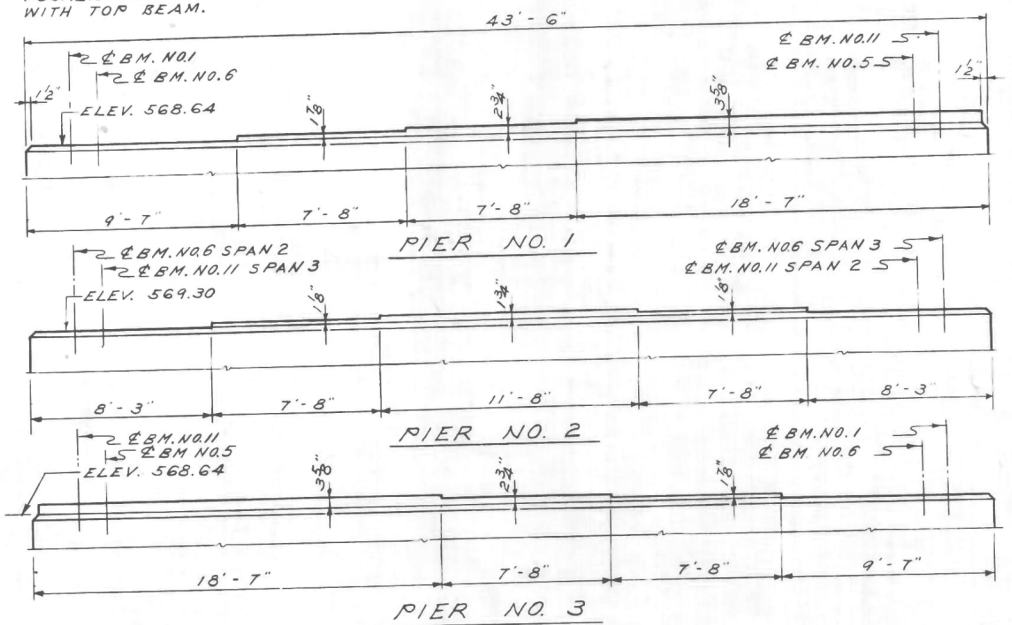


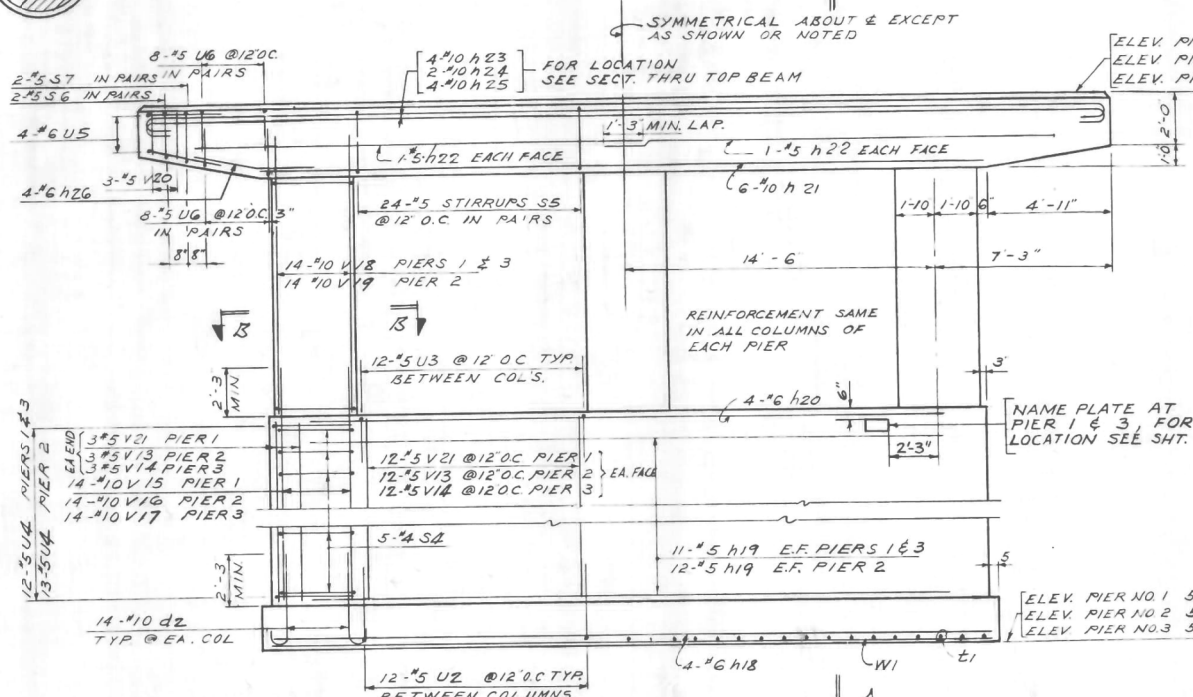
TOP PLAN OF PIER NO. 1
 (PIER NO. 3 SIMILAR BY ROTATION OF 180°)
 SCALE 1/4" = 1'-0"

TOP PLAN OF PIER NO. 2
 SCALE 1/4" = 1'-0"

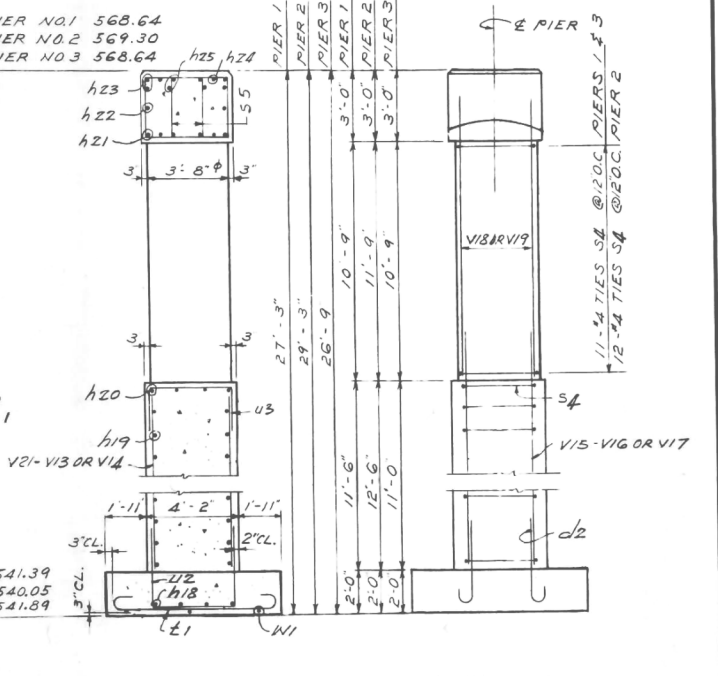
NOTE:
 PEDESTAL STEPS TO BE
 ROURED MONOLITHICALLY
 WITH TOP BEAM.



ELEVATION OF PEDESTAL STEPS
 SCALE 1/4" = 1'-0"



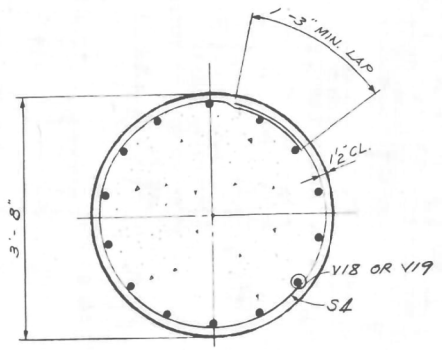
ELEVATION
 SCALE 1/4" = 1'-0"



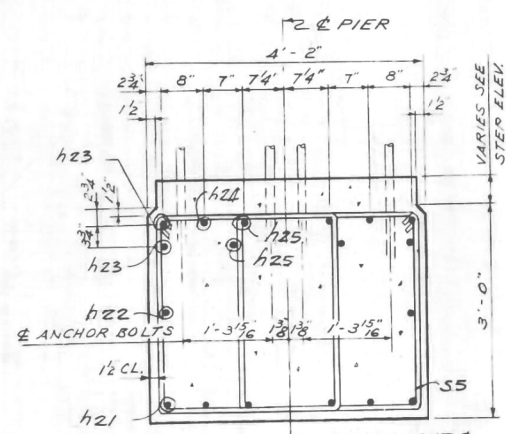
SECTION A-A
 SCALE 1/4" = 1'-0"

END VIEW
 SCALE 1/4" = 1'-0"

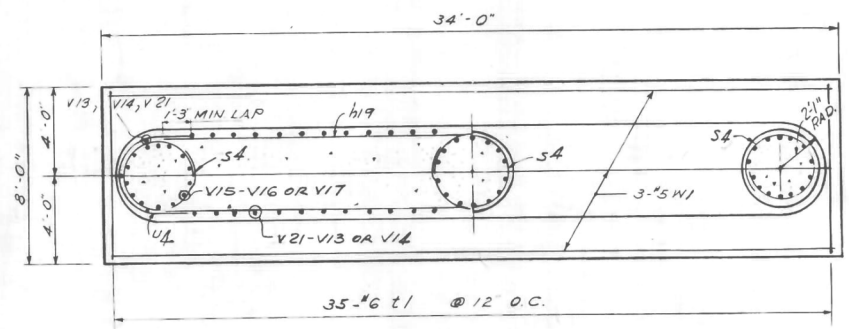
NOTE:
 SPACE REINFORCEMENT IN TOP
 BEAM TO AVOID INTERFERENCE WITH
 DRILLING OF HOLES FOR ANCHOR BOLTS.



SECTION B-B
 SCALE 3/4" = 1'-0"



SECTION
 THRU TOP BEAM
 SCALE 3/4" = 1'-0"



HALF SECTION HALF PLAN
 FOOTING PLAN
 SCALE 1/4" = 1'-0"

BILL OF MATERIAL

ITEM	UNIT	QUANTITY		
		PIER 1	PIER 2	PIER 3
CLASS X CONCRETE	CU. YDS.	110.4	115.7	107.9
REINFORCEMENT BARS	LBS.	12,960	13,480	12,840
CLASS A EXCAVATION FOR STRUCTURES	CU. YDS.	197	217	186

PIERS 1, 2 AND 3
 GRADE SEPARATION
 CROSS ROAD
 OVER F.A.I. ROUTE 80
 F.A. PROJECT
 F.A.I. ROUTE 80 SECTION (32,47)-4
 GRUNDY-KENDALL COUNTY
 STATION 1574+07.48

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS
 10 SOUTH WABASH AVENUE 602 CHICAGO, ILLINOIS

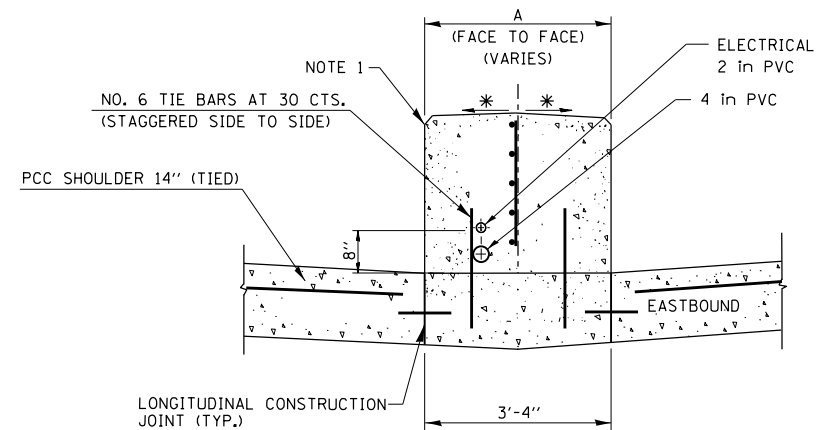
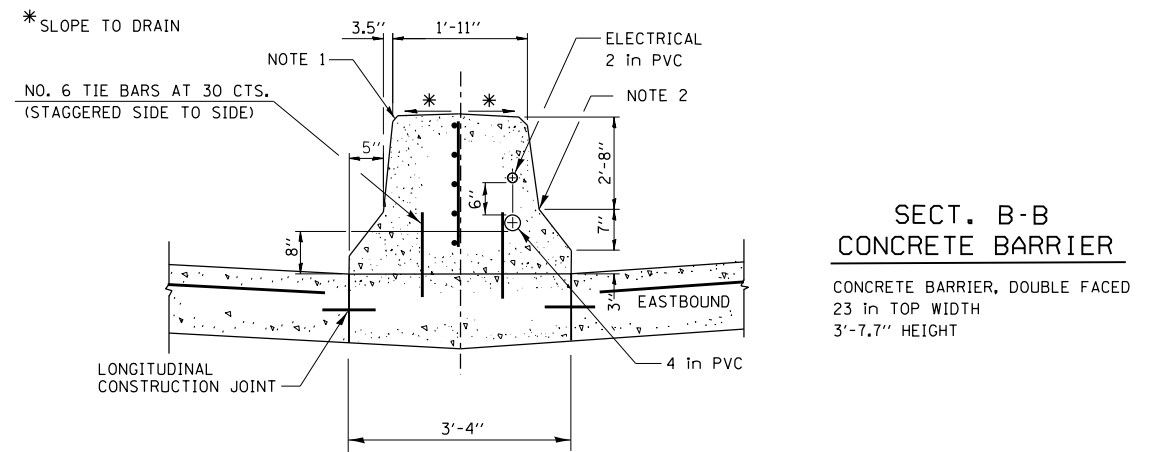
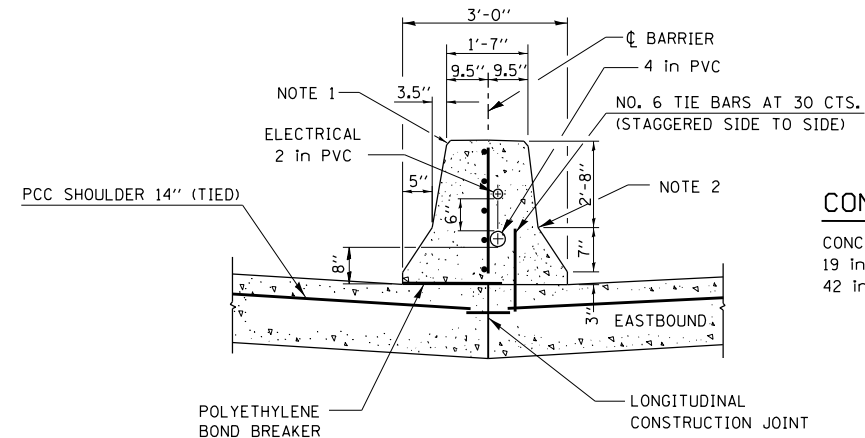
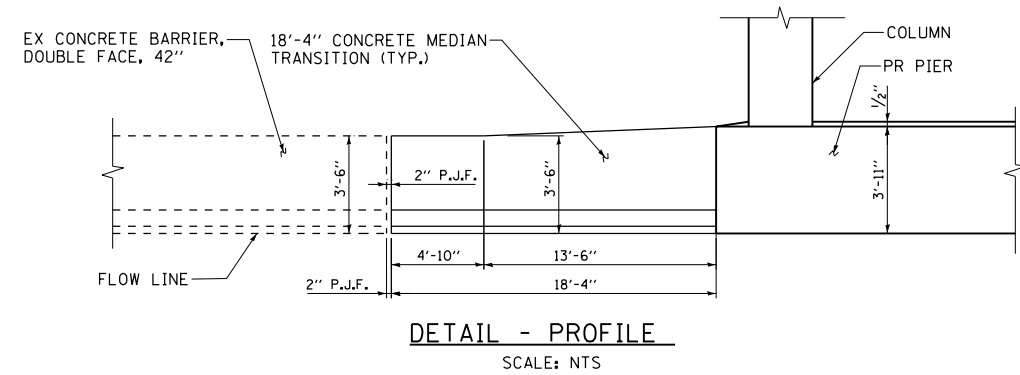
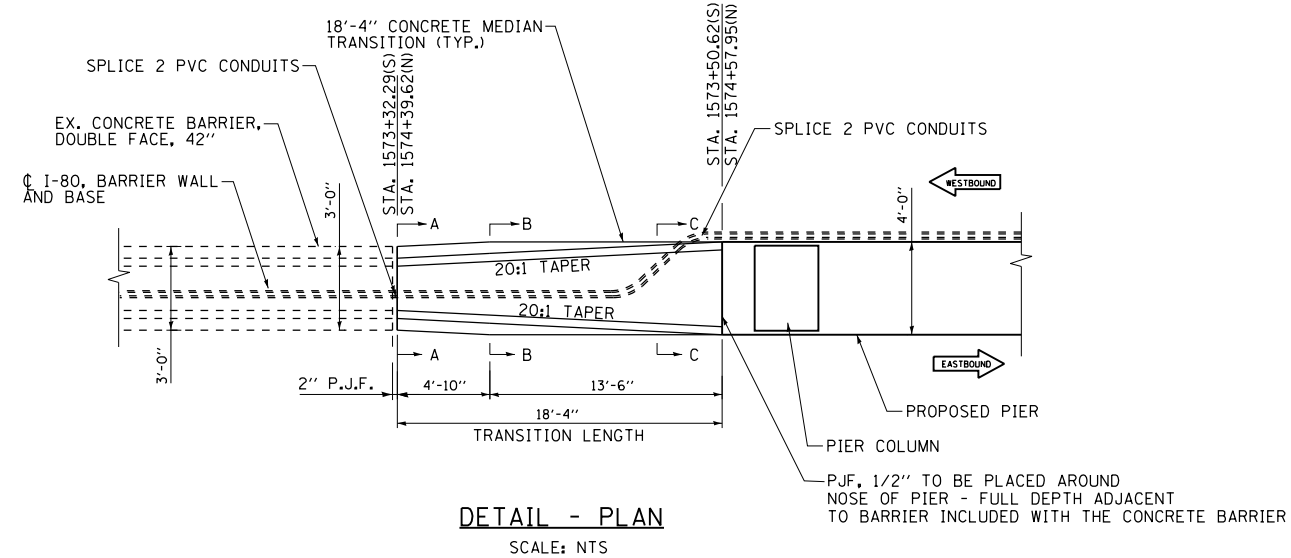
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		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FOR INFORMATION ONLY
 EXISTING SN 032-0046

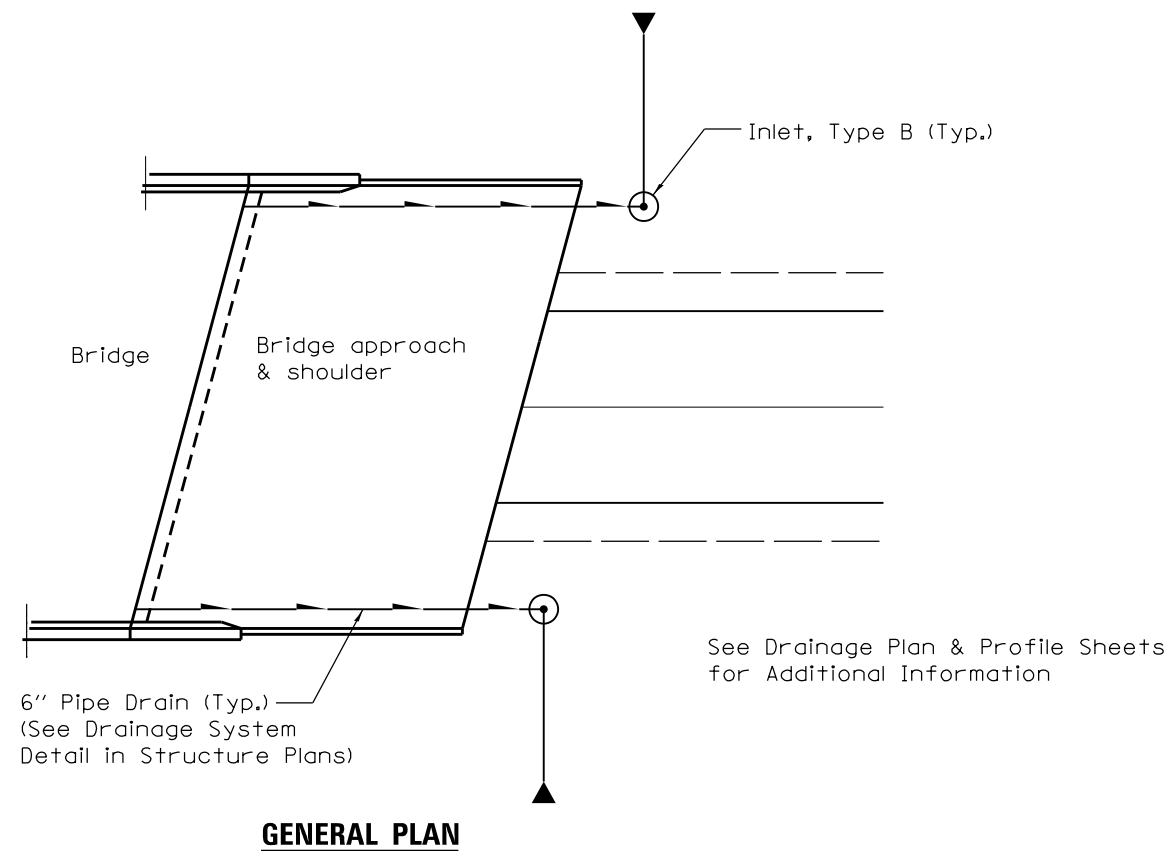
SCALE: SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47)-4HBR-2	GRUNDY	143	101
CONTRACT NO. 66873				
ILLINOIS FED. AID PROJECT				

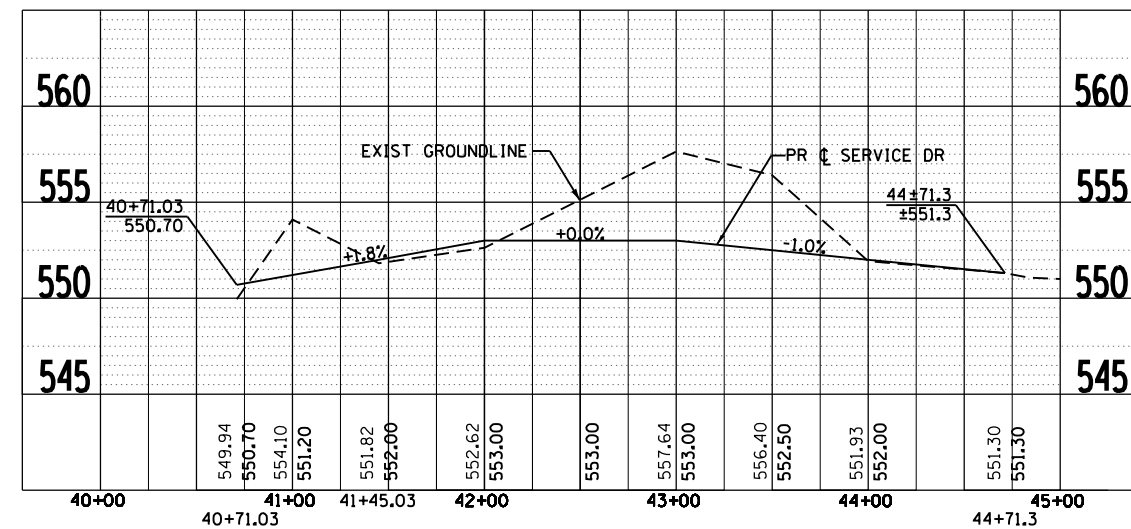


NOTE
1 - 1 in RADIUS
2 - 10 in RADIUS

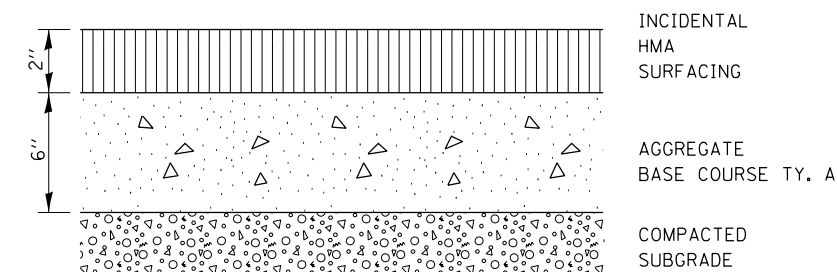
FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\work\pwork\dot\duncanbd\dms58037\EP0904-sht-details.dgn		DRAWN -	REVISED -		80	(32,47-4)HBR-2	GRUNDY	143	102				
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 66873								
PLOT DATE = 3/15/2013		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



