STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED PLANS FOR
GRADE CROSSING PROTECTION FUND

TR 332A (HEATHER LANE)
SECTION 14–11132–00–AS
STANFORD ROAD DISTRICT
CLAY COUNTY
I.C.C. CASE NUMBER: T14–0047
I.C.C. STIPULATED AGREEMENT NUMBER: 1770

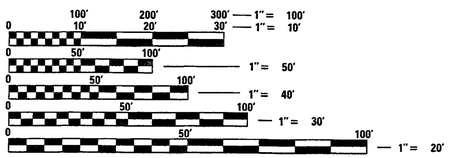
INDEX OF SHEETS

1. COVER SHEET
2. SUMMARY OF QUANTITIES, GENERAL NOTES AND TYPICAL SECTIONS
3. PLAN AND PROFILE OF ROADWAY
4.-5. CROSS SECTIONS OF ROADWAY

STANDARDS ARE INCLUDED IN CONTRACT PROPOSAL

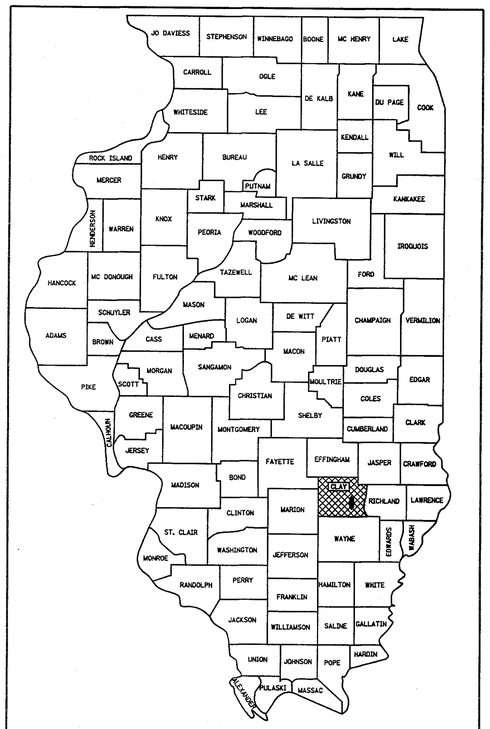
000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701901-04 TRAFFIC CONTROL DEVICES
BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

DESIGN CLASSIFICATION: RURAL LOCAL ROAD
ADT_{2008} : 50
DESIGN SPEED: 25 MPH

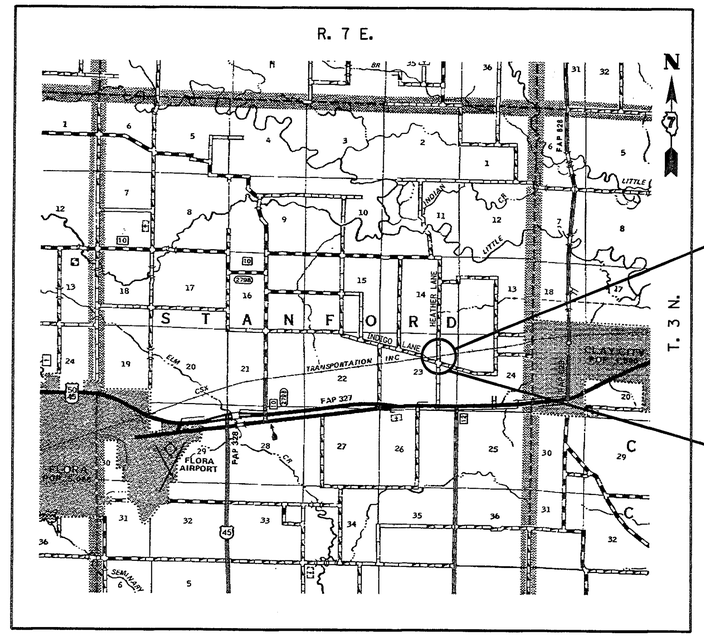


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123 OR 811



LOCATION OF SECTION INDICATED THUS: –



SECTION ENDS
STA. 52+75.00

SECTION 14-11132-00-AS

INCLUDES THE RECONSTRUCTION OF A PORTION OF ROADWAY APPROACH TO A CROSSING OF THE CSX RAILROAD.
AAR/DOT NUMBER: 152 893C
RR MILEPOST: BC-236.82

