

F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

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41	STANDARD WHA 1 TYPE A GUTTER (MODIFIED)
42	STANDARD WHA 2 TYPE B GUTTER (MODIFIED)

STANDARDS

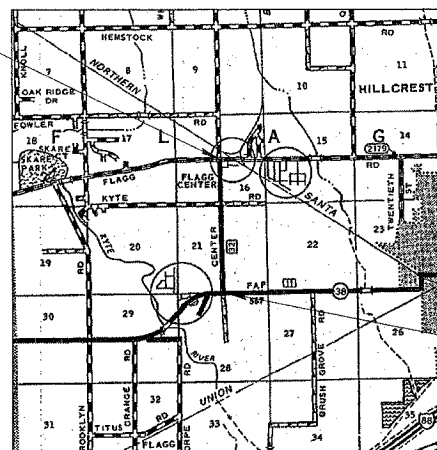
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-01	INLET - TYPE A
604036-01	GRATE TYPE B
666001	RIGHT OF WAY MARKERS
701001-01	OFF-ROAD OPERATIONS, 2L 2W, 4.5 m (15') MIN. AWAY, FOR SPEEDS > 45 MPH
701006-02	OFF-ROAD OPERATIONS, 2L 2W, 4.5 m (15') TO 600 m (24') AWAY FOR SPEEDS > 45 MPH
701301-02	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L 2W, SLOW MOVING DAY ONLY OPERATIONS, FOR SPEEDS > 45 MPH
701311-02	LANE CLOSURE, 2L 2W, MOVING DAY ONLY OPERATIONS
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
BLR 22-4	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 24-1	MAILBOX TURNOUT FOR LOCAL ROADS

STATE OF ILLINOIS
 COUNTY OF OGLE
 PLANS FOR PROPOSED
 LOCAL AGENCY IMPROVEMENTS
 FEDERAL-AID SECONDARY PROJECT
 SECTION 04-00229-00-FP
 CENTER ROAD
 F.A.S. ROUTE 89, C.H. 32
 PROJECT SR-89(102)
 JOB NO. C-92-063-06
 CONTRACT NO. 85378
 2006

NAME AND ADDRESS OF UTILITY	TYPE
NICOR GAS 300 WEST TERRA COTTA AVE. CRYSTAL LAKE, IL 60014 ATTN: IRV KING (800) 750-1172	GAS
VERIZON 112 WEST ELM SYCAMORE, IL 60178 ATTN: ENGINEERING GROUP (800) 483-4600	TELEPHONE
INSIGHT COMMUNICATIONS 115 NORTH GALENA AVENUE DIXON, IL 61021 (815) 284-3389	CABLE T.V.
CITY OF ROCHELLE 420 N. 6TH STREET ROCHELLE, IL 61068 (815) 562-6161	ELECTRIC

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

SECTION 04-00229-00-FP
 ENDS AT STA. 89+65



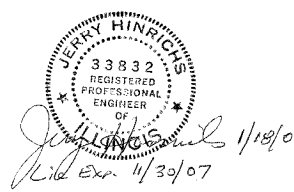
LOCATION MAP
 NET LENGTH = 7,881 FEET = 1.49 MILES

SECTION 04-00229-00-FP
 BEGINS AT STA. 10+84

DESIGN SPEED: 50 MPH - CENTER ROAD		
CLEAR ZONE: 10' BEYOND TOE OF SLOPE		
FUNCTIONAL CLASSIFICATION	HIGHWAY	ADT (2025)
COLLECTOR	CENTER ROAD	2,000 (1% TRUCKS)



APPROVED *[Signature]* 1/18/06
 LOCAL AGENCY OFFICIAL
 APPROVED *[Signature]* Feb. 2, 2006
 DISTRICT ENGINEER OF LOCAL ROADS AND STREETS
 APPROVED FOR BIDDING *[Signature]* Feb. 2, 2006
 DISTRICT ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION



WHA #1053D04

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

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE: I000

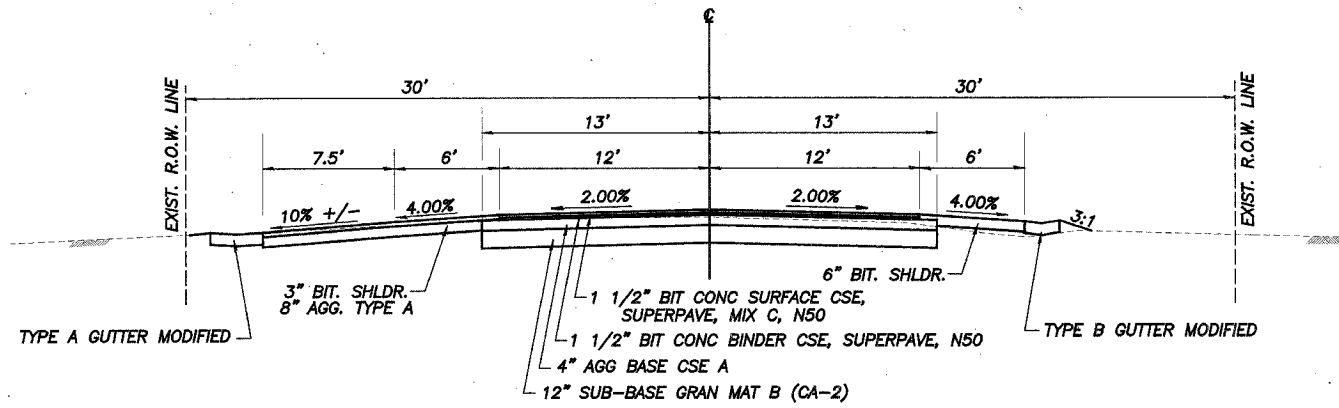
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

	CODE	ITEM	UNIT	TOTAL	
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	66	
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	324	
3	20200410	EARTH EXCAVATION (SPECIAL)	CU YD	13,010	
4	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	
5	25000350	SEEDING, CLASS 7	ACRE	7.08	
6	25000900	SEEDING, CLASS 1 (SPECIAL)	ACRE	1.28	
7	25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	5.80	
8	25100630	EROSION CONTROL BLANKET	SQ YD	1,066	
9	28000300	TEMPORARY DITCH CHECKS	EACH	30	
10	28000400	PERIMETER EROSION BARRIER	FOOT	500	
11	28000500	INLET AND PIPE PROTECTION	EACH	4	
12	31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	16,064	
13	35100100	AGGREGATE BASE COURSE, TYPE A	TON	5,877	
14	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	30	
15	40500300	BITUMINOUS MIXTURE COMPLETE	TON	208	
16	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	13,632	
17	40600300	AGGREGATE (PRIME COAT)	TON	34	
18	48100100	AGGREGATE SHOULDERS, TYPE A	TON	3,521	
19	48202000	BITUMINOUS SHOULDERS SUPERPAVE	TON	248	
20	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	6	
21	542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	179	
22	542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	796	
23	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	
24	60602600	CONCRETE GUTTER, TYPE A (MODIFIED)	FOOT	161	
25	60602900	CONCRETE GUTTER, TYPE B (MODIFIED)	FOOT	203	
26	60603300	GUTTER OUTLET	FOOT	16	
27	66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	21	
28	66600400	REMOVE AND RE-ERECT RIGHT OF WAY MARKERS	EACH	1	
29	67100100	MOBILIZATION	L SUM	1	
30	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	
31	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	728	
32	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	243	
*	33	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	15,930
*	34	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	48
	35	X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	1,958
	36	XX005347	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, N50	TON	1,958
	37	Z0005400	BREAKER-RUN CRUSHED STONE	TON	205

*SPECIALTY ITEMS

TYPICAL SECTIONS

F.A.D. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5585 04-00229-00-FF	OGLE	42	3
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



TYPICAL SECTION
CENTER ROAD
STA. 87+60 TO 89+65

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

STRUCTURAL DESIGN TRAFFIC (S.D.T.) = YEAR 2015 P.V. 1485
S.U. 10 > 1500 ADT
M.U. 5

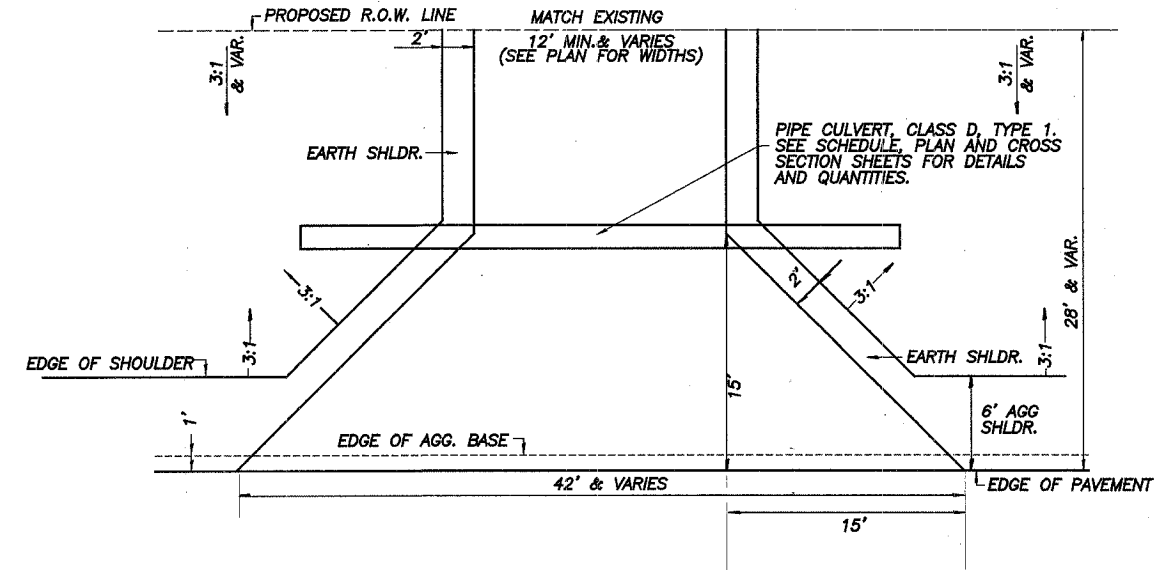
CLASS III ROAD

ASSUME $E_{R1} = 2.0$ KSI
 $T.F. = 0.032$; $E_{AC} = 650$
OGLE COUNTY MIN. 12" ENHANCE BASE BY 4"
USE 1 1/2" BIT. CONC. SURFACE CSE, SUPERPAVE, MIX C, N50
1 1/2" BIT. CONC. BINDER CSE, SUPERPAVE, N50
4" AGGREGATE BASE CSE, TYPE A
12" SUB-BASE GRANULAR MATERIAL, TYPE B (CA-2)

PAVEMENT DESIGN PROCEDURES BUREAU OF LOCAL ROADS AND STREETS MANUAL WAS USED.

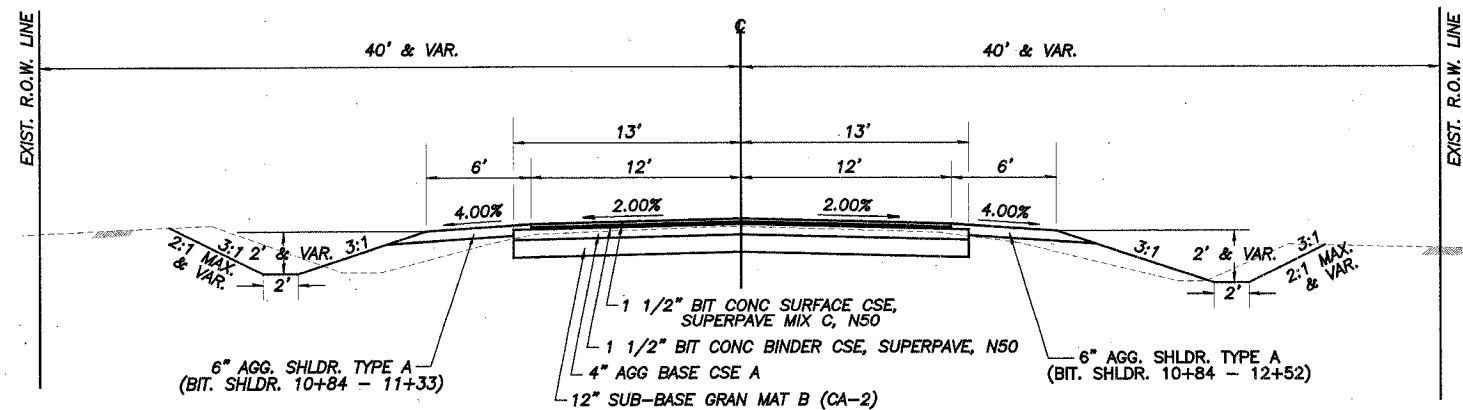
CONSTRUCT PRIVATE ENTRANCES WITH 8" AGGREGATE BASE COURSE, TYPE A (CA-6) AND 3" BITUMINOUS MIXTURE COMPLETE. (SAME FOR MAILBOX TURNOUT)

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



PAVEMENT MIXTURE REQUIREMENTS
CONSTRUCTION

	BINDER / SHOULDER	SURFACE / SHOULDER (TOP 1 1/2")
PG:	PG 58-22	PG 58-22
RAP % (MAX)	25	15
DESIGN AIR VOIDS	3.0 @ N50	3.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 12.5 OR 9.5	IL 12.5 OR 9.5
FRICTION AGGREGATE	N/A	C



TYPICAL SECTION
CENTER ROAD
STA. 10+84 TO 87+60

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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 TO THE CONTRACT. ALL SALVAGED PIPES SHALL REMAIN THE PROPERTY OF THE COUNTY.

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

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

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

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

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

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

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (SPECIAL) (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25% (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
CENTER ROAD STA. 10+84 - 89+65	13,010	9,757	8,291	1,466
TOTALS	13,010	9,757	8,291	1,466

TREE REMOVAL (6 TO 15 UNITS DIAMETER)		
STATION	UNIT	REMARKS
30' R 11+20	8	
29' R 11+80	12	
32' L 32+59	8	
31' L 32+86	10	
31' L 33+12	12	
30' L 33+39	8	
30' L 60+84	8	
PROJECT TOTAL	66	

20100110

TREE REMOVAL (OVER 15 UNITS DIAMETER)		
STATION	UNIT	REMARKS
22' L 58+24	24	
23' L 58+46	36	
23' L 58+62	48	
23' L 59+19	18	
22' L 59+33	40	
24' L 59+51	24	
24' L 59+62	36	
25' R 60+56	32	
29' L 64+86	28	
30' L 65+70	38	
PROJECT TOTAL	324	

20100210

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL		
STATION	CU YD	REMARKS
CONTINGENCY ITEM	100	AS DIRECTED BY THE ENGINEER
PROJECT TOTAL	100	

20201200

SEEDING, CLASS 7		
STATION	ACRE	REMARKS
L & R 10+84 - 89+65	7.08	TEMPORARY SEEDING
PROJECT TOTAL	7.08	

25000350

SEEDING, CLASS 1 (SPECIAL)		
STATION	ACRE	REMARKS
L & R 10+84 - 89+65	1.28	LAWN MIXTURE - SEE SWPPP FOR DETAILS
PROJECT TOTAL	1.28	

25000900

SEEDING, CLASS 2 (SPECIAL)		
STATION	ACRE	REMARKS
L & R 10+84 - 89+65	5.80	ROADSIDE MIXTURE
PROJECT TOTAL	5.80	

25001000

EROSION CONTROL BLANKET		
STATION	SQ YD	REMARKS
L 21+00 - 27+00	533	8' WIDE
R 21+00 - 23+52	240	8' WIDE
R 23+76 - 25+87	188	8' WIDE
R 26+15 - 27+33	105	8' WIDE
PROJECT TOTAL	1,066	

25100630

TEMPORARY DITCH CHECKS		
STATION	EACH	REMARKS
L & R 21+00	2	AS DIRECTED BY THE ENGINEER
L & R 23+00	2	AS DIRECTED BY THE ENGINEER
L & R 25+00	2	AS DIRECTED BY THE ENGINEER
L & R 27+00	2	AS DIRECTED BY THE ENGINEER
L & R 36+00	2	AS DIRECTED BY THE ENGINEER
L & R 48+00	2	AS DIRECTED BY THE ENGINEER
L & R 53+00	2	AS DIRECTED BY THE ENGINEER
L & R 59+00	2	AS DIRECTED BY THE ENGINEER
L & R 63+00	2	AS DIRECTED BY THE ENGINEER
L & R 65+00	2	AS DIRECTED BY THE ENGINEER
L & R 68+00	2	AS DIRECTED BY THE ENGINEER
L & R 71+00	2	AS DIRECTED BY THE ENGINEER
L & R 80+00	2	AS DIRECTED BY THE ENGINEER
L & R 83+00	2	AS DIRECTED BY THE ENGINEER
L & R 87+50	2	AS DIRECTED BY THE ENGINEER
PROJECT TOTAL	30	

28000300

PERIMETER EROSION BARRIER		
STATION	FOOT	REMARKS
R 37+05 - 42+05	500	SET INSIDE OF R.O.W. LINE
PROJECT TOTAL	500	

28000400

INLET AND PIPE PROTECTION		
STATION	EACH	REMARKS
L 11+03	1	18" PIPE CULVERT
R 18+07	1	18" PIPE CULVERT
R 63+80	1	18" PIPE CULVERT
R 85+00	1	INLET T-A
PROJECT TOTAL	4	

28000600

SCHEDULES

F.A. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUB-BASE GRANULAR MATERIAL, TYPE B		
STATION	TON	REMARKS
10+84 - 63+40.72	10,629	12"
63+40.72 - 89+65	5,362	12"
PUBLIC ROAD - 84+51	73	12"
PROJECT TOTAL	16,064	

35101000

AGGREGATE BASE COURSE, TYPE A		
STATION	TON	REMARKS
L 10+84 - 63+40.72	3,543	4"
PER 12+15	36	8" - INCLUDING MB TURNOUT
PER 23+64	29	8"
PER 26+00	42	8" - INCLUDING MB TURNOUT
PER 27+47	40	8"
PER 31+00	28	8"
R 31+07	7	8" - MB TURNOUT
FEL 33+72	50	10"
PER 37+00	36	8"
PER 58+81	29	8"
PER 58+81	40	8" - INCLUDING MB TURNOUT
L 63+40.72 - 89+65	1,559	4"
PER 65+37	29	8" - INCLUDING MB TURNOUT
PER 65+43	36	8"
PER 70+46	31	8"
PER 70+69	41	10"
PER 71+90	31	8"
FEL 76+37	53	10"
FEL 78+20	39	10"
PER 81+79	38	8" - INCLUDING MB TURNOUT
PER 85+55	31	8" - INCLUDING MB TURNOUT
PER 86+07	35	8" - INCLUDING MB TURNOUT
FEL 86+26	42	10"
PER 88+05	8	8"
PUBLIC ROAD - 84+51	24	4"
PROJECT TOTAL	5,877	

35100100

AGGREGATE SURFACE COURSE, TYPE B		
STATION	TON	REMARKS
AS NEEDED BY ENGR.	30	CONTINGENCY ITEM FOR TEMP. ENTR'S.
PROJECT TOTAL	30	

40200800

AGGREGATE PRIME COAT		
STATION	TON	REMARKS
ENTIRE PROJECT	34	3 LBS./S.Y.
PROJECT TOTAL	34	

40600300

BITUMINOUS MIXTURE COMPLETE		
STATION	TON	REMARKS
PER 12+15	14	3" - INCLUDING MB TURNOUT
PER 23+64	12	3"
PER 26+00	17	3" - INCLUDING MB TURNOUT
PER 27+47	16	3"
PER 31+00	11	3"
R 31+07	3	MB TURNOUT
PER 37+00	14	3"
PER 58+81	11	3"
PER 58+81	16	3" - INCLUDING MB TURNOUT
PER 65+37	11	3" - INCLUDING MB TURNOUT
PER 65+43	14	3"
PER 70+46	12	3"
PER 71+90	12	3"
PER 81+79	15	3" - INCLUDING MB TURNOUT
R 84+92	2	MB TURNOUT
PER 85+55	10	3" - INCLUDING MB TURNOUT
PER 86+02	13	3"
PER 88+05	4	3"
CEL 88+81	1	3"
PROJECT TOTAL	208	

