

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B. 224 F.A. 224	04-00137-02-FP	HENRY	23	1
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT OR-224(106)	

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23	CONCRETE GUTTER TYPE A (MODIFIED)

STATE OF ILLINOIS  
COUNTY OF HENRY  
PLANS FOR PROPOSED  
FEDERAL-AID SECONDARY PROJECT

SECTION 04-00137-02-FP  
WOLF ROAD/1200 E. ROAD  
INTERSECTION & TURN LANES  
F.A.S. ROUTE 224 C.H. 2  
PROJECT SR-224(106)  
JOB NO. C-92-062-05  
CONTRACT NO. 85371  
2006

STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
406201	MAILBOX TURNOUT
542401	METAL END SECTION FOR PIPE CULVERTS
606101-01	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
666001	RIGHT OF WAY MARKERS
701001-01	OFF-ROAD OPERATIONS, 2L 2W, 4.5 m (15') MIN. AWAY, FOR SPEEDS > 45 MPH
701006-02	OFF-ROAD OPERATIONS, 2L 2W, 4.5 m (15') TO 600 m (24') FROM PAVEMENT EDGE
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 DAY ONLY OPERATIONS
701326-02	LANE CLOSURE 2L, 2W PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS

NAME AND ADDRESS OF UTILITIES	TYPE
MEDIACOM 3900 26th Avenue Moline, IL 61265 Attn: Dennis Jarding (309) 743-4750	CABLE TV
GENESEO COMMUNICATIONS 111 E. First Street Geneeseo, IL 61254 Attn: Matt Storm (309) 944-2103 X 012	TELEPHONE
MIDAMERICAN ENERGY 2811 Fifth Avenue Rock Island, IL 61201 Attn: Steve Kelsey (309) 793-3778	GAS/ELECTRIC

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

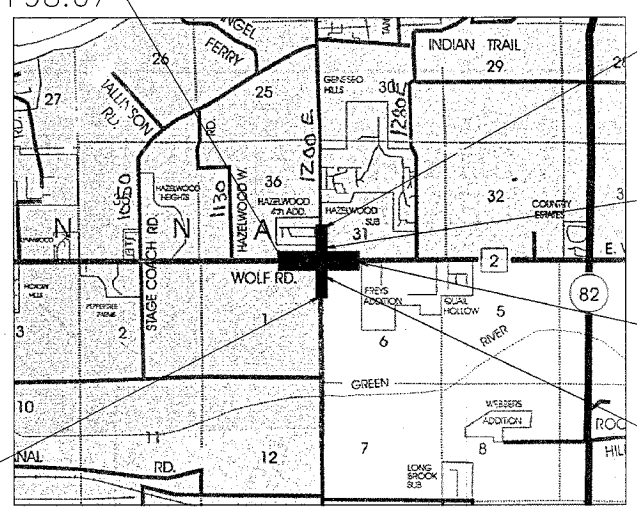
WOLF ROAD  
BEGINS AT STA. 635+98.67

1200 E. ROAD NORTH  
ENDS AT STA. 22+04.11

1200 E. ROAD NORTH  
BEGINS AT STA. 20+19

WOLF ROAD  
ENDS AT STA. 655+68.87

1200 E. ROAD SOUTH  
BEGINS AT STA. 13+72.16



LOCATION MAP  
NET LENGTH = 2,354.49 FEET = 0.45 MILES

APPROVED Jan 6 2006  
Stuart B. ... LOCAL AGENCY OFFICIAL  
PASSED January 27 2006  
Jan ... DISTRICT ENGINEER OF LOCAL ROAD & STREET  
APPROVED January 27 2006  
For BIDDING DISTRICT ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DESIGN CRITERIA

DESIGN SPEED: 60 MPH - WOLF ROAD  
50 MPH - 1200 E. ROAD

CLEAR ZONE: 20'

FUNCTIONAL CLASSIFICATION	HIGHWAY	DHV (2024)	TRUCKS (1%)
LOCAL	1200 E. ROAD	200-400	1
MAJOR COLLECTOR	WOLF ROAD	400-1425	1



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

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-84 P.A. 224	04-00137-02-FP	HENRY	23	2
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 5N-224(168)	

## SUMMARY OF QUANTITIES

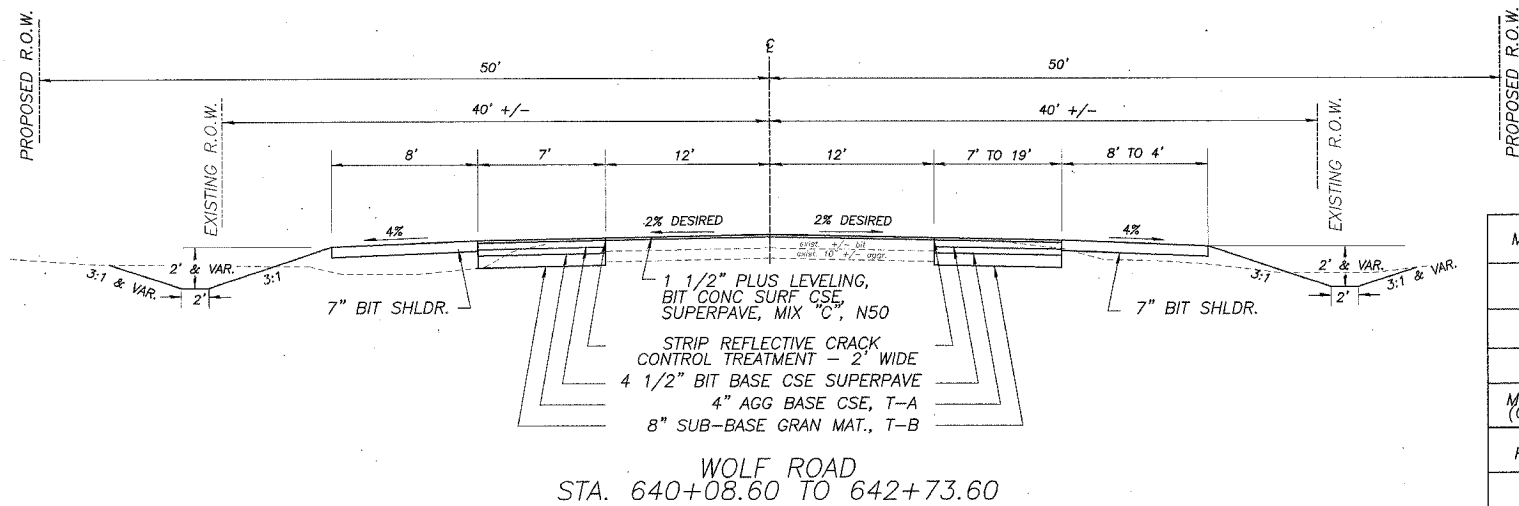
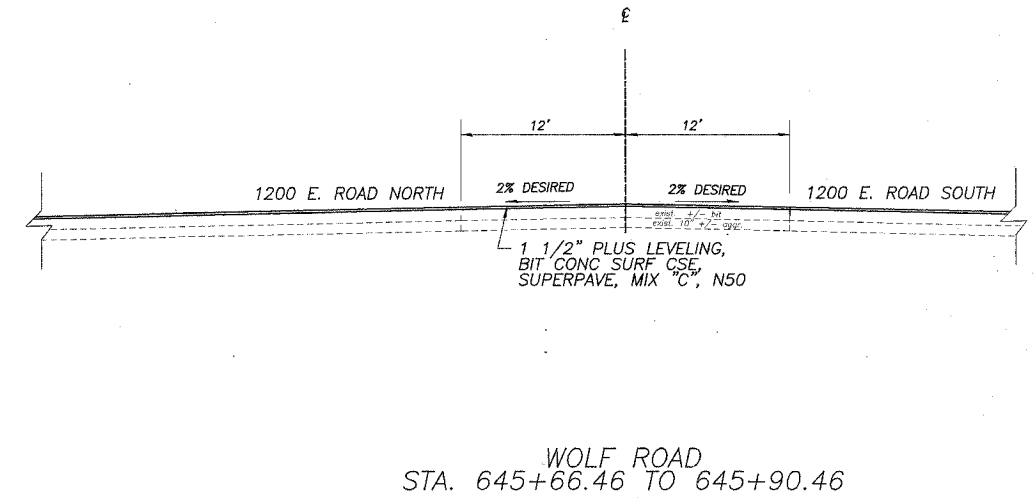
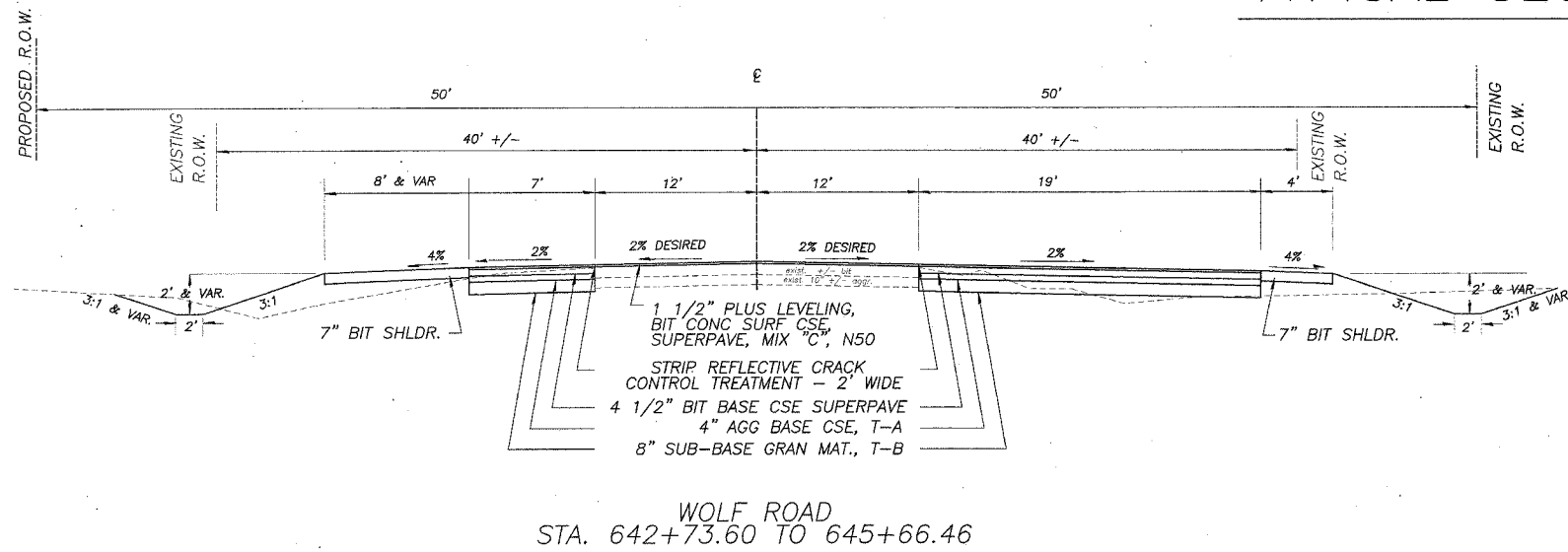
CONSTRUCTION TYPE CODE: I000-2A

CODE NO.	ITEM	UNIT	TOTAL
* 20200410	EARTH EXCAVATION (SPECIAL)	CU YD	1,463
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100
20400800	FURNISHED EXCAVATION	CU YD	2,894
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	243
25000500	PHOSPHUROUS FERTILIZER NUTRIENT	POUND	243
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	243
25000200	SEEDING, CLASS 2	ACRE	2.69
25100115	MULCH METHOD 2	ACRE	2.69
25100630	EROSION CONTROL BLANKET	SQ YD	167
28000300	TEMPORARY DITCH CHECK	EACH	6
28000400	PERIMETER EROSION BARRIER	FOOT	908
* 31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	1,911
* 35100100	AGGREGATE BASE COURSE, TYPE A	TON	955
* 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	30
* 40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3,146
* 40600300	AGGREGATE PRIME COAT	TON	15
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	245
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4,426
48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	1,426
* 542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	112
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	22
67100100	MOBILIZATION	L SUM	1
* 70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	476
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	158
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10,201
Δ 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1,312
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	296
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	131
X3550010	BITUMINOUS BASE COURSE SUPERPAVE	TON	1,132
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	1,102
* Z0005400	BREAKER-RUN CRUSHED STONE	TON	205

Δ SPECIALTY ITEMS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. F.A. 224	04-00137-02-FP	HENRY	23	3
FED. ROAD DIST. NO. T	ILL. TMS	FED. AID PROJECT 99-0241(09)		

