

PROJECT ENGINEER: MASOOD AHMAD

SENIOR SQUAD LEADER: SAM ABDULLAH (815)284-5935

CONTRACT NO. 64D51

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	1

\*(IL 173)

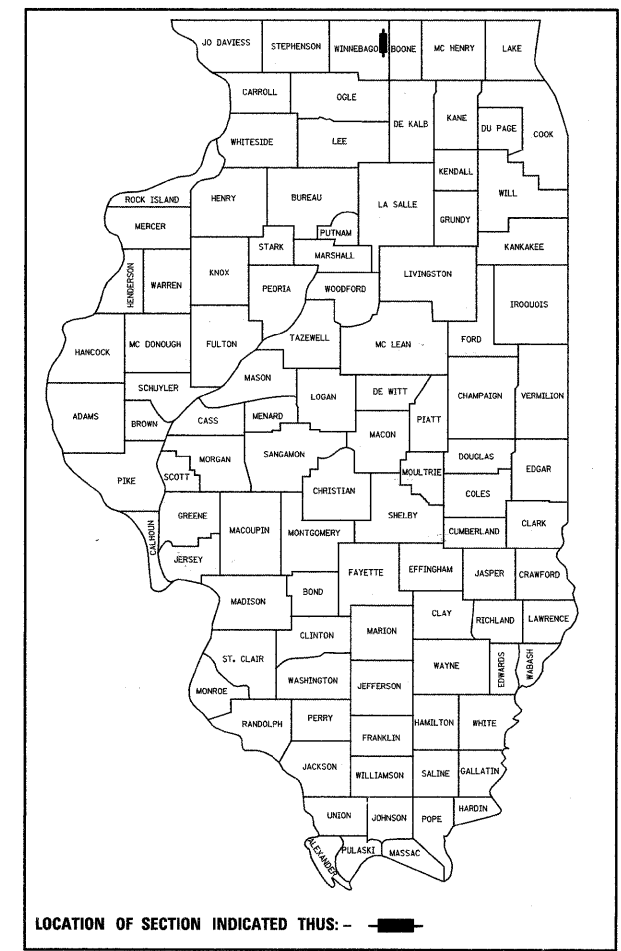
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 303 (IL 173)  
SECTION 129M&TS  
PROJECT ACHSIP-ACNHF-0303(036)  
WINNEBAGO COUNTY  
C-92-117-07

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR STATE STANDARDS, SEE SHEET 2

D-92-097-07



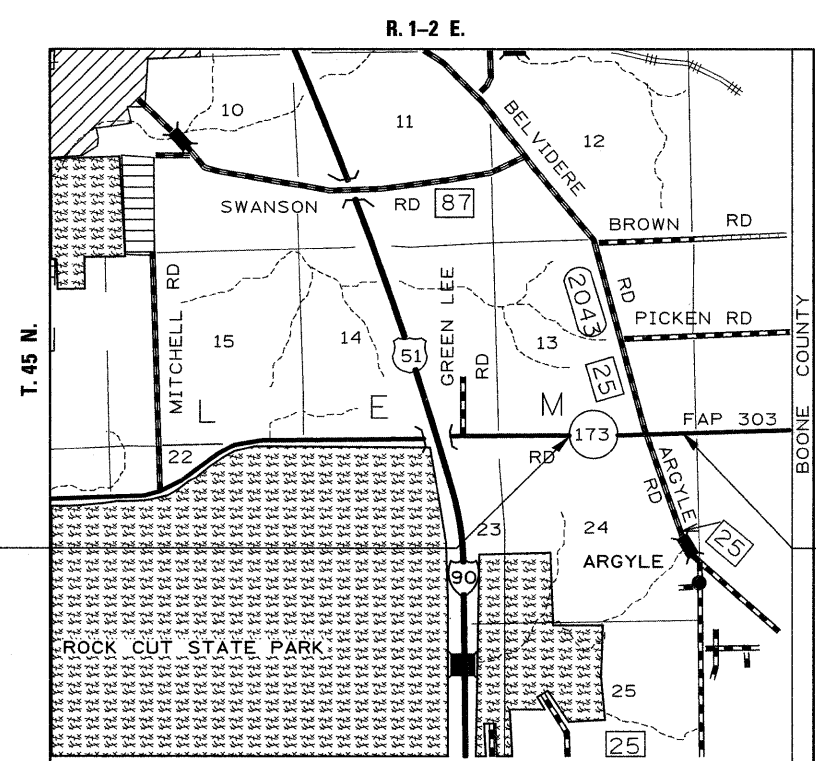
**DESIGN DESIGNATION**

1208(27) - OPA - 3.81(FD-20)

HARLEM TOWNSHIP - SECTIONS 13 & 24

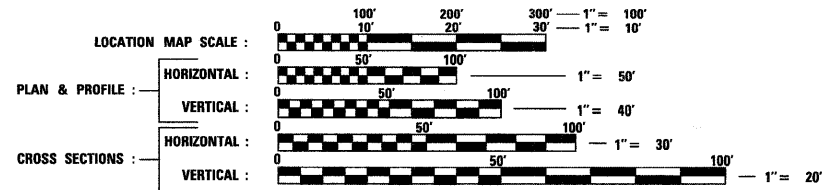
IMPROVEMENT BEGINS  
STA 230 + 64  
SECTION BEGINS  
STA 231 + 14

SECTION ENDS  
STA 259 + 62.68  
IMPROVEMENT ENDS  
STA 260 + 12.68



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123



GROSS LENGTH OF PROJECT = 2848.68 FEET = 0.539 MILES  
NET LENGTH OF PROJECT = 2848.68 FEET = 0.539 MILES

CONTRACT NO. 64D51

FAP ROUTE 303 (IL 173) SECTION 129M&TS WINNEBAGO COUNTY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED DECEMBER 5 20 07

*George F. Ryan*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*February 1, 2008*  
*Eric S. Harm*  
ENGINEER OF DESIGN AND ENVIRONMENT

*February 1, 2008*  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

\*(IL 173)

# INDEX OF SHEETS AND STATE STANDARDS

## INDEX OF SHEETS

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  - ARGYLE ROAD (100-104)
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## STATE STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-07 PAVEMENT JOINTS
- 442201-03 CLASS C AND D PATCHES
- 482011-03 HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 542301-01 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542311 GRATING FOR CONCRETE FLARED END SECTION (FOR 600mm (24") THRU 1350mm (54") PIPE)
- 542401 METAL END SECTIONS FOR PIPE CULVERTS
- 606001-03 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-03 PC CONCRETE ISLANDS AND MEDIANS
- 635001 DELINEATORS
- 666001 RIGHT-OF-WAY MARKERS
- 667101 PERMANENT SURVEY MARKERS
- 701006-02 OFF-ROAD OPERATIONS, 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
- 701011-01 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >45 MPH
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >45 MPH
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701331-02 LANE CLOSURE, 2L, 2W, WITH RUN-AROUND, FOR SPEEDS >45 MPH
- 701701-05 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901 TRAFFIC CONTROL DEVICES
- 720001 SIGN PANEL MOUNTING DETAILS
- 720006-01 SIGN PANEL ERECTION DETAILS
- 720011 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
- 720016-01 MAST ARM MOUNTED STREET NAME SIGNS
- 728001 TELESCOPING STEEL SIGN SUPPORT
- 729001 APPLICATIONS OF TYPE A AND B METAL POSTS (FOR SIGNS AND MARKERS)
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 805001 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-01 HANDHOLES
- 814006-01 DOUBLE HANDHOLES
- 857001 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 873001-01 TRAFFIC SIGNAL GROUNDING AND BONDING
- 877011-03 STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 878001-06 CONCRETE FOUNDATION DETAILS
- 880006 TRAFFIC SIGNAL MOUNTING DETAILS

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REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>FAP ROUTE 303 (IL 173)</b> <b>SECTION 129M&amp;TS</b> <b>WINNEBAGO COUNTY</b>
SCALE:	VERT.      DRAWN BY	CHECKED BY
DATE	HORIZ.	

# SUMMARY OF QUANTITIES

CONTRACT NO. 64D51

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	3
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS	FED. AID PROJECT	

CODE NUMBER	ITEM	UNIT	URBAN	HSIP	HSIP	NHS
			TOTAL QUANTITY	I000-1A 90% FED 10% STATE	Y031-1F 90% FED 7.5% STATE 2.5% COUNTY	I000-1A 80% FED 20% STATE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	108	108		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	357	357		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	171	171		
20200100	EARTH EXCAVATION	CU YD	10,524	10,524		
25000210	SEEDING, CLASS 2A	ACRE	4.1	4.1		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	369	369		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	369	369		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	369	369		
25000750	MOWING	ACRE	4.1	4.1		
25100115	MULCH, METHOD 2	ACRE	2.4	2.4		
25100630	EROSION CONTROL BLANKET	SQ YD	8,210	8,210		
25100900	TURF REINFORCEMENT MAT	SQ YD	147	147		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	2,460	2,460		
28000300	TEMPORARY DITCH CHECKS	EACH	78	78		
28000400	PERIMETER EROSION BARRIER	FOOT	2,200	2,200		
28000500	INLET AND PIPE PROTECTION	EACH	4	4		
28100107	STONE RIPRAP, CLASS A4	SQ YD	99	99		
28200200	FILTER FABRIC	SQ YD	99	99		
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	517	517		
31100935	SUB-BASE GRANULAR MATERIAL, TYPE A 18"	SQ YD	6,556	6,556		
31100965	SUB-BASE GRANULAR MATERIAL, TYPE A 24"	SQ YD	5,201	5,201		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	49	49		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	13.5	12.5		1.0
40600300	AGGREGATE (PRIME COAT)	TON	35.1	32.7		2.4
40600525	LEVELING BINDER (HAND METHOD), N50	TON	3	3		
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	281	281		
40600745	POLYMERIZED LEVELING BINDER (HAND METHOD), N90	TON	6	6		
40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	TON	298	214		84
40600895	CONSTRUCTING TEST STRIP	EACH	1	1		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	555	411		144
40600990	TEMPORARY RAMP	SQ YD	654	632		22
40603080	HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50	TON	185	185		
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90	TON	9,653	9,653		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	296	296		
40603335	HOT-MIX ASPHALT SURFACE COURSF, MIX "D", N50	TON	412	412		
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1,402	1,259		143
44000100	PAVEMENT REMOVAL	SQ YD	580	580		
44004250	PAVED SHOULDER REMOVAL	SQ YD	387	387		
44004300	PAVEMENT BREAKING	SQ YD	1,736	1,736		
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	306	306		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6,186	6,186		
48100100	AGGREGATE SHOULDERS, TYPE A	TON	613	613		

■ 100% STATE

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SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES CONT.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	4
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

CODE NUMBER	ITEM	UNIT	URBAN			
			TOTAL QUANTITY	HSIP 1000-1A 90% FED 10% STATE	HSIP Y031-1F 90% FED 7.5% STATE 2.5% COUNTY	NHS 1000-1A 80% FED 20% STATE
48101200	AGGREGATE SHOULDERS, TYPE B	TON	171	18		153
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	3,524	3,524		
50100300	REMOVAL OF EXISTING STRUCTURE NO. 1	EACH	1	1		
50100400	REMOVAL OF EXISTING STRUCTURE NO. 2	EACH	1	1		
50100500	REMOVAL OF EXISTING STRUCTURE NO. 3	EACH	1	1		
50105200	REMOVE EXISTING CULVERTS	EACH	1	1		
51500100	NAME PLATES	EACH	2	2		
54010602	PRECAST CONCRETE BOX CULVERT 6' X 2'	FOOT	144	144		
54010702	PRECAST CONCRETE BOX CULVERT 7' X 2'	FOOT	180	180		
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	86	86		
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	96	96		
542D5479	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	40	40		
54214299	END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	2	2		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2		
60500040	REMOVING MANHOLES	EACH	1	1		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	308	308		
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	110	110		
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	18	18		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	515	515		
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	350	350		
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	5	5		
61140000	STORM SEWERS (SPECIAL) 8"	FOOT	155	155		
61140100	STORM SEWERS (SPECIAL) 10"	FOOT	50	50		
61140200	STORM SEWERS (SPECIAL) 12"	FOOT	227	227		
63500105	DELINATORS	EACH	6	6		
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	51	51		
66700305	PERMANENT SURVEY MARKER, TYPE II	EACH	2	2		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		
67100100	MOBILIZATION	L SUM	1	1		
70100200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701331	EACH	2	2		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	45	45		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,975	5,646		329
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	21,464	21,464		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	116	116		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	112	112		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	664	627		37
* 72000100	SIGN PANEL - TYPE I	SQ FT	12		12	
* 72000200	SIGN PANEL - TYPE II	SQ FT	18		18	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	312	312		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	21,348	19,156		2,192
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2,215	2,215		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,832	1,832		

(IL 173)

SUMMARY OF QUANTITIES CONT.

CODE NUMBER	ITEM	UNIT	URBAN	HSIP 1000-1A	HSIP Y031-1F	NHS 1000-1A
			TOTAL QUANTITY	90% FED 10% STATE	90% FED 7.5% STATE 2.5% COUNTY	80% FED 20% STATE
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	168	168		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	331	331		
78300100	PAVEMENT MARKING REMOVAL	SQ FT	5,313	5,313		
78300200	RAISED REFLECTIVE PAVMENT MARKER REMOVAL	EACH	11	11		
80501000	SERVICE INSTALLATION (SPECIAL)	EACH	1		1	
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5		5	
81400710	HEAVY-DUTY HANDHOLE PORTLAND CEMENT CONCRETE	EACH	2		2	
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1		1	
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1,966		1,966	
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4		4	
82500605	LIGHTING CONTROLLER PHOTOCELL RELAY	EACH	1		1	
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1,892		1,892	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	2,640		2,640	
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	55		55	
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	4		4	
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	4		4	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3		3	
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	78		78	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8		8	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5		5	
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4		4	
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	12		12	
* B2004814	TREE, MALUS SARGENTII (SARGENT CRABAPPLE) 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPED	EACH	24	24		
X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO.6 1C (GREEN)	FOOT	585		585	
X0324887	CONDUIT INSTALLED, 2 1/2" DIA., NON-METALLIC	FOOT	208		208	
X0324888	CONDUIT INSTALLED, 4" DIA., NON-METALLIC	FOOT	439		439	
X0325165	CORRAGATED STEEL PIPE MULTIPLE END SECTIONS DOUBLE 15"	EACH	1	1		
X0325335	CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC	FOOT	47		47	
X0325519	DRAIN FOR AGGREGATE BASE COURSE	SQ YD	26	26		
X0712400	TEMPORARY PAVEMENT	SQ YD	369	369		
X0919000	TEMPORARY PAVEMENT REMOVAL	SQ YD	369	369		
X7013015	TRAFFIC CONTROL FOR ROAD CLOSURE	L SUM	1	1		
** XX003163	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1		1	
XX003165	VIDEO CAMERA DETECTOR SYSTEM	EACH	1		1	
XX006661	UNINTERRUPTIBLE POWER SUPPLY	EACH	1		1	
Z0005400	BREAKER-RUN CRUSHED STONE	TON	354	354		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
Z0020900	ESTABLISHING AND REFERENCING LAND SECTION MARKERS	EACH	1	1		
Z0023500	FILLING EXISTING CULVERTS	CU YD	5	5		
Z0029001	GRATED CULVERT EXTENSION, NO. 1	EACH	4	4		
Z0029002	GRATED CULVERT EXTENSION, NO. 2	EACH	4	4		
X0325922	CELLULAR MODEM	EACH	1		1	

\* SPECIALTY ITEM  
 \*\*100% HARLEM-ROSCOE FIRE PROTECTION DISTRICT Y031-30

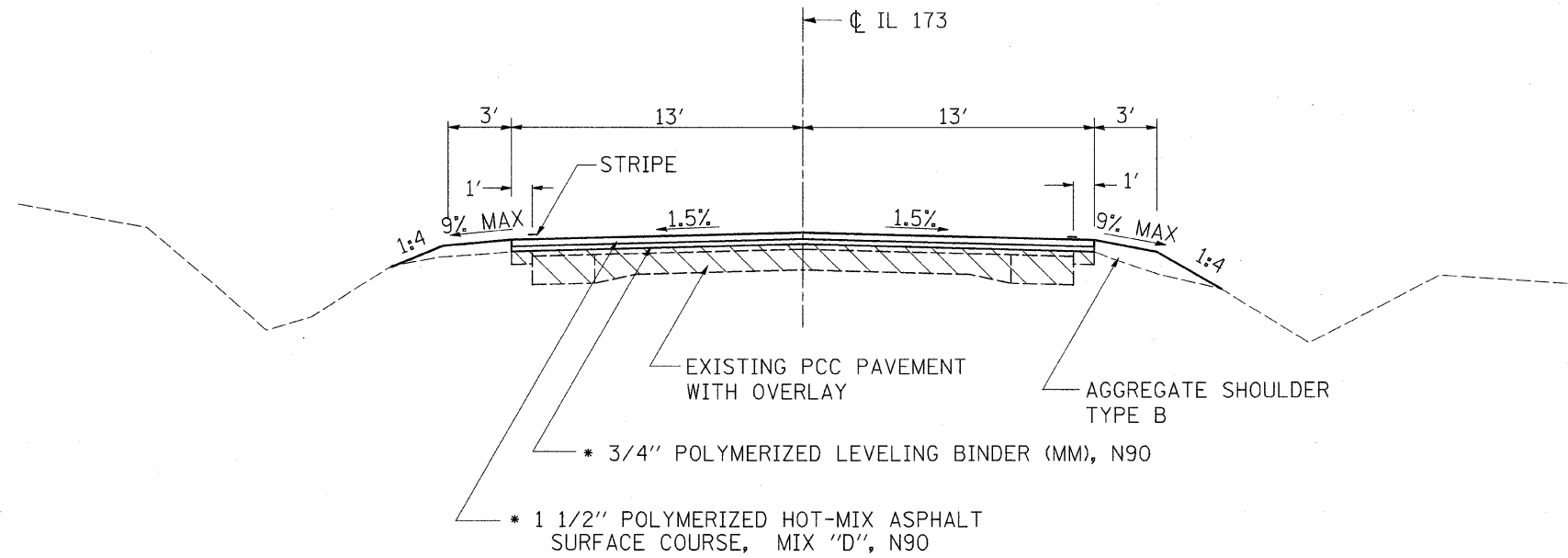
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

(IL 173)

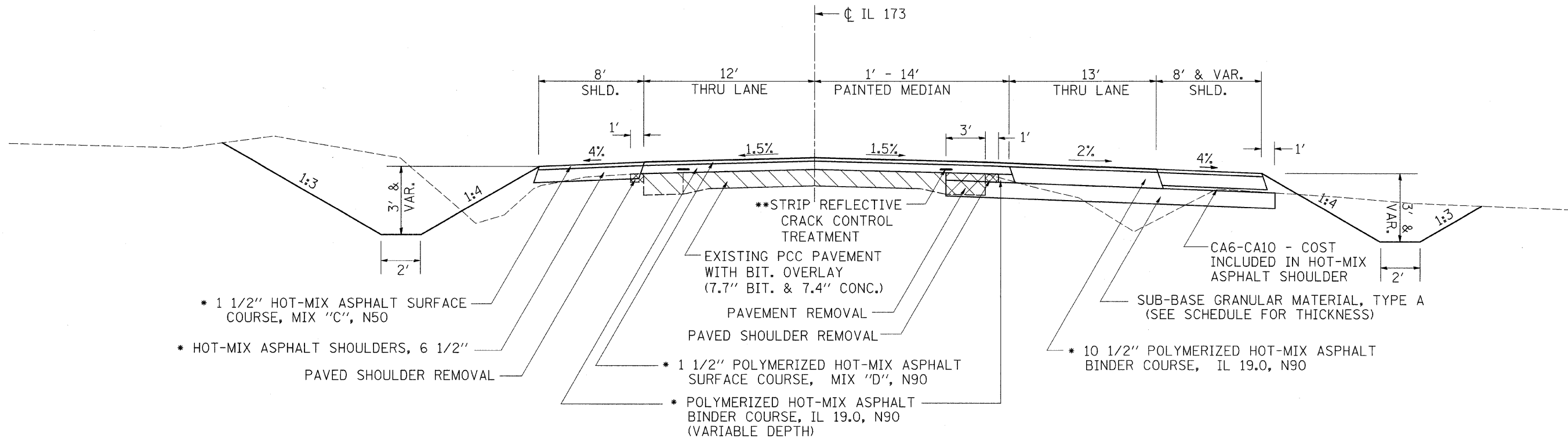
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

# TYPICAL SECTIONS

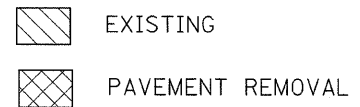
STA 231+14 TO 236+21.62



STA 236+21.62 TO 242+50



- \* 1 1/2" HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
- \* HOT-MIX ASPHALT SHOULDERS, 6 1/2" PAVED SHOULDER REMOVAL
- \*\* STRIP REFLECTIVE CRACK CONTROL TREATMENT
- EXISTING PCC PAVEMENT WITH BIT. OVERLAY (7.7" BIT. & 7.4" CONC.)
- PAVEMENT REMOVAL
- PAVED SHOULDER REMOVAL
- \* 1 1/2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90
- \* POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90 (VARIABLE DEPTH)
- CA6-CA10 - COST INCLUDED IN HOT-MIX ASPHALT SHOULDER
- SUB-BASE GRANULAR MATERIAL, TYPE A (SEE SCHEDULE FOR THICKNESS)
- \* 10 1/2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N90



**NOTES:**

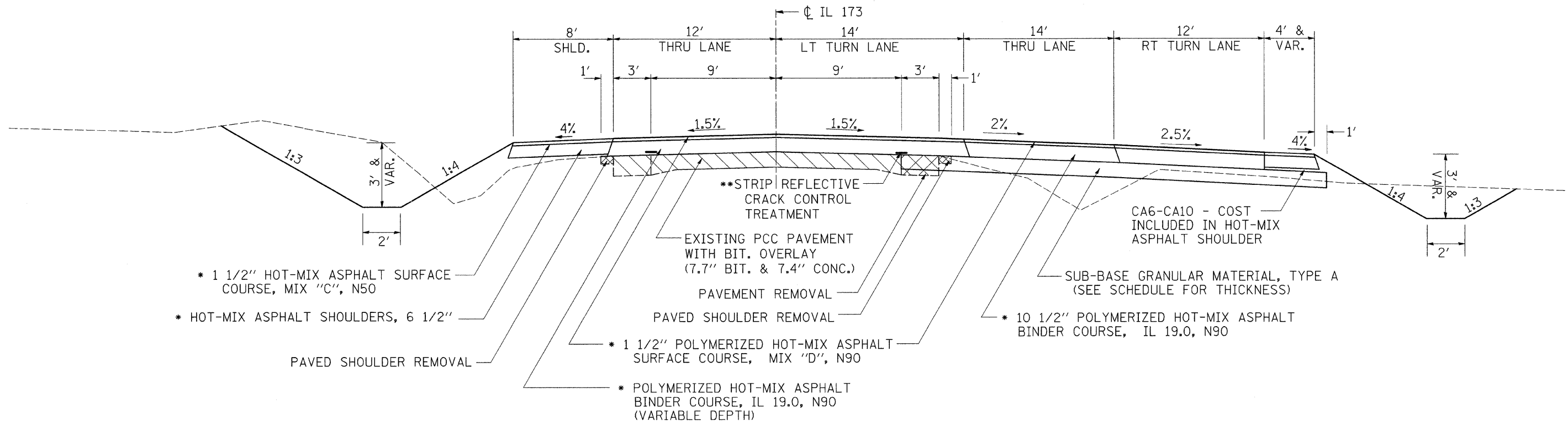
- \* RATE OF APPLICATION = 112 LB/SQ YD/IN (MIX "C" & MIX "D")
- \*\* STRIP REFLECTIVE CRACK CONTROL SHALL BE PLACED ON THE 1st 4" BINDER LIFT

PLOT DATE = Mon Dec 23 11:51:36 2007  
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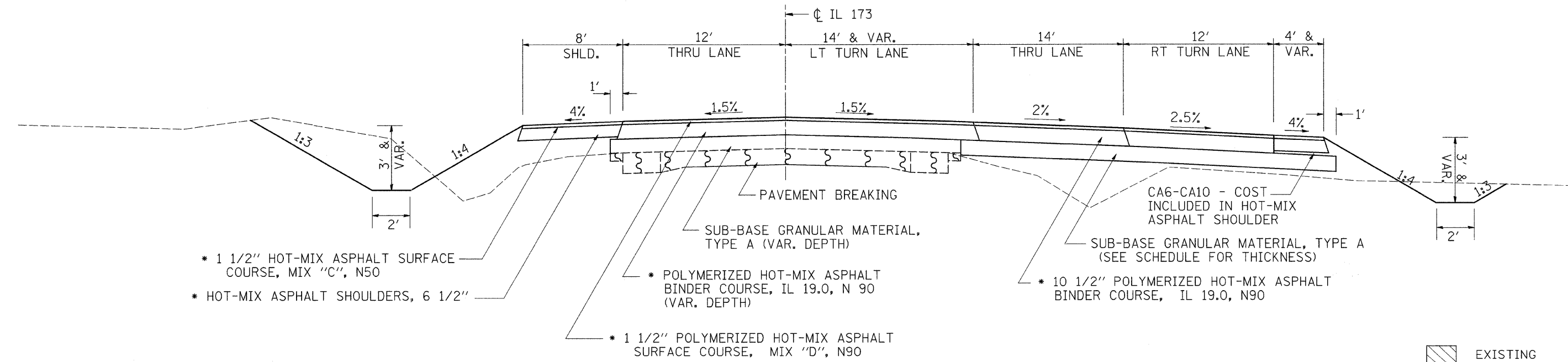
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129 M & TS	WINNEBAGO	110	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		




# TYPICAL SECTIONS

STA 242+50 TO 244+10



STA 244+10 TO 250+11



-  EXISTING
-  PAVEMENT REMOVAL
-  PAVEMENT BREAKING

**NOTES:**

- \* RATE OF APPLICATION = 112 LB/SQ YD/IN (MIX "C" & MIX "D")
- \*\* STRIP REFLECTIVE CRACK CONTROL SHALL BE PLACED ON THE 1st 4" BINDER LIFT

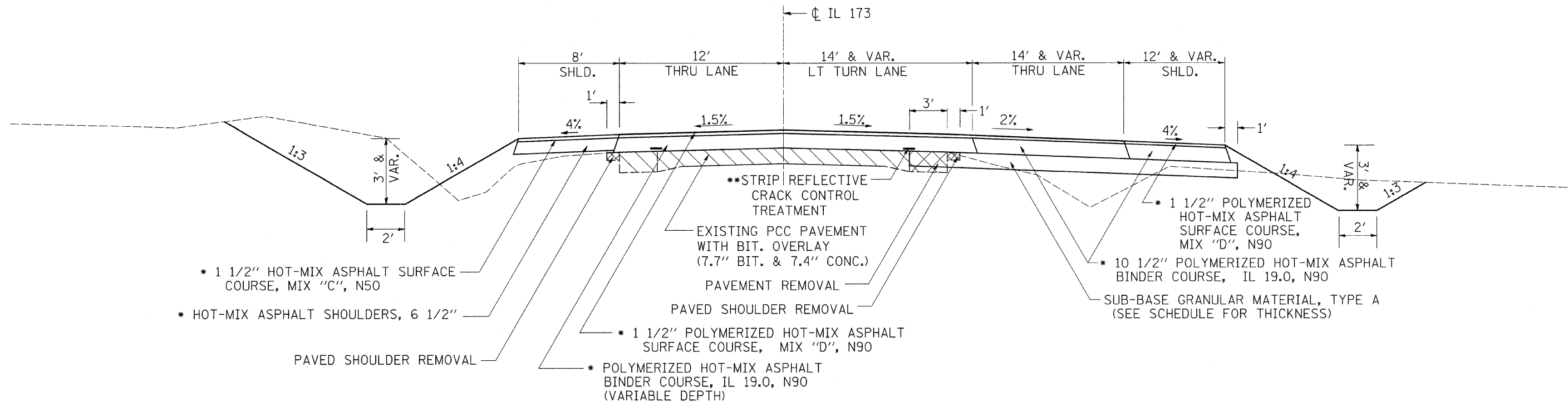
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 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129 M & TS	WINNEBAGO	110	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

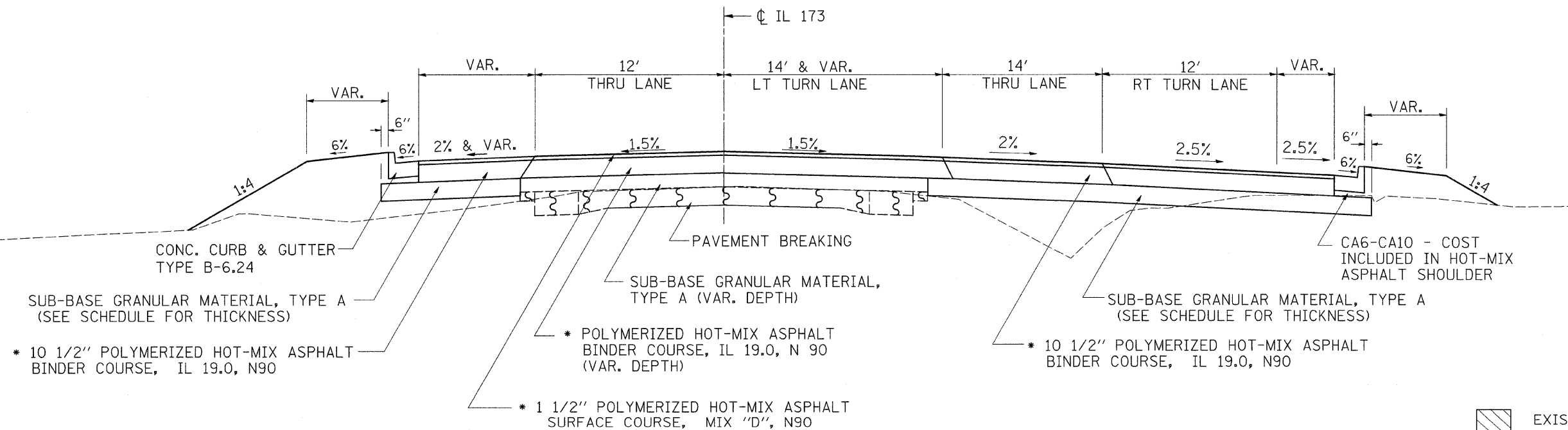
\*(IL 173)

# TYPICAL SECTIONS

STA 250+11 TO 259+62.68



## TYPICALS SHOWN CURB & GUTTER AT NW & SW QUADRANT OF INTERSECTION



**NOTES:**

- \* RATE OF APPLICATION = 112 LB/SQ YD/IN (MIX "C" & MIX "D")
- \*\* STRIP REFLECTIVE CRACK CONTROL SHALL BE PLACED ON THE 1st 4" BINDER LIFT

- EXISTING
- PAVEMENT REMOVAL
- PAVEMENT BREAKING

PLOT DATE = Mon Dec 03 11:31:56 2007  
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 PLOT SCALE = 50.0000 / 1" = 100'-0"  
 REFERENCE = \*REF\*

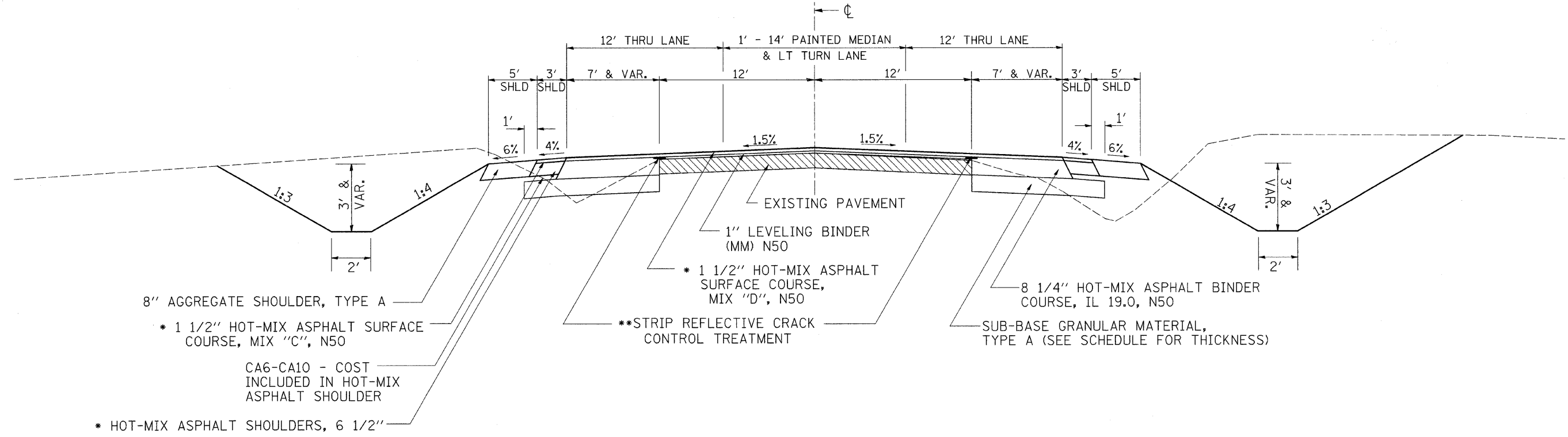


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129 M & TS	WINNEBAGO	110	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

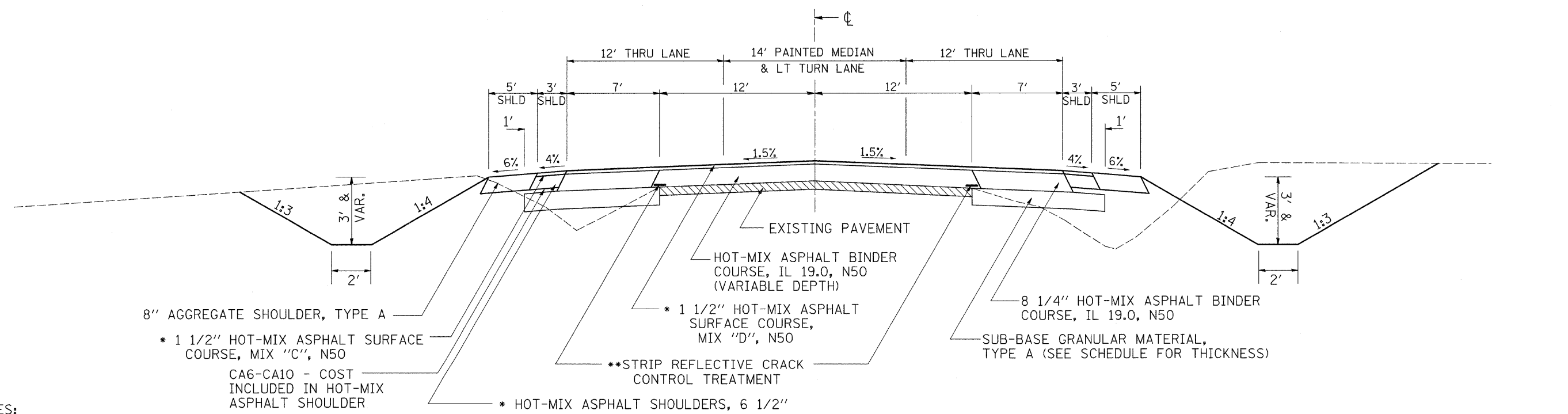
\*(IL 173)

# TYPICAL SECTIONS

**STA 93+49.26 TO 97+60 (ARGYLE ROAD)**  
**STA 102+70 TO 109+03.87 (BELVIDERE ROAD)**



**STA 97+60 TO 98+16.80 (ARGYLE ROAD)**  
**STA 101+63.6 TO 102+70 (BELVIDERE ROAD)**



**NOTES:**

- \* RATE OF APPLICATION = 112 LB/SQ YD/IN (MIX "C" & MIX "D")
- \*\* STRIP REFLECTIVE CRACK CONTROL SHALL BE PLACED ON THE 1st 4" BINDER LIFT



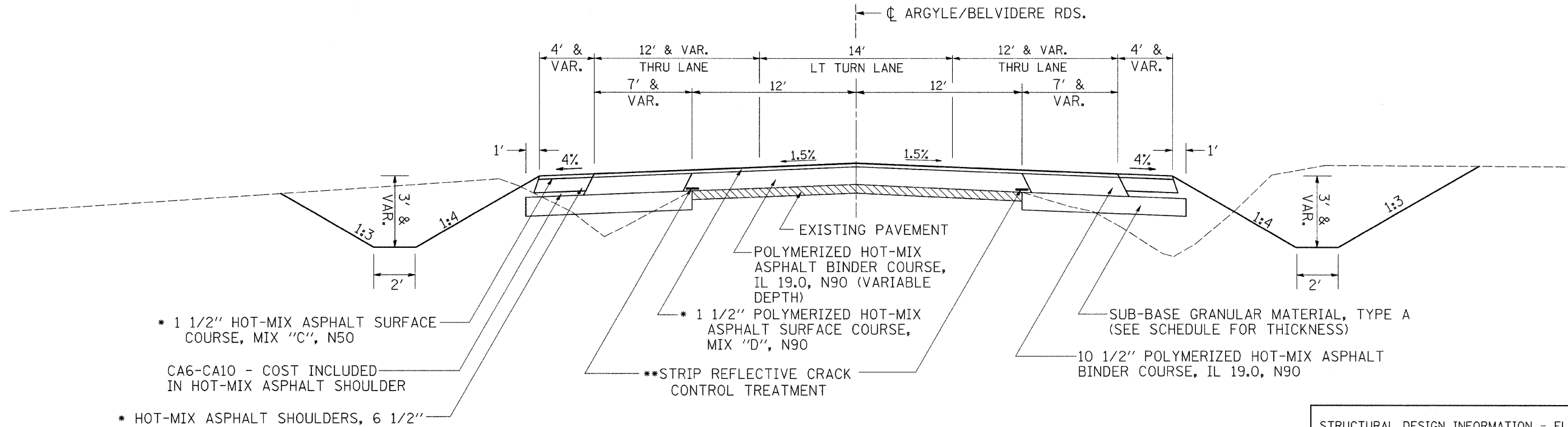
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# TYPICAL SECTIONS

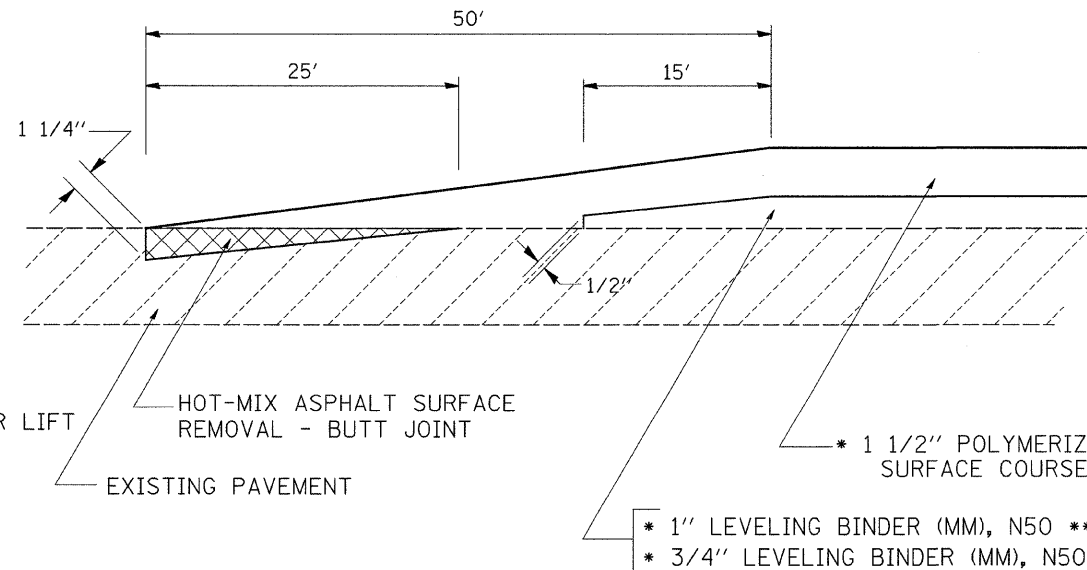
CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129 M & TS	WINNEBAGO	110	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

\*(IL 173)

## STA 98+16.8 TO 99+71.3 (ARGYLE ROAD) STA 100+14.0 TO 101+63.6 (BELVIDERE ROAD)



## TYPICAL TAPER BUTT JOINT STA 259+62.68 TO 260+12.68 (IL 173) STA 230+64 TO 231+14 (IL 173) STA 92+99.26 TO 93+49.26 (ARGYLE ROAD) STA 109+03.87 TO 109+53.87 (BELVIDERE ROAD)



### STRUCTURAL DESIGN INFORMATION - FLEXIBLE PAVEMENT

IL 173, RAMPS, I-90 AUXILIARY LANES  
 STRUCTURAL DESIGN TRAFFIC: YEAR: 2018  
 IL 173: PV = 10100 SU = 505 MU = 305  
 PERCENT OF STRUCTURAL TRAFFIC IN DESIGN LANE:  
 P = 50% S = 50% M = 50%  
 TRAFFIC FACTOR:  
 ACTUAL TF = 1.76 MINIMUM TF = 3.81  
 AC TYPE = 20 AC MIXTURE TEMP. = 76.3 F  
 AC MIXTURE MODULUS = 642.5 KSI DESIGN STRAIN = 69 MICRO  
 AC GRADE: BINDER = SBSPG70-22 SURFACE = SBSPG70-22  
 FLEXIBLE PAVEMENT THICKNESS = 12"  
 SURFACE = 1.5" BINDER = 10 1/2"  
 SUB GRADE SUPPORT RATING : POOR

### NOTES:

- \* RATE OF APPLICATION = 112 LB/SQ YD/IN (MIX "C" & MIX "D")
- \*\* STRIP REFLECTIVE CRACK CONTROL SHALL BE PLACED ON THE 1st 4" BINDER LIFT
- \*\*\* ARGYLE RD. BELVIDERE RD. IL 173 (STA 259+62.68 - 260+12.68)
- \*\*\*\* IL 173 (STA 230+64 - 231+14)

- EXISTING
- PAVEMENT REMOVAL
- PAVEMENT BREAKING

PLOT DATE = Mon Dec 03 11:31:36 2007  
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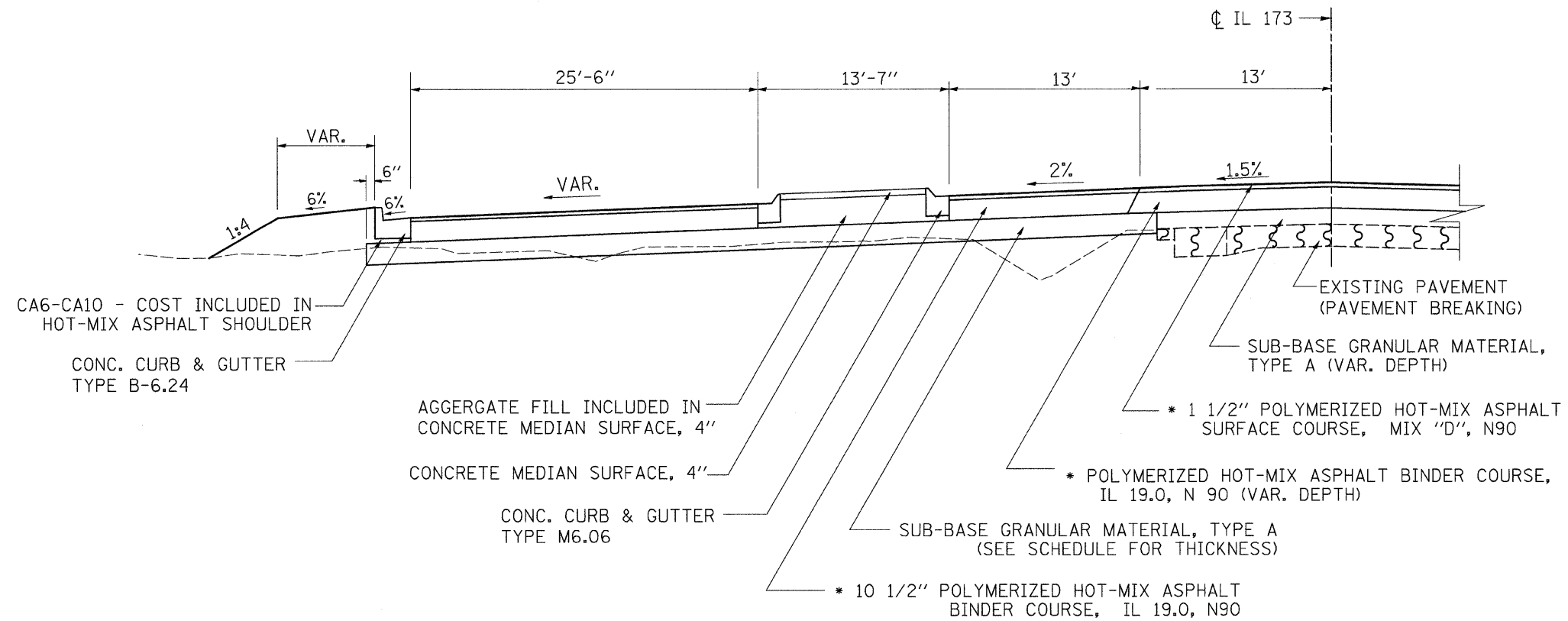
# TYPICAL SECTIONS

CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129 M & TS	WINNEBAGO	110	11
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		

•(IL 173)

## DETAIL OF ISLAND

STA 247+80



NOTES:

\* RATE OF APPLICATION = 112 LB/SQ YD/IN (MIX "C" & MIX "D")



PLOT DATE = Mon, Dec 03 11:36:16 2007  
 FILE NAME = c:\p\projects\2007\173\173.dwg  
 PLOT SCALE = 1/8" = 1'-0"  
 REFERENCE = NONE



# GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 303 (IL 173)	129M&TS	Winnebago	110	13
FED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64D51				

See cross sections for special ditches and backslopes.

The removal of Bituminous Surfacing not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. This work shall be included in the contract unit price per Cubic Yard for EARTH EXCAVATION.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved or other unit price item of the work for which it is required.

The subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 300 mm (12") depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 300 mm (12") are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.03 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any. Any additional undercutting required after this evaluation shall be paid for as EARTH EXCAVATION.

Except for the top 75 mm (3"), all aggregate bases and subbases 300 mm (12") in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 300 mm (12"), the bases or subbases shall be constructed of topsize 150 mm (6") breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 50 mm (2") size sieve, except for the top 75 mm (3"). The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 75 mm (3") shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 75 mm (3") layer may be added after the subbase or base course is placed on the grade.

The new number for this structure will be 101-1317 at Station 244+47.5.

The new number for this structure will be 101-1316 at Station 104+93.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s): Main Line	Surface	Binder	Level Binder	Shld. Top	Shld. Bottom
PG:	SBS PG 70-22	SBS PG 70-22	SBS PG 70-22	PG 58-22	PG 58-22
Design Air Voids	4.0 @ N90	4.0 @ N90	4.0 @ N90	3.0 @ N50	2.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 19.0	IL 9.5	IL 9.5 or 12.5	IL 19.0 (BAM)
Friction Aggregate	D	N/A	N/A	C	N/A
20 Year ESAL	1.8	--	--	--	--
Mixture Unit Weight	112 lb/SY/IN				

Mixture Uses(s): Sideroads	Surface	Level Binder
PG:	PG 64-22	PG 64-22
Design Air Voids	4.0 @ N50	4.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5
Friction Aggregate	D	N/A
20 Year ESAL	0.10	
Mixture Unit Weight	112 lbs/SY/IN	

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

To help avoid excess drop offs at the edge of pavement, the existing aggregate wedge or shoulder is to be pulled up and rolled to match the edge of pavement before placing any bituminous material. All costs associated with pulling up the shoulders shall be considered included in the contract unit price per TON for HOT-MIX ASPHALT SURFACE COURSE of the type specified.

On full depth pavement, shoulder widths of 1.8 m (6 ft.) or less may be placed, at the Contractor's option, simultaneously with the adjacent traffic lane for both the binder and surface courses, provided the cross slope of both the pavement and shoulder can be satisfactorily obtained. The shoulder will be paid for at the contract unit price per Square Meter (Square Yard) for HOT-MIX ASPHALT SHOULDERS of the thickness specified on the plans.

A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

Precast grated inlet specials may be substituted in lieu of cast-in-place units with floors upon receipt of manufacturer's shop drawings which have been approved by the Department. The Contractor shall be responsible for verifying necessary dimensions on the existing drainage structure required for the attachment. No additional cost for this substitution shall be allowed.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

Noses of curbed corner islands noted as 1 & 2 on Highway Standard 606301 shall be ramped unless the curb function is for the protection of pedestrians, signals, light standards or sign truss supports.

The layout of temporary and final pavement marking lines shall be included in the contract unit price per Lump Sum for CONSTRUCTION LAYOUT.

Program #5  
(Arch. Size)  
Enlarge  
20X  
Enlarge 1/7%

# GENERAL NOTES

ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 303 (IL 173)	129M&TS	Winnebago	110	14
PED ROAD DIST. NO.	ILLINOIS	PROJECT		
Contract #64D51				

Use M-15.15 (M-6.06) or M-10.15 (M-4.06) curb and gutter on all sides of Islands when island is offset shoulder width, but offset should not be greater than 2.4 m (8 feet) edge to face.

Use M-10 (M-4) curb on islands when located adjacent to high-speed traffic (80 km/h [50 mph] or greater), except use M-15 (M-6) on islands where traffic signals supports, sign truss supports, or any other post with a foundation generally larger than a standard highway sign is proposed. A stop sign is a standard highway sign.

Rural minimum island area = 9.3 m<sup>2</sup> (100 feet<sup>2</sup>).

Urban island area = usually 7.0 m<sup>2</sup> (75 feet<sup>2</sup>) but not less than 4.7 m<sup>2</sup> (50 feet<sup>2</sup>).  
(Island area includes the concrete median surface and the curb.)

The island at Argyle Road on this project is a small island as shown on the Detail of Island sheet in the plans.

Where field tile is encountered, storm sewer or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 150 mm (6") for Pipe Drains and 200 mm (8") for Storm Sewer, but the size must be at least 50 mm (2") larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way to connect the tile and storm sewer.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted.

Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 2 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on Highway Standard 667101.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The Engineer shall submit this information to the Survey Crew.

Right-of-way markers will be erected with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 300 mm (12 inches) inside the new right-of-way line.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Commonwealth Edison Co.  
NICOR Gas Co.

Verizon  
Mediacom

Mr. Edward Rice  
North Park Public Water Dist.  
1350 Turret Drive  
Machesney Park, IL 61115  
Ph. 815/633-5461

The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Letting Date + 135 days.

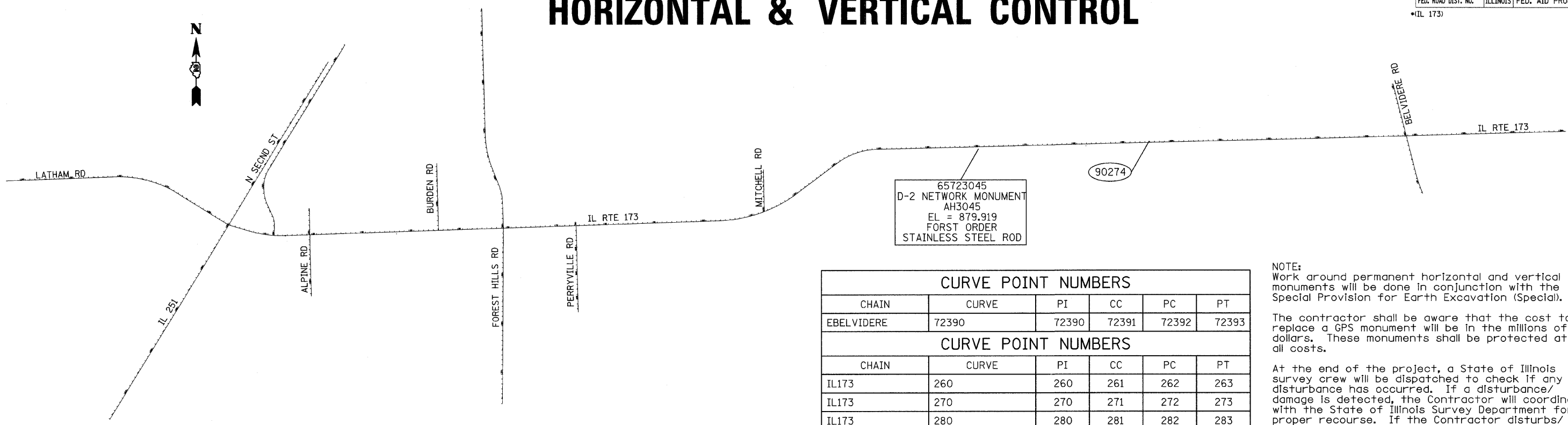
CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

It is anticipated that approximately 3 or more existing field tile ends need to be plugged. Plugging shall consist of sealing the ends of the field tiles with Class SI Concrete or brick and mortar in a matter satisfactory to the Engineer. This work shall not be paid for separately, but shall be included in the various items in the contract for STORM SEWERS (SPECIAL).

The contractor shall salvage the flashing beacons that are removed at the intersection of IL 173 and Belvidere Road and deliver the beacons to the maintenance yard located on West 4<sup>th</sup> Street in Dixon.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# HORIZONTAL & VERTICAL CONTROL



65723045  
D-2 NETWORK MONUMENT  
AH3045  
EL = 879.919  
FORST ORDER  
STAINLESS STEEL ROD

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
EBELVIDERE	72390	72390	72391	72392	72393
CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
IL173	260	260	261	262	263
IL173	270	270	271	272	273
IL173	280	280	281	282	283
IL173	350	350	351	352	353

NOTE:  
Work around permanent horizontal and vertical monuments will be done in conjunction with the Special Provision for Earth Excavation (Special).

The contractor shall be aware that the cost to replace a GPS monument will be in the millions of dollars. These monuments shall be protected at all costs.

At the end of the project, a State of Illinois survey crew will be dispatched to check if any disturbance has occurred. If a disturbance/damage is detected, the Contractor will coordinate with the State of Illinois Survey Department for proper recourse. If the Contractor disturbs/damages a GPS monument, the Contractor shall be required to replace the monument at his/her expense.

