

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	1
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(102)			
CONTRACT NO. 95416			

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES, AND DETAILS
3	SCHEDULES
4-6	PLAN SHEETS
7-19	CROSS SECTIONS
20-21	STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 21.

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
666001	RIGHT OF WAY MARKERS
701006-02	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
701201-02	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
701301-02	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
701901	TRAFFIC CONTROL DEVICES
BLR 21-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES
BLR 22-5	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES

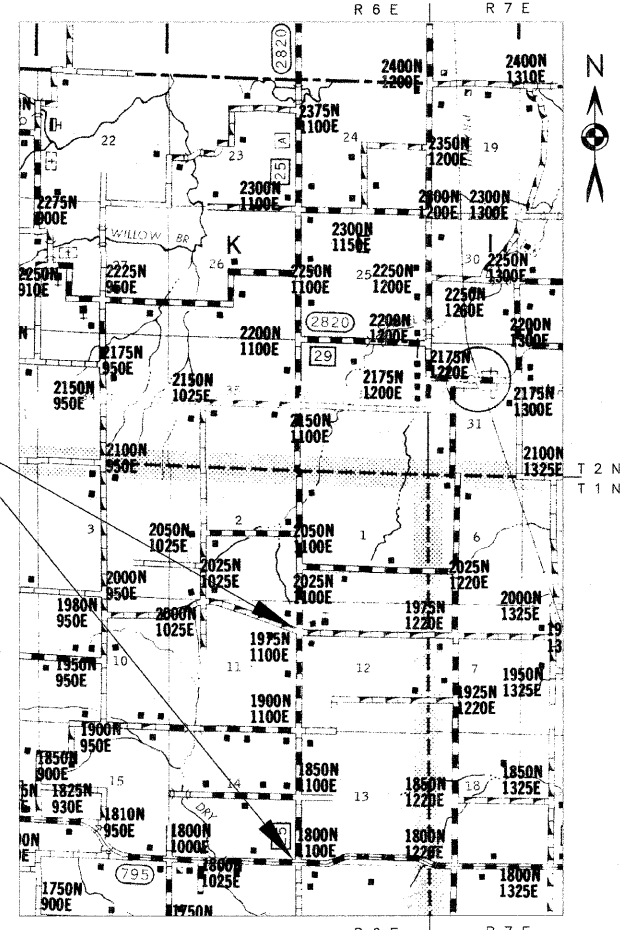
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR
PROPOSED LOCAL AGENCY IMPROVEMENT
FEDERAL-AID SECONDARY PROJECT

F. A. S. ROUTE 2817
SECTION 04-00111-01-FP
WAYNE COUNTY PROJECT SR-2817(102)
C-97-059-04

SUMMARY OF QUANTITIES

QUANTITY	UNIT	ITEM	CODE NO.
132.00	CU YD	CONTROLLED LOW-STRENGTH MATERIAL	59300100
292.00	UNIT	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	20100110
408.00	UNIT	TREE REMOVAL (OVER 15 UNITS DIAMETER)	20100210
1.73	ACRE	TREE REMOVAL, ACRES	20100500
20869.00	CU YD	EARTH EXCAVATION	20200100
12.68	ACRE	SEEDING, CLASS 2 (SPECIAL)	25001000
54.00	EACH	TEMPORARY DITCH CHECKS	28000300
17.00	EACH	INLET AND PIPE PROTECTION	28000500
113.00	TON	STONE DUMPED RIPRAP, CLASS A4	28100807
150.00	SQ YD	FILTER FABRIC	28200200
25,610.00	SQ YD	PROCESSING SOIL-CEMENT BASE COURSE 8"	35200300
14,342.00	100 WT	CEMENT	35200500
5185.00	TON	AGGREGATE SURFACE COURSE, TYPE B	40200800
200.00	GALLON	BITUMINOUS MATERIALS (PRIME COAT)	40300100
11,525.00	GALLON	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	40300300
321.00	TON	COVER COAT AGGREGATE	40300500
321.00	TON	SEAL COAT AGGREGATE	40300600
108.00	FOOT	PIPE CULVERTS, TYPE 1 RCCP 18"	54200433
338.00	FOOT	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 15"	54200640
324.00	FOOT	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	54200643
280.00	FOOT	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE-ELLIPTICAL, EQUIVALENT ROUND-SIZE 30"	54207165
56.00	FOOT	PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE-ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	54207171
48.00	FOOT	PIPE CULVERTS, TYPE 2, REINFORCED CONCRETE-ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	54209901
12.00	EACH	PRECAST REINFORCED CONCRETE END SECTIONS, EQUIVALENT ROUND-SIZE 30"	54214515
2.00	EACH	PRECAST REINFORCED CONCRETE END SECTIONS, EQUIVALENT ROUND-SIZE 36"	54214521
45.00	EACH	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	66600105
4.00	CAL MO	ENGINEER'S FIELD LABORATORY	67000600
1.00	L SUM	MOBILIZATION	67100100
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	70100450
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	70101830*
1.00	L SUM	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	70101835*

SECTION 04-00111-01-FP
ENDS STA. 94+50
BEGINS STA. 0+11



BEFORE DIGGING IN ILLINOIS
...CALL JULIE FIRST AT 1-800-892-0123

WESTERN WAYNE WATER DISTRICT
CONTACT: ROGER JOHNSON
1-618-895-2813 (OFFICE)
838-3655 (CELL)
838-9511 (PAGER)

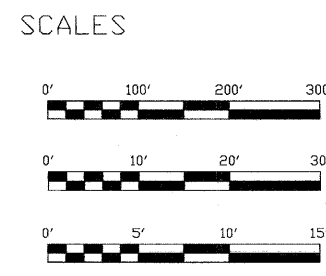
WABASH TELEPHONE COOP., INC.
CONTACT: JEFF WILLIAMS
1-618-665-3311 (OFFICE)
1-618-665-4188 (FAX)

WAYNE / WHITE ELECTRIC
CONTACT: AARON HAWLEY
1-618-842-2196

PLAN & PROFILE
HORIZONTAL

PROFILE
VERTICAL

CROSS
SECTION



GROSS LENGTH	9,439 FEET	1.79 MILES
OMISSIONS	0 FEET	0.00 MILES
NET LENGTH	9,439 FEET	1.79 MILES

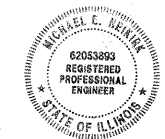
FUNCTIONAL CLASS:

MAJOR COLLECTOR - RURAL
ADT = 1000
DESIGN SPEED = 50 MPH

CONTRACT NO. 95416

PLANS PREPARED BY:
NEIKIRK
Engineering, LLC
306 NORTH MARKET STREET
MT. CARMEL, ILLINOIS

Michael E. Leinik
ILL. REG. PROF. ENGINEER



062-053893
REG. NO. DATE
2/18/08
EXPIRES: 11-30-2009

APPROVED 2-20 20 08
Arthur J. Puchak
COUNTY ENGINEER

PASSED 2-21 20 08
Manuel E. Kavel
DISTRICT SEVEN ENGINEER OF
LOCAL ROADS & STREETS

Releasing For
Bid Based on
Limited Review 2-21 20 08
Christina M. Reed
DEPUTY DIRECTOR OF HIGHWAYS,
REGION FOUR ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

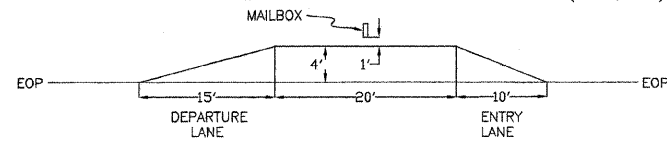
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
02-00111-00-FP	WAYNE	21	2
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			

GENERAL NOTES

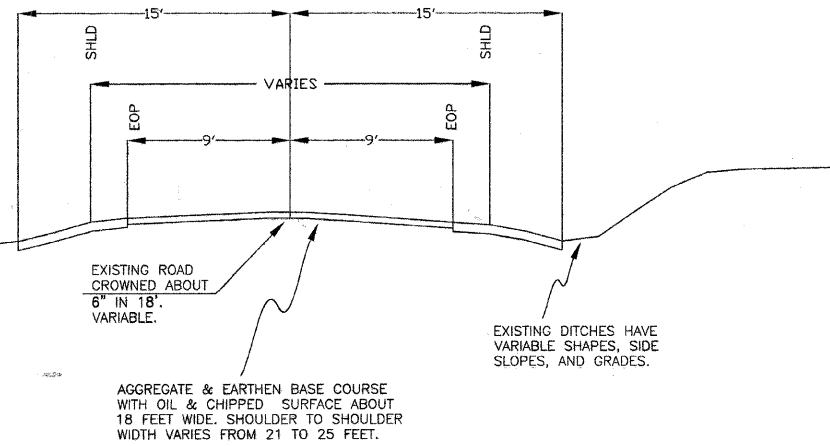
THIS SECTION CONSISTS OF THE CONSTRUCTION OF AN IMPROVED ROADBED 32 FEET SHOULDER TO SHOULDER IN WIDTH, ALONG WITH THE NECESSARY DRAINAGE STRUCTURES, ALSO CONSTRUCTING A 24 FOOT WIDE 8 INCH THICK SOIL-CEMENT BASE COURSE, AND A 24 FOOT WIDE CLASS A-2 BITUMINOUS SURFACE TREATMENT ALONG THE ENTIRE LENGTH OF THE PROJECT. ALL OF THE WORK REQUIRED BY THIS PROJECT SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007.

MAILBOX TURNOUT DETAIL

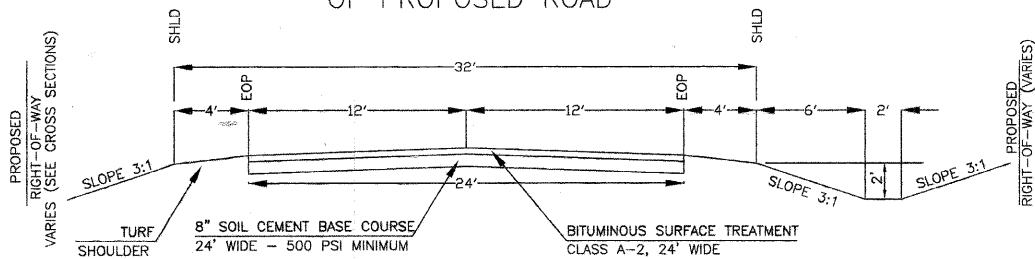
3 TONS AGGREGATE SURFACE COURSE, TYPE B REQUIRED FOR EACH LOCATION OF MAILBOX TURNOUTS TO BE STAKED BY ENGINEER (3 REQUIRED)



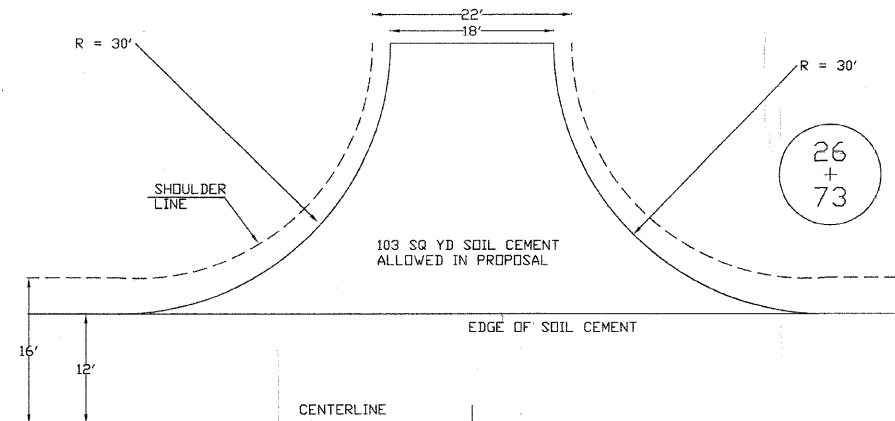
STA. 0+11 TO STA. 94+50 TYPICAL CROSS SECTION OF EXISTING ROAD



STA. 0+11 TO STA. 94+50 TYPICAL CROSS SECTION OF PROPOSED ROAD

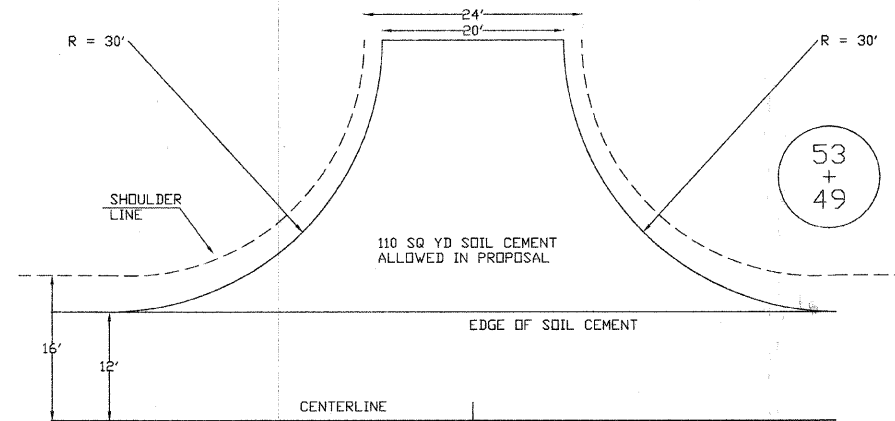


ROAD INTERSECTION 1850N



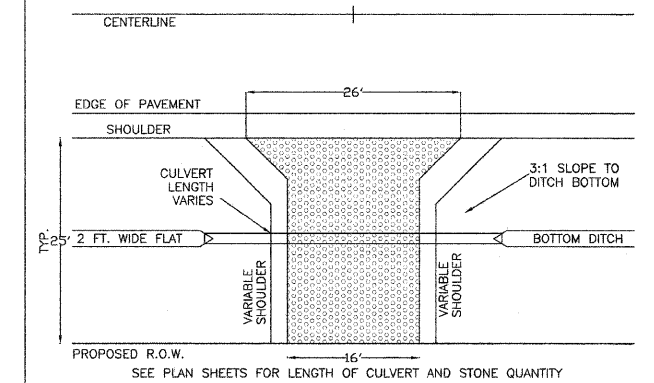
26
+
73

ROAD INTERSECTION 1900N

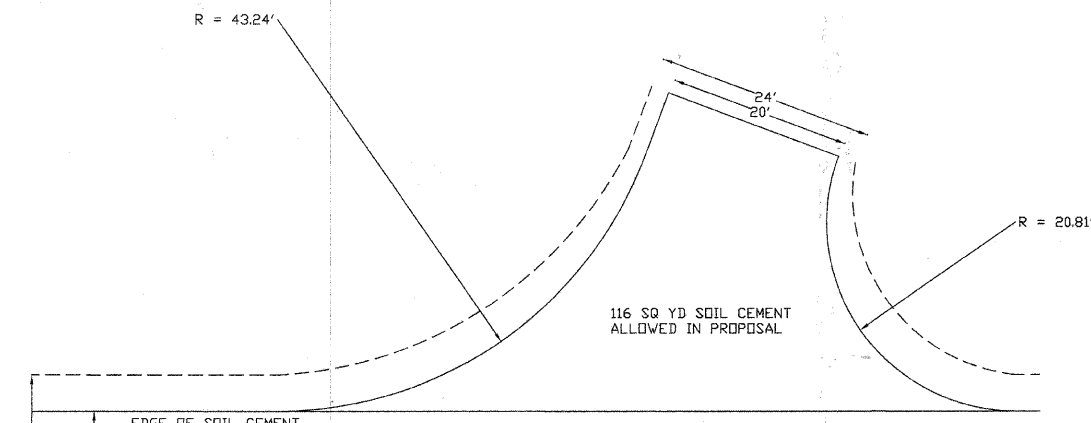


53
+
49

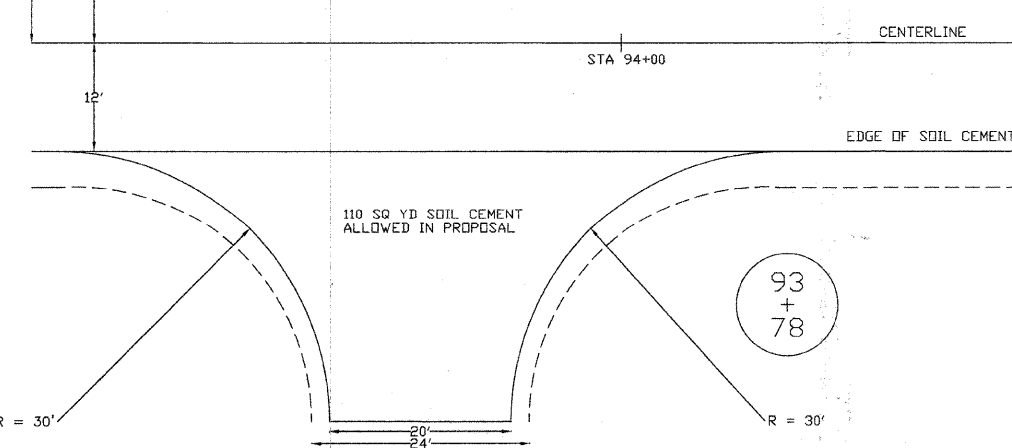
TYPICAL FIELD ENTRANCE



R = 43.24'



ROAD INTERSECTION 1975N



93
+
78

TREE REMOVAL SCHEDULE

LOCATION BY STATION OR FROM STATION	TO STATION LOCATION	LOCATION LT OR RT	SIZE OF TREE		ACRES OF TREES	COMMENTS
			6" TO 15"	OVER 15"		
0+60	9+71	40' LT			0.25	
13+35		23' LT	10"			
28+97		22' LT	12"			
30+43		35' LT		30"		
31+56		25' LT		18"		
33+48		24' LT	12"			
35+44		26' LT	12"			
36+74		24' LT	12"			
39+43		23' LT	12"			
41+24		22' LT	8"			
42+88		23' LT		20"		
43+46		24' LT		30"		
44+54		23' RT		36"		
45+85		23' LT	10"			
47+36		24' LT		22"		
50+64		23' LT	6"			
51+54		25' LT	8"			
51+95		22' LT		16"		
52+23		36' RT		20"		
52+82		23' LT	12"			
53+18		41' RT	6"			
53+27		43' LT	14"			
53+84		41' RT		30"		
58+60		20' LT		50"		
60+18		21' LT		26"		
61+26		23' LT	8"			
61+57		23' LT		24"		
61+67		22' LT	8"			
62+02		22' LT	8"			
62+07		23' LT	8"			
62+08		17' LT	6"			
62+22		22' LT	8"			
62+32		22' LT	8"			
62+48		23' LT	10"			
62+50		19' LT	8"			
62+68		23' LT	6"			
62+74		18' LT	6"			
62+96		23' LT		16"		
63+25		23' LT		18"		
63+44		23' LT		16"		
63+59		23' LT		20"		
63+81		23' LT	6"			
64+74	68+00	40' RT			0.13	
64+88		24' LT	10"			
66+55		24' LT		16"		
66+60		24' LT	10"			
66+84	70+78	40' LT			0.14	
68+00	70+00	45' RT			0.11	
70+00	78+00	40' RT			0.36	
70+92	78+00	40' LT			0.25	
78+00	81+26	50' RT			0.19	40-50' VARIABLE WIDTH
78+00	84+26	50' LT			0.30	40-50' VARIABLE WIDTH
87+40		34' LT	14"			
87+42		36' LT	14"			
87+42		30' LT	10"			
87+43		27' LT	10"			
TOTALS			292"	408"	1.73 Ac.	

