

SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 224	04-00137-01-FP	HENRY	25	1
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT SR-224(105)	

INDEX OF SHEETS

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23	CROSS SECTIONS - 950 E. RIDGE ROAD
24	CONCRETE GUTTER TYPE A (MODIFIED)
25	INLET SPECIAL WITH FRAME AND GRATE

STATE OF ILLINOIS  
COUNTY OF HENRY

PLANS FOR PROPOSED  
FEDERAL-AID SECONDARY PROJECT

SECTION 04-00137-01-FP  
WOLF ROAD/950 E. RIDGE ROAD  
INTERSECTION & TURN LANES  
F.A.S. ROUTE 224 C.H. 2  
PROJECT SR-224(105)  
JOB NO. C-92-061-05  
CONTRACT NO. 85370

2006

PLAN HORIZ. 1" = 20'

SCALES: PROFILE HORIZ. 1" = 20'

PROFILE VERT. 1" = 5'

CROSS SECTIONS 1" = 5', 10'

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 (309) 743-4750	CABLE TV
GENESEO COMMUNICATIONS 111 E. First Street Geneseo, IL 61254 Attn: Matt Storm (309) 944-2103 x 012	TELEPHONE
MID-AMERICAN ENERGY 2811 Fifth Avenue Rock Island, IL 61201 Attn: Steve Kelsey (309) 793-3778	GAS/ELECTRIC

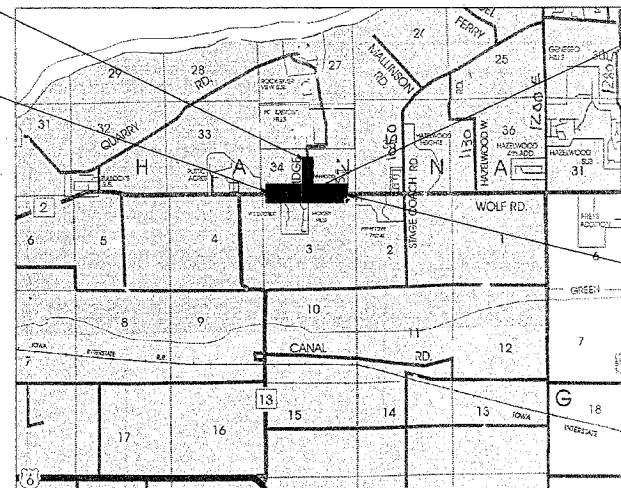
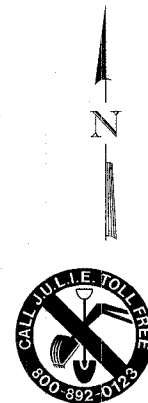
950 E RIDGE ROAD  
ENDS AT STA. 12+12.02

WOLF ROAD  
BEGINS AT STA. 502+35.76

950 E. RIDGE ROAD  
STARTS AT STA. 10+19

WOLF ROAD  
ENDS AT STA. 522+08.57

DESIGN CRITERIA			
DESIGN SPEED:	60 MPH - WOLF ROAD		
	50 MPH - 950 E. RIDGE ROAD		
CLEAR ZONE: 20'			
FUNCTIONAL CLASSIFICATION	HIGHWAY	DHV (2024)	TRUCKS (1%)
LOCAL	950 E. RIDGE ROAD	200 - 400	1
RURAL MAJOR COLLECTOR	WOLF ROAD	400 - 1425	1



LOCATION MAP

NET LENGTH = 2,165.83 FEET = 0.41 MILES



APPROVED: Jan 6 2006 LOCAL AGENCY OFFICIAL  
 PASSED: January 27 2006  
 APPROVED: January 27 2006  
 For Bidding: Jan 27 2006  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION



809 East Second Street Dixon, Illinois 61021  
 Phone 815.284.3381 Fax 815.284.3385  
 Design Firm #154-000918  
 www.willetthofmann.com

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
224	04-00137-01-FP	HENRY	25	2
FED. ROAD DIST. NO. 1		ILL. INDIS.	FED. AID PROJECT 99-0241193	

## SUMMARY OF QUANTITIES

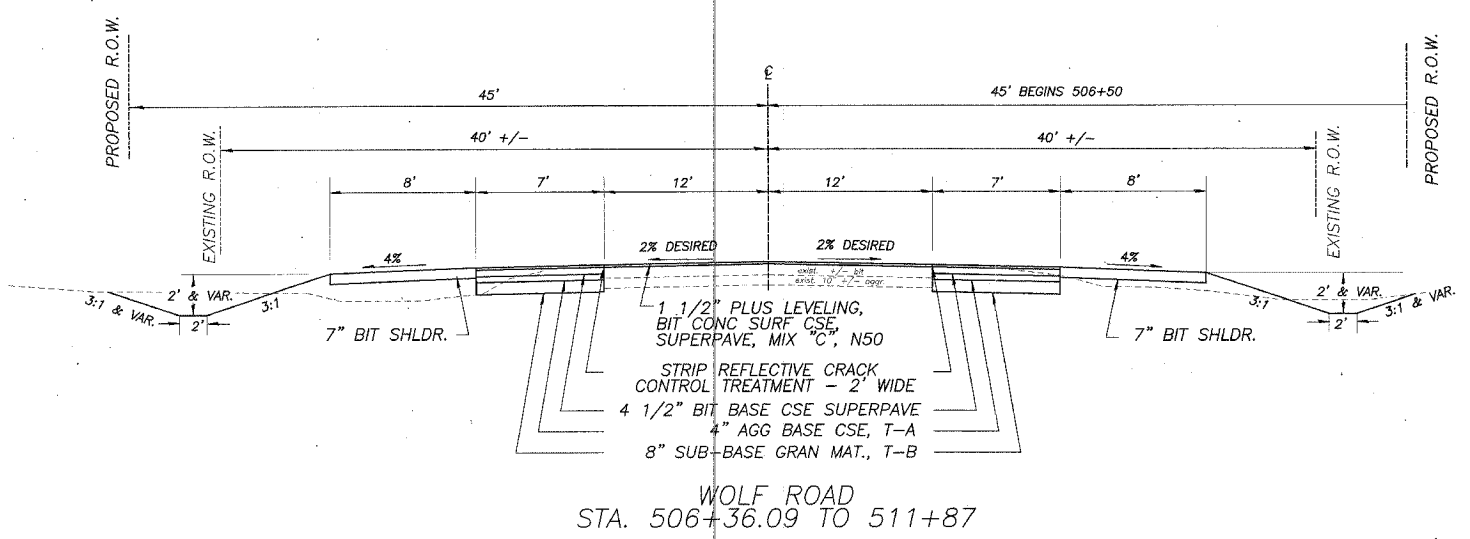
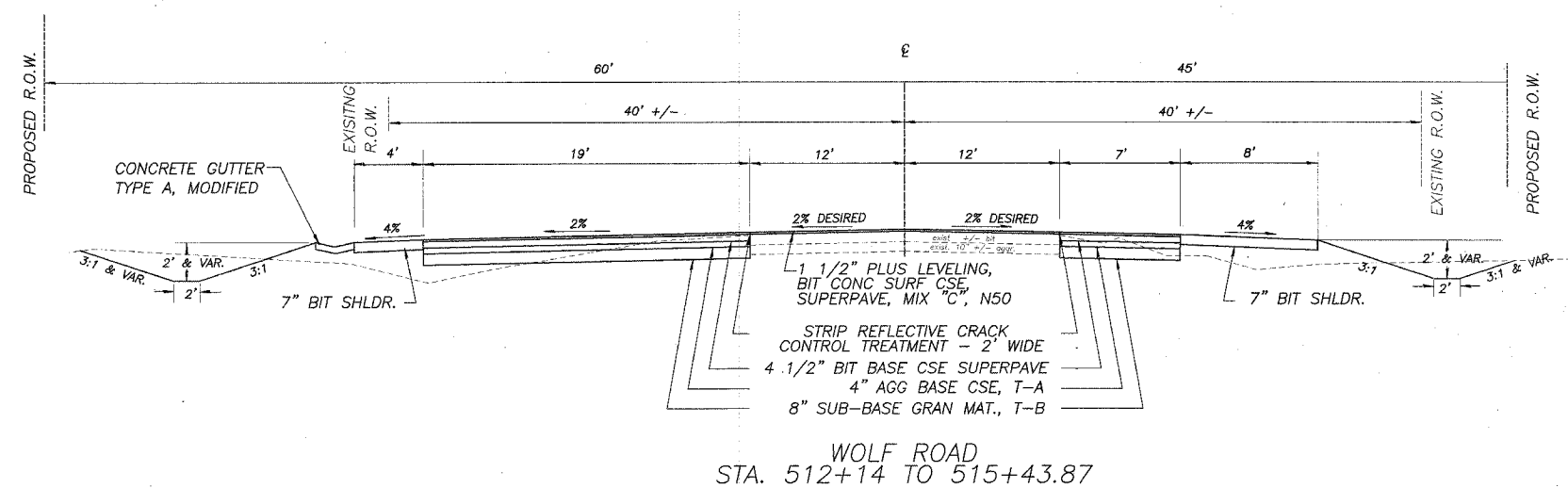
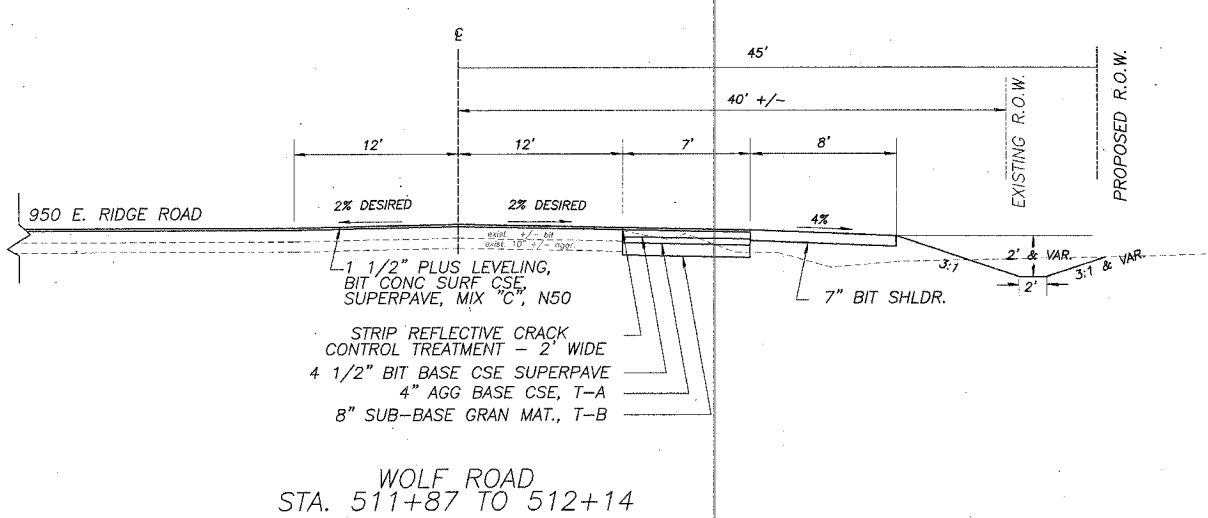
CONSTRUCTION TYPE CODE - I000-2A  
ITEM

CODE NO.	ITEM	UNIT	TOTAL
20100110	TREE REMOVAL ( 6 TO 15 UNITS DIAMETER)	UNITS	50
20100210	TREE REMOVAL ( OVER 15 UNITS DIAMETER)	UNITS	78
* 20200410	EARTH EXCAVATION ( SPECIAL)	CU YD	2740
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100
25000200	SEEDING, CLASS 2	ACRE	2.18
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	196
25000500	PHOSPHUROUS FERTILIZER NUTRIENT	POUND	196
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	196
25100115	MULCH METHOD 2	ACRE	2.18
25100630	EROSION CONTROL BLANKET	SQ YD	376
28000300	TEMPORARY DITCH CHECK	EACH	11
28000400	PERIMETER EROSION BARRIER	FOOT	775
* 31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TONS	1,705
* 35100100	AGGREGATE BASE COURSE, TYPE A	TONS	1,058.8
* 40200800	AGGREGATE SURFACE COURSE, TYPE B	TONS	30
* 40600100	BITUMINOUS MATERIALS ( PRIME COAT)	GALLON	3,017
* 40600300	AGGREGATE ( PRIME COAT)	TONS	13
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	192
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4,363
48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	1,398
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	587
* 542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	318
* 54215547	METAL END SECTIONS 12"	EACH	1
* 60602600	CONCRETE GUTTER, TYPE A ( MODIFIED)	FOOT	587
60600095	CLASS SI CONCRETE ( OUTLET)	CU YD	8
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	16
67100100	MOBILIZATION	L SUM	1
* 70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	386
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	125
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11,035
Δ 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	678
Δ 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	296
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	25
Δ 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	111
X3550010	BITUMINOUS BASE COURSE SUPERPAVE	TON	1,011
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	1,013.5
* Z0005400	BREAKER-RUN CRUSHED STONE	TON	205
* XX005728	INLETS WITH SPECIAL FRAME AND GRATE	EACH	4

Δ SPECIALTY ITEMS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.R. 1.	04-00137-01-FP	HENRY	25	3
F.A. 224				
FED. ROAD DIST. NO. 1				