Chain IL173 contains:  
1250 CUR 260 CUR 270 CUR 280 1043 CUR 350 1060

Beginning chain IL173 description

Point 1250 N 2,077,979.2446 E 2,602,322.3661 Sta 2+67.7000

Course from 1250 to PC 260 106° 27' 42.4748" Dist 451.2729'

Curve Data

**Curve 260**  
P.I. Station 10+91.2740 N 2,077,745.8635 E 2,603,112.1809  
Delta = 18° 24' 34.9257" (LT)  
Degree = 2° 29' 38.0916"  
Tangent = 372.3011'  
Length = 738.1850'  
Radius = 2,297.4237'  
External = 29.9705'  
Long Chord = 735.0137'  
Mid. Ord. = 29.5846'  
P.C. Station 7+18.9729 N 2,077,851.3647 E 2,602,755.1409  
P.T. Station 14+57.1580 N 2,077,758.5183 E 2,603,484.2668  
C.C. N 2,080,054.6145 E 2,603,406.1756

Course from PT 260 to PC 270 88° 03' 07.5491" Dist 8,914.3593'

Curve Data

**Curve 270**  
P.I. Station 112+77.6265 N 2,078,092.3237 E 2,613,299.0605  
Delta = 34° 56' 56.5504" (LT)  
Degree = 1° 59' 26.2683"  
Tangent = 906.1092'  
Length = 1,755.6774'  
Radius = 2,878.2736'  
External = 139.2573'  
Long Chord = 1,728.5855'  
Mid. Ord. = 132.8307'  
P.C. Station 103+71.5173 N 2,078,061.5243 E 2,612,393.4750  
P.T. Station 121+27.1947 N 2,078,636.3313 E 2,614,023.6911  
C.C. N 2,080,938.1346 E 2,612,295.6402

Course from PT 270 to PC 280 53° 06' 10.9987" Dist 984.6784'

Curve Data

**Curve 280**  
P.I. Station 135+72.6268 N 2,079,504.1363 E 2,615,179.6273  
Delta = 35° 32' 38.4282" (RT)  
Degree = 3° 59' 08.9285"  
Tangent = 460.7538'  
Length = 891.7630'  
Radius = 1,437.4927'  
External = 72.0368'  
Long Chord = 877.5319'  
Mid. Ord. = 68.5991'  
P.C. Station 131+11.8730 N 2,079,227.5101 E 2,614,811.1549  
P.T. Station 140+03.6360 N 2,079,515.0152 E 2,615,640.2526  
C.C. N 2,078,077.9232 E 2,615,674.1933

Course from PT 280 to 1043 88° 38' 49.4269" Dist 7,167.3471'

Point 1043 N 2,079,684.2435 E 2,622,805.6016 Sta 211+70.9831

Course from 1043 to PC 350 88° 38' 49.4269" Dist 1,220.7365'

Curve Data

**Curve 350**  
P.I. Station 230+42.7654 N 2,079,728.4382 E 2,624,676.8622  
Delta = 0° 20' 14.8741" (LT)  
Degree = 0° 01' 33.3020"  
Tangent = 651.0458'  
Length = 1,302.0879'  
Radius = 221,072.2180'  
External = 0.9586'  
Long Chord = 1,302.0860'  
Mid. Ord. = 0.9586'  
P.C. Station 223+91.7196 N 2,079,713.0663 E 2,624,025.9978  
P.T. Station 236+93.8075 N 2,079,747.6432 E 2,625,327.6247  
C.C. N 2,300,723.6541 E 2,618,806.2593

Course from PT 350 to 1060 88° 18' 34.5528" Dist 4,483.0011'

Point 1060 N 2,079,879.8864 E 2,629,808.6748 Sta 281+76.8086

Ending chain IL173 description

Chain EBELVIDERE contains:  
70040 CUR 72390 72380 70041

Beginning chain EBELVIDERE description

Point 70040 N 2,078,605.1951 E 2,626,836.2881 Sta 87+74.9308

Course from 70040 to PC 72390 337° 12' 23.4544" Dist 7,8626'

Curve Data

**Curve 72390**  
P.I. Station 90+05.9370 N 2,078,818.1614 E 2,626,746.7938  
Delta = 8° 30' 28.0589" (RT)  
Degree = 1° 54' 35.4935"  
Tangent = 223.1437'  
Length = 445.4671'  
Radius = 3,000.0000'  
External = 8.2874'  
Long Chord = 445.0579'  
Mid. Ord. = 8.2646'  
P.C. Station 87+82.7934 N 2,078,612.4437 E 2,626,833.2420  
P.T. Station 92+28.2604 N 2,079,034.4049 E 2,626,691.7315  
C.C. N 2,079,774.6759 E 2,629,598.9637

Course from PT 72390 to 72380 345° 42' 51.5132" Dist 771.7396'

Point 72380 N 2,079,782.2803 E 2,626,501.2994 Sta 100+00.0000

Course from 72380 to 70041 345° 42' 51.5132" Dist 1,111.4545'

Point 70041 N 2,080,859.3657 E 2,626,227.0402 Sta 111+11.4545

Ending chain EBELVIDERE description

PLOT DATE = Mon Dec 03 10:46:43 2007  
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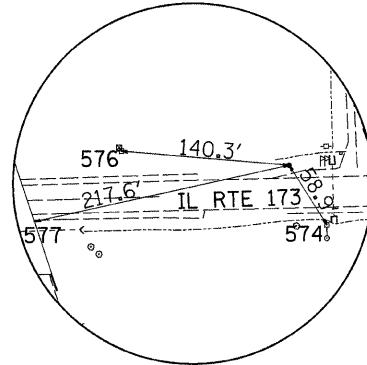


# HORIZONTAL & VERTICAL CONTROL

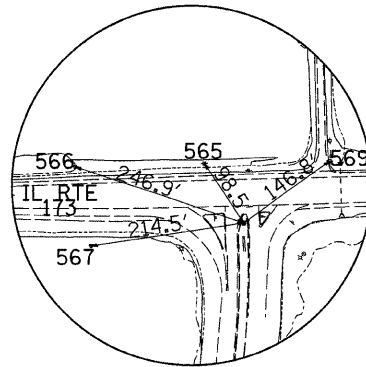
CONTRACT NO. 64051  
 F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.  
 •303 129M&TS WINNEBAGO 110 17  
 STA. TO STA.  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 •(IL 173)

## HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
90274	2079670.3060	2621222.6490	898.9320	11173	195+88.1427	23.4415' LT	GPS CONTROL POINT, PIN
AH3045	2079518.1920	2617717.4890	879.8160	11173	160+80.3683	45.8697' RT	GPS CONTROL POINT, D2-NETWORK MONUMENT



HORIZONTAL CONTROL POINT No. 90274



HORIZONTAL CONTROL POINT No. AH3045

## REFERENCE TIES

POINT	CHAIN	STATION	OFFSET	DESCRIPTION
565	11173	160+27.6638	37.9120' LT	POWER POLE, SHINER
566	11173	158+48.1349	37.6238' LT	POWER POLE, SHINER
567	11173	158+67.7178	72.5173' RT	18" TREE EVERGREEN, SHINER
569	11173	162+01.7953	36.6403' LT	POWER POLE, SHINER
574	11173	196+18.3465	27.1528' RT	POWER POLE, SHINER
576	11173	194+48.6009	38.2704' LT	POWER POLE, SHINER
577	11173	193+74.6078	18.4204' RT	PIER, CHISELED SQUARE

## BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
480	2074124.2550	2599863.7110	721.7580	EBELVIDERE	110+89.9470	27210.0419' LT	CHISELED SQUARE, DROP INLET
90216	2073871.3580	2600587.5250	734.6680	EBELVIDERE	106+66.2641	26571.0142' LT	PHOTO CONTROL H.& V., PK NAIL

## BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
404	2077760.4040	2602969.5170	731.9950	11173	9+46.9498	37.9719' RT	HEADWALL, CHISELED SQUARE
406	2077792.3160	2605768.6860	751.1480	11173	37+41.4059	43.8710' RT	R.O.W MARKER, TOP
407	2077917.1220	2609580.3690	773.1660	11173	75+55.1286	48.6992' RT	CHISELED SQUARE, HEADWALL
410	2077838.4770	2607875.0760	757.9480	11173	58+48.1478	69.3345' RT	TRAFFIC SIGNAL CONTROLLER, CHISELED SQUARE
414	2079390.0460	2615196.7330	841.4940	11173	135+35.9098	41.1996' RT	R.O.W MARKER, TOP
416	2079576.9480	2619927.2010	898.7080	11173	182+90.8516	39.3036' RT	R.O.W MARKER, TOP
417	2079639.5560	2622601.5170	929.1610	11173	209+65.9002	39.8564' RT	R.O.W MARKER, TOP
446	2078359.4540	2613440.2380	815.7640	11173	114+76.0456	56.9799' LT	MISC. CONCRETE SLAB, CHISELED SQUARE
456	2079634.7150	2619073.8600	889.4770	11173	174+39.1124	38.5955' LT	RAILROAD SPIKE, POWER POLE
473	2077811.4430	2607057.7610	754.3390	11173	50+30.3861	68.5718' RT	CHISELED SQUARE, POLE FOUNDATION
474	2079623.4140	2621010.1620	899.3610	11173	193+74.6078	18.4204' RT	PIER, CHISELED SQUARE
482	2078529.6490	2602847.3130	738.4590	11173	6+15.1574	676.6000' LT	R.O.W MARKER, TOP
483	2080998.1730	2604356.8800	753.9640	11173	24+39.3853	3208.1218' LT	POWER POLE, RAILROAD SPIKE
90217	2075461.4560	2601651.5640	741.7200	11173	3+37.8757	2604.6709' RT	PHOTO CONTROL H.& V., PIN
90220	2077047.8470	2602695.9280	739.2970	11173	8+46.1314	792.0912' RT	PHOTO CONTROL H.& V., PIN
90225	2078477.6000	2602715.5870	733.3150	11173	5+03.5804	589.3566' LT	PHOTO CONTROL H.& V., PIN
90227	2078456.0060	2603361.2940	735.8430	11173	13+14.5675	698.1853' LT	PHOTO CONTROL H.& V., PIN
90228	2081560.6390	2603785.7310	750.5030	11173	18+87.6850	3789.6766' LT	PHOTO CONTROL H.& V., PIN
90229	2077005.3530	2603950.2620	736.0110	11173	18+97.2832	768.5697' RT	PHOTO CONTROL H.& V., PIN
90230	2078517.8930	2603990.1280	733.9920	11173	19+88.5386	741.7412' LT	PHOTO CONTROL H.& V., PIN
90231	2079752.5650	2604281.3300	741.2190	11173	23+21.5397	1965.8016' LT	PHOTO CONTROL H.& V., PIN
90235	2077161.9560	2607919.4920	760.5690	11173	58+69.5426	746.9743' RT	PHOTO CONTROL H.& V., PIN
90236	2078526.2240	2607896.5550	759.4010	11173	58+92.9914	617.2850' LT	PHOTO CONTROL H.& V., PIN
90237	2077301.2530	2609465.5760	786.4780	11173	74+19.4680	660.3104' RT	PHOTO CONTROL H.& V., PIN
90243	2078022.3300	2611836.6890	803.2070	11173	98+13.7208	20.2461' RT	GPS CONTROL POINT, PIN
90246	2078302.6180	2613360.2100	816.1370	11173	113+78.6085	35.8702' LT	GPS CONTROL POINT, PIN
90247	2078754.2460	2613295.1980	825.1630	11173	115+09.1215	476.5064' LT	PHOTO CONTROL H.& V., PIN
90248	2080102.1770	2613301.4000	849.2770	11173	124+29.6273	1605.9087' LT	PHOTO CONTROL H.& V., PIN
90258	2078932.9620	2621229.3570	912.9010	11173	195+77.4394	713.8553' RT	PHOTO CONTROL H.& V., PIN
90259	2080320.3900	2621273.4970	889.7340	11173	196+54.3256	672.1437' LT	PHOTO CONTROL H.& V., PIN
90273	2077888.8510	2606466.4640	750.1020	11173	44+42.0620	28.8902' LT	GPS CONTROL POINT, PIN
90274	2079670.3060	2621222.6490	898.9320	11173	195+88.1427	23.4415' LT	GPS CONTROL POINT, PIN
90282	2078859.2030	2602863.5950	735.8090	11173	5+37.3843	997.2592' LT	PHOTO CONTROL H.& V., PIN
90283	2081193.6120	2604295.3870	750.5530	11173	23+84.5709	3405.5381' LT	PHOTO CONTROL H.& V., PIN
92414	2079466.3690	2615211.6620	836.8390	11173	135+75.3303	25.9679' LT	GPS CONTROL POINT, PIN
AH3045	2079518.1920	2617717.4890	879.8160	11173	160+80.3683	45.8697' RT	GPS CONTROL POINT, D2-NETWORK MONUMENT
AH3046	2079554.6260	2615768.6170	843.8600	11173	141+32.8998	36.5690' LT	GPS CONTROL POINT, D2-NETWORK MONUMENT

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 PLOT DATE = Mon Dec 03 10:46:43 2007  
 OPERATOR = polzimej  
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ILLINOIS DEPARTMENT OF TRANSPORTATION

**HORIZONTAL & VERTICAL CONTROL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

# SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION
IL 173	
7	Sta 237+16 40' LT
14	Sta 248+11 101' RT
ARGYLE ROAD	
7	Sta 93+49 26' RT
6	Sta 94+05 26' RT
10	Sta 94+10 27' RT
BELVIDERE ROAD	
8	Sta 101+15 40' LT
8	Sta 101+97 37' LT
6	Sta 102+03 36' LT
8	Sta 102+48 55' RT
11	Sta 107+76 39' LT
6	Sta 107+76 35' LT
6	Sta 107+76 38' LT
11	Sta 107+86 40' LT
108	TOTAL

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION
IL 173	
27	Sta 239+97 27' LT
38	Sta 253+11 28' RT
38	Sta 254+62 35' RT
48	Sta 254+68 32' LT
36	Sta 256+33 31' LT
40	Sta 258+74 35' RT
BELVIDERE ROAD	
48	Sta 101+79 43' LT
18	Sta 102+58 61' RT
22	Sta 102+58 62' RT
24	Sta 102+78 39' LT
18	Sta 104+95 40' LT
357	TOTAL

20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

CU YD	LOCATION
IL 173	
85.9	Sta 244+47.5
ARGYLE ROAD	
21.8	Sta 99+00
BELVIDERE ROAD	
62.7	Sta 104+93
170.4	TOTAL

25000210 SEEDING, CLASS 2A

ACRE	LOCATION
IL 173	
1.1	Sta 230+50 - 260+13 LT
1.5	Sta 230+50 - 260+13 RT
ARGYLE ROAD	
0.4	Sta 93+00 - 100+00 LT
0.4	Sta 93+00 - 100+00 RT
BELVIDERE ROAD	
0.3	Sta 100+00 - 109+54 LT
0.4	Sta 100+00 - 109+54 RT
4.1	TOTAL

25000400 NITROGEN FERTILIZER NUTRIENT

POUND	LOCATION	90 LBS/ACRE
IL 173		
99	Sta 230+50 - 260+13	LT
135	Sta 230+50 - 260+13	RT
ARGYLE ROAD		
36	Sta 93+00 - 100+00	LT
36	Sta 93+00 - 100+00	RT
BELVIDERE ROAD		
27	Sta 100+00 - 109+54	LT
36	Sta 100+00 - 109+54	RT
369	TOTAL	

25000500 PHOSPHORUS FERTILIZER NUTRIENT

POUND	LOCATION	90 LBS/ACRE
IL 173		
99	Sta 230+50 - 260+13	LT
135	Sta 230+50 - 260+13	RT
ARGYLE ROAD		
36	Sta 93+00 - 100+00	LT
36	Sta 93+00 - 100+00	RT
BELVIDERE ROAD		
27	Sta 100+00 - 109+54	LT
36	Sta 100+00 - 109+54	RT
369	TOTAL	

25000600 POTASSIUM FERTILIZER NUTRIENT

POUND	LOCATION	90 LBS/ACRE
IL 173		
99	Sta 230+50 - 260+13	LT
135	Sta 230+50 - 260+13	RT
ARGYLE ROAD		
36	Sta 93+00 - 100+00	LT
36	Sta 93+00 - 100+00	RT
BELVIDERE ROAD		
27	Sta 100+00 - 109+54	LT
36	Sta 100+00 - 109+54	RT
369	TOTAL	

25000750 MOWING

ACRE	LOCATION
IL 173	
1.1	Sta 230+50 - 260+13 LT
1.5	Sta 230+50 - 260+13 RT
ARGYLE ROAD	
0.4	Sta 93+00 - 100+00 LT
0.4	Sta 93+00 - 100+00 RT
BELVIDERE ROAD	
0.3	Sta 100+00 - 109+54 LT
0.4	Sta 100+00 - 109+54 RT
4.1	TOTAL

25100115 MULCH, METHOD 2

ACRE	LOCATION	(Areas subtracted out for Erosion Blanket)
IL 173		
0.6	Sta 230+50 - 260+13	LT
0.9	Sta 230+50 - 260+13	RT
ARGYLE ROAD		
0.3	Sta 93+00 - 100+00	LT
0.3	Sta 93+00 - 100+00	RT
BELVIDERE ROAD		
0.1	Sta 100+00 - 109+54	LT
0.2	Sta 100+00 - 109+54	RT
2.4	TOTAL	

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION	Width = 8'
IL 173		
2,635	Sta 230+50 - 260+13	LT
2,635	Sta 230+50 - 260+13	RT
ARGYLE ROAD		
622	Sta 93+00 - 100+00	LT
622	Sta 93+00 - 100+00	RT
BELVIDERE ROAD		
848	Sta 100+00 - 109+54	LT
848	Sta 100+00 - 109+54	RT
8,210	TOTAL	

25100900 TURF REINFORCEMENT MAT

SQ YD	LOCATION
ARGYLE ROAD	
67	Sta 98+75 - 99+00 LT
80	Sta 98+75 - 99+00 RT
147	TOTAL

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION	6 APPLICATIONS X 100 LBS / ACRE
IL 173		
660	Sta 230+50 - 260+13	LT
900	Sta 230+50 - 260+13	RT
ARGYLE ROAD		
240	Sta 93+00 - 100+00	LT
240	Sta 93+00 - 100+00	RT
BELVIDERE ROAD		
180	Sta 100+00 - 109+54	LT
240	Sta 100+00 - 109+54	RT
2,460	TOTAL	

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

28000300 TEMPORARY DITCH CHECKS

EACH	LOCATION			
	IL 173			
1	Sta 236+50	LT		
1	Sta 237+00	LT		
1	Sta 237+50	LT		
1	Sta 238+00	LT		
1	Sta 238+50	LT		
1	Sta 241+50	LT		
1	Sta 243+00	LT		
1	Sta 244+50	LT		
1	Sta 249+50	LT		
1	Sta 250+50	LT		
1	Sta 251+50	LT		
1	Sta 252+50	LT		
1	Sta 253+35	LT		
1	Sta 254+20	LT		
1	Sta 255+05	LT		
1	Sta 255+90	LT		
1	Sta 256+75	LT		
1	Sta 236+50	RT		
1	Sta 237+00	RT		
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1	Sta 238+00	RT		
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1	Sta 239+00	RT		
1	Sta 239+70	RT		
1	Sta 240+40	RT		
1	Sta 241+10	RT		
1	Sta 242+50	RT		
1	Sta 244+00	RT		
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1	Sta 252+00	RT		
1	Sta 252+85	RT		
1	Sta 253+70	RT		
1	Sta 254+55	RT		
1	Sta 255+40	RT		
1	Sta 256+25	RT		
1	Sta 257+10	RT		
1	Sta 257+95	RT		
1	Sta 258+80	RT		
1	Sta 259+65	RT		
	ARGYLE ROAD			
2	Sta 93+50	LT & RT		
2	Sta 94+00	LT & RT		
2	Sta 94+50	LT & RT		
2	Sta 95+00	LT & RT		
2	Sta 95+50	LT & RT		
2	Sta 96+00	LT & RT		
2	Sta 96+50	LT & RT		
2	Sta 97+00	LT & RT		
2	Sta 97+50	LT & RT		
2	Sta 98+00	LT & RT		
2	Sta 98+50	LT & RT		
2	Sta 99+00	LT & RT		

TEMPORARY DITCH CHECKS CONT.

BELVIDERE ROAD					
1	Sta	100+50	RT		
1	Sta	101+75	RT		
1	Sta	103+00	RT		
1	Sta	105+50	RT		
1	Sta	107+50	RT		
1	Sta	109+50	RT		
1	Sta	107+00	LT		
1	Sta	109+50	LT		
78	TOTAL				

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION				
	IL 173				
250	Sta 239+00	-	241+50	LT	
300	Sta 244+50	-	247+50	LT	
300	Sta 257+00	-	260+00	LT	
	BELVIDERE ROAD				
600	Sta 101+00	-	107+00	LT	
350	Sta 103+00	-	106+50	RT	
400	As Needed & Directed by the Resident for Stock Pile				
2,200	TOTAL				

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION				
	IL 173				
1	Sta 244+47.5	65' RT			
	ARGYLE ROAD				
1	Sta 99+00	49' RT			
	BELVIDERE ROAD				
1	Sta 102+30	40' RT			
1	Sta 104+93	45' RT			
4	TOTAL				

28100107 STONE RIPRAP, CLASS A4

SQ YD	LOCATION				
44.0	IL 173	Sta 244+47.5	LT	(18' x 22')	
14.2	ARGYLE ROAD	Sta 99+00	LT	(8' x 16')	
40.0	BELVIDERE ROAD	Sta 104+93	LT	(18' x 20')	
98.2	TOTAL				

28200200 FILTER FABRIC

SQ YD	LOCATION				
44.0	IL 173	Sta 244+47.5	LT	(18' x 22')	
14.2	ARGYLE ROAD	Sta 99+00	LT	(16' x 8')	
40.0	BELVIDERE ROAD	Sta 104+93	LT	(18' x 20')	
98.2	TOTAL				

31100100 SUB-BASE GRANULAR MATERIAL, TYPE A

TON	LOCATION				
28.7	IL 173	Sta 244+10	-	244+50	Variable Depth Over Pavt Breaking Area
224.7	Sta 244+50	-	247+41	Variable Depth Over Pavt Breaking Area	
263.4	Sta 247+41	-	250+11	Variable Depth Over Pavt Breaking Area	
516.8	TOTAL				

31100935 SUB-BASE GRANULAR MATERIAL, TYPE A 18"

SQ YD	LOCATION				
566.7	IL 173	Sta 236+22	-	239+50	RT
1,104.9	Sta 244+50	-	247+41	RT	
2,061.9	Sta 250+11	-	256+50	RT	
	BELVIDERE ROAD				
1,205.8	Sta 100+14	-	101+64	LT & RT	
258.9	Sta 101+64	-	102+70	LT & RT	
788.5	Sta 102+70	-	105+92	LT & RT	
569.0	Sta 105+92	-	109+04	LT & RT	
6,555.7	TOTAL				

31100965 SUB-BASE GRANULAR MATERIAL, TYPE A 24"

SQ YD	LOCATION				
	IL 173				
496.3	Sta 239+50	-	241+50	RT	
348.4	Sta 241+50	-	242+50	RT	
645.2	Sta 242+50	-	244+10	RT	
144.1	Sta 244+10	-	244+50	RT	
916.5	Sta 256+50	-	259+63	RT	
73.4	Sta 259+63	-	260+13	RT	
	ARGYLE ROAD				
618.4	Sta 93+49	-	96+79	LT & RT	
212.8	Sta 96+79	-	97+60	LT & RT	
144.1	Sta 97+60	-	98+17	LT & RT	
1,601.5	Sta 98+17	-	99+71	LT & RT	
5,200.7	TOTAL				

35101400 AGGREGATE BASE COURSE, TYPE B

TON	LOCATION				
49.1	BELVIDERE ROAD	Sta 102+57.85	FE - RT	(Depth = 8")	
49.1	TOTAL				

40600525 LEVELING BINDER (HAND METHOD), N50

TON	LOCATION				
3	ARGYLE ROAD - BELVIDERE ROAD				
3	As Needed & Directed by the Resident				
3	TOTAL				

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	20
STA.			TO STA.	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

40600745 POLYMERIZED LEVELING BINDER (HAND METHOD), N90

TON	LOCATION
	IL 173
6	As Needed & Directed by the Resident
6	TOTAL

44004250 PAVED SHOULDER REMOVAL

SQ YD	LOCATION
	IL 173
175.1	Sta 236+22 - 244+10 (1' Shoulder Widening LT & RT)
211.6	Sta 250+11 - 259+63 (1' Shoulder Widening LT & RT)
386.7	TOTAL

48100100 AGGREGATE SHOULDERS, TYPE A

TON	LOCATION
	ARGYLE ROAD
7.6	Sta 93+49 - 93+99 LT (3' Wide by 8" deep)
7.6	Sta 93+49 - 93+99 RT (3' Wide by 8" deep)
105.8	Sta 93+99 - 98+17 LT (5' Wide by 8" deep)
119.2	Sta 93+99 - 98+70 RT (5' Wide by 8" deep)
	BELVIDERE ROAD
183.2	Sta 101+30 - 108+54 LT (5' Wide by 8" deep)
174.6	Sta 101+64 - 108+54 RT (5' Wide by 8" deep)
7.6	Sta 108+54 - 109+04 LT (3' Wide by 8" deep)
7.6	Sta 108+54 - 109+04 RT (3' Wide by 8" deep)
613.2	TOTAL

40600895 CONSTRUCTING TEST STRIP

EACH	LOCATION
	IL 173
1	As Directed by the Resident
1	TOTAL

44004300 PAVEMENT BREAKING

SQ YD	LOCATION
	IL 173
1,736.2	Sta 244+10 - 250+11
1,736.2	TOTAL

48101200 AGGREGATE SHOULDERS, TYPE B

TON	LOCATION
	IL 173
152.6	Sta 230+74 - 236+22 LT & RT (See Typical)
3.8	Sta 259+63 - 260+13 LT & RT (3' Aggregate Wedge)
	ARGYLE ROAD
4.3	Sta 92+99 - 93+49 LT & RT (3' Aggregate Wedge)
	BELVIDERE ROAD
4.7	Sta 109+04 - 109+54 LT & RT (3' Aggregate Wedge)
5.2	Sta 109+04 - 109+54 LT & RT (3' Aggregate Wedge)
152.6	SUB-TOTAL
170.6	TOTAL

40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

SQ YD	LOCATION
	IL 173
144.4	Sta 230+74 - 231+24
144.4	Sta 259+63 - 260+13
	ARGYLE ROAD
132.4	Sta 92+99 - 93+49
	BELVIDERE ROAD
133.9	Sta 109+04 - 109+54
144.4	SUB-TOTAL
555.1	TOTAL

44201759 CLASS D PATCHES, TYPE IV, 9 INCH

SQ YD	LOCATION
	ARGYLE ROAD
138.9	Sta 98+88 - 99+38 (50' x 25')
	BELVIDERE ROAD
166.7	Sta 104+74 - 105+34 (60' x 25')
305.6	TOTAL

40600990 TEMPORARY RAMP

SQ YD	LOCATION
	IL 173
21.7	Sta 230+74 (26' X 7.5)
21.7	Sta 259+63 (26' X 7.5)
93.5	Sta 242+50 (24' X 35')
200.0	Sta 254+50 (24' X 75') Stage 3 - Temporary Taper 1" - 10'
275.0	As Needed & Directed by the Resident (For Staging) Stage 3 - Temporary Taper 1" - 10'
	ARGYLE ROAD
20.8	Sta 92+99 (25' X 7.5)
	BELVIDERE ROAD
20.8	Sta 109+54 (25' X 7.5)
21.7	SUB-TOTAL
653.5	TOTAL

44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT

FOOT	LOCATION
	IL 173
628	Sta 236+22 - 242+50 9' LT
628	Sta 236+22 - 242+50 9' RT
115	Sta 242+50 - 243+65 9' LT
115	Sta 242+50 - 243+65 9' RT
838	Sta 251+25 - 259+63 9' LT
838	Sta 251+25 - 259+63 9' RT
	ARGYLE ROAD
411	Sta 93+49 - 97+60 12' LT
411	Sta 93+49 - 97+60 12' RT
57	Sta 97+60 - 98+17 12' LT
57	Sta 97+60 - 98+17 12' RT
154	Sta 98+17 - 99+71 12' LT
154	Sta 98+17 - 99+71 12' RT
	BELVIDERE ROAD
150	Sta 100+14 - 101+64 12' LT
150	Sta 100+14 - 101+64 12' RT
106	Sta 101+64 - 102+70 12' LT
106	Sta 101+64 - 102+70 12' RT
634	Sta 102+70 - 109+04 12' LT
634	Sta 102+70 - 109+04 12' RT
6,186	TOTAL

50100300 REMOVAL OF EXISTING STRUCTURE NO. 1

EACH	LOCATION
	IL 173
1	Sta 244+87 (4' X 1.5' RC CULVERT)
1	TOTAL

50100400 REMOVAL OF EXISTING STRUCTURE NO. 2

EACH	LOCATION
	ARGYLE ROAD
1	Sta 99+26 (1.5' X 2' RC CULVERT)
1	TOTAL

50100500 REMOVAL OF EXISTING STRUCTURE NO. 3

EACH	LOCATION
	BELVIDERE ROAD
1	Sta 104+93 (3' X 2' RC CULVERT)
1	TOTAL

44000100 PAVEMENT REMOVAL

SQ YD	LOCATION
	IL 173
262.7	Sta 236+22 - 244+10 (3' Widening on RT)
317.3	Sta 250+11 - 259+63 (3' Widening on RT)
580.0	TOTAL

PLOT DATE = Mon Dec 03 14:17:37 2007  
 FILE NAME = c:\p\projects\207\107\107\107.dgn  
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 REFERENCE = SHEET#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&T5	WINNEBAGO	110	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID	PROJECT
*(IL 173)				

50105200 REMOVE EXISTING CULVERTS

EACH	LOCATION
1	IL 173 Sta 238+ 39 FE - LT
1	TOTAL

51500100 NAME PLATES

EACH	LOCATION
1	IL 173 Sta 244+ 47.5 BELVIDERE ROAD
1	Sta 104+ 93
2	TOTAL

54010602 PRECAST CONCRETE BOX CULVERT 6' X 2'

FOOT	LOCATION
144	BELVIDERE ROAD Sta 104+ 93 (2 CELL @ 72')
144	TOTAL

54010702 PRECAST CONCRETE BOX CULVERT 7' X 2'

FOOT	LOCATION
180	IL 173 Sta 244+ 47.5 (2 CELL @ 90')
180	TOTAL

542A1069 PIPE CULVERTS, CLASS A, TYPE 2 24"

FOOT	LOCATION
86	ARGYLE ROAD Sta 99+ 00
86	TOTAL

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"

FOOT	LOCATION
96	IL 173 Sta 244+ 87 RT (Stage 2 - 2 Pipe at 48')
96	TOTAL

542D5479 PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 24"

FOOT	LOCATION
40	BELVIDERE ROAD Sta 102+ 57.85 FE - RT
40	TOTAL

54214299 END SECTIONS, EQUIVALENT ROUND-SIZE 24"

EACH	LOCATION
2	BELVIDERE ROAD Sta 102+ 57.85 FE - RT
2	TOTAL

54213669 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"

EACH	LOCATION
2	ARGYLE ROAD Sta 99+ 00 LT & RT
2	TOTAL

60500040 REMOVING MANHOLES

EACH	LOCATION
1	IL 173 Sta 244+ 22 RT
1	TOTAL

60605000 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

FOOT	LOCATION
168.7	IL 173 Sta 246+ 54 - 247+ 87 LT
139.3	Sta 247+ 35 - 248+ 39 RT
308.0	TOTAL

60608600 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06

FOOT	LOCATION
18.7	IL 173 Sta 99+ 39 - 99+ 53 RT - Island
91.1	Sta 101+ 33 - 101+ 61 LT - Island
109.8	TOTAL

60610400 COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24

FOOT	LOCATION
17.6	ARGYLE ROAD Sta 99+ 53 RT - Island
17.6	TOTAL

60618300 CONCRETE MEDIAN SURFACE, 4 INCH

SQ FT	LOCATION
66.0	ARGYLE ROAD Sta 99+ 39 - 99+ 53 RT - Island
449.3	BELVIDERE ROAD Sta 101+ 33 - 101+ 61 LT - Island
515.3	TOTAL

61100500 EXPLORATION TRENCH 52" DEPTH

FOOT	LOCATION
200	IL 173 As Needed & Directed by the Resident ARGYLE ROAD
50	As Needed & Directed by the Resident BELVIDERE ROAD
100	As Needed & Directed by the Resident
350	TOTAL

61133100 FIELD TILE JUNCTION VAULTS, 2' DIA.

EACH	LOCATION
2	IL 173 See Field Tile Drainage Detail ARGYLE ROAD
1	As Needed & Directed by the Resident BELVIDERE ROAD
2	See Field Tile Drainage Detail
5	TOTAL

61140000 STORM SEWERS, SPECIAL 8"

FOOT	LOCATION
25	ARGYLE ROAD As Needed & Directed by the Resident BELVIDERE ROAD
130	See Field Tile Drainage Detail
155	TOTAL

61140100 STORM SEWERS, SPECIAL 10"

FOOT	LOCATION
25	IL 173 As Needed & Directed by the Resident BELVIDERE ROAD
25	As Needed & Directed by the Resident
50	TOTAL

61140200 STORM SEWERS, SPECIAL 12"

FOOT	LOCATION
227	IL 173 See Field Tile Drainage Detail
227	TOTAL

63500105 DELINATORS

EACH	LOCATION
1	IL 173 Sta 244+ 35 RT
1	Sta 244+ 57 LT
2	ARGYLE ROAD Sta 99+ 00 LT & RT
2	BELVIDERE ROAD Sta 104+ 93 LT & RT
6	TOTAL

PLOT DATE = Mon Dec 03 11:17:37 2007  
 FILE NAME = c:\projects\2007\78748\78748.dgn  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

66600105 FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

EACH	LOCATION
	IL 173
1	Sta 223+25 76.28' RT
1	Sta 225+00 75' RT
1	Sta 228+00 80' RT
1	Sta 230+00 80' RT
1	Sta 234+00 80' RT
1	Sta 236+10.05 76.50' RT
1	Sta 237+00 75' LT
1	Sta 237+00 75' RT
1	Sta 238+00 100' LT
1	Sta 239+00 85' RT
1	Sta 241+00 95' LT
1	Sta 243+00 85' RT
1	Sta 244+00 105' RT
1	Sta 244+25 100' LT
1	Sta 244+50 110' LT
1	Sta 245+25 110' LT
1	Sta 245+50 100' LT
1	Sta 247+00 100' LT
1	Sta 247+00 105' RT
1	Sta 247+65.18 137.67' LT
1	Sta 248+15.39 132.88' RT
1	Sta 248+48.14 156.20' LT
1	Sta 249+18.44 135.49' RT
1	Sta 249+50 95' LT
1	Sta 250+00 90' RT
1	Sta 252+00 95' LT
1	Sta 253+00 85' LT
1	Sta 254+00 90' RT
1	Sta 255+00 95' RT
1	Sta 256+00 85' LT
1	Sta 257+00 90' RT
1	Sta 259+00 60' LT
1	Sta 259+00 70' RT
1	Sta 260+00 40' LT
1	Sta 260+00 40' RT
	ARGYLE ROAD
1	Sta 93+00 33' LT
1	Sta 93+50 50' LT
1	Sta 93+50 40' RT
1	Sta 94+00 50' RT
	BELVIDERE ROAD
1	Sta 103+00 45' RT
1	Sta 103+75 50' RT
1	Sta 104+00 40' LT
1	Sta 104+75 55' LT
1	Sta 105+00 95' LT
1	Sta 105+35 95' LT
1	Sta 105+50 55' LT
1	Sta 106+00 45' LT
1	Sta 107+50 50' RT
1	Sta 108+00 45' LT
1	Sta 108+00 45' RT
1	Sta 109+00 40' LT
51	TOTAL

66700305 PERMANENT SURVEY MARKER, TYPE II

EACH	LOCATION
	IL 173
2	As Needed & Directed by the Resident
2	TOTAL

70300100 SHORT-TERM PAVEMENT MARKING

FOOT	FOOT	LOCATION	(3 Applications - Stage 4, Binder, & Surface)
80% FED / 20% STATE	90% FED / 10% STATE	IL 173	
329		Sta 230+74 - 236+22	Double Yellow - Centerline @ 2 Stripes
	42	Sta 236+22 - 236+91	Double Yellow - Centerline @ 2 Stripes
	1,302	Sta 236+91 - 247+76	Double Yellow - Median @ 4 Stripes
	1,204	Sta 249+48 - 259+51	Double Yellow - Median @ 4 Stripes
	38	Sta 259+51 - 260+13	Double Yellow - Centerline @ 2 Stripes
	186	Sta 244+76 - 247+86	Double White - LT Turn Lane @ 2 Stripes
	182	Sta 244+76 - 247+78	Double White - RT Turn Lane @ 2 Stripes
	167	Sta 248+89 - 251+66	Double White - LT Turn Lane @ 2 Stripes
	124	Sta 236+22 - 246+50	White - Diagonal Shoulder Stripe LT
	76	Sta 236+22 - 242+50	White - Diagonal Shoulder Stripe RT
	131	Sta 249+28 - 260+13	White - Diagonal Shoulder Stripe LT
	121	Sta 250+11 - 260+13	White - Diagonal Shoulder Stripe RT
		ARGYLE ROAD	
	160	Sta 96+78 - 99+44	Double White - LT Turn Lane @ 2 Stripes
	48	Sta 92+99 - 93+78	Double Yellow - Centerline @ 2 Stripes
	666	Sta 93+78 - 99+33	Double Yellow - Median @ 4 Stripes
		BELVIDERE ROAD	
	165	Sta 100+52 - 103+27	Double White - LT Turn Lane @ 2 Stripes
	996	Sta 100+62 - 108+92	Double Yellow - Median @ 4 Stripes
	38	Sta 108+92 - 109+54	Double Yellow - Centerline @ 2 Stripes
329	5,646	SUB-TOTAL	
	5,975	TOTAL	

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"

FOOT	LOCATION
	IL 173
765	Sta 249+11 - 251+41
690	Sta 245+55 - 247+75
2,341	Sta 236+22 - 259+63
1,058	Sta 236+22 - 246+80
1,049	Sta 249+14 - 259+63
2,298	Sta 236+22 - 247+71
1,644	Sta 251+41 - 259+63
1,678	Sta 237+17 - 245+56
2,166	Sta 249+00 - 259+83
2,337	Sta 236+72 - 260+09
1,062	Sta 236+72 - 247+34
952	Sta 250+11 - 259+63
	ARGYLE ROAD
743	Sta 97+37 - 99+32
874	Sta 93+00 - 97+37
711	Sta 93+00 - 99+69
749	Sta 93+00 - 99+22
	BELVIDERE ROAD
171	Sta 100+47 - 100+93
176	Sta 100+02 - 101+50
21,464	TOTAL

70300260 TEMPORARY PAVEMENT MARKING - LINE 12"

FOOT	LOCATION
	IL 173
31	Sta 249+11 - 251+41
33	Sta 245+55 - 247+75
	ARGYLE ROAD
52	Sta 97+37 - 99+32
116	TOTAL

PLOT DATE = Mon Dec 03 11:17:37 2007  
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 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	23

70300280 TEMPORARY PAVEMENT MARKING - LINE 24"

FOOT	LOCATION		
	IL 173		
11	Sta 247+69	White - Stage 2 - Stop Bar	
11	Sta 249+13	White - Stage 2 - Stop Bar	
20	Sta 247+73	White - Stage 3 - Stop Bar	
11	Sta 249+00	White - Stage 3 - Stop Bar	
	ARGYLE ROAD		
42	Sta 99+28	White - Stage 3 - Stop Bar	
	BELVIDERE ROAD		
17	Sta 100+69	White - Stage 2 - Stop Bar	
112	TOTAL		

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS CONT.

FOOT	LOCATION		
	ARGYLE ROAD		
15.6	Sta 97+00	White - LT Turn Arrow	
15.6	Sta 97+73	White - LT Turn Arrow	
15.6	Sta 98+48	White - LT Turn Arrow	
15.6	Sta 99+23	White - LT Turn Arrow	
	BELVIDERE ROAD		
15.6	Sta 100+82	White - LT Turn Arrow	
15.6	Sta 101+57	White - LT Turn Arrow	
15.6	Sta 102+32	White - LT Turn Arrow	
15.6	Sta 103+07	White - LT Turn Arrow	
312.0	TOTAL		

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

\*(GL 173)

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

80% FED / 20% STATE	90% FED / 10% STATE	LOCATION	(Stage 4 & Surface Removal Only)
36.6		IL 173	
		Sta 230+74 - 236+22	Double Yellow - Centerline @ 2 Stripes
	4.7	Sta 236+22 - 236+91	Double Yellow - Centerline @ 2 Stripes
	144.7	Sta 236+91 - 247+76	Double Yellow - Median @ 4 Stripes
	133.8	Sta 249+48 - 259+51	Double Yellow - Median @ 4 Stripes
	4.2	Sta 259+51 - 260+13	Double Yellow - Centerline @ 2 Stripes
	20.7	Sta 244+76 - 247+86	Double White - LT Turn Lane @ 2 Stripes
	20.2	Sta 244+76 - 247+78	Double White - RT Turn Lane @ 2 Stripes
	18.6	Sta 248+89 - 251+66	Double White - LT Turn Lane @ 2 Stripes
	13.8	Sta 236+22 - 246+50	White - Diagonal Shoulder Stripe LT
	8.4	Sta 236+22 - 242+50	White - Diagonal Shoulder Stripe RT
	14.6	Sta 249+28 - 260+13	White - Diagonal Shoulder Stripe LT
	13.3	Sta 250+11 - 260+13	White - Diagonal Shoulder Stripe RT
		ARGYLE ROAD	
	17.8	Sta 96+78 - 99+44	Double White - LT Turn Lane @ 2 Stripes
	5.3	Sta 92+99 - 93+78	Double Yellow - Centerline @ 2 Stripes
	74.0	Sta 93+78 - 99+33	Double Yellow - Median @ 4 Stripes
		BELVIDERE ROAD	
	18.3	Sta 100+52 - 103+27	Double White - LT Turn Lane @ 2 Stripes
	110.7	Sta 100+62 - 108+92	Double Yellow - Median @ 4 Stripes
	4.2	Sta 108+92 - 109+54	Double Yellow - Centerline @ 2 Stripes
36.6	627.3	SUB-TOTAL	
	663.9	TOTAL	

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

80% FED / 20% STATE	90% FED / 10% STATE	LOCATION	
		IL 173	
548		Sta 230+74 - 236+22	White - RT EOP
	629	Sta 236+22 - 242+51	White - RT EOP
548		Sta 230+74 - 236+22	White - LT EOP
	984	Sta 236+22 - 246+06	White - LT EOP
	380	Sta 244+76 - 248+56	White - RT EOP
	189	Sta 247+41 - 248+56	White - Shoulder Median RT
	107	Sta 249+10 - 250+11	White - Shoulder Median RT
	1,065	Sta 249+48 - 260+13	White - LT EOP
	1,002	Sta 250+11 - 260+13	White - RT EOP
1096		Sta 230+74 - 236+22	Yellow - Double Yellow No Pass
	138	Sta 236+22 - 236+91	Yellow - Double Yellow No Pass
	3,495	Sta 236+91 - 247+76	Yellow - Painted Median
	3,404	Sta 249+02 - 259+51	Yellow - Painted Median
	124	Sta 259+51 - 260+13	Yellow - Double Yellow No Pass
		ARGYLE ROAD	
	158	Sta 92+99 - 93+78	Yellow - Double Yellow No Pass
	1,585	Sta 93+78 - 99+33	Yellow - Painted Median
	518	Sta 92+99 - 98+17	White - LT EOP
	635	Sta 92+99 - 99+26	White - RT EOP
		BELVIDERE ROAD	
	824	Sta 101+30 - 109+54	White - LT EOP
	975	Sta 100+14 - 109+54	White - RT EOP
	248	Sta 100+64 - 101+30	White - Shoulder Median LT
	2,572	Sta 100+62 - 108+92	Yellow - Painted Median
	124	Sta 100+92 - 109+54	Yellow - Double Yellow No Pass
2192	19,156	SUB-TOTAL	
	21,348	TOTAL	

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

FOOT	LOCATION		
	IL 173		
15.6	Sta 244+96	White - LT Turn Arrow	
15.6	Sta 244+96	White - RT Turn Arrow	
15.6	Sta 245+83	White - LT Turn Arrow	
15.6	Sta 245+83	White - RT Turn Arrow	
15.6	Sta 246+68	White - LT Turn Arrow	
15.6	Sta 246+68	White - RT Turn Arrow	
15.6	Sta 247+55	White - LT Turn Arrow	
15.6	Sta 247+55	White - RT Turn Arrow	
15.6	Sta 249+22	White - LT Turn Arrow	
15.6	Sta 249+96	White - LT Turn Arrow	
15.6	Sta 250+72	White - LT Turn Arrow	
15.6	Sta 251+46	White - LT Turn Arrow	

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

FOOT	LOCATION		
	IL 173		
226	Sta 242+51 - 244+76	White - Shoulder Median RT	
310	Sta 244+76 - 247+86	White - LT Turn Lane	
302	Sta 244+76 - 247+78	White - RT Turn Lane	
114	Sta 247+78 - 248+14	White - Painted Island	
277	Sta 248+89 - 251+66	White - LT Turn Lane	
	ARGYLE ROAD		
46	Sta 95+44 - 96+78	White - Dash LT Turn Lane (23 X 2')	
265	Sta 96+78 - 99+44	White - LT Turn Lane	
180	Sta 99+20 - 99+65	White - Painted Island	
	BELVIDERE ROAD		
220	Sta 100+21 - 100+77	White - Painted Island	
275	Sta 100+52 - 103+27	White - LT Turn Lane	
2,215	TOTAL		

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

FOOT	LOCATION			
	IL 173			
224	Sta 236+91 - 244+76	Yellow - Painted Median		
98	Sta 242+51 - 244+76	White - Shoulder Median RT		
186	Sta 246+47 - 248+56	White - Shoulder Median RT		
134	Sta 247+78 - 248+14	White - Painted Island		
63	Sta 249+10 - 250+11	White - Shoulder Median RT		
236	Sta 251+66 - 259+51	Yellow - Painted Median		
221	Sta 250+11 - 260+13	White - Shoulder Diagonals RT		
	ARGYLE ROAD			
57	Sta 93+78 - 96+78	Yellow - Painted Median		
168	Sta 99+20 - 99+65	White - Painted Island		
	BELVIDERE ROAD			
101	Sta 100+64 - 101+30	White - Shoulder Median LT		
174	Sta 100+21 - 100+77	White - Painted Island		
170	Sta 103+27 - 108+92	Yellow - Painted Median		
1,832	TOTAL			

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

FOOT	LOCATION			
	IL 173			
11.3	Sta 247+75	White - Stop Bar		
14.0	Sta 247+85	White - Stop Bar		
18.0	Sta 247+89 - 247+98	White - Stop Bar		
15.5	Sta 248+89	White - Stop Bar		
15.6	Sta 248+89 - 248+98	White - Stop Bar		
11.3	Sta 249+03	White - Stop Bar		
	ARGYLE ROAD			
18.0	Sta 99+20 - 99+35	White - Stop Bar		
11.3	Sta 99+33	White - Stop Bar		
12.0	Sta 99+42	White - Stop Bar		
	BELVIDERE ROAD			
12.0	Sta 100+52	White - Stop Bar		
18.0	Sta 100+63 - 100+68	White - Stop Bar		
11.3	Sta 100+68	White - Stop Bar		
168.3	TOTAL			

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH	LOCATION			
	<i>Two-Way Amber</i>			
	IL 173			
28	Sta 236+91 - 247+76	40' o.c. - LT		
14	Sta 237+62 - 242+11	40' o.c. - RT		
28	Sta 242+11 - 247+76	20' o.c. - RT		
27	Sta 249+02 - 259+51	40' o.c. - RT		
24	Sta 249+02 - 254+31	20' o.c. - LT		
15	Sta 254+31 - 259+51	40' o.c. - LT		
	ARGYLE ROAD			
6	Sta 92+99 - 93+78	40' o.c. - RT Approach Side		
15	Sta 93+78 - 99+33	40' o.c. - LT		
29	Sta 93+78 - 99+33	20' o.c. - RT		
	BELVIDERE ROAD			
43	Sta 100+62 - 108+92	20' o.c. - LT		
22	Sta 100+62 - 108+92	40' o.c. - RT		
6	Sta 108+92 - 109+54	40' o.c. - LT Approach Side		
257	Sub-Total			

*One-Way Crystal*

16	Sta 244+76 - 247+86	20' o.c. - LT Turn Lane
16	Sta 244+76 - 247+86	20' o.c. - RT Turn Lane
14	Sta 248+89 - 251+66	20' o.c. - LT Turn Lane
	ARGYLE ROAD	
14	Sta 96+78 - 99+43	20' o.c. - LT Turn Lane
	BELVIDERE ROAD	
14	Sta 100+52 - 103+27	20' o.c. - LT Turn Lane
74	Sub-Total	
331	TOTAL	

78300100 PAVEMENT MARKING REMOVAL

SQ FT	LOCATION			
	IL 173			
1,131.3	Sta 239+81 - 256+78	Mainline Centerline		
26.0	Sta 247+80	Stop Bar (Existing)		
26.0	Sta 249+00	Stop Bar (Existing)		
559.3	Sta 237+17 - 245+56	Stage 3 - Centerline		
722.0	Sta 249+00 - 259+83	Stage 3 - Centerline		
779.0	Sta 236+72 - 260+09	Stage 3 - EOP (LT)		
354.0	Sta 236+72 - 247+34	Stage 3 - EOP (RT)		
317.3	Sta 250+11 - 259+63	Stage 3 - EOP (RT)		
40.0	Sta 247+73	Stage 3 - Stop Bar		
22.0	Sta 249+00	Stage 3 - Stop Bar		
33.0	Sta 245+55 - 247+75	Stage 3 - Painted Median		
	ARGYLE ROAD			
247.7	Sta 97+37 - 99+32	Stage 3 - Painted Median		
291.3	Sta 93+00 - 97+37	Stage 3 - Centerline		
237.0	Sta 93+00 - 99+69	Stage 3 - EOP (LT & Return)		
249.7	Sta 93+00 - 99+22	Stage 3 - EOP (RT & Return)		
84.0	Sta 99+28	Stage 3 - Stop Bar		
52.0	Sta 97+37 - 99+32	Stage 3 - Painted Median		
	BELVIDERE ROAD			
57.0	Sta 100+47 - 100+93	EOP - LT (Existing)		
58.7	Sta 100+02 - 101+50	EOP - RT (Existing)		
26.0	Sta 100+65	Stop Bar (Existing)		
5,313.3	TOTAL			

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

EACH	LOCATION	
	BELVIDERE ROAD	
11	As Directed by the Resident	
11	TOTAL	

B2004814 TREE, MALUS SARGENTII (SARGENT CRABAPPLE) 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED

EACH	LOCATION	
	IL 173	
24	As Directed by the District Landscape Architect	
24	TOTAL	

PLOT DATE = Mon Dec 03 11:17:38 2007  
 FILE NAME = c:\p\proj\129m&ts\281717\_dbr1717.rvt.dgn  
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 REFERENCE = WREF



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	25

STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

•(IL 173)

X0325165 CORRUGATED STEEL PIPE MULTIPLE END SECTIONS DOUBLE 15"

EACH	LOCATION
	IL 173
1	Sta 244+ 87 RT (Stage 2)
1	TOTAL

X0325519 DRAIN FOR AGGREGATE BASE COURSE

SQ YD	LOCATION
	IL 173
0.7	Sta 238 + 75 RT (18" Aggregate Sub-Base)
0.7	Sta 241 + 25 RT (24" Aggregate Sub-Base)
0.8	Sta 243 + 75 RT (24" Aggregate Sub-Base)
0.8	Sta 246 + 25 RT (18" Aggregate Sub-Base)
0.7	Sta 250 + 00 RT (24" Aggregate Sub-Base)
0.7	Sta 252 + 50 RT (18" Aggregate Sub-Base)
0.7	Sta 255 + 00 RT (18" Aggregate Sub-Base)
0.7	Sta 257 + 50 RT (24" Aggregate Sub-Base)
	ARGYLE ROAD
2.2	Sta 96+ 00 LT (24" Aggregate Sub-Base)
2.2	Sta 96+ 00 RT (24" Aggregate Sub-Base)
0.7	Sta 98+ 50 LT (24" Aggregate Sub-Base)
2.2	Sta 98+ 50 RT (24" Aggregate Sub-Base)
	BELVIDERE ROAD
2.2	Sta 102+ 50 LT (18" Aggregate Sub-Base)
2.2	Sta 102+ 50 RT (18" Aggregate Sub-Base)
2.2	Sta 105+ 00 LT (18" Aggregate Sub-Base)
2.2	Sta 105+ 00 RT (18" Aggregate Sub-Base)
2.2	Sta 107+ 50 LT (18" Aggregate Sub-Base)
2.2	Sta 107+ 50 RT (18" Aggregate Sub-Base)
26.3	TOTAL

X0712400 TEMPORARY PAVEMENT

SQ YD	LOCATION
	BELVIDERE ROAD
136.1	NW Quadrant - Temp Widening
233.3	NE Quadrant - Temp Widening
369.4	TOTAL

X0919000 TEMPORARY PAVEMENT REMOVAL

SQ YD	LOCATION
	BELVIDERE ROAD
136.1	NW Quadrant - Temp Widening
233.3	NE Quadrant - Temp Widening
369.4	TOTAL

Z0005400 BREAKER-RUN CRUSHED STONE

TON	LOCATION
	IL 173
184.5	Sta 244 + 47.5 ARGYLE ROAD
44.6	Sta 99+ 00 BELVIDERE ROAD
124.7	Sta 104+ 93
353.8	TOTAL

Z0020900 ESTABLISHING AND REFERENCING LAND SECTION MARKERS

EACH	LOCATION
	IL 173
1	Sta 236 + 10.79 12.36' LT
1	TOTAL

Z0023500 FILLING EXISTING CULVERTS

CU YD	LOCATION
	IL 173
4.5	Sta 244+ 87 RT (The Two 15" CMP Pipe from Stage 2)
4.5	TOTAL

Z0029001 GRADED CULVERT EXTENSION, NO. 1

EACH	LOCATION
	IL 173
2	Sta 244+ 35 RT
2	Sta 244+ 57 LT
4	TOTAL

Z0029002 GRADED CULVERT EXTENSION, NO. 2

EACH	LOCATION
	BELVIDERE RD
4	Sta 104+ 93 LT & RT
4	TOTAL

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# BITUMINOUS SCHEDULE

Location	Remarks	Length	Proposed Surface		Widening Area Sq Yd	Widening Area (3' Widening + 1' Shldr) Sq Yd	Bit Materials Prime Coat (2 Applications) Ton	Agg Prime Coat Ton	Leveling Binder (Machine Method), N50 Ton	Polymerized Leveling Binder (Machine Method), N90 Ton	Hot-Mix Asphalt Binder Course, IL 19.0, N50 Ton	Polymerized Hot-Mix Asphalt Binder Course, IL 19.0, N90 Ton	Hot-Mix Asphalt Surface Course, Mix "C", N50 Ton	Hot-Mix Asphalt Surface Course, Mix "D", N50 Ton	Polymerized Hot-Mix Asphalt Surface Course, Mix "D", N90 Ton	Hot-Mix Asphalt Shoulders, 6 1/2"	
			Width	Sq Yd												LT Sq Yd	RT Sq Yd
<b>IL 173 - EB Stage 2 Build Up</b>																	
Sta 241 + 90 - 242 + 50	Taper	60.0	13'	86.7			0.05	0.13		9.7							
Sta 242 + 50 - 254 + 50		1200.0	13'	1,734.0			0.99	2.60		194.2							
Sta 254 + 50 - 255 + 10	Taper	60.0	13'	86.7			0.05	0.13		9.7							
<b>IL 173</b>																	
Sta 230 + 74 - 231 + 24	Butt Joint	50.0	26'	144.4			0.08	0.22		1.8					10.8		
Sta 231 + 24 - 236 + 22		497.6	26'	1,437.5			0.82	2.16		80.5					120.7		
Sta 236 + 22 - 239 + 50		328.4	26' - 33.8'	1,090.6	133.2	145.9	0.62	1.64			243.5	41.9		91.6	248.4	250.5	
Sta 239 + 50 - 241 + 50		200.0	33.8' - 39'	808.6	228.0	88.9	0.46	1.21			271.0	26.3		67.9	155.6	157.2	
Sta 241 + 50 - 242 + 50		100.0	39' - 41.4'	447.5	156.1	44.4	0.26	0.67			170.7	18.0		37.6	77.8	136.7	
Sta 242 + 50 - 244 + 10		160.0	53.6'	949.5	485.4	71.1	0.54	1.42			767.0	16.4		79.8	124.4	70.9	
Sta 244 + 10 - 244 + 50		40.0	53.6'	238.5	121.8		0.14	0.36			211.9	4.1		20.0	31.1	17.8	
Sta 244 + 50 - 247 + 41		290.8	53.6'	1,731.1	884.5		0.99	2.60			1538.0	28.1		145.4	146.0	188.0	
Sta 247 + 41 - 247 + 11		270.2	65.6' - 53.8'	1,252.4	305.7		0.72	1.88			916.2			105.2			
Sta 250 + 11 - 256 + 50		639.0	41.8' - 37.4'	2,445.6	872.6	239.6	1.40	3.67			1699.1	35.3		205.4	420.7		
Sta 256 + 50 - 259 + 63		312.7	37.4' - 27'	1,479.2	280.3	184.1	0.85	2.22			503.7	26.4		124.3	314.5		
Sta 259 + 63 - 260 + 13	Butt Joint	50.0	26'	144.4		22.2	0.08	0.22		2.1				11.1	30.5		
<b>12' Hot-Mix Asphalt Shoulder - RT</b>																	
Sta 250 + 11 - 256 + 50		639.0		878.7			0.50	1.32			516.7			73.8			
Sta 256 + 50 - 259 + 63		312.7		417.3			0.24	0.63			245.4			35.1			
Sta 259 + 63 - 260 + 13		50.0		51.2			0.03	0.08			30.1			4.3			
<b>Argyle Road</b>																	
Sta 92 + 99 - 93 + 49	Butt Joint	50.0	24.5'	132.4			0.08	0.20	2.1					11.1			
Sta 93 + 49 - 96 + 79		329.3	24.5' - 38'	1,147.6	324.2		0.66	1.72	80.3				18.3	96.4		109.8	108.4
Sta 96 + 79 - 97 + 60		81.4	38'	344.8	139.4		0.20	0.52	24.1				4.6	29.0		27.2	
Sta 97 + 60 - 98 + 17		57.0	38'	239.1	93.8		0.14	0.36		65.0			3.2	20.1		18.9	18.9
Sta 98 + 17 - 99 + 71	Return	154.3	38' & Var	1,539.9	1,071.8		0.88	2.31			1339.1	11.7		129.4	38.7	100.9	
<b>Belvidere Road</b>																	
Sta 100 + 14 - 101 + 64	Return	149.6	38' & Var	1,522.0	868.5		0.87	2.28			1201.1	15.7		127.8	27.1	159.6	
Sta 101 + 64 - 102 + 70		106.4	38'	449.2	163.8		0.26	0.67		119.4		6.0	37.7		35.5	35.5	
Sta 102 + 70 - 105 + 92		322.0	38'	1,358.6	502.5		0.78	2.04	95.1			18.0	114.1		107.3	107.3	
Sta 105 + 92 - 109 + 4		311.9	38' - 25'	1,099.5	267.8		0.63	1.65	77.0			19.4	92.4		112.6	118.9	
Sta 109 + 4 - 109 + 54	Butt Joint	50.0	24'	133.9			0.08	0.20	2.1					11.1			
<b>CE - LT</b>																	
Sta 232 + 45				106.8			0.06							12.0			
																2026.1	1497.8
<b>TOTAL (80% FED / 20% STATE)</b>							1.0	2.4		84.4				143.4			
<b>TOTAL (90% FED / 10% STATE)</b>							12.5	32.7	280.7	213.6	184.5	9653.2	296.0	411.9	1258.7	3523.9	
<b>GRAND TOTAL</b>				21,483.50	6,899.40	796.20	13.5	35.1	280.7	298.0	184.5	9,653.2	296.0	411.9	1,402.1	3,523.9	

DENOTES TOTAL FOR OVERLAY SECTION THAT IS 80% FED / 20% STATE

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# EARTHWORK SCHEDULE

	LOCATION	EARTH EXC (CUT)	EARTH EXC ADJ FOR SHRINK 25%	EMBANK FILL	EARTH WORK BALANCE WASTE (+) SHORTAGE (-)
		CU YD	CU YD	CU YD	CU YD
<b>STAGE I</b>	IL 173 RT STA 236+21.62 TO 242+50 RT STA 254+50 TO 260+12.68	981.8 1546.2	736.35 1159.65	123 7.5	613.35 1152.15
	IL 173 / BELVIDERE RD. TEMPORARY PAVEMENT NW QUADRANT	51.5	38.625	5.6	33.025
	IL 173 / BELVIDERE RD. TEMPORARY PAVEMENT NE QUADRANT	91	68.25	29	39.25
<b>STAGE II</b>	ARGYLE ROAD 93+00 TO 100+00	3372.6	2529.45	260.6	2268.85
	IL 173 RT STA 242+50 TO 254+50	2934.6	2200.95	466.4	1734.55
<b>STAGE III</b>	IL 173 LT STA 242+50 TO 254+50	258.1	193.58	1056.9	-863.33
	BELVIDERE ROAD 100+00 TO 109+50	1036.4	777.3	1858.3	-1081
<b>STAGE IV</b>	IL 173 LT STA 236+21.62 TO 242+50	145.9	109.43	128.1	-18.68
	LT STA 254+50 TO 260+12.68	105.8	79.35	147.5	-68.15
<b>PROJECT TOTALS</b>		10523.9	7892.93	4082.9	3810.03

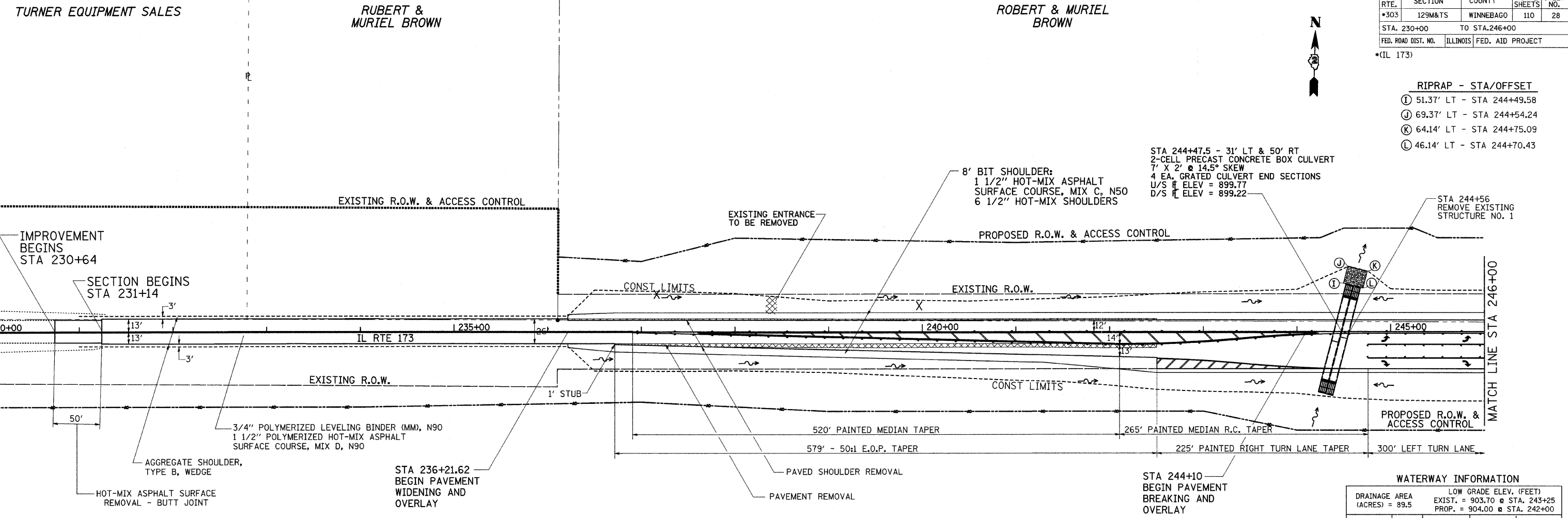
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	28

STA. 230+00 TO STA. 246+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

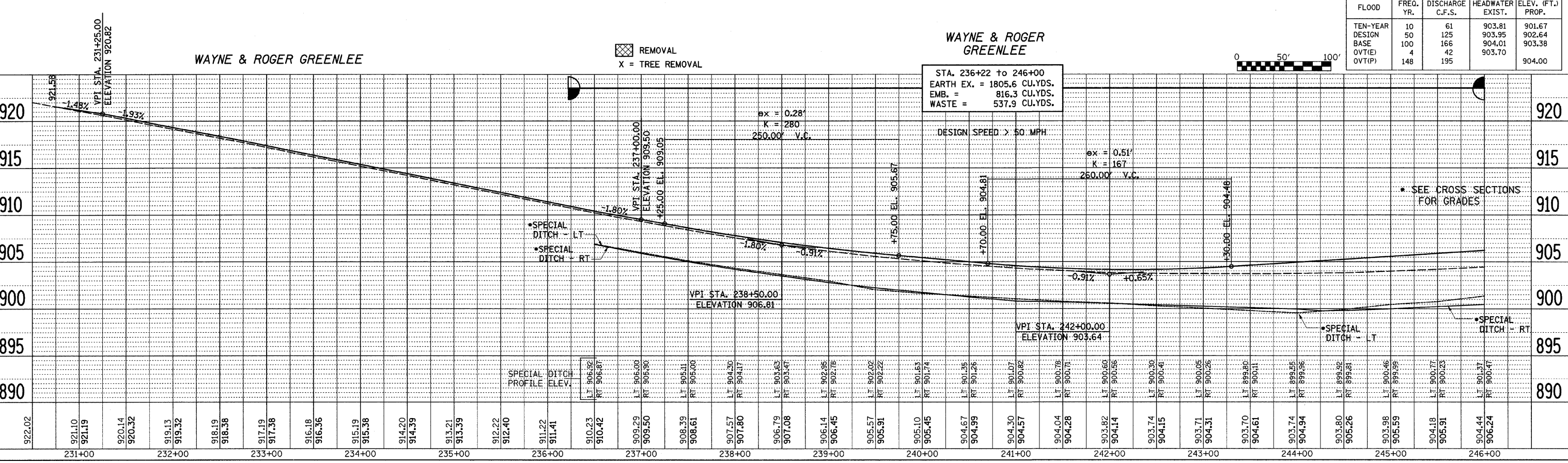
\* (IL 173)

- RIPRAP - STA/OFFSET**
- Ⓛ 51.37' LT - STA 244+49.58
  - Ⓧ 69.37' LT - STA 244+54.24
  - Ⓚ 64.14' LT - STA 244+75.09
  - Ⓛ 46.14' LT - STA 244+70.43



**WATERWAY INFORMATION**

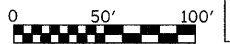
FLOOD	FREQ. YR.	DISCHARGE C.F.S.	LOW GRADE ELEV. (FEET)	
			EXIST.	PROP.
TEN-YEAR DESIGN BASE	10	61	903.81	901.67
OVT(E)	50	125	903.95	902.64
OVT(P)	100	166	904.01	903.38
	4	42	903.70	
	148	195		904.00



**WAYNE & ROGER GREENLEE**

STA. 236+22 to 246+00  
 EARTH EX. = 1805.6 CU.YDS.  
 EMB. = 816.3 CU.YDS.  
 WASTE = 537.9 CU.YDS.