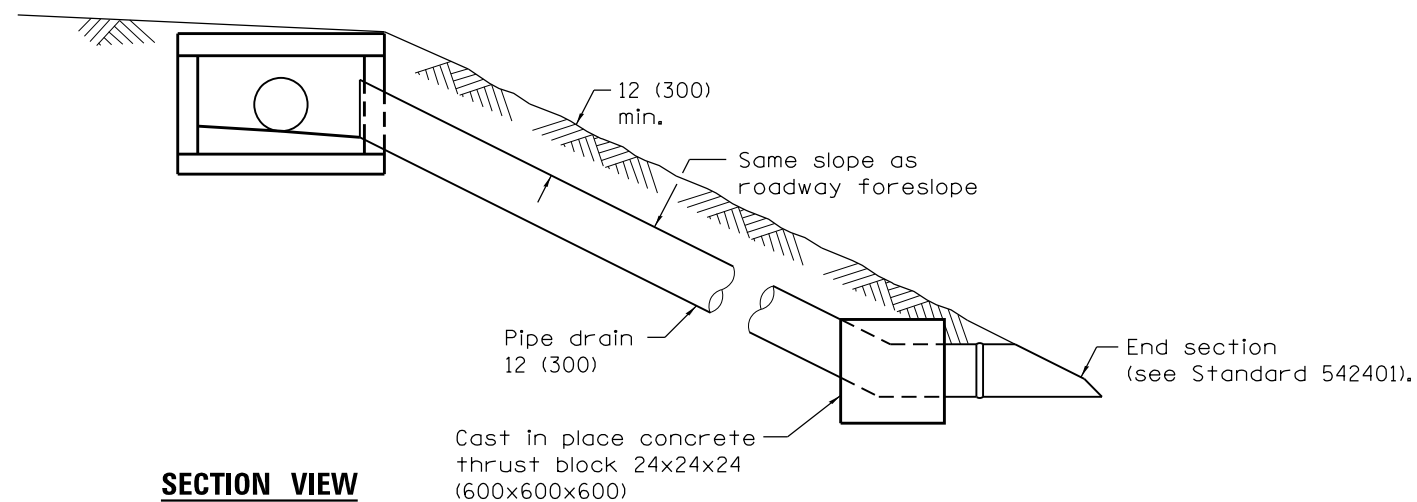
GENERAL PLAN



PROPOSED SERVICE DRIVE PROFILE



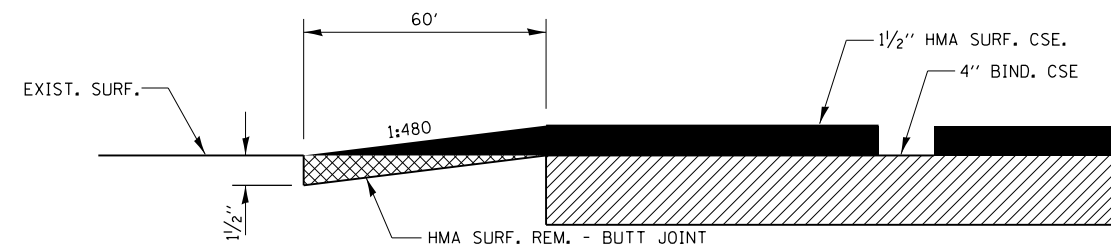
MULTI-USE PATH



SECTION VIEW

GENERAL NOTES

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



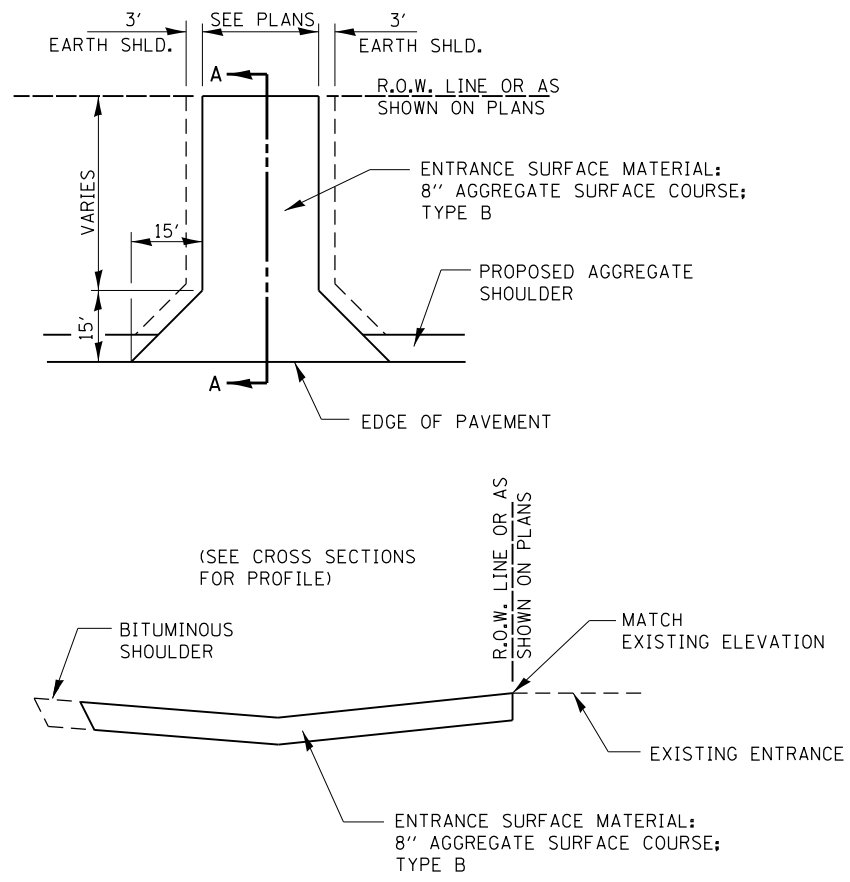
SHADY OAKS TAPER

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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	PLOT DATE = 3/15/2013	DATE -	REVISED -

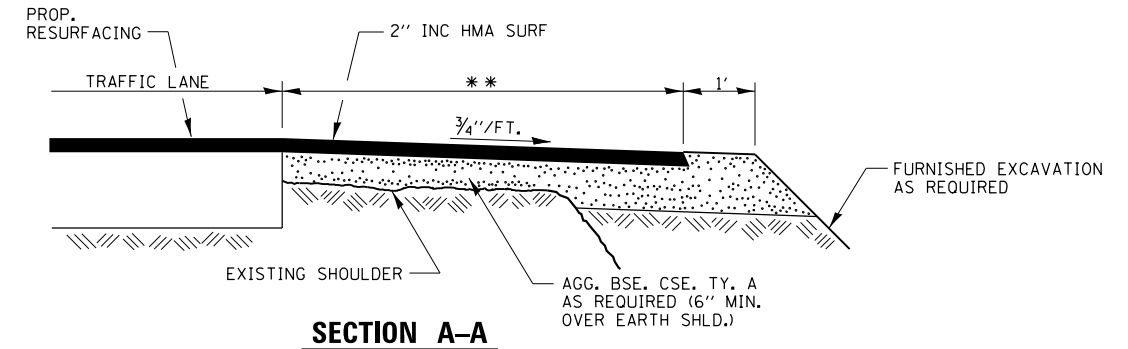
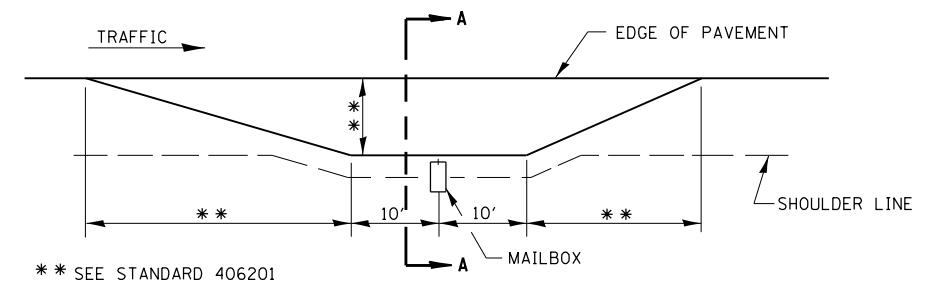
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS			
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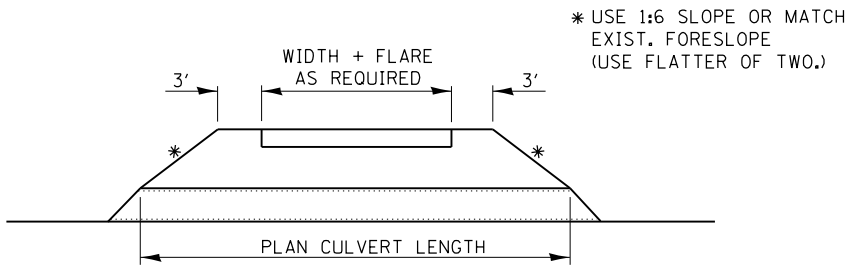
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CONTRACT NO. 66873				
ILLINOIS FED. AID PROJECT				



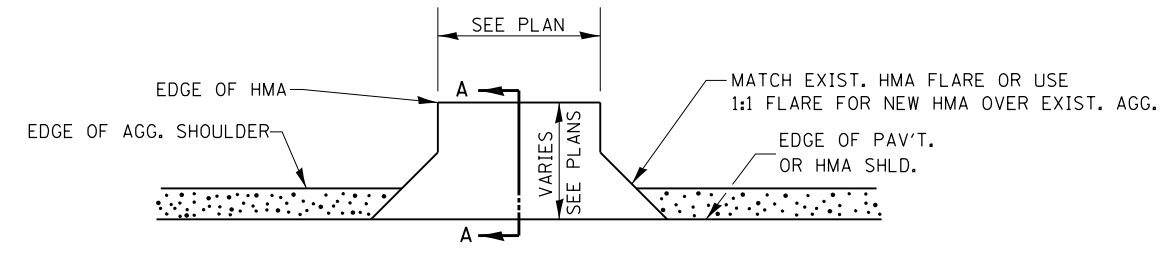
SECTION A-A



RURAL MAILBOX TURNOUT DETAILS

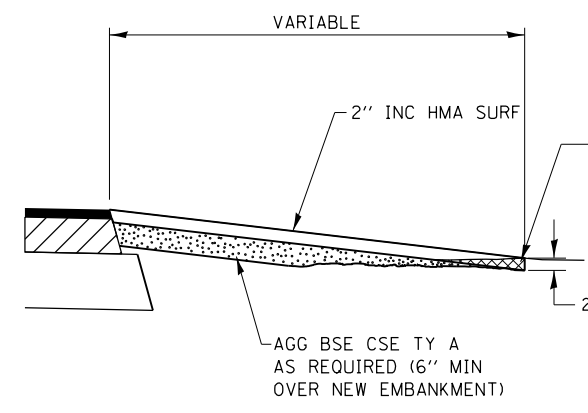


FIELD ENTRANCE DETAIL



PLAN AT PRIVATE & COMMERCIAL ENTRANCES

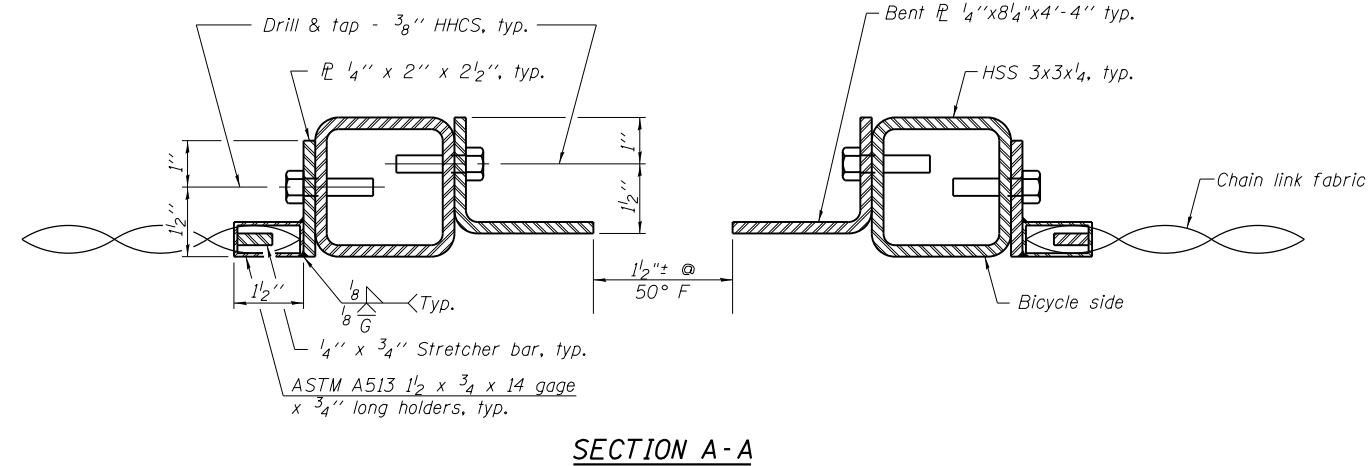
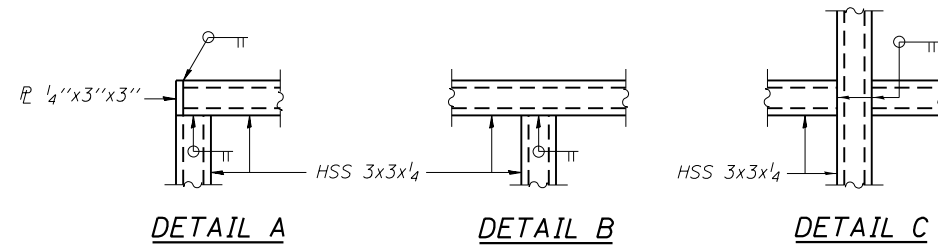
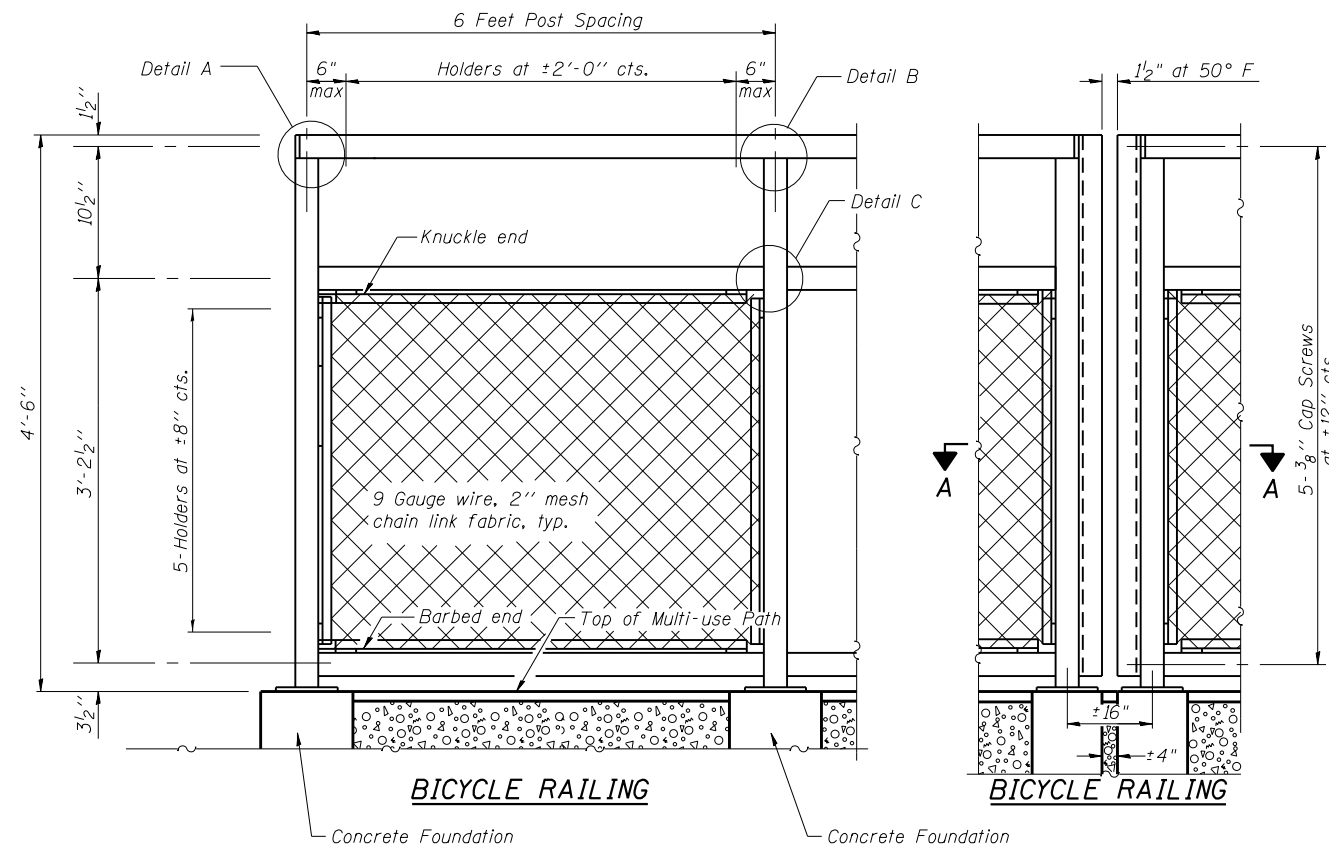
(DO NOT RESURFACE FIELD ENTRANCES)



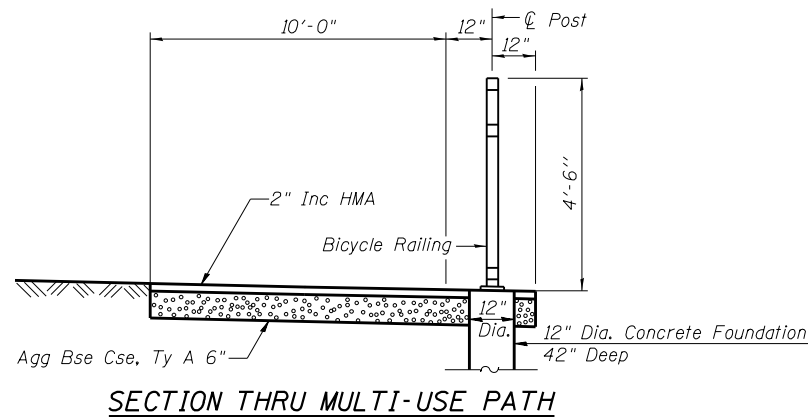
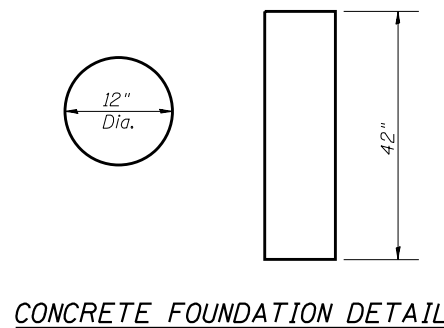
SECTION A-A

THE COST OF REMOVAL AT EXISTING HMA OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. YD. BY THE APPROPRIATE PAY ITEM. REMOVAL AT THE EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE HMA.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwork\pwork\dot\duncanbd\dms58037\EP01904-sht-details.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	80	(32,47-4)HBR-2	GRUNDY	143	104
		CHECKED -	REVISED -		CONTRACT NO. 66873									
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT									

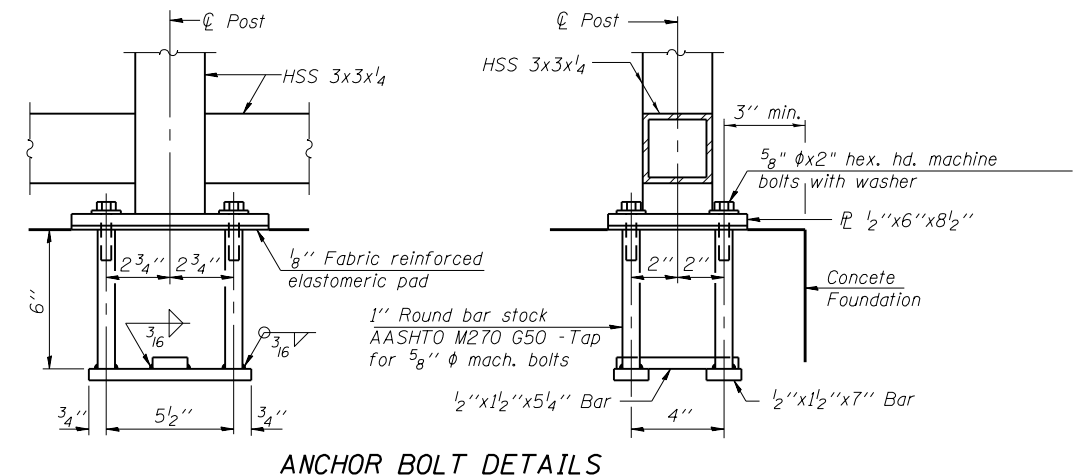
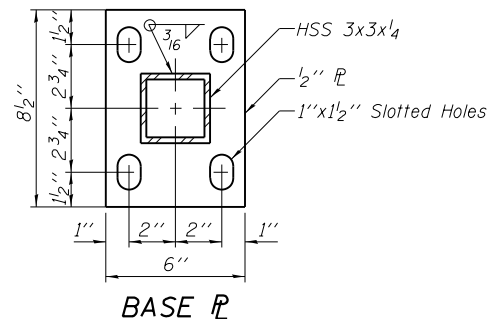
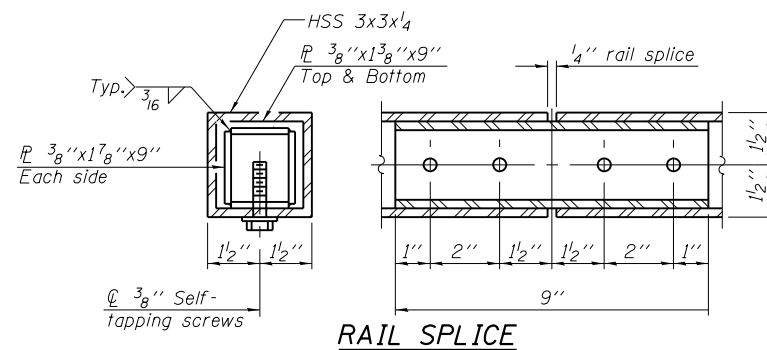


- Notes:
1. Field verify joint & light pole locations prior to fabricating.
 2. All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 3. All labor, equipment and materials necessary to furnish and install the concrete foundations for the Bicycle Railing posts shall be included in the contract unit price for BICYCLE RAILING.



BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	445



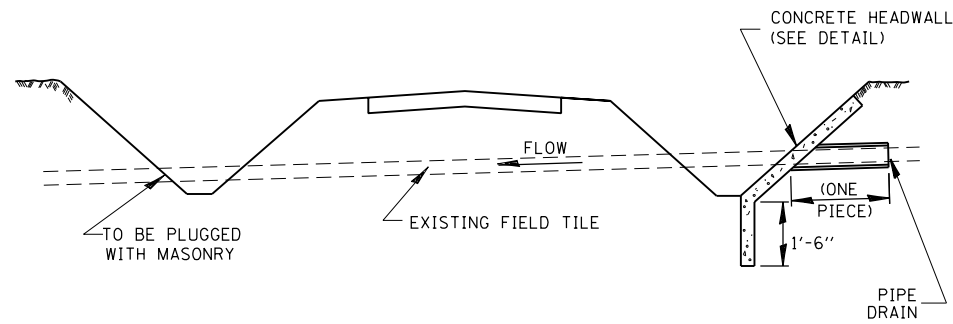
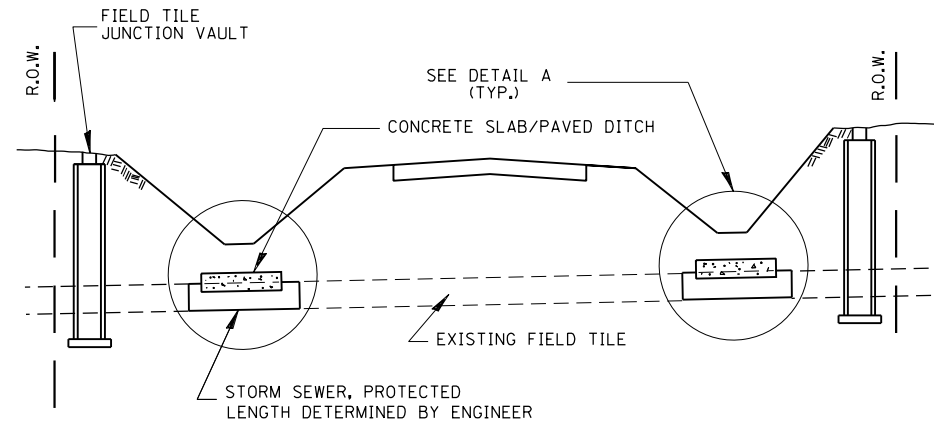
ANCHOR BOLT DETAILS
 In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
ca:\pwwork\pwwork\duncanbd\dms58037\EP00904-sht-details.dgn		DRAWN -	REVISED -
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		DATE -	REVISED -

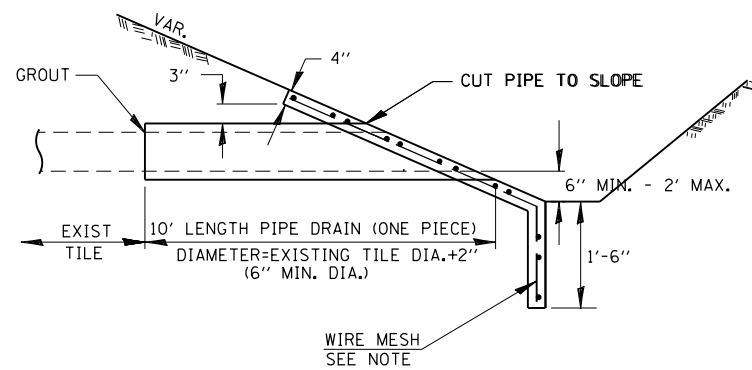
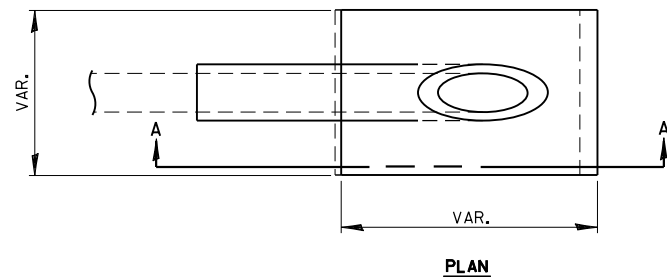
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

BICYCLE RAILING DETAILS				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)HBR-2	GRUNDY	143	105
CONTRACT NO. 66873				
ILLINOIS FED. AID PROJECT				

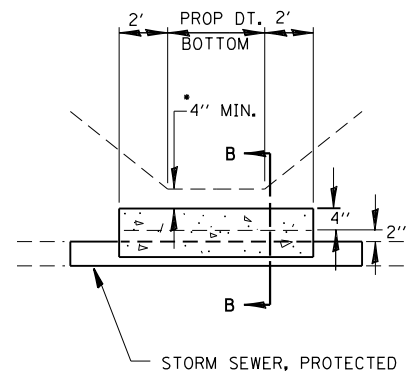


FIELD TILE REPLACEMENT



SECTION A-A

CLASS SI CONCRETE HEADWALLS



DETAIL A

NO SCALE

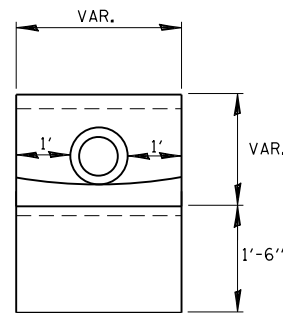
* IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.

NOTES

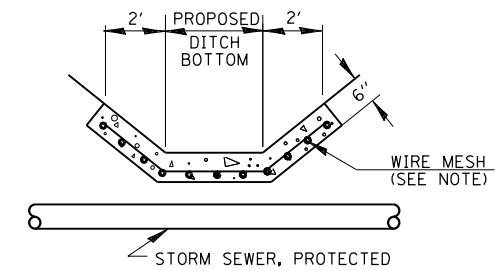
1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "MISCELLANEOUS CONCRETE."
3. COST OF FURNISHING AND INSTALLING 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.

NOTES

1. ANY STORM SEWER OR FIELD TILE 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.

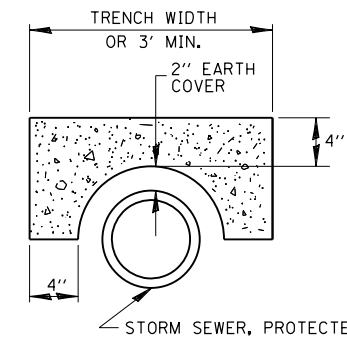


END VIEW

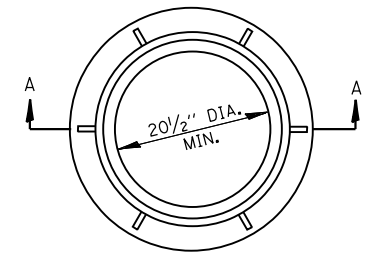
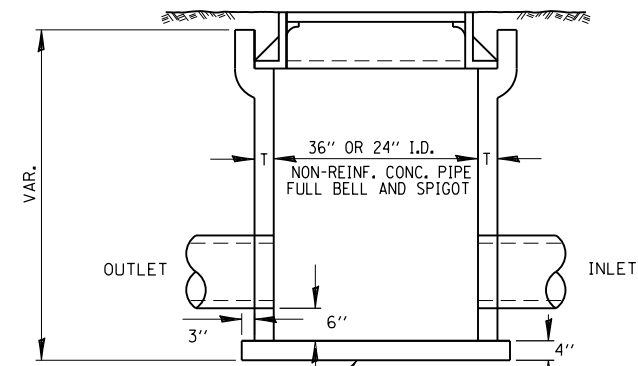


DETAIL C

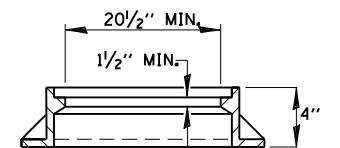
NO SCALE



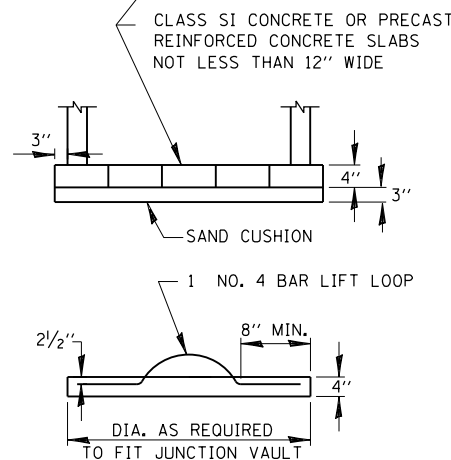
SECTION B-B



± 145#



SECTION A-A



FIELD TILE JUNCTION VAULT

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.

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / 1"		CHECKED -	REVISED -
PLOT DATE = 3/15/2013		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIELD TILE DETAILS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)HBR-2	GRUNDY	143	106
CONTRACT NO. 66873				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

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Date 4/20/11

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Sample 1) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	
					ft	ft
BORING NO. <u>1</u> Station <u>71+49</u> Offset <u>17.00ft Lt.</u> Ground Surface Elev. <u>547.83</u>						
Black Silty Clay Loam Topsoil Fill						
Black & Brown Silty Clay Loam/Silty Loam Fill						
			2.0 P		27.4	
End of Boring			2.5 P		25.6	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 4/20/11

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Samples 2, 3 & 4) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	
					ft	ft
BORING NO. <u>2</u> Station <u>69+49</u> Offset <u>18.00ft Lt.</u> Ground Surface Elev. <u>545.63</u>						
Brown & Black Silty Clay Loam Fill with Gravel Pieces						
			2.0 P		17.7	
Brown & Gray Silty Clay/Silty Clay Loam with some Large Gravel Pieces						
			2.5 P		31.3	
Brown & Gray Silty Clay Loam Till with Large Gravel Pieces						
			>4.5 P		27.4	
End of Boring						

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 4/20/11

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Sample 5) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	
					ft	ft
BORING NO. <u>3</u> Station <u>66+49</u> Offset <u>18.00ft Lt.</u> Ground Surface Elev. <u>545.18</u>						
Black & Brown Silty Clay Loam Fill with Gravel Pieces						
			2.0 P		19.5	
End of Boring			2.0 P		31.4	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 3/15/2013		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT SOIL BORINGS
MINOOKA ROAD

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)HBR-2	GRUNDY	143	107
CONTRACT NO. 66873				
ILLINOIS FED. AID PROJECT				



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

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Date 4/20/11

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Sample 6) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	MOISTURE	Surface Water Elev.	Stream Bed Elev.
Station						
BORING NO. <u>4</u>					Groundwater Elev.:	
Station <u>63+49</u>					First Encounter	
Offset <u>17.00ft Lt.</u>					Upon Completion	
Ground Surface Elev. <u>545.44</u>	ft	(ft)	(/6")	(tsf)	(%)	
Brown & Black Silty Clay Loam/Silty Loam Fill						
	542.44		1.5	24.0		
Brown Silty Clay Loam Till						
End of Boring	538.44		3.5	15.4		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 4/20/11

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Sample 7) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	MOISTURE	Surface Water Elev.	Stream Bed Elev.
Station						
BORING NO. <u>5</u>					Groundwater Elev.:	
Station <u>60+49</u>					First Encounter	
Offset <u>17.00ft Lt.</u>					Upon Completion	
Ground Surface Elev. <u>546.67</u>	ft	(ft)	(/6")	(tsf)	(%)	
Brown & Black Silty Clay Loam Fill						
	544.67		2.5	19.1		
Brown Silty Clay Loam Till						
End of Boring	540.67		3.5	16.5		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 4/20/11

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Sample 8) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO.	DEPTH	BULGE	UCS	MOISTURE	Surface Water Elev.	Stream Bed Elev.
Station						
BORING NO. <u>6</u>					Groundwater Elev.:	
Station <u>57+49</u>					First Encounter	
Offset <u>18.00ft Lt.</u>					Upon Completion	
Ground Surface Elev. <u>548.81</u>	ft	(ft)	(/6")	(tsf)	(%)	
Black & Brown Silty Clay Loam Fill						
	547.81					
Brown Silty Clay Loam, High Sand/Gravel Content with Large Gravel Pieces						
			3.0	19.3		
End of Boring	542.81		4.0	12.3		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
et:\pw\work\p\dot\duncanbd\dms58037\ep01904-sht-pavement soil borings.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT SOIL BORINGS
MINOOKA ROAD

SCALE: SHEET 2 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)HBR-2	GRUNDY	143	108
				CONTRACT NO. 66873
ILLINOIS FED. AID PROJECT				



SOIL BORING LOG

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Samples 9 & 10) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.		D E P T H	B L O W S	U C S Qu	M O I S T	
					ft	ft					
7 54+49 7.00ft Lt. 560.75					ft	ft					
Augered Bituminous Pavement, Brown Sand/Gravel Fill					15		22	6.7	9.9		
					23						
558.25	4										
Hard Brown Silty Loam Fill with Heavy Large Gravel Pieces & Some Silty Clay Loam Layers	5	4.0	10.5								
	7	P									
	8										
	8	>4.5	7.8								
	8	P									
553.75											
Hard Gray Silty Loam Till with Heavy Gravel & Topsoil mixed in @ 11'	7										
	7	4.5	9.3								
	7	P									
	3										
	4	3.6	16.2								
	5	S									
548.75											
Very Stiff Black to Dark Gray Silty Clay/Silty Clay Loam Topsoil	5										
	5	3.8	22.7								
	7	B									
546.75											
Very Stiff to Hard Brown & Gray Silty Loam Till	5										
	6	3.5	14.6								
	8	P									
	8										
	13	5.1	13.2								
	17	S									

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Sample 11) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NE 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.		D E P T H	B L O W S	U C S Qu	M O I S T	
					ft	ft					
8 45+49 9.00ft Lt. 561.29					ft	ft					
Augered Bituminous Pavement, Brown Sand & Gravel Fill											
558.79	4										
Very Stiff to Hard Brown & Gray Silty Clay Loam & Silty Loam Till Fill	4	3.5	9.8								
	6	P									
	4										
	5	3.7	13.7								
	6	B									
	6										
	7	4.1	7.3								
	8	S									
551.29											
Very Stiff Black to Dark Gray Silty Clay/Silty Clay Loam Topsoil	5										
	8	3.2	25.9								
	11	B									
549.29											
Very Stiff Brown & Gray Silty Clay/Silty Clay Loam Till	4										
	5	3.6	21.1								
	6	B									
	6										
	7	3.8	20.6								
	7	B									
544.29											
Auger Refusal @ 17' - Cobble/Boulder Obstruction End of Boring							100/0'	@ 17'			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Sample 12) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NW 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.		D E P T H	B L O W S	U C S Qu	M O I S T	
					ft	ft					
					ft	ft					
BORING NO. 9 Station 42+47 Offset 15.00ft Lt. Ground Surface Elev. 550.60					ft	ft					
Black & Brown Silty Clay Loam Fill with Gravel											
548.60								1.5	17.6		
Black Silty Clay Loam Topsoil											
547.60											
Brown & Gray Silty Clay											
544.60								4.5	22.4		
End of Boring											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 4/20/11

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Sample 13) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NW 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	
					ft	ft
BORING NO. <u>10</u> Station <u>39+47</u> Offset <u>16.00ft Lt.</u> Ground Surface Elev. <u>550.48</u> ft	(ft)	(/6")	(tsf)	(%)	Groundwater Elev.:	
					First Encounter	ft
					Upon Completion	ft
					After	Hrs. ft
Black & Brown Silty Clay Loam Fill						
549.48						
Black Silty Clay Loam Topsoil						
547.48						
Brown & Gray Silty Clay			1.5 P	23.6		
544.48						
End of Boring			4.5 P	33.7		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 4/20/11

ROUTE FAI 80 (I-80) DESCRIPTION Minooka Road (Samples 14 & 15) LOGGED BY Larry Myers
SECTION (32,47-4)HBR-2 LOCATION NW 1/4, SEC. 4, TWP. 34N, RNG. 8E
COUNTY Grundy DRILLING METHOD Push HAMMER TYPE CME Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev.	
					ft	ft
BORING NO. <u>11</u> Station <u>36+47</u> Offset <u>17.00ft Lt.</u> Ground Surface Elev. <u>550.70</u> ft	(ft)	(/6")	(tsf)	(%)	Groundwater Elev.:	
					First Encounter	ft
					Upon Completion	ft
					After	Hrs. ft
Black Silty Clay Loam Fill						
549.70						
Black Silty Clay Loam Topsoil						
547.70						
Brown & Gray Silty Clay			1.5 P	35.5		
544.70						
End of Boring			4.5 P	24.7		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

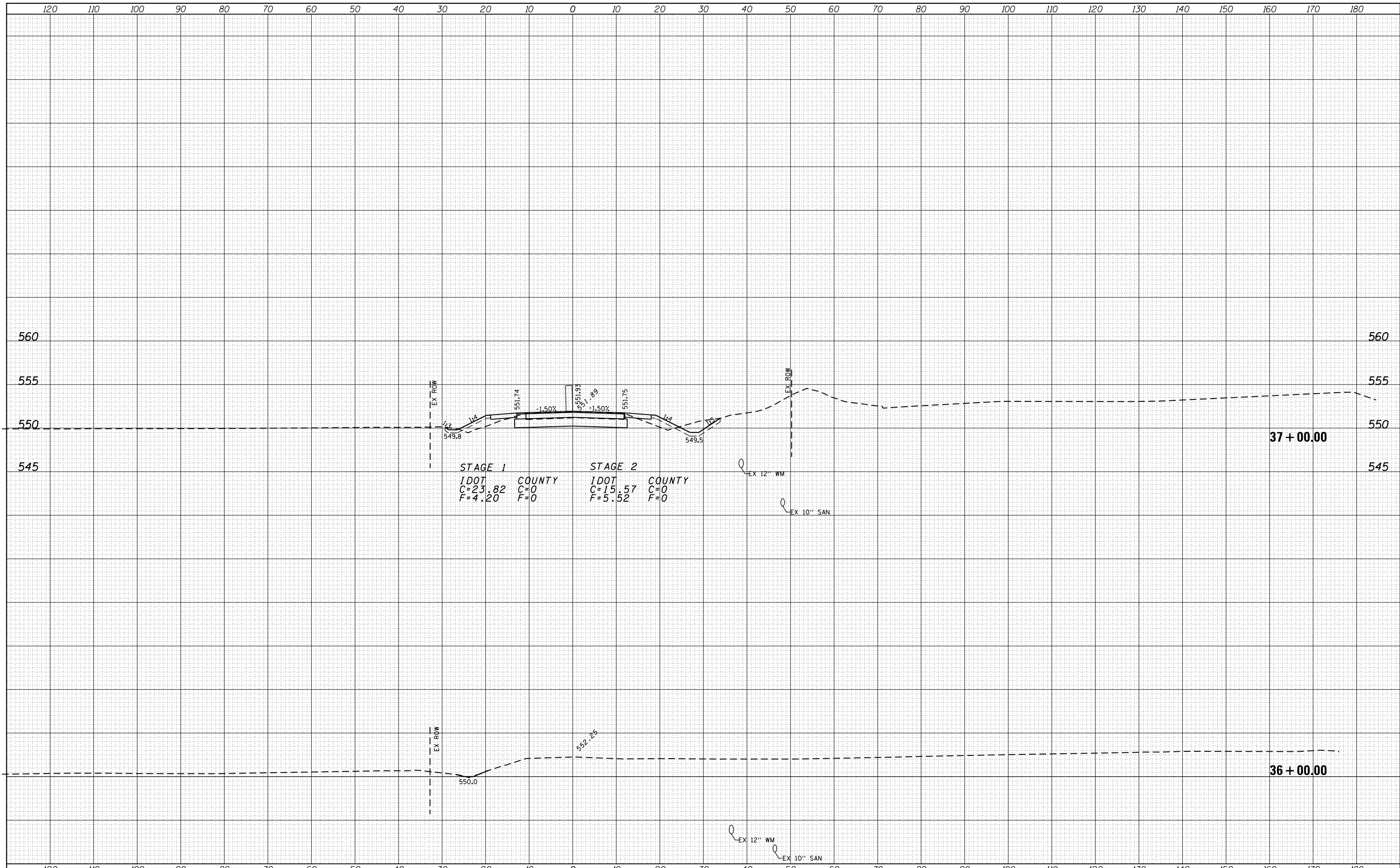
PAVEMENT SOIL BORINGS
MINOOKA ROAD

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)HBR-2	GRUNDY	143	110
				CONTRACT NO. 66873
ILLINOIS FED. AID PROJECT				

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

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



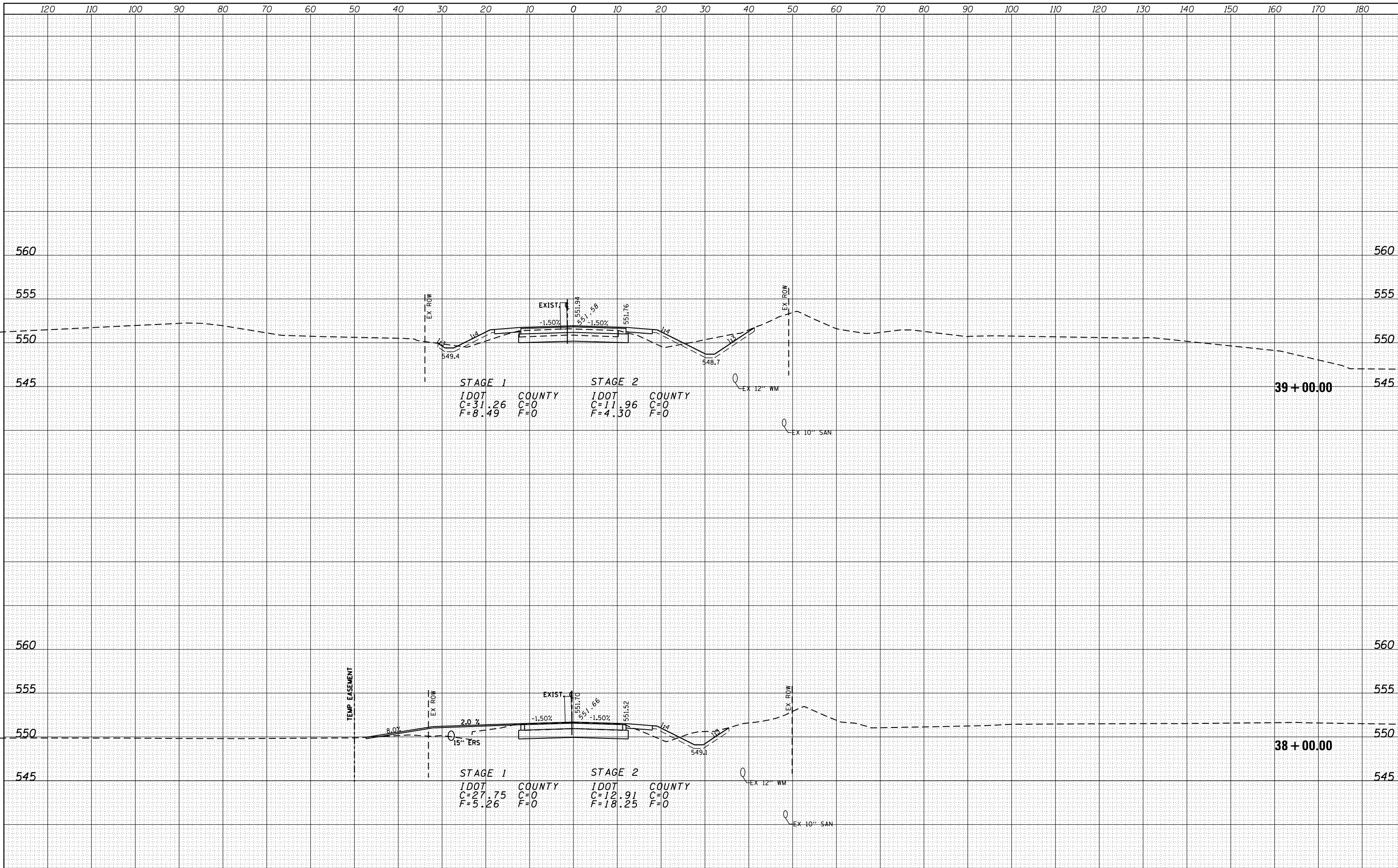
STAGE 1 STAGE 2

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FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -				80	(32,47-4)HBR-2	GRUNDY	143	111
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -				CONTRACT NO. 66873				
PLOT DATE = 3/15/2013		DATE -	REVISED -				3 ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF SHEETS	STA. 36+00.00	TO STA. 37+00.00			

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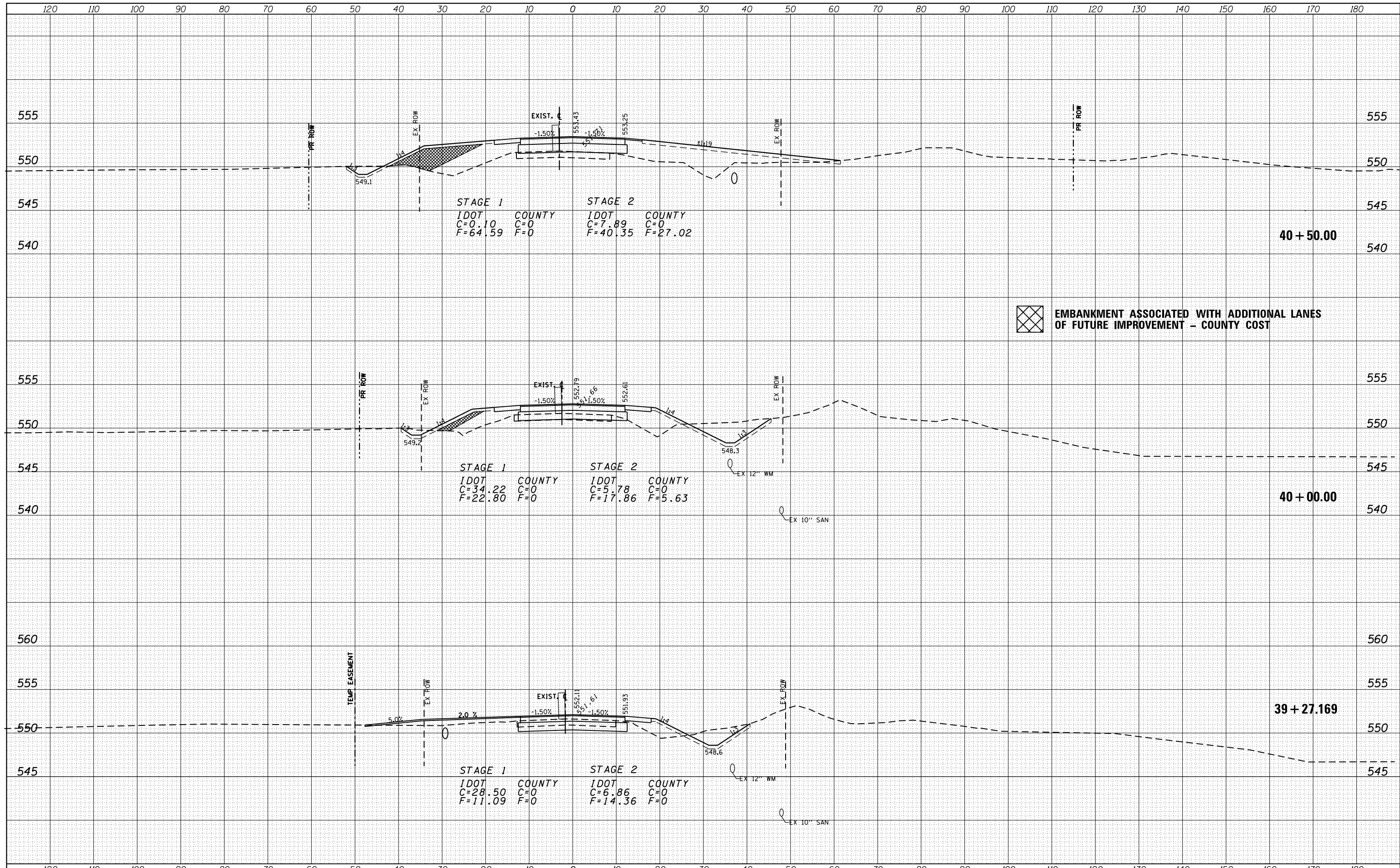
DATE	
BY	
ORIGINAL SURVEY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD	SCALE:	SHEET NO. OF SHEETS	STA. 38+00.00 TO STA. 39+00.00	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -						80	(32,47-4)HBR-2	GRUNDY	143	112
	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 66873				
	PLOT DATE = 3/15/2013	DATE -	REVISED -						3 ILLINOIS FED. AID PROJECT				

