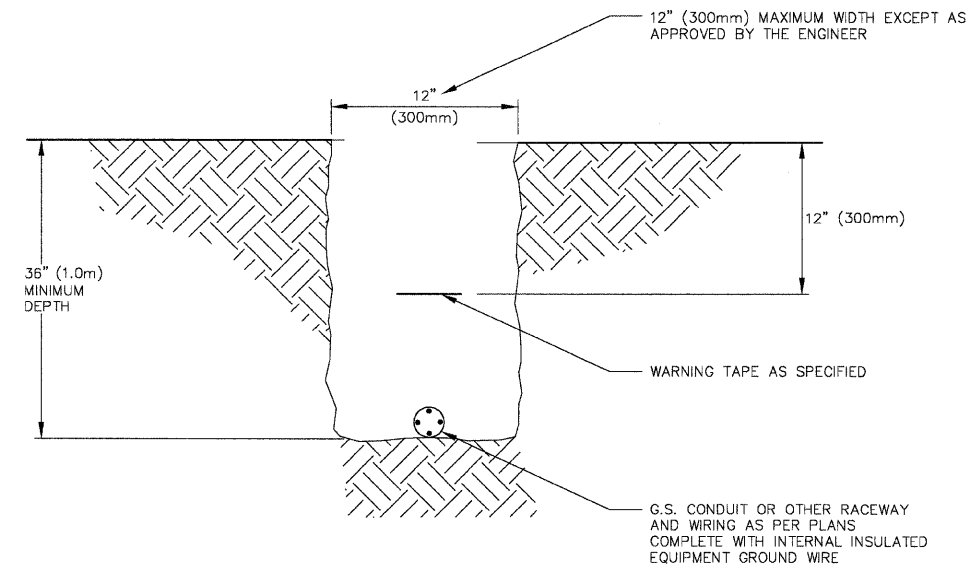


SECTION A-A
N.T.S.

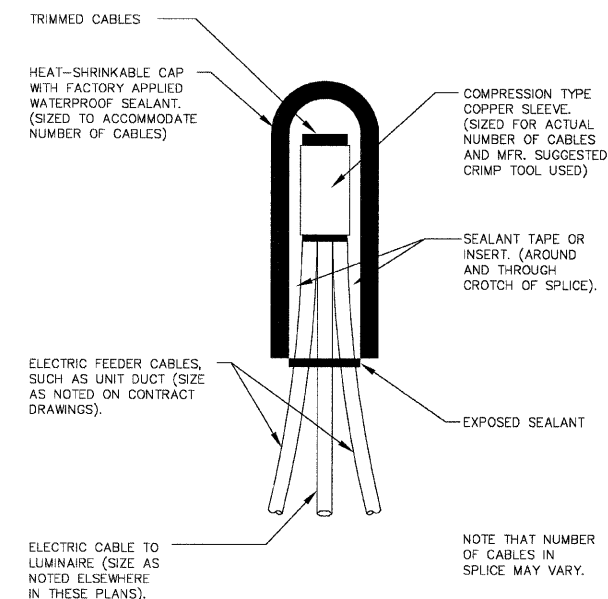
- MINIMUM UNCONFINED COMPRESSIVE STRENGTH FOR COHESIVE SOILS $Q_u = 0.8$ TONS PER SQ. FT. MINIMUM STANDARD PENETRATION TEST VALUE FOR GRANULAR SOILS $N = 10$ BLOWS PER FOOT.
- MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3500 PSI AT THE END OF 28 DAYS.
- ALL REINFORCEMENT SHALL BE EPOXY COATED WITH A MINIMUM YIELD POINT OF 60000 PSI.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN FORMS.
- EXCAVATION FOR THE POLE FOUNDATION SHALL BE WITH AN AUGER 24 INCHES (600mm) IN DIAMETER.
- WHEN INSTALLED WITHIN THE CLEAR ZONE, THE FOUNDATION, WITH ANCHOR RODS AND BREAKAWAY DEVICE INCLUDED, SHALL NOT PROTRUDE MORE THAN 4 INCHES (100mm) ABOVE THE FINISHED GRADE.
- THE FOLLOWING FOUNDATIONS MAY BE PLACED WITHIN THE LIMITS OF THE TRENCH BACKFILL THAT WAS PLACED FOR THE INSTALLATION OF STORM SEWER, WATER MAIN OR OTHER UTILITIES. THIS MAY REQUIRE THE USE OF A FORM TO PREVENT THE TRENCH BACKFILL MATERIAL FROM ENTERING THE EXCAVATION. IN ADDITION, DUE TO THE DEPTHS OF SOME UTILITIES, DEPTHS BEYOND THE NOMINAL 8 FEET SHOWN MAY BE NEEDED AT SOME LOCATIONS. THE EXCAVATIONS FOR THESE LOCATIONS SHALL BE INSPECTED BY THE ENGINEER PRIOR TO INSTALLING THE REINFORCING BARS. THE ENGINEER SHALL DETERMINE IF ADDITIONAL FOUNDATION DEPTH IS REQUIRED DUE TO SOIL CONDITIONS ACCORDING TO THE FOUNDATION DEPTH TABLE BELOW. A QUANTITY OF 240 FEET OF ADDITIONAL LIGHT POLE FOUNDATION, 24" DIAMETER HAS BEEN INCLUDED. A QUANTITY OF 36 FEET OF LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET HAS BEEN INCLUDED IN THE EVENT THAT A STANDARD FOUNDATION CAN NOT BE USED.



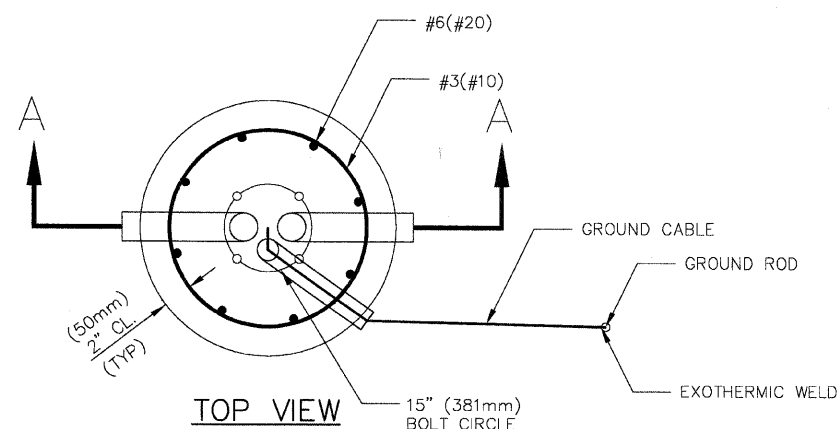
TYPICAL CONDUIT IN TRENCH DETAIL
N.T.S.

RANDALL ROAD		MAIN STREET (ILL. ROUTE 64)
11+50 RT	37+50 RT	337+70 RT
27+60 RT	37+50 LT	339+75 RT
29+35 RT	41+30 RT	342+15 RT
29+35 LT	43+00 RT	344+25 RT
31+00 RT	44+80 RT	346+10 RT
31+00 LT	46+60 RT	347+75 RT
32+65 RT	48+40 RT	354+30 LT
32+49 LT	50+20 RT	354+42 RT
34+30 RT	53+90 RT	356+40 RT
34+30 LT	55+60 RT	
35+90 RT		
35+90 LT		

LIGHT POLE FOUNDATION DEPTH TABLE	
SOIL CONDITIONS	DESIGN DEPTH OF FOUNDATION
	SINGLE ARM POLE
SOFT CLAY $Q_u = 0.375$ TON/SQ. FT.	3.96M (13'-0")
MEDIUM CLAY $Q_u = 0.75$ TON/SQ. FT.	2.09M (9'-6")
STIFF CLAY $Q_u = 1.50$ TON/SQ. FT.	2.13M (7'-0")
LOOSE SAND $\phi = 34'$	2.74M (9'-0")
MEDIUM SAND $\phi = 37.5'$	2.52M (8'-3")
DENSE SAND $\phi = 40'$	2.36M (7'-9")



SPlicing ELECTRIC CABLES BASIC MATERIALS AND METHODS
N.T.S.



LIGHT POLE FOUNDATION DETAIL
N.T.S.

REVISIONS	
NAME	DATE
PER BEO REVIEW	10-7-04
PER BEO REVIEW	12-29-04

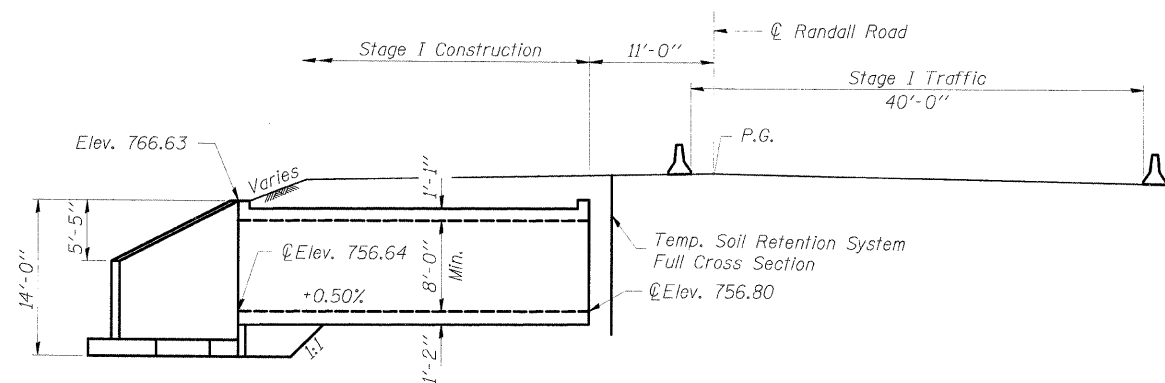
STREET LIGHTING DETAILS

LIGHT POLE FOUNDATION
CONDUIT IN TRENCH
CABLE SPLICE

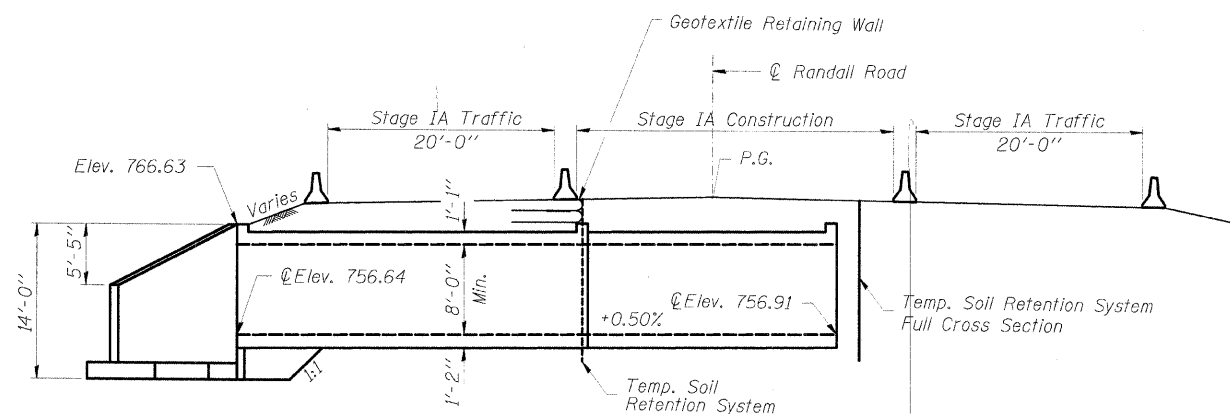
RANDALL ROAD

SCALE: NONE
DATE: 5-26-04

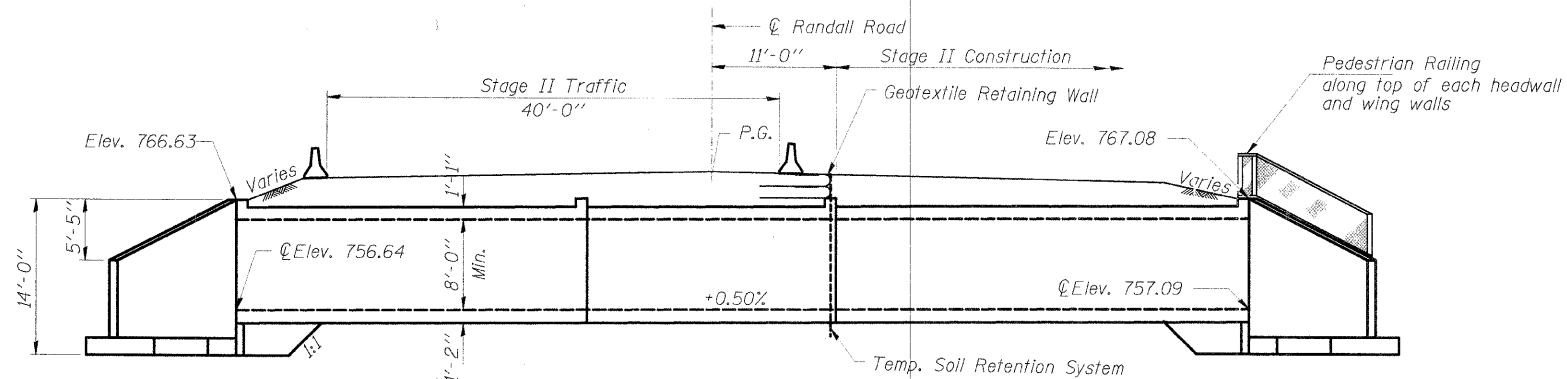
DRAWN BY: JMH
CHECKED BY: DAY



STAGE I CONSTRUCTION



STAGE IA CONSTRUCTION



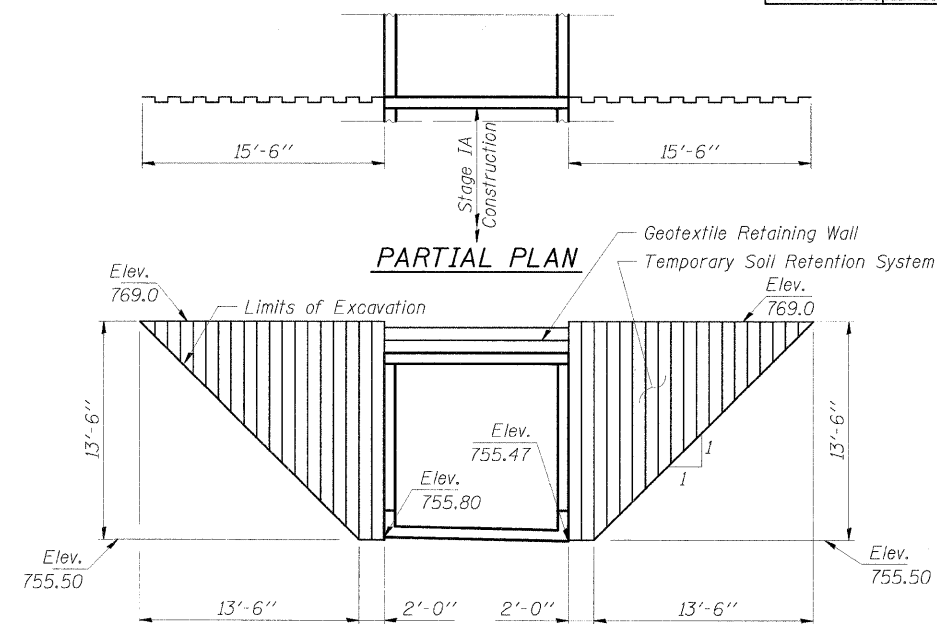
STAGE II CONSTRUCTION

Note:

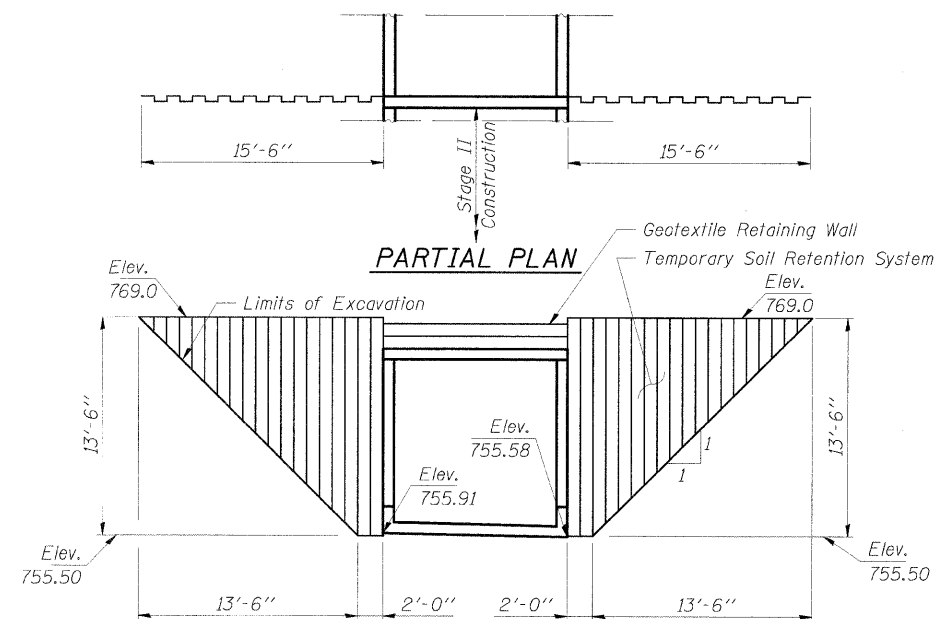
"A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer."

Note:

Boulders were encountered at Elev. 758.2 at Boring #1



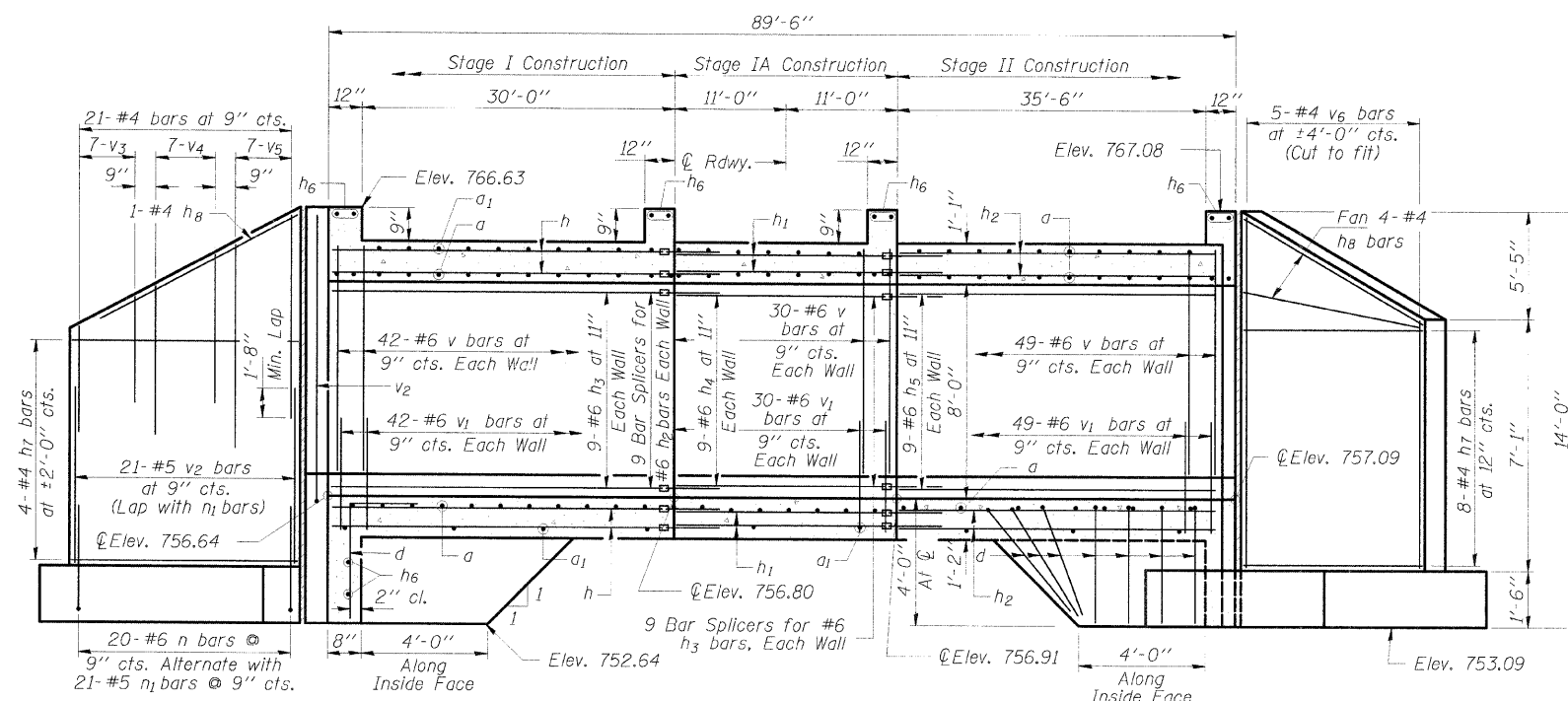
ELEV. TEMPORARY SOIL RETENTION SYSTEM DETAILS FOR STAGE IA REMOVAL & CONST.



ELEV. TEMPORARY SOIL RETENTION SYSTEM DETAILS FOR STAGE II REMOVAL & CONST.

	Rice, Berry and Associates A Division of Hampton, Lenzini and Renwick, Inc. Civil & Structural Engineers 801 S. Durkin Drive Springfield, Illinois 62704 217-546-3400
	P.O. Box 1036 DuQuoin, Illinois 62832 618-790-4637
Account Number 03-05-0181-1 Date: 6-09-04	DESIGNED: P.S.L. CHECKED: J.L.B. DRAWN: D.S.S.

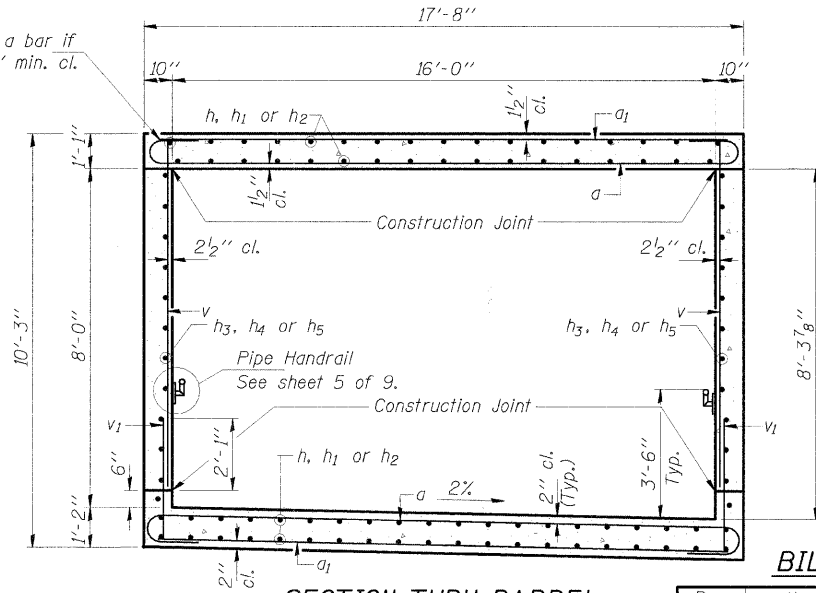
STAGING
SECTION 99-00243-00-PV
BIKE PATH UNDER RANDALL ROAD
KANE COUNTY
STATION 11+25



REINF. - BACK FACE

LONGITUDINAL SECTION
(Looking North)

REINF. - FRONT FACE

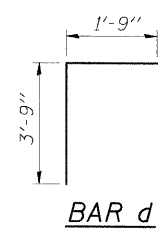


SECTION THRU BARREL
(Looking East)

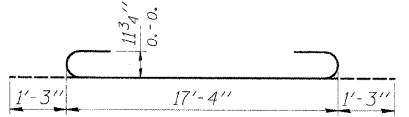
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	242	#9	19'-10"	U
a1	94	#4	17'-0"	—
d	62	#4	5'-6"	—
h	74	#5	30'-10"	—
h1	74	#5	21'-8"	—
h2	74	#5	36'-2"	—
h3	18	#6	30'-10"	—
h4	18	#6	21'-8"	—
h5	18	#6	36'-2"	—
h6	12	#6	17'-4"	—
h7	48	#4	14'-10"	—
h8	20	#4	15'-9"	—
n	80	#6	5'-7"	U
n1	84	#5	4'-0"	U
t	184	#4	7'-0"	—
v	242	#6	8'-3"	—
v1	242	#6	3'-11"	—
v2	84	#5	6'-6"	—
v3	28	#4	2'-6"	—
v4	28	#4	5'-0"	—
v5	28	#4	7'-3"	—
v6	20	#4	12'-3"	—
v7	8	#4	13'-6"	—
w	48	#5	14'-11"	—
Concrete Box Culverts		Cu. Yds.	254.0	
Clear Protective Coating For Concrete		Sq Ft	4,835	
Reinforcement Bars, Epoxy Coated		Lbs.	35,680	
Porous Granular Backfill, Special		Ton	3,675	
Geocomposite Wall Drain		Sq Yd	265	
Bar Splicers		Each	298	
Pipe Underdrain 6"		Foot	253	
Concrete Headwalls For Pipe Drains		Ea.	1	

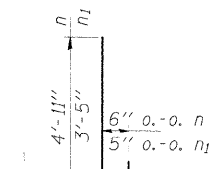
Note: All reinforcement bars shall be epoxy coated.



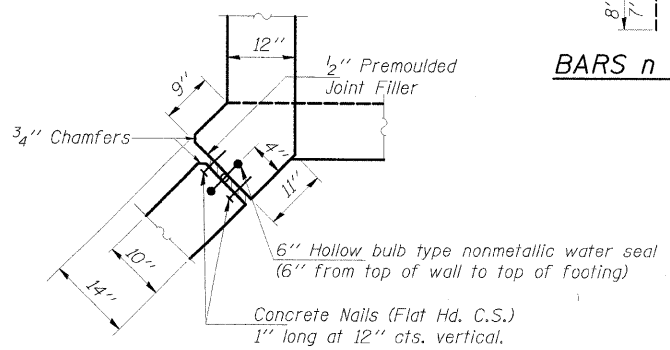
BAR d



BAR a



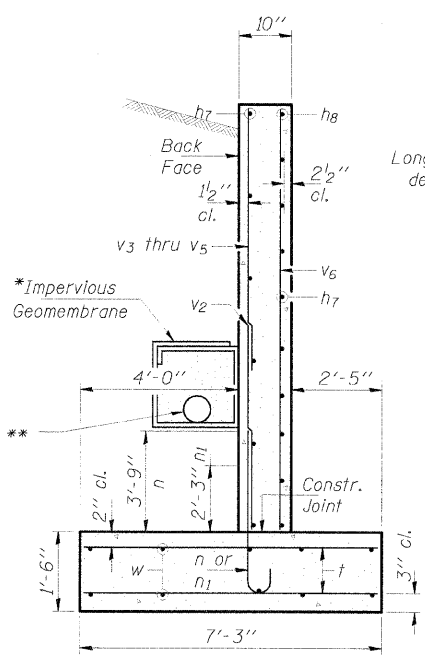
BARS n and n1



CORNER DETAIL

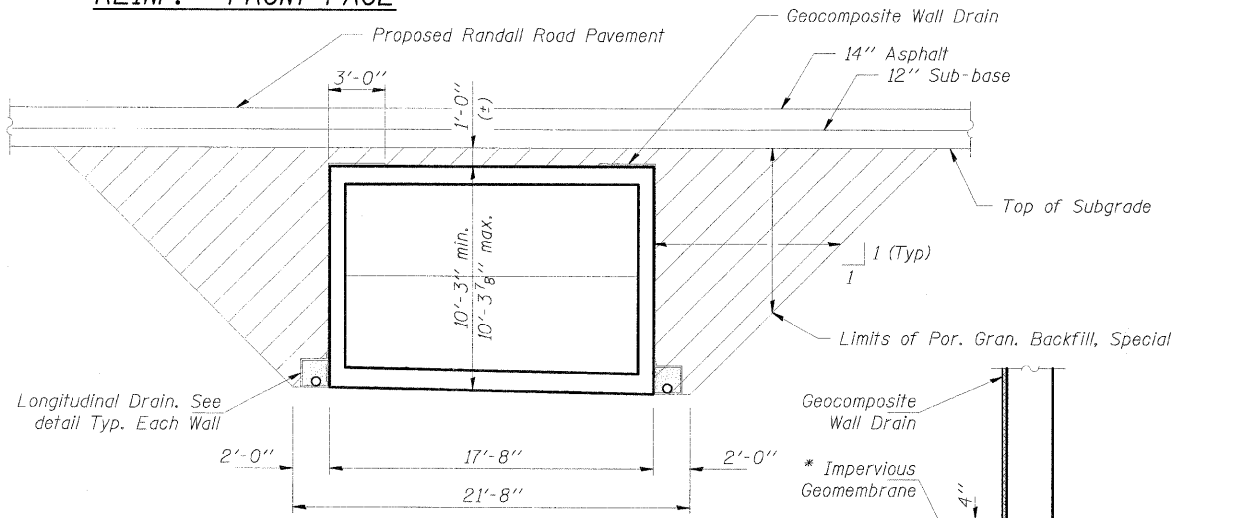
MIN. BAR LAPS
#5 Bars = 1'-8"
#6 Bars = 2'-0"

* Cost included with Geocomposite Wall Drain.



SECTION B-B

Max. Soil Pressure under Footing = 2850 psf.

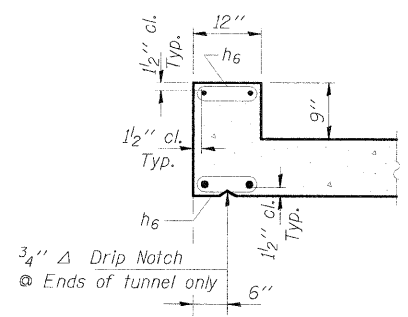


TUNNEL BACKFILL DETAIL

Construct backfill ±54' wide across Randall Road and Taper at 1:1 slope.

LONGITUDINAL DRAIN

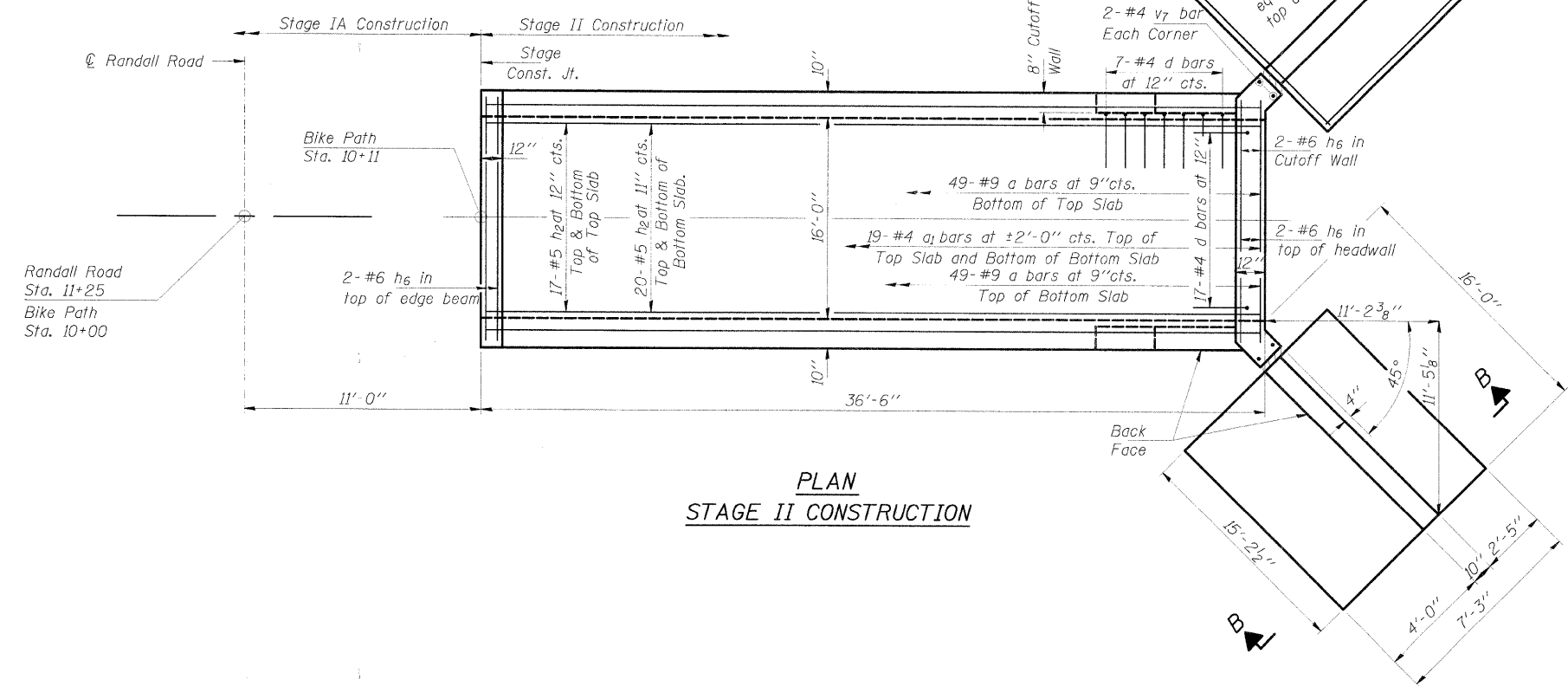
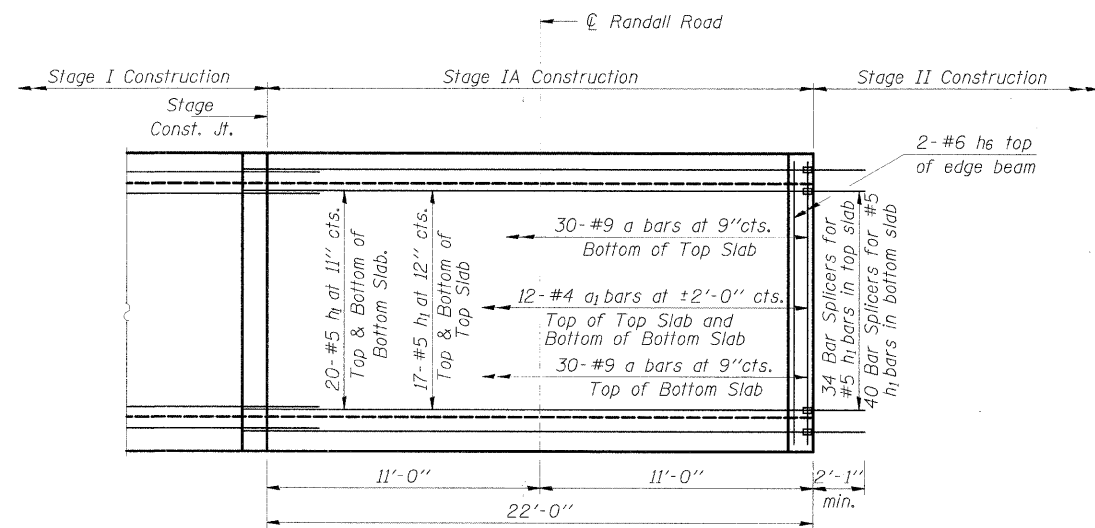
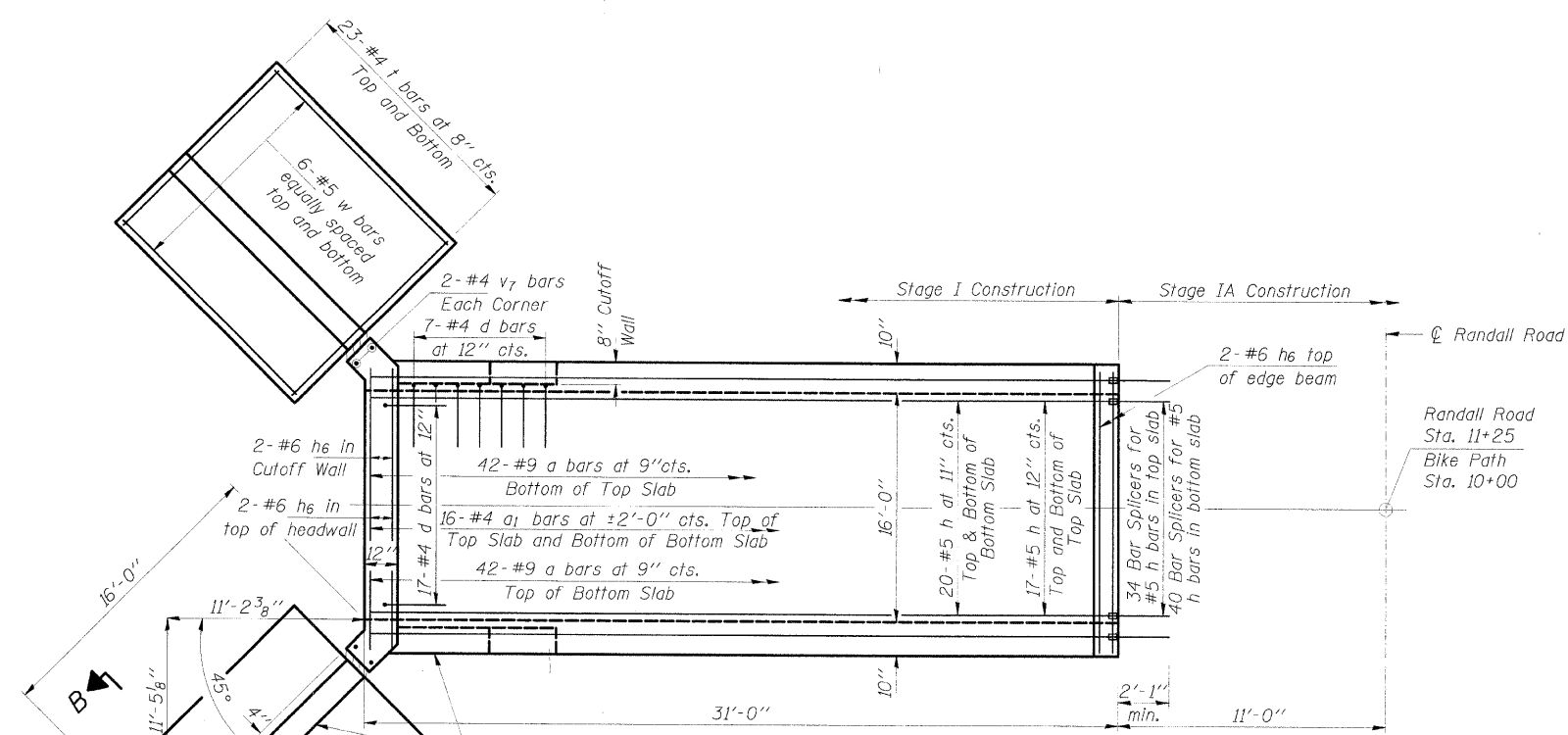
* Cost included with Geocomposite Wall Drain.
** Pipe Underdrain 6" according to section 601 of the Standard Specifications encased in 18" of CA-5 or CA-7 course aggregate. Aggregate is to be incidental to Pipe Underdrains. Pipes shall drain into concrete headwalls or directly into drainage structure see sheet 1 of 9 (Article 601.05 of the Std. Specifications).



SECTION THRU HEADWALL

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Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400
P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637
Account Number: 03-05-0181-1
Date: 6-09-04
DESIGNED: P.S.L. CHECKED: J.L.B. DRAWN: D.S.S.

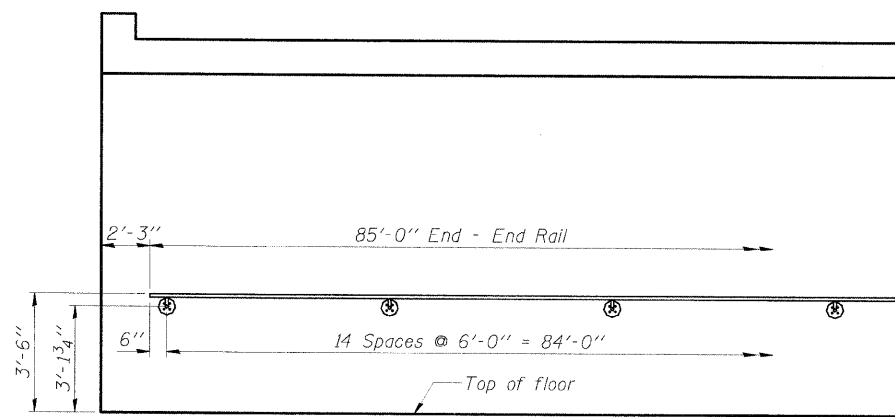
TUNNEL DETAILS I
SECTION 99-00243-00-PV
BIKE PATH UNDER RANDALL ROAD
KANE COUNTY
STATION 11+25



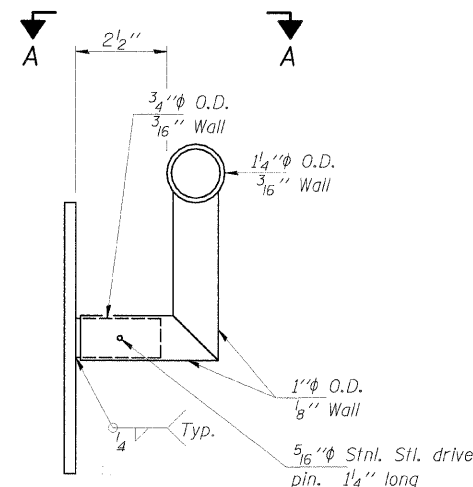
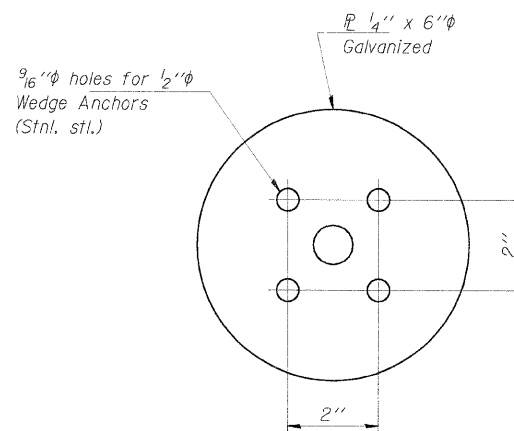
MIN. BAR LAPS
 #5 Bars = 1'-8"
 #6 Bars = 2'-0"

Note: All reinforcement bars shall be epoxy coated.
 Bars indicated thus, 2 x 4-#5 etc. indicates 2 lines of bars with 4 lengths per line.
 See Sheet 3 of 9 for Section B-B.

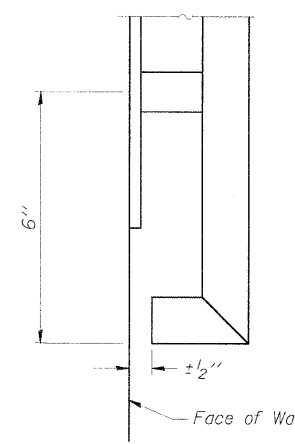
	Rice, Berry and Associates A Division of Hampton, Lenzini and Renwick, Inc. Civil & Structural Engineers 801 S. Durkin Drive Springfield, Illinois 62704 217-546-3400	TUNNEL DETAILS II SECTION 99-00243-00-PV BIKE PATH UNDER RANDALL ROAD KANE COUNTY STATION 11+25
	Account Number 03-05-0181-1	
	P.O. Box 1036 DuQuoin, Illinois 62832 618-790-4637	
	Date: 6-09-04 DESIGNED: P.S.L. CHECKED: J.L.B. DRAWN: D.S.S.	



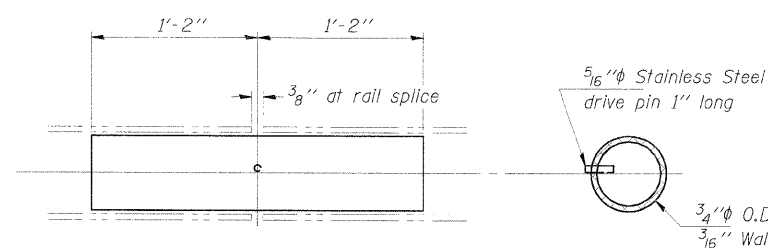
PARTIAL LONG. SECTION



PIPE HANDRAIL DETAILS



SECTION A-A



RAIL SPLICE

NOTES

Railing shall be in accordance with Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for PIPE HANDRAIL.

Aluminum alloy rail shall conform to ASTM B221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.

All joints in rail shall be spliced per detail.

All plates shall conform to the requirements of AASHTO M-270 Grade 36.

All plates shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385.

1/2" diameter wedge anchors shall be stainless steel and shall have a minimum working shear level of 4,000 pounds and a working pullout load of 2,000 pounds.

BILL OF MATERIAL

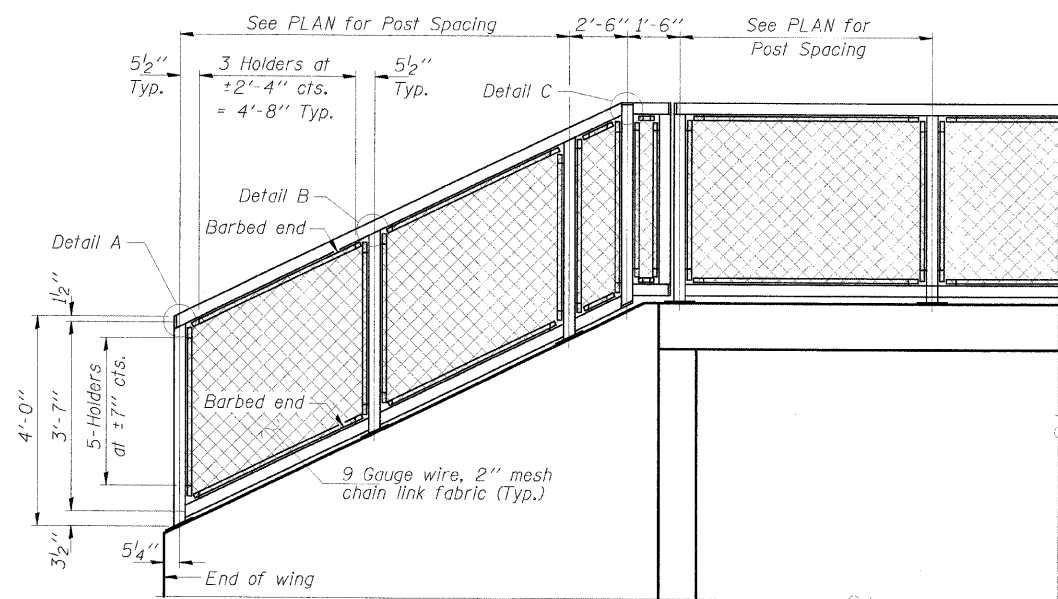
Item	Unit	Quantity
Pipe Handrail	Foot	170

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 A Division of Hampton, Lenzini and Renwick, Inc.
 Civil & Structural Engineers
 801 S. Durkin Drive
 Springfield, Illinois 62704
 217-546-3400

Account Number 03-05-0181-1
 Date: 6-09-04
 P.O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637

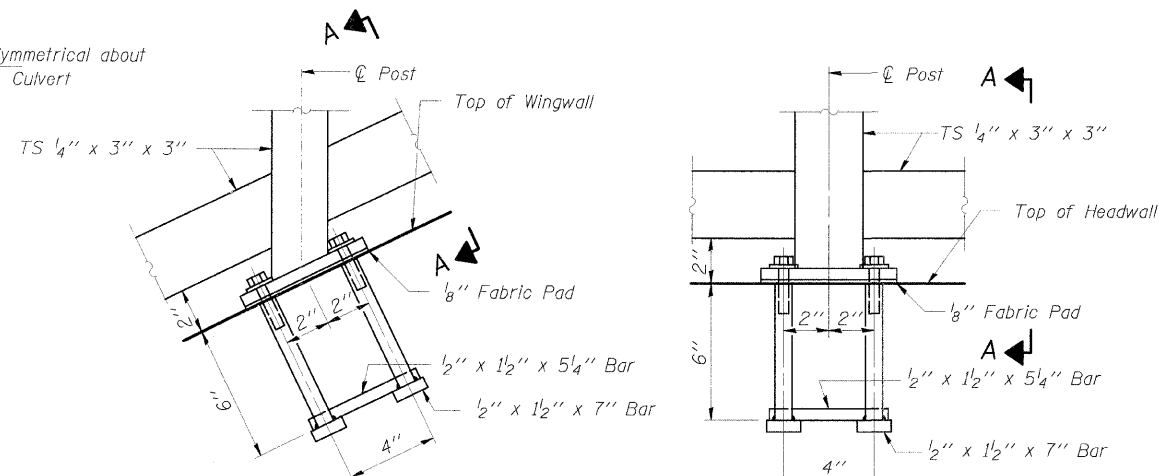
DESIGNED: P.S.L. CHECKED: J.L.B. DRAWN: D.S.S.

TUNNEL DETAILS III
SECTION 99-00243-00-PV
BIKE PATH UNDER RANDALL ROAD
KANE COUNTY
STATION 11+25

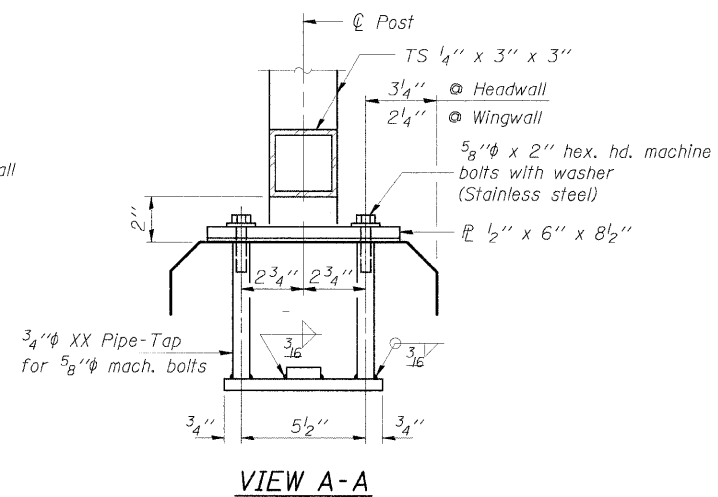


ELEVATION

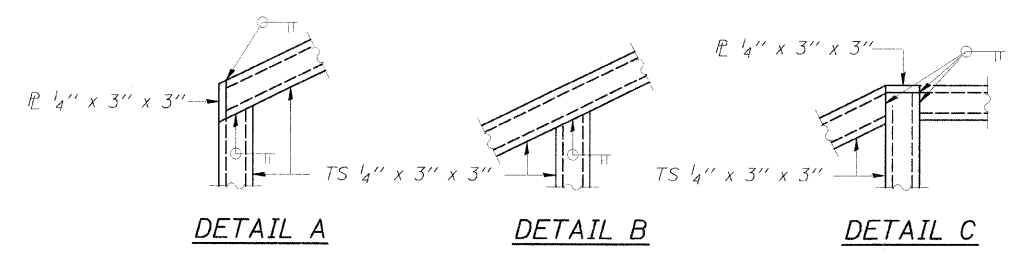
Symmetrical about
Culvert



ANCHOR BOLT DETAILS



VIEW A-A



DETAIL A

DETAIL B

DETAIL C

NOTES

Railing shall be in accordance with Section 509 of the Standard Specifications, except as noted, and will be paid for at the Contract Unit Price per foot for Pedestrian Railing.

The 9 gauge fabric ties shall be in accordance with Article 1006.27(d) of the Standard Specifications.

Installation of the chain link fabric shall be in accordance with Section 664 of the Standard Specifications.

Hollow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

Stretchers bars shall be used at all four sides of each panel.

The chain link fabric shall conform to the requirements of Article 706.27(a)(1)(a) or (b) or (c) of the Standard Specifications.

All joints in rail shall be spliced per detail.

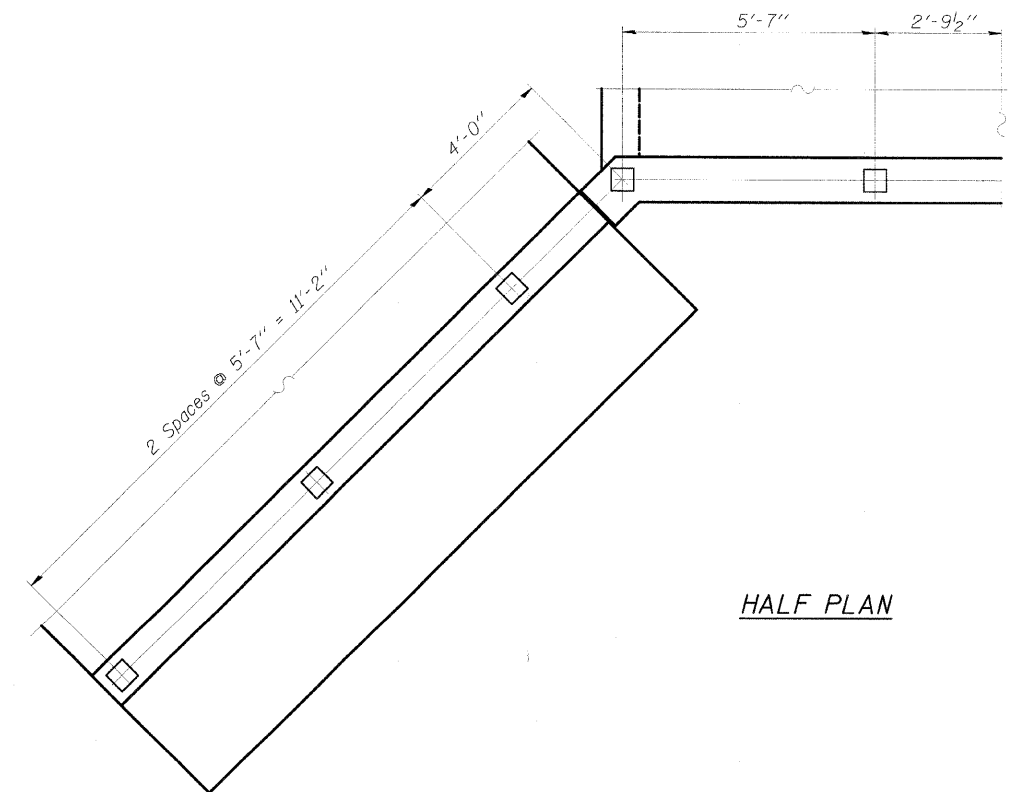
All posts, railing, splices, anchor devices, and plates shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385.

All bolts, nuts and washers shall be galvanized in accordance with AASHTO M-232.

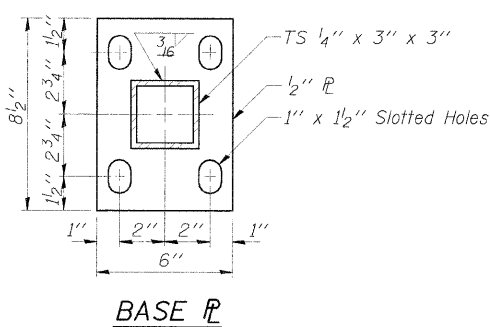
Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of moisture in the members.

BILL OF MATERIAL

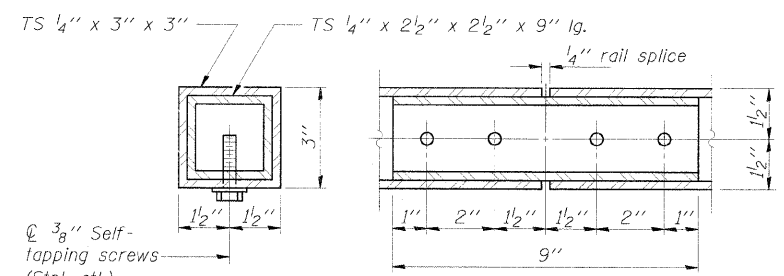
Item	Unit	Quantity
Pedestrian Railing	Foot	97



HALF PLAN



BASE PLATE



RAIL SPLICE

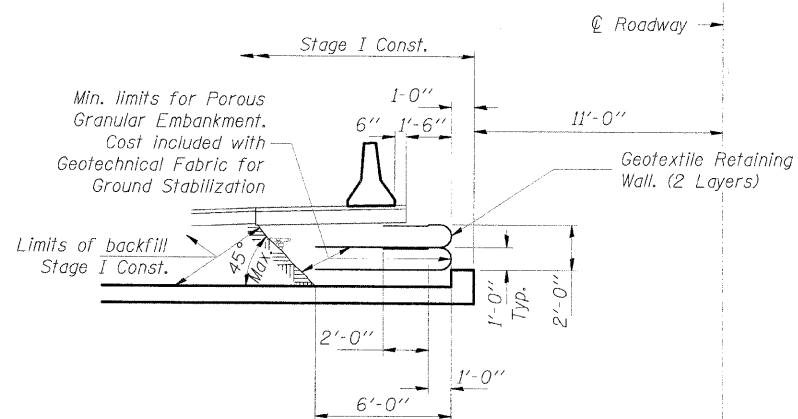
HLR

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Civil & Structural Engineers
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400

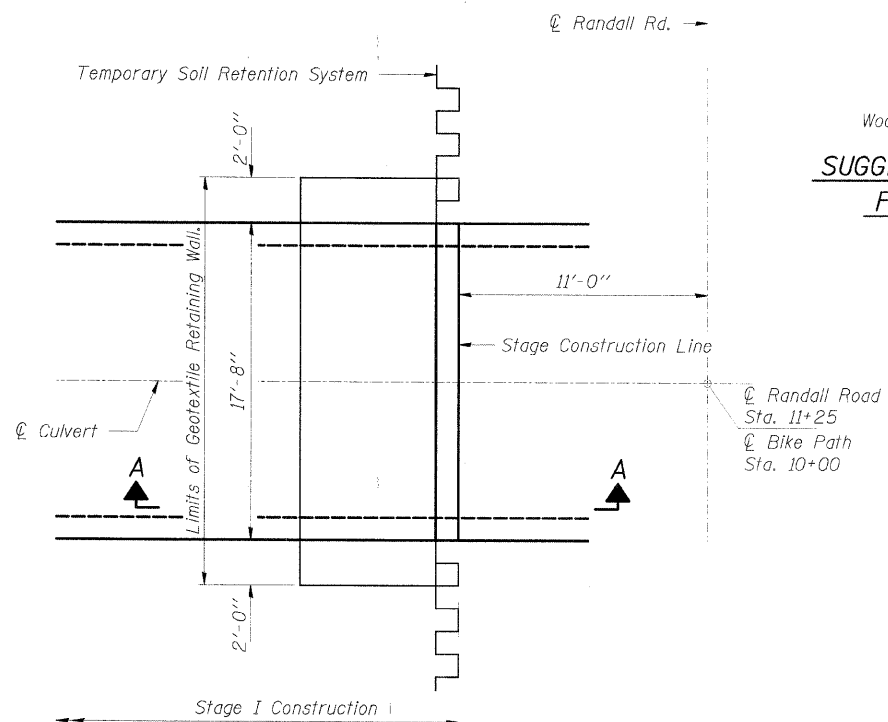
P.O. Box 1036
DuQuoin, Illinois 62832
618-190-4637

Account Number: 03-05-0181-I
Date: 6-09-04
DESIGNED: P.S.L. CHECKED: J.L.B. DRAWN: D.S.S.

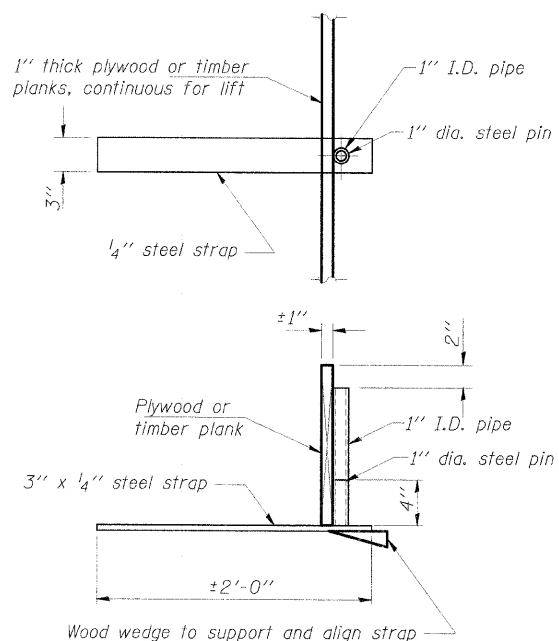
PEDESTRIAN RAILING
SECTION 99-00243-00-PV
BIKE PATH UNDER RANDALL ROAD
KANE COUNTY
STATION 11+25



SECTION A-A

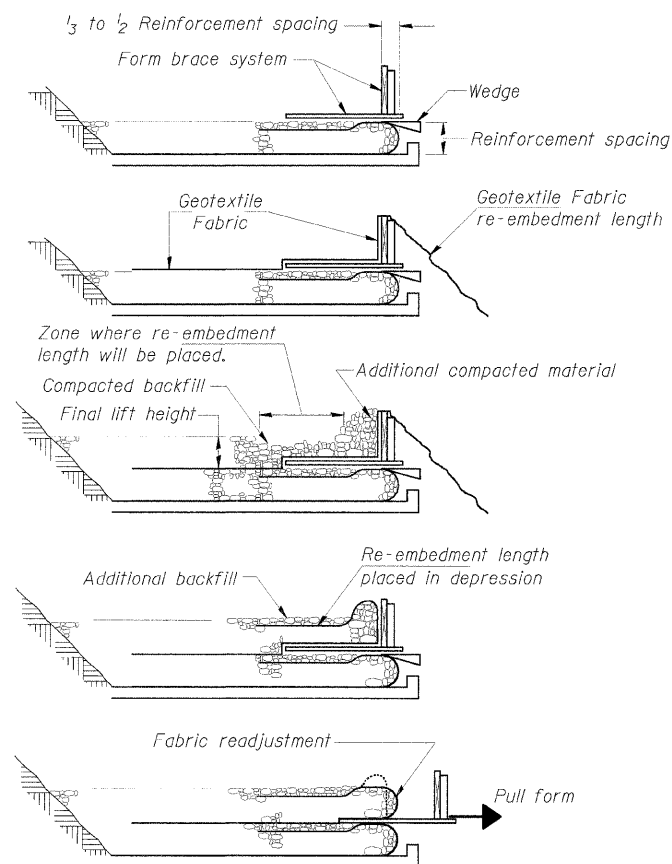


PLAN



SUGGESTED GEOTEXTILE TEMPORARY FORM BRACE SYSTEM DETAIL

Note:
This is a suggested detail, the Contractor is responsible for the design of the form brace system to be used.



1. Place form brace system on completed reinforcement level; back from the finished fabric face a distance of $\frac{1}{3}$ to $\frac{1}{2}$ the reinforcement spacing.
2. Position fabric so that the required re-embedment length extends over the top of the form brace and the design reinforcement width is placed with no slack against the previous level.
3. Compact backfill material in lifts to final lift height, create ($\pm 3''$) depression in zone where re-embedment length will be located and place additional height of compacted material against form brace.
4. Fold fabric re-embedment length back over form brace into zone where depression was made in backfill and place additional compacted backfill, ($\pm 3''$) to embed fabric and bring to final lift height.
5. Pull form brace outward allowing fabric face to slightly readjust to form tight round face and level with plan reinforcement spacing.

GEOTEXTILE WALL CONSTRUCTION PROCEDURE

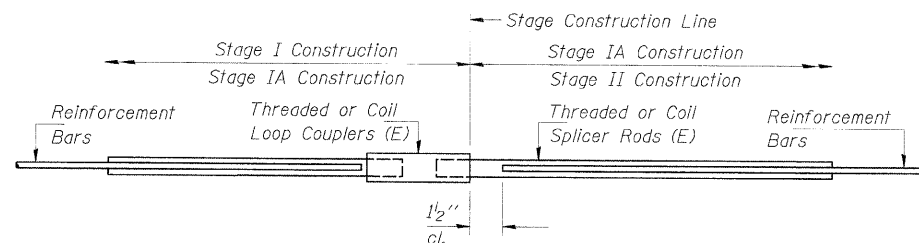
Note: The geotextile fabric shall meet the requirements of Section 210 of the Standard Specifications.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	96

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 Rice, Berry and Associates
 A Division of Hampton, Lenzini and Renwick, Inc.
 Civil & Structural Engineers
 801 S. Durkin Drive
 Springfield, Illinois 62704
 217-546-3400
 P. O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637
 Account Number 03-05-0181-I
 Date: 6-09-04
 DESIGNED: P.S.L. CHECKED: J.L.B. DRAWN: D.S.S.

GEOTEXTILE RETAINING WALL
 SECTION 99-00243-00-PV
 BIKE PATH UNDER RANDALL ROAD
 KANE COUNTY
 STATION 11+25



SPLICER DETAIL

Bar Size	No. Assemblies Required	Location
#5	34	Top of Top slab
#5	40	Top of Bottom Slab
#5	40	Bottom of Bottom Slab
#5	34	Bottom of Top Slab
#6	36	Side Walls

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
 Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
 All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
 Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

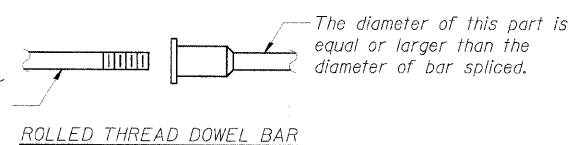
- Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$
- Minimum *Pull-out Strength (Tension in kips) = $1.25 \times f_{s_{allow}} \times A_t$

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 $f_{s_{allow}}$ = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
 A_t = Tensile stress area of lapped reinforcement bars.
 * = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6

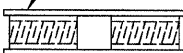
Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

The diameter of this part is the same as the diameter of the bar spliced.



** ONE PIECE

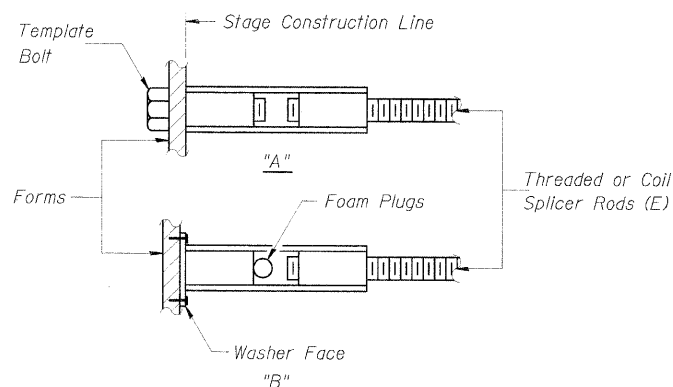
Wire Connector



WELDED SECTIONS

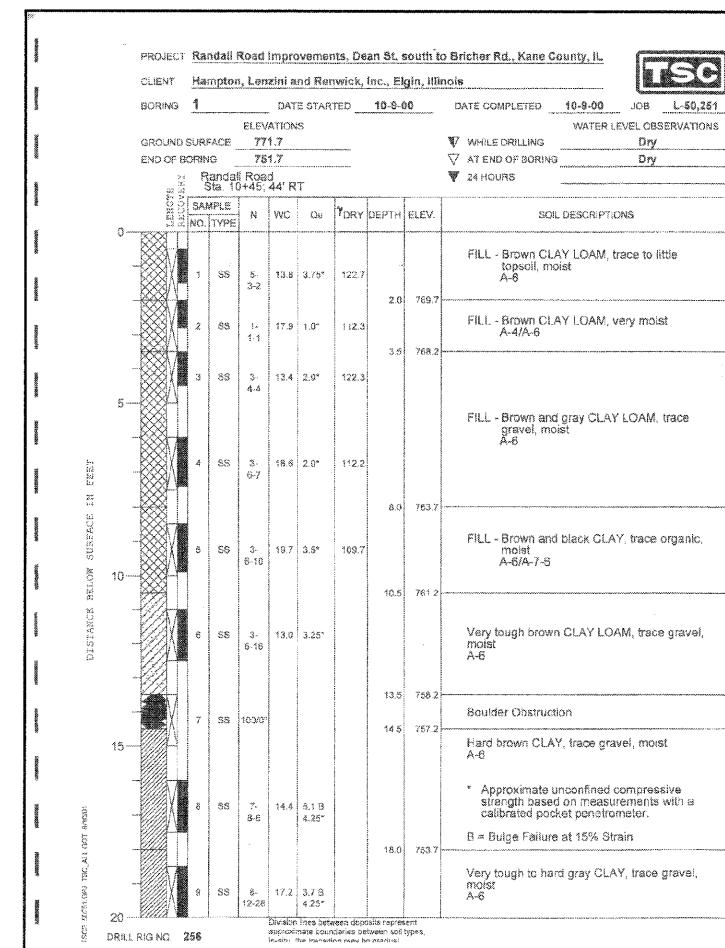
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



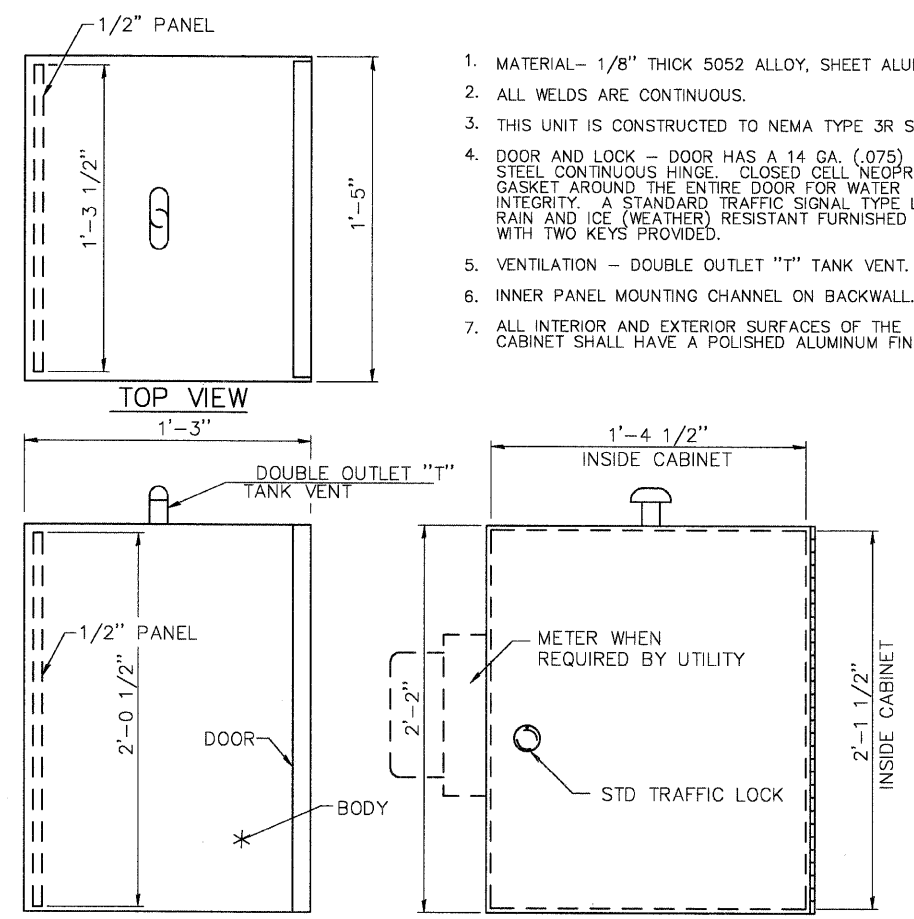
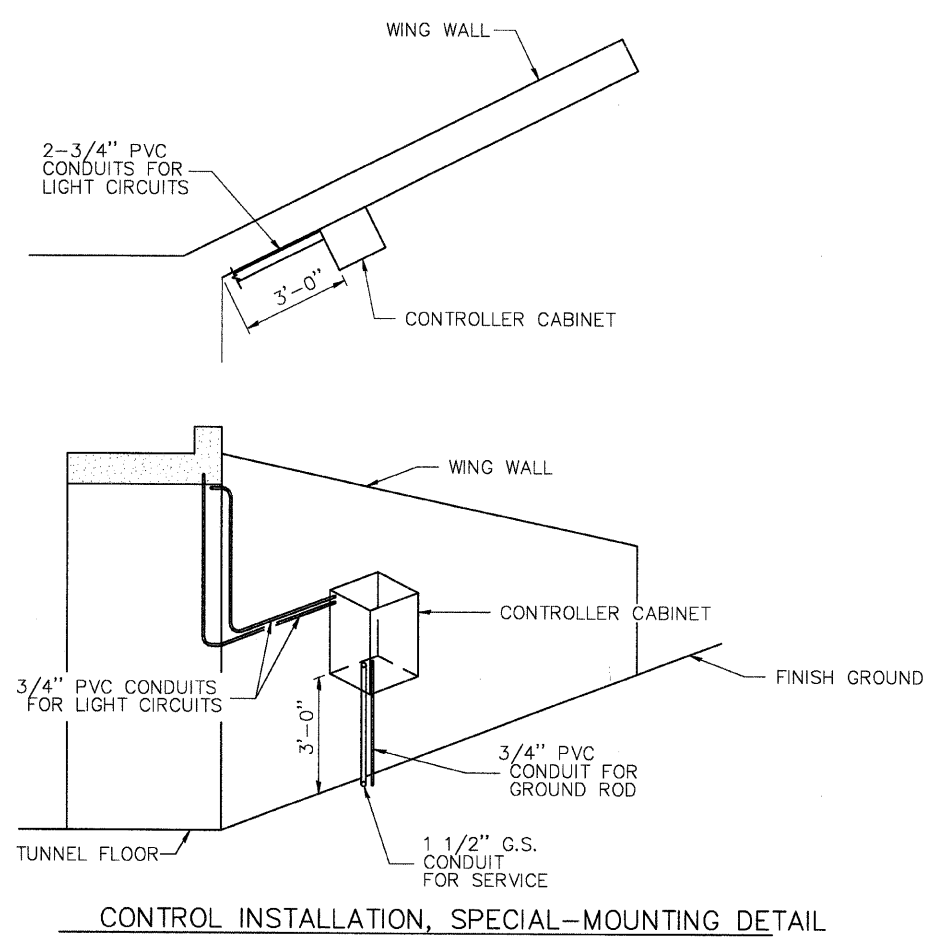
INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
 "B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



BORING LOG #1

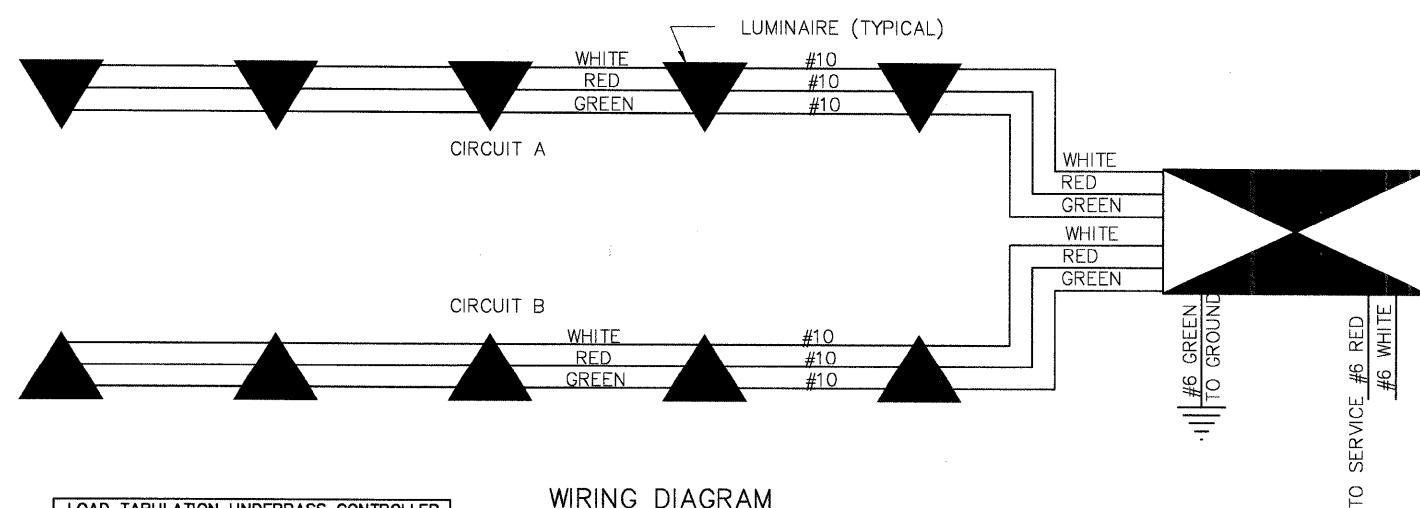
	Rice, Berry and Associates A Division of Hampton, Lenzini and Renwick, Inc. Civil & Structural Engineers 801 S. Durkin Drive Springfield, Illinois 62704 217-546-3400	<p>BAR SPLICER (COUPLER) DETAILS / BORING LOG</p> <p>SECTION 99-00243-00-PV BIKE PATH UNDER RANDALL ROAD KANE COUNTY STATION 11+25</p>
	Account Number 03-05-0181-1 Date: 6-09-04 P.O. Box 1036 DuQuoin, Illinois 62832 618-790-4637	
DESIGNED: P.S.L. CHECKED: J.L.B. DRAWN: D.S.S.		