DESIGN SPEED > 50 MPH



\* SEE CROSS SECTIONS FOR GRADES

PLAY

DATE	BY

PROFILE

DATE	BY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	29

STA. 246+00 TO STA. 261+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\* (IL 173)

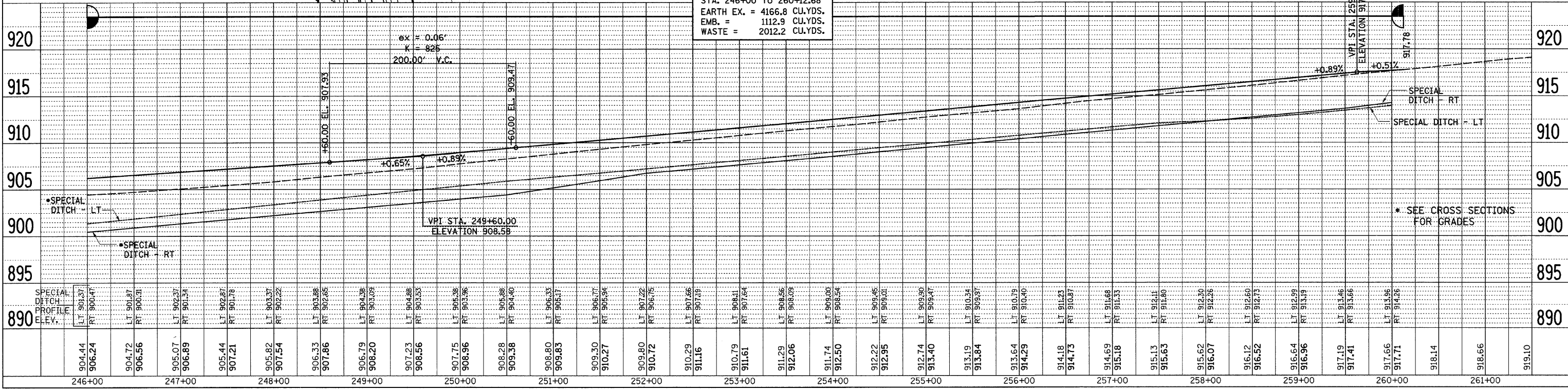
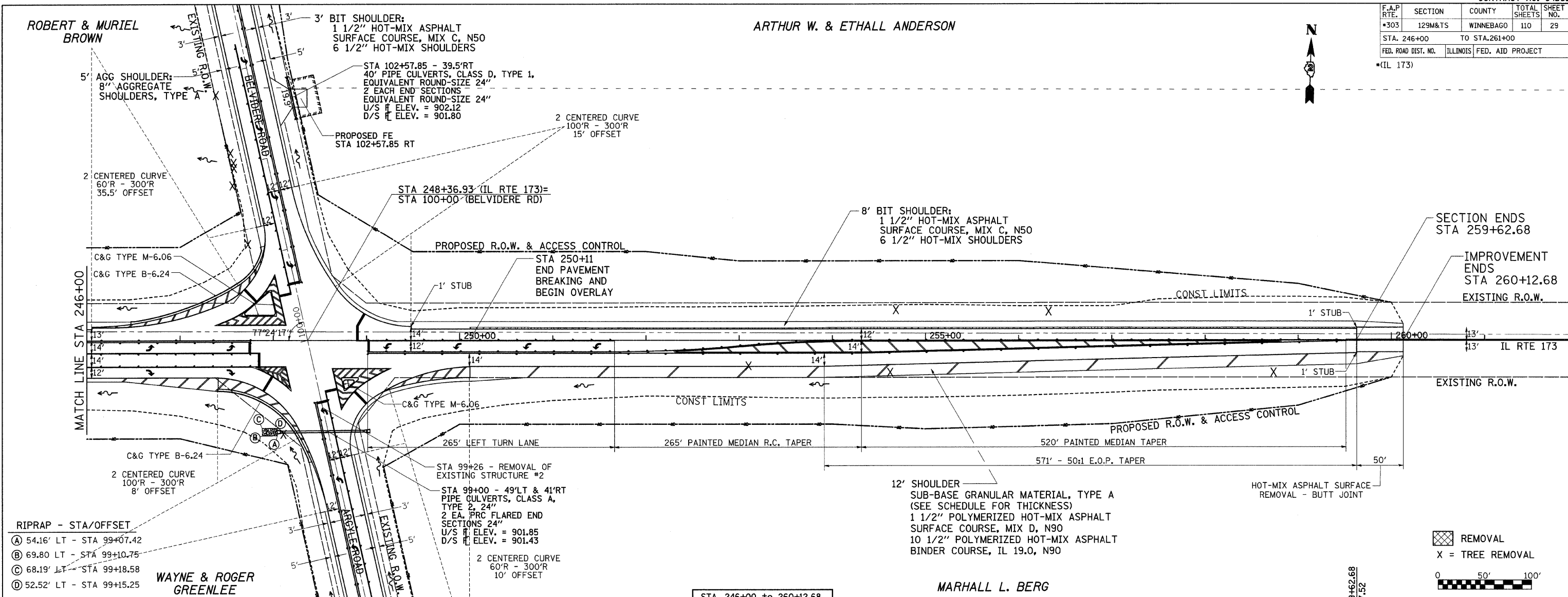
ARTHUR W. & ETHALL ANDERSON



BY	DATE

DATE	BY	REVISION

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- RIPRAP - STA/OFFSET
- (A) 54.16' LT - STA 99+07.42
  - (B) 69.80' LT - STA 99+10.75
  - (C) 68.19' LT - STA 99+18.58
  - (D) 52.52' LT - STA 99+15.25

STA. 246+00 to 260+12.68  
 EARTH EX. = 4166.8 CU.YDS.  
 EMB. = 1112.9 CU.YDS.  
 WASTE = 2012.2 CU.YDS.

REMOVAL  
 X = TREE REMOVAL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&T5	WINNEBAGO	110	30

STA. 90+00 TO STA.100+00

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

(IL 173)



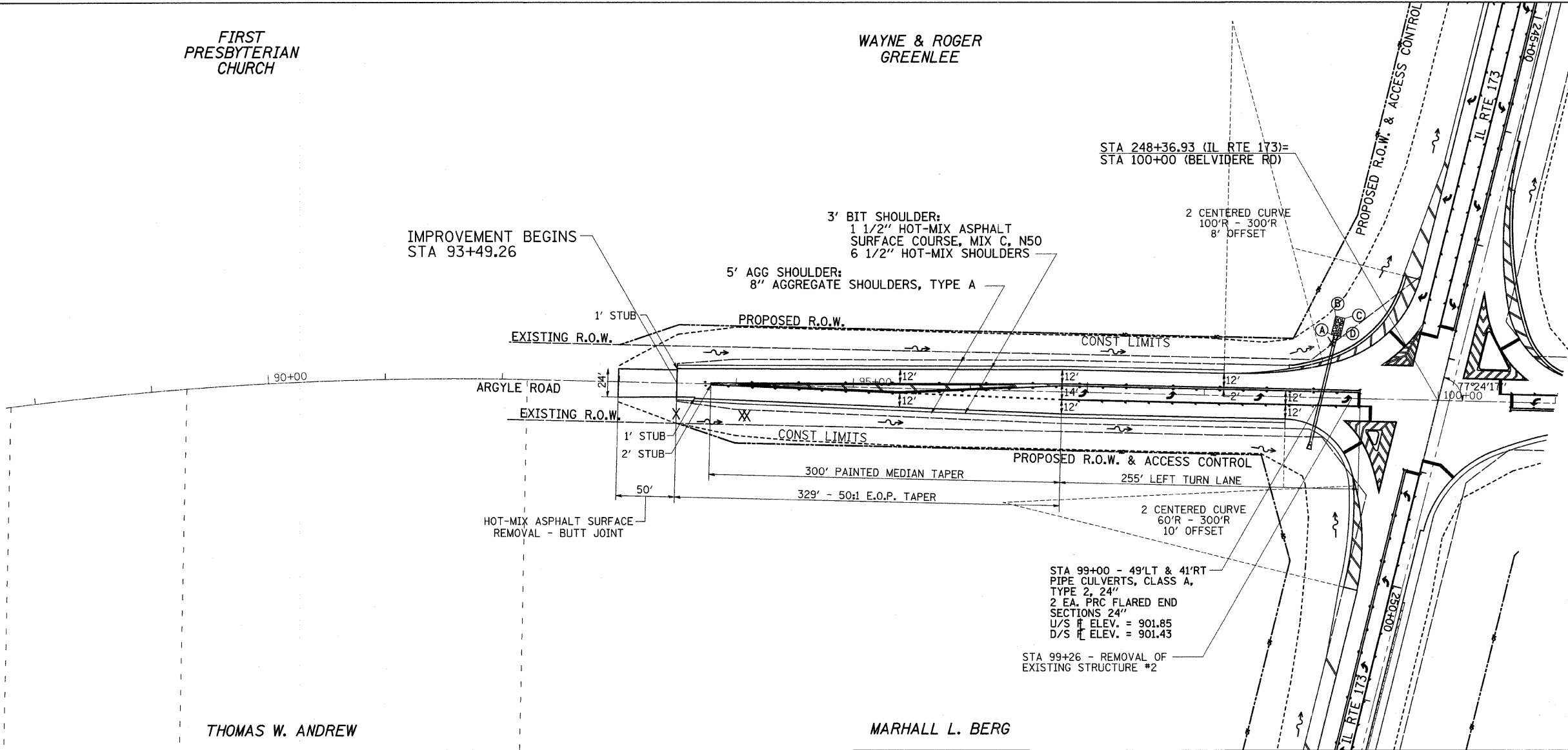
FIRST PRESBYTERIAN CHURCH

WAYNE & ROGER GREENLEE

DATE	
BY	
PLAINT	
SURVEYED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO. ROAD FILE NAME	

DATE	
BY	
PROFILE	
SURVEYED	
GRADES CHECKED	
RT. NOTED	
STRUCTURE NOTATIONS	
NO.	

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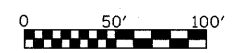
RIPRAP - STA/OFFSET

(A)	54.16' LT - STA 99+07.42
(B)	69.80 LT - STA 99+10.75
(C)	68.19' LT - STA 99+18.58
(D)	52.52' LT - STA 99+15.25

WATERWAY INFORMATION

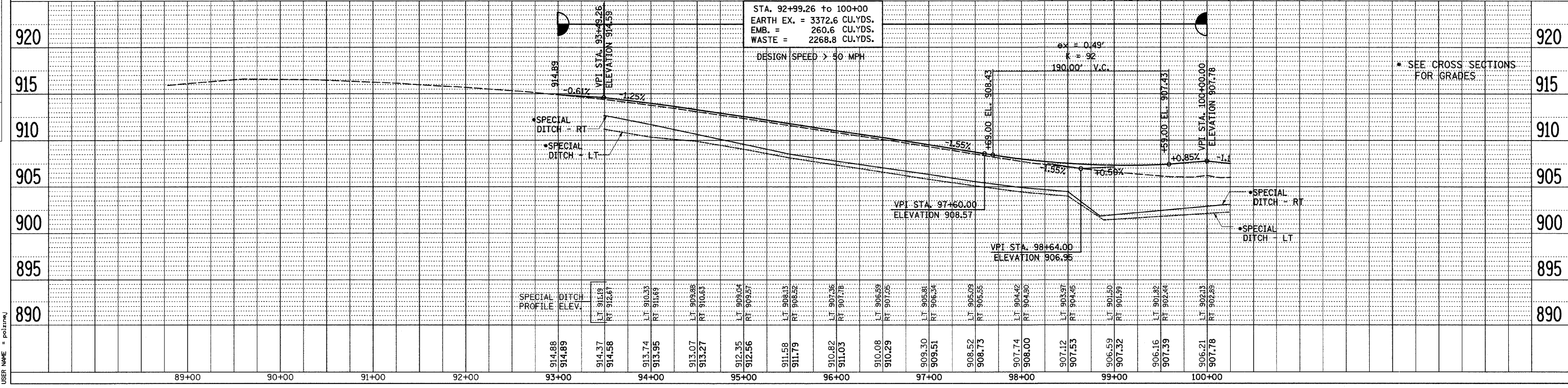
FLOOD	FREQ. YR.	DISCHARGE C.F.S.	LOW GRADE ELEV. (FEET)	
			EXIST.	PROP.
DRAINAGE AREA (ACRES) = 15.7		EXIST. = 906.04 @ STA. 99+75 PROP. = 907.29 @ STA. 99+00		
TEN-YEAR DESIGN BASE	10	11	904.28	903.78
OVT(E)	50	23	905.98	905.22
OVT(I)	100	30	906.20	906.69
OVT(P)	53	23	906.04	
	123	33		907.29

X = TREE REMOVAL



THOMAS W. ANDREW

MARHALL L. BERG



\* SEE CROSS SECTIONS FOR GRADES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	31

STA. 100+00 TO STA. 110+00  
ILLINOIS FED. AID PROJECT

(IL 173)

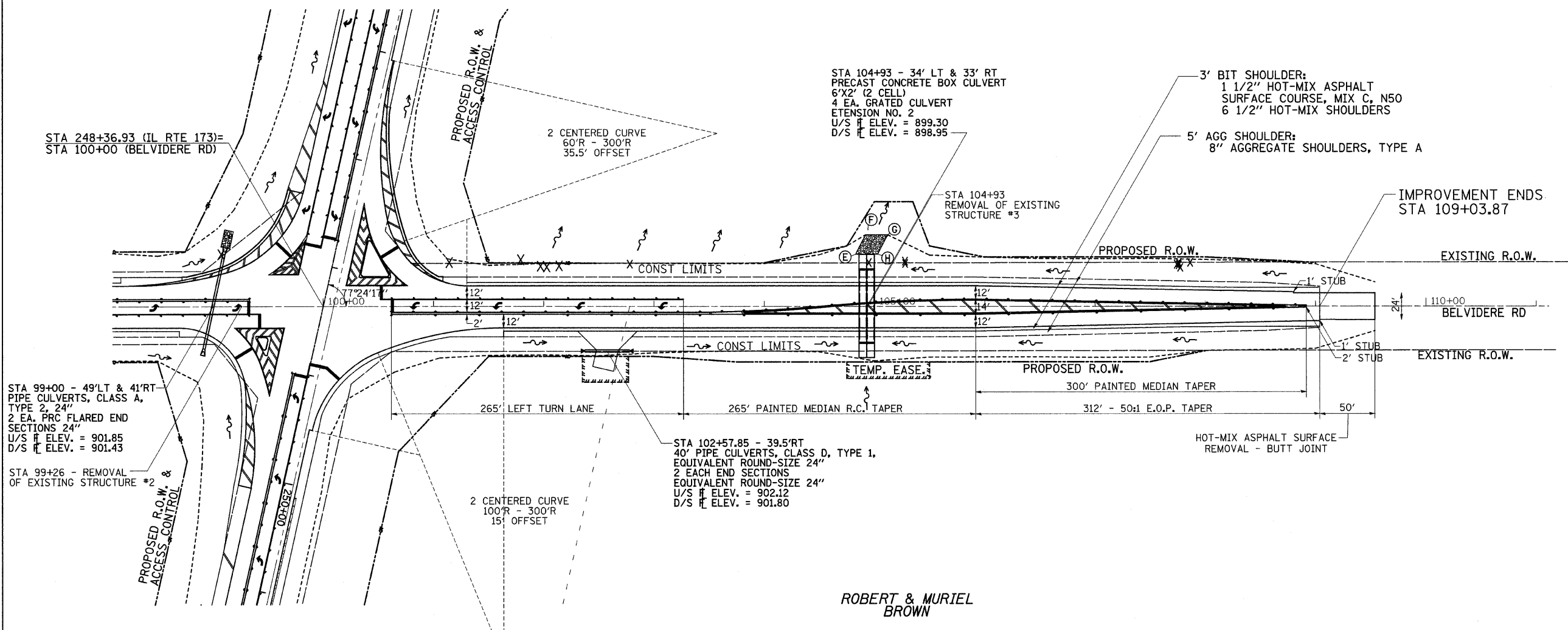
ROBERT & MURIEL BROWN



DATE	BY

DATE	BY

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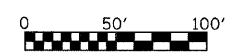
RIPRAP - STA/OFFSET

Ⓔ	47.44' LT - STA 104+83
Ⓕ	69.48' LT - STA 104+94.17
Ⓖ	61.41' LT - STA 105+10.08
Ⓗ	47.44' LT - STA 105+03

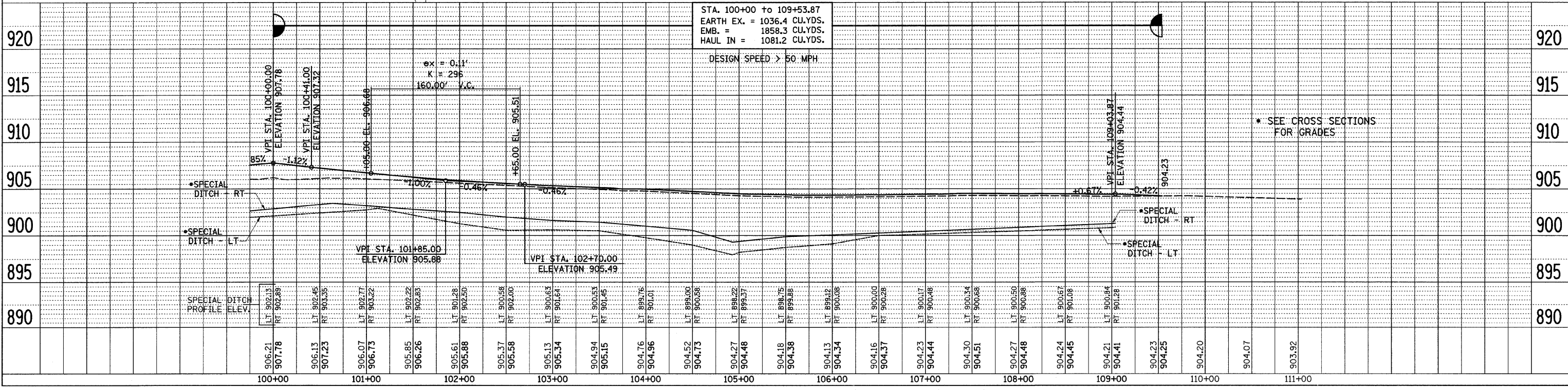
WATERWAY INFORMATION

FLOOD	FREQ. YR.	DISCHARGE C.F.S.	LOW GRADE ELEV. (FEET)	
			EXIST.	PROP.
TEN-YEAR DESIGN BASE OVT(E) OVT(P)	10	62	903.80	901.25
	50	127	903.97	902.45
	100	167	904.03	903.41
	6	52	903.70	
136	184		903.91	

X = TREE REMOVAL



ROBERT & MURIEL BROWN



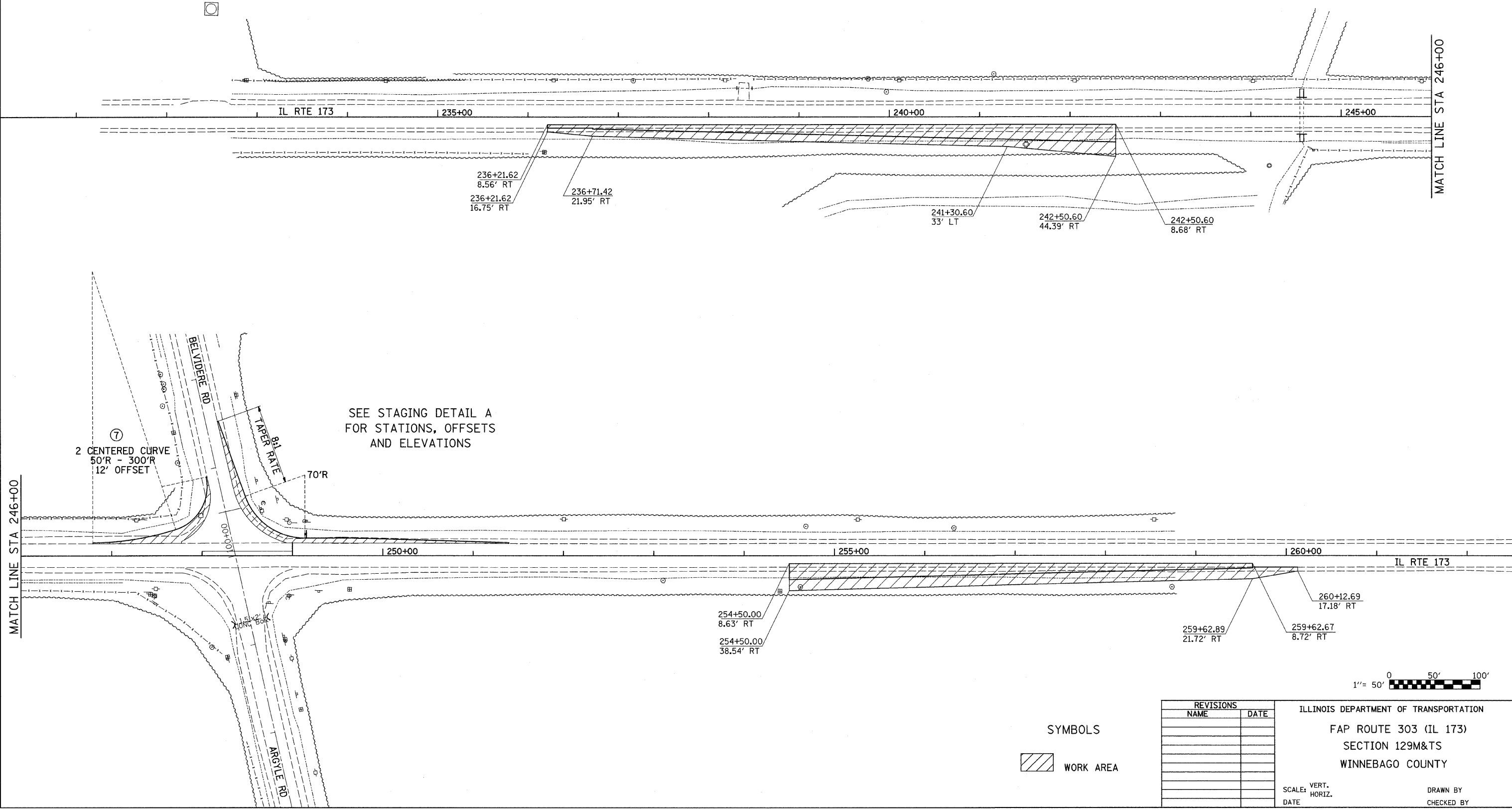
BELVIDERE RD PLAN & PROFILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	32
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(IL 173)				

# STAGE 1

### Notes:

1. SET UP TRAFFIC CONTROL AND PROTECTION 701201 AND REMOVE 1' SHLD AND 3' WIDENING ON SOUTH SIDE OF IL 173 STA 236+21.62 TO STA 242+50 AND STA 254+50 TO STA 260+12.68
2. WIDEN THE PAVEMENT, CONSTRUCT SHOULDERS AND DITCHES ON IL 173 UP TO THE EXISTING ELEVATION.
3. SET UP TRAFFIC CONTROL AND PROTECTION 701201 AT BELVIDERE ROAD AND IL 173.
4. WIDEN THE PAVEMENT, CONSTRUCT SHOULDERS AND DITCHES ON BELVIDERE ROAD DOING ONE RETURN RETURN AT A TIME.



MATCH LINE STA 246+00

MATCH LINE STA 246+00

7  
2 CENTERED CURVE  
50'R - 300'R  
12' OFFSET

SEE STAGING DETAIL A  
FOR STATIONS, OFFSETS  
AND ELEVATIONS

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SYMBOLS

	WORK AREA
--	-----------

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

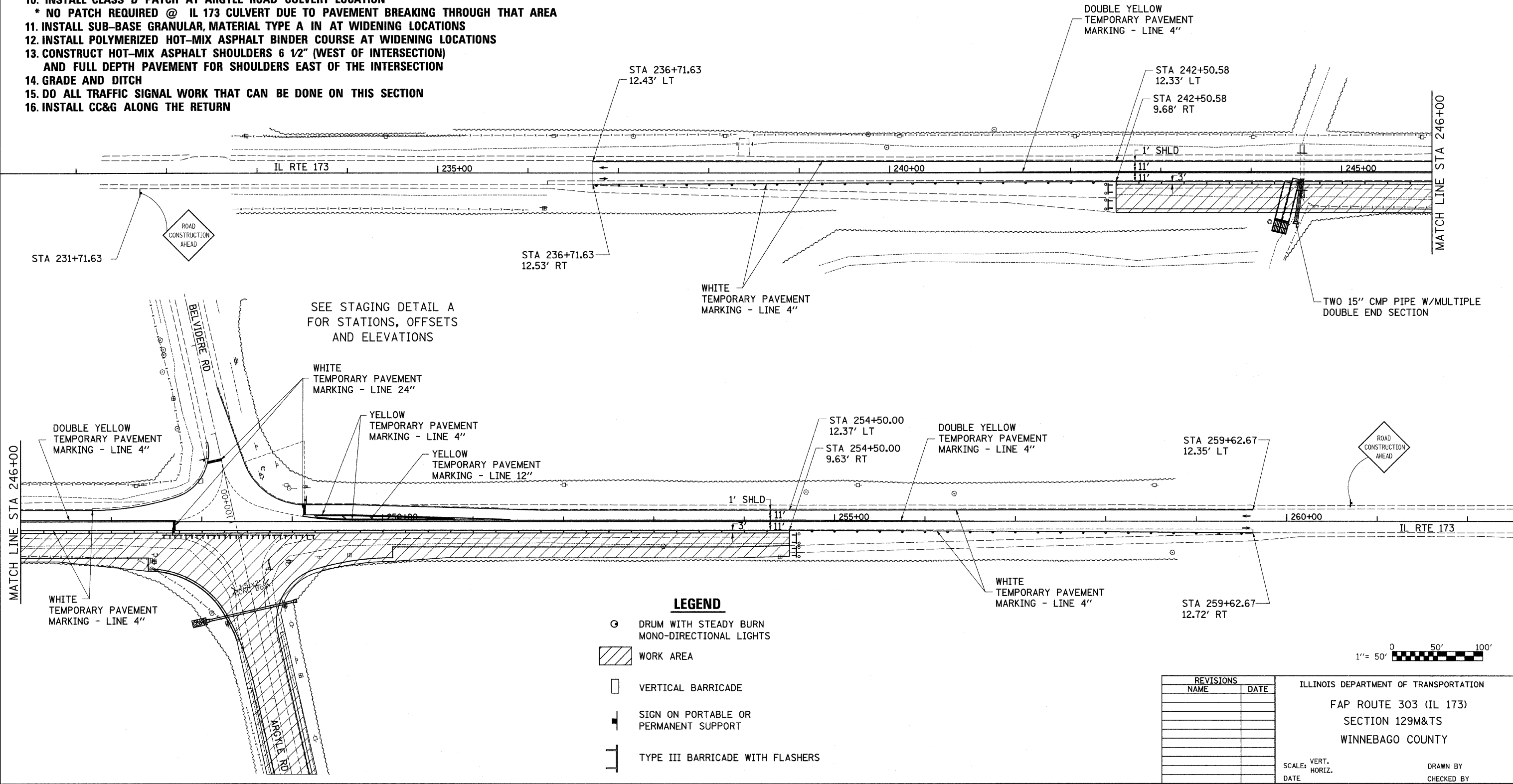


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO		33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(IL 173)				

**Notes:**

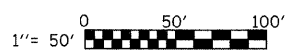
1. USE TRAFFIC CONTROL AND PROTECTION 701201 TO PLACE LEVELING BINDER ON OPEN LANES OF TRAFFIC
2. SETUP TRAFFIC CONTROL & PROTECTION PER STANDARD 701331 AND AS SHOWN ON STAGING PLAN
3. SETUP TRAFFIC CONTROL FOR ROAD CLOSURE PER DISTRICT STANDARD 40.1 AND CLOSE ARGYLE ROAD
4. REMOVE THE 1' PAVED SHOULDER ON RIGHT SIDE OF IL 173 STA 242+50 THRU STA 244+10 & STA 250+11 THRU STA 254+50
5. REMOVE PART OF EXISTING AR CULVERT AND CONSTRUCT TWO 15" CMP & DOUBLE END SECTION
6. INSTALL 7'X2' (2-CELL) PRECAST CULVERT WITH GRATED END SECTION ON IL 173 AT STA 244+47.50 RT AS SHOWN
7. INSTALL PART OF THE AR CULVERT THAT EXTENDS IN THE OPEN LANE USING 701201 AND USE TEMPORARY PAVEMENT
8. INSTALL 24" PIPE CULVERT WITH PRECAST END SECTION ON ARGYLE ROAD AT STA 99+00
9. REMOVE EXISTING CULVERT ON ARGYLE ROAD AT STA 99+26
10. INSTALL CLASS D PATCH AT ARGYLE ROAD CULVERT LOCATION  
\* NO PATCH REQUIRED @ IL 173 CULVERT DUE TO PAVEMENT BREAKING THROUGH THAT AREA
11. INSTALL SUB-BASE GRANULAR, MATERIAL TYPE A IN AT WIDENING LOCATIONS
12. INSTALL POLYMERIZED HOT-MIX ASPHALT BINDER COURSE AT WIDENING LOCATIONS
13. CONSTRUCT HOT-MIX ASPHALT SHOULDERS 6 1/2" (WEST OF INTERSECTION) AND FULL DEPTH PAVEMENT FOR SHOULDERS EAST OF THE INTERSECTION
14. GRADE AND DITCH
15. DO ALL TRAFFIC SIGNAL WORK THAT CAN BE DONE ON THIS SECTION
16. INSTALL CC&G ALONG THE RETURN

# STAGE 2



**LEGEND**

- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- WORK AREA
- VERTICAL BARRICADE
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE WITH FLASHERS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

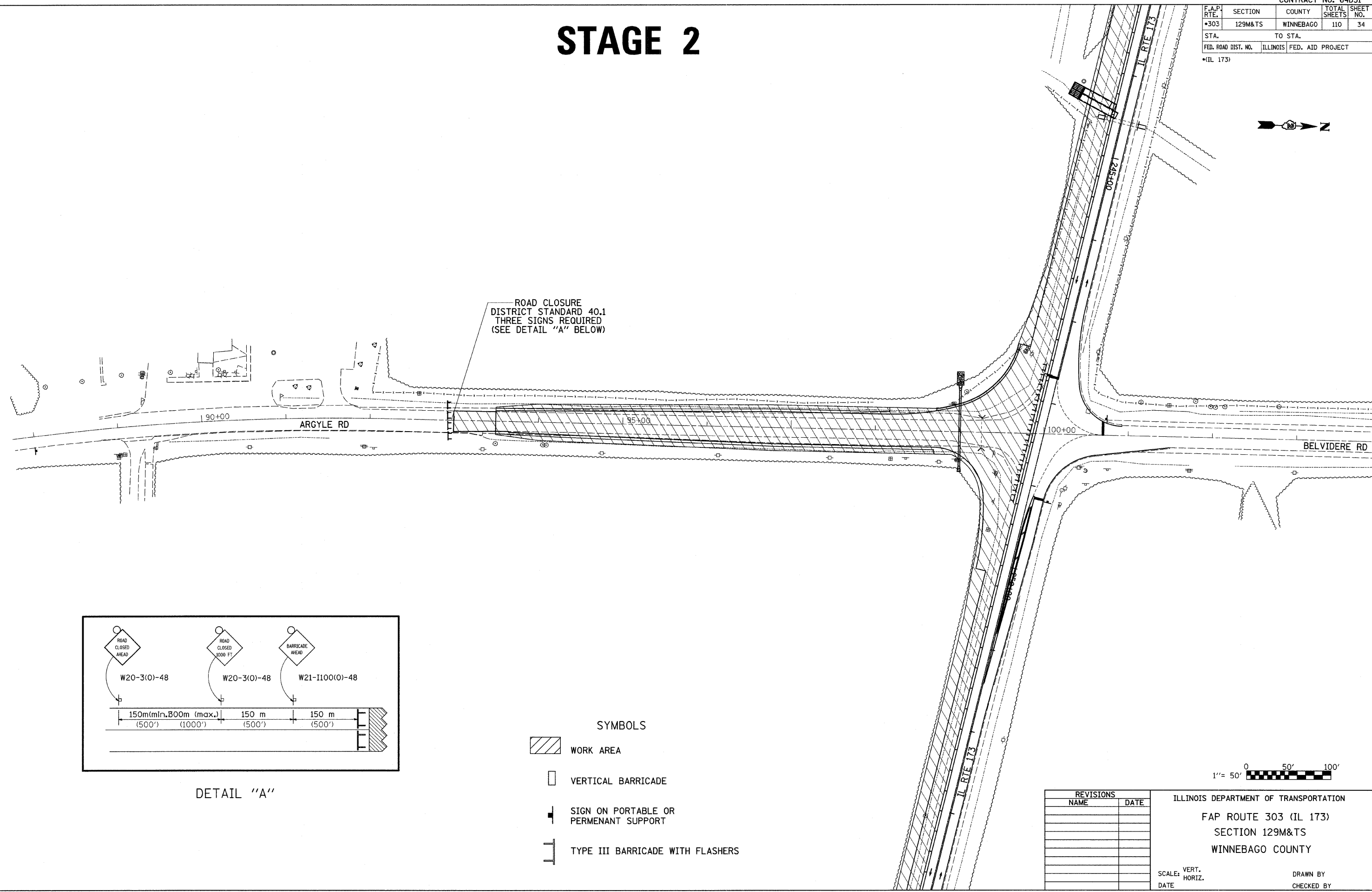
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 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

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 CHECKED BY \_\_\_\_\_

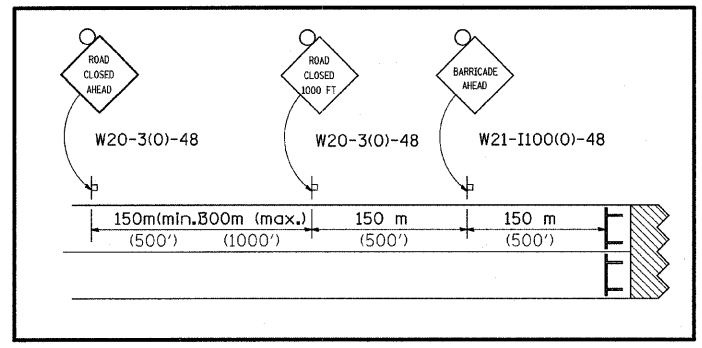
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# STAGE 2

CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	34
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
•(IL 173)				

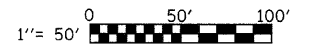


ROAD CLOSURE  
DISTRICT STANDARD 40.1  
THREE SIGNS REQUIRED  
(SEE DETAIL "A" BELOW)



DETAIL "A"

- SYMBOLS**
- WORK AREA
  - VERTICAL BARRICADE
  - SIGN ON PORTABLE OR PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHERS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
FAP ROUTE 303 (IL 173)  
SECTION 129M&TS  
WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	35

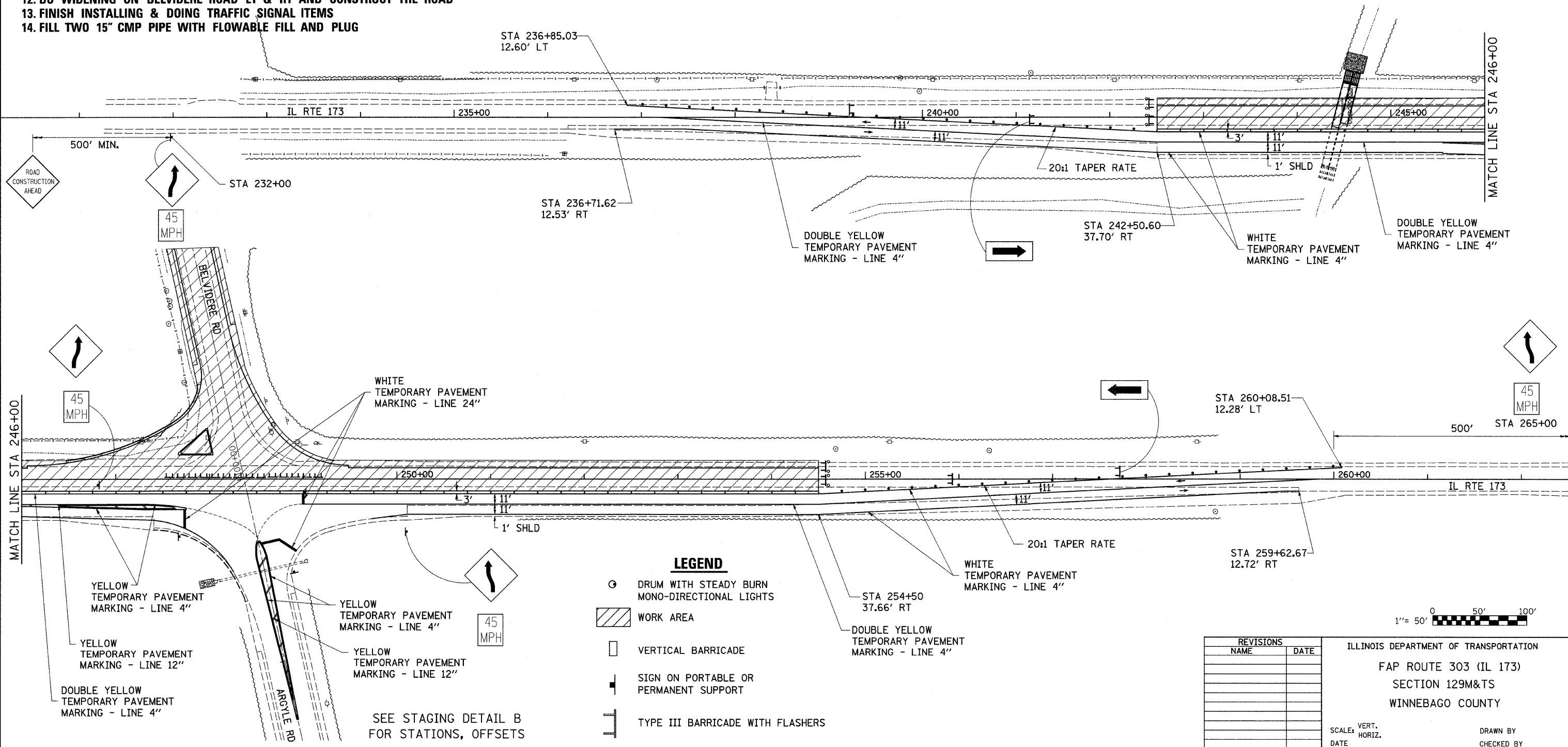
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

\*(IL 173)

# STAGE 3

### Notes:

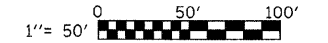
1. CONSTRUCT TEMPORARY TAPERS AT 1":10' TAPER RATE AT THE ENDS OF THE WIDENING AREAS FOR STAGE 2 USING TRAFFIC CONTROL PROTECTION STANDARD 701306
2. SETUP TRAFFIC CONTROL & PROTECTION PER STANDARD 701331 AND MOVE TRAFFIC ON THE NEW PAVEMENT AND SHOULDER AS SHOWN ON THE STAGING PLANS
3. SETUP TRAFFIC CONTROL FOR ROAD CLOSURE PER DISTRICT STANDARD 40.1 & CLOSE BELVIDERE ROAD
4. FINISH 7'X2' (2-CELL) PRECAST CULVERT AND END SECTION LT INCLUDING REMOVING TEMPORARY PAVEMENT
5. FINISH PAVEMENT BREAKING ON MAINLINE OF IL 173 STA 244+10 THRU STA 250+11
6. REMOVE 1' PAVED SHOULDER AND 3' EXISTING WIDENING AND TEMPORARY PAVEMENT AT BELVIDERE ROAD
7. INSTALL SUB-BASE GRANULAR, MATERIAL TYPE A (VAR. DEPTH) STA 244+10 THRU STA 250+11
8. INSTALL POLYMERIZED HOT-MIX ASPHALT BINDER COURSE STA 242+50 TO STA 254+50
9. INSTALL CC&G AND ISLAND
10. FINISH PLACING POLYMERIZED HMA BINDER COURSE
11. CONSTRUCT 6'X2' (2-CELL) PRECAST CULVERT AND END SECTION ON BELVIDERE ROAD AT STA 104+93
12. DO WIDENING ON BELVIDERE ROAD LT & RT AND CONSTRUCT THE ROAD
13. FINISH INSTALLING & DOING TRAFFIC SIGNAL ITEMS
14. FILL TWO 15" CMP PIPE WITH FLOWABLE FILL AND PLUG



### LEGEND

- DRUM WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- WORK AREA
- VERTICAL BARRICADE
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- TYPE III BARRICADE WITH FLASHERS

SEE STAGING DETAIL B FOR STATIONS, OFFSETS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. HORIZ.  
 DATE

DRAWN BY  
 CHECKED BY

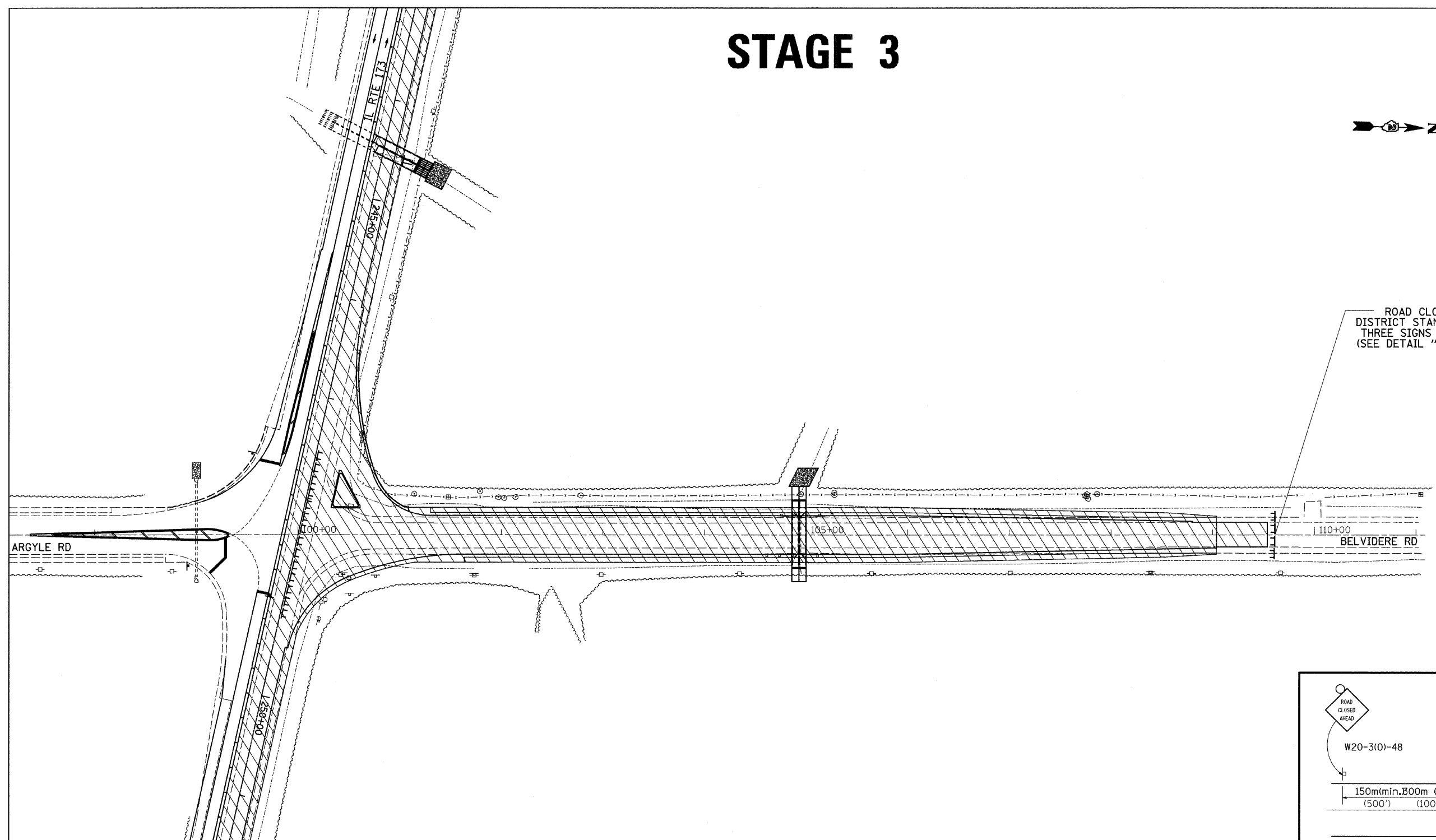
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	36

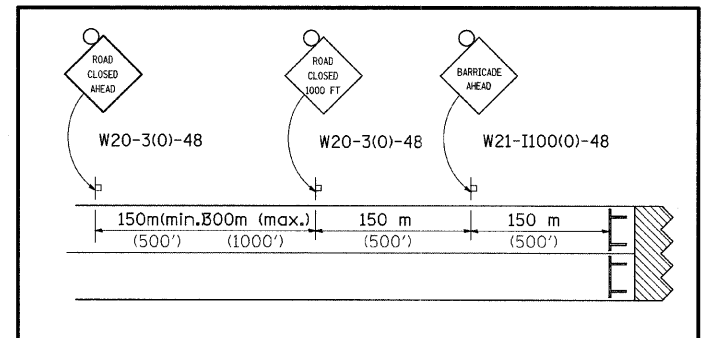
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

\*(IL 173)

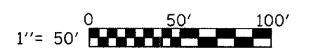
# STAGE 3



ROAD CLOSURE  
DISTRICT STANDARD 40.1  
THREE SIGNS REQUIRED  
(SEE DETAIL "A" BELOW)



DETAIL "A"



# STAGE 4

- SYMBOLS**
- WORK AREA
  - VERTICAL BARRICADE
  - SIGN ON PORTABLE OR PERMANENT SUPPORT
  - TYPE III BARRICADE WITH FLASHERS

**Notes:**

1. SET UP TRAFFIC CONTROL AND PROTECTION 701201 AND CONSTRUCT THE ISLAND AT THE SE QUADRANT OF THE INTERSECTION
2. SETUP TRAFFIC CONTROL AND PROTECTION PER STANDARD 701306  
REMOVE ALL TEMPORARY TAPERS  
FINISH CONSTRUCTING THE BINDER AND SURFACE COURSES TO PROPOSED ELEVATIONS  
FINISH CONSTRUCTING THE SHOULDERS, EARTHWORK AND DITCHING ALONG THE NORTH SIDE OF IL 173 FROM STA 236+22 TO STA 242+50 AND STA 254+50 TO STA 260+13

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
FAP ROUTE 303 (IL 173)  
SECTION 129M&TS  
WINNEBAGO COUNTY

SCALE: VERT.    DRAWN BY  
HORIZ.            CHECKED BY  
DATE

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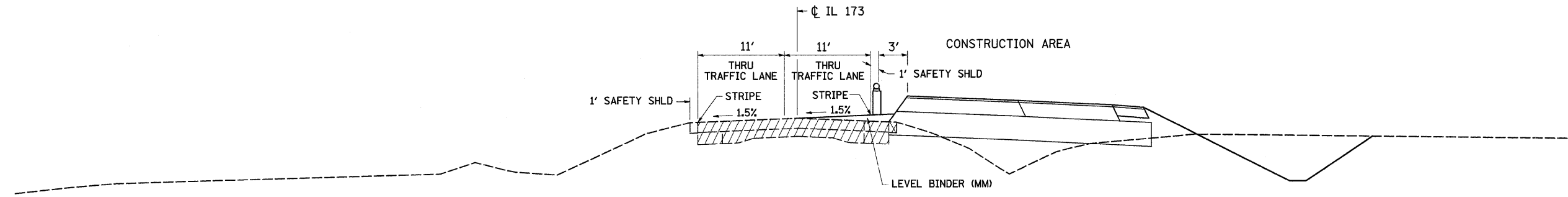
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STA.	TO STA.

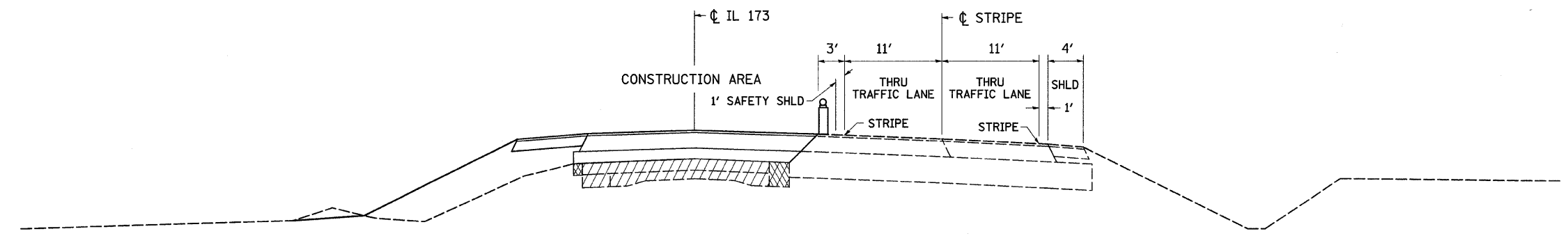
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

•(IL 173)

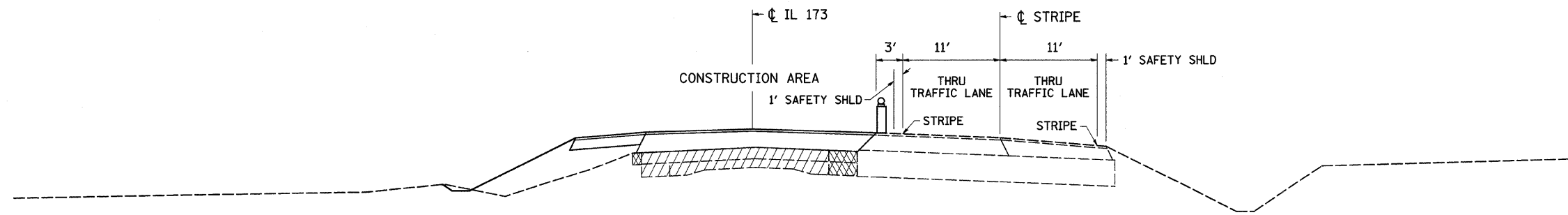
## STAGE 2 TYPICAL SECTION



## STAGE 3 TYPICAL SECTION (WEST OF INTERSECTION)



## STAGE 3 TYPICAL SECTION (EAST OF INTERSECTION)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

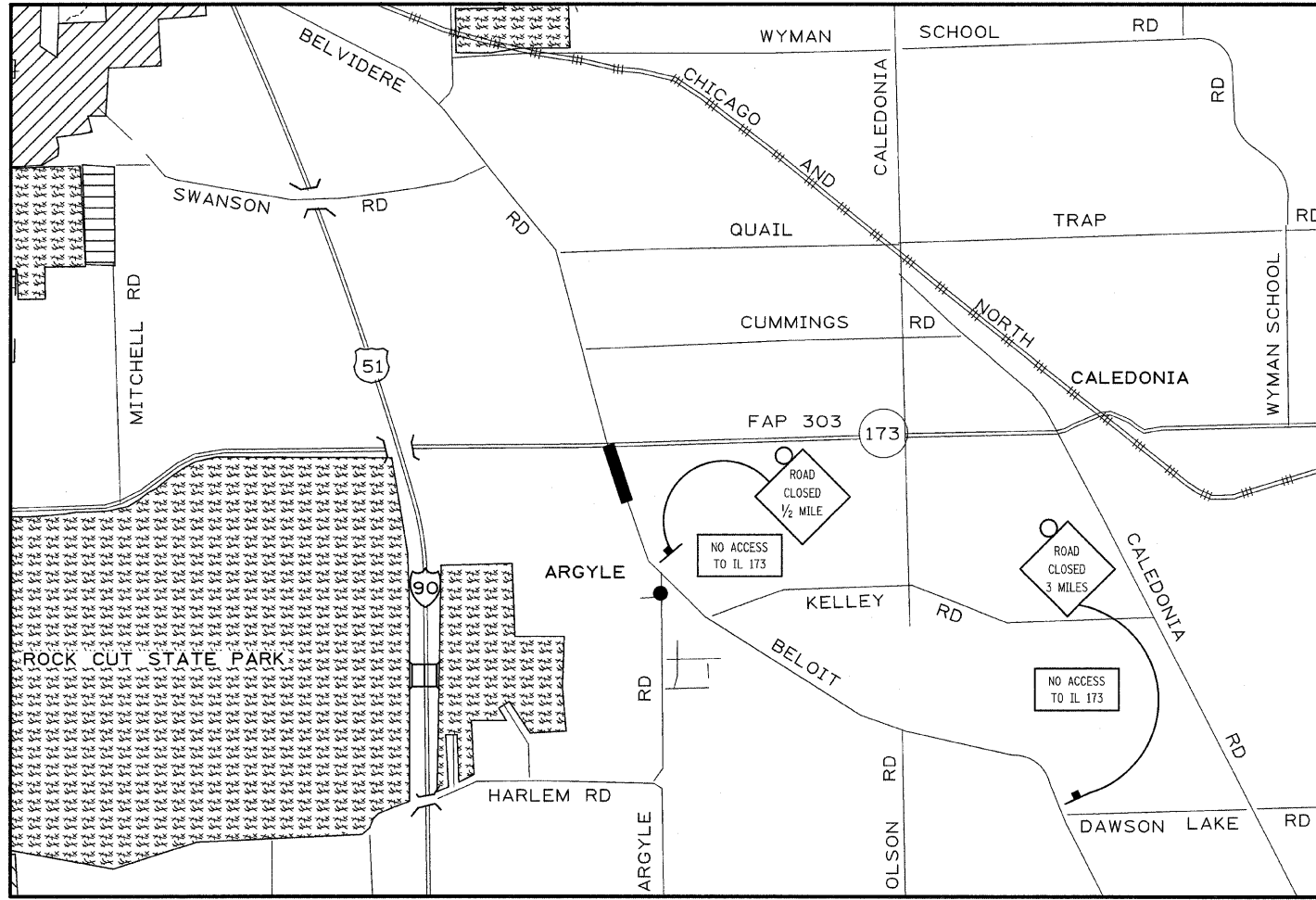
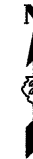
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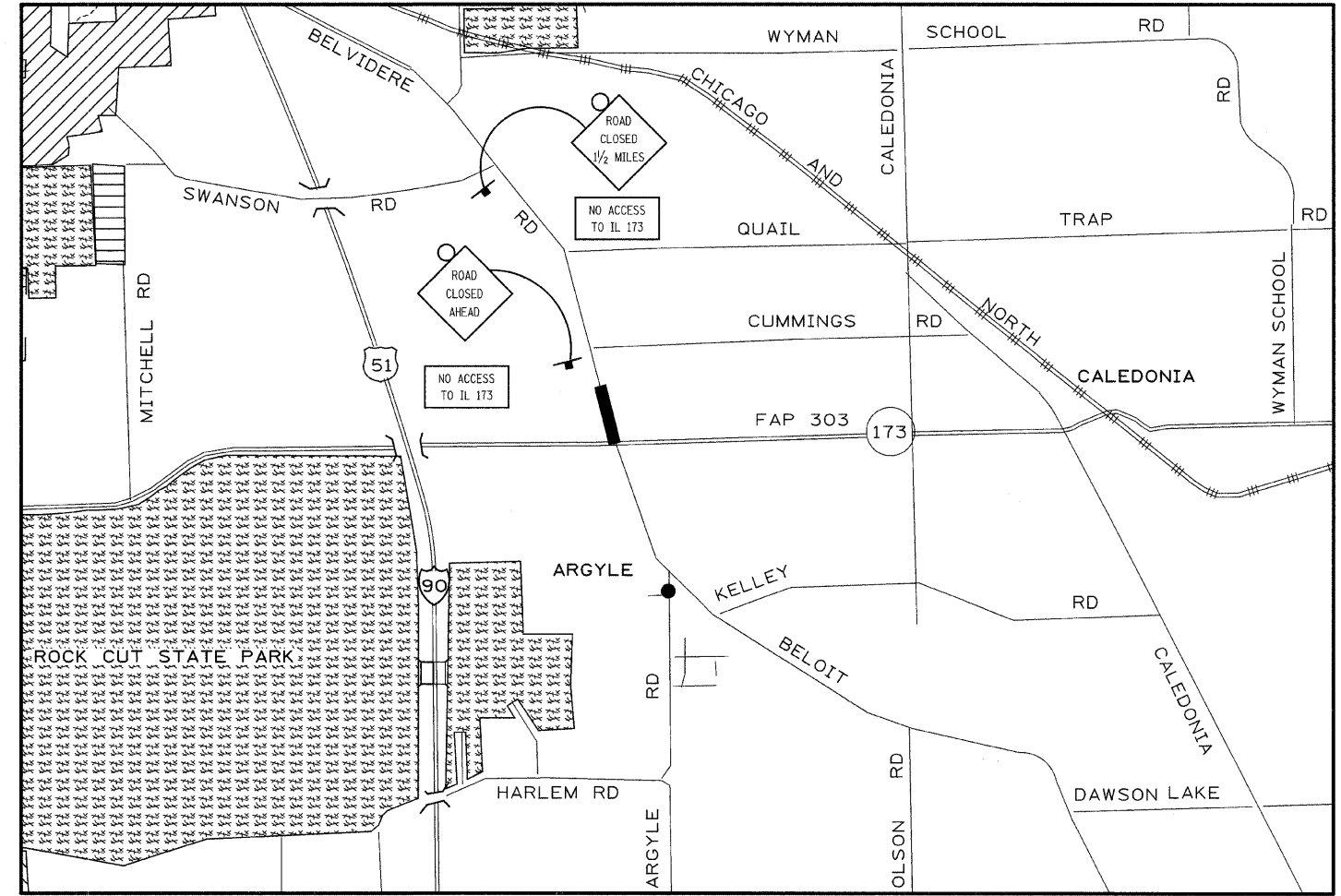
# ARGYLE ROAD SOUTH CLOSURE SIGNAGE



