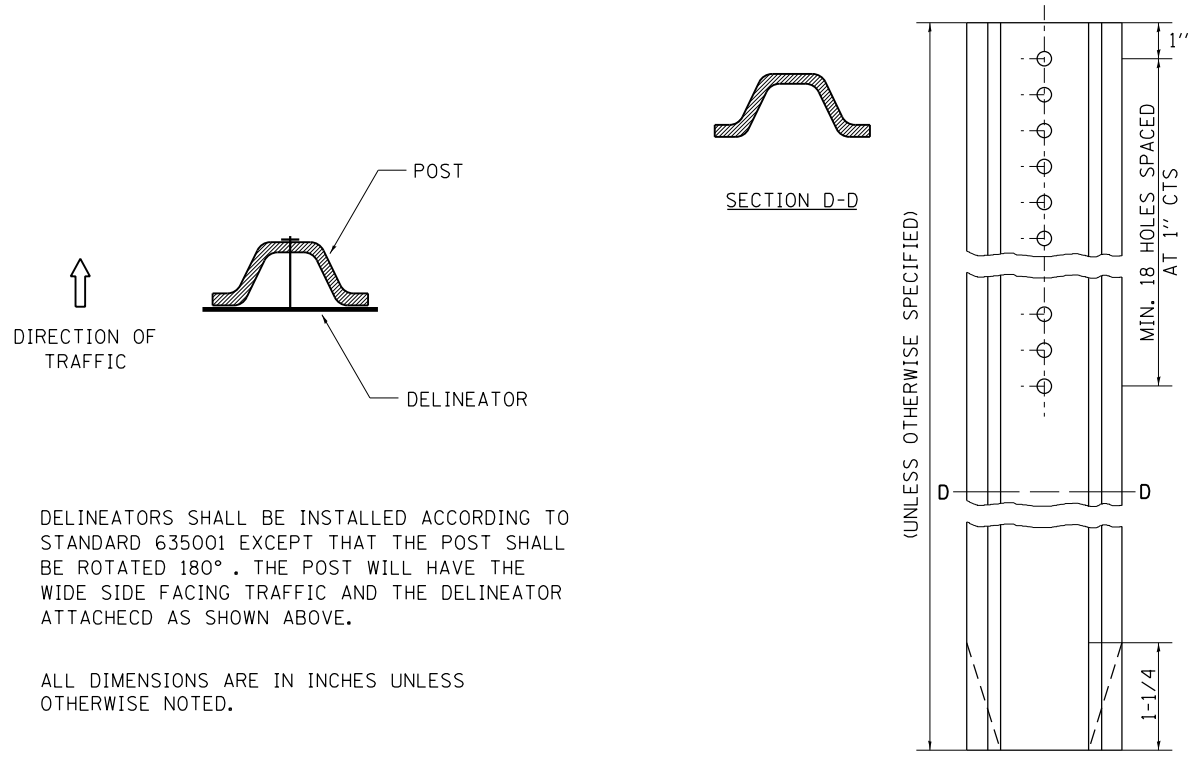


# DELINEATOR AND POST ORIENTATION



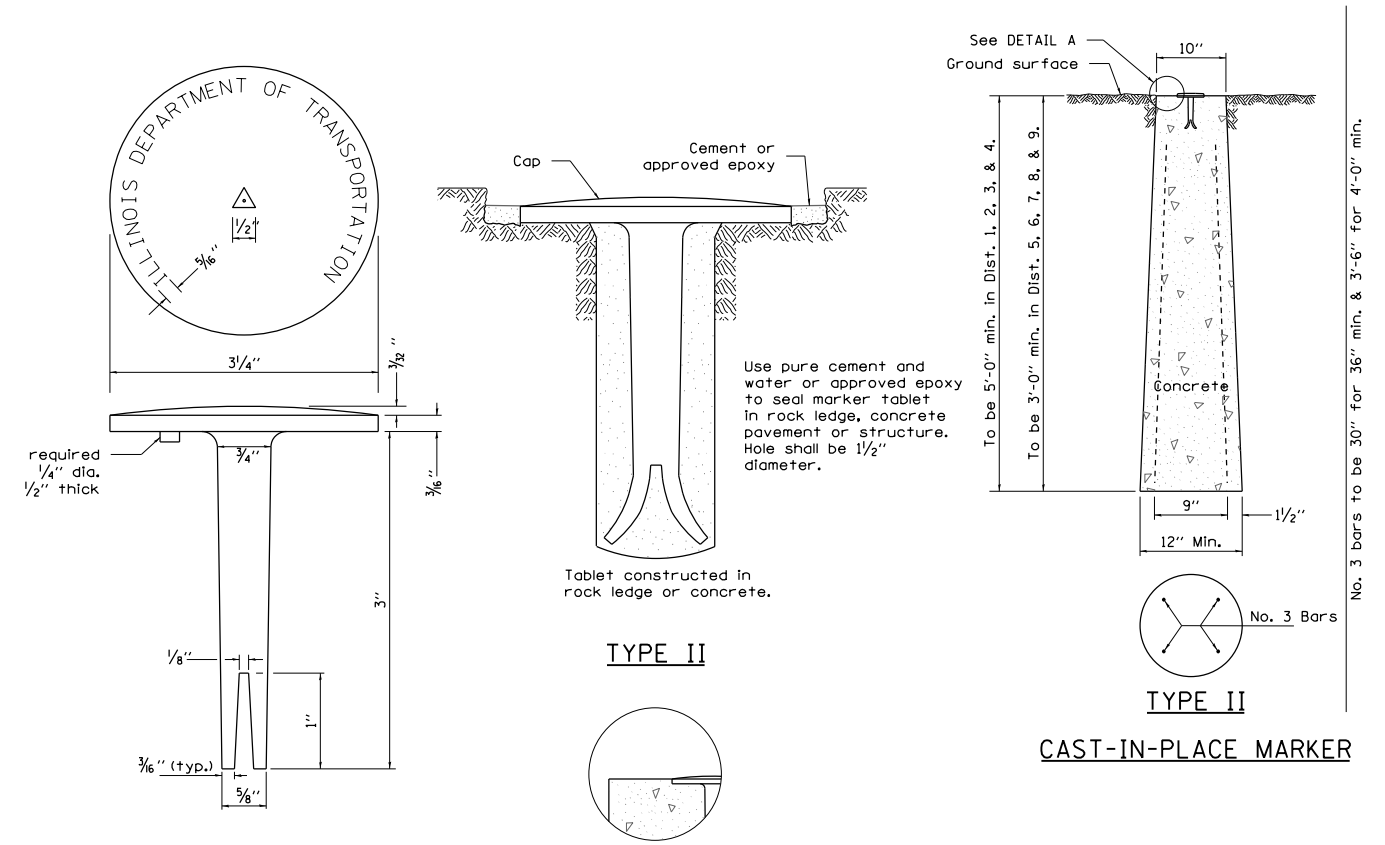
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

DELINEATOR AND POST ORIENTATION 37.4

# PERMANENT SURVEY MARKERS, TYPE II

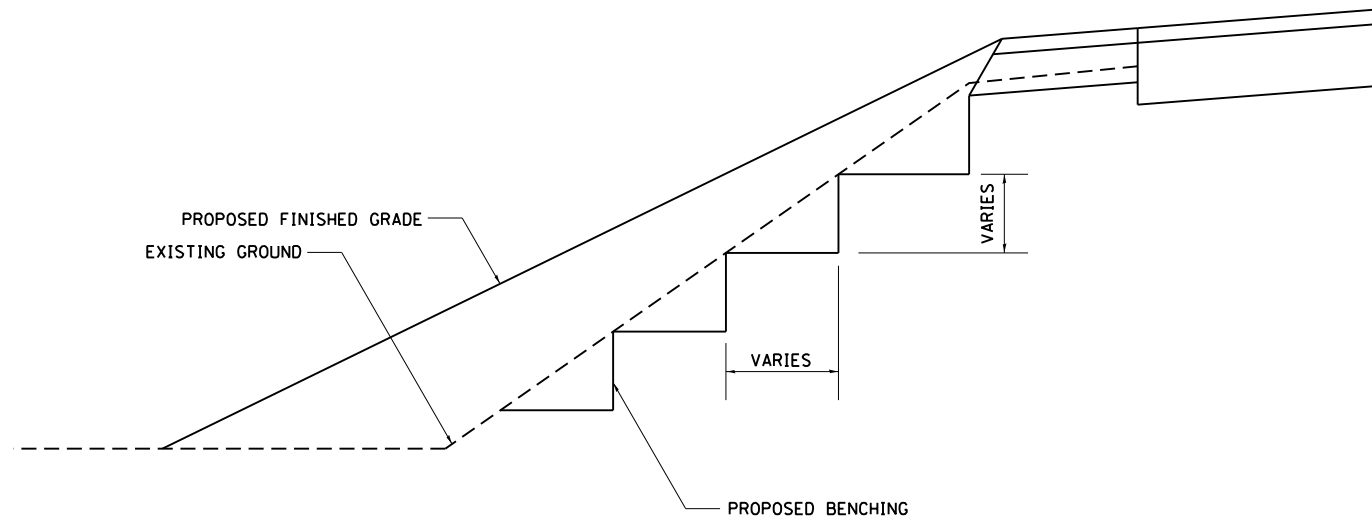


BRASS OR ALUMINUM TABLET

DETAIL A

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

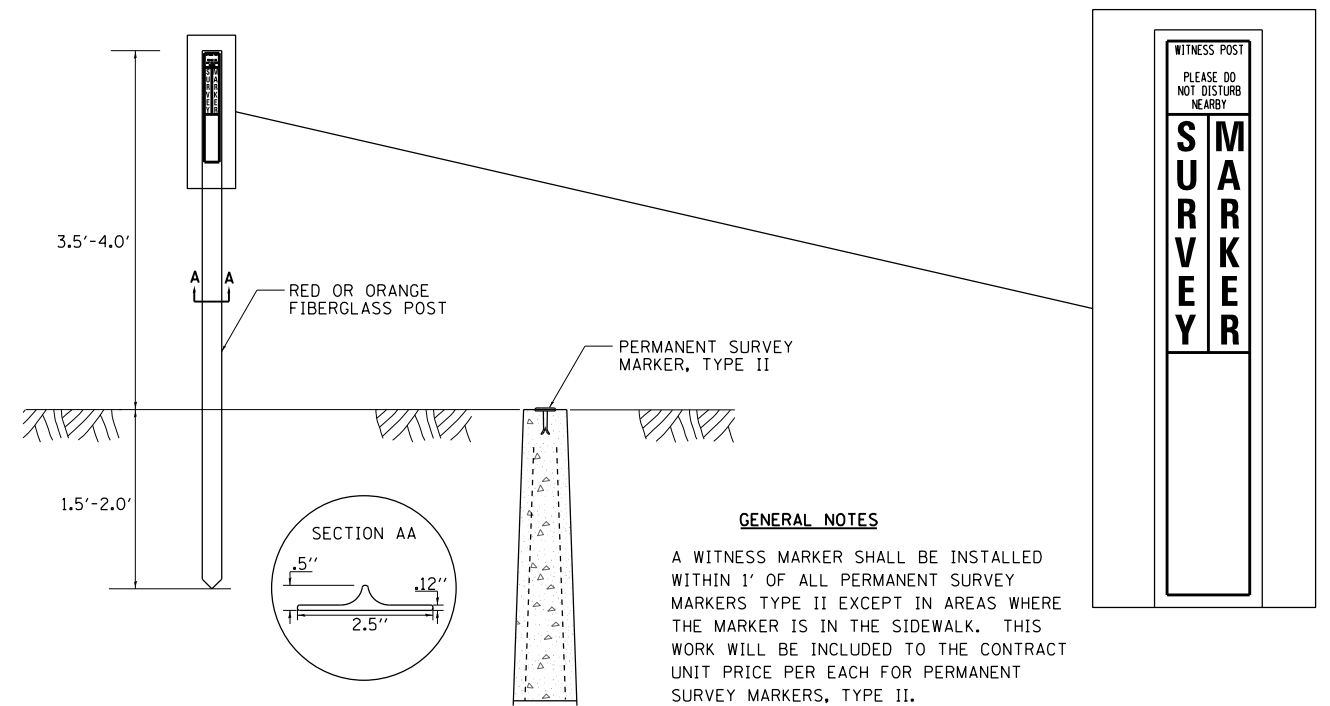
# TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

# WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



REVISED - 6-27-14  
REVISED - 10-14-11

**GENERAL NOTES**

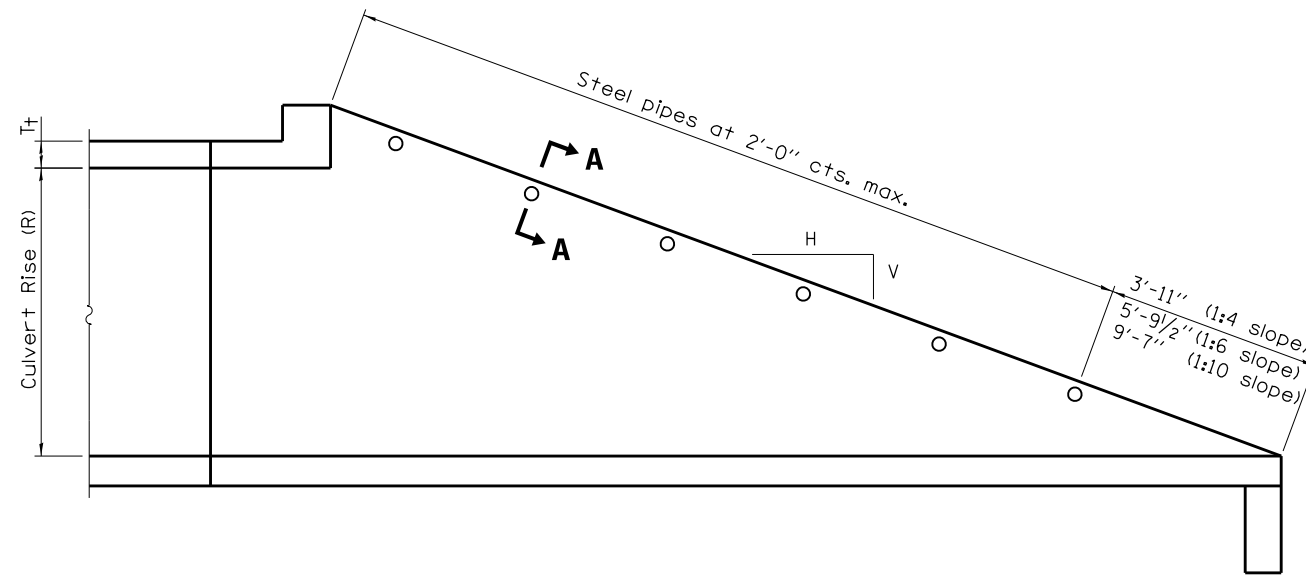
A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

PERMANENT SURVEY MARKERS, TYPE II 66.2

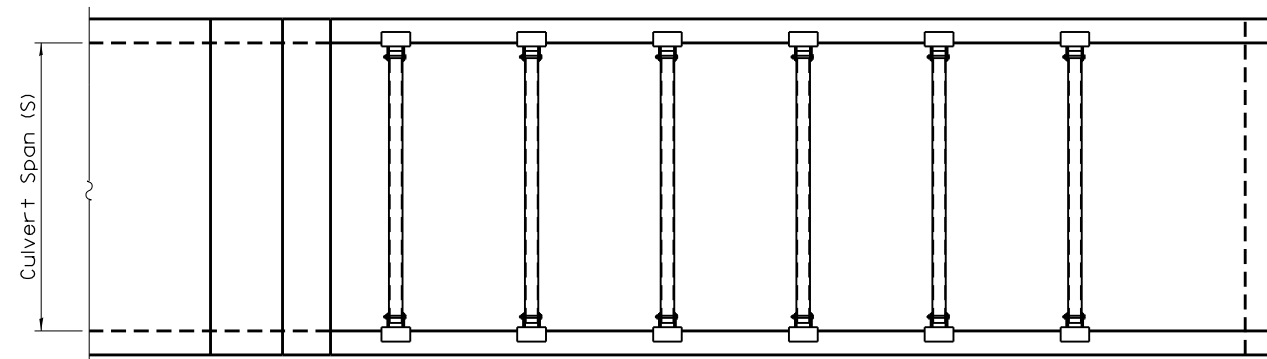
FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS Ph 1-11\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-detail-02.dgn  
PLOT DATE = 6/12/2020

REVISED -	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
REVISED -				301	4-HBR	WINNEBAGO	148	101	
REVISED -				CONTRACT NO. 64A08					
REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
SCALE:	SHEET NO. 2 OF 19 SHEETS	STA.	TO STA.						

# TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE



**LONGITUDINAL SECTION**



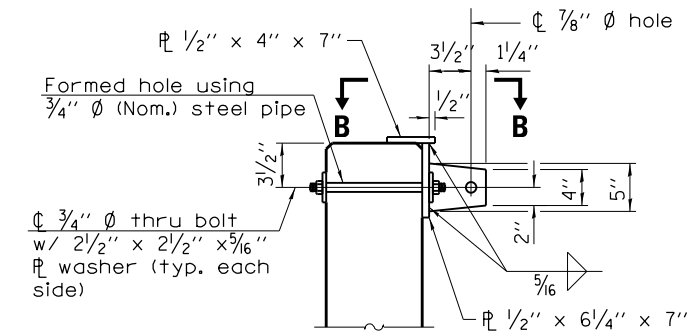
**PLAN VIEW**

## GENERAL NOTES

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise.

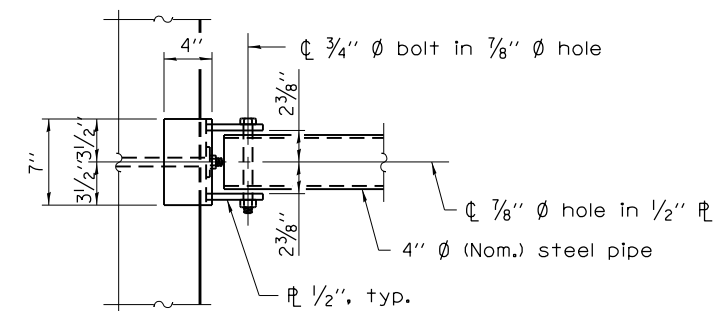
This standard shall only be used on concrete end sections for parallel drainage structures.

The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completely filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/3 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.



**SECTION A-A**

(4" Ø pipe not shown for clarity.)



**VIEW B-B**

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-IT\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-details-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 5-09-14
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. 3 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	102
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

**PIPE GRATE SCHEDULE FOR PARALLEL BOX CULVERTS**

(<2 FT COVER)							
BOX SIZE		SLOPE OF END SECTION					
		1:4		1:6		1:10	
SPAN (FT.)	RISE (FT.)	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
3	2	5 @ 2'-7"	12'-11"	8 @ 2'-7"	20'-8"	12 @ 2'-7"	31'-0"
3	3	7 @ 2'-7"	18'-1"	11 @ 2'-7"	28'-5"	17 @ 2'-7"	43'-11"
4	2	5 @ 3'-7"	17'-11"	8 @ 3'-7"	28'-8"	13 @ 3'-7"	46'-7"
4	3	8 @ 3'-7"	28'-8"	11 @ 3'-7"	39'-5"	18 @ 3'-7"	64'-6"
4	4	10 @ 3'-7"	35'-10"	14 @ 3'-7"	50'-2"	23 @ 3'-7"	82'-5"
5	2	6 @ 4'-7"	27'-6"	8 @ 4'-7"	36'-8"	13 @ 4'-7"	59'-7"
5	3	8 @ 4'-7"	36'-8"	11 @ 4'-7"	50'-5"	18 @ 4'-7"	82'-6"
5	4	10 @ 4'-7"	45'-10"	14 @ 4'-7"	64'-2"	23 @ 4'-7"	105'-5"
5	5	12 @ 4'-7"	55'-0"	17 @ 4'-7"	77'-11"	28 @ 4'-7"	128'-4"
6	2	6 @ 5'-7"	33'-6"	8 @ 5'-7"	44'-8"	13 @ 5'-7"	72'-7"
6	3	8 @ 5'-7"	44'-8"	11 @ 5'-7"	61'-5"	18 @ 5'-7"	100'-6"
6	4	10 @ 5'-7"	55'-10"	14 @ 5'-7"	78'-2"	23 @ 5'-7"	128'-5"
6	5	12 @ 5'-7"	67'-0"	17 @ 5'-7"	94'-11"	28 @ 5'-7"	156'-4"
6	6	14 @ 5'-7"	78'-2"	20 @ 5'-7"	111'-8"	33 @ 5'-7"	184'-3"
7	2	6 @ 6'-7"	39'-6"	8 @ 6'-7"	52'-8"	13 @ 6'-7"	85'-7"
7	3	8 @ 6'-7"	52'-8"	11 @ 6'-7"	72'-5"	18 @ 6'-7"	118'-6"
7	4	10 @ 6'-7"	65'-10"	14 @ 6'-7"	92'-2"	23 @ 6'-7"	151'-5"
7	5	12 @ 6'-7"	79'-0"	17 @ 6'-7"	111'-11"	28 @ 6'-7"	184'-4"
7	6	14 @ 6'-7"	92'-2"	20 @ 6'-7"	131'-8"	33 @ 6'-7"	217'-3"
7	7	16 @ 6'-7"	105'-4"	23 @ 6'-7"	151'-5"	38 @ 6'-7"	250'-2"
8	2	6 @ 7'-7"	45'-6"	8 @ 7'-7"	60'-8"	13 @ 7'-7"	98'-7"
8	3	8 @ 7'-7"	60'-8"	11 @ 7'-7"	83'-5"	18 @ 7'-7"	136'-6"
8	4	10 @ 7'-7"	75'-10"	14 @ 7'-7"	106'-2"	23 @ 7'-7"	174'-5"
8	5	12 @ 7'-7"	91'-0"	17 @ 7'-7"	128'-11"	28 @ 7'-7"	212'-4"
8	6	14 @ 7'-7"	106'-2"	20 @ 7'-7"	151'-8"	33 @ 7'-7"	250'-3"
8	7	16 @ 7'-7"	121'-4"	23 @ 7'-7"	174'-5"	38 @ 7'-7"	288'-2"
8	8	18 @ 7'-7"	136'-6"	26 @ 7'-7"	197'-2"	43 @ 7'-7"	326'-1"
9	2	6 @ 8'-7"	51'-6"	8 @ 8'-7"	68'-8"	13 @ 8'-7"	111'-7"
9	3	8 @ 8'-7"	68'-8"	11 @ 8'-7"	94'-5"	18 @ 8'-7"	154'-6"
9	4	10 @ 8'-7"	85'-10"	14 @ 8'-7"	120'-2"	23 @ 8'-7"	197'-5"
9	5	12 @ 8'-7"	103'-0"	17 @ 8'-7"	145'-11"	28 @ 8'-7"	240'-4"
9	6	14 @ 8'-7"	120'-2"	20 @ 8'-7"	171'-8"	33 @ 8'-7"	283'-3"
9	7	16 @ 8'-7"	137'-4"	23 @ 8'-7"	197'-5"	38 @ 8'-7"	326'-2"
9	8	18 @ 8'-7"	154'-6"	26 @ 8'-7"	223'-2"	43 @ 8'-7"	369'-1"
9	9	20 @ 8'-7"	171'-8"	30 @ 8'-7"	257'-6"	48 @ 8'-7"	412'-0"
10	2	6 @ 9'-7"	57'-6"	9 @ 9'-7"	86'-3"	14 @ 9'-7"	134'-2"
10	3	8 @ 9'-7"	76'-8"	12 @ 9'-7"	115'-0"	19 @ 9'-7"	182'-1"
10	4	10 @ 9'-7"	95'-10"	15 @ 9'-7"	143'-9"	24 @ 9'-7"	230'-0"
10	5	12 @ 9'-7"	115'-0"	18 @ 9'-7"	172'-6"	29 @ 9'-7"	277'-11"
10	6	14 @ 9'-7"	134'-2"	21 @ 9'-7"	201'-3"	34 @ 9'-7"	325'-10"
10	7	16 @ 9'-7"	153'-4"	24 @ 9'-7"	230'-0"	39 @ 9'-7"	373'-9"
10	8	18 @ 9'-7"	172'-6"	27 @ 9'-7"	258'-9"	44 @ 9'-7"	421'-8"
10	9	20 @ 9'-7"	191'-8"	30 @ 9'-7"	287'-5"	49 @ 9'-7"	469'-7"
10	10	22 @ 9'-7"	210'-10"	33 @ 9'-7"	316'-3"	54 @ 9'-7"	517'-6"

**PIPE GRATE SCHEDULE FOR PARALLEL BOX CULVERTS**

(<2 FT COVER)							
BOX SIZE		SLOPE OF END SECTION					
		1:4		1:6		1:10	
SPAN (FT.)	RISE (FT.)	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
11	2	6 @ 10'-7"	63'-6"	9 @ 10'-7"	95'-3"	14 @ 10'-7"	148'-2"
11	3	8 @ 10'-7"	84'-8"	12 @ 10'-7"	127'-0"	19 @ 10'-7"	201'-1"
11	4	10 @ 10'-7"	105'-10"	15 @ 10'-7"	158'-9"	24 @ 10'-7"	254'-0"
11	6	14 @ 10'-7"	148'-2"	21 @ 10'-7"	222'-3"	34 @ 10'-7"	359'-10"
11	8	18 @ 10'-7"	190'-6"	27 @ 10'-7"	285'-9"	44 @ 10'-7"	465'-8"
11	10	23 @ 10'-7"	243'-5"	33 @ 10'-7"	349'-3"	54 @ 10'-7"	571'-6"
11	11	25 @ 10'-7"	264'-7"	36 @ 10'-7"	381'-0"	59 @ 10'-7"	624'-5"
12	2	6 @ 11'-7"	69'-6"	9 @ 11'-7"	104'-3"	15 @ 11'-7"	173'-9"
12	3	8 @ 11'-7"	92'-8"	12 @ 11'-7"	139'-0"	20 @ 11'-7"	231'-8"
12	4	10 @ 11'-7"	115'-10"	15 @ 11'-7"	173'-9"	25 @ 11'-7"	289'-7"
12	6	15 @ 11'-7"	173'-9"	21 @ 11'-7"	243'-3"	35 @ 11'-7"	405'-5"
12	8	19 @ 11'-7"	220'-1"	27 @ 11'-7"	312'-9"	45 @ 11'-7"	521'-3"
12	10	23 @ 11'-7"	266'-5"	33 @ 11'-7"	382'-3"	55 @ 11'-7"	637'-1"
12	12	27 @ 11'-7"	312'-9"	39 @ 11'-7"	451'-9"	65 @ 11'-7"	752'-11"

**PIPE GRATE SCHEDULE FOR PARALLEL BOX CULVERTS**

(>2 FT COVER)							
BOX SIZE		SLOPE OF END SECTION					
		1:4		1:6		1:10	
SPAN (FT.)	RISE (FT.)	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
3	2	5 @ 2'-7"	12'-11"	7 @ 2'-7"	18'-1"	11 @ 2'-7"	28'-5"
3	3	7 @ 2'-7"	18'-1"	10 @ 2'-7"	25'-10"	16 @ 2'-7"	41'-4"
4	2	5 @ 3'-7"	17'-11"	7 @ 3'-7"	25'-1"	12 @ 3'-7"	43'-0"
4	3	7 @ 3'-7"	25'-1"	10 @ 3'-7"	35'-10"	17 @ 3'-7"	60'-11"
4	4	9 @ 3'-7"	32'-3"	13 @ 3'-7"	46'-7"	22 @ 3'-7"	78'-10"
5	2	5 @ 4'-7"	22'-11"	7 @ 4'-7"	32'-1"	12 @ 4'-7"	55'-0"
5	3	7 @ 4'-7"	32'-1"	11 @ 4'-7"	50'-5"	17 @ 4'-7"	77'-11"
5	4	9 @ 4'-7"	41'-3"	14 @ 4'-7"	64'-2"	22 @ 4'-7"	100'-10"
5	5	11 @ 4'-7"	50'-5"	17 @ 4'-7"	77'-11"	27 @ 4'-7"	123'-9"
6	2	5 @ 5'-7"	27'-11"	8 @ 5'-7"	44'-8"	12 @ 5'-7"	67'-0"
6	3	7 @ 5'-7"	39'-1"	11 @ 5'-7"	61'-5"	17 @ 5'-7"	94'-11"
6	4	10 @ 5'-7"	55'-10"	14 @ 5'-7"	78'-2"	23 @ 5'-7"	128'-5"
6	5	12 @ 5'-7"	67'-0"	17 @ 5'-7"	94'-11"	28 @ 5'-7"	156'-4"
6	6	14 @ 5'-7"	78'-2"	20 @ 5'-7"	111'-8"	33 @ 5'-7"	184'-3"

Follow (<2 FT Cover) table for all other sizes

FILE NAME = S:\Projects\2013\JOBS\13-57\_ESCA\_PTB\_169\_ITEM\_23\_D2\_VARIOUS\_Pb\_1-I\I\NO 5 - 20th St over US 26\CADD\CADD Sheets\026408-sht-details-02.dgn  
 PLOT DATE = 6/12/2020

USER NAME = F Nelson	DESIGNED -	REVISED - 5-09-14
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. 4 OF 19 SHEETS STA. TO STA.