ROAD CULVERTS / CLSM

CENTER LOCATION BY STATION	TYPE A.R. or S.R.	COMMENTS	CULVERT REQUIRED (FT)				FLARED END SECTIONS REQUIRED			CLSM (CU. YD.)
			R.C.C.P. TYPE 1		R.C.C.P. TYPE 2		R.C.C.P. TYPE 1			
			18"	30" EQ	36" EQ	36" EQ	NONE	30" EQ	36" EQ	
6+40	A.R.			40					2	7
26+73 LT	S.R.		52				X			6
42+44	A.R.	TWIN CULVERTS		48				2		22
53+49 LT	S.R.				56		X			17
53+49 RT	S.R.		56				X			9
53+82	A.R.			48				2		7
69+06	A.R.	TWIN CULVERTS		48				2		27
80+80	A.R.				48				2	37
TOTALS			108	280	56	48		12	2	132

STONE DUMPED RIPRAP CLASS A4

LOCATION LT OR RT	CENTER LOCATION BY STATION	TONS
LT.	6+40	13
LT.	42+44	16
RT.	47+00	13
LT.	53+82	13
LT.	69+06	16
RT.	69+90	13
RT.	80+35	13
LT.	80+80	16
TOTAL		113

RIGHT-OF-WAY MARKERS

LOCATION LT OR RT	CENTER LOCATION BY STATION	OFFSET (FEET)	TOTAL
RT	0+38.4	65.0	1
LT	0+41.6	65.0	1
RT	0+64.0	40.0	1
LT	0+66.0	40.0	1
LT	13+34.5	40.0	1
RT (BURY)	13+34.5	40.0	1
LT	26+53.3	40.0	1
RT	26+73.3	40.0	1
LT	26+93.6	40.0	1
LT (BURY)	40+14.0	40.0	1
RT (BURY)	40+14.0	40.0	1
RT	46+77	40.0	1
RT	53+04.0	40.0	1
LT	53+04.0	40.0	1
RT	53+28.8	65.0	1
LT	53+29.1	65.0	1
LT	53+68.8	70.0	1
RT	53+69.1	75.0	1
LT	53+93.9	45.0	1
RT	53+94.0	50.0	1
LT	61+00.0	45.0	1
LT	61+00.0	40.0	1
RT	62+00.0	50.0	1
RT	62+00.0	40.0	1
LT	66+84.4	40.0	1
RT	66+84.4	40.0	1
RT	68+00.0	40.0	1
RT	68+00.0	45.0	1
RT	70+00.0	45.0	1
RT	70+00.0	40.0	1
LT	78+00.0	40.0	1
RT	78+00.0	40.0	1
LT	80+00.0	50.0	1
RT	80+75.0	50.0	1
RT	82+00.0	45.0	1
LT	83+00.0	40.0	1
LT	87+40	40.0	1
RT	91+00.0	45.0	1
RT	91+00.0	40.0	1
RT	93+33.0	40.0	1
RT	93+58.0	65.0	1
LT	93+66.7	40.0	1
RT	93+98.0	65.0	1
LT	94+00.3	63.5	1
RT	94+23.0	40.0	1
TOTAL			45

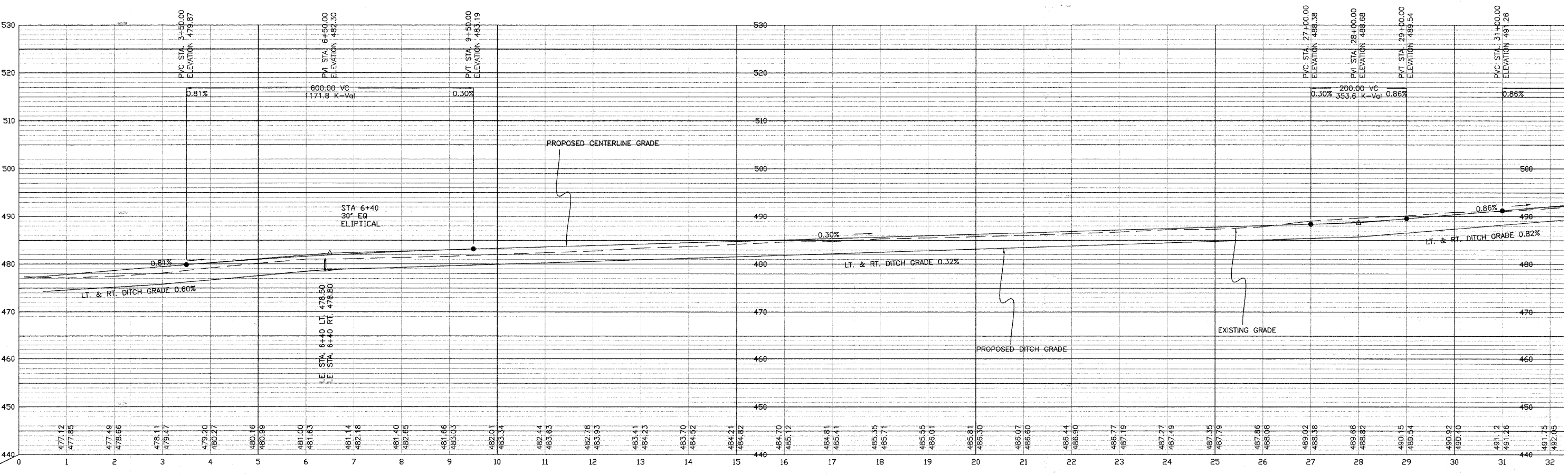
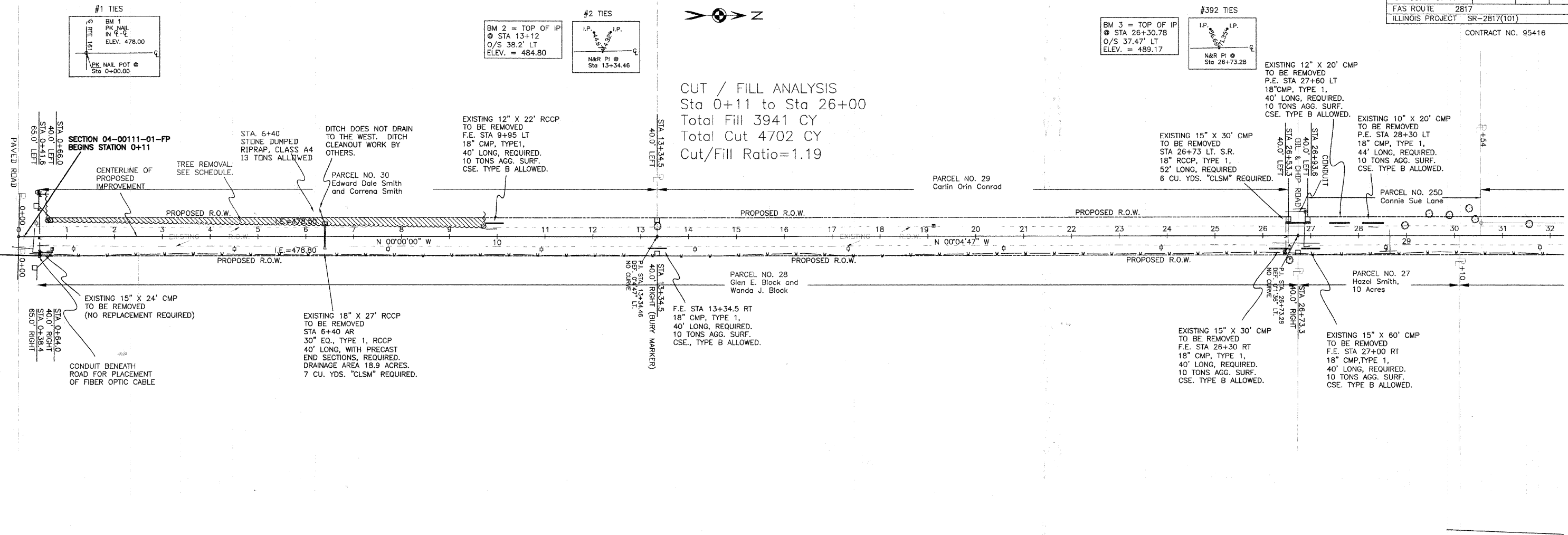
PRIVATE AND FIELD ENTRANCE CULVERTS

CENTER LOCATION BY STATION	LOCATION LT OR RT	PRIVATE (PE) OR FIELD (FE) ENTRANCE	EXISTING TO BE REMOVED	CMP CULVERT REQUIRED (FEET)		AGG. SURF. CSE. TYPE B TONS
				15"	18"	
0+60	RT	FE	15" X 24' CMP			
9+95	LT	FE	12" X 22' RCCP		40	10
13+34.5	RT	FE			40	10
26+30	RT	FE	15" X 30' CMP		40	10
27+00	RT	FE	15" X 60' CMP		40	10
27+60	LT	PE	12" X 20' CMP		40	10
28+30	LT	PE	10" X 20' CMP		44	10
34+20	RT	FE		46		10
40+15	LT	FE	10" X 20' CMP	60		20
40+15	RT	FE	12" X 24' CMP	60		20
53+02	RT	PE	18" X 20' CMP	MAKE	SUMMIT	10
59+70	LT	FE		40		10
65+10	LT	FE	10" X 20' CMP	48		10
70+84	LT	FE(WOODS)	12" X 18' CMP		40	10
79+25	LT	PE	12" X 24' CMP	44		10
81+70	RT	FE			40	10
87+05	LT	FE	12" X 20' CMP	40		10
TOTALS				338	324	180

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	3
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			

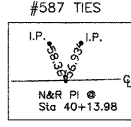
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	4
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			

CUT / FILL ANALYSIS
 Sta 0+11 to Sta 26+00
 Total Fill 3941 CY
 Total Cut 4702 CY
 Cut/Fill Ratio=1.19

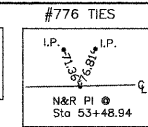


CUT / FILL ANALYSIS
 Sta 26+00 to Sta 52+00
 Total Fill 4114 CY
 Total Cut 4994 CY
 Cut/Fill Ratio=1.21

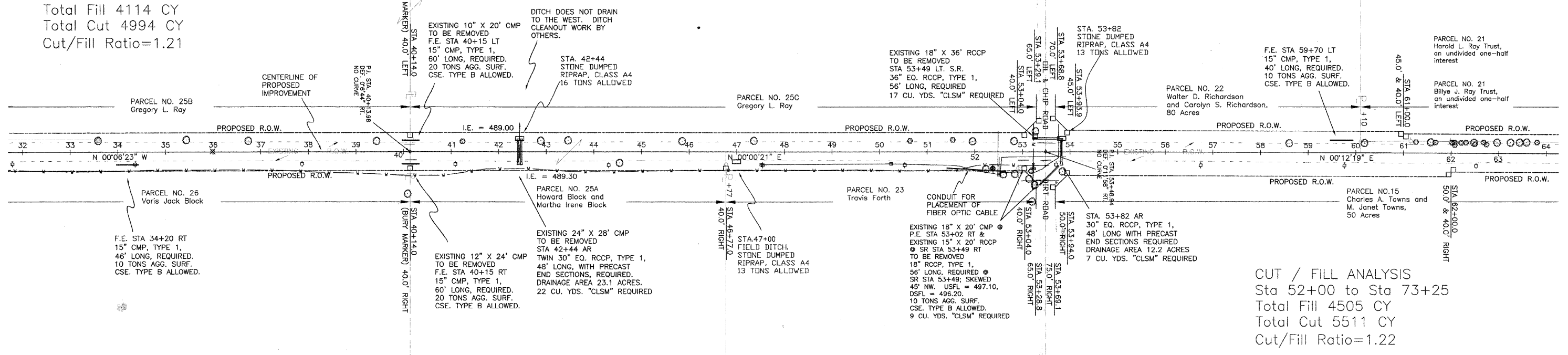
BM 4 = TOP OF IP
 @ STA 39+70.70
 O/S 39.18' LT
 ELEV. = 492.21



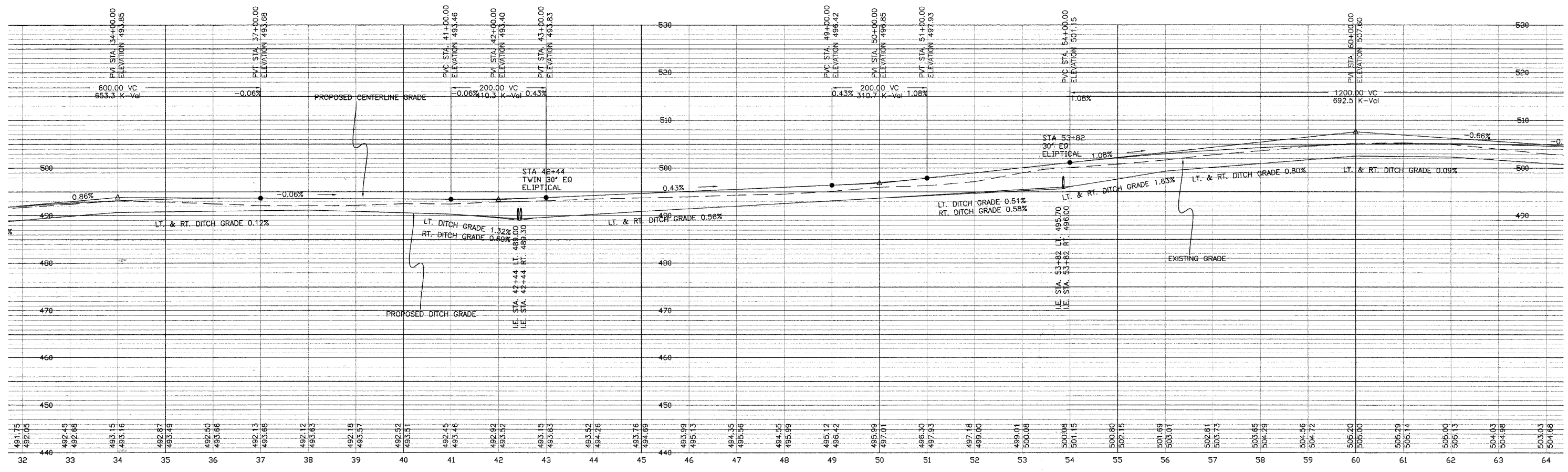
BM 5 = TOP OF IP
 @ STA 52+88.8
 O/S 38.35' LT
 ELEV. = 499.90



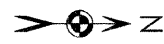
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	5
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



CUT / FILL ANALYSIS
 Sta 52+00 to Sta 73+25
 Total Fill 4505 CY
 Total Cut 5511 CY
 Cut/Fill Ratio=1.22

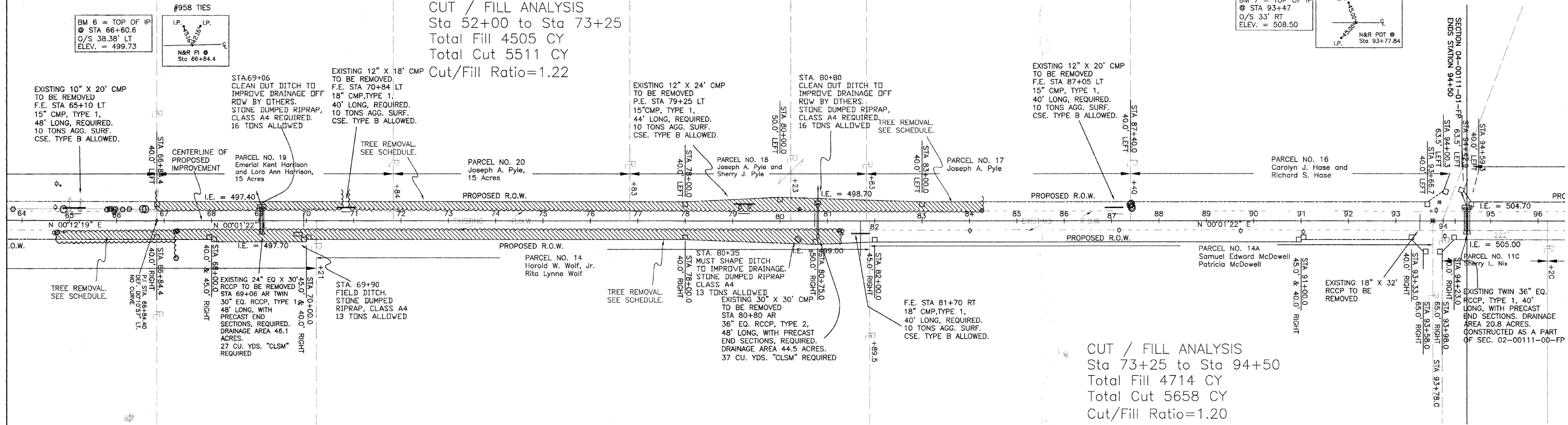
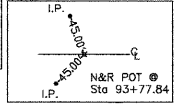


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	6
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			

