

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057-02-RS	IROQUOIS	100	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
			CONTRACT NO. 87322	

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES AND MIXTURE REQUIREMENTS
3. SUMMARY OF QUANTITIES
- 4.-5. SCHEDULE OF QUANTITIES
6. TYPICAL SECTIONS
- 7.-17. PLAN AND PROFILE
18. ENTRANCE DETAILS
19. EROSION CONTROL SHEET
- 20.-100. STATION CROSS SECTIONS

HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 630301-04 SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-01 REFLECTOR MARKER AND MOUNTING DETAILS
- 667101 PERMANENT SURVEY MARKERS
- 701006-02 OFF ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600mm (24") FROM PAVEMENT EDGE
- 701011-01 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS $\geq$ 45 MPH
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701901 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS
- BLR 24-1 MAILBOX-TURNOUT FOR LOCAL ROADS
- BLR 26 STEEL PLATE BEAM GUARDRAIL 700 MM (27½") HIGH
- BLR 27 TRAFFIC BARRIER TERMINAL TYPE 5A

UTILITIES

NICOR GAS
1844 FERRY ROAD
NAPERVILLE, IL 60563-9600
ATTN: CONSTANCE LANE (630)388-3830

MARATHON PIPE LINE
1900 W. AVENUE H
GRIFFITH IND. 46319-3034
ATTEN: SUSAN DAILY (219)924-8577 X-228

VERIZON NORTH
KALIN HINSHAW
110E MONROE
BLOOMINGTO, IL 61701-2675
(MAIL CODE) ILLLBON

EASTERN ILLINI ELECTRIC
330 W OTTAWA ST
P.O. BOX 96
PAXTON, IL 60957
ATTN ALAN SCHWEIGHART 217-379-2131-17

COMCAST
688 INDUSTRIAL DRIVE
ELMHURST, IL 60015
ATTN MARTHA GIERAS 630-600-6352

AMEREN CIPS
P.O. BOX 566
711 S 9TH STREET
MATTON, IL 61938
ATTN MIKE TIPTON 217-234-0559

MCLEOD USA
102 E SHAFER
FORSYTH, IL 62535
ATTN MARK MILLS 217-876-7194

DESIGN FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR (NON-URBAN)
DESIGN TRAFFIC: 1322 (2028) ADT
DESIGN SPEED: 50 M.P.H.

CONTRACT NO. 87322

IROQUOIS COUNTY

SECTION 05-00057-02-RS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED

SURFACE TRANSPORTATION PROGRAM – RURAL

SCALES	PLAN	0' = 50'
	PROFILE HORIZ.	0' = 50'
	PROFILE VERT.	0' = 5'
	CROSS SECTIONS	0' = 5'

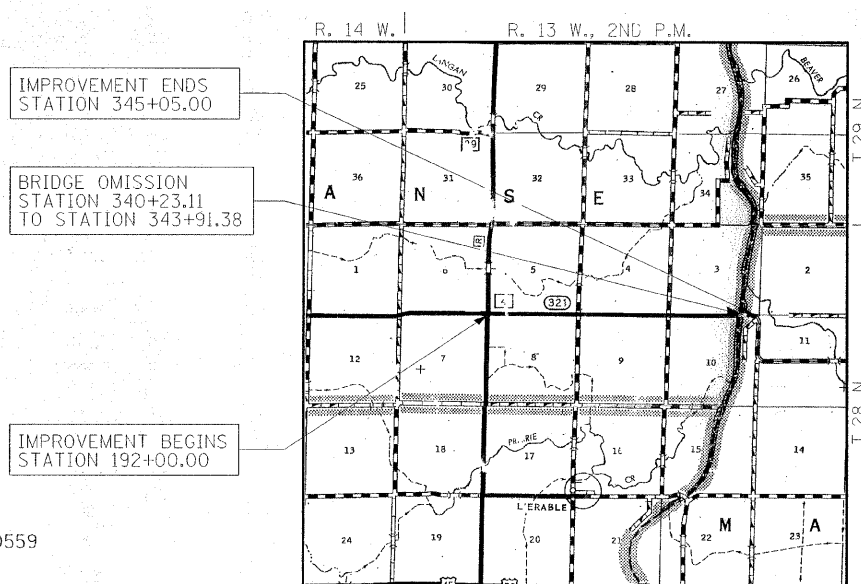
F.A.S. 321 E 2900 NORTH ROAD (C.H. 4)

SECTION 05-00057-02-RS

IROQUOIS COUNTY

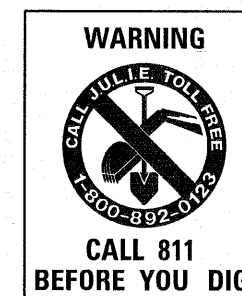
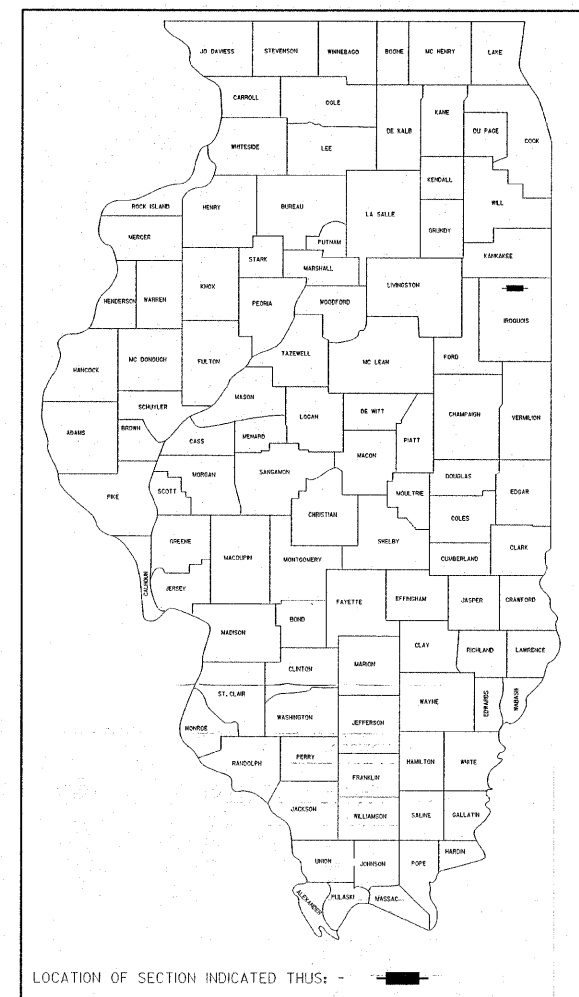
PROJECT – SR-321(114)

C-93-057-06

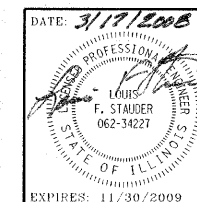
**LAYOUT**

APPROXIMATE SCALE: 0 1 MILE

GROSS NET LENGTH OF SECTION = 15305 FEET = 2.897 MILES
BRIDGE OMISSION = 368.27 FEET = 0.070 MILES
NET LENGTH OF SECTION = 14936.73 FEET = 2.827 MILES



APPROVED	March 20, 2008
	COUNTY ENGINEER
PASSED	03-26-2008
	DISTRICT THREE ENGINEER
Releasing For Bid Based on Limited Review	03-26-2008
	DEPUTY DIRECTOR OF HIGHWAYS REGION TWO ENGINEER STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



HAMPTON, LENZINI & REHWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 ELGIN • SPRINGFIELD	
DATE: 3/17/2008	PROJECT NUMBER: 03-16-0001-1
EXPIRES: 11/30/2009	DATE: 03/04/08

GENERAL NOTES

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007", (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2008; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE DOCUMENTS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE, AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE . IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION

THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL COMMERCIAL, PRIVATE AND FIELD ENTRANCES AT ALL TIMES EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR, SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ALL DISTURBED AREAS WITHIN THE CONSTRUCTION LIMITS SHALL BE FERTILIZED AND SEEDED. SEEDING SHALL BE CLASS 2 (SPECIAL) ACCORDING TO THE APPLICABLE ARTICLES OF SECTION 250 OF THE STANDARD SPECIFICATIONS. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLAGE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

EARTHWORK COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.

AT ALL LOCATIONS WHERE THE PROPOSED HOT-MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED IN THE PAY ITEM INVOLVED. THE MINIMUM SAW DEPTH IN THE PAVEMENT SHALL BE 1½" UNLESS OTHERWISE NOTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF 48 HOURS ADVANCED NOTICE I IS REQUIRED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

GRANULAR MATERIALS:	2.05 TONS / CU YD
BITUMINOUS MATERIALS PRIME COAT (ON PAVEMENT):	0.1 GAL / SQ YD
BITUMINOUS MATERIALS PRIME COAT (INTERMEDIATE LIFTS(FOG COAT)):	0.04 GAL / SQ YD
BITUMINOUS MATERIALS PRIME COAT (ON AGGREGATE SURFACE):	0.35 GAL / SQ YD
AGGREGATE PRIME COAT:	0.002 TONS / SQ YD
HMA RESURFACING:	112 LBS / SQ YD / INCH OF THICKNESS
SHORT TERM PAVEMENT MARKING:	10 FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS:	0.0003 TONS / SY YD
LEVEL BINDER (MACHINE METHOD):	112 LBS / SQ YD / INCH OF THICKNESS
SUPPLEMENTAL WATERING:	3 GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE:	2 LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS:	5 TONS AGGREGATE
RIPRAP:	1.75 TONS / CUYD

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057 -02-RS	IROQUOIS	100	2
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
CONTRACT NO. 87322				

	HMA LEVELING BINDER	HMA SURFACE	HMA SHOULDERS 6" and 3"	INCIDENTAL HMA SURFACING
PG GRADE	PG58-22	PG64-22	PG58-22	PG64-22
MAX % RAP ALLOWABLE**	25%	15%	50%	15%
DESIGN AIR VOIDS	4% @ N50	4% @ N50	3% @ N50	4% @ N50
MIXTURE COMPOSITION	IL 9.5	IL 12.5 OR IL 9.5	IL 19.0	IL 12.5 OR IL 9.5
FRICTION				
AGGREGATE		MIXTURE C		MIXTURE C
DENSITY	SATISFACTION OF ENGINEER	NUCLEAR/ CORES	*NUCLEAR/ CORES	NUCLEAR/ CORES

* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUB GRADE THAT MINIMUM PERCENT COMPACTION SHALL BE 92 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QA/QC SPECIFICATIONS. ** IF THE RAP PERCENTAGE IS DIFFERENT THAN LISTED ABOVE, THE PG GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER

THE FOLLOWING PAY ITEMS HAVE BEEN INCLUDED TO ESTABLISH UNIT RATES:

CLASS D PATCHES, TYPE II, 11 INCH
CLASS D PATCHES, TYPE III, 11 INCH
CLASS D PATCHES, TYPE IV, 11 INCH

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS ELGIN • SPRINGFIELD 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 03-46-0001-1 DATE: 03/04/08 DESIGNED: L.F.S. CHECKED: DRAWN: W.J.S.		GENERAL NOTES AND MIXTURE REQUIREMENTS F.A.S. 321 / C.H. 4 SECTION 05-00057-02-RS IROQUOIS COUNTY
---	--	---

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057 -02-RS	IROQUOIS	100	3
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
CONTRACT NO. 87322				

SUMMARY OF QUANTITIES			
CODE #	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	382
20400800	FURNISHED EXCAVATION	CU YD	2503
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	3.64
25100630	EROSION CONTROL BLANKET	SQ YD	575
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1456
28000300	TEMPORARY DITCH CHECKS	EACH	58
28000400	PERIMETER EROSION BARRIER	FOOT	996
28000500	INLET AND PIPE PROTECTION	EACH	25
28100207	STONE RIPRAP, CLASS A4	TON	437
28200200	FILTER FABRIC	SQ YD	563
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	39
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3805
40600300	AGGREGATE (PRIME COAT)	TON	72
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	6729
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	182
40600990	TEMPORARY RAMP	SQ YD	176
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	3048
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	114
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	25
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	60
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	125
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	12806
48203009	HOT-MIX ASPHALT SHOULDERS, 3"	SQ YD	268
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	322
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	300
* 63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
* ^ 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1(SPECIAL) TANGENT	EACH	4
63200310	GUARDRAIL REMOVAL	FOOT	550
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	6
^ 67100100	MOBILIZATION	L SUM	1
^ 70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	8894
* 70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	33931
* 70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	46

^ SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES			
CODE #	ITEM	UNIT	TOTAL QUANTITY
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14224
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	33931
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	46
* ^ 78200405	GUARDRAIL MARKERS	EACH	12
* ^ 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
^ Z0055300	RUMBLE STRIP	EACH	3
Δ ^ Z0076600	TRAINEES	HO'JR	500

^ SEE SPECIAL PROVISIONS

Δ Y080

* SPECIALTY ITEMS

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	
ELGIN • SPRINGFIELD	
PROJECT NUMBER: 03-46-0001-1	DATE: 03/04/08
DESIGNED: L.F.S.	CHECKED: DRAWN: W.J.S.

SUMMARY OF QUANTITIES
F.A.S. 321 / C.H. 4
SECTION 05-00057-02-RS
IROQUOIS COUNTY

PAVEMENT MARKING SCHEDULE										
LOCATION	PAINT								SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
	PERMANENT				TEMPORARY					
	4" SINGLE WHITE EDGE LINE	4" SKIP DASH YELLOW CENTERLINE	4" SOLID YELLOW CENTERLINE	24" WHITE STOP BAR	4" SINGLE WHITE EDGE LINE	4" SKIP DASH YELLOW CENTERLINE	4" SOLID YELLOW CENTERLINE	24" WHITE STOP BAR	4" SKIP DASH YELLOW CENTERLINE	
	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
CH4										
CL STA. 192+00 TO CL STA. 340+23.11		3706				3706			8894	4158
LT. STA. 192+00 TO LT. STA. 340+23.11	14643			24	14643			24		4880
RT. STA. 192+00 TO RT. STA. 340+23.11	14659			22	14659			22		4881
RT. STA. 331+00 TO RT. STA. 340+23.11			923				923			305
SUBTOTAL	29302	3706	923	46	29302	3706	923	46	8894	14224
TOTAL	33931			46		33931		46	8894	14224

PERMANENT SURVEY MARKERS, TYPE I		
LOCATION	STATION	EACH
CL	PI 217+93.49	1
CL	PI 244+47.54	1
CL	PI 271+41.07	1
CL	PI 298+16.54	1
CL	PI 324+72.97	1
CL	PI 337+75.16	1
TOTAL		6

EARTHWORK SUMMARY						
LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE(25%)	% USED	EARTH EXCAVATION AVAILABLE	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD		CUBIC YARD	CUBIC YARD	CUBIC YARD
CH 4						
STA. 192+00.00 TO STA. 340+09.00	373	280	100.00%	280	2694	-2414
STA. 344+04.44 TO STA. 345+05.00	9	7	100.00%	7	96	-89
ENTRANCES						
TOTAL	382	287		287	2790	-2503
FURNISHED EXCAVATION REQUIRED = 2503 CU.YD.						

SEEDING SUMMARY							
LOCATION	SEEDING CLASS 2 (SPECIAL)	TEMPORARY EROSION CONTROL SEEDING	NITROGEN FERTILIZER NUTRIENT 90 LBS/ACRE	PHOSPHORUS FERTILIZER NUTRIENT 90 LBS/ACRE	POTASSIUM FERTILIZER NUTRIENT 90 LBS/ACRE	AGRICULTURAL GROUND LIMESTONE 2 TONS/ACRE	MULCH METHOD 2 ACRE
	ACRES	LBS	LBS	LBS	LBS	TONS	ACRES
LT STA 192+00 TO LT STA 340+23.11	1.83	732	165	165	165	3.66	1.83
RT STA 192+00 TO RT STA 340+23.11	1.77	708	159	159	159	3.54	1.77
LT STA. 344+04.44 TO LT STA. 345+05.00	0.02	8	2	2	2	0.04	0.02
RT STA. 344+04.44 TO RT STA. 345+05.00	0.02	8	2	2	2	0.04	0.02
TOTAL	3.64	1456	328	328	328	7.28	3.64

* 100 LBS/ACRE FOR 4 APPLICATIONS
FERTILIZER, LIMESTONE AND MULCH QUANTITIES ARE FOR INFORMATION ONLY

ROADWAY SCHEDULE												
LOCATION	HOT-MIX ASPHALT SURFACE CSE MIX "C", N50 1.5"	LEVELING BINDER (MM) N50 1.75"	LEVELING BINDER (MM) N50 .75"	HOT-MIX ASPHALT SURFACE REMOVAL BUTT-JOINT	TEMPORARY RAMP	BITUMIONUS MATERIAL PRIME COAT	AGGREGATE PRIME COAT	HOT-MIX ASPHALT SHOULDERS	HOT-MIX ASPHALT SHOULDERS	AGGREGATE SHOULDER TYPE A 6"	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SURFACE COURSE TYPE B 6"
	TON	TON	TON	SQ YD.	SQ YD	GAL	TON	SQ YD	SQ YD	SQ YD	TON	TON
STA. 192+00 TO STA. 340+23.11	3048	3526	3203	98	134	3623	72	220	180	12806		
STA. 343+91.38 TO STA. 345+05								102	88			
SIDEROADS				84	42	52					78	
ENTRANCES						130					36	39
TOTAL	3048	3526	3203	182	176	3805	72	322	268	12806	114	39

GUARDRAIL TABULATION						
LOCATION	STEEL PLATE BEAM GUARDRAIL TYPE A	TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL TYPE 5A	TERMINAL MARKER DIRECT APPLIED	GUARDRAIL MARKERS	GUARDRAIL REMOVAL
	FOOT	EACH	EACH	EACH	EACH	FOOT
LT. STA. 338+07.97 TO LT. STA. 340+08.72	137.5	1	1	1	4	200
RT. STA. 338+07.97 TO RT. STA. 340+08.72	137.5	1	1	1	4	200
RT. STA. 344+05.00 TO RT. STA. 344+80.75	12.5	1	1	1	2	75
LT. STA. 344+05.00 TO LT. STA. 344+80.75	12.5	1	1	1	2	75
TOTAL	300	4	4	4	12	550

HAMPTON, LENZINI & RENWICK, INC.

CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS



3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 03-46-0001-1

DATE: 02/04/08

DESIGNED: L.F.S.

CHECKED:

DRAWN: W.J.S.

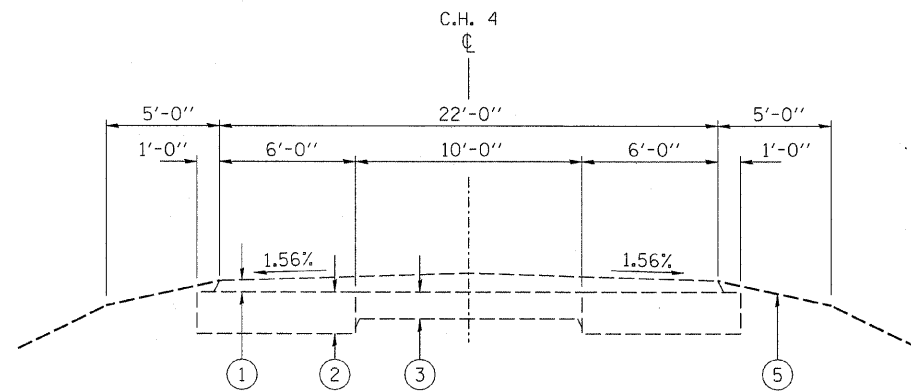
SCHEDULE OF
QUANTITIES
F.A.S. 321 / C.H. 4
SECTION 05-00057-02-RS
IROQUOIS COUNTY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057 -02-RS	IROQUOIS	100	5
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
CONTRACT NO. 87322				

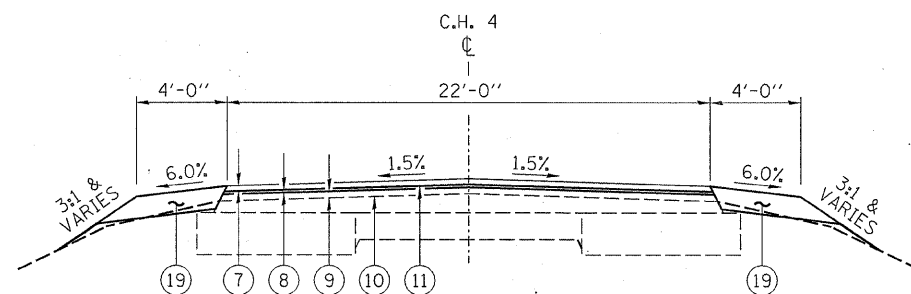
ENTRANCE AND SIDEROAD SCHEDULE										
LOCATION	TYPE	EXISTING SURFACE TYPE	EXISTING WIDTH	PROPOSED SURFACE TYPE	PROPOSED WIDTH	RADIUS	SHOULDER WIDTH	INCIDENTAL HMA SURFACING	AGGREGATE SURFACE COURSE TY A	BIT. MATL. PRIME COAT GAL.
			FEET		FEET	FEET	FEET	TON	TON	
CH 4										
RT. 193+30	FE	AGG	20	AGG	20	10	4		2	
LT. 204+51	FE	EARTH	24	AGG	24	10	4		2	
RT. 210+18	FE	EARTH	33	AGG	33	10	4		3	
LT. 211+11	FE	EARTH	18	AGG	18	10	4		1	
RT. 214+10	PE	AGG	12	HMA	20	17	4	4		14
LT. 214+31.97	MB TURNOUT	AGG		HMA			4	2		6
RT. 215+74	PE	AGG	18	HMA	24	17	4	4		16
RT. 216+32	PE	AGG	18	HMA	24	17	4	4		16
LT. 216+38.16	MB TURNOUT	AGG		HMA			4	2		6
LT. 218+00	FE	EARTH	43	AGG	42	10	4		3	
RT. 218+09	FE	EARTH	20	AGG	22	10	4		2	
RT. 231+23	FE	EARTH	22	AGG	22	10	4		2	
RT. 252+67	FE	EARTH	16	AGG	18	10	4		1	
RT. 253+62	PE WITH MB TURNOUT	AGG	12	HMA	22	17	4	5		18
RT. 256+99	PE	AGG	20	HMA	22	17	4	4		15
LT. 258+07	FE	EARTH	22	AGG	22	10	4		2	
RT. 258+15	FE	EARTH	22	AGG	22	10	4		2	
RT. 271+20	FE	EARTH	20	AGG	22	10	4		2	
RT. 273+75	PE	AGG	10	HMA	16	17	4	3		12
LT. 273+88	FE	EARTH	16	AGG	18	10	4		1	
RT. 278+11	FE	EARTH	20	AGG	22	10	4		2	
LT. 278+18	FE	EARTH	22	AGG	22	10	4		2	
RT. 286+60	FE	EARTH	16	AGG	18	10	4		1	
LT. 286+76	PE WITH MB TURNOUT	AGG	12	HMA	18	17	4	5		17
RT. 291+86	FE	EARTH	28	AGG	28	10	4		2	
RT. 299+74	FE	EARTH	22	AGG	22	10	4		2	
RT. 317+78	FE	EARTH	14	AGG	16	10	4		1	
LT. 317+79	FE	EARTH	20	AGG	20	10	4		2	
LT. 324+88	FE	EARTH	20	AGG	20	10	4		2	
RT. 330+66	FE	EARTH	16	AGG	16	10	4		1	
LT. 334+68	PE	AGG	10	HMA	12	17	4	3		10
RT. 337+90	FE	EARTH	10	AGG	16	10	4		1	
TOTAL ENTRANCES								36	39	130
SIDE ROADS										
CL STA. 600+00.00	1500E (NORTH)	HMA	20	HMA	20	35	0	21	0	14
CL STA. 600+00.00	1500E (SOUTH)	HMA	20	HMA	20	35	0	21	0	14
CL STA. 700+00.00	1600E (NORTH)	HMA	20	HMA	20	35	0	21	0	14
CL STA. 700+00.00	1600E (SOUTH)	HMA	16	HMA	16	30	0	15	0	10
TOTAL SIDEROADS								78	0	52
TOTAL PROJECT								114	39	182

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS ELR ELGIN • SPRINGFIELD 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400			SCHEDULE OF QUANTITIES F.A.S. 321 / C.H. 4 SECTION 05-00057-02-RS IROQUOIS COUNTY		
PROJECT NUMBER: 03-46-0001-1		DATE: 02/04/08			
DESIGNED: L.F.S.		CHECKED:		DRAWN: W.J.S.	

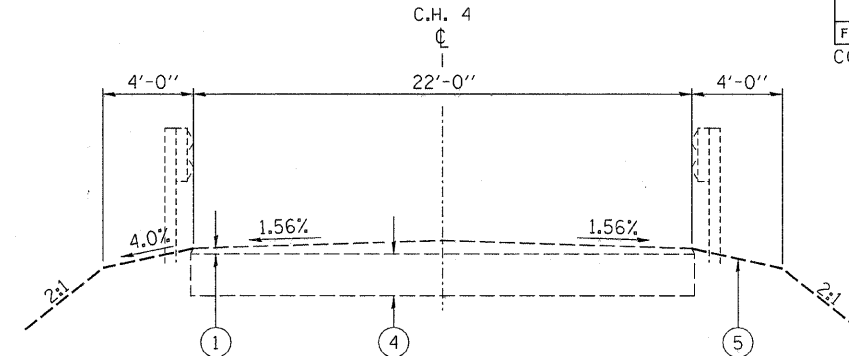
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057-02-RS	IROQUOIS	100	6
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
			CONTRACT NO. 87322	



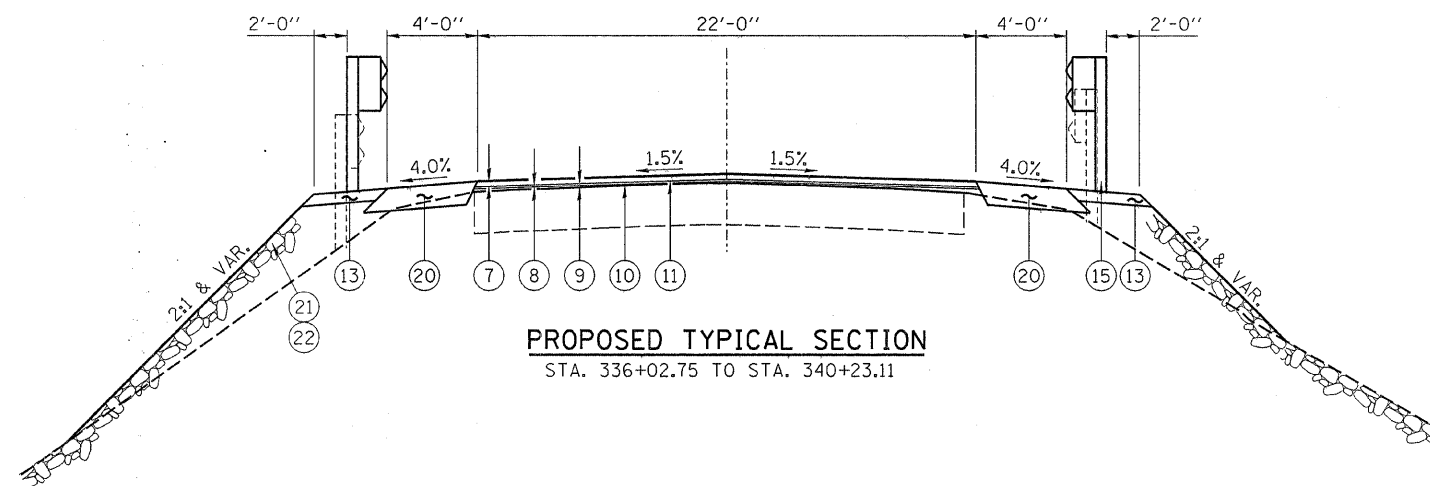
EXISTING TYPICAL SECTION
STA. 192+00.30 TO STA. 336+02.75



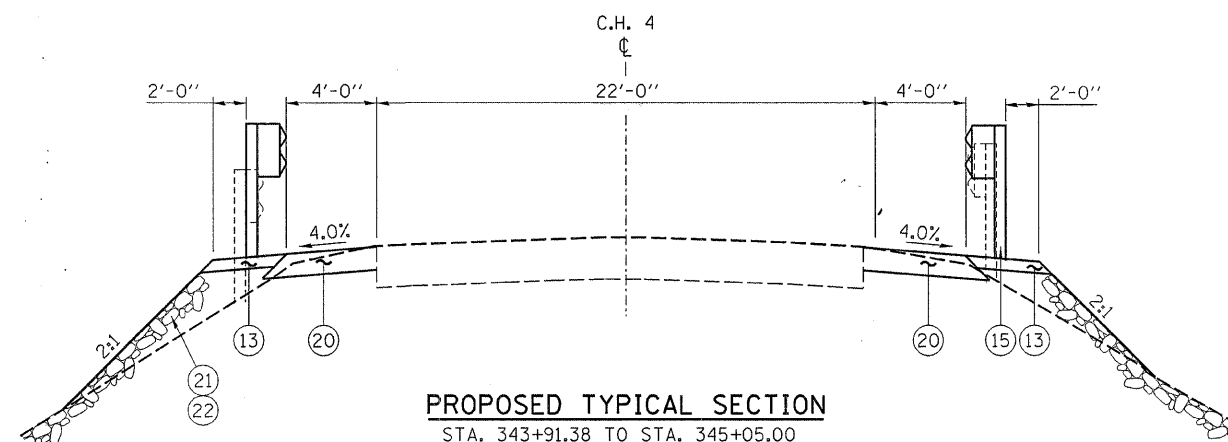
PROPOSED TYPICAL SECTION
STA. 192+00.30 TO STA. 336+02.75



EXISTING TYPICAL SECTION
STA. 336+02.75 TO STA. 340+23.11
STA. 343+91.38 TO STA. 345+05.00

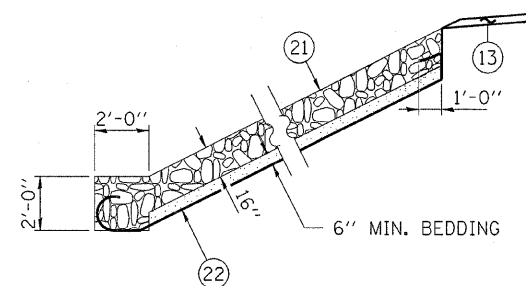


PROPOSED TYPICAL SECTION
STA. 336+02.75 TO STA. 340+23.11



PROPOSED TYPICAL SECTION
STA. 343+91.38 TO STA. 345+05.00

PAVEMENT DESIGN	
C.H. 4 STA. 192+60.30 TO STA. 340+23.11	
DESIGN PERIOD 20 YEARS	
STRUCTURAL DESIGN TRAFFIC (S.D.T.) = 1115.4 YEAR 2018	
P.V. = 982 S.U. = 78 M.U. = 56	
CLASS III ROAD	
PERCENT OF S.D.T. IN DESIGN LANE P = 50% S = 50% M = 50%	
80,000 LB. LOAD LIMIT	
DESIGN PER CHAPTER 37 SECTION 8.08 OF THE BUREAU OF	
LOCAL ROADS AND STREETS MANUAL	
TRAFFIC FACTOR = 0.30	
SN _f = 3.45	
SN _a = 2	
1.5" HMA SURFACE a ₁ = .6	
0.75" LEVELING BINDER a ₂ = .3	
1.75 HMA BINDER a ₃ = .58	



RIPRAP DETAIL
STA. 339+09.00 TO STA. 340+09.00
STA. 344+04.44 TO STA. 344+54.44

LEGEND

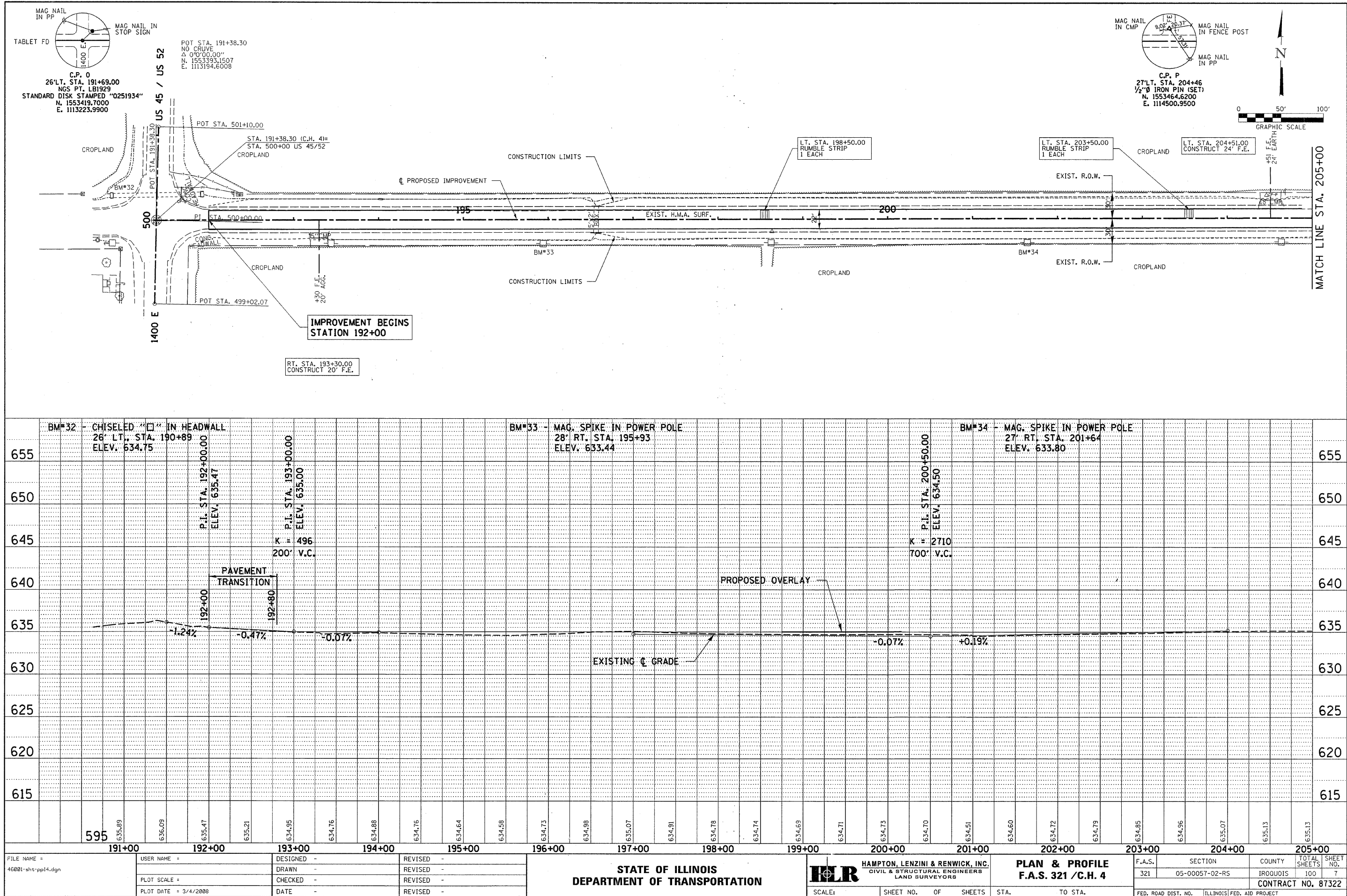
- | | | |
|--|--|--|
| ① EXISTING HMA SURFACE 3" | ⑧ LEVELING BINDER (MACHINE METHOD) N50 (0.75" MINIMUM THICKNESS) | ⑮ STEEL PLATE BEAM GUARDRAIL TYPE A |
| ② EXISTING AGGREGATE BASE COURSE 11" | ⑨ LEVELING BINDER (MACHINE METHOD) N50 (1.75" THICKNESS MIN) | ⑯ EARTH EMBANKMENT |
| ③ PCC CONCRETE PAVEMENT | ⑩ BITUMINOUS MATERIALS (PRIME COAT) | ⑰ INCIDENTAL HOT-MIX ASPHALT SURFACING |
| ④ EXISTING AGGREGATE BASE COURSE 9" | ⑪ AGGREGATE (PRIME COAT) | ⑱ AGGREGATE SURFACE COURSE 6" |
| ⑤ EXISTING EARTH SHOULDERS | ⑫ HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT | ⑲ AGGREGATE SHOULDER TYPE A 6" |
| ⑥ EXISTING STEEL PLATE BEAM GUARDRAIL | ⑬ HOT-MIX ASPHALT SHOULDERS 3" | ⑳ HOT MIX ASPHALT SHOULDERS 6" |
| ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (1 1/2" THICKNESS MIN.) | ⑭ | ㉑ STONE RIPRAP CLASS A-4 |
| | | ㉒ FILTER FABRIC |

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	
ELGIN	SPRINGFIELD
PROJECT NUMBER: 03-46-0001-1	DATE: 03/04/08
DESIGNED: L.F.S.	CHECKED: DRAWN: W.J.S.

TYPICAL SECTIONS
F.A.S. 321 / C.H. 4
SECTION 05-00057-02-RS
IROQUOIS COUNTY

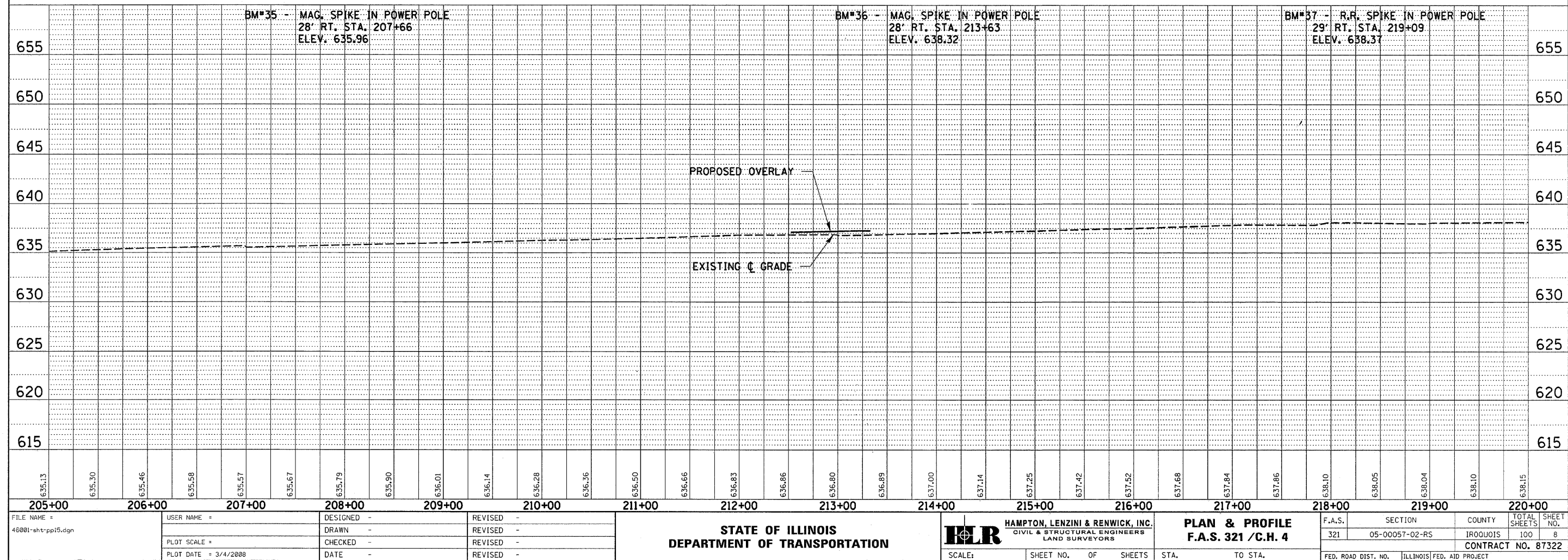
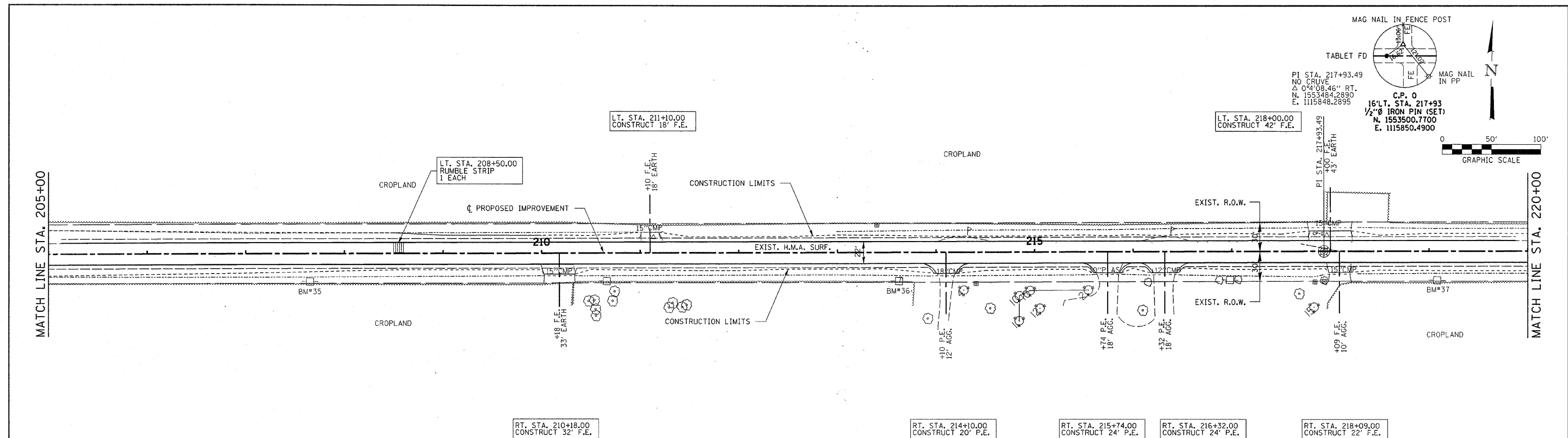
PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	STRUCTURE	NOTATION
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	STRUCTURE	NOTATION
	FILE NAME	



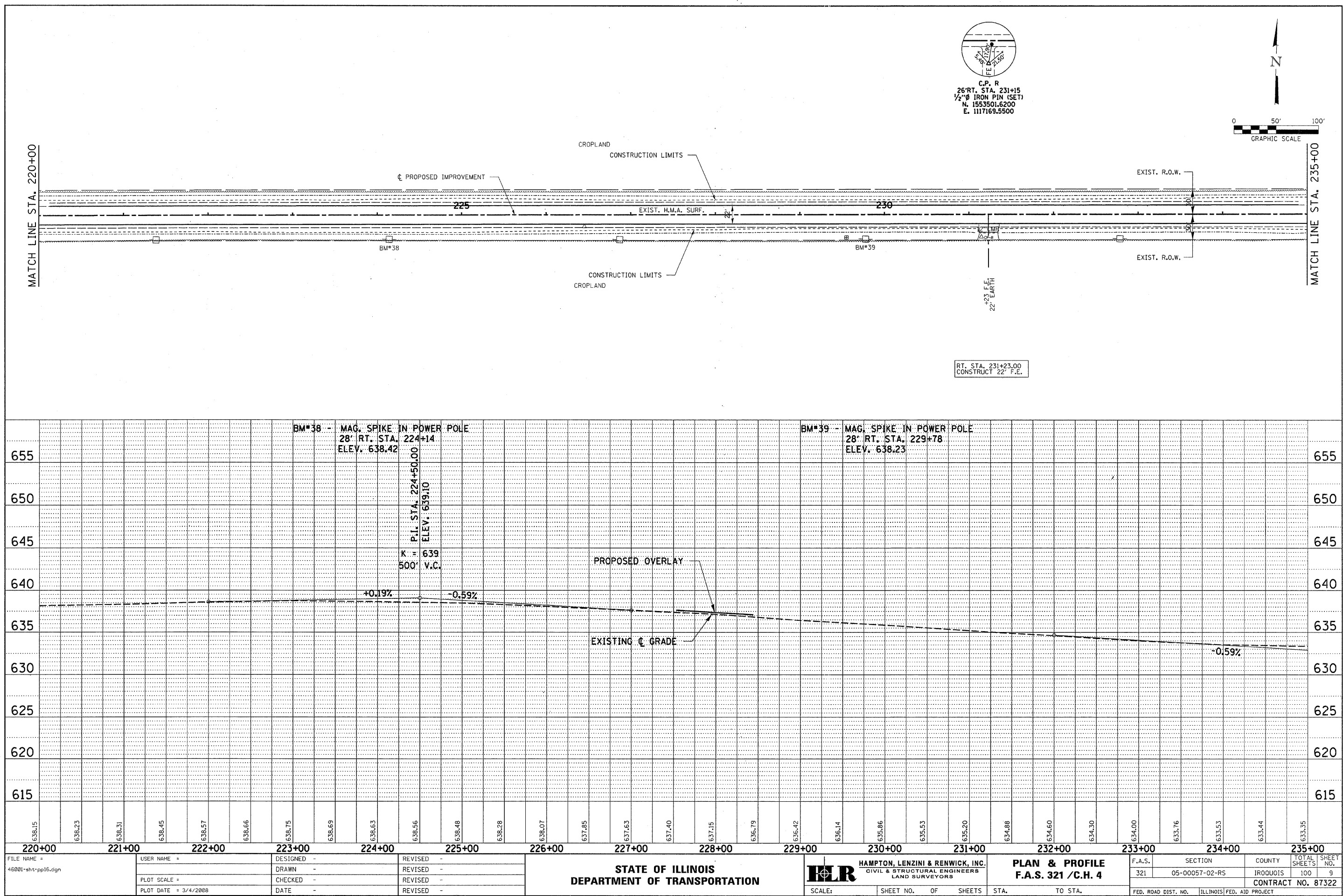
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE RETAINING CHKD		
	NOTE BOOK		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE RETAINING CHKD		
	NOTE BOOK		
	NO.		
	CADD FILE NAME		

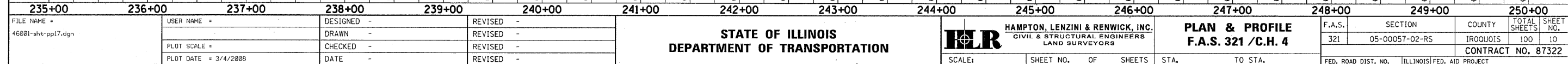


PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	FILE NAME		

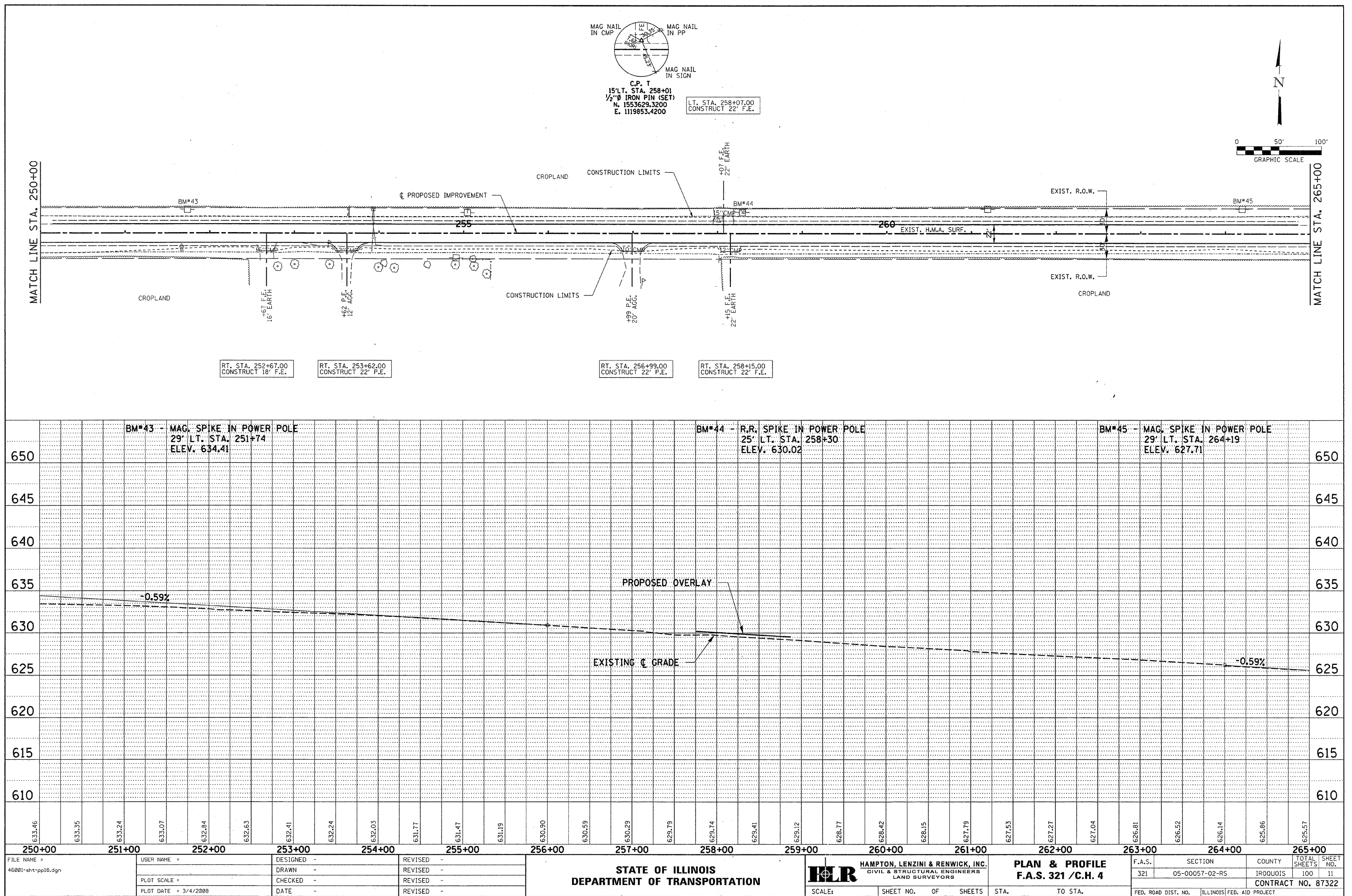


PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO. _____	GRADES CHECKED _____		
	B.M. NOTED _____		
	STRUCTURE NOTATIONS CHECKED _____		



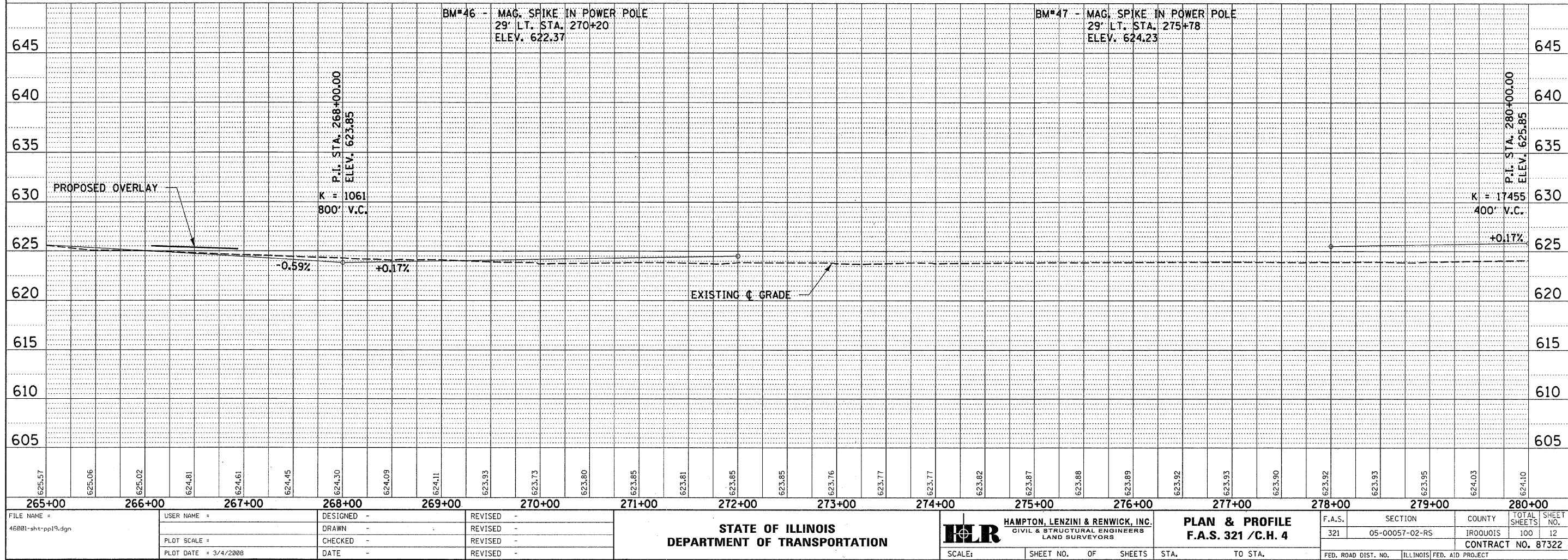
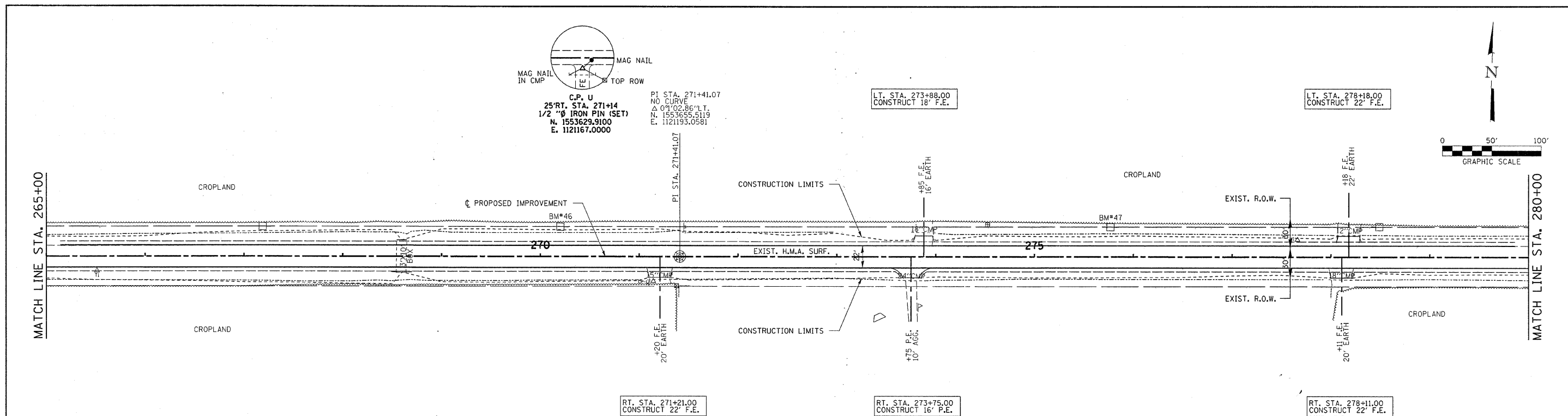
PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	ALIGNED	
	CONSTRUCTED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	GRADES CHECKED	
	STRUCTURE	NOTATION CHIRU



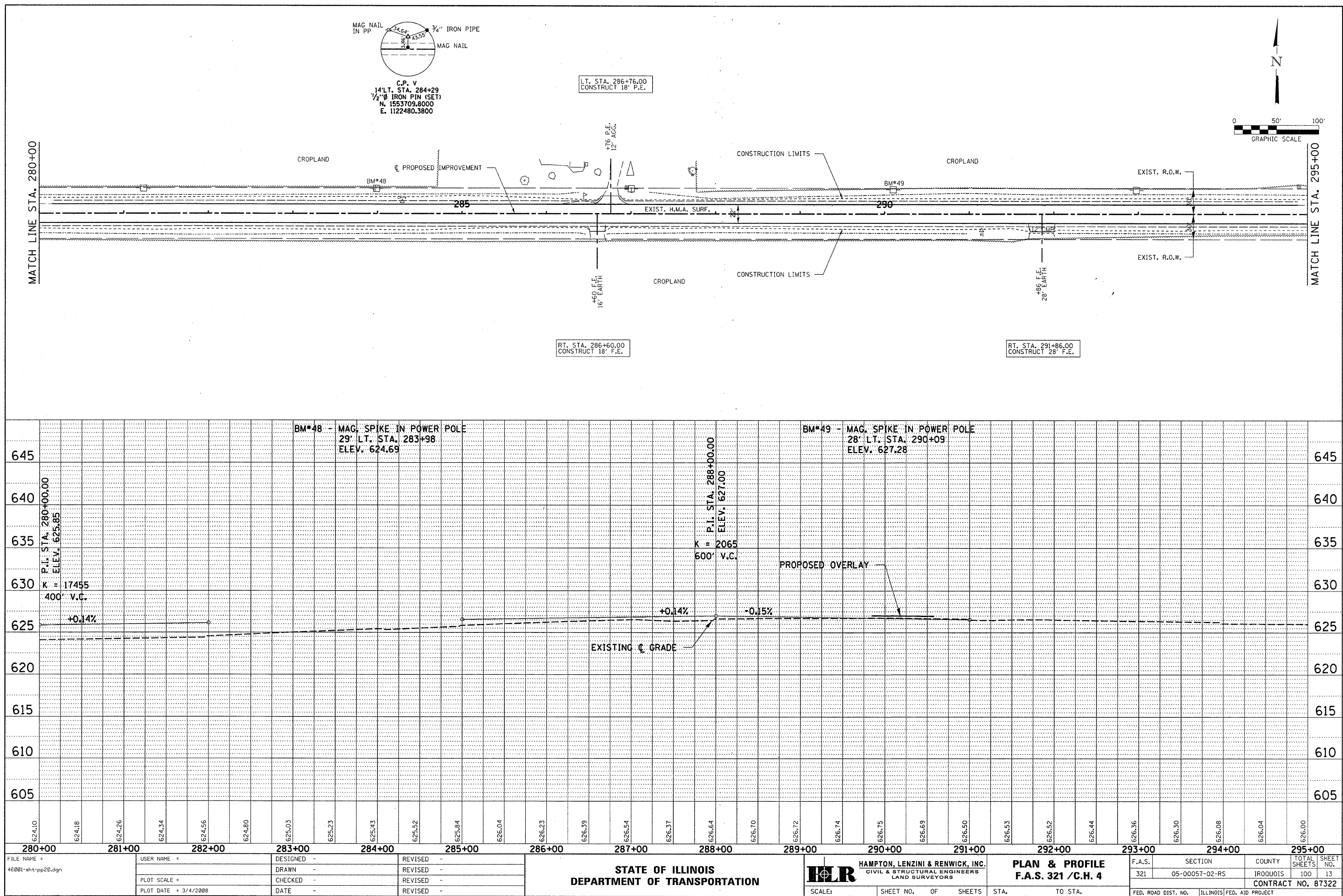
PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOTATIME CHFD	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOTATIME CHFD	
	NOTE BOOK	
	NO.	