40500300

BITUMINOUS MATERIALS (PRIME COAT)		
STATION	GAL	REMARKS
10+84 - 63+40.72	7,193	0.5 GAL/SY ON AGGR
PER 12+15	40	0.5 GAL/SY ON AGGR
PER 23+64	32	0.5 GAL/SY ON AGGR
PER 26+00	46	0.5 GAL/SY ON AGGR
PER 27+47	44	0.5 GAL/SY ON AGGR
PER 31+00	31	0.5 GAL/SY ON AGGR
R 31+07	7	0.5 GAL/SY ON AGGR
PER 37+00	39	0.5 GAL/SY ON AGGR
PER 58+81	32	0.5 GAL/SY ON AGGR
PER 58+81	44	0.5 GAL/SY ON AGGR
63+40.72 - 89+65	3,632	0.5 GAL/SY ON AGGR
PER 65+37	31	0.5 GAL/SY ON AGGR
PER 65+43	40	0.5 GAL/SY ON AGGR
PER 70+46	34	0.5 GAL/SY ON AGGR
PER 71+90	34	0.5 GAL/SY ON AGGR
PER 81+79	42	0.5 GAL/SY ON AGGR
PUBLIC ROAD - 84+51	53	0.5 GAL/SY ON AGGR
R 84+92	7	0.5 GAL/SY ON AGGR
PER 85+55	27	0.5 GAL/SY ON AGGR
PER 86+02	36	0.5 GAL/SY ON AGGR
PER 88+05	10	0.5 GAL/SY ON AGGR
CEL 88+81	2	0.5 GAL/SY ON AGGR
CONTINGENCY	2,176	0.1 GAL/SY ON BIT.
PROJECT TOTAL	13,632	

40600100

AGGREGATE SHOULDERS, TYPE A		
STATION	TON	REMARKS
L 11+33 - 62+180	1,172	6"
R 12+52 - 62+180	1,210	6"
L 64+10 - 87+53	566	6"
R 64+10 - 84+51	489	6"
R 84+51 - 87+57	71	6"
L 89+25 - 89+65	13	6" - FLAGG RD RADIUS
PROJECT TOTAL	3,521	

48100100

BITUMINOUS SHOULDERS SUPERPAVE		
STATION	TON	REMARKS
L 10+84 - 11+33	14	6" COMPLETE
R 10+84 - 12+52	50	6" COMPLETE
L 62+80 - 63+30	21	6" COMPLETE
R 62+80 - 63+30	22	6" COMPLETE
L 63+50 - 64+10	22	6" COMPLETE
R 63+50 - 64+10	22	6" COMPLETE
L 87+53 - 89+65	53	6" COMPLETE
R 87+57 - 89+52	44	6" COMPLETE
PROJECT TOTAL	248	

48202000

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"		
STATION	EACH	REMARKS
L&R 11+70	2	
L&R 18+07	2	
L&R 63+80	2	
PROJECT TOTAL	6	

54213663

PIPE CULVERTS, CLASS A, TYPE 1 18"		
STATION	EACH	REMARKS
11+10	86	
18+07	48	
63+80	45	
PROJECT TOTAL	179	

542A0223

PIPE CULVERTS, CLASS D, TYPE 1 15"		
STATION	EACH	REMARKS
PER 12+15	32	
PER 23+64	30	
PER 26+00	36	
PER 27+47	36	
PER 31+00	28	
FEL 33+72	36	
PER 37+00	34	
PER 58+81	30	
PER 58+81	34	
PER 65+37	28	
PER 65+43	28	
PER 70+46	30	
PER 70+69	32	
PER 71+90	30	
FEL 76+37	38	
FEL 78+20	30	
PER 81+79	34	
R 83+74 - 85+00	126	
PER 85+55	32	
PER 86+07	40	
FEL 86+26	52	
PROJECT TOTAL	796	

542D0220

INLETS, TYPE A, TYPE 8 GRATE		
STATION	EACH	REMARKS
25.70' RT 85+00	1	
PROJECT TOTAL	1	

60236200

CONCRETE GUTTER, TYPE A (MODIFIED)		
STATION	FOOT	REMARKS
L 87+60 - 89+21	161	
PROJECT TOTAL	161	

60602600

CONCRETE GUTTER, TYPE B (MODIFIED)		
STATION	FOOT	REMARKS
R 87+60 - 89+65	203	
PROJECT TOTAL	203	

60602900

GUTTER OUTLET		
STATION	FOOT	REMARKS
R 87+50 - 87+66	16	
PROJECT TOTAL	16	

60603300

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS		
STATION	EACH	REMARKS
33' RT 11+20.76	1	METHOD A
33' RT 12+25.76	1	METHOD A
40' RT 12+25.76	1	METHOD A
40' RT 23+80.06	1	METHOD A
40' RT 29+25.03	1	METHOD A
33' LT 37+01.36	1	METHOD A
40' RT 37+01.40	1	METHOD B
40' RT 57+76.09	1	METHOD A
33' LT 63+07.46	1	METHOD A
40' RT 63+07.72	1	METHOD A
40' LT 63+73.51	1	METHOD A
40' RT 63+73.75	1	METHOD A
40' LT 70+99.20	1	METHOD A
40' LT 76+59.24	1	METHOD A
40' LT 79+87.91	1	METHOD A
30' RT 81+86.92	1	METHOD B
40' RT 81+86.92	1	METHOD B
40' LT 85+70.85	1	METHOD A
30' LT 85+70.89	1	METHOD A
30' LT 89+47.89	1	METHOD A
30' RT 89+48.05	1	METHOD A
PROJECT TOTAL	21	

66600105

SCHEDULES

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	D4-00229-00-FR	OGLE	42	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE AND RE-ERECT RIGHT OF WAY MARKERS		
STATION	EACH	REMARKS
33' LT 11+20.69	1	
PROJECT TOTAL	1	

66600400

MOBILIZATION		
STATION	L SUM	REMARKS
ENTIRE PROJECT	1	
PROJECT TOTAL	1	

67100100

SHORT-TERM PAVEMENT MARKING		
STATION	FOOT	REMARKS
10+84 - 89+65	716	4-40 CL MARKING
KYTE ROAD	12	4-40 CL MARKING
PROJECT TOTAL	728	

70300100

WORK ZONE PAVEMENT MARKING REMOVAL		
STATION	SQ FT	REMARKS
10+84 - 89+65	239	4-40 CL MARKING
KYTE ROAD	4	4-40 CL MARKING
PROJECT TOTAL	243	

70301000

THERMOPLASTIC PAVEMENT MARKING - LINE 4"		
STATION	FOOT	REMARKS
L 10+84 - 63+40.72	5,287	WHITE EDGE LINE
R 10+84 - 63+40.72	5,298	WHITE EDGE LINE
L 63+40.72 - 89+65	2,675	WHITE EDGE LINE
R 63+40.72 - 84+51	2,138	WHITE EDGE LINE
R 84+51 - 89+65	532	WHITE EDGE LINE
PROJECT TOTAL	15,930	

78000200

THERMOPLASTIC PAVEMENT MARKING - LINE 24"		
STATION	FOOT	REMARKS
L 10+86	28	STOP LINE
R 89+54	20	STOP LINE
PROJECT TOTAL	48	

78000650

BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C" N50		
STATION	TON	REMARKS
10+84 - 63+40.72	1,295	1 1/2" - INCLUDING KYTE RD
63+40.72 - 89+65	653	1 1/2" - INCLUDING KYTE RD
PUBLIC ROAD - 84+51	10	1 1/2"
PROJECT TOTAL	1,958	

X4066414

BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, N50		
STATION	TON	REMARKS
10+84 - 63+40.72	1,295	1 1/2" - INCLUDING KYTE RD
63+40.72 - 89+65	653	1 1/2"
PUBLIC ROAD - 84+51	10	1 1/2"
PROJECT TOTAL	1,958	

XX005347

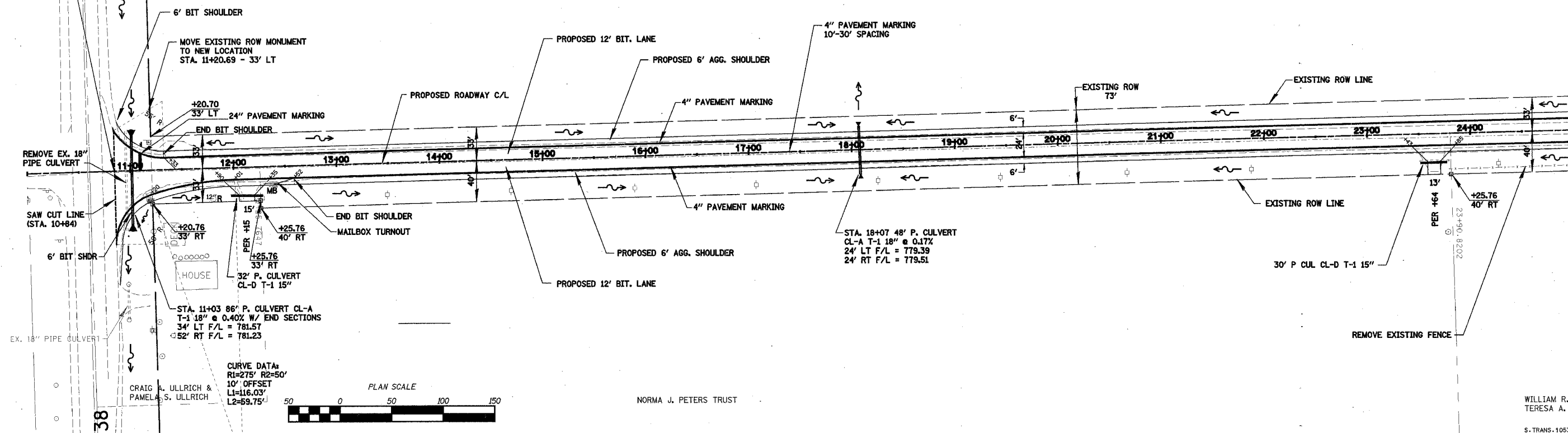
BREAKER-RUN CRUSHED STONE		
STATION	TON	REMARKS
CONTINGENCY ITEM	205	AS DIRECTED BY THE ENGINEER
PROJECT TOTAL	205	

Z0005400

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	7
STA. 10+00		TO STA. 25+00		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		

HARRIS TRUST AND SAVINGS BANK

SECTION BEGINS STA. 10+84

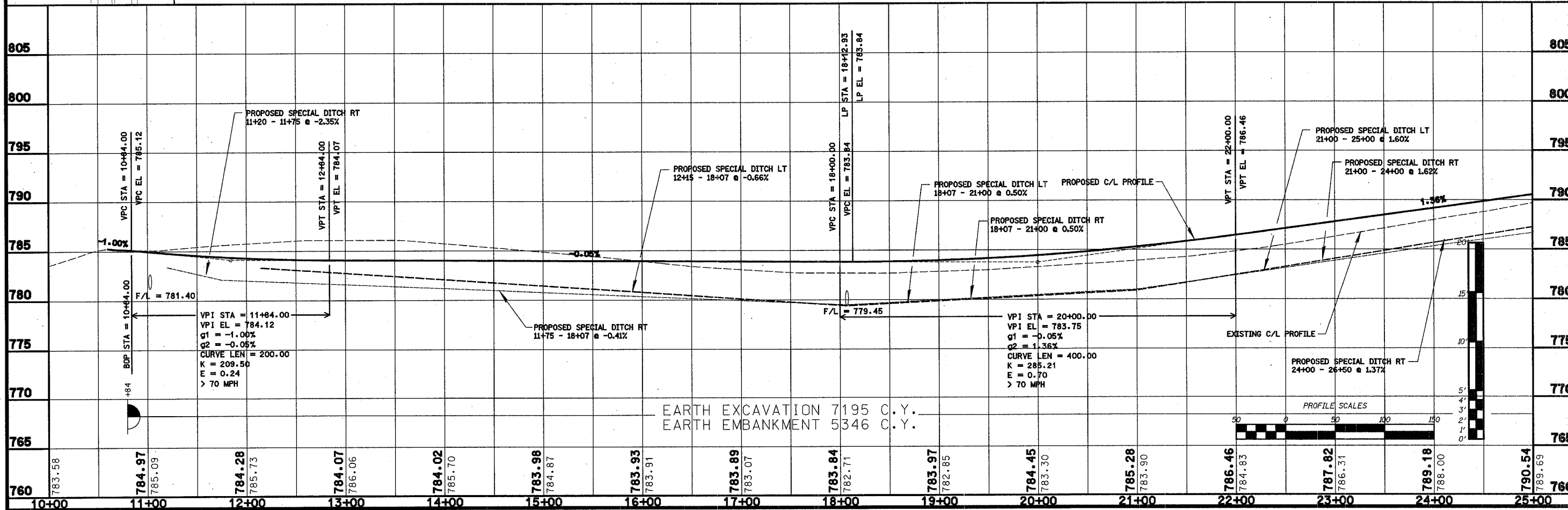


CRAIG A. ULLRICH & PAMELA S. ULLRICH

NORMA J. PETERS TRUST

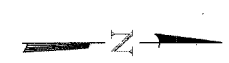
WILLIAM R. KUEHL & TERESA A. KUEHL

S. TRANS. 1053D04-RGP01005

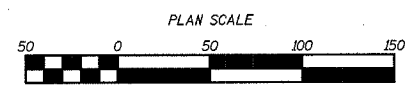
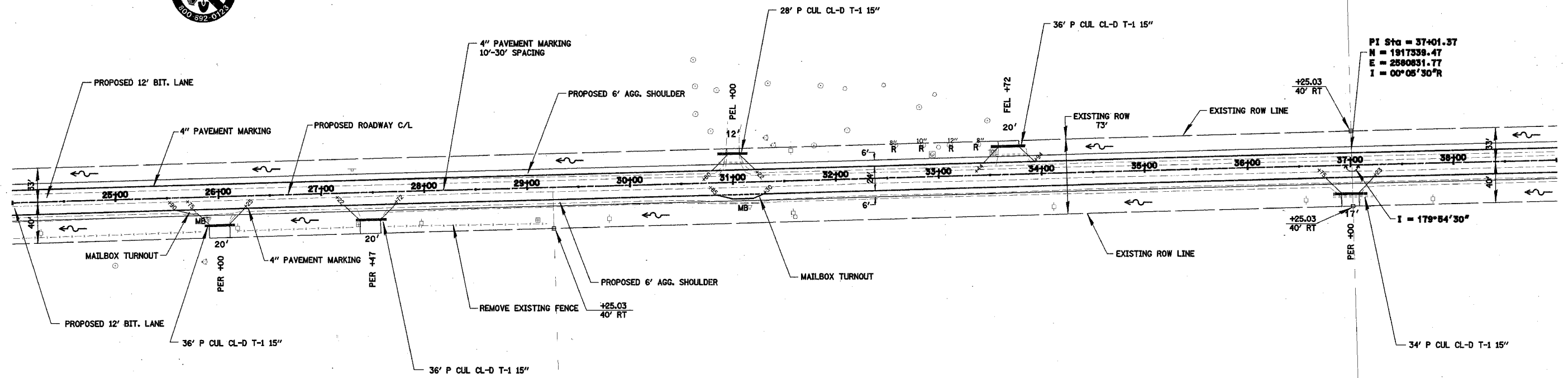


EARTH EXCAVATION 7195 C.Y.
EARTH EMBANKMENT 5346 C.Y.

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	8
STA. 24+00		TO STA. 39+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



HARRIS TRUST AND SAVINGS BANK

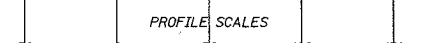
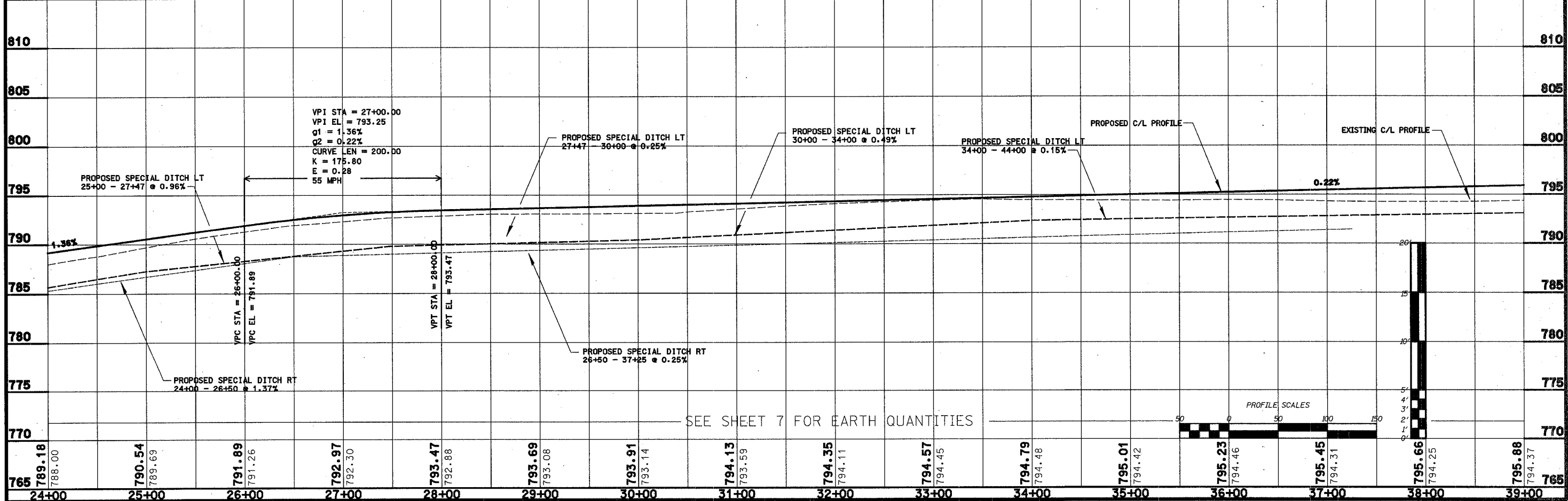


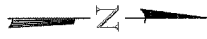
WILLIAM R. KUEHL & TERESA A. KUEHL

THOMAS O. HILL & NANCY L. HILL

JOHN W. KENNAY & CYNTHIA E. KENNAY

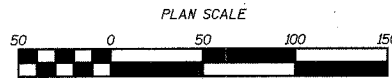
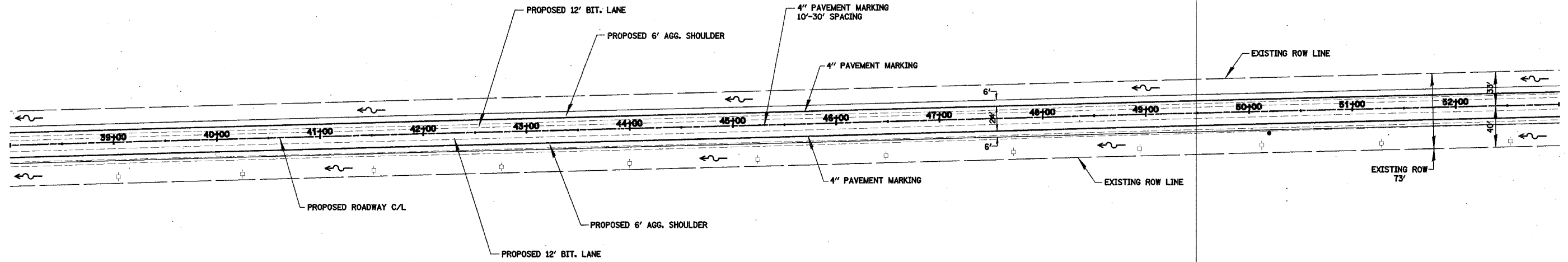
S. TRANS. 1053004 RCP02001