F.A.P. RTE. 301	SECTION 4-HBR	COUNTY WINNEBAGO	TOTAL SHEETS 148	SHEET NO. 103
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

# TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

**PIPE GRATE SCHEDULE FOR PARALLEL PIPE CULVERTS 15" THRU 84" DIA.**

Pipe I.D.	SLOPE OF END SECTION					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	3 @ 0'-11"	2'-9"	4 @ 0'-11"	3'-8"	6 @ 0'-11"	5'-6"
18"	3 @ 1'-1"	3'-3"	5 @ 1'-1"	5'-5"	7 @ 1'-1"	7'-7"
21"	4 @ 1'-5"	5'-8"	5 @ 1'-5"	7'-1"	9 @ 1'-5"	12'-9"
24"	5 @ 1'-7"	7'-11"	6 @ 1'-7"	9'-6"	10 @ 1'-7"	15'-10"
30"	6 @ 2'-1"	12'-6"	8 @ 2'-1"	16'-8"	13 @ 2'-1"	27'-1"
36"	7 @ 2'-7"	18'-1"	10 @ 2'-7"	25'-10"	15 @ 2'-7"	38'-9"
42"	8 @ 3'-1"	24'-8"	11 @ 3'-1"	33'-11"	18 @ 3'-1"	55'-6"
48"	9 @ 3'-7"	32'-3"	13 @ 3'-7"	46'-7"	21 @ 3'-7"	75'-3"
54"	10 @ 4'-1"	40'-10"	14 @ 4'-1"	57'-2"	23 @ 4'-1"	93'-11"
60"	11 @ 4'-7"	50'-5"	15 @ 4'-7"	68'-9"	25 @ 4'-7"	114'-7"
66"	12 @ 5'-1"	61'-0"	17 @ 5'-1"	86'-5"	28 @ 5'-1"	142'-4"
72"	13 @ 5'-7"	72'-7"	18 @ 5'-7"	100'-6"	30 @ 5'-7"	167'-6"
78"	14 @ 6'-1"	85'-2"	20 @ 6'-1"	121'-8"	33 @ 6'-1"	200'-9"
84"	15 @ 6'-7"	98'-9"	21 @ 6'-7"	138'-3"	35 @ 6'-7"	230'-5"

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-1\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-detail-02.dgn  
 PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 5-09-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / 1"	DRAWN -	REVISED -			301	4-HBR	WINNEBAGO	148	104
PLOT DATE = 6/12/2020	CHECKED -	REVISED -			CONTRACT NO. 64A08				
DATE = 6/12/2020	DATE = 6/12/2020	REVISED -			SCALE:	SHEET NO. 5 OF 19 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

# TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

**PIPE GRATE SCHEDULE FOR PARALLEL PIPE ARCH CULVERTS 15" THRU 84" DIA.**

SLOPE OF END SECTION						
Pipe I.D.	Table IIA, Corrugation : 2 2/3" x 1/2"					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	2 @ 1'-1"	2'-2"	3 @ 1'-1"	3'-3"	5 @ 1'-1"	5'-5"
18"	3 @ 1'-5"	4'-3"	4 @ 1'-5"	5'-8"	6 @ 1'-5"	8'-6"
21"	3 @ 1'-7"	4'-9"	5 @ 1'-7"	7'-11"	7 @ 1'-7"	11'-1"
24"	4 @ 1'-11"	7'-8"	5 @ 1'-11"	9'-7"	8 @ 1'-11"	15'-4"
30"	4 @ 2'-7"	10'-4"	6 @ 2'-7"	15'-6"	10 @ 2'-7"	25'-10"
36"	5 @ 3'-1"	15'-5"	7 @ 3'-1"	21'-7"	12 @ 3'-1"	37'-0"
42"	6 @ 3'-9"	22'-6"	9 @ 3'-9"	33'-9"	14 @ 3'-9"	52'-6"
48"	7 @ 4'-5"	30'-11"	10 @ 4'-5"	44'-2"	16 @ 4'-5"	70'-8"
54"	8 @ 4'-11"	39'-4"	11 @ 4'-11"	54'-1"	18 @ 4'-11"	88'-6"
60"	8 @ 5'-7"	44'-8"	12 @ 5'-7"	67'-0"	20 @ 5'-7"	111'-8"
66"	9 @ 6'-1"	54'-9"	13 @ 6'-1"	79'-1"	22 @ 6'-1"	133'-10"
72"	10 @ 6'-7"	65'-10"	15 @ 6'-7"	98'-9"	24 @ 6'-7"	158'-0"
78"	-	-	-	-	-	-
84"	-	-	-	-	-	-

**PIPE GRATE SCHEDULE FOR PARALLEL PIPE ARCH CULVERTS 15" THRU 84" DIA.**

SLOPE OF END SECTION						
Pipe I.D.	Table IIA, Corrugation : 3" x 1"					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	-	-	-	-	-	-
18"	-	-	-	-	-	-
21"	-	-	-	-	-	-
24"	-	-	-	-	-	-
30"	-	-	-	-	-	-
36"	6 @ 2'-11"	17'-6"	8 @ 2'-11"	23'-4"	13 @ 2'-11"	37'-11"
42"	7 @ 3'-5"	23'-11"	10 @ 3'-5"	34'-2"	15 @ 3'-5"	51'-3"
48"	8 @ 4'-1"	32'-8"	11 @ 4'-1"	44'-11"	18 @ 4'-1"	73'-6"
54"	9 @ 4'-7"	41'-3"	12 @ 4'-7"	55'-0"	20 @ 4'-7"	91'-10"
60"	9 @ 5'-1"	45'-9"	14 @ 5'-1"	71'-2"	22 @ 5'-1"	111'-10"
66"	10 @ 5'-9"	57'-6"	15 @ 5'-9"	86'-3"	24 @ 5'-9"	138'-0"
72"	11 @ 6'-5"	70'-7"	16 @ 6'-5"	102'-8"	26 @ 6'-5"	166'-10"
78"	12 @ 6'-11"	83'-0"	17 @ 6'-11"	117'-7"	28 @ 6'-11"	193'-8"
84"	12 @ 7'-7"	91'-0"	18 @ 7'-7"	136'-6"	30 @ 7'-7"	227'-6"

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-1\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-details-02.dgn  
 PLOT DATE = 6/12/2020

USER NAME = FNelson DESIGNED - DRAWN - PLOT SCALE = 100.0000' / 1"	DESIGNED - DRAWN - CHECKED - DATE = 6/12/2020	REVISED - 5-09-14 REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	SCALE: SHEET NO. 6 OF 19 SHEETS STA. TO STA.	F.A.P. RTE. 301 SECTION 4-HBR COUNTY WINNEBAGO TOTAL SHEETS 148 SHEET NO. 105 CONTRACT NO. 64A08	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
---	--	--	---	---------------------------------------	--	---	--

# TRAVERSABLE PIPE GRATE FOR PARALLEL DRAINAGE STRUCTURE

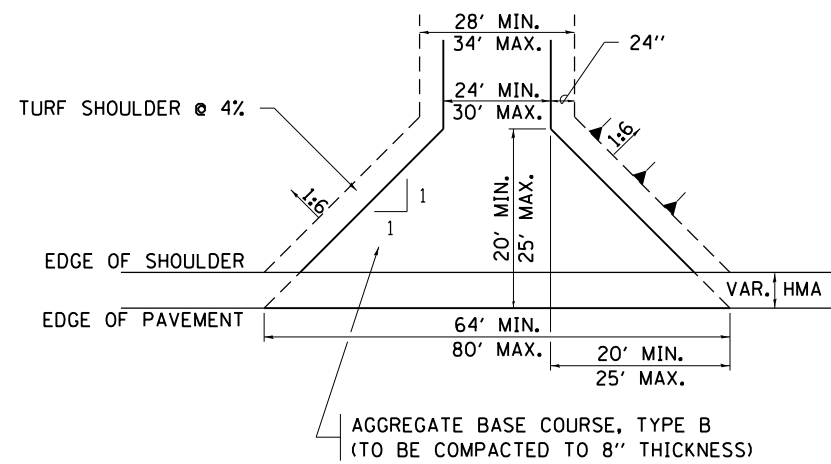
**PIPE GRATE SCHEDULE FOR PARALLEL ELLIPTICAL PIPE CULVERTS 15" THRU 72" DIA.**

Pipe I.D.	SLOPE OF END SECTION					
	1:4		1:6		1:10	
	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe	Pipes No. / Length	Total Length of Pipe
15"	3 @ 2'-7"	7'-9"	5 @ 2'-7"	12'-11"	7 @ 2'-7"	18'-1"
18"	3 @ 2'-7"	7'-9"	5 @ 2'-7"	12'-11"	7 @ 2'-7"	18'-1"
21"	5 @ 3'-3"	16'-3"	7 @ 3'-3"	22'-9"	12 @ 3'-3"	39'-0"
24"	5 @ 3'-3"	16'-3"	7 @ 3'-3"	22'-9"	12 @ 3'-3"	39'-0"
27"	6 @ 3'-7"	21'-6"	8 @ 3'-7"	28'-8"	13 @ 3'-7"	46'-7"
30"	6 @ 3'-11"	23'-6"	9 @ 3'-11"	35'-3"	14 @ 3'-11"	54'-10"
36"	7 @ 4'-7"	32'-1"	10 @ 4'-7"	45'-10"	16 @ 4'-7"	73'-4"
42"	8 @ 5'-5"	43'-4"	11 @ 5'-5"	59'-7"	18 @ 5'-5"	97'-6"
48"	9 @ 6'-1"	54'-9"	13 @ 6'-1"	79'-1"	20 @ 6'-1"	121'-8"
54"	10 @ 6'-9"	67'-6"	14 @ 6'-9"	94'-6"	23 @ 6'-9"	155'-3"
60"	11 @ 7'-7"	83'-5"	15 @ 7'-7"	113'-9"	25 @ 7'-7"	189'-7"
66"	11 @ 8'-3"	90'-9"	17 @ 8'-3"	140'-3"	27 @ 8'-3"	222'-9"
72"	12 @ 8'-11"	107'-0"	18 @ 8'-11"	160'-6"	30 @ 8'-11"	267'-6"

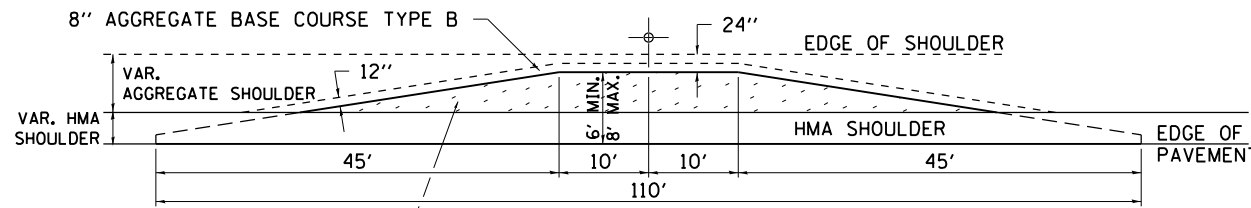
FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-1\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264408-sht-details-02.dgn  
 PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 5-09-14	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -			301	4-HBR	WINNEBAGO	148	106
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -			CONTRACT NO. 64A08				
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -			SCALE:	SHEET NO. 7 OF 19 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

# HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS



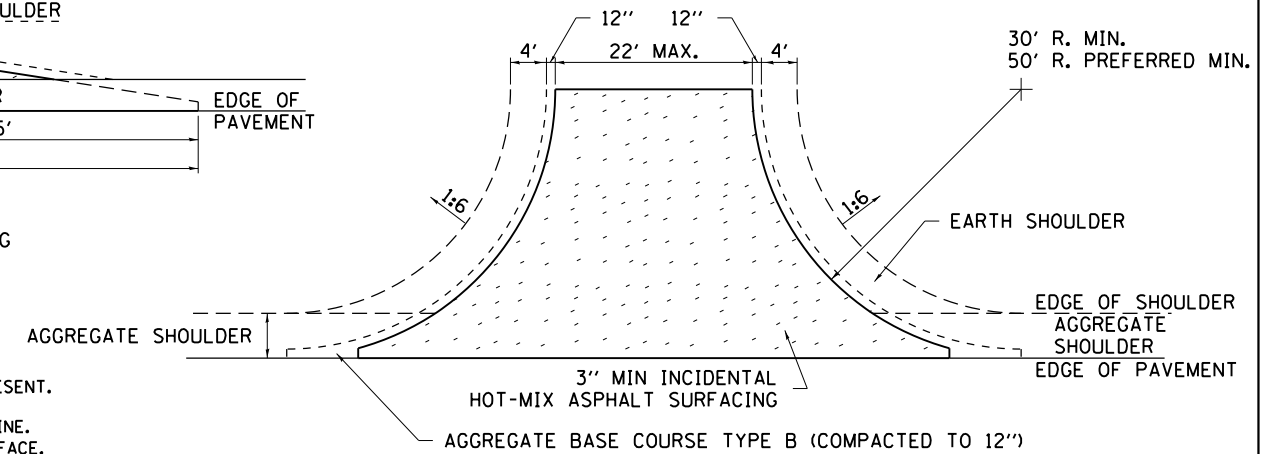
FIELD ENTRANCE



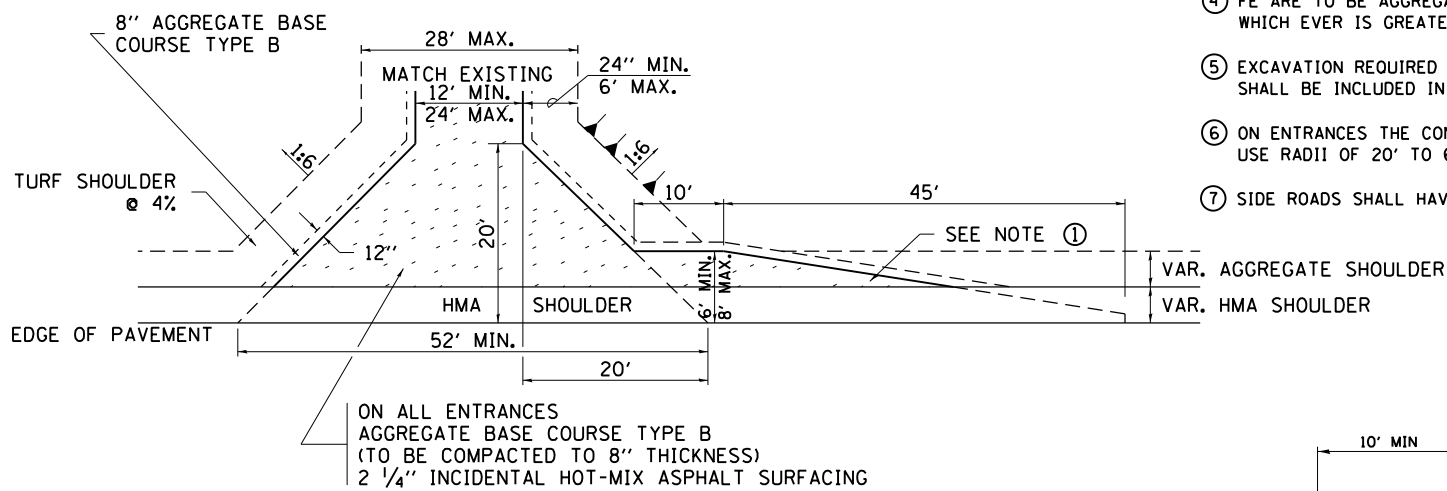
MAILBOX TURNOUT

**NOTE**

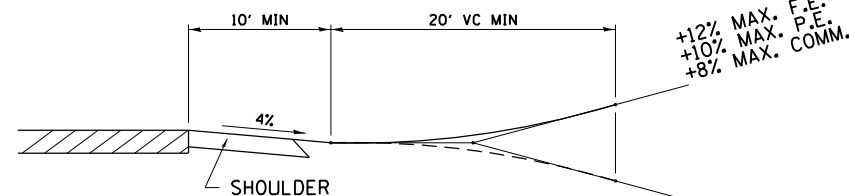
- TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- ALL PE & CE TO BE CONSTRUCTED WITH AN 8" AGGREGATE BASE COURSE, TYPE B AND WITH A 2 1/4" INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
- FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
- EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE.
- ON ENTRANCES THE CONTRACTOR HAS THE OPTION OF USING RADIUS RETURNS. USE RADII OF 20' TO 60'.
- SIDE ROADS SHALL HAVE 3" INCIDENTAL PLACED IN TWO 1 1/2" LIFTS.



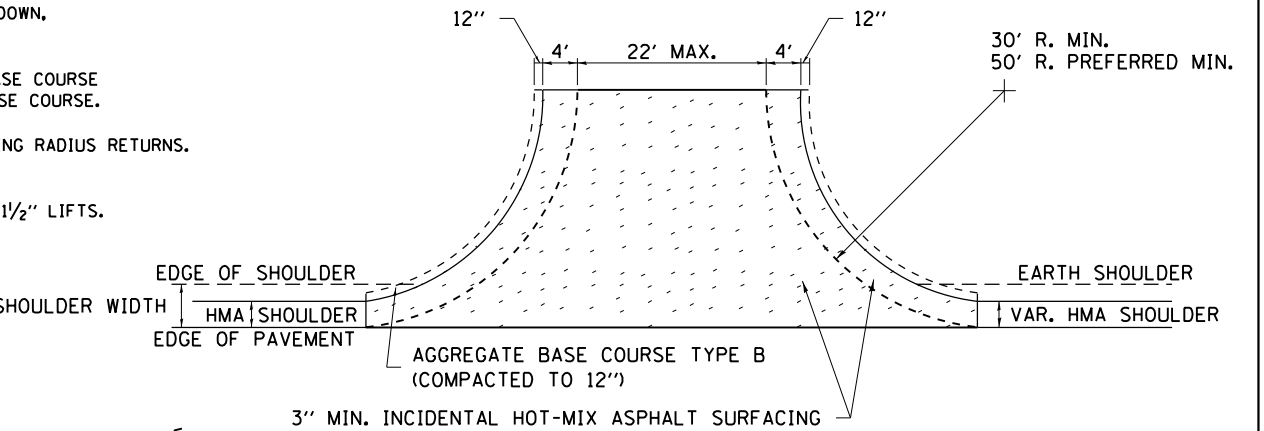
SIDE ROAD RETURN/EARTH SHOULDER



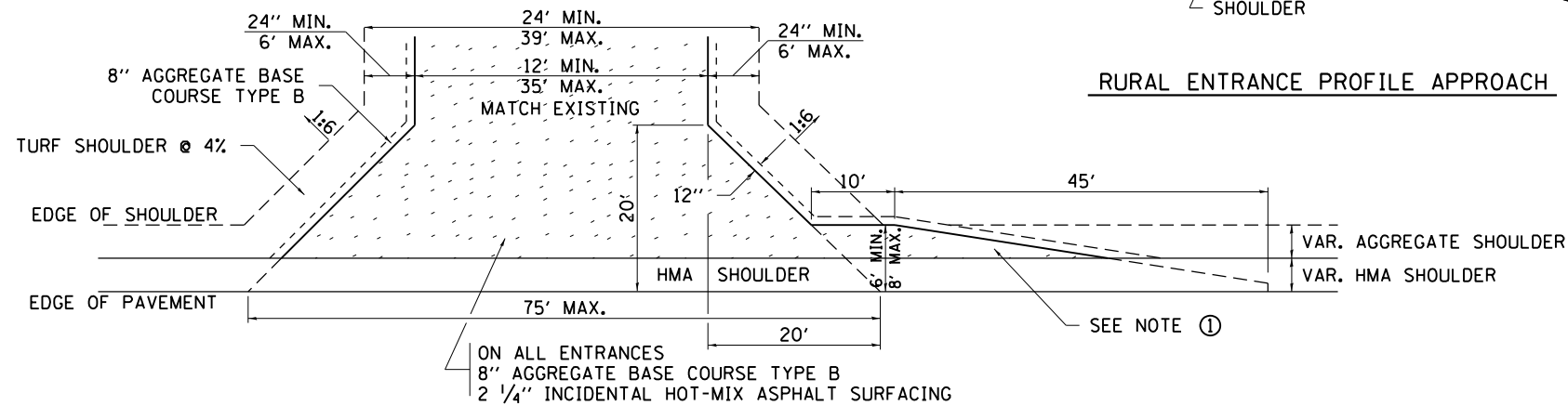
PRIVATE ENTRANCE



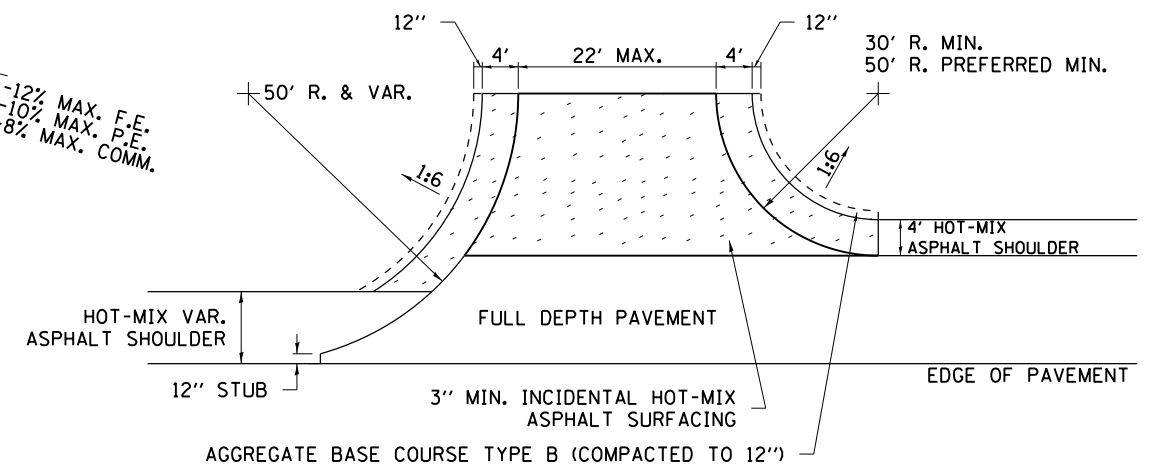
RURAL ENTRANCE PROFILE APPROACH



SIDE ROAD RETURN/HMA SHOULDER



COMMERCIAL ENTRANCE



SIDE ROAD RETURN WITH RIGHT TURN LANE

## HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS

20.1

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-17\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-detailed-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 8-03-17
PLOT SCALE = 100.0000' / 1"	DRAWN -	REVISED - 1-13-17
PLOT DATE = 6/12/2020	CHECKED -	REVISED - 6-27-14
	DATE - 6/12/2020	REVISED - 8-27-13

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. 8 OF 19 SHEETS STA. TO STA.

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	107
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS

## Bill of Materials

h bar	U bar dimensions			U <sub>1</sub> bar dimensions			REINF. BARS	EXPANSION BOLTS 3/4"	CONCRETE COLLAR			
	Quantity	X	Y	Length	Quantity	X				Z	Length	Quantity
12	52	34	120	4	-	-	-	-	40	-	-	1.1
12	52	34	120	4	-	-	-	-	40	-	-	1.1
All h bars 18 Long									Total	80	-	2.2

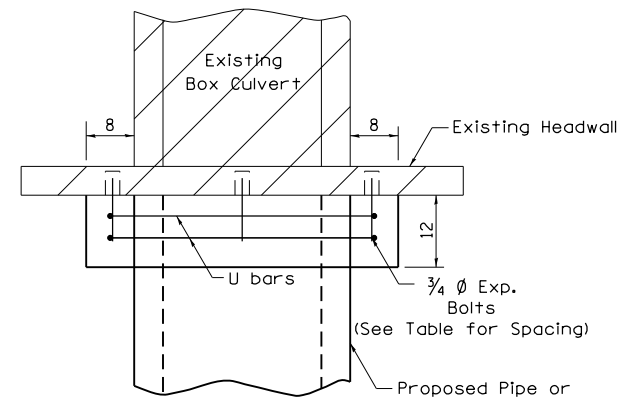
## General Notes

Concrete Collars shall be constructed of Class SI Concrete in accordance with Section 503 of the Standard Specifications

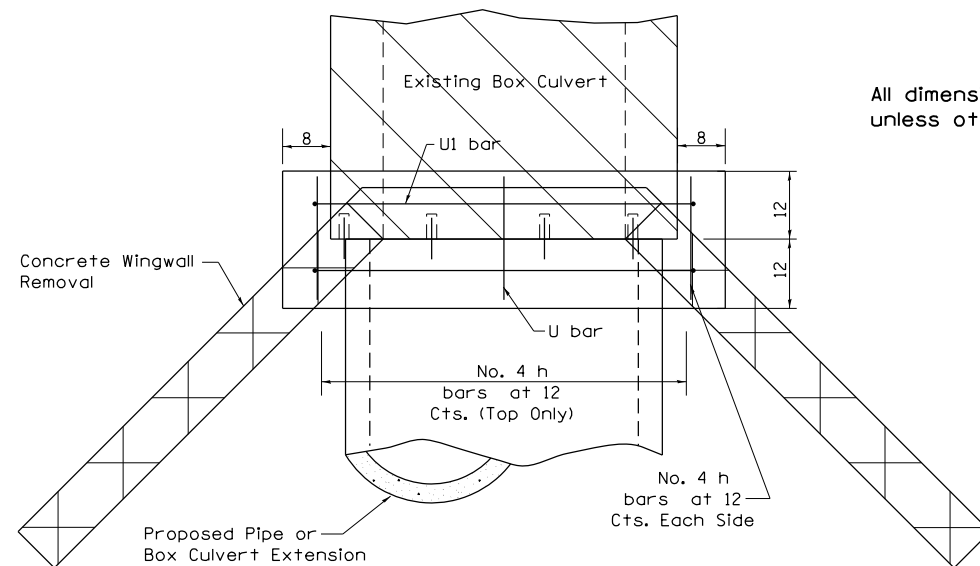
Reinforcement bars shall conform to Section 508 of the Standard Specifications.

Expansion bolts shall be 3/4" hooked bolts and shall conform to Section 540 of the Standard Specifications.

The concrete will be paid for at the contract unit price per cubic yard for CONCRETE COLLAR. Reinforcement will be paid for at the contract unit price per pound for REINFORCEMENT BARS. Expansion Bolts, when required, will be paid for at the contract unit price each for EXPANSION BOLTS 3/4" inch, which price shall include furnishing, drilling holes, and installing the expansion bolts complete in place. These bolts shall extend at least 9 inches into the new concrete.