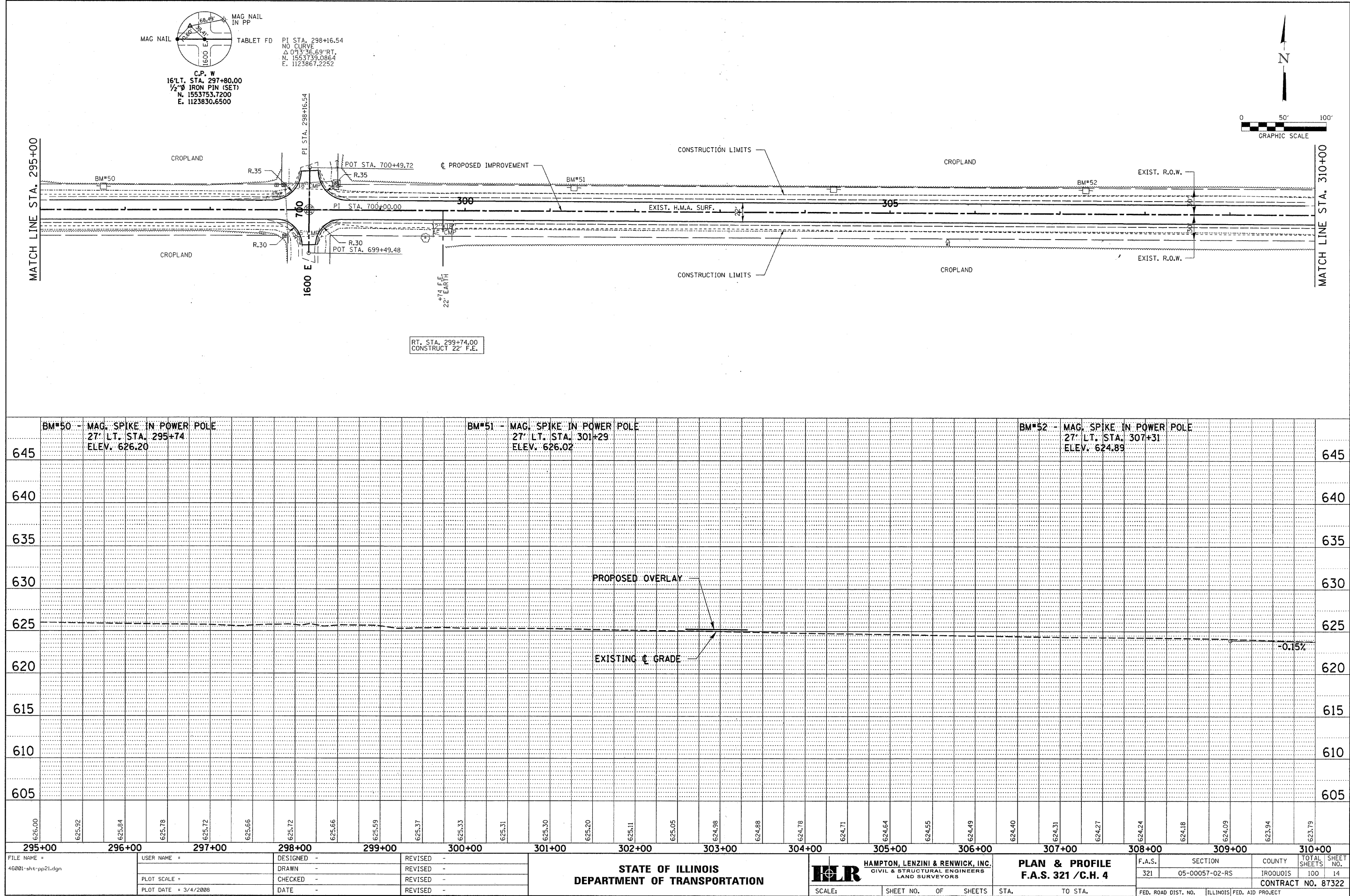
PLAN	SURVEYED	DATE
	BY	
NOTE BOOK	PLOTTED	
	CHECKED	
NO.	ALIGNED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	BY	
NOTE BOOK	PLOTTED	
	CHECKED	
NO.	STRUCTURE	
	NOTATION CHKD	



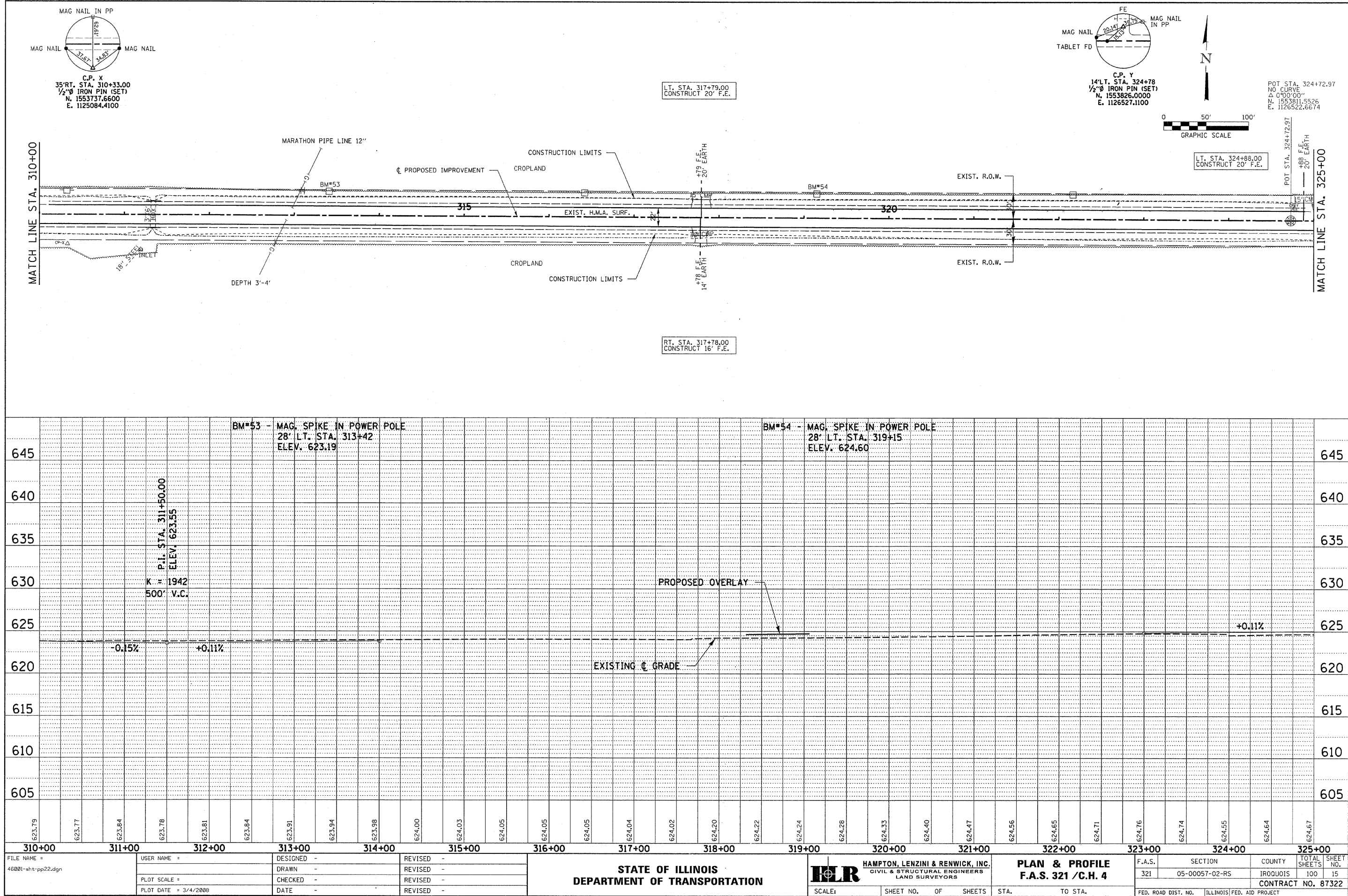
DATE	BY
REVIEWED	DATE
PLANNED	DATE
NOTE BOOK	DATE
NO.	DATE

DATE	BY
REVIEWED	DATE
PLANNED	DATE
NOTE BOOK	DATE
NO.	DATE



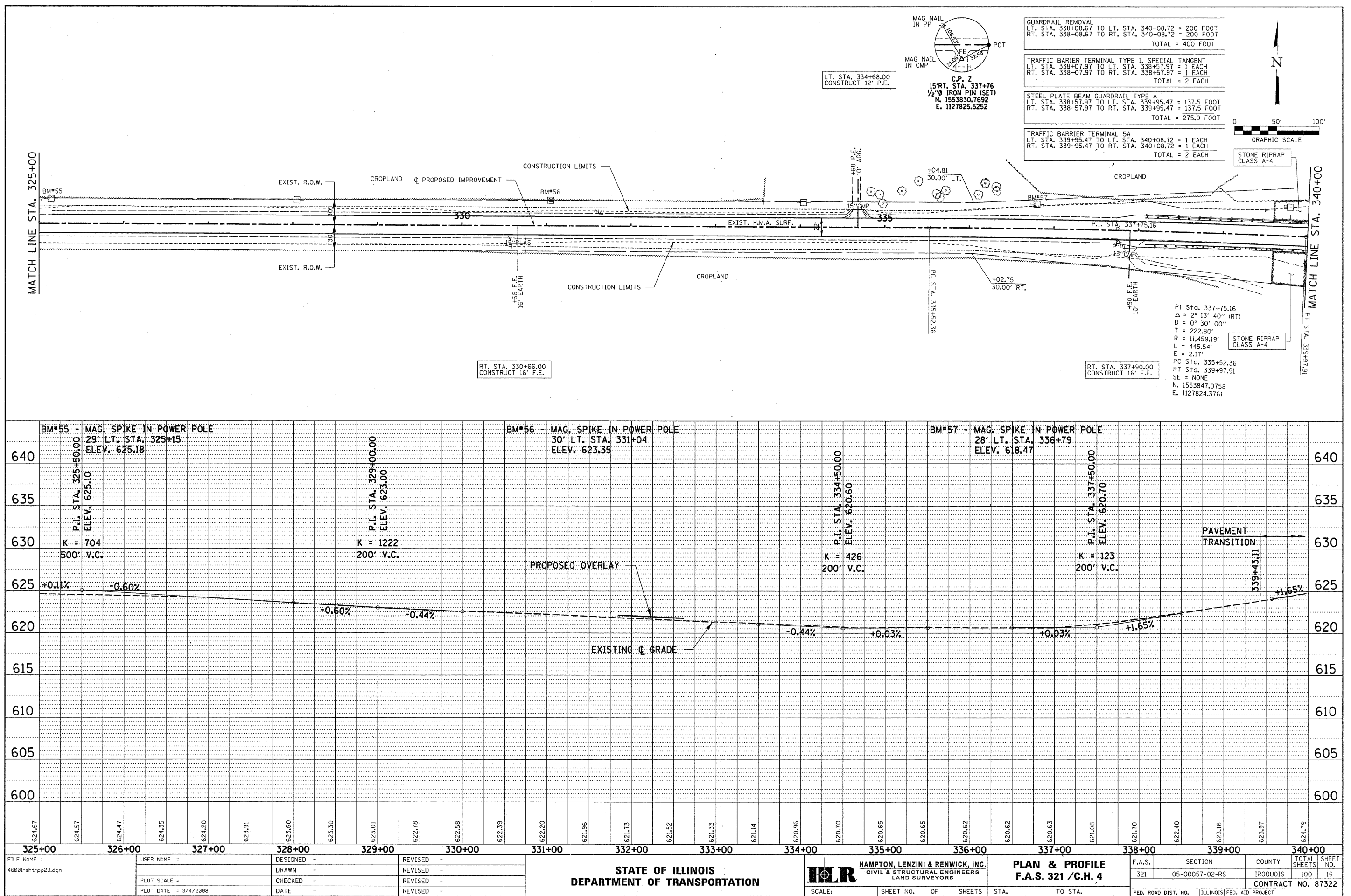
PLAN	SURVEYED	BY	DATE
	NOTED		
NOTE BOOK	DESIGNED		
	NO.		
NO.	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	NOTED		
NOTE BOOK	DESIGNED		
	NO.		
NO.	FILE NAME		

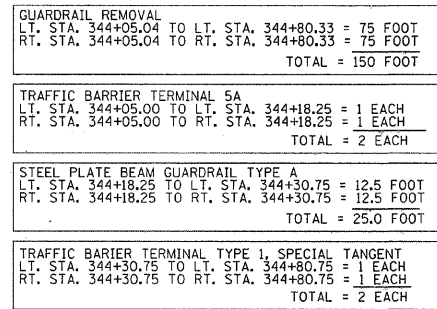


PLAN	SURVEYED	DATE
NOTE BOOK	BY	
NO.	NO.	

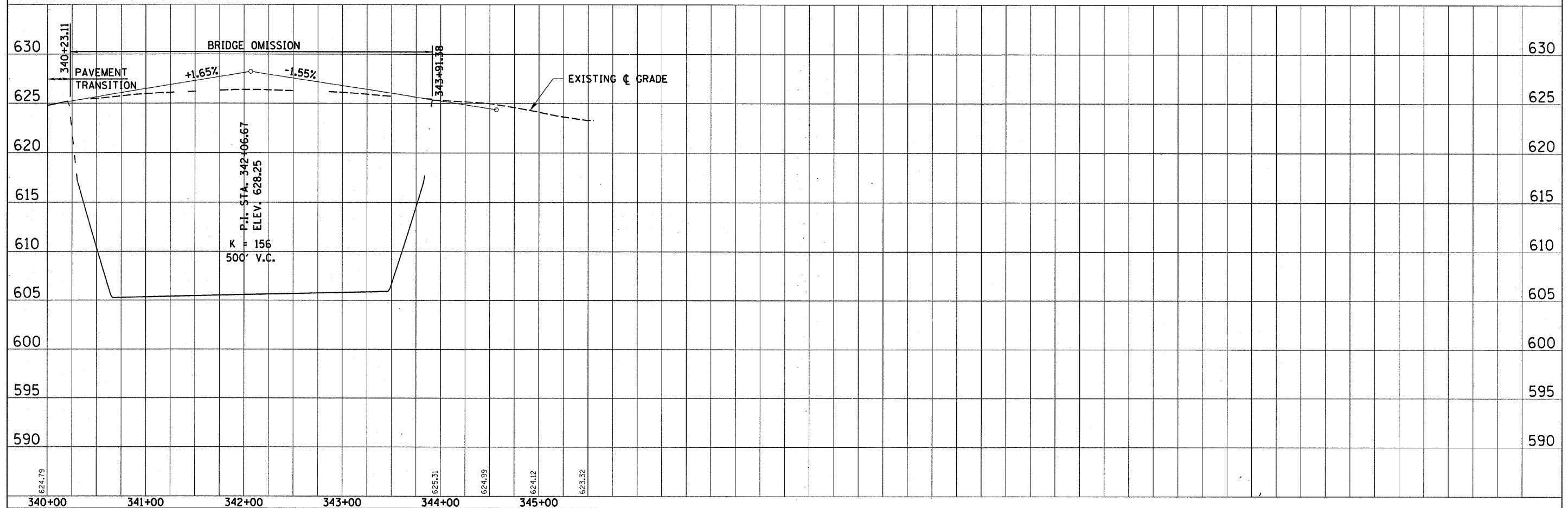
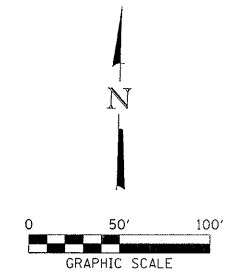
PROFILE	SURVEYED	DATE
NOTE BOOK	BY	
NO.	NO.	



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK	GRADES CHECKED		
	B.M. NOTED		
NO. _____	STRUCTURE NOTATIONS CHECKED		

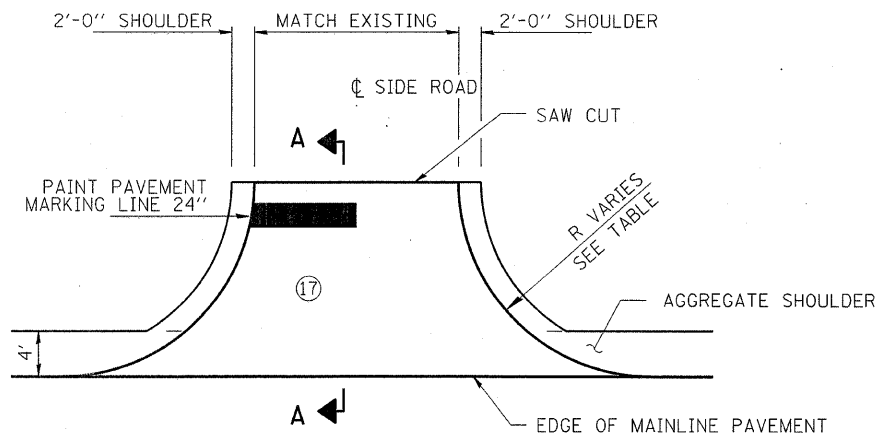


CENTER LINE COORDINATES		
LOCATION	NORTHING	EASTING
P.O.T. STA. 191+38.30	1553393.1507	1113194.6008
P.I. STA. 217+93.49	1553484.2895	1115848.2287
P.I. STA. 244+47.54	1553572.1940	1118500.8241
P.I. STA. 271+41.06	1553655.5119	1121193.0581
P.I. STA. 298+16.54	1553739.0864	1123867.2255
P.O.T. STA. 324+72.97	1553811.5526	1126522.6673
P.I. STA. 337+75.16	1553847.0758	1127824.3761
P.O.T. STA. 343+91.38	1553839.9284	1128440.507
P.O.T. STA. 346+91.38	1553836.4491	1128740.687



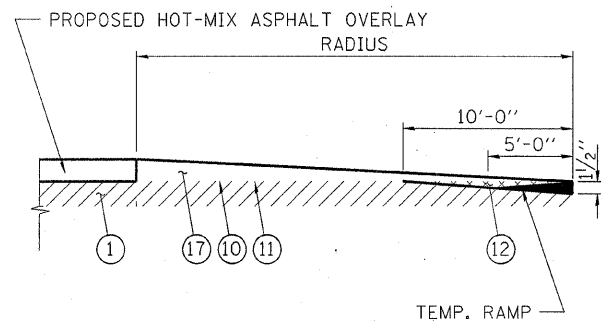
FILE NAME = 46001-sh-t-pp24.dgn	USER NAME =	DESIGNED -	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE F.A.S. 321 /C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -	321			05-00057-02-RS	IRROUOIS	100	17	
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322							
PLOT DATE = 3/13/2008	DATE -	REVISED -	SCALE:			SHEET NO.	OF	SHEETS	STA.	TO STA.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057-02-RS	IROQUOIS	100	18
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
			CONTRACT NO. 87322	

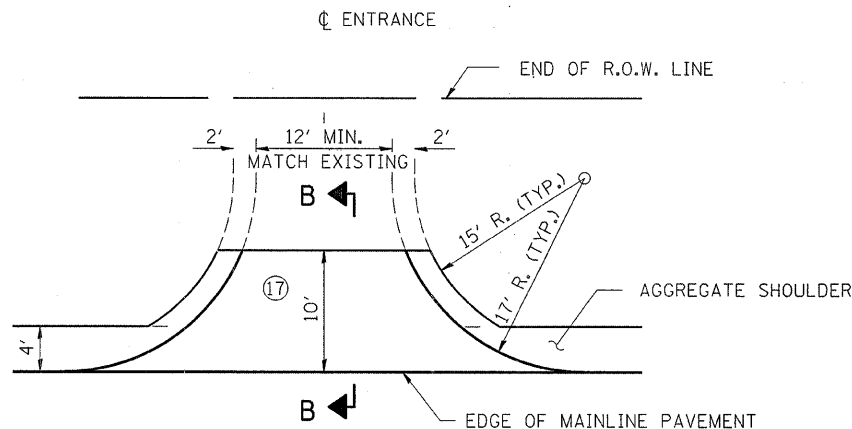


SIDE ROAD DETAIL

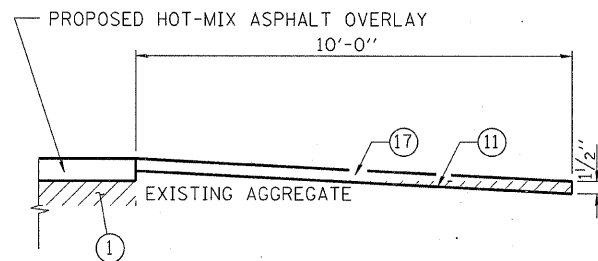
STATION	LOCATION	RADIUS	SECTION
STA. 600+00	SR 1500 E (NORTH)	35	A-A
STA. 600+00	SR 1500 E (SOUTH)	35	A-A
STA. 700+00	SR 1600 E (NORTH)	35	A-A
STA. 700+00	SR 1600 E (SOUTH)	30	A-A



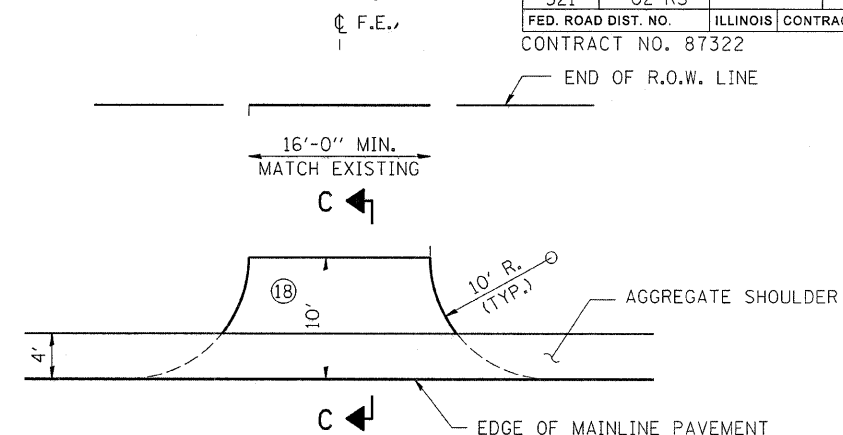
SECTION A-A



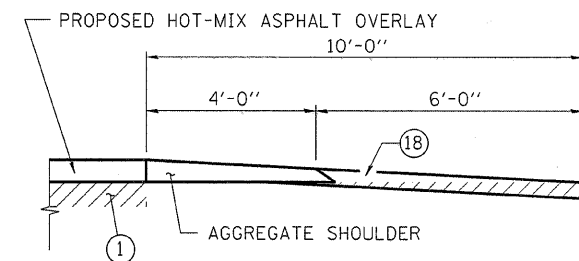
PRIVATE ENTRANCE DETAIL



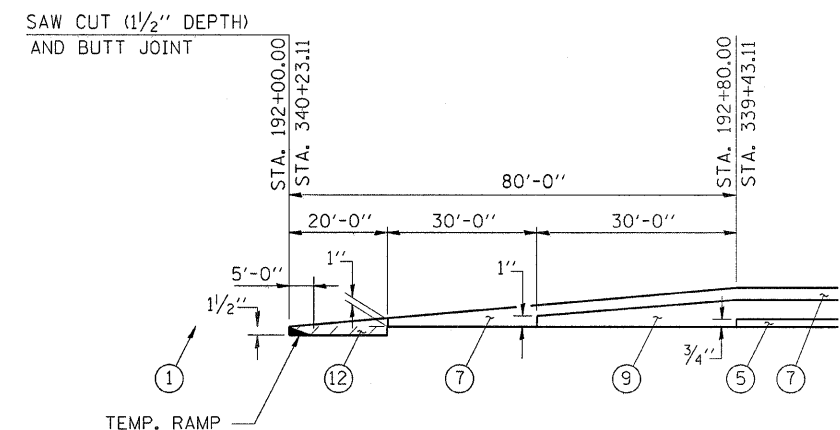
SECTION B-B



FIELD ENTRANCE DETAIL



SECTION C-C



PAVEMENT TRANSITION DETAIL

LEGEND

- | | | |
|--|--|--|
| ① EXISTING HMA SURFACE 3" | ⑧ LEVELING BINDER (MACHINE METHOD) N50 (0.75" MINIMUM THICKNESS) | ⑮ STEEL PLATE BEAM GUARDRAIL TYPE A |
| ② EXISTING AGGREGATE BASE COURSE 11" | ⑨ LEVELING BINDER (MACHINE METHOD) N50 (1.75" THICKNESS MIN) | ⑯ EARTH EMBANKMENT |
| ③ PCC CONCRETE PAVEMENT | ⑩ BITUMINOUS MATERIALS (PRIME COAT) | ⑰ INCIDENTAL HOT-MIX ASPHALT SURFACING |
| ④ EXISTING AGGREGATE BASE COURSE 9" | ⑪ AGGREGATE (PRIME COAT) | ⑱ AGGREGATE SHOULDER TYPE A 6" |
| ⑤ EXISTING EARTH SHOULDERS | ⑫ HOT-MIX ASPHALT SURFACE REMOVAL, BUTT-JOINT | ⑳ HOT MIX ASPHALT SHOULDERS 6" |
| ⑥ EXISTING STEEL PLATE BEAM GUARDRAIL | ⑬ HOT-MIX ASPHALT SHOULDERS 3" | ㉑ STONE RIPRAP CLASS A-4 |
| ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (1 1/2" THICKNESS MIN.) | ⑭ | ㉒ FILTER FABRIC |

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400		ENTRANCE DETAILS F.A.S. 321 / C.H. 4 SECTION 05-00057-02-RS IROQUOIS COUNTY	
ELGIN • SPRINGFIELD PROJECT NUMBER: 03-46-0001-1 DESIGNED: L.F.S.		DATE: 03/04/08 CHECKED: DRAWN: W.J.S.	

PLOT DATE : 3/13/2008 FILE NAME = 46001-shr-erosion.dgn

GENERAL NOTES FOR SOIL EROSION CONTROL

- SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
- PERIMETER EROSION BARRIER SHALL BE INSTALLED AT LOCATIONS SPECIFIED IN THE PLANS AT 4 FEET OUTSIDE THE TOE OF SLOPE OR INSIDE THE RIGHT-OF-WAY WHICHEVER IS CLOSER TO THE CENTERLINE, OR AS DIRECTED BY THE ENGINEER PRIOR TO THE START OF ANY EARTHWORK, CULVERT, OR STORM SEWER CONSTRUCTION. STAKES SHALL BE PLACED AT A MINIMUM OF 4 FOOT INTERVALS. SEE CODE 920 OF THE ILLINOIS URBAN MANUAL AND CONTRACT SPECIAL PROVISIONS.
- THE PERIMETER EROSION BARRIER SHALL BE REMOVED WITHIN 30 DAYS AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED WITH VEGETATION. AFTER THE PERIMETER EROSION BARRIER IS REMOVED, ALL AREAS DAMAGED BY THE FENCE INSTALLATION SHALL BE RESTORED.
- THE FENCE INSTALLATION, MAINTENANCE, REMOVAL AND THE RESTORATION OF THE AREA DISTURBED BY THE FENCE INSTALLATION IS INCLUDED IN COST OF THE PAY ITEM PERIMETER EROSION BARRIER.
- TEMPORARY DITCH CHECKS SHALL BE CONSTRUCTED AS PER CONTRACT SPECIAL PROVISIONS OR AS SHOWN HEREON OR AS DIRECTED BY THE ENGINEER. THE DITCH CHECKS SHALL BE INSTALLED IMMEDIATELY AS GRADING PROGRESSES THROUGH THE PROJECT. THE PAY ITEM FOR TEMPORARY DITCH CHECK SHALL INCLUDE THE COST OF INSTALLATION, MAINTENANCE AND REMOVAL.
- REMOVAL OF TRAPPED SEDIMENT SHALL BE PAID FOR AS EARTH EXCAVATION. SEDIMENT SHALL BE REMOVED WHEN SILTATION REACHES 50% CAPACITY OF STRUCTURE. SEE APPLICABLE STANDARDS, SPECIFICATIONS, AND CONTRACT SPECIAL PROVISIONS FOR: EROSION AND SEDIMENT CONTROL, ILLINOIS URBAN MANUAL.
- THE CONTRACTOR SHALL CLEAN UP AND GRADE THE WORK AREA AS THE PROJECT PROGRESSES TO ELIMINATE THE CONCENTRATION OF RUNOFF. THE PAVEMENT SHALL BE CLEANED DAILY TO REMOVE EARTH MATERIAL TO THE SATISFACTION OF THE ENGINEER.
- ALL DISTURBED AREAS SHALL BE SEEDED AS DIRECTED BY THE ENGINEER. FINAL SEEDING SHALL CONFORM TO SEEDING CLASS 2 SPECIAL AS PER IDOT STANDARD SPECIFICATIONS AND CONTRACT SPECIAL PROVISIONS.
- THE CONTRACTOR SHALL MAINTAIN AND PRESERVE ANY EXISTING SUB SURFACE DRAINAGE SYSTEMS (I.e. FIELD TILES) ACCORDING TO SECTION 611 OF THE IDOT STANDARD SPECIFICATIONS.

INLET AND PIPE PROTECTION			
LOCATION	STATION		EACH
RT STA	193+10.00	15" CMP	1
LT STA	204+60.00	18" CMP	1
RT STA	210+40.00	15" CMP	1
LT STA	211+30.00	15" CMP	1
RT STA	214+40.00	18" CMP	1
RT STA	216+60.00	12" CMP	1
LT STA	218+25.00	15" CMP	1
RT STA	218+25.00	15" CMP	1
RT STA	231+00.00	12" CMP	1
RT STA	252+50.00	15" CMP	1
RT STA	256+70.00	10" CMP	1
LT STA	257+90.00	15" CMP	1
RT STA	257+95.00	12" CMP	1
RT STA	271+50.00	15" CMP	1
LT STA	274+00.00	18" CMP	1
RT STA	274+00.00	24" CMP	1
LT STA	278+35.00	12" CMP	1
RT STA	278+35.00	18" CMP	1
RT STA	291+70.00	12" CMP	1
RT STA	299+60.00	18" CMP	1
RT STA	317+95.00	30" CMP	1
LT STA	317+95.00	15" CMP	1
RT STA	330+50.00	15" PVC	1
LT STA	330+50.00	15" CMP	1
LT STA	325+20.00	15" CMP	1
TOTAL			25

STONE RIPRAP, CLASS A4		
LOCATION	RIPRAP CLASS A4 TONS	FILTER FABRIC SQ YD
CH 4		
LT. STA. 339+75 TO LT. STA. 340+23.11	106	136
RT. STA. 339+75 TO RT. STA. 340+23.11	144	185
LT. STA. 344+05.00 TO LT. STA. 344+55.00	109	141
RT. STA. 344+05.00 TO RT. STA. 344+55.00	78	101
TOTAL		437 563

PERIMETER EROSION BARRIER	
LOCATION	FOOT
CH 4	
RT. STA. 196+40.00 TO RT. STA. 196+70.00	30
LT. STA. 196+40.00 TO LT. STA. 196+70.00	30
RT. STA. 235+25.00 TO RT. STA. 235+45.00	20
LT. STA. 235+25.00 TO LT. STA. 235+45.00	20
RT. STA. 268+45.00 TO RT. STA. 268+75.00	30
LT. STA. 268+45.00 TO LT. STA. 268+75.00	30
RT. STA. 311+20.00 TO RT. STA. 311+40.00	20
LT. STA. 311+20.00 TO LT. STA. 311+40.00	20
RT. STA. 337+50.00 TO RT. STA. 340+23.11	273
LT. STA. 337+50.00 TO LT. STA. 340+23.11	273
RT. STA. 344+05.00 TO RT. STA. 345+05.00	125
LT. STA. 344+05.00 TO LT. STA. 345+05.00	125
TOTAL	996

EROSION CONTROL BLANKET	
LOCATION	SQ YD
CH 4	
RT. STA. 338+00.00 TO RT. STA. 339+75.00	228
LT. STA. 338.00.00 TO LT. STA. 339+75.00	267
RT. STA. 344+05.00 TO RT. STA. 345+05.00	30
LT. STA. 344+05.00 TO LT. STA. 345+05.00	50
TOTAL	575

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 321	05-00057 -02-RS	IROQUOIS	100	19
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO.	
CONTRACT NO. 87322				

TEMPORARY DITCH CHECKS		
LOCATION	STATION	EACH
RT STA	193+00.00	1
LT STA	196+40.00	1
RT STA	196+40.00	1
LT STA	196+70.00	1
RT STA	196+70.00	1
LT STA	202+00.00	1
RT STA	202+00.00	1
LT STA	207+00.00	1
RT STA	207+00.00	1
LT STA	213+00.00	1
RT STA	213+00.00	1
LT STA	220+00.00	1
RT STA	220+00.00	1
LT STA	231+00.00	1
RT STA	235+30.00	1
LT STA	235+30.00	1
RT STA	235+50.00	1
LT STA	235+50.00	1
RT STA	241+00.00	1
LT STA	241+00.00	1
RT STA	250+00.00	1
LT STA	250+00.00	1
RT STA	255+00.00	1
LT STA	255+00.00	1
RT STA	260+00.00	1
LT STA	260+00.00	1
RT STA	265+00.00	1
LT STA	265+00.00	1
RT STA	268+50.00	1
LT STA	268+50.00	1
RT STA	268+70.00	1
LT STA	268+70.00	1
RT STA	284+00.00	1
LT STA	284+00.00	1
RT STA	291+00.00	1
LT STA	291+00.00	1
RT STA	297+00.00	1
LT STA	297+00.00	1
RT STA	299+00.00	1
LT STA	299+00.00	1
RT STA	305+00.00	1
LT STA	305+00.00	1
RT STA	311+00.00	1
LT STA	311+00.00	1
RT STA	311+50.00	1
LT STA	311+50.00	1
RT STA	315+00.00	1
LT STA	315+00.00	1
RT STA	318+00.00	1
LT STA	318+00.00	1
RT STA	323+00.00	1
LT STA	323+00.00	1
RT STA	330+00.00	1
LT STA	330+00.00	1
RT STA	334+00.00	1
LT STA	334+00.00	1
RT STA	337+00.00	1
LT STA	337+00.00	1
TOTAL		58

HLR

HAMPTON, LENZINI & RENWICK, INC.

CIVIL & STRUCTURAL ENGINEERS

LAND SURVEYORS

3085 STEVENSON DRIVE, SUITE 201

SPRINGFIELD, ILLINOIS 62703

(217) 546-3400

ELGIN

SPRINGFIELD

PROJECT NUMBER: 03-46-0001-1

DATE: 01/31/08

DESIGNED: L.F.S.

CHECKED:

DRAWN: W.J.S.

EROSION CONTROL

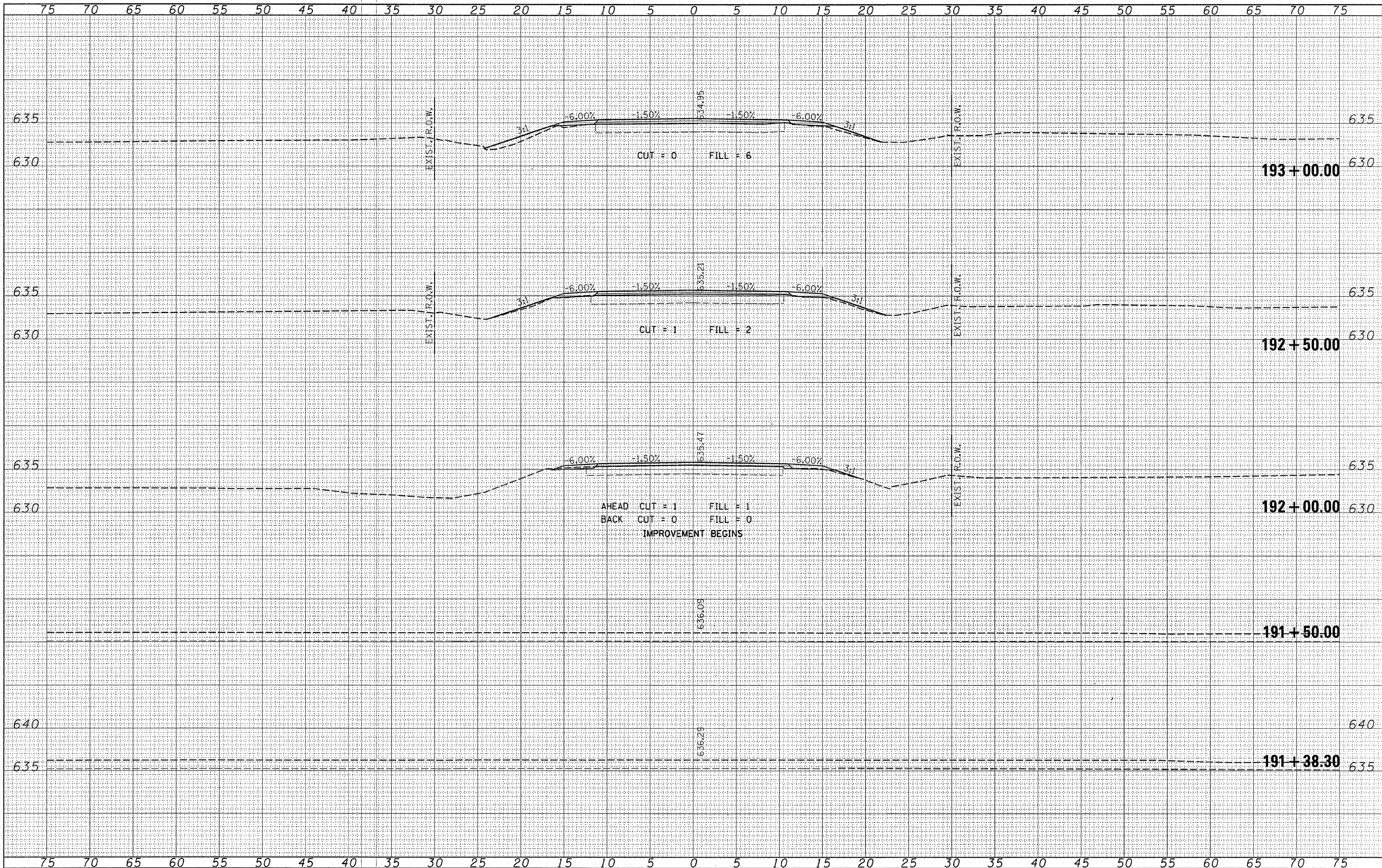
F.A.S. 321 / C.H. 4

SECTION 05-00057-02-RS

IROQUOIS COUNTY

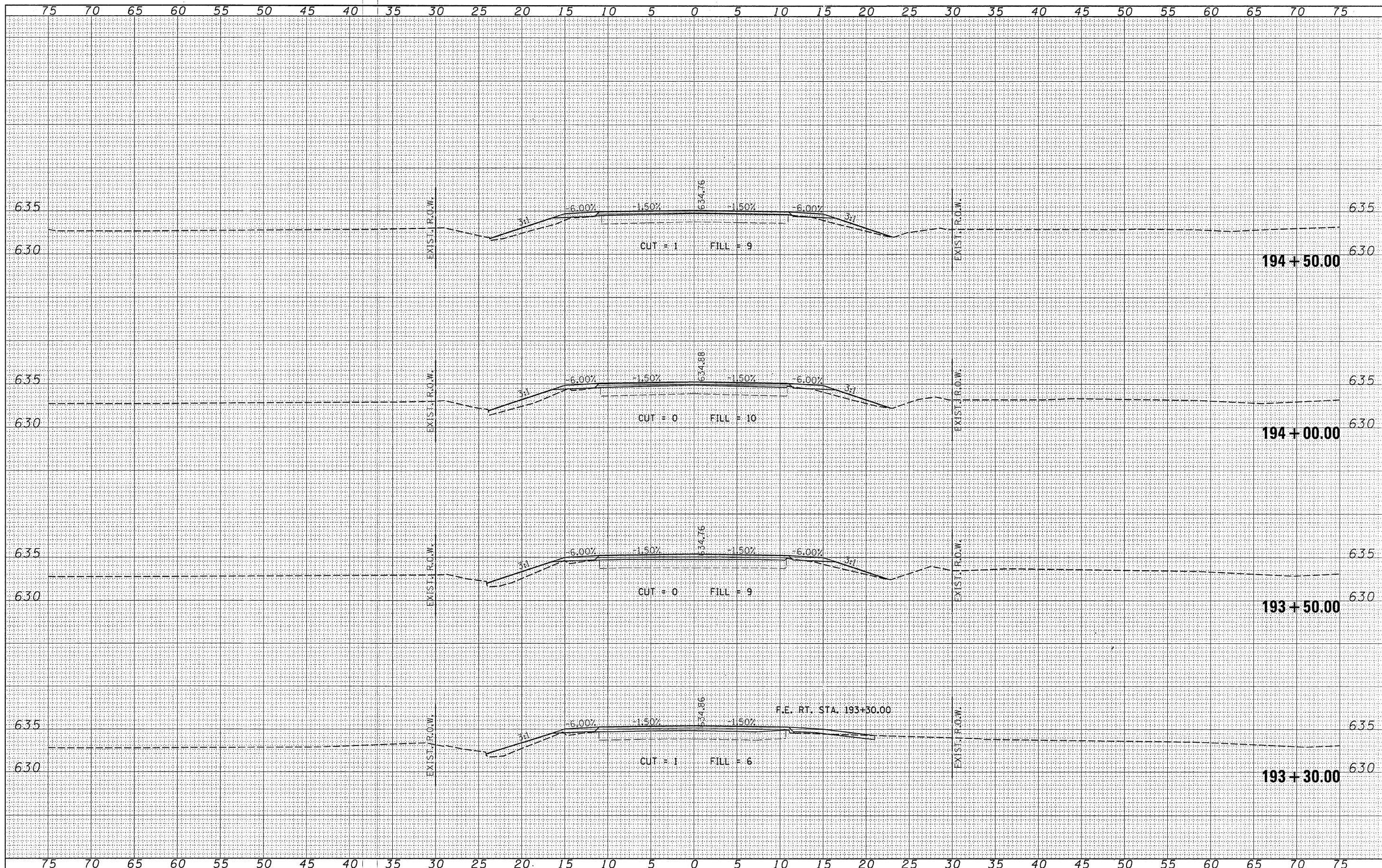
DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREA CHECKED
NO.	NO.

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREA CHECKED
NO.	NO.