SECTION BEGINS
STA. 47+25.00

LOCATION: NEAR THE SE CORNER, NE 1/4, SECTION 23, T3N, R7E, 3RD P.M.
GROSS LENGTH OF PROJECT: 550.00 FT. = 0.104 MI.
NET LENGTH OF PROJECT: 540.00 FT. = 0.102 MI.
(10.00 FT. OMISSION AT RR TRACKS)

APPROVED 1-8-, 2015
Tom Park
STANFORD ROAD DISTRICT COMMISSIONER

CLAY COUNTY
HIGHWAY DEPARTMENT
APPROVED 1/7, 2015
Michael J Quandt
CLAY COUNTY, COUNTY ENGINEER

PASSED 1/12, 2015
Maureen Lorenzen
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW 1-12, 2015
Brian L Dushell
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

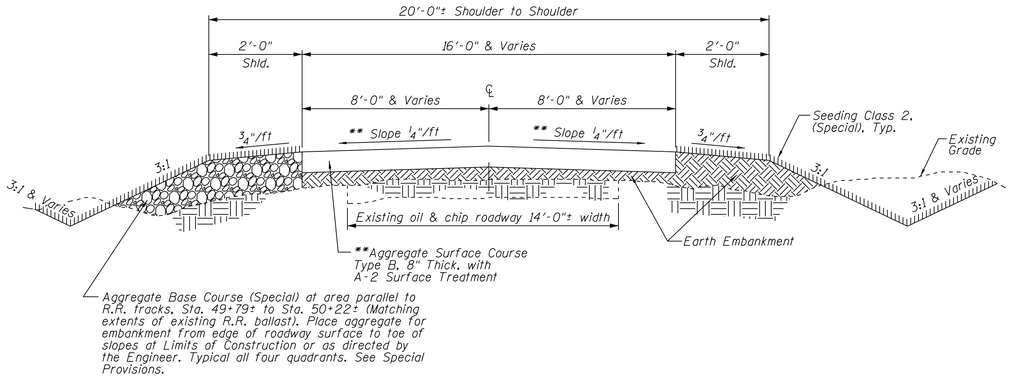
GARY L. HAHN
62-42606
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

01-02-2015
GARY L. HAHN
CENTRALIA, ILLINOIS
ILLINOIS LICENSED PROFESSIONAL
ENGINEER NO. 62-42606
EXPIRES NOV. 30, 2015

01/02/2015

RHUTASEL and ASSOCIATES, INC.
CONSULTING ENGINEERS • LAND SURVEYORS
CENTRALIA, ILLINOIS FREEBURG, ILLINOIS
ILLINOIS DESIGN FIRM LICENSE NO. 184-000287

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 332A	14-11132-00-AS	CLAY	5	1
RAAI JOB NO. 51414	ILLINOIS	FED. AID PROJECT		



TYPICAL ROADWAY CROSS SECTION

Sta. 47+25.00 to Sta. 52+75.00
(With 10' omission, 5' each side of RR tracks)

Width transition: From 14' existing roadway to 16' proposed roadway.
Sta. 47+25.00 to Sta. 47+55.00
From 16' proposed roadway to 14' existing roadway.
Sta. 52+45.00 to Sta. 52+75.00

** Cross slope shall transition from transverse slope at railroad tracks to normal ¼"/ft. slope in 50' Typ. each approach.

See Plan and Profile sheet for R.O.W. widths.

