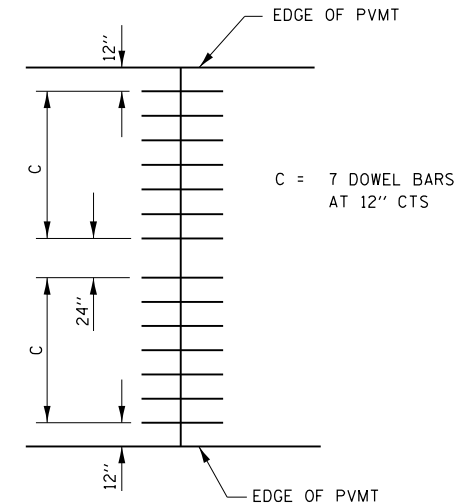
(HMA SHOULDER)



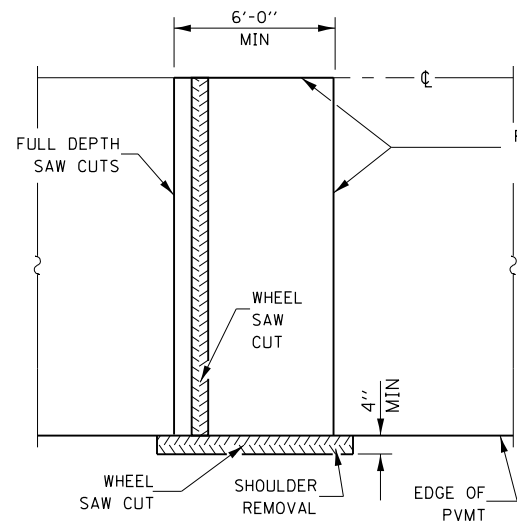
12' WIDE LANES



14' WIDE RAMP

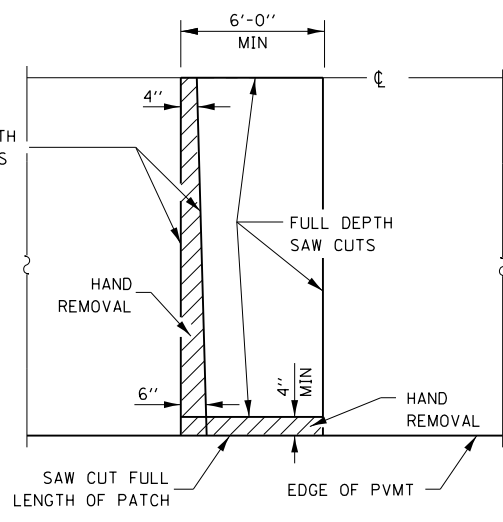


16' WIDE RAMP



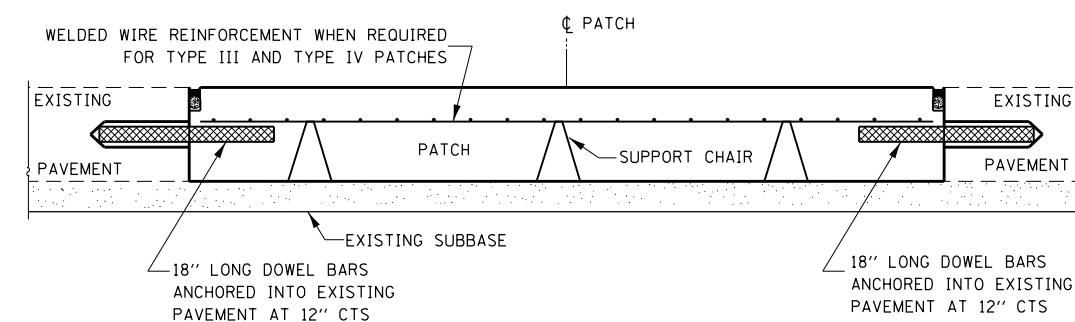
ALTERNATE SAWING DETAIL

(HMA SHOULDER)

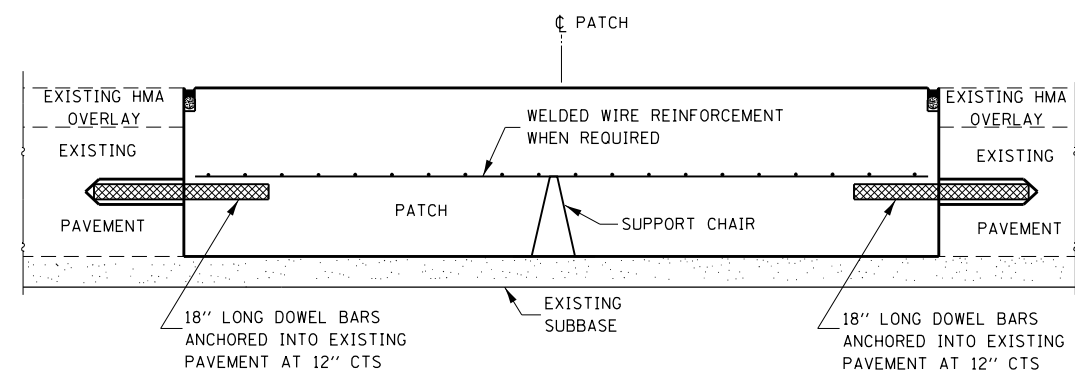


PAVEMENT SAWING DETAIL

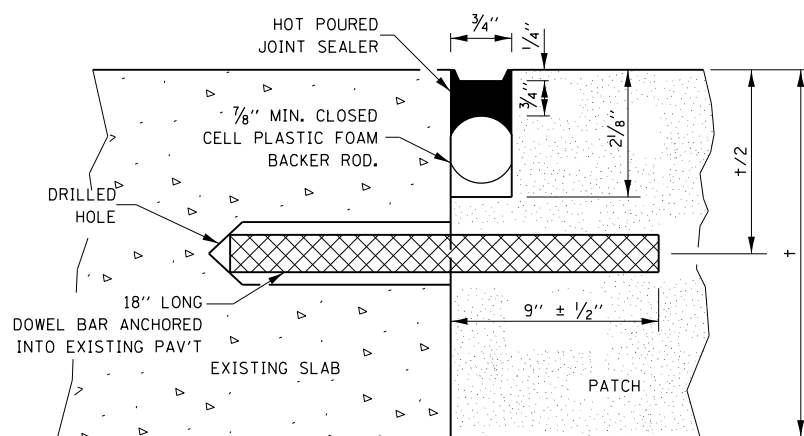
(PCC SHOULDER)



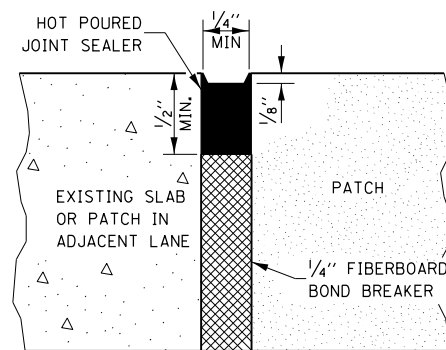
PATCHING WITHOUT HMA OVERLAY



PATCHING WITH HMA OVERLAY



TRANSVERSE JOINT

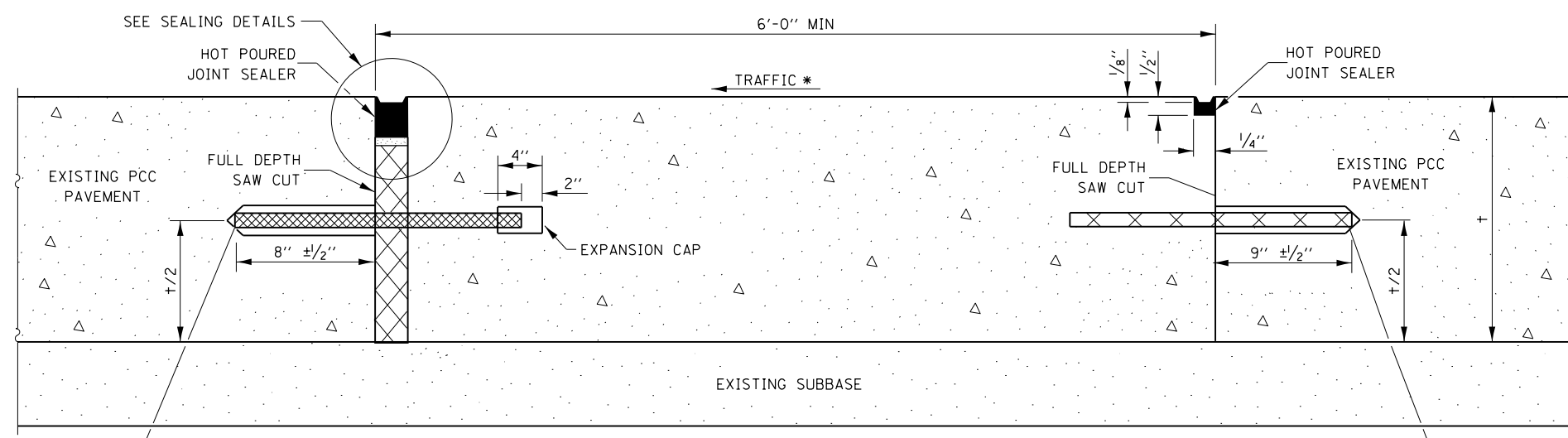


CENTERLINE JOINT

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
8" OR GREATER	1 1/2"	1 5/8"
7" THRU 7.99"	1 1/4"	1 3/8"
LESS THAN 7"	1"	1 1/8"

GENERAL NOTES

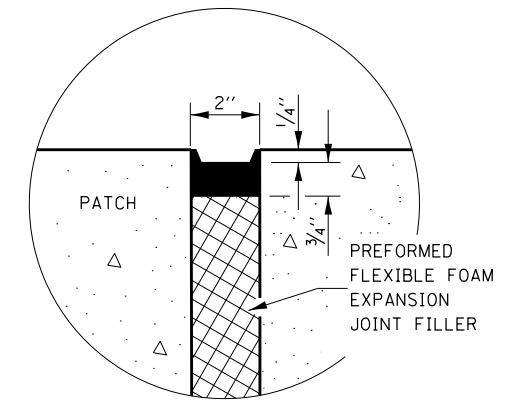
THE TRANSVERSE JOINTS FOR CLASS B PATCHES SHALL ALIGN WITH JOINTS OR CRACKS IN THE ADJACENT LANE WHENEVER POSSIBLE.
SEE STANDARD 420701 FOR DETAILS OF PAVEMENT WELDED WIRE REINFORCEMENT.



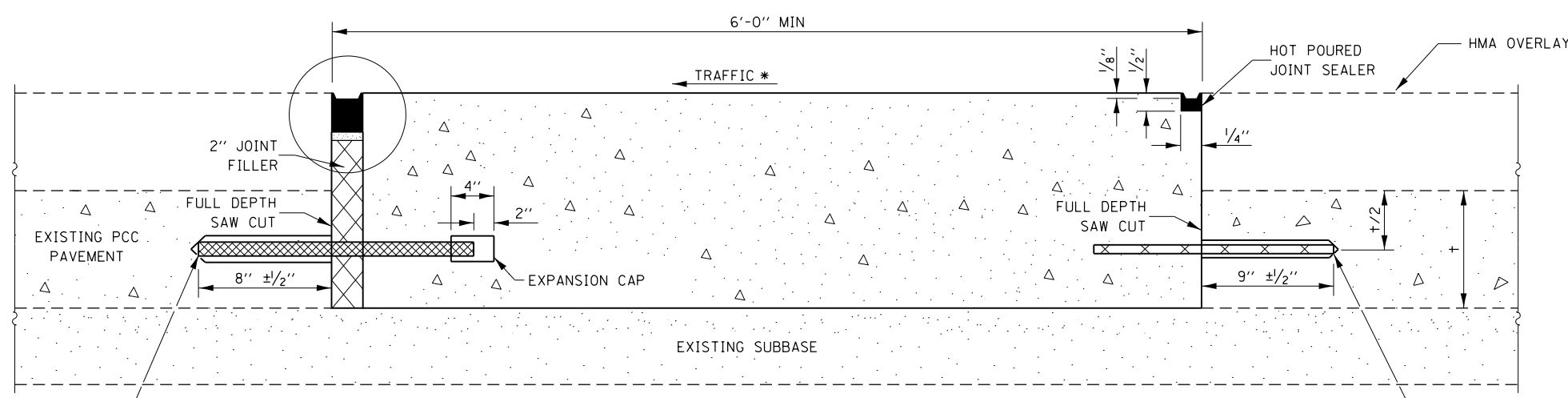
18" LONG DOWEL BARS
ANCHORED INTO EXISTING
PAVEMENT AT 12" CTS

NO. 10 x 18" EPOXY COATED
DEFORMED BARS ANCHORED
INTO EXISTING PAVEMENT
AT 12" CTS

METHOD I
(WITHOUT HMA OVERLAY)



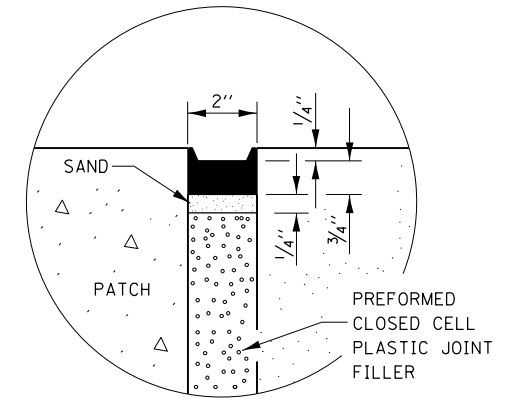
SEALING DETAIL



18" LONG DOWEL BARS
ANCHORED INTO EXISTING
PAVEMENT AT 12" CTS

NO. 10 x 18" EPOXY COATED
DEFORMED BARS ANCHORED
INTO EXISTING PAVEMENT
AT 12" CTS

METHOD II
(WITH HMA OVERLAY)



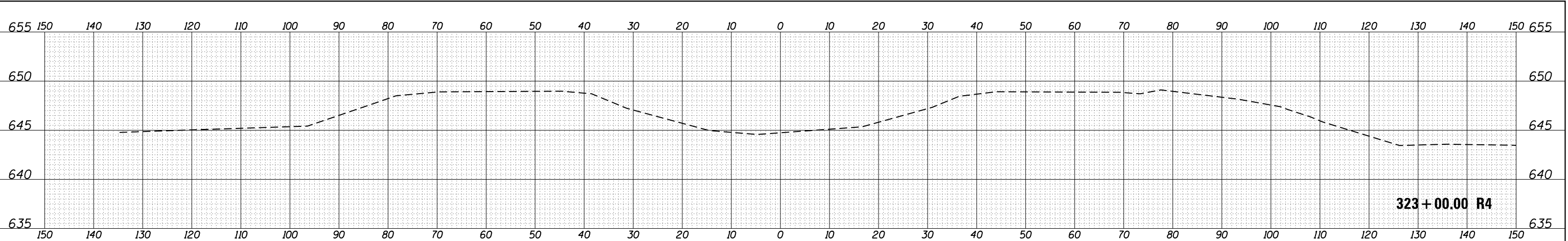
SEALING DETAIL

NOTE

* WHEN RE-ESTABLISHING A TRANSVERSE EXPANSION JOINT ON A TWO-WAY ROAD, REVERSE THE ORIENTATION OF THE DOWEL BARS WITH RESPECT TO TRAFFIC FOR ONE OF THE PATCHES SUCH THAT THE JOINT WILL BE CONTINUOUS ACROSS BOTH LANES.

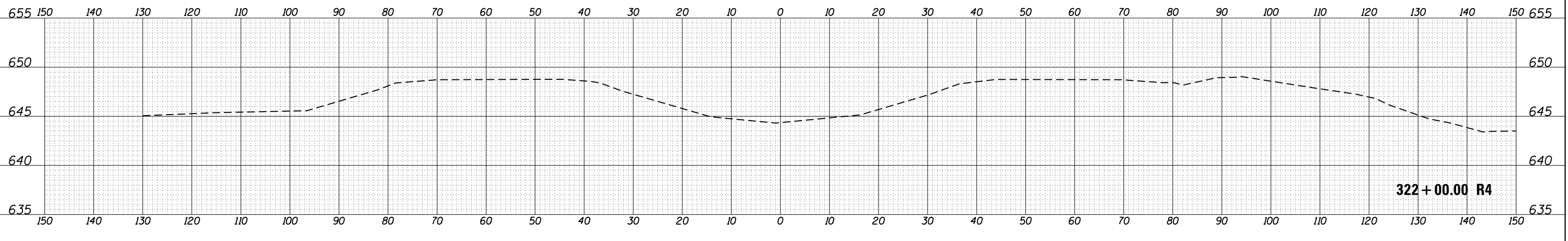
FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLASS B PATCHING DETAILS			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 3\Projects\0366\Drawings\EA\Drawings\0366F23-sht-details	DATE = 4/6/2017	CHECKED -	REVISED -					55	(53-4)R&I	LIVINGSTON	242	147
Default		DATE -	REVISED -					CONTRACT NO. 66F23				
								ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

BY	DATE



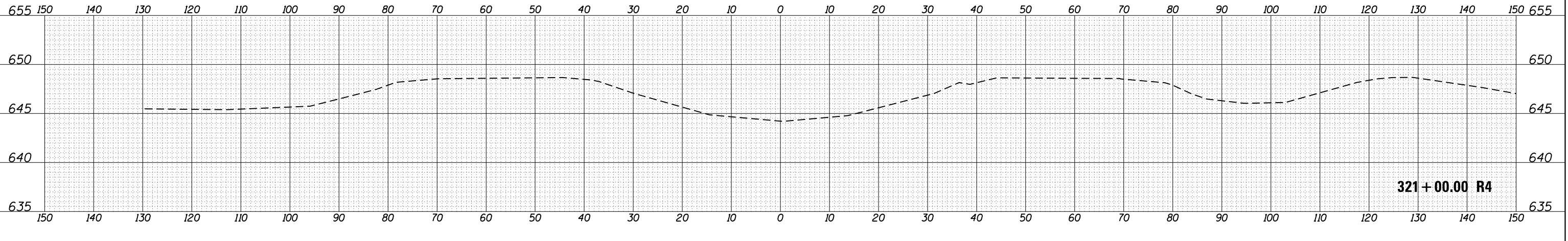
323+00.00 R4

BY	DATE

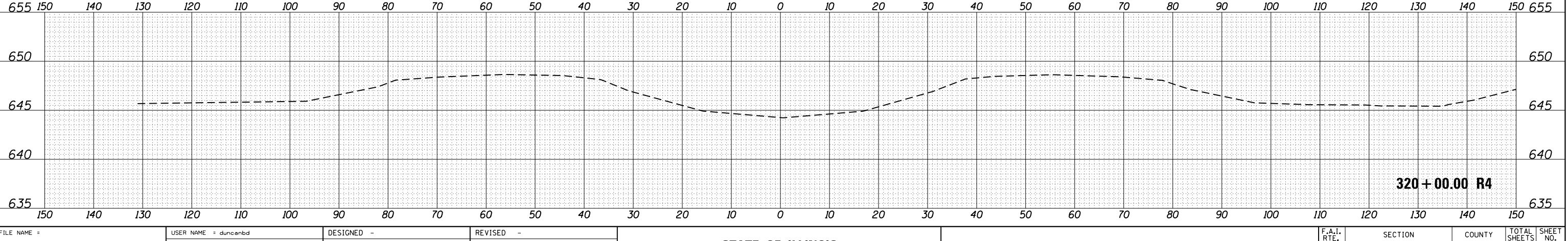


322+00.00 R4

BY	DATE



321+00.00 R4



320+00.00 R4

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 Third Round

USER NAME = duncanbd
 DESIGNED -
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 4/6/2017

DESIGNED -
 CHECKED -
 DATE -

REVISED -
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 REVISED -

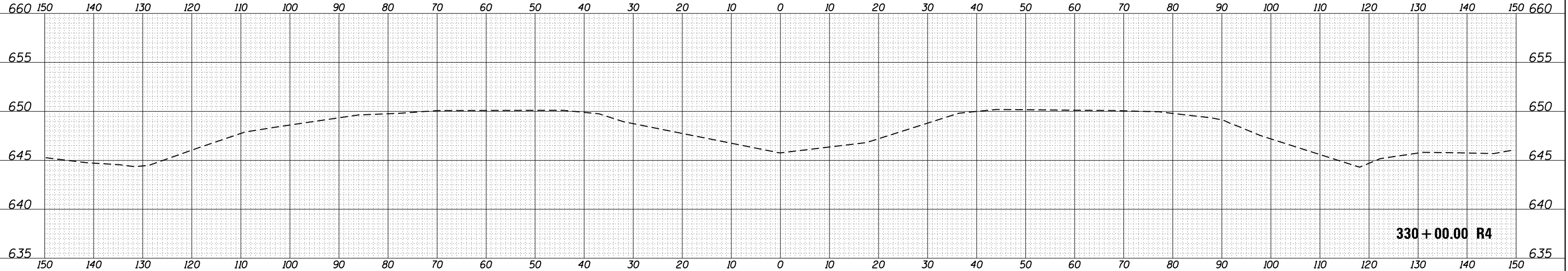
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

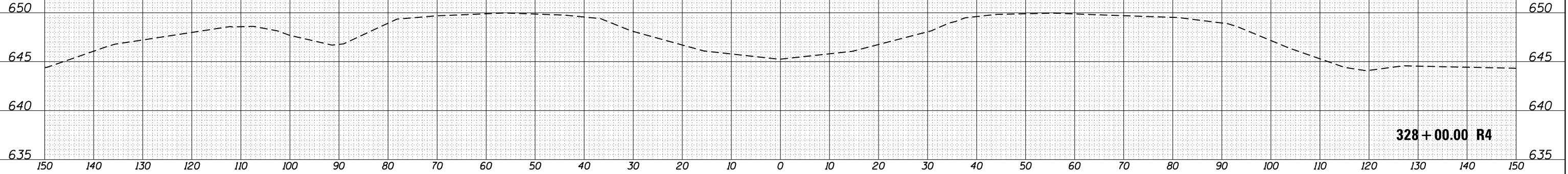
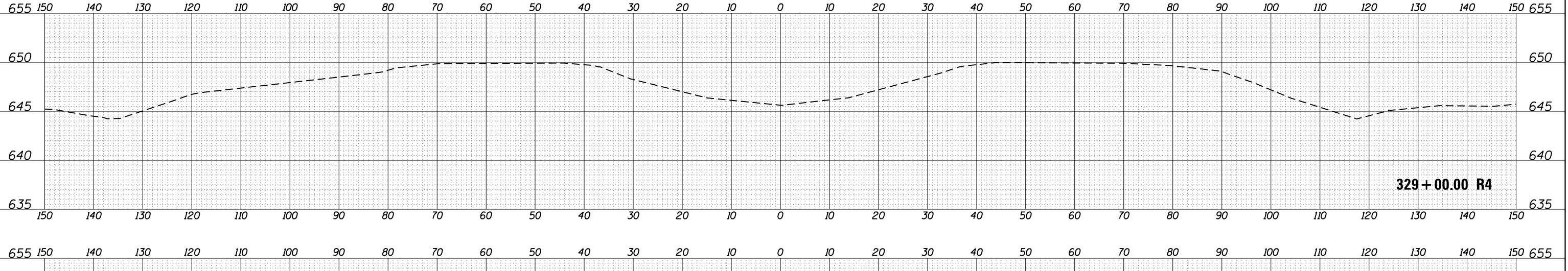
SCALE: SHEET OF SHEETS STA. 320+00.00 R4 TO STA. 323+00.00 R4

F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	148
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				

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



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



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -

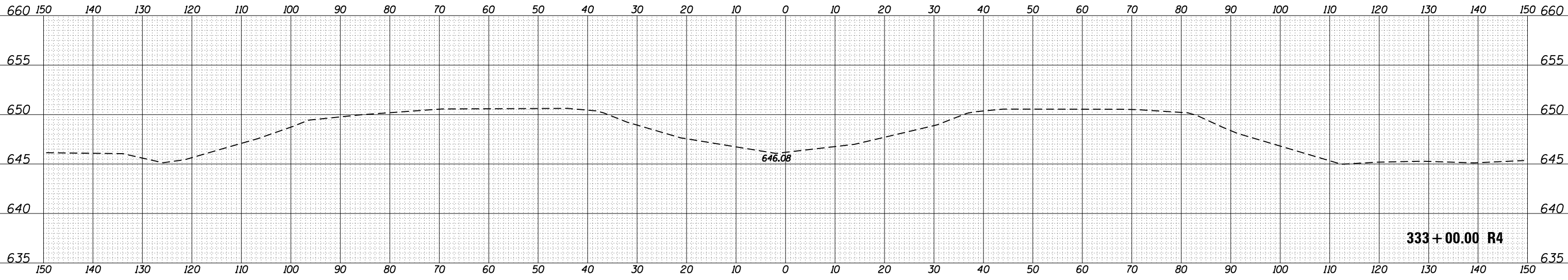
Third Round

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

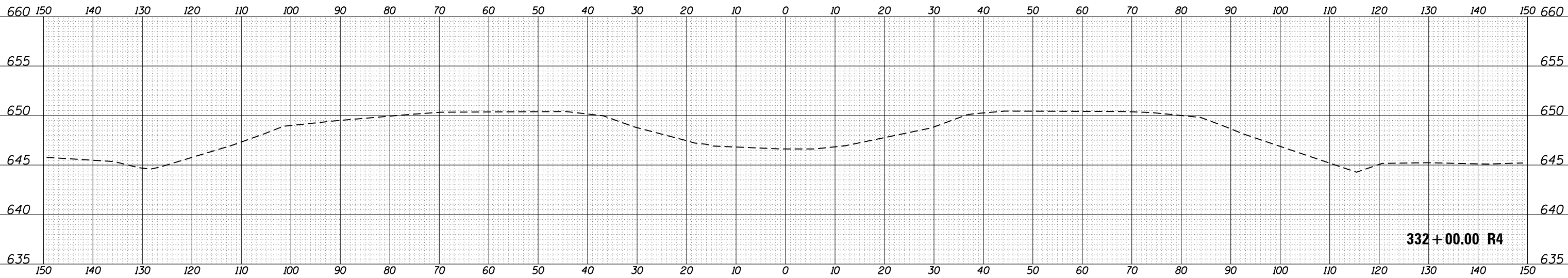
F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	150
CONTRACT NO. 66F23				
SCALE:	SHEET OF SHEETS	STA. 328+00.00 R4 TO STA. 330+00.00 R4	ILLINOIS FED. AID PROJECT	

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

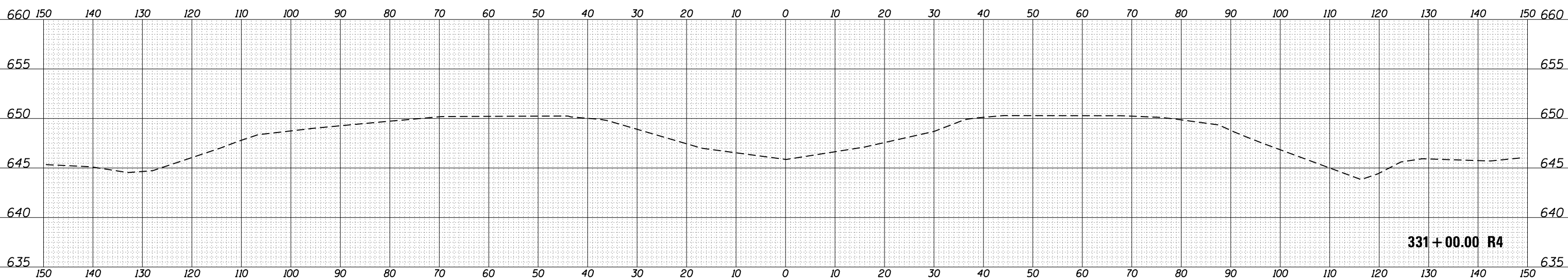


333+00.00 R4

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



332+00.00 R4



331+00.00 R4

FILE NAME =
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 Third Round

USER NAME = duncanbd
 DESIGNED -
 PLOT SCALE = 20.0000' / in.
 CHECKED -
 DATE = 4/6/2017

DESIGNED -
 REVISIONS
 CHECKED -
 DATE -

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

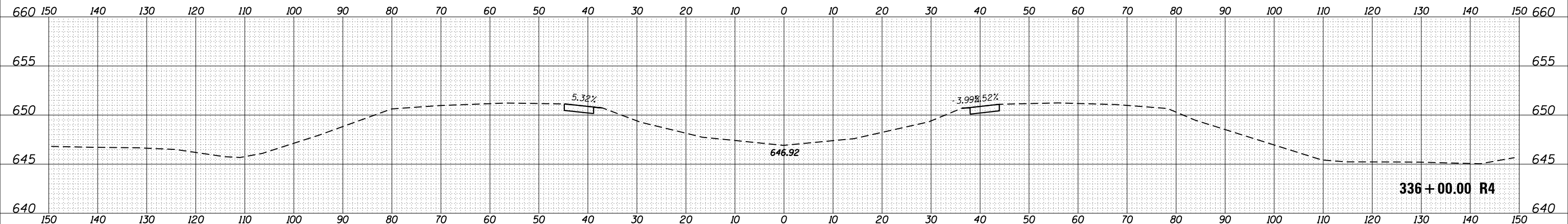
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 331+00.00 R4 TO STA. 333+00.00 R4