# TYPICAL SECTIONS



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

**WOLF ROAD  
PAVEMENT STRUCTURAL DESIGN**  
80,000 LB. DESIGN

BITUMINOUS BASE COUSE MIN. MS 1700

CLASS II ROAD

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

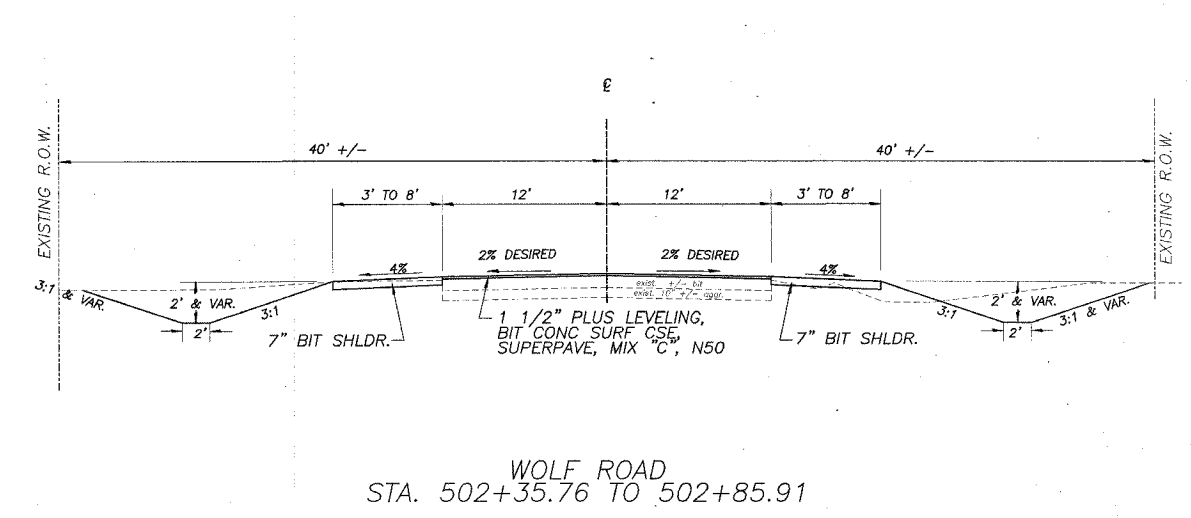
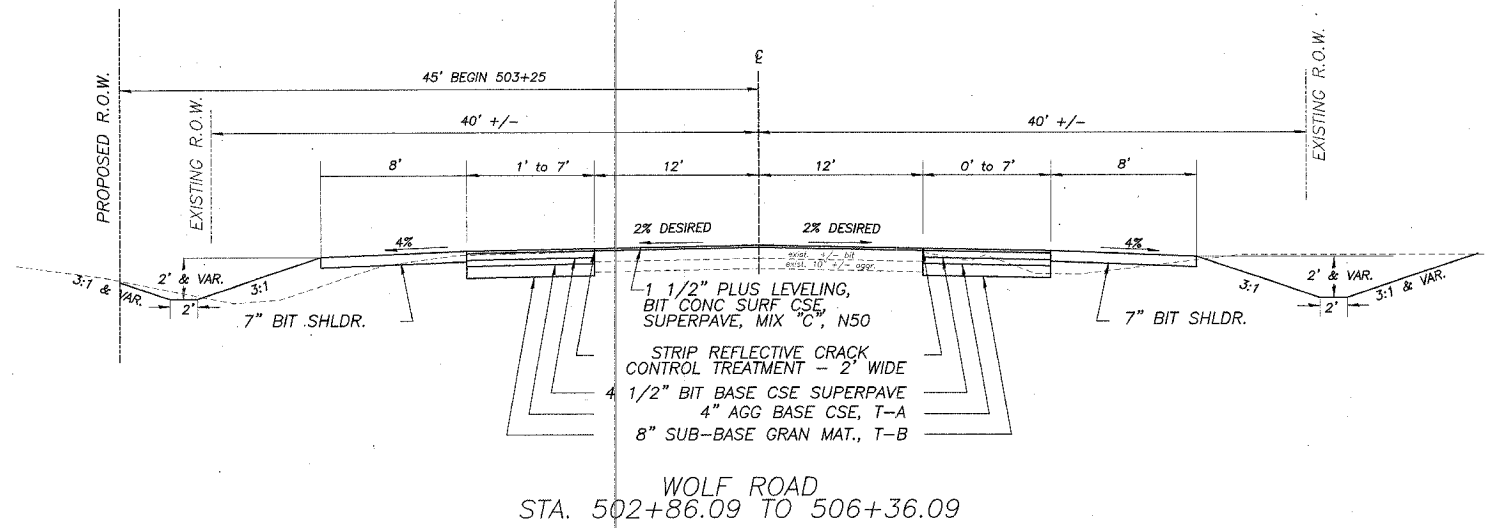
SUBBASE TYPE: AGGR. 4" T-A OVER 8" T-B; a<sub>3</sub> = 0.11 (12") = 1.32

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

P.C. 5820

S.U. 20 > 5880 ADT

M.U. 40



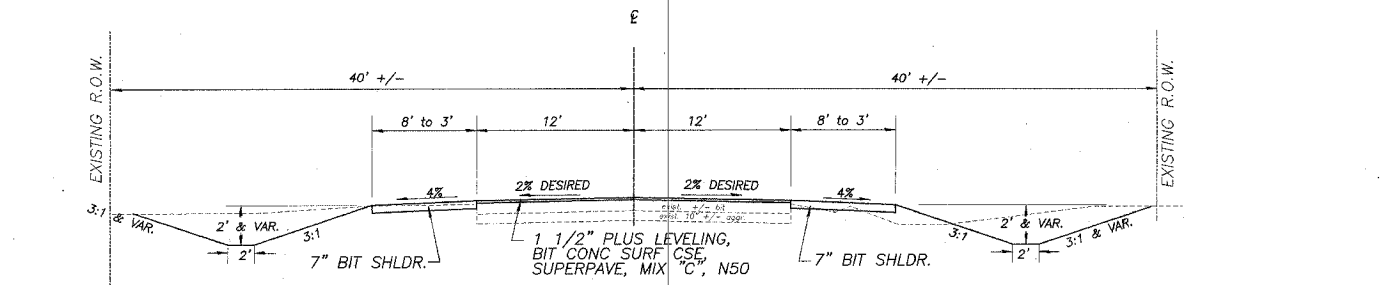
# TYPICAL SECTIONS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.1.	04-00137-01-FP	HENRY	25	4
F.A. 224				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 99-2241100		

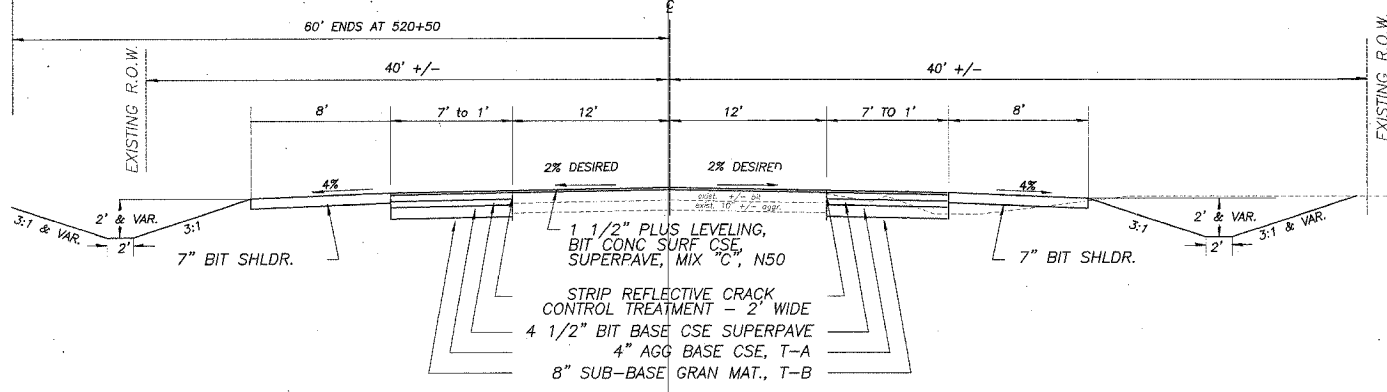
CONSTRUCT COMMERCIAL ENTRANCES WITH 10" AGGREGATE BASE COURSE, TYPE A (CA-6) AND 3" BIT CONC SURFACE COURSE, SUPERPAVE, MIX "C", N50

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)

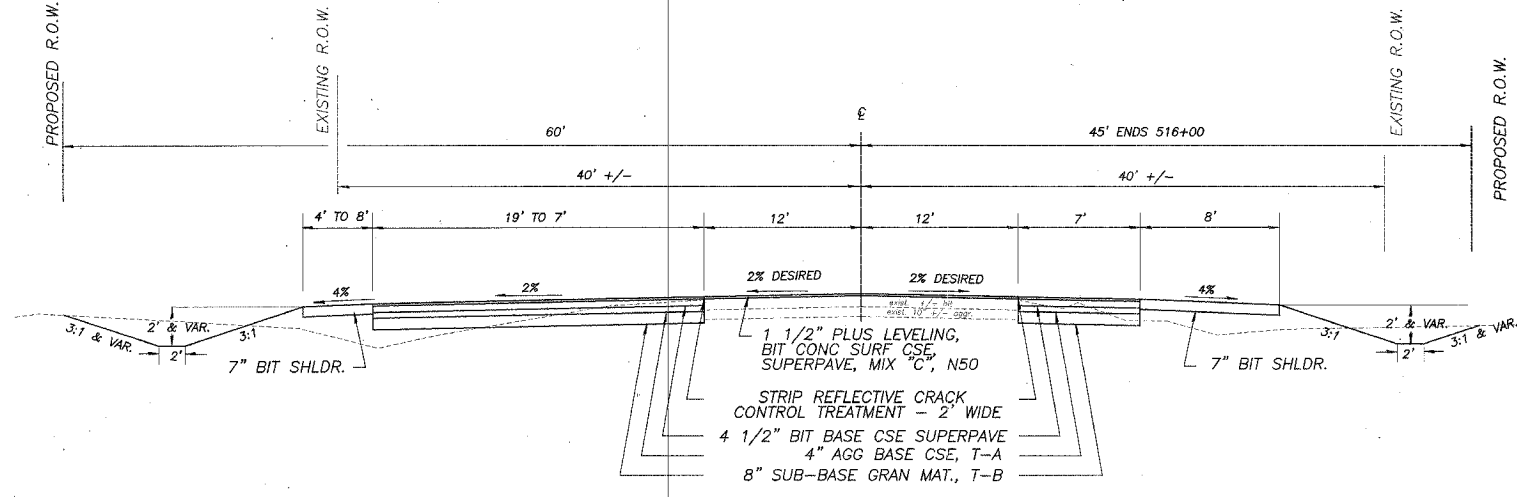
CONSTRUCT FIELD ENTRANCES WITH 10" AGGREGATE BASE COURSE, TYPE A (CA-6).



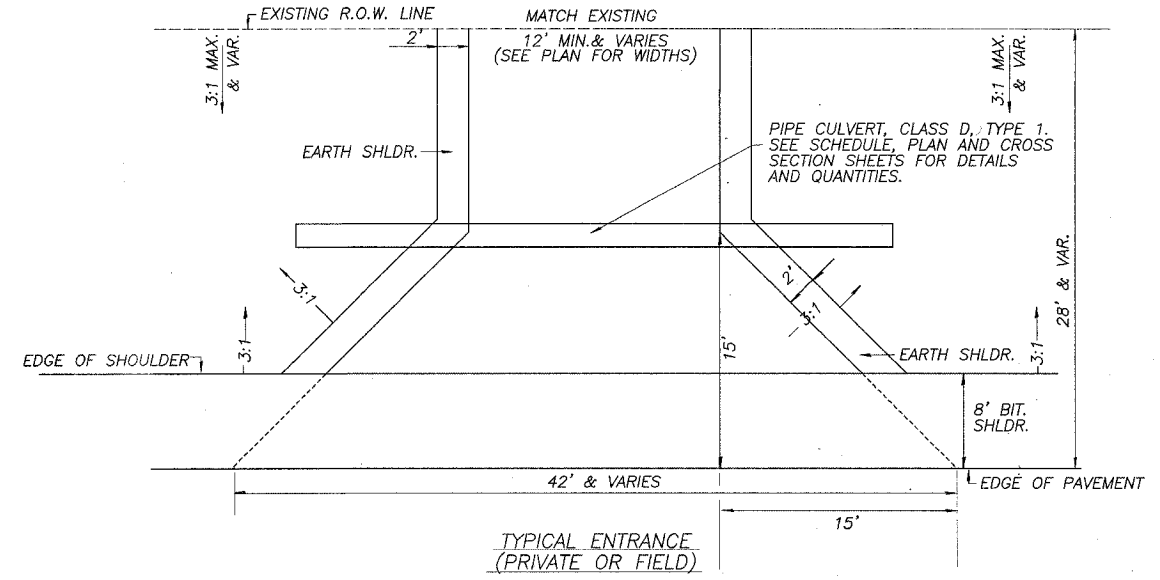
WOLF ROAD  
STA. 521+58.87 TO 522+08.57



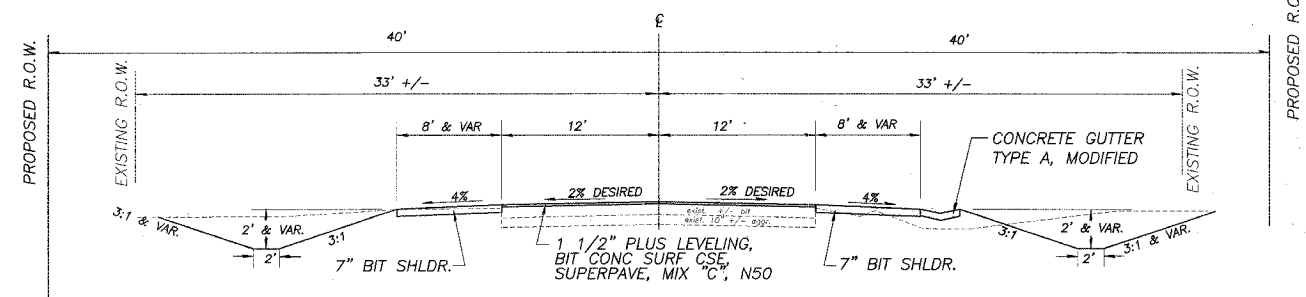
WOLF ROAD  
STA. 518+08.87 TO 521+58.87



WOLF ROAD  
STA. 515+43.87 TO 518+08.87



TYPICAL ENTRANCE  
(PRIVATE OR FIELD)



ALL WIDENING SAME DEPTH & MATERIAL AS WOLF ROAD THRU RETURNS

950 E. RIDGE ROAD

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.
Sub-1: P.A. 224	04-00137-01-FP	HENRY	25	5
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT 04-024100		

# 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. 502+35.76 TO 522+08.57	2,495	1,872	2,119	-248
950 E. RIDGE ROAD STA. 10+19 TO 12+12.02	245	183	5	178
<b>TOTALS</b>	<b>2,740</b>	<b>2,055</b>	<b>2,125</b>	<b>-70</b>

BALANCE +/-

TREE REMOVAL (6 TO 15 UNITS DIAMETER)		
STATION	UNITS	REMARKS
41' LT 514+33	15	
41' LT 514+66	12	
45' LT 514+72	8	
39' LT 514+73	15	
<b>PROJECT TOTAL</b>	<b>50</b>	

