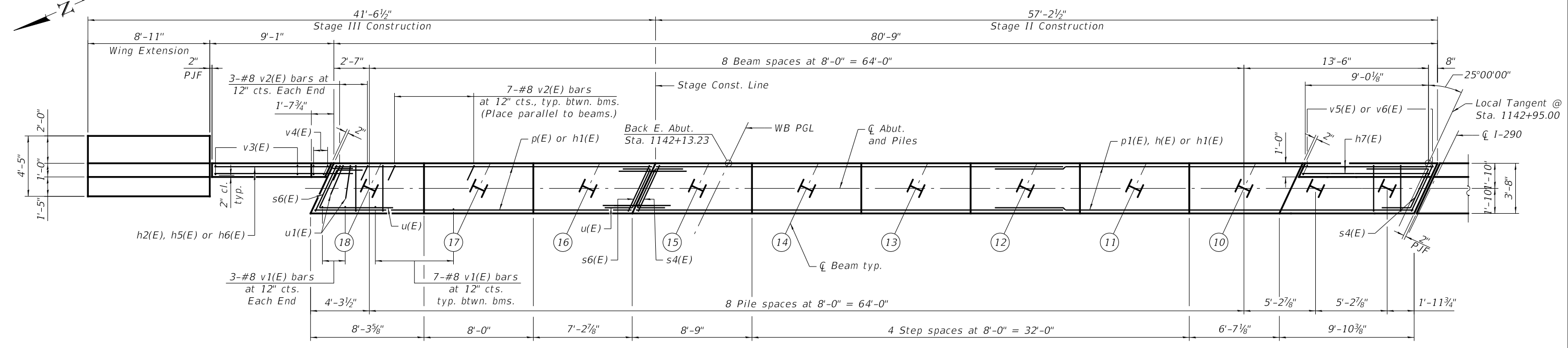


ELEVATION



PLAN

MINIMUM BAR LAP
#7 bar = 5'-0"

Notes:
Pour steps monolithically with cap.
Bars indicated thus 14 x 2-#7 etc. indicates 14 lines of bars with 2 length per line.
See sheet 56 of 70 for Wing Extension Details.
See sheet 57 of 70 for Abutment Details.

PILE DATA
Type: HP12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 230 kips
Est. Length: 83'
No. Production Piles: 11
No. Test Piles: 0

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-046-ABT.dgn

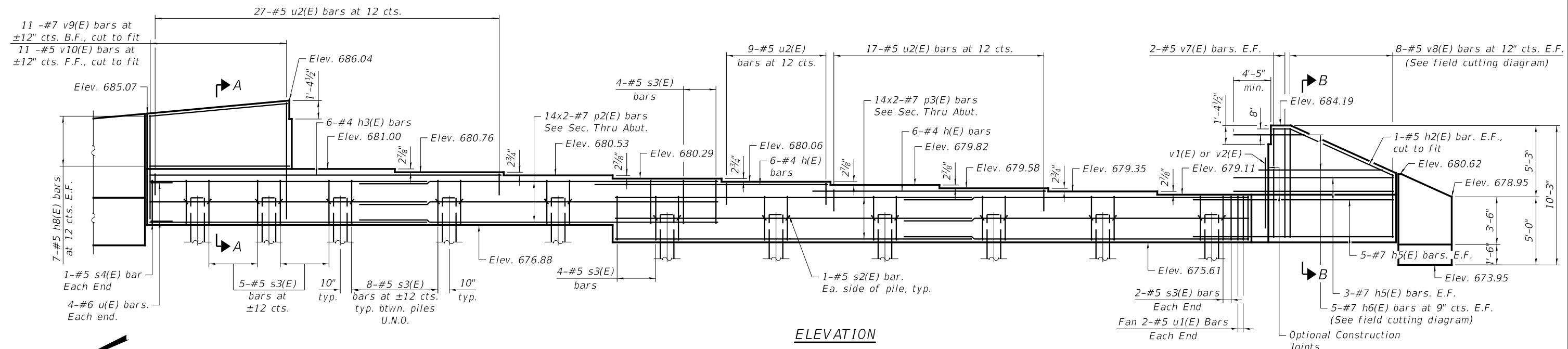


USER NAME = pateld	DESIGNED - NJP	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

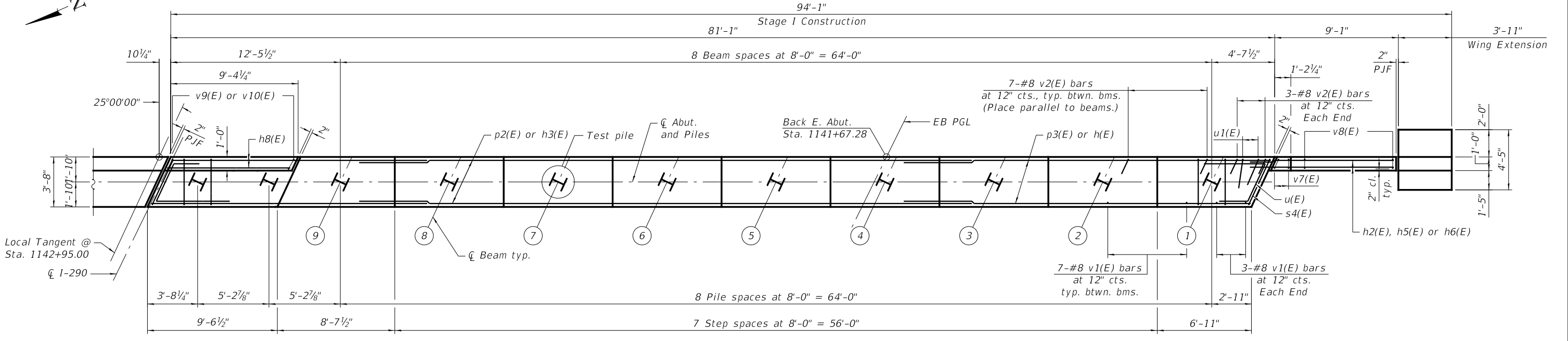
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

E. ABUTMENT WB
STRUCTURE NO. 022-0577 WB
SHEET NO. 46 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	201
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN

MINIMUM BAR LAP
#7 bar = 5'-0"

Notes:
Pour steps monolithically with cap.
Bars indicated thus 14 x 2-#7 etc. indicates 14 lines of bars with 2 length per line.
See sheet 56 of 70 for Wing Extension Details.
See sheet 57 of 70 for Abutment Details.

PILE DATA

Type: HP12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 230 kips
Est. Length: 84'
No. Production Piles: 10
No. Test Piles: 1

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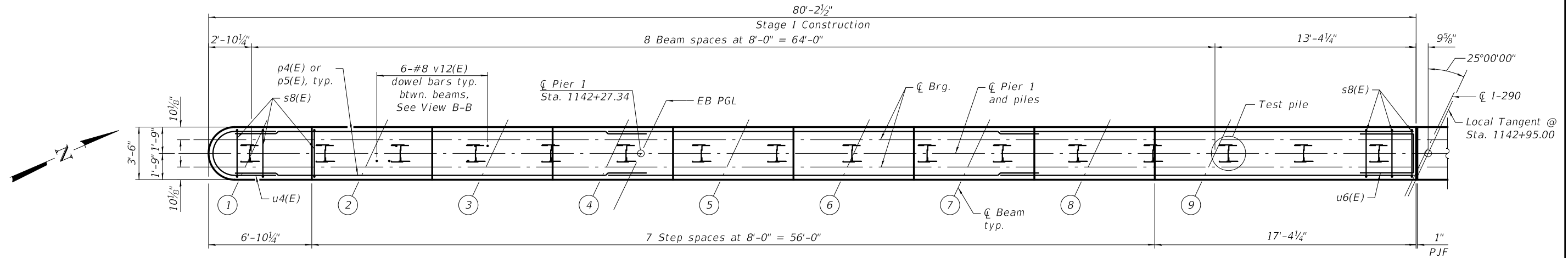


USER NAME = pateld	DESIGNED - NJP	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

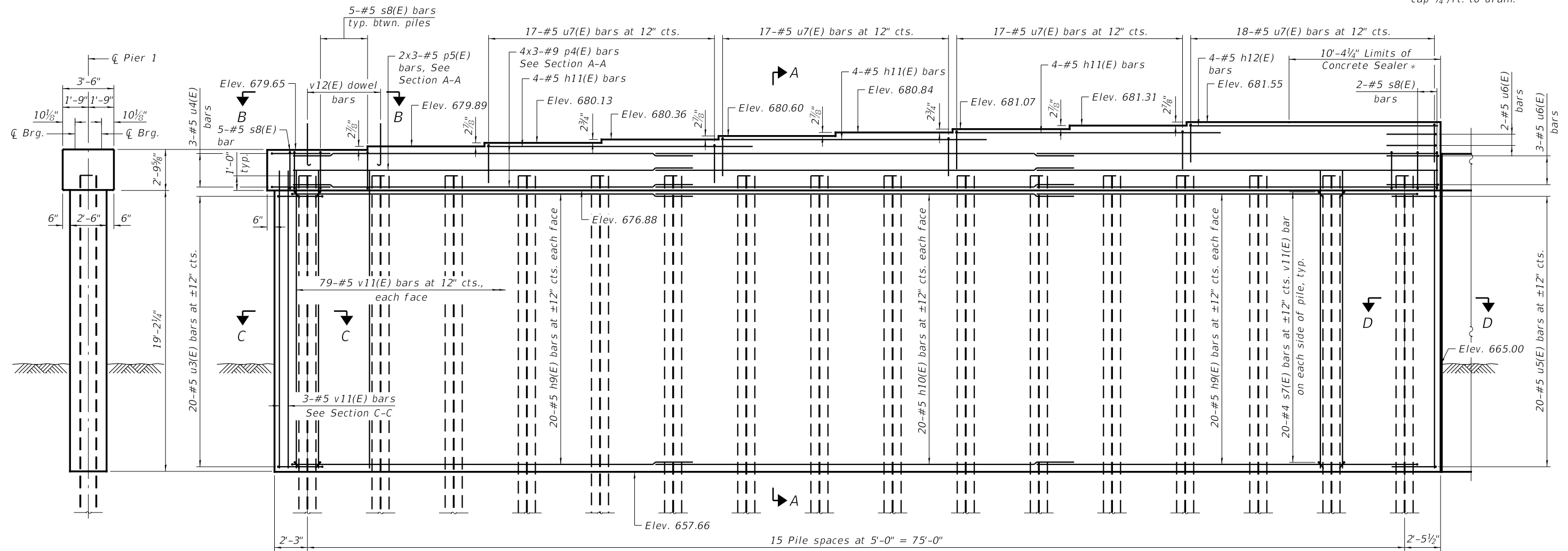
E. ABUTMENT EB
STRUCTURE NO. 022-0547 EB
SHEET NO. 47 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	202
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



PLAN

* Place Concrete Sealer on cap and sides. Slope concrete cap 1/4"/ft. to drain.



ELEVATION

END VIEW

MINIMUM BAR LAP

#4 bar = 2'-11"
 #5 bar = 3'-7"
 #9 bar = 7'-1"

PILE DATA

Type: HP14x89
 Nominal Required Bearing: 705 kips
 Factored Resistance Available: 388 kips
 Est. Length: 86'
 No. Production Piles: 15
 No. Test Piles: 1

Notes:
 Pour steps monolithically with cap.
 See sheet 50 of 70 for Section A-A,
 C-C, D-D, View B-B and Pier Details.

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-046-PR1.dgn



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4000
 CHICAGO, IL 60602
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 FAX: (312) 782-1884

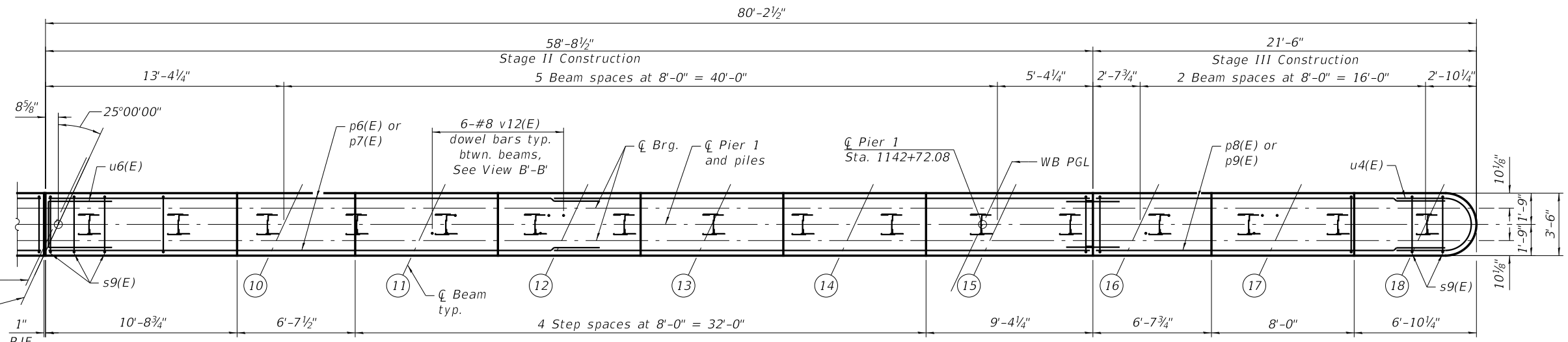
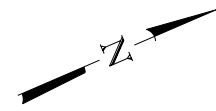
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PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 1 EB
 STRUCTURE NO. 022-0547 EB

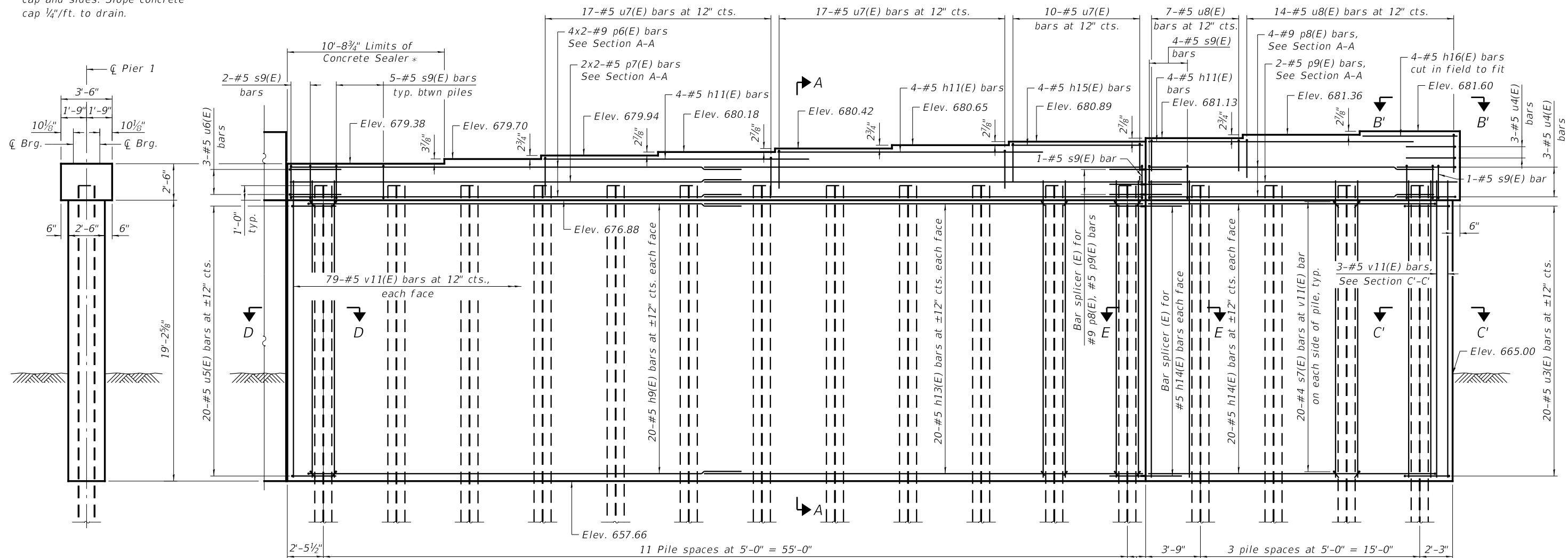
SHEET NO. 48 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	203
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



PLAN

* Place Concrete Sealer on cap and sides. Slope concrete cap 1/4\"/>



ELEVATION

END VIEW

MINIMUM BAR LAP

- #4 bar = 2'-11"
- #5 bar = 3'-7"
- #9 bar = 7'-1"

PILE DATA

Type: HP14x89
 Nominal Required Bearing: 705 kips
 Factored Resistance Available: 388 kips
 Est. Length: 86'
 No. Production Piles: 16
 No. Test Piles: 0

Notes:
 Pour steps monolithically with cap.
 See sheet 50 of 70 for Section A-A,
 C'-C', D-D & E-E, View B'-B' and Pier
 Details.

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-049-PR1.dgn



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 30 N. LASALLE STREET
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 CHICAGO, IL 60602
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PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIER 1 WB
 STRUCTURE NO. 022-0577 WB**

SHEET NO. 49 OF 70 SHEETS

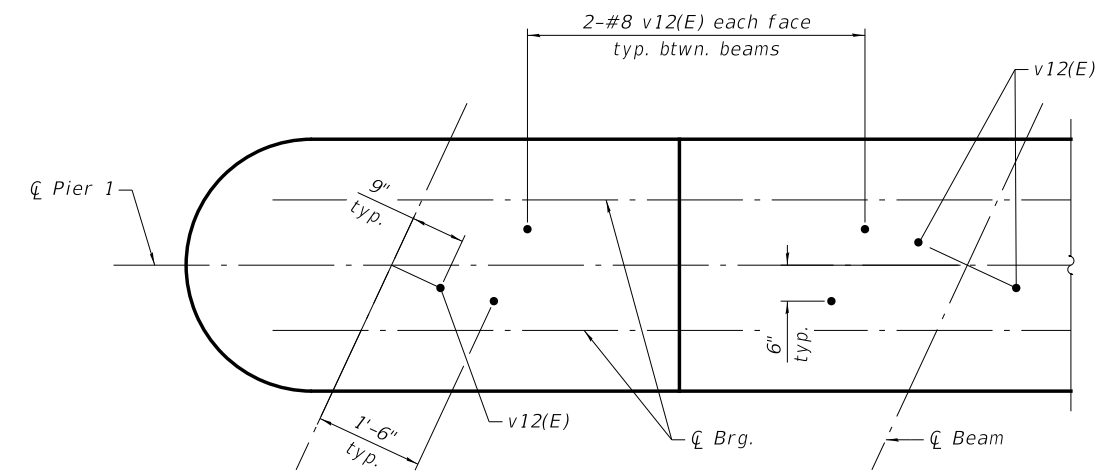
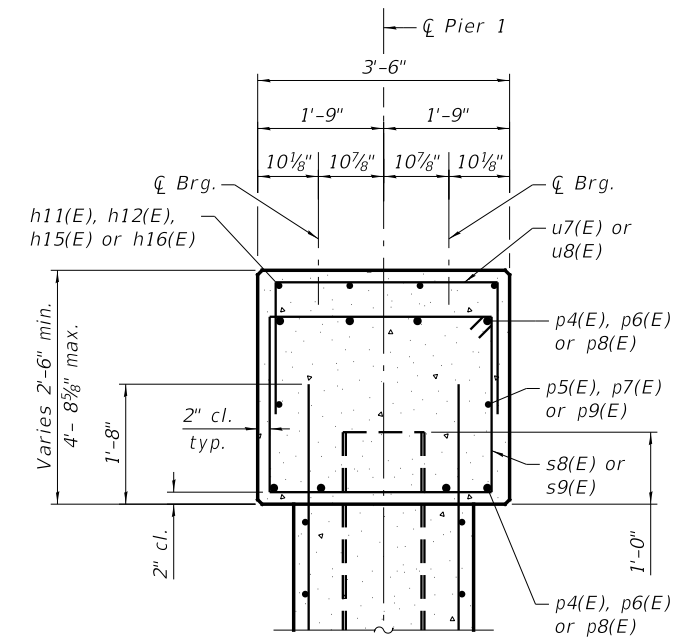
F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DuPage	TOTAL SHEETS 402	SHEET NO. 204
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

PIER 1 EB
BILL OF MATERIAL

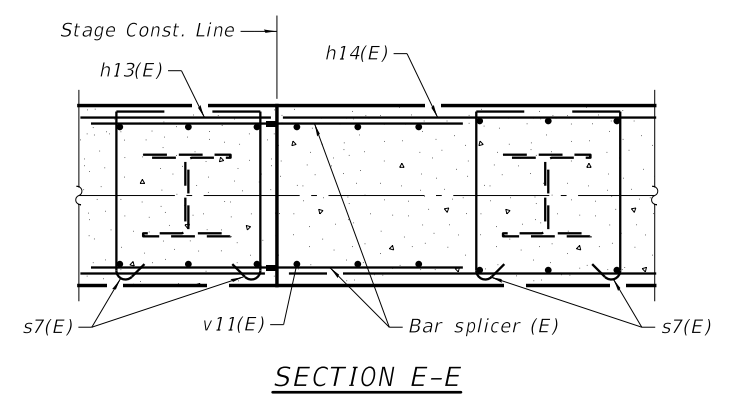
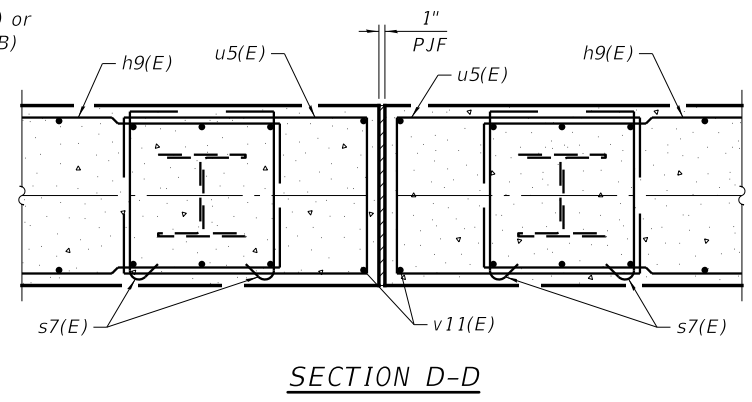
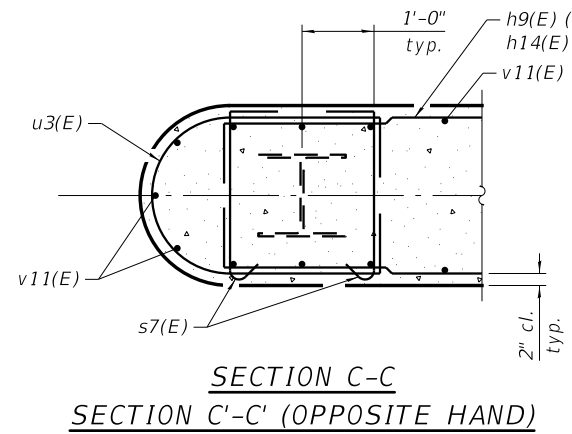
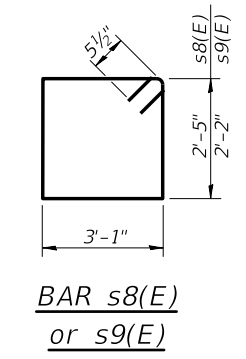
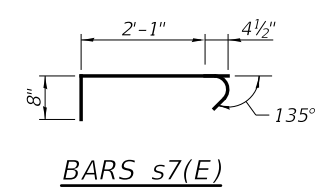
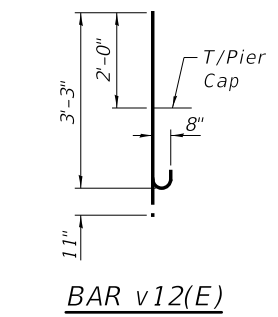
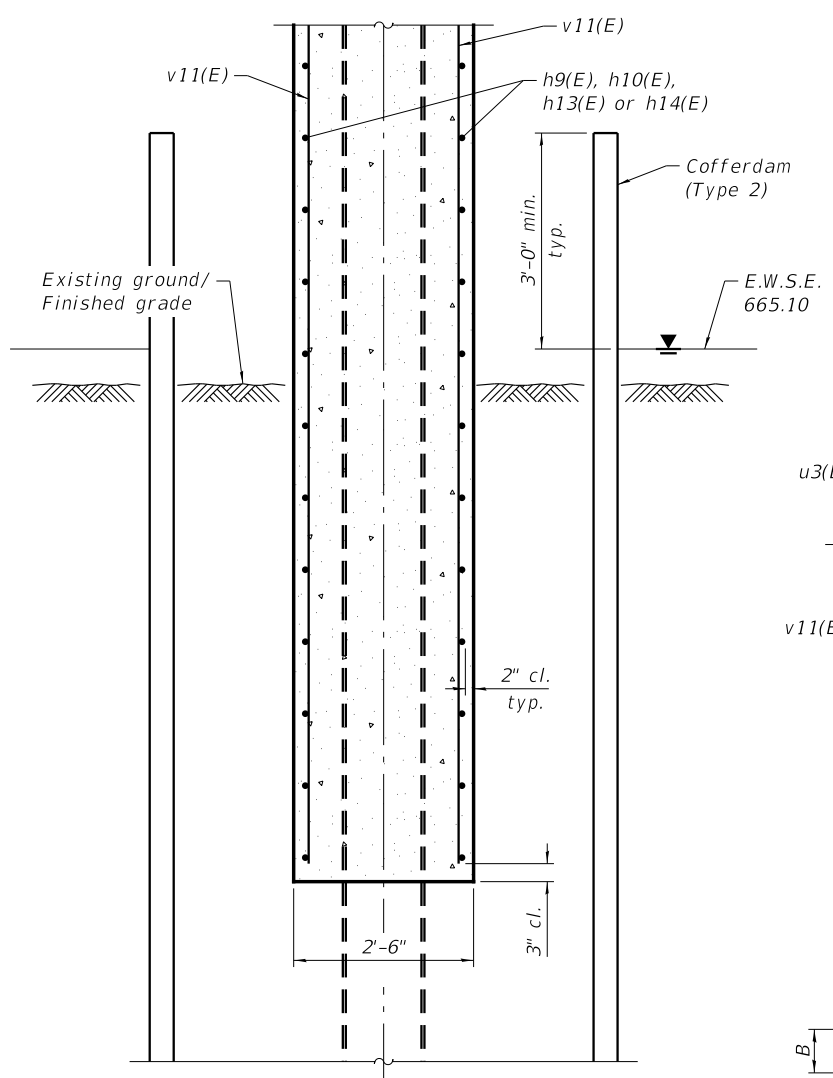
Bar	No.	Size	Length	Shape
h9(E)	80	#5	29'-0"	┌
h10(E)	40	#5	28'-2"	┌
h11(E)	12	#5	18'-1"	┌
h12(E)	4	#5	17'-0"	┌
p4(E)	24	#9	30'-10"	┌
p5(E)	6	#5	28'-6"	┌
s7(E)	640	#4	3'-2"	┌
s8(E)	78	#5	11'-11"	┌
u3(E)	20	#5	9'-1"	┌
u4(E)	3	#5	11'-1"	┌
u5(E)	20	#5	10'-5"	┌
u6(E)	5	#5	9'-4"	┌
u7(E)	69	#5	8'-3"	┌
v11(E)	161	#5	20'-8"	┌
v12(E)	48	#8	4'-2"	┌
Cofferdam Excavation		Cu. Yd.	145.5	
Cofferdam (Type 2)		Each	0.5	
Concrete Structures		Cu. Yd.	180.9	
Reinforcement Bars, Epoxy Coated		Pound	14,010	
Furnishing Steel		Foot	1,290	
Piles HP14x89		Foot	1,290	
Test Pile Steel HP14x89		Each	1	
Pile Shoes		Each	16	
Concrete Sealer		Sq. Ft.	140	

PIER 1 WB
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h9(E)	40	#5	29'-0"	┌
h11(E)	12	#5	18'-1"	┌
h13(E)	40	#5	32'-8"	┌
h14(E)	40	#5	20'-6"	┌
h15(E)	4	#5	9'-0"	┌
h16(E)	4	#5	21'-2"	┌
p6(E)	16	#9	32'-9"	┌
p7(E)	4	#5	31'-0"	┌
p8(E)	8	#9	19'-7"	┌
p9(E)	2	#5	19'-7"	┌
s7(E)	640	#4	3'-2"	┌
s9(E)	78	#5	11'-5"	┌
u3(E)	20	#5	9'-1"	┌
u4(E)	6	#5	11'-1"	┌
u5(E)	20	#5	10'-5"	┌
u6(E)	3	#5	9'-4"	┌
u7(E)	44	#5	8'-3"	┌
u8(E)	21	#5	8'-11"	┌
v11(E)	161	#5	20'-8"	┌
v12(E)	48	#8	4'-2"	┌
Cofferdam Excavation		Cu. Yd.	145.5	
Cofferdam (Type 2)		Each	0.5	
Concrete Structures		Cu. Yd.	180.9	
Reinforcement Bars, Epoxy Coated		Pound	13,640	
Bar Splicers		Each	50	
Furnishing Steel		Foot	1,376	
Piles HP14x89		Foot	1,376	
Pile Shoes		Each	16	
Concrete Sealer		Sq. Ft.	97	

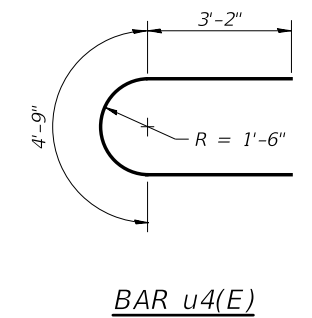
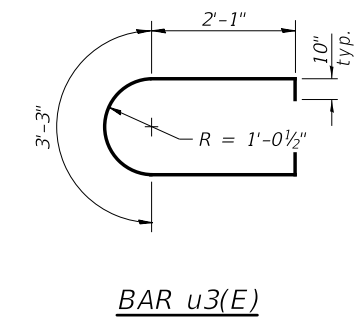
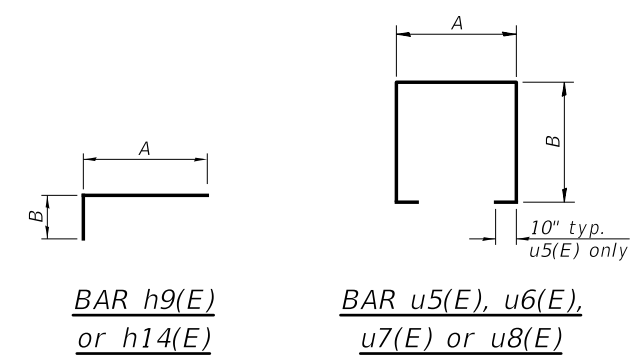


VIEW B-B
VIEW B'-B' (SIMILAR BY 180° ROTATION)



A & B DIMENSIONS

Bar	A	B
h9(E)	28'-2"	10"
h14(E)	19'-8"	10"
u5(E)	2'-1"	3'-4"
u6(E)	3'-0"	3'-2"
u7(E)	3'-1"	2'-7"
u8(E)	3'-1"	2'-11"



Notes:
For location of Section A-A, C-C, C'-C' & D-D, View B-B & B'-B', see sheets 48 & 49 of 70.
For details of piles, see sheet 58 of 70.
For details of Bar Splicers, see sheet 59 of 70.

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-050-D1ET.dgn



WSP USA Inc.
30 N. LASALLE STREET
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CHICAGO, IL 60602
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USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

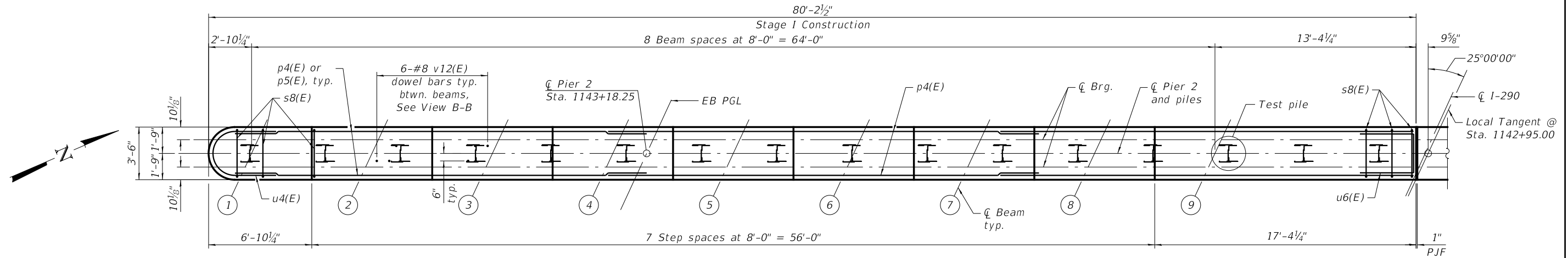
PIER 1 DETAILS
STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 50 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	205

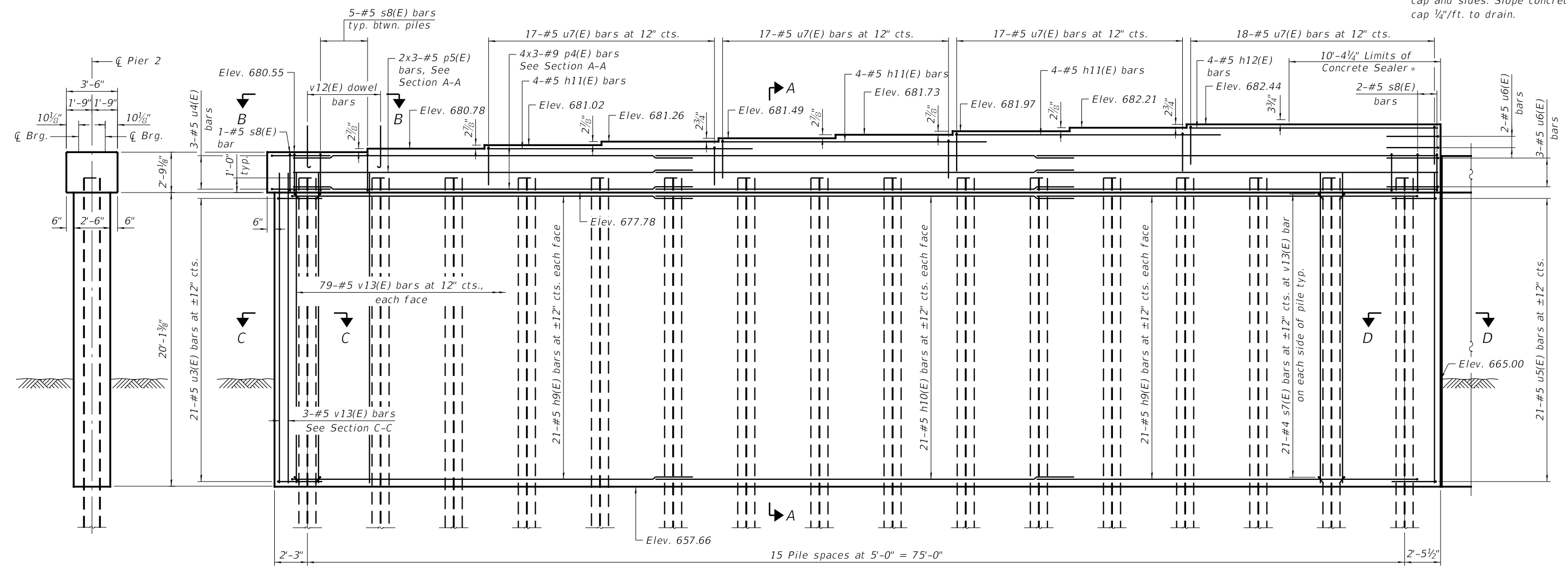
CONTRACT NO. 62C24

ILLINOIS FED. AID PROJECT



PLAN

* Place Concrete Sealer on cap and sides. Slope concrete cap 1/4"/ft. to drain.



ELEVATION

END VIEW

MINIMUM BAR LAP

- #4 bar = 2'-11"
- #5 bar = 3'-7"
- #9 bar = 7'-1"

PILE DATA

Type: HP14x89
 Nominal Required Bearing: 705 kips
 Factored Resistance Available: 388 kips
 Est. Length: 87'
 No. Production Piles: 15
 No. Test Piles: 1

Notes:
 Pour steps monolithically with cap.
 See sheet 53 of 70 for Section A-A,
 C-C, D-D, View B-B and Pier Details.

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-051-PR2.dgn



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 30 N. LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8180
 FAX: (312) 782-1884

USER NAME = pateld
 DESIGNED - P.JL
 CHECKED - PAL
 PLOT SCALE = N.T.S.
 DRAWN - DCP
 PLOT DATE = 12/15/2017
 CHECKED - AH

REVISED -
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 REVISED -

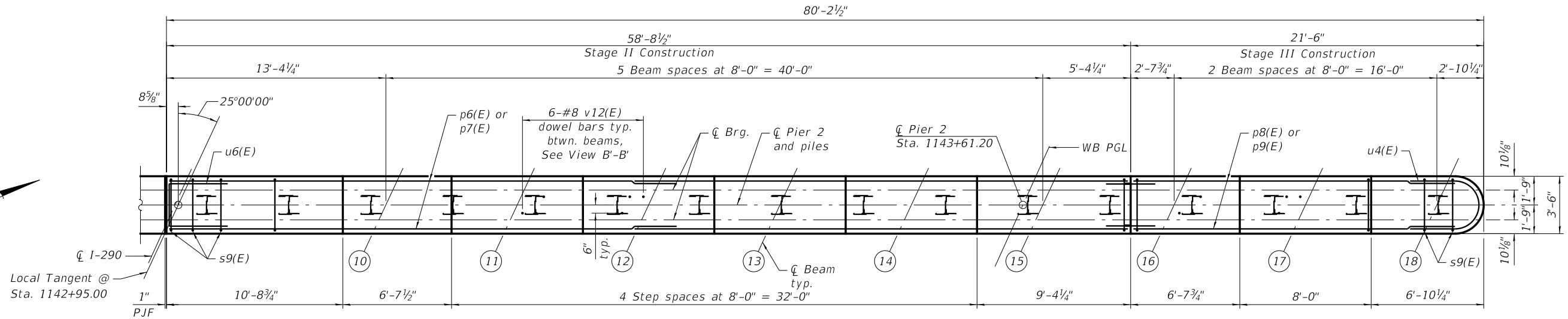
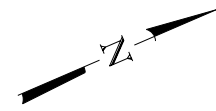
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PIER 2 EB
 STRUCTURE NO. 022-0547 EB**

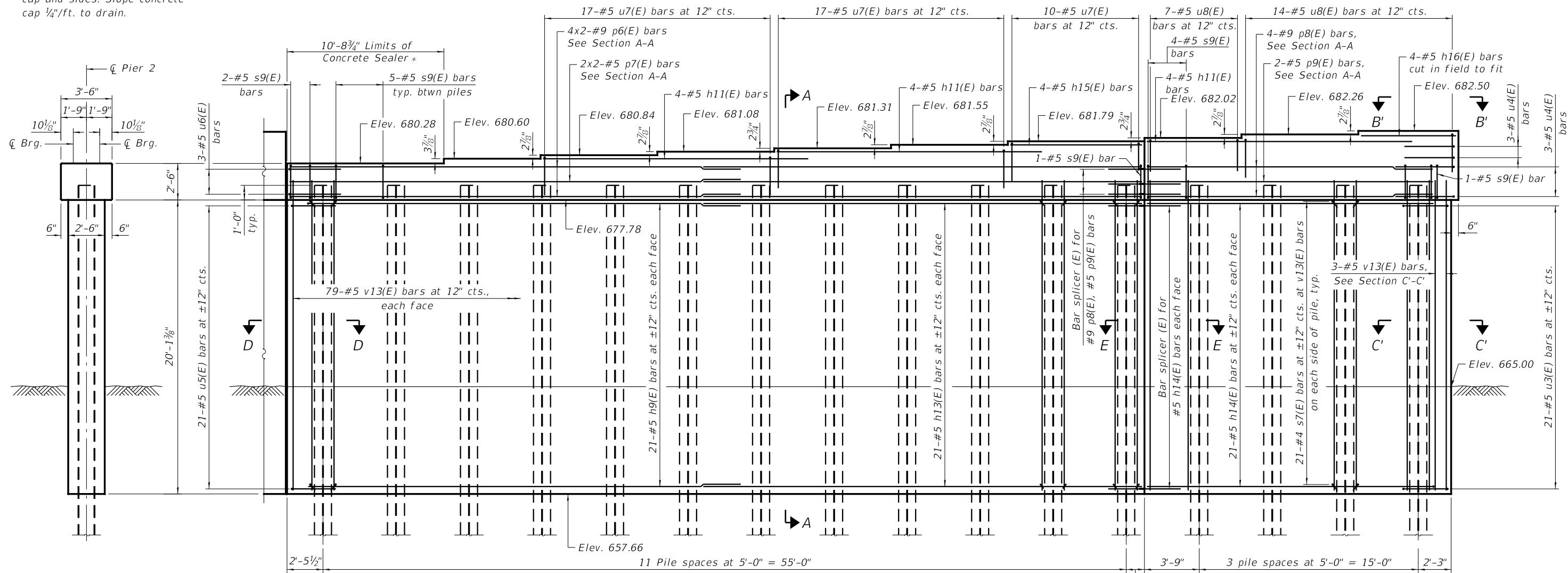
SHEET NO. 51 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	206
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT



* Place Concrete Sealer on cap and sides. Slope concrete cap 1/4"/ft. to drain.



END VIEW

MINIMUM BAR LAP
 #4 bar = 2'-11"
 #5 bar = 3'-7"
 #9 bar = 7'-1"

PILE DATA
 Type: HP14x89
 Nominal Required Bearing: 705 kips
 Factored Resistance Available: 388 kips
 Est. Length: 87'
 No. Production Piles: 16
 No. Test Piles: 0

ELEVATION

Notes:
 Pour steps monolithically with cap.
 See sheet 53 of 70 for Section A-A,
 C'-C', D-D & E-E, View B'-B' and Pier
 Details.

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 30 N. LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8180
 FAX: (312) 782-1884

USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PIER 2 WB
 STRUCTURE NO. 022-0577 WB

SHEET NO. 52 OF 70 SHEETS

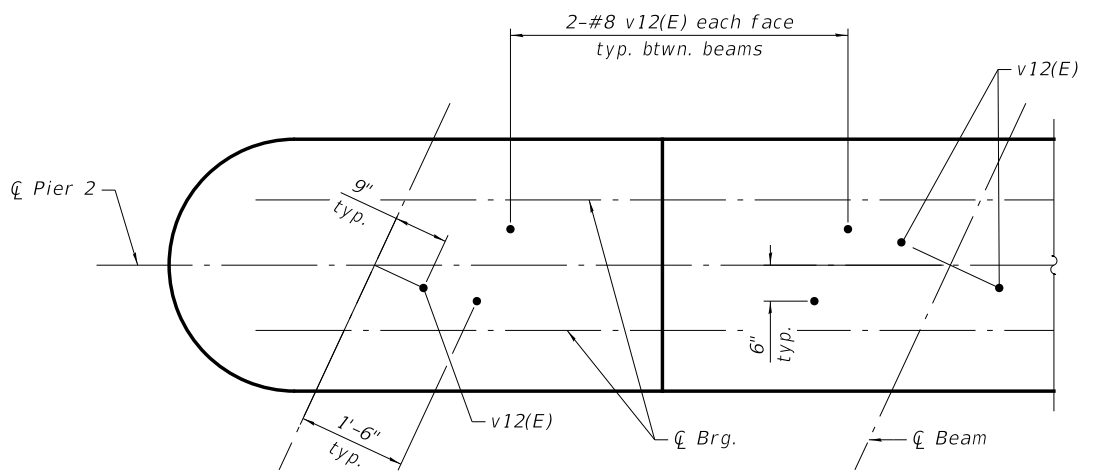
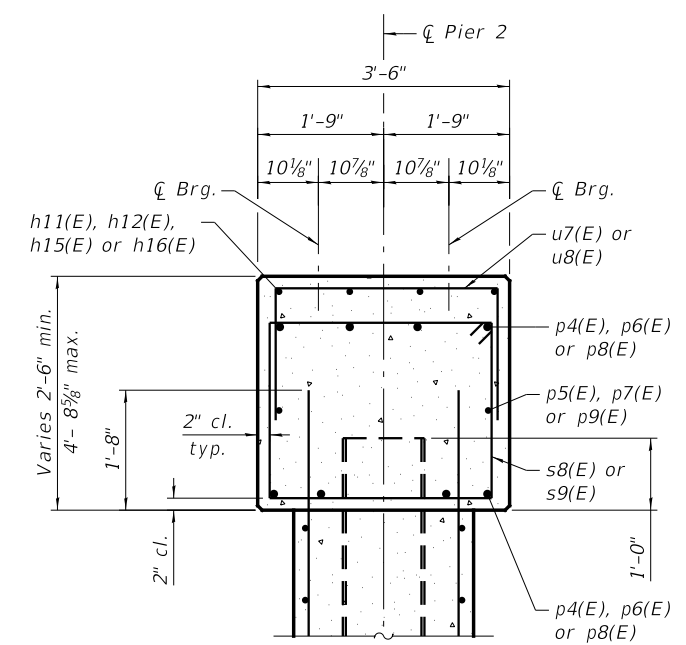
F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DuPage	TOTAL SHEETS 402	SHEET NO. 207
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

**PIER 2 EB
BILL OF MATERIAL**

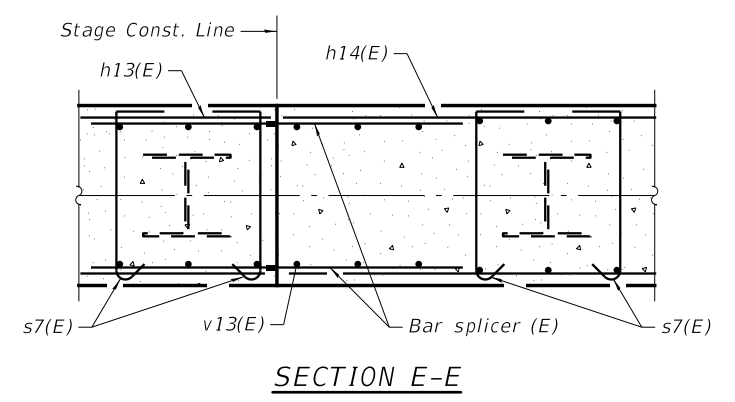
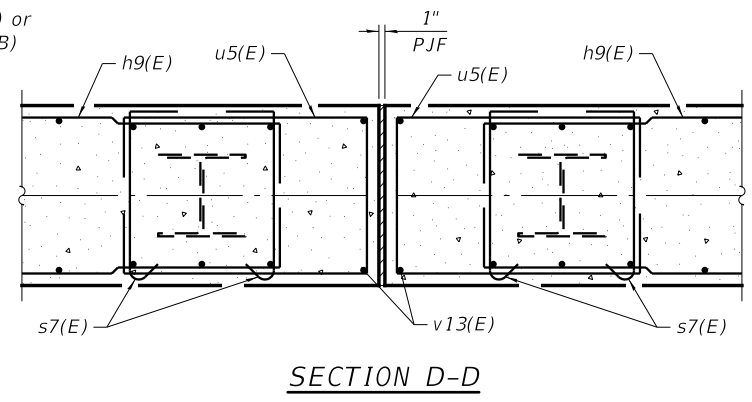
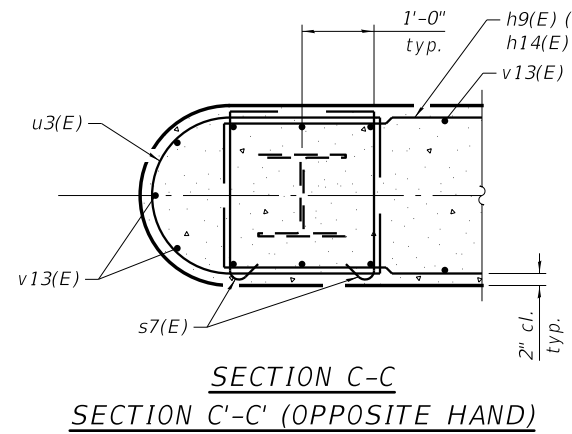
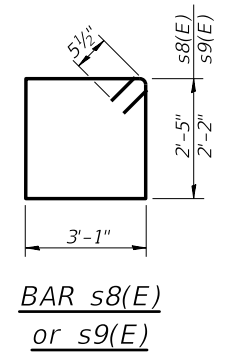
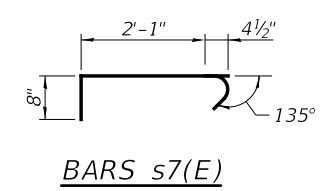
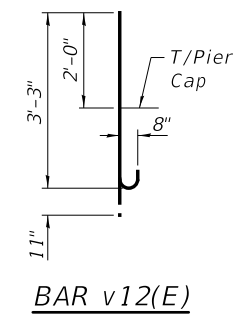
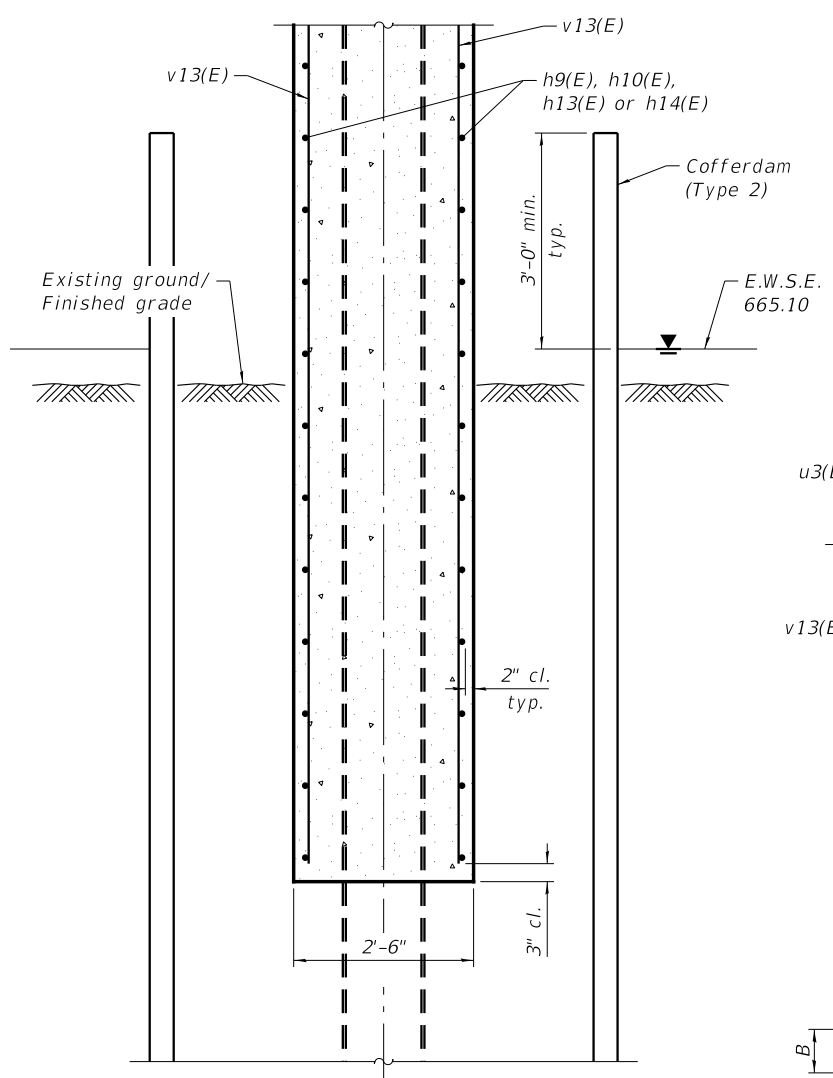
Bar	No.	Size	Length	Shape
h9(E)	84	#5	29'-0"	┌
h10(E)	42	#5	28'-2"	┌
h11(E)	12	#5	18'-1"	┌
h12(E)	4	#5	17'-0"	┌
p4(E)	24	#9	30'-10"	┌
p5(E)	6	#5	28'-6"	┌
s7(E)	672	#4	3'-2"	┌
s8(E)	78	#5	11'-11"	┌
u3(E)	21	#5	9'-1"	┌
u4(E)	3	#5	11'-1"	┌
u5(E)	21	#5	10'-5"	┌
u6(E)	5	#5	9'-4"	┌
u7(E)	69	#5	8'-3"	┌
v12(E)	48	#8	4'-2"	┌
v13(E)	161	#5	21'-7"	┌
Cofferdam Excavation		Cu. Yd.	145.5	
Cofferdam (Type 2)		Each	0.5	
Concrete Structures		Cu. Yd.	187.6	
Reinforcement Bars, Epoxy Coated		Pound	14,430	
Furnishing Steel Piles HP14x89		Foot	1,305	
Driving Piles		Foot	1,305	
Test Pile Steel HP14x89		Each	1	
Pile Shoes		Each	16	
Concrete Sealer		Sq. Ft.	140	

**PIER 2 WB
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h9(E)	42	#5	29'-0"	┌
h11(E)	12	#5	18'-1"	┌
h13(E)	42	#5	32'-8"	┌
h14(E)	42	#5	20'-6"	┌
h15(E)	4	#5	9'-0"	┌
h16(E)	4	#5	21'-2"	┌
p6(E)	16	#9	32'-9"	┌
p7(E)	4	#5	31'-0"	┌
p8(E)	8	#9	19'-7"	┌
p9(E)	2	#5	19'-7"	┌
s7(E)	672	#4	3'-2"	┌
s9(E)	78	#5	11'-5"	┌
u3(E)	21	#5	9'-1"	┌
u4(E)	6	#5	11'-1"	┌
u5(E)	21	#5	10'-5"	┌
u6(E)	3	#5	9'-4"	┌
u7(E)	44	#5	8'-3"	┌
u8(E)	21	#5	8'-11"	┌
v12(E)	48	#8	4'-2"	┌
v13(E)	161	#5	21'-7"	┌
Cofferdam Excavation		Cu. Yd.	145.5	
Cofferdam (Type 2)		Each	0.5	
Concrete Structures		Cu. Yd.	187.6	
Reinforcement Bars, Epoxy Coated		Pound	14,050	
Bar Splicers		Each	52	
Furnishing Steel Piles HP14x89		Foot	1,392	
Driving Piles		Foot	1,392	
Pile Shoes		Each	16	
Concrete Sealer		Sq. Ft.	97	

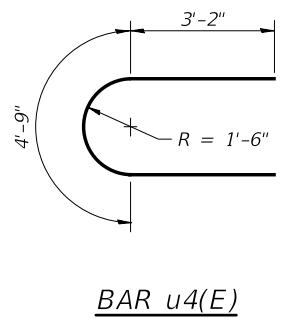
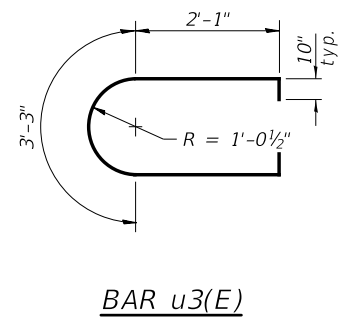
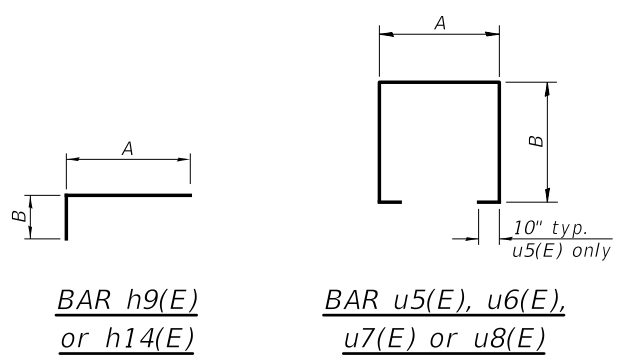


**VIEW B-B
VIEW B'-B' (SIMILAR BY 180° ROTATION)**



A & B DIMENSIONS

Bar	A	B
h9(E)	28'-2"	10"
h14(E)	19'-8"	10"
u5(E)	2'-1"	3'-4"
u6(E)	3'-0"	3'-2"
u7(E)	3'-1"	2'-7"
u8(E)	3'-1"	2'-11"



Notes:
For location of Section A-A, C-C, C'-C' & D-D, View B-B & B'-B', see sheets 51 & 52 of 70.
For details of piles, see sheet 58 of 70.
For details of Bar Splicers, see sheet 59 of 70.

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-053-DJET.dgn



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8180
FAX: (312) 782-1884

USER NAME = pateld	DESIGNED - P.JL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

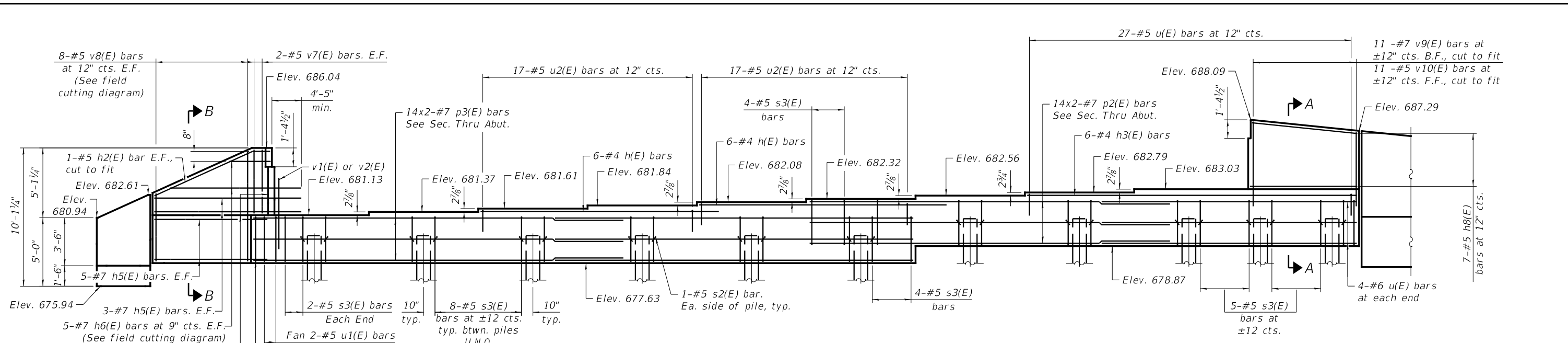
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER 2 DETAILS
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

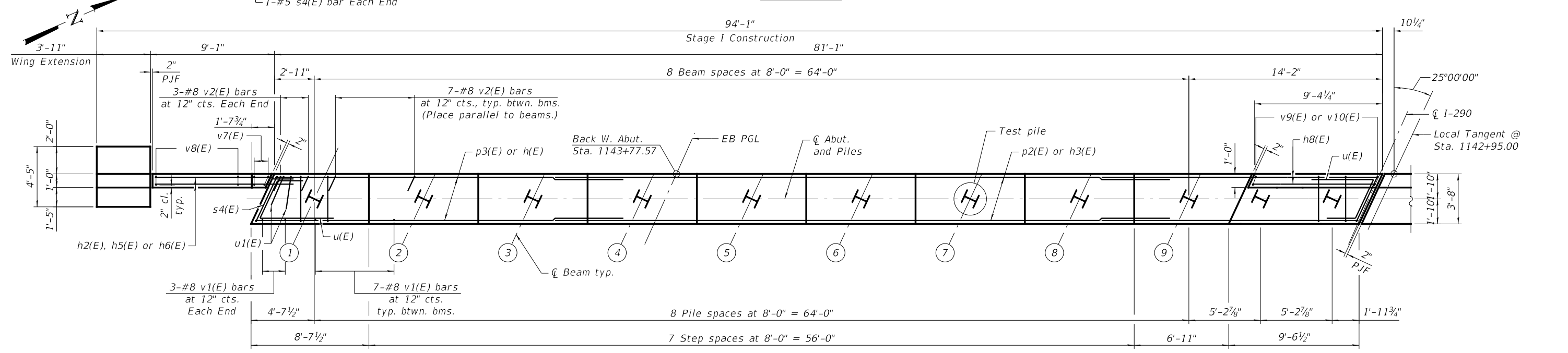
SHEET NO. 53 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	208
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT



ELEVATION



PLAN

MINIMUM BAR LAP
#7 bar = 5'-0"

Notes:
Pour steps monolithically with cap.
Bars indicated thus 14 x 2-#7 etc. indicates 14 lines of bars with 2 length per line.
See sheet 56 of 70 for Wing Extension Details.
See sheet 57 of 70 for Abutment Details.

PILE DATA

Type: HP12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 230 kips
Est. Length: 79'
No. Production Piles: 10
No. Test Piles: 1

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30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8180
FAX: (312) 782-1884

USER NAME = pateld	DESIGNED - NJP	REVISED -
	CHECKED - PAL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -

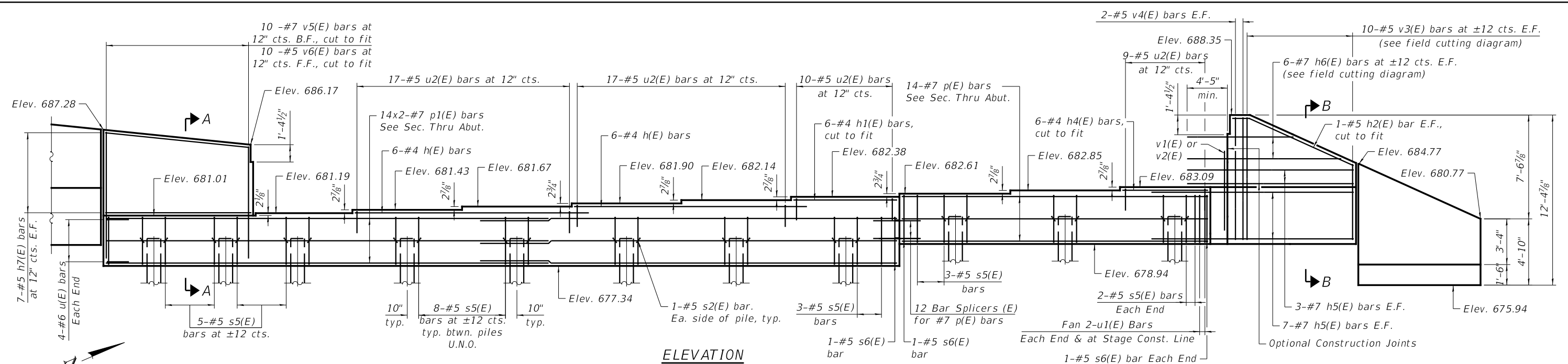
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. ABUTMENT EB
STRUCTURE NO. 022-0547 EB

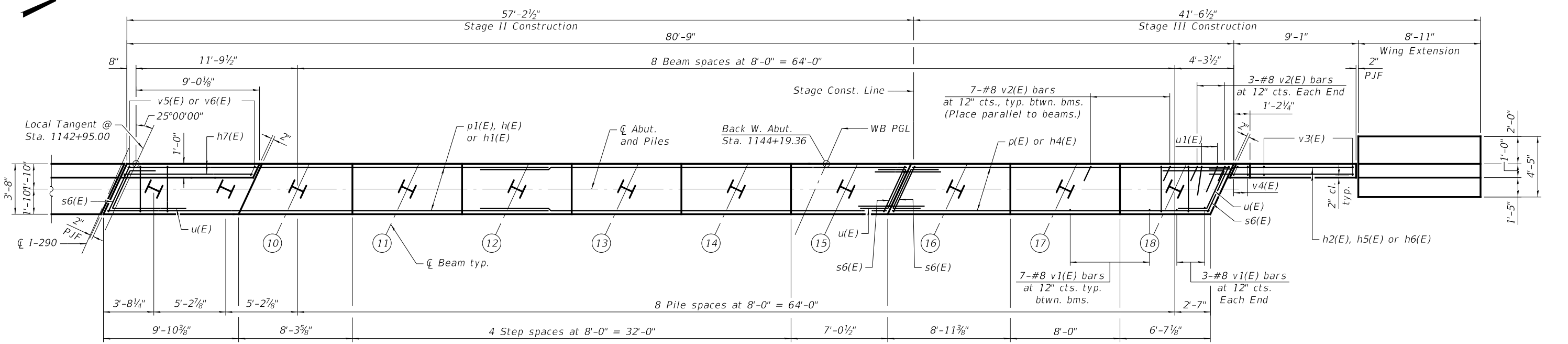
SHEET NO. 54 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	209
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT



ELEVATION



PLAN

MINIMUM BAR LAP
#7 bar = 5'-0"

Notes:
Pour steps monolithically with cap.
Bars indicated thus 14 x 2-#7 etc. indicates 14 lines of bars with 2 length per line.
See sheet 56 of 70 for Wing Extension Details.
See sheet 57 of 70 for Abutment Details.