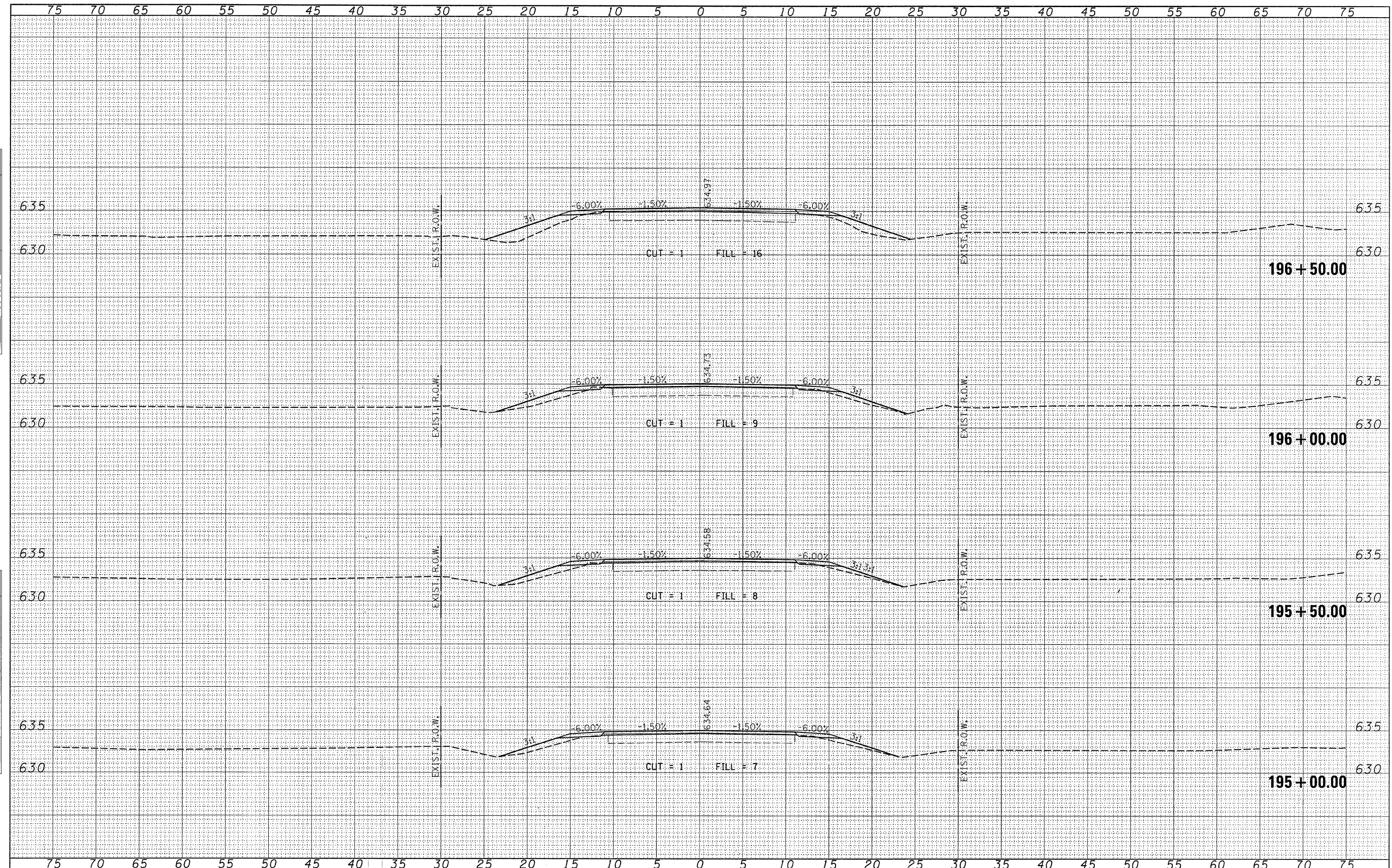
DATE	BY	SURVEYED	PLOTTED	REVIEWED	AREAS CHECKED
		NO.	NO.	NO.	NO.

DATE	BY	SURVEYED	PLOTTED	REVIEWED	AREAS CHECKED
		NO.	NO.	NO.	NO.



FILE NAME = 46001-shr-x.s.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S. 321	SECTION 05-00057-02-RS	COUNTY IROQUOIS	TOTAL SHEETS 100	SHEET NO. 21
PLOT SCALE =	CHECKED -	DATE -	REVISED -	SCALE: 5:10	SHEET NO. OF SHEETS	STA. 193+30.00 TO STA. 194+50.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 87322		

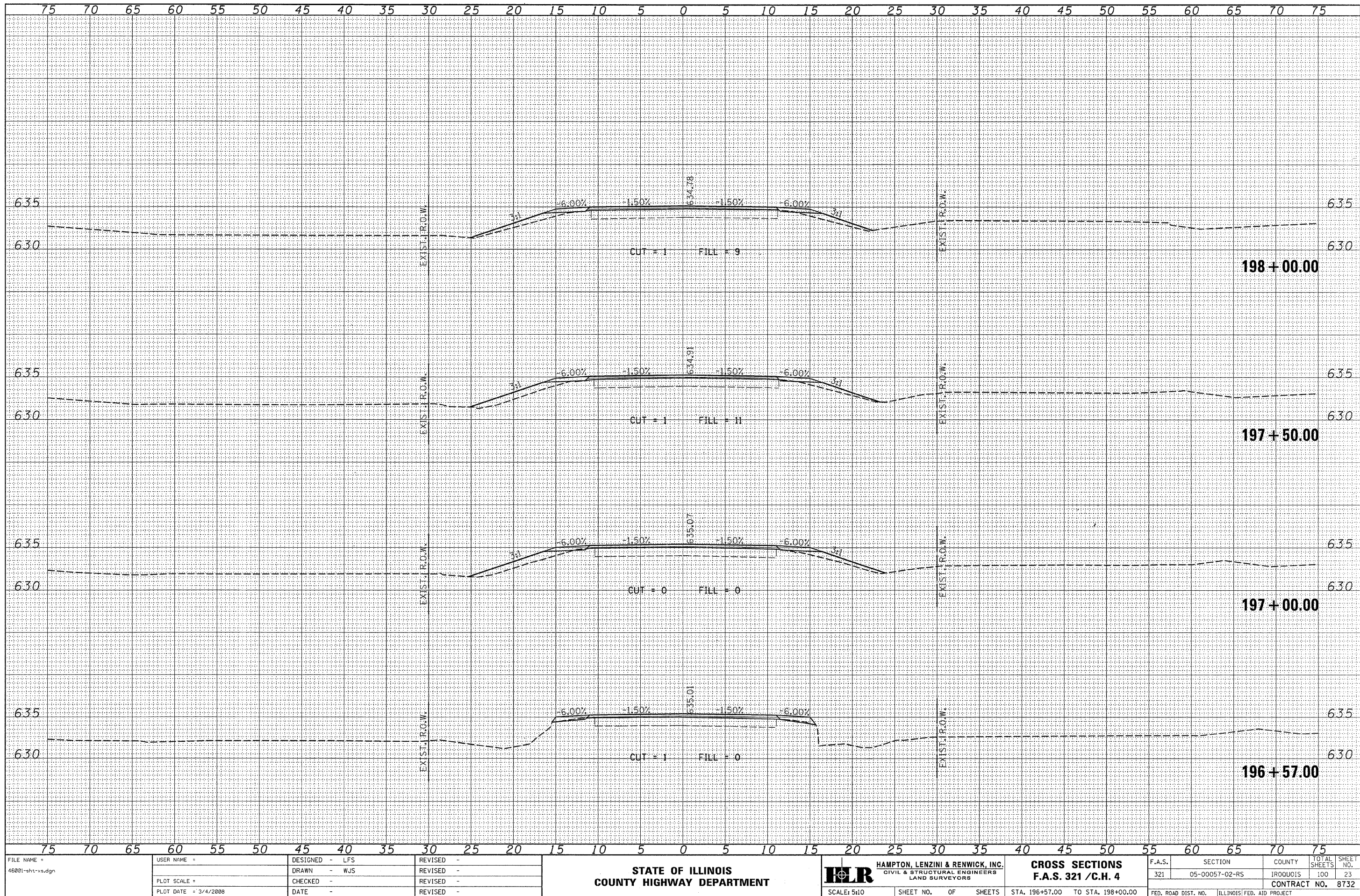
FINAL SURVEY	SURVEYED	BY	DATE
	PLOTTED _____ TEMPLATE _____ AREAS _____ AREAS CHECKED _____		
NO.			

[illegible]

FILE NAME = 46001-sh1-x.s.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - WJS	REVISED -	321				05-00057-02-RS	IROQUOIS	100	22	
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322								
PLOT DATE = 3/4/2008	DATE -	REVISED -	FFD. ROAD DIST. NO. ILLINOIS FFD. AID PROJECT STA. 195+00.00 TO STA. 196+50.00								
			SCALE: 5:10	SHEET NO. OF SHEETS							

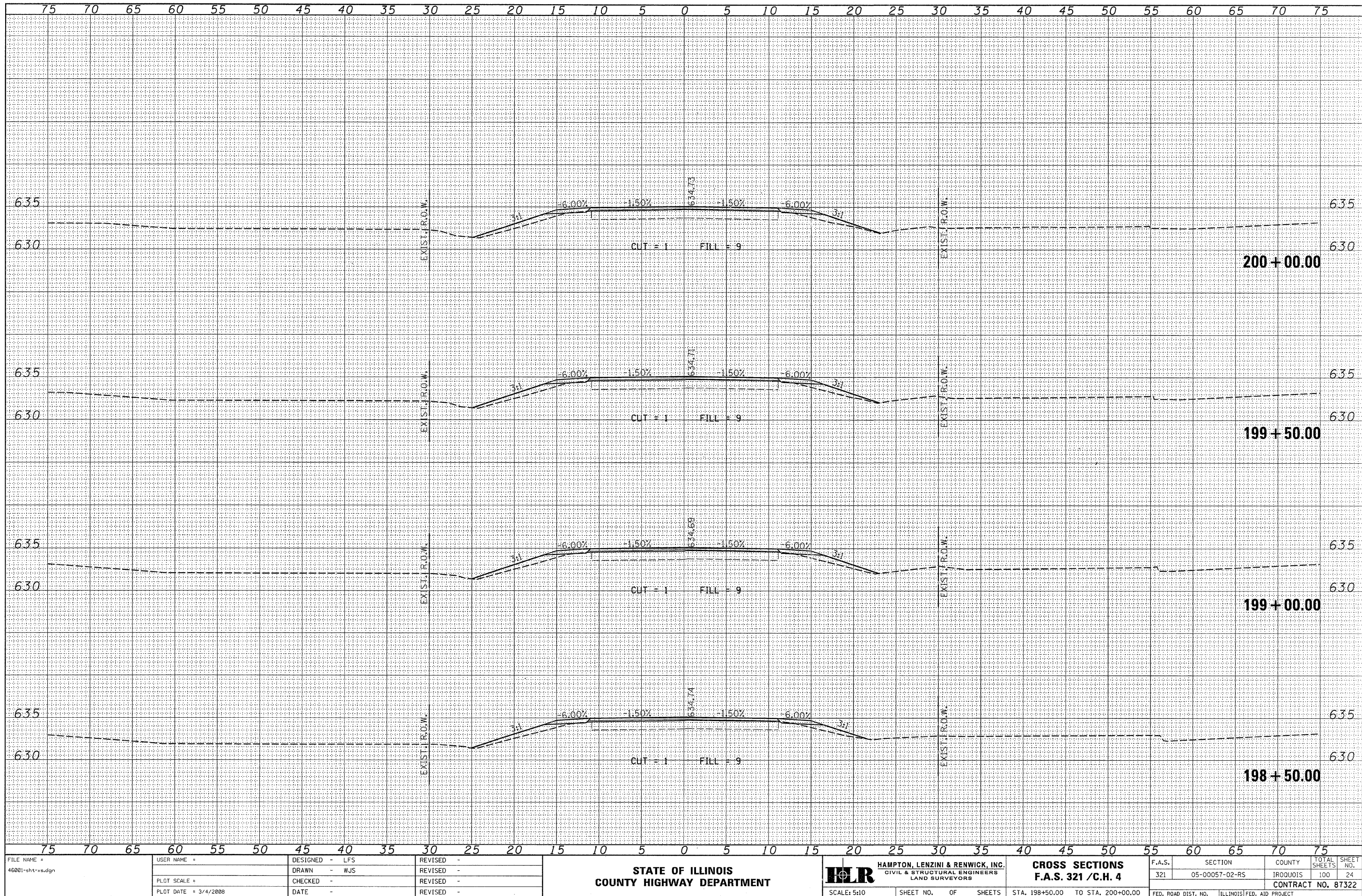
DATE	BY	FINAL SURVEY	SURVEYED
		NOTED	PLOTTED
		NO. OF	AREAS CHECKED

DATE	BY	ORIGINAL SURVEY	SURVEYED
		NOTED	PLOTTED
		NO. OF	AREAS CHECKED



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

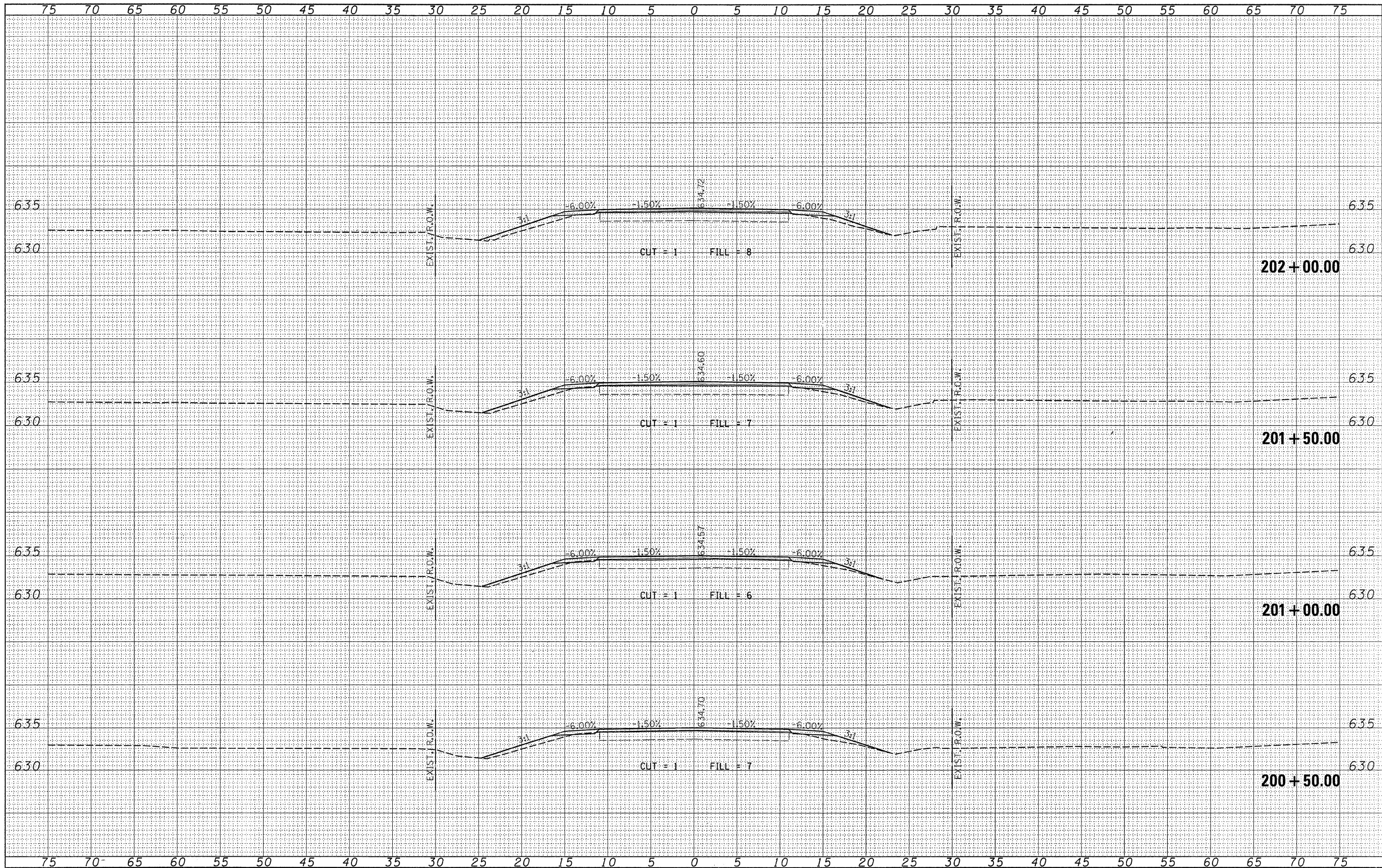
DATE	BY	ORIGINAL SURVEY	SURVEYED
		NOTE BOOK	PLOTTED
		AREAS	REMARKS
		CHECKED	NO.



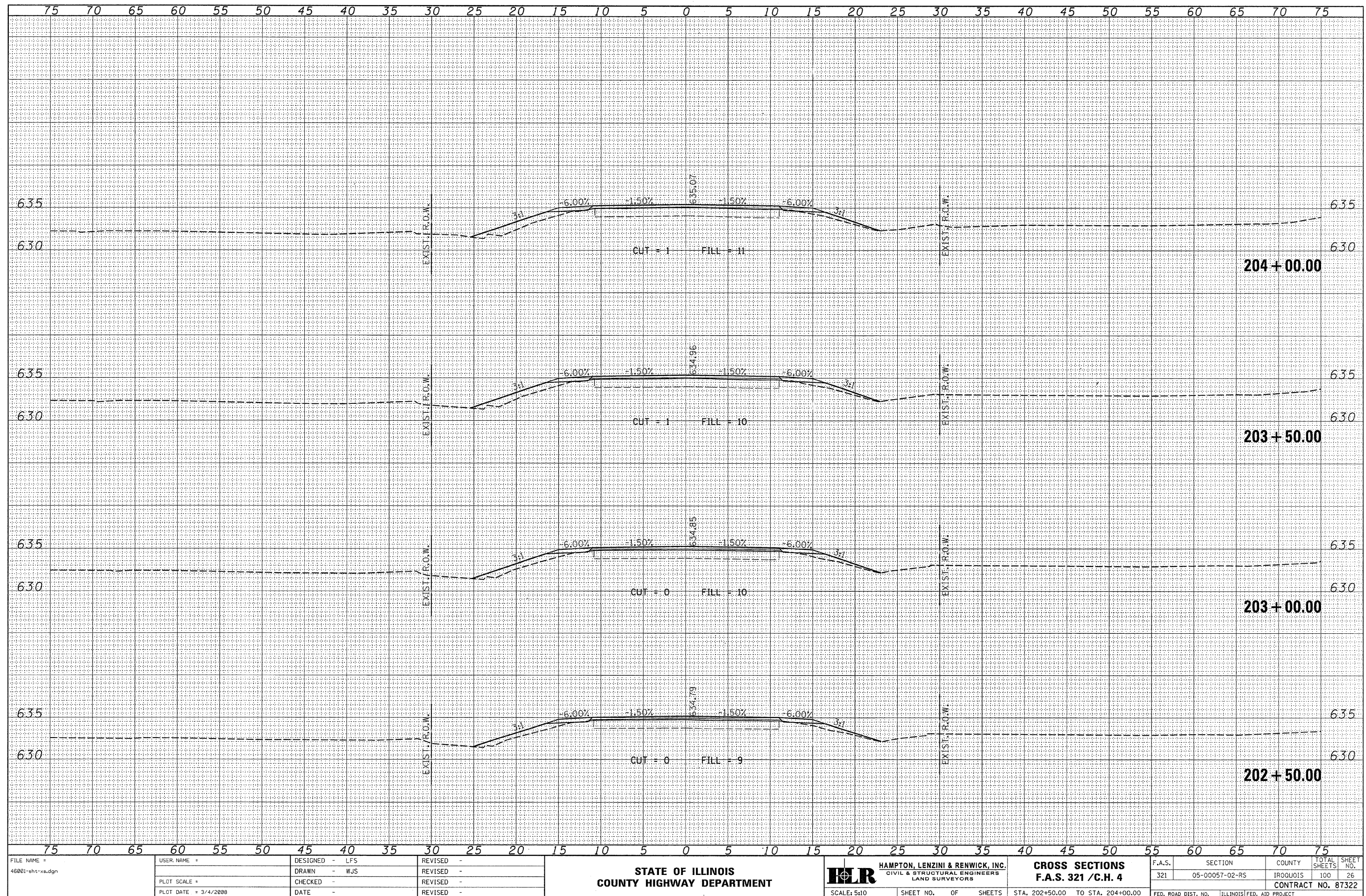
FILE NAME = 46001-shr-x.sdg	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	HLR HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	SCALE: 5:10	SHEET NO. OF SHEETS	STA. 198+50.00 TO STA. 200+00.00	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - WJS	REVISED -							321	05-00057-02-RS	IROQUOIS	100	24
PLOT SCALE =		CHECKED -	REVISED -							CONTRACT NO. 87322				
PLOT DATE = 3/4/2008		DATE -	REVISED -							FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY	DATE
	BY
	SURVEYED
	PLOTTED
NO. _____	NOTE BOOK
	AREA
	CHECKED
	NO.

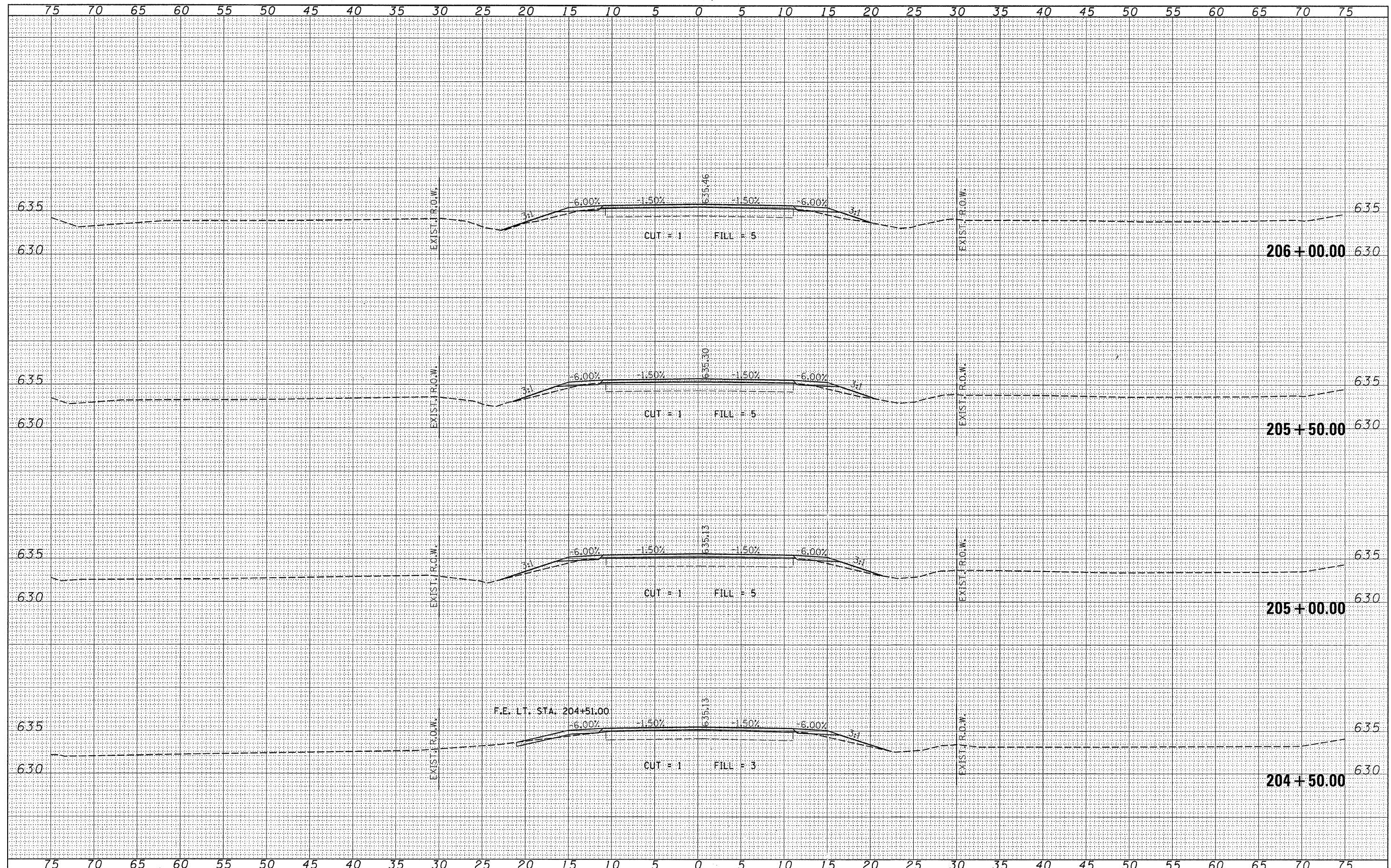
ORIGINAL SURVEY	DATE
	BY
	SURVEYED
	PLOTTED
NO. _____	NOTE BOOK
	AREA
	CHECKED
	NO.



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



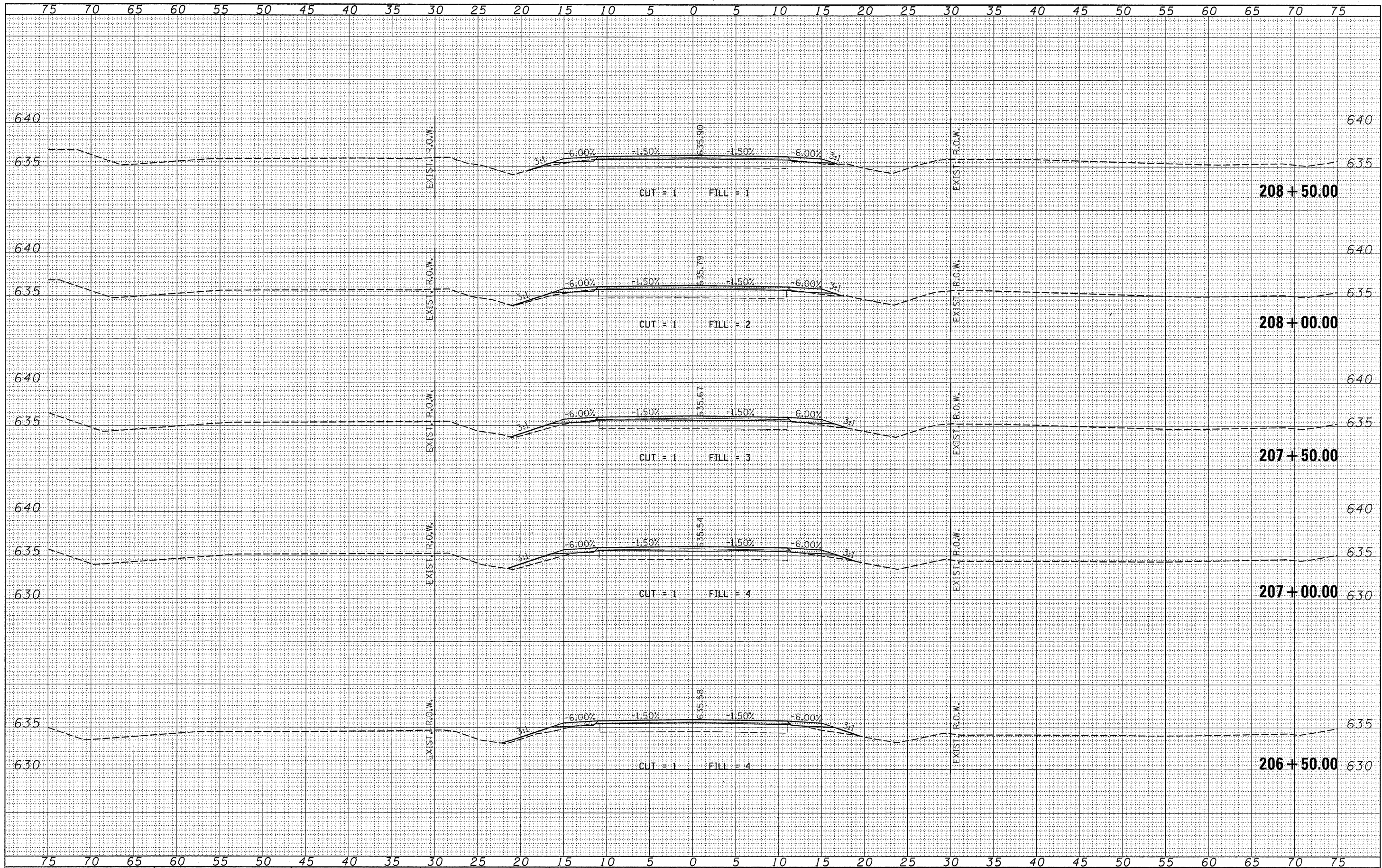
FINAL SURVEY	BY	DATE
SURVEYED _____		
PLOTTED _____		
TEMPLATE _____		
AREAS _____		
AREAS CHECKED _____		

[illegible]

FILE NAME = 468001-sht-xs.dgn	USER NAME =	DESIGNED - LFS	REVISED -	 HAMPDEN, LENZI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - WJS	REVISED -			321	05-00057-02-RS	IROQUOIS	100	27	
	PLOT SCALE =	CHECKED -	REVISED -			CONTRACT NO. 87322					
	PLOT DATE = 3/4/2008	DATE -	REVISED -								
				SCALE: 5:10	SHEET NO. OF SHEETS	STA. 204+50.00 TO STA. 206+00.00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

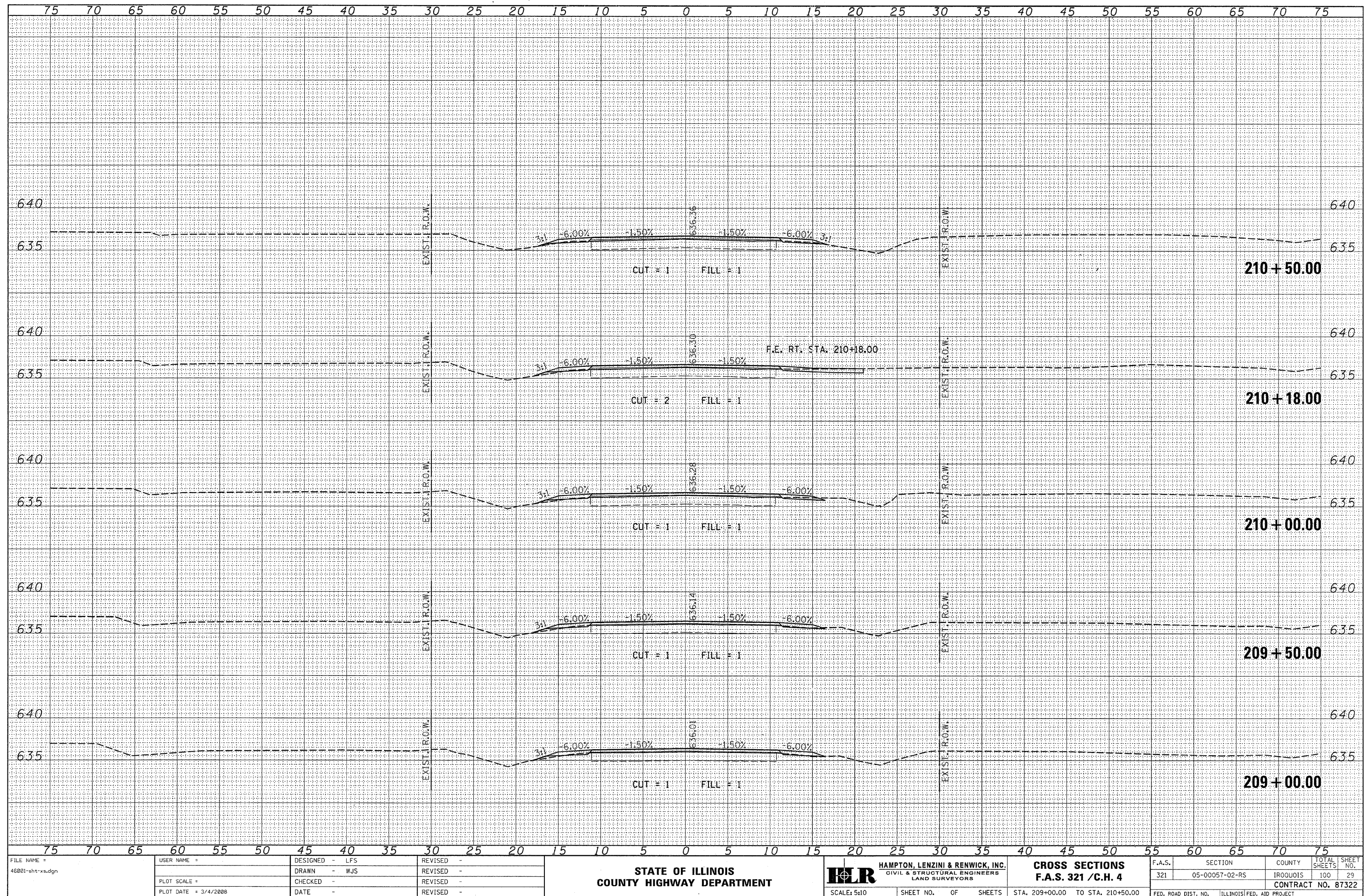
DATE	BY	NO.
ORIGINAL SURVEY	SURVEYED	PLOTTED
NOTE BOOK	DATE	AREAS
		CHECKED

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

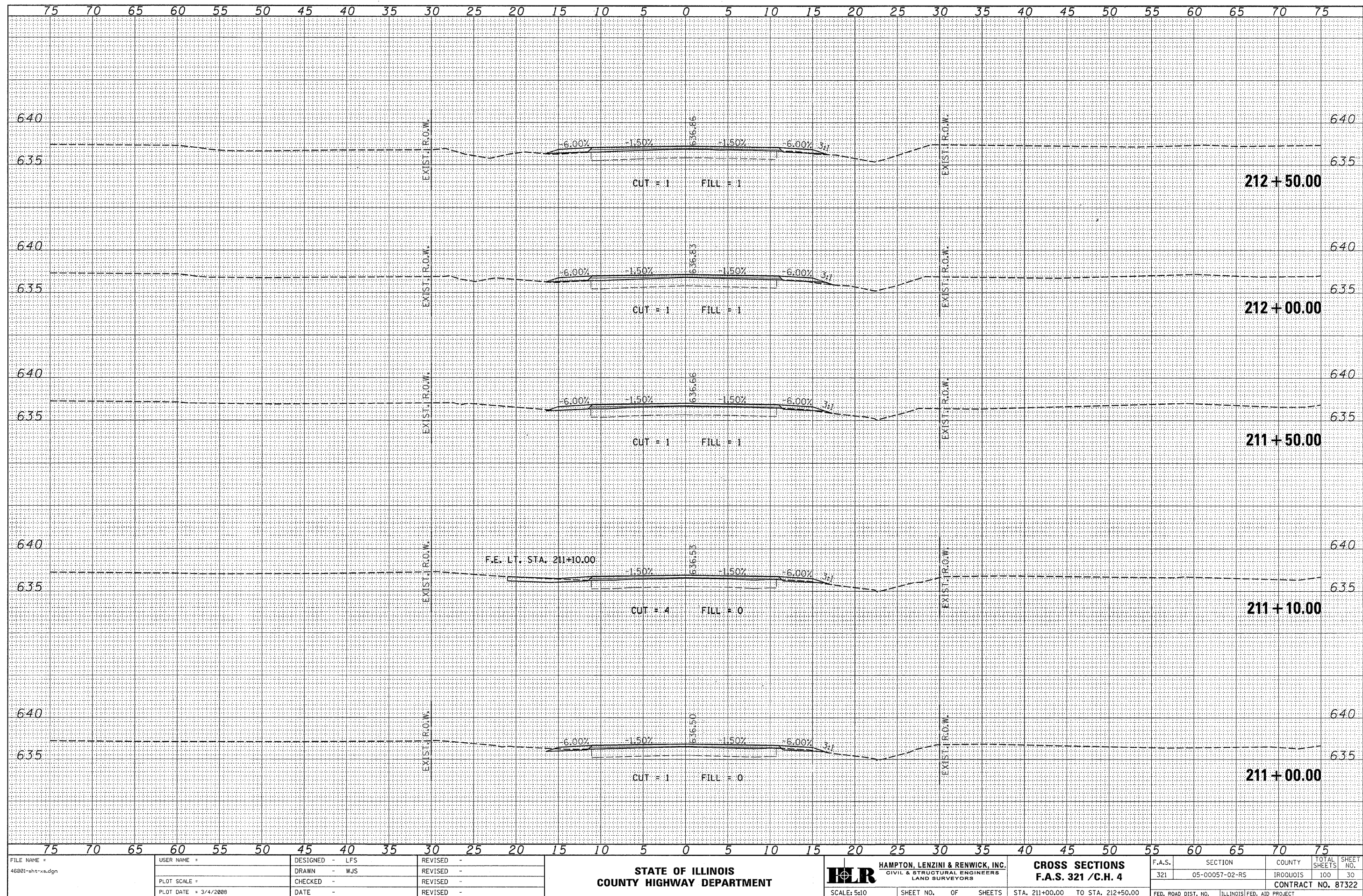


FINAL SURVEY			
NOTE BOOK	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
	AREAS CHECKED _____		

ORIGINAL SURVEY	SUMMERED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
NO	AREAS CHECKED _____		

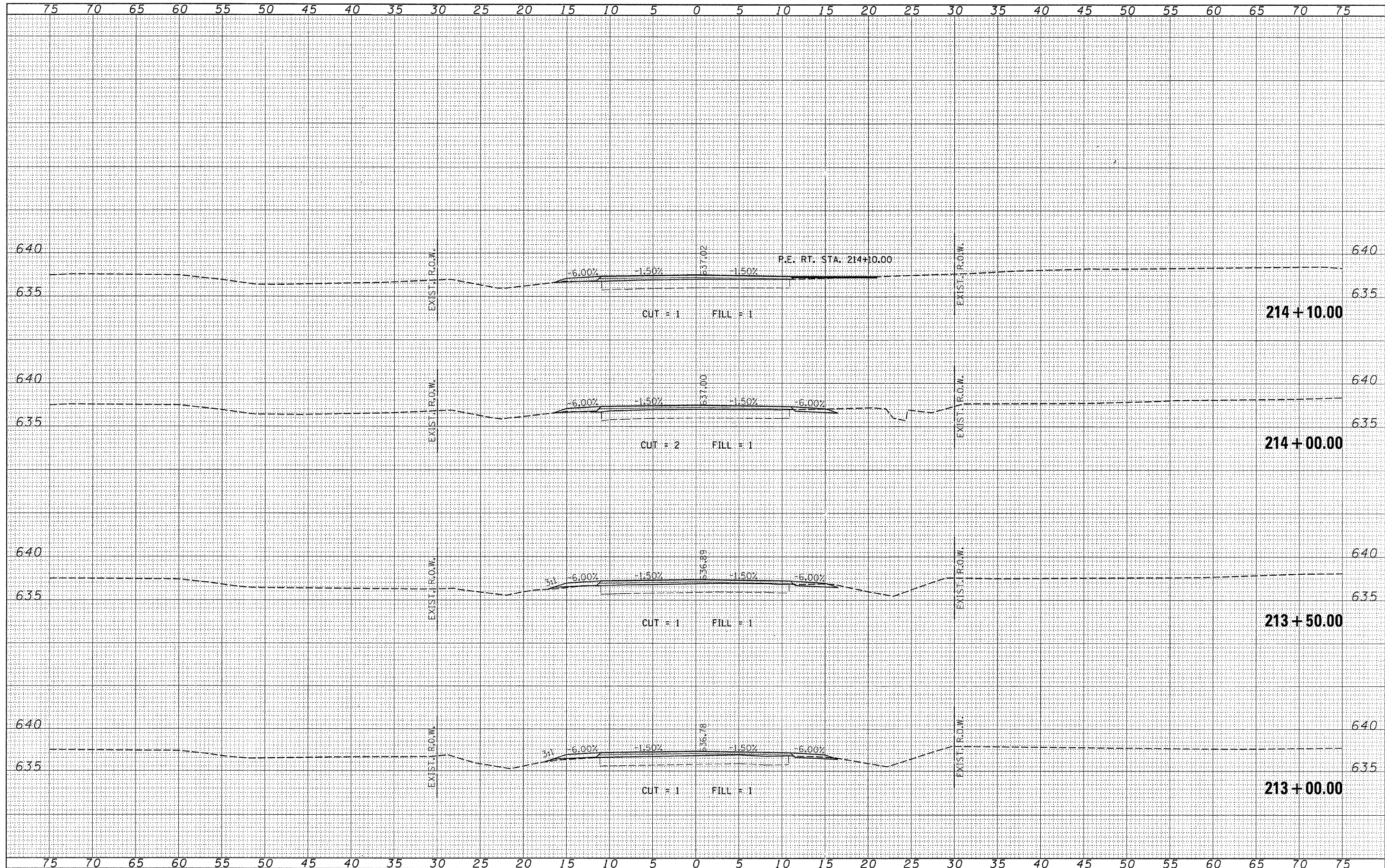


ORIGINAL					
SURVEY	SURVEYED		BY		DATE
	PLOTTED				
	TEMPLATE				
	AREAS				
NO	AREAS CHECKED				



DATE	BY	SURVEYED	PLOTTED	AREA	AREAS CHECKED
		NO.	NO.	NO.	NO.
		NO.	NO.	NO.	NO.

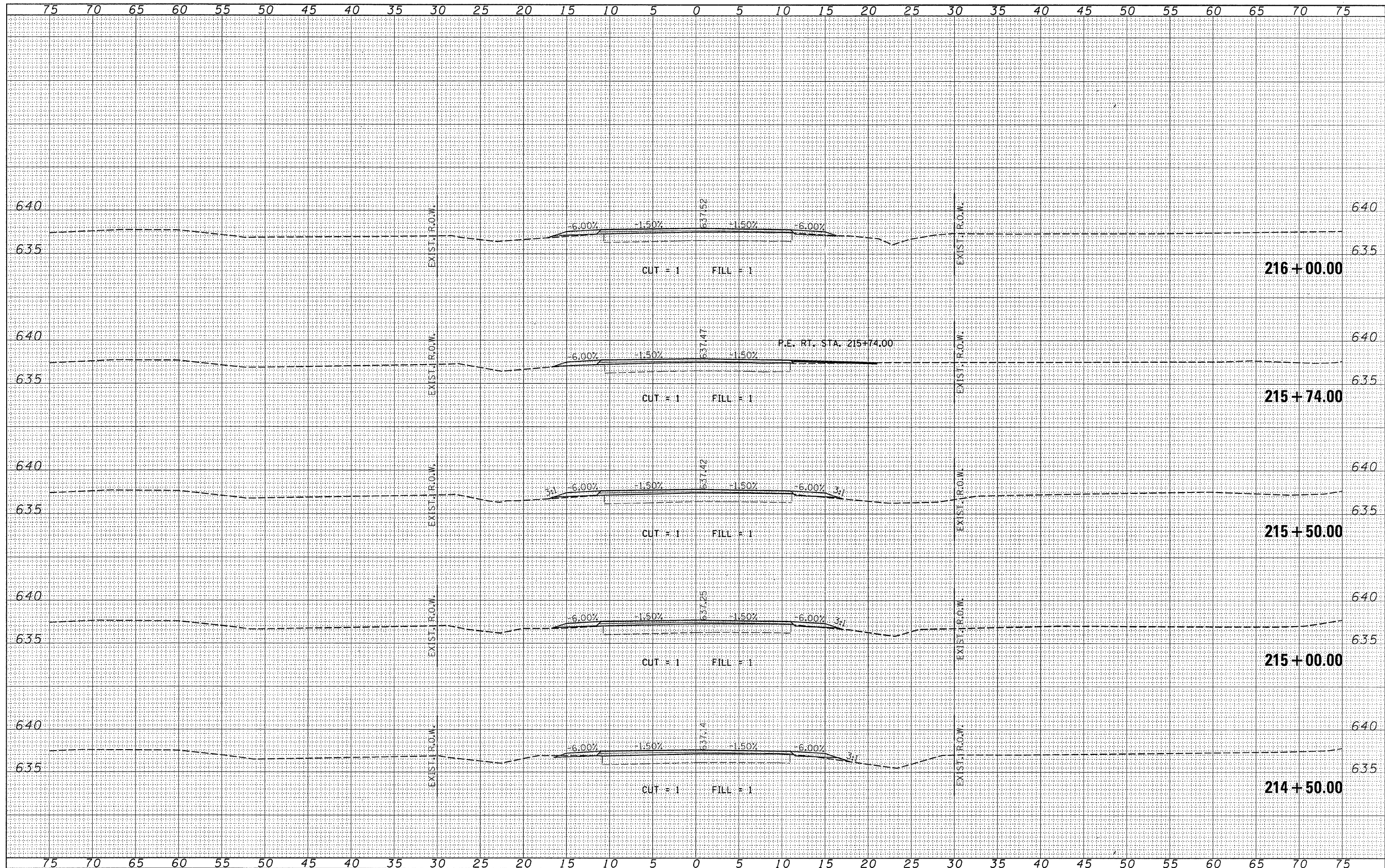
DATE	BY	SURVEYED	PLOTTED	AREA	AREAS CHECKED
		NO.	NO.	NO.	NO.
		NO.	NO.	NO.	NO.



FILE NAME = 46001-shr-ss.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT				HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS				CROSS SECTIONS F.A.S. 321 / C.H. 4				F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - WJS	REVISED -													321	05-00057-02-RS	IROQUOIS	100	31
		CHECKED -	REVISED -																	
		DATE -	REVISED -																	
				SCALE: 5:10				SHEET NO. OF SHEETS				STA. 213+00.00 TO STA. 214+10.00				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
																CONTRACT NO. 87322				

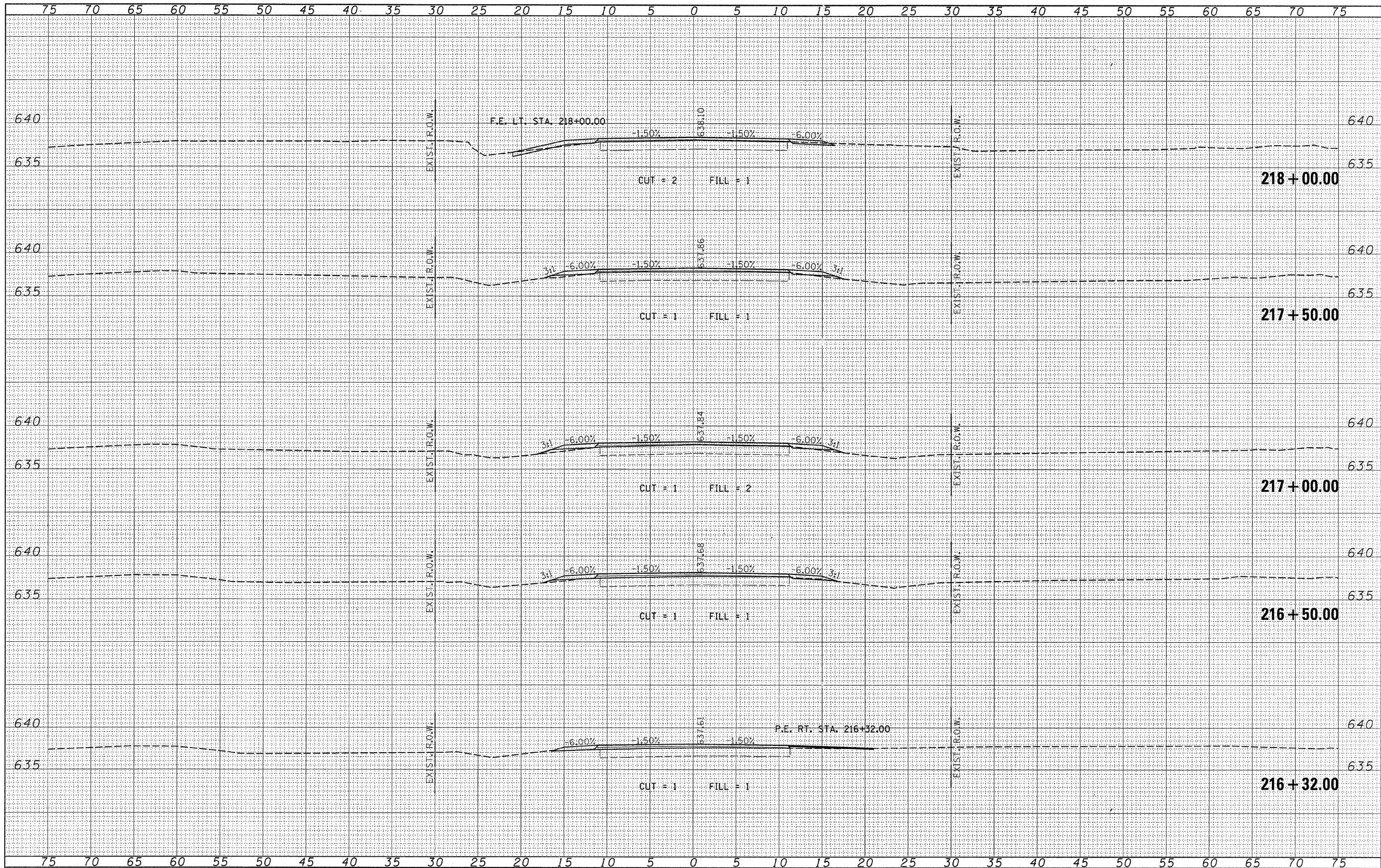
DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREA
NO.	CHECKED

DATE	BY
SURVEYED	PLOTTED
NOTE BOOK	AREA
NO.	CHECKED



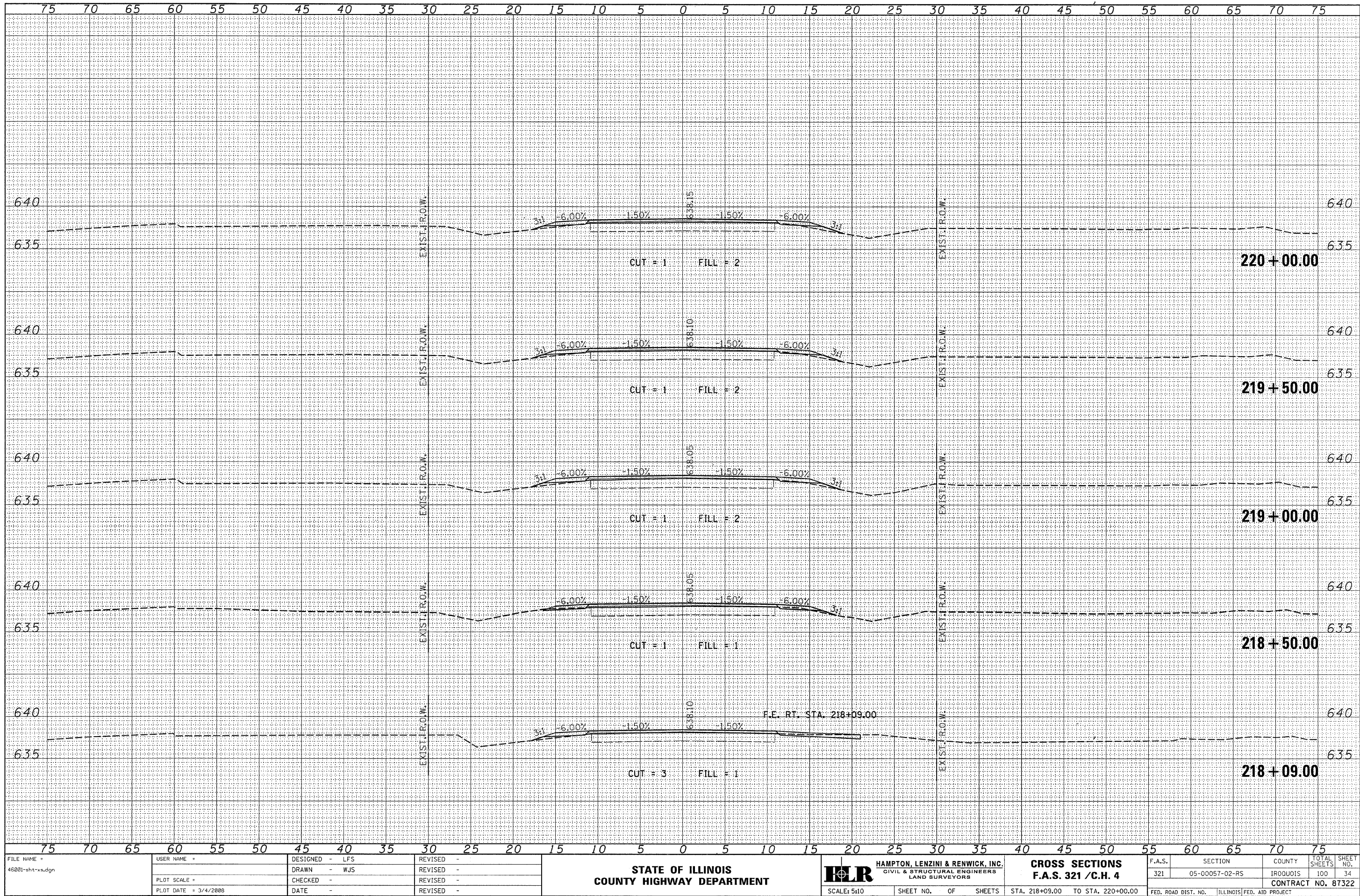
DATE	BY	FINAL SURVEY	SURVEYED
		NOTED	PLOTTED
		AREAS	AREAS
		CHECKED	CHECKED
		NO.	NO.