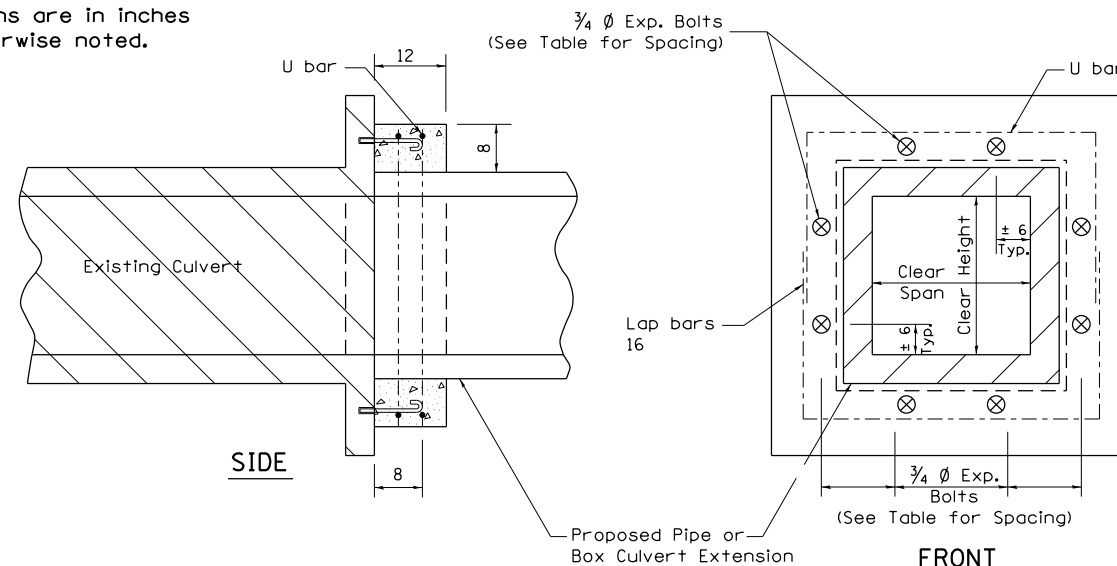


PLAN OF CULVERT WITH STRAIGHT HEADWALL



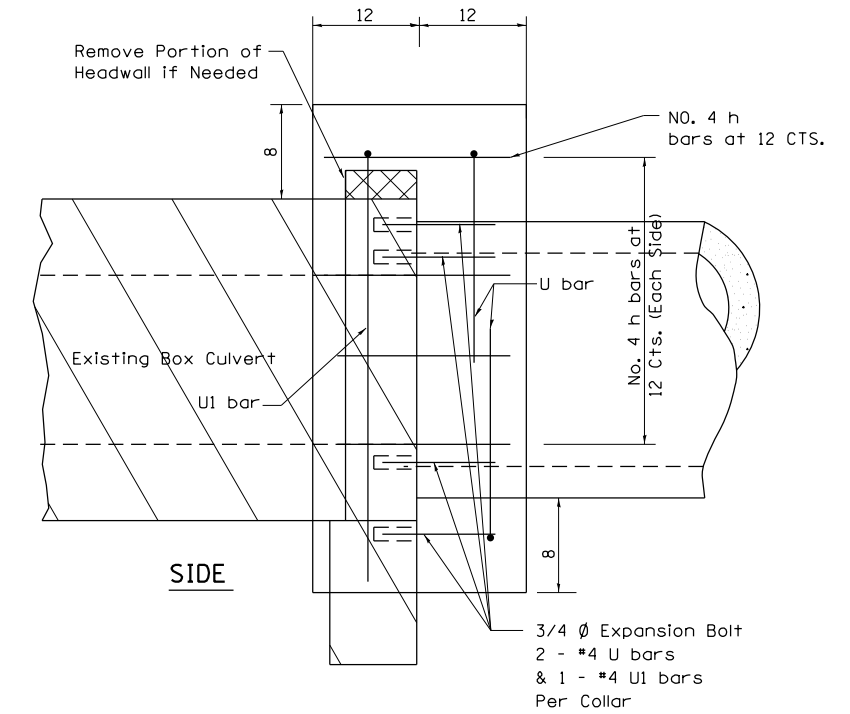
PLAN OF CULVERT WITH ANGLED WING WALLS

All dimensions are in inches unless otherwise noted.



SIDE

FRONT



SIDE

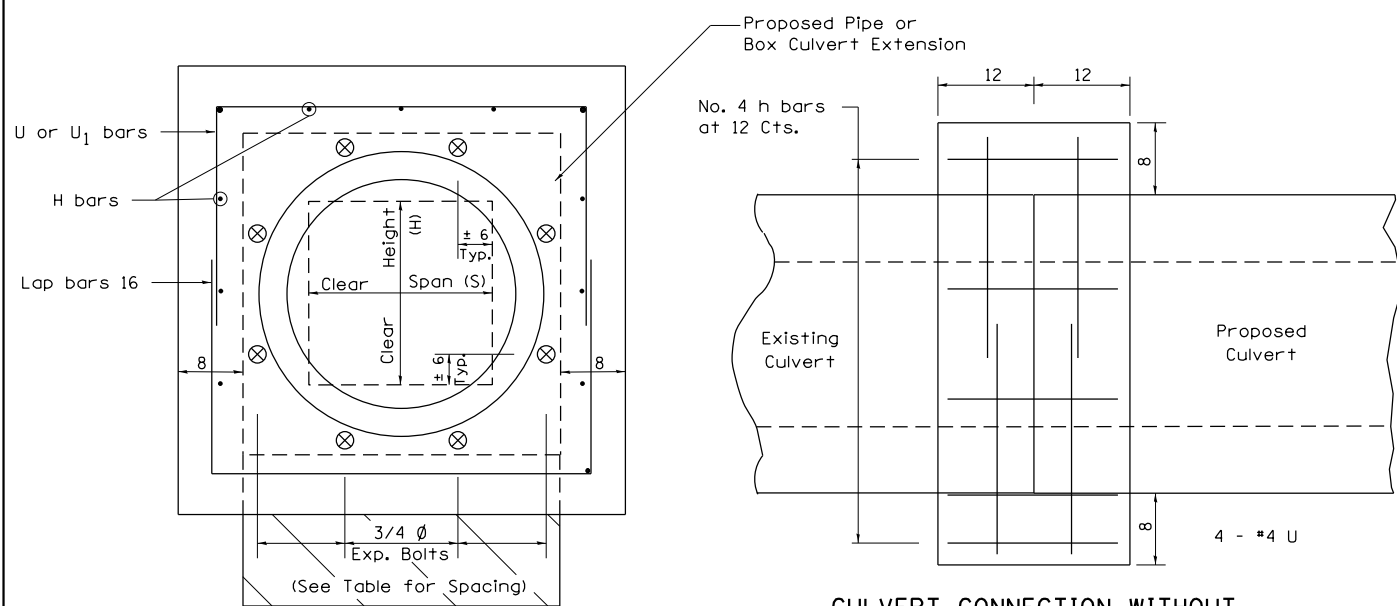
## PLACEMENT DETAILS FOR EXPANSION BOLTS

H or S	NUMBER OF EXPANSION BOLTS REQUIRED PER SIDE			
	EXTENSIONS < 15'		EXTENSIONS > 15'	
	NUMBER *	SPACING	NUMBER *	SPACING
24	**	**	**	**
30	2	18	2	18
36	2	24	2	24
48	3	18	3	18
60	4	16	3	24
72	5	15	4	20
84	5	18	4	24
96	6	17	5	21
108	6	19	5	24
120	7	18	6	21
132	8	17	6	24
144	8	19	7	22

\* Expansion bolts based on non-skewed culverts  
\*\* Minimum one expansion bolt at each corner

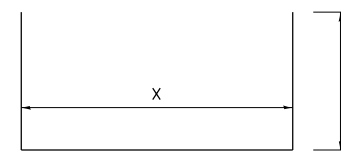
Example:  
6' x 4' box culvert to be extended 18' at one end only.  
From table find  
6' side requires 4 - 3/4" expansion bolts at 20" cts.  
4' side requires 3 - 3/4" expansion bolts at 18" cts.

Total Number required  
(4+3)2 = 14 - 3/4" expansion bolts.

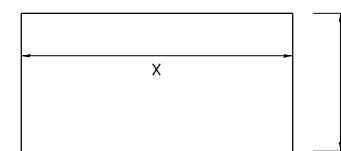


FRONT

CULVERT CONNECTION WITHOUT EXISTING HEADWALL



(\*4) U bar



(\*4) U1 bar

## CONCRETE COLLARS FOR PIPE OR BOX CULVERT EXTENSIONS

33.1

FILE NAME = S:\Projects\2013\JOBS\13-57\_ESCA\_PTB\_169\_ITEM\_23\_D2\_VARIOUS\_Plan\_I-17\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-details-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 1-18-17
	DRAWN -	REVISED - 1-05-16
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - 6-27-14
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED - 10-17-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

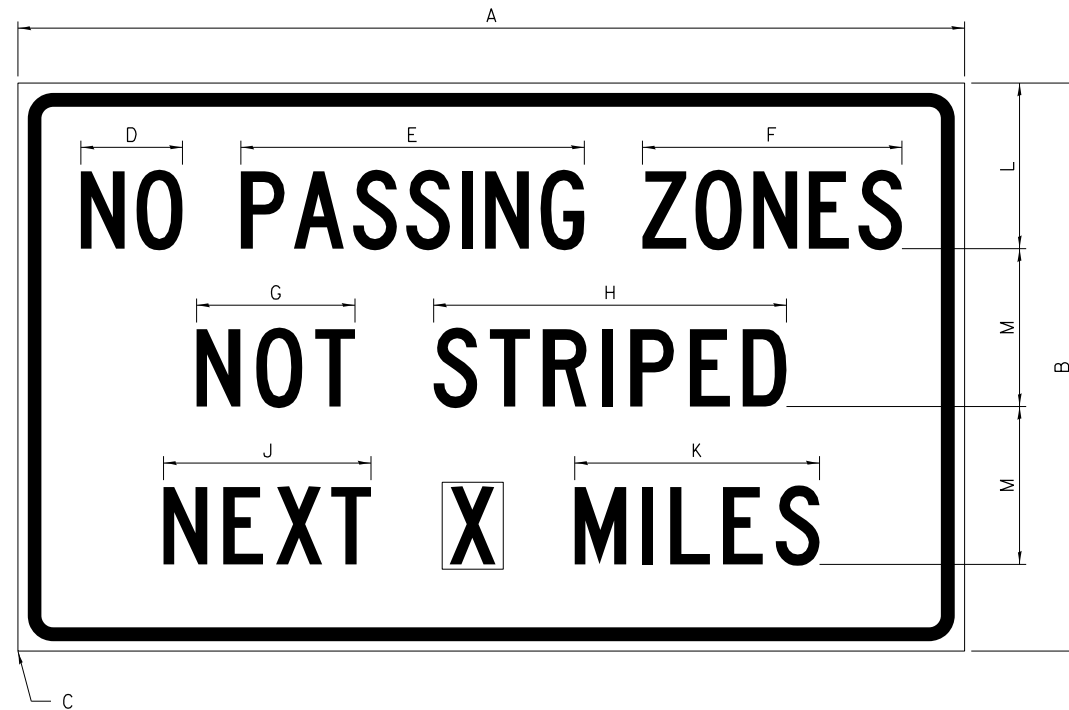
SCALE: SHEET NO. 9 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	108
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



# WORK ZONE SIGN DETAILS

**ILLINOIS STANDARD G20-I100**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

**GENERAL NOTES**

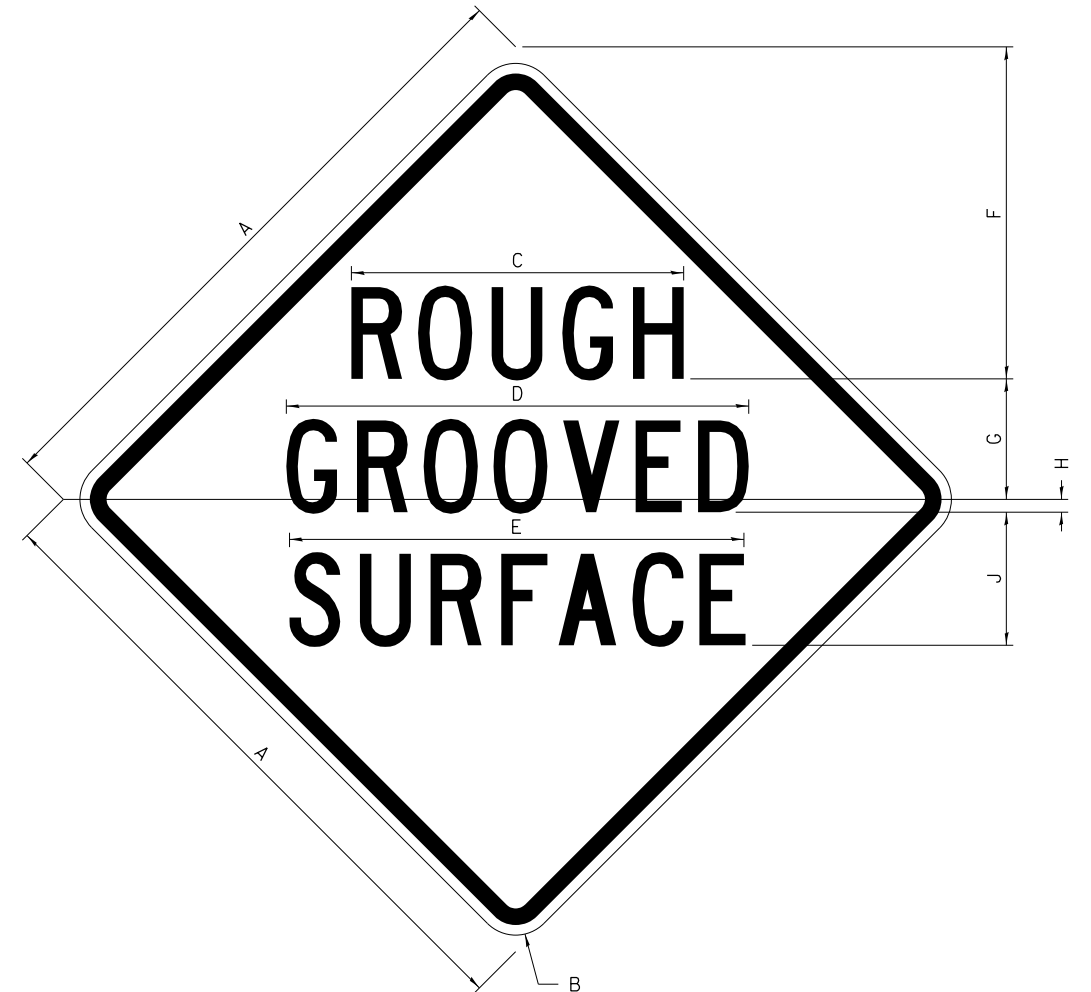
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

**ILLINOIS STANDARD W8-I107**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS Ph I-170 5 - 20th St over US 26\CADD\CADD Sheets\026408-sht-details-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 3-02-16
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

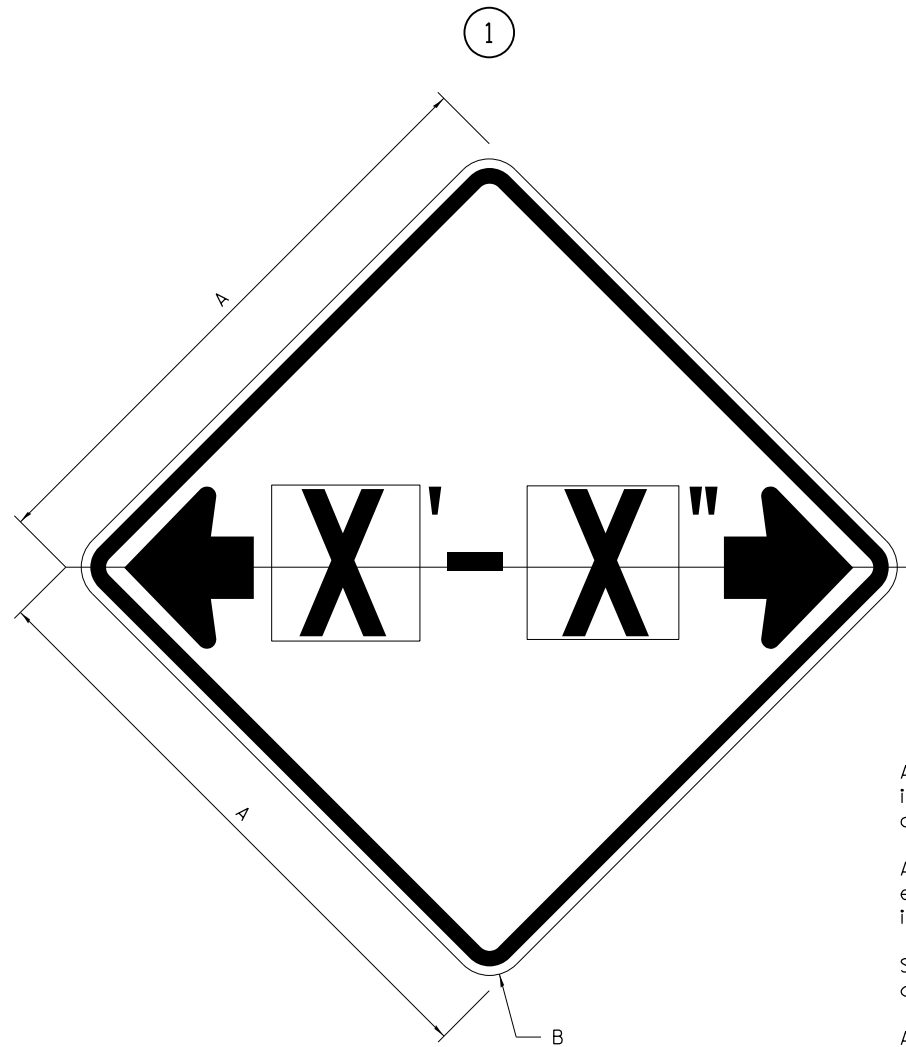
**REGION 2 / DISTRICT 2 STANDARD**

SCALE: SHEET NO. 10 OF 19 SHEETS STA. TO STA.

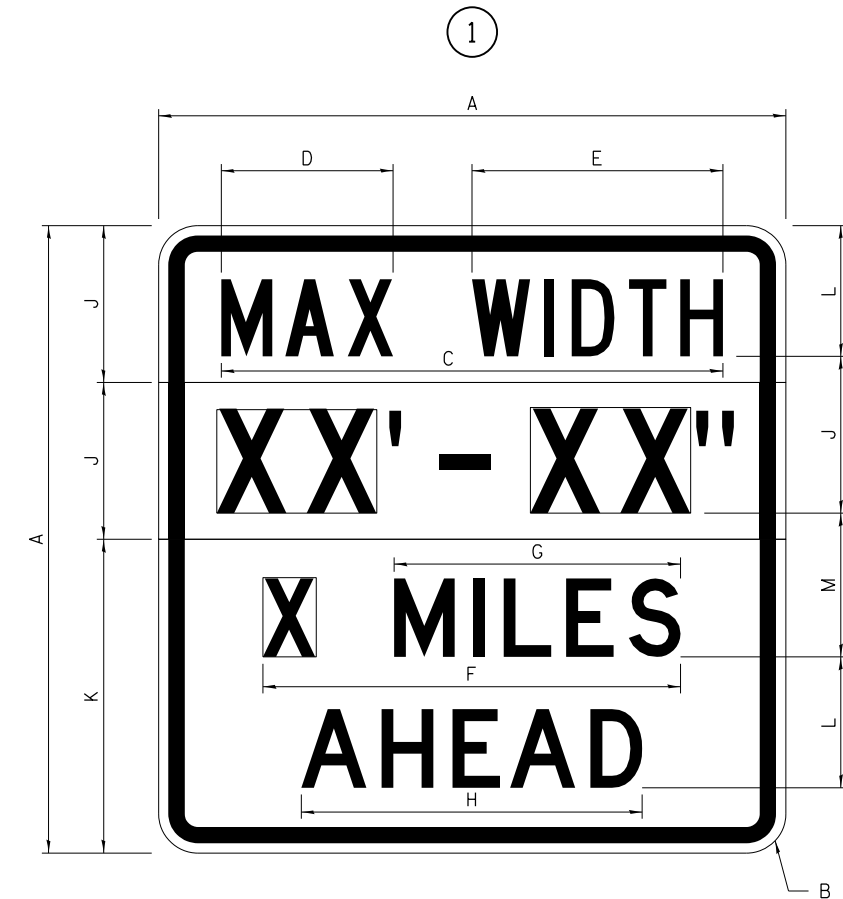
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	109
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64A08	

# WORK ZONE SIGN DETAILS

## ILLINOIS STANDARD W12-I102



## ILLINOIS STANDARD W12-I103



### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR	LEGEND AND BORDER	BLACK	NON-REFLECTORIZED
	BACKGROUND	WHITE	REFLECTORIZED
	BACKGROUND (WIDTH)	FL ORANGE	REFLECTORIZED

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

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

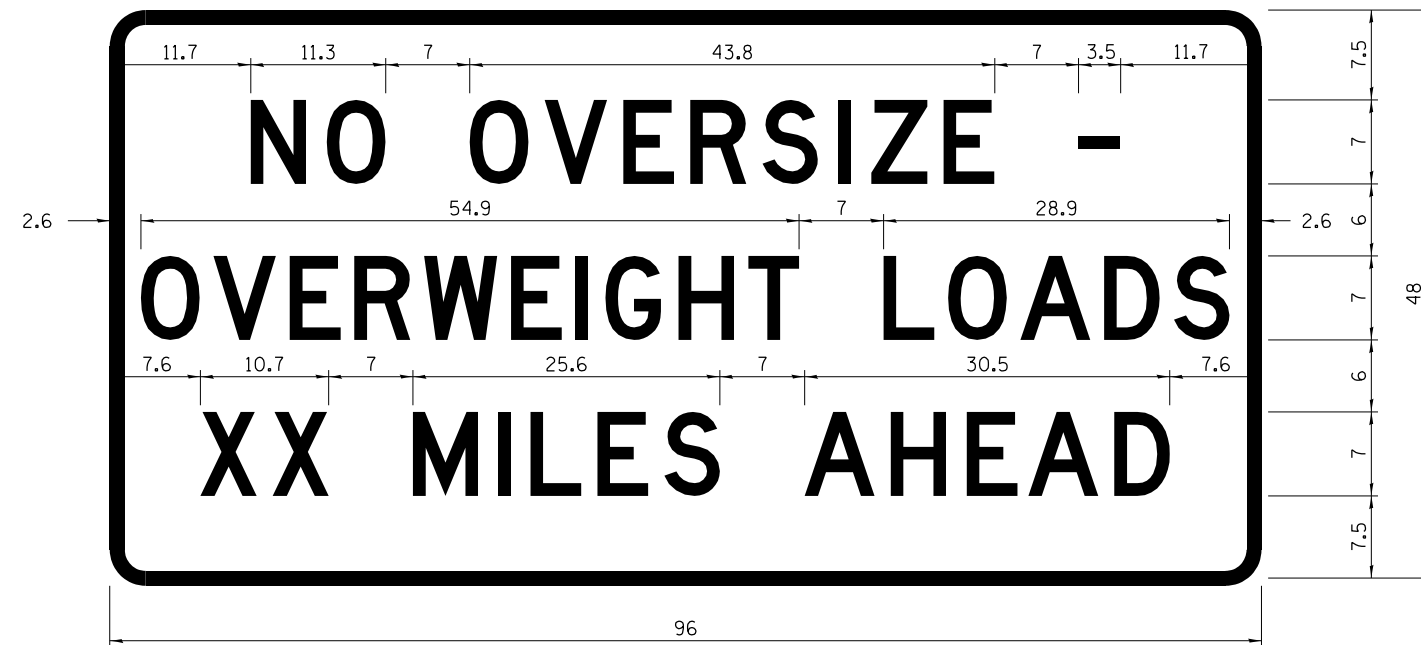
USER NAME = FNelson	DESIGNED -	REVISED - 3-02-16
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	110
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 64A08				

# WORK ZONE SIGN DETAILS

## ROAD CLOSED TO OVERSIZED LOADS

## STOP LINE SIGN FOR TEMPORARY SIGNALS



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

COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;  
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;  
 Table of letter and object lefts.

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

Sign not to scale

### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-170 5 - 20th St over US 26\CADD\CADD Sheets\0264A08-sht-details-02.dgn  
 PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 3-02-16
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

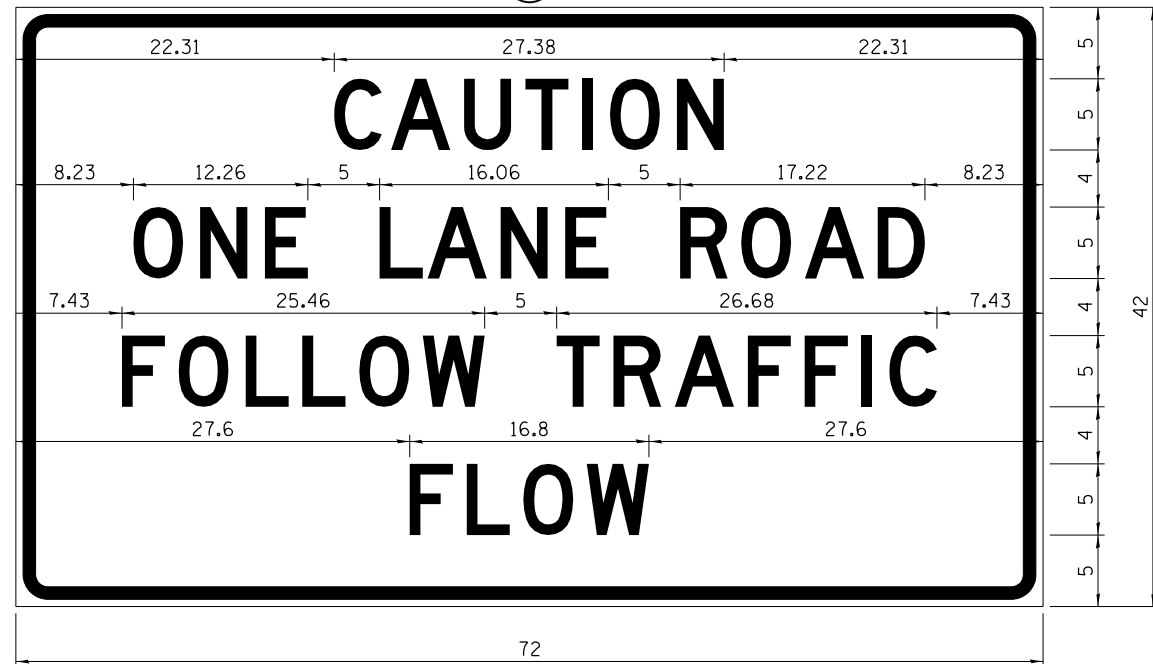
SCALE: SHEET NO. 12 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	111
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**ENTRANCE SIGN FOR USE  
WITH TEMPORARY SIGNALS**

**WORK ZONE SIGN DETAILS**

②



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;  
[CAUTION] D; [ONE LANE ROAD] D;  
[FOLLOW TRAFFIC] D; [FLOW] D

② This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

**Table Of Widths And Spaces**

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

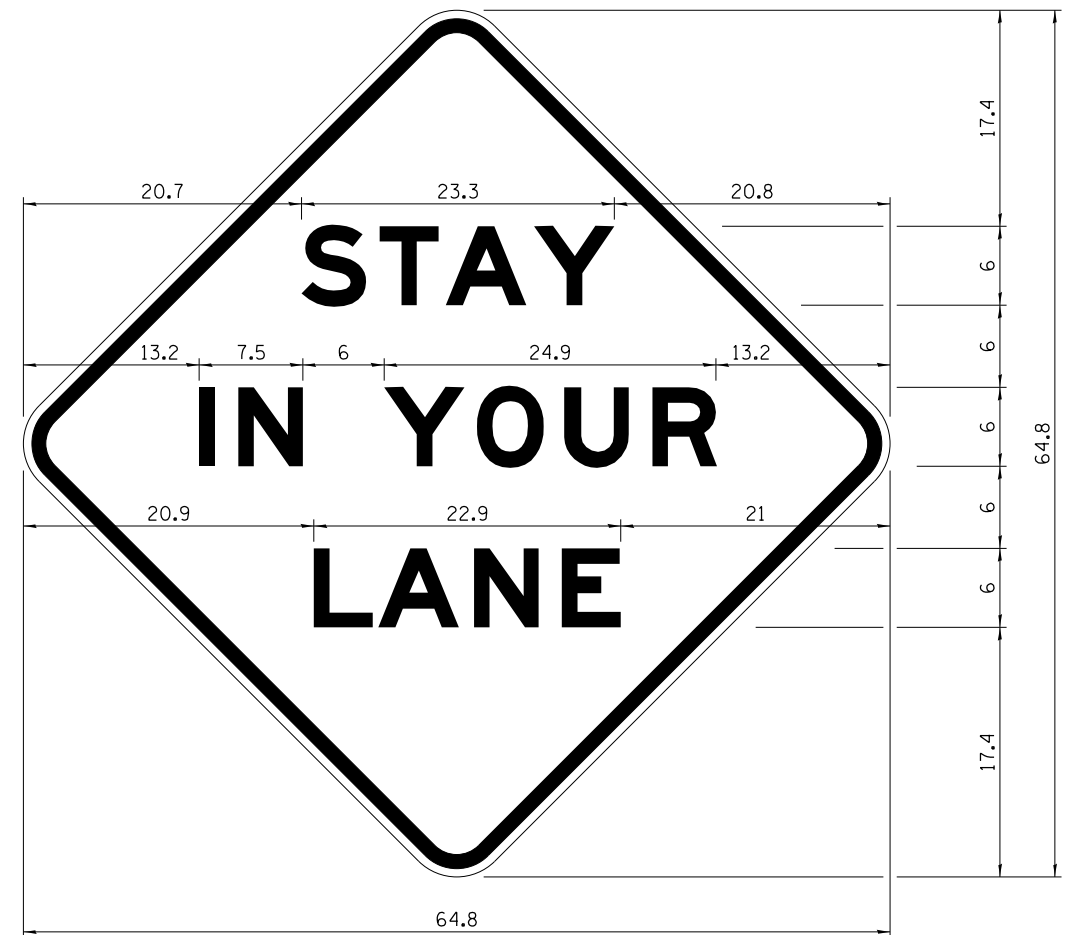
7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

Sign not to scale

**STAY IN YOUR LANE**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;  
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

**Table of Letter and Object Lefts**

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

**GENERAL NOTES**

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-170 5 - 20th St over US 20\CADD\CADD Sheets\026408-sht-details-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = F Nelson	DESIGNED -	REVISED - 3-02-16
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

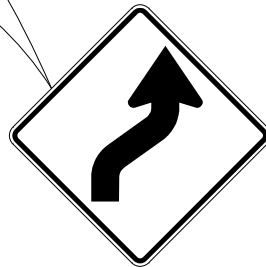
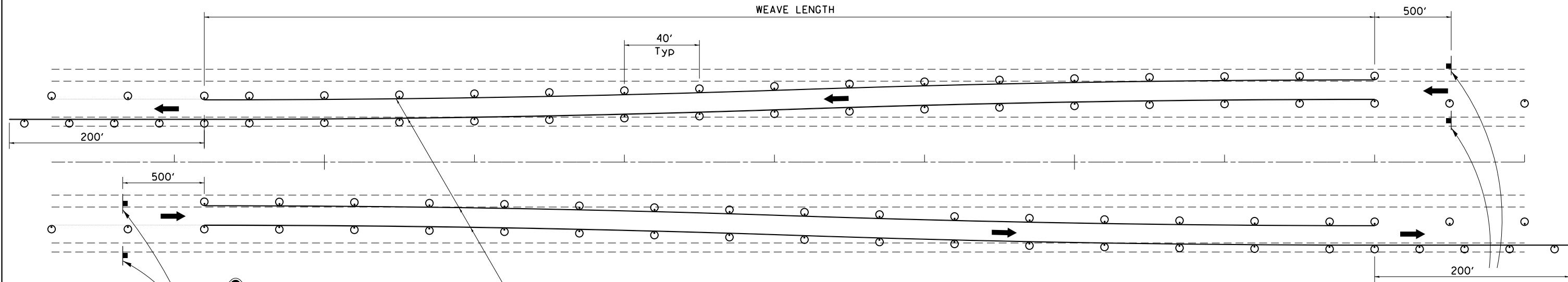
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD**

SCALE: SHEET NO. 13 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	112
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# TRAFFIC CONTROL TYPICAL WEAVE



W1-4R(O)-48

Temporary Pavement Marking required if Typical Weave is used for 14 days or more.