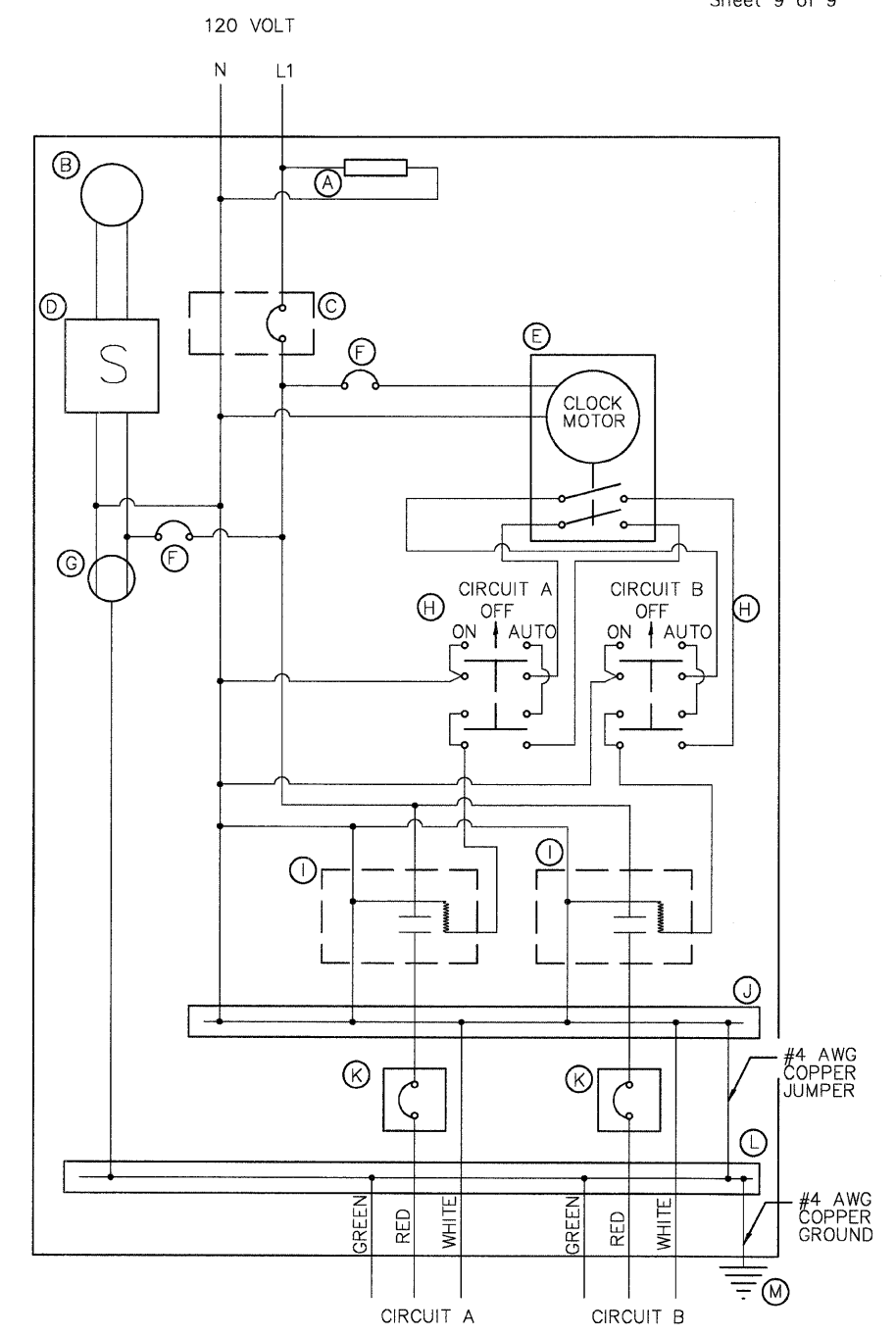
1. MATERIAL - 1/8" THICK 5052 ALLOY, SHEET ALUMINUM.
2. ALL WELDS ARE CONTINUOUS.
3. THIS UNIT IS CONSTRUCTED TO NEMA TYPE 3R STANDARDS.
4. DOOR AND LOCK - DOOR HAS A 14 GA. (.075) STAINLESS STEEL CONTINUOUS HINGE. CLOSED CELL NEOPRENE GASKET AROUND THE ENTIRE DOOR FOR WATER INTEGRITY. A STANDARD TRAFFIC SIGNAL TYPE LOCK, RAIN AND ICE (WEATHER) RESISTANT FURNISHED WITH TWO KEYS PROVIDED.
5. VENTILATION - DOUBLE OUTLET "T" TANK VENT.
6. INNER PANEL MOUNTING CHANNEL ON BACKWALL.
7. ALL INTERIOR AND EXTERIOR SURFACES OF THE CABINET SHALL HAVE A POLISHED ALUMINUM FINISH.

UNDERPASS CONTROL INSTALLATION, SPECIAL ITEMS

- (A) LIGHTNING ARRESTERS
- (B) CABINET LIGHT, 60W INCANDESCENT
- (C) MAIN CIRCUIT BREAKER - MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120V., BOLT-ON TYPE, 30 AMP WITH AN INTERRUPTING CAPACITY OF NOT LESS THAN 10,000 RMS SYMMETRICAL AMPERES AT 120V.
- (D) CABINET LIGHT SWITCH
- (E) TWO CHANNEL ASTRONOMICAL CLOCK
- (F) CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120V. BOLT-ON TYPE 10A. WITH AN INTERRUPTING RATING OF NOT LESS THAN 10,000 RMS SYMMETRICAL AMPERES AT 120V.
- (G) DUPLEX RECEPTACLE
- (H) SELECTOR SWITCHES - ON/OFF/AUTOMATIC
- (I) CONTROL CONTACTORS
- (J) NEUTRAL BUS BAR
- (K) BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120V., BOLT-ON TYPE, 10A WITH AN INTERRUPTING RATING OF NOT LESS THAN 10,000 RMS SYMMETRICAL AMPERES AT 120V.
- (L) GROUND BUS BAR
- (M) GROUND ROD



LOAD TABULATION UNDERPASS CONTROLLER		
CIRCUIT	WATTS	AMPS
A	350	2.9
B	350	2.9
TOTAL	700	5.8



NOTE: TO PROVIDE THE REQUIRED LIGHTING LEVELS, ONE CIRCUIT SHALL BE SET TO "ON" AND THE OTHER CIRCUIT SET TO "AUTO" WITH THE ASTRONOMICAL CLOCK PROGRAMMED TO TURN ON AT SUNRISE AND OFF AT SUNSET. THE SWITCHES CAN BE REVERSED PERIODICALLY TO PROLONG LAMP LIFE.

REVISIONS	
NAME	DATE
PER BEO	10-7-04
PER BEO	12-29-04
REVIEW	

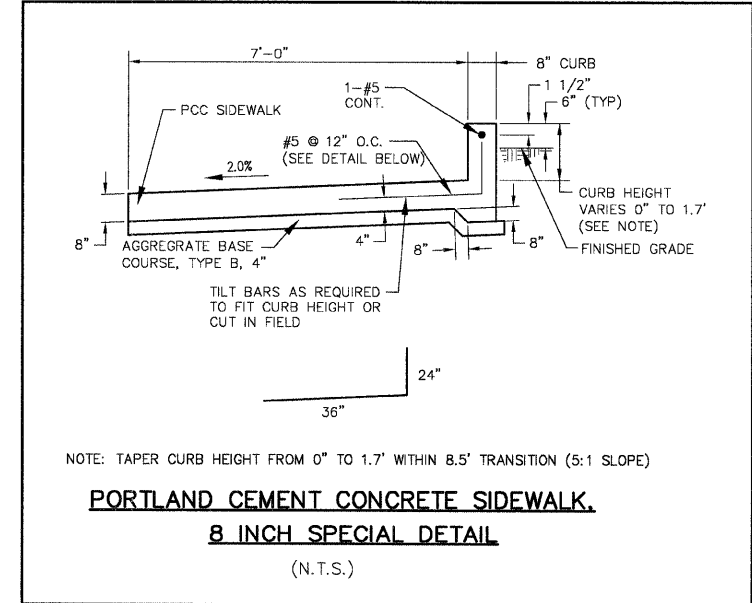
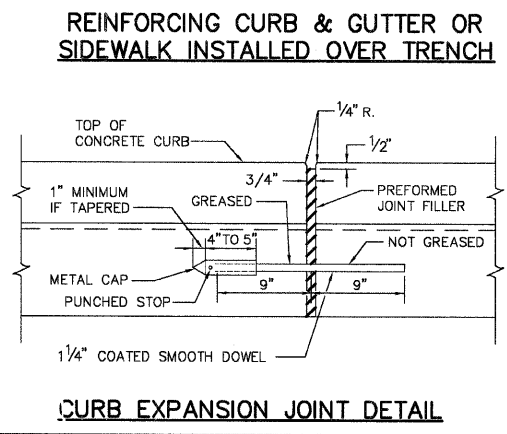
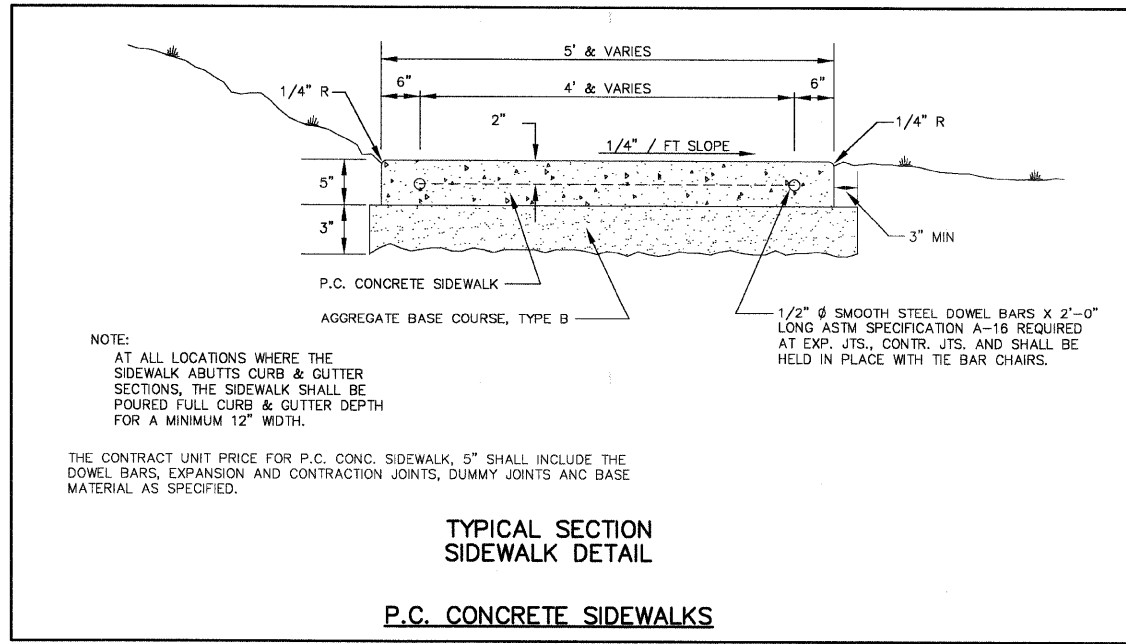
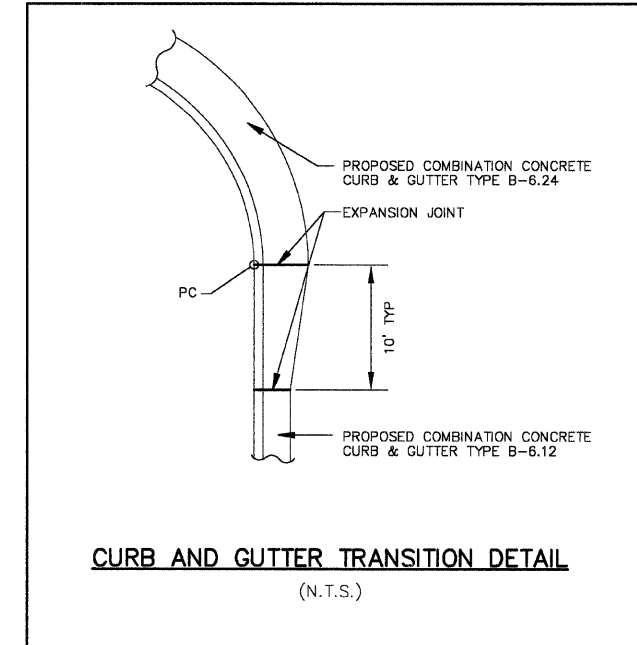
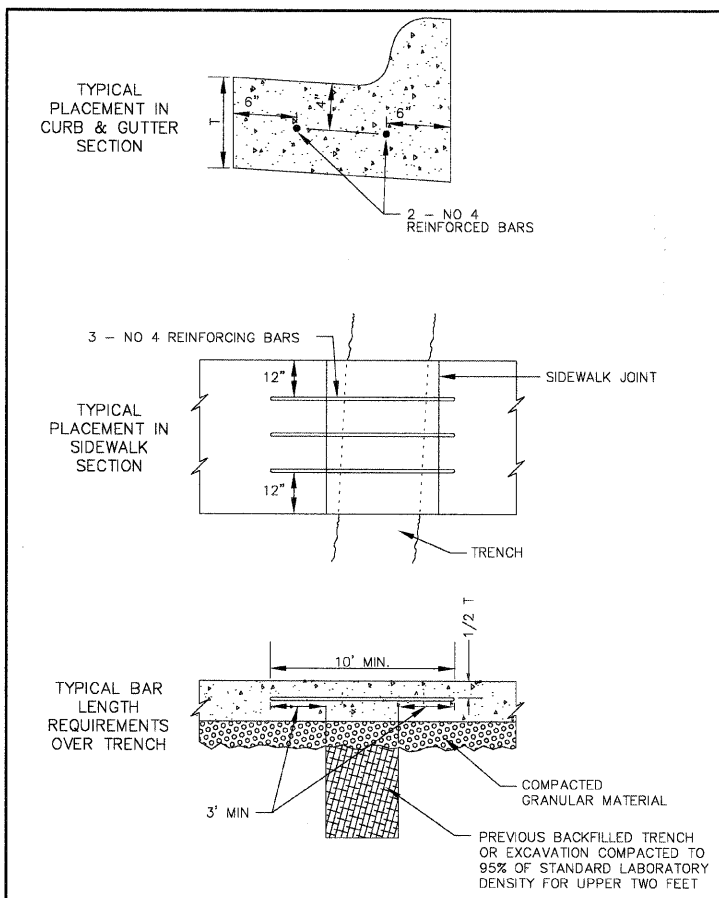
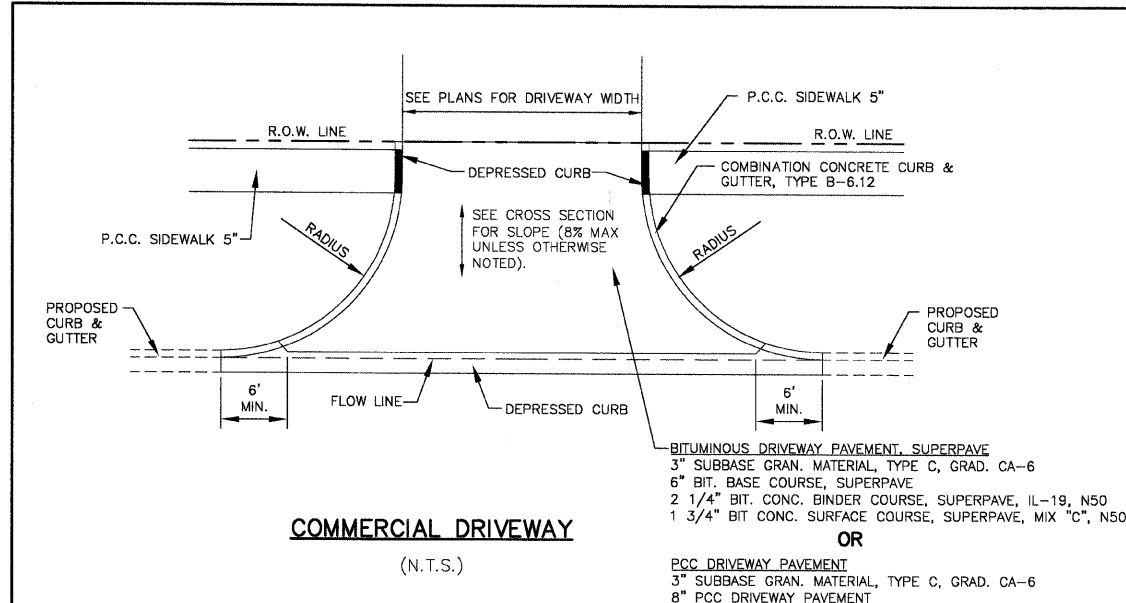
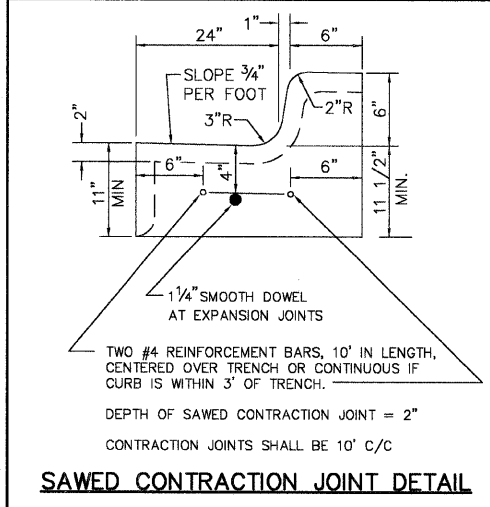
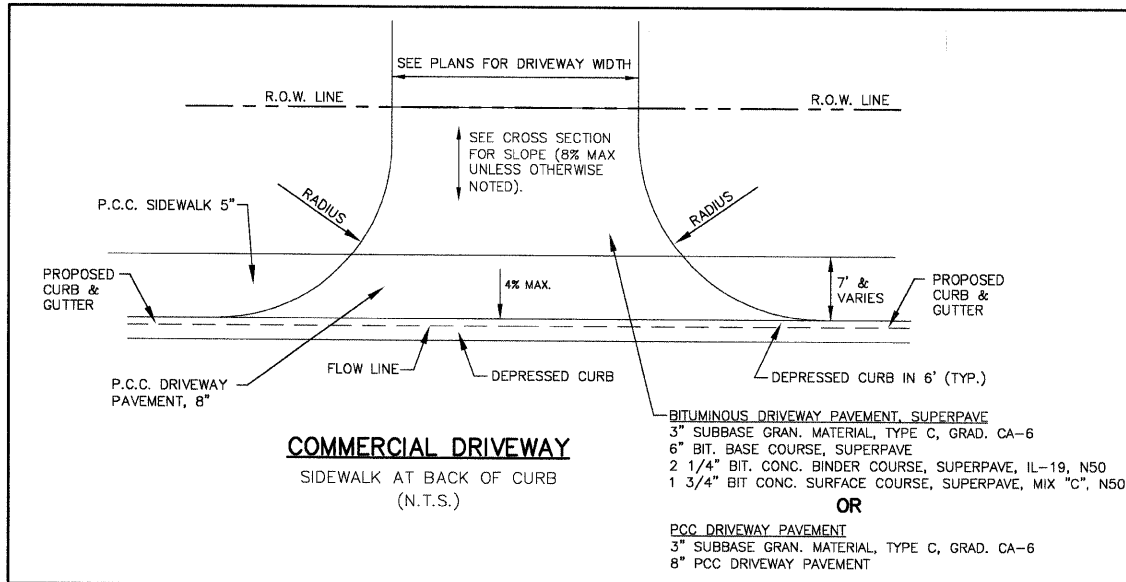
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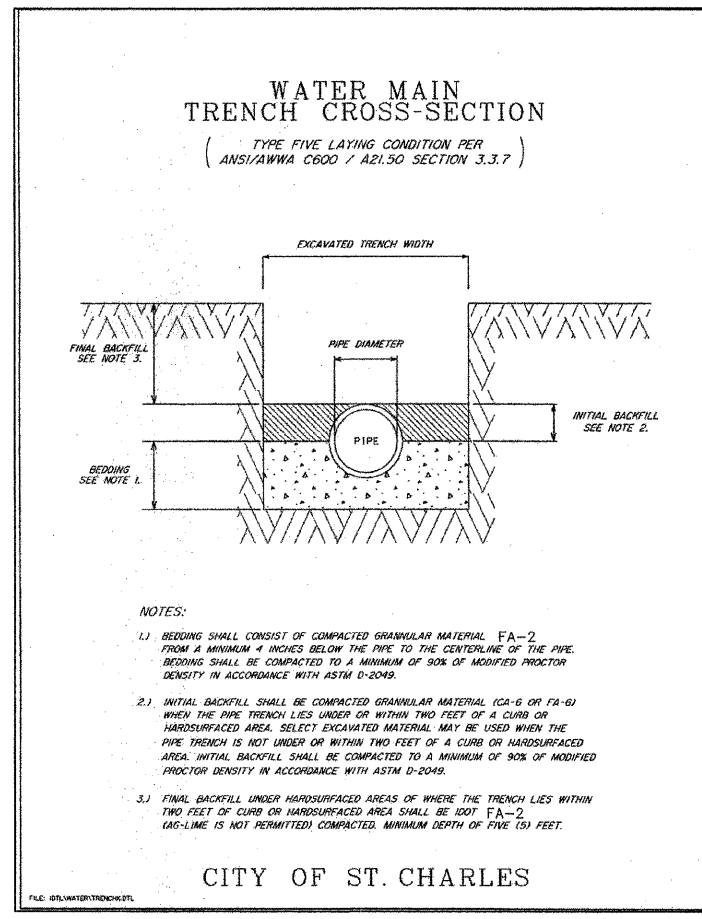
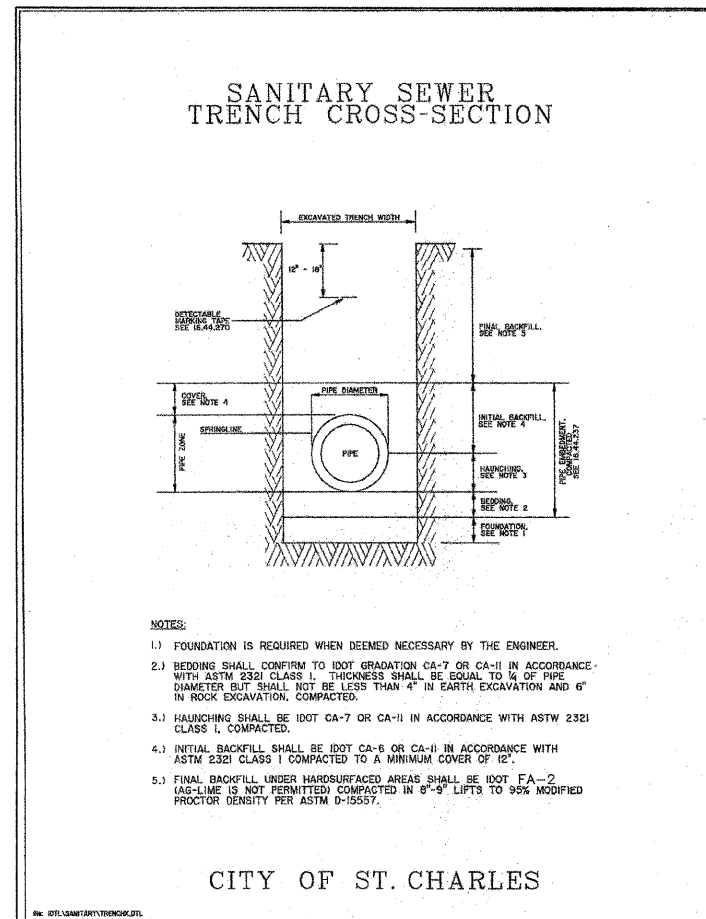
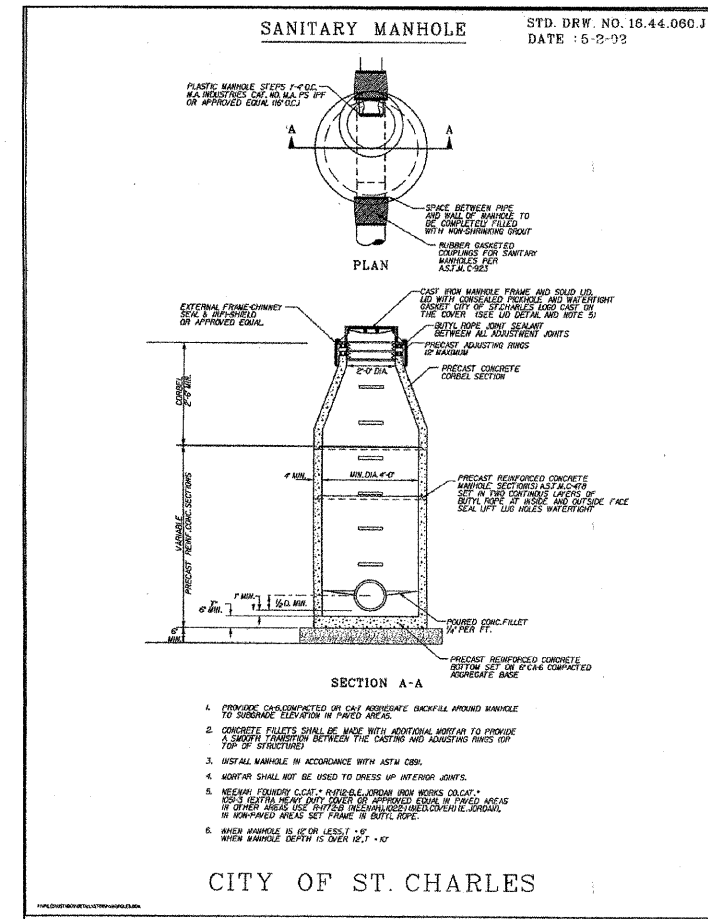
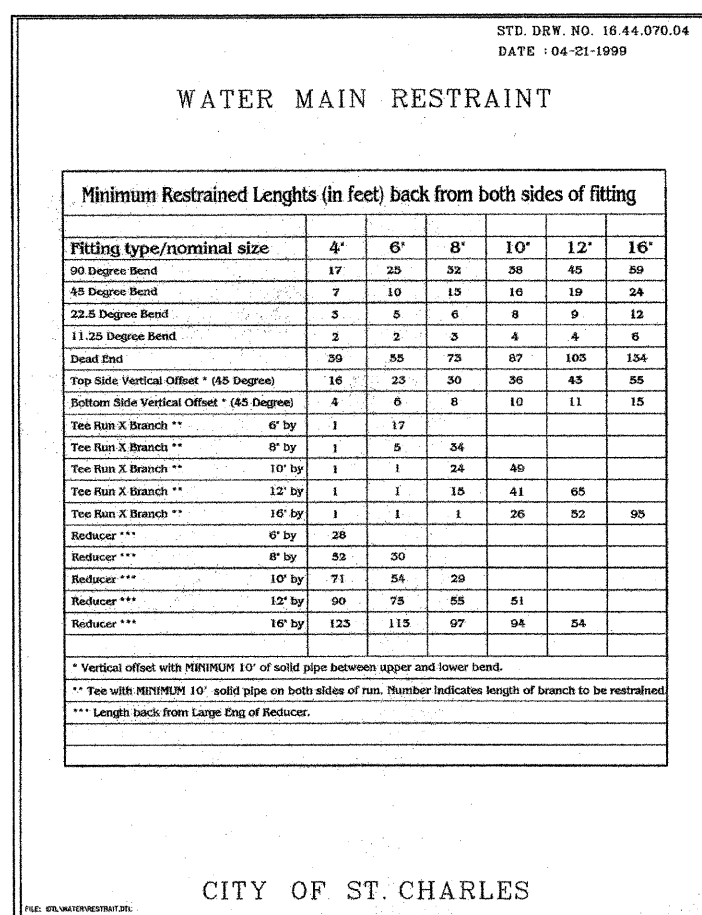
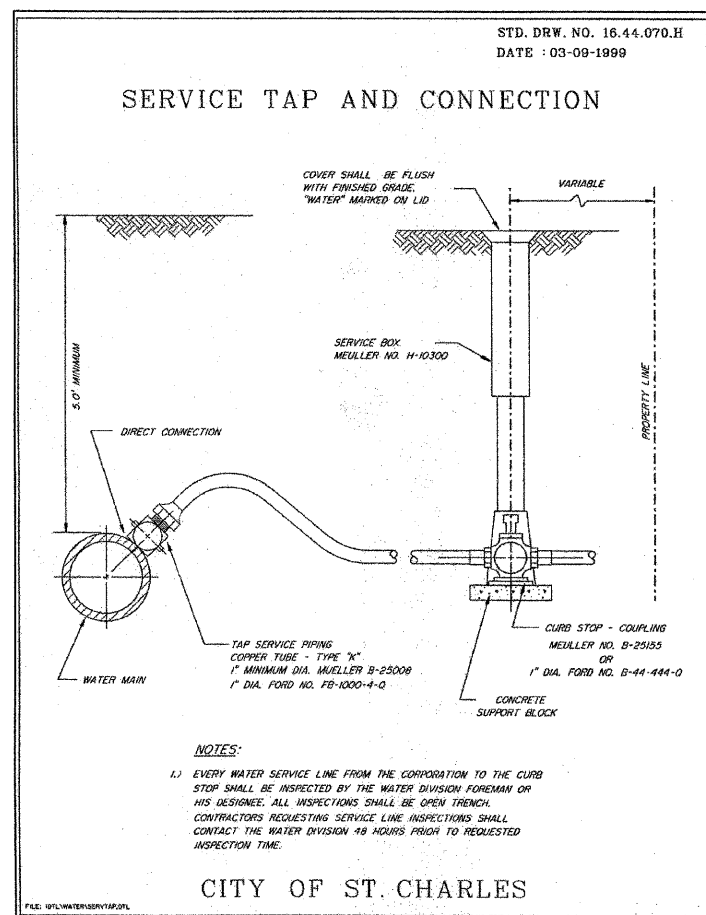
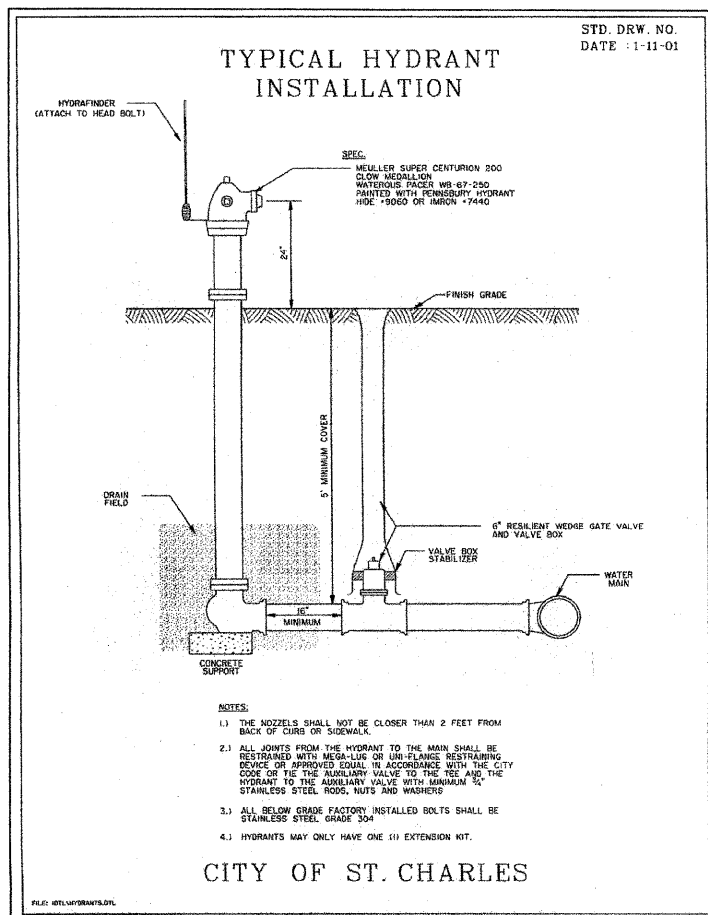
Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil Engineers
Structural Engineers
Land Surveyors
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400

Account Number
03-05-0181-i
Date: 6-09-04

BIKE PATH UNDERPASS
LIGHTING DETAILS
SECTION 99-00243-00-PV
BIKE PATH UNDER RANDALL ROAD
KANE COUNTY

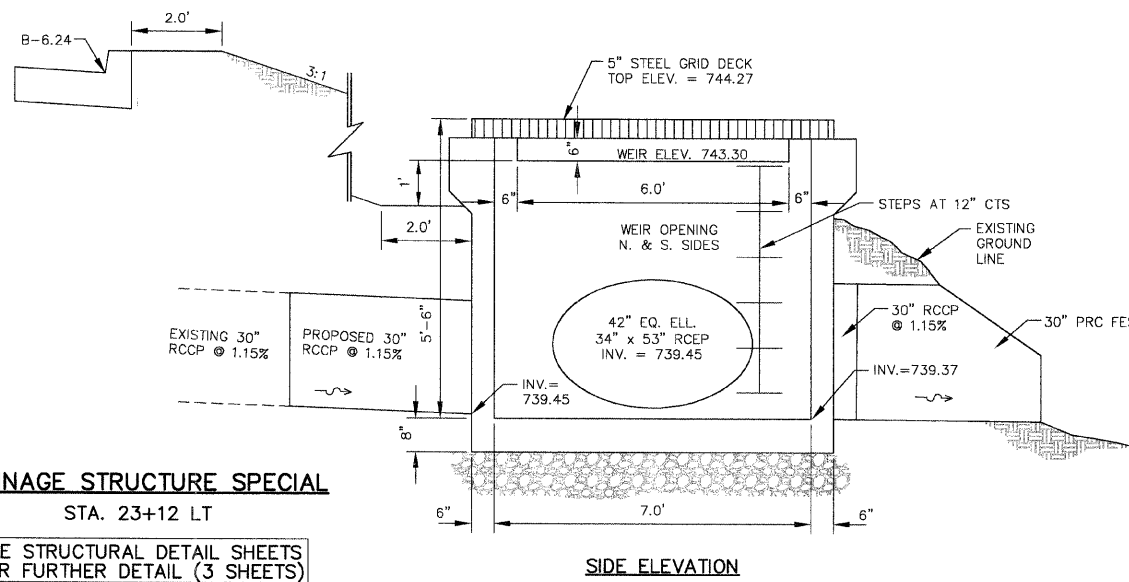
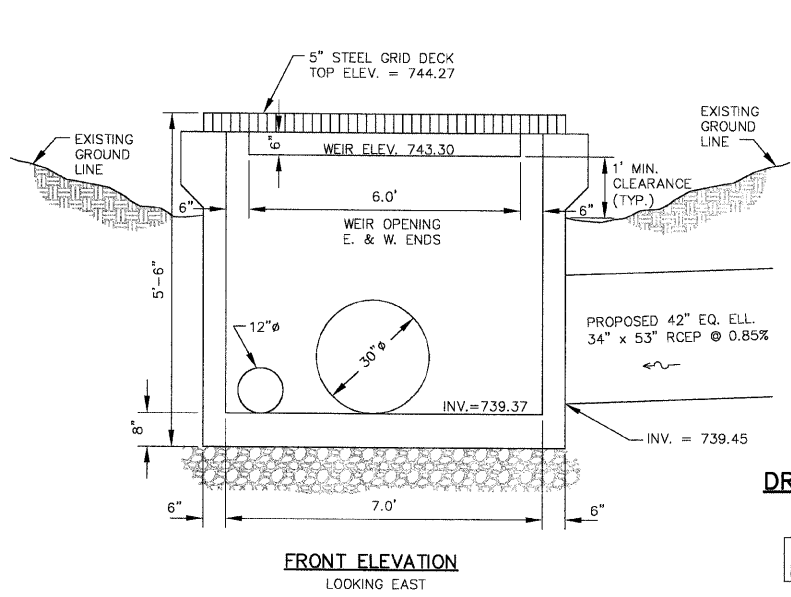
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268 162
CONTRACT NO. 83782		SHTS. NO.	
SPECIAL DETAILS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



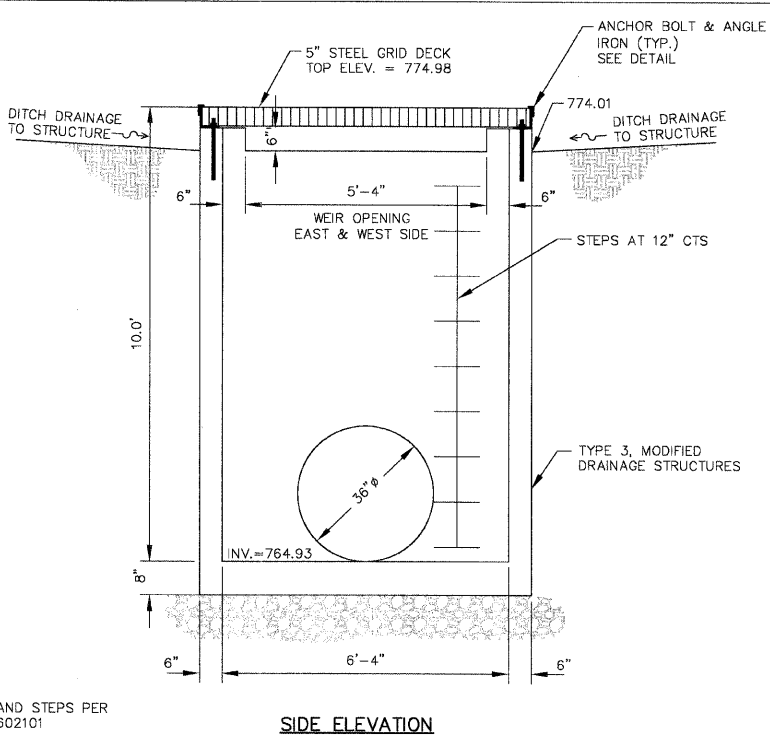
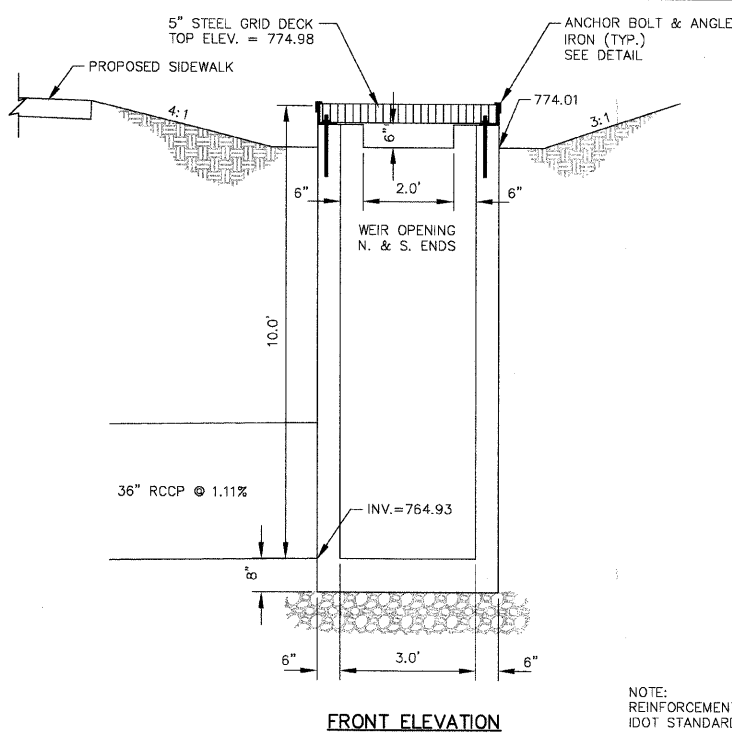
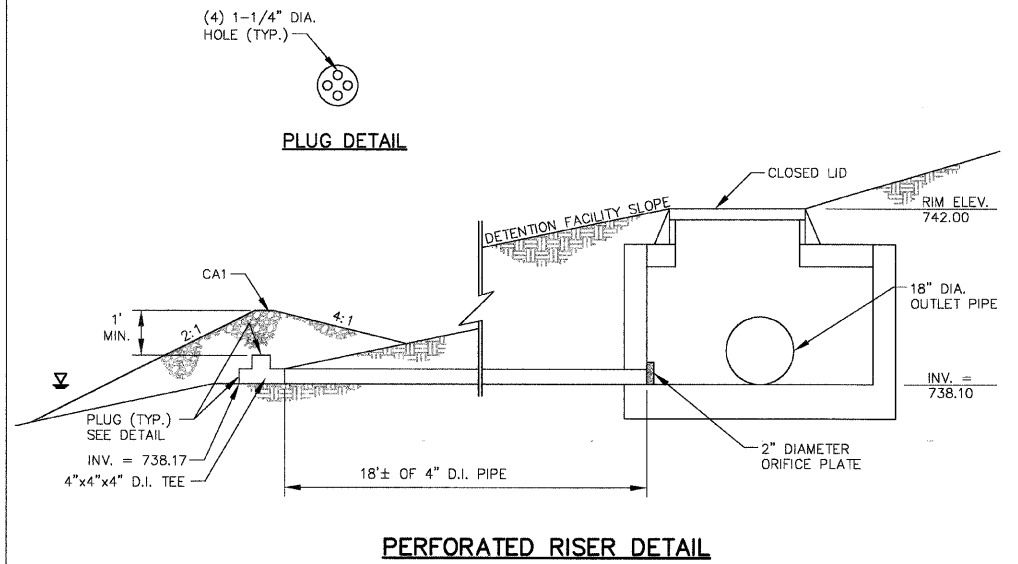


F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
99-00243-00-PV	336	KANE	268
STATE SECTION	83782		164

SPECIAL DETAILS
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)

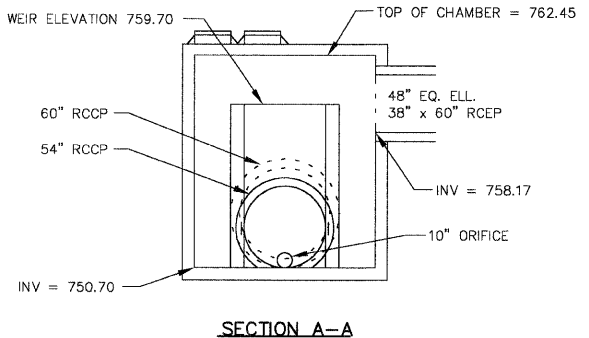
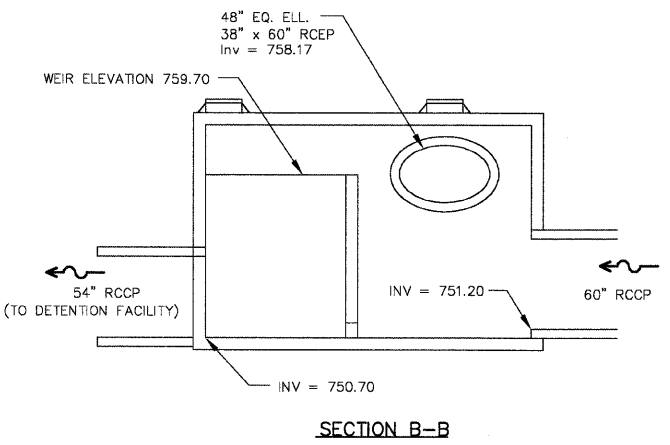
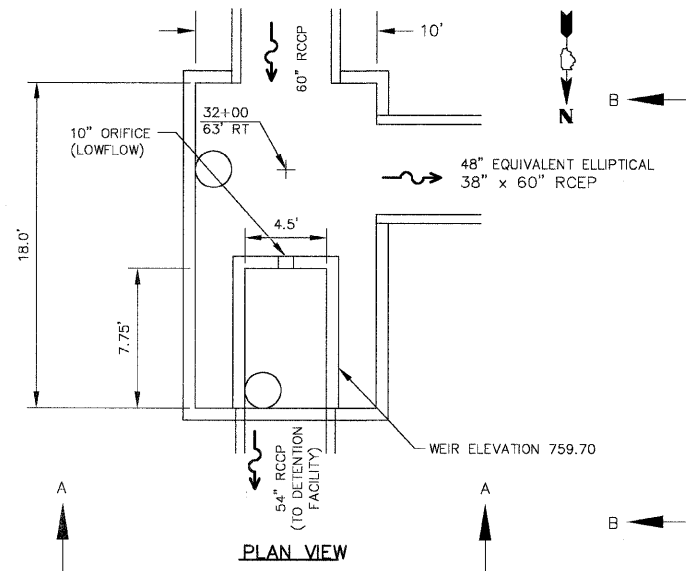


DRAINAGE STRUCTURE SPECIAL
STA. 23+12 LT
SEE STRUCTURAL DETAIL SHEETS FOR FURTHER DETAIL (3 SHEETS)

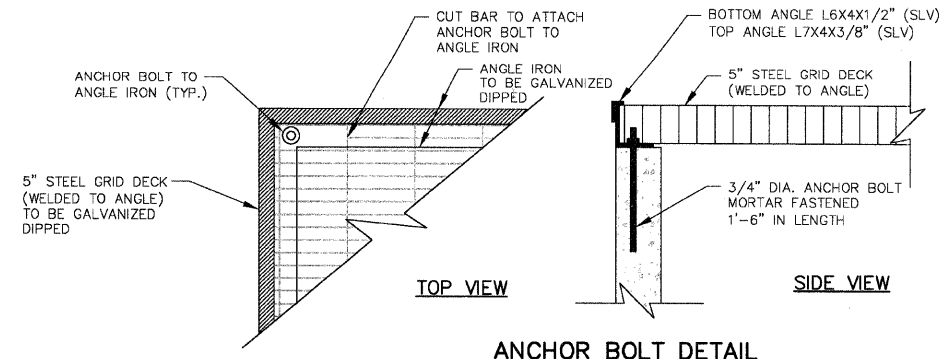


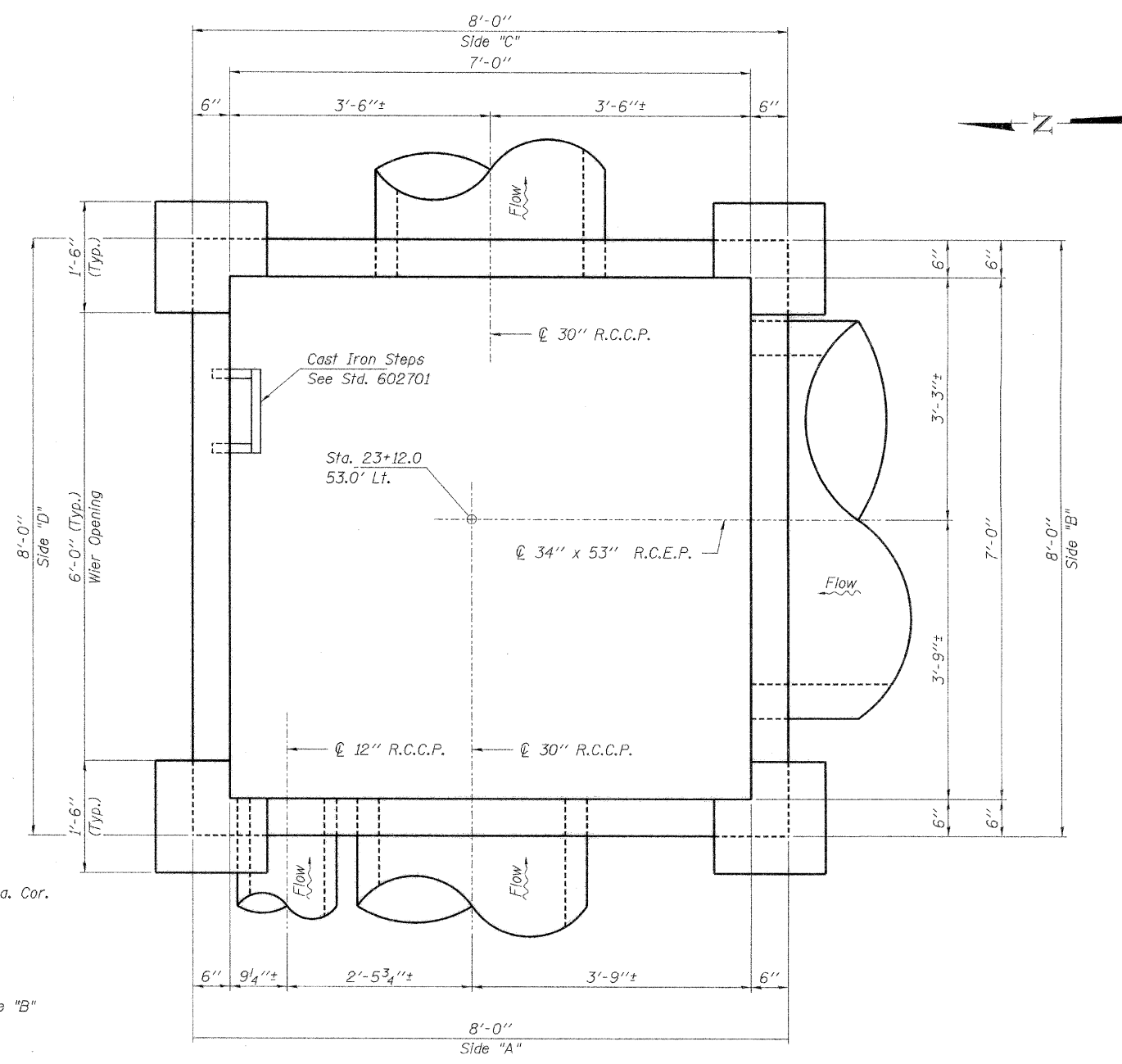
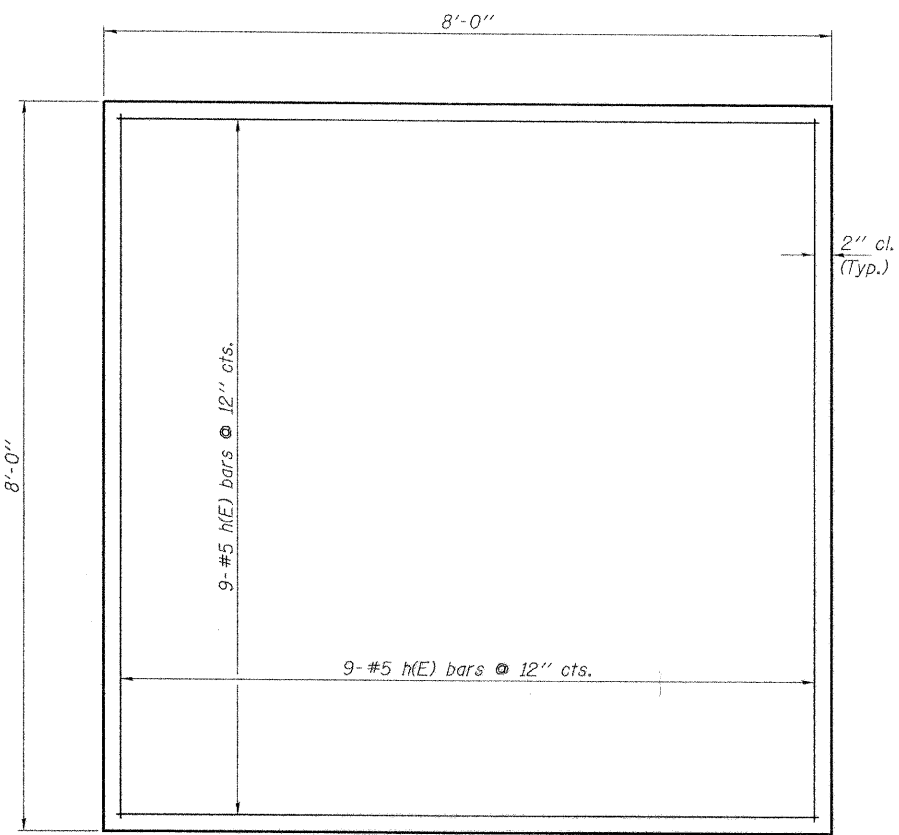
DRAINAGE STRUCTURE, TYPE 3 (MODIFIED)
STA. 44+40 RT

NOTE:
REINFORCEMENT AND STEPS PER
IDOT STANDARD 602101



SPLIT FLOW JUNCTION STRUCTURE
STA. 32+00 RT.
SEE STRUCTURAL DETAIL SHEETS FOR FURTHER DETAIL (3 SHEETS)





GENERAL NOTES

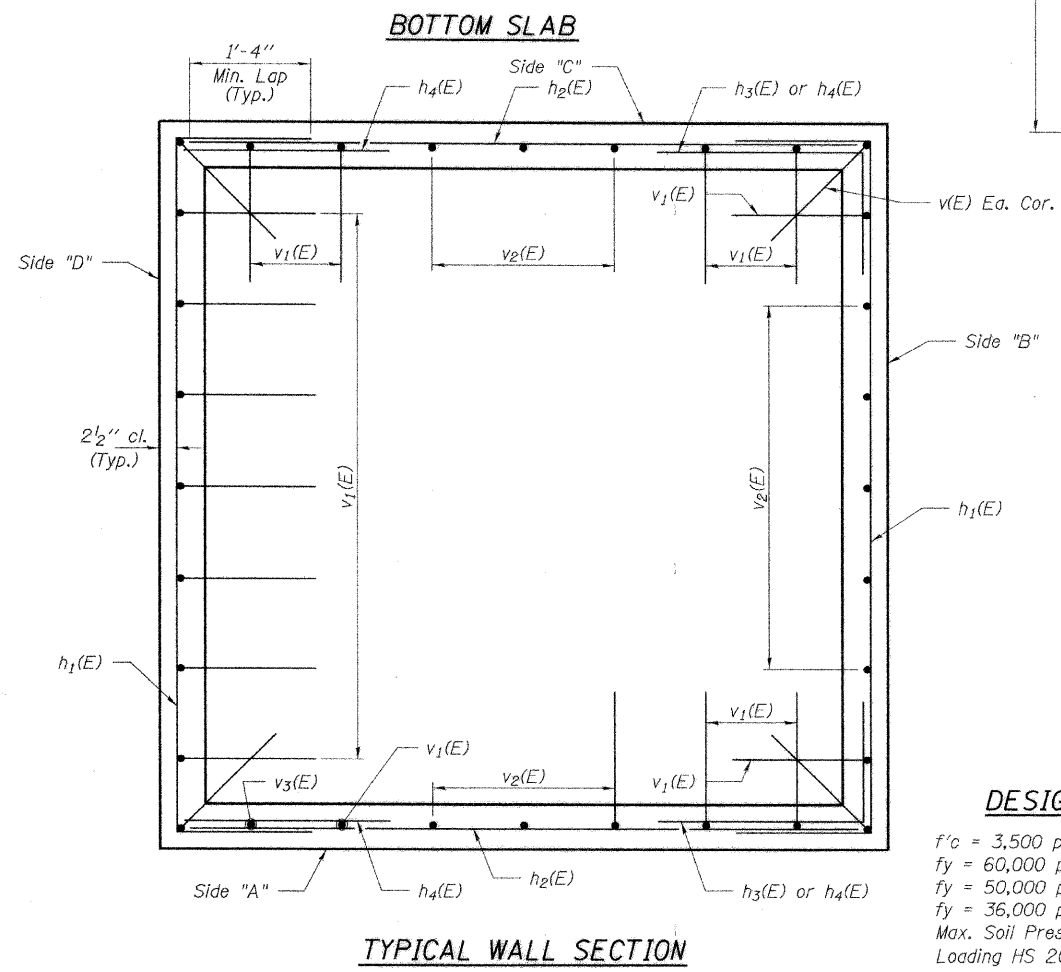
Reinforcement Bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.

All reinforcement bars shall be epoxy coated.

Reinforcement Bars that interfere with concrete pipes shall be bent or cut off to provide adequate clearance, as approved by the Engineer.

Anchor Bolts shall be A307.

Class SI concrete shall be used throughout.



DESIGN STRESSES

f'_c = 3,500 psi
 f_y = 60,000 psi (Reinforcement Bars)
 f_y = 50,000 psi (WT Section)
 f_y = 36,000 psi (L Section)
 Max. Soil Pressure under footing = 0.9 ksf
 Loading HS 20-44

Steven W. Megettinson 1-11-05
 ILLINOIS STRUCTURAL NO. 6064



Expires 11-30-06

HB

Rice, Berry and Associates
 A Division of Hampton, Lenzini and Renwick, Inc.
 Civil & Structural Engineers
 801 S. Durkin Drive
 Springfield, Illinois 62704
 217-546-3400

Account Number 03-05-0181-1
 Date: 01-11-05

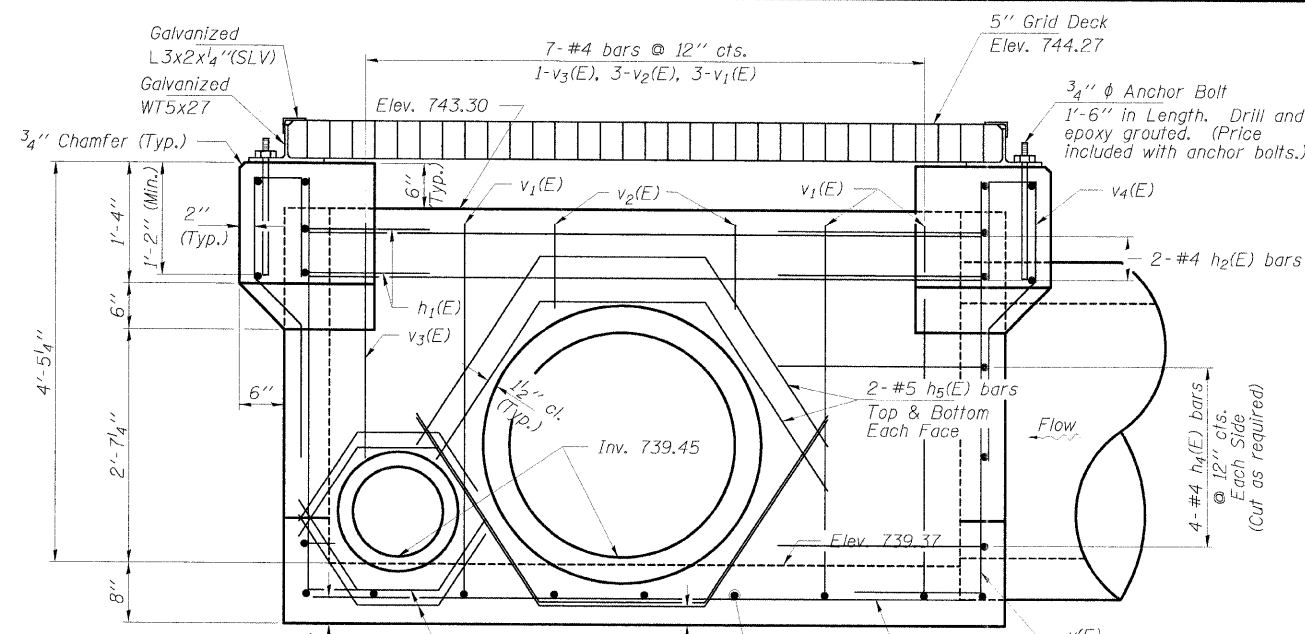
P.O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637

DESIGNED: S.M.S. | CHECKED: S.W.M. | DRAWN: D.B.

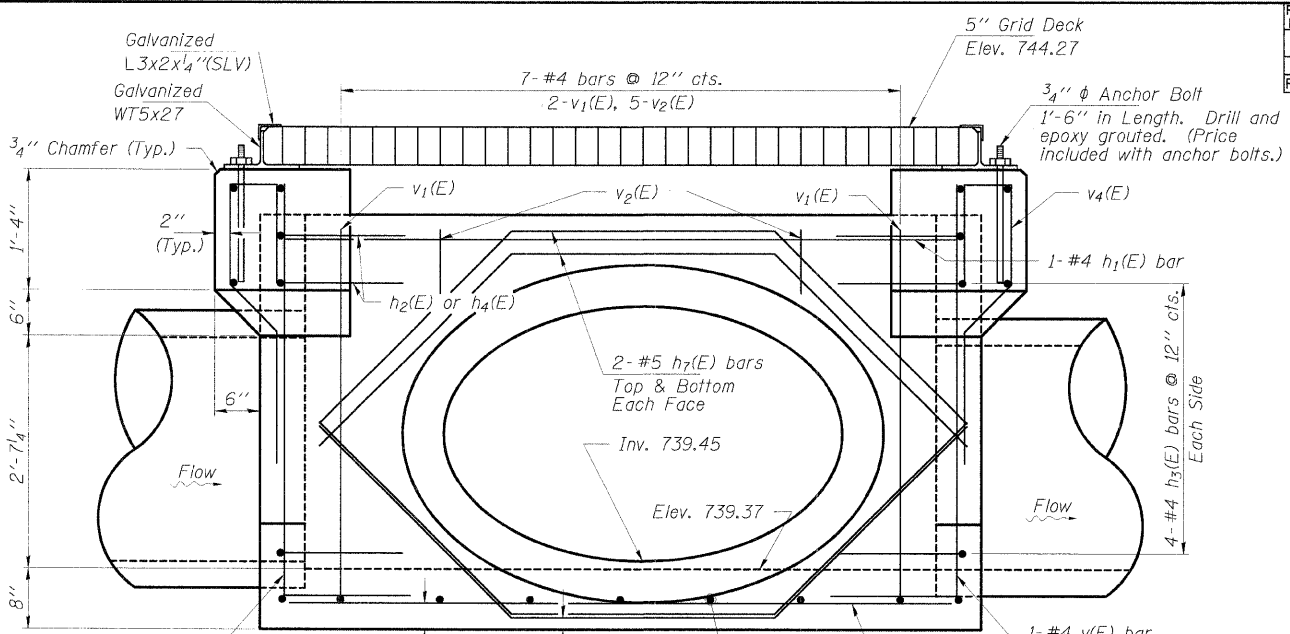
DRAINAGE STRUCTURE SPECIAL

SECTION 99-00243-00-PV

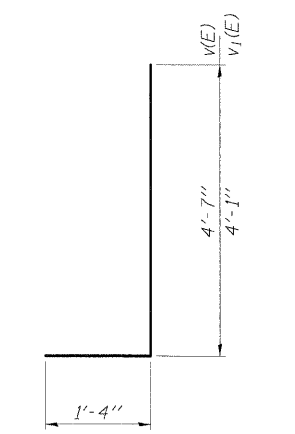
RANDALL ROAD
 KANE COUNTY
 STATION 23+12



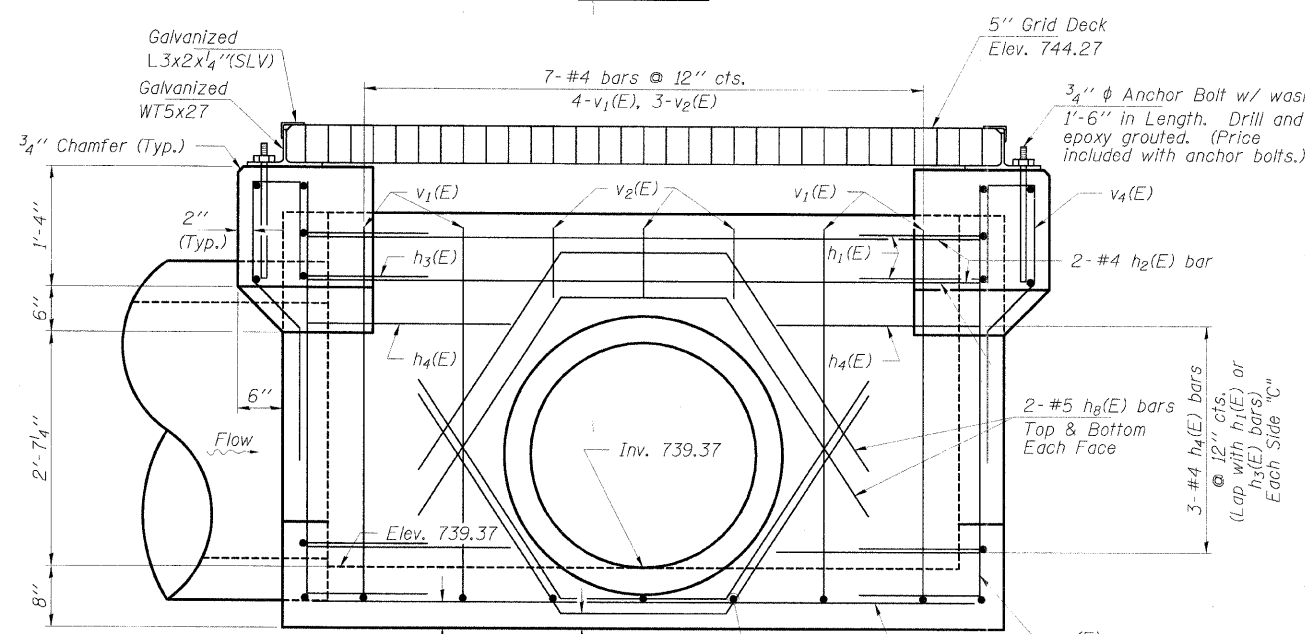
SIDE "A"



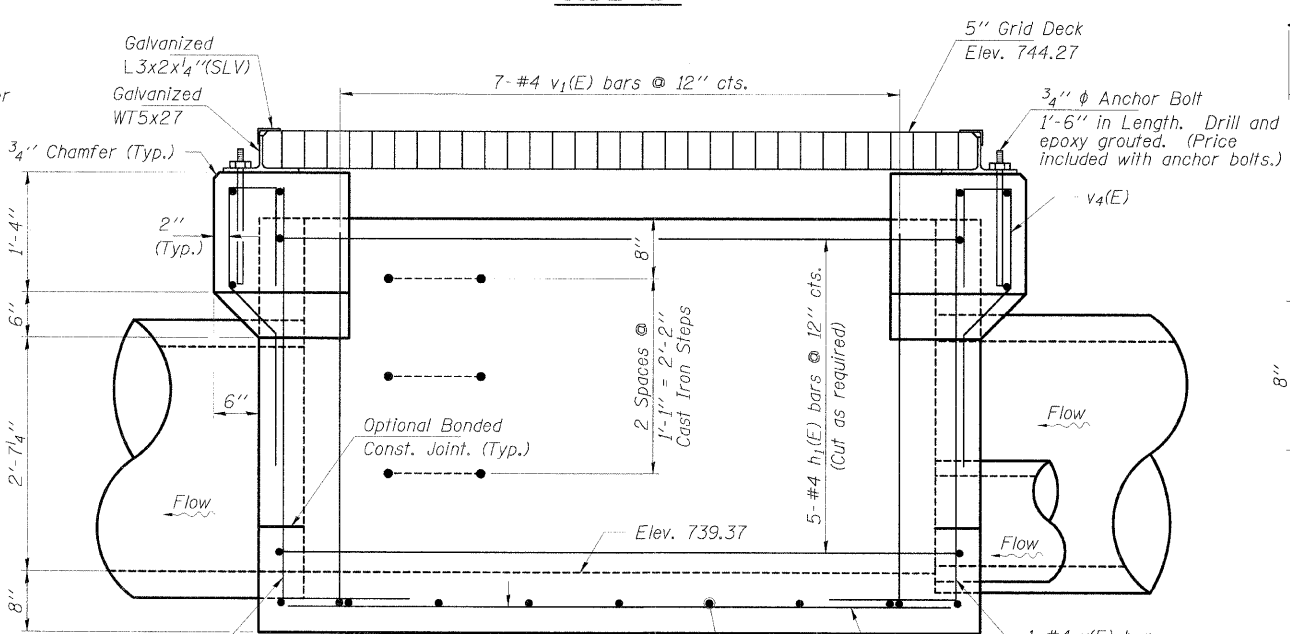
SIDE "B"



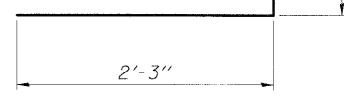
v(E) & v1(E) BARS



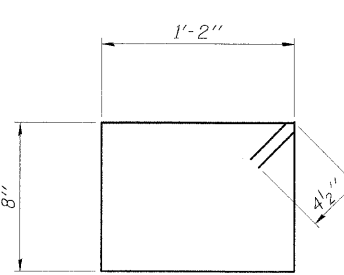
SIDE "C"



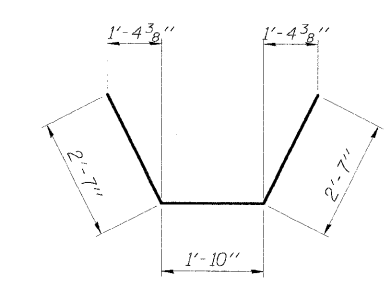
SIDE "D"



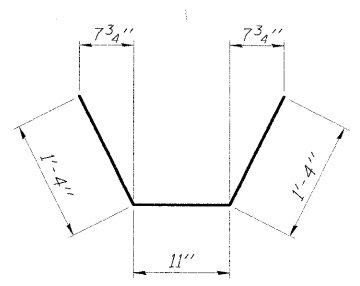
h3(E) BARS



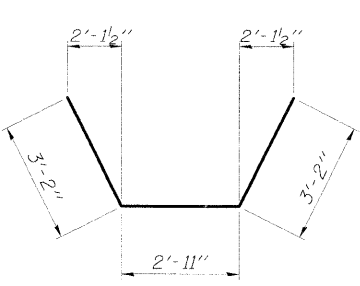
s(E) BAR



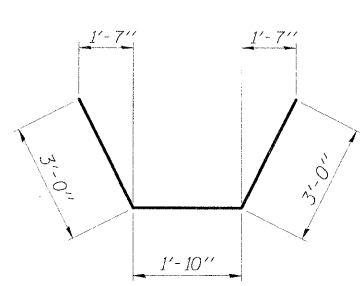
h5(E) BAR



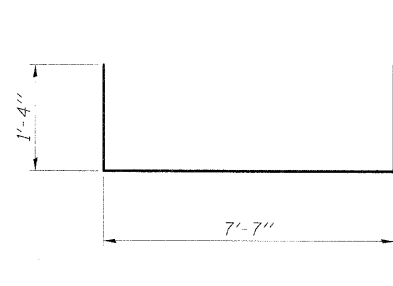
h6(E) BAR



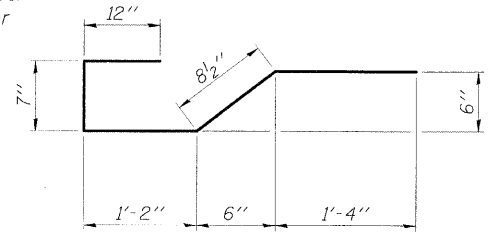
h7(E) BAR



h8(E) BAR



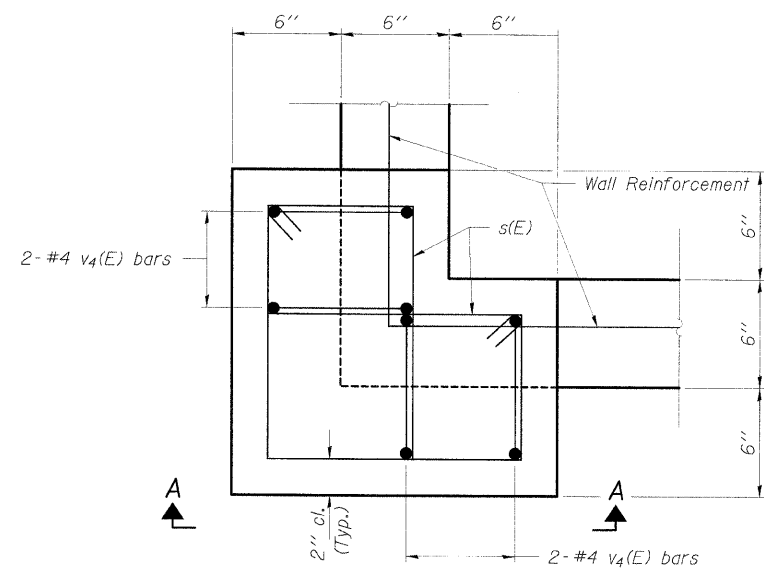
h1(E) BAR



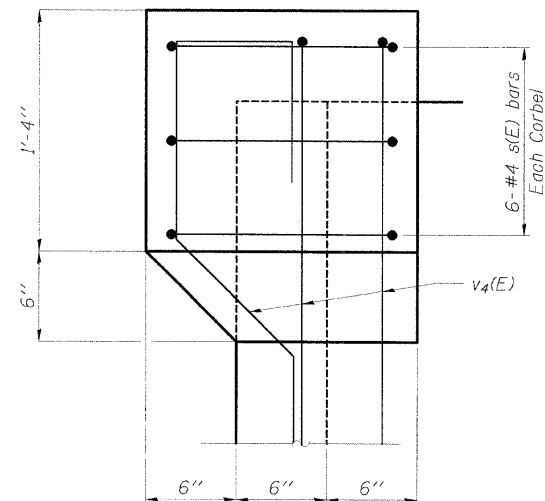
v4(E) BAR

HLR
 Rice, Berry and Associates
 A Division of Hampton, Lonzini and Renwick, Inc.
 Civil & Structural Engineers
 801 S. Durkin Drive
 Springfield, Illinois 62704
 217-546-3400
 P.O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637
 Account Number 03-05-0181-1
 Date: 01-11-05
 DESIGNED: S.M.S. CHECKED: S.W.V. DRAWN: D.B.