# TYPICAL SECTIONS



**WOLF ROAD  
PAVEMENT STRUCTURAL DESIGN**

80,000 LB. DESIGN

BITUMINOUS BASE COUSE MIN. MS 1700 P.C. 5820

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2014 S.U. 20 5880 ADT

CLASS II ROAD M.U. 40

MINIMUM SOIL SUPPORT: IBR=3.0 ASSUMED

T.F. = 0.185 ; D<sub>t</sub> = 3.3

PAVEMENT STRUCTURE MATERIALS

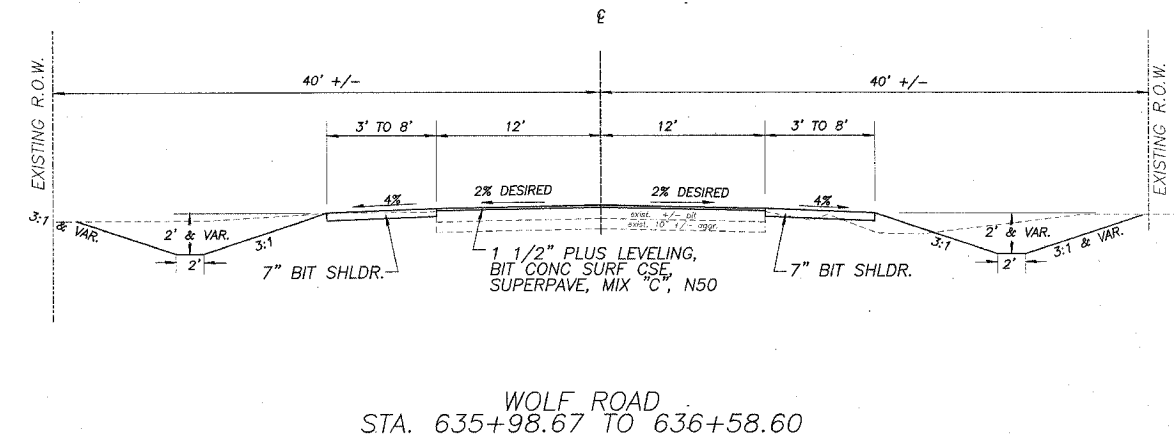
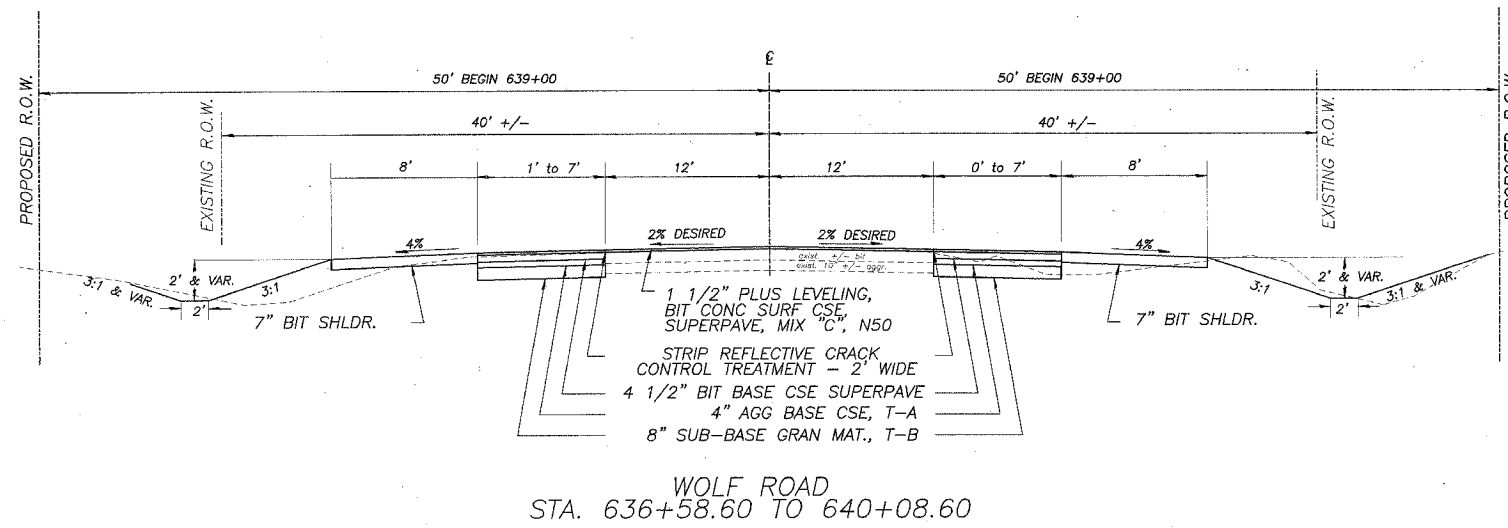
SURFACE COURSE TYPE: SUPERPAVE, MIX "C", N50; a<sub>1</sub> = 0.40 (1.5") = 0.60

BASE COURSE TYPE: SUPERPAVE a<sub>2</sub> = 0.33 (4.5") = 1.49

SUBBASE TYPE: AGGR. 4" T-A OVER 8" T-B a<sub>3</sub> = 0.11 (12") = 1.32

ACTUAL D<sub>t</sub> = 3.41

MIXTURE USE(S)	SURFACE	SHOULDER	BIT BASE CSE
PG:	PG 58-22	PG 58-22	PG 58-22
RAP%: (MAX)	15	30	50
DESIGN AIR VOIDS	3 @ N50	3 @ N50	2 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5 OR 12.5	BAM
FRICITION AGGREGATE	C	C	N/A
20 YEAR ESAL	0.185	N/A	N/A



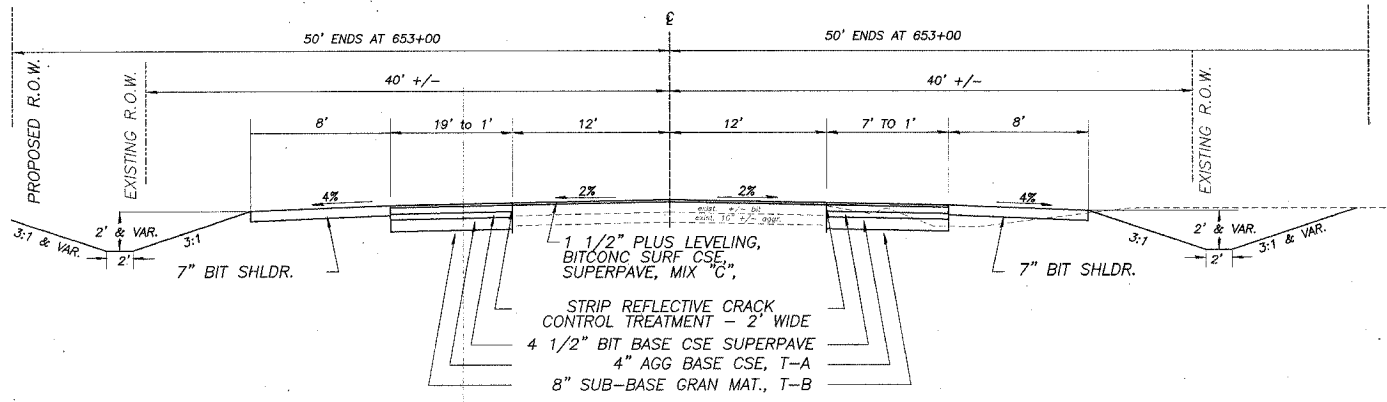
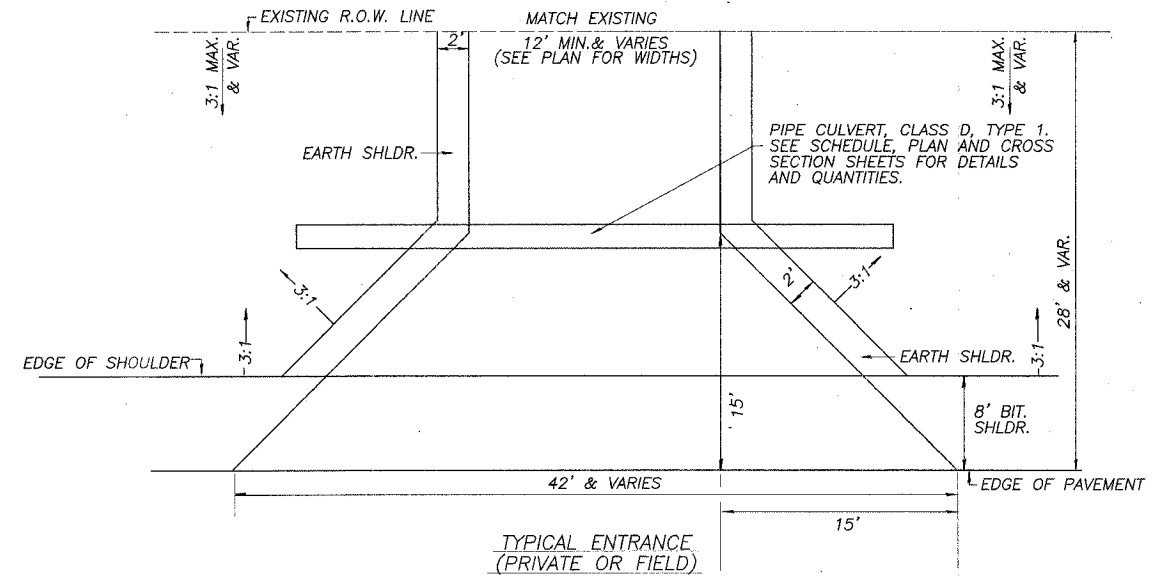
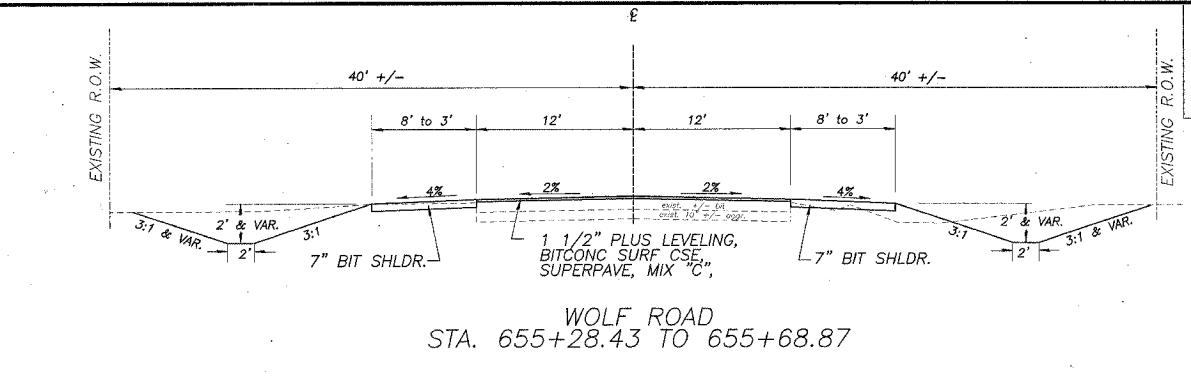
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.D. 224	04-00137-02-FP	HENRY	23	4
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 5A-224(194)	

# TYPICAL SECTIONS

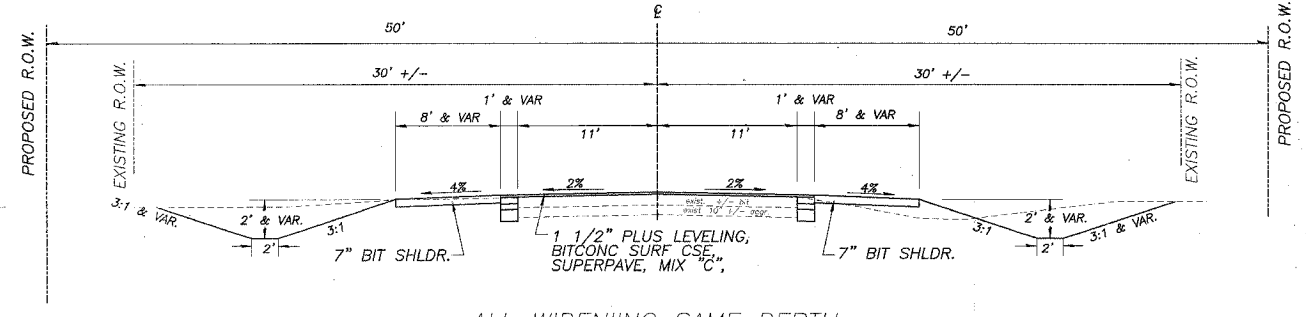
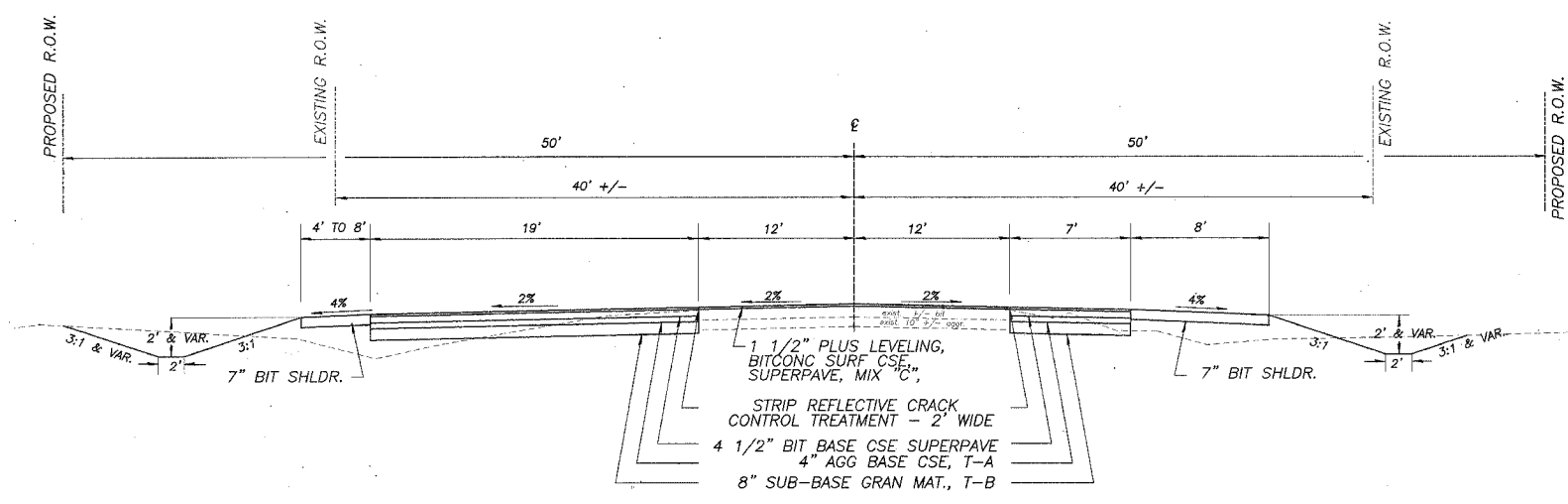
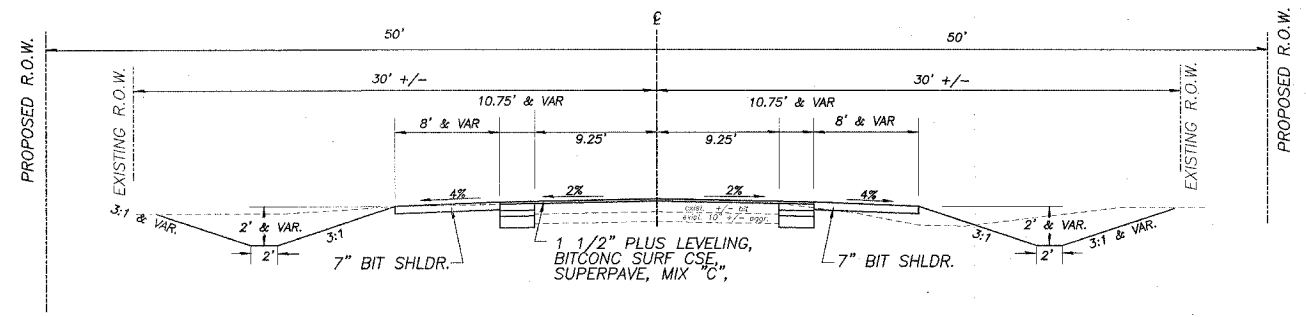
CONSTRUCT COMMERCIAL ENTRANCES WITH 10" AGGREGATE BASE COURSE, TYPE A (CA-6) AND 3" BIT CONC SURFACE COURSE, SUPERPAVE, MIX "C", N50

CONSTRUCT PRIVATE ENTRANCES WITH 8" AGGREGATE BASE COURSE, TYPE A (CA-6) AND 3" BIT CONC SURFACE COURSE, SUPERPAVE, MIX "C", N50 (SAME FOR MAILBOX TURNOUT)

CONSTRUCT FIELD ENTRANCES WITH 10" AGGREGATE BASE COURSE, TYPE A (CA-6).