PILE DATA

Type: HP12x53
Nominal Required Bearing: 419 kips
Factored Resistance Available: 230 kips
Est. Length: 78'
No. Production Piles: 11
No. Test Piles: 0

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FAX: (312) 782-1984

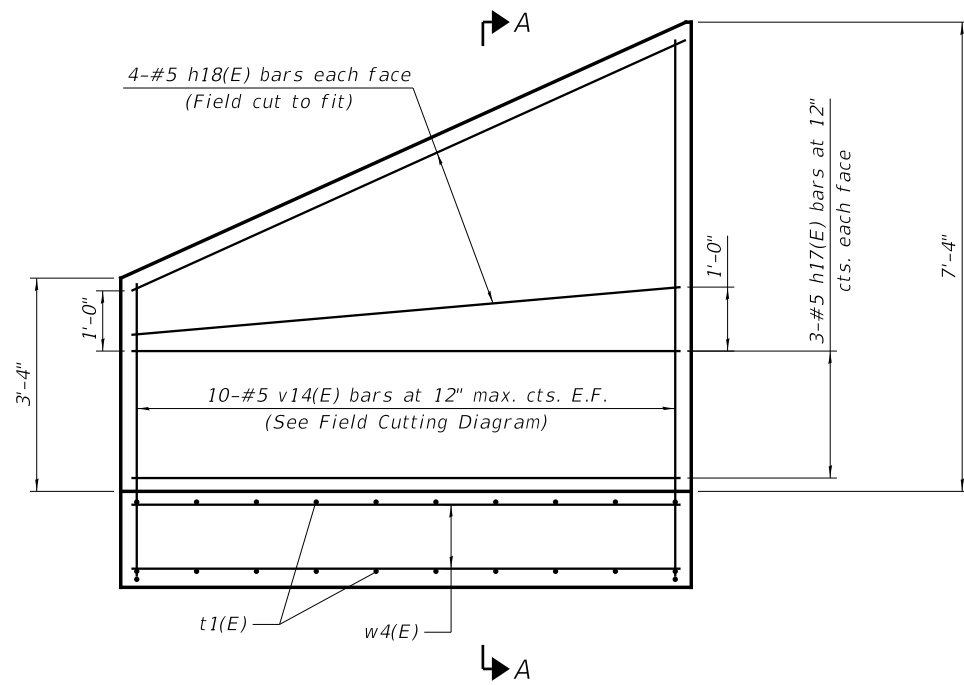
USER NAME = pateld	DESIGNED - NJP	REVISED -
	CHECKED - PAL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -

STATE OF ILLINOIS
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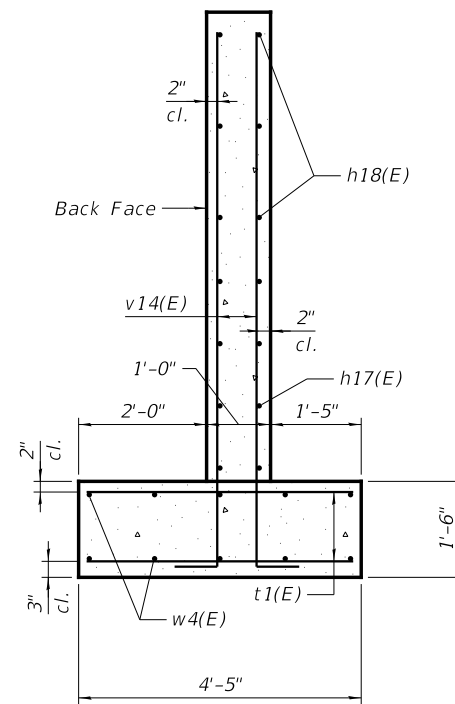
W. ABUTMENT WB
STRUCTURE NO. 022-0577 WB

SHEET NO. 55 OF 70 SHEETS

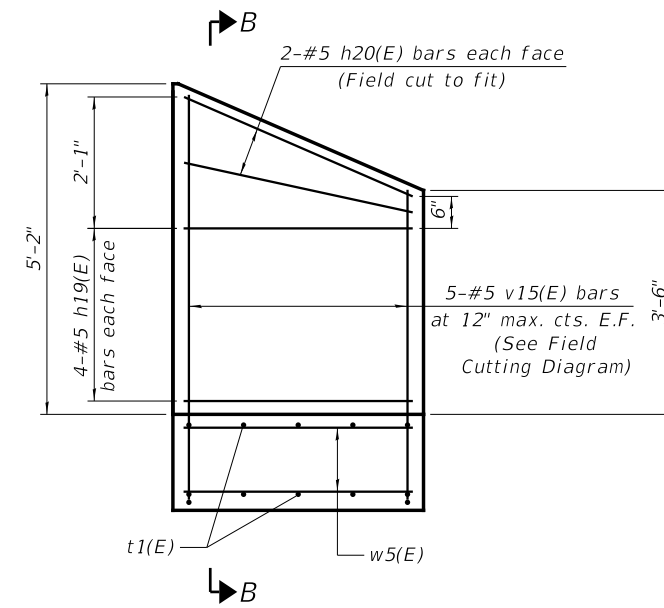
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	210
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				



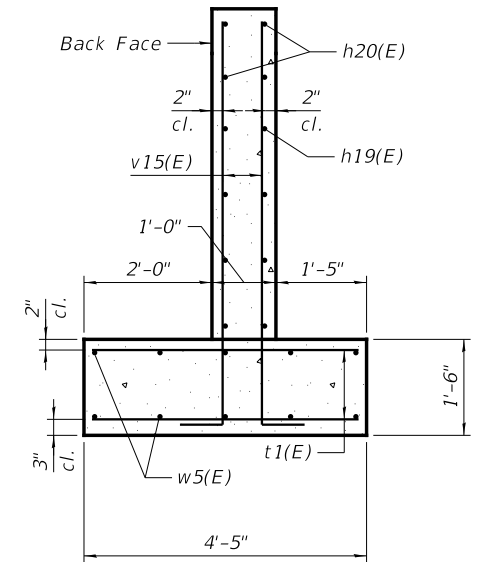
E. & W. ABUT. WING EXTENSION (WB) - ELEVATION



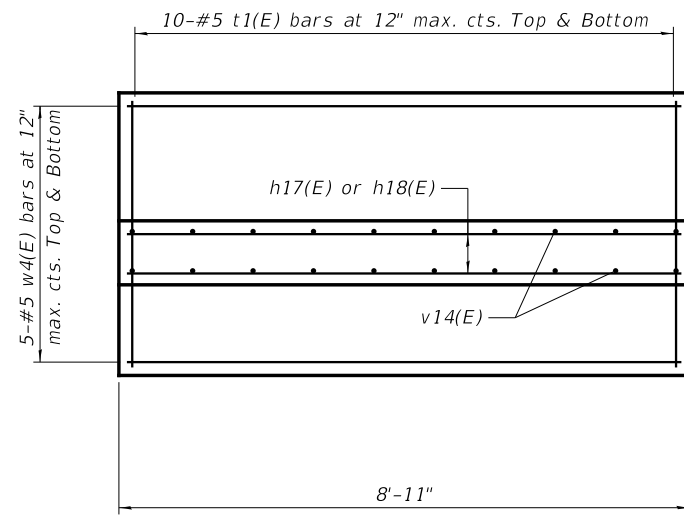
SECTION A-A



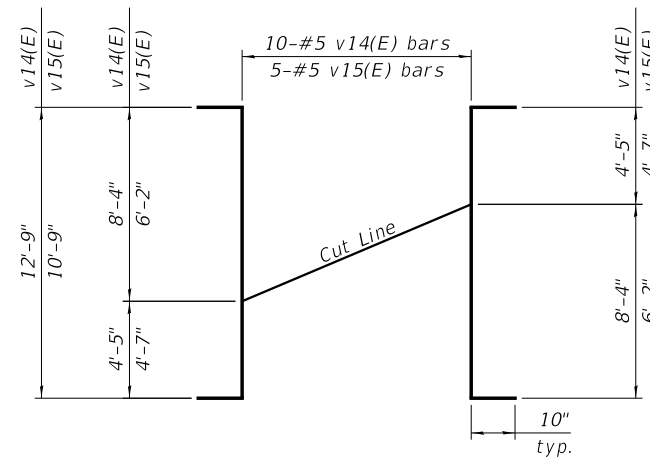
E. & W. ABUT. WING EXTENSION (EB) - ELEVATION



SECTION B-B

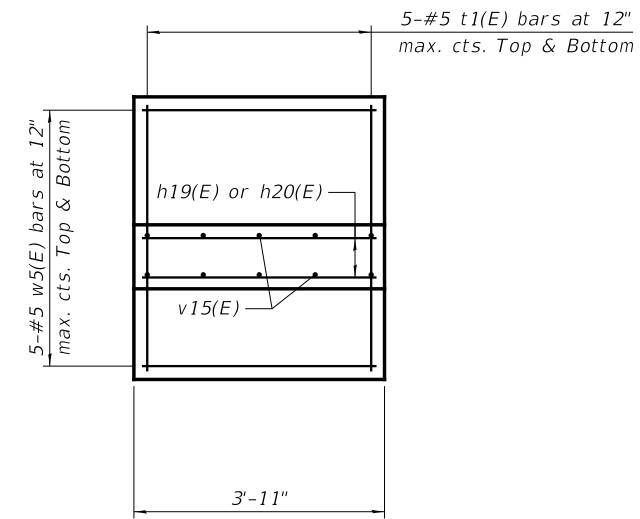


E. & W. ABUT. WING EXTENSION (WB) - FOOTING PLAN



FIELD CUTTING DIAGRAM

Order v14(E) and v15(E) full length.
Cut as shown and use remainder
of bars in opposite face.



E. & W. ABUT. WING EXTENSION (EB) - FOOTING PLAN

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PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS I
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 56 OF 70 SHEETS

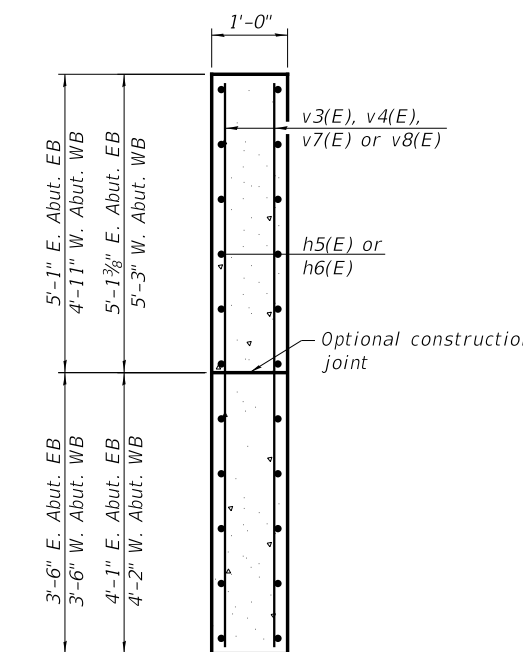
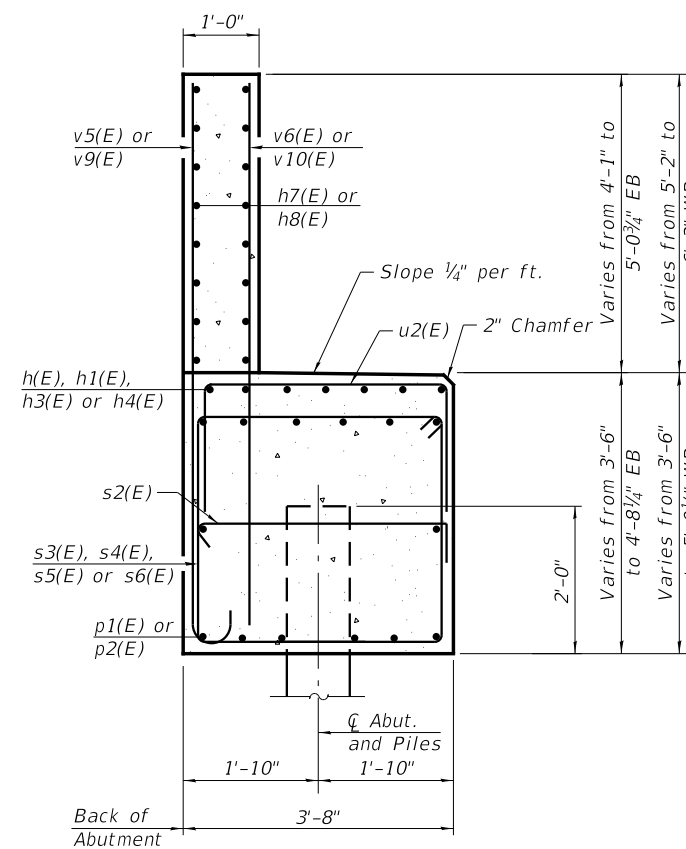
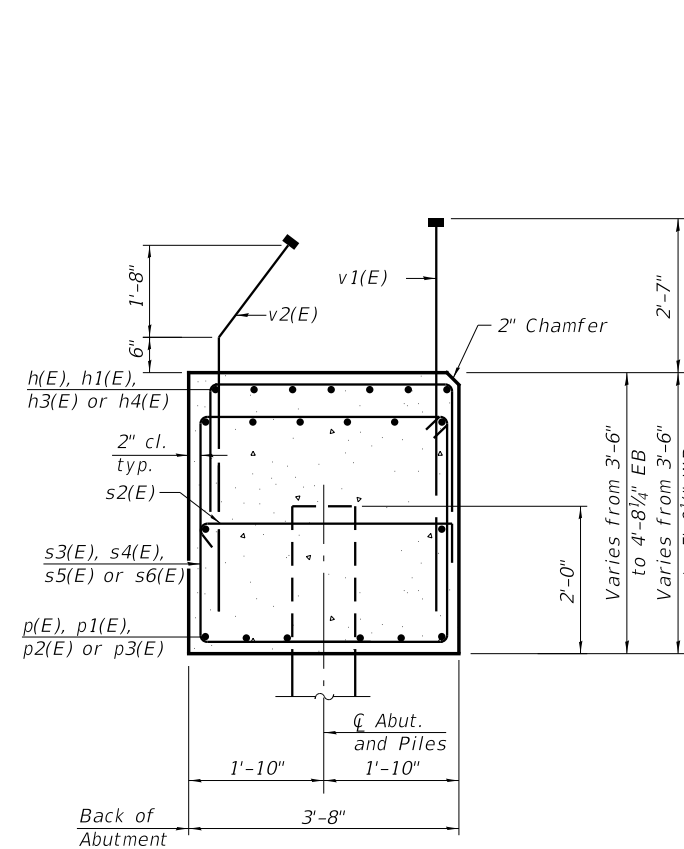
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	211
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

**E. & W. ABUTMENT EB
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	24	#4	18'-1"	—
h2(E)	4	#5	9'-9"	—
h3(E)	12	#4	26'-0"	—
h5(E)	32	#7	13'-8"	—
h6(E)	10	#7	20'-1"	—
h8(E)	28	#5	9'-1"	—
h19(E)	16	#5	3'-7"	—
h20(E)	8	#5	3'-11"	—
p2(E)	56	#7	23'-5"	—
p3(E)	56	#7	26'-8"	—
s2(E)	44	#5	4'-4"	⌋
s3(E)	156	#5	13'-11"	⌋
s4(E)	4	#5	14'-7"	⌋
t1(E)	20	#5	4'-1"	—
u(E)	16	#6	11'-3"	⌋
u1(E)	8	#5	9'-6"	⌋
u2(E)	103	#5	8'-0"	⌋
v1(E)	124	#8	5'-11"	—
v2(E)	124	#8	6'-2"	—
v7(E)	8	#5	8'-5"	—
v8(E)	16	#5	12'-9"	—
v9(E)	22	#7	10'-4"	—
v10(E)	22	#5	8'-11"	—
v15(E)	10	#5	12'-5"	—
w5(E)	20	#5	3'-7"	—
Structure Excavation		Cu. Yd.	390	
Concrete Structures		Cu. Yd.	96.6	
Reinforcement Bars, Epoxy Coated		Pound	16,910	
Furnishing Steel Piles HP12x53		Foot	1,630	
Driving Piles		Foot	1,630	
Test Pile Steel HP12x53		Each	2	
Pile Shoes		Each	22	
Concrete Sealer		Sq. Ft.	223	
Geocomposite Wall Drain		Sq. Yd.	153	
Pipe Underdrains for Structures 4"		Foot	189	
Granular Backfill for Structures		Cu. Yd.	293	

**E. & W. ABUTMENT WB
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	24	#4	18'-1"	—
h1(E)	18	#4	8'-7"	—
h2(E)	4	#5	9'-9"	—
h4(E)	6	#4	7'-11"	—
h5(E)	40	#7	13'-8"	—
h6(E)	12	#7	20'-1"	—
h7(E)	28	#5	8'-8"	—
h17(E)	12	#5	8'-7"	—
h18(E)	16	#5	9'-5"	—
p(E)	28	#7	23'-2"	—
p1(E)	56	#7	31'-0"	—
s2(E)	44	#5	4'-4"	⌋
s3(E)	55	#5	13'-11"	⌋
s4(E)	2	#5	14'-7"	⌋
s5(E)	97	#5	14'-3"	⌋
s6(E)	6	#5	14'-11"	⌋
t1(E)	40	#5	4'-1"	—
u(E)	32	#6	11'-3"	⌋
u1(E)	16	#5	9'-6"	⌋
u2(E)	106	#5	8'-0"	⌋
v1(E)	124	#8	5'-11"	—
v2(E)	124	#8	6'-2"	—
v3(E)	20	#5	14'-9"	—
v4(E)	8	#5	9'-1"	—
v5(E)	20	#7	10'-6"	—
v6(E)	20	#5	9'-3"	—
v14(E)	20	#5	14'-5"	—
w4(E)	20	#5	8'-7"	—
Structure Excavation		Cu. Yd.	445	
Concrete Structures		Cu. Yd.	112.4	
Reinforcement Bars, Epoxy Coated		Pound	17,280	
Bar Splicers		Each	24	
Furnishing Steel Piles HP12x53		Foot	1,771	
Driving Piles		Foot	1,771	
Pile Shoes		Each	22	
Concrete Sealer		Sq. Ft.	336	
Geocomposite Wall Drain		Sq. Yd.	168	
Pipe Underdrains for Structures 4"		Foot	198	
Granular Backfill for Structures		Cu. Yd.	332	

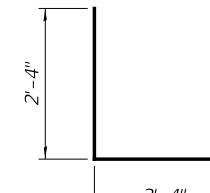
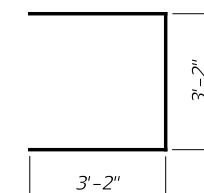
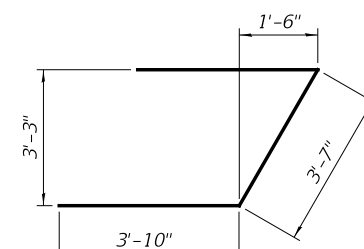
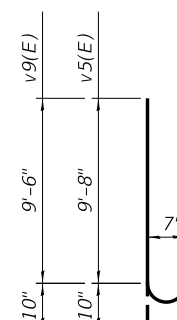
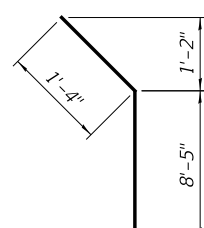
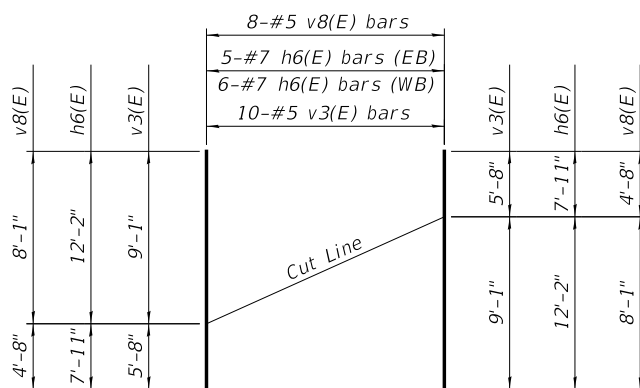
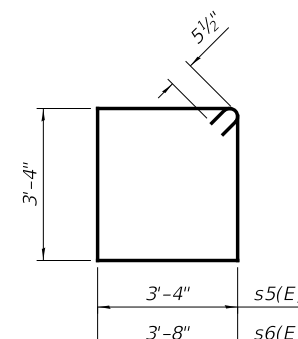
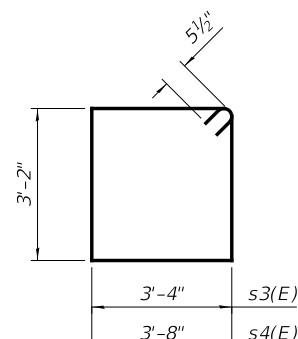
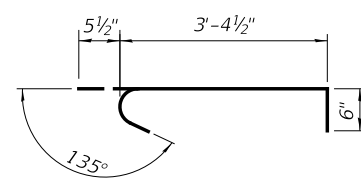
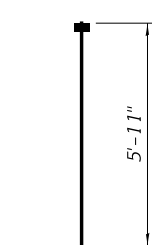
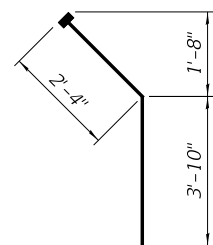


SEC. THRU ABUT.

Dimensions at right angles to abutment.

SECTION A-A

SECTION B-B



Notes:
For location of Section A-A & B-B see sheets 46 & 47, 54 & 55 of 70.
For details of piles, see sheet 58 of 70.
For details of Bar Splicers, see sheet 59 of 70.

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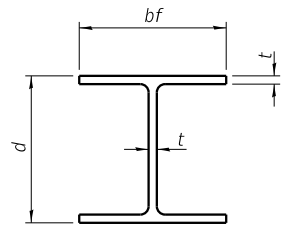
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PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS II
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

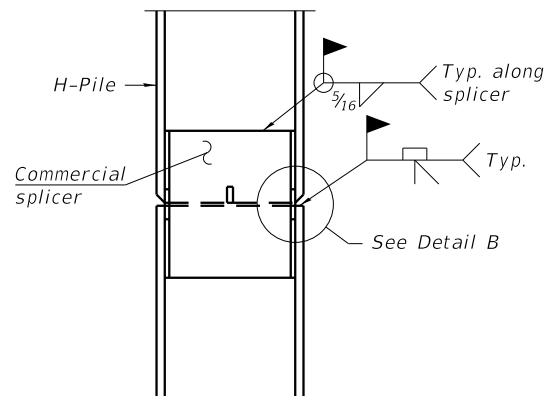
SHEET NO. 57 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	212
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

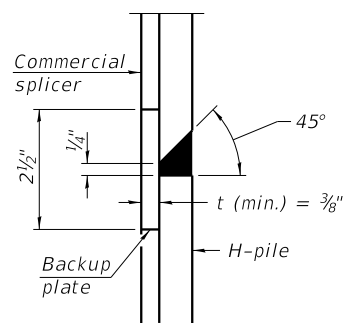


STEEL PILE TABLE

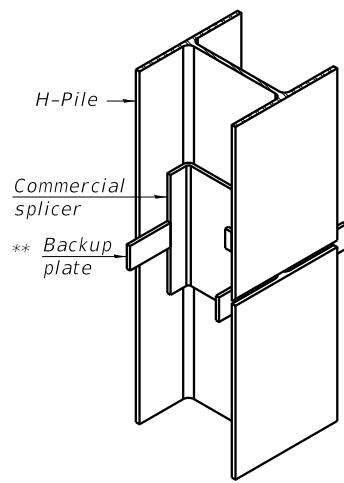
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

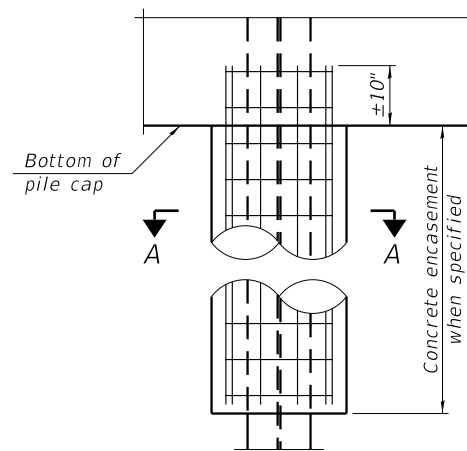


DETAIL "B"

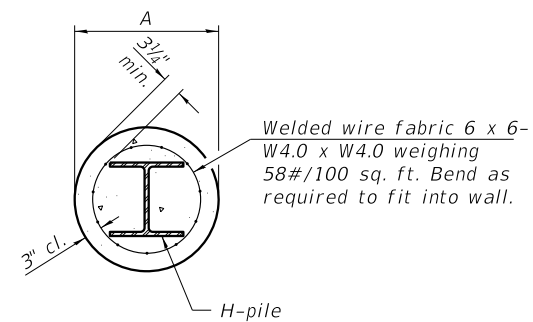


ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE

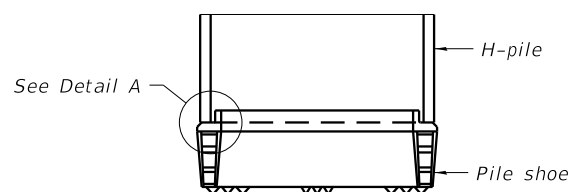


ELEVATION

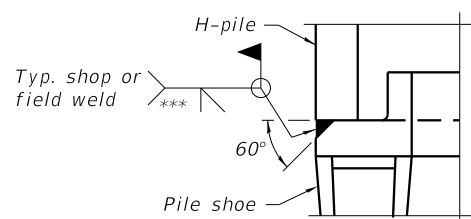


SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT
 (Forms for encasement may be omitted when soil conditions permit).



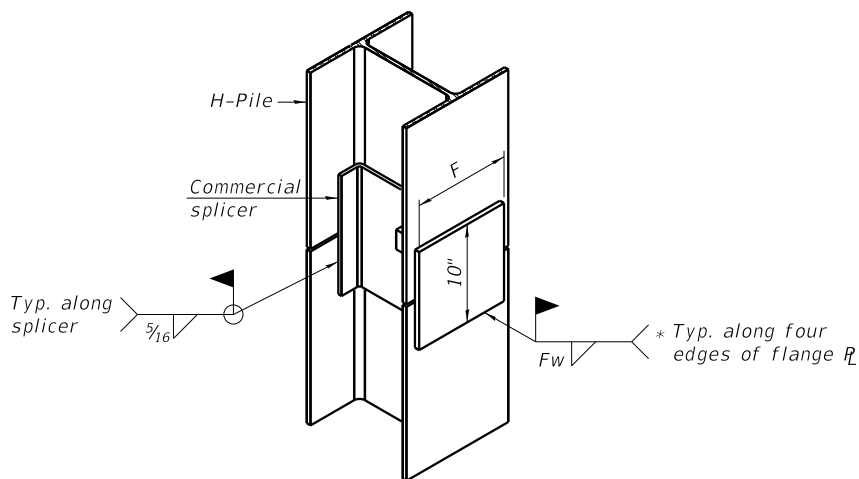
ELEVATION



DETAIL A

SHOE ATTACHMENT

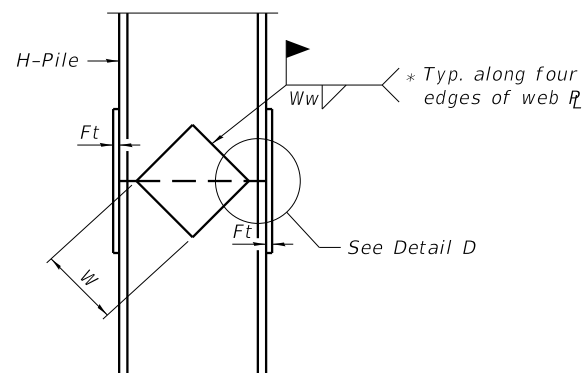
Note:
 The steel H-piles shall be according to AASHTO M270 Grade 50.



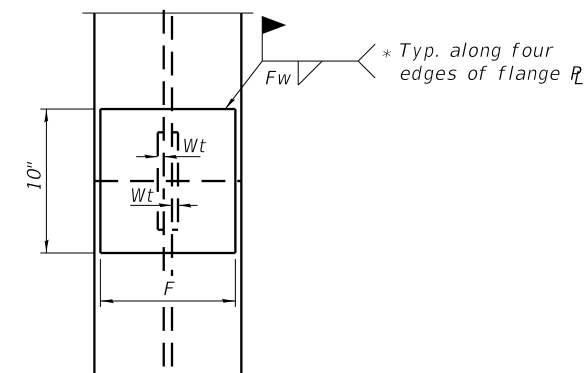
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

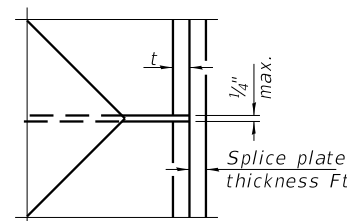
- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



ELEVATION



END VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

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F-HP

8-11-2017



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 TEL: (312) 782-8180
 FAX: (312) 782-1884

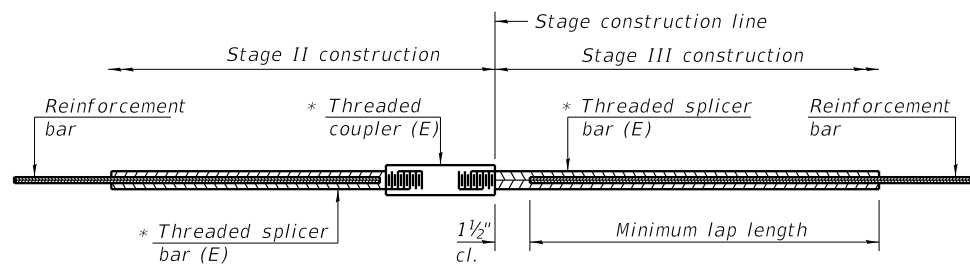
USER NAME = pateld	DESIGNED - PJL	REVISIONS -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISIONS -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISIONS -
	CHECKED - AH	REVISIONS -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
 STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 58 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	213
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

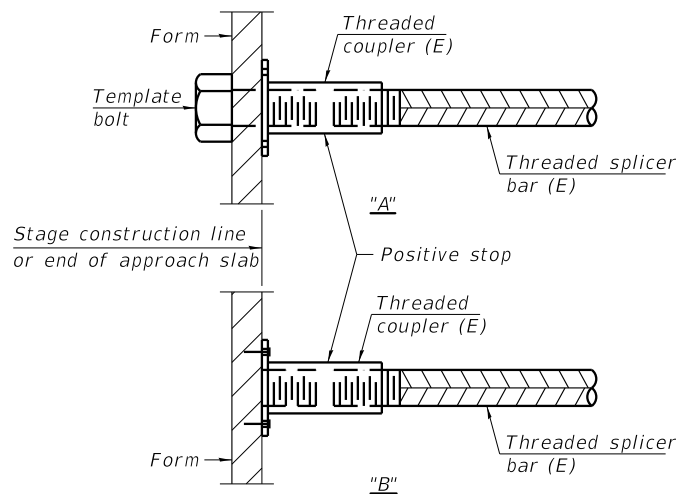


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

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

Location	Bar size	No. assemblies required	Minimum lap length
Deck	#5	597	3'-6"
Abutment Diaphragm	#6	22	4'-0"
Pier Diaphragm	#6	20	4'-0"
Approach Slab	#5	164	3'-4"
Approach Slab	#8	110	4'-9"
Abutment	#7	24	5'-0"
Pier 1	#5	42	3'-2"
Pier 1	#9	8	6'-3"
Pier 2	#5	44	3'-2"
Pier 2	#9	8	6'-3"



INSTALLATION AND SETTING METHODS

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

NOTES

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

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WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4000
 CHICAGO, IL 60602
 TEL: (312) 782-8180
 FAX: (312) 782-1884

USER NAME = pateld	DESIGNED - NJP	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PAL	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

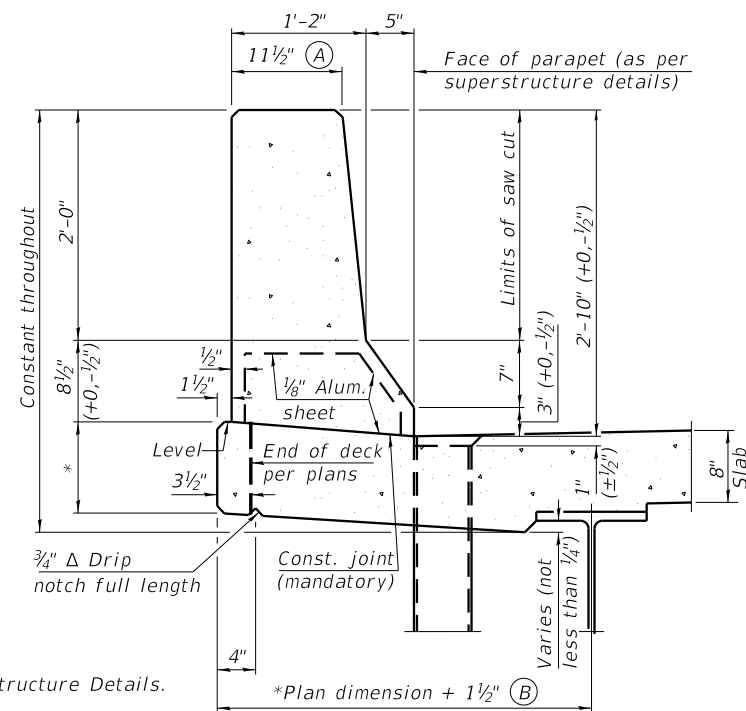
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 022-0547 EB & 022-0577 WB

SHEET NO. 59 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	214
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

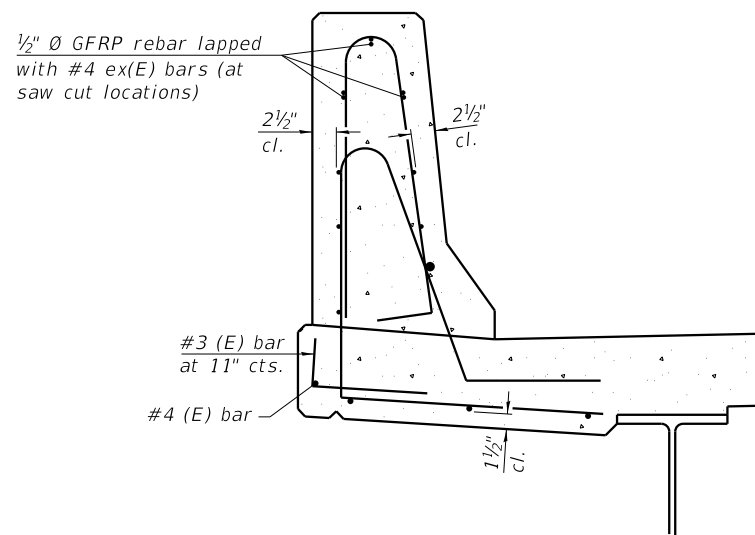
GENERAL NOTES

All dimensions shall remain the same as shown on superstructure details, except dimensions A and B which are to be revised as shown to provide additional clearance. Additional concrete needed to revise dimension A and B = 0.0165 cu. yds./ft. for 34" parapet or = 0.0223 cu. yds./ft. for 42" parapet.
Place aluminum sheet in curb portion at and near piers. Full thickness saw cut at all joint locations in lieu of cork joint filler.
Steel superstructure shown. Other superstructure types similar.



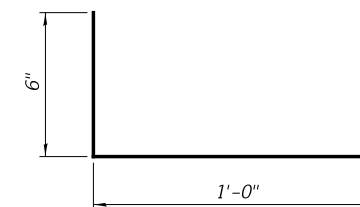
34" F SHAPE PARAPET SECTION
(Showing dimensions)

*See Superstructure Details.

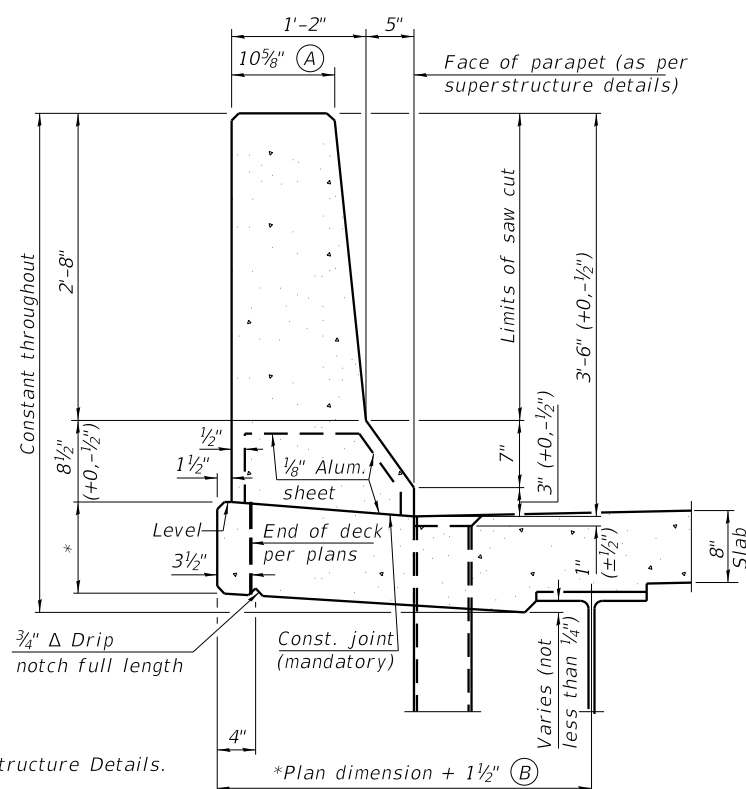


SECTION

(34" parapet shown - 42" parapet similar)
(Showing reinforcement clearances for slip forming and additional reinforcement bars)

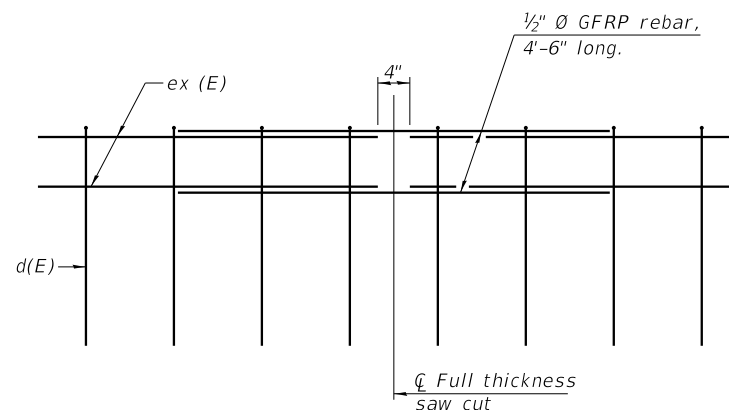


#3 (E) BAR



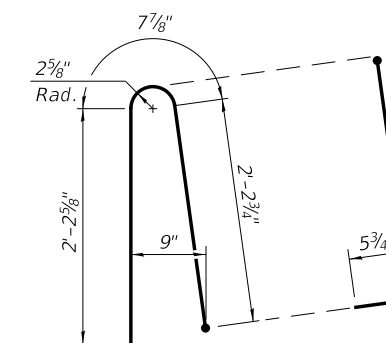
42" F SHAPE PARAPET SECTION
(Showing dimensions)

*See Superstructure Details.

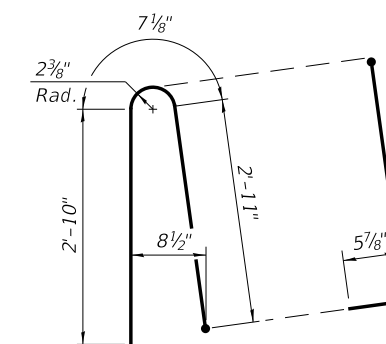


GFRP REBAR STIFFENING DETAIL

(Place as shown in parapet section at each parapet joint location.)



ALTERNATE BAR d(E)
(For 34" parapet when conduit is present)



ALTERNATE BAR d(E)
(For 42" parapet when conduit is present)

SFP 34-42

2-17-2017



WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8180
FAX: (312) 782-1884

USER NAME = patfeld	DESIGNED - P.JL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONCRETE PARAPET SLIPFORMING OPTION
STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 60 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	215
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT

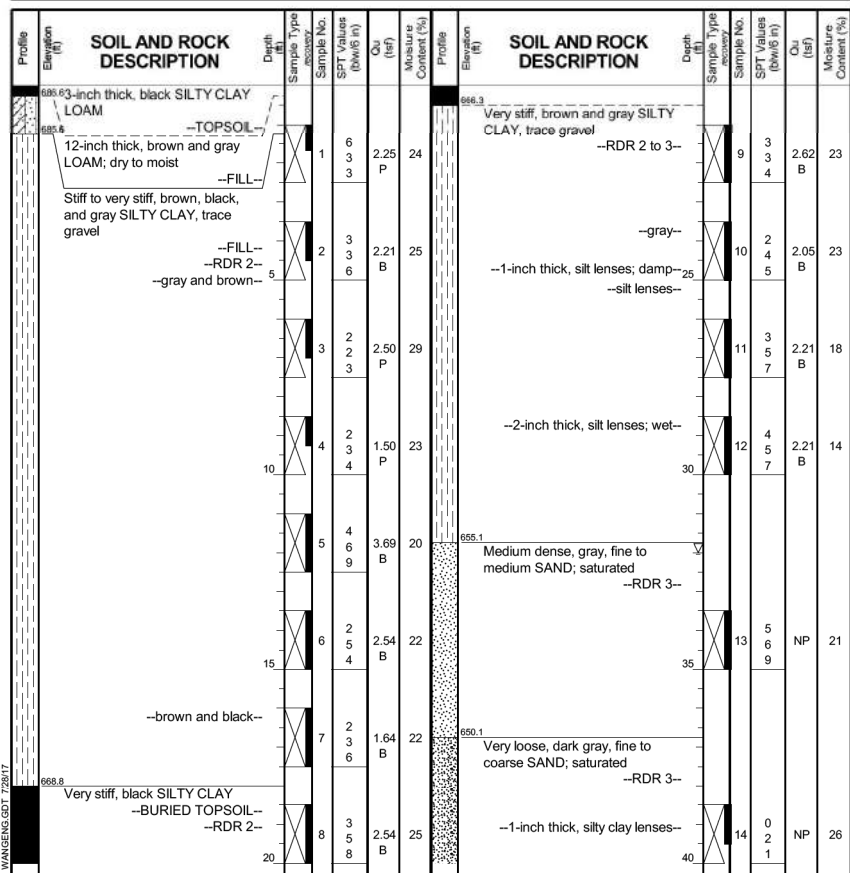
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Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG BSB-01
 WEI Job No.: 107-09-01
 Client: **WSP USA, Inc.**
 Project: **Interstate 290 over Salt Creek**
 Location: **DuPage County, IL**

Datum: NAVD 88
 Elevation: 686.82 ft
 North: 1921050.23 ft
 East: 1078962.09 ft
 Station: 1144+27.96
 Offset: 73.93 RT

Page 1 of 3



GENERAL NOTES
 Begin Drilling 02-23-2017 Complete Drilling 02-24-2017
 Drilling Contractor Wang Testing Services, Drill Rig
 Driller RR&KG, Logger J. Foote, Checked by C. Marin
 Drilling Method 3.25" IDA HSA; autohammer; backfilled with liquid grout and bentonite chips upon completion

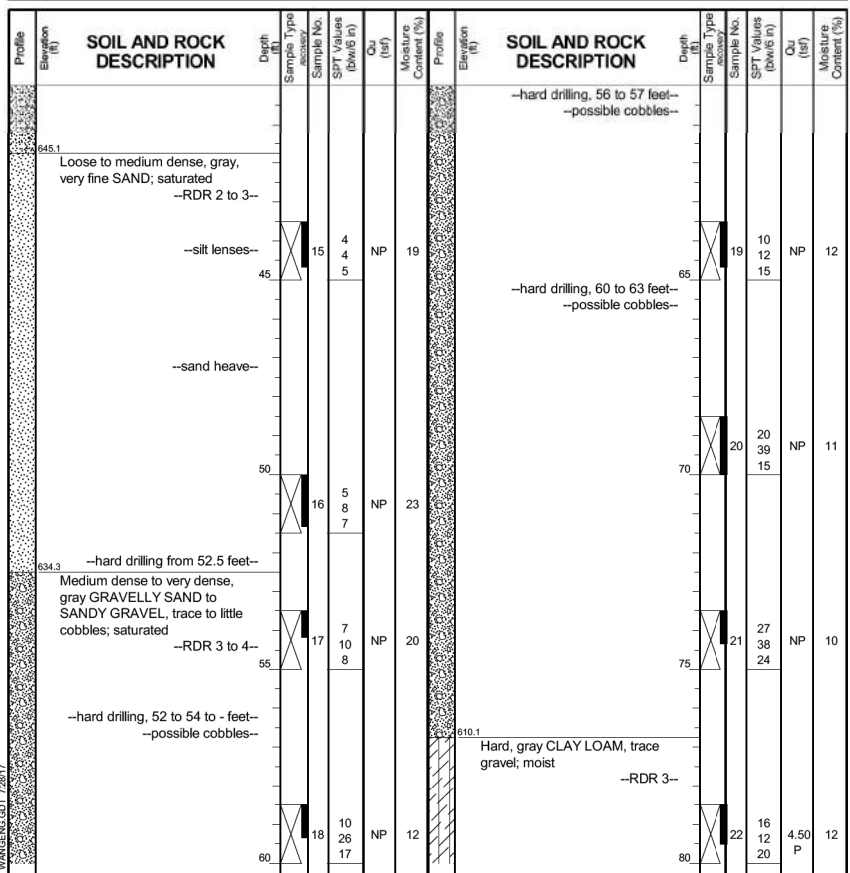
WATER LEVEL DATA
 While Drilling 32.00 ft
 At Completion of Drilling 90.00 ft
 Time After Drilling NA
 Depth to Water NA

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

BORING LOG BSB-01
 WEI Job No.: 107-09-01
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Page 2 of 3



GENERAL NOTES
 Begin Drilling 02-23-2017 Complete Drilling 02-24-2017
 Drilling Contractor Wang Testing Services, Drill Rig
 Driller RR&KG, Logger J. Foote, Checked by C. Marin
 Drilling Method 3.25" IDA HSA; autohammer; backfilled with liquid grout and bentonite chips upon completion

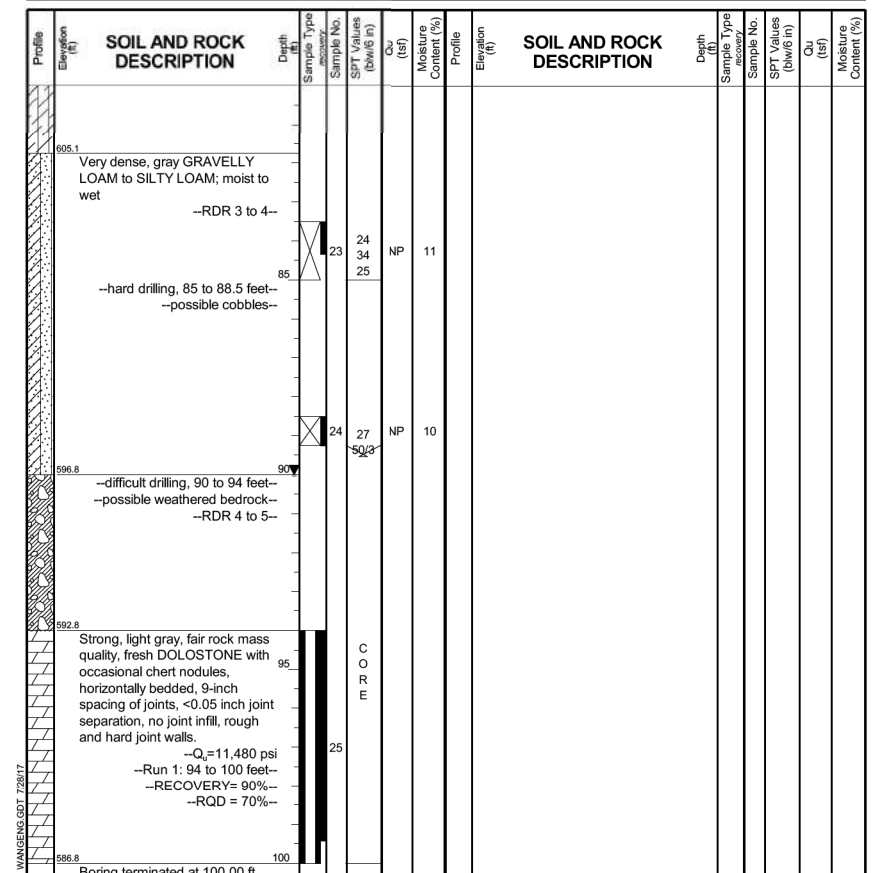
WATER LEVEL DATA
 While Drilling 32.00 ft
 At Completion of Drilling 90.00 ft
 Time After Drilling NA
 Depth to Water NA

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

BORING LOG BSB-01
 WEI Job No.: 107-09-01
 Client: **WSP USA, Inc.**
 Project: **Interstate 290 over Salt Creek**
 Location: **DuPage County, IL**

Datum: NAVD 88
 Elevation: 686.82 ft
 North: 1921050.23 ft
 East: 1078962.09 ft
 Station: 1144+27.96
 Offset: 73.93 RT

Page 3 of 3



GENERAL NOTES
 Begin Drilling 02-23-2017 Complete Drilling 02-24-2017
 Drilling Contractor Wang Testing Services, Drill Rig
 Driller RR&KG, Logger J. Foote, Checked by C. Marin
 Drilling Method 3.25" IDA HSA; autohammer; backfilled with liquid grout and bentonite chips upon completion

WATER LEVEL DATA
 While Drilling 32.00 ft
 At Completion of Drilling 90.00 ft
 Time After Drilling NA
 Depth to Water NA

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Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)
685.2	0.2-inch thick black LOAM --TOPSOIL--						684.7	--RDR 2--					
684.2	Brown SANDY GRAVEL --BASE COURSE-- Very stiff to hard, brown, gray, and black SILTY CLAY LOAM, trace to little gravel	1	2	2.00	21		684.7	Loose to medium dense, gray SILT, trace organic matter, moist to wet	9	3	4	NP	22
	--RDR 2-- --FILL-- --gray to brown--	2	3	3.28	24		684.7	--RDR 2--	10	4	5	NP	22
		3	4	2.75	18		684.7		11	5	8	1.89	20
		4	5	2.00	22		684.7	Stiff to very stiff, gray SILTY CLAY, trace gravel; damp	12	6	7	NP	14
		5	6	2.21	21		684.7	--RDR 2--	13	7	9	2.21	20
	--gray--	6	7	4.10	14		684.7		14	8	5	1.20	14
		7	8	3.44	27		684.7	Stiff, gray CLAY LOAM, trace gravel; damp	15	9	10	NP	26
		8	9	2.38	25		684.7	--RDR 2--	16	10	11	NP	11
668.5	Very stiff, black SILTY CLAY LOAM; moist --BURIED TOPSOIL-- --RDR 2--	15	10	6.15	14		684.7		17	11	12	NP	24
666.2	Stiff, black SILTY CLAY, trace gravel	20	11	3.03	22		684.7	--silt and sand lenses; saturated--	18	12	7	NP	11

GENERAL NOTES
 Begin Drilling 02-21-2017 Complete Drilling 02-21-2017
 Drilling Contractor Wang Testing Services Drill Rig
 Driller RR&KG Logger M. Schmelzel Checked by C. Marin
 Drilling Method 2.25" IDA HSA to 21ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon

WATER LEVEL DATA
 While Drilling 25.00 ft
 At Completion of Drilling NA
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)		
643.6	Medium dense, gray, medium to coarse SAND, few 1-inch thick silt laminations; wet	45	15	6	7	9	623.5	Hard, gray CLAY LOAM, some gravel; damp	65	19	6	9	4.50	11	
638.5	Medium dense to dense, gray, very fine SAND; wet to saturated	50	16	7	10	9	618.5	Hard, gray SILTY CLAY LOAM, trace gravel; damp	70	20	12	12	15	14	
638.5		55	17	6	9	22	613.5	Very stiff, gray CLAY; damp	75	21	8	9	10	3.03	22
628.5	Medium dense, gray GRAVELLY SANDY LOAM; moist	60	18	13	12	7	608.5	Medium dense, gray SILT; saturated	80	22	11	12	16	NP	24

GENERAL NOTES
 Begin Drilling 02-21-2017 Complete Drilling 02-21-2017
 Drilling Contractor Wang Testing Services Drill Rig
 Driller RR&KG Logger M. Schmelzel Checked by C. Marin
 Drilling Method 2.25" IDA HSA to 21ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon

WATER LEVEL DATA
 While Drilling 25.00 ft
 At Completion of Drilling NA
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Cu (tsf)	Moisture Content (%)
604.2	Light gray, medium SAND; saturated --hard drilling, from 81 feet-- --possible cobbles--	85	23	26	26	33	611.5	Very dense, light gray GRAVEL, trace cobbles; wet	85	23	26	26	33
604.2		90	24	17	64	15	611.5	Hard, gray SILTY CLAY LOAM, some gravel, few silt lenses; moist	90	24	17	64	15
599.2	Hard, gray SILTY CLAY LOAM, some gravel, few silt lenses; moist	90	24	17	64	15	611.5	--RDR 4--	95	25	11	12	16
593.2	--difficult drilling from 92 feet-- --RDR 5-- --WEATHERED BEDROCK--	95	25	11	12	16	611.5	--DRILLING REFUSAL--	95	25	11	12	16
591.2	--DRILLING REFUSAL-- Boring terminated at 94.00 ft	95	25	11	12	16	611.5		95	25	11	12	16

GENERAL NOTES
 Begin Drilling 02-21-2017 Complete Drilling 02-21-2017
 Drilling Contractor Wang Testing Services Drill Rig
 Driller RR&KG Logger M. Schmelzel Checked by C. Marin
 Drilling Method 2.25" IDA HSA to 21ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon

WATER LEVEL DATA
 While Drilling 25.00 ft
 At Completion of Drilling NA
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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WSP USA Inc. 30 N. LASALLE STREET SUITE 400 CHICAGO, IL 60602 TEL: (312) 782-8180 FAX: (312) 782-1884	USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -	
PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS II
 STRUCTURE NO. 022-0547 EB & 022-0577 WB**

SHEET NO. 62 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	217
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
881.2	6-inch thick, black SILTY CLAY LOAM --TOPSOIL-- Stiff to very stiff, gray SILTY CLAY --FILL--	1	5	3.20	21		881.2	Loose, gray, coarse SAND; saturated --RDR 2--	9	2	4	NP	23
		2	3	3.69	22		868.7	Very stiff to hard, gray SILTY CLAY, trace gravel; moist --RDR 3--	10	4	3	2.79	21
		3	3	1.48	24				11	5	7	3.28	20
		4	2	1.80	25				12	3	4	4.52	16
		5	13	2.13	23		849.9	Loose, gray SILT; saturated --RDR 2--	13	5	5	NP	20
868.7	Very stiff, black SILTY CLAY LOAM --BURIED TOPSOIL--	6	3	2.30	24				14	4	5	NP	20
866.2	Loose, gray LOAM; wet to saturated --2-inch thick clay loam lenses--	7	2	NP	14				15	5	4	NP	20
863.7	Loose, gray SANDY LOAM; saturated --RDR 2-- --silt lamination--	8	4	NP	18		844.7	Stiff to very stiff, gray SILTY LOAM to SILTY CLAY LOAM, trace to little gravel; damp --RDR 3--	14	4	5	2.87	11
		20	4	NP	18				13	13	NP	11	

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-06-2017	Complete Drilling	03-07-2017
Drilling Contractor	Wang Testing Services	Drill Rig	
Driller	KS&NC	Logger	J. Foote
Checked by	C. Marin	Depth to Water	NA
Drilling Method	3.25" IDA HSA to 30ft then mud rotary; autohammer;		
	backfilled with liquid grout and bentonite chips upon		

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
		15	3	1.72	16		819.9	Hard, gray SILTY LOAM to SILTY CLAY LOAM, trace to little gravel; damp to moist --RDR 3 to 4--	19	6	7	3.53	17
		16	3	1.39	15				20	15	19	2.50	11
		17	5	NP	22				21	7	25	8.20	13
		18	8	4.50	11				22	26	32	8.20	15
		19	14	NP	11				23	26	32	8.20	15
		20	13	NP	11				24	26	32	8.20	15

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-06-2017	Complete Drilling	03-07-2017
Drilling Contractor	Wang Testing Services	Drill Rig	
Driller	KS&NC	Logger	J. Foote
Checked by	C. Marin	Depth to Water	NA
Drilling Method	3.25" IDA HSA to 30ft then mud rotary; autohammer;		
	backfilled with liquid grout and bentonite chips upon		

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
		23	9	8.69	17				23	9	8.69	17	
		24	50/2	4.50	13				24	50/2	4.50	13	
		25	NR				891.7	--difficult drilling from 90 feet-- --RDR 5-- --WEATHERED BEDROCK-- --DRILLING REFUSAL-- Boring terminated at 91.20 ft	25	NR			

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-06-2017	Complete Drilling	03-07-2017
Drilling Contractor	Wang Testing Services	Drill Rig	
Driller	KS&NC	Logger	J. Foote
Checked by	C. Marin	Depth to Water	NA
Drilling Method	3.25" IDA HSA to 30ft then mud rotary; autohammer;		
	backfilled with liquid grout and bentonite chips upon		

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WSP USA Inc.
 30 N LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8180
 FAX: (312) 782-1884

USER NAME =	pateld	DESIGNED -	PJL	REVISED -	
		CHECKED -	AH	REVISED -	
PLOT SCALE =	N.T.S.	DRAWN -	DCP	REVISED -	
PLOT DATE =	12/15/2017	CHECKED -	AH	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS IV
STRUCTURE NO. 022-0547 EB & 022-0577 WB

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	219
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

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

BORING LOG BSB-05
 WEI Job No.: 107-09-01

Datum: NAVD 88
 Elevation: 682.99 ft
 North: 1920821.06 ft
 East: 1079082.74 ft
 Station: 1141+78.46
 Offset: 11.43 RT

Client: **WSP USA, Inc.**
 Project: **Interstate 290 over Salt Creek**
 Location: **DuPage County, IL**

SOIL AND ROCK DESCRIPTION				SOIL AND ROCK DESCRIPTION			
Profile Elevation (ft)	Depth (ft)	Sample Type	Moisture Content (%)	Profile Elevation (ft)	Depth (ft)	Sample Type	Moisture Content (%)
682.0	0.0	2-inch thick, black SILTY LOAM -TOPSOIL		682.5	0.0	Medium dense, gray, fine to coarse SAND; wet to saturated	
681.3	0.7	1.3-inch thick, loose, brown GRAVELLY SANDY LOAM; wet -FILL-	15	641.2	41.3	Very dense, gray SILT; saturated -RDR 3-	15
680.0	2.0	Stiff to very stiff, brown, black, and gray SILTY CLAY, trace gravel -RDR 2--FILL-	21	638.0	44.5	--silt lenses; wet--	15
670.0	10.0	--hard drilling, light rig chatter-- Medium dense, brown SANDY GRAVEL; moist -RDR 3--FILL-	10	616.2	66.3	Dense, gray SANDY GRAVEL; saturated -RDR 3-	12
667.5	12.5	Medium stiff to stiff, gray and brown SILTY CLAY LOAM, trace to little gravel; moist -RDR 2--FILL-	20	611.2	71.3	Dense, gray SILT; saturated -RDR 3-	16
651.2	30.8	Stiff, gray CLAY LOAM, trace gravel; moist -RDR 2-	24	601.0	81.5	Very dense, gray SILTY LOAM, trace gravel; dry -RDR 4-	12
638.0	44.5	Stiff to very stiff, gray SILTY CLAY, trace gravel; moist -RDR 3-	17	598.0	84.5	--hard drilling, at 85 feet-- Very dense, gray SANDY GRAVEL, few clay lenses; wet -RDR 4-	15
628.7	53.7	--silt lenses; wet--	21	592.0	90.0	Strong, light gray, fair to good rock mass quality, slightly vuggy, fresh DOLOSTONE with occasional chert nodules, horizontally bedded, 6-inch spacing of joints, <0.05 inch joint separation, no joint infill, rough and hard joint walls.	15
625.0	57.5	--hard drilling-- --drilling fluid loss--	19	587.0	95.0	-Q=8,290 psi -Run 1: 91 to 96 feet-- -RECOVERY = 100%-- -RQD = 75%--	11
620.0	62.5	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace to little gravel; dry to damp -RDR 3-	12			Boring terminated at 96.00 ft	
618.0	64.5	Hard, gray SILTY CLAY LOAM, trace gravel; moist -RDR 3-	11				
610.0	72.5		11				
608.0	74.5		12				

GENERAL NOTES
 Begin Drilling 02-21-2017 Complete Drilling 02-27-2017
 Drilling Contractor Wang Testing Services Drill Rig
 Driller RH&NC Logger J. Foote Checked by C. Marin
 Drilling Method 2.25" IDA HSA to 10ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon

WATER LEVEL DATA
 While Drilling 20.00 ft
 At Completion of Drilling 17.00 ft
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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

BORING LOG BSB-05
 WEI Job No.: 107-09-01

Datum: NAVD 88
 Elevation: 682.99 ft
 North: 1920821.06 ft
 East: 1079082.74 ft
 Station: 1141+78.46
 Offset: 11.43 RT

Client: **WSP USA, Inc.**
 Project: **Interstate 290 over Salt Creek**
 Location: **DuPage County, IL**

SOIL AND ROCK DESCRIPTION				SOIL AND ROCK DESCRIPTION			
Profile Elevation (ft)	Depth (ft)	Sample Type	Moisture Content (%)	Profile Elevation (ft)	Depth (ft)	Sample Type	Moisture Content (%)
641.2	41.3	Very dense, gray SILT; saturated -RDR 3-	15	616.2	66.3	Dense, gray SILT; saturated -RDR 3-	12
638.0	44.5	--silt lenses; wet--	15	611.2	71.3	Dense, gray SILT; saturated -RDR 3-	16
630.0	52.5	--hard drilling, rig chatter at 45 feet--	14	611.2	71.3	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace to little gravel; dry to damp -RDR 3-	16
628.7	53.7	Dense, gray SANDY GRAVEL; saturated -RDR 3-	12	601.0	81.5	Very dense, gray SILTY LOAM, trace gravel; dry -RDR 4-	12
625.0	57.5	--silt lenses; wet--	19	598.0	84.5	--hard drilling, at 85 feet-- Very dense, gray SANDY GRAVEL, few clay lenses; wet -RDR 4-	15
620.0	62.5	--hard drilling-- --drilling fluid loss--	12	592.0	90.0	Strong, light gray, fair to good rock mass quality, slightly vuggy, fresh DOLOSTONE with occasional chert nodules, horizontally bedded, 6-inch spacing of joints, <0.05 inch joint separation, no joint infill, rough and hard joint walls.	15
618.0	64.5	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace to little gravel; dry to damp -RDR 3-	11	587.0	95.0	-Q=8,290 psi -Run 1: 91 to 96 feet-- -RECOVERY = 100%-- -RQD = 75%--	11
610.0	72.5	Hard, gray SILTY CLAY LOAM, trace gravel; moist -RDR 3-	11			Boring terminated at 96.00 ft	
608.0	74.5		12				

GENERAL NOTES
 Begin Drilling 02-21-2017 Complete Drilling 02-27-2017
 Drilling Contractor Wang Testing Services Drill Rig
 Driller RH&NC Logger J. Foote Checked by C. Marin
 Drilling Method 2.25" IDA HSA to 10ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon

WATER LEVEL DATA
 While Drilling 20.00 ft
 At Completion of Drilling 17.00 ft
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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

BORING LOG BSB-05
 WEI Job No.: 107-09-01

Datum: NAVD 88
 Elevation: 682.99 ft
 North: 1920821.06 ft
 East: 1079082.74 ft
 Station: 1141+78.46
 Offset: 11.43 RT

Client: **WSP USA, Inc.**
 Project: **Interstate 290 over Salt Creek**
 Location: **DuPage County, IL**

SOIL AND ROCK DESCRIPTION				SOIL AND ROCK DESCRIPTION			
Profile Elevation (ft)	Depth (ft)	Sample Type	Moisture Content (%)	Profile Elevation (ft)	Depth (ft)	Sample Type	Moisture Content (%)
641.2	41.3	Very dense, gray SILT; saturated -RDR 3-	15	616.2	66.3	Dense, gray SILT; saturated -RDR 3-	12
638.0	44.5	--silt lenses; wet--	15	611.2	71.3	Dense, gray SILT; saturated -RDR 3-	16
630.0	52.5	--hard drilling, rig chatter at 45 feet--	14	611.2	71.3	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace to little gravel; dry to damp -RDR 3-	16
628.7	53.7	Dense, gray SANDY GRAVEL; saturated -RDR 3-	12	601.0	81.5	Very dense, gray SILTY LOAM, trace gravel; dry -RDR 4-	12
625.0	57.5	--silt lenses; wet--	19	598.0	84.5	--hard drilling, at 85 feet-- Very dense, gray SANDY GRAVEL, few clay lenses; wet -RDR 4-	15
620.0	62.5	--hard drilling-- --drilling fluid loss--	12	592.0	90.0	Strong, light gray, fair to good rock mass quality, slightly vuggy, fresh DOLOSTONE with occasional chert nodules, horizontally bedded, 6-inch spacing of joints, <0.05 inch joint separation, no joint infill, rough and hard joint walls.	15
618.0	64.5	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace to little gravel; dry to damp -RDR 3-	11	587.0	95.0	-Q=8,290 psi -Run 1: 91 to 96 feet-- -RECOVERY = 100%-- -RQD = 75%--	11
610.0	72.5	Hard, gray SILTY CLAY LOAM, trace gravel; moist -RDR 3-	11			Boring terminated at 96.00 ft	
608.0	74.5		12				

GENERAL NOTES
 Begin Drilling 02-21-2017 Complete Drilling 02-27-2017
 Drilling Contractor Wang Testing Services Drill Rig
 Driller RH&NC Logger J. Foote Checked by C. Marin
 Drilling Method 2.25" IDA HSA to 10ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon

WATER LEVEL DATA
 While Drilling 20.00 ft
 At Completion of Drilling 17.00 ft
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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USER NAME = pateld
 PLOT SCALE = N.T.S.
 PLOT DATE = 12/15/2017

DESIGNED - PJL
 CHECKED - AH
 DRAWN - DCP
 CHECKED - AH

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS V
 STRUCTURE NO. 022-0547 EB & 022-0577 WB**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	220
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

SHEET NO. 65 OF 70 SHEETS

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
682.1	22-inch thick, black SILTY LOAM -TOPSOIL-						682.6	Loose, gray, coarse SAND; saturated					
682.1	Light gray SANDY GRAVEL -FILL-	1	2	3.03	22		669.1	Stiff to very stiff, gray SILTY CLAY LOAM, trace gravel; damp	9	4	NP	24	
682.1	Very stiff to hard, brown SILTY CLAY, trace gravel; moist	4	6				669.1		10	3	1.89	17	
682.1		6	6	4.92	20		669.1		11	5	1.80	19	
682.1		10	3	3.69	22		669.1		12	3	2.21	18	
682.1		15	4	5.74	18		651.3	Stiff, gray SILTY LOAM, trace gravel; damp	13	7	1.15	14	
682.1		20	3	2.30	17		651.3		14	6	1.80	13	
670.1	Dense, brown SANDY GRAVEL; damp	18	NP				651.3		17	7	NR		
670.1		24	6				651.3		18	9	10		
670.1		15	2	1.31	24		651.3		18	6	1.89	10	
670.1		20	3	0.66	34		651.3		18	7	1.80	13	