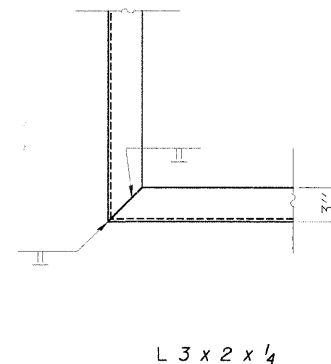
DRAINAGE STRUCTURE SPECIAL
SECTION 99-00243-00-PV
RANDALL ROAD
KANE COUNTY
STATION 23+12



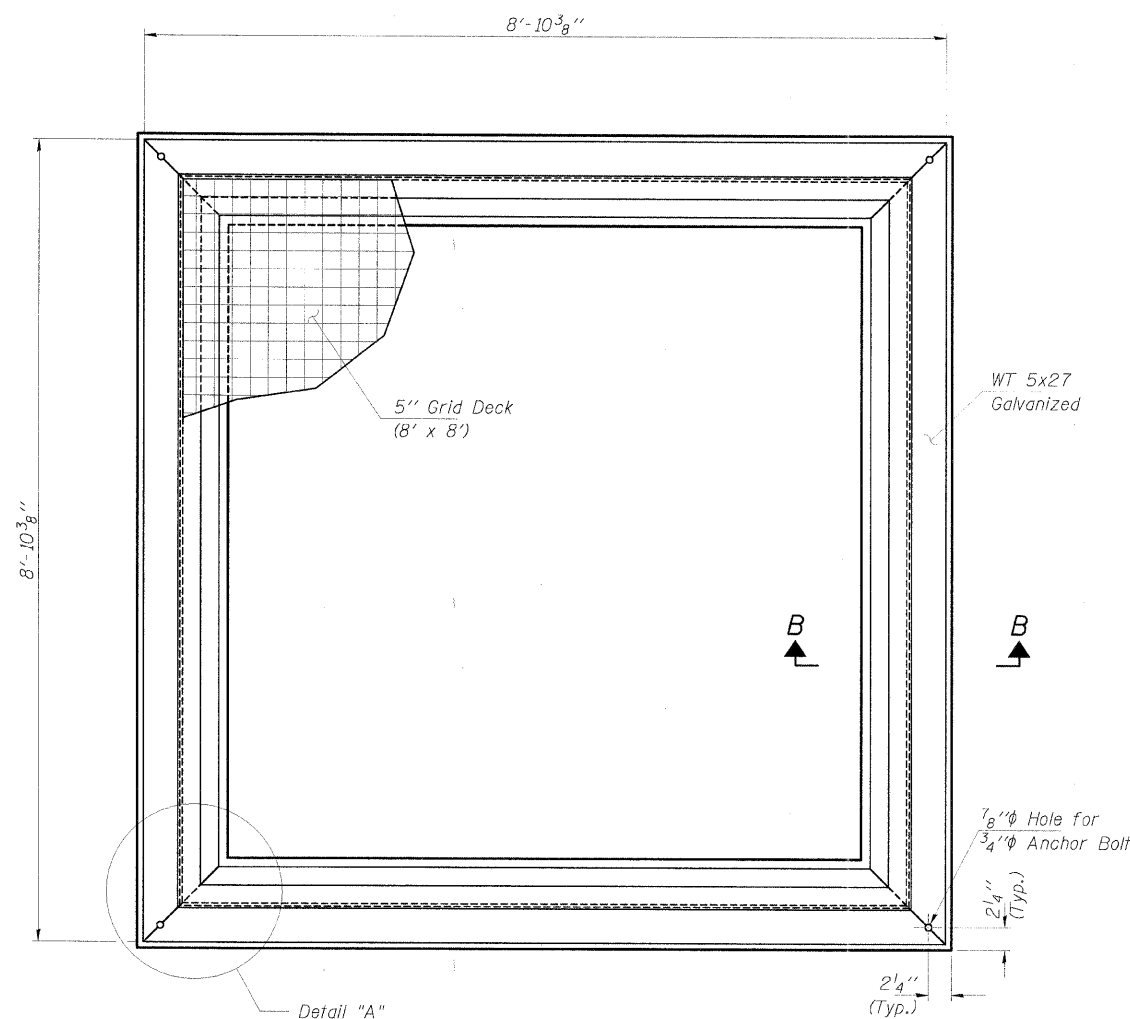
CORBEL DETAIL



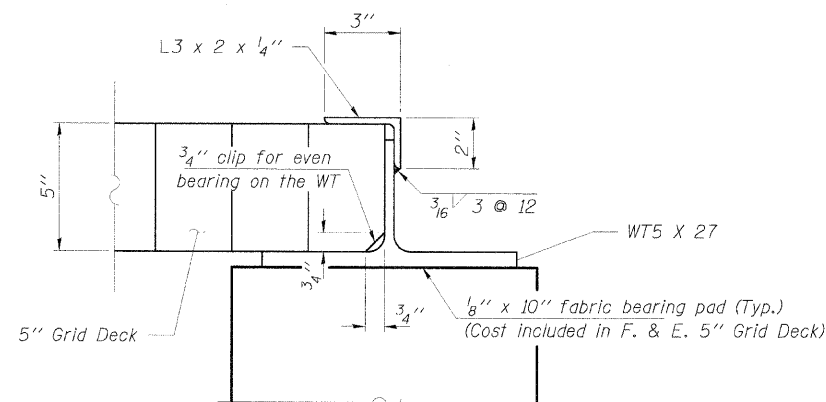
SECTION A-A



DETAIL "A"



GRID DECK ASSEMBLY



SECTION B-B

MIN. BAR LAP
#4 = 1'-4"

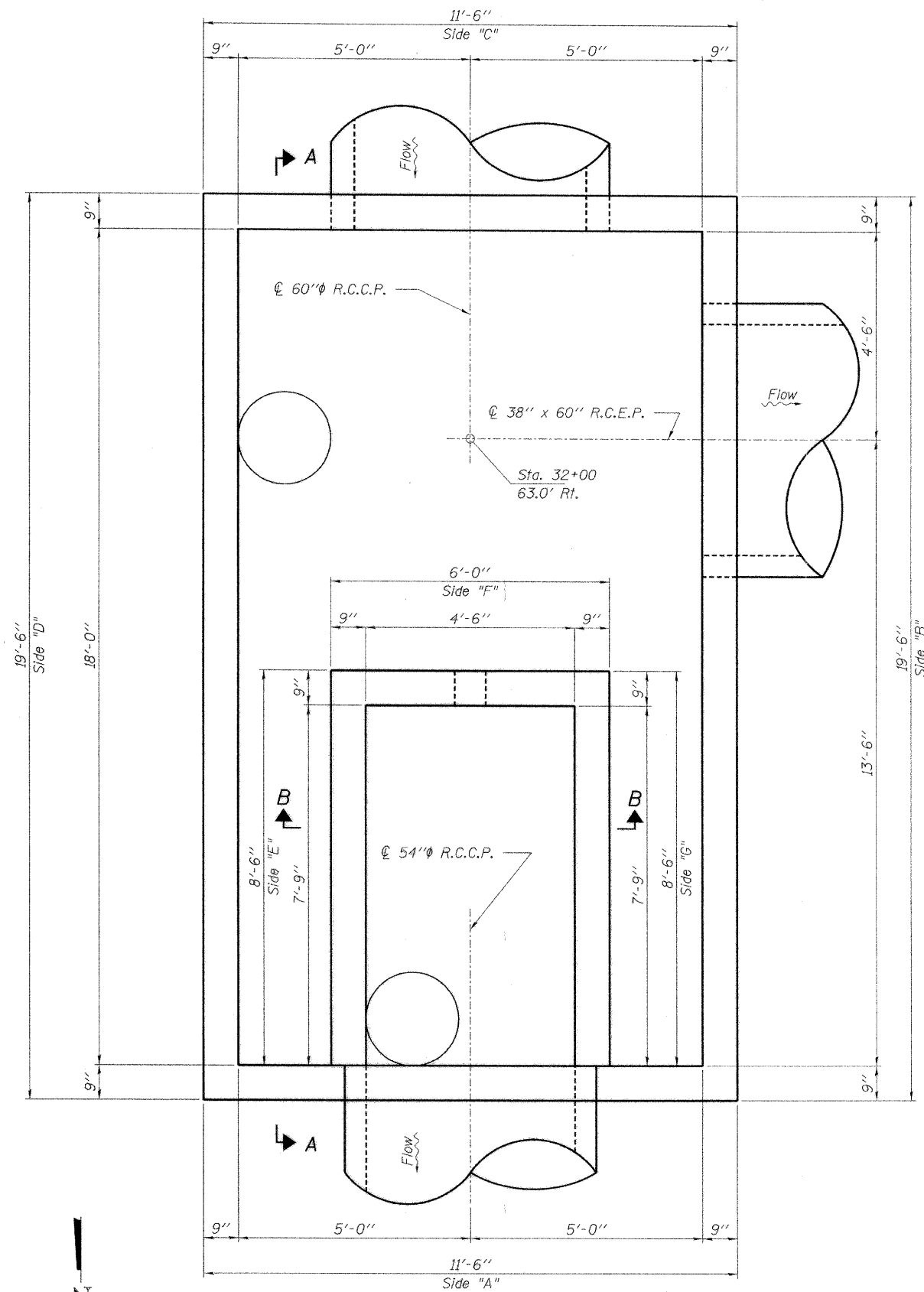
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE	
h(E)	18	#5	7'-8"	—	
h ₁ (E)	6	#4	10'-3"	—	
h ₂ (E)	4	#4	7'-7"	—	
h ₃ (E)	8	#4	3'-7"	—	
h ₄ (E)	14	#4	2'-3"	—	
h ₅ (E)	8	#5	7'-0"	—	
h ₆ (E)	8	#5	3'-7"	—	
h ₇ (E)	8	#5	9'-3"	—	
h ₈ (E)	8	#5	7'-10"	—	
s(E)	24	#4	4'-5"	□	
v(E)	4	#4	5'-11"	—	
v ₁ (E)	16	#4	5'-5"	—	
v ₂ (E)	11	#4	9"	—	
v ₃ (E)	1	#4	2'-6"	—	
v ₄ (E)	16	#4	4'-10"	—	
Concrete Structures				Cu. Yd.	3.6
Reinf. Bars, Epoxy Coated				Pounds	680
Furnishing & Erecting 5" Grid Deck				Sq. Ft.	64
Cast Iron Steps				Each	3

Notes:
 Cast of the WT, angle, anchor bolts, and fabric bearing pad, shall be included in the price of the "F. & E. 5" Grid Deck".
 The grid deck shall conform to the requirements of A.S.T.M. A-709 Grade 50 material. The section shall have a minimum section modulus of 4.2 in³/ft (top and 5.2 in³/ft (bottom).
 Steel Angles shall conform to the requirements of A.A.S.H.T.O. designation M-270 Grade 36. WT shall conform to requirements of A.A.S.H.T.O. Designation M-270 Grade 50.
 Bolts, cap screws, and nuts shall conform to the requirements of A.S.T.M. designation A-307 except for high strength bolts, nuts and washers noted which shall conform to A.A.S.H.T.O. designation M-164.
 All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with A.A.S.H.T.O. designation M-232.
 All WT sections, grid deck, anchor devices and angles shall be galvanized after shop fabrication in accordance with A.S.T.M. A-385 and A.A.S.H.T.O. M-111. Galvanized members shall not be painted.
 All field drilled holes shall be coated with an approved zinc rich paint before erection.

HLR
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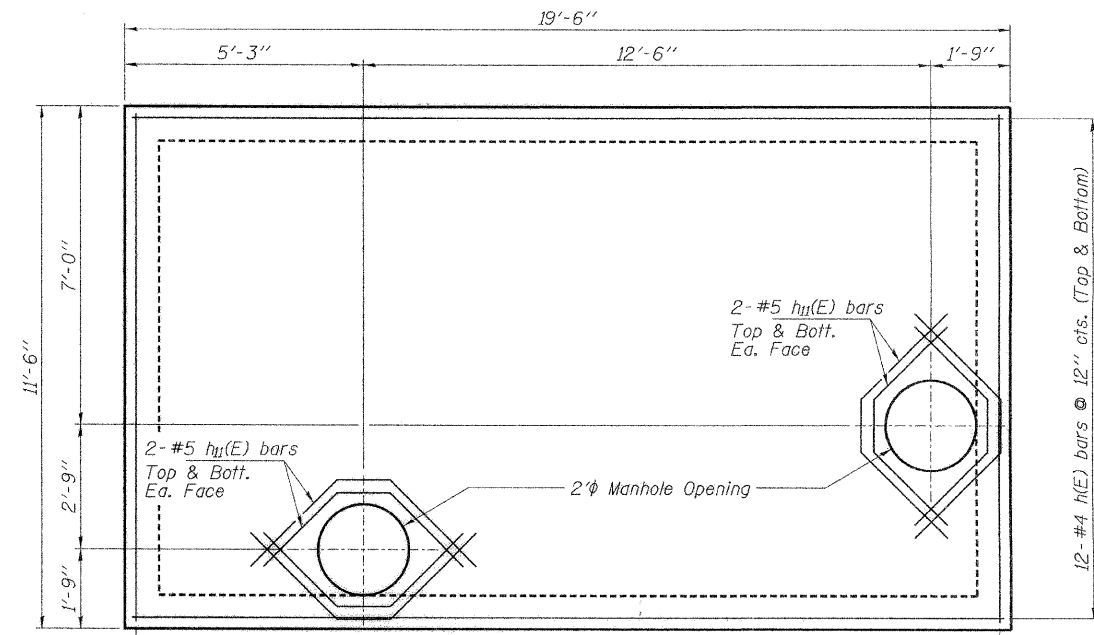
DRAINAGE STRUCTURE SPECIAL
SECTION 99-00243-00-PV
RANDALL ROAD
KANE COUNTY
STATION 23+12



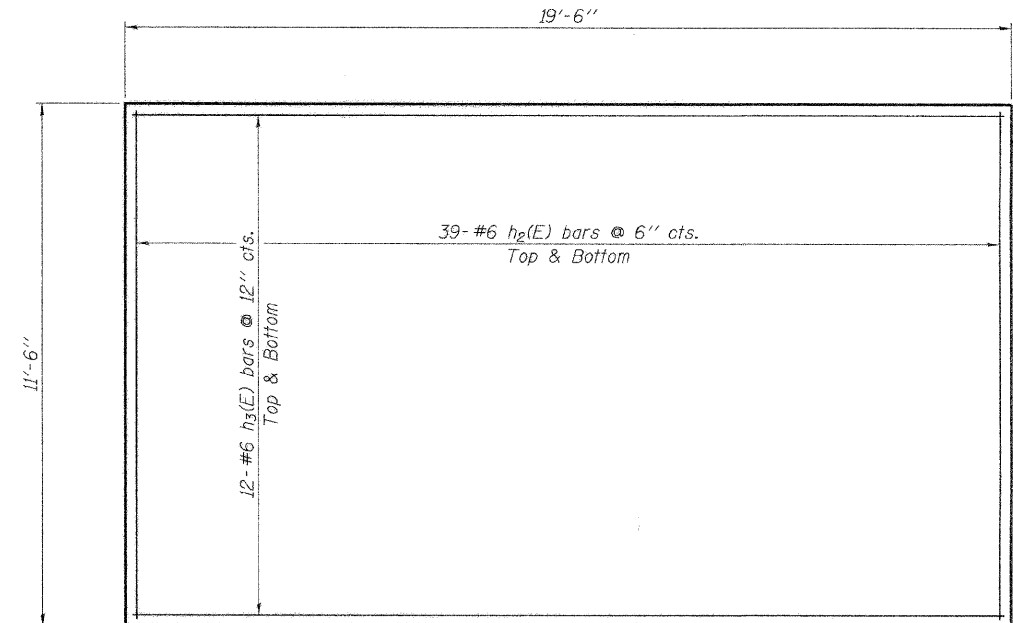
PLAN

DESIGN STRESSES

$f'c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement Bars)
 Max. Soil Pressure under footing = 1.5 ksf
 Loading HS 20-44



TOP SLAB



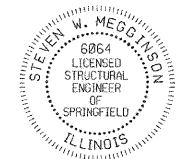
BOTTOM SLAB

GENERAL NOTES

Reinforcement Bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
 All reinforcement bars shall be epoxy coated.
 Reinforcement Bars that interfere with concrete pipes shall be bent or cut off to provide adequate clearance, as approved by the Engineer.
 Class SI Concrete shall be used throughout.



Steven W. Meggison 1-11-05
 ILLINOIS STRUCTURAL NO. 6064



Expires 11-30-06

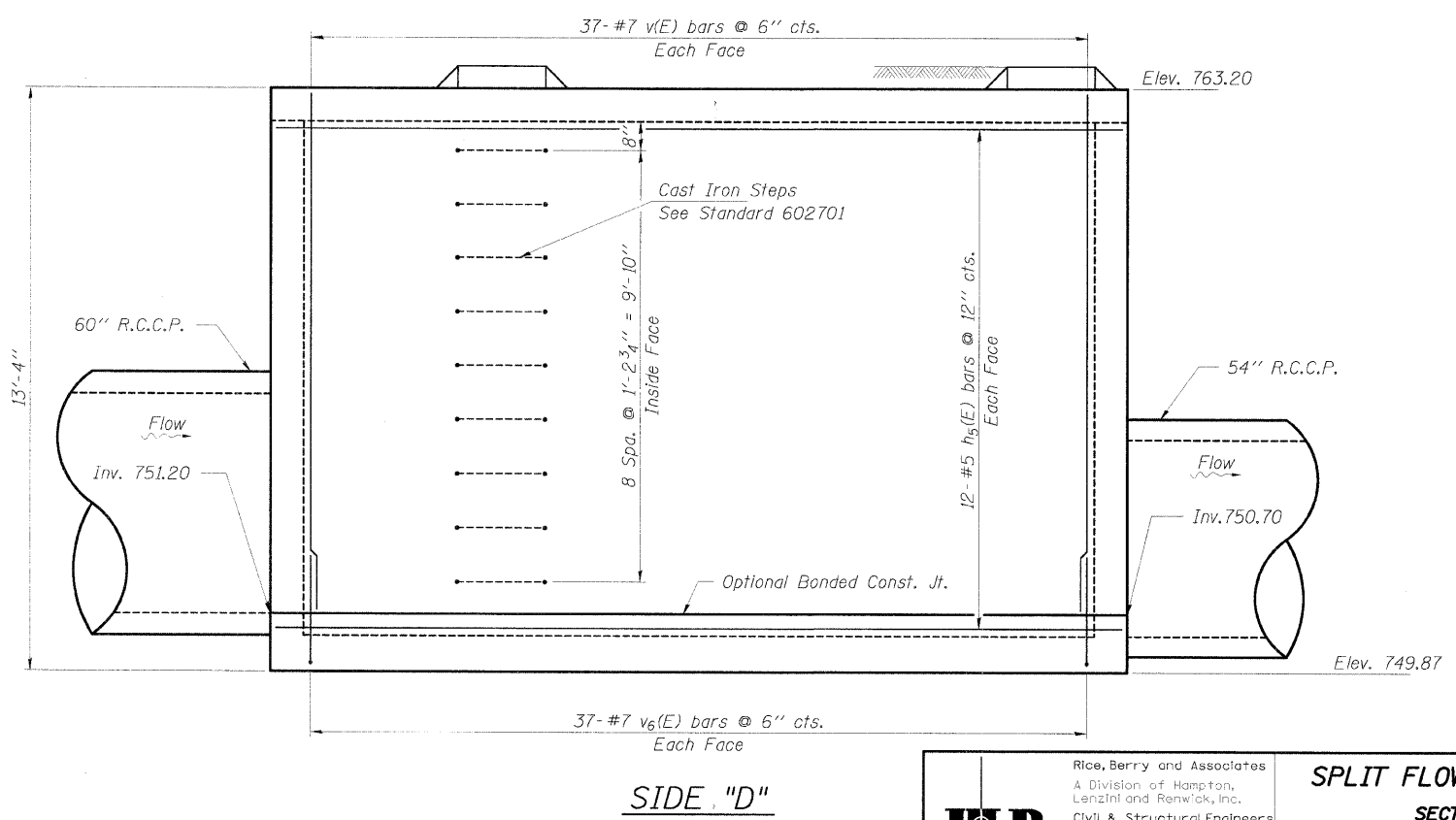
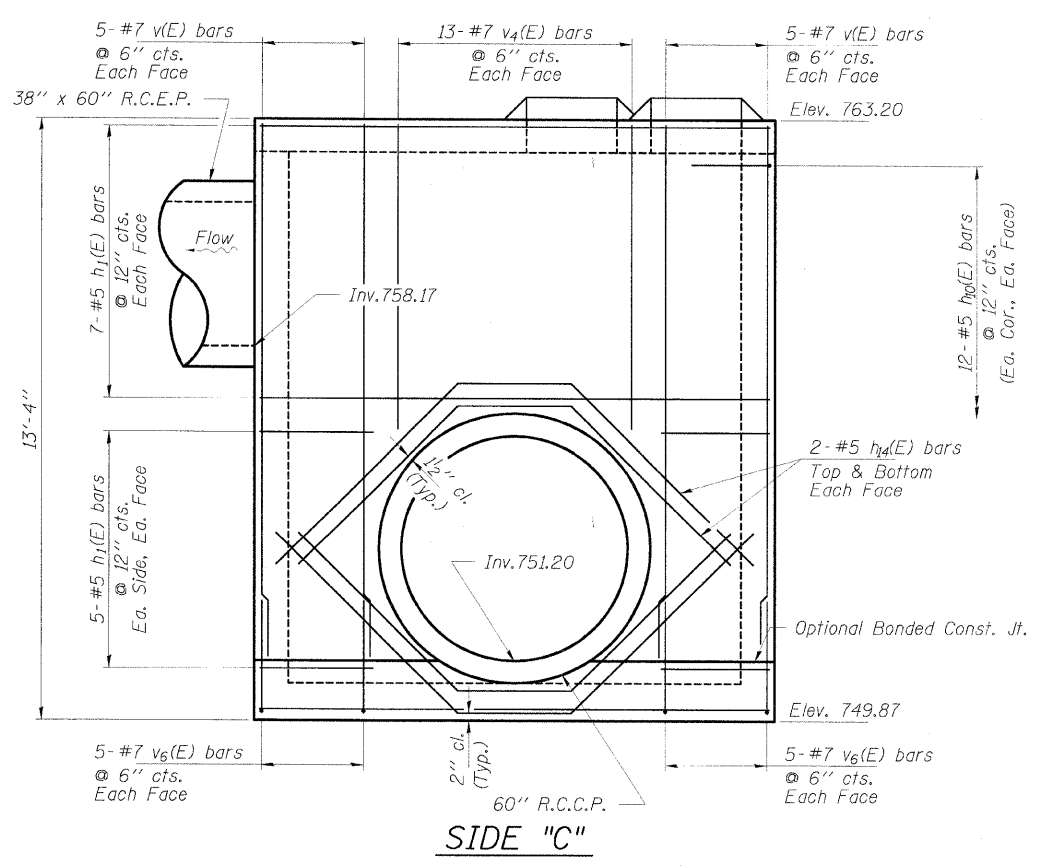
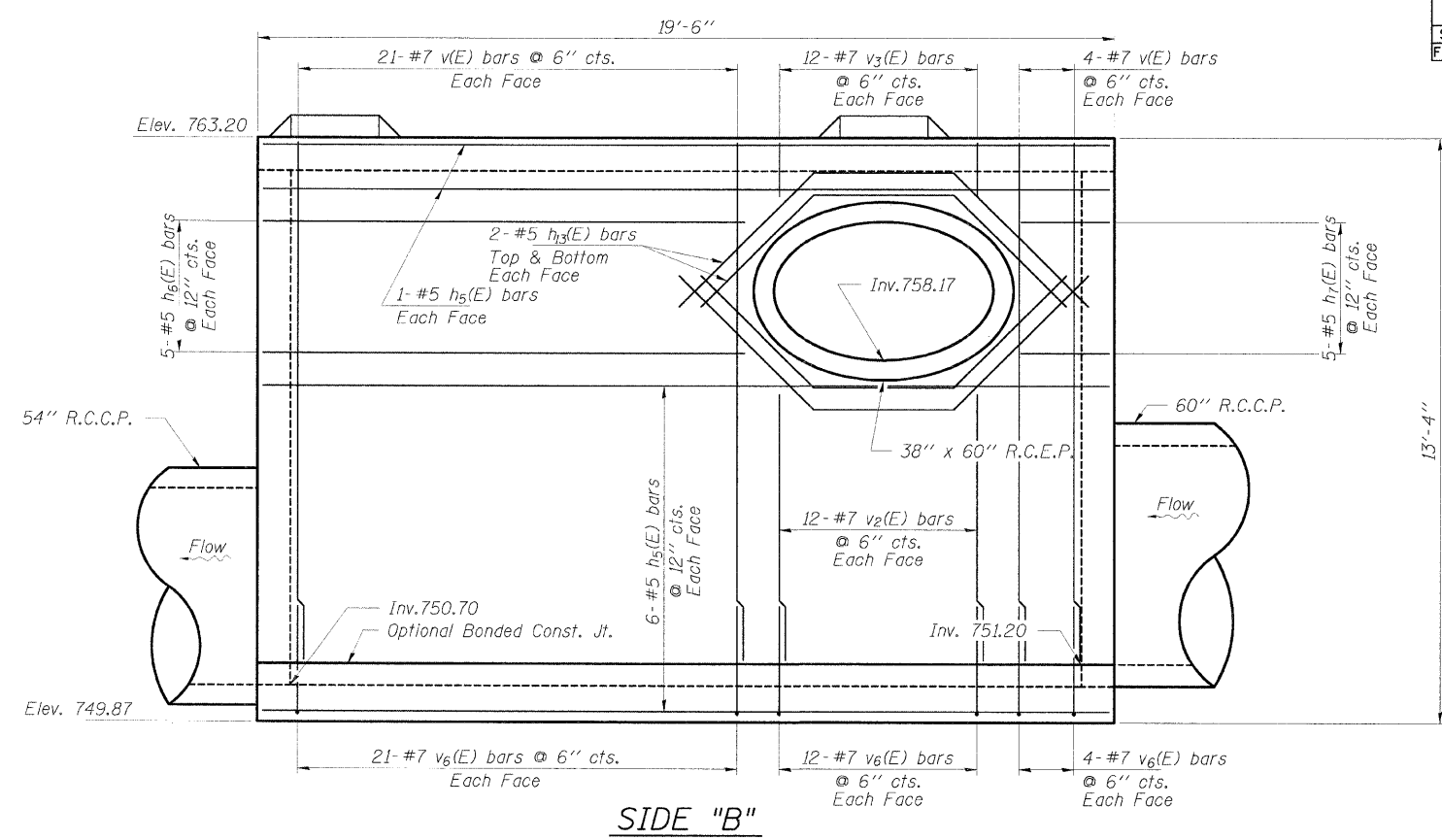
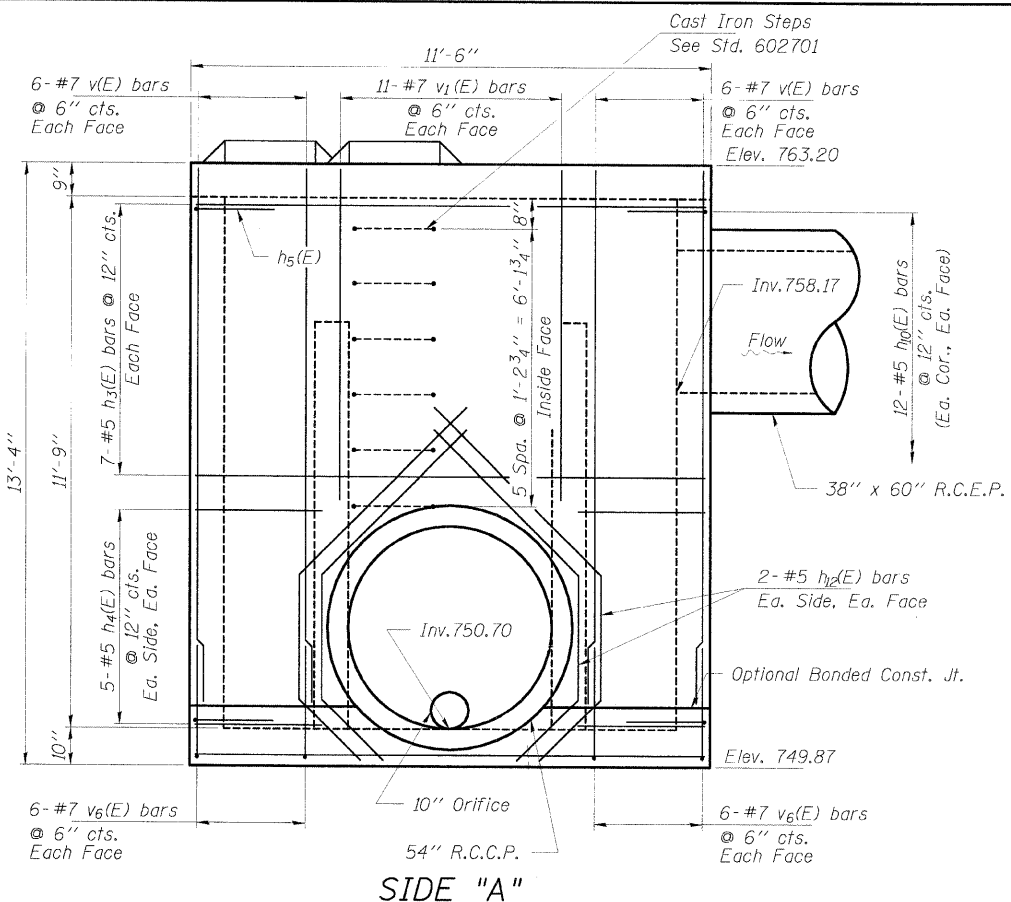
RB

Rice, Berry and Associates
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 Civil & Structural Engineers
 801 S. Durkin Drive
 Springfield, Illinois 62704
 217-546-3400

Account Number 03-05-0181-1
 Date: 01-11-05
 P.O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637

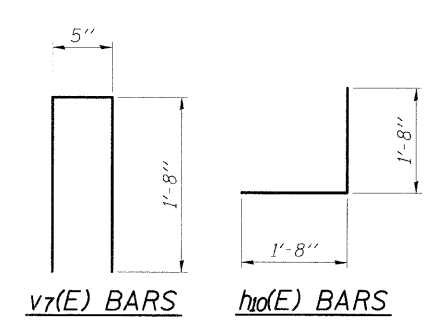
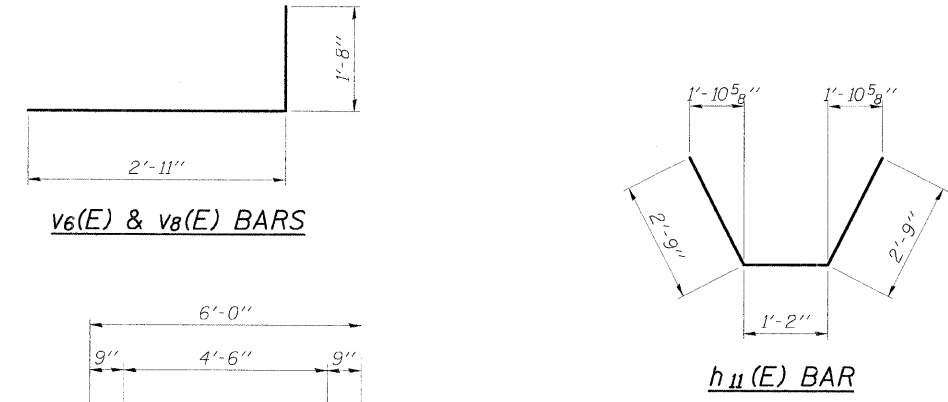
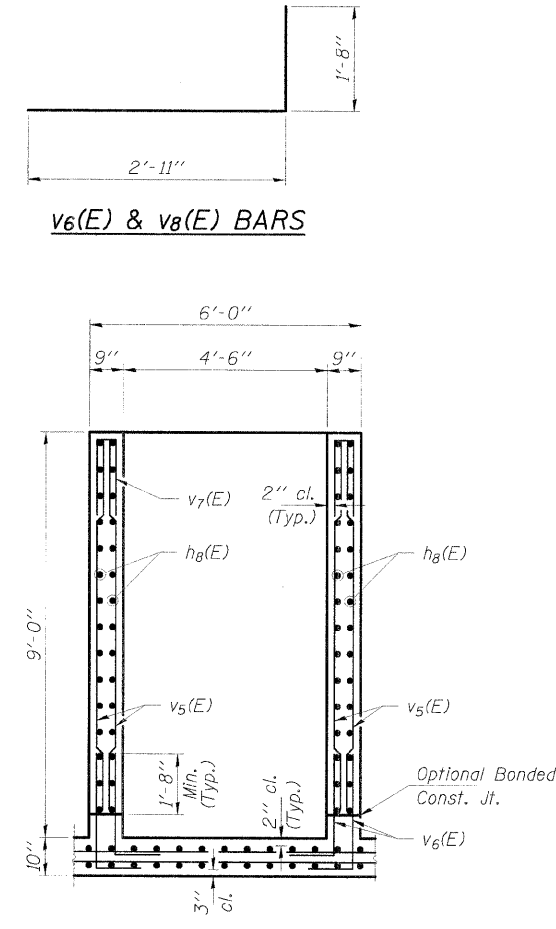
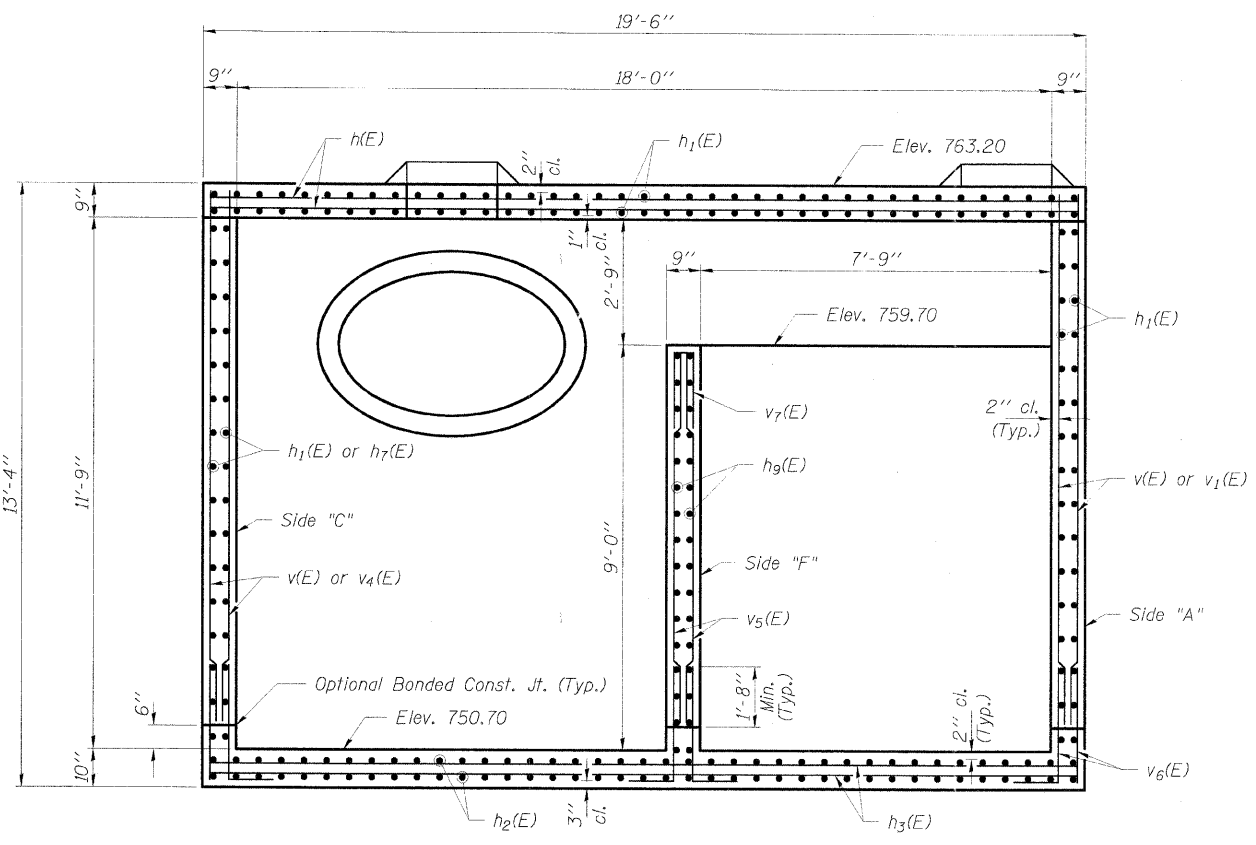
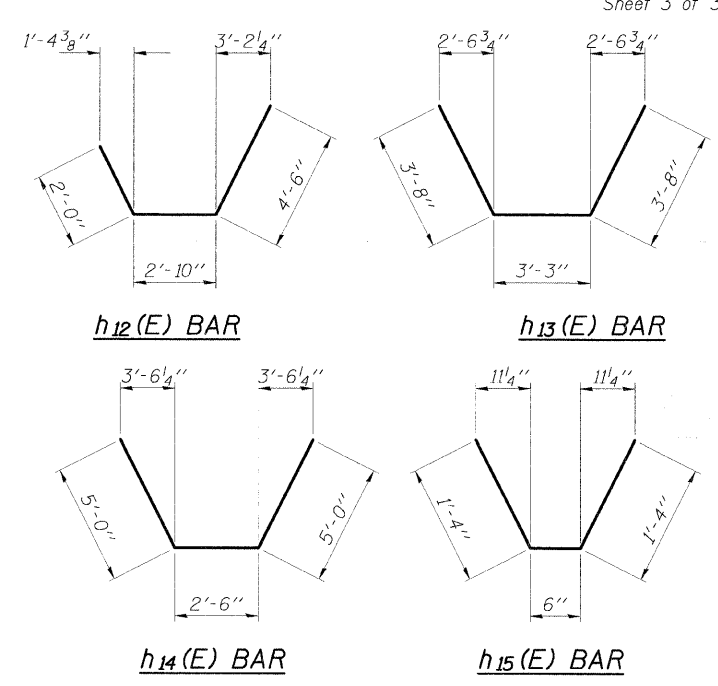
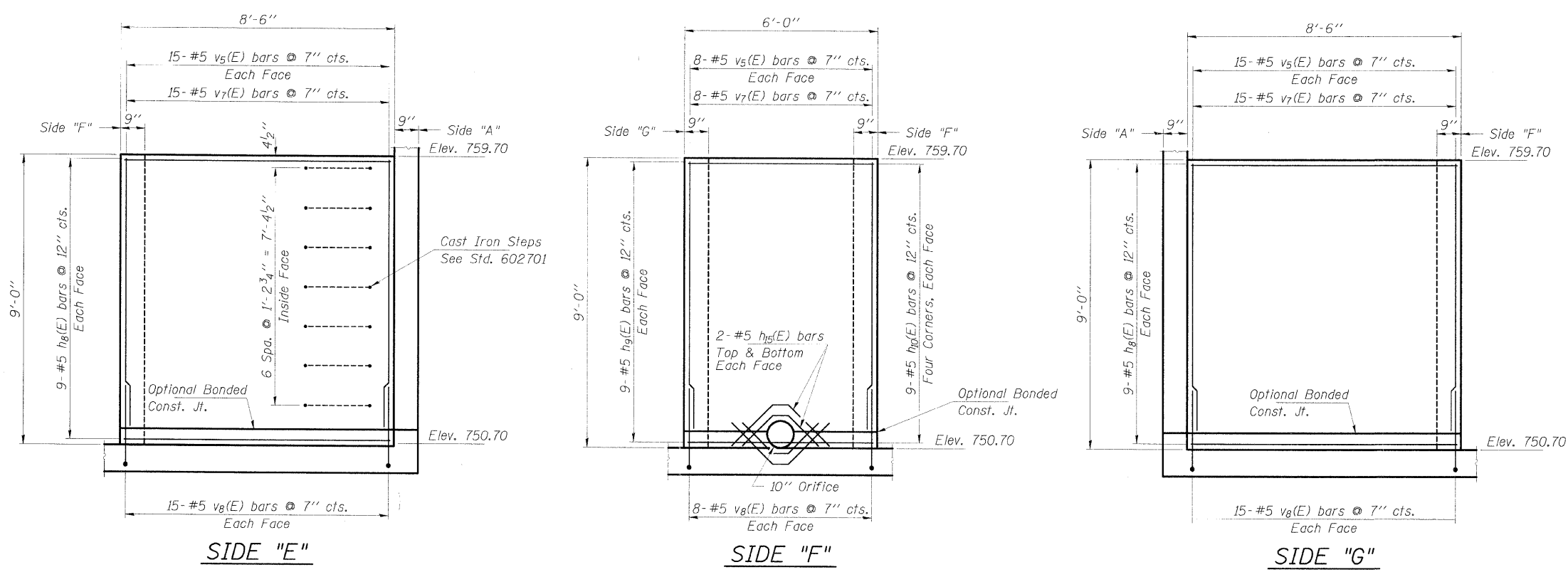
DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.B.

SPLIT FLOW JUNCTION STRUCTURE
 SECTION 99-00243-00-PV
 RANDALL ROAD
 KANE COUNTY
 STATION 32+00



HLR
 Rice, Berry and Associates
 A Division of Hampton, Lenzini and Renwick, Inc.
 Civil & Structural Engineers
 801 S. Durkin Drive
 Springfield, Illinois 62704
 217-546-3400
 P.O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637
 Account Number 03-05-0181-1
 Date: 01-11-05
 DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.B.

SPLIT FLOW JUNCTION STRUCTURE
SECTION 99-00243-00-PV
RANDALL ROAD
KANE COUNTY
STATION 32+00



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	24	#4	19'-2"	—
h1(E)	68	#5	11'-2"	—
h2(E)	78	#6	19'-2"	—
h3(E)	24	#6	11'-2"	—
h4(E)	20	#5	2'-9"	—
h5(E)	38	#5	19'-2"	—
h6(E)	10	#5	10'-6"	—
h7(E)	30	#5	2'-6"	—
h8(E)	36	#5	8'-2"	—
h9(E)	18	#5	5'-8"	—
h10(E)	168	#5	3'-4"	┌
h11(E)	16	#5	6'-8"	┌
h12(E)	8	#5	9'-4"	┌
h13(E)	8	#5	10'-7"	┌
h14(E)	8	#5	12'-6"	┌
h15(E)	8	#5	3'-2"	┌
v(E)	168	#7	11'-4"	—
v1(E)	22	#7	8'-3"	—
v2(E)	24	#7	7'-6"	—
v3(E)	24	#7	1'-3"	—
v4(E)	26	#7	6'-9"	—
v5(E)	76	#5	8'-4"	—
v6(E)	192	#7	4'-7"	┌
v7(E)	38	#5	3'-9"	┌
v8(E)	76	#5	4'-7"	┌
Concrete Structures		Cu. Yd.	35.6	
Reinf. Bars, Epoxy Coated		Pounds	14,100	
Cast Iron Steps		Each	22	

SECTION A-A

SECTION B-B

MIN. BAR LAP
#5 = 1'-8"

HLR

Rice, Berry and Associates
A Division of Hampton,
Lenzini and Renwick, Inc.
Civil & Structural Engineers
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400
P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637

Account Number
03-05-0181-1
Date: 01-11-05

DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: D.B.

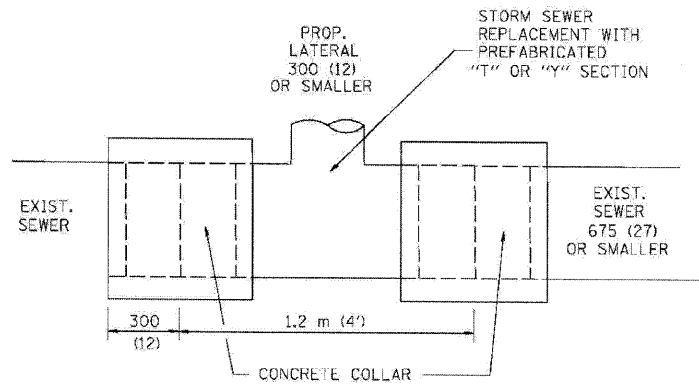
SPLIT FLOW JUNCTION STRUCTURE

SECTION 99-00243-00-PV

RANDALL ROAD

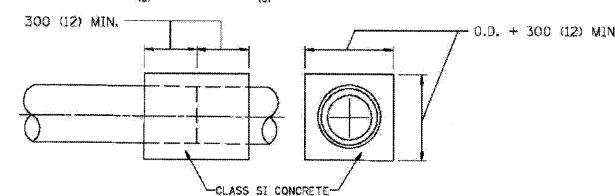
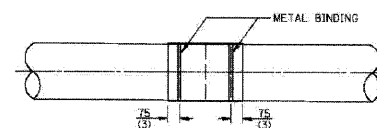
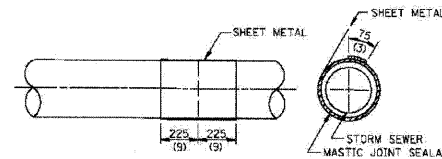
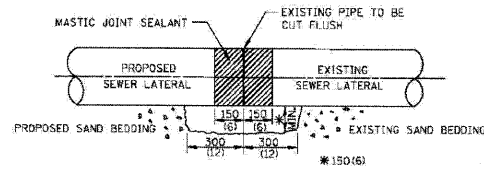
KANE COUNTY

STATION 32+00



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER

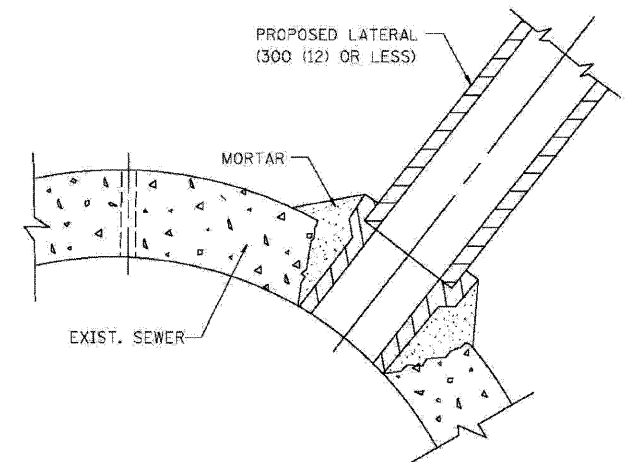


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 150 (6) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 300 x 150 (12 x 6) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 450 (18) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 75 (3) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 225 (9) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 75 (3) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT DOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

- PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER SEE DETAIL "A" AND "B".
- PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

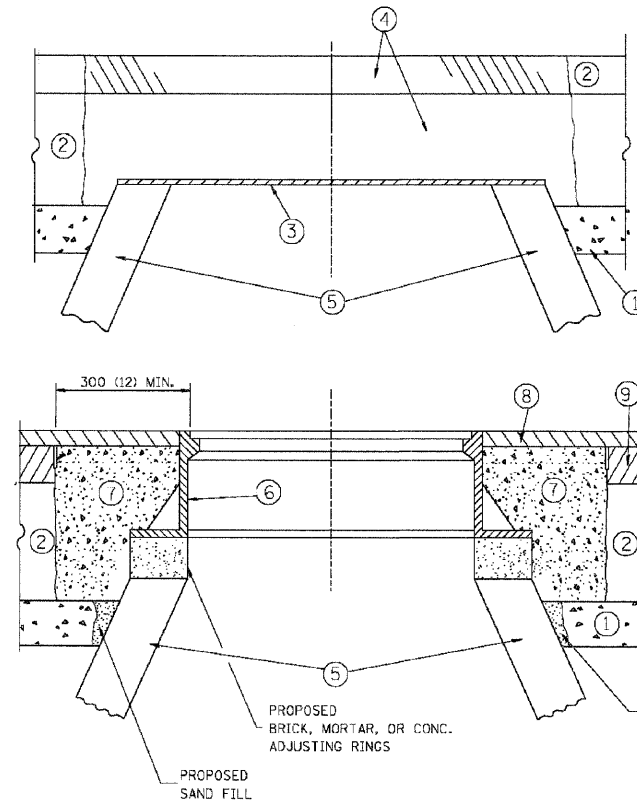
DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

SCALE: NONE
DATE 10/18/2002

DRAWN BY CADD
CHECKED BY

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
CONTRACT NO. 83782			172
DISTRICT 1 STANDARDS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 300 (12) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 900 (36) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 40 (1 1/2) THICK BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE BITUMINOUS MATERIAL AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 900 (36) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND BITUMINOUS MATERIAL
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL
- ⑧ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE
- ⑨ PROPOSED BITUMINOUS CONCRETE BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE SURFED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: FRAMES AND LIDS TO BE ADJUSTED, SPECIAL EACH

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

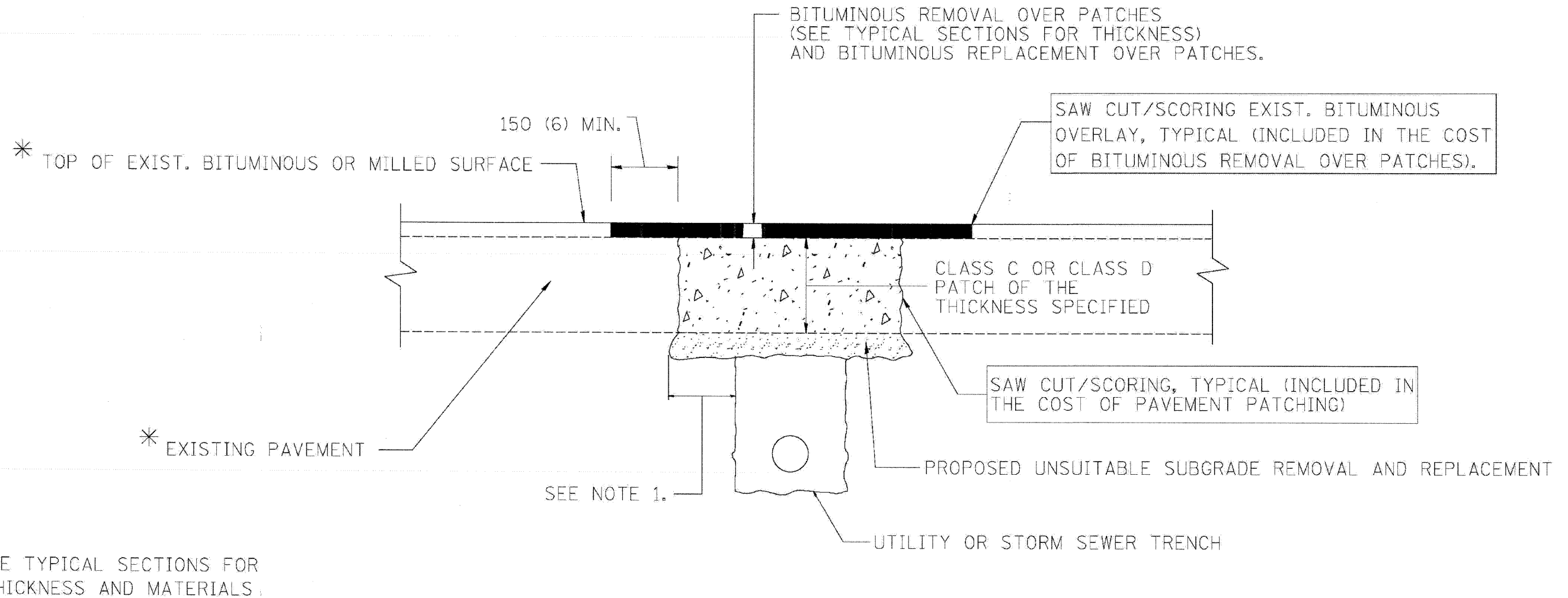
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETAILS FOR
 FRAMES AND LIDS ADJUSTMENT
 WITH MILLING

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04

SCALE: NONE
 DATE: 05/17/2004

DRAWN BY
 CHECKED BY
 BD600-03 (BD-8)



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 300 (12) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE SPECIAL PROVISION "PATCHING WITH BITUMINOUS OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

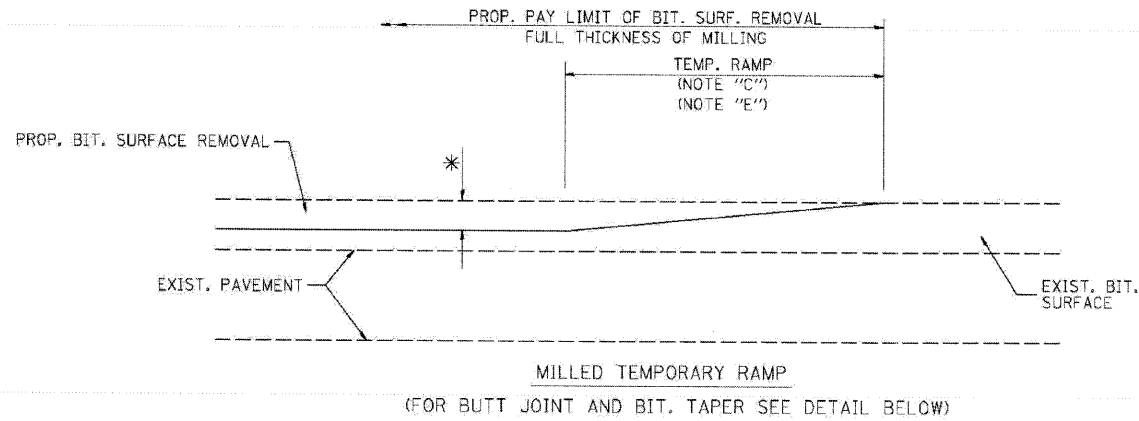
PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT

SCALE: NONE
 DATE 10/18/2002

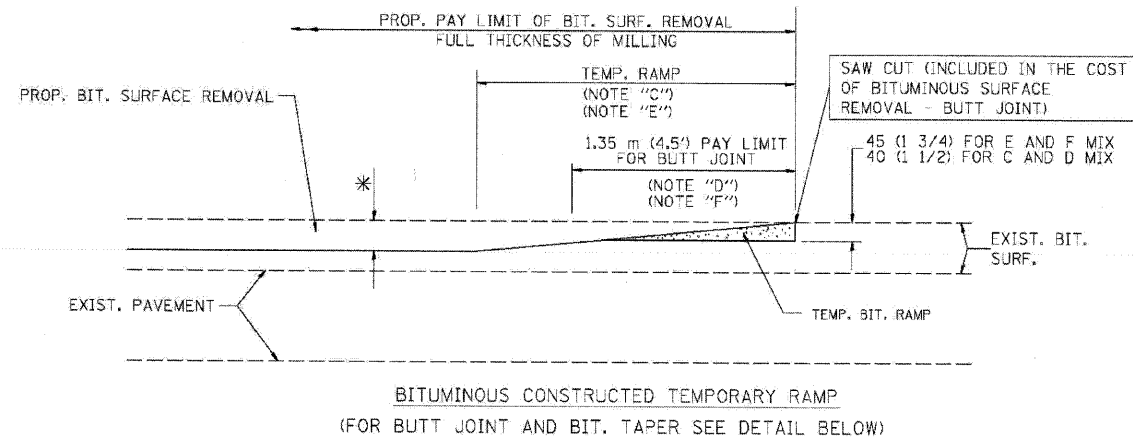
DRAWN BY
 CHECKED BY

REVISIONS		REVISIONS	
NAME	DATE	NAME	DATE
R. SHAH	10/25/94	ART ABBAS	04/27/98
R. SHAH	01/14/95		
R. SHAH	03/23/95		
R. SHAH	04/24/95		
A. HOUSEH	03/15/96		
A. ABBAS	03/21/97		
A. ABBAS	01/20/98		

F.A.P. ROUTE	CONTRACT NO.	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	STATE SECTION		174
	83782		
DISTRICT 1 STANDARDS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			

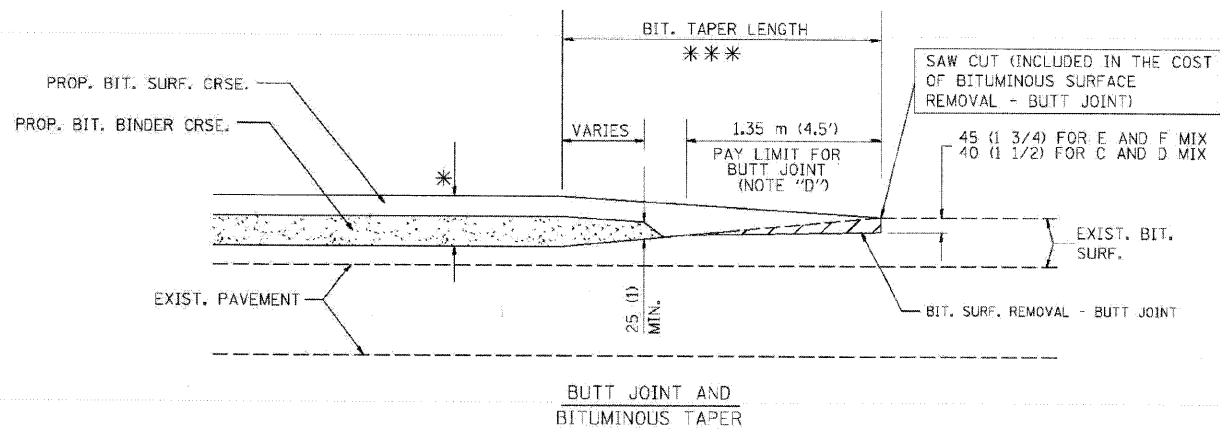


OPTION 1

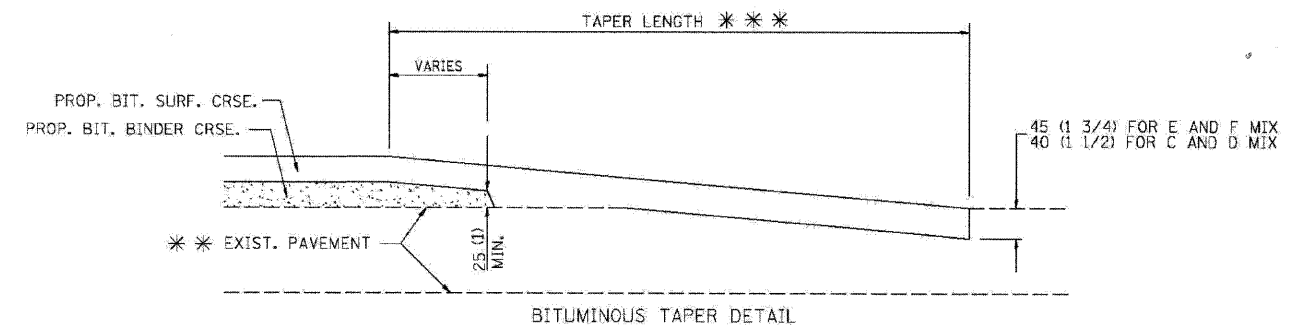
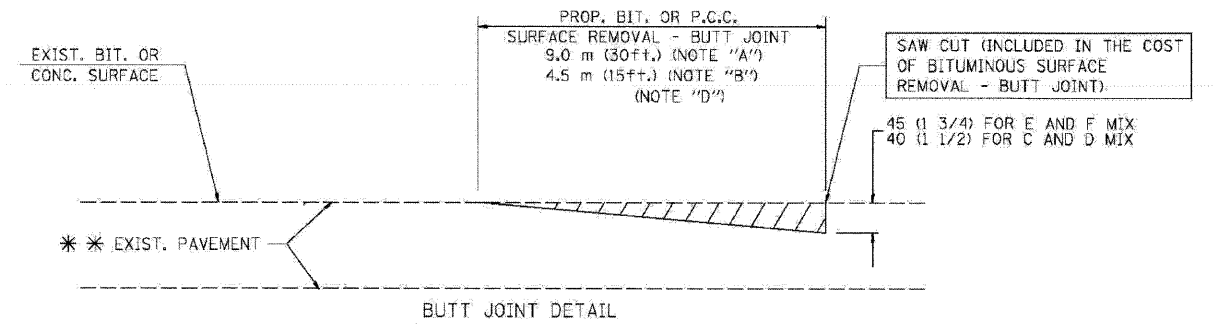


OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR RESURFACING ONLY

*** PC CONCRETE, BITUMINOUS OR BITUMINOUS RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING BITUMINOUS SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 FT.) PER INCH OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".
 - G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL - BUTT JOINT".
- *** SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 6.1 m (20') PER 25 (1) RESURFACING (NOTE "A")
3.0 m (10') PER 25 (1) RESURFACING (NOTE "B")

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

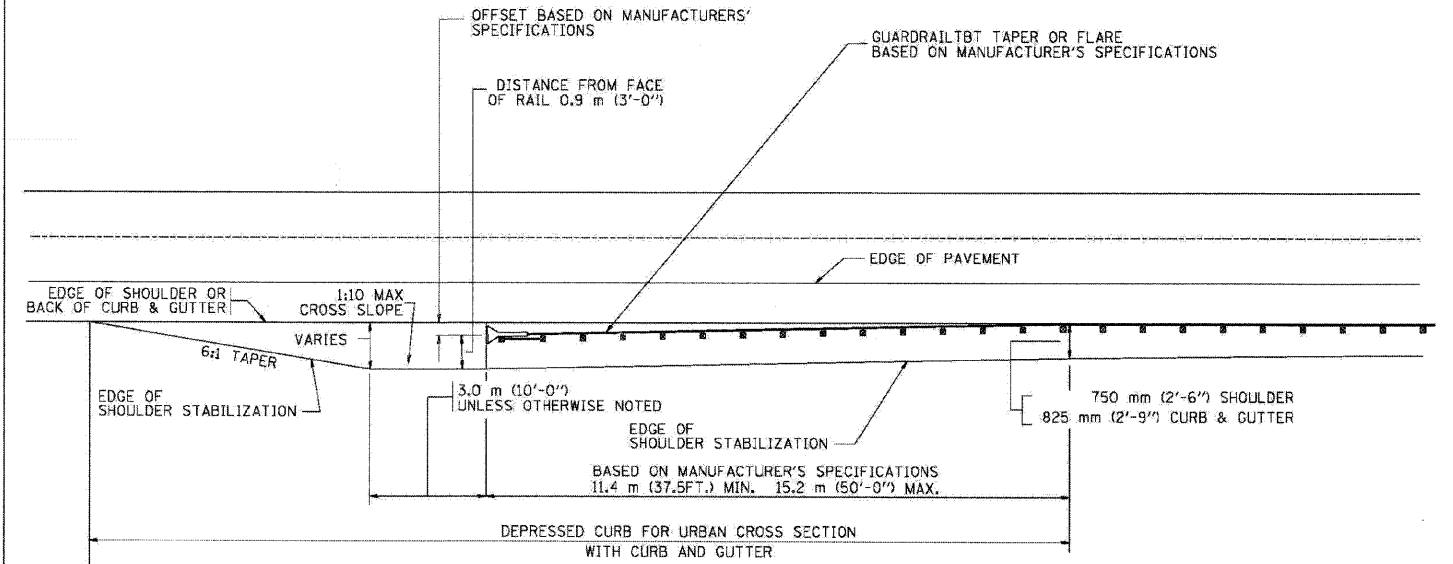
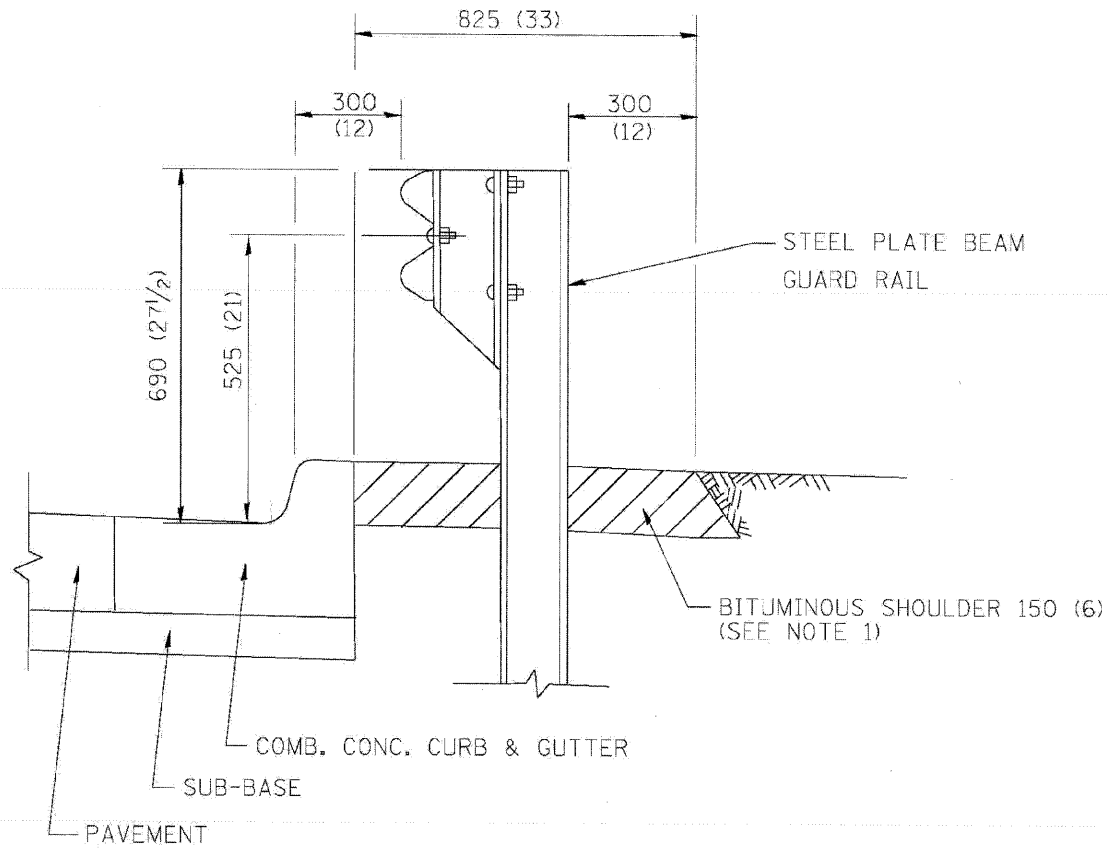
REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND BITUMINOUS TAPER DETAILS

SCALE: NONE
DATE PLOTTED: 10/18/2002

DRAWN BY
CHECKED BY
BD400-05 (VI-BD32)



- NOTES:
1. THE BITUMINOUS SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
 2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: BITUMINOUS SHOULDER 150 (6) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER m² (sq. yd.) AS "BITUMINOUS SHOULDER 150 (6)."

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER [FOR ROADWAY SPEED 60 kmh (35 MPH) TO 70 kmh (45 MPH)]

STABILIZATION AT TBT TY. 1 SPL.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

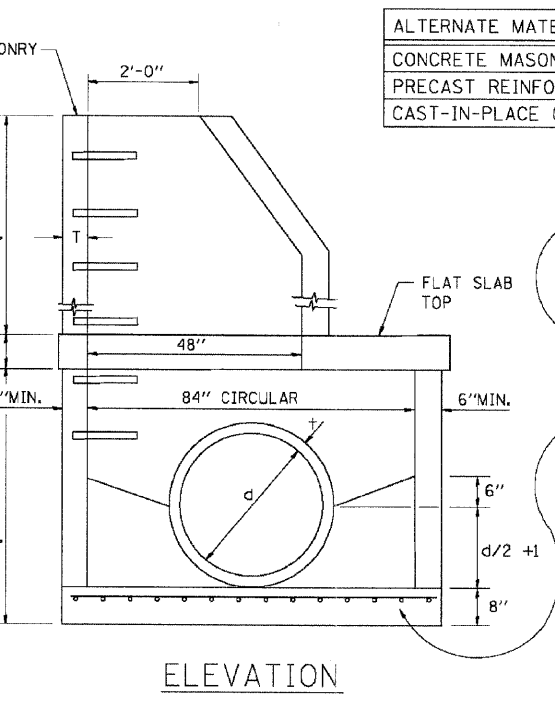
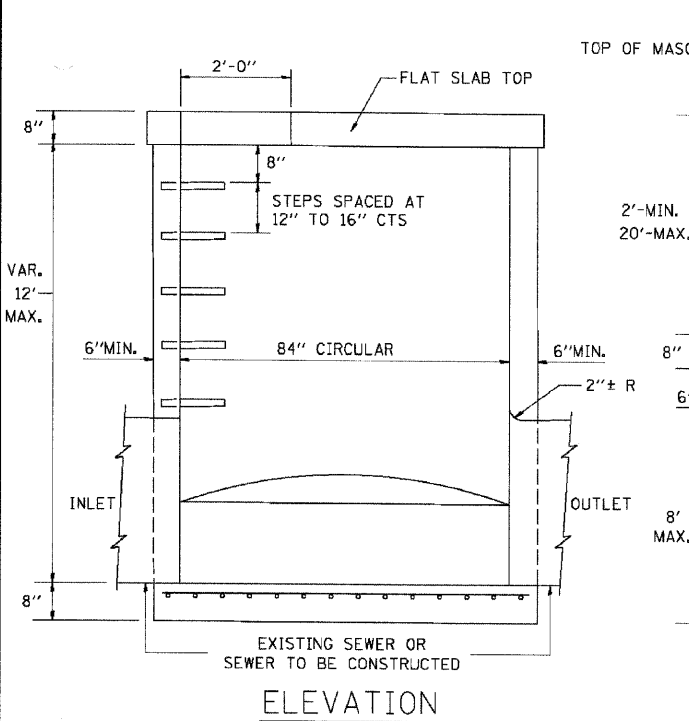
ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER

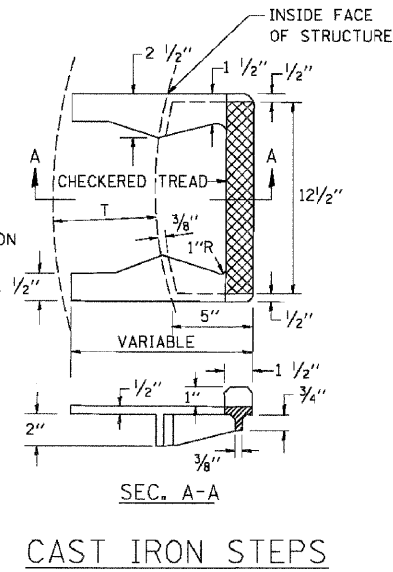
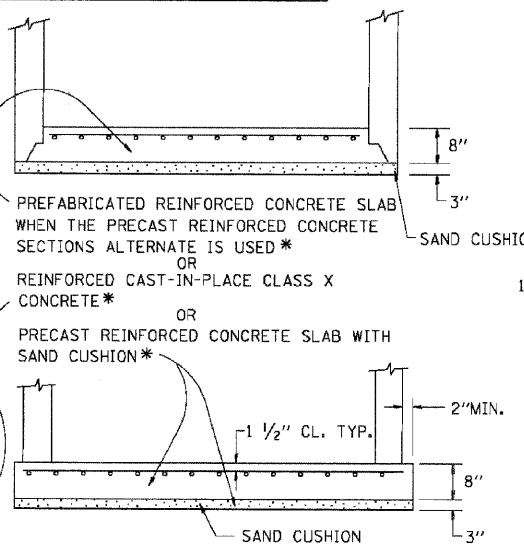
STABILIZATION AT TBT TY 1 SPL.

