

F.A.U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5154	04-00343-00-PV	WINNEBAGO	42	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

85414

**INDEX OF SHEETS**

- 1 COVER SHEET AND INDEX OF SHEETS
- 2 SUMMARY OF QUANTITIES
- 3-6 TYPICAL SECTIONS
- 7-9 SCHEDULES OF QUANTITIES & GENERAL NOTES
- 10-18 PLAN AND PROFILE - BELTLINE ROAD
- 19-21 STAGING DETAILS
- 22-41 CROSS SECTIONS - BELTLINE RECONSTRUCTION
- 42 STANDARD WHA 630 - INLETS, SPECIAL

**IDOT STANDARDS**

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-03 TEMPORARY EROSION CONTROL SYSTEMS
- 406201 MAILBOX TURNOUT
- 542301-01 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542311 GRATING FOR CONCRETE FLARED END SECTION (FOR 600 MM (24") THRU 1350 MM (54") PIPE)
- 542401 METAL END SECTION FOR PIPE CULVERTS
- 606001-03 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606006-01 OUTLETS FOR CONCRETE CURB AND GUTTER
- 630001-07 STEEL PLATE BEAM GUARDRAIL
- 630101-07 GUARDRAIL MOUNTED ON EXISTING STRUCTURES
- 630301-04 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-01 REFLECTOR MARKER AND MOUNTING DETAILS
- 701001-01 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
- 701006-02 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701011-01 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
- 701101-01 OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701201-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701301-02 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS > 45MPH
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS > 45 MPH
- 701331-02 LANE CLOSURE, 2L, 2W, WITH RUN-AROUND, FOR SPEEDS > 45 MPH
- 702001-06 TRAFFIC CONTROL DEVICES
- 720011 METAL POSTS FOR SIGNS, MARKERS & DELINATORS
- 728001 TELESCOPING STEEL SIGN SUPPORT
- 729001 APPLICATIONS OF TYPES A & B METAL POSTS(FOR SIGNS & MARKERS)
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

STATE OF ILLINOIS  
COUNTY OF WINNEBAGO  
PLANS FOR PROPOSED  
LOCAL AGENCY IMPROVEMENTS  
FEDERAL-AID SECONDARY PROJECT  
SECTION 04-00343-00-PV  
BELTLINE ROAD  
F.A.U. ROUTE 5154, C.H. 11  
PROJECT M-5099 (69)  
JOB NO. C-92-054-07  
CONTRACT NO. 85414  
2007

**SCALES:**

- PLAN HORIZ. 1" = 50'
- 1" = 20'
- PROFILE HORIZ. 1" = 50'
- 1" = 20'
- PROFILE VERT. 1" = 5'
- CROSS SECTIONS 1" = 5', 10', 20'

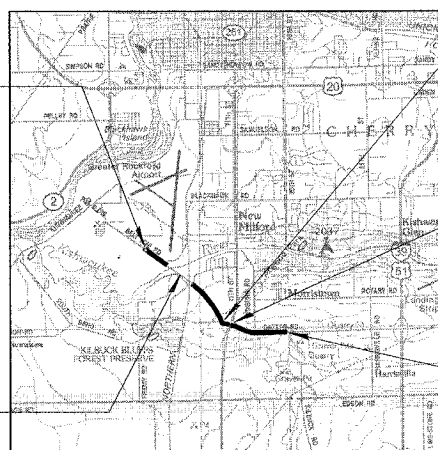
SECTION 04-00343-00-PV  
BEGINS AT STA. 102+50.00

STA. EQ - STA. 187+72.13 BK =  
STA. 190+22.79 AH (-250.66')

IL RT. 251 OMISSION STA.  
198+25 - 202+00 (-375')

BRIDGE OMISSION STA.  
123+65 - 154+00 (-3,035')

SECTION 04-00343-00-PV  
ENDS AT STA. 247+14.11

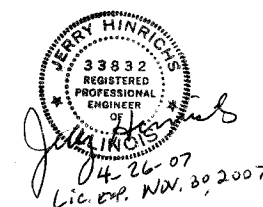


**LOCATION MAP**

GROSS LENGTH = 14,213.45 FEET = 2.69 MILES  
NET LENGTH = 10,803.45 FEET = 2.05 MILES



DESIGN SPEED: 55 MPH - BELTLINE/BAXTER ROAD		
CLEAR ZONE: 10' BEYOND TOE OF SLOPE		
FUNCTIONAL CLASSIFICATION	HIGHWAY	ADT (2027)
MINOR ARTERIAL	BELTLINE/BAXTER ROAD	5,300 (20% TRUCKS)



APPROVED *[Signature]* 2007  
LOCAL AGENCY OFFICIAL  
PASSED *[Signature]* May 1, 2007 2007  
DISTRICT ENGINEER OF LOCAL ROADS & STREETS  
RELEASING FOR BID  
BASED ON LIMITED REVIEW *[Signature]* May 1, 2007 2007  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WHA #1216D06

PLANS PREPARED BY  
**WILLETT, HOFMANN & ASSOCIATES, INC.**  
CONSULTING ENGINEERS  
Land Surveying - Transportation - Structural  
Environmental - Architecture  
809 East Second Street Dixon, Illinois 61021  
Phone 815.284.3381 Fax 815.284.3385  
Design Firm #184-000918  
www.willetthofmann.com

# SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE: I000

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5154	04-00343-00-PV	WINNEBAGO	42	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

85414

	CODE NO.	ITEM	UNIT	QUANTITY
1	20200410*	EARTH EXCAVATION (SPECIAL)	CU YD	2,845
2	20200500*	EARTH EXCAVATION (WIDENING)	CU YD	2,978
3	20201200*	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	200
4	25000350	SEEDING, CLASS 7	ACRE	1.22
5	25001000*	SEEDING, CLASS 2 (SPECIAL)	ACRE	1.22
6	28000300	TEMPORARY DITCH CHECKS	EACH	4
7	28100725	STONE DUMPED RIPRAP, CLASS B3	SQ YD	68
8	31101600*	SUB-BASE GRANULAR MATERIAL, TYPE B 8"	SQ YD	3,333
9	35100300*	AGGREGATE BASE COURSE, TYPE A 4"	SQ YD	3,333
10	35101400	AGGREGATE BASE COURSE, TYPE B	TON	410
11	35501303	HOT-MIX ASPHALT BASE COURSE, 4 3/4"	SQ YD	3,333
12	35600712	HOT-MIX ASPHALT BASE COURSE WIDENING 9"	SQ YD	3,312
13	40200800*	AGGREGATE SURFACE COURSE, TYPE B	TON	50
14	40600200*	BITUMINOUS MATERIALS (PRIME COAT)	TON	36
15	40600300	AGGREGATE (PRIME COAT)	TON	56
16	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	8,944
17	40600982*	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	710
18	40603085	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70	TON	1,301
19	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2,449
20	40800050*	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	814
21	44400100	FIBER GLASS FABRIC REPAIR SYSTEM	SQ YD	2,995
22	48100100	AGGREGATE SHOULDERS, TYPE A	TON	8,256
23	48203100	HOT-MIX ASPHALT SHOULDERS	TON	2,416
24	50100100*	REMOVAL OF EXISTING STRUCTURES	EACH	2
25	54205059*	PIPE CULVERTS, SPECIAL 24"	FOOT	98
26	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
27	54213879	STEEL END SECTIONS 24"	EACH	4
28	54247180*	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	1
29	60242400*	INLETS, SPECIAL	EACH	1
30	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	6.24
31	61140400*	STORM SEWERS, SPECIAL 15"	FOOT	64
32	Δ 63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	1,218.75
33	Δ 63000025*	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	100.0
34	Δ 63100167*	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	10
35	67100100	MOBILIZATION	L SUM	1
36	70101700*	TRAFFIC CONTROL AND PROTECTION	L SUM	1
37	70103800*	TRAFFIC CONTROL (SPECIAL)	L SUM	1
38	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	22
39	70300100	SHORT TERM PAVEMENT MARKING	FOOT	2,513
40	70300200	TEMPORARY PAVEMENT MARKING	FOOT	36,566
41	70301000	WORKZONE PAVEMENT MARKING REMOVAL	SQ FT	12,693
42	Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	36,566
43	Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	126
44	Δ 78200455	BIDIRECTIONAL GUARD RAIL REFLECTORS	EACH	16
45	Δ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	6
46	X0325295*	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24 (SPECIAL)	FOOT	511
47	Z0005400*	BREAKER-RUN CRUSHED STONE	TON	410
48	Z0013798*	CONSTRUCTION LAYOUT	L SUM	1

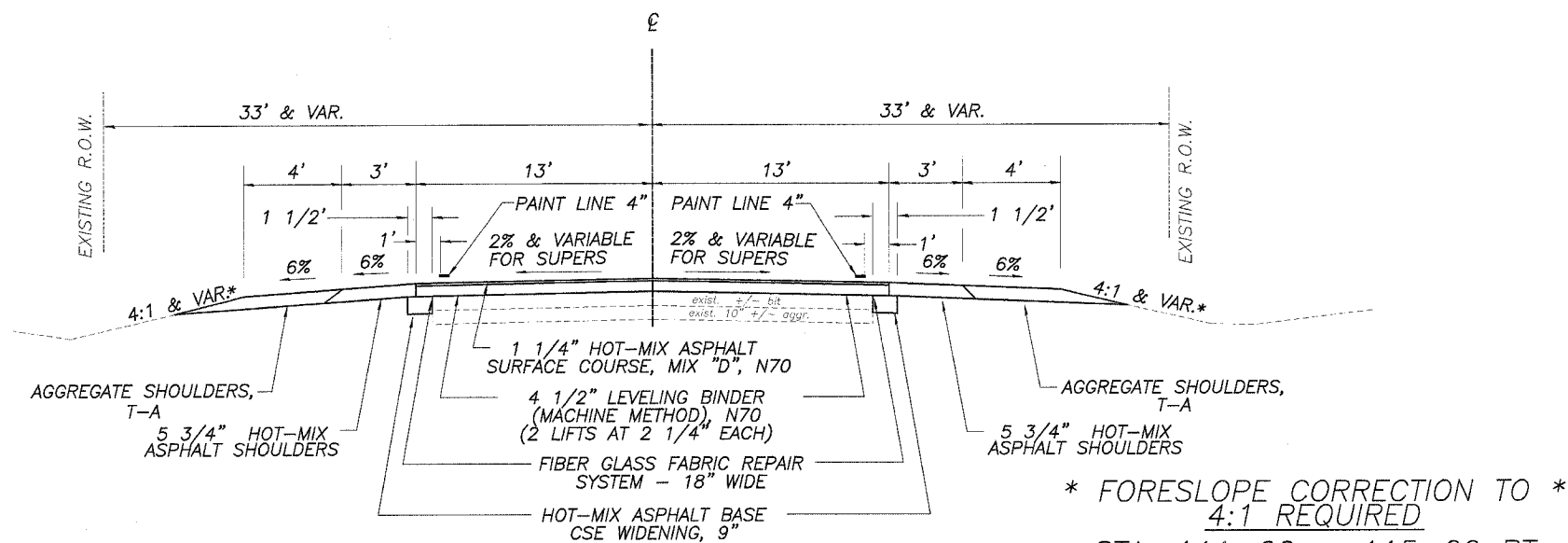
\* SPECIAL PROVISION PROVIDED Δ SPECIALTY ITEMS

**BELTLINE ROAD - SUMMARY OF QUANTITIES**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV		WINNEBAGO	42	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

85414

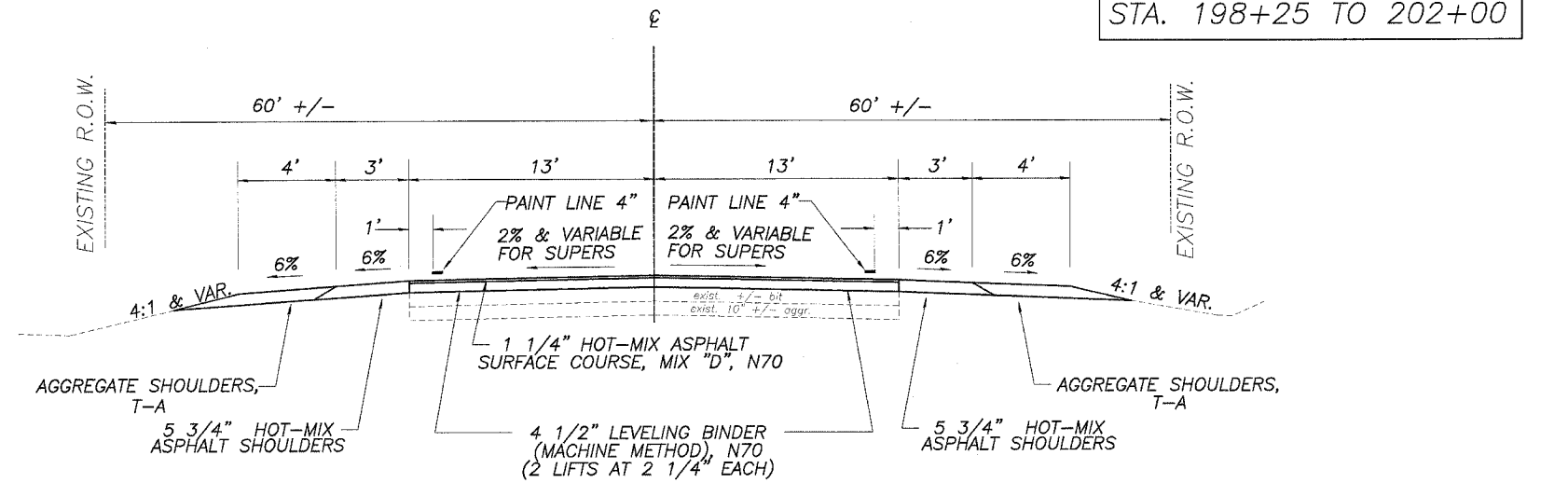
# TYPICAL SECTIONS & PAVEMENT DESIGN



STA. 102+50 TO 123+65  
 STA. 154+00 TO 156+58  
 STA. 184+57 TO 187+00  
 STA. 210+15 TO 214+56  
 STA. 219+72 TO 247+14.11

\* FORESLOPE CORRECTION TO \*  
 4:1 REQUIRED  
 STA. 111+00 - 115+00 RT  
 STA. 156+00 - 160+00 RT  
 STA. 237+00 - 239+50 LT

OMMISSIONS  
 STA. 123+65 TO 154+00  
 STA. 198+25 TO 202+00



STA. 187+00 TO 190+53  
 STA. 196+86 TO 198+25

## PAVEMENT DESIGN

MIXTURE USE(S)	SURFACE / INC. SURF.	BIT BINDER / LEV BINDER	BIT BASE	SHOULDER
PG:	PG 64-22	PG 64-22	PG 64-22	PG 58-22
DESIGN AIR VOIDS	4.0 @ N70	4.0 @ N70	2 @ N50	3 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0	IL 19.0	IL 12.5 OR 19
FRICTION AGGREGATE	D	N/A	N/A	C
20 YEAR ESAL	5.12	N/A	N/A	N/A

**BELTLINE ROAD RECONSTRUCTION  
 PAVEMENT STRUCTURAL DESIGN**  
 120,000 LB. DESIGN

P.C. 2056  
 S.U. 348 } 3065 ADT  
 M.U. 661

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2015  
 CLASS II ROAD  
 MINIMUM SOIL SUPPORT: IBR=3.0 ASSUMED  
 T.F. = 5.12 ; D<sub>t</sub> = 5.12

PAVEMENT STRUCTURE MATERIALS

SURFACE CSE: HMA SURFACE CSE, N70	a1 = 0.40 (1.25") = 0.50
BINDER CSE: HMA BINDER CSE, N70	a2 = 0.40 (4.5") = 1.80
BASE CSE: HMA BSE CSE, N50	a3 = 0.33 (4.75") = 1.58
SUBBASE TYPE: AGGR. 4" T-A OVER 8" T-B	a4 = 0.11 (12") = 1.32

ACTUAL<sub>t</sub>D = 5.20

**BELTLINE ROAD OVERLAY  
 PAVEMENT STRUCTURAL DESIGN**  
 120,000 LB. DESIGN

P.C. 2056  
 S.U. 348 } 3065 ADT  
 M.U. 661

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2015  
 CLASS II ROAD  
 MINIMUM SOIL SUPPORT: IBR=3.0 ASSUMED  
 T.F. = 5.12 ; D<sub>t</sub> = 5.12

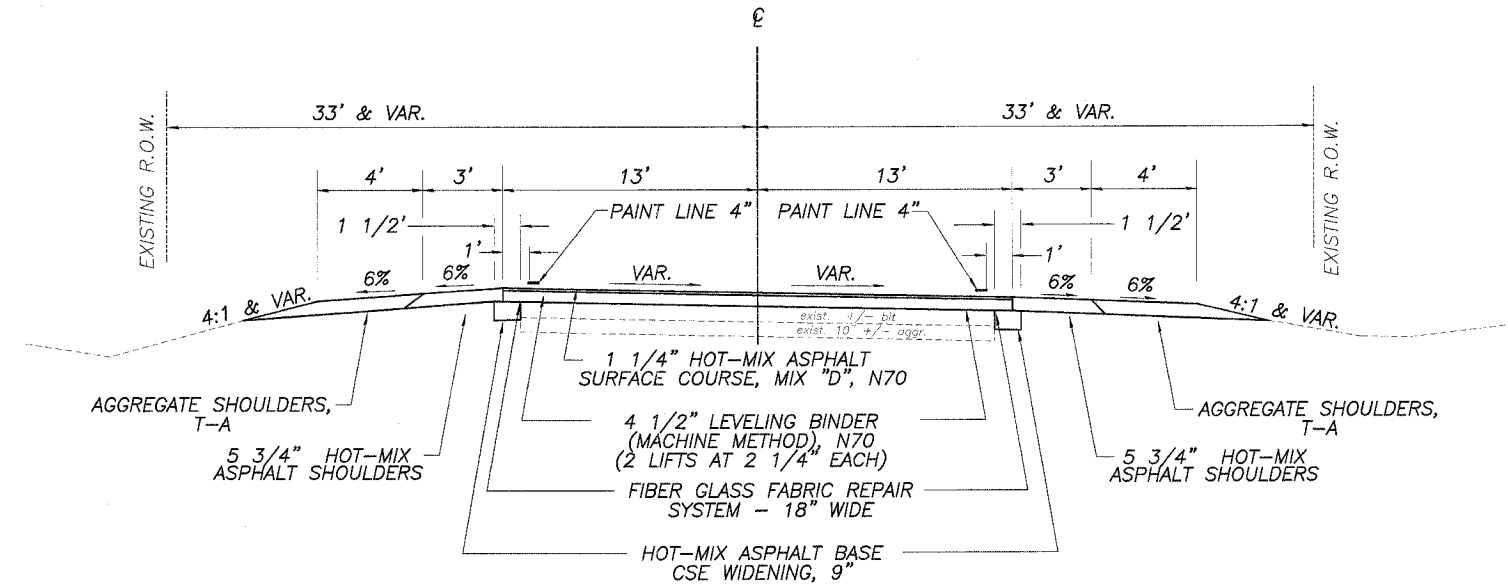
PAVEMENT STRUCTURE MATERIALS

SURFACE CSE: HMA SURFACE CSE, N70	a1 = 0.40 (1.25") = 0.50
BINDER CSE: HMA BINDER CSE, N70	a2 = 0.40 (4.5") = 1.80
BASE CSE: HMA BSE CSE WIDENING, N50	a3 = 0.33 (9") = 2.97

ACTUAL<sub>t</sub>D = 5.27

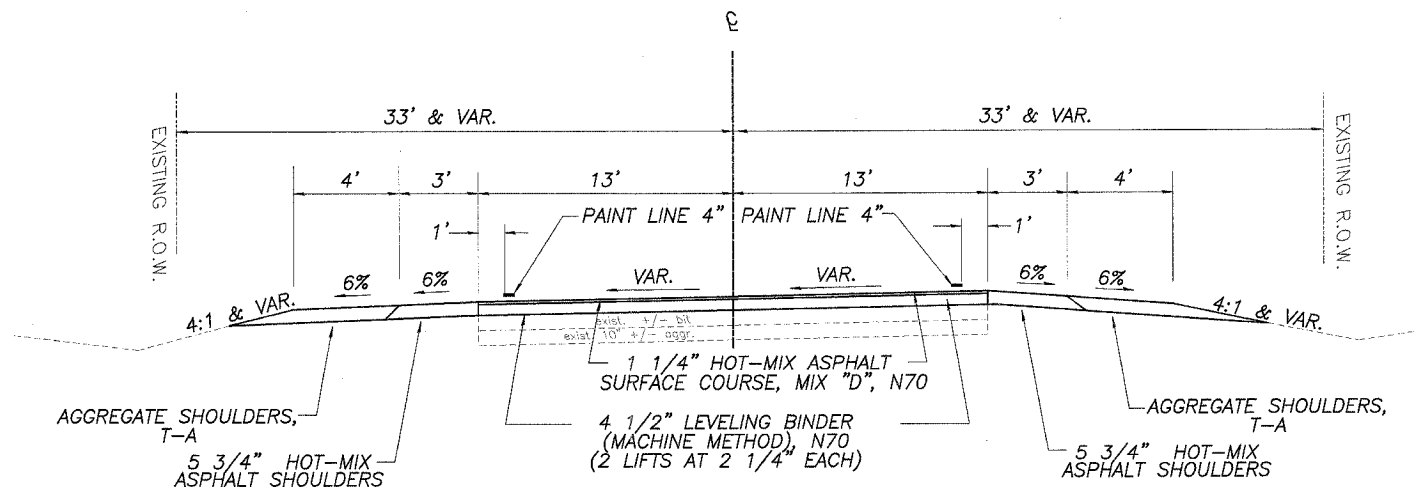
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV		WINNEBAGO	42	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# TYPICAL SECTIONS & PAVEMENT DESIGN



STA. 156+58 TO 184+57  
 STA. 214+56 TO 219+72

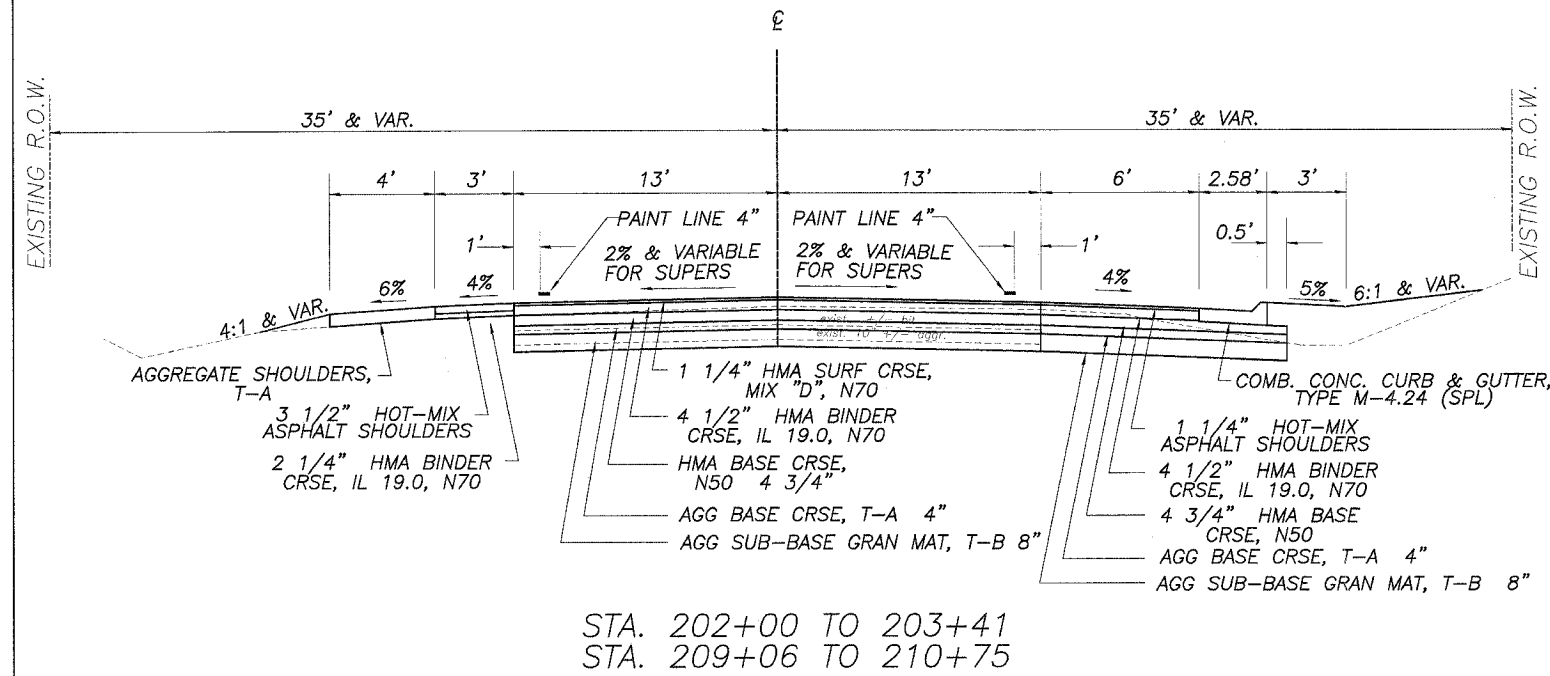
OMMISSIONS  
 STA. 123+65 TO 154+00  
 STA. 198+25 TO 202+00