UTILITIES

J.U.L.I.E. Dig No. A2731511

Railroad:
CSX Transportation, Inc.
Phone: 800-232-0144

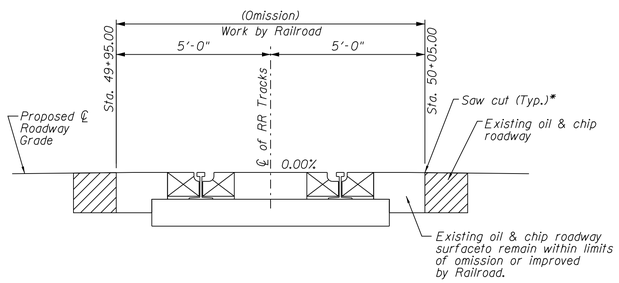
Electric / Water:
Clay Electric Co-op/ Clay Co. Water
Sam Kessler
7784 Old Highway 50
Flora, IL 62839
Phone: 618-662-2171

Telephone:
Frontier Communications
Brian Vangundy
225 East Chestnut
Olney, IL 62450
Phone: 618-395-6189

Gas:
Clay City Gas
Michael Spitzner
PO Box 522
Clay City, IL 62824
Phone: 618-676-1441

SUMMARY OF QUANTITIES

Location		
Item	Unit	Quantity
EARTH EXCAVATION	CU YD	69
FURNISHED EXCAVATION	CU YD	570
TRENCH BACKFILL	CU YD	23
AGGREGATE BASE COURSE (SPECIAL)	TON	60
AGGREGATE SURFACE COURSE, TYPE B	TON	475
BITUMINOUS MATERIALS (PRIME COAT)	GALLON	376
BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	478
COVER COAT AGGREGATE	TON	12
SEAL COAT AGGREGATE	TON	12
PIPE CULVERT REMOVAL	FOOT	60
PIPE CULVERTS, CLASS C, TYPE 2 24"	FOOT	104
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
SEEDING, CLASS 2 (SPECIAL)	ACRE	0.2

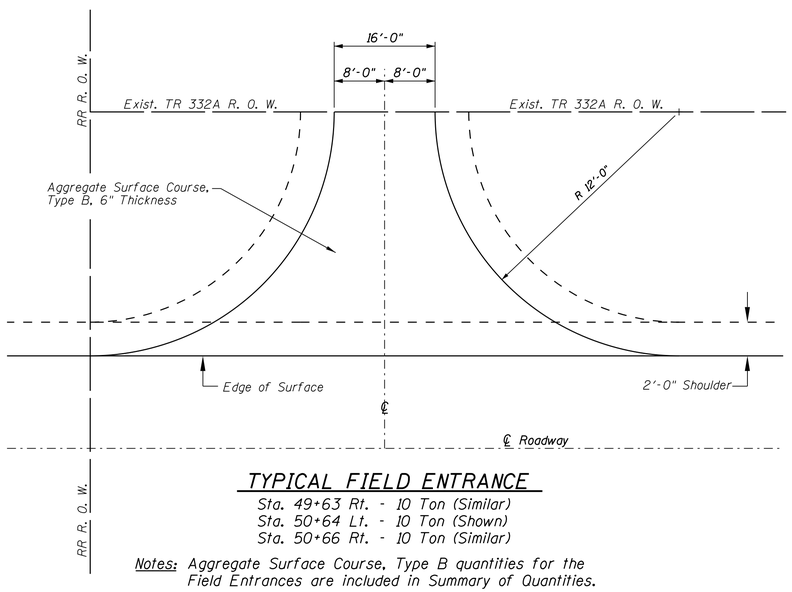


PROFILE CSX RR CROSSING

Dimensions are measured along the ℄ of the roadway.

℄ RR Tracks = Sta. 50+00.00

* Cost for saw cut shall be included in the contract unit price per Cubic Yard for Earth Excavation and no additional compensation will be allowed.