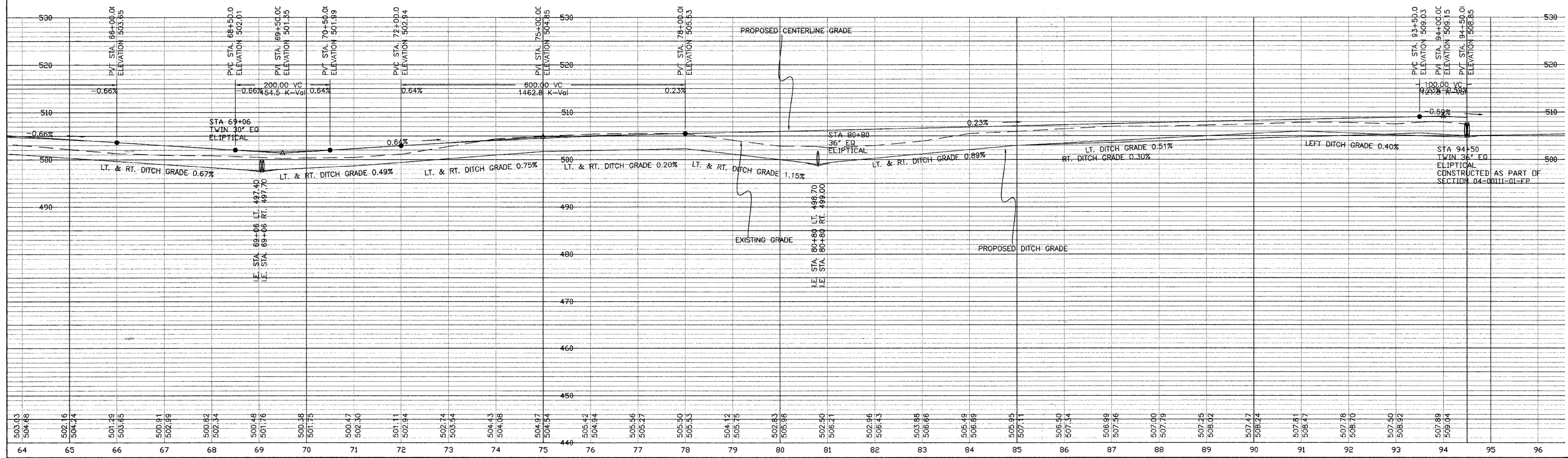


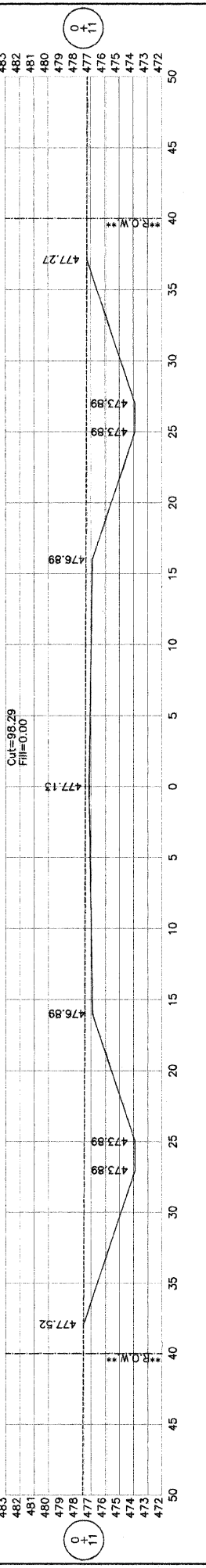
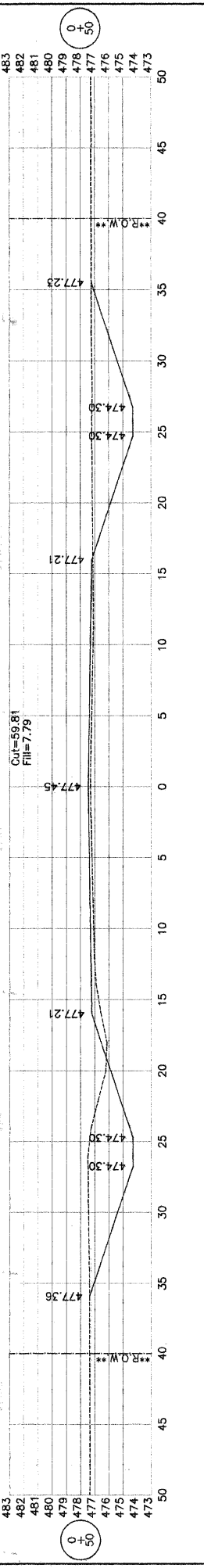
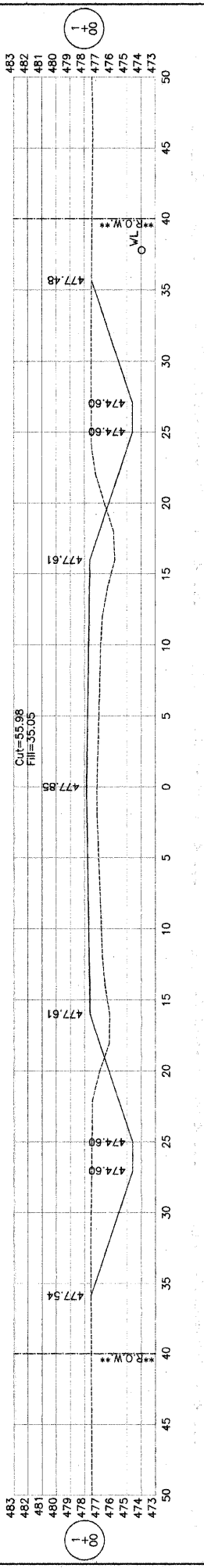
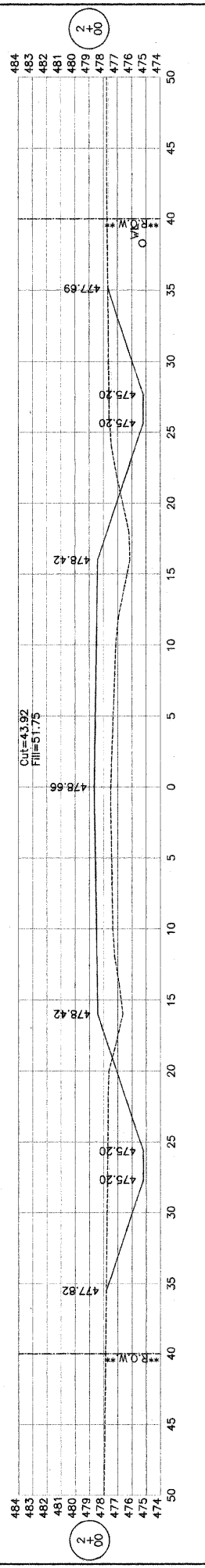
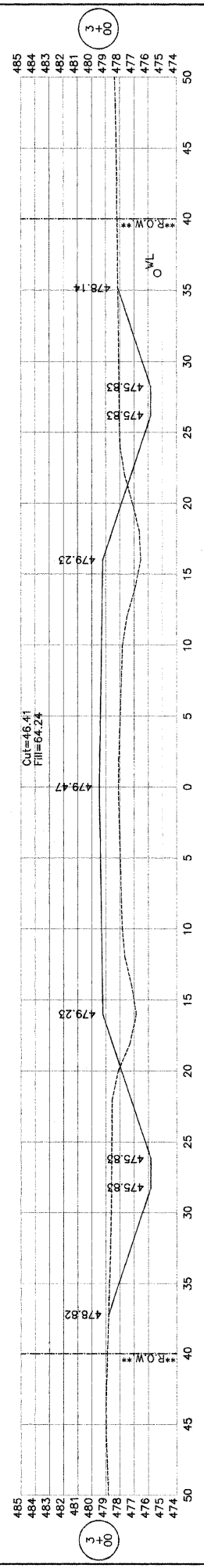
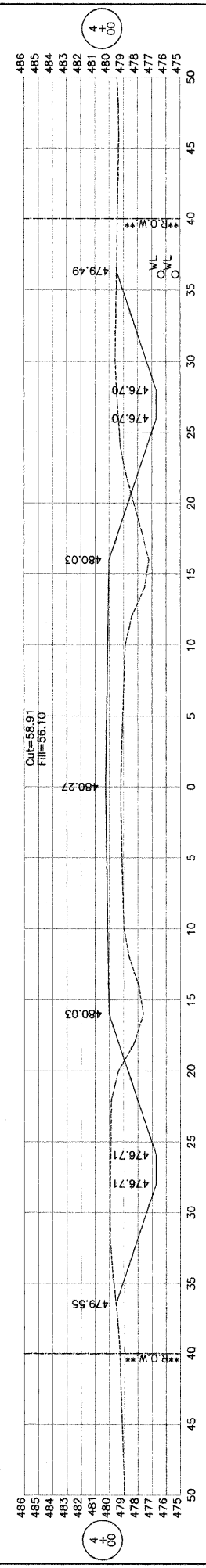
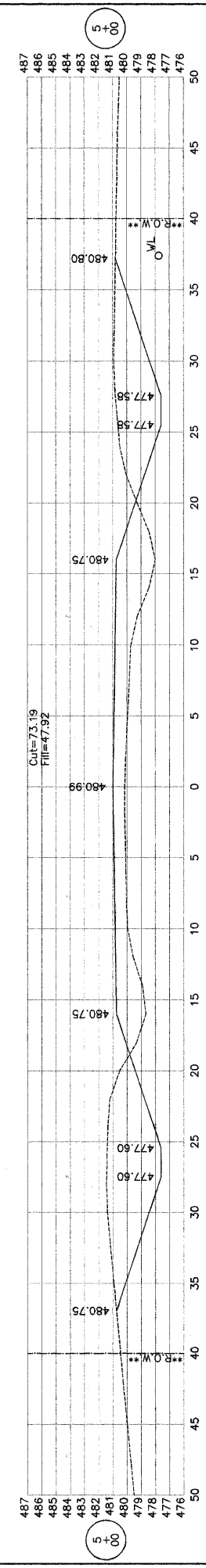
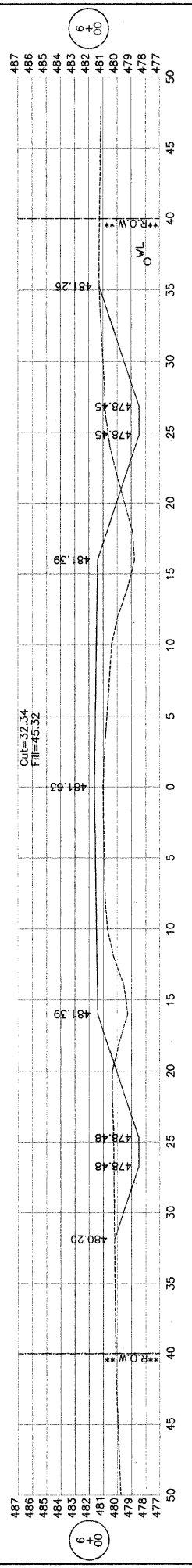
CUT / FILL ANALYSIS
 Sta 52+00 to Sta 73+25
 Total Fill 4505 CY
 Total Cut 5511 CY
 Cut/Fill Ratio=1.22

BM 7 = TOP OF IP
 @ STA 93+47
 O/S 33' RT
 ELEV. = 508.50

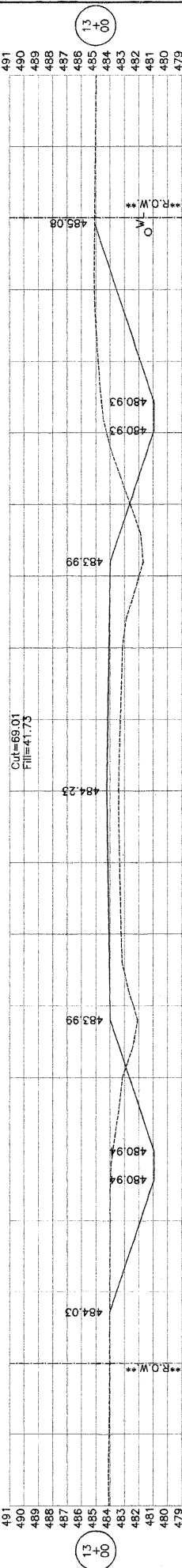
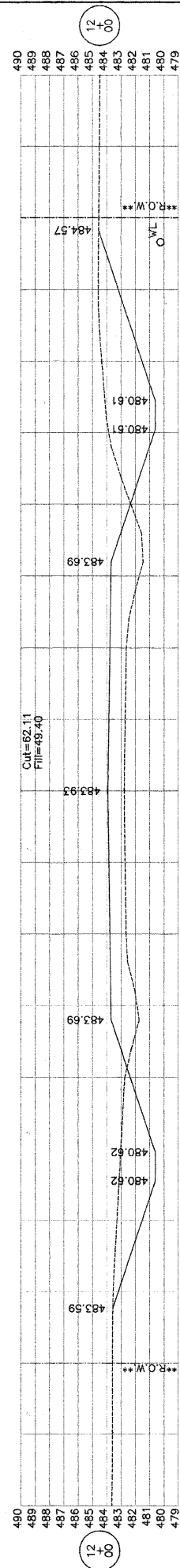
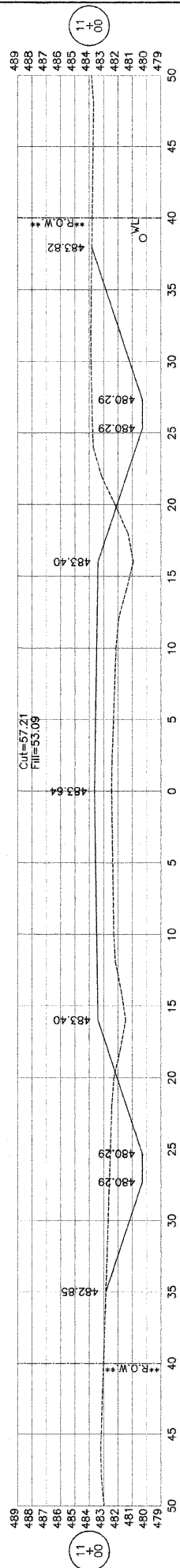
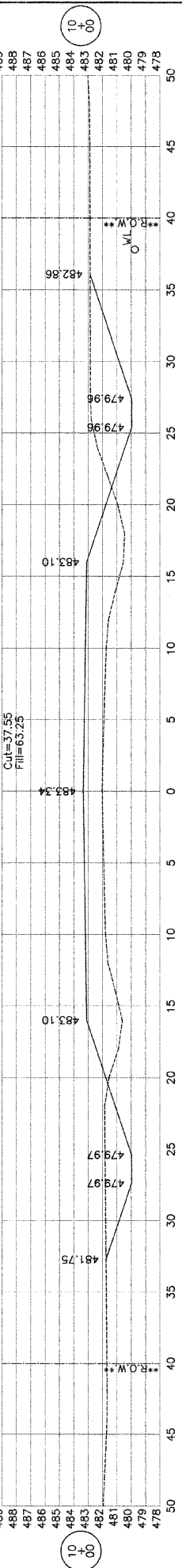
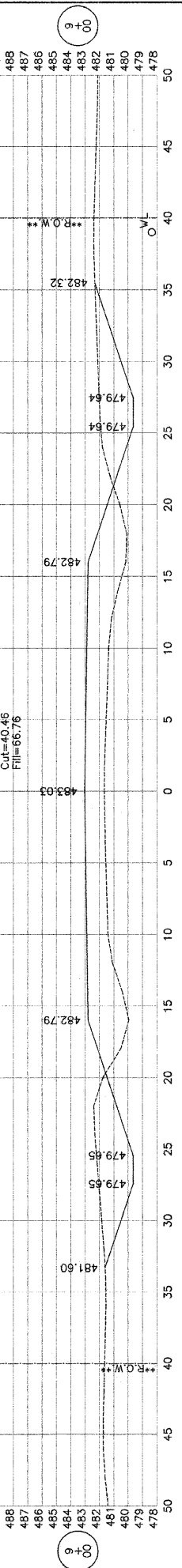
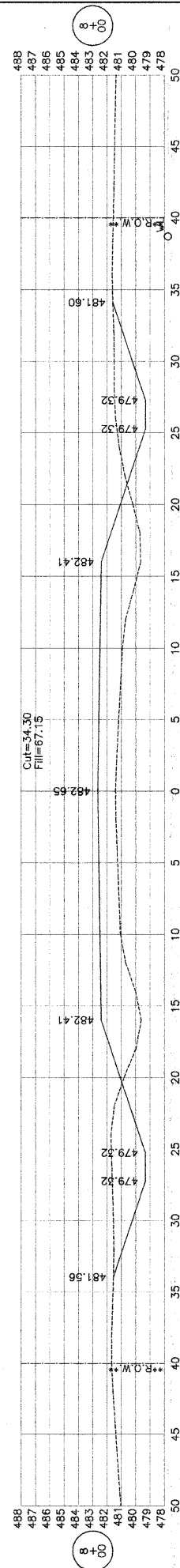
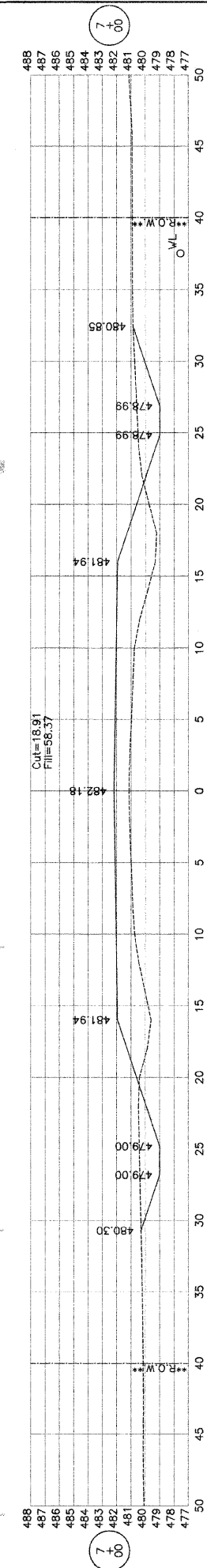
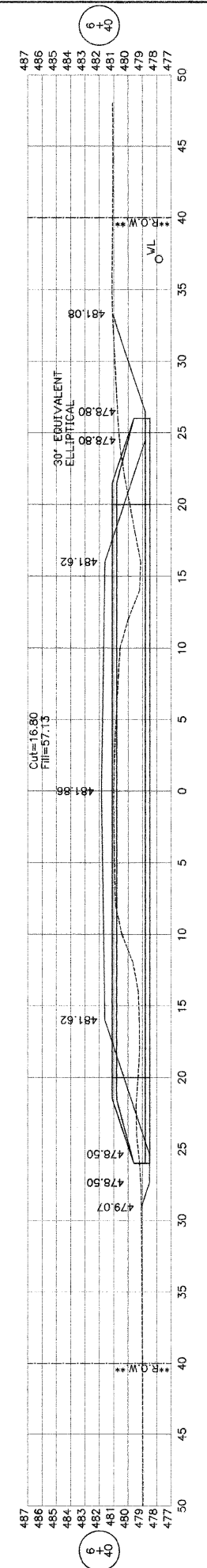


CUT / FILL ANALYSIS
 Sta 73+25 to Sta 94+50
 Total Fill 4714 CY
 Total Cut 5658 CY
 Cut/Fill Ratio=1.20

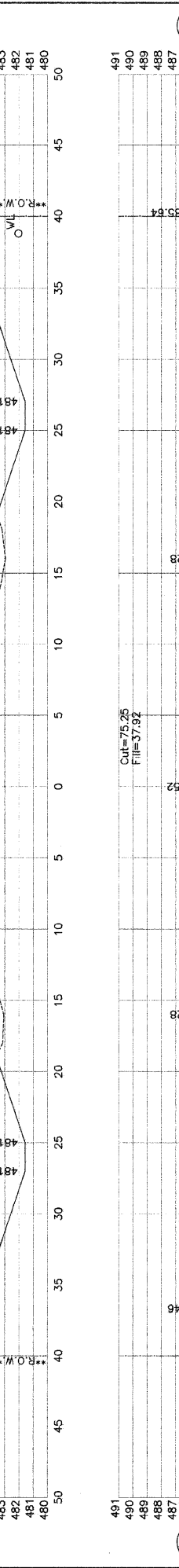
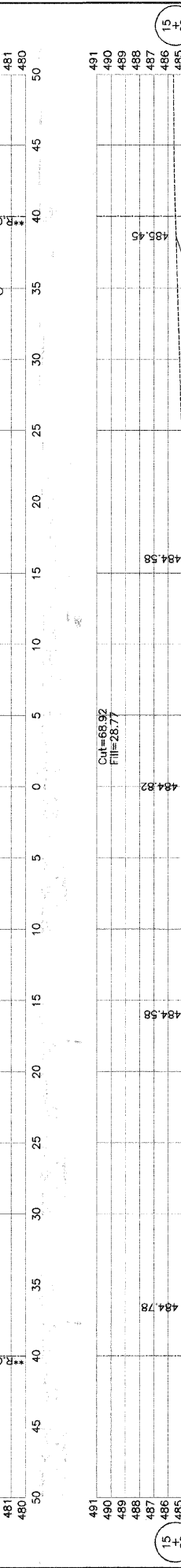
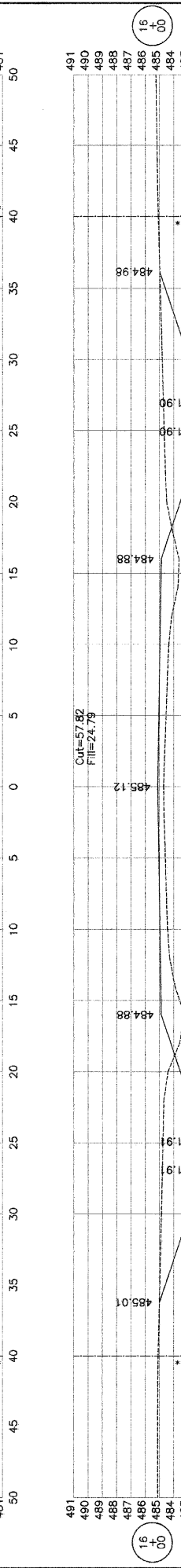
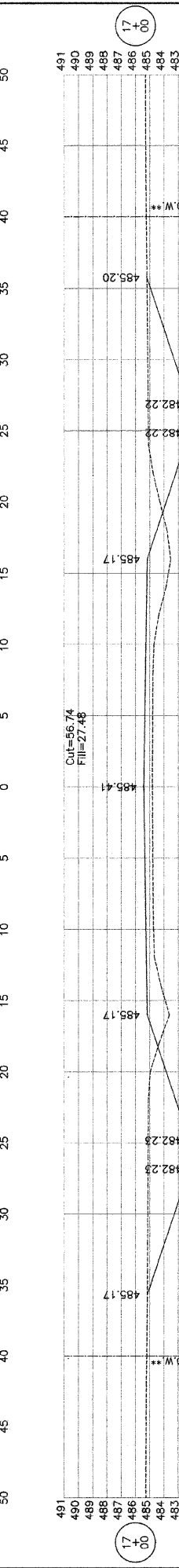
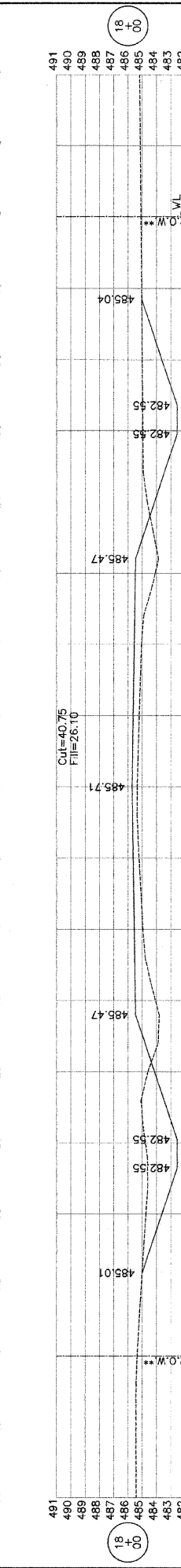
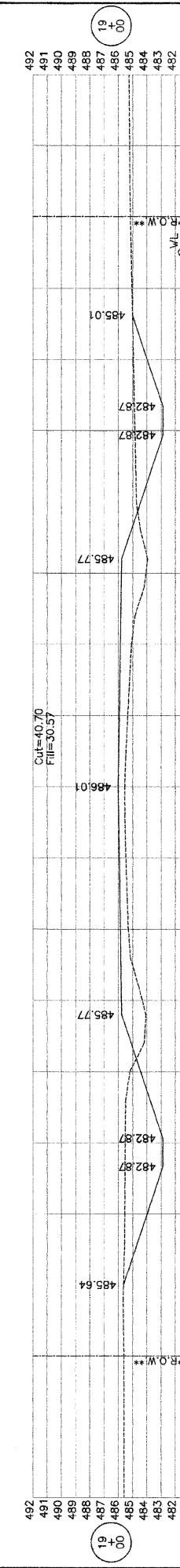
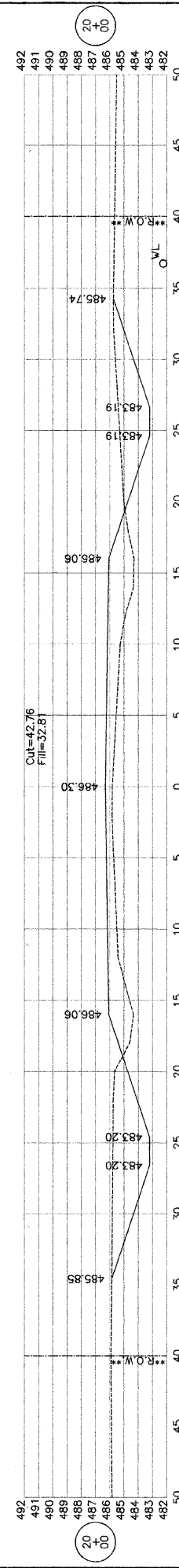
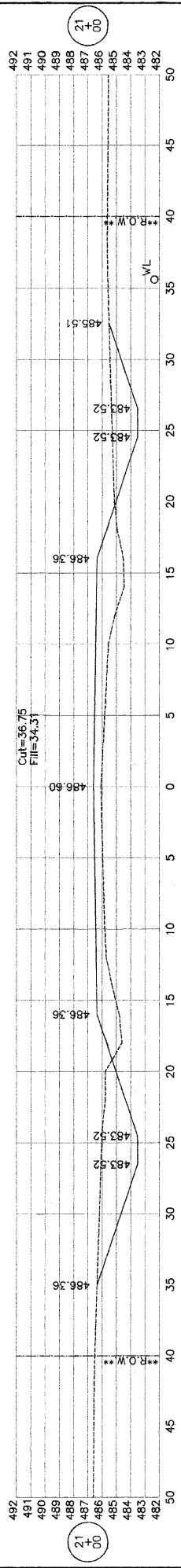