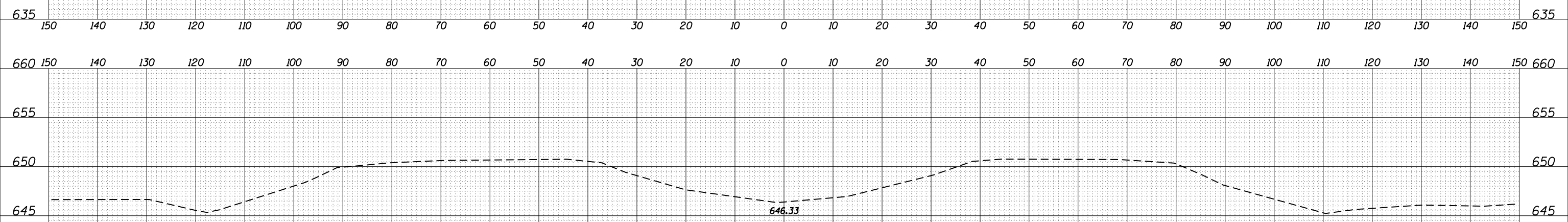
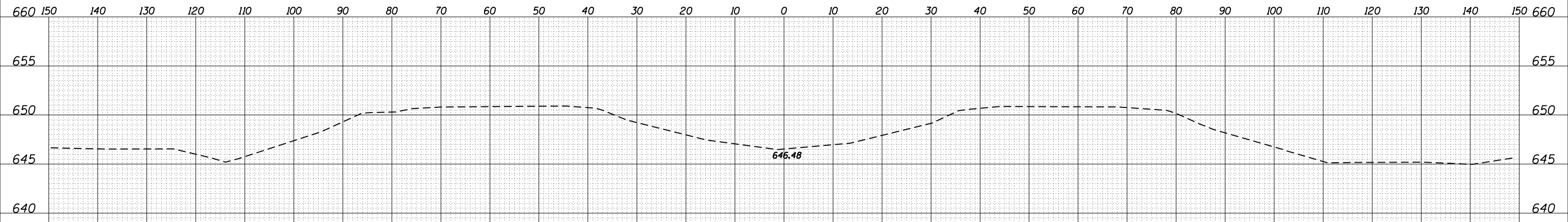
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	151
				CONTRACT NO. 66F23

ILLINOIS FED. AID PROJECT

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

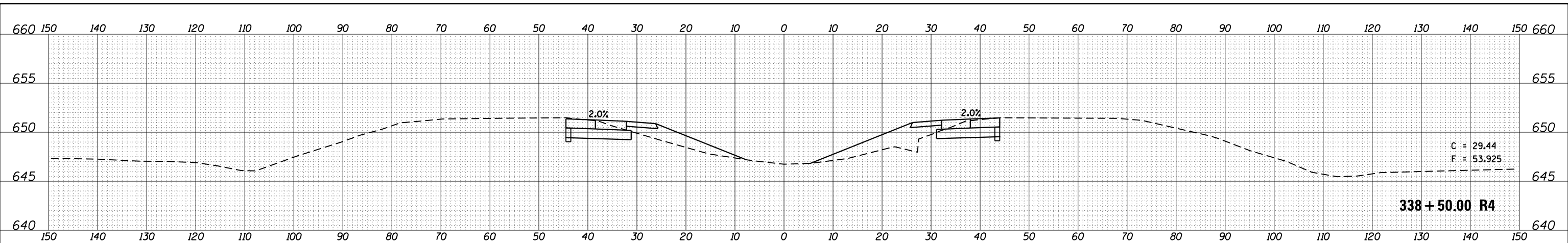


DATE	
BY	
SURVEYED	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	

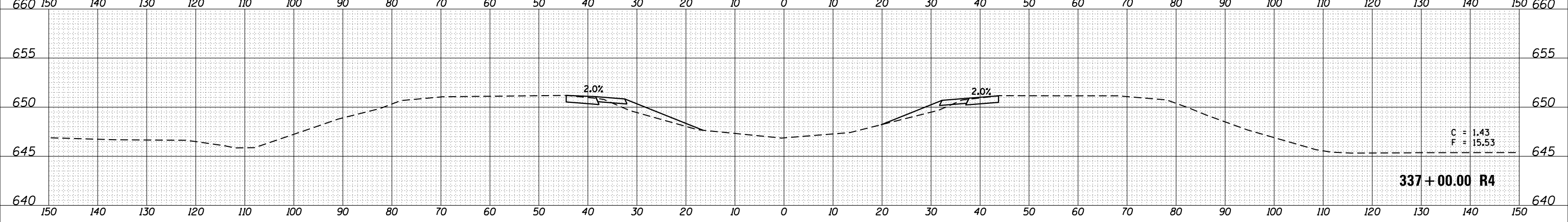
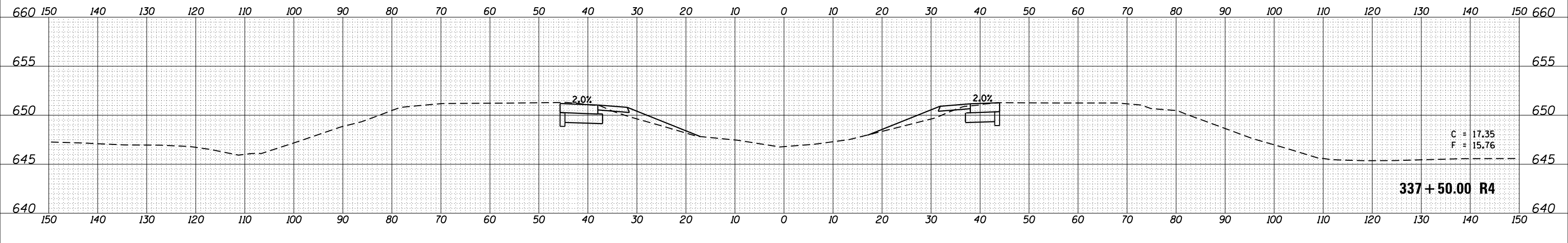
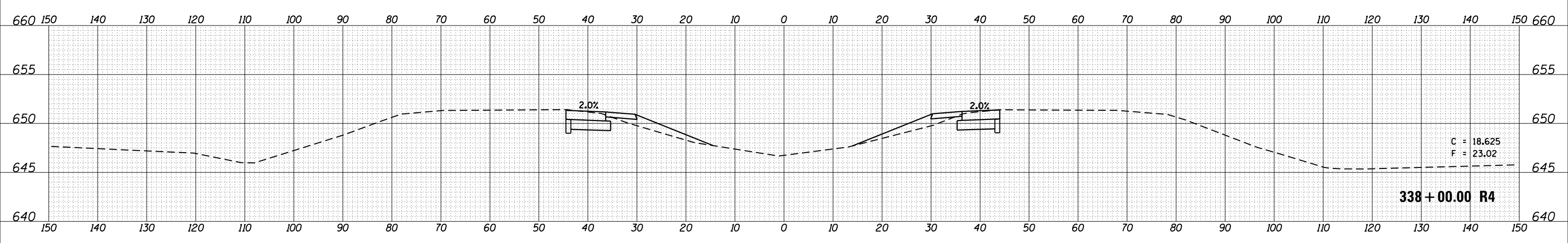


FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS				F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\D366F23\CADD\DRAWING\Drawings\366F23-sht-xssht.dgn		CHECKED -	REVISED -		55	(53-4) R&I	LIVINGSTON	242	152				
Third Round	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. 334+00.00 R4 TO STA. 336+00.00 R4				CONTRACT NO. 66F23				
	PLOT DATE = 4/6/2017				ILLINOIS FED. AID PROJECT								

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



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

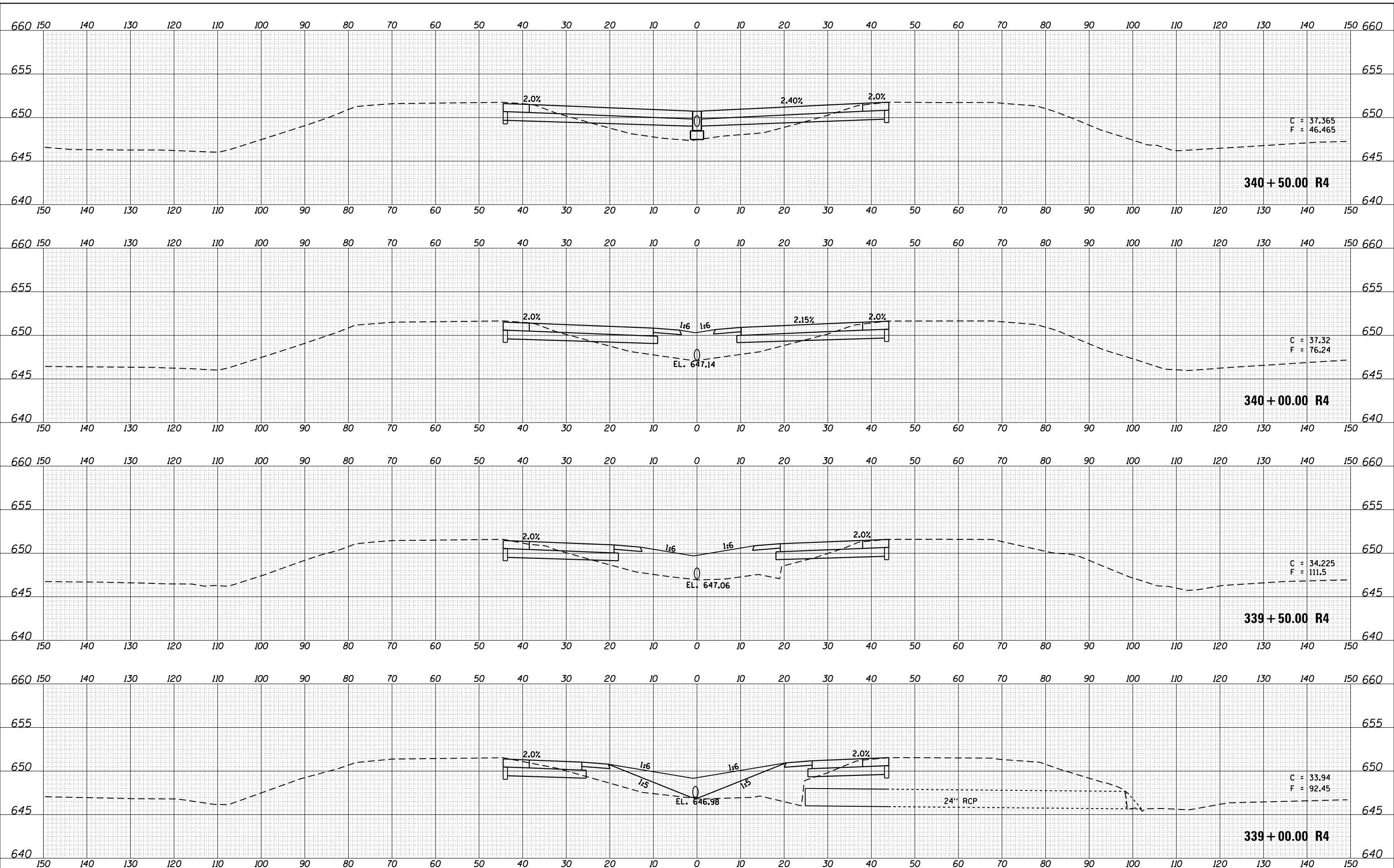


FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS</p>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG.Illinois.gov\PIDOT\Documents\DOT Offices\District 3\Projects\D366F23\CADD\Drawings\Drawings\366F23-sht-xssht.dgn		CHECKED -	REVISED -		55	(53-4) R&I	LIVINGSTON	242	153
PLOT SCALE = 20.0000' / in.		DATE -	REVISED -		CONTRACT NO. 66F23				
Third Round					ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. 337+00.00 R4 TO STA. 338+50.00 R4

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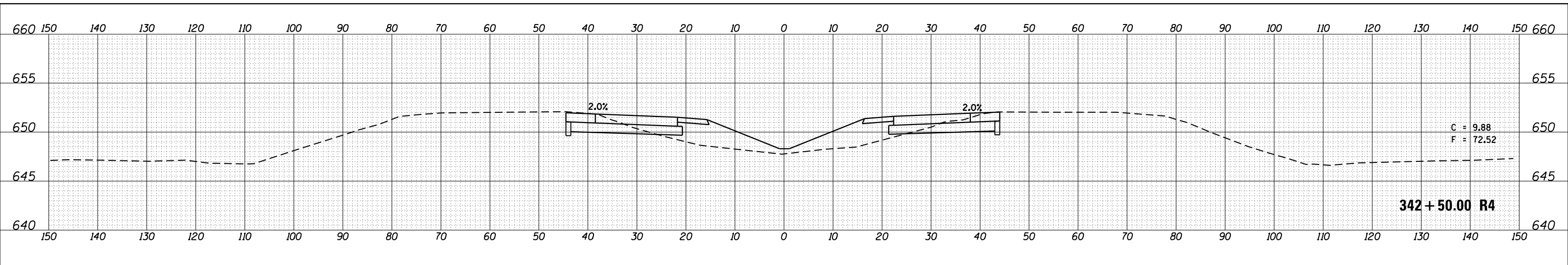
DATE	
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PLOTTED	
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AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: SHEET OF SHEETS STA. 339+00.00 R4 TO STA. 340+50.00 R4	F.A.I. RTE. 55	SECTION (53-4) R&I	COUNTY LIVINGSTON	TOTAL SHEETS 242	SHEET NO. 154		
Third Round	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66F23		ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/6/2017	DATE -	REVISED -									

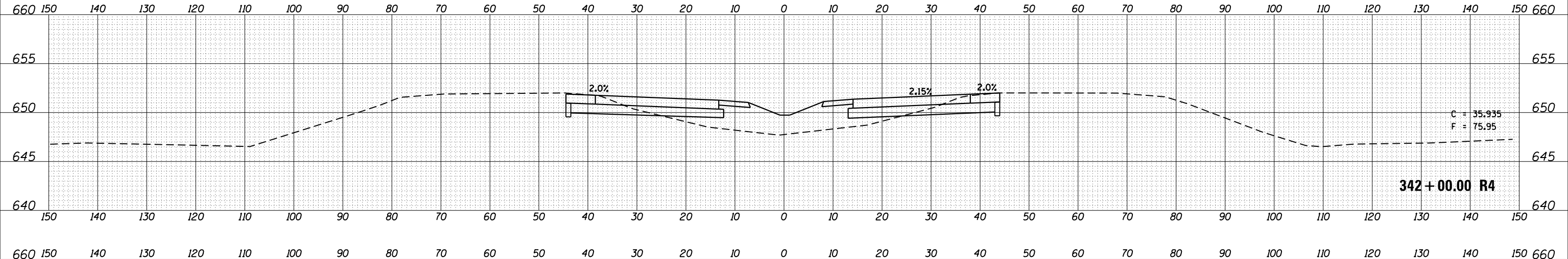
BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS
	CHECKED



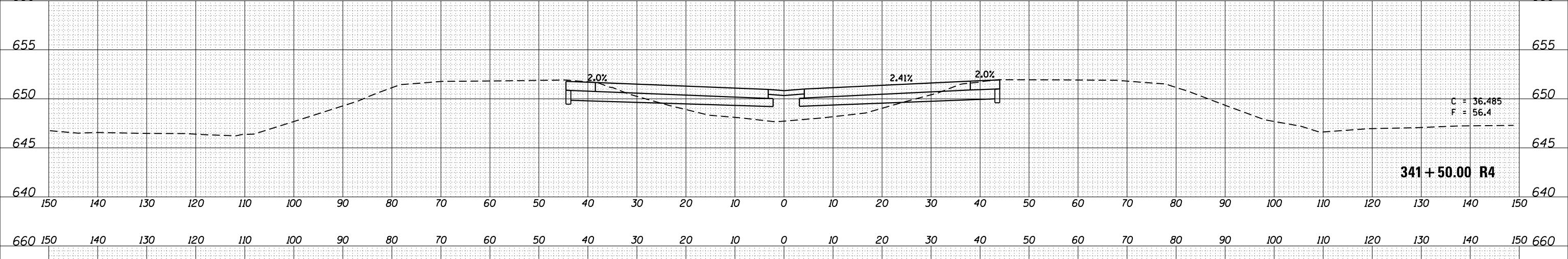
342 + 50.00 R4

C = 9.88
F = 72.52



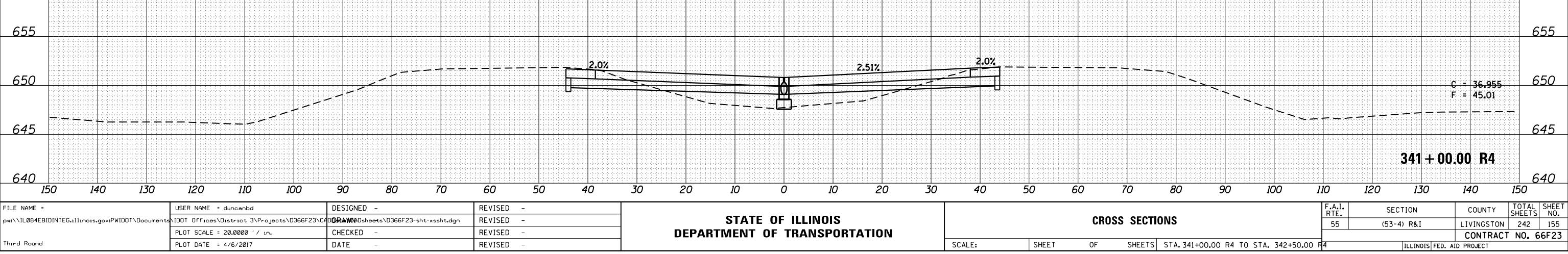
342 + 00.00 R4

C = 35.935
F = 75.95



341 + 50.00 R4

C = 36.485
F = 56.4



341 + 00.00 R4

C = 36.955
F = 45.01

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USER NAME = duncanbd	DESIGNED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

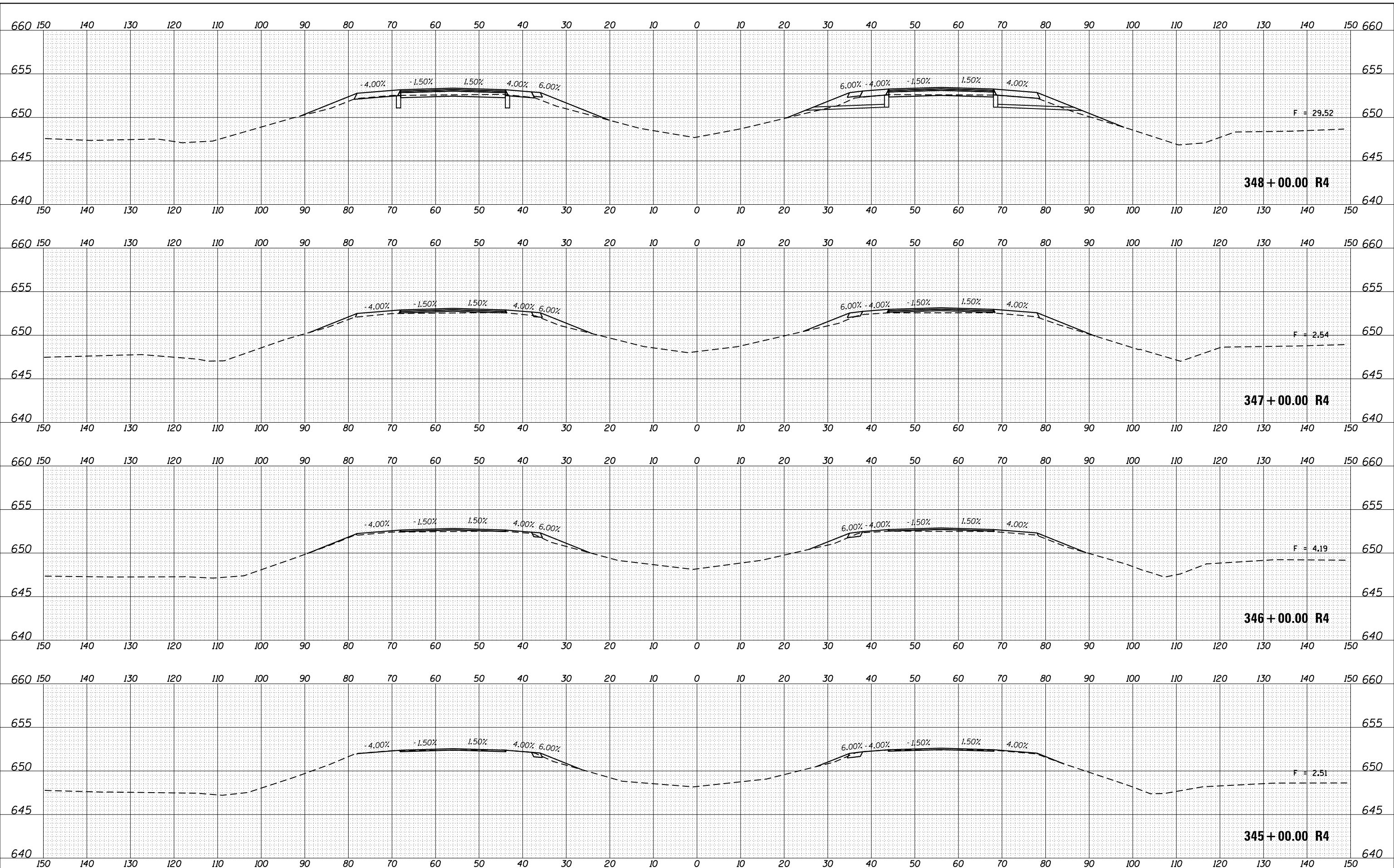
CROSS SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	155
CONTRACT NO. 66F23				

SCALE: SHEET OF SHEETS STA. 341+00.00 R4 TO STA. 342+50.00 R4

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

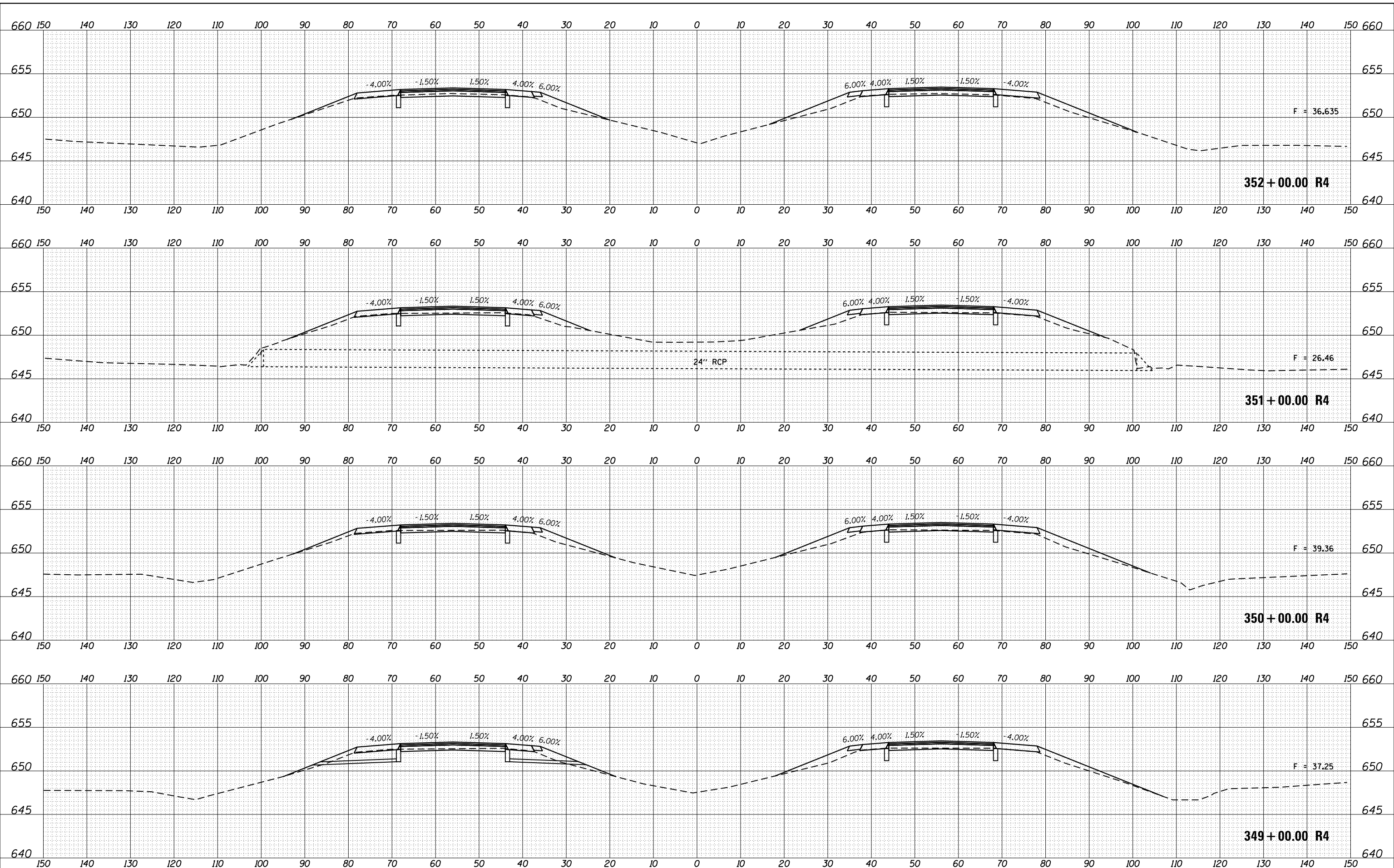
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NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: SHEET OF SHEETS STA. 345+00.00 R4 TO STA. 348+00.00 R4	F.A.I. RTE. 55	SECTION (53-4) R&I	COUNTY LIVINGSTON	TOTAL SHEETS 242	SHEET NO. 157		
Third Round	PLLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66F23		ILLINOIS FED. AID PROJECT				
	PLLOT DATE: 4/6/2017	DATE -	REVISED -									

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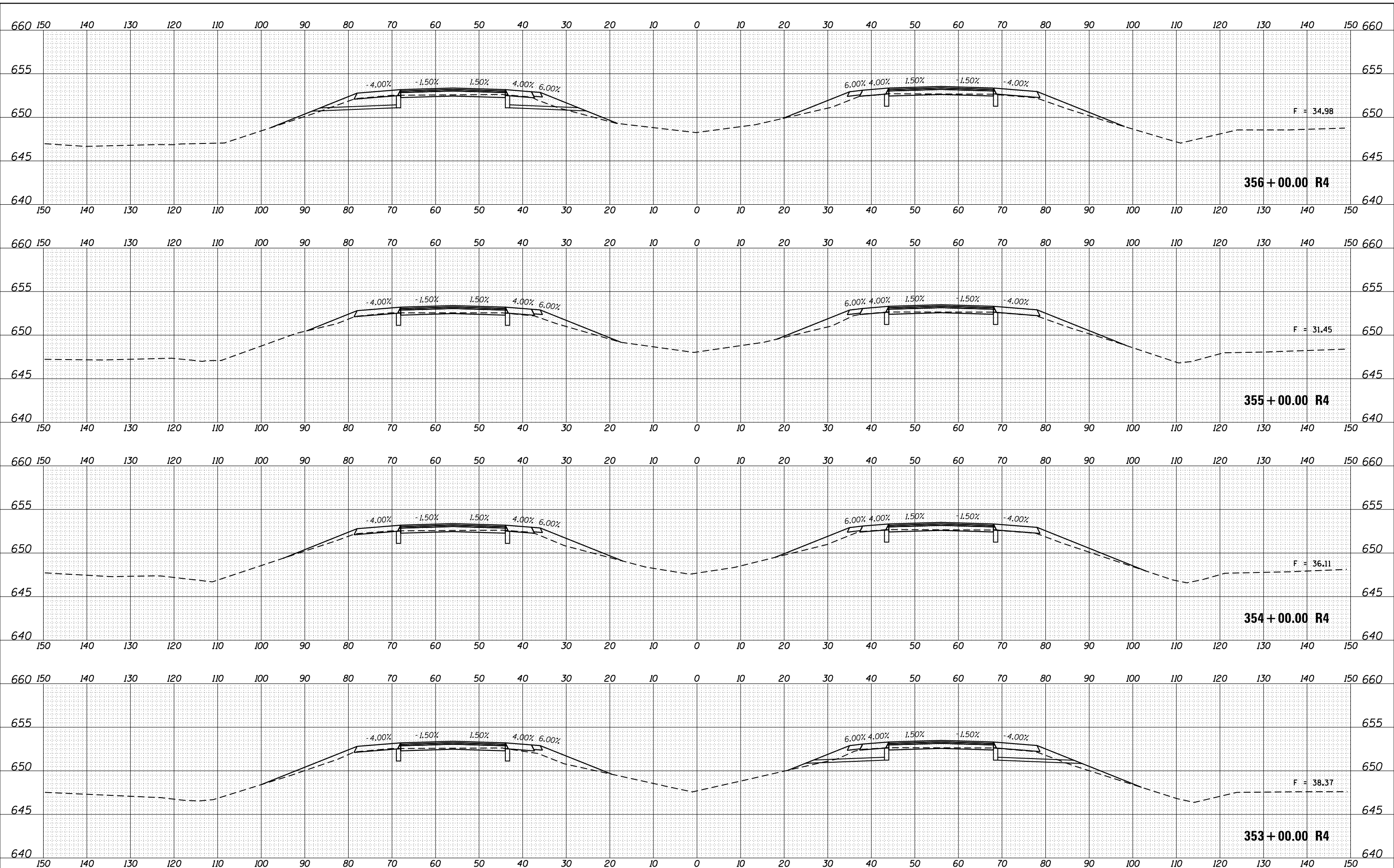
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FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: SHEET OF SHEETS STA. 349+00.00 R4 TO STA. 352+00.00 R4	F.A.I. RTE. 55	SECTION (53-4) R&I	COUNTY LIVINGSTON	TOTAL SHEETS 242	SHEET NO. 158
Third Round	DATE: 4/6/2017	CHECKED -	REVISED -			CONTRACT NO. 66F23	ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -							