GENERAL NOTES
 Begin Drilling 02-22-2017 Complete Drilling 02-22-2017
 Drilling Contractor **Wang Testing Services**, Drill Rig
 Driller **RR&KG**, Logger **M. Schmelzel**, Checked by **C. Marin**
 Drilling Method **2.25" IDA HSA to 21ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon**

WATER LEVEL DATA
 While Drilling 21.00 ft
 At Completion of Drilling NA
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
641.3	Medium stiff, gray SILTY CLAY LOAM, trace gravel; damp						616.3	Very dense, light gray GRAVEL, some rock fragments; damp					
638.8	Medium dense, gray, fine SAND; damp	15	6	0.57	15		616.3		19	8	3.75	12	
638.8		13	15				616.3		11	8			
636.3	Medium dense, gray SILT; saturated						616.3		20	40	NP	13	
636.3		16	14	NP	22		616.3		21	24	NP	13	
636.3		17	7	NR			616.3		22	21	40		
636.3		10	6	1.89	10		616.3		22	21	40		
636.3		7	9	10			616.3		22	21	40		
636.3		6	10	7			616.3		22	21	40		
636.3		18	6	1.89	10		616.3		22	21	40		

GENERAL NOTES
 Begin Drilling 02-22-2017 Complete Drilling 02-22-2017
 Drilling Contractor **Wang Testing Services**, Drill Rig
 Driller **RR&KG**, Logger **M. Schmelzel**, Checked by **C. Marin**
 Drilling Method **2.25" IDA HSA to 21ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon**

WATER LEVEL DATA
 While Drilling 21.00 ft
 At Completion of Drilling NA
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
601.1	Very dense, light gray GRAVELLY LOAM; damp						590.1	difficult drilling from 93 feet-- WEATHERED BEDROCK-- DRILLING REFUSAL--					
601.1		23	8	NP	10		589.1	Boring terminated at 94.00 ft					
601.1		24	90/2	NP	10								
601.1		24	40	62									
601.1		20	21	40									
601.1		22	21	40									
601.1		22	21	40									
601.1		22	21	40									
601.1		22	21	40									

GENERAL NOTES
 Begin Drilling 02-22-2017 Complete Drilling 02-22-2017
 Drilling Contractor **Wang Testing Services**, Drill Rig
 Driller **RR&KG**, Logger **M. Schmelzel**, Checked by **C. Marin**
 Drilling Method **2.25" IDA HSA to 21ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon**

WATER LEVEL DATA
 While Drilling 21.00 ft
 At Completion of Drilling NA
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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WSP USA Inc.
 30 N LASALLE STREET
 SUITE 4000
 CHICAGO, IL 60602
 TEL: (312) 782-8180
 FAX: (312) 782-1884

USER NAME = pateld
 DESIGNED - PJL
 CHECKED - AH
 PLOT SCALE = N.T.S.
 DRAWN - DCP
 PLOT DATE = 12/15/2017
 CHECKED - AH
 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS VI
STRUCTURE NO. 022-0547 EB & 022-0577 WB
 SHEET NO. 66 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	221
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
666.9	Stiff, brown SILTY CLAY --FILL-- --RDR 1--	1	4	1.50	29		645.9	Loose, gray, fine to medium SAND; saturated	9	4	NP	16	
666.9	Loose, gray SANDY LOAM and fine to medium SAND; wet --RDR 1--	2	3				643.4	Medium dense, gray GRAVELLY SAND; saturated	10	5	NP	13	
666.9	--3-inch thick, medium stiff (0.5 P) gray SILTY LOAM to SILTY CLAY LOAM--	2	2	0.50	25		641.9	Loose to dense, gray SILT; saturated	25	8	NP	13	
660.9	Loose, gray GRAVELLY SAND; saturated --RDR 1--	3	4		NP	18			11	5	NP	24	
657.6	Stiff to hard, gray SILTY CLAY, trace gravel --RDR 2-10	4	3	2.71	20				12	6	NP	28	
657.6		4	4						12	5	NP	28	
657.6		5	3	1.00	21				13	6	NP	19	
657.6		6	4	4.02	13				13	5	NP	19	
657.6		7	5	5.00	18				14	5	NP	26	
657.6		8	4						14	5	NP	26	
647.5	Loose, gray SILT; saturated --RDR 2--	8	3		NP	22			14	5	NP	26	
647.5		4	4						14	5	NP	26	

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	09-05-2017	Complete Drilling	09-06-2017
Drilling Contractor	Wang Testing Services	Drill Rig	D25 ATV [93%]
Driller	N&N	Logger	J. Rowells
Checked by	AZH	Time After Drilling	NA
Drilling Method	2.25" IDA HSA to 10ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon	Depth to Water	1.50 ft
		At Completion of Drilling	2.00 ft

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
666.9	Dense, gray SANDY GRAVEL; wet --RDR 3-- --4-inch, gray fine to medium SAND; saturated-- --rig chatter-- --RDR 3--	19	22	19	NP	11	606.7	Strong, grayish white, poor to fair rock mass quality DOLOSTONE, 2- to 12-inch spacing of joints, 0.05- to 0.2-inch joint separation, <0.2-inch joint walls, slightly rough and hard joint walls --Run #1: 73 to 78 feet-- --RECOVERY = 72%-- --RQD = 35%--	75	21			
666.9		20	20	14	NP	13			16	8	NP	20	
666.9		21	19						17	9	NR		
666.9		22	19						17	5	NP	22	
666.9		23	19						17	8	NP	20	
666.9		24	19						17	5	NP	22	
666.9		25	19						17	8	NP	20	
666.9		26	19						17	5	NP	22	
666.9		27	19						17	8	NP	20	
666.9		28	19						17	5	NP	22	
666.9		29	19						17	8	NP	20	
666.9		30	19						17	5	NP	22	
666.9		31	19						17	8	NP	20	
666.9		32	19						17	5	NP	22	
666.9		33	19						17	8	NP	20	
666.9		34	19						17	5	NP	22	
666.9		35	19						17	8	NP	20	
666.9		36	19						17	5	NP	22	
666.9		37	19						17	8	NP	20	
666.9		38	19						17	5	NP	22	
666.9		39	19						17	8	NP	20	
666.9		40	19						17	5	NP	22	

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	09-05-2017	Complete Drilling	09-06-2017
Drilling Contractor	Wang Testing Services	Drill Rig	D25 ATV [93%]
Driller	N&N	Logger	J. Rowells
Checked by	AZH	Time After Drilling	NA
Drilling Method	2.25" IDA HSA to 10ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon	Depth to Water	1.50 ft
		At Completion of Drilling	2.00 ft

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
666.9	--Run #2: 78 to 83 feet-- --RECOVERY = 97%-- --RQD = 68%--	22					666.9						
666.9	Boring terminated at 83.00 ft						666.9						

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	09-05-2017	Complete Drilling	09-06-2017
Drilling Contractor	Wang Testing Services	Drill Rig	D25 ATV [93%]
Driller	N&N	Logger	J. Rowells
Checked by	AZH	Time After Drilling	NA
Drilling Method	2.25" IDA HSA to 10ft then mud rotary; autohammer; backfilled with liquid grout and bentonite chips upon	Depth to Water	1.50 ft
		At Completion of Drilling	2.00 ft

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USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS VII
 STRUCTURE NO. 022-0547 EB & 022-0577 WB
 SHEET NO. 67 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	222
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
673.35	12-inch thick dark brown SILTY CLAY LOAM						673.35	12-inch thick, black and dark brown SILTY CLAY					
	Very stiff, brown SILTY CLAY, trace gravel, damp	1	3	3.50	18		669.8	Medium dense, gray SILTY LOAM, trace gravel; dry to moist	9	2	1.15	24	
		2	4	2.25	16				10	4	NP	13	
		3	4	2.25	16				11	4	NP	12	
668.3	Loose, brown SANDY GRAVEL; wet to saturated	3	2	NP	9				12	4	NP	12	
665.8	Stiff, brown SILTY LOAM, trace gravel, damp	4	1	1.00	16				13	4	NP	12	
663.3	Very stiff, gray SILTY CLAY, trace gravel, moist	5	5	3.85	17		643.8	Boring terminated at 30.00 ft	14	3	3.03	18	
		6	3	2.13	19				15	5	4.76	16	
		7	4	2.05	19				16	6	4.10	12	
656.8	Gray SILTY LOAM; moist to damp	7	5	2.05	19				17	5	3.03	18	
655.0	Stiff, gray SILTY CLAY LOAM, trace gravel, moist	8	3	1.39	20				18	5	3.03	18	

GENERAL NOTES
 Begin Drilling 02-22-2017 Complete Drilling 02-22-2017
 Drilling Contractor Wang Testing Services, Drill Rig
 Driller KS&JA, Logger J. Rowells, Checked by C. Marin
 Drilling Method 3.25" IDA HSA; autohammer; backfilled with soil cuttings and bentonite chips upon completion

WATER LEVEL DATA
 While Drilling 6.75 ft
 At Completion of Drilling DRY
 Time After Drilling NA
 Depth to Water NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
676.57	12-inch thick, black and dark brown SILTY CLAY						659.1	Loose, gray, fine to coarse SAND; saturated	9	4	2.3	NP	23
	Medium stiff to very stiff, brown and gray SILTY CLAY, trace gravel, moist	1	3	2.54	25		646.3	Medium stiff, gray SILTY CLAY LOAM; moist	10	2	0.90	29	
		2	3	0.90	29		645.1	Gray SAND; saturated	11	6	5	0.75	14
665.1	Stiff, gray CLAY LOAM to LOAM; moist to wet	3	2	1.50	19		644.1	Medium stiff, gray SILTY CLAY LOAM; moist	11	6	5	0.75	14
662.6	Dense, gray SANDY LOAM to coarse SAND; saturated	4	2	NP	22		642.6	Medium dense, gray, medium SAND; saturated	12	6	3	NP	27
		5	4	3.53	16		640.6	Boring terminated at 30.00 ft	13	3	3	NP	27
		6	5	4.76	16				14	3	2.05	23	
		7	6	4.10	12				15	2	2.00	23	
		8	5	3.03	18				16	2	NP	12	

GENERAL NOTES
 Begin Drilling 02-27-2017 Complete Drilling 02-27-2017
 Drilling Contractor Wang Testing Services, Drill Rig
 Driller KS&JA, Logger J. Foote, Checked by C. Marin
 Drilling Method 3.25" IDA HSA; autohammer; backfilled with soil cuttings and bentonite chips upon completion

WATER LEVEL DATA
 While Drilling 8.00 ft
 At Completion of Drilling 15.00 ft
 Time After Drilling NA
 Depth to Water NA

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
683.0	6-inch thick, black SILTY CLAY LOAM						663.0	Medium dense, gray SANDY LOAM to coarse SAND; saturated	9	4	6	NP	17
	Very stiff, brown and gray CLAY to SILTY CLAY, trace gravel, moist	1	4	2.71	21				10	4	5	NP	17
		2	3	2.13	26				11	8	5	NP	17
		3	4	3.20	19		658.0	Medium dense, gray SILTY LOAM; moist	11	8	5	NP	17
		4	3	2.54	20		655.5	Very stiff, gray SILTY CLAY, trace gravel, moist	12	10	10	3.77	18
		5	5	3.85	17				13	10	13	3.77	18
		6	2	2.00	23				14	3	2.05	23	
		7	2	NP	12		658.0	Very loose, gray GRAVELLY SAND; saturated	15	2	NP	12	
		8	4	3.12	18		655.5	Very stiff, gray SILTY CLAY, trace gravel, moist	16	4	4	NP	12

GENERAL NOTES
 Begin Drilling 03-06-2017 Complete Drilling 03-06-2017
 Drilling Contractor Wang Testing Services, Drill Rig
 Driller KS&NC, Logger J. Foote, Checked by C. Marin
 Drilling Method 3.25" IDA HSA; autohammer; backfilled with soil cuttings and bentonite chips upon completion

WATER LEVEL DATA
 While Drilling 16.00 ft
 At Completion of Drilling 29.00 ft
 Time After Drilling NA
 Depth to Water NA

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USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS IX
 STRUCTURE NO. 022-0547 EB & 022-0577 WB

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	224
CONTRACT NO. 62C24				

SHEET NO. 69 OF 70 SHEETS

ILLINOIS FED. AID PROJECT

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

BORING LOG RWB-25

WEI Job No.: 107-09-01

Client: **WSP USA, Inc.**
 Project: **Interstate 290 over Salt Creek**
 Location: **DuPage County, IL**

Datum: NAVD 88
 Elevation: 680.34 ft
 North: 1920858.95 ft
 East: 1079161.66 ft
 Station: 1141+56.42
 Offset: 96.09 RT

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
680.34	9-inch thick black and brown CLAY LOAM	0						680.34							
	---TOPSOIL---														
	Hard, brown, black, and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel; moist	1		1	4	4.50	21					9	7	1.72	17
		2		2	4							7	7		
		4		4								7			
	---RDR 2--- ---FILL---														
		5		5	4	4.18	20					10	4	1.72	12
		4		4								5	5		
		4		4								6			
		25		25											
	Stiff, brown CLAY; moist							654.8				11	3	1.72	19
												7	9		
	---RDR 2---														
		3		3		2.71	20					12	5	2.13	20
		4		4								7			
		5		5								8			
		10		10		2.21	23								
		4		4											
		3		3											
		4		4											
		10		10		2.21	23								
		4		4											
		3		3											
		4		4											
		19		19		1.97	23								
		4		4											
		3		3											
		4		4											
		20		20											
		4		4											
		3		3											
		4		4											
		15		15		1.50	26								
		2		2											
		1		1											
		4		4											
		15		15											
		2		2											
		1		1											
		4		4											
		15		15											
		5		5											
		5		5											
		6		6											
		20		20											
		5		5											
		6		6											
		6		6											
		20		20											

GENERAL NOTES

Begin Drilling 02-28-2017 Complete Drilling 02-28-2017
 Drilling Contractor **Wang Testing Services** Drill Rig
 Driller **RR&KG** Logger **R. KC** Checked by **C. Marin**
 Drilling Method **2.25" IDA HSA; autohammer; backfilled with soil**
cuttings and bentonite chips upon completion

WATER LEVEL DATA

While Drilling 15.50 ft
 At Completion of Drilling DRY
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-070-BOR.dgn



WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8180
 FAX: (312) 782-1884

USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS X
STRUCTURE NO. 022-0547 EB & 022-0577 WB
 SHEET NO. 70 OF 70 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	225
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

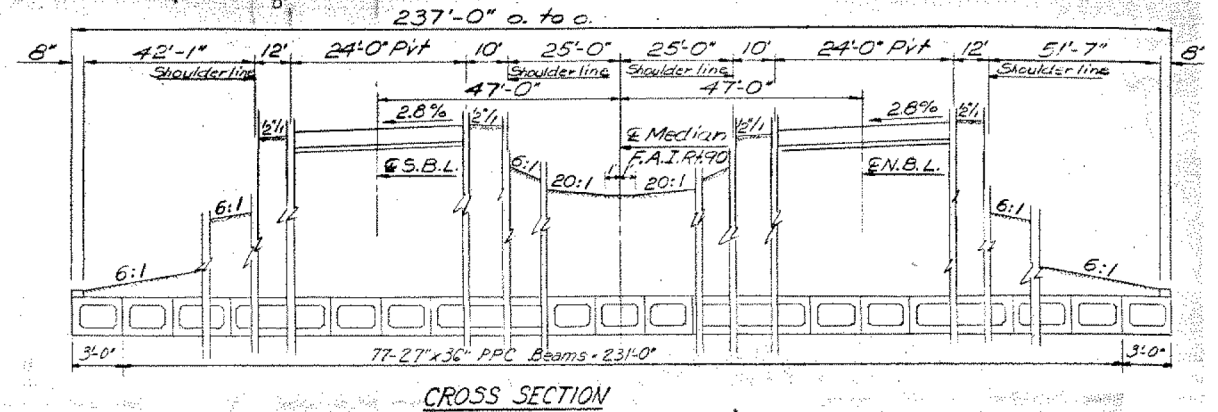
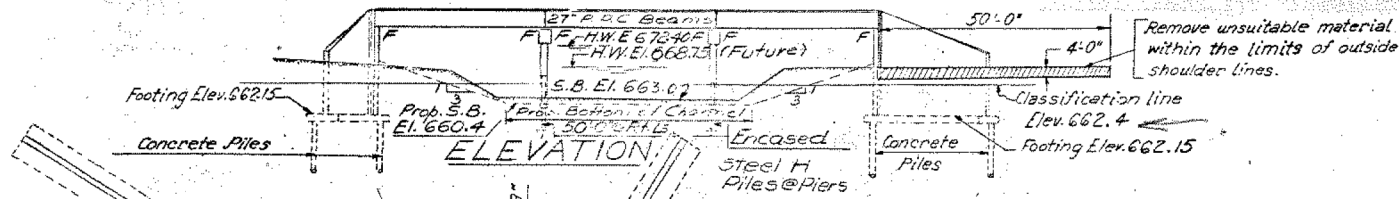
B.M. #34 R.R. Spike in Telephone pole, on the S.W. Corner of Intersection of Oak St. and Wooddale Rd. - Elev. 691.774
NO EXISTING STRUCTURE.

Crown of F.A.I. Rt. 90

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Note: Fill > 8' ⇒ No LL effect

DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
11/15/10	22-1B-1	DuPage	142	30	9 SHEETS
FED. ROAD DIST. NO. 7			ALTIMETER	FED. AID PROJECT	



CROSS SECTION

GENERAL NOTES

- All reinforcement bars shall be lapped 24 diameters unless otherwise shown.
- Backfill shall be placed behind the abutment after the superstructure has been poured and the falsework removed. See Article 502.11 of the Standard Specifications.
- An alternate strand pattern using Extra High Strength Prestressing strand (270 ksi.) is permitted.
- The top of the PPC Beams, the back of the Abutments and wings above the top of the footing shall be waterproofed.
- The Contractor shall drive & test piles in following permanent locations as directed by the Engineer before ordering the remainder of the piles: 1 Concrete test pile at North end of East Abut., 1 Concrete test pile at South end of West Abutment, 1 Steel test pile at North end of Pier 1, 1 Steel test pile at South end of Pier 2.

STATION 142+95
BUILT BY
STATE OF ILLINOIS
F.A.I. RT. 90-SEC. 22-1B-1
F.A.I. PROJ. 1-90-3 (17)
LOADING HS 20 & ALT.

NAME PLATE
See Std. 2113-1

TOTAL BILL OF MATERIAL

Item	Unit	Super.	Sub.	Total
Earth Excavation	Cu. Yds.		1050	1050
Class A Excavation for Structures	Cu. Yds.		1520	1520
Class B Exc. for Structures	Cu. Yds.		420	420
Class A Concrete	Cu. Yds.		700	700
Class X Concrete	Cu. Yds.		526.4	526.4
Precast Prestressed Conc. Deck Bms.	Sq. Ft.	24203		24203
Reinforcement Bars	Lbs.		51410	51410
Concrete Piles	Lin. Ft.		17,700	17,700
Steel Piles (12BP53)	Lin. Ft.		8192	8192
Test Piles Steel (12BP53)	Ea.		2	2
Test Piles Concrete	Ea.		2	2
Name Plates	Ea.		1	1

CURVE DATA

P.I. Sta. 145+13.52
Δ = 32°-45'-00"
D = 1°-00'-00"
R = 5,729.578'
T = 1,683.59'
E = 242.234'
L = 3,275.00
P.C. Sta. 128+29.93

WATERWAY INFORMATION

Drainage Area 47,360 Acres
Character: Level
Required opening (50 Yrs Div. of W.W. Reg. 1) 451"
Proposed " " " " 451"

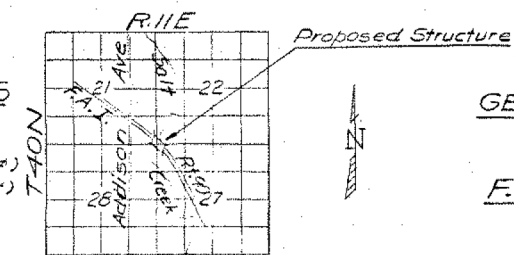
High Water El. 668.75

Q = 2100 c.f.s.

DESIGN STRESSES

FIELD UNITS PRESTR. PRECAST UNITS
fc = 1000 psi (Classed Abut.) fc = 5,000 psi
vc = 75 psi Footing fci = 4,000 psi
fs = 20,000 psi Reinf. fs = 248,000 psi (Strands 7/16")
n = 10 fsi = 173,600 psi (Strands 7/16")

Loading HS 20-44 & Alt.

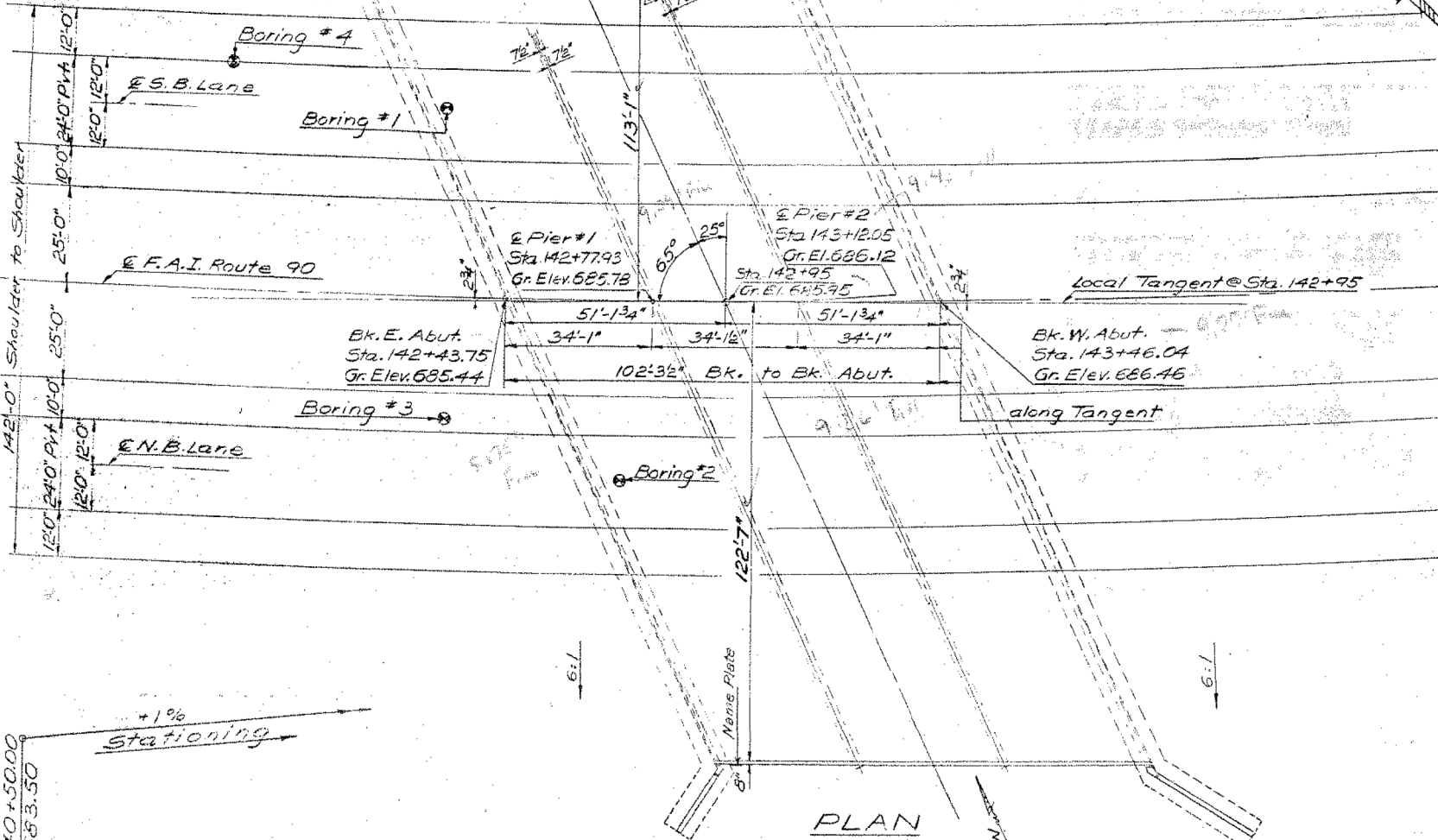


LOCATION SKETCH

GENERAL PLAN & ELEVATION

PROJECT: I-90-3 (17)
F.A.I. RT. 90 SECTION 22-1B-1
DU PAGE COUNTY
STA. 142+95

022-0103 1-8



PLAN

PROFILE F.A.I. RT. 90

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

T:\16947A\Struct\Cadd\Sheets\0220547-62C24-071-EXT.dgn



USER NAME = pateld
DESIGNED - P.J.L.
CHECKED - AH
PLOT SCALE = N.T.S.
PLOT DATE = 12/15/2017

DESIGNED - P.J.L.
CHECKED - AH
DRAWN - DCP
CHECKED - AH

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 022-0103
SHEET NO. 1 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1B)	DuPage	402	226
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

PILE DATA
 Type - Concrete
 Required Length - 75'
 Required No - 118 plus 1 Test Pile
 Capacity - 45 T.

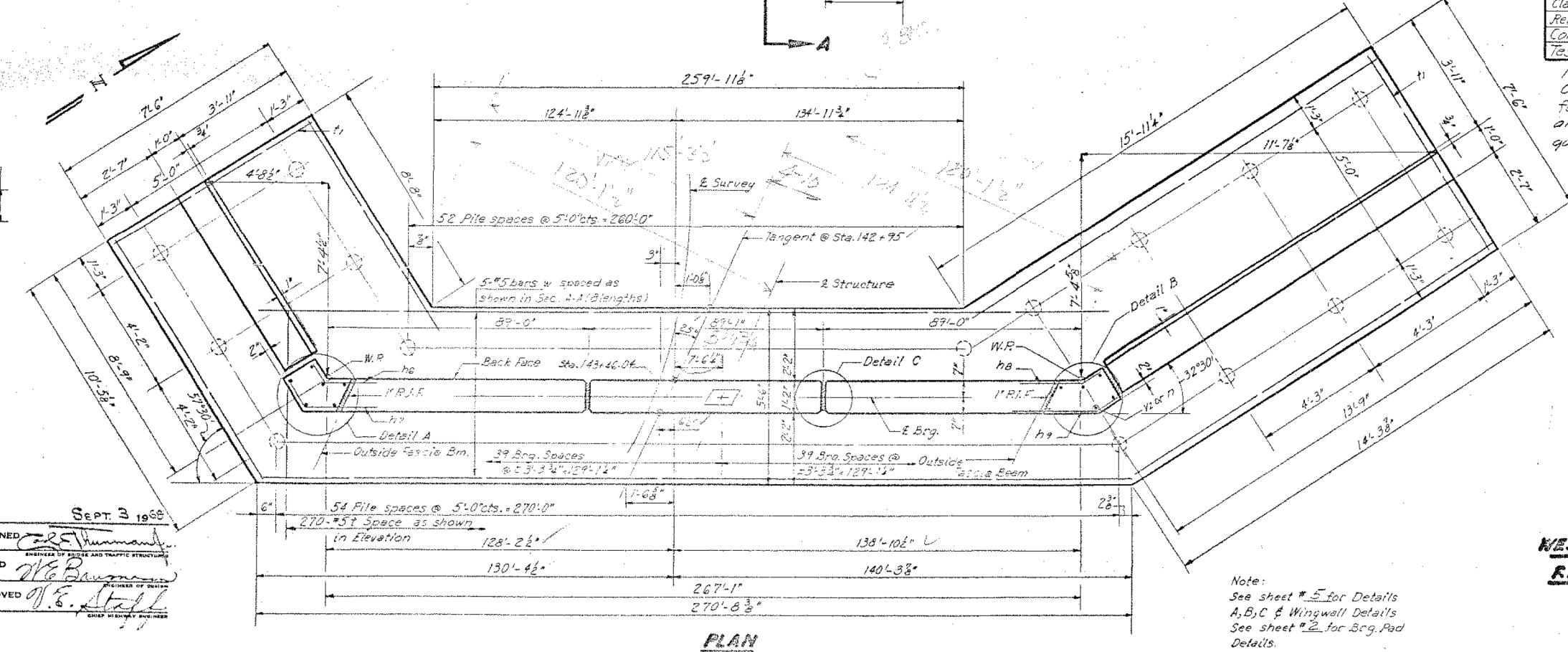
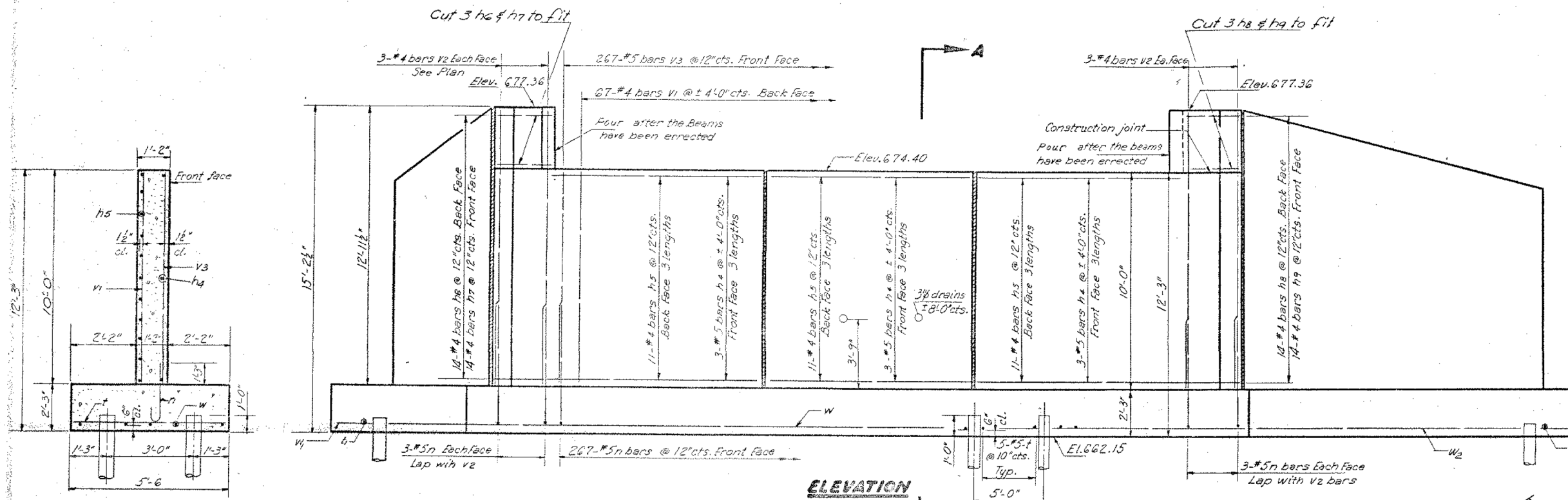
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3
A.S. 90	1B-1	DuPage	143	32	9 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT	

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h4	27	#5	30'-6"	—
h5	99	#4	30'-6"	—
h6	14	#4	24'-9"	—
h7	14	#4	3'-3"	—
h8	14	#4	24'-9"	—
h9	14	#4	3'-9"	—
h10	18	#4	7'-9"	—
h11	18	#4	12'-9"	—
n	279	#5	3'-7"	U
n1	25	#7	4'-4"	U
n2	23	#6	5'-10"	U
t	270	#5	5'-3"	—
t1	65	#5	7'-3"	—
v1	67	#4	9'-9"	—
v2	12	#4	12'-9"	—
v3	267	#5	9'-9"	—
v4	8	#4	9'-3"	—
v5	9	#4	6'-3"	—
v6	8	#4	7'-6"	—
v7	8	#4	8'-6"	—
v8	7	#4	4'-0"	—
v9	25	#6	6'-0"	—
w	40	#5	35'-0"	—
w1	12	#5	10'-3"	—
w2	12	#5	15'-9"	—
Class X Concrete		Cu. Yds 263.2		
Reinforcement Bars		Lbs. 12,130		
Concrete Piles		Lin. Ft. 8850		
Test Piles (Conc.)		Each 1		

Note:
 Class X Concrete & Reinforcement for Wingwalls are included in above quantities.



BARS h4 thru h9

2'-11"	4"	h6
2'-0"	8"	h7
2'-1"	6"	h8
2'-9"	10"	h9

BARS n1, n2

3'-0"	7"	n
3'-6"	10"	n1
5'-2"	8"	n2

DESIGNED J. M. Patel
 CHECKED James M. Suckey
 DRAWN ustariik J. M. P.
 CHECKED B

EXAMINED R. S. Hummel
 PASSED W. C. Baumgardner
 APPROVED V. S. Staff

SEPT 3 1968

WEST ABUTMENT
RA. RT. 90-SEC. 22-1B-1
DUPAGE COUNTY
STA. 142+95



USER NAME = pateld	DESIGNED - P.J.L.	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 022-0103
 SHEET NO. 3 OF 10 SHEETS

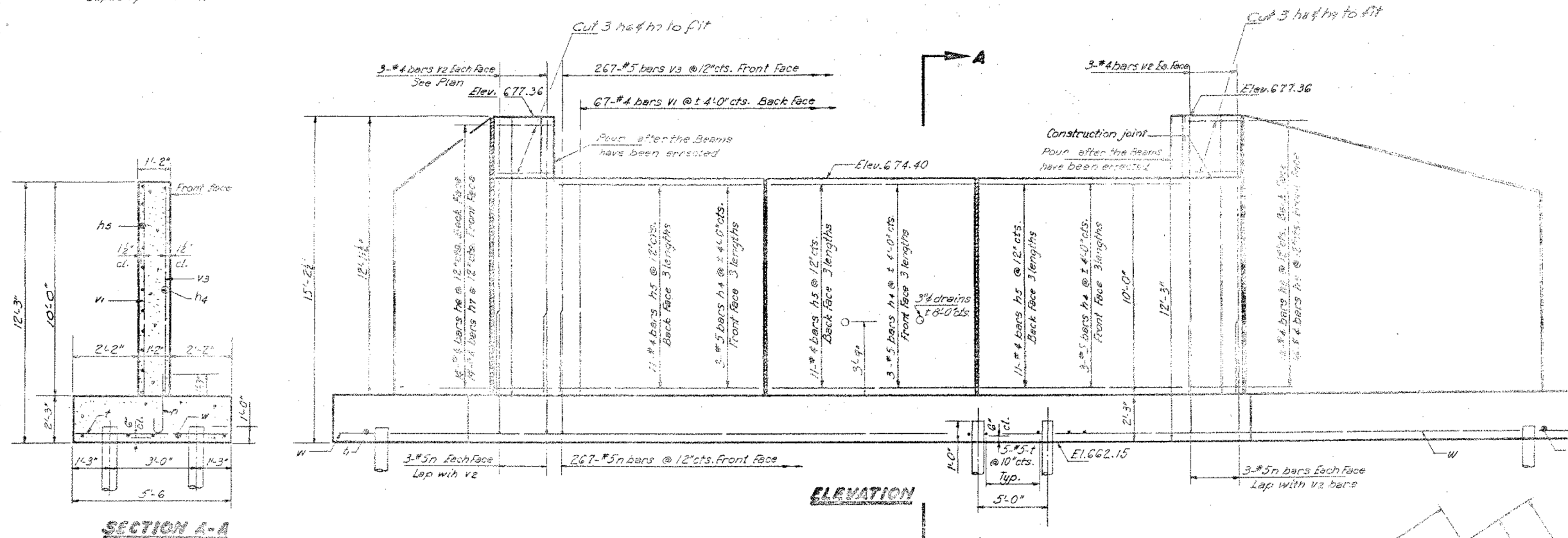
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1B)	DuPage	402	228
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

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PILE DATA
 Type - Concrete
 Required Length - 75'
 Required No. - 118 plus 1 Test Pile
 Capacity - 4.5T

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

DATE	22-12-1	DUPAGE	143	33
SHEET NO.	9 SHEETS			

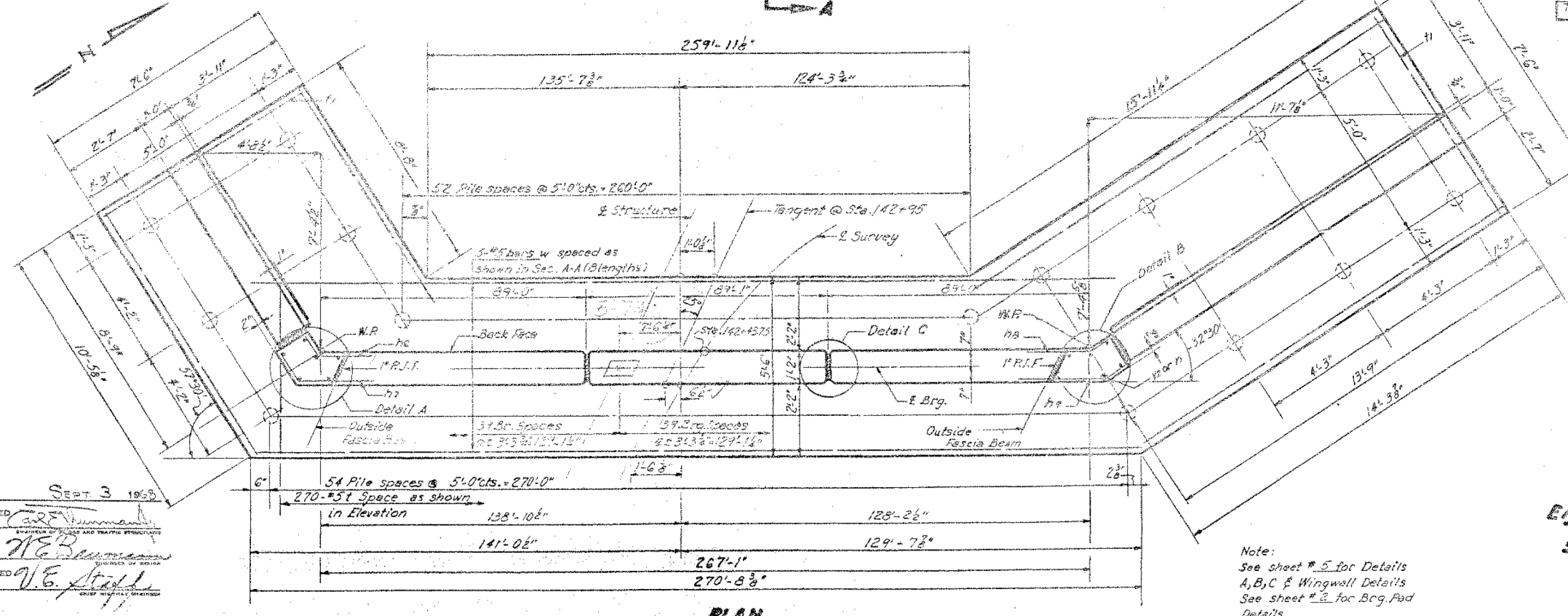


LIST OF MATERIAL

Bar	No.	Size	Length	Notes
h3	21	#5	30'-0"	
h5	99	#4	30'-0"	
h6	18	#4	25'-0"	
h7	14	#4	3'-3"	
h8	18	#4	2'-0"	
h9	18	#4	3'-0"	
h10	18	#4	2'-0"	
h11	16	#4	12'-9"	
n1	279	#5	5'-7"	
n2	23	#7	7'-2"	
n3	23	#6	3'-10"	
v1	270	#5	5'-5"	
v2	23	#5	7'-3"	
v3	67	#4	9'-9"	
v4	12	#6	12'-9"	
v5	267	#5	9'-9"	
v6	8	#4	9'-3"	
v7	9	#6	4'-5"	
v8	6	#6	7'-0"	
v9	8	#4	8'-8"	
v10	7	#4	4'-0"	
v11	25	#6	6'-0"	
w1	40	#5	35'-0"	
w2	12	#5	10'-3"	
w3	12	#5	15'-9"	

Class X Concrete
 Reinforcement Bars
 Concrete Piles
 Test Piles

Note:
 Class X Concrete & Reinforcement for Wing walls are included in above quantities



BARS h3 thru h9

2'-1"	4"	n8
2'-0"	3"	n7
2'-1"	5"	n5
2'-9"	10"	n4

BARS n1 thru n3

3'-0"	7"	n1
3'-6"	10"	n1
5'-2"	8"	n2

DESIGNED J. M. Patel
 CHECKED [Signature]
 DRAWN [Signature]
 CHECKED [Signature]

EXAMINED [Signature]
 PASSED [Signature]
 APPROVED [Signature]

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 022-0103

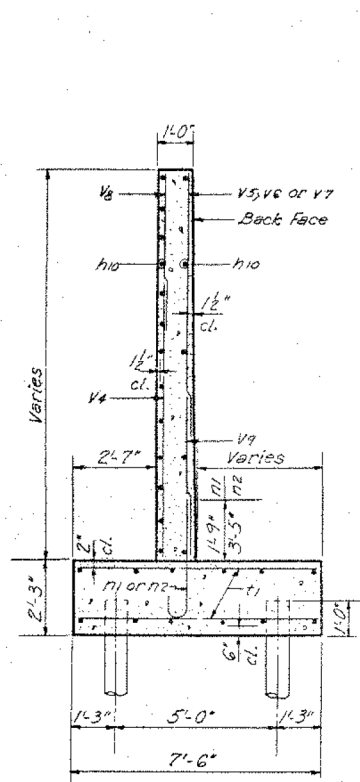
EAST ABUTMENT
 RAISE 00-536-2210-1
 DUPAGE COUNTY
 STA. 142+95

USER NAME = pateld	DESIGNED - P.J.L.	REVISED -	F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DuPage	TOTAL SHEETS 402	SHEET NO. 229
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -	CONTRACT NO. 62C24				
PLOT DATE = 12/15/2017	CHECKED - AH	REVISED -	SHEET NO. 4 OF 10 SHEETS				

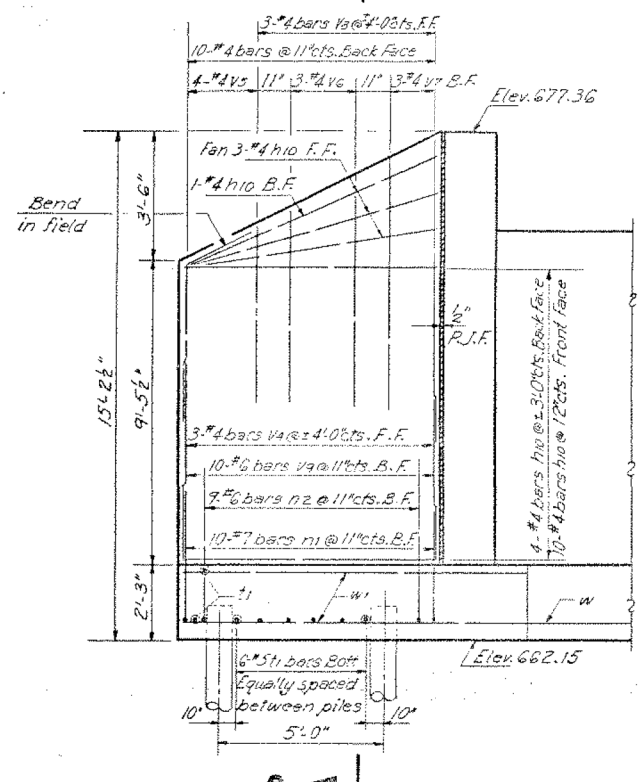
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RT. 90	22-1B-1	DuPage	143	34
SHEET NO. 5				
9 SHEETS				

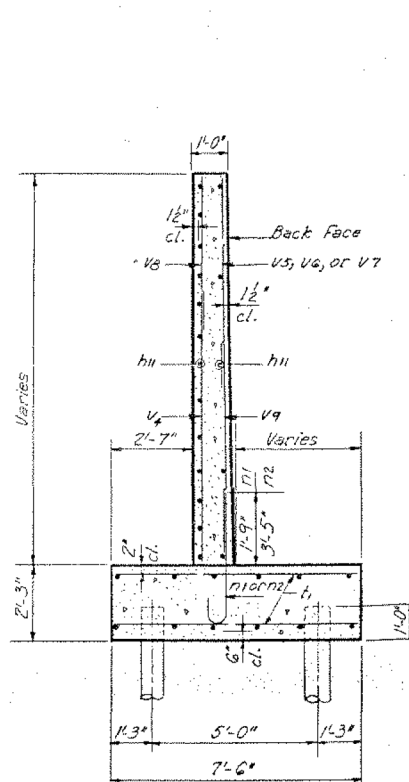
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



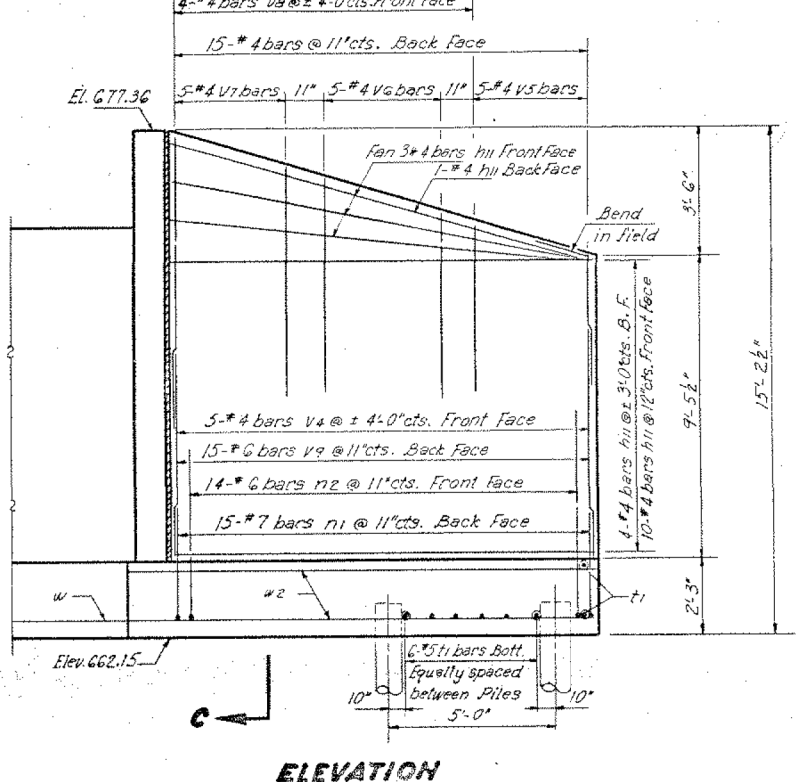
SECTION B-B



ELEVATION
Short Wing

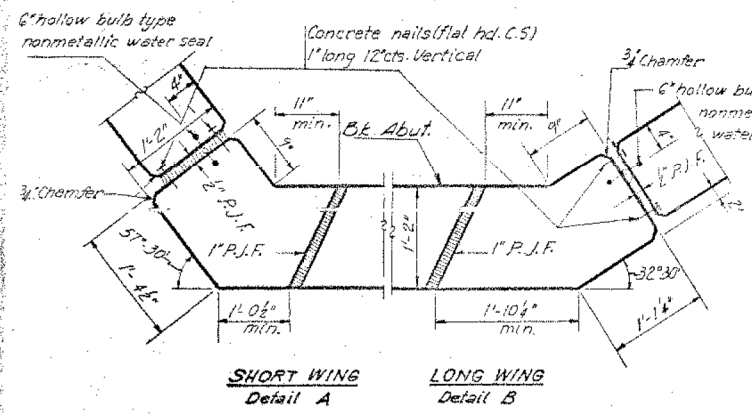


SECTION A-A

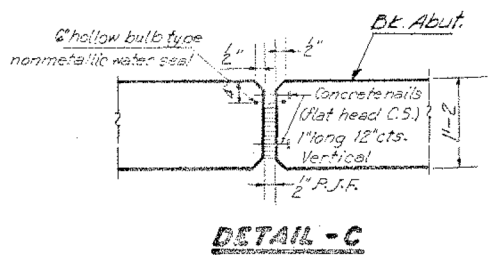


ELEVATION
Long Wing

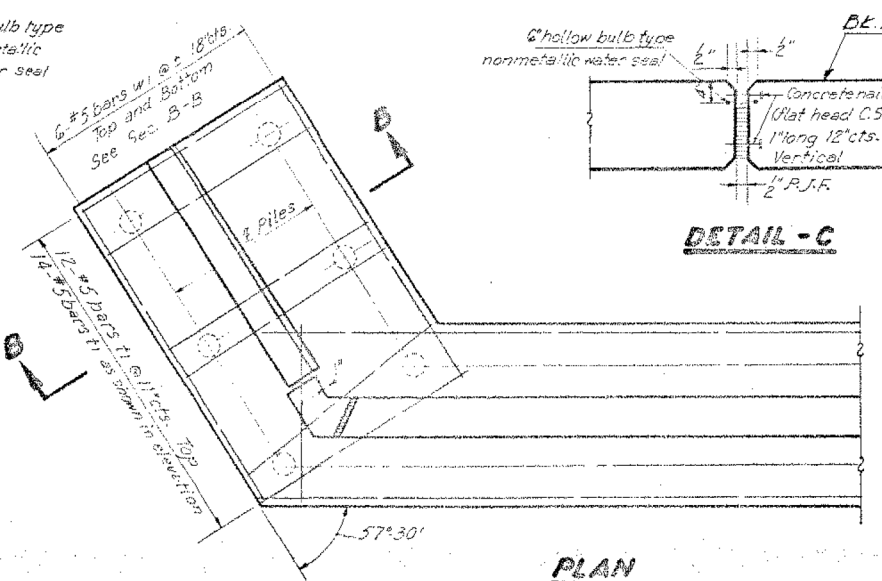
Notes:
Class X Concrete & Reinforcement
quantities for wingwalls are
included on sheets 3 & 4



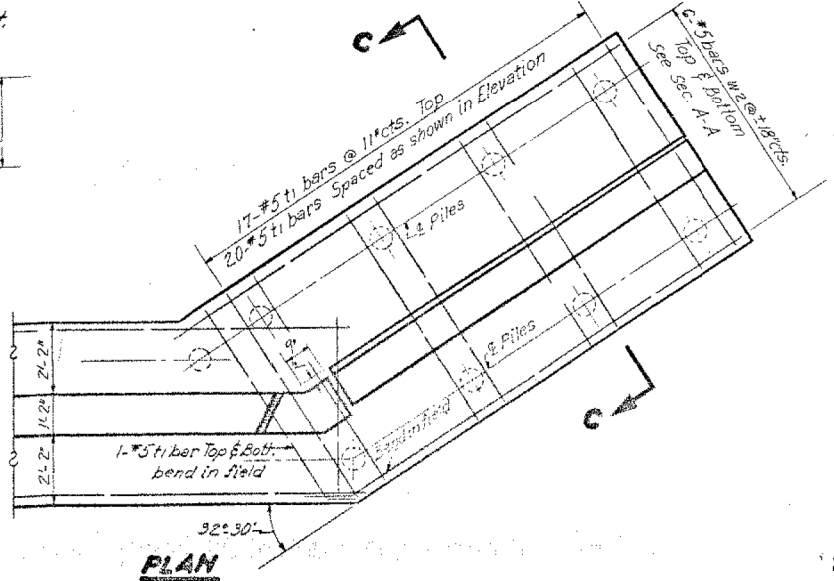
CORNER DETAILS



DETAIL - C



PLAN
Short Wingwall



PLAN
Long Wingwall

WINGWALL DETAILS
F.A. RT. 90-SEC. 22-1B-1
DUPAGE COUNTY
STA. 142+95

DESIGNED	J.M. Patel	EXAMINED	[Signature]
CHECKED	James M. Becker	PASSED	[Signature]
DRAWN	ustanik J.M.P.	APPROVED	[Signature]
CHECKED	B		

SEPT. 3 1968

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USER NAME = pateld
DESIGNED - P.J.L.
CHECKED - AH
PLOT SCALE = N.T.S.
DRAWN - DCP
CHECKED - AH
PLOT DATE = 12/15/2017

DESIGNED - P.J.L.
CHECKED - AH
DRAWN - DCP
CHECKED - AH

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

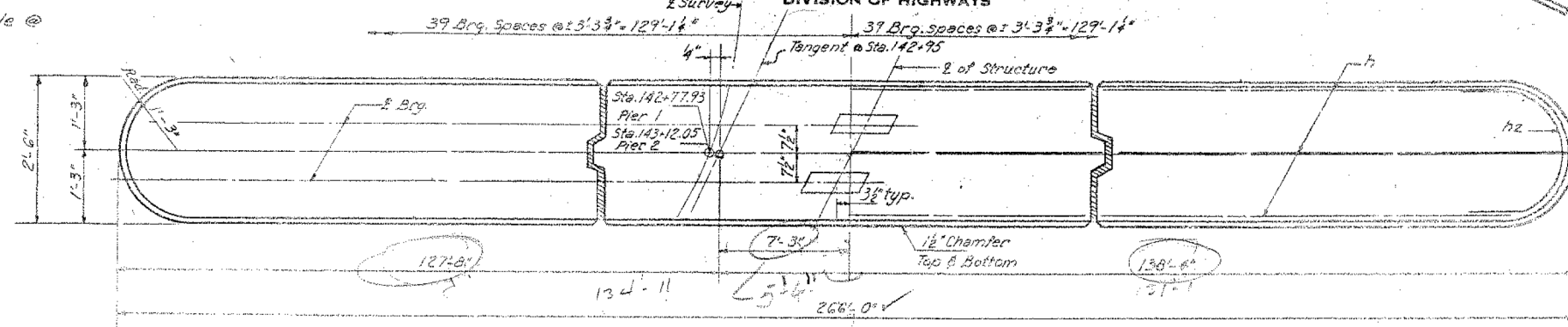
EXISTING PLANS
STRUCTURE NO. 022-0103

SHEET NO. 5 OF 10 SHEETS

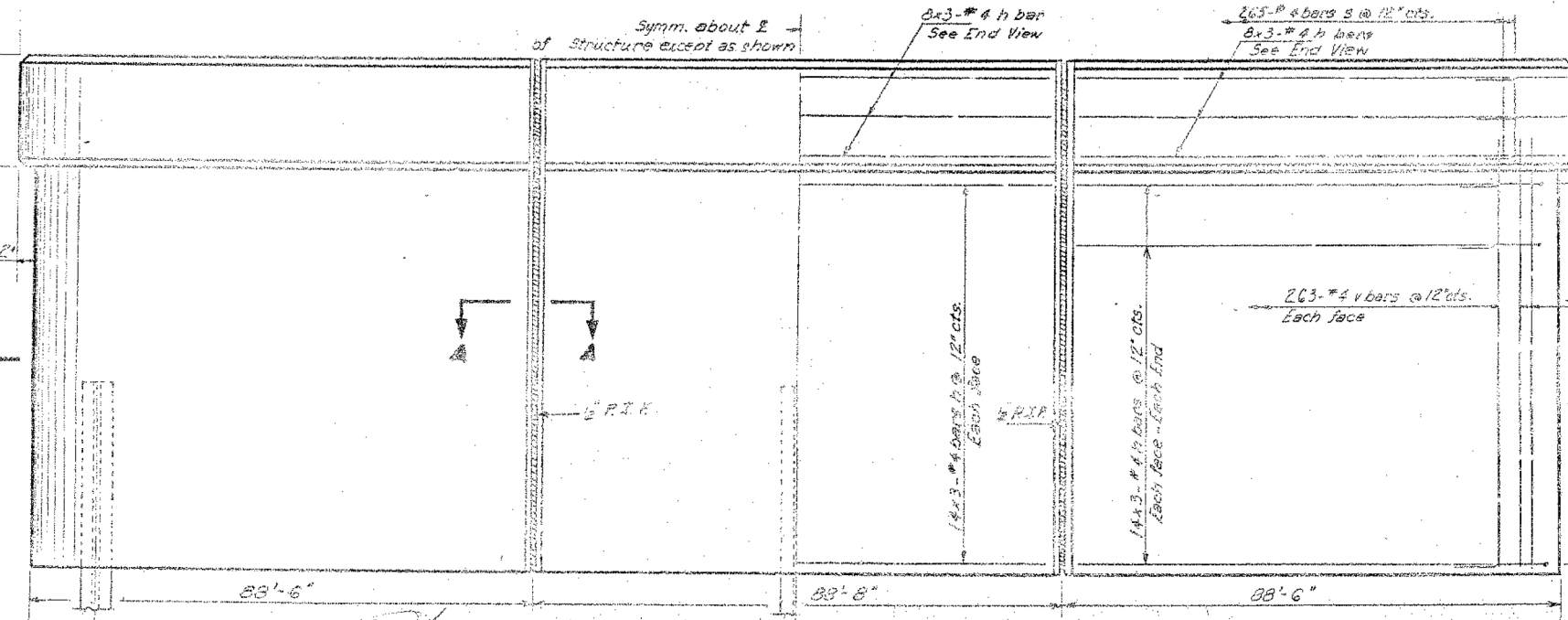
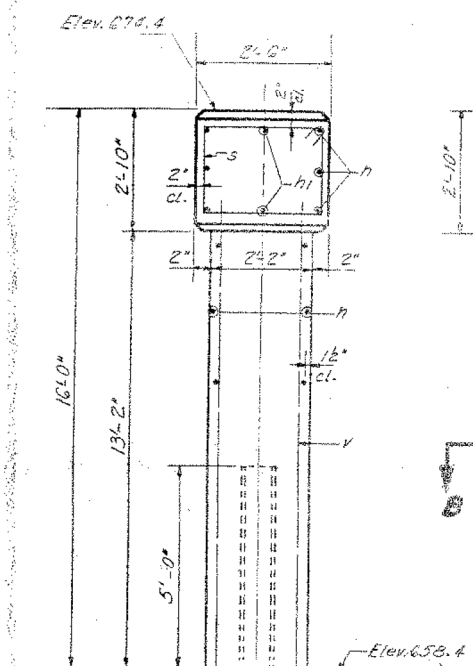
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1B)	DuPage	402	230
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

PILE DATA
 Type: 12 BP 53
 Required length: 64 Ft.
 Required No.: 64 plus 1 Test pile @ Eo Pier
 Capacity: Drive to Refusal

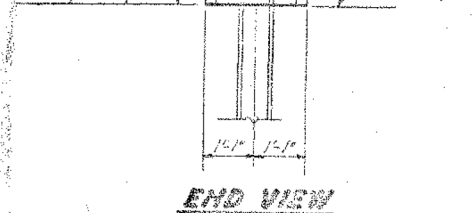
STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS



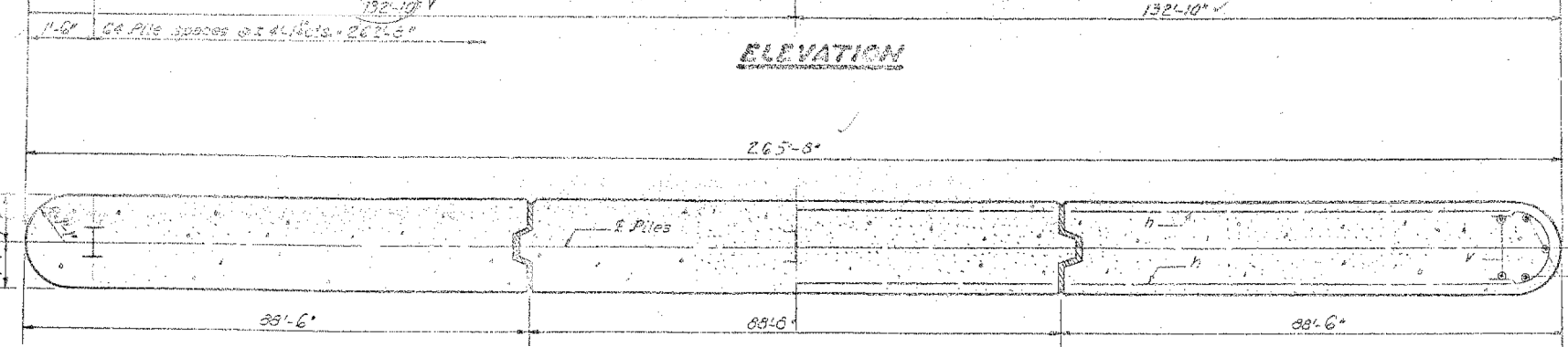
TOP PLAN



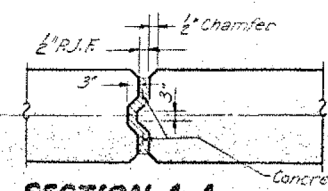
ELEVATION



END VIEW



SECTION B-B



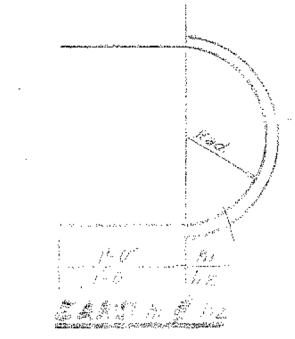
SECTION A-A

DESIGNED J.M. Patel
 CHECKED James M. Becker
 DRAWN ustanit J.M. P.
 CHECKED B

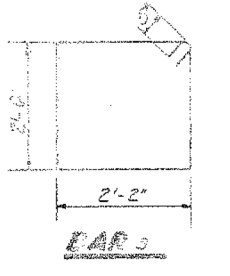
EXAMINED [Signature]
 PASSED [Signature]
 APPROVED [Signature]

Note:
 Bars indicated thus 20x3-#5etc.
 indicates 20 lines of bars with
 3 lengths per line.
 Min. bar laps = 24 dia.

Note:
 See Sheet No. 2 for Brg. Pad
 Details.



Bar	Rad.	A
h1	10"	2'-7"
h2	11"	3'-5"



TWO PIERS
BILL OF MATERIAL

Per	No.	Size	Length	Weight
n	638	#4	37'-8"	
m	56	#4	4'-7"	
h2	12	#4	5'-5"	
s	320	#4	10'-2"	
v	1064	#4	14'-3"	

Class F Concrete Cu. Yds. 700.0
 Reinforcement Bars Lbs. 127100
 Steel Piles (ZBP53) Lbs. 127100
 Bar Piles Steel (ZBP53) Each 1 2

PIERS 1 & 2
 F.A.I.R.T. 00-SEC. 22-1B-1
 DUPAGE COUNTY
 STATION 142+95

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USER NAME =	pateld	DESIGNED -	PJL	REVISED -	
PLOT SCALE =	N.T.S.	CHECKED -	AH	REVISED -	
PLOT DATE =	12/15/2017	DRAWN -	DCP	REVISED -	
		CHECKED -	AH	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 022-0103

SHEET NO. 6 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	231
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
022-010	22-1B-1	DUPAGE	402	232
SHEET NO. 7				

Boring No.	Station	Offset	Elevation	N	Qu / L	w (%)
B-1	142+70.0 B I-90	46.0' Lt B I-90	609.29			
			667.79			
			662.29	11	2.10	16
			651.79	9	1.60	20
			644.79	7	0.90	15
			639.79	21	1.30	15
			637.29	31		
			634.29	15	2.30	9
			632.29	14	1.50	16
			629.79	11	2.60	18
			627.29	31	1.60	17
			624.79	10		

Boring No.	Station	Offset	Elevation	N	Qu / L	w (%)
B-1	142+70.0 B I-90	46.0' Lt B I-90	622.29	31		
			619.79	47		
			617.29	31	2.60	9
			612.29	36	4.50	16
			609.79	26	3.20	18
			607.79	76	5.10	10

BOTTOM OF BORING

Surface Water El. -
Groundwater El. at Completion 602.29
After Hours -

Boring No.	Station	Offset	Elevation	N	Qu / L	w (%)
B-2	142+70.0 B I-90	46.0' Rt B I-90	669.17			
			667.67			
			699.67	12		
			649.67	20	3.30	18
			647.17	21	0.90	17
			642.17	12	1.30	13
			639.67	9	1.30	16
			637.17	12		
			629.67	8	0.90	14
			627.17	15		
			624.67	10	1.10	16

Boring No.	Station	Offset	Elevation	N	Qu / L	w (%)
B-2	142+70.0 B I-90	46.0' Rt B I-90	619.67	12	1.10	10
			617.17	9	0.90	10
			614.67	21		
			612.17	16	1.60	14
			609.67	17	2.00	30
			607.67	50	5.10	12

DESIGNED J.M. Patel
CHECKED James M. Becker
DRAWN ustarik J.M.P.
CHECKED B

EXAMINED [Signature]
PASSED [Signature]
APPROVED [Signature]

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 140# hammer falling 30".

Ch - Unconfined Compressive Strength - 1/2"
w - Water Content - percentage of oven dry weight - %.