# BELVIDERE ROAD NORTH CLOSURE SIGNAGE



█ PROJECT AREA SOUTH



█ PROJECT AREA NORTH

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT.     DRAWN BY  
 HORIZ.             CHECKED BY  
 DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	39

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

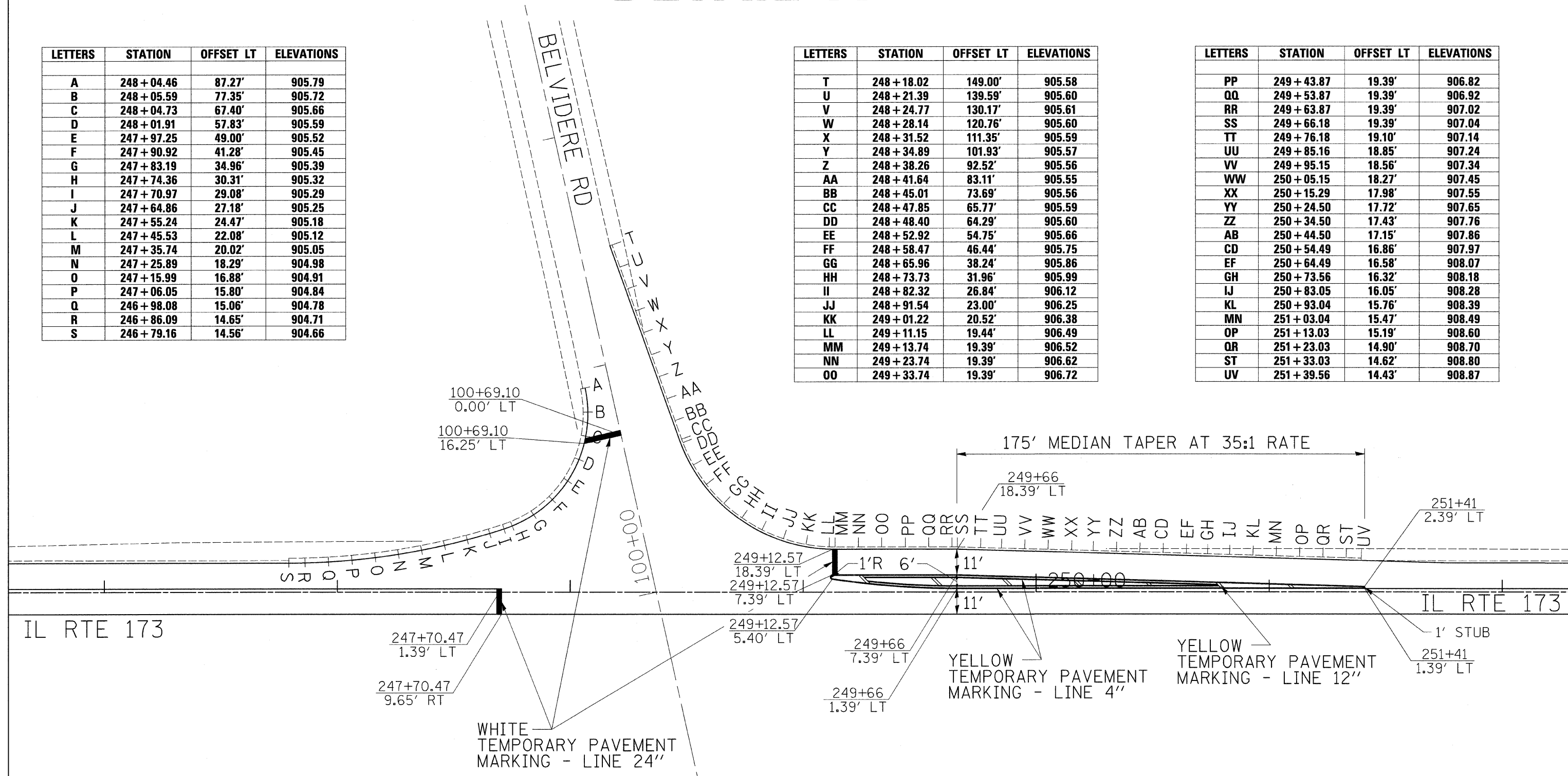
\*(IL 173)

# DETAIL A

LETTERS	STATION	OFFSET LT	ELEVATIONS
A	248+04.46	87.27'	905.79
B	248+05.59	77.35'	905.72
C	248+04.73	67.40'	905.66
D	248+01.91	57.83'	905.59
E	247+97.25	49.00'	905.52
F	247+90.92	41.28'	905.45
G	247+83.19	34.96'	905.39
H	247+74.36	30.31'	905.32
I	247+70.97	29.08'	905.29
J	247+64.86	27.18'	905.25
K	247+55.24	24.47'	905.18
L	247+45.53	22.08'	905.12
M	247+35.74	20.02'	905.05
N	247+25.89	18.29'	904.98
O	247+15.99	16.88'	904.91
P	247+06.05	15.80'	904.84
Q	246+98.08	15.06'	904.78
R	246+86.09	14.65'	904.71
S	246+79.16	14.56'	904.66

LETTERS	STATION	OFFSET LT	ELEVATIONS
T	248+18.02	149.00'	905.58
U	248+21.39	139.59'	905.60
V	248+24.77	130.17'	905.61
W	248+28.14	120.76'	905.60
X	248+31.52	111.35'	905.59
Y	248+34.89	101.93'	905.57
Z	248+38.26	92.52'	905.56
AA	248+41.64	83.11'	905.55
BB	248+45.01	73.69'	905.56
CC	248+47.85	65.77'	905.59
DD	248+48.40	64.29'	905.60
EE	248+52.92	54.75'	905.66
FF	248+58.47	46.44'	905.75
GG	248+65.96	38.24'	905.86
HH	248+73.73	31.96'	905.99
II	248+82.32	26.84'	906.12
JJ	248+91.54	23.00'	906.25
KK	249+01.22	20.52'	906.38
LL	249+11.15	19.44'	906.49
MM	249+13.74	19.39'	906.52
NN	249+23.74	19.39'	906.62
OO	249+33.74	19.39'	906.72

LETTERS	STATION	OFFSET LT	ELEVATIONS
PP	249+43.87	19.39'	906.82
QQ	249+53.87	19.39'	906.92
RR	249+63.87	19.39'	907.02
SS	249+66.18	19.39'	907.04
TT	249+76.18	19.10'	907.14
UU	249+85.16	18.85'	907.24
VV	249+95.15	18.56'	907.34
WW	250+05.15	18.27'	907.45
XX	250+15.29	17.98'	907.55
YY	250+24.50	17.72'	907.65
ZZ	250+34.50	17.43'	907.76
AB	250+44.50	17.15'	907.86
CD	250+54.49	16.86'	907.97
EF	250+64.49	16.58'	908.07
GH	250+73.56	16.32'	908.18
IJ	250+83.05	16.05'	908.28
KL	250+93.04	15.76'	908.39
MN	251+03.04	15.47'	908.49
OP	251+13.03	15.19'	908.60
OR	251+23.03	14.90'	908.70
ST	251+33.03	14.62'	908.80
UV	251+39.56	14.43'	908.87



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REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

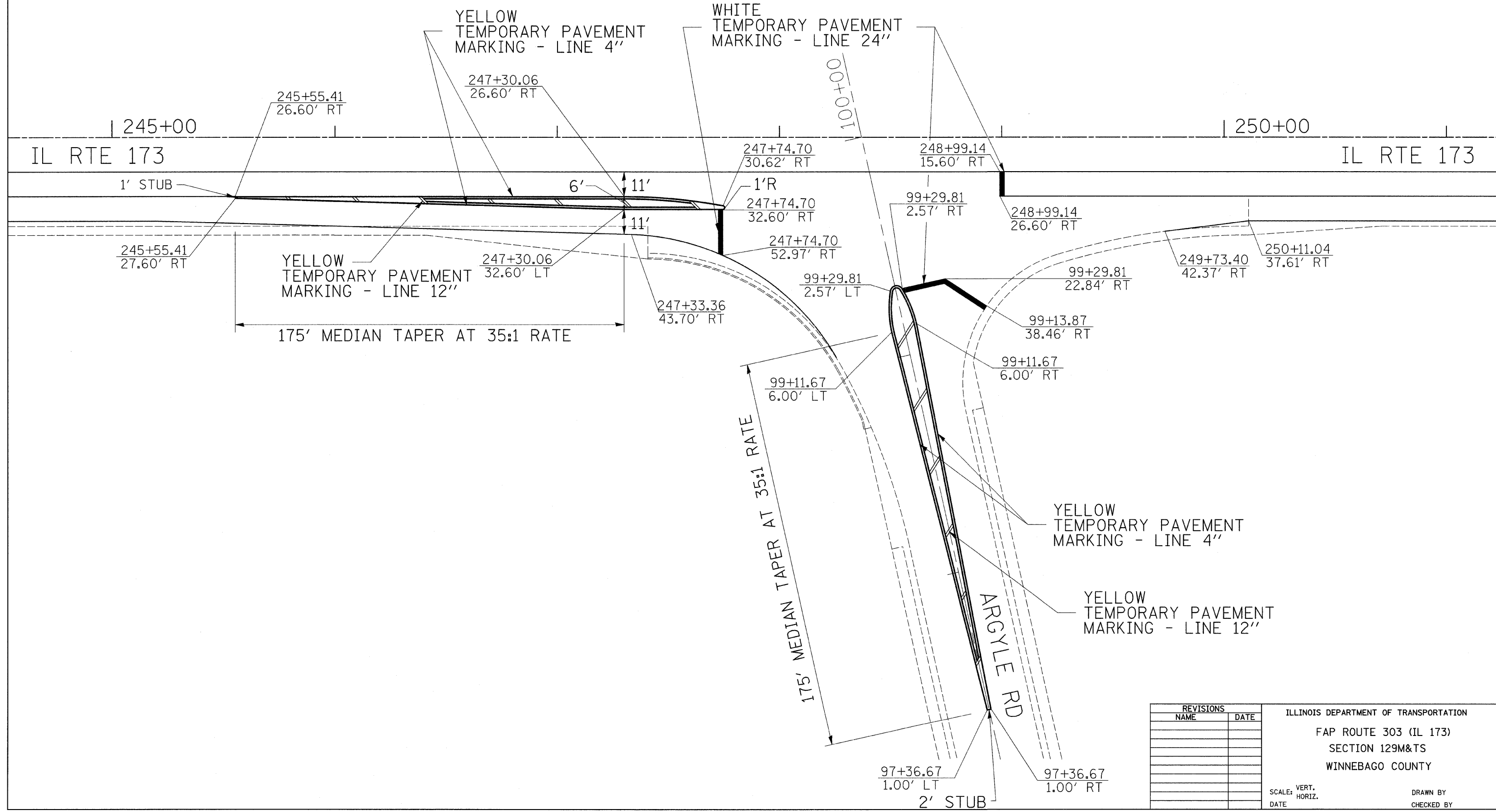
## STAGING DETAIL A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#303	129M&TS	WINNEBAGO	110	40

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

(IL 173)

# DETAIL B



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
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DRAWN BY \_\_\_\_\_  
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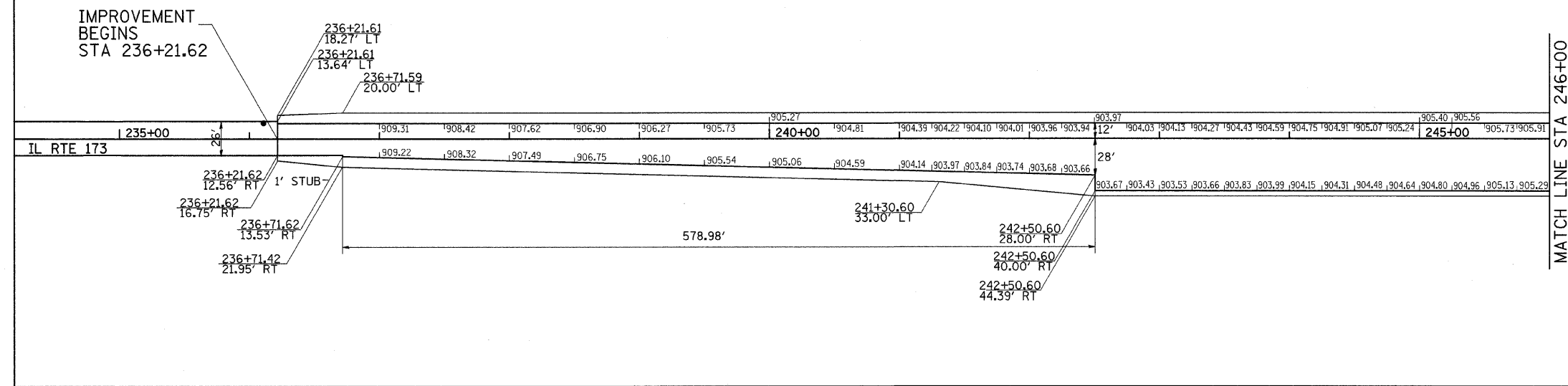


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	41

STA. 235+00 TO STA.261+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

\*(IL 173)

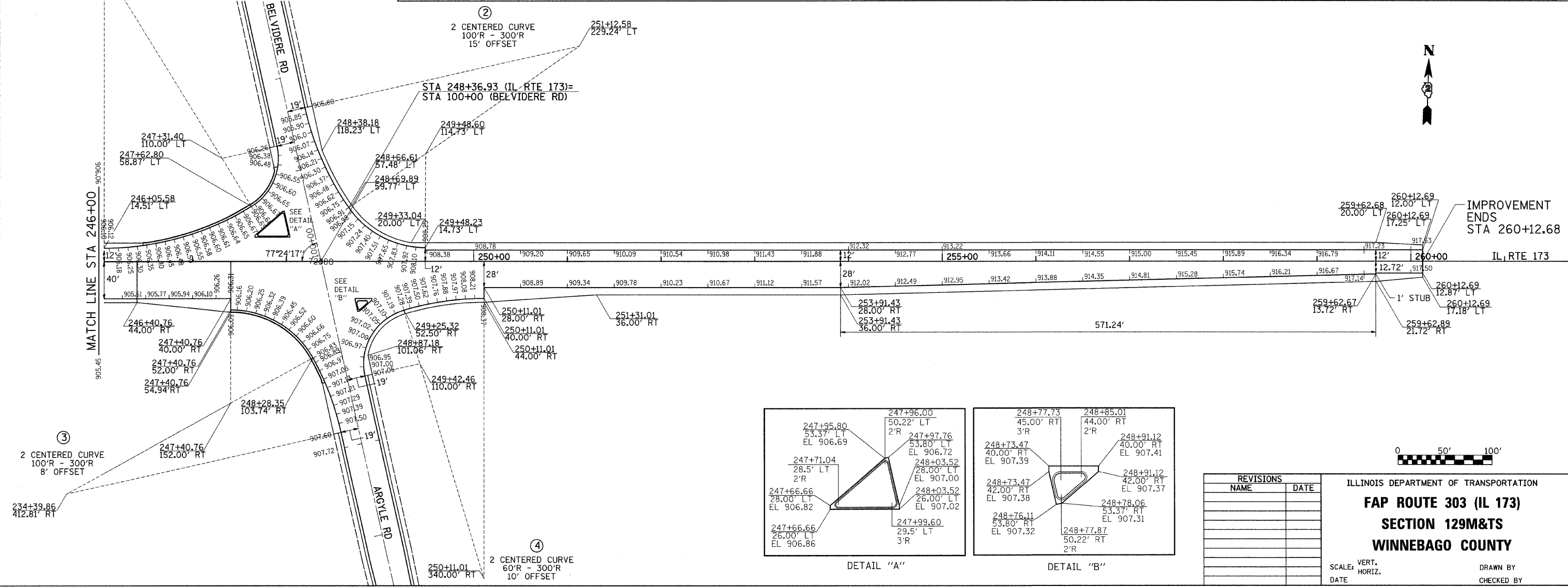
# PAVEMENT ELEVATIONS



MATCH LINE STA 246+00

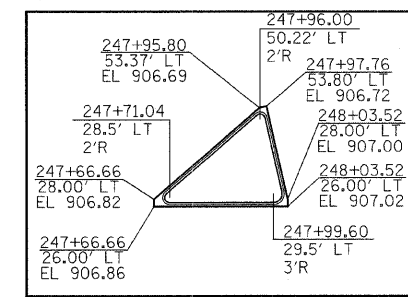
①  
 2 CENTERED CURVE  
 60'R - 300'R  
 35.5' OFFSET

②  
 2 CENTERED CURVE  
 100'R - 300'R  
 15' OFFSET

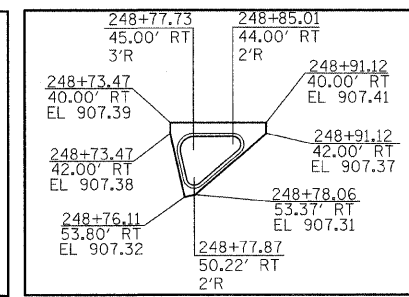


IMPROVEMENT ENDS  
 STA 260+12.68

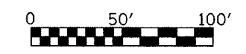
IL RTE 173



DETAIL "A"



DETAIL "B"



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FAP ROUTE 303 (IL 173)**  
**SECTION 129M&TS**  
**WINNEBAGO COUNTY**

SCALE: VERT. \_\_\_\_\_  
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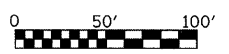
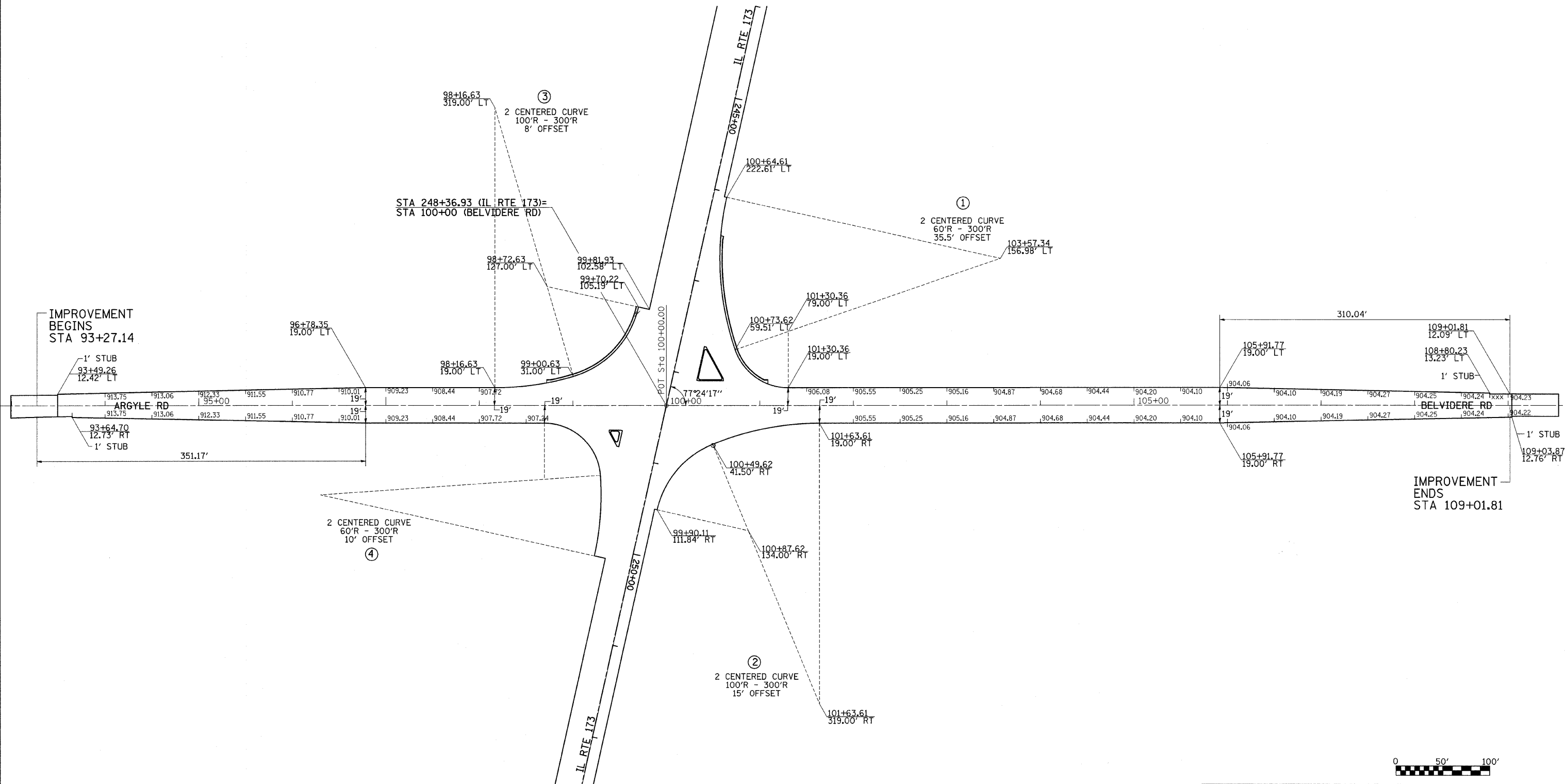
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# PAVEMENT ELEVATIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	42
STA. 93+00		TO STA.110+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

\*(IL 173)



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FAP ROUTE 303 (IL 173)**  
**SECTION 129M&TS**  
**WINNEBAGO COUNTY**

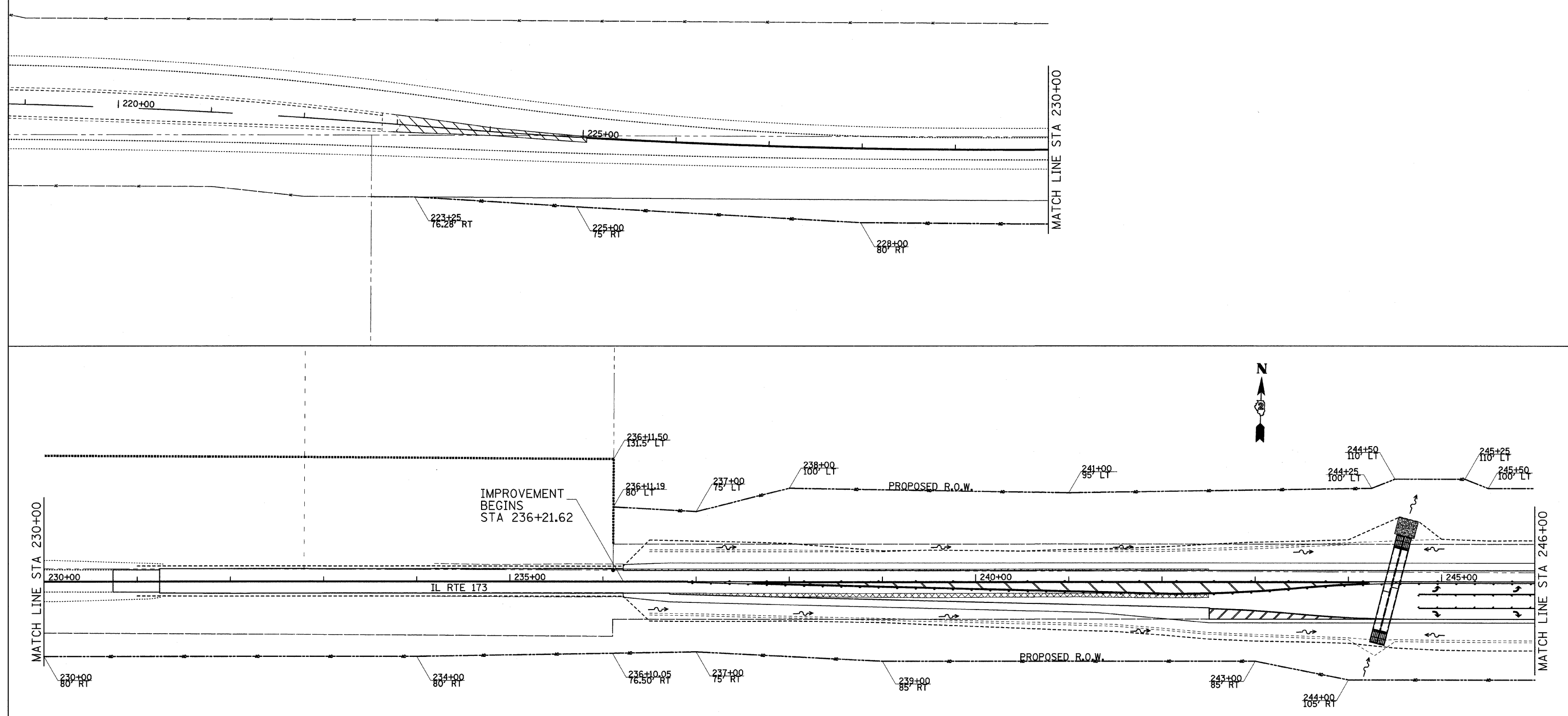
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# R.O.W. & EASEMENTS

CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	43
STA. 219+00		TO STA. 246+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

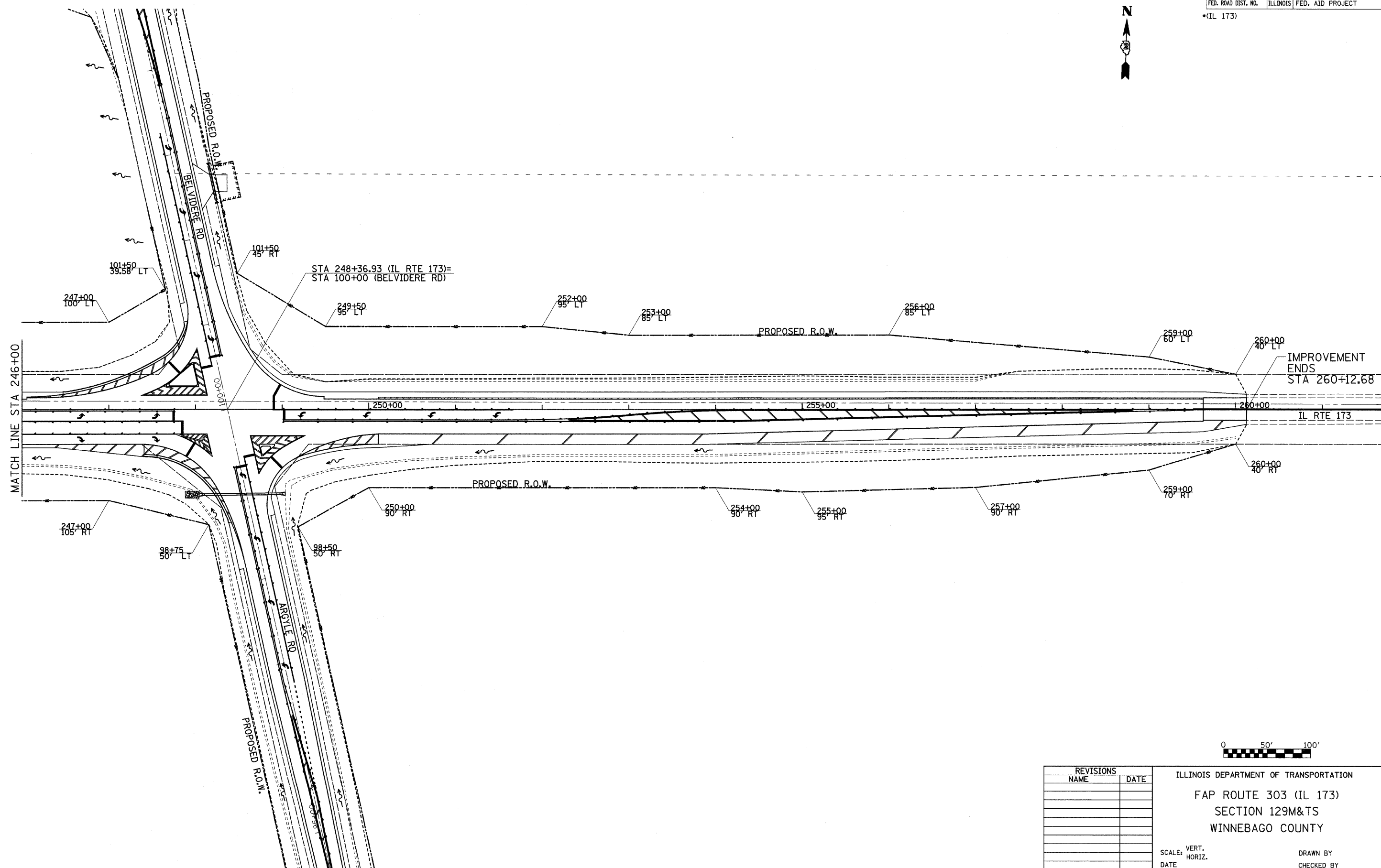
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DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
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## IL RTE 173 R.O.W. & EASEMENTS

# R.O.W. & EASEMENTS

CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	44
STA. 246+00		TO STA.261+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(IL 173)				



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

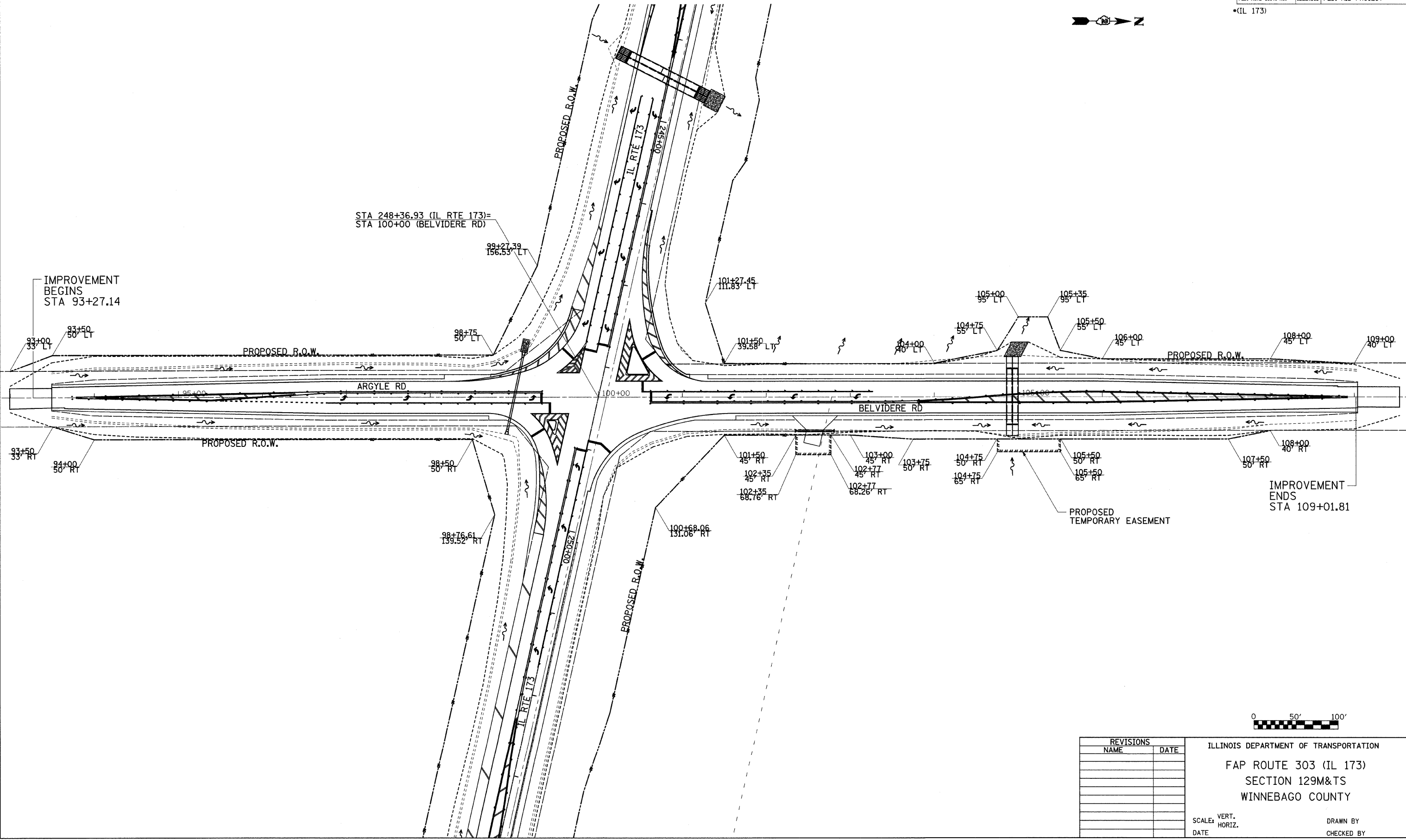
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DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

## IL RTE 173 R.O.W. & EASEMENTS

# R.O.W. & EASEMENTS

CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	45
STA. 93+00		TO STA.110+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(IL 173)				

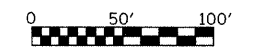


IMPROVEMENT  
BEGINS  
STA 93+27.14

STA 248+36.93 (IL RTE 173)=  
STA 100+00 (BELVIDERE RD)

IMPROVEMENT  
ENDS  
STA 109+01.81

PROPOSED  
TEMPORARY  
EASEMENT



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
FAP ROUTE 303 (IL 173)  
SECTION 129M&TS  
WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
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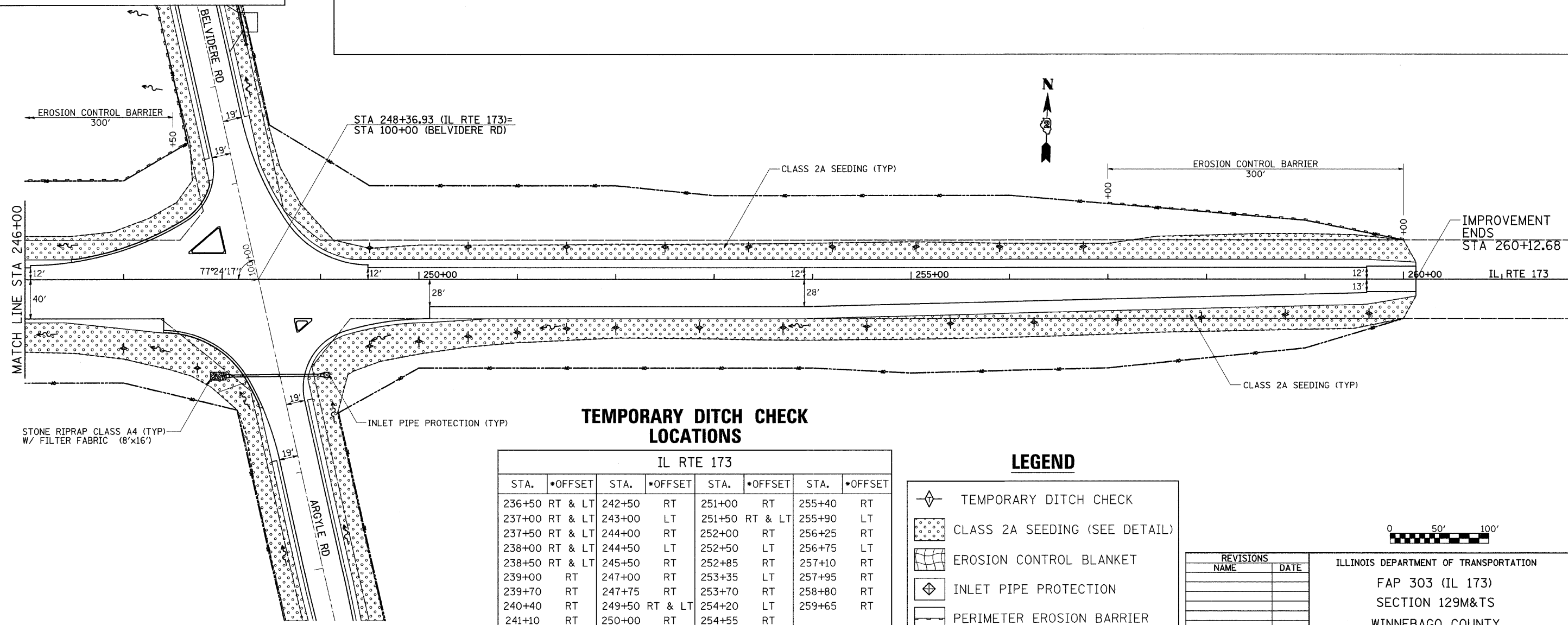
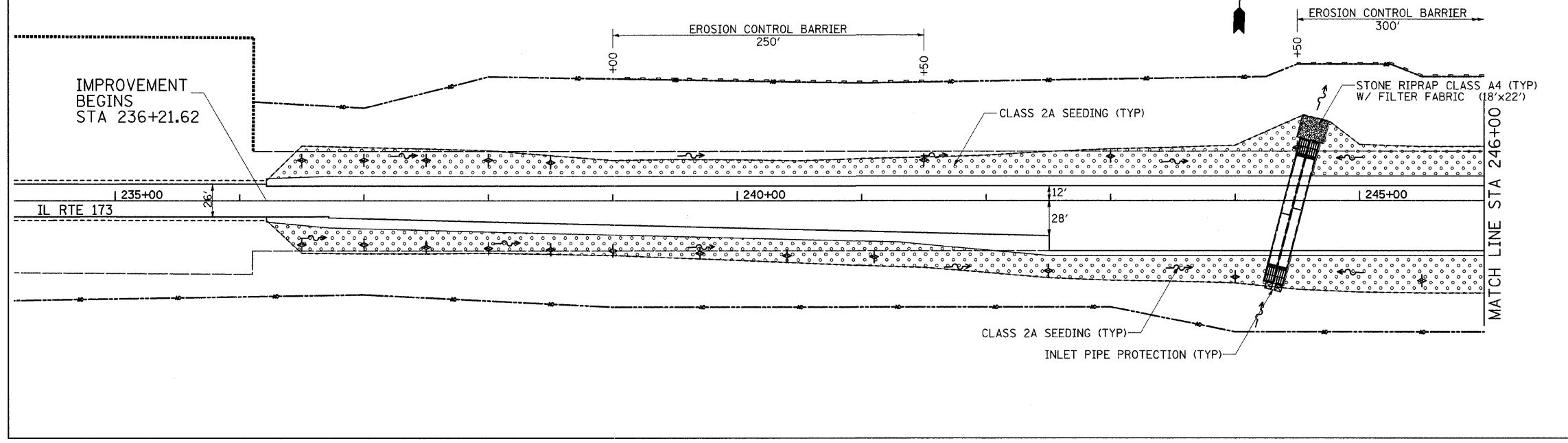
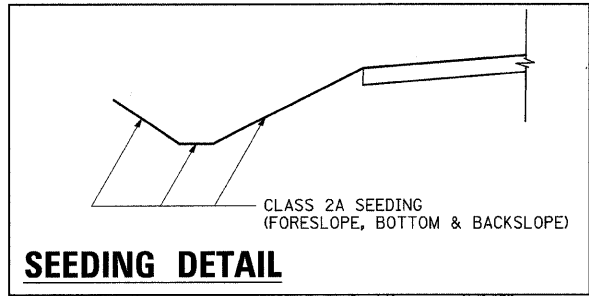
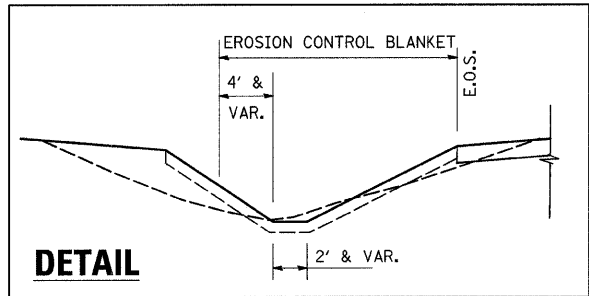
## ARGYLE RD & BELVIDERE RD R.O.W. & EASEMENTS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	46

STA. 235+00 TO STA. 261+00

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 (IL 173)

# EROSION CONTROL



## TEMPORARY DITCH CHECK LOCATIONS

IL RTE 173							
STA.	*OFFSET	STA.	*OFFSET	STA.	*OFFSET	STA.	*OFFSET
236+50	RT & LT	242+50	RT	251+00	RT	255+40	RT
237+00	RT & LT	243+00	LT	251+50	RT & LT	255+90	LT
237+50	RT & LT	244+00	RT	252+00	RT	256+25	RT
238+00	RT & LT	244+50	LT	252+50	LT	256+75	LT
238+50	RT & LT	245+50	RT	252+85	RT	257+10	RT
239+00	RT	247+00	RT	253+35	LT	257+95	RT
239+70	RT	247+75	RT	253+70	RT	258+80	RT
240+40	RT	249+50	RT & LT	254+20	LT	259+65	RT
241+10	RT	250+00	RT	254+55	RT		
241+50	LT	250+50	RT & LT	255+05	LT		

\* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS-SECTIONS)

## LEGEND

- TEMPORARY DITCH CHECK
- CLASS 2A SEEDING (SEE DETAIL)
- EROSION CONTROL BLANKET
- INLET PIPE PROTECTION
- PERIMETER EROSION BARRIER
- STONE RIPRAP CLASS A4

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

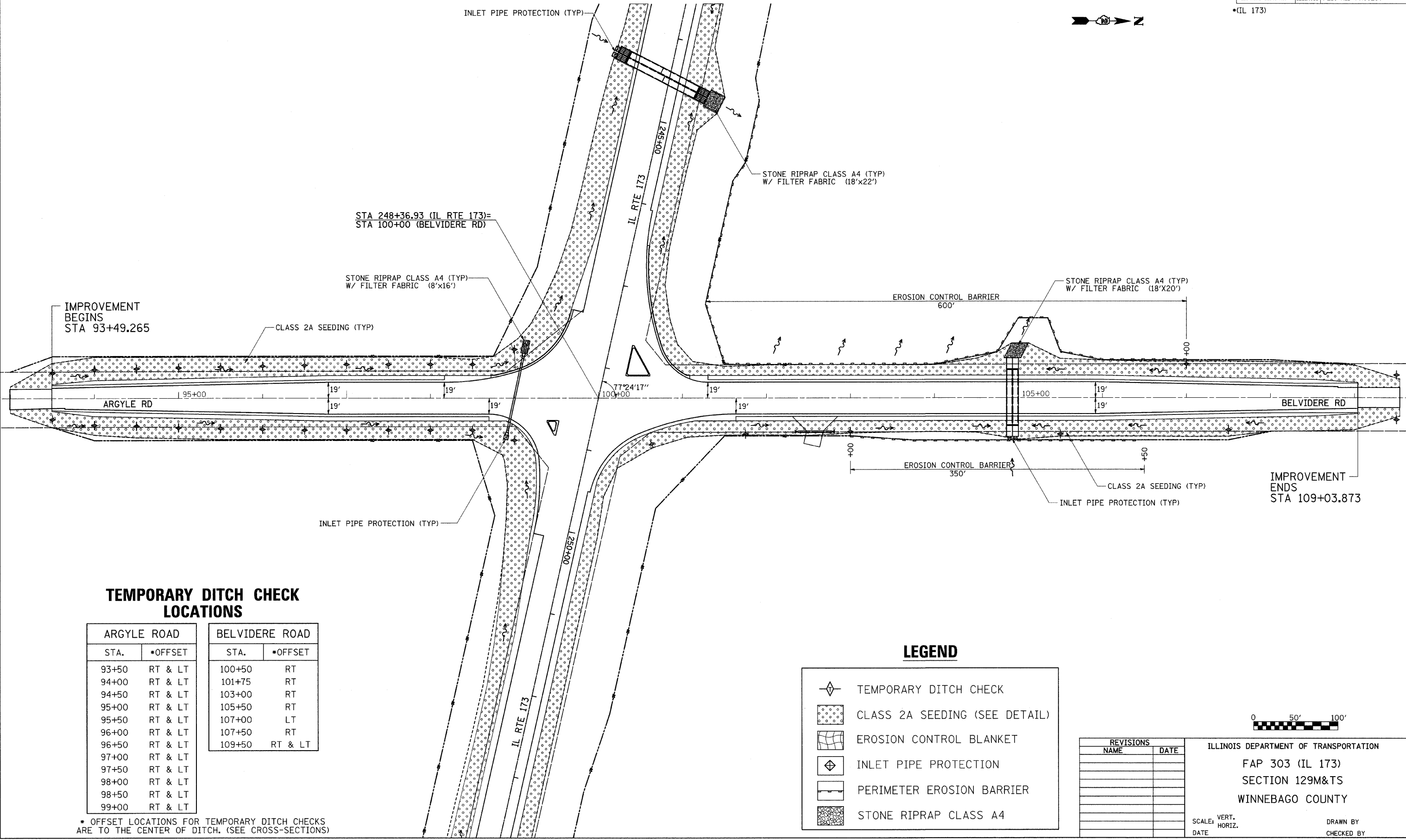
DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

## IL RTE 173 EROSION CONTROL

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 PLOT SCALE = 50.0000 / IN.  
 USER NAME = polizinej

# EROSION CONTROL

CONTRACT NO. 64051				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	47
STA. 93+00		TO STA.110+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
•(IL 173)				



### TEMPORARY DITCH CHECK LOCATIONS

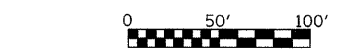
ARGYLE ROAD		BELVIDERE ROAD	
STA.	•OFFSET	STA.	•OFFSET
93+50	RT & LT	100+50	RT
94+00	RT & LT	101+75	RT
94+50	RT & LT	103+00	RT
95+00	RT & LT	105+50	RT
95+50	RT & LT	107+00	LT
96+00	RT & LT	107+50	RT
96+50	RT & LT	109+50	RT & LT
97+00	RT & LT		
97+50	RT & LT		
98+00	RT & LT		
98+50	RT & LT		
99+00	RT & LT		

\* OFFSET LOCATIONS FOR TEMPORARY DITCH CHECKS ARE TO THE CENTER OF DITCH. (SEE CROSS-SECTIONS)

### LEGEND

	TEMPORARY DITCH CHECK
	CLASS 2A SEEDING (SEE DETAIL)
	EROSION CONTROL BLANKET
	INLET PIPE PROTECTION
	PERIMETER EROSION BARRIER
	STONE RIPRAP CLASS A4

REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

## ARGYLE RD & BELVIDERE RD EROSION CONTROL

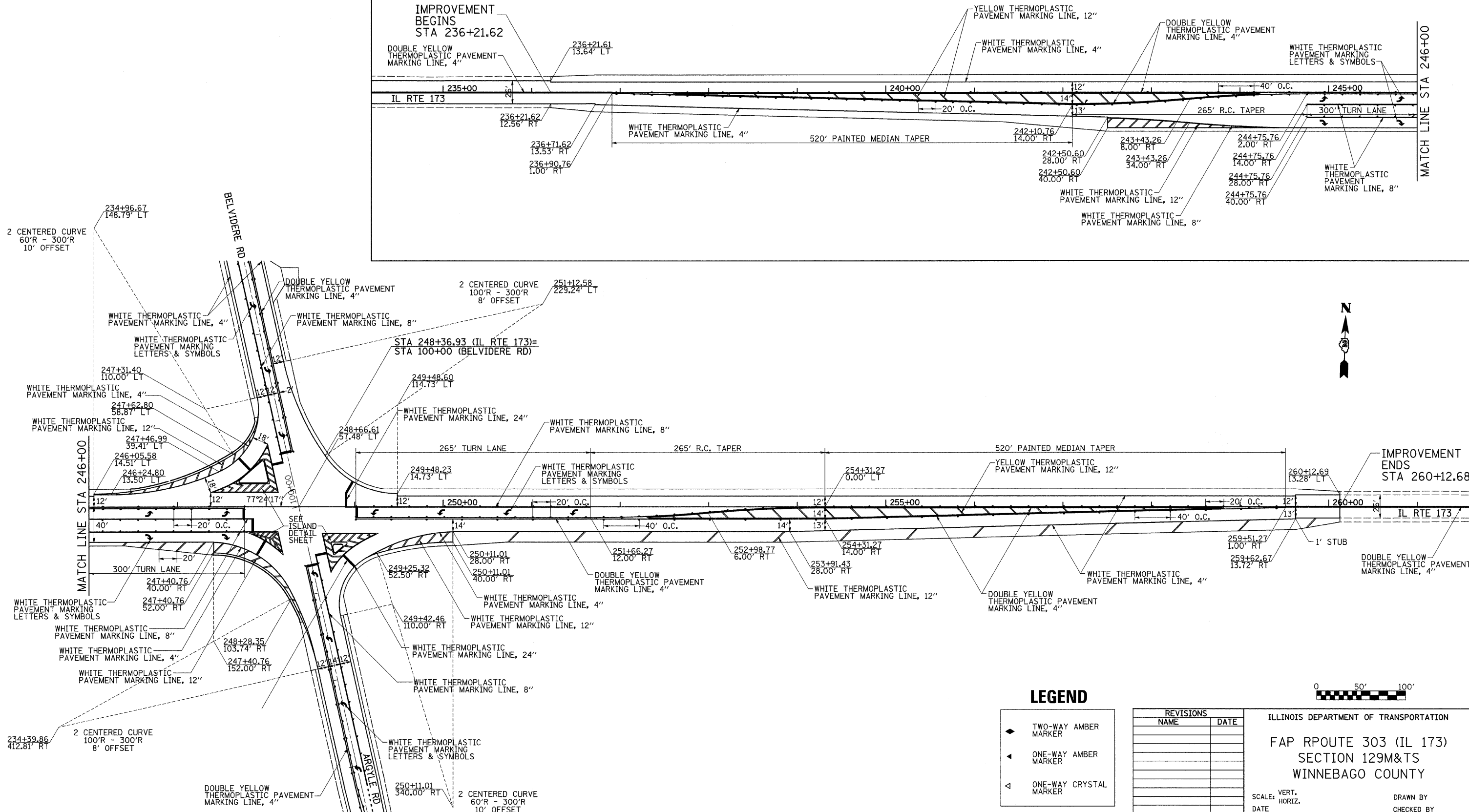
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# PAVEMENT MARKINGS

CONTRACT NO. 64051

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	48

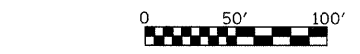
STA. 235+00 TO STA.261+00  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \*(IL 173)



## LEGEND

- ◀ TWO-WAY AMBER MARKER
- ◄ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER

REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP RROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

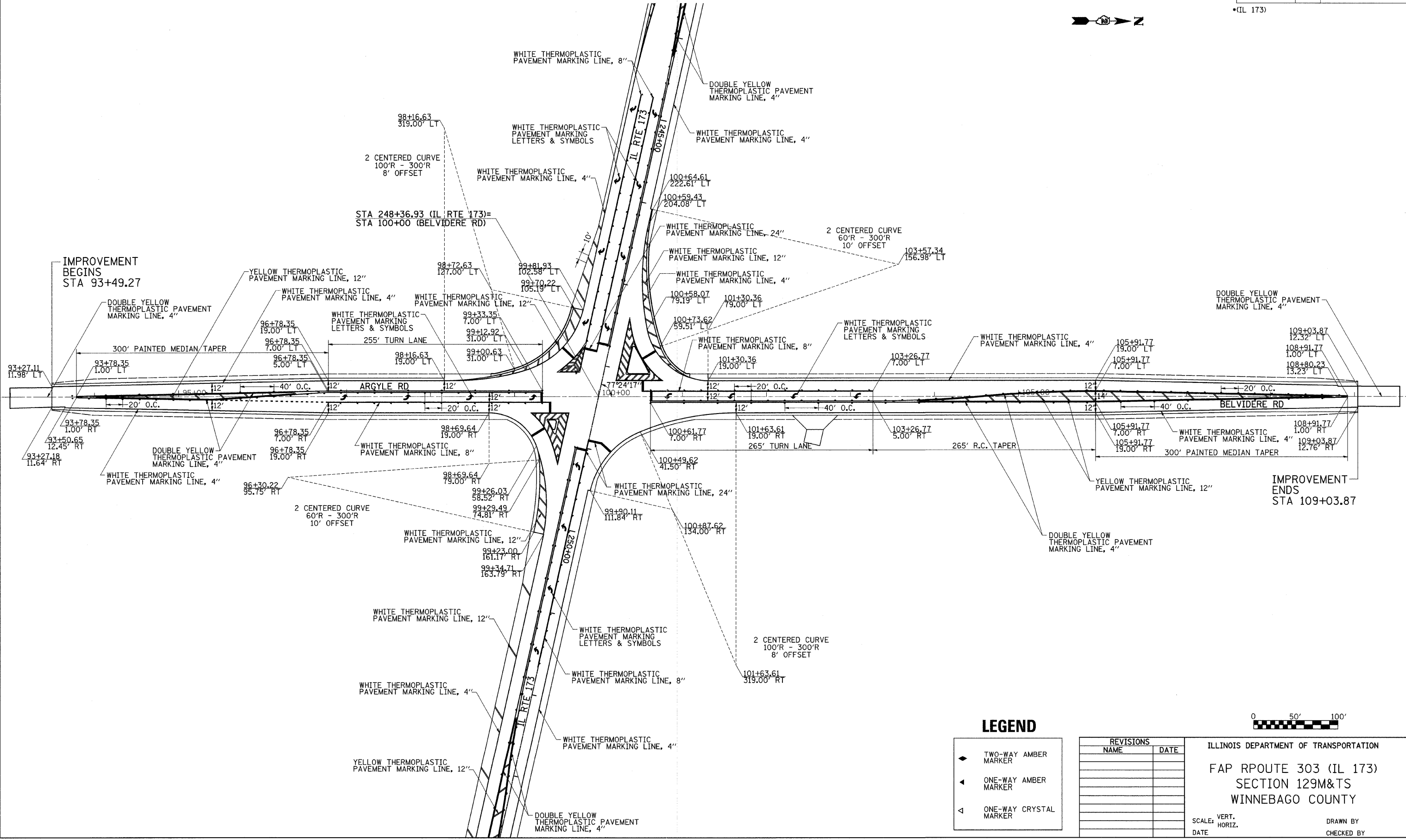
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 CHECKED BY \_\_\_\_\_

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 PLOT SCALE = 1/8" = 1'-0"  
 USER NAME = polzmaej



# PAVEMENT MARKINGS

CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	49
STA. 93+00		TO STA. 110+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = Mon Dec 03 13:33:12 2007  
 FILE NAME = c:\projects\207177\207177.dwg  
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 USER NAME = polzema

### LEGEND

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

REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

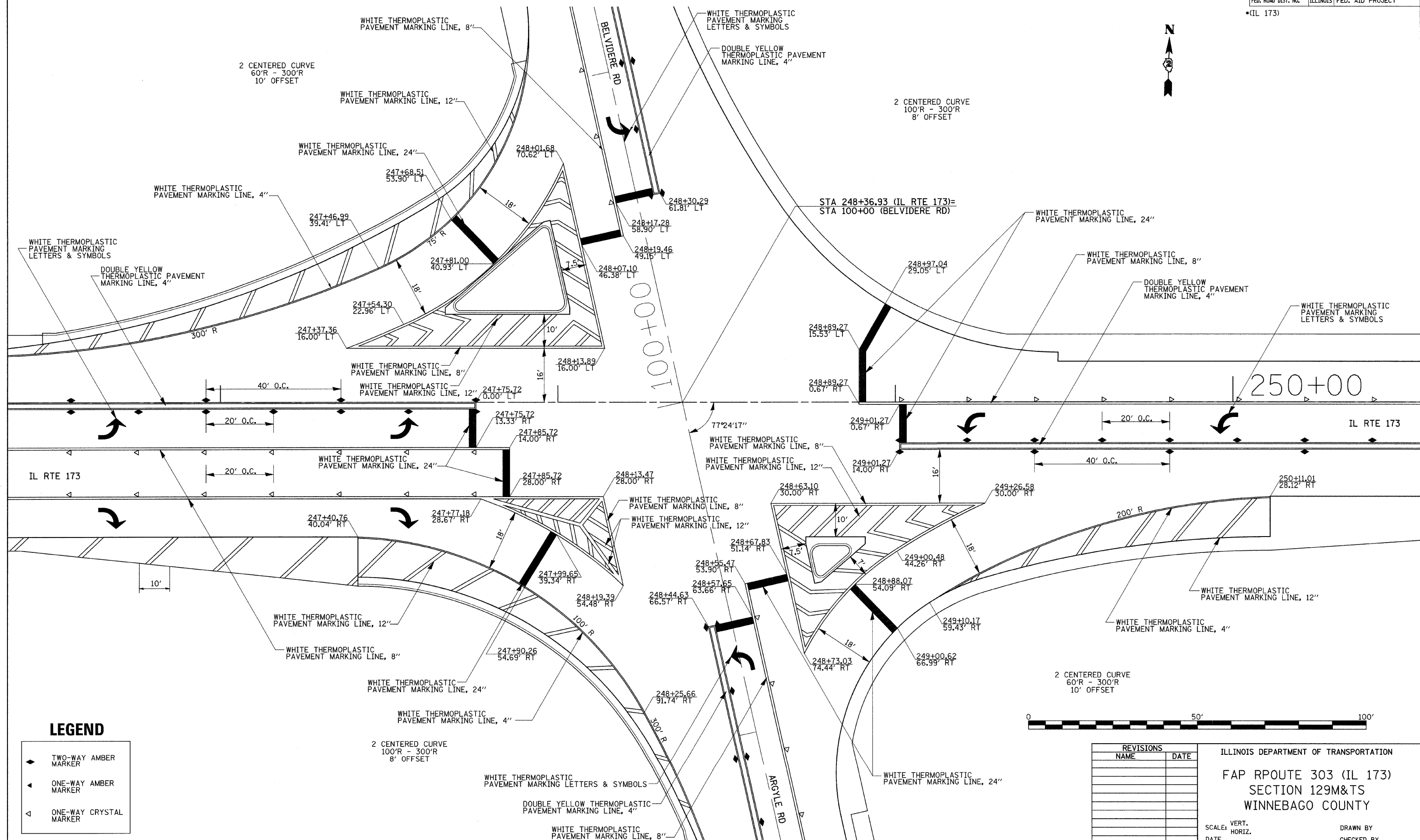
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 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

## ARGYLE RD & BELVIDERE RD PAVEMENT MARKINGS

# PAVEMENT MARKINGS

CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(IL 173)				



## LEGEND

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP RROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

## ISLAND DETAILS PAVEMENT MARKINGS

PLOT DATE = Mon Dec 03 13:53:13 2007  
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 USER NAME = polzinej

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	51
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

Summary of Quantities for IL 173 @ Belevidere Rd				
PAY CODE	ITEM	UNIT	TOTAL	
#2001386	CELLULAR MODEM	EACH	1	
72000100	SIGN PANEL TYPE I	SQ FT	12	
72000200	SIGN PANEL TYPE II	SQ FT	18	
80501000	SERVICE INSTALLATION (SPECIAL)	EACH	1	
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5	
81400710	HEAVY-DUTY HANDHOLE PORTLAND CEMENT CONCRETE	EACH	2	
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10	FOOT	1966	
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4	
82500605	LIGHTING CONTROLLER PHOTOCCELL RELAY	EACH	1	
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1892	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	2640	
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3C	FOOT	55	
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	4	
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT	EACH	4	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3	
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER (4@19.5')	FOOT	78	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8	
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5	
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	
88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	12	
X0323153	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FOOT	585	
X0324887	CONDUIT INSTALLED, 2 1/2" DIA., NON-METALLIC	FOOT	208	
X0324888	CONDUIT INSTALLED, 4" DIA., NON-METALLIC	FOOT	439	
X0325335	CONDUIT INSTALLED, 1 1/2" DIA., NON-METALLIC	FOOT	47	
XX003163	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1	
XX003165	VIDEO CAMERA DETECTOR SYSTEM	EACH	1	
XX006661	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1	

PLOT DATE = Mon Dec 03 09:46:05 2007  
 FILE NAME = c:\p\o\mca\228787\dr9787.dwg  
 PLOT SCALE = 200/0.000 / IN.  
 USER NAME = polzanej

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		FAP ROUTE 303 (IL 173) SECTION 129M&TS WINNEBAGO COUNTY
SCALE: VERT.      DRAWN BY		
DATE                HORIZ.          CHECKED BY		















**TABULATION OF SIGNAL QUANTITIES**

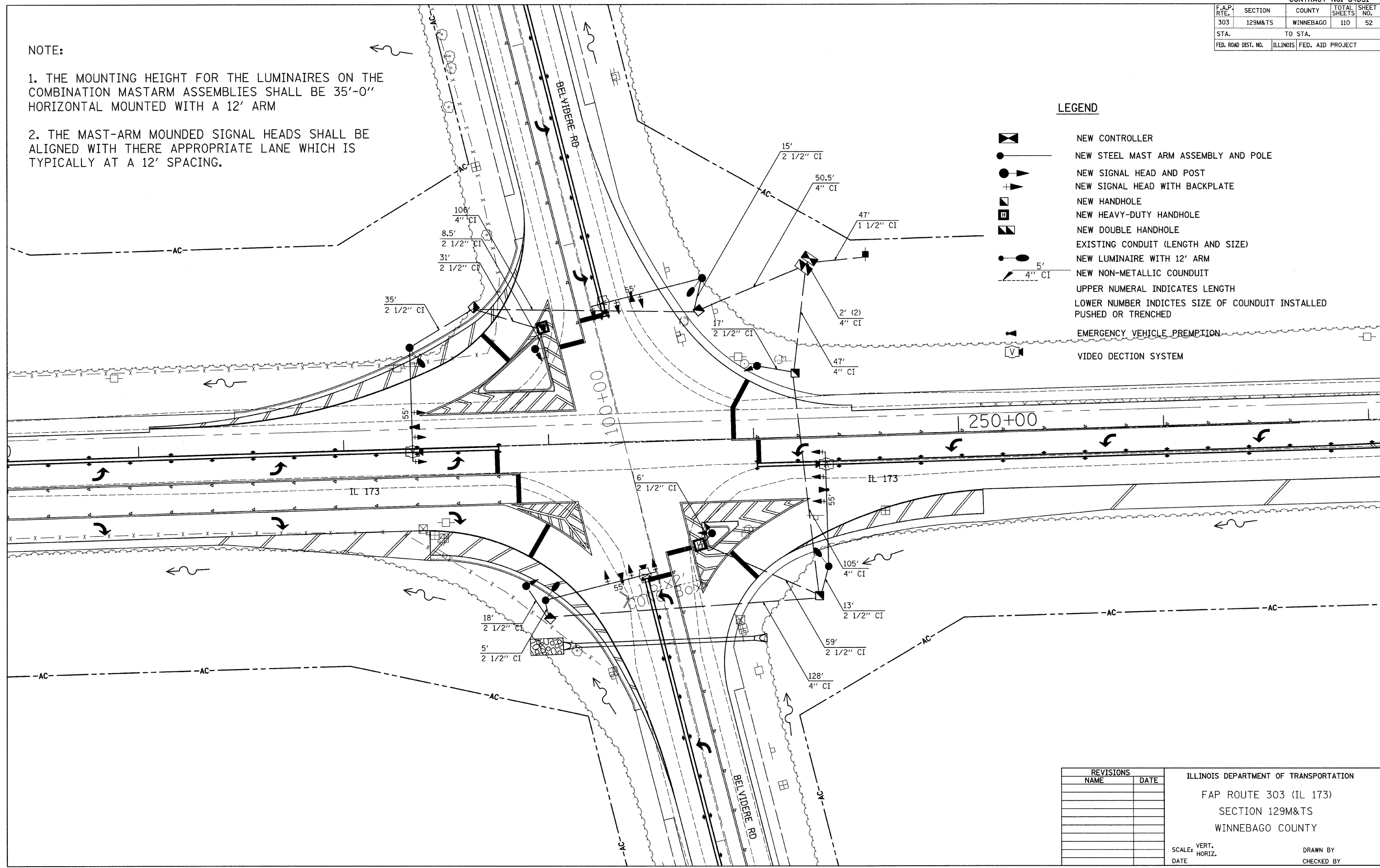
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	52
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

NOTE:

1. THE MOUNTING HEIGHT FOR THE LUMINAIRES ON THE COMBINATION MASTARM ASSEMBLIES SHALL BE 35'-0" HORIZONTAL MOUNTED WITH A 12' ARM
2. THE MAST-ARM MOUNDED SIGNAL HEADS SHALL BE ALIGNED WITH THERE APPROPRIATE LANE WHICH IS TYPICALLY AT A 12' SPACING.