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USER NAME = duncanbd
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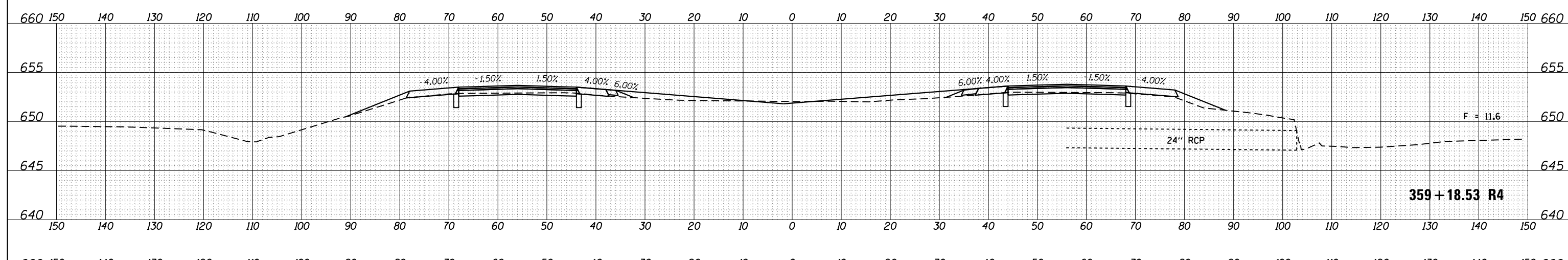
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

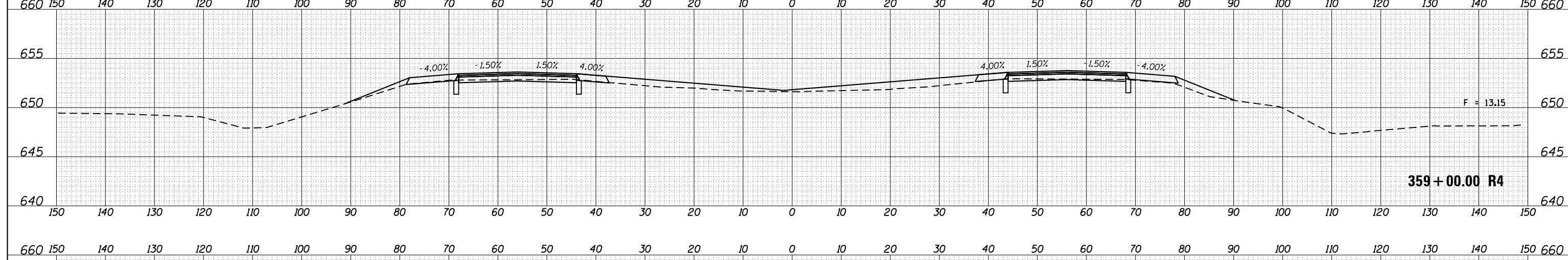
SCALE: SHEET OF SHEETS STA. 353+00.00 R4 TO STA. 356+00.00 R4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	159
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	

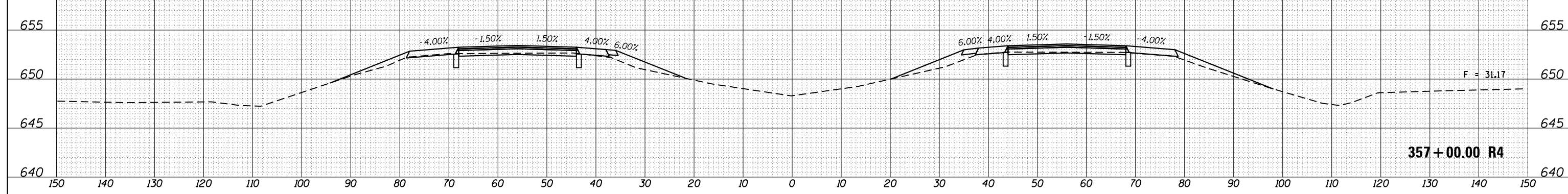
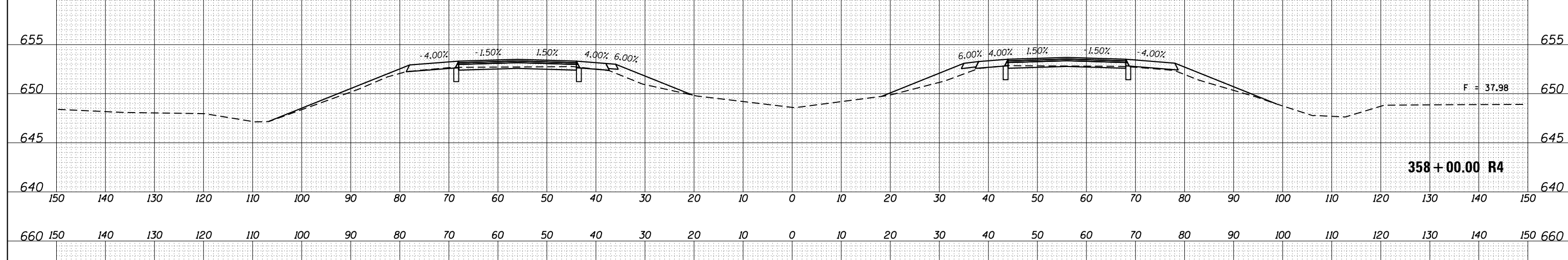
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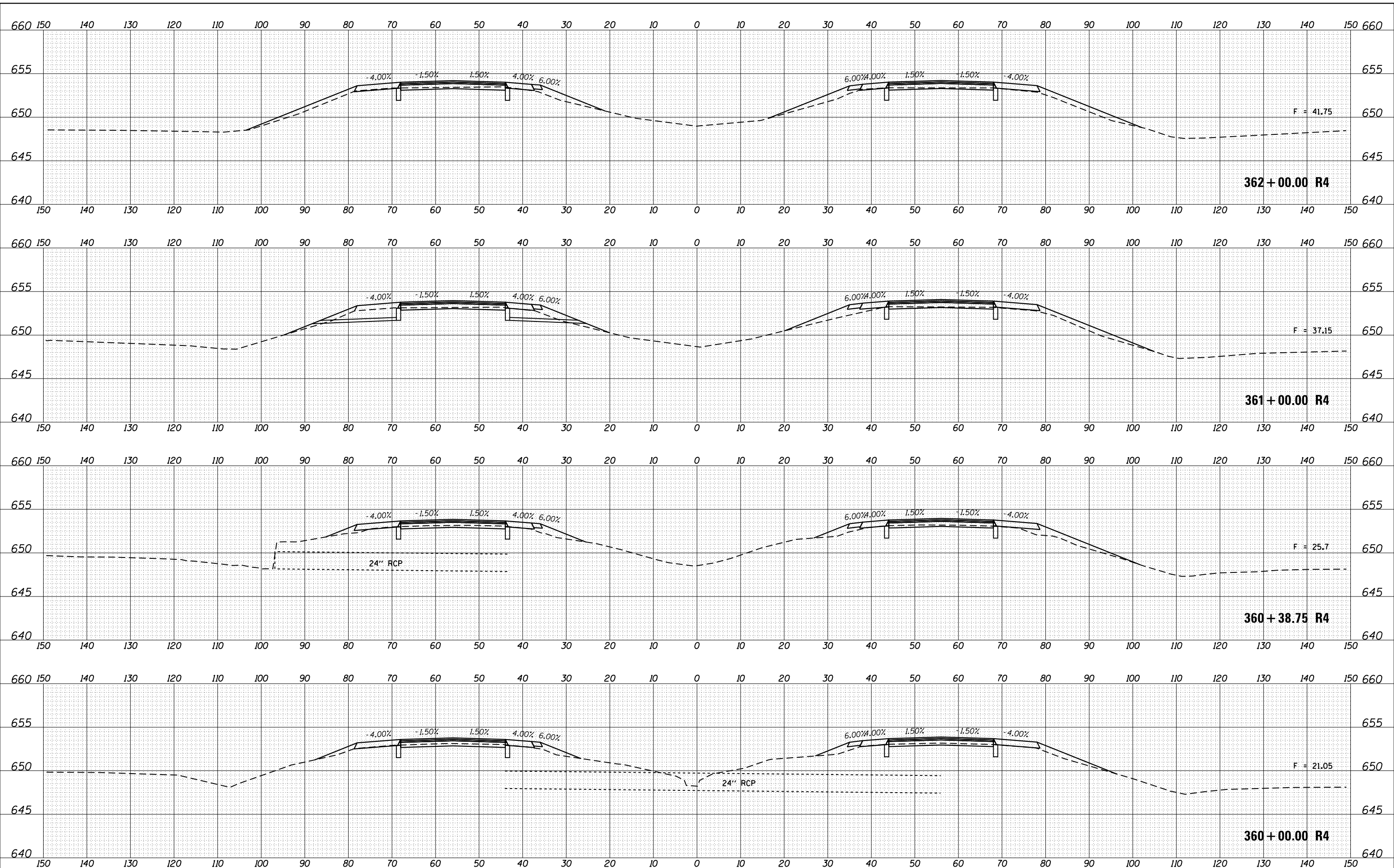
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FILE NAME -	USER NAME - duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: SHEET OF SHEETS STA. 357+00.00 R4 TO STA. 359+18.53 R4	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
C:\pwworking\Illinois\Projects\0366F23\CAD\Drawings\0366F23-sht-xssht.dgn						55	(53-4) R&I	LIVINGSTON	242	160	
PLOT SCALE = 20.0000' / in.						CHECKED -	REVISED -	CONTRACT NO. 66F23			
PLOT DATE: 4/6/2017						DATE -	REVISED -	ILLINOIS FED. AID PROJECT			

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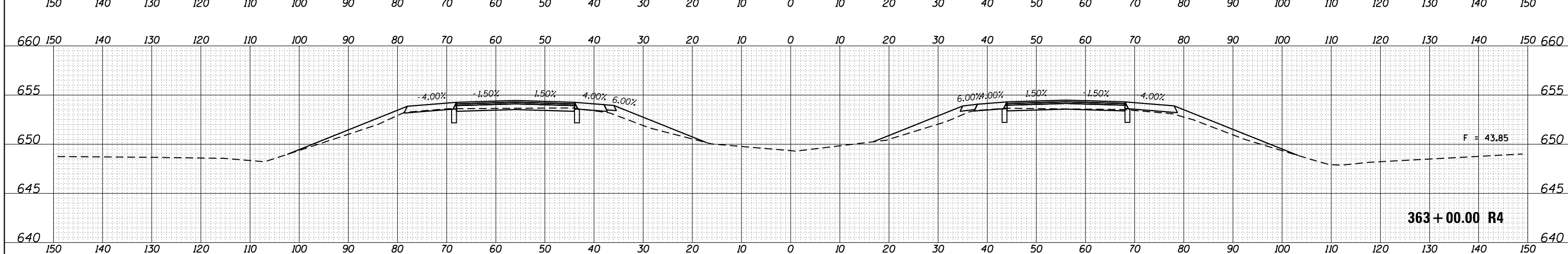
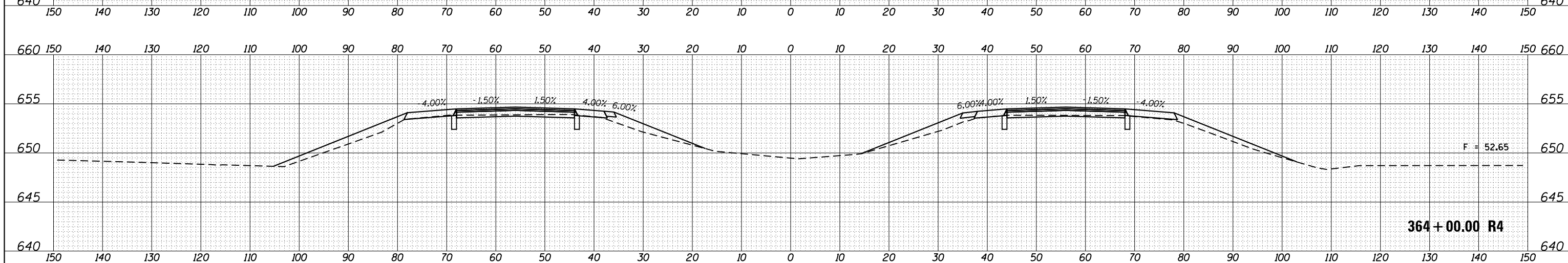
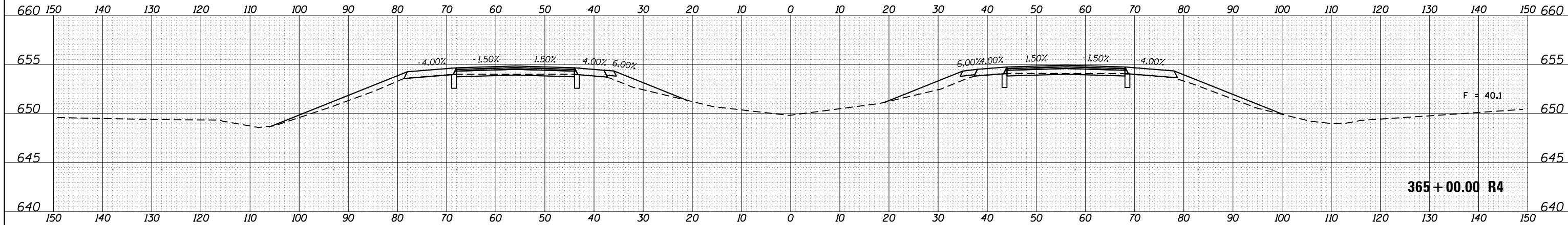
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 360+00.00 R4 TO STA. 362+00.00 R4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	161
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



DATE	
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 Third Round

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 CHECKED -
 DATE - 4/6/2017

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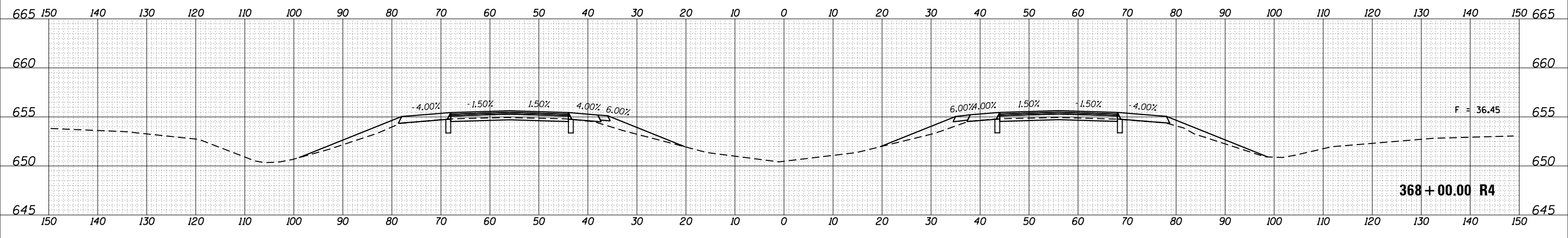
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

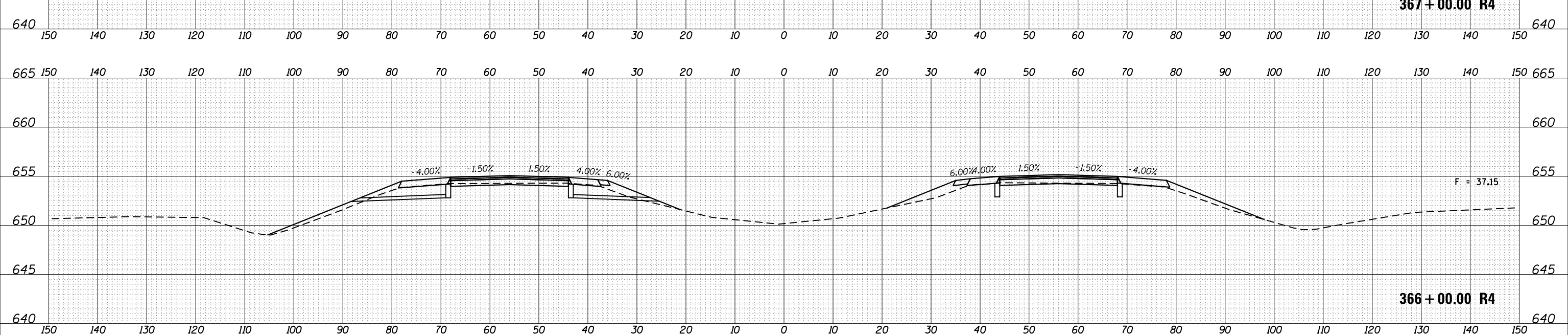
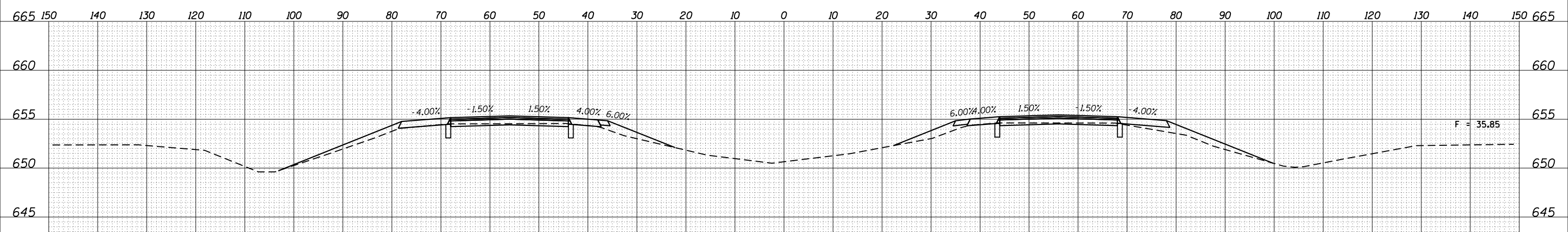
SCALE: SHEET OF SHEETS STA. 363+00.00 R4 TO STA. 365+00.00 R4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	162
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	

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



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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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Third Round	PLOT DATE: 4/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

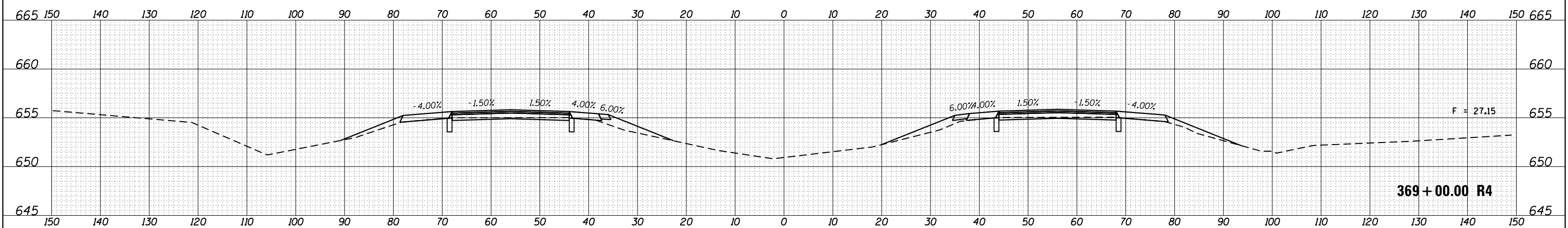
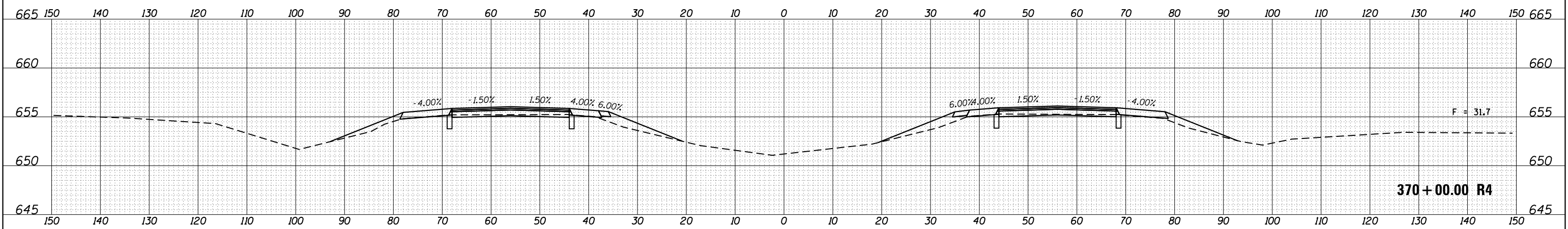
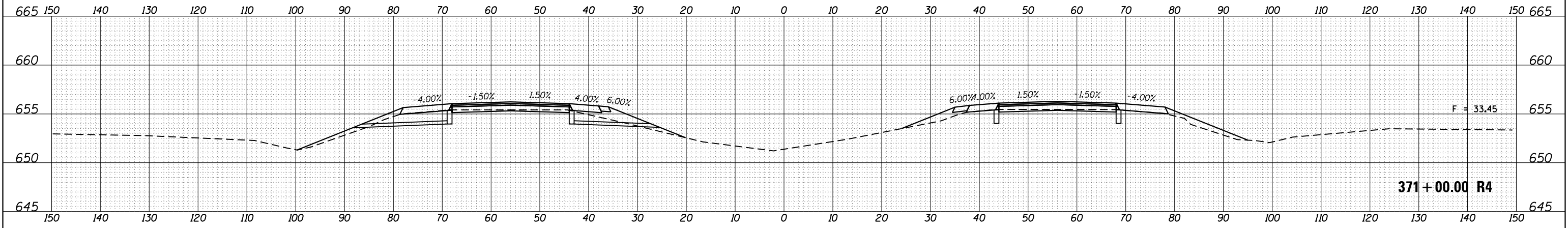
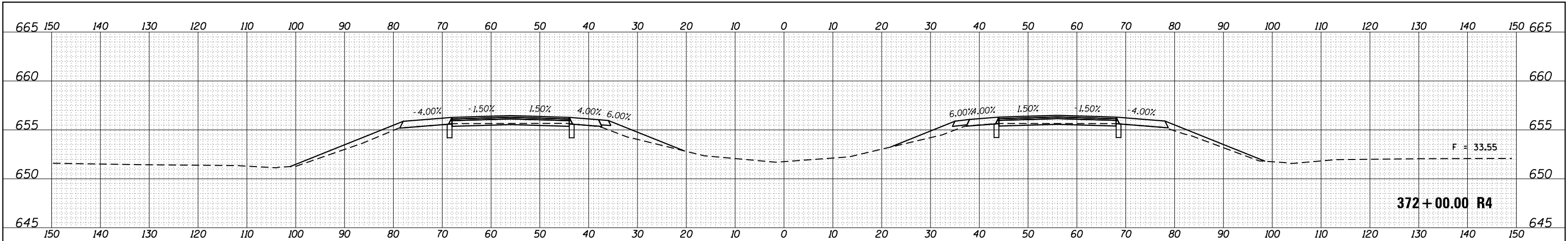
CROSS SECTIONS

SCALE:	SHEET	OF	SHEETS	STA. 366+00.00 R4 TO STA. 368+00.00 R4	ILLINOIS FED. AID PROJECT
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	163
CONTRACT NO. 66F23				

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

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



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USER NAME = duncanbd	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE: 4/6/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

