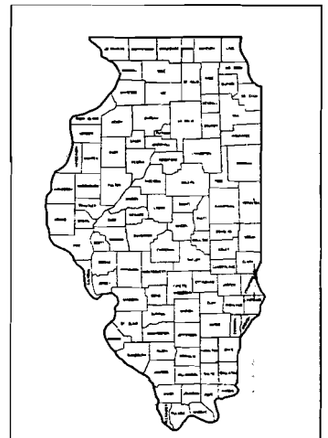
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 511	05-07129-00-AS	FAYETTE	3	1
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED GRADE CROSSING PROTECTION PROGRAM

SCALES: PROFILE HORIZ. 0' 20' 40' CROSS SECTIONS HORIZ. 0' 10' 20'
PROFILE VERT. 0' 2' 4' CROSS SECTIONS VERT. 0' 5' 10'

SECTION 05-07129-00-AS
LONE GROVE ROAD DISTRICT
FAYETTE COUNTY



LOCATION OF PROJECT INDICATED THUS ~ —

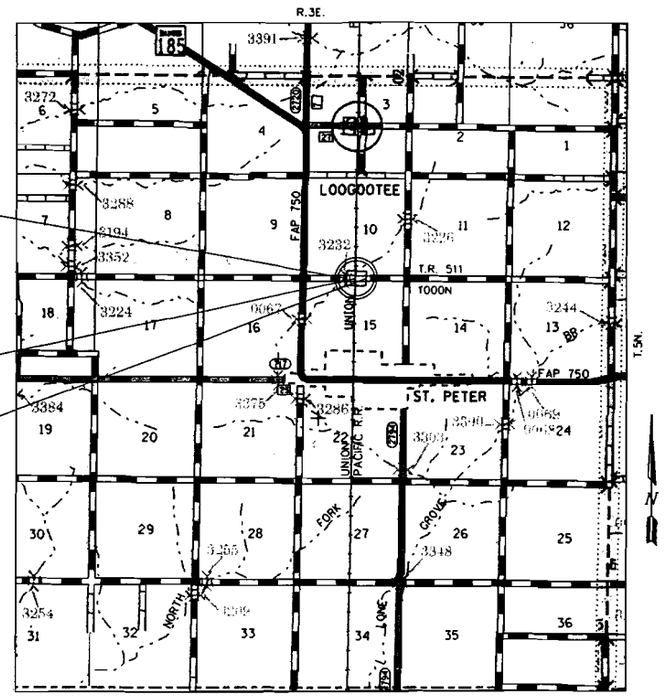
INDEX OF SHEETS

1	COVER SHEET	
2	TYPICAL CROSS SECTIONS, GENERAL NOTES, SUMMARY OF QUANTITIES AND MISC. DETAILS	
3	PLAN AND PROFILE SHEET	
4-5	CROSS SECTIONS	
	STANDARD 000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
	STANDARD 542401	METAL END SECTION FOR PIPE CULVERTS
	STANDARD 602401-01	MANHOLE, TYPE A
	STANDARD 602601-01	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
	STANDARD 280001-03	TEMPORARY EROSION CONTROL SYSTEMS
	STANDARD 604001-02	FRAME AND LIDS TYPE 1
	STANDARD 702001-06	TRAFFIC CONTROL DEVICES
	STANDARD B.L.R. 21-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

BEGIN SECTION 05-07129-00-AS
STA. 47+50

STA. 50+00 –
UNION PACIFIC RAILROAD

END SECTION 05-07129-00-AS
STA. 52+30



LOCATION MAP

APPROXIMATE SCALE – 1" = 0.59 MILES
NET LENGTH OF IMPROVEMENTS = 480.00 FOOT = 0.091 MILE

APPROVED _____, 20___.
COUNTY ENGINEER

PASSED _____, 20___.
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review _____, 20___.
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

48 HOURS PRIOR TO EXCAVATION CALL J.U.L.I.E.: 1-800-892-0123

CLASS ROAD: RURAL LOCAL ROAD
A.D.T. = 100
DESIGN SPEED = 30 M.P.H.