LEGEND

-  NEW CONTROLLER
-  NEW STEEL MAST ARM ASSEMBLY AND POLE
-  NEW SIGNAL HEAD AND POST
-  NEW SIGNAL HEAD WITH BACKPLATE
-  NEW HANDHOLE
-  NEW HEAVY-DUTY HANDHOLE
-  NEW DOUBLE HANDHOLE
-  EXISTING CONDUIT (LENGTH AND SIZE)
-  NEW LUMINAIRE WITH 12' ARM
-  NEW NON-METALLIC CONDUIT
-  UPPER NUMERAL INDICATES LENGTH
-  LOWER NUMBER INDICATES SIZE OF CONDUIT INSTALLED PUSHED OR TRENCHED
-  EMERGENCY VEHICLE PREEMPTION
-  VIDEO DETECTION SYSTEM



PLOT DATE = Mon Dec 03 09:46:06 2007  
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 USER NAME = polzamej

REVISIONS	
NAME	DATE

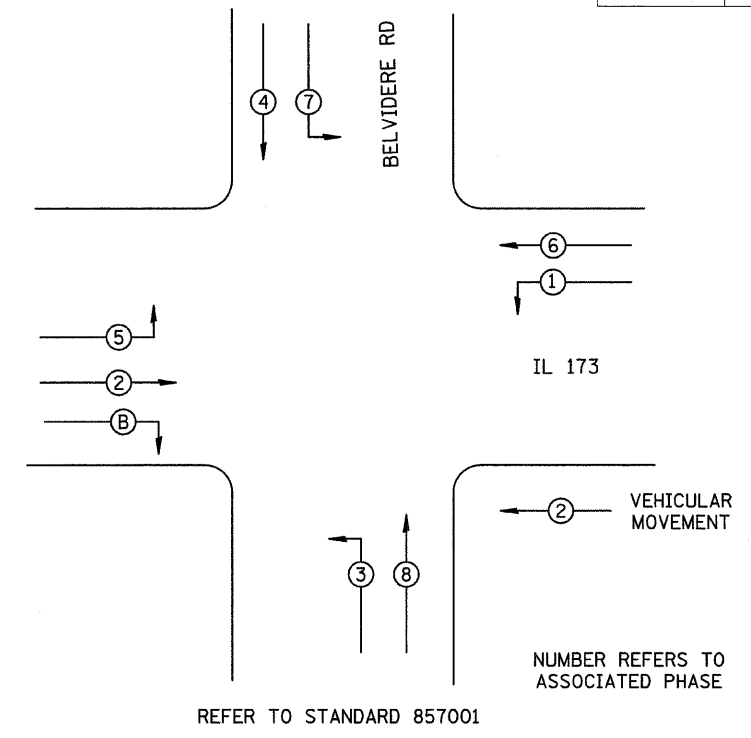
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAP ROUTE 303 (IL 173)  
 SECTION 129M&TS  
 WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	53
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

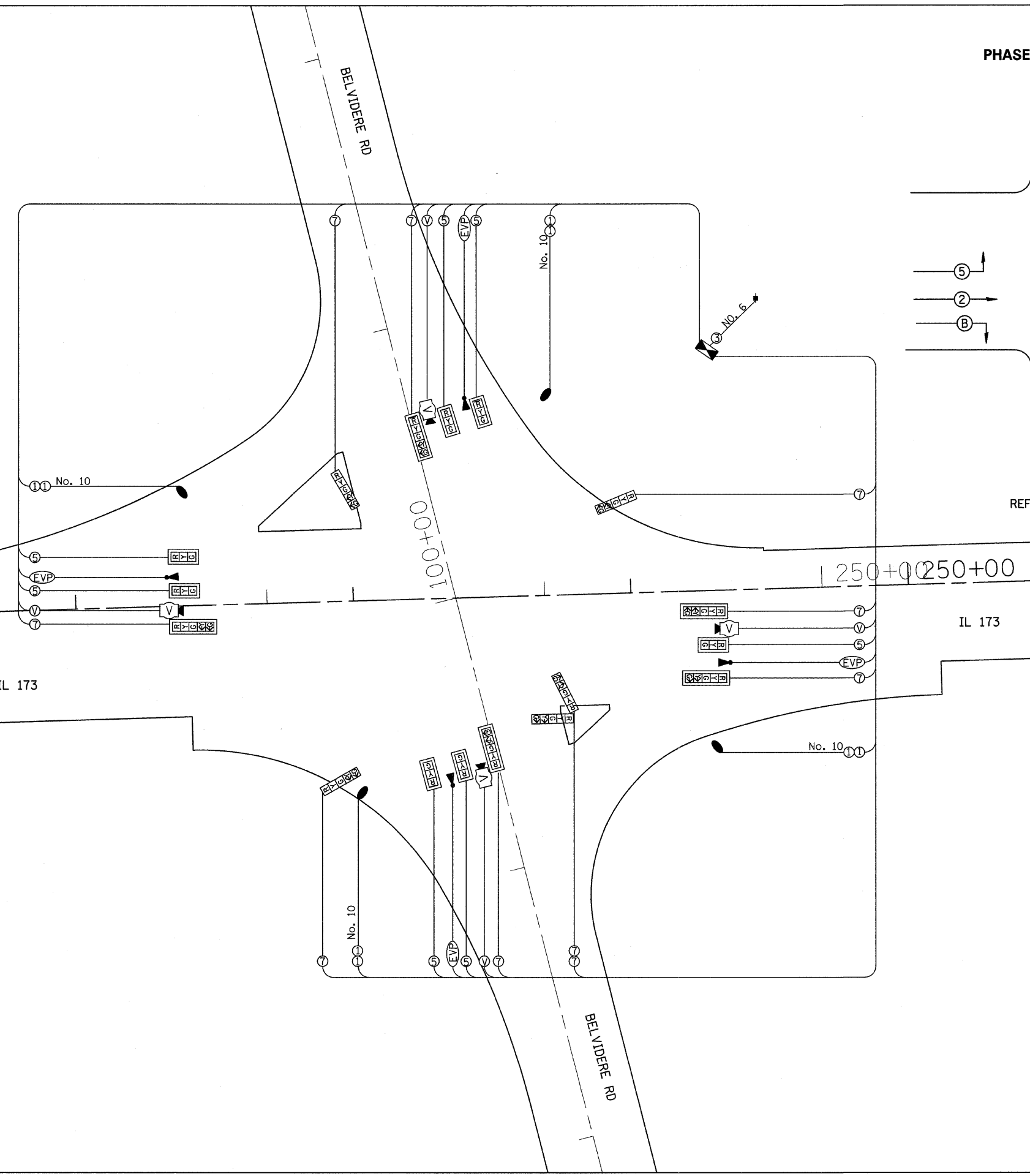
PHASE DESIGNATION DIAGRAM



- LEGEND
- ② INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED.
  - |   |
|---|
| R |
| Y |
| G |

 NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE
  - LUMINAIRE, 400 WATT
  - ▲ EMERGENCY VEHICLE PREMPTION
  - |   |
|---|
| V |
|---|

 VIDEO DETECTION SYSTEM



DETECTOR ASSIGNMENT		
DETECTOR	PHASE NO.	DIRECTION
A	8	WB FAR ADVANCE
B	8	WB MID ADVANCE
C	8	WB PRESENT
D	3	WB LEFT
E	4	EB FAR ADVANCE
F	4	EB MID ADVANCE
G	4	EB PRESENT
H	7	EB LEFT
I	2	NB FAR ADVANCE
J	2	NB MID ADVANCE
K	2	NB PRESENT
L	5	NB LEFT
M	6	SB FAR ADVANCE
N	6	SB MID ADVANCE
O	6	SB PRESENT
P	1	SB LEFT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAP ROUTE 303 (IL 173)

SECTION 129M&TS

WINNEBAGO COUNTY

SCALE: VERT. \_\_\_\_\_

HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

DRAWN BY \_\_\_\_\_

CHECKED BY \_\_\_\_\_

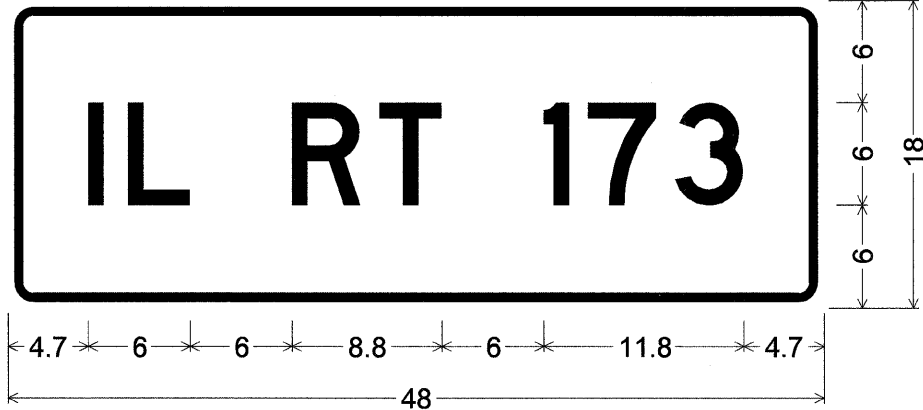
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 USER NAME = polzamej

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	54
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



1.5" Radius, 0.5" Border, 0.4" Indent, White on Green;  
 [BELVIDERE RD] D;  
 Table of letter and object lefts.

B	E	L	V	I	D	E	R	E	R	D
7.5	12.9	17.7	21.7	27.4	29.7	35.2	39.9	45.4	55.0	60.5

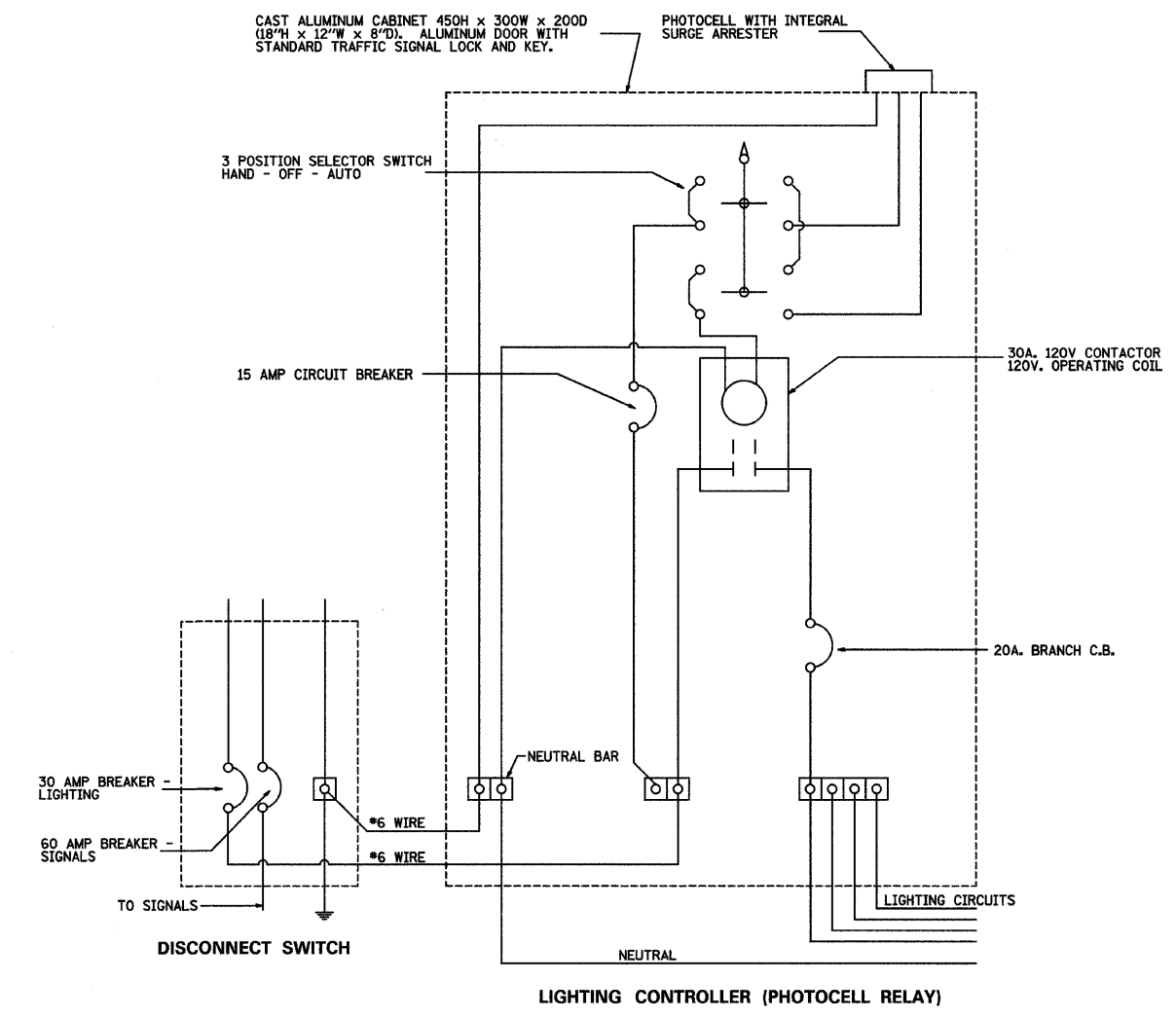
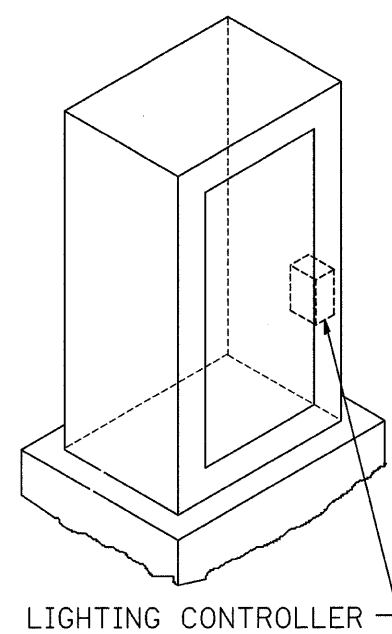
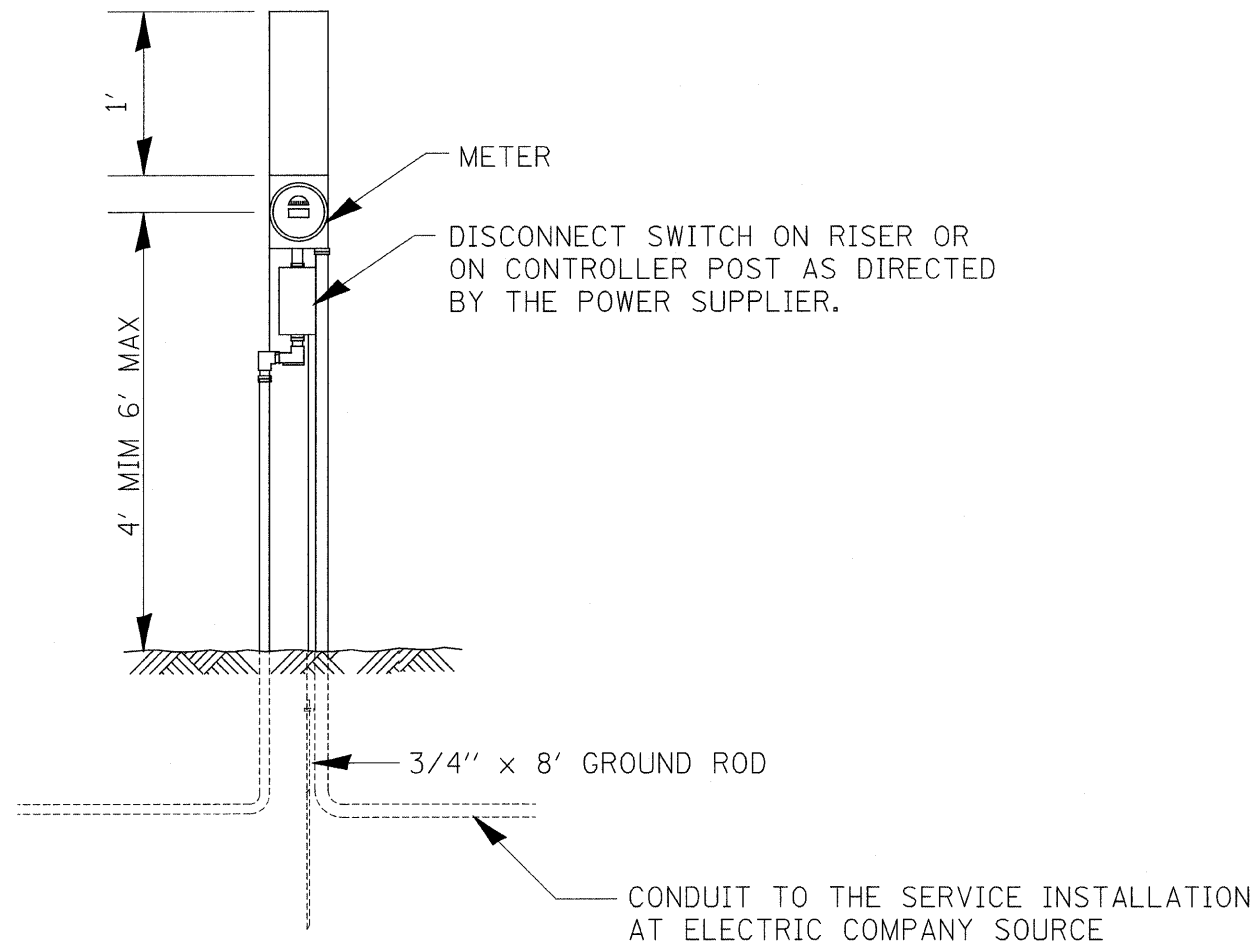


1.5" Radius, 0.5" Border, 0.4" Indent, White on Green;  
 [IL RT 173] D;  
 Table of letter and object lefts.

I	L	R	T	1	7	3
4.7	7.1	16.7	21.9	31.5	34.1	39.3

PLOT DATE = Mon Dec 03 09:46:06 2007  
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 USER NAME = polzma

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		
		FAP ROUTE 303 (IL 173)	
		SECTION 129M&TS	
		WINNEBAGO COUNTY	
		SCALE: VERT.	DRAWN BY
		DATE: HORIZ.	CHECKED BY



ELECTRIC SERVICE INSTALLATION, SPECIAL  
 (SEE SPECIAL PROVISIONS)  
 (DETAIL ONLY SHOW GENERAL SERVICE  
 WHICH VARIES BY PROVIDERS)

PLOT DATE = Mon Dec 03 09:46:06 2007  
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 USER NAME = polzinej

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION FAP ROUTE 303 (IL 173) SECTION 129M&TS WINNEBAGO COUNTY
NAME	DATE	
		SCALE: VERT. HORIZ. DATE
DRAWN BY		CHECKED BY

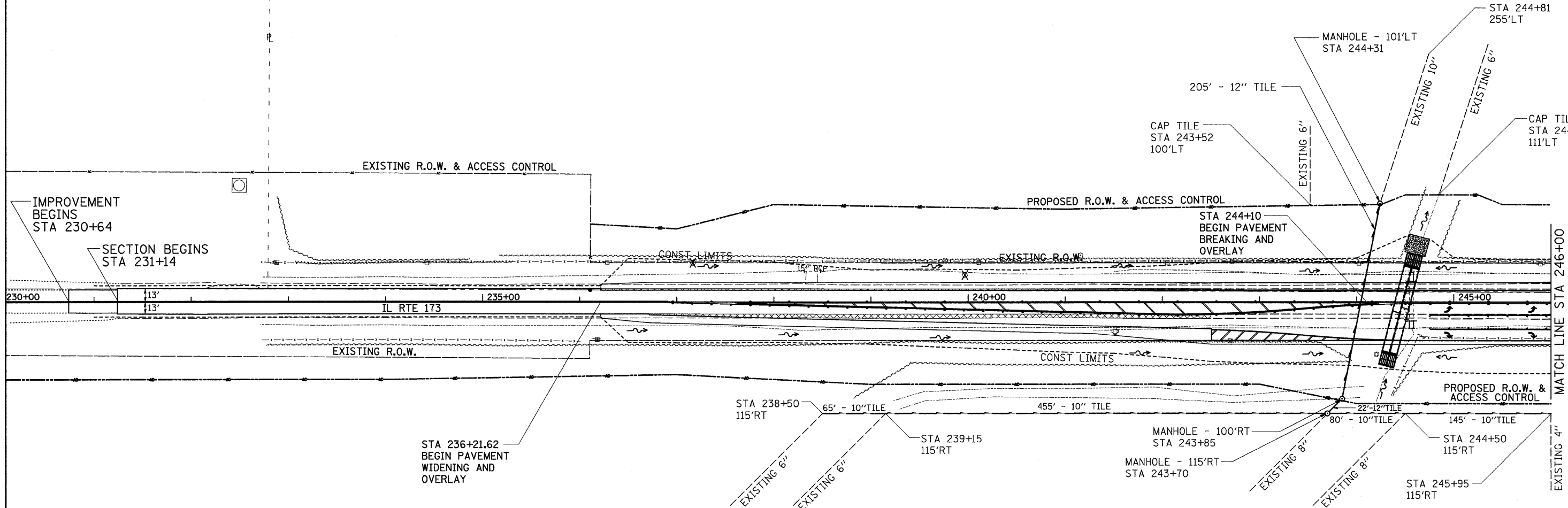
CONTRACT NO. 64051					
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
+303	129M&TS	WINNEBAGO	110	56	
STA. TO STA.					
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		
•(IL 173)					



TURNER EQUIPMENT SALES

RUBERT &  
MURIEL BROWN

ROBERT & MURIEL  
BROWN



WAYNE & ROGER GREENLEE

WAYNE & ROGER  
GREENLEE

LEGEND

- DIRECTIONAL FLOW ARROW
- REMOVAL
- TREE REMOVAL

- IDOT PROPOSED REPLACEMENT
- PROPERTY OWNER PROPOSED REPLACEMENT

REVISIONS	
NAME	DATE

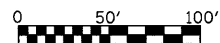
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FAP 303 (IL 173)**  
**SECTION 129M&TS**  
**WINNEBAGO COUNTY**

SCALE: VERT.  
DATE:       HORIZ.

DRAWN BY  
CHECKED BY

**FIELD TILE DETAIL**  
**IL 173**

PLOT DATE = Mon, Dec 03, 14:02:32, 2007  
FILE NAME = c:\pcc\pccs\p207\173\d891877\tdtd.dgn  
PLOT SCALE = 62.941 / 1 IN.  
USER NAME = polzamej





ARTHUR W. & ETHALL ANDERSON



ROBERT & MURIEL BROWN

STA 248+36.93 (IL RTE 173)=  
STA 100+00 (BELVIDERE RD)

SECTION ENDS  
STA 259+62.68

IMPROVEMENT ENDS  
STA 260+12.68  
EXISTING R.O.W.

MATCH LINE STA 246+00

PROPOSED R.O.W. & ACCESS CONTROL

STA 250+11  
END PAVEMENT  
BREAKING AND  
BEGIN OVERLAY

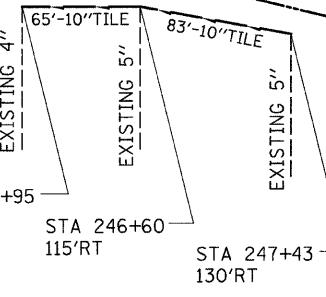
CONST LIMITS

IL RTE 173

EXISTING R.O.W.

CONST LIMITS

PROPOSED R.O.W. & ACCESS CONTROL



WAYNE & ROGER GREENLEE

MARHALL L. BERG

LEGEND

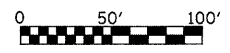
- DIRECTIONAL FLOW ARROW
- REMOVAL
- TREE REMOVAL

PROPERTY OWNER PROPOSED REPLACEMENT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FAP 303 (IL 173)**  
**SECTION 129M&TS**  
**WINNEBAGO COUNTY**

SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

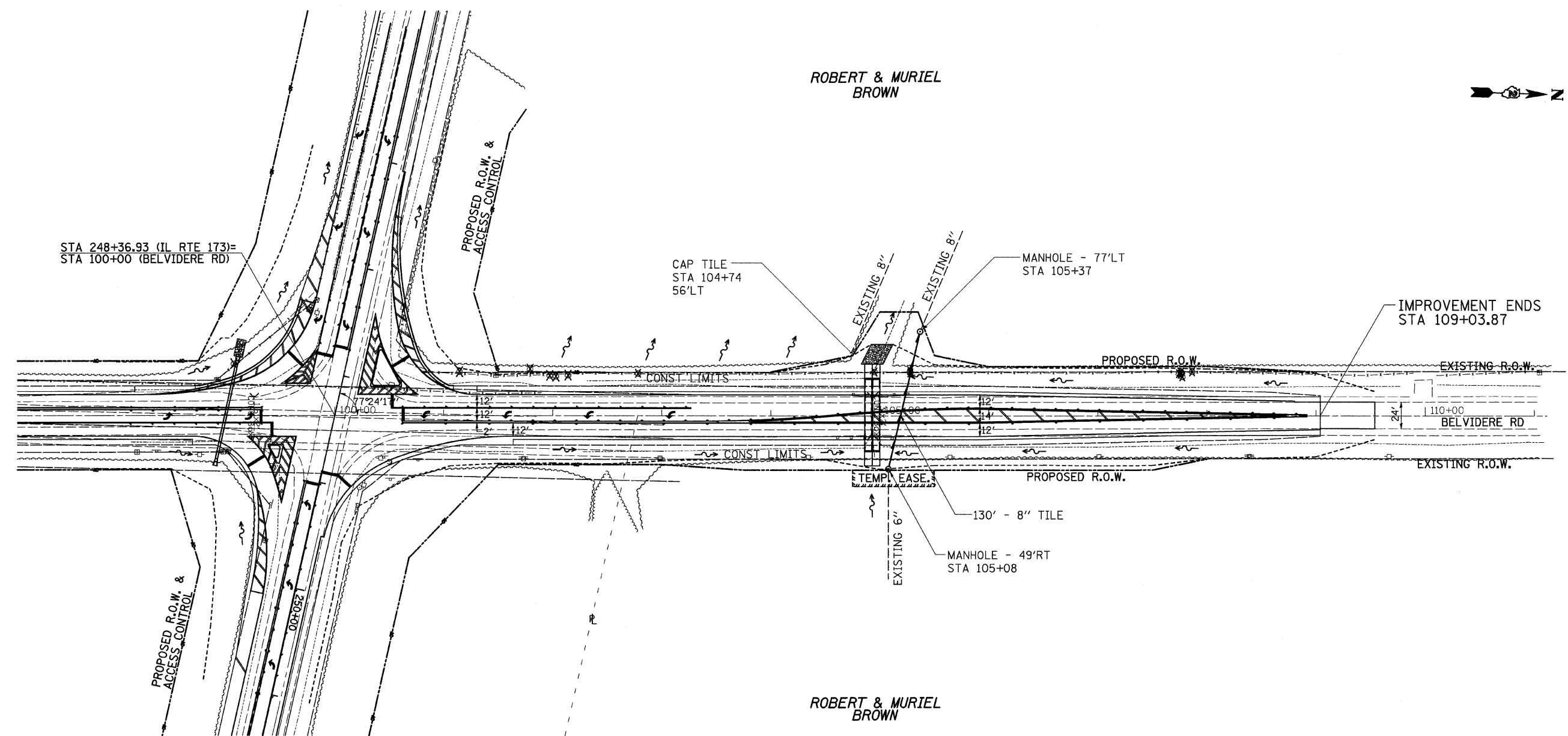


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USER NAME = polzinej

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	58

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

\*(IL 173)



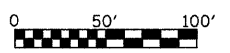
LEGEND

- DIRECTIONAL FLOW ARROW
- REMOVAL
- TREE REMOVAL

IDOT PROPOSED REPLACEMENT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**FAP 303 (IL 173)**  
**SECTION 129M&TS**  
**WINNEBAGO COUNTY**  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_



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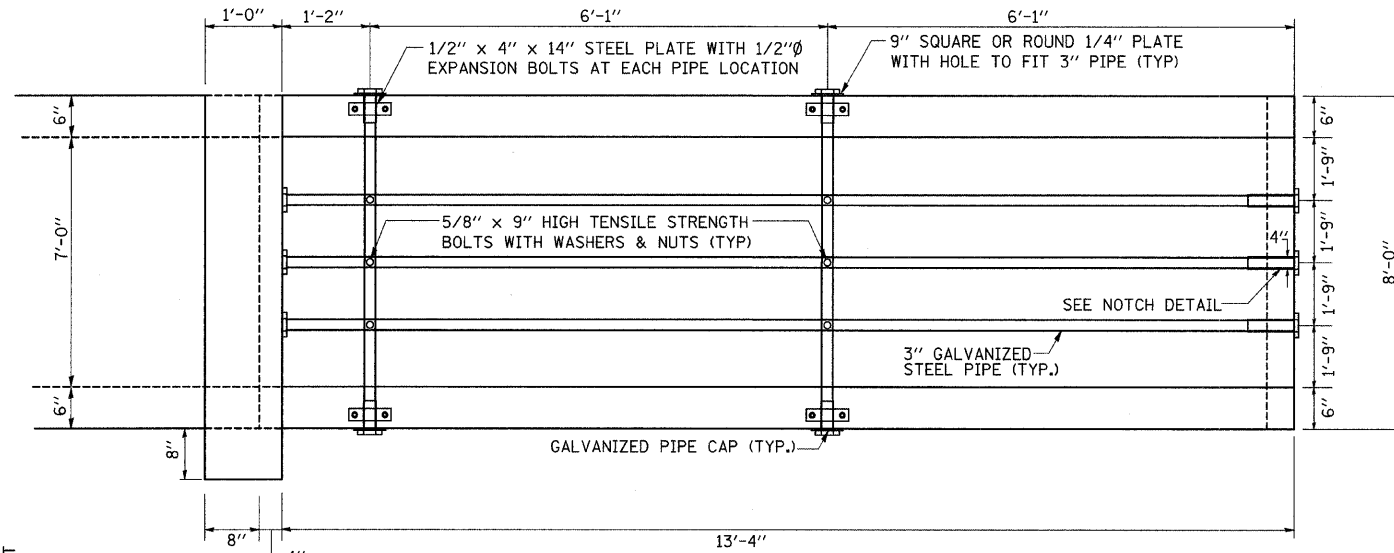
**FIELD TILE DETAIL**  
**BELVIDERE ROAD**

# GRATED CULVERT EXTENSION NO. 1

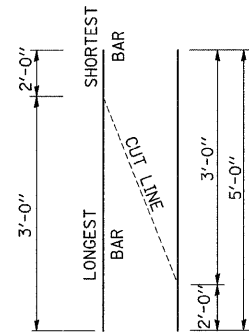
STA. 244 + 35 RT & STA. 244 + 57 LT.

F.A.P. RTE. #303		SECTION 129M&TS	COUNTY WINNEBAGO	TOTAL SHEETS 110	SHEET NO. 59
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

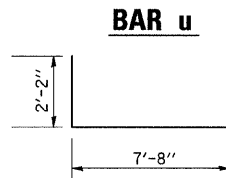
CONTRACT NO. 64D51  
\*(IL 173)



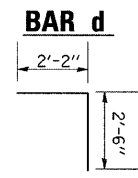
**PLAN VIEW**



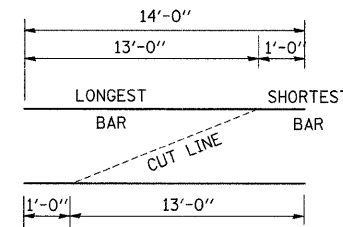
**BAR v CUT DIAGRAM**



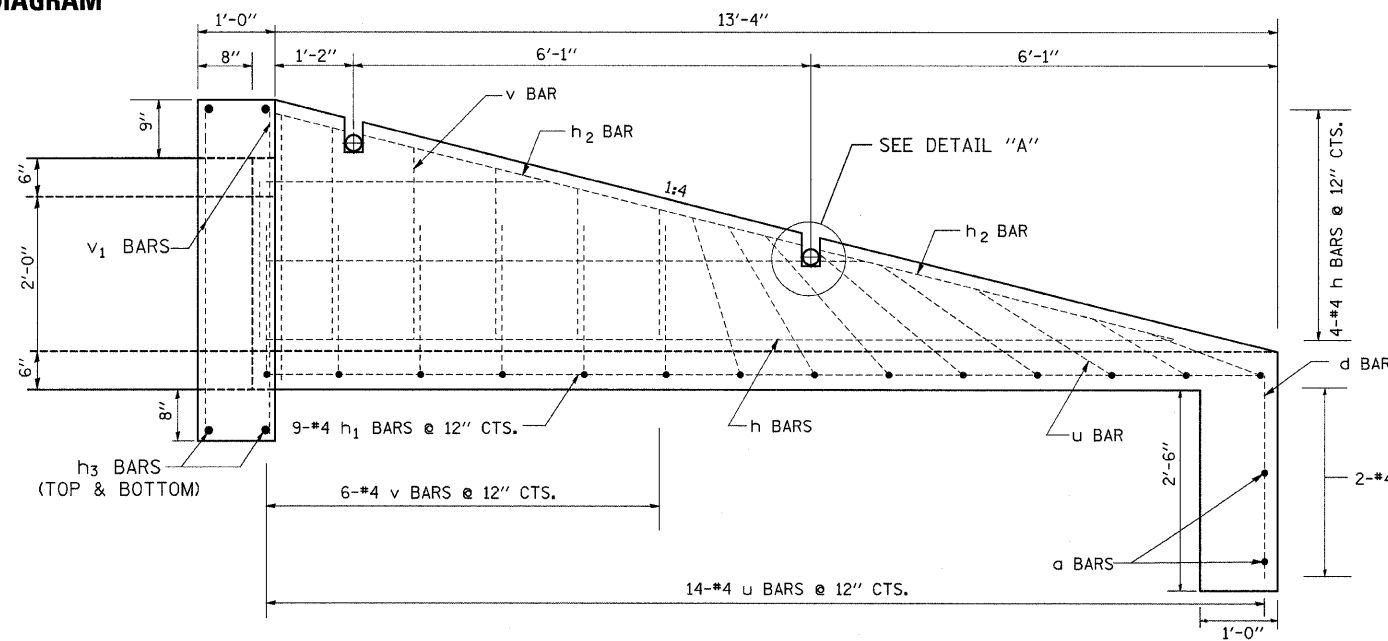
**BAR u**



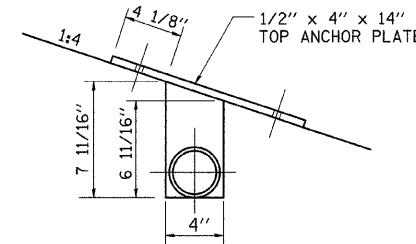
**BAR d**



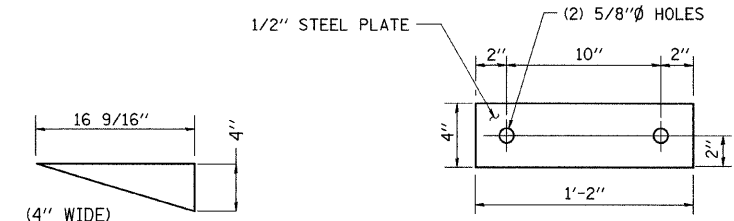
**BAR h CUT DIAGRAM**



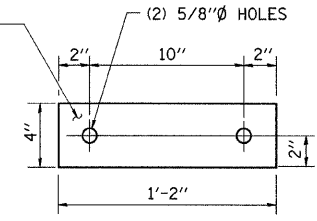
**PROFILE VIEW**



**DETAIL "A"**



**NOTCH DETAIL**



**TOP ANCHOR PLATE**

### \*CONNECTION COLLAR BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE	
h3	4	4	17'-3"	—	
v1	8	4	4'-1"	—	
DESCRIPTION				UNIT	QTY
CLASS "SI" CONCRETE				CU YD	1.2
REINFORCEMENT BARS				LB	67.9

\*FOR INFORMATIONAL PURPOSES ONLY. COST TO BE INCLUDED IN THE BID ITEM "PRECAST CONCRETE BOX CULVERT 7'x2' "

### \*\*GRATED CULVERT EXTENSION, NO. 1 BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE	LBS
a	2	4	7'-8"	—	10.2
d	9	4	4'-8"	┌	28.1
h	4	4	14'-0"	—	37.4
h1	9	4	13'-4"	—	80.2
h2	4	4	5'-8"	—	15.1
v	6	4	5'-0"	—	20.0
u	14	4	12'-0"	┌	112.2
TOTAL					303.2
DESCRIPTION				UNIT	QTY
CLASS "SI" CONCRETE				CU YD	3.5
REINFORCEMENT BARS				LB	303.2
3" I.D. GALVANIZED STEEL PIPE				2 @	8'-4"
				3 @	13'-6"
3" GALV. PIPE CAPS				EACH	10
1/4" GALV. STEEL PLATE (9" NORMAL)				EACH	4
1/2"x4"x14" GALV. STEEL PLATES				EACH	4
5/8"x9" GALV. STEEL BOLTS				EACH	6
EXPANSION BOLTS 1/2"				EACH	8

\*\* QUANTITIES GIVEN ARE FOR EACH BOX CULVERT END SECTION FOR INFORMATIONAL PURPOSES ONLY. COST TO BE INCLUDED IN THE BID ITEM "GRATED CULVERT EXTENSION, NO. 1.

### GENERAL NOTES:

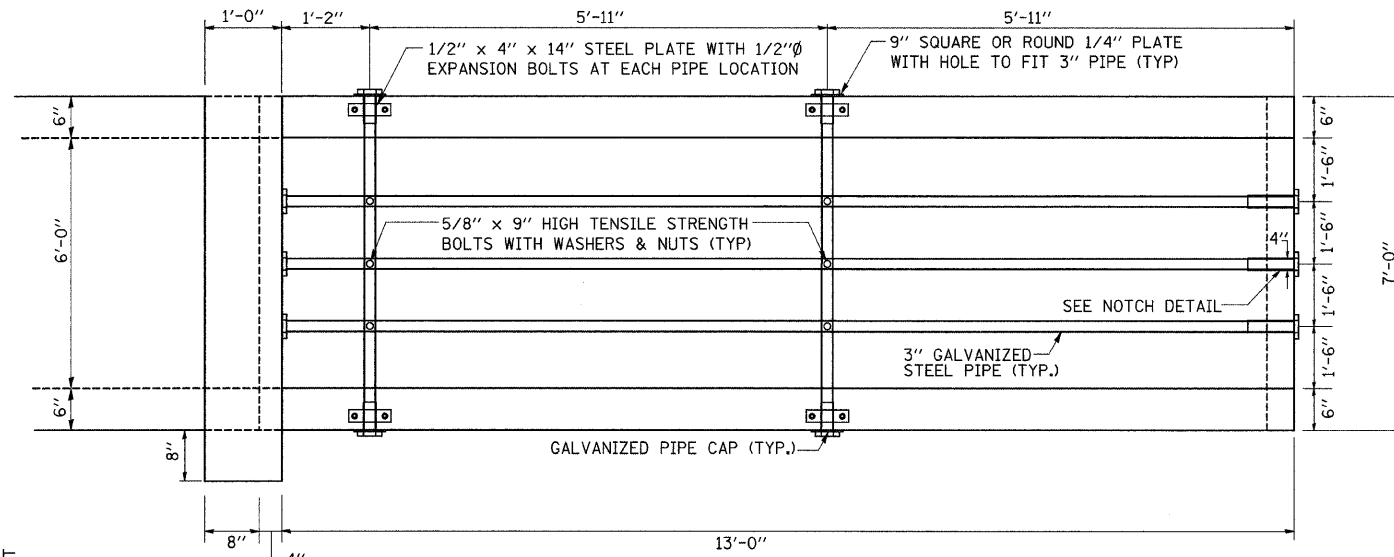
- SLOPE FLOW LINE OF THE EXTENSION AT THE SAME RATE AS THE FLOW LINE OF THE PIPE.
- BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 710.11 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.
- THE CONTRACT UNIT PRICE "EACH" FOR GRATED CULVERT EXTENSION NO. 1 SHALL INCLUDE THE EXPANSION BOLTS, GALVANIZED PIPE & CAPS, CLASS SI CONCRETE, REINFORCEMENT BARS, BOLTS, NUTS, WASHERS, INSTALLATION ON THE PROPOSED CULVERT, EARTH EXCAVATION WHERE REQUIRED, AND ANY NECESSARY GRADING TO FIT INLET AS SHOWN IN THE CROSS SECTIONS OR TO SLOPE.
- STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40 AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.
- STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

SEE PLAN PROFILE SHEET FOR MORE INFORMATION.  
SEE CULVERT LOCATION PLANS FOR MORE INFORMATION.

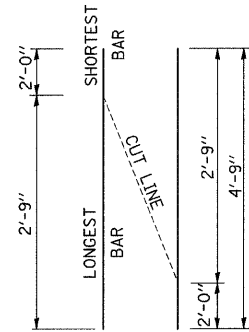
# GRADED CULVERT EXTENSION NO. 2

STA. 104+93 LT & RT

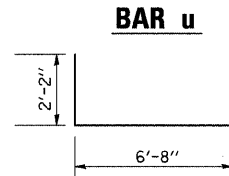
CONTRACT NO. 64D51			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
*303	129M&TS	WINNEBAGO	110 60
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
*(IL 173)			



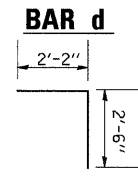
PLAN VIEW



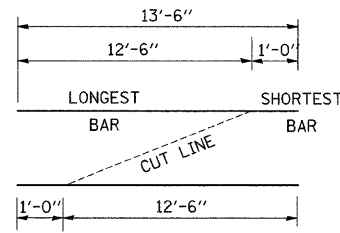
BAR v CUT DIAGRAM



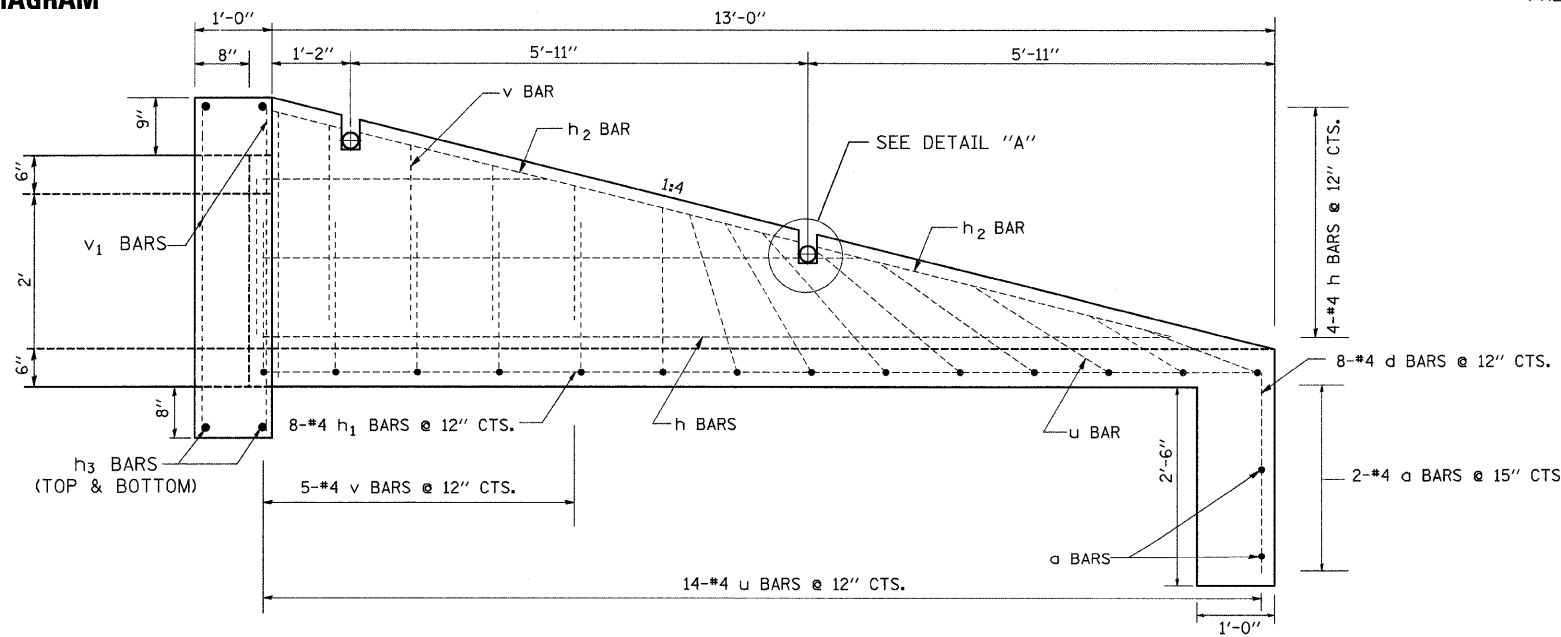
BAR u



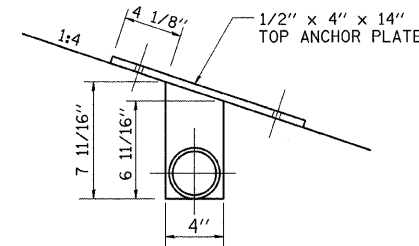
BAR d



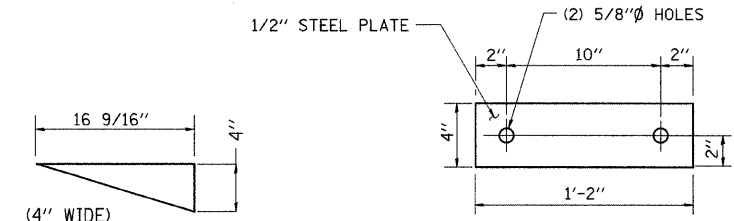
BAR h CUT DIAGRAM



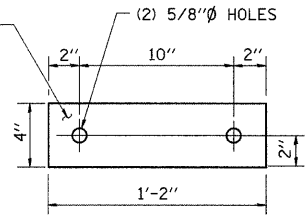
PROFILE VIEW



DETAIL "A"



NOTCH DETAIL



TOP ANCHOR PLATE

### \*CONNECTION COLLAR BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE
h3	4	4	16'-3"	—
v1	8	4	4'-1"	—
DESCRIPTION		UNIT	QTY	
CLASS "SI" CONCRETE		CU YD	1.0	
REINFORCEMENT BARS		LB	65.2	

\*FOR INFORMATIONAL PURPOSES ONLY.  
COST TO BE INCLUDED IN THE BID ITEM  
"PRECAST CONCRETE BOX CULVERT 6'x2' "

### \*\*GRADED CULVERT EXTENSION, NO. 2 BILL OF MATERIALS

BAR	NO.	SIZE	LENGTH	SHAPE	LBS	
a	2	4	6'-8"	—	8.9	
d	8	4	4'-8"	—	24.9	
h	4	4	13'-6"	—	36.1	
h1	8	4	13'-0"	—	69.5	
h2	4	4	5'-8"	—	15.1	
v	5	4	4'-9"	—	15.9	
u	14	4	11'-0"	—	102.7	
TOTAL					273.1	
DESCRIPTION					UNIT	QTY
CLASS "SI" CONCRETE					CU YD	3.1
REINFORCEMENT BARS					LB	273.1
3" I.D. GALVANIZED STEEL PIPE					2 @	7'-4"
					3 @	13'-2"
3" GALV. PIPE CAPS					EACH	10
1/4" GALV. STEEL PLATE (9" NORMAL)					EACH	4
1/2"x4"x14" GALV. STEEL PLATES					EACH	4
5/8"x9" GALV. STEEL BOLTS					EACH	6
EXPANSION BOLTS 1/2"					EACH	8

\*\* QUANTITIES GIVEN ARE FOR EACH BOX CULVERT END SECTION FOR INFORMATIONAL PURPOSES ONLY. COST TO BE INCLUDED IN THE BID ITEM "GRADED CULVERT EXTENSION, NO. 2.

### GENERAL NOTES:

- SLOPE FLOW LINE OF THE EXTENSION AT THE SAME RATE AS THE FLOW LINE OF THE PIPE.
- BOLTS, NUTS AND WASHERS SHALL BE IN ACCORDANCE WITH ARTICLE 710.11 OF THE STANDARD SPECIFICATION AND SHALL BE GALVANIZED.
- THE CONTRACT UNIT PRICE "EACH" FOR GRADED CULVERT EXTENSION NO. 2 SHALL INCLUDE THE EXPANSION BOLTS, GALVANIZED PIPE & CAPS, CLASS SI CONCRETE, REINFORCEMENT BARS, BOLTS, NUTS, WASHERS, INSTALLATION ON THE PROPOSED CULVERT, EARTH EXCAVATION WHERE REQUIRED, AND ANY NECESSARY GRADING TO FIT INLET AS SHOWN IN THE CROSS SECTIONS OR TO SLOPE.
- STEEL PIPES SHALL CONFORM TO A.S.T.M. A-53 (TYPE E OR S) GRADE B, SCHEDULE 40 AND SHALL BE GALVANIZED CONFORMING TO A.S.T.M. A-120. CONTRACTOR SHALL FIELD VERIFY PIPE LENGTH.
- STEEL PLATES SHALL CONFORM TO AASHTO M-183 AND SHALL BE GALVANIZED CONFORMING TO AASHTO M-111.

SEE PLAN PROFILE SHEET FOR MORE INFORMATION.  
SEE CULVERT LOCATION PLANS FOR MORE INFORMATION.

# STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN

CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	61
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

•(IL 173)

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

## SITE DESCRIPTION

### DESCRIPTION OF CONSTRUCTION ACTIVITY:

THIS PROJECT CONSISTS OF STAGED CONSTRUCTION OF NEW CULVERTS, WIDENING FOR LEFT AND RIGHT TURN LANES, RAISING THE ROADWAY PROFILE, INSTALLATION OF TRAFFIC SIGNALS, CURB & GUTTER, AND RESURFACING THE EXISTING ROADWAY.

### DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 9.12 ACRES

PROPOSED R.O.W (TOTAL PARCEL AREA) 6.54 ACRES

DISTURBED BY EXCAVATION (E.O.P TO CONSTRUCTION LIMIT) 5.05 ACRES

## SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS  
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE  
DRAINAGE DITCH FLOWS NORTHERLY AND CROSSES IL 173 THROUGH A CULVERT AT STA 244+48.5 AND CONTINUES TO FLOW NORTHERLY, ANOTHER DRAINAGE DITCH FLOWS WESTERLY AND CROSSES BELVIDERE ROAD THROUGH A CULVERT AT STA 104+93 AND CONTINUES TO FLOW NORTHWESTERLY.

## EROSION CONTROLS AND SEDIMENT CONTROL PROCEDURES

### STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

### STABILIZATION PRACTICES DURING CONSTRUCTION:

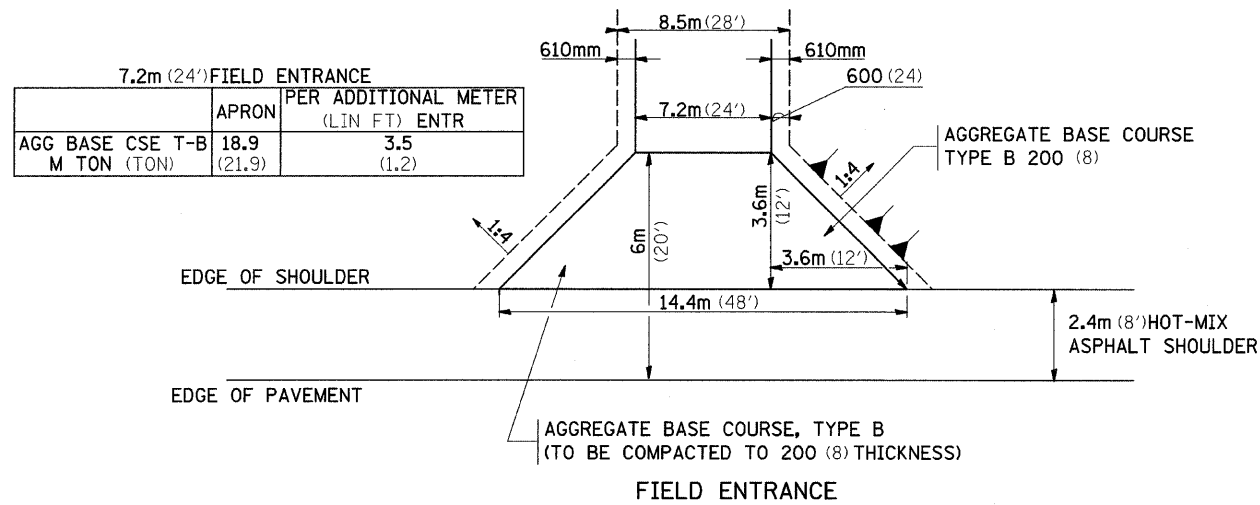
AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/ SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

### MAINTENANCE AFTER FINAL GRADING

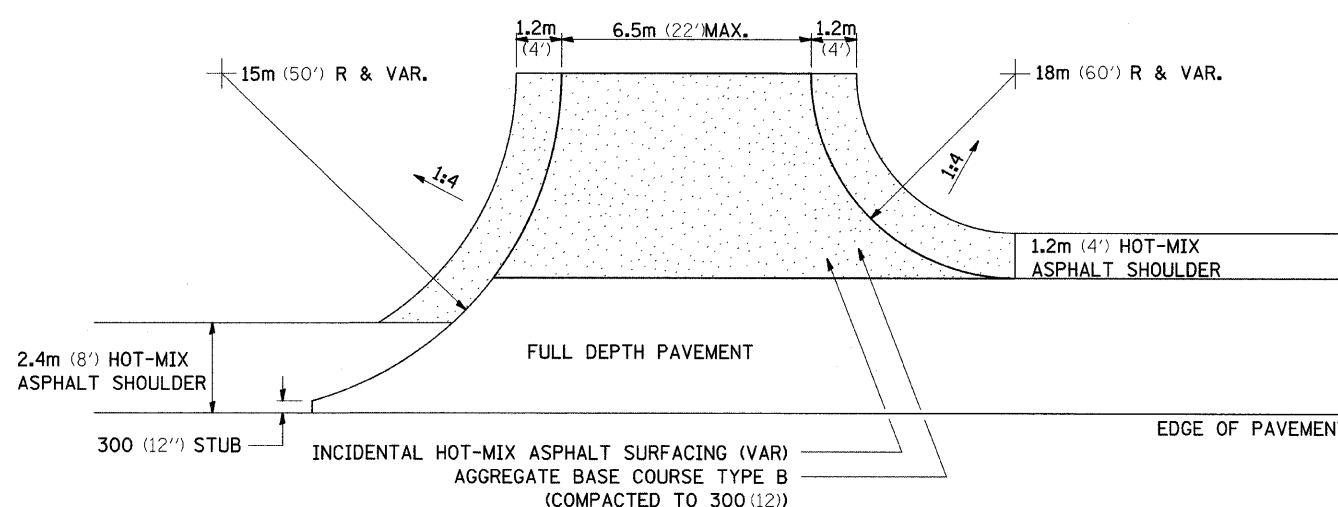
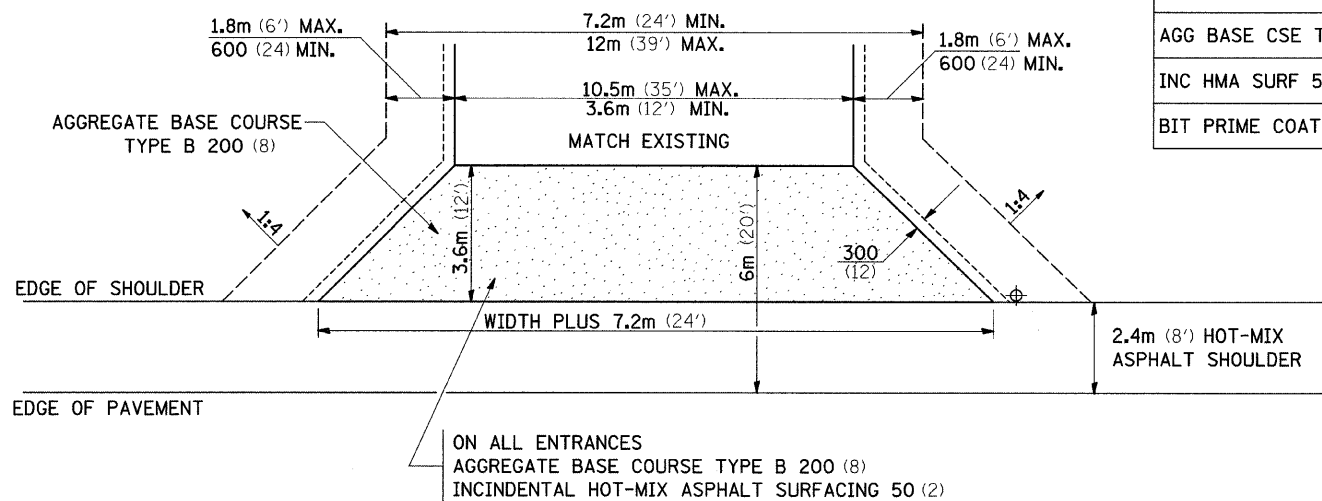
TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEDED.