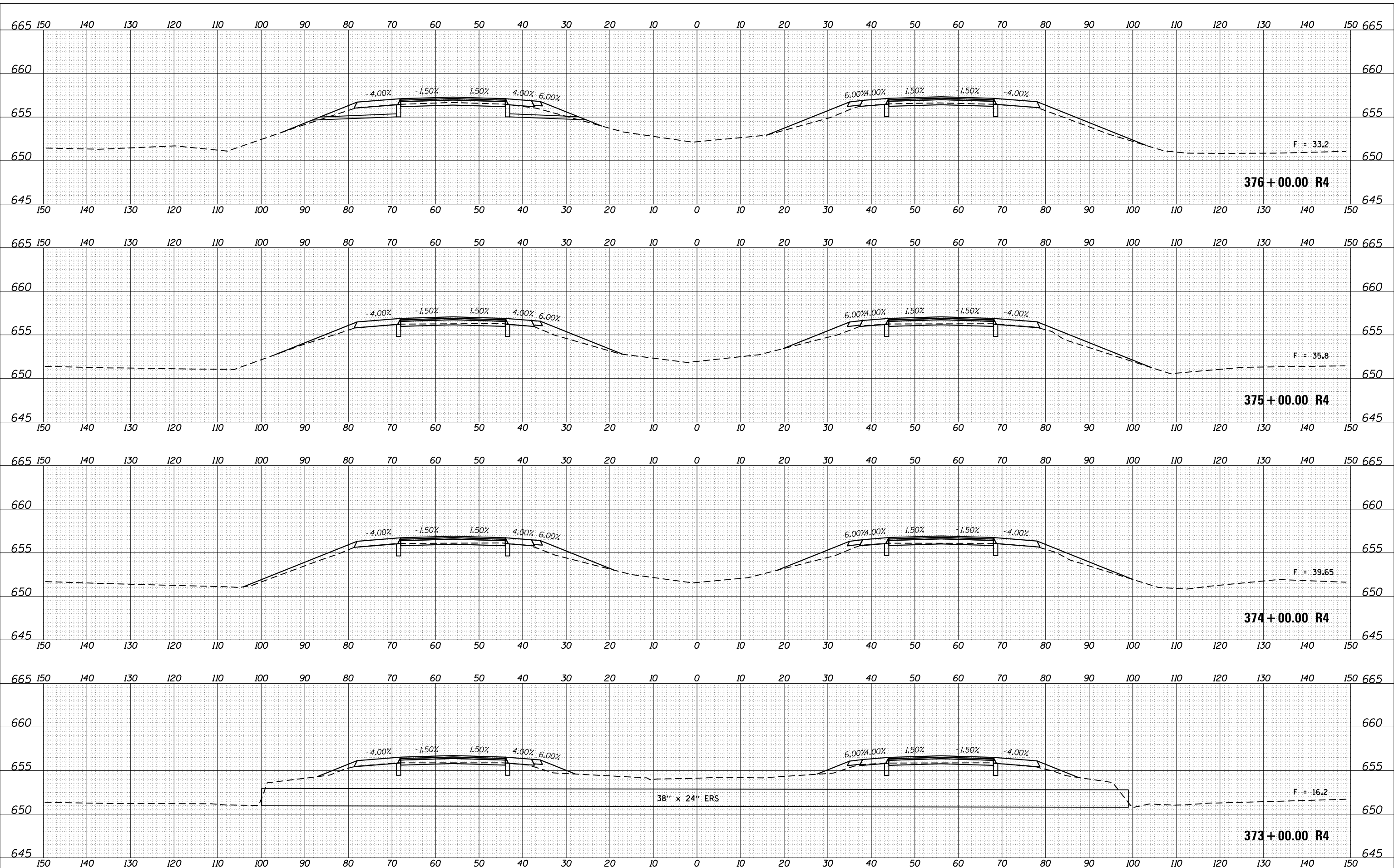
CROSS SECTIONS

F.A.I. RTE. 55	SECTION (53-4) R&I	COUNTY LIVINGSTON	TOTAL SHEETS 242	SHEET NO. 164
CONTRACT NO. 66F23				

SCALE: SHEET OF SHEETS STA. 369+00.00 R4 TO STA. 372+00.00 R4 ILLINOIS FED. AID PROJECT

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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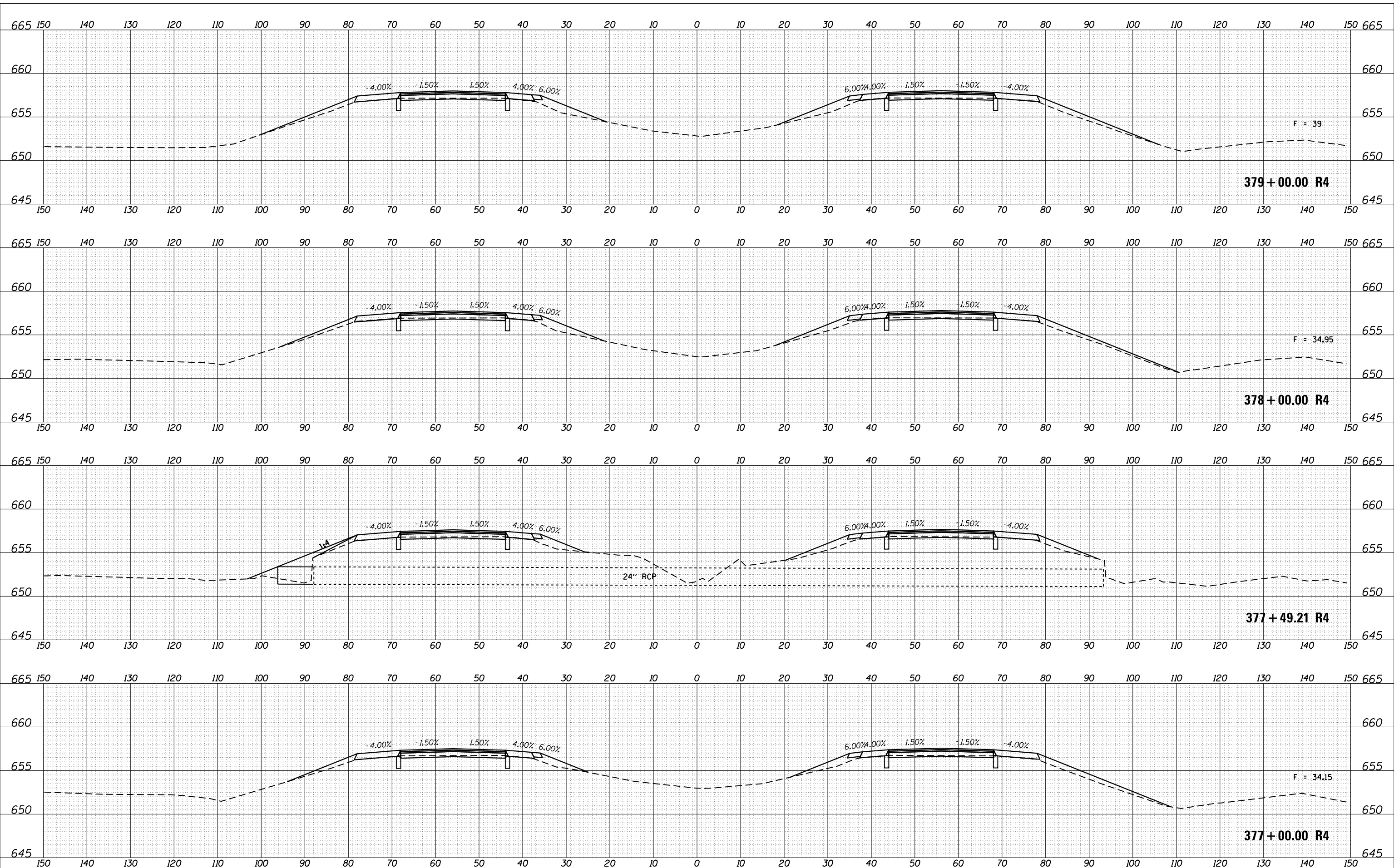
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NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: SHEET OF SHEETS STA. 373+00.00 R4 TO STA. 376+00.00 R4	F.A.I. RTE. 55	SECTION (53-4) R&I	COUNTY LIVINGSTON	TOTAL SHEETS 242	SHEET NO. 165		
Third Round	PLLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66F23		ILLINOIS FED. AID PROJECT				
	PLLOT DATE: 4/6/2017	DATE -	REVISED -									

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

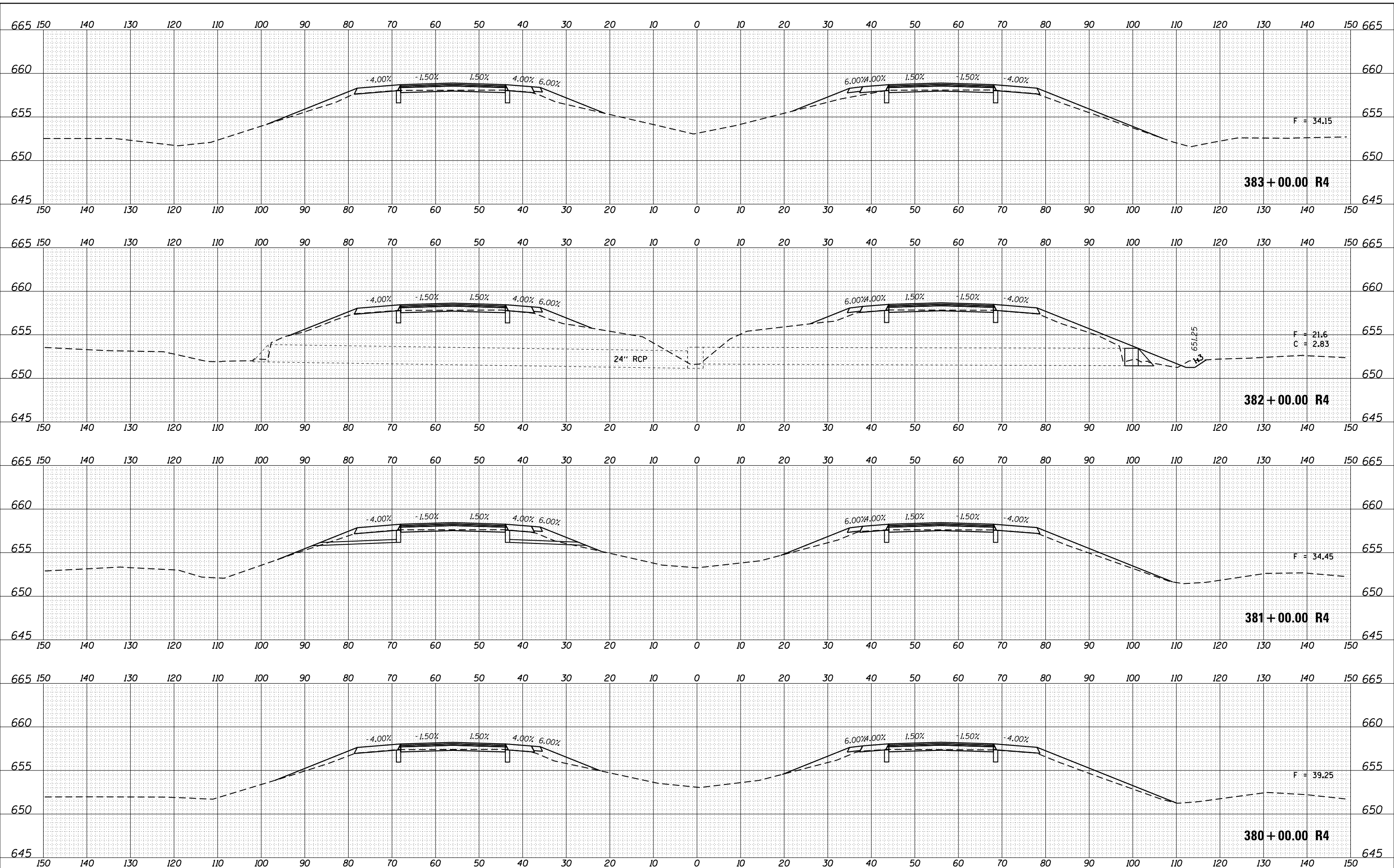
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 377+00.00 R4 TO STA. 379+00.00 R4

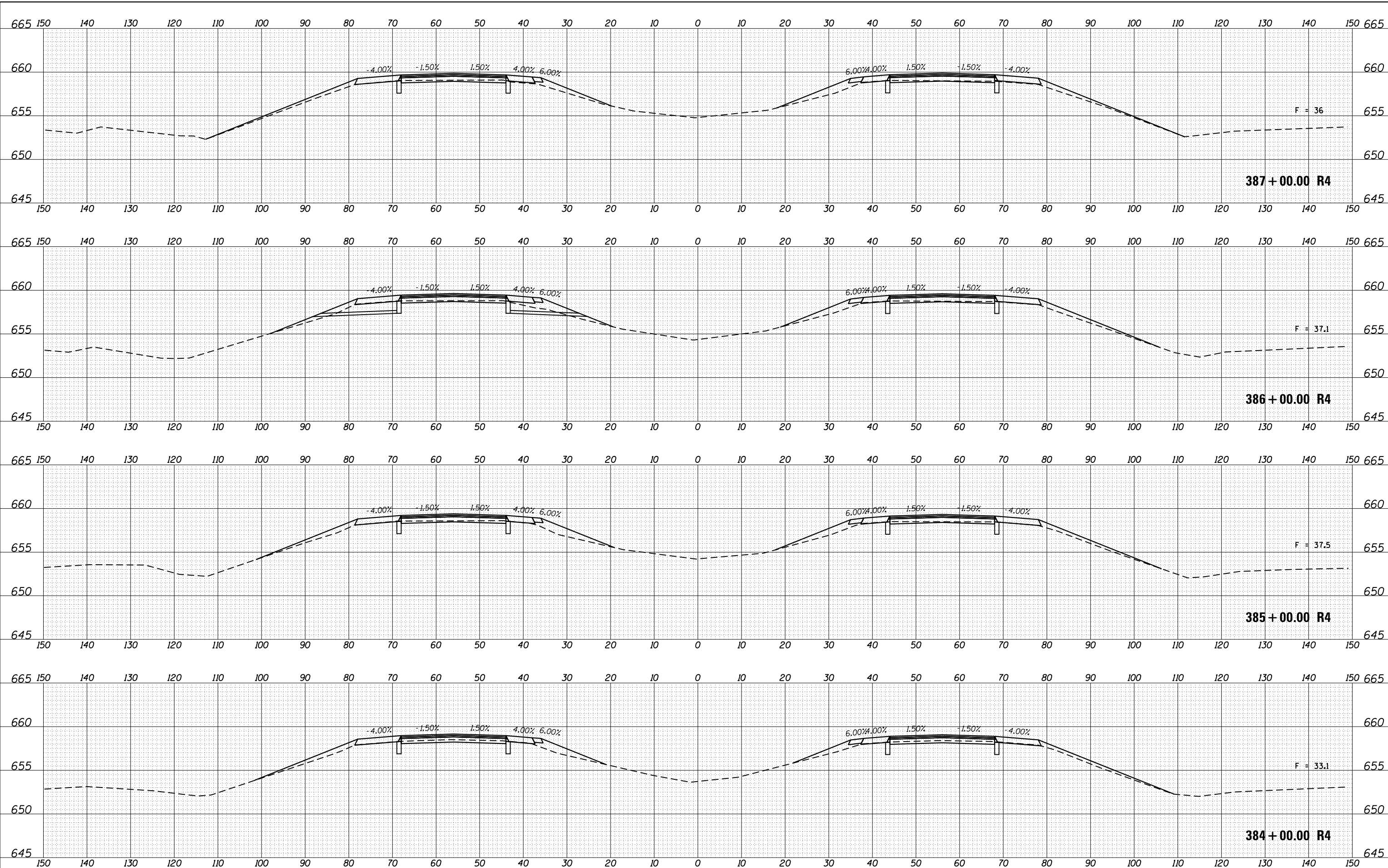
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	166
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	

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FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Third Round	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -			SCALE: SHEET OF SHEETS STA. 380+00.00 R4 TO STA. 383+00.00 R4		CONTRACT NO. 66F23		
	PLOT DATE: 4/6/2017	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

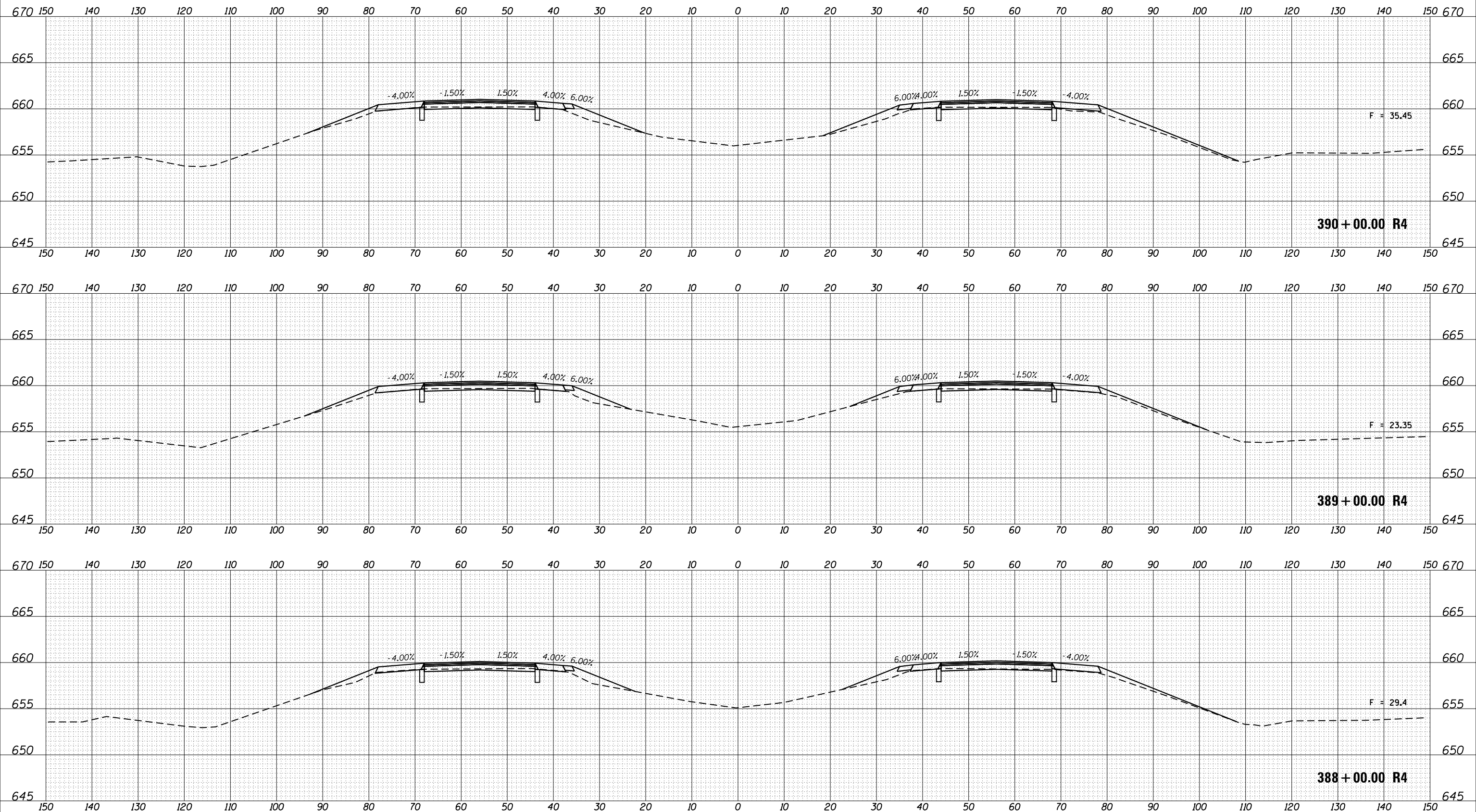


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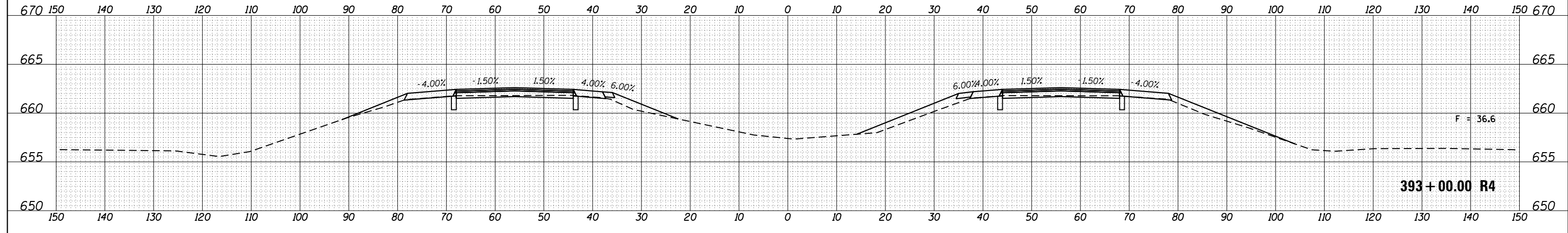


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Third Round	PLOT DATE = 4/6/2017	DATE -	REVISED -

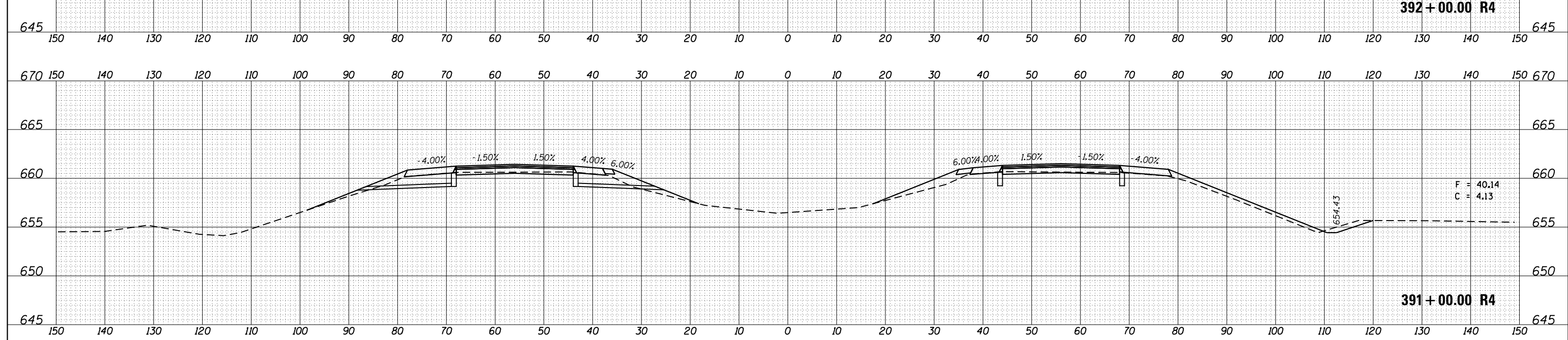
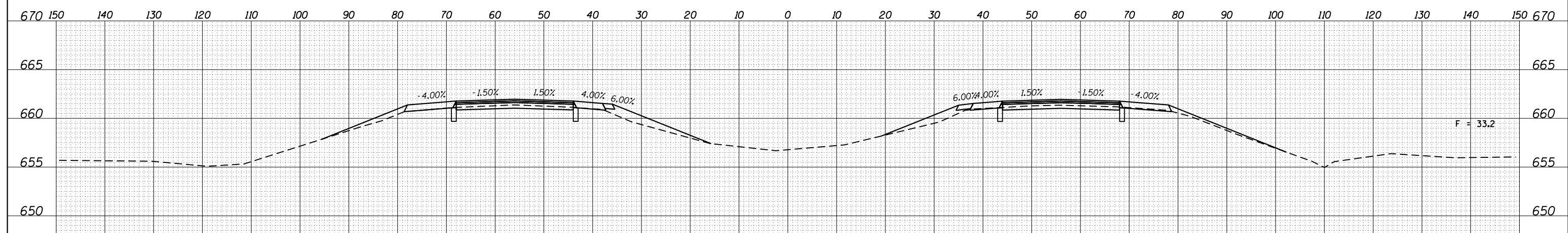
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. 388+00.00 R4 TO STA. 390+00.00 R4		ILLINOIS FED. AID PROJECT	
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
55	(53-4) R&I	LIVINGSTON	242	169	CONTRACT NO. 66F23		

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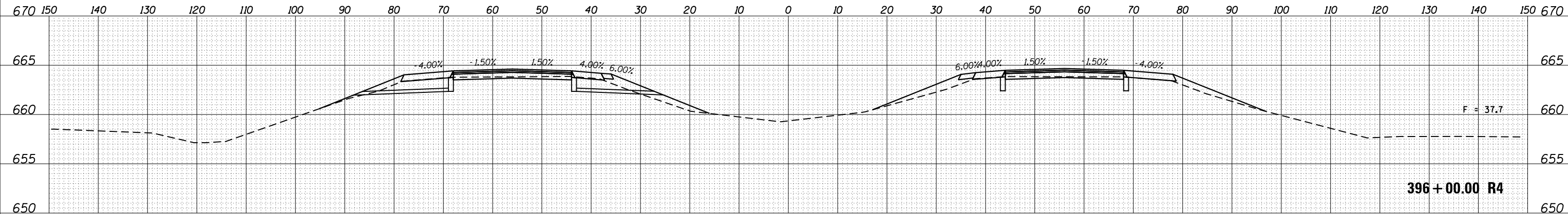
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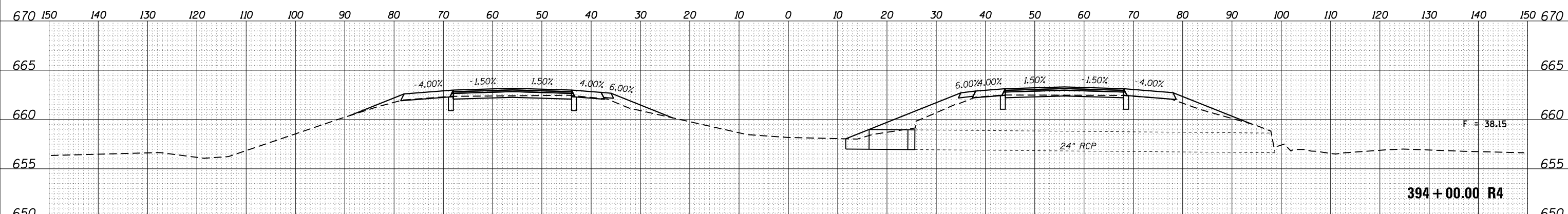
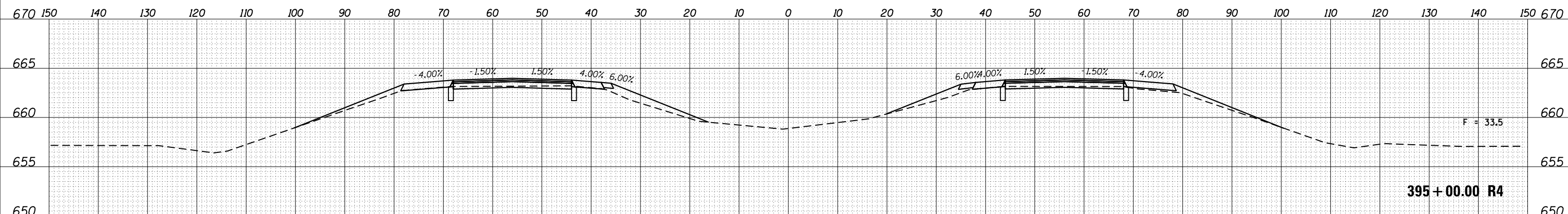
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p:\1\IL084EBIDINTEGillinois.gov\PIDOT\Documents\NIDOT Offices\District 3\Projects\D366F23\CA00DRAWNSheets\D366F23-sht-xssht.dgn	PLotted	CHECKED -	REVISED -			55	(53-4) R&I	LIVINGSTON	242	170
Third Round	PLot SCALE = 20.0000' / in.	DATE -	REVISED -			CONTRACT NO. 66F23		ILLINOIS FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. 391+00.00 R4 TO STA. 393+00.00 R4

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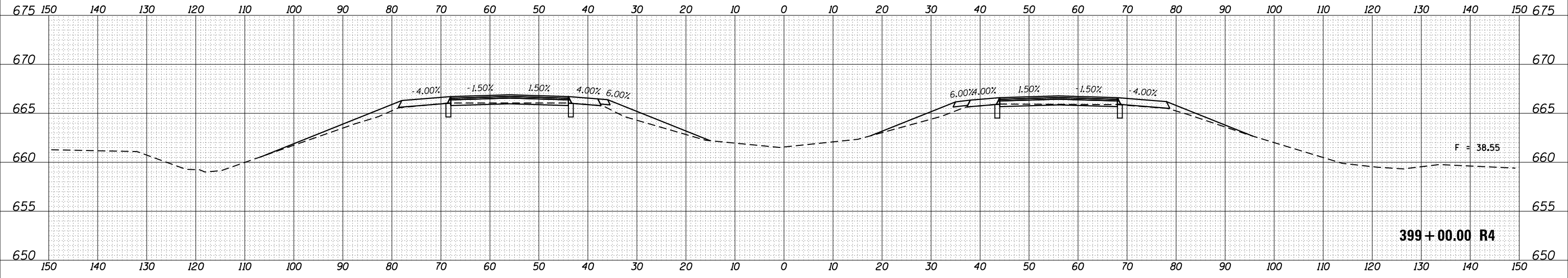


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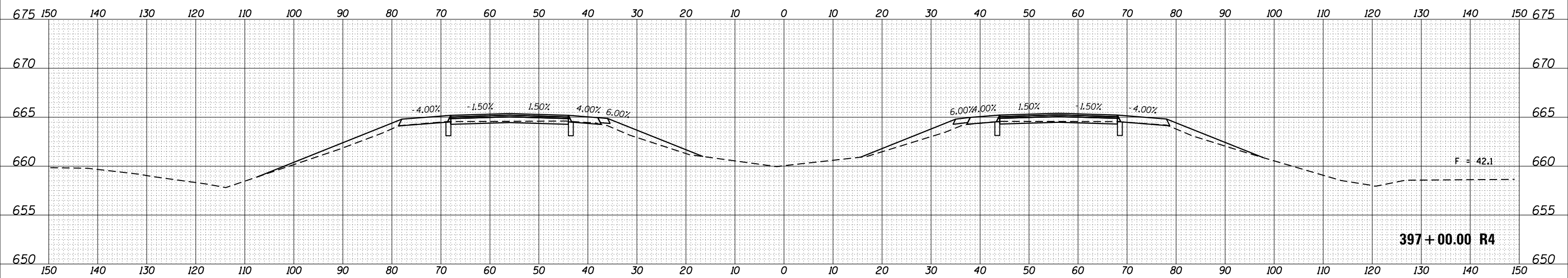
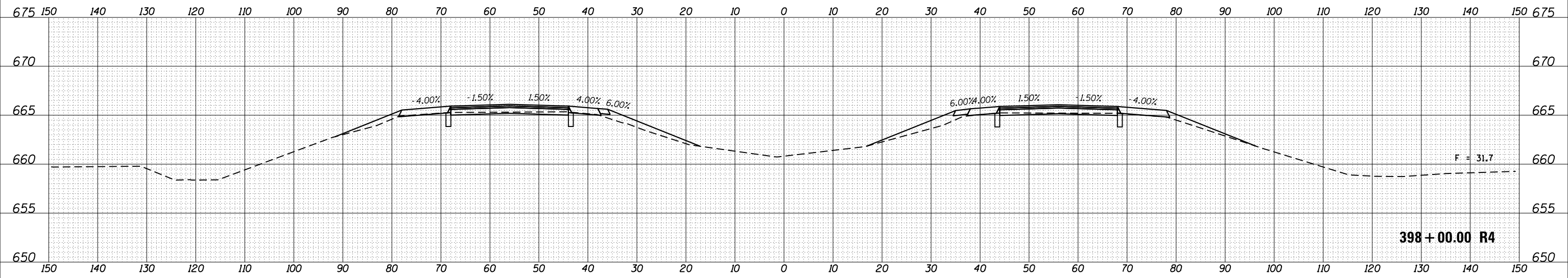


FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\PIDOT Offices\District 3\Projects\D366F23\CADD\DRAWING\Drawings\394+00.00 R4\394+00.00 R4.dgn		CHECKED -	REVISED -		55	(53-4) R&I	LIVINGSTON	242	171			
Third Round	PLOT SCALE = 20.0000' / in.	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. 394+00.00 R4 TO STA. 396+00.00 R4			CONTRACT NO. 66F23				
	PLOT DATE = 4/6/2017				ILLINOIS FED. AID PROJECT							