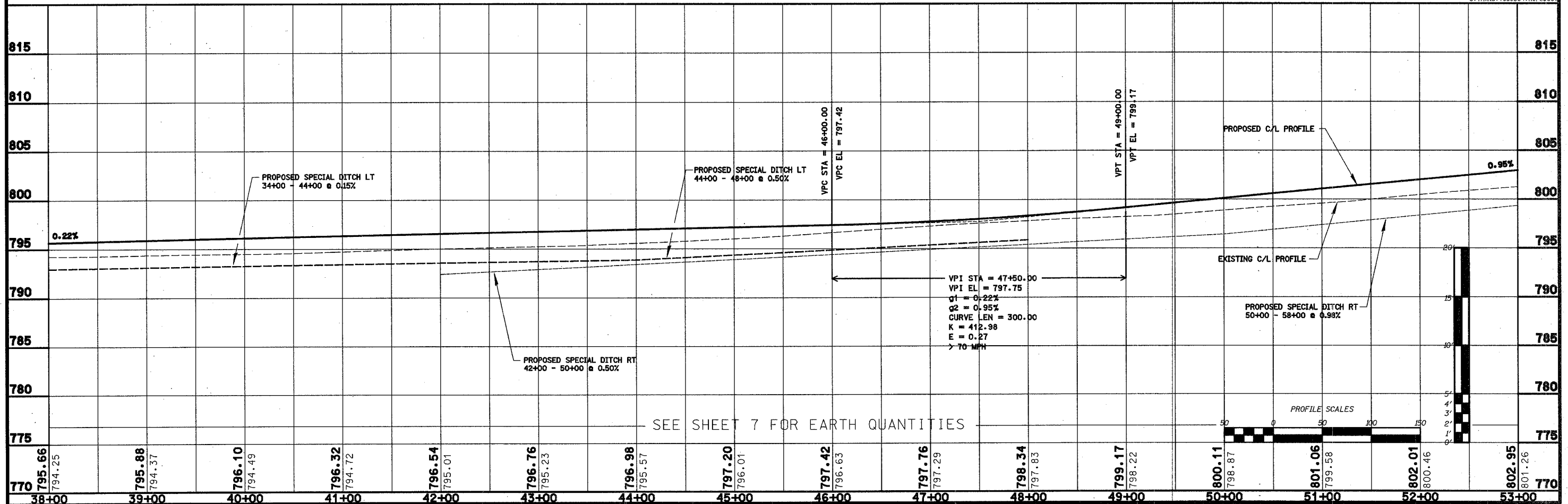
HARRIS TRUST AND SAVINGS BANK

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	9
STA. 38+00		TO STA. 53+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



JOHN W. KENNAY &
CYNTHIA E. KENNAY

S. TRANS. 10530C4, RCP03001



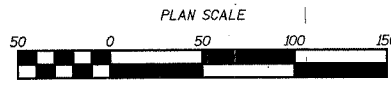
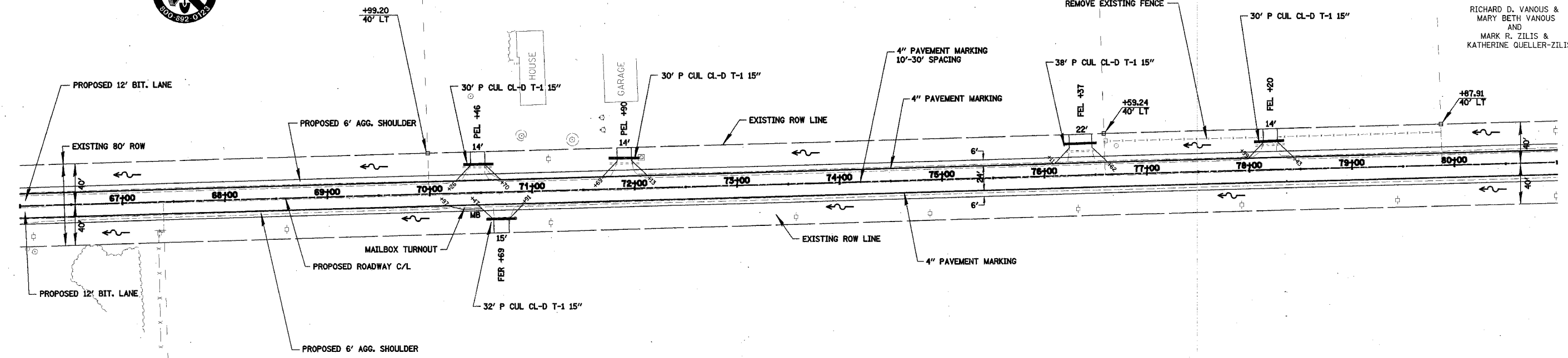
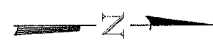
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	11
STA. 66+00		TO STA. 81+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CARL A. SCHABACKER & LULA MAE SCHABACKER

LOREN D. FURMAN & RUTH A. FURMAN

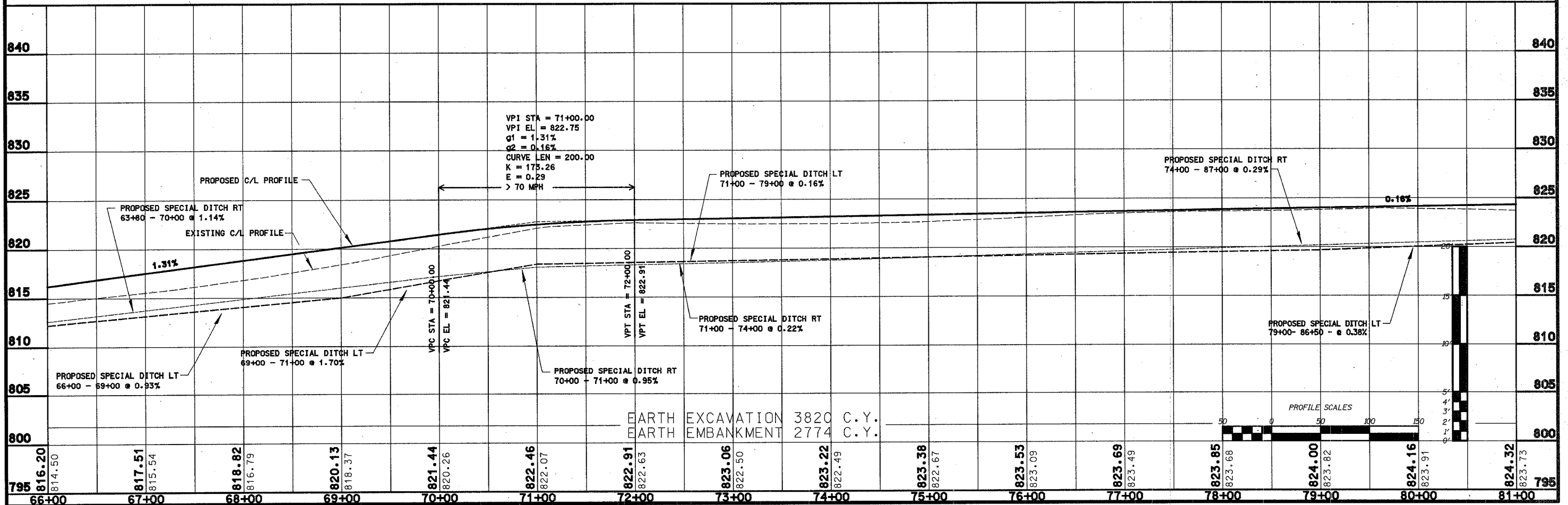
E. I. DUPONT DE NEMOURS AND COMPANY

RICHARD D. VANOUS & MARY BETH VANOUS AND MARK R. ZILIS & KATHERINE QUELLER-ZILIS

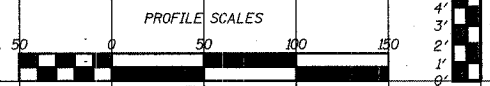


ST. PATRICK'S CATHOLIC CHURCH

S. TRANS. 1053D04 - ROP05001



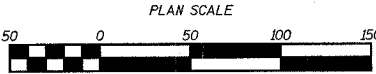
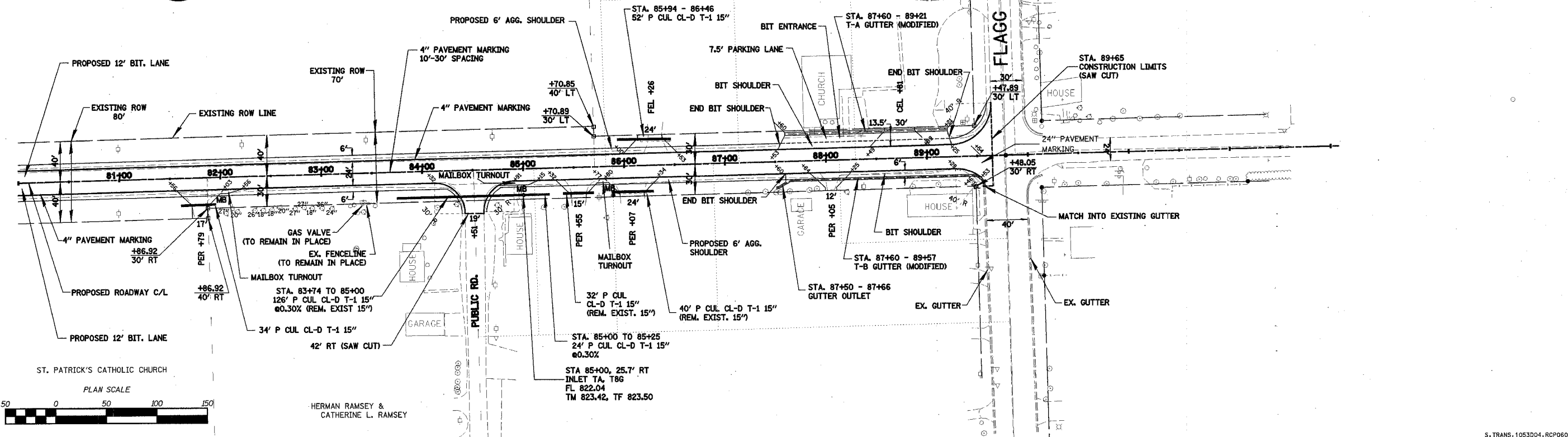
EARTH EXCAVATION 3820 C.Y.
EARTH EMBANKMENT 2774 C.Y.



F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	12
STA. 80+00		TO STA. 89+65		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

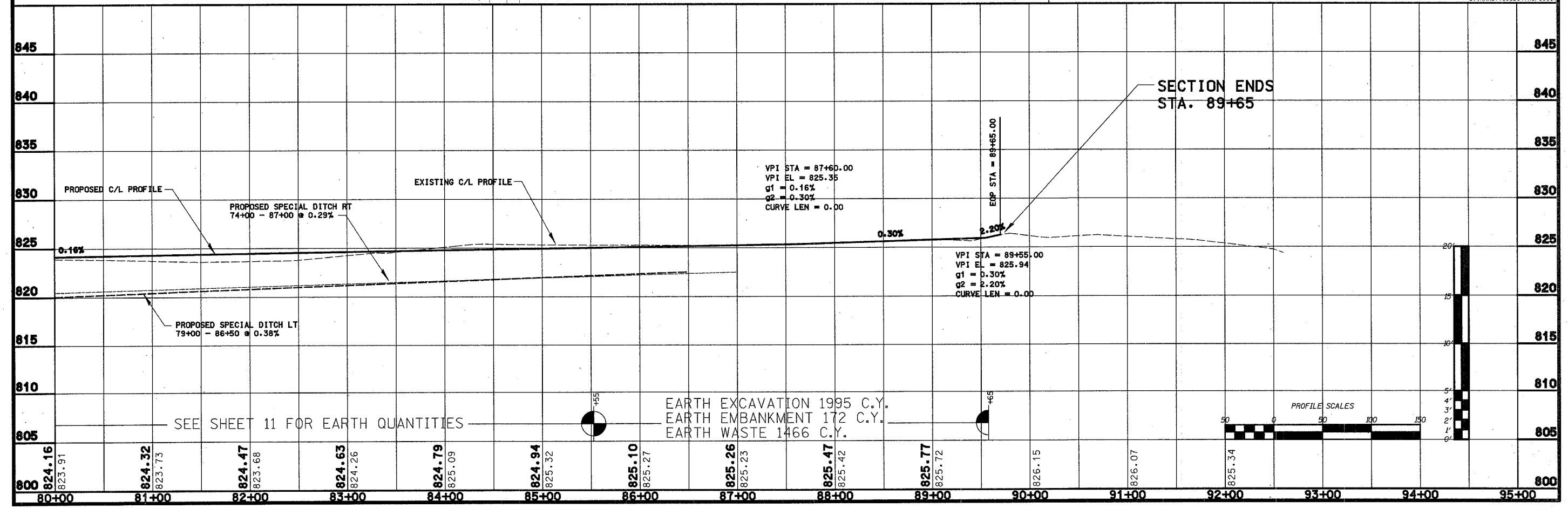


RICHARD D. VANOUS &
MARY BETH VANOUS
AND
MARK R. ZILIS &
KATHERINE QUELLER-ZILIS



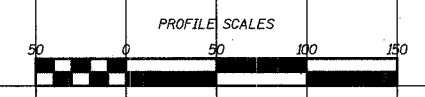
HERMAN RAMSEY &
CATHERINE L. RAMSEY

S. TRANS-1053D04.RCP06001



EARTH EXCAVATION 195 C.Y.
EARTH EMBANKMENT 172 C.Y.
EARTH WASTE 1466 C.Y.

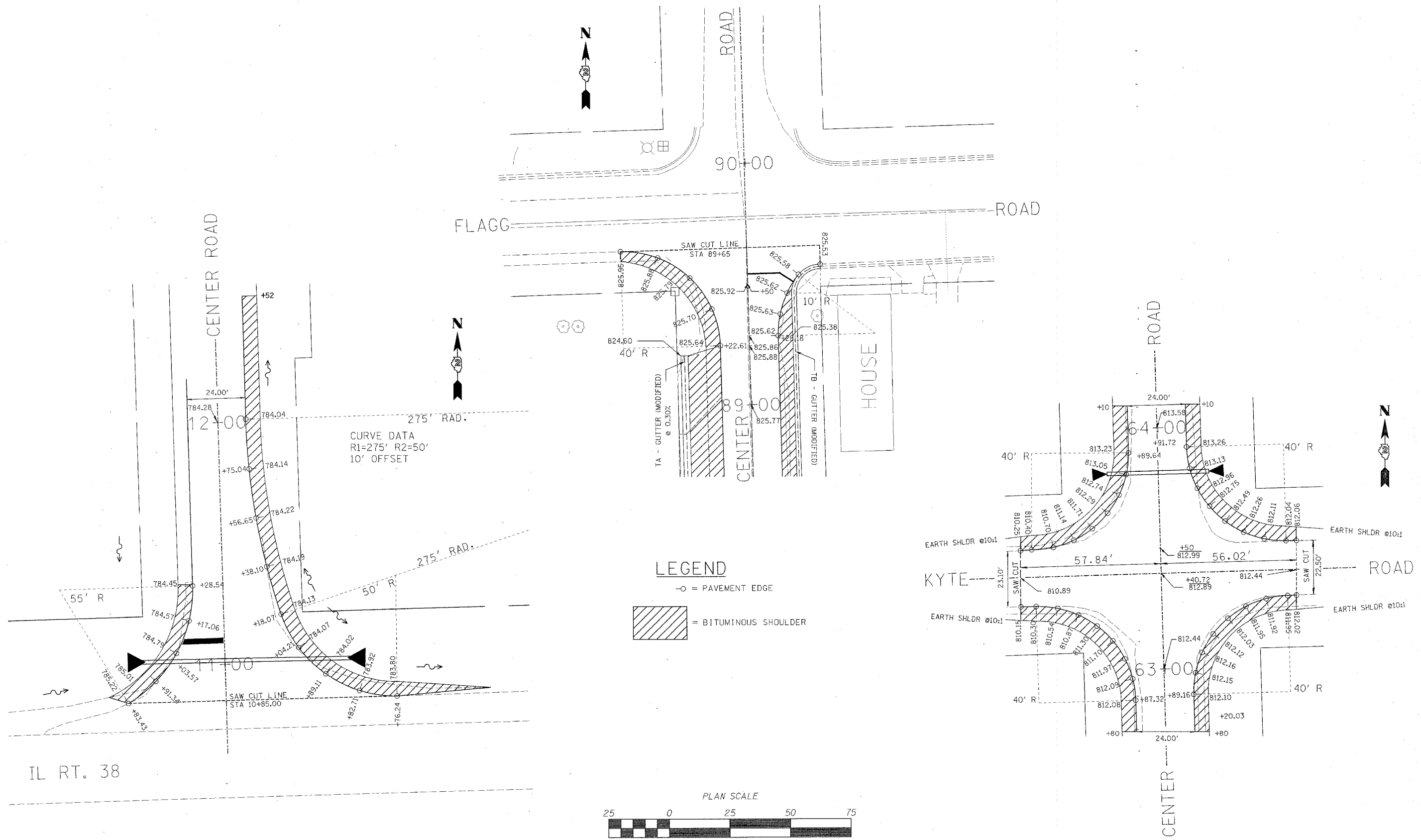
SEE SHEET 11 FOR EARTH QUANTITIES



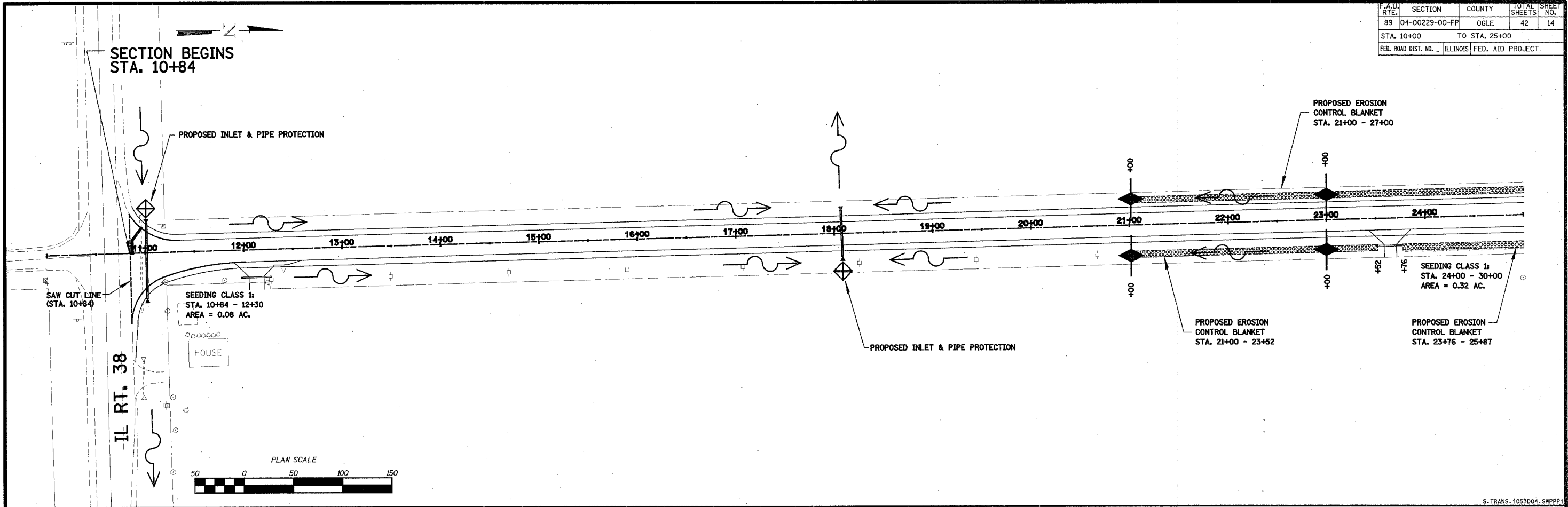
800	824.16 823.91	824.32 823.73	824.47 823.68	824.63 824.26	824.79 825.09	824.94 825.32	825.10 825.27	825.26 825.23	825.47 825.42	825.77 825.72	826.15	826.07	825.34	800		
	80+00	81+00	82+00	83+00	84+00	85+00	86+00	87+00	88+00	89+00	90+00	91+00	92+00	93+00	94+00	95+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

INTERSECTION PAVEMENT ELEVATIONS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	14
STA. 10+00		TO STA. 25+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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 RECONSTRUCTION OF CENTER ROAD FROM IL RT. 38 TO FLAGG ROAD.
2. CONSTRUCTION INCLUDES EARTH EXCAVATION (SPECIAL), 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 7 AS NEEDED AND INSTALL PERIMETER EROSION BARRIER.
2. EARTH EXCAVATION (SPECIAL)
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 14.4 ACRES OF WHICH 14.4 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.