20100110

TREE REMOVAL (OVER 15 UNITS DIAMETER)		
STATION	UNITS	REMARKS
46' LT 515+12	48	
46' LT 515+69	30	
<b>PROJECT TOTAL</b>	<b>78</b>	

20100210

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. L & R 502+35.76 - 522+08.57	178	1.98 ACRES @ 90 LBS/ACRE
Ridge Rd. L & R 10+00 - 12+12.02	18	.20 ACRES @ 90 LBS/ACRE
<b>PROJECT TOTAL</b>	<b>196</b>	

25000400

PHOSPHOROUS FERTILIZER		
STATION	POUNDS	REMARKS
Wolf Rd. L & R 502+35.76 - 522+08.57	178	1.98 ACRES @ 90 LBS/ACRE
Ridge Rd. L & R 10+00 - 12+12.02	18	.20 ACRES @ 90 LBS/ACRE
<b>PROJECT TOTAL</b>	<b>196</b>	

25000500

POTASSIUM FERTILIZER		
STATION	POUNDS	REMARKS
Wolf Rd. L & R 502+35.76 - 522+08.57	178	1.98 ACRES @ 90 LBS/ACRE
Ridge Rd. L & R 10+00 - 12+12.02	18	.20 ACRES @ 90 LBS/ACRE
<b>PROJECT TOTAL</b>	<b>196</b>	

25000600

SEEDING, CLASS 2		
STATION	ACRES	REMARKS
Wolf Rd. L & R 502+35.76 - 522+08.57	1.98	
Ridge Rd. L & R 10+00 - 12+12.02	0.20	
<b>PROJECT TOTAL</b>	<b>2.18</b>	

25000200

MULCH METHOD 2		
STATION	ACRES	REMARKS
Wolf Rd. L & R 635+98.67 - 655+68.87	1.98	
Ridge Rd. L & R 10+00 - 12+12.02	0.20	
<b>PROJECT TOTAL</b>	<b>2.18</b>	

25100115

EROSION CONTROL BLANKET		
STATION	SQ YD	REMARKS
R 505+25 - 506+00	50	6' WIDE - ON BACKSLOPE
L 511+00 - 12+00	141	6' WIDE
R 512+15 - 513+00	85	6' WIDE - ON BACKSLOPE
R 520+50 - 522+00	100	6' WIDE - ON BACKSLOPE
<b>PROJECT TOTAL</b>	<b>376</b>	

25100630

TEMPORARY DITCH CHECKS		
STATION	EACH	REMARKS
WOLF ROAD L & R 502+80	2	AS DIRECTED BY THE ENGINEER
L 507+10	1	AS DIRECTED BY THE ENGINEER
R 507+15	1	AS DIRECTED BY THE ENGINEER
R 509+85	1	AS DIRECTED BY THE ENGINEER
L 510+25	1	AS DIRECTED BY THE ENGINEER
R 512+85	1	AS DIRECTED BY THE ENGINEER
L & R 521+50	2	AS DIRECTED BY THE ENGINEER
RIDGE ROAD L 12+00	1	AS DIRECTED BY THE ENGINEER
R 13+00	1	AS DIRECTED BY THE ENGINEER
<b>PROJECT TOTAL</b>	<b>11</b>	

28000300

# SCHEDULES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
224	04-00137-01-FP	HENRY	25	6
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 08-224105	

PERIMETER EROSION BARRIER		
STATION	FOOT	REMARKS
R 507+00 - 510+00	300	SET INSIDE OF R.O.W. LINE
R 514+25 - 519+00	475	SET INSIDE OF R.O.W. LINE
<b>PROJECT TOTAL</b>	<b>775</b>	

28000400

SUB-BASE GRANULAR MATERIAL, TYPE B		
STATION	TONS	REMARKS
Wolf Rd.		
L 502+85.91 - 511+87	265.8	8"
L 512+14 - 521+58.65	501.6	8"
R 502+85.91 - 511+87	257.1	8"
R 511+87 - 521+58.65	519.5	8"
Ridge Rd.		
L 10+19 - 12+98	52.4	8" RETURNS ON 950 E. RIDGE ROAD
R 10+31 - 12+98	91.4	8" RETURNS ON 950 E. RIDGE ROAD
L & R 10+20 - 10+30	17.2	8" RIDGE ROAD PIPE REMOVAL
<b>PROJECT TOTAL</b>	<b>1,705</b>	

31101000

AGGREGATE BASE COURSE, TYPE A		
STATION	TONS	REMARKS
Wolf Rd.		
L 502+85.91 - 511+87	132.9	4"
L 512+14 - 521+58.65	250.8	4"
R 502+85.91 - 511+87	128.5	4"
R 511+87 - 521+58.65	259.7	4"
PER 505+07	22.5	8"
R 510+16 HICKORY DR	30.9	10"
CER 510+63	34.3	10"
FER 512+04	16.7	10"
FER 515+54	27.9	10"
PEL 508+47	13.3	8"
CEL 514+12	9.5	10"
PEL 514+88	4.0	8"
PEL 521+15	21.9	8"
Ridge Rd.		
L 10+19 - 12+98	26.1	4" RETURNS & 950 E. RIDGE ROAD
R 10+31 - 12+98	45.7	4" RETURNS & 950 E. RIDGE ROAD
L & R 10+20 - 10+30	8.6	4" 15" PIPE REMOVAL
CER 11+52	25.5	10" 950 E. RIDGE ROAD
<b>PROJECT TOTAL</b>	<b>1,058.8</b>	

35100100

AGGREGATE SURFACE COURSE, TYPE B		
STATION	TONS	REMARKS
AS NEEDED BY ENGR.		
	30.0	CONTINGENCY ITEM FOR TEMP. ENTR'S.
<b>PROJECT TOTAL</b>	<b>30</b>	

40200800

BITUMINOUS MATERIALS (PRIME COAT)		
STATION	TONS	REMARKS
Wolf Rd.		
L 502+85.91 - 511+87	292	0.5 GAL/SY ON AGGP
L 512+14 - 521+58.65	551	0.5 GAL/SY ON AGGP
R 502+85.91 - 511+87	282	0.5 GAL/SY ON AGGP
R 511+87 - 521+58.65	570	0.5 GAL/SY ON AGGP
PER 505+07	25	0.5 GAL/SY ON AGGP
R 510+16 HICKORY DR	27	0.5 GAL/SY ON AGGP
CER 510+63	30	0.5 GAL/SY ON AGGP
FER 512+04	15	0.5 GAL/SY ON AGGP
FER 515+54	24	0.5 GAL/SY ON AGGP
PEL 508+47	15	0.5 GAL/SY ON AGGP
CEL 514+12	36	0.5 GAL/SY ON AGGP
PEL 514+88	24	0.5 GAL/SY ON AGGP
PEL 521+15	16	0.5 GAL/SY ON AGGP
L 502+35.76 - 511+87	185	0.1 GA/SY SURFACING OVER BIT
L 511+87 - 522+08.57	265	0.1 GA/SY SURFACING OVER BIT
R 502+35.76 - 511+87	183	0.1 GA/SY SURFACING OVER BIT
R 511+87 - 522+08.57	200	0.1 GA/SY SURFACING OVER BIT
Ridge Rd.		
L 10+19 - 12+98	57	0.5 GAL/SY ON AGGP
R 10+31 - 12+98	100	0.5 GAL/SY ON AGGP
L & R 10+20 - 10+30	19	0.5 GAL/SY ON AGGP
L 10+19 - 12+98	37	0.1 GA/SY SURFACING OVER BIT
R 10+31 - 12+98	42	0.1 GA/SY SURFACING OVER BIT
CER 11+52	22	0.5 GAL/SY ON AGGP
<b>PROJECT TOTAL</b>	<b>3,017</b>	

40600100

AGGREGATE PRIME COAT		
STATION	TONS	REMARKS
ENTIRE PROJECT		
	13	3 LBS./S.Y.
<b>PROJECT TOTAL</b>	<b>13</b>	

40600300

BITUMINOUS BASE COURSE SUPERPAVE		
STATION	TONS	REMARKS
Wolf Rd.		
L 502+85.91 - 511+87	157.7	4 1/2"
L 512+14 - 521+58.65	297.5	4 1/2"
R 502+85.91 - 511+87	152.4	4 1/2"
R 511+87 - 521+58.65	308.0	4 1/2"
Ridge Rd.		
L 10+19 - 12+98	31.0	4 1/2" RETURNS AT
R 10+31 - 12+98	54.2	4 1/2" RETURNS AT
L & R 10+20 - 10+30	10.2	4 1/2" 15" PIPE REMOVAL
<b>PROJECT TOTAL</b>	<b>1,011</b>	

X3550010

BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50		
STATION	TONS	REMARKS
Wolf Rd.		
L 502+35.76 - 511+87	194.6	1 1/2" PLUS LEVELING, 1.75", 1 LIFT
R 502+35.76 - 511+87	192.6	1 1/2" PLUS LEVELING, 1.75", 1 LIFT
PER 505+07	9.0	3"
PEL 508+47	5.3	3"
R 510+16 HICKORY DR	9.8	3"
CER 510+63	10.8	3"
L 511+87 - 522+08.57	278.8	1 1/2" PLUS LEVELING, 1.75", 1 LIFT
R 511+87 - 522+08.57	210.2	1 1/2" PLUS LEVELING, 1.75", 1 LIFT
CEL 514+12	3.0	3"
PEL 514+88	1.6	3"
PEL 521+15	6.9	3"
Ridge Rd.		
L 10+19 - 12+98	38.8	1 1/2" PLUS LEVELING, 1.75", 1 LIFT
R 10+31 - 12+98	44.0	1 1/2" PLUS LEVELING, 1.75", 1 LIFT
CER 11+52	8.1	3"
<b>PROJECT TOTAL</b>	<b>1,013.5</b>	

X4066414

BITUMINOUS SURFACE REMOVAL - BUTT JOINT		
STATION	SQ YD	REMARKS
Wolf Rd.		
502+35.76 - 502+60.76	67	
521+83.57 - 522+08.57	67	
Ridge Rd.		
11+87.02 - 12+12.02	58	
<b>PROJECT TOTAL</b>	<b>192</b>	

40600980

# SCHEDULES

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B. I.	04-00137-01-FP	HENRY	25	7
F.A. 224				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT 05-024195		

STRIP REFLECTIVE CRACK CONTROL TREATMENT			
STATION	FOOT		REMARKS
Wolf Rd.			
L 502+35.76 - 511+87	951	2' WIDE	APPLIED ALONG WIDENING
L 512+14 - 521+58	944	2' WIDE	APPLIED ALONG WIDENING
R 502+35.76 - 521+58	1,922	2' WIDE	APPLIED ALONG WIDENING
Ridge Rd.			
L 10+19 - 12+98	279	2' WIDE	APPLIED ALONG WIDENING
R 10+31 - 12+98	267	2' WIDE	APPLIED ALONG WIDENING
<b>PROJECT TOTAL</b>	<b>4,363</b>		

44300200

BITUMINOUS SHOULDERS SUPERPAVE		
STATION	TON	REMARKS
Wolf Rd.		
L 502+35.76 - 510+74	307	8' & VAR
L 512+78.30 - 522+08.57	284	8', 4' & VAR
R 502+35.76 - 522+08.57	675	8' & VAR
Ridge Rd.		
L 10+19 - 12+12.02	80	8', 4' & VAR
R 10+31 - 12+12.02	51	8', 4' & VAR
<b>PROJECT TOTAL</b>	<b>1,398</b>	

48202000

PIPE CULVERTS, CLASS D, TYPE 1 12"		
STATION	FOOT	REMARKS
L 512+44 - L 513+40	97	
L 513+40 - L 514+50	110	
L 514+50 - L 516+30	180	
L 516+30 - L 518+30	200	
<b>PROJECT TOTAL</b>	<b>587</b>	

542D0217

PIPE CULVERTS, CLASS D, TYPE 1 15"		
STATION	EACH	REMARKS
Wolf Rd.		
PER 505+07	42	
PEL 508+47	32	
HICKORY DR & CER 510+63	90	
FER 512+04	26	
CEL 514+12	38	
PEJ 514+88	32	
PEL 521+15	30	
Ridge Rd.		
PER 11+52	28	
<b>PROJECT TOTAL</b>	<b>318</b>	

542D0220

METAL END SECTIONS 12"		
STATION	EACH	REMARKS
L 518+30	1	
<b>PROJECT TOTAL</b>	<b>1</b>	

54215547

CONCRETE GUTTER, TYPE A (MODIFIED)		
STATION	FOOT	REMARKS
WOLF RD.		
512+44 - 513+92	157	
514+31 - 514+77	46	
515+00 - 518+00	300	
RIDGE RD.		
10+55 - 11+37	84	
<b>PROJECT TOTAL</b>	<b>587</b>	

60602600

CLASS SI CONCRETE (OUTLET)		
STATION	CU YD	REMARKS
L 518+08.87 - 518+45	3	
CE L 514+12	3	
PE L 514+88	2	
<b>PROJECT TOTAL</b>	<b>8</b>	

60600095

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS		
STATION	EACH	REMARKS
Wolf Rd.		
38.56' LT 503+50	1	
45' LT 503+50	1	
45' LT 511+15	1	
45' LT 513+50	1	
45' LT 521+00	1	
39.24' LT 522+00	1	
41.15' RT 506+50	1	
45' RT 506+50	1	
45' RT 513+00	1	
45' RT 520+50	1	
40.73' RT 520+50	1	
Ridge Rd.		
801.8' RT 10+57.10	1	
40' LT 10+91.70	1	
40' LT 12+12.00	1	
27.95' LT 12+12.00	1	
28.81' RT 11+01.29	1	
<b>PROJECT TOTAL</b>	<b>16</b>	

66600105

SHORT-TERM PAVEMENT MARKING		
STATION	FOOT	REMARKS
Wolf Rd.		
L & R 502+35.76 - 522+08.57	350	4-40 CL MARKING - 2 LIFTS
Ridge Rd.		
10+00 - 12+12.02	36	4-40 CL MARKING - 2 LIFTS
<b>PROJECT TOTAL</b>	<b>386</b>	

70300100

WORK ZONE PAVEMENT MARKING REMOVAL		
STATION	SQ FT	REMARKS
Wolf Rd.		
L & R 502+35.76 - 522+08.57	116	
Ridge Rd.		
10+00 - 12+12.02	9	
<b>PROJECT TOTAL</b>	<b>125</b>	