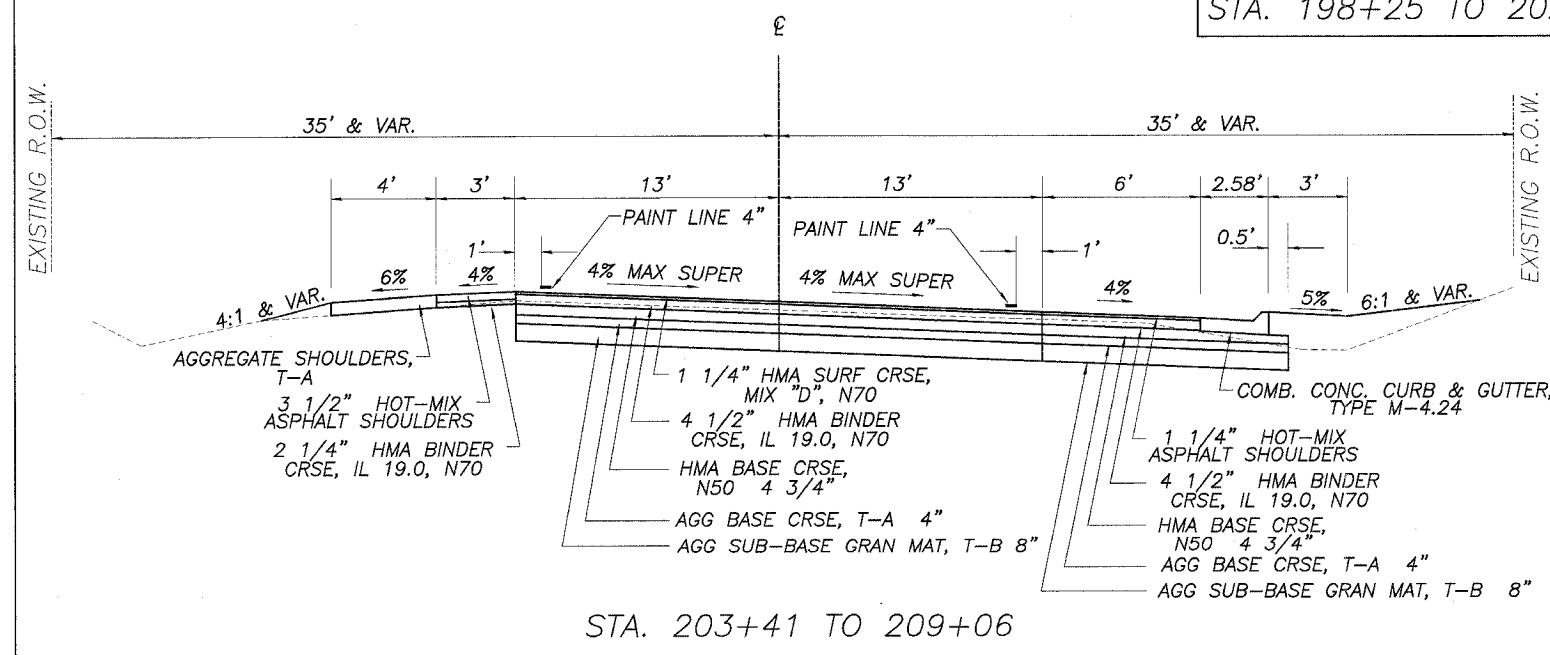
STA. 190+53 TO 196+86

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO	42	5	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

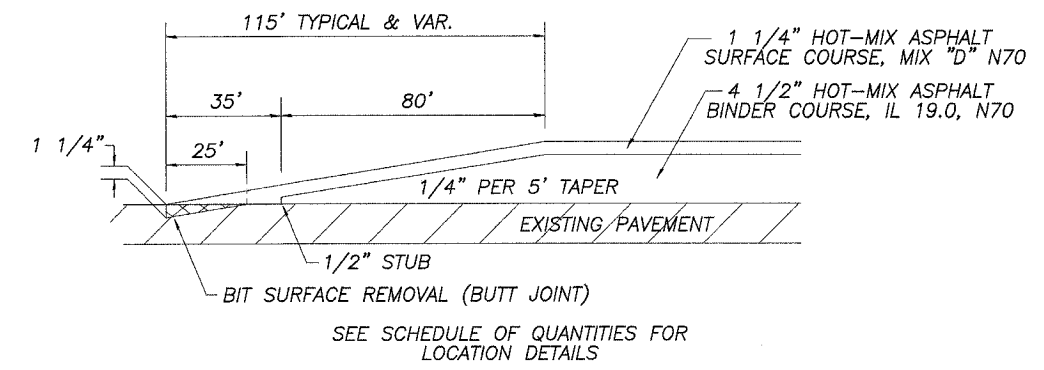
# TYPICAL SECTIONS & BUTT JOINT DETAILS



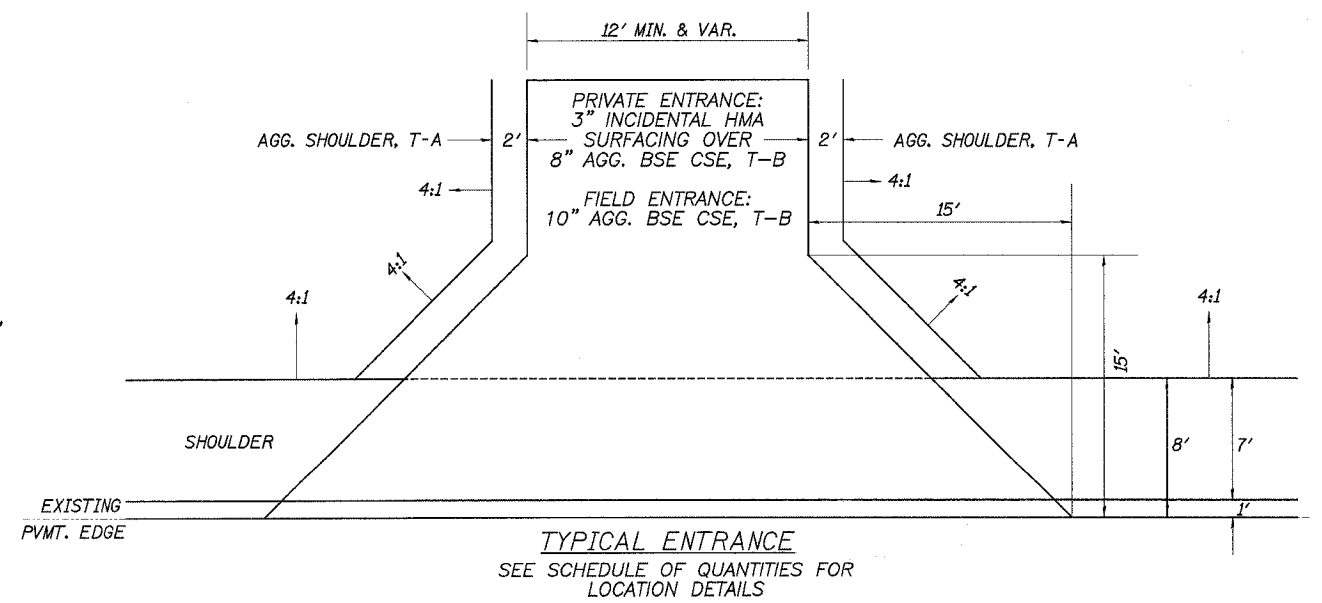
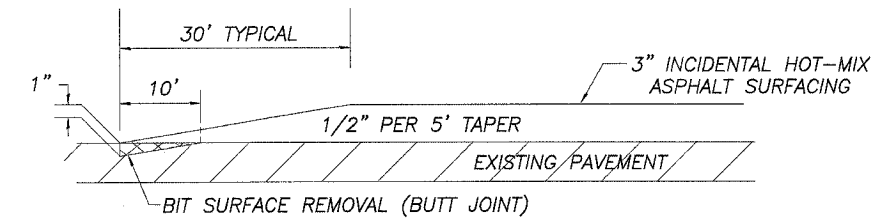
OMMISSIONS  
STA. 123+65 TO 154+00  
STA. 198+25 TO 202+00



## TYPICAL BUTT JOINT SECTION BELTLINE ROAD & SIDE ROADS



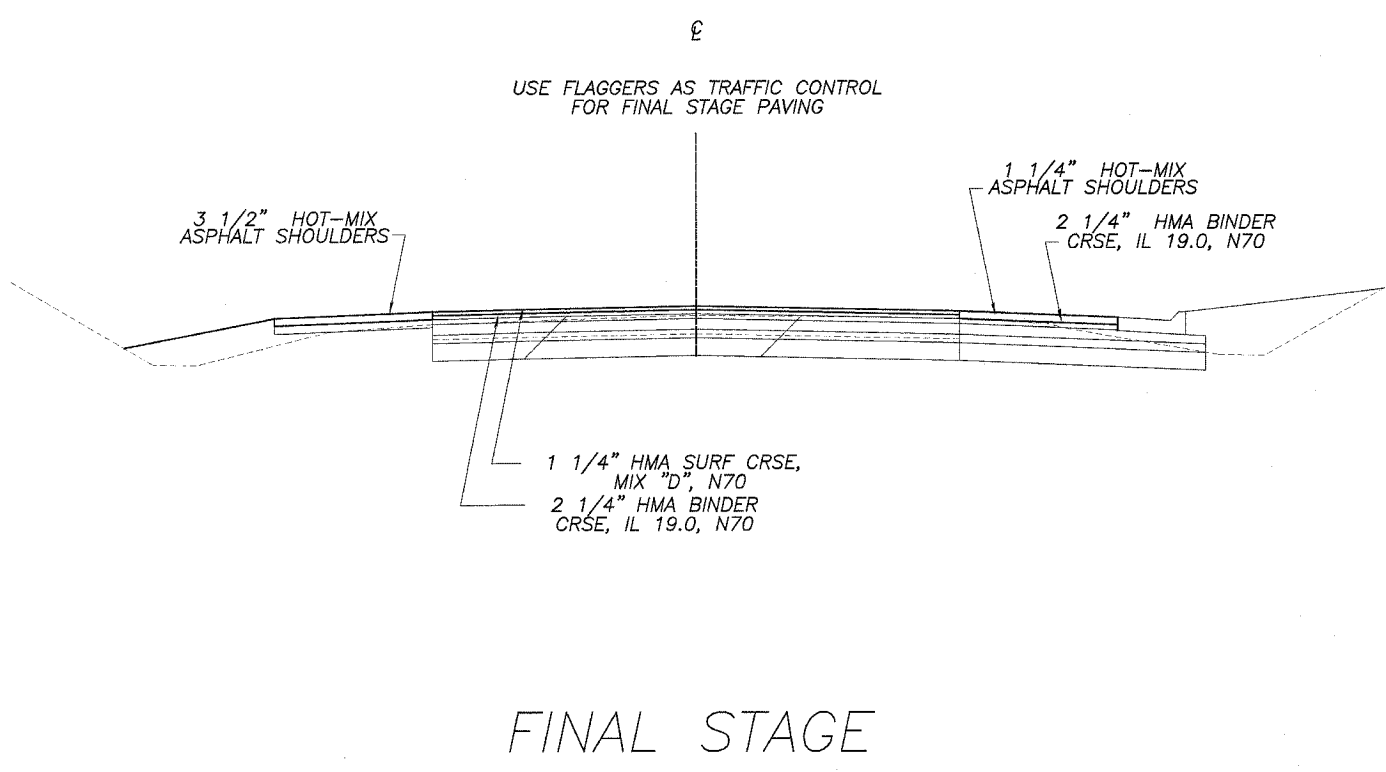
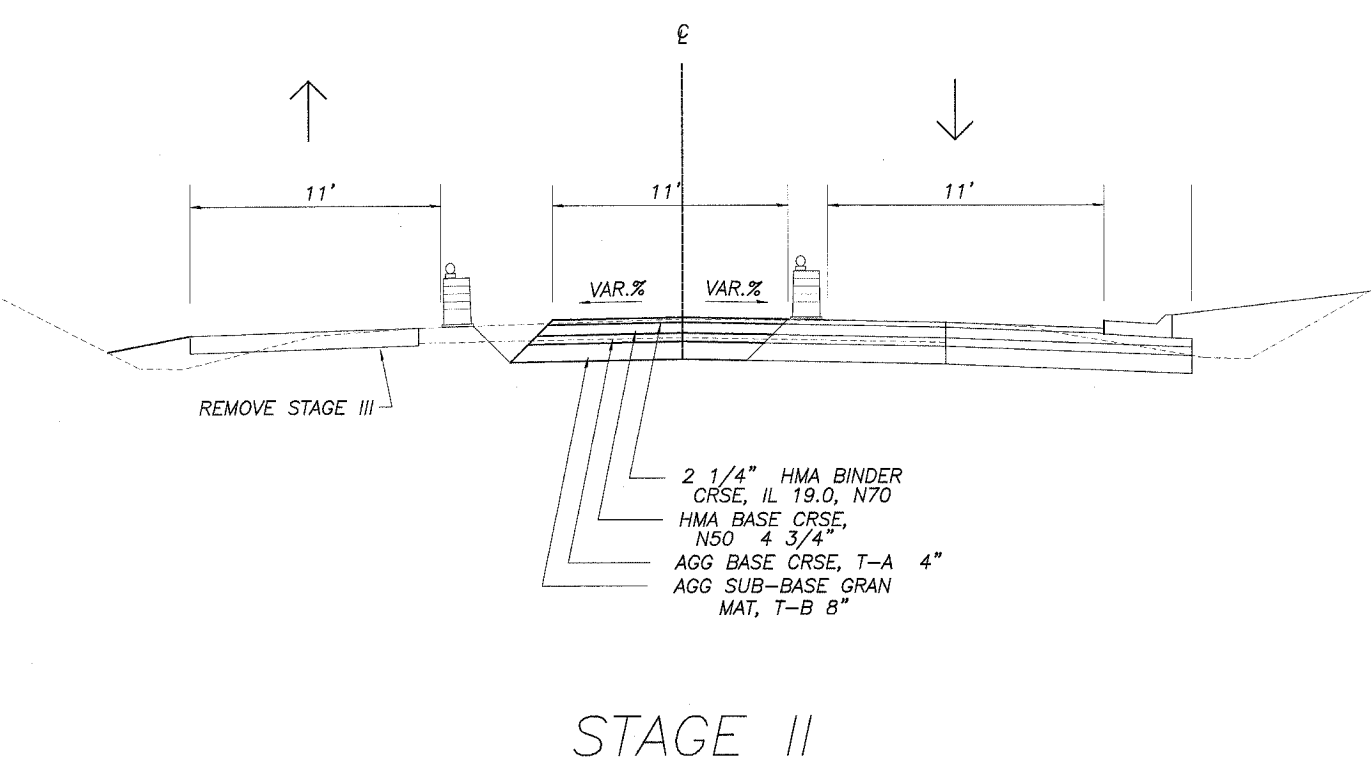
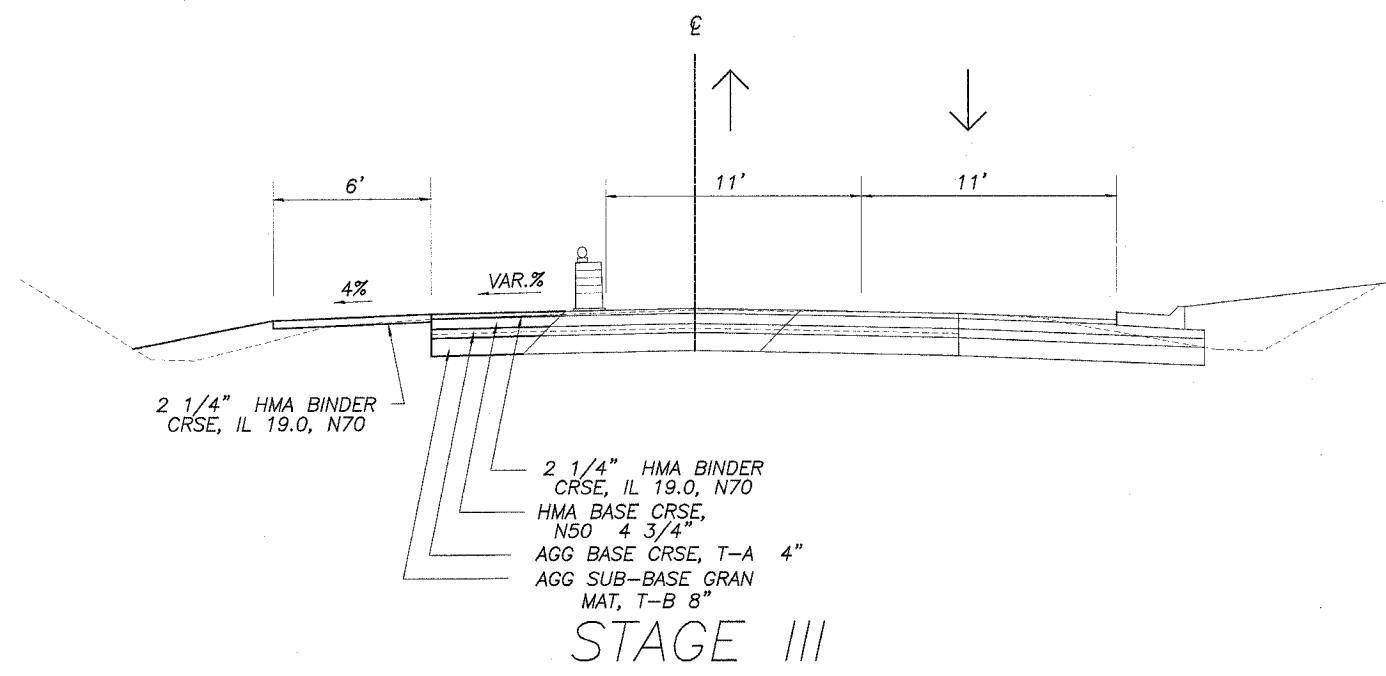
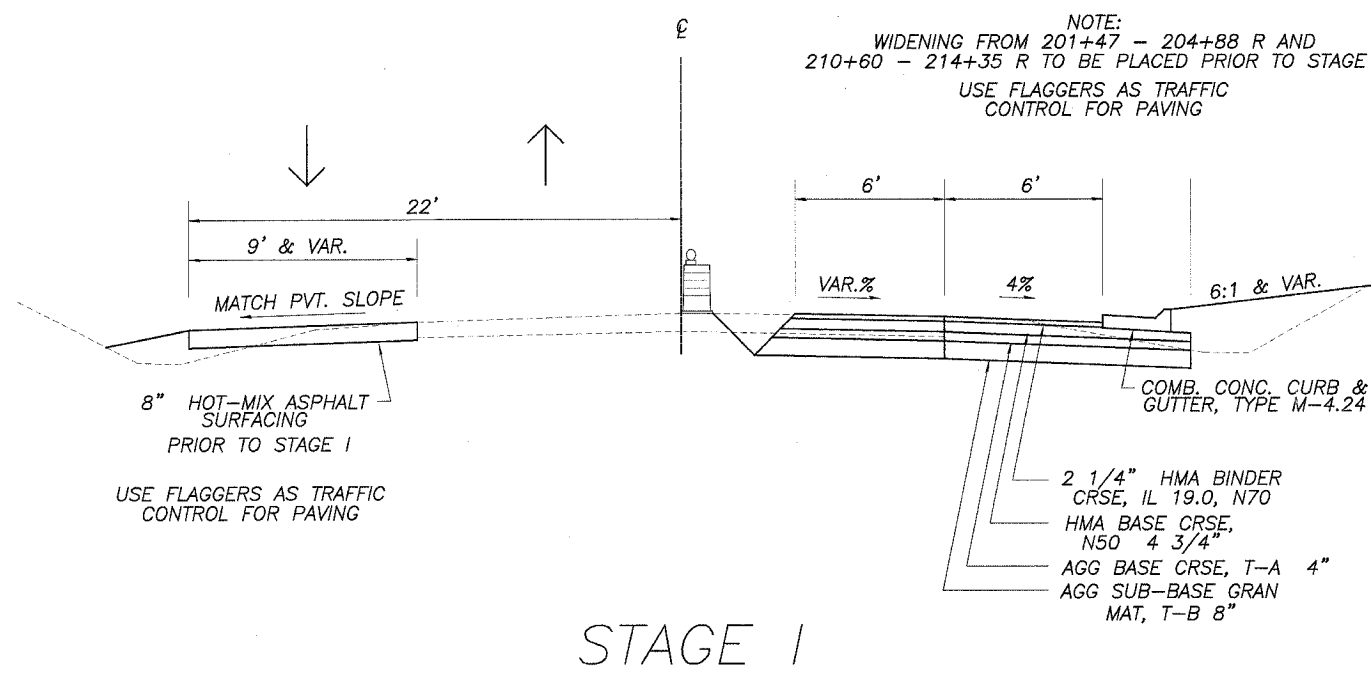
## TYPICAL BUTT JOINT SECTION PRIVATE ENTRANCES



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00393-00-EV	WINNEBAGO		42	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

# STAGING DETAILS

NOTE:  
WIDENING FROM 201+47 - 204+88 R AND  
210+60 - 214+35 R TO BE PLACED PRIOR TO STAGE I  
USE FLAGGERS AS TRAFFIC CONTROL FOR PAVING



# SCHEDULES

F.A.I.L. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5154	04-00343-00-PV	WINNEBAGO	42	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

85414

**GENERAL NOTES**

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS ENCOUNTERED, UNTIL AN OWNER OR AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

THE CONTRACTOR SHALL REMOVE ALL STRUCTURES WITHIN THE EXISTING AND NEW RIGHT OF WAY AS DIRECTED BY THE ENGINEER AND AS SHOWN ON PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALL EXISTING DRAINAGE PIPES AND END SECTIONS SHALL BE CAREFULLY REMOVED DURING CONSTRUCTION AND STACKED ALONG THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER. THIS SALVAGE AND STORAGE OF EXISTING DRAINAGE PIPES AND END SECTIONS SHALL BE CONSIDERED AN INCIDENTAL ITEM TO THE CONTRACT. ALL SALVAGED PIPES SHALL REMAIN THE PROPERTY OF THE COUNTY.

ALL TELEPHONE AND ELECTRIC POLES, GAS PIPES, ETC. IN THE WAY OF THE IMPROVEMENT SHALL BE MOVED BY THE UTILITIES PRIOR TO CONSTRUCTION AND SHALL NOT BE INCLUDED IN THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE RESPECTIVE UTILITIES TO MAKE THE NECESSARY ADJUSTMENTS PRIOR TO THIS CONSTRUCTION.

THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE NOT TO BE TAKEN AS EXACT. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM TO PREVENT DAMAGE.

ALL TREES LESS THAN 6" DIAMETER WITHIN THE CONSTRUCTION LINES AND SHOWN ON THE PLANS TO BE REMOVED WILL NOT BE PAID FOR UNDER THE BID ITEM OF "TREE REMOVAL". THE COST OF REMOVING THESE TREES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER CUBIC YARD FOR EARTH EXCAVATION (SPECIAL).