Type Failure:
B - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Penetration

P-6584
1430
6584
700-FILED OFFER
6584
599.4
EAST ABUT.
662.75
2500
737.10

BORINGS 1E2
F.A.I. RT. 90-SEC. 22-1B-1
DUPAGE COUNTY
STATION 142+95

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USER NAME = pateld
DESIGNED - PJL
CHECKED - AH
DRAWN - DCP
CHECKED - AH

DESIGNED - PJL
CHECKED - AH
DRAWN - DCP
CHECKED - AH

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 022-0103
SHEET NO. 7 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	232
CONTRACT NO. 62C24				

ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

Soil Description	Elevation	N	Q _u /t _{1/2}	w (%)
BLACK SILTY CLAY LOAM	669.82			
MEDIUM DENSE GRAY SANDY LOAM	660.32	15		
STIFF GRAY SILTY CLAY WITH FERRULES	617.82	15	1.50	18
MEDIUM STIFF GRAY CLAY LOAM	615.32	25	2.10	13
DENSE GRAY GRAVEL WITH CLAY BINDER	612.82	32		
VERY DENSE GRAY GRAVEL WITH CLAY BINDER	610.32	57		
HARD GRAY CLAY WITH GRAVEL	608.32	118	12.6	11
STIFF GRAY CLAY LOAM	605.32	11	1.30	13
MEDIUM STIFF GRAY CLAY LOAM WITH FERRULES	640.32	9	0.70	14
MEDIUM DENSE MEDIUM GRAINED GRAY SAND	637.82	10		
DENSE GRAY GRAVEL WITH CLAY BINDER	635.32	32		
MEDIUM STIFF GRAY CLAY WITH ROCKS	632.82	6	0.60	15
STIFF GRAY CLAY LOAM	627.82	8	1.10	17
MEDIUM STIFF GRAY SAND WITH SAND LAYERS	625.32	10	0.80	14

Soil Description	Elevation	N	Q _u /t _{1/2}	w (%)
STIFF GRAY CLAY LOAM WITH FERRULES	620.32	14	1.50	12
MEDIUM DENSE GRAY GRAVEL WITH CLAY BINDER	617.82	21		
VERY STIFF GRAY CLAY LOAM	615.32	25	2.10	13
DENSE GRAY GRAVEL WITH CLAY BINDER	612.82	32		
VERY DENSE GRAY GRAVEL WITH CLAY BINDER	610.32	57		
HARD GRAY CLAY WITH GRAVEL	608.32	118	12.6	11

Soil Description	Elevation	N	Q _u /t _{1/2}	w (%)
BLACK STIFF CLAY LOAM	669.82			
MEDIUM STIFF GRAY-BROWN SANDY CLAY LOAM	663.12	7	0.60	27
STIFF GRAY CLAY WITH SAND LAYERS	660.62	12	1.00	25
STIFF GRAY CLAY LOAM	613.12	8	1.50	19
VERY SOFT GRAY-BROWN CLAY	608.12	3	0.20	15
SOFT GRAY-BROWN CLAY	605.12	5	0.40	15
SOFT GRAY CLAY WITH FERRULES	645.62	5	0.40	13
STIFF GRAY CLAY LOAM WITH FERRULES	640.62	9	1.50	13
STIFF GRAY CLAY LOAM WITH SAND LAYERS	638.12	10	1.50	11
DENSE GRAY SAND-GRAVEL	635.62	38		
MEDIUM DENSE GRAY SAND-GRAVEL	628.62	28		

Soil Description	Elevation	N	Q _u /t _{1/2}	w (%)
VERY STIFF GRAY CLAY LOAM WITH ROCKS	618.12	27	3.10	10
HARD GRAY CLAY WITH SILT STRAINS	615.62	23	4.10	18
MEDIUM DENSE GRAY SAND-GRAVEL	613.12	22		
VERY DENSE FINE GRAINED WHITE SAND	608.62	110		

Surface Water El. ---
Groundwater El. at Completion 663.12
After _____ Hours ---

N - Standard Penetration Test - Blows per foot to drive "C. D. Split Spoon Sampler" with 140# hammer falling 30".
Q_u - Unconfined Compressive Strength - t_{1/2}
w - Water Content - percentage of oven dry weight - %
Type failure:
D - Bulge Failure
S - Shear Failure
E - Estimated Value
P - Piezometer

DESIGNED *J.M. Patel*
CHECKED *James M. Patel*
DRAWN *Ushank J.M.P.*
CHECKED *B*

EXAMINED *Colt Thurman*
PASSED *7/6*
APPROVED *7/6*

SEPT 3 1998

BORINGS 364
F.A.I. RT. 90-SEC. 22-1B-1
DU PAGE COUNTY
STATION 142+95

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8180
FAX: (312) 782-1584

USER NAME = pateld	DESIGNED - P.J.L.	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 12/15/2017	DRAWN - DCP	REVISED -
	CHECKED - AH	REVISED -

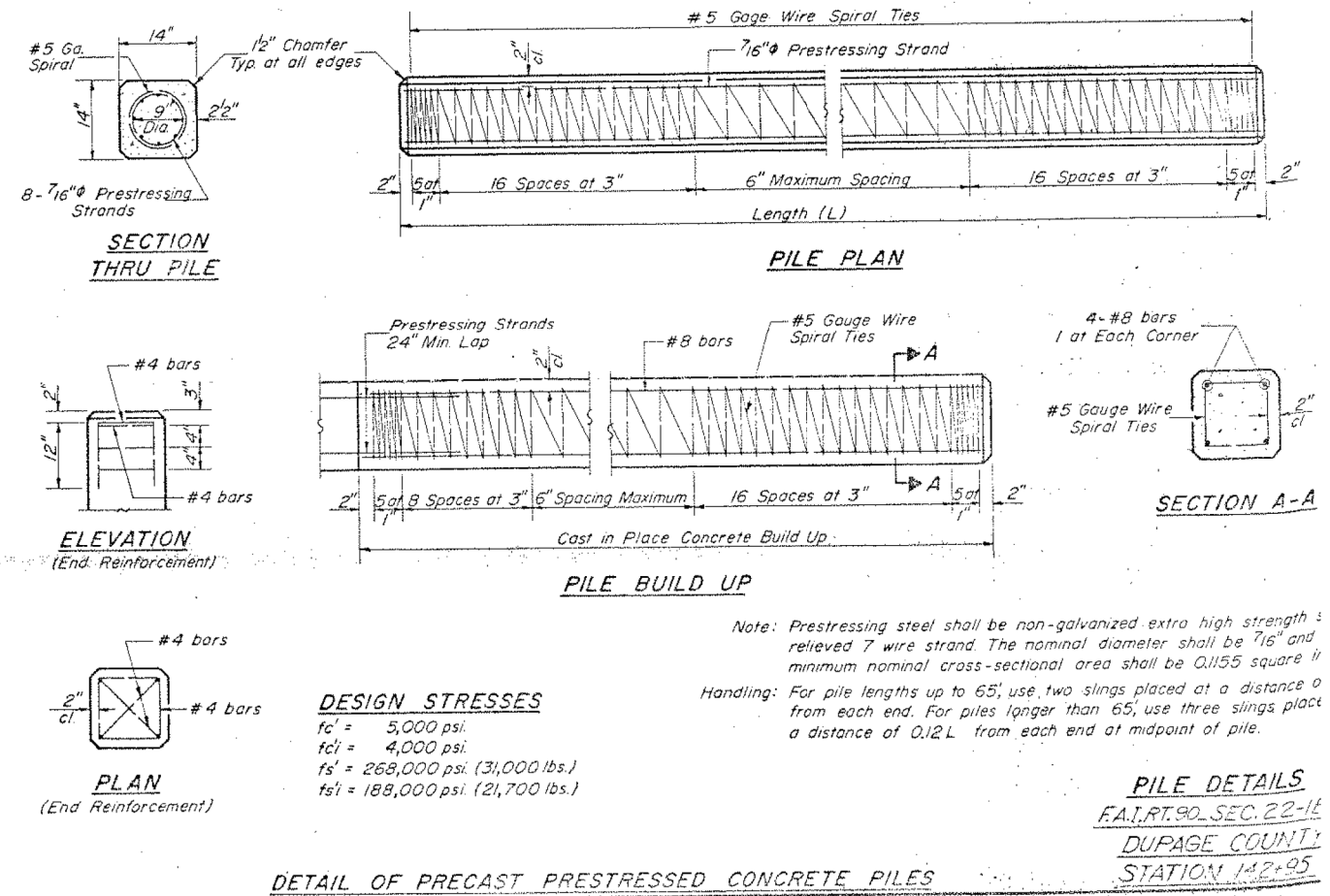
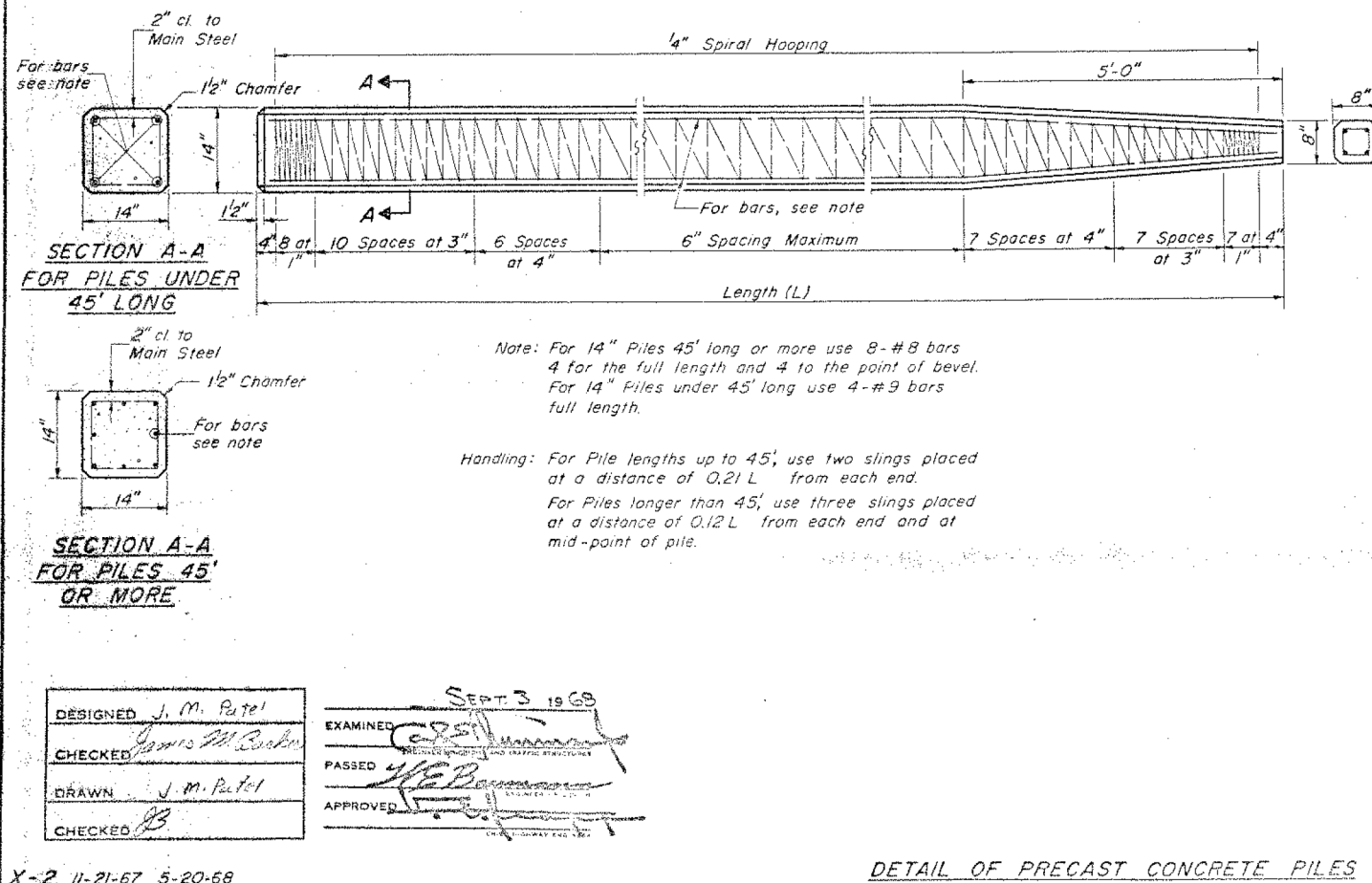
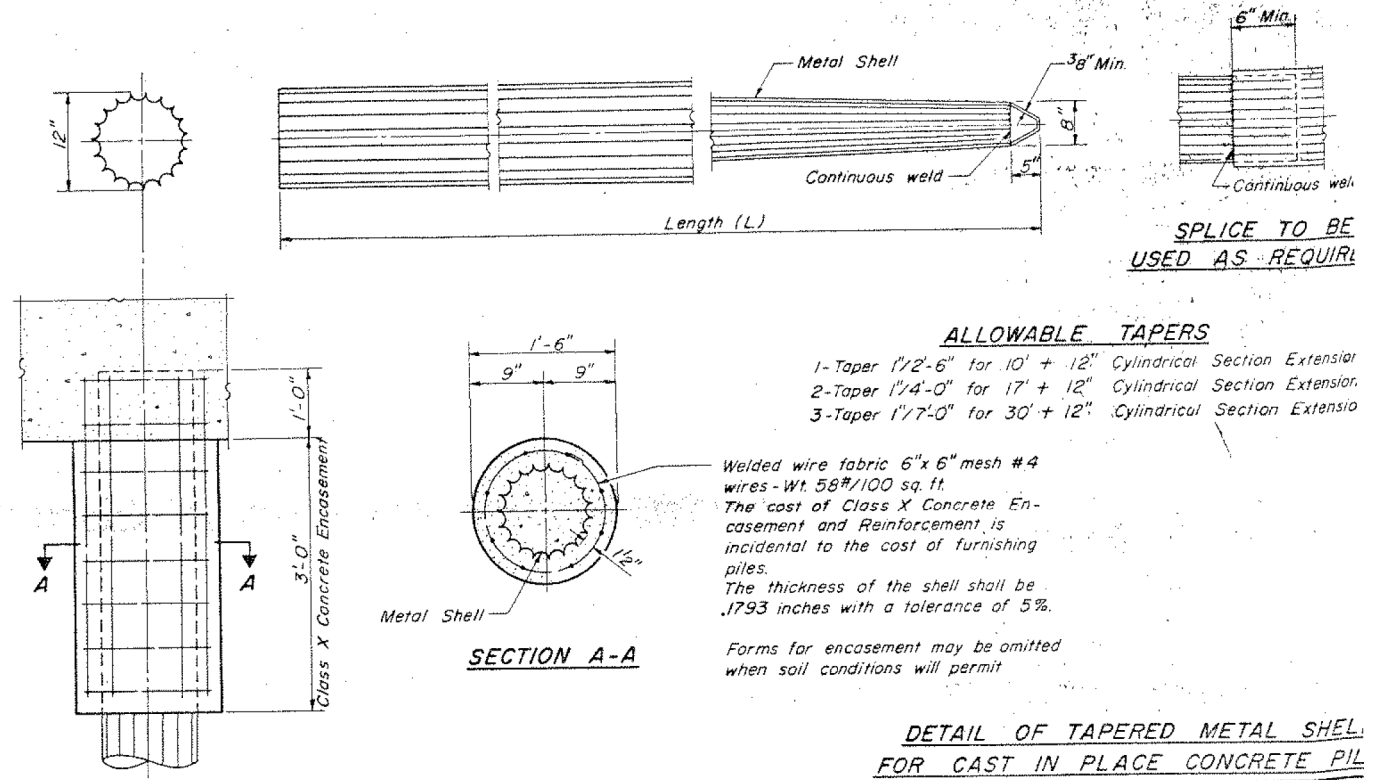
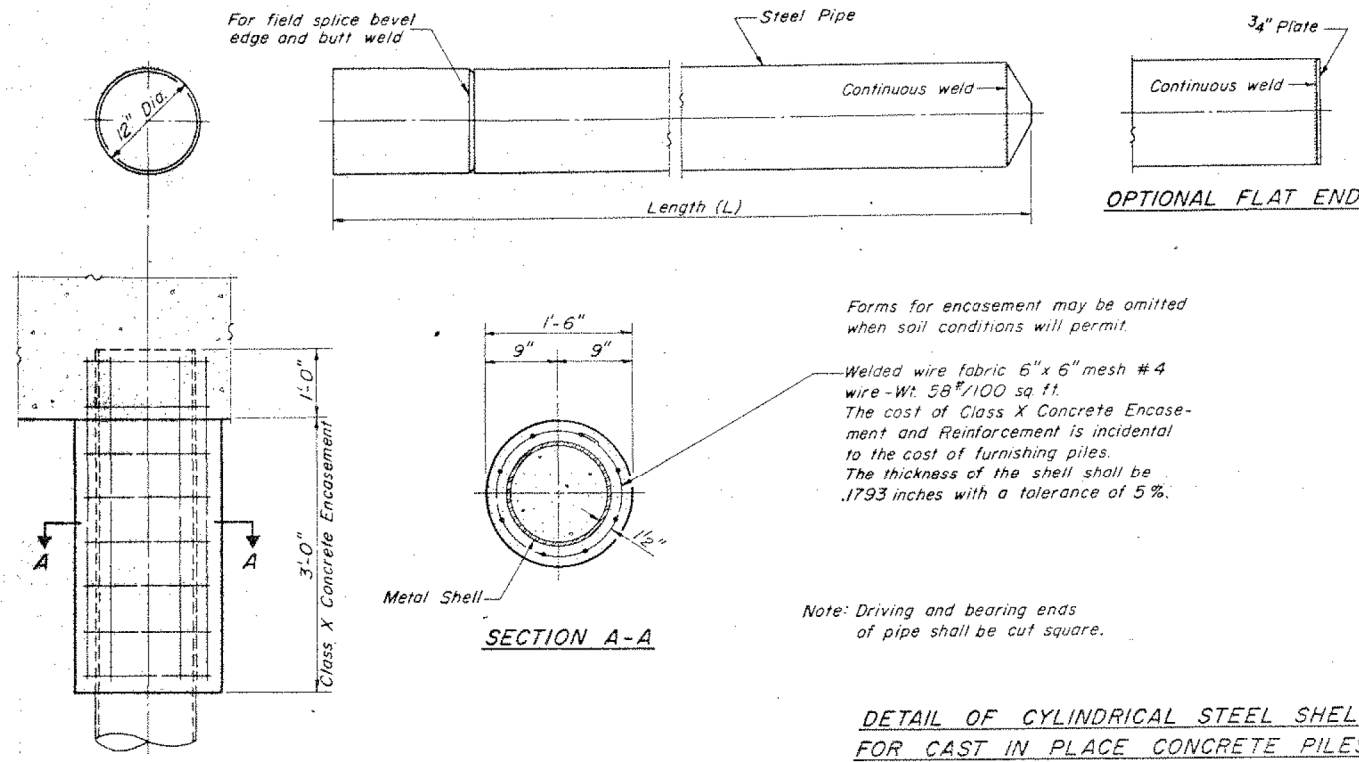
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 022-0103

SHEET NO. 8 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DuPage	402	233

CONTRACT NO. 62C24
ILLINOIS FED. AID PROJECT



DESIGNED J. M. Patel

CHECKED James M. Patel

DRAWN J. M. Patel

CHECKED JB

EXAMINED [Signature]

PASSED [Signature]

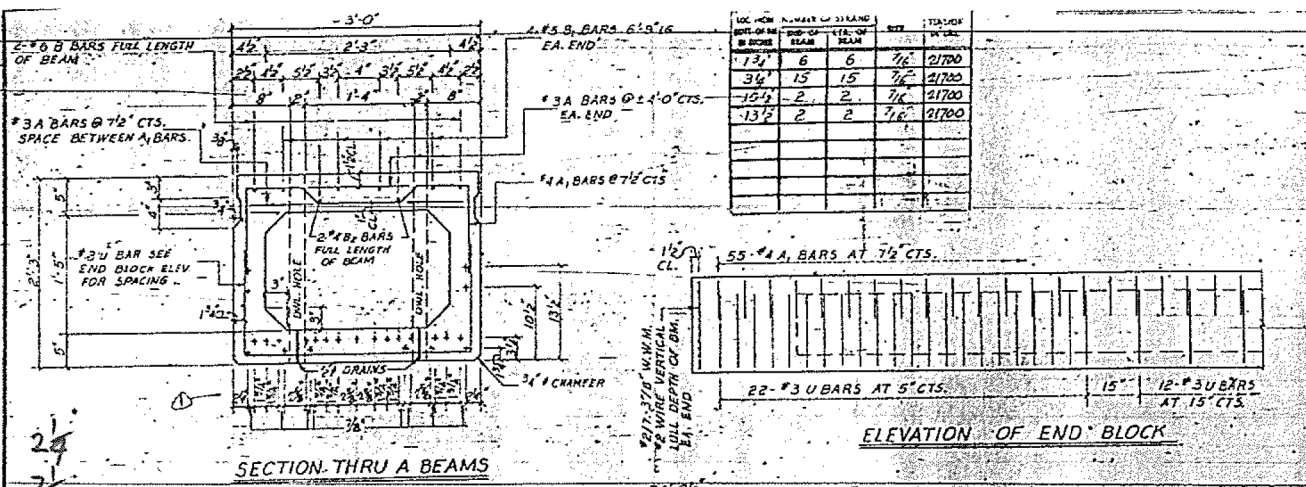
APPROVED [Signature]

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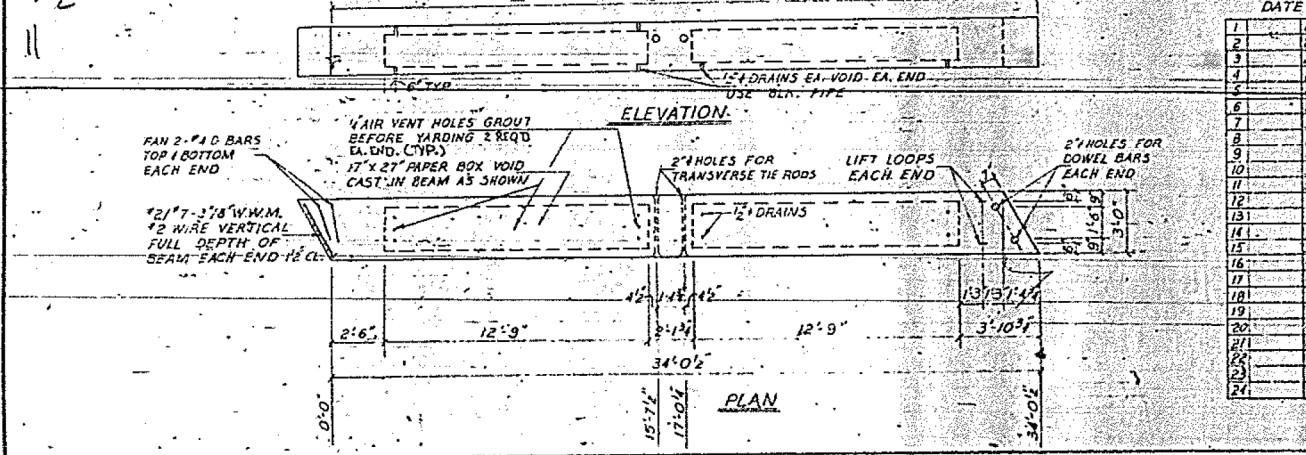
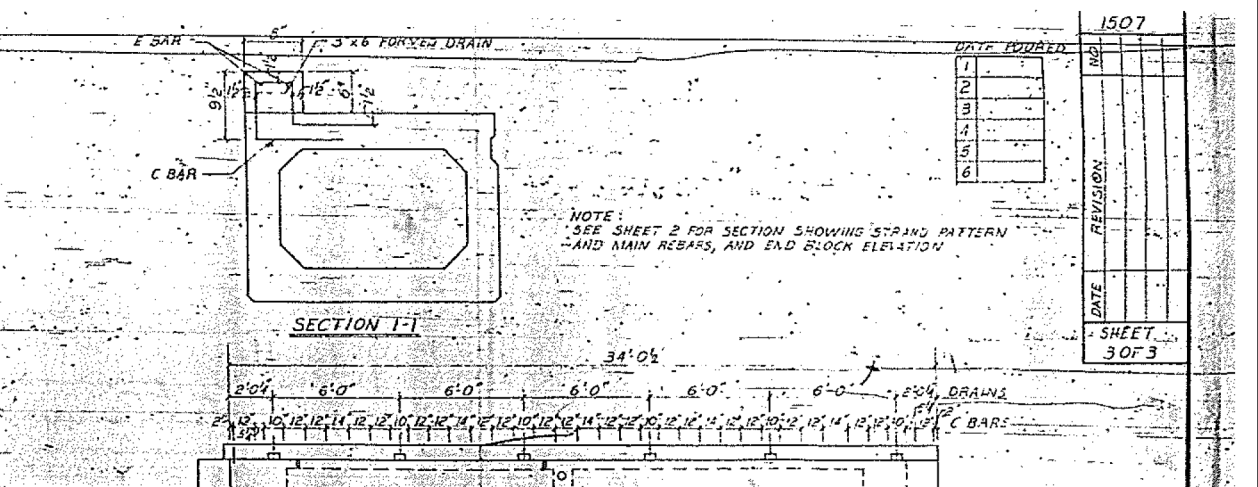
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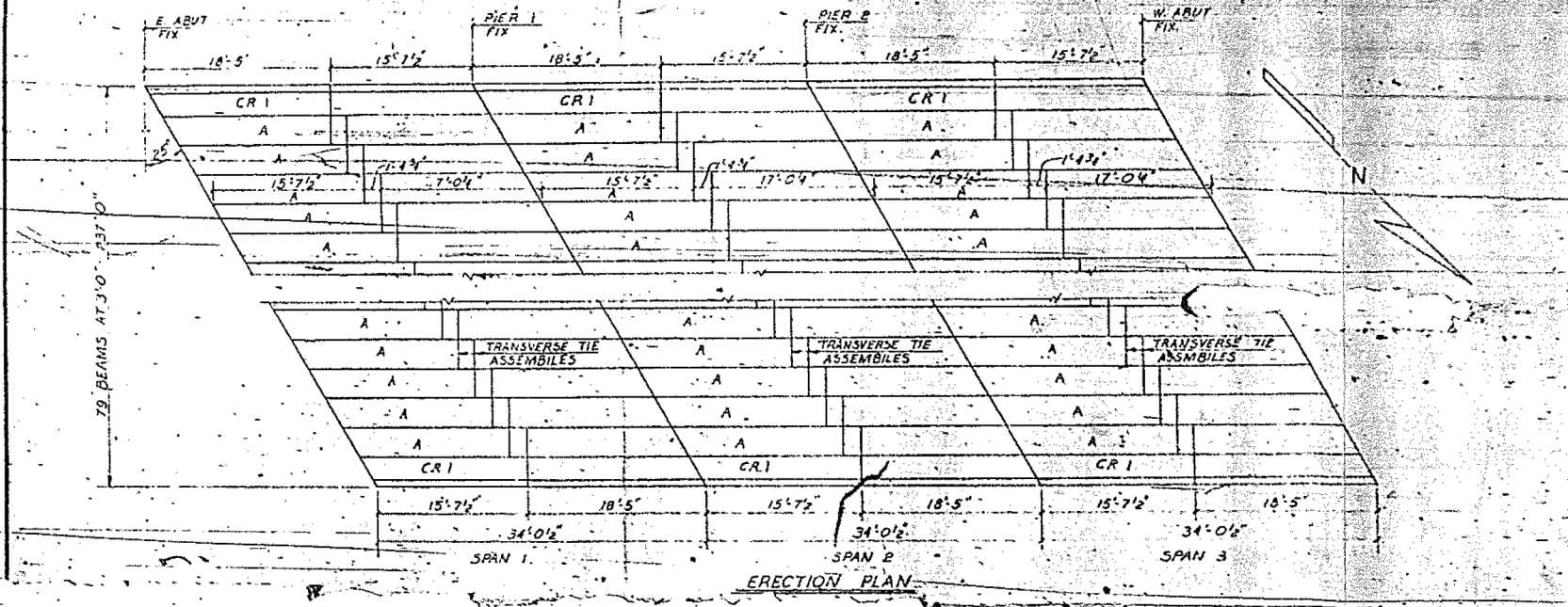
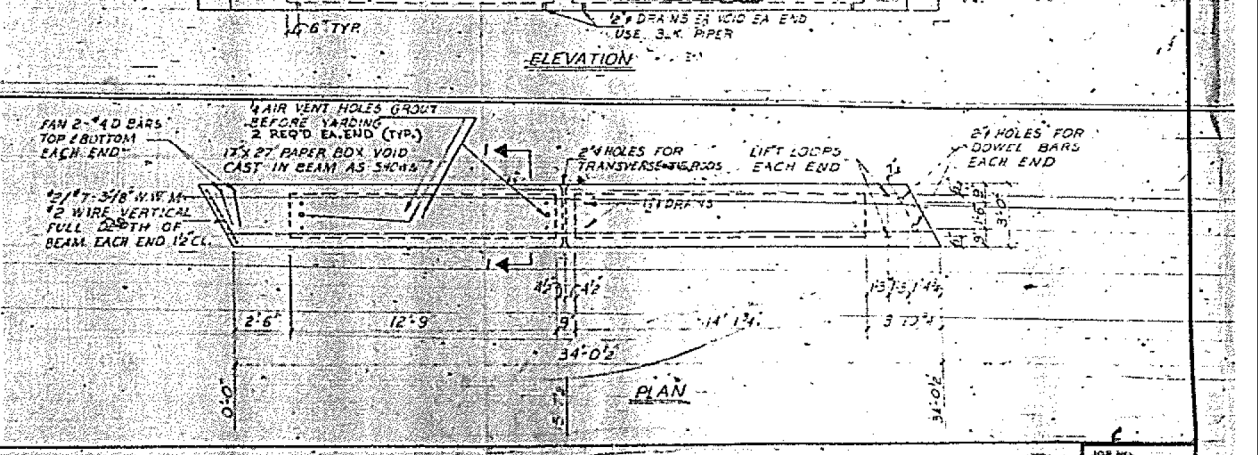
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PLOT SCALE =	N.T.S.	CHECKED -	AH	REVISED -	
PLOT DATE =	12/15/2017	DRAWN -	DCP	REVISED -	
		CHECKED -	AH	REVISED -	



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APPROVED
 On Main Dimensions and Materials Only
 APR 10 1970
 CAREY
 Director of Bridge & Traffic Structures

SEVERAL NOTES

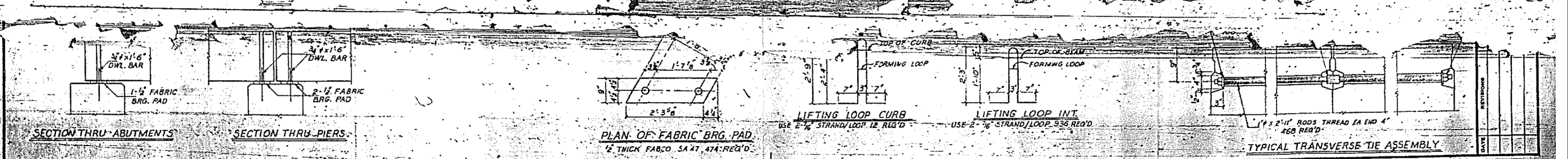
ALL WIRE MESH SHALL CONFORM TO A.S.T.M. A185 JOB TO BE POURED AT ROCHELLE CURB TO BE POURED AT PLANT THE TRANSVERSE TIE RODS, NUTS, S.EEVS AND WASHERS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH A.S.T.M. A153 AFTER FABRICATION. STEEL FOR TRANSVERSE TIE RODS AND DOWEL BARS SHALL BE S.A.F. 1020 STRUCTURAL STEEL A.S.T.M. A 36 OR INTERMEDIATE GRADE A.S.T.M. A 15. PRESTRESSING STEEL STRANDS SHALL BE -1E-270 K.S.I. STRAND SHALL CONFORM TO REQUIREMENTS OF THE SPECIAL PROVISIONS THIS JOB TO BE STATE INSPECTED

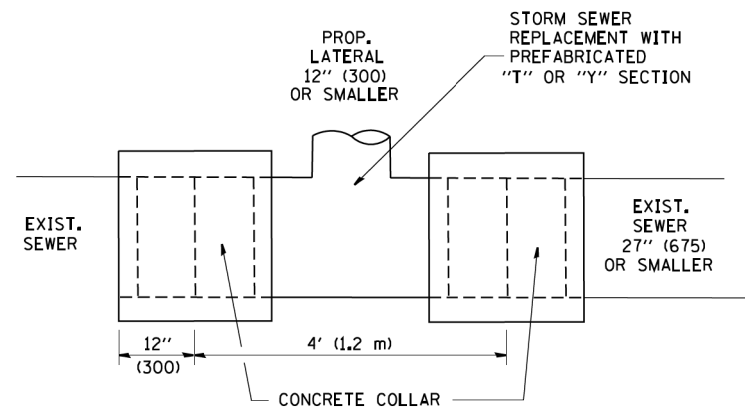
FILE SET
 I-90-3(17) 80
 FAT ROUTE 90
 SEC. 22-1B-1
 DUPLICATE COUNT
 C-91-725-69
 CONTR. NO 1507

BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
A	1335	#3	2'-9"	
A1	1335	#4	5'-5"	
B	474	#5	33'-9"	
B1	1896	#5	6'-9"	
B2	1474	#4	33'-9"	
U	13272	#3	6'-3"	
D	1896	#4	7'-6"	
C	216	#4	3'-7"	
F	72	#6	33'-9"	
DWL	948	#6	7'-6"	

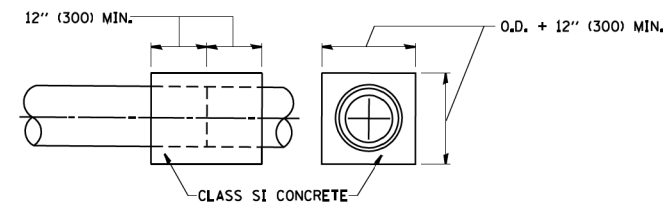
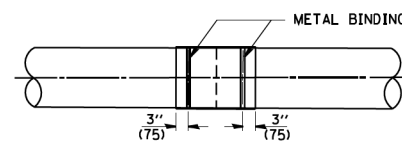
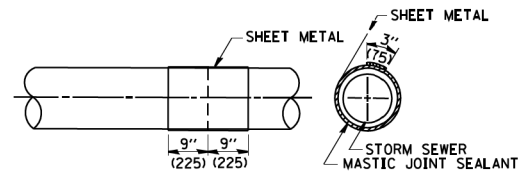
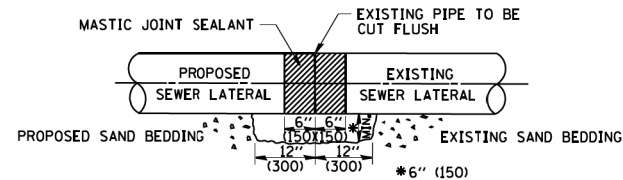
SECTION THRU ABUTMENTS
SECTION THRU PIERS
PLAN OF FABRIC BRG. PAD
LIFTING LOOP CURB
LIFTING LOOP INT.
TYPICAL TRANSVERSE TIE ASSEMBLY





DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

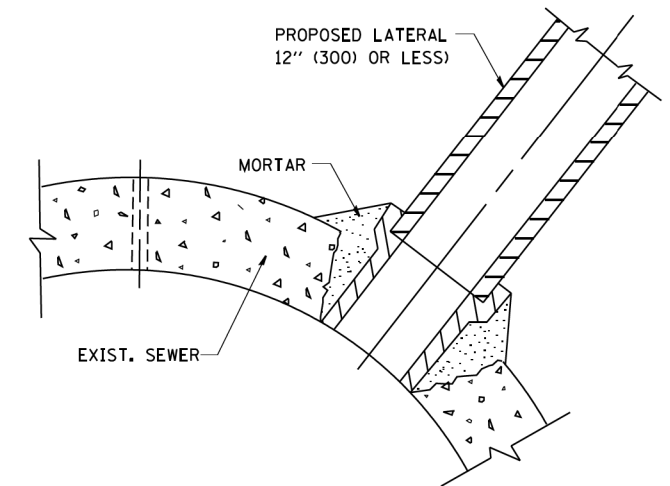


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0,0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

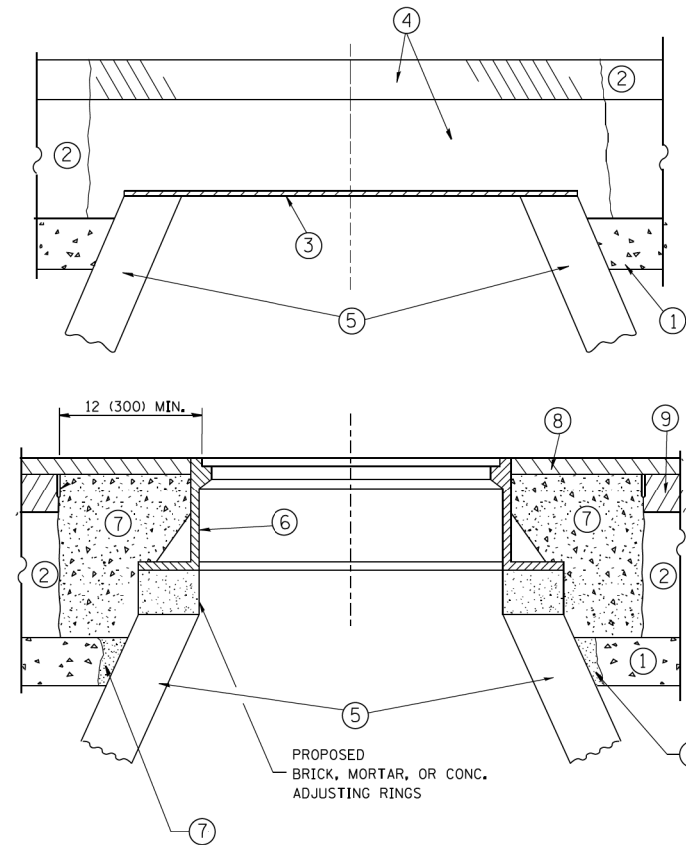
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\d\is\ts\td\22x34\bu07.dgn	USER NAME = gegl:anobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92
		DRAWN -	REVISED - R. SHAH 09-09-94
	PLOT SCALE = 50.000' / 1"	CHECKED -	REVISED - R. SHAH 10-25-94
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE. 290	SECTION (22-1B-11B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 236
BD500-01 (BD-7)		CONTRACT NO. 62C24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

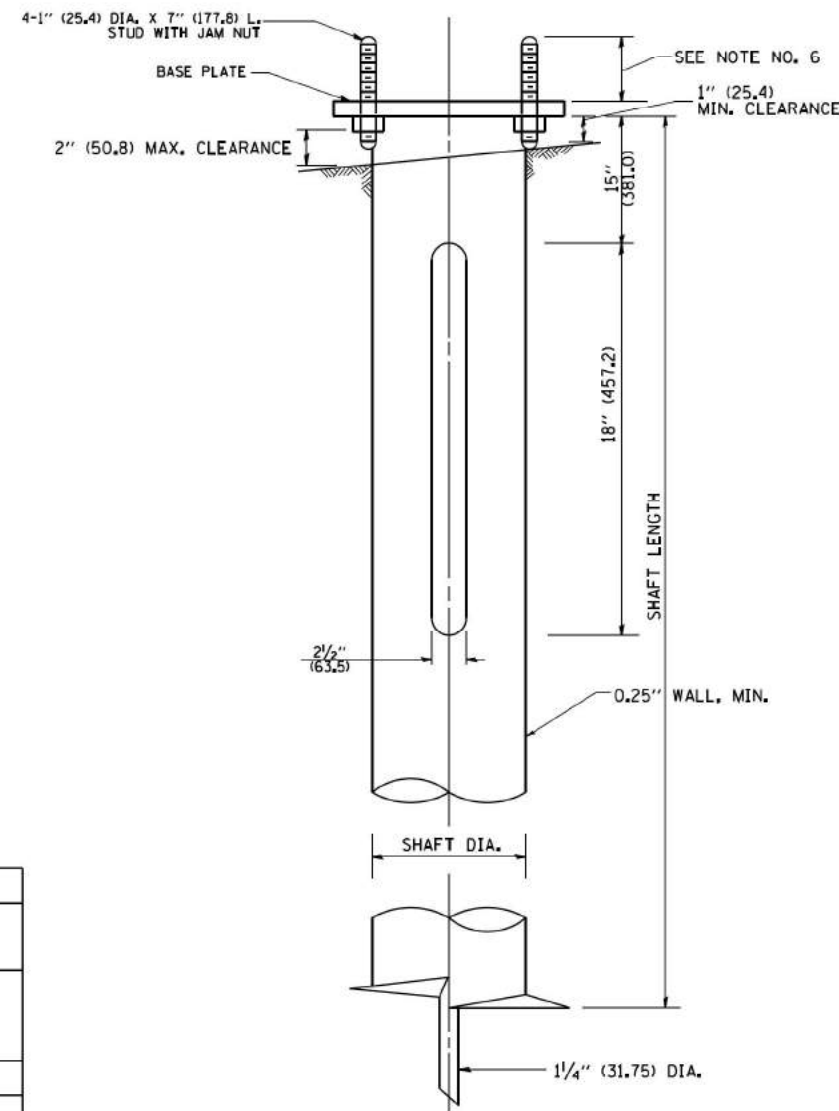
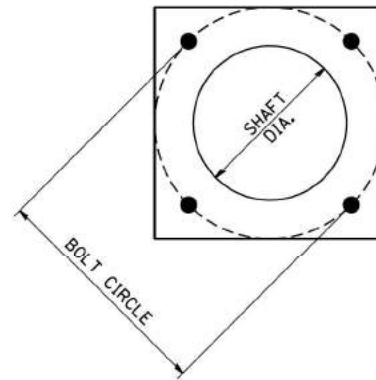
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
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	PLOT SCALE = 1/648.5000' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-11B)	DUPAGE	402	237
BD600-03 (BD-8)		CONTRACT NO. 62C24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



HELIX FOUNDATION SIZE

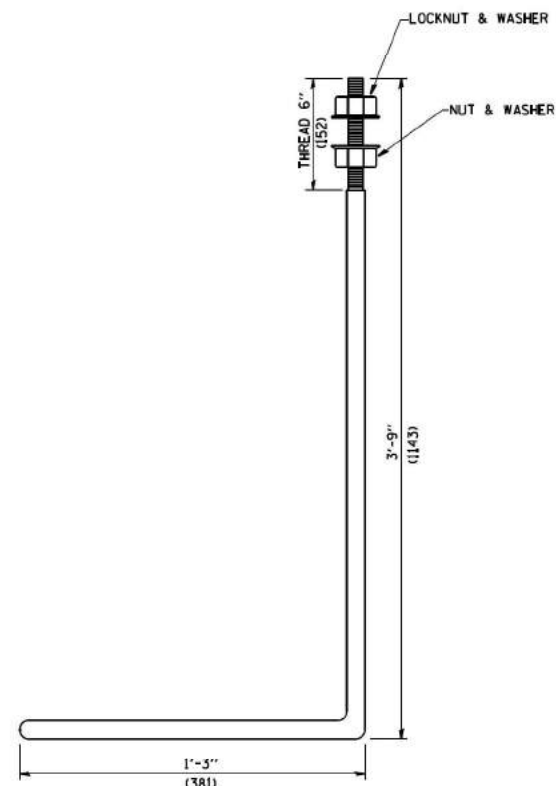
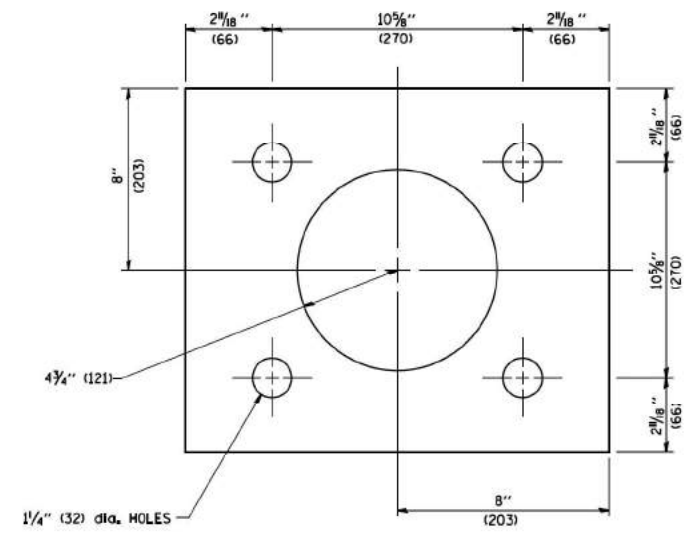
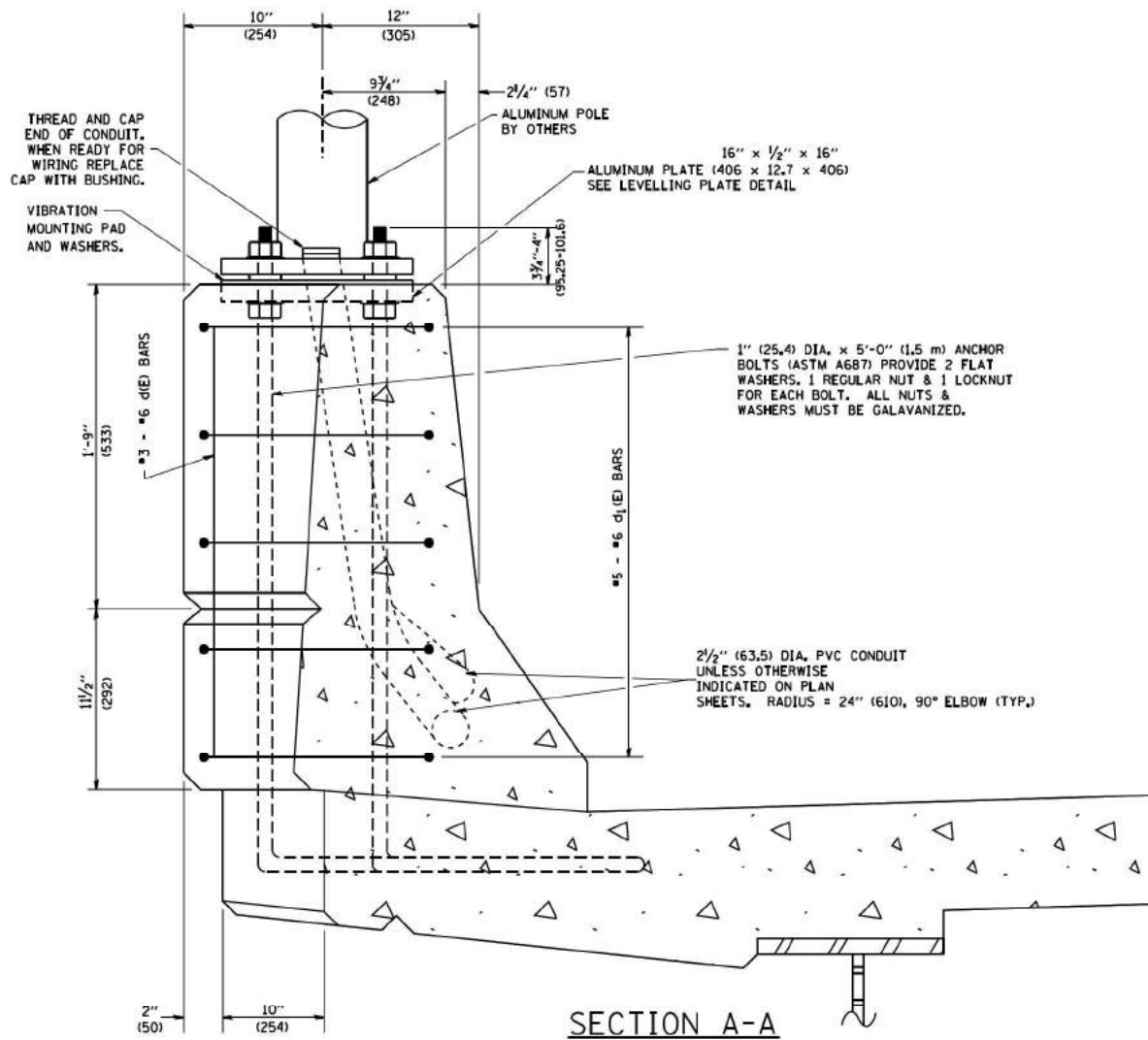
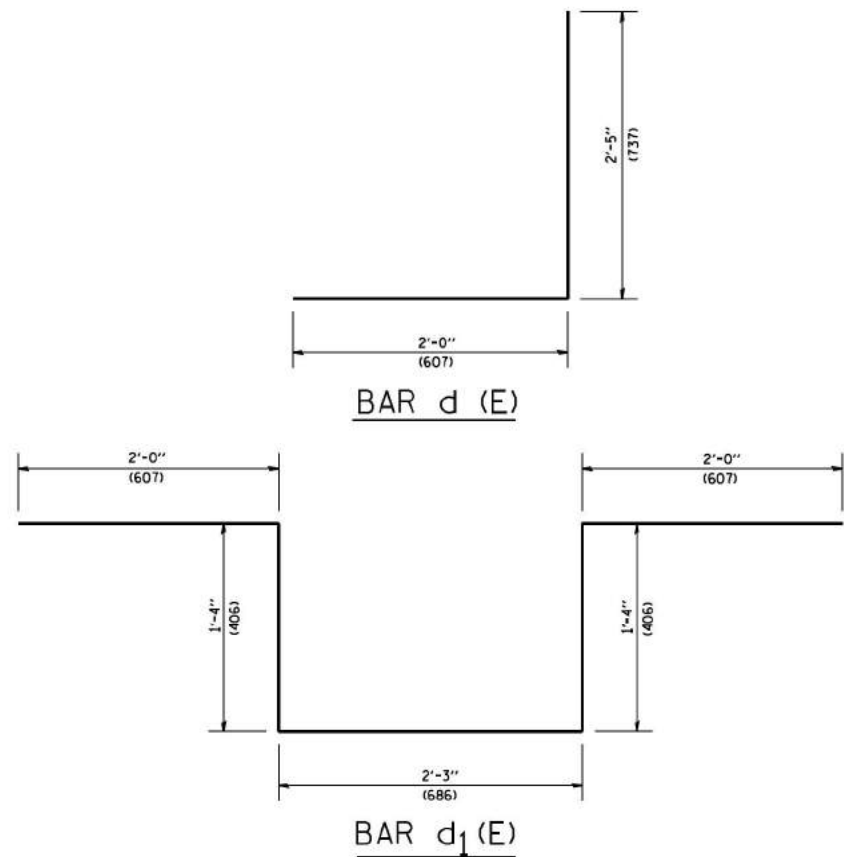
POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

METAL HELIX FOUNDATION MATERIALS

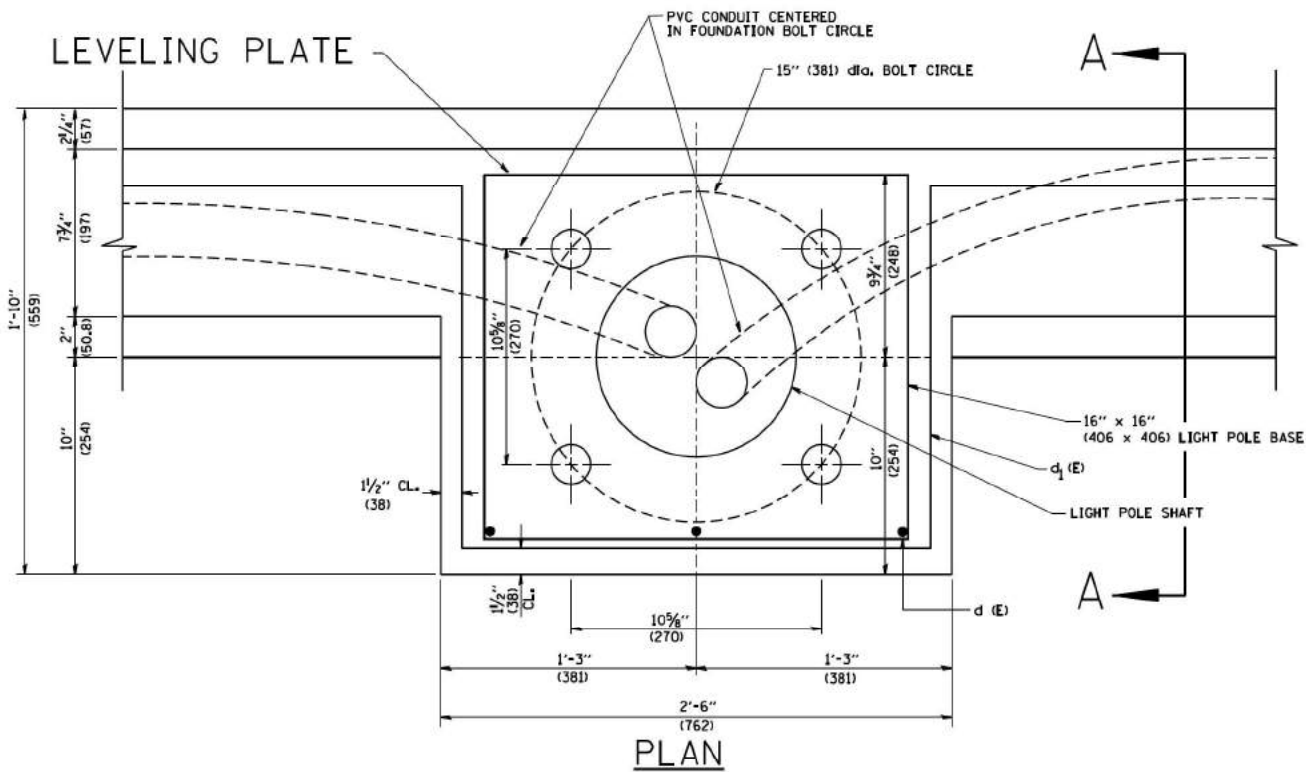
ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

NOTES:

- ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
- ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
- THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
- ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
- METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
- THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
- THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS (± 1°) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC (± 0.188) TO THE SHAFT AXIS.
- THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC (± 0.125) AND IN LINE (± 2°).
- THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.

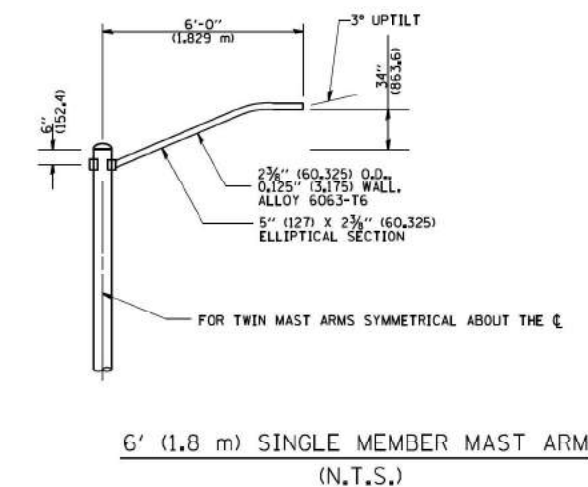
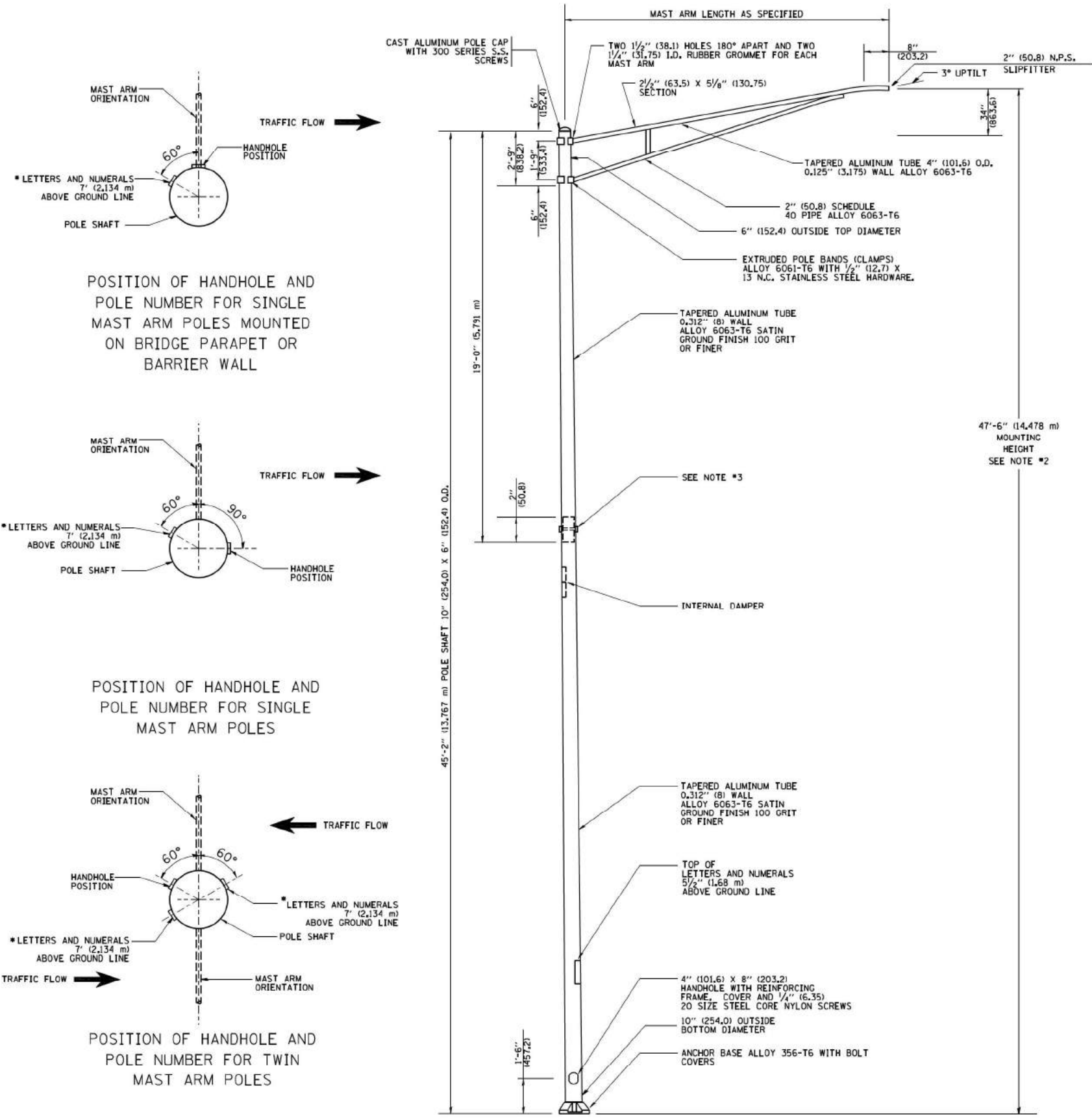


1" (25.4) dia. ANCHOR BOLT

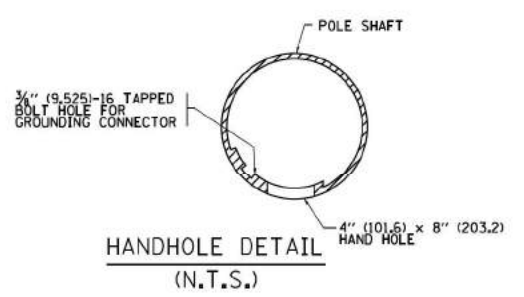
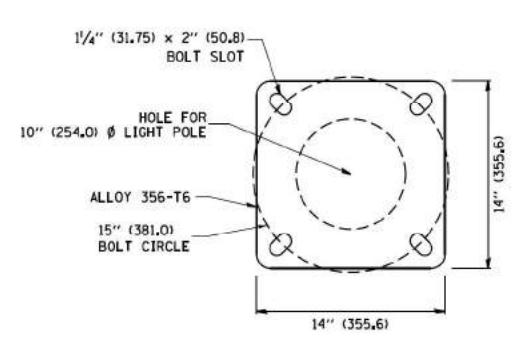


- NOTES**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. LEVEL LIGHT POLE PLATES, USING THE FLANGE NUTS, PRIOR TO POURING THE PARAPET WALL. THE TOP OF THE PLATE SHALL BE AT THE SAME ELEVATION AS THE FINISHED CONCRETE PARAPET.
 3. THE COST OF ANCHOR BOLTS, CONDUIT, LEVELLING PLATE AND FOUNDATION IS INCLUDED IN THE COST OF THE BRIDGE STRUCTURE.

FILE NAME = W:\dststd\22x34\be338.dgn	USER NAME = geglanoht	DESIGNED -	REVISED - 04-22-02	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL		F.A. RTE. = 290	SECTION (22-1B-1)B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 239	
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		15" (381 mm) BOLT CIRCLE		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 62C24	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -									

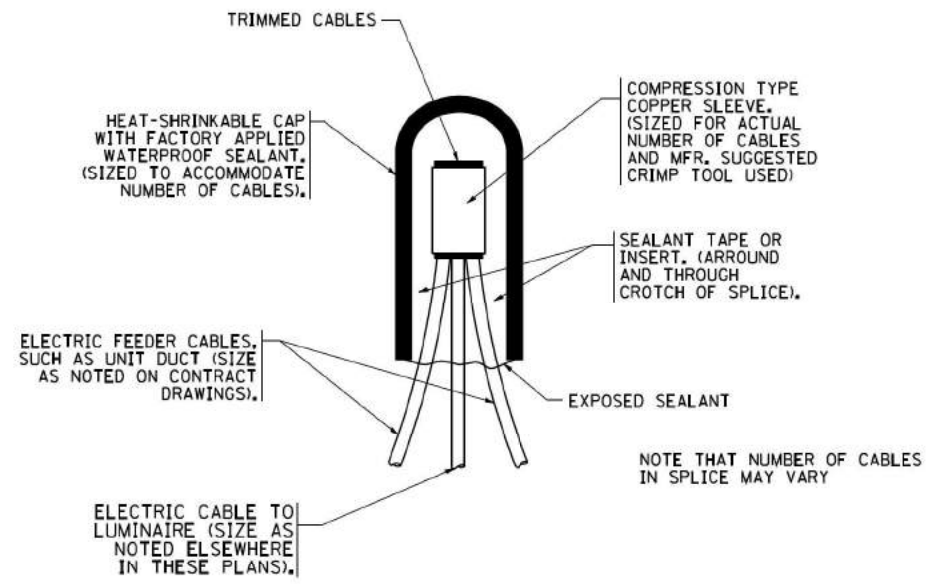


- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENDON TO THE BOTTOM OF THE ANCHOR BASE.
 3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



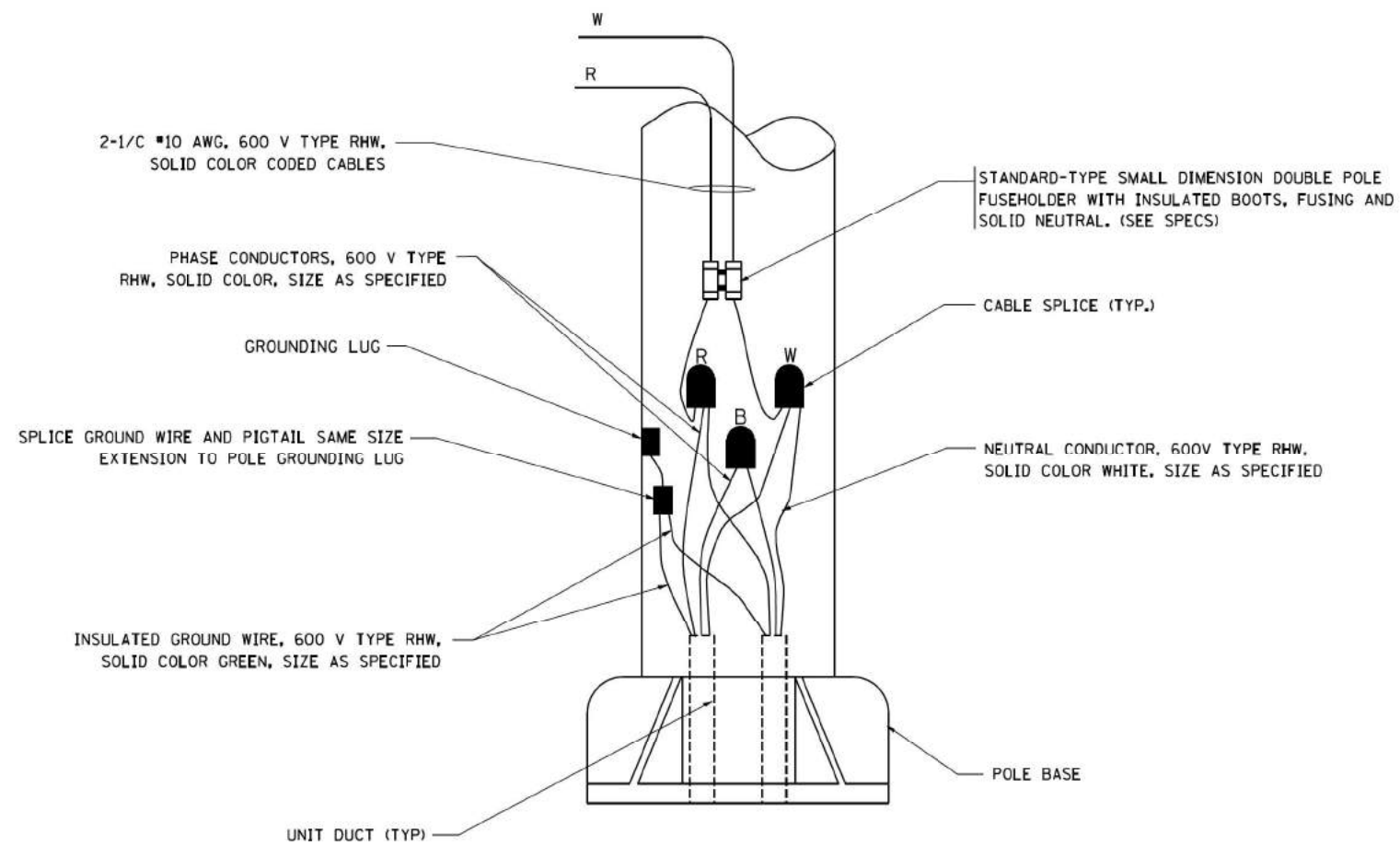
FOR INFORMATION ONLY

FILE NAME =	USER NAME = d-ivakosgn	DESIGNED -	REVISED - R. TOMSONS 09-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALUMINUM LIGHT POLE			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		DRAWN - CADData\CADsheets\be400.dgn	REVISED - R. TOMSONS 09-03-03		47'-6" (14.478 m) MOUNTING HEIGHT			290	(22-1B-1)B	DUPAGE	402	240	
		CHECKED -	REVISED - R. TOMSONS 01-18-13		SCALE#	SHEET 1	OF 1 SHEETS	STA.	TO STA.	BE-400	CONTRACT NO. 62C24		
		DATE -	REVISED - R. TOMSONS 03-18-15							ILLINOIS FED. AID PROJECT			



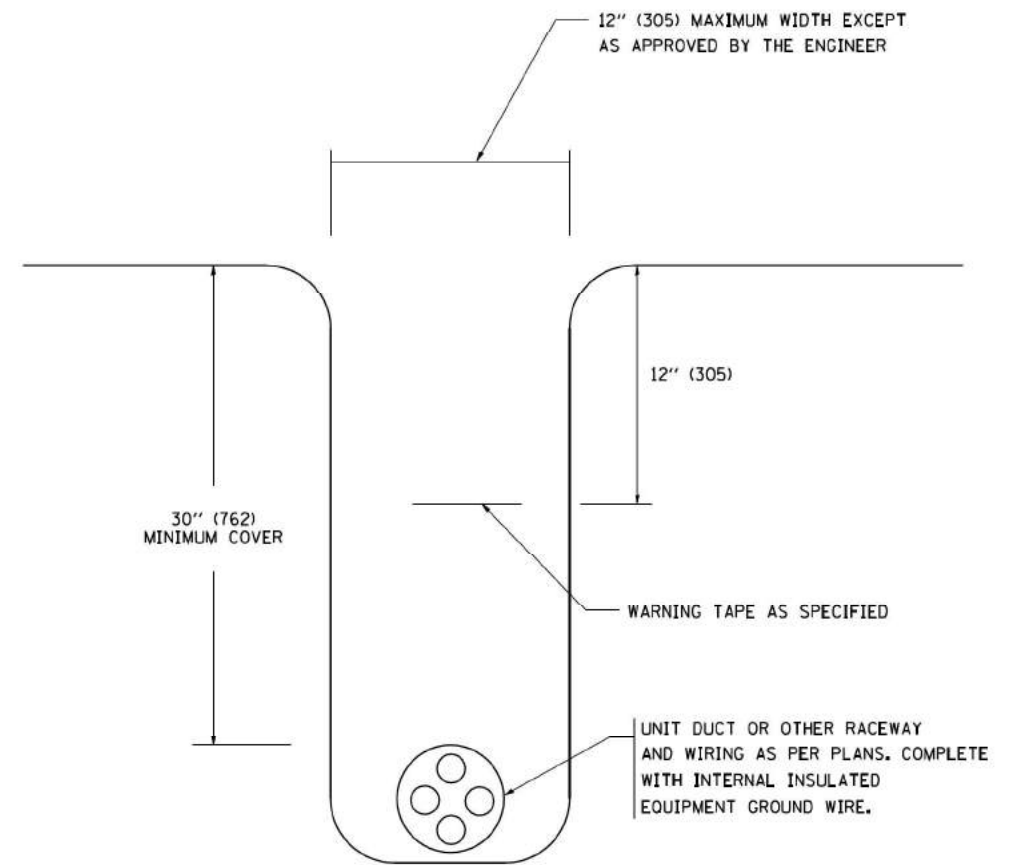
TYPICAL SPLICE DETAIL

N.T.S.