TYPICAL FIELD ENTRANCE

Sta. 49+63 Rt. - 10 Ton (Similar)
Sta. 50+64 Lt. - 10 Ton (Shown)
Sta. 50+66 Rt. - 10 Ton (Similar)

Notes: Aggregate Surface Course, Type B quantities for the Field Entrances are included in Summary of Quantities.

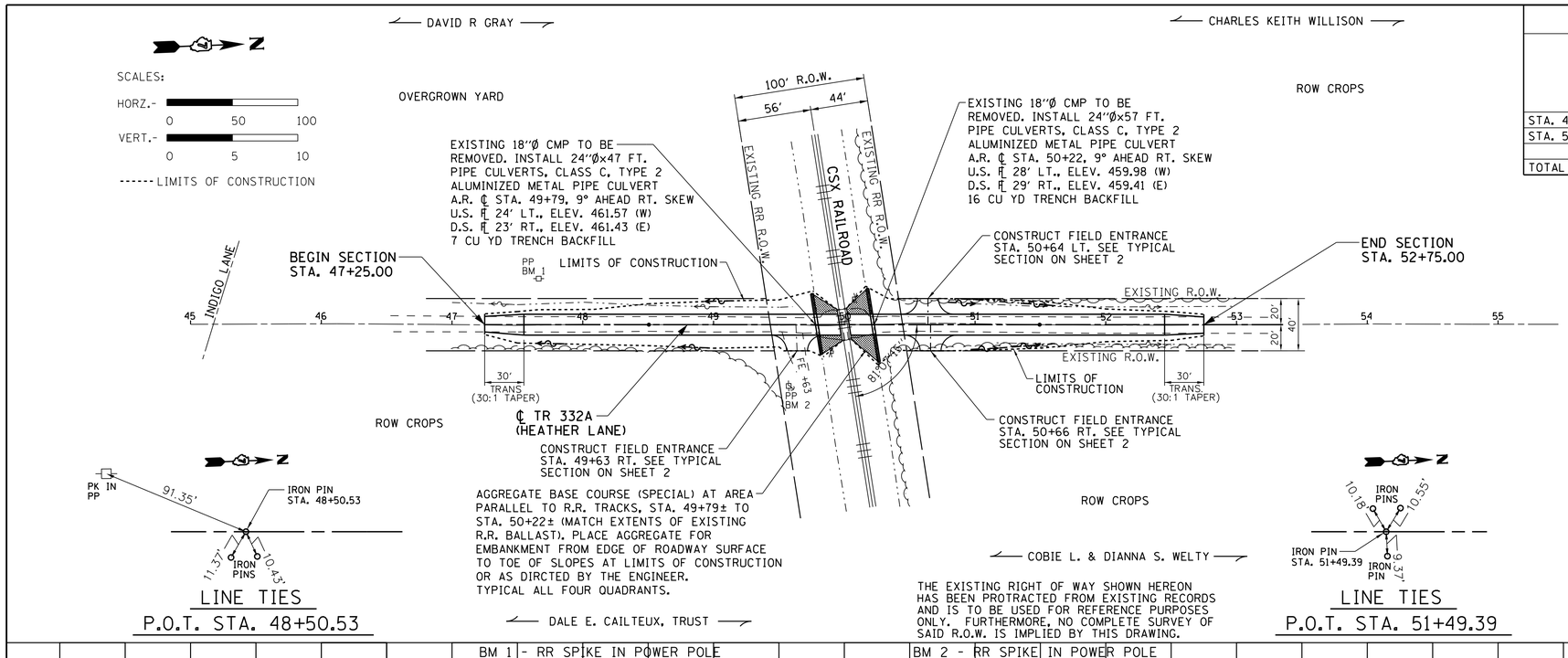
Field Entrances do not receive the A-2 surface treatment.