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



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



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Third Round

USER NAME = duncanbd
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CHECKED -
DATE - 4/6/2017

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REVISIONS -
CHECKED -
DATE -

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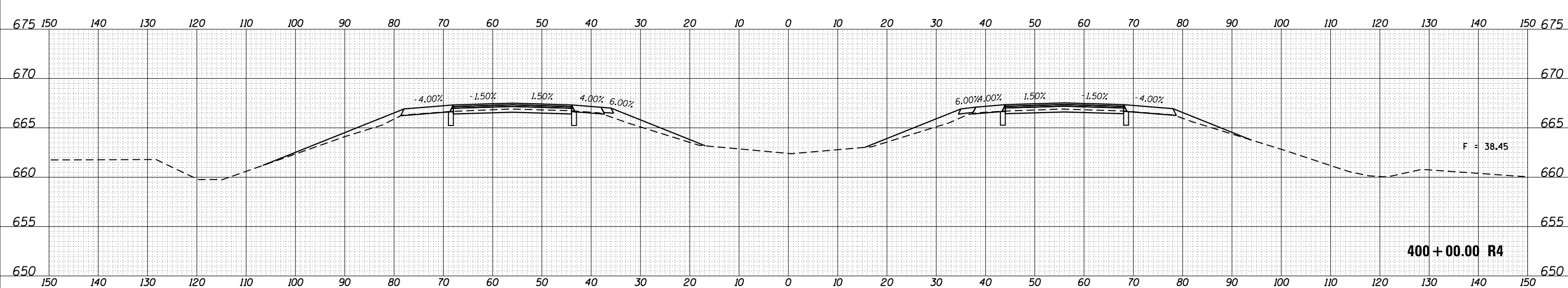
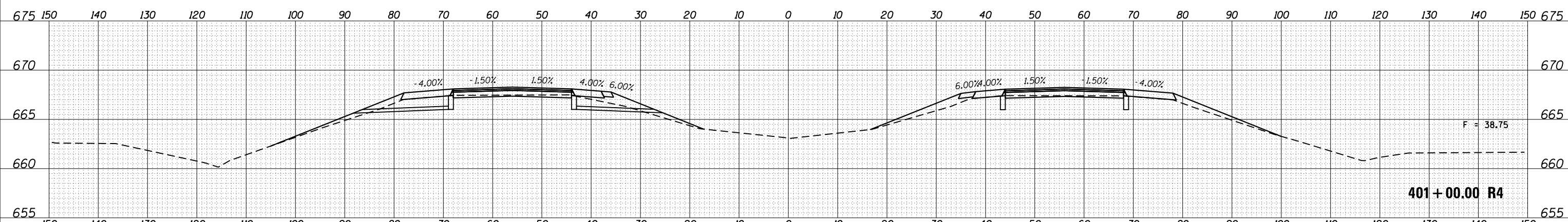
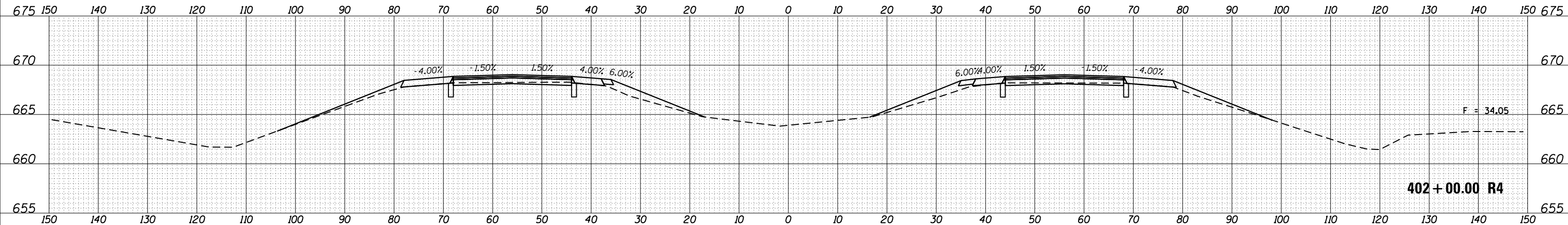
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 397+00.00 R4 TO STA. 399+00.00 R4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				

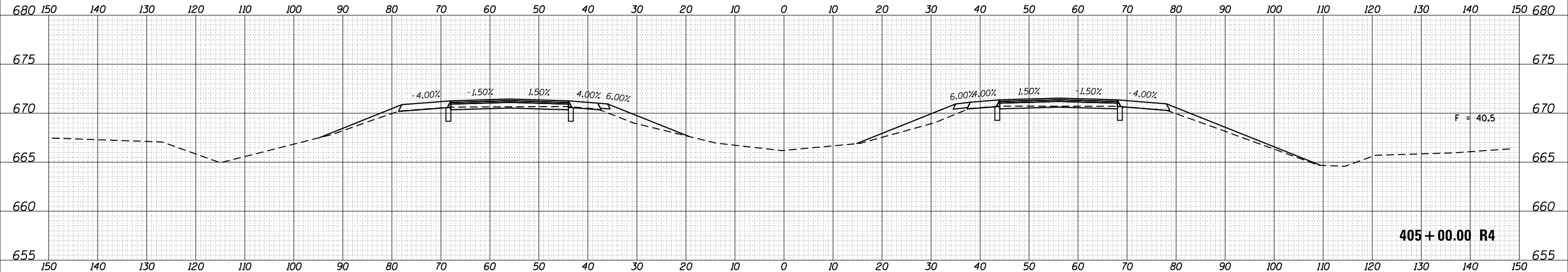
DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



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

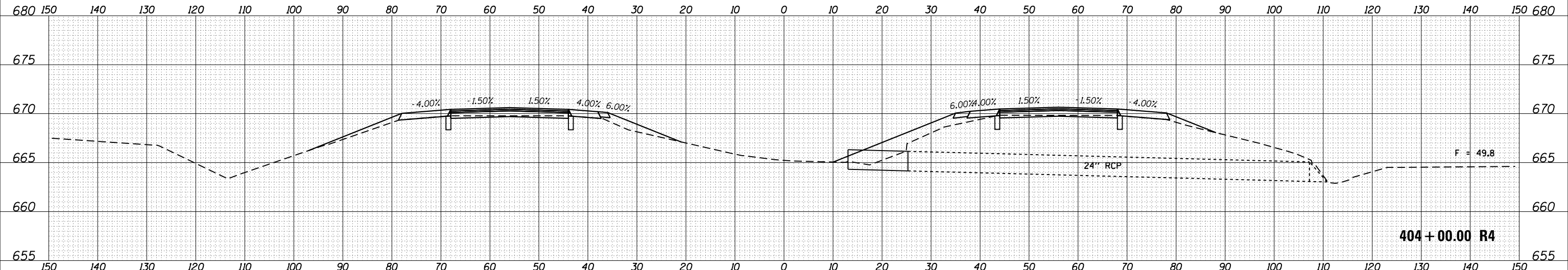
FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: SHEET OF SHEETS STA. 400+00.00 R4 TO STA. 402+00.00 R4	F.A.I. RTE. = 55	SECTION = (53-4) R&I	COUNTY = LIVINGSTON	TOTAL SHEETS = 242	SHEET NO. = 173
Third Round	PLOT DATE = 4/6/2017	CHECKED -	REVISED -			CONTRACT NO. 66F23	ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -							

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
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TEMPLATE	
AREAS CHECKED	



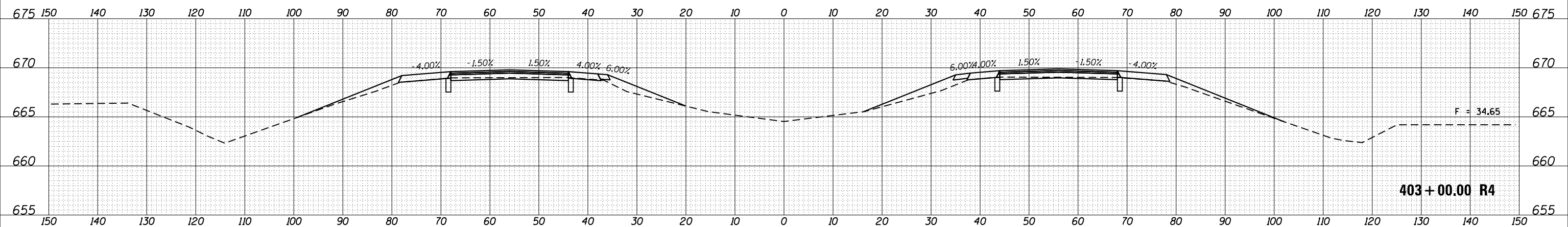
405 + 00.00 R4

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



404 + 00.00 R4

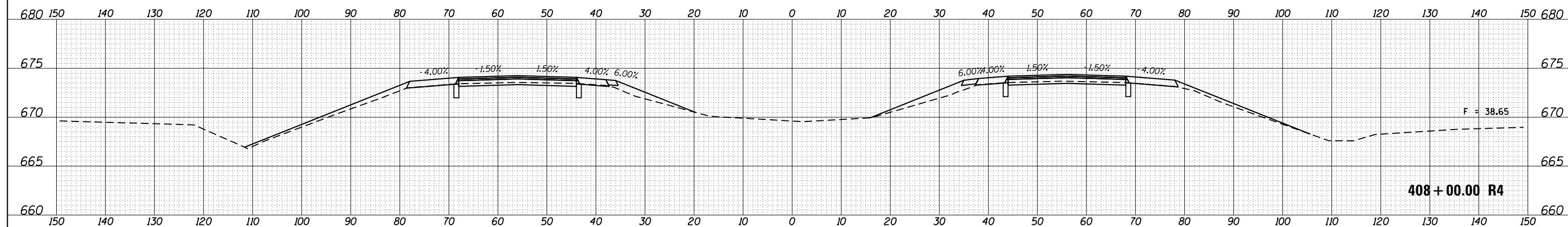
DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



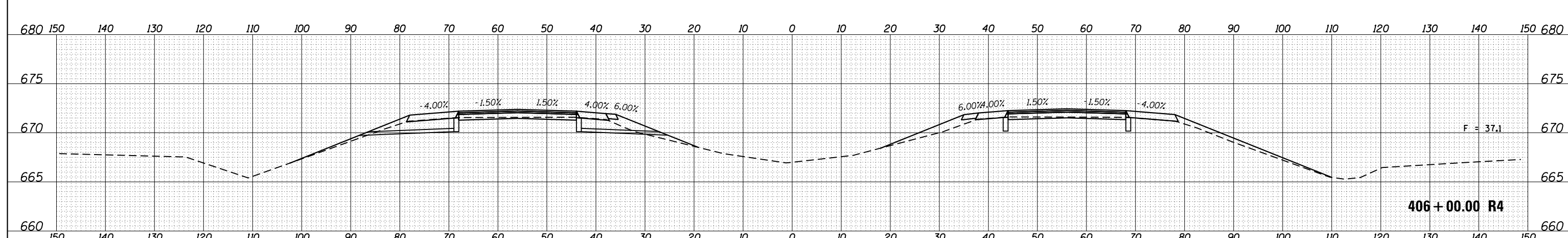
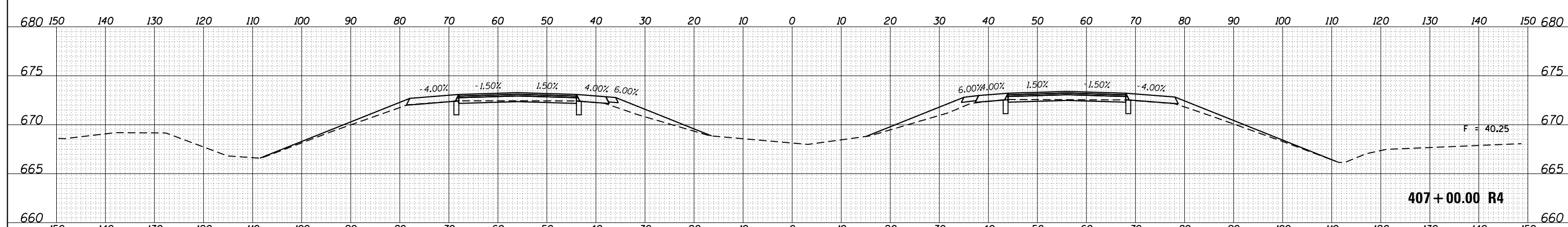
403 + 00.00 R4

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: SHEET OF SHEETS STA. 403+00.00 R4 TO STA. 405+00.00 R4	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Third Round	DOT Offices\District 3\Projects\D366F23\CADD\Drawings\Drawings\403+00.00 R4\403+00.00 R4.dgn	CHECKED -	REVISED -			55	(53-4) R&I	LIVINGSTON	242	174	
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	PLOT DATE = 4/6/2017					ILLINOIS FED. AID PROJECT					

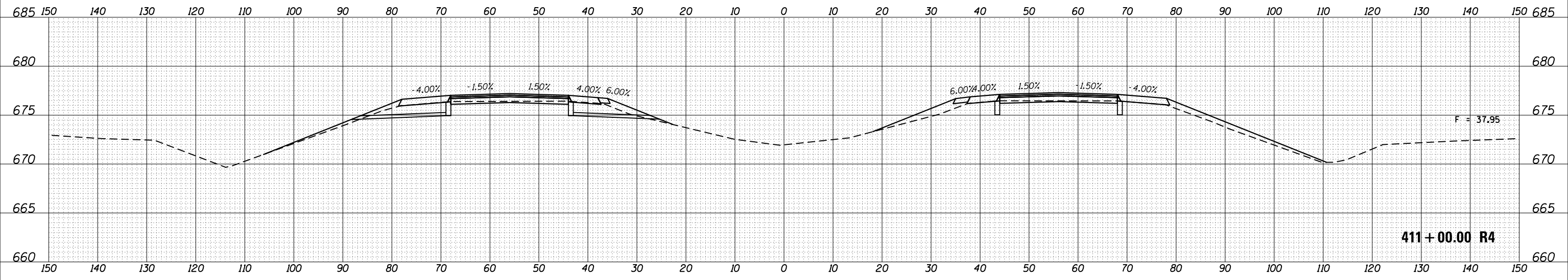
DATE	
BY	
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	



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

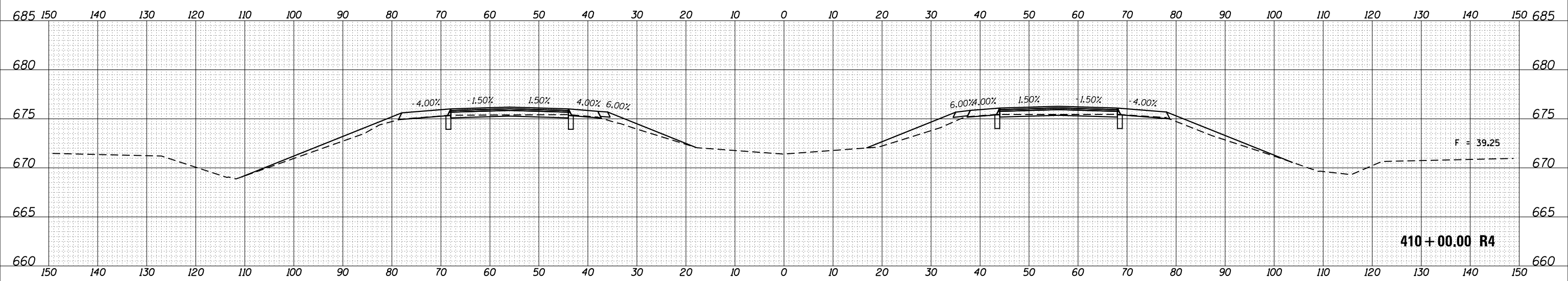


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BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



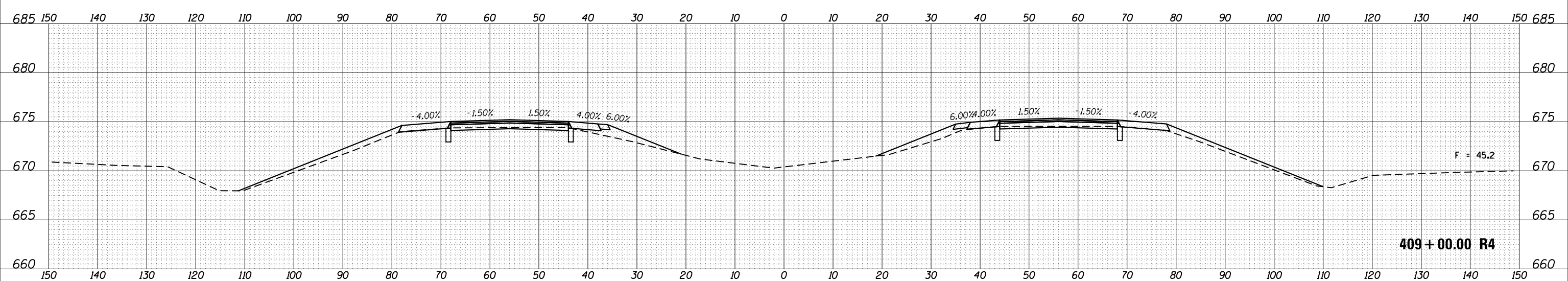
411+00.00 R4

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



410+00.00 R4

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



409+00.00 R4

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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Third Round	PLOT DATE: 4/6/2017	DATE -	REVISED -

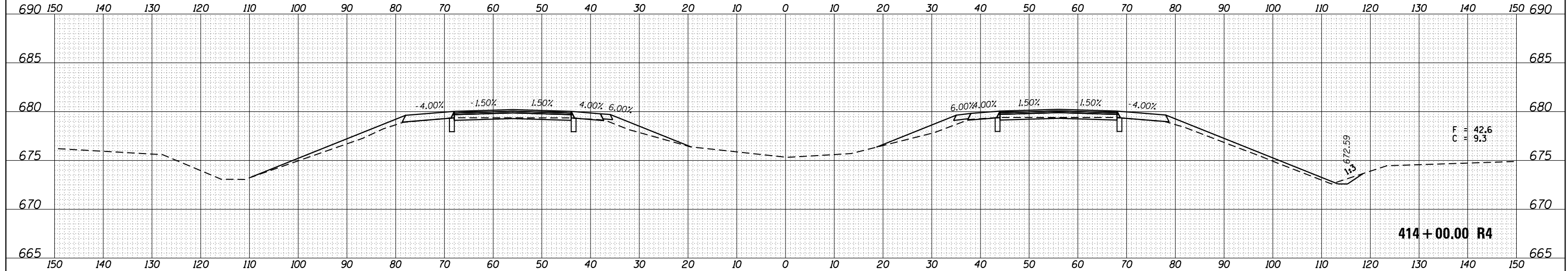
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 409+00.00 R4 TO STA. 411+00.00 R4

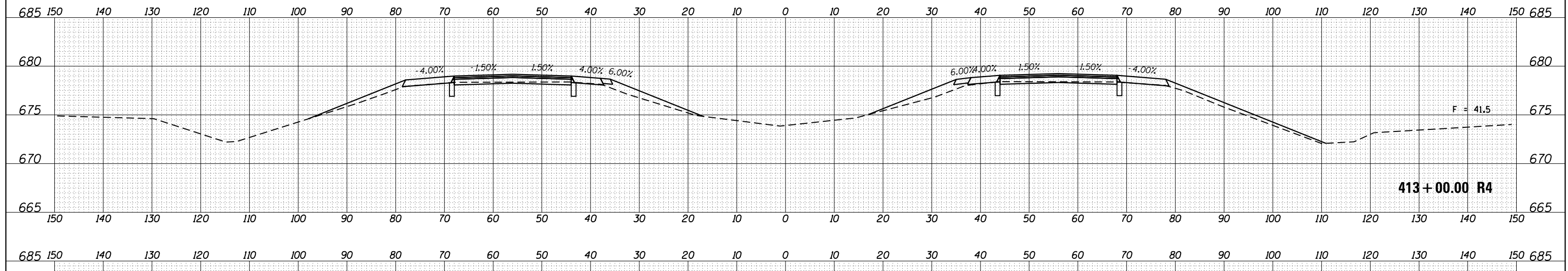
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	176
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				

DATE	BY



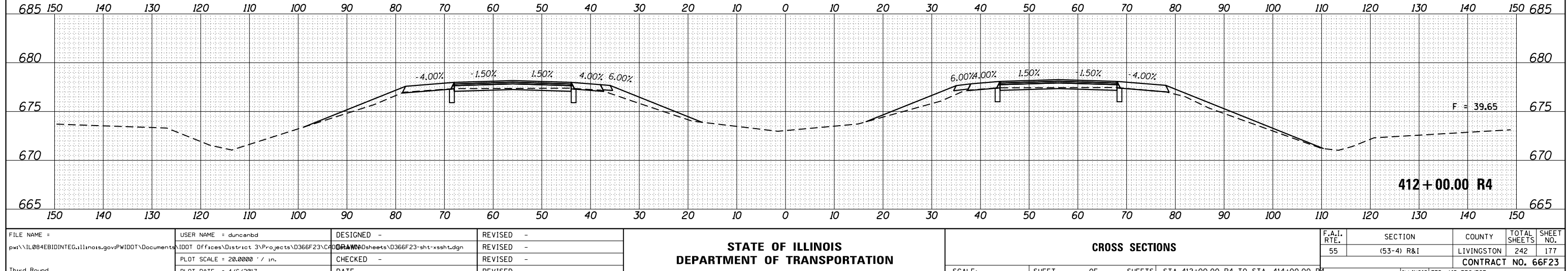
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C = 9.3

DATE	BY



F = 41.5

DATE	BY



F = 39.65

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Third Round

USER NAME = duncanbd
PIDOT Offices\District 3\Projects\D366F23\CAD\DRAWING sheets\D366F23-sht-xssht.dgn
PLOT SCALE = 20.0000' / in.
PLOT DATE = 4/6/2017

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CHECKED -
DATE -

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REVISED -
REVISED -

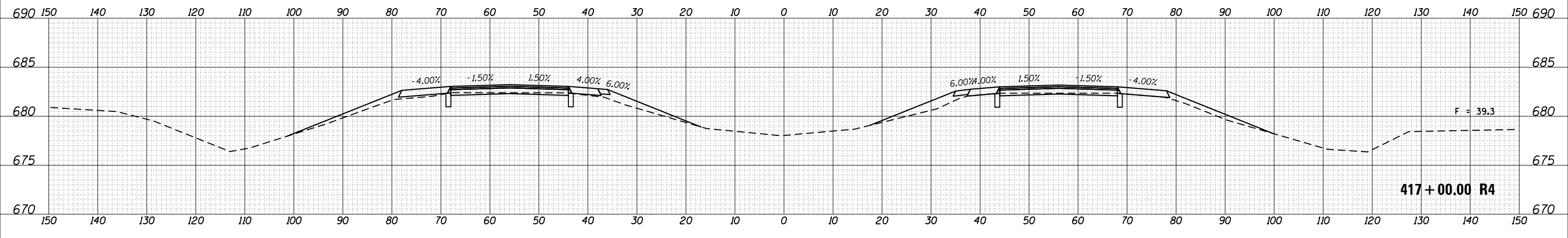
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. 412+00.00 R4 TO STA. 414+00.00 R4

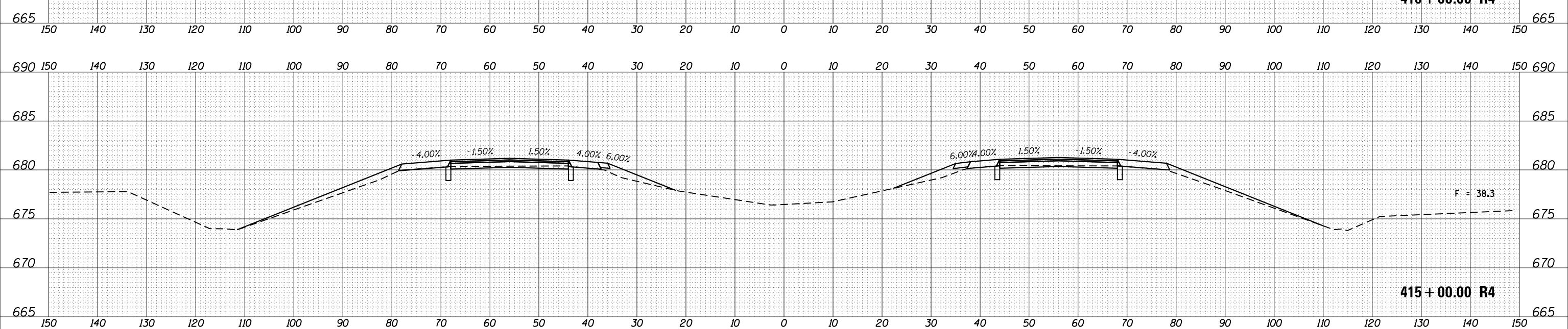
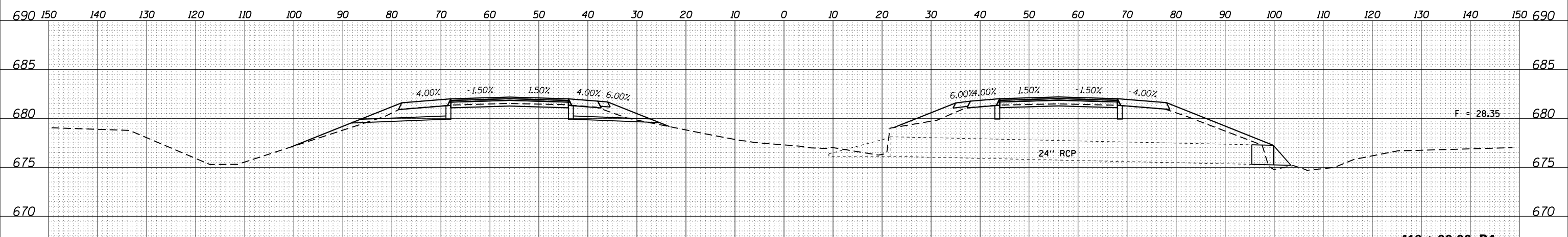
CROSS SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	177
CONTRACT NO. 66F23			ILLINOIS	FED. AID PROJECT

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



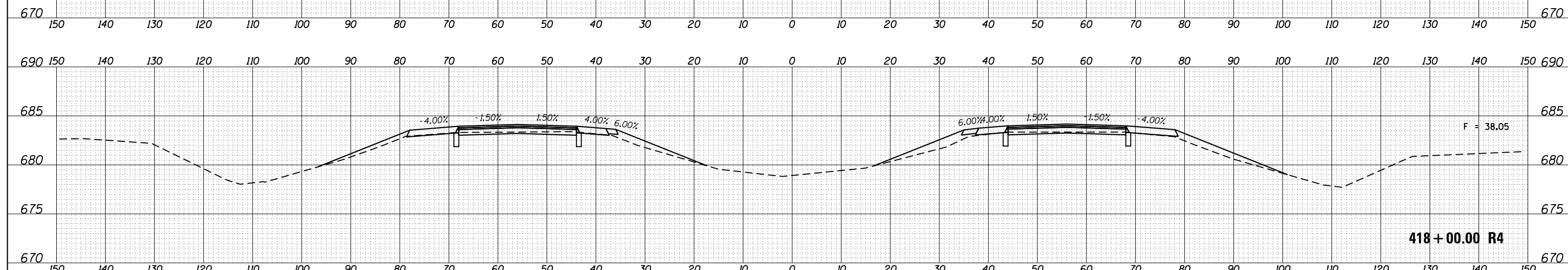
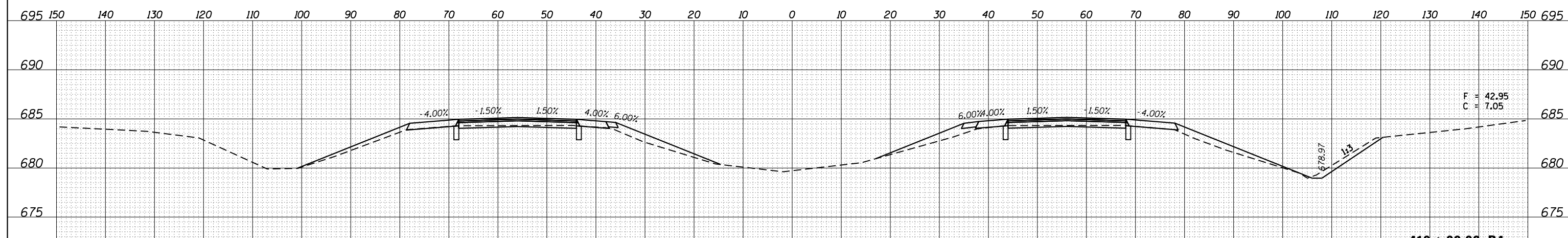
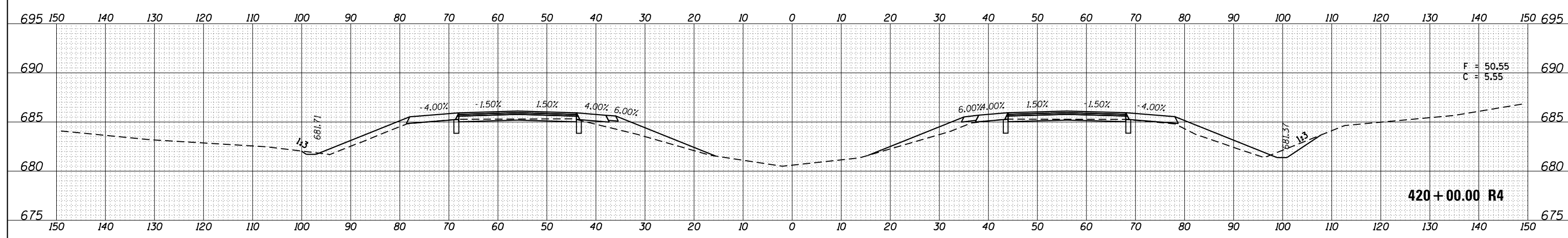
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		CHECKED -	REVISED -
Third Round		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA. 415+00.00 R4 TO STA. 417+00.00 R4	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						55	(53-4) R&I	LIVINGSTON	242	178
						CONTRACT NO. 66F23				
						ILLINOIS FED. AID PROJECT				