POLE WIRING DETAIL

N.T.S.



TYPICAL WIRING IN TRENCH DETAIL

N.T.S.

FILE NAME =
W:\dststd\22x34\be702.dgn

USER NAME = geglanoht
DESIGNED -
DRAWN -
PLOT SCALE = 50,000' / 1IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED -
DATE -

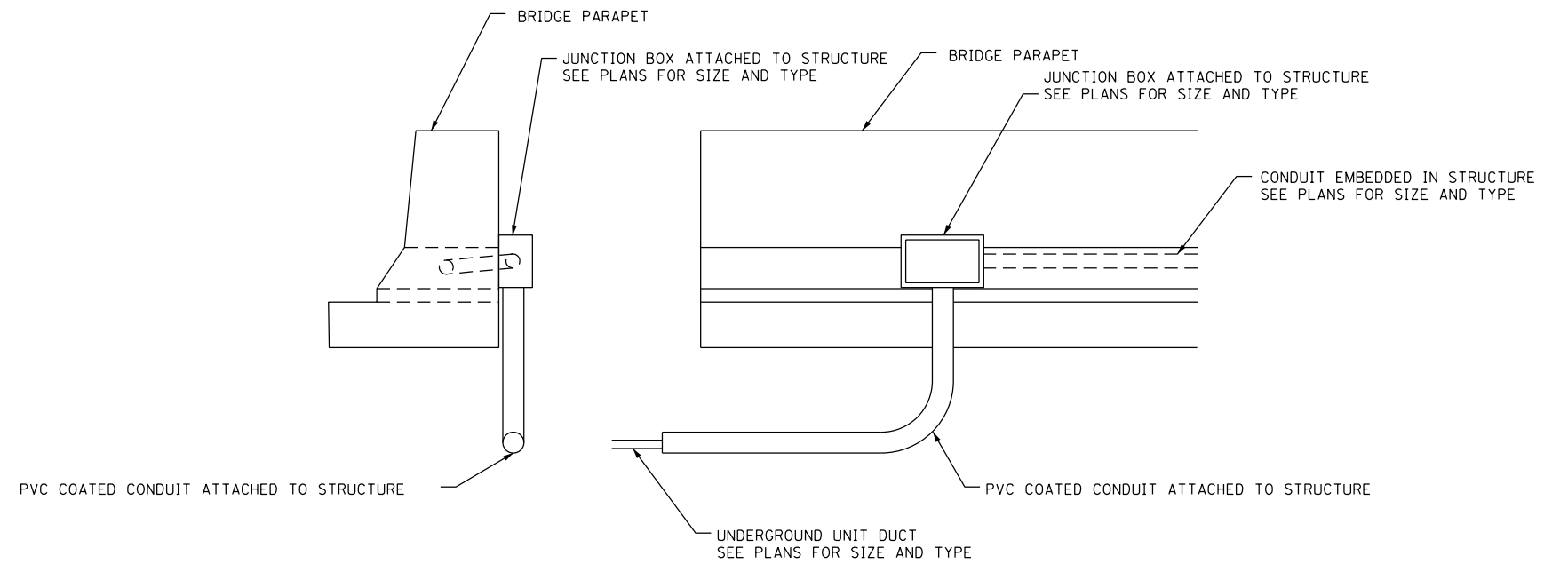
REVISED - 08-08-03
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

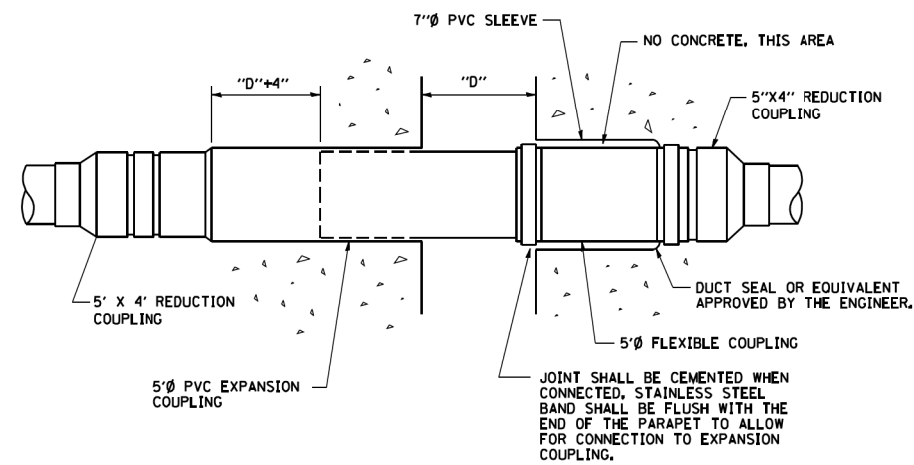
MISC. ELECTRICAL DETAILS
SHEET A

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

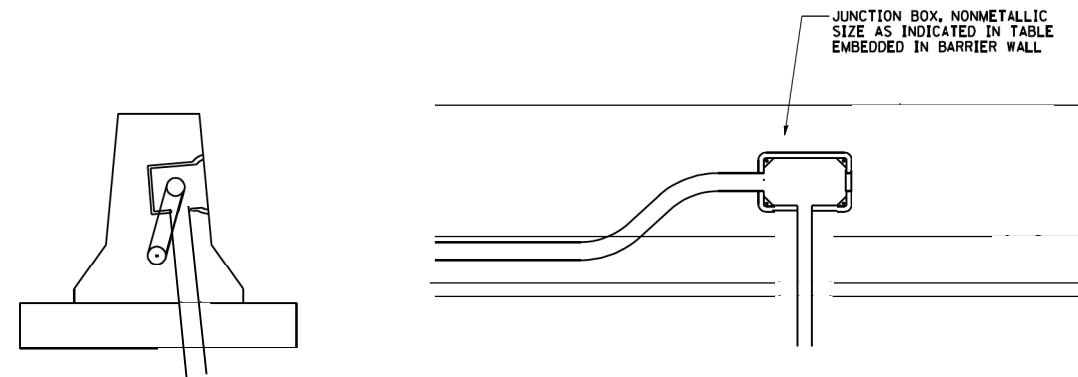
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	241
BE-702			CONTRACT NO. 62C24	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



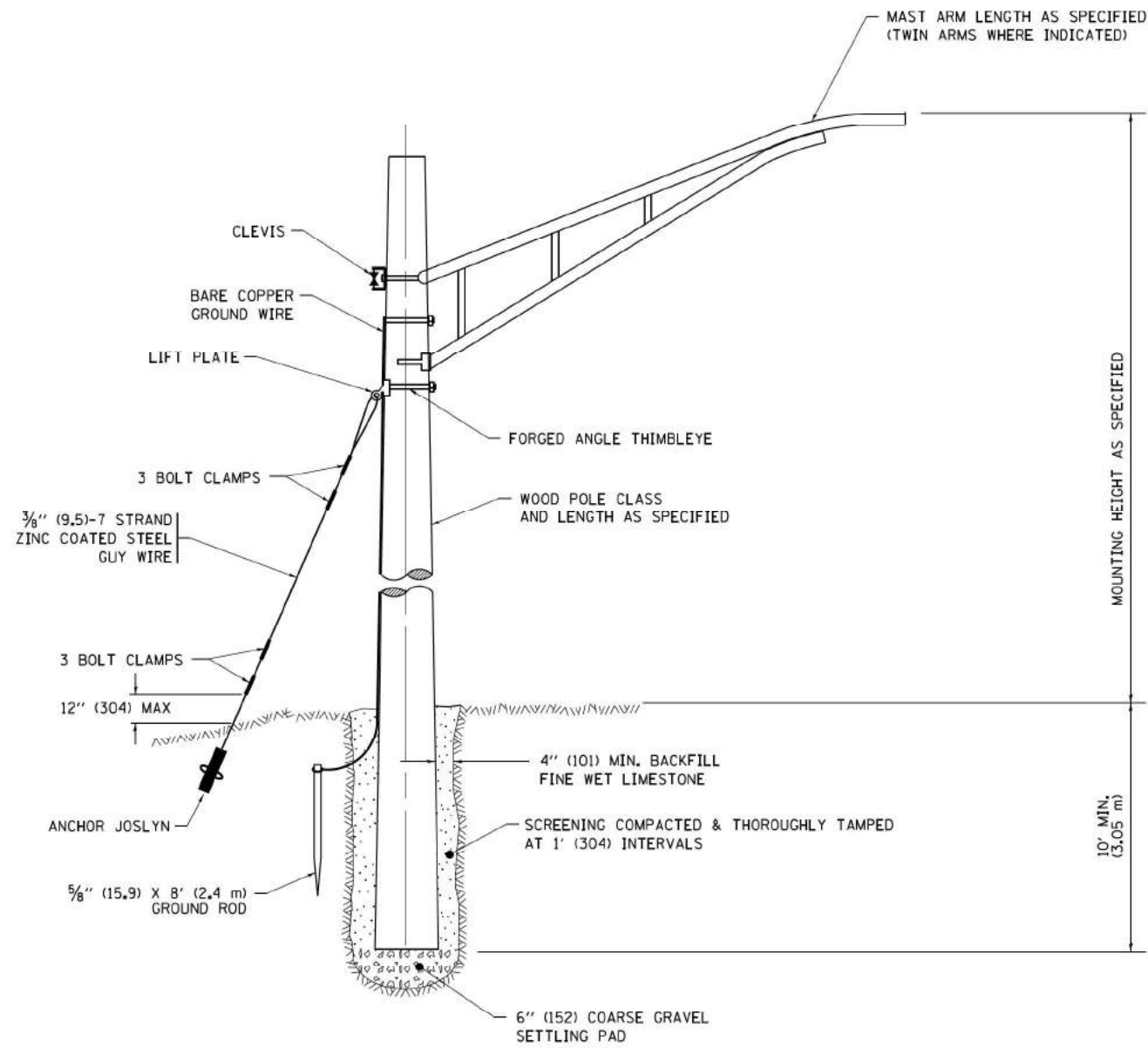
JUNCTION BOX ATTACHED TO PARAPET WALL



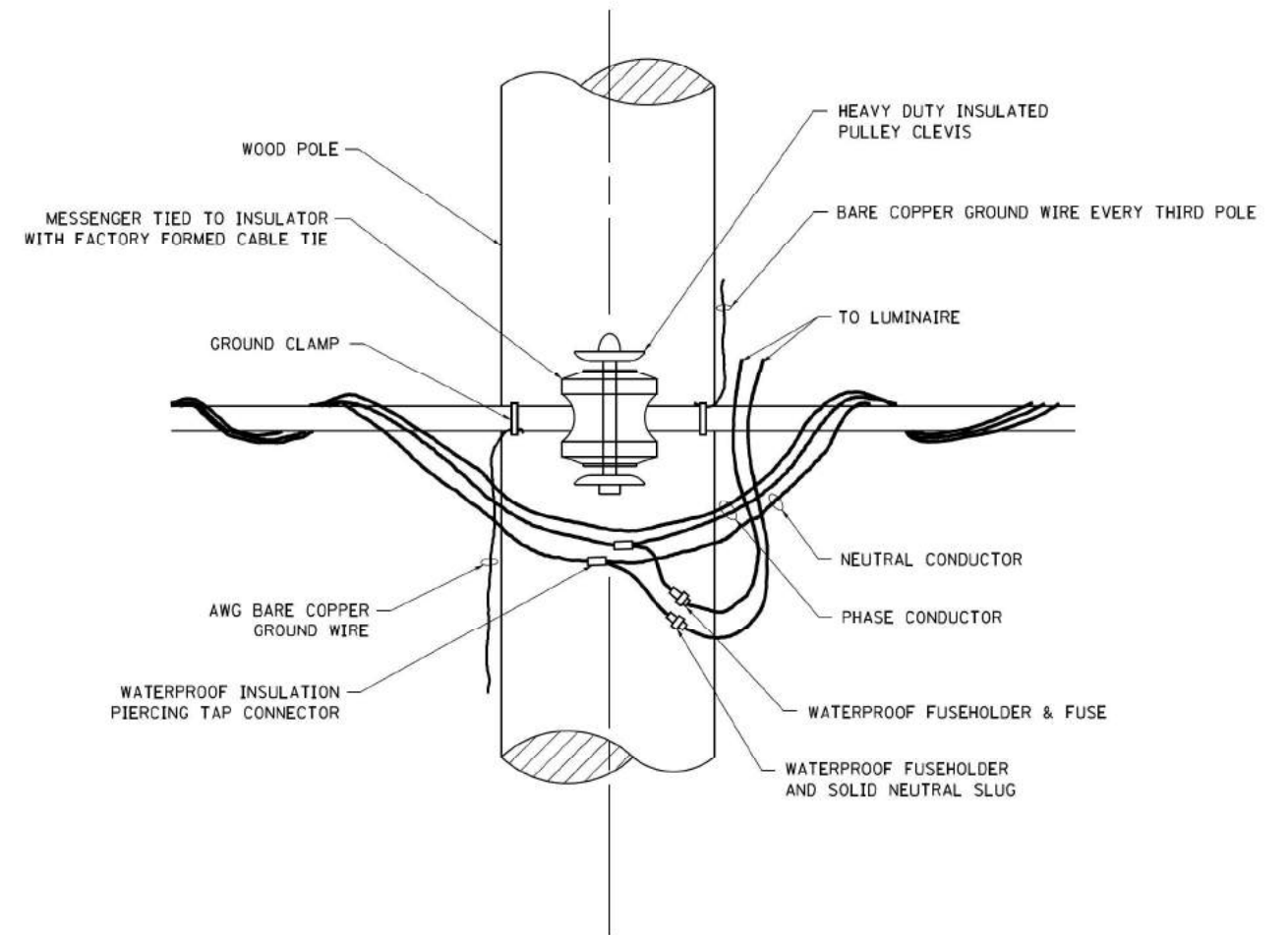
INSTALLATION OF CONDUIT
IN BRIDGE PARAPET EXPANSION JOINT
(N.T.S.)



ED - BW
JUNCTION BOX EMBEDDED IN BARRIER WALL



TEMPORARY LIGHT POLE DETAIL

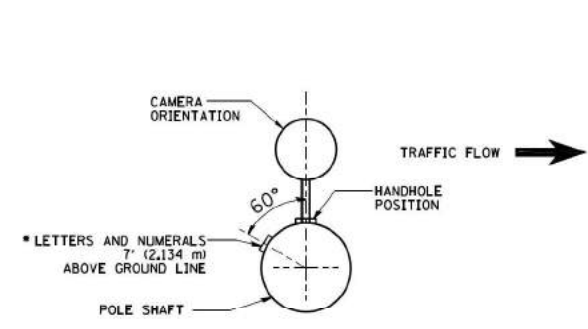


TEMPORARY LIGHT POLE ATTACHMENT DETAIL

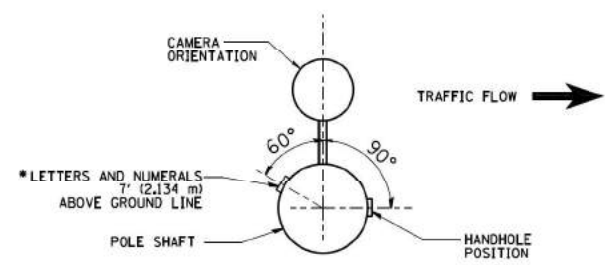
NOTE:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED.
2. MAST ARM SHALL BE RATED FOR THE SPECIFIED MOUNTING HEIGHT.

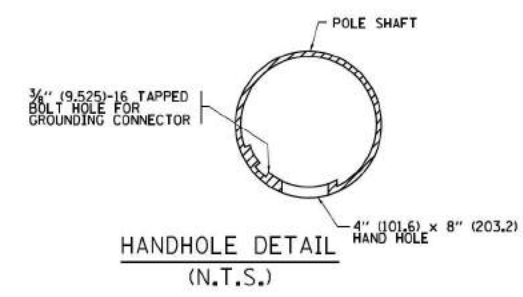
FILE NAME =	USER NAME = footenj	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBID\INTEG\Illinois\gov\FWIDOT\Documents\DOT Offices\District 1\Projects\Dist	DRAWN\CADData\CADsheets\be00.dgn	REVISED - R.T. 07-26-16	REVISED -					290	(22-1B-1)B	DUPAGE	402	243
Default	PLOT SCALE = 50,000' / in.	CHECKED -	REVISED -		BE-800			CONTRACT NO. 62C24				
	PLOT DATE = 9/1/2016	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



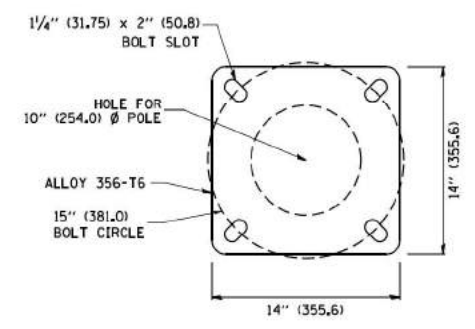
POSITION OF HANDHOLE AND CAMERA NUMBER FOR POLE MOUNTED ON BRIDGE PARAPET OR BARRIER WALL



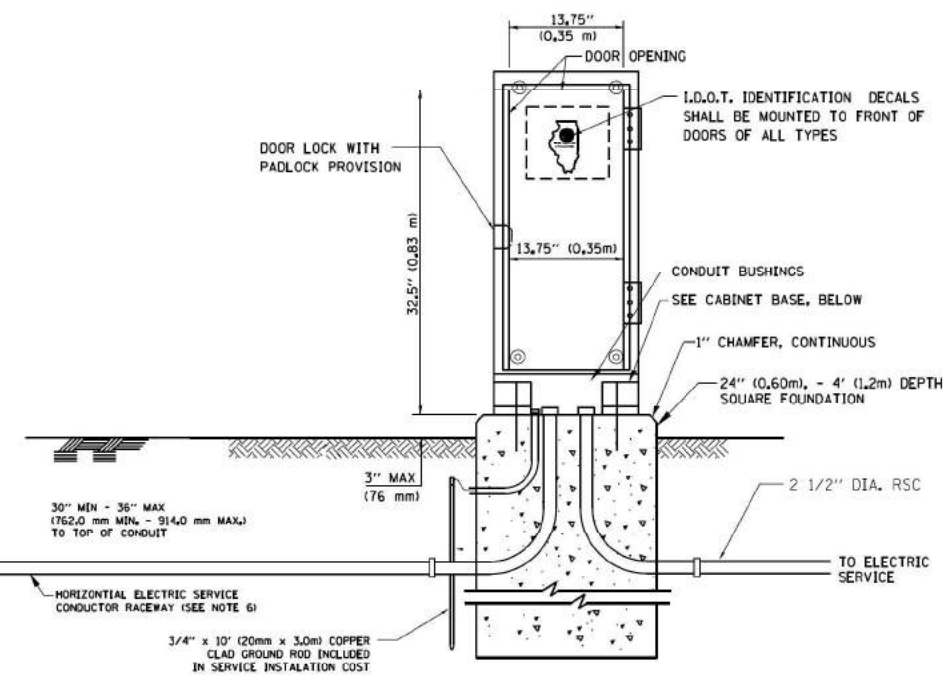
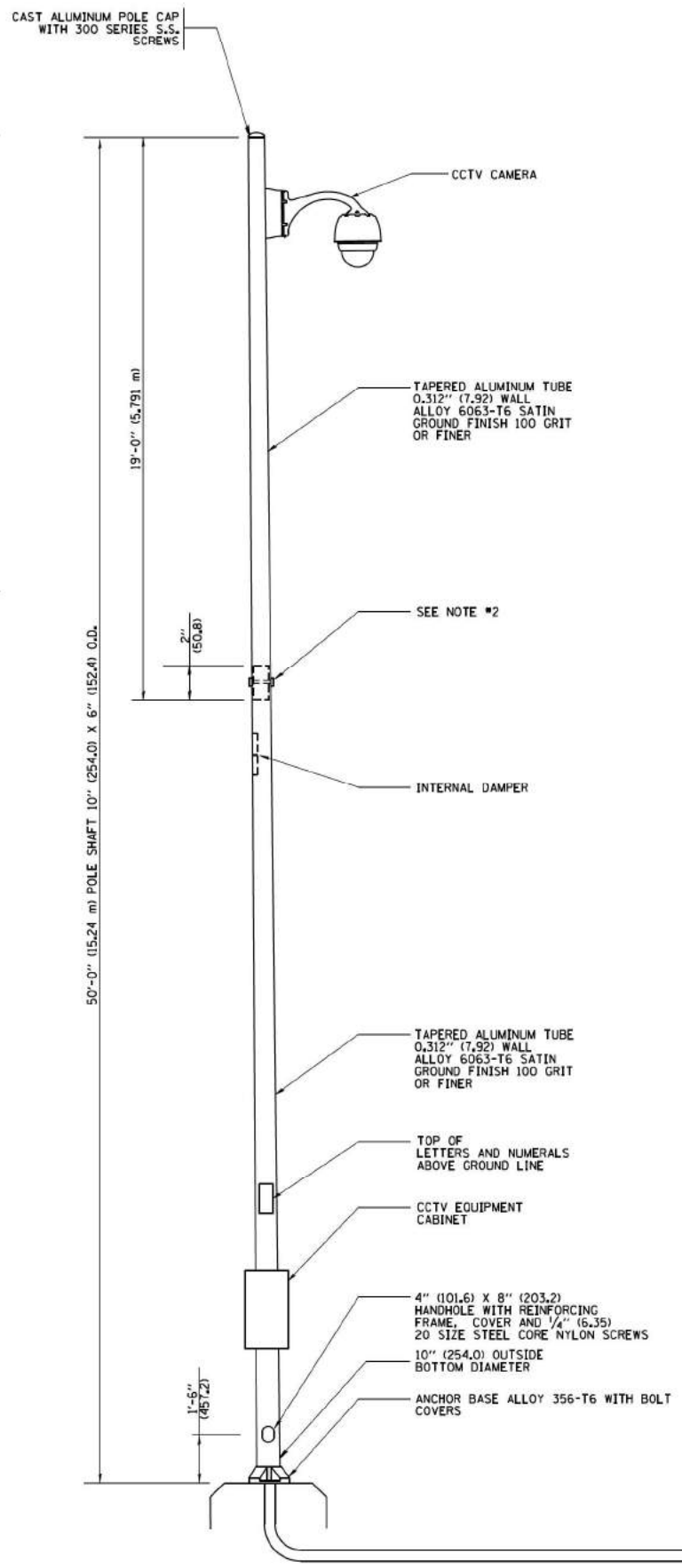
POSITION OF HANDHOLE AND CAMERA NUMBER



HANDHOLE DETAIL (N.T.S.)



POLE BASE PLATE DETAIL 15 INCH (381.0) BOLT CIRCLE



- NOTES:**
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 3. THE POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 4. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 5. POLES WILL BE INSTALLED IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.
 6. POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.

FILE NAME =	USER NAME = d-ivakosgn	DESIGNED -	REVISED - R. TOMSONS 09-06-00
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Default	PLOT SCALE = 50.000 / 1 in.	CHECKED -	REVISED - R. TOMSONS 11-20-14
	PLOT DATE = 12/22/2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CCTV CAMERA EQUIPMENT INSTALLATION			
50' (15.24 m) MOUNTING HEIGHT			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	244
BE-1100		CONTRACT NO. 62C24		
ILLINOIS FED. AID PROJECT				

CABLE FIBER ASSIGNMENTS				ORIGINATION		IL Route 83	
CABLE DESIGNATION				DESTINATION		Nordic Tower	
BUFFER TUBE	FIBER	FIBER NO	ASSIGNMENT	BUFFER TUBE	FIBER NO	FIBER NO	ASSIGNMENT
BLUE	Blue	1	REVLAC DATA TO HQ Jumpered to Fiber Can 1 Port 87 to North	SLATE	Blue	49	DARK
	Orange	2	REVLAC DATA TO HQ Jumpered to Fiber Can 1 Port 88 to North		Orange	50	DARK
	Green	3	DARK		Green	51	DARK
	Brown	4	DARK		Brown	52	DARK
	Slate	5	JRTC to IDOT IT HQ		Slate	53	DARK
	White	6	JRTC to IDOT IT HQ		White	54	DARK
	Red	7	DARK		Red	55	DARK
	Black	8	DARK		Black	56	DARK
	Yellow	9	DARK		Yellow	57	DARK
	Violet	10	DARK		Violet	58	DARK
	Rose	11	DARK		Rose	59	DARK
	Aqua	12	DARK		Aqua	60	DARK
ORANGE	Blue	13	GCM to D1HQ - Hillside	WHITE	Blue	61	DARK
	Orange	14	GCM to D1HQ - Hillside		Orange	62	DARK
	Green	15	TELE-CONFERENCE TSC/Schaumburg Jumpered to Fiber Can 1 Port 86 to North		Green	63	DARK
	Brown	16	DARK		Brown	64	DARK
	Slate	17	OC-48 Hillside to D1HQ		Slate	65	DARK
	White	18	OC-48 Hillside to D1HQ		White	66	DARK
	Red	19	CISCO 3750 G3 DMS 43 Mill Rd		Red	67	DARK
	Black	20	CISCO 3750 G3 DMS 43 Mill Rd		Black	68	DARK
	Yellow	21	DARK		Yellow	69	DARK
	Violet	22	DARK		Violet	70	DARK
	Rose	23	DARK		Rose	71	DARK
	Aqua	24	DARK		Aqua	72	DARK
GREEN	Blue	25	DARK	RED	Blue	73	SURV/TSC/CMS T1 Rack Jumper to FlexPoint Standalone TX
	Orange	26	DARK		Orange	74	SURV/TSC/CMS T1 Rack Jumper to FlexPoint Standalone RX
	Green	27	DARK		Green	75	DARK
	Brown	28	DARK		Brown	76	DARK
	Slate	29	DARK		Slate	77	DARK
	White	30	DARK		White	78	Addison Camera Jumper to Fiber Can 3 to Port 80 to the East
	Red	31	DARK		Red	79	Addison Camera Jumper to Fiber Can 3 to Port 81 to the East
	Black	32	DARK		Black	80	Addison Camera Jumper to Fiber Can 3 to Port 78 to the East
	Yellow	33	DARK		Yellow	81	Addison Camera Jumper to Fiber Can 3 to Port 79 to the East
	Violet	34	DARK		Violet	82	DARK
	Rose	35	DARK		Rose	83	CISCO 3750 G2 CISCO 4506 - Hillside
	Aqua	36	DARK		Aqua	84	CISCO 3750 G2 CISCO 4506 - Hillside
BROWN	Blue	37	DARK	BLACK	Blue	85	Lighting SCADA
	Orange	38	DARK		Orange	86	Lighting SCADA
	Green	39	DARK		Green	87	IDOT LAN TO TSC Jumpered to Fiber Can 1 Port 89 to North
	Brown	40	DARK		Brown	88	IDOT LAN TO TSC Jumpered to Fiber Can 1 Port 90 to North
	Slate	41	DARK		Slate	89	DARK
	White	42	DARK		White	90	DARK
	Red	43	DARK		Red	91	REVLAC REDUNDANT FIBER Jumpered to Fiber Can 1 Port 91 to North
	Black	44	DARK		Black	92	REVLAC REDUNDANT FIBER Jumpered to Fiber Can 1 Port 92 to North
	Yellow	45	DARK		Yellow	93	DARK
	Violet	46	DARK		Violet	94	DARK
	Rose	47	DARK		Rose	95	DARK
	Aqua	48	DARK		Aqua	96	DARK

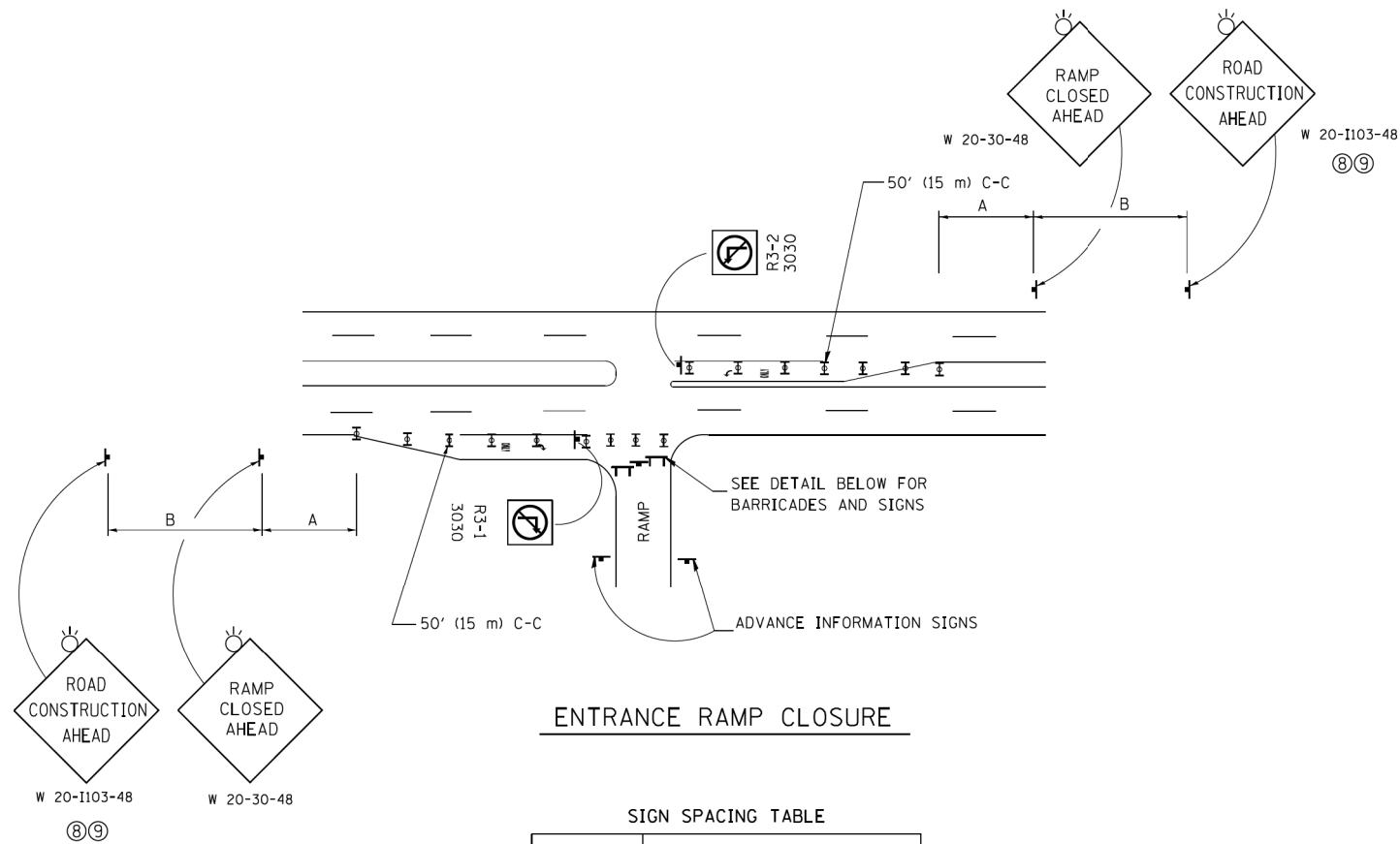
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		CHECKED -	REVISED -
		DATE - 06-29-10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CABLE FIBER ASSIGNMENTS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-1)B	DUPAGE	402	245
BE-2110		CONTRACT NO. 62C24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

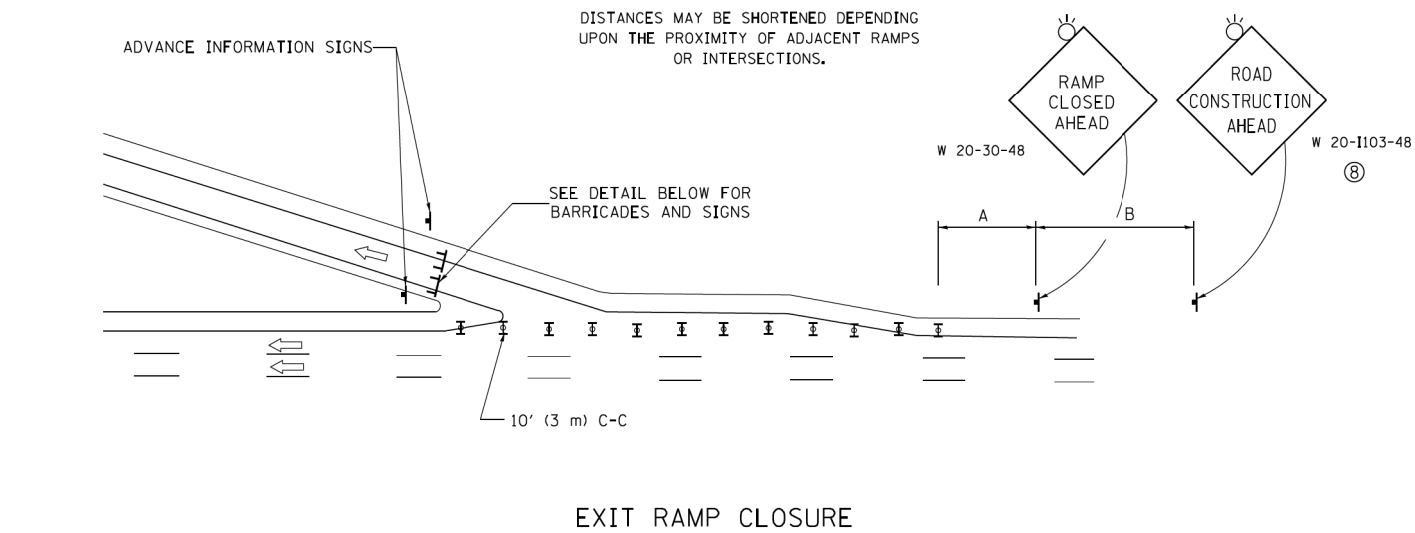


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY <24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

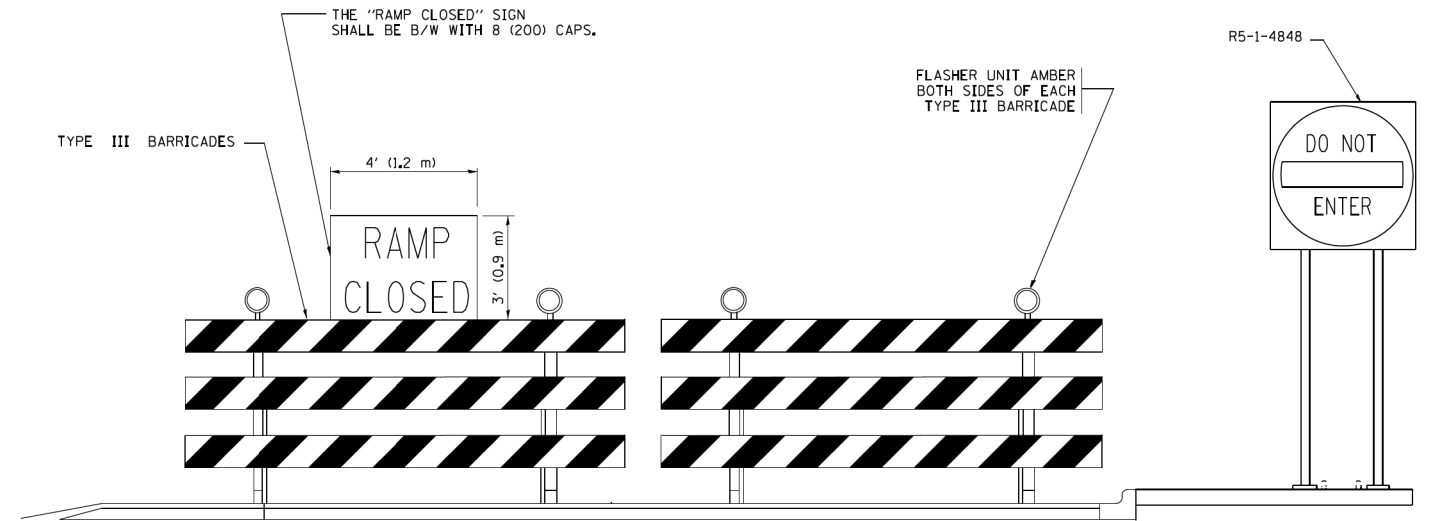
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

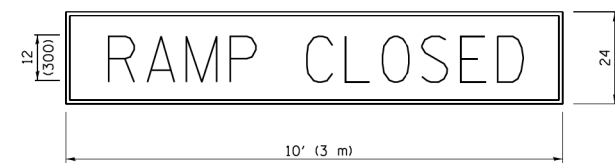
SYMBOLS

- ▬ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- ⌈ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

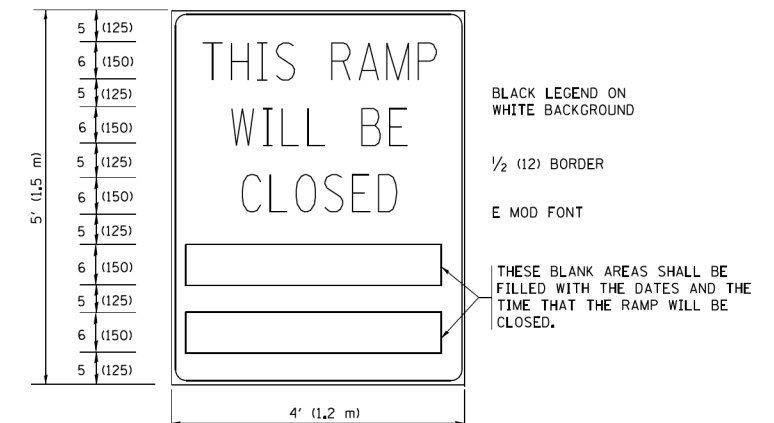
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

FILE NAME =	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06
		DRAWN -	REVISED - SPB 01-07
	PLOT SCALE = 50.000' / in.	CHECKED -	REVISED - SPB 12-09
	PLOT DATE = 7/8/2013	DATE - 02-83	REVISED - MD 06-13

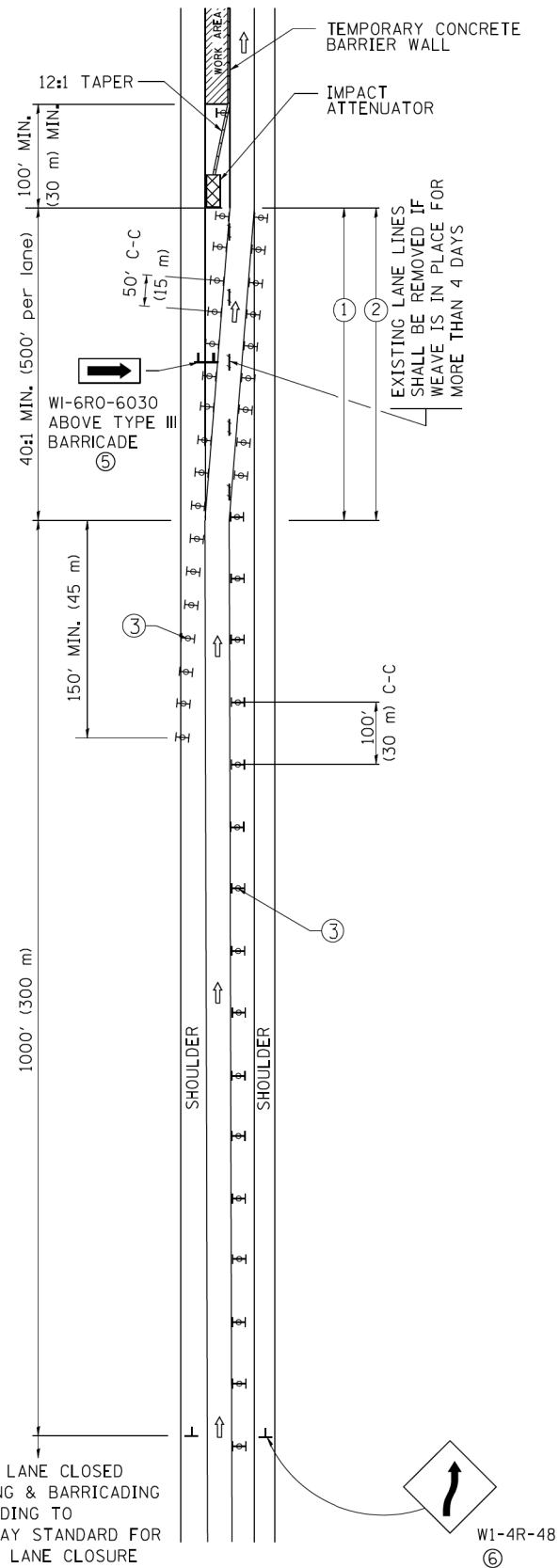
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

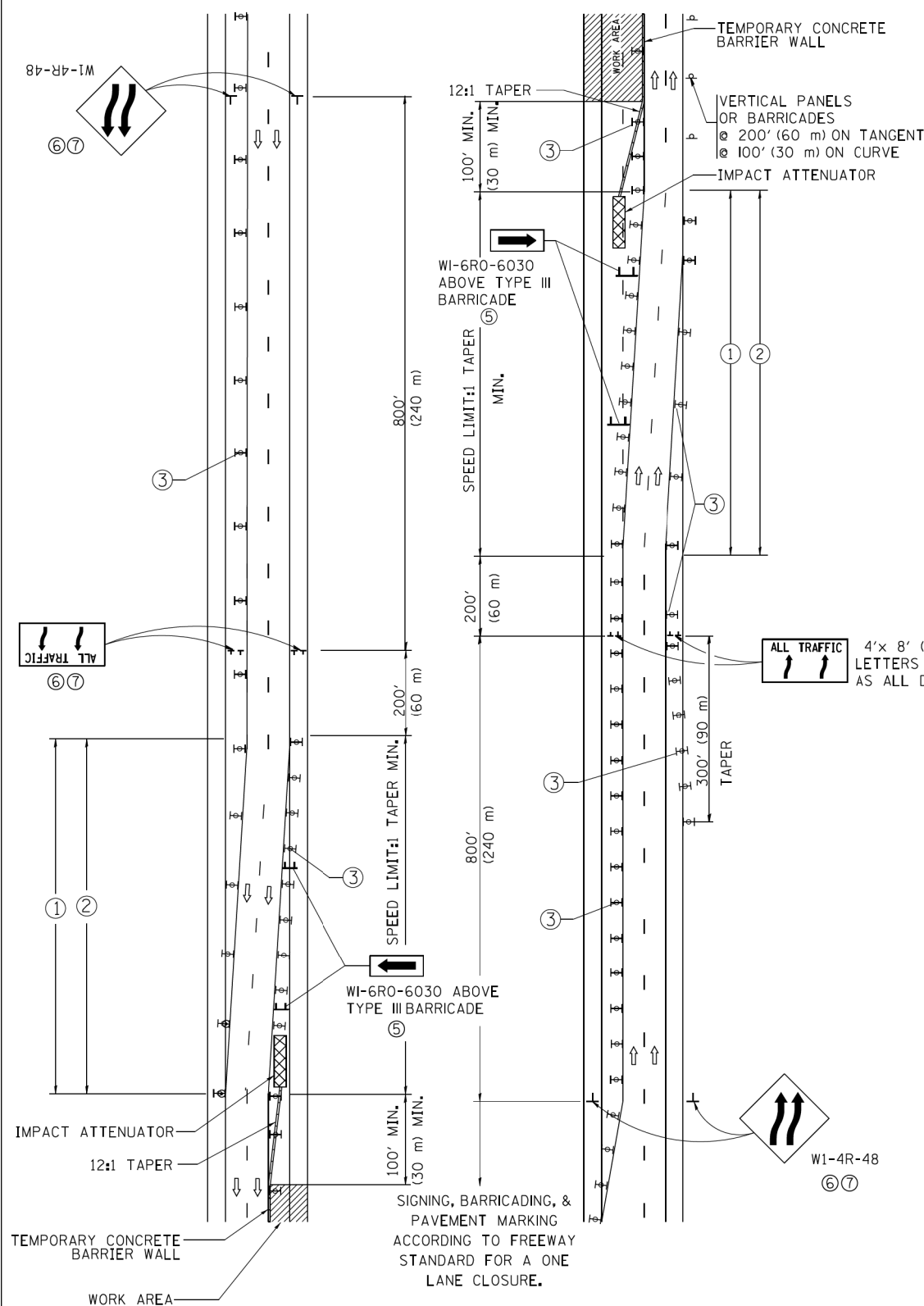
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-11B)	DUPAGE	402	245A
TC-08		CONTRACT NO. 62C24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

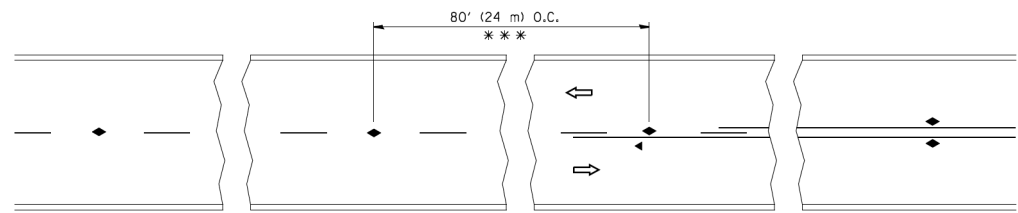
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- DIRECTION OF TRAFFIC
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- IMPACT ATTENUATOR
- W1-4R-48
- W24-1-48

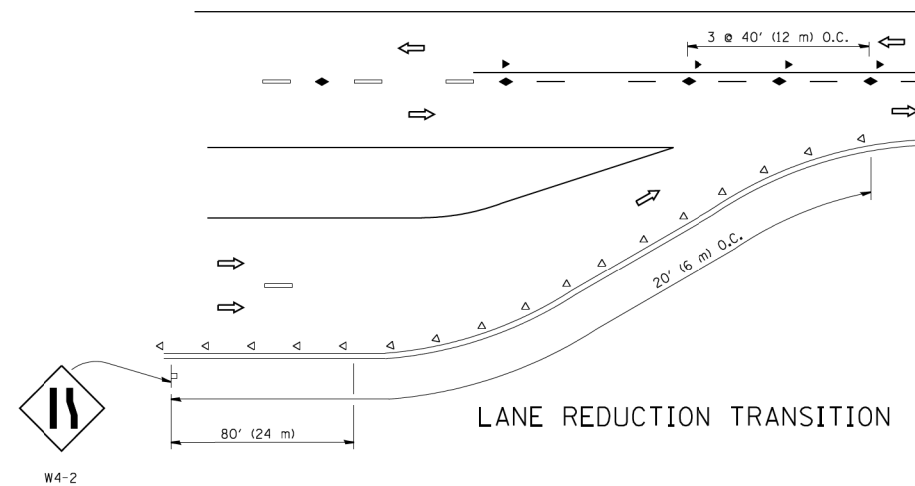
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = footemj	DESIGNED - DWS	REVISED - JAF 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -			REVISED - SPB 01-07		290	(22-1B-1)B	DUPAGE	402	246			
PLOT SCALE = 50.000' / in.	CHECKED -		REVISED - SPB 12-09		TC-09			CONTRACT NO. 62C24				
PLOT DATE = 7/1/2013	DATE - 02-87		REVISED - MD 06-13		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

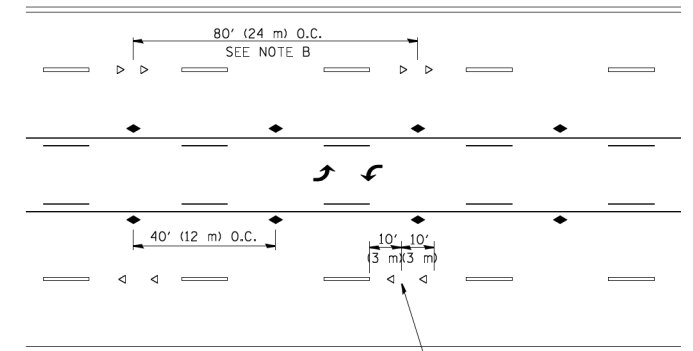


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

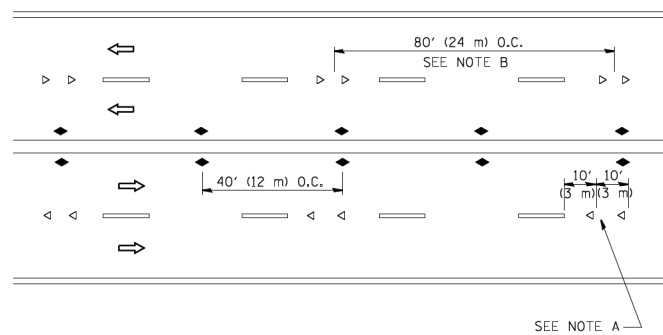
TWO-LANE/TWO-WAY



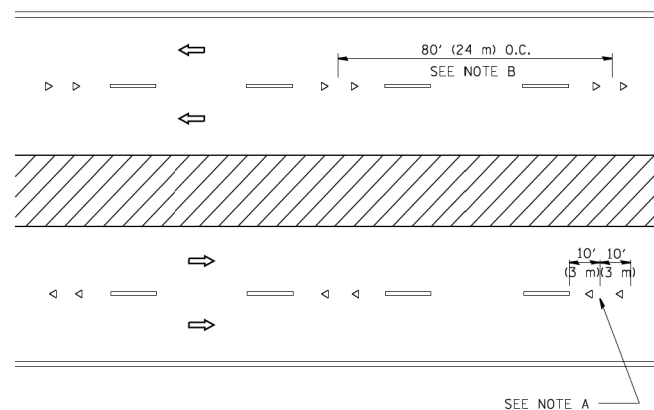
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

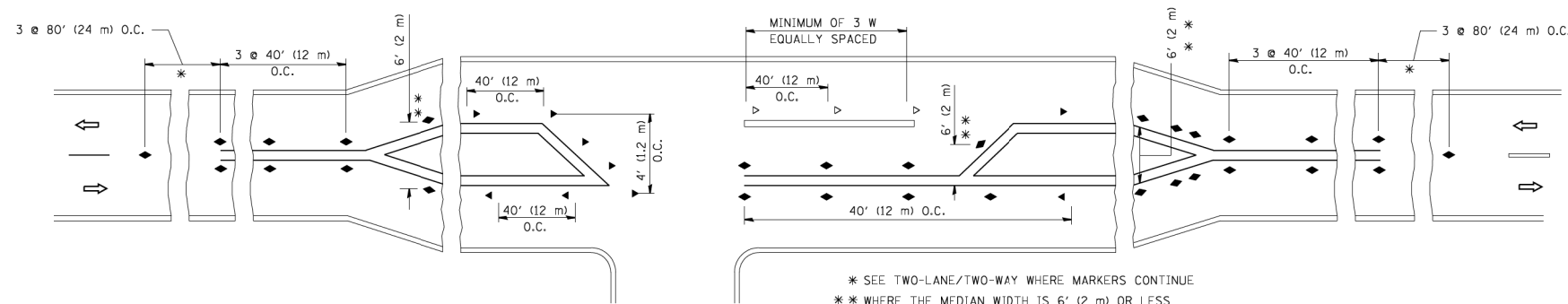
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

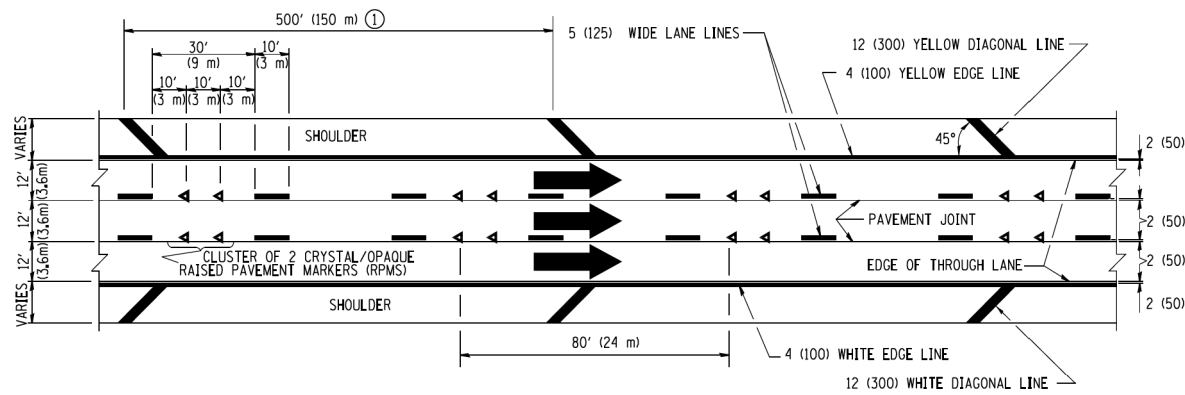
FILE NAME =	USER NAME = lryso	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
ci:\pwwork\k\p\dot\lryso\d0100315\tc11.dgn		DRAWN	REVISED T. RAMMACHER 03-12-99
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

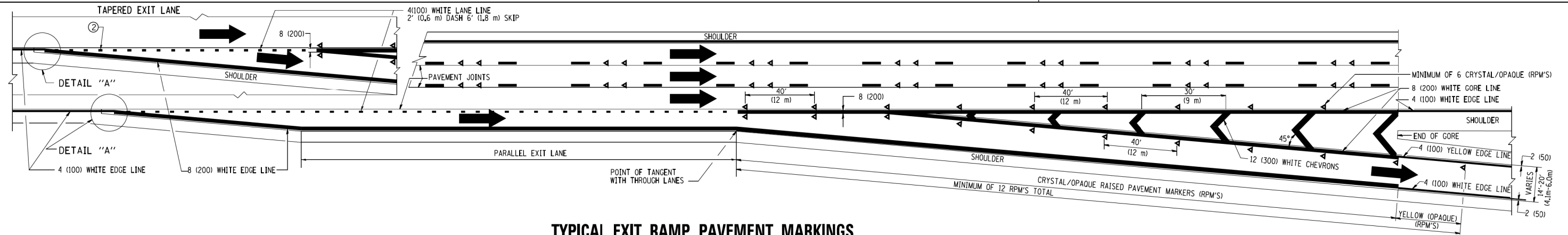
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	(22-1B-11B)	DUPAGE	402	247
TC-11		CONTRACT NO. 62C24		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



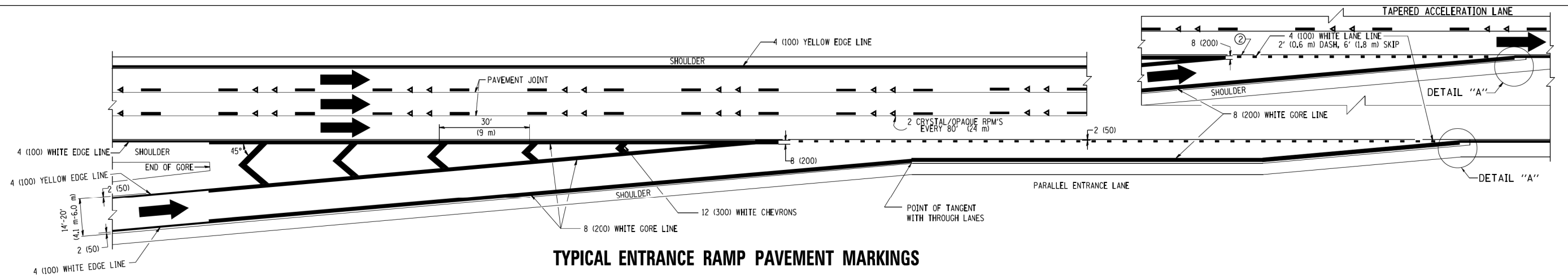
TYPICAL EDGE LINES & LANE LINES

PAVEMENT MARKING MATERIALS

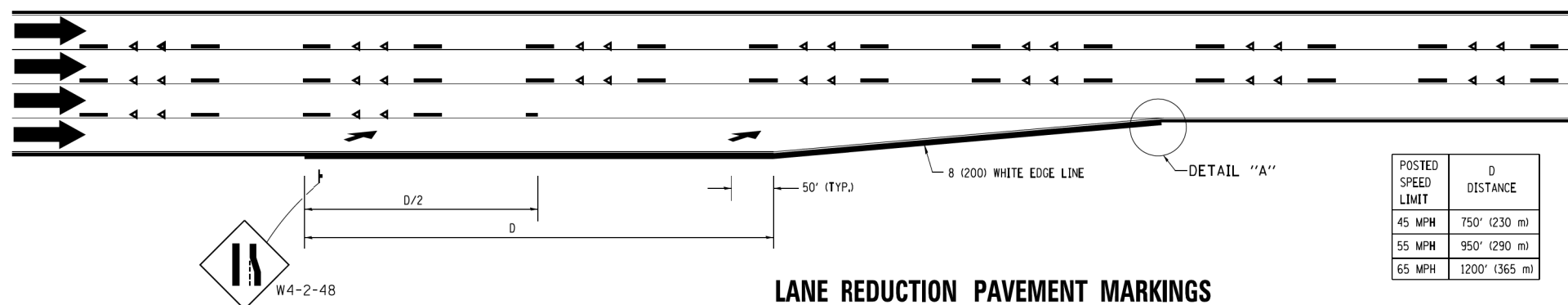
1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE; INLAID OR GROOVED IN SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENT PROJECTS.
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC PROJECTS.



TYPICAL EXIT RAMP PAVEMENT MARKINGS

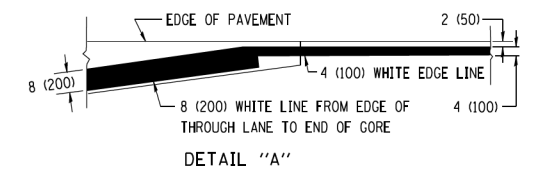


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

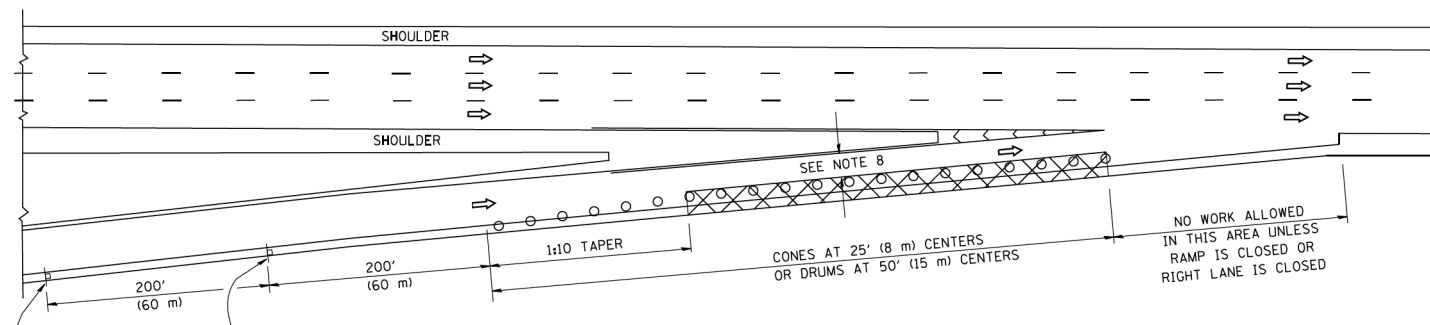


NOTES:

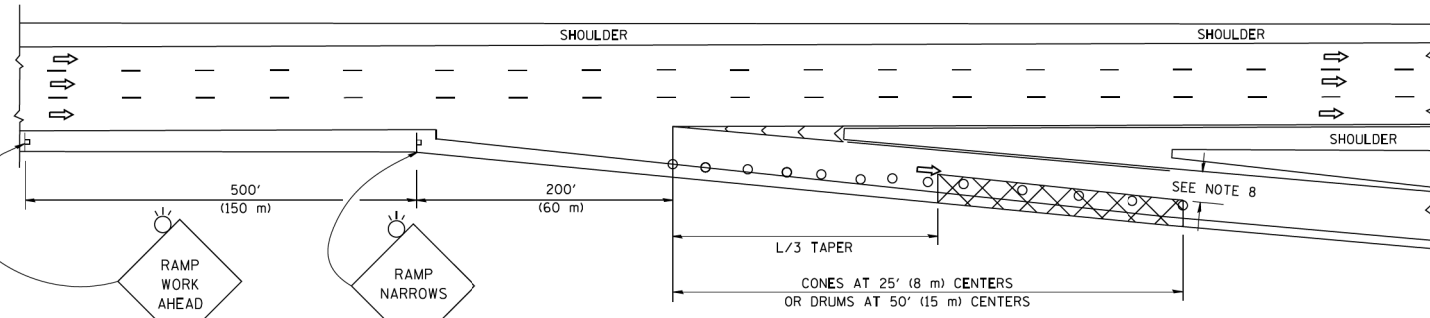
- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

PARTIAL RAMP CLOSURE DETAILS

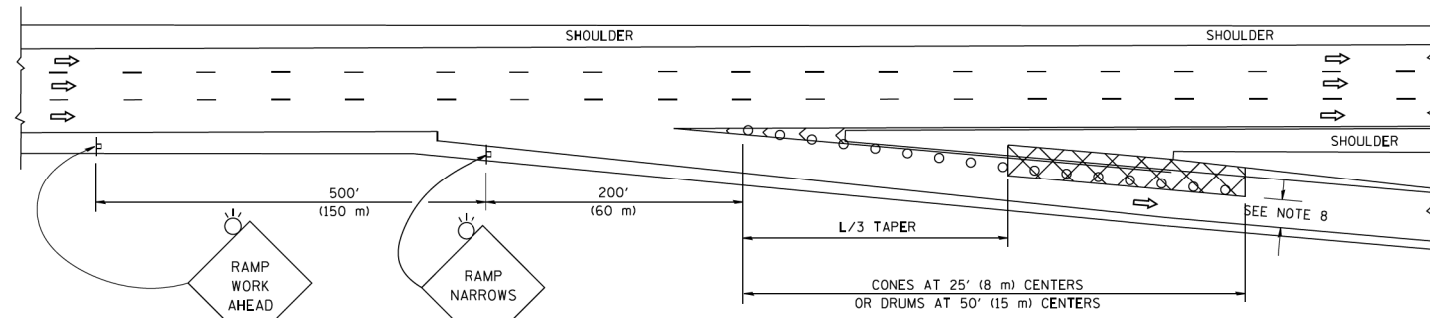
SHOULDER CLOSURE DETAILS



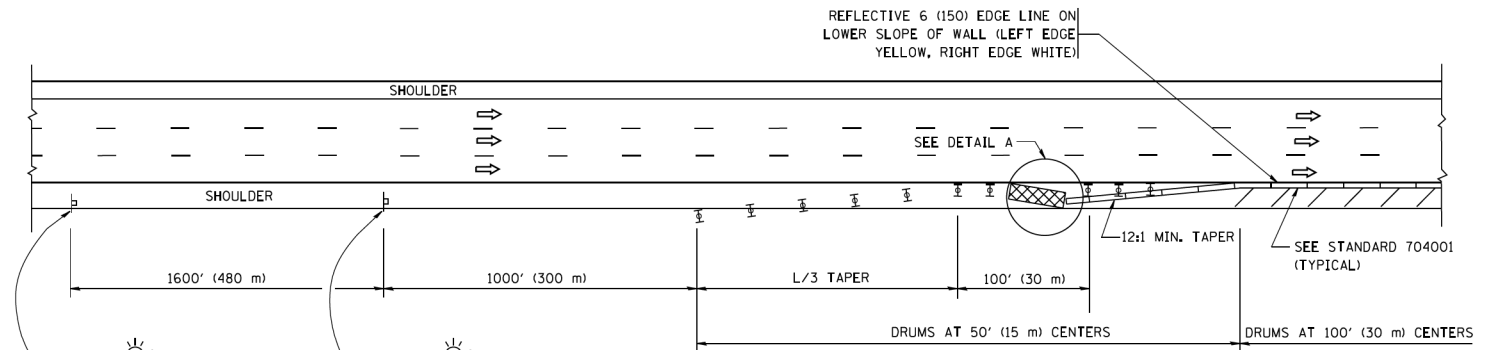
TYPICAL ENTRANCE RAMP



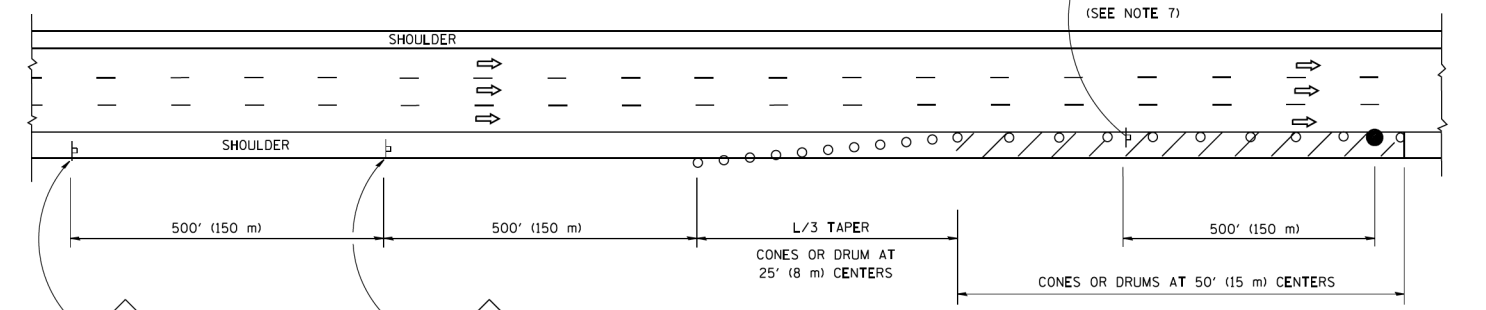
TYPICAL EXIT RAMP



TYPICAL EXIT RAMP



PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

SYMBOLS

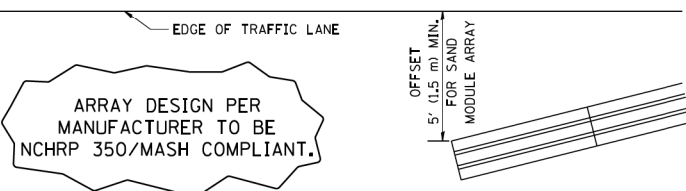
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER	METRIC: $L=0.65(W)(S)$ ENGLISH: $L=(W)(S)$
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12" MIN. WIDTH TANGENT SECTION
16" MIN. WIDTH CURVE SECTION.