GENERAL NOTES

1. This section shall be constructed according to the plans, the Special Provisions, and the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2012.
2. Any reference to a Standard in these plans shall be interpreted to mean the edition as indicated by the sub-number listed in the Index of Sheets or the copy of the Standard included in these plans.
3. Roadway Centerline profile elevations refer to the finished surface.
4. Existing utilities shown are located from surface observations or information provided by the respective utilities and must be considered approximate. There may be others, the exact location of which are unknown and not shown. The Contractor will be responsible for notifying the respective utilities before work is begun. Field marking of underground utilities may be obtained by providing a minimum of 48 hours advance notice through the J.U.L.I.E. system by calling 1-800-892-0123, or by direct contact with non-members of J.U.L.I.E.
5. When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of Clay County as to the location of such utilities and is only included for the convenience of the bidder.
6. All materials deemed salvageable by the Engineer shall be stockpiled on the right of way and shall become the property of the County or Road District. The cost for this work shall be included in the contract unit price for Earth Excavation and no additional compensation will be allowed.
7. The nominal thickness for surface course is shown on the Typical Sections, Standards, Schedules, or Special Details. The constructed thickness of the above item shall not be less than 90 percent of the nominal thickness at any location.
8. Factors used for quantity calculations are as follows:

Embankment Shrinkage Factor	25%
Aggregate Base and Surface Course	2.1 tons/cu. yd.
Bituminous Materials (Prime Coat)	0.35 gal/sq. yd.
Bituminous Materials (Cover & Seal Coats)	0.25 gal/sq. yd.
Cover & Seal Coat Aggregates	25 lbs/sq. yd.

9. TR 332A (Heather Lane) will be closed to all traffic in the immediate vicinity of the project for the duration of construction in accordance with BLR 21. Traffic Control Plan must be approved by the Engineer.
10. Commitments: None as of September 30, 2014.



THE EXISTING RIGHT OF WAY SHOWN HEREON HAS BEEN PROTRACTED FROM EXISTING RECORDS AND IS TO BE USED FOR REFERENCE PURPOSES ONLY. FURTHERMORE, NO COMPLETE SURVEY OF SAID R.O.W. IS IMPLIED BY THIS DRAWING.

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION CU. YD.	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE• CU. YD.	EMBANKMENT CU. YD.	EARTHWORK BALANCE•• WASTE (+) OR SHORTAGE (-) CU. YD.
STA. 47+25.00 TO STA. 49+95.00	29	22	345	-323
STA. 50+05.00 TO STA. 52+75.00	40	30	277	-247
TOTAL	69	52	622	-570

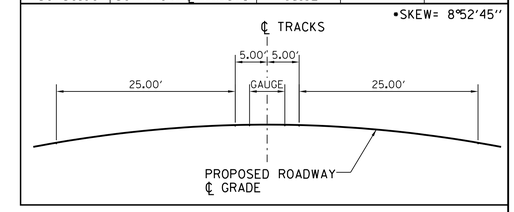
•25% SHRINKAGE

••FURNISHED EXCAVATION

VERTICAL ALIGNMENT DETAILS

STATION	LOCATION DESCRIPTION	ELEVATION	DISTANCE	GRADE
49+70.00	30' FROM ℄ TRACKS	465.92		
			25'	+0.52%
49+95.00	5' FROM ℄ TRACKS	466.05		
			2.62'	0.00%
49+97.62	TOP S. RAIL	466.05		
			•GAUGE	0.00%
50+02.38	TOP N. RAIL	466.05		
			2.62'	0.00%
50+05.00	5' FROM ℄ TRACKS	466.05		
			25'	-0.52%
50+30.00	30' FROM ℄ TRACKS	465.92		

•SKEW= 8°52'45"