## SYMBOLS

- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- SIGN



W1-4L(O)-48

## GENERAL NOTES:

USE ON LONG 4-LANE PROJECTS WHERE THE CONTRACTOR MAY CHANGE A PORTION OF THE WORK TO THE OPPOSITE LANE.

USE WHERE THE PROJECT IS ADJACENT TO ANOTHER AND THE CONTRACTOR COULD BE WORKING ON DIFFERENT LANES.

TEMPORARY PAVEMENT MARKING SHALL BE USED WHEN TYPICAL WEAVE IS USED FOR 14 DAYS OR MORE.

TRAFFIC CONTROL TYPICAL WEAVE SHALL BE INCLUDED IN THE COST OF THE SPECIFIC TRAFFIC CONTROL STANDARDS OF ITEMS.

## STANDARD WEAVE CONDITIONS FOR DIFFERENT SPEED LIMITS

POSTED SPEED LIMIT	WEAVE LENGTH
65 MPH OR HIGHER	780 FT.
55 MPH	660 FT.
45 MPH	540 FT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

**TRAFFIC CONTROL TYPICAL WEAVE 39.1**

FILE NAME = S:\Projects\2013\JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS Ph I-1\I\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-detail-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 1-05-16
	DRAWN -	REVISED - 6-27-14
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - 8-27-13
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED - 10-17-11

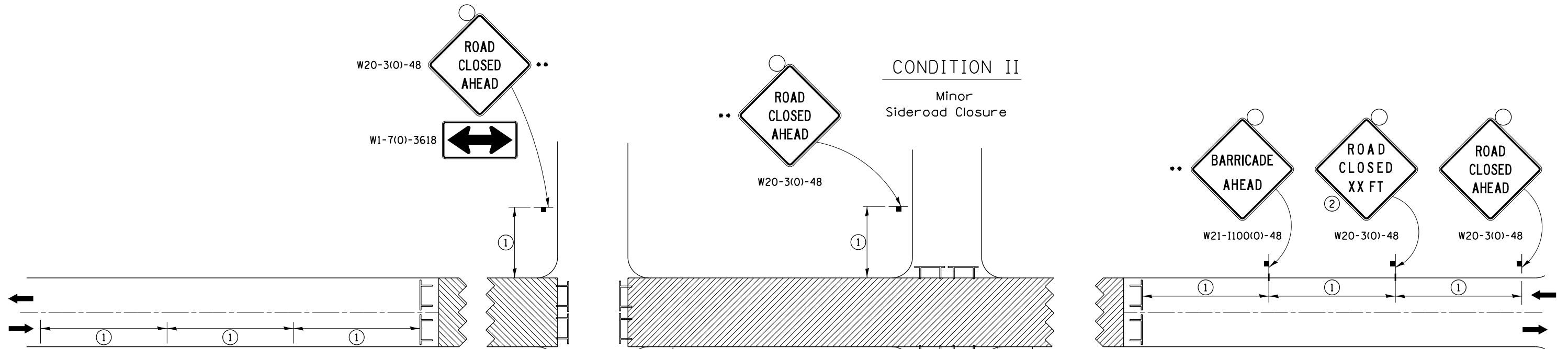
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD**




SCALE: SHEET NO. 14 OF 19 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	113
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# TRAFFIC CONTROL FOR ROAD CLOSURE



## SYMBOLS

-  Work area
-  Type III Barricade with Flashers
-  Sign with flashing light

## GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

\*\* Where local access is to be maintained, barricades are to be set up as shown in "Road Closed To Thru Traffic". Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE

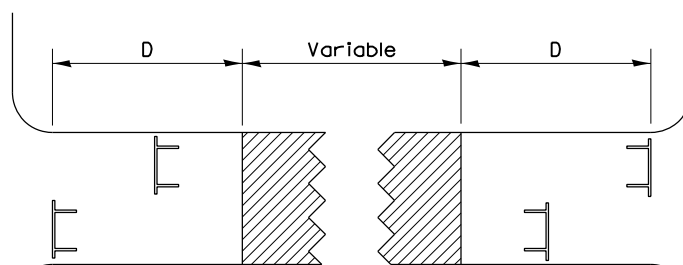
①

SIGN SPACING TABLE	
Posted Speed	Sign Spacing
45 MPH and above	500'
Below 45 MPH	250'

②

SIGN LEGEND	
Posted Speed Limit	Distance
45 MPH and above	1000'
Below 45 MPH	500'

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS Ph 1-11\NO 5 - 2014 St over US 20\CADD\CADD Sheets\0264A08-sht-details-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 8-03-17
	DRAWN -	REVISED - 1-05-16
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED - 8-27-13
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED - 10-17-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

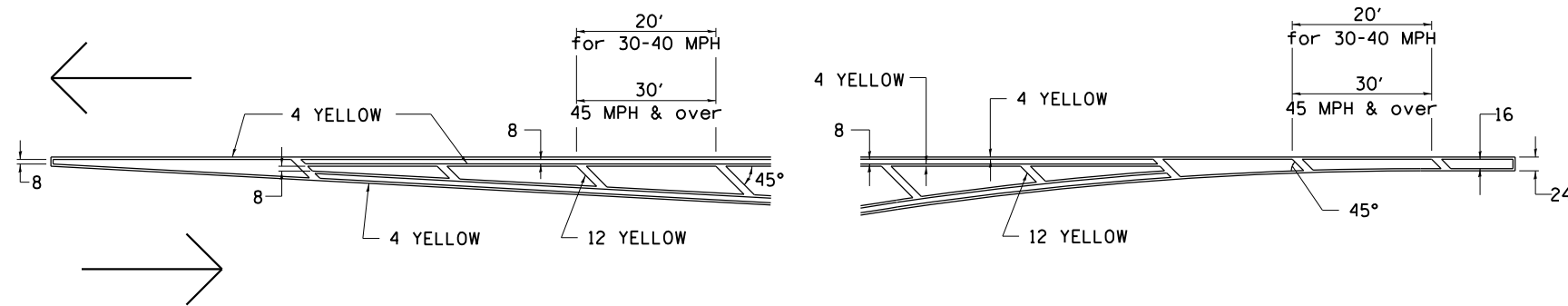
SCALE: SHEET NO. 15 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	114
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

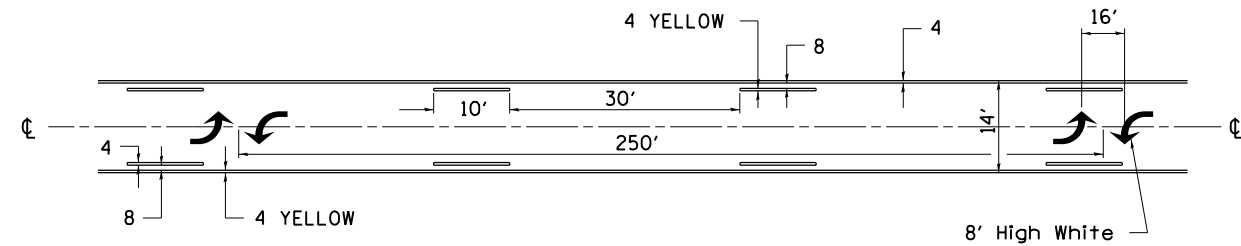
TRAFFIC CONTROL FOR ROAD CLOSURE 40.1

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

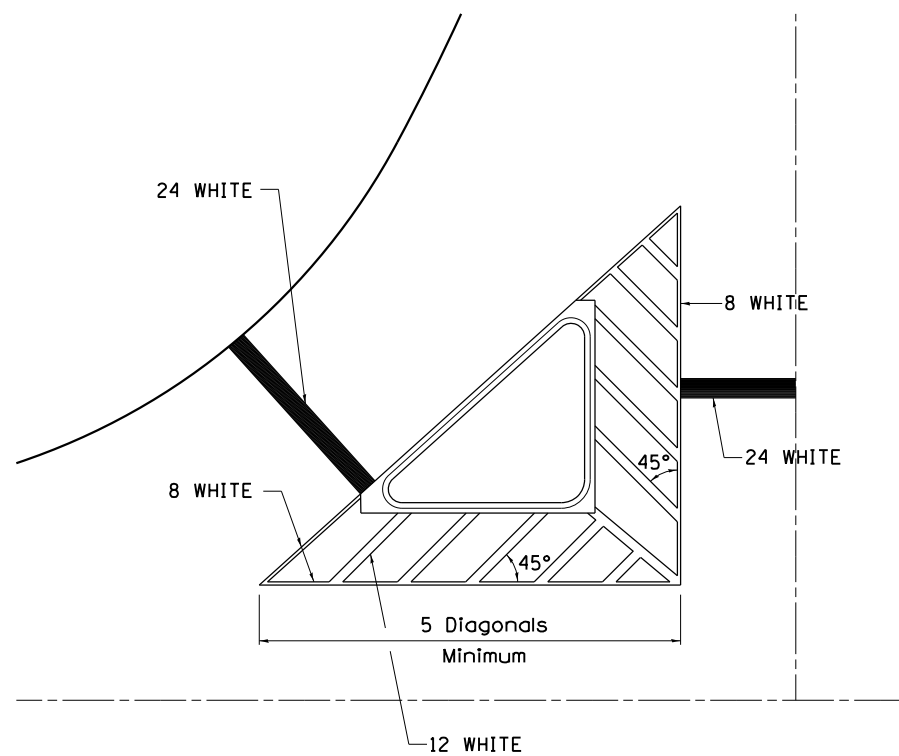


## MEDIAN PAVEMENT MARKING



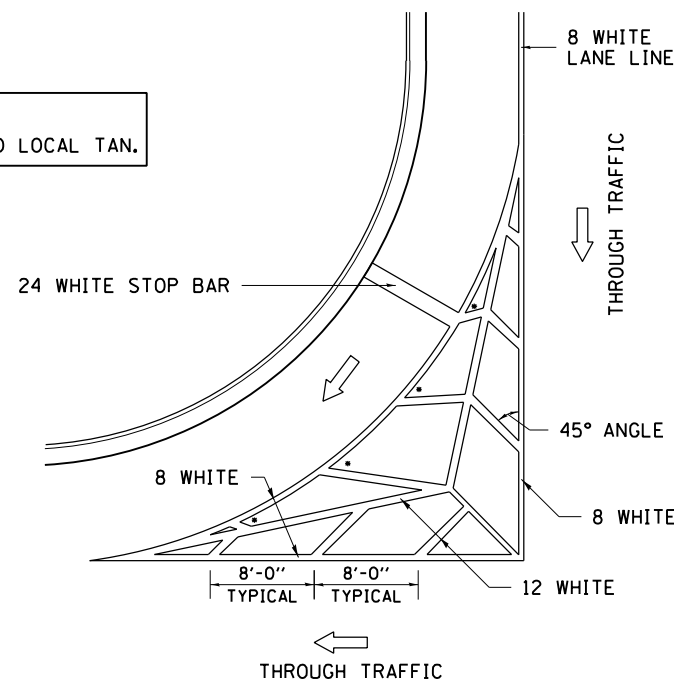
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH



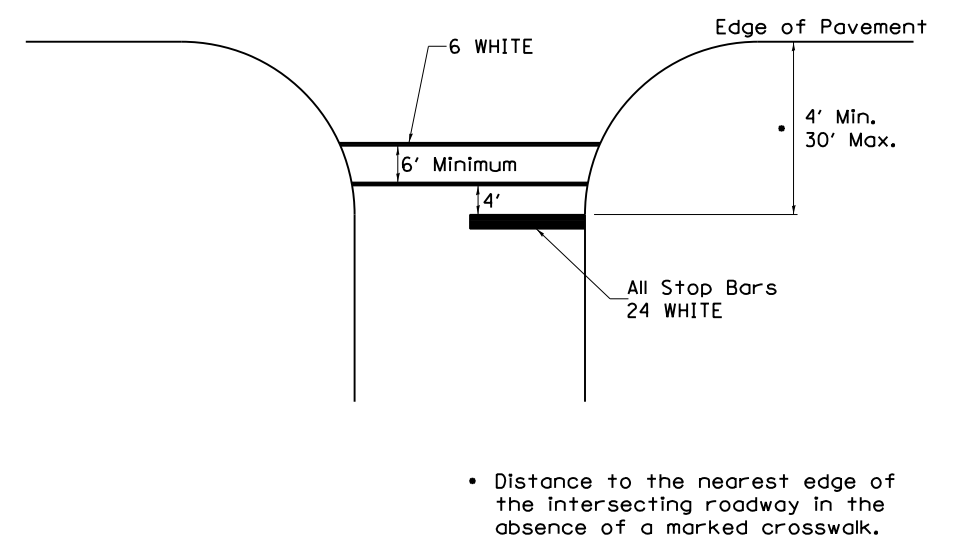
## TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:  
\* 45° TO LOCAL TAN.



## STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-17\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-detail-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 3-05-12
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

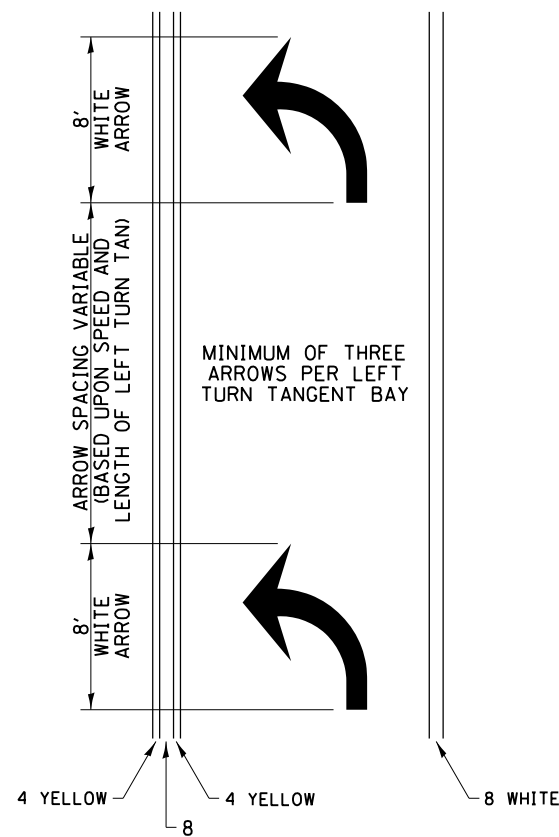
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. 16 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	115
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# TYPICAL PAVEMENT MARKINGS

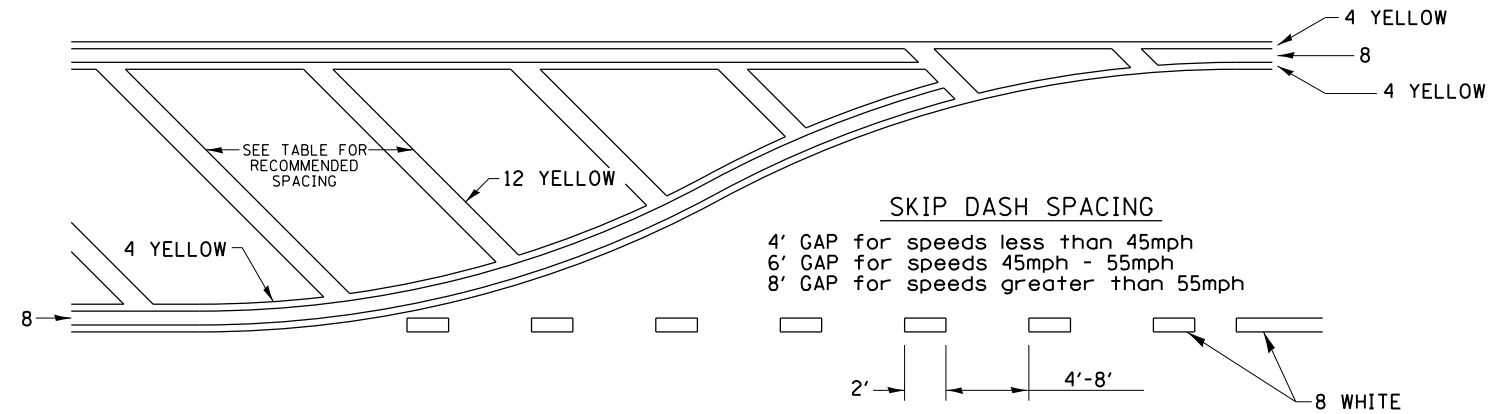
## ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

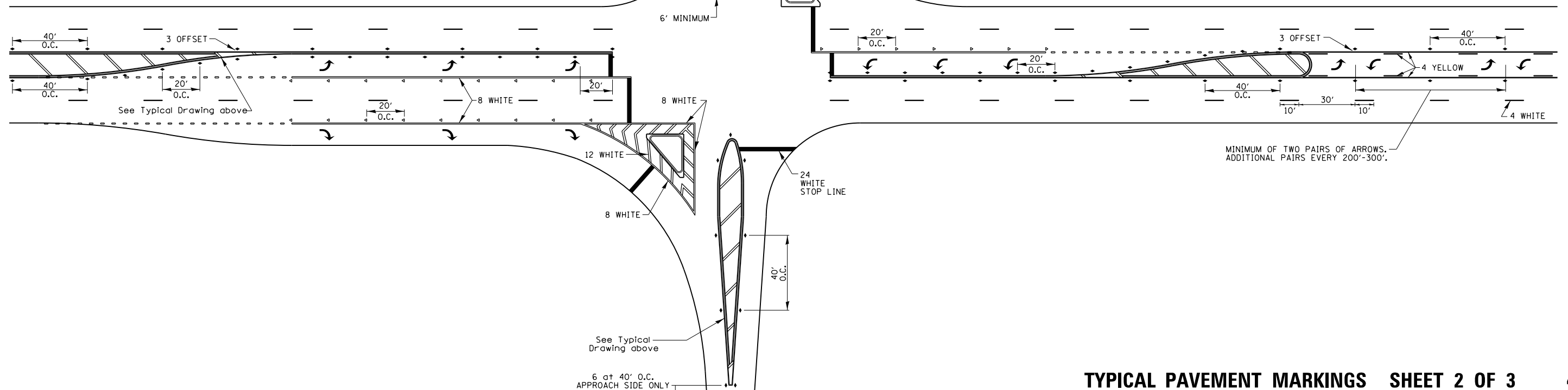
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



### RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-17\NO 5 - 20th St over US 26\CADD\CADD Sheets\0264A08-sht-details-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 3-05-12
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

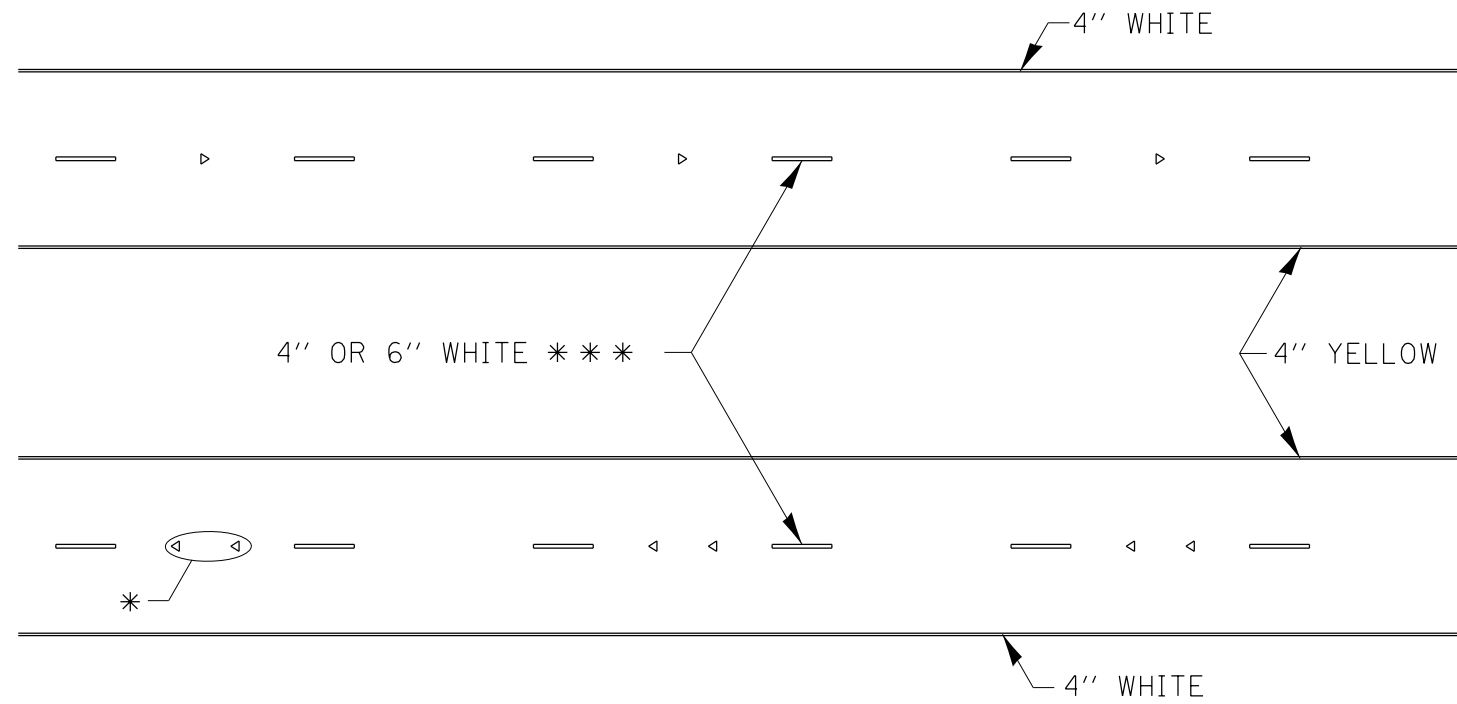
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. 17 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	116
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

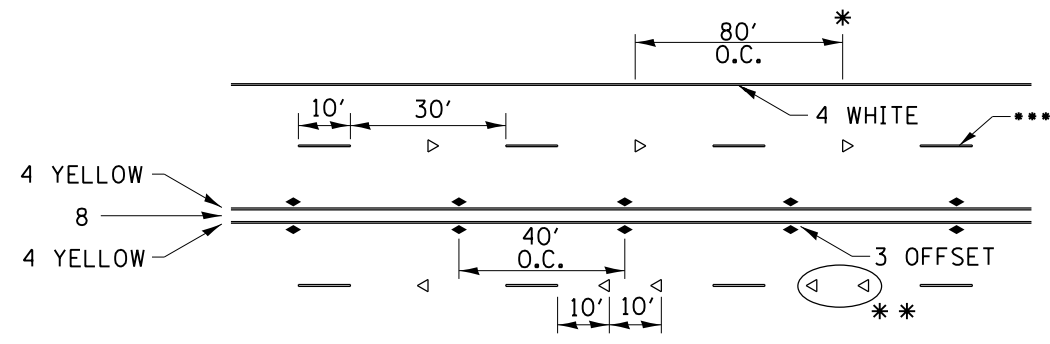


# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.  
USE DOUBLE MARKERS WHEN ADT > 20,000.