70301000

THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS		
STATION	SQ FT	REMARKS
509+11	21.2	LEFT TURN ARROW
509+91	21.2	LEFT TURN ARROW
510+68	21.2	LEFT TURN ARROW
511+38	21.2	LEFT TURN ARROW
512+97	21.2	LEFT TURN ARROW
513+77	21.2	LEFT TURN ARROW
514+53	21.2	LEFT TURN ARROW
515+33	21.2	LEFT TURN ARROW
<b>PROJECT TOTAL</b>	<b>170</b>	

781000100

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SAL. FA 224	04-00137-01-FP	HENRY	25	8
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT OR ORDER	

# SCHEDULES

THERMOPLASTIC PAVEMENT MARKING - LINE 4"		
STATION	FOOT	REMARKS
Wolf Rd.		
L 502+35.76 - 12+12.02	1,578	WHITE EDGE LINE
R 502+35.76 - 522+08.57	1,973	WHITE EDGE LINE
L 12+12.02 - 522+08.57	1,141	WHITE EDGE LINE
503+11 - 511+66	1,712	DBL YELLOW-CL
503+44 - 508+95	1,100	DBL YELLOW-CL
512+41 - 521+34	1,790	DBL YELLOW-CL
512+47 - 520+92	1,700	DBL YELLOW-CL
Ridge Rd.		
10+47 - 12+12.02	41	YELLOW-CL 10-40 SPACING
<b>PROJECT TOTAL</b>	<b>11,035</b>	

78000200

THERMOPLASTIC PAVEMENT MARKING - LINE 8"		
STATION	FOOT	REMARKS
506+34 - 508+92	64	WHITE 3-9 SKIP DASH
508+92 - 511+66	274	WHITE TURN LANE
512+78 - 515+54	276	WHITE TURN LANE
515+54 - 518+09	64	WHITE 3-9 SKIP DASH
<b>PROJECT TOTAL</b>	<b>678</b>	

78000500

THERMOPLASTIC PAVEMENT MARKING - LINE 12"		
STATION	FOOT	REMARKS
503+50 - 508+60	148	YELLOW MEDIAN MARKING
512+75 - 520+49	148	YELLOW MEDIAN MARKING
<b>PROJECT TOTAL</b>	<b>296</b>	

78000600

THERMOPLASTIC PAVEMENT MARKING - LINE 24"		
STATION	FOOT	REMARKS
LT 10+47	25	STOP LINE
<b>PROJECT TOTAL</b>	<b>25</b>	

78000650

RAISED REFLECTIVE PAVEMENT MARKER		
STATION	EACH	REMARKS
Wolf Rd.		
502+30	1	2-WAY AMBER MARKERS
502+70	1	2-WAY AMBER MARKERS
L & R 503+10	2	1-WAY AMBER MARKERS
L & R 503+60	2	1-WAY AMBER MARKERS
L & R 504+00	2	1-WAY AMBER MARKERS
L & R 504+40	2	1-WAY AMBER MARKERS
L & R 504+80	2	1-WAY AMBER MARKERS
L & R 505+20	2	1-WAY AMBER MARKERS
L & R 505+60	2	1-WAY AMBER MARKERS
L & R 506+00	2	1-WAY AMBER MARKERS
L & R 506+40	2	1-WAY AMBER MARKERS
L & R 506+80	2	1-WAY AMBER MARKERS
L & R 507+20	2	1-WAY AMBER MARKERS
L & R 507+60	2	1-WAY AMBER MARKERS
L & R 508+00	2	1-WAY AMBER MARKERS
L 508+40	2	1-WAY AMBER MARKERS
L 508+80	2	1-WAY AMBER MARKERS
R 509+00	1	1-WAY CRYSTAL MARKER
L 509+20	2	2-WAY AMBER MARKERS
R 509+20	1	1-WAY CRYSTAL MARKER
L 509+60	2	2-WAY AMBER MARKERS
R 509+60	1	1-WAY CRYSTAL MARKER
L 510+00	2	2-WAY AMBER MARKERS
R 510+00	1	1-WAY CRYSTAL MARKER
L 510+40	2	2-WAY AMBER MARKERS
R 510+40	1	1-WAY CRYSTAL MARKER
L 510+80	2	2-WAY AMBER MARKERS
R 510+80	1	1-WAY CRYSTAL MARKER
L 511+20	2	2-WAY AMBER MARKERS
R 511+20	1	1-WAY CRYSTAL MARKER
L 511+60	2	2-WAY AMBER MARKERS
R 511+60	1	1-WAY CRYSTAL MARKER
L 512+45	2	1-WAY AMBER MARKERS
L 512+80	1	1-WAY CRYSTAL MARKER
L & R 512+85	2	1-WAY AMBER MARKERS
L 513+20	1	1-WAY CRYSTAL MARKER
L & R 513+25	2	1-WAY AMBER MARKERS
L 513+60	1	1-WAY CRYSTAL MARKER
L & R 513+65	2	1-WAY AMBER MARKERS
L 514+00	1	1-WAY CRYSTAL MARKER
L & R 514+05	2	1-WAY AMBER MARKERS
L 514+80	1	1-WAY CRYSTAL MARKER
L & R 514+45	2	1-WAY AMBER MARKERS
L 515+20	1	1-WAY CRYSTAL MARKER
L & R 514+85	2	1-WAY AMBER MARKERS
L 515+52	1	1-WAY CRYSTAL MARKER
L & R 515+25	2	1-WAY AMBER MARKERS
L & R 515+65	2	1-WAY AMBER MARKERS
L & R 516+05	2	1-WAY AMBER MARKERS
L & R 516+45	2	1-WAY AMBER MARKERS
L & R 516+85	2	1-WAY AMBER MARKERS
L & R 517+25	2	1-WAY AMBER MARKERS
L & R 517+65	2	1-WAY AMBER MARKERS
L & R 518+05	2	1-WAY AMBER MARKERS
L & R 518+45	2	1-WAY AMBER MARKERS
L & R 518+85	2	1-WAY AMBER MARKERS
L & R 519+25	2	1-WAY AMBER MARKERS
L & R 519+65	2	1-WAY AMBER MARKERS

CON'T.

CON'T.

L & R 520+05	2	1-WAY AMBER MARKERS
L & R 520+45	2	1-WAY AMBER MARKERS
L & R 520+85	2	1-WAY AMBER MARKERS
L & R 521+35	2	1-WAY AMBER MARKERS
521+75	1	2-WAY AMBER MARKERS
522+15	1	2-WAY AMBER MARKERS
Ridge Rd.		
L & R 10+50	1	2-WAY AMBER MARKERS
L & R 11+30	1	2-WAY AMBER MARKERS
<b>PROJECT TOTAL</b>	<b>111</b>	

78100100

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

Z0005400

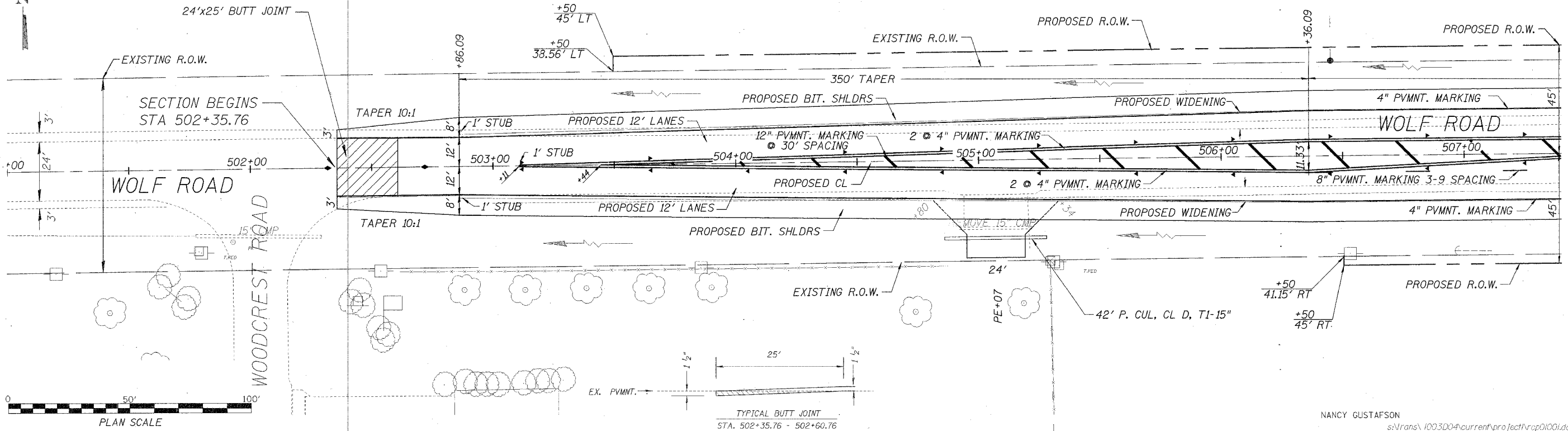
INLET SPECIAL WITH FRAME AND GRATE		
STATION	EACH	REMARKS
L 512+44	1	
L 513+40	1	
L 514+50	1	
L 516+30	1	
<b>PROJECT TOTAL</b>	<b>4</b>	



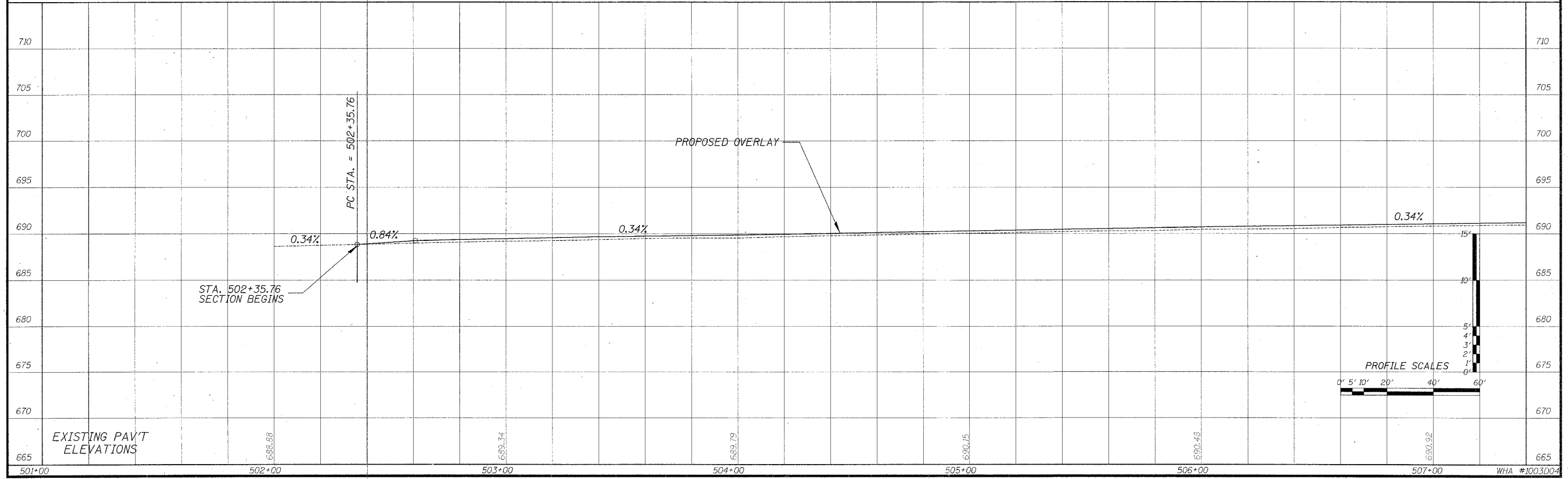
BRUCE G. SEARLE &  
CAROLYN A. SEARLE

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
224	04-00137-01-FP	HENRY	25	9
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. 24620	