PLOT DATE = Mon Dec 03 14:38:21 2007  
 FILE NAME = c:\projects\p2871797\8871797.rpl.dgn  
 PLOT SCALE = 80.0000 / 1" = 100'  
 REFERENCE = \*WER\*

# ENTRANCE AND SIDEROADS WITH 2.4m (8') HOT-MIX ASPHALT SHOULDERS



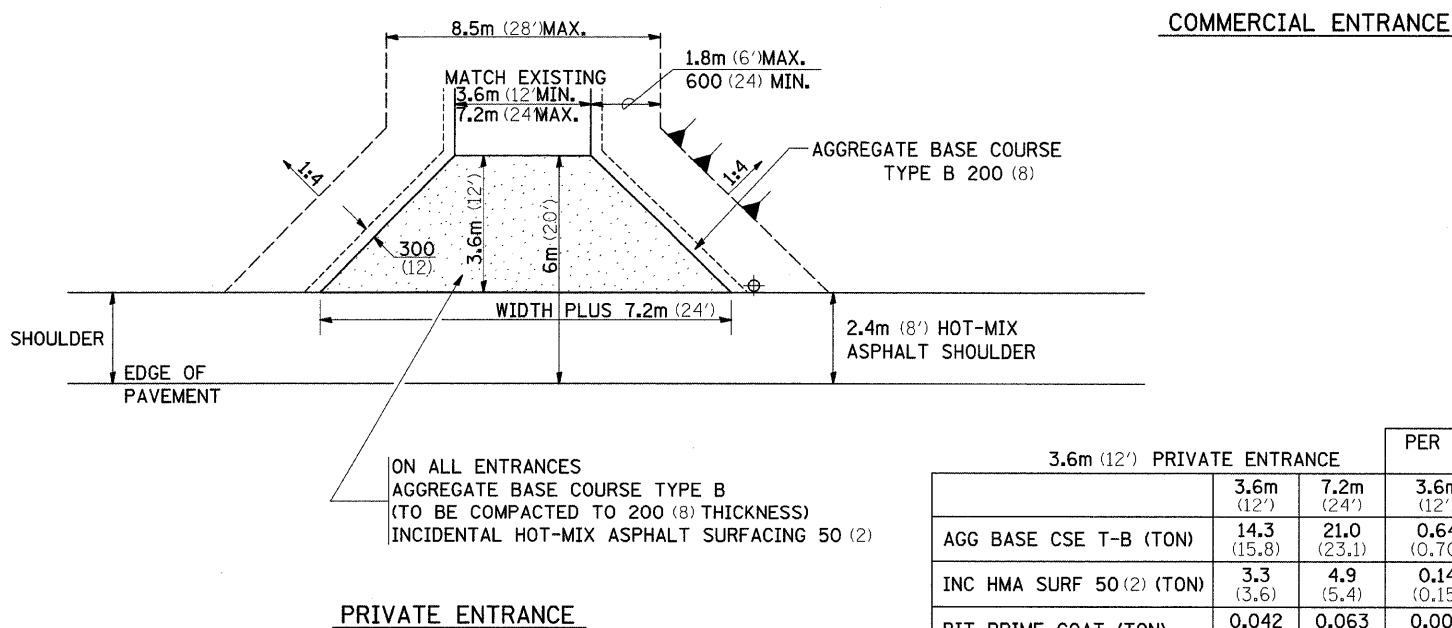
- NOTE**
- ① ALL PE & CE ARE TO BE INCIDENTAL HOT-MIX ASPHALT SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
  - ② FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
  - ③ QUANTITIES ARE CALCULATED WITH 2.4m HOT-MIX ASPHALT SHOULDER IN PLACE. AGGREGATE QUANTITIES SHOWN ARE FOR NEW CONSTRUCTION.
  - ④ EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE CONSIDERED INCIDENTAL TO THE AGGREGATE BASE COURSE.
  - ⑤ ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



**SIDE ROAD RETURN**

	6m RADIUS (20')	9m RADIUS (30')	12m RADIUS (40')
AGG BASE CSE T-B (TON)			
INC HMA SURF AT 25 (1) (TON)			
BIT PRIME COAT (TON)			

NOTE: USE 50 (2) INC. HMA SURF. ON EXISTING RETURNS



**PER METER ENTR (FOOT)**

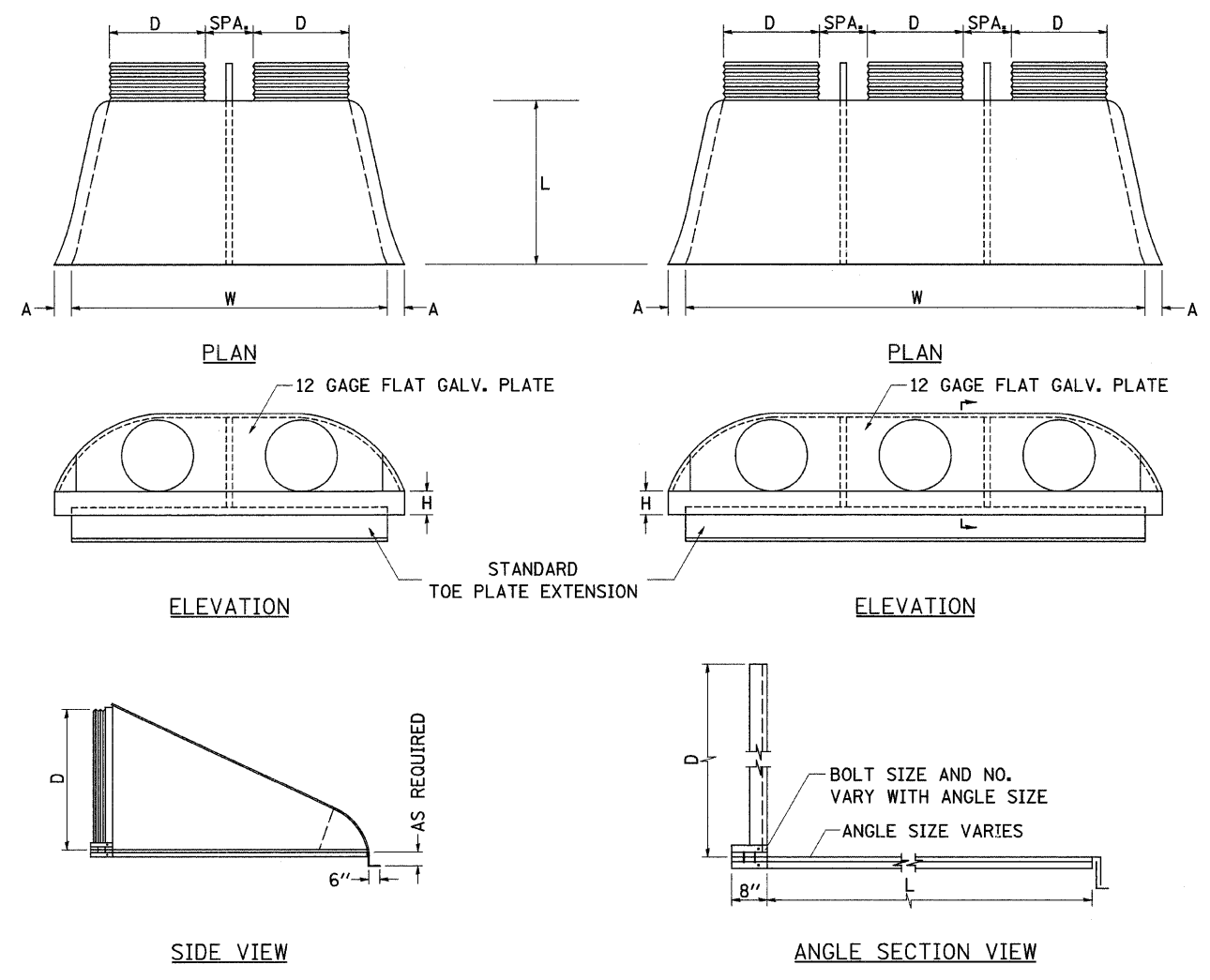
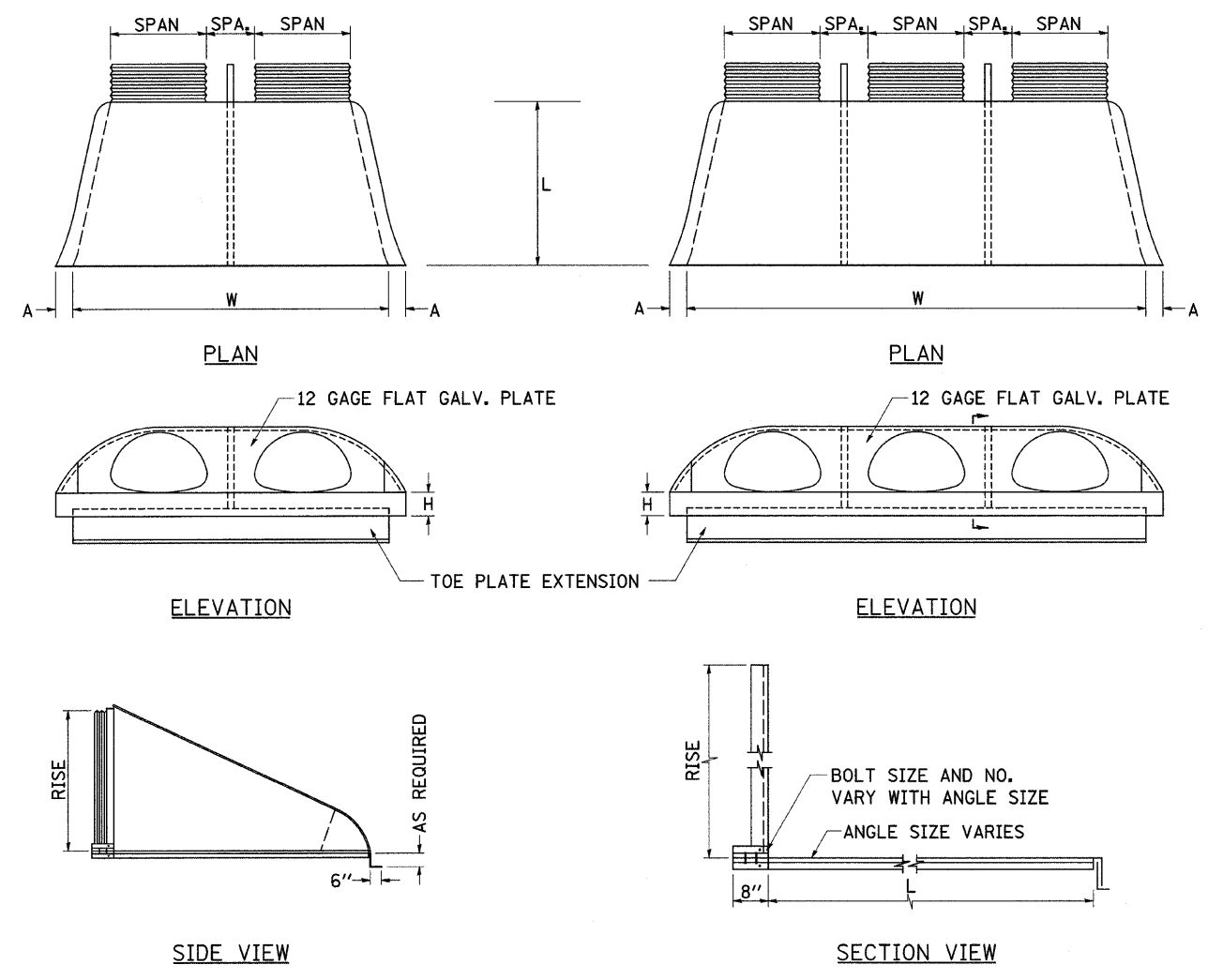
	3.6m (12')	7.2m (24')	3.6m (12')	7.2m (24')
AGG BASE CSE T-B (TON)	14.3 (15.8)	21.0 (23.1)	0.64 (0.70)	1.20 (1.32)
INC HMA SURF 50 (2) (TON)	3.3 (3.6)	4.9 (5.4)	0.14 (0.15)	0.27 (0.30)
BIT PRIME COAT (TON)	0.042 (0.046)	0.063 (0.069)	0.002 (0.002)	0.004 (0.004)

PLOT DATE = Mon Dec 03 14:36:21 2007  
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 PLOT SCALE = 50.0000 / IN.  
 REFERENCE = #REF#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	63
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# CORRUGATED STEEL PIPE MULTIPLE END SECTIONS

•(IL 173)



PIPE-ARCH MULTIPLE INLET END SECTIONS										
SPAN x RISE 2-2/3" x 1/2"	EQUIV. ROUND	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE	
17 x 13	15	16	12	6 1/2	6	20	59	88	2 x 2 x 1/4	
21 x 15	18	16	12	7 1/2	6	24	69	102	2 x 2 x 1/4	
24 x 18	21	16	12	8	6	28	78	114	2 x 2 x 1/4	
28 x 20	24	16	12	8	6	32	88	128	5 x 3 x 1/4	
35 x 24	30	14	12	10	6	39	107	154	5 x 3 x 1/4	
42 x 29	36	14	14	12	7 1/2	46	131	187	5 x 3 x 1/4	
49 x 33	42	12	17	13 1/2	9	53	150	216	5 x 3 x 1/4	
57 x 38	48	12	19	18 1/2	12	62	166	242	6 x 4 x 3/8	
64 x 43	54	12	22	18	12	69	188	274	6 x 4 x 3/8	
71 x 47	60	12/10	24	18 1/2	12	77	209	304	6 x 4 x 3/8	
77 x 62	66	12/10	26	18	12	77	229	332	6 x 4 x 3/8	
83 x 67	72	12/10	28	18	12	77	243	354	6 x 4 x 3/8	
SPAN x RISE 3"x1" & 5"x1"	EQUIV. ROUND	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE	
60 x 46	54	12	20	18	12	70	182	262	6 x 4 x 3/8	
66 x 51	60	12/10	22	18	12	77	202	290	6 x 4 x 3/8	
73 x 55	66	12/10	25	18	12	77	224	322	6 x 4 x 3/8	
81 x 69	72	12/10	27	18	12	77	246	354	6 x 4 x 3/8	

ROUND PIPE MULTIPLE INLET END SECTIONS										
PIPE DIA. (D) (In)	GAGE	SPA. (In)	A (In)	H (In)	L (In)	DOUBLE W	TRIPLE W	REINFORCING ANGLE		
12	16	12	6 1/2	6	21	48	72	2 x 2 x 1/4		
15	16	12	7 1/2	6	26	57	84	2 x 2 x 1/4		
18	16	12	8	6	31	66	96	2 x 2 x 1/4		
21	16	12	10	6	36	75	108	2 x 2 x 1/4		
24	16	12	10	6	41	84	120	5 x 3 x 1/4		
30	14	15	12 1/4	8	51	102	147	5 x 3 x 1/4		
36	14	18	14 1/2	9	60	126	180	5 x 3 x 1/4		
42	12	21	17	10 1/2	69	147	210	5 x 3 x 1/4		
48	12	24	18 1/2	12	79	162	234	6 x 4 x 3/8		
54	12	27	18 1/2	12	84	183	264	6 x 4 x 3/8		
60	12/10	30	18	12	88	204	294	6 x 4 x 3/8		
66	12/10	33	18	12	87	219	318	6 x 4 x 3/8		
72	12/10	36	18	12	88 1/2	228	336	6 x 4 x 3/8		
78	12/10	36	18	12	87 1/2	252	366	6 x 4 x 3/8		
84	12/10	36	18	12	87 1/2	254	384	6 x 4 x 3/8		

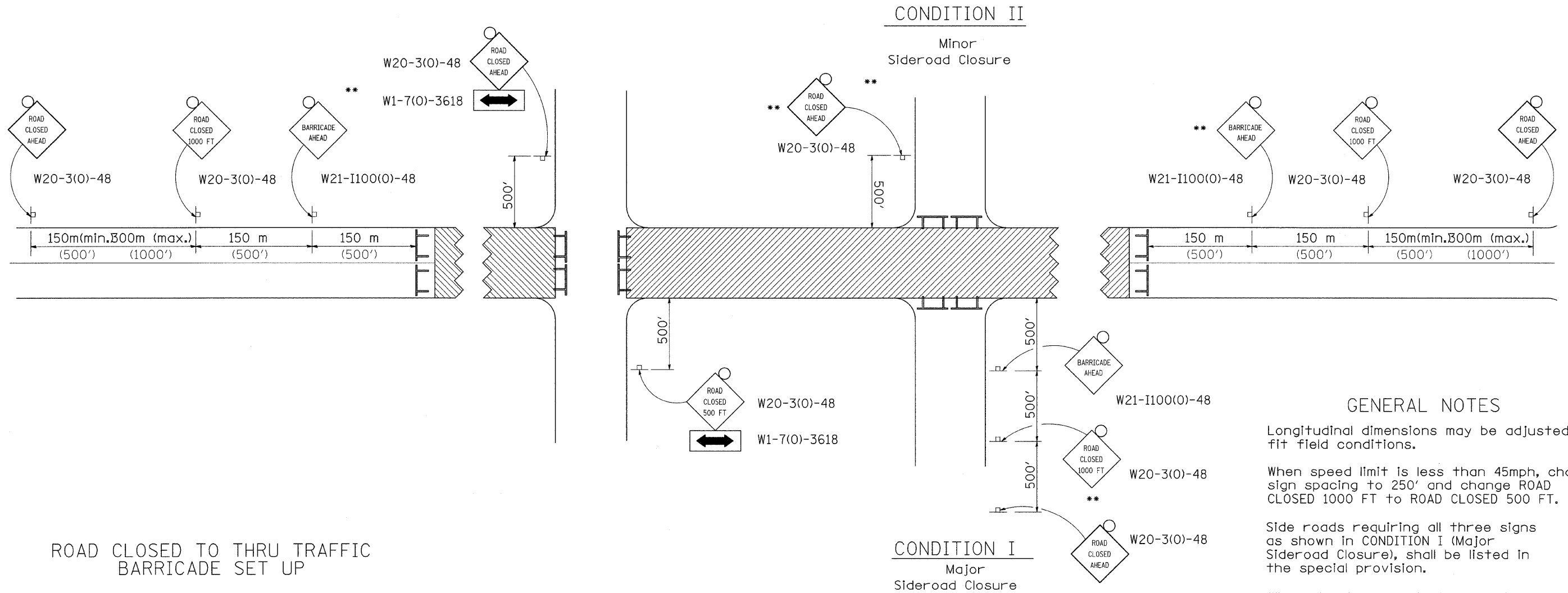
NOTE: ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED

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 PLOT SCALE = 50.0000 / 1 IN.  
 REFERENCE = #REF#

F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	64
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# TRAFFIC CONTROL FOR ROAD CLOSURE

\*(IL 173)



**GENERAL NOTES**

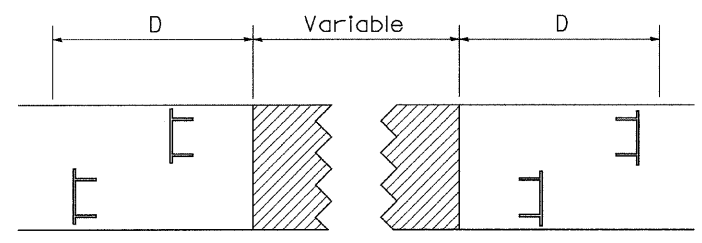
Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

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 702001.



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 702001. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

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

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

TYPICAL APPLICATION FOR ROAD CLOSURE

PLOT DATE = Mon, Dec 03, 14:36:21, 2007  
 FILE NAME = c:\p\projects\129m&ts\129m&ts.dwg  
 PLOT SCALE = 60.0000  
 REFERENCE = MIEP\*

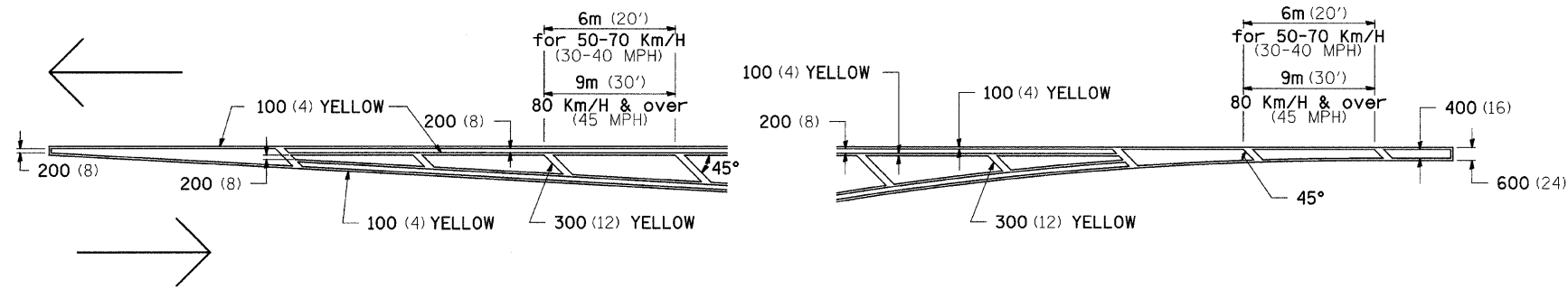


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	65
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

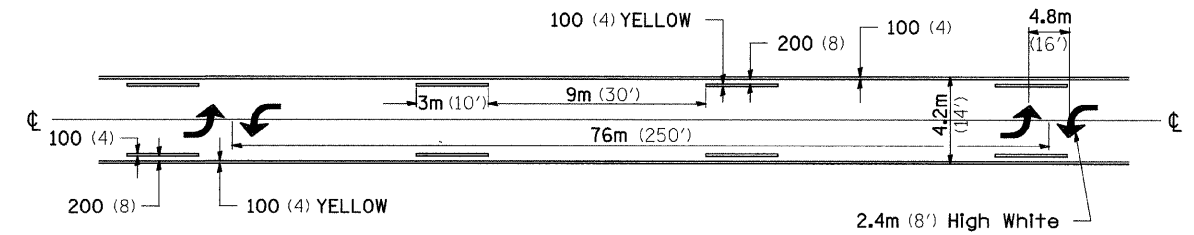
•(IL 173)

# TYPICAL PAVEMENT MARKINGS

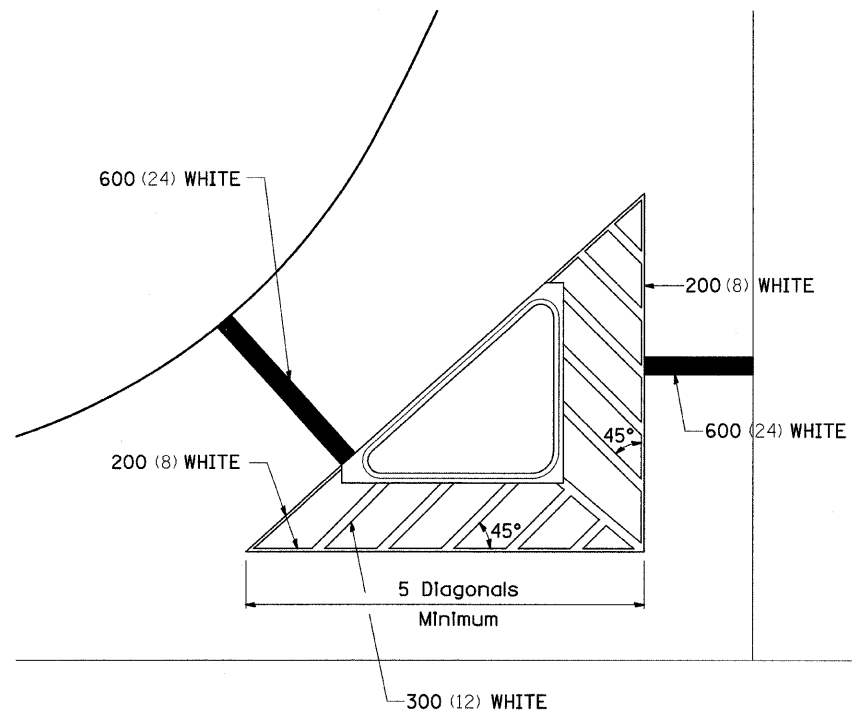
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE



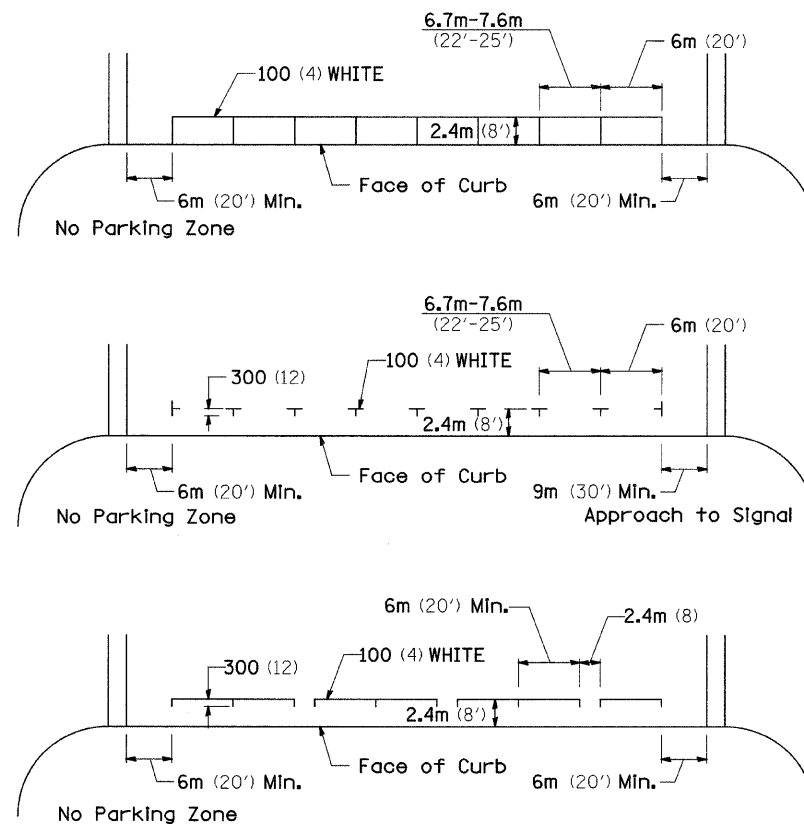
## MEDIAN PAVEMENT MARKING



## TYPICAL ISLAND OFFSET SHOULDER WIDTH



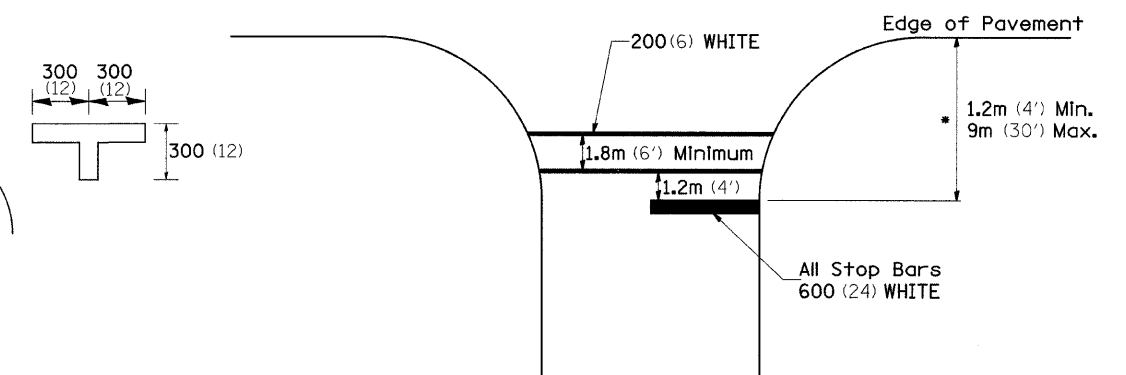
## TYPICAL PARKING SPACING



•• ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

## STANDARD CROSSWALK MARKING

See Schedules for Locations



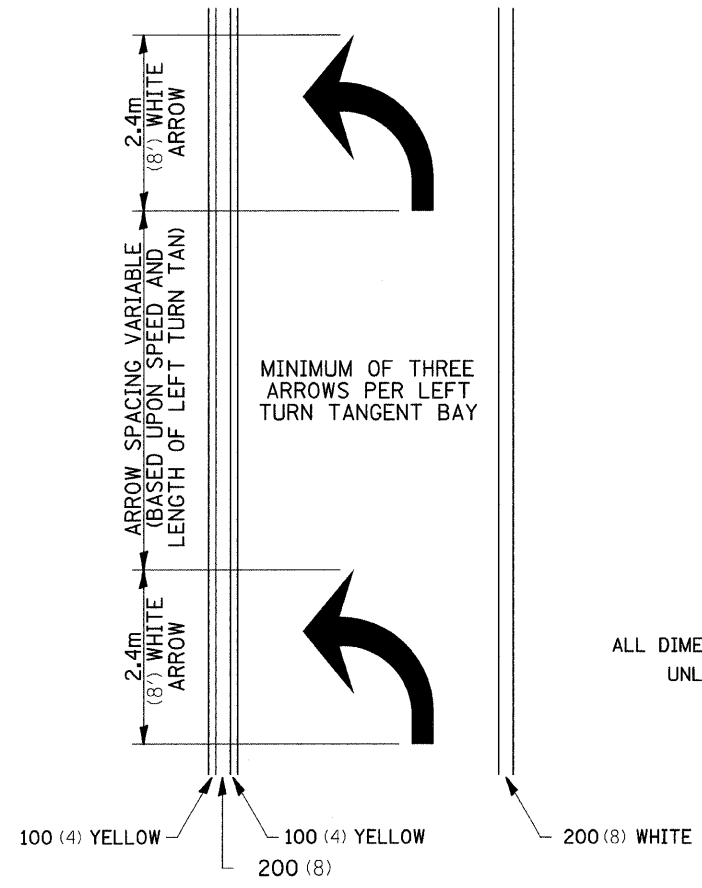
• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

PLOT DATE = Mon Dec 03 14:36:22 2007  
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 PLOT SCALE = 60.0000 / IN.  
 REFERENCE = SHEET#

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	66
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

# TYPICAL PAVEMENT MARKINGS

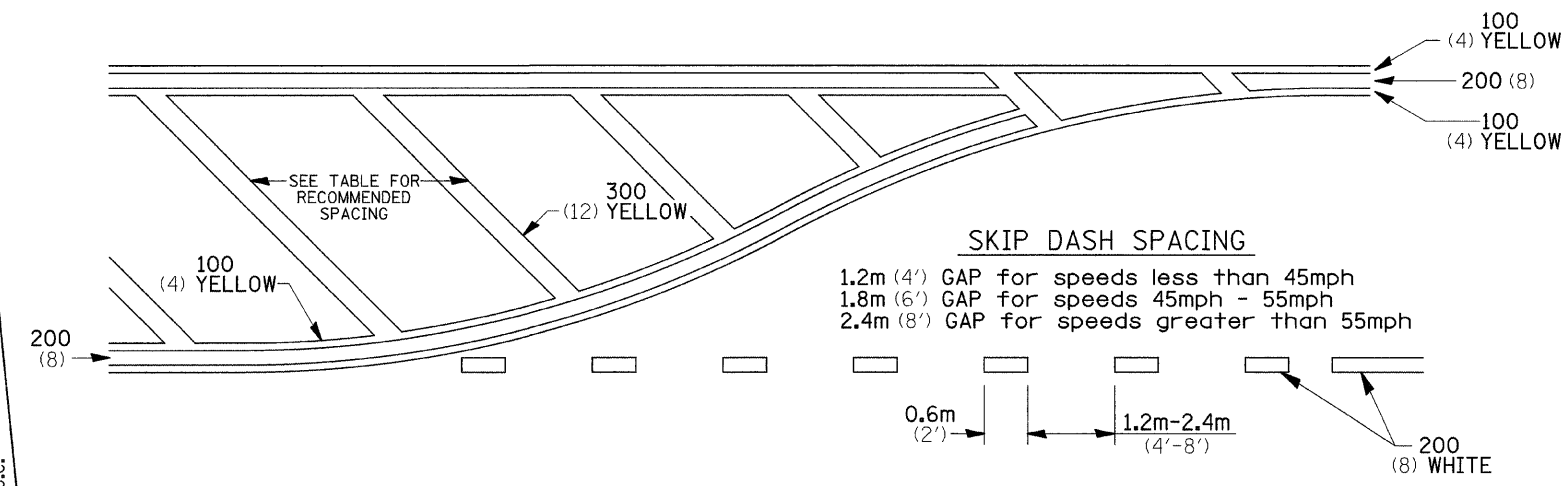
## ARROW LAYOUT



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

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

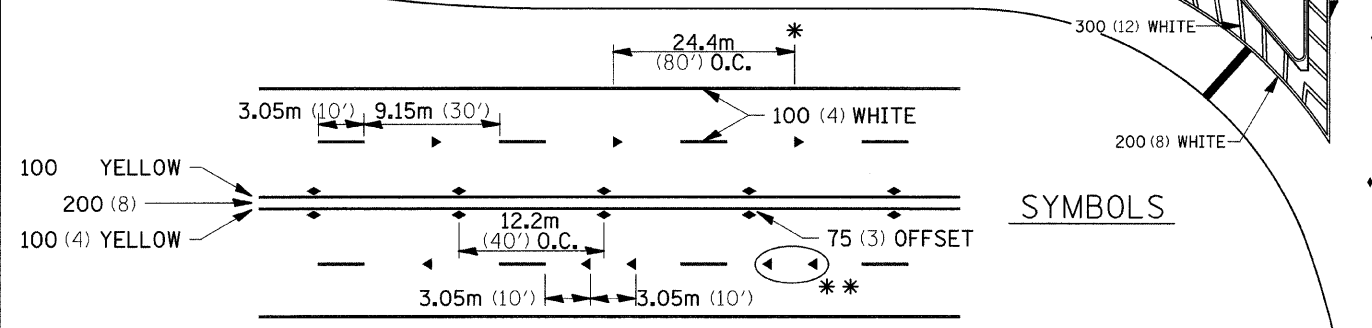
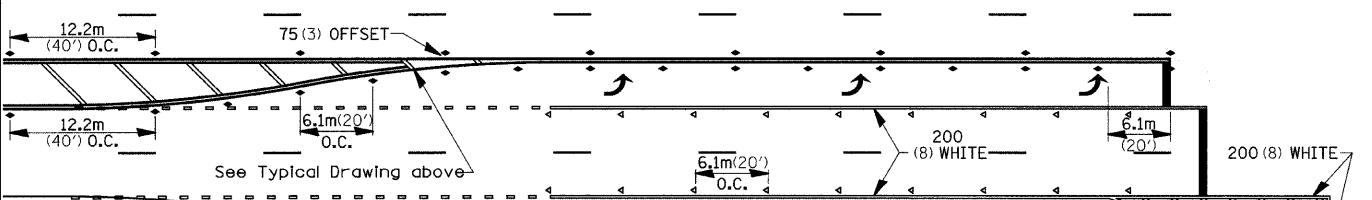
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



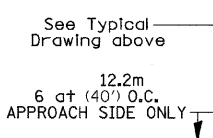
## RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (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.



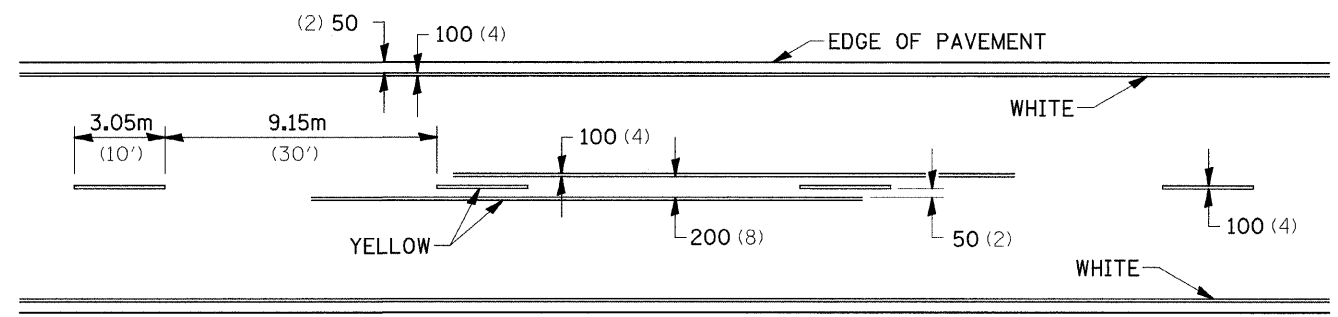
## SYMBOLS



- \* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.
- \*\* USE DOUBLE MARKERS WHEN ADT ≥ 25,000

## MULTI-LANE / UNDIVIDED

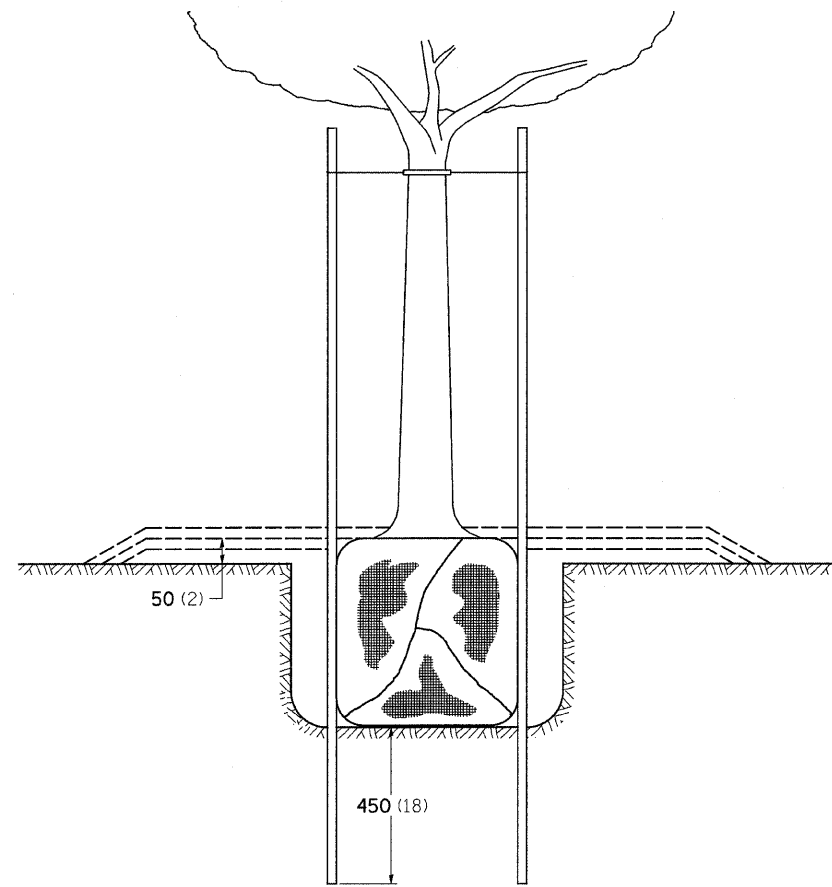
## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



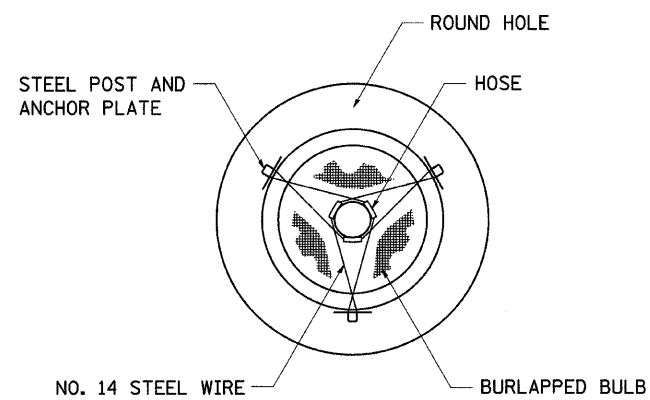
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 REFERENCE = 0102

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	67
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

# DETAILS OF PLANTING AND BRACING TREES

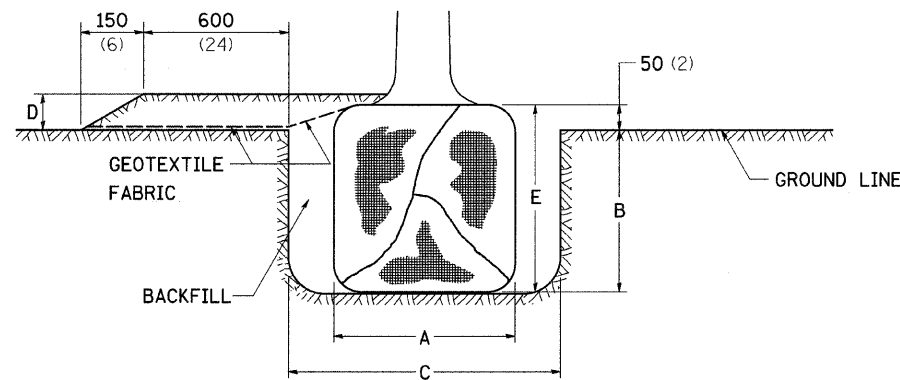


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

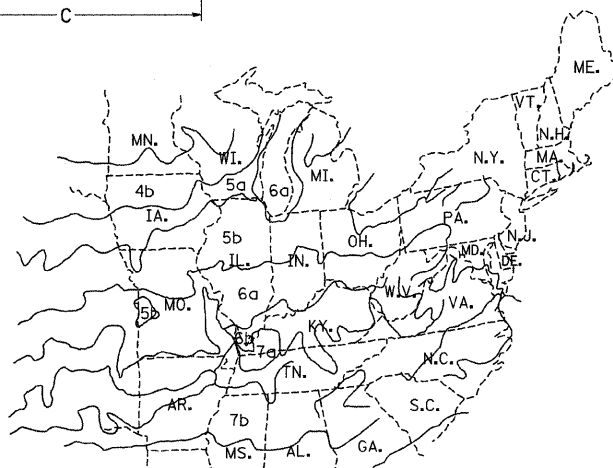
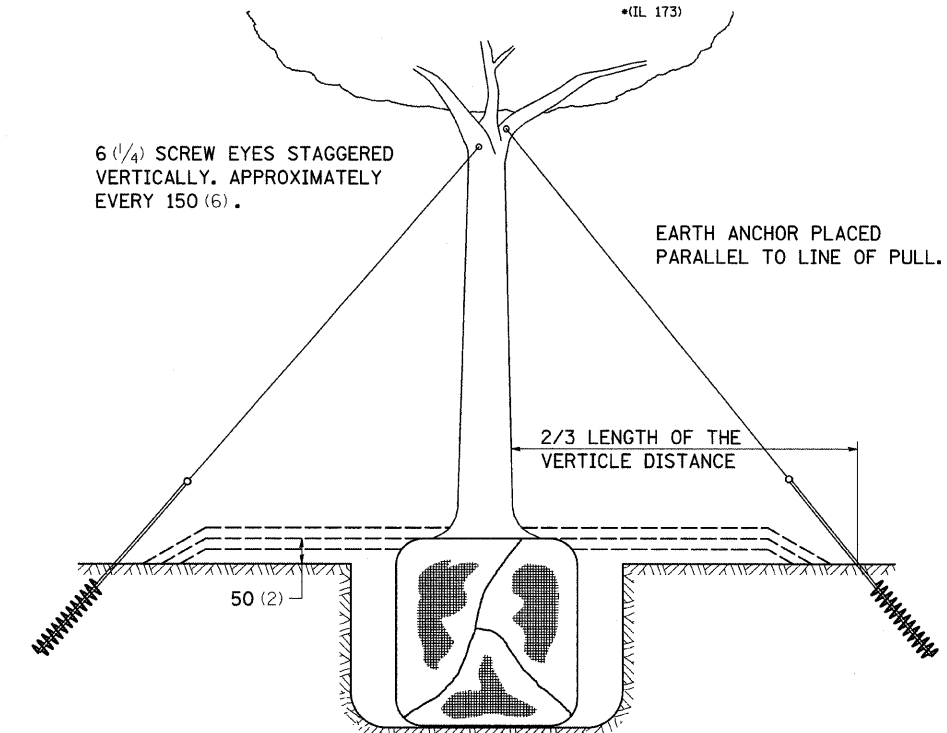


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m <sup>3</sup> (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

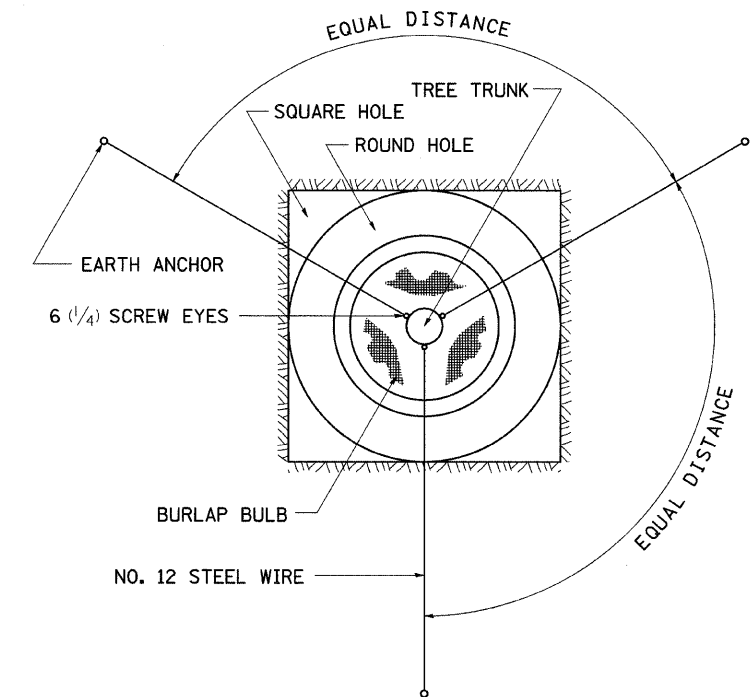
LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m <sup>3</sup> (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2) BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2 1/2-3) BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3 1/2) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3 1/2-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4 1/2) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4 1/2-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5 1/2) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)



TREES OVER 115 (4 1/2) IN DIAMETER



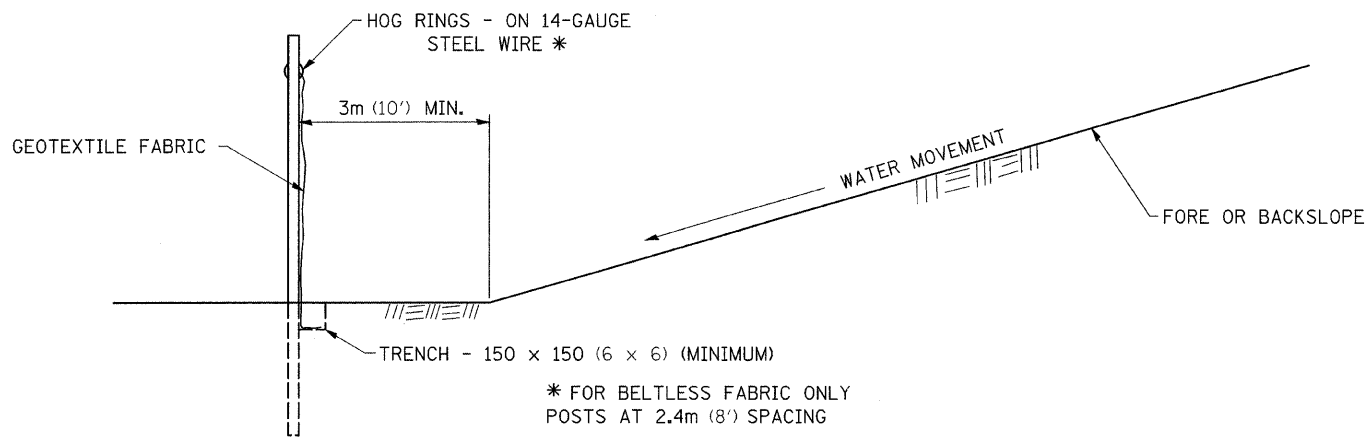
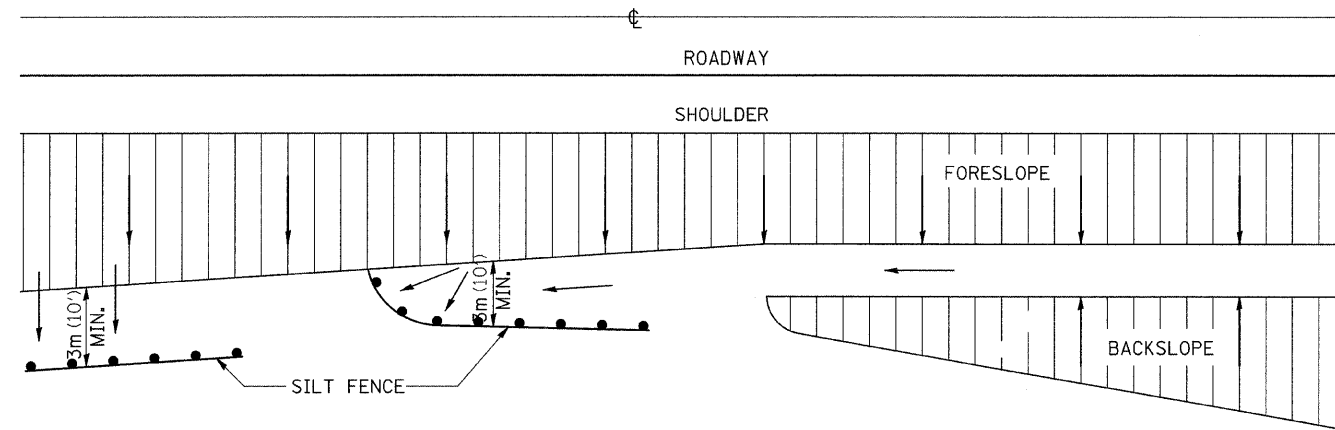
PLANT HARDINESS ZONE MAP  
U.S. DEPARTMENT OF AGRICULTURE  
AGRICULTURAL RESEARCH SERVICE  
PUBLICATION NO. 814



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

PLOT DATE = Mon, Dec 03, 14:38:21, 2007  
FILE NAME = c:\p\c\west\p\207707\087707.dgn  
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REFERENCE = WREF\*

# EROSION CONTROL DETAILS FOR SILT FENCE

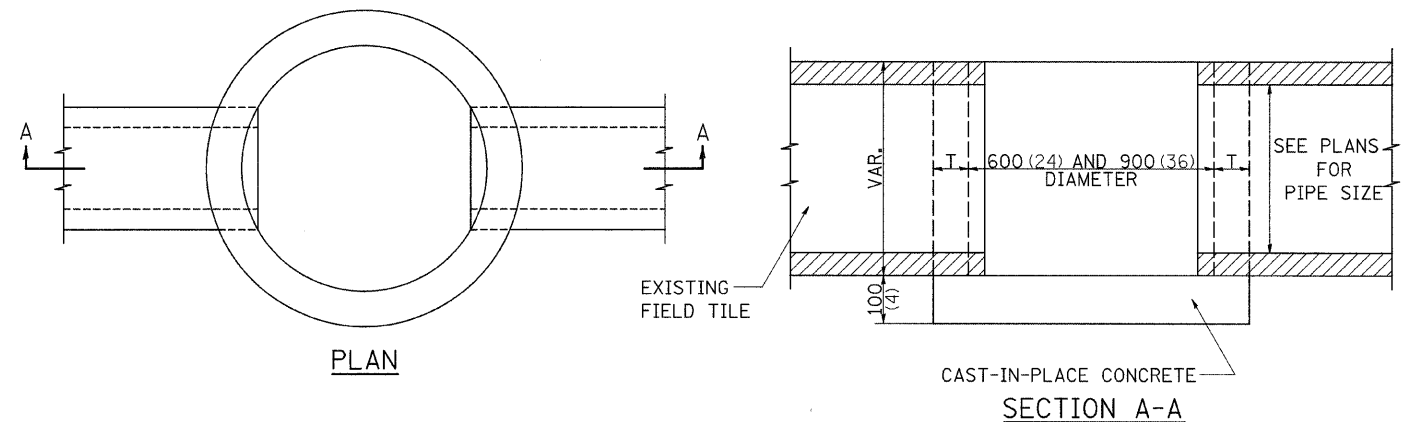
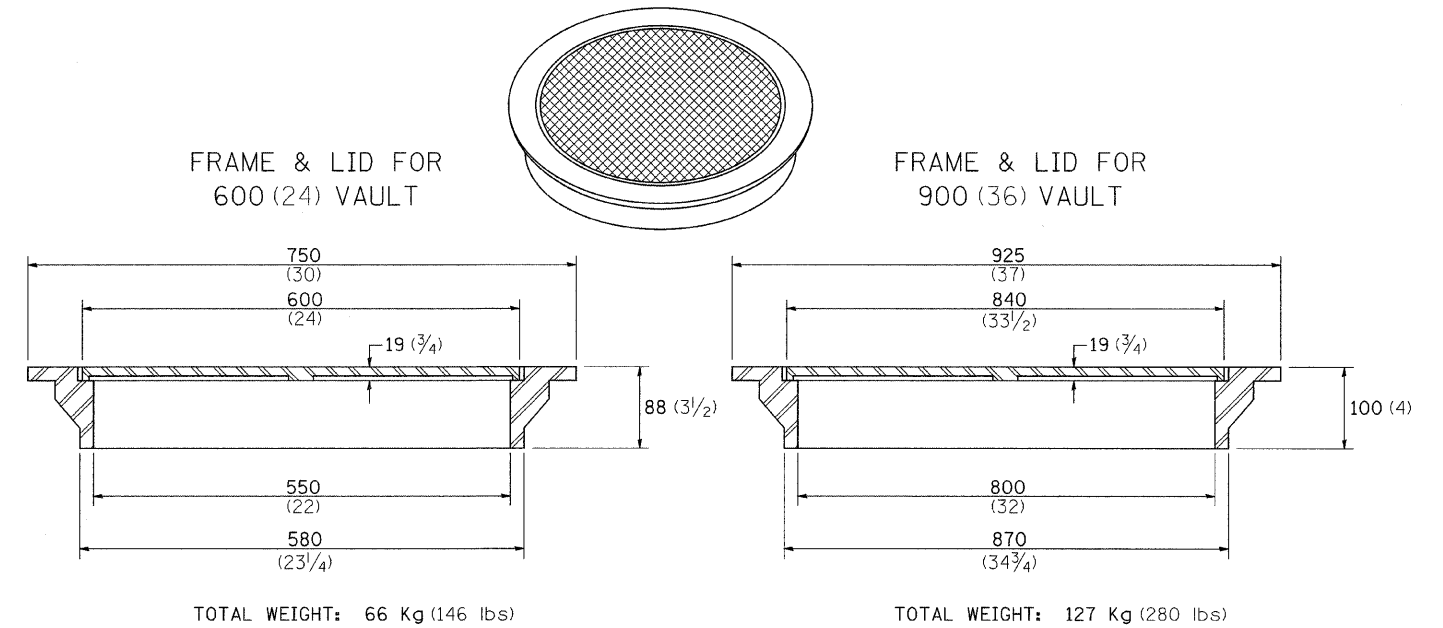


DETAILS OF SILT FENCE

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

# FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA.

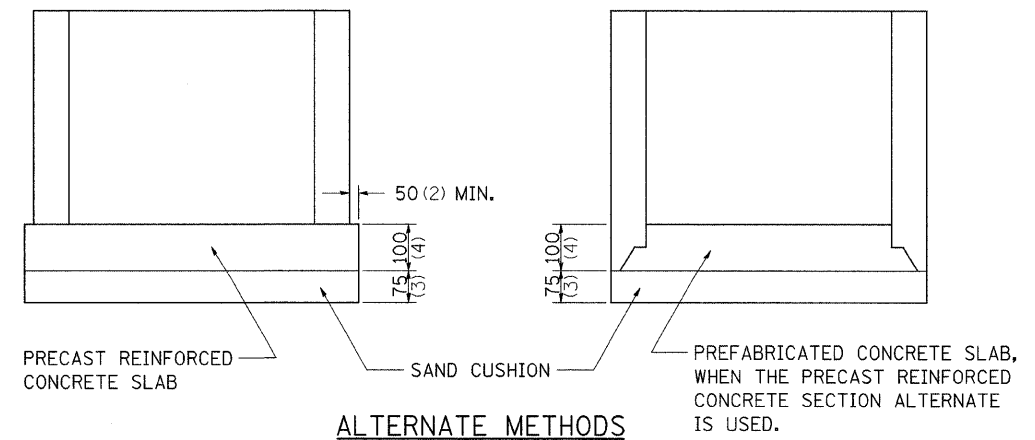
CONTRACT NO. 64D51			
F.A.P. RTE. #303	SECTION 129M&TS	COUNTY WINNEBAGO	TOTAL SHEETS 110
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
*(IL 173)			



ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	200 (8)
CAST-IN-PLACE CONCRETE	150 (6)
CONCRETE MASONRY UNIT	125 (5)
PRECAST REINFORCED CONCRETE SECTION	75 (3)