REVISIONS	
NAME	DATE
M. DE YONG	09-22-90
M. DE YONG	07-14-92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	02/23/95
A. ABBAS	03/21/97
E. GOMEZ	08/28/00

SCALE: NONE DRAWN BY: jjs
 DATE: 10/18/2002 CHECKED BY:



ALTERNATE MATERIALS FOR RISERS	T (MIN.)
CONCRETE MASONRY UNITS	5"
PRECAST REINFORCED CONCRETE SECTIONS	4"
CAST-IN-PLACE CONCRETE	6"



GENERAL NOTES

ALTERNATE MATERIAL FOR THE WALLS MAY BE CONCRETE MASONRY UNITS, PRECAST REINFORCED CONCRETE SECTIONS OR CAST-IN-PLACE CONCRETE. THE CAST IRON STEPS AS DETAILED HEREON ARE TYPICAL. STEPS OF OTHER DESIGN AND MATERIAL THAT CONFORM TO THE MINIMUM REQUIREMENTS OF THE STEPS SHOWN MAY BE USED WHEN APPROVED BY THE ENGINEER.

CAST IRON STEPS SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF ARTICLE 1006.14 OF THE STANDARD SPECIFICATIONS.

STEPS SHALL BE EMBEDDED INTO THE WALL A MINIMUM OF THREE(3) INCHES. STEPS SHALL NOT BE EXTENDED ON THE OUTSIDE.

STEPS SHALL BE OMITTED FOR WORK IN COOK COUNTY WHEN THE DEPTH OF THE MANHOLE IS TEN(10') OR LESS.

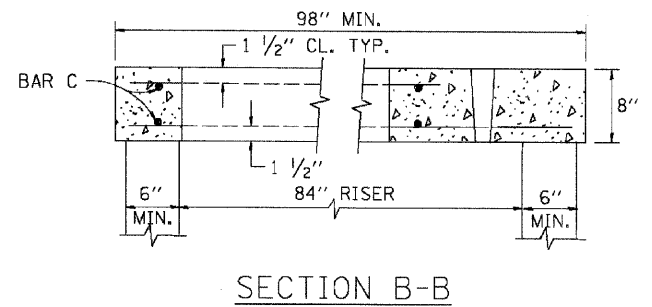
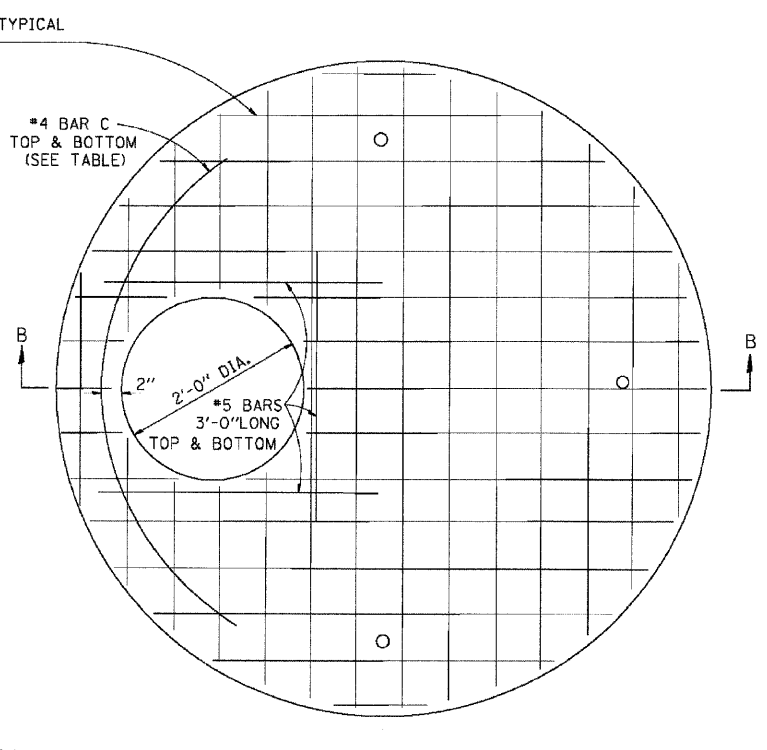
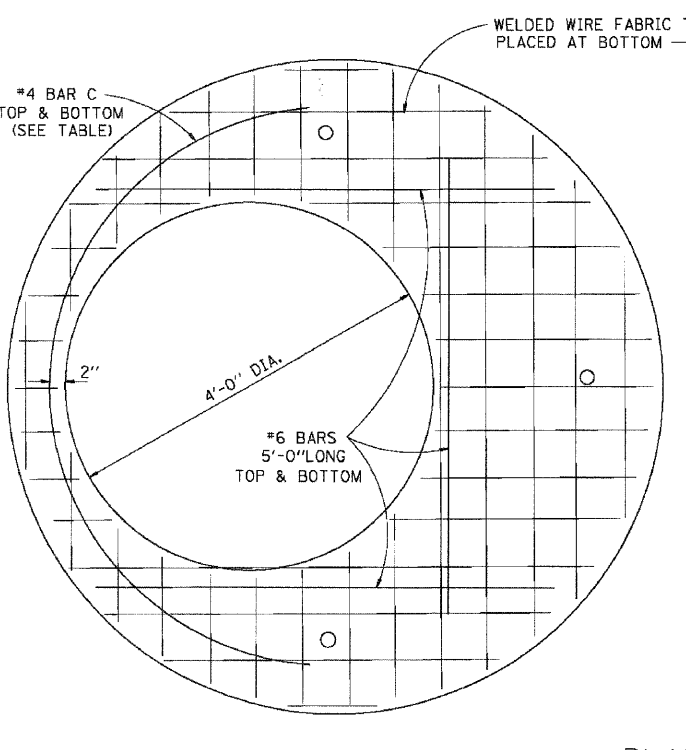
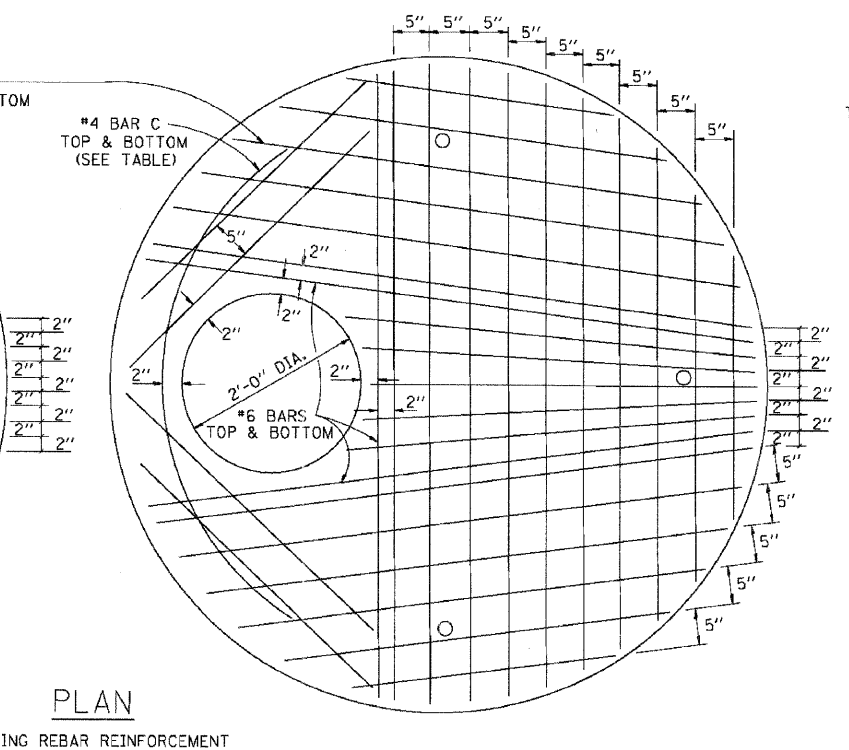
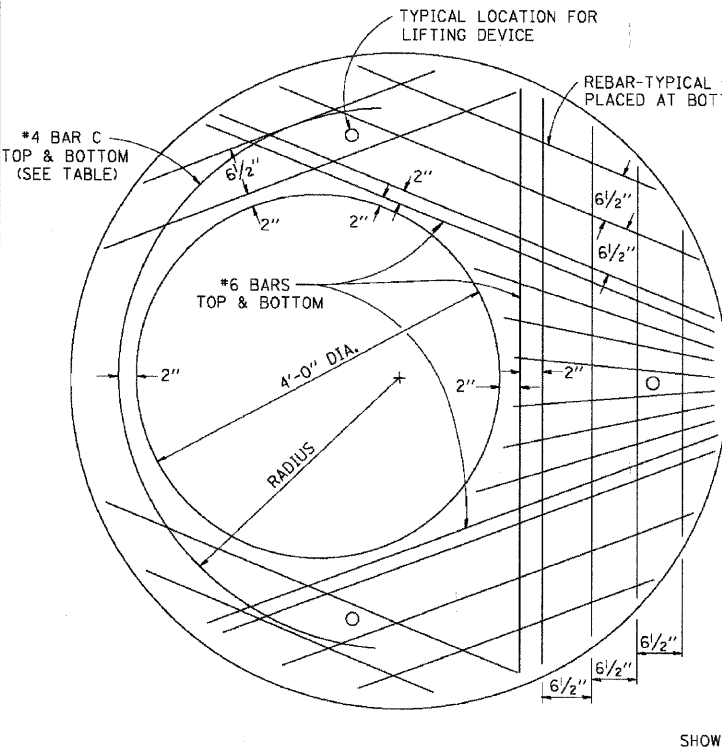
IN ADDITION TO THE REQUIREMENTS OF ARTICLE 612.13 OF THE STANDARD SPECIFICATIONS, THE CONTRACT UNIT PRICE FOR MANHOLES, TYPE A, 7'-DIAMETER SHALL INCLUDE THE SAND CUSHION WHEN REQUIRED, FURNISHING AND INSTALLING STEPS WHEN REQUIRED, FURNISHING AND COMPACTING THE SPECIFIED BACKFILL MATERIAL, AND FURNISHING AND INSTALLING FLAT SLAB TOP.

PRECAST FLAT SLAB TOP SHALL CONFORM TO ARTICLES 505.01 THRU 505.05 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE CONCRETE STRENGTH SHALL BE 4,000 PSI AFTER 28 DAYS. REINFORCEMENT BARS AND WELDED WIRE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF ARTICLE 1006.10. ONLY GRADE 60 REINFORCEMENT BARS WILL BE PERMITTED.

BOTTOM SLAB SHALL BE REINFORCED BY EITHER REINFORCEMENT BARS OR WELDED WIRE FABRIC. THE MINIMUM REINFORCEMENT SHALL BE 0.46 SQUARE INCH PER LINEAR FOOT IN BOTH DIRECTIONS.

JOINT CONFIGURATION AND DIMENSIONS OF FLAT SLAB TOP SHALL MATCH AND FIT THE RISER JOINT DETAIL.

LIFTING DEVICES SHALL BE APPROVED BY THE ENGINEER.



TABLE

DIAMETER OF OPENING	REINFORCEMENT "A" S' WWF EACH DIRECTION	OR BAR SIZE	BAR C		
			SIZE	LENGTH	RADIUS
2'-0"	1.06 SQ.IN./LIN.FT.	#6	#4	6'-0"	38"
4'-0"	0.82 SQ.IN./LIN.FT.	#6	#4	9'-0"	38"

NOTE: THIS STRUCTURE SHOULD BE USED WITH PIPES SIZE 54" DIA. OR SMALLER.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE TYPE A
7 FOOT DIAMETER

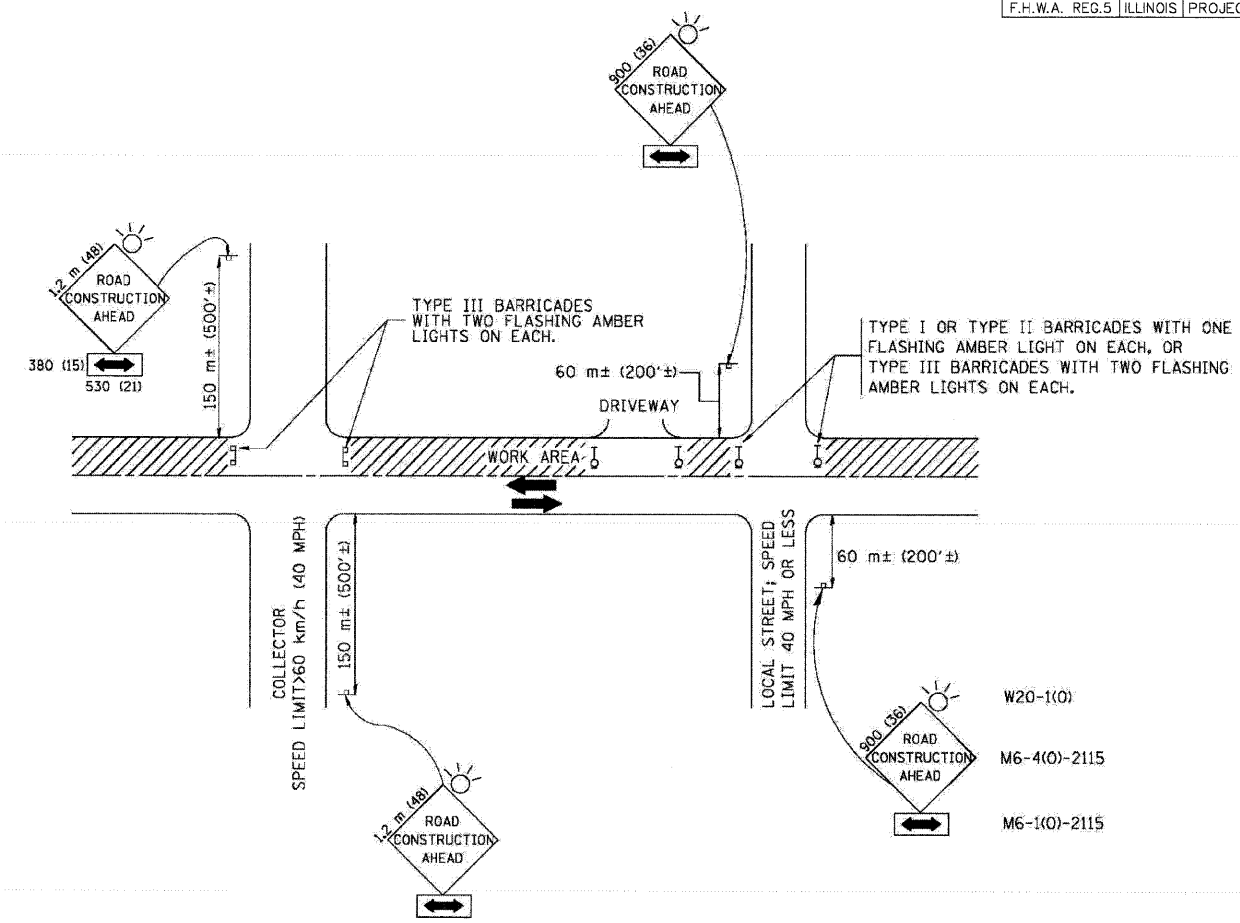
REVISIONS	
NAME	DATE

SCALE: VERT. _____
HORIZ. _____

DATE 10/18/2002

DRAWN BY _____
CHECKED BY _____
BD600-11 (80-37)

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
CONTRACT NO.		SHTS. NO.	
83782		177	
DISTRICT 1 STANDARDS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

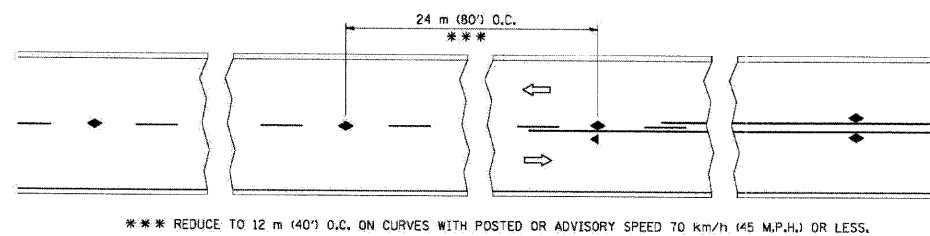
- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

REVISIONS	
NAME	DATE
LHA	6/789
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

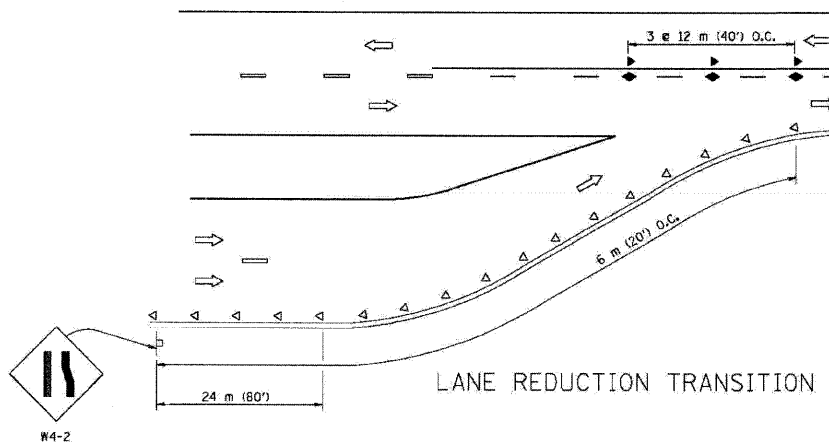
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

SCALE: VERT.
 HORIZ.
 DATE 10/18/2002

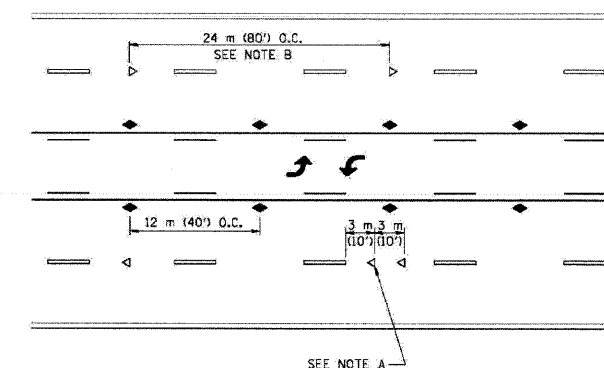
DRAWN BY
 CHECKED BY



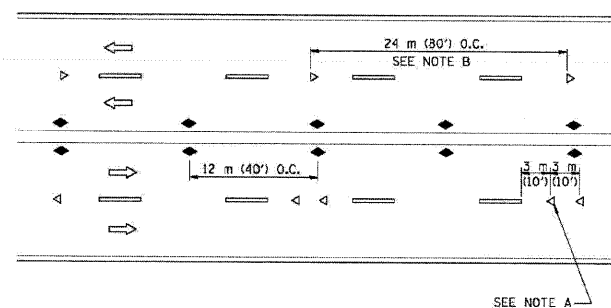
TWO-LANE/TWO-WAY



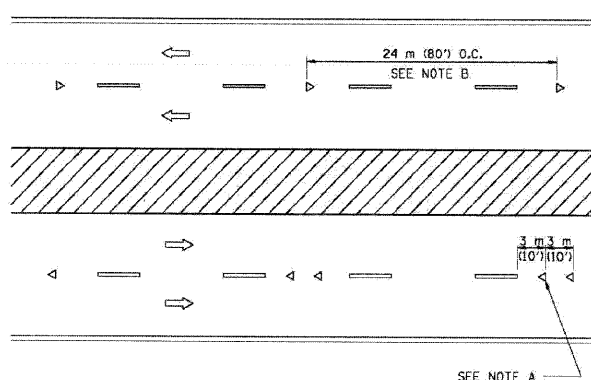
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

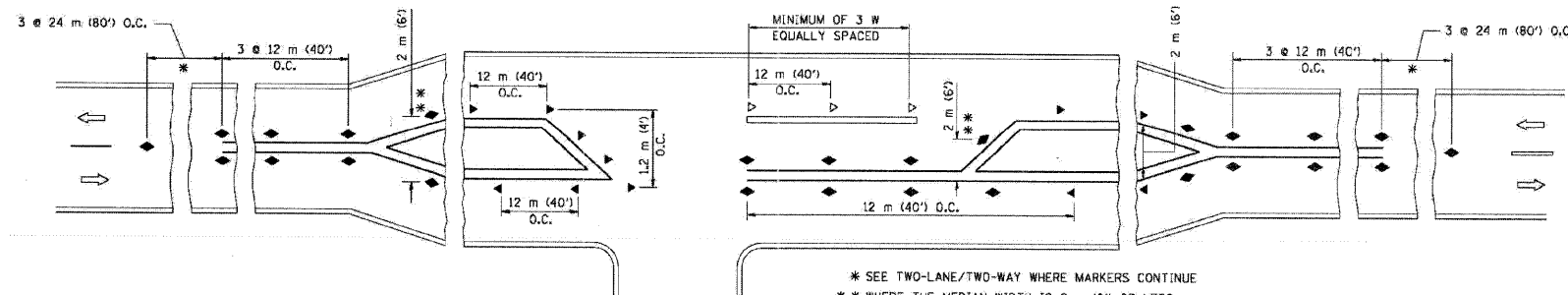
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 12 m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 20 km/h (10 M.P.H.) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◄ ONE-WAY AMBER MARKER
- ◄ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

- * SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
- ** WHERE THE MEDIAN WIDTH IS 2 m (6') OR LESS USE TWO-WAY MARKERS.

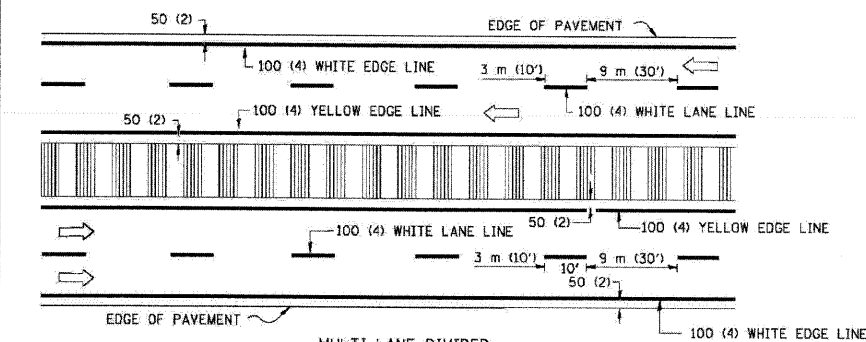
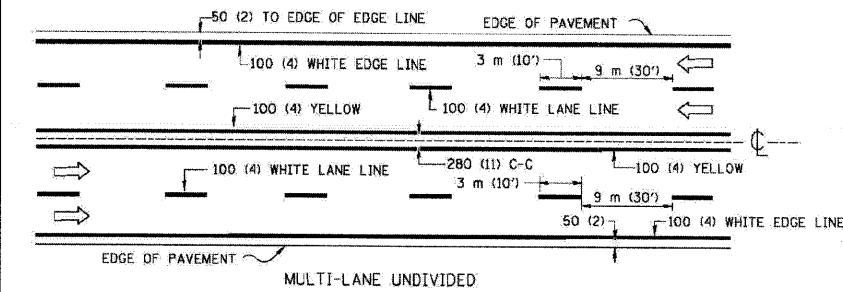
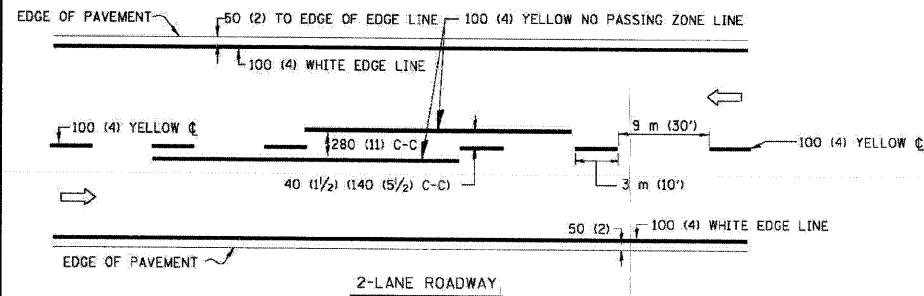
All dimensions are in millimeters (inches) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS
 (SNOW-PLOW RESISTANT)

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

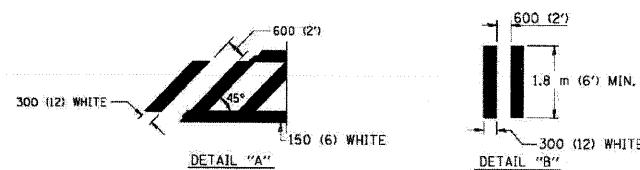
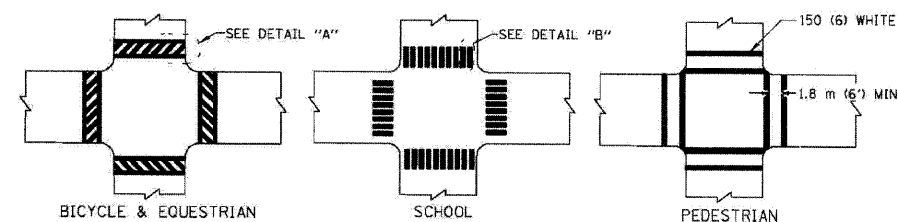
SCALE: NONE
 DATE: 10/18/2002

DRAWN BY CADD
 CHECKED BY

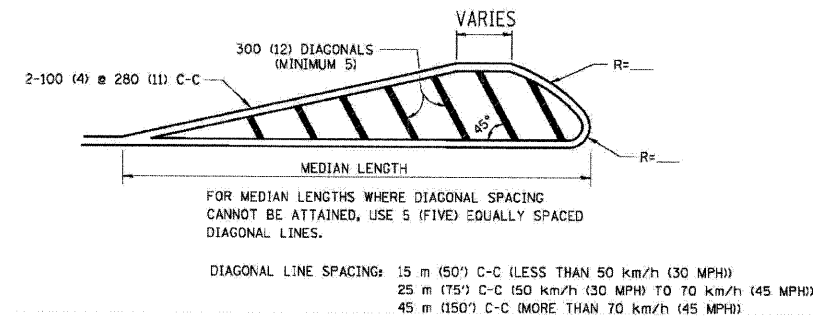
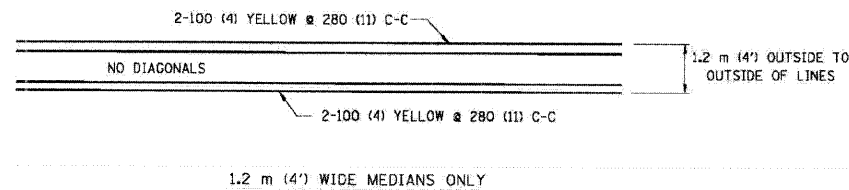


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

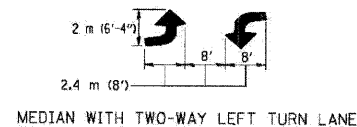
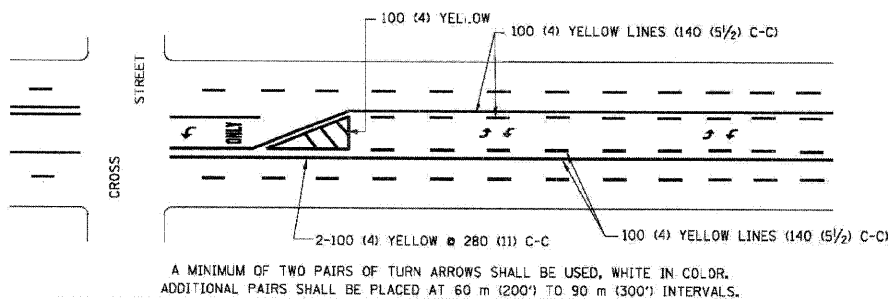
TYPICAL LANE AND EDGE LINE MARKING



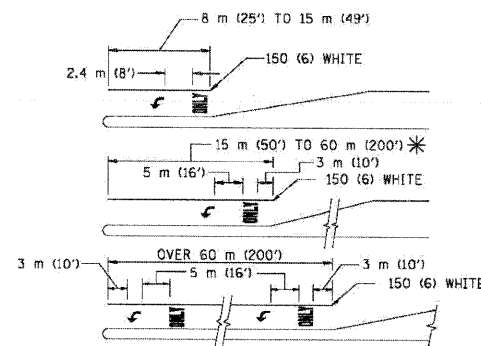
TYPICAL CROSSWALK MARKING



MEDIANS OVER 1.2 m (4') WIDE



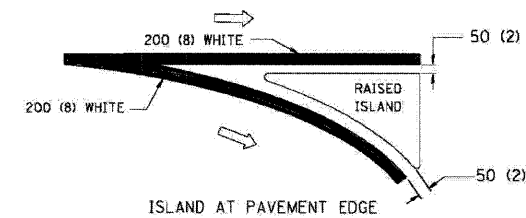
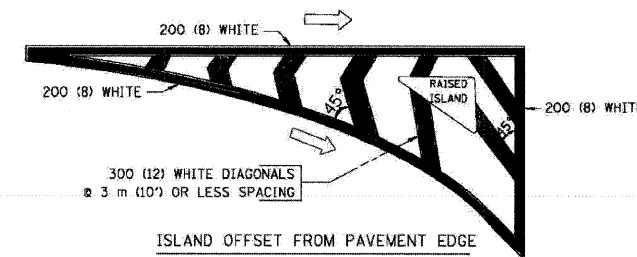
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
AREA = 1.5 m² (15.6 SQ. FT.) AREA = 1.9 m² (20.8 SQ. FT.)
* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4)	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (24) LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	2.4 m (8') LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (24) APART 600 (24) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in millimeters (inches) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

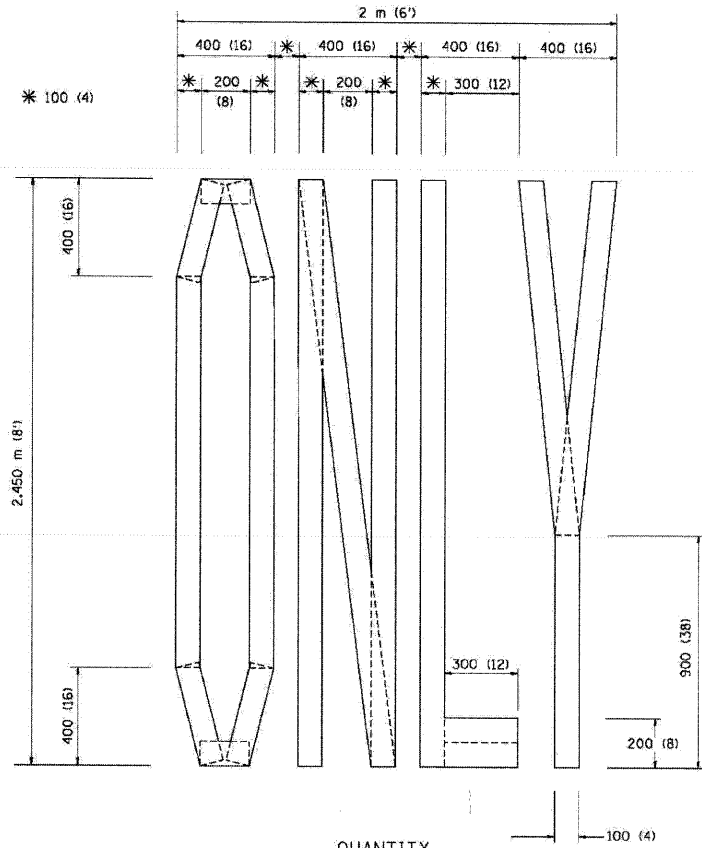
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DATE 10/18/2002

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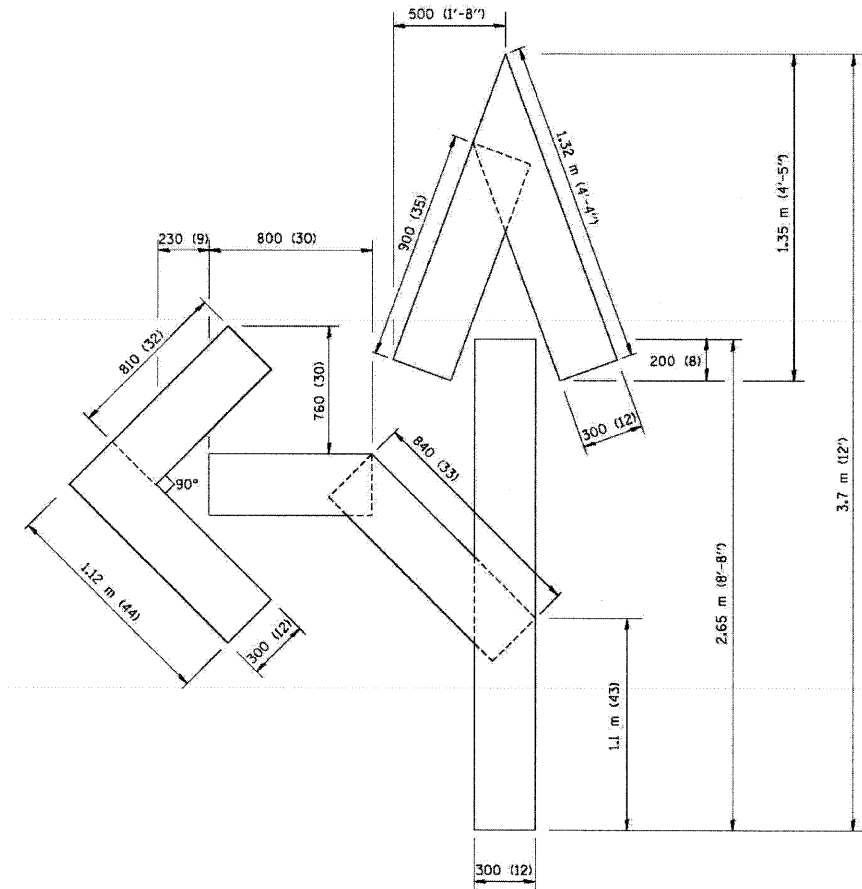
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TC-13

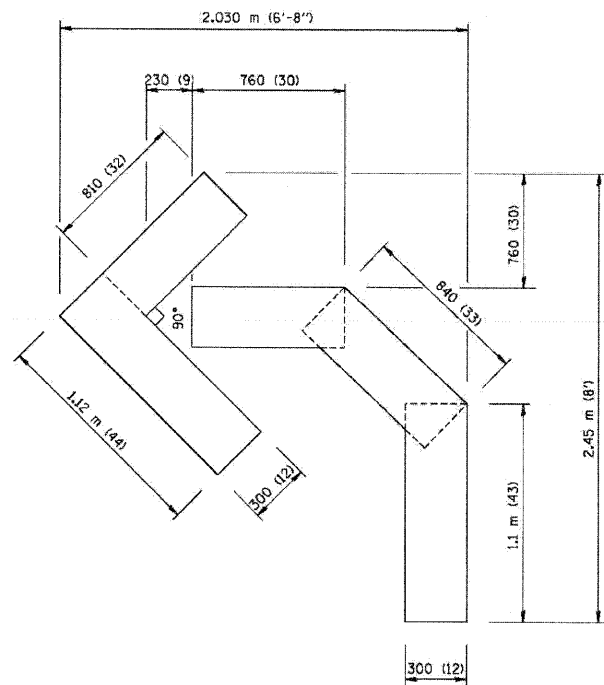
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268 180
CONTRACT NO.			
83782			
DISTRICT 1 STANDARDS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



QUANTITY
 100 (4) LINE = 19.7 m (64.1 ft.)
 1.97 sq. m (21.1 sq. ft.)



QUANTITY
 100 (4) LINE = 25.3 m (82.5 ft.)
 2.53 sq. m (27.5 sq. ft.)



QUANTITY
 100 (4) LINE = 13.9 m (45.5 ft.)
 1.39 sq. m (15.2 sq. ft.)

All dimensions are in millimeters (inches) unless otherwise shown.

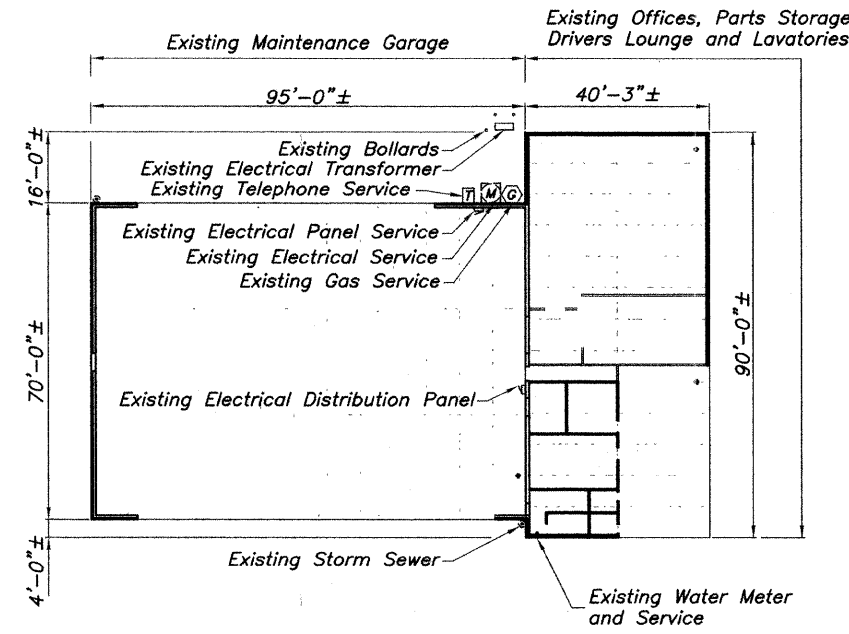
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

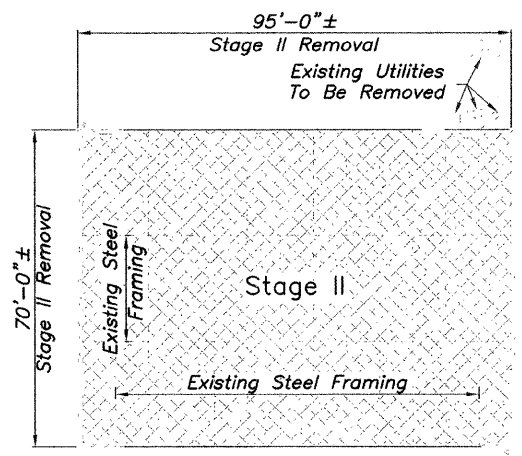
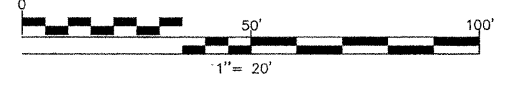
REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

SCALE: NONE
 DATE 10/18/2002

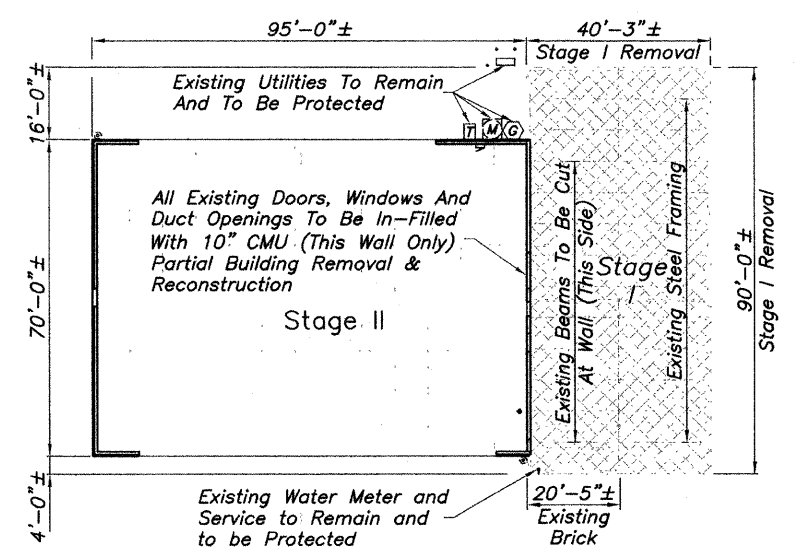
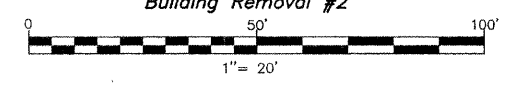
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 CHECKED BY
 TC-16



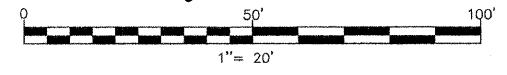
EXISTING BUILDING 205 - PLAN VIEW



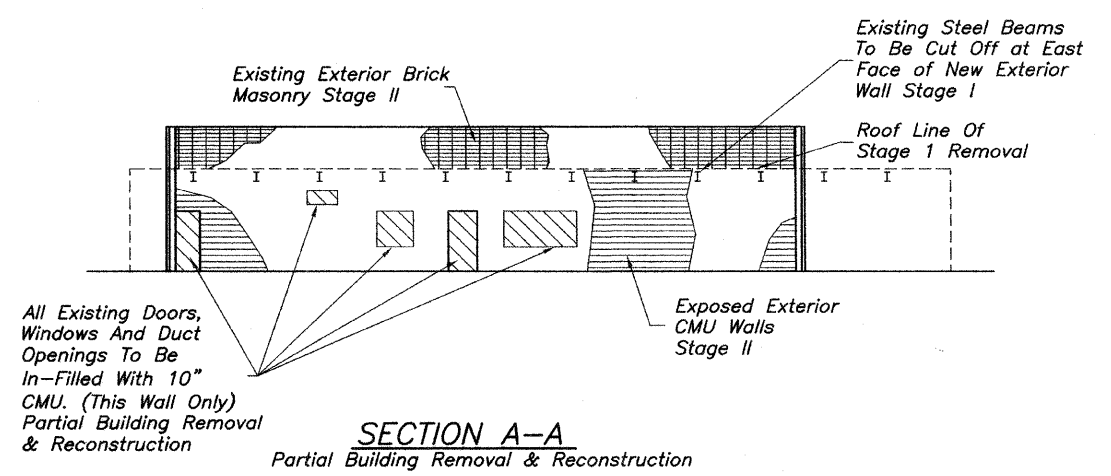
STAGE II REMOVAL Building Removal #2



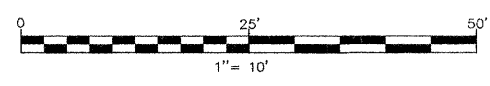
STAGE I REMOVAL Partial Building Removal & Reconstruction



A
A



SECTION A-A Partial Building Removal & Reconstruction



LEGEND

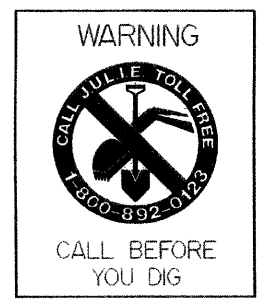
- Area Of Removal
- Area Of In-Fill

NOTES

See Special Provision Building Removal - Case IV (No Asbestos) (BDE)

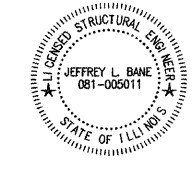
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Partial Building Removal & Reconstruction	L Sum	1
Building Removal #2	L Sum	1



G:\Users\jlb\Documents\BARS\BARS.dwg 02/09/05 09:52 pm.plt

ILLINOIS STRUCTURAL NO. 5011



Expires 11-30-06

HLR
 Rice, Berry and Associates
 A Division of Hampton, Lenzini and Renwick, Inc.
 Civil & Structural Engineers
 801 S. Durkin Drive
 Springfield, Illinois 62704
 217-546-3400
 P.O. Box 1036
 DuQuoin, Illinois 62832
 618-790-4637
 Account Number 03-05-01811
 DATE: 01/05/05
 DESIGNED: J.L.B. CHECKED: J.L.B. DRAWN: P.J.L.

STAGED REMOVAL BUILDING 205
 SECTION 99-00243-00-PV
 PARTIAL / RECONSTRUCTION / FINAL BUILDING REMOVAL
 205 N. RANDALL ROAD
 KANE COUNTY

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	199-00243-00-PV	KANE	268
CONTRACT NO.	83782		182
LANDSCAPING PLANS			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			

**HAYDEN
BULIN LARSON**

HAYDEN BULIN LARSON
Design Group Ltd.

750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312.943.3234 FAX 312.943.3302

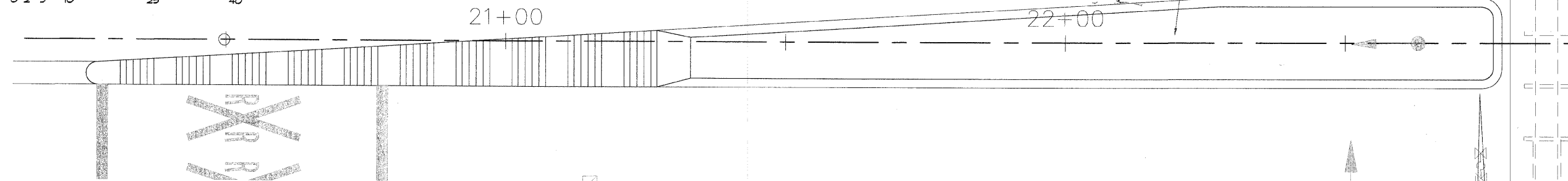
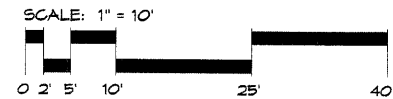
**RANDALL
ROAD
MEDIANS**

City of St. Charles
St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
HBL Project No.: 04.001.01
CADD File: h-medians.dwg
Drawn By: J.E.
Approved By: J.E.
Revisions:

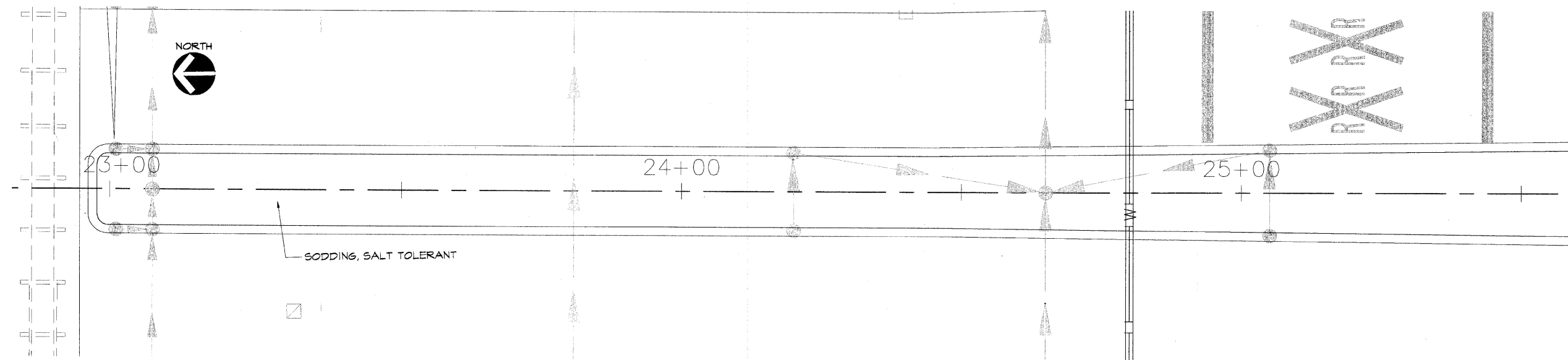
**LANDSCAPE
MEDIAN
PLANTERS**

Drawing	Sheet
L-1.1	182



MEDIAN PLANTER SEGMENT MP-1.01

SCALE: 1" = 10'-0"



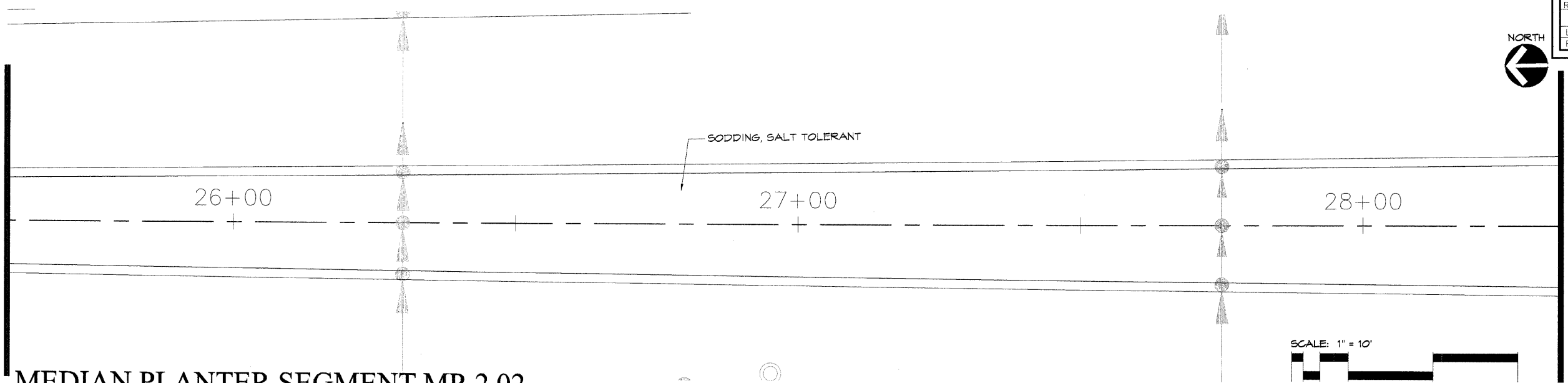
MEDIAN PLANTER SEGMENT MP-2.01

SCALE: 1" = 10'-0"

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		183
	83782		
LANDSCAPING PLANS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			

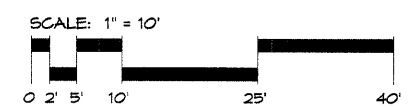


SEE DRAWING L-1.1
MATCHLINE STA. 25+60



MEDIAN PLANTER SEGMENT MP-2.02

SCALE: 1" = 10'-0"



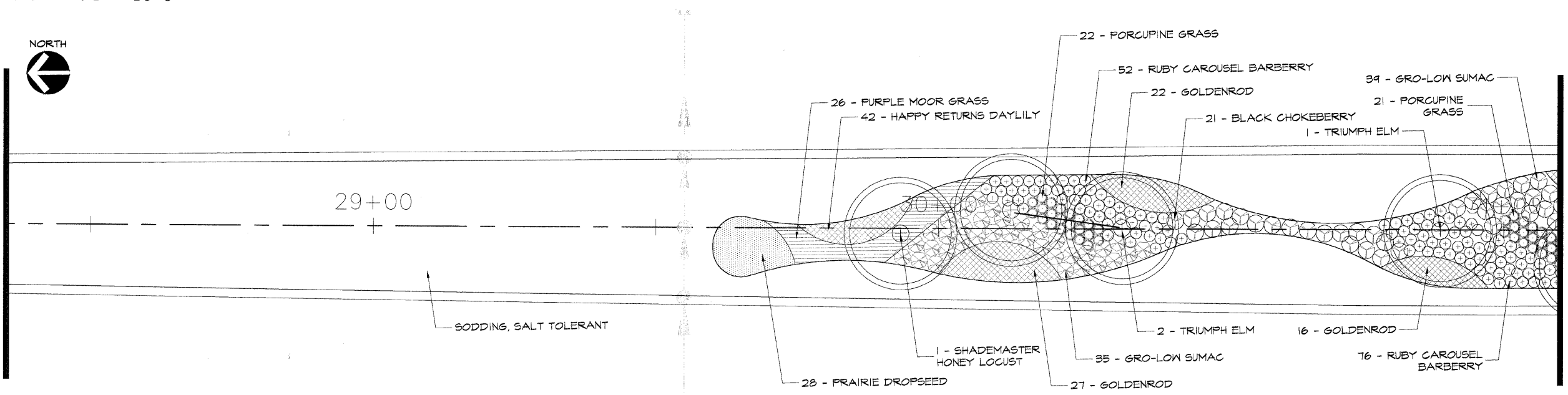
MATCHLINE STA. 28+35

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HAYDEN BULIN LARSON
Design Group Ltd.
750 North Franklin Street, Suite 205
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312.943.3234 FAX 312.943.3902



MATCHLINE STA. 28+35



MEDIAN PLANTER SEGMENT MP-2.03

SCALE: 1" = 10'-0"

SEE DRAWING L-1.3
MATCHLINE STA. 31+10

**RANDALL
ROAD
MEDIANS**

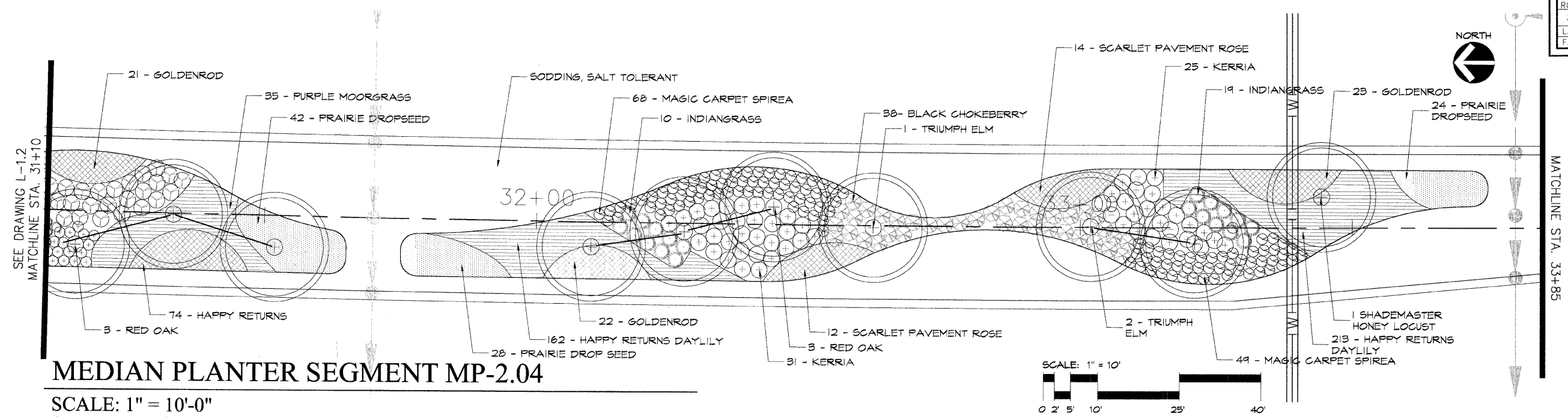
City of St. Charles
St. Charles, Illinois

HBL Submittal:	Dec. 23, 2004
HBL Project No.:	04.001.01
CADD File:	h-medians.dwg
Drawn By:	J.E.
Approved By:	J.E.
Revisions:	

**LANDSCAPE
MEDIAN
PLANTERS**

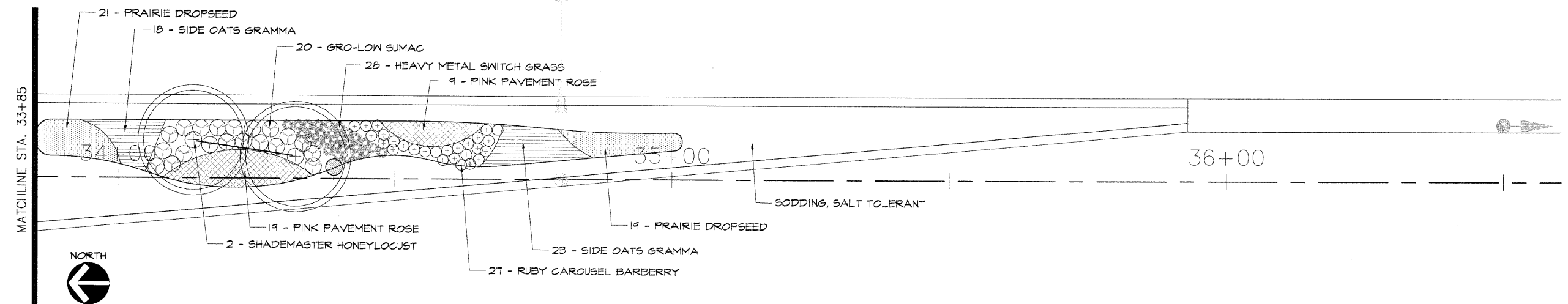
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L-1.2	183

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	83782	KANE	268
CONTRACT NO.		SHTS.	NO.
83782		268	184
LANDSCAPING PLANS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0338(008)			



MEDIAN PLANTER SEGMENT MP-2.04

SCALE: 1" = 10'-0"



MEDIAN PLANTER SEGMENT MP-2.05

SCALE: 1" = 10'-0"

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HAYDEN BULIN LARSON
Design Group Ltd.
750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312.943.3234 FAX 312.943.3302

RANDALL ROAD MEDIANS

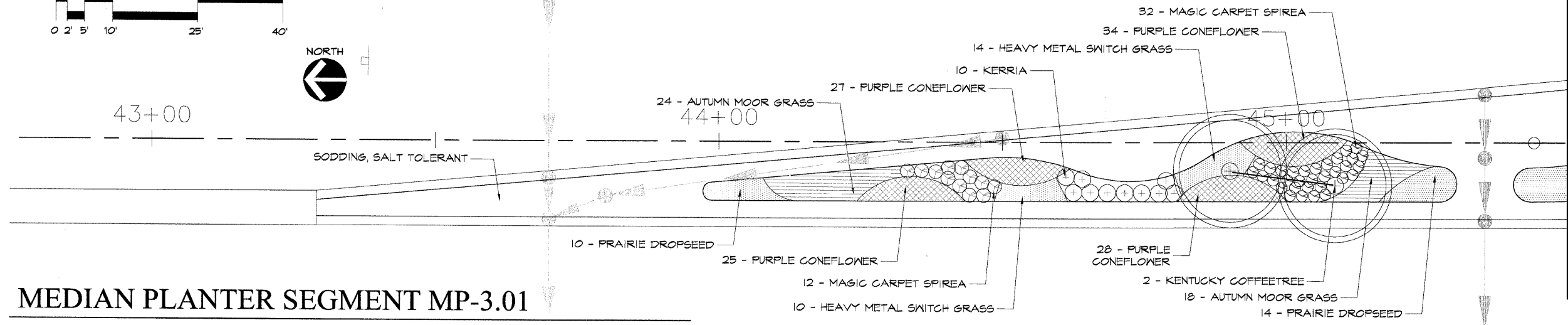
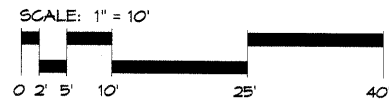
City of St. Charles
St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
HBL Project No.: 04-001.01
CADD File: h-medians.dwg
Drawn By: J.E.
Approved By: J.E.
Revisions:

LANDSCAPE MEDIAN PLANTERS

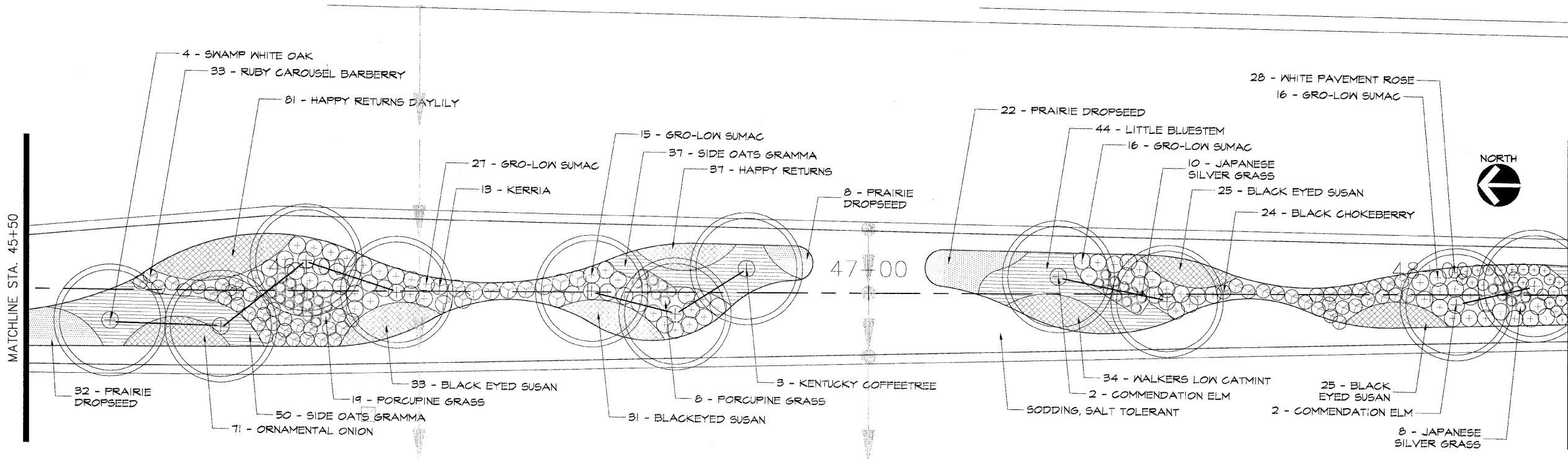
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L-1.3 184

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
CONTRACT NO. 83782			185
LANDSCAPING PLANS			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



MEDIAN PLANTER SEGMENT MP-3.01

SCALE: 1" = 10'-0"



MEDIAN PLANTER SEGMENT MP-3.02

SCALE: 1" = 10'-0"

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HAYDEN BULIN LARSON
Design Group Ltd.

750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312-943.3234 FAX 312-943.3302

**RANDALL
ROAD
MEDIANS**

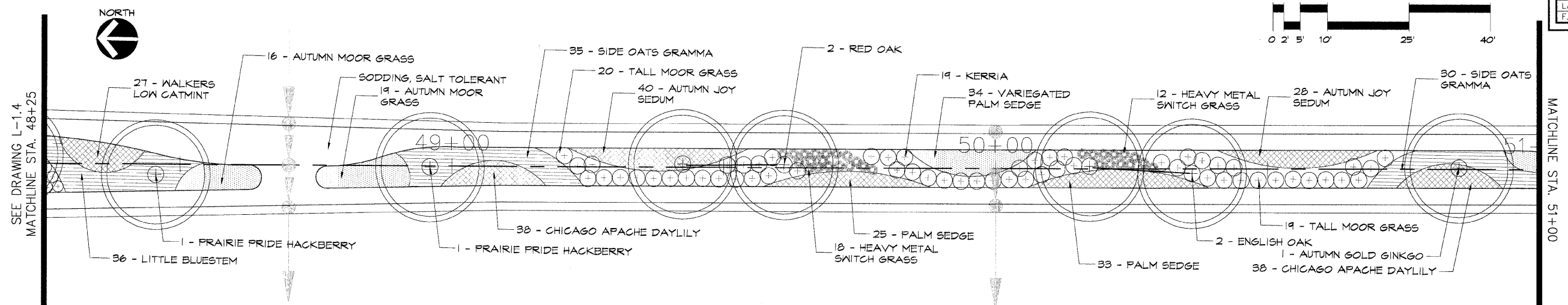
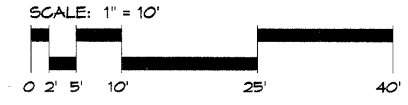
City of St. Charles
St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
HBL Project No.: 04-001.01
CADD File: *k-medians.dwg*
Drawn By: J.E.
Approved By: J.E.
Revisions:

**LANDSCAPE
MEDIAN
PLANTERS**

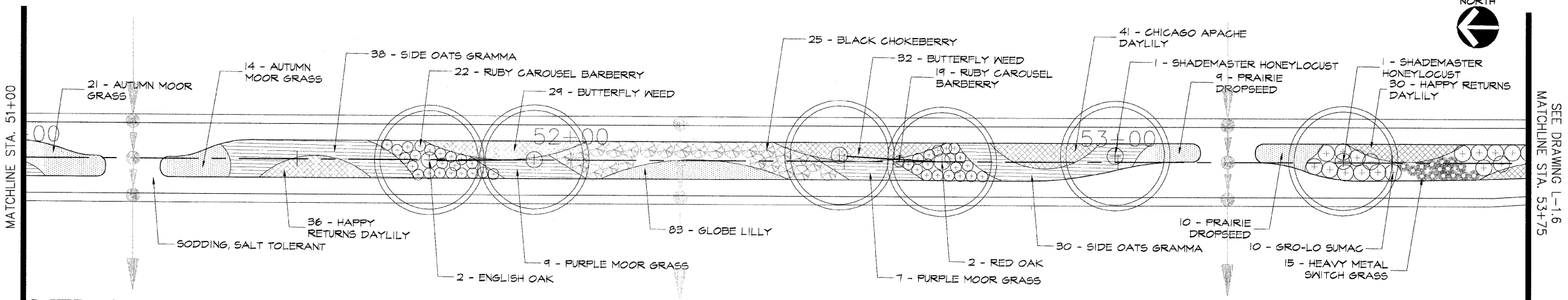
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L-1.4	185

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
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CONTRACT NO.	83782		186
LANDSCAPING PLANS			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(00B)			



MEDIAN PLANTER SEGMENT MP-3.03

SCALE: 1" = 10'-0"



MEDIAN PLANTER SEGMENT MP-3.04

SCALE: 1" = 10'-0"

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 750 North Franklin Street, Suite 205
 Chicago, Illinois 60610
 312.943.3234 FAX 312.943.3302

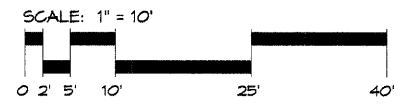
RANDALL ROAD MEDIANS
 City of St. Charles
 St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
 HBL Project No.: 04-001.01
 CADD File: h-medians.dwg
 Drawn By: J.E.
 Approved By: J.E.
 Revisions:

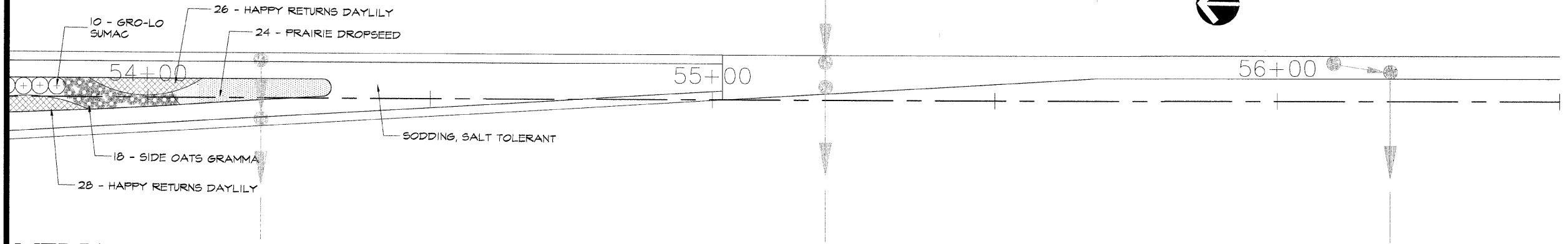
LANDSCAPE MEDIAN PLANTERS

Drawing L-1.5 Sheet 186

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
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CONTRACT NO.			187
83782			
LANDSCAPING PLANS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



SEE DRAWING L-1.5
MATCHLINE STA. 53+75



MEDIAN PLANTER SEGMENT MP-3.05

SCALE: 1" = 10'-0"

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Design Group Ltd.
750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312.943.3234 FAX 312.943.3302

RANDALL ROAD MEDIANS

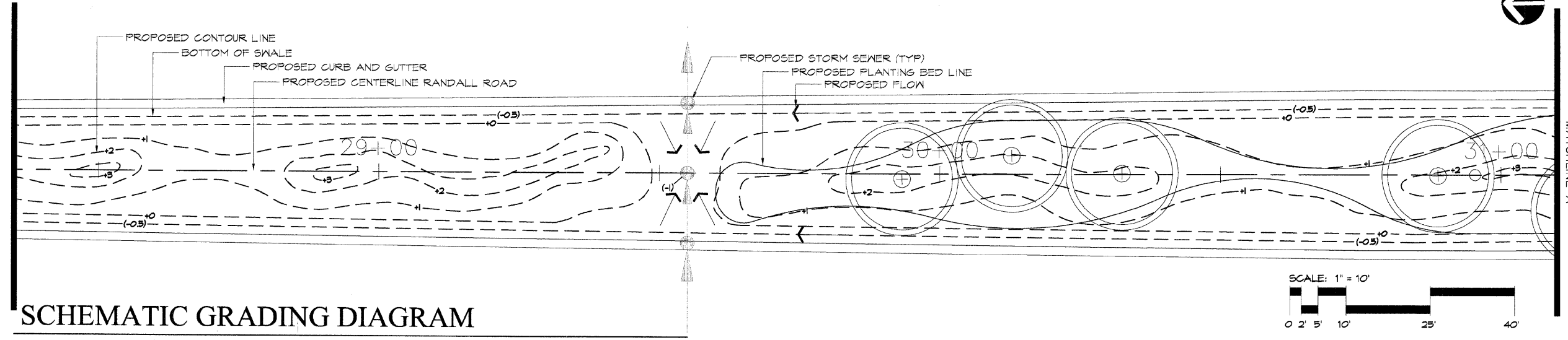
City of St. Charles
St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
HBL Project No.: 04-001.01
CADD File: *r-medians.dwg*
Drawn By: J.E.
Approved By: J.E.
Revisions: _____

LANDSCAPE MEDIAN PLANTERS

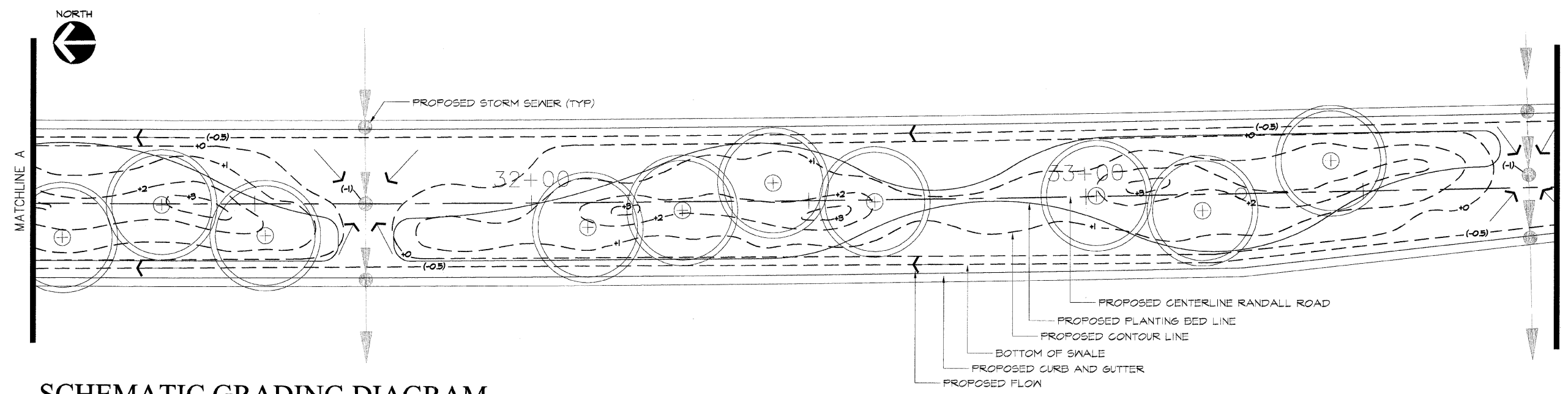
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L-1.6	187

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
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CONTRACT NO.	83782		188
LANDSCAPING PLANS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



SCHEMATIC GRADING DIAGRAM

SCALE: 1" = 10'-0"



SCHEMATIC GRADING DIAGRAM

SCALE: 1" = 10'-0"

- GENERAL LANDSCAPE MEDIAN GRADING NOTES:**
1. GRADING CONTOURS INDICATED ARE SCHEMATIC AND INTENDED TO IMPLY THE GENERAL BERMING OF THE MEDIAN LANDSCAPE PLANTER. SCHEMATIC BERMING SHALL BE TYPICAL FOR ALL MEDIAN LANDSCAPE PLANTERS.
 2. GRADING CONTOURS INDICATED ARE BASED ON THE FINAL CROSS SECTION TOP OF CURB ELEVATION BEING ZERO.
 3. A 36" WIDE SOD SWALE IS ANTICIPATED DIRECTLY ADJACENT TO THE BACK OF CURB. THE SWALE IS INTENDED TO CARRY WATER TO THE NEARBY MEDIAN CATCH BASINS INDICATED. THE BOTTOM OF SWALE SHALL HAVE AN APPROXIMATE DEPTH OF 6" BELOW THE TOP OF CURB ELEVATION.