DATE	BY	ORIGINAL SURVEY	SURVEYED
		NOTED	PLOTTED
		AREAS	AREAS
		CHECKED	CHECKED
		NO.	NO.



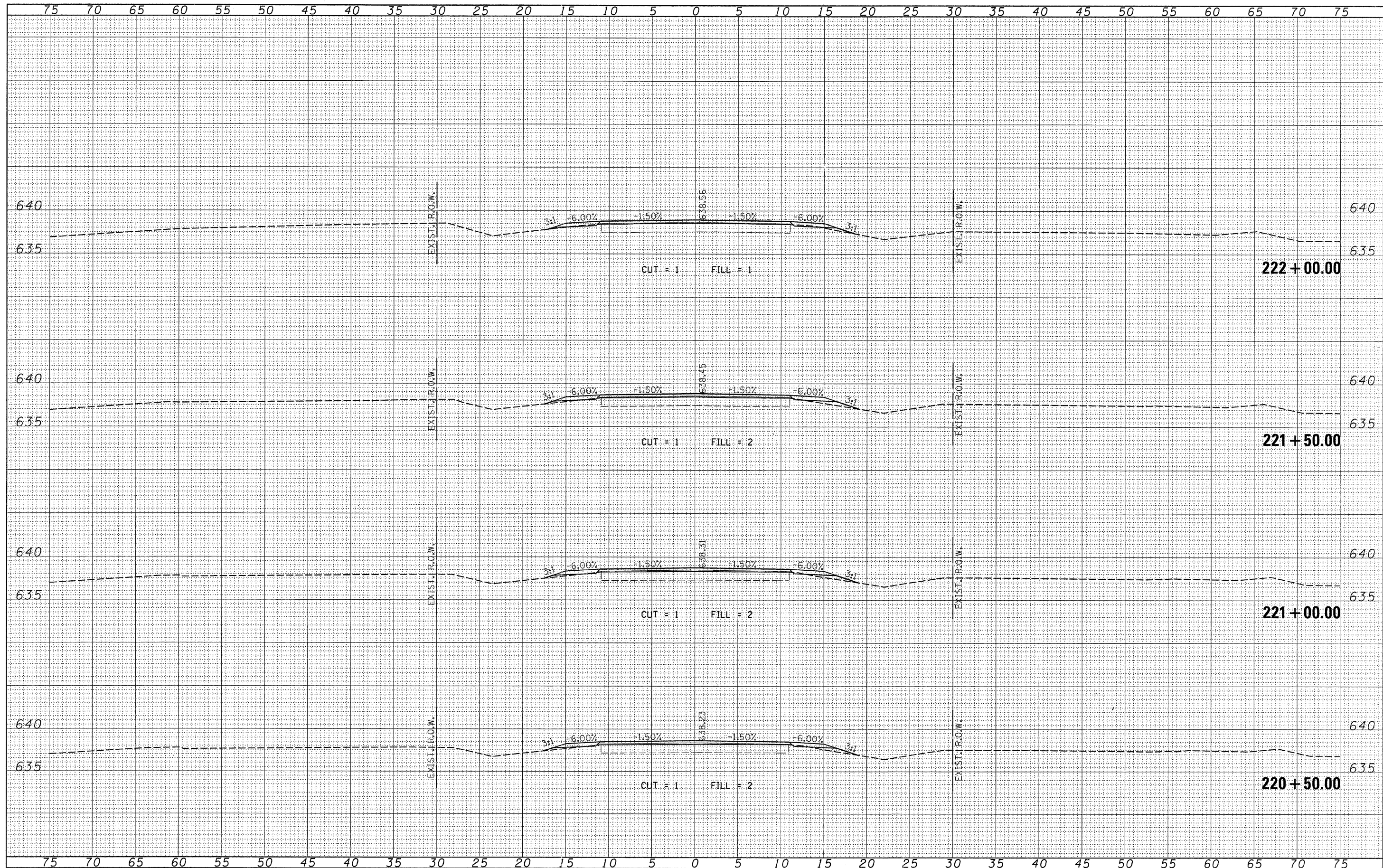
DATE	BY	FINAL SURVEY	SURVEYED
		NOTED	PLOTTED
		AREA	AREA
		CHECKED	CHECKED

DATE	BY	ORIGINAL SURVEY	SURVEYED
		NOTED	PLOTTED
		AREA	AREA
		CHECKED	CHECKED



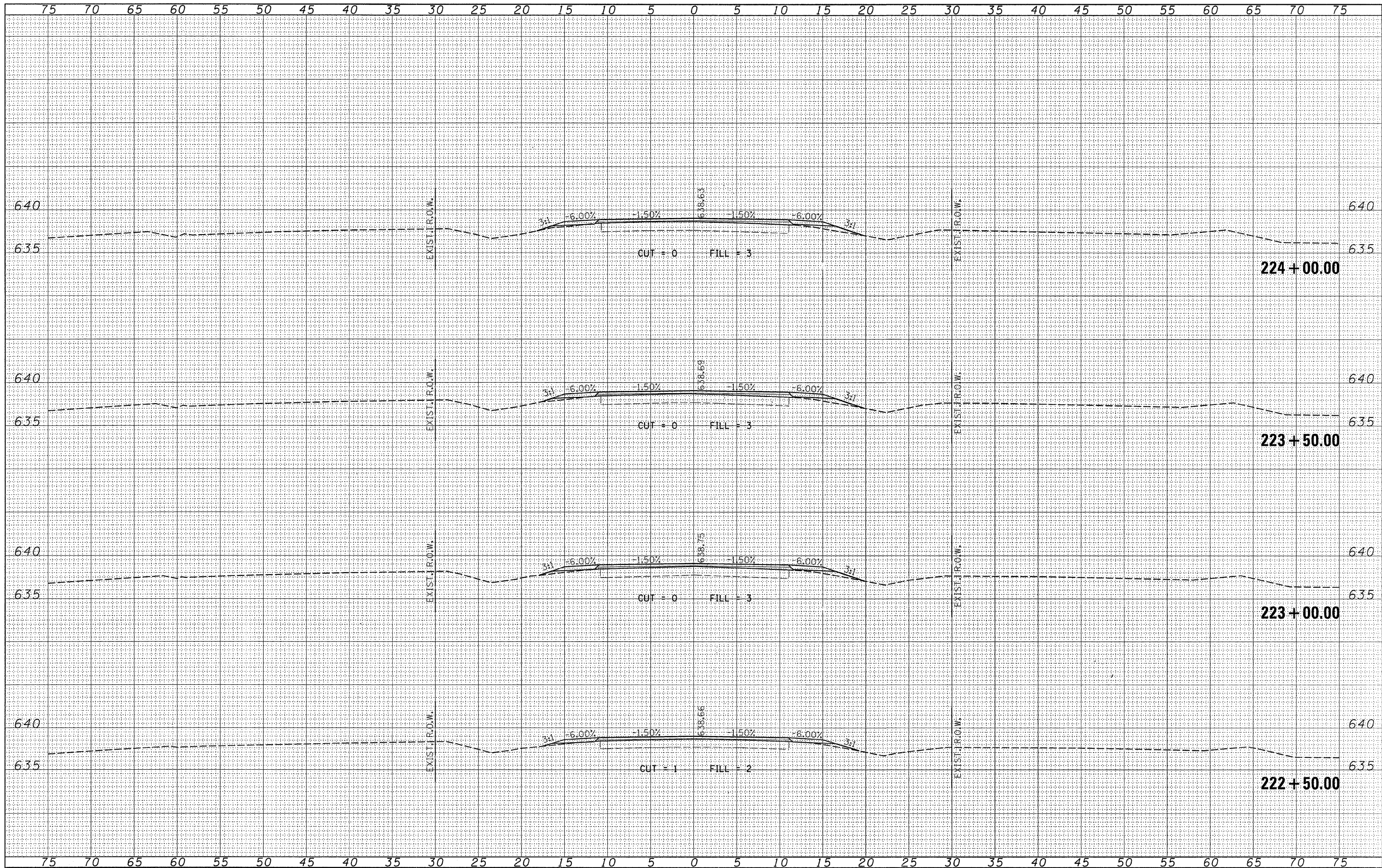
DATE	BY	NO.
ORIGINAL SURVEY	SURVEYED	PLOTTED
NOTE BOOK	AREA	AREAS CHECKED

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

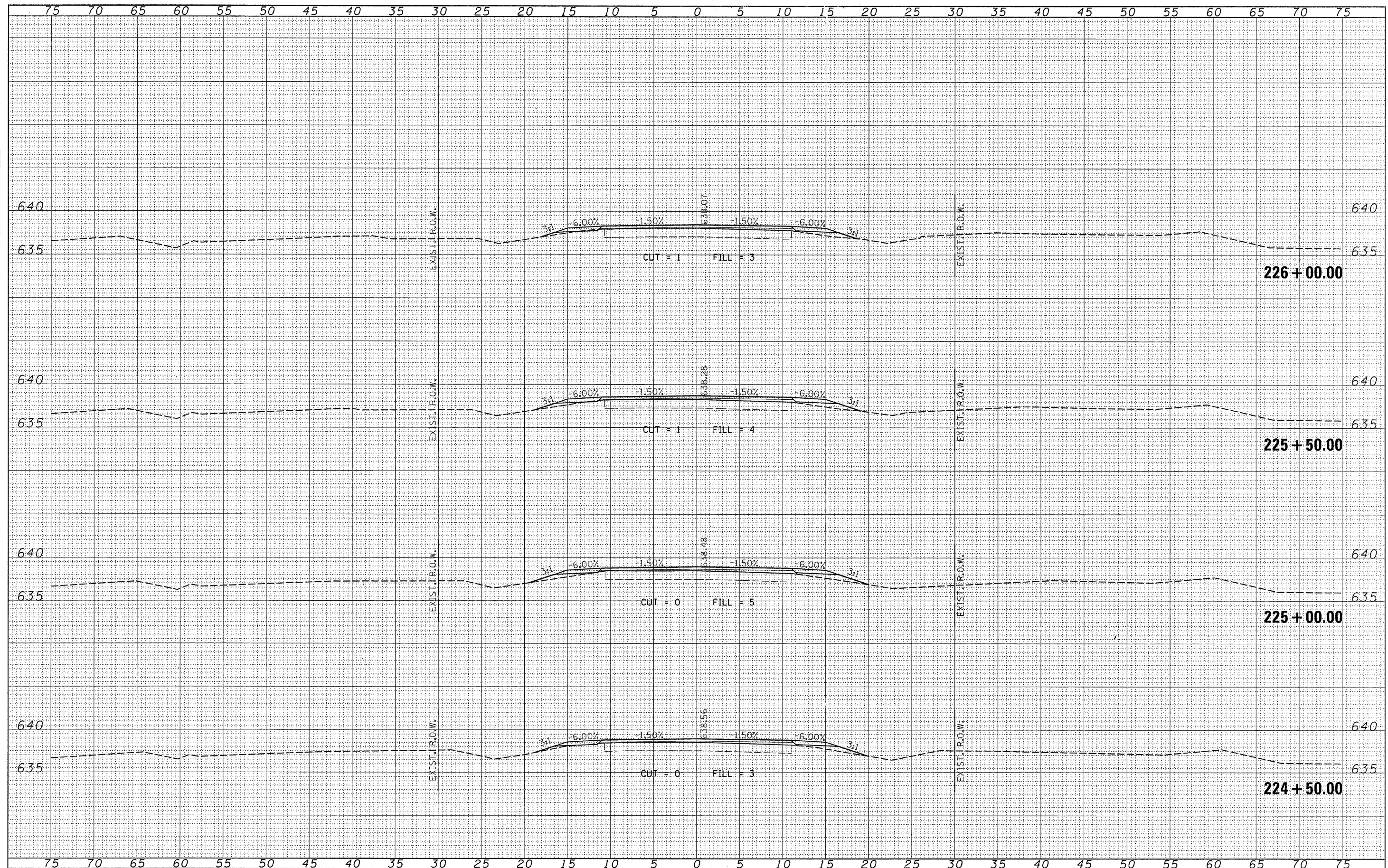


DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	DATE	NO.
		NOTE BOOK	AREA	AREA	AREA	AREA
		NO.	CHECKED	CHECKED	CHECKED	CHECKED

DATE	BY	ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE	NO.
		NOTE BOOK	AREA	AREA	AREA	AREA
		NO.	CHECKED	CHECKED	CHECKED	CHECKED



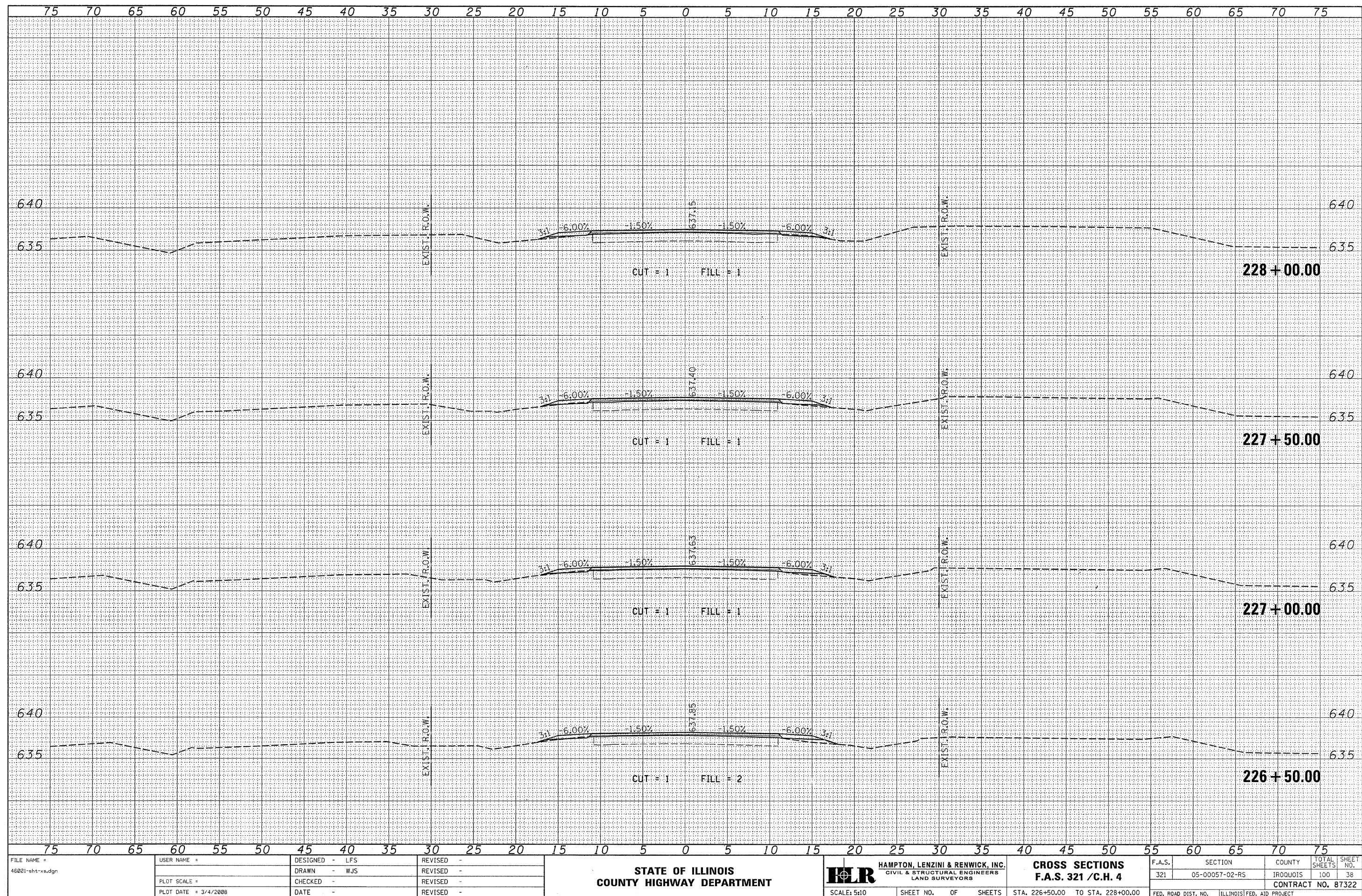
ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED _____		
	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO.	AREAS CHECKED _____		



FILE NAME = 16001-sh1-x.s.dgn	USER NAME =	DESIGNED - LFS	REVISED -	 STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - WJS	REVISED -	321				05-00057-02-RS	IRROQUOIS	100	37	
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322								
PLOT DATE = 3/4/2008	DATE -	REVISED -	STA. 224+50.00 TO STA. 226+00.00 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

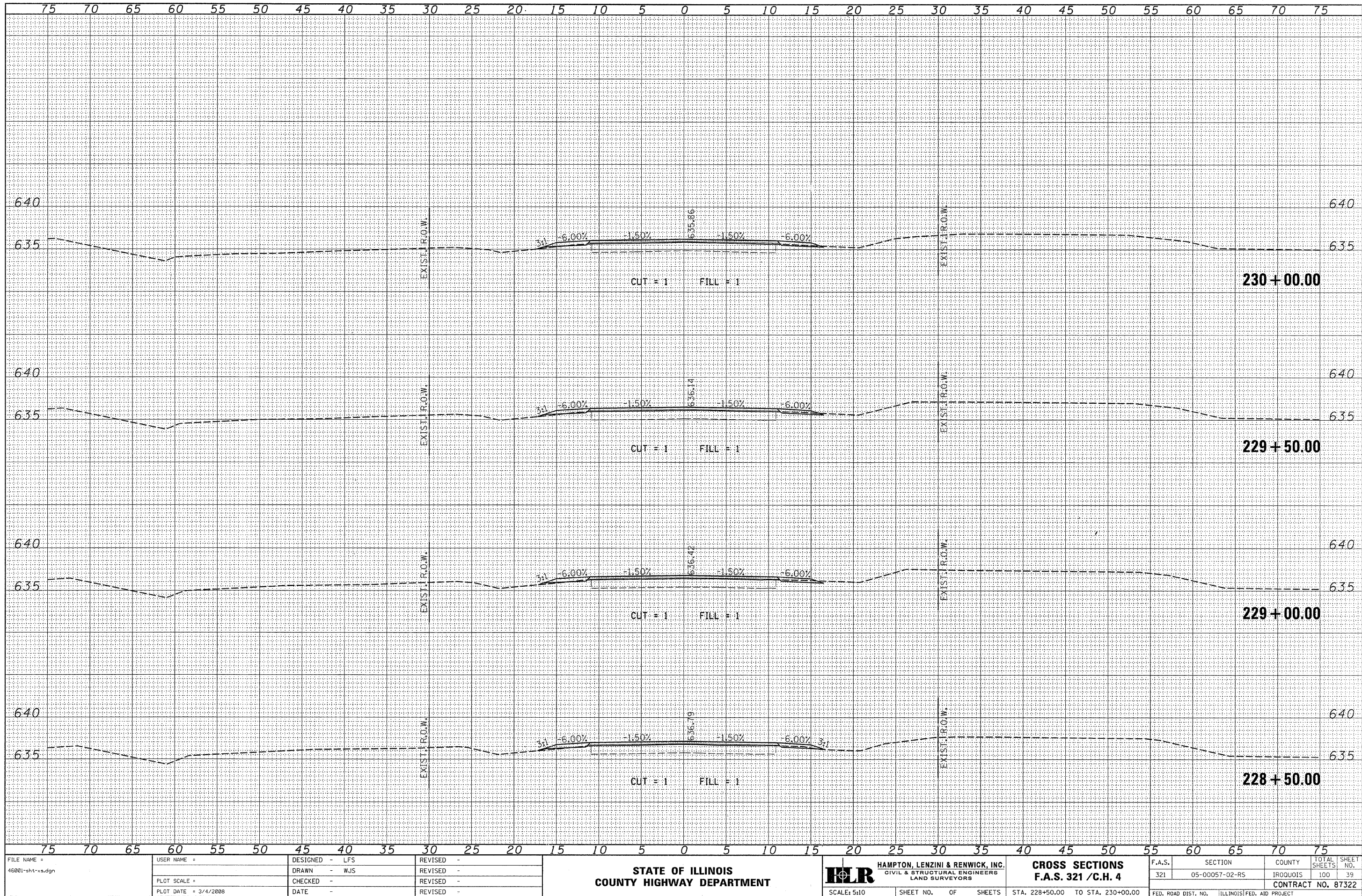
FINAL SURVEY		BY	DATE
NOTED BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

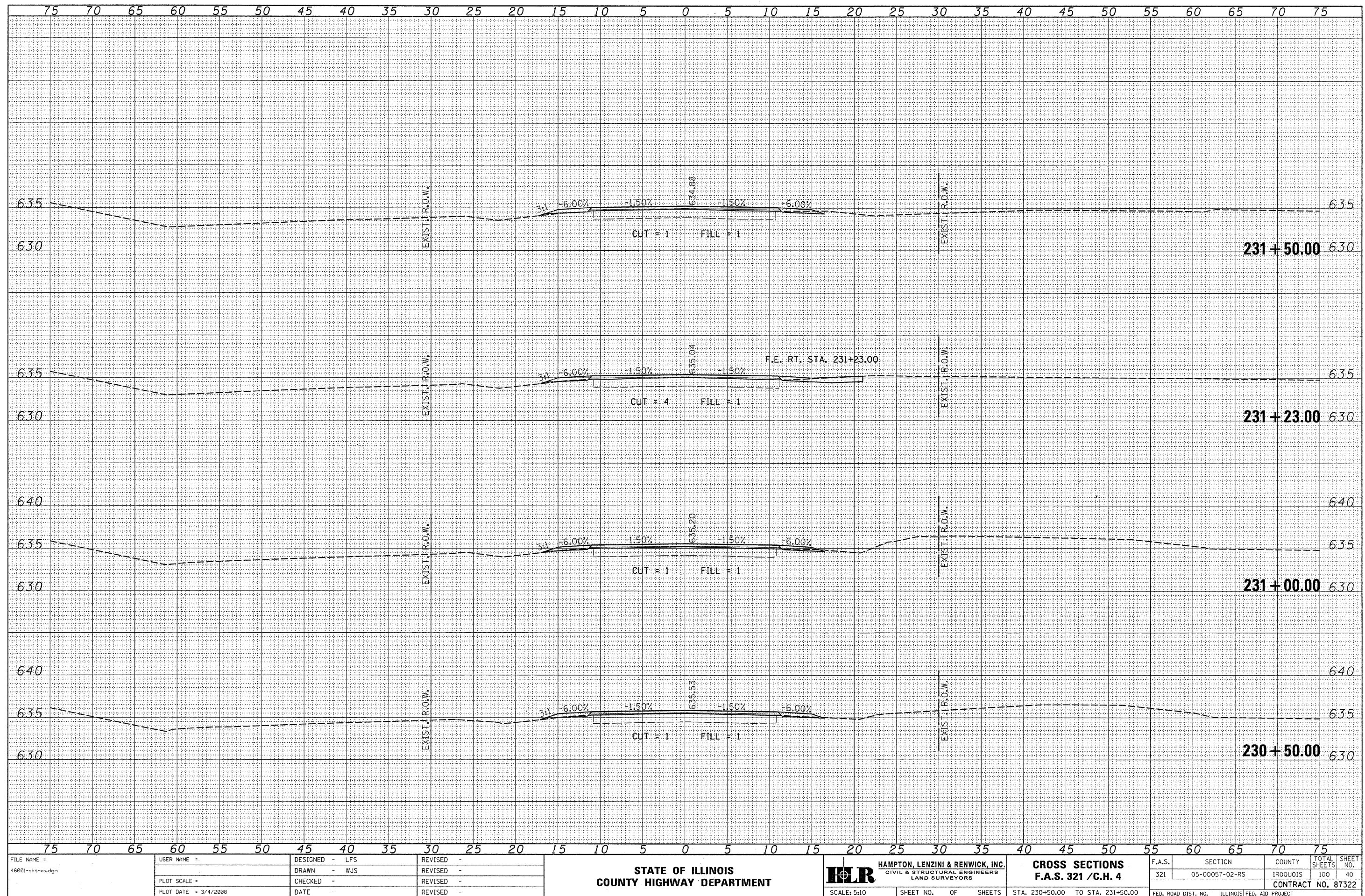
ORIGINAL		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



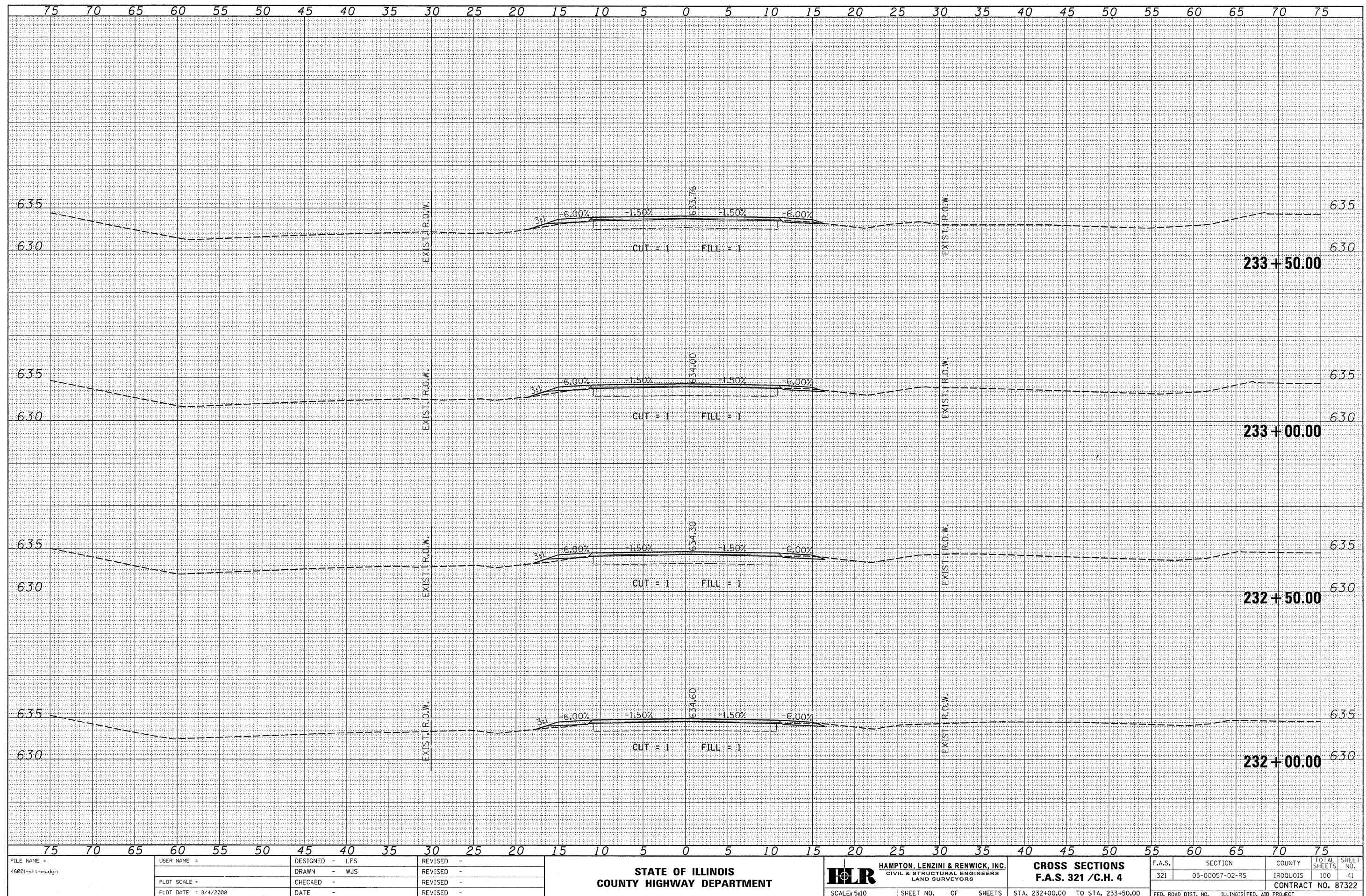
DATE	BY	FINAL SURVEY	SURVEYED
		NOTED	PLOTTED
		NO. BOOK	DATE
		AREAS	CHECKED
		NO.	

DATE	BY	ORIGINAL SURVEY	SURVEYED
		NOTED	PLOTTED
		NO. BOOK	DATE
		AREAS	CHECKED
		NO.	



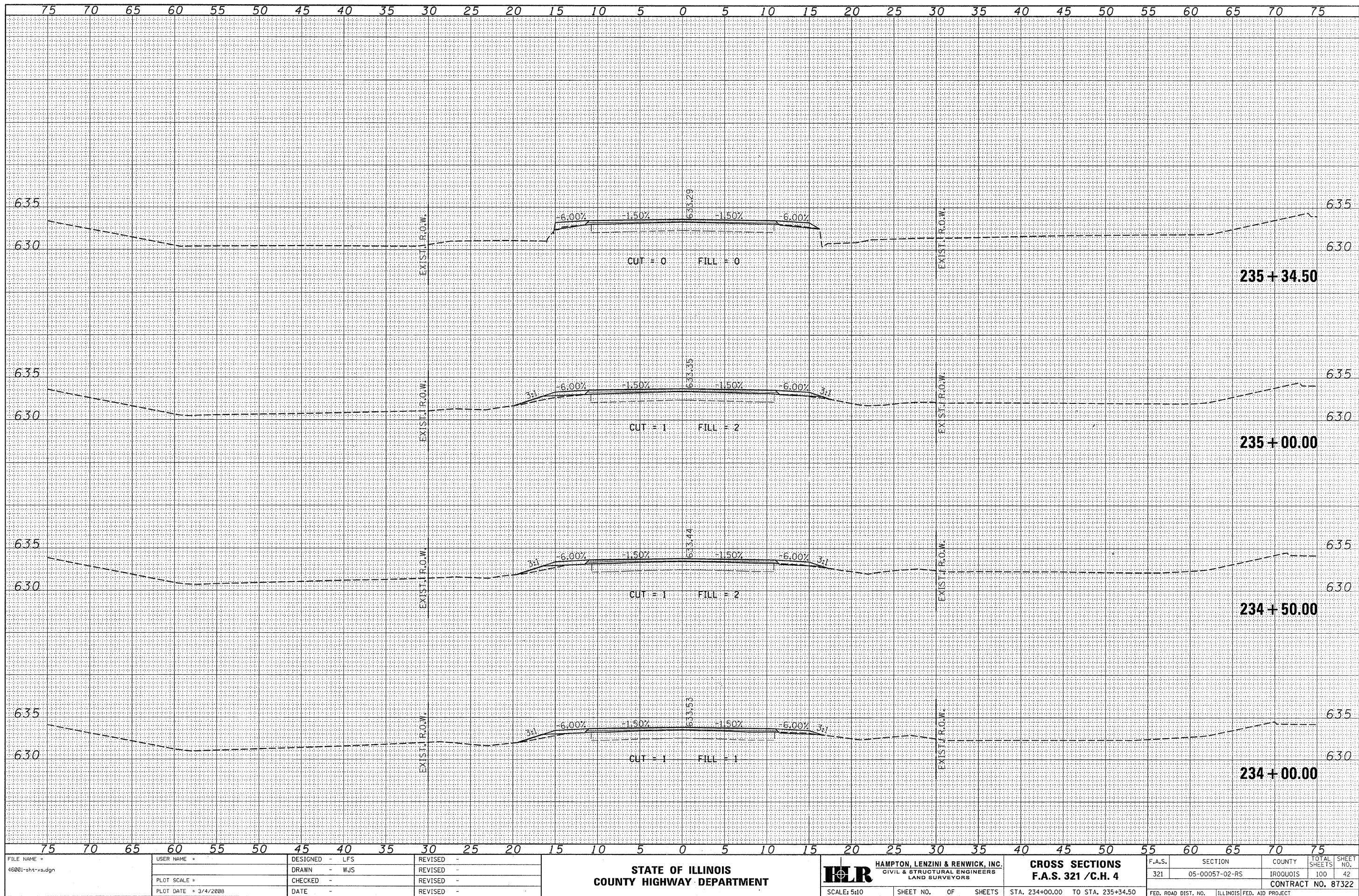
[illegible]

ORIGINAL	SURVEYED _____ PLOTTED _____ TEMPLATE _____ AREAS _____ AREAS CHECKED _____	BY _____	DATE _____
NOTE BOOK			
MO			
MO			



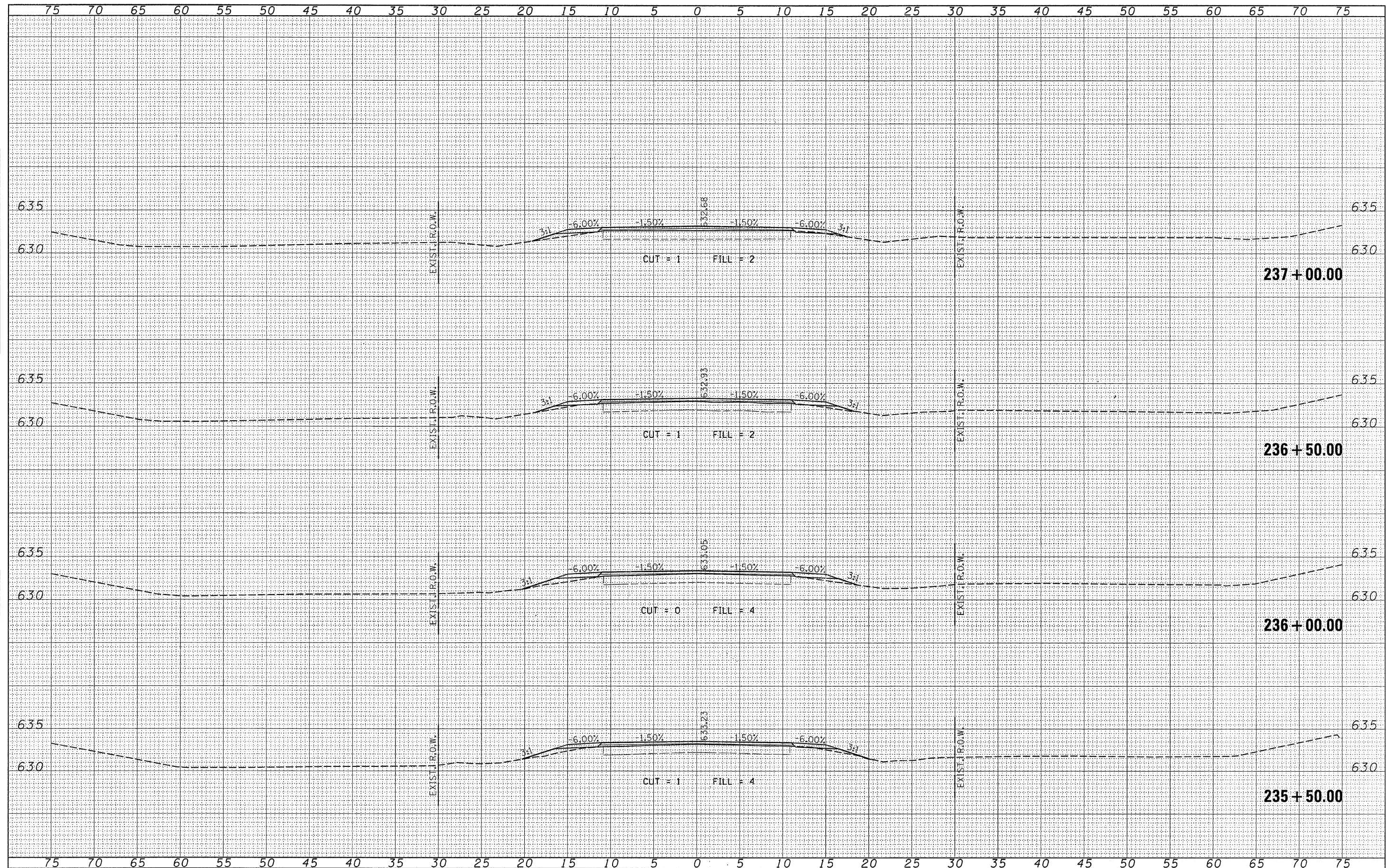
DATE	BY	SURVEYED	PLOTTED	DATE	AREAS	CHECKED
		NO.				

DATE	BY	ORIGINAL	SURVEYED	PLOTTED	DATE	AREAS	CHECKED
		NO.					



FINAL SURVEY			
NOTE BOOK			
	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
		BY	DATE

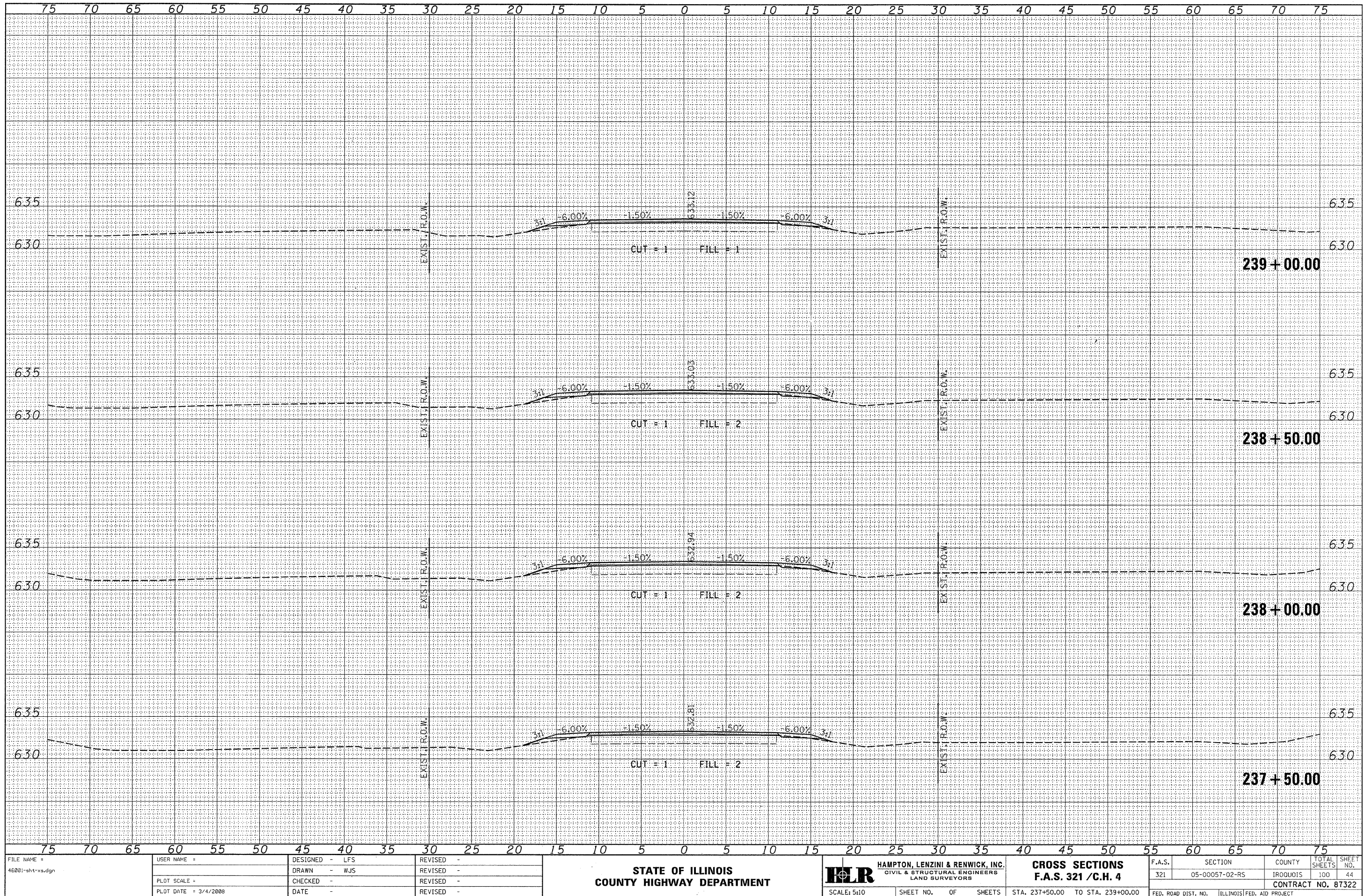
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



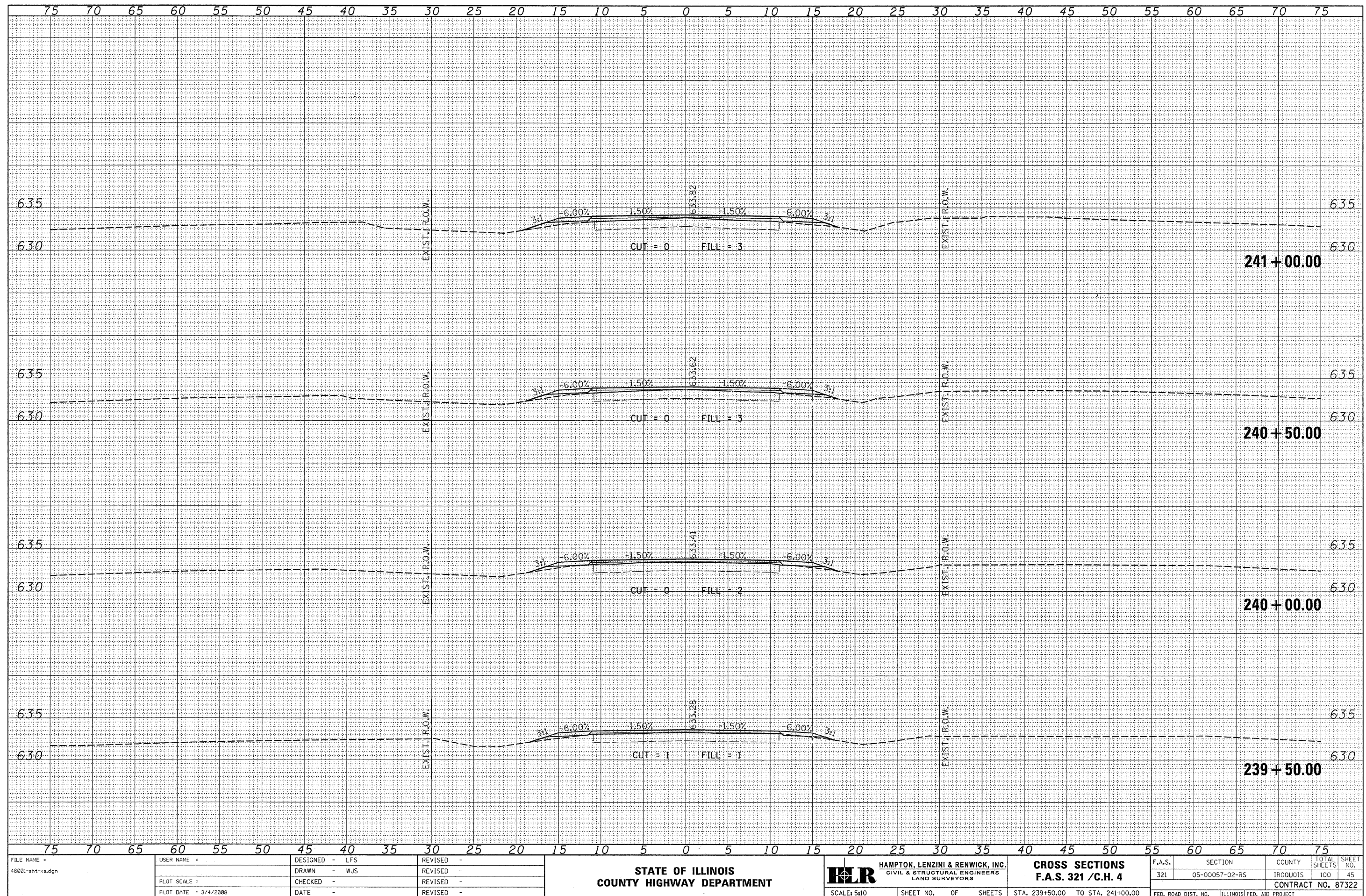
FILE NAME =	USER NAME =	DESIGNED - LFS	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
46001-sht-xs.dgn	DRAWN - WJS	REVISED -	321			05-00057-02-RS	IRROQUOIS	100	43	
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322							
PLOT DATE = 3/4/2008	DATE -	REVISED -	SCALE: 5:10 SHEET NO. OF SHEETS STA. 235+50.00 TO STA. 237+00.00							
				FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						

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

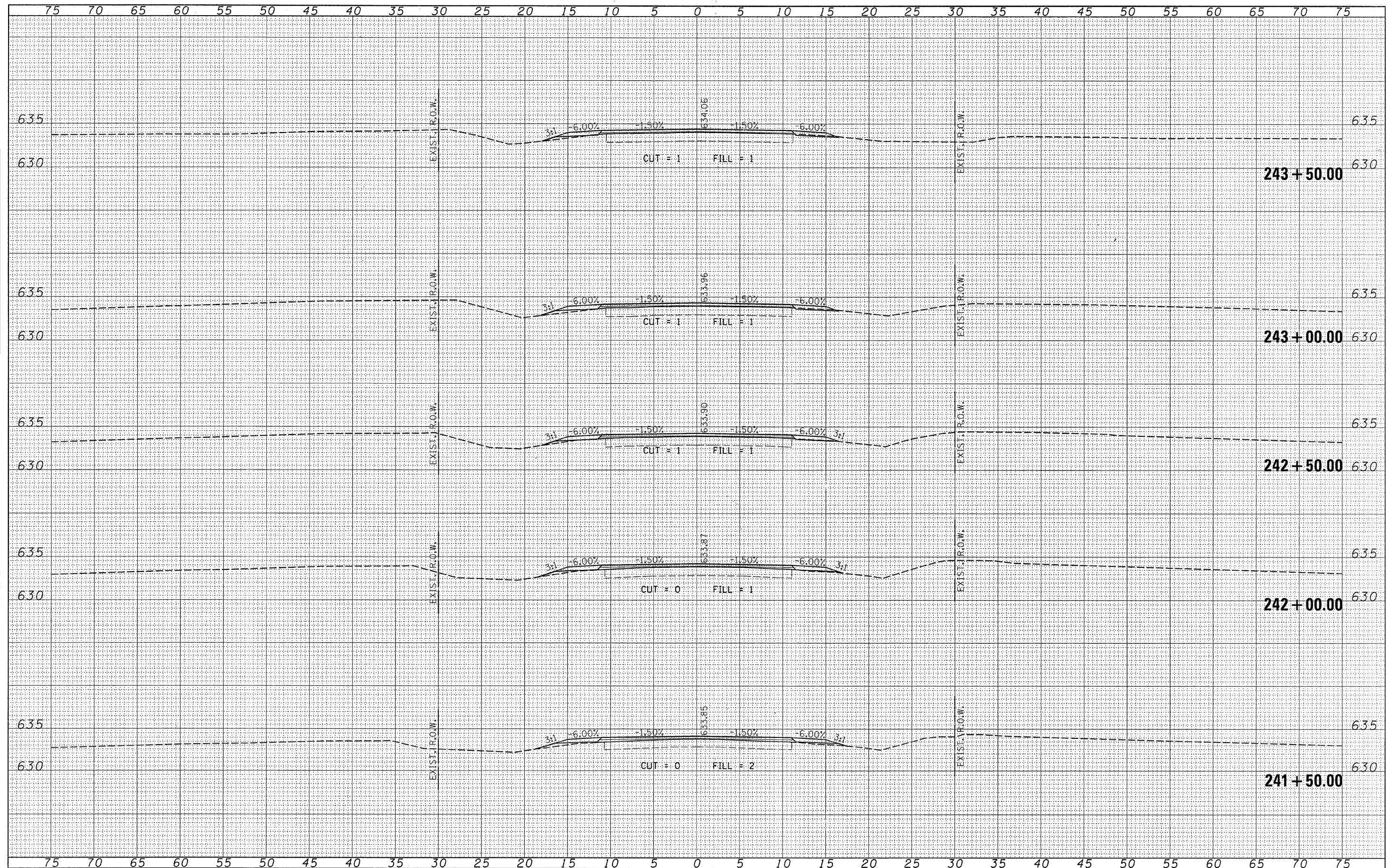
DATE	BY
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	DATE
	AREAS
	CHECKED



ORIGINAL SURVEY		BY	DATE
NOTED	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



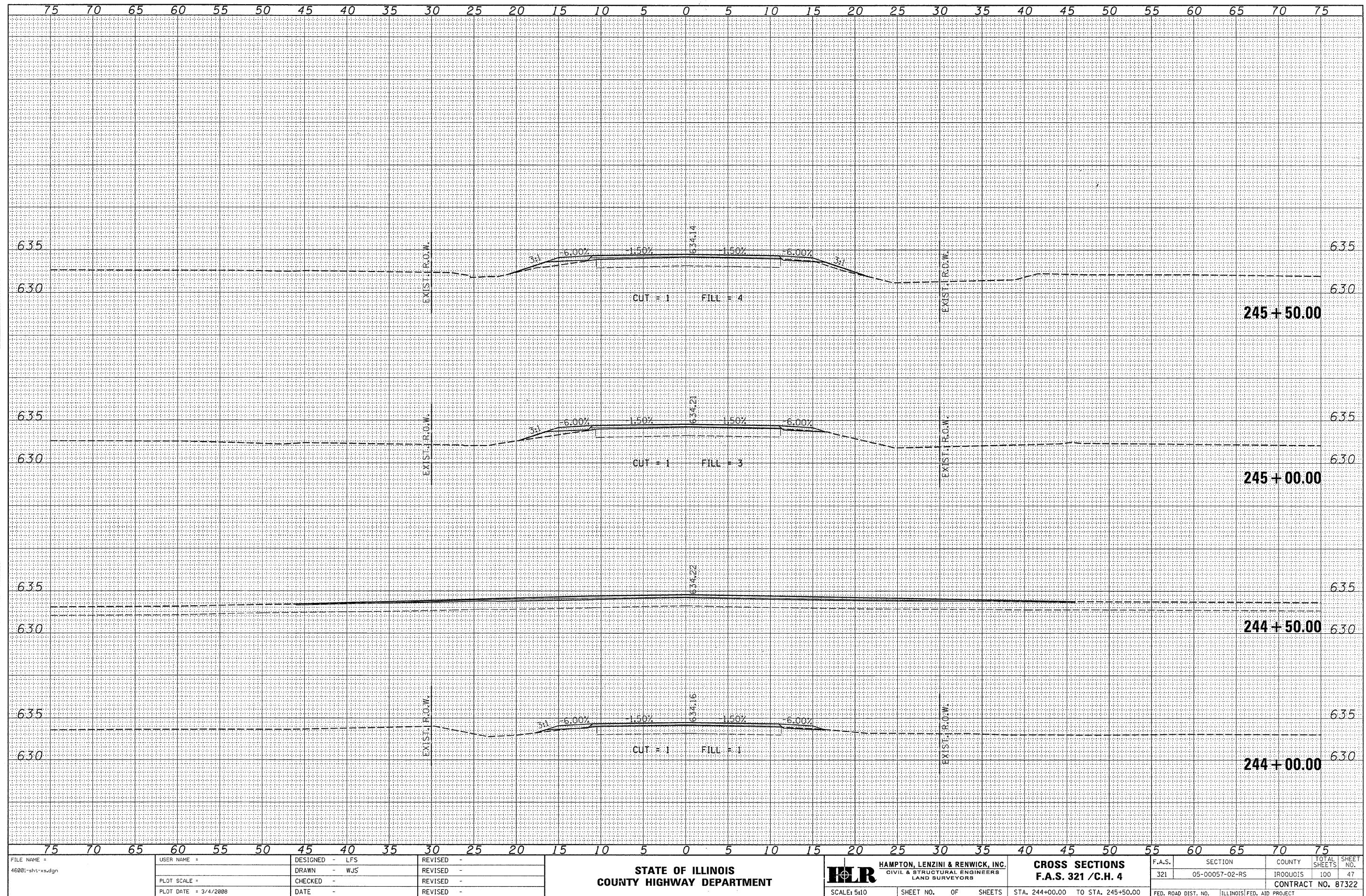
	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	TEMPLATE _____		
	AREAS CHECKED _____		