MIXTURE USE(S)	SURFACE	SHOULDER	BIT BASE CSE
PG:	PG 58-22	PG 58-22	PG 58-22
RAP%: (MAX)	15	30	50
DESIGN AIR VOIDS	3 @ N50	3 @ N50	2 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5 OR 12.5	BAM
FRICTION AGGREGATE	C	C	N/A
20 YEAR ESAL	0.185	N/A	N/A



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-84 F.A. 224	04-00137-02-FP	HENRY	23	5
FED. ROAD DIST. NO. 7		ILL. ENDS	FED. AID PROJECT SP-2241061	

# SCHEDULES

## GENERAL NOTES

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

THE CONTRACTOR SHALL REMOVE ALL STRUCTURES WITHIN THE EXISTING AND NEW RIGHT OF WAY AS DIRECTED BY THE ENGINEER AND AS SHOWN ON PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALL EXISTING DRAINAGE PIPES AND END SECTIONS SHALL BE CAREFULLY REMOVED DURING CONSTRUCTION AND STACKED ALONG THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER. THIS SALVAGE AND STORAGE OF EXISTING DRAINAGE PIPES AND END SECTIONS SHALL BE CONSIDERED AN INCIDENTAL ITEM AND WILL NOT BE PAID FOR SEPARATELY. ALL SALVAGED PIPES SHALL REMAIN THE PROPERTY OF THE COUNTY.

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

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

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

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

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

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

## EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (SPECIAL)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25%	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR Shortage (-)
WOLF ROAD STA. 635+98.67 TO 655+68.87	1,264	948	3,634	-2,686
HAZEL ROAD STA. 500+00 TO 504+75	199	149	357	-208
<b>TOTALS</b>	<b>1,463</b>	<b>1,097</b>	<b>3,991</b>	<b>-2,894</b>

## REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

STATION	CU YD	REMARKS
CONTINGENCY ITEM	100	AS DIRECTED BY THE ENGINEER
<b>PROJECT TOTAL</b>	<b>100</b>	

20201200

### NITROGEN FERTILIZER

STATION	POUNDS	REMARKS
Wolf Rd. 635+98.67 - 655+68.87	176	1.95 ACRES @ 90 LBS/ACRE
1200 E. Rd. 13+72.16 - 22+04.11	67	.74 ACRES @ 90 LBS/ACRE
<b>PROJECT TOTAL</b>	<b>243</b>	

25000400

### PHOSPHOROUS FERTILIZER

STATION	POUNDS	REMARKS
Wolf Rd. 635+98.67 - 655+68.87	176	1.95 ACRES @ 90 LBS/ACRE
1200 E. Rd. 13+72.16 - 22+04.11	67	.74 ACRES @ 90 LBS/ACRE
<b>PROJECT TOTAL</b>	<b>243</b>	

25000500

### POTASSIUM FERTILIZER

STATION	POUNDS	REMARKS
Wolf Rd. 635+98.67 - 655+68.87	176	1.95 ACRES @ 90 LBS/ACRE
1200 E. Rd. 13+72.16 - 22+04.11	67	.74 ACRES @ 90 LBS/ACRE
<b>PROJECT TOTAL</b>	<b>243</b>	

25000600

### SEEDING, CLASS 2

STATION	ACRES	REMARKS
Wolf Rd. 635+98.67 - 655+68.87	1.95	WOLF RD
1200 E. Rd. 13+72.16 - 22+04.11	0.74	1200 E. ROAD
<b>PROJECT TOTAL</b>	<b>2.69</b>	

25000200

### MULCH METHOD 2

STATION	ACRES	REMARKS
Wolf Rd. 635+98.67 - 655+68.87	1.95	WOLF RD
1200 E. Rd. 13+72.16 - 22+04.11	0.74	1200 E. ROAD
<b>PROJECT TOTAL</b>	<b>2.69</b>	

25100115

### EROSION CONTROL BLANKET

STATION	SQ YD	REMARKS
R 653+00 - 655+50	167	6' WIDE
<b>PROJECT TOTAL</b>	<b>167</b>	

25100630

### TEMPORARY DITCH CHECK

STATION	EACH	REMARKS
L & R 636+00	2	AS DIRECTED BY THE ENGINEER
R 648+00	1	AS DIRECTED BY THE ENGINEER
L 648+50	1	AS DIRECTED BY THE ENGINEER
L & R 655+50	2	AS DIRECTED BY THE ENGINEER
<b>PROJECT TOTAL</b>	<b>6</b>	

28000300

### PERIMETER EROSION BARRIER

STATION	FOOT	REMARKS
R 636+00 - 639+00	300	SET INSIDE EXIST. R.O.W. LINE
R 639+00 - 645+08	608	SET INSIDE PROP. R.O.W. LINE
<b>PROJECT TOTAL</b>	<b>908</b>	

28000400

### SUB-BASE GRANULAR MATERIAL, TYPE B

STATION	TONS	REMARKS
Wolf Rd. L 635+98.67 - 645+78.46	317	8"
R 635+98.67 - 645+78.46	532	8"
L 645+78.46 - 655+68.87	565	8"
R 645+78.46 - 655+68.87	344	8"
1200 E. Road L 13+72 - 15+71.34	67	8"
R 13+72 - 15+71.34	24	8"
L 20+19 - 22+04.11	16	8"
R 20+19 - 22+04.11	46	8"
<b>PROJECT TOTAL</b>	<b>1,911</b>	

31101000

### AGGREGATE SURFACE COURSE, TYPE B

STATION	TONS	REMARKS
AS NEEDED BY ENGR.	30	CONTINGENCY ITEM FOR TEMP. ENTRYS.
<b>PROJECT TOTAL</b>	<b>30</b>	

40200800

# SCHEDULES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S-94- F.A. 224	04-00137-02-FP	HENRY	23	6
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. H11091	

AGGREGATE BASE COURSE, TYPE A		
STATION	TONS	REMARKS
Wolf Rd.		
L 635+98.67 - 645+78.46	159	4"
R 635+98.67 - 645+78.46	266	4"
L 645+78.46 - 655+68.87	283	4"
R 645+78.46 - 655+68.87	172	4"
1200 E. Road		
L 13+72 - 15+71.34	33	4"
R 13+72 - 15+71.34	12	4"
L 20+19 - 22+04.11	8	4"
R 20+19 - 22+04.11	23	4"
FEL 21+25	62	10"
FER 21+25	62	10"
<b>PROJECT TOTAL</b>	<b>955</b>	

35100100

BITUMINOUS MATERIALS (PRIME COAT)		
STATION	GALLONS	REMARKS
Wolf Rd.		
L 635+98.67 - 645+78.46	348	.5 GAL/SY ON AGGR
R 635+98.67 - 645+78.46	584	.5 GAL/SY ON AGGR
L 645+78.46 - 655+68.87	621	.5 GAL/SY ON AGGR
R 645+78.46 - 655+68.87	378	.5 GAL/SY ON AGGR
L 635+98.67 - 645+78.46	189	.1 GAL/SY SURFACING OVER BIT
R 635+98.67 - 645+78.46	249	.1 GAL/SY SURFACING OVER BIT
L 645+78.46 - 655+68.87	254	.1 GAL/SY SURFACING OVER BIT
R 645+78.46 - 655+68.87	195	.1 GAL/SY SURFACING OVER BIT
1200 E. Rd.		
L 13+72.16 - 13+72.16	73	.5 GAL/SY ON AGGR
R 13+72.16 - 13+72.16	26	.5 GAL/SY ON AGGR
L 20+19 - 22+04.11	18	.5 GAL/SY ON AGGR
R 20+19 - 22+04.11	50	.5 GAL/SY ON AGGR
L 13+72.16 - 13+72.16	40	.1 GAL/SY SURFACING OVER BIT
R 13+72.16 - 13+72.16	43	.1 GAL/SY SURFACING OVER BIT
L 20+19 - 22+04.11	41	.1 GAL/SY SURFACING OVER BIT
R 20+19 - 22+04.11	39	.1 GAL/SY SURFACING OVER BIT
<b>PROJECT TOTAL</b>	<b>3,146</b>	

40600100

AGGREGATE PRIME COAT		
STATION	TONS	REMARKS
ENTIRE PROJECT		
	15	3 LBS./S.Y.
<b>PROJECT TOTAL</b>	<b>15</b>	

40600300

BITUMINOUS BASE COURSE SUPERPAVE		
STATION	TONS	REMARKS
Wolf Rd.		
L 635+98.67 - 645+78.46	188	4.5"
R 635+98.67 - 645+78.46	315	4.5"
L 645+78.46 - 655+68.87	335	4.5"
R 645+78.46 - 655+68.87	204	4.5"
1200 E. Road		
L 13+72 - 15+71.34	39	4.5"
R 13+72 - 15+71.34	14	4.5"
L 20+19 - 22+04.11	10	4.5"
R 20+19 - 22+04.11	27	4.5"
<b>PROJECT TOTAL</b>	<b>1,132</b>	

X3550010

BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50		
STATION	TONS	REMARKS
Wolf Rd.		
L 635+98.67 - 645+78.46	199	1 1/2" PLUS LEVELING
R 635+98.67 - 645+78.46	261	1 1/2" PLUS LEVELING
L 645+78.46 - 655+68.87	267	1 1/2" PLUS LEVELING
R 645+78.46 - 655+68.87	204	1 1/2" PLUS LEVELING
1200 E. Rd.		
L 13+72.16 - 13+72.16	42	1 1/2" PLUS LEVELING
R 13+72.16 - 13+72.16	45	1 1/2" PLUS LEVELING
L 20+19 - 22+04.11	43	1 1/2" PLUS LEVELING
R 20+19 - 22+04.11	41	1 1/2" PLUS LEVELING
<b>PROJECT TOTAL</b>	<b>1,102</b>	

X4066414

BITUMINOUS SURFACE REMOVAL - BUTT JOINT		
STATION	SQ YD	REMARKS
Wolf Rd.		
635+98.67 - 636+23.67	67	
655+43.57 - 655+68.87	67	
1200 E. Rd.		
13+72.16 - 13+97.16	51	
21+79.11 - 22+04.11	60	
<b>PROJECT TOTAL</b>	<b>245</b>	

40600980

STRIP REFLECTIVE CRACK CONTROL TREATMENT		
STATION	FOOT	REMARKS
Wolf Rd.		
L 635+98.67 - 645+78.46	919	2' WIDE APPLIED ALONG WIDENING
R 635+98.67 - 645+78.46	927	2' WIDE APPLIED ALONG WIDENING
L 645+78.46 - 655+68.87	958	2' WIDE APPLIED ALONG WIDENING
R 645+78.46 - 655+68.87	953	2' WIDE APPLIED ALONG WIDENING
1200 E. Rd.		
L 13+72.16 - 13+72.16	174	2' WIDE APPLIED ALONG WIDENING
R 13+72.16 - 13+72.16	174	2' WIDE APPLIED ALONG WIDENING
L 20+19 - 22+04.11	165	2' WIDE APPLIED ALONG WIDENING
R 20+19 - 22+04.11	156	2' WIDE APPLIED ALONG WIDENING
<b>PROJECT TOTAL</b>	<b>4,426</b>	

44300200

BITUMINOUS SHOULDERS SUPERPAVE		
STATION	TON	REMARKS
Wolf Rd.		
L 635+98.67 - 645+78.46	335	8', 4' & VAR
R 635+98.67 - 645+78.46	290	8', 4' & VAR
L 645+78.46 - 655+68.87	283	8', 4' & VAR
R 645+78.46 - 655+68.87	330	8', 4' & VAR
1200 E. Rd.		
L 13+72.16 - 13+72.16	44	8', 4' & VAR
R 13+72.16 - 13+72.16	56	8', 4' & VAR
L 20+19 - 22+04.11	52	8', 4' & VAR
R 20+19 - 22+04.11	37	8', 4' & VAR
<b>PROJECT TOTAL</b>	<b>1,426</b>	

48200200

PIPE CULVERTS, CLASS D, TYPE 1 15"		
STATION	EACH	REMARKS
FEL 21+25		
	56	
FER 21+25		
	56	
<b>PROJECT TOTAL</b>	<b>112</b>	