## MULTI-LANE / DIVIDED



SYMBOLS

\* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

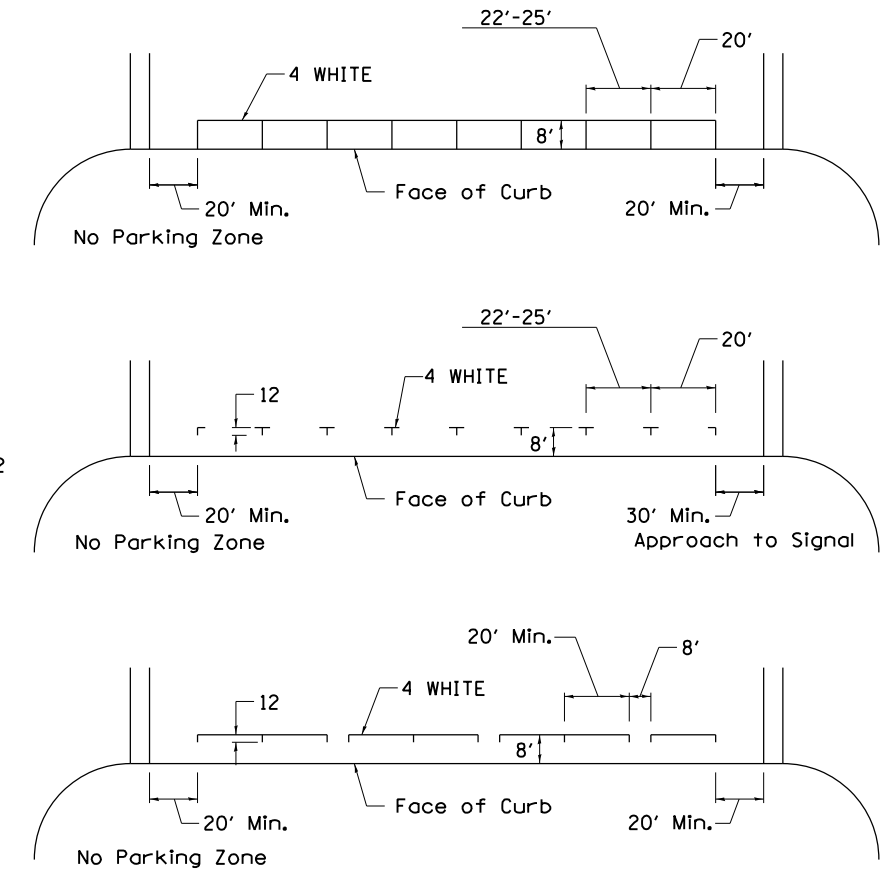
\*\* USE DOUBLE MARKERS WHEN ADT ≥ 20,000

\*\*\* CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4\"/>

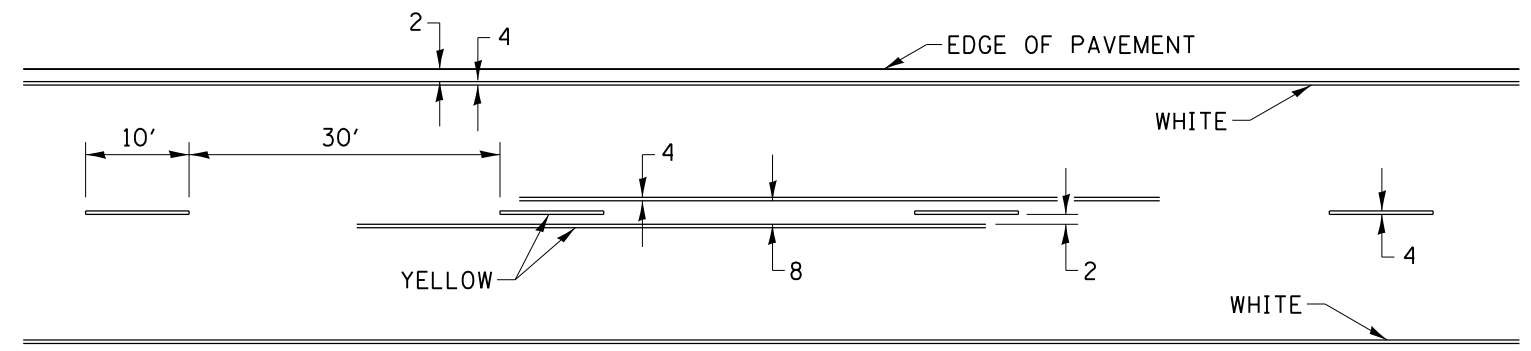
## MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS  
DETAIL NOT HIGHWAY STANDARD 781001)

## TYPICAL PARKING SPACING



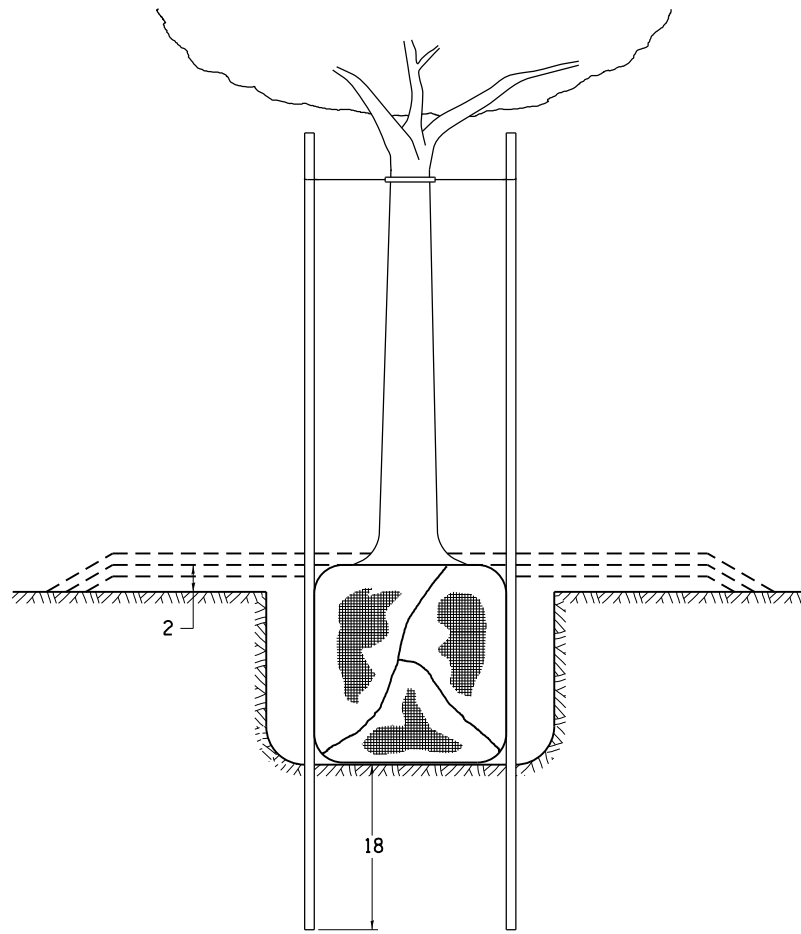
## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



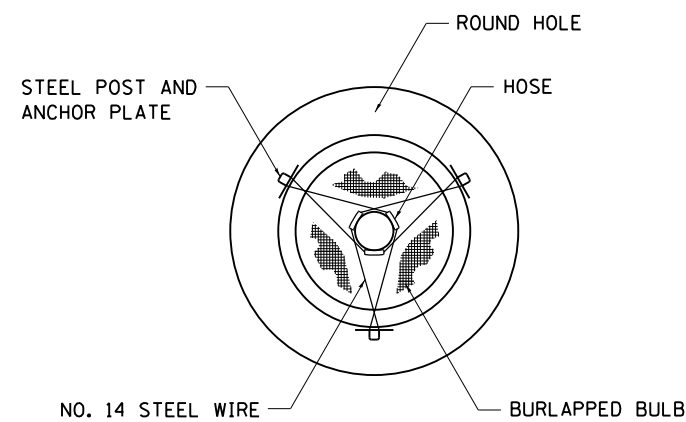
USER NAME = FNelson	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 8-27-13
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - 11-28-12
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	117
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# DETAILS OF PLANTING AND BRACING TREES

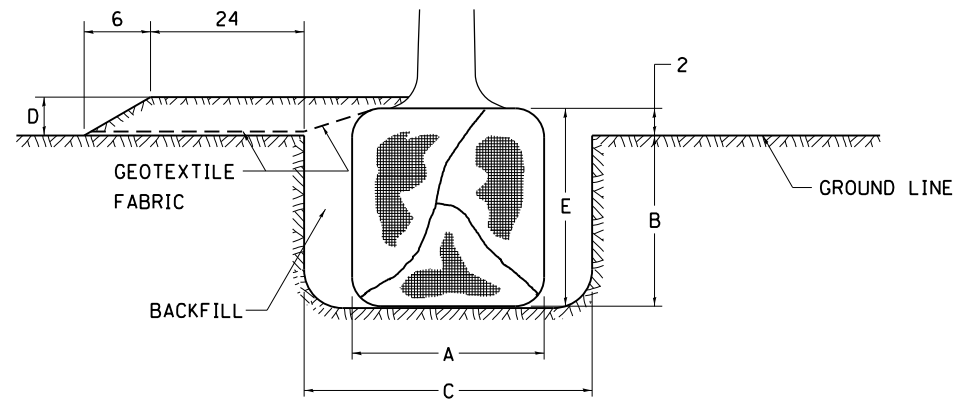


TREES SMALLER THAN 4 1/2 IN DIAMETER

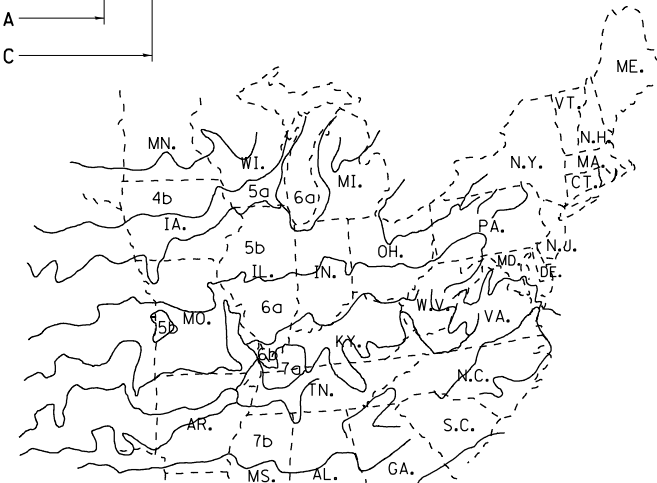


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2 1/2 BB	24	14	48	4	16	0.78
2 1/2-3 BB	28	17	48	4	19	0.78
3-3 1/2 BB	32	17	60	4	19	0.96
3 1/2-4 BB	36	20	60	4	22	0.96
4-4 1/2 BB	40	22	72	4	24	1.16
4 1/2-5 BB	44	24	72	4	26	1.16
5-5 1/2 BB	48	27	84	4	29	1.38

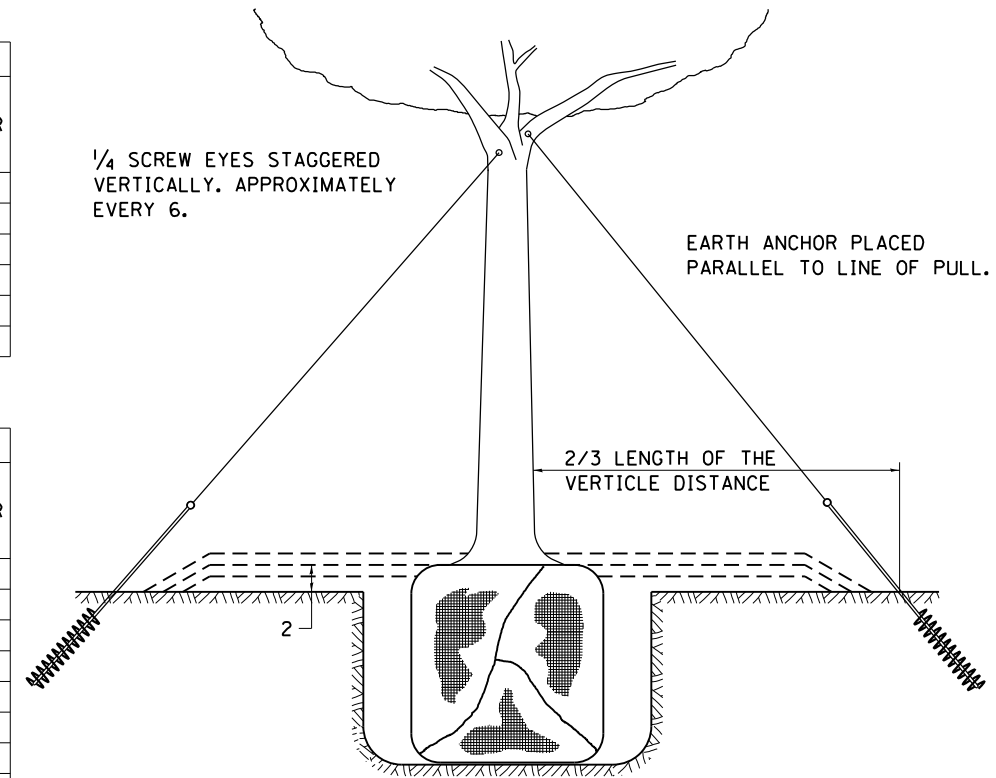


TREES OVER 4 1/2 IN DIAMETER



PLANT HARDINESS ZONE MAP

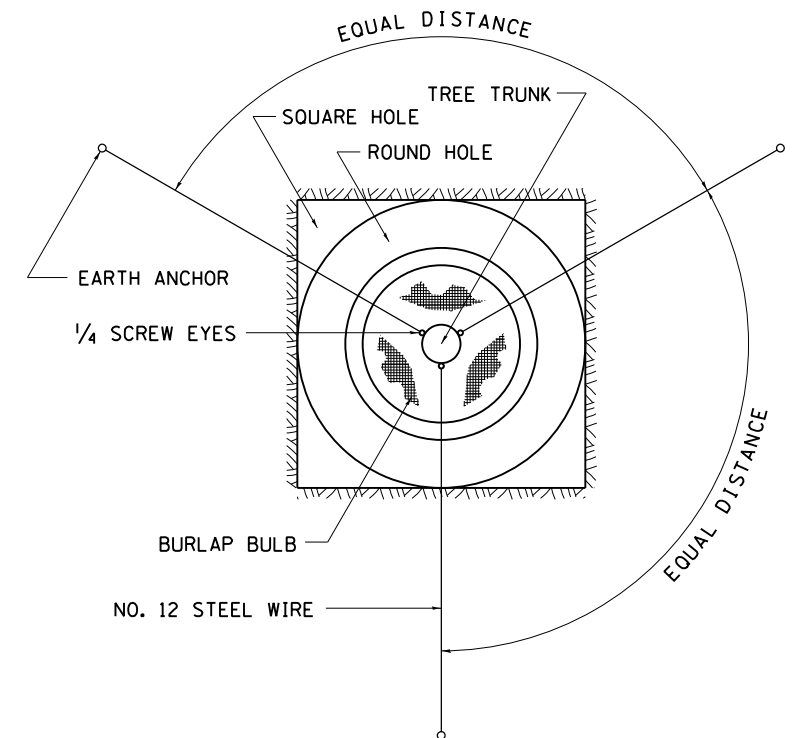
U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
PUBLICATION NO. 814



1/4 SCREW EYES STAGGERED VERTICALLY. APPROXIMATELY EVERY 6.

EARTH ANCHOR PLACED PARALLEL TO LINE OF PULL.

2/3 LENGTH OF THE VERTICLE DISTANCE



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## DETAILS OF PLANTING AND BRACING TREES

92.1

FILE NAME = S:\Projects\2013 Jobs\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS Ph I-11\NO 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-details-02.dgn  
PLOT DATE = 6/12/2020

USER NAME = FNelson	DESIGNED -	REVISED - 10-18-11
PLOT SCALE = 100.0000' / 1"	DRAWN -	REVISED -
PLOT DATE = 6/12/2020	CHECKED -	REVISED -
	DATE - 6/12/2020	REVISED -

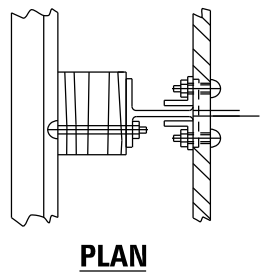
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

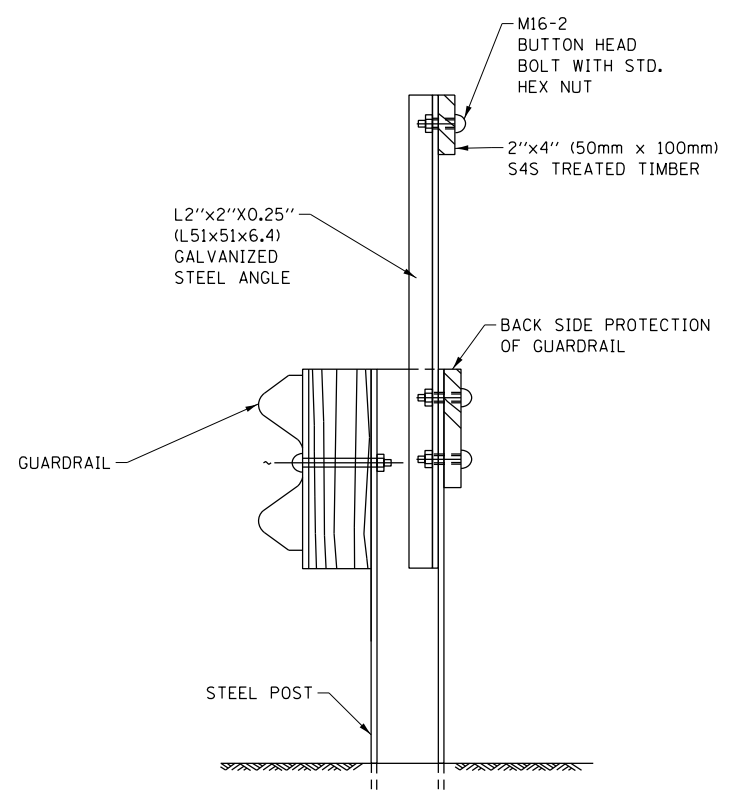
SCALE: SHEET NO. 19 OF 19 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	118
CONTRACT NO. 64A08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

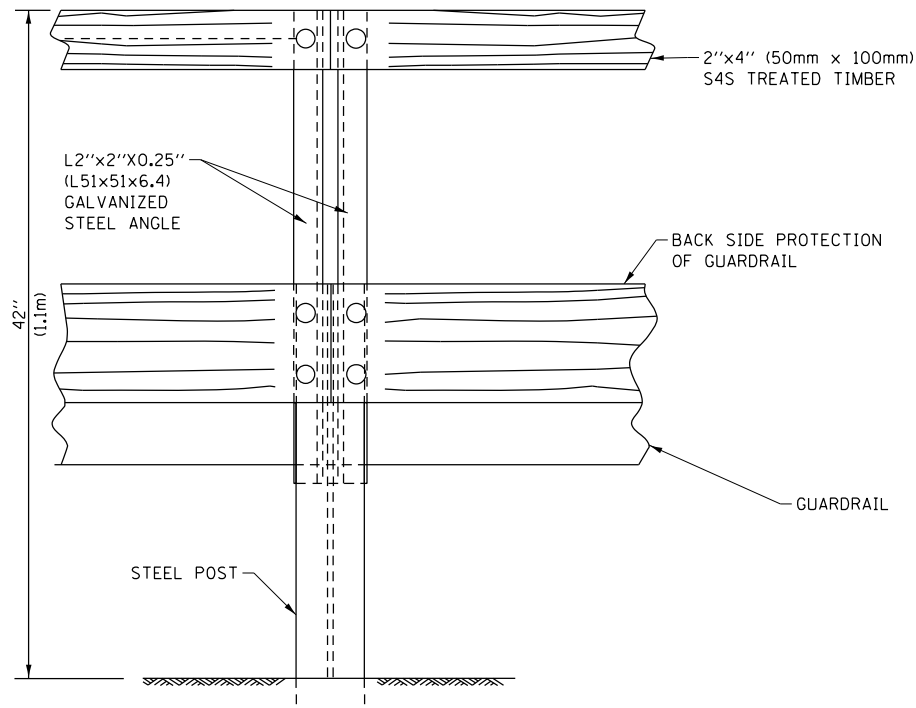
FILE NAME = S:\Projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH 1-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-detail.dgn  
 MODEL = Default  
 PLOT DRIVER = 100T\_PDF.plt



**PLAN**



**CROSS SECTION**



**ELEVATION**

**MULTI-USE PATH APPROACH GUARDRAIL ADJUSTMENT**

FOR DETAILS OF GUARDRAIL ELEMENTS NOT SHOWN  
 SEE STANDARDS 630001 & 630116.

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



USER NAME = FNelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-detail.dgn	DRAWN - SM	REVISED -
PLOT SCALE = 100.0000' / 1in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STEEL PLATE BEAM GUARDRAIL  
 ADJUSTMENT DETAIL**

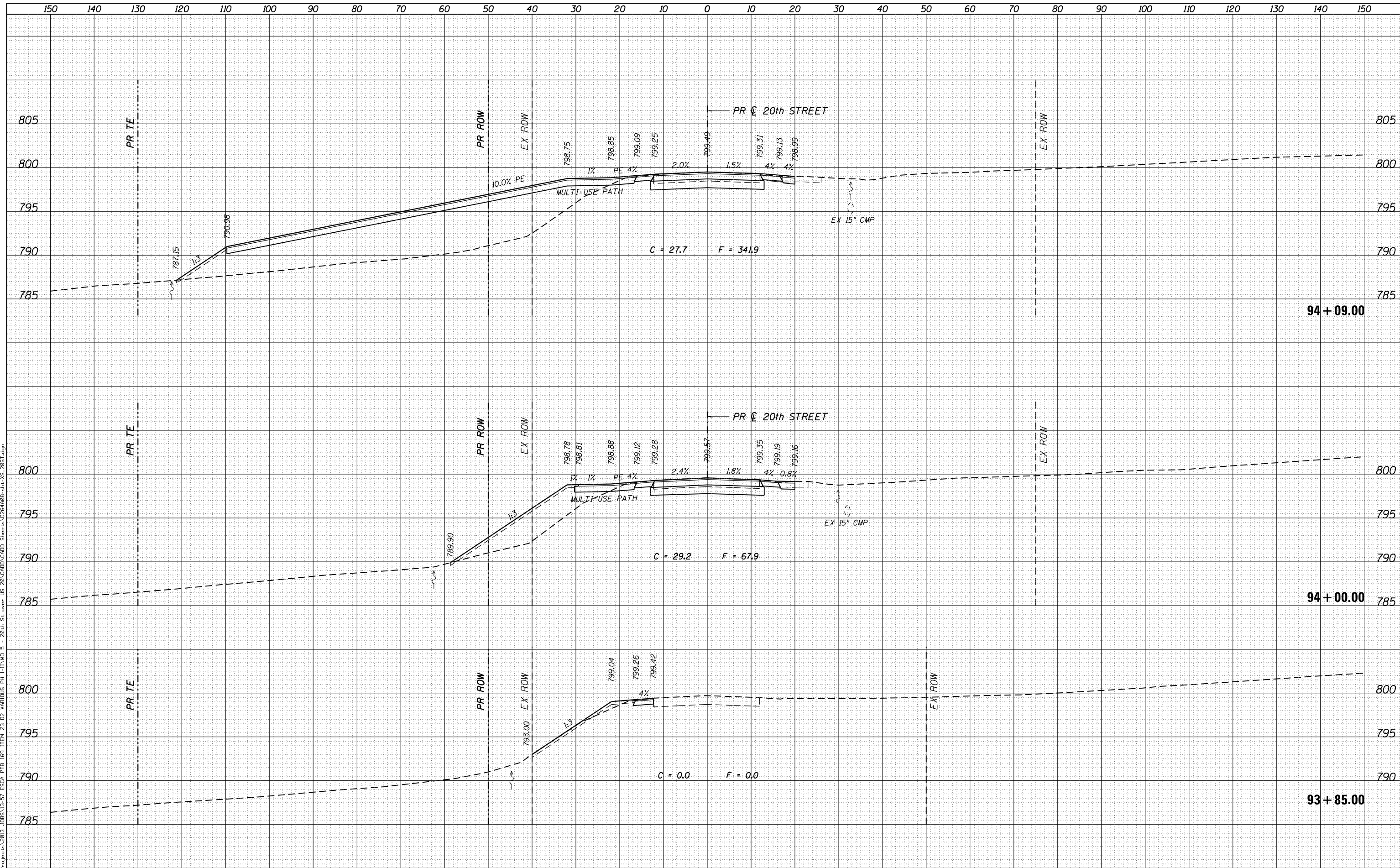
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	119
CONTRACT NO. 64A08				
ILLINOIS FED. AID PROJECT				

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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2020\2020\JOBS\13-57\_ESCH\_PTB\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

**CROSS SECTIONS**  
**20TH STREET**

SCALE: 10H x 5V SHEET 1 OF 19 SHEETS STA. 93+50.00 TO STA. 94+00.00

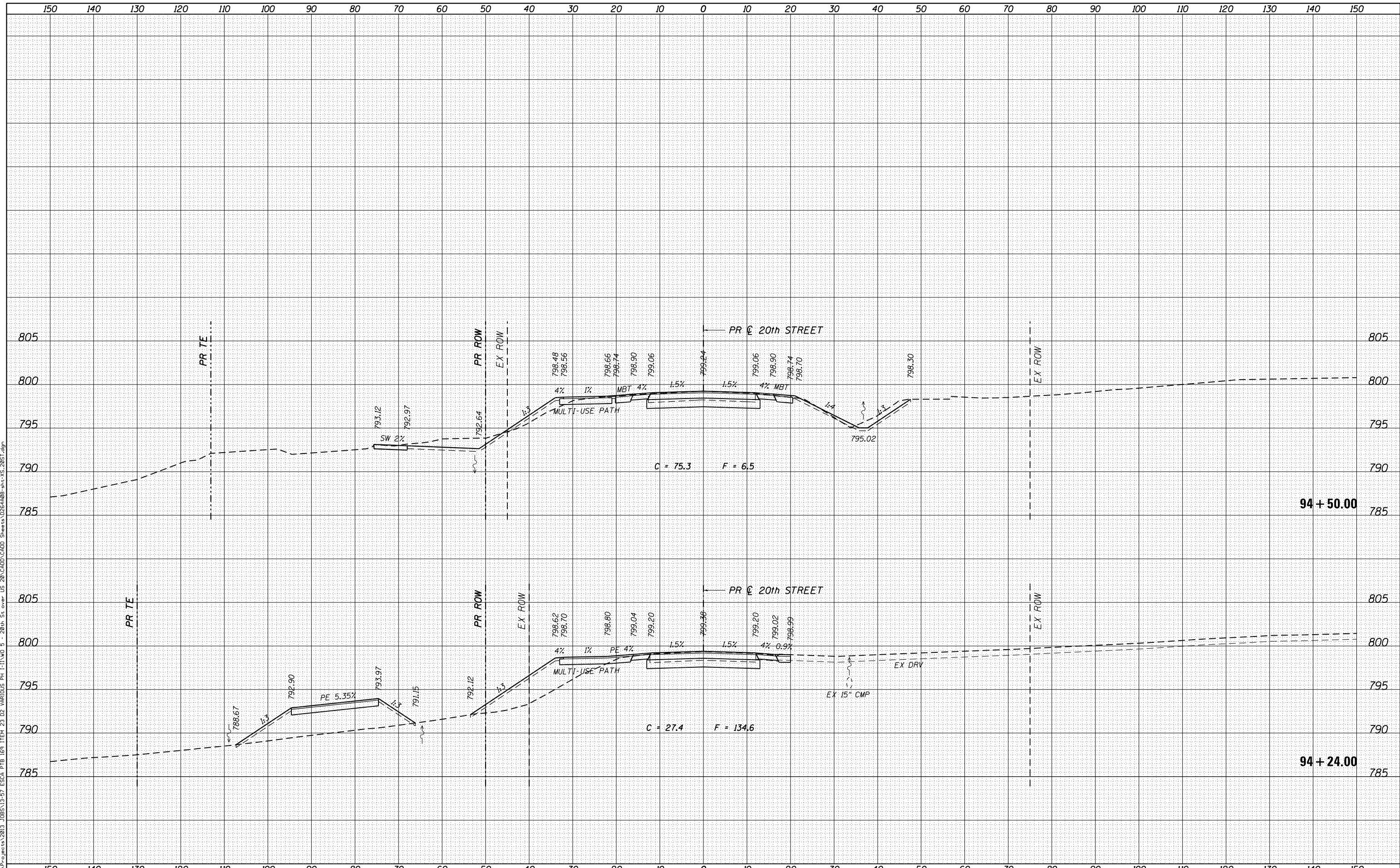
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	120
CONTRACT NO. 64A08				

ILLINOIS FED. AID PROJECT

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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2013\JOBS\13-57\_ESCH\_PTB\_169\ITEM\_23\_D2\_VARIOUS\_PH\_1\11\WD\_5 - 28th St over US 20\CADD\CADD\_Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = FNeelson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