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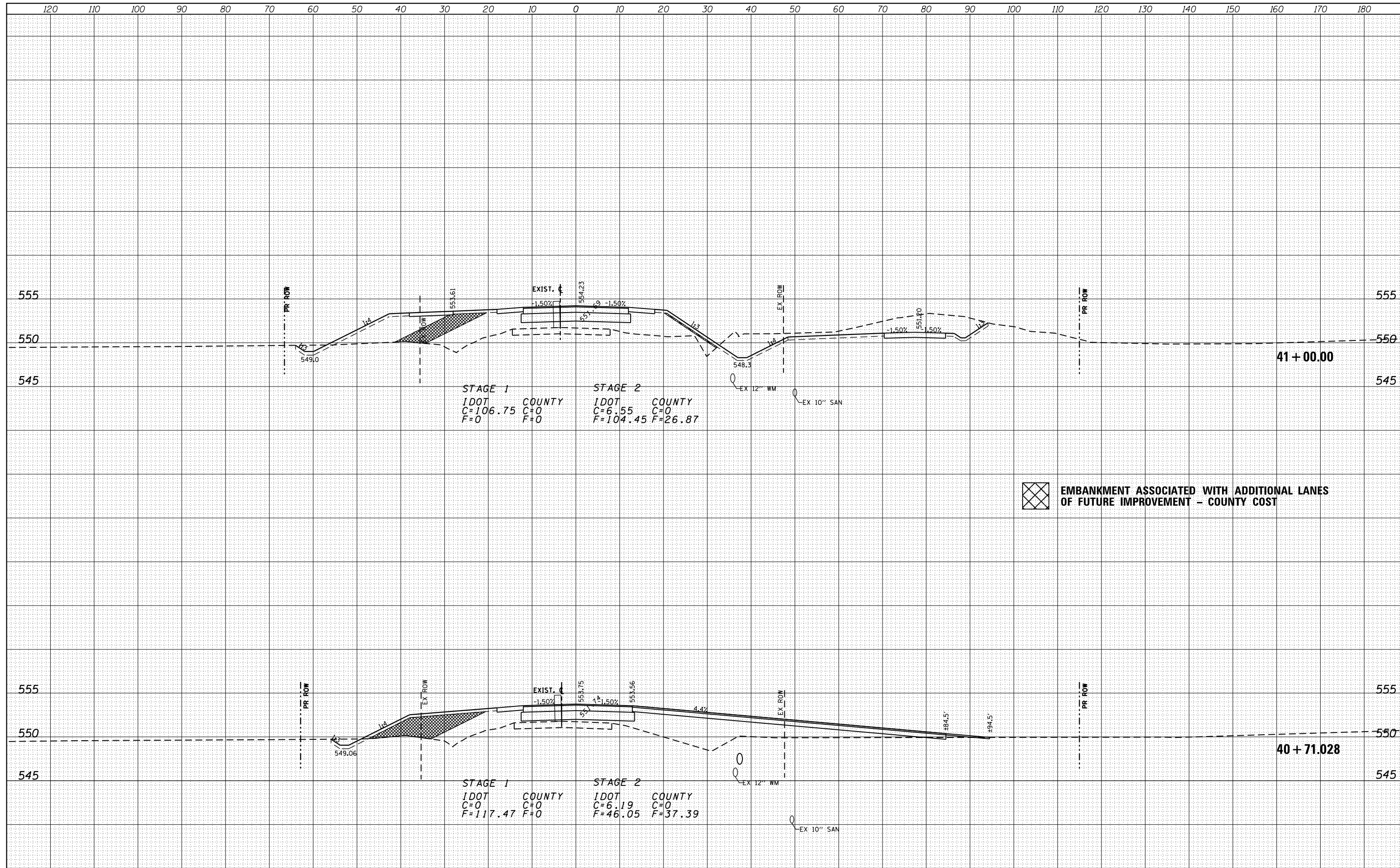
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BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS	
CHECKED	
NO.	



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw\work\p\idot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -			80	(32,47-4)HBR-2	GRUNDY	143	113
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 66873				
PLOT DATE = 3/15/2013		DATE -	REVISED -			3 ILLINOIS FED. AID PROJECT				

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

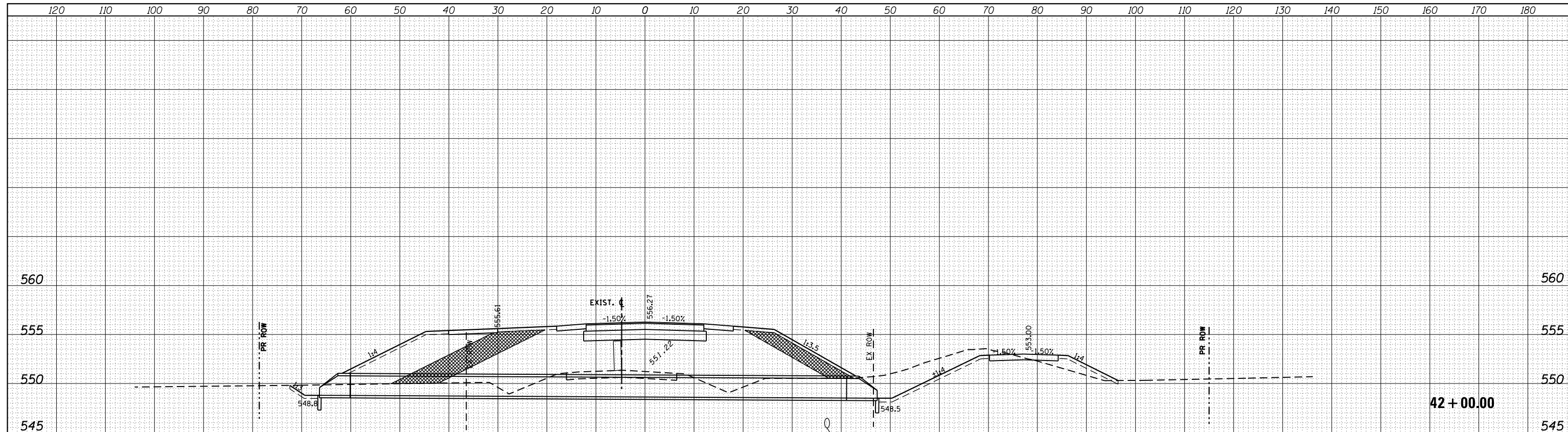


EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw\work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISIED -		80	(32,47-4)HBR-2	GRUNDY	143	114		
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -		SCALE: SHEET NO. OF SHEETS STA. 40+71.028 TO STA. 41+00.00		CONTRACT NO. 66873		3 ILLINOIS FED. AID PROJECT		
PLOT DATE = 3/15/2013	DATE -	REVISIED -	REVISIED -								

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

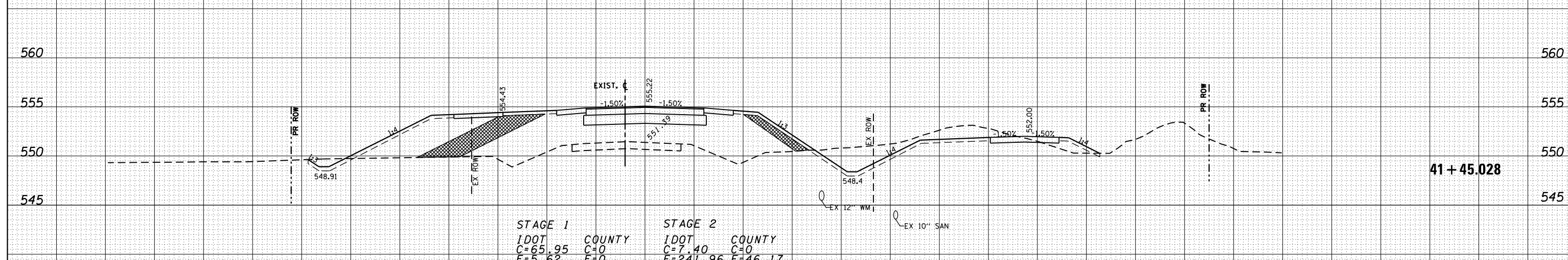
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STAGE 1
 IDOT COUNTY
 C=58.8 C=0
 F=9.17 F=0

STAGE 2
 IDOT COUNTY
 C=8.53 C=0
 F=354.61 F=74.82

 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

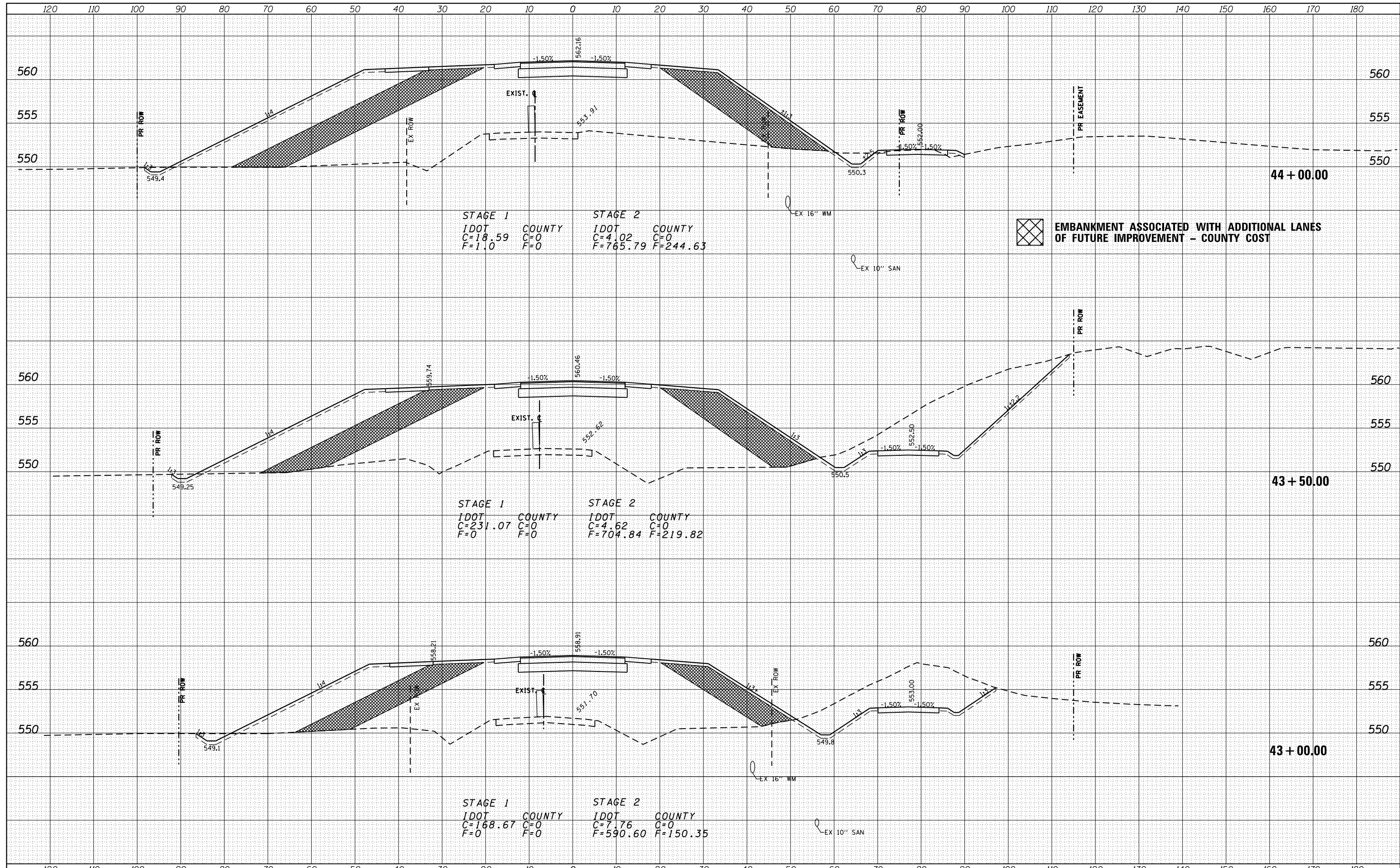


STAGE 1
 IDOT COUNTY
 C=65.95 C=0
 F=5.62 F=0

STAGE 2
 IDOT COUNTY
 C=7.40 C=0
 F=241.96 F=46.17

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



STAGE 1 STAGE 2
 IDOT COUNTY IDOT COUNTY
 C=18.59 C=0 C=4.02 C=0
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 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

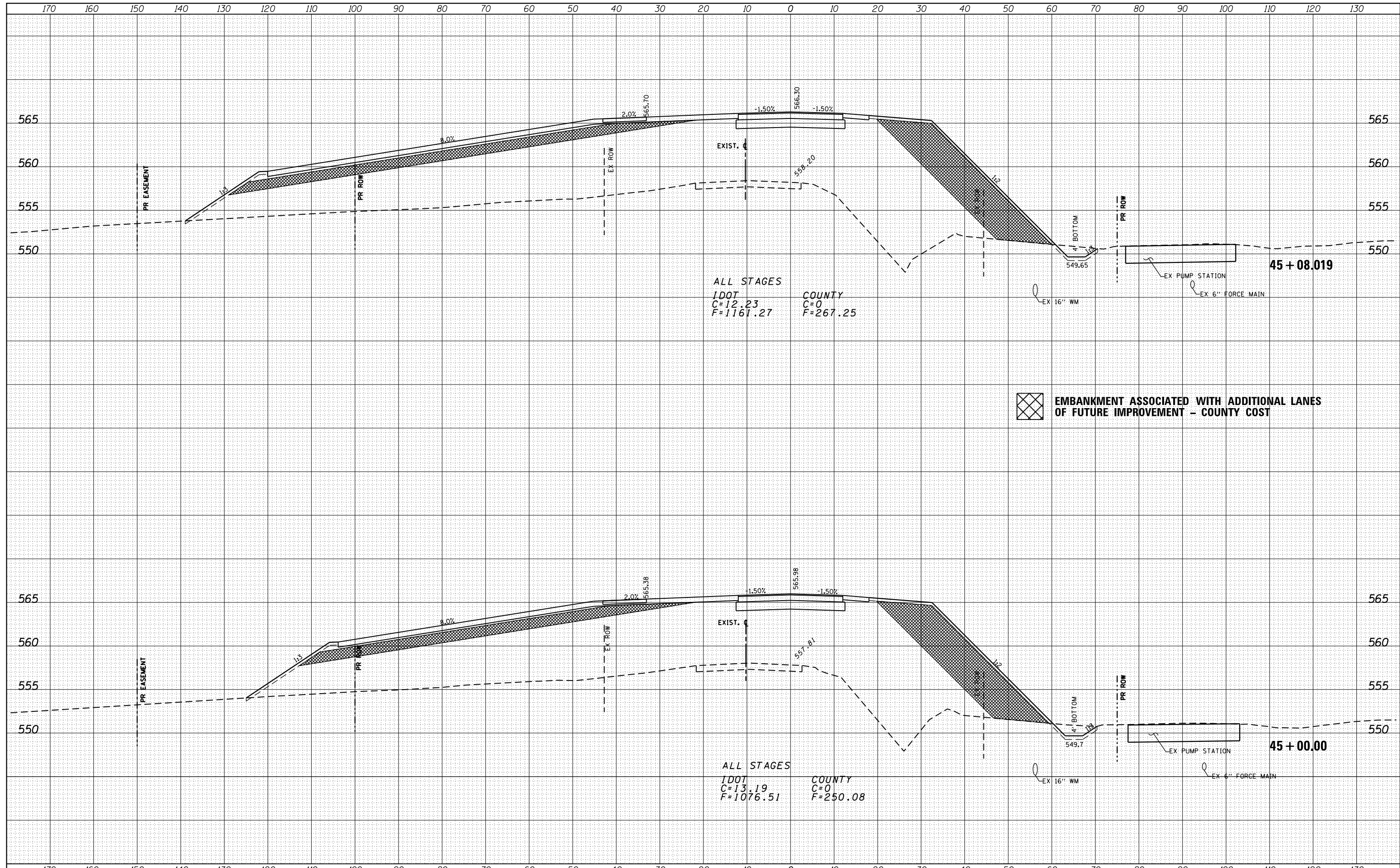
STAGE 1 STAGE 2
 IDOT COUNTY IDOT COUNTY
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 F=0 F=0 F=704.84 F=219.82

STAGE 1 STAGE 2
 IDOT COUNTY IDOT COUNTY
 C=168.67 C=0 C=7.76 C=0
 F=0 F=0 F=590.60 F=150.35

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD			F.A.I. RTE. 80	SECTION (32,47-4)HBR-2	COUNTY GRUNDY	TOTAL SHEETS 143	SHEET NO. 116
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		CHECKED -	REVISED -		3 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

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

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

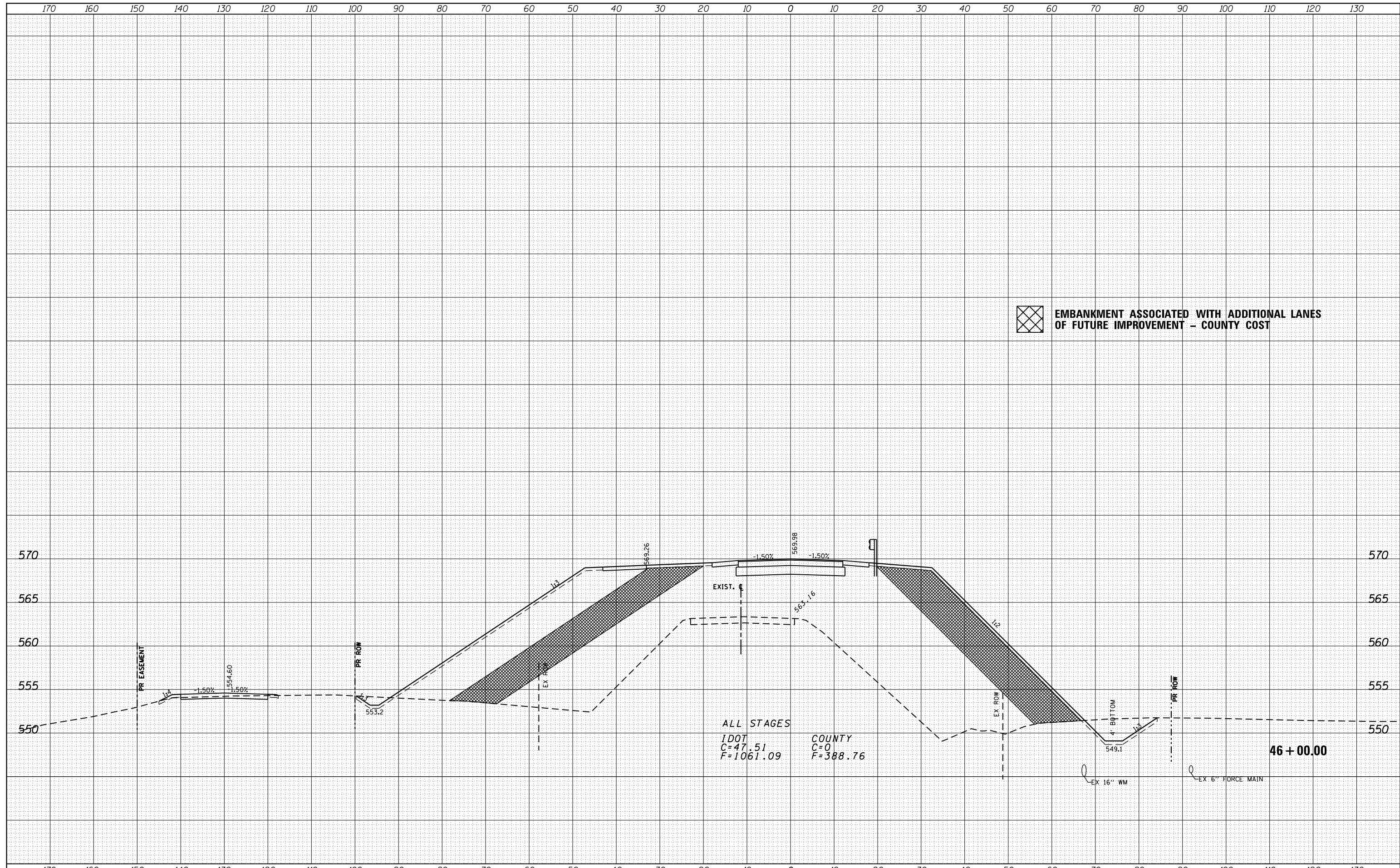


 **EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST**

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\pw_work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	80	(32,47-4)HBR-2	GRUNDY	143	117
		CHECKED -	REVISED -		STA. 45+00.00	TO STA. 45+08.019			CONTRACT NO. 66873			
		DATE -	REVISED -		3 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



 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

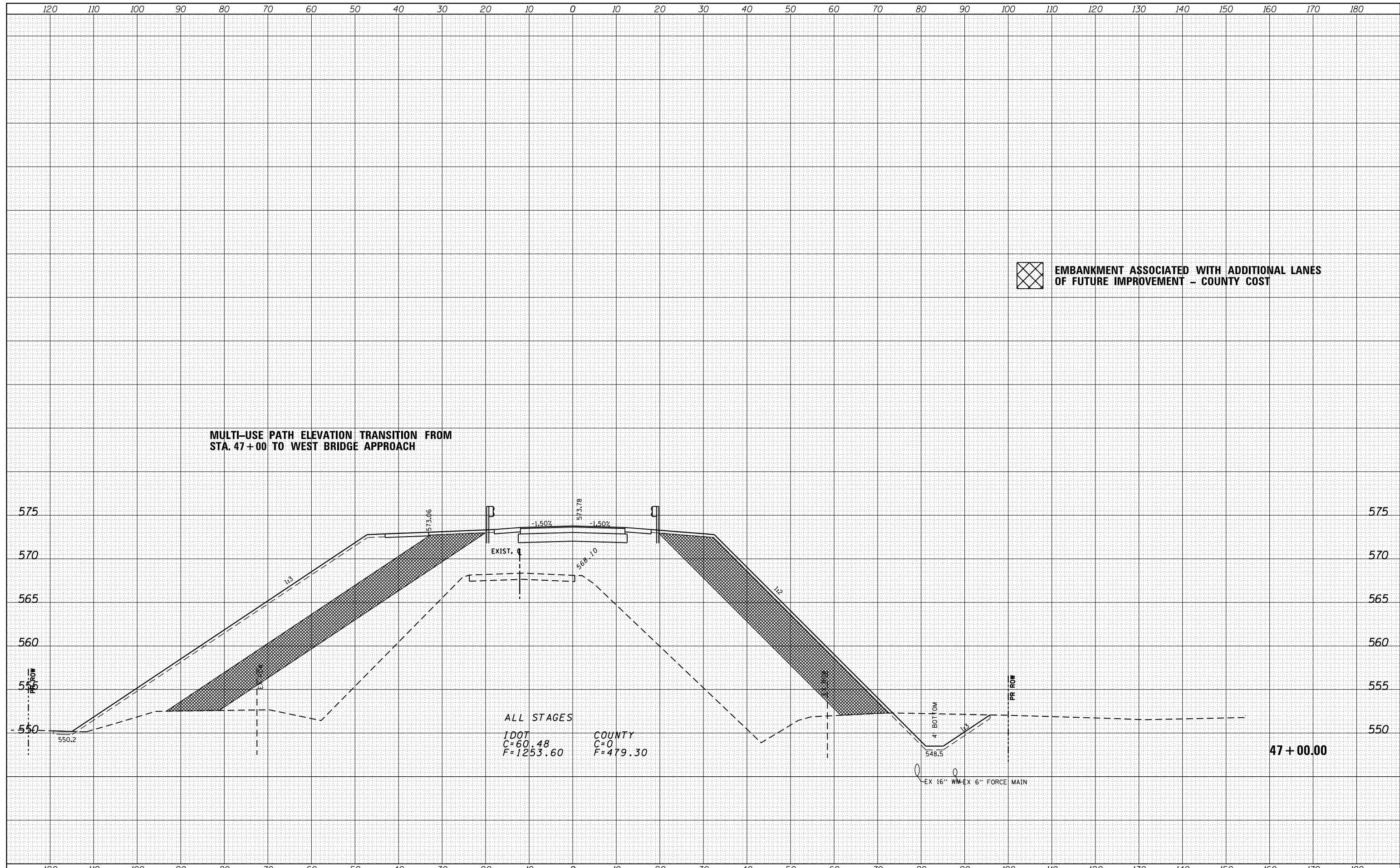
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46 + 00.00