FILE NAME = 468021-sht-xs.dgn	USER NAME =	DESIGNED - LFS	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	 CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - WJS	REVISED -	321			05-00057-02-RS	IR00001S	100	46	
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322							
PLOT DATE = 3/4/2008	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
				SCALE: 5x10	SHEET NO. OF SHEETS	STA. 241+50.00 TO STA. 243+50.00				

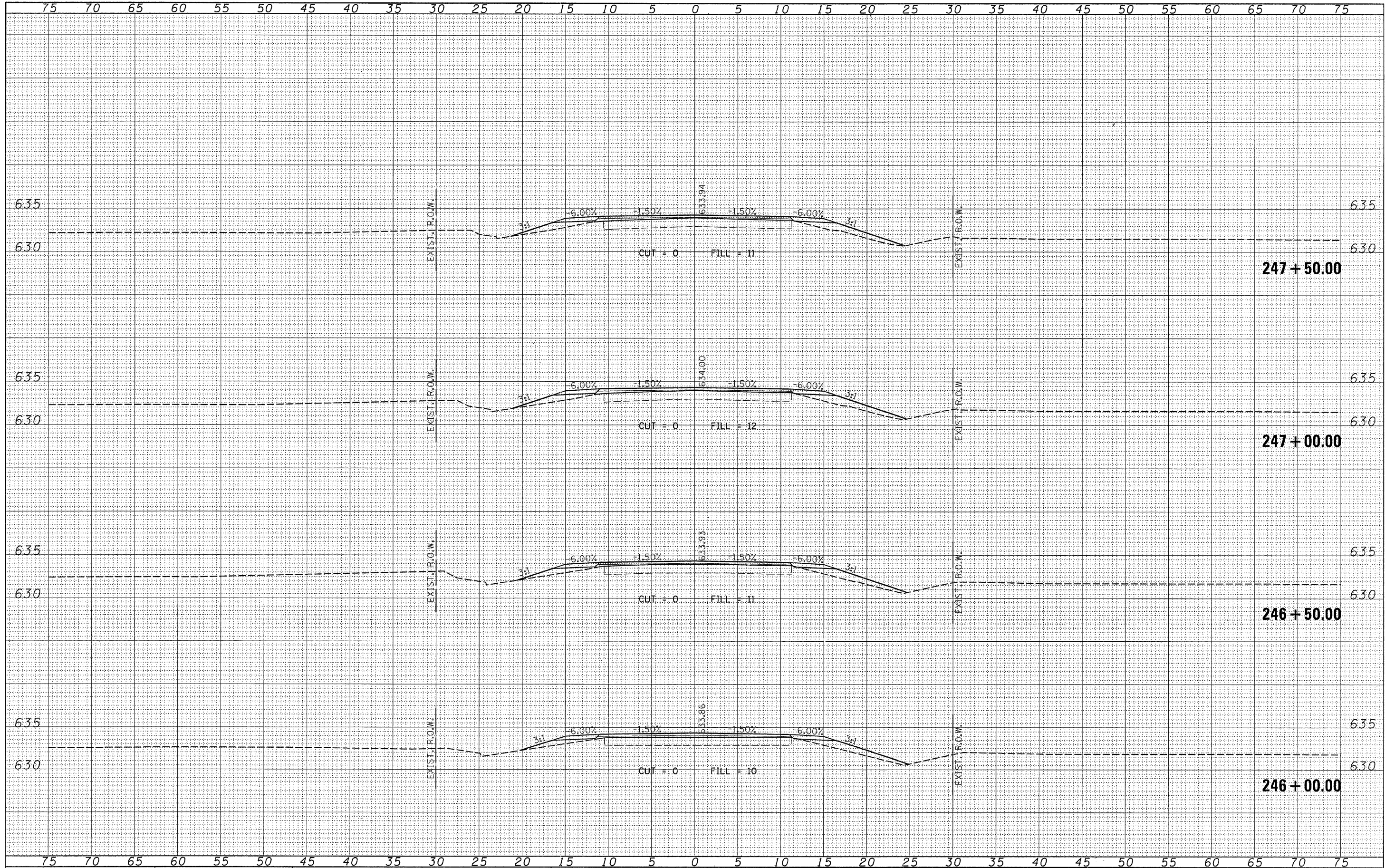
FINAL SURVEY	SURVEYED _____ BY _____ DATE _____
NOTE BOOK	PLOTTED _____ TEMPLATE _____ AREAS CHECKED _____

ORIGINAL					
SURVEY					
	SURVEYED			BY	DATE
	PLOTTED				
NOTE BOOK	TEMPLATE				
	AREAS				
	AREAS CHECKED				



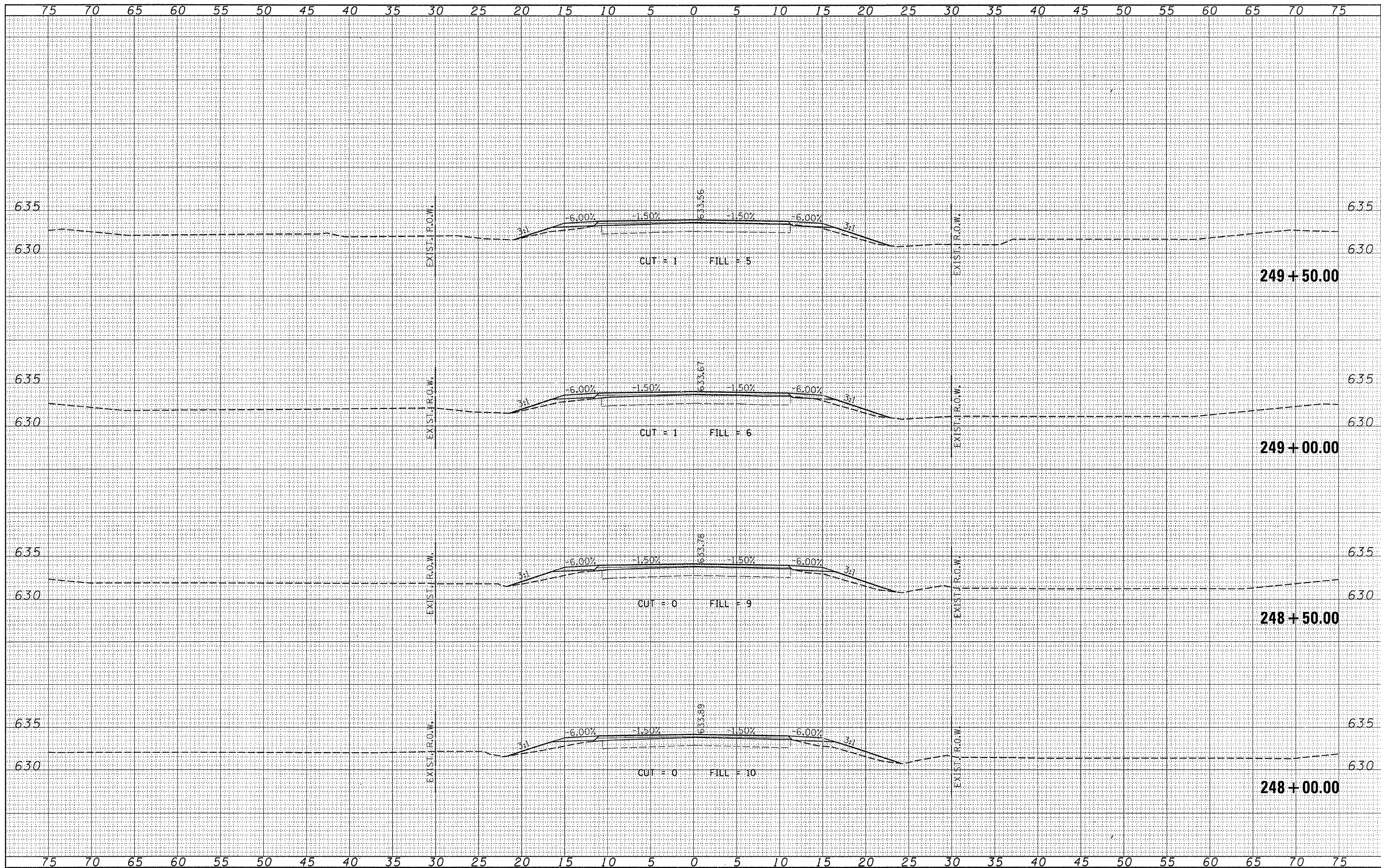
DATE	BY	SURVEYED	PLOTTED	RECALC	AREAS CHECKED
NO.					

DATE	BY	SURVEYED	PLOTTED	RECALC	AREAS CHECKED
NO.					

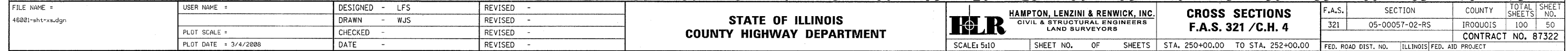


FINAL SURVEY	DATE
	BY
	SURVEYED
	PLOTTED
NOTE BOOK NO.	AREA LAY
	AREAS CHECKED

ORIGINAL SURVEY	DATE
	BY
	SURVEYED
	PLOTTED
NOTE BOOK NO.	AREA LAY
	AREAS CHECKED

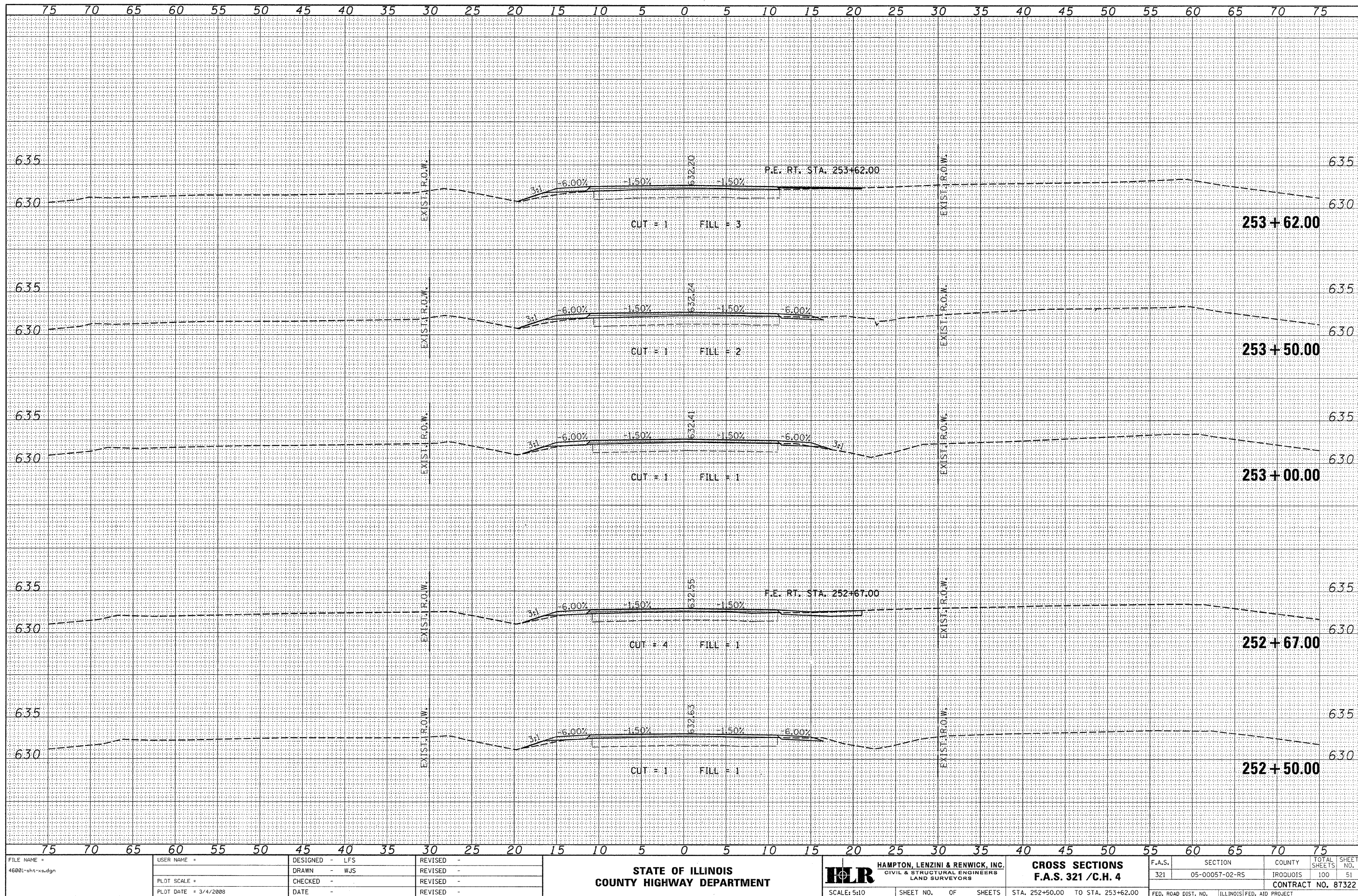


FILE NAME = 46001-shr-xa.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 /C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - WJS	REVISED -	321				05-00057-02-RS	IROQUOIS	100	49	
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322								
PLOT DATE = 3/4/2008	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
				SCALE: 5:10	SHEET NO. OF SHEETS	STA. 248+00.00 TO STA. 249+50.00					



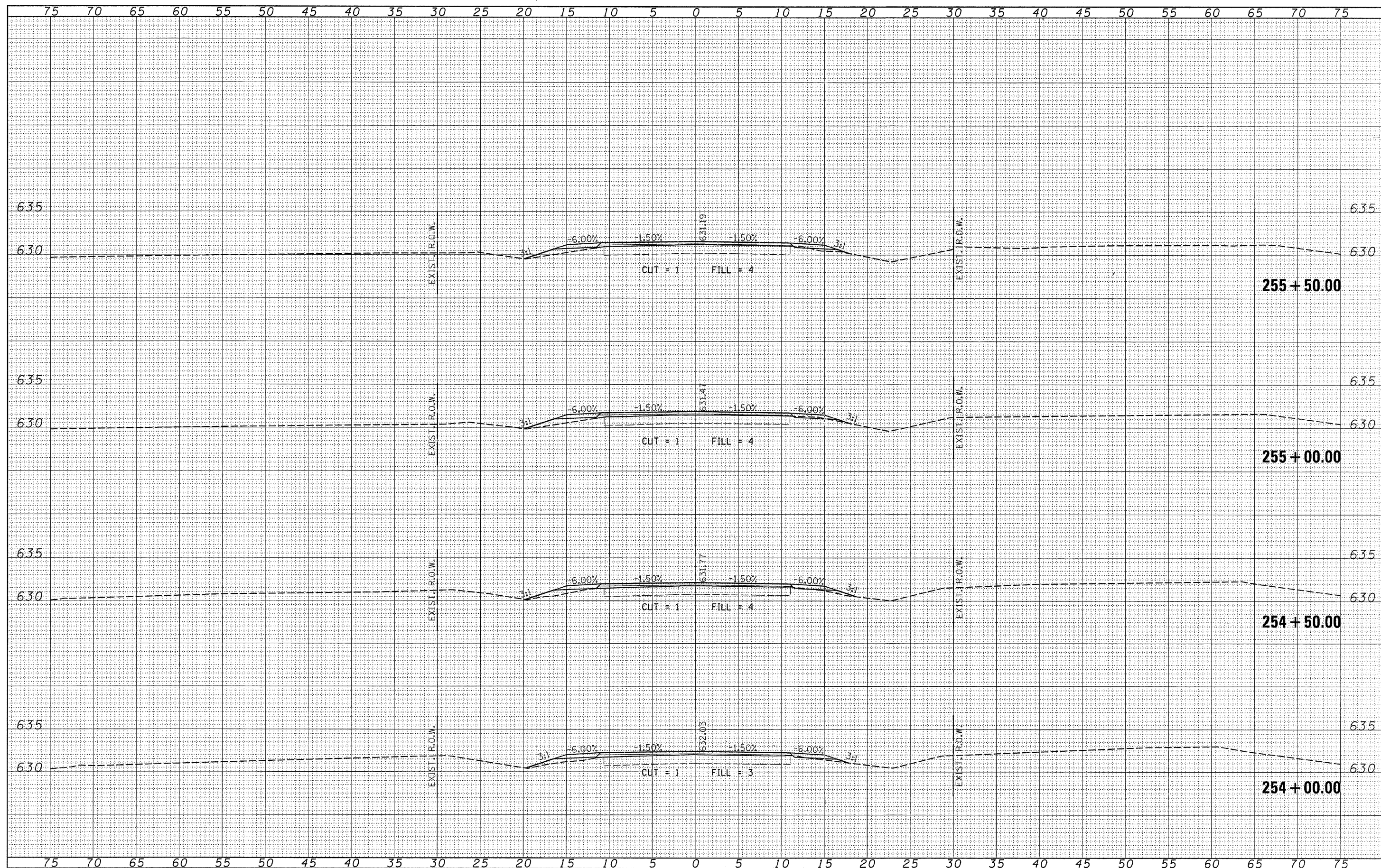
DATE	BY	DATE	BY
ORIGINAL SURVEY	FLATTED	TEMP. PLATE	AREAS CHECKED
NO.			

DATE	BY	DATE	BY
ORIGINAL SURVEY	FLATTED	TEMP. PLATE	AREAS CHECKED
NO.			



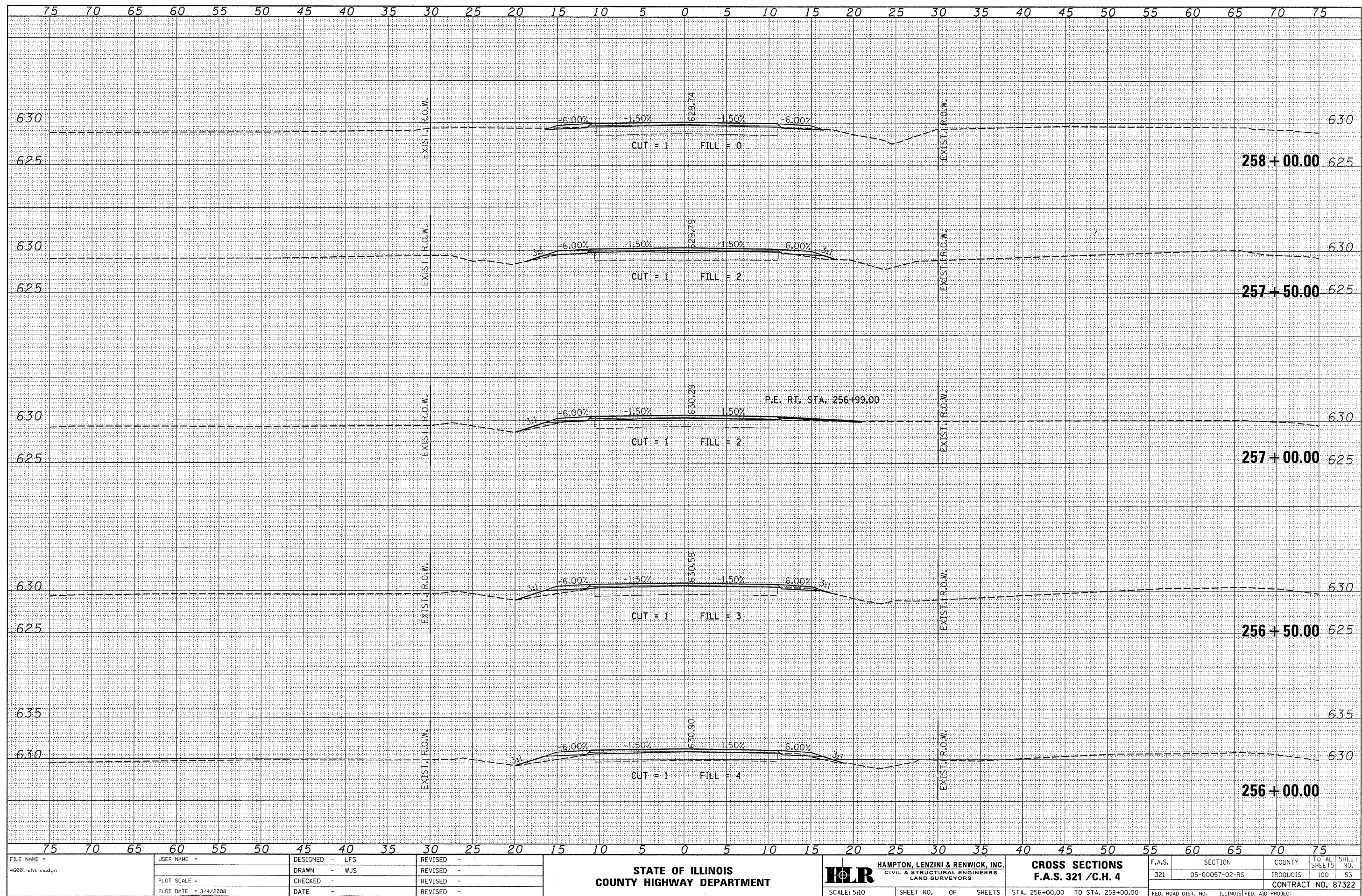
FINAL SURVEY					
	SURVIVED			BY	DATE
	PLOTTED				
	TEMPLATE				
	AREAS				
	CHECKED				
NO.					

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



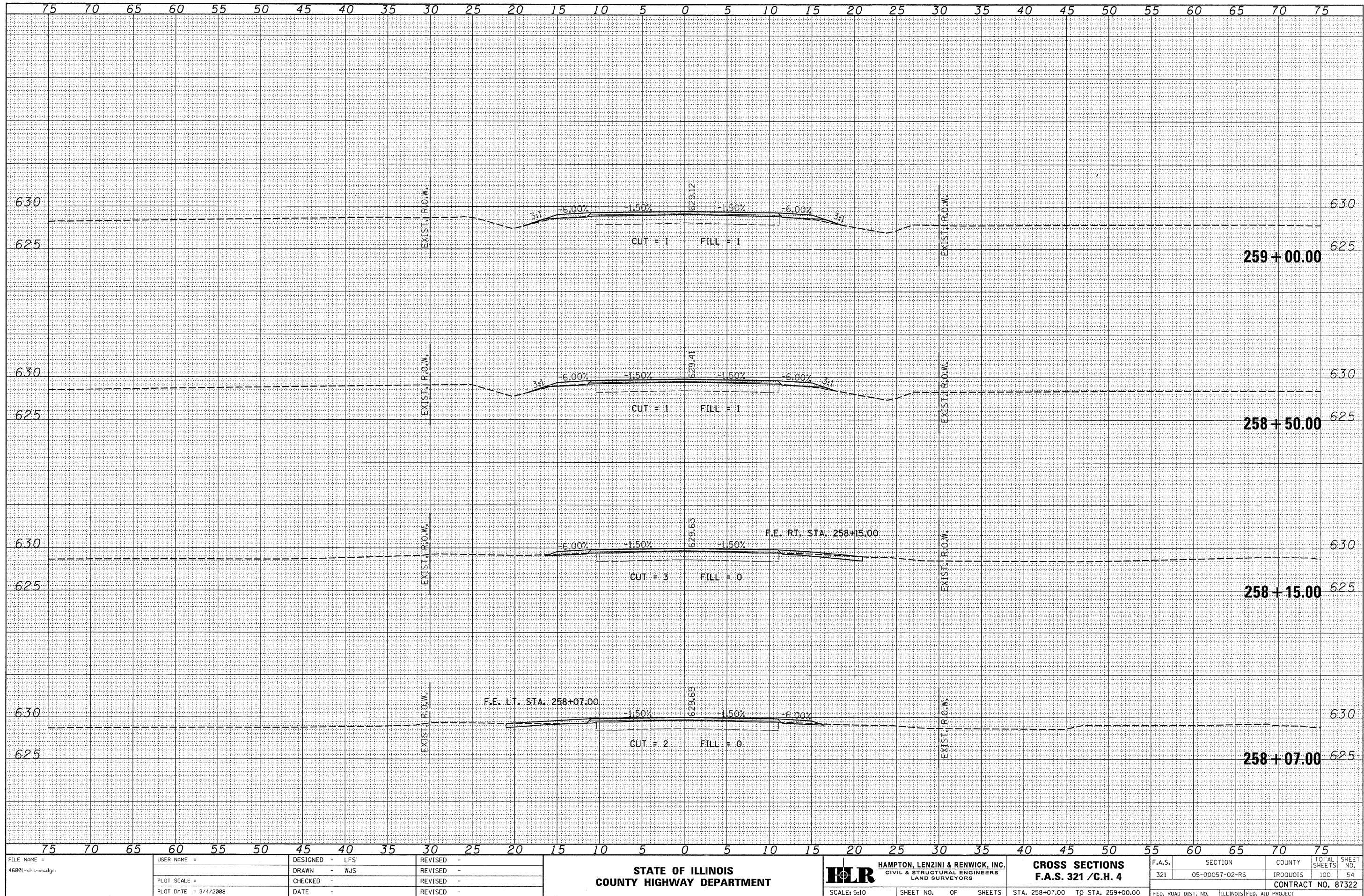
FILE NAME =	USER NAME =	DESIGNED - LFS	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 /C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
46001-sh1-x.s.dgn		DRAWN - WJS	REVISED -			321	05-00057-02-RS	ILLINOIS	100	52	
	PLOT SCALE =	CHECKED -	REVISED -			CONTRACT NO. 87322					
	PLOT DATE = 3/4/2008	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: 5x10 SHEET NO. OF SHEETS		STA. 254+00.00 TO STA. 255+50.00					
				STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT							

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



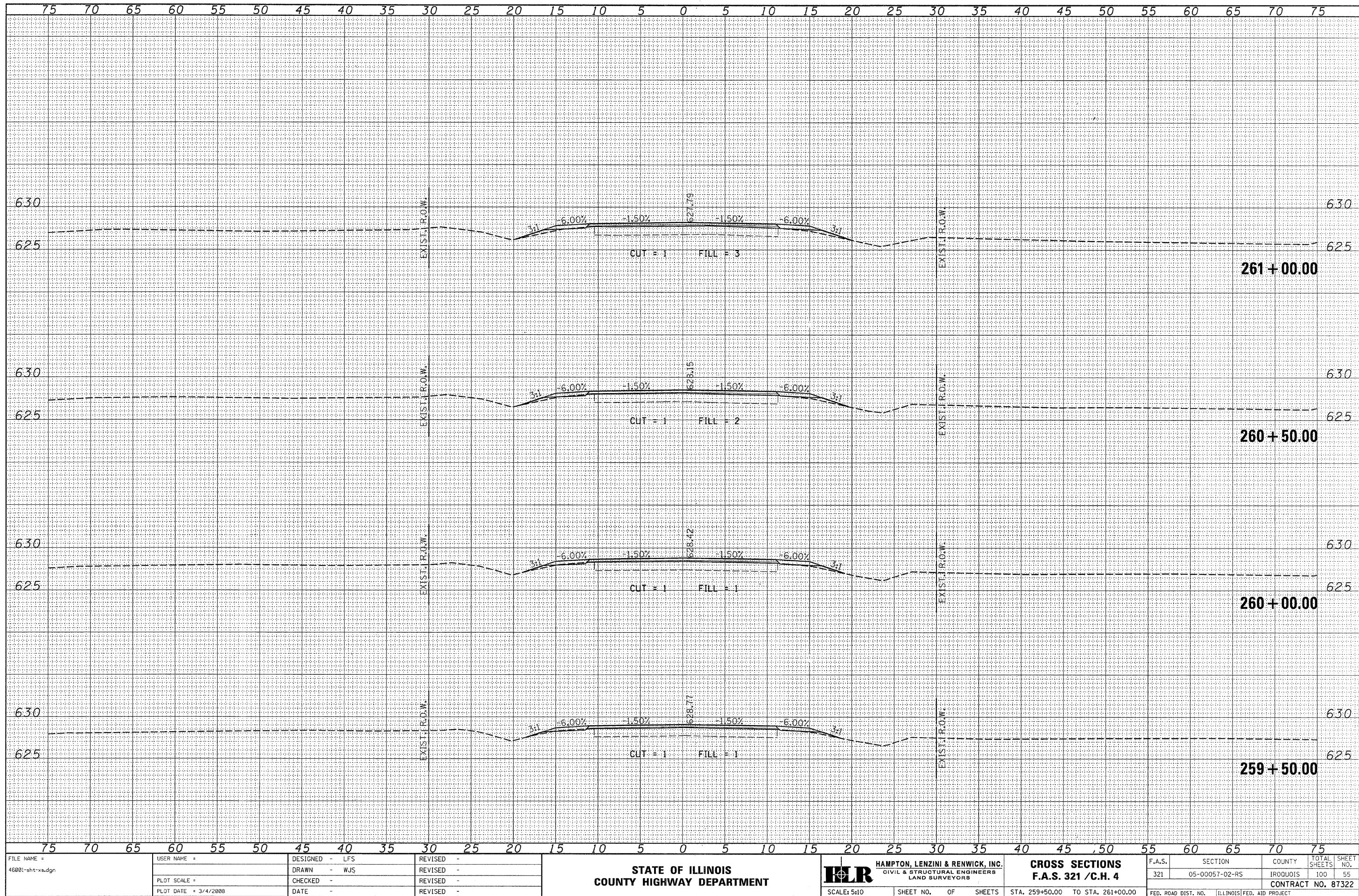
FINAL SURVEY	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	NOTE BOOK	
NO.		AREAS CHECKED

ORIGINAL SURVEY	SURVEYED	DATE
	PLOTTED	
	TEMPLATE	
	NOTE BOOK	
NO.		AREAS CHECKED



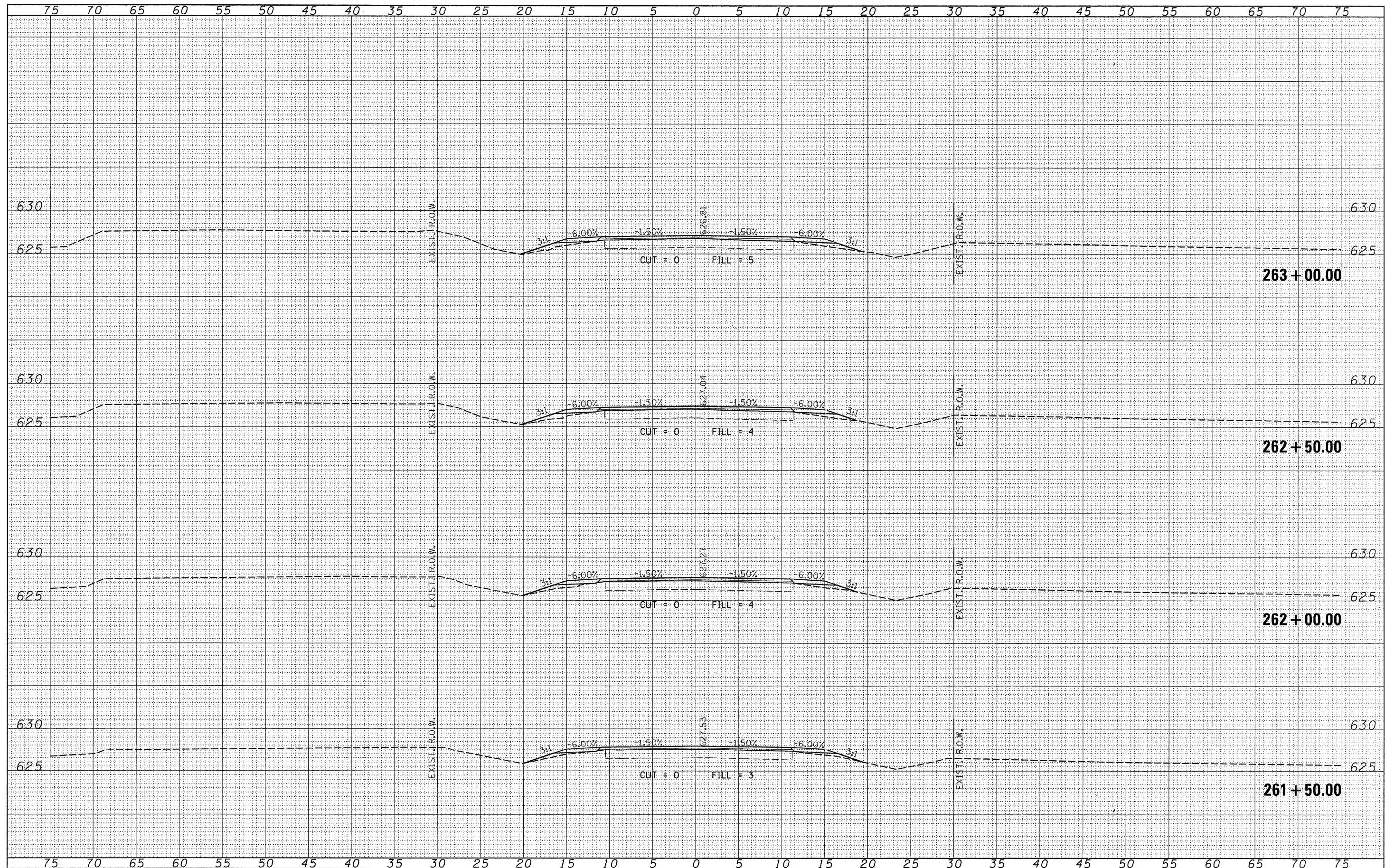
DATE	BY	NO.
ORIGINAL SURVEY	SURVEYED	FLATTED
NOTE BOOK	TEMPLATE	AREAS CHECKED

DATE	BY	NO.
ORIGINAL SURVEY	SURVEYED	FLATTED
NOTE BOOK	TEMPLATE	AREAS CHECKED



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

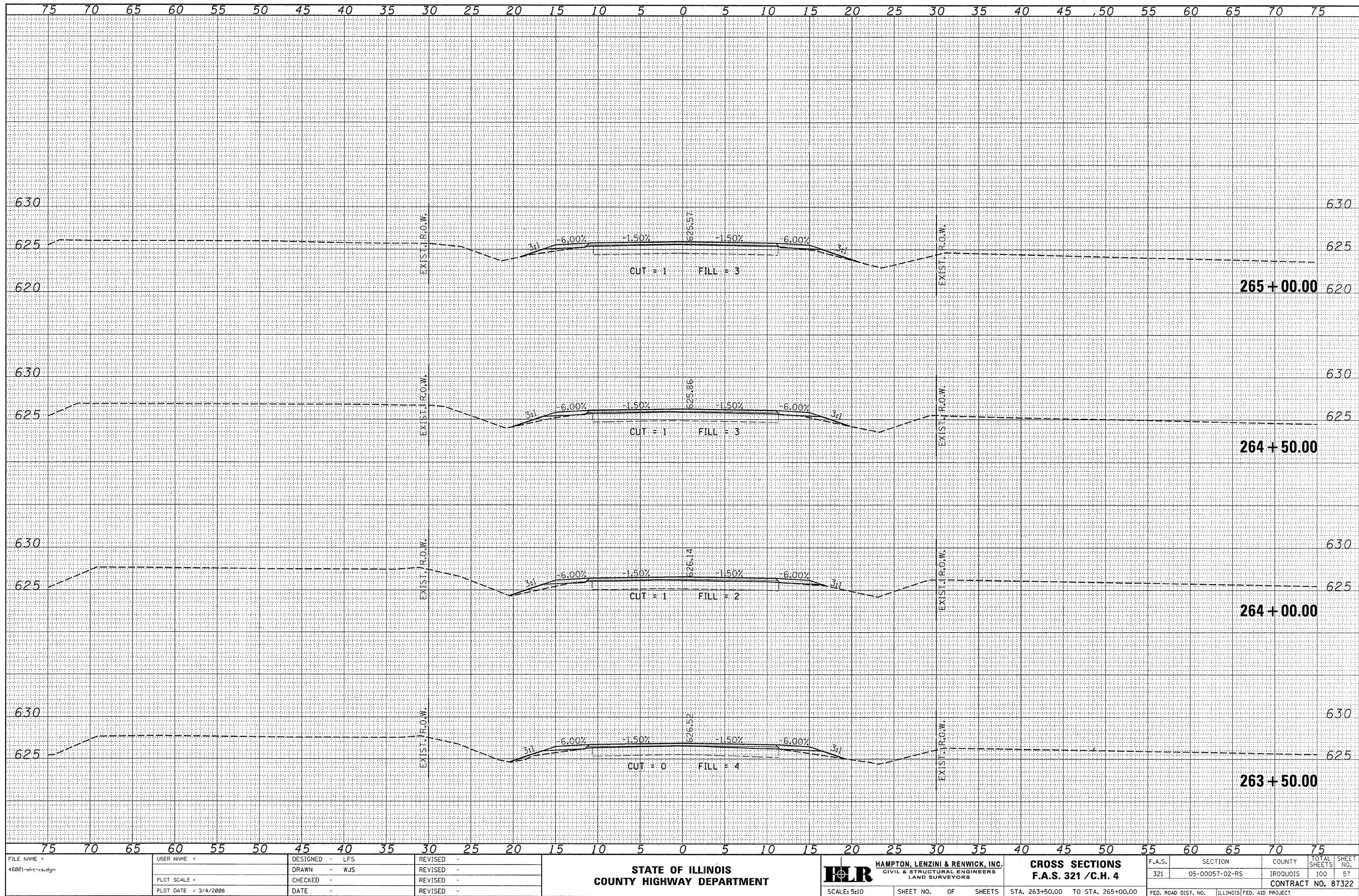
ORIGINAL SURVEY	SURVEYED PLOTTED TEMPLATE AREAS	BY	DATE
NOTE BOOK	AREAS CHECKED		
NO.			



FILE NAME =	USER NAME =	DESIGNED - LFS	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
46001-sh1-x.sxdgn		DRAWN - WJS	REVISED -			321	05-00057-02-RS	IR000U01S	100	56	
PLOT SCALE =	CHECKED -	REVISED -				CONTRACT NO. 87322					
PLOT DATE = 3/4/2000	DATE	REVISED -									
STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT				SCALE: 5x10	SHEET NO. OF SHEETS	STA. 261+50.00 TO STA. 263+00.00					
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED

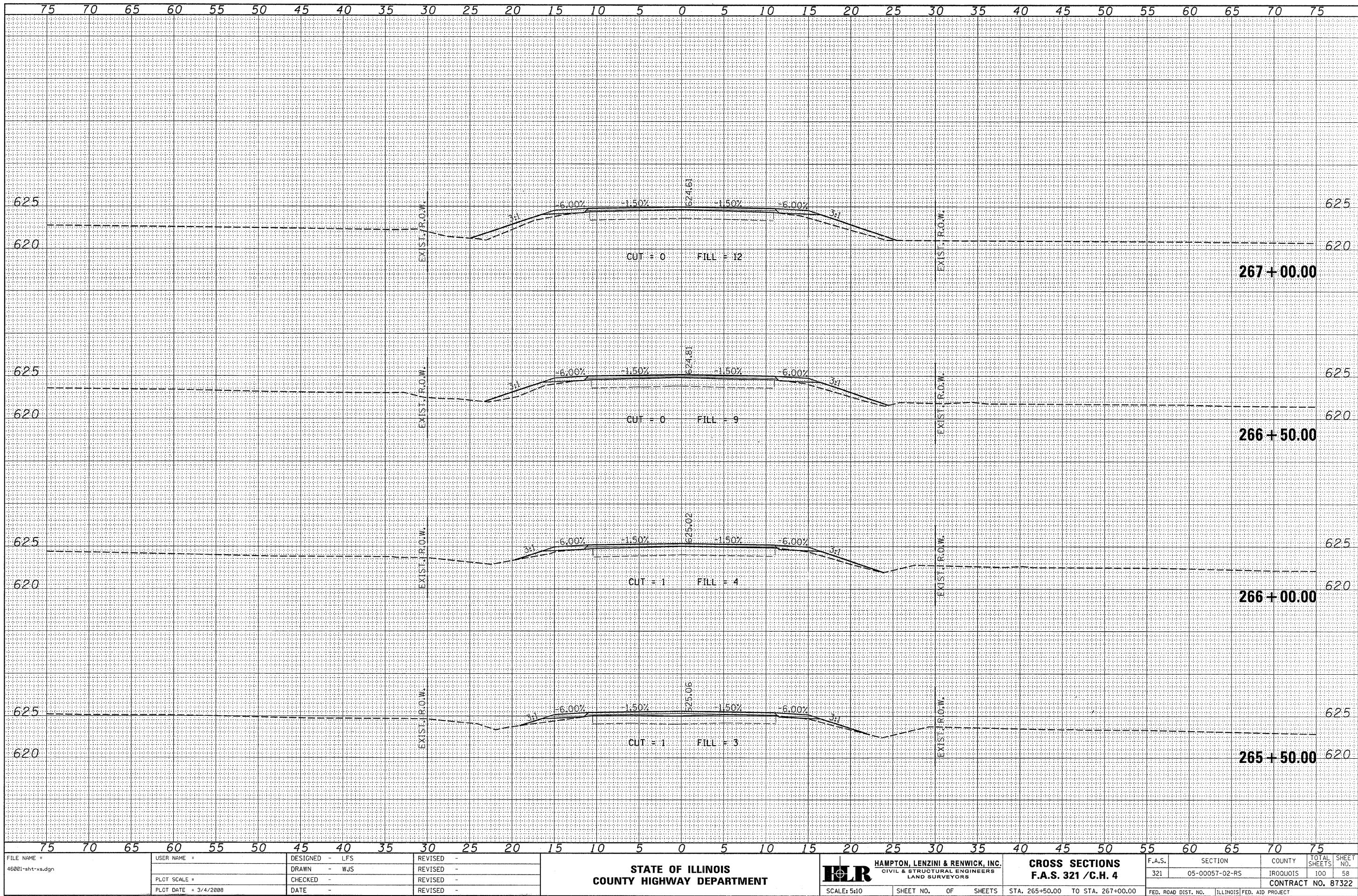
DATE	BY	ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED



FILE NAME = 46001-shr-xa.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	HLR HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S. 321	SECTION 05-00057-02-RS	COUNTY IROQUOIS	TOTAL SHEETS 100	SHEET NO. 57
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322								
PLOT DATE = 3/4/2008	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
SCALE: 5x10		SHEET NO. OF SHEETS					STA. 263+50.00 TO STA. 265+00.00				

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

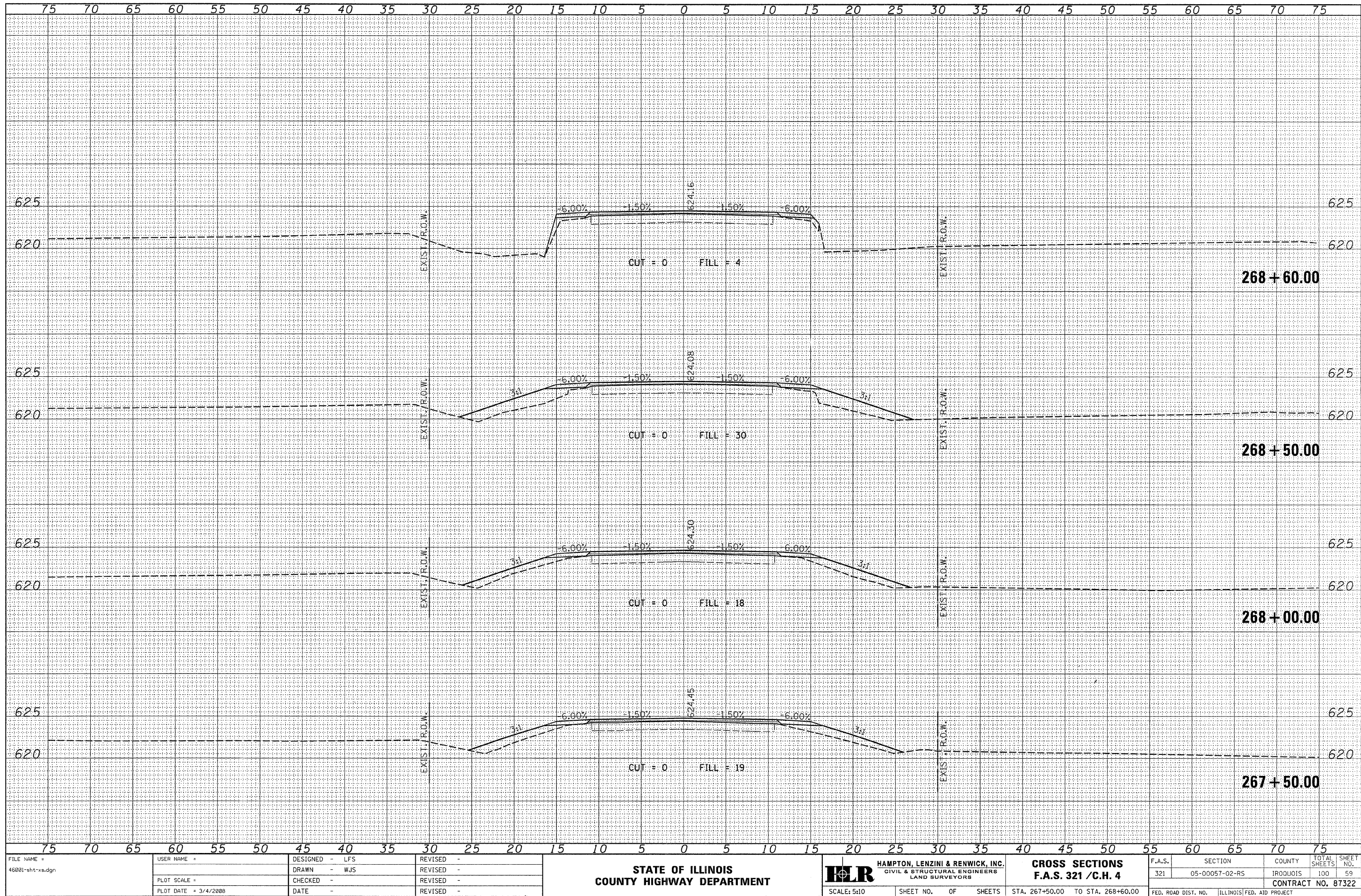
DATE	BY	DATE
ORIGINAL SURVEY	SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE	AREAS CHECKED
NO.		