**CROSS SECTIONS**  
**20TH STREET**

SCALE: 10H x 5V SHEET 2 OF 19 SHEETS STA. 94+24.00 TO STA. 94+50.00

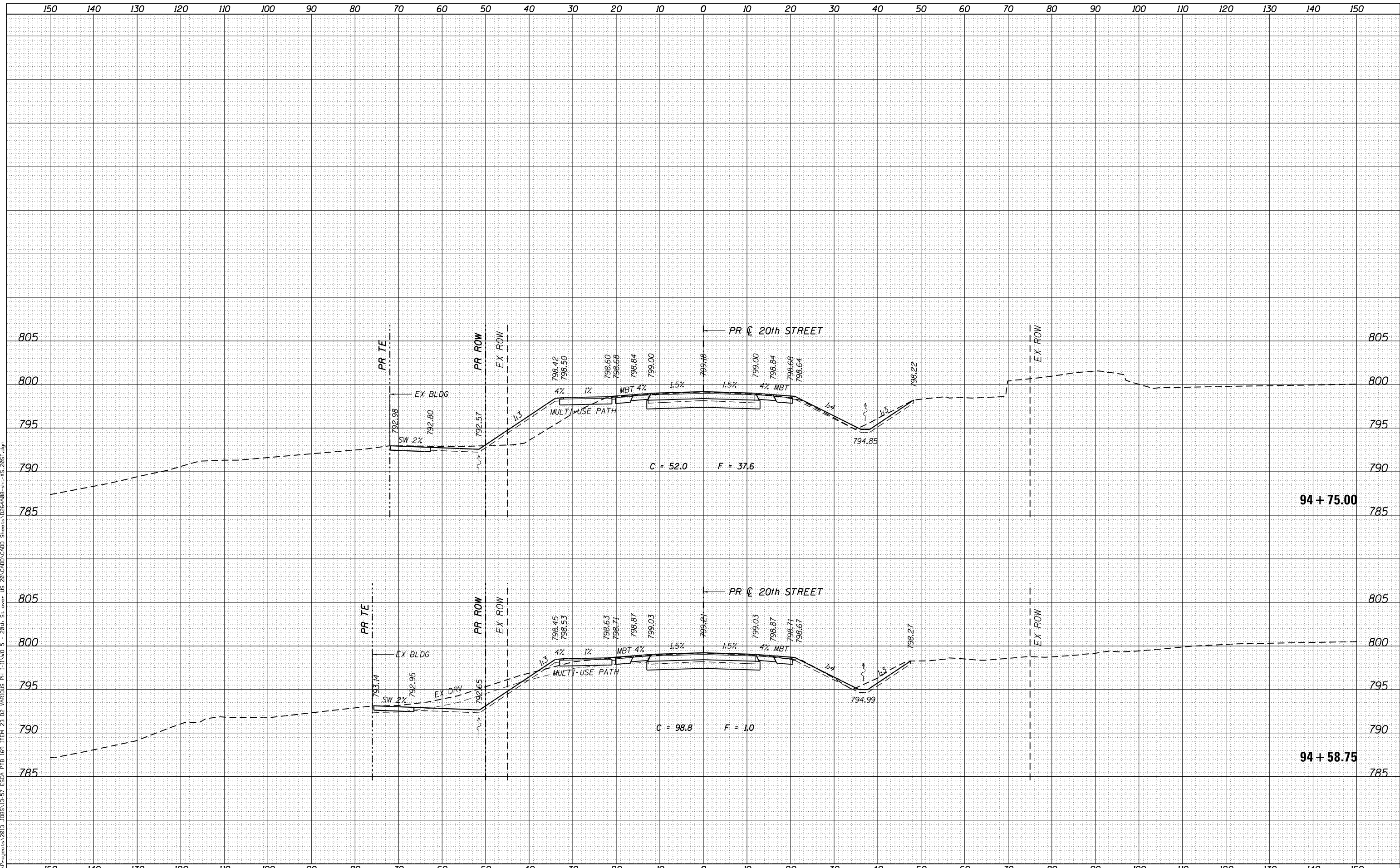
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	121
CONTRACT NO. 64A08				

ILLINOIS FED. AID PROJECT

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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2013\JOBS\13-57\_ES&H\_PTB\_169\_ITEM\_23\_D2\_VARIABLES\_PH\_1\11\WD\_5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson	DESIGNED - FBN	REVISD -
FILE NAME = D264A08-sht-XS-20ST.dgn	DRAWN - SM	REVISD -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISD -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 20TH STREET**

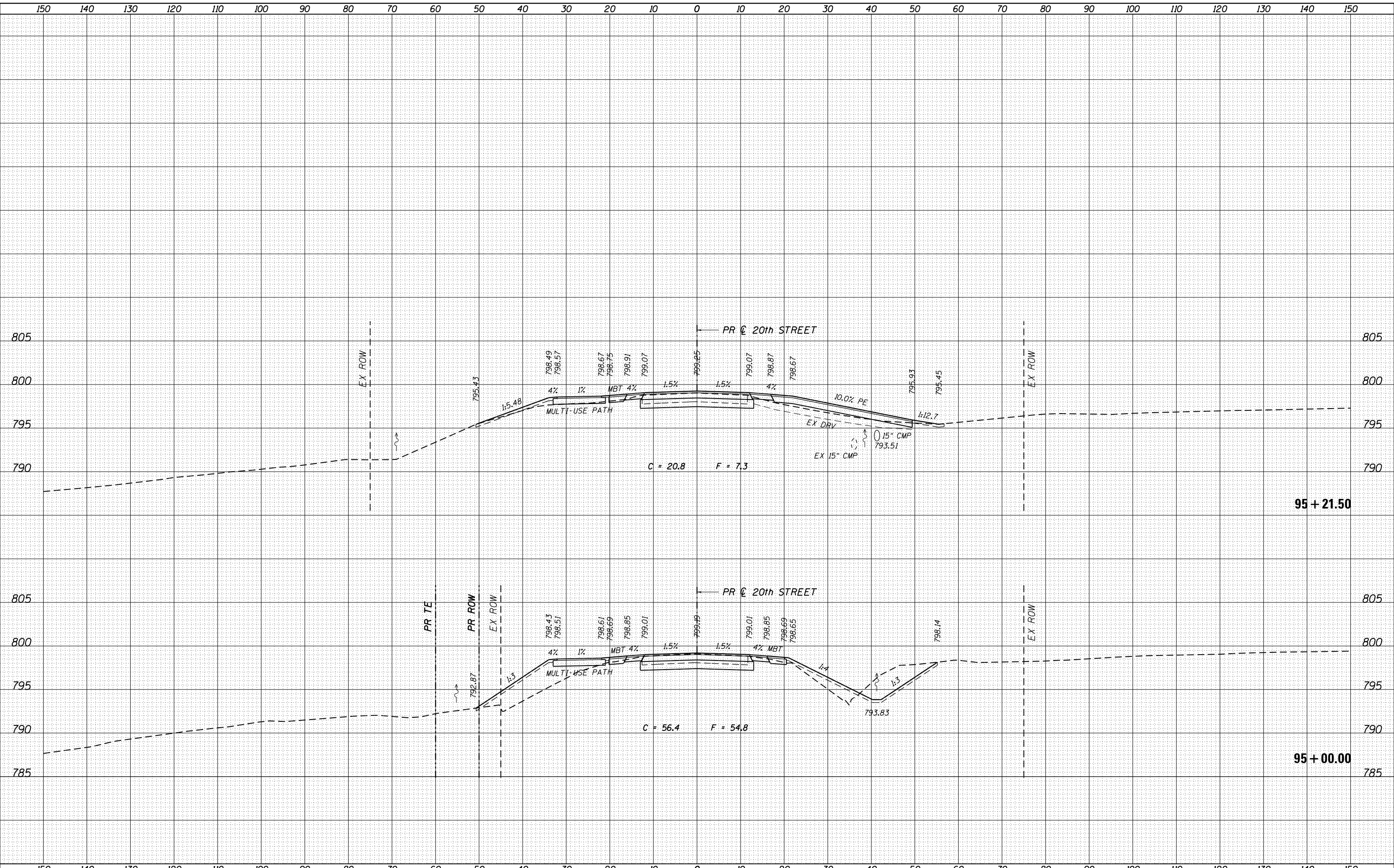
SCALE: 10H x 5V SHEET 3 OF 19 SHEETS STA. 94+58.75 TO STA. 94+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	122
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				

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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2013\JOBS\13-57\_ES&H\_P1B\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
20TH STREET

SCALE: 10H x 5V SHEET 4 OF 19 SHEETS STA. 95+00.00 TO STA. 95+21.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	123
CONTRACT NO. 64A08				

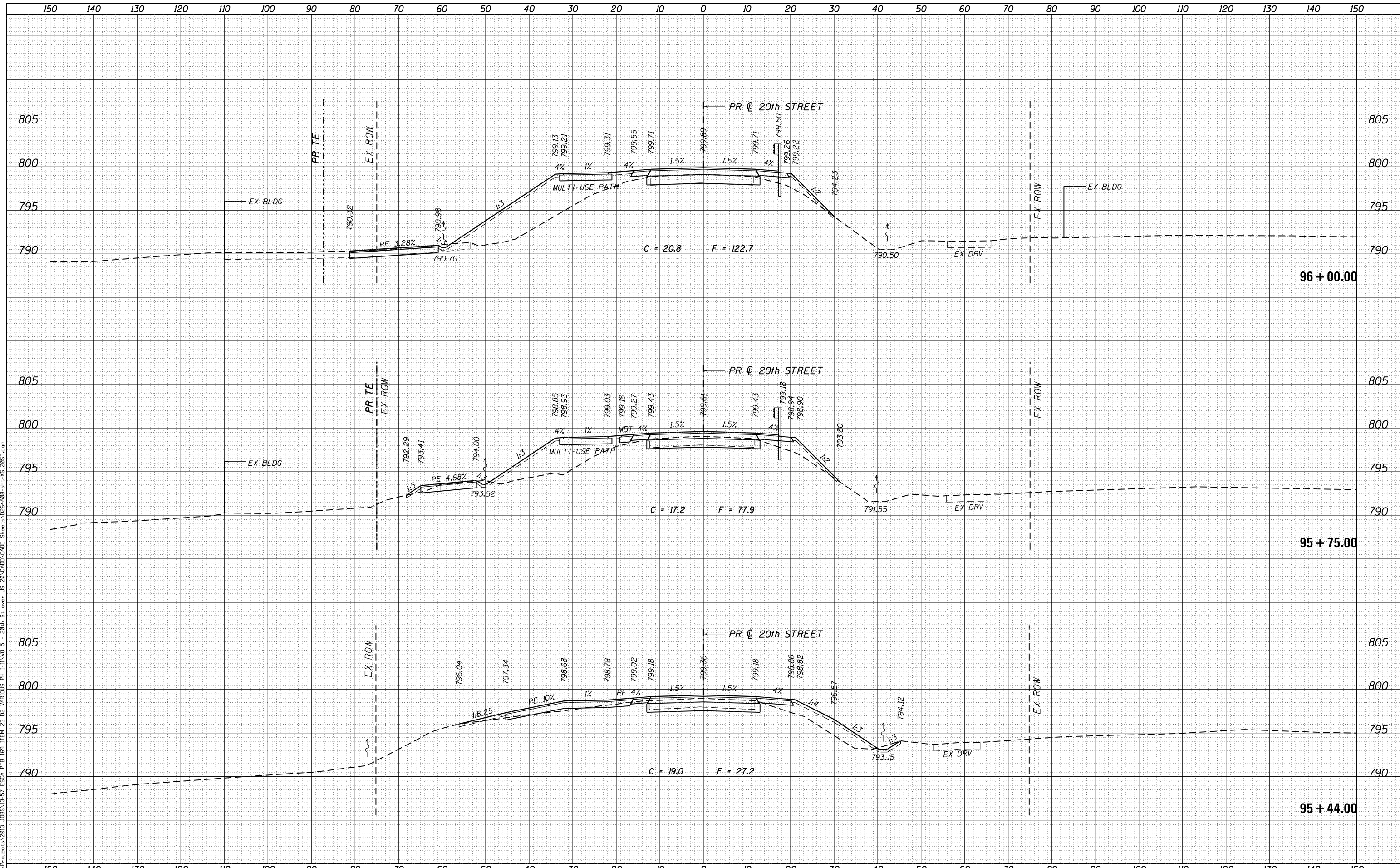
ILLINOIS FED. AID PROJECT



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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

PLOT DRIVER = J001\_PDF.plt;g  
FILE NAME = S:\projects\2015 JOBS\13-57 ES&H PTB 169 ITEM 23 D2 VARIOUS PH I-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = FNelson  
FILE NAME = D264A08-sht-XS-20ST.dgn  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 6/12/2020

DESIGNED - FBN  
DRAWN - SM  
CHECKED - MCV  
DATE - 6/12/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
20TH STREET**

SCALE: 10H x 5V SHEET 5 OF 19 SHEETS STA. 95+44.00 TO STA. 96+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	124
CONTRACT NO. 64A08				

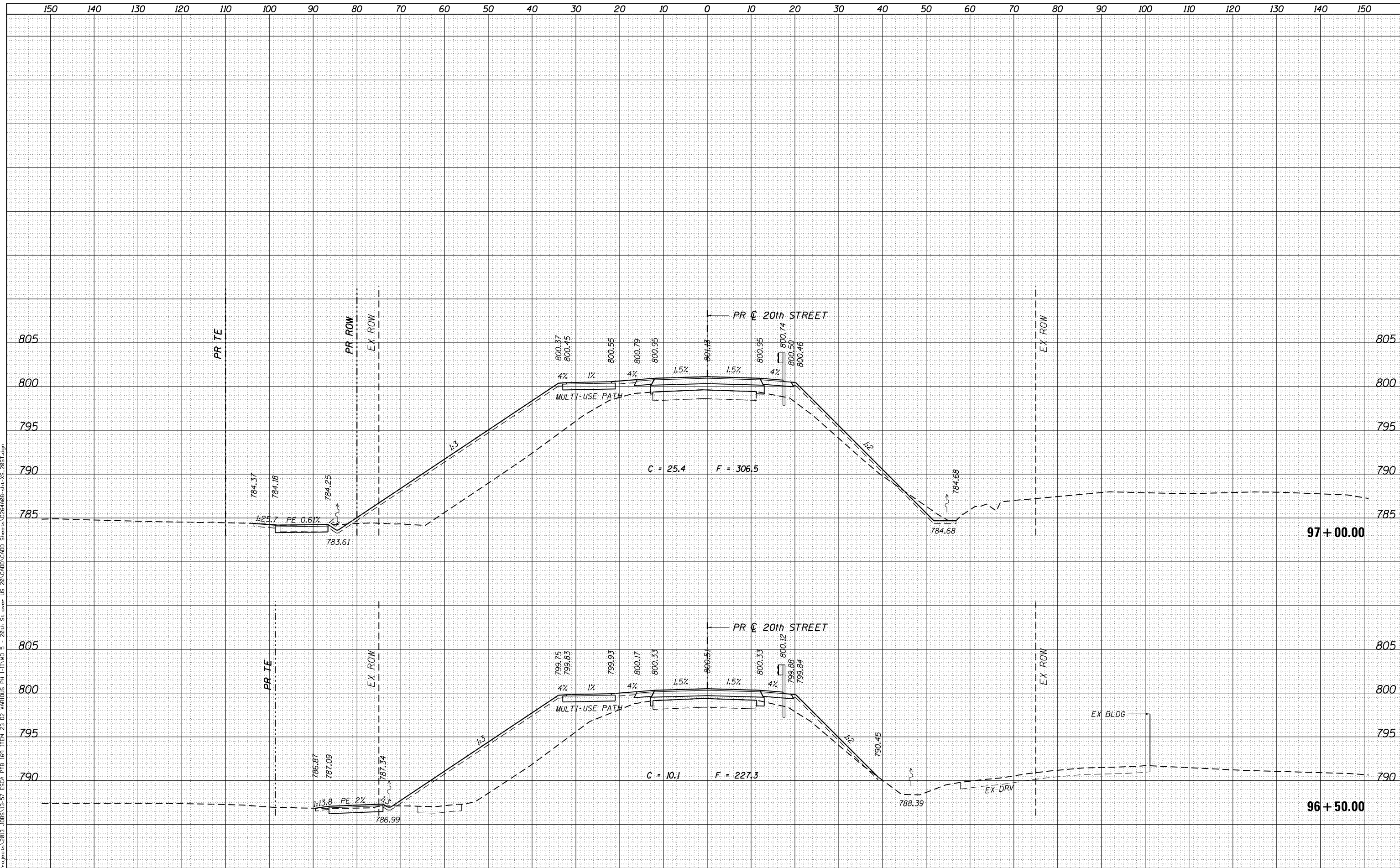
ILLINOIS FED. AID PROJECT



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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2020\JOBS\13-57\_ES&H\_P1B\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 20TH STREET  
 SCALE: 10H x 5V SHEET 6 OF 19 SHEETS STA. 96+50.00 TO STA. 97+00.00

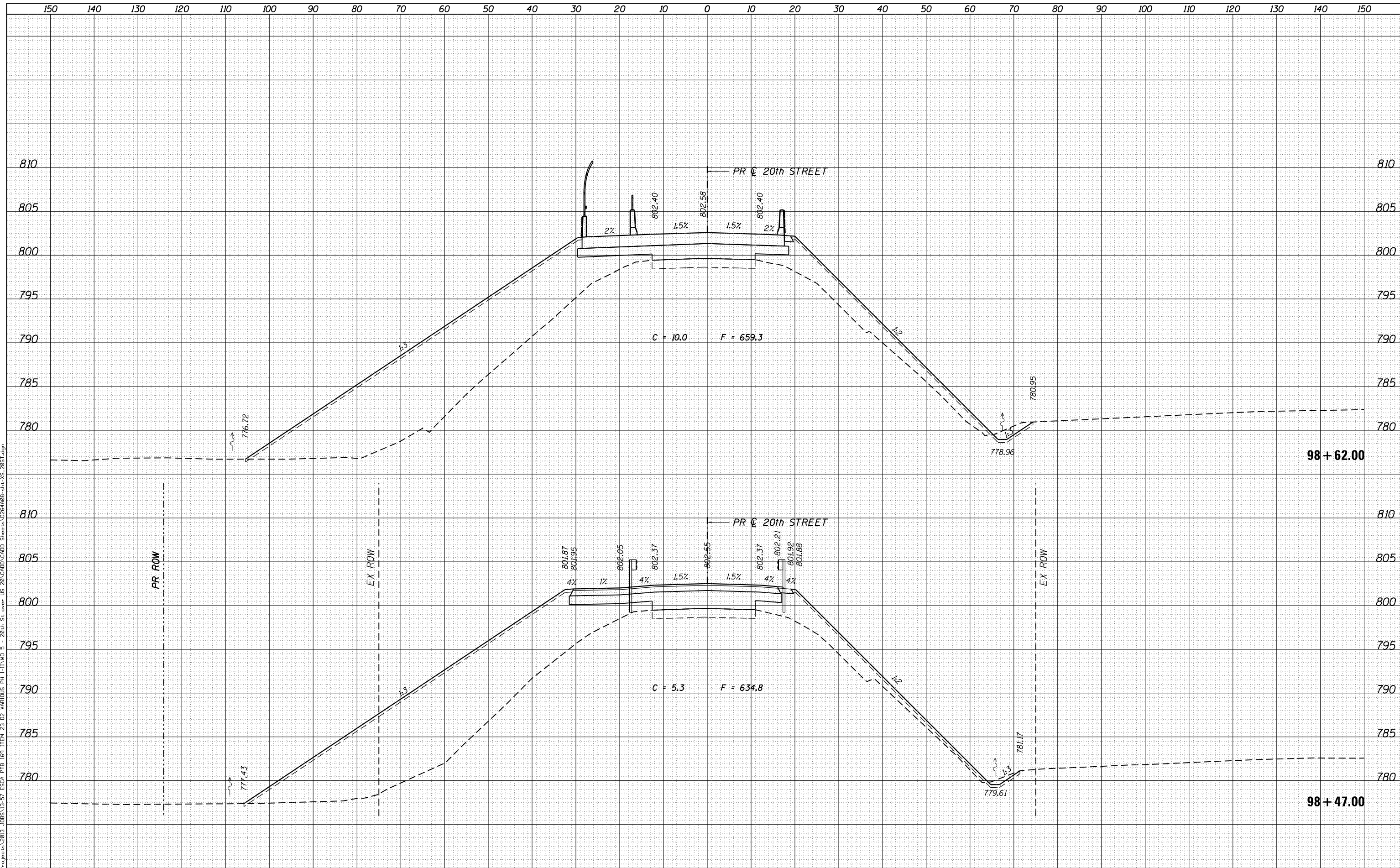
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	125
				CONTRACT NO. 64A08
ILLINOIS FED. AID PROJECT				



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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2020\JOBS\13-57\_ES&A\_PTB\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

**CROSS SECTIONS**  
**20TH STREET**

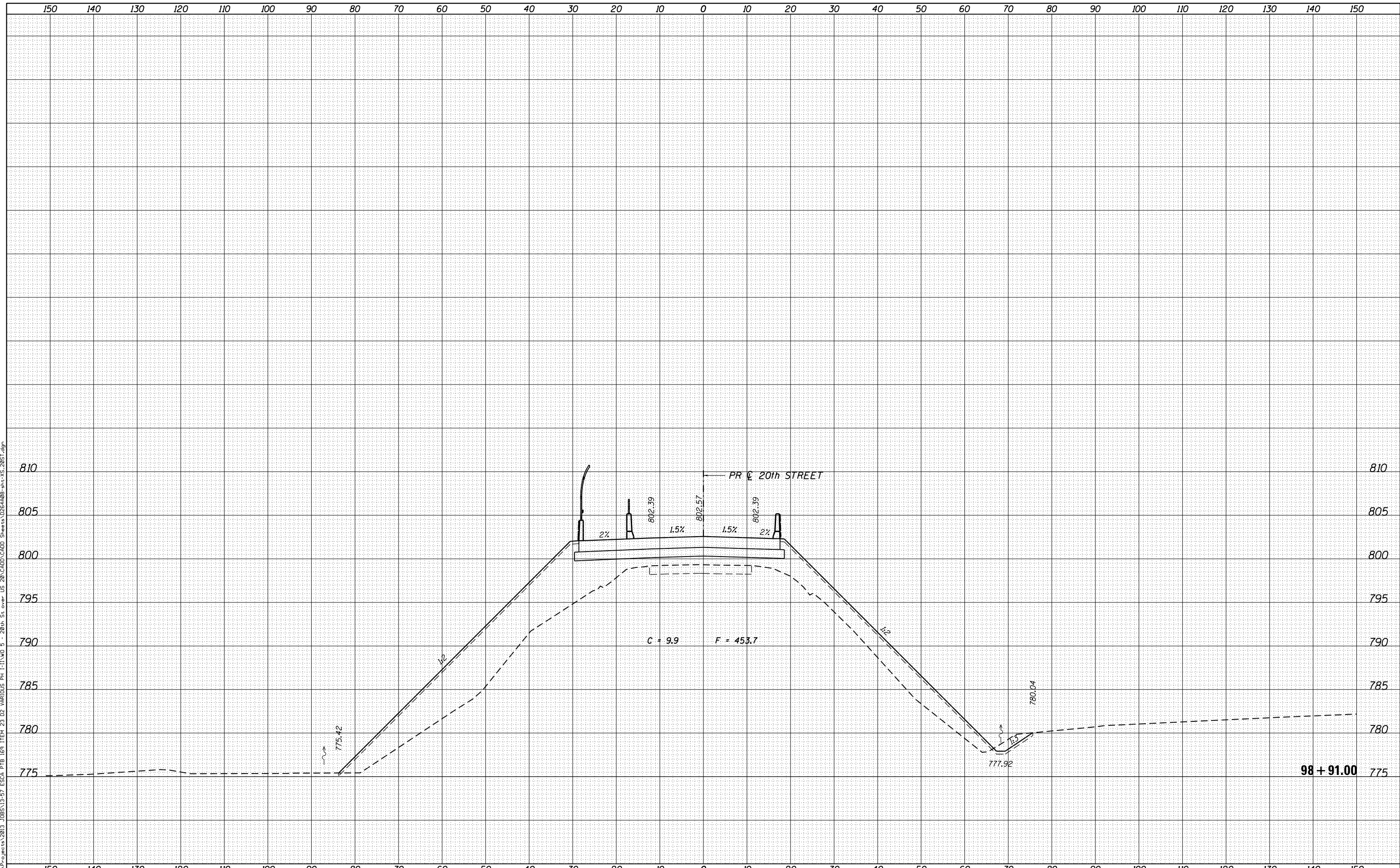
SCALE: 10H x 5V SHEET 8 OF 19 SHEETS STA. 98+52.00 TO STA. 98+62.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	127
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				

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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2013 JOBS\13-57 ESCA\PTB 169 ITEM 23 D2 VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-2051.dgn



USER NAME = FNeilson	DESIGNED - FBN	REVISIED -
FILE NAME = D264A08-sht-XS-2051.dgn	DRAWN - SM	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISIED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISIED -

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

SCALE: 10H x 5V		SHEET 9 OF 19 SHEETS	STA. 98+91.00 TO STA. 98+91.00
-----------------	--	----------------------	--------------------------------

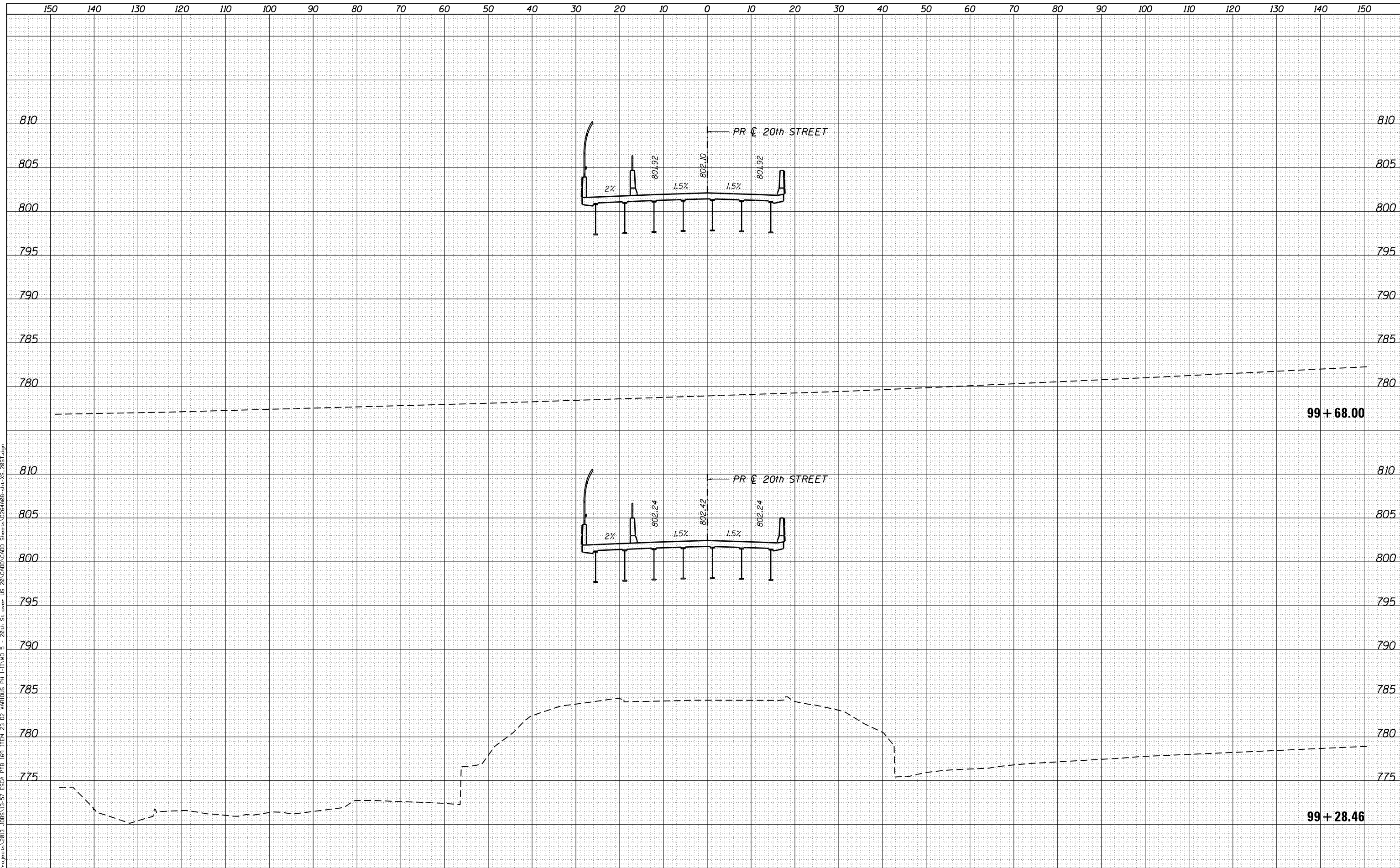
**CROSS SECTIONS**  
**20TH STREET**

F.A.P. RTE. 301	SECTION 4-HBR	COUNTY WINNEBAGO	TOTAL SHEETS 148	SHEET NO. 128
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DRIVER = I:\01\_PDF.plt;g  
FILE NAME = S:\projects\2013\JOBS\13-57\_ES&H\_P1B\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = FNeelson  
FILE NAME = D264A08-sht-XS-20ST.dgn  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 6/12/2020