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION MINOOKA ROAD	SCALE: SHEET NO. OF SHEETS STA. 46+00.00 TO STA. 46+00.00	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p\wdot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISIED -			80	(32,47-4)HBR-2	GRUNDY	143	118
PLOT SCALE = 20.0000 ' / in.		CHECKED -	REVISIED -			CONTRACT NO. 66873				
PLOT DATE = 3/15/2013		DATE -	REVISIED -			3 ILLINOIS FED. AID PROJECT				

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

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



 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

MULTI-USE PATH ELEVATION TRANSITION FROM STA. 47+00 TO WEST BRIDGE APPROACH

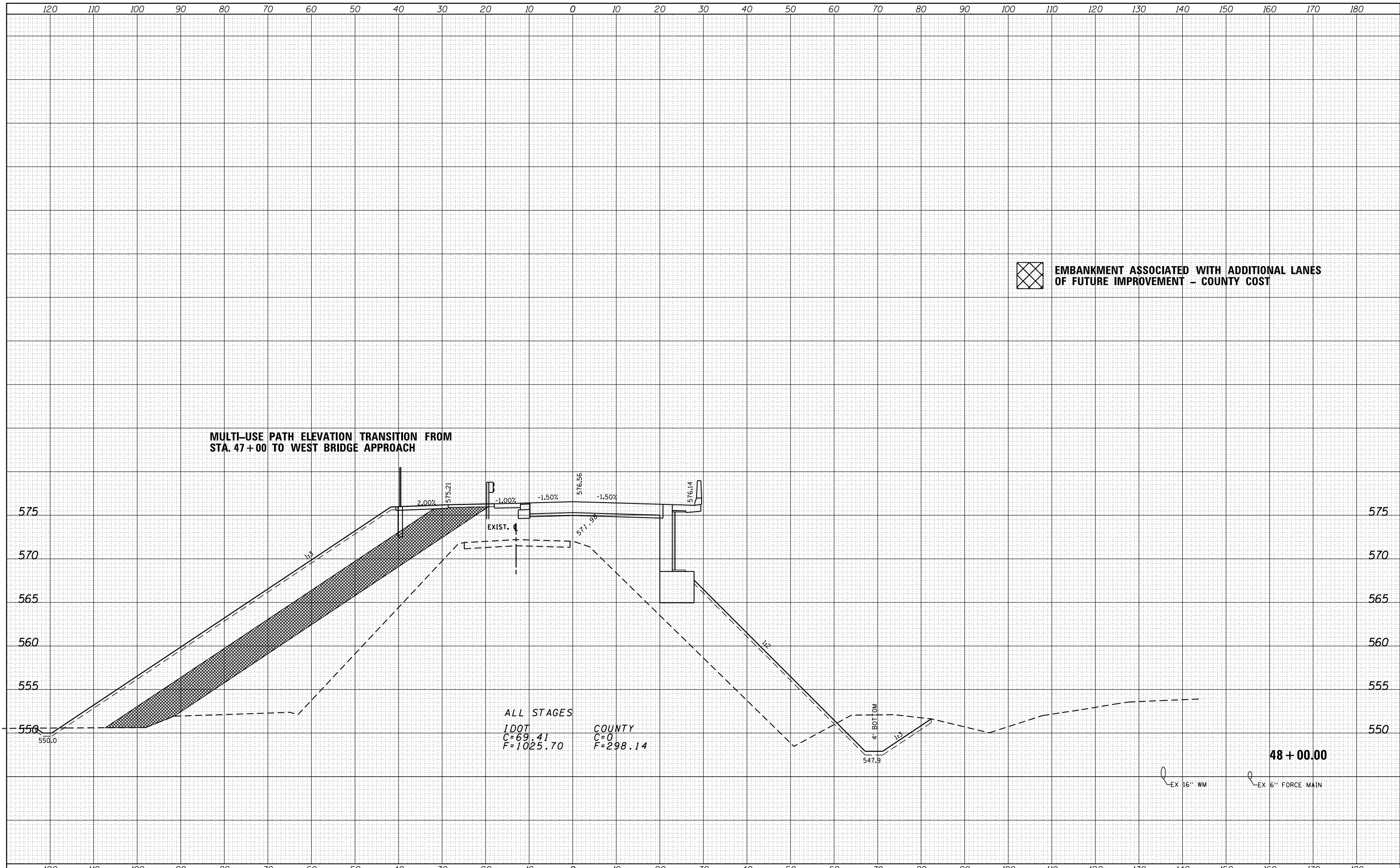
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 COUNTY C=0 F=479.30

47+00.00

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD			F.A.I. RTE. 80	SECTION (32,47-4)HBR-2	COUNTY GRUNDY	TOTAL SHEETS 143	SHEET NO. 119
es:\pw\work\p\dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 47+00.00	TO STA. 47+00.00	CONTRACT NO. 66873		
		CHECKED -	REVISED -		3 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

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

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



 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

MULTI-USE PATH ELEVATION TRANSITION FROM STA. 47+00 TO WEST BRIDGE APPROACH

ALL STAGES
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 COUNTY C=0 F=298.14

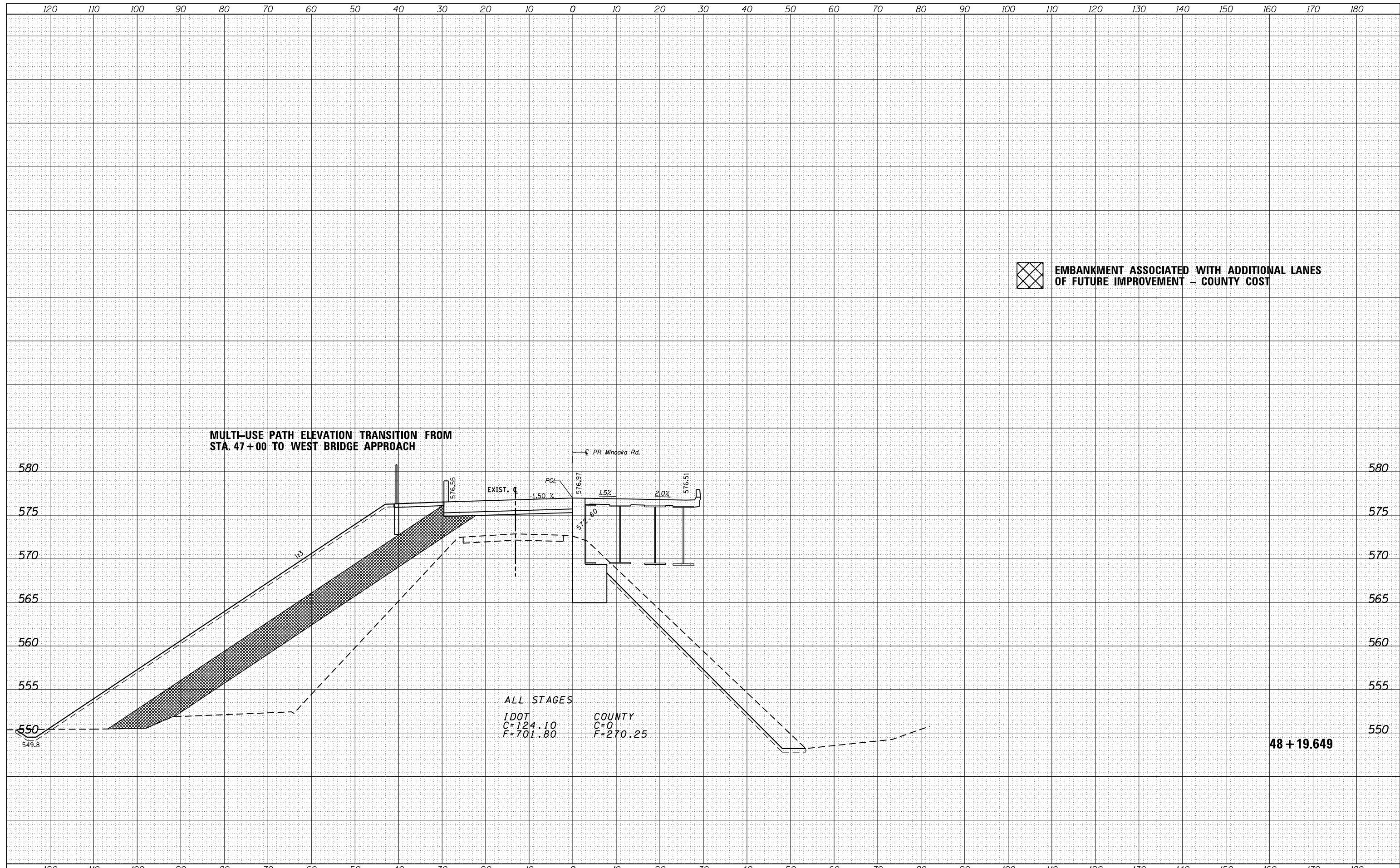
48 + 00.00

EX 16" WM EX 6" FORCE MAIN

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -		80	(32,47-4)HBR-2	GRUNDY	143	120			
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 48+00.00 TO STA. 48+00.00			CONTRACT NO. 66873				
PLOT DATE = 3/15/2013		DATE -	REVISED -		3 ILLINOIS FED. AID PROJECT							

DATE	
BY	
SURVEYED	
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TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

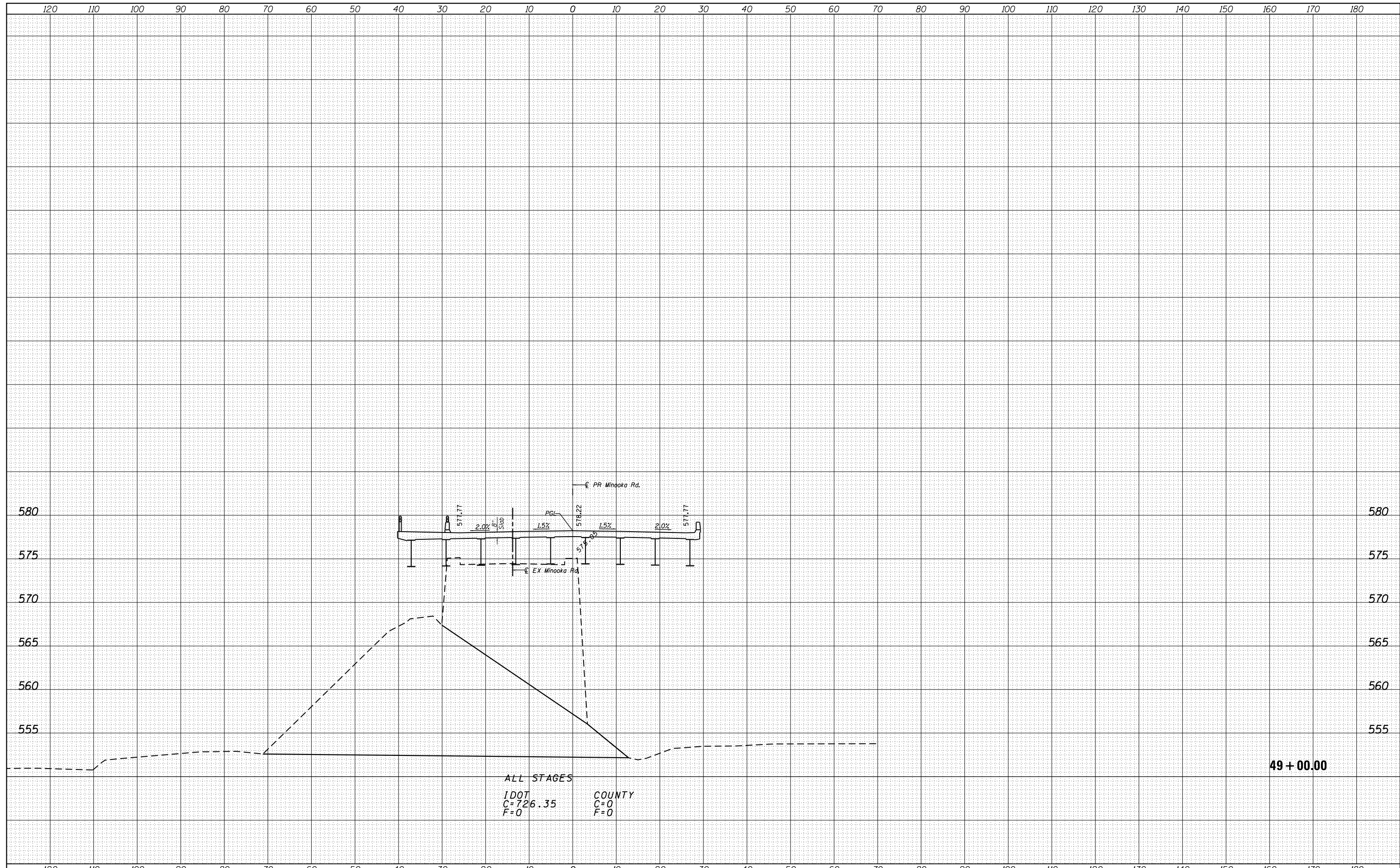
MULTI-USE PATH ELEVATION TRANSITION FROM STA. 47+00 TO WEST BRIDGE APPROACH

ALL STAGES
 IDOT C=124.10 F=701.80
 COUNTY C=0 F=270.25

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -		80	(32,47-4)HBR-2	GRUNDY	143	121		
	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66873						
	PLOT DATE = 3/15/2013	DATE -	REVISED -		3 ILLINOIS FED. AID PROJECT						

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
NO.	

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PLOTTED	
TEMPLATE	
AREAS	
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ORIGINAL SURVEY	
NOTE BOOK	
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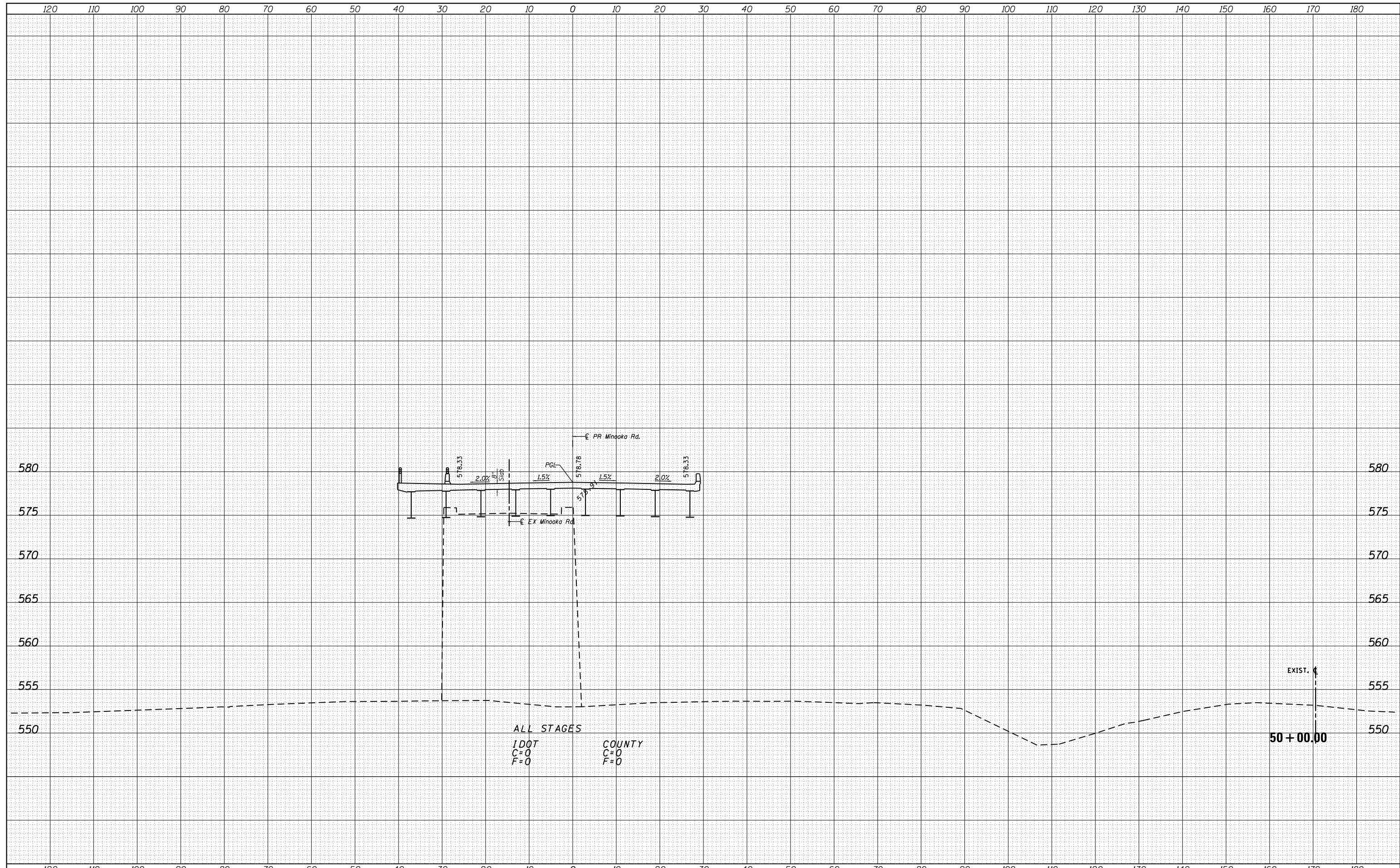
ALL STAGES
 IDOT
 C=726.35 COUNTY
 F=0 C=0
 F=0

49 + 00.00

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw\work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -			80	(32,47-4)HBR-2	GRUNDY	143	122
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 66873		3 ILLINOIS FED. AID PROJECT		
PLOT DATE = 3/15/2013		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. 49+00.00 TO STA. 49+00.00		

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
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ORIGINAL SURVEY NO.	
SURVEYED	
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TEMPLATE	
AREAS CHECKED	

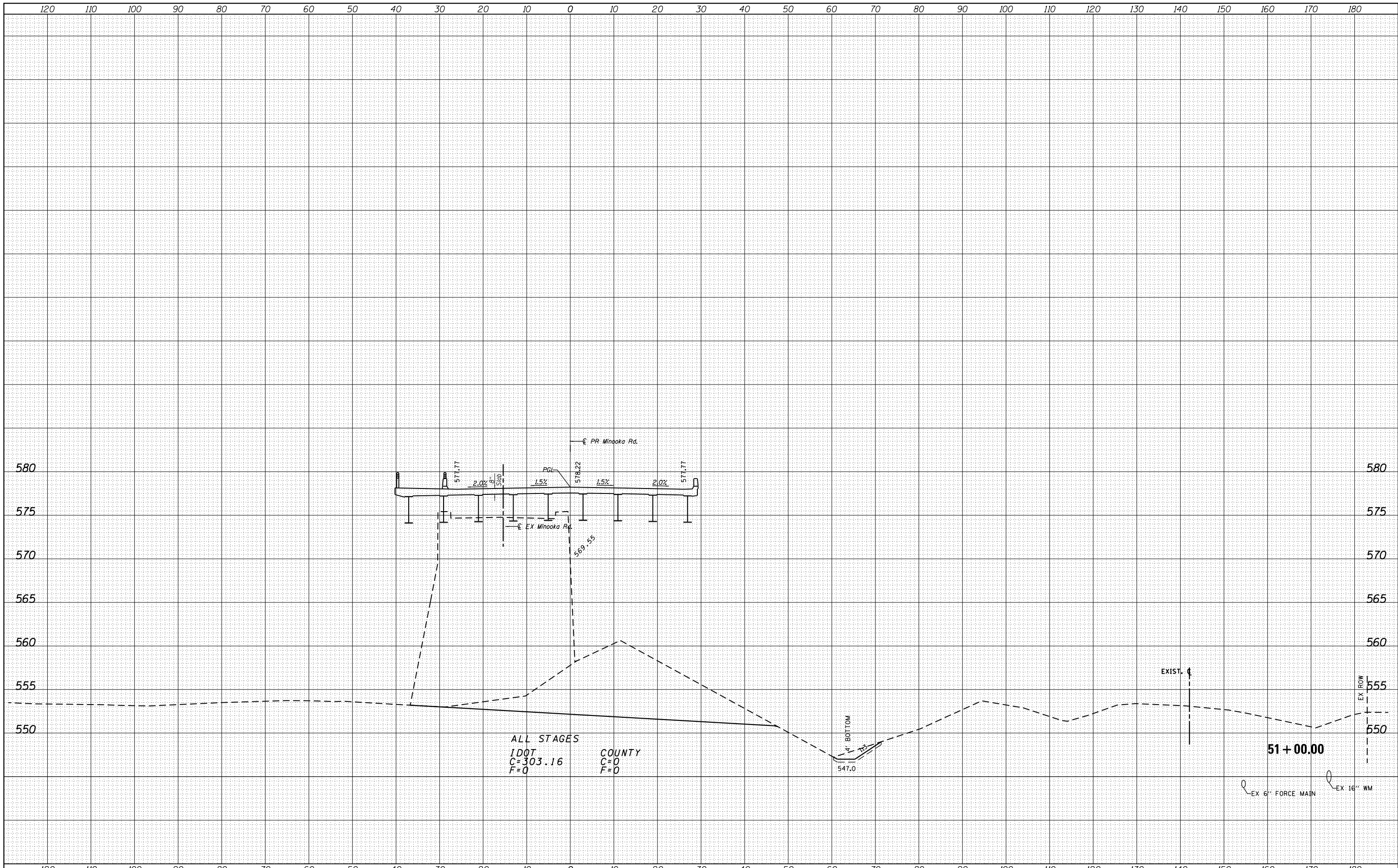


ALL STAGES
 IDOT C=0 F=0
 COUNTY C=0 F=0

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD	SCALE:	SHEET NO. OF SHEETS	STA. 50+00.00 TO STA. 50+00.00	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\dot\tduncanbd\dms58037\ep01904-SH-T-final-XS.dgn		DRAWN -	REVISED -						80	(32,47-4)HBR-2	GRUNDY	143	123
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -						CONTRACT NO. 66873				
PLOT DATE = 3/15/2013		DATE -	REVISED -						3 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



ALL STAGES
 IDOT C=303.16 COUNTY C=0
 F=0 F=0

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -
es:\pw_work\p1\dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