THE FINAL TOP 4" OF SOIL IN ANY AREA DISTURBED BY THE CONTRACTOR MUST BE ABLE TO SUPPORT VEGETATION.

EXISTING MAIL BOXES, STREET SIGNS AND TRAFFIC SIGNS THAT ARE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AND RESET BY THE CONTRACTOR. COST OF REMOVING AND RESETTING TO BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER UNIT FOR EARTH EXCAVATION (SPECIAL).

WHERE THE PROPOSED CONSTRUCTION MEETS AN EXISTING BITUMINOUS SURFACE, OR WHERE SAWING IS STATED ON THE PLANS, THE EXISTING SURFACE SHALL BE SAWED IN A NEAT, STRAIGHT LINE. COST OF SAWING TO BE INCLUDED IN THE CONTRACT UNIT PRICE PER UNIT FOR EARTH EXCAVATION (SPECIAL).

**BELTLINE ROAD**

LOCATION	EARTH EXCAVATION (SPECIAL)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	20200410* CU YD	CU YD	CU YD	CU YD
STAGE 1 & PRIOR	1,367	1,025	279	746
STAGE 2	766	575	0	575
STAGE 3	602	452	86	366
FINAL STAGE	0	0	26	-26
111+00 TO 115+00 RT	0	0	117	-117
156+00 TO 160+00 RT	0	0	893	-893
237+00 TO 239+50 LT	110	82	55	27
AS DIRECTED BY ENGR.			533	-678
<b>TOTALS</b>	<b>2,845</b>	<b>2,134</b>	<b>1,989</b>	<b>0</b>

EARTH EXCAVATION (WIDENING)		
STATION	SQ YD	REMARKS
BELTLINE ROAD		
LT 102+50 - 122+16	328	
RT 102+50 - 123+65	353	
LT 154+00 - 187+00	550	
RT 154+00 - 187+00	550	
LT 210+75 - 220+55	163	
RT 210+75 - 247+14.11	607	
LT 221+55 - 247+14.11	427	
<b>PROJECT TOTAL</b>	<b>2,978</b>	

20200500\*

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		
STATION	CU YD	REMARKS
CONTINGENCY ITEM		
	200	AS DIRECTED BY THE ENGINEER
<b>PROJECT TOTAL</b>	<b>200</b>	

20201200\*

SEEDING, CLASS 7		
STATION	ACRE	REMARKS
ENTIRE PROJECT		
	0.54	AS DIRECTED BY THE ENGINEER
VARIOUS FILL AREAS		
	0.68	AS DIRECTED BY THE ENGINEER
<b>PROJECT TOTAL</b>	<b>1.22</b>	

25000350

SEEDING, CLASS 2 (SPECIAL)		
STATION	ACRE	REMARKS
BELTLINE ROAD		
202+00 - 210+75	0.54	AS DIRECTED BY THE ENGINEER
VARIOUS FILL AREAS		
	0.68	AS DIRECTED BY THE ENGINEER
<b>PROJECT TOTAL</b>	<b>1.22</b>	

25001000\*

TEMPORARY DITCH CHECKS		
STATION	FOOT	REMARKS
BELTLINE ROAD		
202+00 - 210+75	4	AS DIRECTED BY THE ENGINEER
<b>PROJECT TOTAL</b>	<b>4</b>	

28000300

STONE DUMPED RIPRAP, CLASS B3		
STATION	SQ YD	REMARKS
BELTLINE ROAD		
LT 239+00	34	REMOVAL OF DRAINAGE STRUCTURE
LT 240+58	34	REMOVAL OF DRAINAGE STRUCTURE
<b>PROJECT TOTAL</b>	<b>68</b>	

28100725

SUB-BASE GRANULAR MATERIAL, TYPE B 8"		
STATION	SQ YD	REMARKS
BELTLINE ROAD		
LT 202+20 - 210+75	1,235	13' WIDE
RT 202+20 - 210+75	2,098	22.08' WIDE
<b>PROJECT TOTAL</b>	<b>3,333</b>	

31101600\*

AGGREGATE BASE COURSE, TYPE A 4"		
STATION	SQ YD	REMARKS
BELTLINE ROAD		
LT 204+50 - 210+75	1,235	13' WIDE
RT 204+50 - 210+75	2,098	22.08' WIDE
<b>PROJECT TOTAL</b>	<b>3,333</b>	

35100300\*

AGGREGATE BASE COURSE, TYPE B		
STATION	TON	REMARKS
BELTLINE ROAD		
FEL 108+47	43	10" DEPTH
FER 109+22	63	10" DEPTH
FER 121+15	57	10" DEPTH
FEL 169+53	57	10" DEPTH
PER 169+37	25	8" DEPTH
FEL 180+65	66	10" DEPTH
FEL 190+65	35	10" DEPTH
CEL 192+65	69	8" DEPTH
PER 204+29	35	8" DEPTH
PEL 204+47	34	8" DEPTH
PER 208+96	23	8" DEPTH
PER 209+85	24	8" DEPTH
RT 210+42.67	110	LIVING WOOD DR. - 8" DEPTH
PER 213+10	28	8" DEPTH
CER 217+93	28	8" DEPTH
RT 221+05	76	RYDBERG ROAD - 8" DEPTH
FER 224+08	49	10" DEPTH
FER 234+15	37	10" DEPTH
PEL 236+40	35	8" DEPTH
<b>PROJECT TOTAL</b>	<b>410</b>	

35101400

HOT-MIX ASPHALT BASE COURSE, 4 3/4"		
STATION	SQ YD	REMARKS
BELTLINE ROAD		
LT 204+50 - 210+75	1,235	13' WIDE
RT 204+50 - 210+75	2,098	22.08' WIDE
<b>PROJECT TOTAL</b>	<b>3,333</b>	

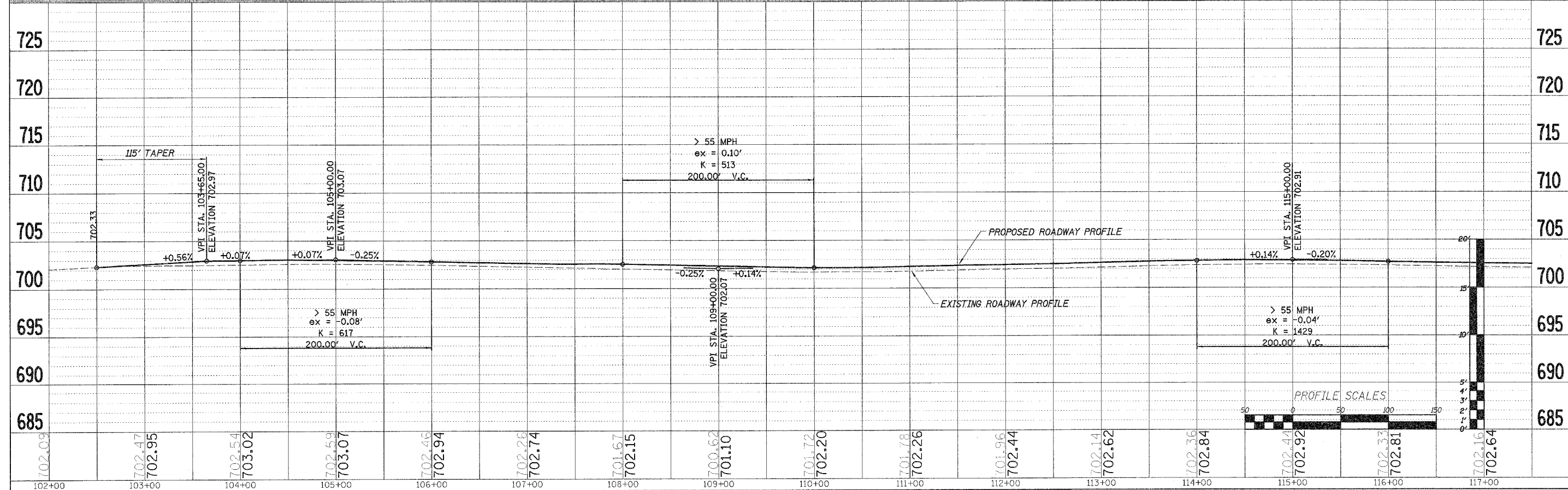
35501303







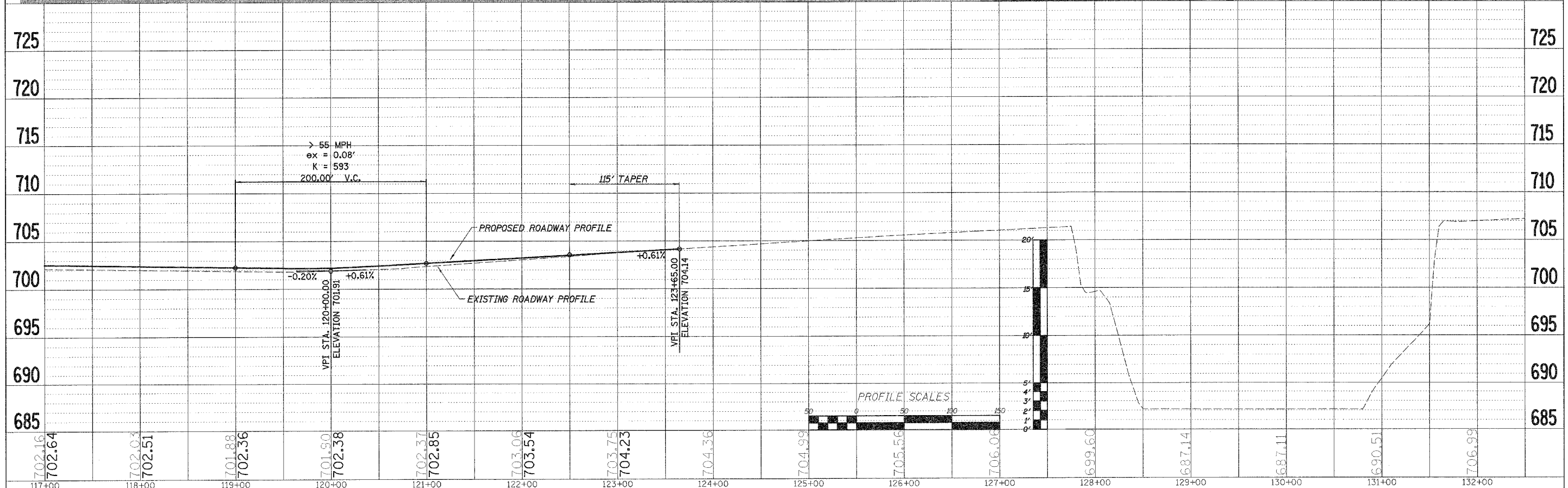
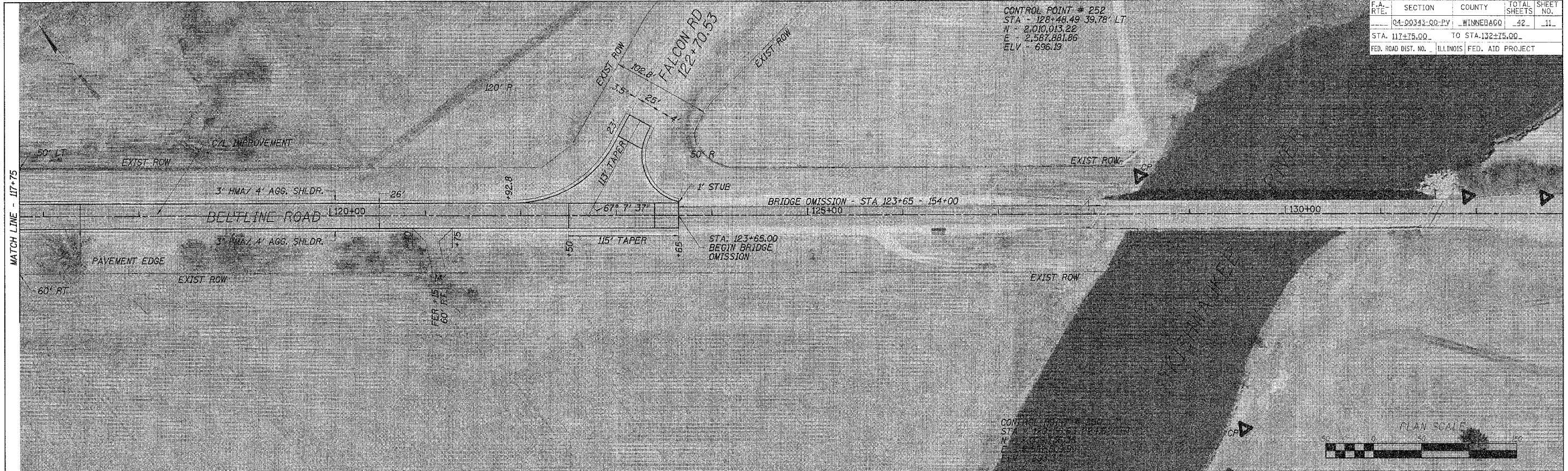
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	10	
STA. 102+50.00 TO STA. 117+75.00		ILLINOIS FED. AID PROJECT		



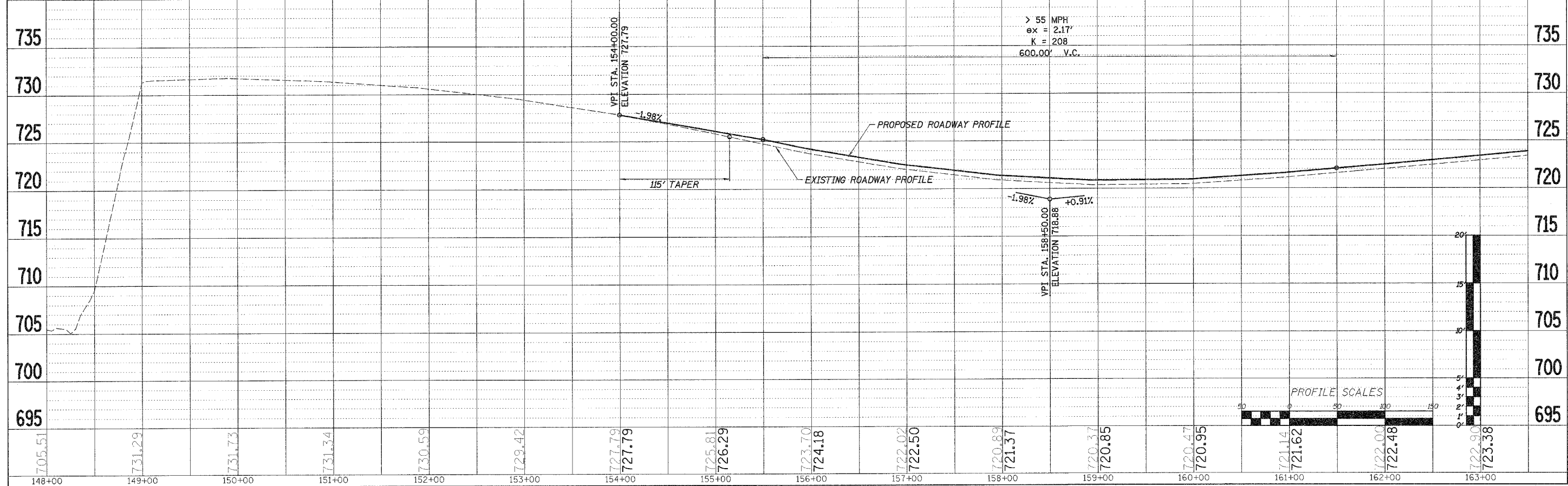
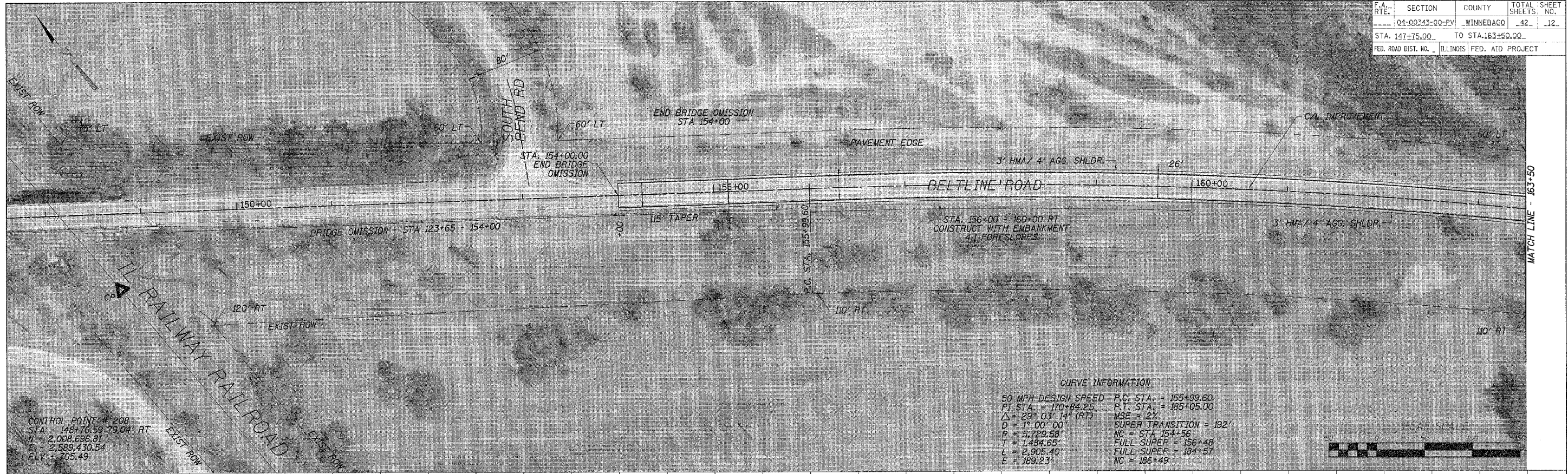
S:\TRANS.1216006-BELTLINERWAY.DESIGN\PP50BELTLINE19.DGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	11	
STA. 117+75.00		TO STA. 132+75.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

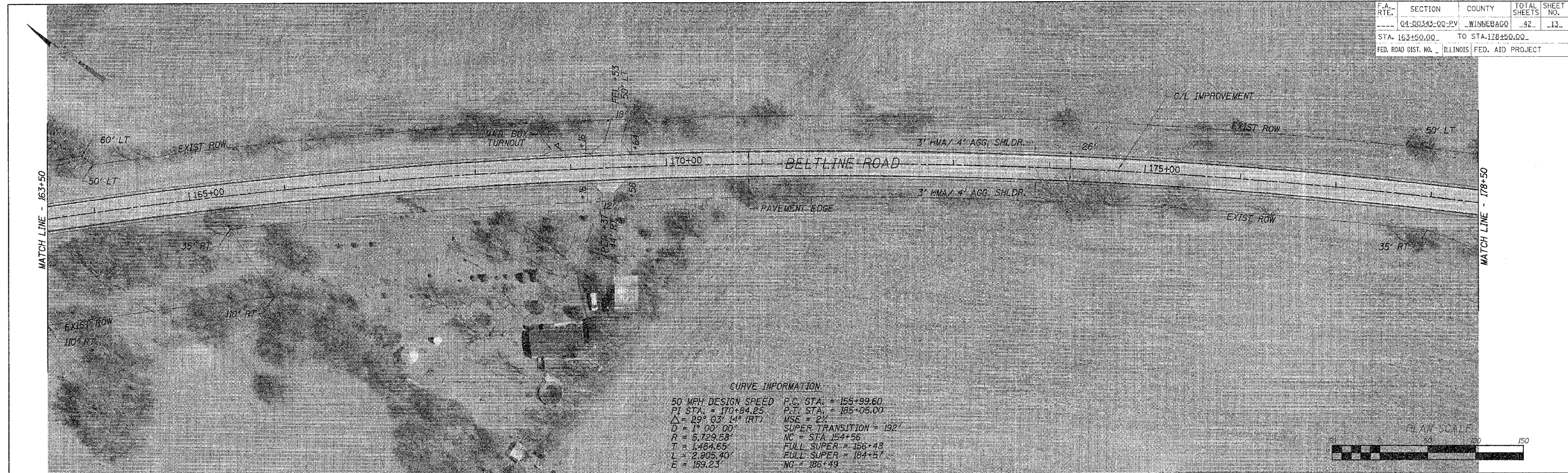
CONTROL POINT # 252  
 STA - 128+46.49 39.78' LT  
 N - 2,010,013.22  
 E - 2,567,881.86  
 ELV - 696.19



CONTRACT NO. 85414			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
04-00343-00-PV	WINNEBAGO	42	12
STA. 147+75.00		TO STA. 163+50.00	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

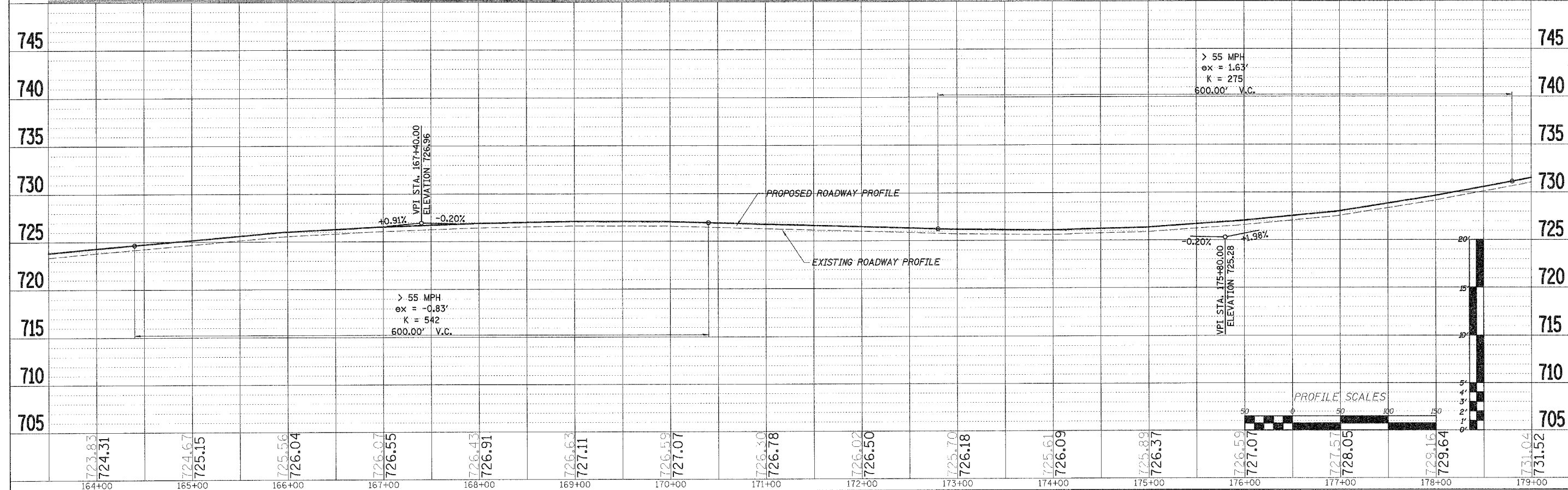


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	13	
STA. 163+50.00 TO STA. 178+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**CURVE INFORMATION**

50 MPH DESIGN SPEED	P.C. STA. = 155+99.60
P.T. STA. = 170+84.25	P.T. STA. = 185+05.00
$\Delta = 29^{\circ} 03' 14''$ (RT)	WSE = 2%
D = 1' 00' 00"	SUPER TRANSITION = 192'
R = 5,729.53'	NC = STA 154+56'
T = 1,484.65'	FULL SUPER = 186+48'
L = 2,905.40'	FULL SUPER = 184+57'
E = 189.23'	NG = 186+49'