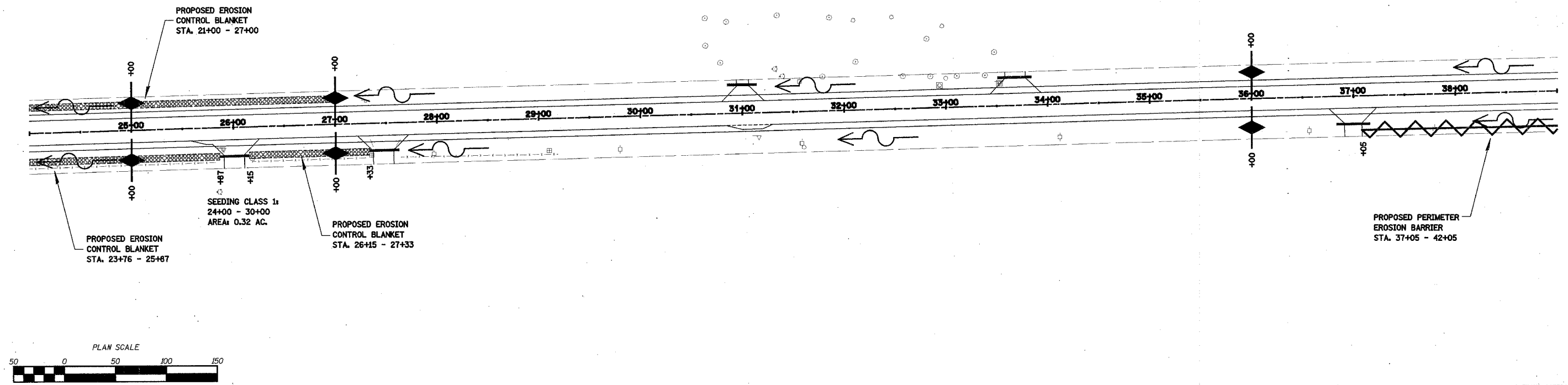
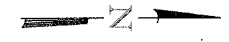
LEGEND

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

STORM WATER POLLUTION PREVENTION PLAN

SHEET 1
WHA #1053D04

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	15
STA. 24+00		TO STA. 39+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



S. TRANS. 1053D04.SWPP2

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE;

1. DITCH OUTLETS AND CULVERT FLOWS INTO TRIBUTARY OF KYTE CREEK.

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

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

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

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

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

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

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

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

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

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

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

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

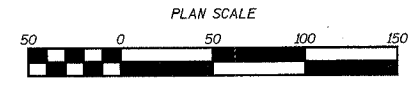
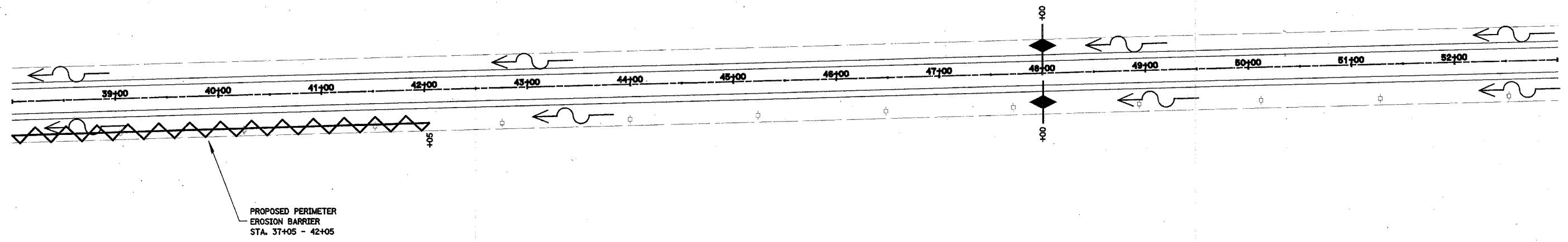
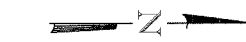
OCLE COUNTY ENGINEER

DATE





STORM WATER POLLUTION PREVENTION PLAN

SHEET 2
WHA #1053D04

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	39	16
STA. 38+00		TO STA. 53+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



S. TRANS. 1053D04.SWPPF3

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

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES, OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS.

AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:

PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.

TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.

CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.

BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.

CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT EROSION CONTROL SUCH AS CONDUCTING FINAL SHPAING TO THE SLOPES.

EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.

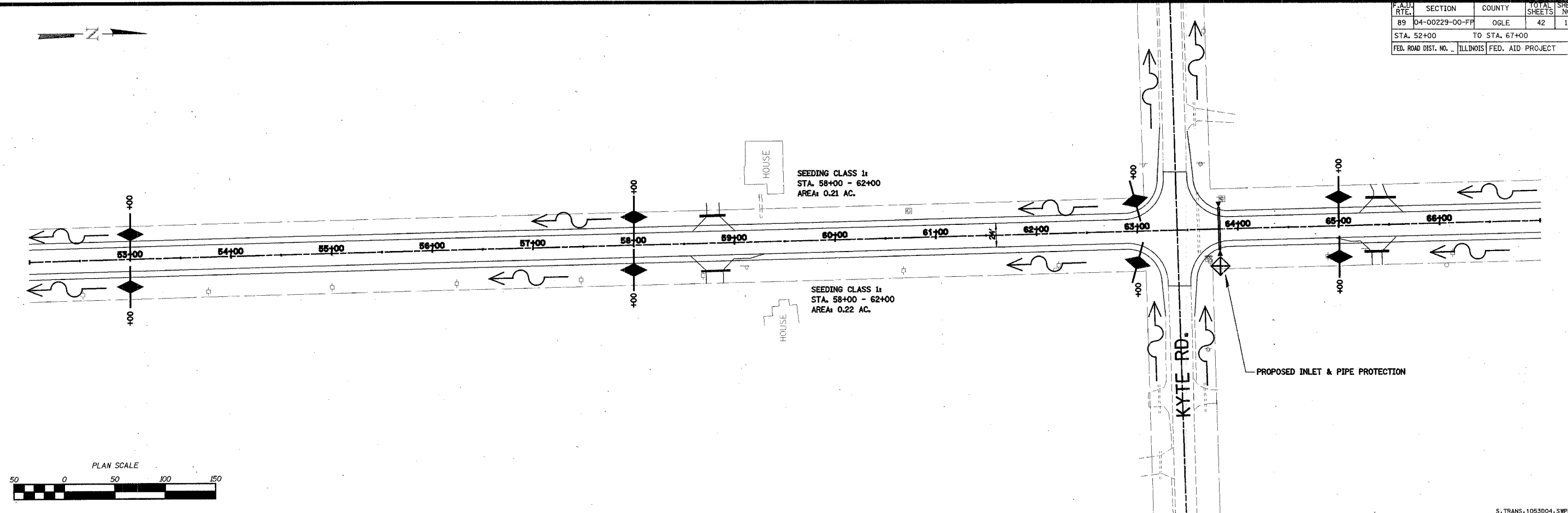
CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2 INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

STORM WATER POLLUTION PREVENTION PLAN

SHEET 3
WHA #1053D04

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	17
STA. 52+00		TO STA. 67+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



S:TRANS-1053D04.SWPP4

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 EARTH EXCAVATION FOR EROSION CONTROL.

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 RESEDED.

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.

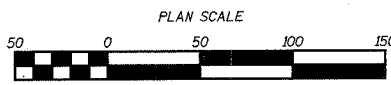
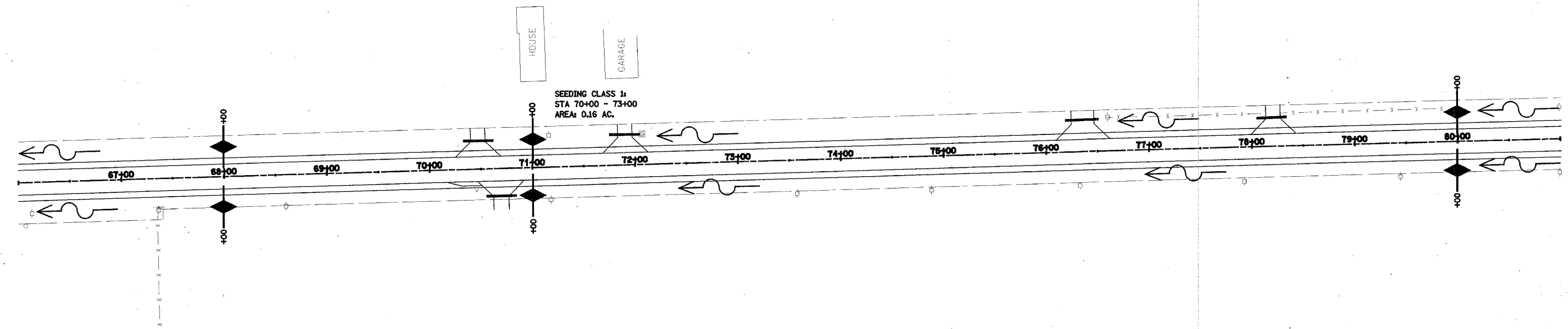
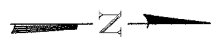
MISCELLANEOUS:

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 114 LBS/ACRES (SEEDING CLASS 7).
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 PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION (SPECIAL).
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
 - ⊕ INLET & PIPE PROTECTION




**STORM WATER
POLLUTION
PREVENTION PLAN**
SHEET 4
WHA #1053D04

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	18
STA. 66+00		TO STA. 81+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



S. TRANS. 1053004. SWPPP5

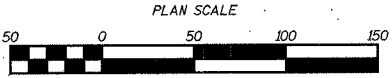
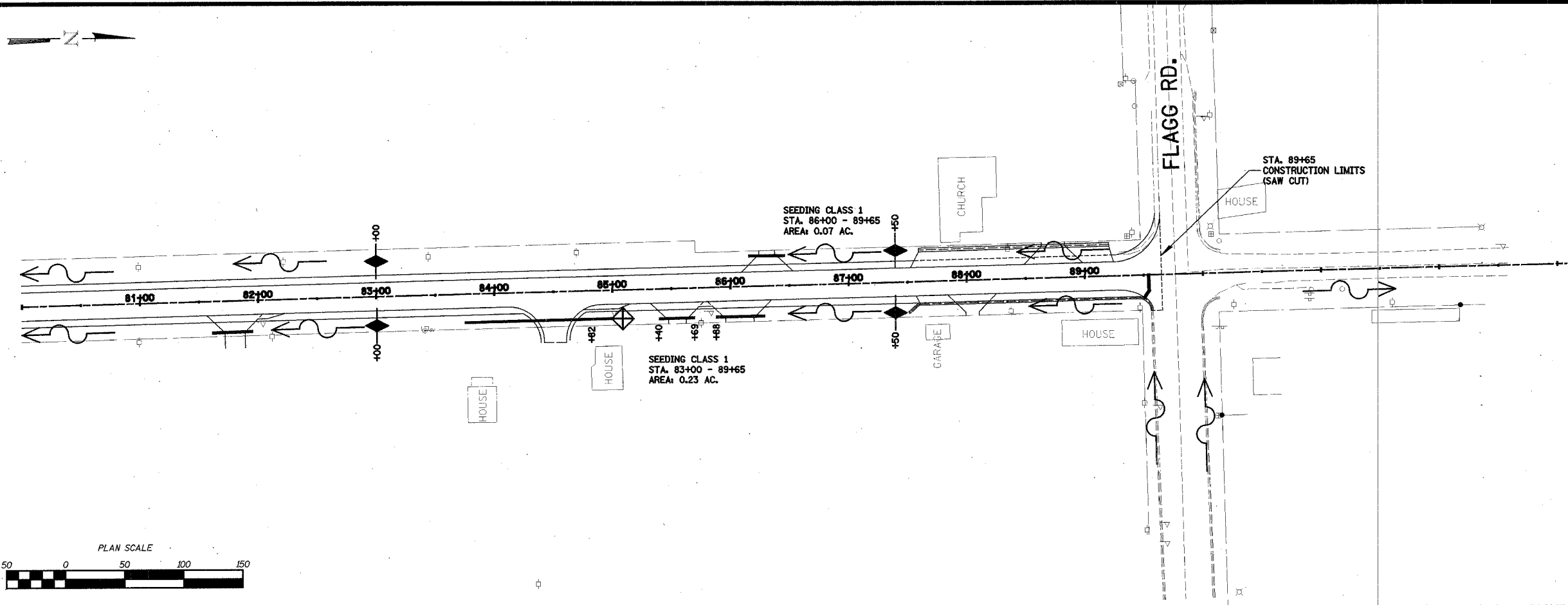
LEGEND

-  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
SHEET 5
WHA #1053004

F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	19
STA. 80+00		TO STA. 89+65		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		



S. TRANS. 1053D04-SWPPP6

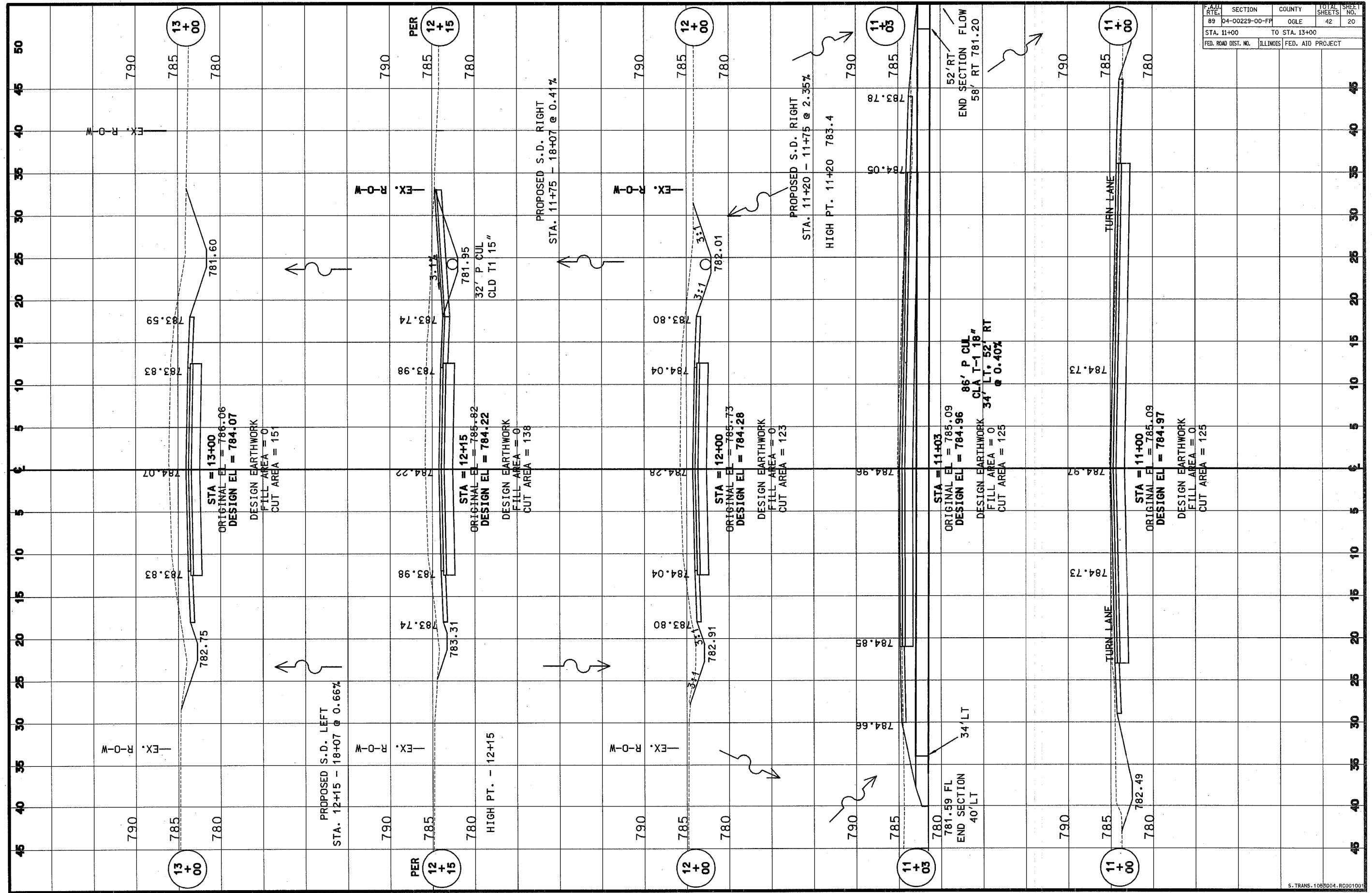
LEGEND

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

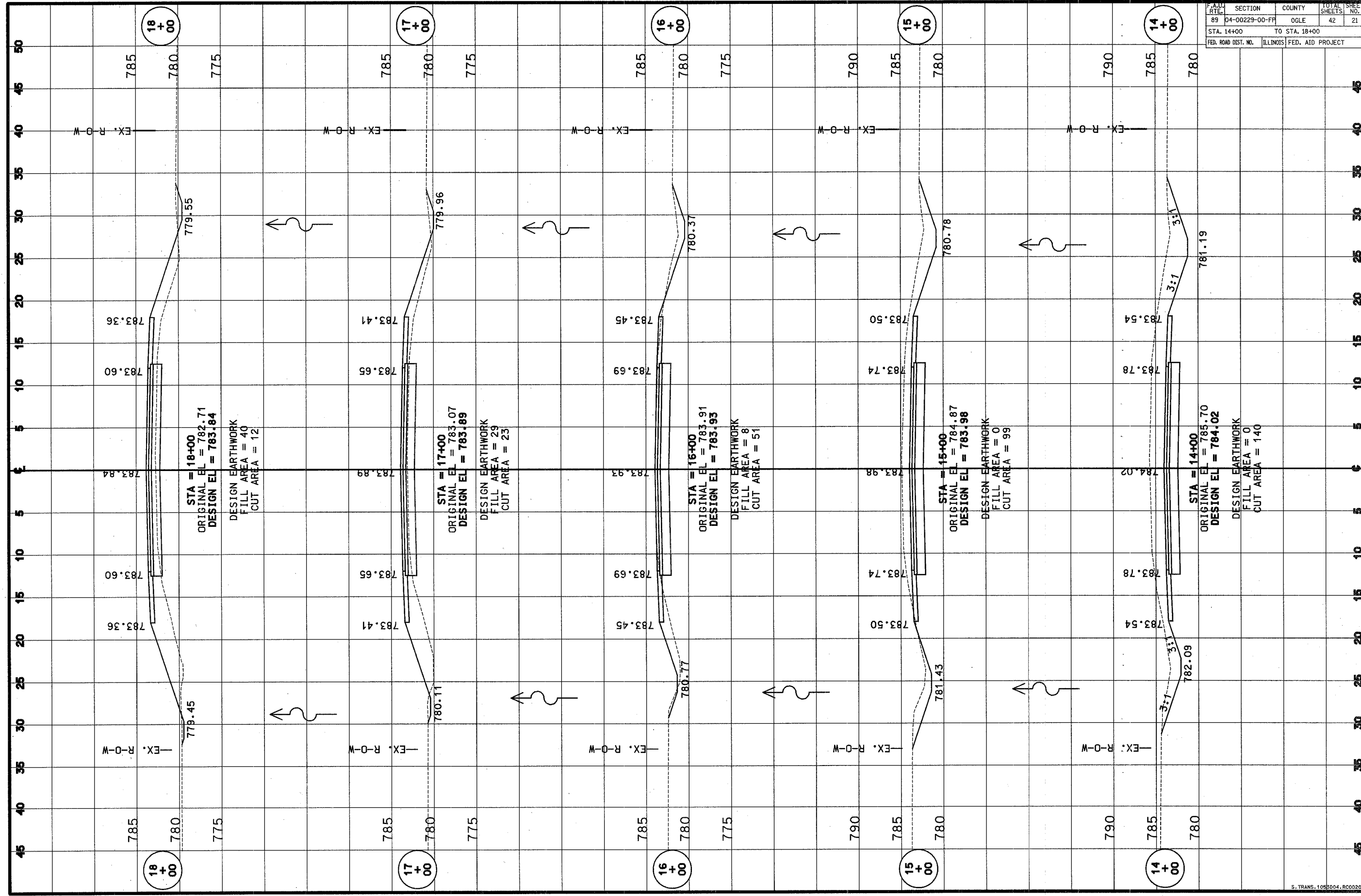
NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.