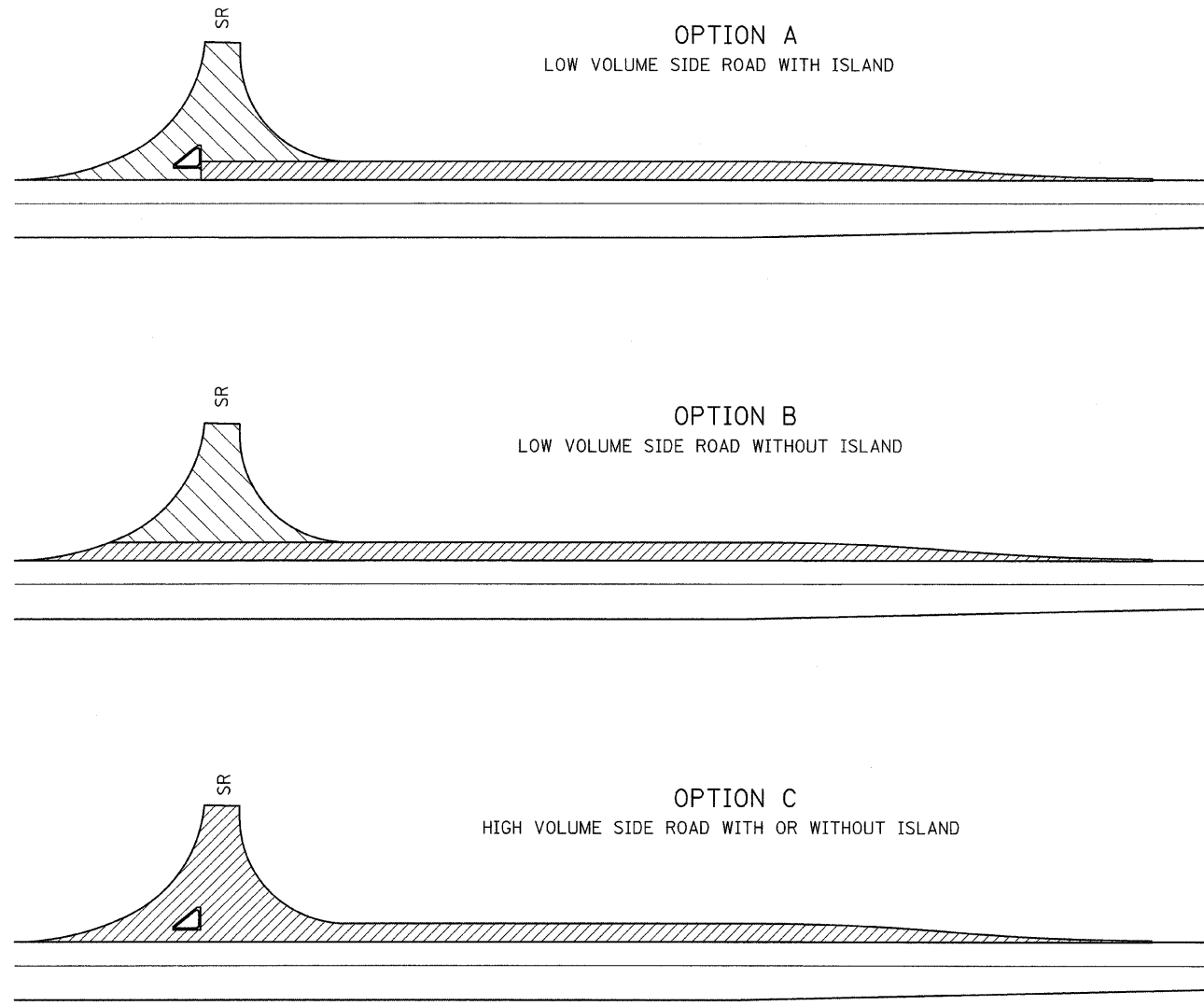
NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

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



ALTERNATE METHODS

# RIGHT TURN LANE CONSTRUCTION



OPTION A  
LOW VOLUME SIDE ROAD WITH ISLAND

OPTION B  
LOW VOLUME SIDE ROAD WITHOUT ISLAND

OPTION C  
HIGH VOLUME SIDE ROAD WITH OR WITHOUT ISLAND

### LEGEND

- HOT-MIX ASPHALT PAVEMENT (FULL DEPTH)
- AGGREGATE BASE WITH HOT-MIX ASPHALT SURFACE

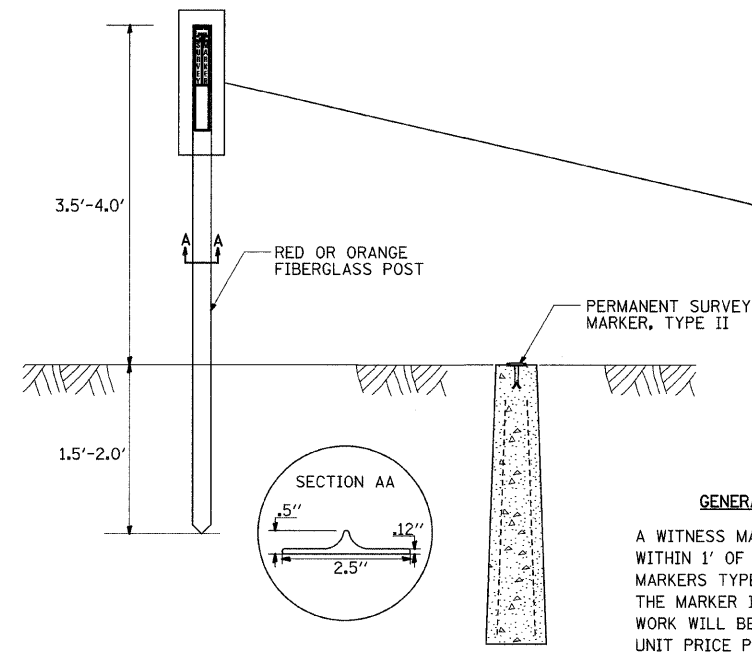
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 PLOT SCALE = 80.0000 / 1" = 80.0000'  
 REFERENCE = WRC#

# WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II

CONTRACT NO. 64D51			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
•303	129M&TS	WINNEBAGO	110
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

SHEET NO. 69

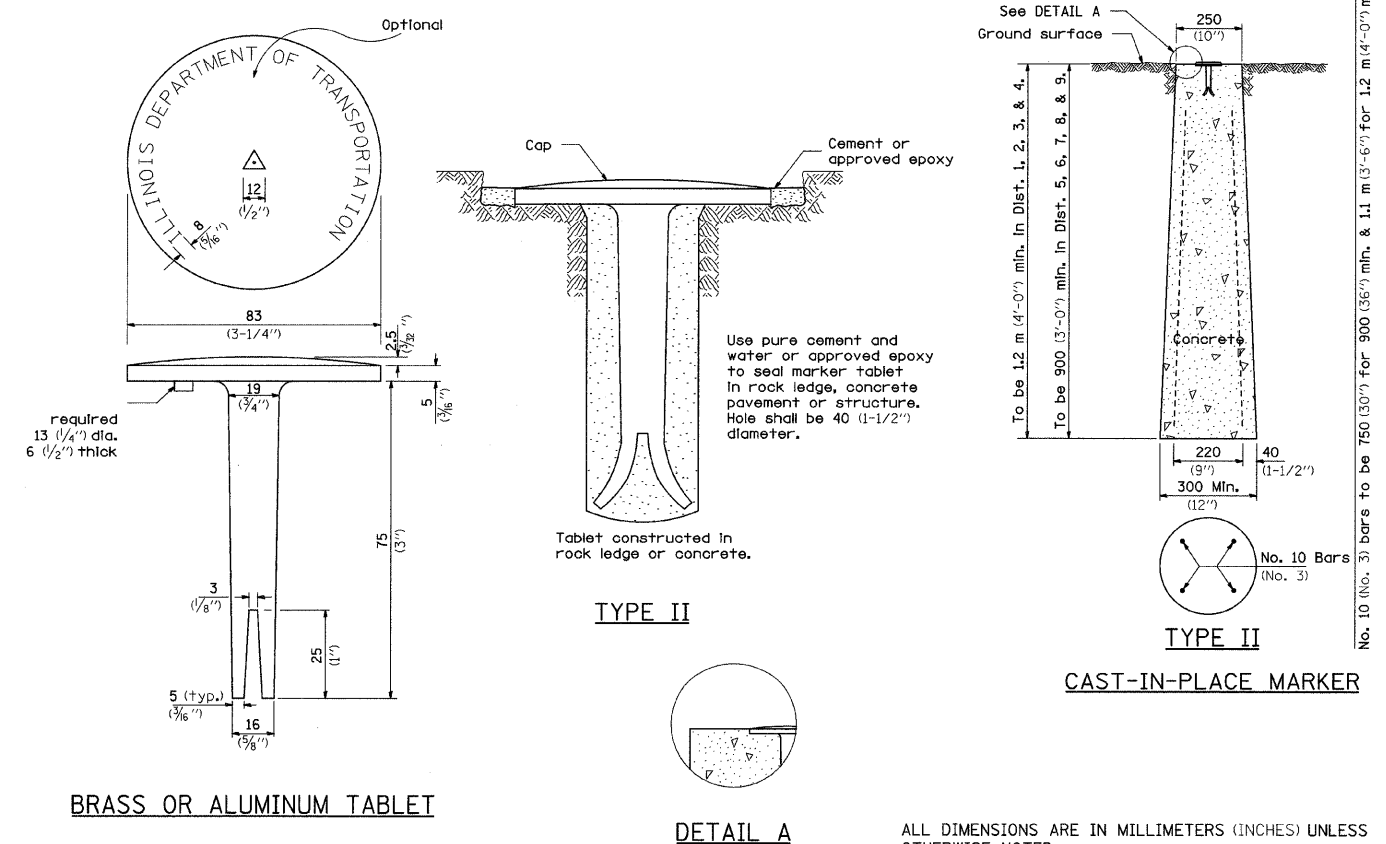
(IL 173)



### 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



BRASS OR ALUMINUM TABLET

TYPE II

DETAIL A

CAST-IN-PLACE MARKER

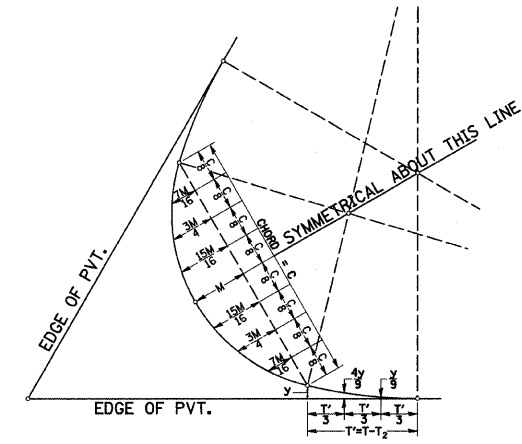
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

No. 10 (No. 3) bars to be 750 (30") for 900 (36") min. & 1.1 m (3'-6") for 1.2 m (4'-0") min.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	70
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

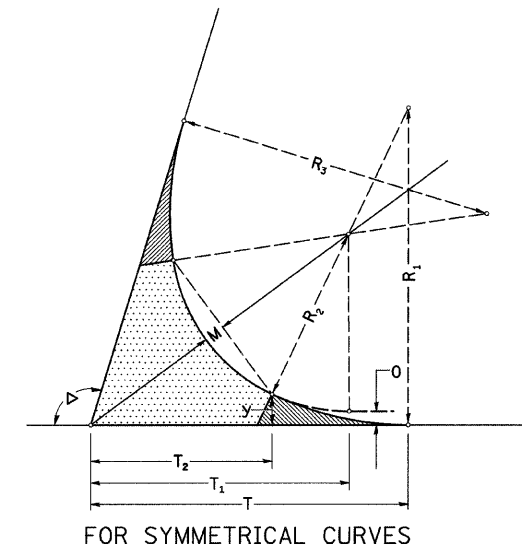
# THREE CENTER CURVE DATA

## SYMMETRICAL CURVES



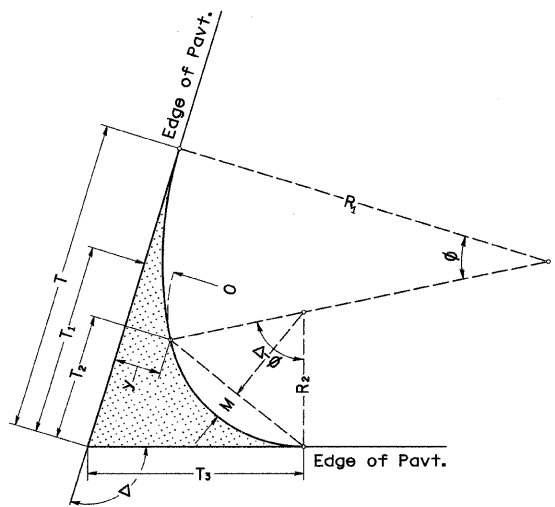
CURVE #							
R <sub>1</sub>							
R <sub>2</sub>							
R <sub>3</sub>							
O							
Δ							
T							
T <sub>1</sub>							
T <sub>2</sub>							
T'							
y							
4y/9							
M							
15M/16							
3M/4							
7M/16							
C							

FIELD LAYOUT METHOD



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

# TWO CENTER CURVE DATA



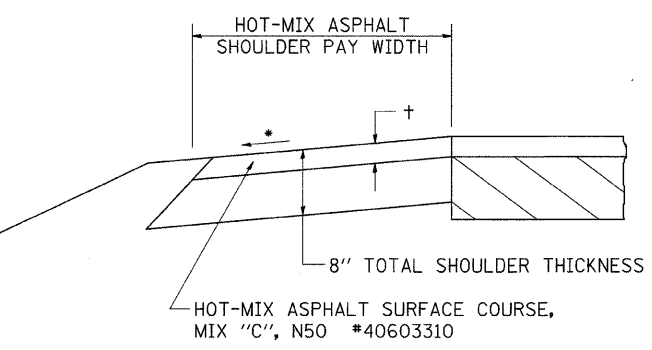
CURVE #	CURVE 1	CURVE 2	CURVE 3	CURVE 4	CURVE 5	CURVE 6	CURVE 7
R <sub>1</sub>	300.00	300.00	300.00	300.00	300.00	300.00	300.00
R <sub>2</sub>	60.00	100.00	100.00	60.00	75.00	100.00	50.00
O	35.50	15.00	8.00	10.00	19.50	8.00	12.00
Δ	102.60	77.40	77.40	102.60	102.60	77.40	102.17
T	208.44	152.76	134.33	145.68	189.60	134.33	141.04
T <sub>1</sub>	82.83	76.76	78.33	77.13	97.97	78.33	64.52
T <sub>2</sub>	51.42	38.77	50.33	59.99	67.43	50.33	49.21
T <sub>3</sub>	111.27	95.49	88.31	85.14	113.60	88.31	74.21
y	44.38	22.50	12.00	12.50	26.00	12.00	14.40
4y/9	19.72	10.00	5.33	5.56	11.56	5.33	6.40
M	4.93	2.50	1.33	1.39	2.89	1.33	1.60
15M/16	11.16	11.33	13.90	16.12	16.95	13.90	12.94
3M/4	10.47	10.62	13.03	15.11	15.89	13.03	12.13
7M/16	8.37	8.49	10.42	12.09	12.71	10.42	9.71
C	4.88	4.96	6.08	7.05	7.42	6.08	5.66
C	69.72	92.46	101.72	81.84	94.98	101.72	67.14

TWO CENTER CURVES

## TWO AND THREE CENTER CURVE DATA 92.2

REVISED 3-22-90

# HOT-MIX ASPHALT SHOULDER



† = SEE TYPICAL SECTIONS FOR THICKNESS

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

## GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

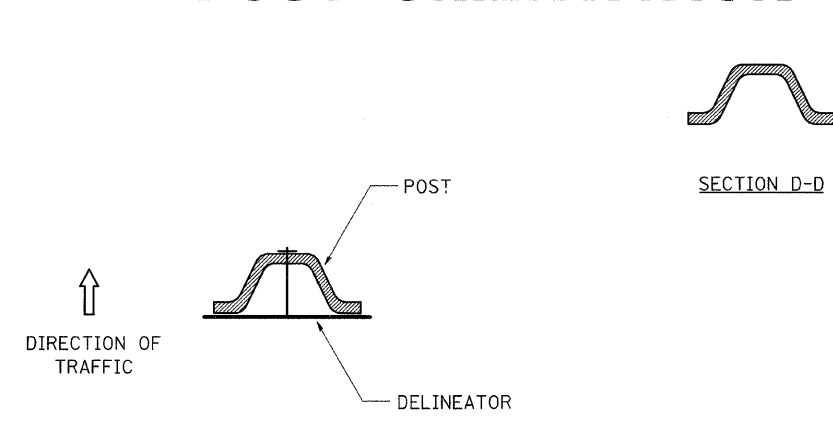
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

\*4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

## HOT-MIX ASPHALT SHOULDER 23.4a

REVISED 10-06-06

# 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 MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

## DELINEATOR AND POST ORIENTATION 37.4

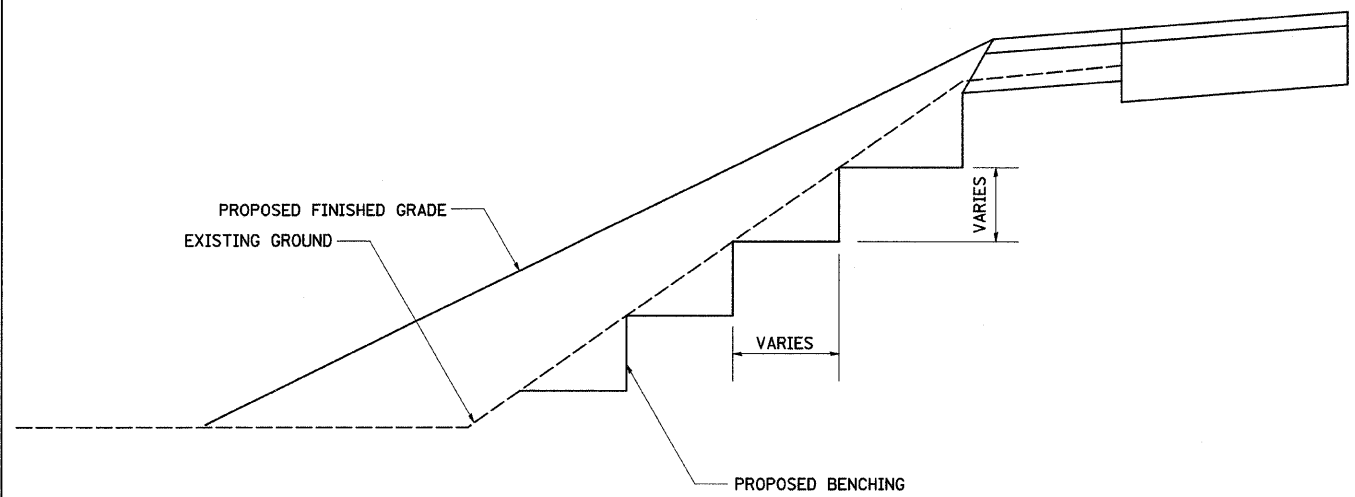
REVISED 1-31-00

PLOT DATE = Mon Dec 03 14:38:22 2007  
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 PLOT SCALE = 5000000 / 1 IN.  
 REFERENCE = WHER\*

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	71
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

(ILL 173)

# TYPICAL BENCHING ON EXISTING EMBANKMENT



**TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4**

REVISED 2-22-06

# LETTERING FOR NAME PLATE

STATION  
 BUILT 200 BY  
 STATE OF ILLINOIS  
 RTE. SEC.  
 FA PROJECT  
 LOADING HS 20  
 STR. NO.

SEE STD. 515001

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

**LETTERING FOR NAME PLATE 89.4**

REVISED 10-15-04

# TREE REPLACEMENT SCHEDULE

CODE NUMBER	SCIENTIFIC NAME	COMMON NAME	SIZE	UNIT	QUANTITY
B2004814	MALUS SARGENTII	SARGENT CRABAPPLE	1-3/4 INCH CALIPER, BALLED AND BURLAPPED	EACH	24

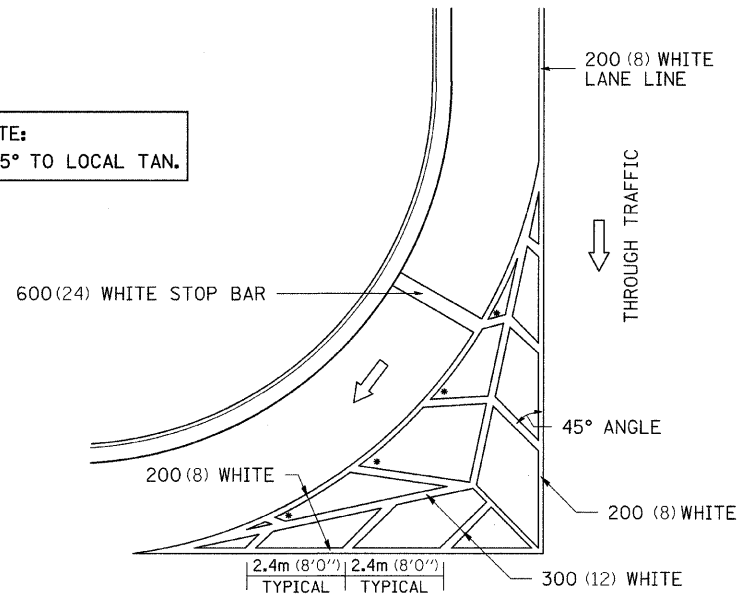
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

**TREE REPLACEMENT SCHEDULE 90.4**

REVISED 8-10-05

# TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:  
\* 45° TO LOCAL TAN.



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

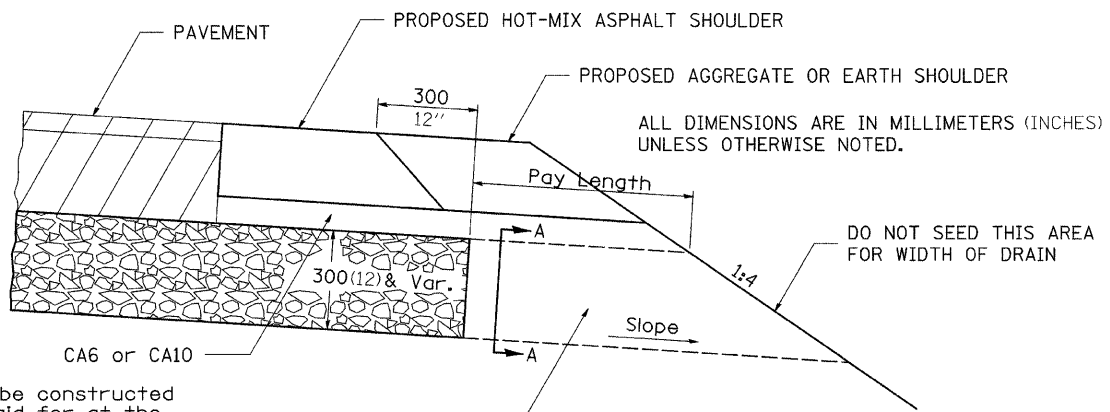
**TYPICAL MARKING FOR PAINTED ISLANDS 93.4**

REVISED 2-7-05

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	72
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

•(IL 173)

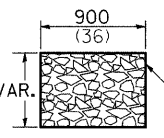
# DRAIN FOR AGGREGATE BASE COURSE



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

**NOTES:**

The rock outlets shall be constructed using CA7 and will be paid for at the contract unit price per m<sup>2</sup> (SQ. YD.) for DRAIN FOR AGGREGATE BASE COURSE. The thickness shall be the same as the adjacent sub-base material as noted on the plans and shall include the cost of the filter fabric. The Rock outlets will be measured in m<sup>2</sup> (SQ. YD.), the width being 900 (36) by the length shown above. The cost of the CA6 or CA10 under the shoulder shall be included in the contract unit price per m<sup>2</sup> (SQ. YD.) for SUB-BASE GRANULAR MATERIAL, TYPE A of the thickness specified. The filter fabric to be used shall conform to the filter fabric used for Riprap.



SECTION A-A

ROCK OUTLET AT ALL LOW POINTS TO BE 900 (36) WIDE AND EXTEND TO FORESLOPE

NOTE: Slope same as shoulder with 2% min.

X0325519

## DRAIN FOR AGGREGATE BASE COURSE 96.4

REVISED 10-10-06

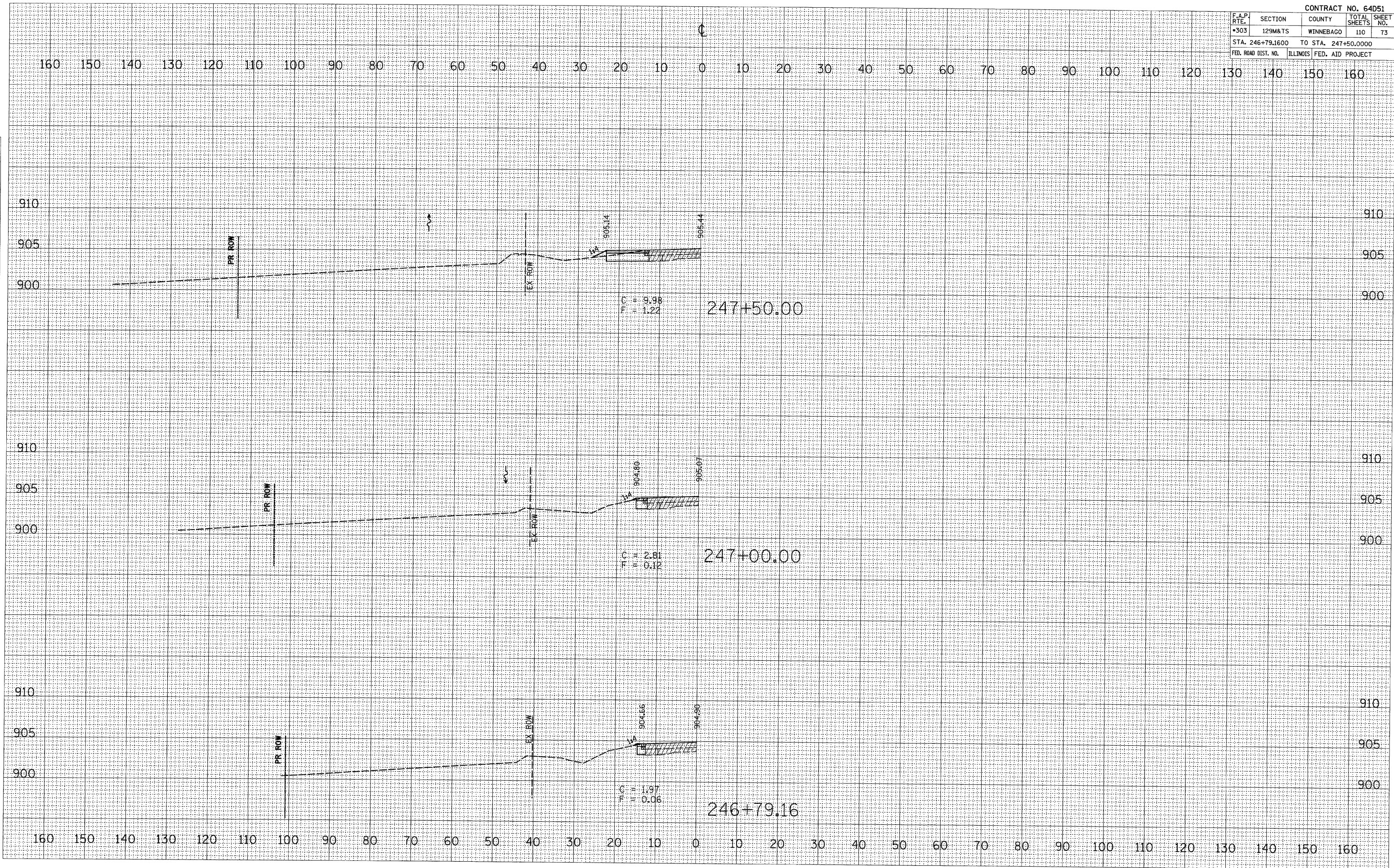


CONTRACT NO. 64D51				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	73
STA. 246+79.1600		TO STA. 247+50.0000		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

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 PLOT SCALE = 10.000  
 USER NAME = poljma



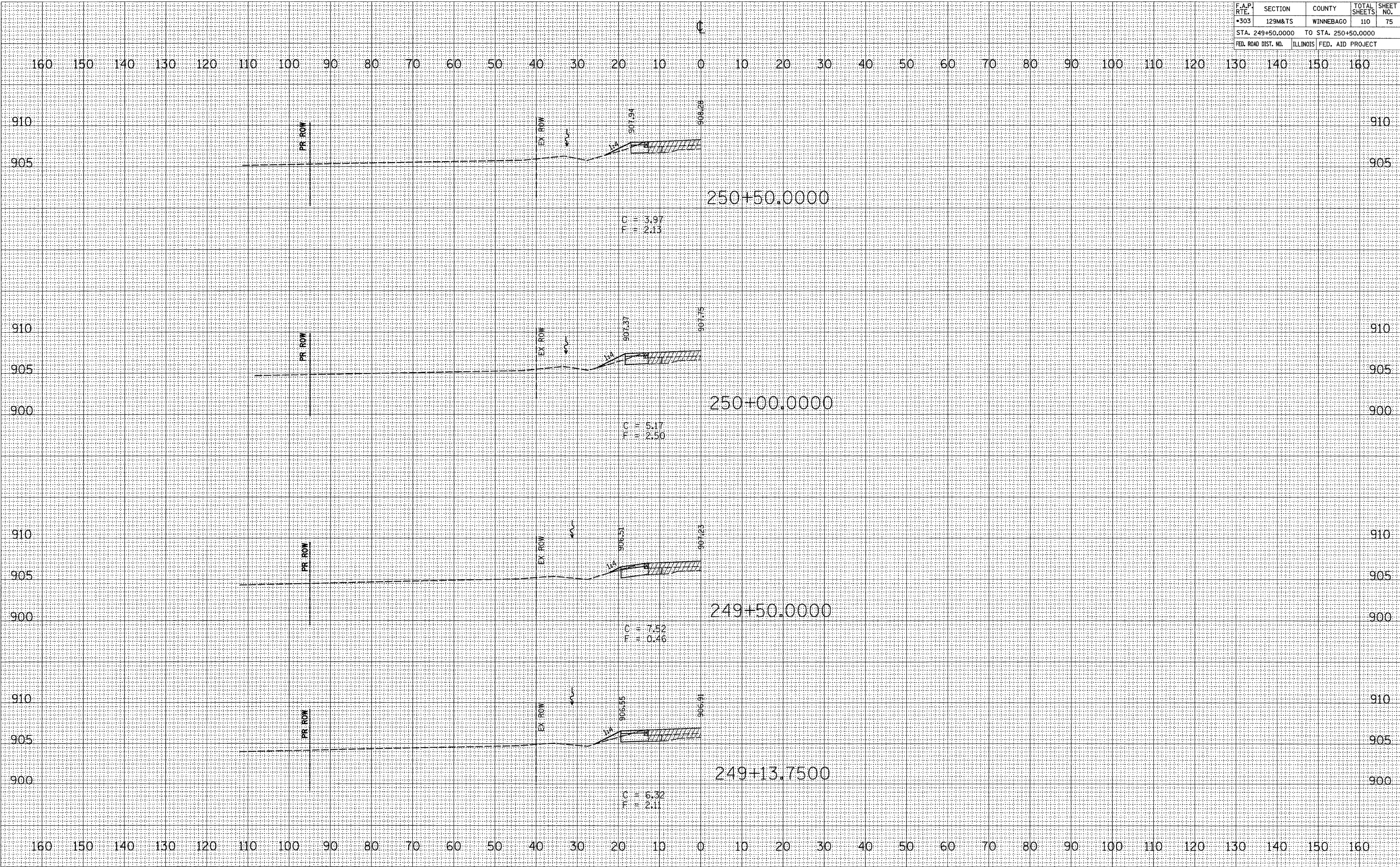


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•303	129M&TS	WINNEBAGO	110	75
STA. 249+50.0000		TO STA. 250+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID	PROJECT	

DATE	
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SURVEYED	
PLOTTED	
NOTED	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTED	
AREAS CHECKED	
NO.	

PLOT DATE = Mon, Dec 03, 14:47:43, 2007  
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 USER NAME = polstra

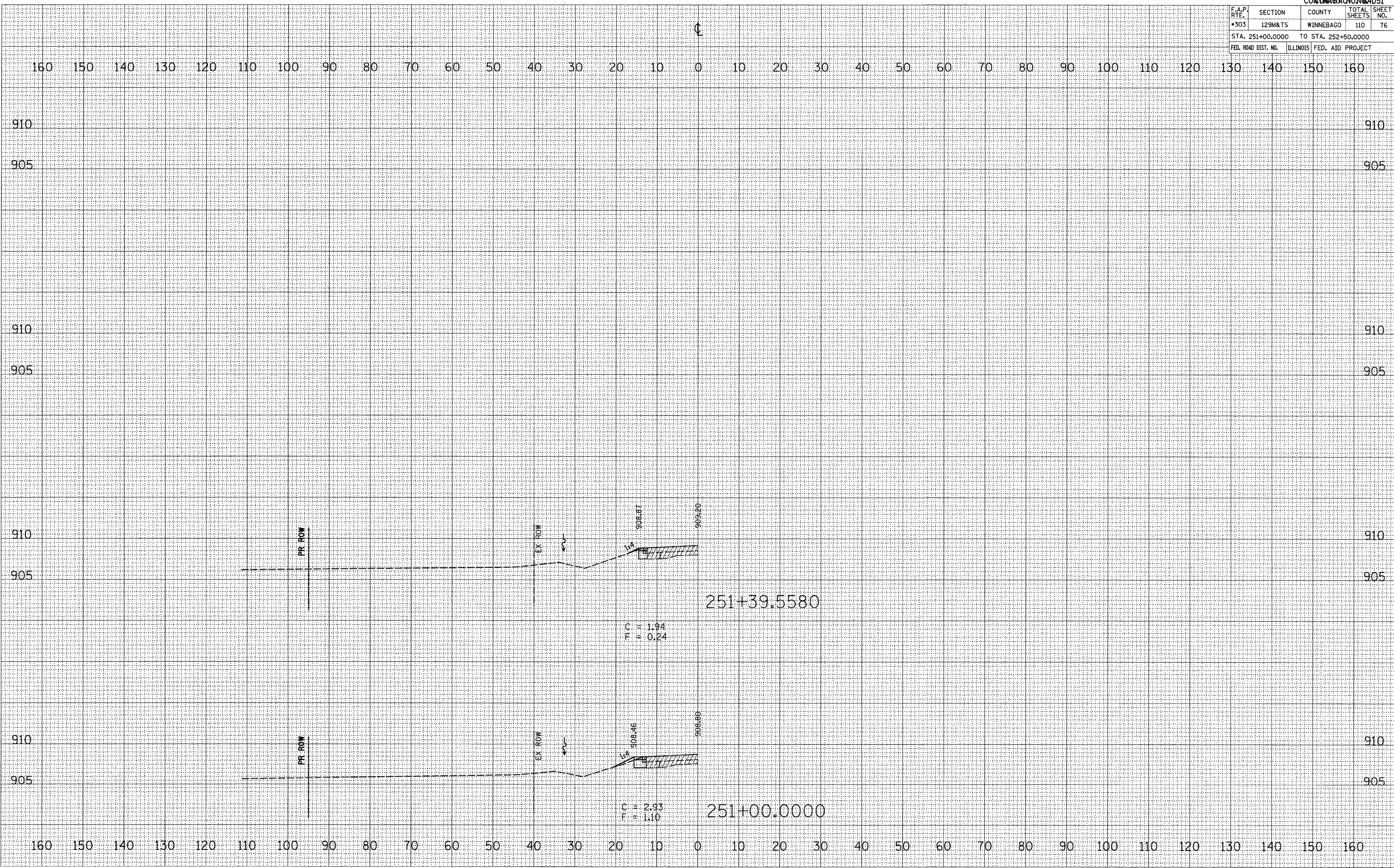


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	76
STA. 251+00.0000		TO STA. 252+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
DATE	
AREAS	
CHECKED	
NO.	

PLOT DATE = Mon Dec 03 14:47:43 2007  
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 PLOT SCALE = 18.0000 / IN.  
 USER NAME = polzma.j



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	77
STA. 100+50.0000		TO STA. 100+92.2430		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

BY	DATE

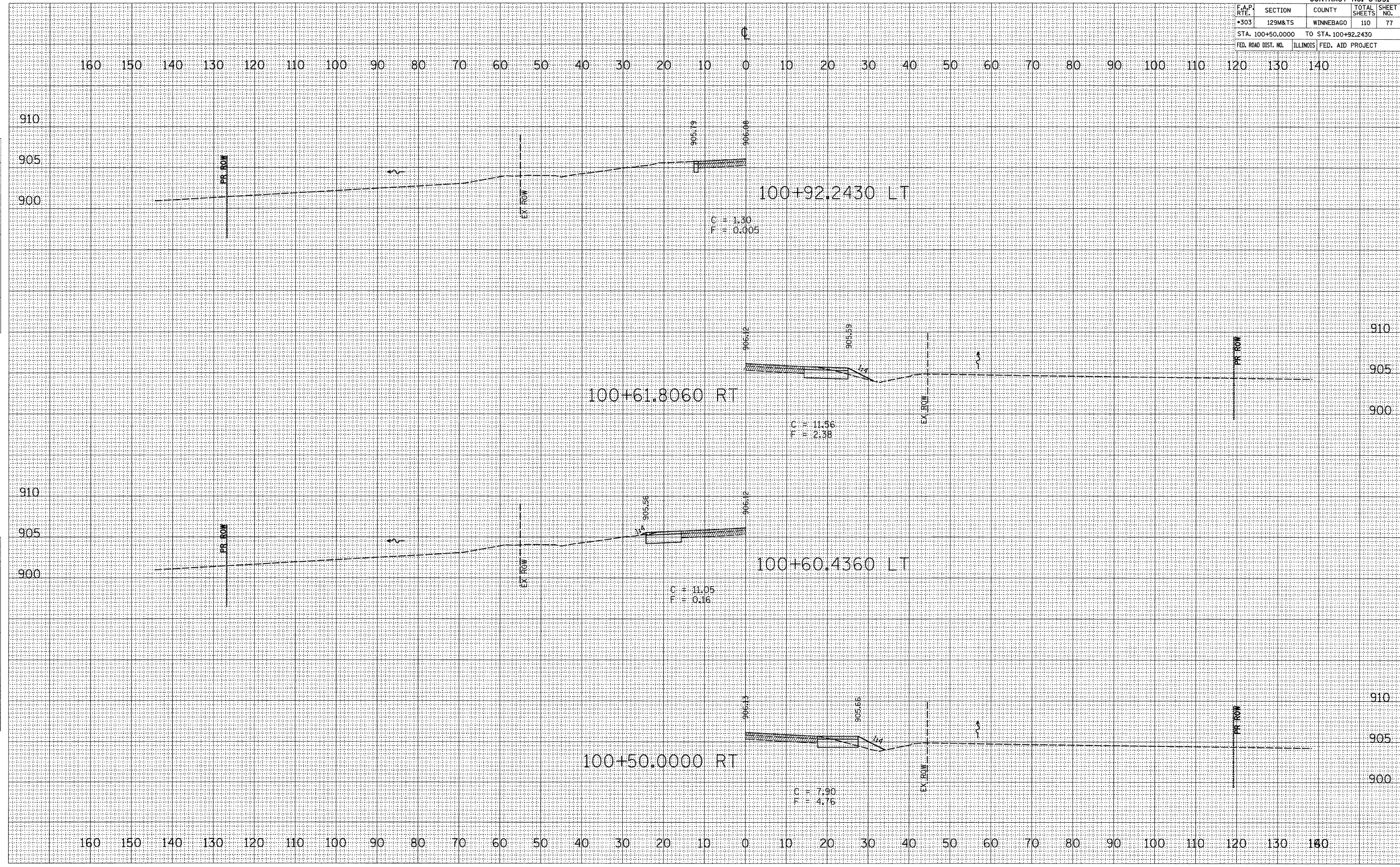
FINAL SURVEY	DATE

BY	DATE

ORIGINAL SURVEY	DATE

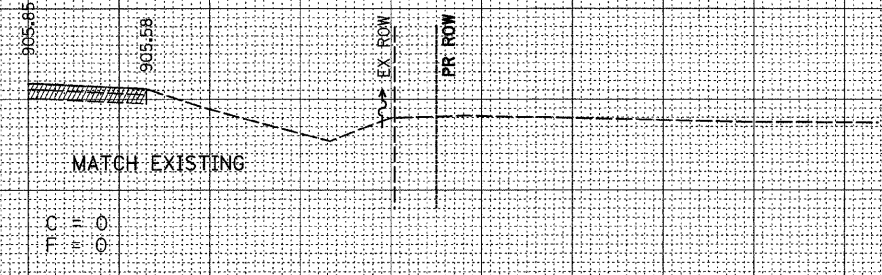
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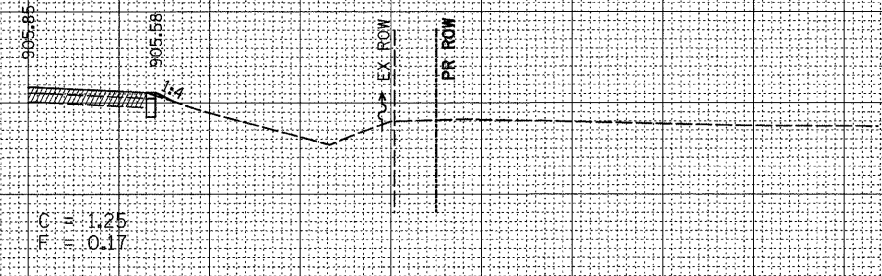
**TEMPORARY WIDENING  
 BELVIDERE/ARGYLE ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*303	129M&TS	WINNEBAGO	110	78
STA. 101+00.0000		TO STA. 101+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

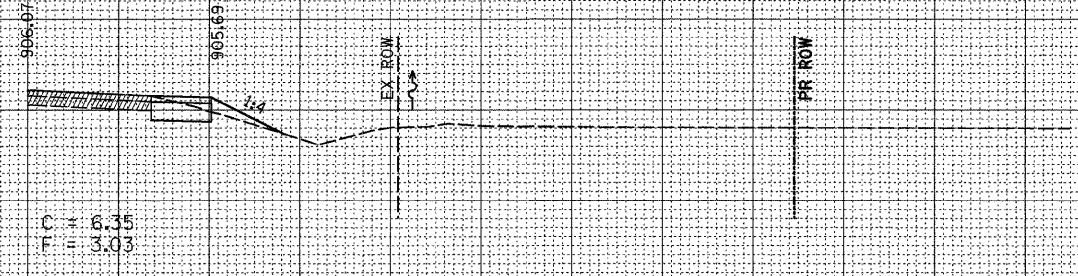
CL



101+50.0000



101+49.5380



101+00.0000

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

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

DATE	BY

FINAL SURVEY  
NOTE BOOK NO. \_\_\_\_\_

SURVEYED \_\_\_\_\_  
PLOTTED \_\_\_\_\_  
DATE \_\_\_\_\_  
AREAS CHECKED \_\_\_\_\_

DATE	BY

ORIGINAL SURVEY  
NOTE BOOK NO. \_\_\_\_\_

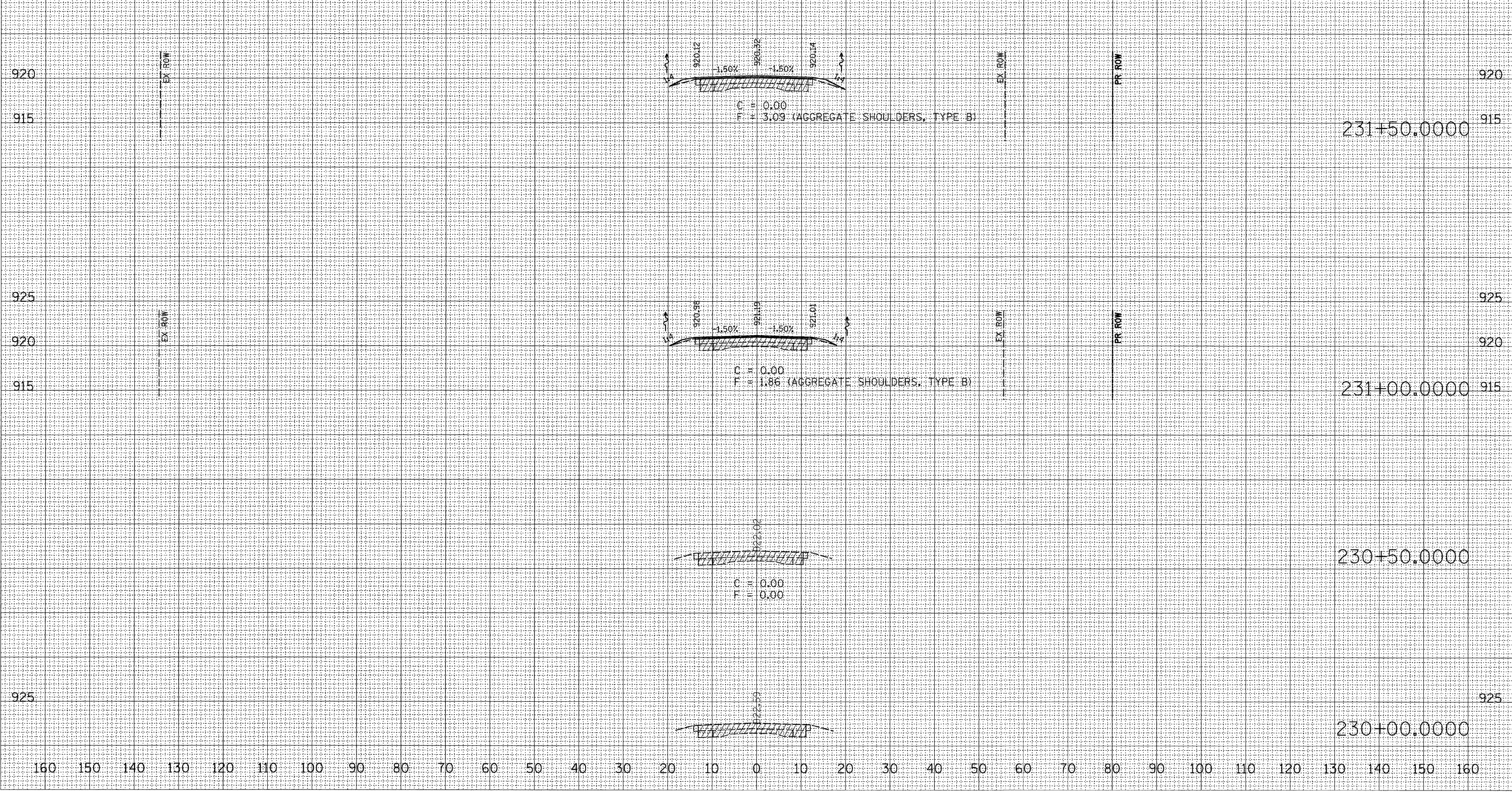
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PLOTTED \_\_\_\_\_  
DATE \_\_\_\_\_  
AREAS CHECKED \_\_\_\_\_

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 PLOT SCALE = 1/8" = 1' / IN.  
 USER NAME = polzma,j

**TEMPORARY WIDENING  
BELVIDERE/ARGYLE ROAD**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	79
STA. 230+00.0000		TO STA. 231+50.0000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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



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

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

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 USER NAME = polzamej

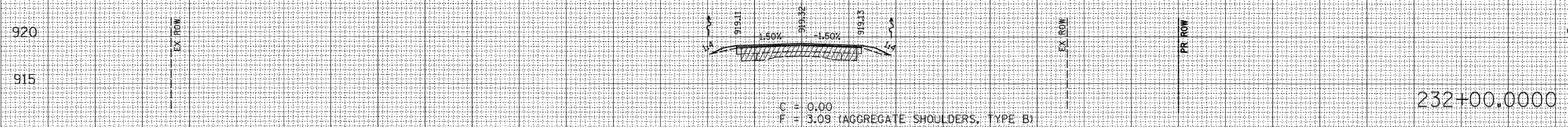
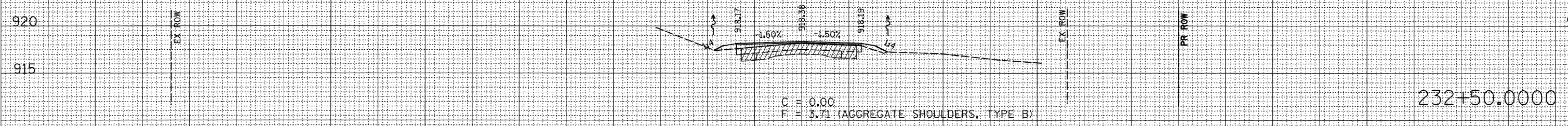
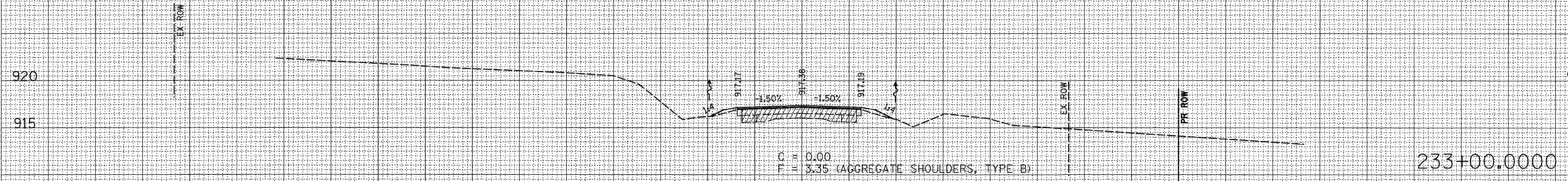
160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160

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

FINAL SURVEY  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 BY \_\_\_\_\_  
 DATE \_\_\_\_\_

ORIGINAL SURVEY  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_  
 BY \_\_\_\_\_  
 DATE \_\_\_\_\_

PLOT DATE = Mon Dec 03 15:49:19 2007  
 FILE NAME = c:\pvs\pvs2\29707\29707.dwg  
 PLOT SCALE = 10.0000 / IN.  
 USER NAME = polzmej



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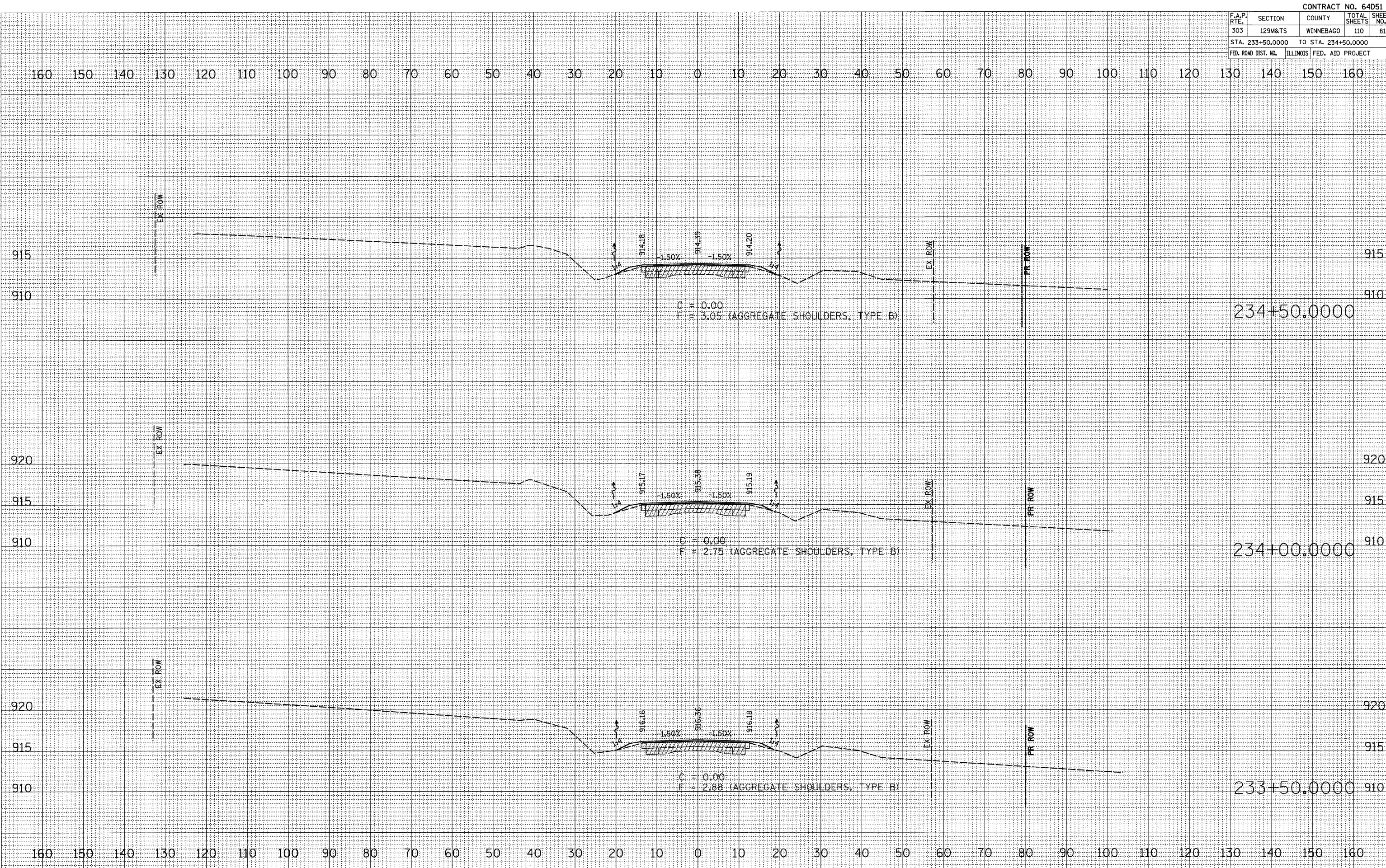


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	81
STA. 233+50.0000		TO STA. 234+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

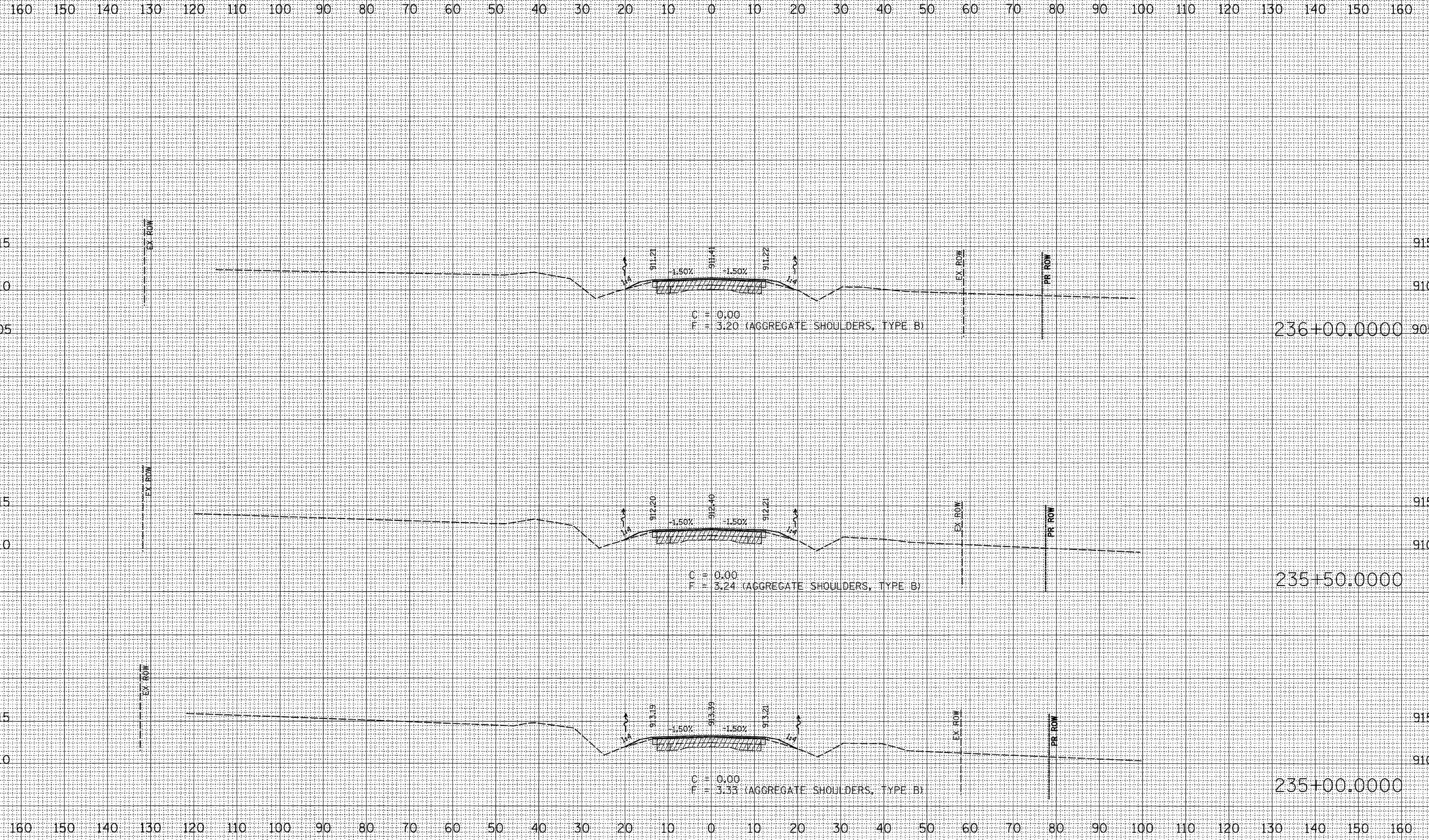
DATE	BY

DATE	BY

PLOT DATE = Mon Dec 03 15:49:28 2007  
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 PLOT SCALE = 1/8" = 1' IN.  
 USER NAME = polannej



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	82
STA. 235+00.0000		TO STA. 236+00.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

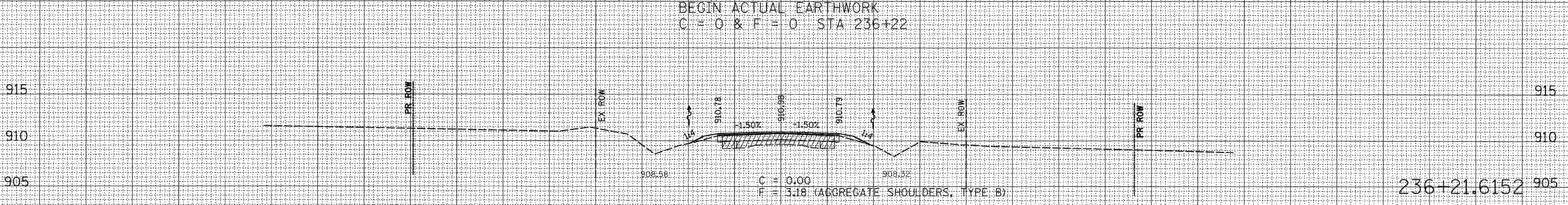
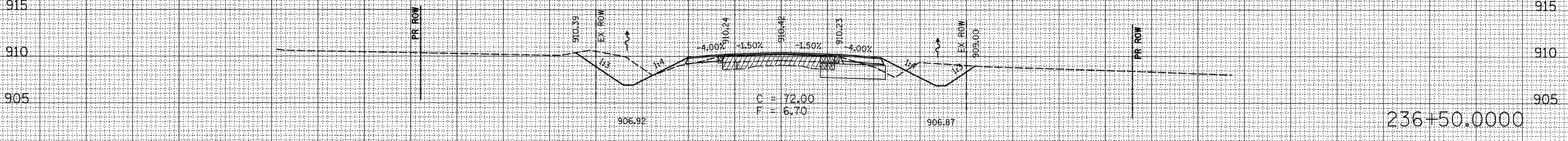
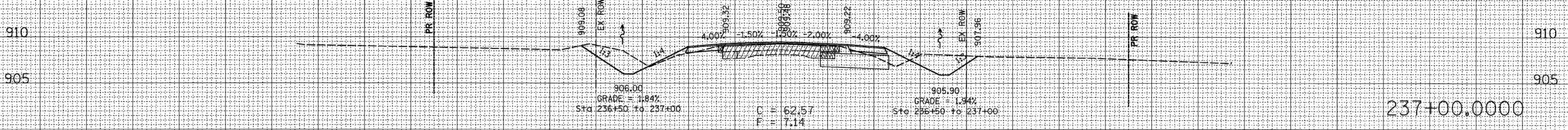
DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

PLOT DATE = Mon Dec 03 15:45:28 2007  
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 USER NAME = polstamj

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	83
STA. 236+21.6152		TO STA. 237+00.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