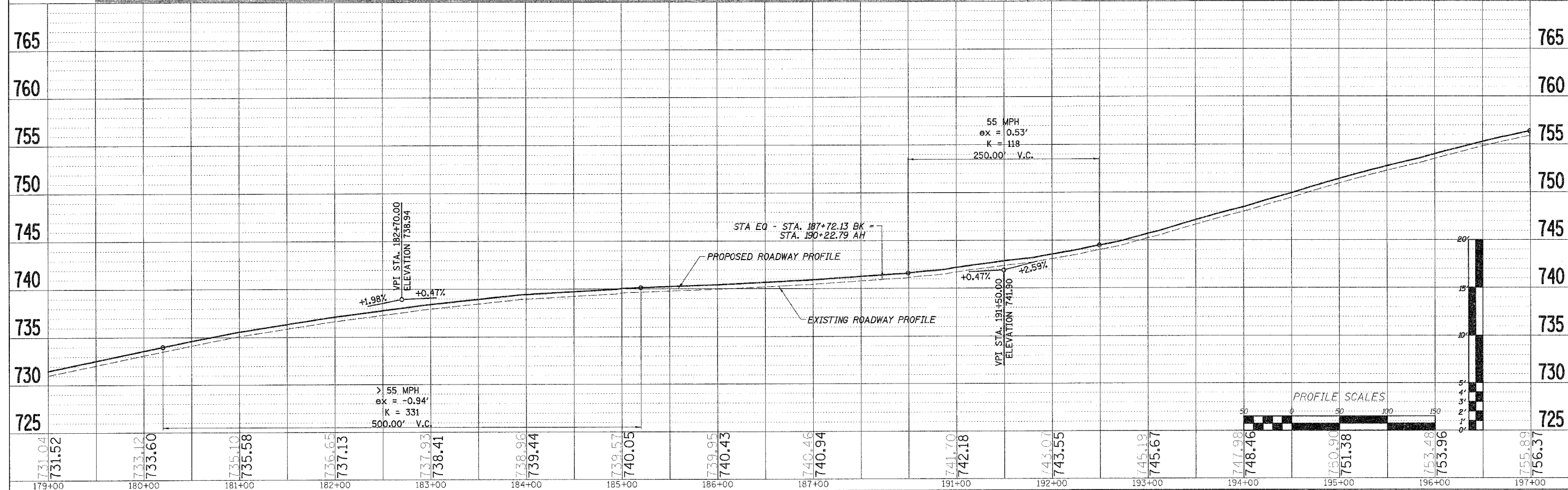
S:\TRANS\1216D06-BELTLINERDWAY.DESIGN\PP50BELTLINE19.DGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	14	
STA. 178+50.00 TO STA. 196+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**CURVE INFORMATION**  
 40 MPH DESIGN SPEED P.C. STA. = 190+22.79  
 P.I. STA. = 193+95.54 P.T. STA. = 197+16.37  
 $\Delta = 52^{\circ} 01' 05" (L.T.)$  MSE = 42'  
 D = 7' 30" 00" SUPER TRANSITION = 124'  
 R = 763.94' NC = STA. 186+79  
 T = 372.75' FULL SUPER = STA 190+53  
 L = 693.57' FULL SUPER = STA 196+86  
 E = 86.09' NC = 198+10

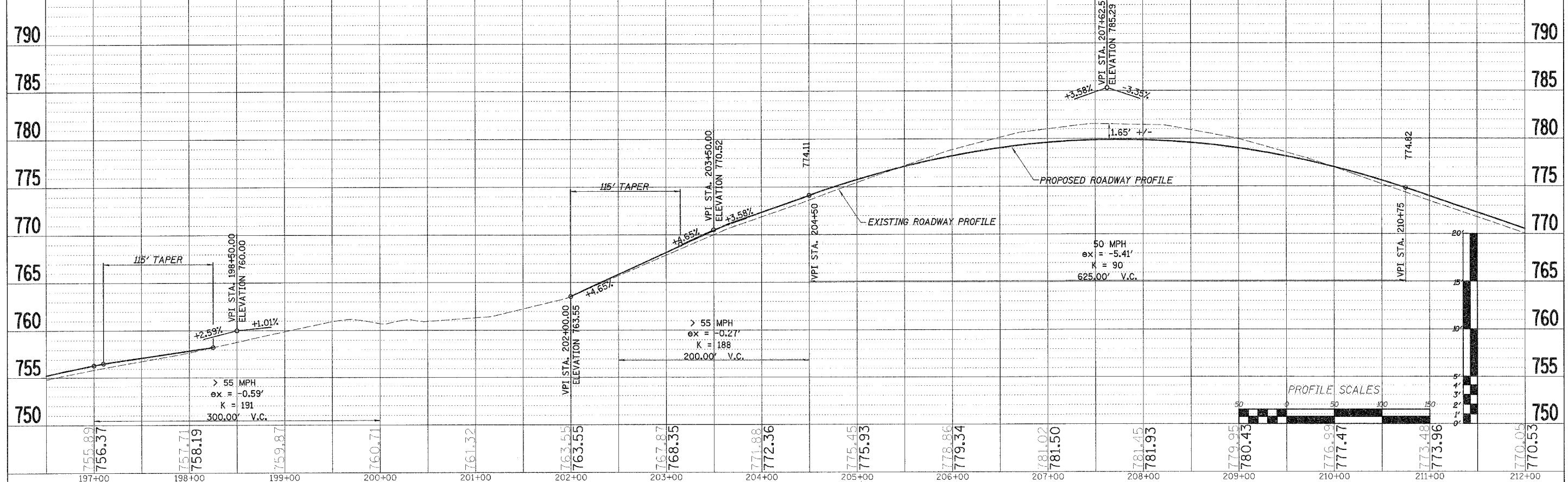
CURVE TO BE POSTED WITH ADVISORY SPEED PLATES

STA. EQ - STA. 187+72.13 BK =  
 STA. 190+22.79 AH (-250.66')



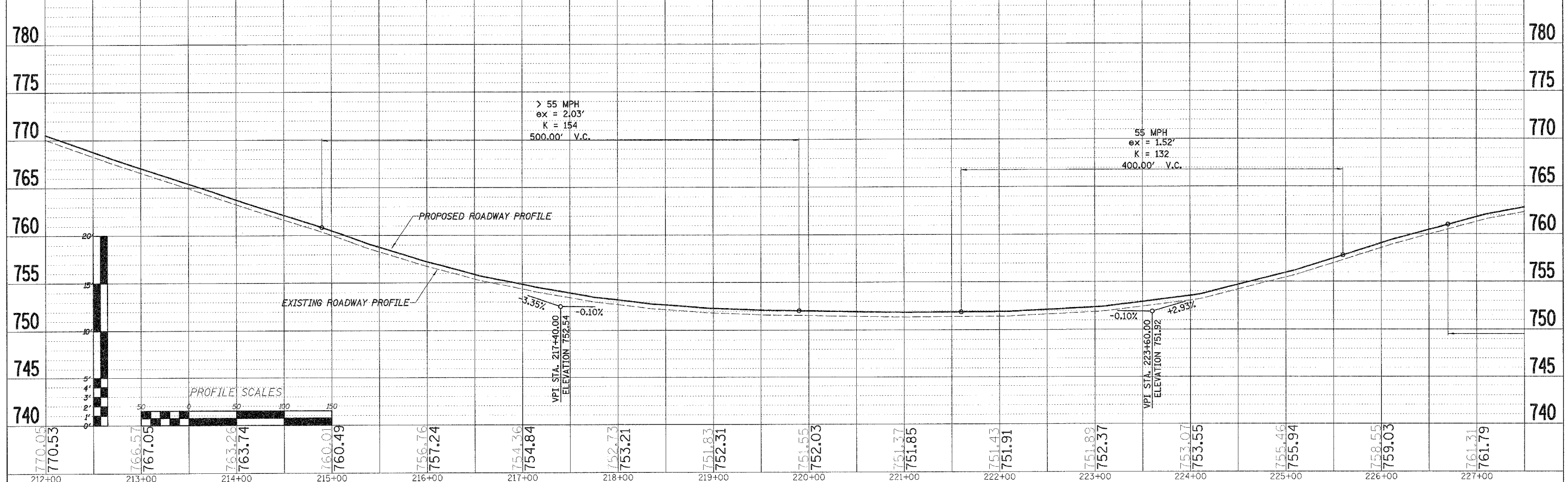
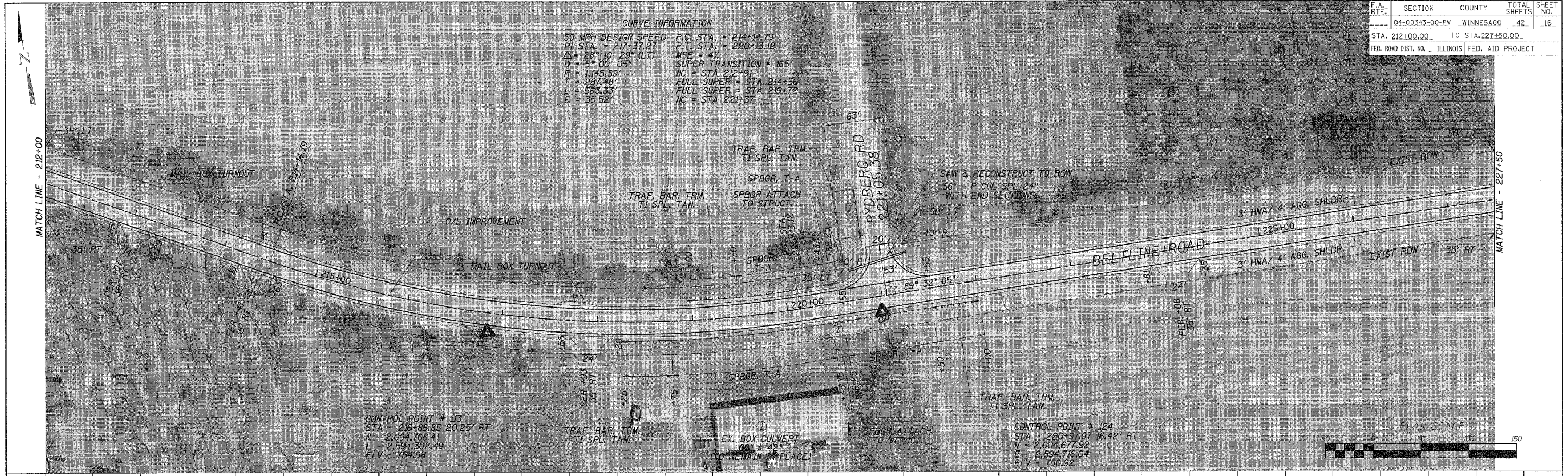
S:\TRANS\1216006-BELTLINERDWAY.DESIGN\PP50BELTLINE19.DGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO	42	15	
STA. 196+50.00		TO STA. 212+00.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



S:TRANS.1216D06-BELTLINERDWAY.DESIGN.PP50BELTLIN9.DGN

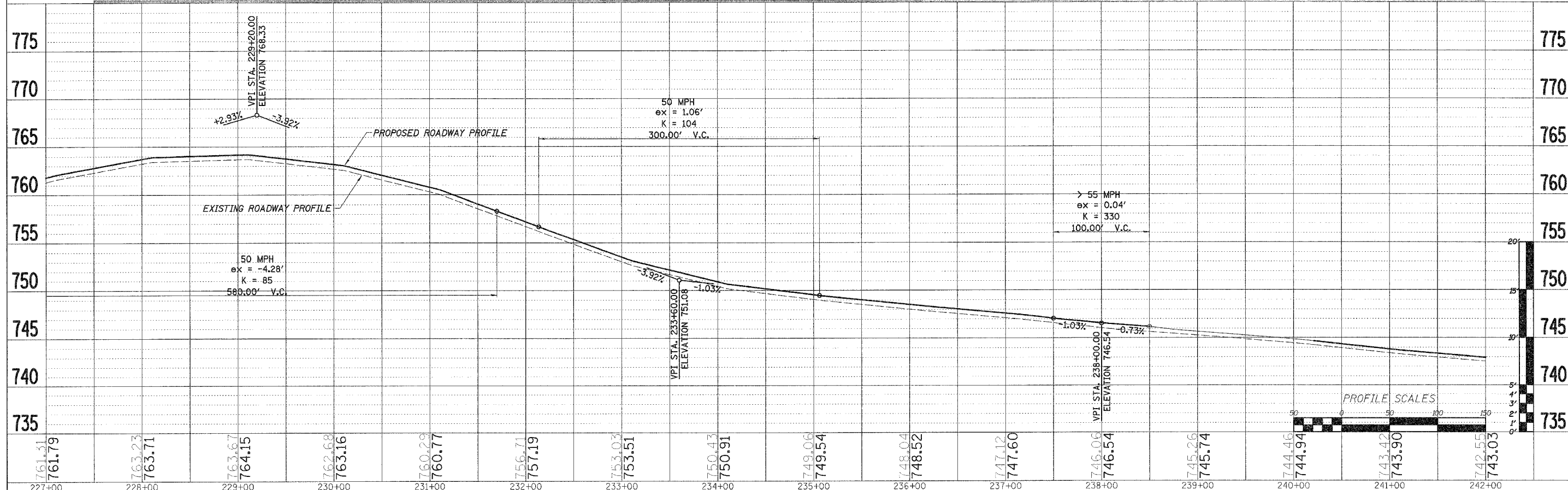
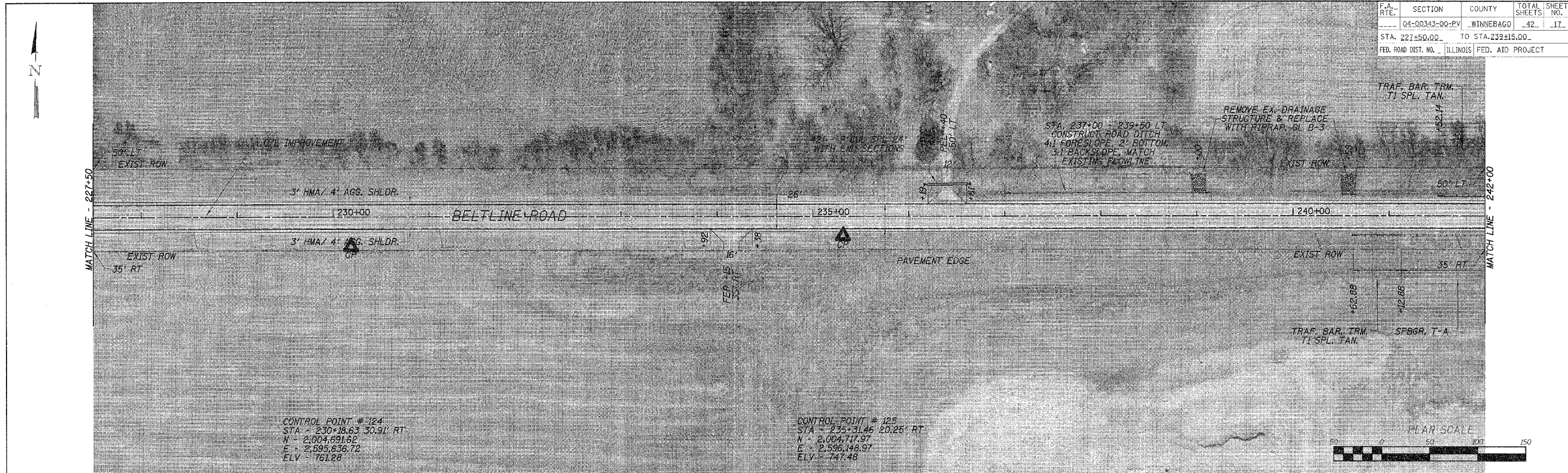
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	16	
STA. 212+00.00		TO STA. 227+50.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



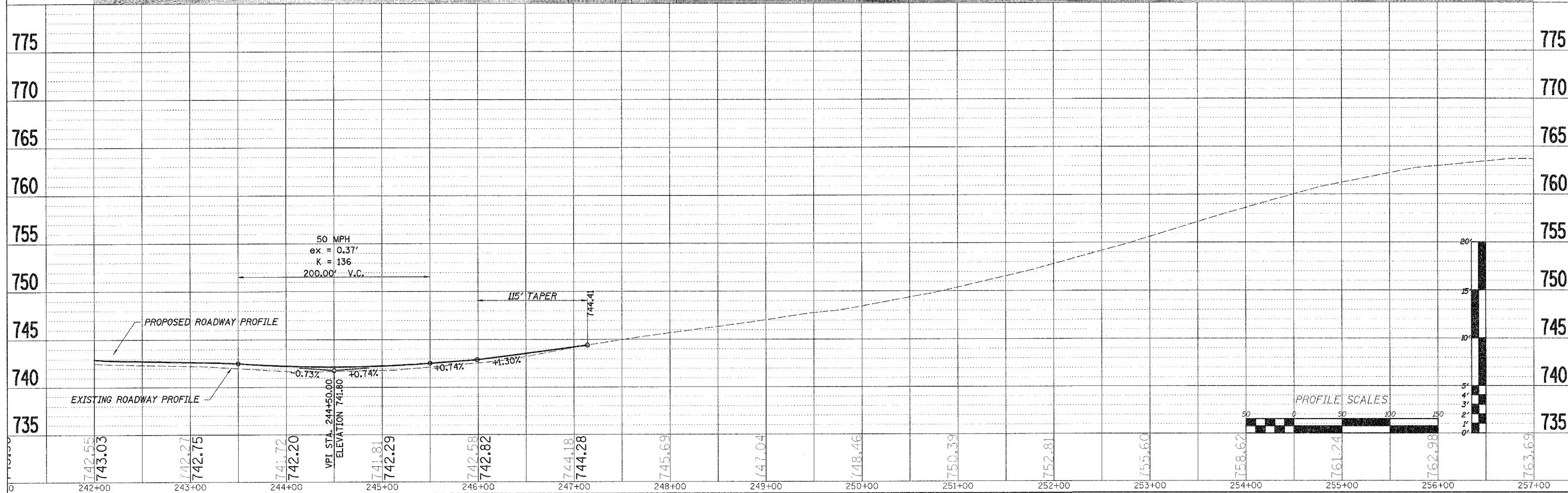
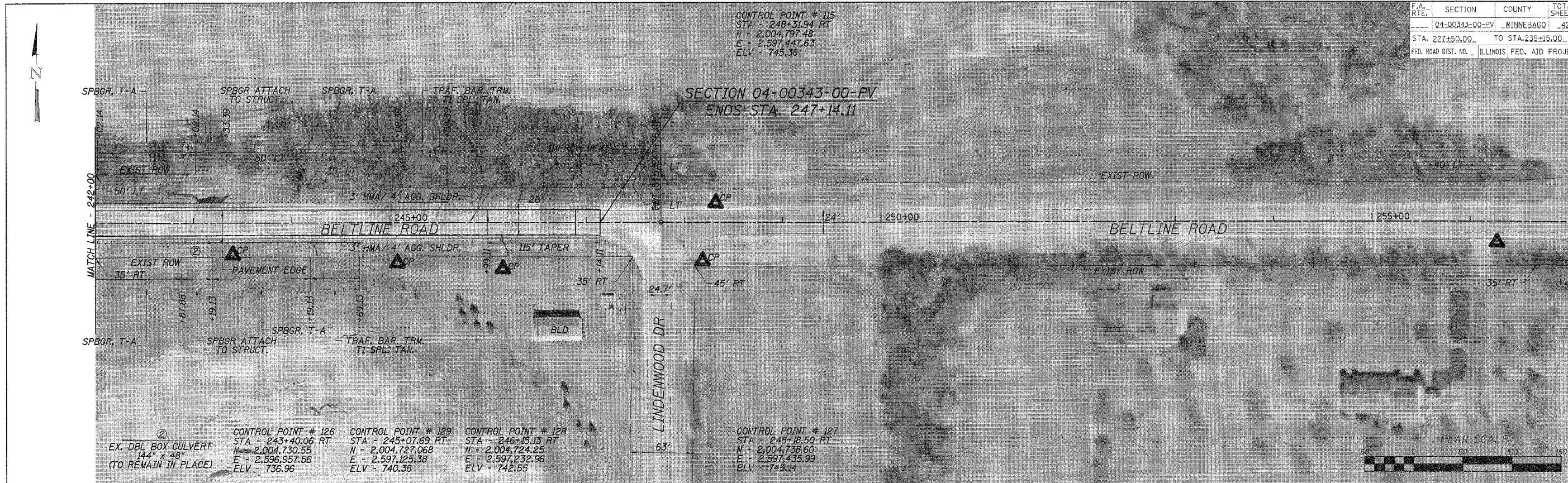
S:\TRANS.1216D06-BELTLINERWAY.DESIGN.PP50BELTLINE19.DGN



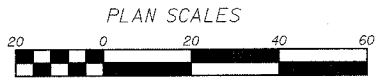
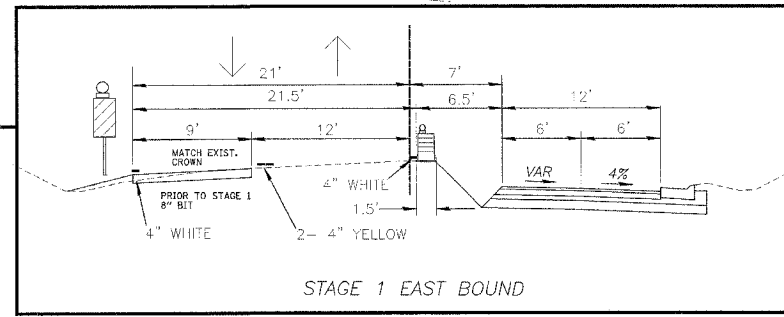
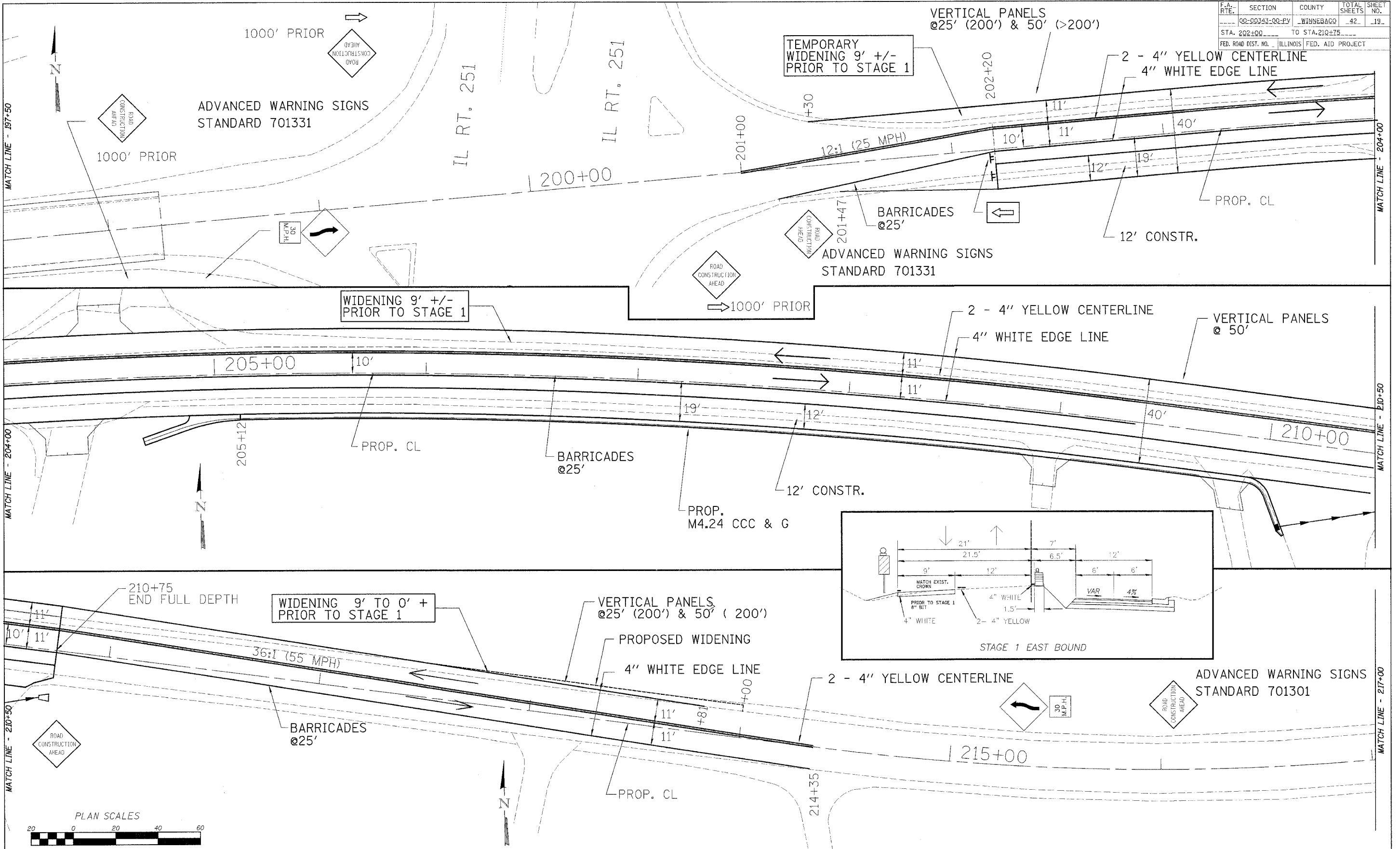
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	17	
STA. 227+50.00		TO STA. 239+15.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