DESIGNED - FBN  
DRAWN - SM  
CHECKED - MCV  
DATE - 6/12/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
20TH STREET

SCALE: 10H x 5V SHEET 10 OF 19 SHEETS STA. 99+28.46 TO STA. 99+68.00

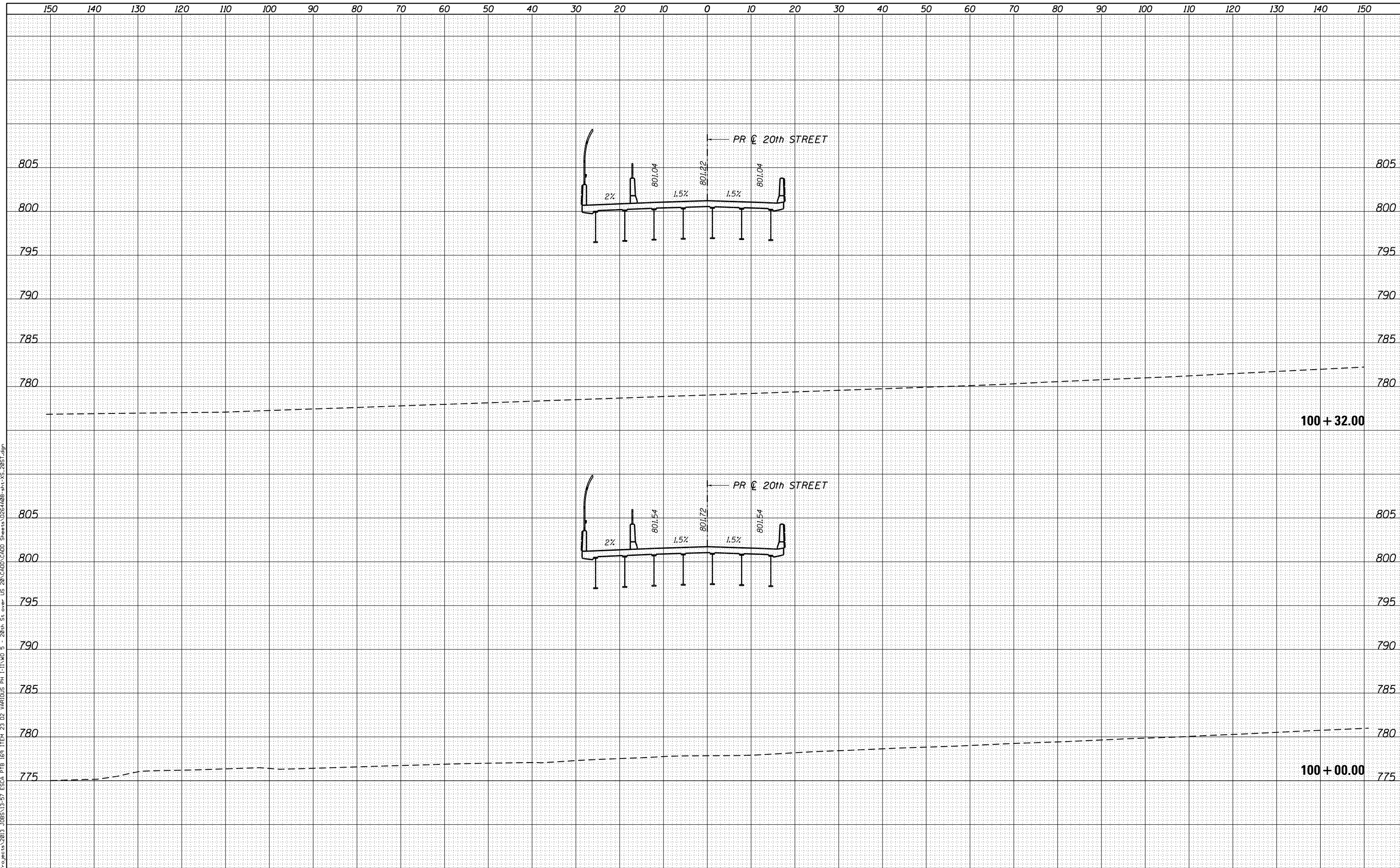
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	129
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				



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

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

PLOT DRIVER = J001\_PDF.plt;g  
FILE NAME = S:\projects\2013\_JOBS\13-57\_ES&H\_PIB\_169\_ITEM\_23\_D2\_VARIOUS PH [1]WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-XS-20ST.dgn	DRAWN - SM	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
20TH STREET**

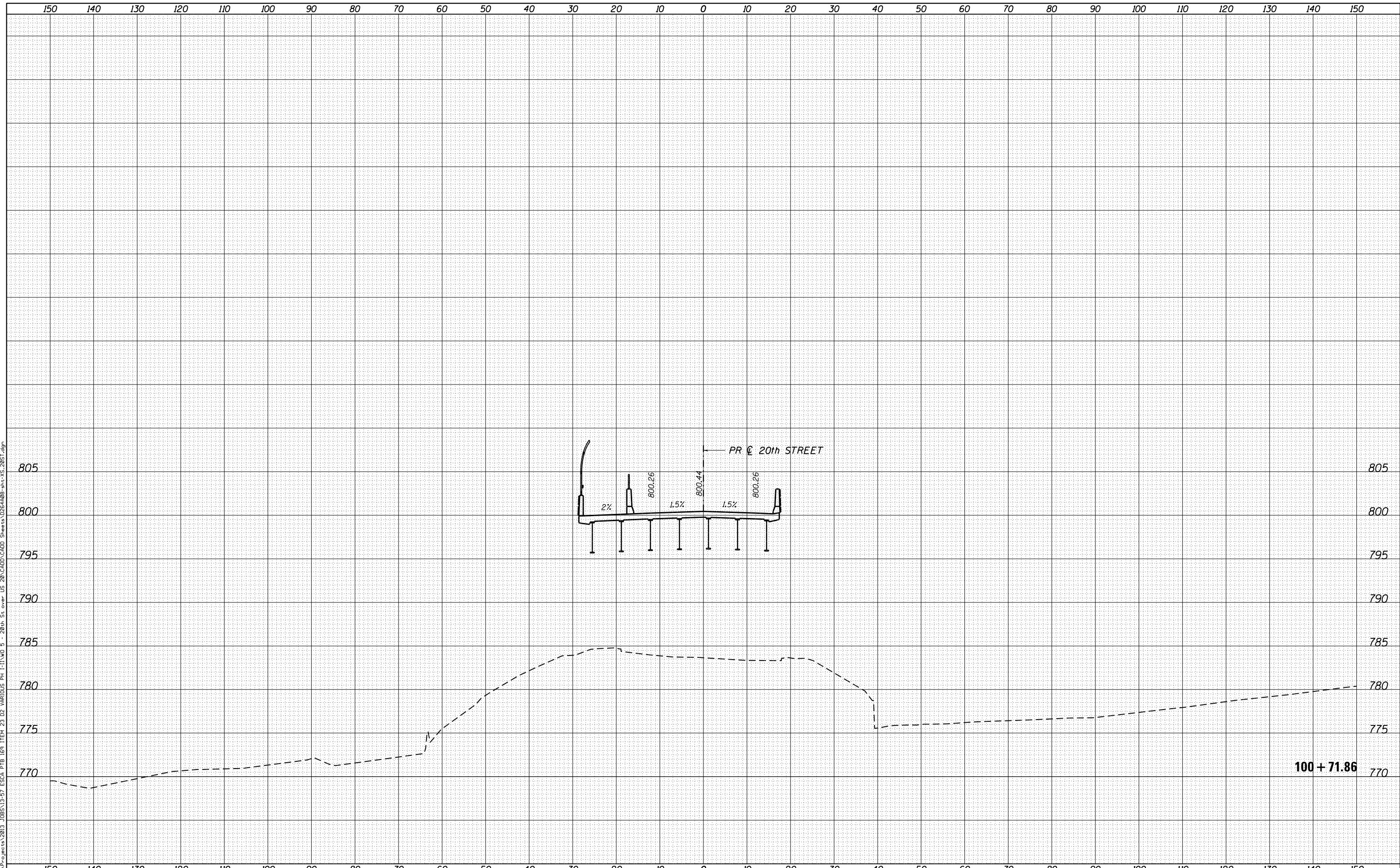
SCALE: 10H x 5V SHEET 11 OF 19 SHEETS STA. 100+00.00 TO STA. 100+32.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	130
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				

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

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

PLOT DRIVER = J001\_PDF.plt;g  
FILE NAME = S:\projects\2013 JOBS\13-57 ESCA\PTB 169 ITEM 23 D2 VARIOUS PH [1]WD 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-2051.dgn



USER NAME = FNeelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-XS-2051.dgn	DRAWN - SM	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
20TH STREET**

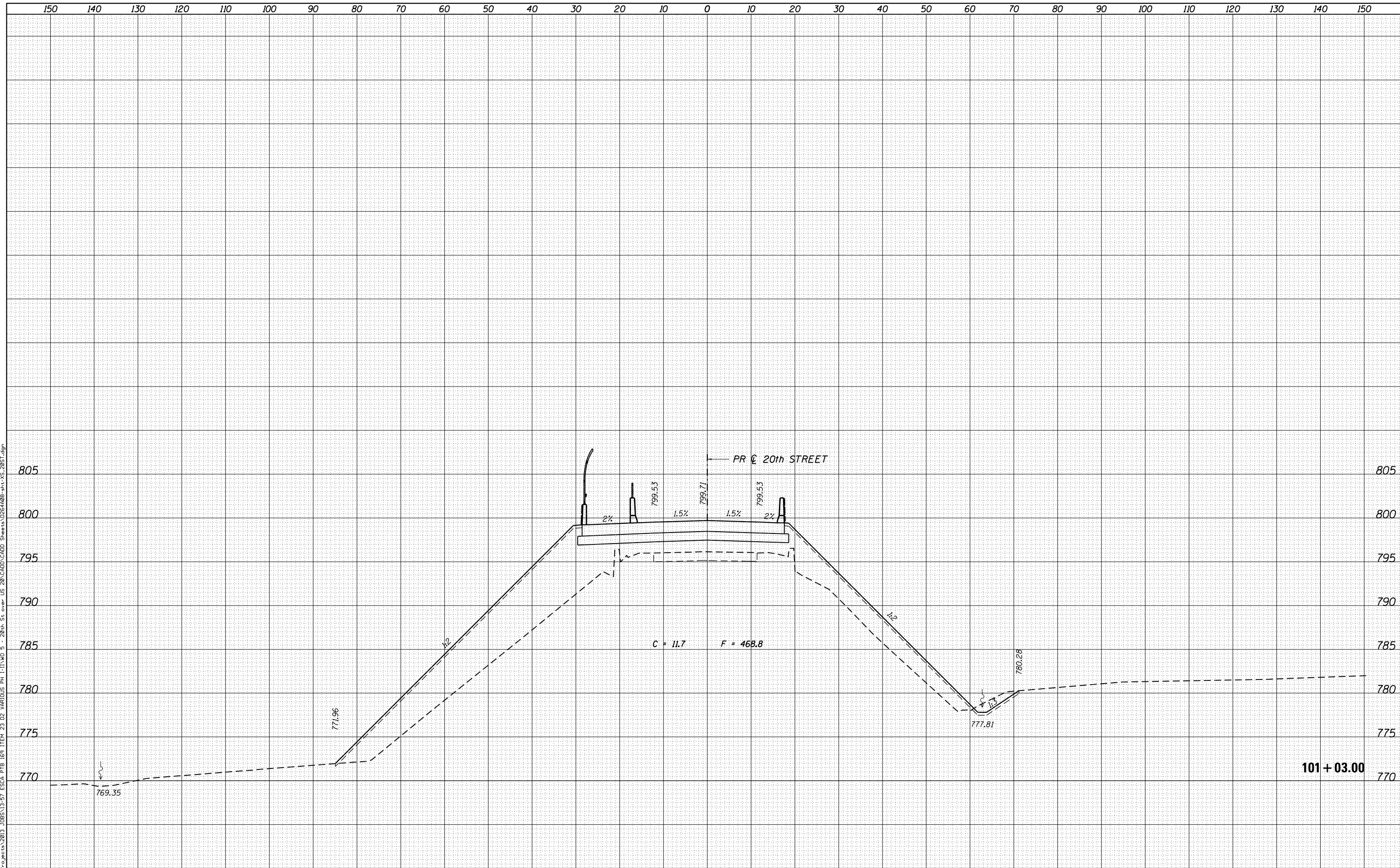
SCALE: 10H x 5V SHEET 12 OF 19 SHEETS STA. 100+71.86 TO STA. 100+71.86

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	131
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				

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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2013\JOBS\13-57\_ES&H\_PTB\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-2051.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-2051.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 20TH STREET**

SCALE: 10H x 5V    SHEET 13 OF 19 SHEETS    STA. 101+03.00 TO STA. 101+03.00

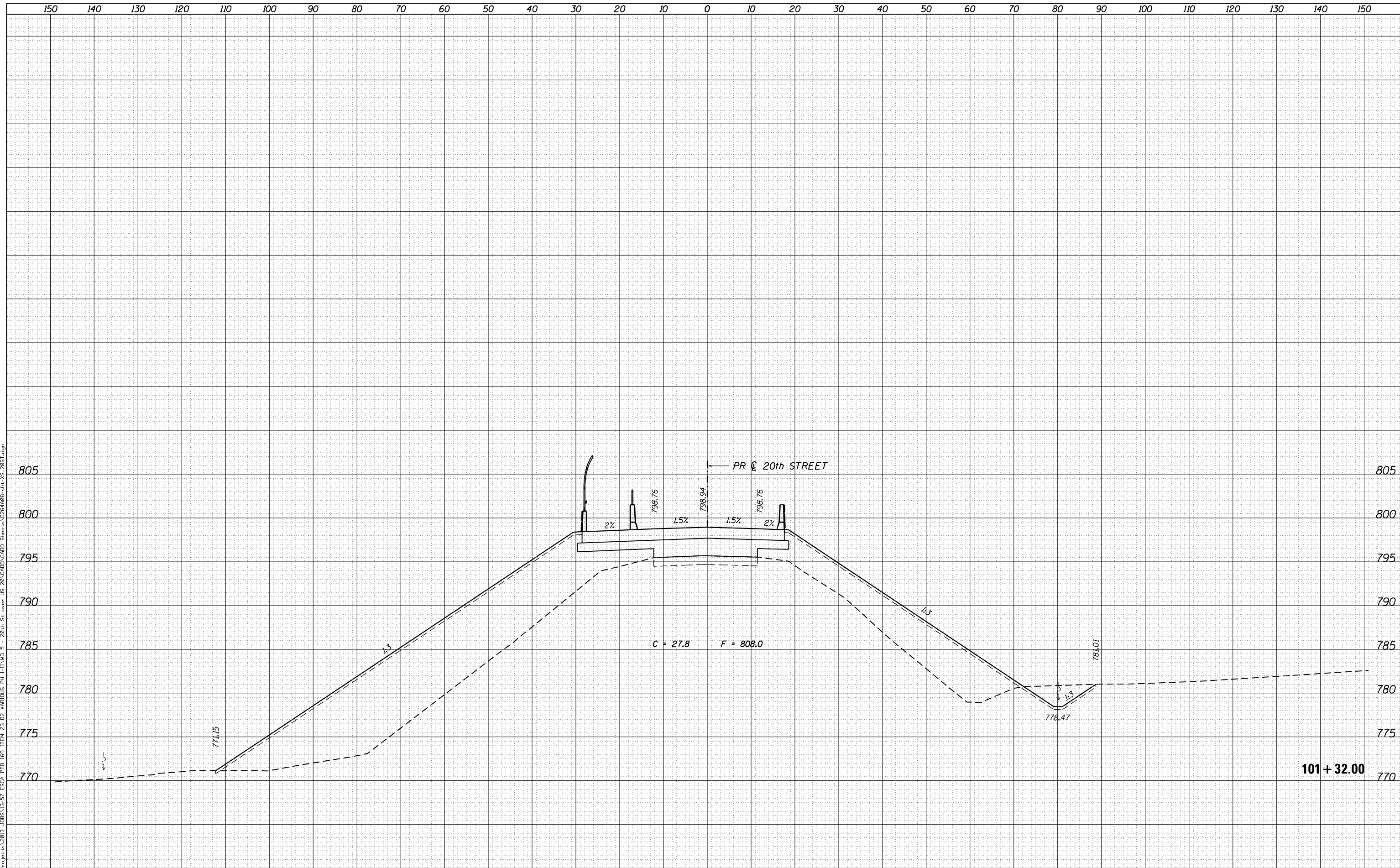
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	132
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	



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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2013\JOBS\13-57\_ESCH\_PTB\_169\_ITEM\_23\_D2\_VARIOUS PH [1]WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



101 + 32.00



USER NAME = FNeilson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

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

**CROSS SECTIONS**  
**20TH STREET**

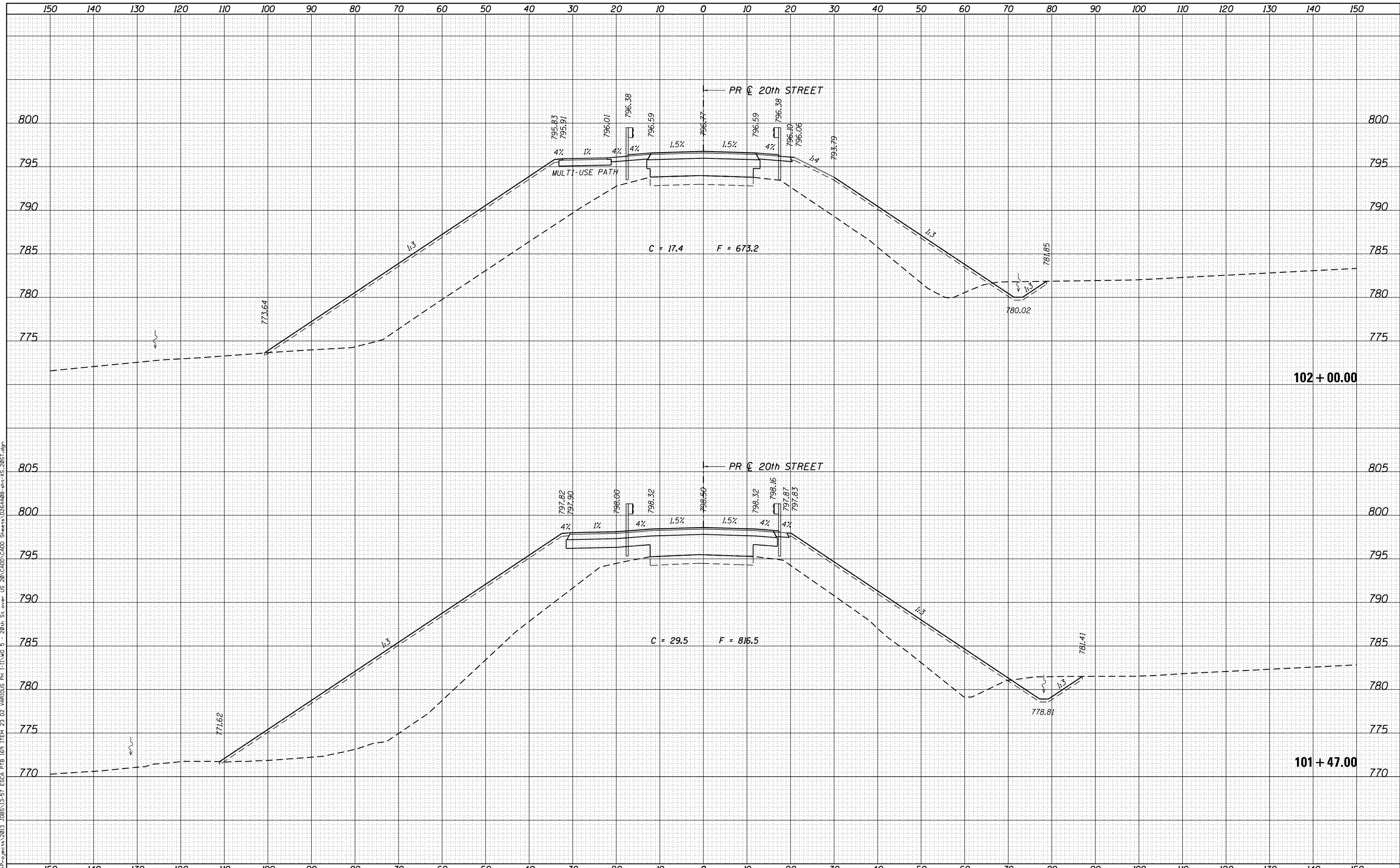
SCALE: 10H x 5V SHEET 14 OF 19 SHEETS STA. 101+32.00 TO STA. 101+32.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	133
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2013 JOBS\13-57 ESCA PTB 169 ITEM 23 D2 VARIOUS PH I-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 20TH STREET

SCALE: 10H x 5V SHEET 15 OF 19 SHEETS STA. 101+42.00 TO STA. 102+00.00

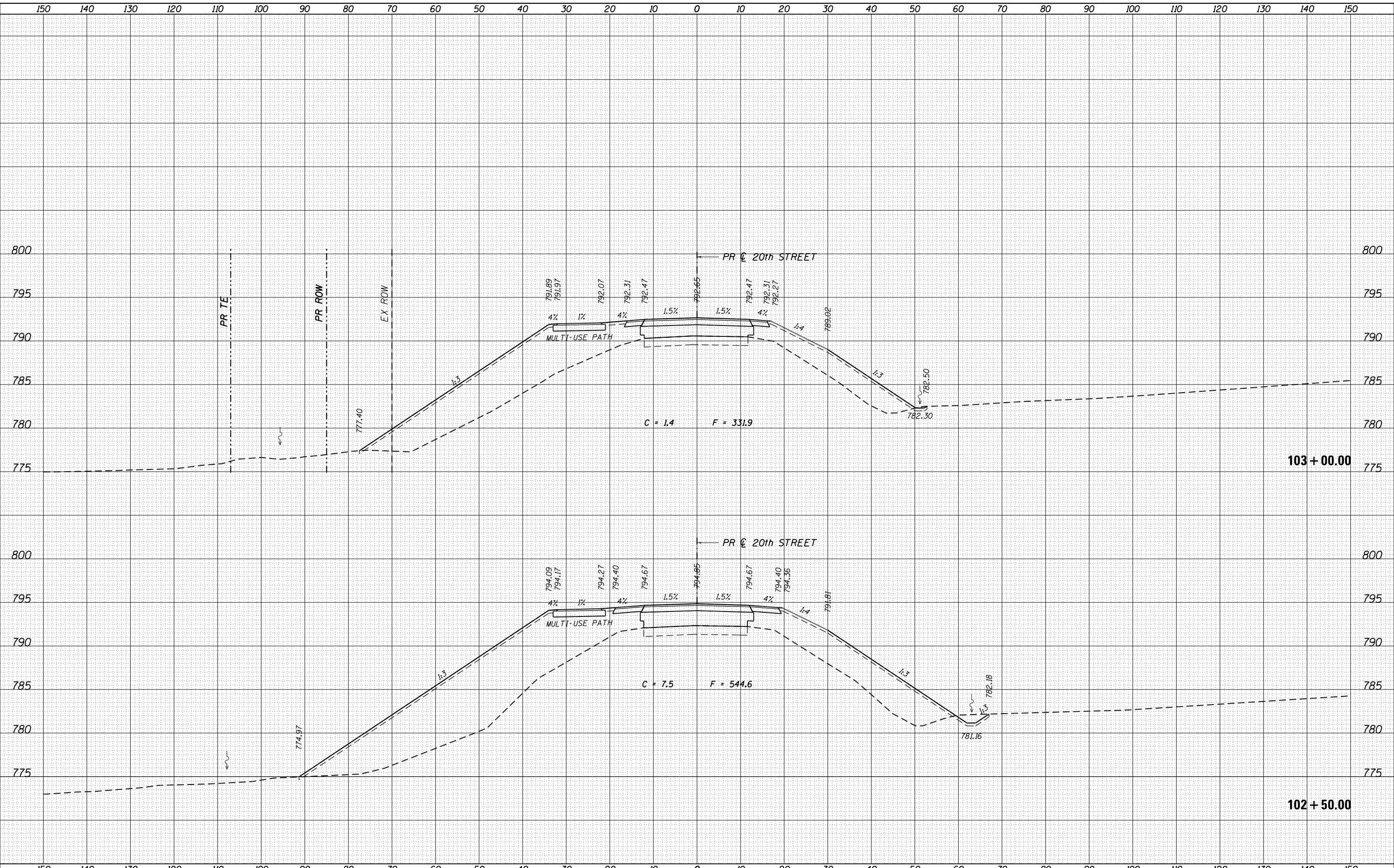
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	134
CONTRACT NO. 64A08				

ILLINOIS FED. AID PROJECT

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

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2015\JOBS\13-57\_ES&H\_PTB\_169\_ITEM\_23\_D2\_VARIOUS PH [1]WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-205T.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-205T.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
20TH STREET