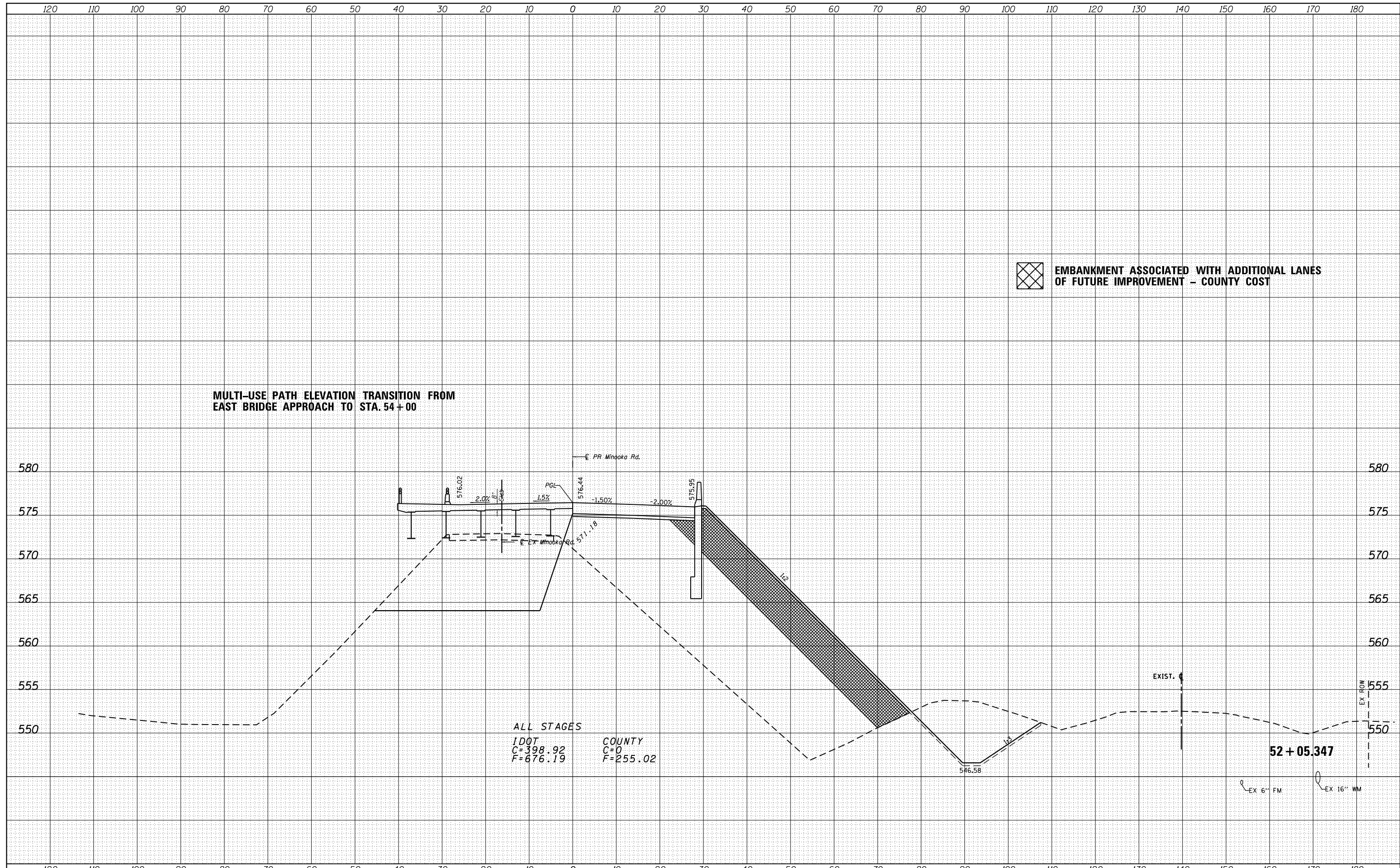
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MINOOKA ROAD			
SCALE:	SHEET NO.	OF SHEETS	STA. 51+00.00 TO STA. 51+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(32,47-4)HBR-2	GRUNDY	143	124
			CONTRACT NO. 66873	
3 ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
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TEMPLATE	
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CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

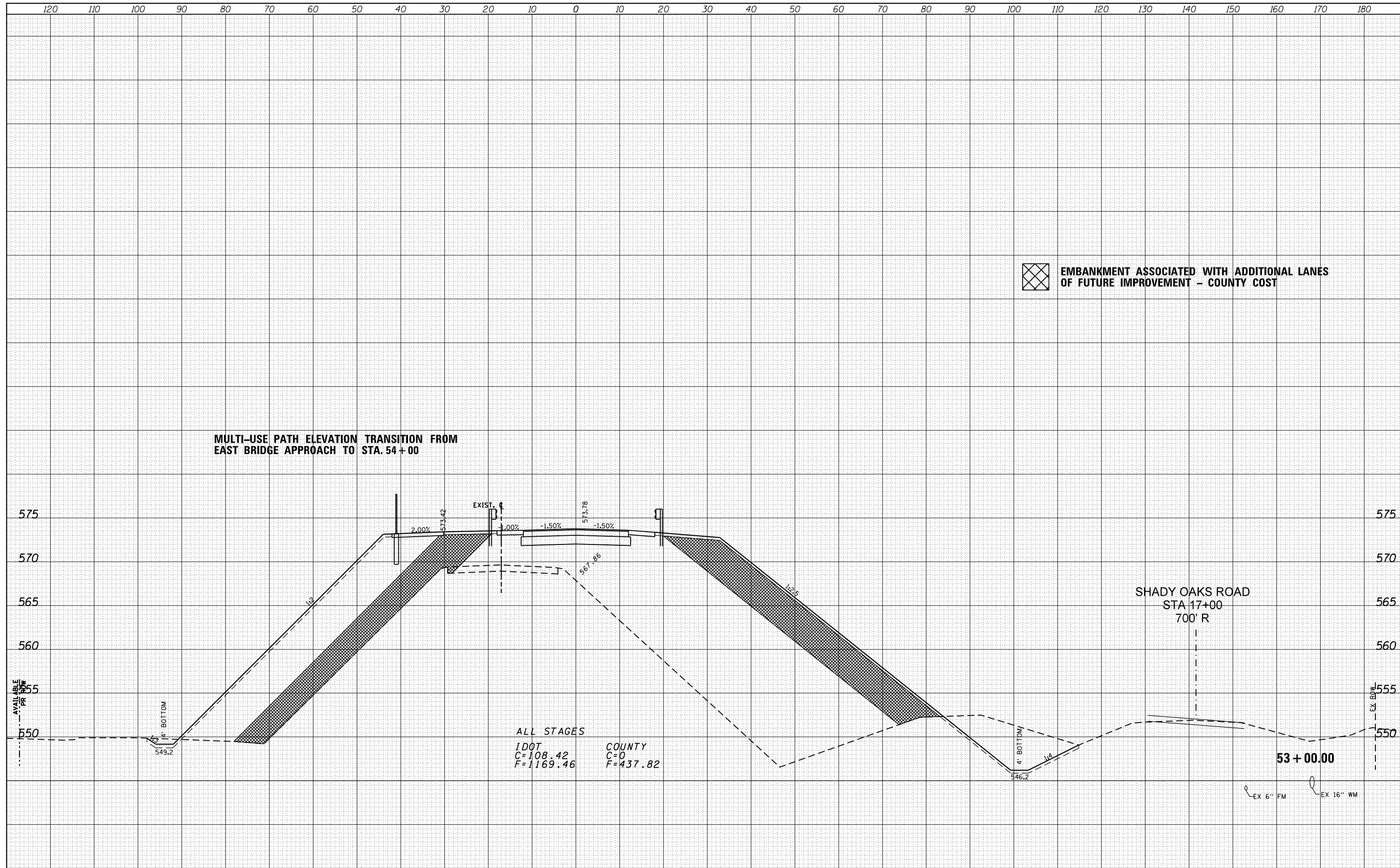
MULTI-USE PATH ELEVATION TRANSITION FROM EAST BRIDGE APPROACH TO STA. 54+00

ALL STAGES
 IDOT
 C=398.92
 F=676.19
 COUNTY
 C=0
 F=255.02

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
c:\pwork\pwork\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 52+05.347	TO STA. 52+05.347	80	(32,47-4)HBR-2	GRUNDY	143	126
		CHECKED -	REVISED -										CONTRACT NO. 66873		
		DATE -	REVISED -										3 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



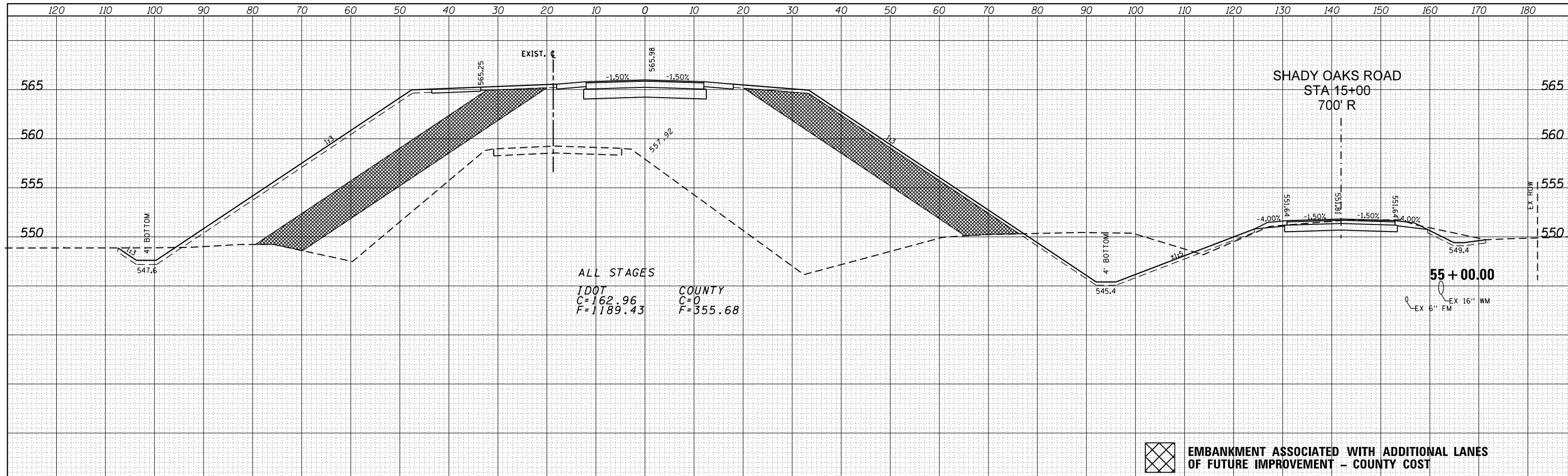
MULTI-USE PATH ELEVATION TRANSITION FROM EAST BRIDGE APPROACH TO STA. 54 + 00

 **EMBAKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST**

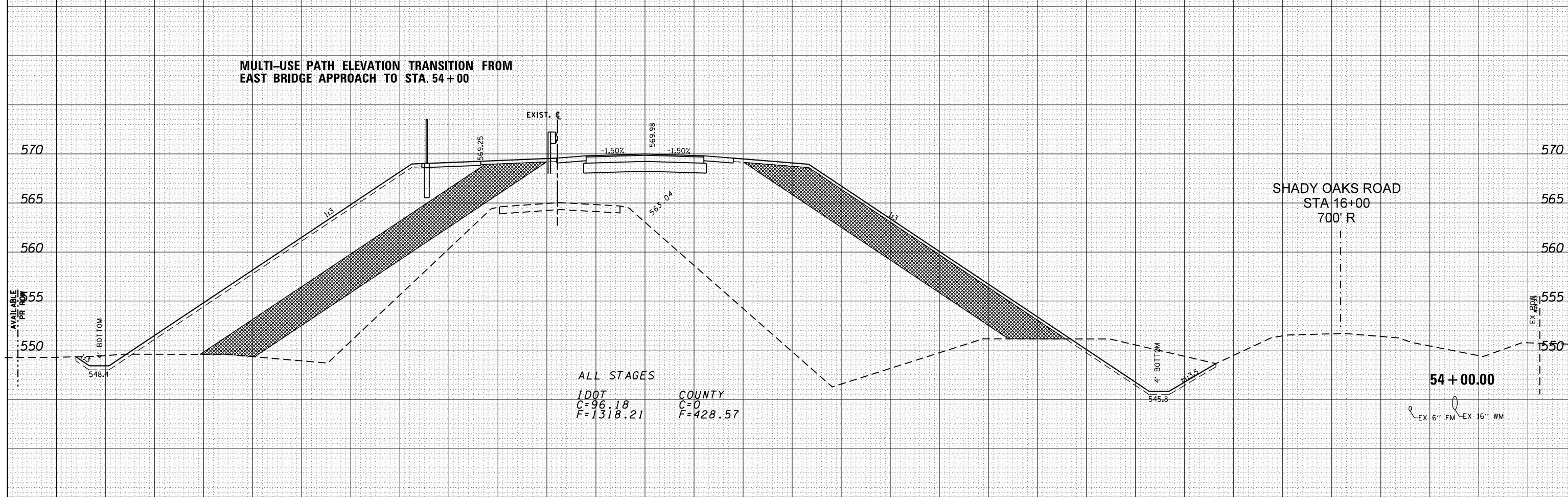
ALL STAGES
 IDOT C=108.42 F=1169.46
 COUNTY C=0 F=437.82

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
cs:\pw_work\pwork\tduncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 53+00.00	TO STA. 53+00.00	80	(32,47-4)HBR-2	GRUNDY	143	127
		CHECKED -	REVISED -										CONTRACT NO. 66873		
		DATE -	REVISED -										3 ILLINOIS FED. AID PROJECT		

DATE	
BY	
FINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

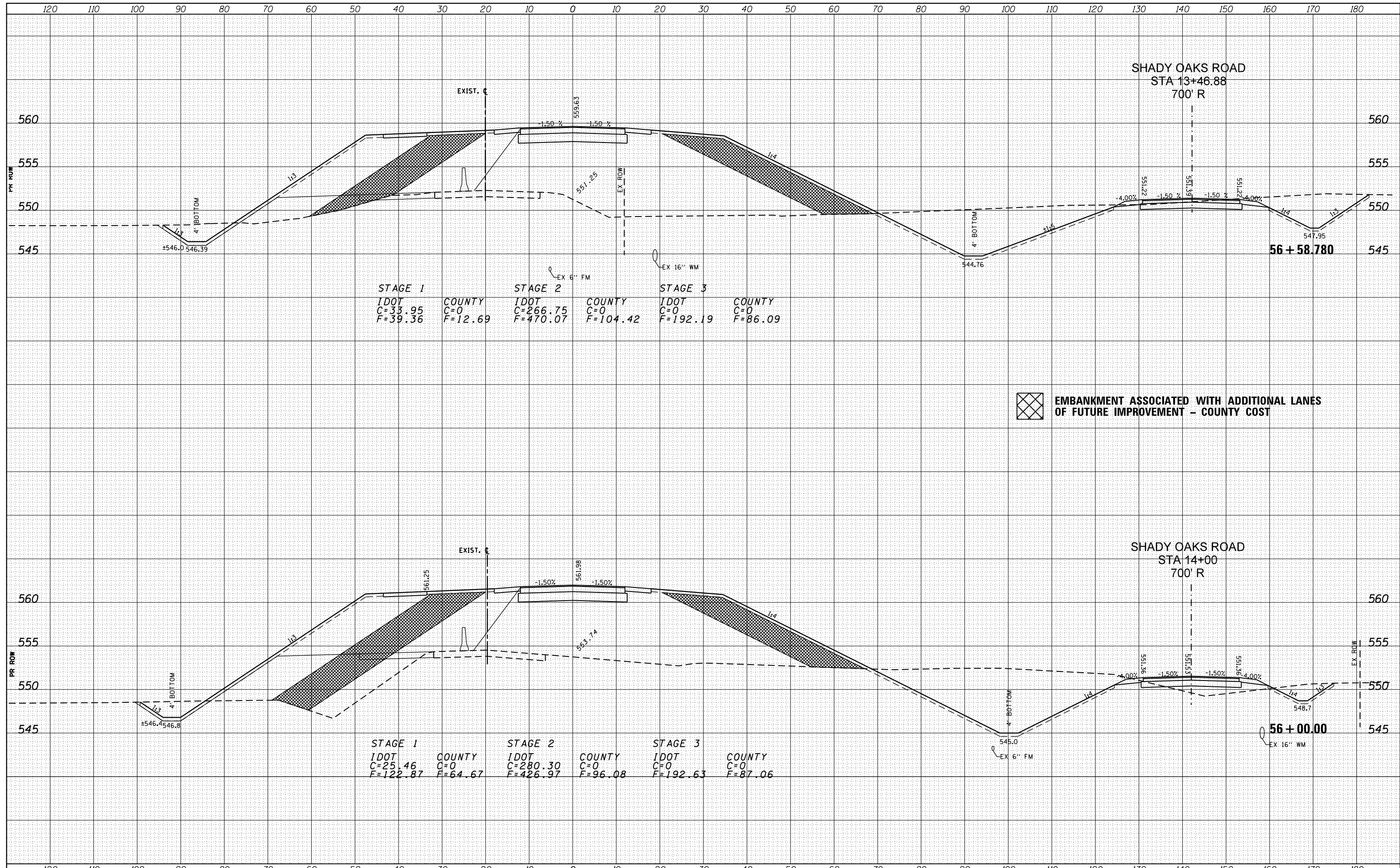


DATE	
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SURVEYED	
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NOTE BOOK	
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AREAS CHECKED	



DATE	
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DATE	
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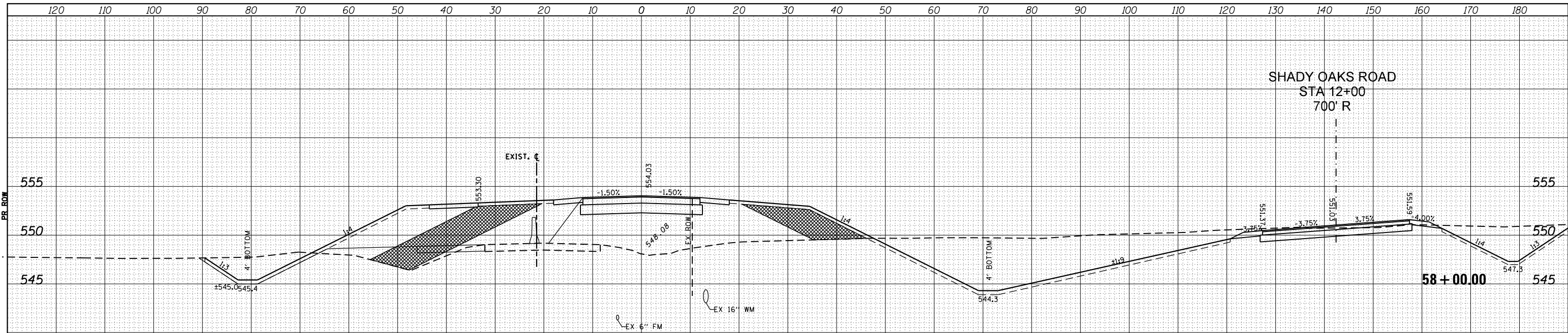


STAGE 1	COUNTY	STAGE 2	COUNTY	STAGE 3	COUNTY
IDOT C=33.95 F=39.36	C=0 F=12.69	IDOT C=266.75 F=470.07	C=0 F=104.42	IDOT C=0 F=192.19	C=0 F=86.09

STAGE 1	COUNTY	STAGE 2	COUNTY	STAGE 3	COUNTY
IDOT C=25.46 F=122.87	C=0 F=64.67	IDOT C=280.30 F=426.97	C=0 F=96.08	IDOT C=0 F=192.63	C=0 F=87.06

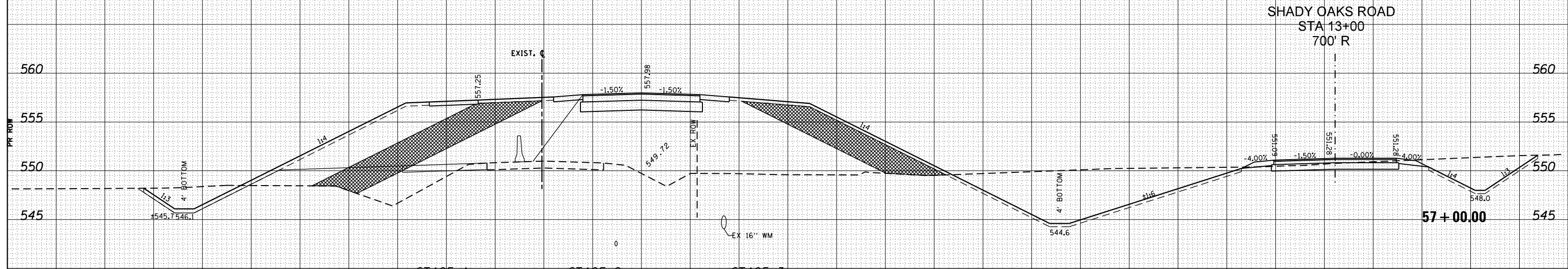
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FINAL	
SURVEY	
NOTE BOOK	
NO.	

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



STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=43.50	C=0	C=352.65	C=0	C=0	C=0
F=12.96	F=18.85	F=175.38	F=38.36	F=120.30	F=56.73

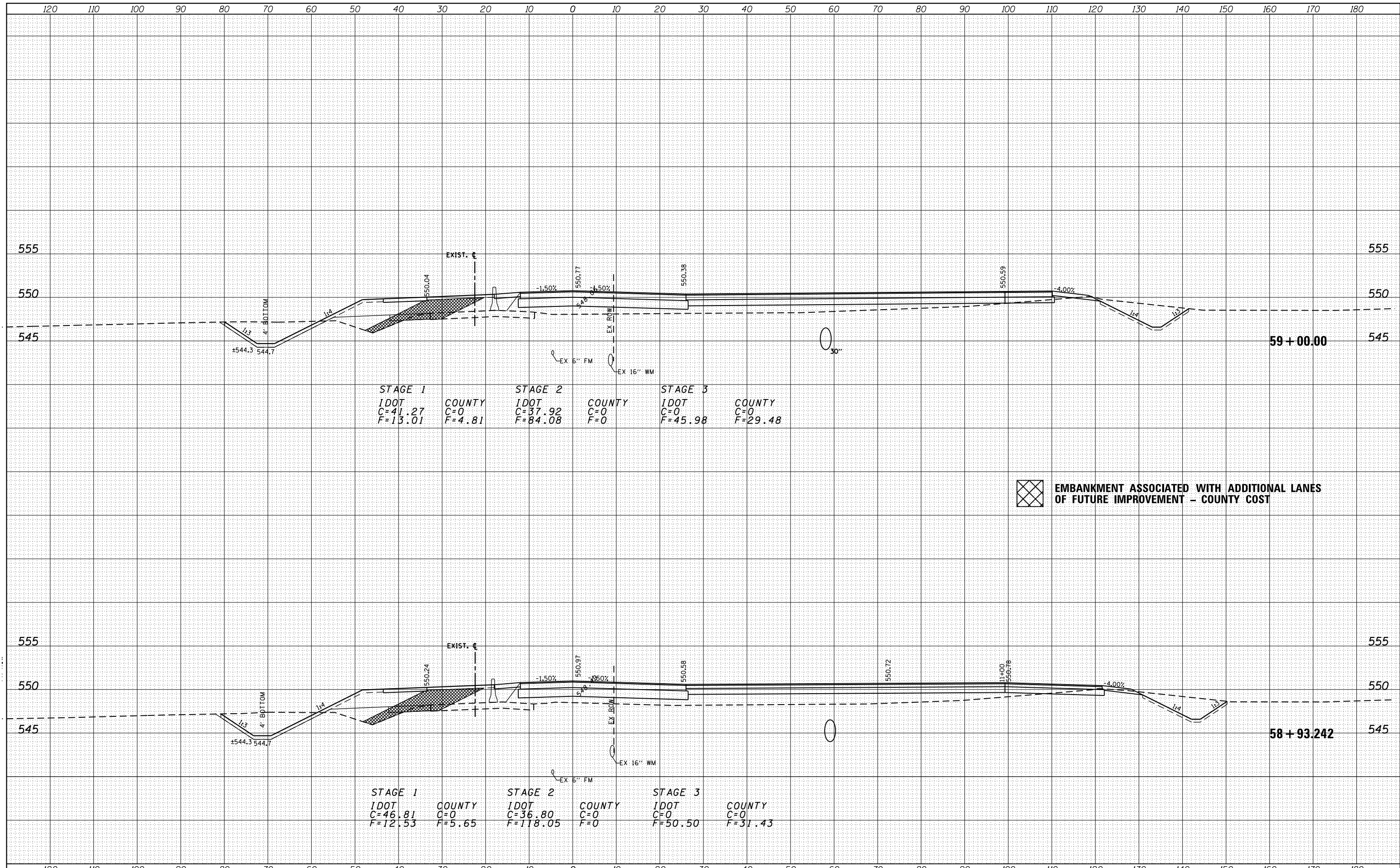
 **EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST**



STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=38.39	C=0	C=268.80	C=0	C=0	C=0
F=56.70	F=26.78	F=370.54	F=84.55	F=237.48	F=81.86