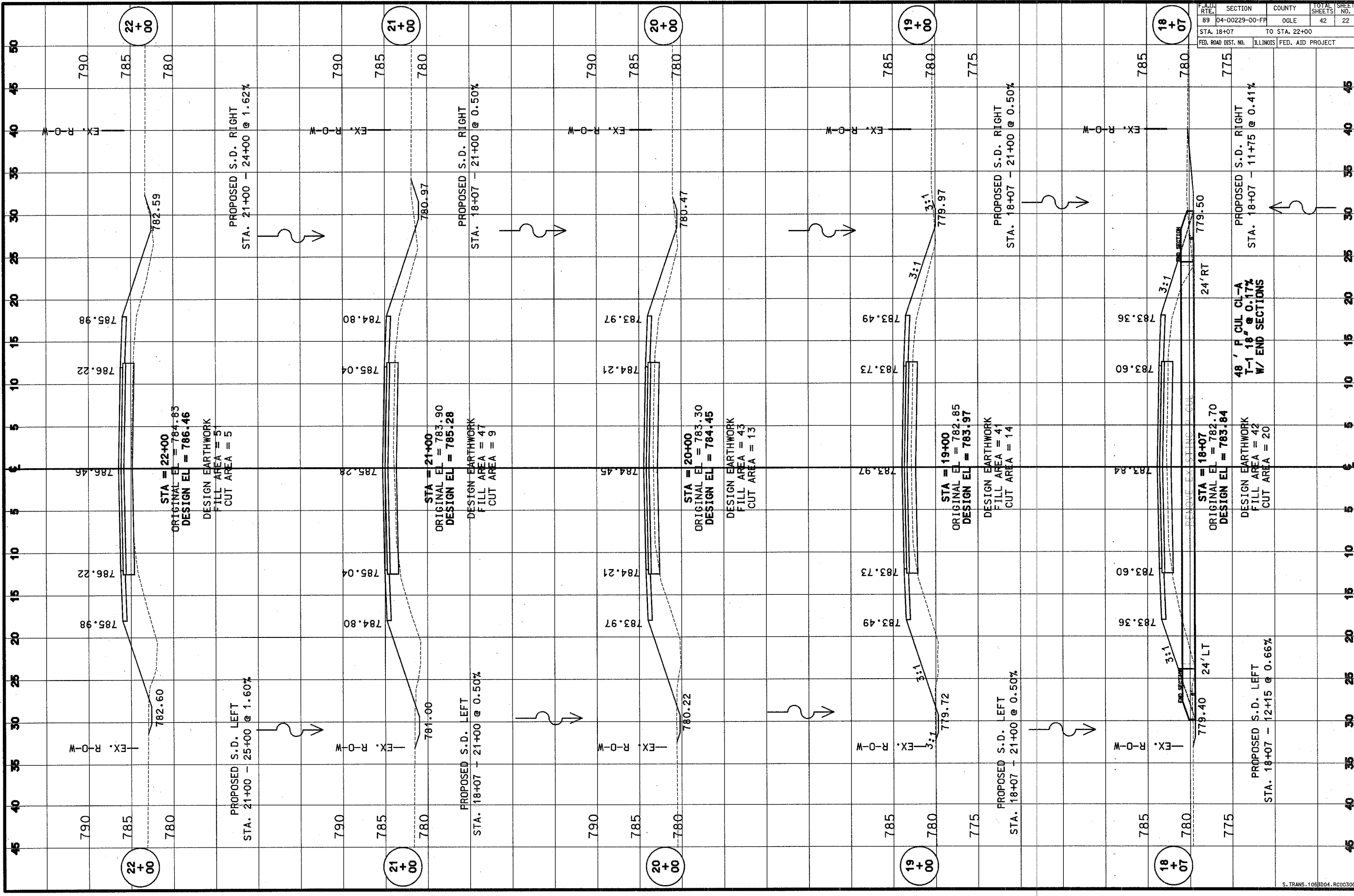
STORM WATER
POLLUTION
PREVENTION PLAN
SHEET 6
WHA #1053D04

F.A. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	20
STA. 11+00		TO STA. 13+00		
ILLINOIS		FED. AID PROJECT		

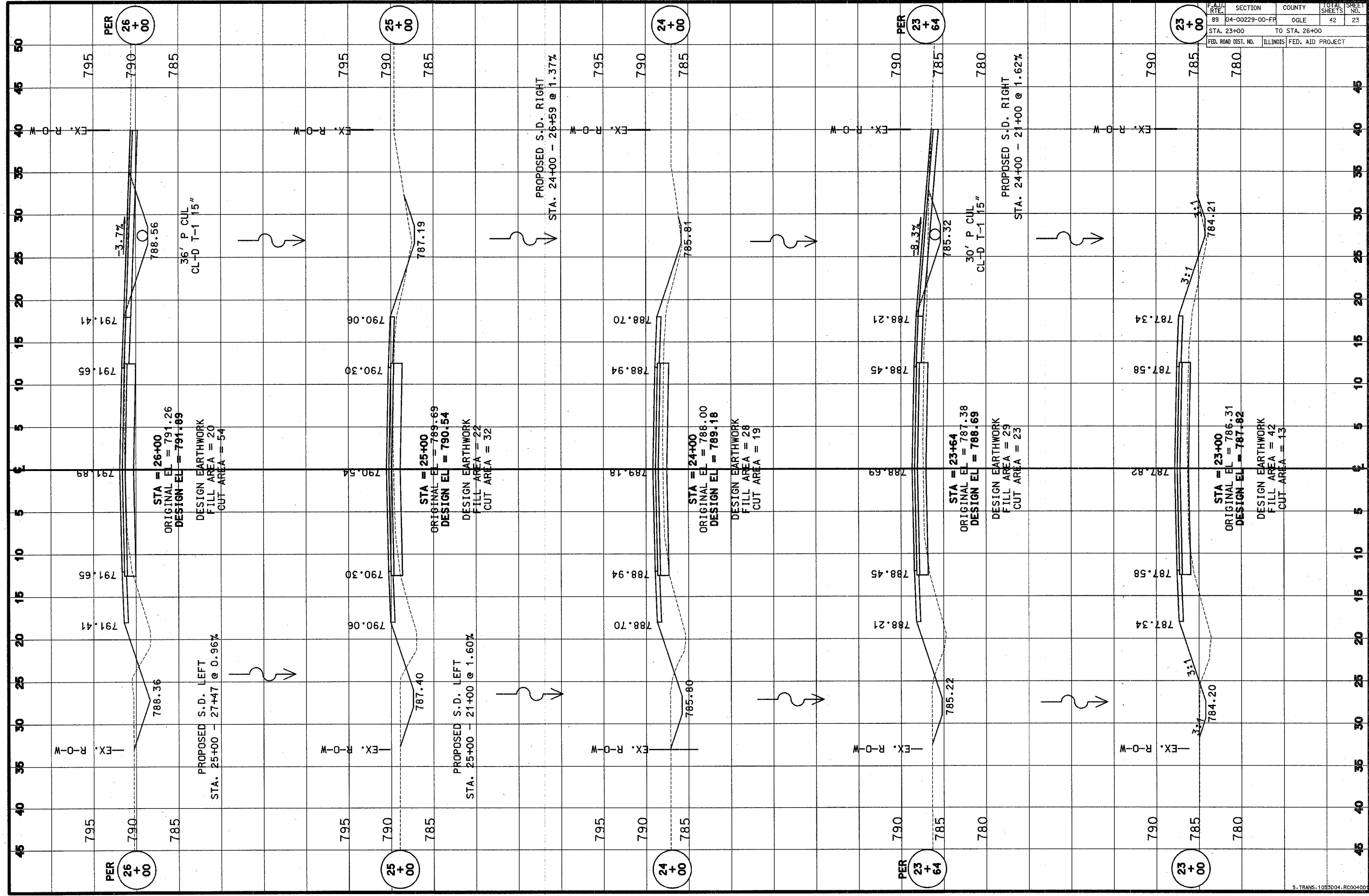


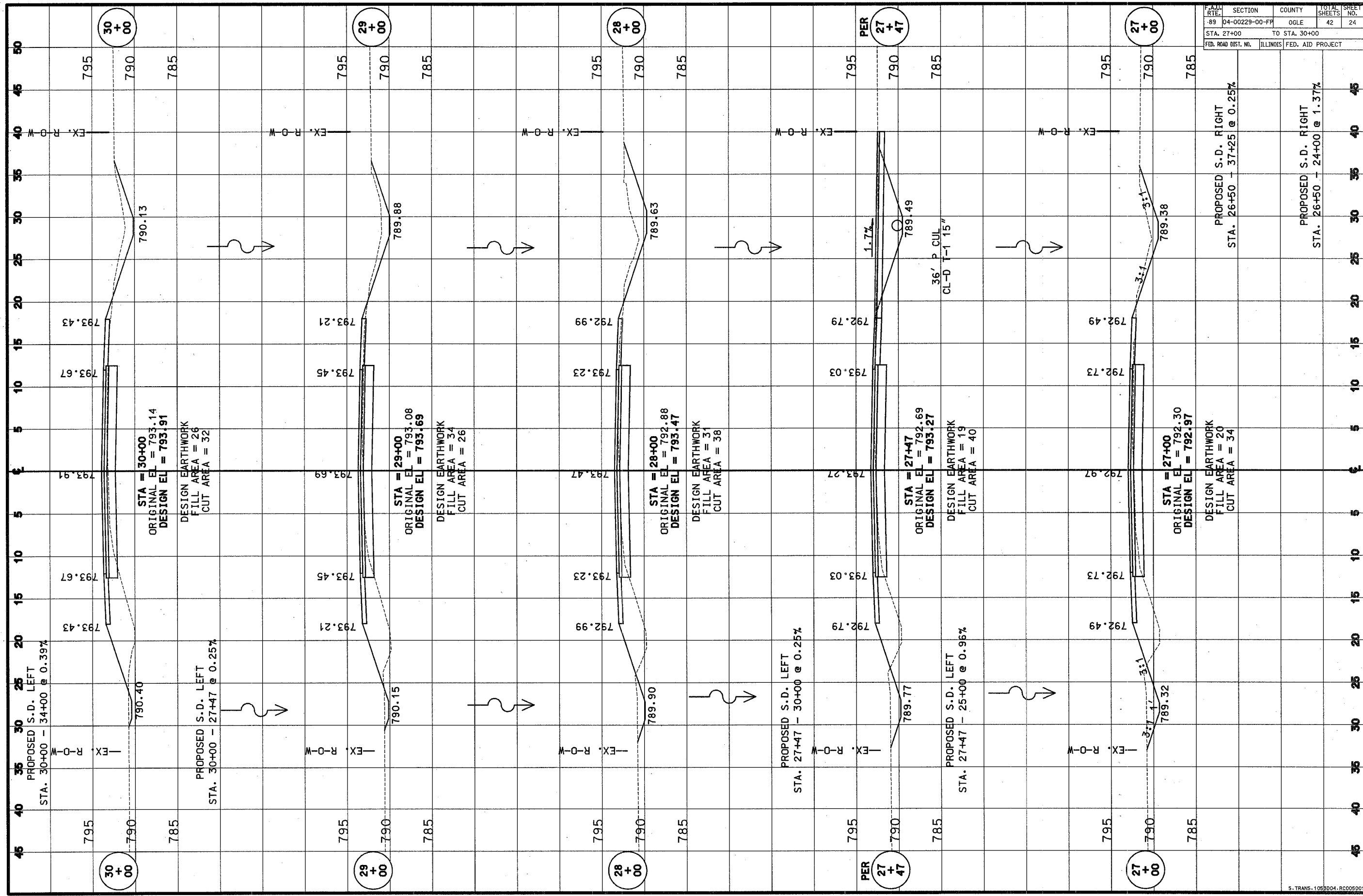
PLAN SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	21
STA. 14+00		TO STA. 18+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	





PLAN FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FR	OGLE	42	22
STA. 18+07		TO STA. 22+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

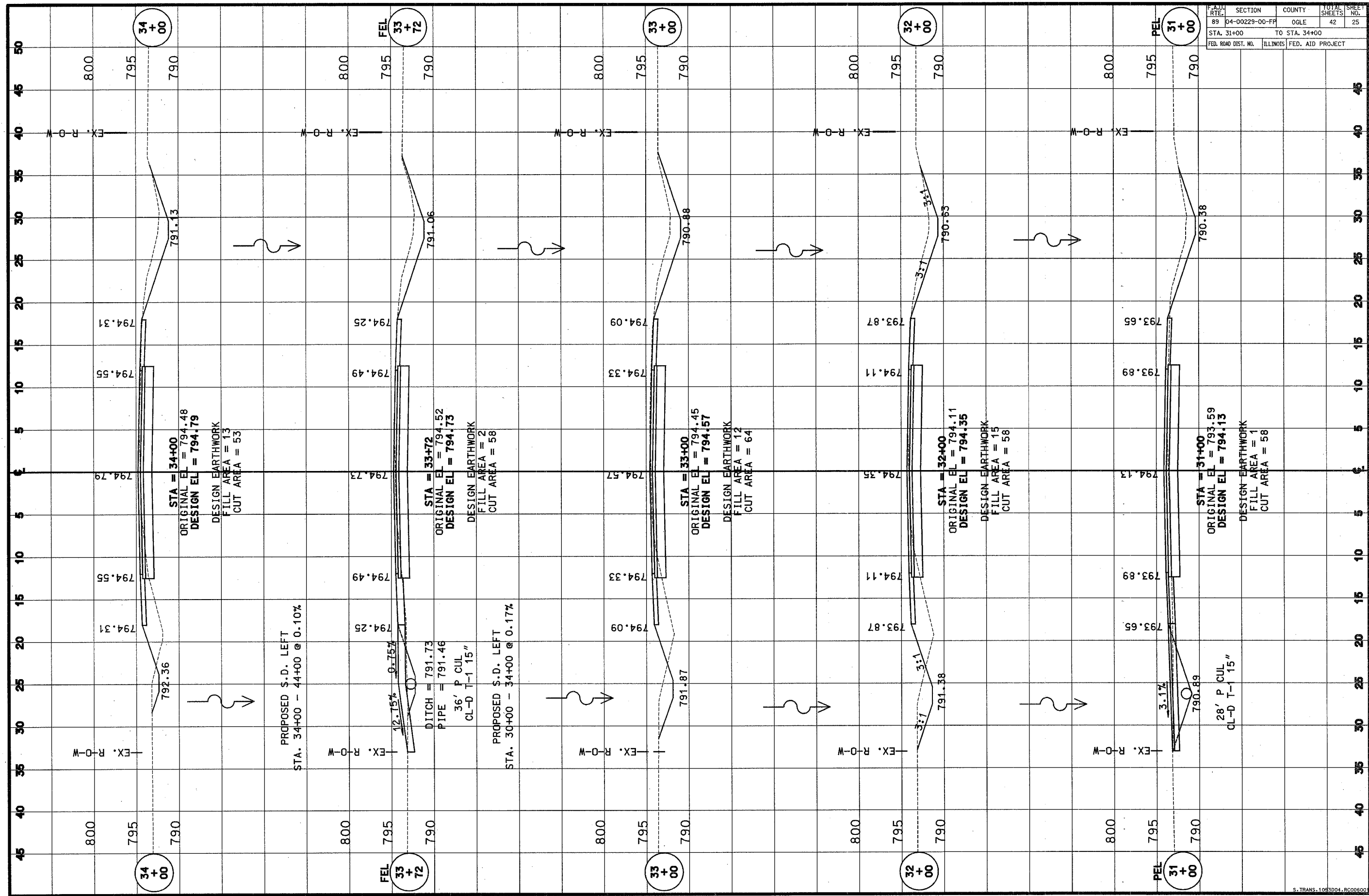




F.A.U. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	24
STA. 27+00		TO STA. 30+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PROPOSED S.D. RIGHT
 STA. 26+50 - 37+25 @ 0.25%

PROPOSED S.D. RIGHT
 STA. 26+50 - 24+00 @ 1.37%



STA = 34+00
 ORIGINAL EL = 794.48
 DESIGN EL = 794.79
 DESIGN EARTHWORK
 FILL AREA = 13
 CUT AREA = 53

PROPOSED S.D. LEFT
 STA. 34+00 - 44+00 @ 0.10%

STA = 33+72
 ORIGINAL EL = 794.52
 DESIGN EL = 794.73
 DESIGN EARTHWORK
 FILL AREA = 2
 CUT AREA = 58

12.15% 0.75%
 DITCH = 791.73
 PIPE = 791.46
 36' P CUL
 CL-D T-1 15"

PROPOSED S.D. LEFT
 STA. 30+00 - 34+00 @ 0.17%

STA = 33+00
 ORIGINAL EL = 794.45
 DESIGN EL = 794.57
 DESIGN EARTHWORK
 FILL AREA = 12
 CUT AREA = 64

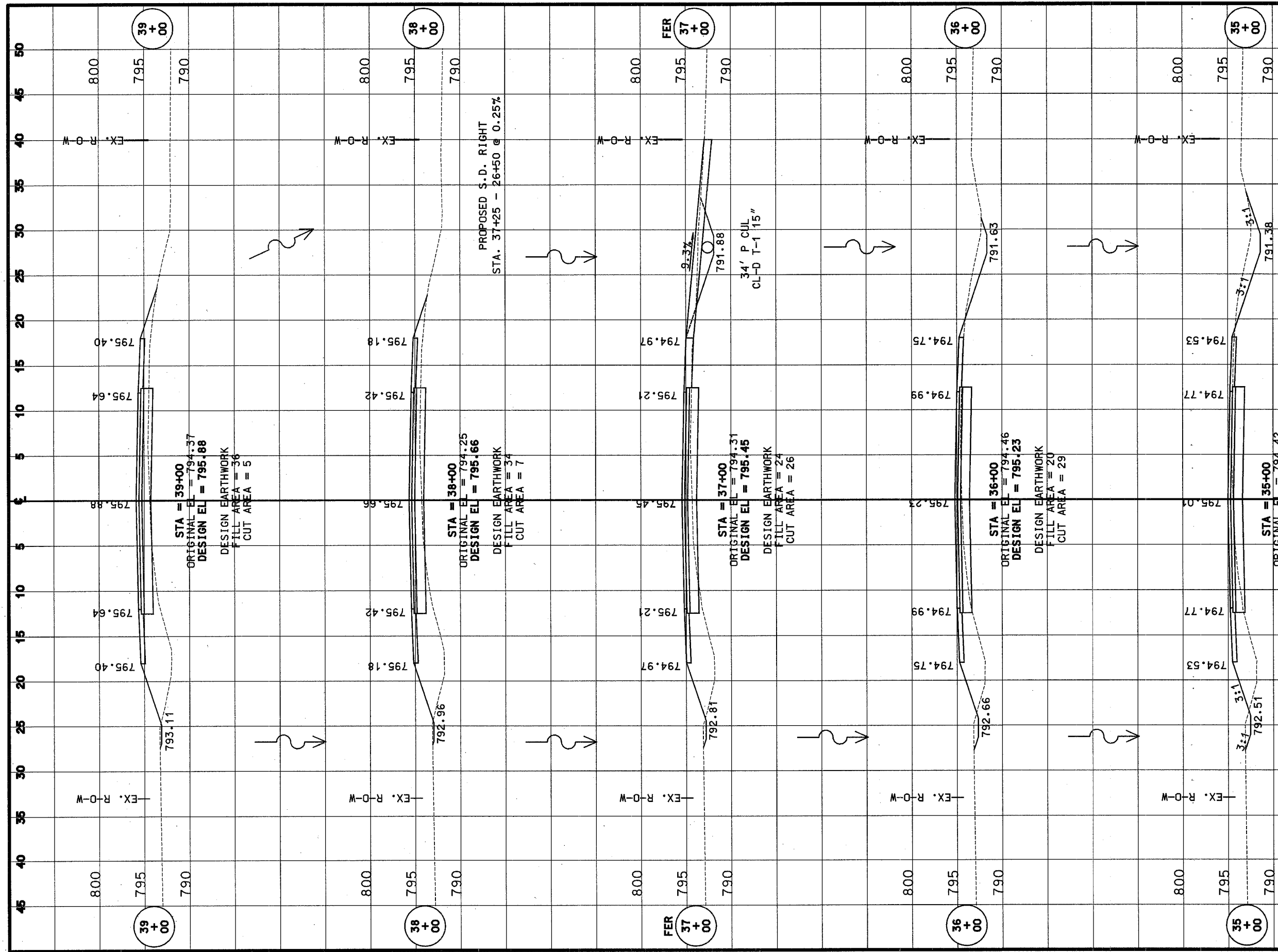
STA = 32+00
 ORIGINAL EL = 794.11
 DESIGN EL = 794.35
 DESIGN EARTHWORK
 FILL AREA = 15
 CUT AREA = 58