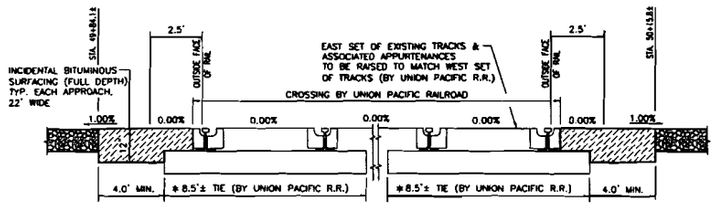
STS CONSULTANTS
7524 South Broadway, P.O. Box 850
Salem, Illinois 62881
PH(618)548-3500
FAX(618)548-3246
IL Design Firm Registration No. 184-001518

STS JOB NO. 30461

DATE: MAY 10, 2007

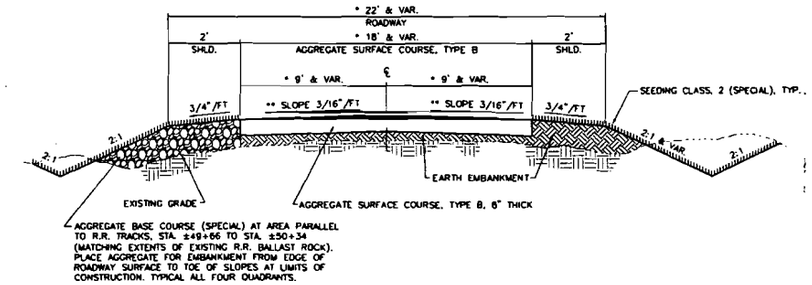
Exhibit B, sheet 1

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 511	05-07129-00-AS	FAYETTE	5	2
FED. ROAD DIST. NO.		ILLINOIS	PROJECT	



* DIMENSIONS ARE MEASURED PERPENDICULAR TO TRACKS

PROFILE-UNION PACIFIC R.R. CROSSING



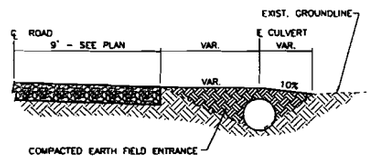
TYPICAL CROWNED CROSS-SECTION (ROAD IMPROVEMENTS)

STA. 47+00 TO STA. 49+84.1±
STA. 50+15.8± TO STA. 52+80

* TRANSITION FROM 13.4' EXISTING TO 18' PROPOSED, STA. 47+00 TO STA. 47+50

* TRANSITION FROM 18' PROPOSED TO 14.0' EXISTING, STA. 52+30 TO STA. 52+80

** SEE PLAN & PROFILE SHEET FOR CROSS SLOPE TRANSITION NEAR RAILROAD TRACKS.



TYPICAL FIELD ENTRANCE DETAILS

RT. STA. 47+76 NOTE: 2:1 OR FLATTER SIDESLOPES

SUMMARY OF QUANTITIES

ITEM	QUANTITY	UNIT
EARTH EXCAVATION	179	CU. YD.
FURNISHED EXCAVATION	1151	CU. YD.
SEEDING, CLASS 2 (SPECIAL)	0.40	ACRE
TEMPORARY DITCH CHECKS	5	EACH
STONE DUMPED RIPRAP, CLASS A4	10	TON
AGGREGATE SURFACE COURSE, TYPE B	495	TON
AGGREGATE BASE COURSE (SPECIAL)	60	TON
INCIDENTAL BITUMINOUS SURFACING	18	TON
PAVEMENT REMOVAL	28	SQ. YDS.
PIPE CULVERT REMOVAL	41	FOOT
PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 48"	40	FOOT
RAILROAD PROTECTIVE LIABILITY INSURANCE	1	L. SUM

GENERAL NOTES

1. THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE SPECIAL PROVISIONS AND THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007.
2. IF 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 MARKERS AND MONUMENTS UNTIL OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
3. THE SHRINKAGE FACTOR FOR EMBANKMENT IS 25%.
4. ALL CLEARING AND GRUBBING IS TO BE INCLUDED IN THE UNIT PRICE BID FOR EARTH EXCAVATION.
5. BITUMINOUS SURFACE TREATMENT (A-2) WILL BE COMPLETED BY THE OWNER.