FILE NAME = 46001-sht-xs.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	HLR HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S. 321	SECTION 05-00057-02-RS	COUNTY IROQUOIS	TOTAL SHEETS 100	SHEET NO. 58		
	PLOT SCALE =	DRAWN - WJS	REVISED -				CONTRACT NO. 87322						
	CHECKED -	REVIS	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						
	PLOT DATE = 3/4/2008	DATE -	REVISED -				SCALE: 5:10 SHEET NO. OF SHEETS STA. 265+50.00 TO STA. 267+00.00						

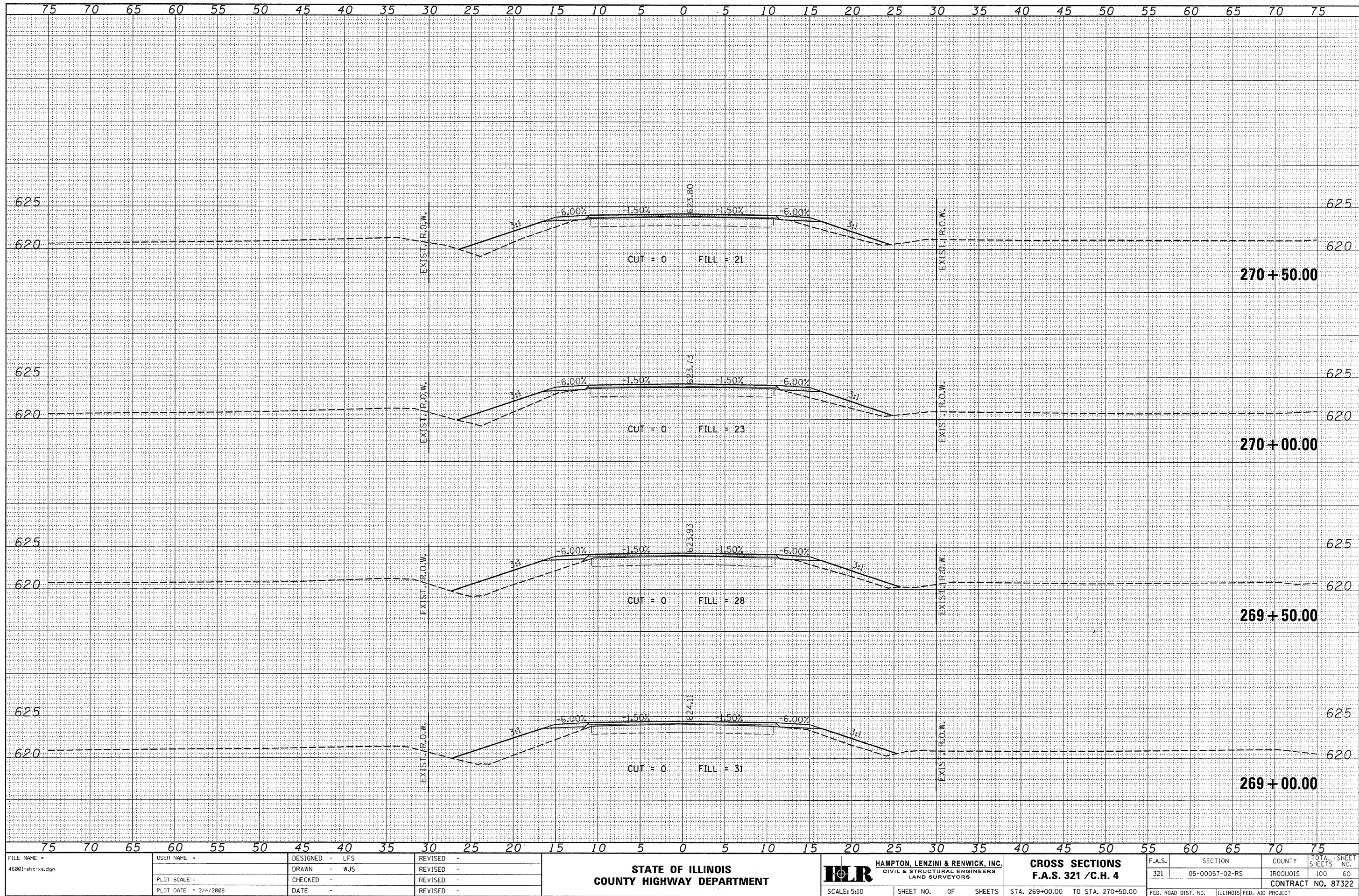
DATE	BY	FINAL SURVEY	SURVEYED
		NOTE BOOK	PLOTTED
		NO.	TEMPLATE
			AREAS CHECKED

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



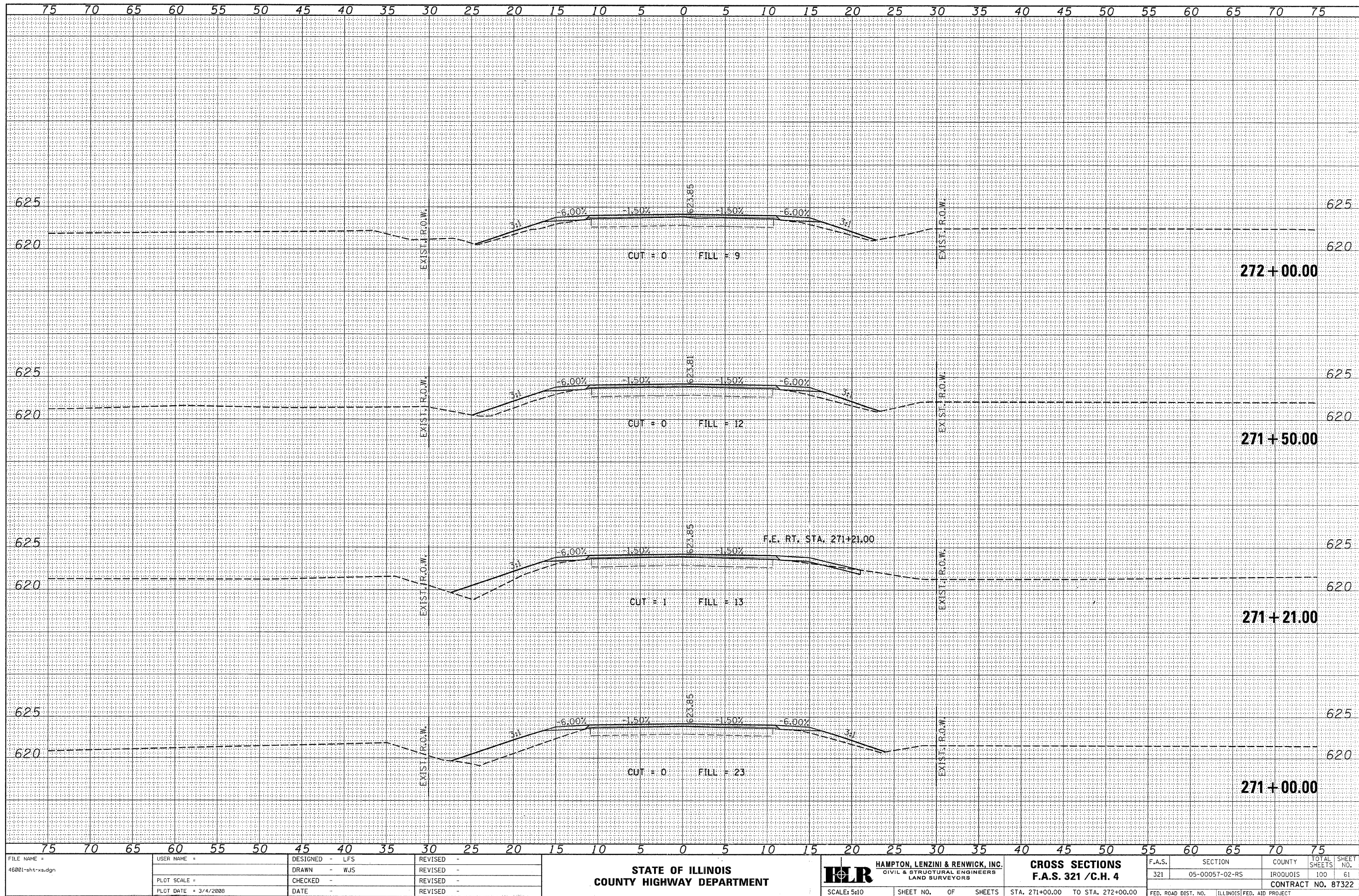
FINAL SURVEY NOTE BOOK NO.	BY	DATE
ORIGINAL SURVEY NOTE BOOK NO.	BY	DATE

ORIGINAL SURVEY NOTE BOOK NO.	BY	DATE
ORIGINAL SURVEY NOTE BOOK NO.	BY	DATE



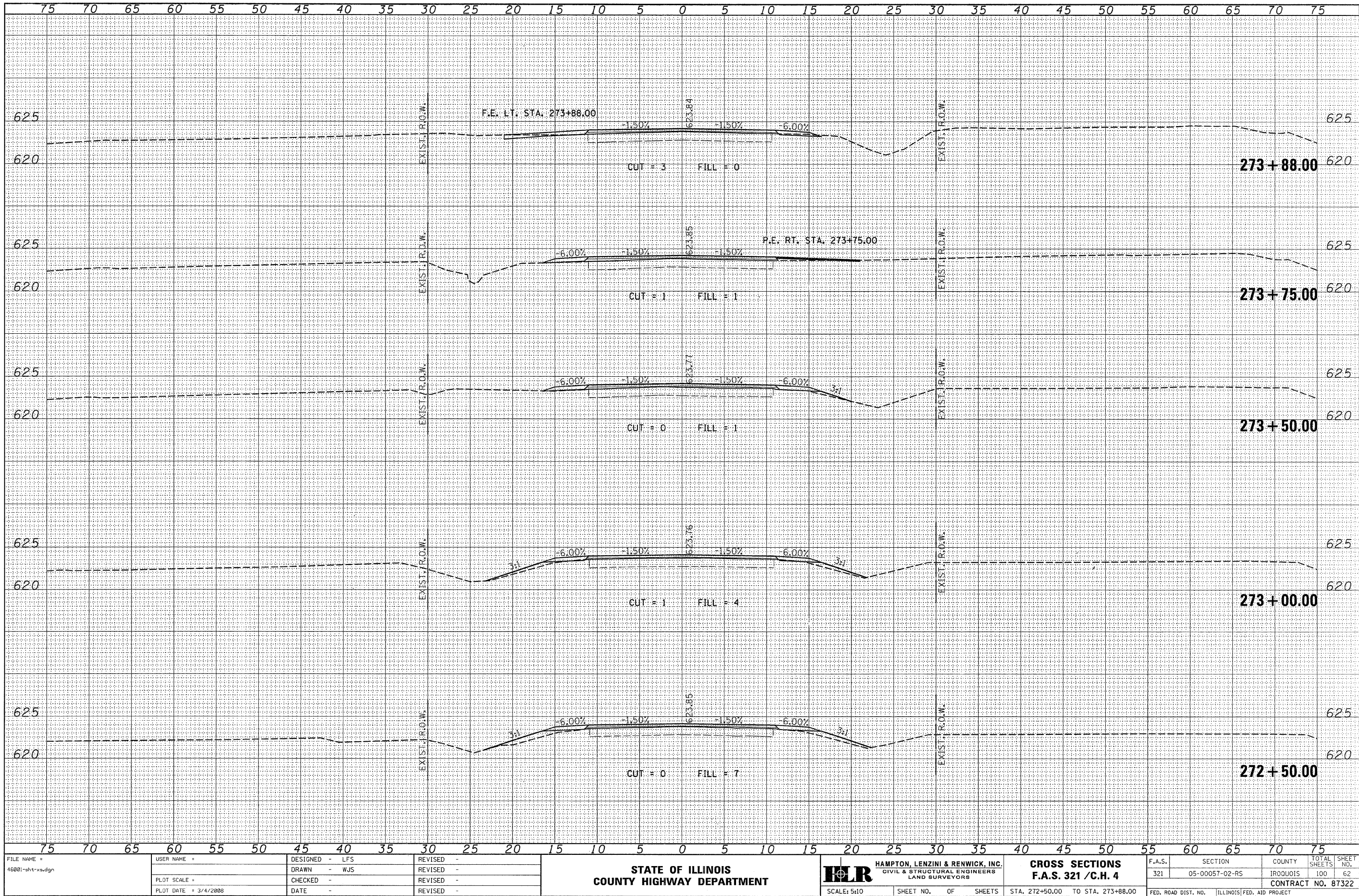
DATE	BY	DATE
FINAL SURVEY	SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE	AREAS CHECKED
NO.		

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



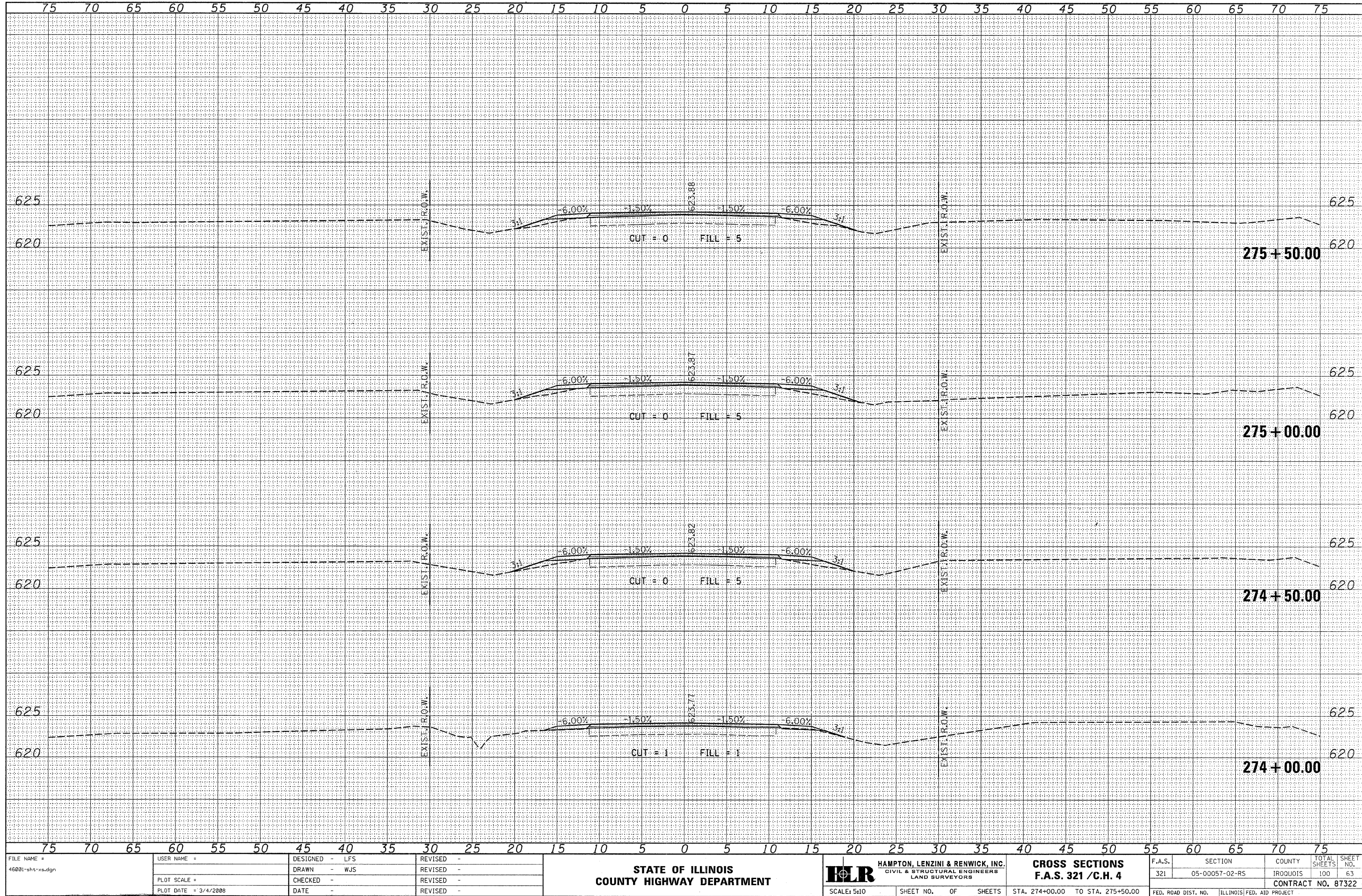
DATE	BY	SURVEYED	PLOTTED	TEMPLATE	NO.

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	NO.



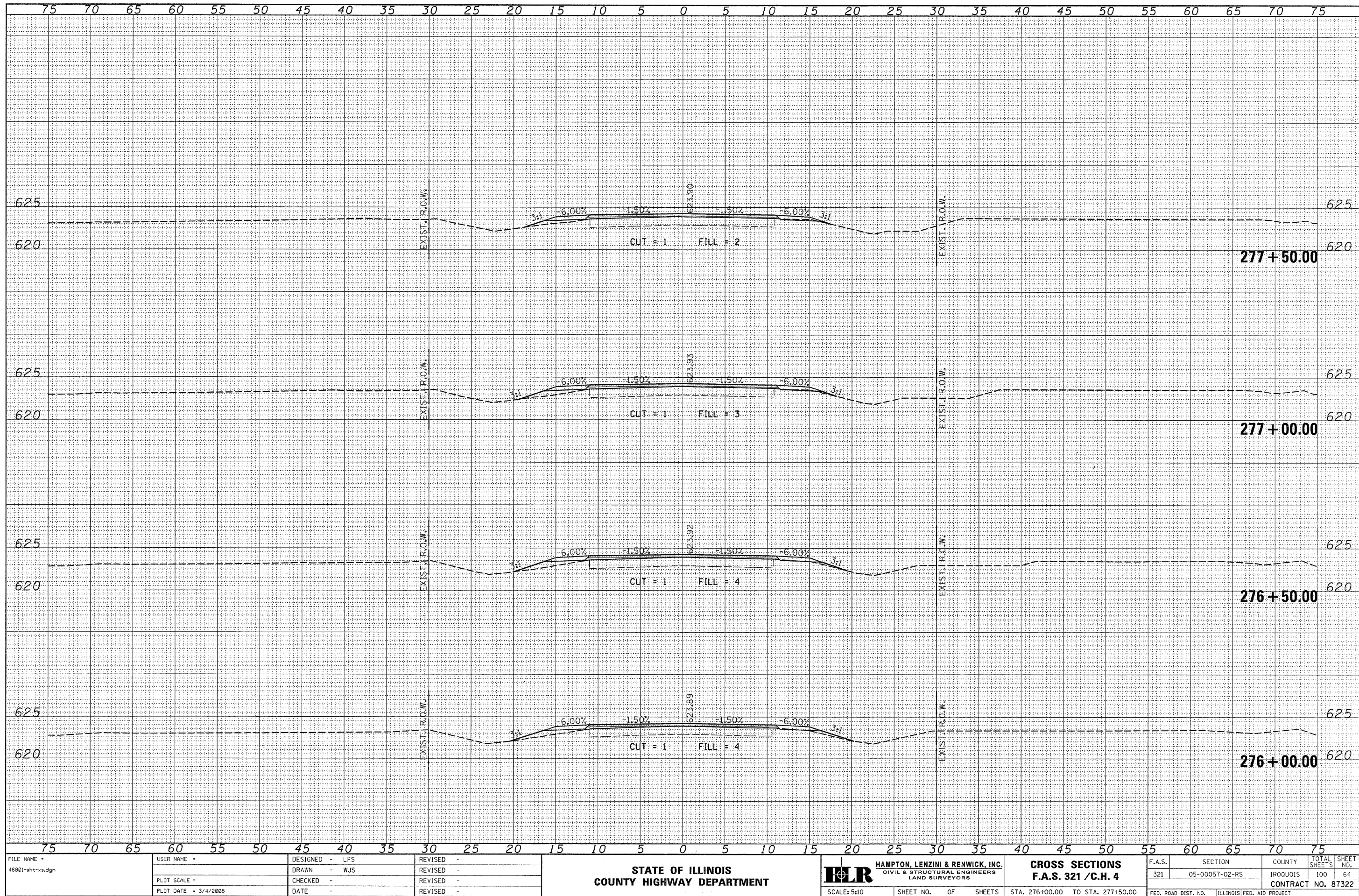
DATE	BY	SURVEYED	PLOTTED	TEMPLATE	NO.

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	NO.



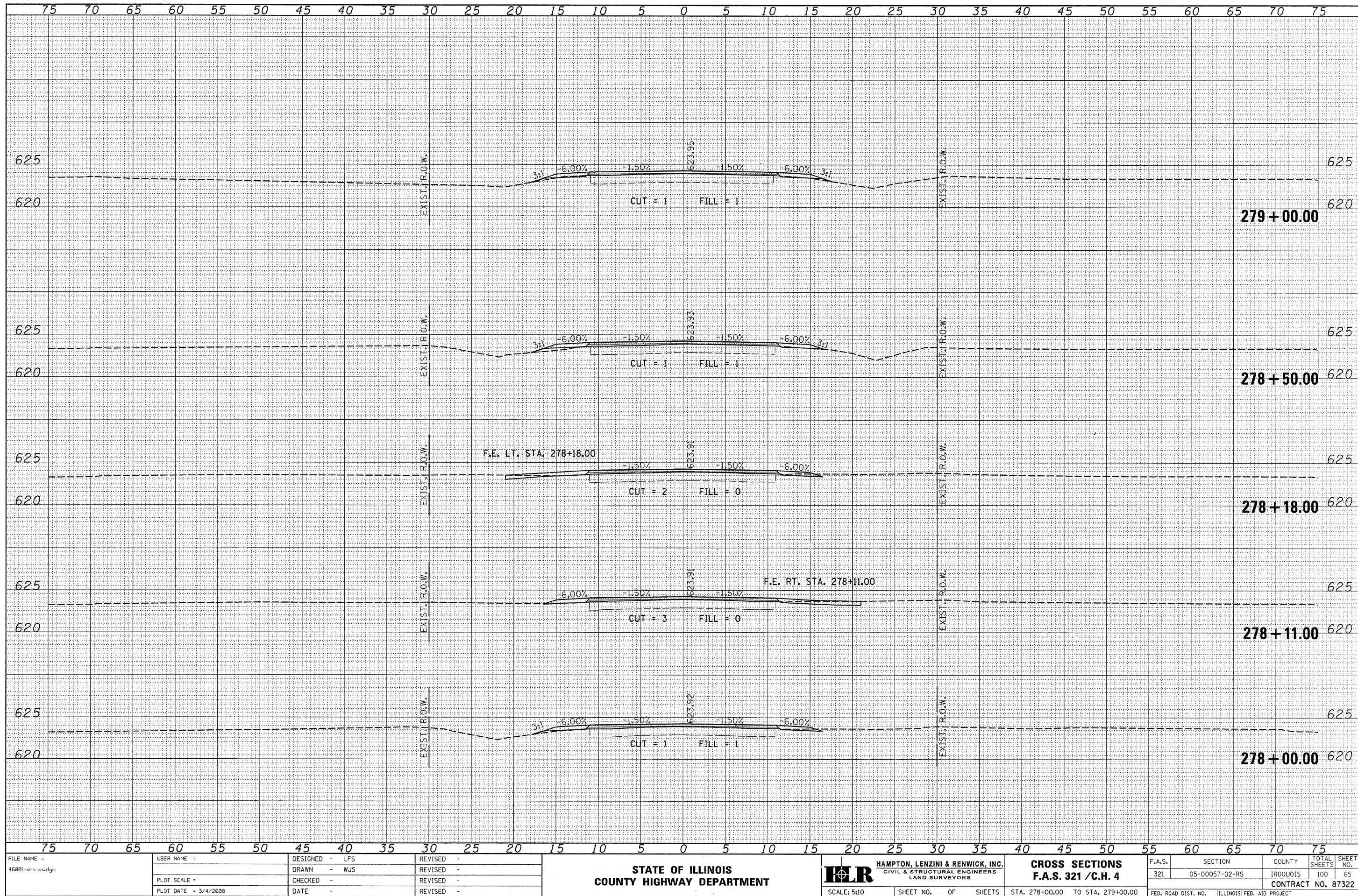
DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NO.

DATE	BY	ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NO.



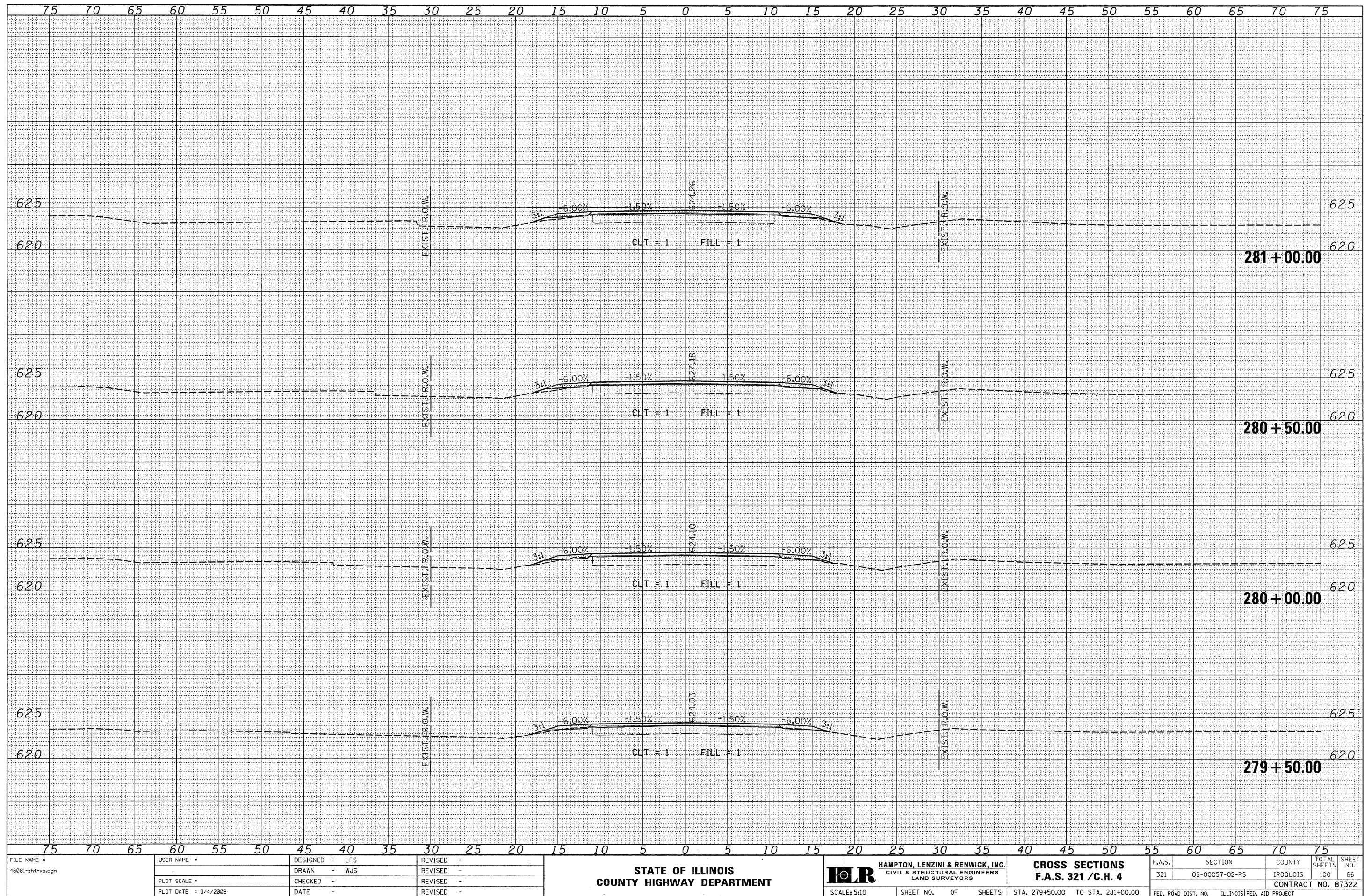
DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NO.

DATE	BY	ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NO.



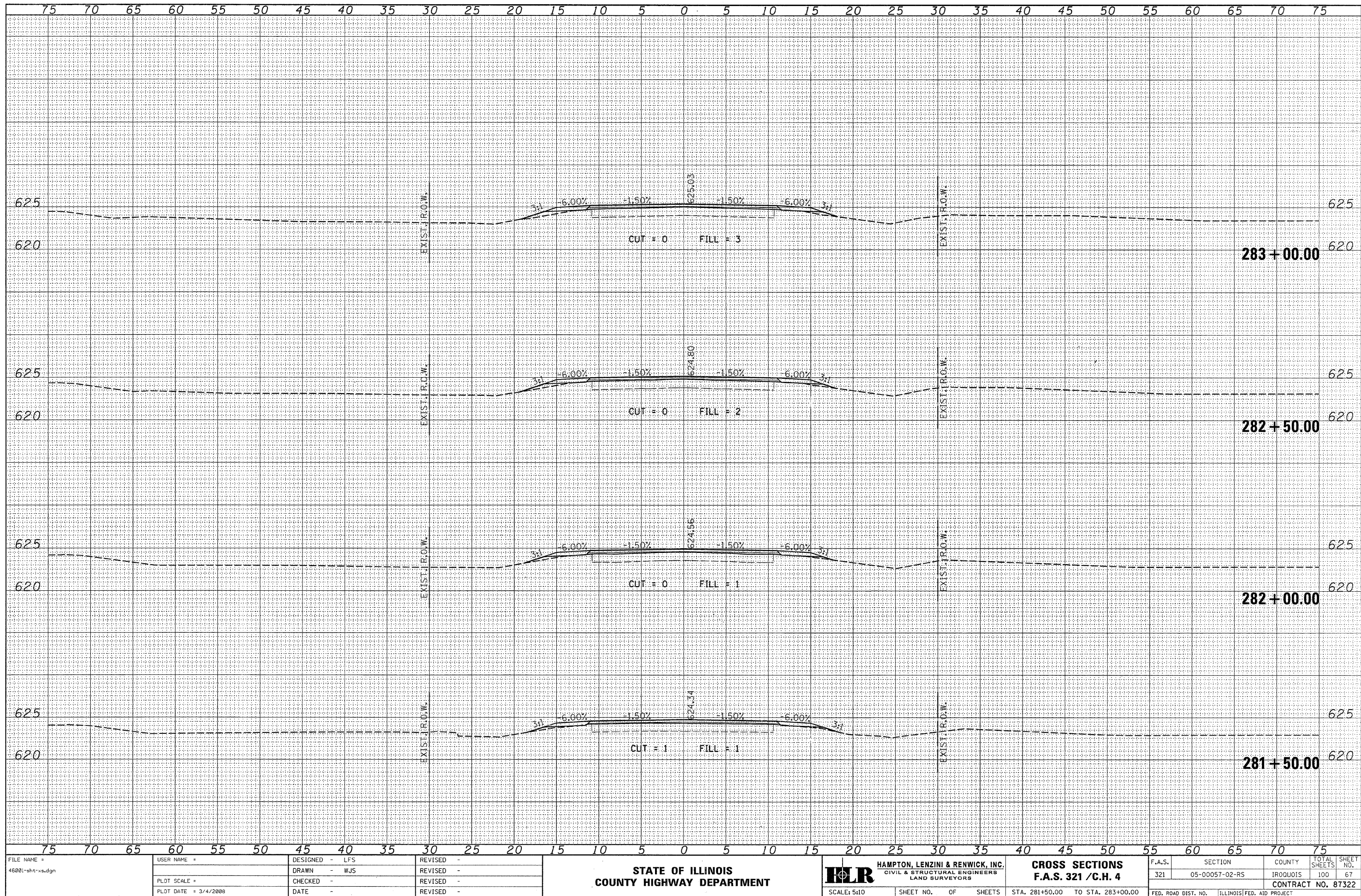
FILE NAME = 46001-sh1-x.s.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	HLR HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S. 321	SECTION 05-00057-02-RS	COUNTY IROQUOIS	TOTAL SHEETS 100	SHEET NO. 65
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322								
PLOT DATE = 3/4/2008	DATE -	REVISED -	FED. ROAD DIST. NO.				ILLINOIS	FED. AID PROJECT			
			SCALE: 5:10				SHEET NO.	OF	SHEETS		

ORIGINAL			
SURVEY	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			



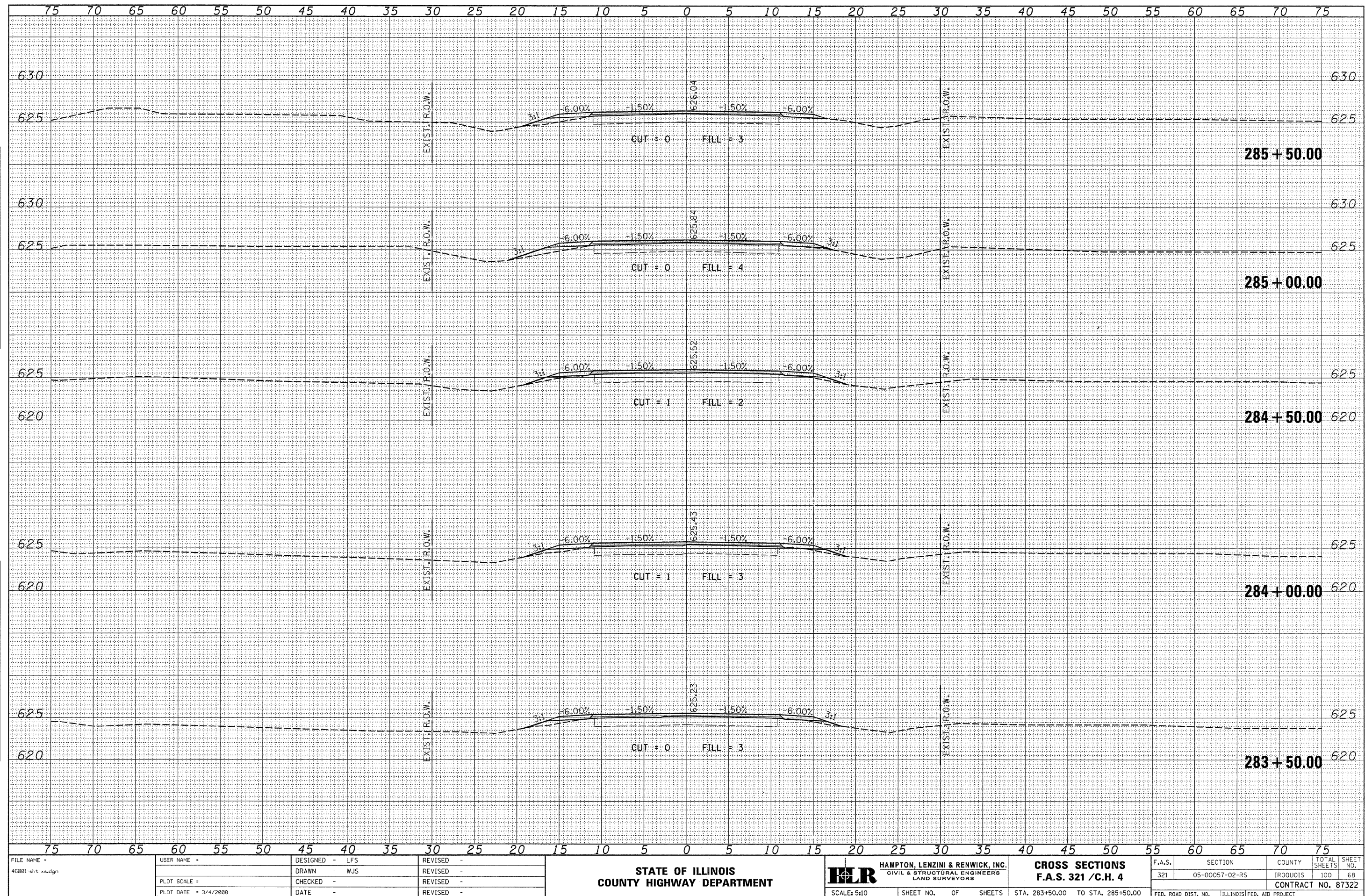
DATE	BY	SURVEYED	FLATTED	TEMPLATE	NO.

DATE	BY	SURVEYED	FLATTED	TEMPLATE	NO.



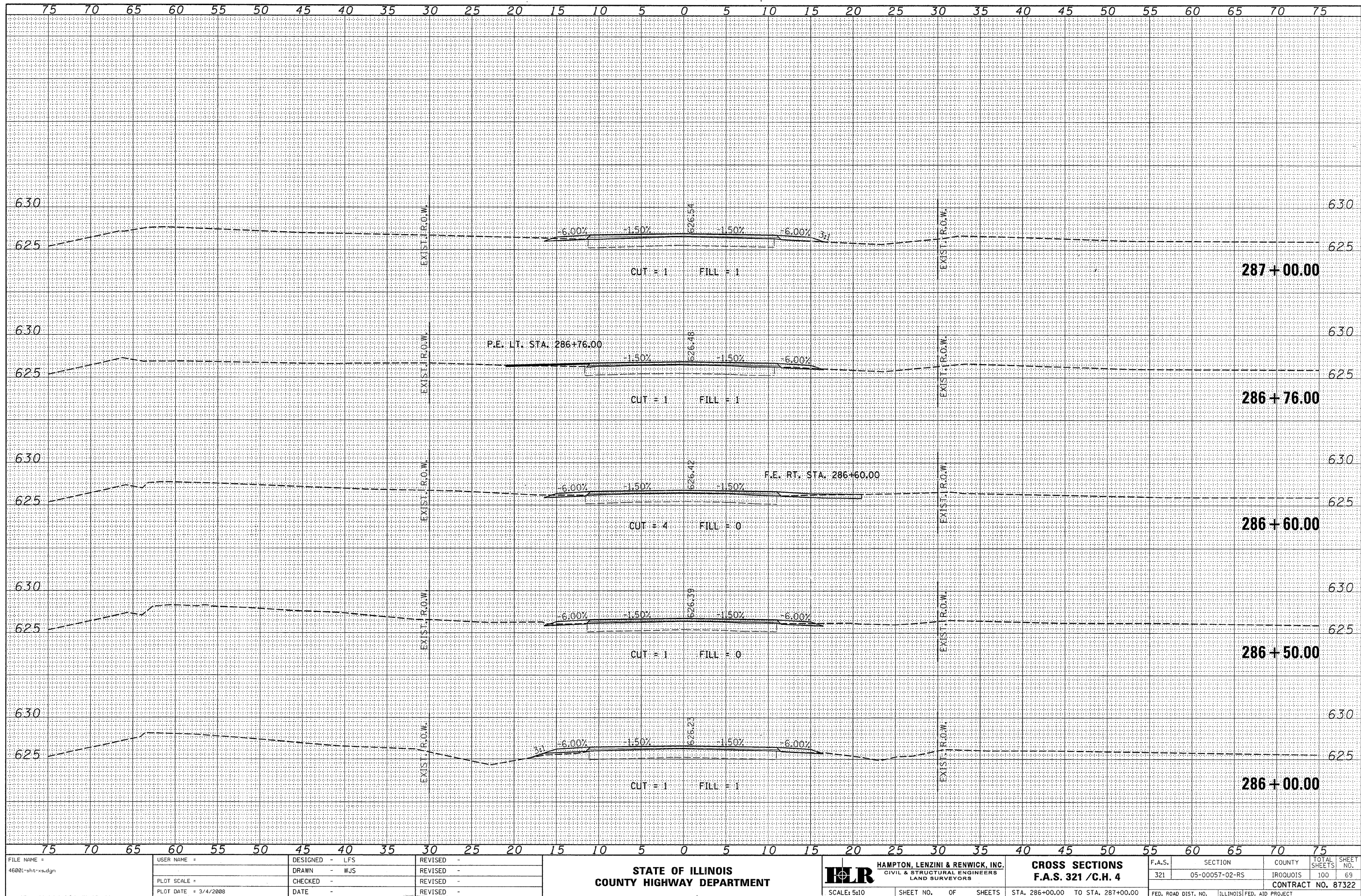
FINAL SURVEY		BY	DATE
NOTE BOOK			
TEMPLATE			
ABEAS			
APRIS			
APRIS SURVEY			

ORIGINAL SURVEY			
NOTE BOOK	SURVIVED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS SURVIVED		



BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	FLOTTED
NO.	TEMPLATE
	AREAS CHECKED

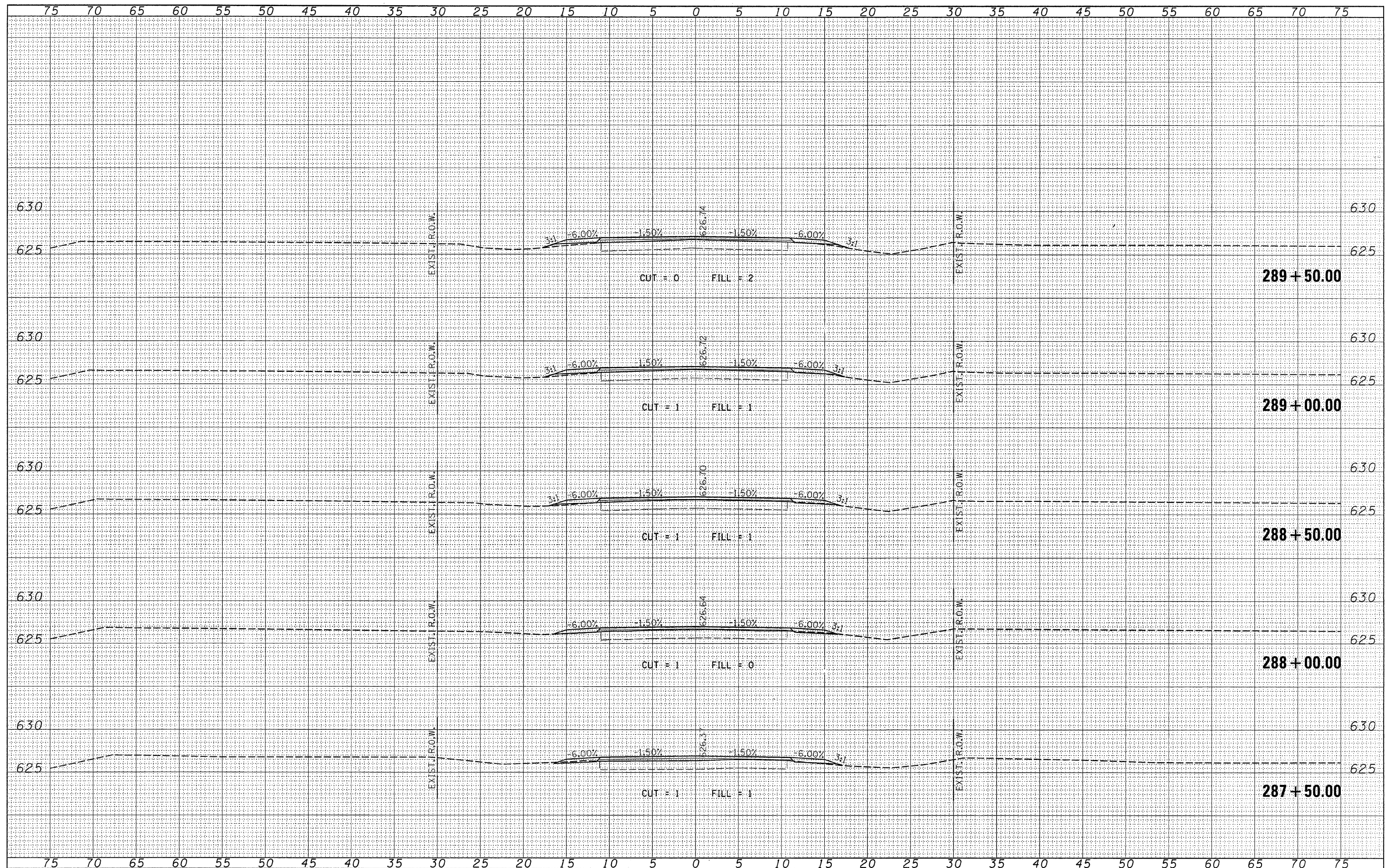
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	FLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME = 46001-shr-xa.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	HLR HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S. 321	SECTION 05-00057-02-RS	COUNTY IROQUOIS	TOTAL SHEETS 100	SHEET NO. 69
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322								
PLOT DATE = 3/4/2008	DATE -	REVISED -									

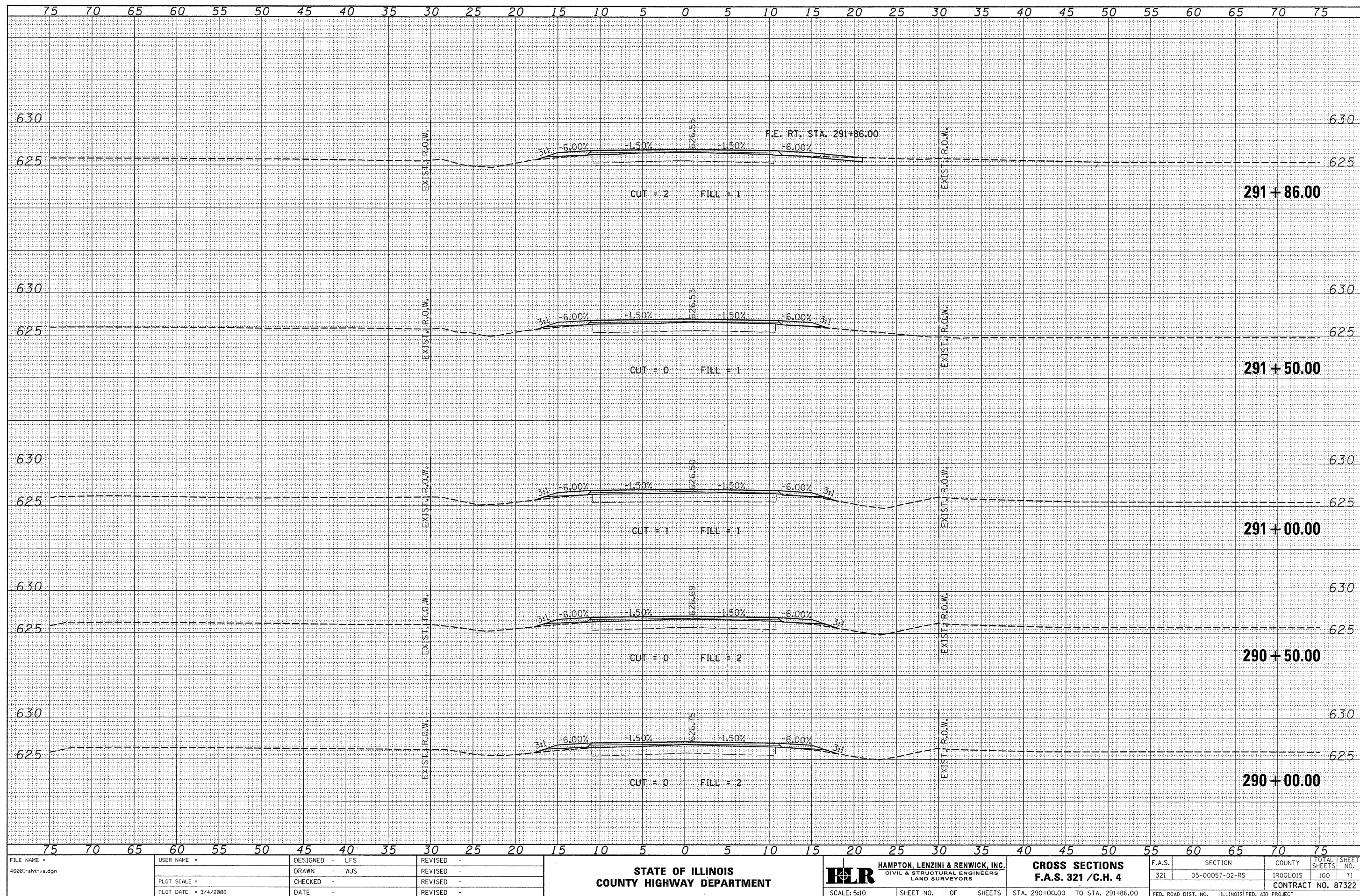
FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO.	AREAS CHECKED _____		

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



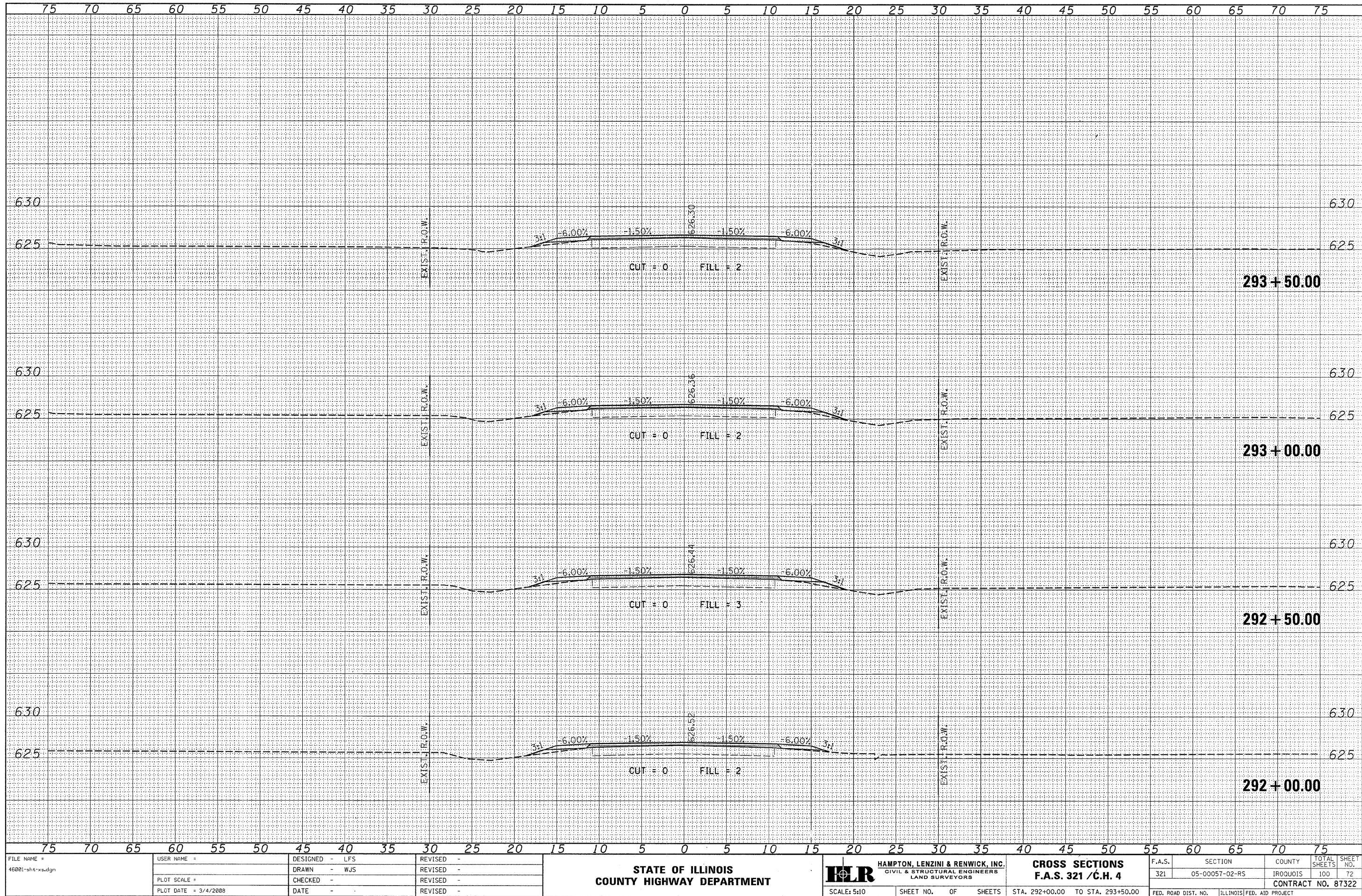
FILE NAME = 46001-sht-xx.dgn	USER NAME =	DESIGNED - LFS	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 /C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - WJS	REVISED -			321	05-00057-02-RS	IRROUOIS	100	70
	PLOT SCALE =	CHECKED -	REVISED -			CONTRACT NO. 87322				
	PLOT DATE = 3/4/2008	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE: 5=10	SHEET NO. OF SHEETS	STA. 287+50.00 TO STA. 289+50.00				