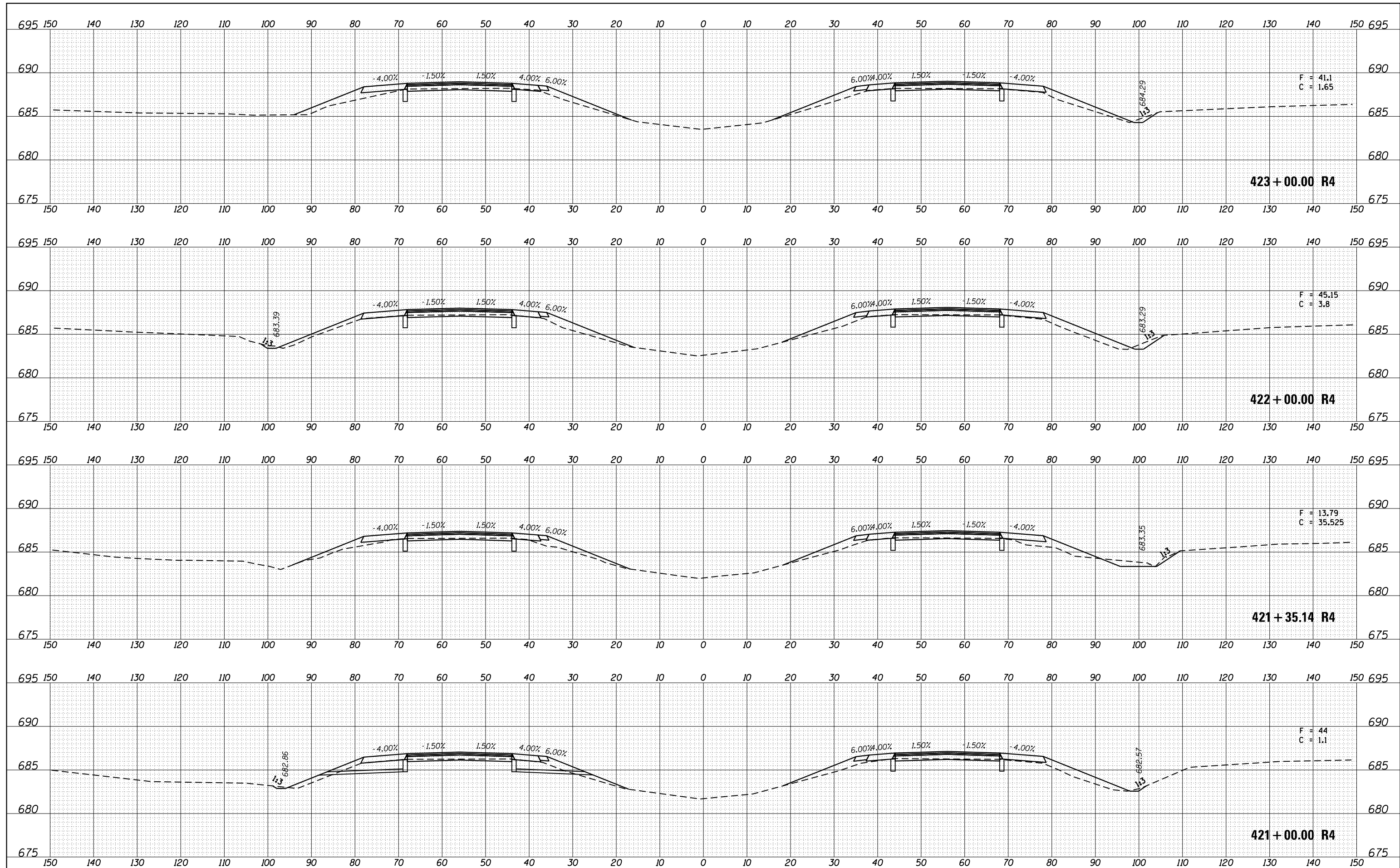
DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
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ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
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NOTE BOOK	
AREAS CHECKED	



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 DATE - ...

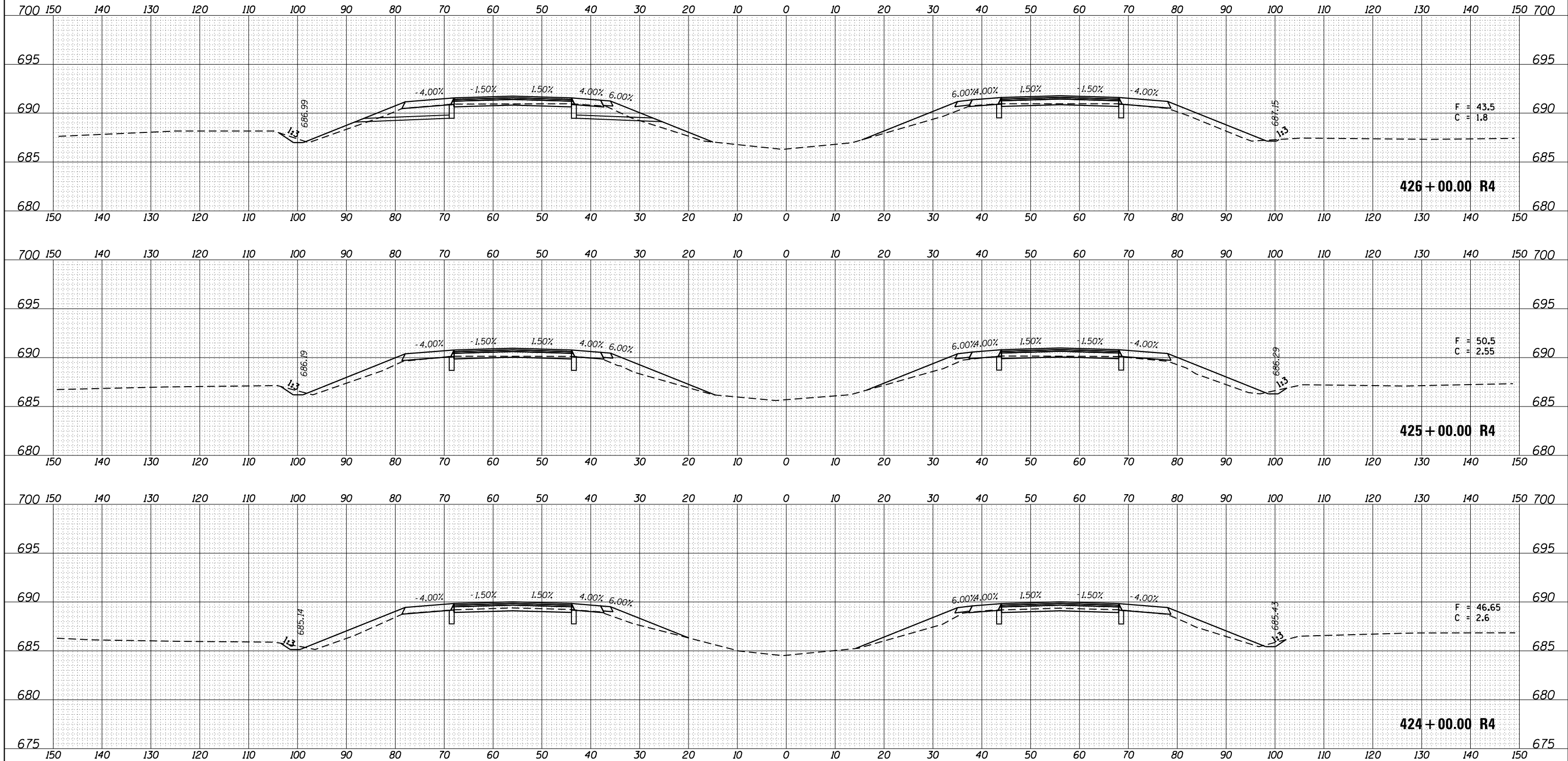
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 SCALE: SHEET OF SHEETS STA. 421+00.00 R4 TO STA. 423+00.00 R4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	180
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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Third Round	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE -	REVISED -

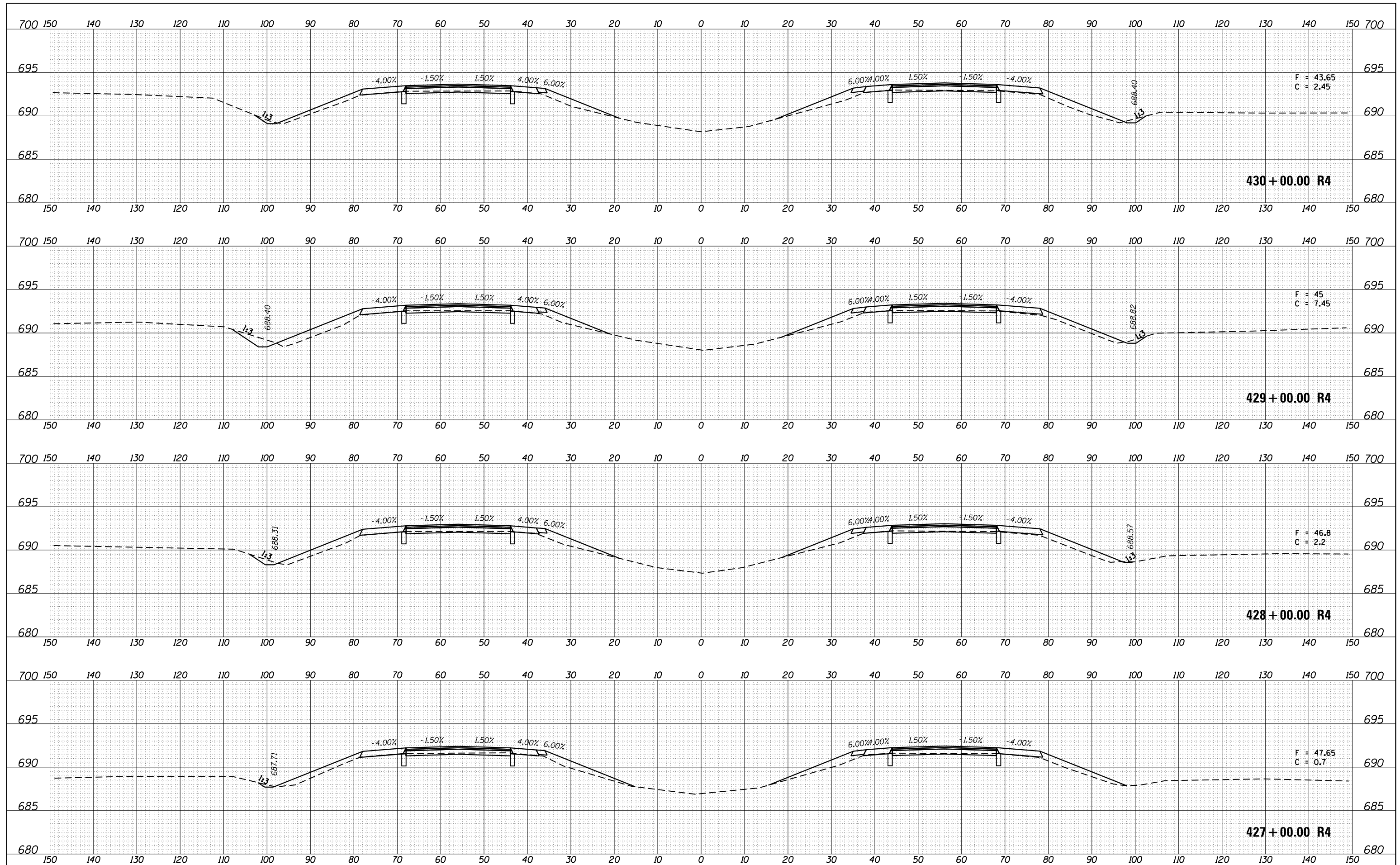
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
SCALE:	SHEET	OF	SHEETS
			STA. 424+00.00 R4 TO STA. 426+00.00 R4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	181
			CONTRACT NO. 66F23	
ILLINOIS FED. AID PROJECT				

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

DATE
BY
ORIGINAL SURVEY
PLOTTED
TEMPLATE
NOTE BOOK
AREAS CHECKED
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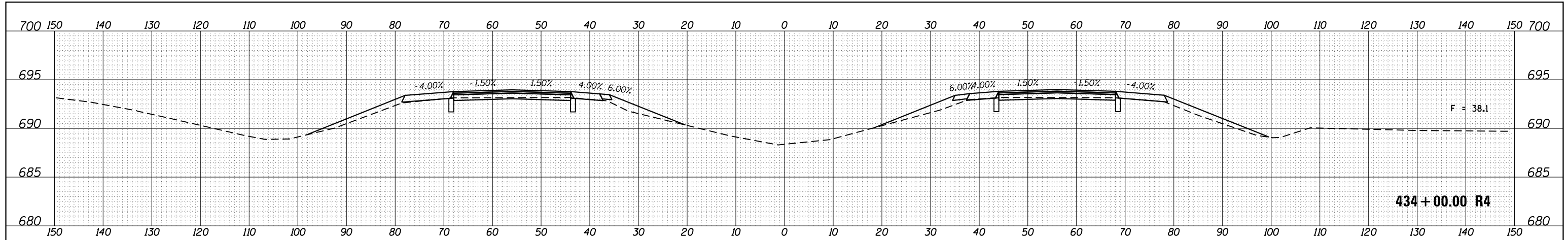
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Plot Scale = 20.0000' / in.	CHECKED -		REVISED -
Third Round	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

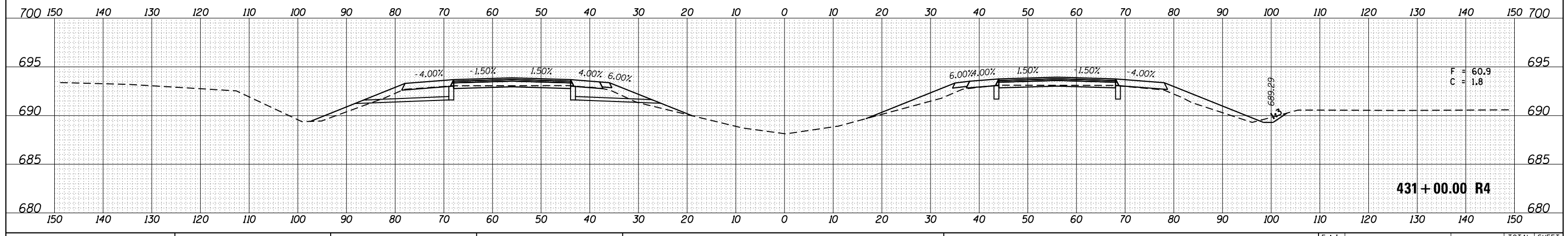
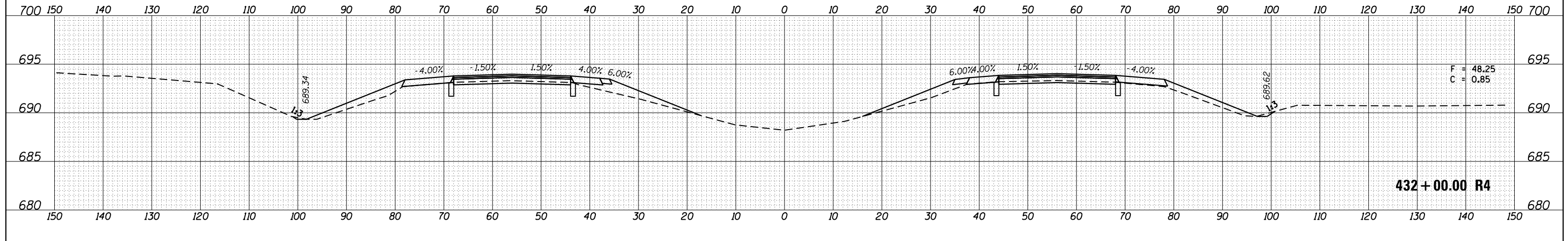
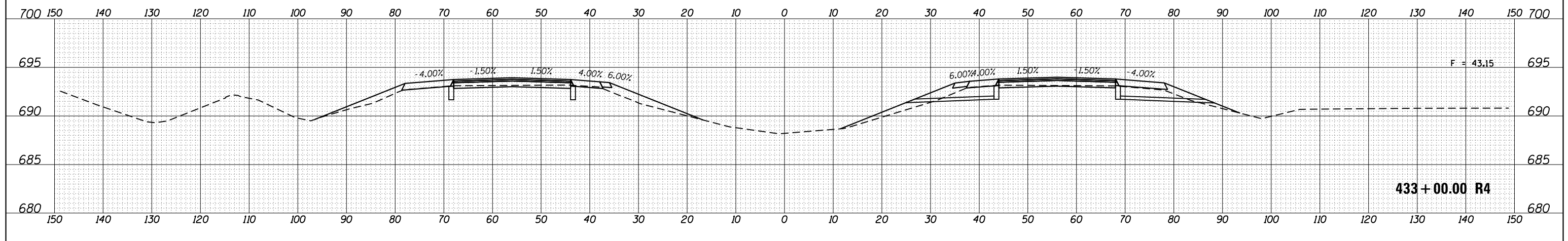
CROSS SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. 427+00.00 R4 TO STA. 430+00.00 R4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	182
				CONTRACT NO. 66F23
ILLINOIS FED. AID PROJECT				

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED



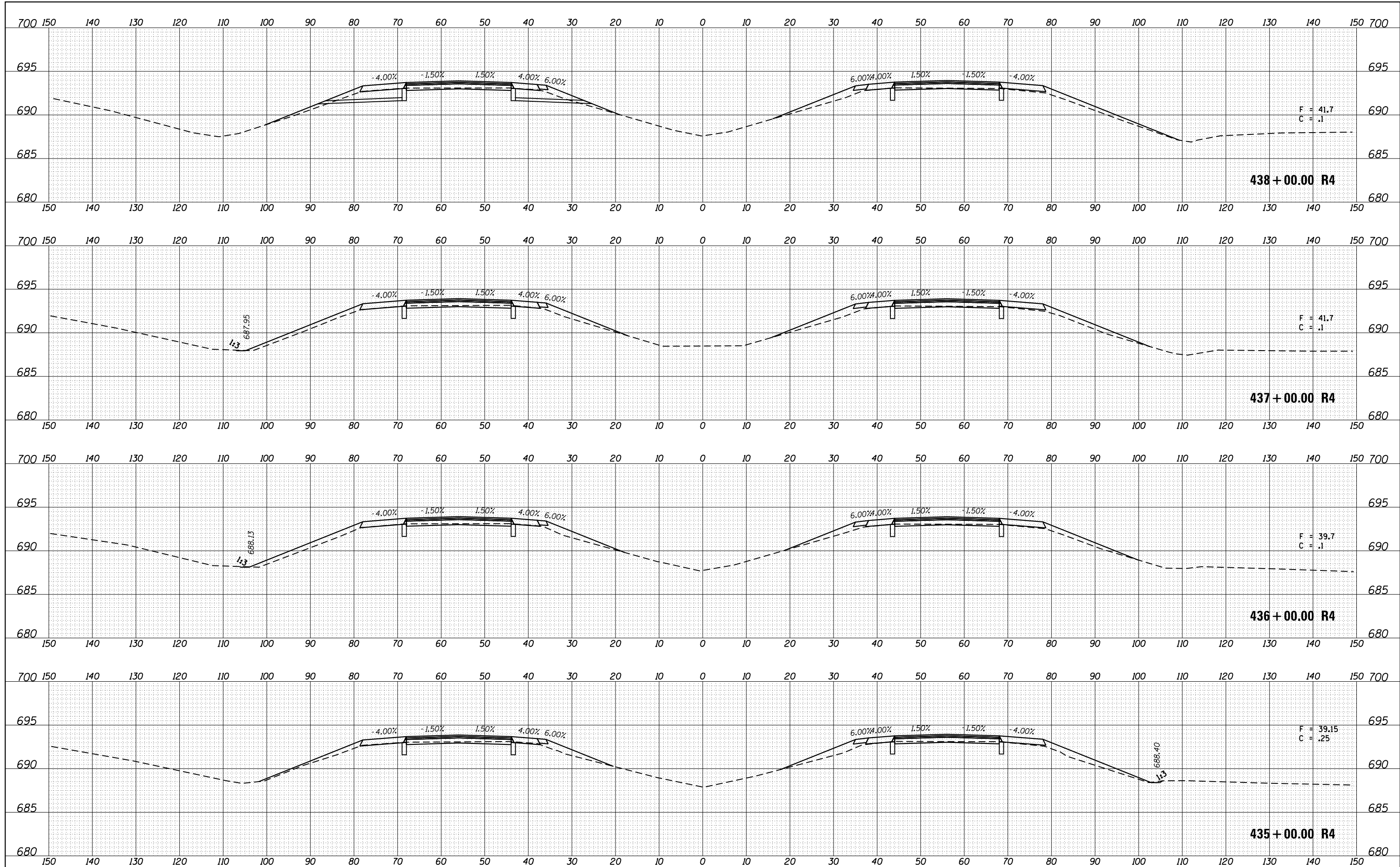
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS				F.A.I.	SECTION	COUNTY	TOTAL	SHEET
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\PIDOT Offices\District 3\Projects\D366F23\CADDRAWN\Drawings\Sheets\13666F23-sht-xssht.dgn		REVISIONS	REVISIONS	DEPARTMENT OF TRANSPORTATION				RTE.	(53-4) R&I	LIVINGSTON	SHEETS	NO.
Third Round	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIONS	SCALE:				55		CONTRACT NO. 66F23	242	183
	PLOT DATE: 4/6/2017	DATE -	REVISIONS	SHEET OF SHEETS STA. 431+00.00 R4 TO STA. 434+00.00 R4				ILLINOIS FED. AID PROJECT				

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DOT Offices\District 3\Projects\D366F23\CADD

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

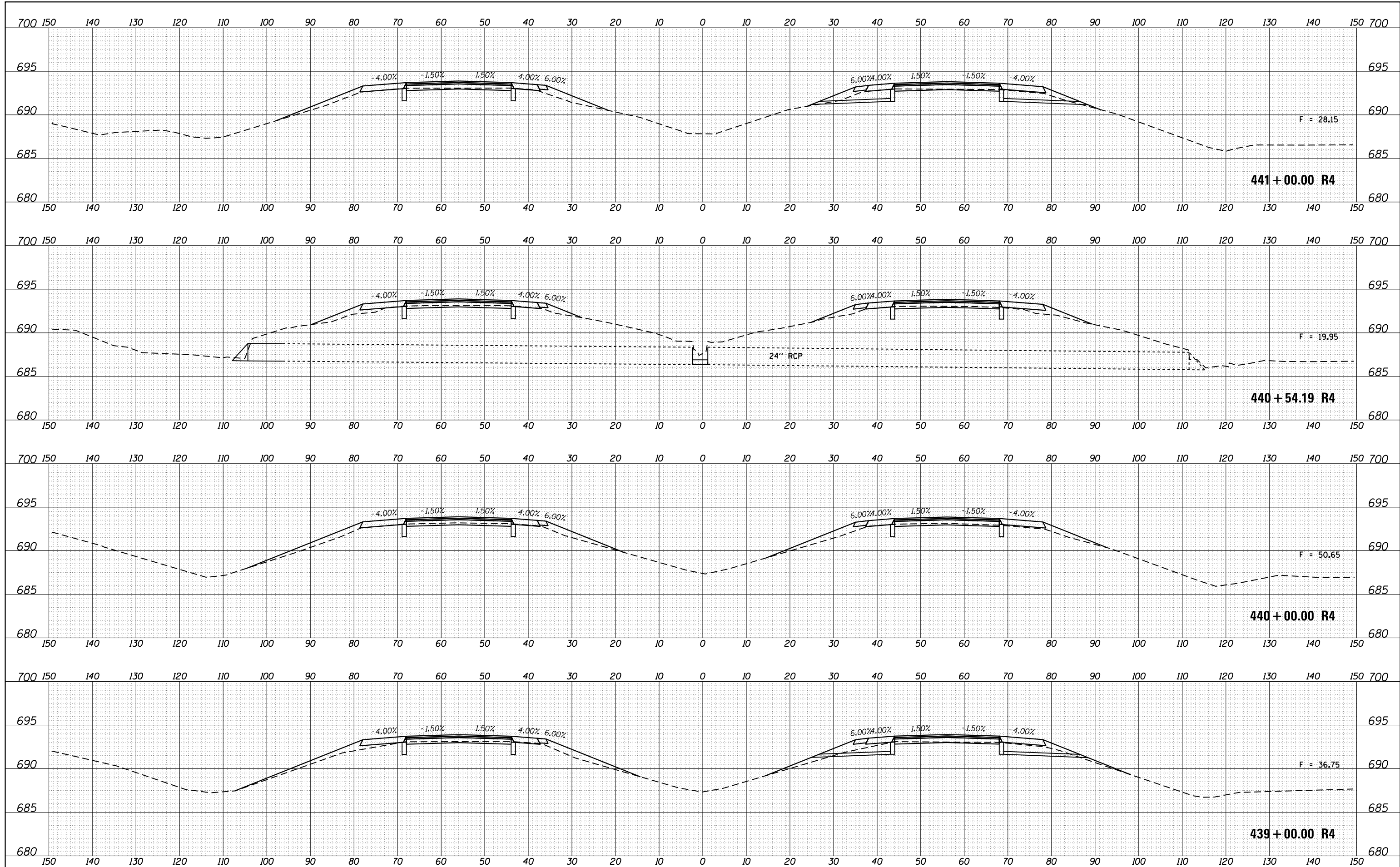
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	184
CONTRACT NO. 66F23				

SCALE: SHEET OF SHEETS STA. 435+00.00 R4 TO STA. 438+00.00 R4

ILLINOIS FED. AID PROJECT

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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BY	DATE
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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Third Round	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE -	REVISED -