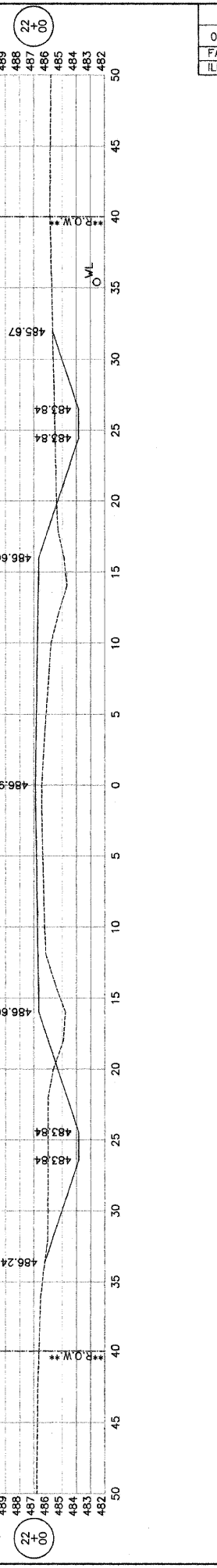
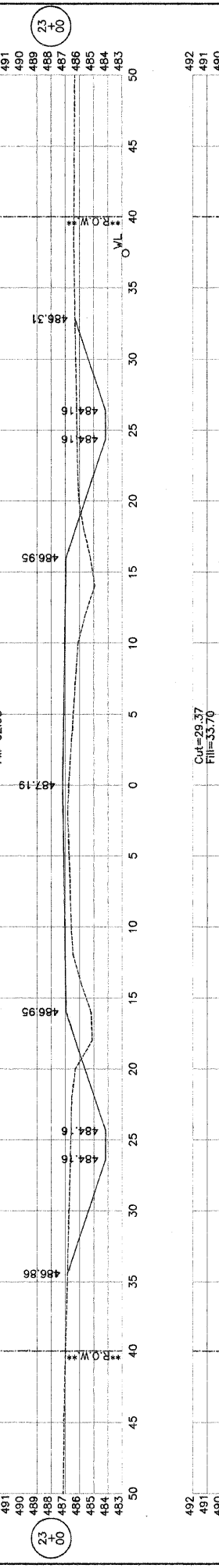
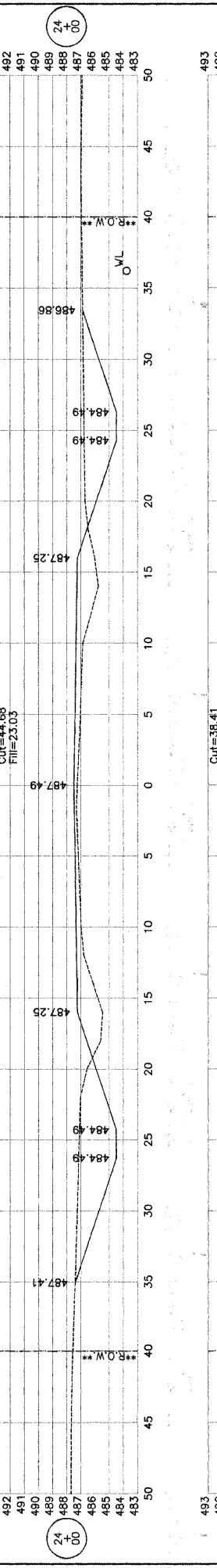
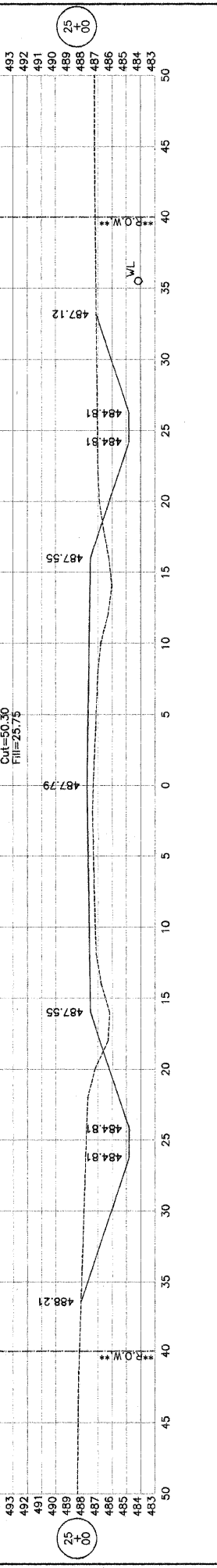
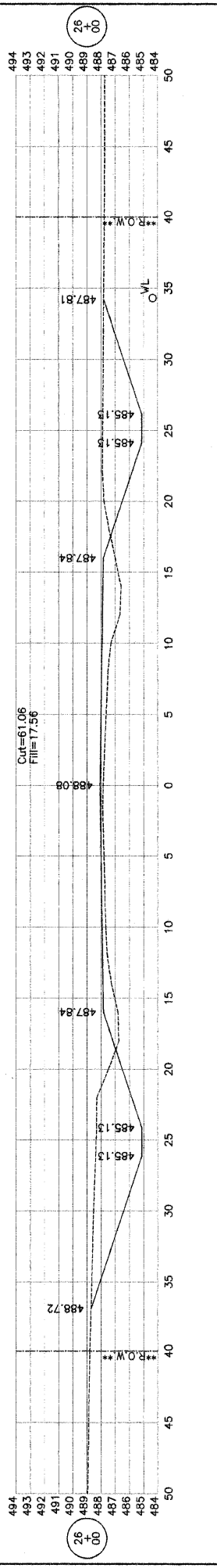
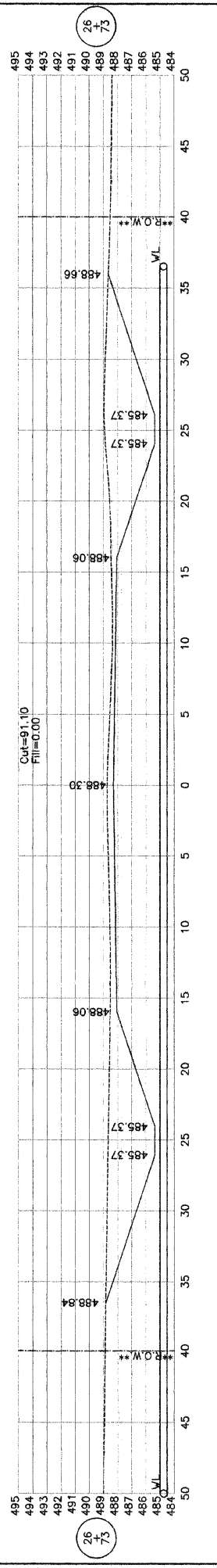
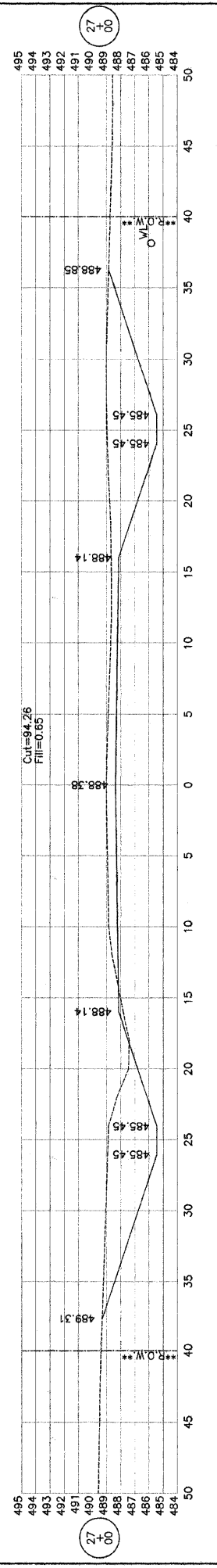
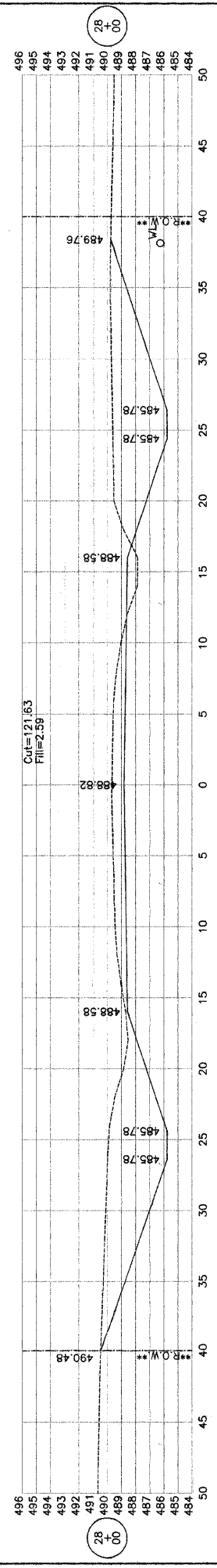


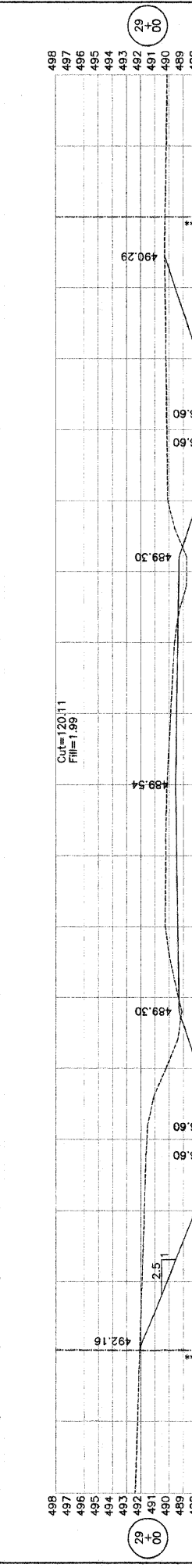
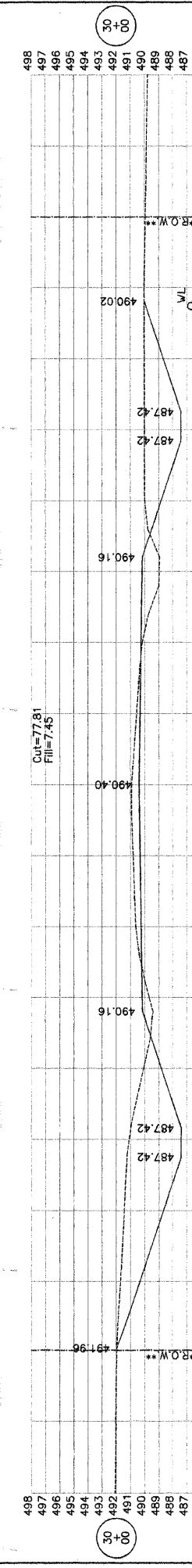
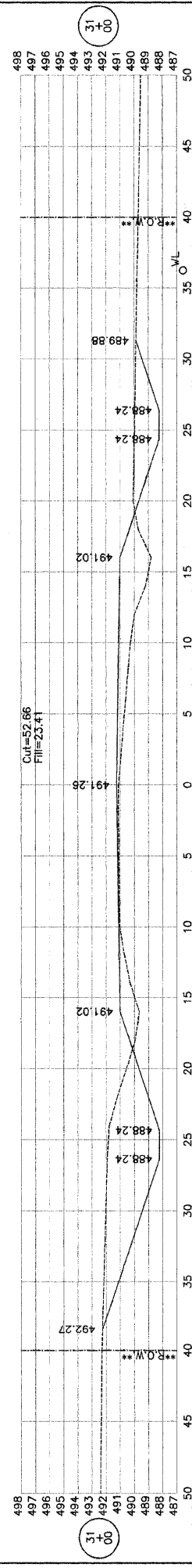
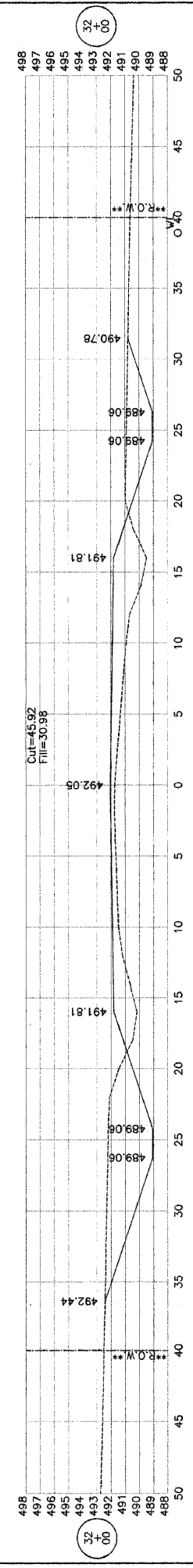
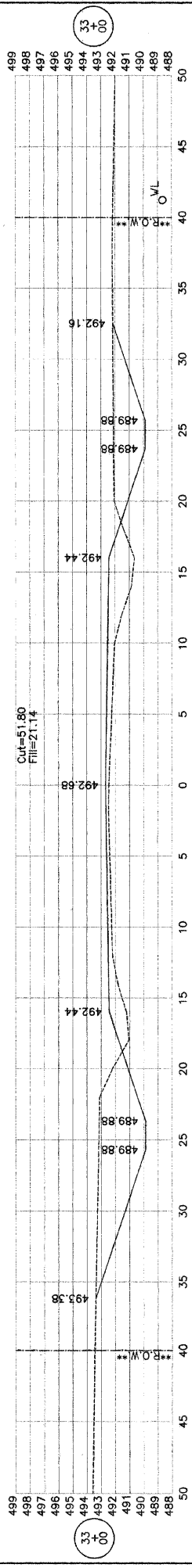
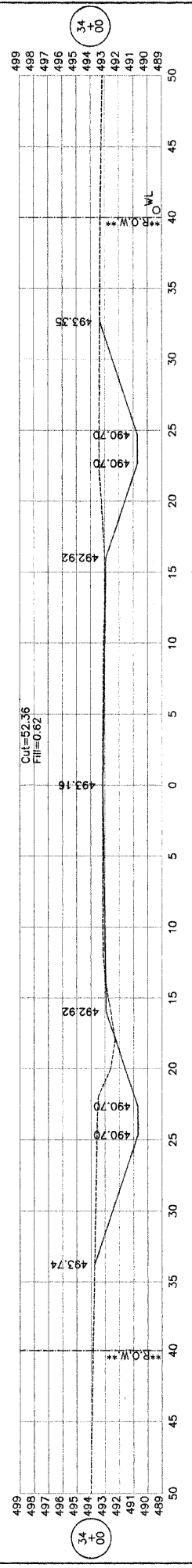
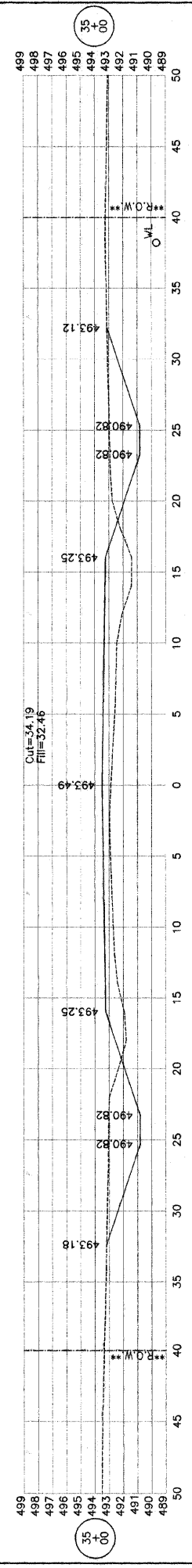
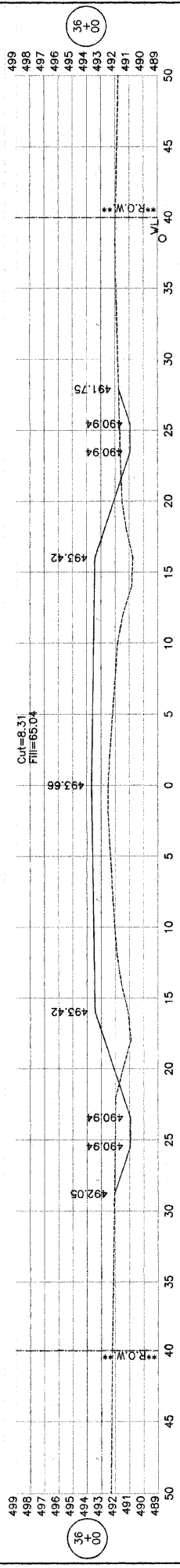
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	8
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2617(101)			
CONTRACT NO. 95416			