PRELIMINARY
NOT FOR CONSTRUCTION

Exhibit B, sheet 2

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T.R. 511 SECTION 05-07129-00-AS
LONE GROVE ROAD DISTRICT
FAYETTE COUNTY, ILLINOIS

TYPICAL CROSS SECTIONS, GENERAL NOTES, SUMMARY OF QUANTITIES AND MISC. DETAILS

SURVEY	CHECKED	DATE
JAS		5/10/07
DESIGN MRQ	APPROVED	REVISED
DRAWN BLT		JOB NO. 30481

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 511	05-07129-00-AS	FAYETTE	9	3
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

LEGEND

- EXISTING SIGN
- S.B. EXISTING ELECTRIC SWITCH BOX
- EXISTING RIGHT OF WAY
- EXISTING BENCH MARK
- I.P. EXISTING IRON PIN
- R.R. SPIKE EXISTING RAILROAD SPIKE
- EXISTING SURFACE DRAINAGE
- EXISTING RAILROAD TRACKS
- NEW END SECTION
- 591.16 NEW SPOT ELEVATION
- NEW INCIDENTAL BIT. SURFACING
- OR NEW TEMPORARY DITCH CHECK

BENCH MARK INFORMATION

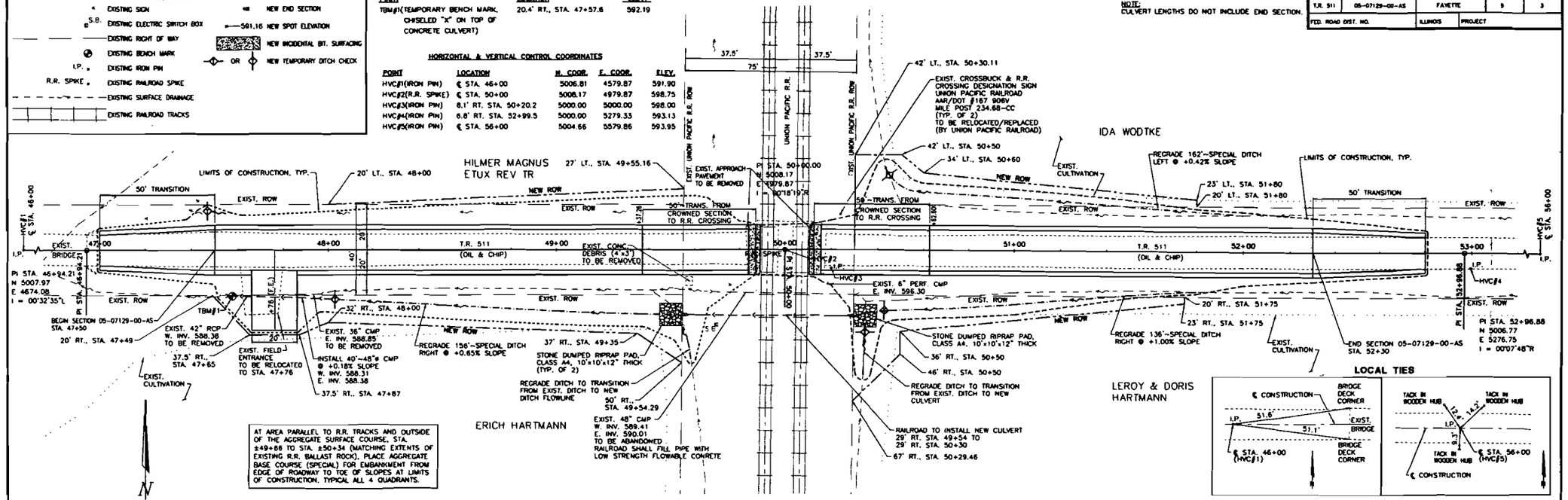
POINT	LOCATION	ELEV.
TBM#1(TEMPORARY BENCH MARK, CHISELED "X" ON TOP OF CONCRETE CULVERT)	20.4' RT., STA. 47+57.6	592.19

HORIZONTAL & VERTICAL CONTROL COORDINATES

POINT	LOCATION	N. COOR.	E. COOR.	ELEV.
HVC#1(IRON PIN)	℄ STA. 46+00	5006.81	4579.87	591.90
HVC#2(R.R. SPIKE)	℄ STA. 50+00	5008.17	4979.87	598.75
HVC#3(IRON PIN)	8.1' RT. STA. 50+20.2	5000.00	5000.00	598.00
HVC#4(IRON PIN)	6.8' RT. STA. 52+99.5	5000.00	5279.33	593.13
HVC#5(IRON PIN)	℄ STA. 56+00	5004.66	5579.86	593.95