STA = 31+00
 ORIGINAL EL = 793.59
 DESIGN EL = 794.13
 DESIGN EARTHWORK
 FILL AREA = 1
 CUT AREA = 58

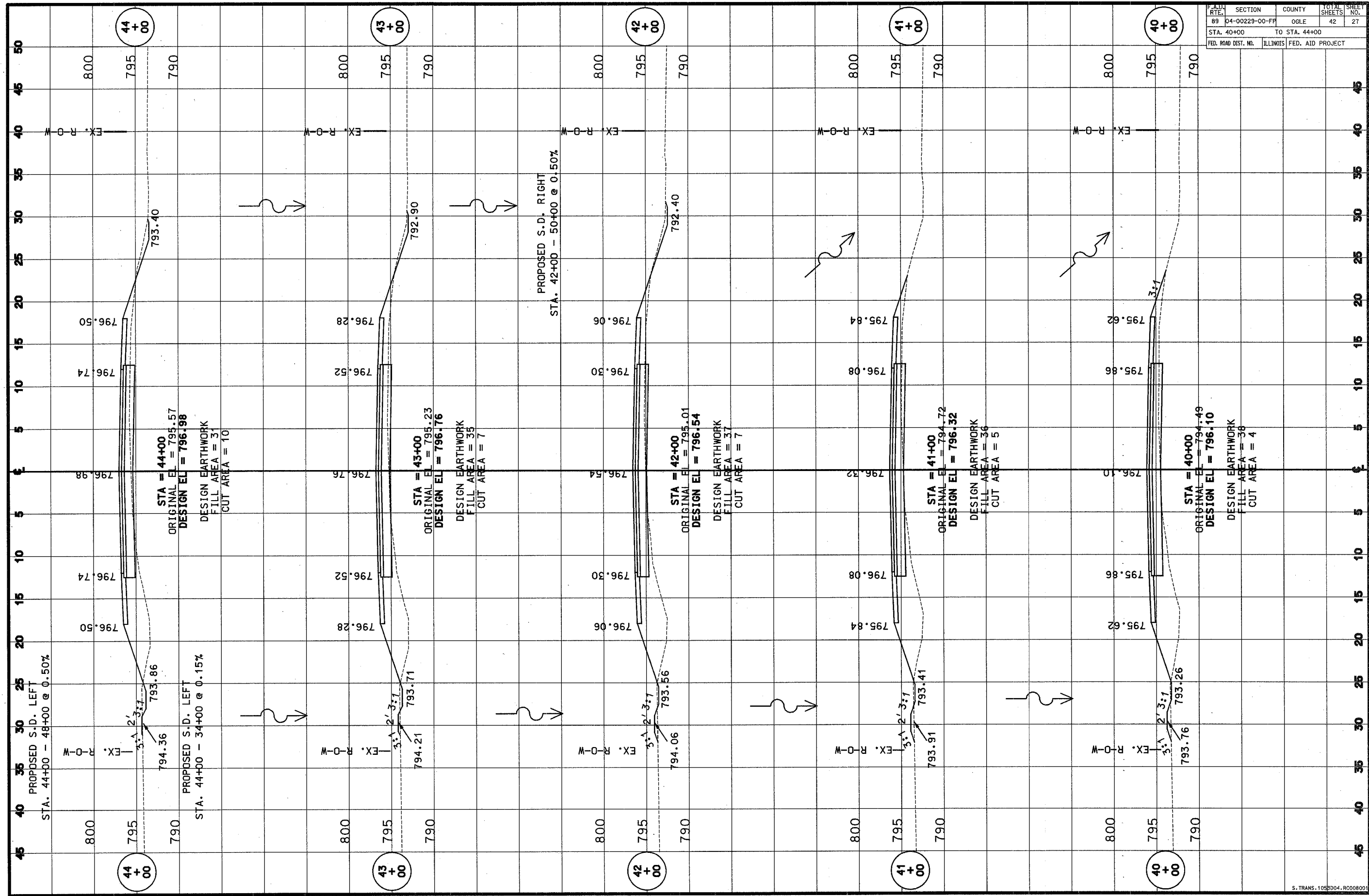
3.1%
 28' P CUL
 CL-D T-1 15"

P.A.U.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	25
STA. 31+00		TO STA. 34+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

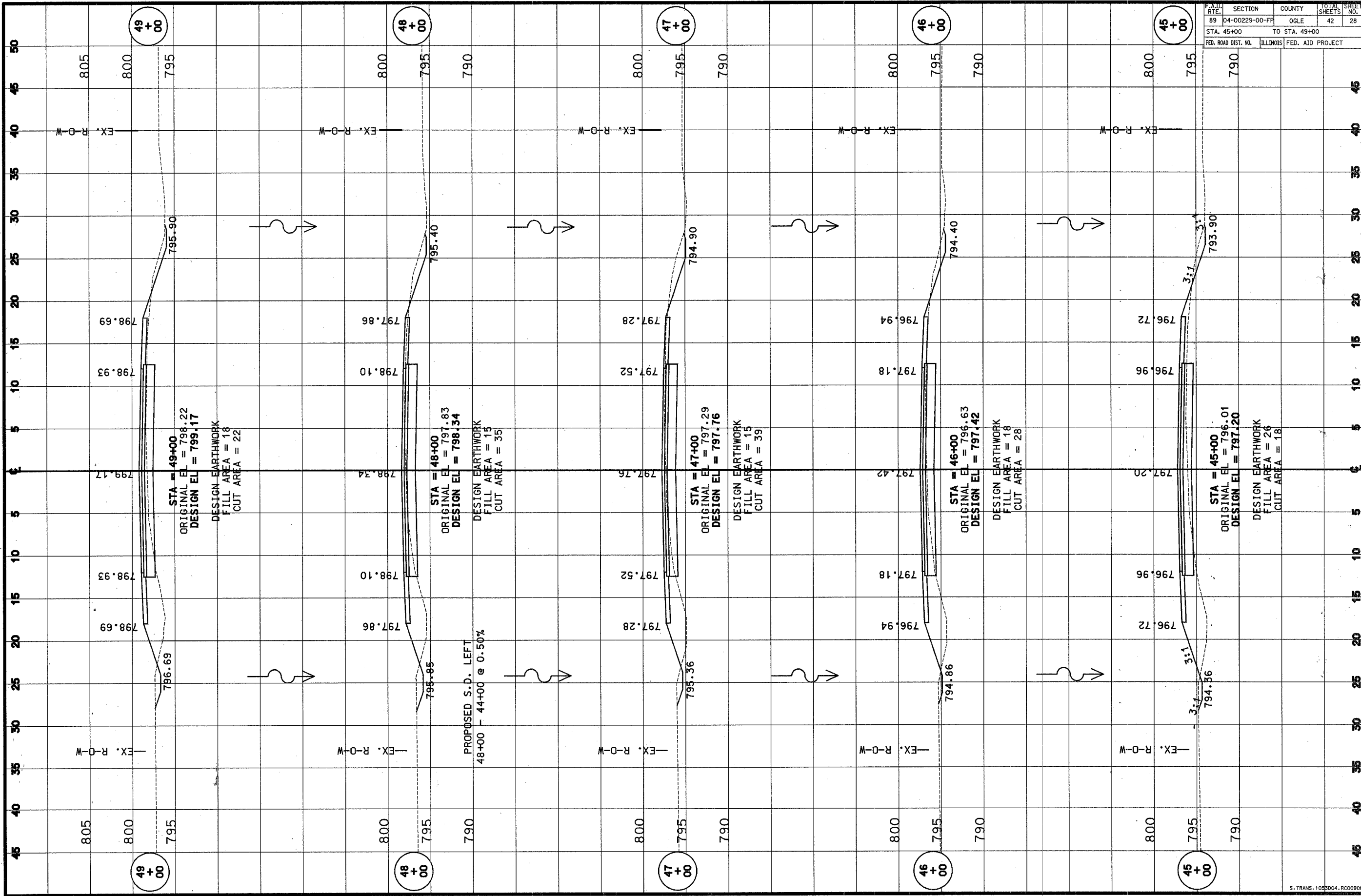
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	OGLE	42	26
STA. 35+00 TO STA. 39+00			
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT	



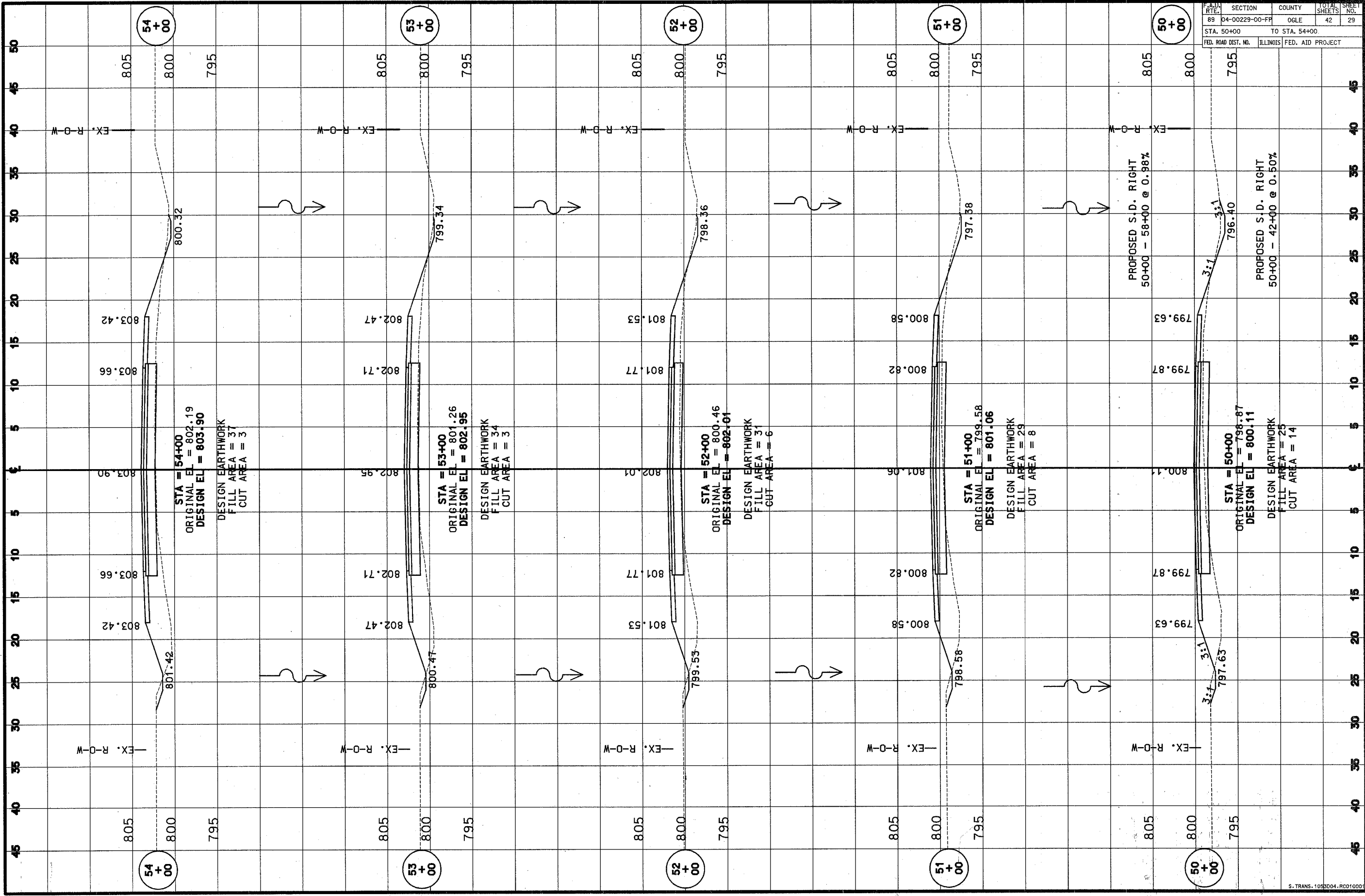
F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	D4-00229-00-FF	OGLE	42	27
STA. 40+00		TO STA. 44+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



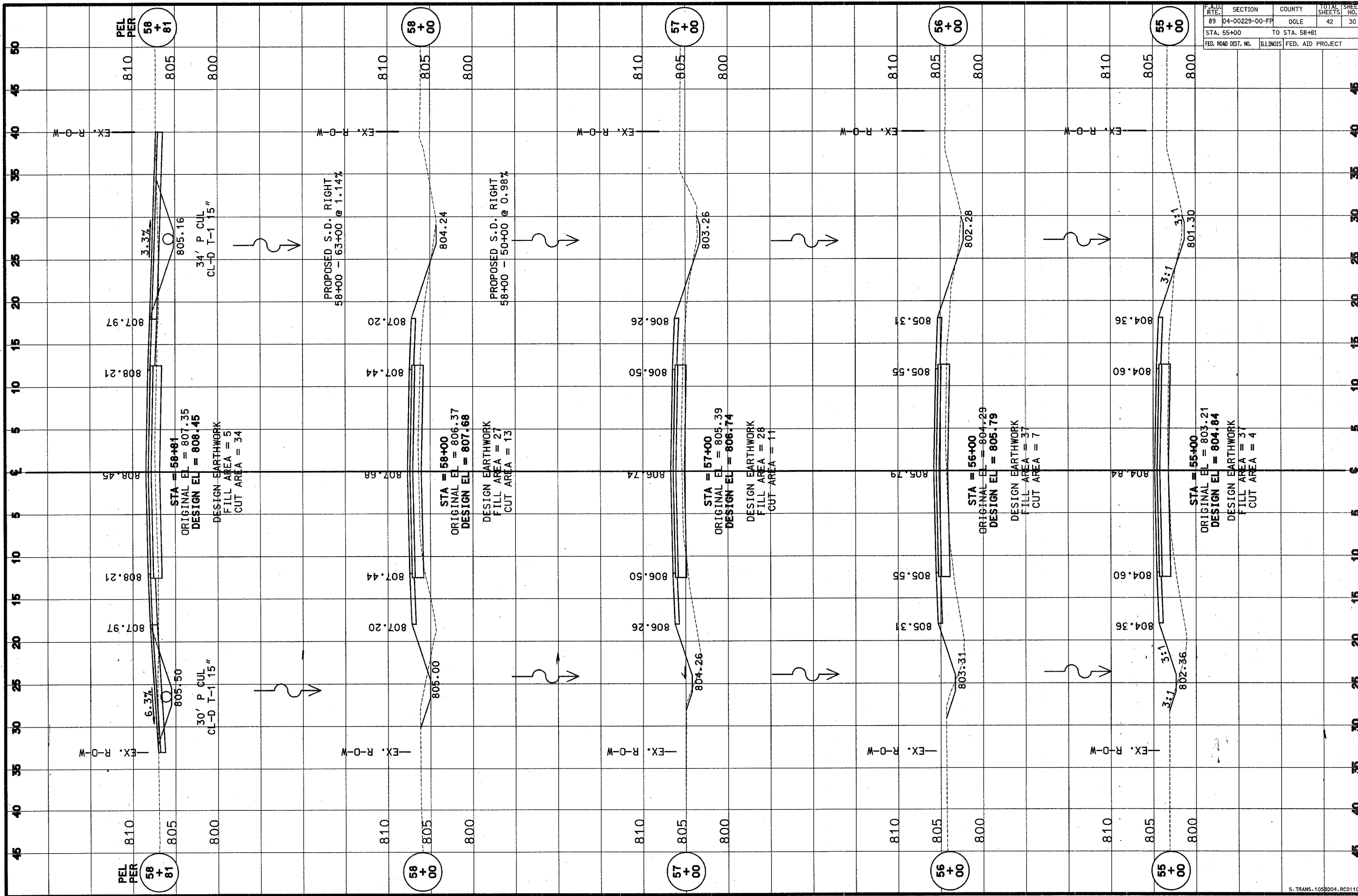
PLAN FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	28
STA. 45+00		TO STA. 49+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

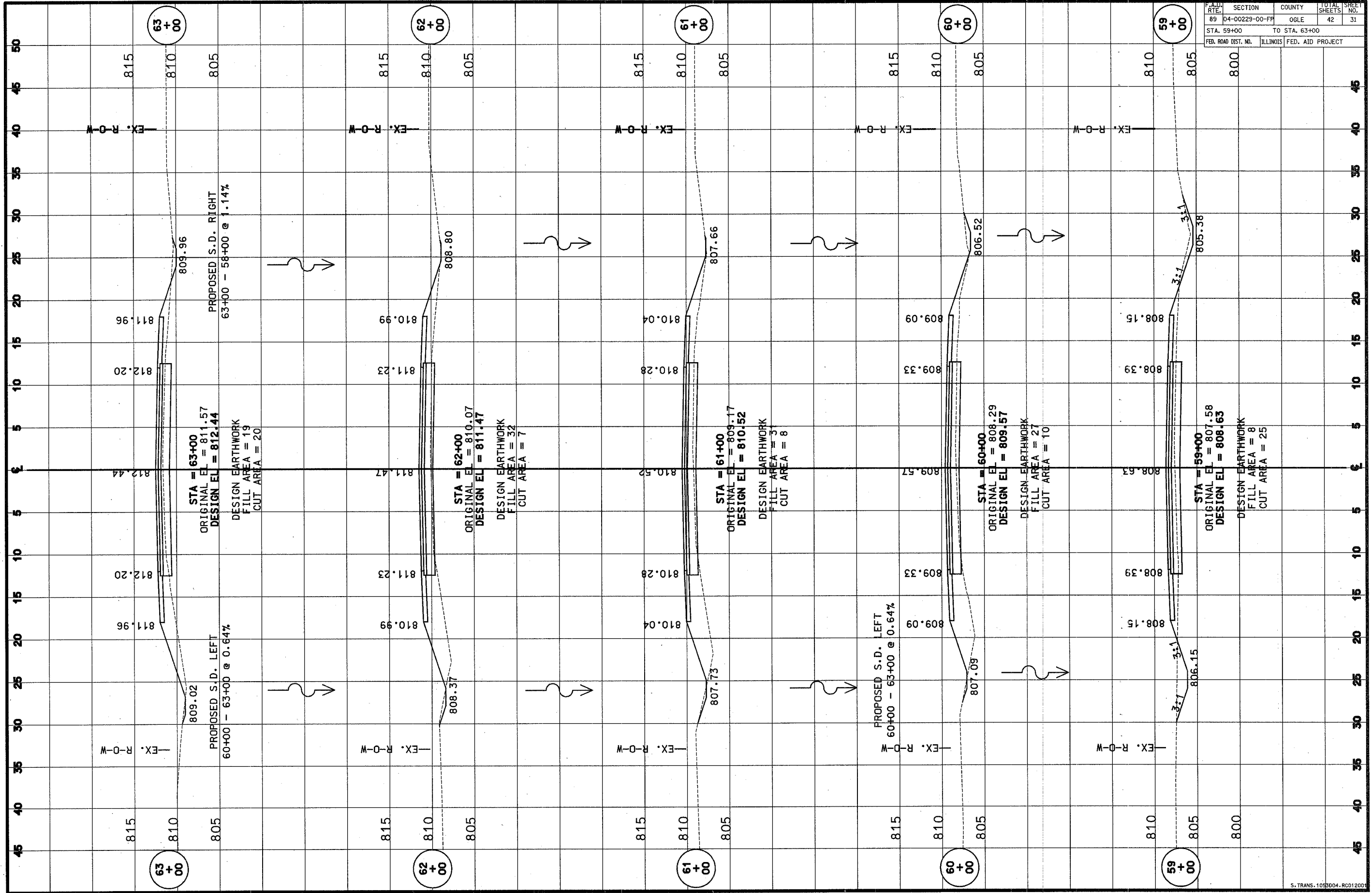


ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FR	OGLE	42	29
STA. 50+00		TO STA. 54+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



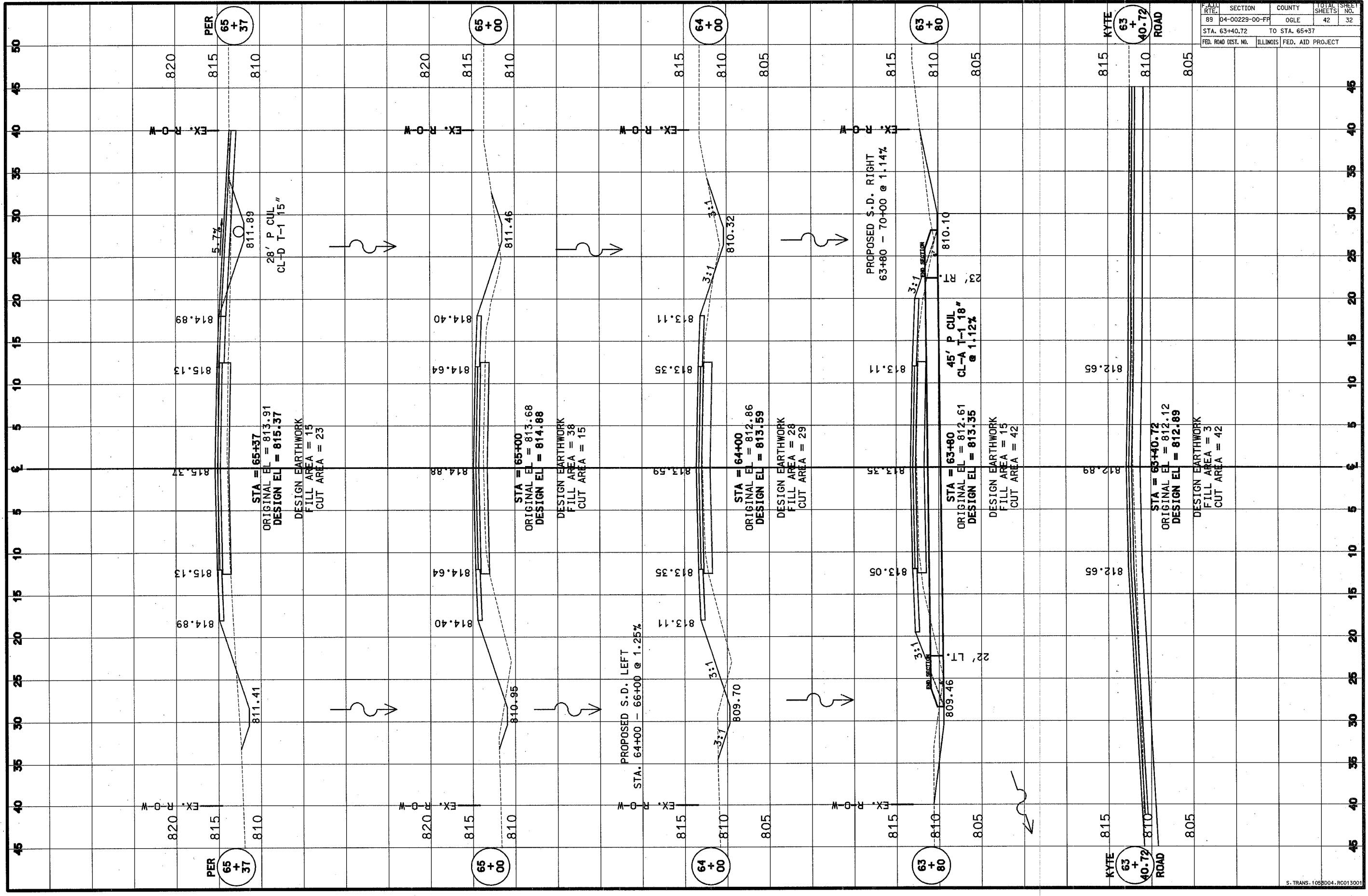
P.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	D4-00229-00-FP	OGLE	42	30
STA. 55+00		TO STA. 58+81		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