54200220

SHORT-TERM PAVEMENT MARKING		
STATION	FOOT	REMARKS
Wolf Rd.		
635+98.67 - 655+68.87	394	4-40 CL MARKING - 2 LIFTS
1200 E. Rd.		
13+72.16 - 15+46	40	4-40 CL MARKING - 2 LIFTS
20+00 - 22+04.11	42	4-40 CL MARKING - 2 LIFTS
<b>PROJECT TOTAL</b>	<b>476</b>	

70300100

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S&L F.A. 224	04-00137-02-FP	HENRY	23	7
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 98-02490	

# SCHEDULES

## FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

STATION	EACH	REMARKS
Wolf Rd.		
40' L 639+00	1	
50' L 640+00	1	
40' R 639+00	1	
50' R 640+00	1	
50' LT 644+95	1	
50' RT 644+95	1	
50' LT 646+65	1	
50' RT 646+65	1	
40' LT 653+00	1	
50' LT 652+00	1	
40' RT 653+00	1	
50' RT 652+00	1	
1200 E. Rd.		
29.70' LT 14+00	1	
26.30' RT 14+00	1	
50' LT 15+03	1	
50' RT 15+00	1	
50' LT 20+85	1	
50' RT 20+85	1	
28' LT 22+00	1	
50' LT 21+50	1	
28' RT 22+00	1	
50' RT 21+50	1	
<b>PROJECT TOTAL</b>	<b>22</b>	

66600105

## WORK ZONE PAVEMENT MARKING REMOVAL

STATION	SQ FT	REMARKS
Wolf Rd.		
635+98.67 - 655+68.87	131	
1200 E. Rd.		
13+72.16 - 15+46	13	
20+00 - 22+04.11	14	
<b>PROJECT TOTAL</b>	<b>158</b>	

70301000

## THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

STATION	SQ FT	REMARKS
R 642+83	21.2	LEFT & RIGHT TURN ARROWS
R 643+63	21.2	LEFT & RIGHT TURN ARROWS
R 644+39	21.2	LEFT & RIGHT TURN ARROWS
R 645+17	21.2	LEFT & RIGHT TURN ARROWS
L 646+68	21.2	LEFT & RIGHT TURN ARROWS
L 647+48	21.2	LEFT & RIGHT TURN ARROWS
L 648+23	21.2	LEFT & RIGHT TURN ARROWS
L 649+03	21.2	LEFT & RIGHT TURN ARROWS
<b>PROJECT TOTAL</b>	<b>170</b>	

781000100

## THERMOPLASTIC PAVEMENT MARKING - LINE 4"

STATION	FOOT	REMARKS
Wolf Rd.		
L 635+98.67 - 22+04.11	1,070	WHITE EDGE LINE
R 635+98.67 - 13+72.16	1,125	WHITE EDGE LINE
L & R 636+78 - 645+39	1,720	DBL YELLOW-CL & MEDIAN
L & R 637+17 - 642+66	1,098	DBL YELLOW-CL & MEDIAN
L & R 646+66 - 655+04	1,676	DBL YELLOW-CL & MEDIAN
L & R 649+22 - 654+70	1,098	DBL YELLOW-CL & MEDIAN
1200 E. Rd.		
R 13+72.16 - 655+68.87	1,173	WHITE EDGE LINE
13+77 - 15+47	50	YELLOW 10-30 SKIP DASH
20+48 - 21+78	40	YELLOW 10-30 SKIP DASH
R 22+04.11 - 655+68.87	1,151	WHITE EDGE LINE
<b>PROJECT TOTAL</b>	<b>10,201</b>	

78000200

## THERMOPLASTIC PAVEMENT MARKING - LINE 8"

STATION	FOOT	REMARKS
R 640+23 - 642+73	126	DBL WHITE 3-9 SKIP DASH
R 642+73 - 645+39	530	DBL WHITE TURN LANE
L 646+19 - 649+14	530	DBL WHITE TURN LANE
L 649+14 - 651+64	126	DBL WHITE 3-9 SKIP DASH
<b>PROJECT TOTAL</b>	<b>1,312</b>	

78000500

## THERMOPLASTIC PAVEMENT MARKING - LINE 12"

STATION	FOOT	REMARKS
637+45 - 642+23	148	YELLOW MEDIAN MARKING
649+63 - 654+42	148	YELLOW MEDIAN MARKING
<b>PROJECT TOTAL</b>	<b>296</b>	

78000600

## THERMOPLASTIC PAVEMENT MARKING - LINE 24"

STATION	FOOT	REMARKS
R 15+46	25	STOP LINE
L 20+48	25	STOP LINE
<b>PROJECT TOTAL</b>	<b>50</b>	

78000650

## RAISED REFLECTIVE PAVEMENT MARKER

STATION	EACH	REMARKS
Wolf Road		
635+79	1	2-WAY AMBER MARKER
636+19	1	2-WAY AMBER MARKERS
636+59	1	2-WAY AMBER MARKERS
L & R 636+99	2	1-WAY AMBER MARKERS
L & R 637+39	2	1-WAY AMBER MARKERS
L & R 637+79	2	1-WAY AMBER MARKERS
L & R 638+19	2	1-WAY AMBER MARKERS
L & R 638+59	2	1-WAY AMBER MARKERS
L & R 638+99	2	1-WAY AMBER MARKERS
L & R 639+39	2	1-WAY AMBER MARKERS
L & R 639+79	2	1-WAY AMBER MARKERS
L & R 640+19	2	1-WAY AMBER MARKERS
L & R 640+59	2	1-WAY AMBER MARKERS
L & R 640+99	2	1-WAY AMBER MARKERS
L & R 641+39	2	1-WAY AMBER MARKERS
L & R 641+79	2	1-WAY AMBER MARKERS
L 642+19	2	1-WAY AMBER MARKERS
L 642+59	2	2-WAY AMBER MARKERS
R 642+74	2	1-WAY CRYSTAL MARKERS
L 642+99	2	2-WAY AMBER MARKERS
R 642+99	2	1-WAY CRYSTAL MARKERS
L 643+39	2	2-WAY AMBER MARKERS
R 643+39	2	1-WAY CRYSTAL MARKERS
L 643+79	2	2-WAY AMBER MARKERS
R 643+79	2	1-WAY CRYSTAL MARKERS
L 644+19	2	2-WAY AMBER MARKERS
R 644+19	2	1-WAY CRYSTAL MARKERS
L 644+59	2	2-WAY AMBER MARKERS
R 644+59	2	1-WAY CRYSTAL MARKERS
L 644+99	2	2-WAY AMBER MARKERS
R 644+99	2	1-WAY CRYSTAL MARKERS
L 645+39	2	2-WAY AMBER MARKERS
R 645+39	2	1-WAY CRYSTAL MARKERS
L 646+50	2	1-WAY CRYSTAL MARKERS
R 646+68	2	2-WAY AMBER MARKERS
L 646+90	2	1-WAY CRYSTAL MARKERS
R 647+08	2	2-WAY AMBER MARKERS
L 647+30	2	1-WAY CRYSTAL MARKERS
R 647+48	2	2-WAY AMBER MARKERS
L 647+70	2	1-WAY CRYSTAL MARKERS
R 647+88	2	2-WAY AMBER MARKERS
L 648+10	2	1-WAY CRYSTAL MARKERS
R 648+28	2	2-WAY AMBER MARKERS
L 648+50	2	1-WAY CRYSTAL MARKERS
R 648+68	2	2-WAY AMBER MARKERS
L 648+90	2	1-WAY CRYSTAL MARKERS
R 649+08	2	2-WAY AMBER MARKERS
L 649+14	2	1-WAY CRYSTAL MARKERS
R 649+48	2	1-WAY AMBER MARKERS
R 649+88	2	1-WAY AMBER MARKERS
L & R 650+28	2	1-WAY AMBER MARKERS
L & R 650+68	2	1-WAY AMBER MARKERS
L & R 651+08	2	1-WAY AMBER MARKERS
L & R 651+48	2	1-WAY AMBER MARKERS
L & R 651+88	2	1-WAY AMBER MARKERS
L & R 652+28	2	1-WAY AMBER MARKERS
L & R 652+68	2	1-WAY AMBER MARKERS
L & R 653+08	2	1-WAY AMBER MARKERS
L & R 653+48	2	1-WAY AMBER MARKERS

CON'T.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 224	04-00137-02-FP	HENRY	23	8
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 04-24(04)	

# SCHEDULES

CON'T.

L & R 653+88	2	1-WAY AMBER MARKERS
L & R 654+28	2	1-WAY AMBER MARKERS
L & R 654+68	2	1-WAY AMBER MARKERS
L & R 655+02	2	2-WAY AMBER MARKERS
655+42	1	2-WAY AMBER MARKER
655+82	1	2-WAY AMBER MARKER
1200 East Road		
13+62	1	2-WAY AMBER MARKER
14+42	1	2-WAY AMBER MARKER
15+22	1	2-WAY AMBER MARKER
20+73	1	2-WAY AMBER MARKER
21+53	1	2-WAY AMBER MARKER
22+33	1	2-WAY AMBER MARKER
<b>PROJECT TOTAL</b>	<b>131</b>	

78100100

BREAKER-RUN CRUSHED STONE		
STATION	TONS	REMARKS
CONTIGENCY ITEM	205	AS DIRECTED BY THE ENGINEER
<b>PROJECT TOTAL</b>	<b>205</b>	

Z0005400

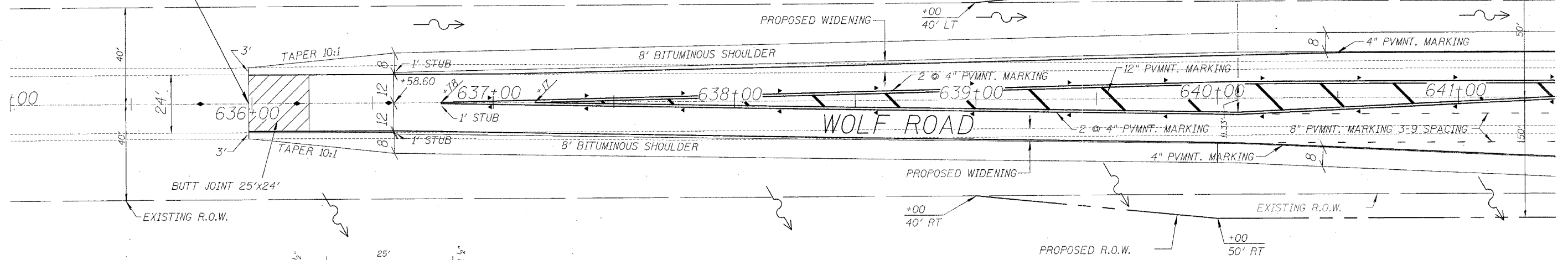


CLYDE E. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990  
AND  
ELSIE M. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A.L. P.A. 224	04-00137-02-FP	HENRY	23	9
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT #5-24-001		



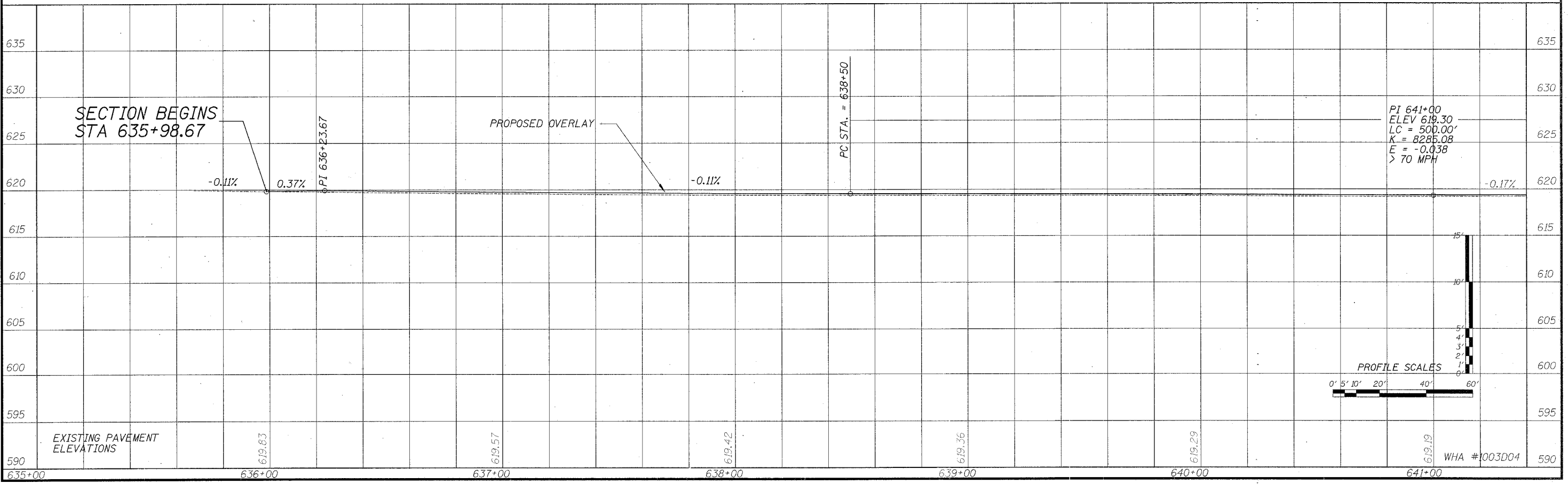
SECTION BEGINS  
STA 635+98.67



TYPICAL BUTT JOINT  
STA. 635+98.67 TO 636+23.67

WAYNE A. STOHL, STEVEN W. STOHL &  
ANTHONY J. STOHL, PARTNERS, d/b/a  
WAYNE STOHL & SONS PLASTERING COMPANY

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PI 641+00  
ELEV 619.30  
LC = 500.00'  
K = 8285.08  
E = -0.038  
> 70 MPH