HAYDEN BULIN LARSON
 HAYDEN BULIN LARSON
 Design Group Ltd.
 750 North Franklin Street, Suite 205
 Chicago, Illinois 60610
 312.943.3234 FAX 312.943.3302

RANDALL ROAD MEDIANS
 City of St. Charles
 St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
 HBL Project No.: 04-001.01
 CADD File: h-grading.dwg
 Drawn By: J.E.
 Approved By: J.E.
 Revisions:

LANDSCAPE MEDIAN PLAN

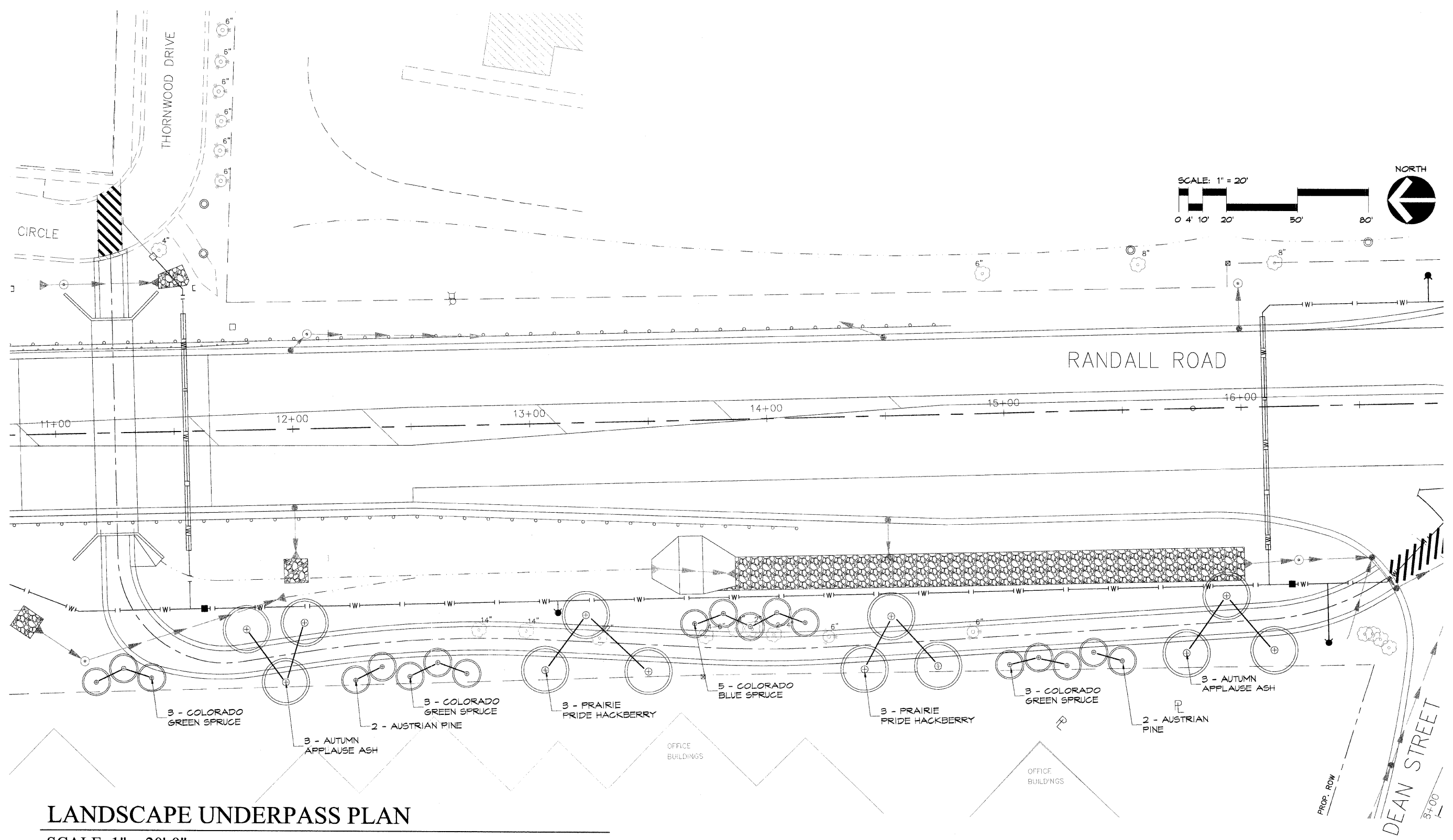
Drawing	Sheet
L-1.7	188

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268 189
CONTRACT NO.		PROJECT NO.	
83782		F-0336(008)	
LANDSCAPING PLANS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			

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BULIN LARSON**

HAYDEN BULIN LARSON
Design Group Ltd.

750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312.943.3234 FAX 312.943.3302



LANDSCAPE UNDERPASS PLAN
SCALE: 1" = 20'-0"

**RANDALL
ROAD
MEDIANS**

City of St. Charles
St. Charles, Illinois

HBL Submittal: Dec 23, 2004
HBL Project No.: 04-001.01
CADD File: h-keyplan.dwg
Drawn By: J.E.
Approved By: J.E.
Revisions:

**LANDSCAPE
UNDERPASS
PLAN**

Randall Rd. Sta. 11+00 to
Sta. 16+50

Drawing	Sheet
L-1.8	189

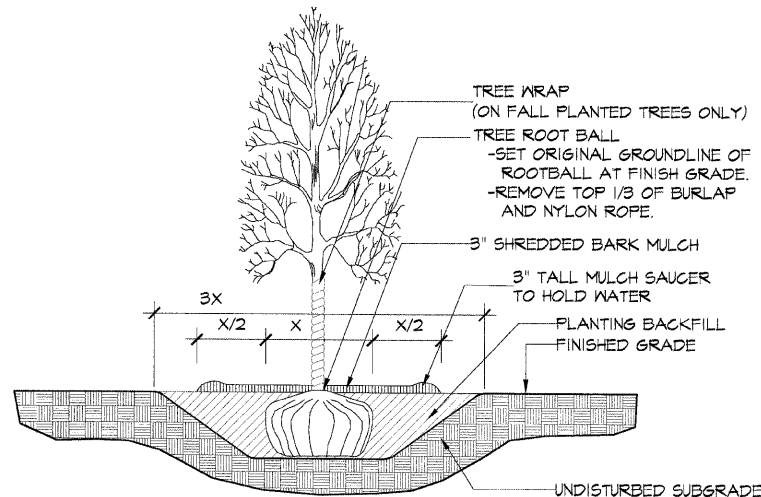
General Landscape Notes

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 842-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES INCLUDING ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- ALL STATIONS INDICATED ON PLANS ARE FROM THE PROPOSED RANDALL ROAD LAYOUT UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT ADJUTING PROPERTY, UTILITIES PEDESTRIANS, AND VEHICULAR TRAFFIC.
- THE CONTRACTOR'S VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC. THESE VEHICLES SHALL ENTER AND LEAVE WORK AREAS IN A MANNER WHICH WILL NOT BE HAZARDOUS TO OR INTERFERE WITH NORMAL TRAFFIC AND SHALL NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES ARE NOT PERMITTED TO PARK WITHIN THE RIGHT-OF-WAY UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER.
- ALL TEMPORARY REGULATORY, WARNING AND GUIDE SIGNS WITHIN THE PROPOSED IMPROVEMENT SHALL BE RELOCATED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO CROSS STREETS AND ENTRANCES AT ALL TIMES. TEMPORARY SINGLE LANE CLOSURES ARE PERMISSIBLE WITH ENGINEER APPROVAL ONLY. TRAFFIC STAGING PLAN SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY UNDERGROUND OR ABOVE GROUND UTILITIES WITHIN THE PROJECT LIMITS WHETHER OR NOT THE UTILITIES ARE SHOWN ON THE PLANS. ANY UTILITY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
- THE CONTRACTOR SHALL MAINTAIN PROPER AND ADEQUATE SURFACE DRAINAGE FOR THE ENTIRE LIMITS OF CONSTRUCTION THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL PROTECT EXISTING AND NEW UTILITIES BY METHODS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT OR CHANGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE ENGINEER SHALL DETERMINE THE LIMITS OF ALL ITEMS TO BE REMOVED OR REPLACED AND FINAL QUANTITIES SHALL BE DETERMINED FROM FIELD MEASUREMENTS OF ACTUAL WORK AS DESIGNATED BY THE ENGINEER.
- THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION. THE SCHEDULE SHALL INCLUDE THE PERIODS OF TIME IN WHICH THE WORK ITEMS ARE TO BE COMPLETED. ALL WORK BEGUN DURING A CONSTRUCTION SEASON MUST BE COMPLETED PRIOR TO THE END OF THAT SEASON.
- THE LOCATION OF ALL PLANT MATERIAL SHALL BE STAKED BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER IN FIELD PRIOR TO INSTALLATION OF ANY PLANT MATERIAL. INDIVIDUAL TREES SHALL BE STAKED WITH IDENTITIES WRITTEN ON STAKES. SHRUB AND PERENNIAL BEDS SHALL BE OUTLINED WITH STAKES AND PAINTED LINES.
- THE CONTRACTOR SHALL DISCUSS STAGING AREA OPTIONS WITH ENGINEER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION. THE COSTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACEMENT OF ANY BENCH MONUMENT DAMAGED OR DESTROYED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING ITEMS NOT SCHEDULED TO BE ADJUSTED, RELOCATED, OR REMOVED INCLUDING CURBS, FENCES, PAVEMENTS, UTILITIES, AND EXISTING VEGETATION INTENDED TO REMAIN. ANY ITEMS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
- THE LANDSCAPE CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER DISCIPLINES OF WORK AS DESCRIBED ON THE DRAWINGS AND AS OUTLINED IN THE SPECIFICATIONS AND PRIMARILY WITH THE IRRIGATION SUBCONTRACTOR.

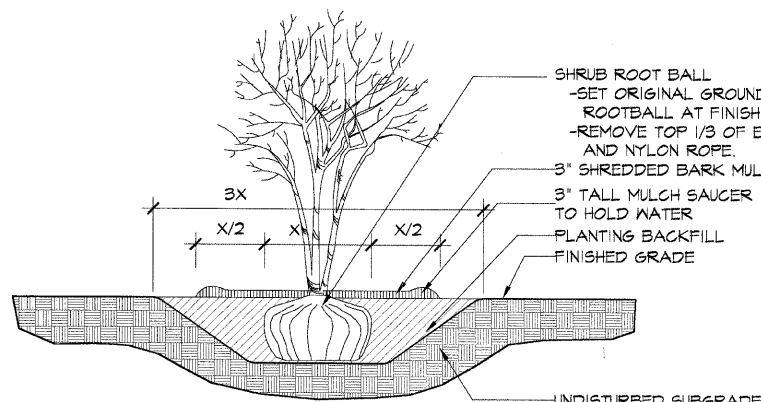
Schedule of Plant Material

Botanical name	Common name	Size	Spacing	TOTAL
SHADE TREES				
<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	3" cal.	as shown	8
<i>Fraxinus americana</i> 'Autumn Applause'	Autumn Applause White Ash	3" cal.	as shown	6
<i>Ginkgo biloba</i> 'Autumn Gold'	Autumn Gold Maidenhair Tree	3" cal.	as shown	1
<i>Gleditsia triacanthos</i> var. <i>inermis</i> 'Shademaster'	Shademaster Honeylocust	3" cal.	as shown	6
<i>Gymnocladus dioica</i>	Kentucky Coffeetree	3" cal.	as shown	5
<i>Quercus bicolor</i>	Swamp White Oak	3" cal.	as shown	4
<i>Quercus robur</i>	English Oak	3" cal.	as shown	4
<i>Quercus rubra</i>	Red Oak	3" cal.	as shown	10
<i>Ulmus x Mortonii</i> 'Glossy'	Triumph Elm	3" cal.	as shown	6
<i>Ulmus x Mortonii</i> 'Stalnart'	Commendation Elm	3" cal.	as shown	4
EVERGREEN TREES				
<i>Pinus nigra</i>	Austrian Pine	6' ht.	as shown	4
<i>Picea pungens</i>	Colorado Green Spruce	6' ht.	as shown	9
<i>Picea pungens</i> 'Glauca'	Colorado Blue Spruce	6' ht.	as shown	5
SHRUBS				
<i>Aronia melanocarpa</i> 'Morton'	Iroquois Beauty Black Chokeberry	30" ht.	36" o.c.	108
<i>Berberis thunbergii</i> 'Ballone'	Ruby Carousel Barberry	24" ht.	24" o.c.	224
<i>Kerria japonica</i>	Japanese Kerria	30" ht.	36" o.c.	98
<i>Nepeta x faassenii</i> 'Walkers Low'	Walkers Low Catmint	24" ht.	18" o.c.	61
<i>Rhus aromatica</i> 'Gro-Lo'	Gro-Lo Sumac	18" ht.	36" o.c.	188
<i>Rosa rugosa</i> 'Foxi Pavement'	Pink Rugosa Rose	18" ht.	30" o.c.	28
<i>Rosa rugosa</i> 'Scarlet Pavement'	Scarlet Rugosa Rose	18" ht.	30" o.c.	26
<i>Rosa rugosa</i> 'Snow Pavement'	White Rugosa Rose	18" ht.	30" o.c.	28
<i>Spiraea x bumalda</i> 'Magic Carpet'	Magic Carpet Spiraea	24" ht.	24" o.c.	161
PERENNIALS				
<i>Allium schoenoprasum</i> 'Forescate'	Ornamental Onion	1 gal.	12" o.c.	71
<i>Allium tanguticum</i> 'Summer Beauty'	Globe Lily	1 gal.	12" o.c.	89
<i>Asclepias tuberosa</i>	Butterfly weed	1 gal.	18" o.c.	61
<i>Echinacea pallida</i>	Purple Coneflower	1 gal.	18" o.c.	114
<i>Hemerocallis</i> 'Chicago Apache'	Chicago Apache Daylily	1 gal.	15" o.c.	117
<i>Hemerocallis</i> 'Happy Returns'	Happy Returns Daylily	1 gal.	15" o.c.	124
<i>Rudbeckia hirta</i>	Black-eyed Susan	1 gal.	18" o.c.	114
<i>Sedum</i> 'Autumn Joy'	Autumn Joy Sedum	1 gal.	18" o.c.	68
<i>Solidago nemoralis</i>	Goldenrod	1 gal.	24" o.c.	131
GRASSES				
<i>Bouteloua curtipendula</i>	Side Oats Gramma	1 gal.	24" o.c.	274
<i>Carex muskingumensis</i>	Palm Sedge	1 gal.	18" o.c.	58
<i>Carex muskingumensis</i> 'Oenme'	Variegated Palm Sedge	1 gal.	18" o.c.	34
<i>Miscanthus sinensis</i> 'Graziella'	Japanese Silver Grass	1 gal.	36" o.c.	18
<i>Miscanthus sinensis</i> 'Strictus'	Porcupine Grass	1 gal.	36" o.c.	70
<i>Molinia arundinacea</i> 'Transparent'	Tall Moor Grass	1 gal.	36" o.c.	34
<i>Molinia caerulea</i> 'Moarhexe'	Purple Moor Grass	1 gal.	30" o.c.	77
<i>Panicum virgatum</i> 'Heavy Metal'	Heavy Metal Switch Grass	1 gal.	24" o.c.	47
<i>Schizachyrium scaparium</i>	Little Bluestem	1 gal.	24" o.c.	80
<i>Setaria autumnalis</i>	Autumn Moor Grass	1 gal.	24" o.c.	112
<i>Sorghastrum nutans</i>	Indian Grass	1 gal.	36" o.c.	24
<i>Sporobolus heterolepis</i>	Prairie Dropseed	1 gal.	30" o.c.	291
VINES AND BULBS				
<i>Narcissus</i> spp.	* Mixed Daffodils	14+ cm	*** 15" o.c.	3,760

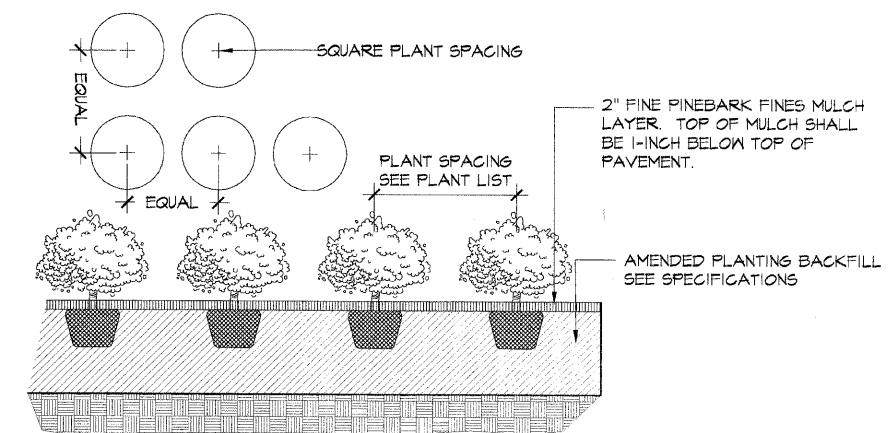
* Daffodil Mix shall contain an equal blending of a minimum of 5 varieties of 12" to 18" ht. White and Yellow Daffodils.
 *** Daffodil Mix planting locations shall be obtained from the Landscape Architect prior to any planting.



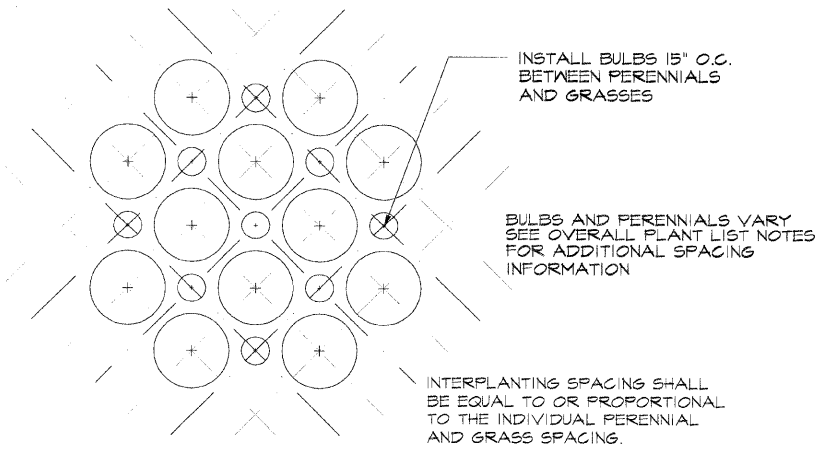
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No Scale



2 SHRUB PLANTING DETAIL
No Scale



3 PERENNIAL / GROUND COVER PLANTING DETAIL
No Scale



4 INTERPLANTING DETAIL
No Scale

HAYDEN BULIN LARSON
 HAYDEN BULIN LARSON
 Design Group Ltd.
 750 North Franklin Street, Suite 205
 Chicago, Illinois 60610
 312.943.3234 FAX 312.943.3302

RANDALL ROAD MEDIANS
 City of St. Charles
 St. Charles, Illinois

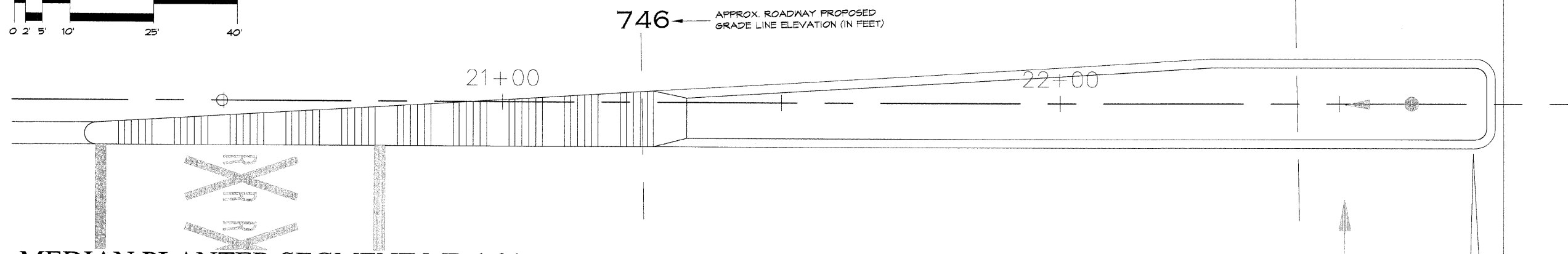
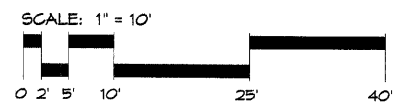
HBL Submittal: Dec. 23, 2004
 HBL Project No.: 04-001.01
 CADD File: h-detail.dwg
 Drawn By: J.E.
 Approved By: J.E.
 Revisions:

LANDSCAPE DETAILS AND GENERAL NOTES

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00743-00-PV	KANE	268
CONTRACT NO. 83782			191
LANDSCAPING PLANS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(00B)			

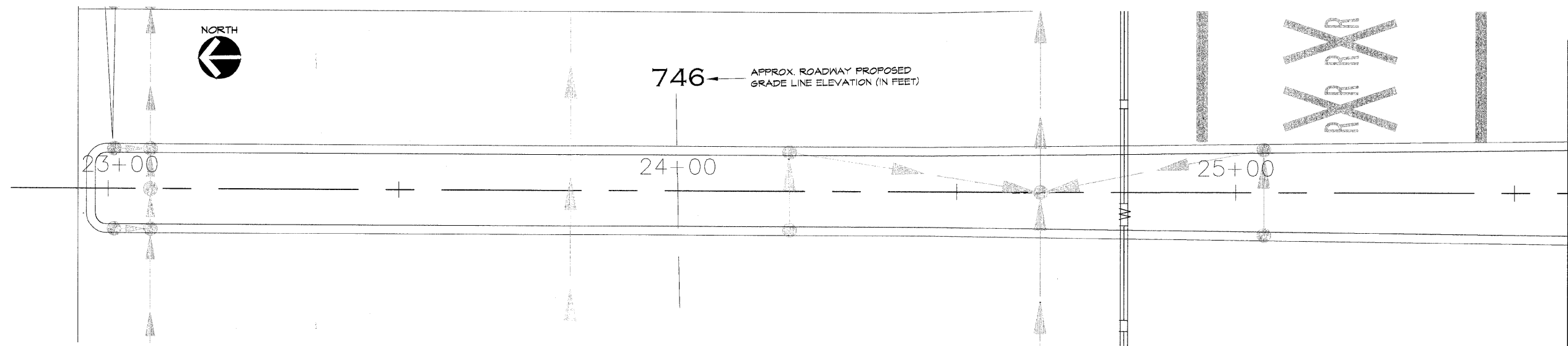


LP:745.2



MEDIAN PLANTER SEGMENT MP-1.01

SCALE: 1" = 10'-0"



MEDIAN PLANTER SEGMENT MP-2.01

SCALE: 1" = 10'-0"

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 HAYDEN BULIN LARSON
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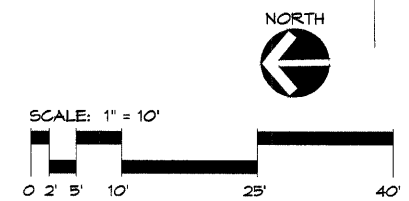
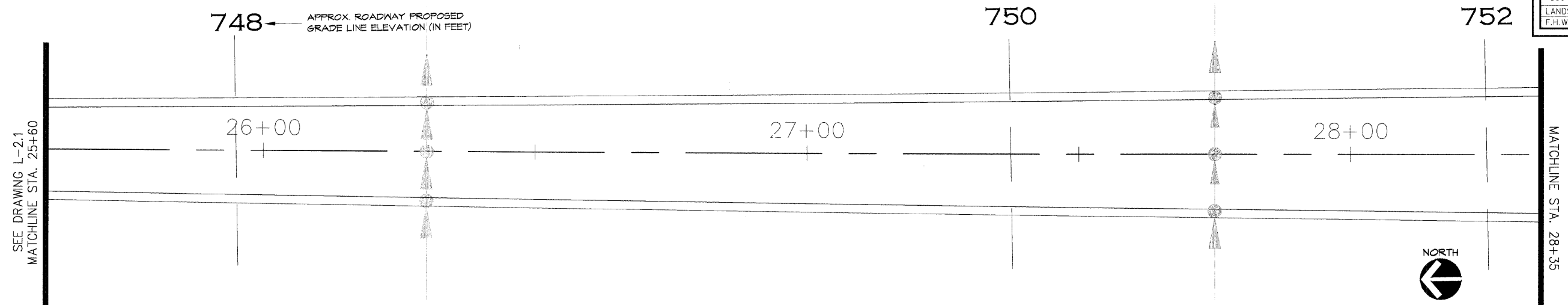
RANDALL ROAD MEDIANS
 City of St. Charles
 St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
 HBL Project No.: 04-001.01
 CADD File: h-irrigation.dwg
 Drawn By: J.E.
 Approved By: J.E.
 Revisions:

IRRIGATION PLANS

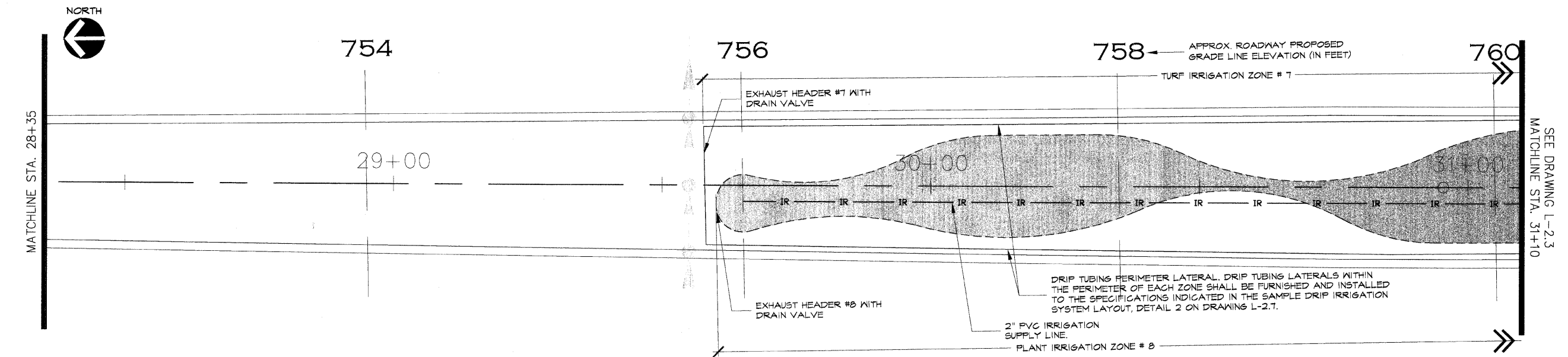
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F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
99-00243-00-PV	336	KANE	268
CONTRACT NO.	83782		192
LANDSCAPING PLANS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



MEDIAN PLANTER SEGMENT MP-2.02

SCALE: 1" = 10'-0"



MEDIAN PLANTER SEGMENT MP-2.03

SCALE: 1" = 10'-0"

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 HAYDEN BULIN LARSON
 Design Group Ltd.
 750 North Franklin Street, Suite 205
 Chicago, Illinois 60610
 312.943.3234 FAX 312.943.3302

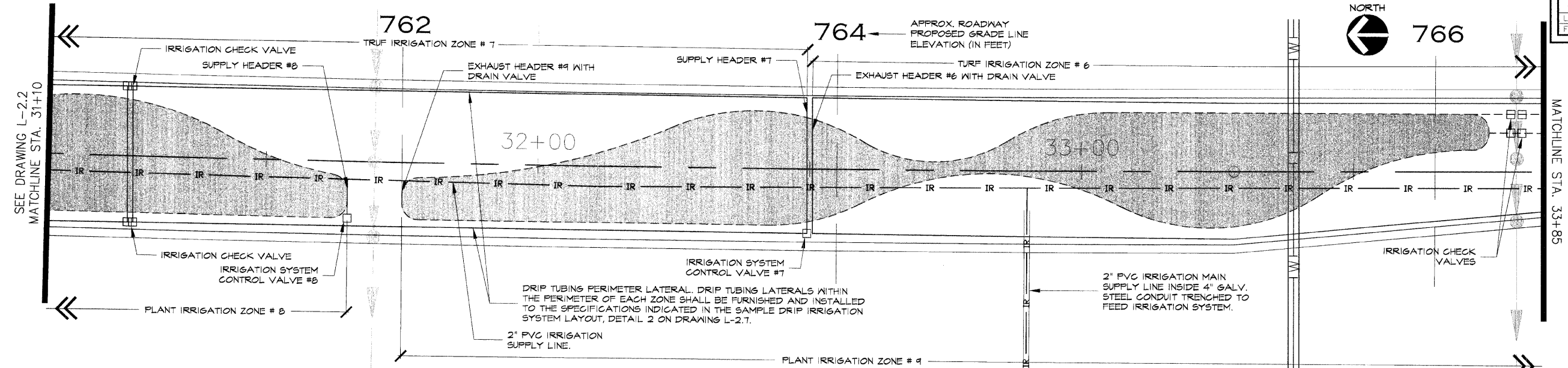
RANDALL ROAD MEDIANS
 City of St. Charles
 St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
 HBL Project No.: 04-001.01
 CADD File: h-irrigation.dwg
 Drawn By: J.E.
 Approved By: J.E.
 Revisions:

IRRIGATION PLANS

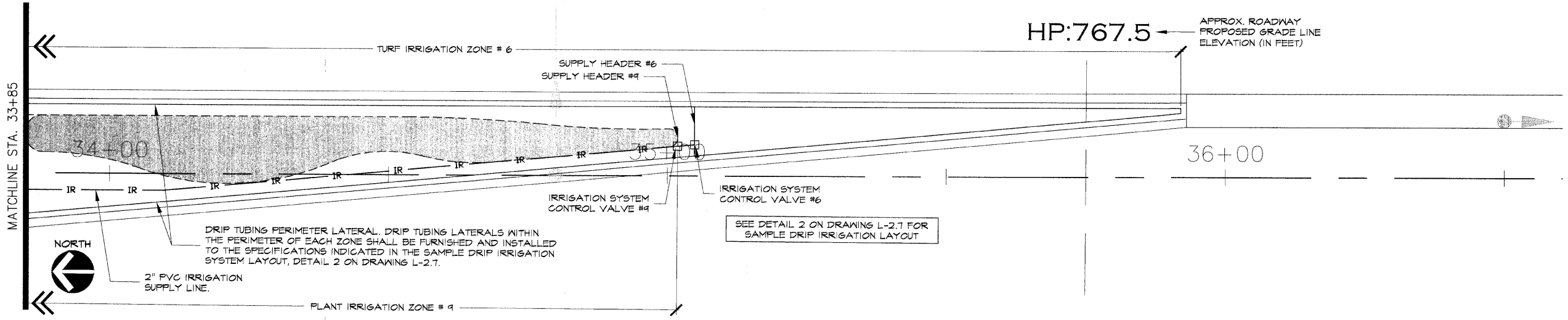
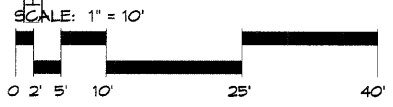
Drawing	Sheet
L-2.2	192

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		SHTS. NO.
	83782		193
LANDSCAPING PLANS			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



MEDIAN PLANTER SEGMENT MP-2.04

SCALE: 1" = 10'-0"



MEDIAN PLANTER SEGMENT MP-2.05

SCALE: 1" = 10'-0"

HAYDEN BULIN LARSON

HAYDEN BULIN LARSON
Design Group Ltd.
750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312.943.3234 FAX 312.943.3302

RANDALL ROAD MEDIANS

City of St. Charles
St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
HBL Project No.: 04-001.01
CADD File: Irrigation.dwg
Drawn By: J.E.
Approved By: J.E.
Revisions:

IRRIGATION PLANS

Drawing L-2.3 Sheet 193

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
99-00243-00-PV	336	KANE	268
CONTRACT NO.	83782		194
LANDSCAPING PLANS			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			

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HAYDEN BULIN LARSON
Design Group Ltd.
750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312.943.3234 FAX 312.943.3302

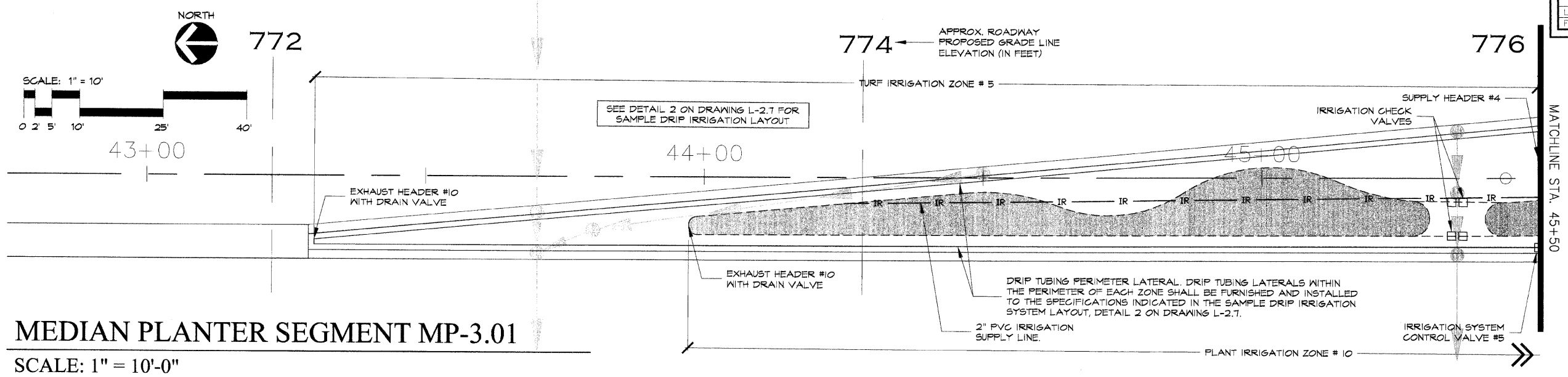
RANDALL ROAD MEDIANS

City of St. Charles
St. Charles, Illinois

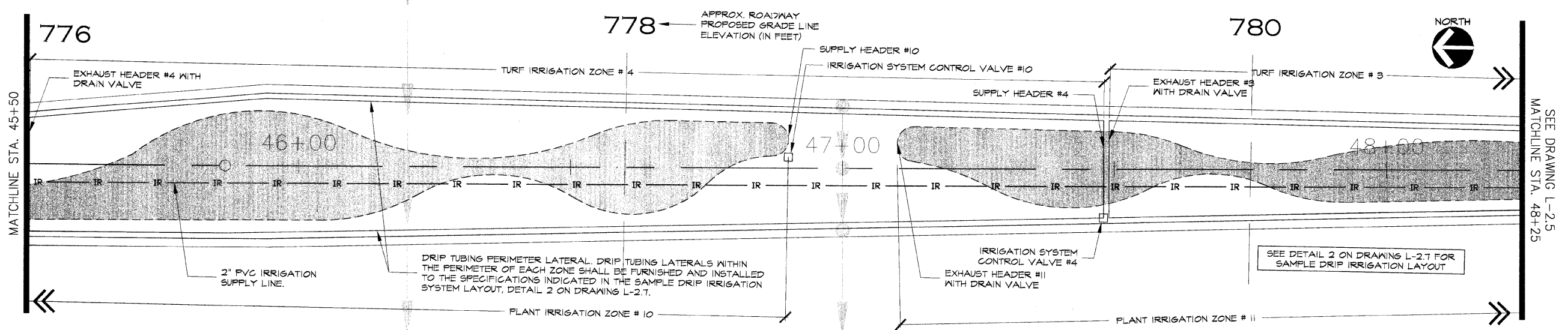
HBL Submittal: Dec. 23, 2004
HBL Project No.: 04.001.01
CADD File: h-irrigation.dwg
Drawn By: J.E.
Approved By: J.E.
Revisions: _____

IRRIGATION PLANS

Drawing L-2.4 Sheet 194

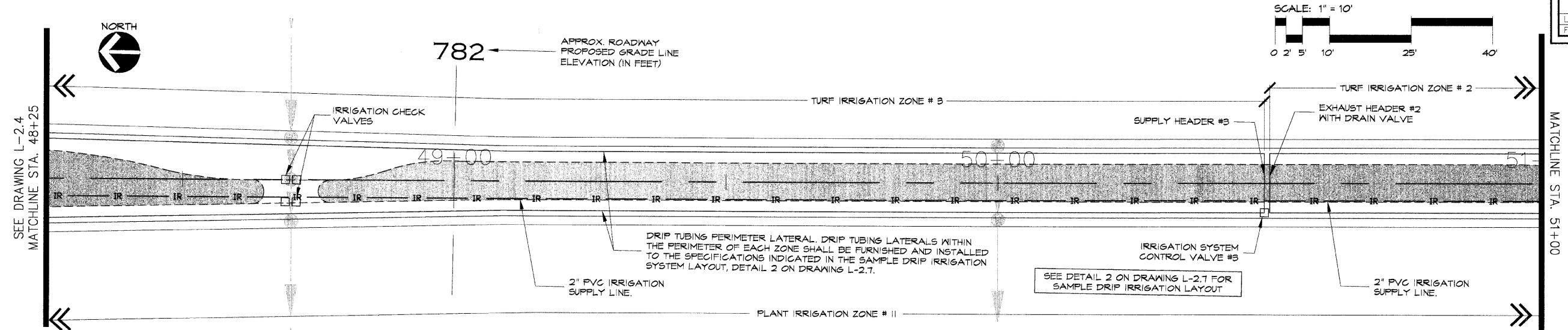


MEDIAN PLANTER SEGMENT MP-3.01
SCALE: 1" = 10'-0"



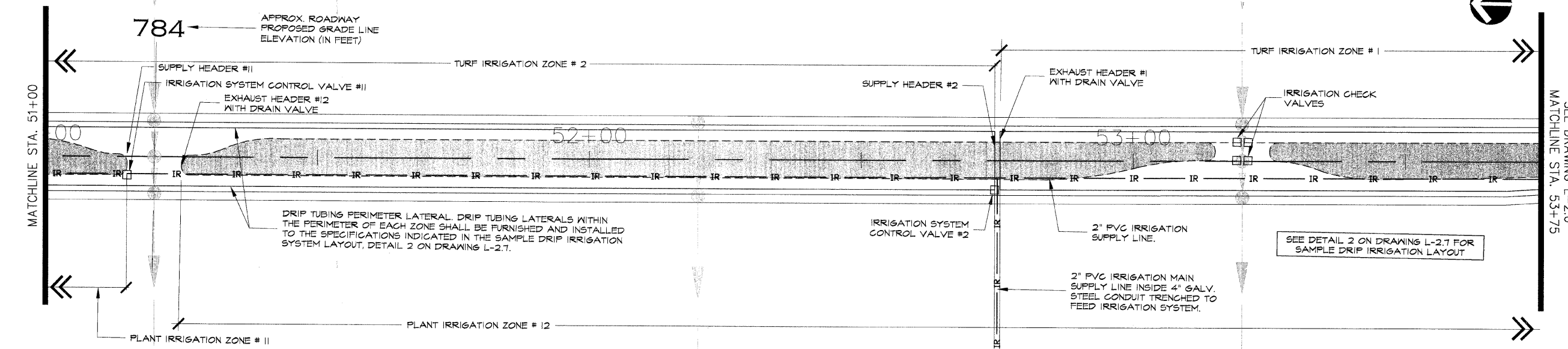
MEDIAN PLANTER SEGMENT MP-3.02
SCALE: 1" = 10'-0"

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
CONTRACT NO.	83782		195
LANDSCAPING PLANS			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



MEDIAN PLANTER SEGMENT MP-3.03

SCALE: 1" = 10'-0"



MEDIAN PLANTER SEGMENT MP-3.04

SCALE: 1" = 10'-0"

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HAYDEN BULIN LARSON
Design Group Ltd.
750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312.943.3234 FAX 312.943.3302

RANDALL ROAD MEDIANS

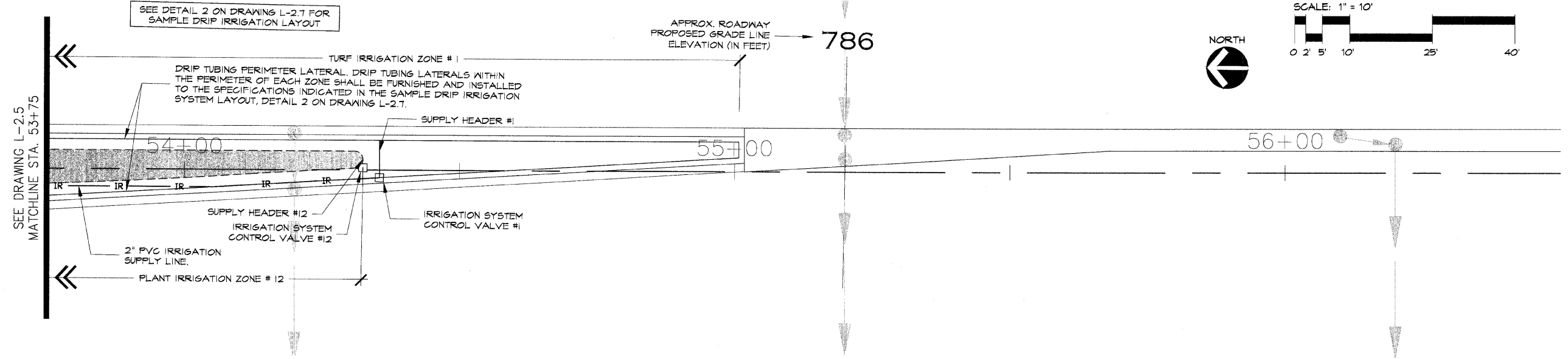
City of St. Charles
St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
HBL Project No.: 04-001.01
CADD File: *k-irrigation.dwg*
Drawn By: J.E.
Approved By: J.E.
Revisions:

IRRIGATION PLANS

Drawing	Sheet
L-2.5	195

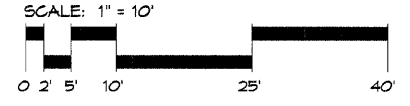
F.A.P. 1	COUNTY SECTION	COUNTY	TOTAL SHEET
ROUTE 336	99-00243-00-PV	KANE	SHITS. NO.
	CONTRACT NO.		268 196
	83782		
LANDSCAPING PLANS			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



SEE DRAWING L-2.5
MATCHLINE STA. 53+75

SEE DETAIL 2 ON DRAWING L-2.7 FOR
SAMPLE DRIP IRRIGATION LAYOUT

APPROX. ROADWAY
PROPOSED GRADE LINE
ELEVATION (IN FEET) → 786



MEDIAN PLANTER SEGMENT MP-3.05

SCALE: 1" = 10'-0"

**HAYDEN
BULIN LARSON**
HAYDEN BULIN LARSON
Design Group Ltd.
750 North Franklin Street, Suite 205
Chicago, Illinois 60610
312.943.3234 FAX 312.943.3302

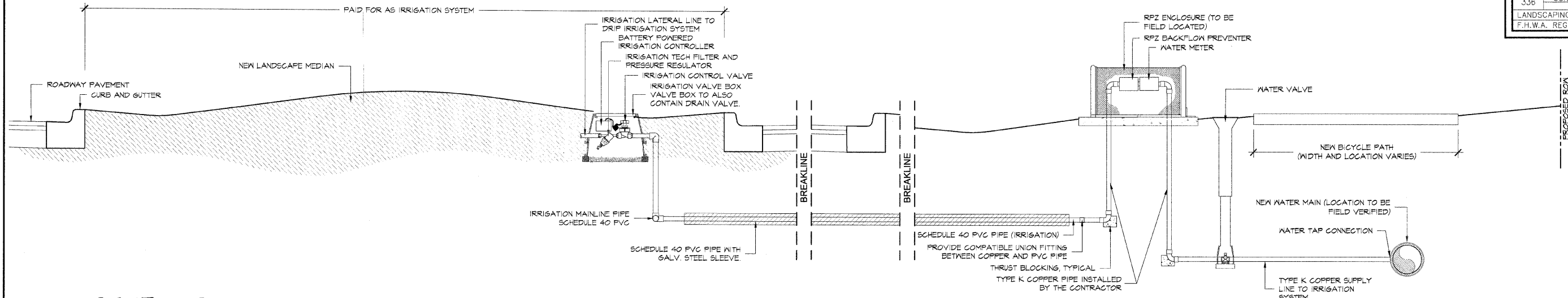
**RANDALL
ROAD
MEDIANS**
City of St. Charles
St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
HBL Project No.: 04-001.01
CADD File: *h-irrigation.dwg*
Drawn By: J.E.
Approved By: J.E.
Revisions:

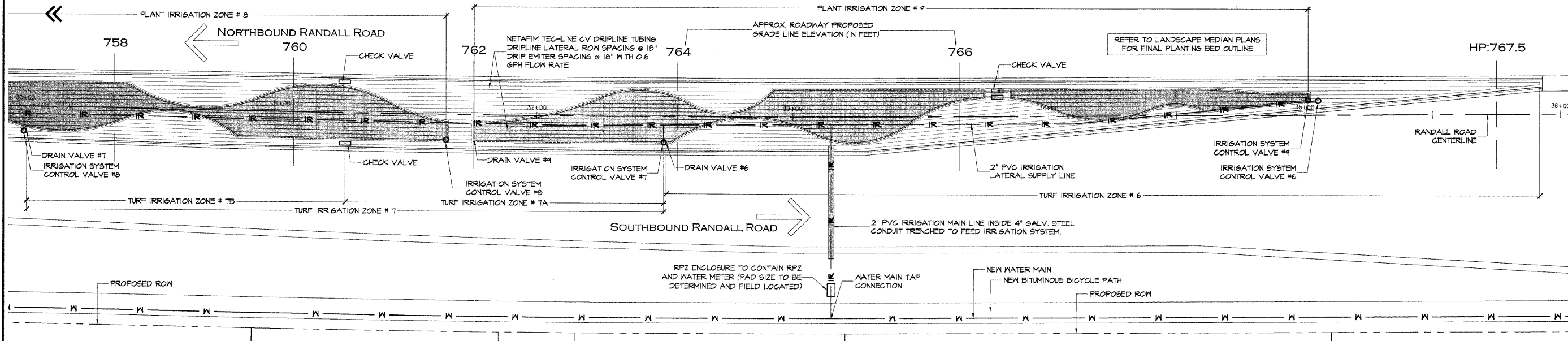
**IRRIGATION
PLANS**

Drawing	Sheet
L-2.6	196

HAYDEN BULIN LARSON
 HAYDEN BULIN LARSON
 Design Group Ltd.
 750 North Franklin Street, Suite 205
 Chicago, Illinois 60610
 312.943.3234 FAX 312.943.3302



1 SCHEMATIC IRRIGATION SUPPLY SYSTEM DETAIL
 No Scale



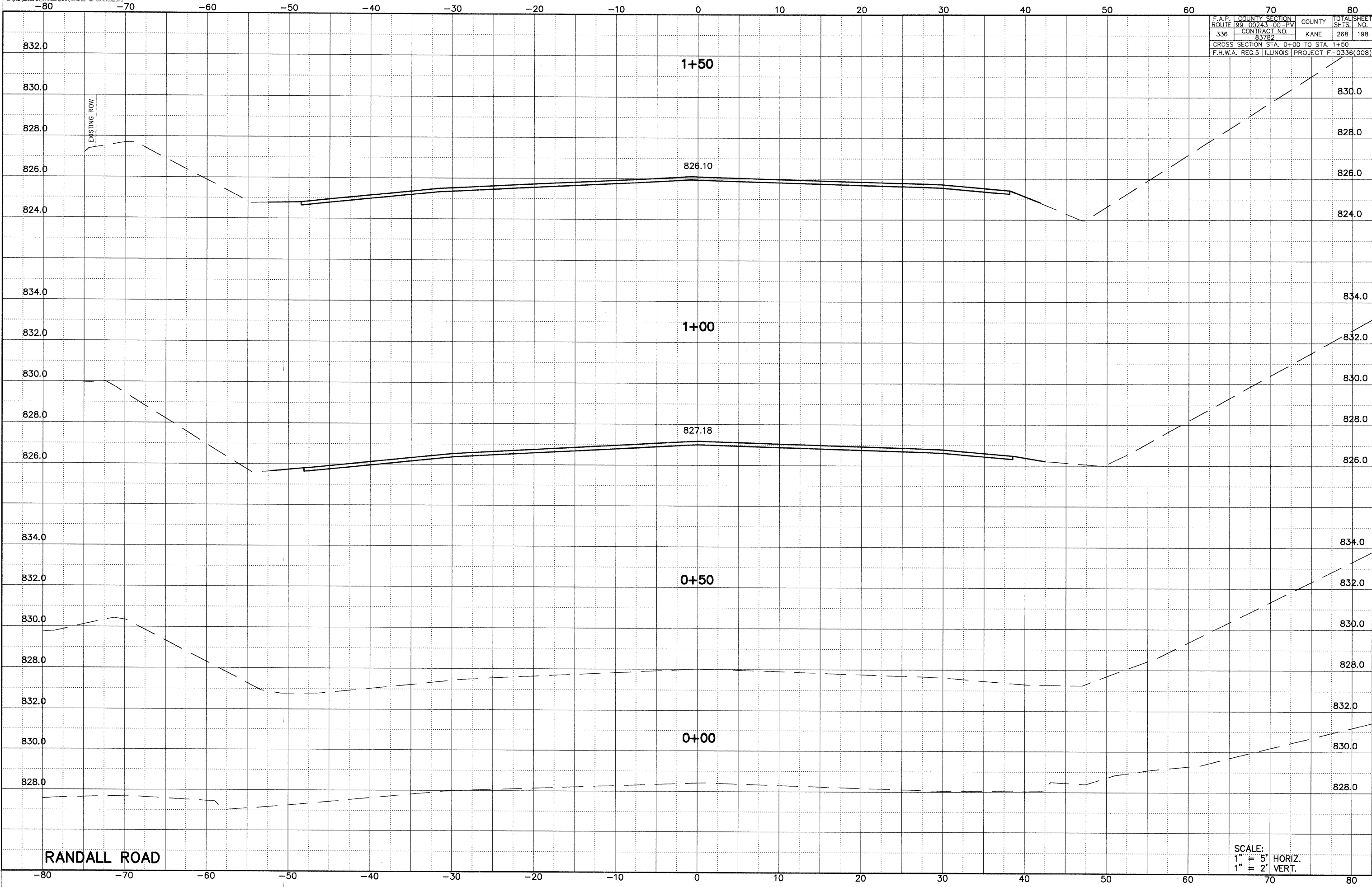
2 SCHEMATIC DRIP IRRIGATION LAYOUT
 Scale: 1" = 10'-0"

- General Irrigation Notes**
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL JULIE AT (800) 842-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES INCLUDING ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
 - ALL STATIONS INDICATED ON PLANS ARE FROM THE PROPOSED RANDALL ROAD LAYOUT UNLESS OTHERWISE NOTED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY UNDERGROUND OR ABOVE GROUND UTILITIES WITHIN THE PROJECT LIMITS WHETHER OR NOT THE UTILITIES ARE SHOWN ON THE PLANS. ANY UTILITY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
 - THE CONTRACTOR SHALL MAINTAIN PROPER AND ADEQUATE SURFACE DRAINAGE FOR THE ENTIRE LIMITS OF CONSTRUCTION THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD.
 - THE CONTRACTOR SHALL PROTECT EXISTING AND NEW UTILITIES BY METHODS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT OR CHANGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES AS SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 - THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO COMMENCING CONSTRUCTION. THE COSTS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY EXISTING ITEMS NOT SCHEDULED TO BE ADJUSTED, RELOCATED, OR REMOVED INCLUDING CURBS, FENCES, PAVEMENTS, UTILITIES, AND EXISTING VEGETATION INTENDED TO REMAIN. ANY ITEMS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
 - THE CONTRACTOR SHALL COORDINATE WATER MAIN CONNECTIONS WITH THE CITY OF ST. CHARLES PUBLIC WORKS PRIOR TO THE BEGINNING OF CONSTRUCTION.
 - ALL GENERAL NOTES LISTED ON DRAWINGS AND WITHIN SPECIFICATIONS FOR THIS PROJECT ALSO APPLY.
 - IRRIGATION ITEMS SHOWN ARE DIAGRAMMATIC AND SHALL BE ADJUSTED BY THE CONTRACTOR TO ACCOMMODATE EXISTING AND PROPOSED CONDITIONS.
 - LANDSCAPE PLANT MATERIAL IS NOT SHOWN ON IRRIGATION PLANS. CONTRACTOR SHALL COORDINATE IRRIGATION PLANS WITH THE LANDSCAPE MEDIAN PLANS AND MAKE ADJUSTMENTS TO IRRIGATION ITEMS WHERE NEEDED TO ACCOMMODATE PROPOSED LANDSCAPE PLANTINGS.
 - IRRIGATION QUICK COUPLERS SHALL BE SPACED ON 100 FOOT CENTERS THROUGHOUT THE ENTIRE TURF IRRIGATION ZONE.
 - THE IRRIGATION CONTRACTOR SHALL COORDINATE WORK WITH ALL OTHER DISCIPLINES OF WORK AS DESCRIBED ON THE DRAWINGS AND AS OUTLINED IN THE SPECIFICATIONS AND PRIMARILY WITH THE LANDSCAPE SUBCONTRACTOR.

RANDALL ROAD MEDIANS
 City of St. Charles
 St. Charles, Illinois

HBL Submittal: Dec. 23, 2004
 HBL Project No.: 04-001.01
 CADD File: h-details.dwg
 Drawn By: J.E.
 Approved By: J.E.
 Revisions:

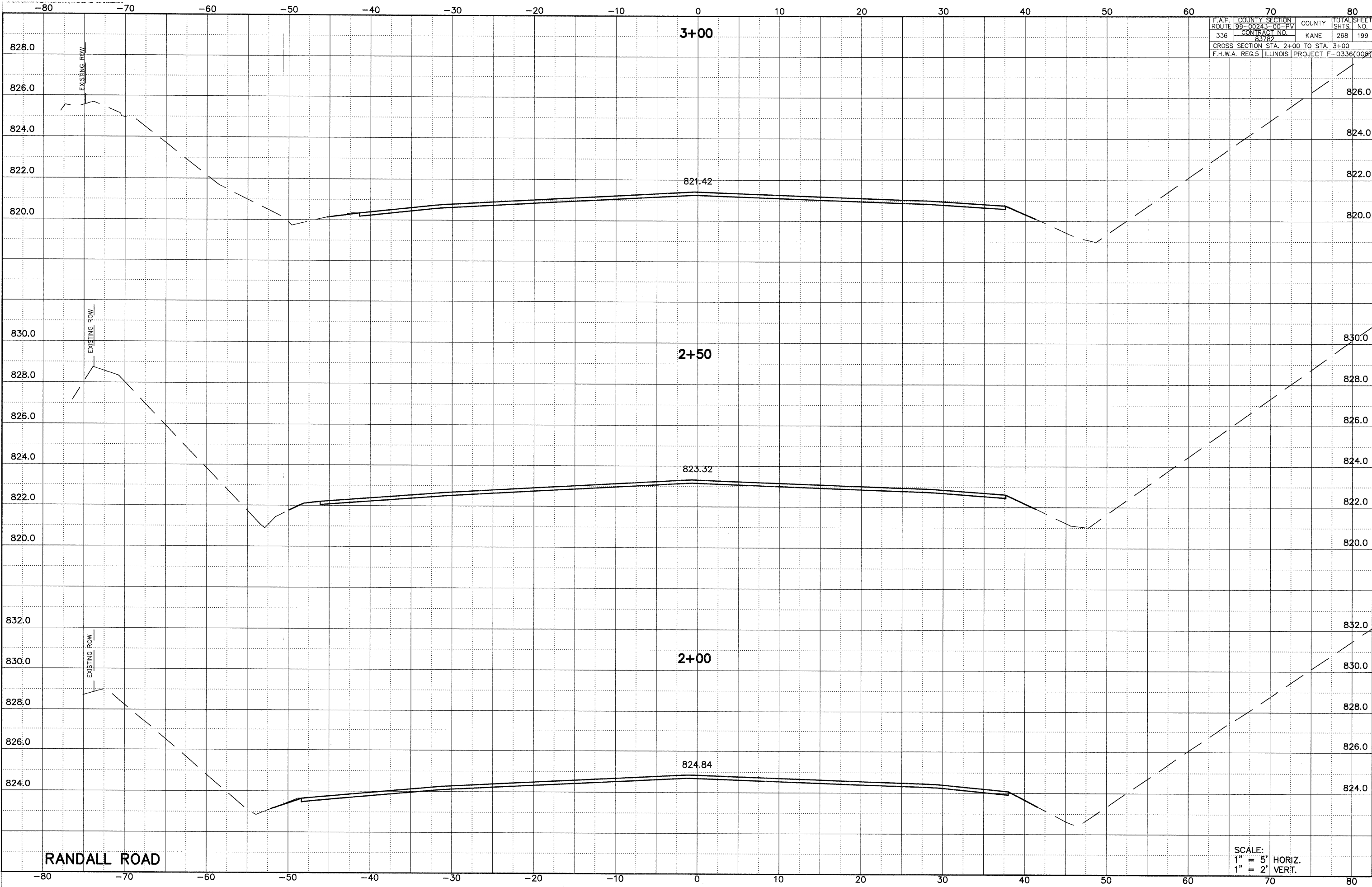
IRRIGATION DETAILS



F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEET
336	KANE	00-0243-00-PV	268	198
		CONTRACT NO.		
		83782		
CROSS SECTION STA. 0+00 TO STA. 1+50				
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)				

RANDALL ROAD

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.



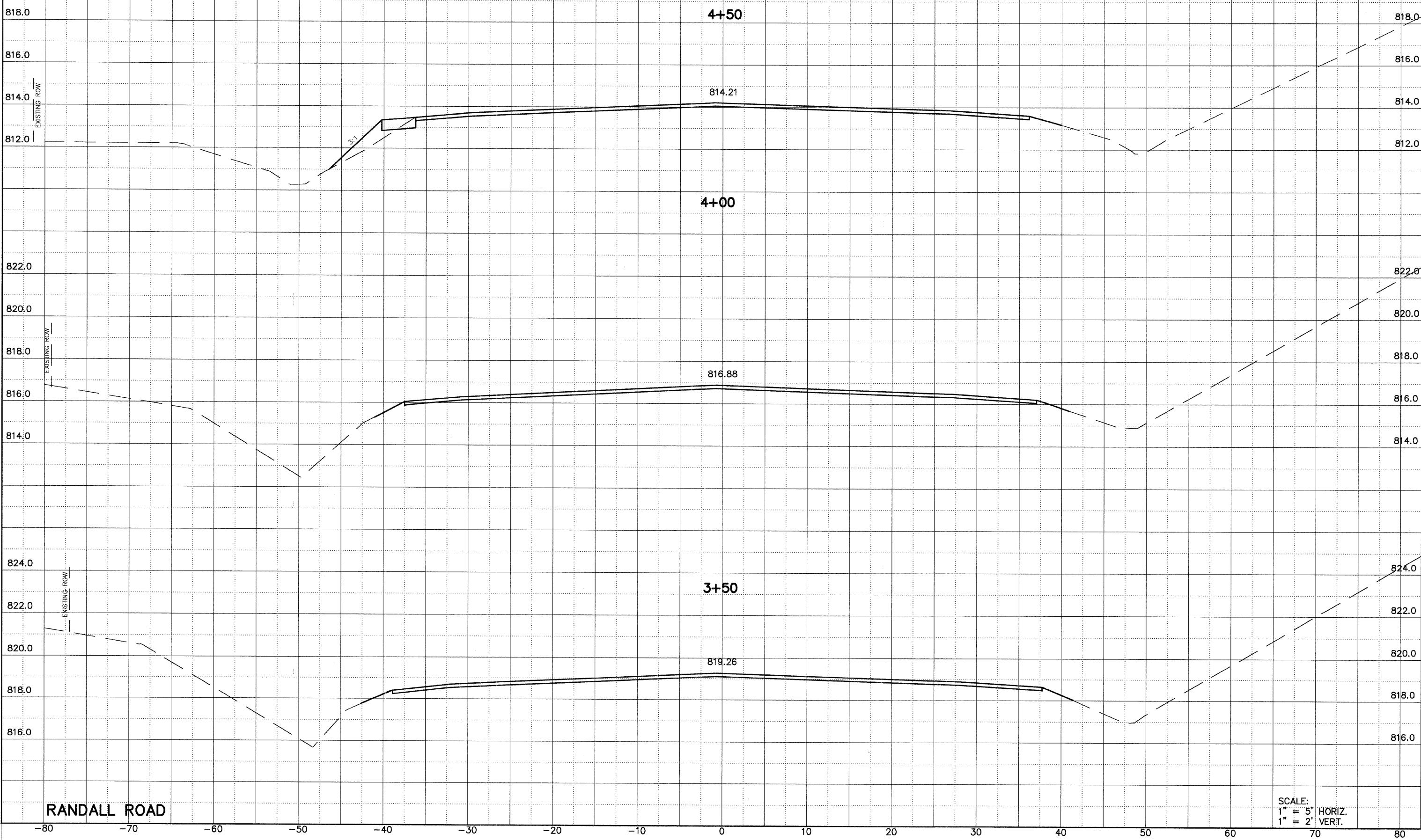
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-0024-00-EV	KANE	268
CONTRACT NO.		SHTS. NO.	
83782		199	
CROSS SECTION STA. 2+00 TO STA. 3+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(002)			

RANDALL ROAD

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

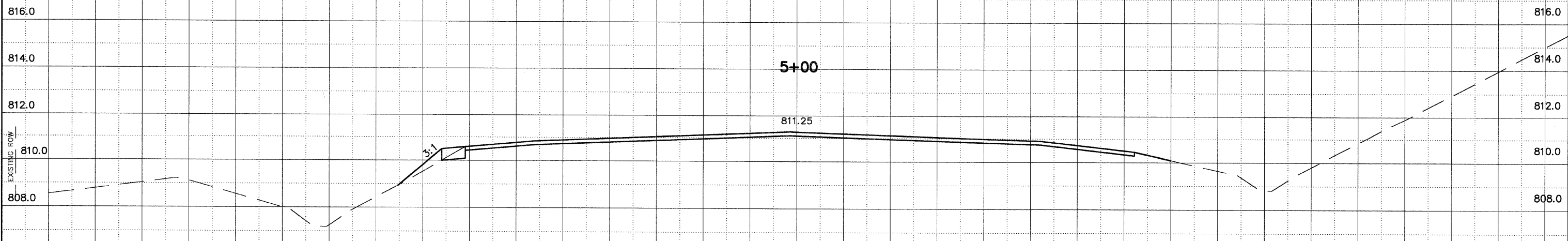
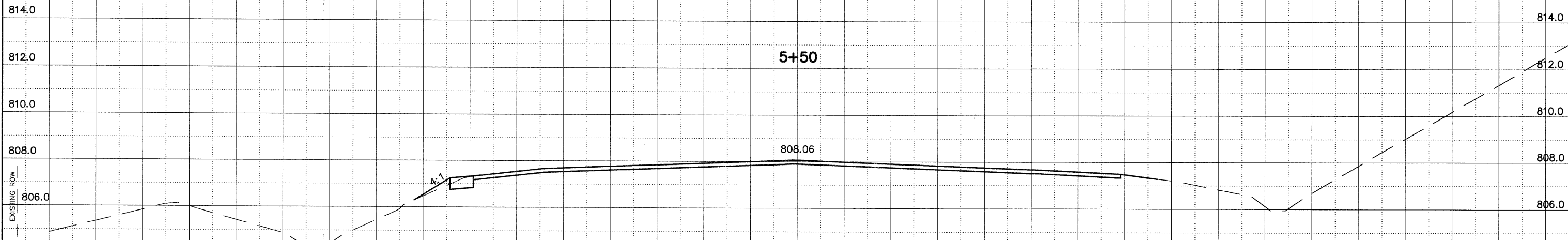
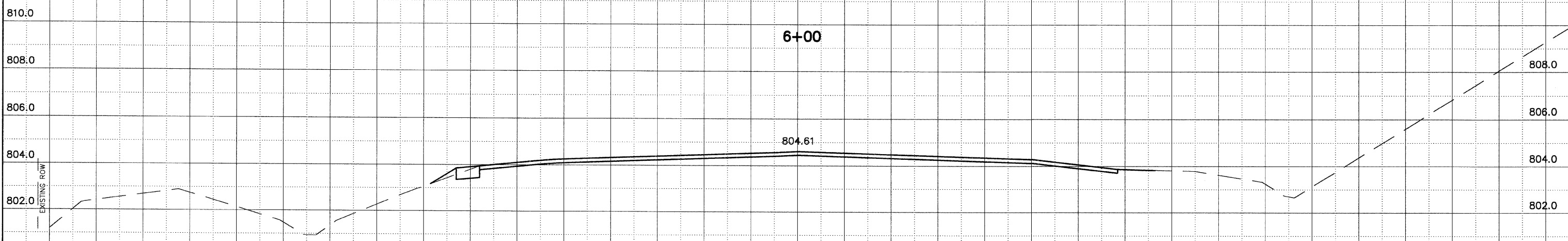
-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEET
336	KANE	99-00243-00-PV	268	200
CONTRACT NO.		PROJECT F-0336(008)		
83782		ILLINOIS		
CROSS SECTION STA. 3+50 TO STA. 4+50				



-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

F.A.P. COUNTY SECTION	COUNTY	TOTAL SHEET
ROUTE 95-00243-00-EV	KANE	SHITS NO.
336 CONTRACT NO. 83782		268 201
CROSS SECTION STA. 5+00 TO STA. 6+00		
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)		

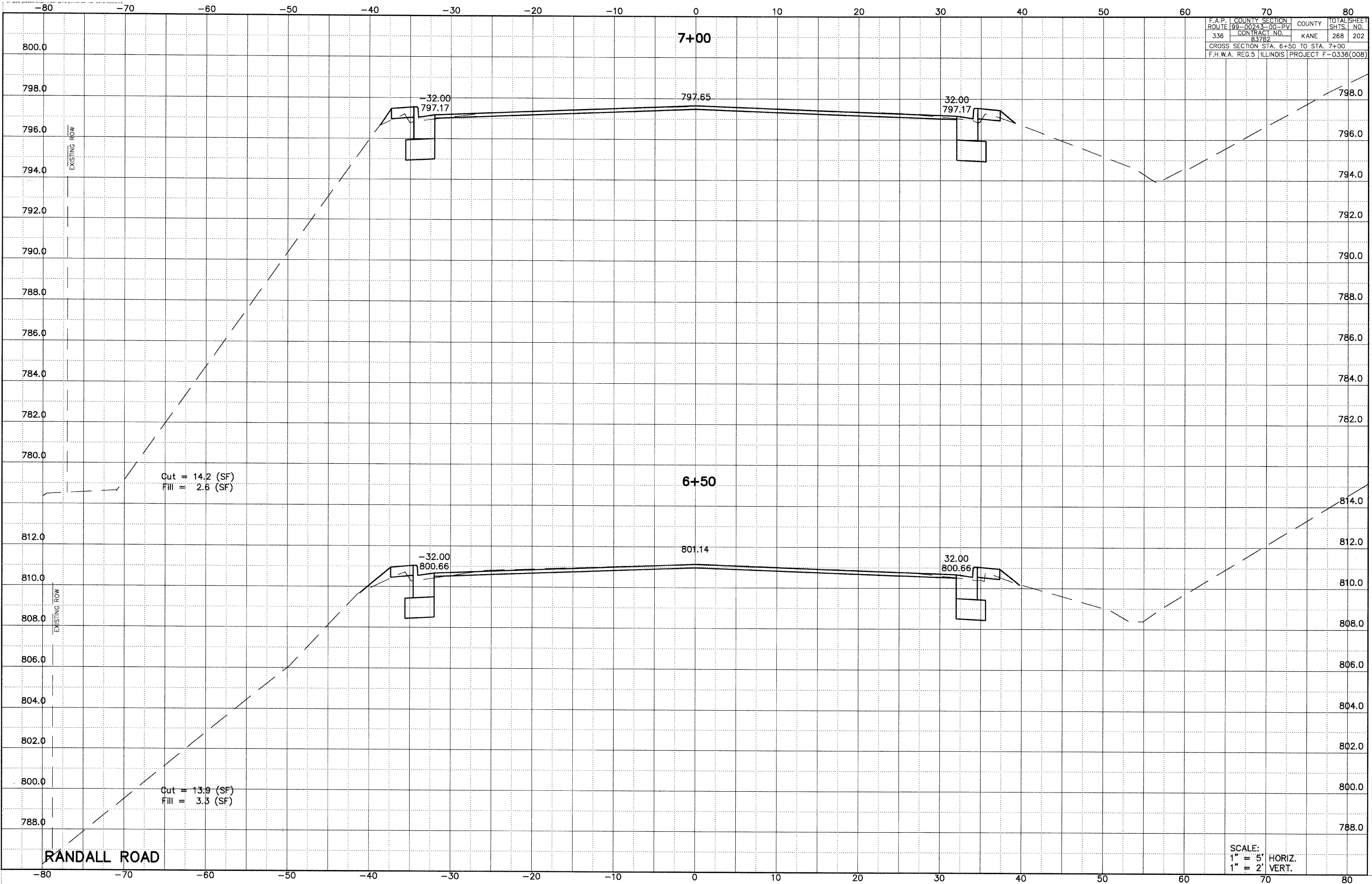


RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

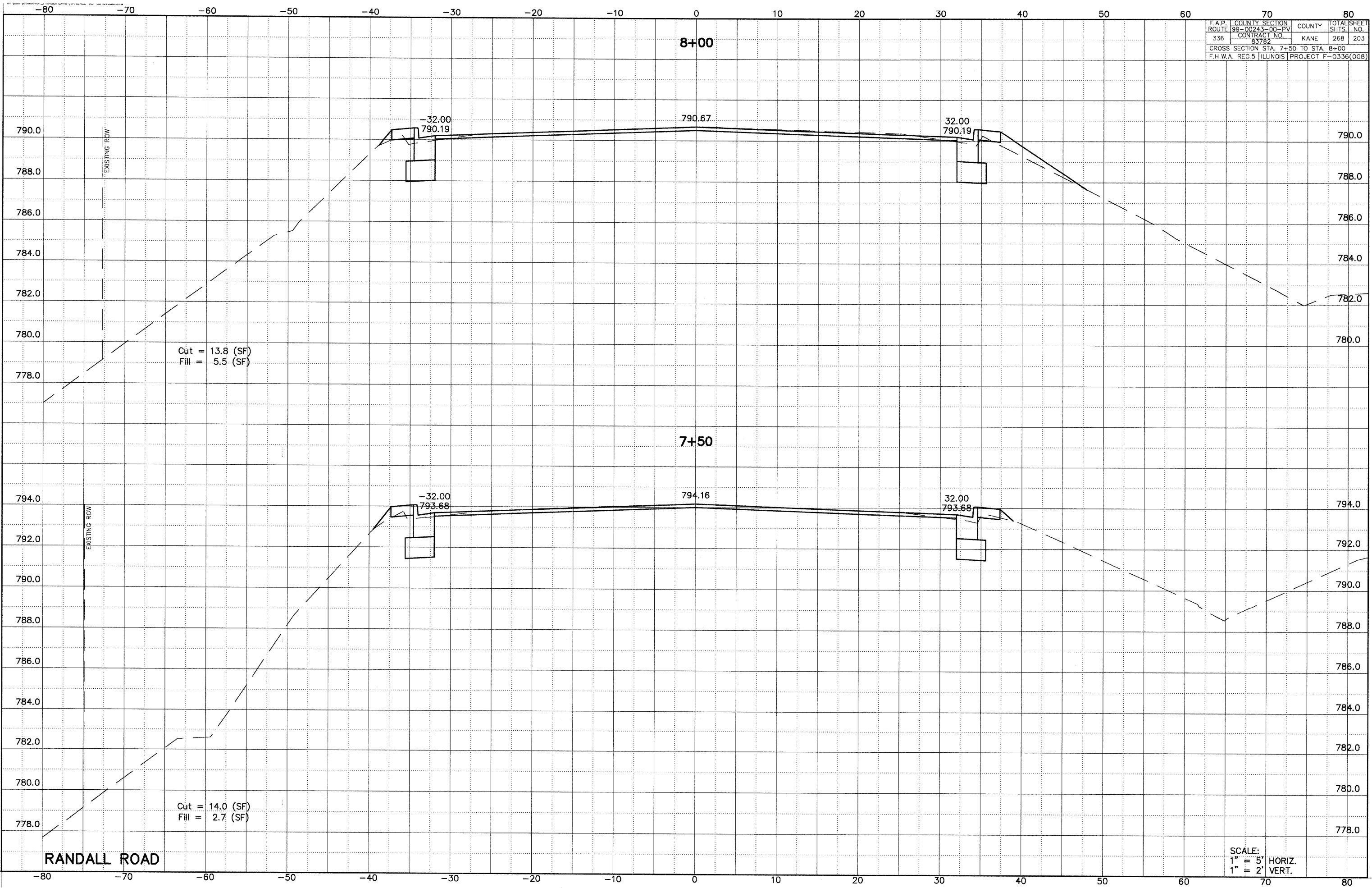
-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

F.A.P. COUNTY SECTION	COUNTY	TOTAL SHEET
ROUTE 99-00243-00-PV	KANE	268 202
336 CONTRACT NO. 83782		
CROSS SECTION STA. 6+50 TO STA. 7+00		
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)		



RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

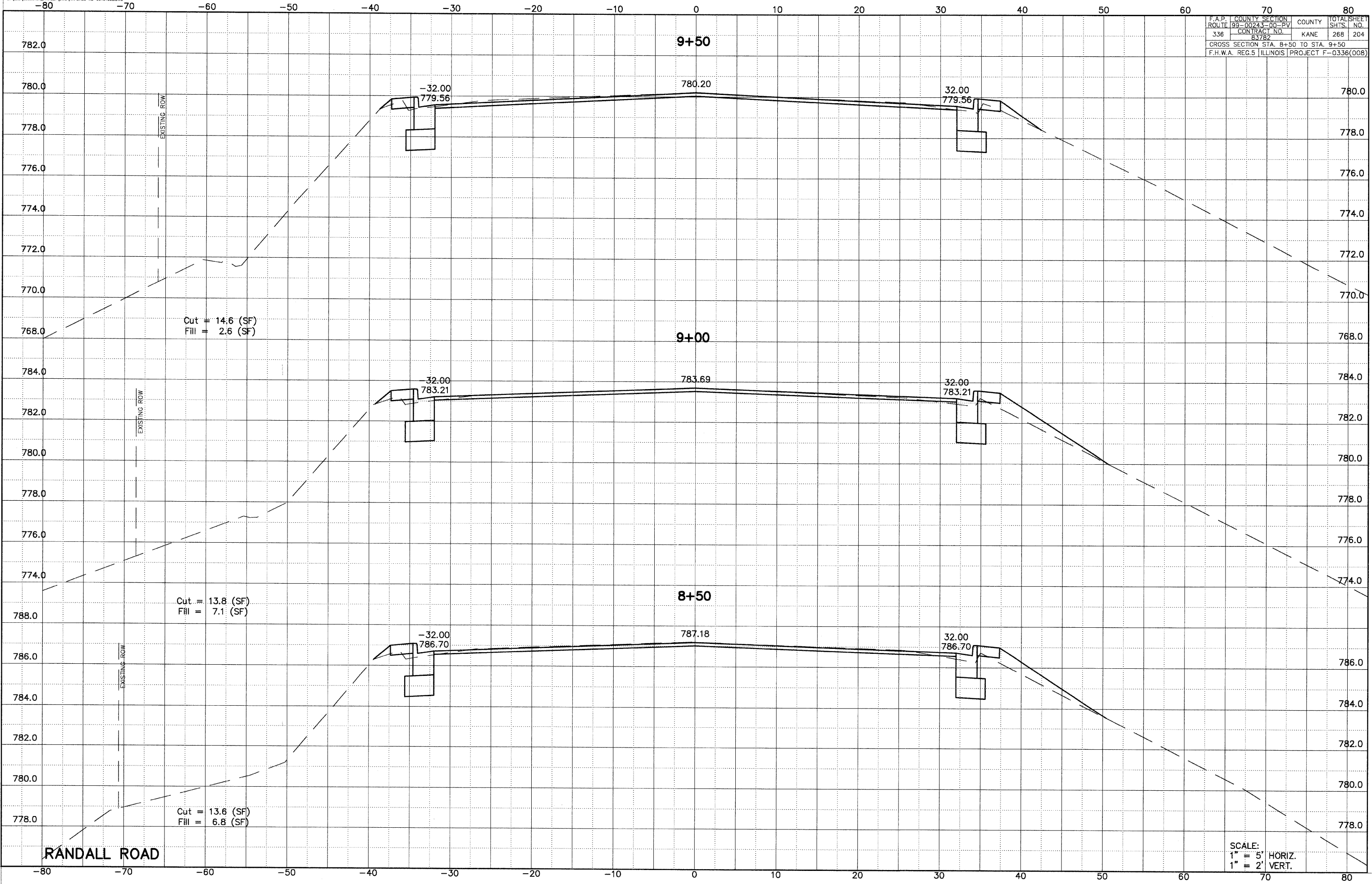


F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
	CONTRACT NO. 83782		203

CROSS SECTION STA. 7+50 TO STA. 8+00
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)