ROBERT DEVORE &  
MARTHA DEVORE



NANCY GUSTAFSON  
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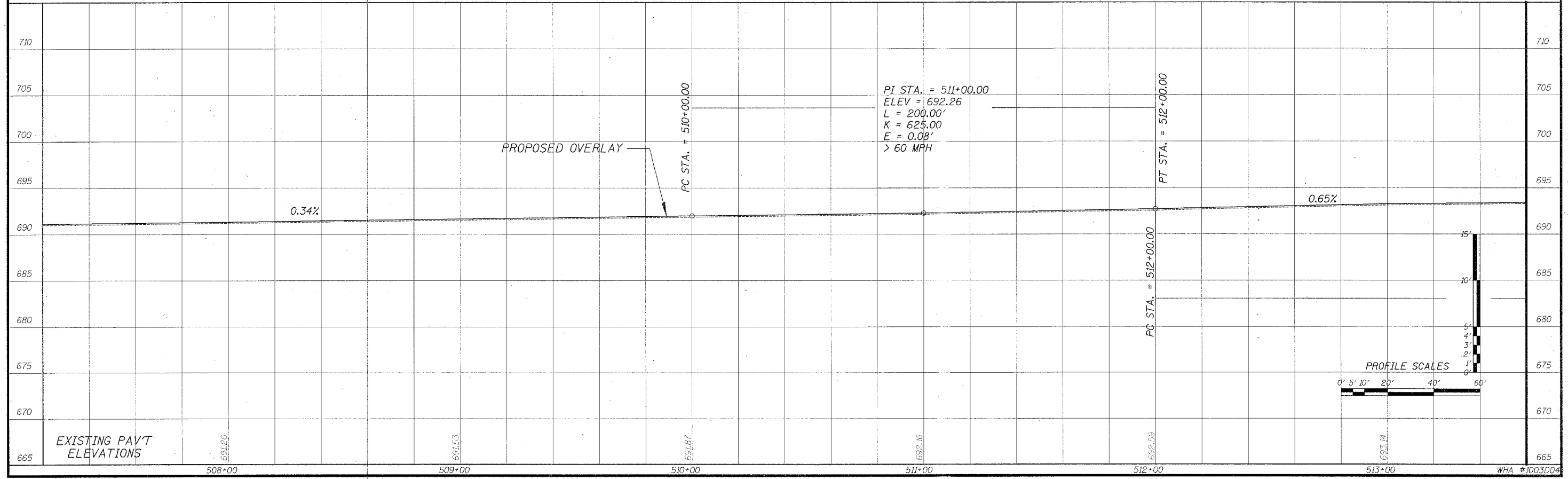
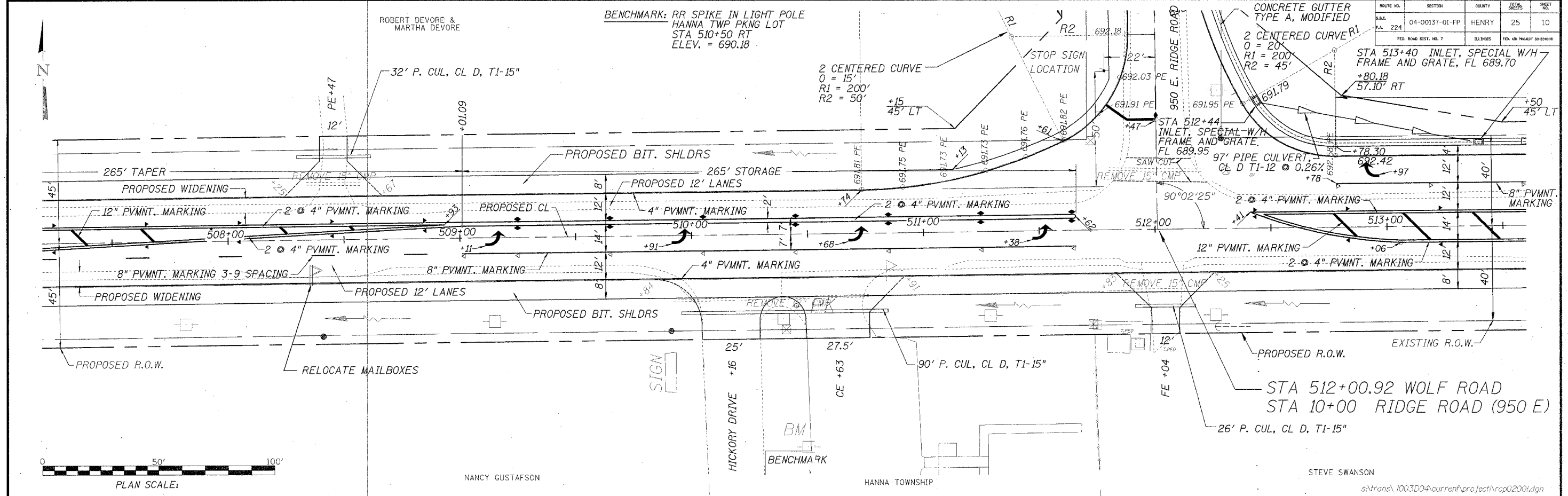


EXISTING PAV'T  
ELEVATIONS

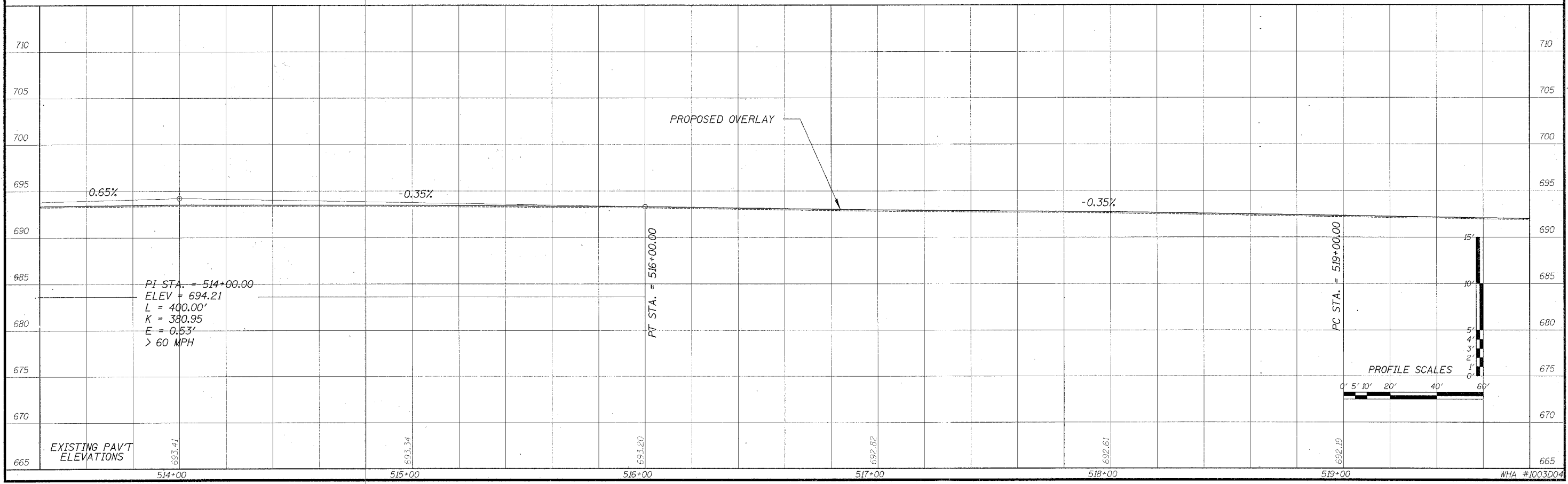
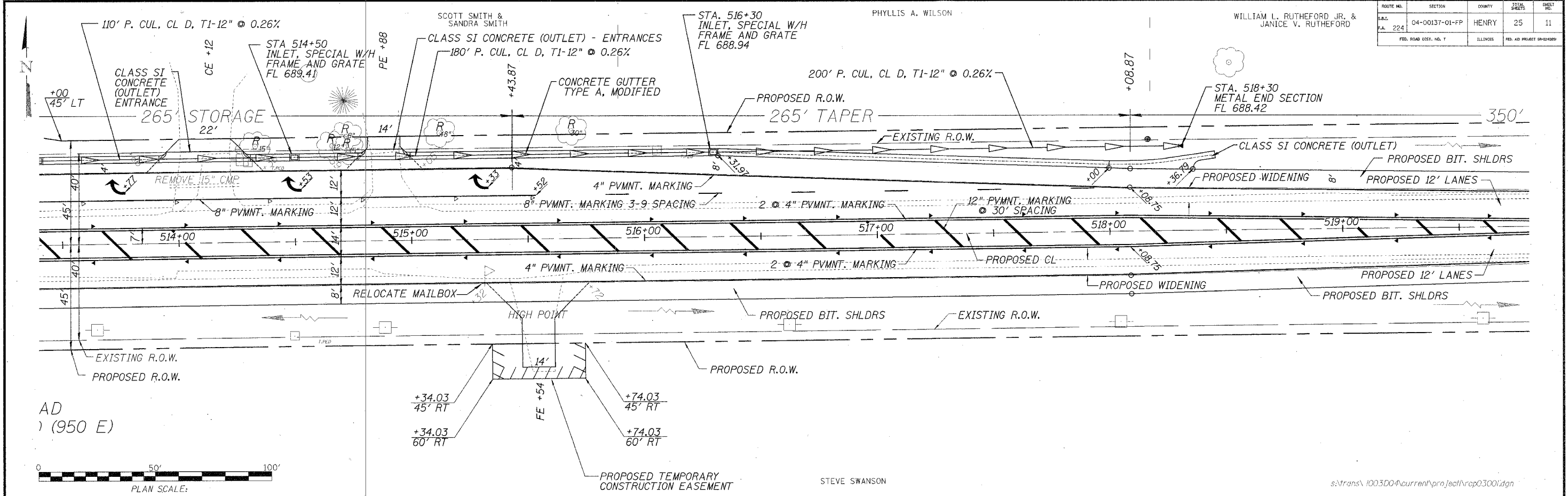
PROFILE SCALES

WHA #1003D04

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S&L 224	04-00137-01-PP	HENRY	25	10
FED. ROAD DIST. NO. 7		STATION	FED. AID PROJECT NO. 200204	

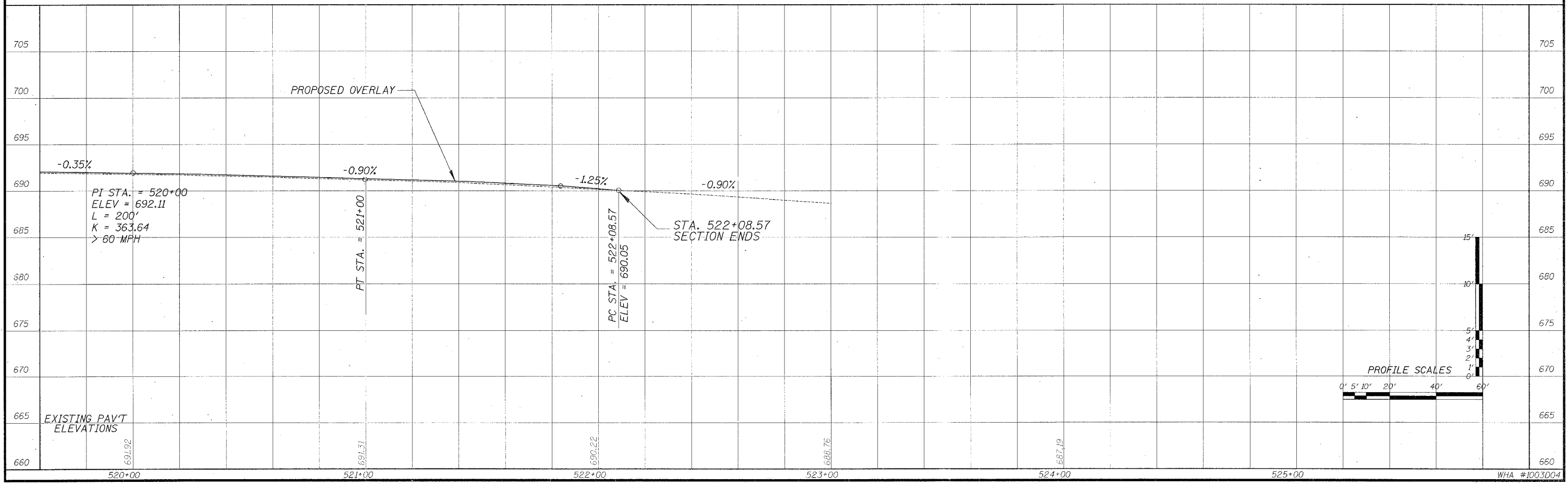
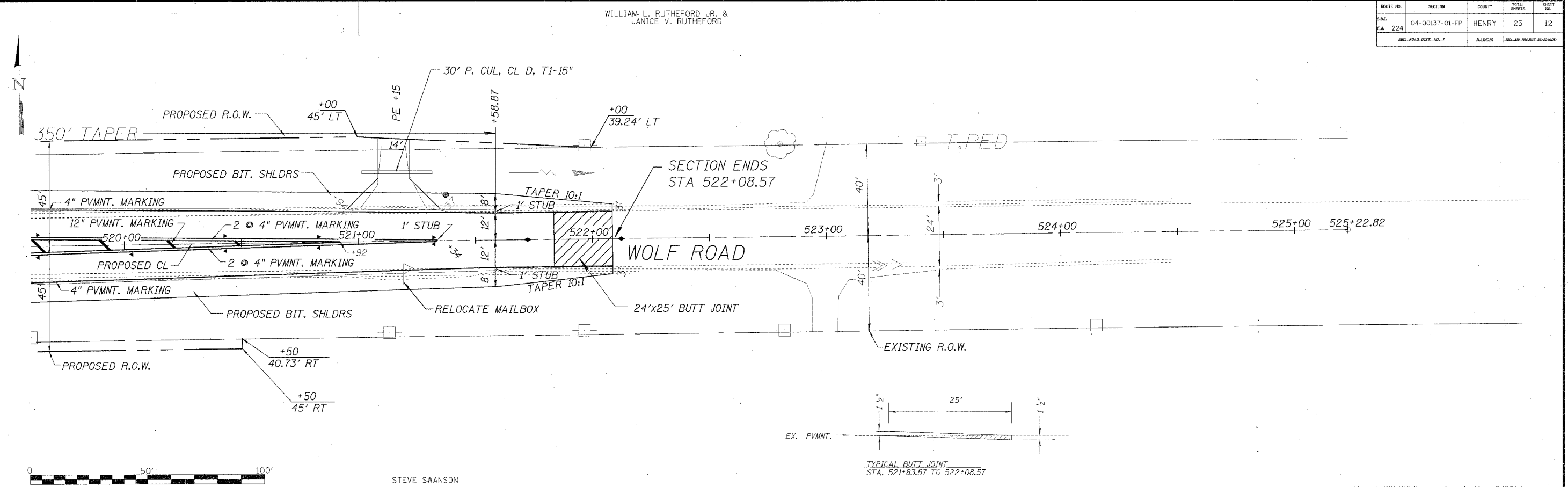


ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00137-01-FP		HENRY	25	11
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT SP-00000