PROFILE SCALES  
0' 5' 10' 20' 40' 60'

EXISTING PAVEMENT  
ELEVATIONS

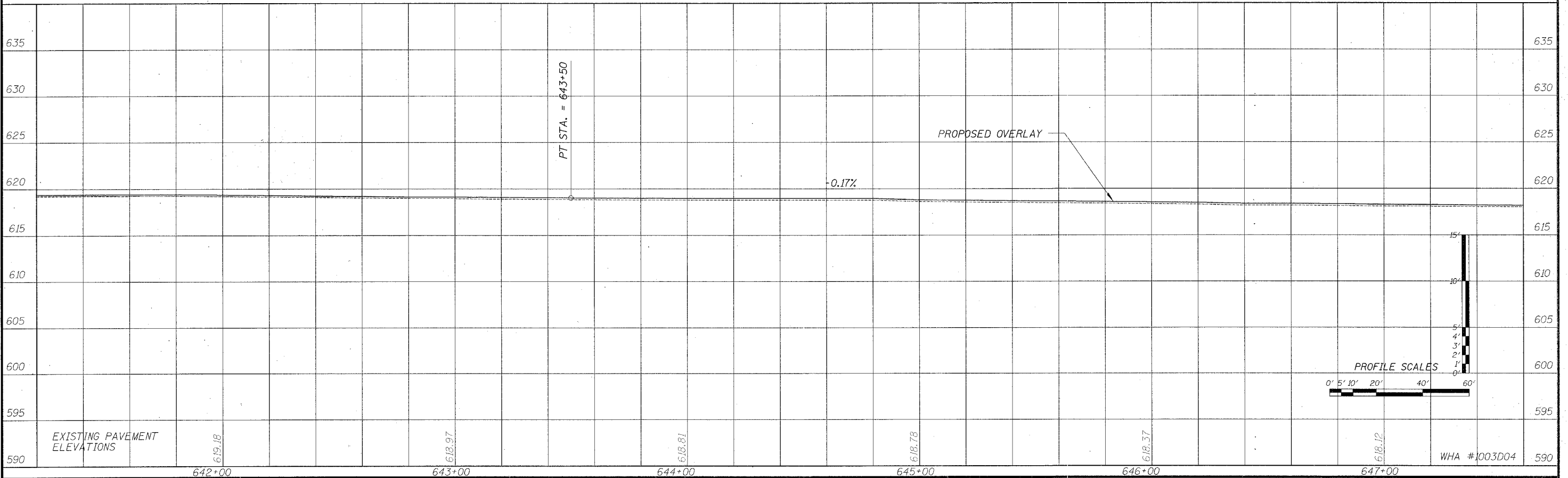
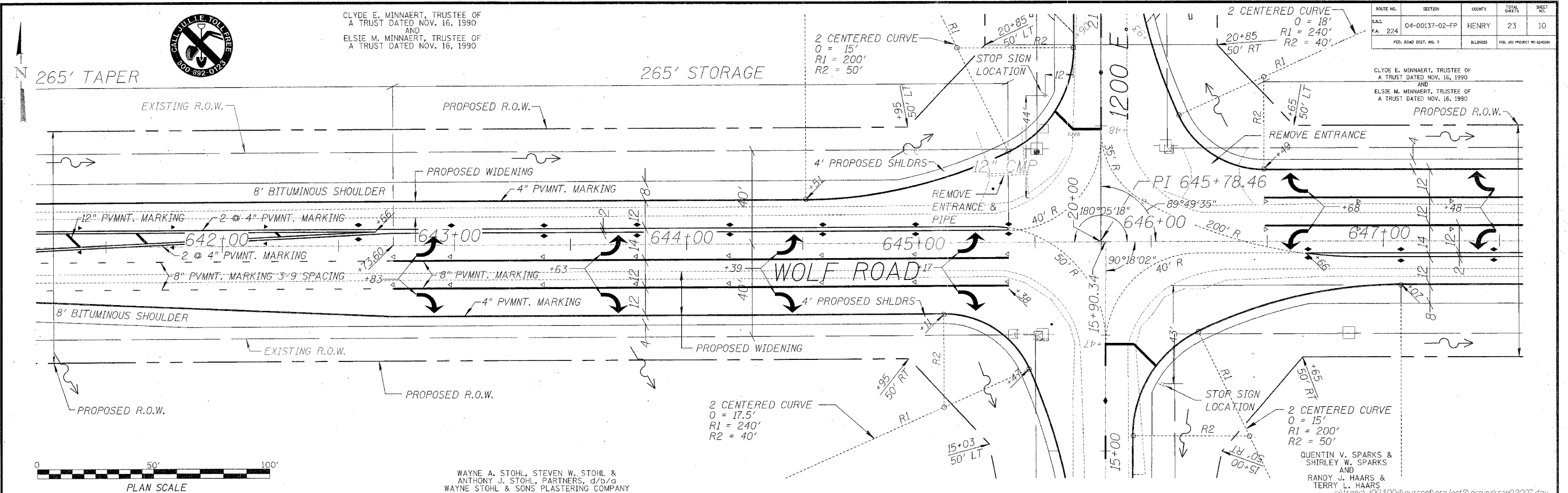
WHA #1003D04



CLYDE E. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990  
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ELSIE M. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990

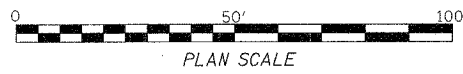
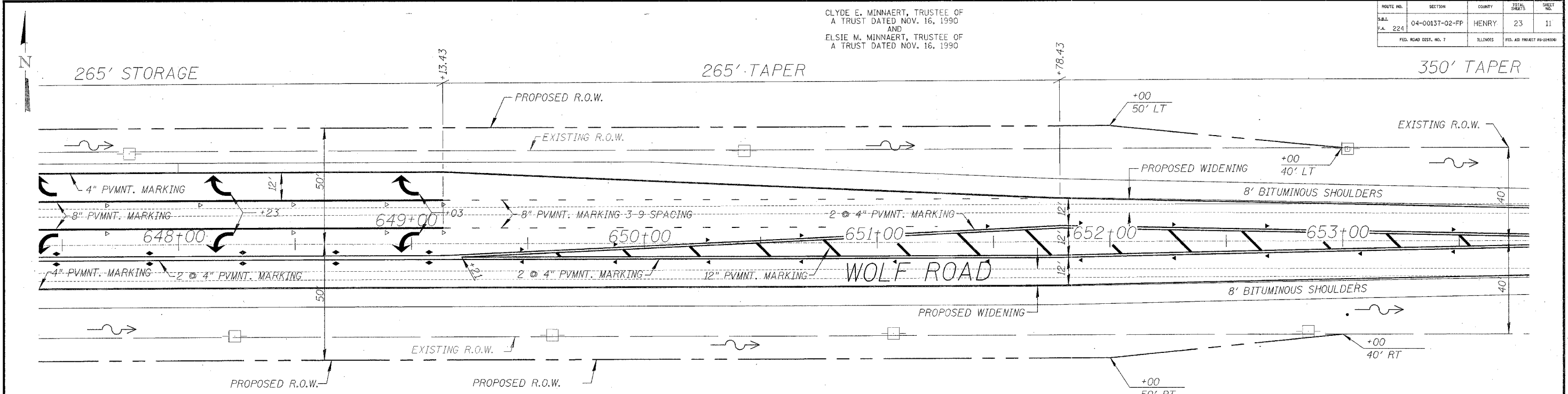
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F.A. 224	04-00137-02-FP	HENRY	23	10
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. 24209	

CLYDE E. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990  
AND  
ELSIE M. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990



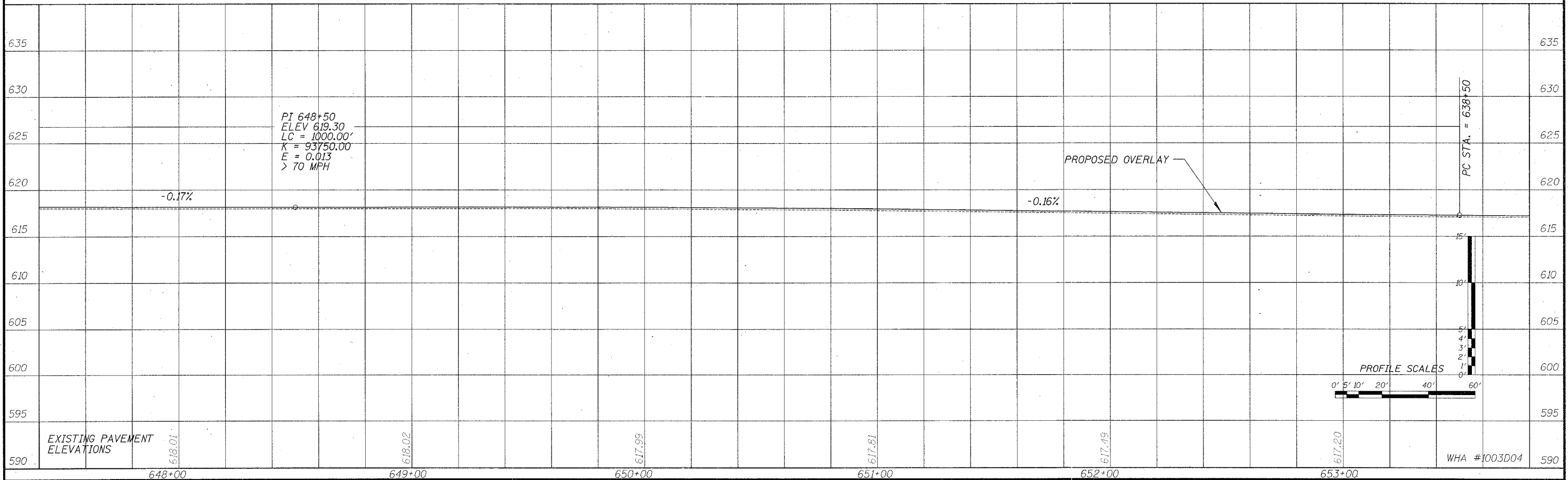
CLYDE E. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990  
AND  
ELSIE M. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.L. 224	04-00137-02-FP	HENRY	23	11
F.A. 224				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT PS-244846		



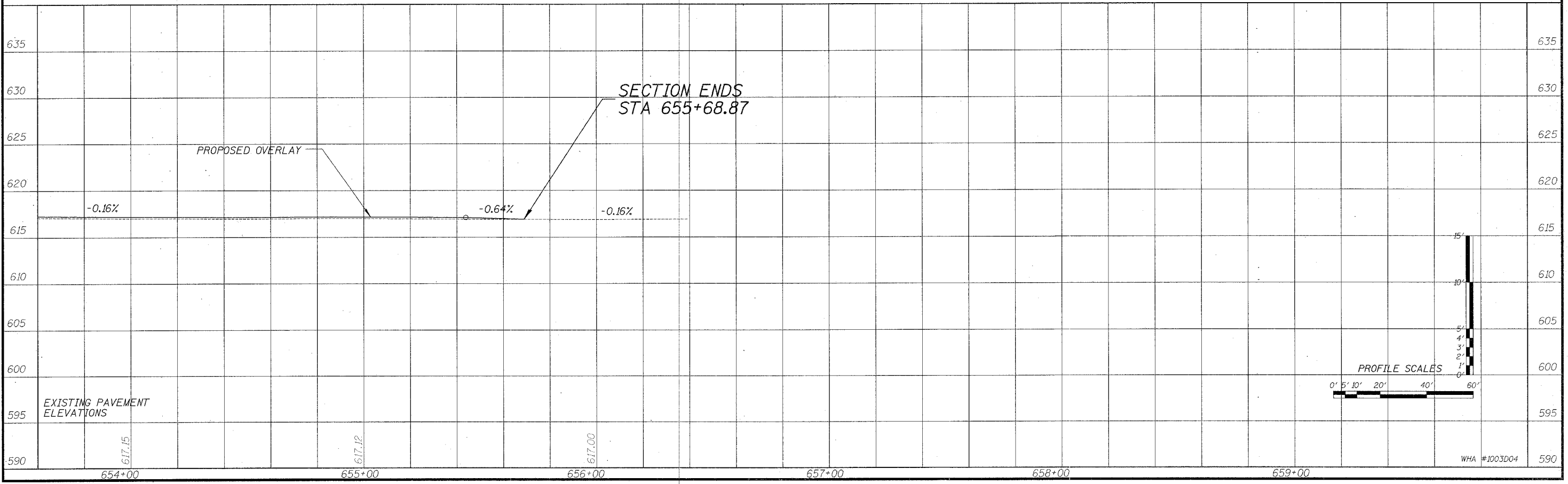
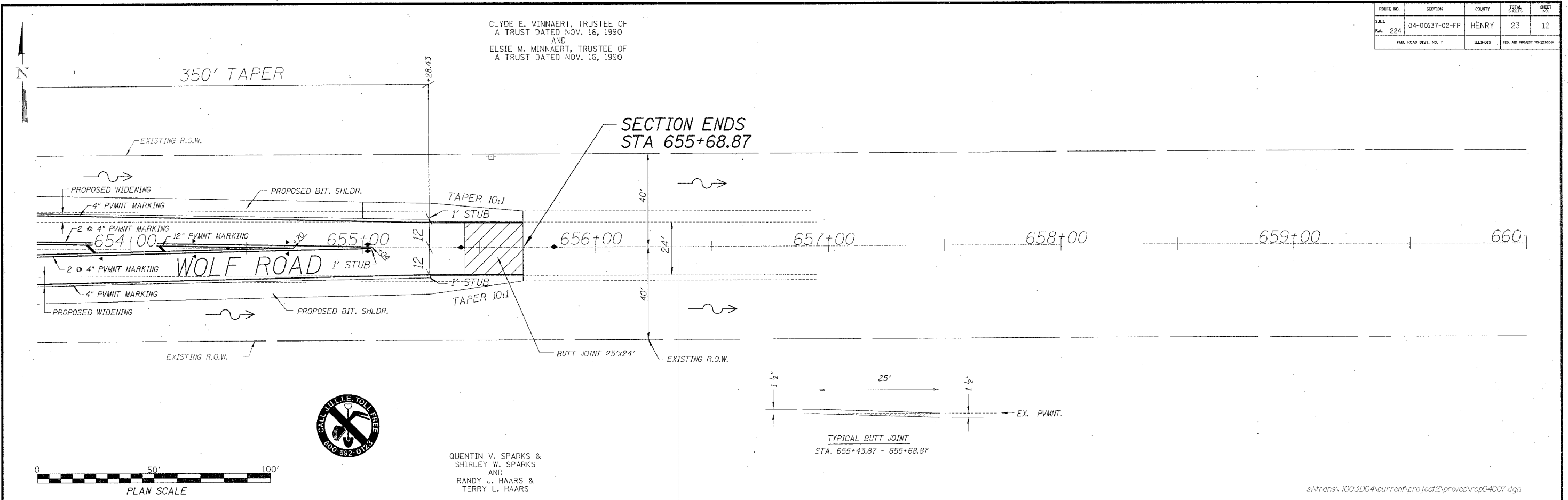
QUENTIN V. SPARKS &  
SHIRLEY W. SPARKS  
AND  
RANDY J. HAARS &  
TERRY L. HAARS