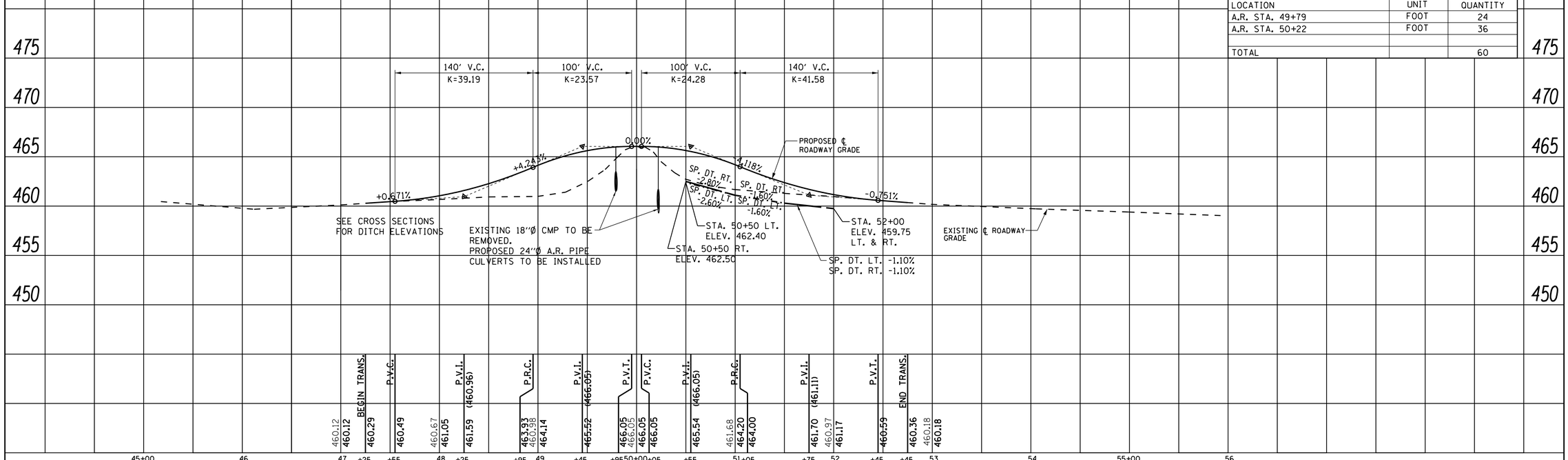


BM 1 - RR SPIKE IN POWER POLE
35.24' LT. OF STA. 47+66.43 - ELEV. 461.87

BM 2 - RR SPIKE IN POWER POLE
45.84' RT. OF STA. 49+56.41 - ELEV. 465.71

PIPE CULVERT REMOVAL

LOCATION	UNIT	QUANTITY
A.R. STA. 49+79	FOOT	24
A.R. STA. 50+22	FOOT	36
TOTAL		60



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CENTRALIA, ILLINOIS FREEBURG, ILLINOIS
ILLINOIS DESIGN FIRM LICENSE NO. 184-000287

DESIGNED	- JN	REVISED	-
DRAWN	- JN	REVISED	-
CHECKED	- GLH	REVISED	-
DATE	- 01/02/2015	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE OF ROADWAY