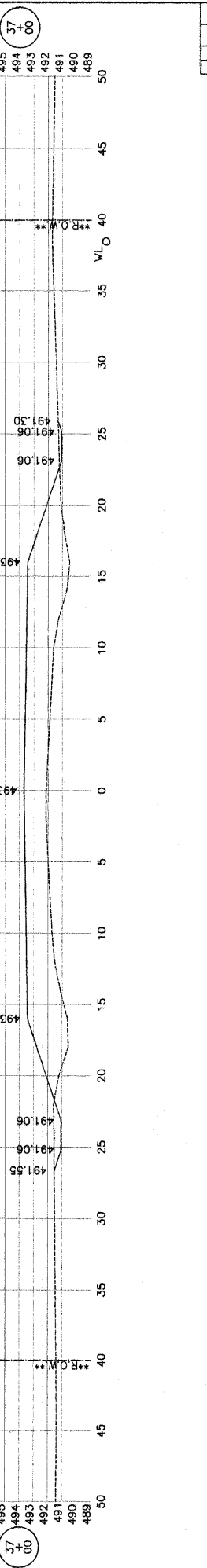
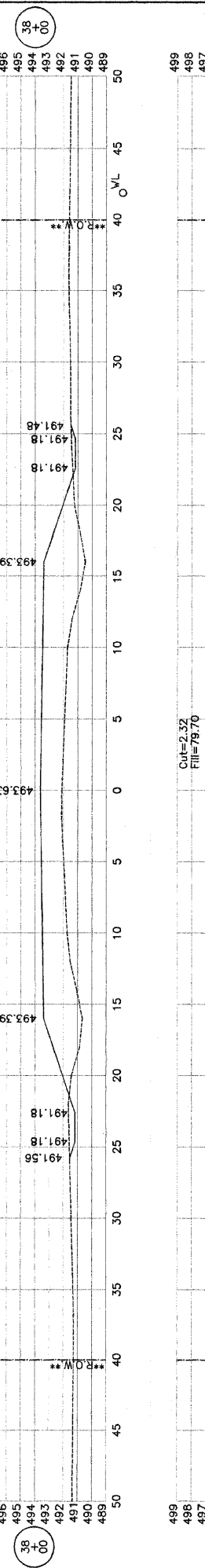
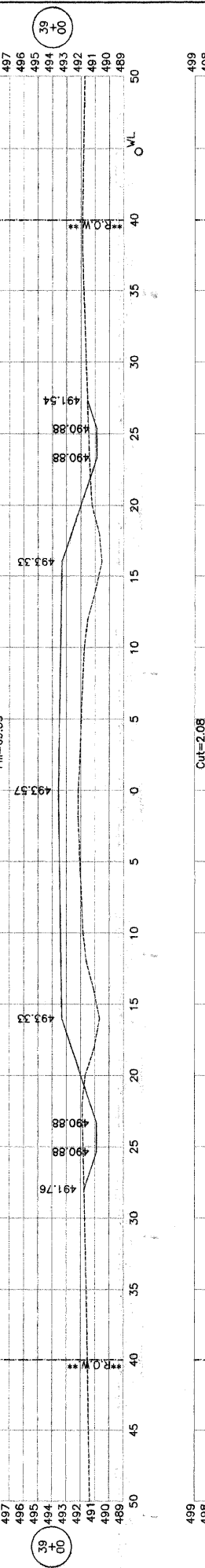
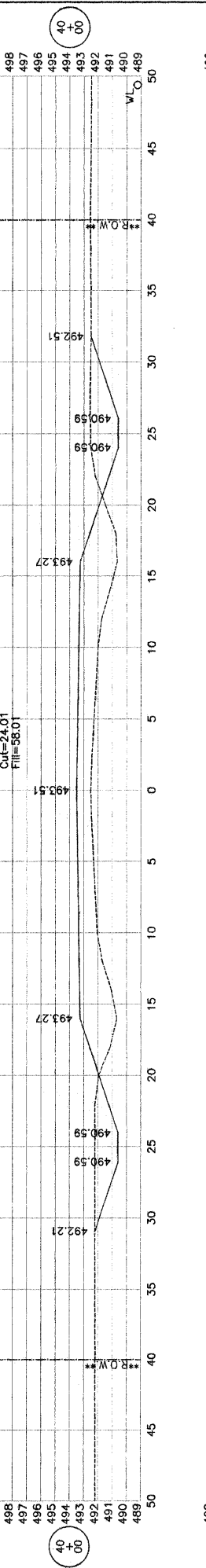
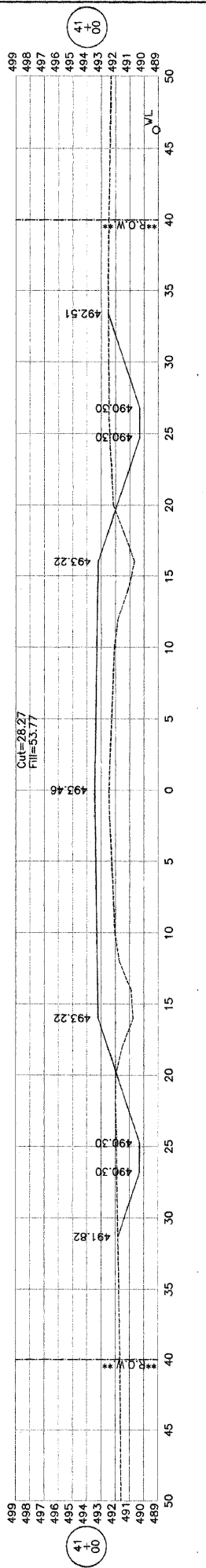
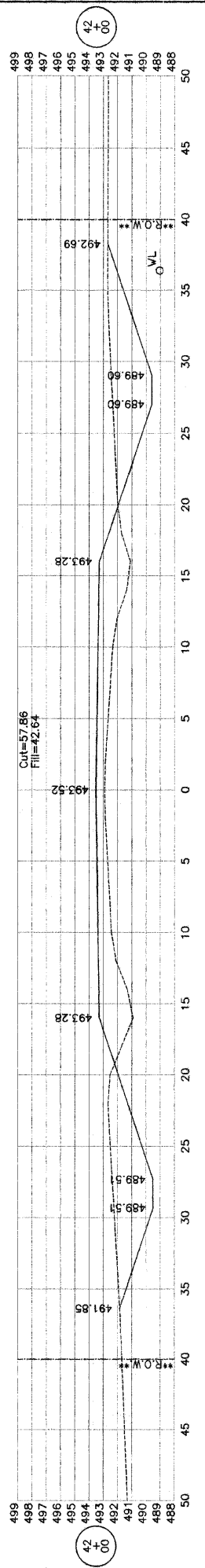
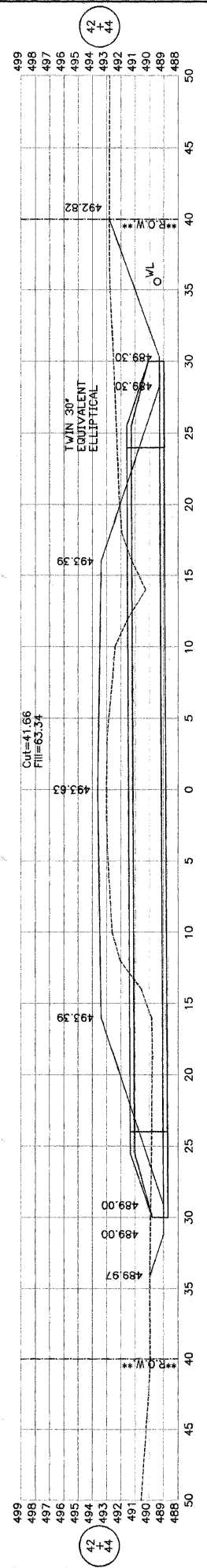
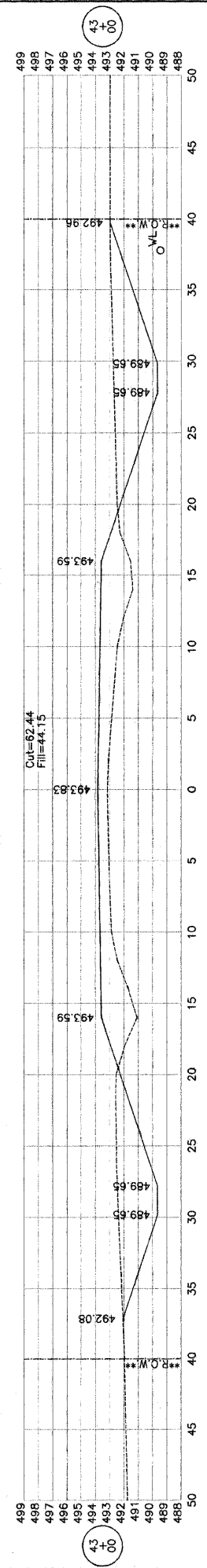
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	9
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



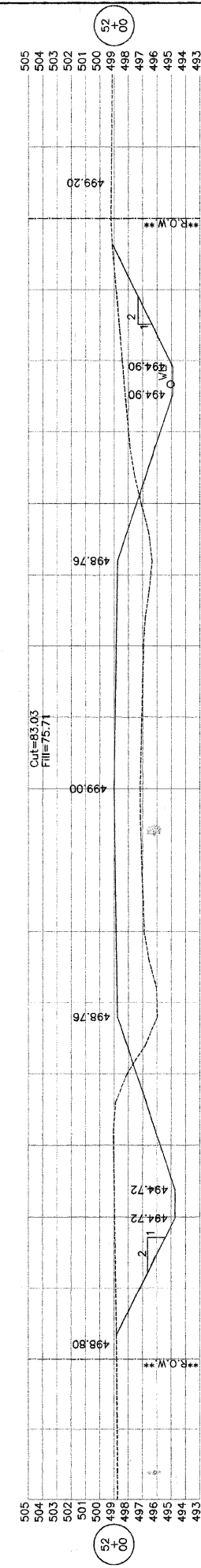
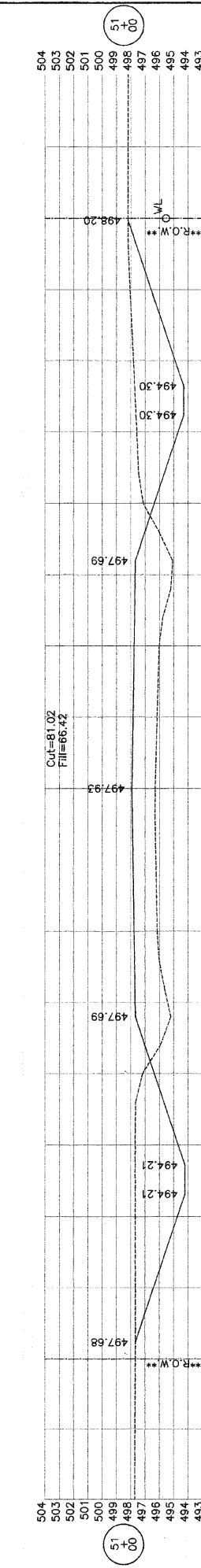
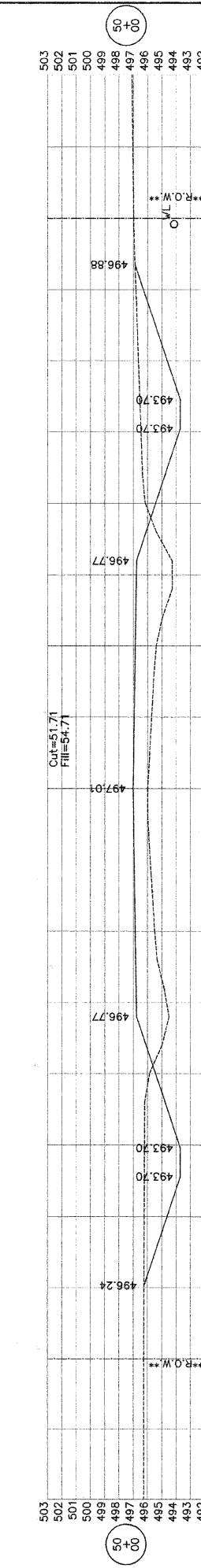
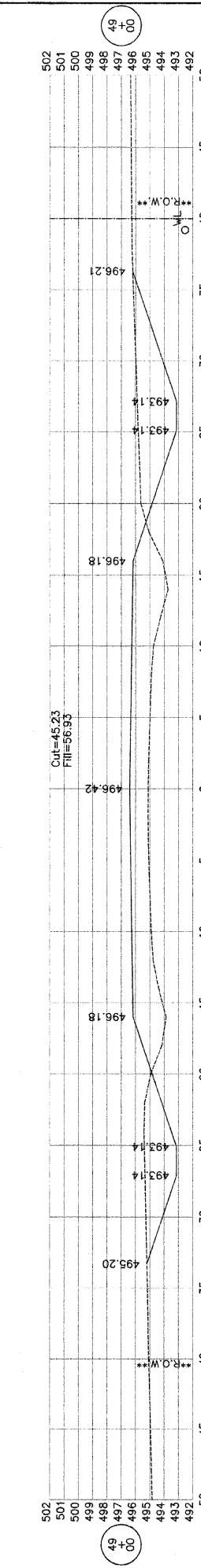
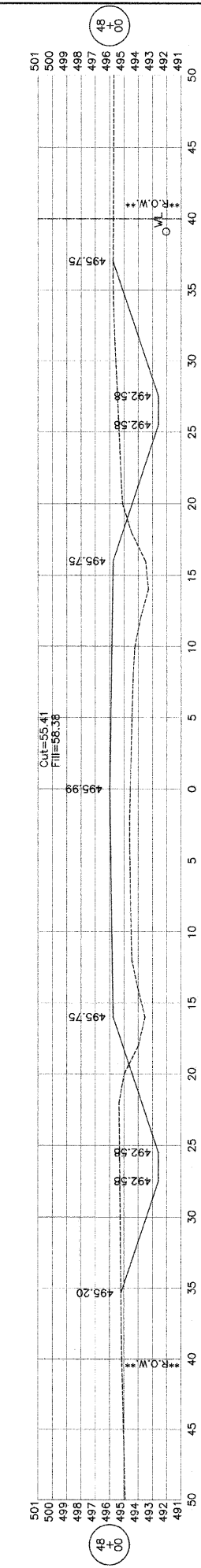
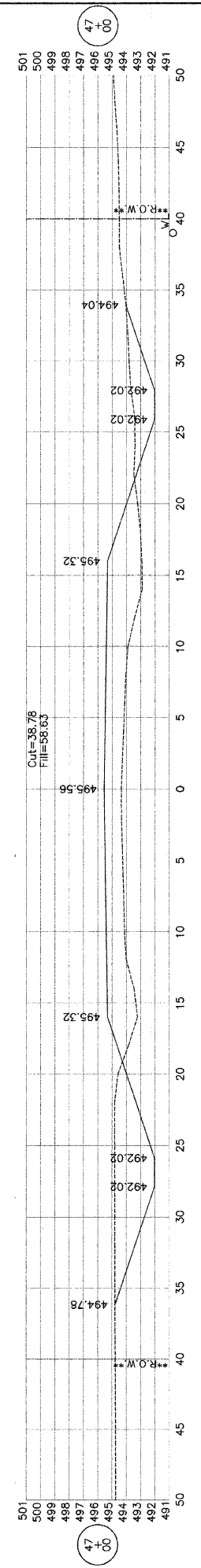
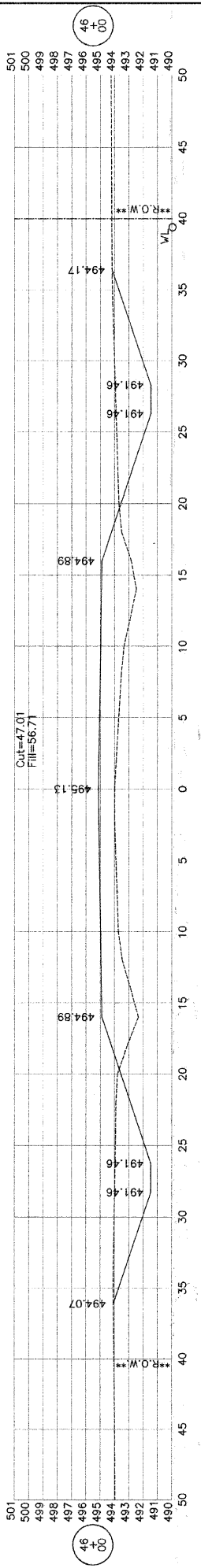
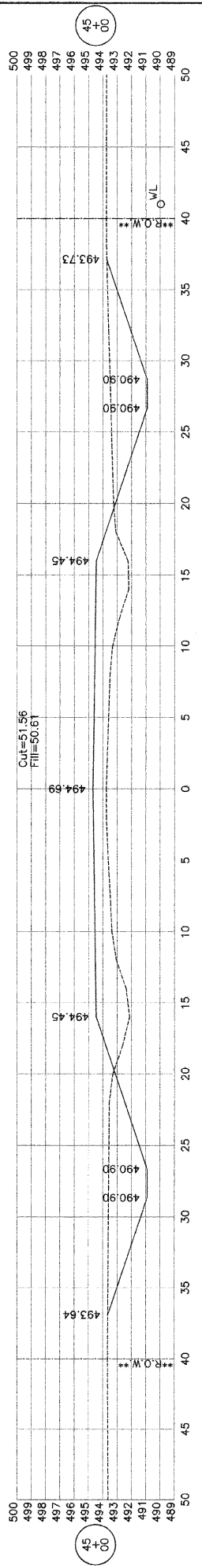
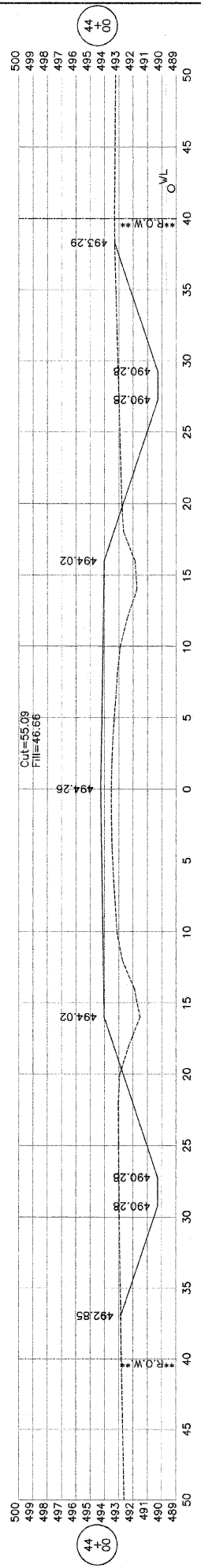




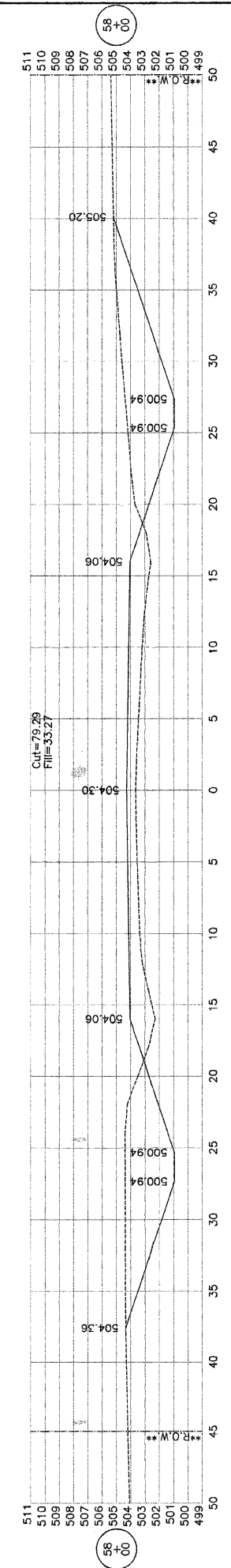
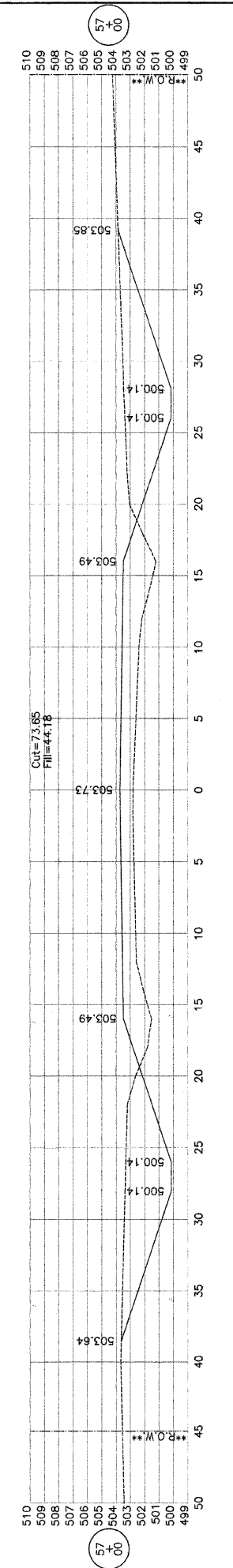
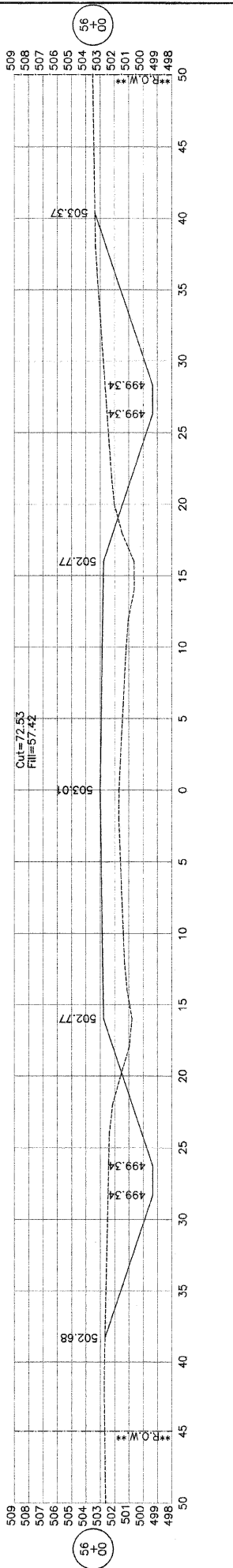
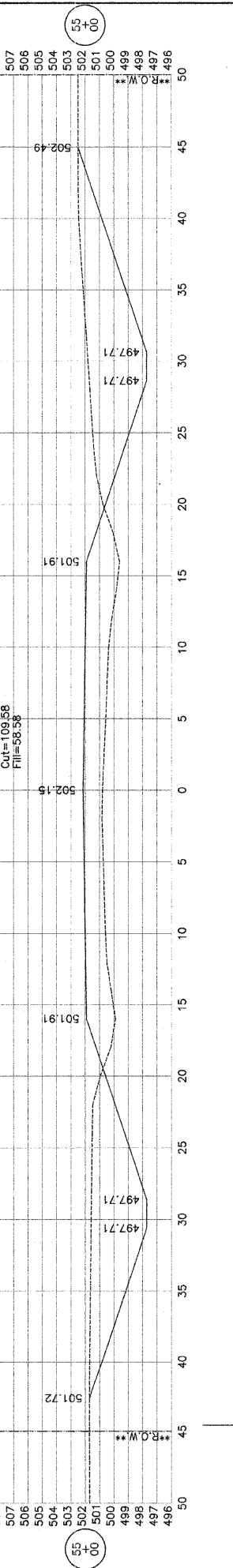
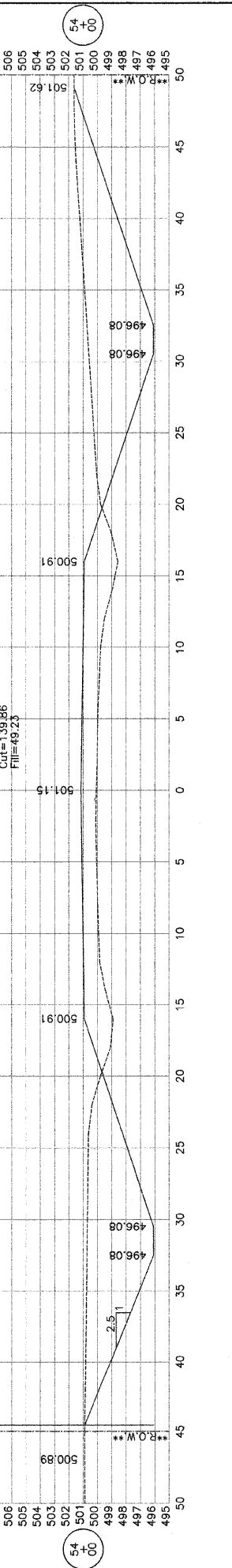
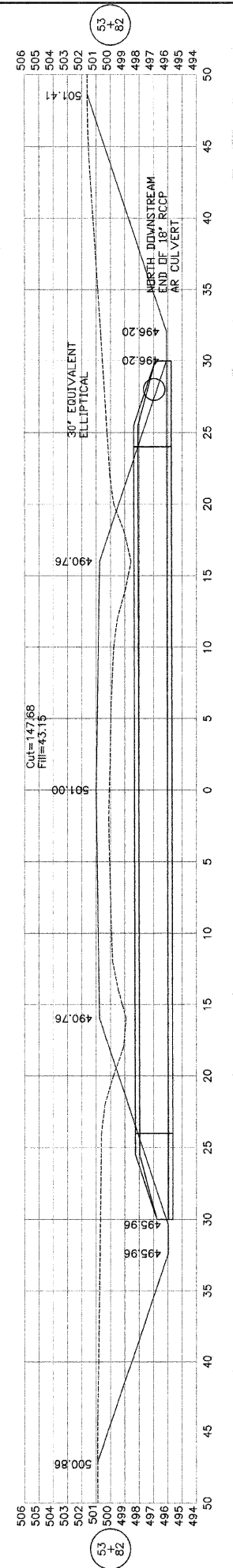
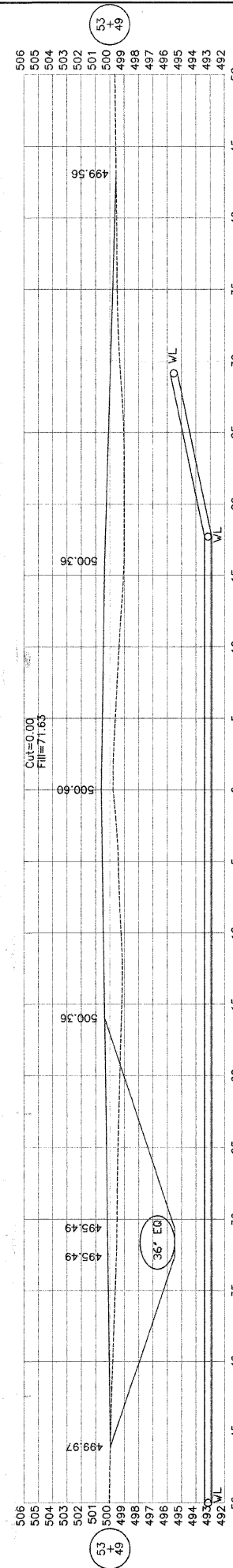
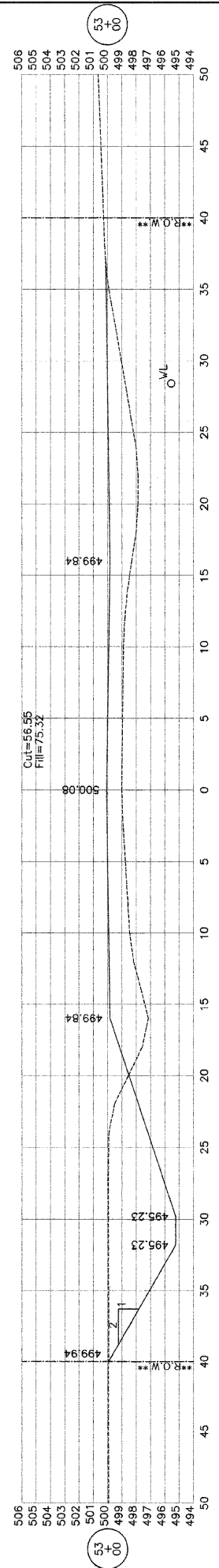
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	12
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