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 224	04-00137-02-PP	HENRY	23	12
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT #12-24000	

CLYDE E. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990  
AND  
ELSIE M. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990



WAYNE A. STOHL, STEVEN W. STOHL &  
ANTHONY J. STOHL, PARTNERS, d/b/a  
WAYNE STOHL & SONS PLASTERING COMPANY

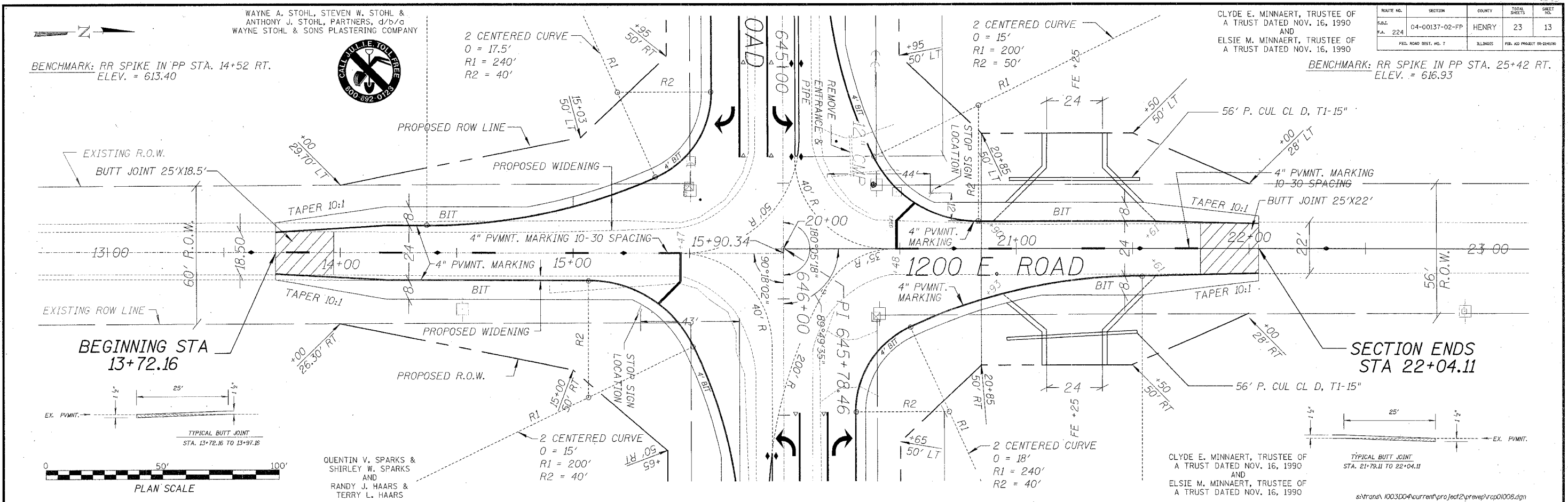


CLYDE E. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990  
AND  
ELSIE M. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
224	04-00137-02-FP	HENRY	23	13

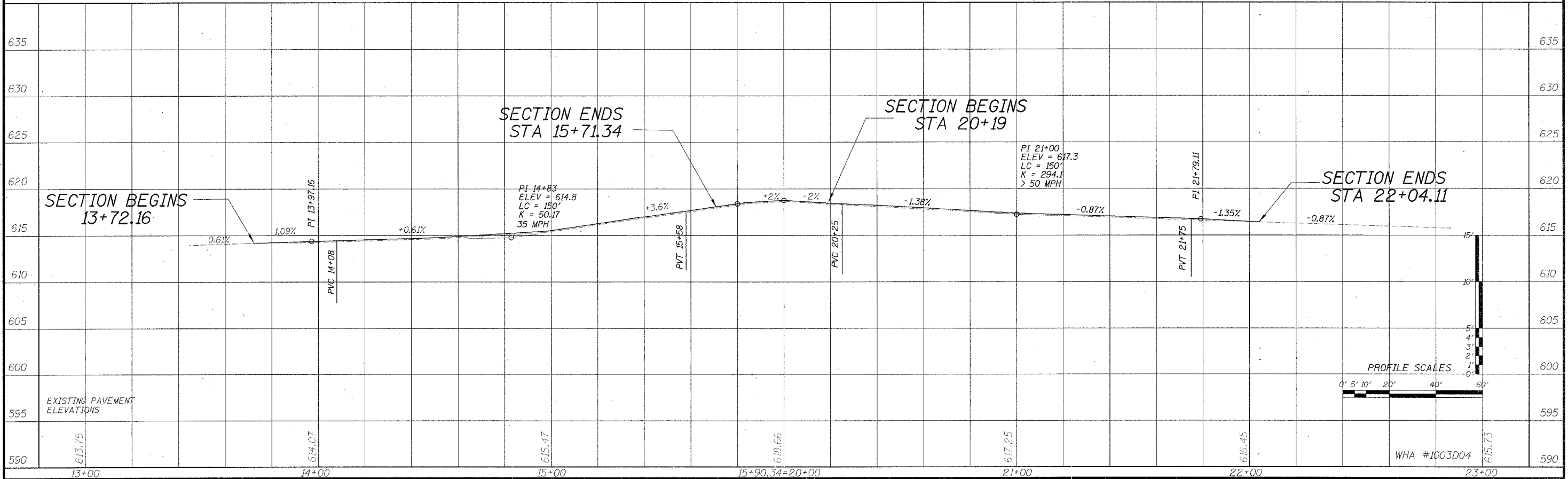
BENCHMARK: RR SPIKE IN PP STA. 14+52 RT.  
ELEV. = 613.40

BENCHMARK: RR SPIKE IN PP STA. 25+42 RT.  
ELEV. = 616.93

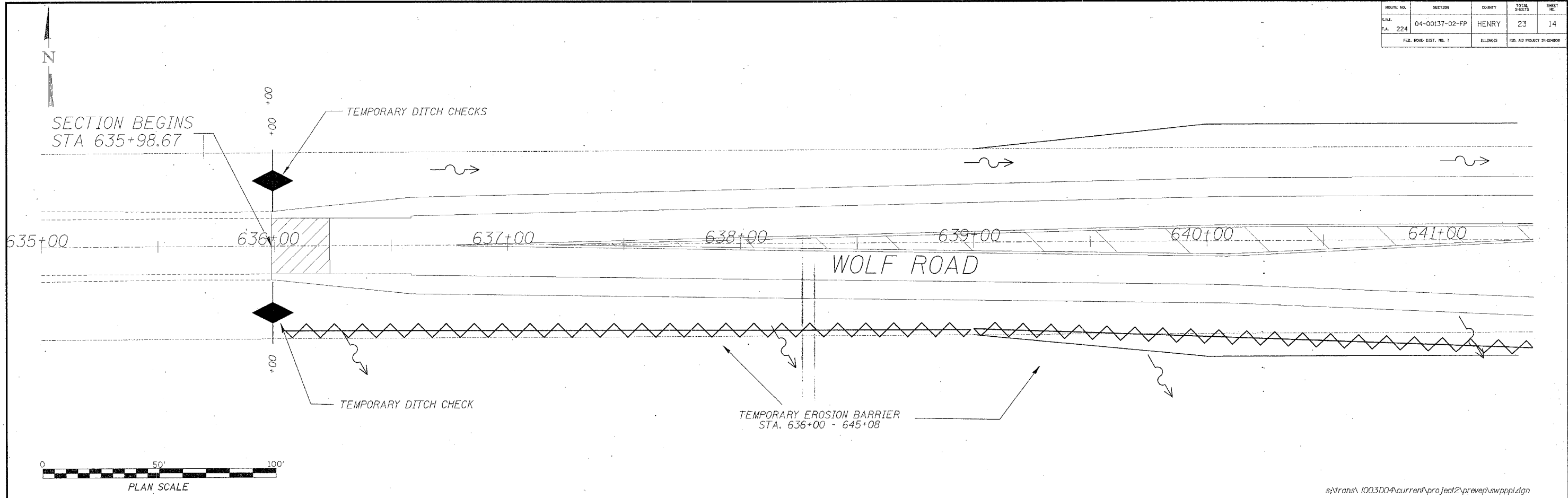


QUENTIN V. SPARKS &  
SHIRLEY W. SPARKS  
AND  
RANDY J. HAARS &  
TERRY L. HAARS

CLYDE E. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990  
AND  
ELSIE M. MINNAERT, TRUSTEE OF  
A TRUST DATED NOV. 16, 1990



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SUB. NO.	04-00137-02-FP	HENRY	23	14
F.A. 224				
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT #H28400	



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**STORM WATER POLLUTION PREVENTION PLAN**

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

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

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SECTION 280, TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

**SITE DESCRIPTION**

**DESCRIPTION OF CONSTRUCTION ACTIVITY:**

1. THE PROJECT CONSISTS OF WIDENING OF WOLF ROAD AND 1200 E. ROAD.
2. CONSTRUCTION INCLUDES EARTH EXCAVATION, DRIVEWAYS, PIPE CULVERTS, VARIOUS PAVEMENT ITEMS AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

**DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:**



1. TREE REMOVAL AS SHOWN ON THE PLANS. SEEDING CLASS 2 AS NEEDED AND INSTALL PERIMETER EROSION BARRIER.
2. EARTH EXCAVATION
3. CULVERT INSTALLATION
4. AGGREGATE BASE, BITUMINOUS SURFACE AND RELATED APPURTENANCES
5. PLACEMENT OF PERMANENT EROSION CONTROL IN DITCHES AND AROUND CULVERTS INCLUDING PERIMETER EROSION BARRIER, SEEDING, ETC.

**AREA OF CONSTRUCTION SITE:**

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 4.7 ACRES OF WHICH 4.7 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

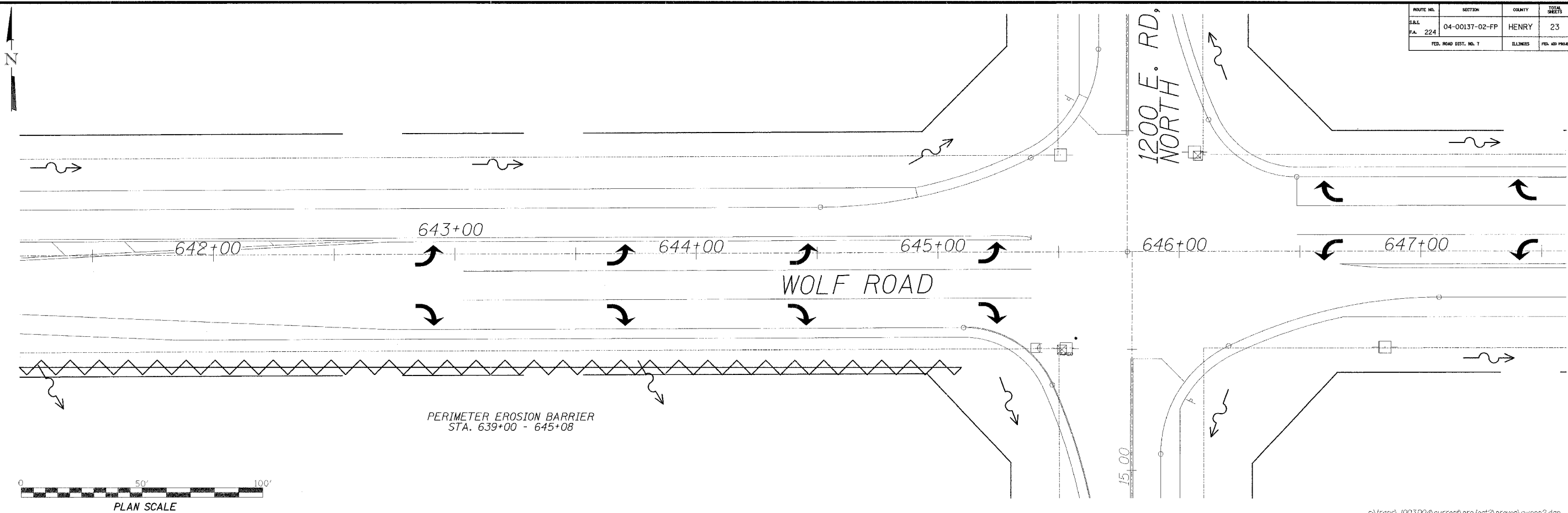
**OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:**

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

- LEGEND**
-  TEMPORARY DITCH CHECK
  -  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER

**STORM WATER POLLUTION PREVENTION PLAN**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SA. 224	04-00137-02-FP	HENRY	23	15
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT #0-0-0000	



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**DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:**

1. DITCH OUTLETS AND CULVERT FLOWS INTO TRIBUTARY OF THE ROCK RIVER.

**CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROL DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION.**

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PERIMETER EROSION BARRIER, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.

DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.

- (e) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.

AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.

2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

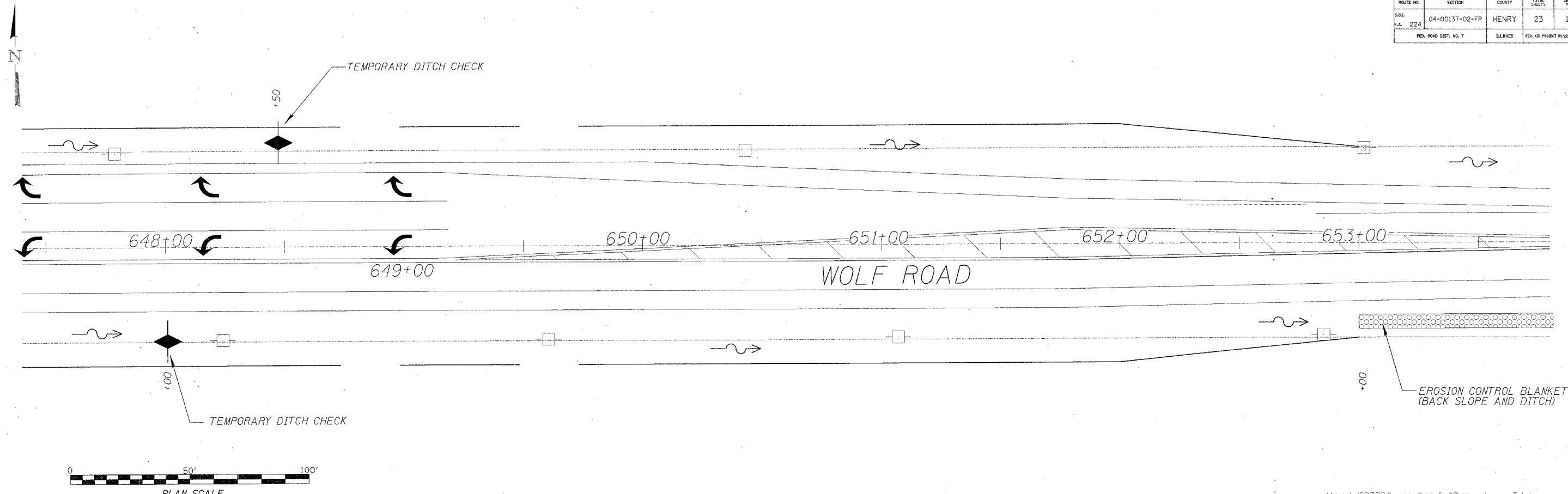
*Stewart L. Beard*  
HENRY COUNTY ENGINEER

Jan 6, 2006  
DATE

- LEGEND**
- ◆ TEMPORARY DITCH CHECK
  - ▲ PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER

**STORM WATER POLLUTION PREVENTION PLAN**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A. 224	04-00137-02-FP	HENRY	23	16
FED. ROAD DIST. NO. 7		ELLINGS	FED. AID PROJECT NO. 214590	



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**DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:**

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.  
 WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.  
 EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.  
 AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:  
 PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.  
 TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.  
 CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

- TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
- BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
- CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT EROSION CONTROL SUCH AS CONDUCTING FINAL SHPAING TO THE SLOPES.
- EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
- CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD.

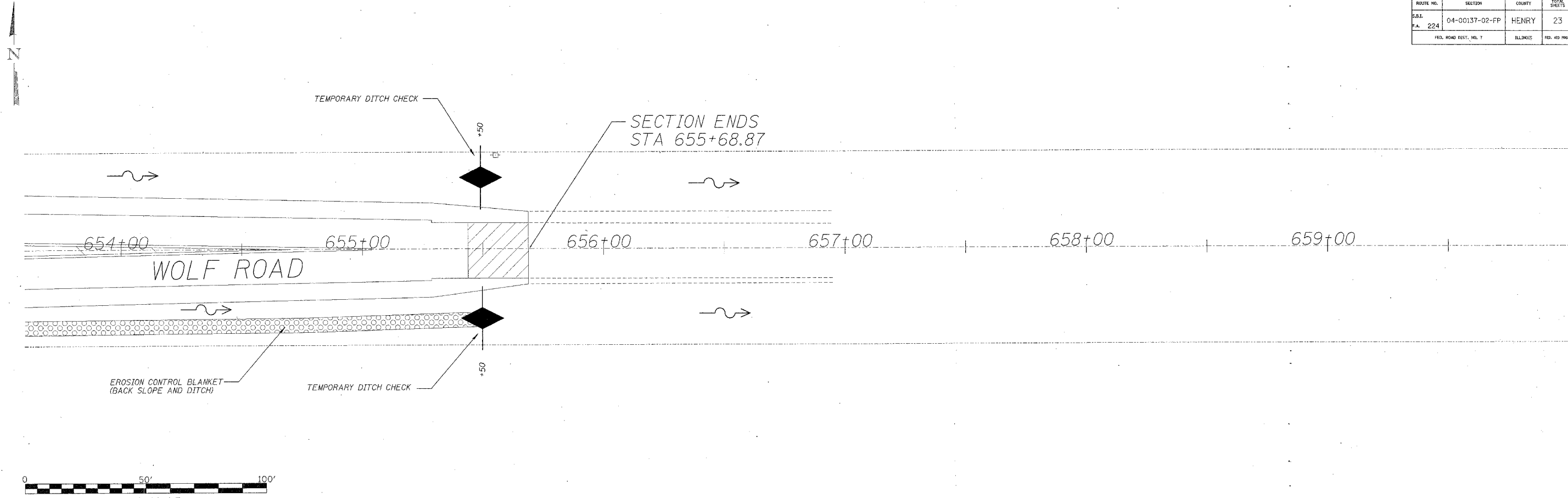
**LEGEND**

	TEMPORARY DITCH CHECK
	PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
	EROSION CONTROL BLANKET

**STORM WATER POLLUTION PREVENTION PLAN**  
 WHA # 1003D04



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 224	04-00137-02-FP	HENRY	23	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT IS-242000	



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SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING :

1. 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.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEEDED.




MAINTENANCE AFTER CONSTRUCTION :

1. CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY I.D.O.T. FINAL INSPECTION. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

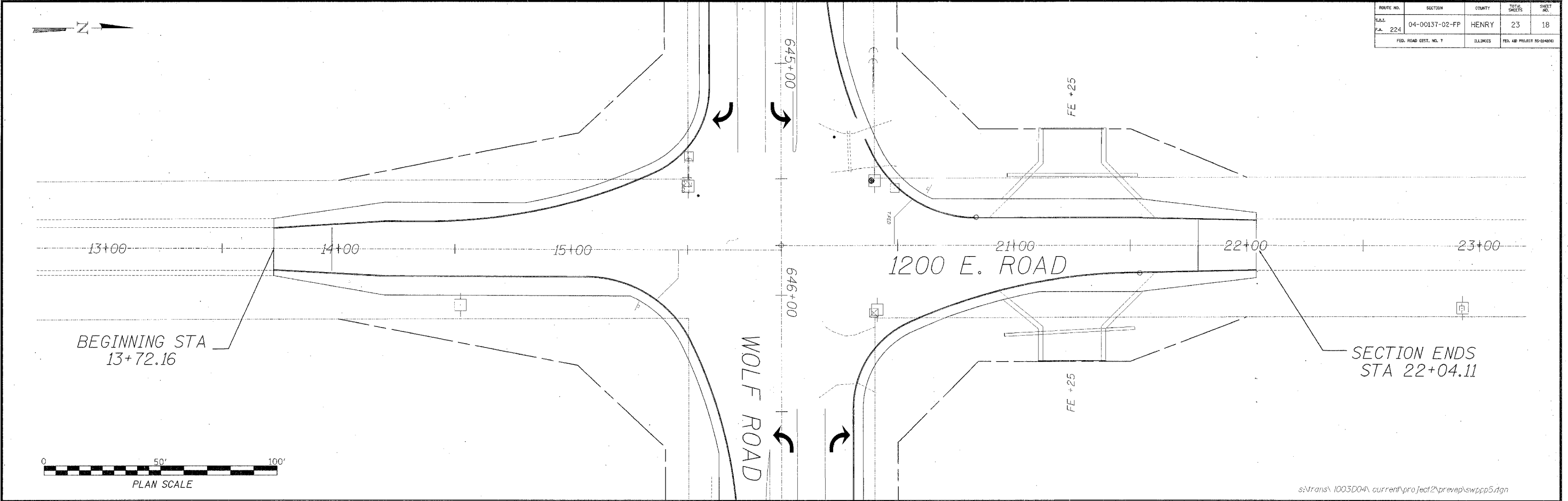
1. TEMPORARY DITCH CHECKS SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER.
2. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRES.
3. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS MAY BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHANE FOAM/GEOTEXTILE (SILT SEDGES), AND/OR ANY OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.
4. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.
5. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

**LEGEND**

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  EROSION CONTROL BLANKET

**STORM WATER POLLUTION PREVENTION PLAN**

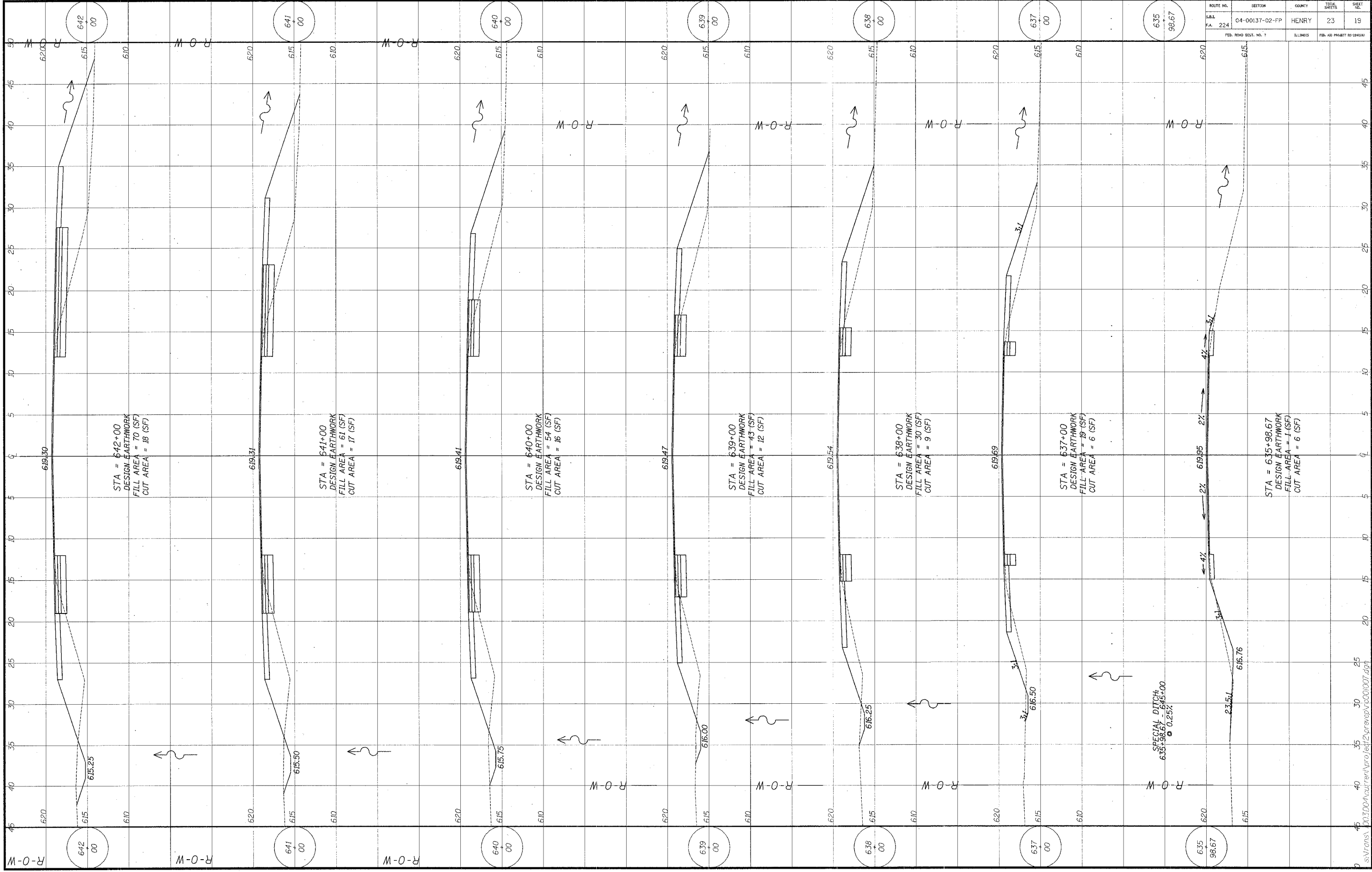
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A.D. P.A. 224	04-00137-02-FP	HENRY	23	18
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT NO-24480	