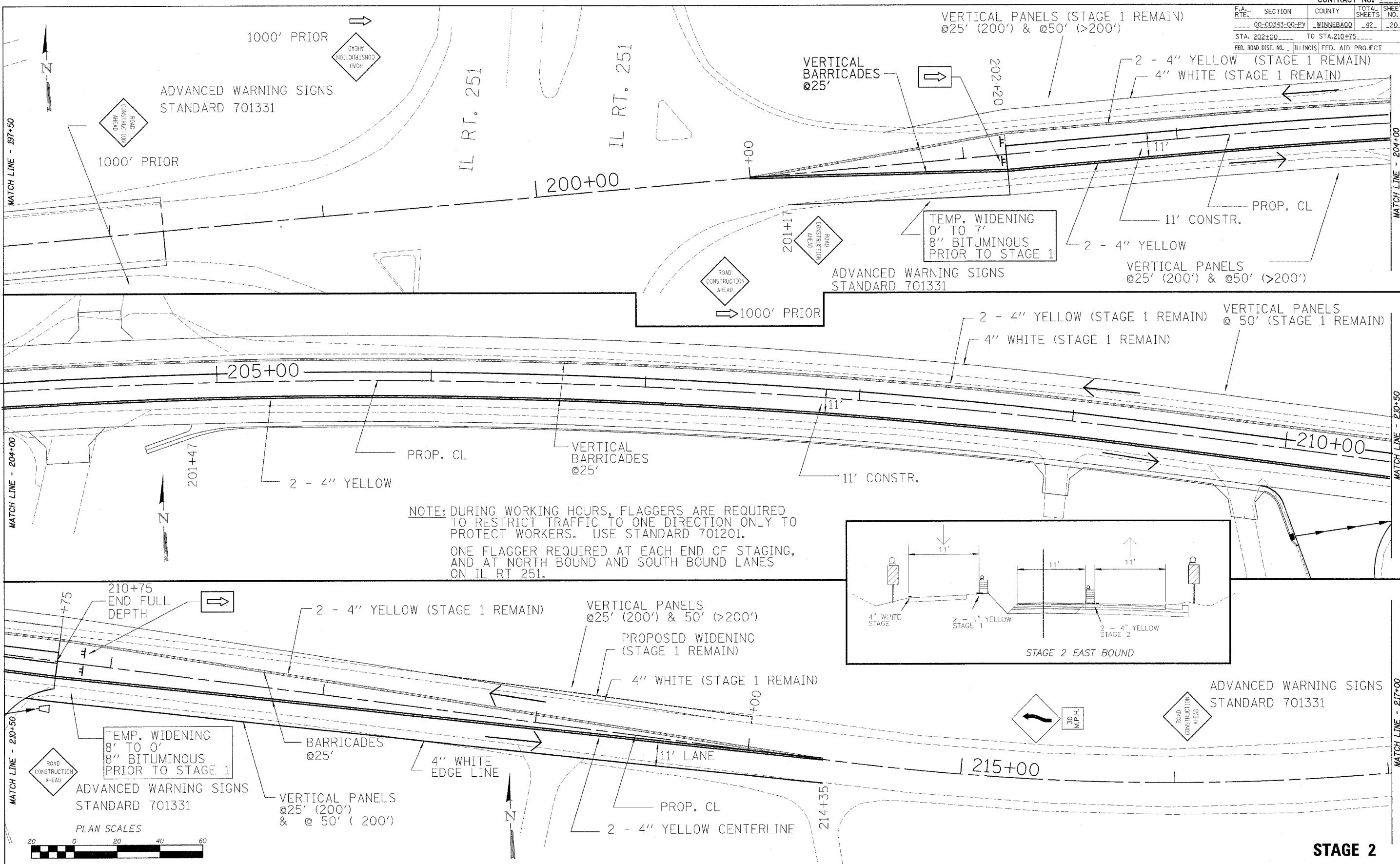
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	18	
STA. 227+50.00 TO STA. 239+15.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



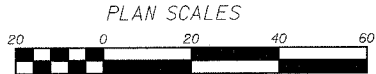
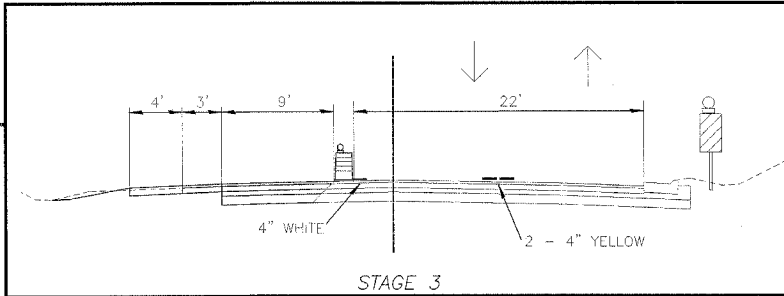
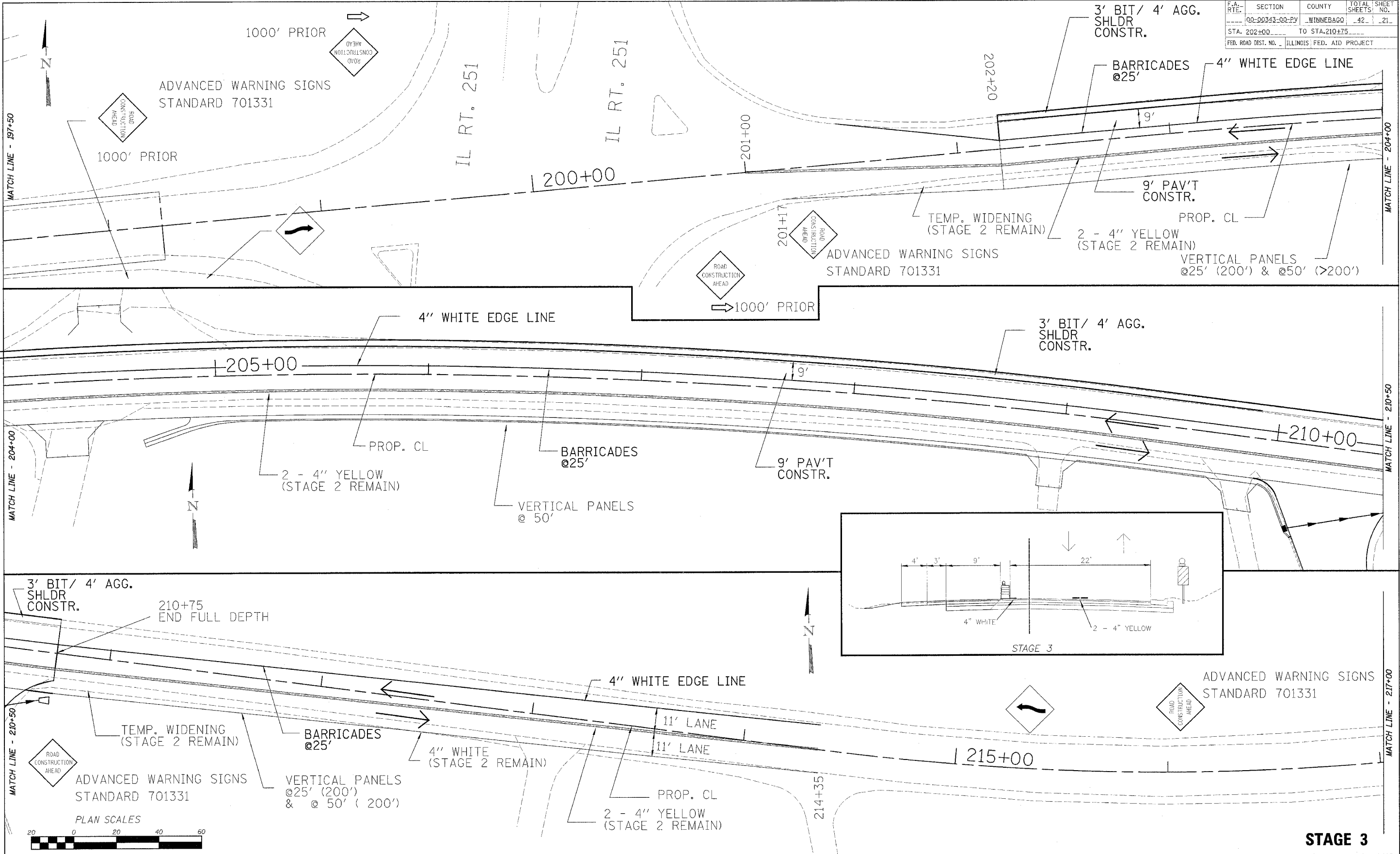
CONTRACT NO. 85414				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00343-00-PV	WINNEBAGO	42	19	
STA. 202+00		TO STA. 210+75		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00343-00-PV	WINNEBAGO	42	20	
STA. 202+00 TO STA. 210+75				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



CONTRACT NO. 85414			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
00-00343-00-PV	WINNEBAGO	42	21
STA. 202+00		TO STA. 210+75	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

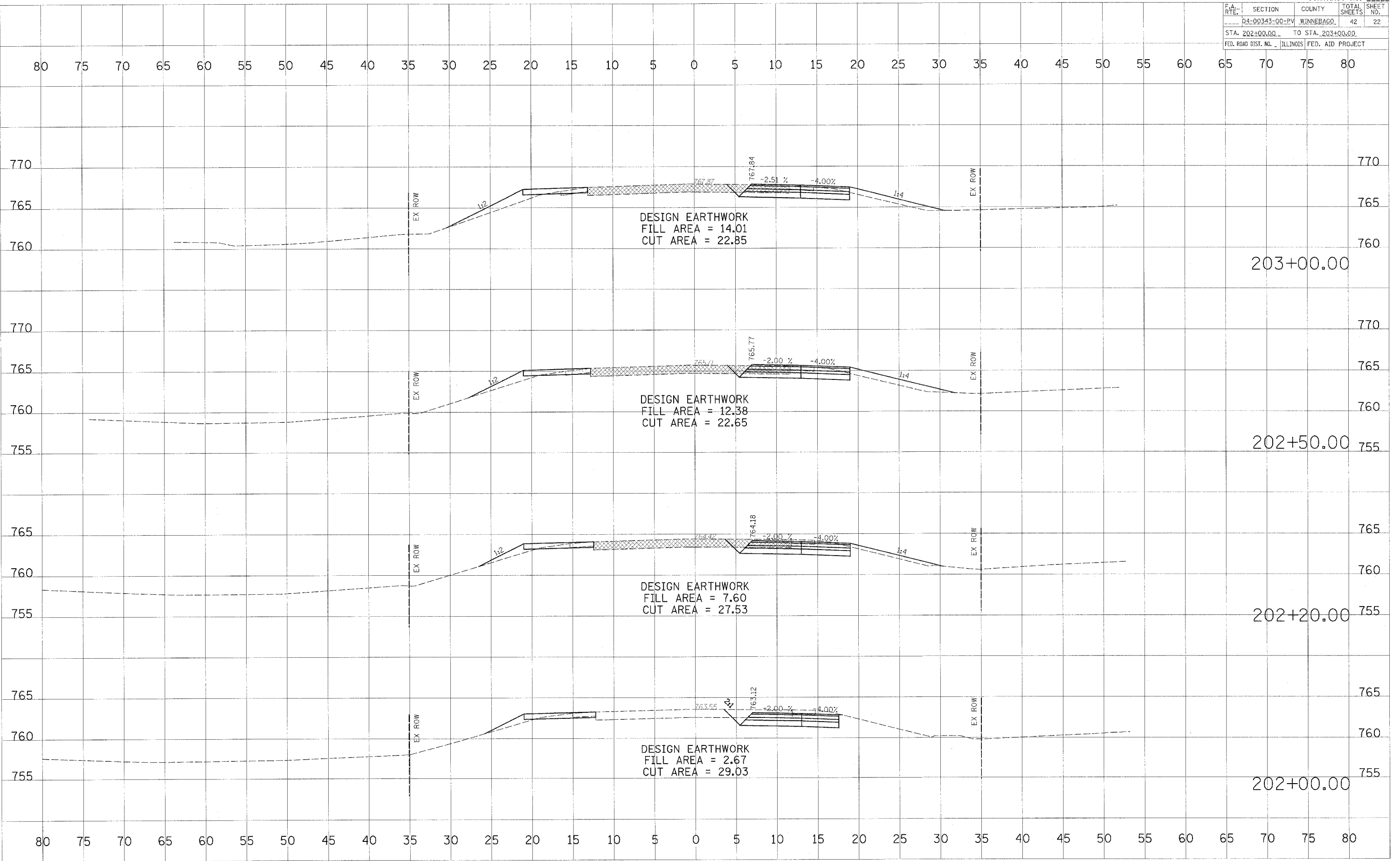


**STAGE 3**

**WINNEBAGO COUNTY - BELTLINE RECONSTRUCTION STAGING PLAN**

S:\TRANS.12.16.06-BELTLINERDWAY.DESIGN\STAGECONSTRUCTION3.DGN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D4-00343-00-PV	WINNEBAGO	42	22
STA. 202+00.00 TO STA. 203+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
 USER: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_  
 USER: \_\_\_\_\_

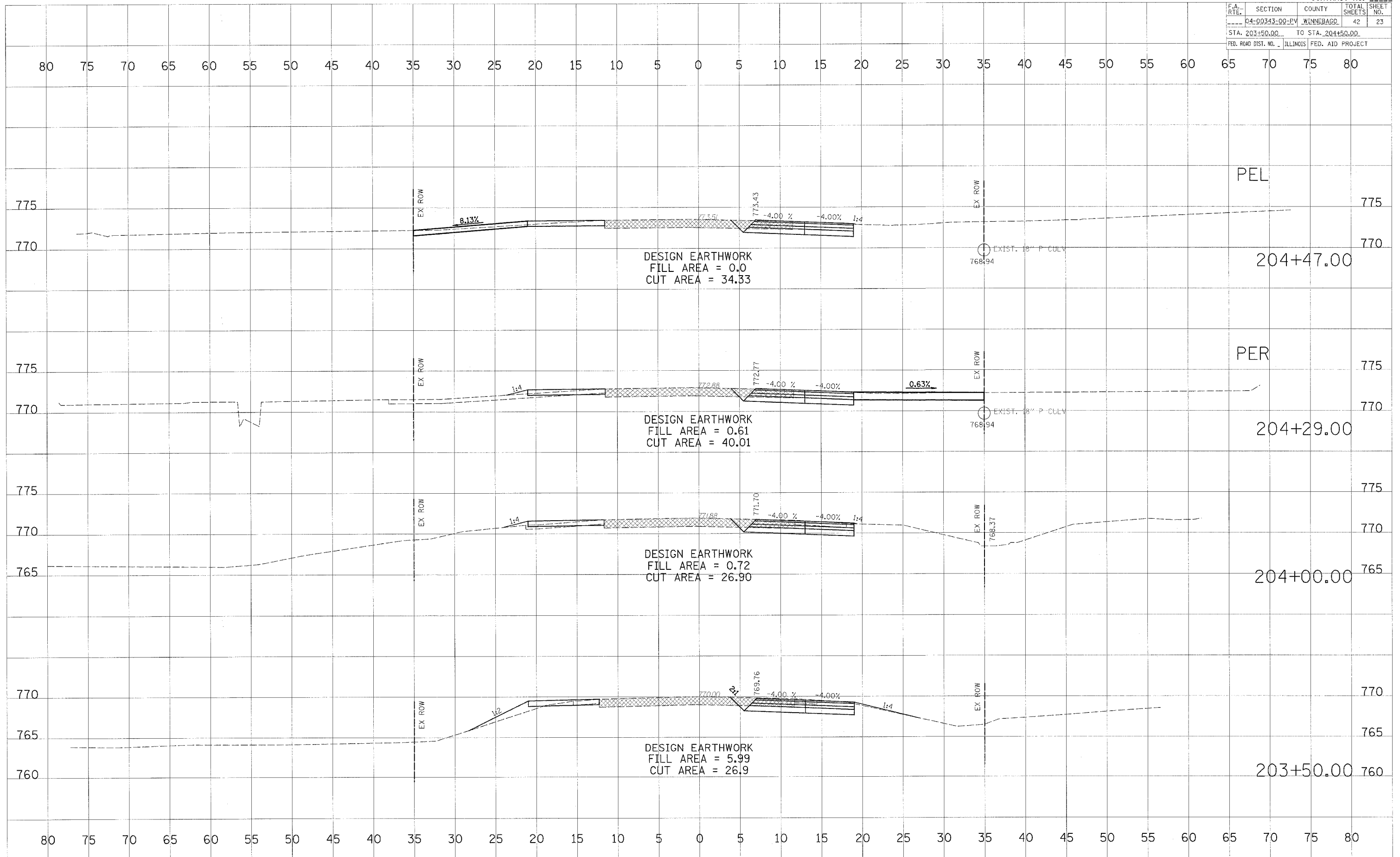
ROUTE# = #001#\*  
 FILE# = #FILE#\*  
 PLOT SCALE = #SCALE#\*  
 USER NAME = #USER#\*

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO	42	23	
STA. 203+50.00		TO STA. 204+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	

ORIGINAL SURVEY	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	

PLOT DATE = 8/24/12  
 FILE NAME = 8/24/12  
 PLOT SCALE = 1"=40'  
 USER NAME = MUSENS

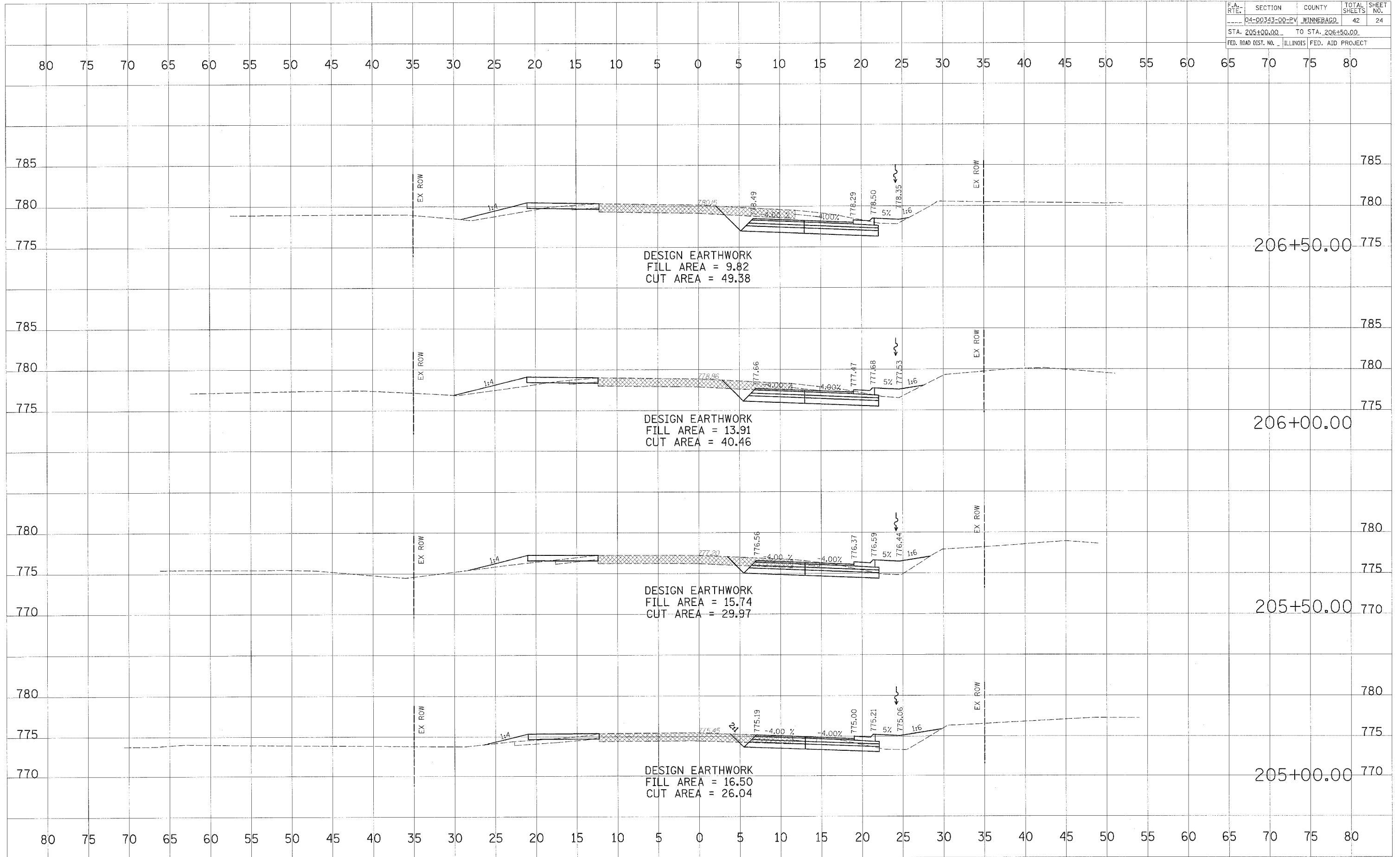


F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00343-00-PV	WINNEBAGO	42	24
STA. 205+00.00 TO STA. 206+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL	
CONV. TO	
PLotted	
TEMPLATE	
AREAS CHECKED	
DATE	
BY	
ORIGINAL	
SURVEY	
NOTE BOOK	
AREAS CHECKED	
DATE	
BY	

DATE	
BY	
ORIGINAL	
SURVEY	
NOTE BOOK	
AREAS CHECKED	
DATE	
BY	

PLOT DATE = \$DATE\$  
 FILE NAME = \$FILE\$  
 PLOT SCALE = \$SCALE\$  
 USER NAME = \$USER\$



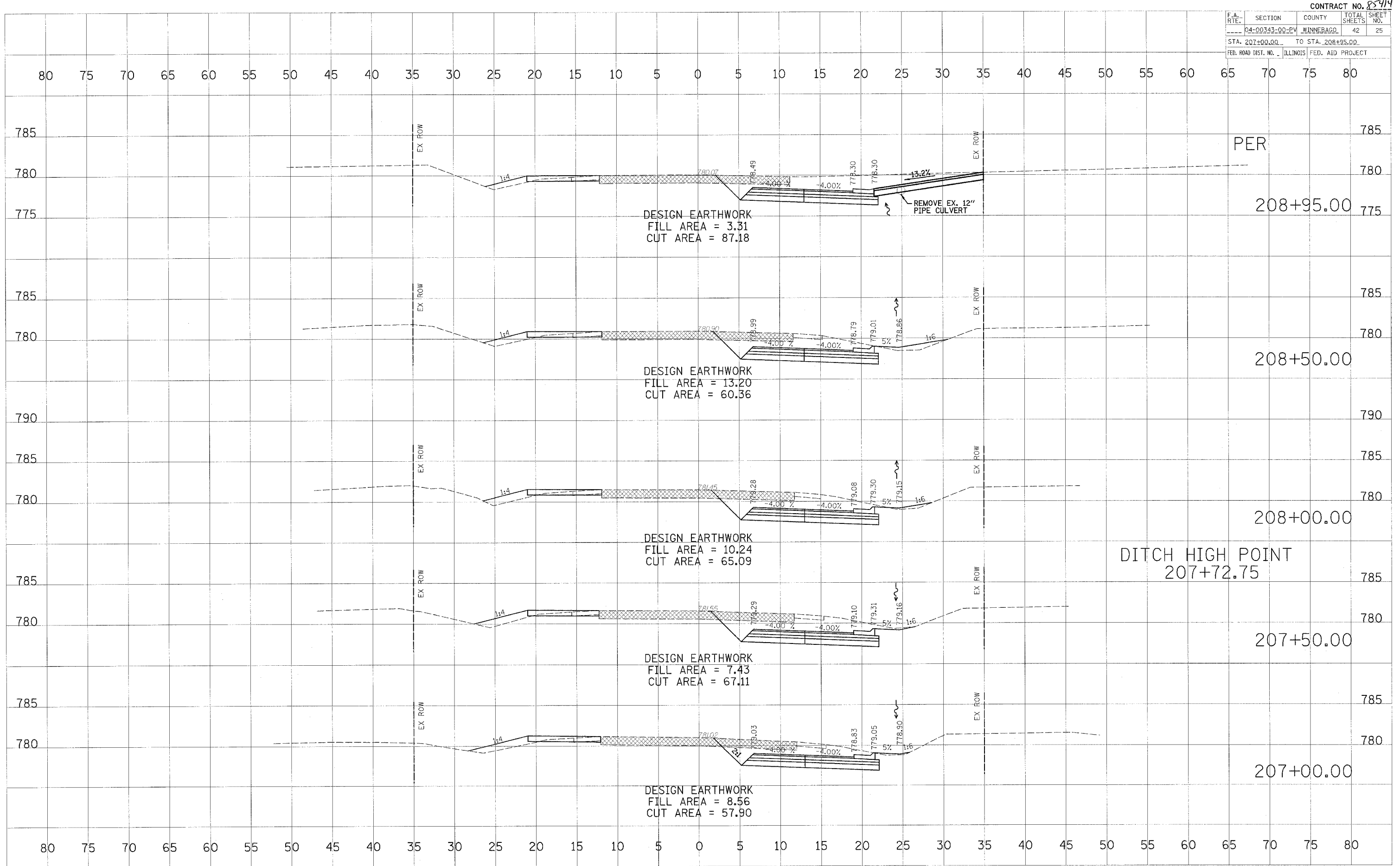


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV		WINNEBAGO	42	25
STA. 207+00.00		TO STA. 208+95.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