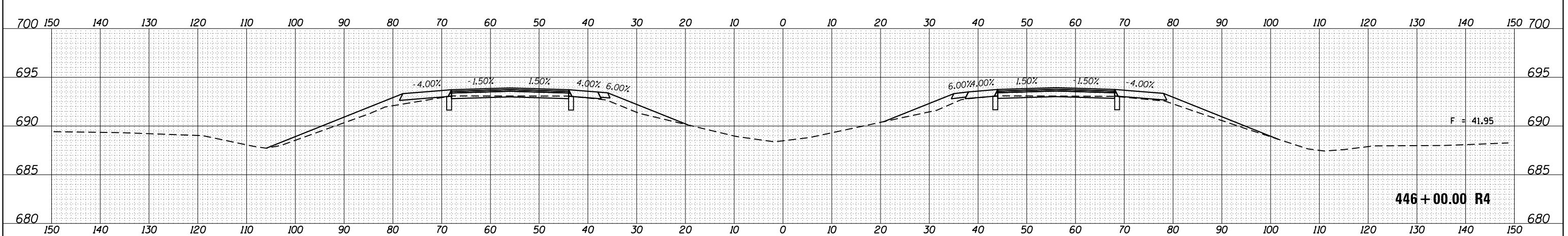
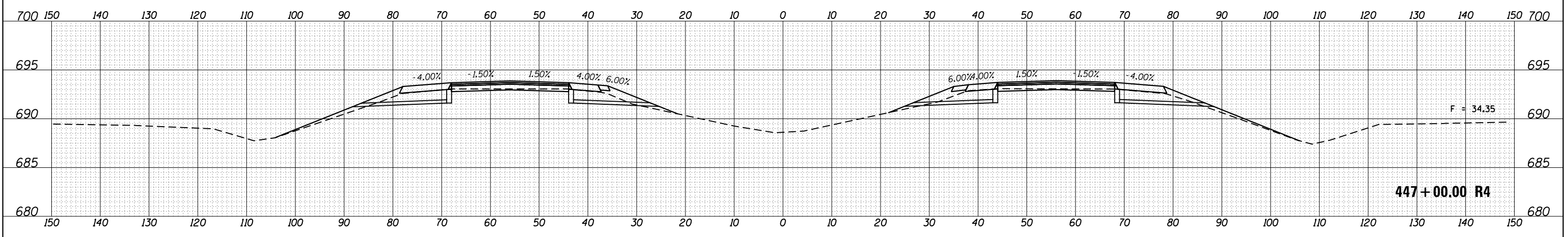
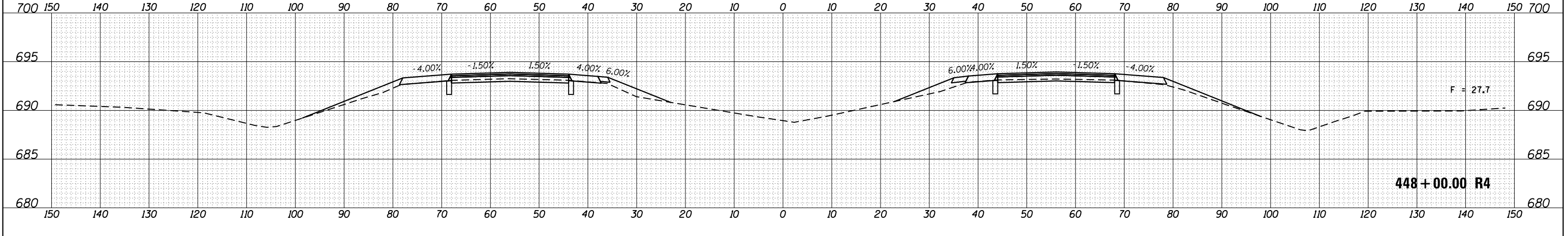
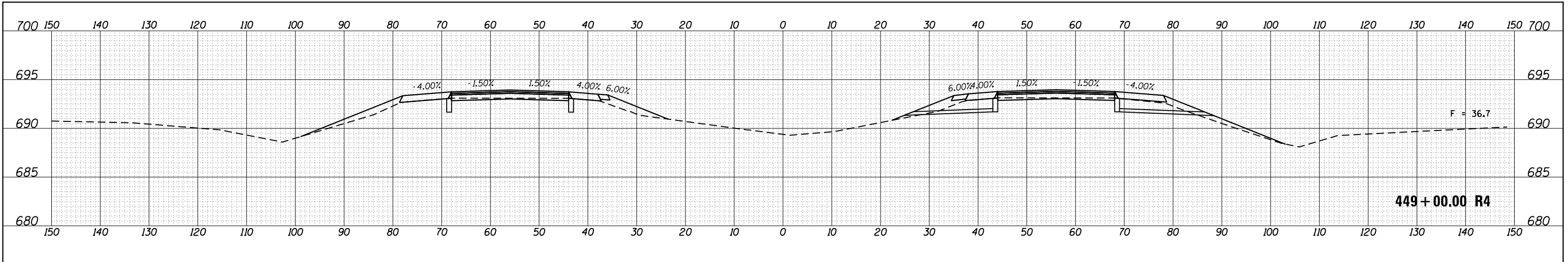
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	185
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	

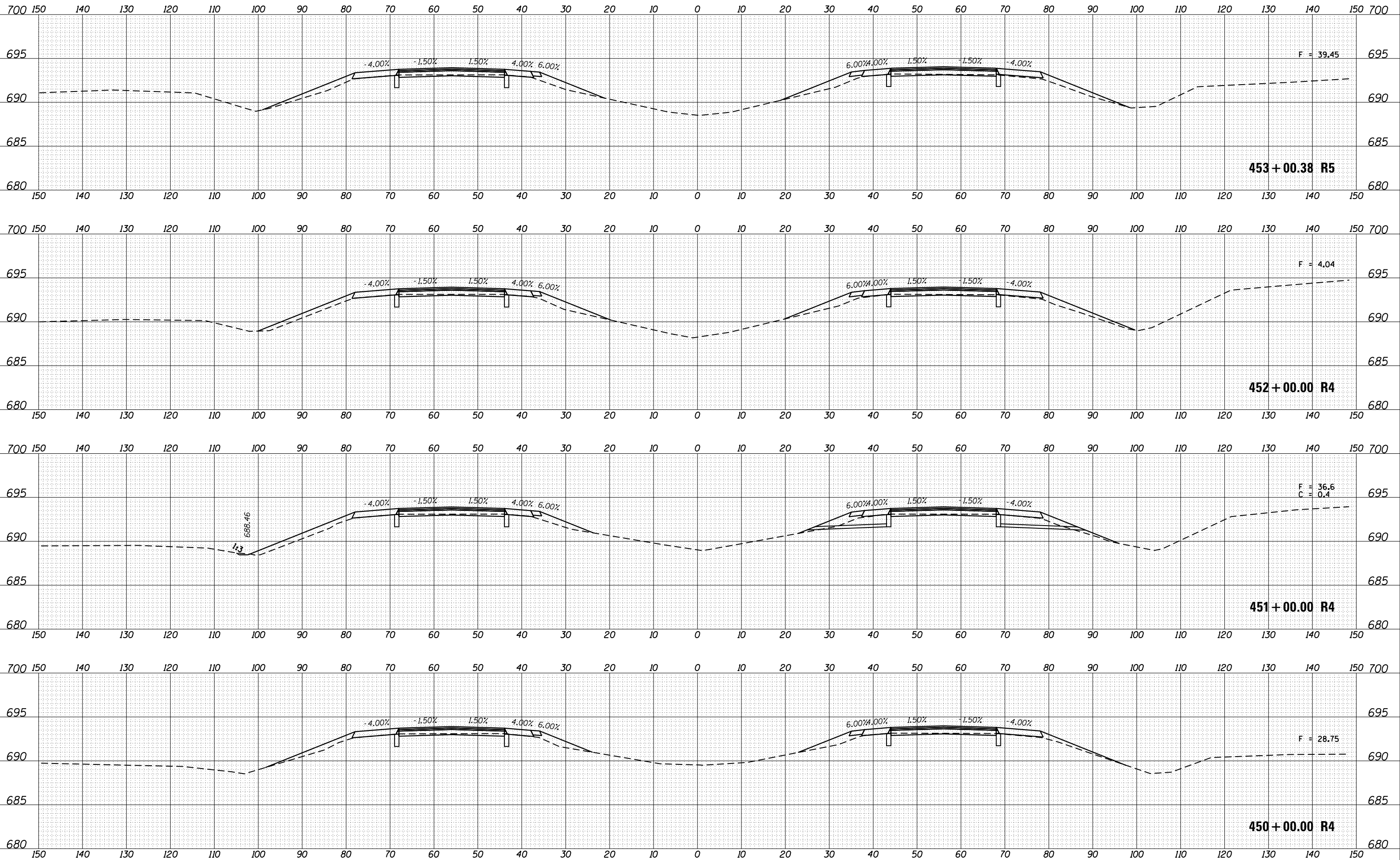
SCALE: SHEET OF SHEETS STA. 439+00.00 R4 TO STA. 441+00.00 R4

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FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
NOTE BOOK NO.				



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

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISOR	REVISOR			CONTRACT NO. 66F23				
Third Round	DATE -	REVISOR	REVISOR			ILLINOIS FED. AID PROJECT				

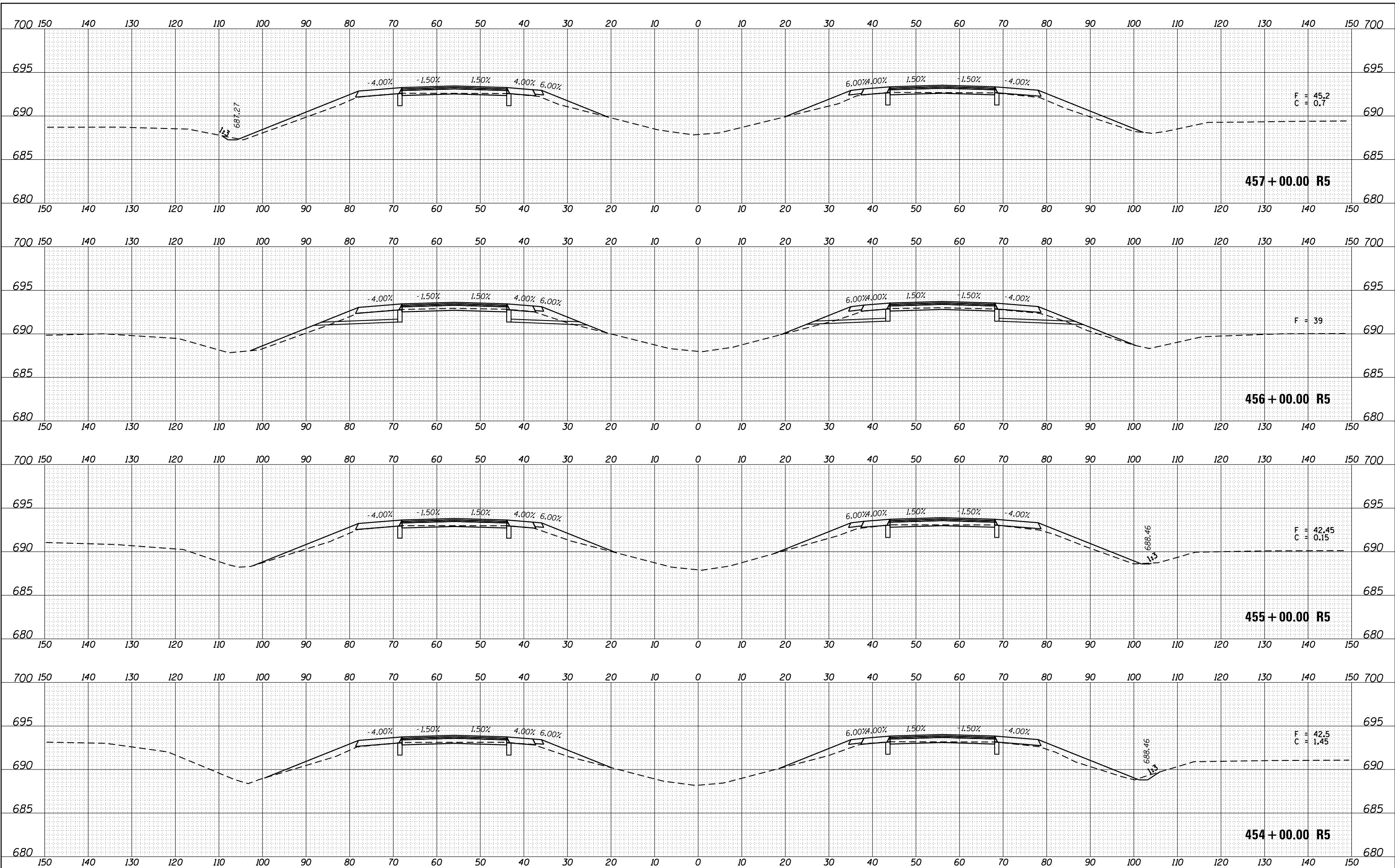


BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

BY	DATE
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TEMPLATE	
AREAS CHECKED	
NO.	



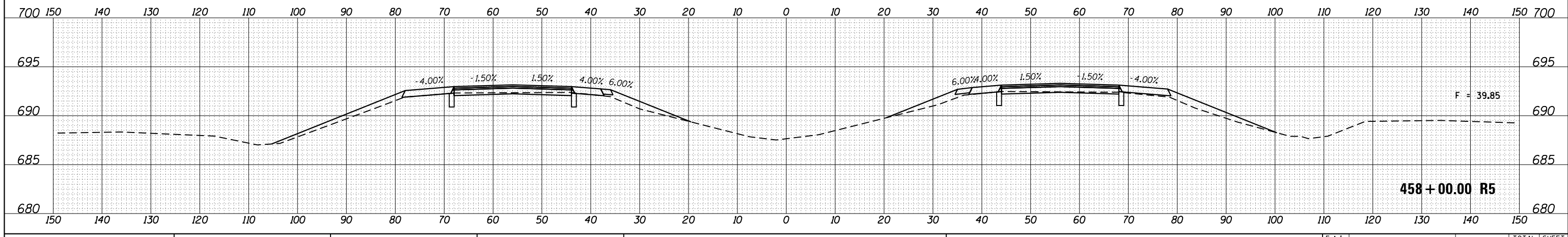
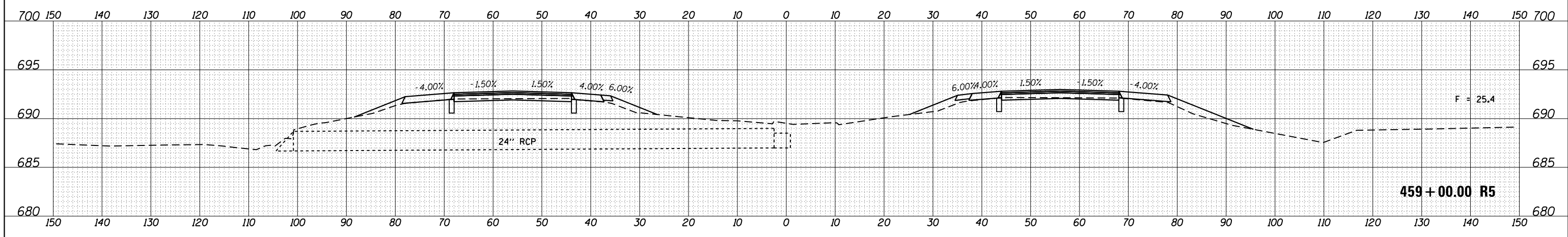
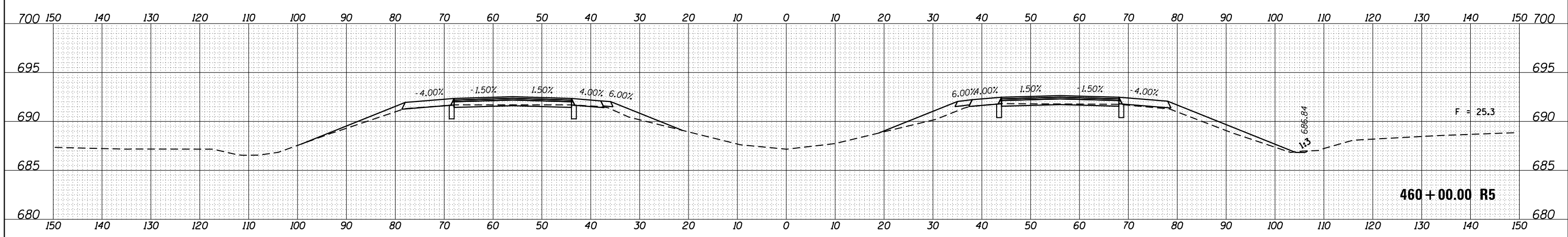
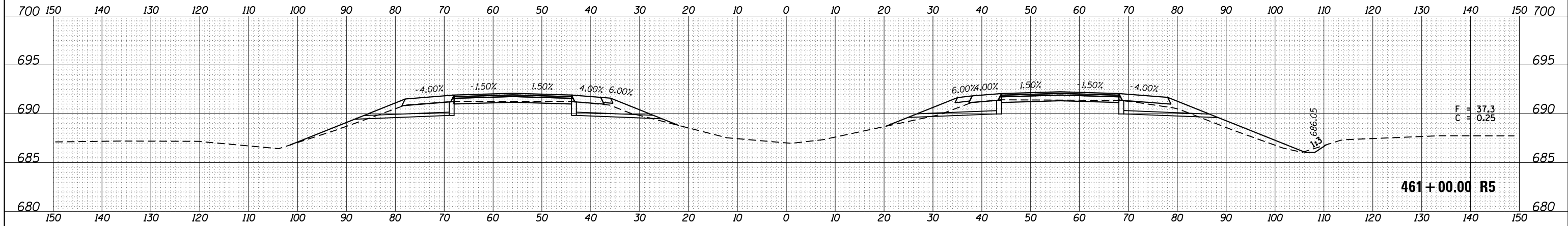
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Third Round	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/6/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	189
		CONTRACT NO. 66F23		
SCALE:	SHEET	OF	SHEETS	STA. 454+00.00 R5 TO STA. 457+00.00 R5
				ILLINOIS FED. AID PROJECT

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

BY	DATE
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



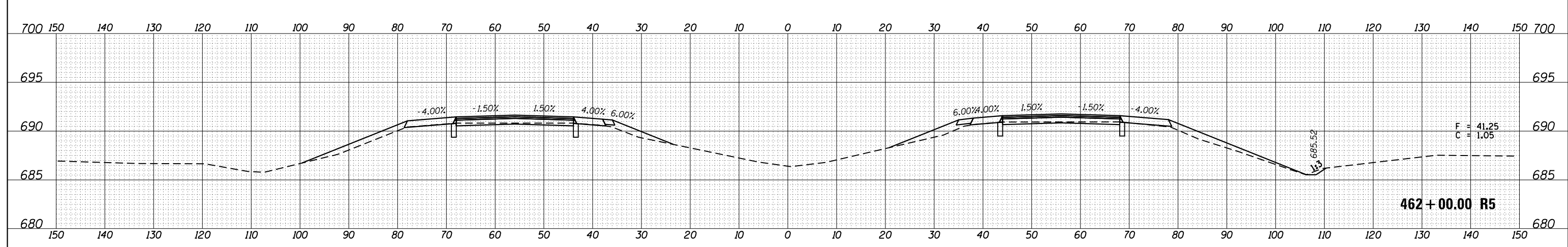
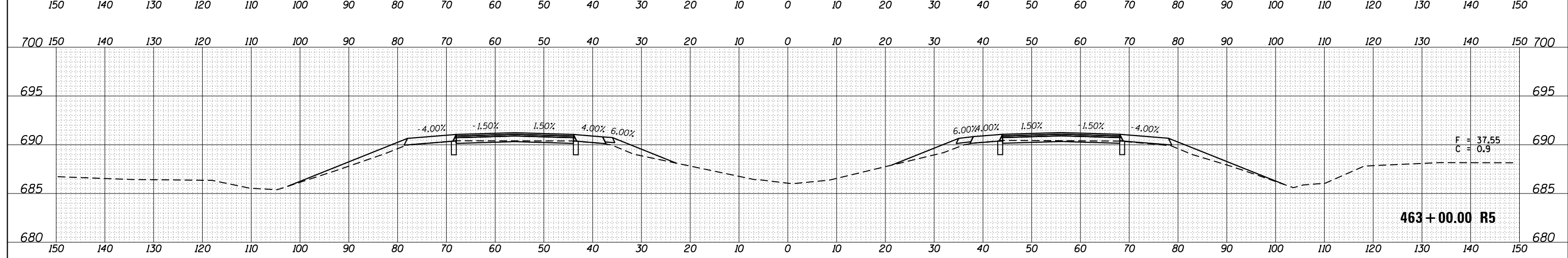
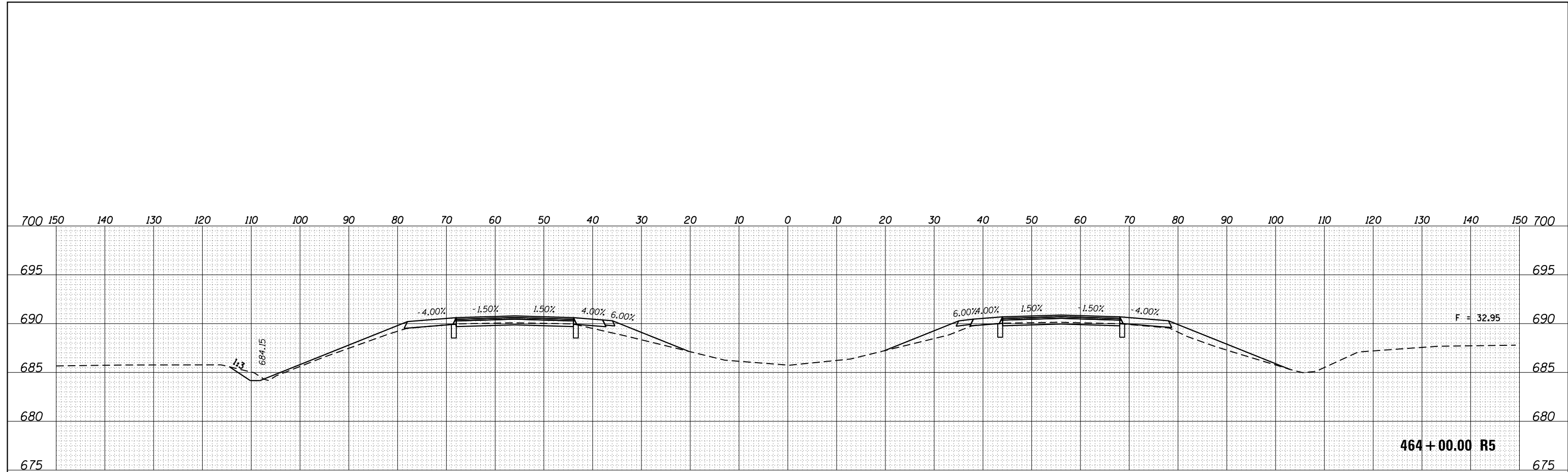
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Third Round	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -				CONTRACT NO. 66F23		ILLINOIS	FED. AID PROJECT	
	PLOT DATE: 4/6/2017	DATE -	REVISED -				SCALE:	SHEET	OF SHEETS	STA. 458+00.00 R5 TO STA. 461+00.00 R5	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

BY	DATE

BY	DATE



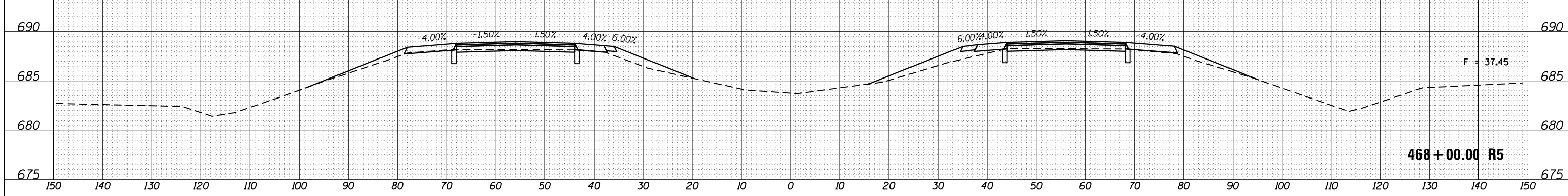
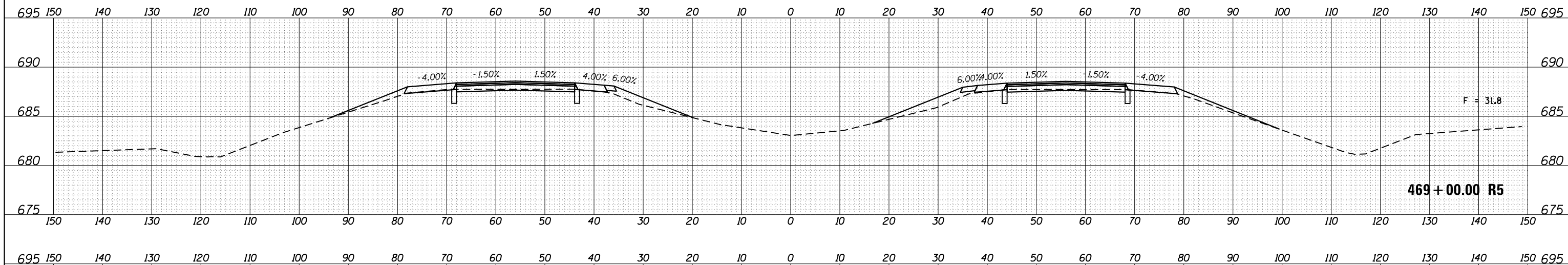
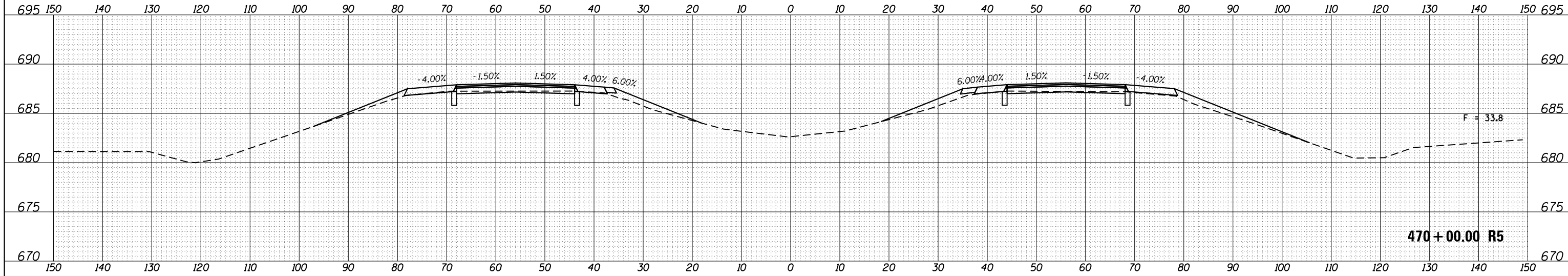
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -	REVISED -
Third Round	DATE -		
	4/6/2017		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

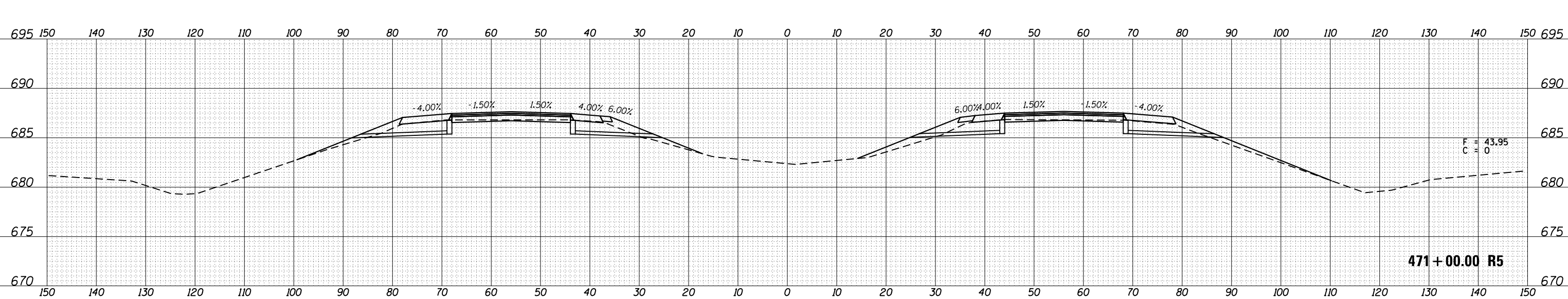
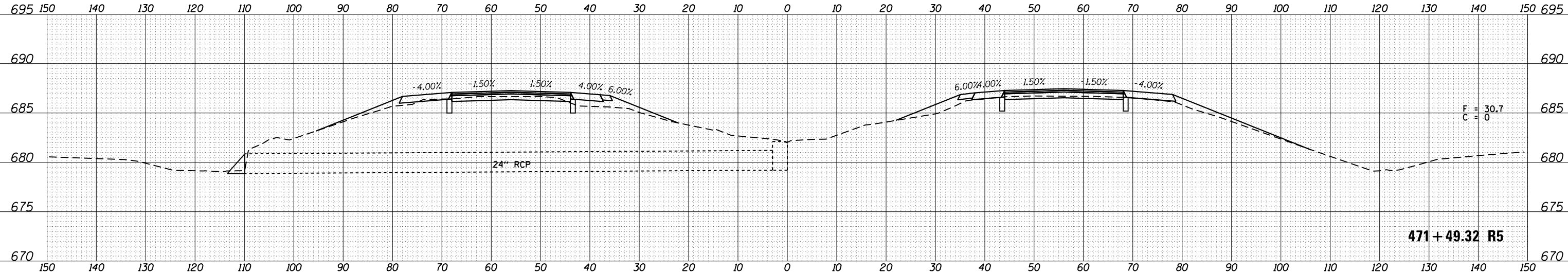
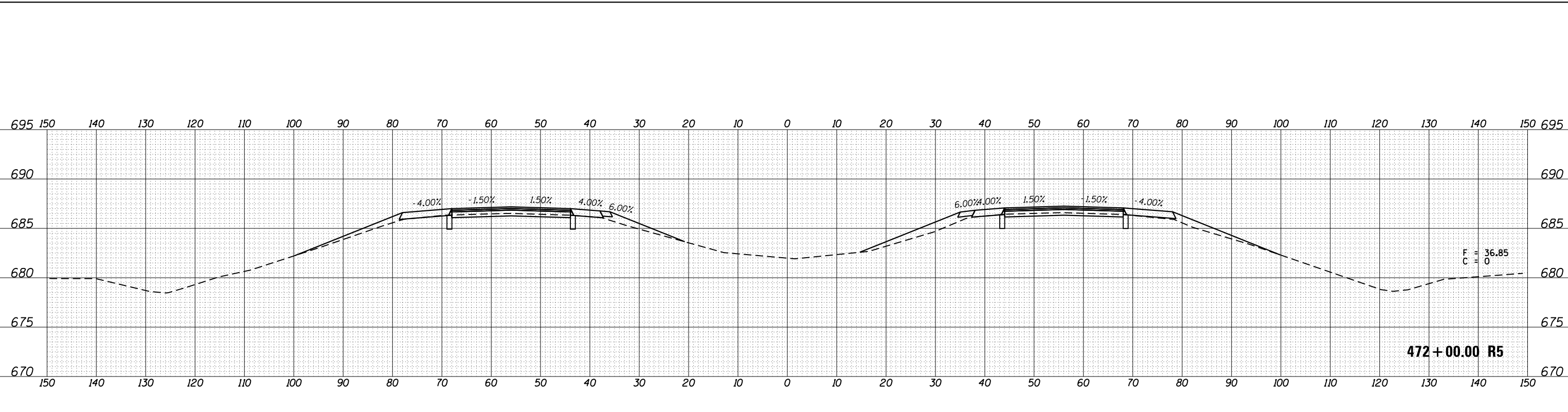
CROSS SECTIONS			
SCALE:	SHEET	OF	SHEETS
STA. 462+00.00 R5 TO STA. 464+00.00 R5			