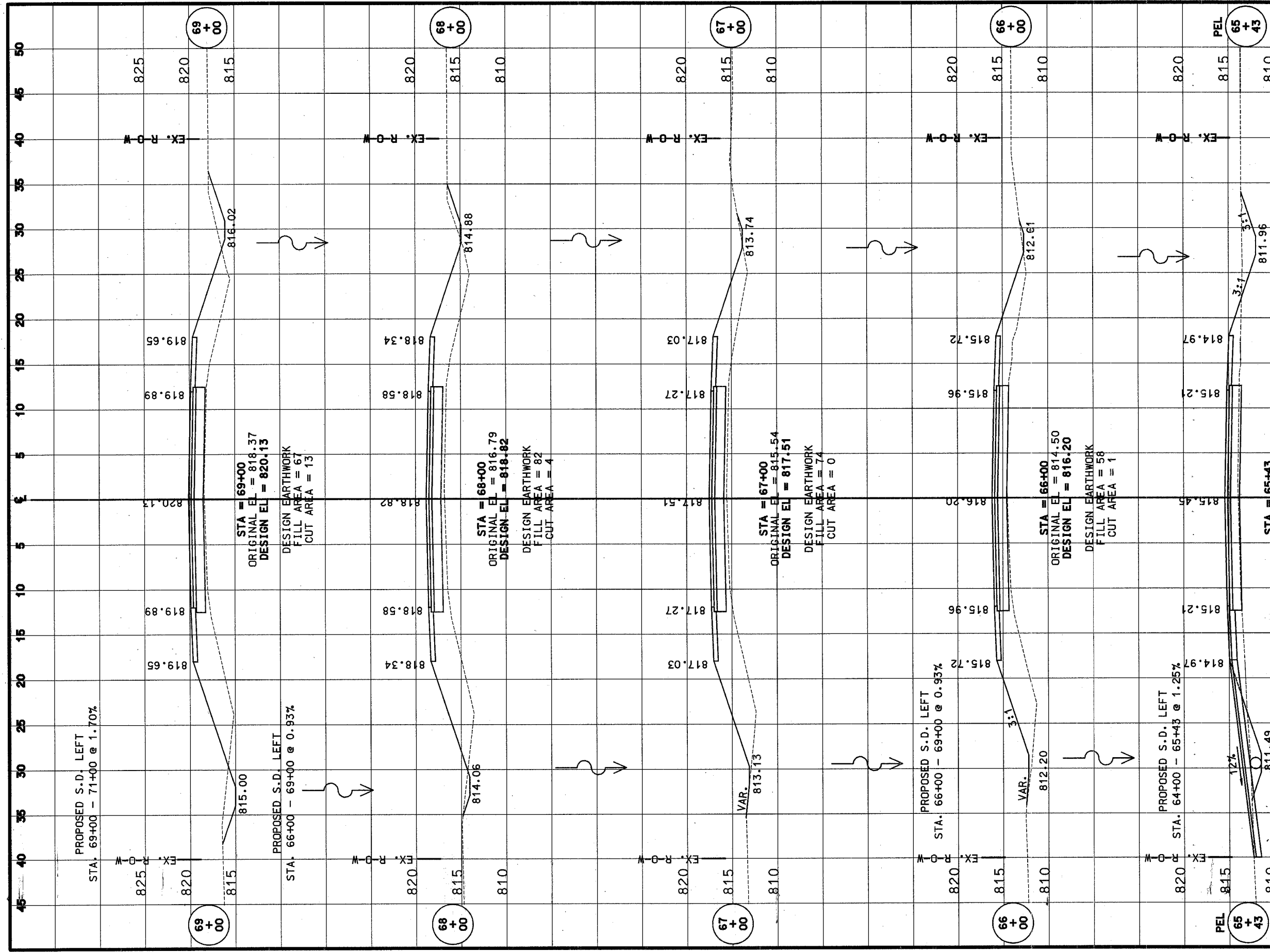


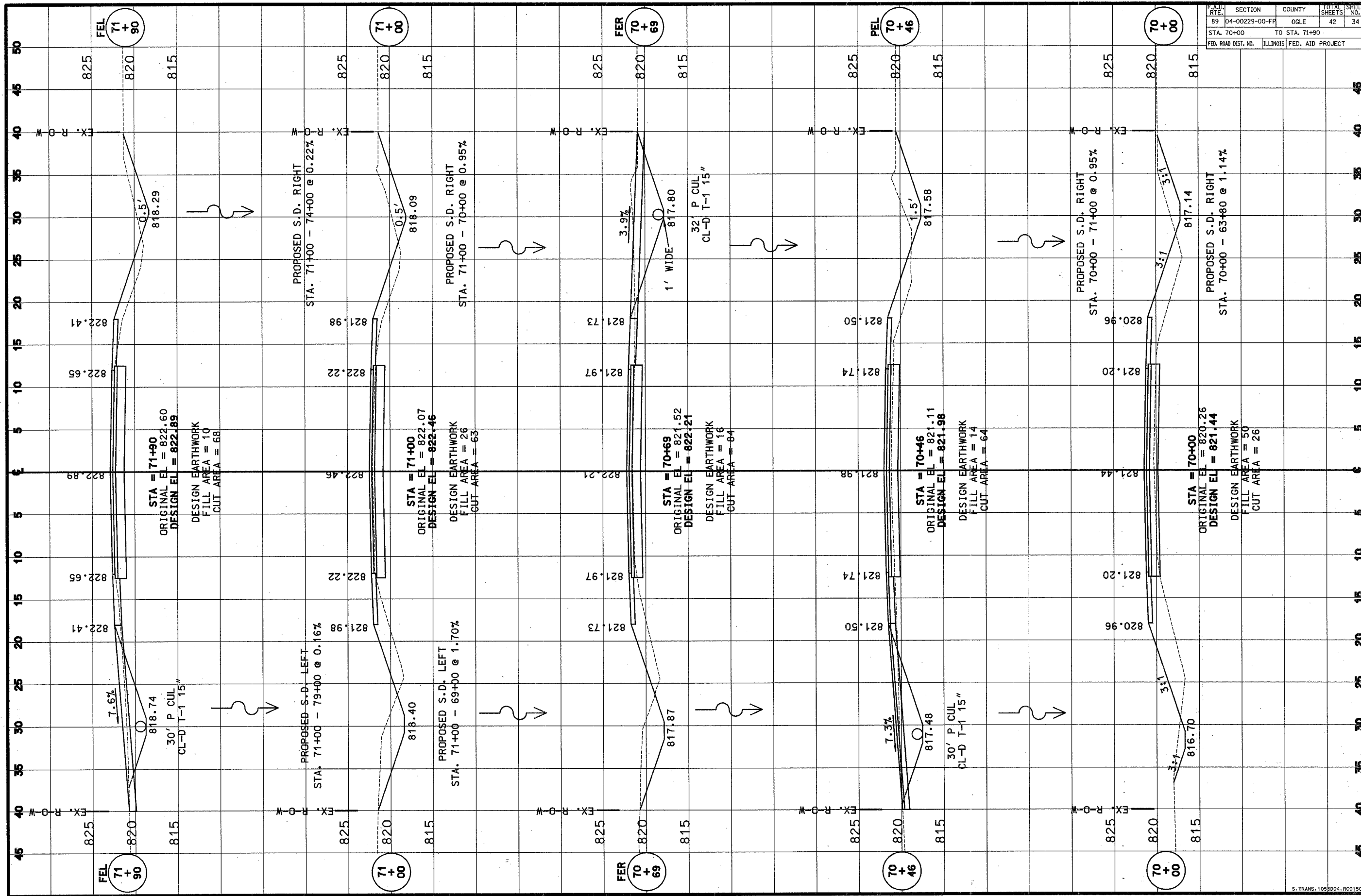
F.A.I.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	D4-00229-00-FF	OGLE	42	31
STA. 59+00		TO STA. 63+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

F.A.I.D. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	D4-00229-00-FF	OGLE	42	32
STA. 63+40.72		TO STA. 65+37		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



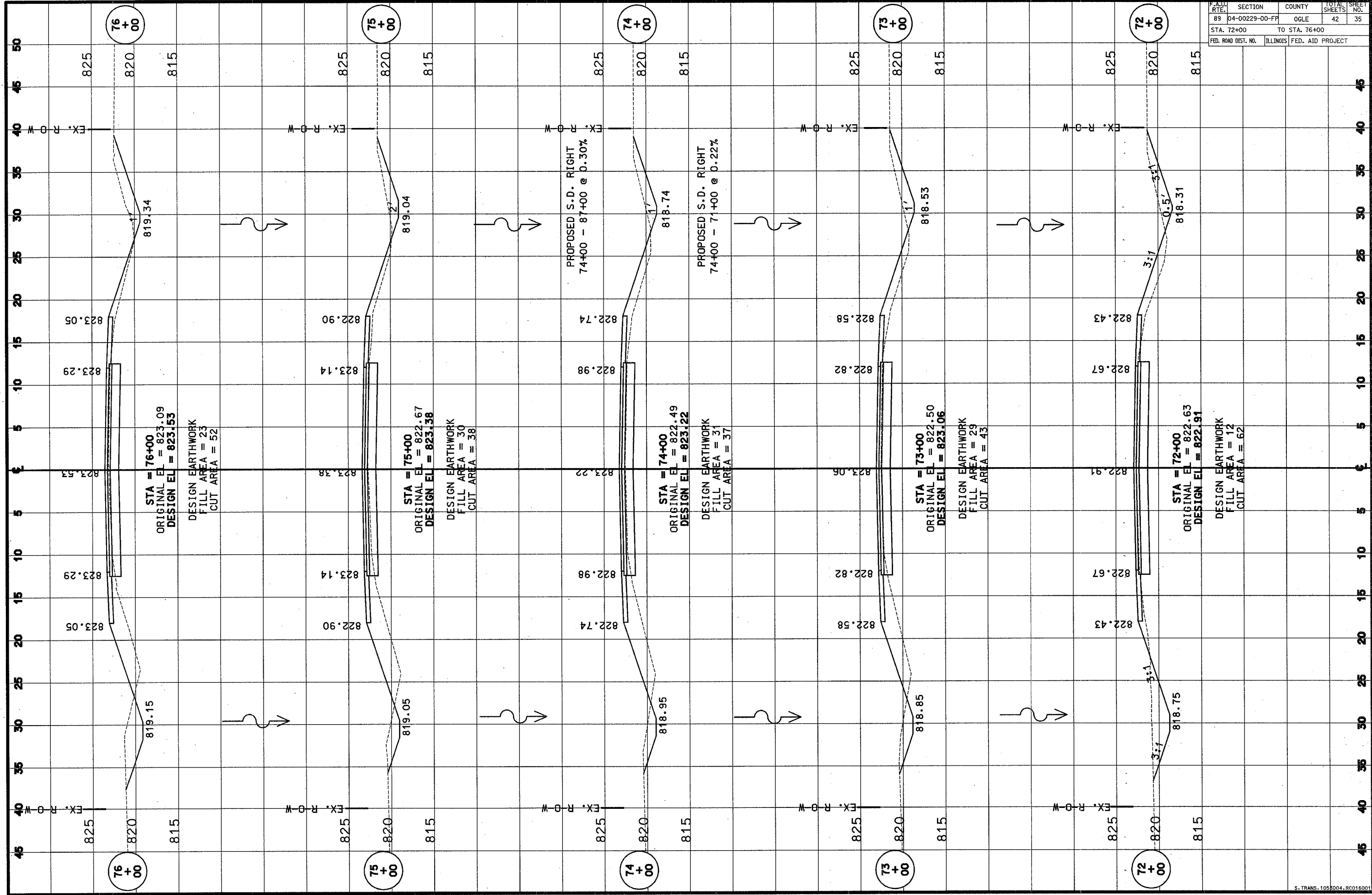
P.L.L. FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.89	04-00229-00-FR	OGLE	42	33
STA. 65+43		TO STA. 69+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



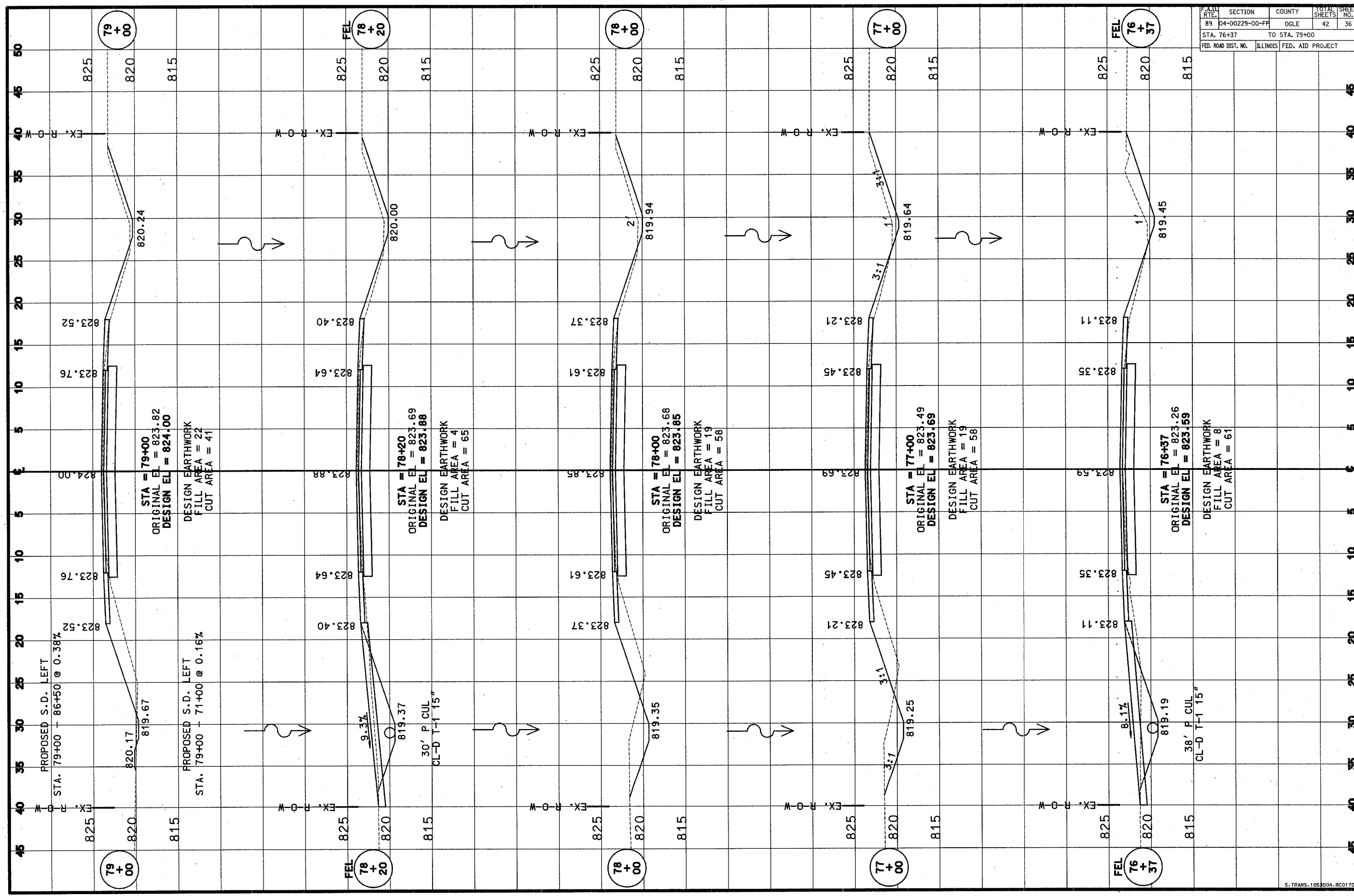


PLAN SHEET NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FR	OGLE	42	34
STA. 70+00		TO STA. 71+90		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

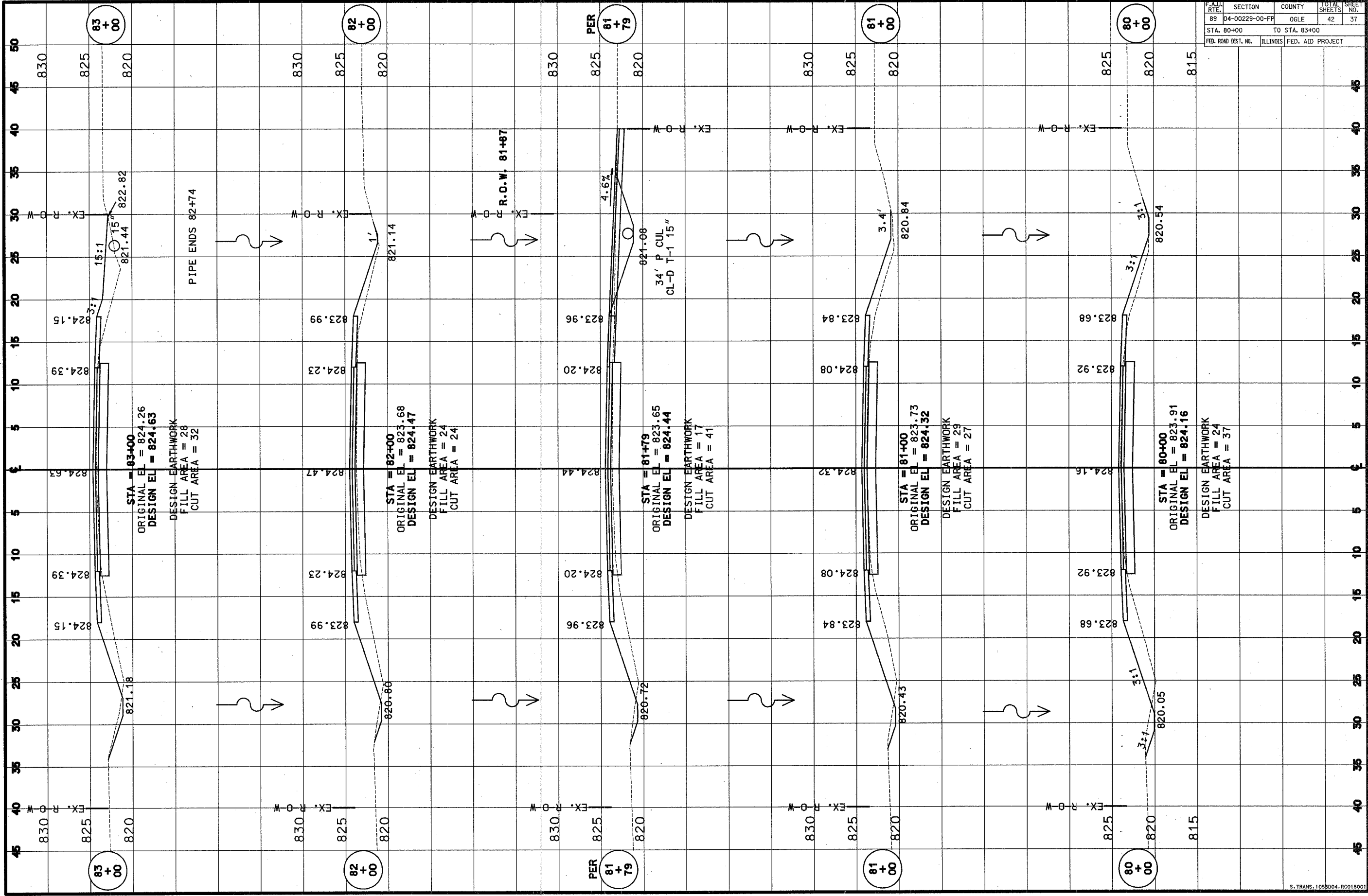
FAA/RTD	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	35
STA. 72+00		TO STA. 76+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