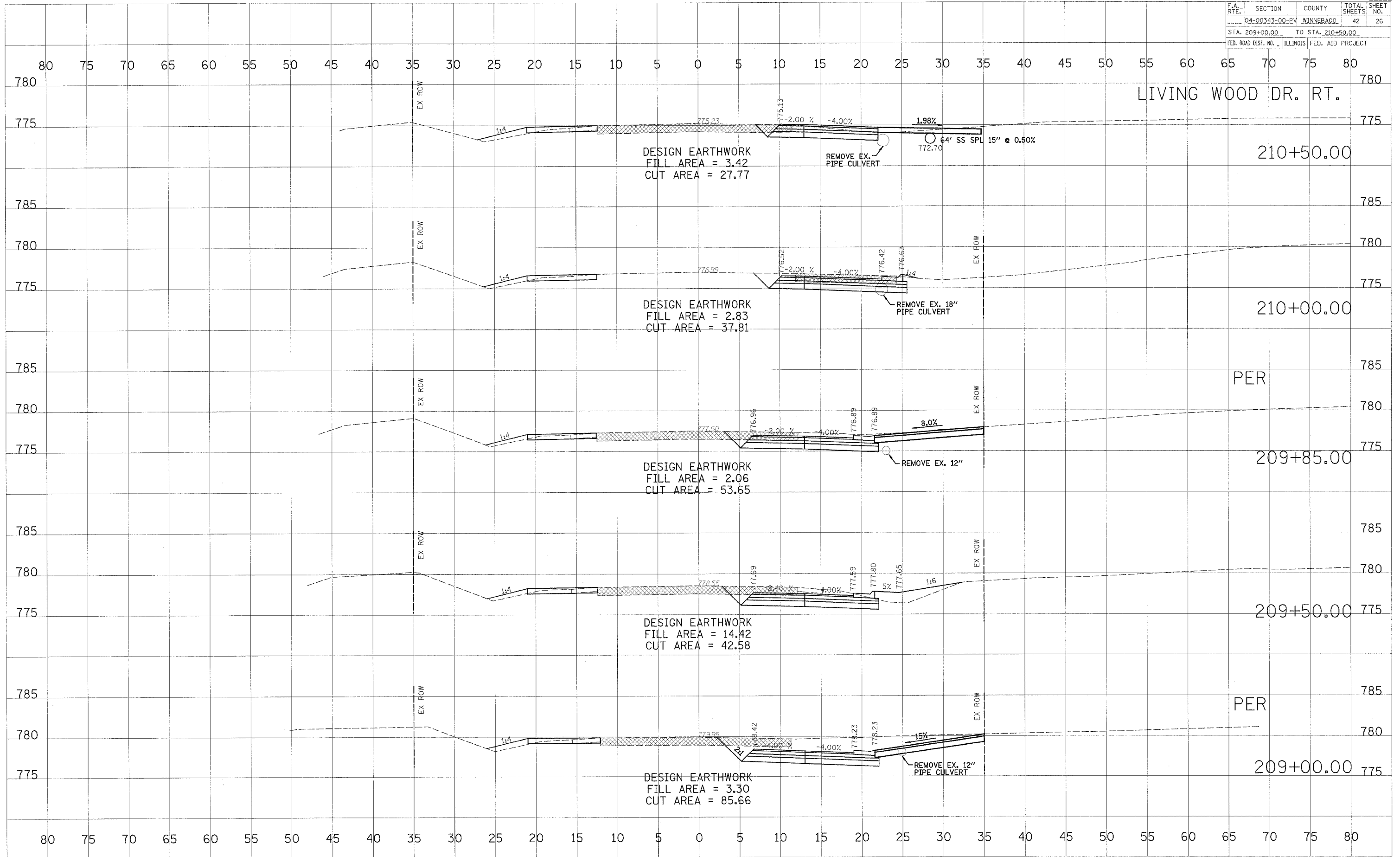
DATE	
BY	
NO.	
FINAL SURVEY	MADE/CO
NOTE BOOK	PLOTTED
AREA	TEMPLATE
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	MADE/CO
NOTE BOOK	PLOTTED
AREA	TEMPLATE
AREAS CHECKED	

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV		WINNEBAGO	42	26
STA. 209+00.00		TO STA. 210+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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

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

PLOT DATE = 08/14/06  
 FILE NAME = BELTLINE.DWG  
 PLOT SCALE = 1"=40'  
 USER NAME = BOBEN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D4-00343-00-PV	WINNEBAGO		42	27
STA. 202+00.00 TO STA. 203+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

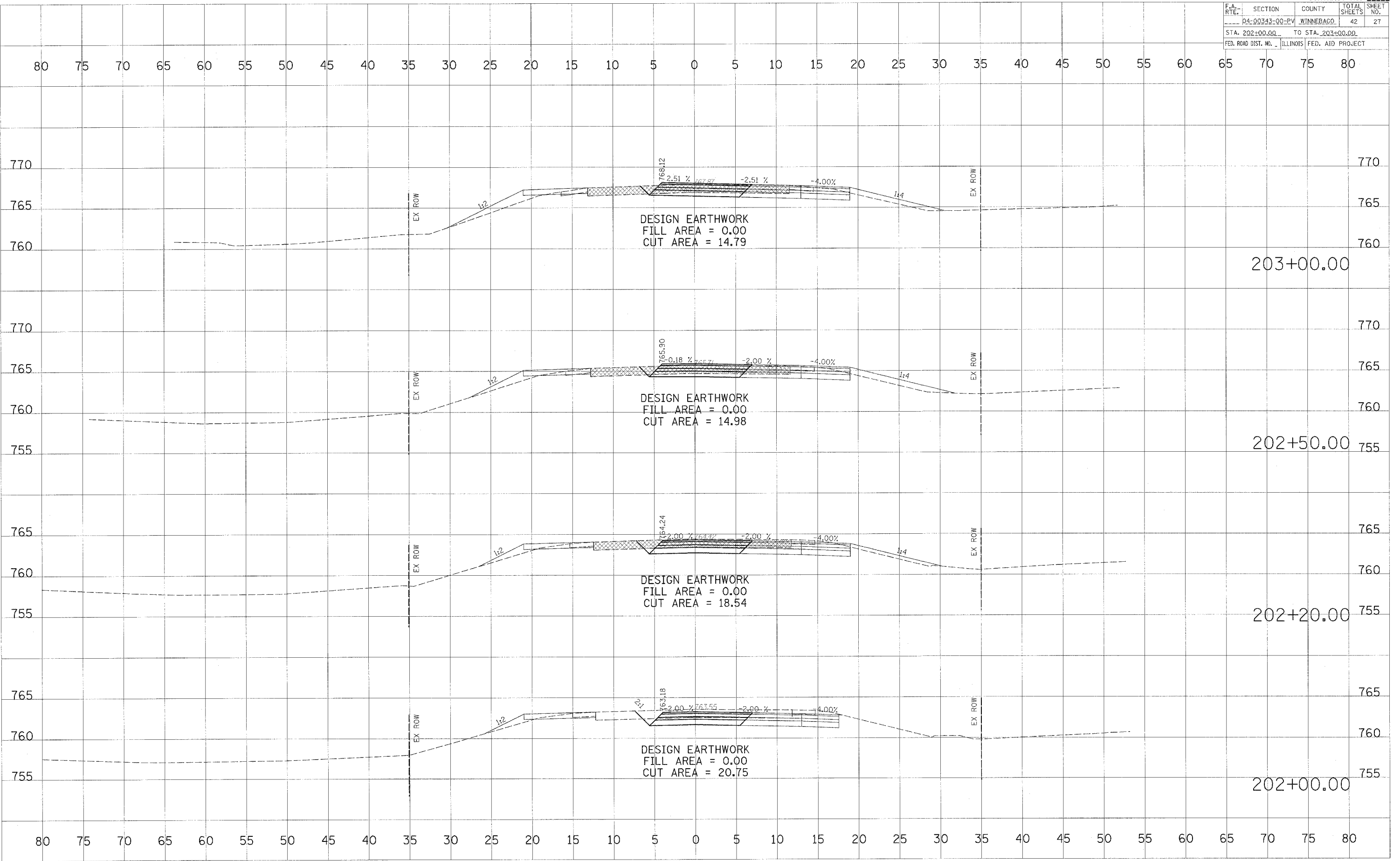
FINAL SURVEY

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE = #DATE\*  
 FILE NAME = #FILE#\*  
 PLOT SCALE = #SCALE\*  
 USER NAME = #USER#\*

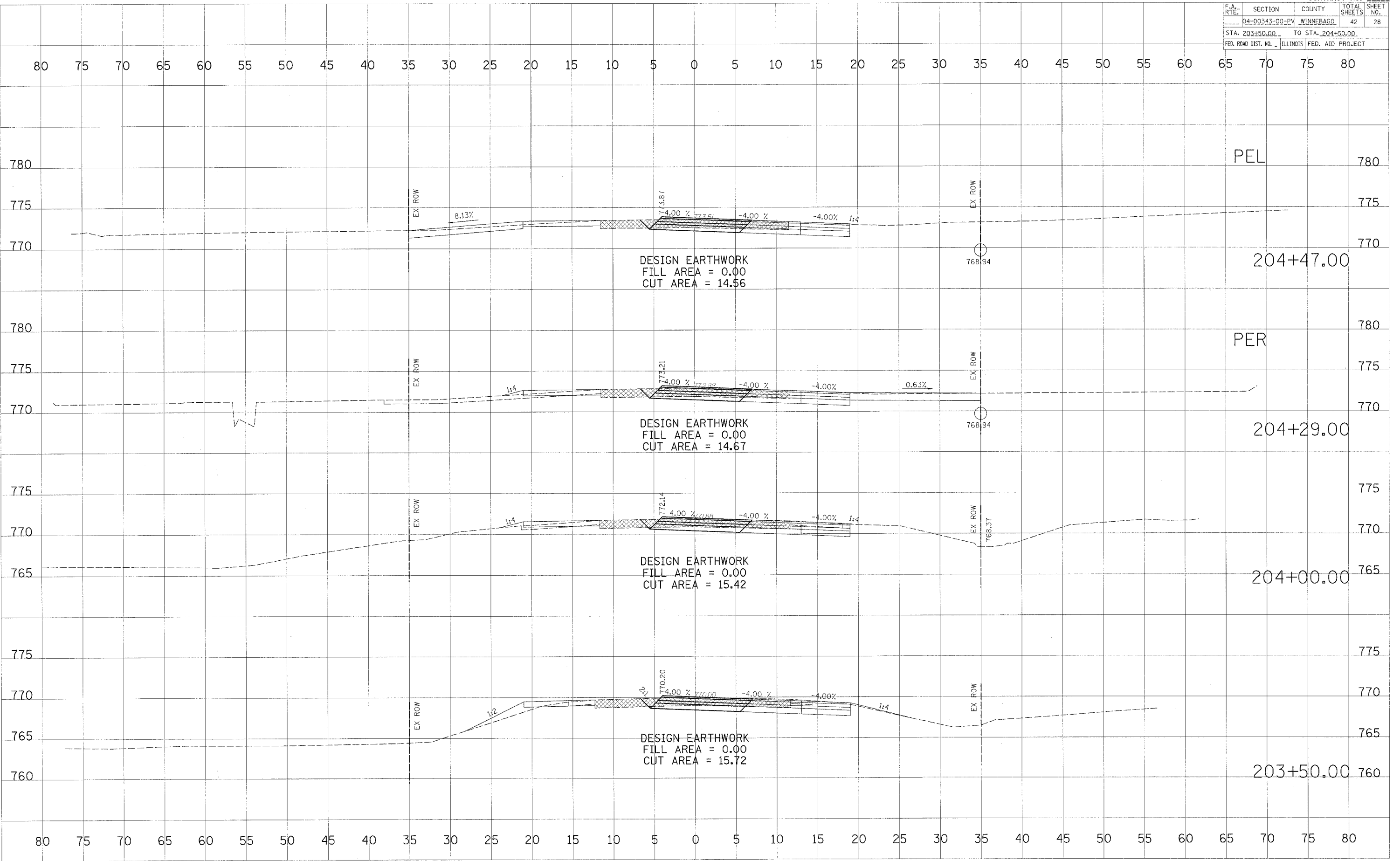


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO	42	28	
STA. 203+50.00 TO STA. 204+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
BY	
NO.	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
BY	
NO.	
AREAS CHECKED	

DATE	SCALE
FILE NAME	SCALE
USER NAME	SCALE

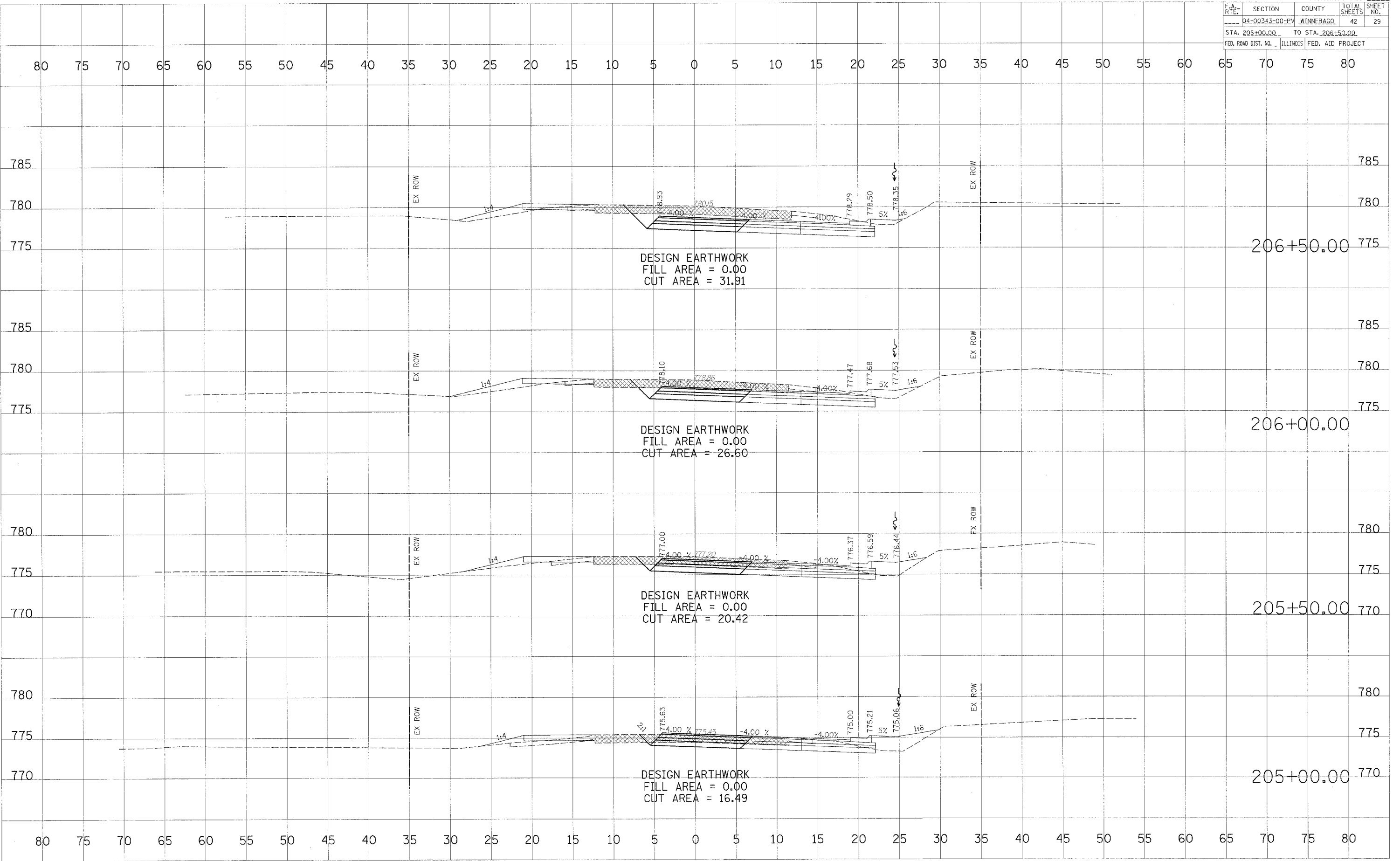


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO	42	29	
STA. 205+00.00 TO STA. 206+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

BY	DATE
FINN	
SURVEY	
NOTE BOOK	
AREAS CHECKED	

BY	DATE
ORIGINAL	
SURVEY	
NOTE BOOK	
AREAS CHECKED	

PLT DATE	DATE
FILE NAME	FILE
PLT SCALE	SCALE
USER NAME	USER

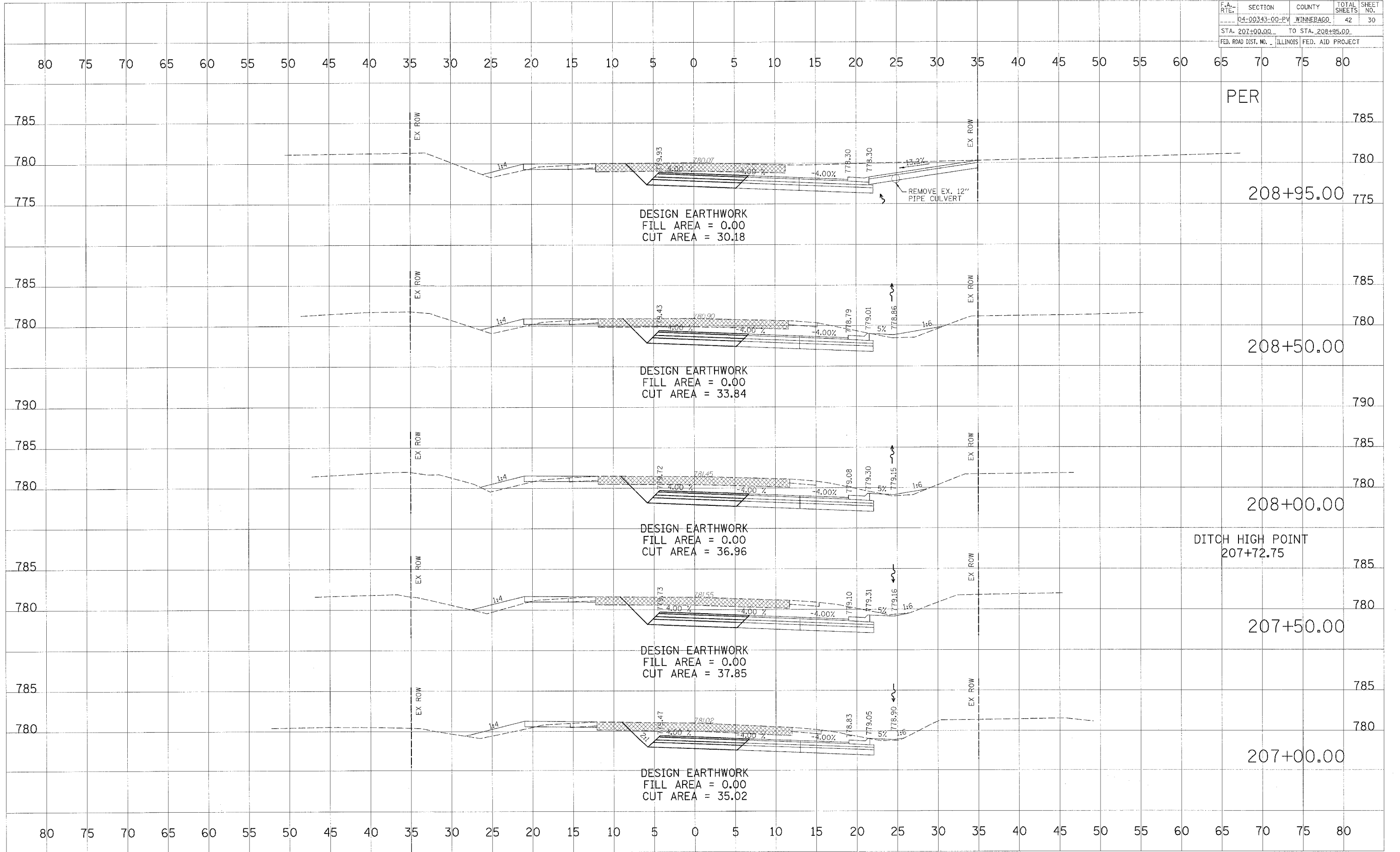


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	30	
STA. 207+00.00 TO STA. 208+95.00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

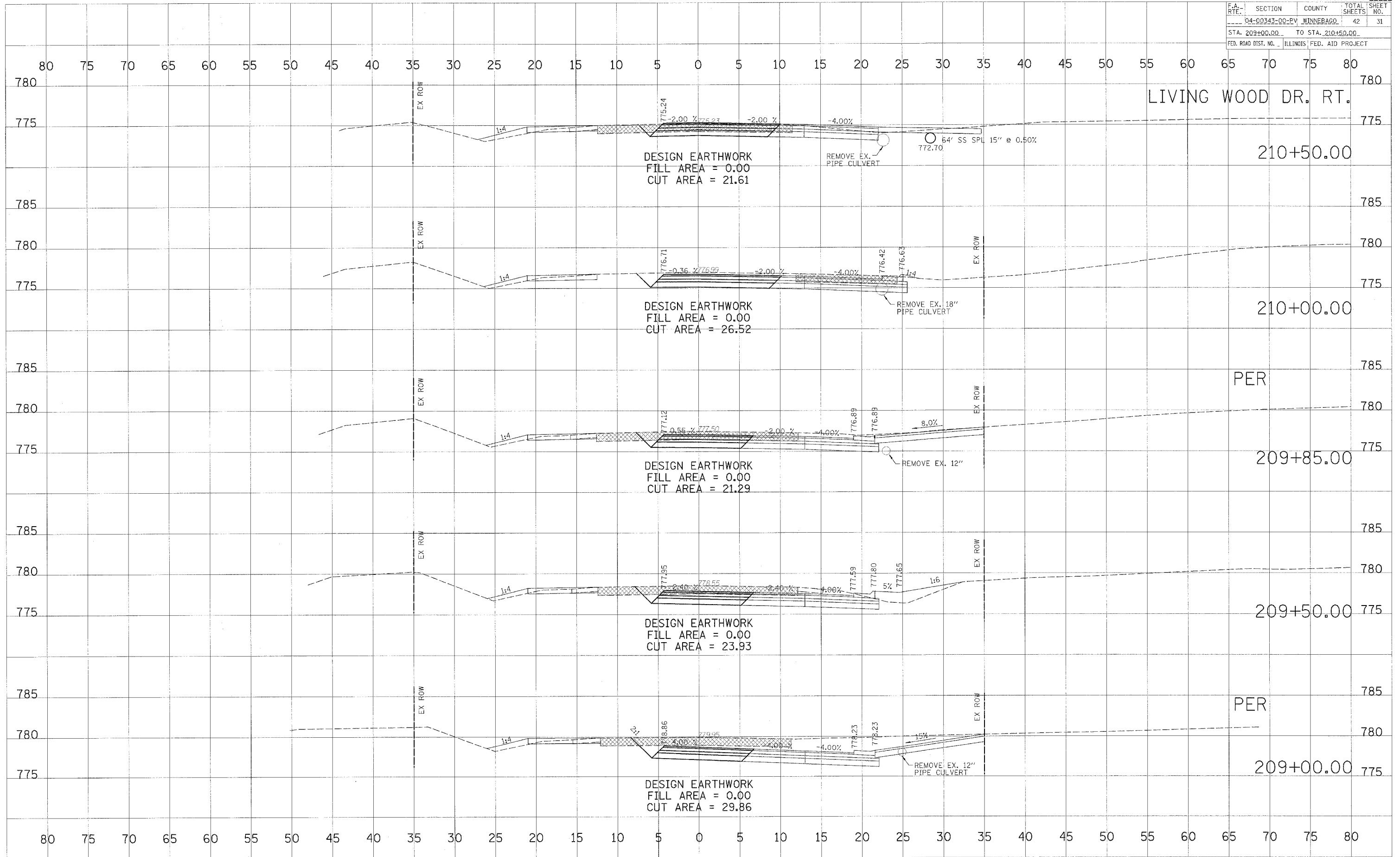
DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY
DATE	BY
DATE	BY