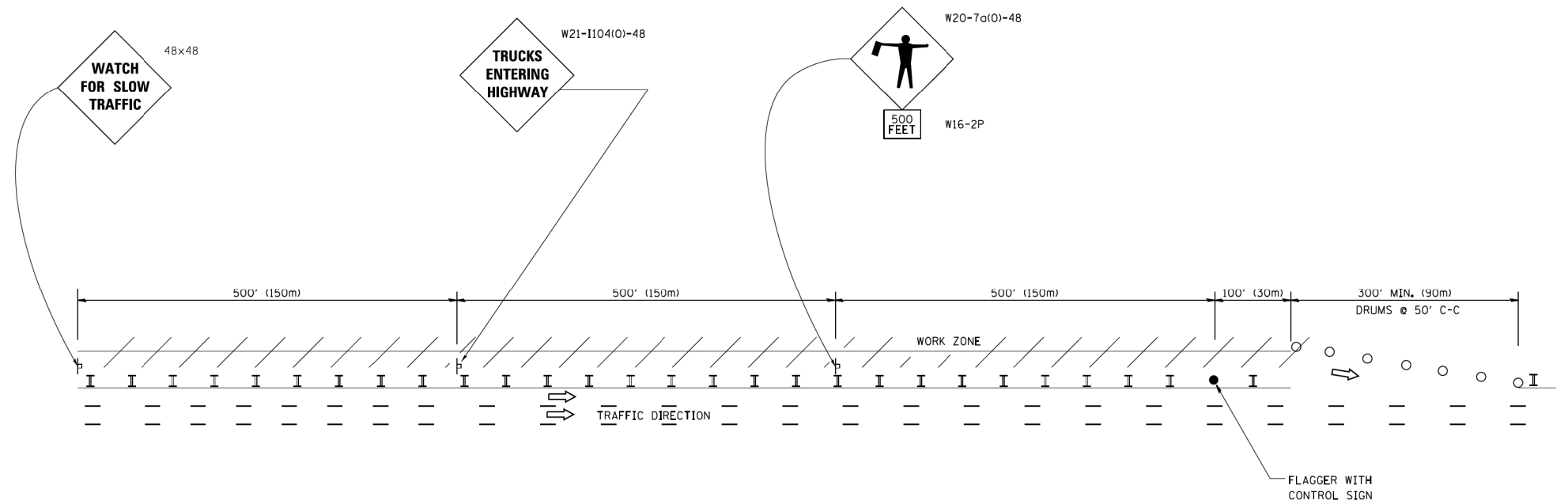
DETAIL "A"
 IMPACT ATTENUATOR, TEMPORARY
 (SEE NOTE 5)

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

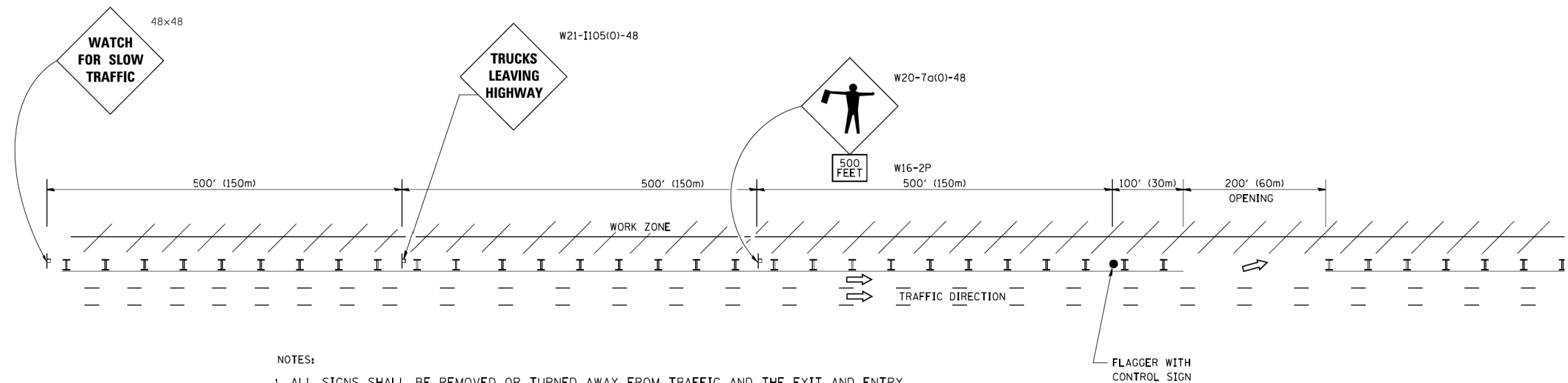
FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 12-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\k\pms\dott\footemj\d0180315\c17.dgn	DRAWN - D.W.S.	REVISED - S.P.B. 01-07	290			(22-1B-11B)	DUPAGE	402	249	
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - S.P.B. 12-09	TC-17			CONTRACT NO. 62C24				
PLOT DATE = 7/1/2013	DATE - 11-96	REVISED - M.D. 06-13	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING

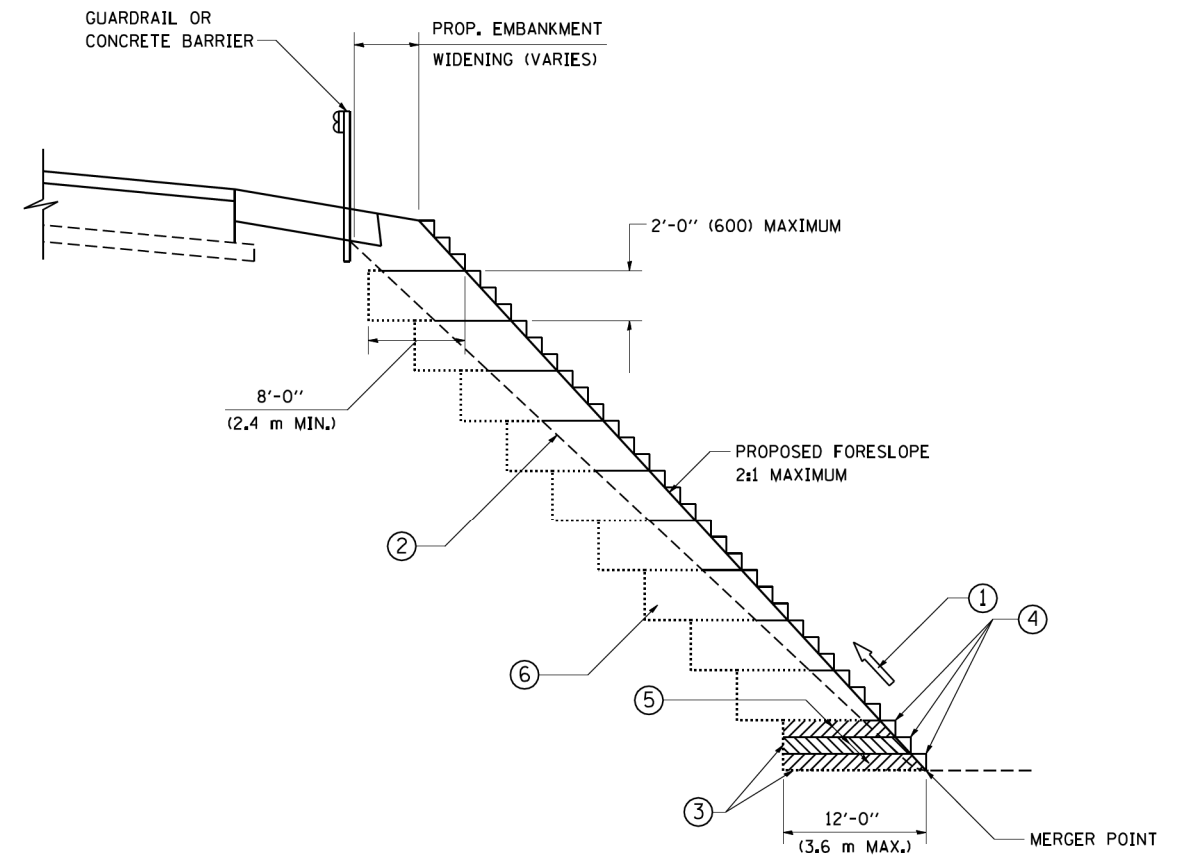


NOTES:

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMPS.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = footemj	DESIGNED -	REVISED - J.A.F. 02-06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\p151015\footemj\0100315\1010.dgn		DRAWN -	REVISED - S.P.B. 01-07			290	(22-1B-11B)	DUPAGE	402	250
PLOT SCALE = 50.000' / 1" =		CHECKED -	REVISED - S.P.B. 12-09			TC-18		CONTRACT NO. 62C24		
PLOT DATE = 7/8/2013		DATE -	REVISED - M.D. 06-13			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

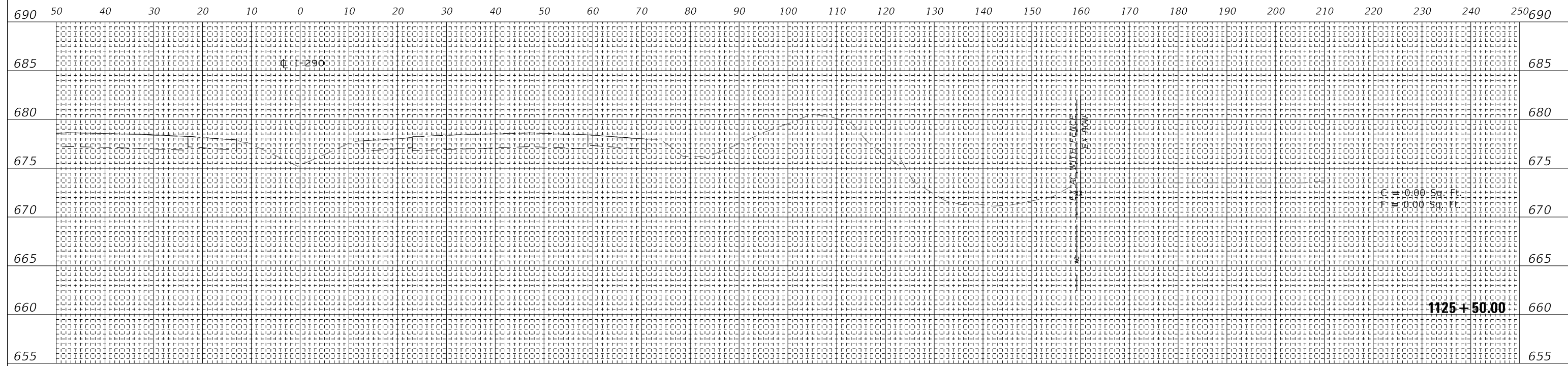
- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

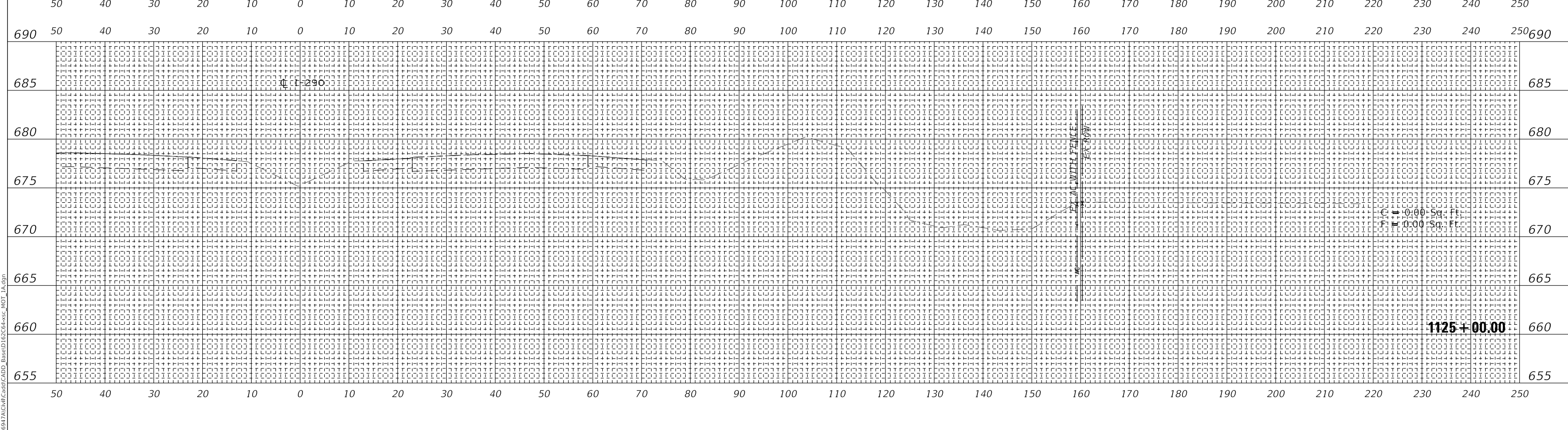
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	PLOT SCALE = 50.0000' / IN.	DRAWN - CADD	REVISED -		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	290	(22-1B-1)B	DUPAGE	402	251
	PLOT DATE = 1/4/2008	CHECKED - S.E.B.	REVISED -		STA.	TO STA.		BD-51		CONTRACT NO. 62C24			
		DATE - 06-16-04	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

DATE	BY



DATE	BY



MODEL: S:\MODEL\MAMES
FILE NAME: T:\18947AC\MI\CADD_Base\1125+00+50_MOT_1A.dgn

WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8190
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

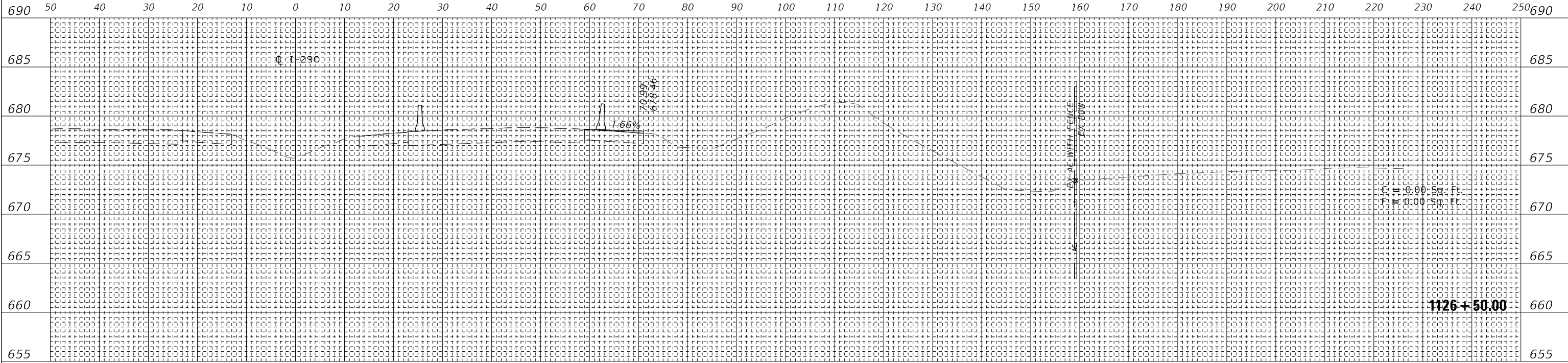
STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 1 OF 151 SHEETS STA. 1125+00.00 TO STA. 1125+50.00

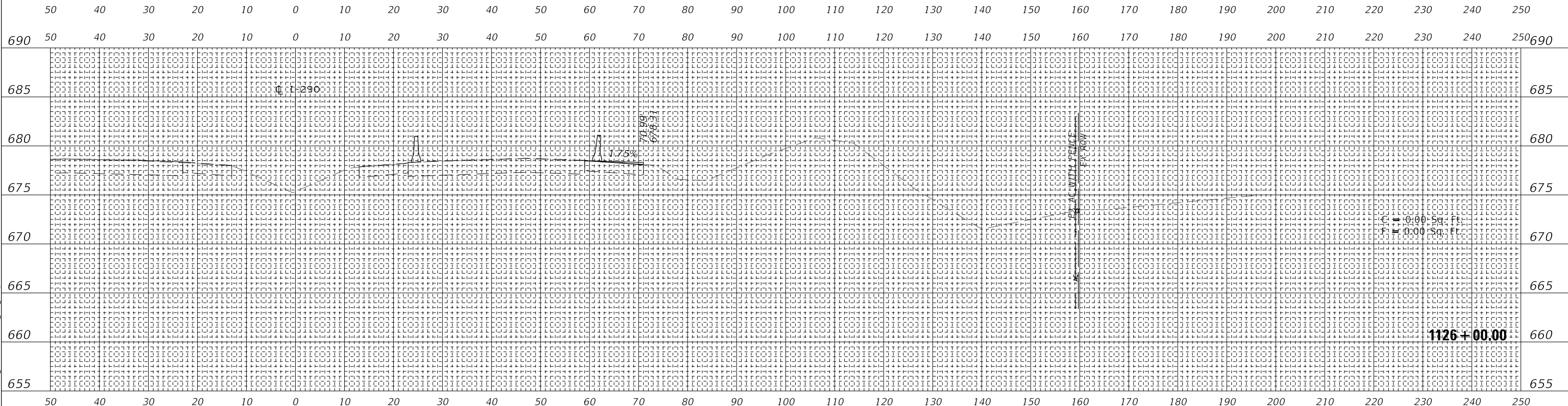
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-11B)	DUPAGE	402	252
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

EXISTING GROUND REPRESENTS IMPROVEMENTS UP TO STAGE 1A

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



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



WSP
 WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

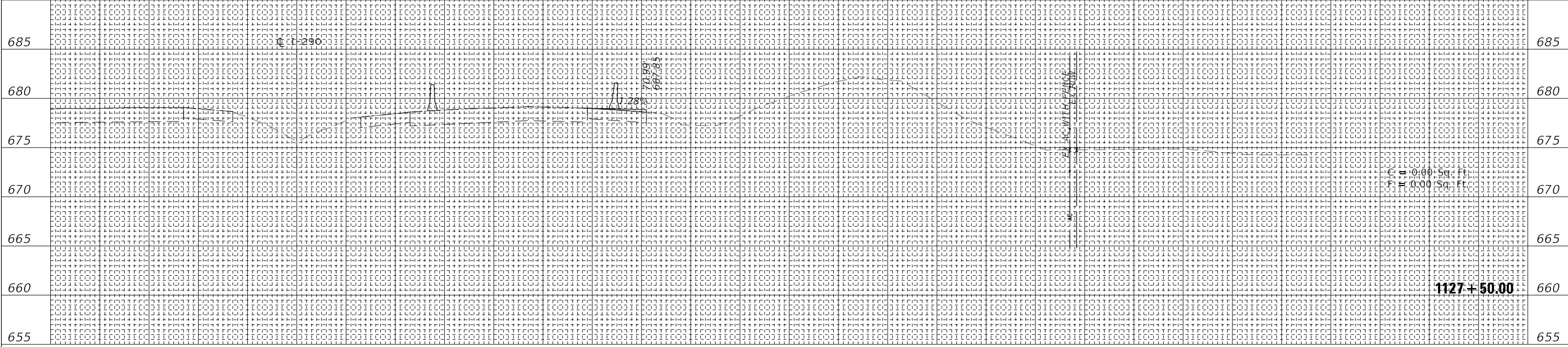
STAGE 1A CROSS SECTIONS	
SCALE: 1"=10'	SHEET 2 OF 151 SHEETS
STA. 1126+00.00 TO STA. 1126+50.00	

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 253
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

BY	DATE
BY	DATE
BY	DATE
BY	DATE
BY	DATE

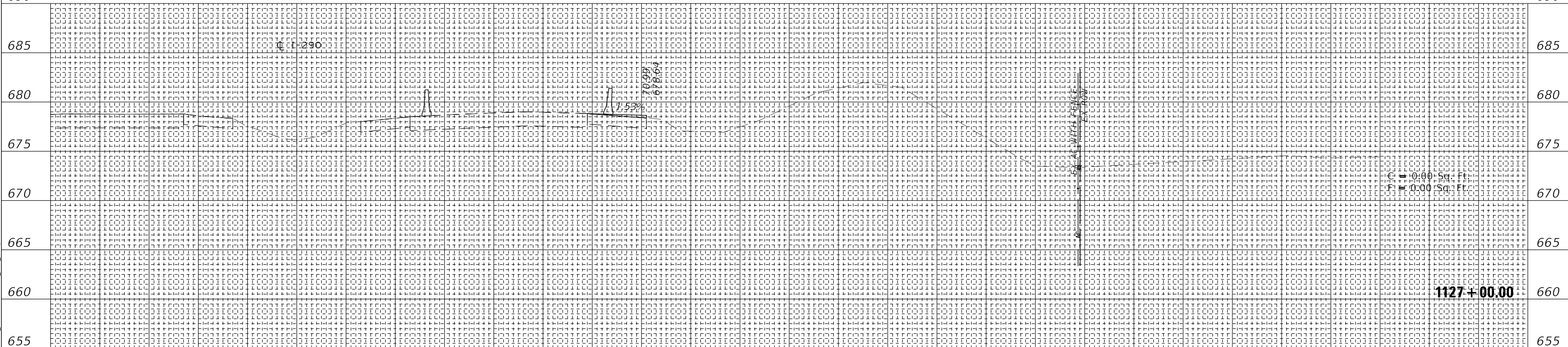
690 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 690



C = 0.00 Sq. Ft.
F = 0.00 Sq. Ft.

50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250

690 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 690



C = 0.00 Sq. Ft.
F = 0.00 Sq. Ft.

BY	DATE
BY	DATE
BY	DATE
BY	DATE
BY	DATE

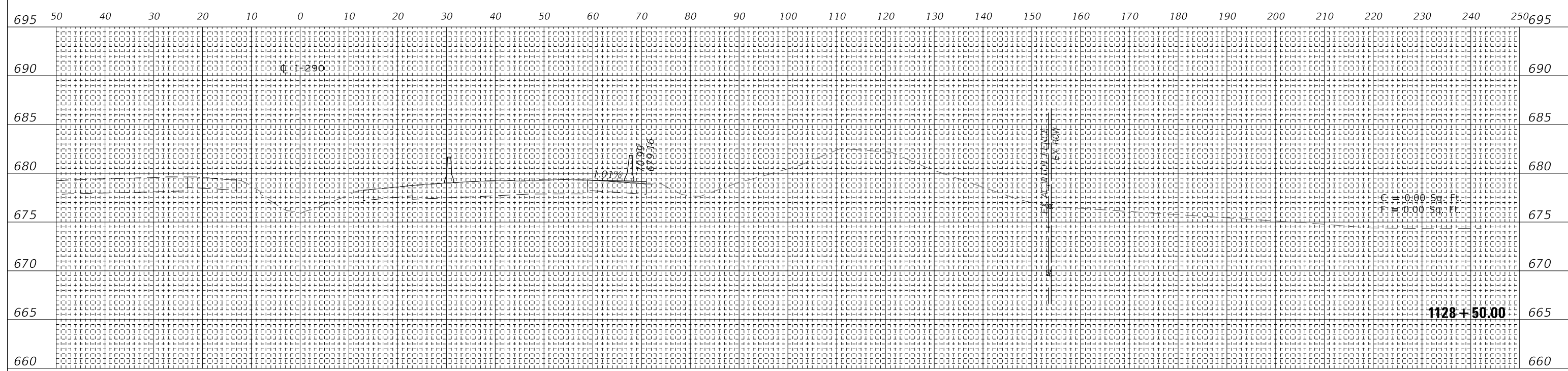
50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250

690 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 690

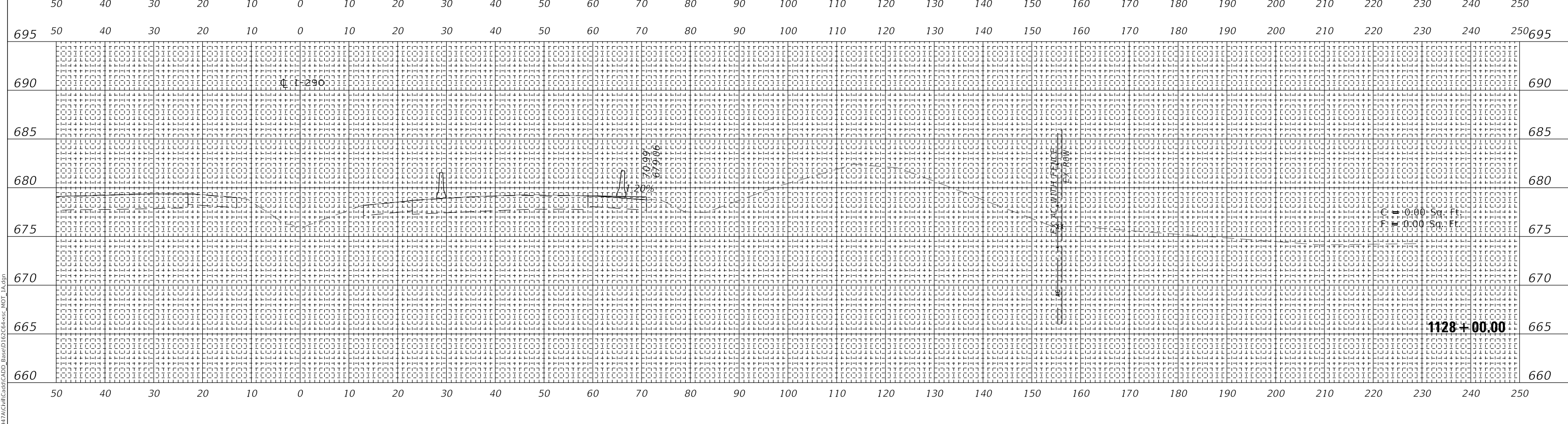
<p>WSP USA Inc. 30 N. LASALLE STREET SUITE 4000 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684</p>	USER NAME = ahmedmm	DESIGNED - MMA	REVISED -	<p>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p>STAGE 1A CROSS SECTIONS</p> <p>SCALE: 1"=10'</p> <p>SHEET 3 OF 151 SHEETS</p> <p>STA. 1127+00.00 TO STA. 1127+50.00</p>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -		FAI 290	(22-1B-1B)	DUPAGE	402	254	
	PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -		CONTRACT NO. 62C24			ILLINOIS	FED. AID PROJECT	
		DATE - 01/25/2018	REVISED -							

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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



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



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

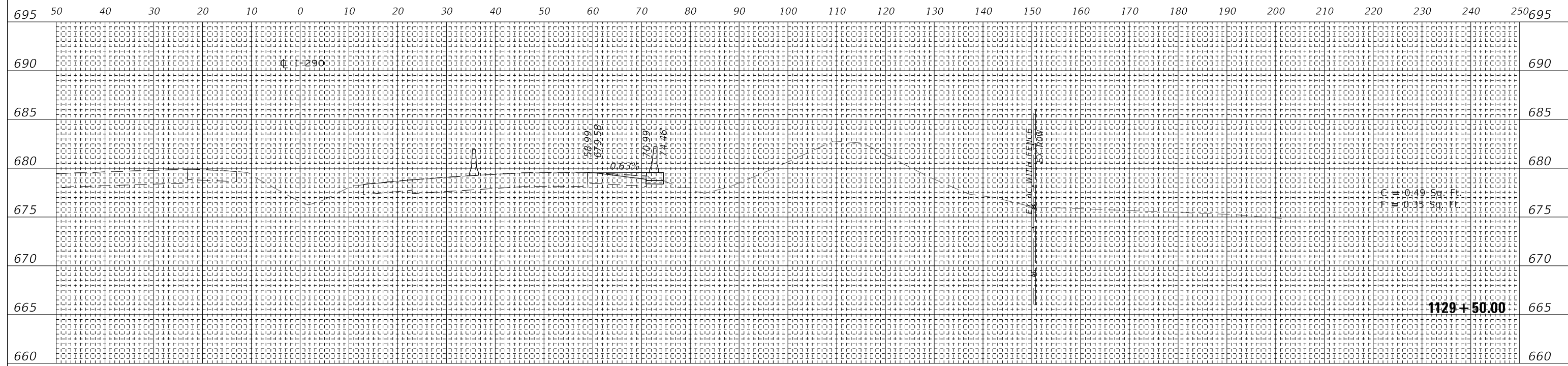
STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 4 OF 151 SHEETS STA. 1128+00.00 TO STA. 1128+50.00

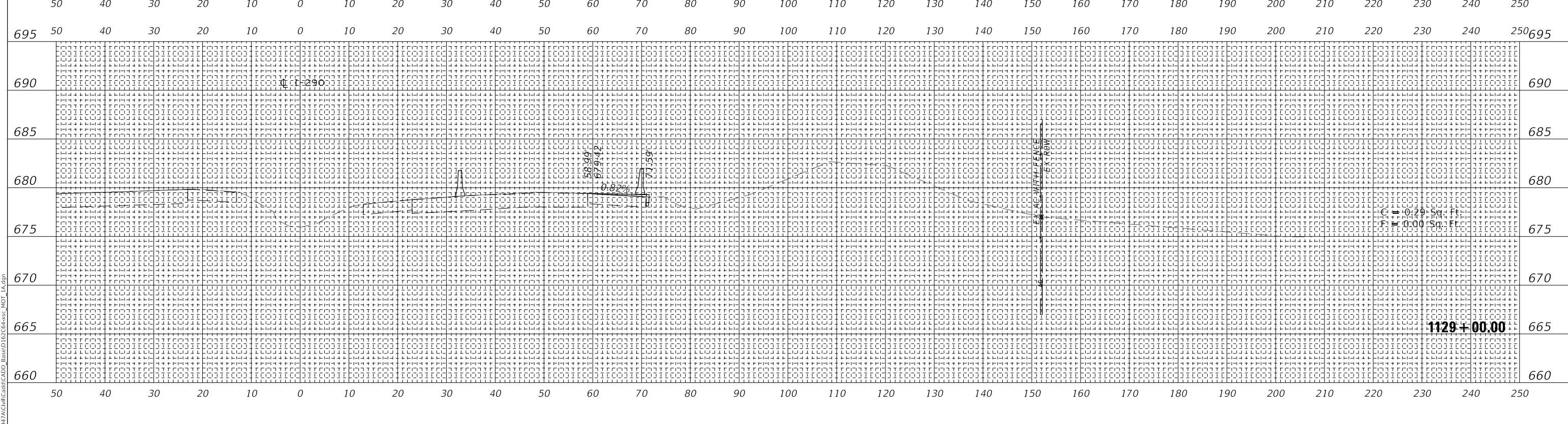
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-1B)	DUPAGE	402	255
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

EXISTING GROUND REPRESENTS IMPROVEMENTS UP TO STAGE 1A

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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wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

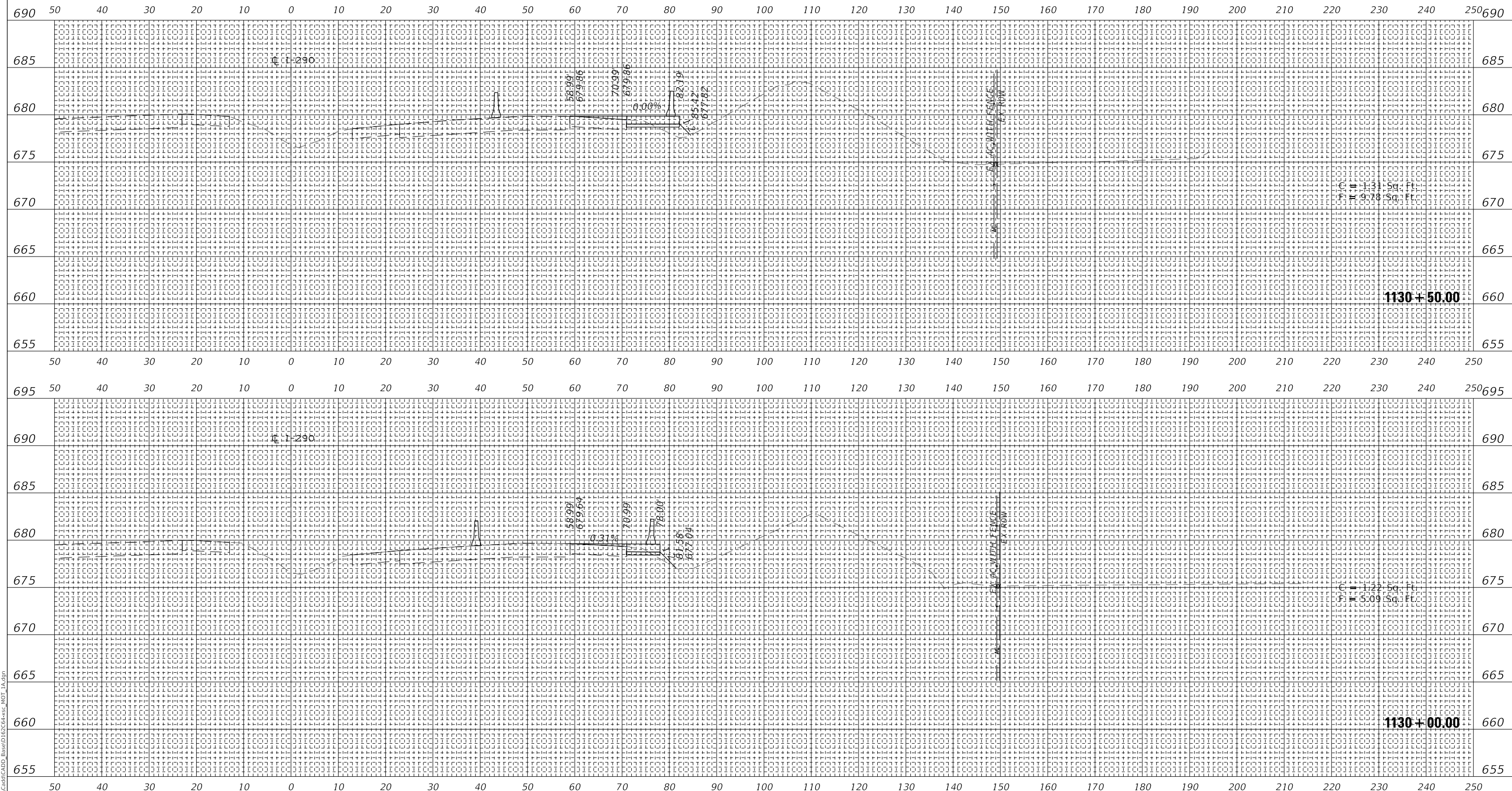
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 5 OF 151 SHEETS STA. 1129+00.00 TO STA. 1129+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAT 290	(22-1B-1B)	DUPAGE	402	256
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**



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

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

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

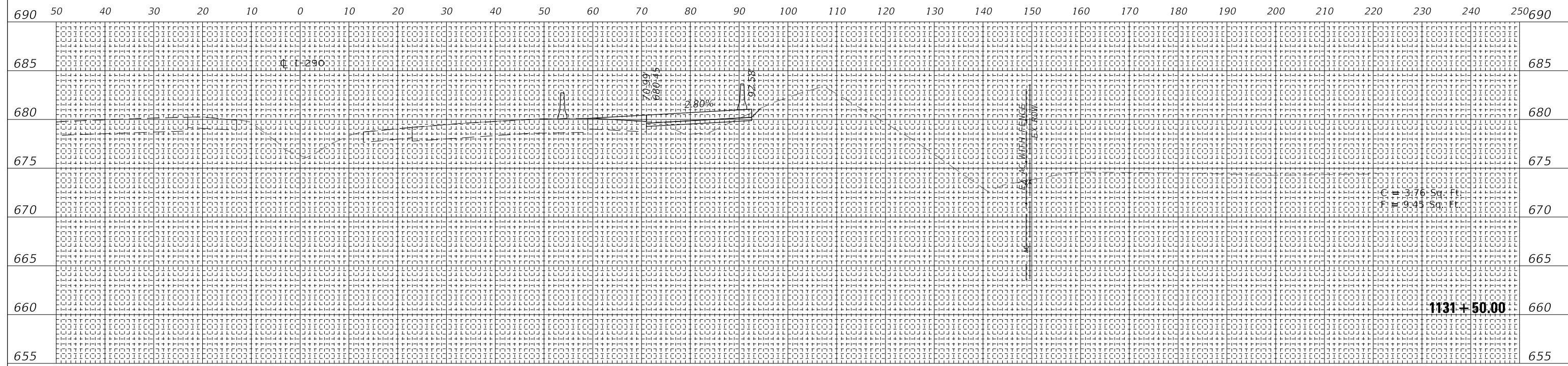
SCALE: 1"=10' SHEET 6 OF 151 SHEETS STA. 1130+00.00 TO STA. 1130+50.00

STAGE 1A CROSS SECTIONS

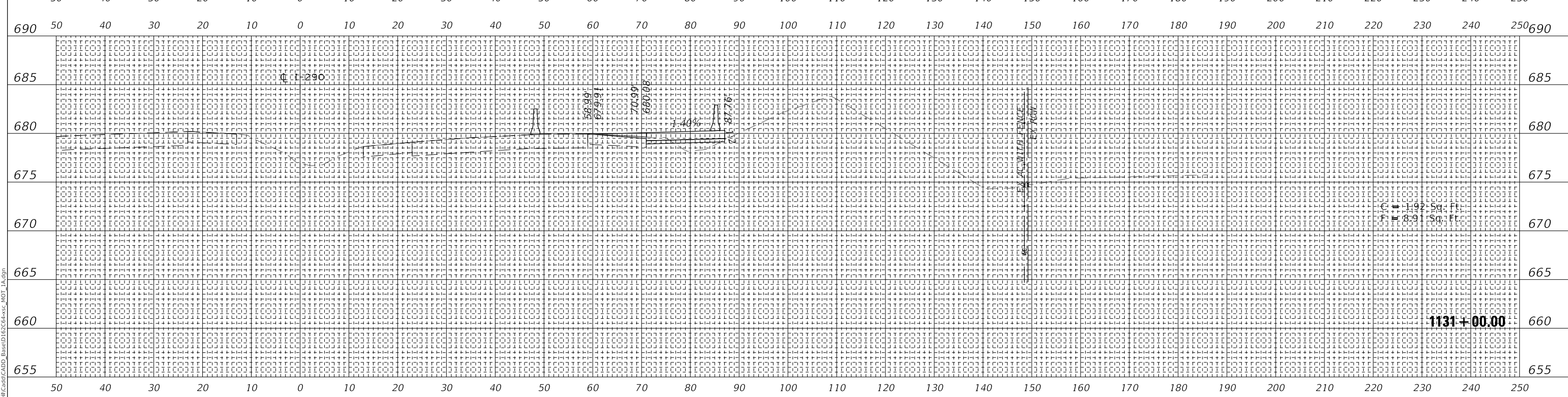
F.A. RTE. FAT 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 257
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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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FILE NAME: T:\16947ACIM\Gis\CADD_Base\1167C04+55C_MOT_1A.dgn

WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1894

USER NAME	= ahmedmm	DESIGNED - MMA	REVISED -
		DRAWN - MMA	REVISED -
PLOT SCALE	= 1"=10'	CHECKED - RPH	REVISED -
PLOT DATE	= 01/25/2018	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

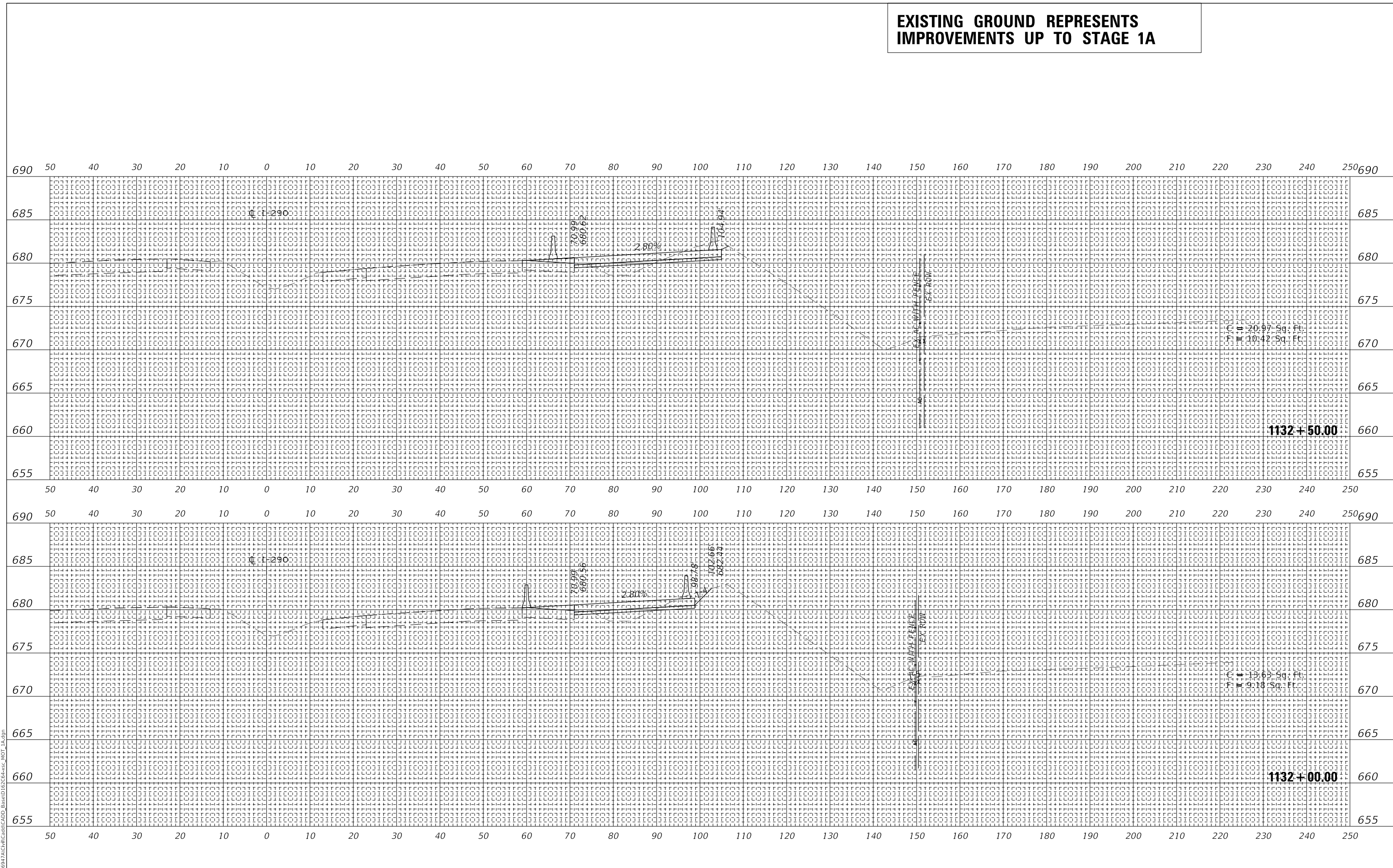
SCALE: 1"=10' SHEET 7 OF 151 SHEETS STA. 1131+00.00 TO STA. 1131+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-1)B	DUPAGE	402	258
CONTRACT NO. 62C24				
ILLINOIS		FED. AID PROJECT		

EXISTING GROUND REPRESENTS IMPROVEMENTS UP TO STAGE 1A

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

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



MODEL: SHODELNAME5
FILE NAME: T:\1597AC\MI\CADD_Base\1132C4+5C_MOT_1A.dgn

wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

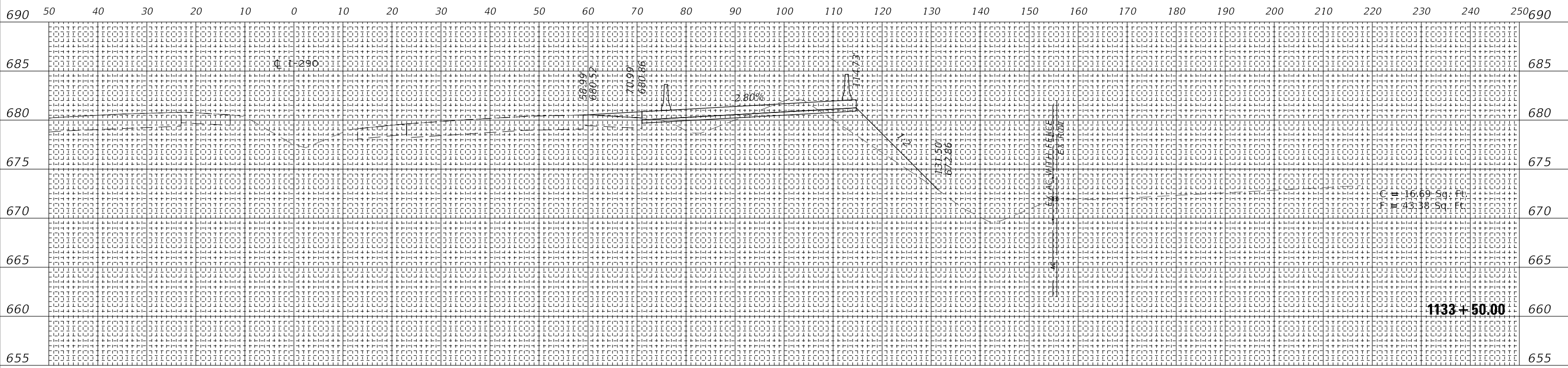
STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 8 OF 151 SHEETS STA. 1132+00.00 TO STA. 1132+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 259
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

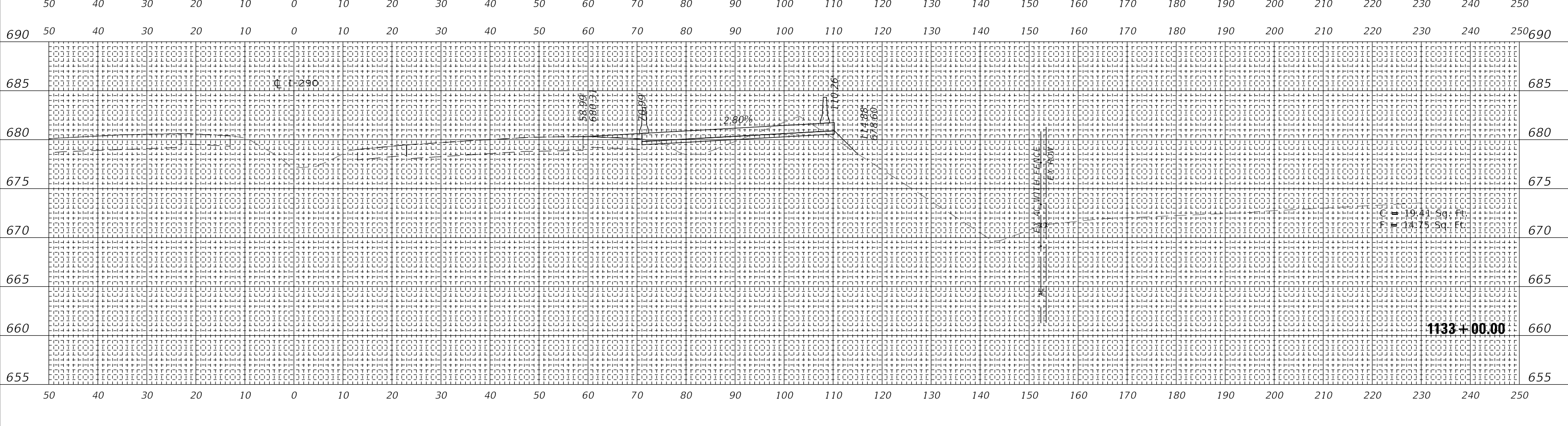
EXISTING GROUND REPRESENTS IMPROVEMENTS UP TO STAGE 1A

DATE	BY
SURVEYED _____ PLOTTED _____	
NOTE BOOK _____ TEMPLATE _____	
AREAS CHECKED _____	
NO.	DATE



C = 16.69 Sq. Ft.
F = 43.38 Sq. Ft.

DATE	BY
SURVEYED _____ PLOTTED _____	
NOTE BOOK _____ TEMPLATE _____	
AREAS CHECKED _____	
NO.	DATE



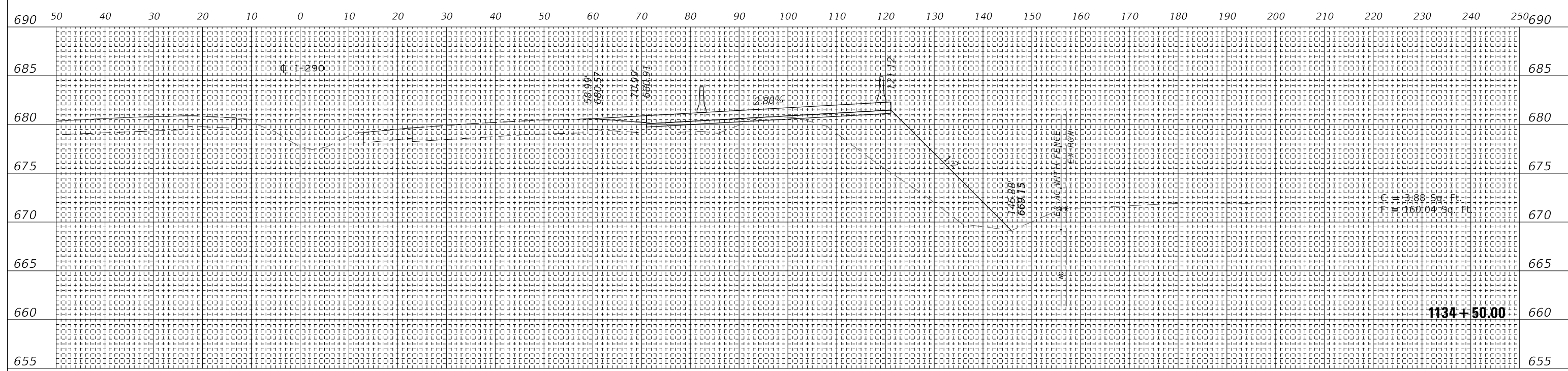
C = 19.41 Sq. Ft.
F = 43.75 Sq. Ft.

WSP USA Inc. 30 N. LASALLE STREET SUITE 400 CHICAGO, IL 60602 TEL: (312) 782-8150 FAX: (312) 782-1684	USER NAME = ahmedmm DESIGNED - MMA DRAWN - MMA CHECKED - RPH DATE - 01/25/2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE 1A CROSS SECTIONS SCALE: 1"=10' SHEET 9 OF 151 SHEETS STA. 1133+00.00 TO STA. 1133+50.00	F.A. RTE. 290 SECTION (22-1B-1B) COUNTY DUPAGE TOTAL SHEETS 402 SHEET NO. 260 CONTRACT NO. 62C24 ILLINOIS FED. AID PROJECT
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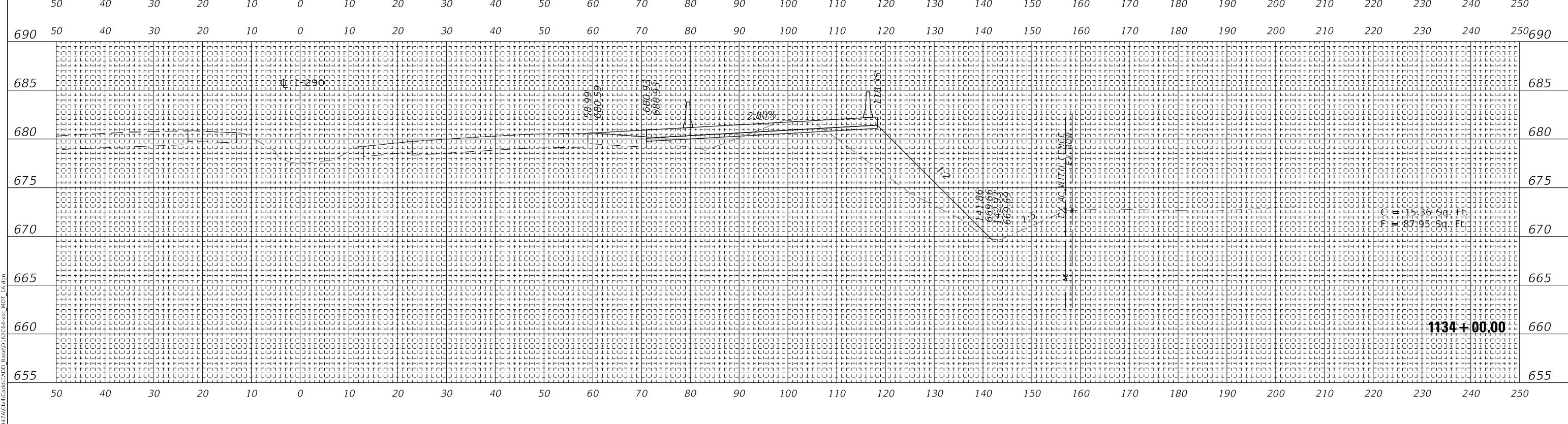
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**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		FINAL	NO. _____	NO. _____	NO. _____



DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		ORIGINAL	NO. _____	NO. _____	NO. _____



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

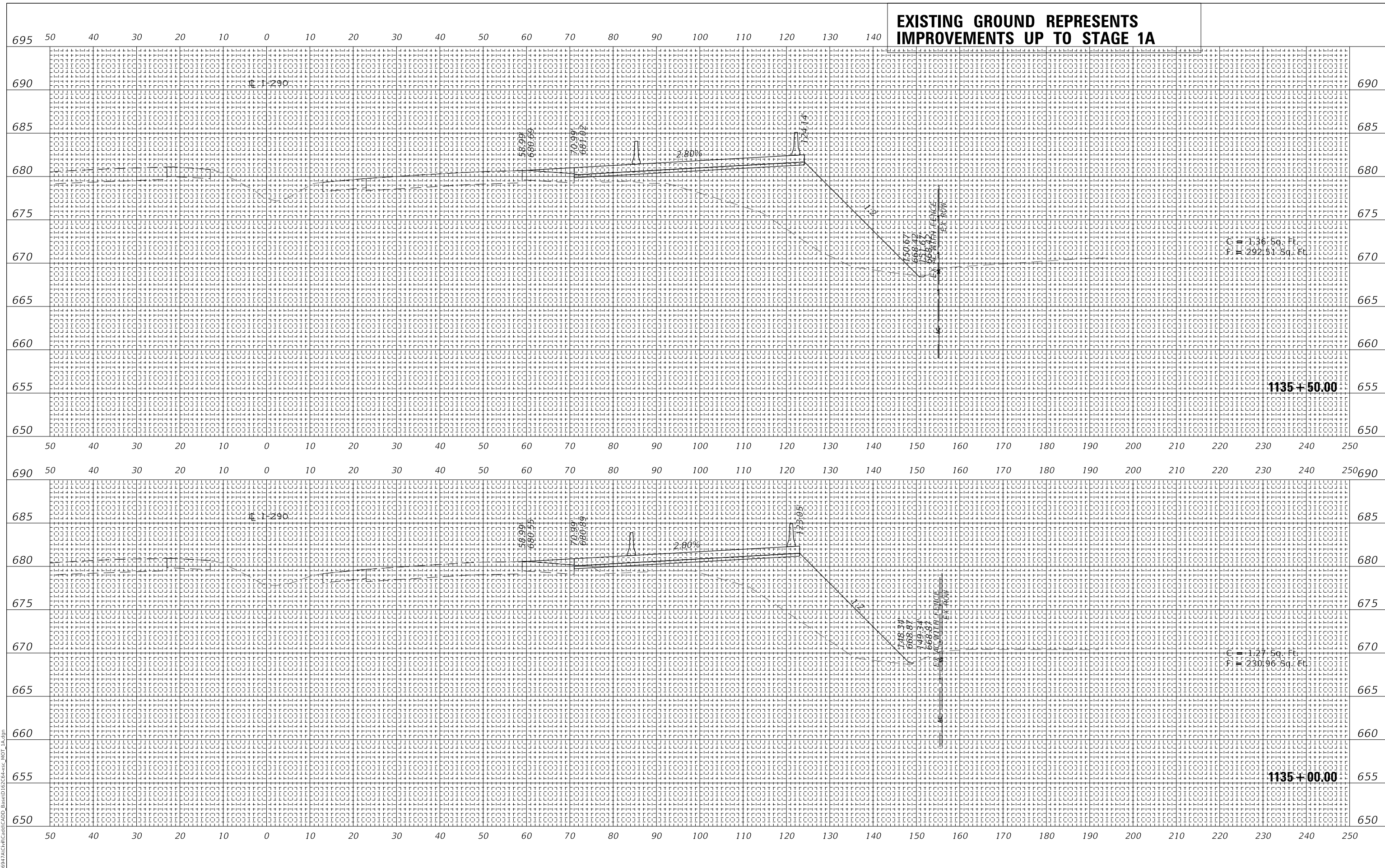
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 10 OF 151 SHEETS STA. 1134+00.00 TO STA. 1134+50.00

F.A. RTE. FAI 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 261
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

EXISTING GROUND REPRESENTS IMPROVEMENTS UP TO STAGE 1A



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

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

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

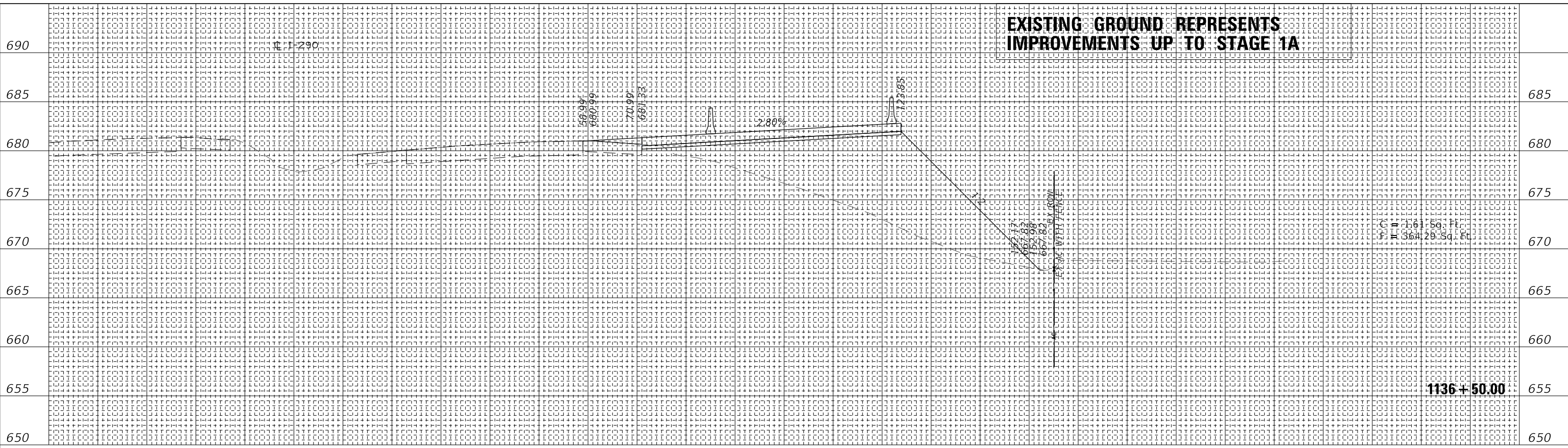
SCALE: 1"=10' SHEET 11 OF 151 SHEETS STA. 1135+00.00 TO STA. 1135+50.00

F.A. RTE. FAT 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 262
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

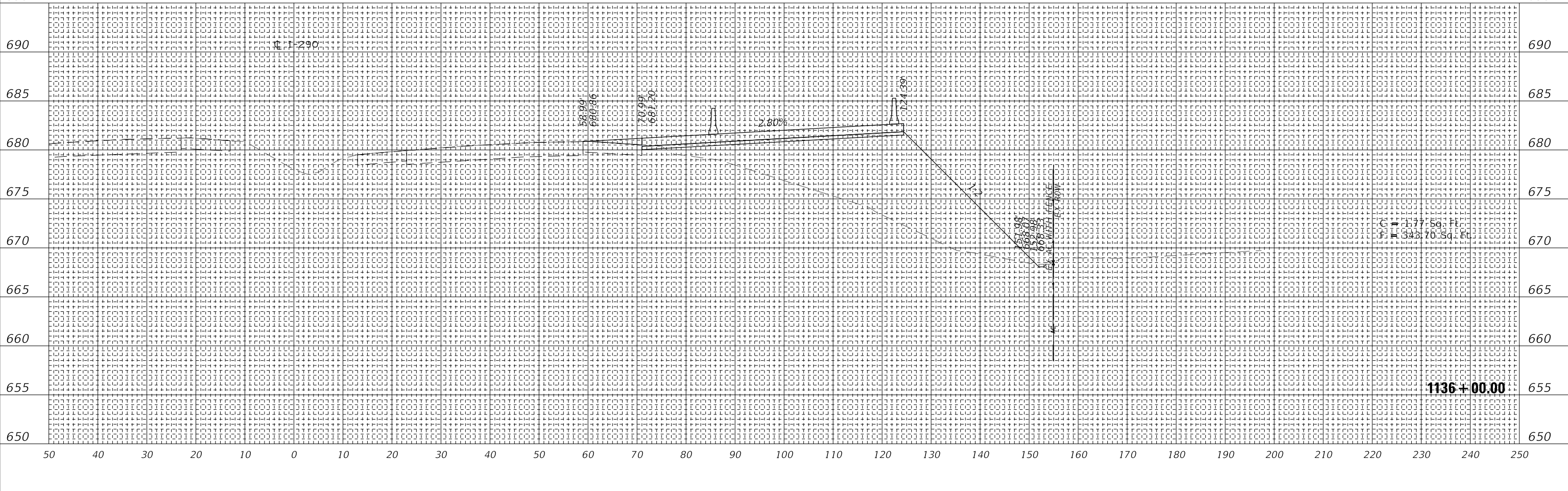
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NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

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

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690	685	680	675	670	665	660	655	650	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250
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WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 400
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1684

USER NAME	= ahmedmm
DESIGNED	- MMA
REVISD	-
DRAWN	- MMA
REVISD	-
PLOT SCALE	= 1"=10'
CHECKED	- RPH
REVISD	-
PLOT DATE	= 01/25/2018
DATE	- 01/25/2018
REVISD	-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGE 1A CROSS SECTIONS

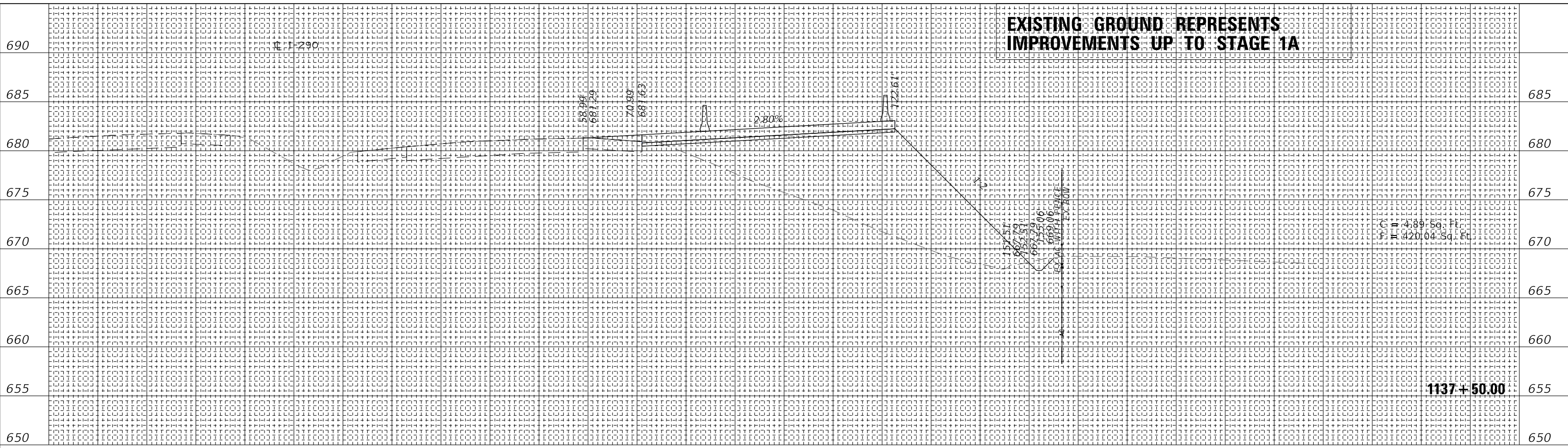
SCALE: 1"=10' SHEET 12 OF 151 SHEETS STA. 1136+00.00 TO STA. 1136+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAT 290	(22-1B-11B)	DUPAGE	402	263
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