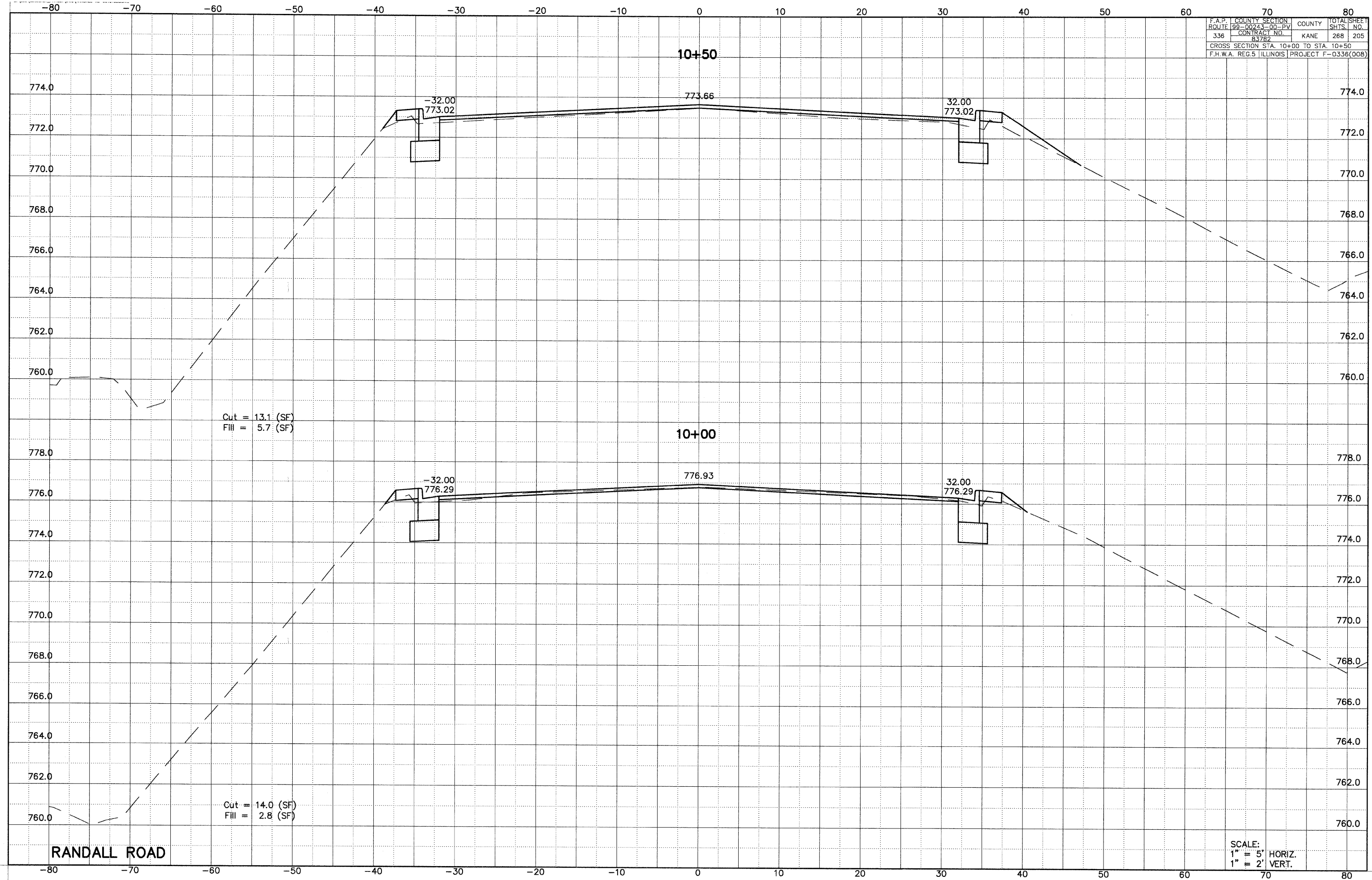
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		204
	83782		
CROSS SECTION STA. 8+50 TO STA. 9+50			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



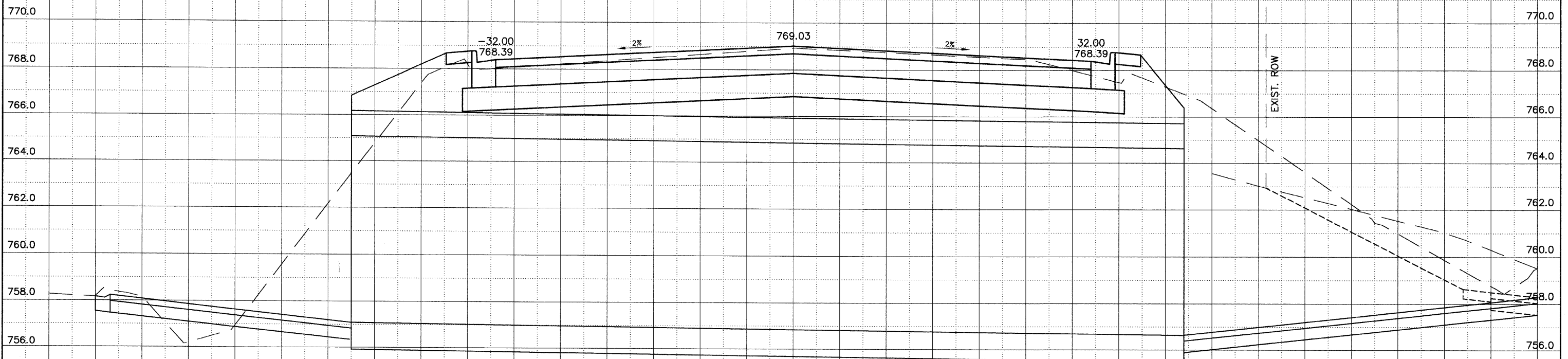
SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

F.A.P.	COUNTY SECTION	COUNTY	TOTAL SHEET
ROUTE 99-00243-00-PV		KANE	288
336	CONTRACT NO.		205
	83782		
CROSS SECTION STA. 10+00 TO STA. 10+50			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			

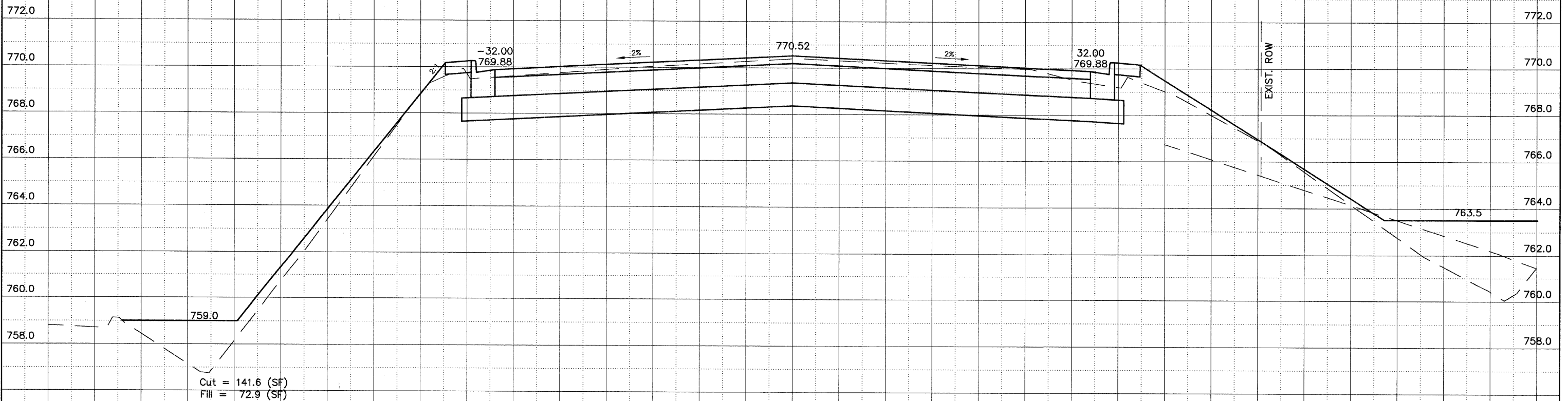


11+25
BICYCLE UNDERPASS

F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEET
336	KANE	83782	268	206
CROSS SECTION STA. 11+00 TO STA. 11+25				
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)				



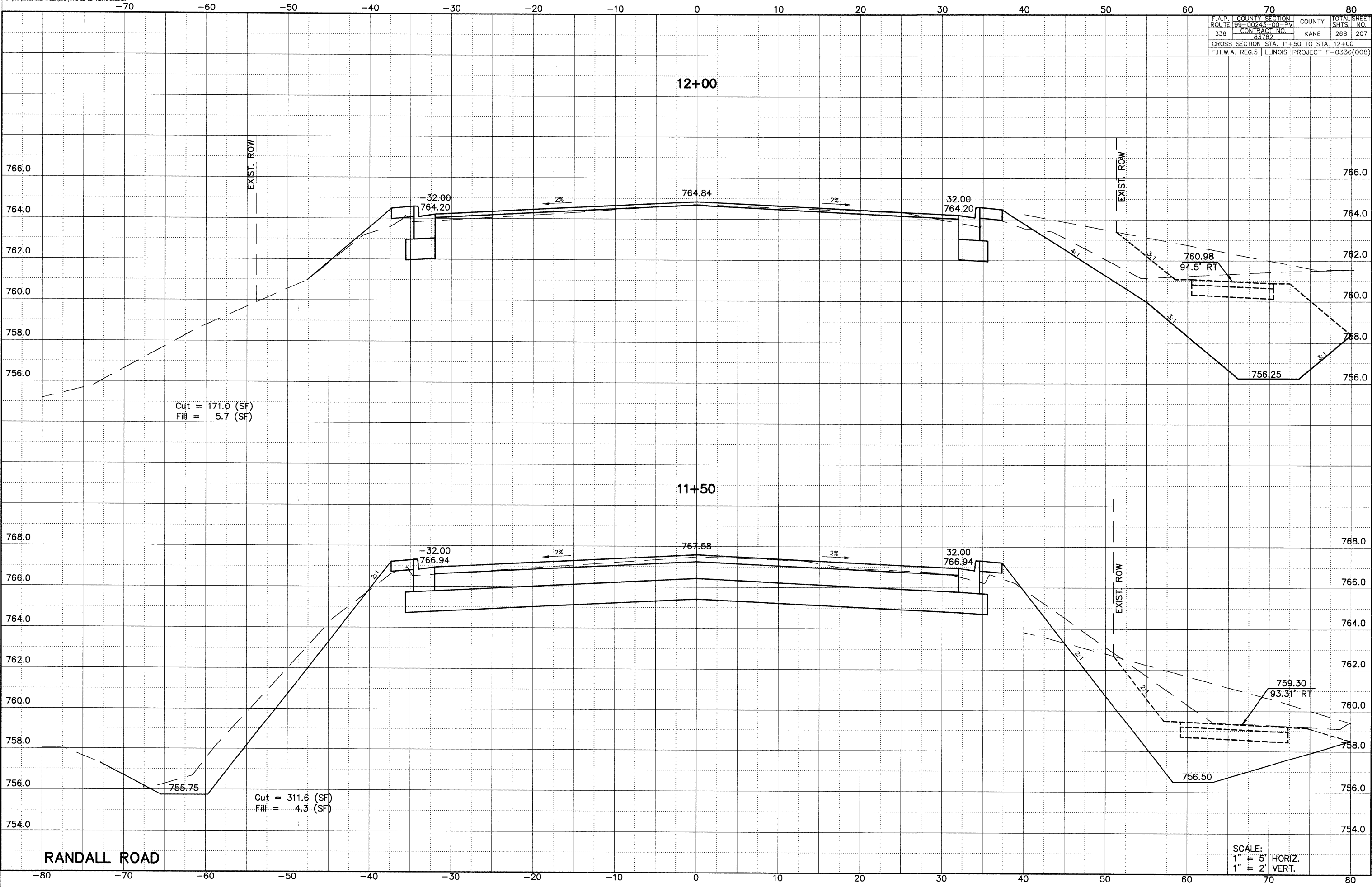
11+00



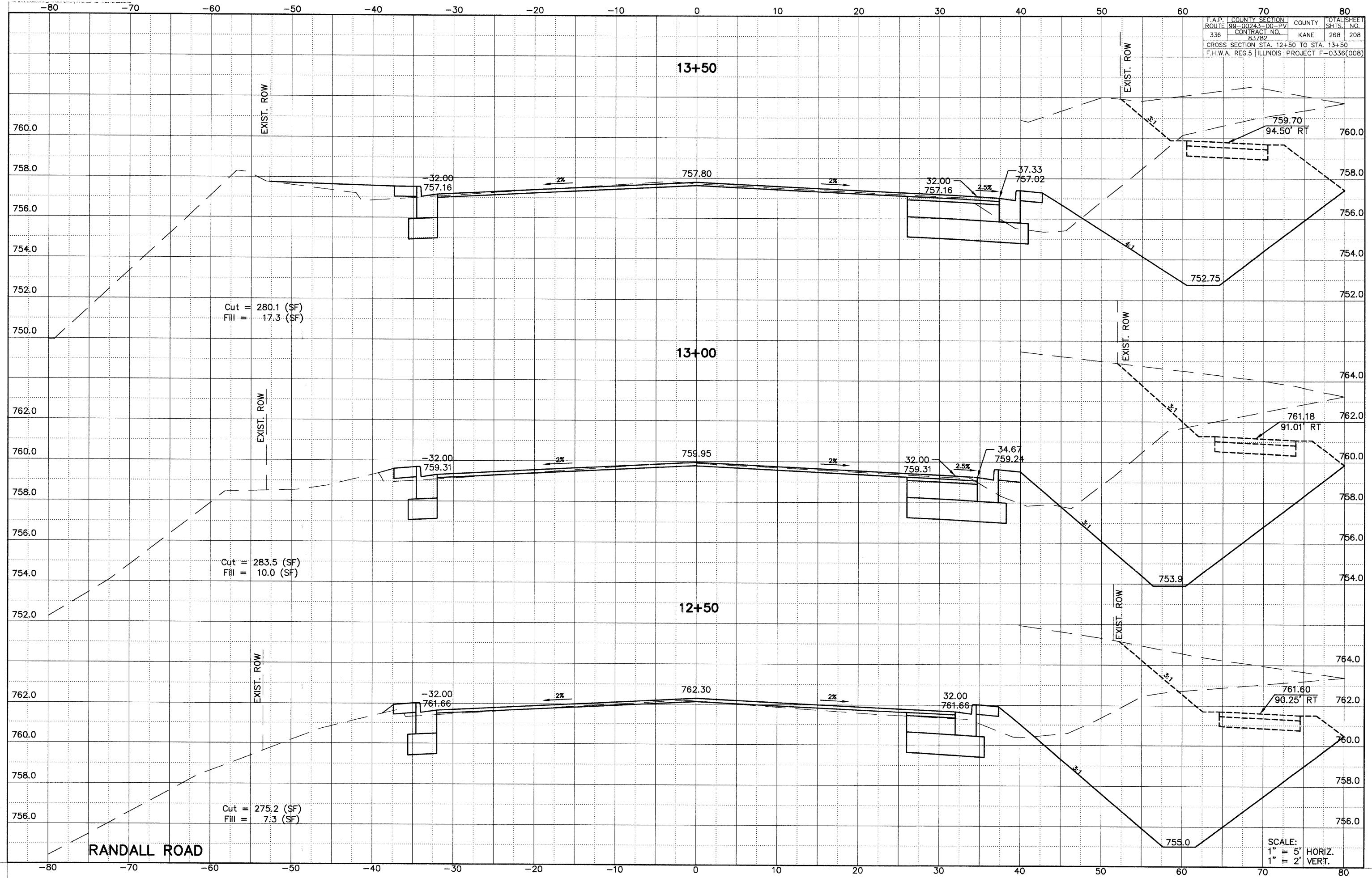
RANDALL ROAD

1" = 5' HORIZ.
1" = 2' VERT.

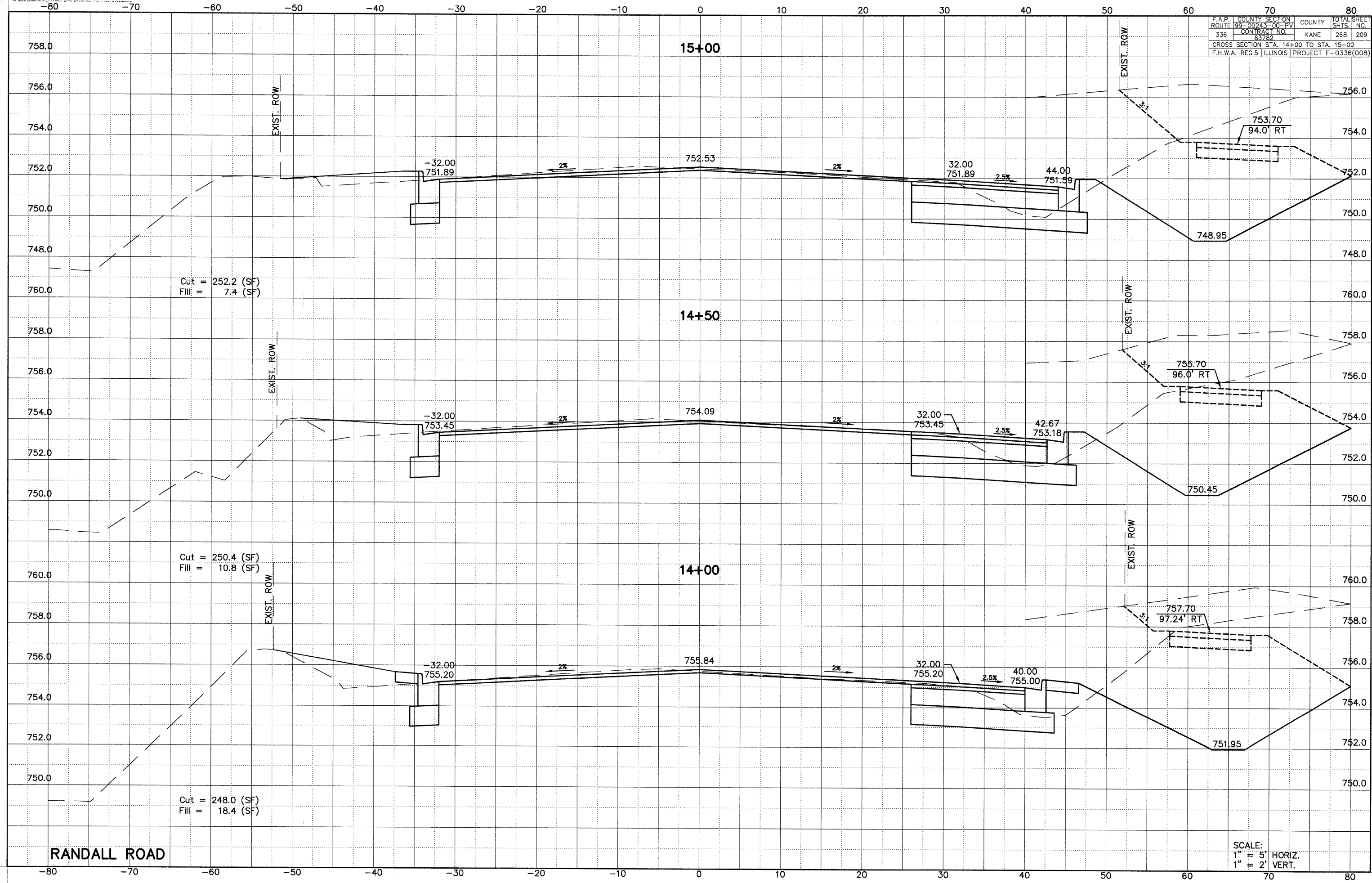
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-FV	KANE	288
CONTRACT NO. 83782			207
CROSS SECTION STA. 11+50 TO STA. 12+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(00B)			



F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEETS
99-00243-00-PV	KANE			268
336		CONTRACT NO.		208
		83782		
CROSS SECTION STA. 12+50 TO STA. 13+50				
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)				



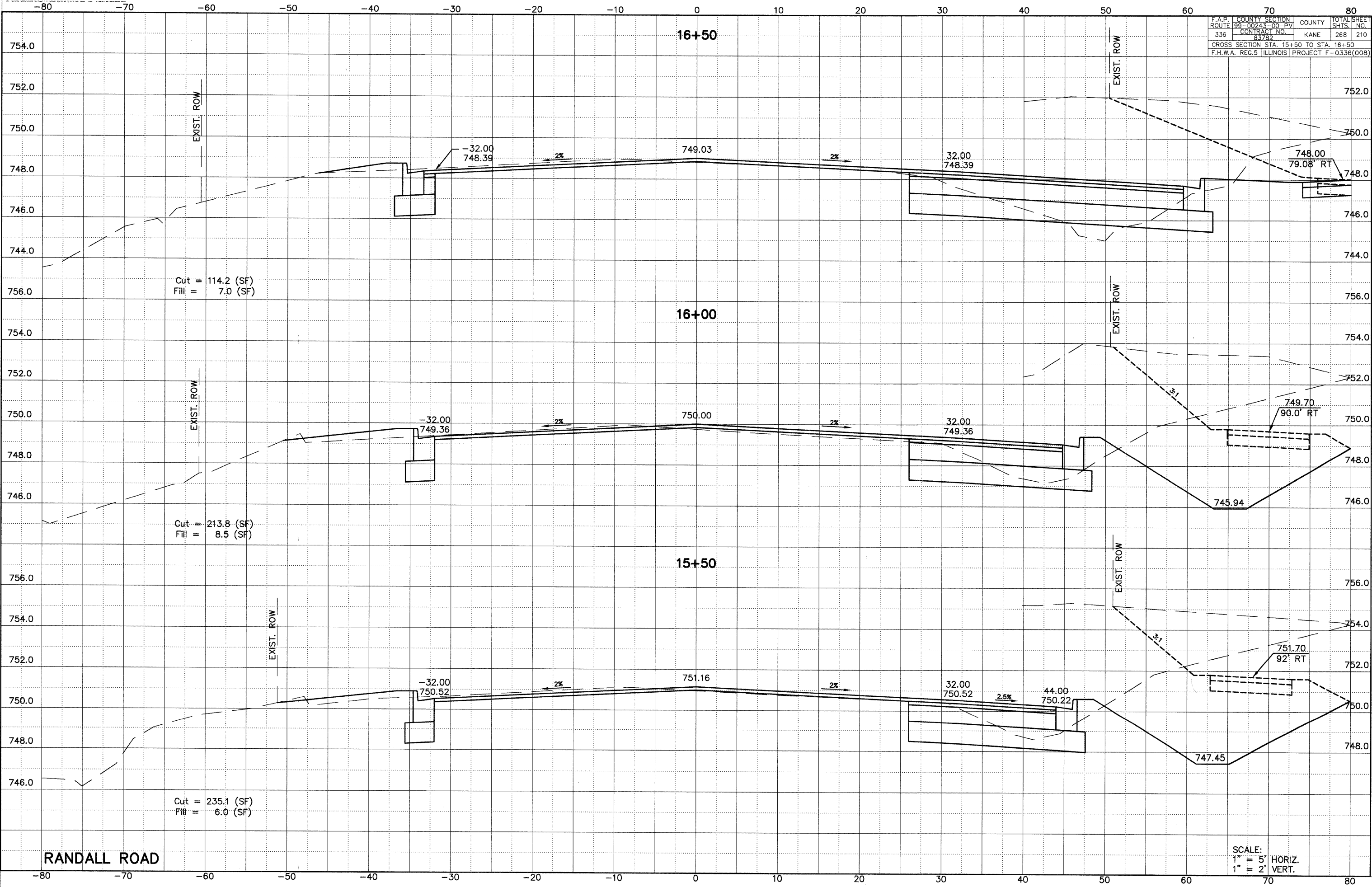
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268 209
CONTRACT NO. 83782			
CROSS SECTION STA. 14+00 TO STA. 15+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



RANDALL ROAD

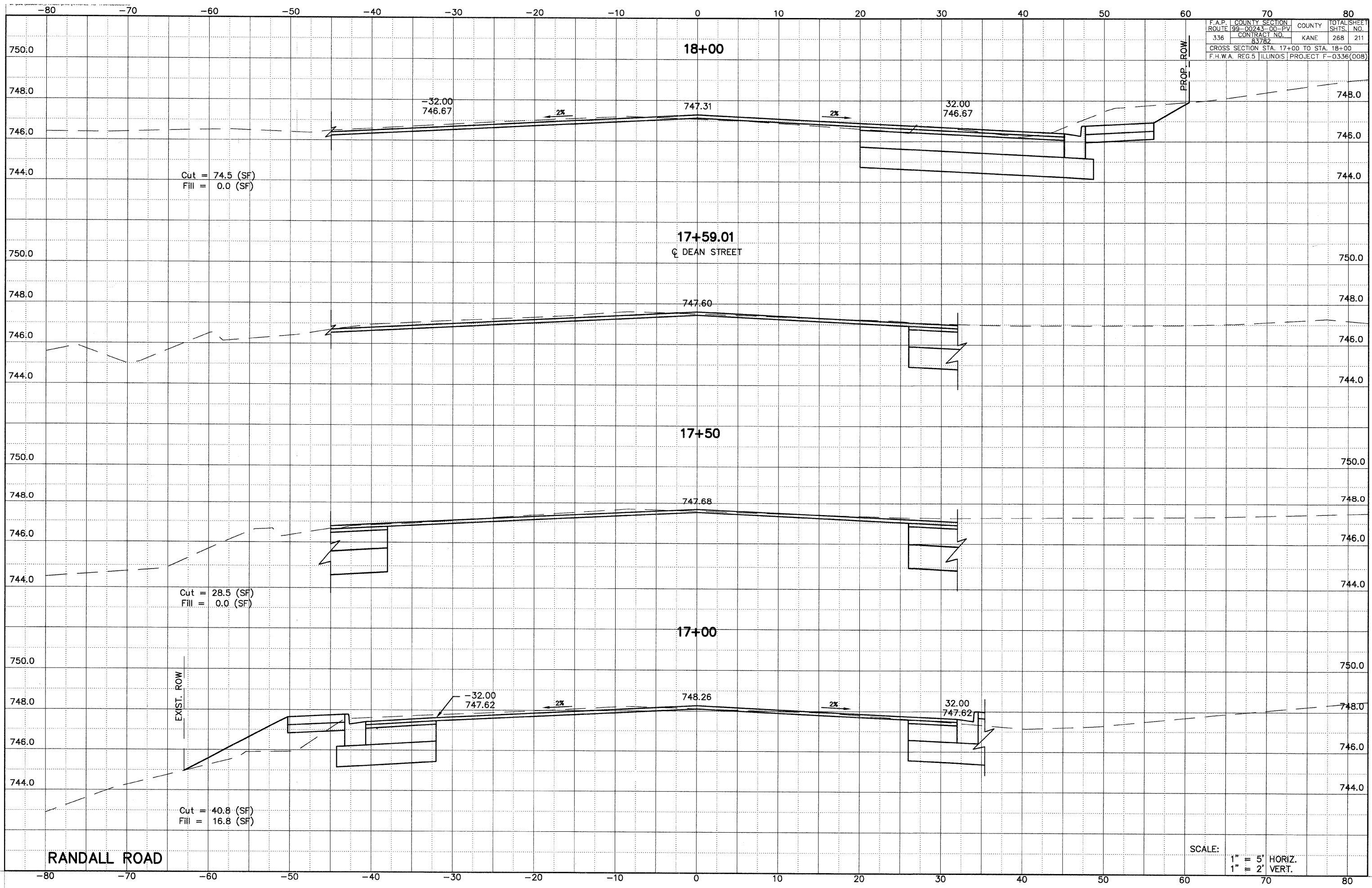
SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEET
336	KANE	99-00243-00-PV	268	210
CONTRACT NO.		SHTS. NO.		
83782		268 210		
CROSS SECTION STA. 15+50 TO STA. 16+50				
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)				



RANDALL ROAD

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.



Cut = 74.5 (SF)
Fill = 0.0 (SF)

18+00

17+59.01
C DEAN STREET

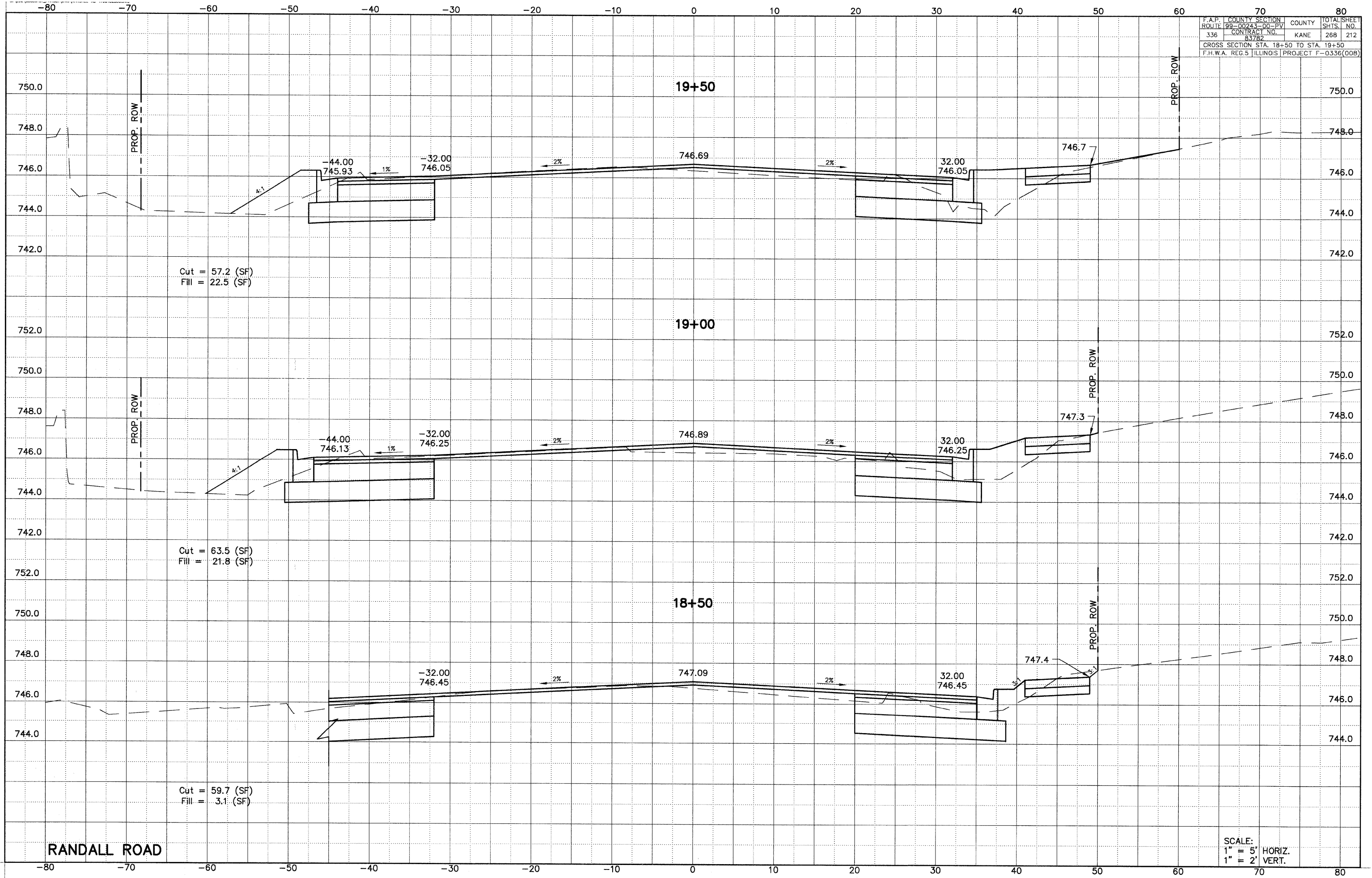
17+50

17+00

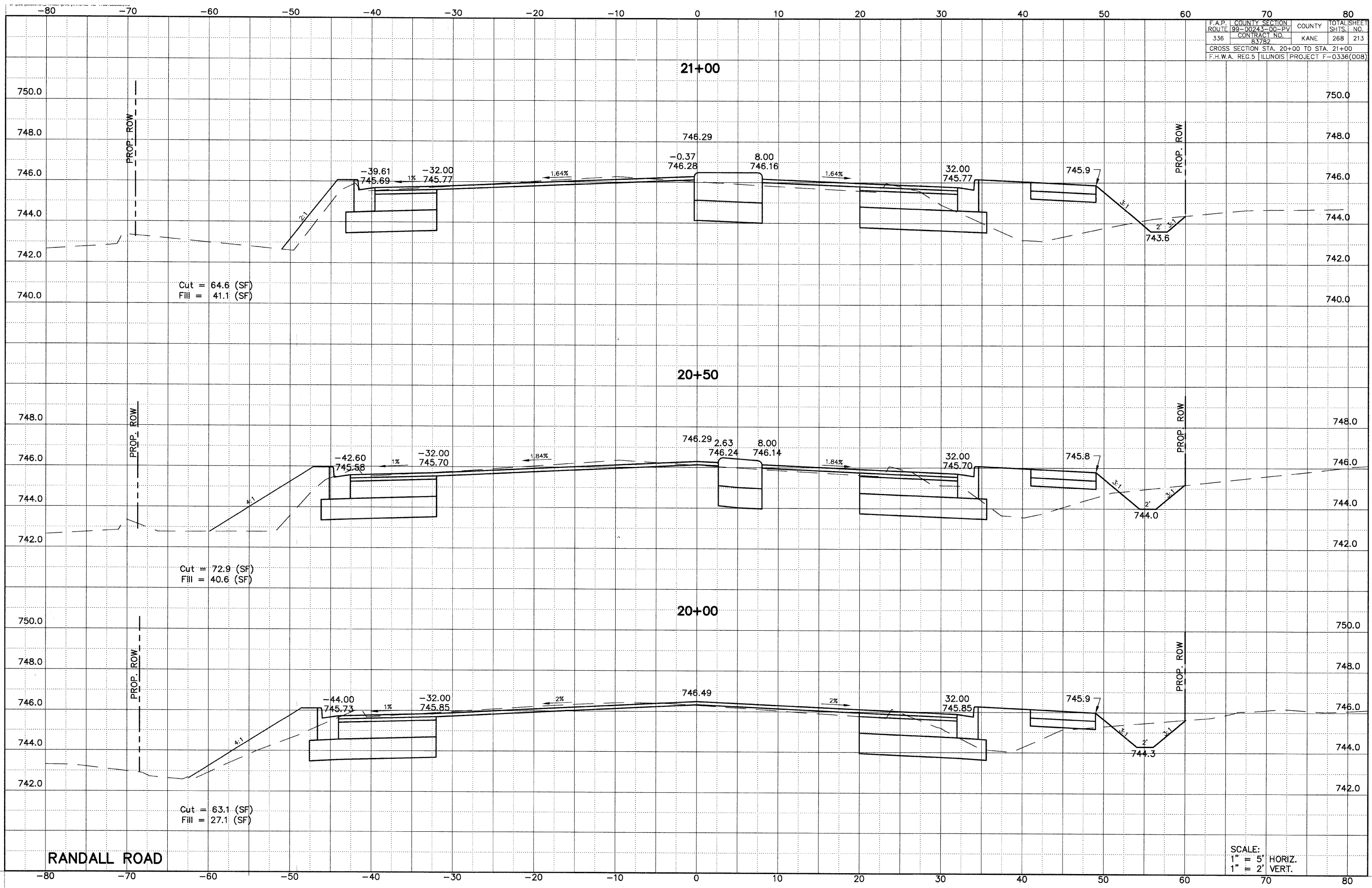
RANDALL ROAD

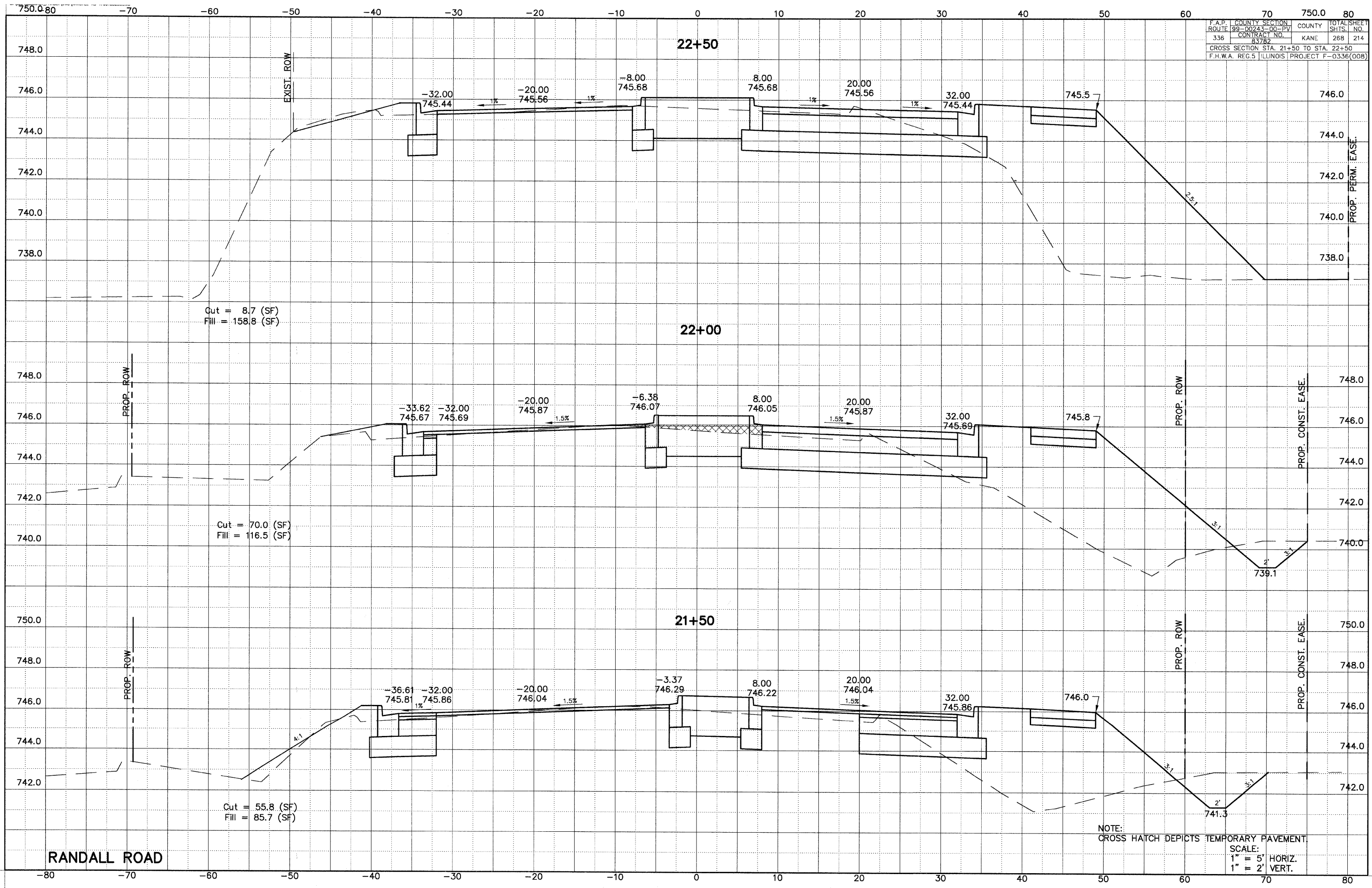
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. COUNTY SECTION	TOTAL SHEET
ROUTE 98-00243-00-PV COUNTY	SHTS. NO.
336 CONTRACT NO. KANE	268 212
CROSS SECTION STA. 18+50 TO STA. 19+50	
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(OOB)	



F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		SHTS. NO.
	837/B2		213
CROSS SECTION STA. 20+00 TO STA. 21+00			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			

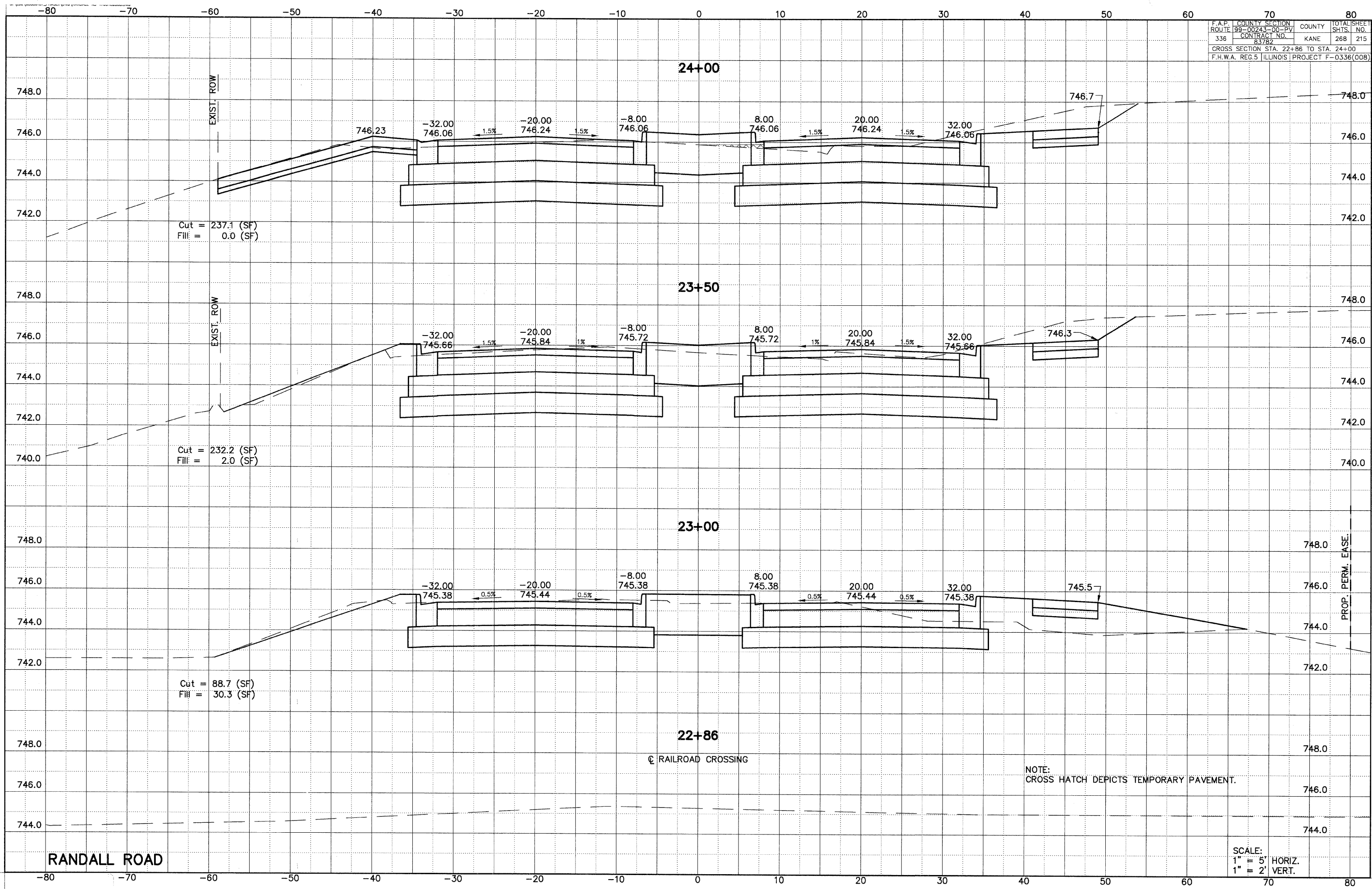


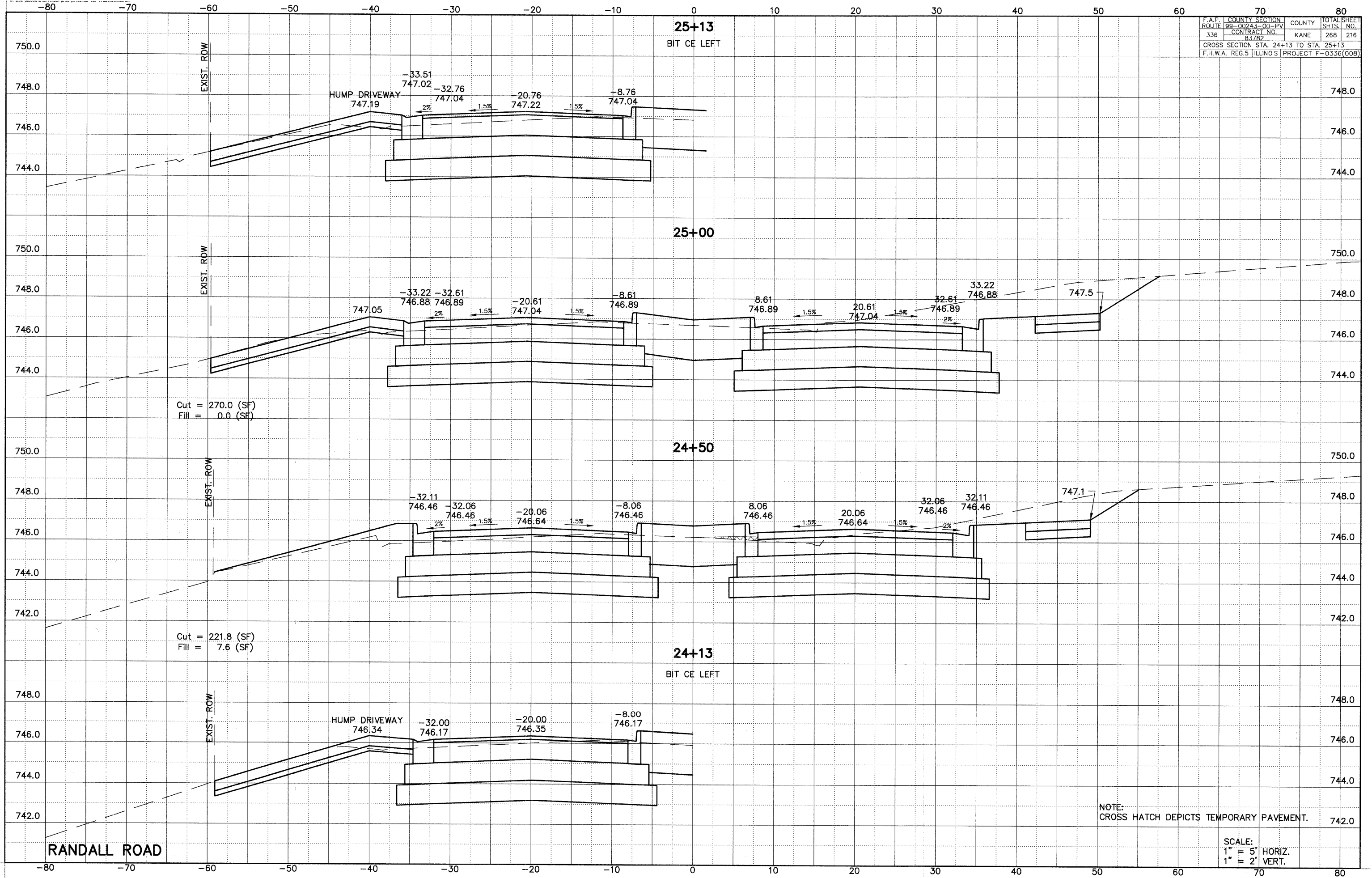


F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
99-00243-00-PV	83782	KANE	268
336	CONTRACT NO.		214

CROSS SECTION STA. 21+50 TO STA. 22+50
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)

F.A.P.	COUNTY SECTION	COUNTY	TOTAL SHEET
ROUTE 99-00243-00-PV		KANE	268
336	CONTRACT NO.	83782	215
CROSS SECTION STA. 22+86 TO STA. 24+00			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			





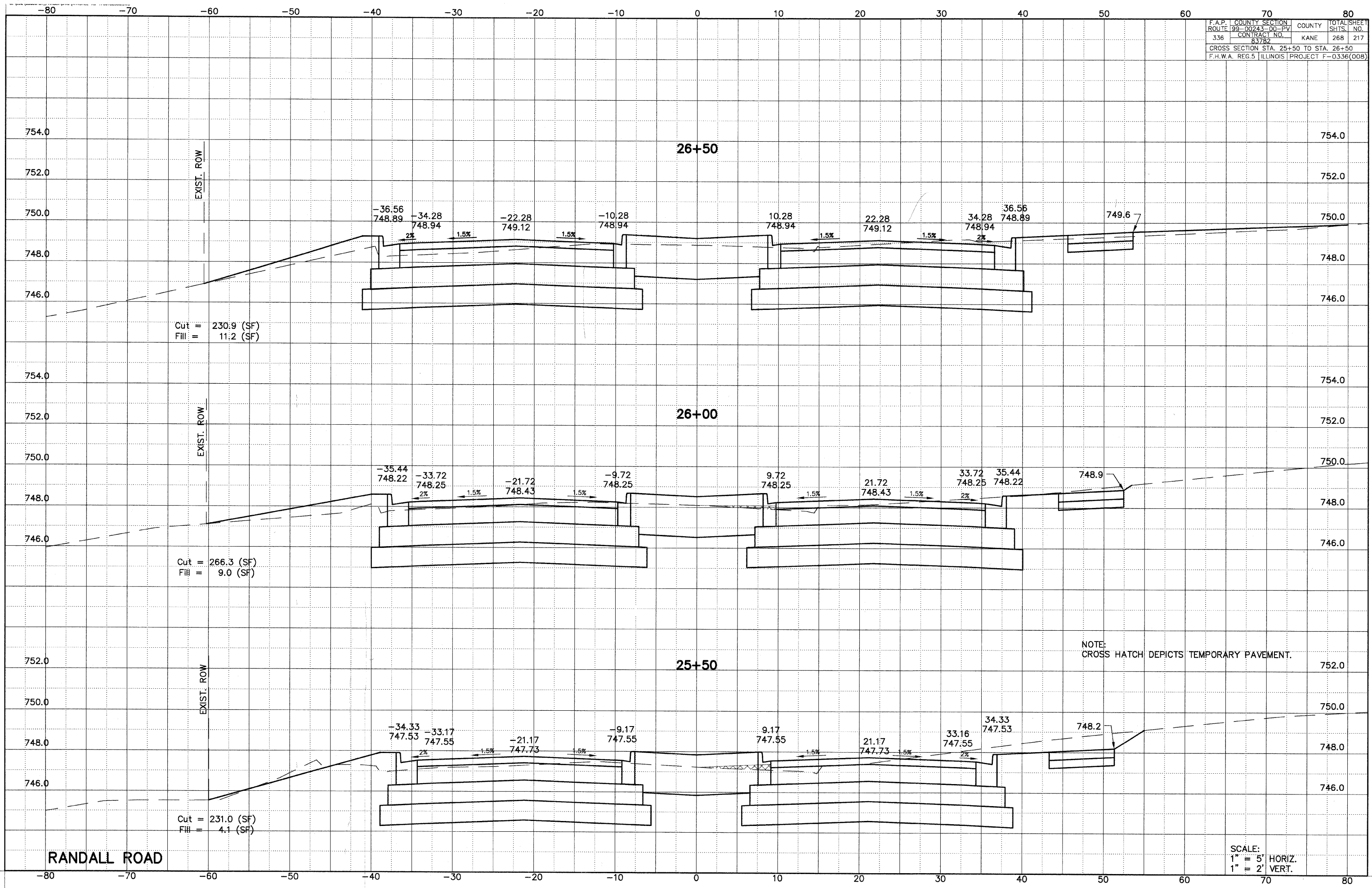
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
98-00243-00-PV		KANE	268 216
336	83782		

CROSS SECTION STA. 24+13 TO STA. 25+13
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(00B)

Cut = 270.0 (SF)
Fill = 0.0 (SF)

Cut = 221.8 (SF)
Fill = 7.6 (SF)

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		217
	83782		
CROSS SECTION STA. 25+50 TO STA. 26+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			

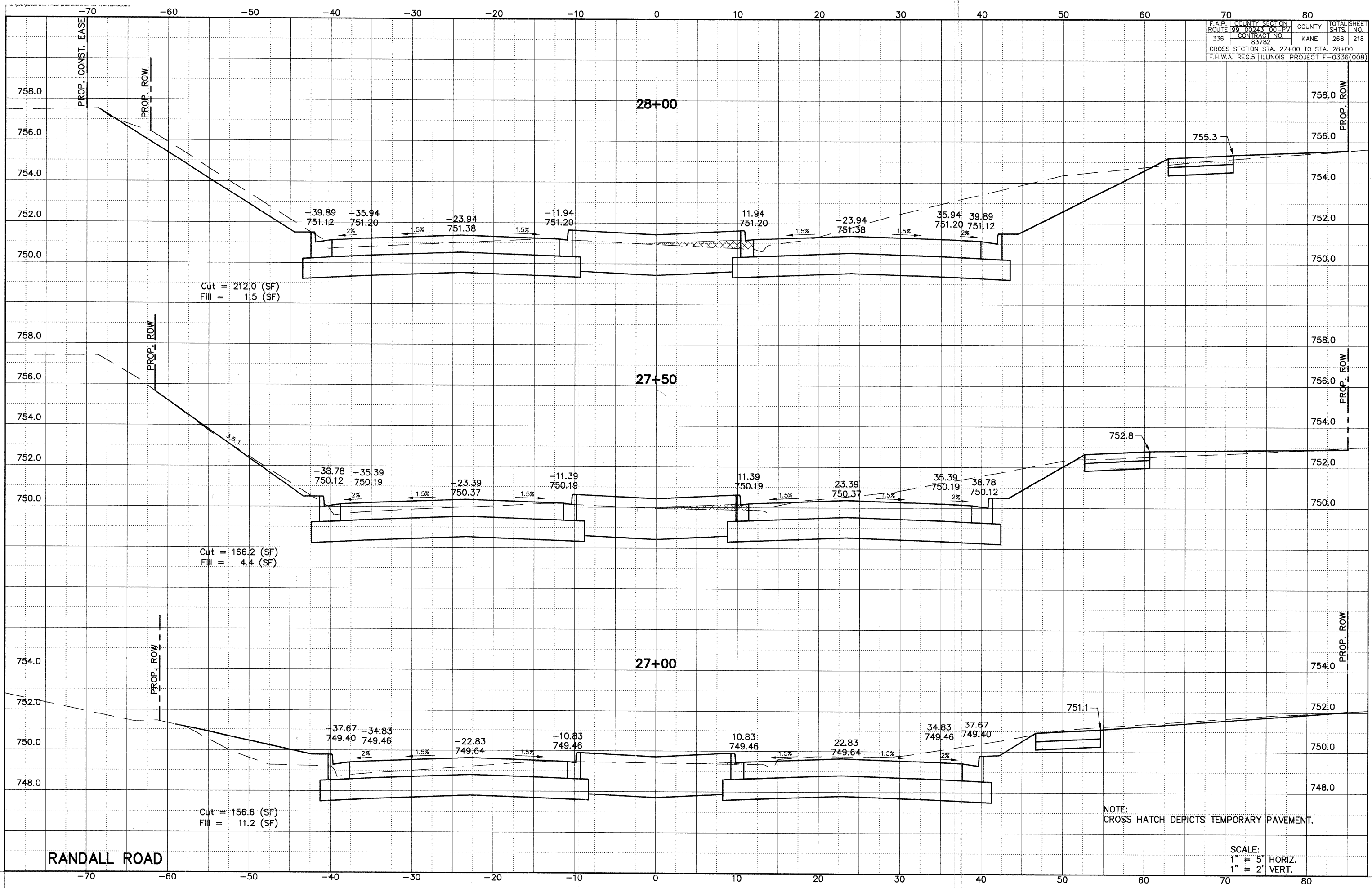


NOTE: CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	268
CROSS SECTION STA. 27+00 TO STA. 28+00			218
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



RANDALL ROAD

NOTE:
CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEETS
336	CONTRACT NO. 83782	KANE	268 219
CROSS SECTION STA. 28+50 TO STA. 29+50			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			

29+50

PROP. ROW

PROP. ROW

Cut = 344.6 (SF)
Fill = 1.6 (SF)

29+00

PROP. ROW

PROP. ROW

Cut = 339.3 (SF)
Fill = 0.0 (SF)

28+50

PROP. ROW

PROP. ROW

Cut = 315.0 (SF)
Fill = 0.0 (SF)

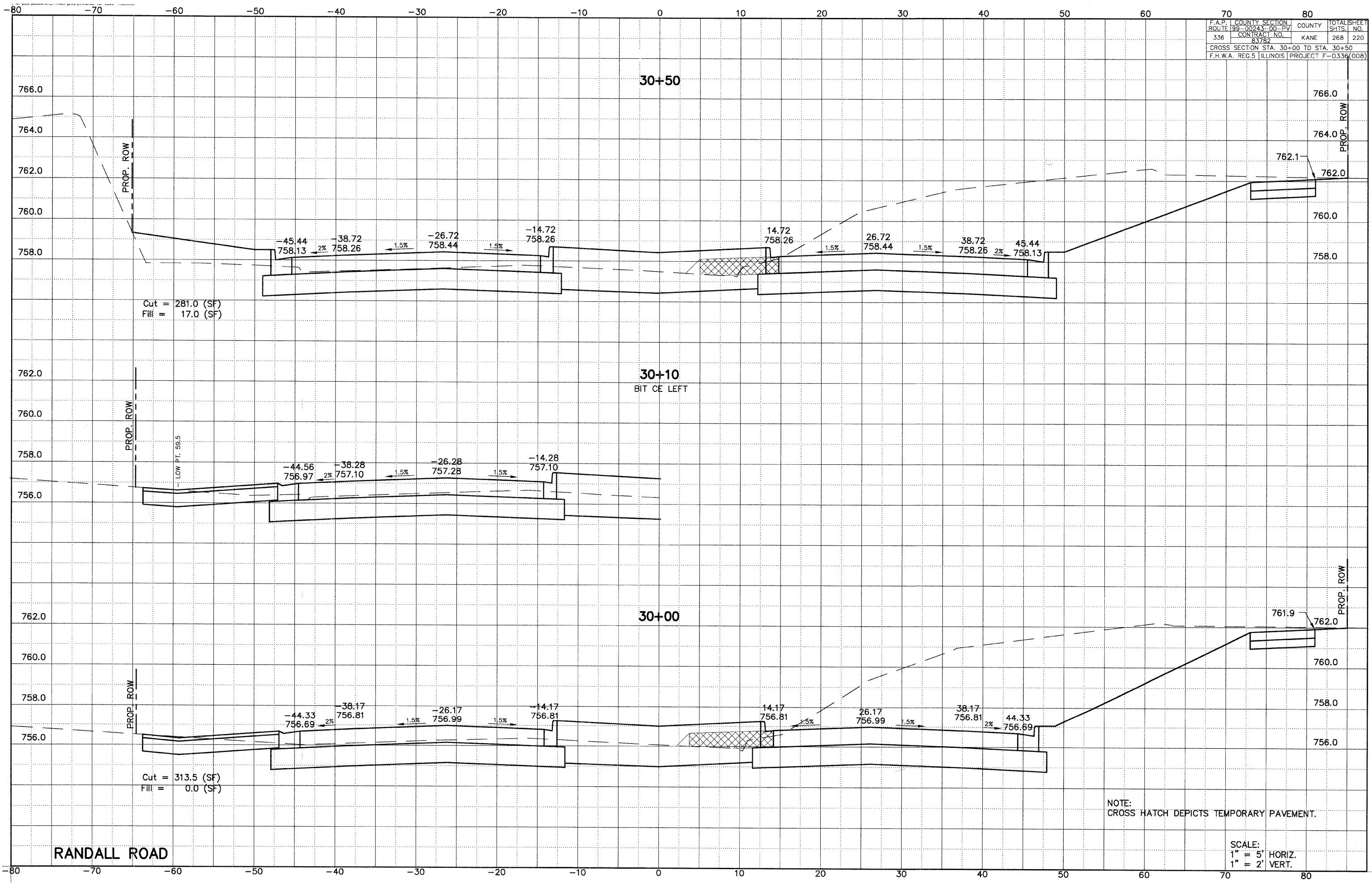
NOTE:
CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

RANDALL ROAD

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

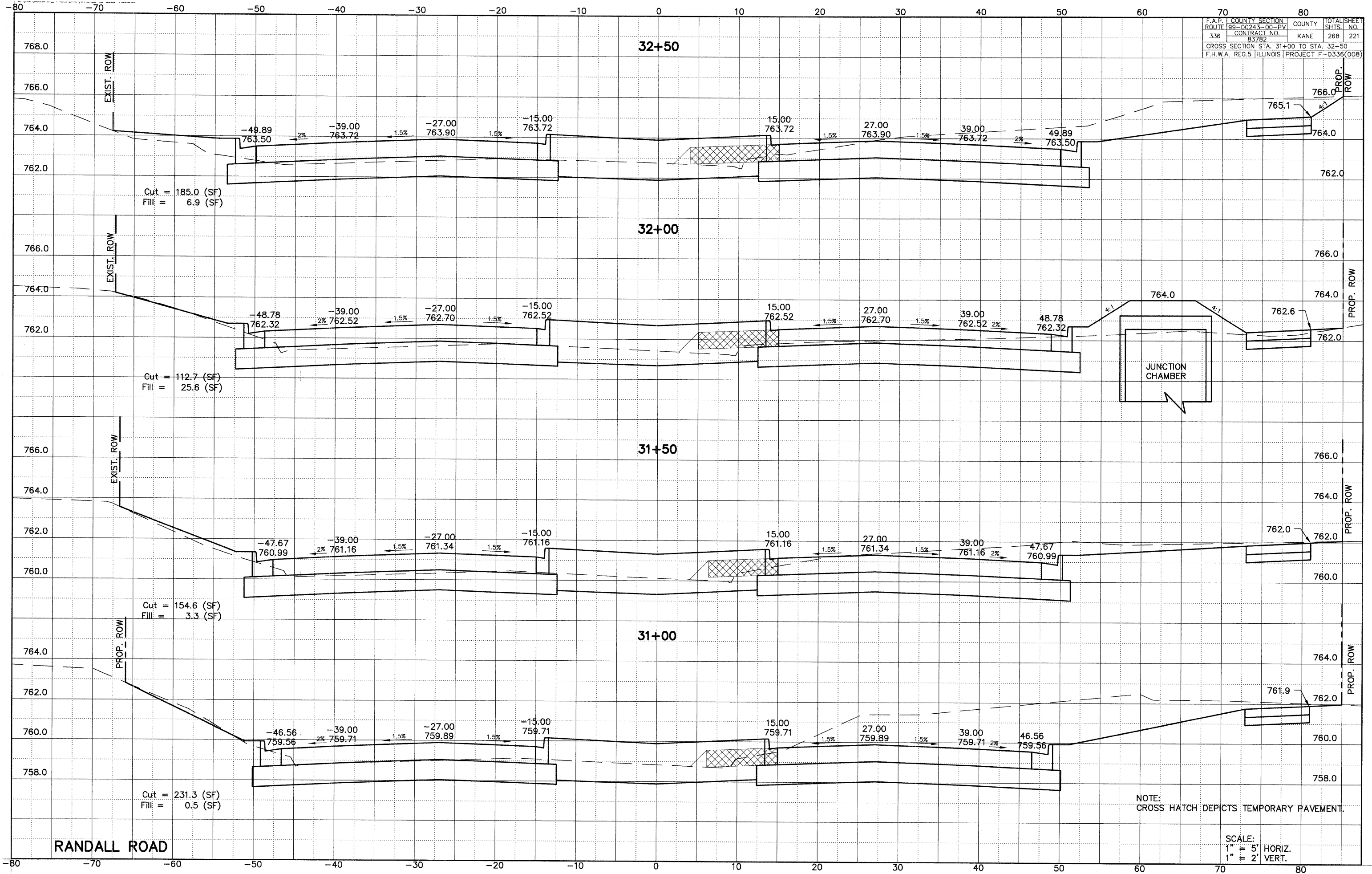
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		SHTS. NO.
	83782		220
CROSS SECTION STA. 30+00 TO STA. 30+50			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



NOTE: CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEET
336	83782	KANE	268
CROSS SECTION STA. 31+00 TO STA. 32+50		SHTS. 221	
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			

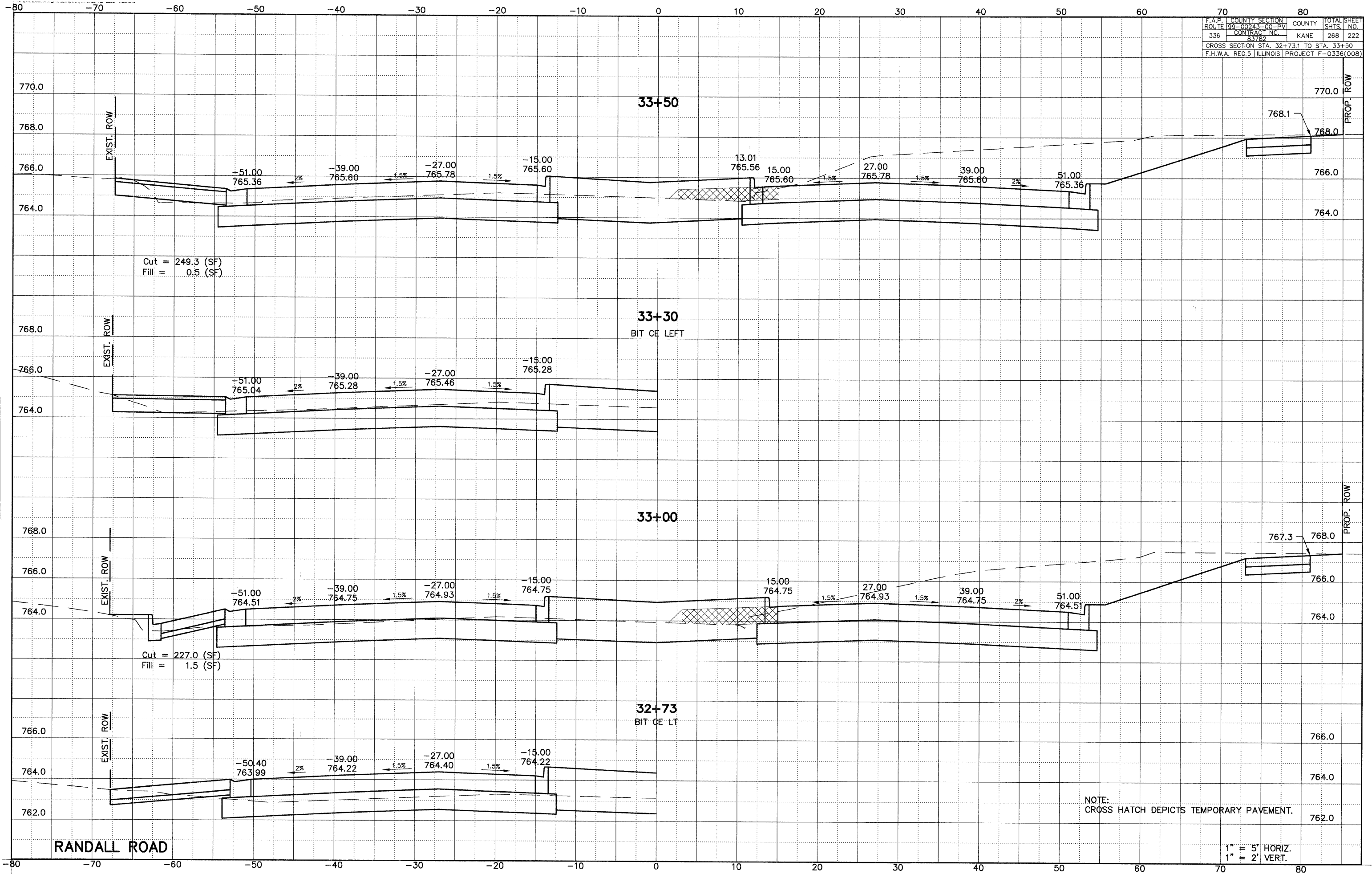


RANDALL ROAD

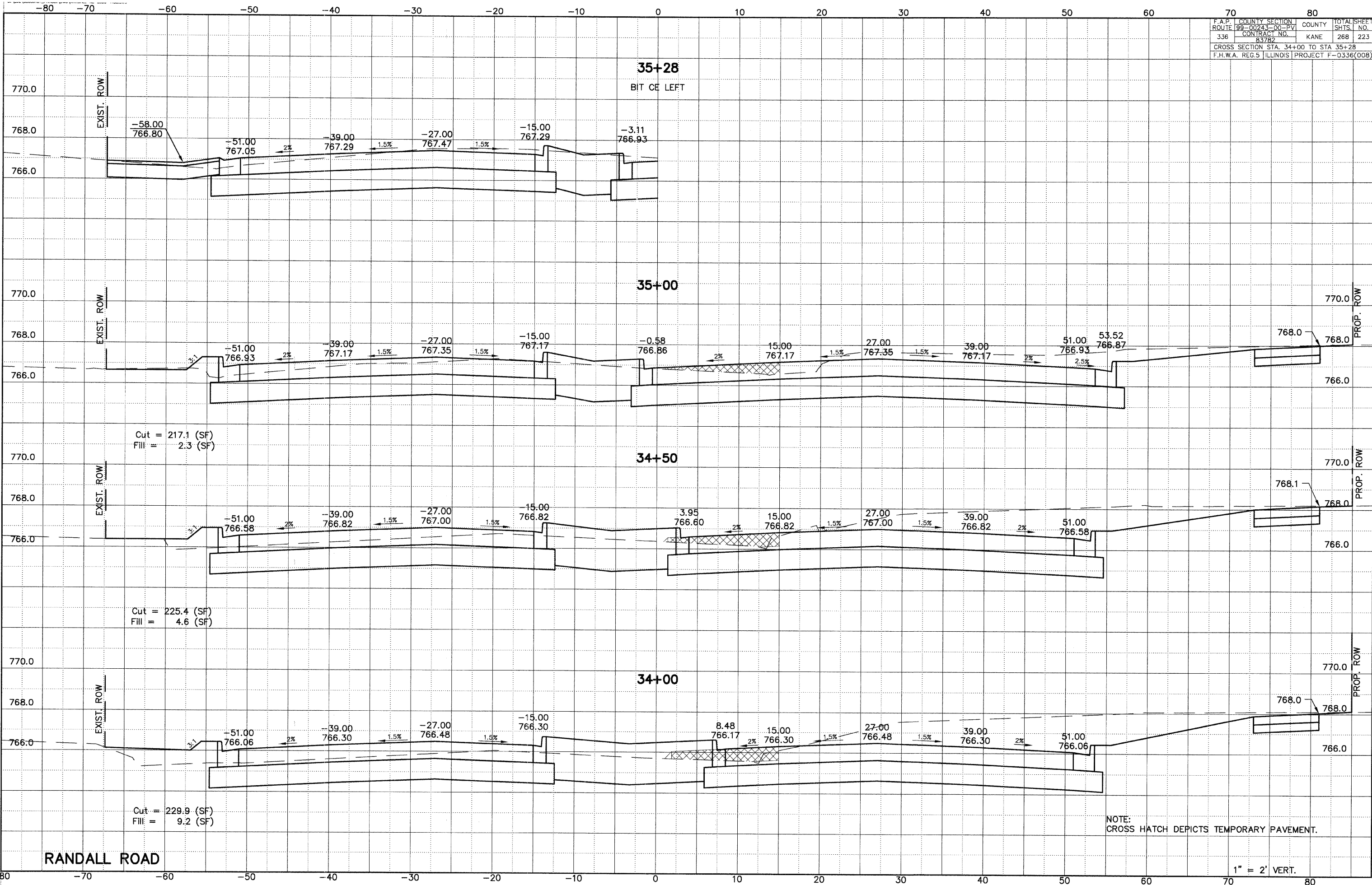
NOTE:
CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