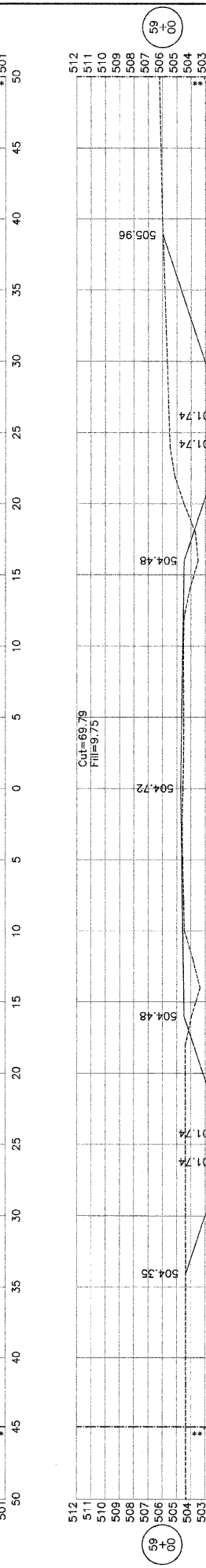
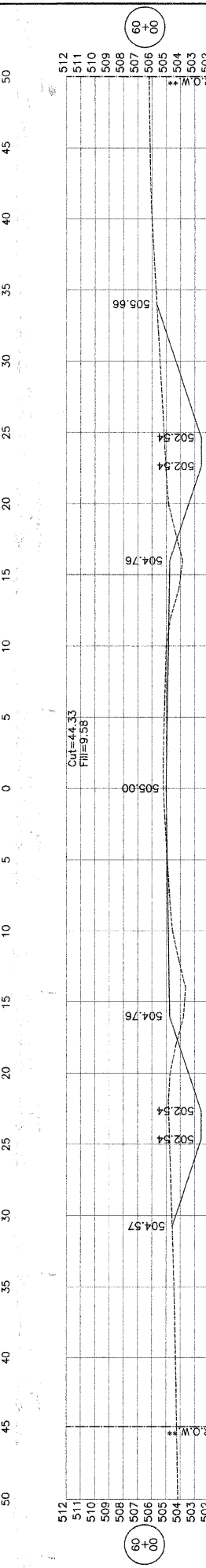
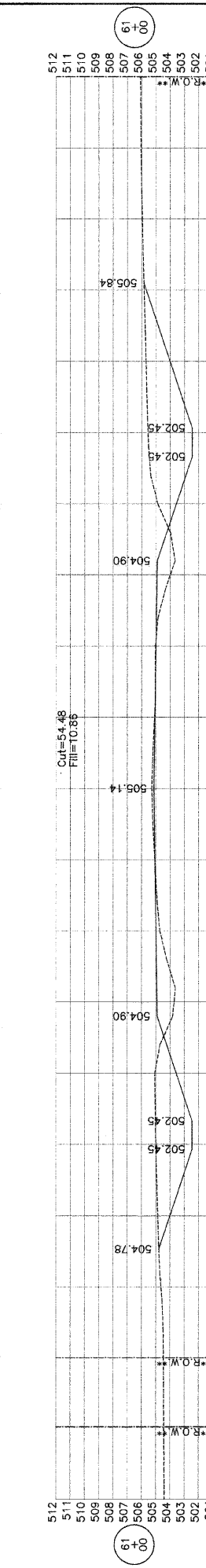
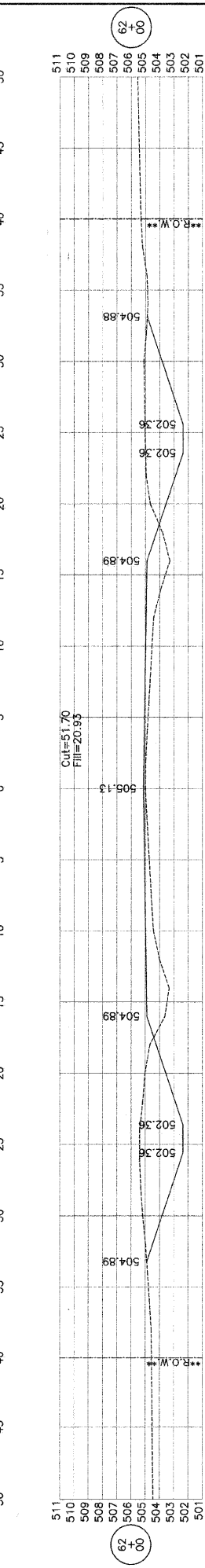
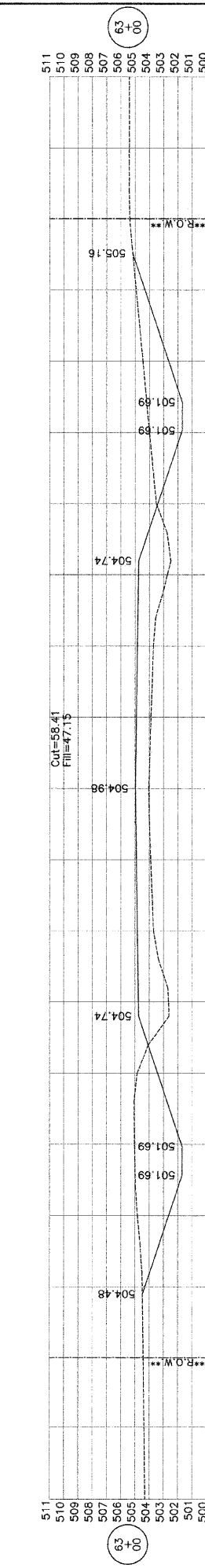
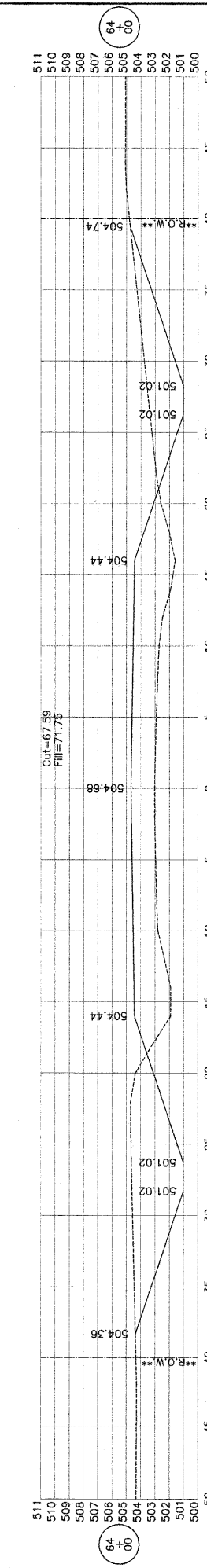
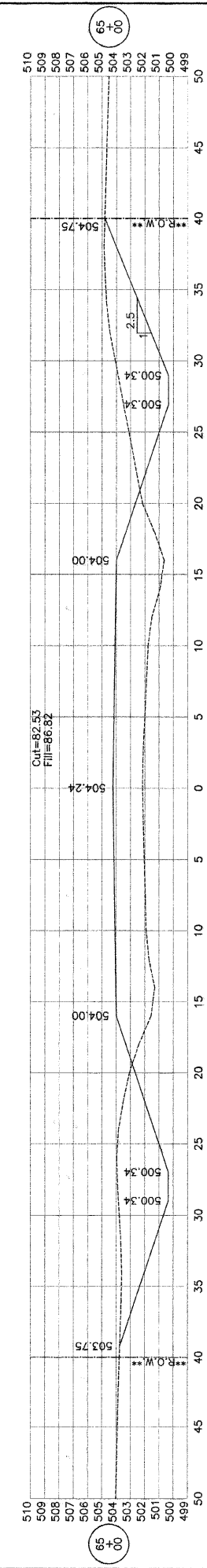
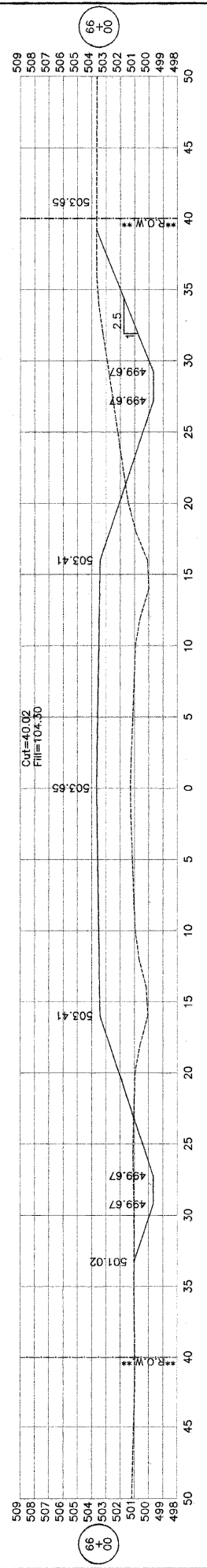
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	13
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



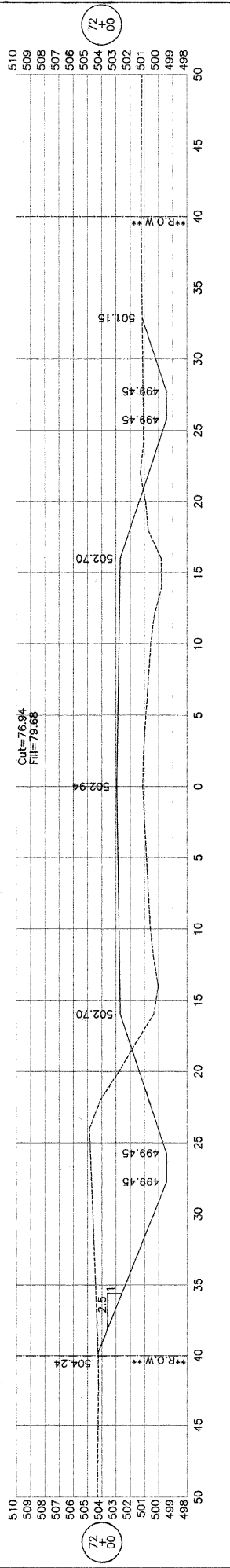
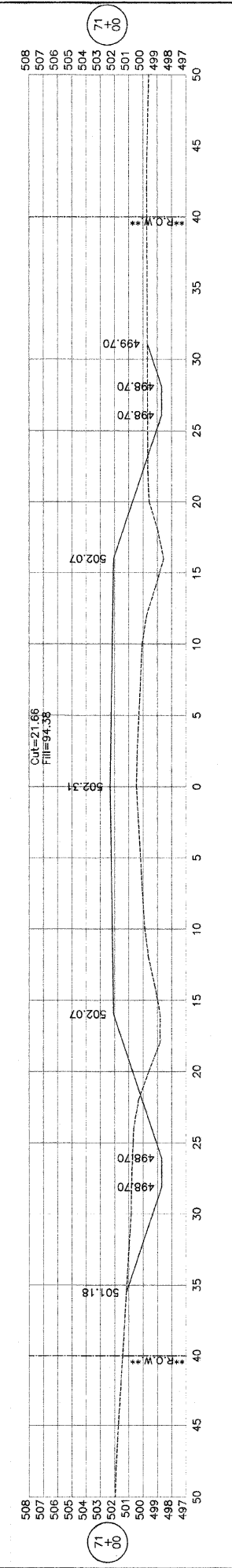
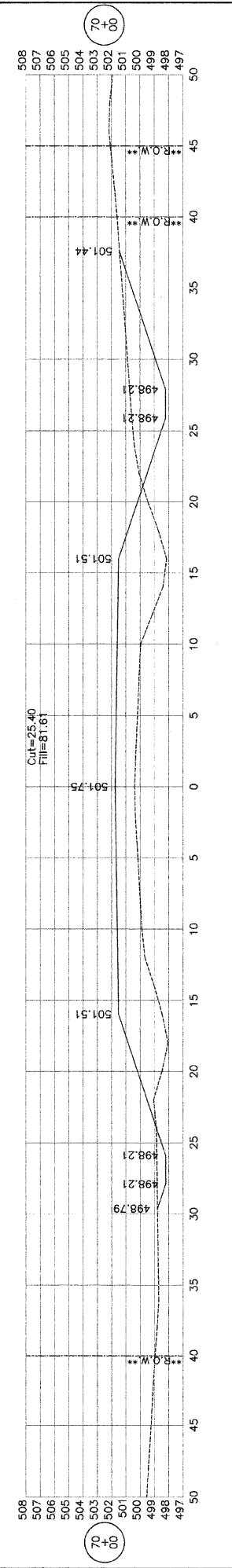
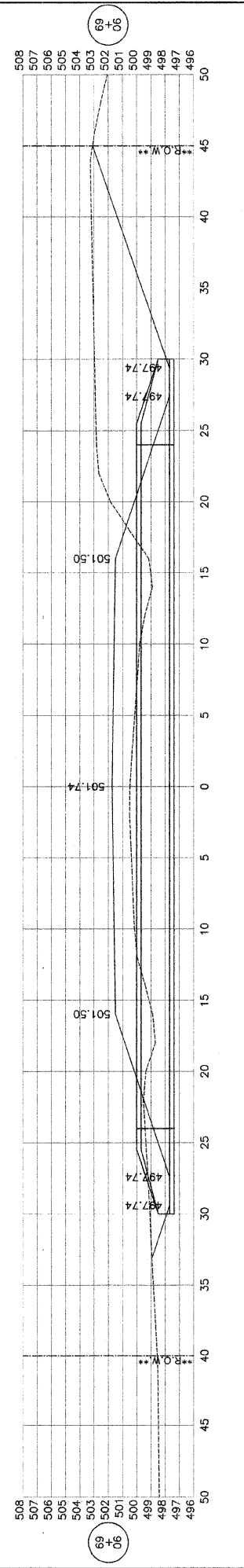
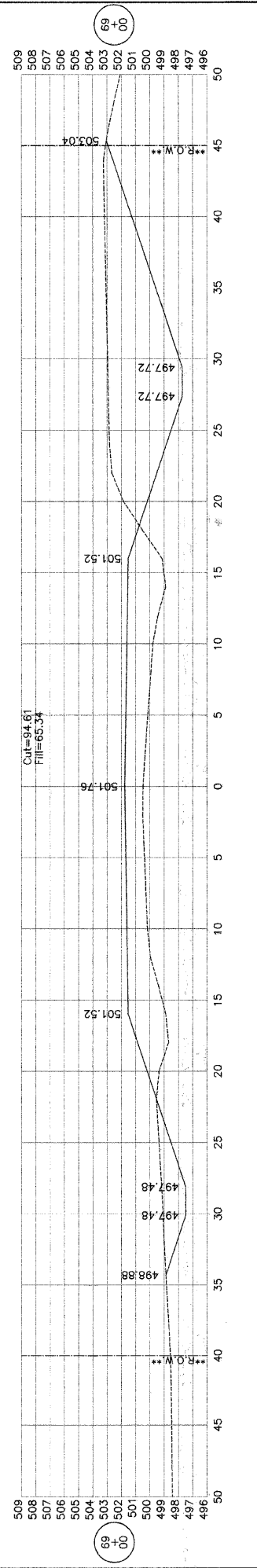
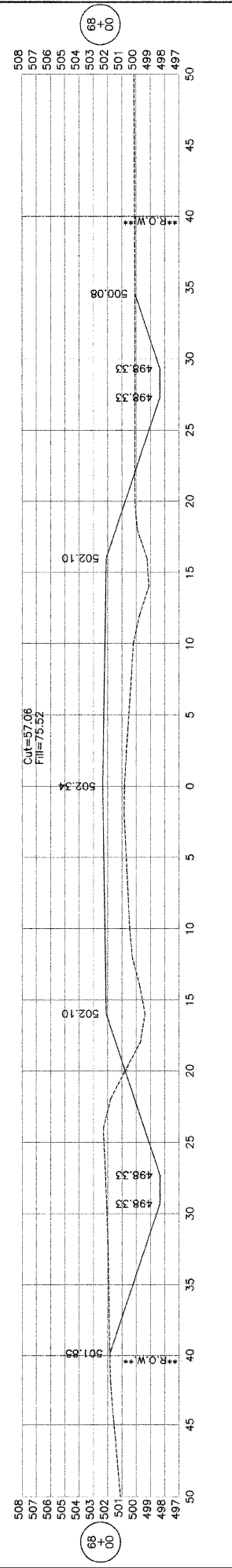
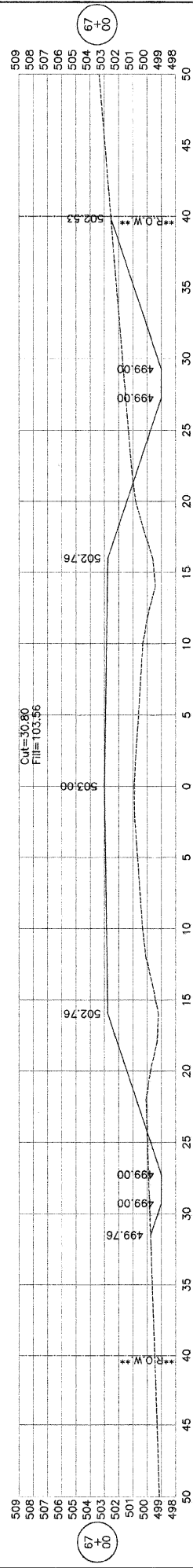
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	14
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