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



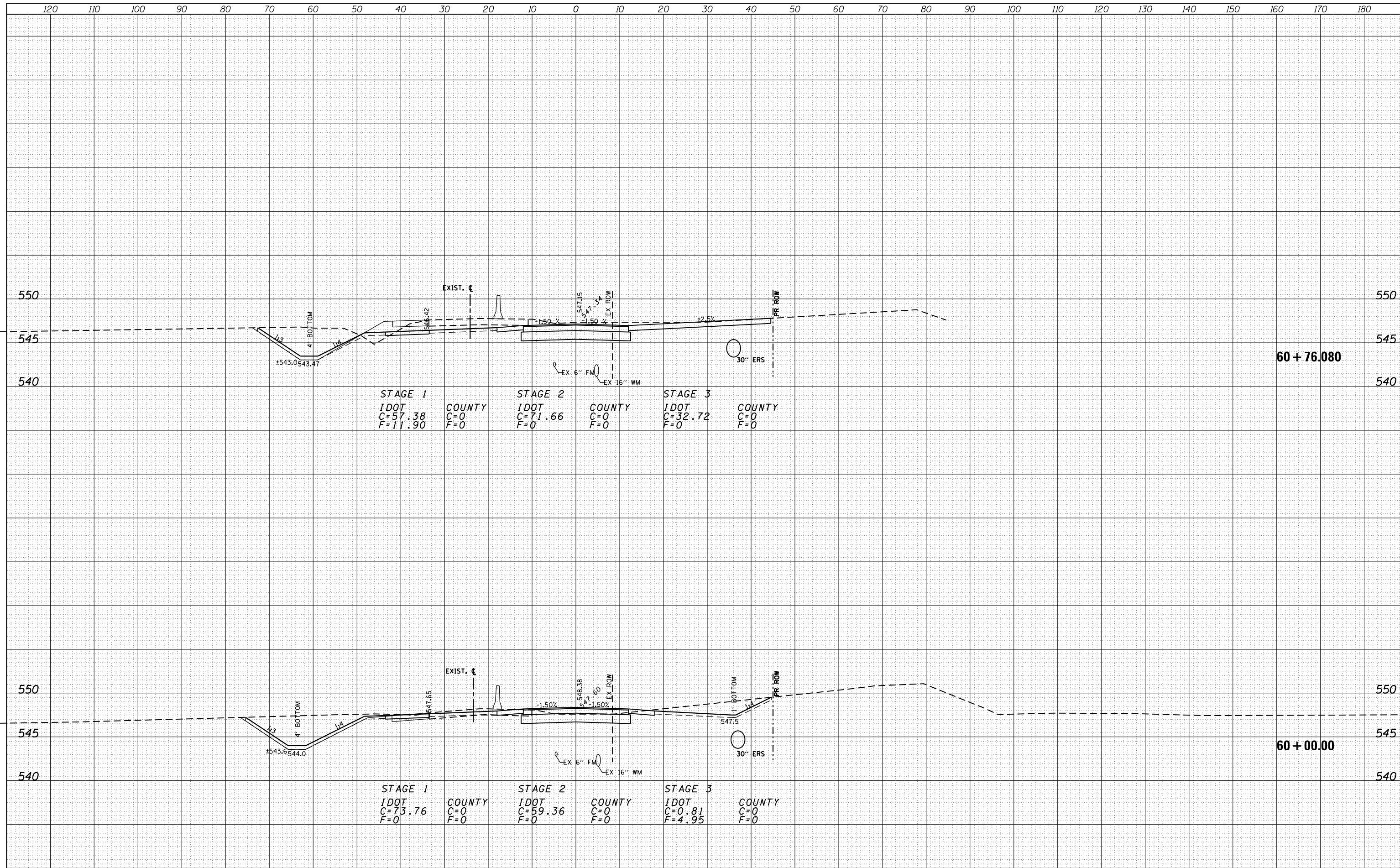
STAGE 1	COUNTY	STAGE 2	COUNTY	STAGE 3	COUNTY
IDOT	C=0	IDOT	C=0	IDOT	C=0
C=41.27	F=4.81	C=37.92	F=0	C=0	F=29.48
F=13.01		F=84.08		F=45.98	

 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

STAGE 1	COUNTY	STAGE 2	COUNTY	STAGE 3	COUNTY
IDOT	C=0	IDOT	C=0	IDOT	C=0
C=46.81	F=5.65	C=36.80	F=0	C=0	F=31.43
F=12.53		F=118.05		F=50.50	

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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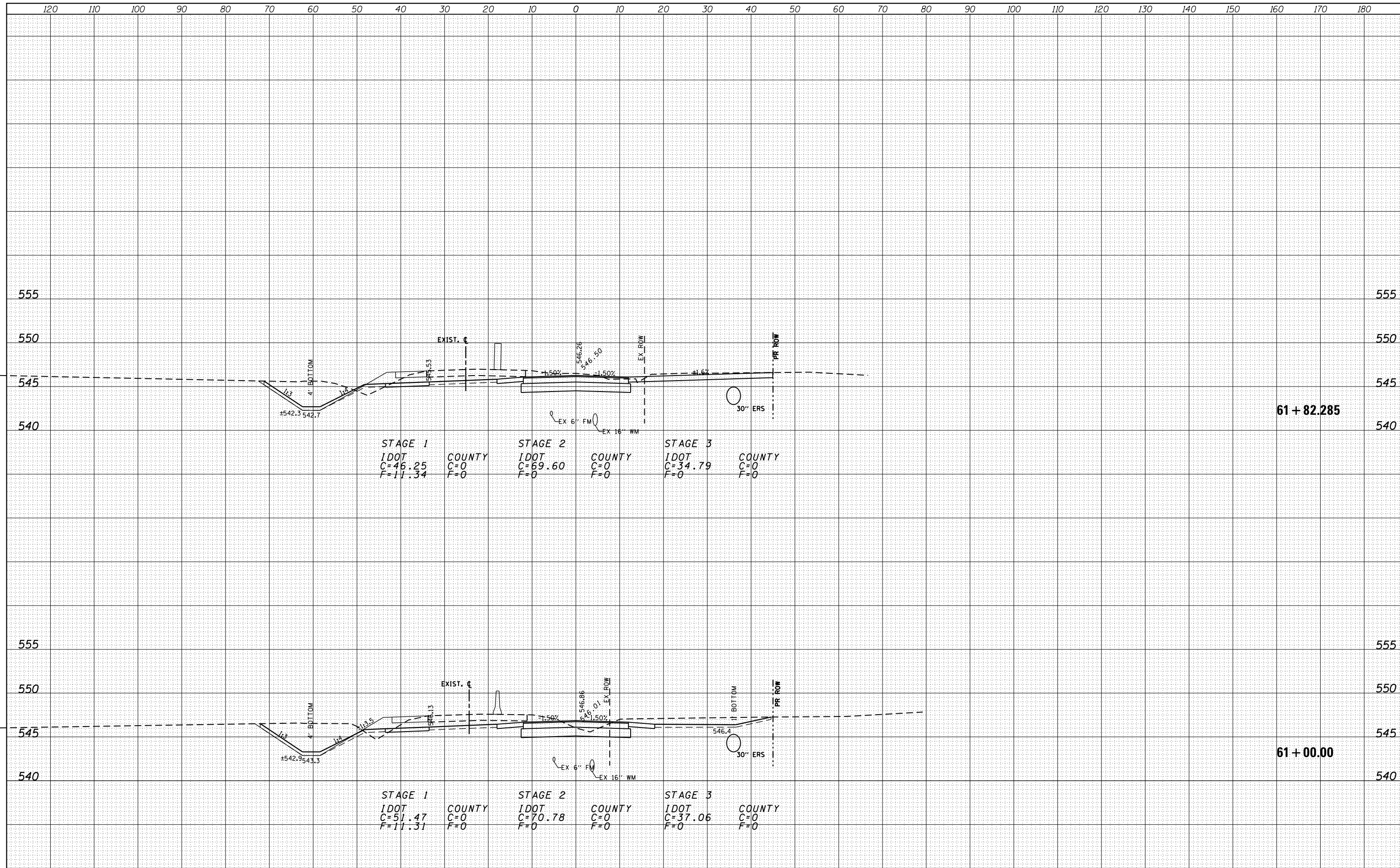


STAGE 1	COUNTY	STAGE 2	COUNTY	STAGE 3	COUNTY
IDOT	C=0	IDOT	C=0	IDOT	C=0
C=57.38	F=0	C=71.66	F=0	C=32.72	F=0
F=11.90					

STAGE 1	COUNTY	STAGE 2	COUNTY	STAGE 3	COUNTY
IDOT	C=0	IDOT	C=0	IDOT	C=0
C=73.76	F=0	C=59.36	F=0	C=0.81	F=0
F=0				F=4.95	

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

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



STAGE 1
 IDOT C=46.25 COUNTY C=0
 F=11.34 F=0

STAGE 2
 IDOT C=69.60 COUNTY C=0
 F=0 F=0

STAGE 3
 IDOT C=34.79 COUNTY C=0
 F=0 F=0

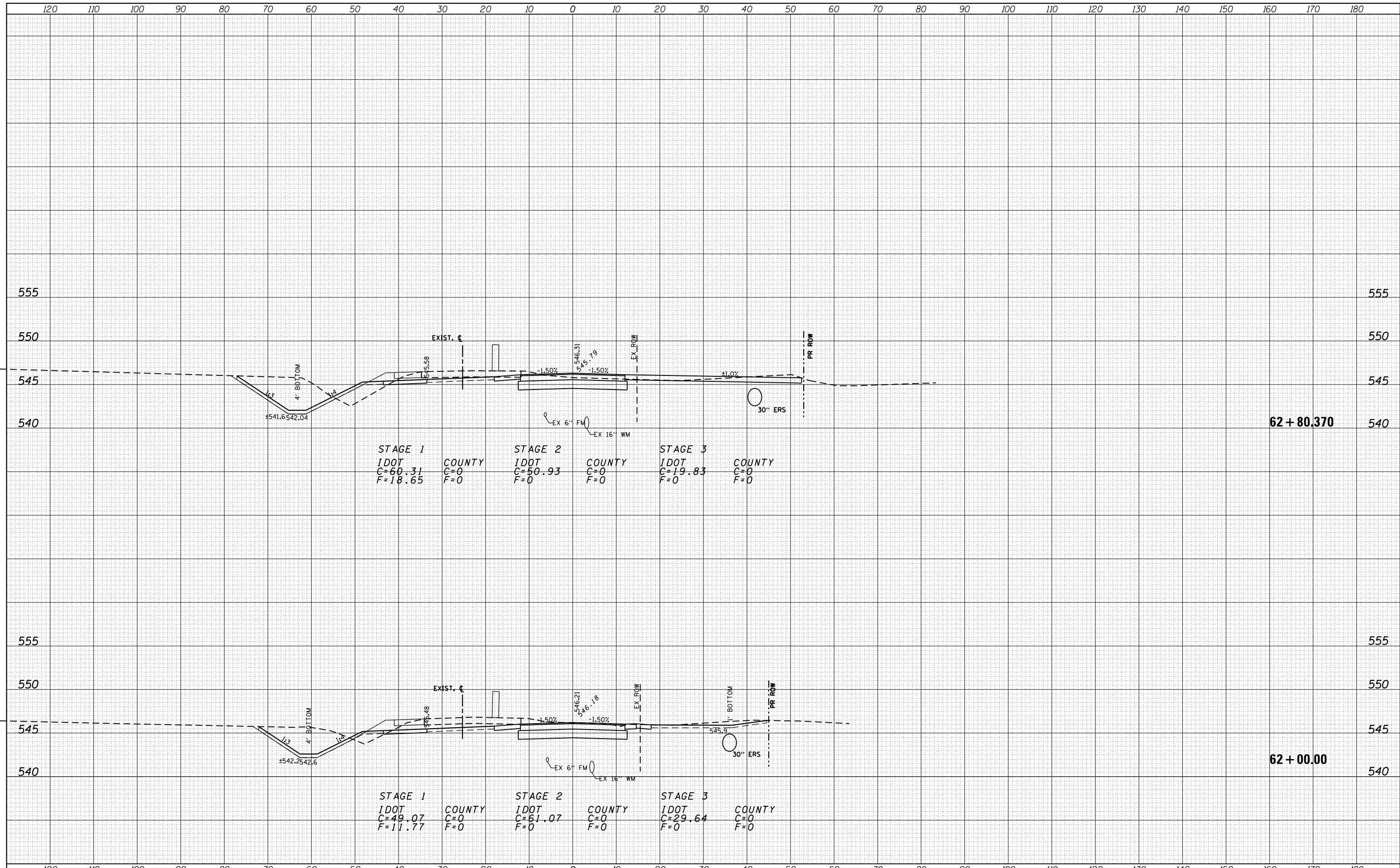
STAGE 1
 IDOT C=51.47 COUNTY C=0
 F=11.31 F=0

STAGE 2
 IDOT C=70.78 COUNTY C=0
 F=0 F=0

STAGE 3
 IDOT C=37.06 COUNTY C=0
 F=0 F=0

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

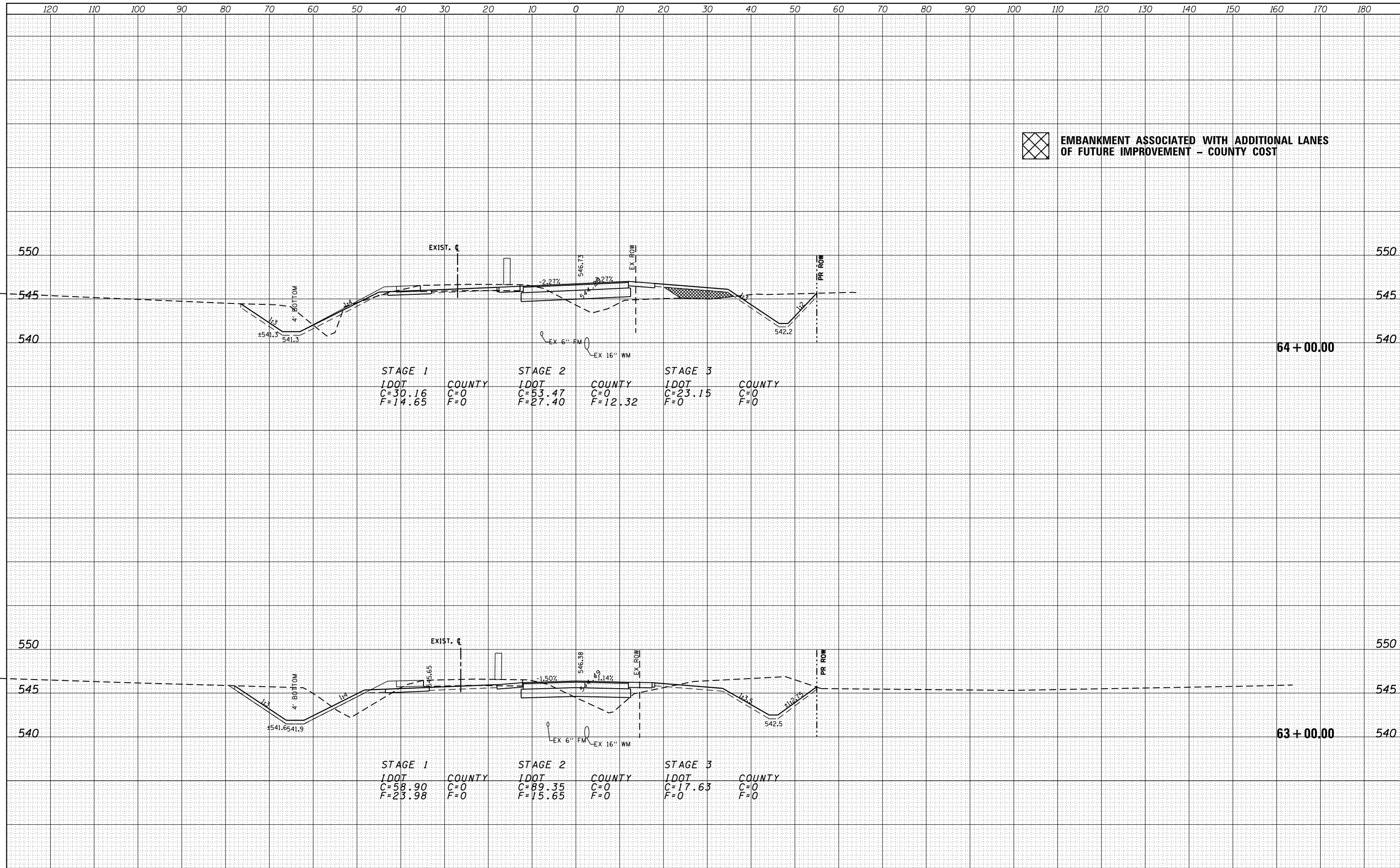
DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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FINAL SURVEY NOTE BOOK NO.	

DATE	
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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY NOTE BOOK NO.	

 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST



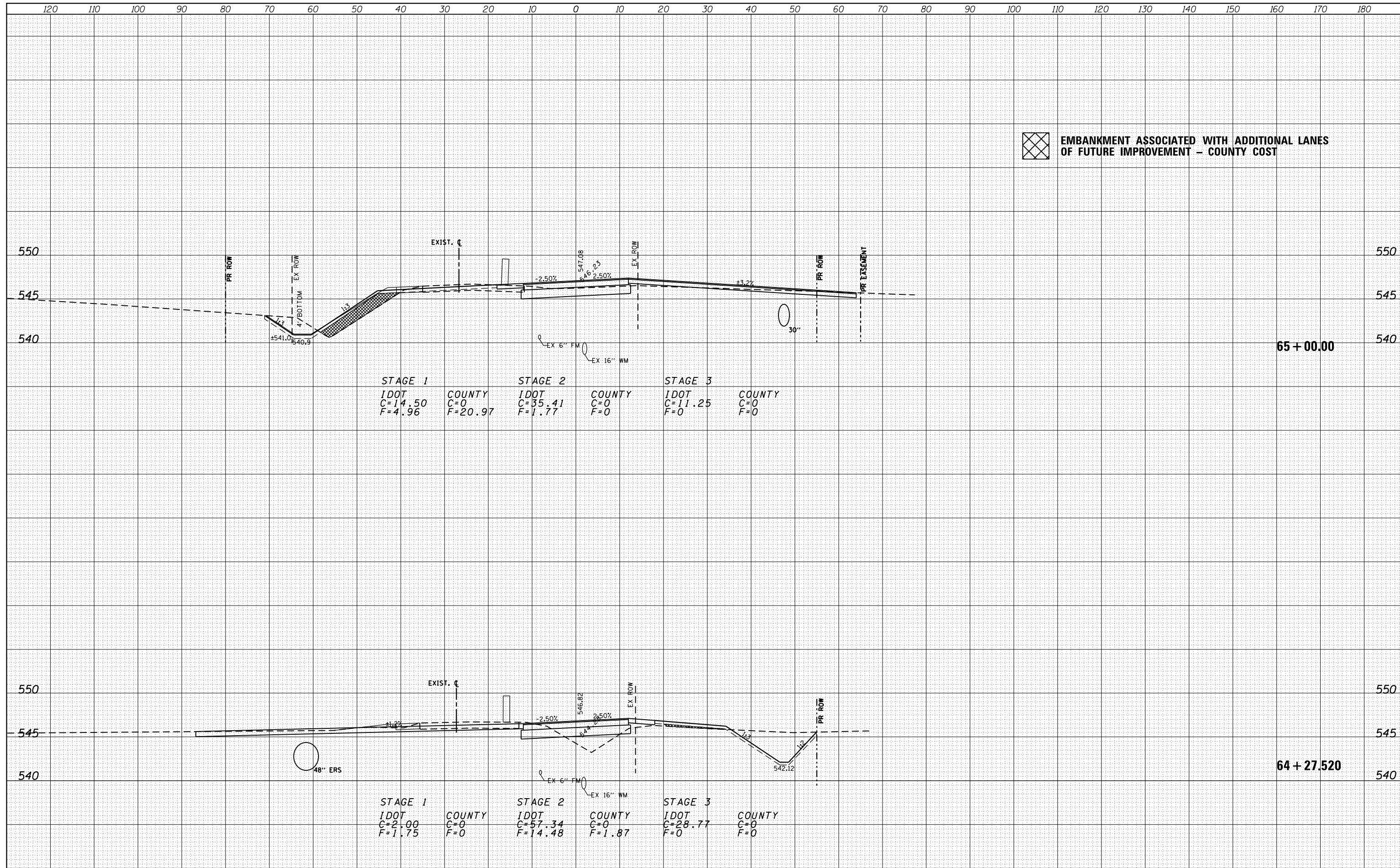
STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=30.16	C=0	C=53.47	C=0	C=23.15	C=0
F=14.65	F=0	F=27.40	F=12.32	F=0	F=0

STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=58.90	C=0	C=89.35	C=0	C=17.63	C=0
F=23.98	F=0	F=15.65	F=0	F=0	F=0

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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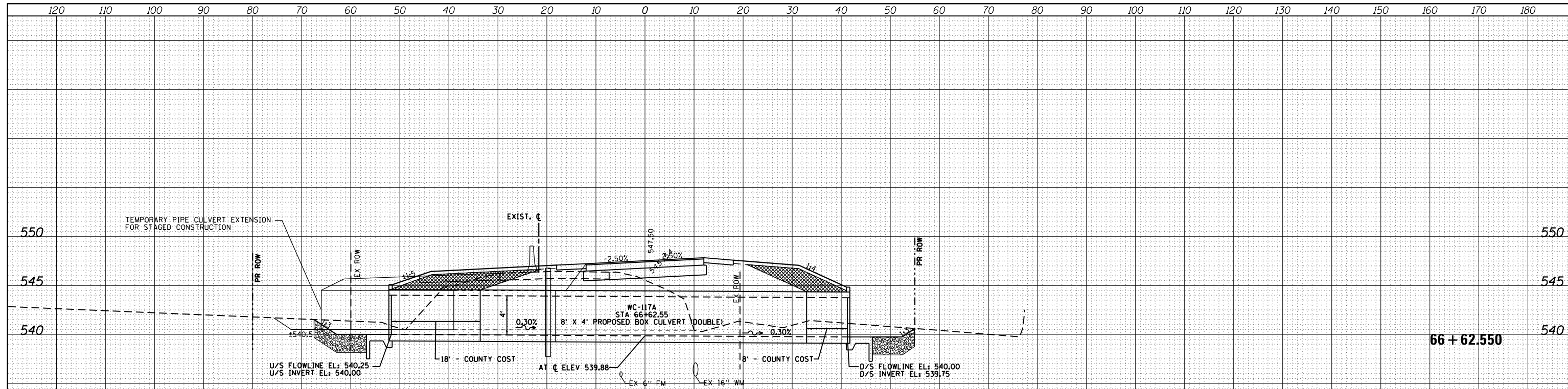
 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST



STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=14.50	C=0	C=35.41	C=0	C=11.25	C=0
F=4.96	F=20.97	F=1.77	F=0	F=0	F=0

STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=21.00	C=0	C=57.34	C=0	C=28.77	C=0
F=1.75	F=0	F=14.48	F=1.87	F=0	F=0

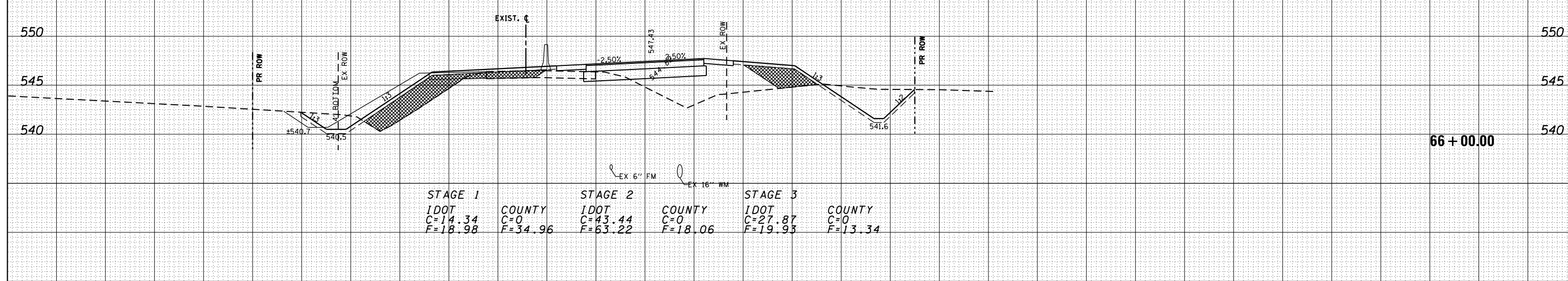
DATE	
BY	
FINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=10.72	C=0	C=77.86	C=0	C=38.53	C=0
F=19.00	F=8.55	F=55.92	F=22.33	F=27.94	F=60.07