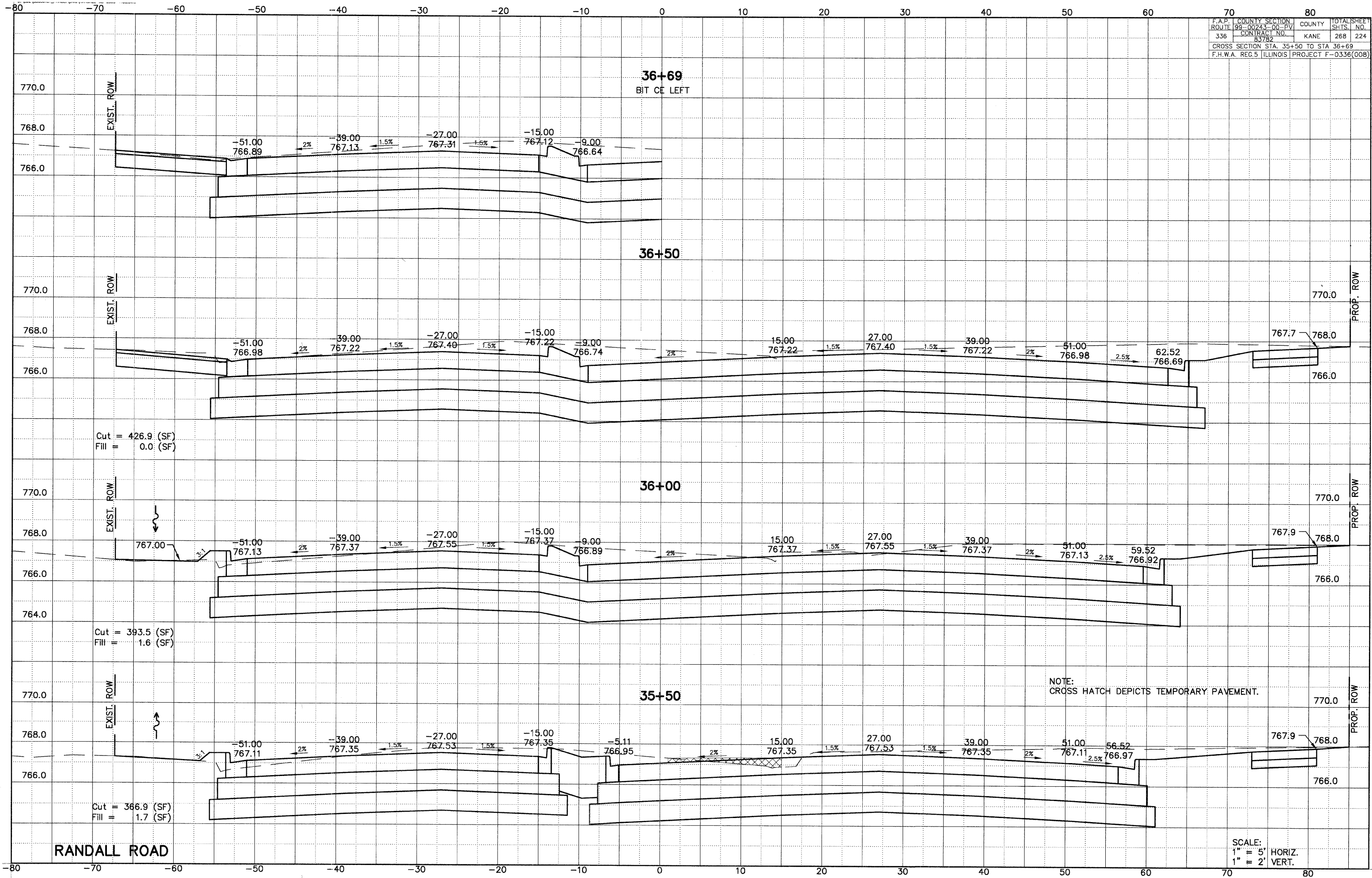
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268 222
CONTRACT NO. 83782			
CROSS SECTION STA. 32+73.1 TO STA. 33+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(00B)			



F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	268
CROSS SECTION STA. 34+00 TO STA 35+28			223
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			





Cut = 426.9 (SF)
Fill = 0.0 (SF)

Cut = 393.5 (SF)
Fill = 1.6 (SF)

Cut = 366.9 (SF)
Fill = 1.7 (SF)

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268 225
CONTRACT NO. 83782			
CROSS SECTION STA. 37+00 TO STA. 38+50			
F.H.W.A. REG 5 ILLINOIS PROJECT F-0336(00B)			

SEE SHEET 109 FOR IL. ROUTE 64 INTERSECTION ELEVATIONS

38+50

Cut = 376.6 (SF)
Fill = 0.0 (SF)

NOTE:
CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

38+00

Cut = 432.8 (SF)
Fill = 2.5 (SF)

37+50

Cut = 405.6 (SF)
Fill = 1.8 (SF)

37+00

Cut = 420.4 (SF)
Fill = 0.9 (SF)

RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

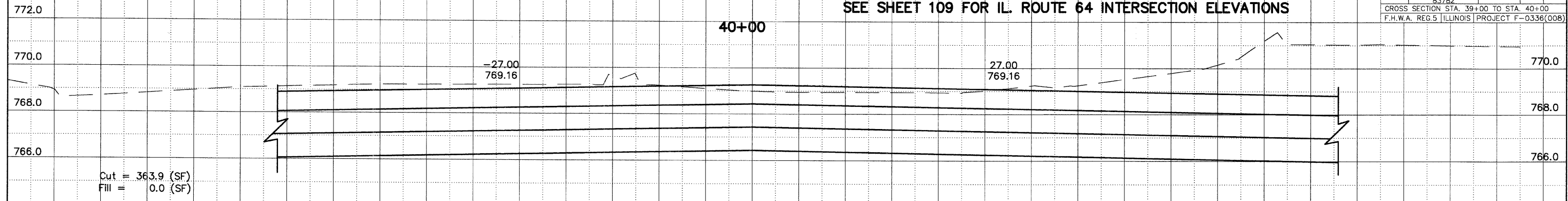
-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

F.A.P. COUNTY SECTION	TOTAL SHEET
ROUTE 99-00243-00-PV COUNTY	SHTS. NO.
336 CONTRACT NO. KANE	268 226
CROSS SECTION STA. 39+00 TO STA. 40+00	
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(00B)	

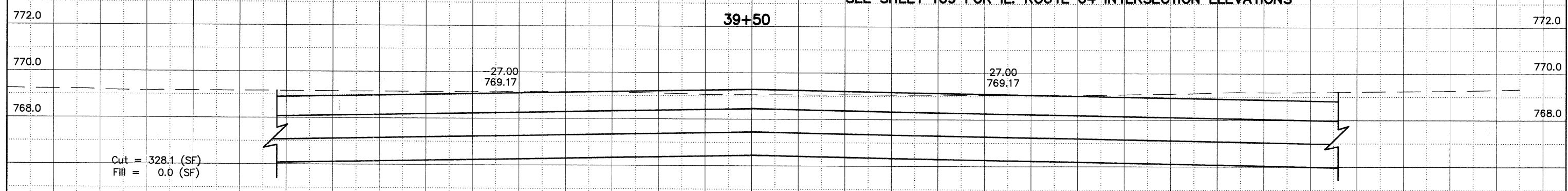
SEE SHEET 109 FOR IL. ROUTE 64 INTERSECTION ELEVATIONS

40+00



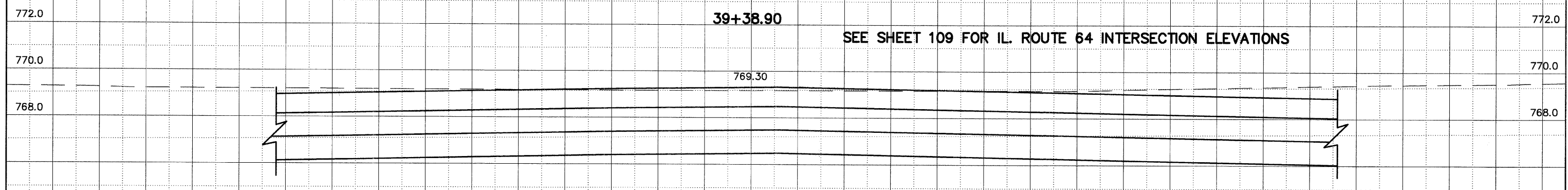
SEE SHEET 109 FOR IL. ROUTE 64 INTERSECTION ELEVATIONS

39+50



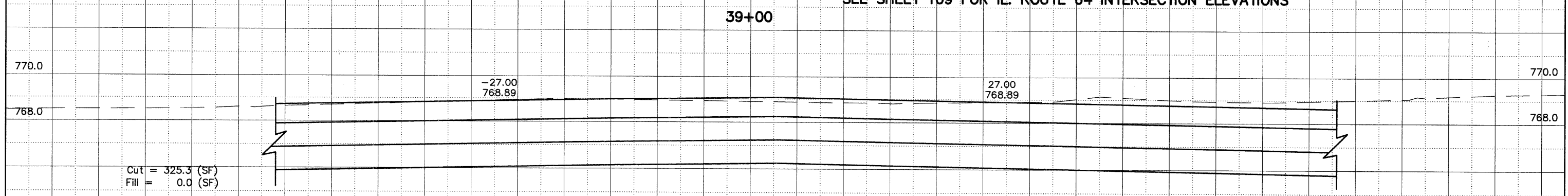
SEE SHEET 109 FOR IL. ROUTE 64 INTERSECTION ELEVATIONS

39+38.90



SEE SHEET 109 FOR IL. ROUTE 64 INTERSECTION ELEVATIONS

39+00

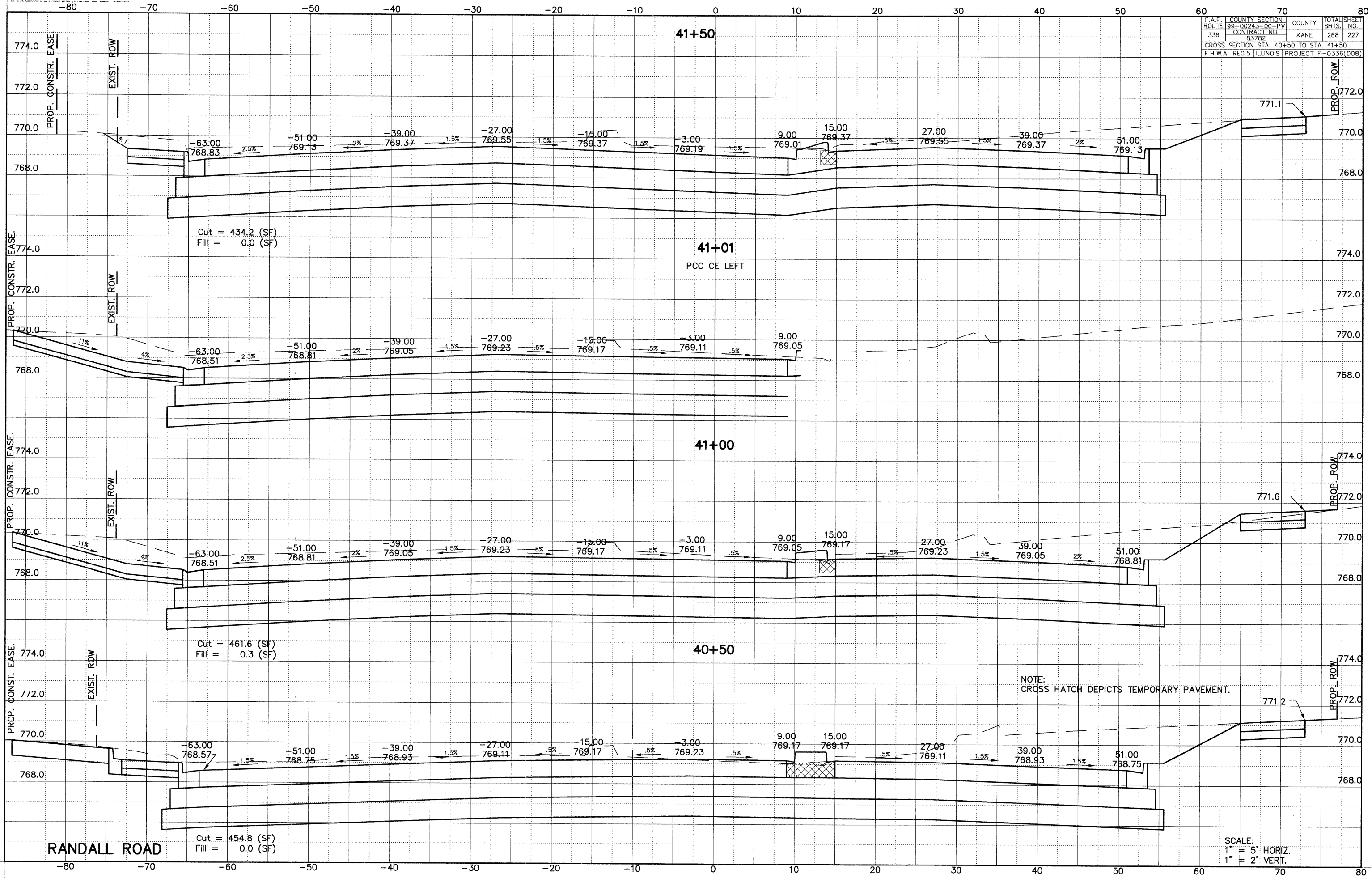


RANDALL ROAD

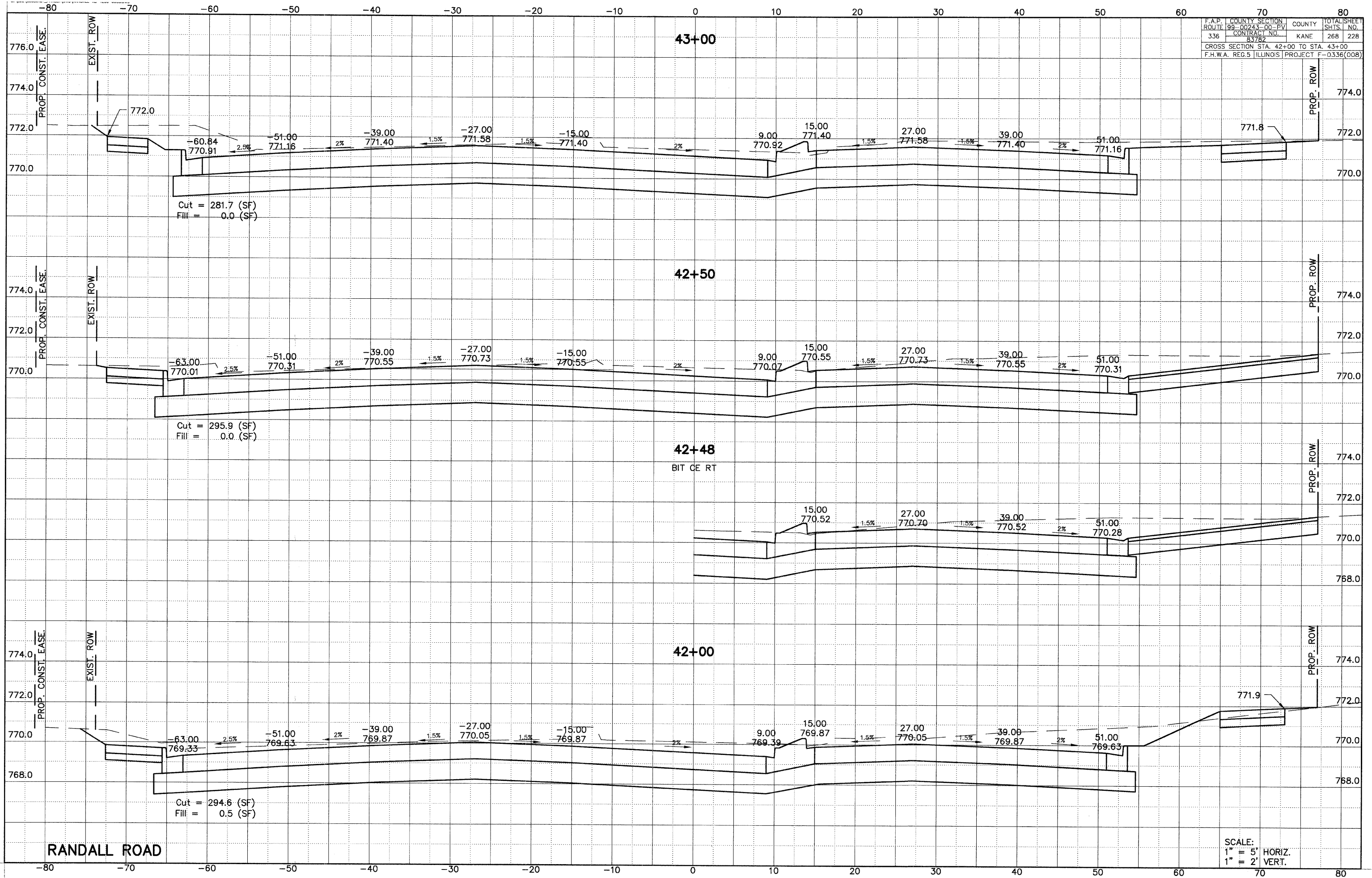
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

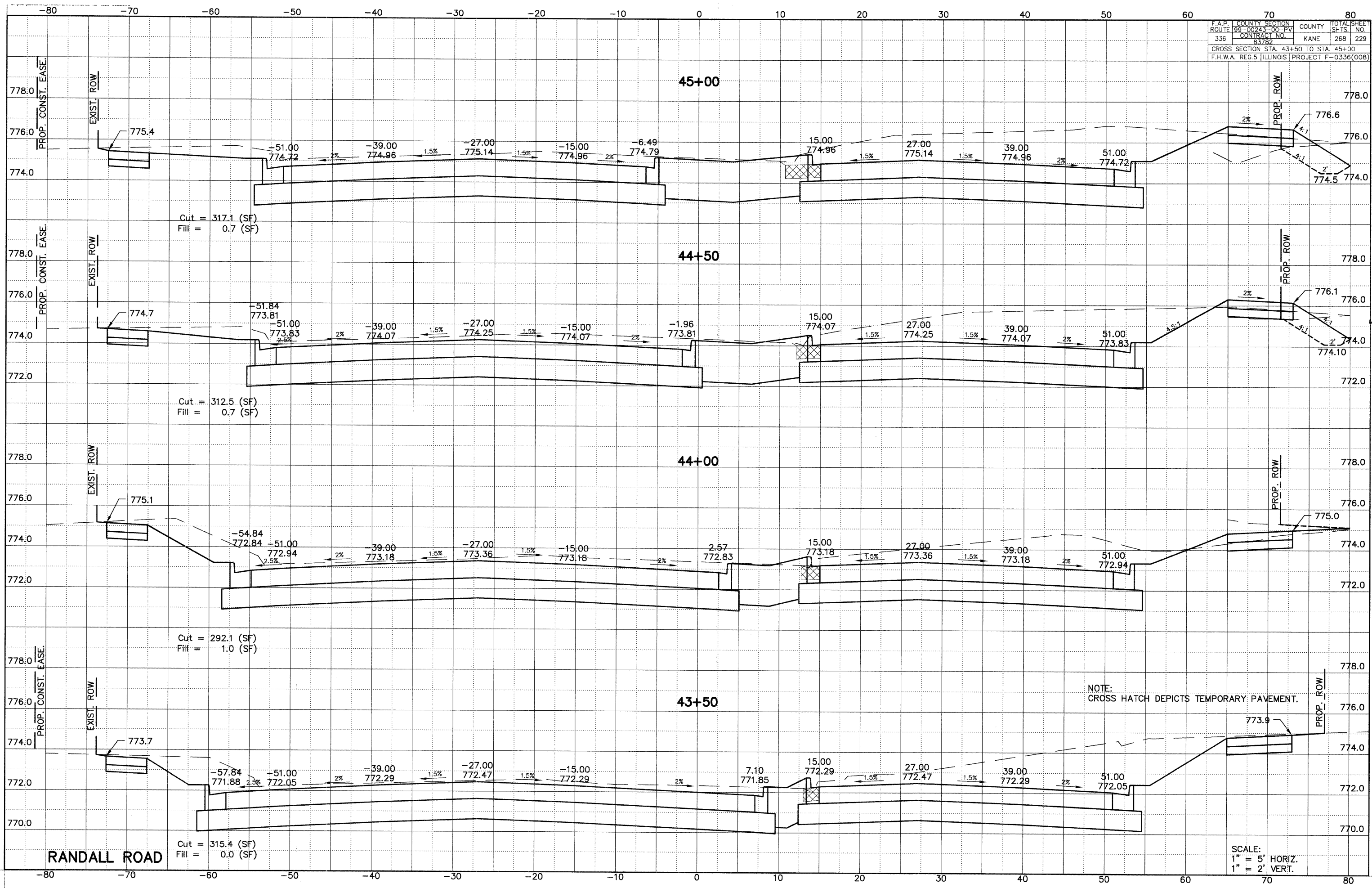
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		227
	83782		
CROSS SECTION STA. 40+50 TO STA. 41+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		NO.
	83782		228
CROSS SECTION STA. 42+00 TO STA. 43+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			

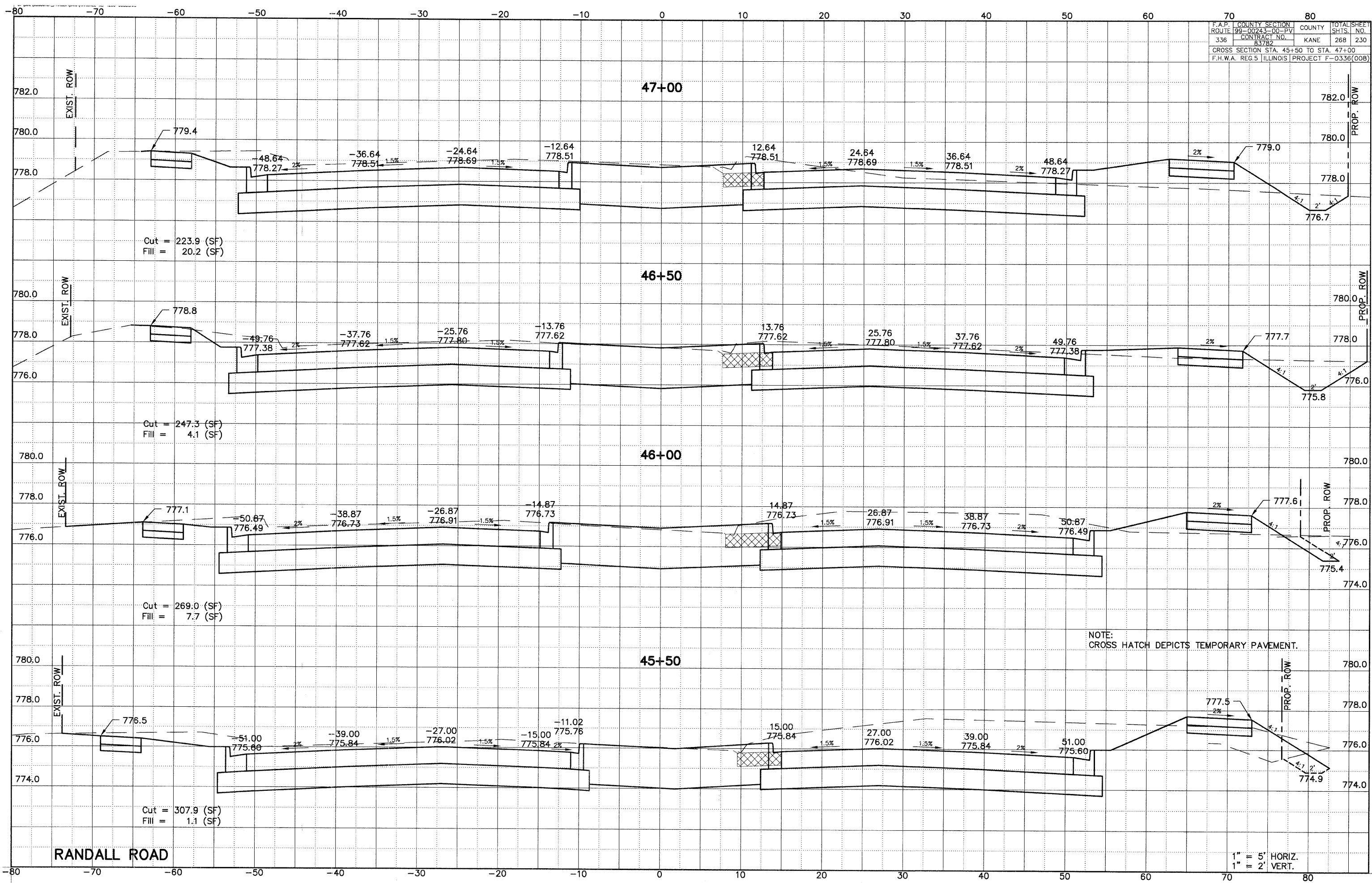


F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		SHTS. NO.
	83782		229
CROSS SECTION STA. 43+50 TO STA. 45+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



RANDALL ROAD

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		230
	83782		
CROSS SECTION STA. 45+50 TO STA. 47+00			
F.H.W.A. REG 5 ILLINOIS PROJECT F-0336(008)			

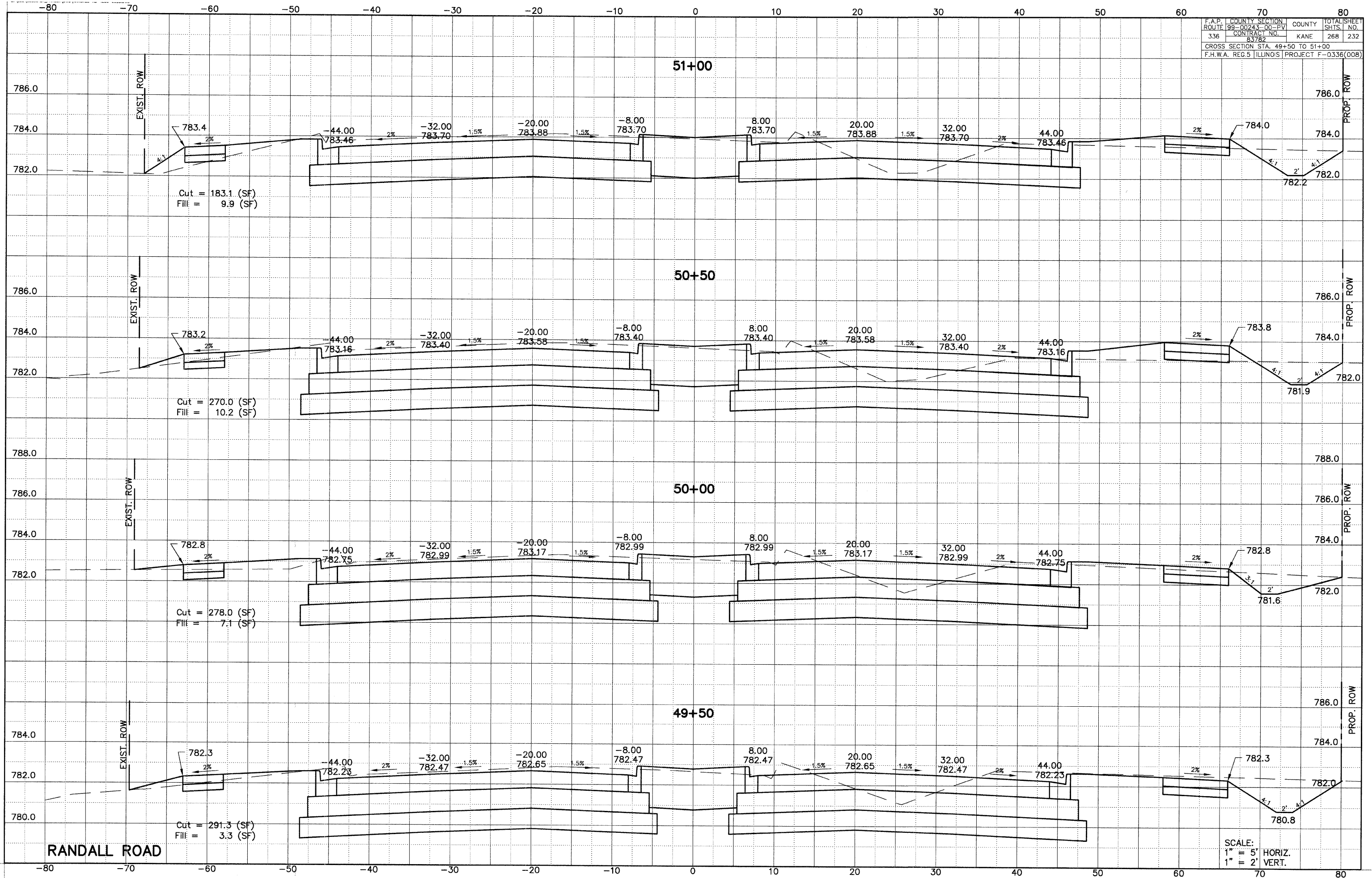


NOTE:
CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

RANDALL ROAD

1" = 5' HORIZ.
1" = 2' VERT.

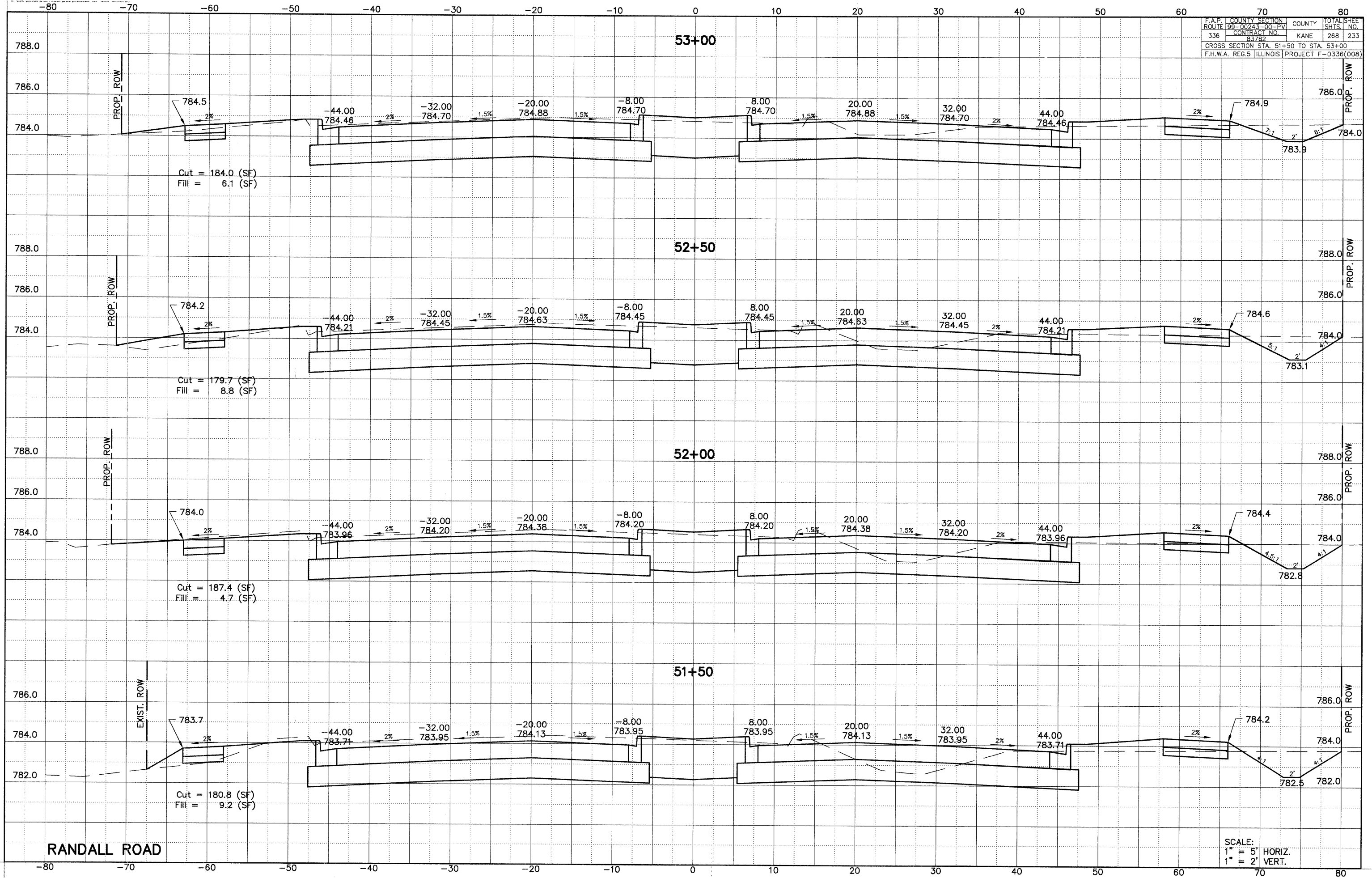
F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEET NO.
336	CONTRACT NO. 83782	KANE	268 232
CROSS SECTION STA. 49+50 TO 51+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



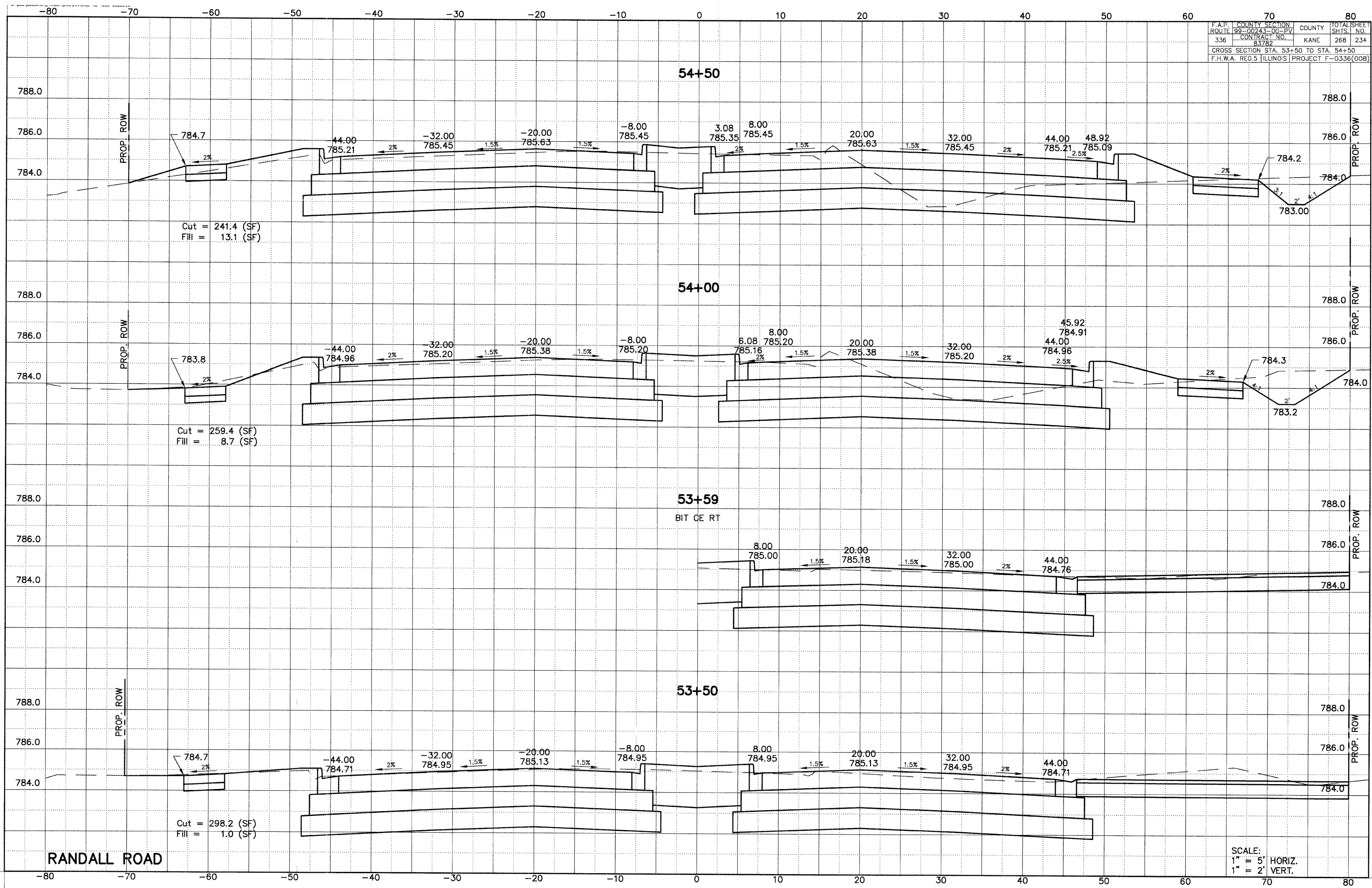
RANDALL ROAD

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
CONTRACT NO. 83782		NO. 233	
CROSS SECTION STA. 51+50 TO STA. 53+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(00B)			



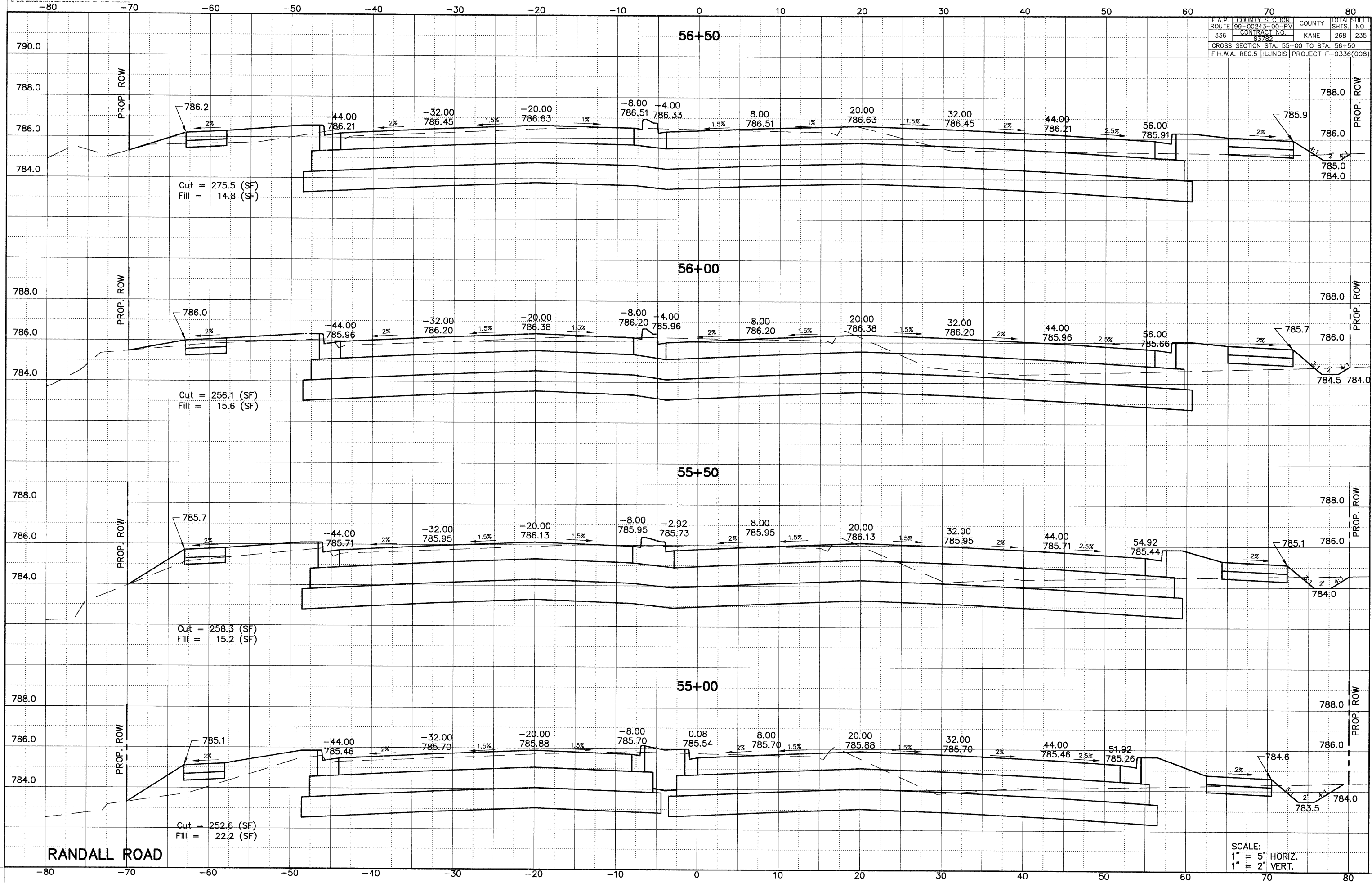
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET NO.
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		234
	83782		
CROSS SECTION STA. 53+50 TO STA. 54+50			
F.H.W.A. REG 5 ILLINOIS PROJECT F-0336(00B)			



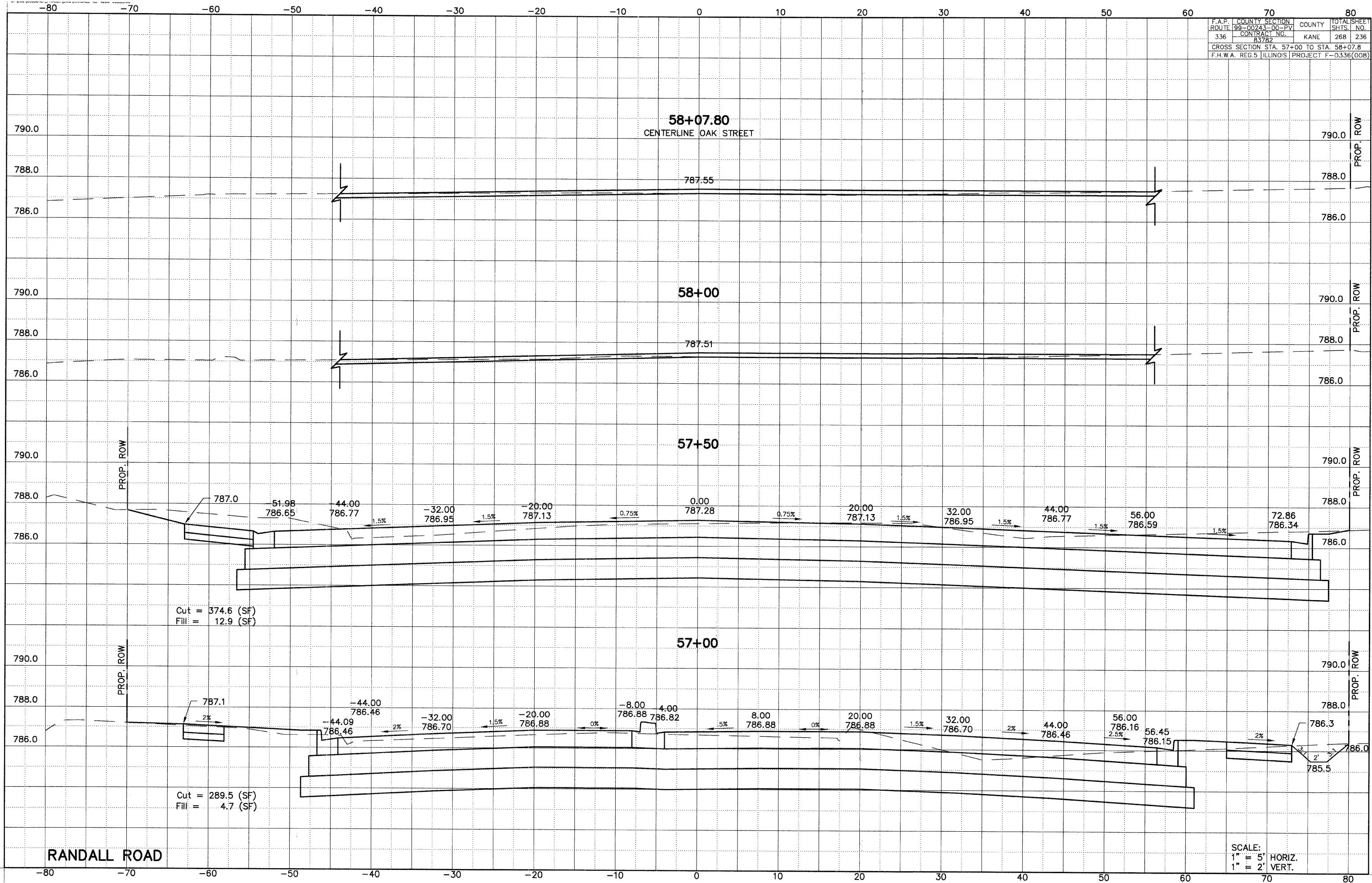
RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		235
	83782		
CROSS SECTION STA. 55+00 TO STA. 56+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(00B)			

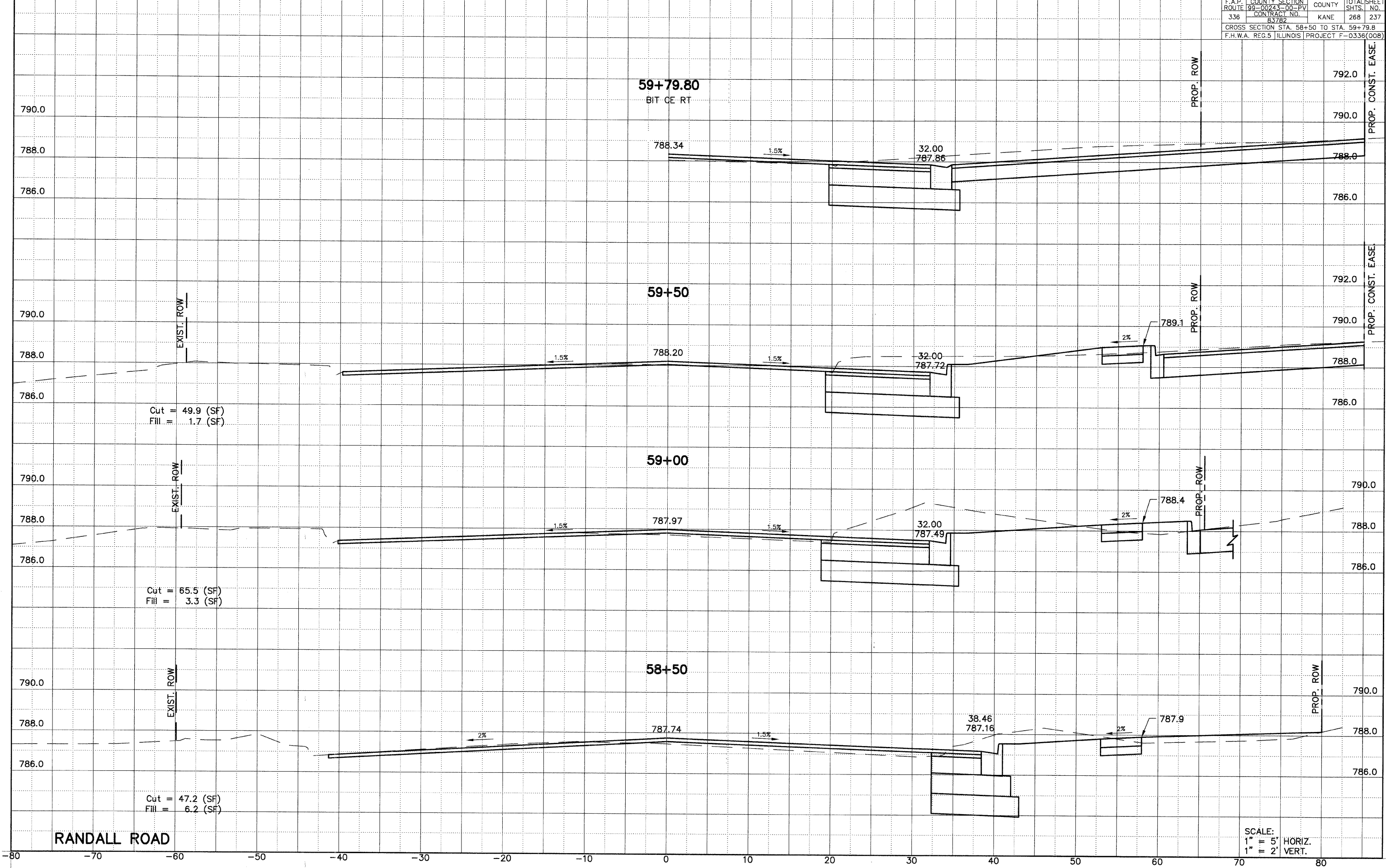


F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		SHEET NO.
	83782		236
CROSS SECTION STA. 57+00 TO STA. 58+07.8			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

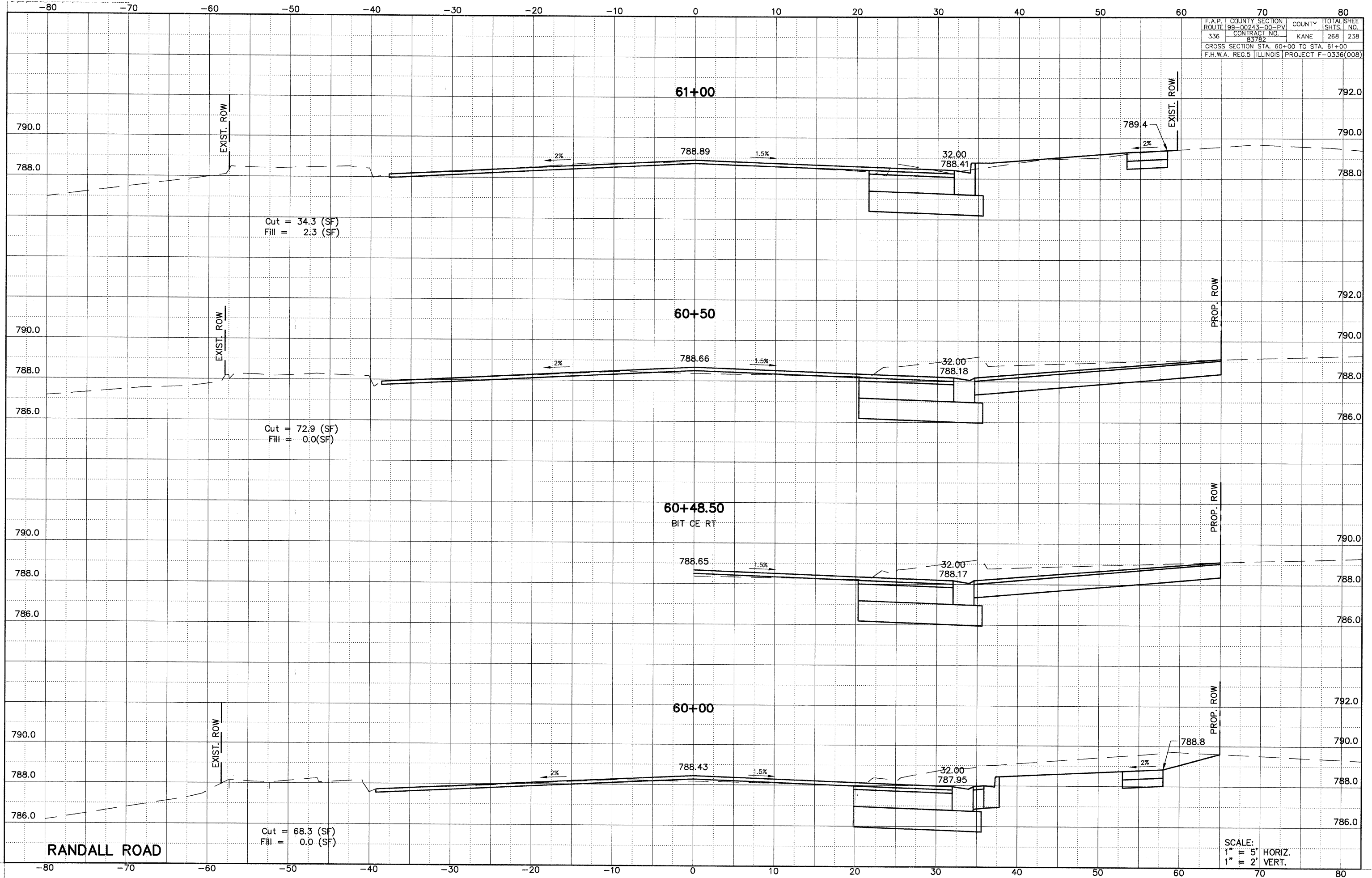
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		SHTS. NO.
	83782		237
CROSS SECTION STA. 58+50 TO STA. 59+79.8			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

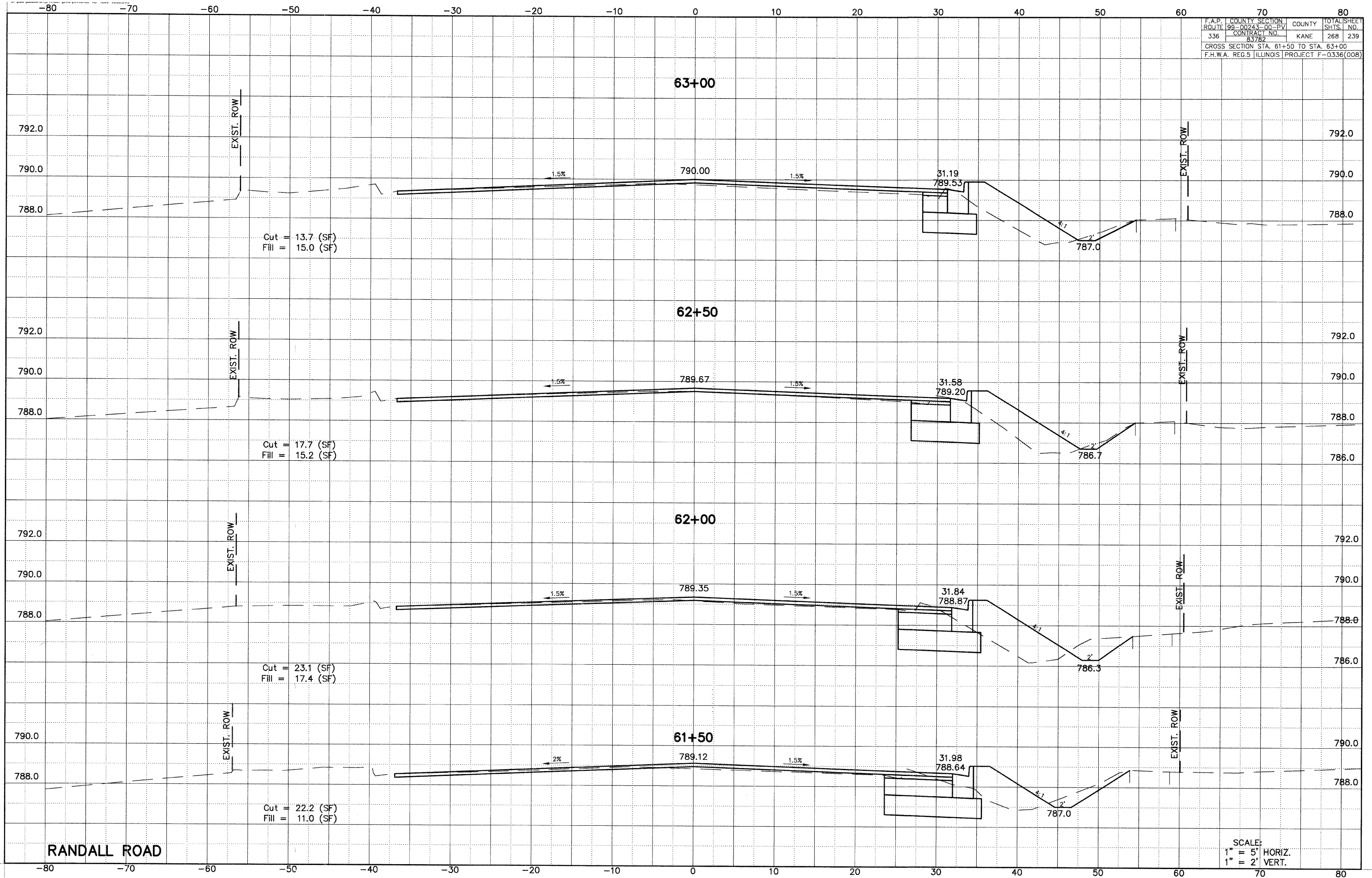
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		SHTS. NO.
	83782		238
CROSS SECTION STA. 60+00 TO STA. 61+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

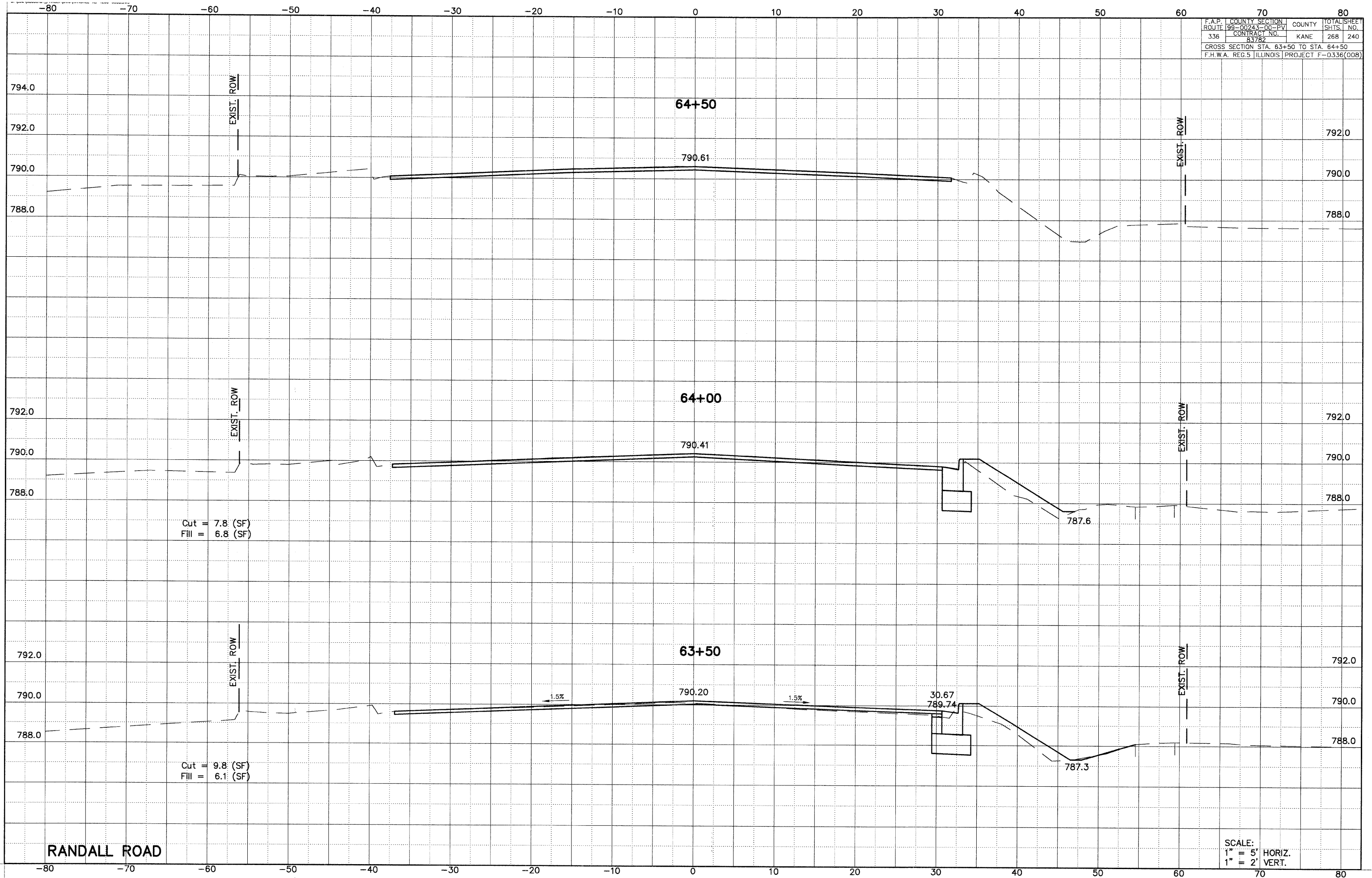
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		NO.
	83782		239
CROSS SECTION STA. 61+50 TO STA. 63+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P.	COUNTY SECTION	COUNTY	TOTAL SHEET
ROUTE 99-00243-00-PV		KANE	268 240
336	CONTRACT NO.		
	83782		
CROSS SECTION STA. 63+50 TO STA. 64+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



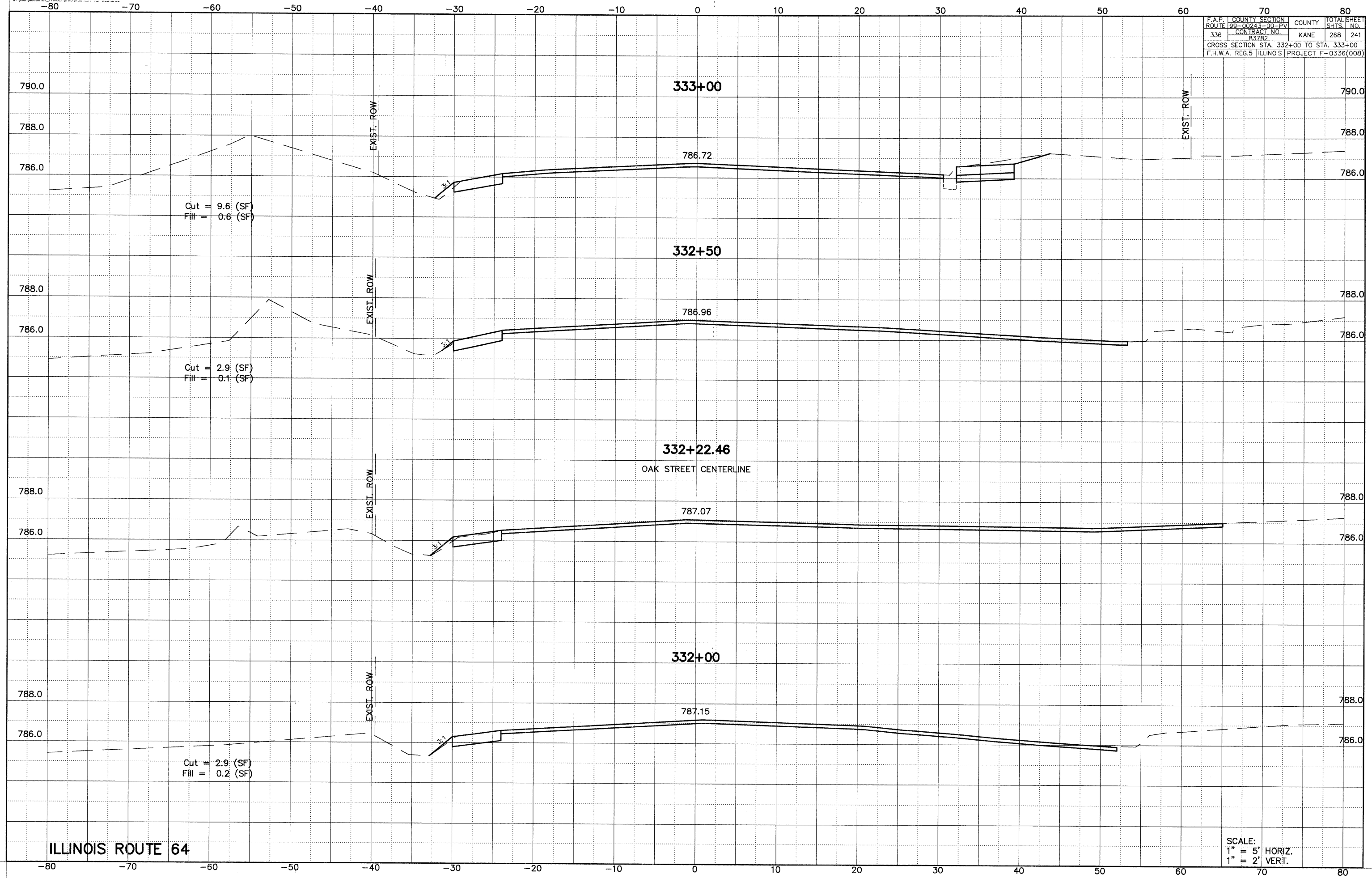
Cut = 7.8 (SF)
Fill = 6.8 (SF)

Cut = 9.8 (SF)
Fill = 6.1 (SF)

RANDALL ROAD

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

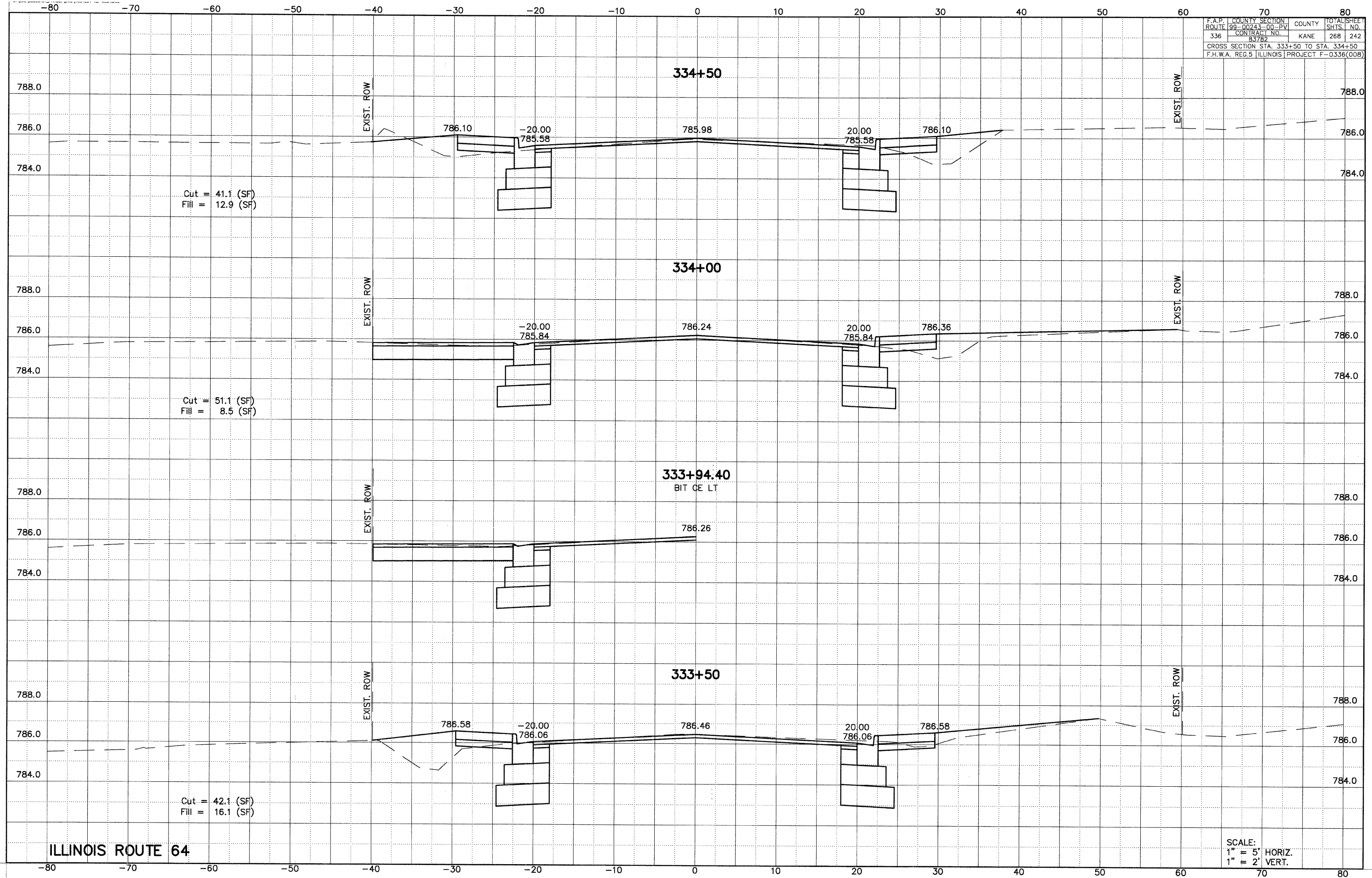
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
CONTRACT NO. 83782			241
CROSS SECTION STA. 332+00 TO STA. 333+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



ILLINOIS ROUTE 64

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

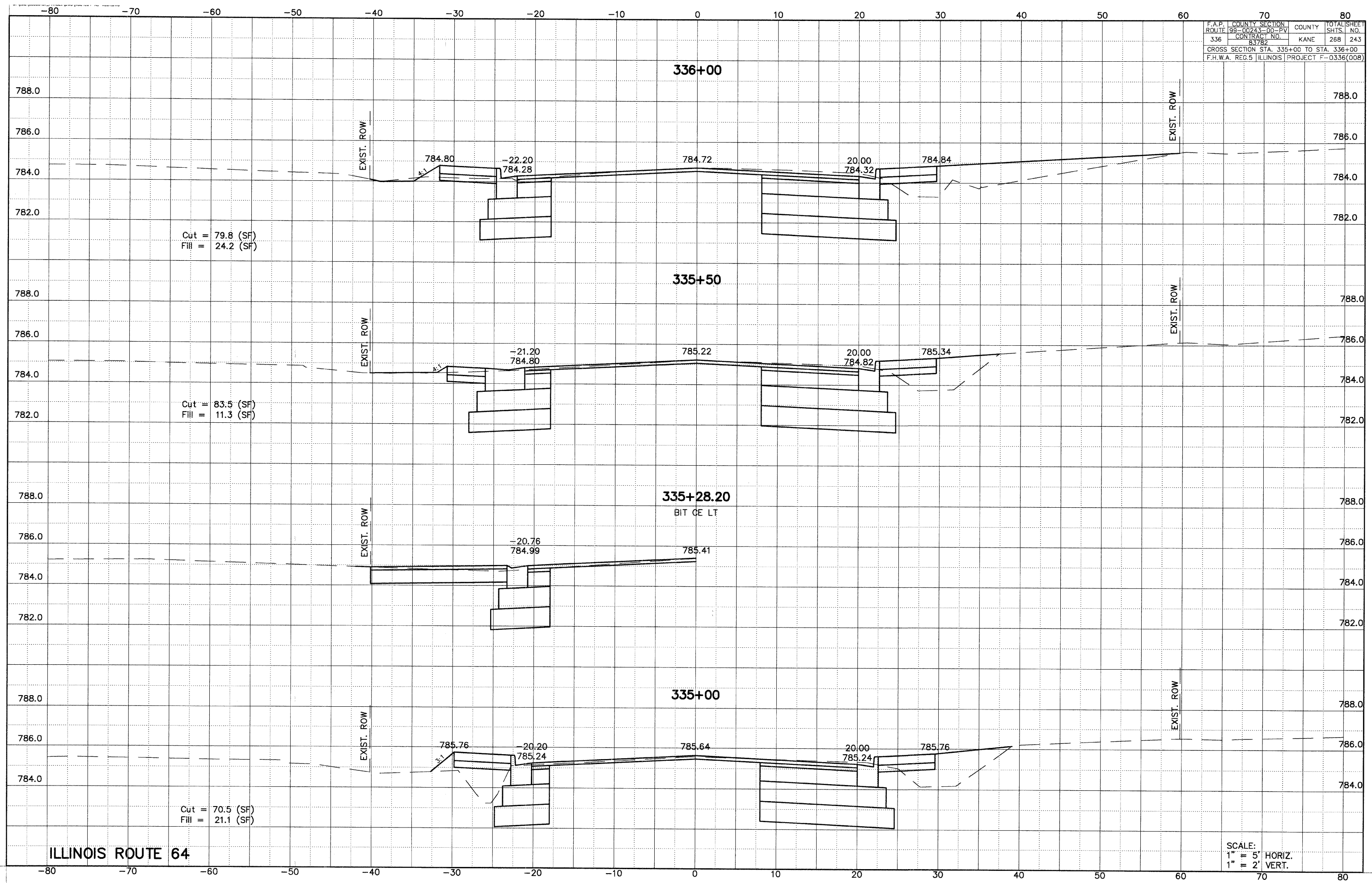
F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEETS
336	KANE	83782	268	242
CROSS SECTION STA. 333+50 TO STA. 334+50				
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)				



ILLINOIS ROUTE 64

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

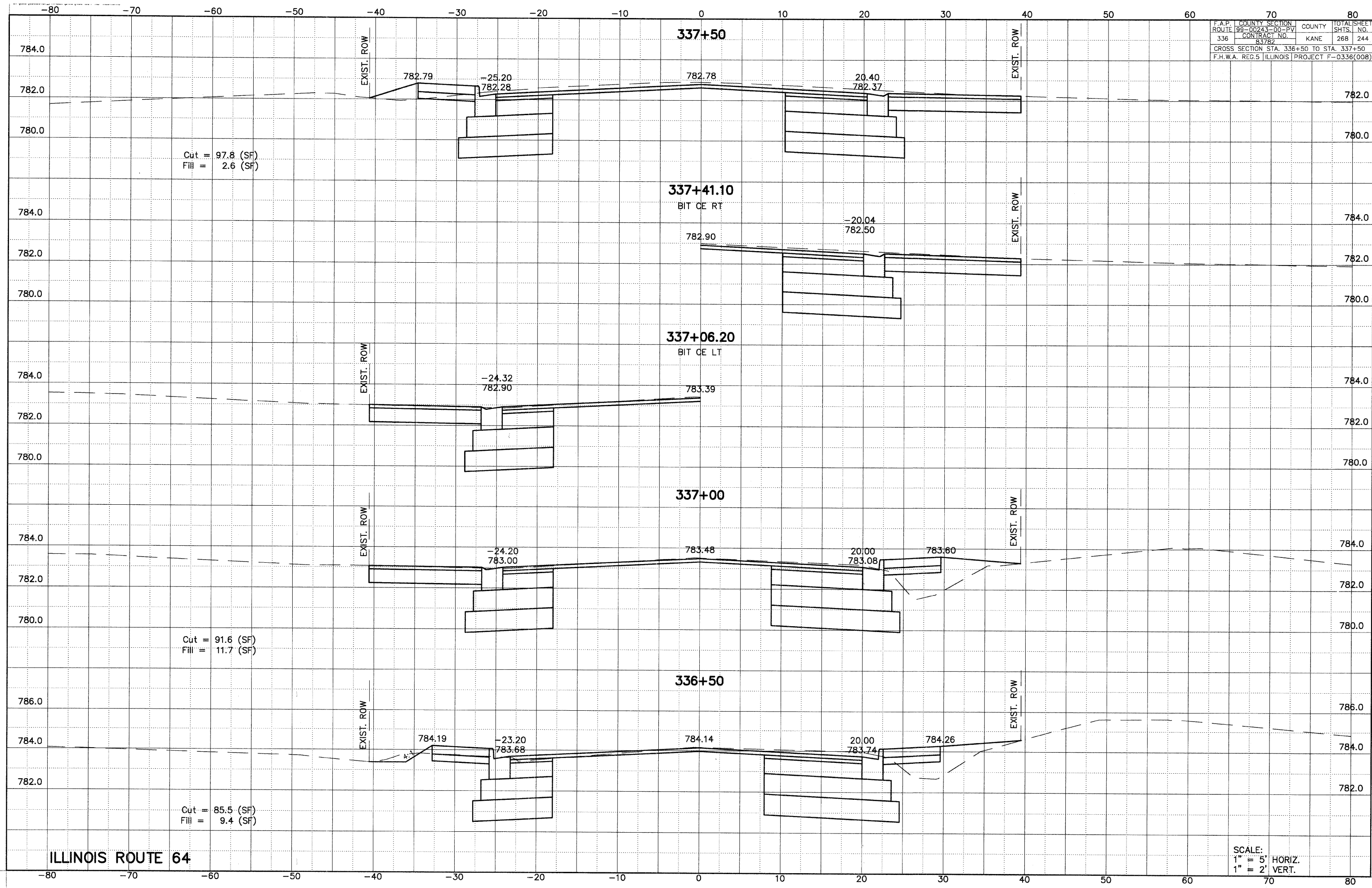
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		SHITS. NO.
	83782		243
CROSS SECTION STA. 335+00 TO STA. 336+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