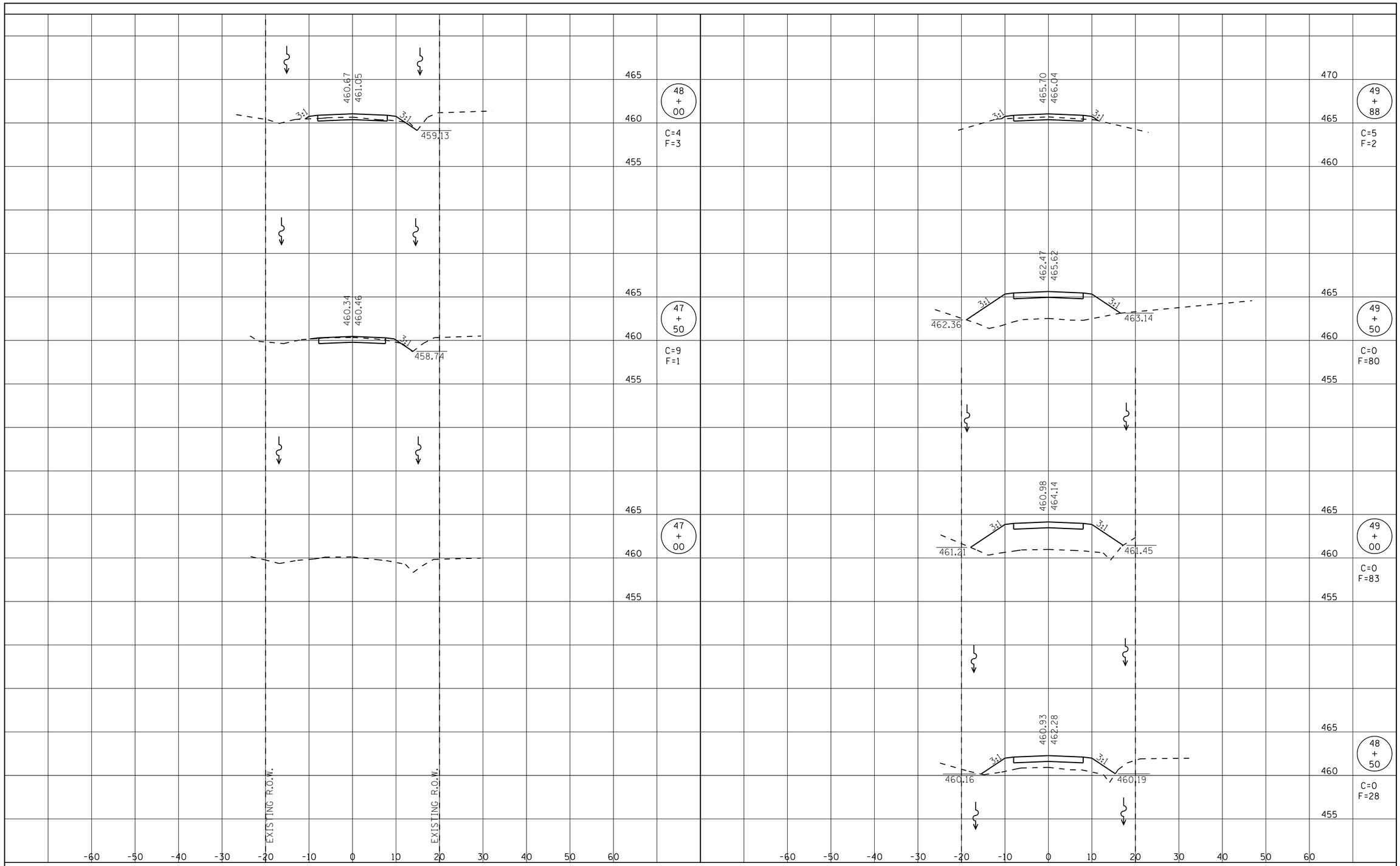
STA. 45+00 TO STA. 56+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 332A	14-11132-00-AS	CLAY	5	3

RAAI JOB NO. 51414 ILLINOIS FED. AID PROJECT

PLAN — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / ALIGNMENT CHECKED / PLAN/PROFILE CHECKED / CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK NO. ___ — SURVEYED / PLOTTED / GRADES CHECKED / PLAN/PROFILE / STRUCTURE NOTAT'NS CHK'D — BY — DATE



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

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

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DRAWN	- JN	REVISED	-
CHECKED	- GLH	REVISED	-
DATE	- 01/02/2015	REVISED	-