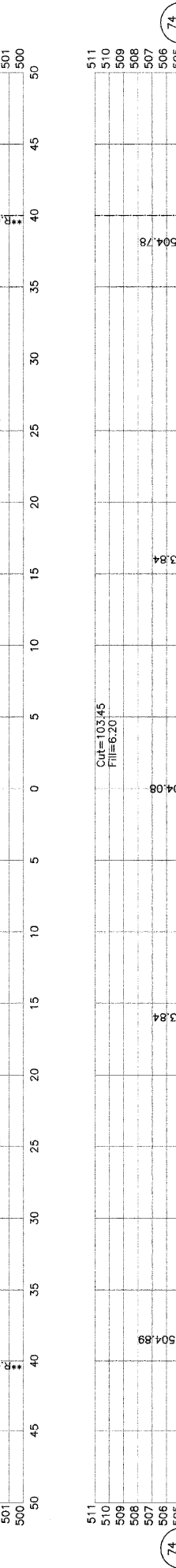
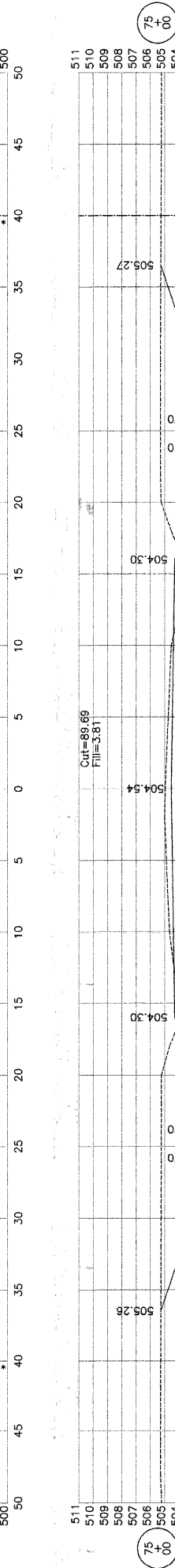
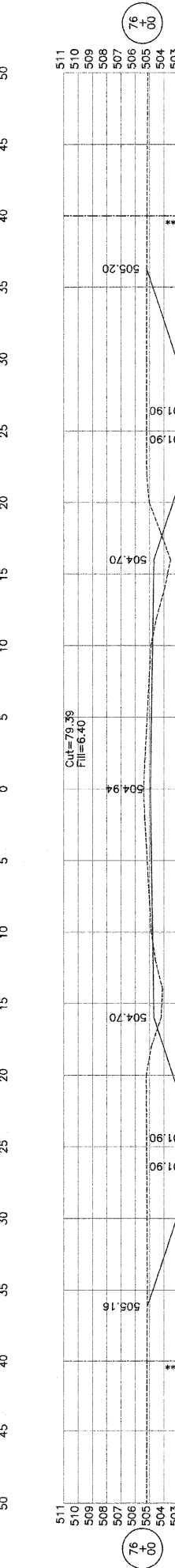
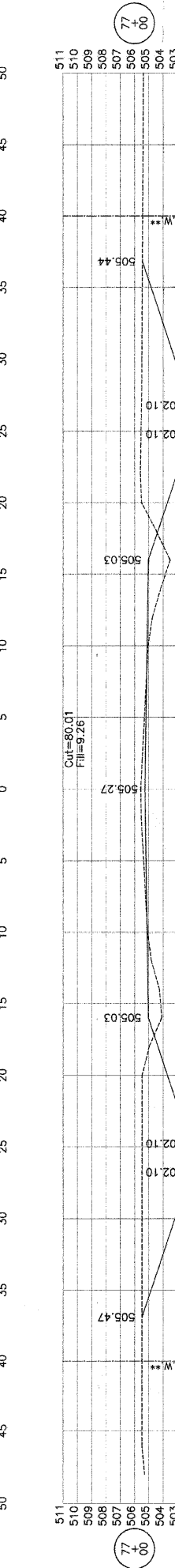
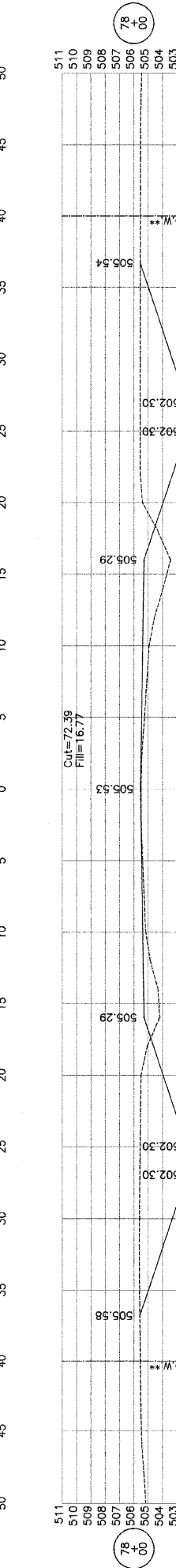
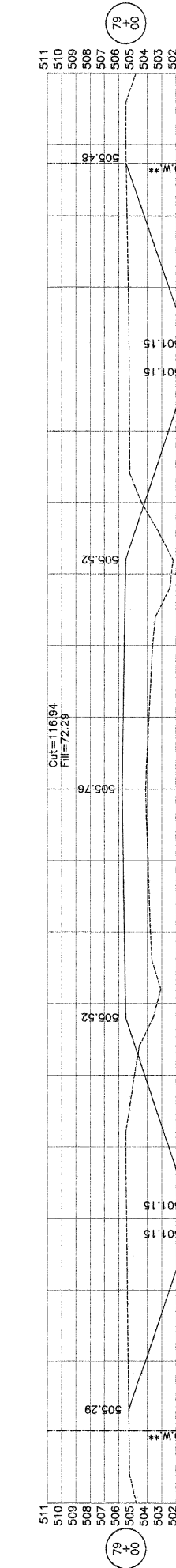
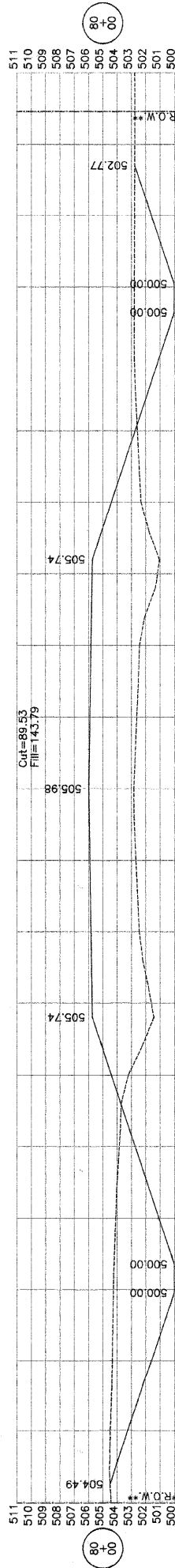
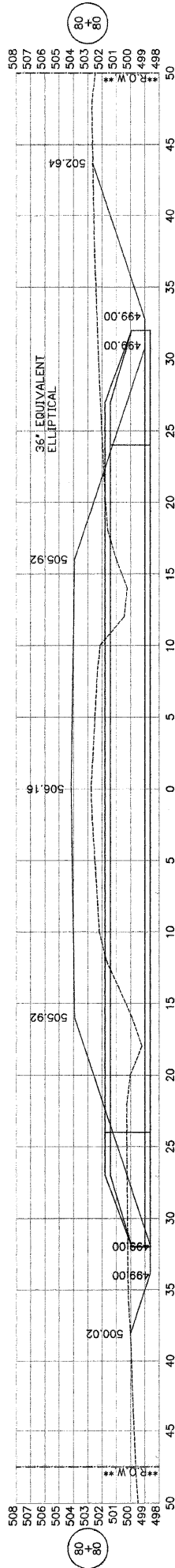
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	15
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



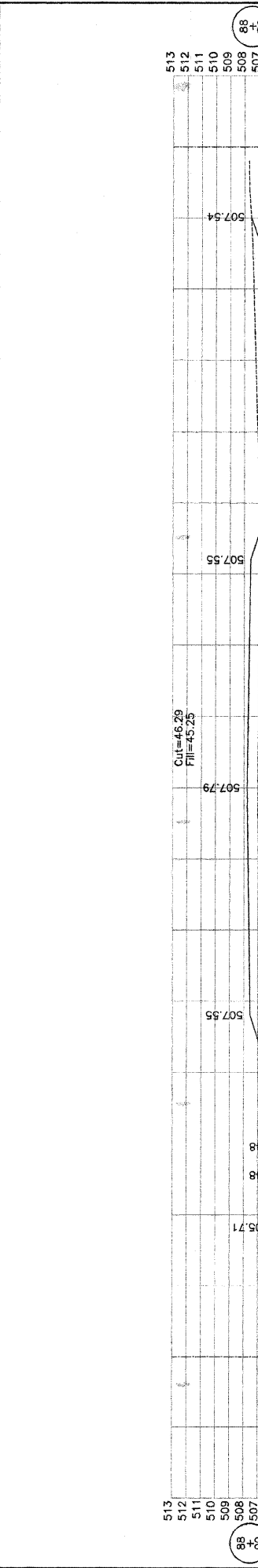
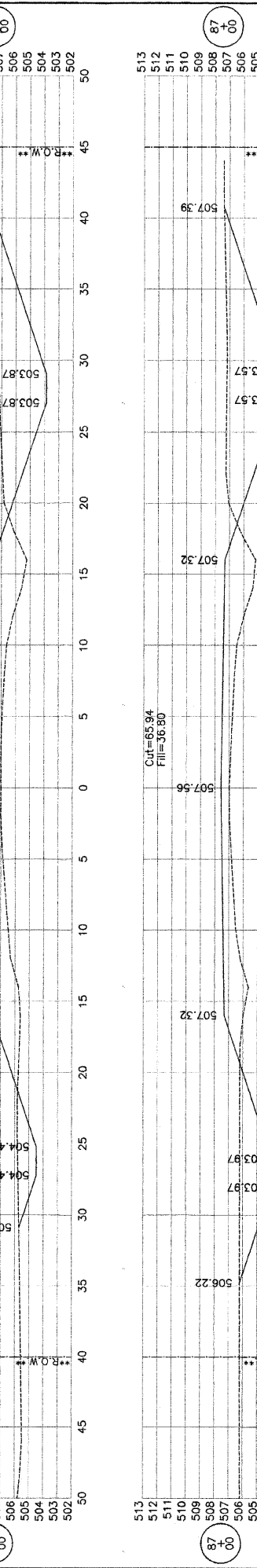
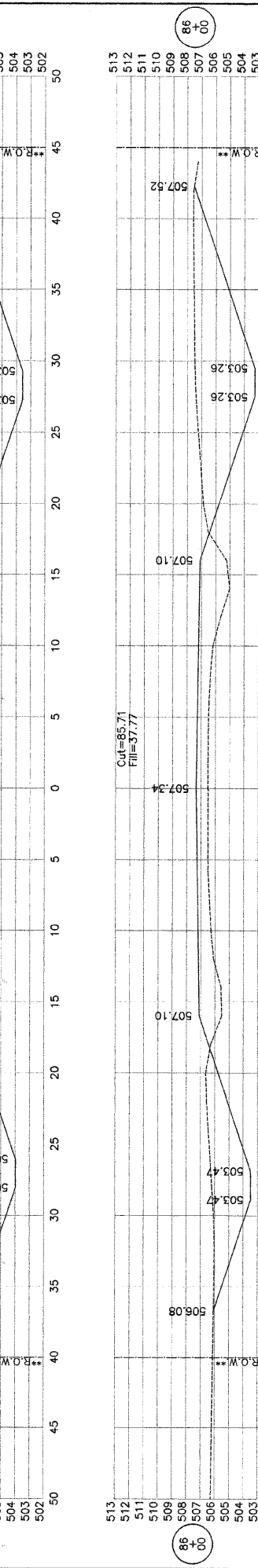
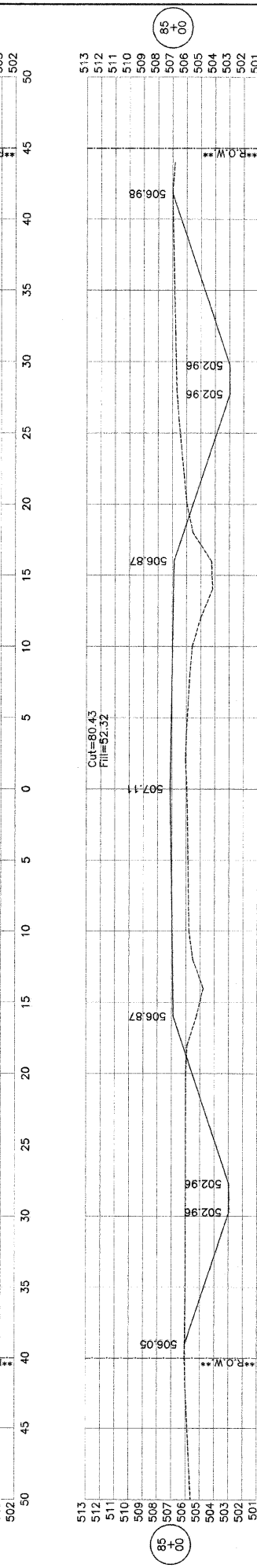
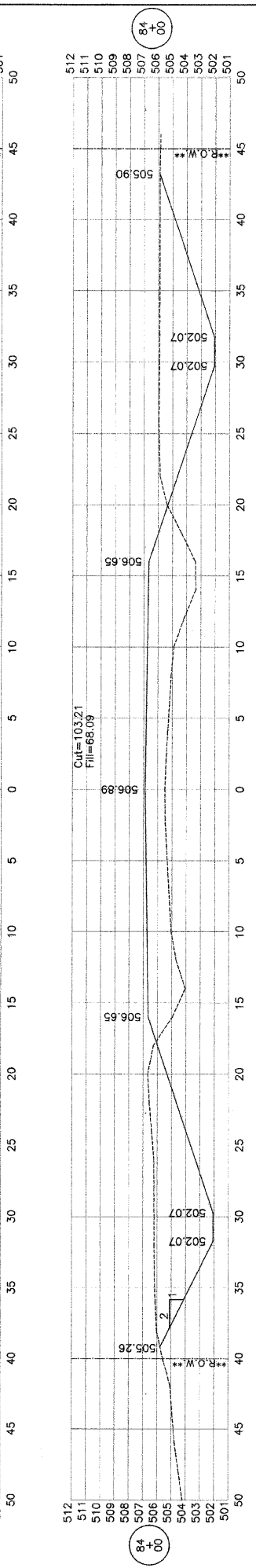
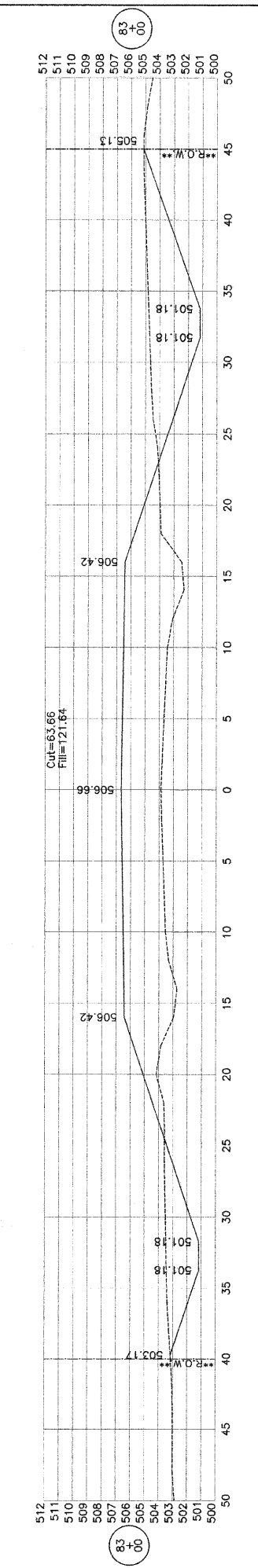
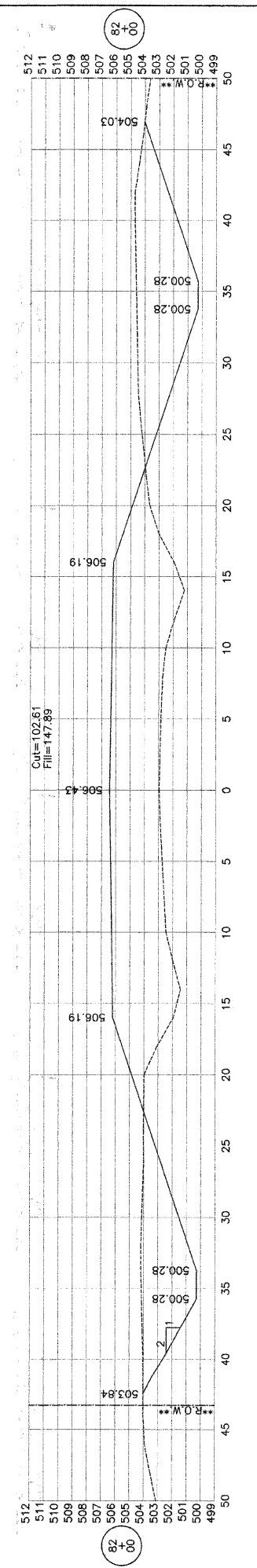
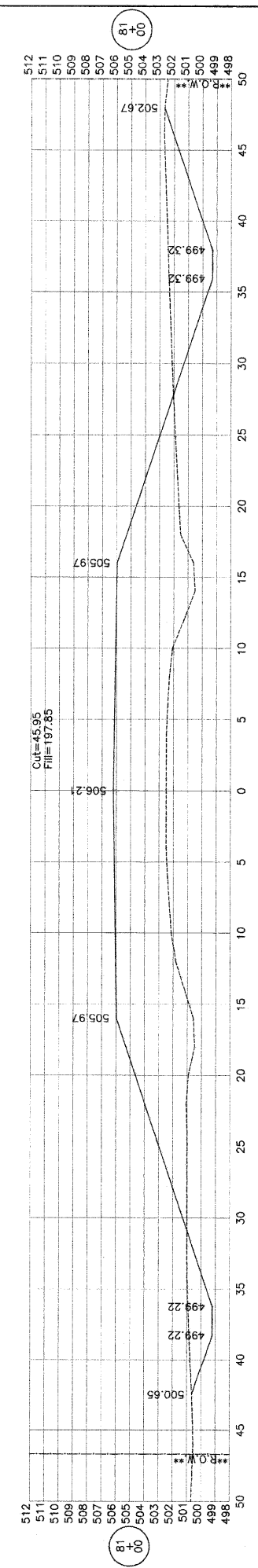
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	16
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