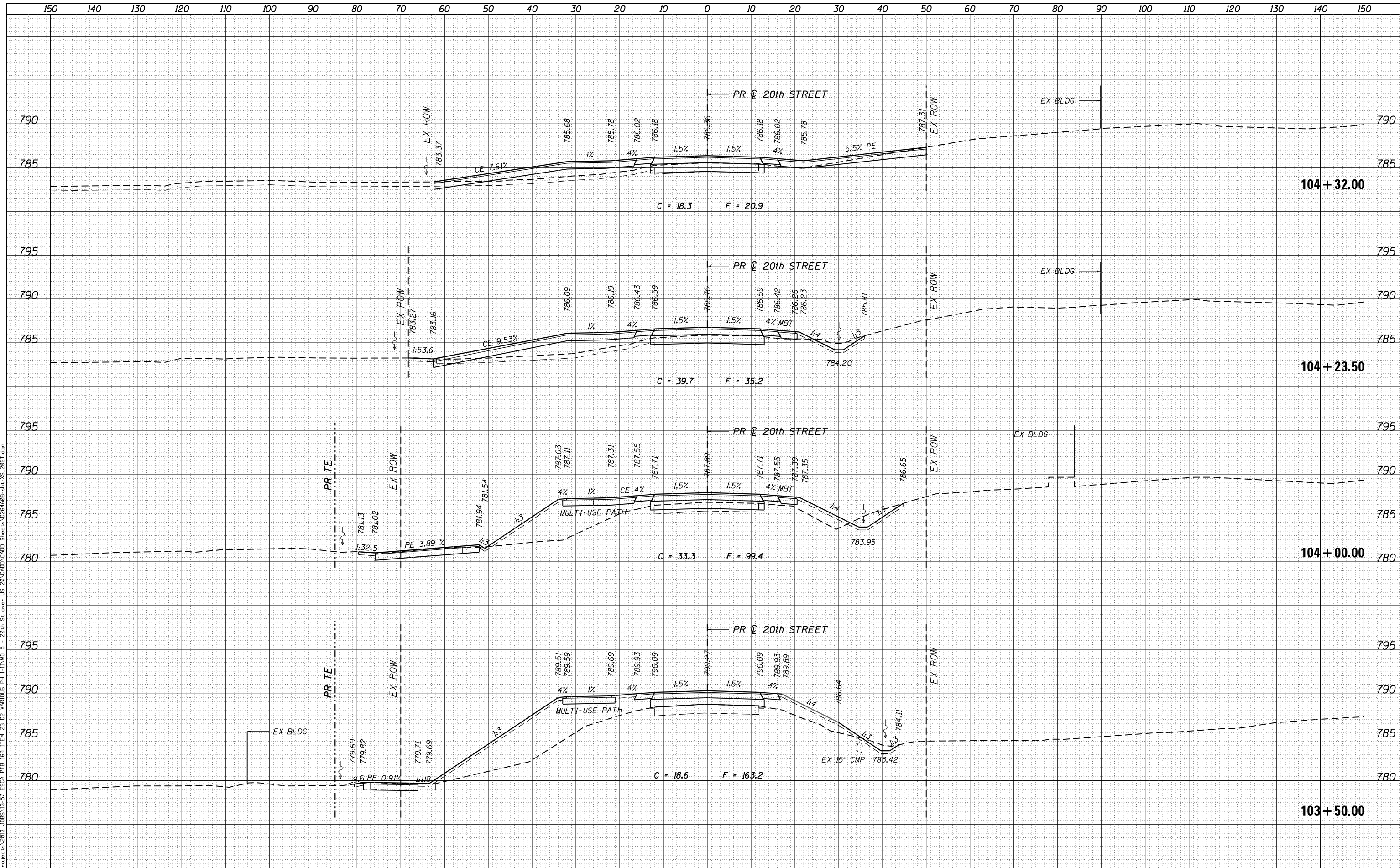
SCALE: 10H x 5V SHEET 16 OF 19 SHEETS STA. 102+50.00 TO STA. 103+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	135
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	

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

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

PLOT DRIVER = I:\01\_PDF.plt;g  
 FILE NAME = S:\projects\2013\_JOBS\13-57\_ES&H\_P1B\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-shr-t-20ST.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-shr-t-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 20TH STREET  
 SCALE: 10H x 5V SHEET 17 OF 19 SHEETS STA. 103+50.00 TO STA. 104+32.00

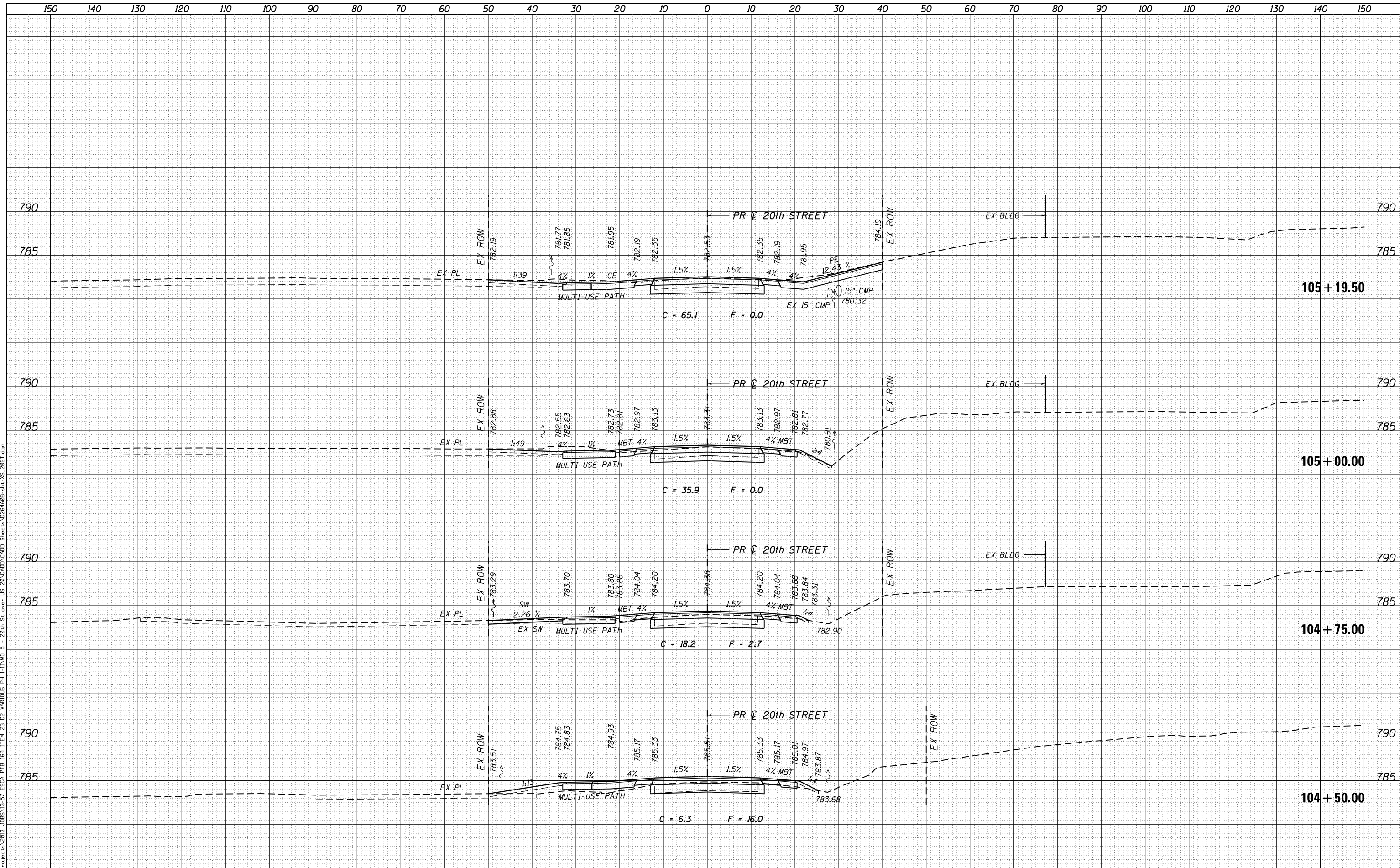
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	136
CONTRACT NO. 64A08			ILLINOIS FED. AID PROJECT	



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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

PLOT DRIVER = I:\01\_PDF.plt;g  
 FILE NAME = S:\projects\2013 JOBS\13-57 ESC4 PTB 169 ITEM 23 D2 VARIOUS PH I-11\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

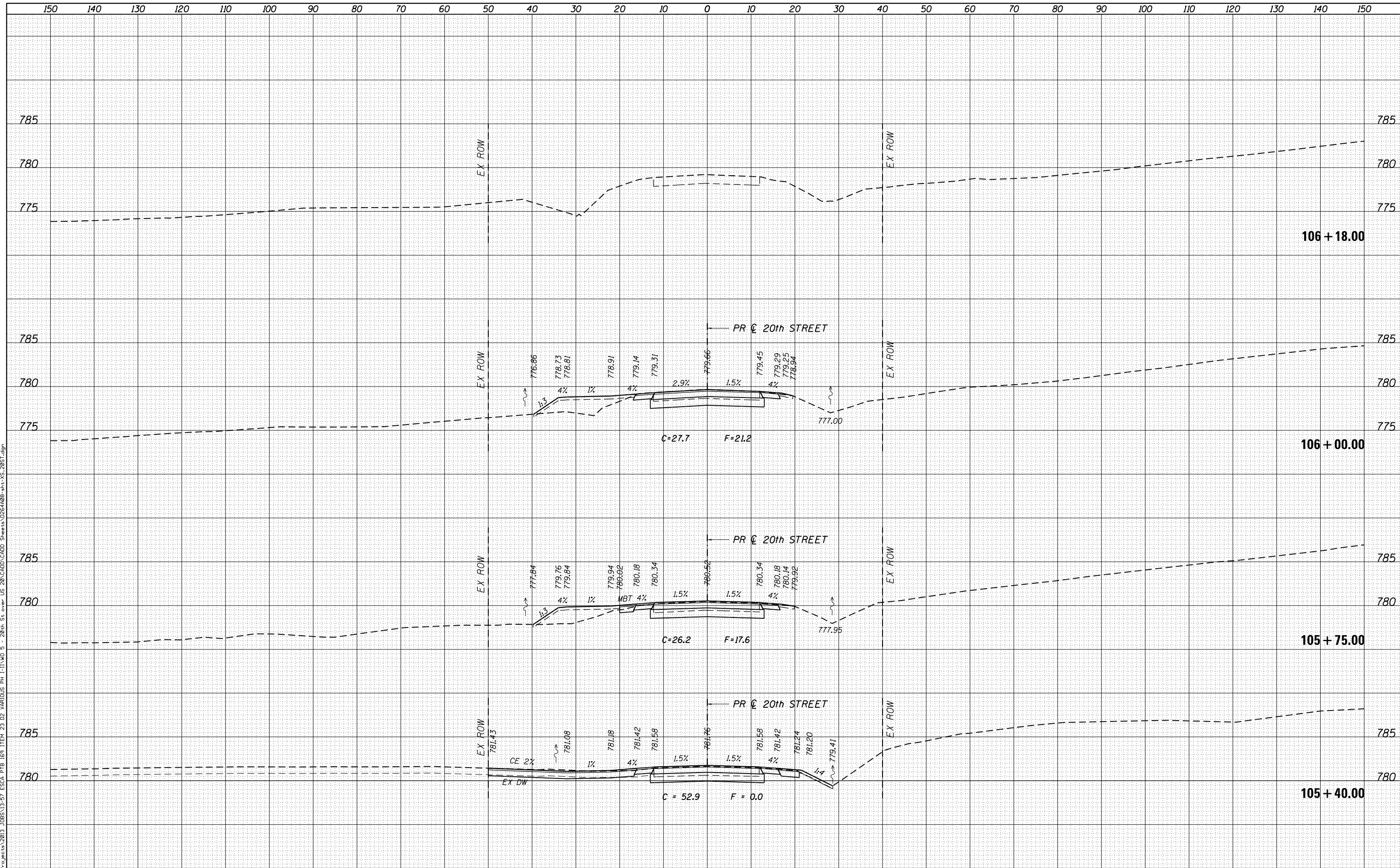
CROSS SECTIONS  
 20TH STREET  
 SCALE: 10H x 5V SHEET 18 OF 19 SHEETS STA. 104+50.00 TO STA. 105+19.50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	137
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2013\JOBS\13-57\_ESC4\_P1B\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 20th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-20ST.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-20ST.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 20TH STREET  
 SCALE: 10H x 5V SHEET 19 OF 19 SHEETS STA. 105+40.00 TO STA. 106+18.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	138
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				



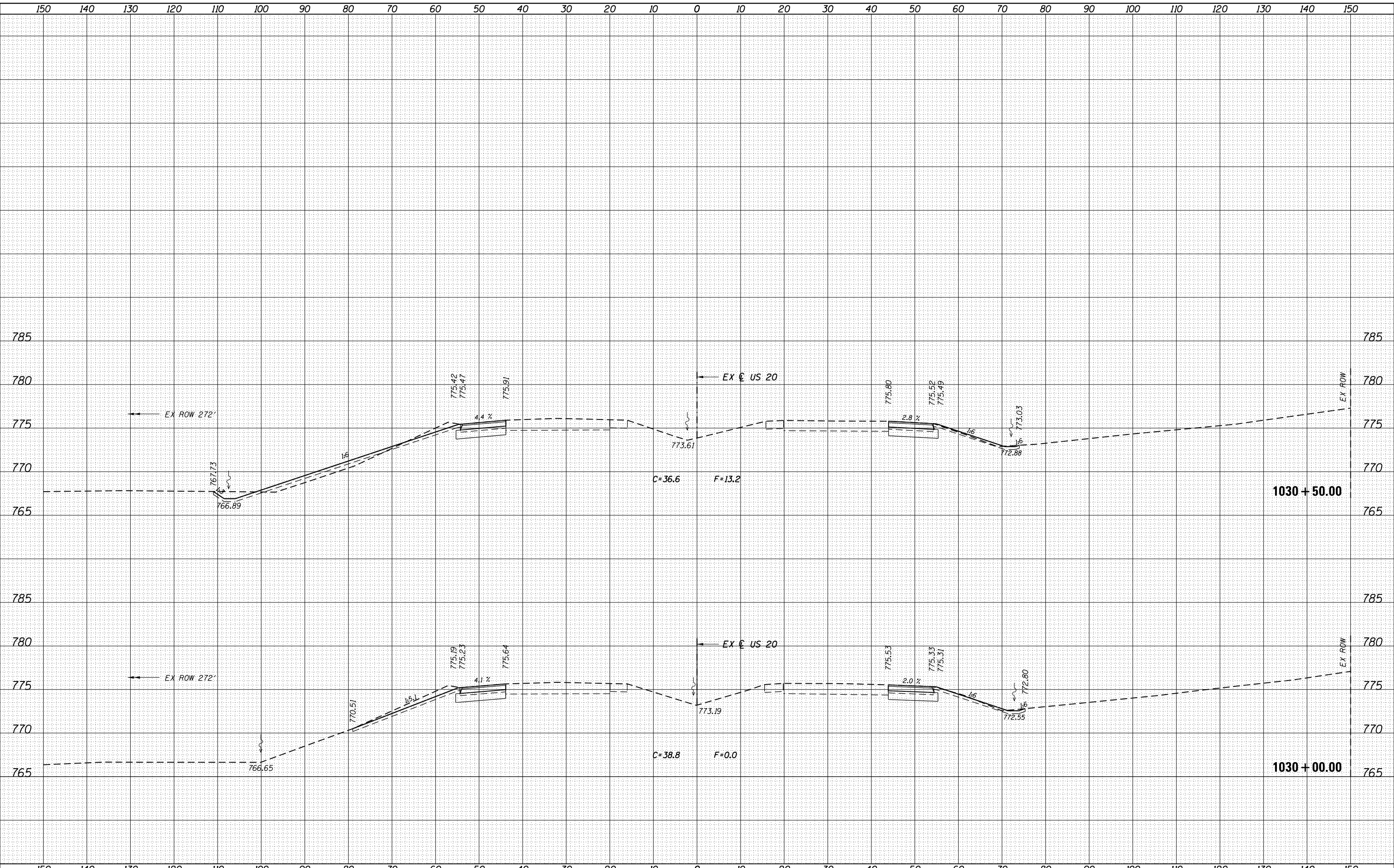




DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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

PLOT DRIVER = I:\001\_PDF.plt;g  
 FILE NAME = S:\projects\2020\JOBS\13-57\_ES&H\_PIB\_169\_ITEM\_23\_D2\_VARIOUS\_PHI [11]WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-US20.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-US20.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

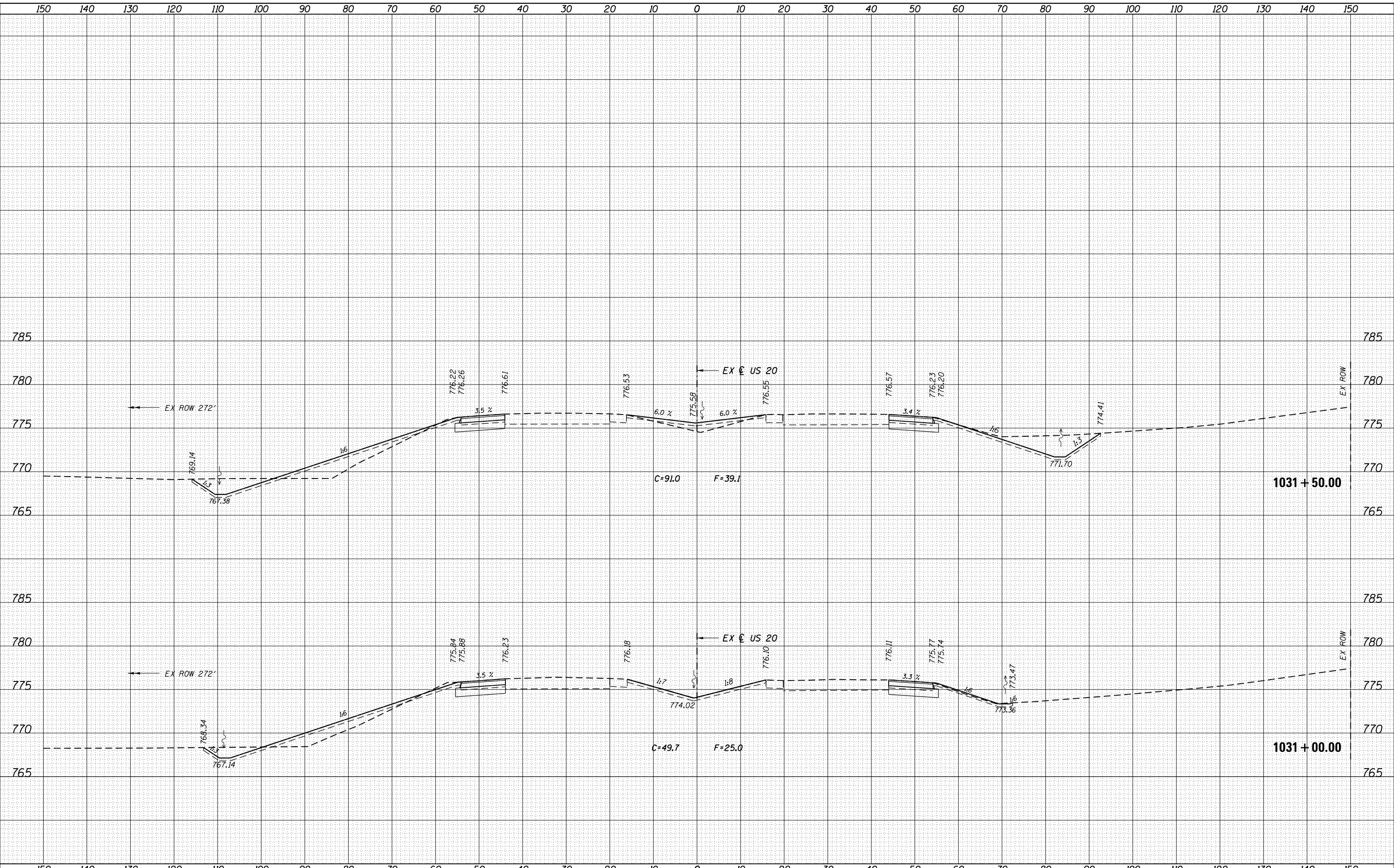
**CROSS SECTIONS  
 US ROUTE 20**  
 SCALE: 10H x 5V SHEET 3 OF 10 SHEETS STA. 1030+00.00 TO STA. 1030+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	141
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				

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

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

PLOT DRIVER = I:\01\_PDF.plt;g  
 FILE NAME = S:\projects\2020\JOBS\13-57\_ES&H\_PIB\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-US20.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-US20.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 US ROUTE 20**

SCALE: 10H x 5V SHEET 4 OF 10 SHEETS STA. 1031+00.00 TO STA. 1031+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	142
			CONTRACT NO. 64A08	

ILLINOIS FED. AID PROJECT

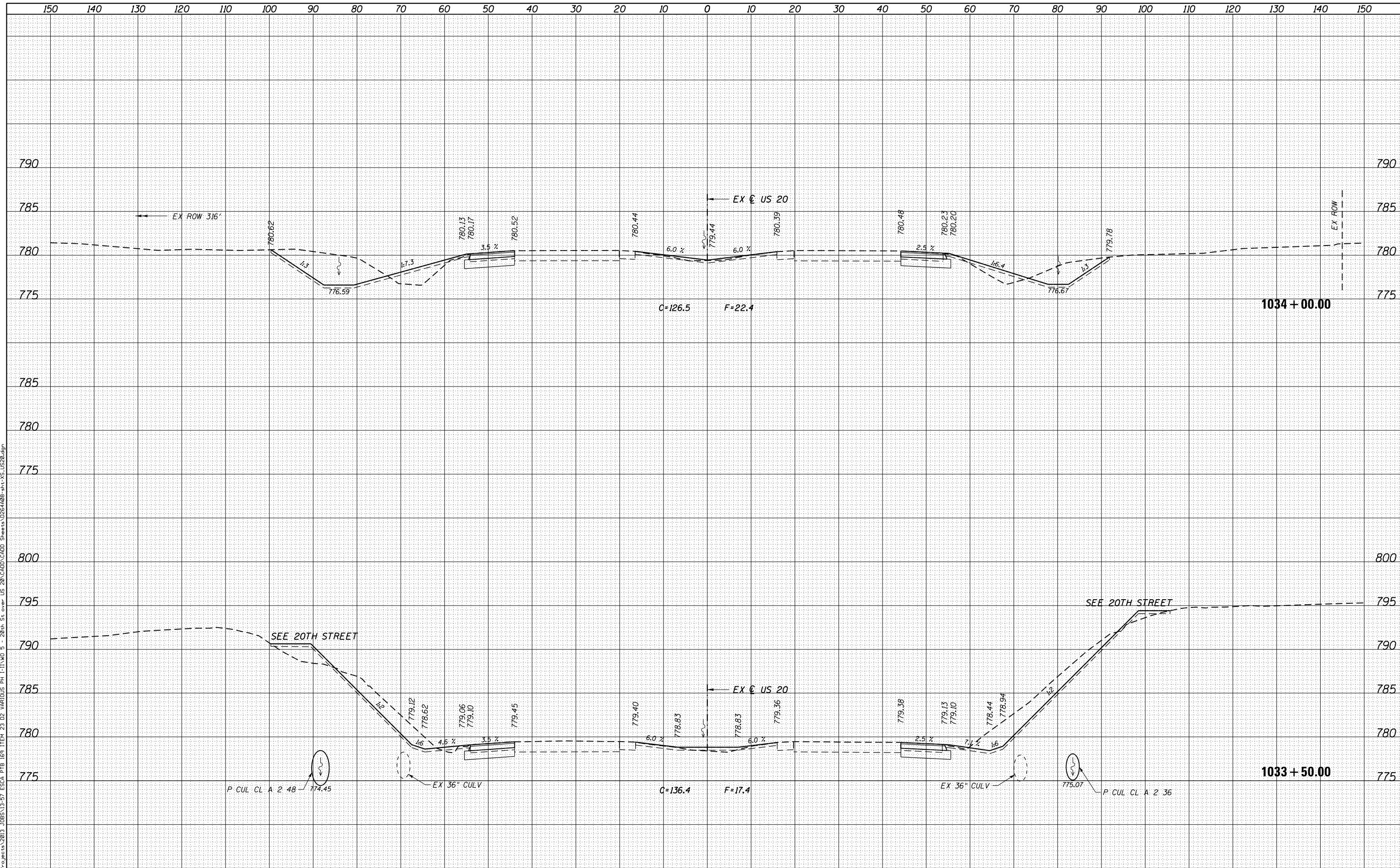




DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

PLOT DRIVER = J001\_PDF.plt;g  
FILE NAME = S:\projects\2013\_JOBS\13-57\_ES&H\_PTB\_169\_ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-US20.dgn



USER NAME = Fnelson	DESIGNED - FBN	REVISED -
FILE NAME = D264A08-sht-XS-US20.dgn	DRAWN - SM	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MCV	REVISED -
PLOT DATE = 6/12/2020	DATE - 6/12/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS US ROUTE 20</b>			
SCALE: 10H x 5V	SHEET 7 OF 10 SHEETS	STA. 1033+50.00 TO STA. 1034+00.00	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	145
				CONTRACT NO. 64A08
ILLINOIS FED. AID PROJECT				



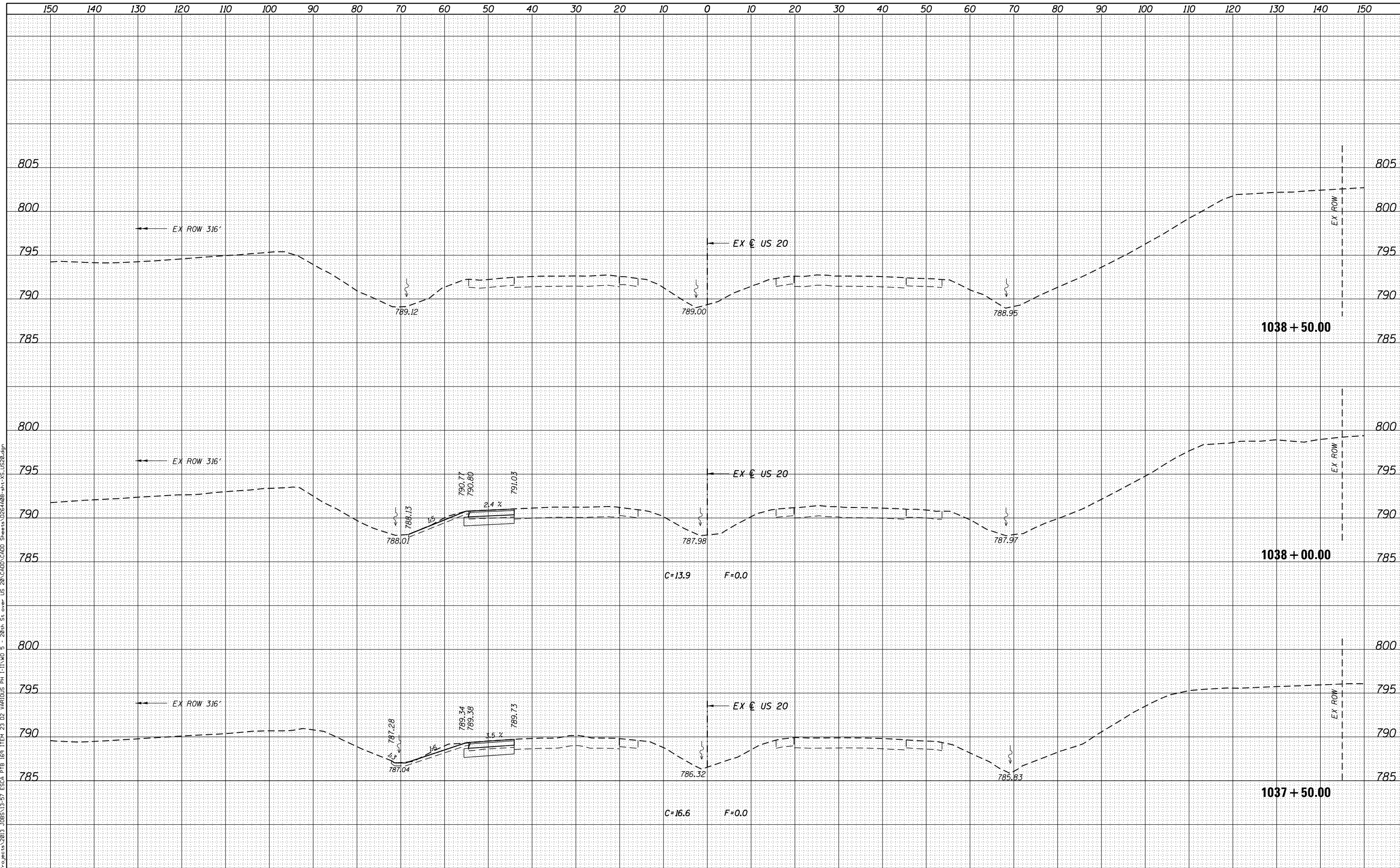




DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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

PLOT DRIVER = J001\_PDF.plt;g  
 FILE NAME = S:\projects\2020\JOBS\13-57\_ESCH\_PTB\_169\ITEM\_23\_D2\_VARIOUS PH [1]1\WD 5 - 28th St over US 20\CADD\CADD Sheets\0264A08-sht-XS-US20.dgn



USER NAME = Fnelson  
 FILE NAME = D264A08-sht-XS-US20.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 6/12/2020

DESIGNED - FBN  
 DRAWN - SM  
 CHECKED - MCV  
 DATE - 6/12/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 US ROUTE 20**  
 SCALE: 10H x 5V SHEET 10 OF 10 SHEETS STA. 1037+50.00 TO STA. 1038+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	4-HBR	WINNEBAGO	148	148
			CONTRACT NO. 64A08	
ILLINOIS FED. AID PROJECT				