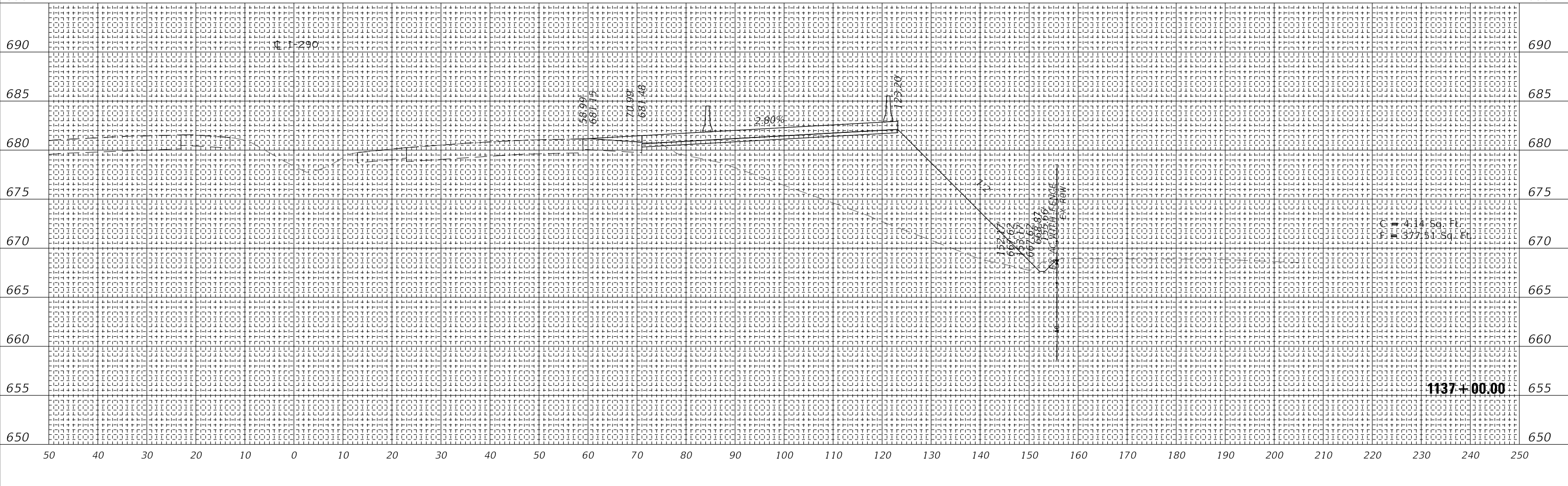
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

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

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685	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	685



690	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	690
685	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	685

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

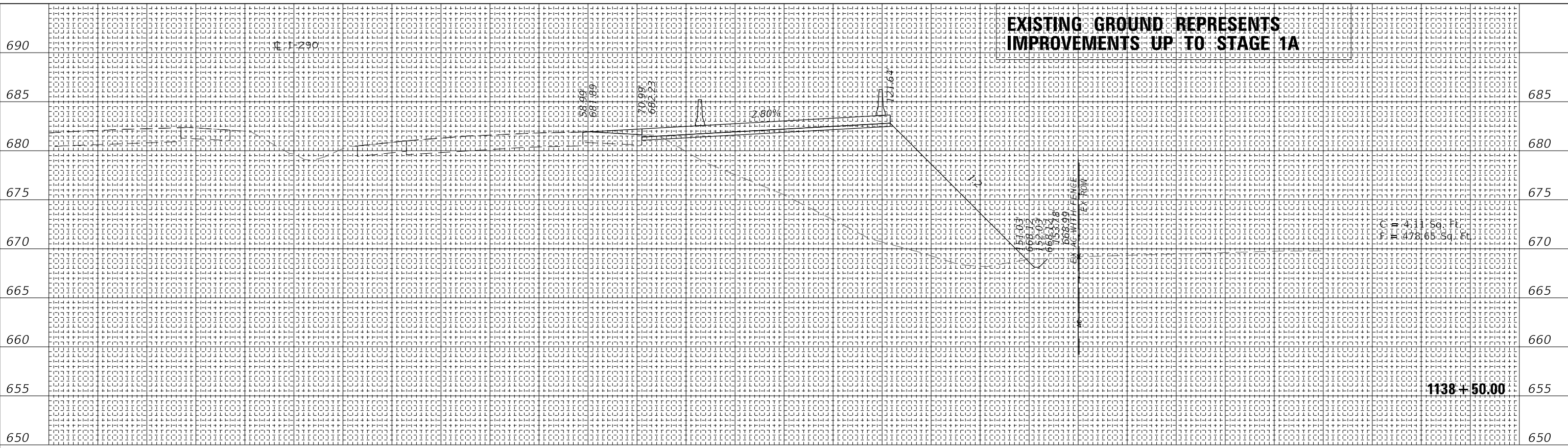
SCALE: 1"=10' SHEET 13 OF 151 SHEETS STA. 1137+00.00 TO STA. 1137+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 264
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

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

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

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50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250
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wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

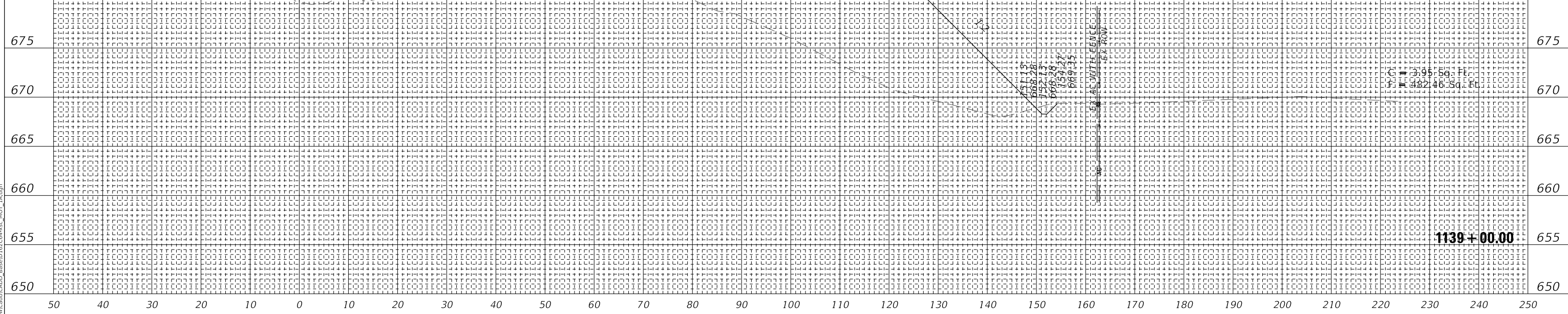
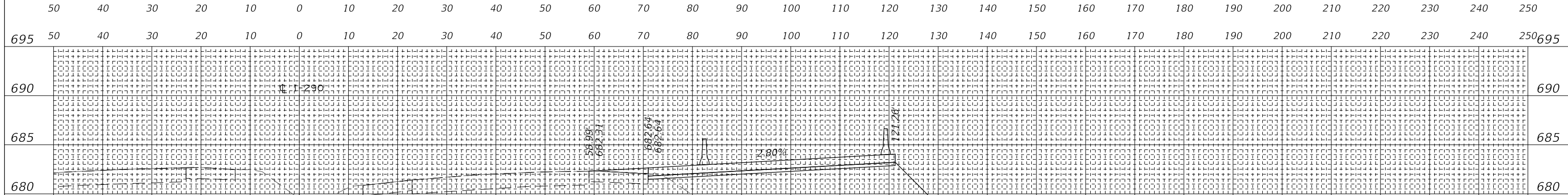
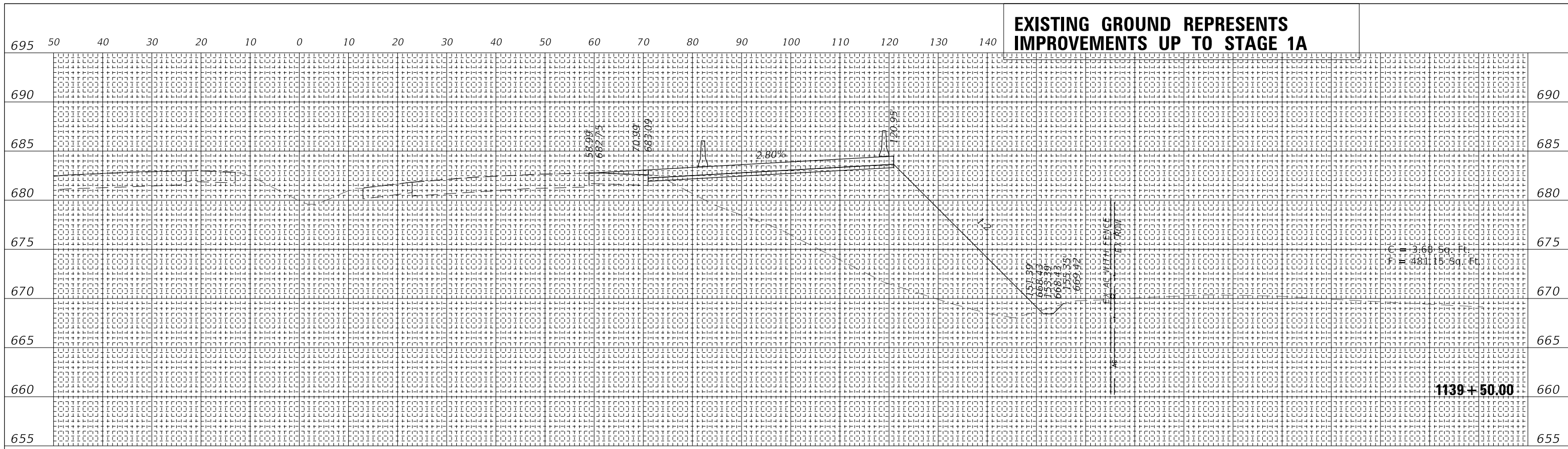
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 14 OF 151 SHEETS STA. 1138+00.00 TO STA. 1138+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 265
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

EXISTING GROUND REPRESENTS IMPROVEMENTS UP TO STAGE 1A



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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wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME	= ahmedmm	DESIGNED -	MMA	REVISED -	
PLOT SCALE	= 1"=10'	DRAWN -	MMA	REVISED -	
PLOT DATE	= 01/25/2018	CHECKED -	RPH	REVISED -	
		DATE -	01/25/2018	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

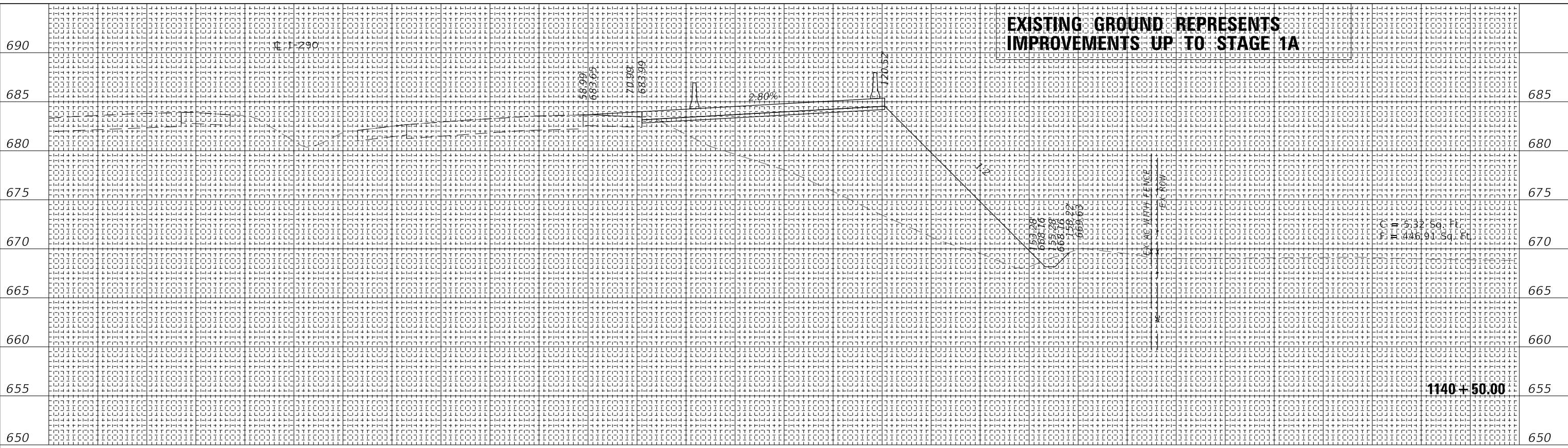
SCALE: 1"=10' SHEET 15 OF 151 SHEETS STA. 1139+00.00 TO STA. 1139+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAT 290	(22-1B-11B)	DUPAGE	402	266
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

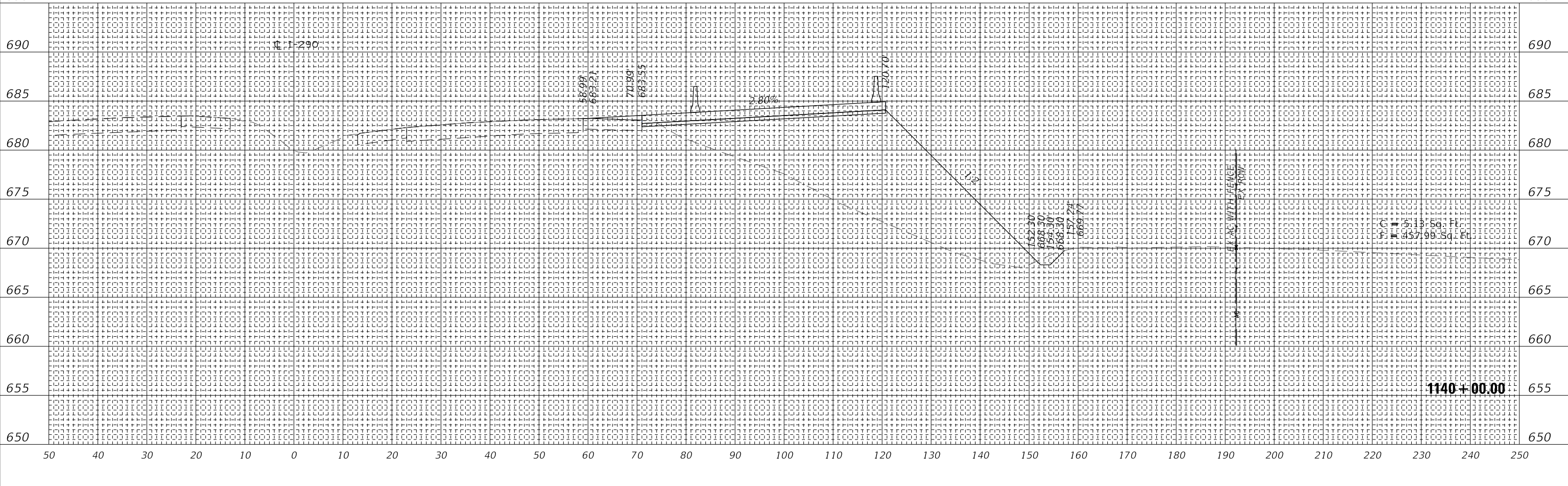
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

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

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50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	
695	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250



50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	
695	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250

wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8190
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1A CROSS SECTIONS

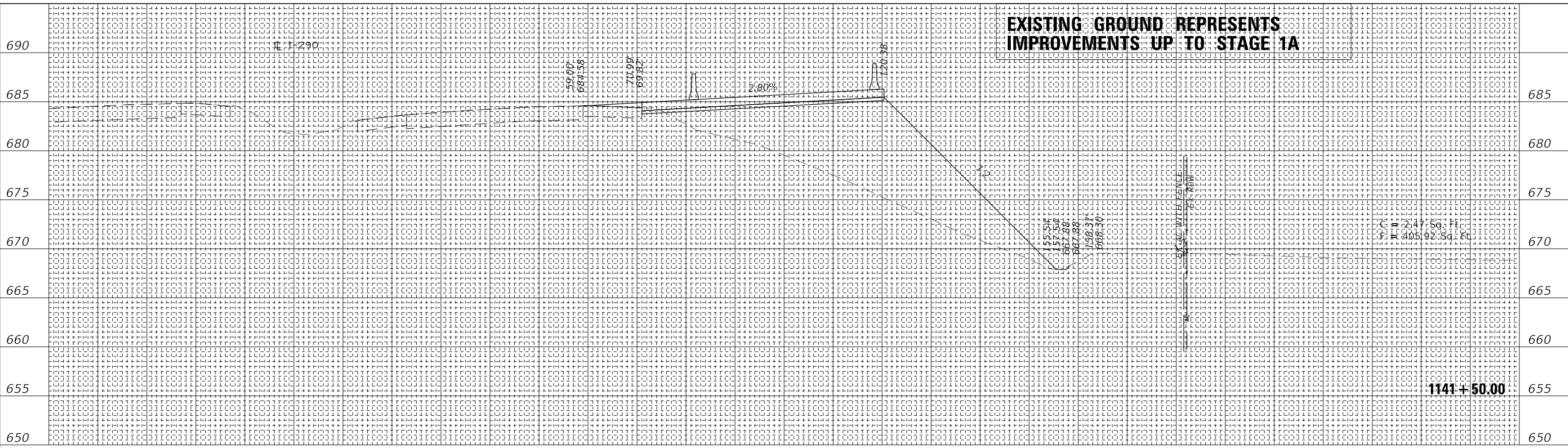
SCALE: 1"=10' SHEET 16 OF 151 SHEETS STA. 1140+00.00 TO STA. 1140+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 267
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

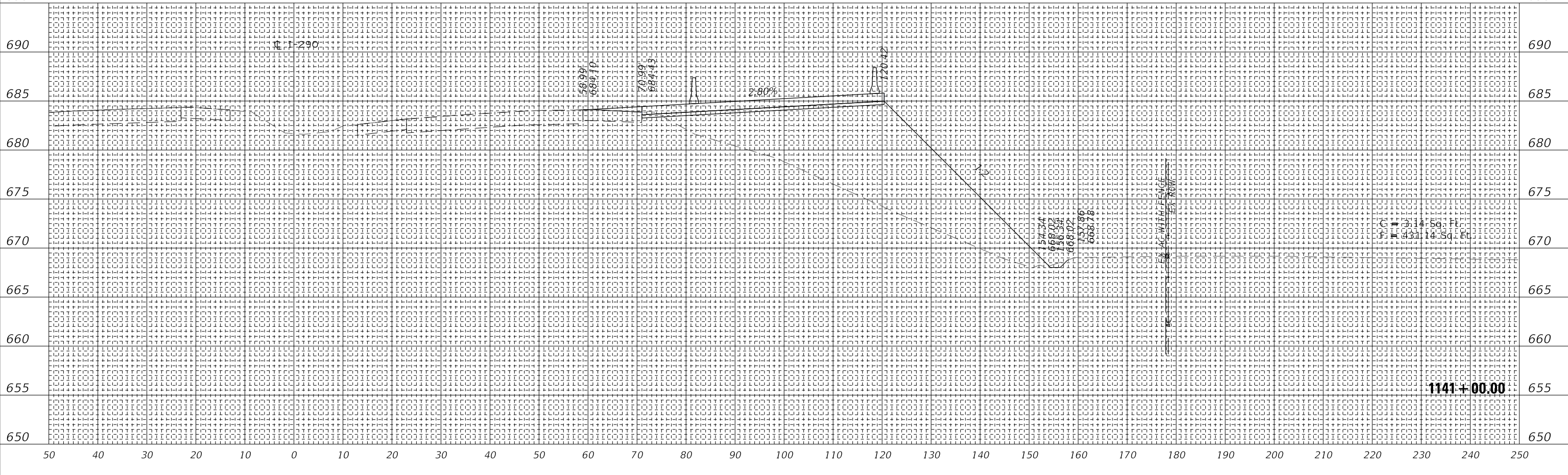
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

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

MODEL: SHODELNAME
FILE NAME: T:\16947AC\MI\CADD_Base\167C64+35C_MOT_1A.dgn



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685	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	685



690	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	690
685	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	685

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30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8190
FAX: (312) 782-1684

USER NAME =	ahmedmm	DESIGNED -	MMA	REVISED -	
PLOT SCALE =	1"=10'	DRAWN -	MMA	REVISED -	
PLOT DATE =	01/25/2018	CHECKED -	RPH	REVISED -	
		DATE -	01/25/2018	REVISED -	

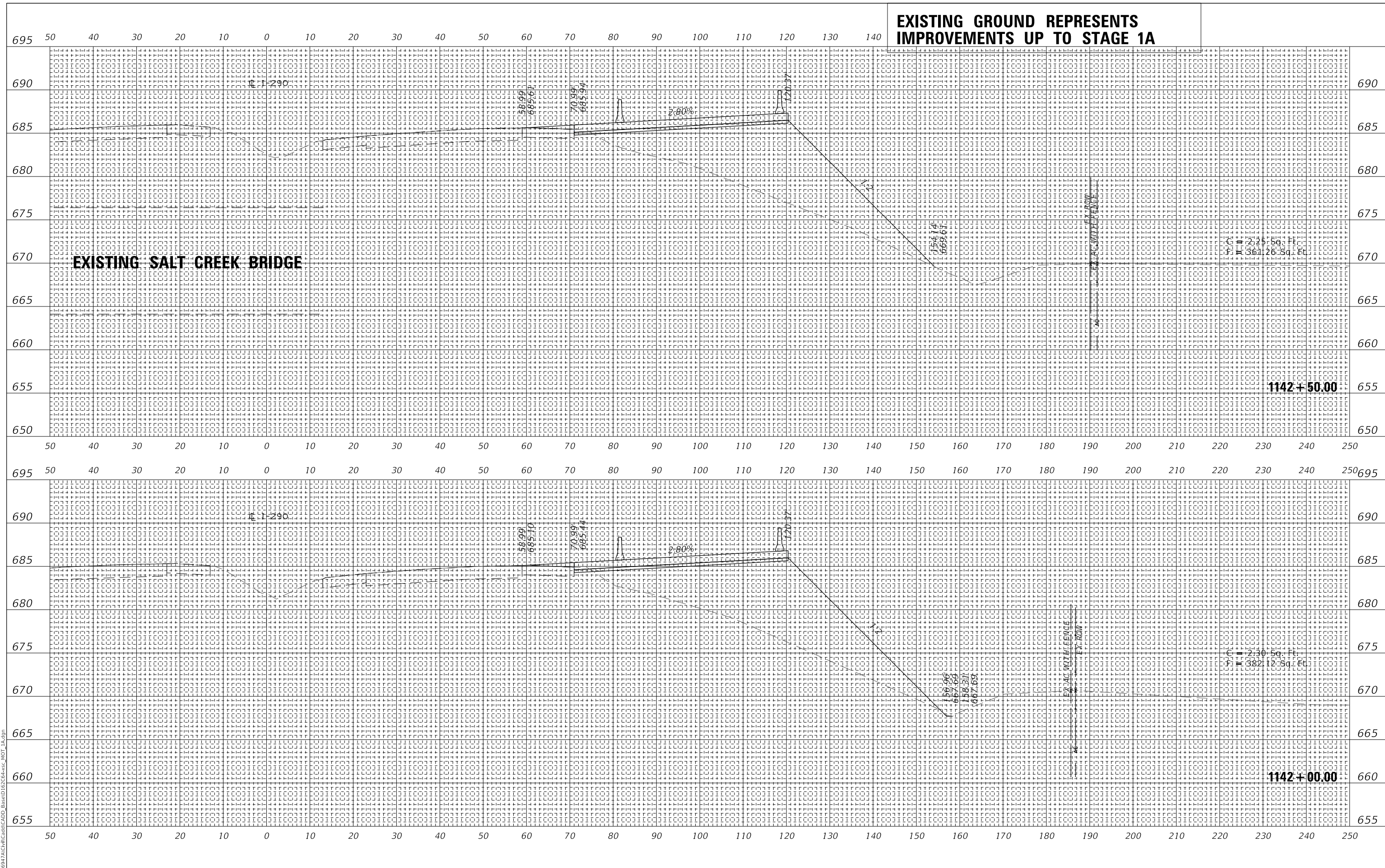
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 17 OF 151 SHEETS STA. 1141+00.00 TO STA. 1141+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-11B)	DUPAGE	402	268
		CONTRACT NO.	62C24	
	ILLINOIS	FED. AID PROJECT		

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**



EXISTING SALT CREEK BRIDGE

1142+50.00

1142+00.00

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

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

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

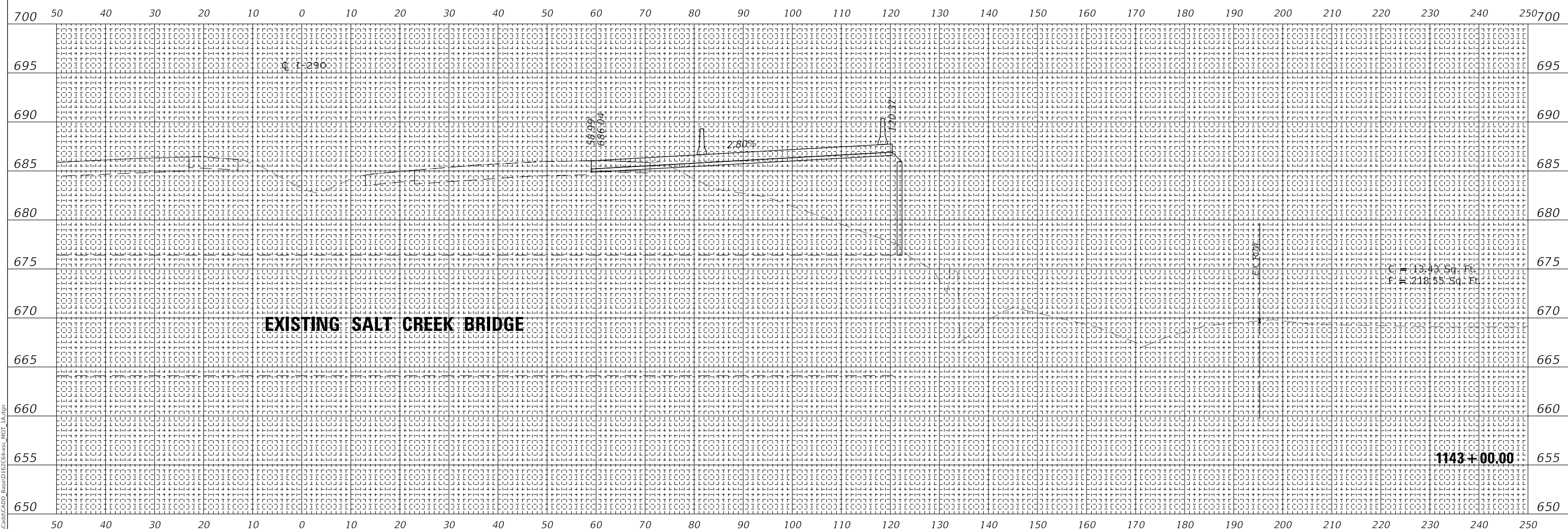
SCALE: 1"=10' SHEET 18 OF 151 SHEETS STA. 1142+00.00 TO STA. 1142+50.00

F.A. RTE. FAT 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 269
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

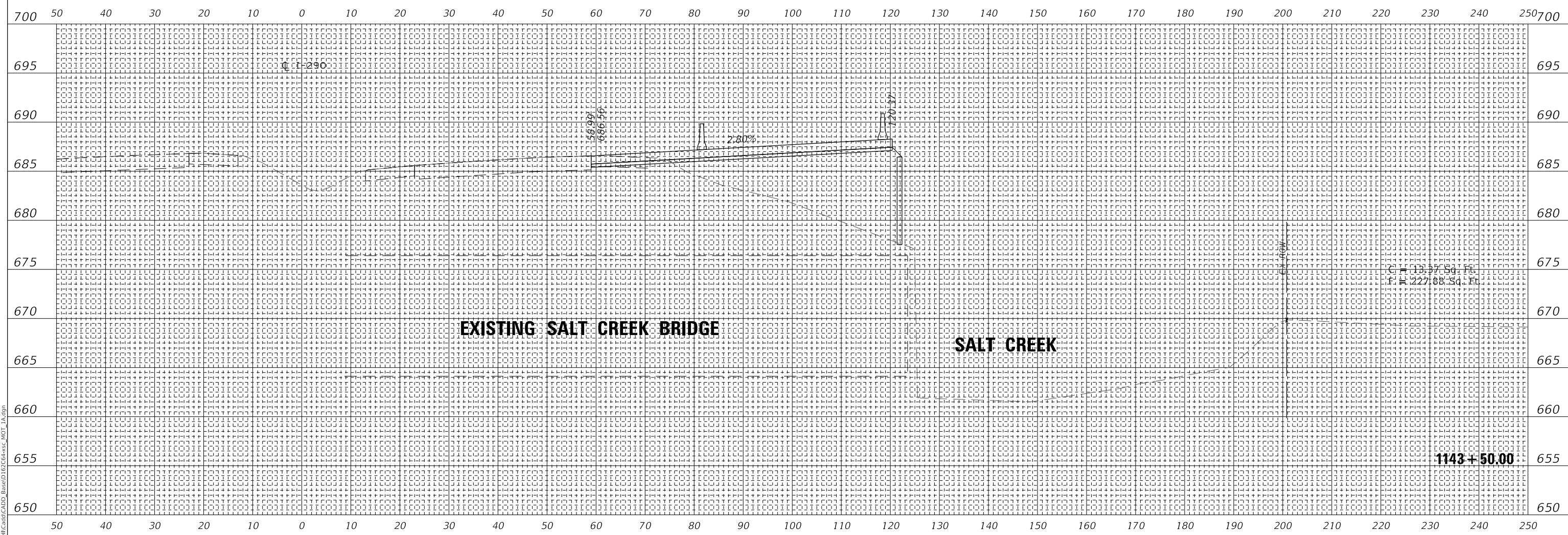
STAGE 1A CROSS SECTIONS	
SCALE: 1"=10'	SHEET 19 OF 151 SHEETS STA. 1143+00.00 TO STA. 1143+00.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 270
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	



MODEL: SHODELNAME5
FILE NAME: T:\16947AC\MI\CADD_Base\1657C04+50C_MOT_1A.dgn



USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

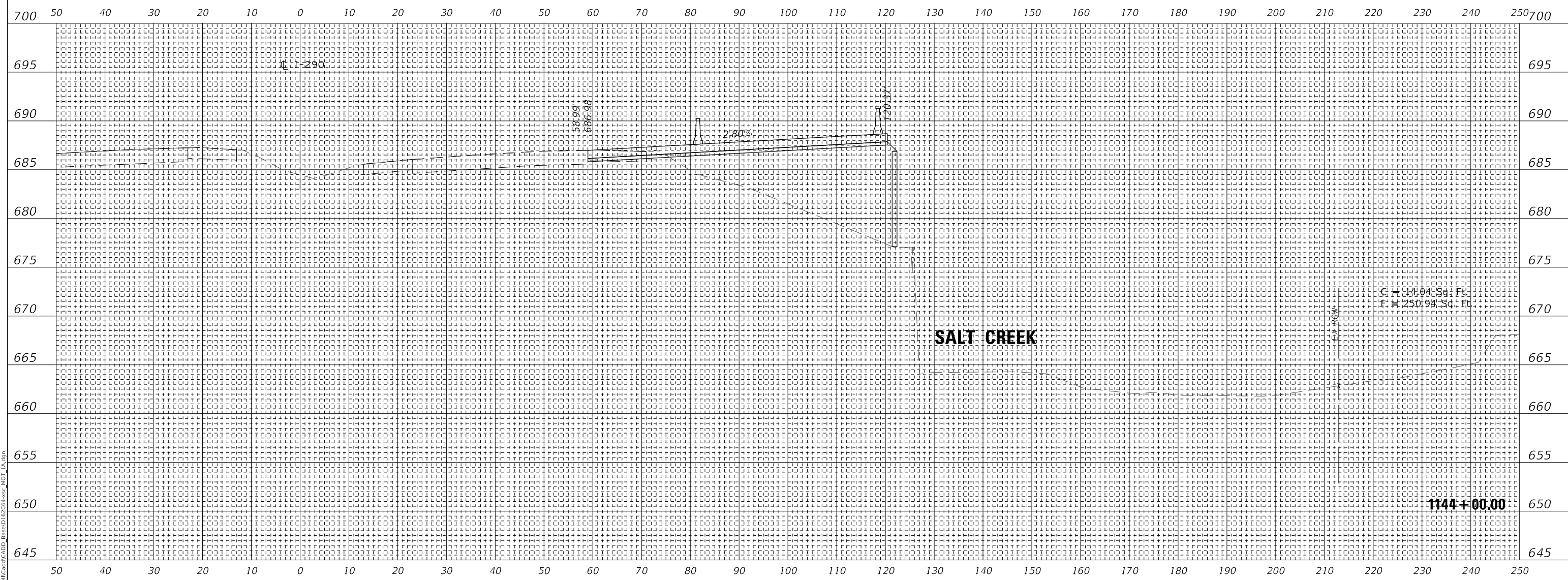
SCALE: 1"=10' SHEET 20 OF 151 SHEETS STA. 1143+50.00 TO STA. 1143+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 271
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



MODEL: SHODELNAME.S
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SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
	DRAWN - MMA	REVISED -
PLOT SCALE = 1"=10'	CHECKED - RPH	REVISED -
PLOT DATE = 01/25/2018	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

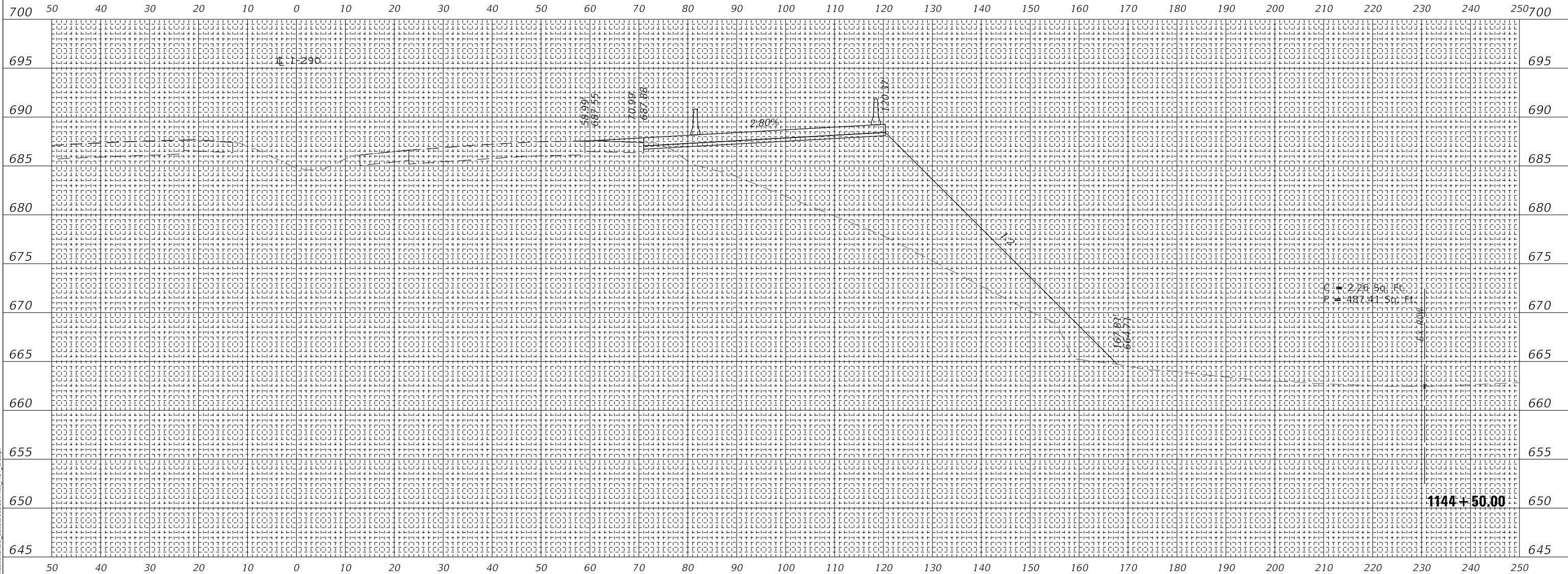
SCALE: 1"=10' SHEET 21 OF 151 SHEETS STA. 1144+00.00 TO STA. 1144+00.00

F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 272
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8190
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

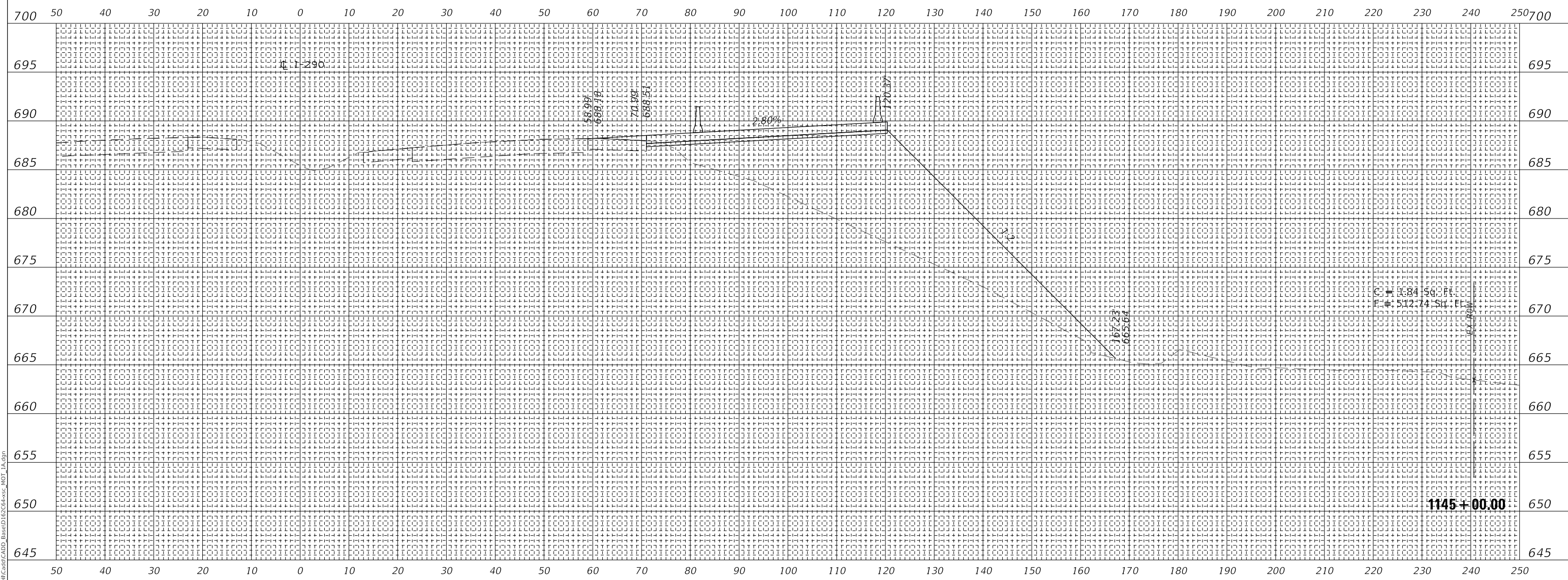
SCALE: 1"=10' SHEET 22 OF 151 SHEETS STA. 1144+50.00 TO STA. 1144+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAT 290	(22-1B-11B)	DUPAGE	402	273
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE



MODEL: SHODELNAME5
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USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

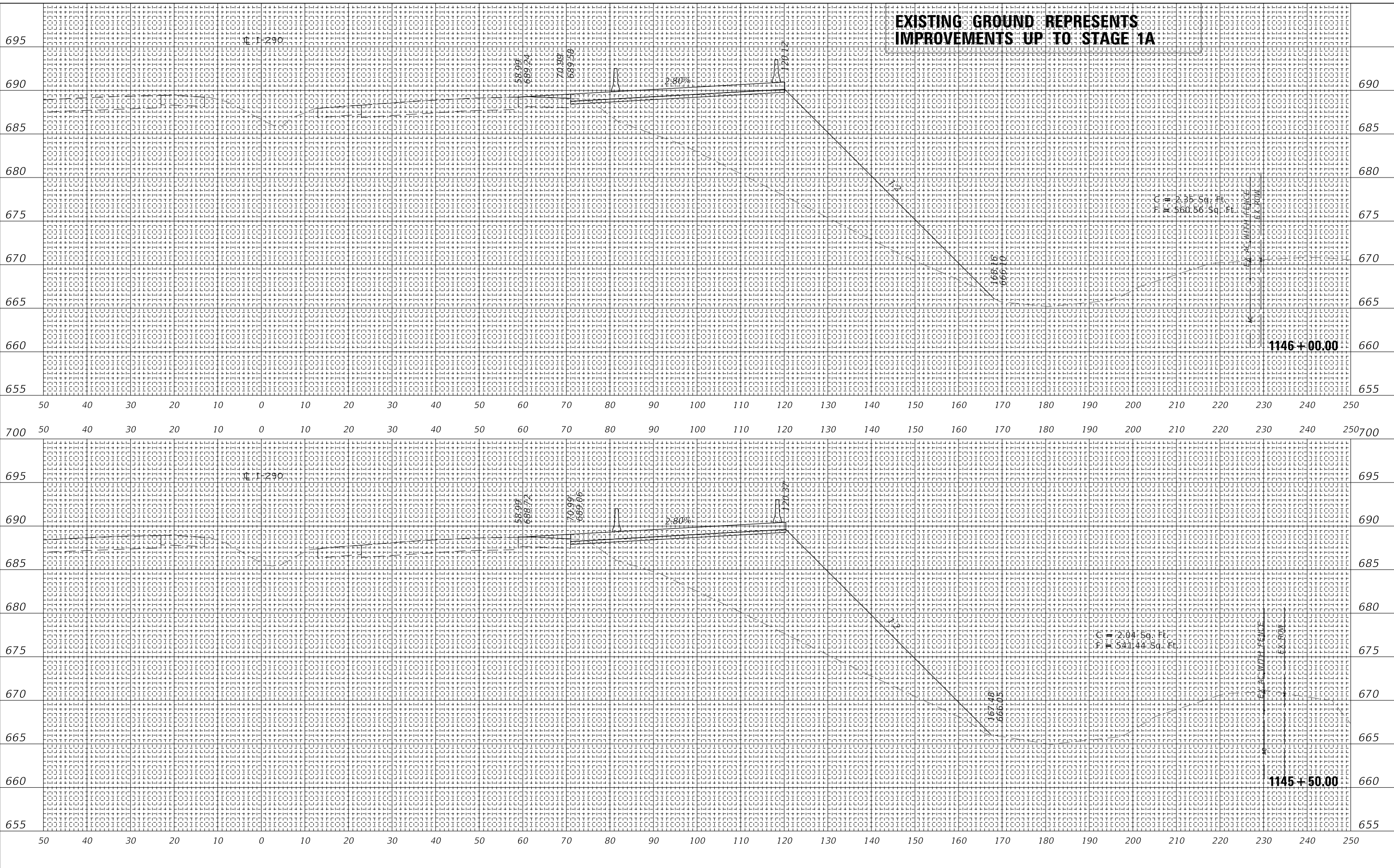
SCALE: 1"=10' SHEET 23 OF 151 SHEETS STA. 1145+00.00 TO STA. 1145+00.00

F.A. RTE. 290	SECTION (22-1B-11B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 274
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

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

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

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

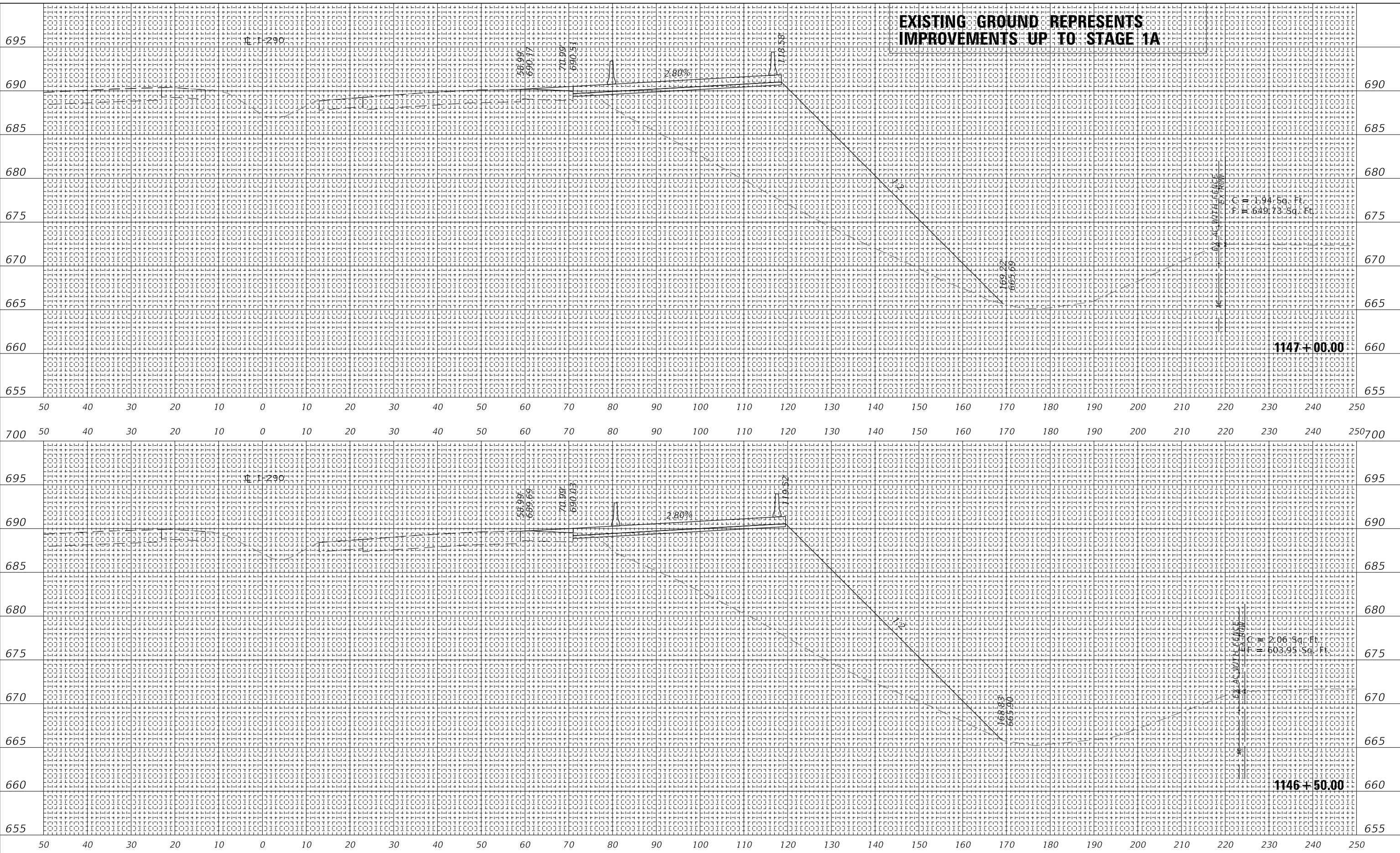
SCALE: 1"=10' SHEET 24 OF 151 SHEETS STA. 1145+50.00 TO STA. 1146+00.00

F.A. RTE. FAT 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 275
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

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

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

MODEL: SHODELNAME
FILE NAME: T:\16947AC\16947AC\CADD_Base\1146+50.00-1147+00.00



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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

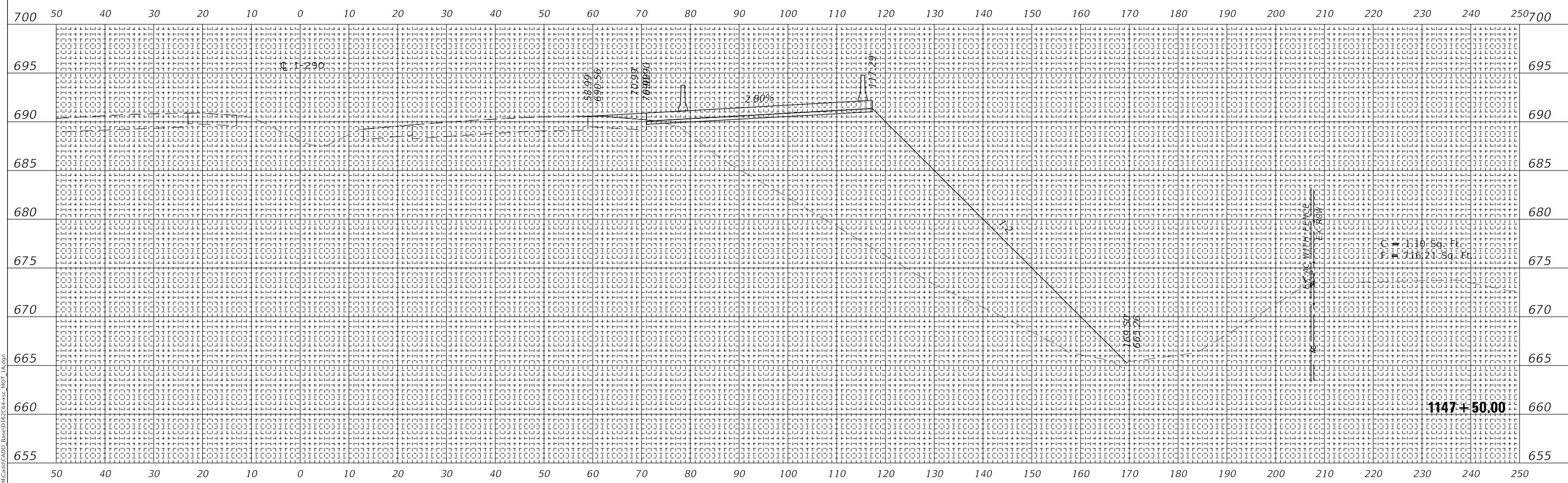
SCALE: 1"=10' SHEET 25 OF 151 SHEETS STA. 1146+50.00 TO STA. 1147+00.00

F.A. RTE. FAT 290	SECTION (22-1B-11B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 276
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

EXISTING GROUND REPRESENTS IMPROVEMENTS UP TO STAGE 1A

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



MODEL: SHODELNAME5
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USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

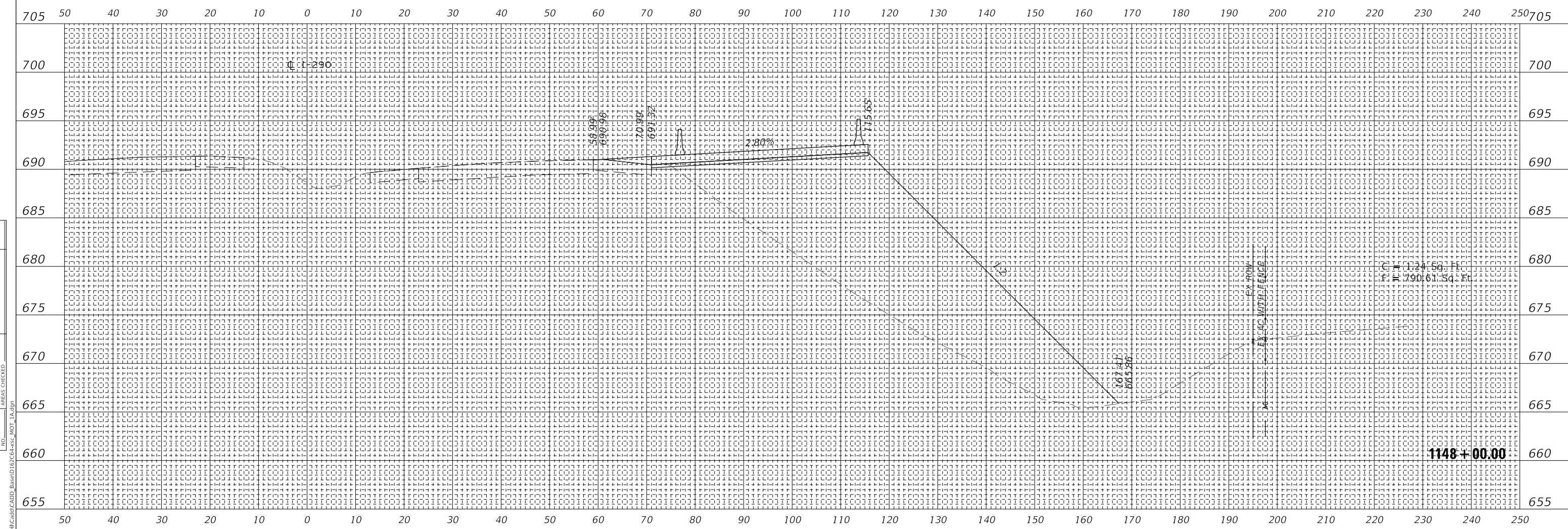
SCALE: 1"=10' SHEET 26 OF 151 SHEETS STA. 1147+50.00 TO STA. 1147+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAT 290	(22-1B-11B)	DUPAGE	402	277
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	



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SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
	DRAWN - MMA	REVISED -
PLOT SCALE = 1"=10'	CHECKED - RPH	REVISED -
PLOT DATE = 01/25/2018	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 27 OF 151 SHEETS STA. 1148+00.00 TO STA. 1148+00.00

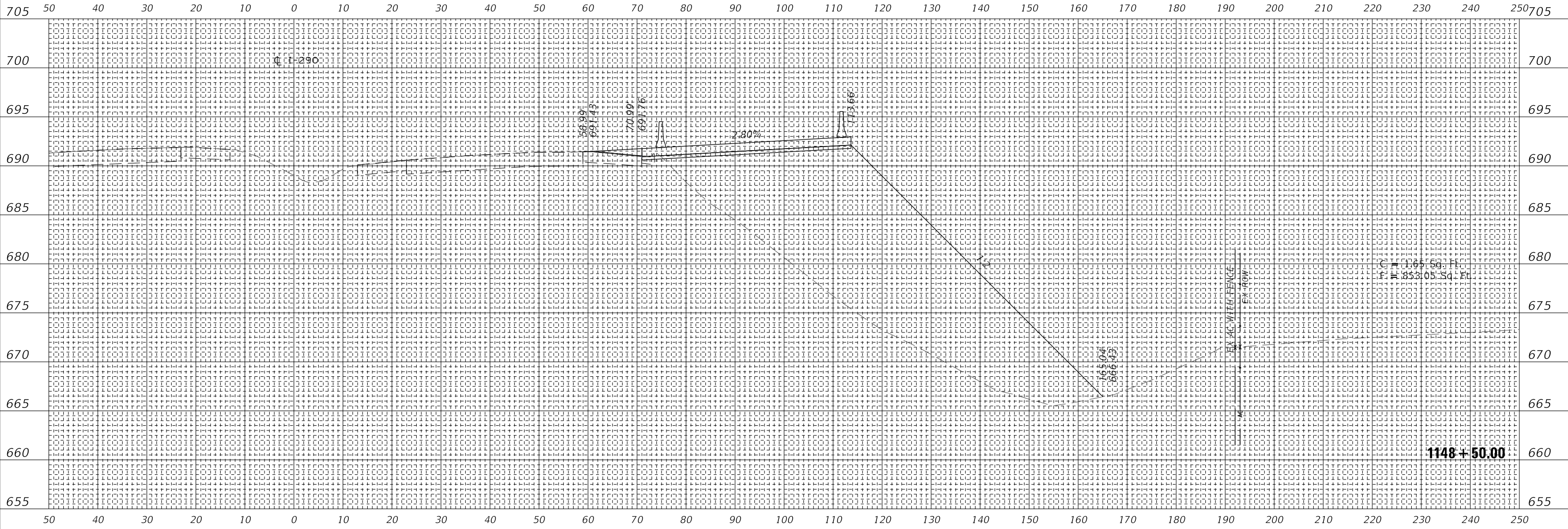
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-1)B	DUPAGE	402	278
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE

MODEL: SHODELNAME5
FILE NAME: T:\1897AC\MI\CADD_Base\1148+50+SS_MOT_1A.dgn



C = 169.56 Ft.
F = 853.05 Sq. Ft.