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	191
CONTRACT NO. 66F23				
ILLINOIS FED. AID PROJECT				

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



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		DRAWN	REVISED -					55	(53-4) R&I	LIVINGSTON	242	193
		CHECKED -	REVISED -					CONTRACT NO. 66F23				
Third Round	DATE = 4/6/2017	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
<p>SCALE: SHEET OF SHEETS STA. 468+00.00 R5 TO STA. 470+00.00 R5</p>												



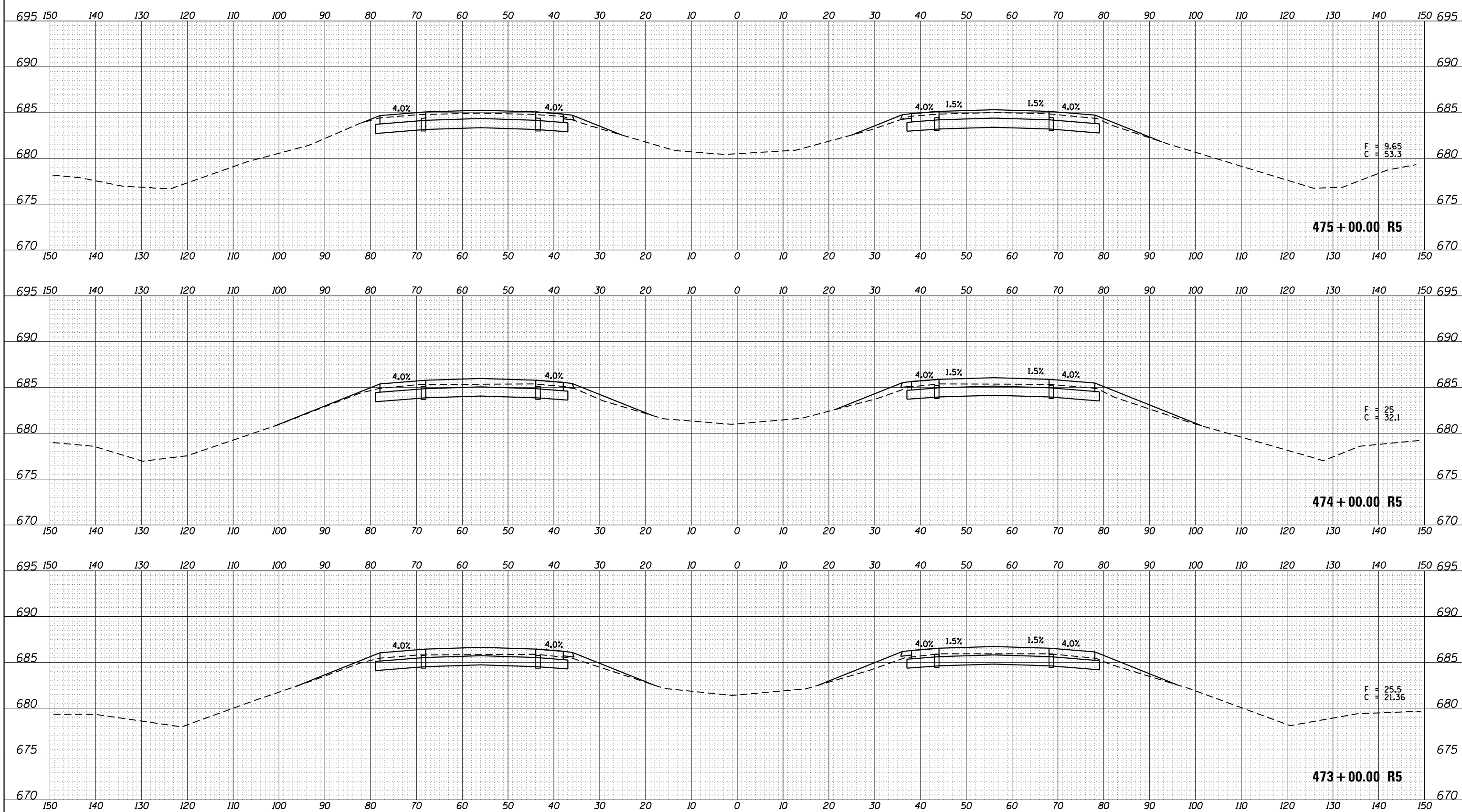
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p:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 3\Projects\0366F23\CADD\Drawings\Sheets\D366F23-sht-xxxx.dgn	NOTE BOOK NO.	CHECKED -	REVISED -			55	(53-4) R&I	LIVINGSTON	242	194	
Third Round	NO.	DATE -	REVISED -			CONTRACT NO. 66F23		ILLINOIS FED. AID PROJECT			
						SCALE: SHEET OF SHEETS STA. 471+00.00 R5 TO STA. 472+00.00 R5					

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

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

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

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



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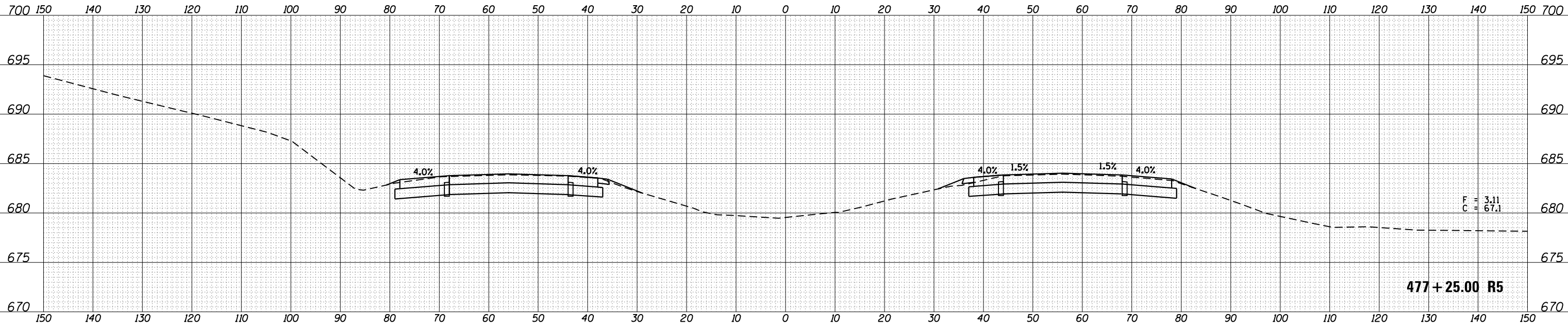
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

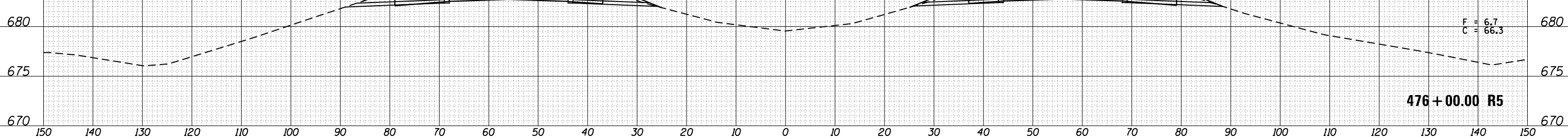
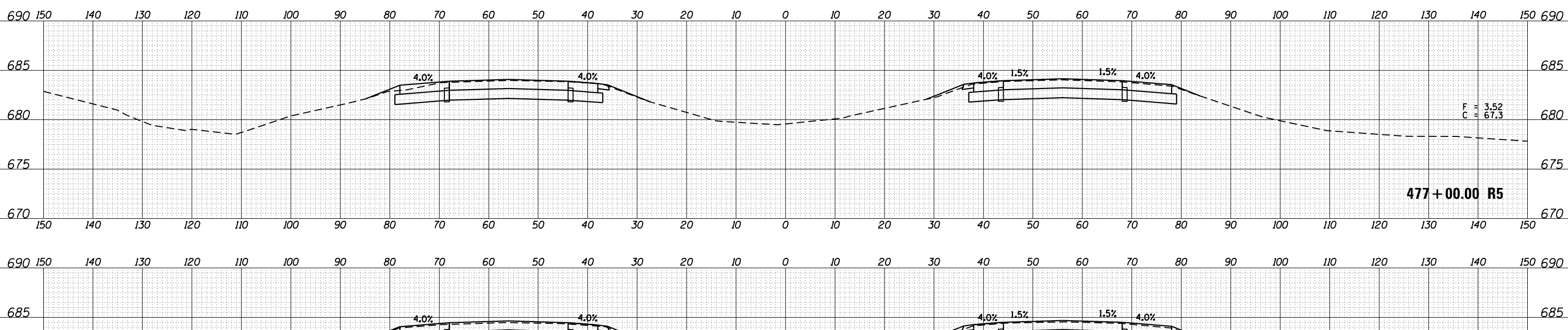
SCALE: SHEET OF SHEETS STA. 473+00.00 R5 TO STA. 475+00.00 R5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	195
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY NO.	
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NOTE BOOK	
TEMPLATE	
AREAS CHECKED	



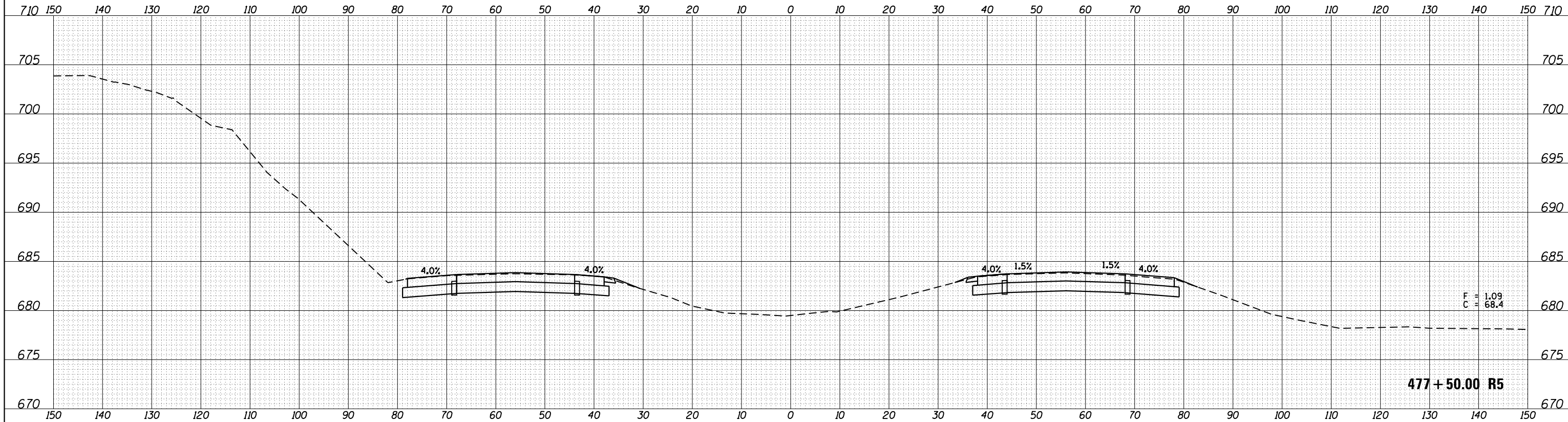
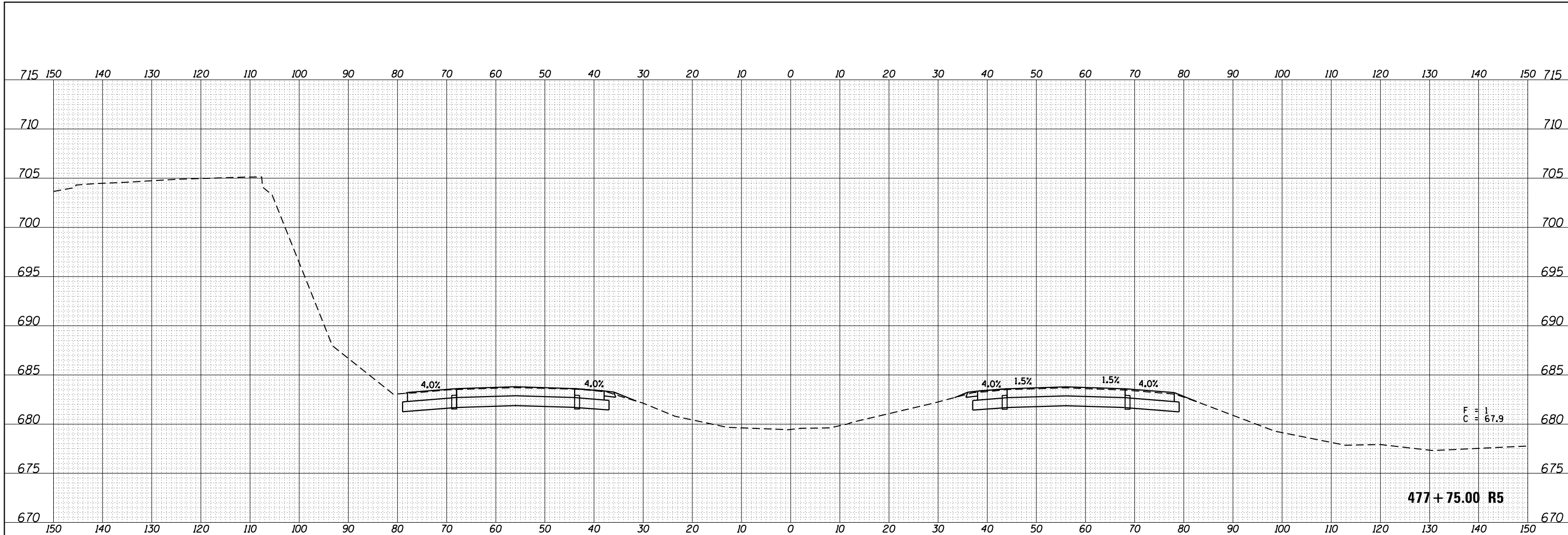
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ORIGINAL SURVEY NO.	
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NOTE BOOK	
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AREAS CHECKED	



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Third Round	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. 476+00.00 R5 TO STA. 477+25.00 R5				CONTRACT NO. 66F23				
	PLOT DATE = 4/6/2017	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

DATE	
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FINAL SURVEY NO.	
SURVEYED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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ORIGINAL SURVEY NO.	
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 DATE -
 PLOT DATE: 4/6/2017

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

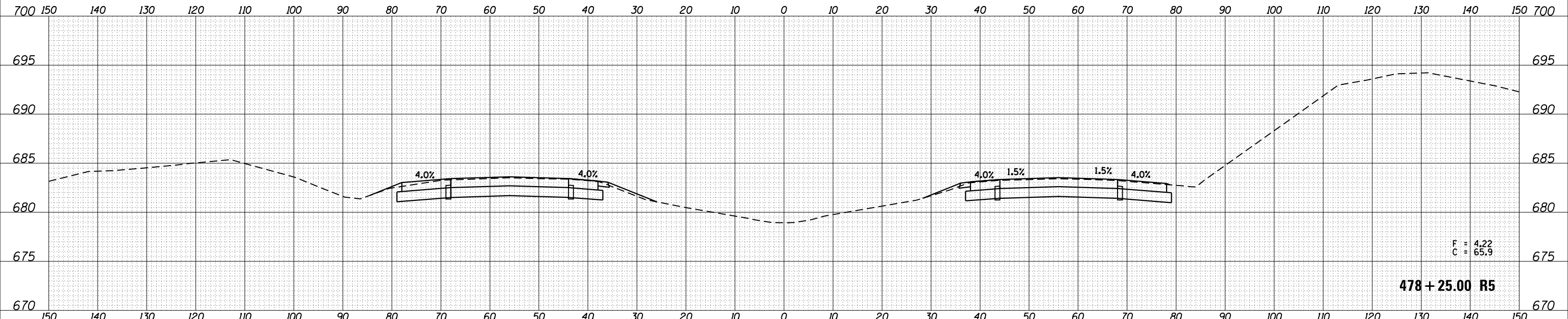
CROSS SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	197
				CONTRACT NO. 66F23

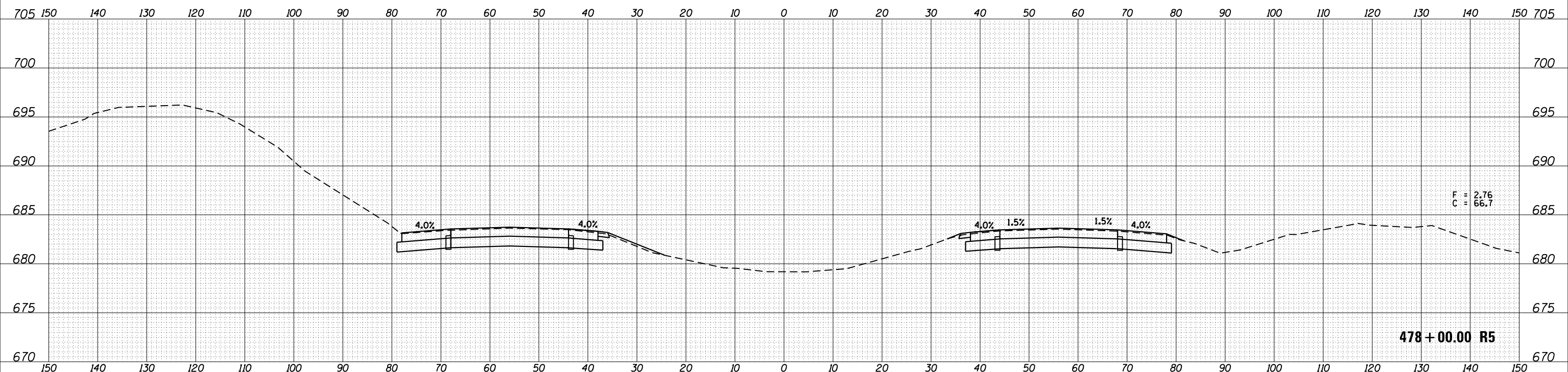
SCALE: SHEET OF SHEETS STA. 477+50.00 R5 TO STA. 477+75.00 R5

ILLINOIS FED. AID PROJECT

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



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



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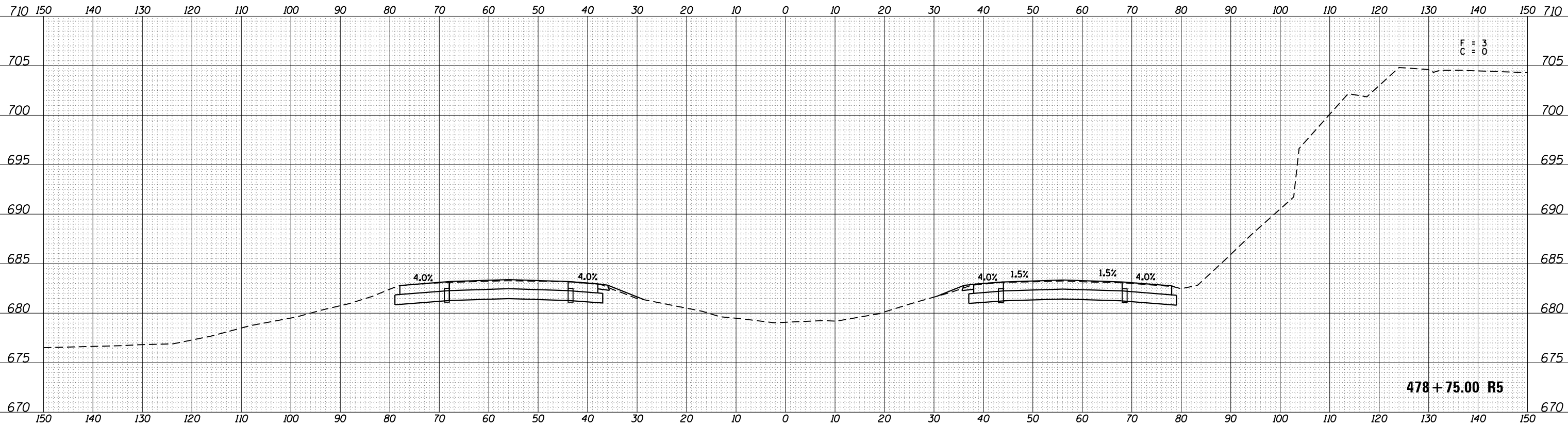
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

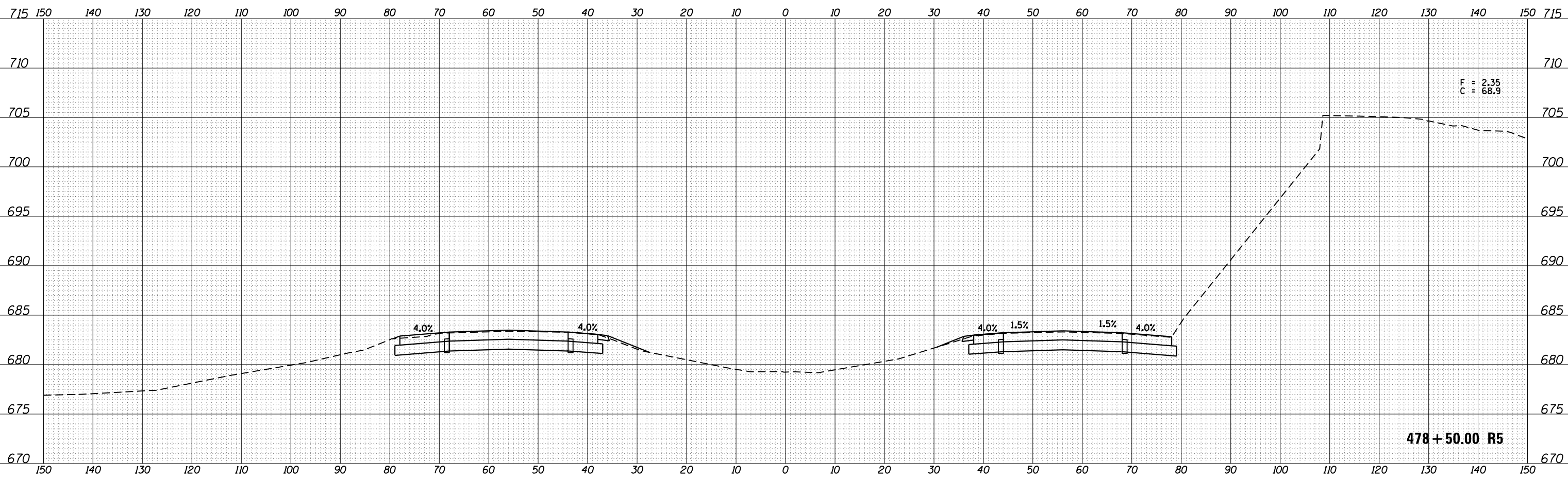
SCALE: SHEET OF SHEETS STA. 478+00.00 R5 TO STA. 478+25.00 R5

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	198
				CONTRACT NO. 66F23
ILLINOIS FED. AID PROJECT				

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



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



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 Third Round

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 DATE - 4/6/2017

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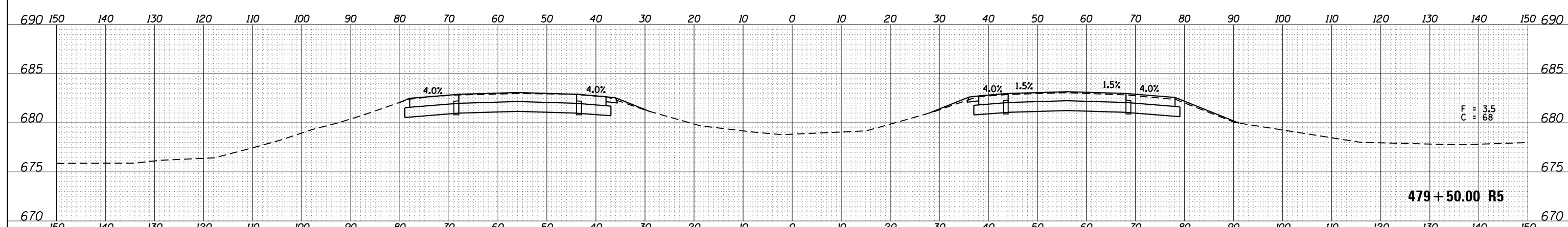
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. 478+50.00 R5 TO STA. 478+75.00 R5

CROSS SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(53-4) R&I	LIVINGSTON	242	199
CONTRACT NO. 66F23			ILLINOIS FED. AID PROJECT	

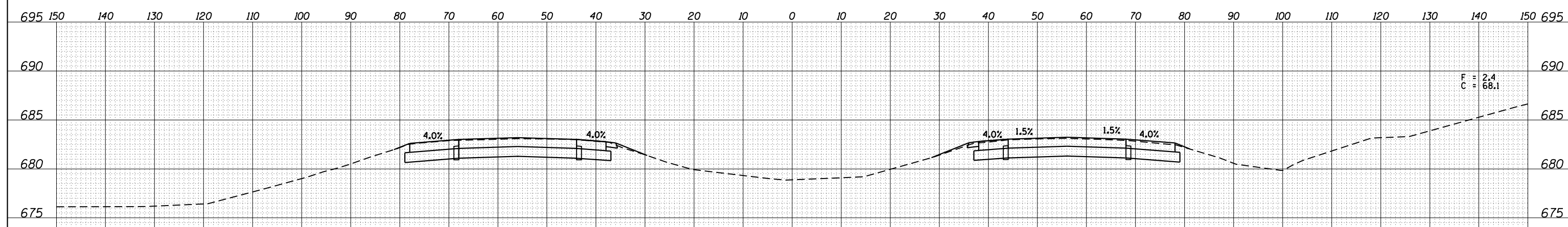
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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FINAL	SURVEY
NOTE	BOOK
NO.	



$F = 3.5$
 $C = 68$

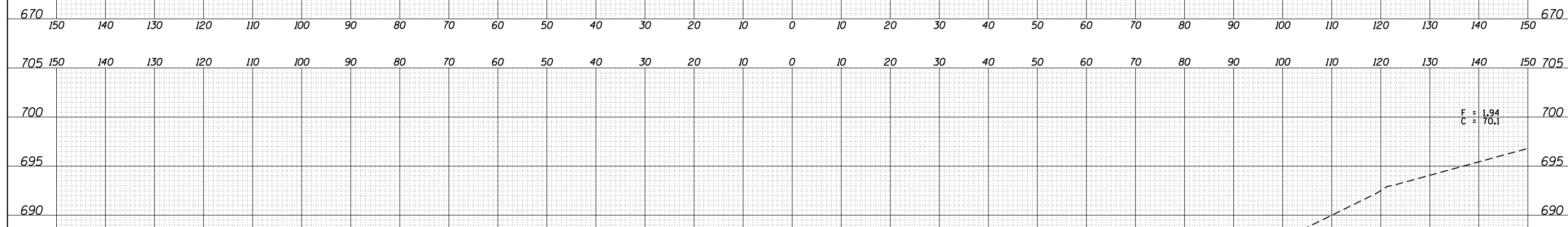
479+50.00 R5

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



$F = 2.4$
 $C = 68.1$

479+25.00 R5



$F = 1.94$
 $C = 70.1$

479+00.00 R5

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\il084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 3\Projects\D366F23\CAD\DRAWING\ sheets\D366F23-sht-xssh.dgn	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -			55	(53-4) R&I	LIVINGSTON	242	200	
Third Round	PLOT DATE = 4/6/2017	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. 479+00.00 R5 TO STA. 479+50.00 R5		CONTRACT NO. 66F23			
ILLINOIS FED. AID PROJECT											