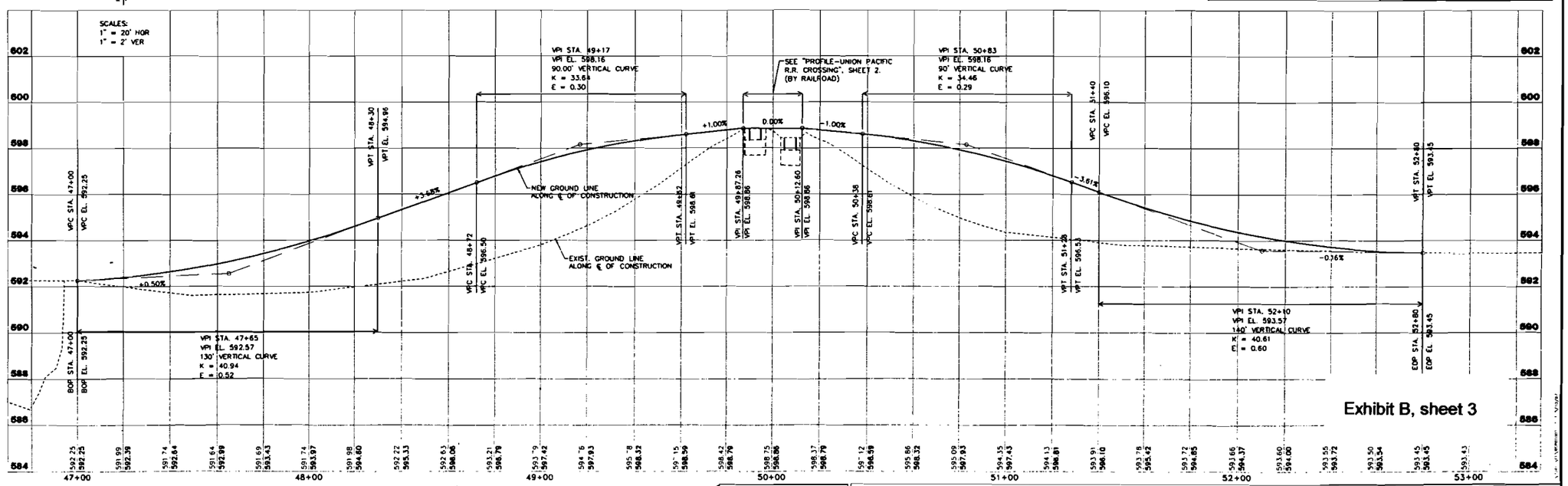
CONSTRUCT SEEDING CLASS 2 (SPECIAL)
STA. 47+00 TO STA. 52+80 = X.XX ACRE

NOTE:
CULVERT LENGTHS DO NOT INCLUDE END SECTION.



AT AREA PARALLEL TO R.R. TRACKS AND OUTSIDE OF THE AGGREGATE SURFACE COURSE, STA. ±49+86 TO STA. ±50+34 (MATCHING EXTENTS OF EXISTING R.R. BALLAST ROCK), PLACE AGGREGATE BASE COURSE (SPECIAL) FOR EMBANKMENT FROM EDGE OF ROADWAY TO TOE OF SLOPES AT LIMITS OF CONSTRUCTION. TYPICAL ALL 4 QUADRANTS.

LOCAL TIES



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T.R. 511 SECTION 05-07129-00-AS
LONE GROVE ROAD DISTRICT
FAYETTE COUNTY, ILLINOIS

PLAN AND PROFILE
STA. 47+00 TO STA. 53+00

SURVEY	CHECKED	DATE
JAS		5/10/07
DESIGN	APPROVED	REVISED
MRO		
DRAWN		JOB NO.
BLT		30461

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 511	05-07129-00-AS	FAYETTE	5	4
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