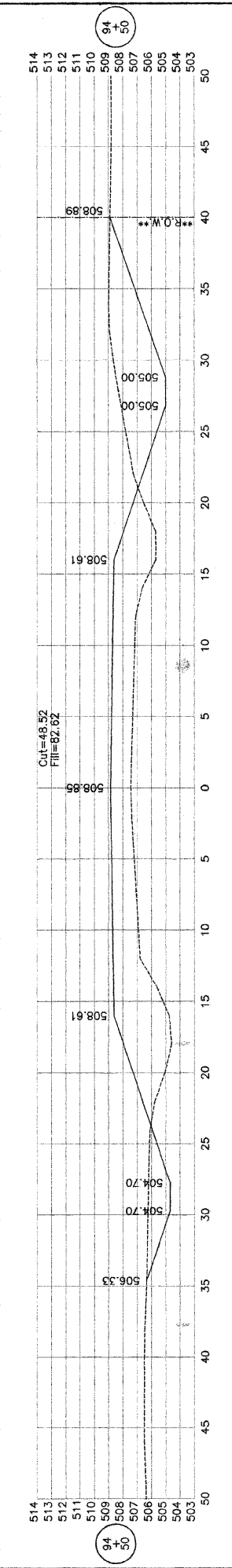
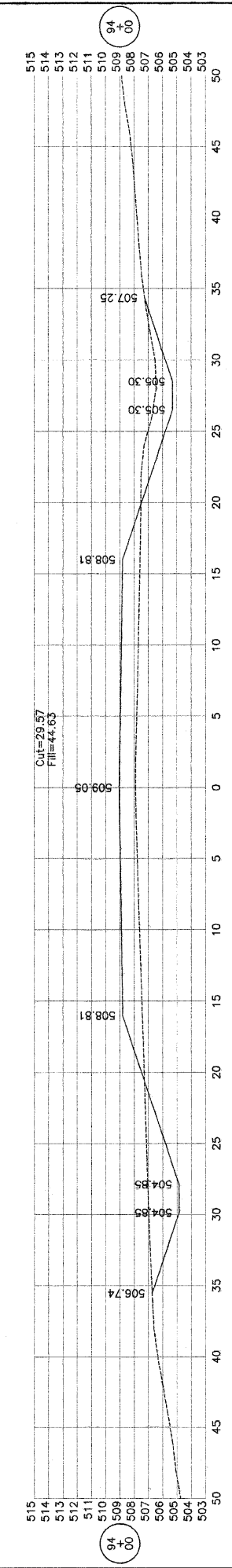
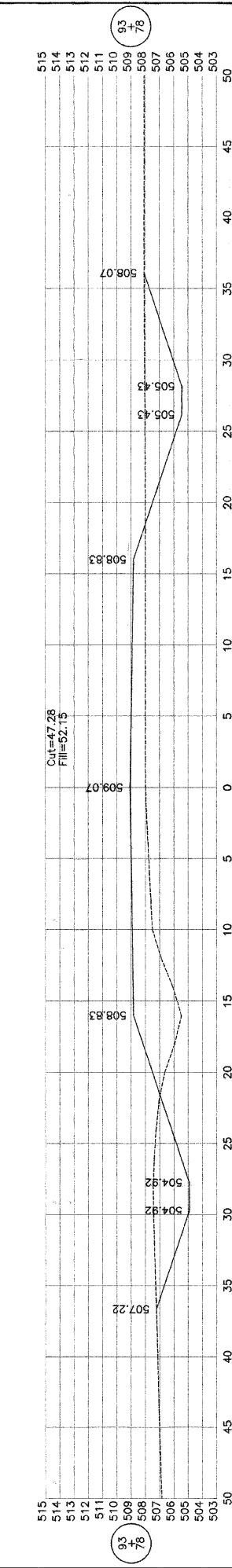
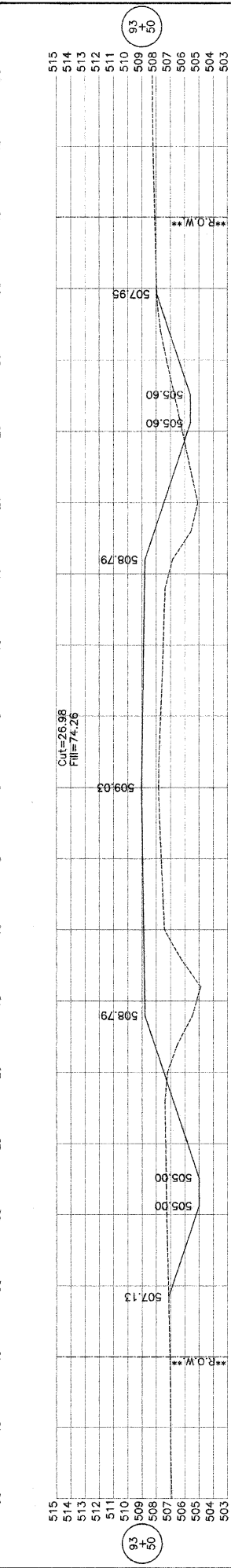
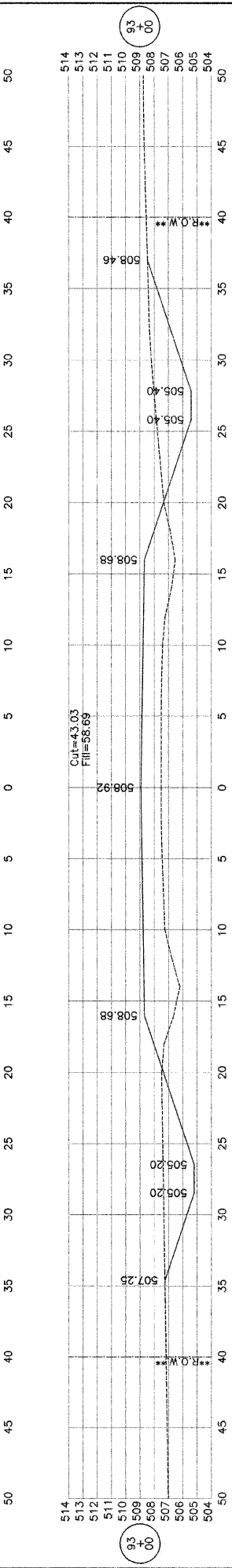
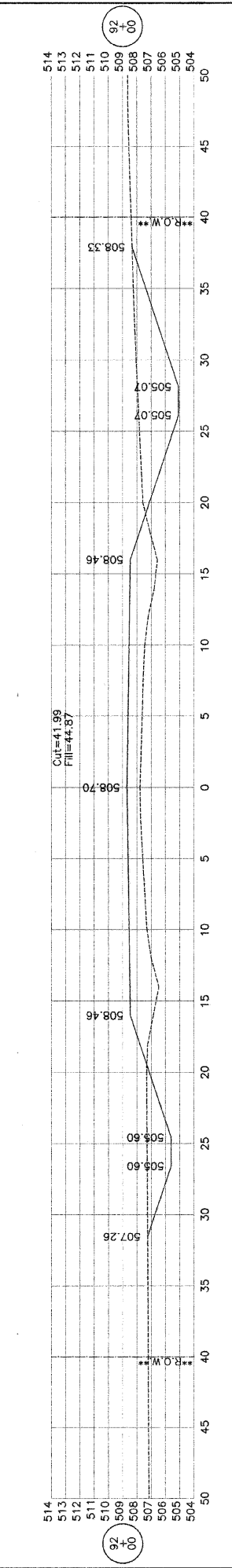
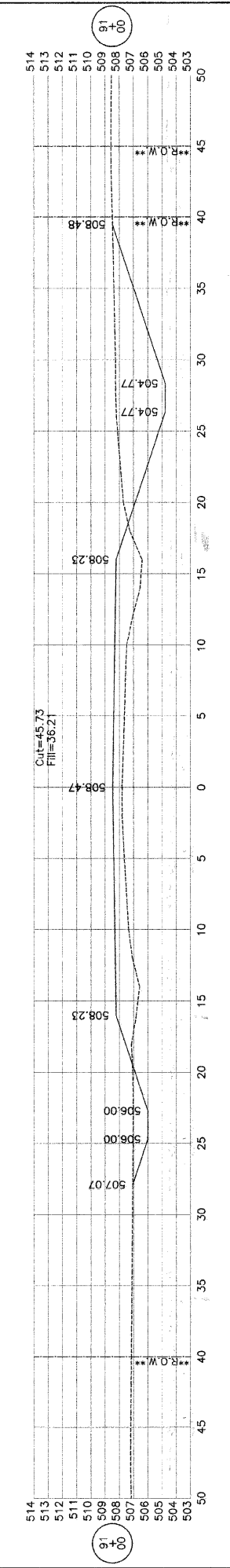
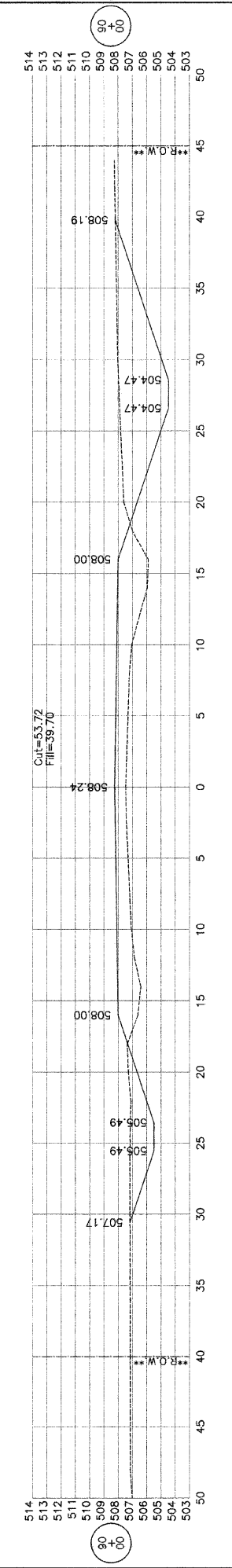
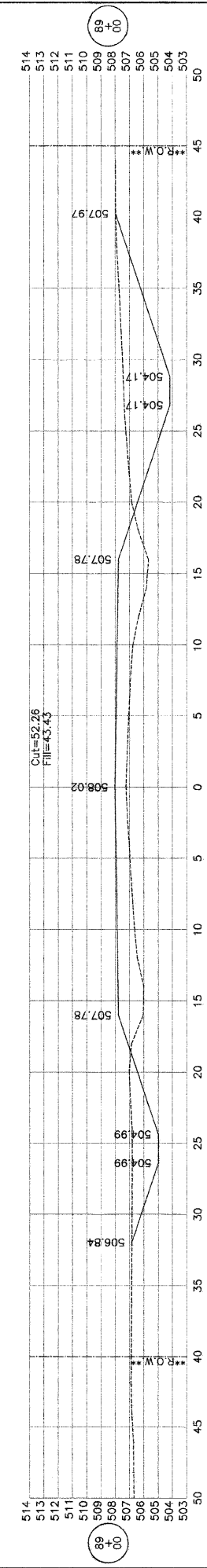
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	17
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



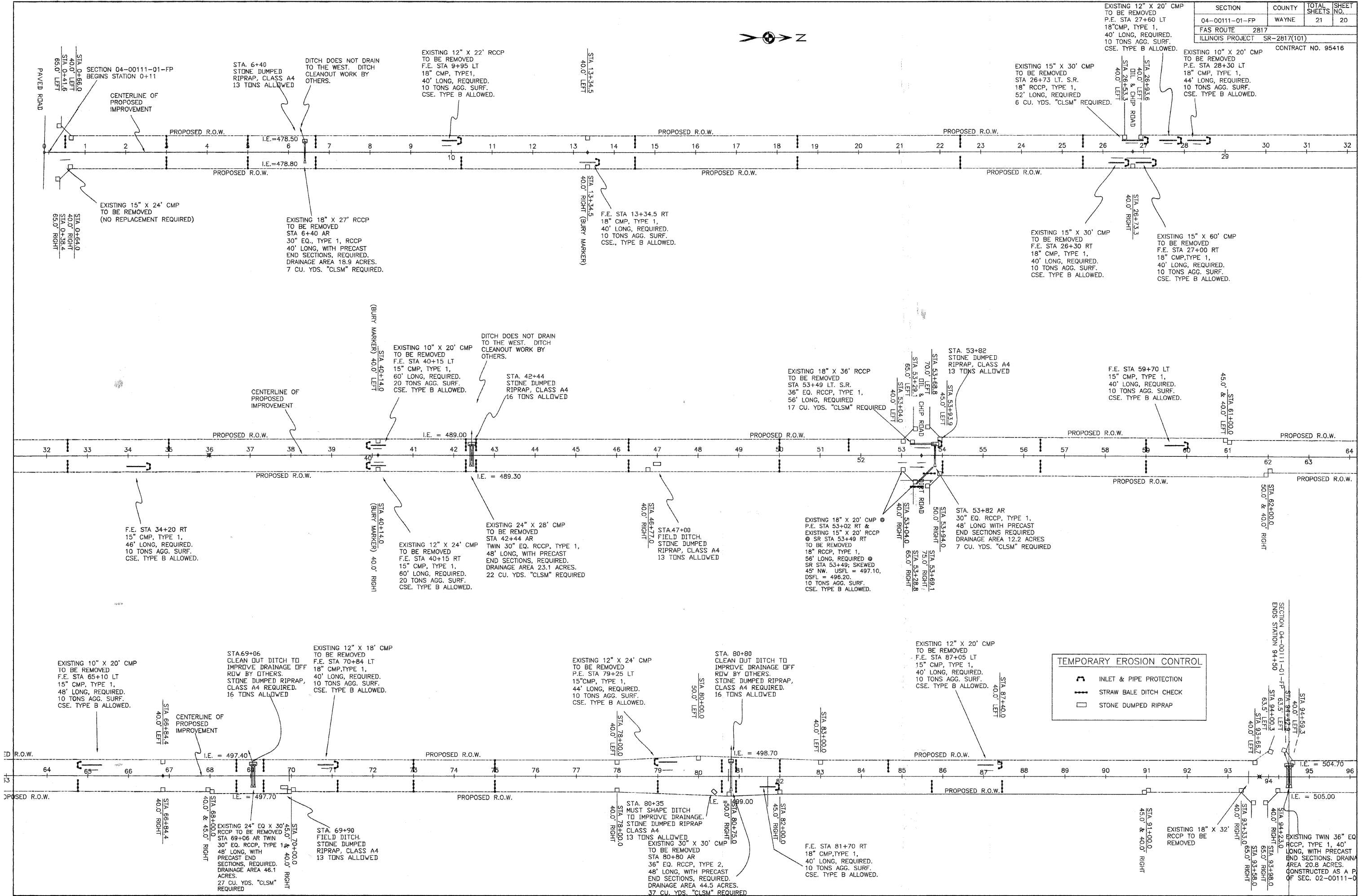
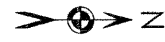
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	18
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	19
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2817(101)			
CONTRACT NO. 95416			



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	20
FAS ROUTE 2817			
ILLINOIS PROJECT SR-2617(101)			
CONTRACT NO. 95416			



TEMPORARY EROSION CONTROL

- INLET & PIPE PROTECTION
- STRAW BALE DITCH CHECK
- STONE DUMPED RIPRAP

STORMWATER 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 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 items 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 basis depending on the contractor's sequence of activities, time of year and the 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. Thereby minimizing the area susceptible to erosion and reducing the amount of temporary seeding. The engineer will determine if temporary erosion control systems shown on the plan can be deleted and if any additional temporary erosion control systems, which are not included in the plans, 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.

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

1. Tree removal and excavation of grass and roots in embankment areas.
2. Excavation and construction of roadway embankment, side ditches and entrances.
3. Construction of culverts.
4. Placement, maintenance, removal and proper cleanup of temporary erosion control such as perimeter erosion control barrier, temporary ditch checks, pipe inlet protection, temporary seeding, etc.
5. Final shaping and grading of slopes along the roadway.
6. Placement of permanent erosion control such as riprap outlet protection, seeding, etc.

AREA OF CONSTRUCTION SITE:

The total area of the construction site is estimated to be 17.8 acres of which 16.5 acres will be disturbed by excavation, grading and other activities.

CONTROLS--EROSION CONTROLS AND SEDIMENT CONTROL:

DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

1. Disturbance of soils shall be confined to areas within the construction limits. The construction limits for this project shall be the right-of-way. Off right-of-way areas shall not be disturbed or used as staging areas.
2. As soon as reasonable access is available to all locations where water drains away from the construction site, temporary ditch checks, pipe inlet protection and perimeter erosion barriers shall be installed as shown on the plans or as directed by the engineer.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. Areas outside the construction limits shall not be disturbed during construction. Areas outside the construction limits shall not be used for staging, parking of vehicles or construction equipment, storage of materials or other construction related activities.
2. 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.
3. 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 14 days after the construction activity in that portion of the site has temporarily or permanently ceased on all disturbed portions of the site where construction activity will not occur for a period of 21 or more calendar days.
4. As construction proceeds, the contractor shall institute the following as directed by the engineer:
 - * Place temporary erosion controls at locations shown on the plans.
 - * Remove existing drainage structures.
 - * Build necessary embankment at proposed culvert locations.
 - * Excavate through embankment and install proposed culverts.
 - * Continue building up the embankment to the proposed grade while at the same time, placing permanent erosion control such as riprap outlet protection and final shaping of slopes.
5. Excavated areas and embankment shall be permanently seeded in accordance with Item 3 of this section.
6. 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 during periods when there is no construction activity.
7. Sediment collected by the various temporary erosion control systems during construction 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 the various temporary erosion control pay items.
8. 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 the 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 grass areas are 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 grass areas shall be reseeded.

MAINTENANCE AFTER CONSTRUCTION:

1. Construction is complete after acceptance by IDOT final inspection. Maintenance up to this date shall be by the contractor.

RIPRAP

CENTER LOCATION BY STATION	REASON RIPRAP REQUIRED	LOCATION LT OR RT LT AND RT	TONS STONE DUMPED RIPRAP, CL A4
6+40	30" EQ AR CULVERT	LT	13
42+44	TWIN 30" EQ AR CULVERT	LT	16
47+00	FIELD DITCH	RT	13
53+82	30" EQ AR CULVERT	LT	13
69+06	TWIN 30" EQ AR CULVERT	LT	16
69+90	FIELD DITCH	RT	13
80+35	FIELD DITCH	RT	13
80+80	36" EQ AR CULVERT	LT	16
	TOTAL		113

INLET & PIPE PROTECTION

CENTER LOCATION BY STATION	LOCATION LT OR RT	PRIVATE (PE) FIELD (FE) ACROSS ROAD (AR) SIDE ROAD (SR)	DESCRIPTION	INLET & PIPE PROTECTION REQUIRED
9+95	LT	FE	40' X 18" DIA CMP	YES
13+34.5	RT	FE	40' X 18" DIA CMP	YES
26+30	RT	FE	40' X 18" DIA CMP	YES
27+00	RT	FE	40' X 18" DIA CMP	YES
27+60	LT	PE	40' X 18" DIA CMP	YES
28+30	LT	PE	44' X 18" DIA CMP	YES
34+20	RT	FE	46' X 15" DIA CMP	YES
40+15	LT	FE	60' X 15" DIA CMP	YES
40+15	RT	FE	60' X 15" DIA CMP	YES
59+70	LT	FE	40' X 15" DIA CMP	YES
65+10	LT	FE	48' X 15" DIA CMP	YES
70+84	LT	FE(WOODS)	40' X 18" DIA CMP	YES
79+25	LT	PE	44' X 15" DIA CMP	YES
81+70	RT	FE	40' X 18" DIA CMP	YES
87+05	LT	FE	40' X 15" DIA CMP	YES
26+73	LT	SR	52' X 18" DIA CMP	YES
53+49	LT	SR	56' X 36" EQ DIA RCCP	YES
		TOTALS		17

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00111-01-FP	WAYNE	21	21
FAS ROUTE 2817		ILLINOIS PROJECT SR-2817(101)	

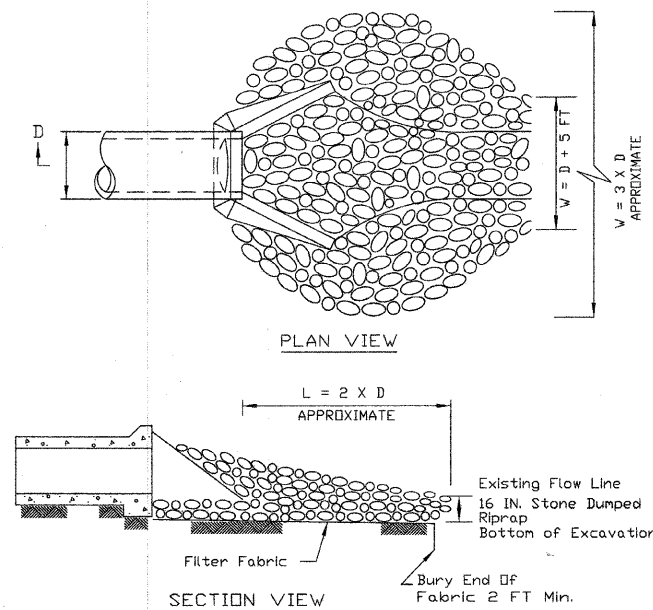
CONTRACT NO. 95416

STRAW BALE DITCH CHECKS

LOCATION BY STATION	LEFT DITCH	RIGHT DITCH	TOTAL
0+50	1	-	1
3+00	1	1	2
5+00	1	1	2
6+60	1	1	2
10+16	-	1	1
14+50	1	1	2
18+50	1	1	2
22+50	1	1	2
25+50	1	1	2
32+50	1	1	2
35+00	1	-	1
42+30	1	1	2
42+55	1	1	2
46+25	1	1	2
50+00	1	1	2
51+75	1	-	1
53+32	-	1	1
53+62	-	1	1
54+00	-	1	1
56+40	1	1	2
59+00	1	1	2
64+83	-	1	1
68+60	1	1	2
69+40	1	1	2
71+06	-	1	1
73+00	1	1	2
75+00	1	1	2
79+00	-	1	1
80+65	1	1	2
80+85	1	1	2
82+00	1	-	1
84+70	1	-	1
85+75	-	1	1
87+40	-	1	1
TOTAL			54

**PIPE OUTLET TO CHANNEL
STONE DUMPED RIPRAP**

Pipe Outlet To Well-Defined Channel



NOTES:

1. The filter fabric shall meet the requirements in Standard Specification for Road and Bridge Construction Art. 1080.03.
2. The rock riprap shall meet the IDOT requirements for the following gradation: A4.
3. The riprap shall be placed according to construction specifications in Standard Specifications for Road and Bridge Construction Section 281 Stone Dumped Riprap.