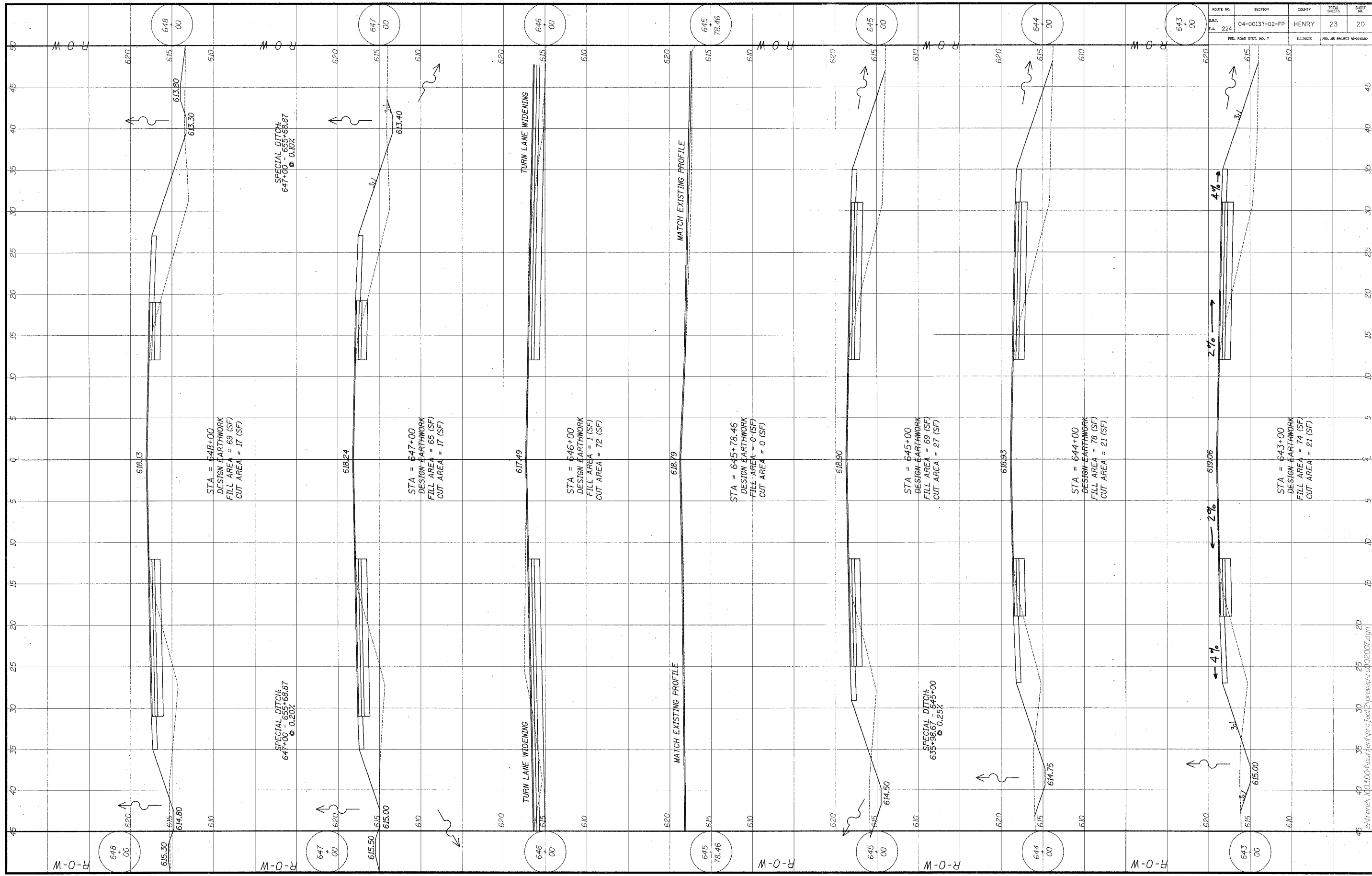
NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.

STORM WATER  
POLLUTION  
PREVENTION PLAN

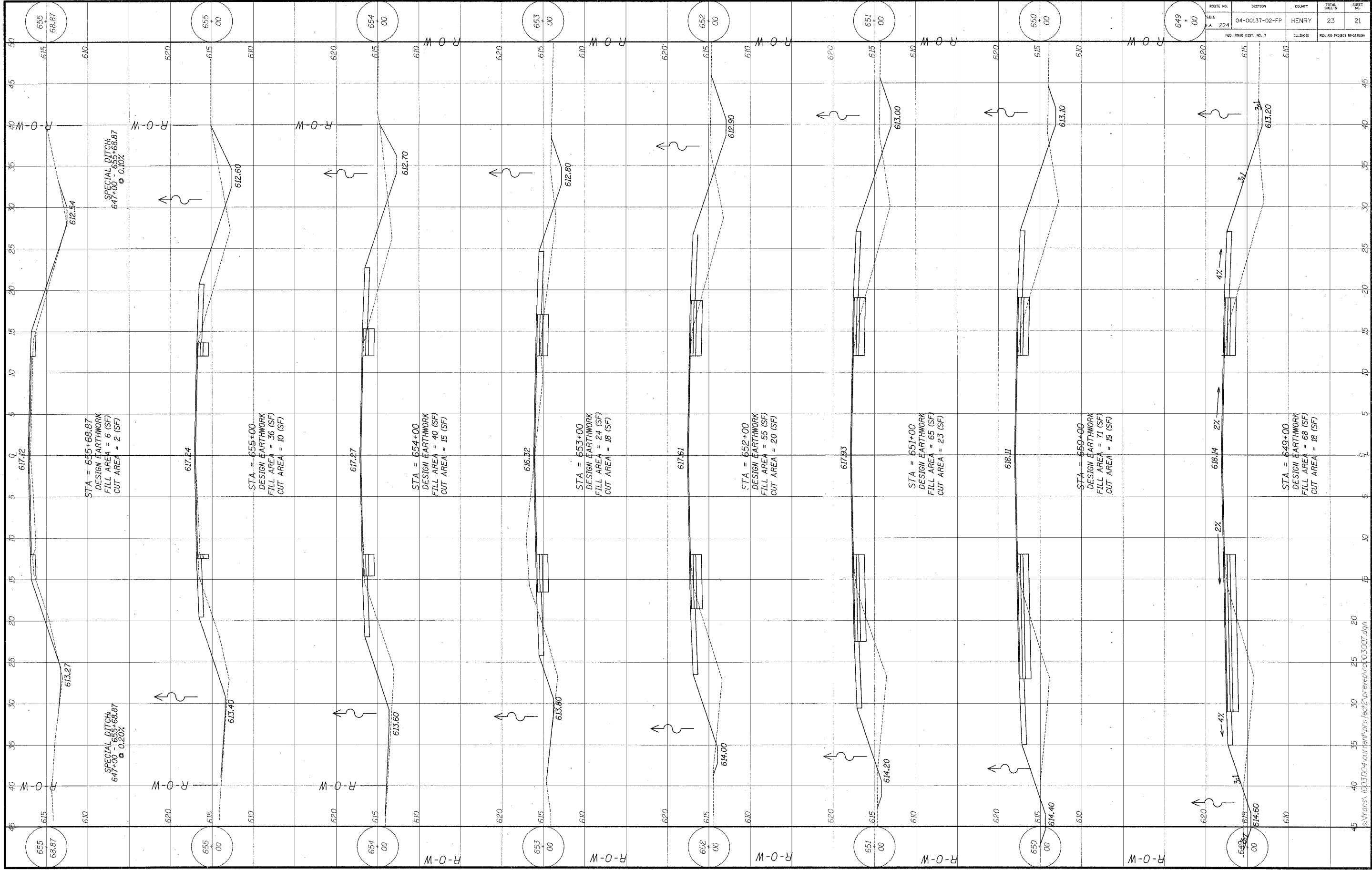
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A. 224	04-00137-02-FP	HENRY	23	19
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT REVISION	



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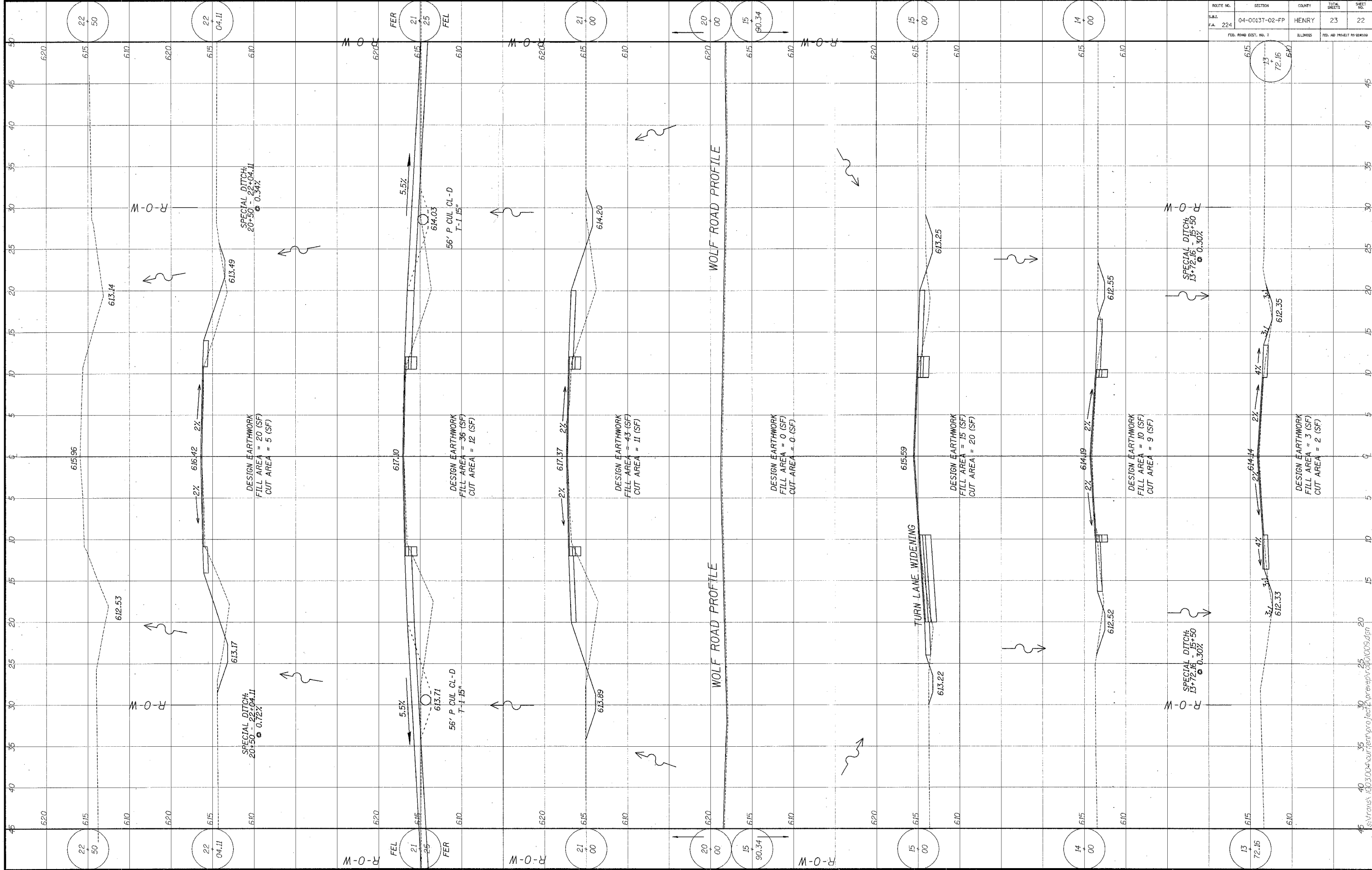
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
224	04-00137-02-FP	HENRY	23	21

FED. ROAD DIST. NO. 1

ILLINOIS FED. AID PROJECT NO. 28000

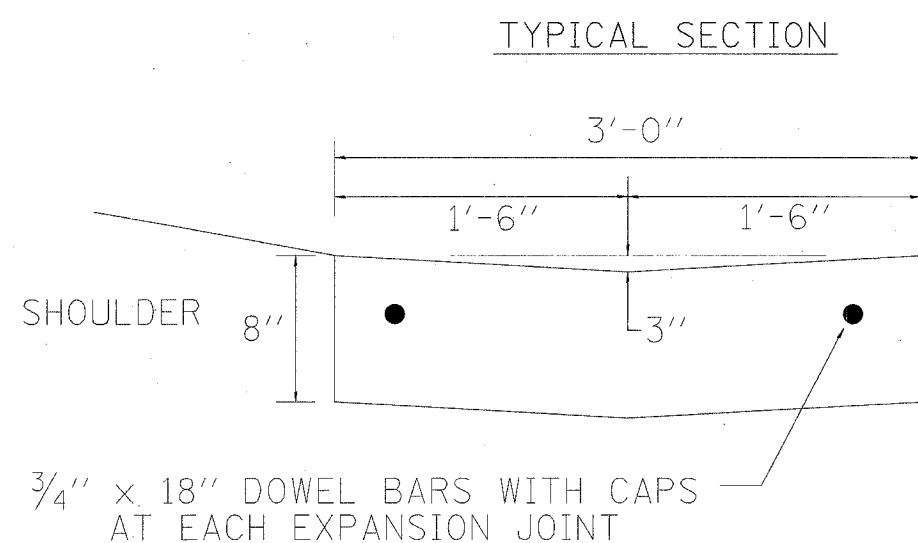
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.L. 224	04-00137-02-FP	HENRY	23	22
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJ. NO. 92-0009	



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.1. P.A. 224	04-00137-02-FP	HENRY	23	23
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT 94-2241(04)		

## CONCRETE GUTTER TYPE A, (MODIFIED)



SEE IDOT STANDARD 606101 FOR DIMENSIONS OF GUTTER OUTLET AND ENTRANCE TREATMENT. ENTRANCES AND GUTTER OUTLET TO BE PAID FOR AS CLASS SI CONCRETE (OUTLET)

NOTE:

CLASS SI CONCRETE SHALL BE USED THROUGHOUT. CONCRETE GUTTER TYPE A, (MODIFIED) SHALL BE CONSTRUCTED IN 100' SECTIONS WITH  $\frac{3}{4}$ " PREMOLDED EXPANSION JOINTS, AND 12' CONSTRUCTION JOINTS. THE DOWEL BARS SHALL BE GREASED ON THE END ON WHICH THE CAP IS PLACED. THE COST OF FURNISHING AND INSTALLING THE JOINTS COMPLETE IN PLACE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR CONCRETE GUTTER TYPE A, (MODIFIED)