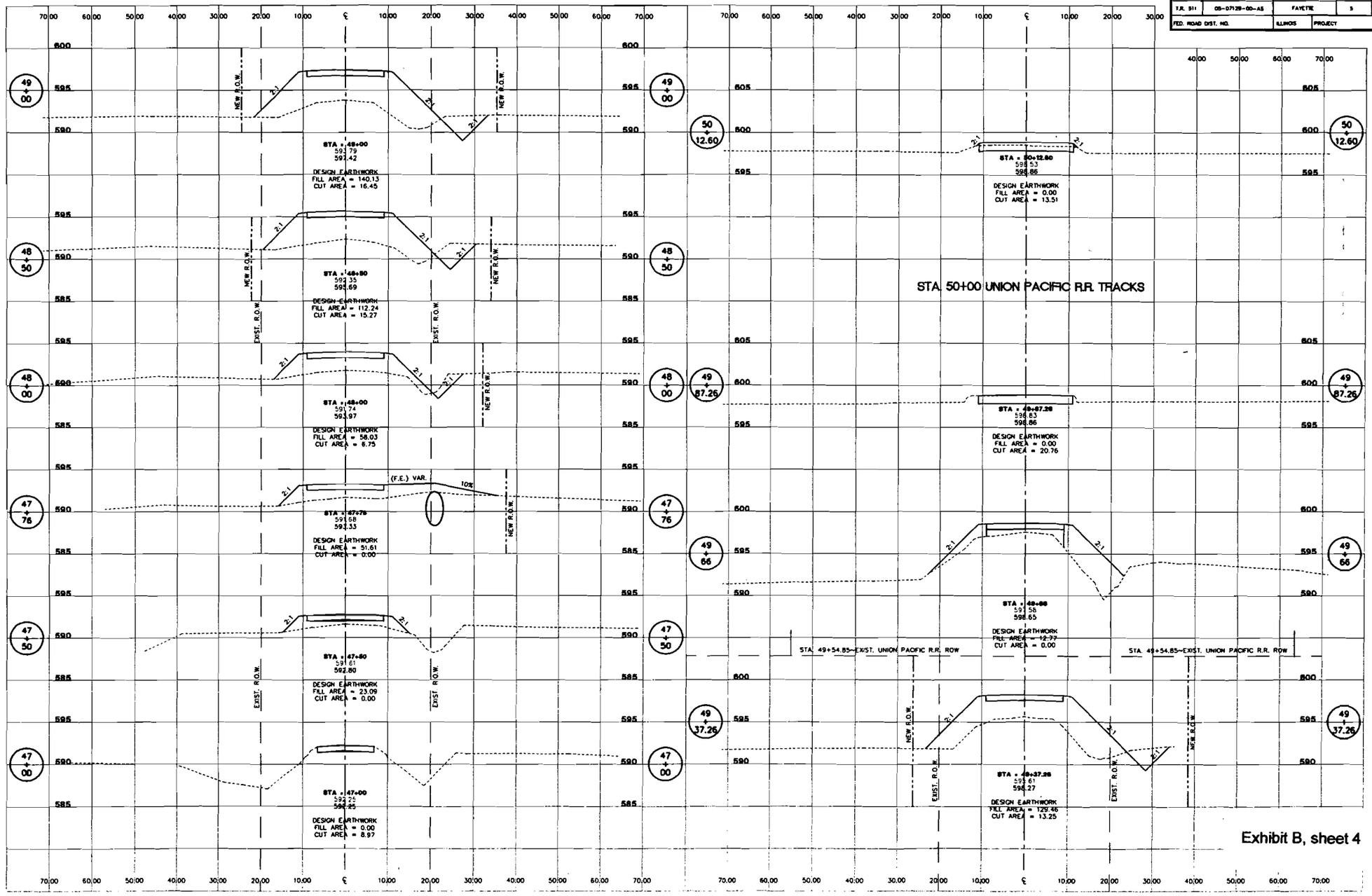

Exhibit B, sheet 4

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T.R. 511 SECTION 05-07129-00-AS
LONE GROVE ROAD DISTRICT
FAYETTE COUNTY, ILLINOIS

CROSS SECTIONS
STA. 47+00 TO STA. 50+12.60

SURVEY JAS	CHECKED	DATE 5/10/07	
DESIGN MRO	APPROVED	REVISED	
DRAWN BLT/JSD		JOB NO. 30481	

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 511	05-07129-00-AS	FAYETTE	5	5
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