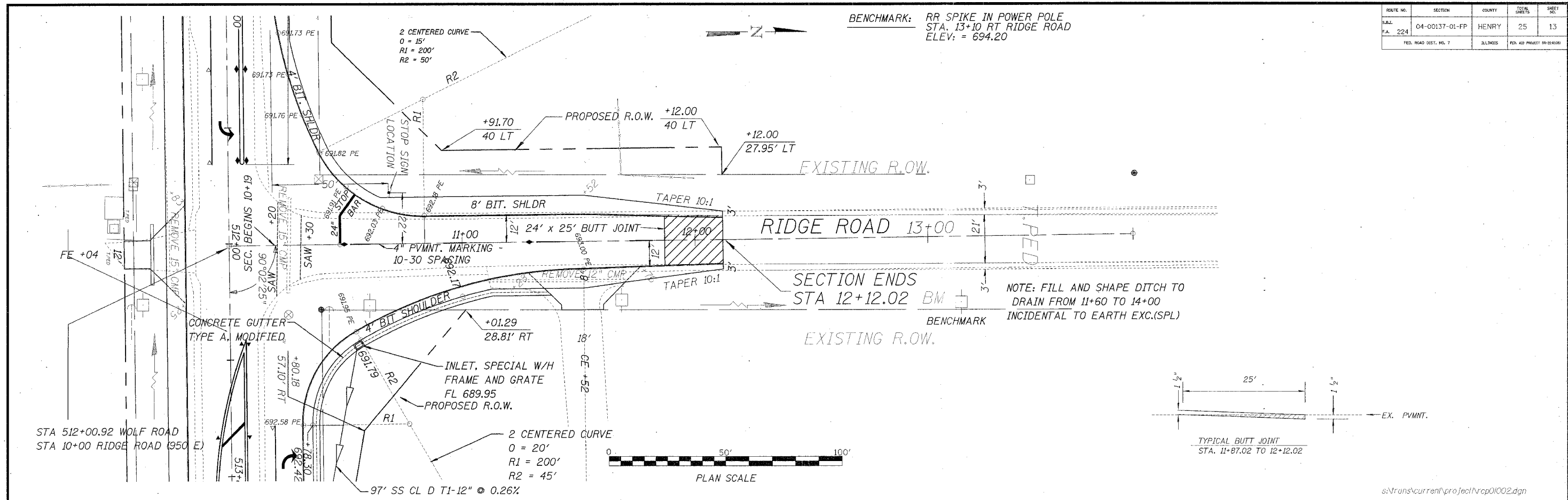


WILLIAM L. RUTHEFORD JR. &  
JANICE V. RUTHEFORD

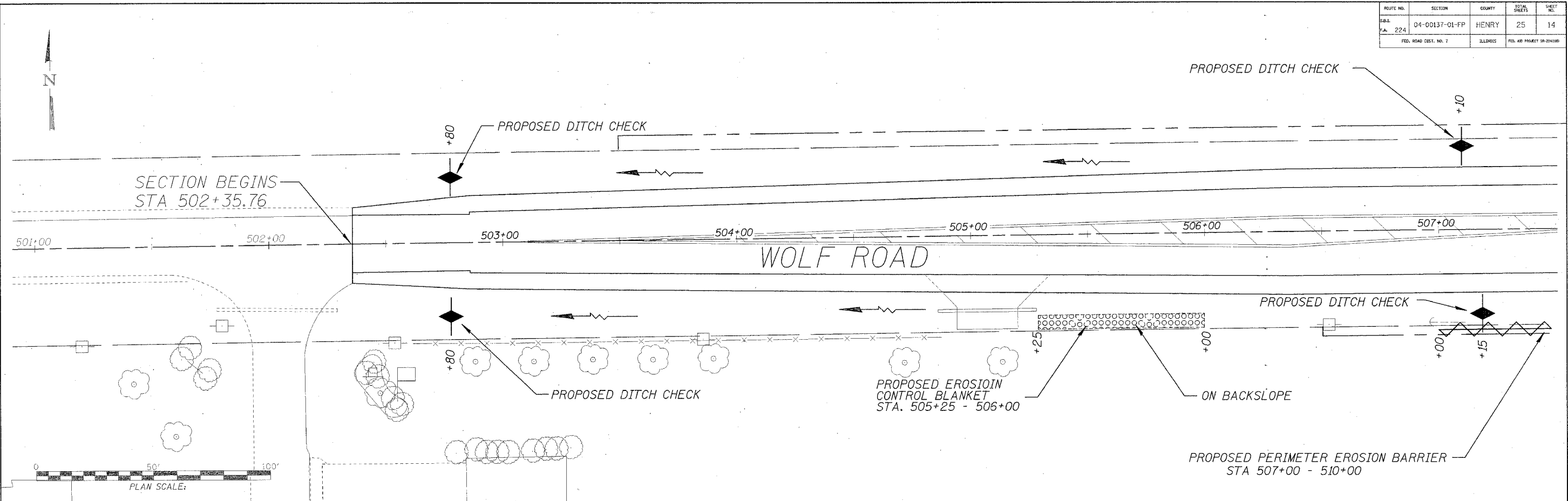
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A.L. CA 224	04-00137-01-FP	HENRY	25	12
FED. ROAD DIST. NO. 7	ALLOUIS	FED. AID PROJECT 44-2(605)		



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00137-01-FP		HENRY	25	13
P.A. 224		ILLINOIS	FED. AID PROJECT 99-24(00)	
FED. ROAD DIST. NO. 7				



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S&L F.A. 224	04-00137-01-FP	HENRY	25	14
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 98-214389	



**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 950 E. RIDGE 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, PAVING, GRADING, AND OTHER ACTIVITIES.

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

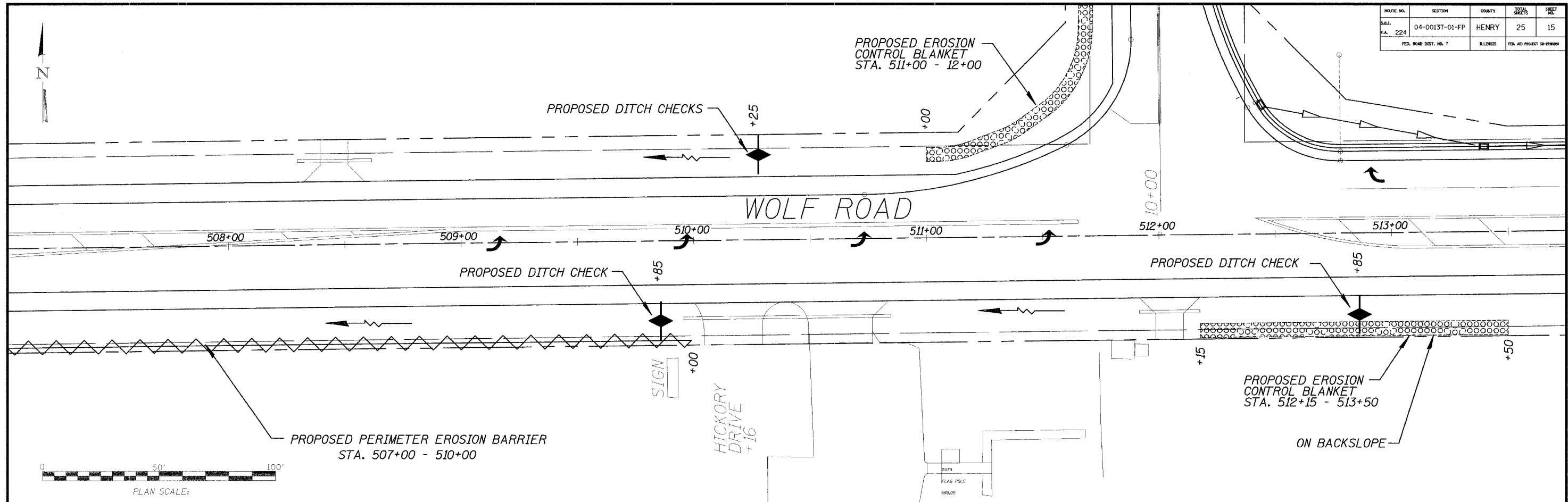
1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND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

**STORM WATER POLLUTION PREVENTION PLAN**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A.L. FA. 224	04-00137-01-FP	HENRY	25	15
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT OR NUMBER	



**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.
  - (a) 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.
  - (b) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
  - (c) 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.
  - (d) 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.
  - (f) 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.

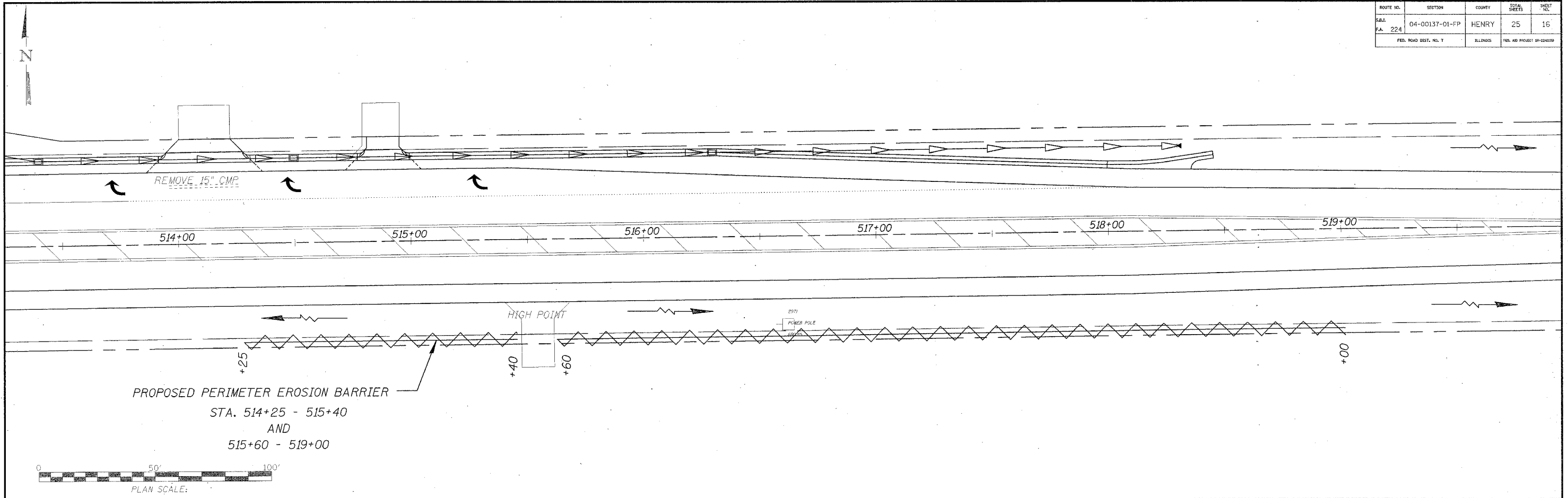
I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE 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.

*Henry S. Borden*  
HENRY COUNTY ENGINEER      Jan 6, 2006  
DATE

- 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.
SBL F.A. 224	04-00137-01-FP	HENRY	25	16
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT #1-249509	



PROPOSED PERIMETER EROSION BARRIER  
 STA. 514+25 - 515+40  
 AND  
 515+60 - 519+00

PLAN SCALE:  
 0 50' 100'

**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.
  - (a) 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.
  - (b) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.
  - (c) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
    1. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
    2. TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
    3. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

4. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
5. BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
6. 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.
  - (d) 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.
  - (e) 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.
  - (f) 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.

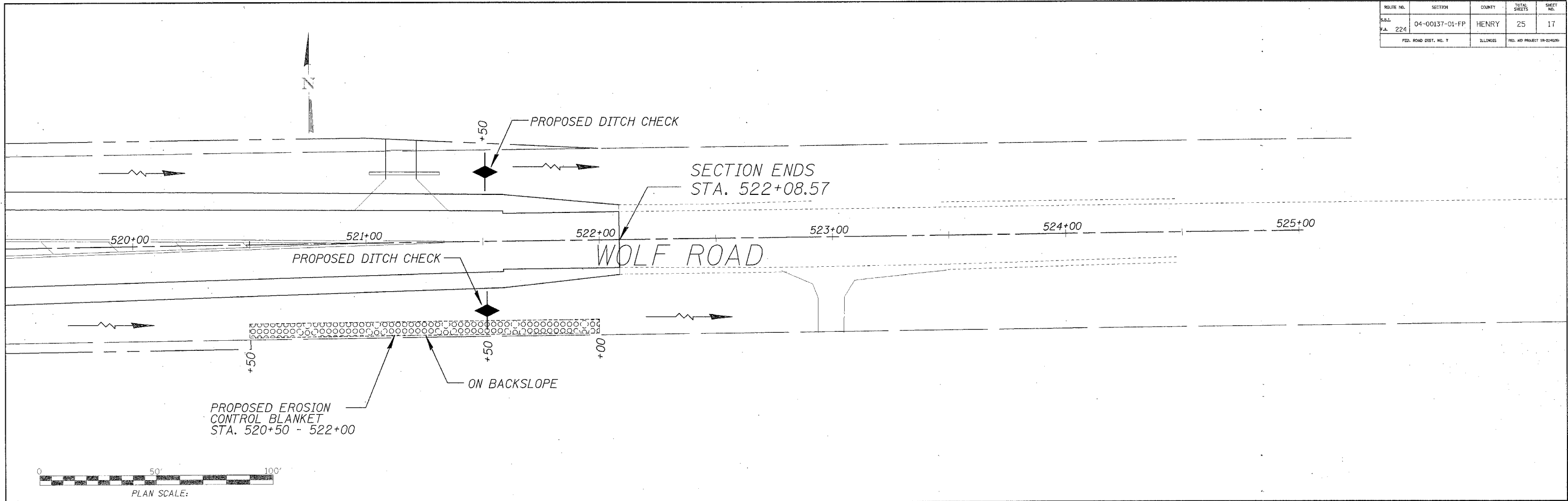
**LEGEND**

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

**STORM WATER POLLUTION PREVENTION PLAN**



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A. 224	04-00137-01-FP	HENRY	25	17
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT #A-204001	



- (g) 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.
- (h) 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.