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

DATE \_\_\_\_\_ BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

PLOT DATE = Mon Dec 03 15:49:28 2007  
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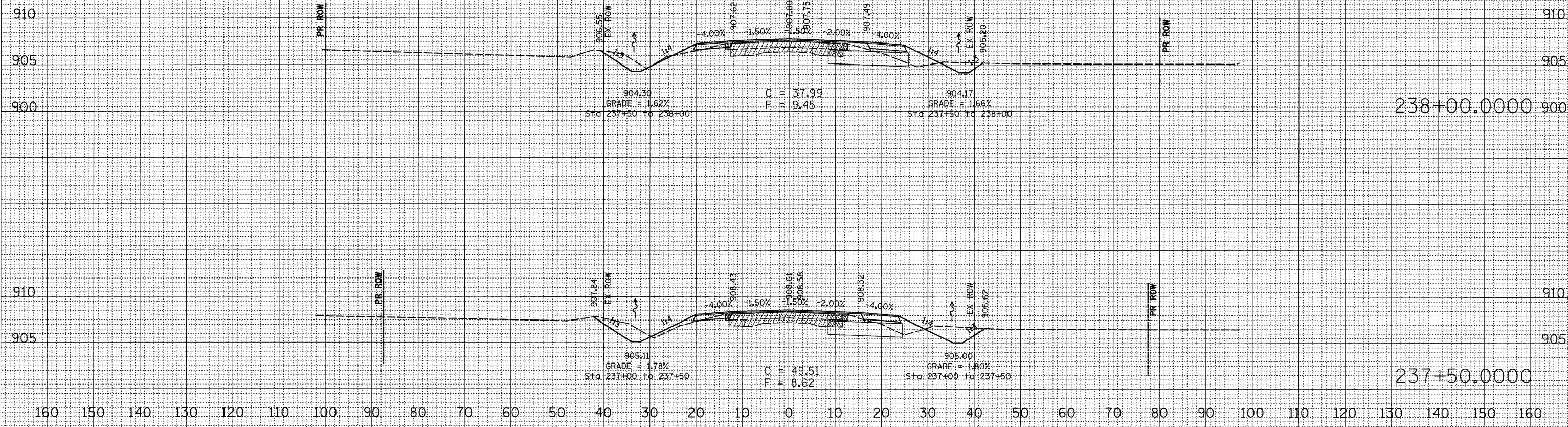
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	84
STA. 237+50.0000 TO STA. 238+38.8000				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

DATE	BY

DATE	BY

PLOT DATE = Mon Dec 03 15:49:28 2007  
 FILE NAME = c:\projects\237+50\237+50.dwg  
 PLOT SCALE = 1/8" = 1' IN.  
 USER NAME = polzma.j



238+00.0000

237+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	85
STA. 238+50.0000		TO STA. 239+50.0000		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

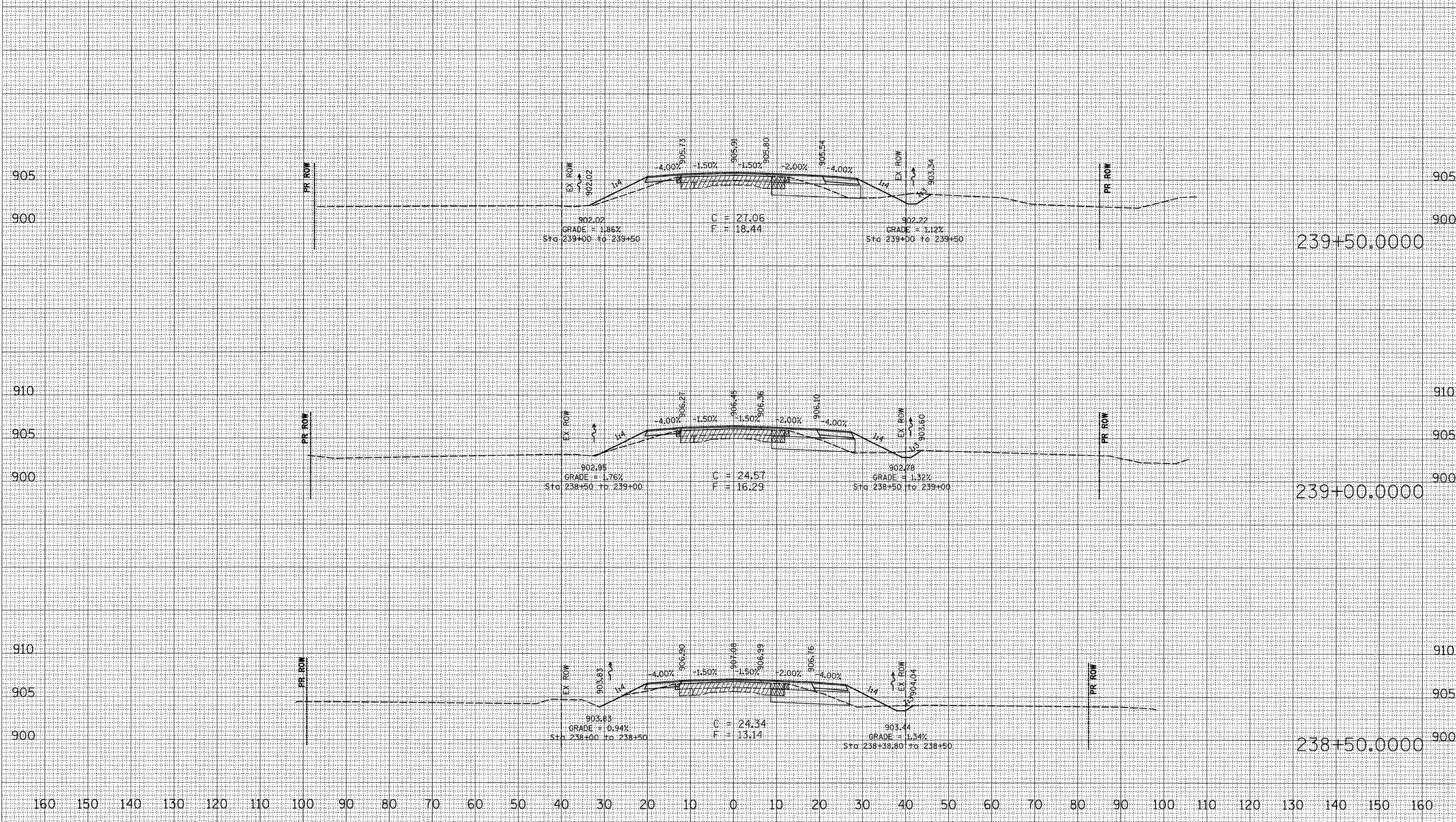
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DATE	BY

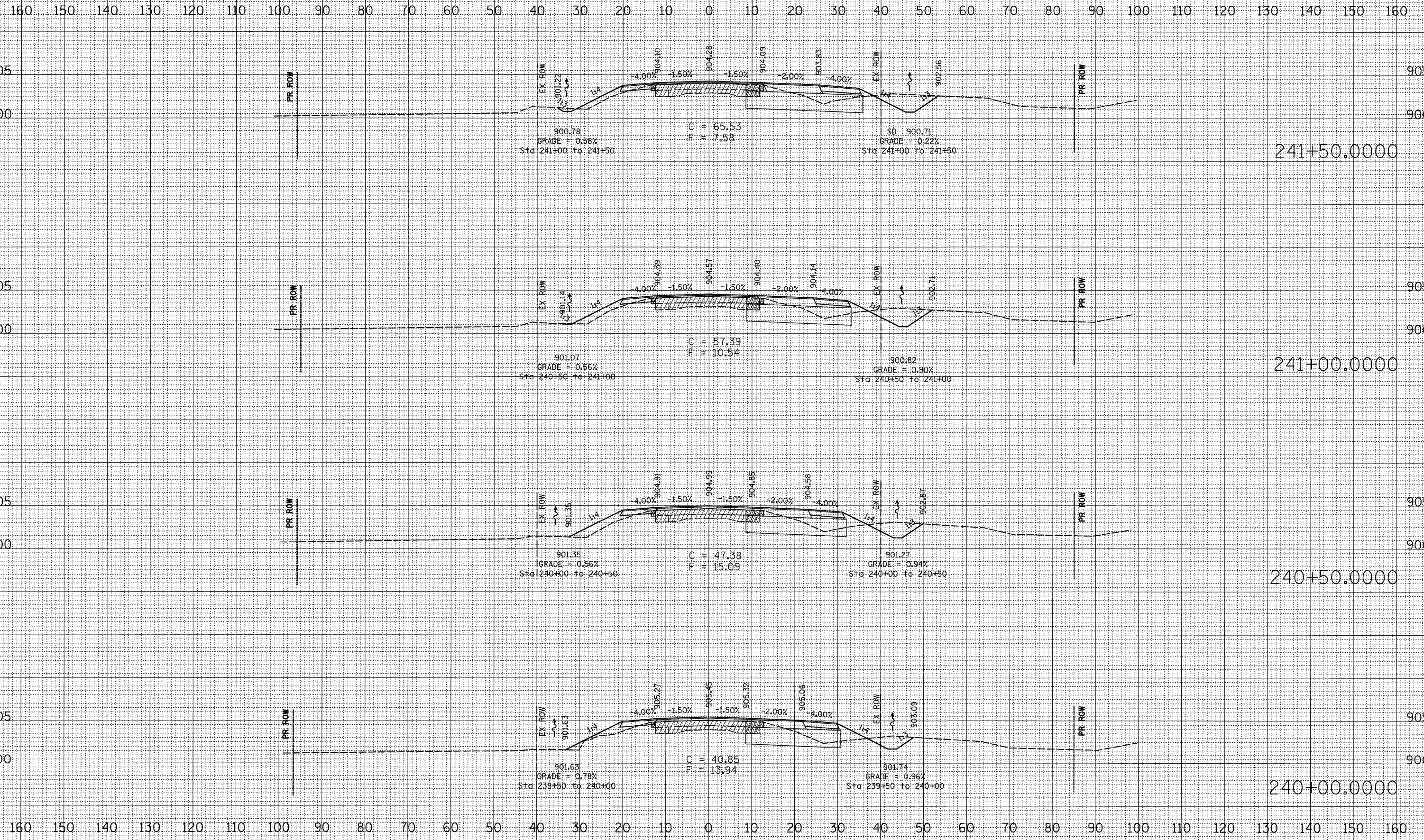
DATE	BY

DATE	BY

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 USER NAME = polzma



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	86
STA. 240+00.0000 TO STA. 241+50.0000				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
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 FINAL SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
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 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_

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 USER NAME = polstraj

BY \_\_\_\_\_ DATE \_\_\_\_\_

FINAL SURVEY SURVEYED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_

NO. \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_

ORIGINAL SURVEY SURVEYED \_\_\_\_\_

NOTE BOOK \_\_\_\_\_

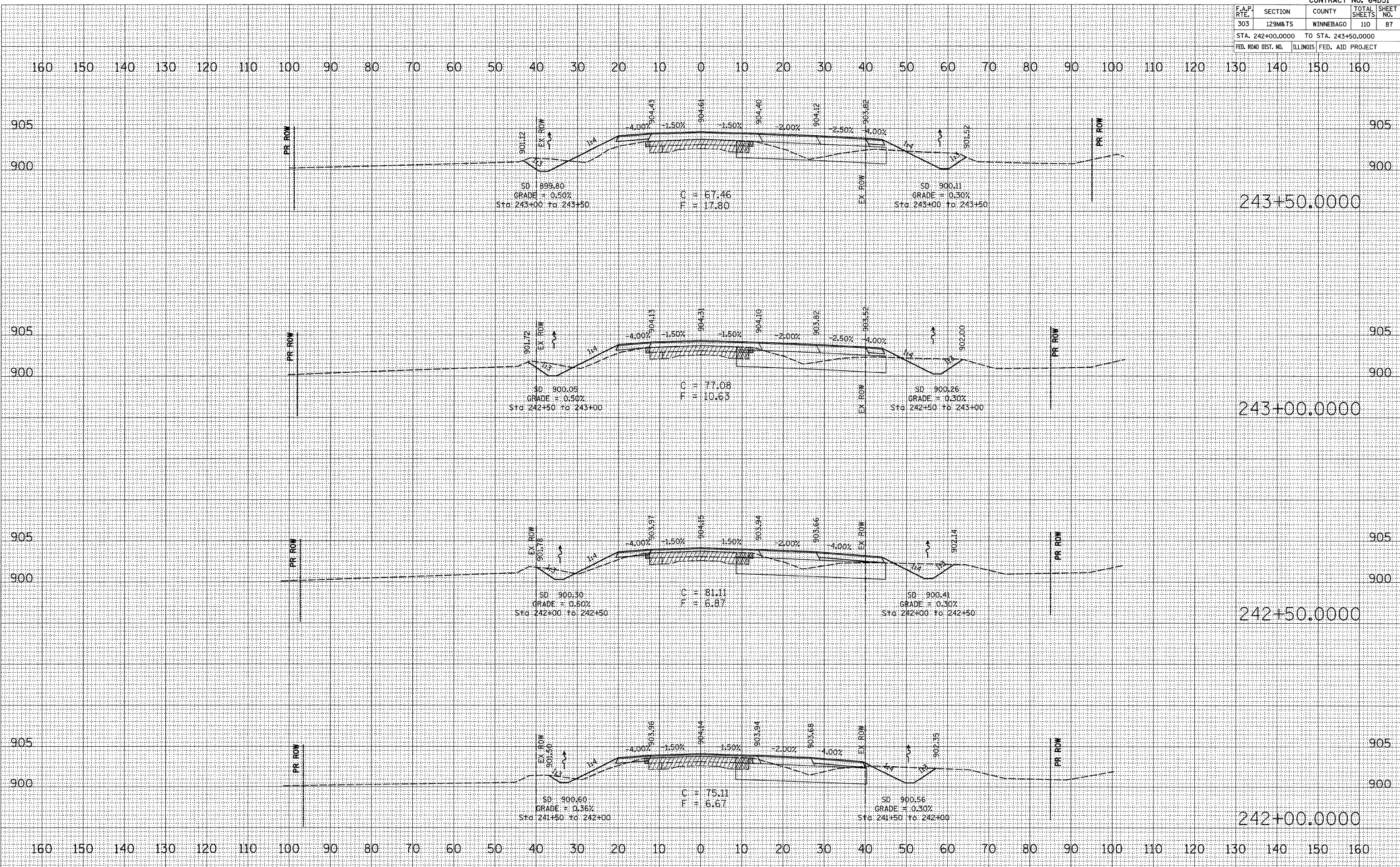
NO. \_\_\_\_\_

PLOT DATE = Mon Dec 03 15:49:24 2007

FILE NAME = c:\projects\242+00\173\173.dwg

PLOT SCALE = 1/8" = 100'

USER NAME = palzme\_j



243+50.0000

243+00.0000

242+50.0000

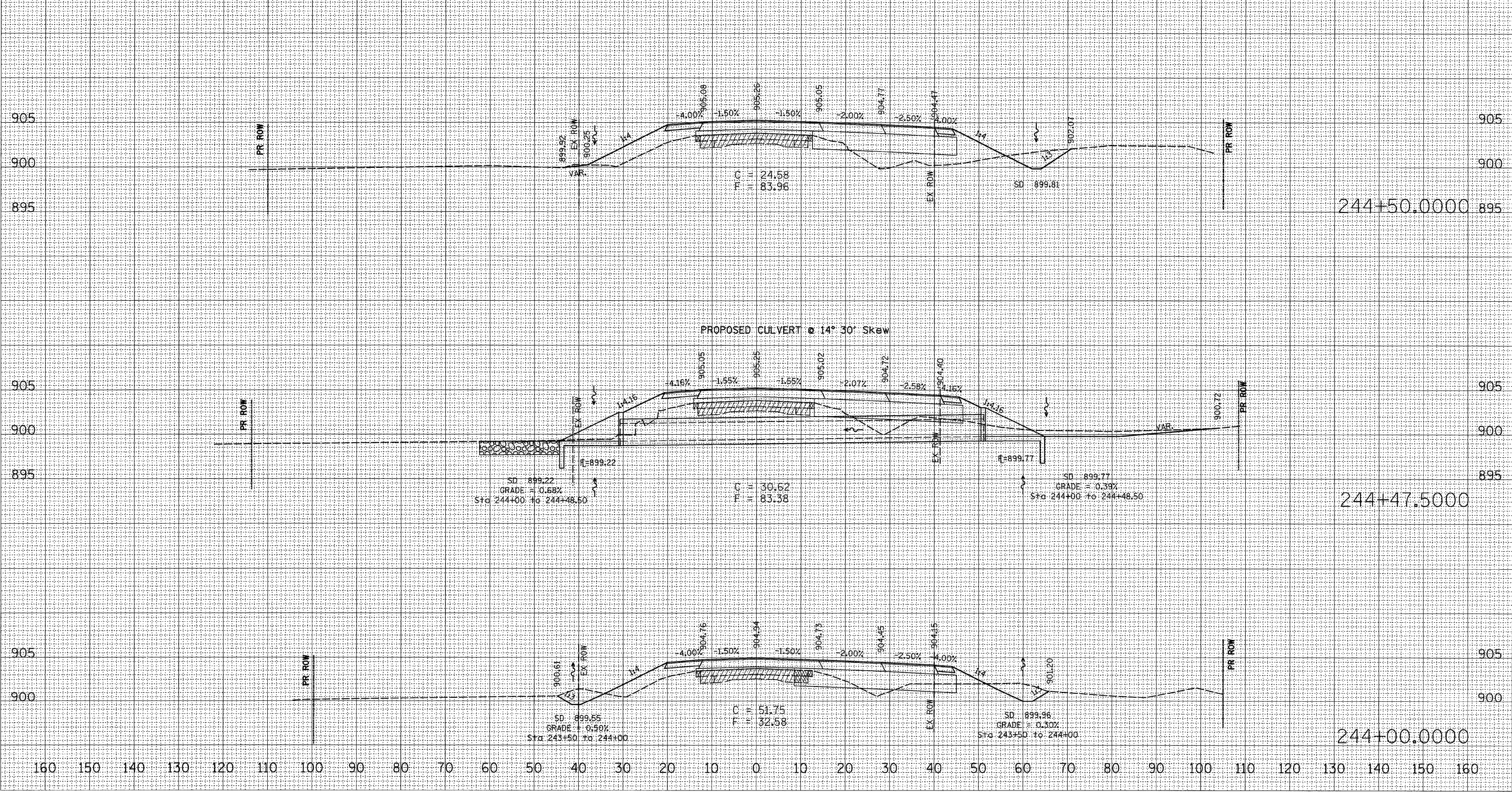
242+00.0000

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

BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 FINAL SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 ORIGINAL SURVEY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 NO. \_\_\_\_\_

PLOT DATE = Mon Dec 83 15:49:22 2007  
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 USER NAME = polzmoj



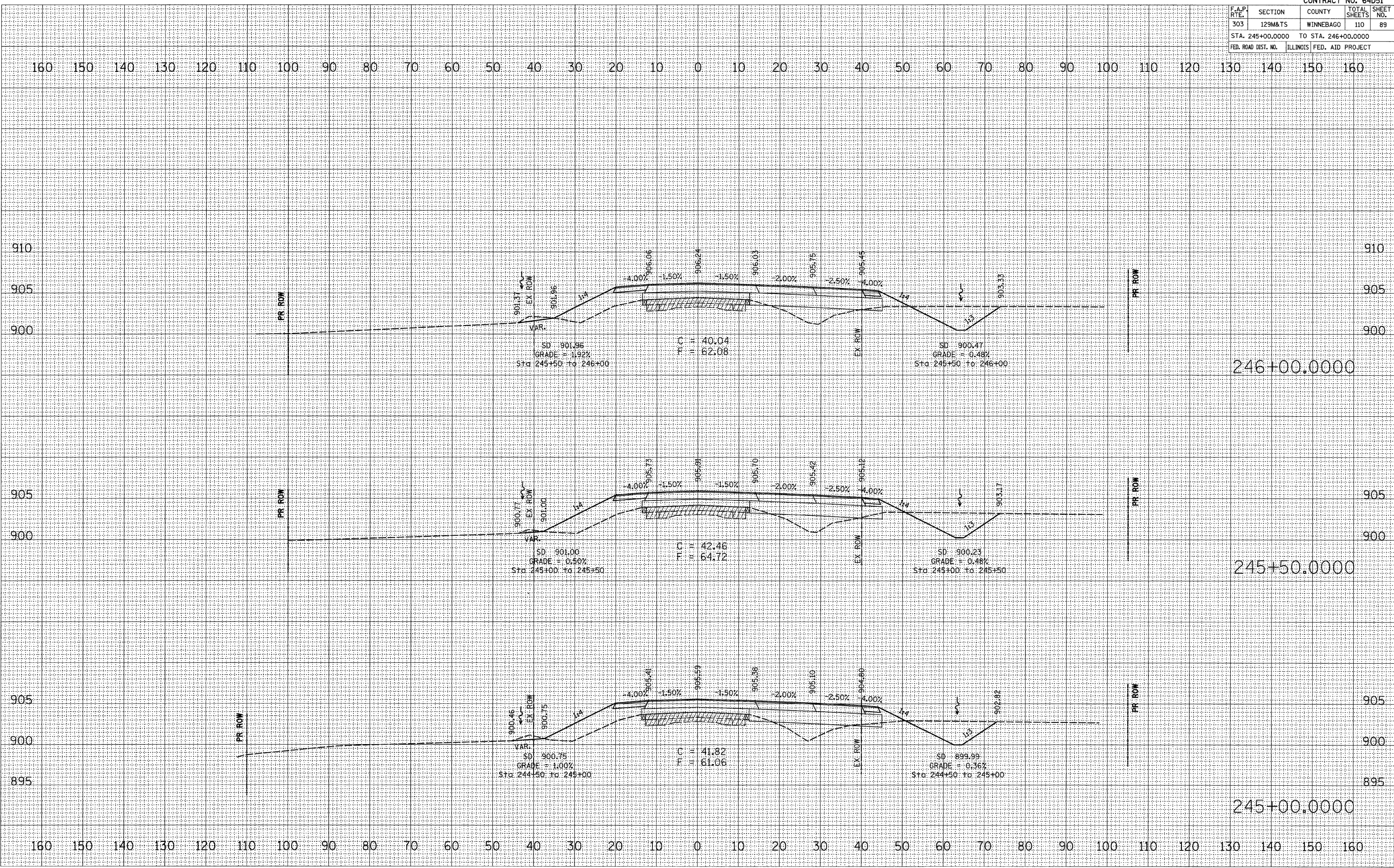


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	89
STA. 245+00.0000 TO STA. 246+00.0000				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	BY

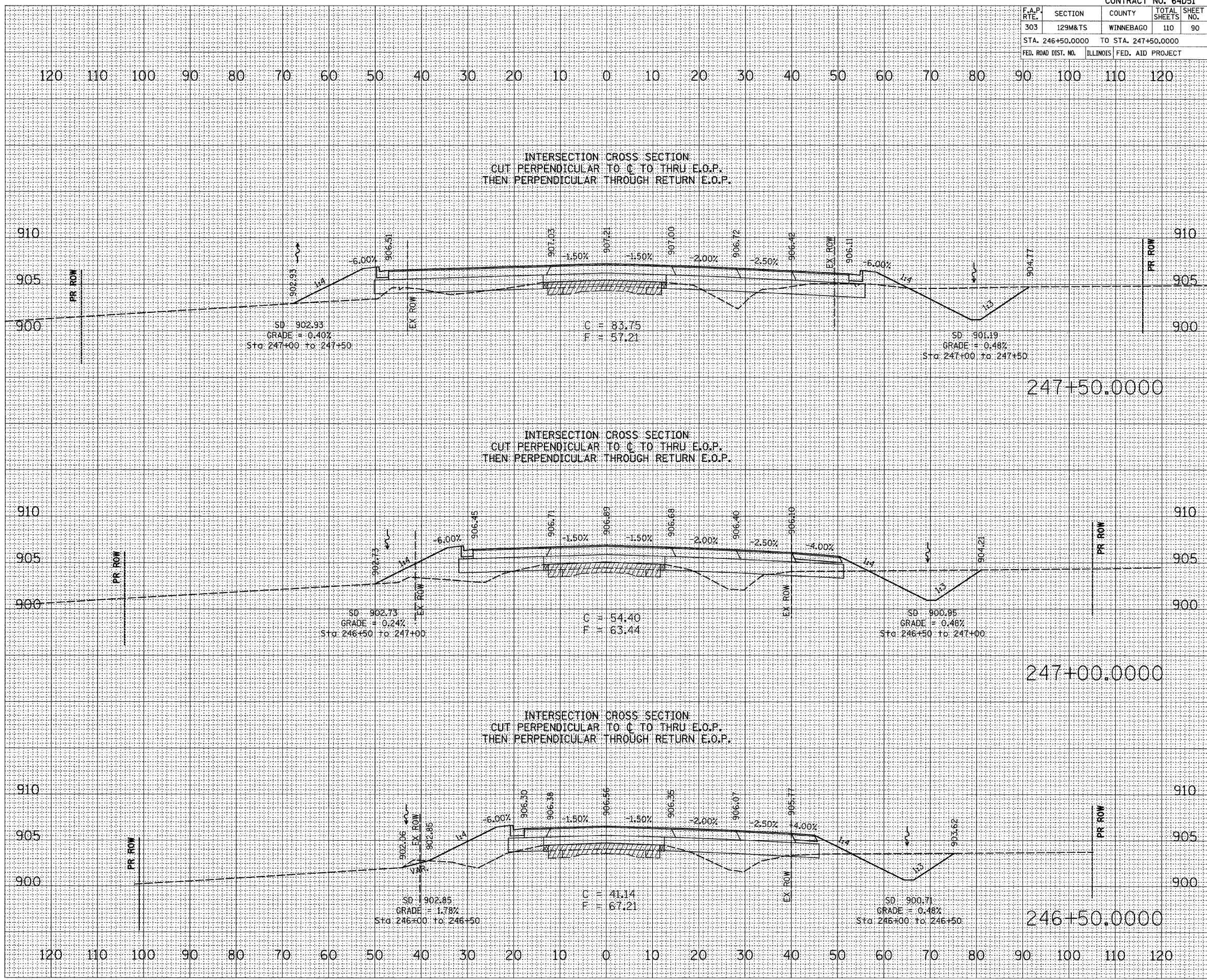
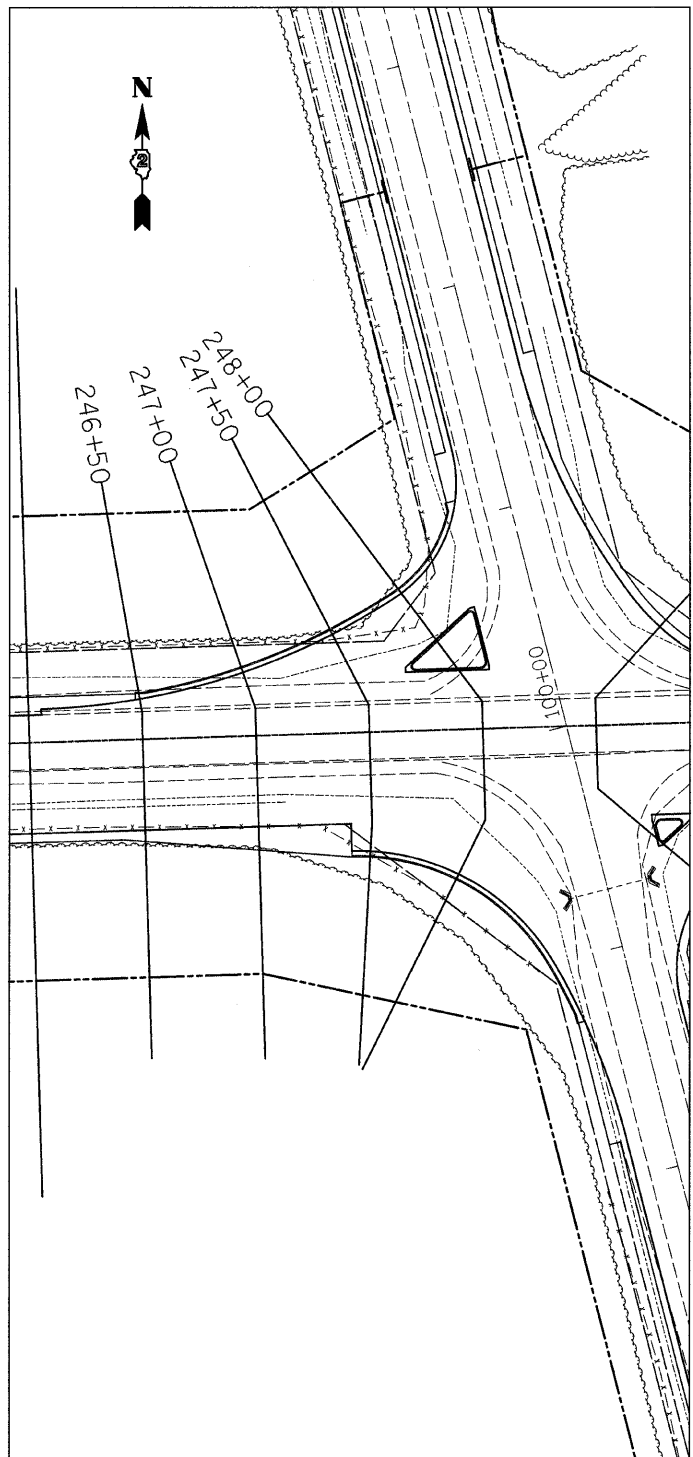
DATE	BY

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 USER NAME = polzamej



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	90
STA. 246+50.0000		TO STA. 247+50.0000		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

40 SCALE DETAIL



DATE	BY

DATE	BY

PLOT DATE = Nov Dec 03 15:49:10 2007  
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 USER NAME = polstamej

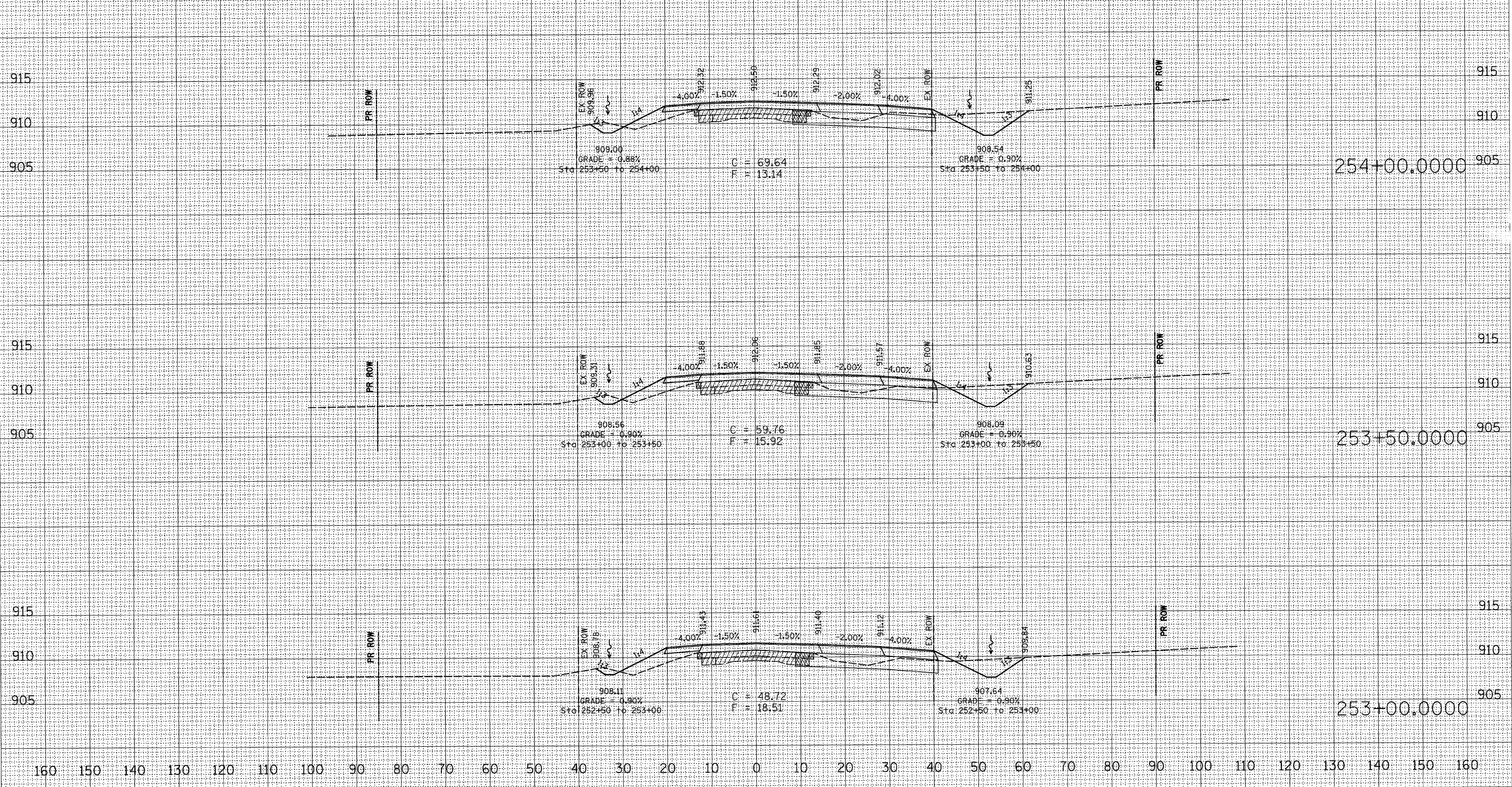






F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	94
STA. 253+00.0000 TO STA. 254+00.0000				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



PROPOSED IL RTE 173

DATE	BY

DATE	BY

PLOT DATE = Mon Dec 03 15:49:23 2007  
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 PLOT SCALE = 1/8" = 1' / IN.  
 USER NAME = polzmej



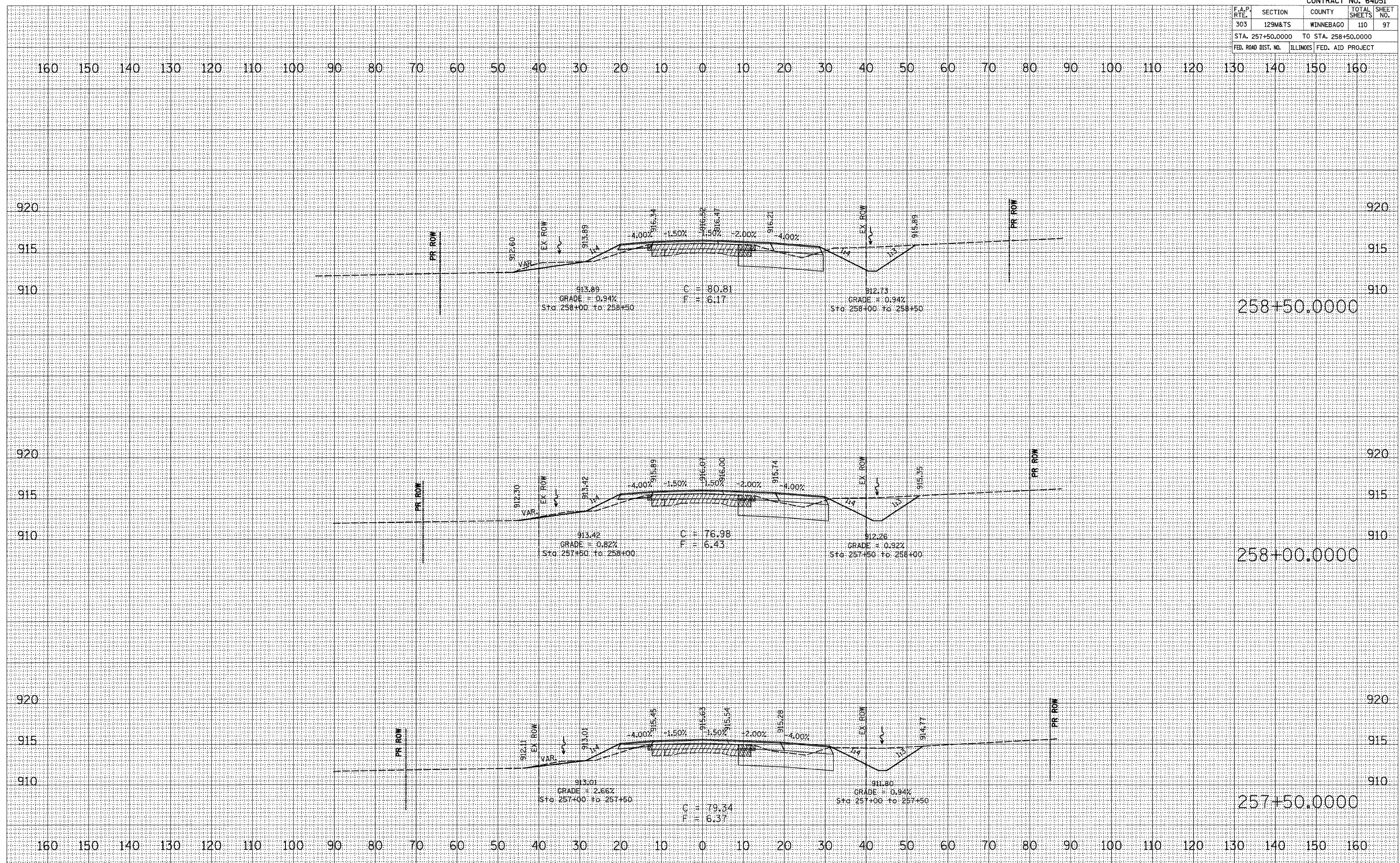




FINAL SURVEY  
 SURVEYED  
 TEMPLATE  
 NOTE BOOK  
 AREAS CHECKED

ORIGINAL SURVEY  
 SURVEYED  
 TEMPLATE  
 NOTE BOOK  
 AREAS CHECKED

PLOT DATE = Mon Dec 03 15:49:23 2007  
 FILE NAME = c:\p\pro\jevs\2287707\2287707.mxd  
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 USER NAME = polinnaj



258+50.0000

258+00.0000

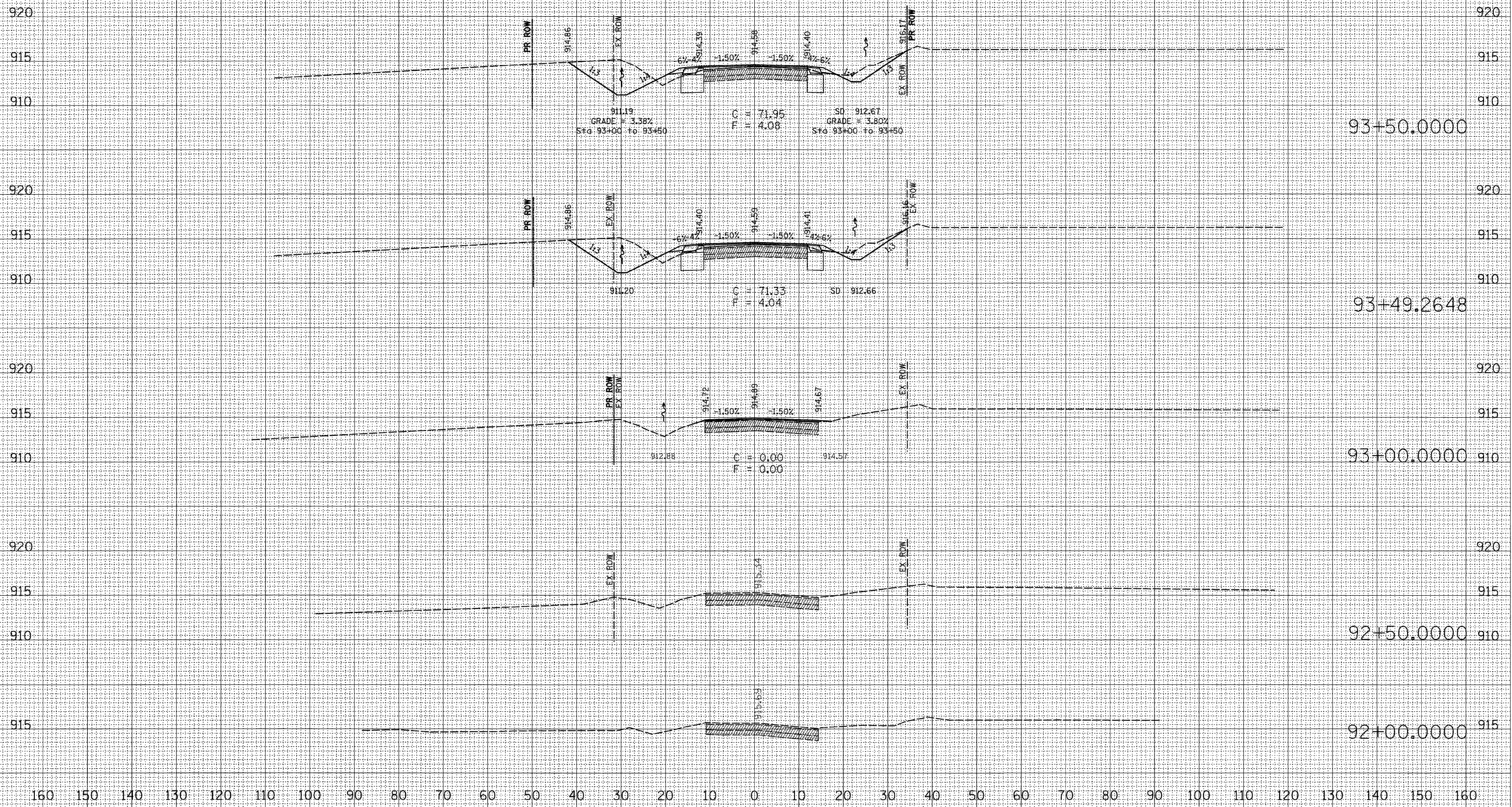
257+50.0000





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	100
STA. 92+00.0000		TO STA. 93+50.0000		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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



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

**PROPOSED ARGYLE ROAD**

DATE	
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CHECKED	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
CHECKED	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

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 USER NAME = polstermj







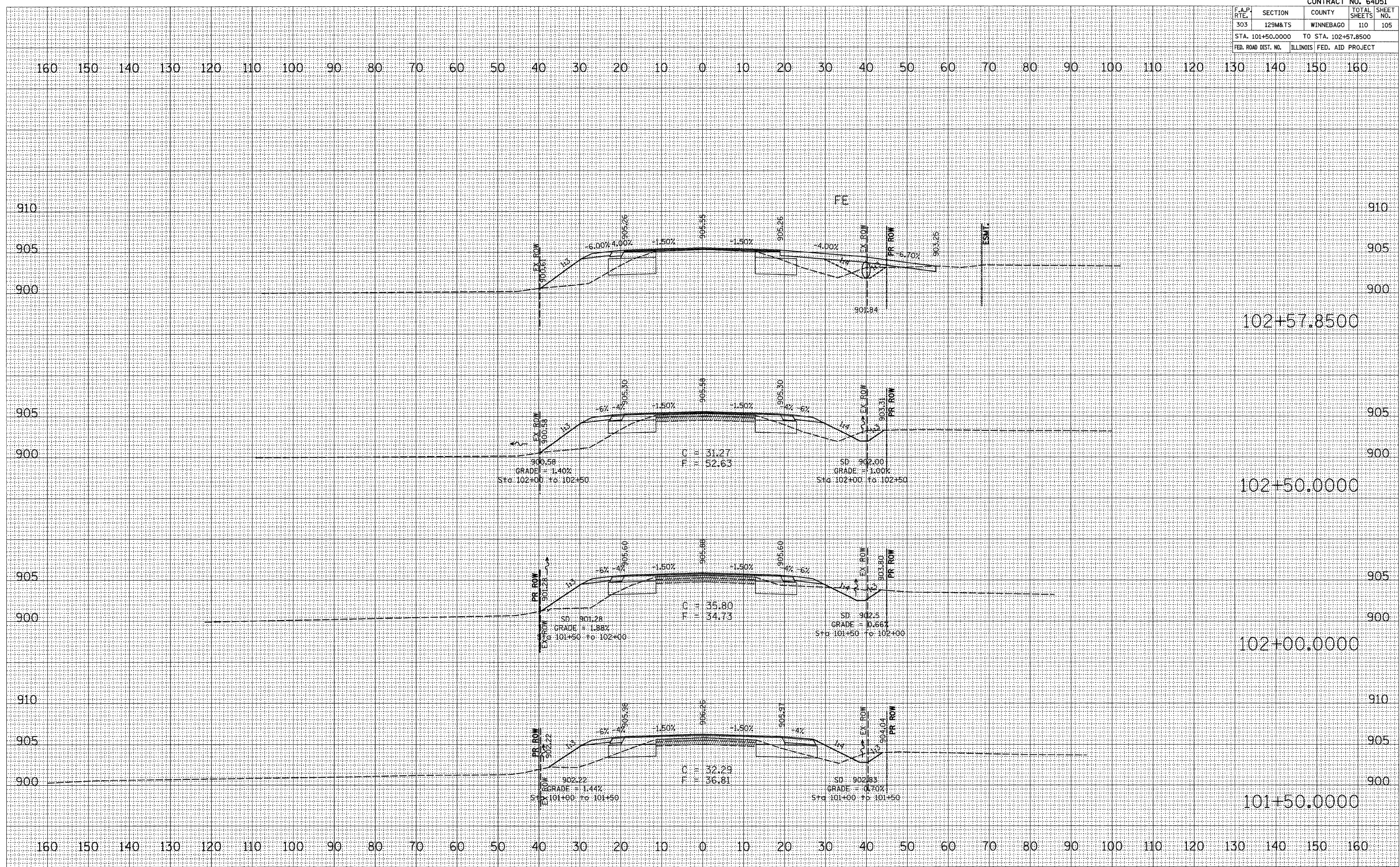




DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 SURVEY PLOTTED: \_\_\_\_\_  
 TEMPLATE AREAS CHECKED: \_\_\_\_\_  
 FINAL SURVEY NOTE BOOK NO. \_\_\_\_\_

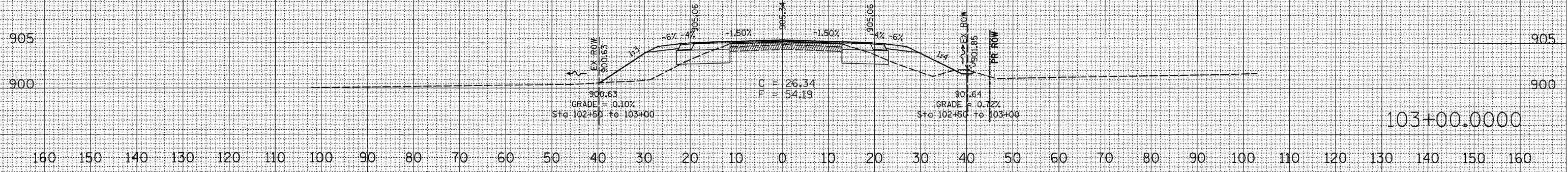
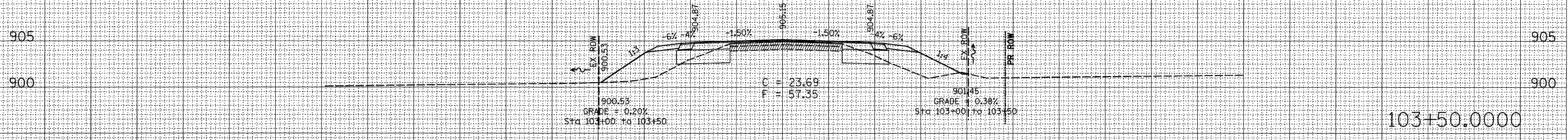
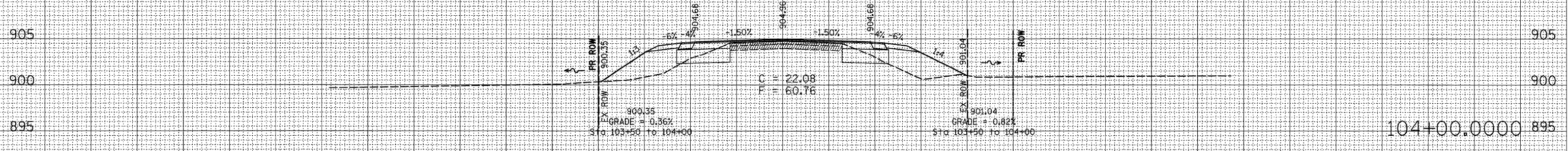
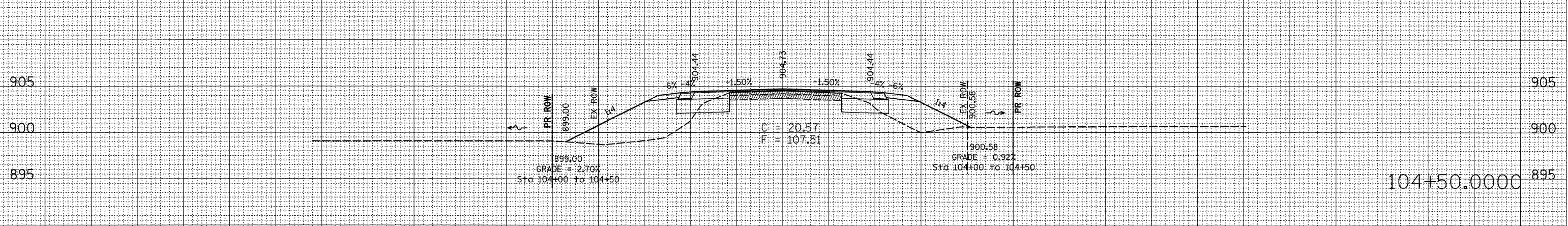
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 SURVEY PLOTTED: \_\_\_\_\_  
 TEMPLATE AREAS CHECKED: \_\_\_\_\_  
 ORIGINAL SURVEY NOTE BOOK NO. \_\_\_\_\_

PLOT DATE = Tue Dec 04 08:14:24 2007  
 FILE NAME = c:\pvc\mets\200707\081707\asLd\p\101+50.0000 - 102+57.8500.dwg  
 PLOT SCALE = 1/8" = 100'  
 USER NAME = polsterj



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	106
STA. 103+00.0000 TO STA. 104+50.0000				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

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



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

PROPOSED BELVIDERE ROAD

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

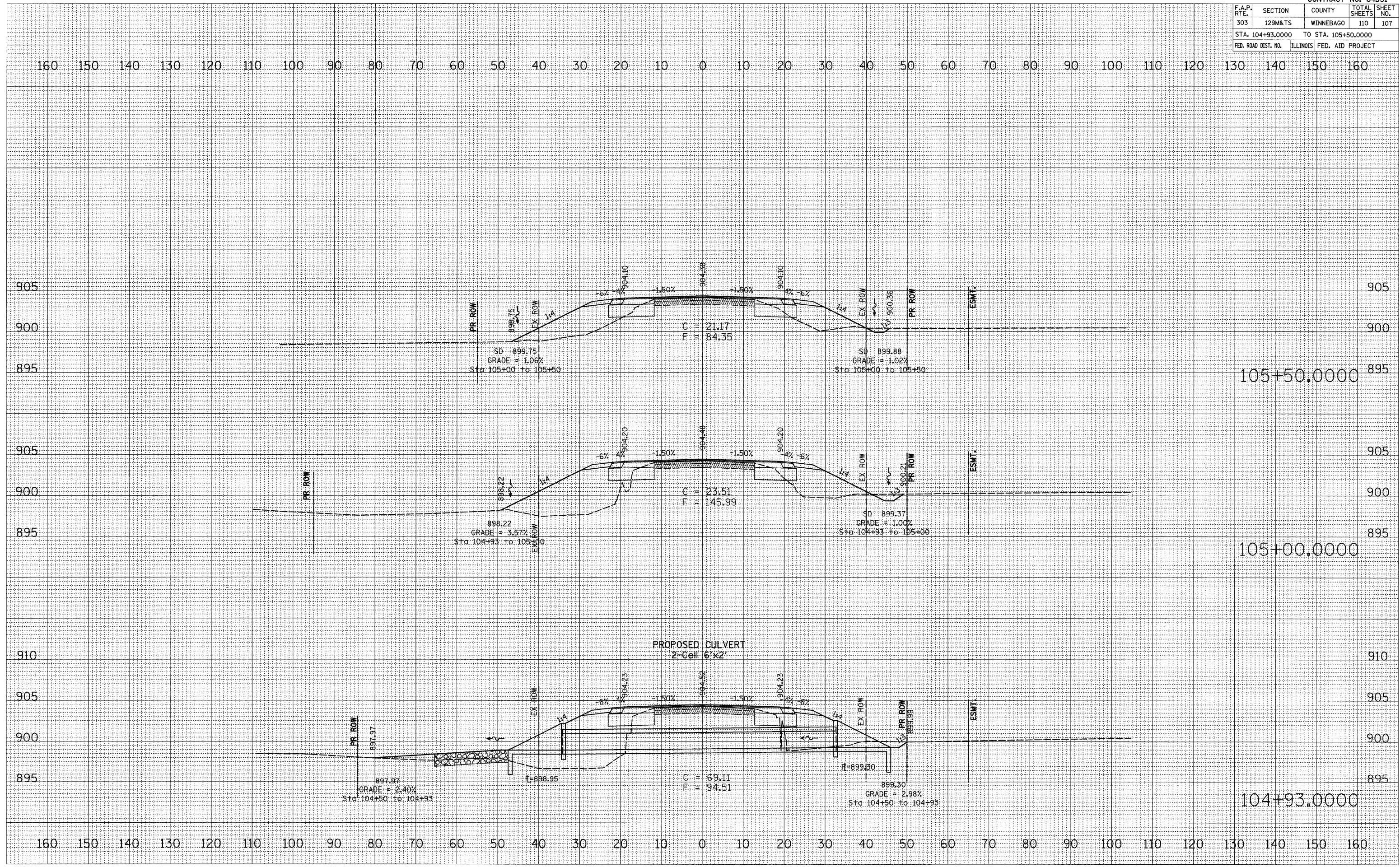
DATE	
BY	
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

PLOT DATE = Tue Dec 04 08:14:24 2007  
 FILE NAME = c:\p\proj\103+00\103+00.dwg  
 PLOT SCALE = 1/8" = 100'-0"  
 USER NAME = polzema

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

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

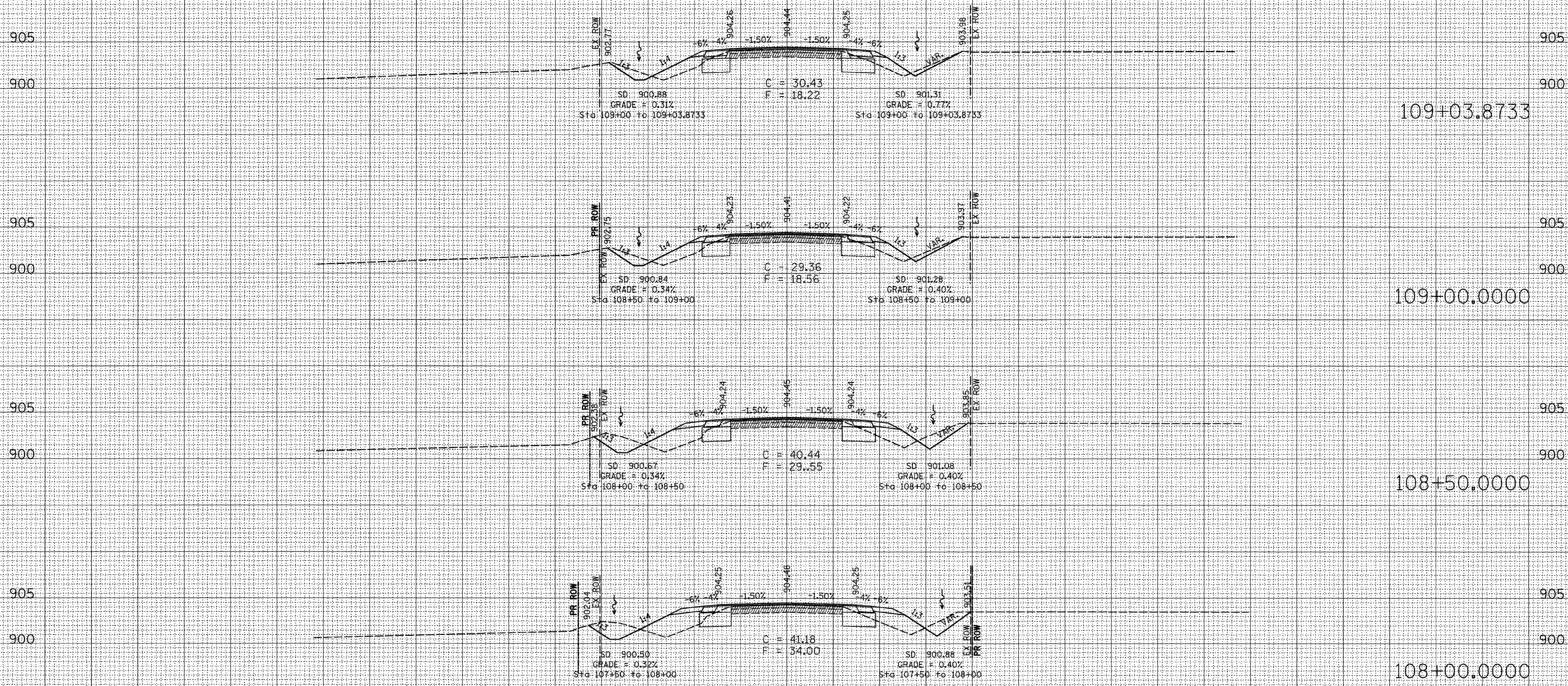
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 PLOT SCALE = 1/8" = 100.0000'  
 USER NAME = polzema





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	109
STA. 108+00.0000		TO STA. 109+03.8733		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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



PROPOSED BELVIDERE ROAD

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

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

PLOT DATE = Tue Dec 04 08:14:25 2007  
 FILE NAME = c:\projects\129m&ts\129m&ts.dwg  
 PLOT SCALE = 1/8" = 1' IN.  
 USER NAME = polizmej

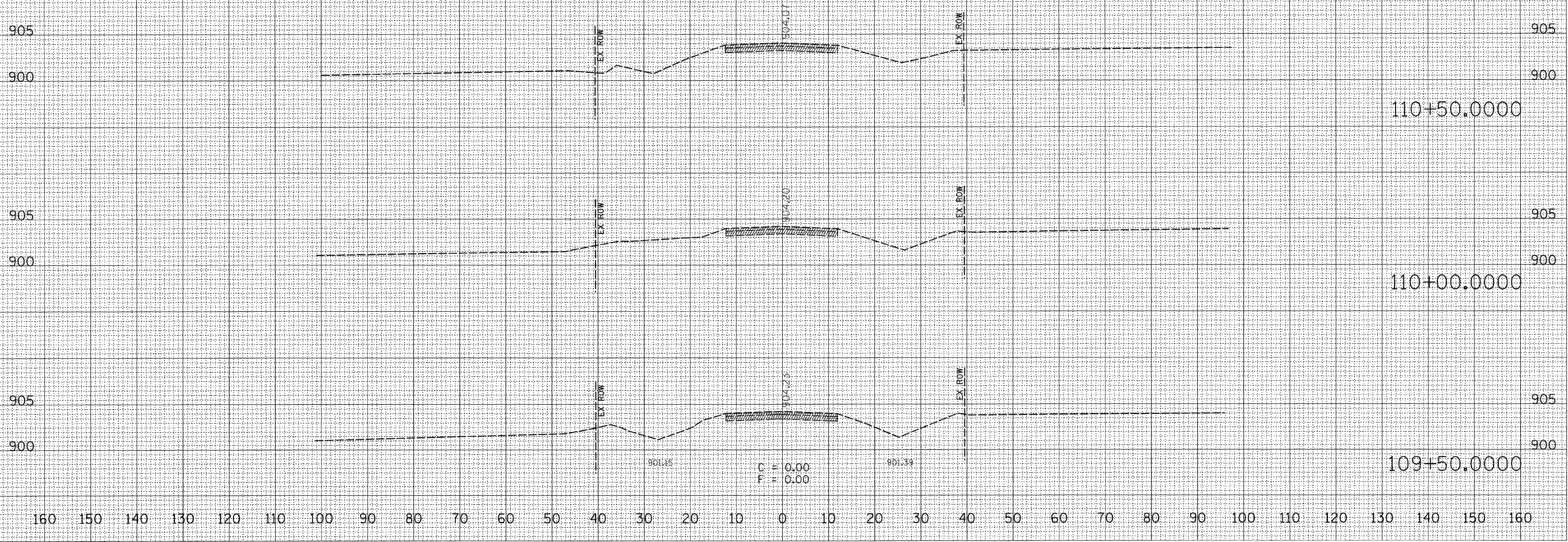
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129M&TS	WINNEBAGO	110	110
STA. 109+50.0000 TO STA. 110+50.0000				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
FINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DATE = Tue Dec 04 08:14:25 2007  
 FILE NAME = c:\pvc\jess\129m&ts\109707a.dwg  
 PLOT SCALE = 1/8" = 100'  
 USER NAME = polstinej



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

**PROPOSED BELVIDERE ROAD**