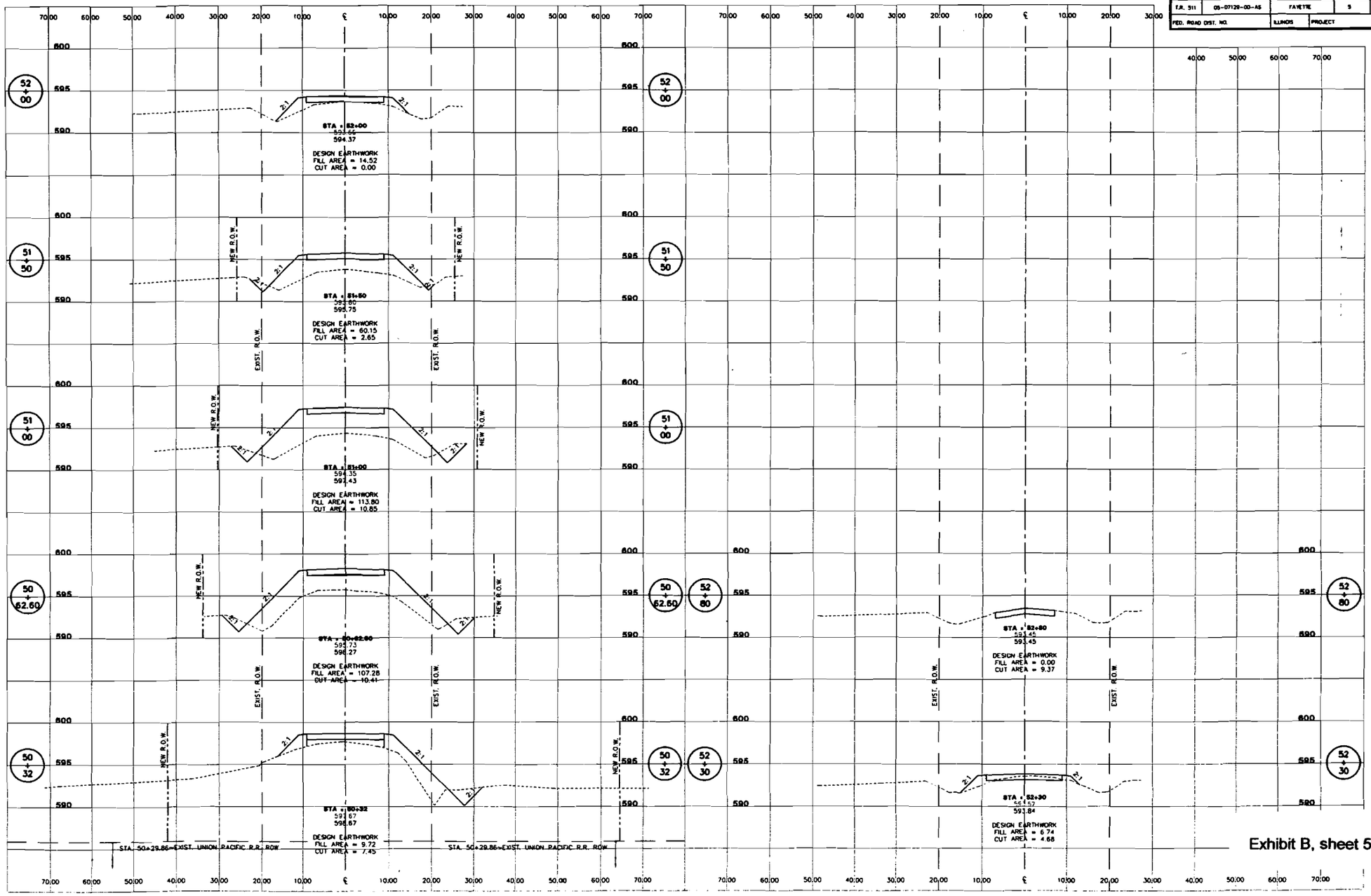

Exhibit B, sheet 5

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T.R. 511 SECTION 05-07129-00-AS
LONE GROVE ROAD DISTRICT
FAYETTE COUNTY, ILLINOIS

CROSS SECTIONS
STA. 50+32 TO STA. 52+80

SURVEY JAS	CHECKED	DATE 5/10/07	
DESIGN MRQ	APPROVED	REVISED	
DRAWN BLT/JSD		JOB NO. 30481	