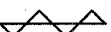

**MAINTENANCE AFTER CONSTRUCTION :**

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

**MISCELLANEOUS:**

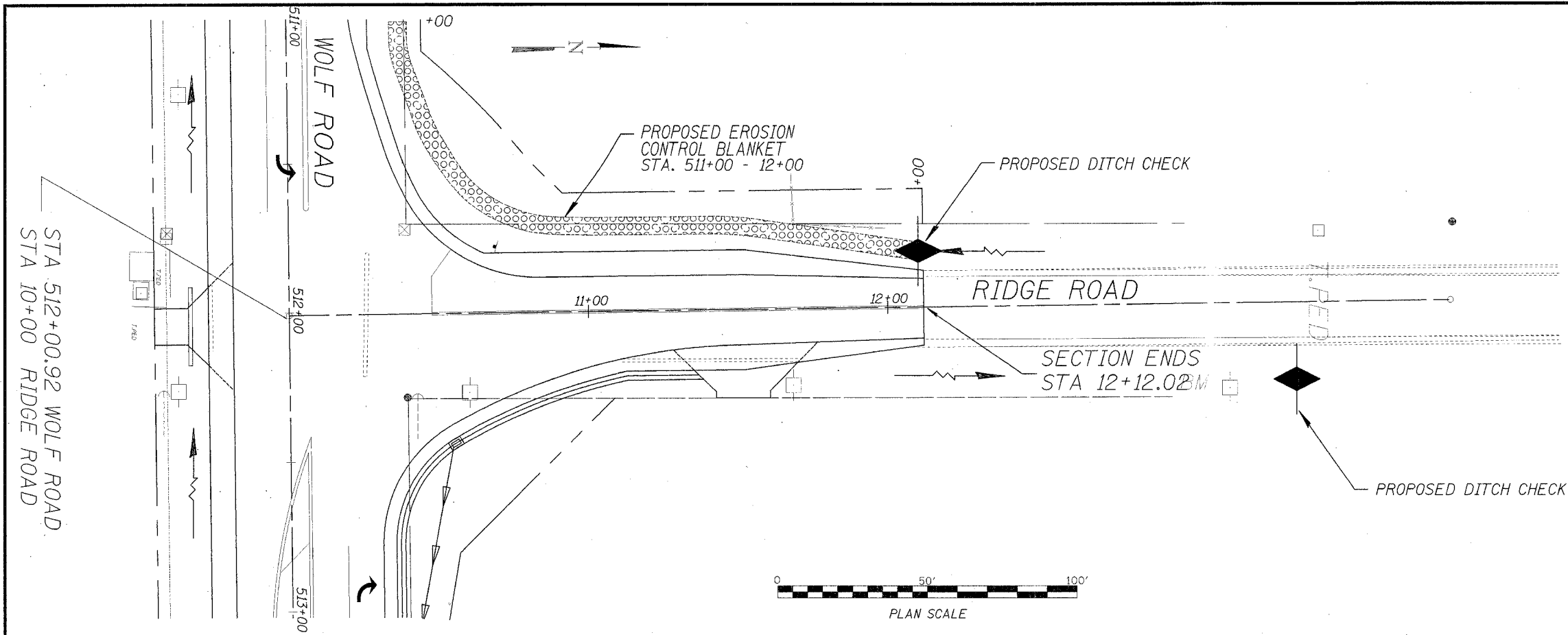
1. TEMPORARY DITCH CHECKS SHALL BE INSTALLED AT THE DIRECTION OF THE ENGINEER.
2. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRES.
3. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS 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.
224	04-00137-01-FP	HENRY	25	18
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. 244229	

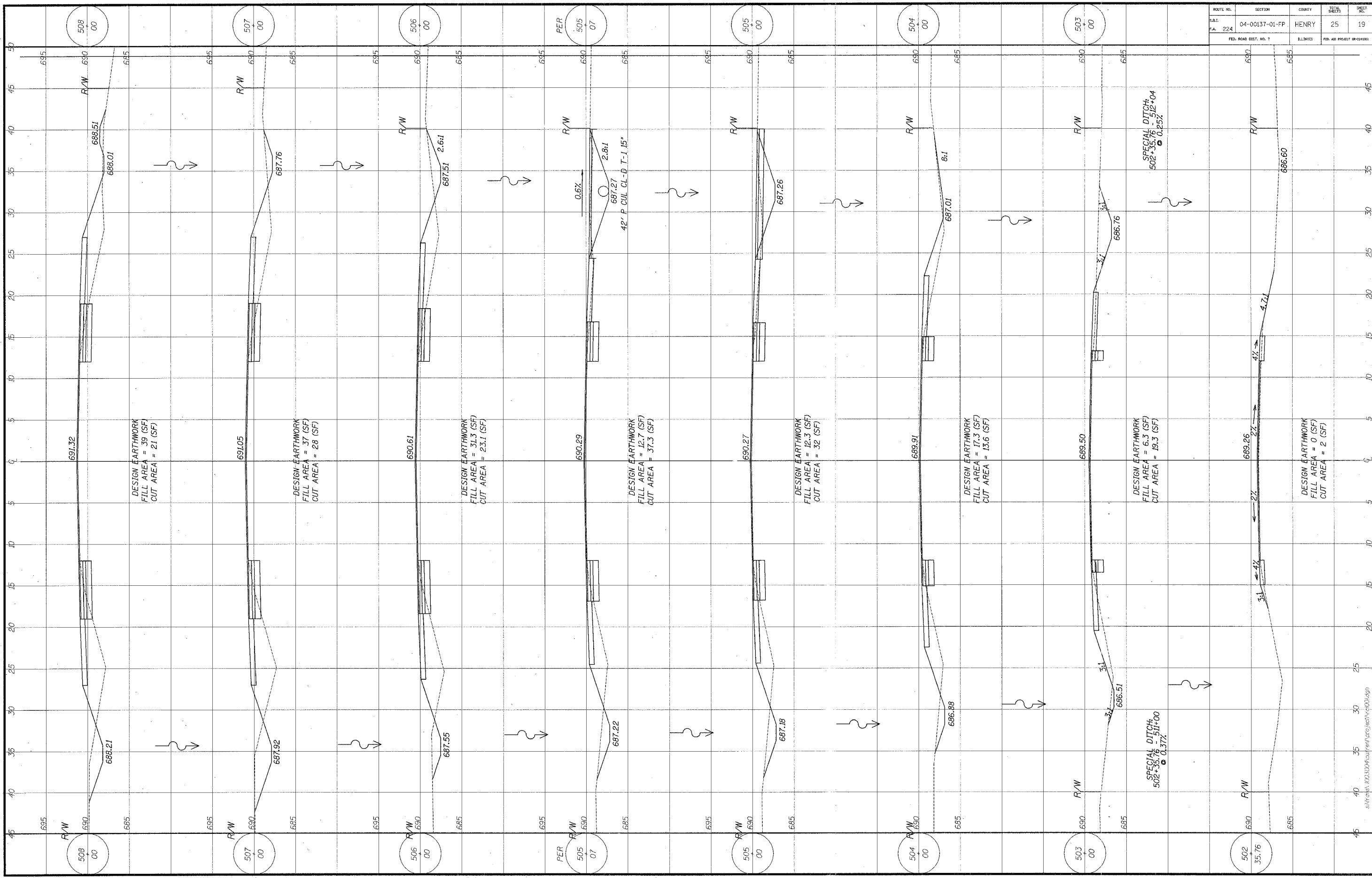


- LEGEND
-  TEMPORARY DITCH CHECK
  -  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
  -  EROSION CONTROL BLANKET

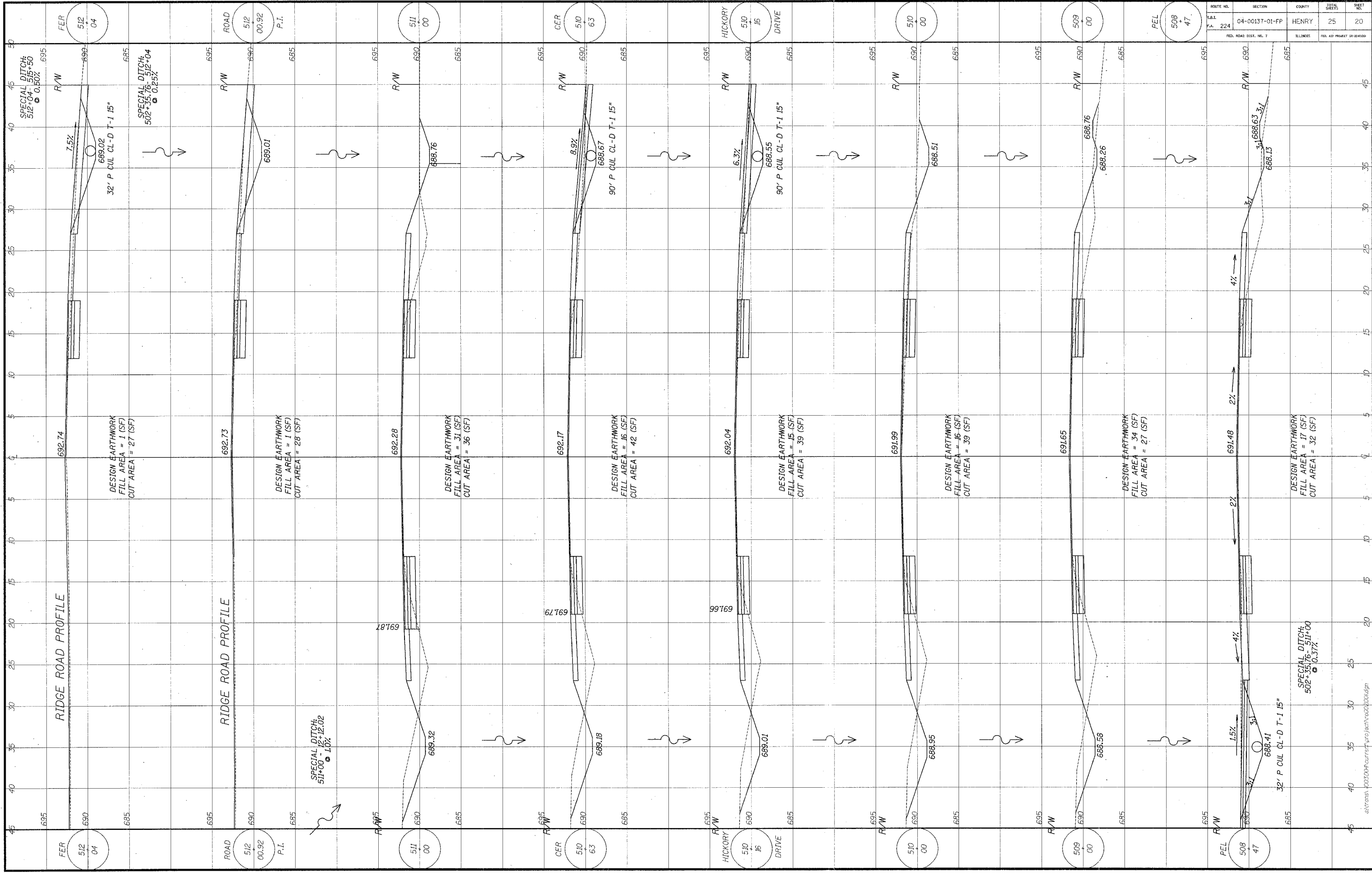
NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.

STORM WATER  
POLLUTION  
PREVENTION PLAN

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A.L. P.A. 224	04-00137-01-FP	HENRY	25	19
FED. ROAD DIST. NO. 7		ILLINOIS	FIN. AD. PROJECT #0-00000	