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO		42	31
STA. 209+00.00		TO STA. 210+50.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FINAL	DATE
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	

ORIGINAL	DATE
DATE	
BY	
DATE	
BY	
DATE	
BY	
DATE	
BY	

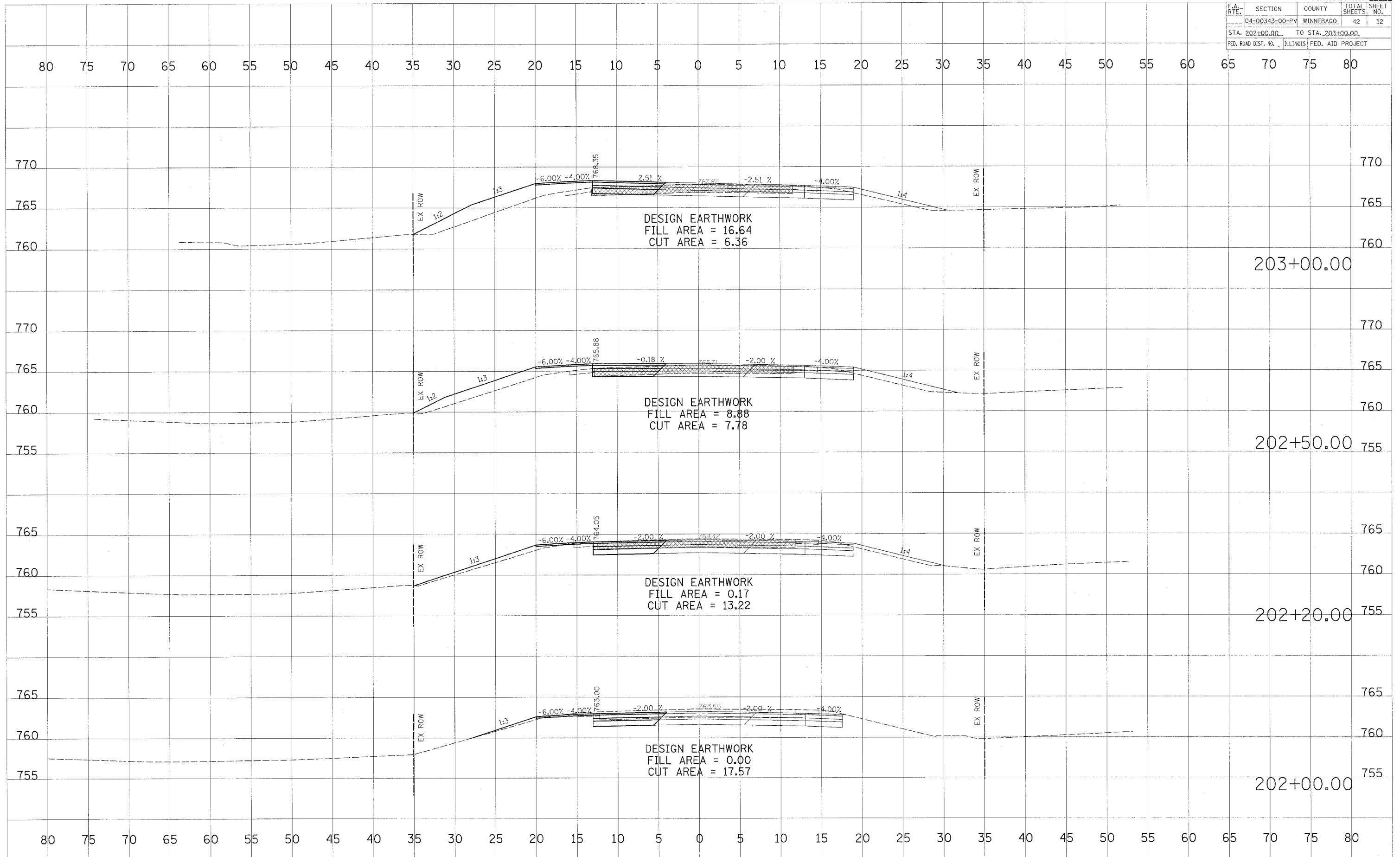
PLOT DATE = DATE\*  
FILE NAME = FILE\*  
PLOT SCALE = SCALE\*  
USER NAME = USER\*

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	SHEET NO.
04-00343-00-EV		WINNEBAGO	42	32
STA. 202+00.00		TO STA. 203+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	DATE
BY	
DESIGNED	
PLOTTED	
TOPPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
BY	
DESIGNED	
PLOTTED	
TOPPLATE	
AREAS CHECKED	
NO.	

PLOT DATE = 8/27/06  
 FILE NAME = 8/15/06  
 PLOT SCALE = 8/30/06  
 USER NAME = 8/30/06





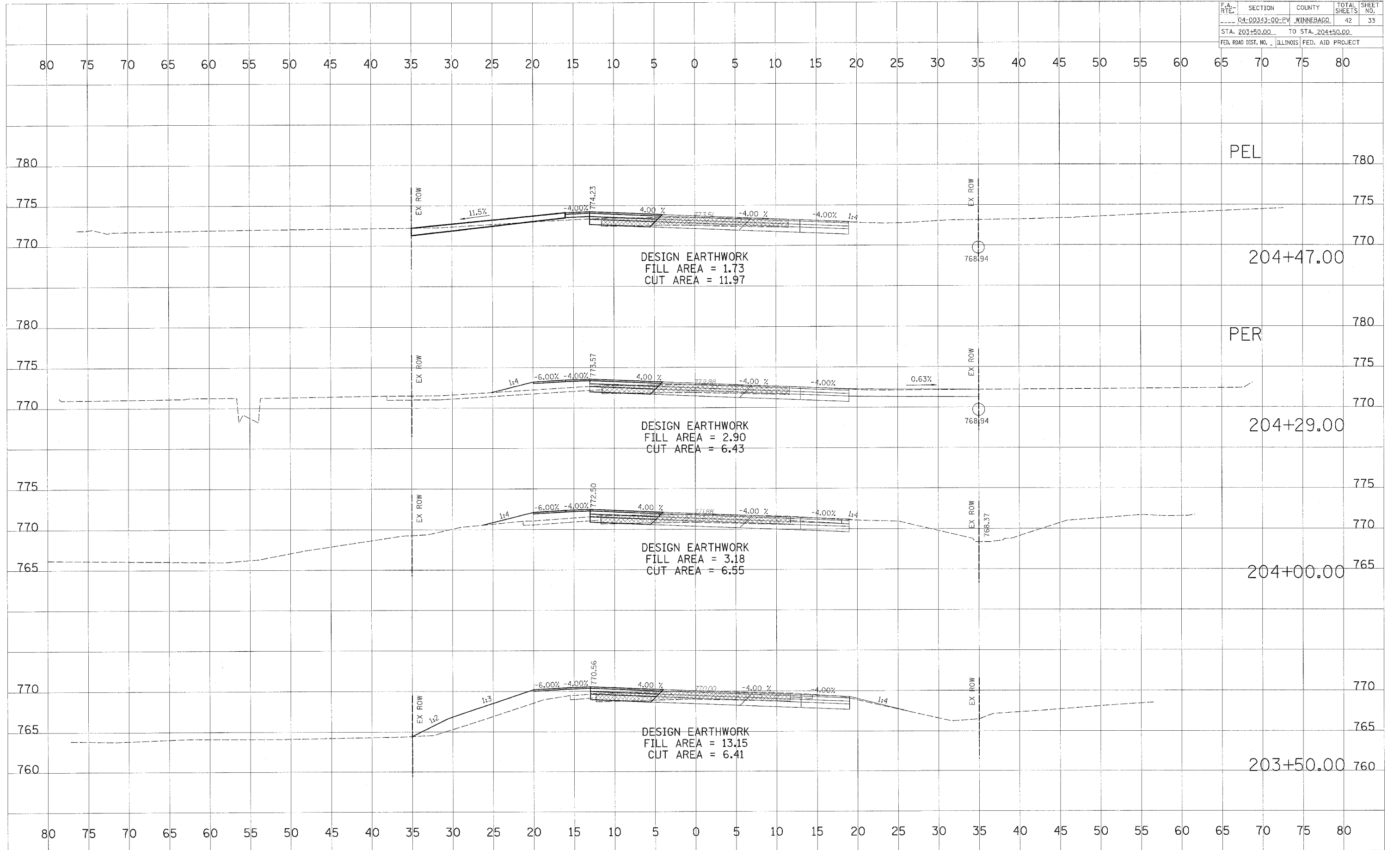
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO		42	33
STA. 203+50.00		TO STA. 204+50.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	BY

DATE	BY

ORIGINATOR	#04168
DRAWN	#04168
CHECKED	#04168
IN CHARGE	#04168
DATE	

S:\TRANS.12\16D06-BELTLINERDWAY.DESIGN.XS50MPHSHEETS.DGN



BELTLINE ROAD - STAGE III CROSS SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV		WINNEBAGO	42	34
STA. 205+00.00		TO STA. 206+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY

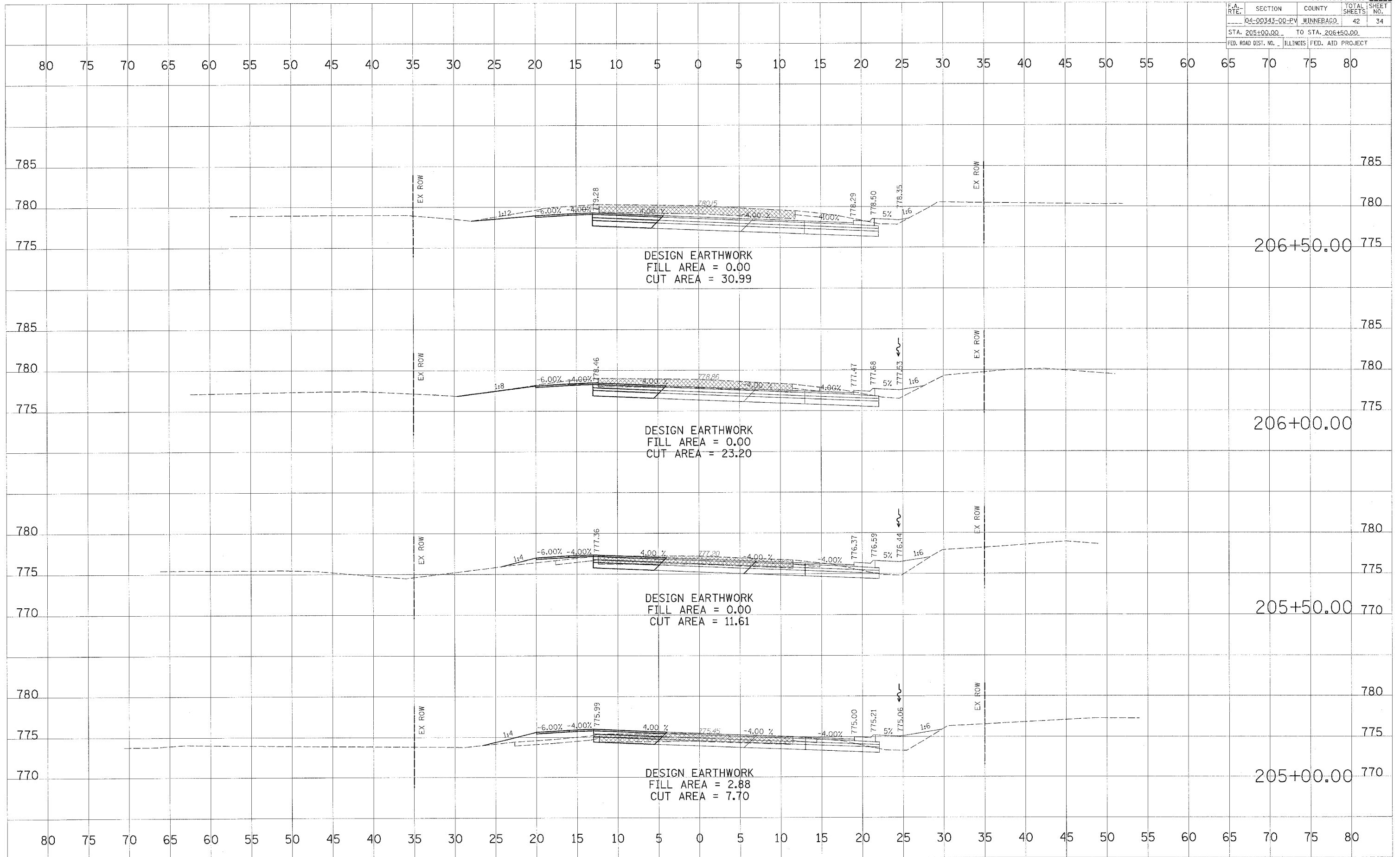
NO.	AREAS CHECKED

DATE	BY

NO.	AREAS CHECKED

PLOT DATE = 04/15/08  
 FILE NAME = 04-00343-00-PV-34.dwg  
 PLOT SCALE = 1"=40'  
 USER NAME = JMS/ENR

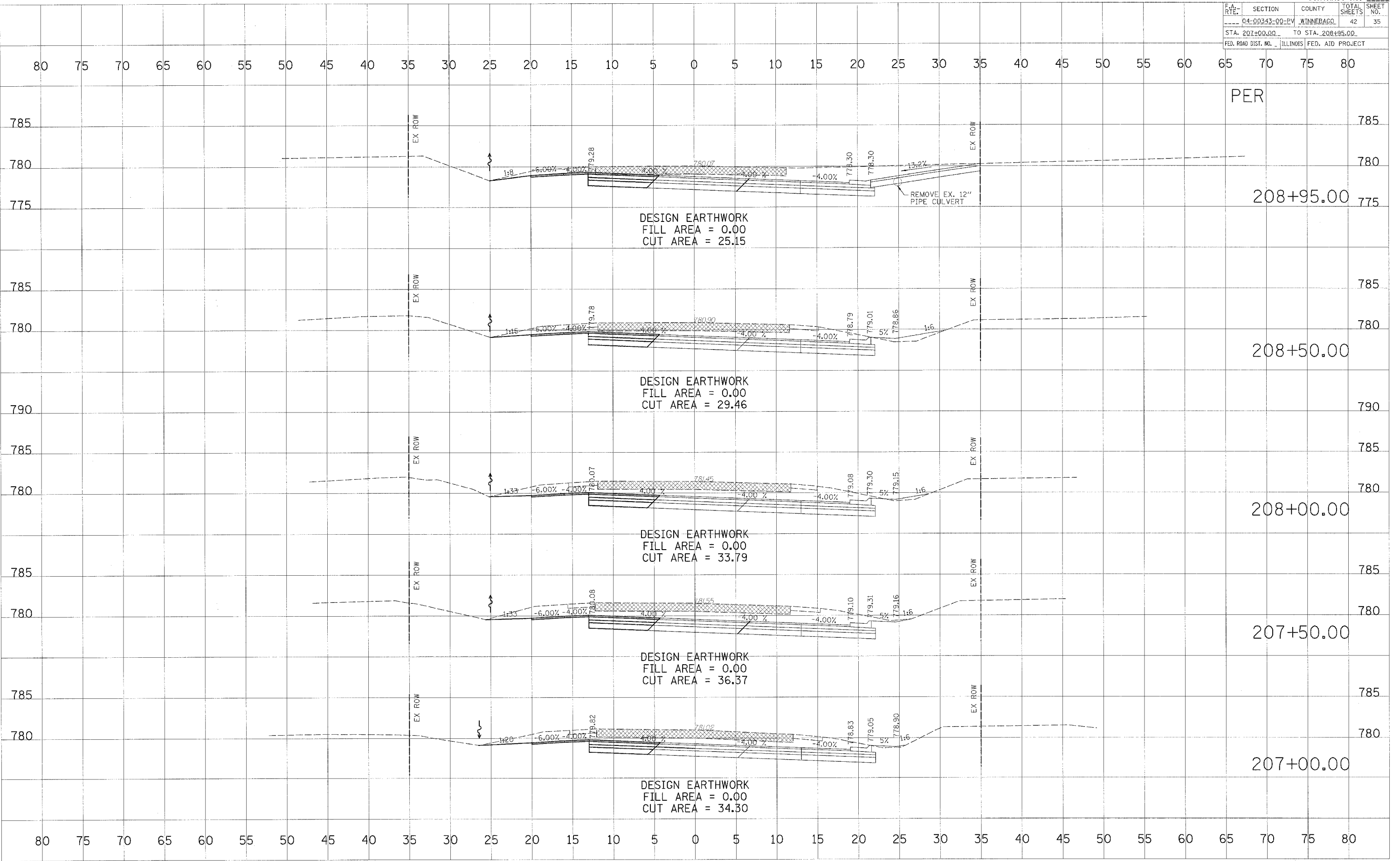


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO		42	35
STA. 207+00.00 TO STA. 208+95.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

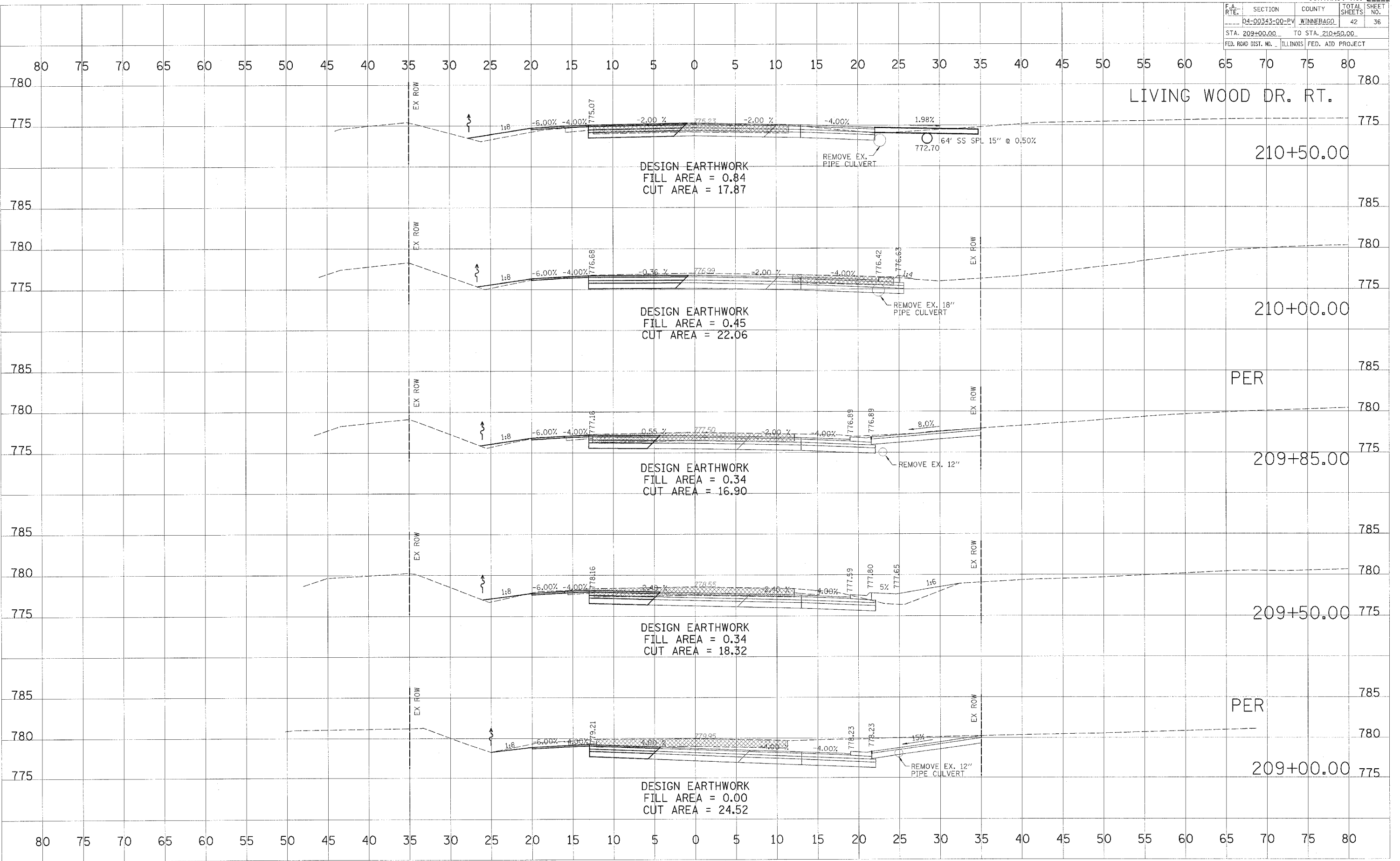
FINAL SURVEYED BY DATE  
 SUPPLY DRAWN BY DATE  
 NOTE BOOK TEMPLATE NO.  
 AREAS CHECKED

ORIGINAL SURVEYED BY DATE  
 SUPPLY DRAWN BY DATE  
 NOTE BOOK TEMPLATE NO.  
 AREAS CHECKED

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D4-00343-00-PV	WINNEBAGO		42	36
STA. 209+00.00		TO STA. 210+50.00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

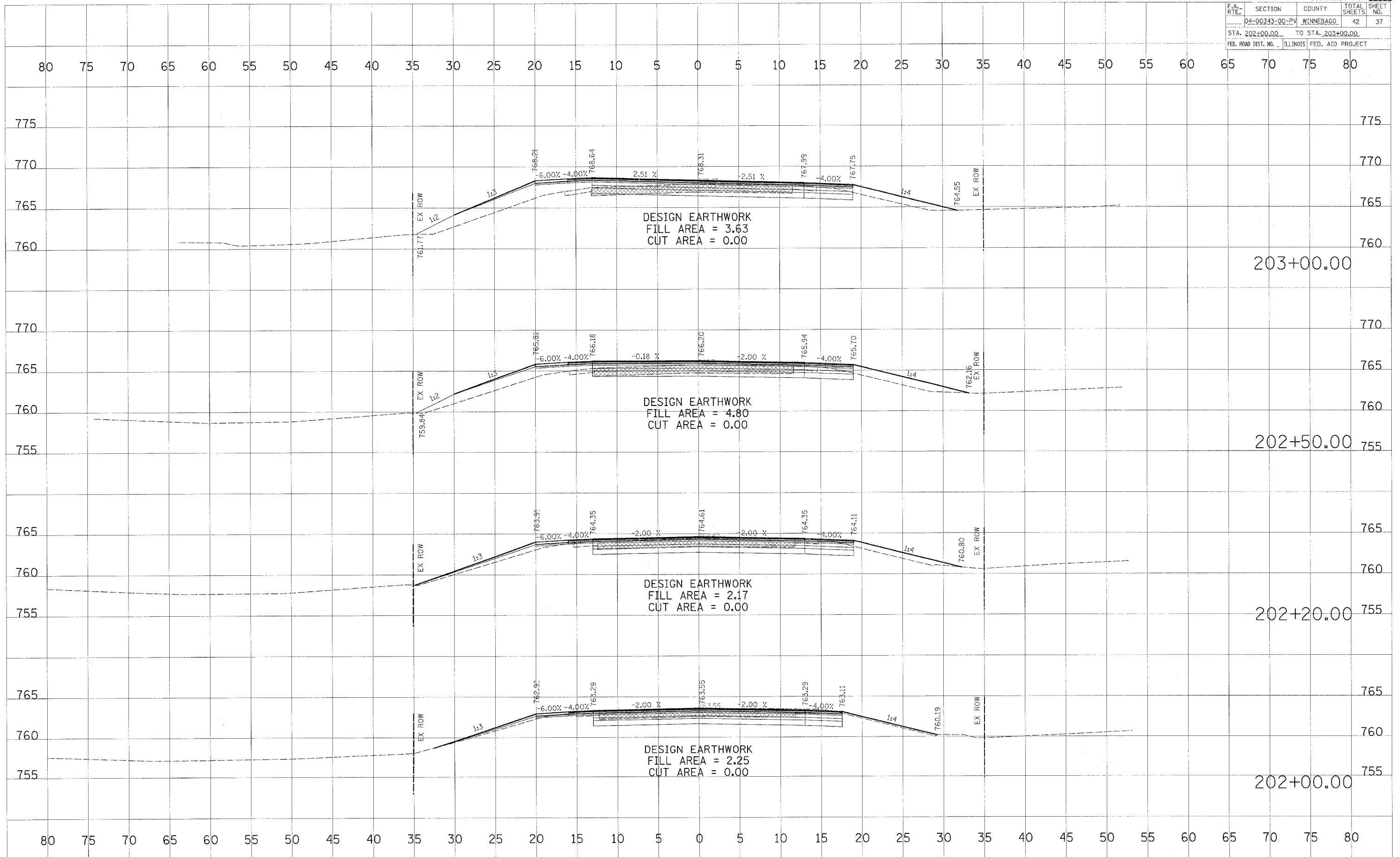
PLOT DATE = #DATE\*  
 FILE NAME = #FILE\*  
 PLOT SCALE = #SCALE\*  
 USER NAME = #USER\*

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	37	
STA. 202+00.00		TO STA. 203+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
MS.	

DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
MS.	

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

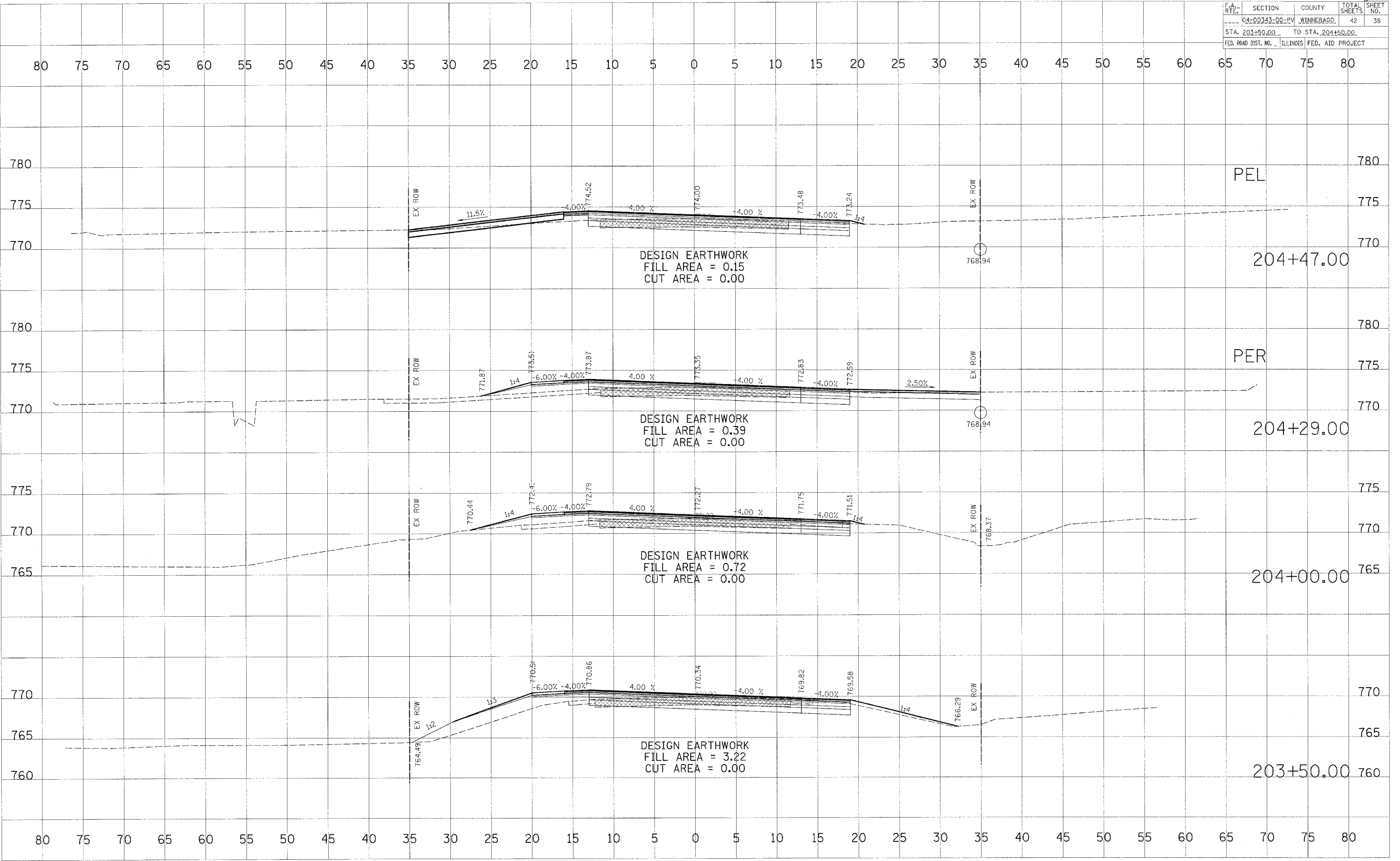


F.A. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-PV	WINNEBAGO	42	38	
STA. 203+50.00 TO STA. 204+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
APPROVED	
SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
APPROVED	
SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
APPROVED	
SURVEY	
NOTE BOOK	
AREAS CHECKED	

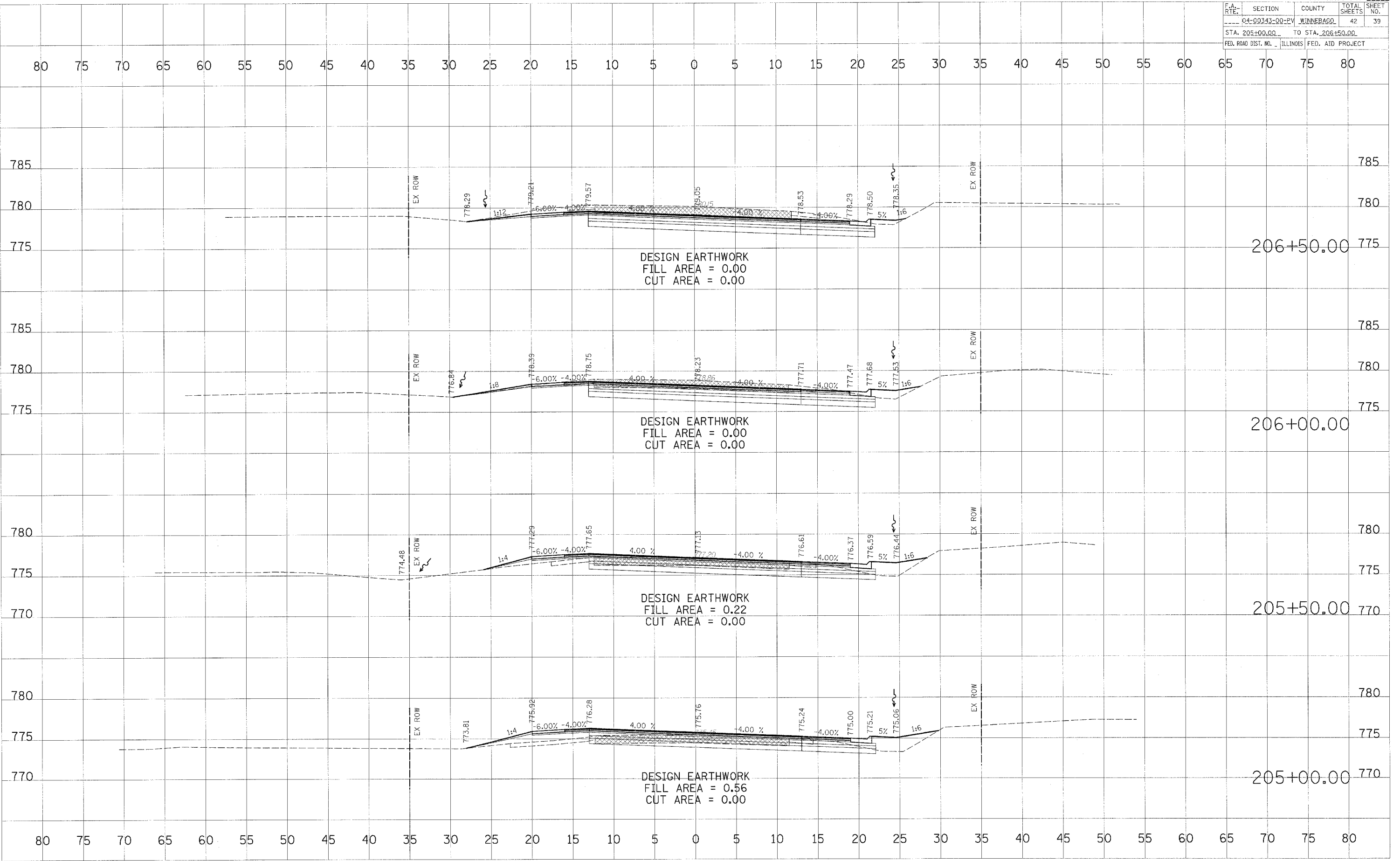


F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO	42	39	
STA. 205+00.00 TO STA. 206+50.00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

BY	DATE
FINL	
SURVEY	
NOTE BOOK	
AREAS CHECKED	

BY	DATE
ORIGINAL	
SURVEY	
NOTE BOOK	
AREAS CHECKED	

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV		WINNEBAGO	42	40
STA. 207+00.00		TO STA. 208+95.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

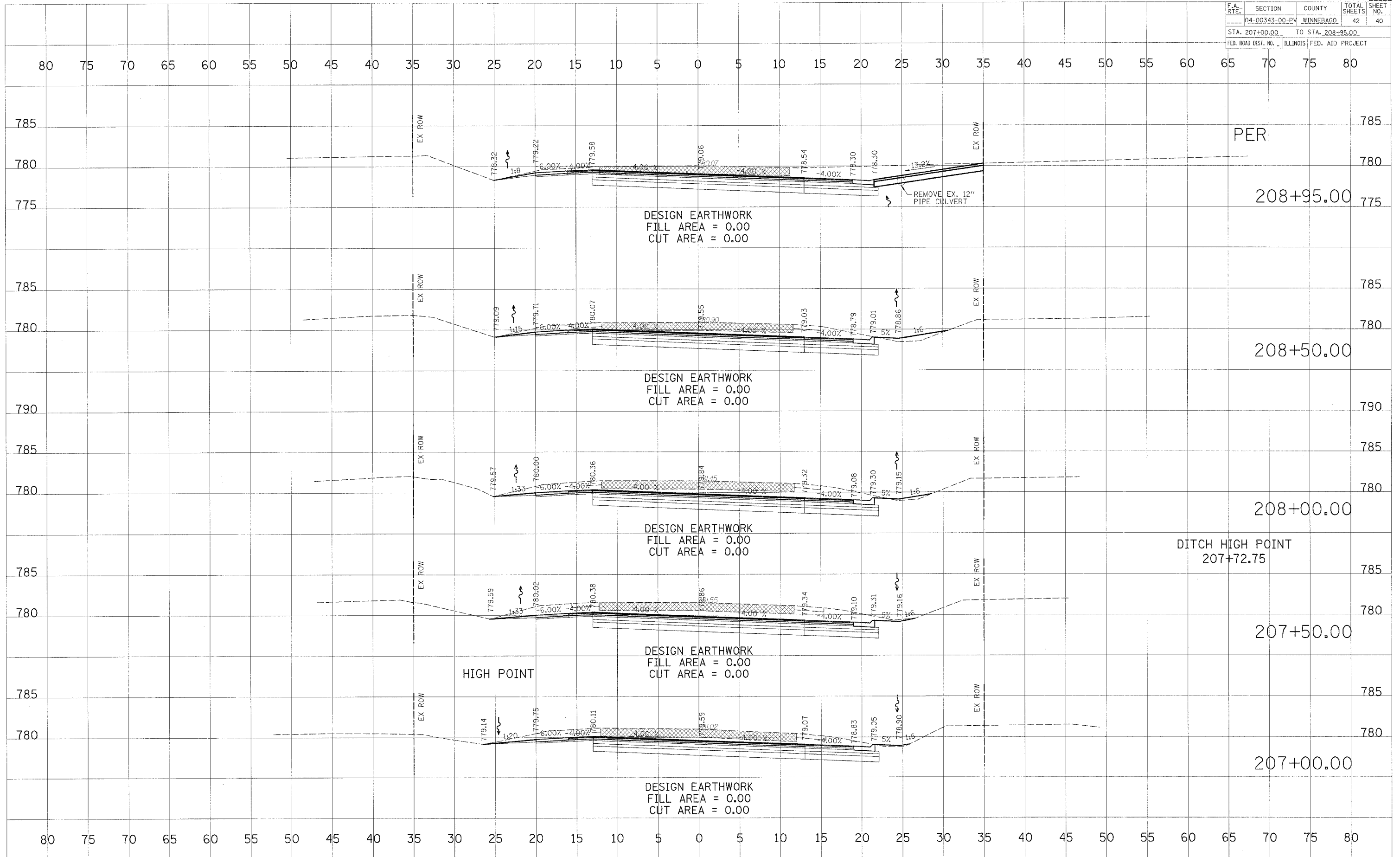
NO.	DESCRIPTION

DATE	BY

NO.	DESCRIPTION

PLOT DATE = DATE  
 FILE NAME = FILE  
 PLOT SCALE = SCALE  
 USER NAME = USER



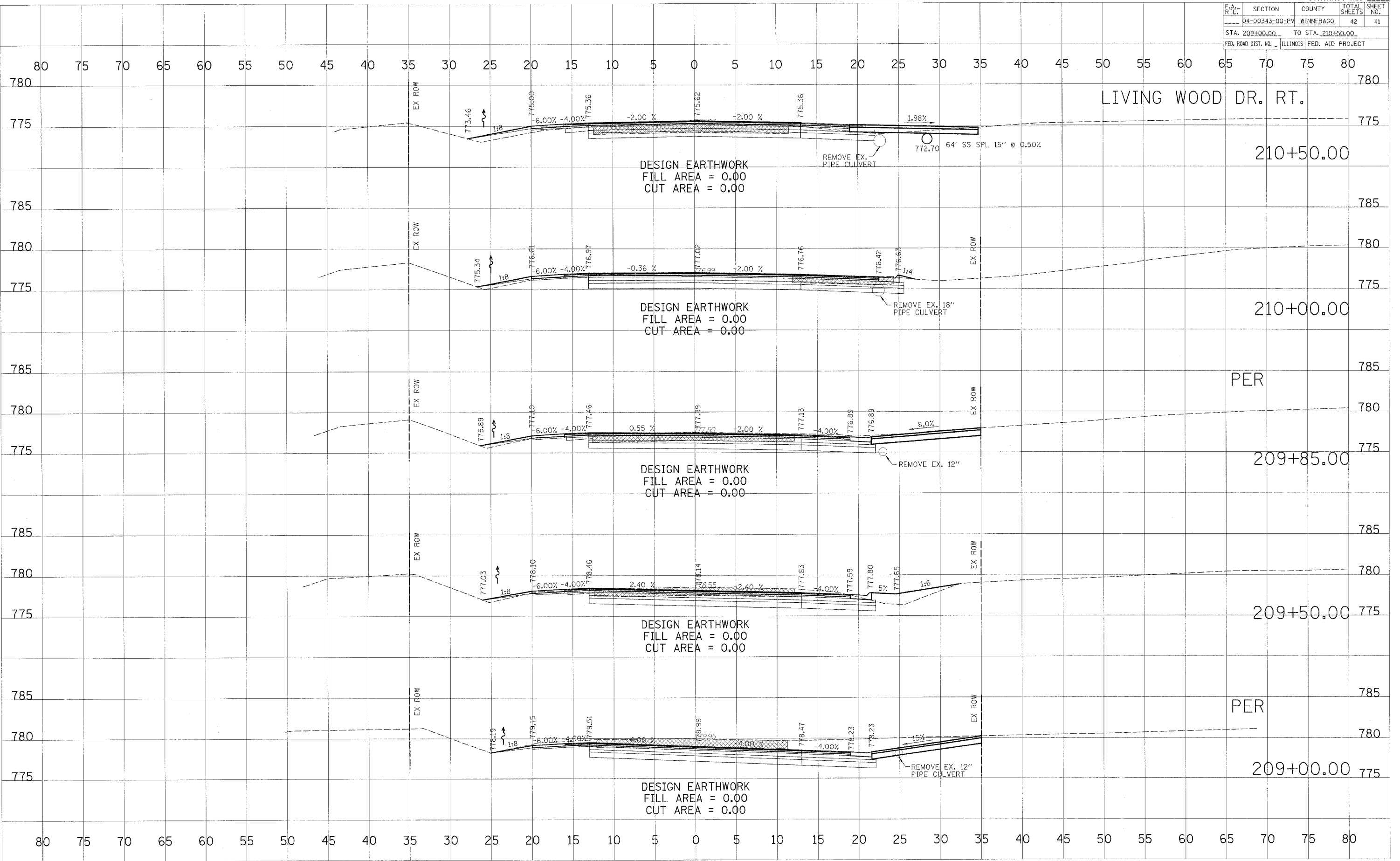


F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00343-00-EV	WINNEBAGO	42	41	
STA. 209+00.00 TO STA. 210+50.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

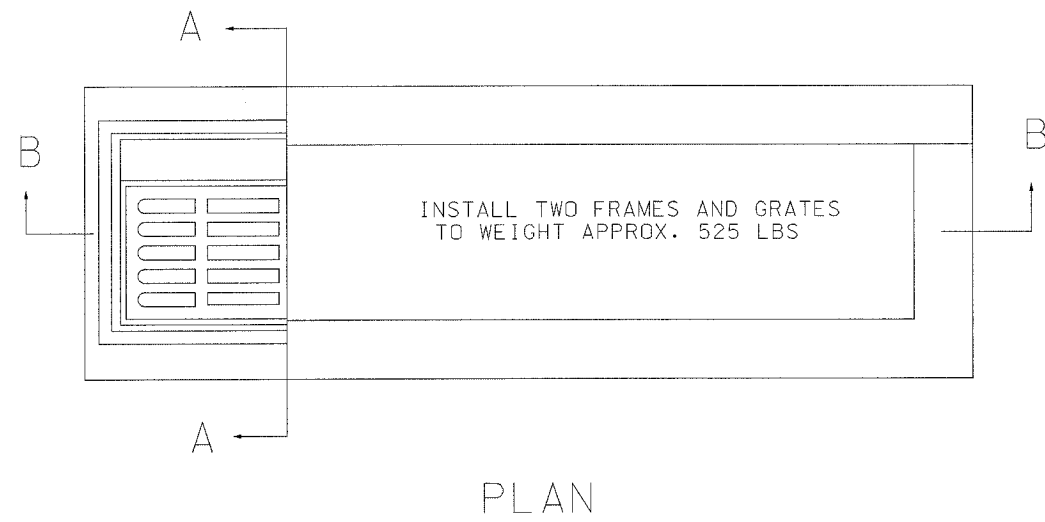
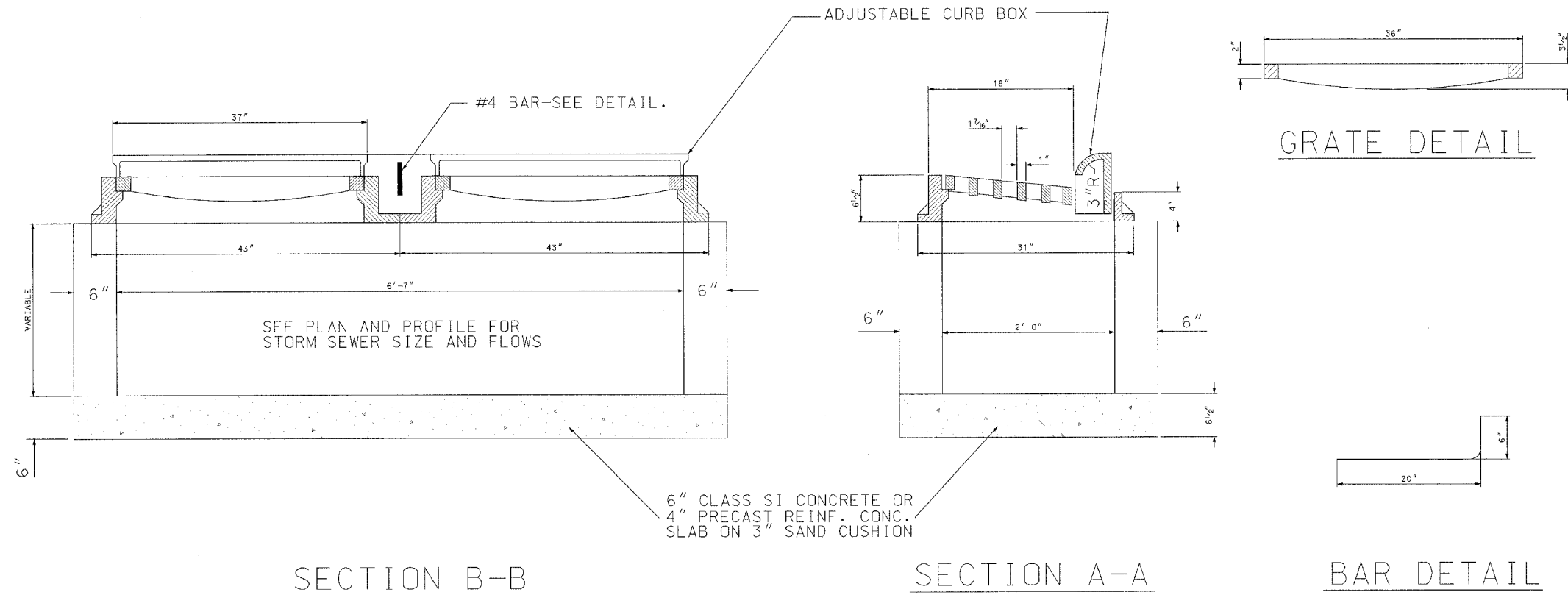
PLOT DATE = 04/15/06  
 FILE NAME = BELTLINE.DGN  
 PLOT SCALE = 1"=40'  
 USER NAME = RUSSEL



F.A.D. RTEL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5154	24-00343-00-EV	WINNEBAGO	42	42
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

85414

# INLETS, SPECIAL



**NOTES:**

THE INLET SHALL BE CAST IN PLACE OR PRECAST. DOUBLE INLET, SPECIAL WITH FRAME AND GRATE SHALL BE CONSTRUCTED IN ACCORDANCE W/SECTION 602 OF THE STANDARD SPECIFICATIONS.

THE CONTRACT UNIT PRICE EACH INLET SPECIAL SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE INLET BOX, FRAME AND GRATE, AND FLOOR OR INLET W/SAND CUSHION IF REQUIRED.

CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT.

THE SIDE WALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.

THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS.

\* THE WALL ADJUSTMENTS SHALL BE MADE W/CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.

FRAME AND GRATE TO WEIGH APPROXIMATELY 525 LBS. EACH.

INLETS, SPECIAL

STANDARD: WHA 630

**WHA** **WILLETT, HOFMANN & ASSOCIATES, INC.**  
**CONSULTING ENGINEERS**  
 Land Surveying - Transportation - Structural  
 Environmental - Architecture

809 East Second Street Dixon, Illinois 61021  
 Phone 815.284.3381 Fax 815.284.3385  
 Design Firm #184-000918  
 www.willetthofmann.com