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



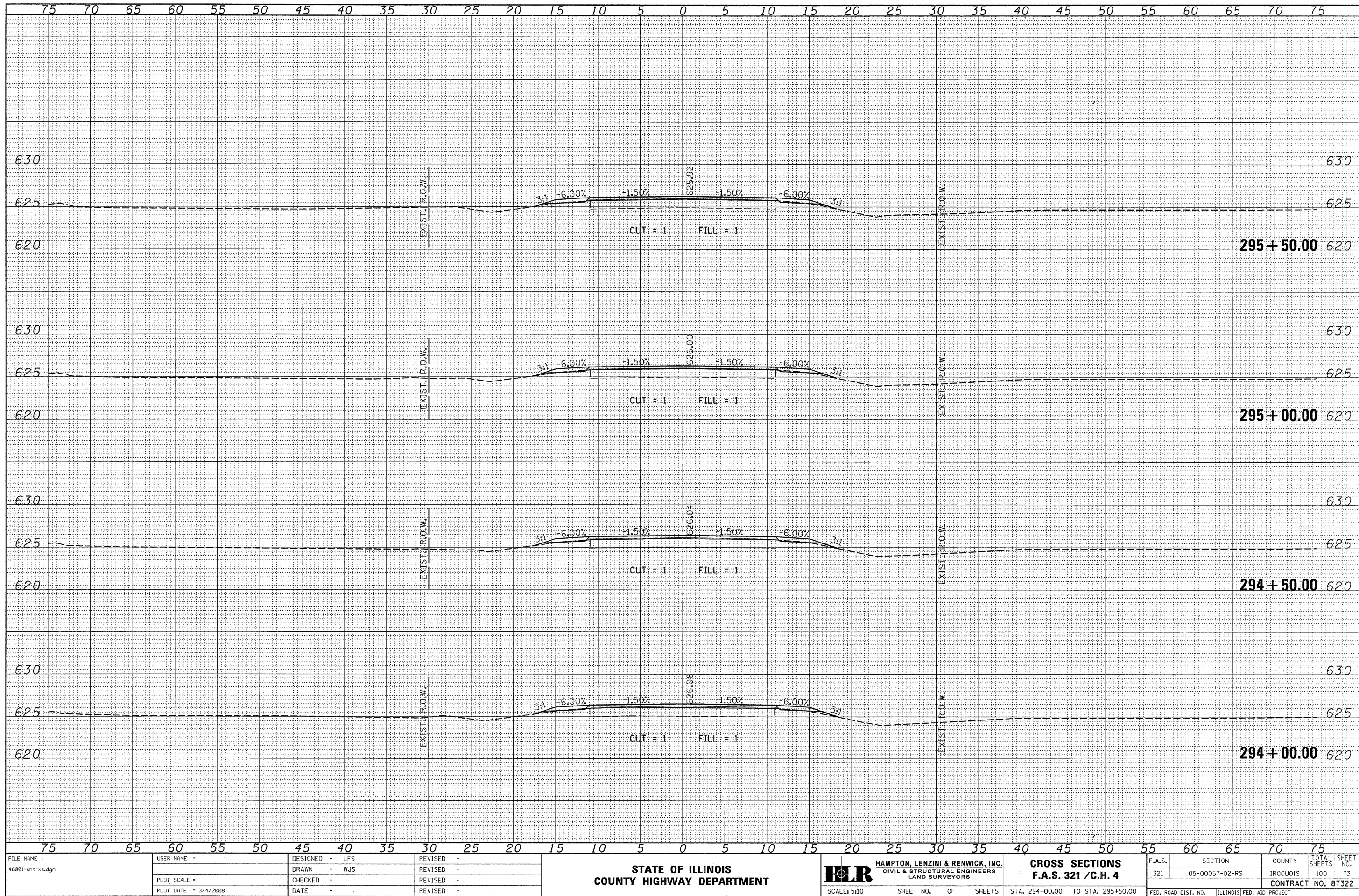
FINAL	SURVEYED	BY	DATE
SURVEY	PLOTTED		
NOTE BOOK	TEMPLATE		
NO.	AREAS CHECKED		

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



DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		FINAL	NO. 1	NO. 1	NO. 1

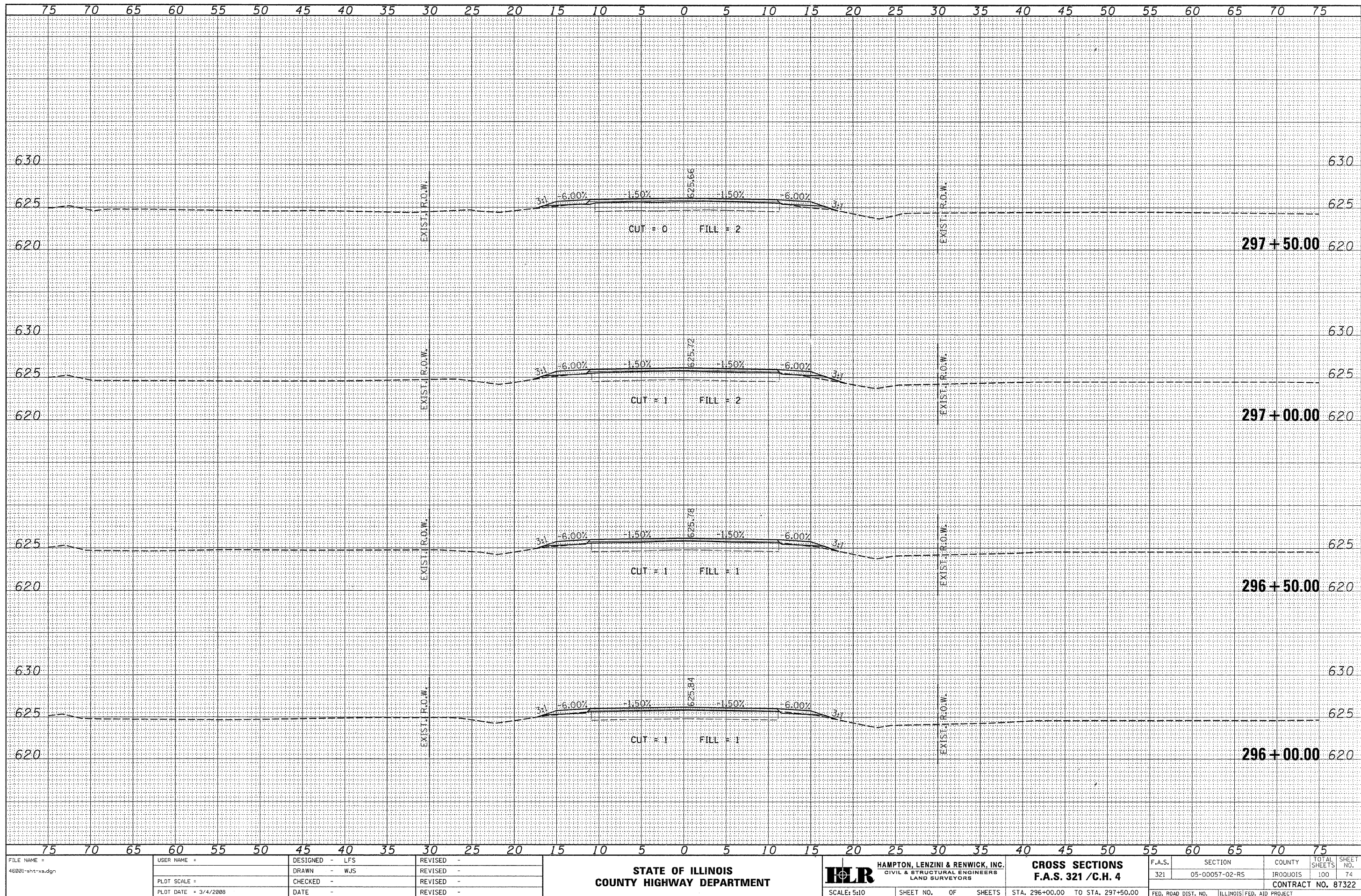
DATE	BY	SURVEYED	PLOTTED	TEMPLATE	AREAS CHECKED
		ORIGINAL	NO. 1	NO. 1	NO. 1



FILE NAME = 46801-sht-x.sdg	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	HLR HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 / C.H. 4	F.A.S. 321	SECTION 05-00057-02-RS	COUNTY IROQUOIS	TOTAL SHEETS 100	SHEET NO. 73
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322								
PLOT DATE = 3/4/2008	DATE -	REVISED -									
SCALE: 5:10							SHEET NO. OF SHEETS	STA. 294+00.00 TO STA. 295+50.00	FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT	

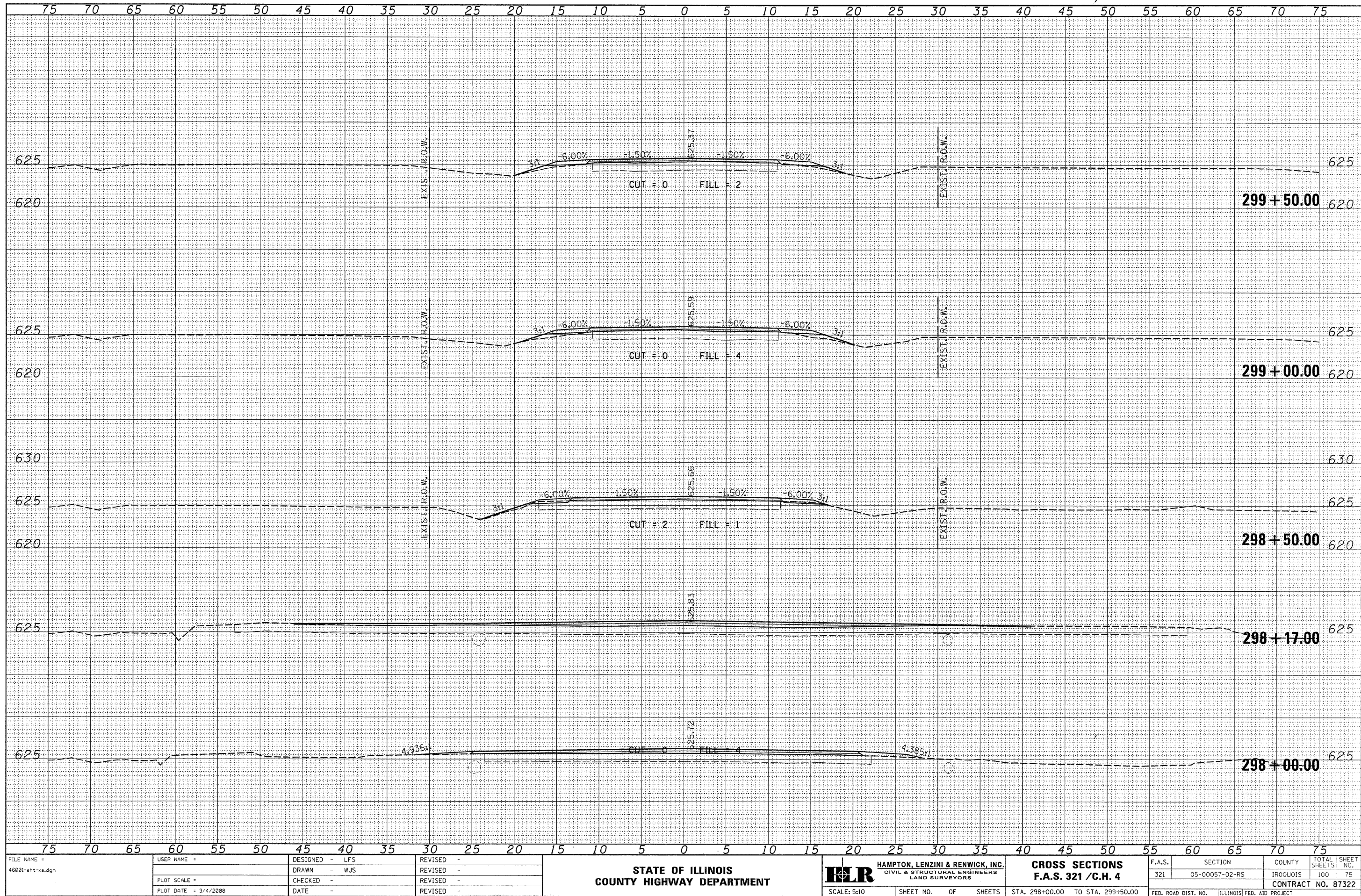
FINAL SURVEY	DATE
	BY
	SURVEYED PLOTTED TEMPLATE NOTE BOOK AREAS CHECKED NO.

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



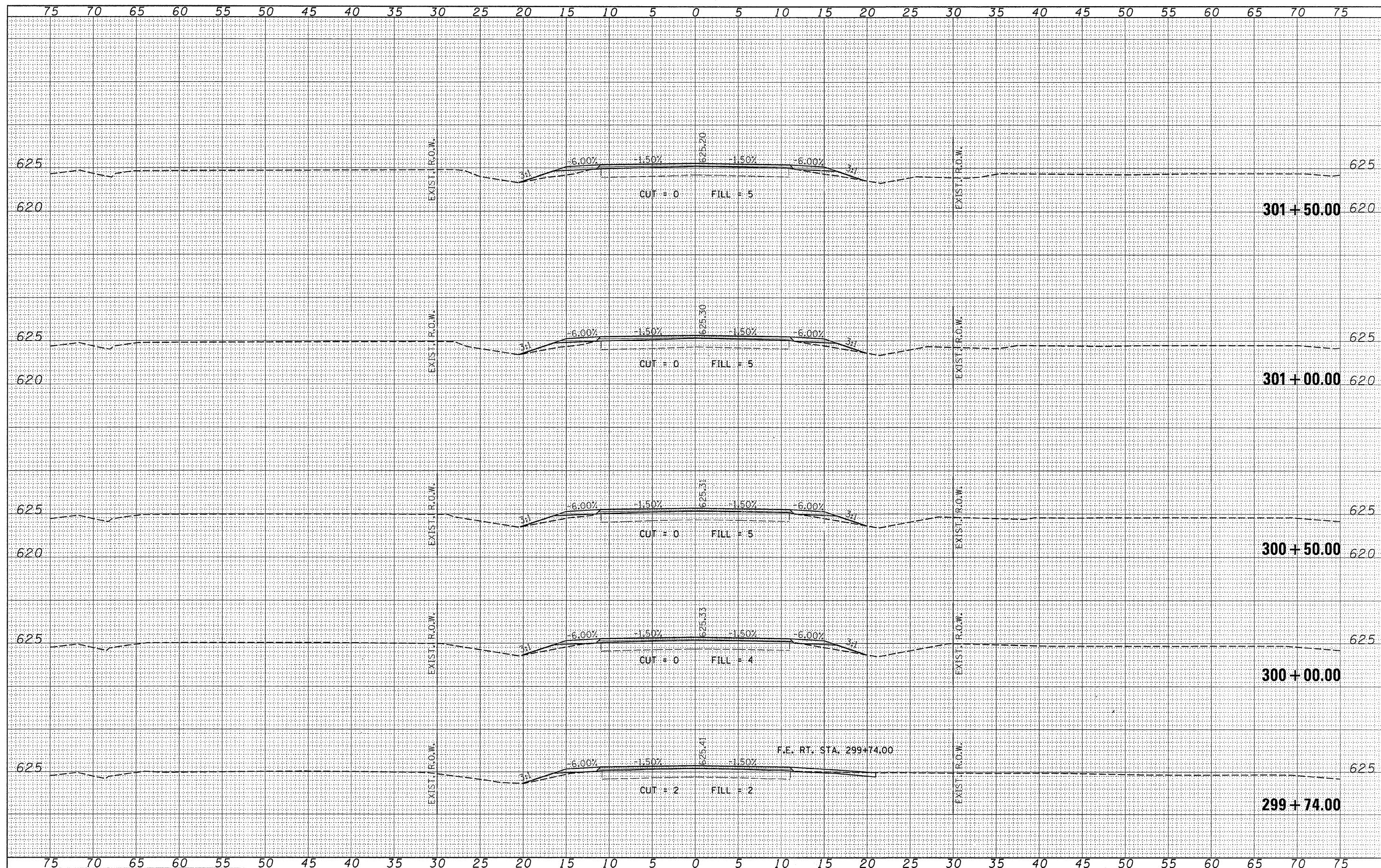
DATE	BY	SURVEYED	PLOTTED	TEMP. DATE	AREAS CHECKED
NO.		NO.			

DATE	BY	SURVEYED	PLOTTED	TEMP. DATE	AREAS CHECKED
NO.		NO.			



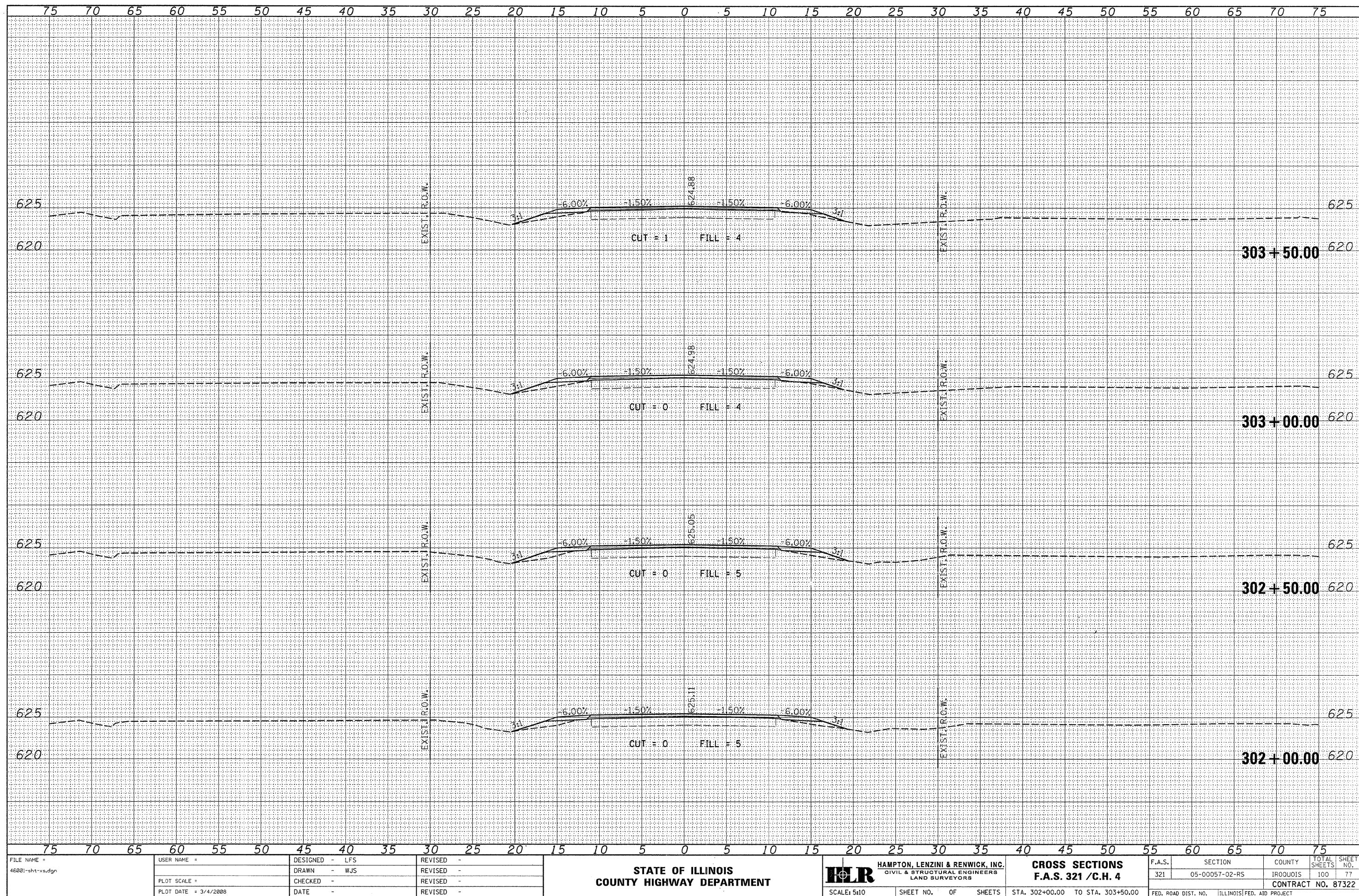
FINAL SURVEY	NO.	AREAS CHECKED	BY	DATE
NOTE BOOK	NO.	AREAS CHECKED	BY	DATE

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



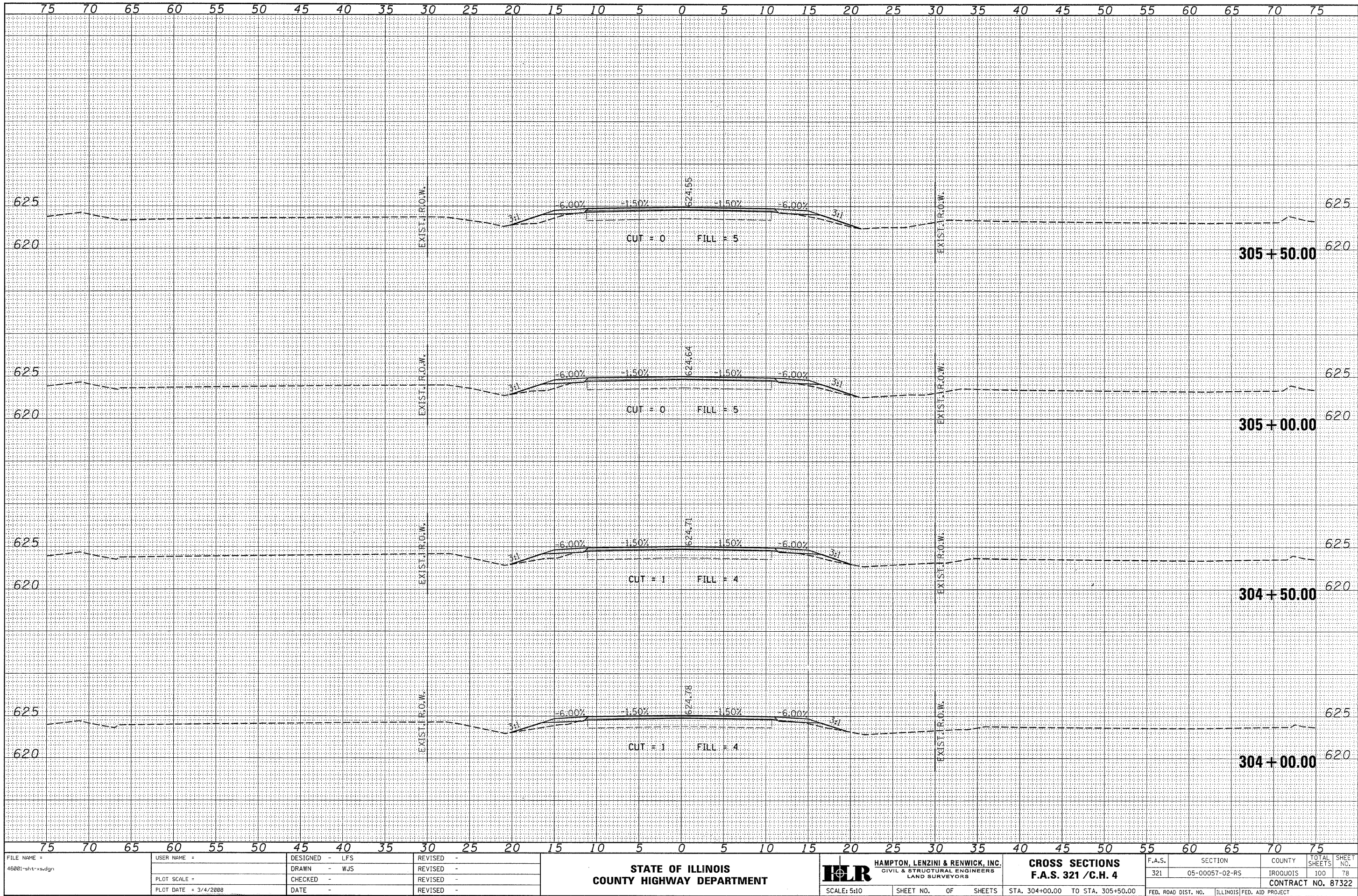
FILE NAME =	USER NAME =	DESIGNED - LFS	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 /C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
46001-sht-x.sdg	DRAWN - WJS	REVISED -	321			05-00057-02-RS	IROQUOIS	100	76	
PLOT SCALE =	CHECKED -	REVISED -	CONTRACT NO. 87322							
PLOT DATE = 3/4/2008	DATE -	REVISED -	STA. 299+74.00 TO STA. 301+50.00 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT				SCALE: 5x10 SHEET NO. OF SHEETS						

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

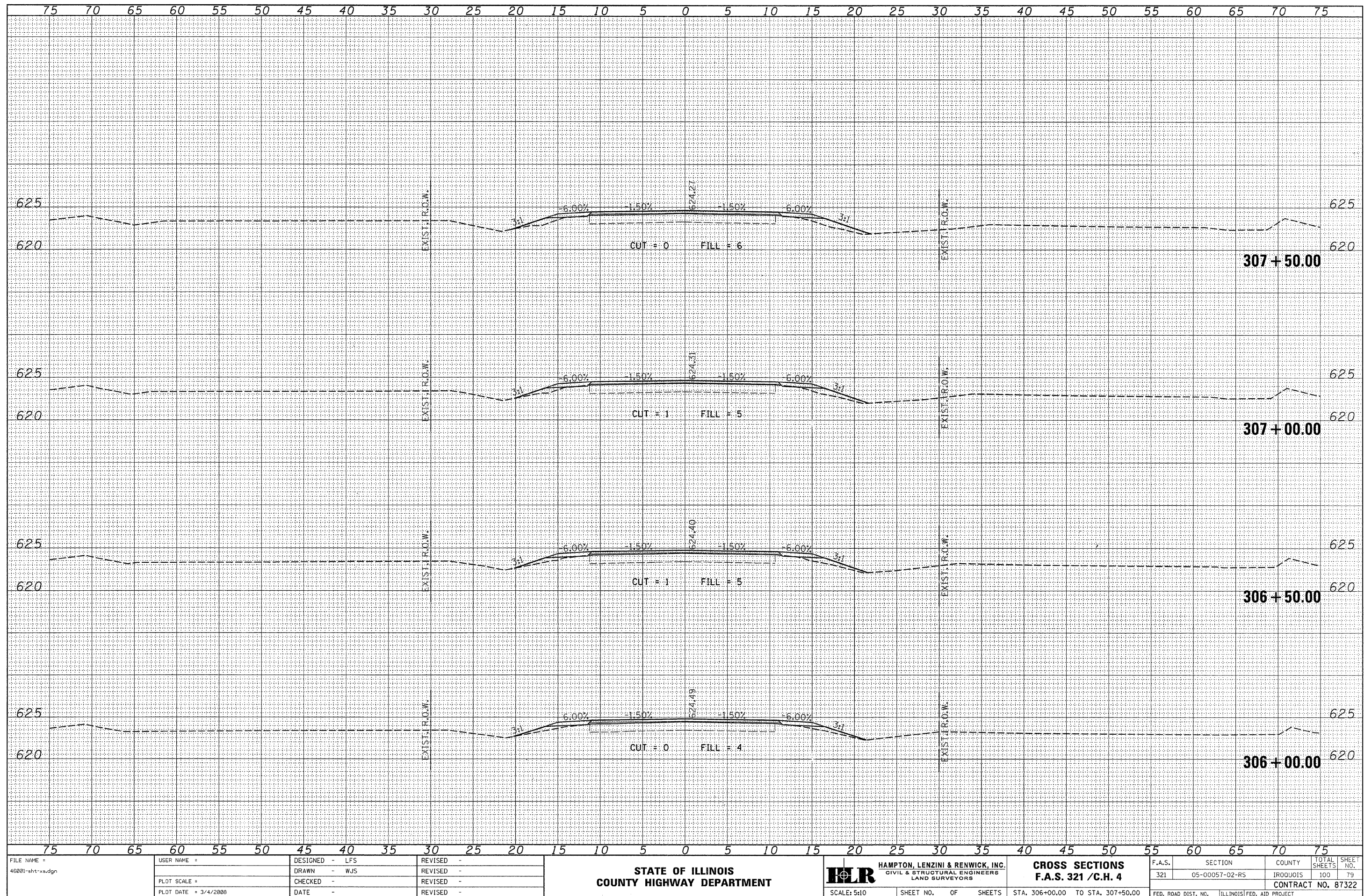


DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NO.
		NOTE BOOK				
		AREAS CHECKED				

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

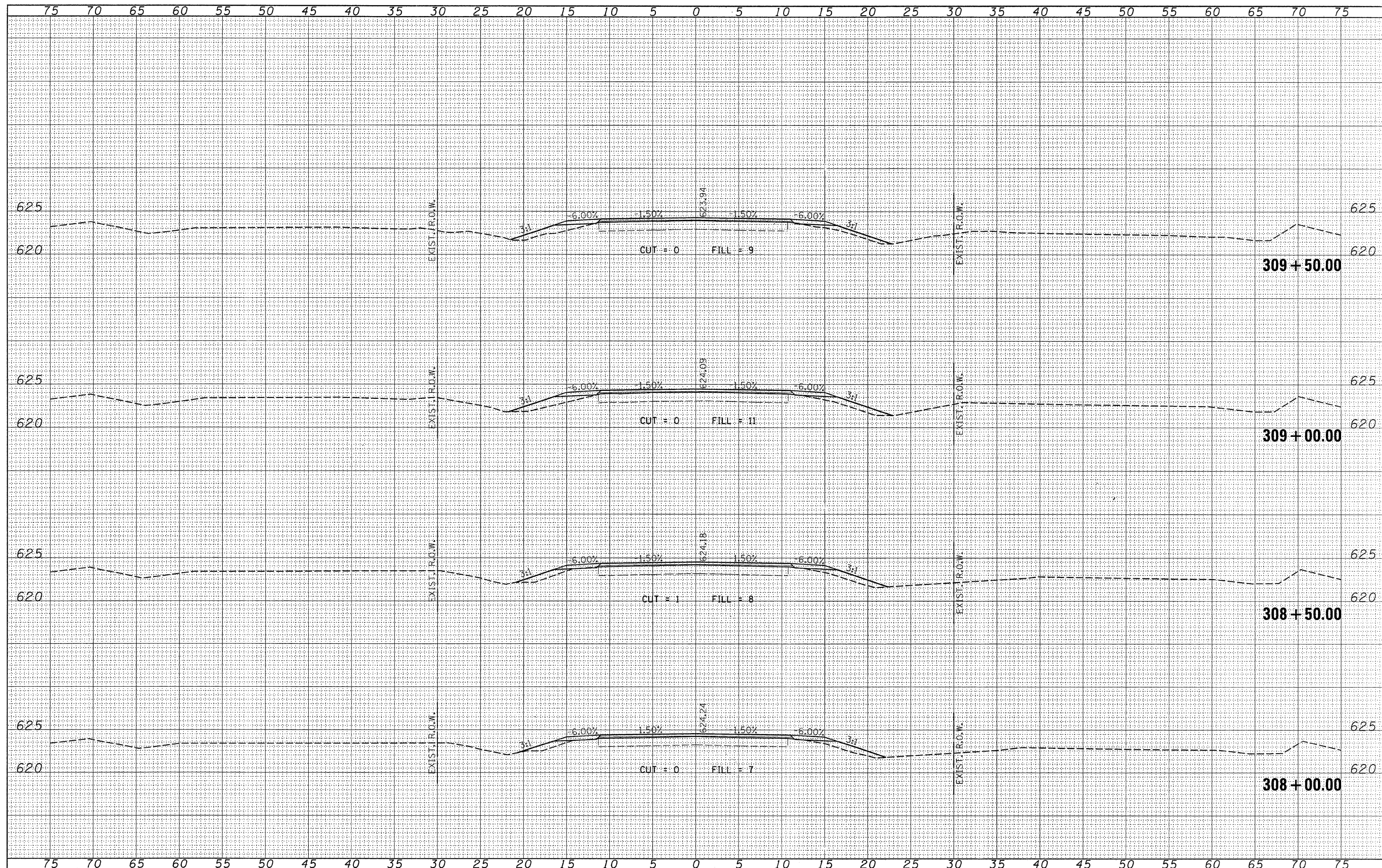


ORIGINAL SURVEY			
NOTE BOOK			
NO.			
	SURVEYED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		



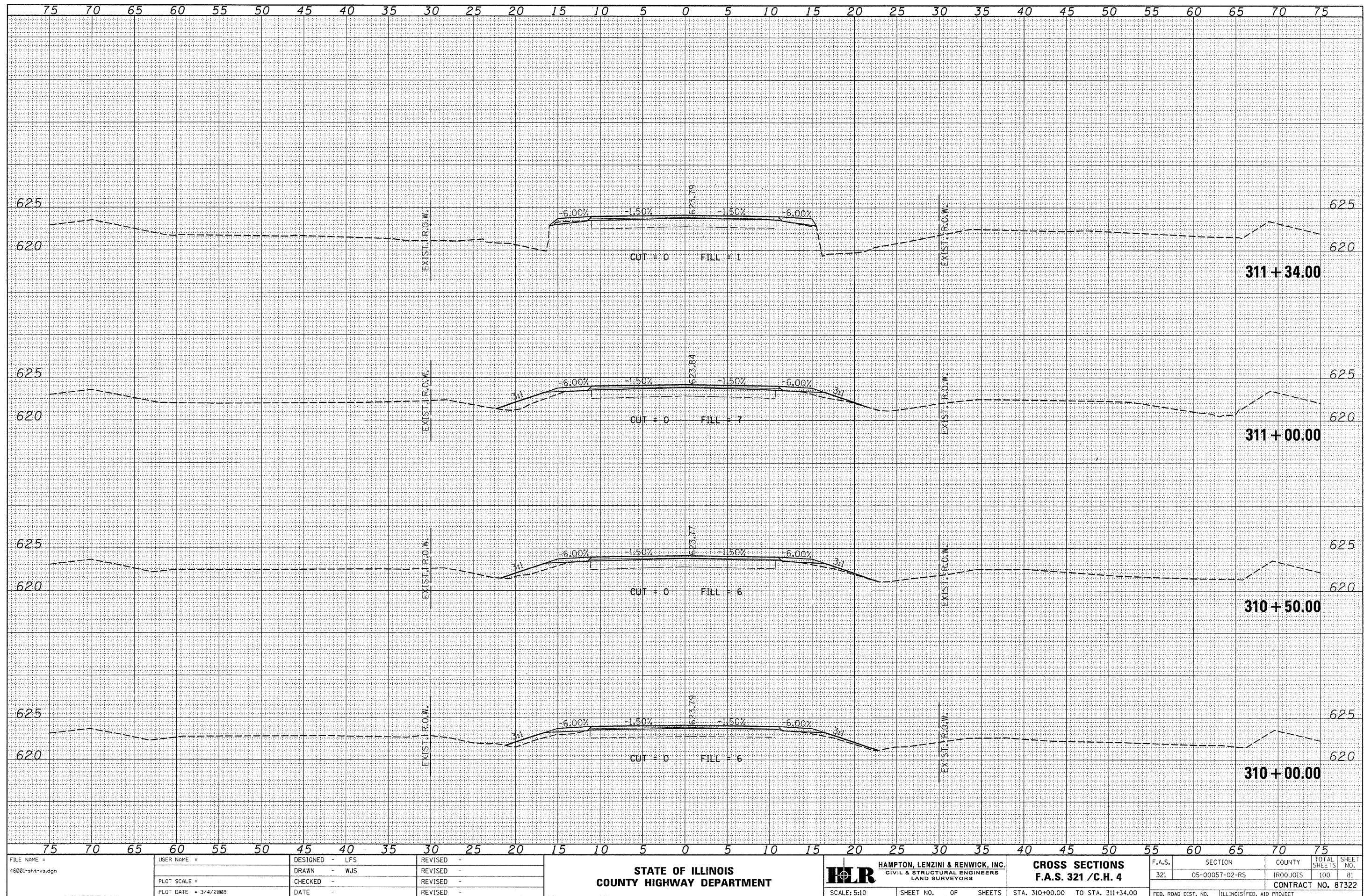
FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

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

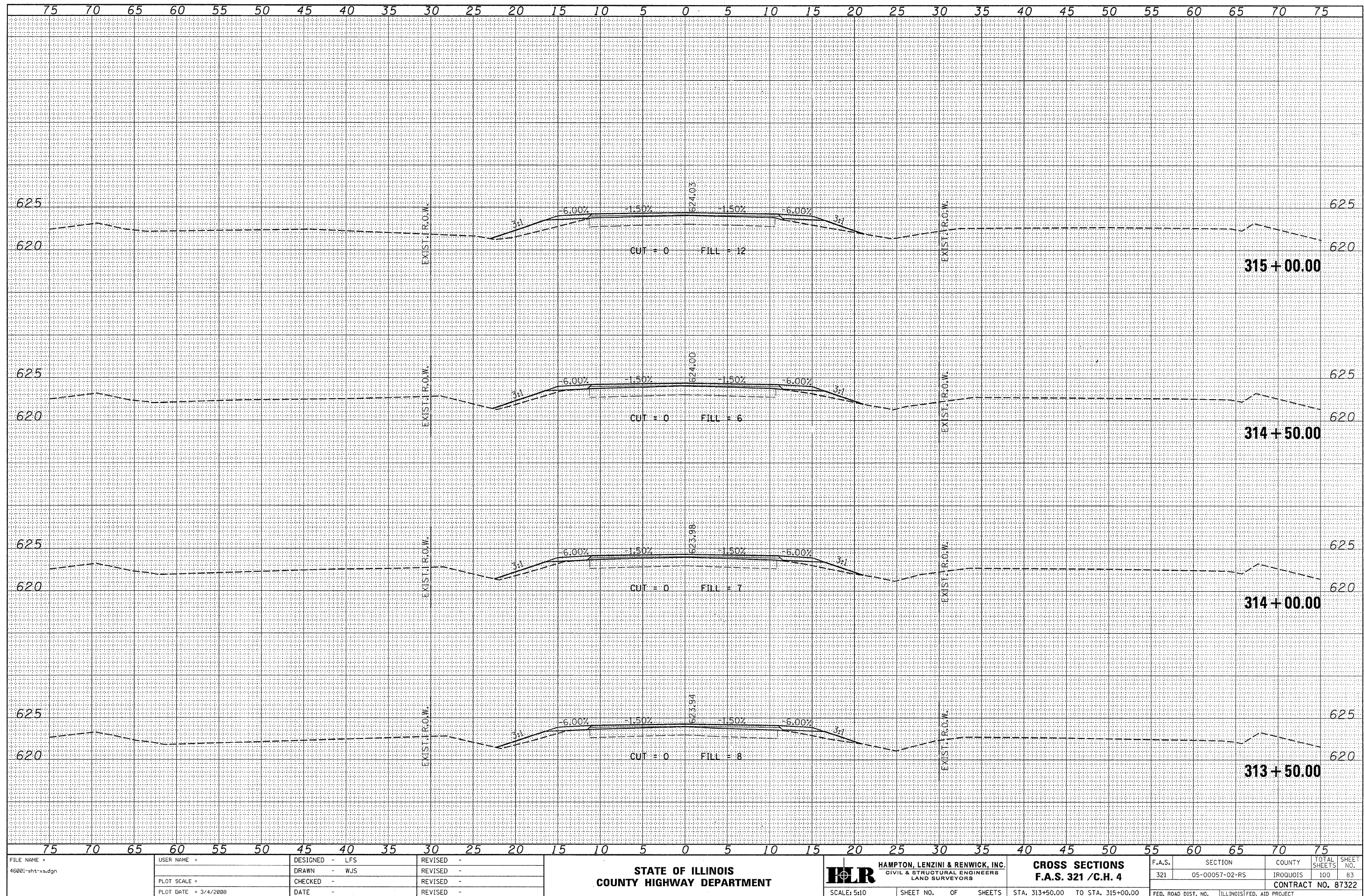


FILE NAME =	USER NAME =	DESIGNED - LFS	REVISED -	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 /C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEET NO.	
46001-sht-x.s.dgn		DRAWN - WJS	REVISED -			321	05-00057-02-RS	IRROUOIS	100	80
	PLOT SCALE =	CHECKED -	REVISED -			CONTRACT NO. 87322				
	PLOT DATE = 3/4/2008	DATE -	REVISED -							
				SCALE: 5:10	SHEET NO. OF SHEETS	STA. 308+00.00 TO STA. 309+50.00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

ORIGINAL			
SURVEY	SURVED		
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NO.			
		BY	DATE

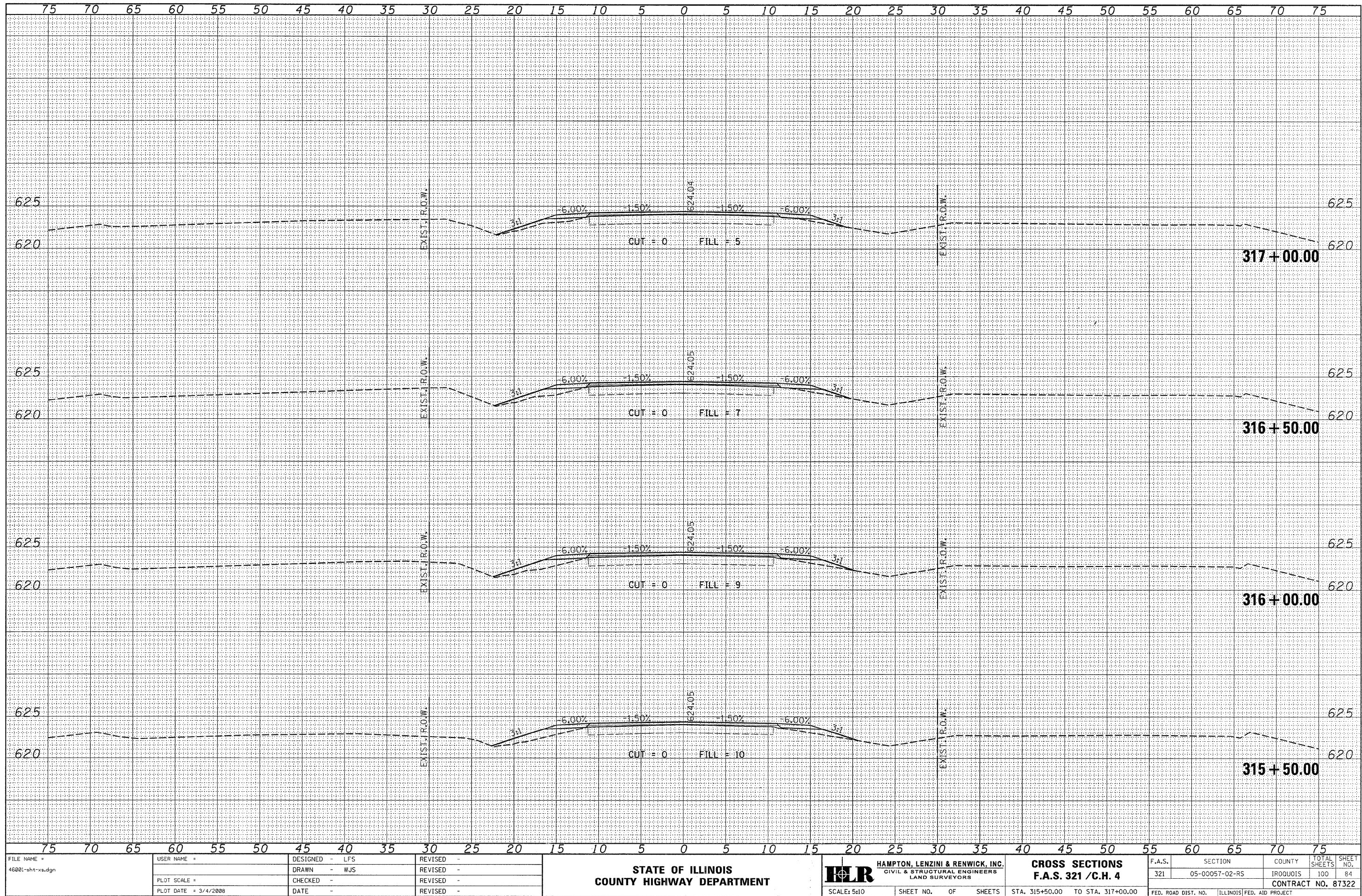


ORIGINAL					
SURVEY	SURVED		BY		DATE
	PLOTTED				
	TEMPLATE				
	AREAS				
	CHECKED				
NO.					



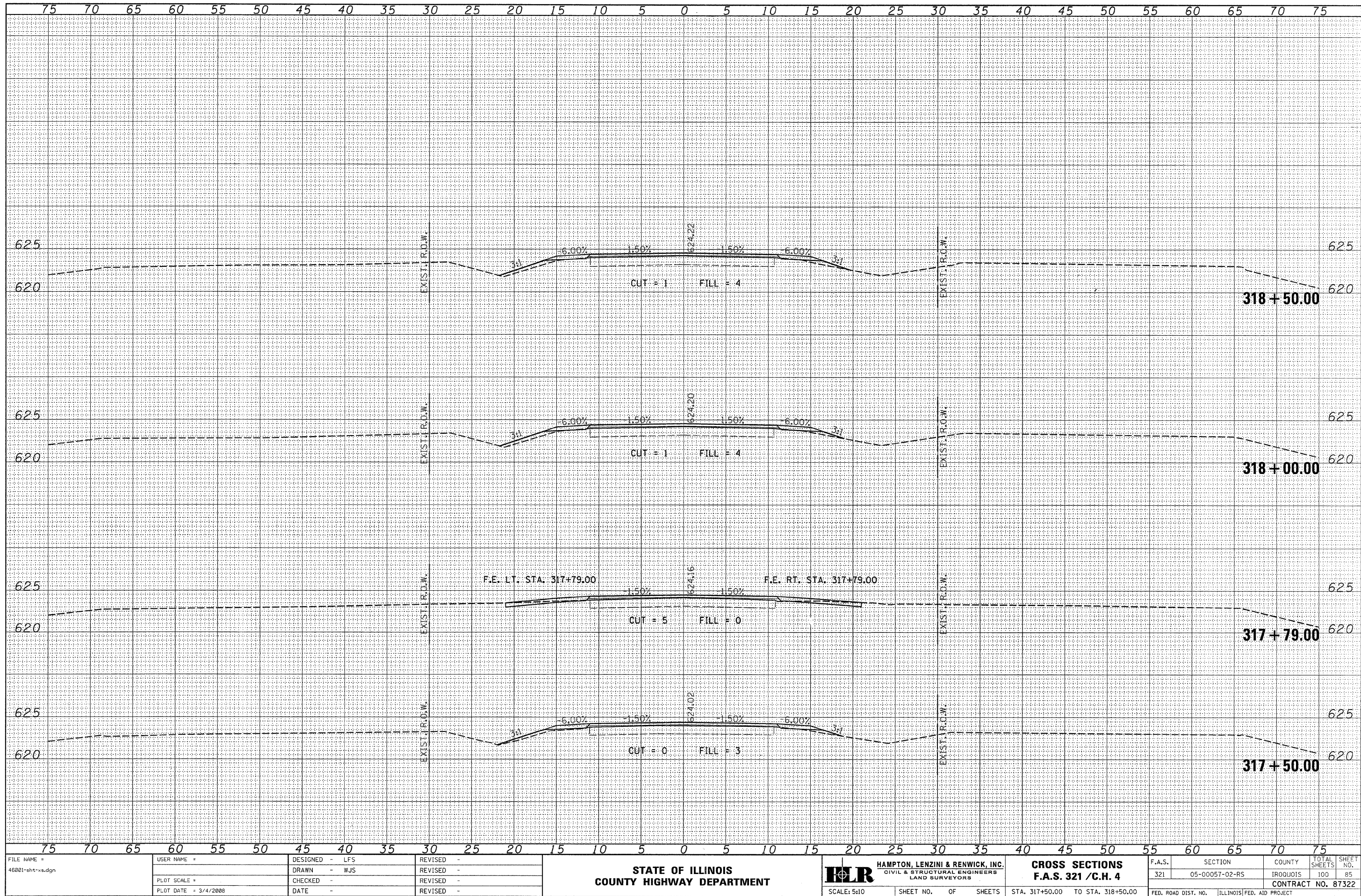
DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NO.
		NOTE BOOK				
		AREAS CHECKED				

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



FINAL	DATE
SURVEY	BY
NOTED	
BOOK	
NO.	

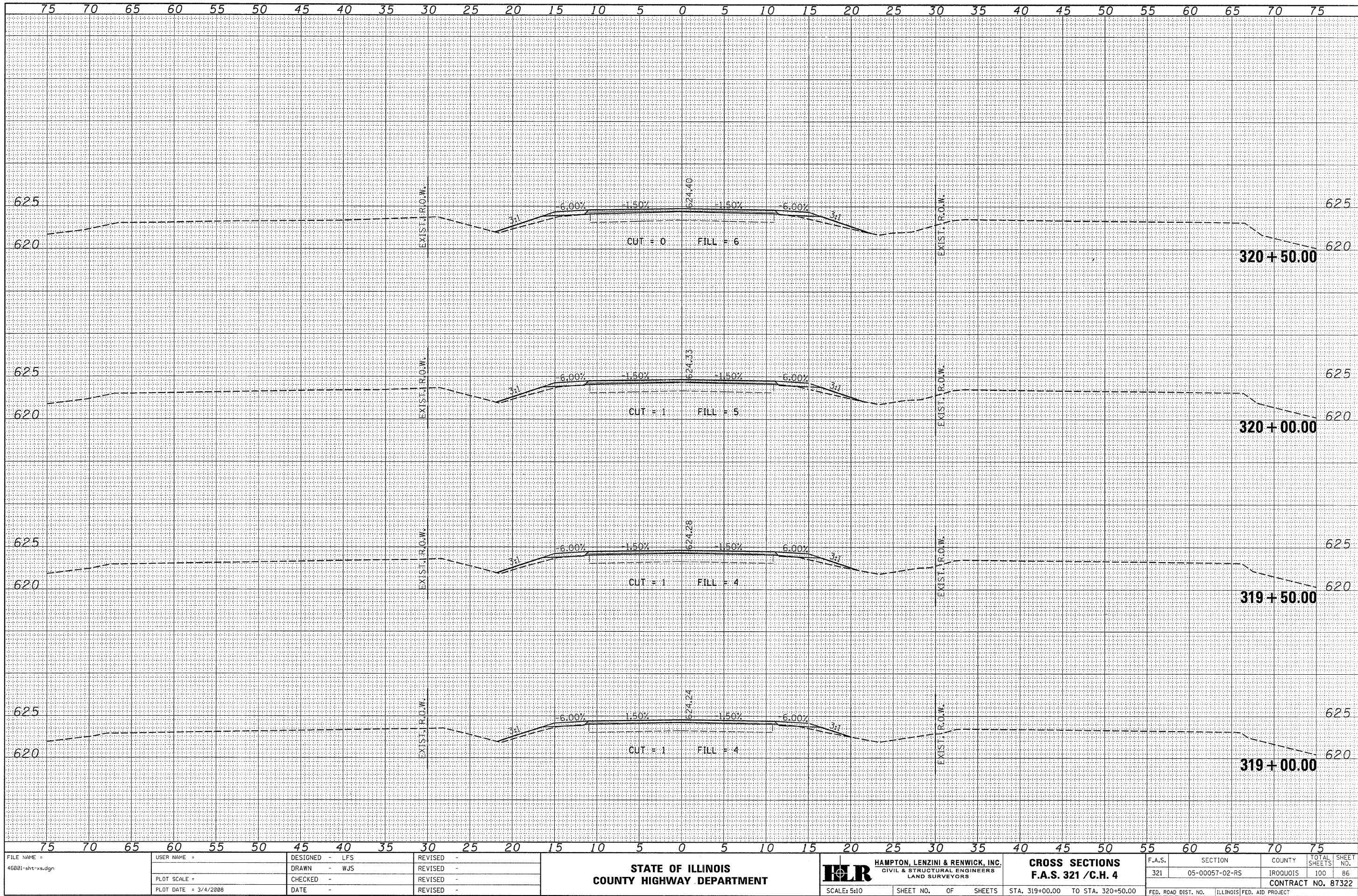
ORIGINAL	DATE
SURVEY	BY
NOTED	
BOOK	
NO.	