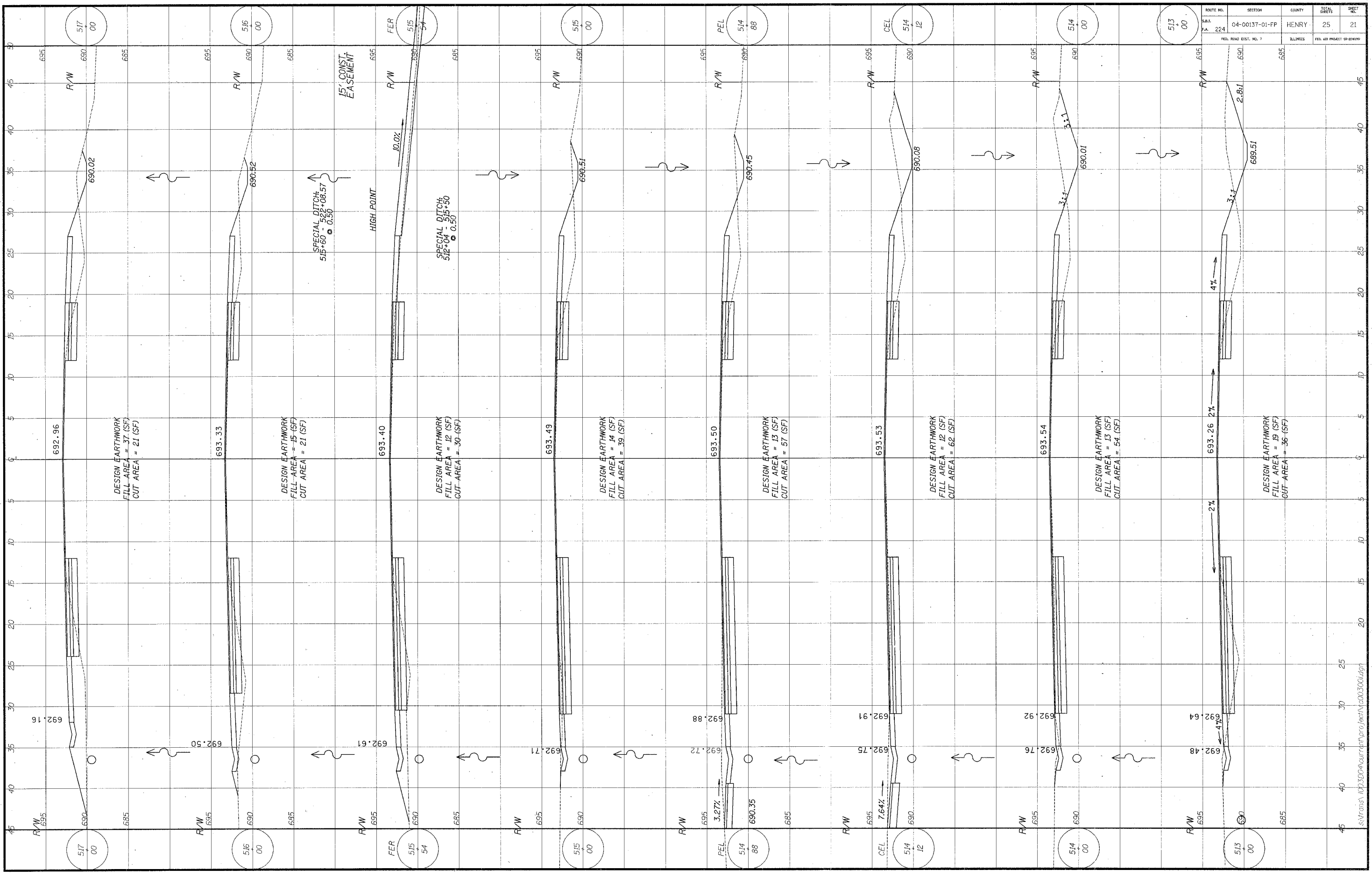


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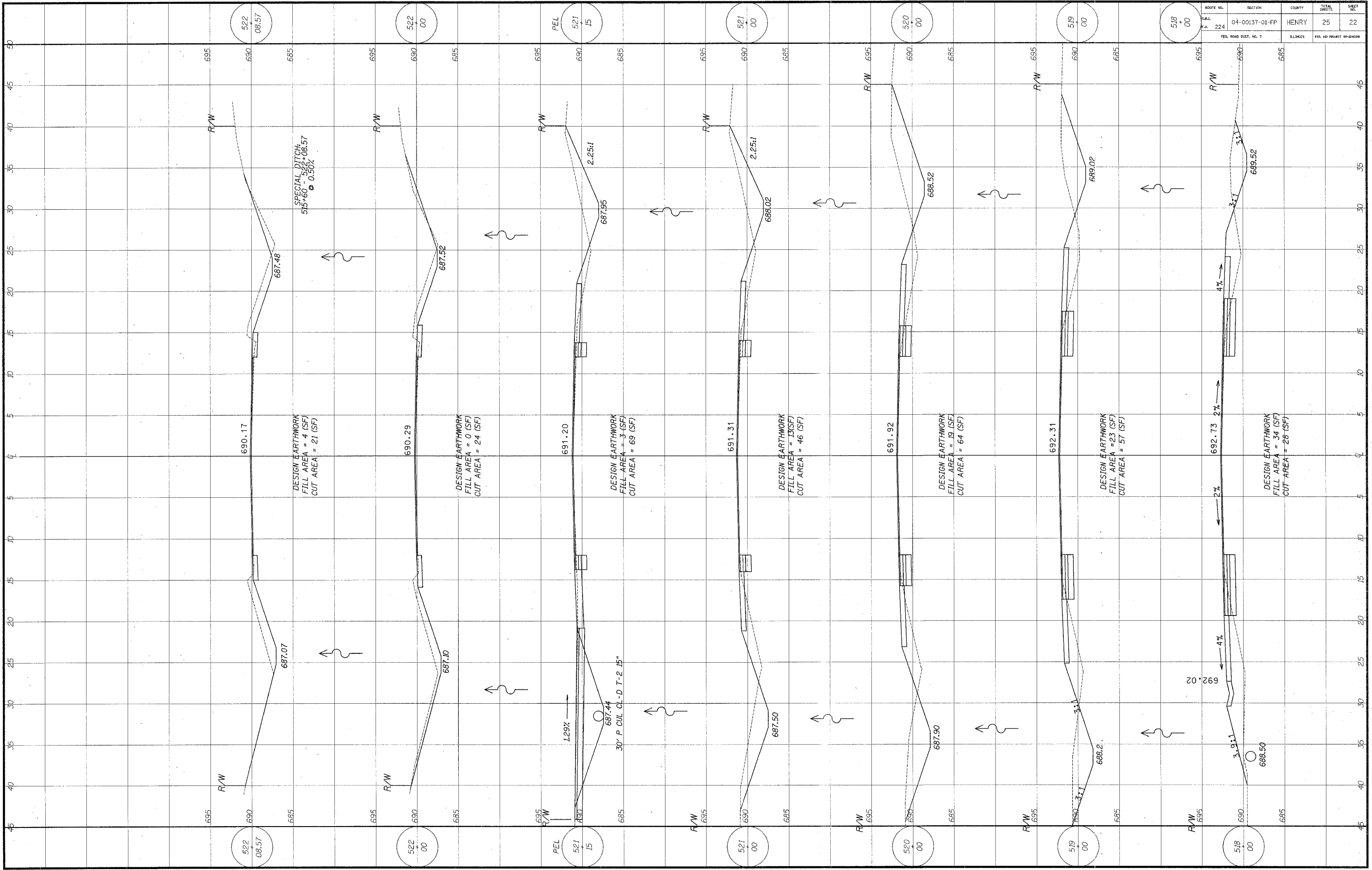
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A.L. P.A. 224	04-00137-01-FP	HENRY	25	20
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 20-24-000	

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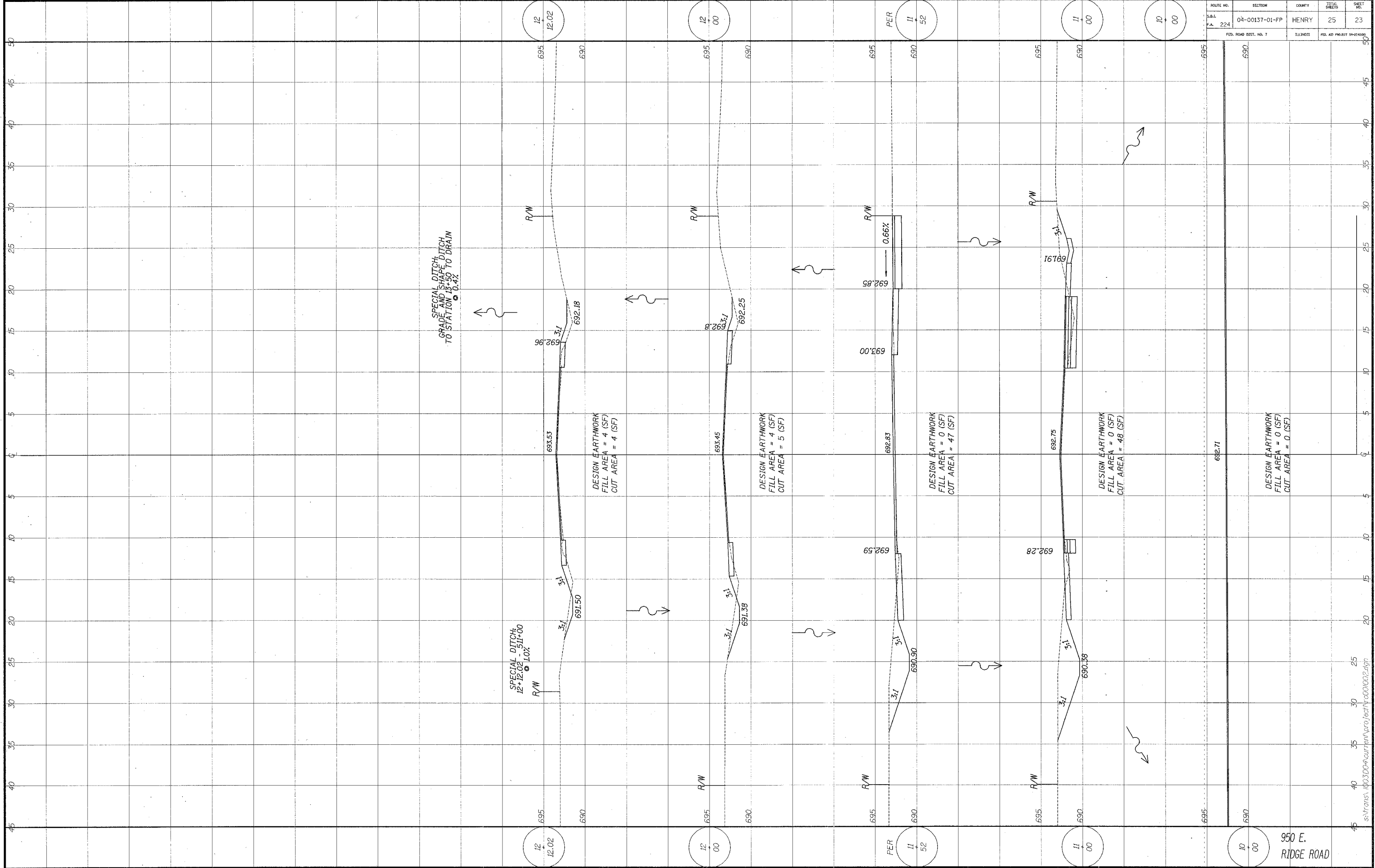
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
224	04-00137-01-FP	HENRY	25	21
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT 99-242009	

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
224	04-00137-01-FP	HENRY	25	22
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT NO. 24-20-009	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.L. 224	04-00137-01-FP	HENRY	25	23
F.A.				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT SPONSOR	

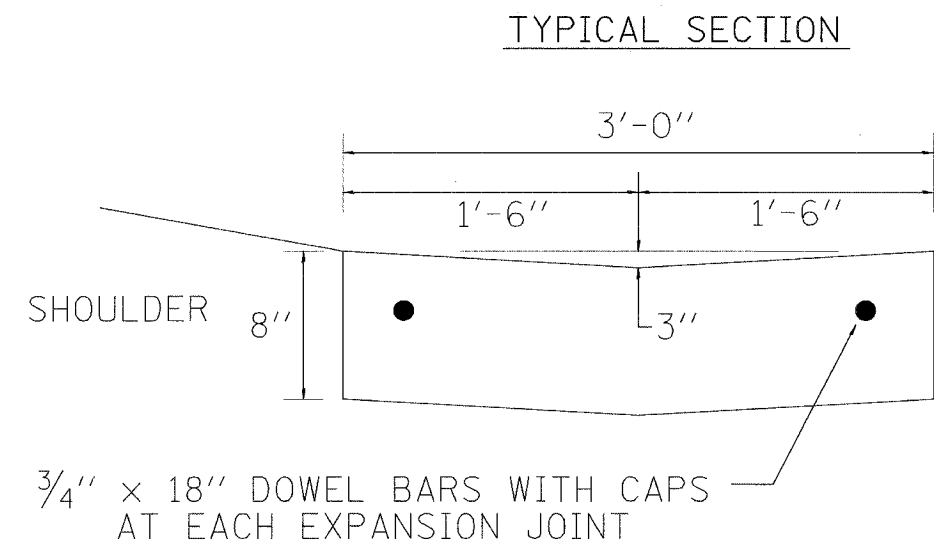


950 E. RIDGE ROAD

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.R. 1.	04-00137-01-FP	HENRY	25	24
P.A. 224				
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT #H-084109

## 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:

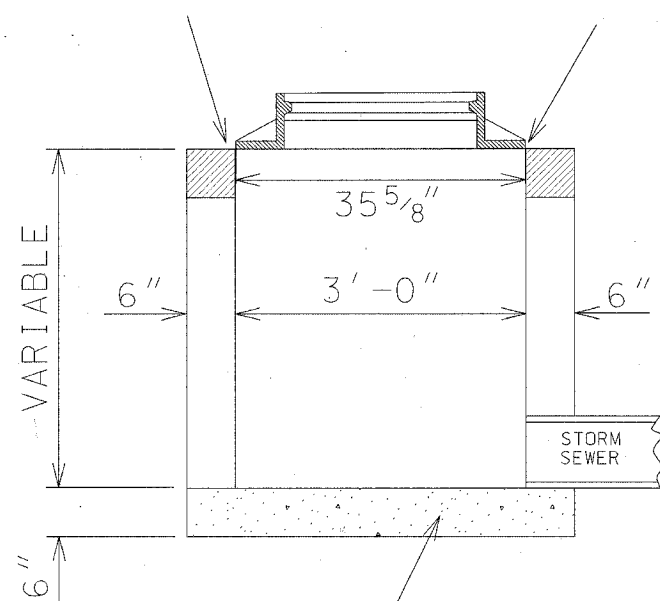
CLASS SI CONCRETE SHALL BE USED THROUGHOUT.  
CONCRETE GUTTER TYPE A, (MODIFIED) SHALL BE CONSTRUCTED  
IN 100' SECTIONS WITH 3/4" PREMOLDED EXPANSION JOINTS,  
AND 12' CONSTRUCTION JOINTS. THE DOWEL BARS SHALL BE  
GREASED ON THE END ON WHICH THE CAP IS PLACED. THE  
COST OF FURNISHING AND INSTALLING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



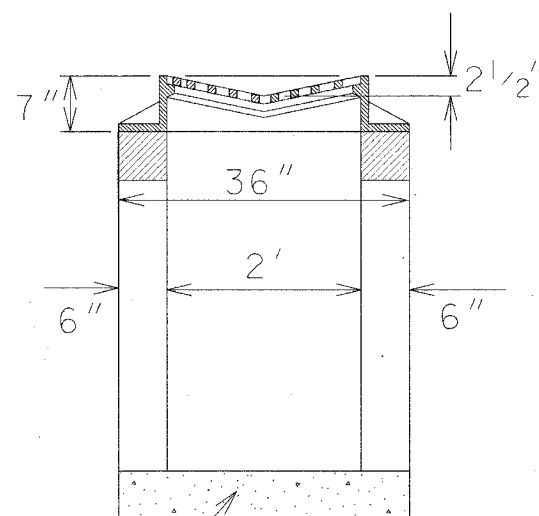
ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
224	04-00137-01-FP	HENRY	25	25
FED. ROAD DIST. NO. 7		ILLINOIS		FED. AID PROJECT 89-224(1)(2)

# INLET SPECIAL WITH FRAME AND GRATE

FILL VOIDS WITH PAVING BRICK  
PRIOR TO CONSTRUCTING GUTTER

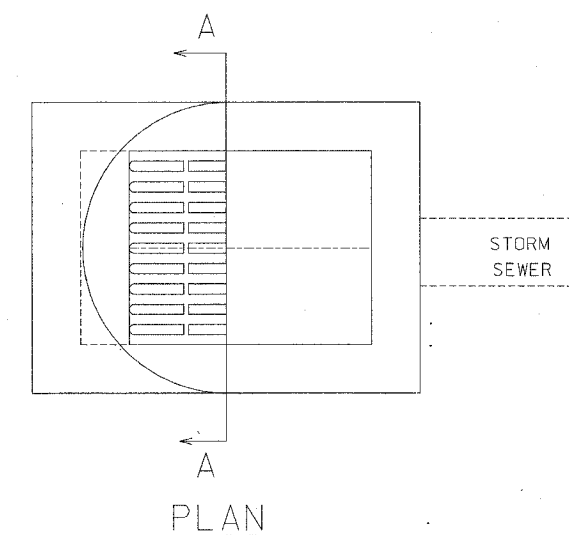


LONGITUDINAL SECTION



SECTION A-A

6" CLASS SI CONCRETE OR  
4" PRECAST REINF. CONC.  
SLAB ON 3" SAND CUSHION



PLAN

## NOTES:

INLET SPECIAL WITH FRAME AND GRATE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS.  
THE CONTRACT UNIT PRICE EACH FOR INLET SPECIAL WITH FRAME AND GRATE SHALL INCLUDE THE COST OF FURNISHING AND INSTALLING THE INLET WITH SAND CUSHION IF REQUIRED.  
CLASS SI CONCRETE OR PRECAST CONCRETE SHALL BE USED THROUGHOUT. THE SIDEWALLS MAY BE BUILT AS PRECAST SEGMENTAL SECTIONS.  
THE HEIGHT OF THE BOX MAY BE CONSTRUCTED 6" SHORT TO ALLOW FOR FIELD ADJUSTMENTS.  
THE WALL ADJUSTMENTS SHALL BE MADE WITH CONCRETE BUILDING BRICK OR CLASS SI CONCRETE.  
FRAME AND GRATE TO BE HEAVY DUTY  
(NEENAH R-3513 W/TYPE C GRATE OR APPROVED EQUAL)

WHA 2