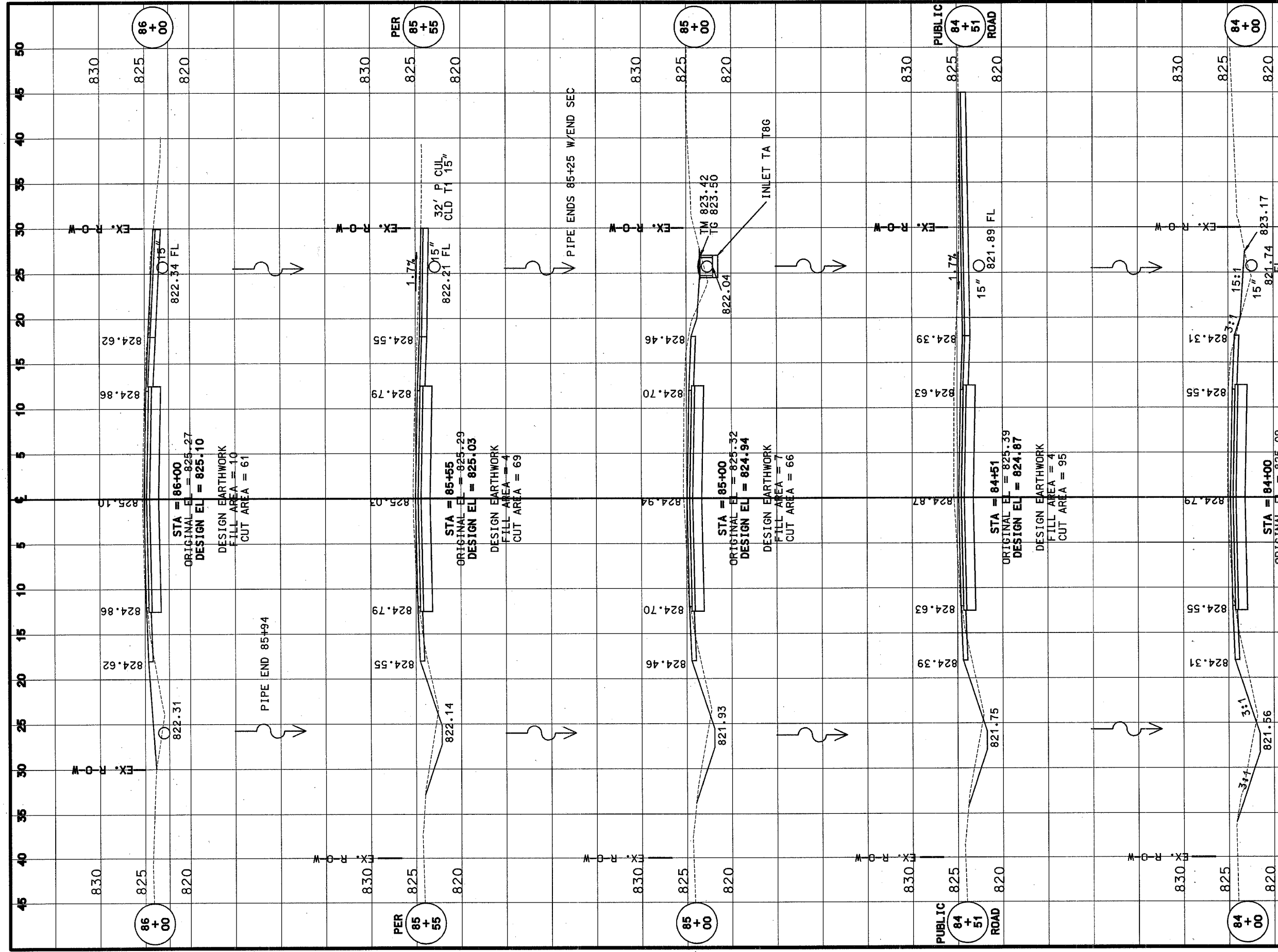
F.A. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	36
STA. 76+37		TO STA. 79+00		
ILLINOIS		FED. AID PROJECT		



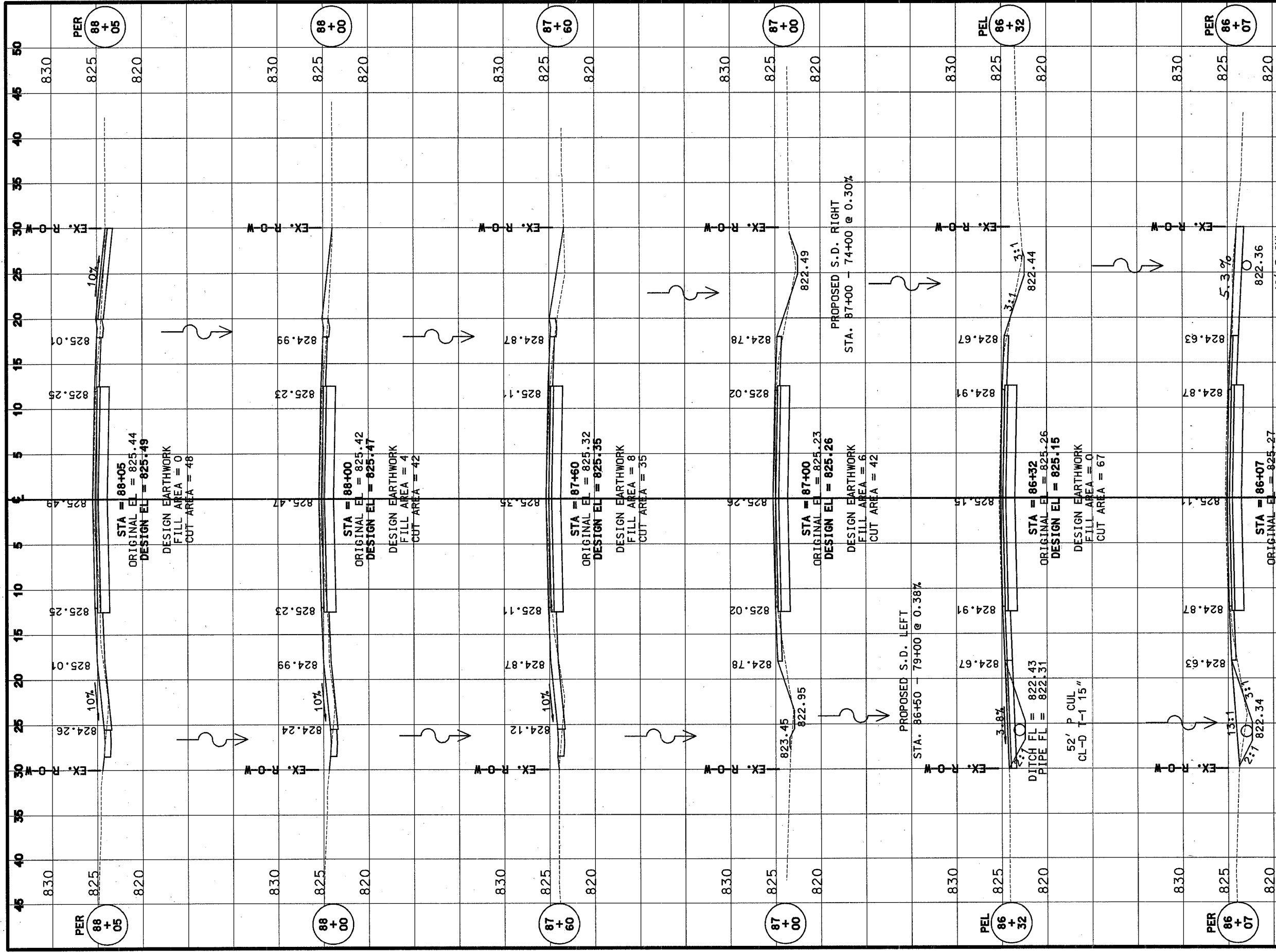
FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	37
STA. 80+00		TO STA. 83+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



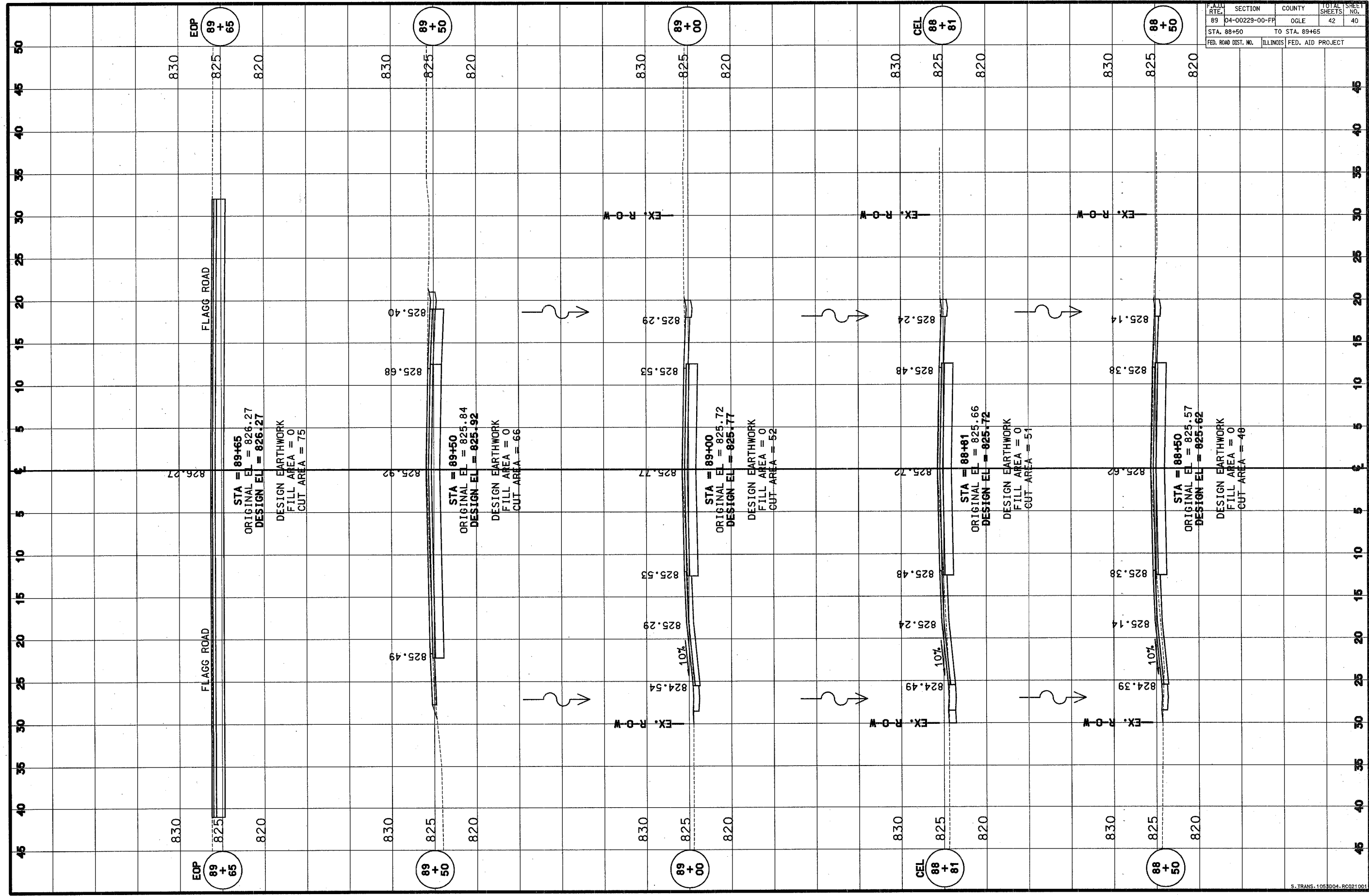
P.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	D4-00229-00-FR	OGLE	42	38
STA. 84+00		TO STA. 86+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	39
STA. 86+07		TO STA. 88+05		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

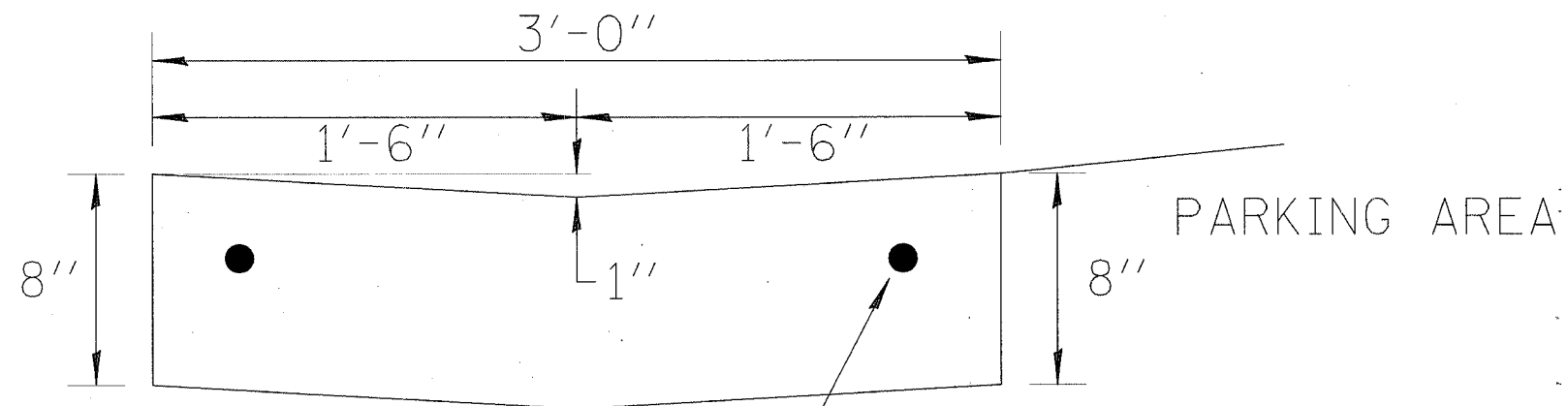


FACILITY	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	OGLE	42	40
STA. 88+50		TO STA. 89+65		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FF	DGLE	42	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONCRETE GUTTER, TYPE A (MODIFIED)



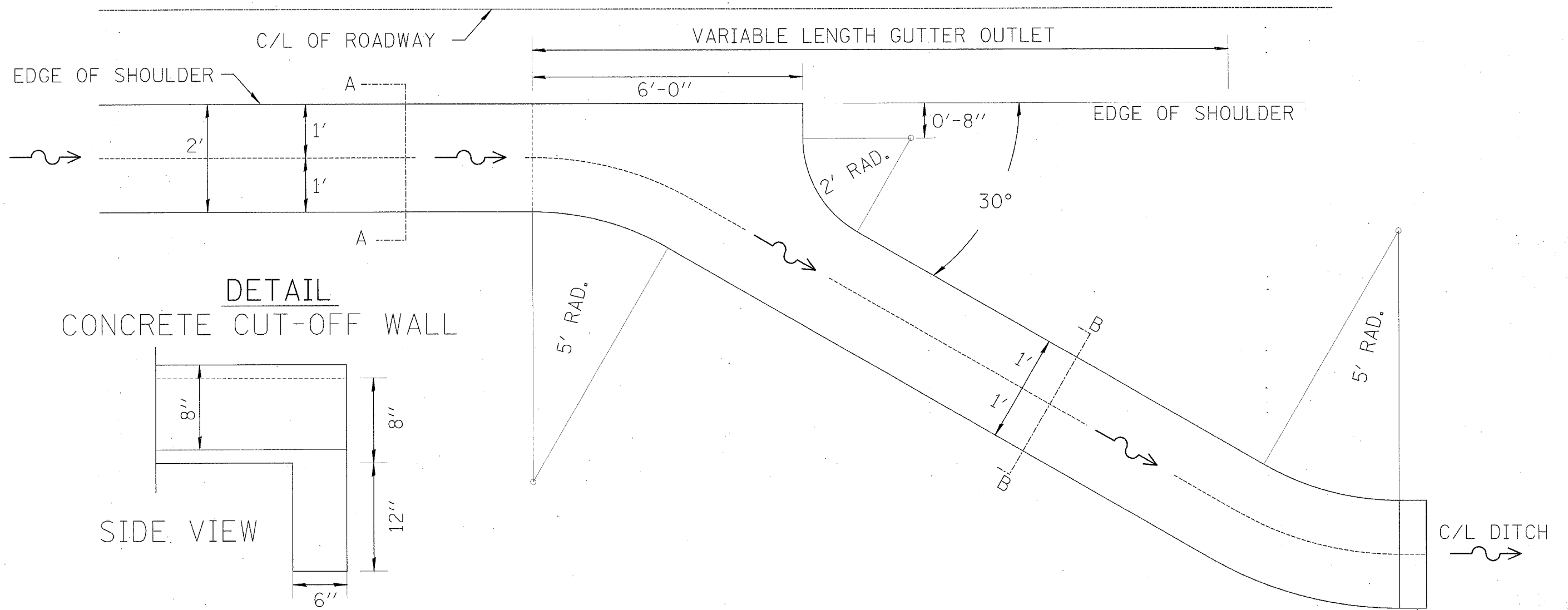
$\frac{3}{4}$ " x 18" DOWEL BARS WITH CAPS
AT EACH EXPANSION JOINT

NOTE:

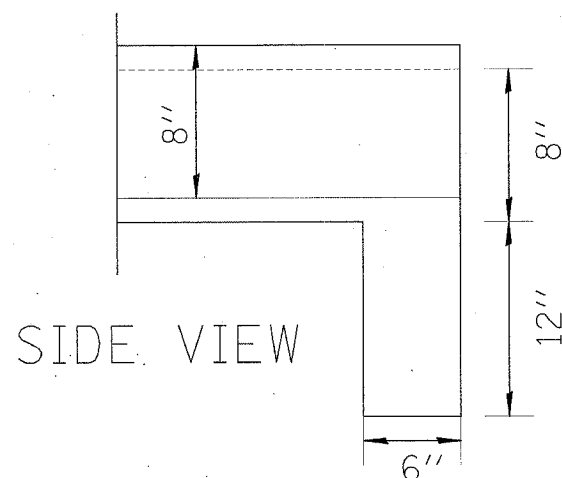
CLASS SI CONCRETE SHALL BE USED THROUGHOUT. CONCRETE GUTTER, TYPE A (MODIFIED) SHALL BE CONSTRUCTED IN 100' SECTIONS WITH $\frac{3}{4}$ " PREMOLDED EXPANSION JOINTS, AND 12' CONSTRUCTION JOINTS. THE DOWEL BARS SHALL BE GREASED ON THE END ON WHICH THE CAP IS PLACED. THE COST OF FURNISHING AND INSTALLING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

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
89	04-00229-00-FP	OGLE	42	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

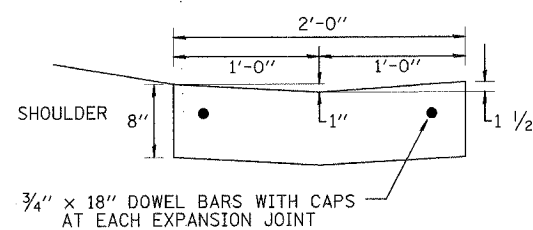
OUTLET FOR CONCRETE GUTTER, TYPE B (MODIFIED) CENTER ROAD



DETAIL CONCRETE CUT-OFF WALL



SECTION A-A SECTION B-B



CONCRETE CUT-OFF WALL
(SEE DETAIL)

NOTE:
CLASS SI CONCRETE SHALL BE USED THROUGHOUT. CONCRETE GUTTER TYPE B, (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 LINEAL FOOT FOR CONCRETE GUTTER TYPE B, (MODIFIED). GUTTER OUTLET SHALL BE PAID FOR PER FOOT.