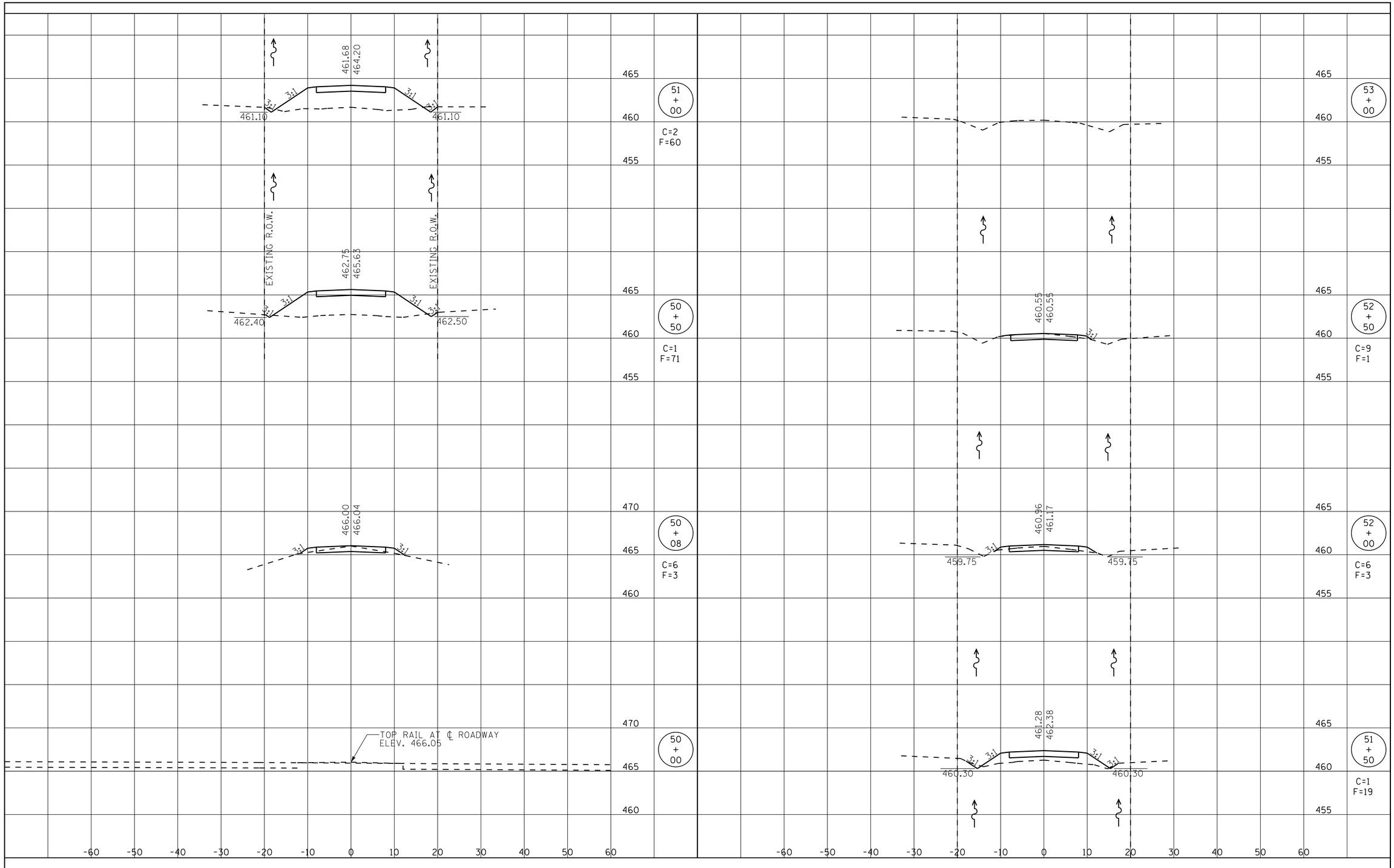
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS OF ROADWAY

STA. 47+00 TO STA. 49+88

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 332A	14-11132-00-AS	CLAY	5	4

RAAI JOB NO. 51414 | ILLINOIS | FED. AID PROJECT



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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS OF ROADWAY

STA. 50+00 TO STA. 53+00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 332A	14-11132-00-AS	CLAY	5	5

RAAI JOB NO. 51414 ILLINOIS FED. AID PROJECT