1148+50.00



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SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

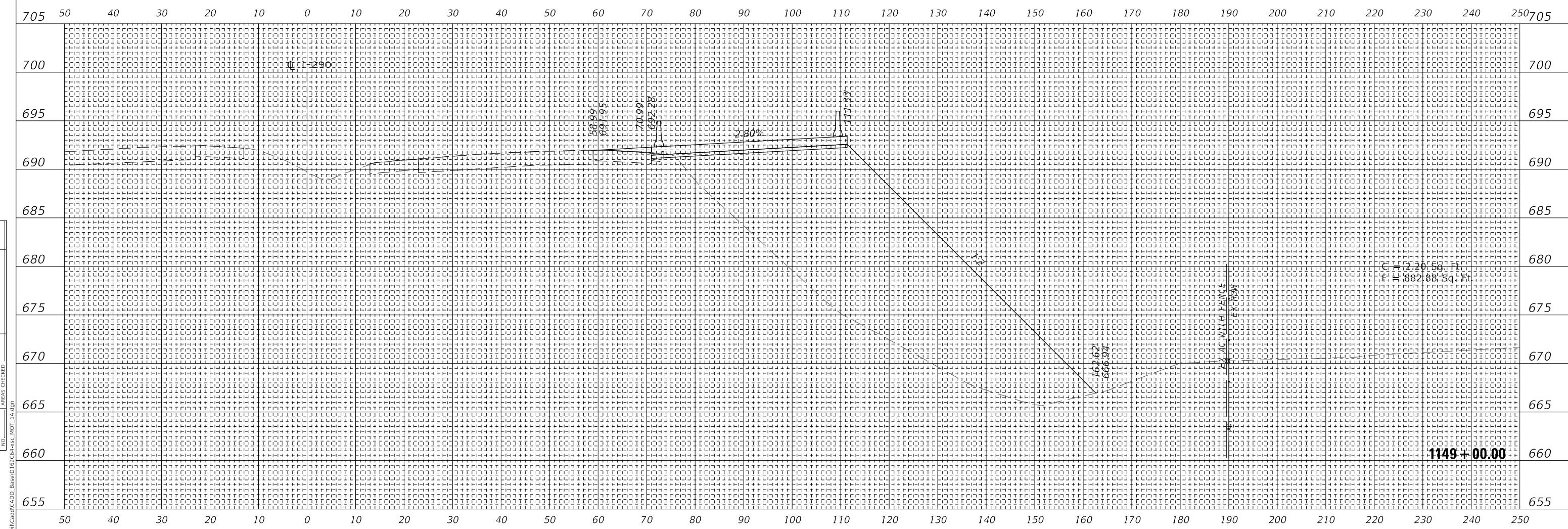
SCALE: 1"=10' SHEET 28 OF 151 SHEETS STA. 1148+50.00 TO STA. 1148+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 290	(22-1B-1B)	DUPAGE	402	279
CONTRACT NO. 62C24				
ILLINOIS FED. AID PROJECT				

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	



MODEL: SHODELNAME.S
FILE NAME: T:\159742\ACM\CADD_Base\167C24+SSC_MOT_1A.dgn



WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

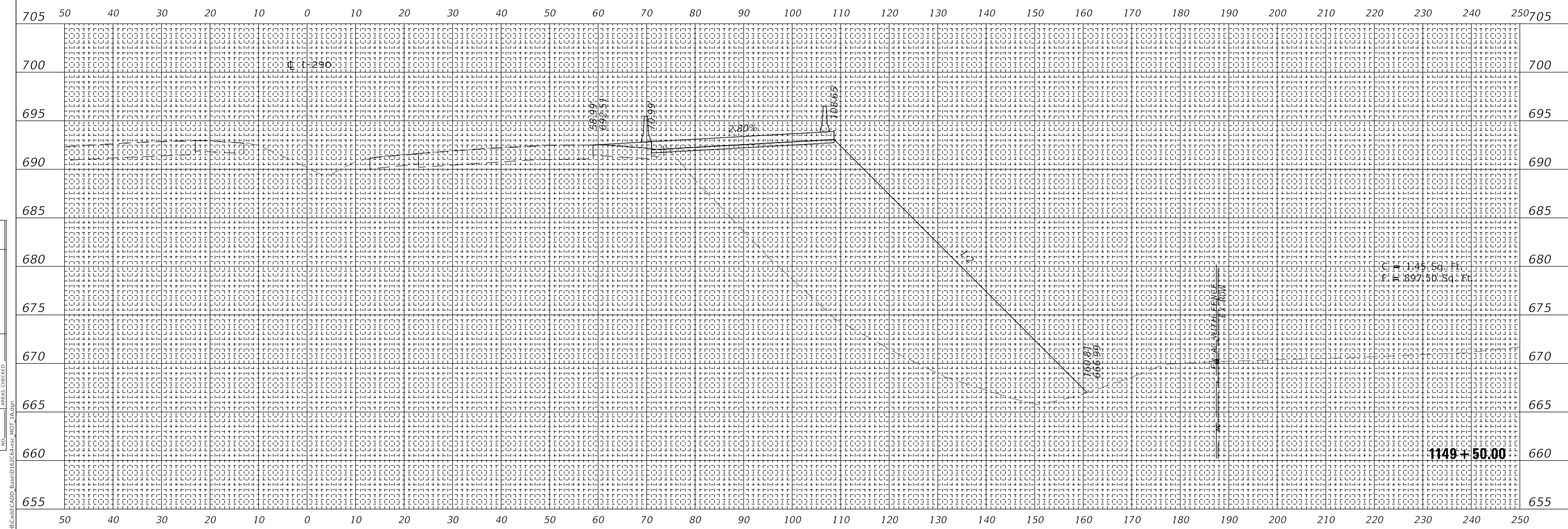
SCALE: 1"=10' SHEET 29 OF 151 SHEETS STA. 1149+00.00 TO STA. 1149+00.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 280
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY NO.	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	



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30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
	DRAWN - MMA	REVISED -
PLOT SCALE = 1"=10'	CHECKED - RPH	REVISED -
PLOT DATE = 01/25/2018	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

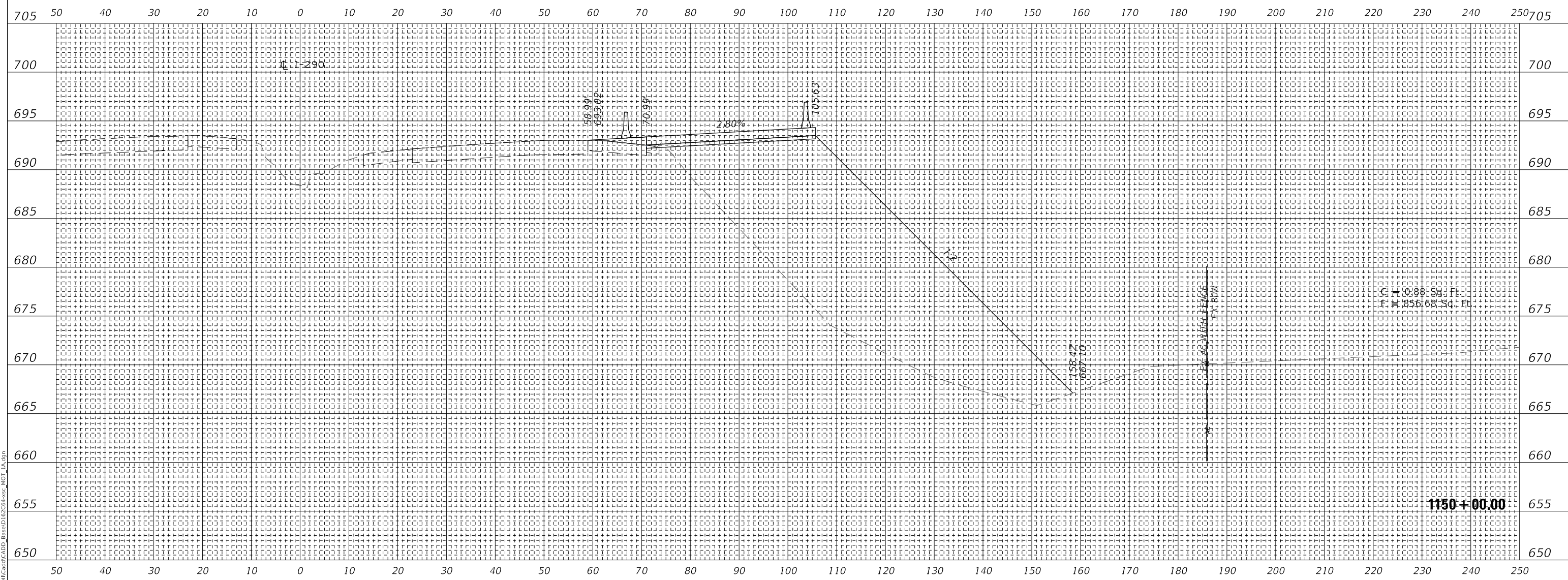
SCALE: 1"=10' SHEET 30 OF 151 SHEETS STA. 1149+50.00 TO STA. 1149+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 281
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

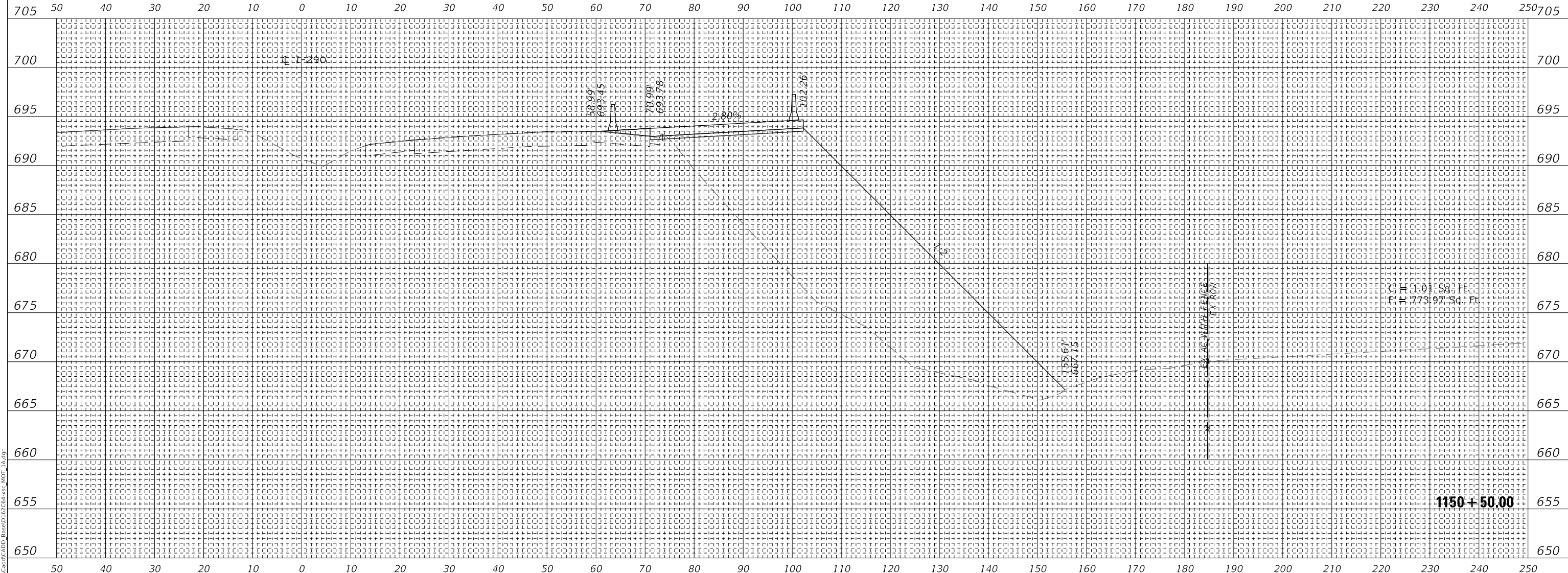
SCALE: 1"=10' SHEET 31 OF 151 SHEETS STA. 1150+00.00 TO STA. 1150+00.00

F.A. RTE. 290	SECTION (22-1B-1)B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 282
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



MODEL: SHODELNAME5
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wsp
 WSP USA Inc.
 30 N. LASALLE STREET
 SUITE 4000
 CHICAGO, IL 60602
 TEL: (312) 782-8150
 FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

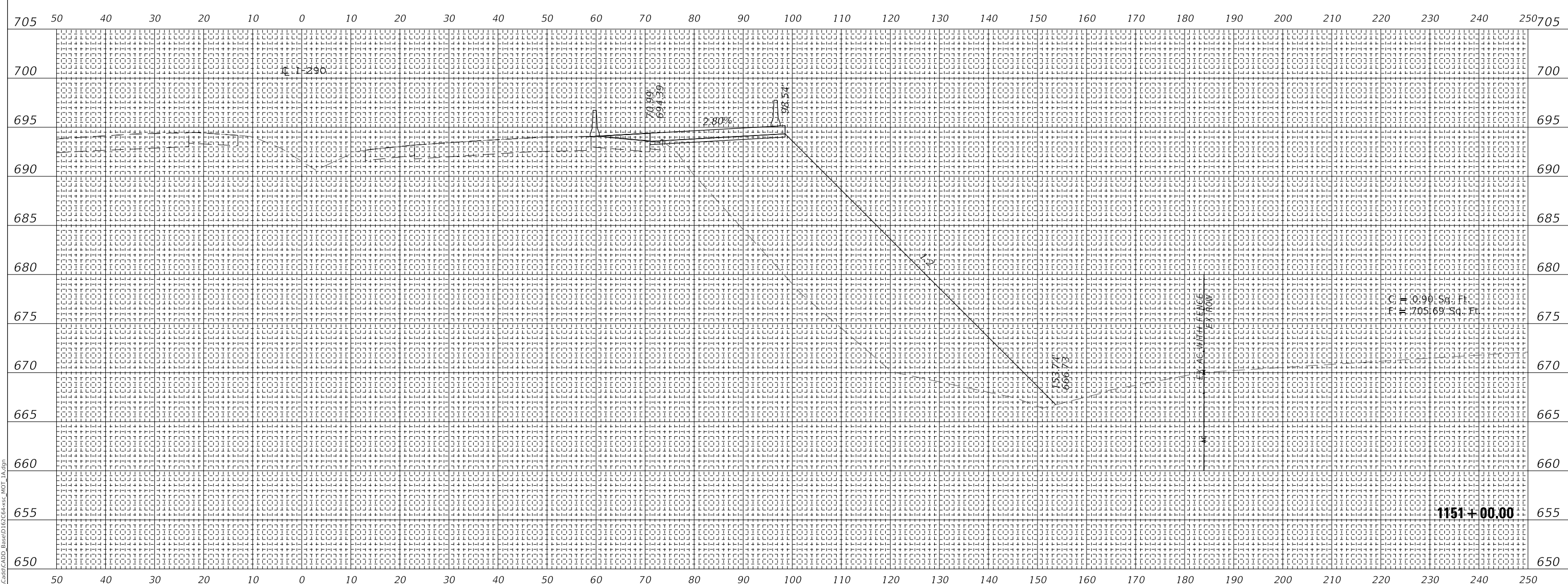
SCALE: 1"=10' SHEET 32 OF 151 SHEETS STA. 1150+50.00 TO STA. 1150+50.00

F.A. RTE. 290	SECTION 122-1B-11B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 283
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
	DRAWN - MMA	REVISED -
PLOT SCALE = 1"=10'	CHECKED - RPH	REVISED -
PLOT DATE = 01/25/2018	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

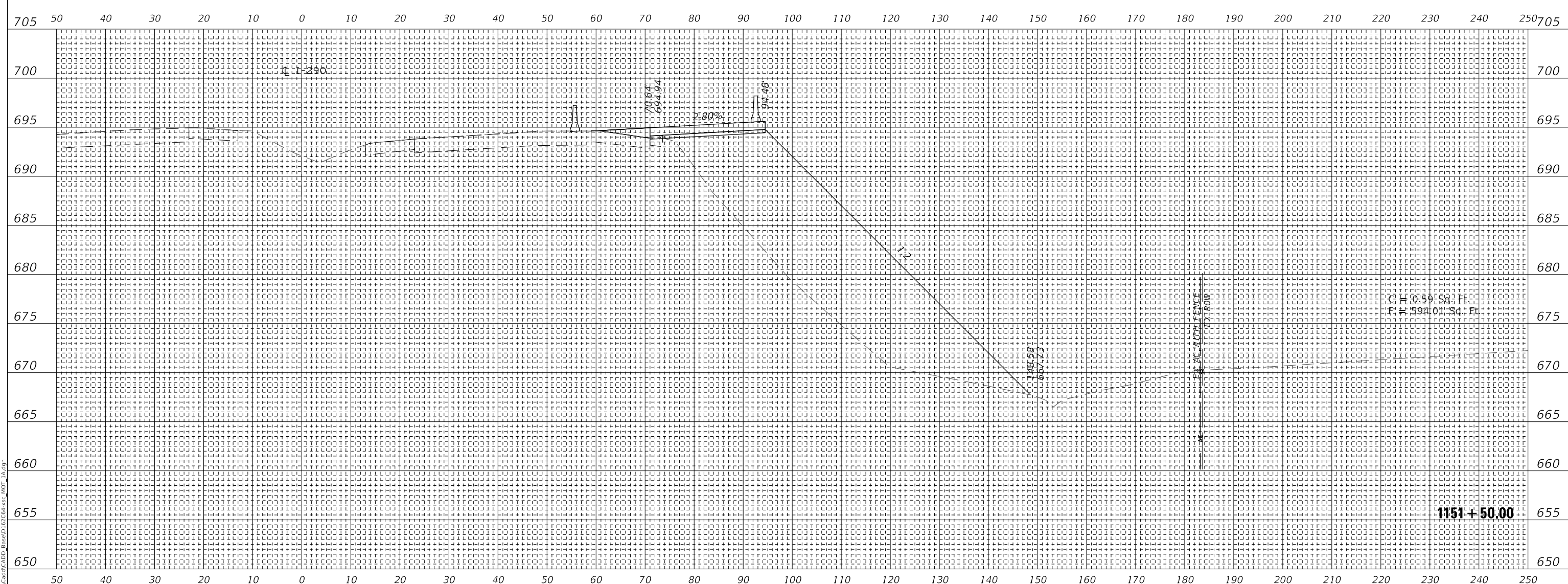
SCALE: 1"=10' SHEET 33 OF 151 SHEETS STA. 1151+00.00 TO STA. 1151+00.00

F.A. RTE. 290	SECTION 122-1B-11B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 284
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



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USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

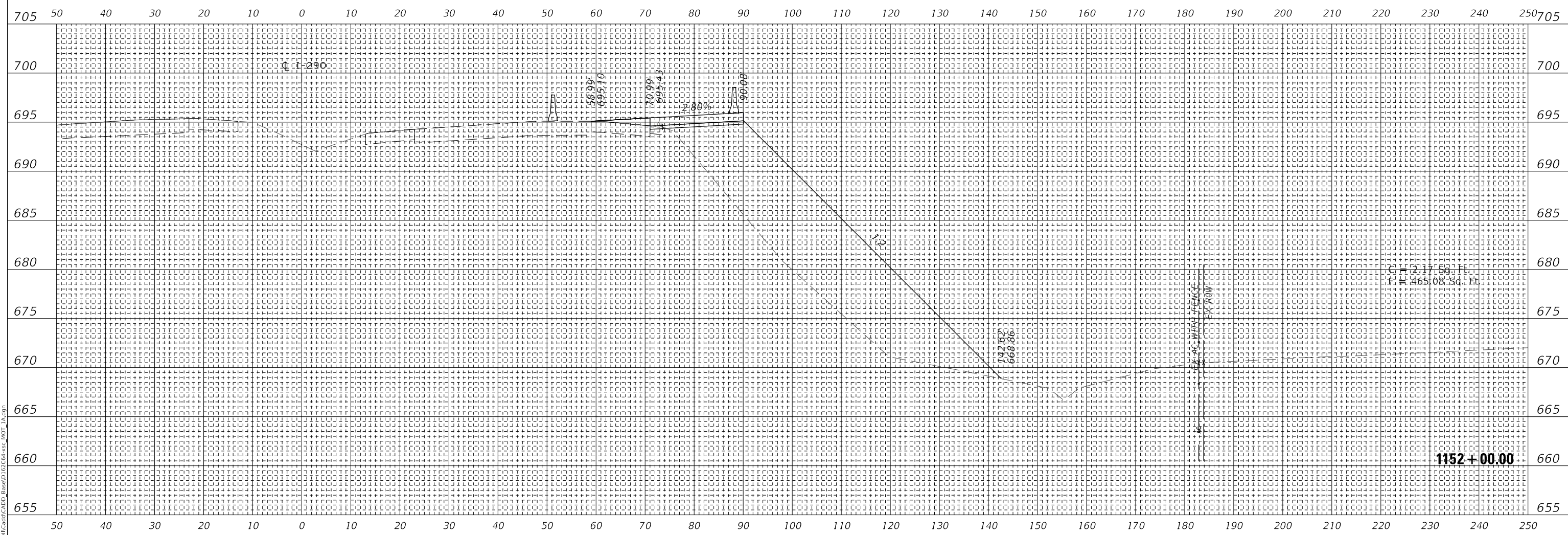
STAGE 1A CROSS SECTIONS
SCALE: 1"=10' SHEET 34 OF 151 SHEETS STA. 1151+50.00 TO STA. 1151+50.00

F.A. RTE. 290	SECTION 122-1B-11B	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 285
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE



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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

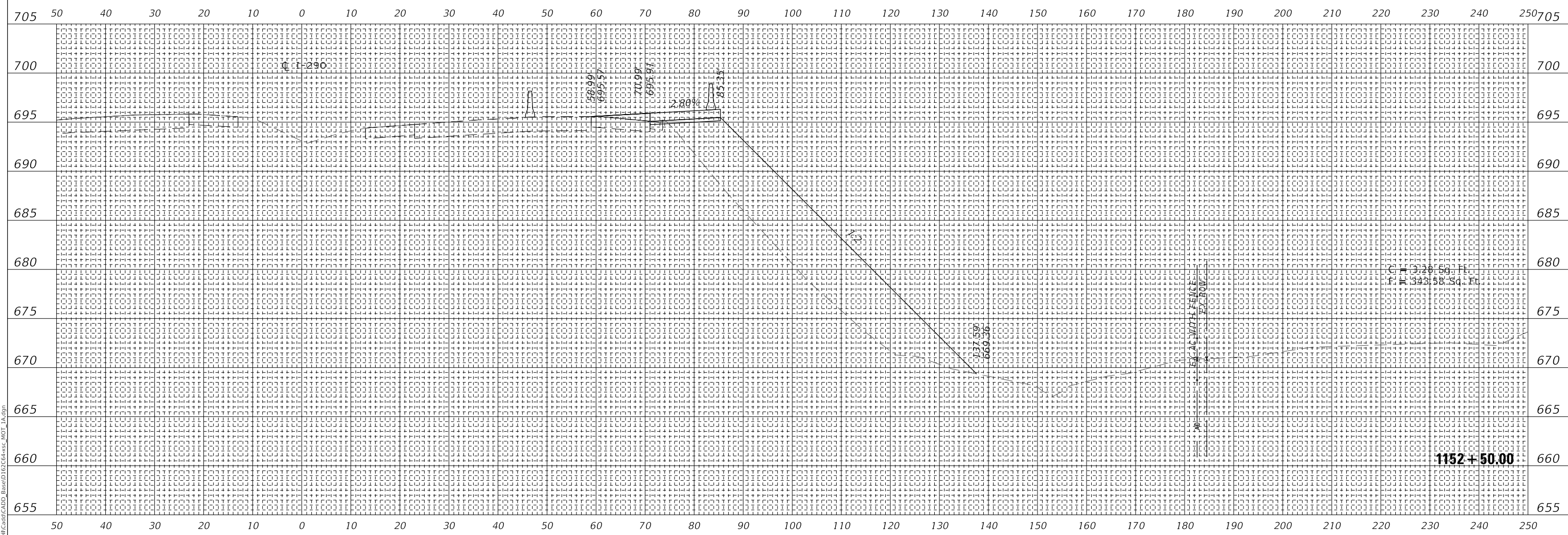
SCALE: 1"=10' SHEET 35 OF 151 SHEETS STA. 1152+00.00 TO STA. 1152+00.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 286
CONTRACT NO. 62C24			ILLINOIS FED. AID PROJECT	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE



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wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

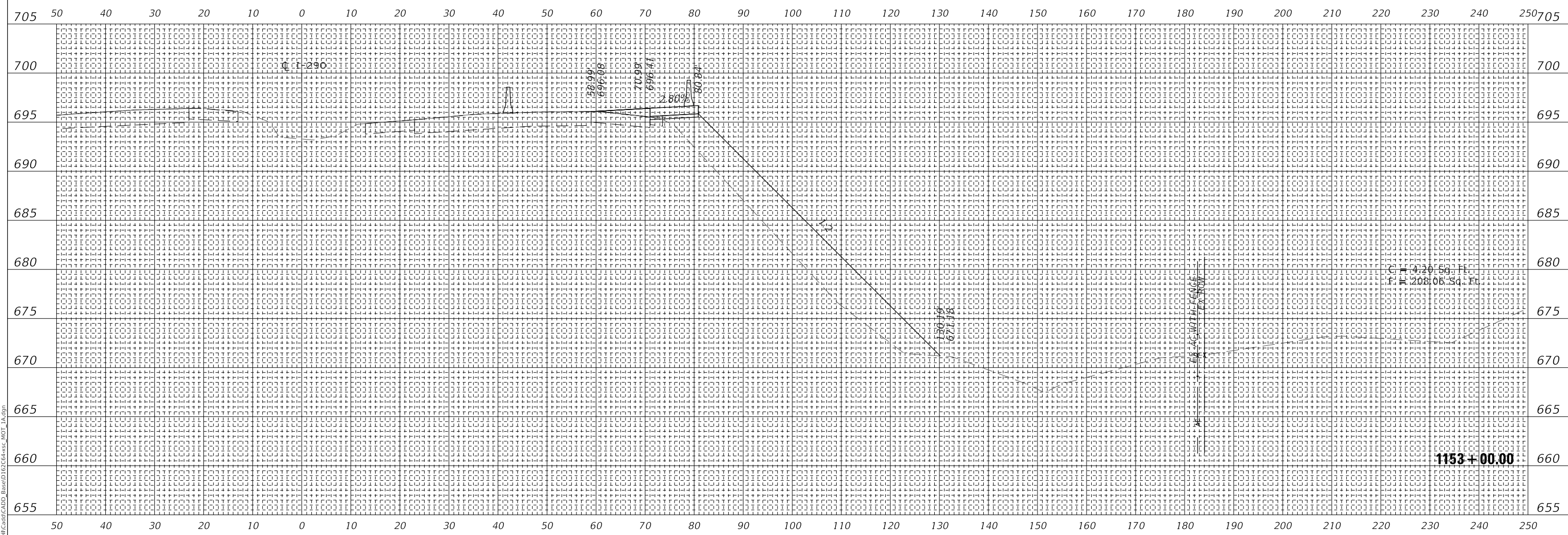
SCALE: 1"=10' SHEET 36 OF 151 SHEETS STA. 1152+50.00 TO STA. 1152+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 287
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

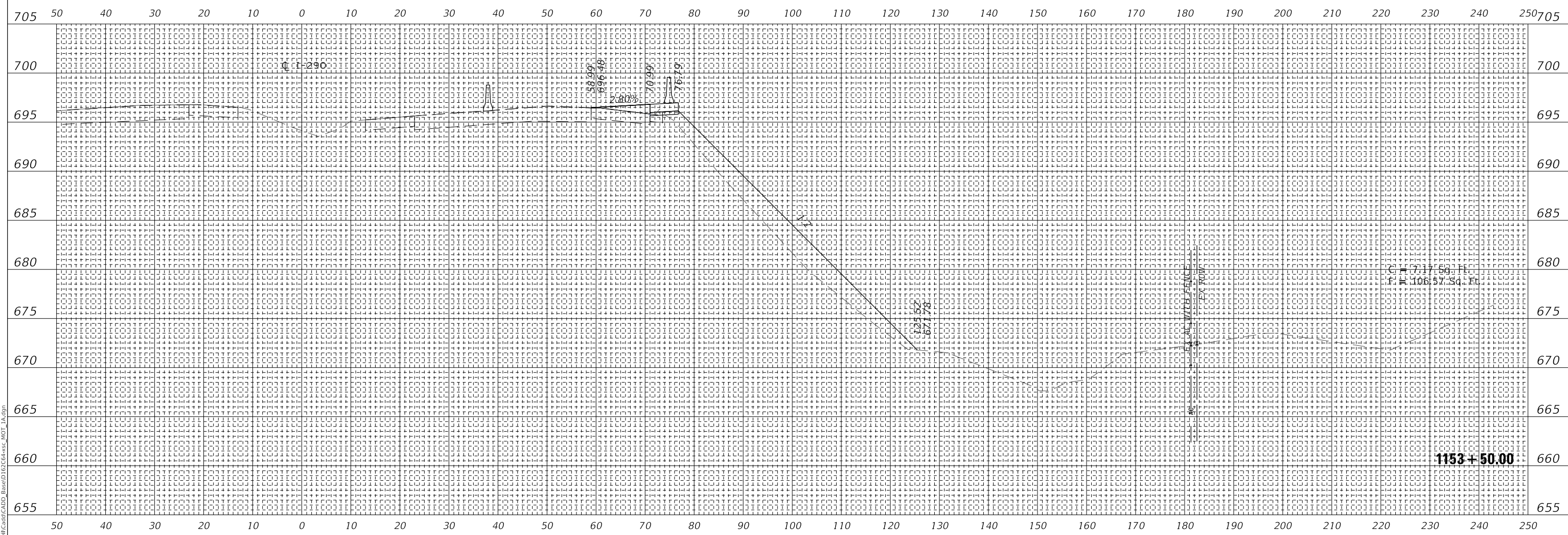
SCALE: 1"=10' SHEET 37 OF 151 SHEETS STA. 1153+00.00 TO STA. 1153+00.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 288
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1884

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

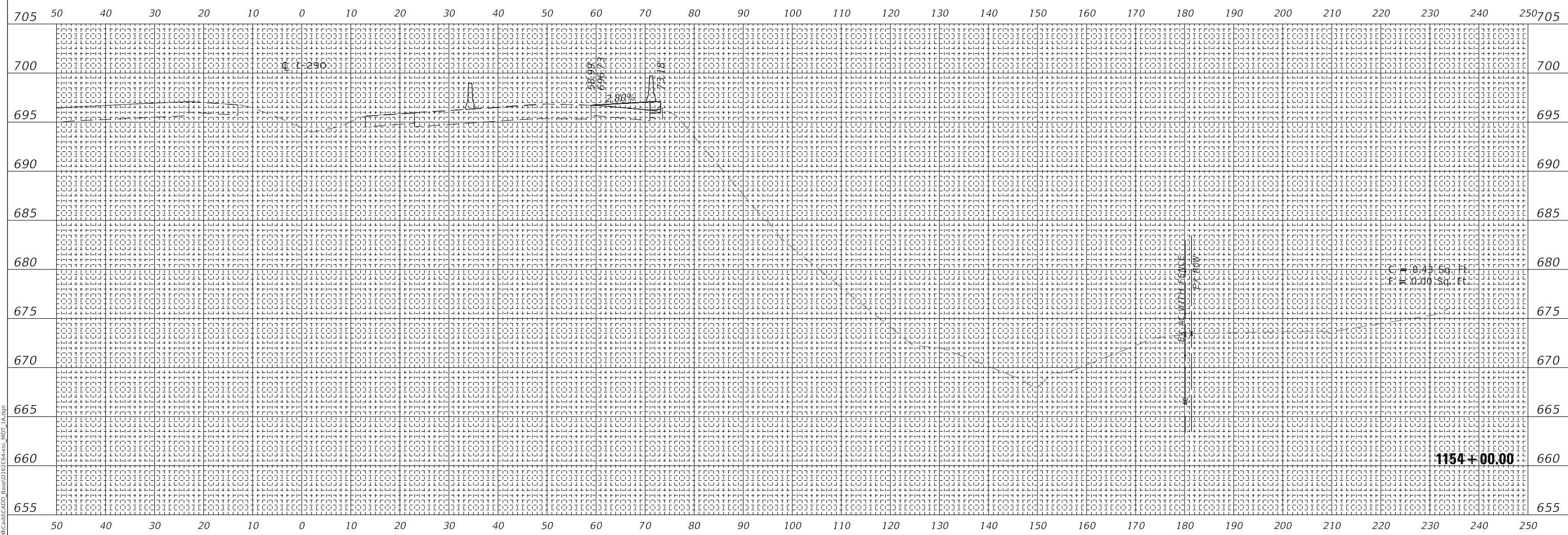
SCALE: 1"=10' SHEET 38 OF 151 SHEETS STA. 1153+50.00 TO STA. 1153+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 289
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



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wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

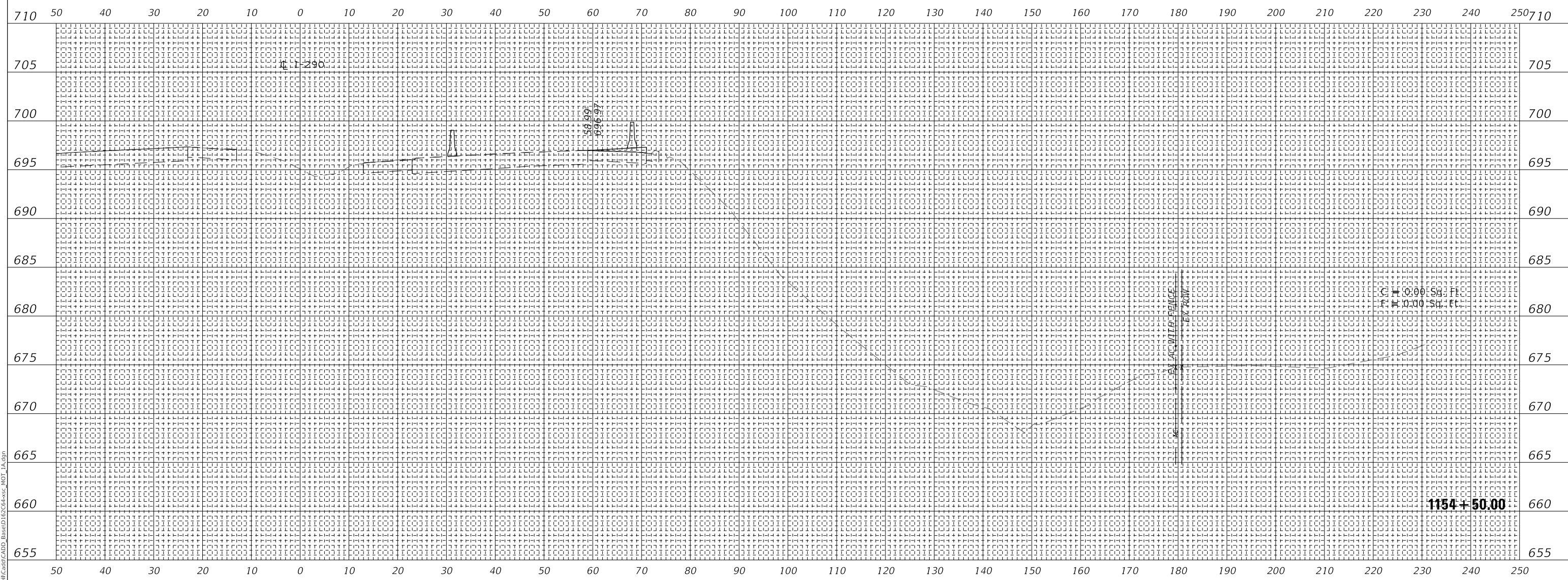
SCALE: 1"=10'	SHEET 39 OF 151 SHEETS	STA. 1154+00.00 TO STA. 1154+00.00
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F.A. RTE. 290	SECTION (22-1B-11B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 290
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

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

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



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wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

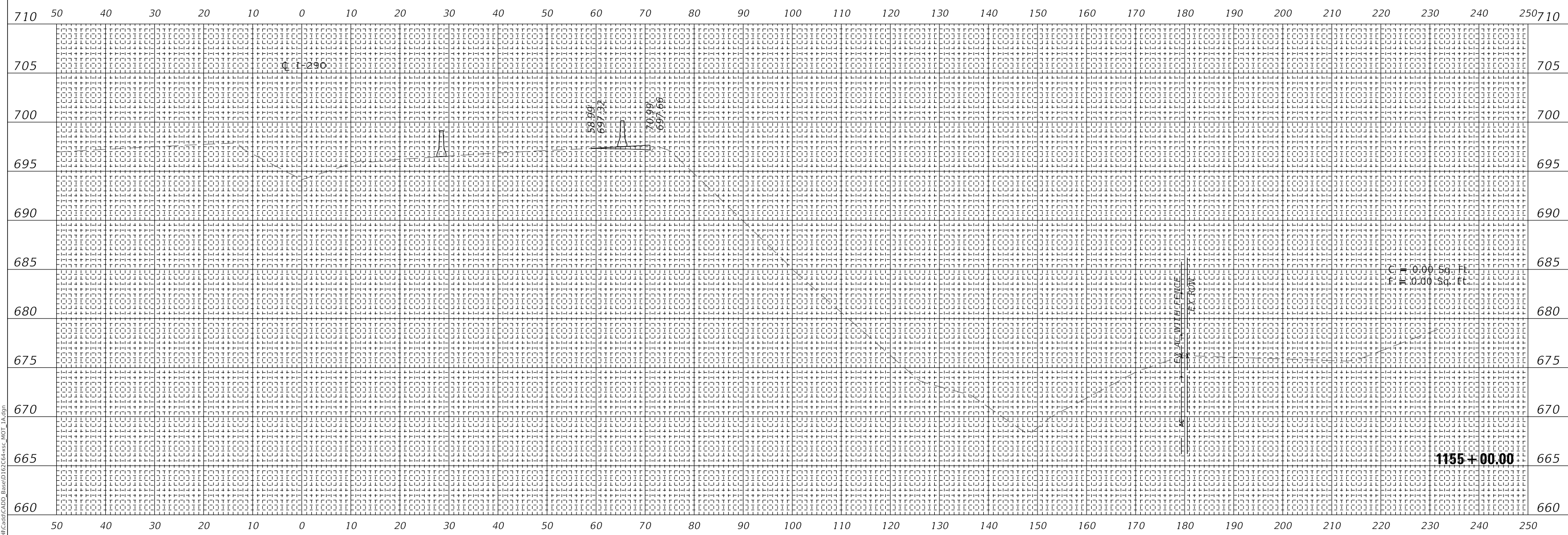
SCALE: 1"=10'	SHEET 40 OF 151 SHEETS	STA. 1154+50.00 TO STA. 1154+50.00
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F.A. RTE. 290	SECTION (22-1B-11B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 291
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED BY	DATE

ORIGINAL SURVEY NO.	SURVEYED BY	DATE



MODEL: SHODELNAME5
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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
	DRAWN - MMA	REVISED -
PLOT SCALE = 1"=10'	CHECKED - RPH	REVISED -
PLOT DATE = 01/25/2018	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1A CROSS SECTIONS

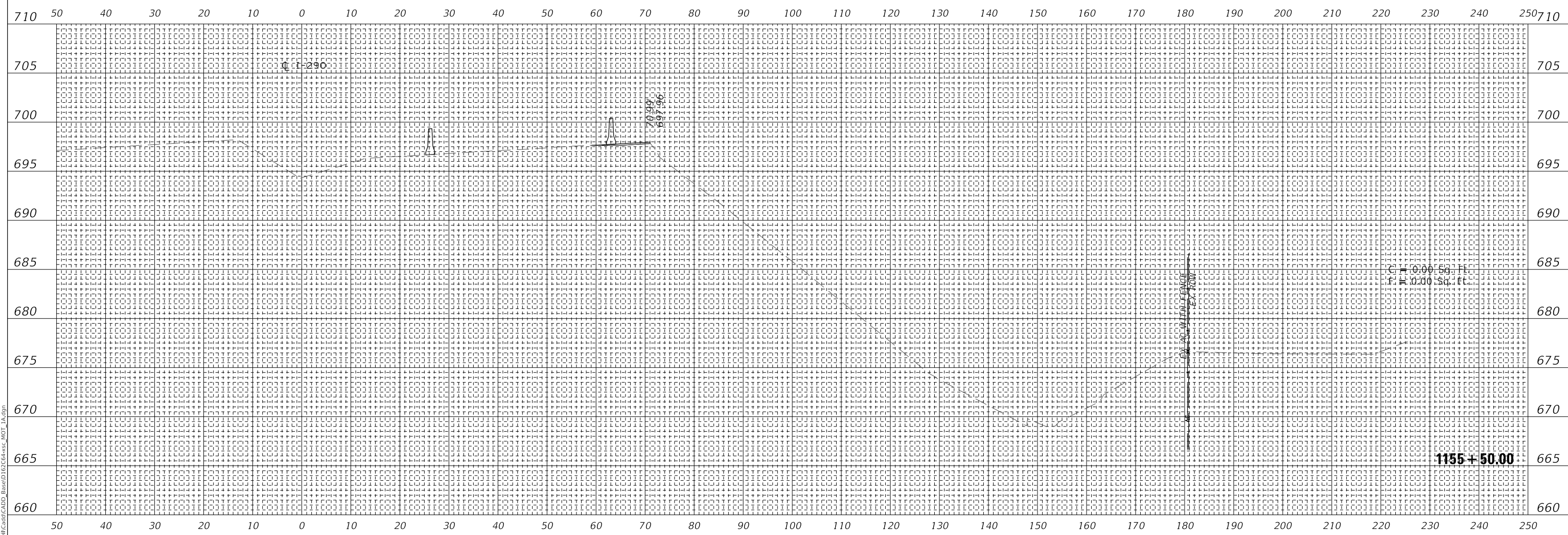
SCALE: 1"=10' SHEET 41 OF 151 SHEETS STA. 1155+00.00 TO STA. 1155+00.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 292
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 1A**

FINAL SURVEY NO.	SURVEYED BY	DATE

ORIGINAL SURVEY NO.	SURVEYED BY	DATE



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wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

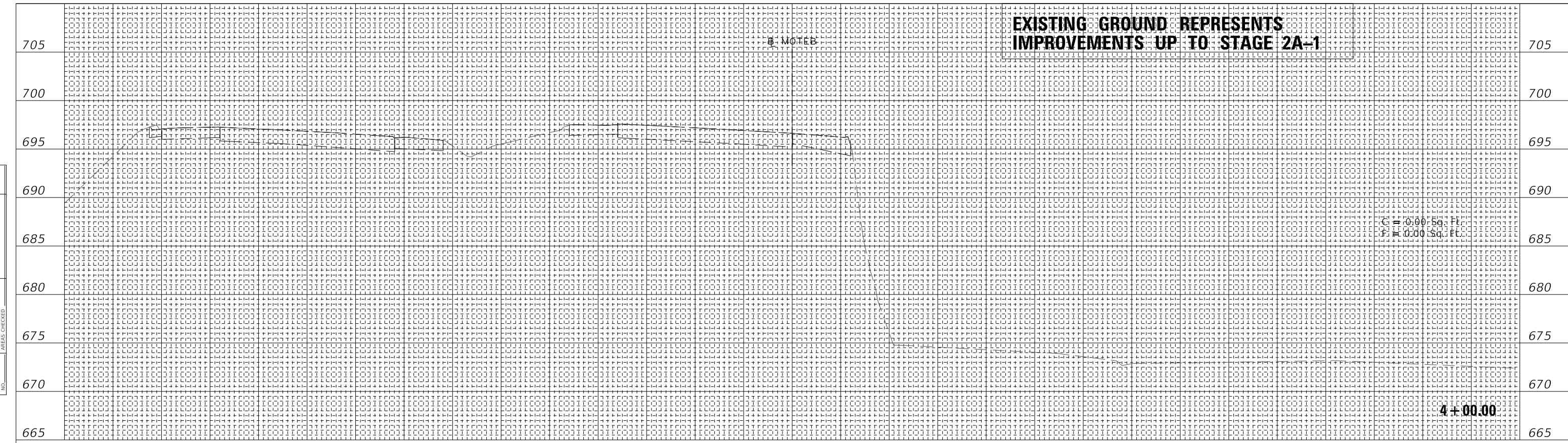
STAGE 1A CROSS SECTIONS

SCALE: 1"=10' SHEET 42 OF 151 SHEETS STA. 1155+50.00 TO STA. 1155+50.00

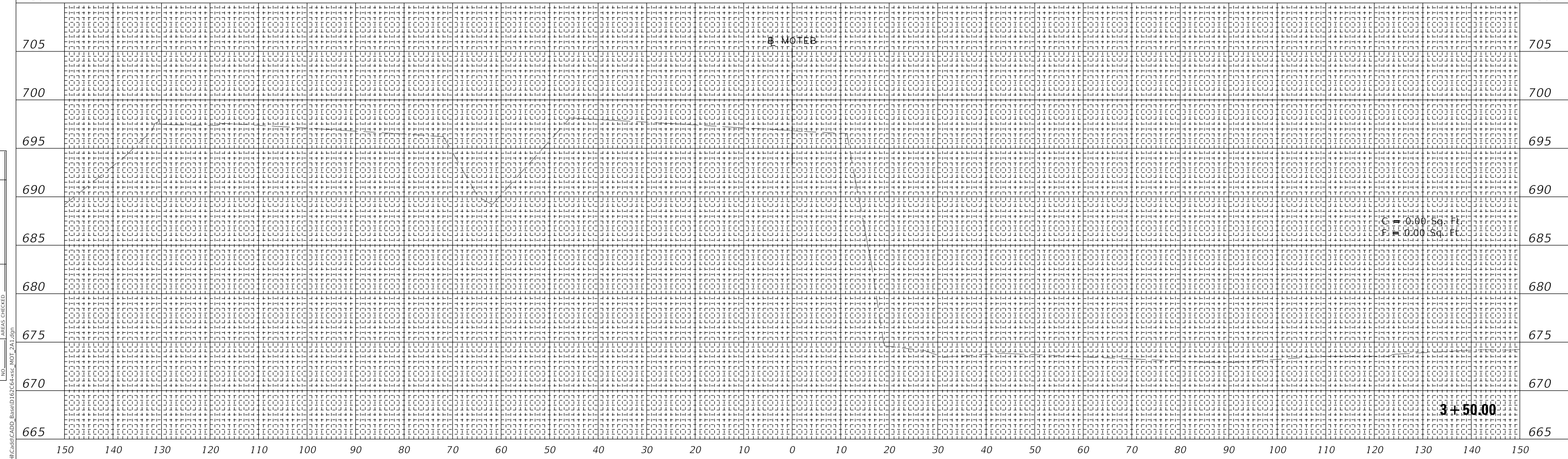
F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 293
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	



150	140	130	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		
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150	140	130	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
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WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8190
FAX: (312) 782-1694

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

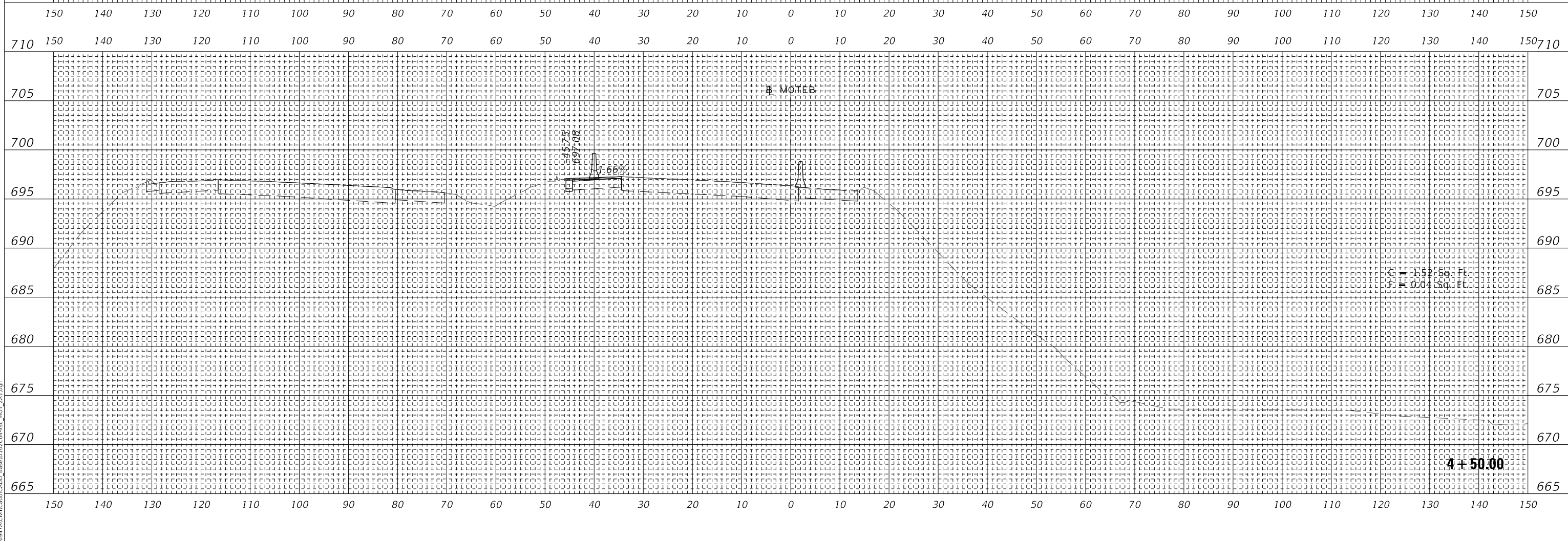
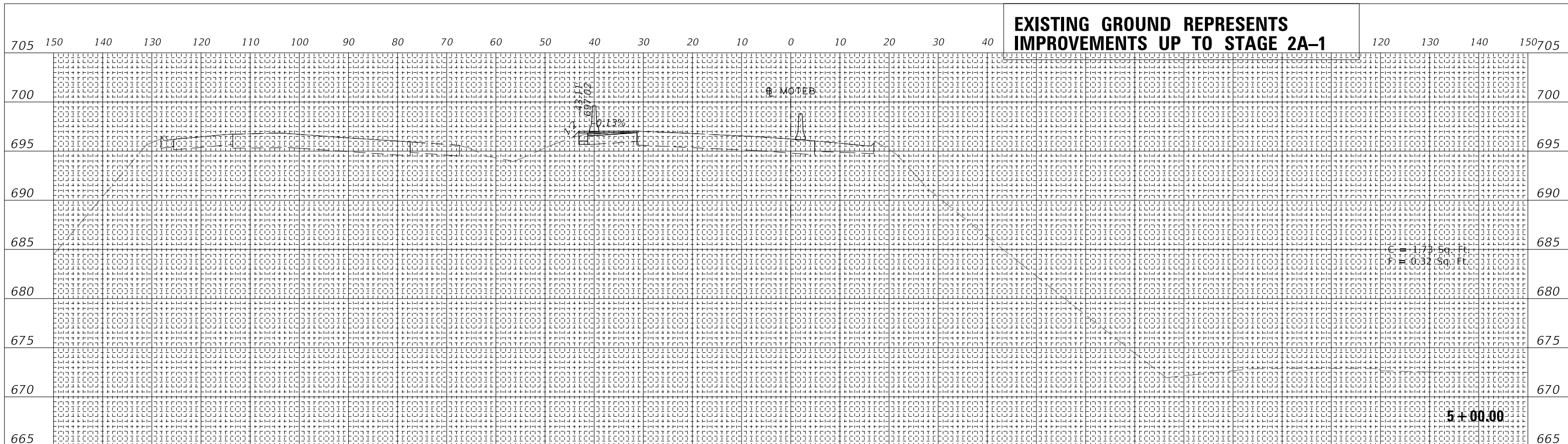
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2A-1 CROSS SECTIONS

SCALE: 1"=10' SHEET 43 OF 151 SHEETS STA. 3+50.00 TO STA. 4+00.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 294
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

EXISTING GROUND REPRESENTS IMPROVEMENTS UP TO STAGE 2A-1



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

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

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WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME =	ahmedmm	DESIGNED -	MMA	REVISED -	
PLOT SCALE =	1"=10'	DRAWN -	MMA	REVISED -	
PLOT DATE =	01/25/2018	CHECKED -	RPH	REVISED -	
		DATE -	01/25/2018	REVISED -	

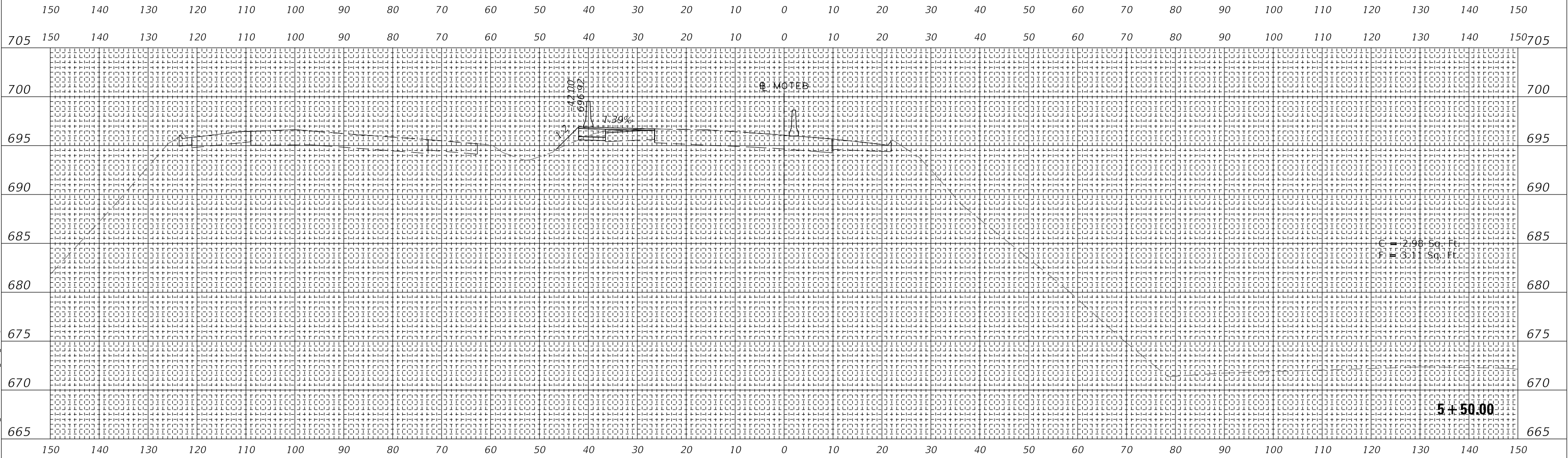
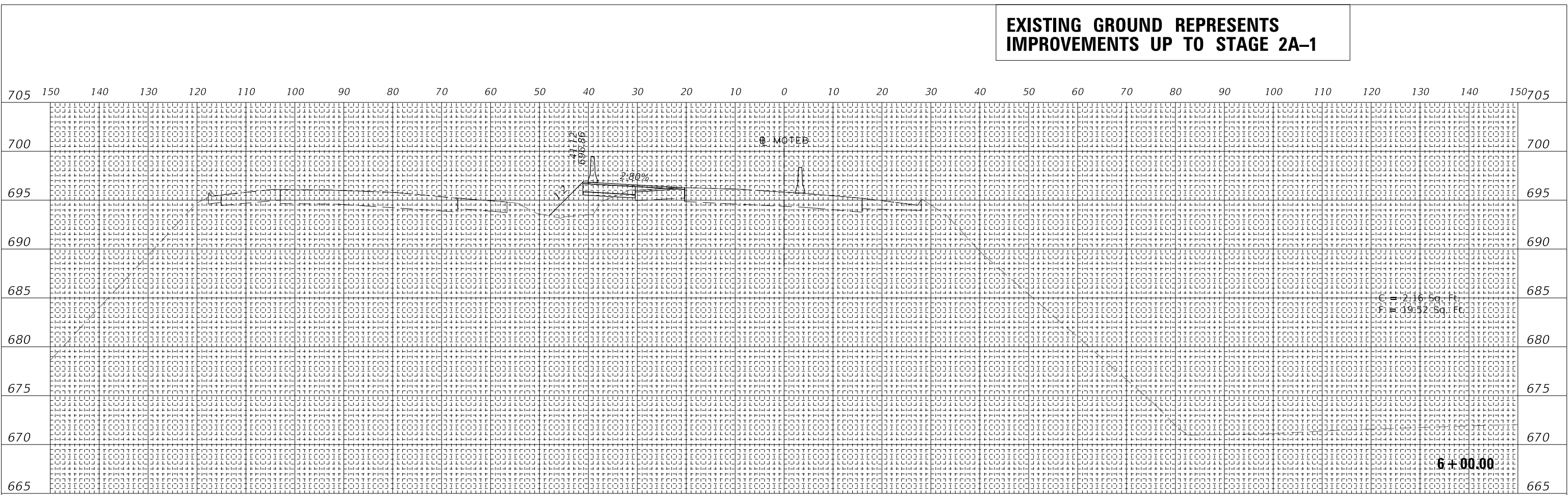
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2A-1 CROSS SECTIONS

SCALE: 1"=10' SHEET 44 OF 151 SHEETS STA. 4+50.00 TO STA. 5+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAT 290	(22-1B-11B)	DUPAGE	402	295
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

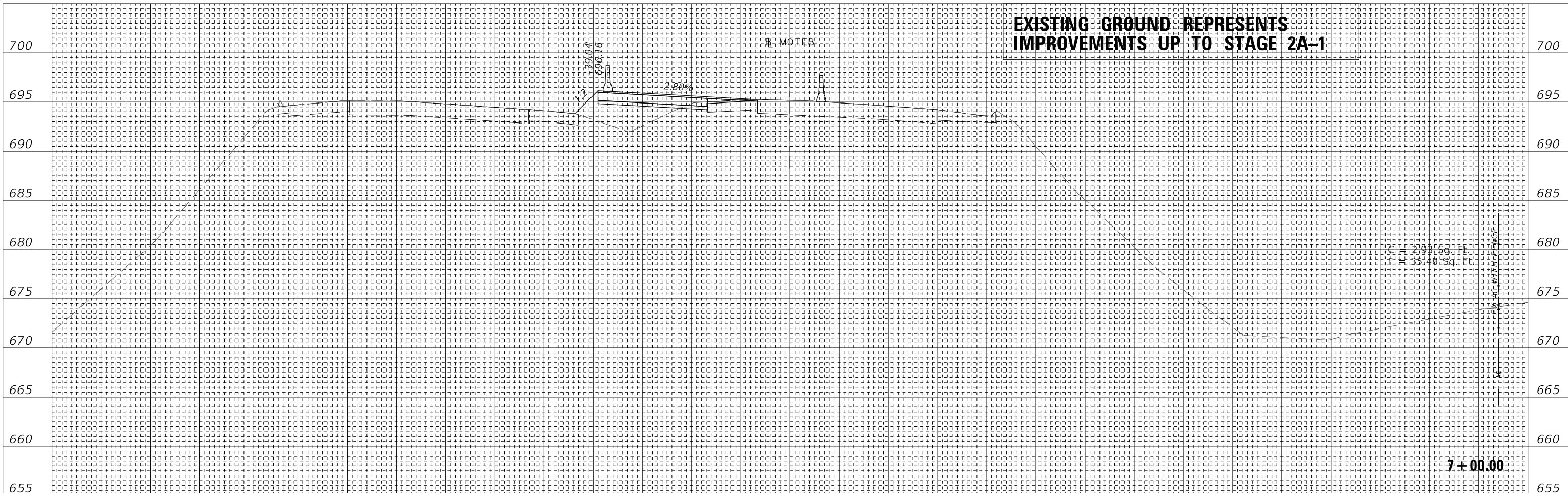
**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 2A-1**



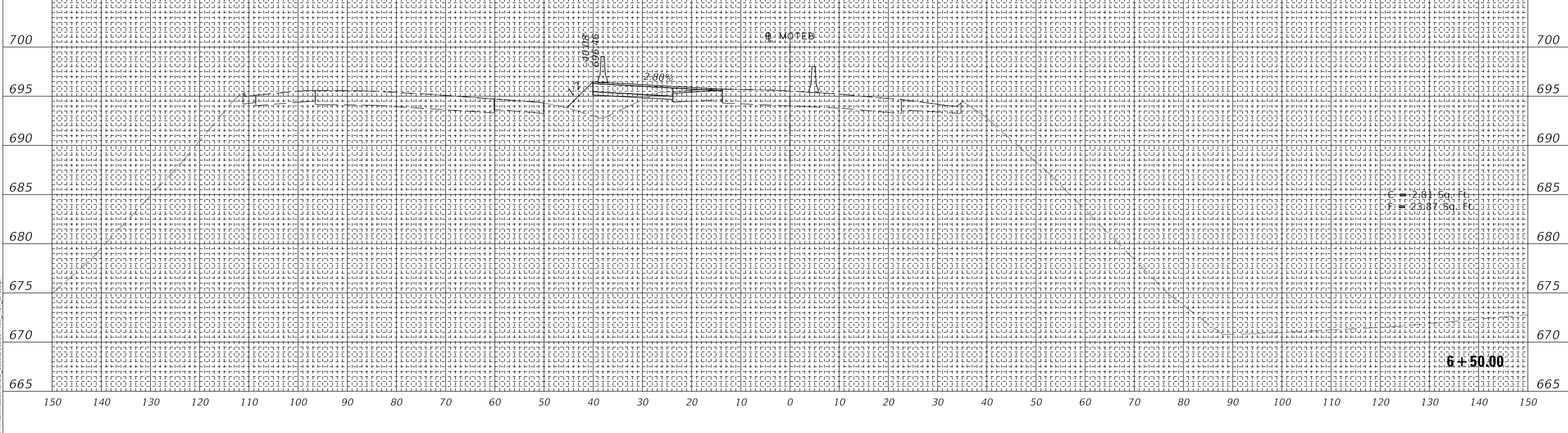
DATE	BY
FINAL SURVEYED SURVEY PLOTTED TEMPLATE	
NOTE BOOK AREAS CHECKED	
NO.	

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

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150 140 130 120 110 100 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

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	DATE

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WSP
WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

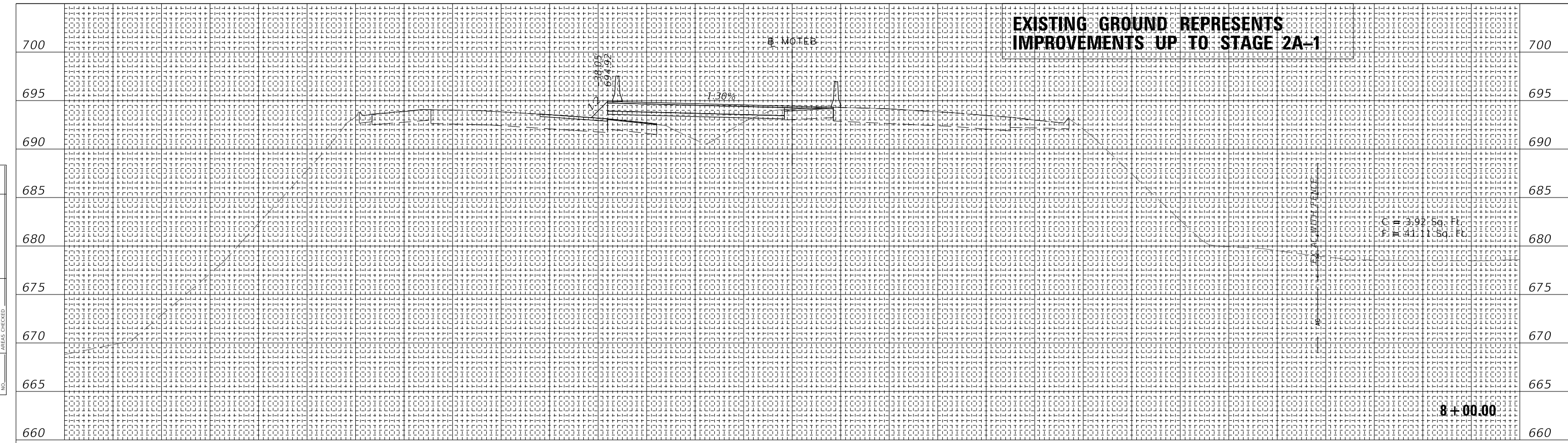
STAGE 2A-1 CROSS SECTIONS

SCALE: 1"=10' SHEET 46 OF 151 SHEETS STA. 6+50.00 TO STA. 7+00.00

F.A. RTE. FAT 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 297
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

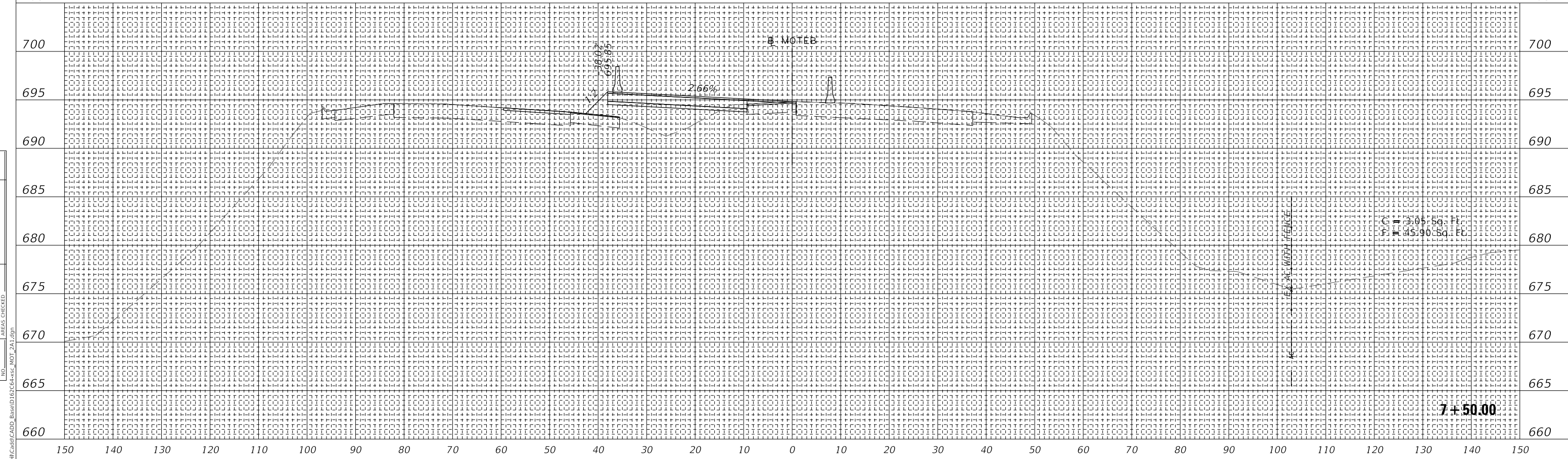
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	



150 140 130 120 110 100 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

705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705



150 140 130 120 110 100 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

705 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 705

WSP USA Inc.
30 N. LASALLE STREET
SUITE 400
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2A-1 CROSS SECTIONS

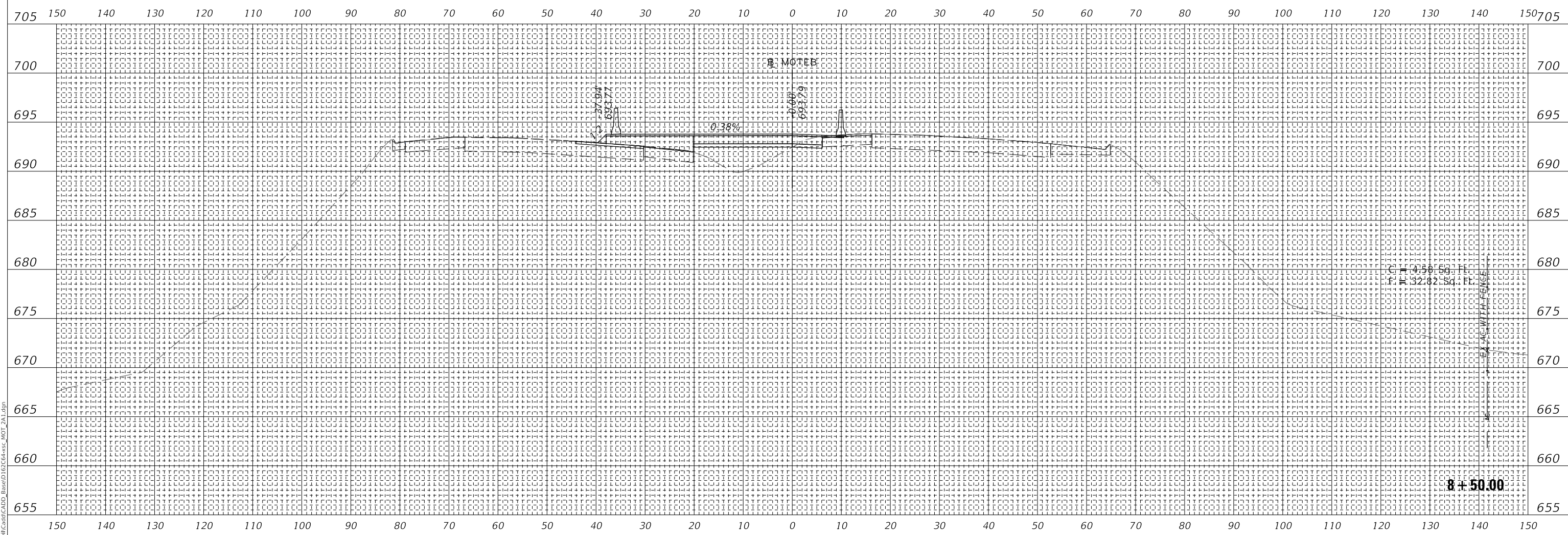
SCALE: 1"=10' SHEET 47 OF 151 SHEETS STA. 7+50.00 TO STA. 8+00.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 298
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

**EXISTING GROUND REPRESENTS
IMPROVEMENTS UP TO STAGE 2A-1**

FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	DATE



MODEL: SHODELNAME5
FILE NAME: T:\169742\169742\CADD_Base\1657C04+SSC_MOT_2A.dgn

wsp
WSP USA Inc.
30 N. LASALLE STREET
SUITE 4000
CHICAGO, IL 60602
TEL: (312) 782-8150
FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2A-1 CROSS SECTIONS

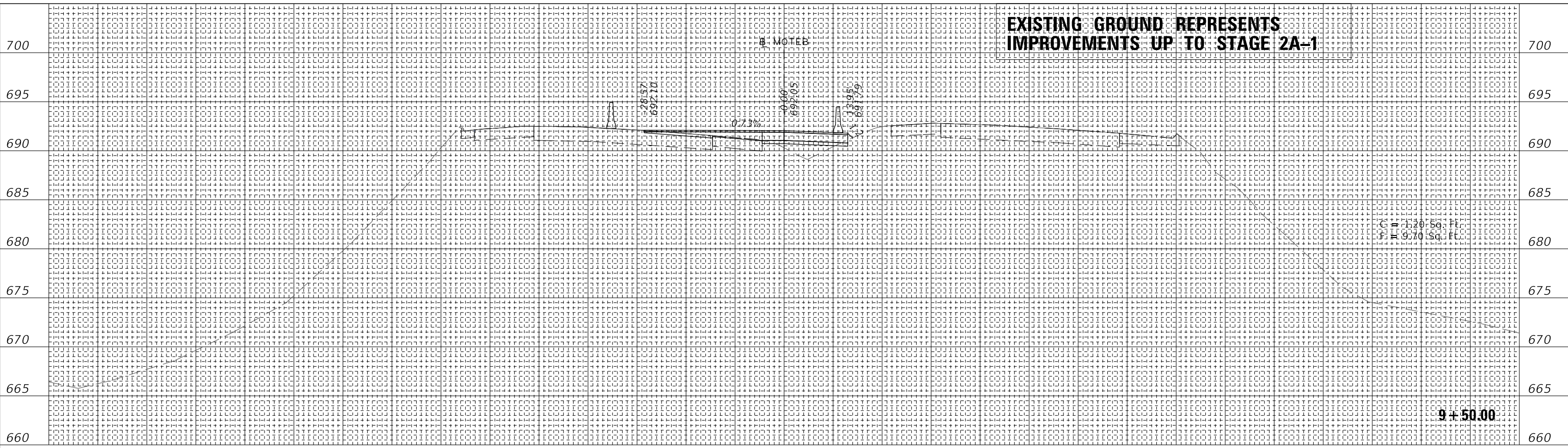
SCALE: 1"=10' SHEET 48 OF 151 SHEETS STA. 8+50.00 TO STA. 8+50.00

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 299
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	

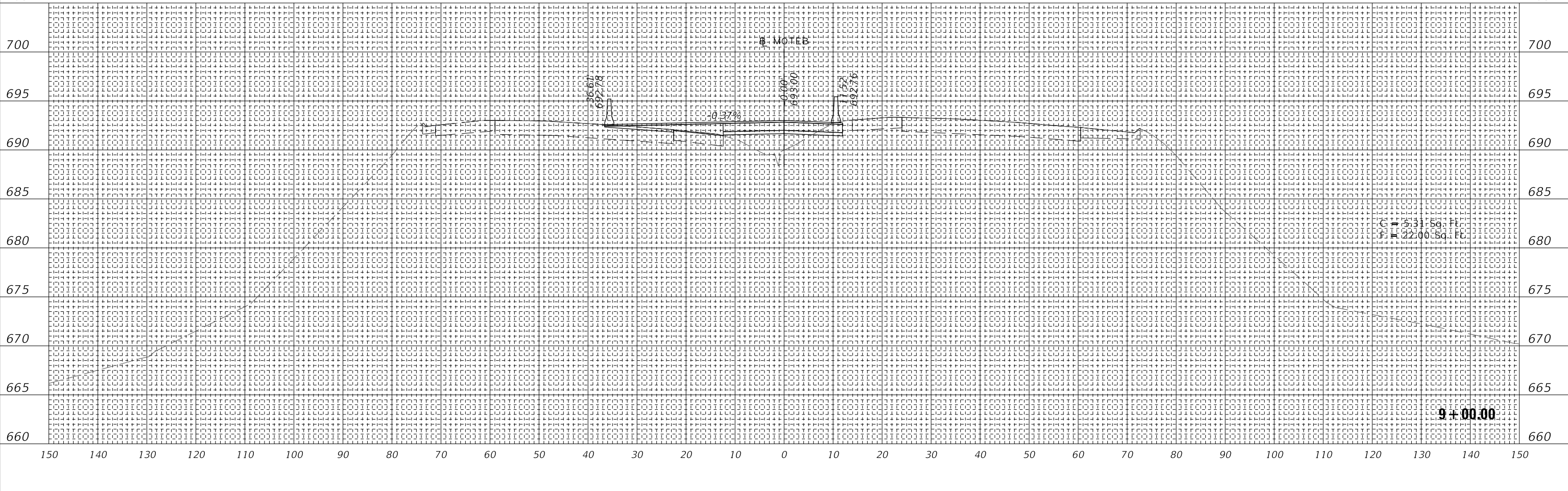
FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

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

MODEL: SHODELNAME.S
FILE NAME: T:\16947AC\16947AC\CADD_Base\16947AC+SSC_MOT_2A1.dgn



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705	150	140	130	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	705



150	140	130	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		
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WSP
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FAX: (312) 782-1684

USER NAME = ahmedmm	DESIGNED - MMA	REVISED -
PLOT SCALE = 1"=10'	DRAWN - MMA	REVISED -
PLOT DATE = 01/25/2018	CHECKED - RPH	REVISED -
	DATE - 01/25/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=10' SHEET 49 OF 151 SHEETS STA. 9+00.00 TO STA. 9+50.00

STAGE 2A-1 CROSS SECTIONS

F.A. RTE. 290	SECTION (22-1B-1B)	COUNTY DUPAGE	TOTAL SHEETS 402	SHEET NO. 300
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C24	