FILE NAME = 46801-shr-x.s.dgn	USER NAME =	DESIGNED - LFS	REVISED -	STATE OF ILLINOIS COUNTY HIGHWAY DEPARTMENT	 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS F.A.S. 321 /C.H. 4	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - WJS	REVISED -				321	05-00057-02-RS	IROQUOIS	100	85
	PLOT SCALE =	CHECKED -	REVISED -				CONTRACT NO. 87322				
	PLOT DATE = 3/4/2008	DATE -	REVISED -								
				SCALE: 5:10	SHEET NO. OF SHEETS	STA. 317+50.00 TO STA. 318+50.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

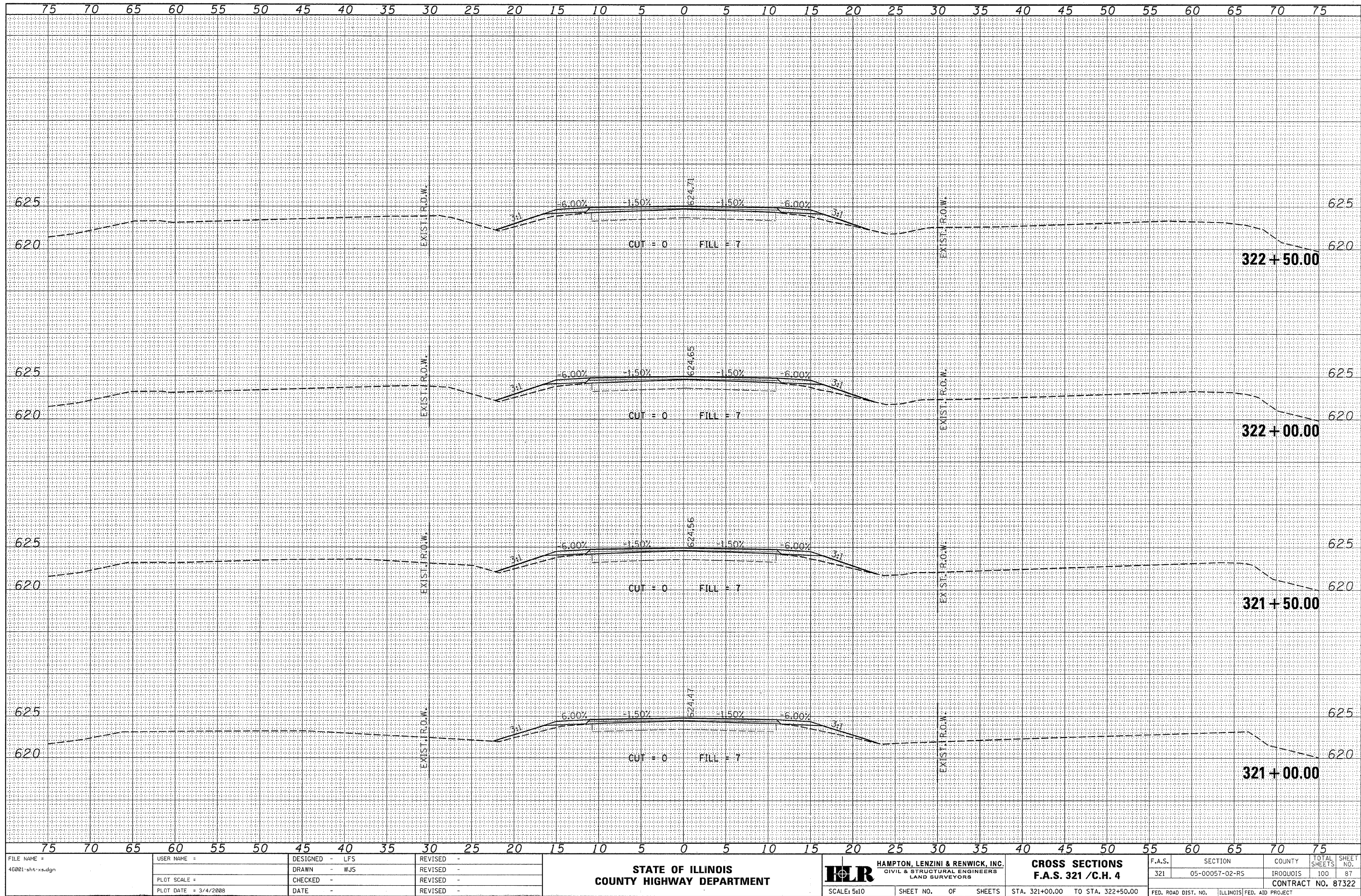
FINAL SURVEY	BY	DATE
NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	

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



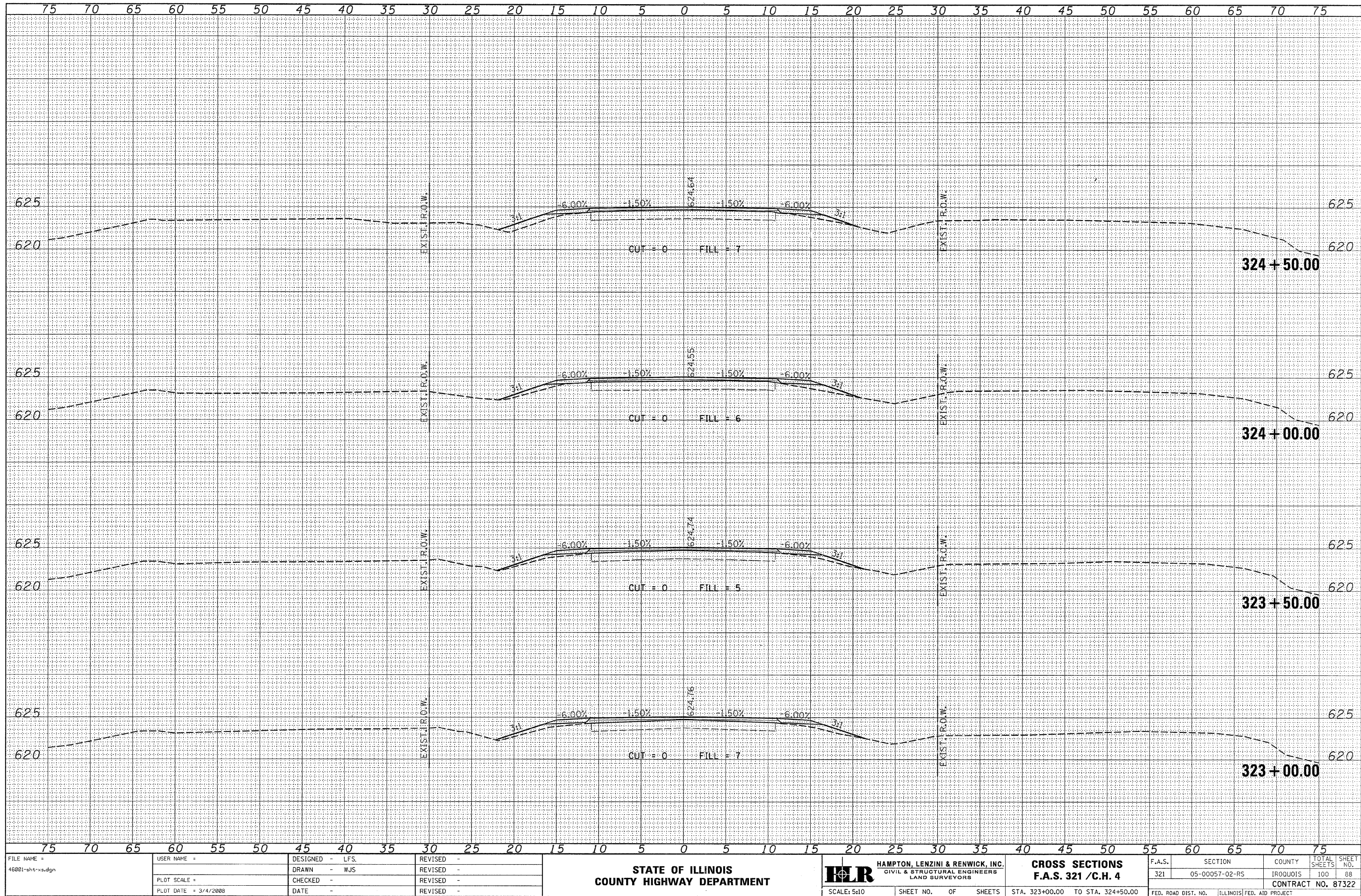
DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED

DATE	BY	ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED



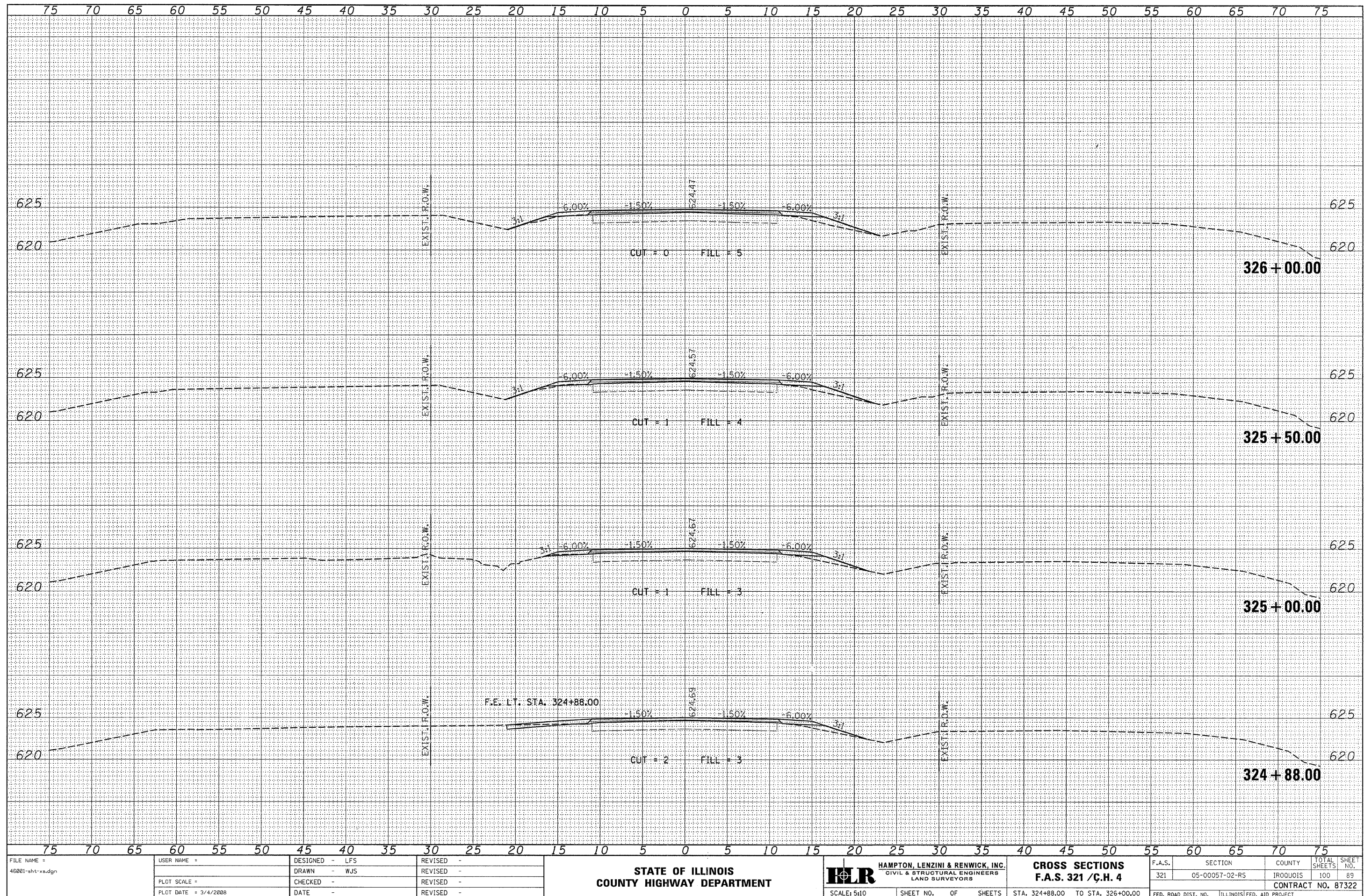
DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED

DATE	BY	ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED



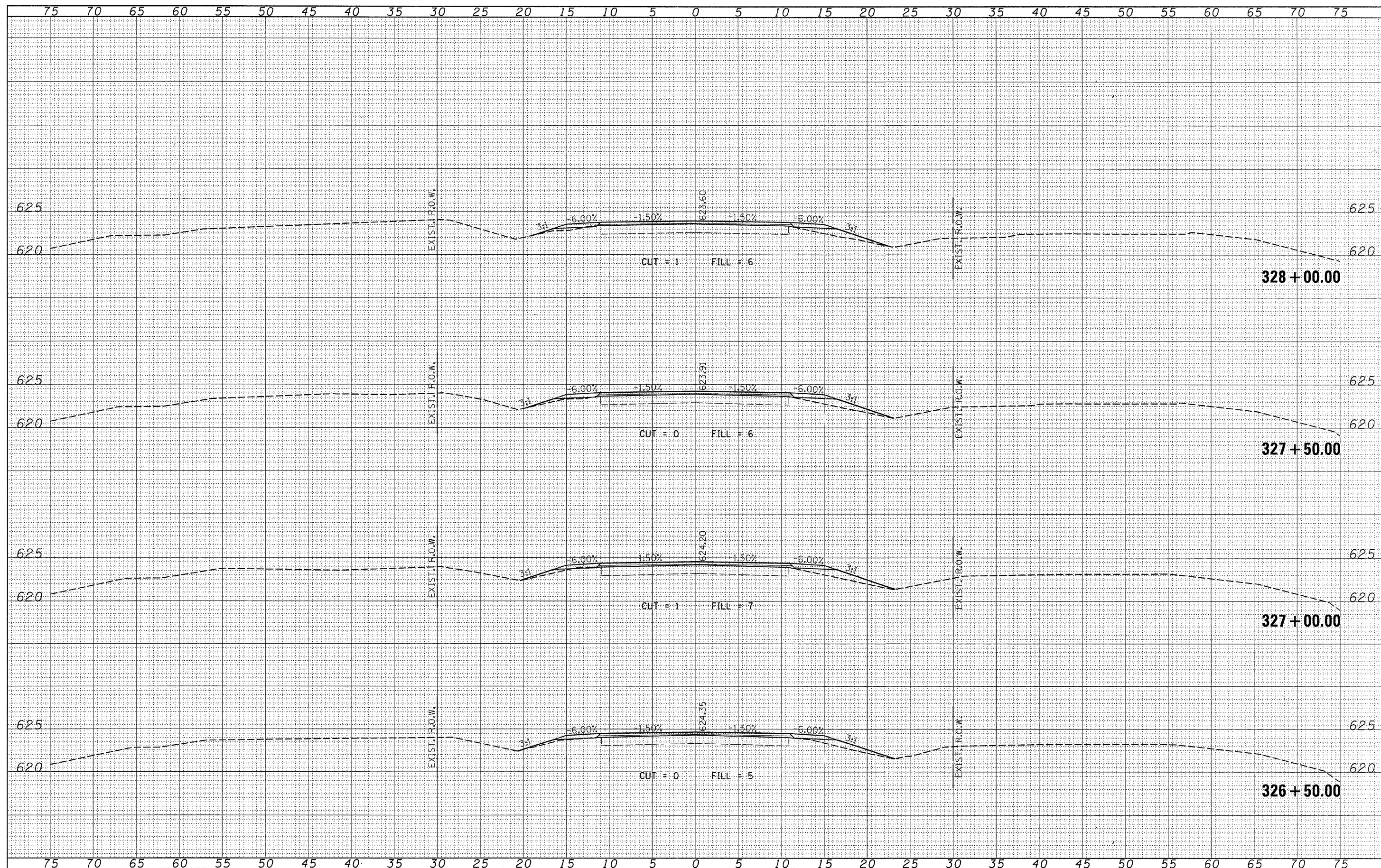
FINAL SURVEY	SURVED	BY	DATE
	PLOTTED		
	TEMPLATE		
	AREAS		
	AREAS CHECKED		
NOTE BOOK			
NO.			

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



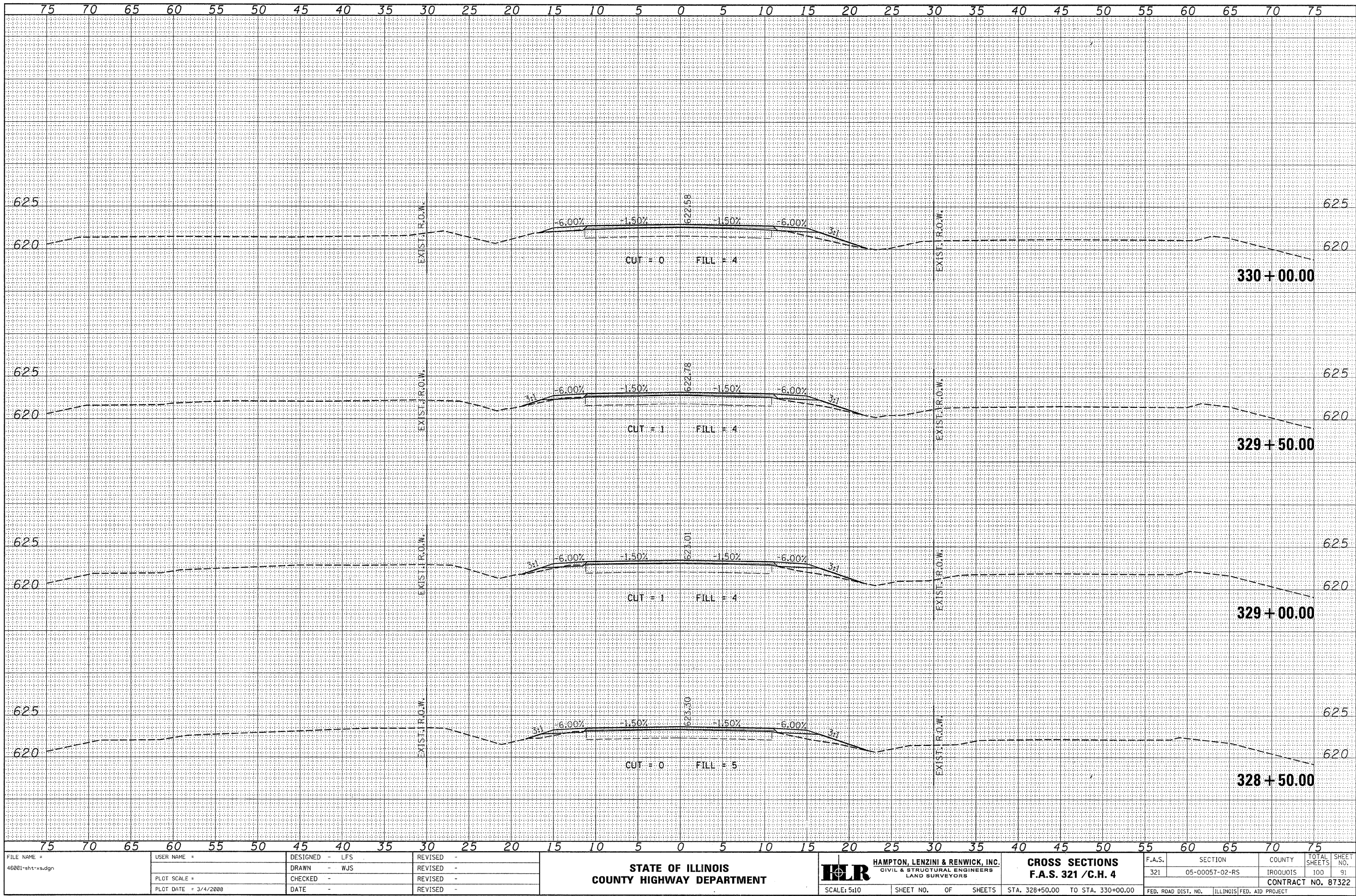
FINAL SURVEY	SURVED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

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



FINAL SURVEY	BY	DATE
	SURVEYED	
	FLATTED	
	TEMPLATE	
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
	SURVEYED	
	FLATTED	
	TEMPLATE	
NOTE BOOK		
NO.		



FILE NAME =
46801-sht-xs.dgn

USER NAME =
PLOT SCALE =
PLOT DATE = 3/4/2008

DESIGNED - LFS
DRAWN - WJS
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
COUNTY HIGHWAY DEPARTMENT

HLR HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
SCALE: 5:10 SHEET NO. OF SHEETS

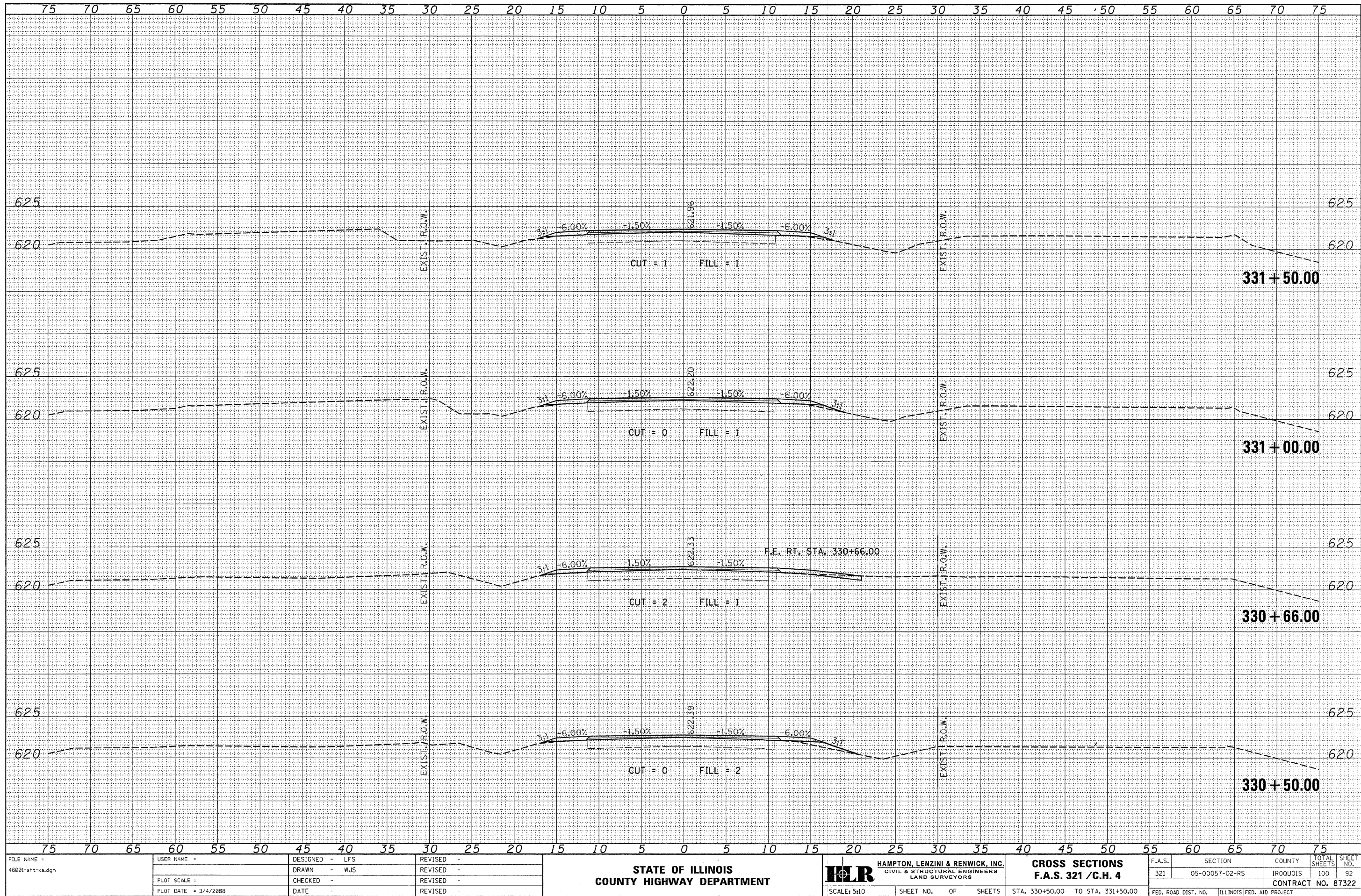
CROSS SECTIONS
F.A.S. 321 / C.H. 4

STA. 328+50.00 TO STA. 330+00.00

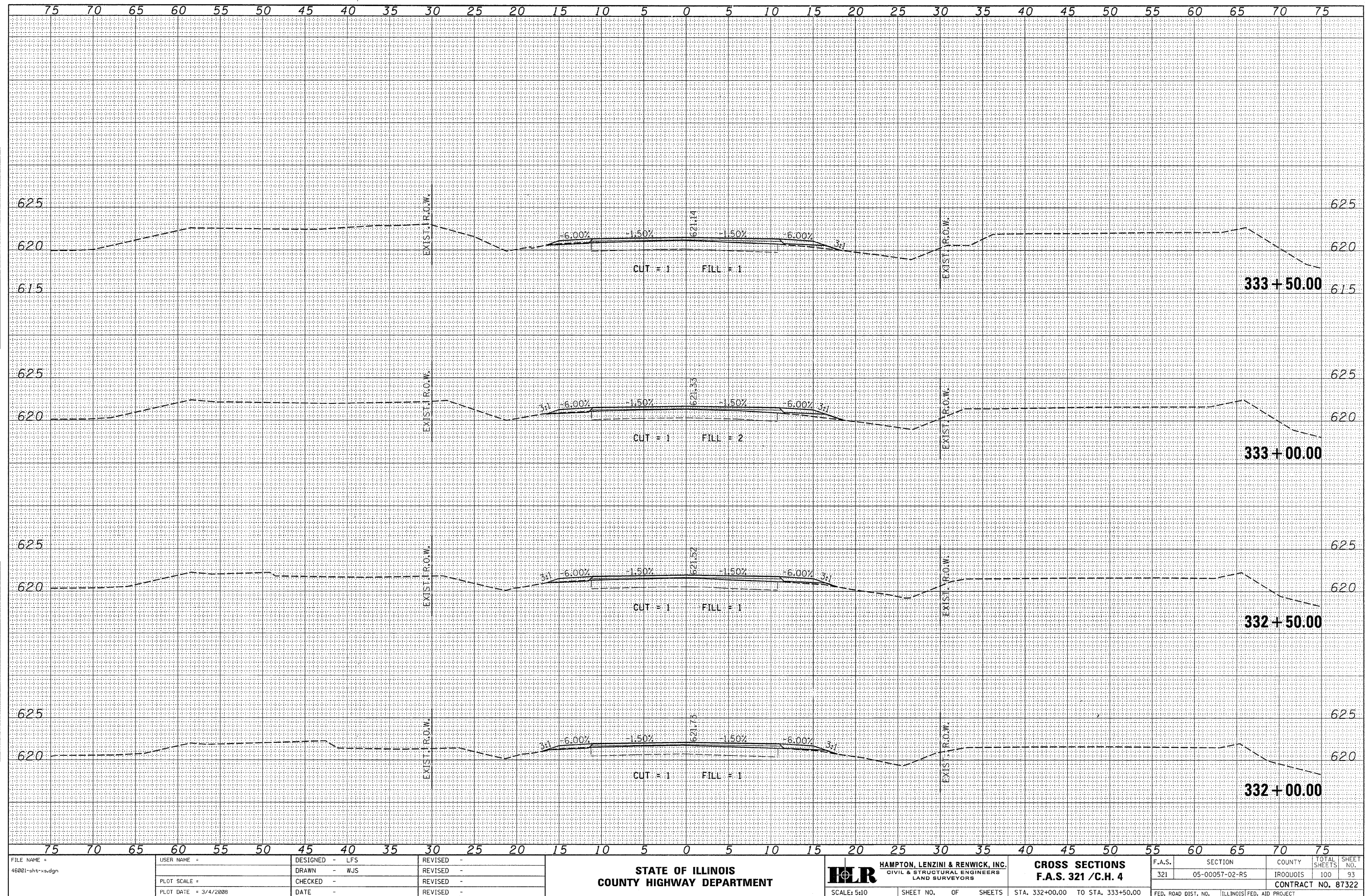
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	05-00057-02-RS	IROQUOIS	100	91
CONTRACT NO. 87322				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED

DATE	BY	ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPLATE	NOTE BOOK	AREAS CHECKED

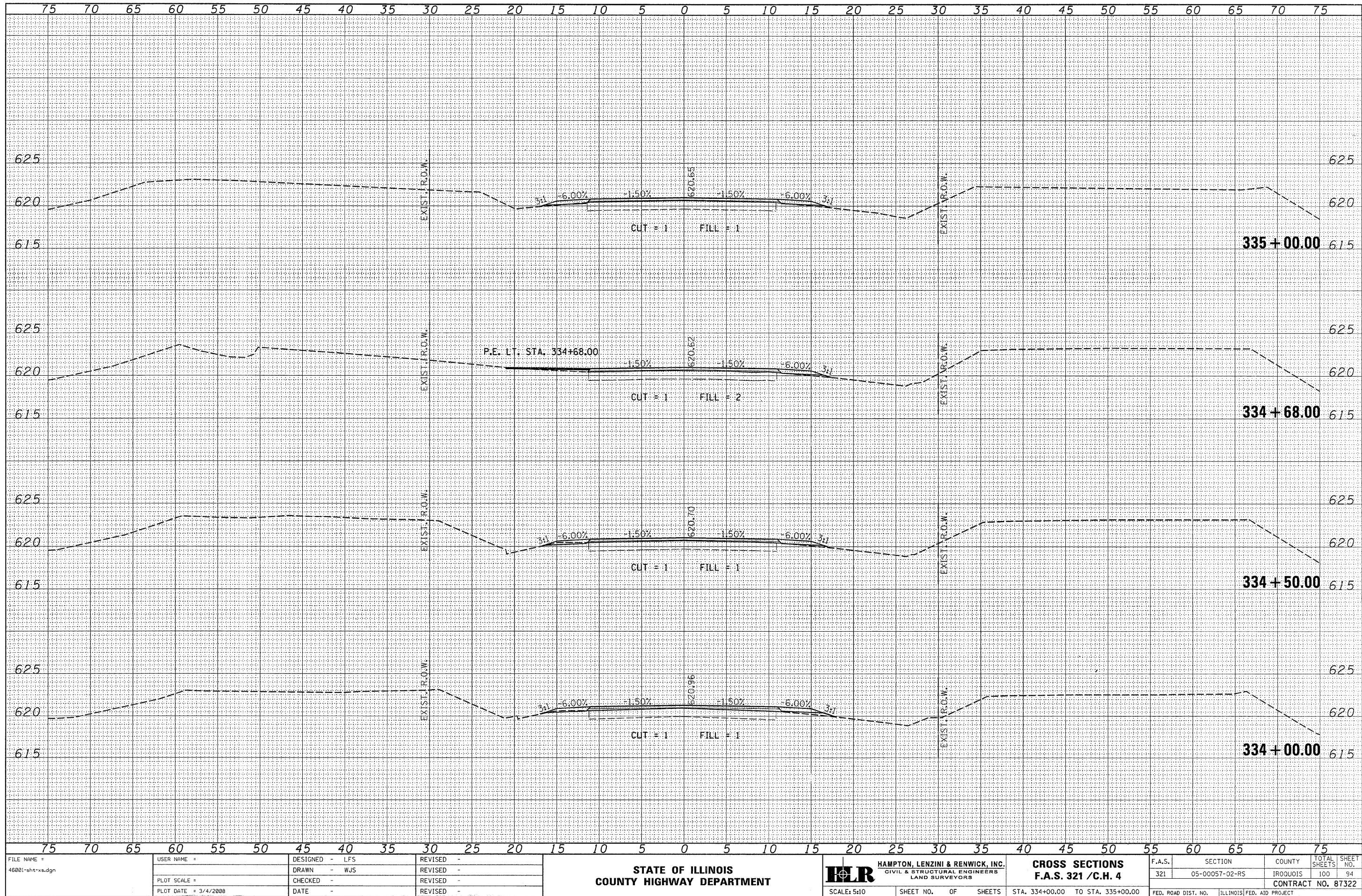


ORIGINAL					
SURVEY	SURVEYED		BY		DATE
	PLOTTED				
NOTE BOOK	TEMPLATE				
	AREAS				
	AREAS CHECKED				



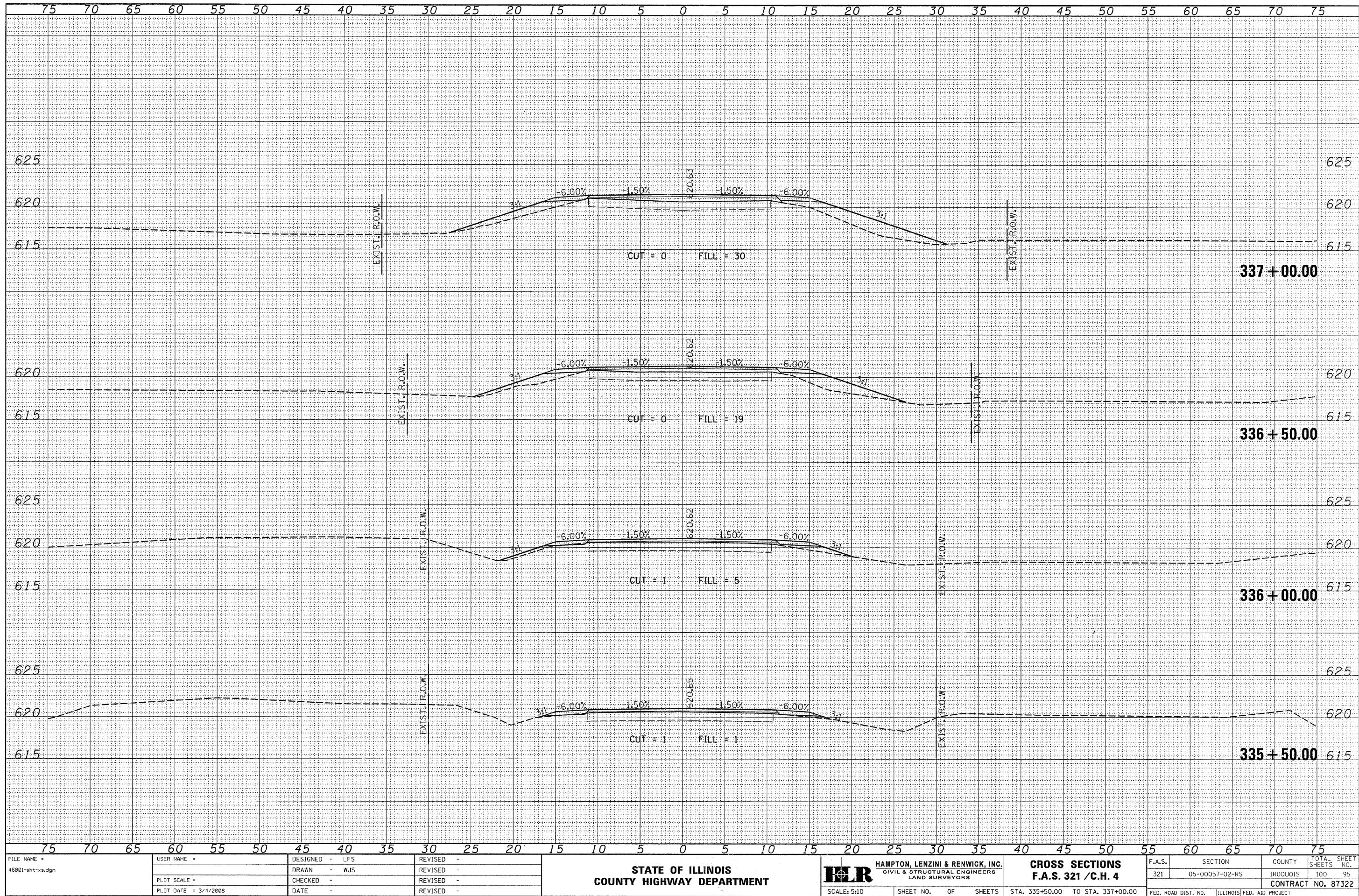
FINAL SURVEY	DATE
	BY
	SURVEYED PLOTTED TEMPLATE
	NO.

ORIGINAL SURVEY	DATE
	BY
	SURVEYED PLOTTED TEMPLATE
	NO.



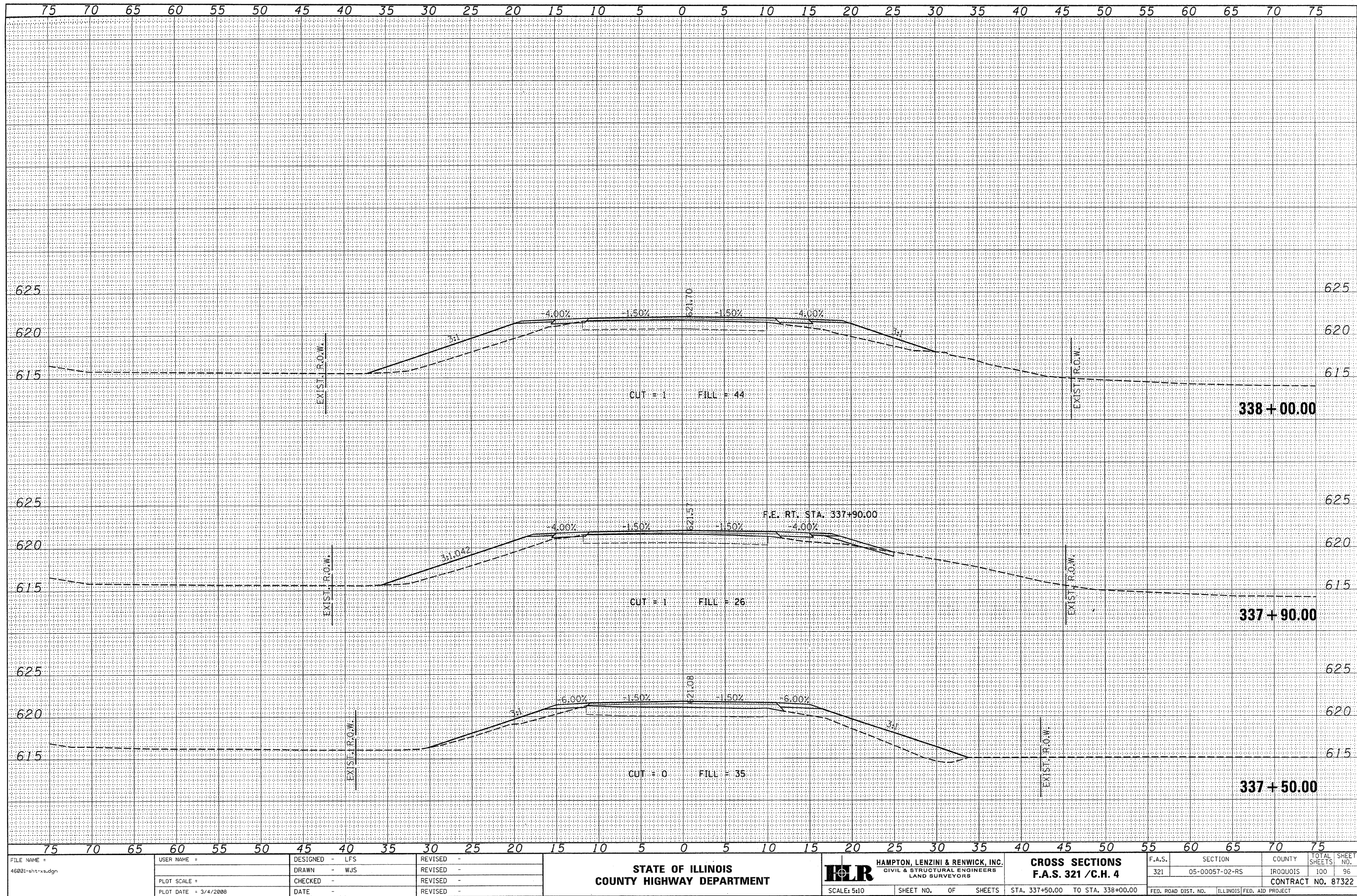
DATE	BY	SURVEYED	PLOTTED	TEMPLATE	NO.
FINAL		NOTE BOOK			

DATE	BY	SURVEYED	PLOTTED	TEMPLATE	NO.
ORIGINAL		NOTE BOOK			



FINAL	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = 468021-sh1t-x.sldgn

USER NAME =
PLOT SCALE =
PLOT DATE = 3/4/2008

DESIGNED - LFS
DRAWN - WJS
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
COUNTY HIGHWAY DEPARTMENT

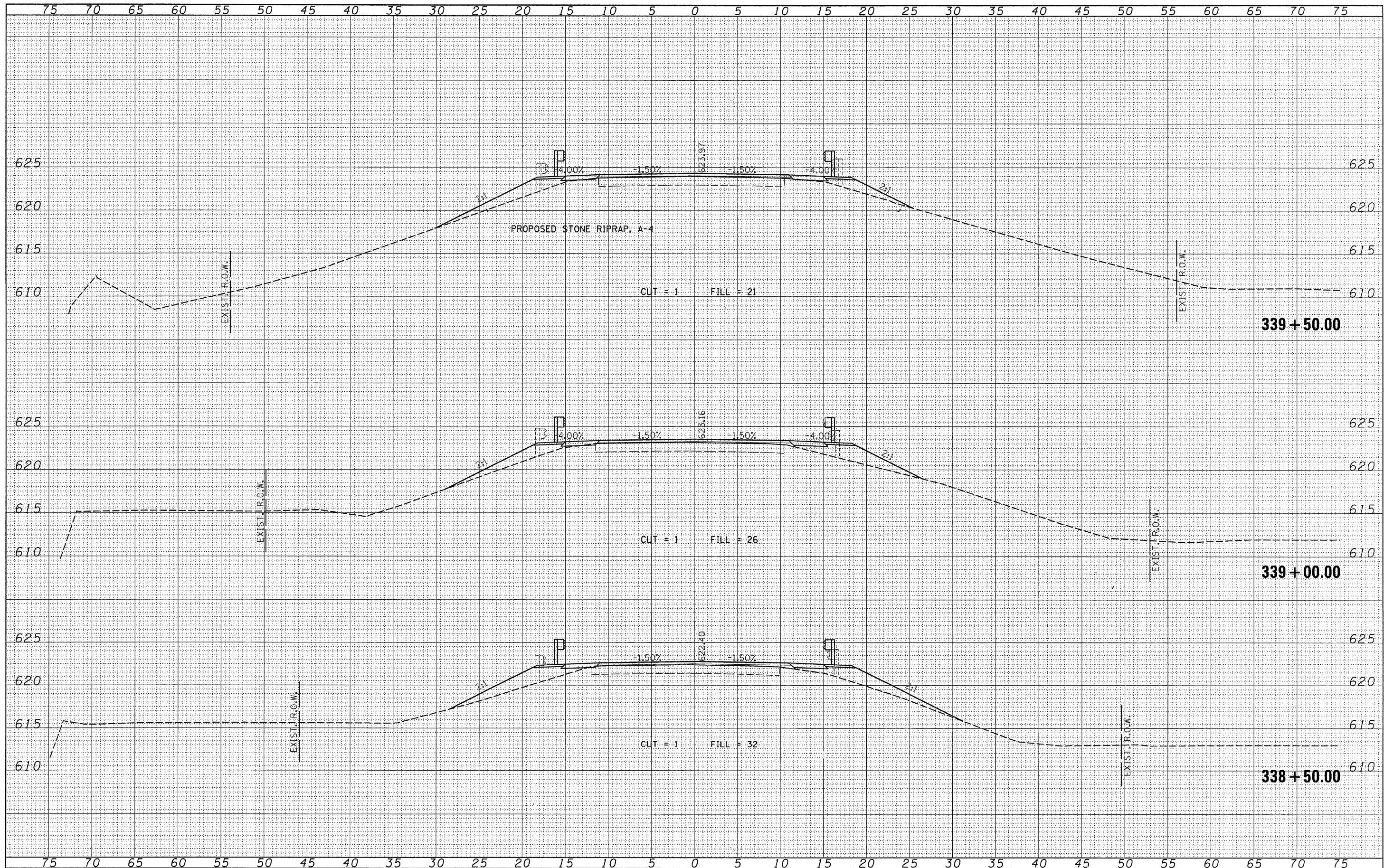
HLR HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
SCALE: 5x10 SHEET NO. OF SHEETS

CROSS SECTIONS
F.A.S. 321 / C.H. 4
STA. 337+50.00 TO STA. 338+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	05-00057-02-RS	IRROUOIS	100	96
CONTRACT NO. 87322				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL	DATE
SURVEY	BY
NOTED	BY
BOOK	NO.
AREAS CHECKED	

ORIGINAL	DATE
SURVEY	BY
NOTED	BY
BOOK	NO.
AREAS CHECKED	



FILE NAME = 46001-sht-xa.dgn	USER NAME =	DESIGNED - LFS	REVISED -	HLR HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS	CROSS SECTIONS		F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - WJS	REVISED -		F.A.S. 321 / C.H. 4		321	05-00057-02-RS	ILLINOIS	100	97
PLOT SCALE =		CHECKED -	REVISED -				CONTRACT NO. 87322				
PLOT DATE = 3/4/2008		DATE -	REVISED -		SCALE: 5:10		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
COUNTY HIGHWAY DEPARTMENT

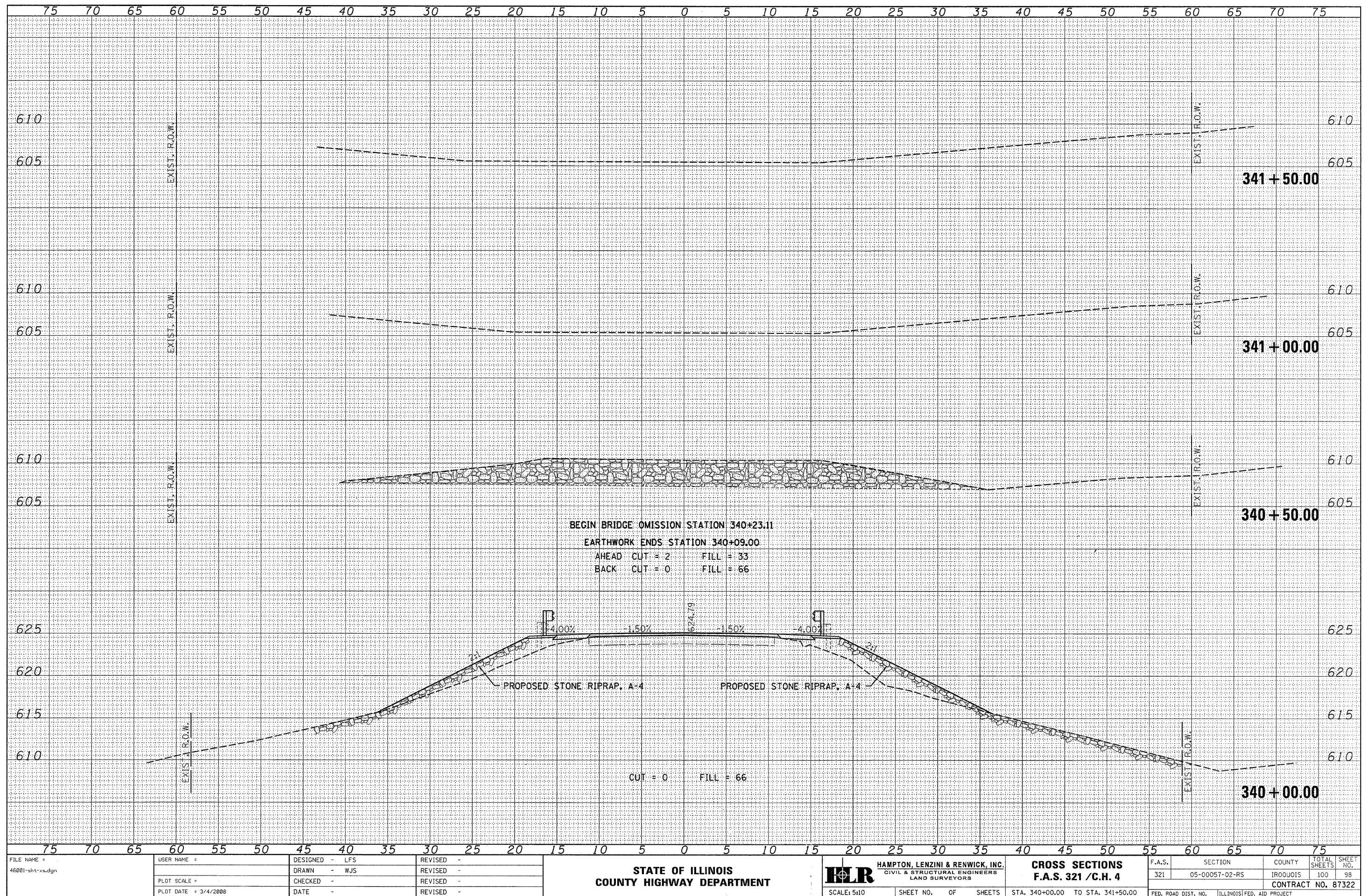


HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

CROSS SECTIONS
F.A.S. 321 / C.H. 4

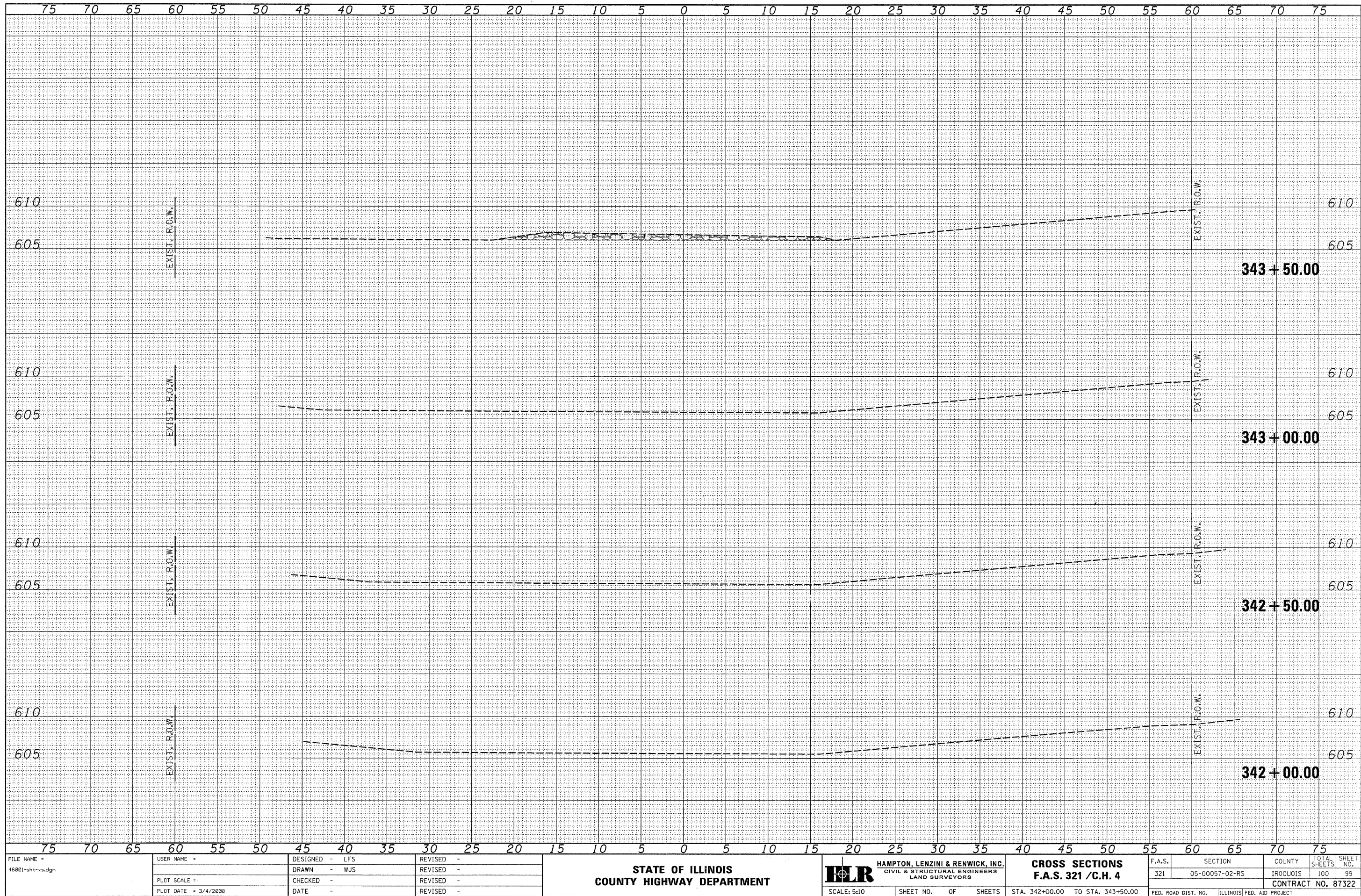
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
321	05-00057-02-RS	ILLINOIS	100	97
CONTRACT NO. 87322				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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



FINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	



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

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