 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

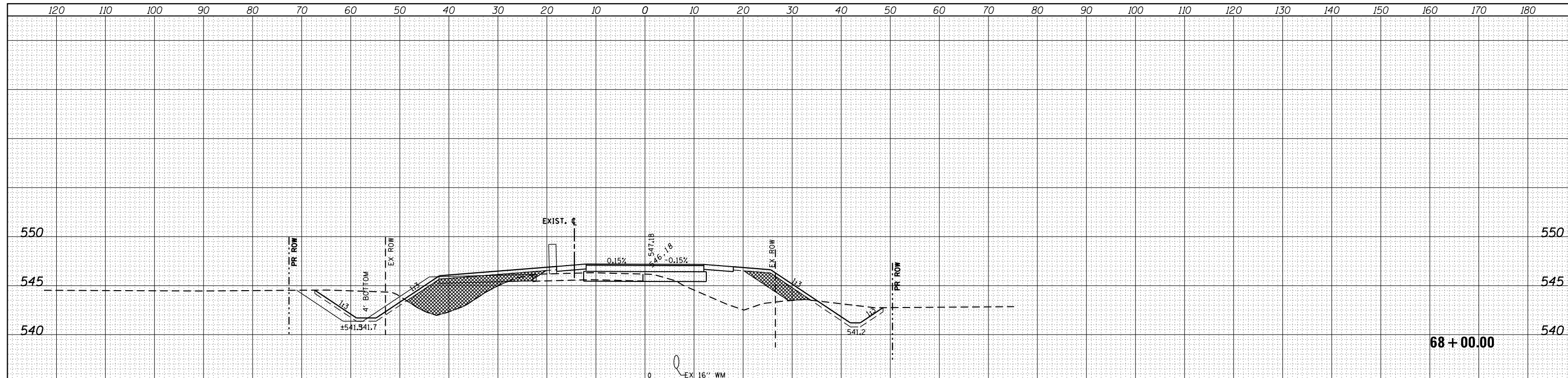
DATE	
BY	
ORIGINAL SURVEY	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=14.34	C=0	C=43.44	C=0	C=27.87	C=0
F=18.98	F=34.96	F=63.22	F=18.06	F=19.93	F=13.34

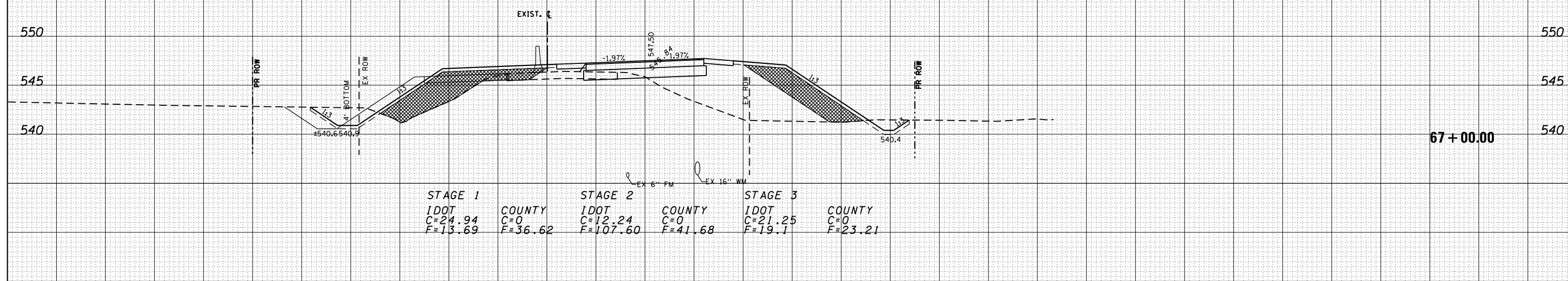
DATE	
BY	
FINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=40.16	C=0	C=23.98	C=0	C=12.19	C=0
F=5.93	F=37.41	F=46.90	F=13.55	F=18.41	F=14.14

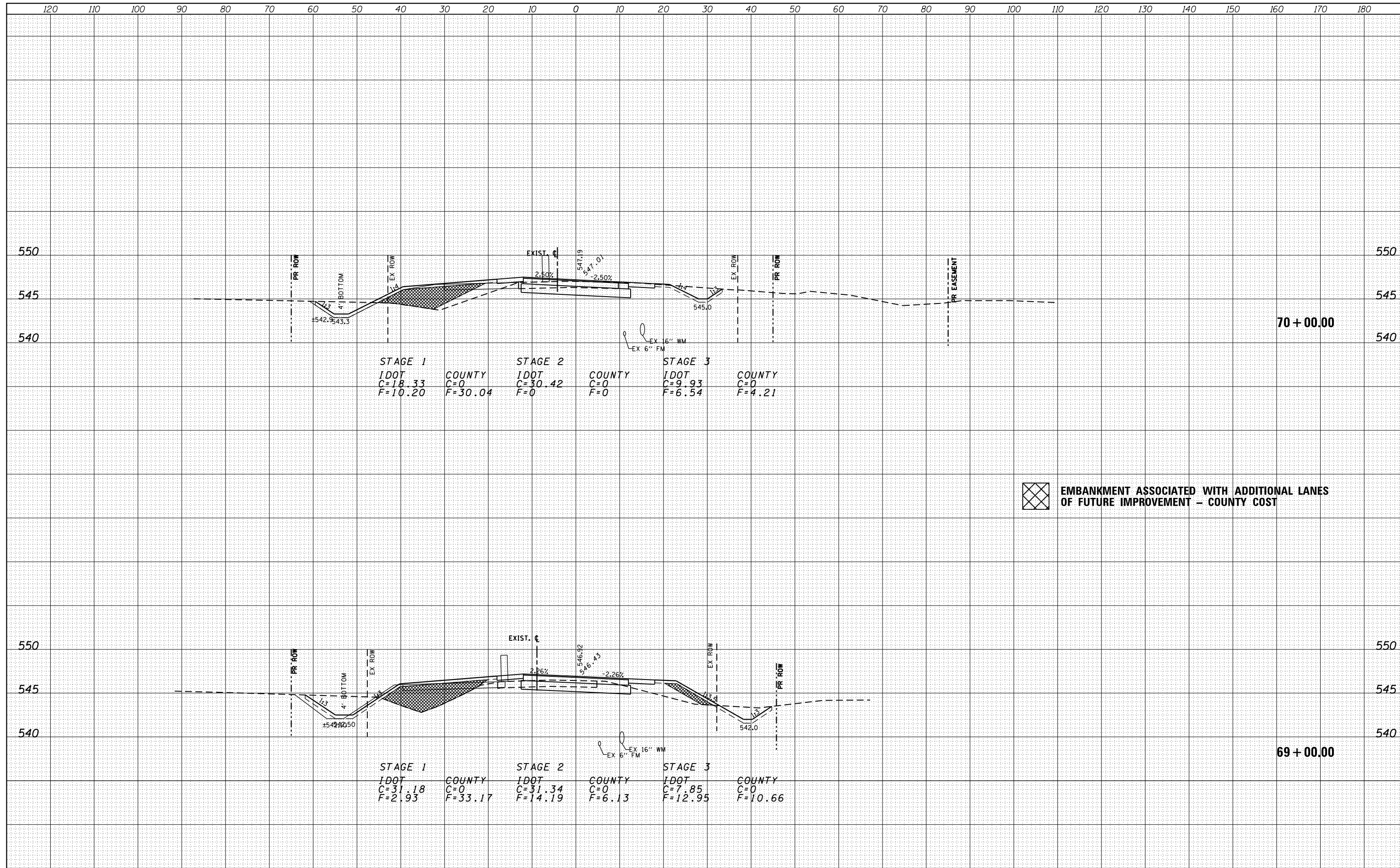
 **EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST**



STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=24.94	C=0	C=12.24	C=0	C=21.25	C=0
F=13.69	F=36.62	F=107.60	F=41.68	F=19.1	F=23.21

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

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



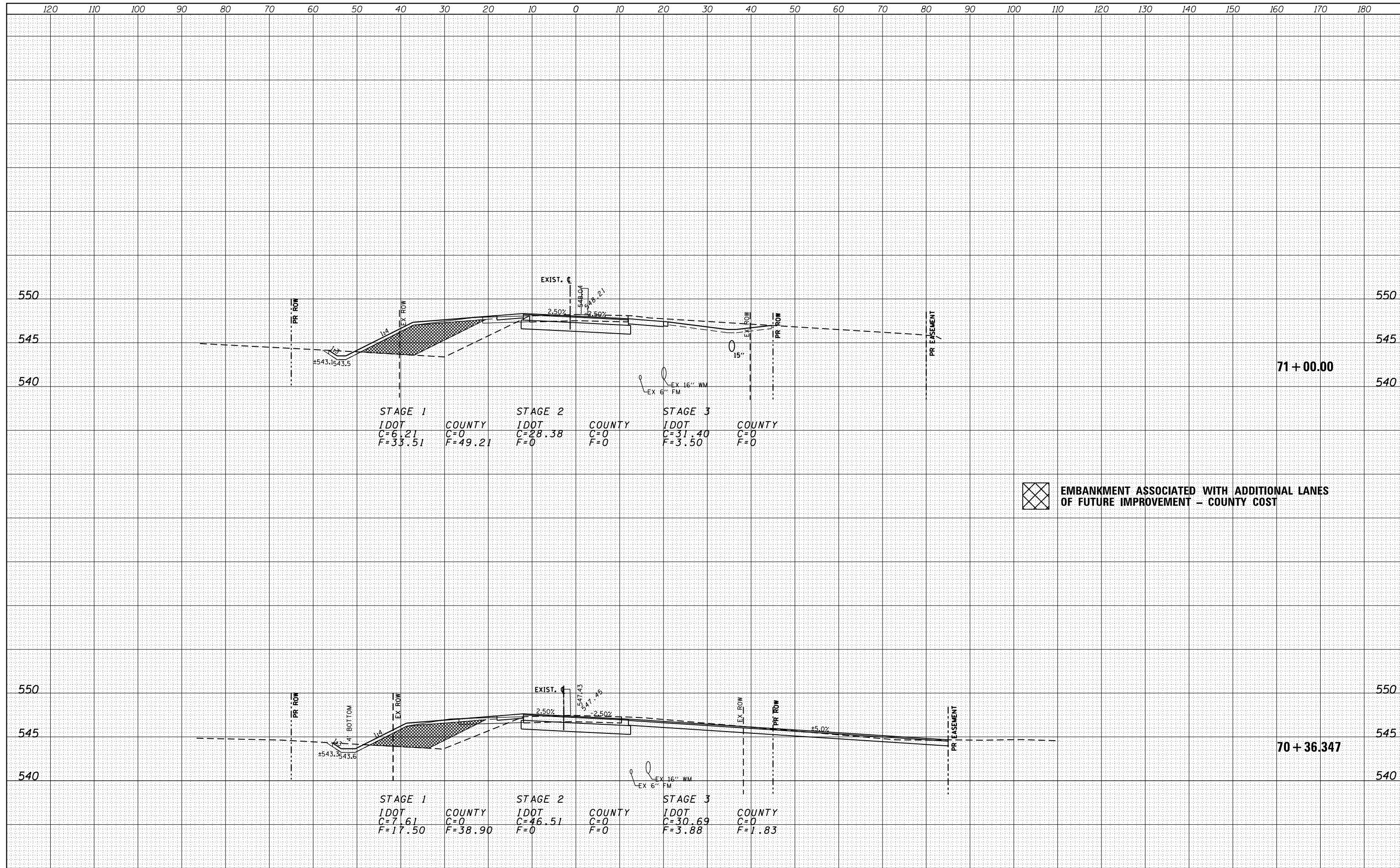
STAGE 1	COUNTY	STAGE 2	COUNTY	STAGE 3	COUNTY
IDOT	C=0	IDOT	C=0	IDOT	C=0
C=18.33	F=30.04	C=30.42	F=0	C=9.93	F=4.21
F=10.20					

STAGE 1	COUNTY	STAGE 2	COUNTY	STAGE 3	COUNTY
IDOT	C=0	IDOT	C=0	IDOT	C=0
C=31.18	F=33.17	C=31.34	F=6.13	C=7.85	F=10.66
F=2.93					

 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

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

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

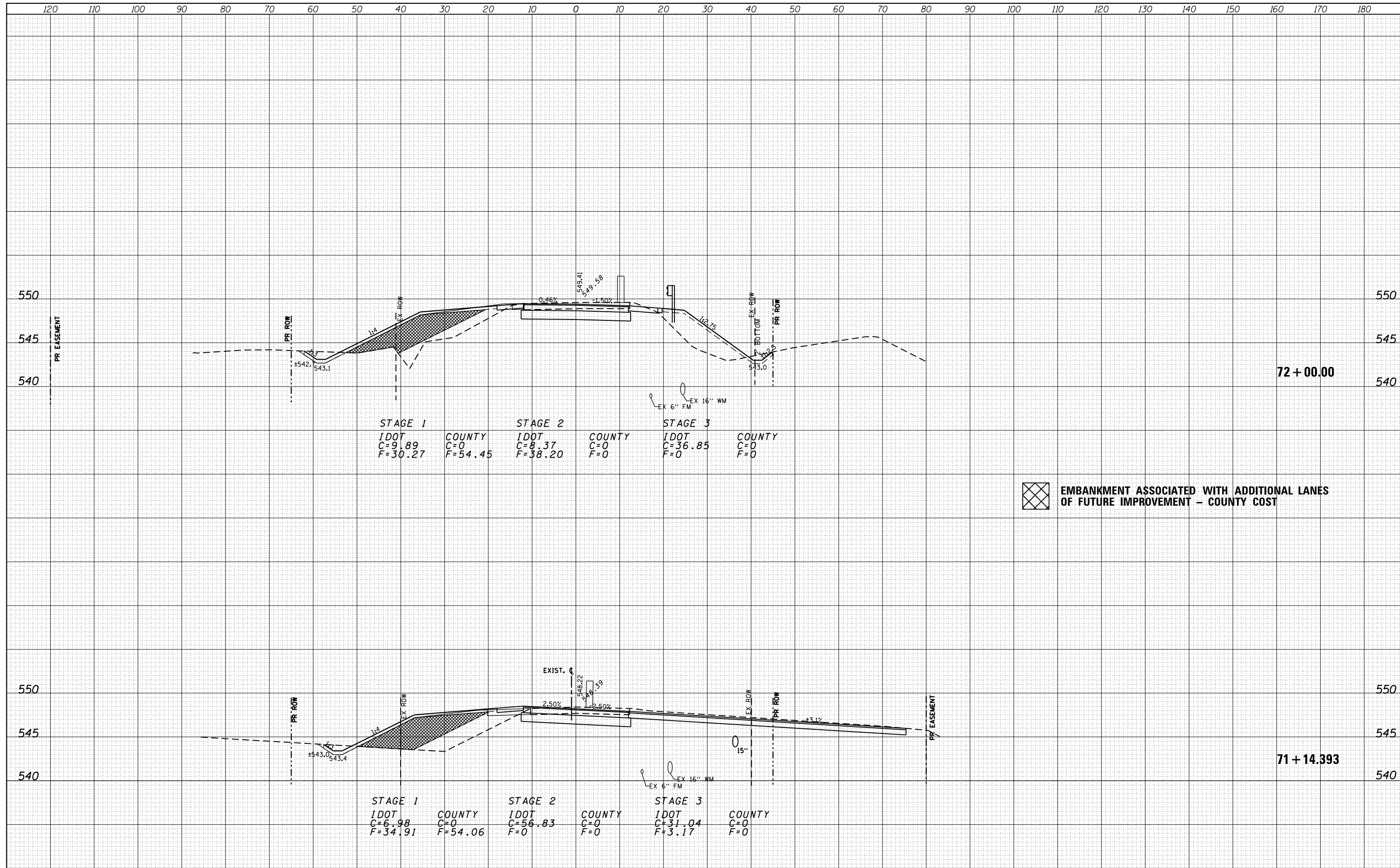


 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -			80	(32,47-4)HBR-2	GRUNDY	143	140
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -	SCALE:			SHEET NO.	OF SHEETS	STA. 70+36.347	TO STA. 71+00.00	CONTRACT NO. 66873
PLOT DATE = 3/15/2013	DATE -	REVISED -	3 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



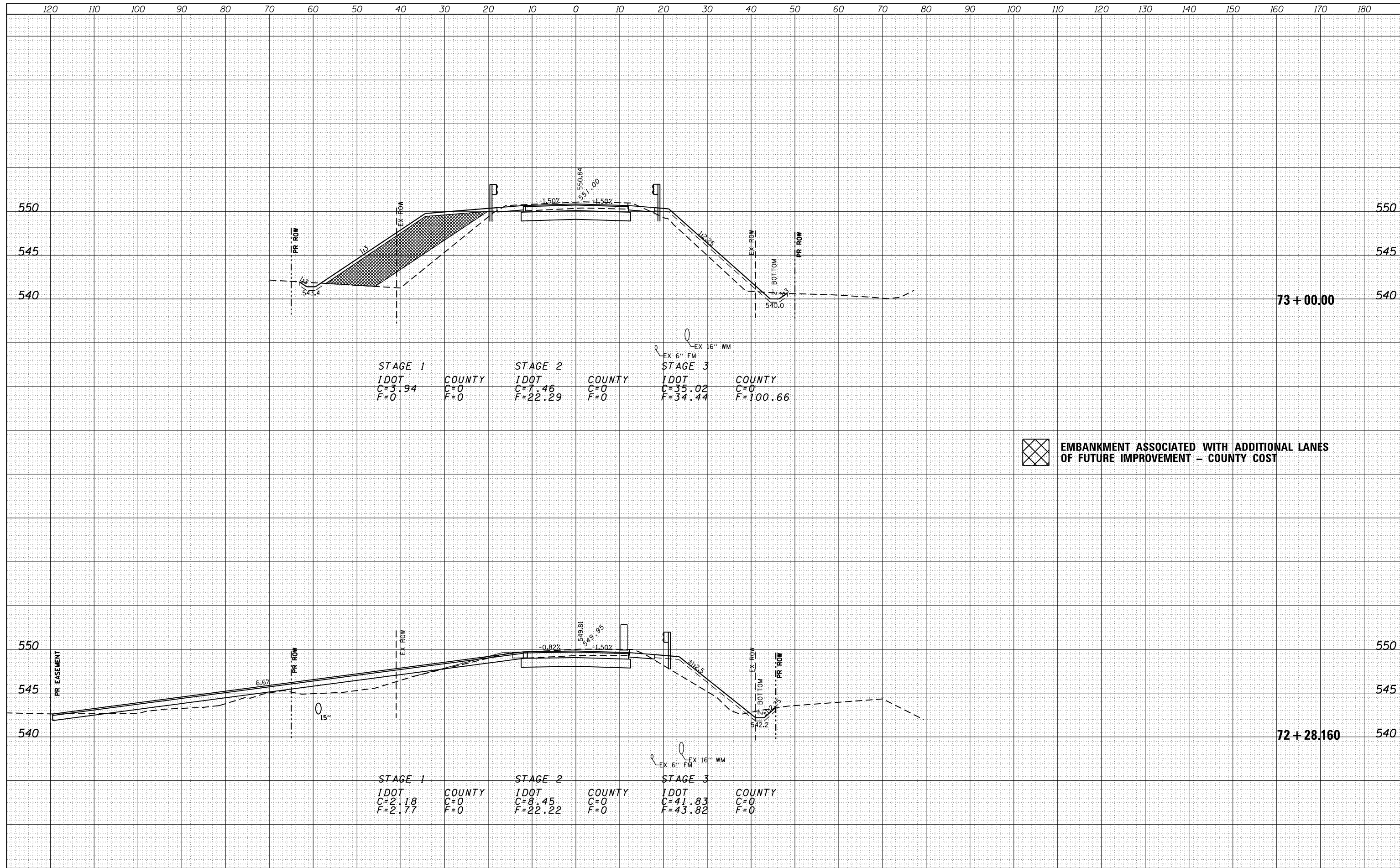
STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=9.89	C=0	C=8.37	C=0	C=36.85	C=0
F=30.27	F=54.45	F=38.20	F=0	F=0	F=0

STAGE 1		STAGE 2		STAGE 3	
IDOT	COUNTY	IDOT	COUNTY	IDOT	COUNTY
C=6.98	C=0	C=56.83	C=0	C=31.04	C=0
F=34.91	F=54.06	F=0	F=0	F=3.17	F=0

 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



STAGE 1
 IDOT COUNTY
 C=3.94 C=0
 F=0 F=0

STAGE 2
 IDOT COUNTY
 C=7.46 C=0
 F=22.29 F=0

STAGE 3
 IDOT COUNTY
 C=35.02 C=0
 F=34.44 F=100.66

STAGE 1
 IDOT COUNTY
 C=2.18 C=0
 F=2.77 F=0

STAGE 2
 IDOT COUNTY
 C=8.45 C=0
 F=22.22 F=0

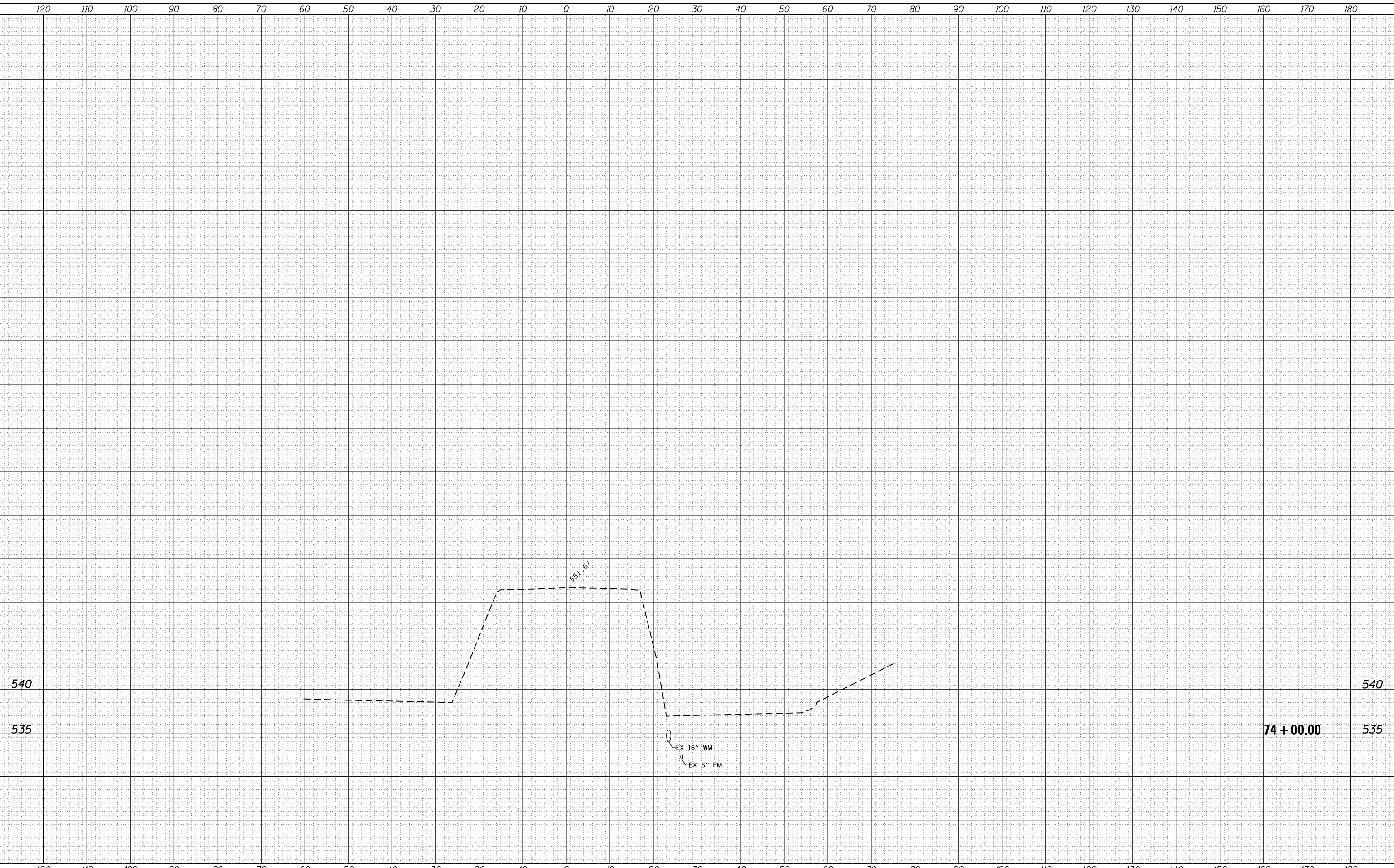
STAGE 3
 IDOT COUNTY
 C=41.83 C=0
 F=43.82 F=0

 EMBANKMENT ASSOCIATED WITH ADDITIONAL LANES OF FUTURE IMPROVEMENT - COUNTY COST

120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180

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

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



FILE NAME =	USER NAME = duncanbd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MINOOKA ROAD	SCALE:	SHEET NO.	OF	SHEETS	STA. 74+00.00	TO STA. 74+00.00
es:\pw_work\p1dot\duncanbd\dms58037\ep01904-SH	T-final-XS.dgn	DRAWN -	REVISED -			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISED -			80	(32,47-4)HBR-2	GRUNDY	143	143	
		DATE -	REVISED -			CONTRACT NO. 66873		3 ILLINOIS FED. AID PROJECT			