ILLINOIS ROUTE 64

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

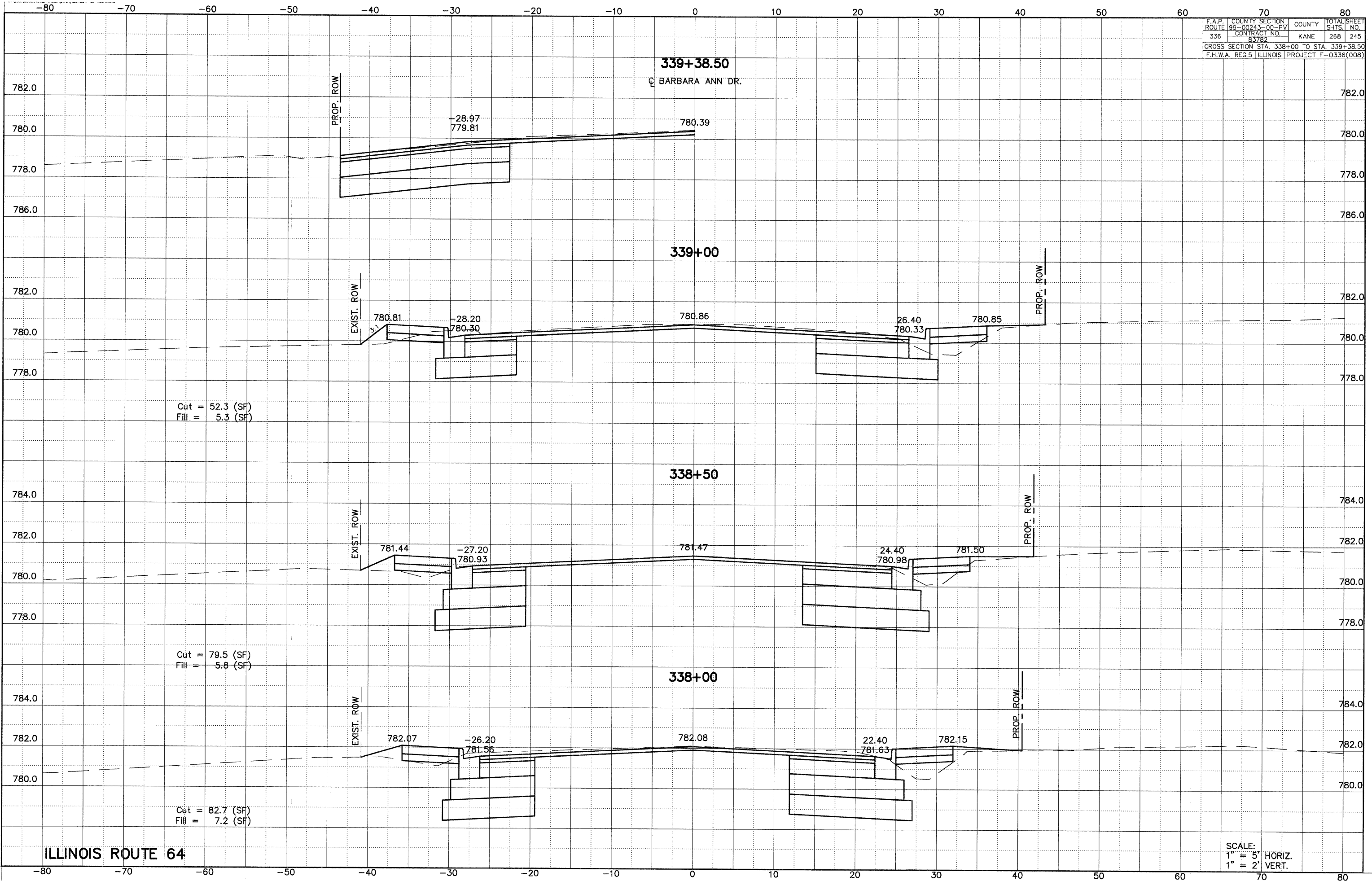
F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	SHTS. NO. 268 244
CROSS SECTION STA. 336+50 TO STA. 337+50			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



ILLINOIS ROUTE 64

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

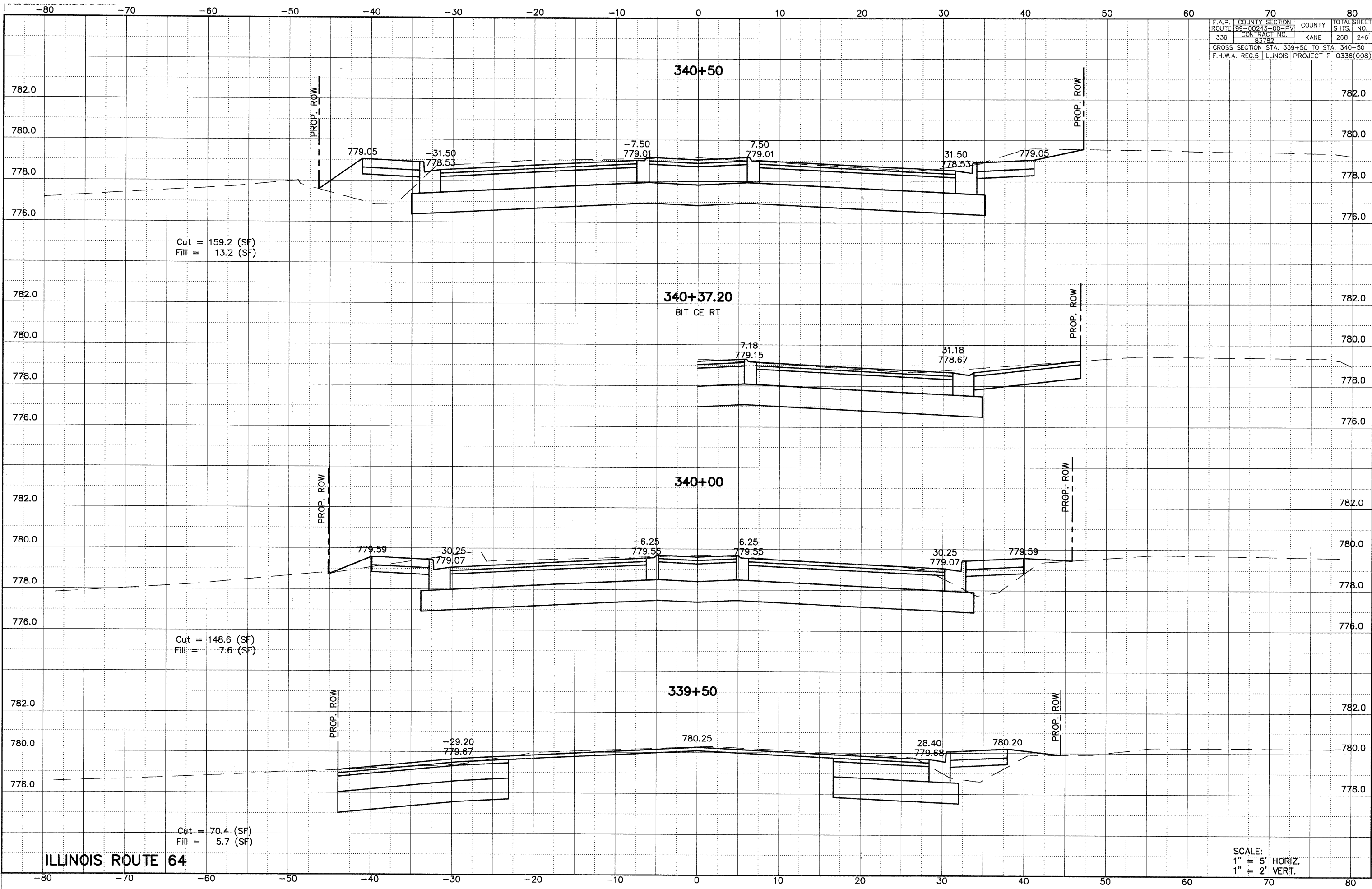
F.A.P. ROUTE 336	COUNTY SECTION 98-00243-00-FV	CONTRACT NO. 83782	COUNTY KANE	TOTAL SHEETS 268	SHTS. NO. 245
CROSS SECTION STA. 338+00 TO STA. 339+38.50					
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)					



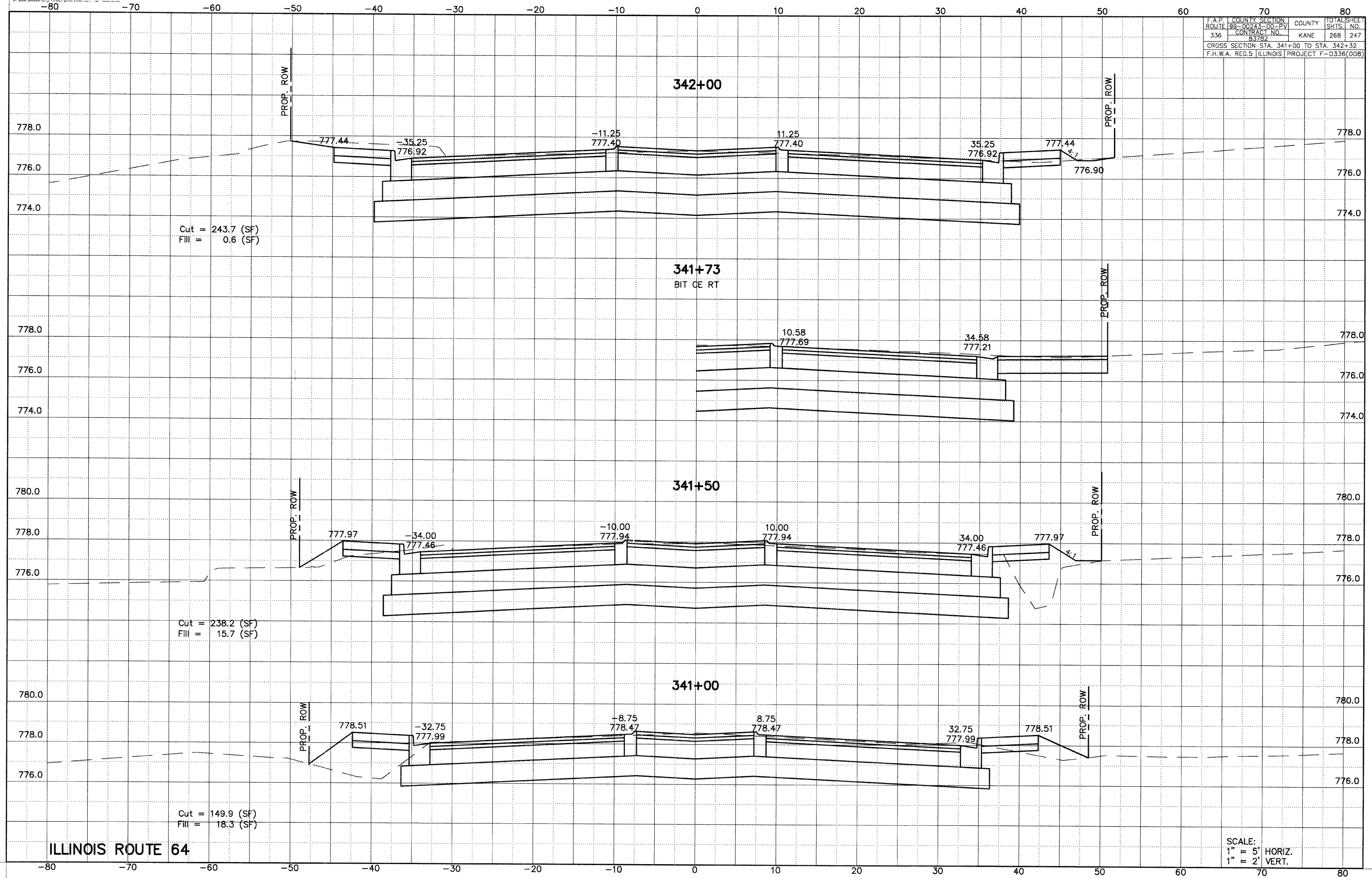
ILLINOIS ROUTE 64

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

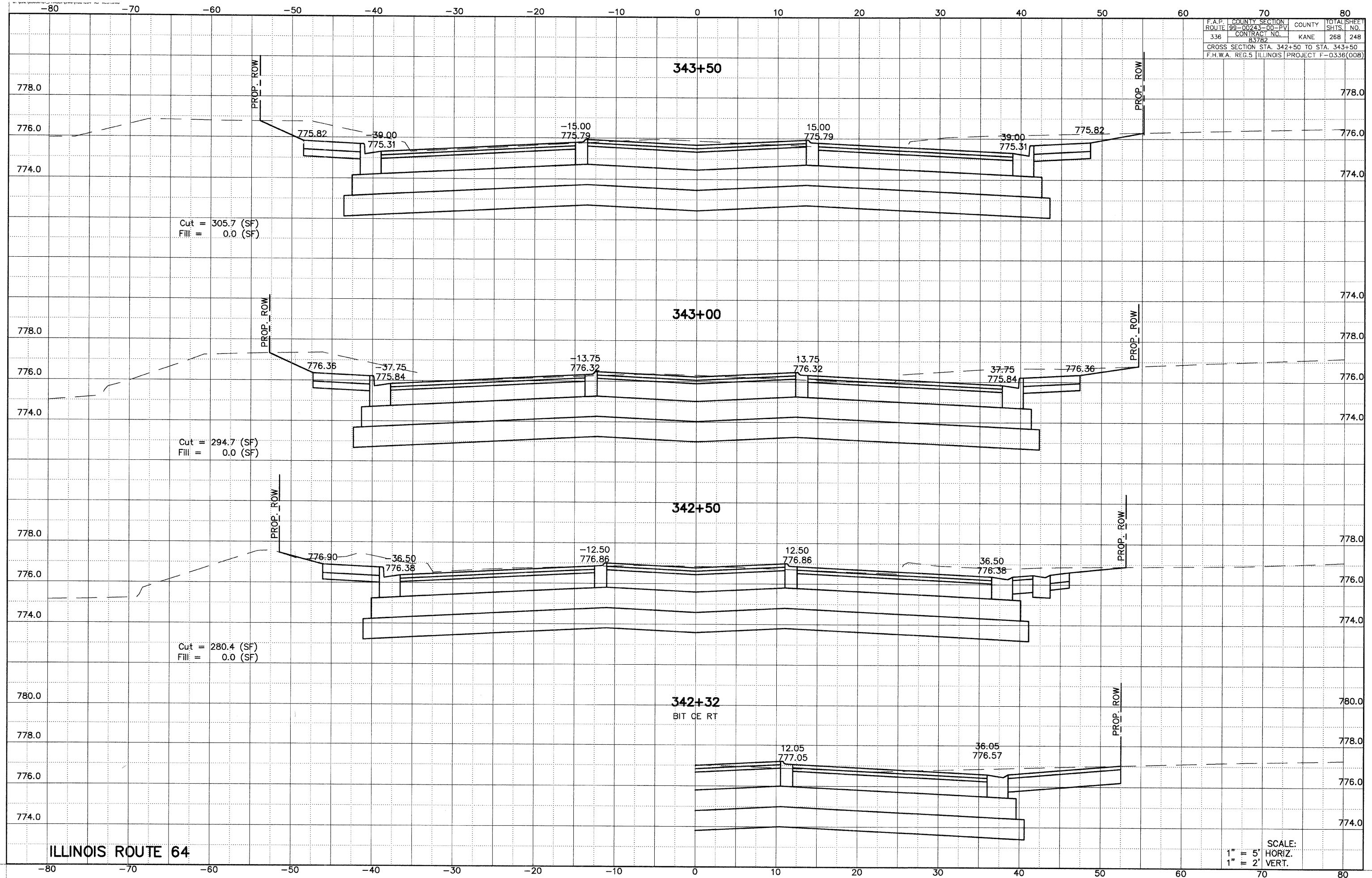
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		246
	83782		
CROSS SECTION STA. 339+50 TO STA. 340+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEETS
99-00243-00-EV	KANE			268 247
336		CONTRACT NO.		
		83782		
CROSS SECTION STA. 341+00 TO STA. 342+32				
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)				



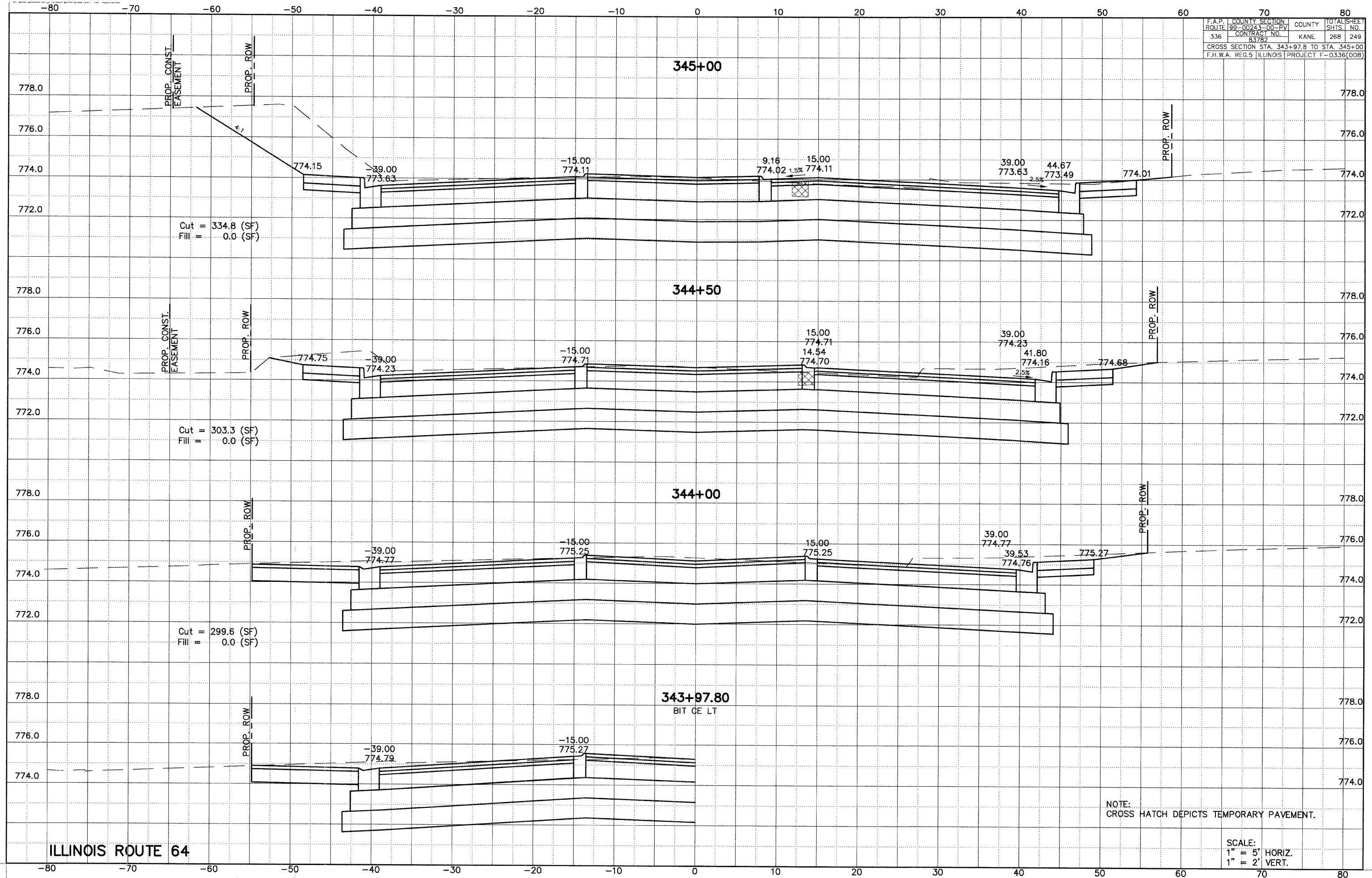
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	98-00243-00-PV	KANE	268
	CONTRACT NO.		248
	83782		
CROSS SECTION STA. 342+50 TO STA. 343+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



ILLINOIS ROUTE 64

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. COUNTY SECTION	ROUTE 98-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	268
CROSS SECTION STA. 343+97.8 TO STA. 345+00			249
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



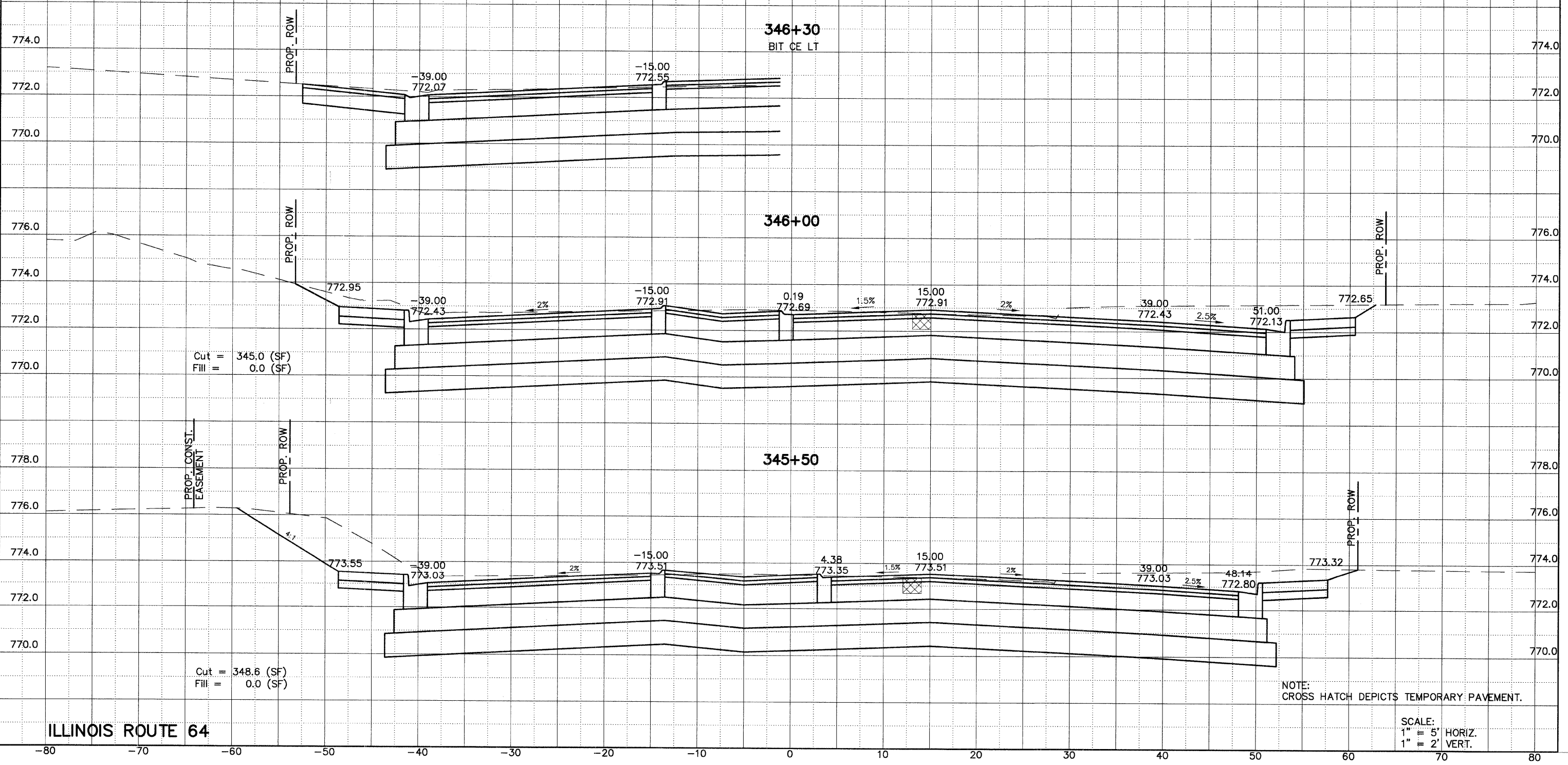
NOTE: CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

ILLINOIS ROUTE 64

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

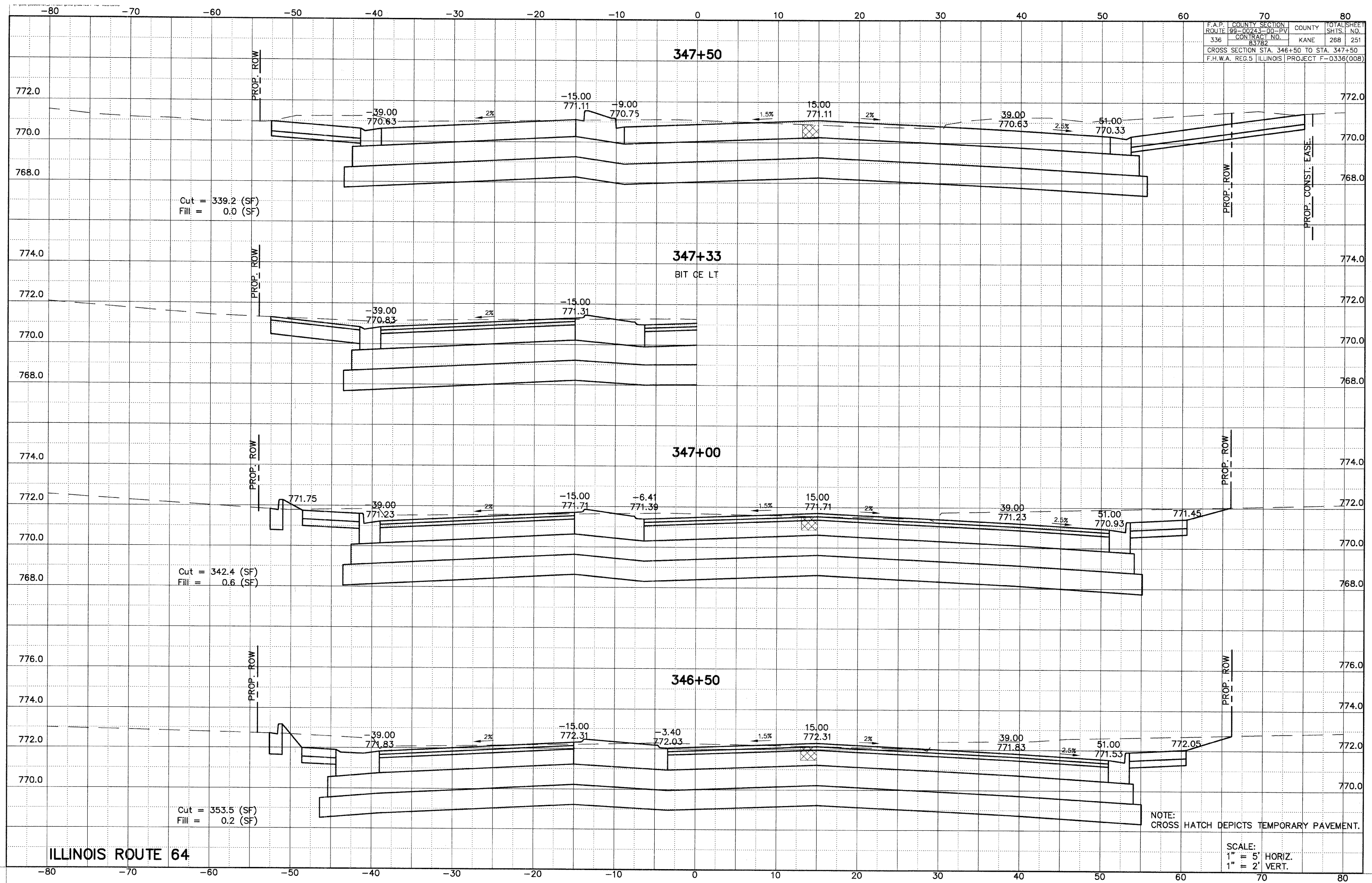
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
CONTRACT NO. 83782			250
CROSS SECTION STA. 345+50 TO STA. 346+30			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



ILLINOIS ROUTE 64

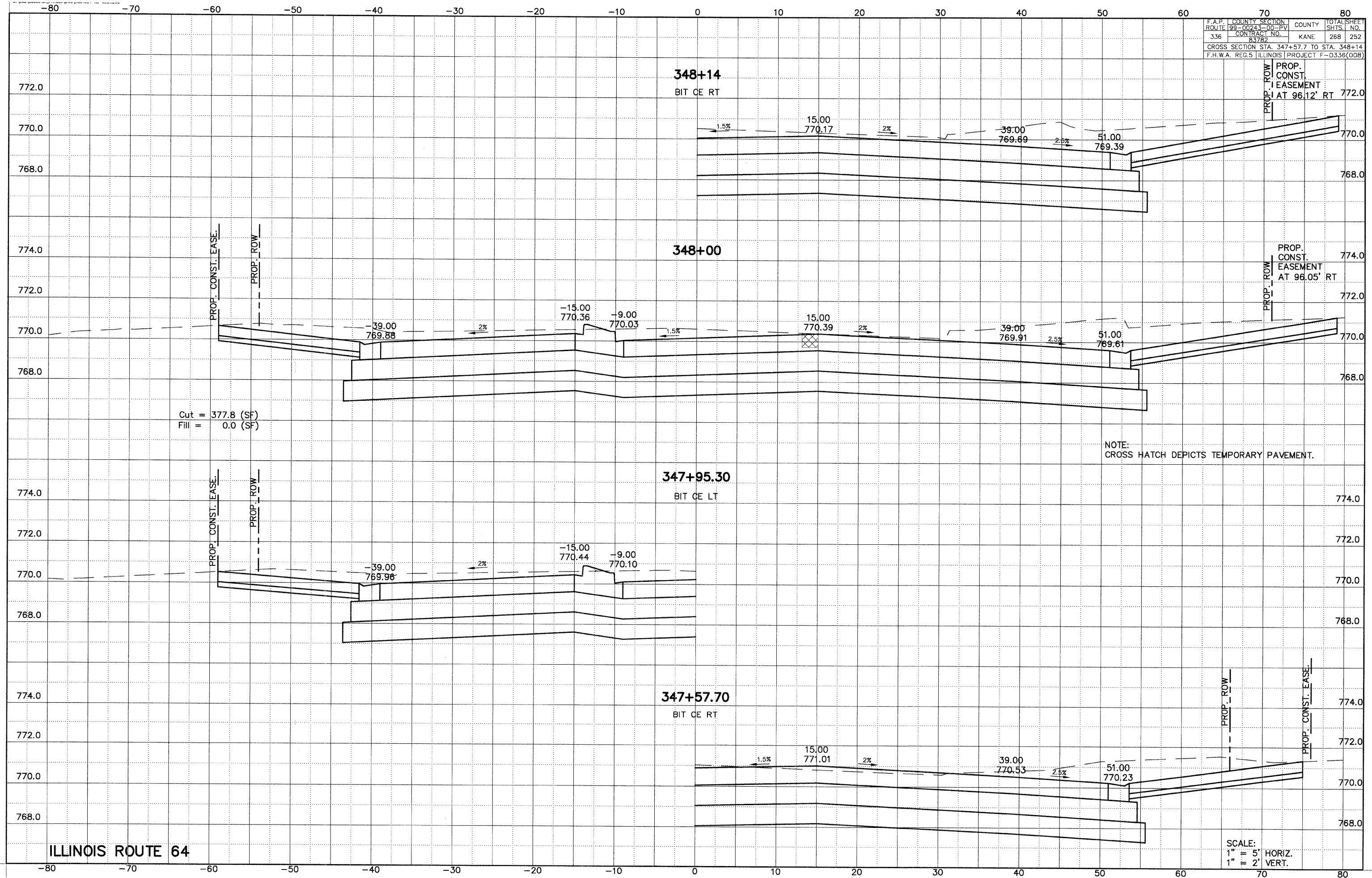
-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
CONTRACT NO. 83782			251
CROSS SECTION STA. 346+50 TO STA. 347+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



ILLINOIS ROUTE 64

F.A.P. COUNTY SECTION	ROUTE 98-00243-00-PV	CONTRACT NO.	83782	COUNTY	KANE	TOTAL SHEETS	268	SHEET NO.	252
CROSS SECTION STA. 347+57.7 TO STA. 348+14		F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(00B)							



Cut = 377.8 (SF)
 Fill = 0.0 (SF)

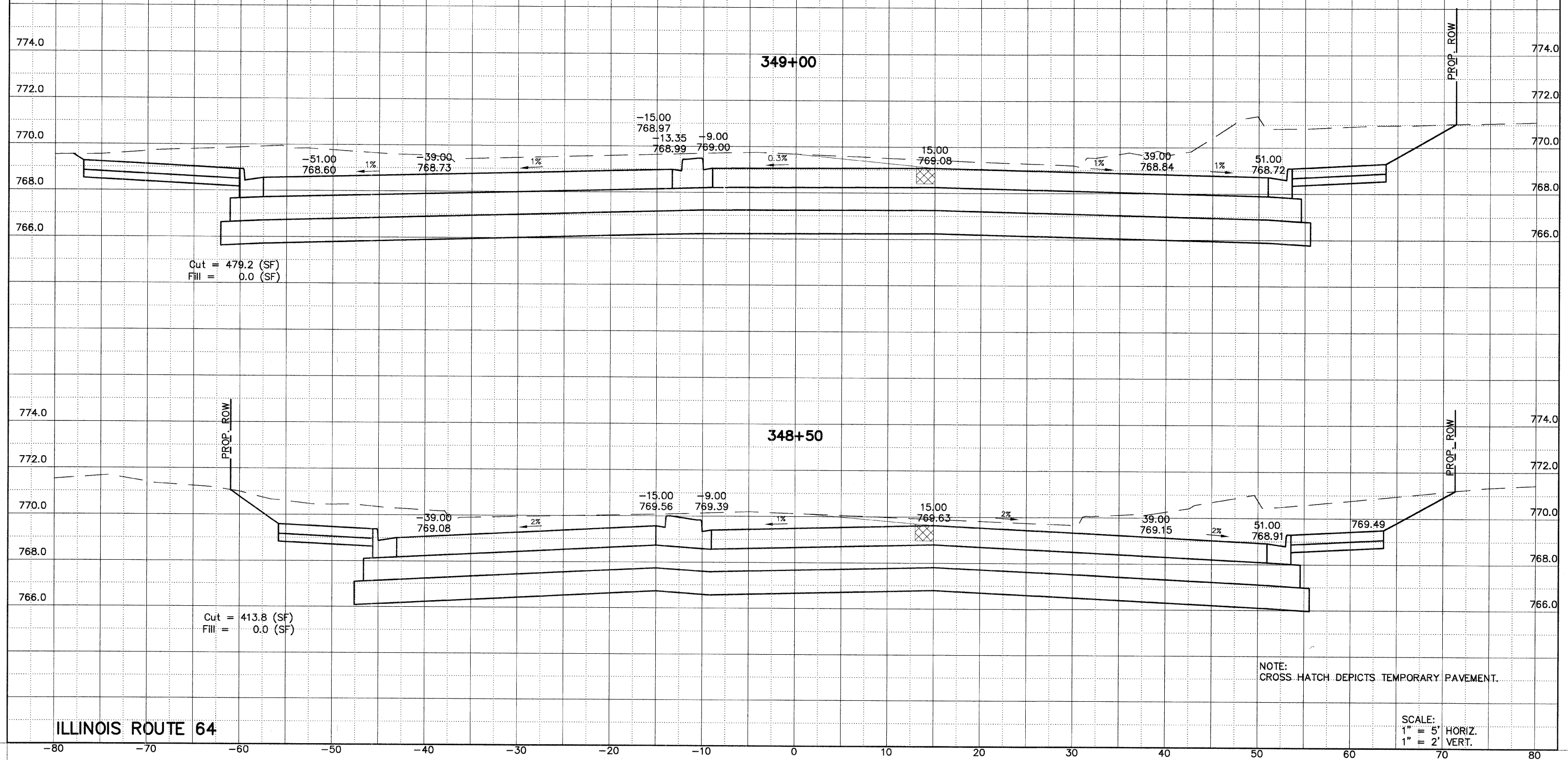
NOTE:
 CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

ILLINOIS ROUTE 64

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	268 253
CROSS SECTION STA. 348+50 TO STA. 350+50			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			

FOR SECTIONS STA. 349+50 TO STA. 350+50
SEE PLAN SHEET

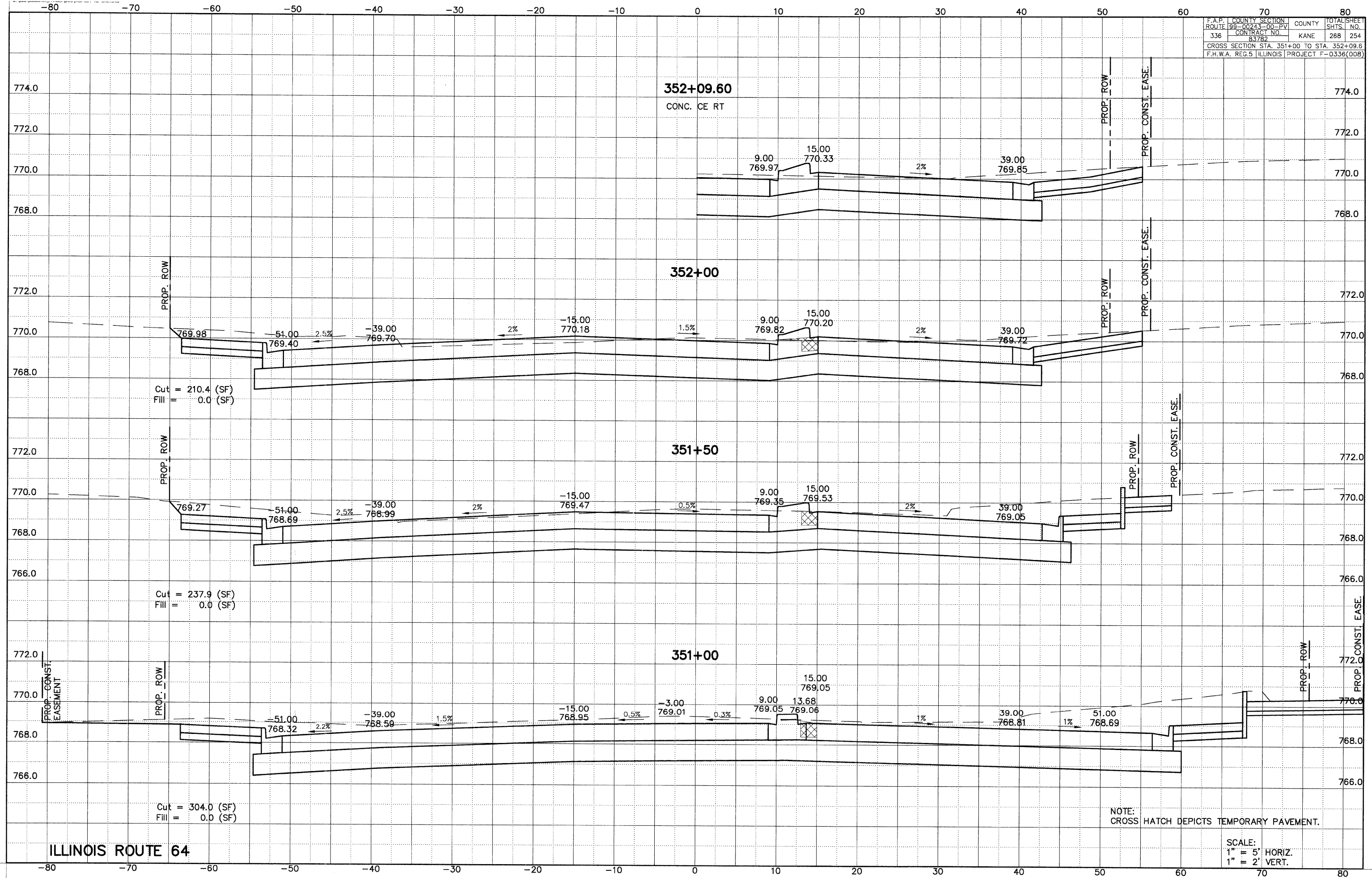


NOTE: CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

ILLINOIS ROUTE 64

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEETS
336	KANE	99-00243-00-PV	268	294
CONTRACT NO.		83782		
CROSS SECTION STA. 351+00 TO STA. 352+09.6				
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)				

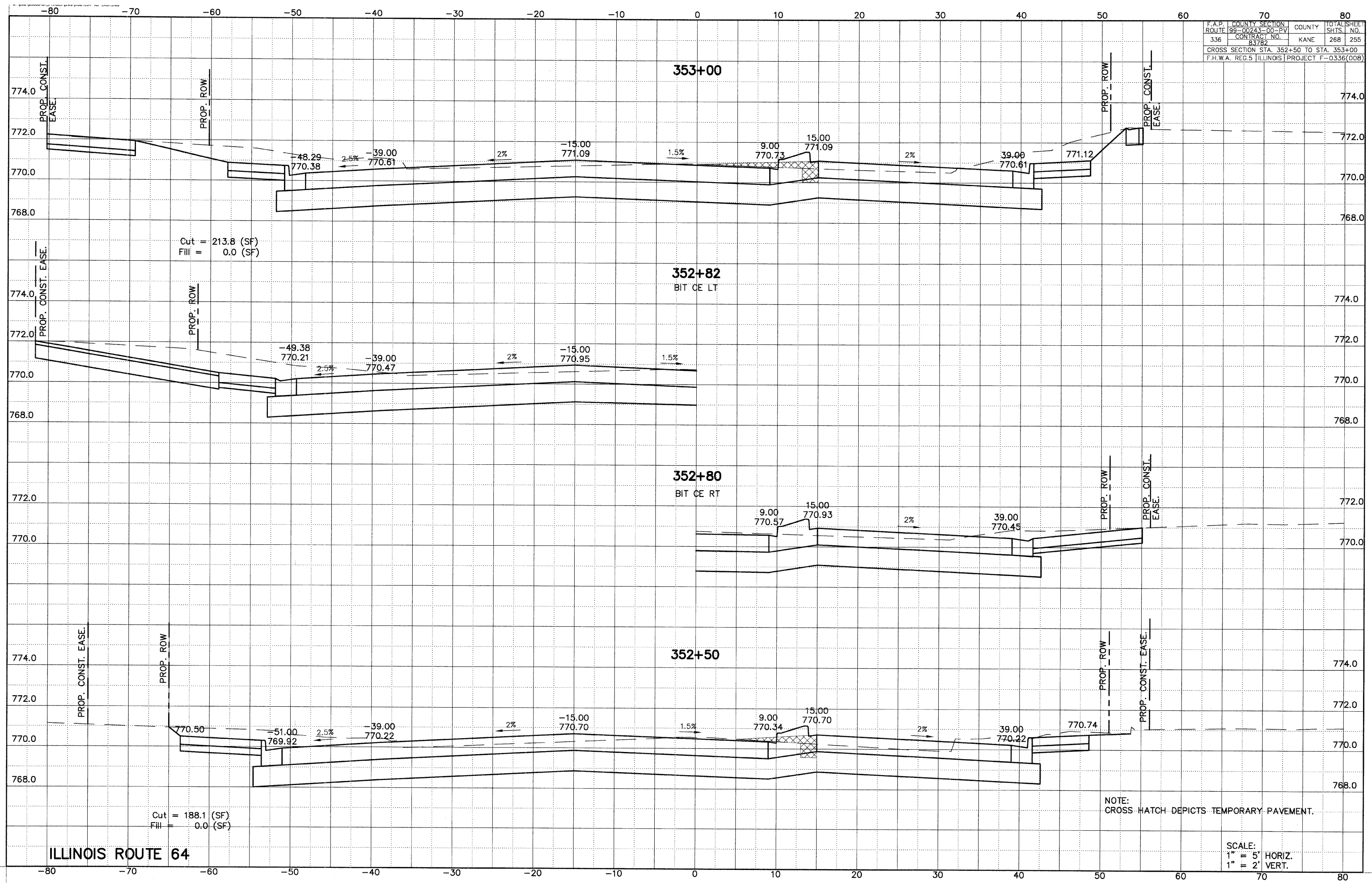


ILLINOIS ROUTE 64

NOTE:
CROSS HATCH DEPICTS TEMPORARY PAVEMENT.

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

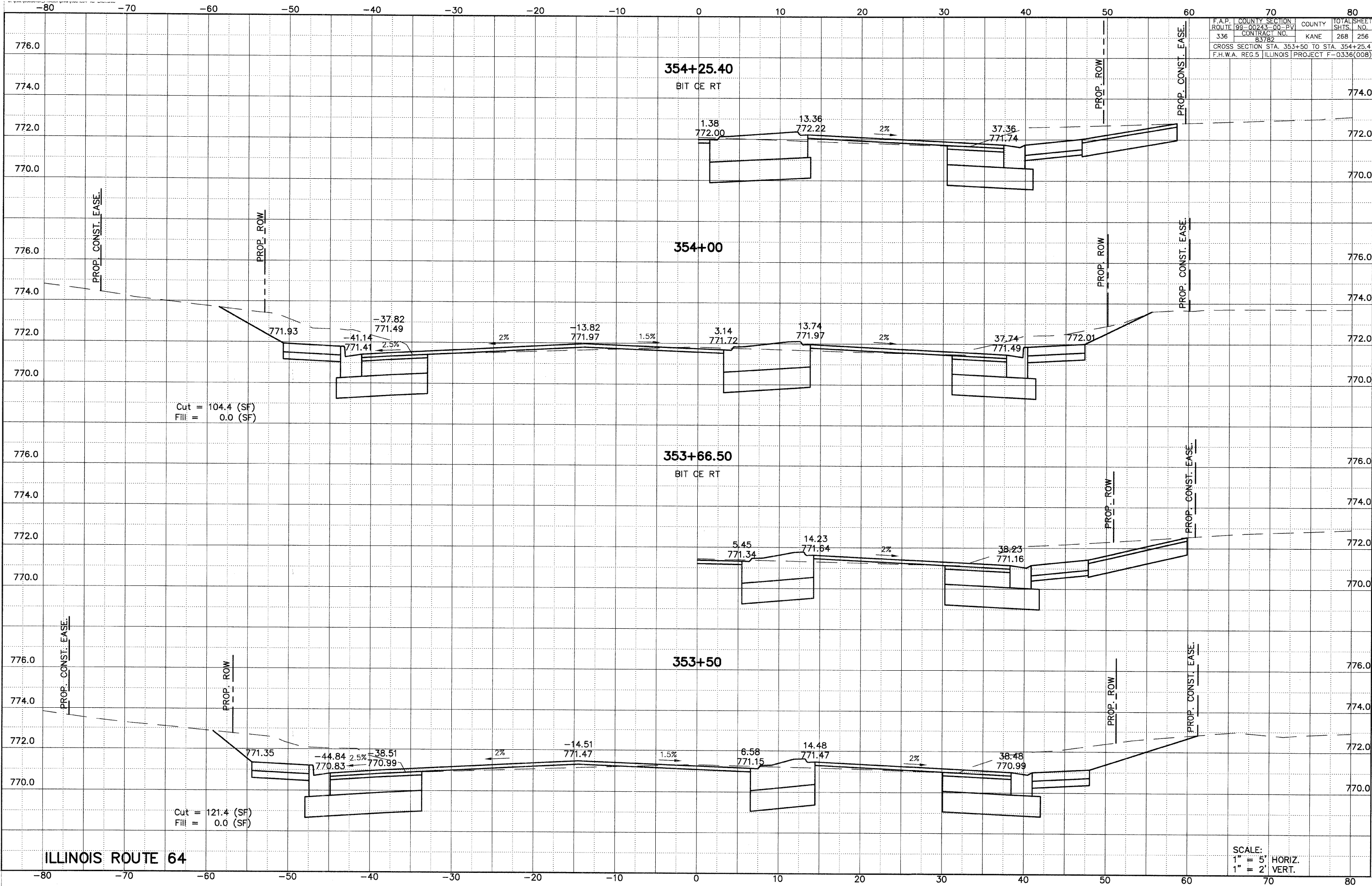
F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEET
99-00243-00-PV	KANE	83782	KANE	268
336				255
CROSS SECTION STA. 352+50 TO STA. 353+00				
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)				



ILLINOIS ROUTE 64

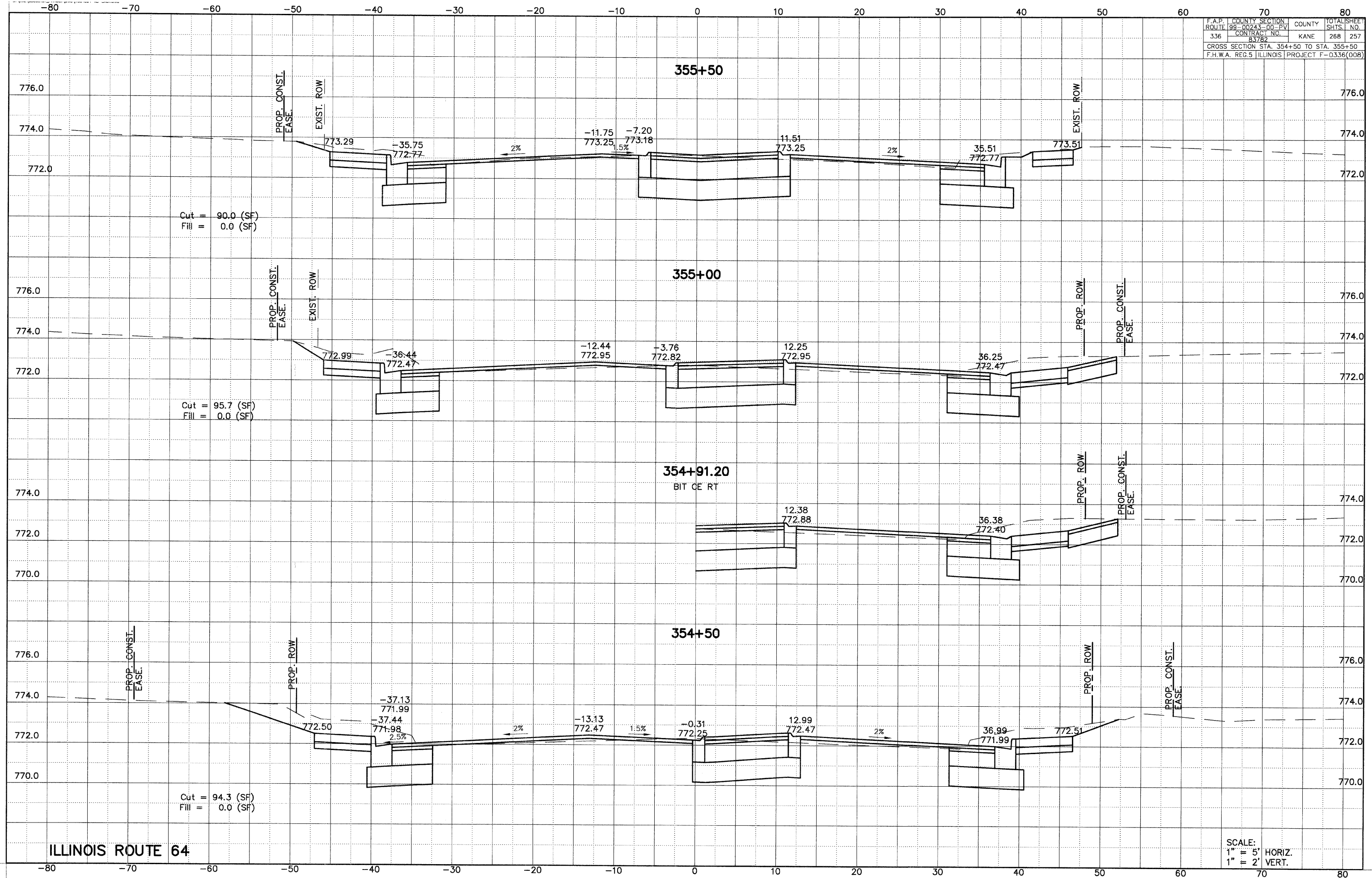
NOTE: CROSS-HATCH-DEPICTS-TEMPORARY-PAVEMENT.

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.



F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	268
CROSS SECTION STA. 353+50 TO STA. 354+25.4			296
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			

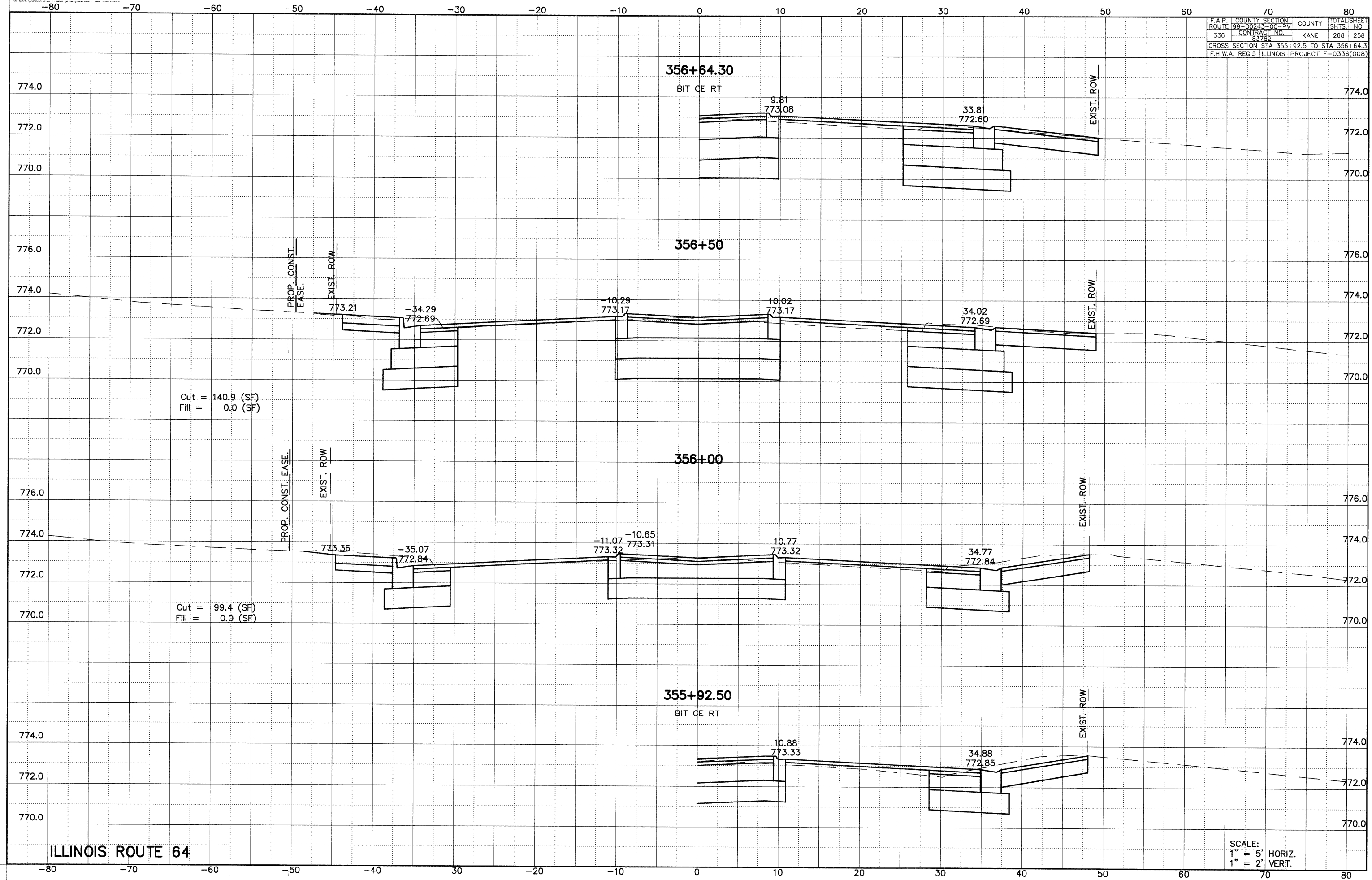
F.A.P. COUNTY SECTION	ROUTE 99-00243-00-FV	KANE	TOTAL SHEET
336	CONTRACT NO. 83782		268
CROSS SECTION STA. 354+50 TO STA. 355+50			257
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



ILLINOIS ROUTE 64

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

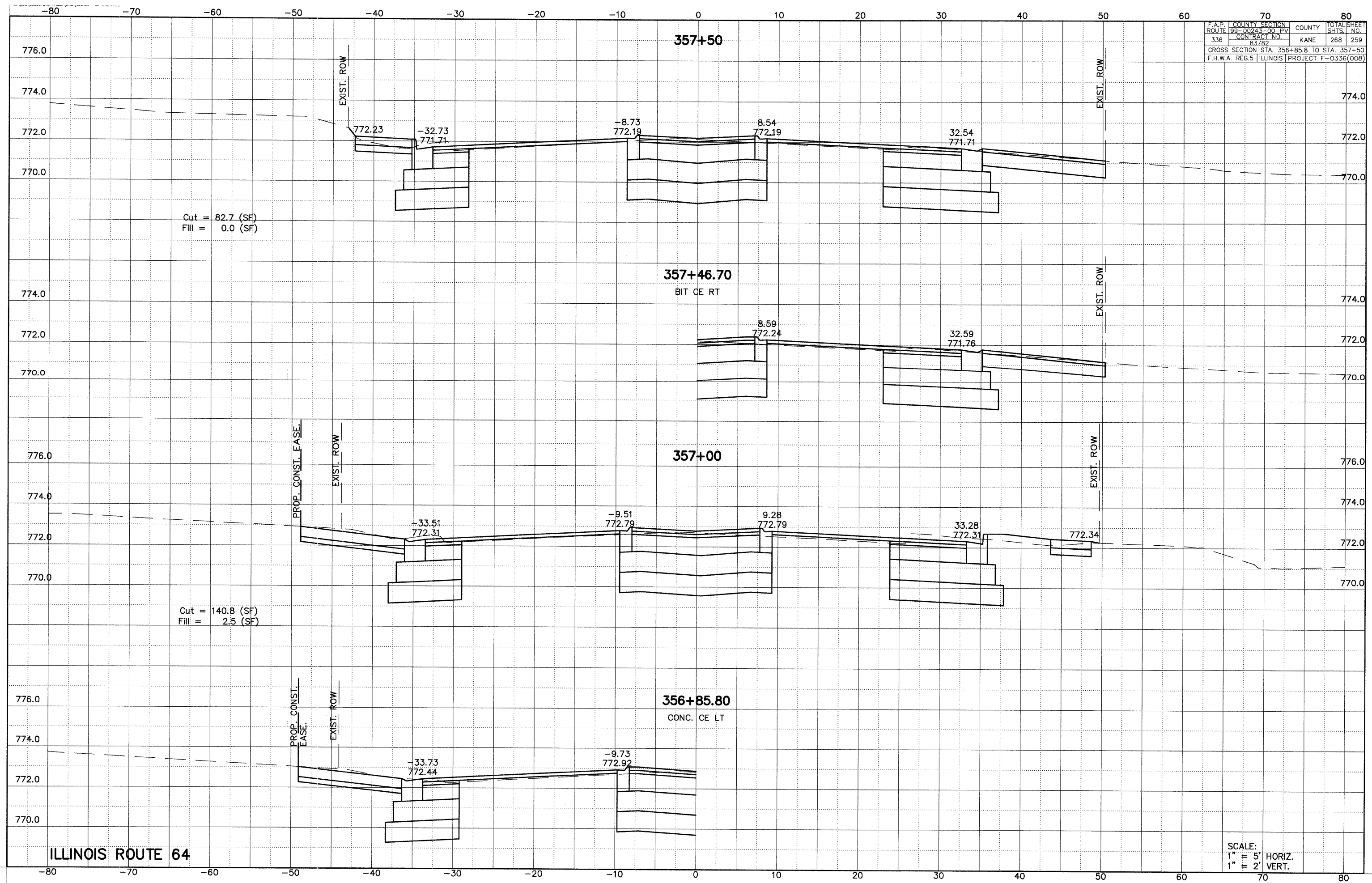
F.A.P. COUNTY SECTION	COUNTY	TOTAL SHEET
ROUTE 99-00243-00-PV	KANE	268 258
336 CONTRACT NO. 83782		
CROSS SECTION STA 355+92.5 TO STA 356+64.3		
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)		



ILLINOIS ROUTE 64

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		259
	83782		
CROSS SECTION STA. 356+85.8 TO STA. 357+50			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(00B)			



ILLINOIS ROUTE 64

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

-80 -70 -60 -50 -40 -30 -20 -10 0 10 20 30 40 50 60 70 80

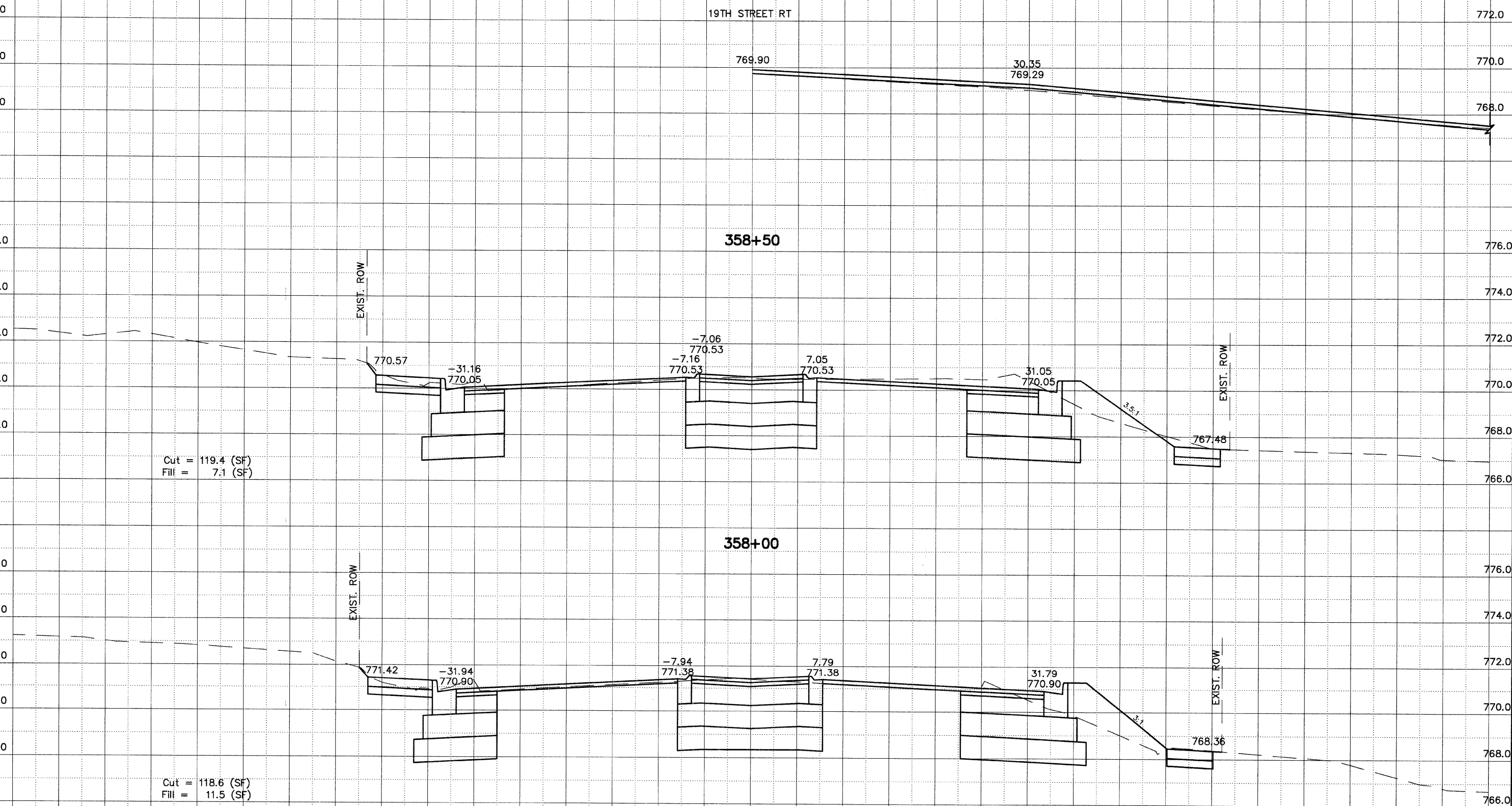
F.A.P. COUNTY SECTION	COUNTY	TOTAL SHEET
ROUTE 99-00243-00-PV	KANE	268 260
336 CONTRACT NO.	83782	
CROSS SECTION STA. 358+00 TO STA. 358+96.6		
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)		

358+96.60

19TH STREET RT

358+50

358+00



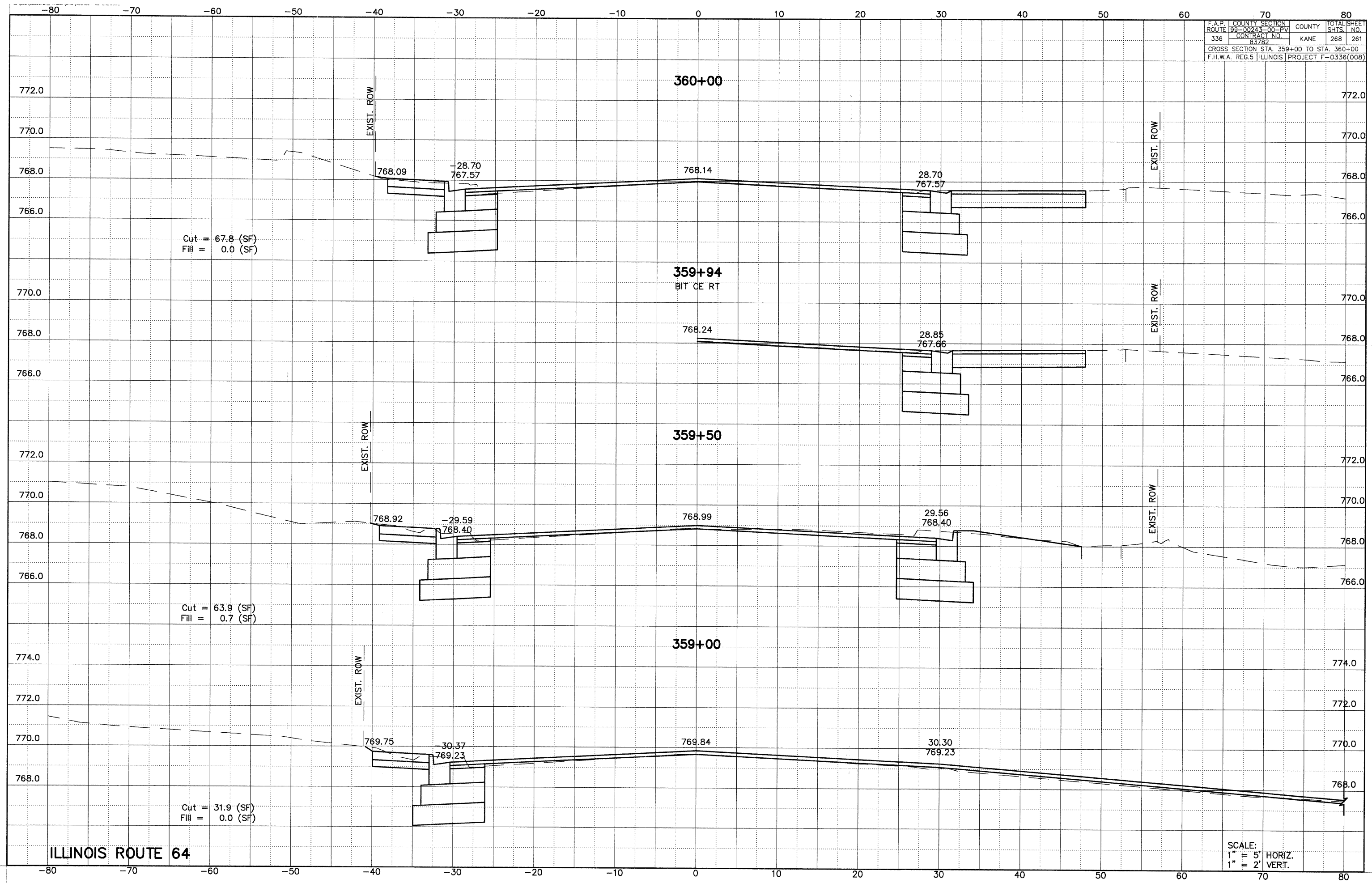
Cut = 119.4 (SF)
Fill = 7.1 (SF)

Cut = 118.6 (SF)
Fill = 11.5 (SF)

ILLINOIS ROUTE 64

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

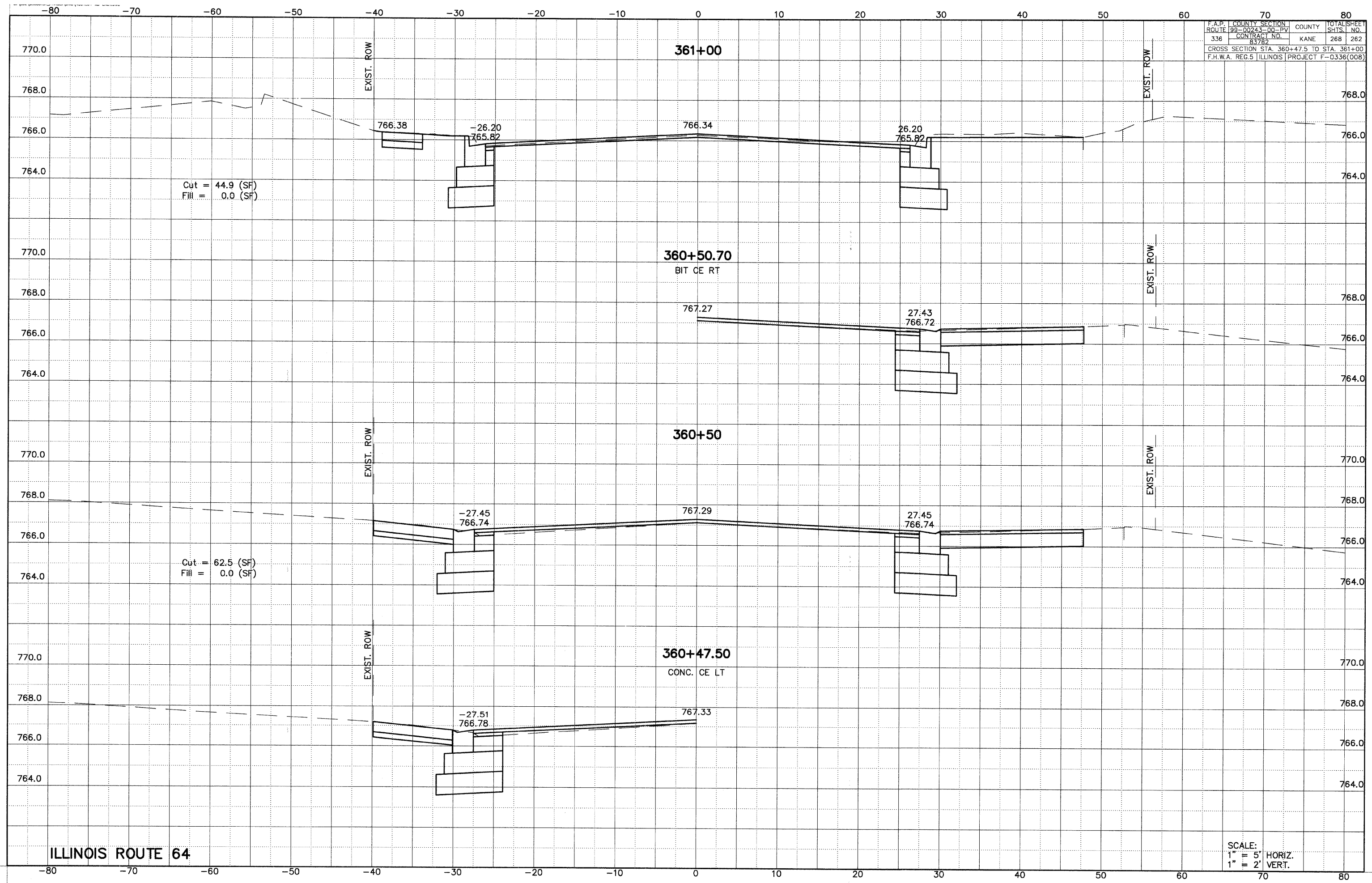
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEETS
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		261
	83782		
CROSS SECTION STA. 359+00 TO STA. 360+00			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



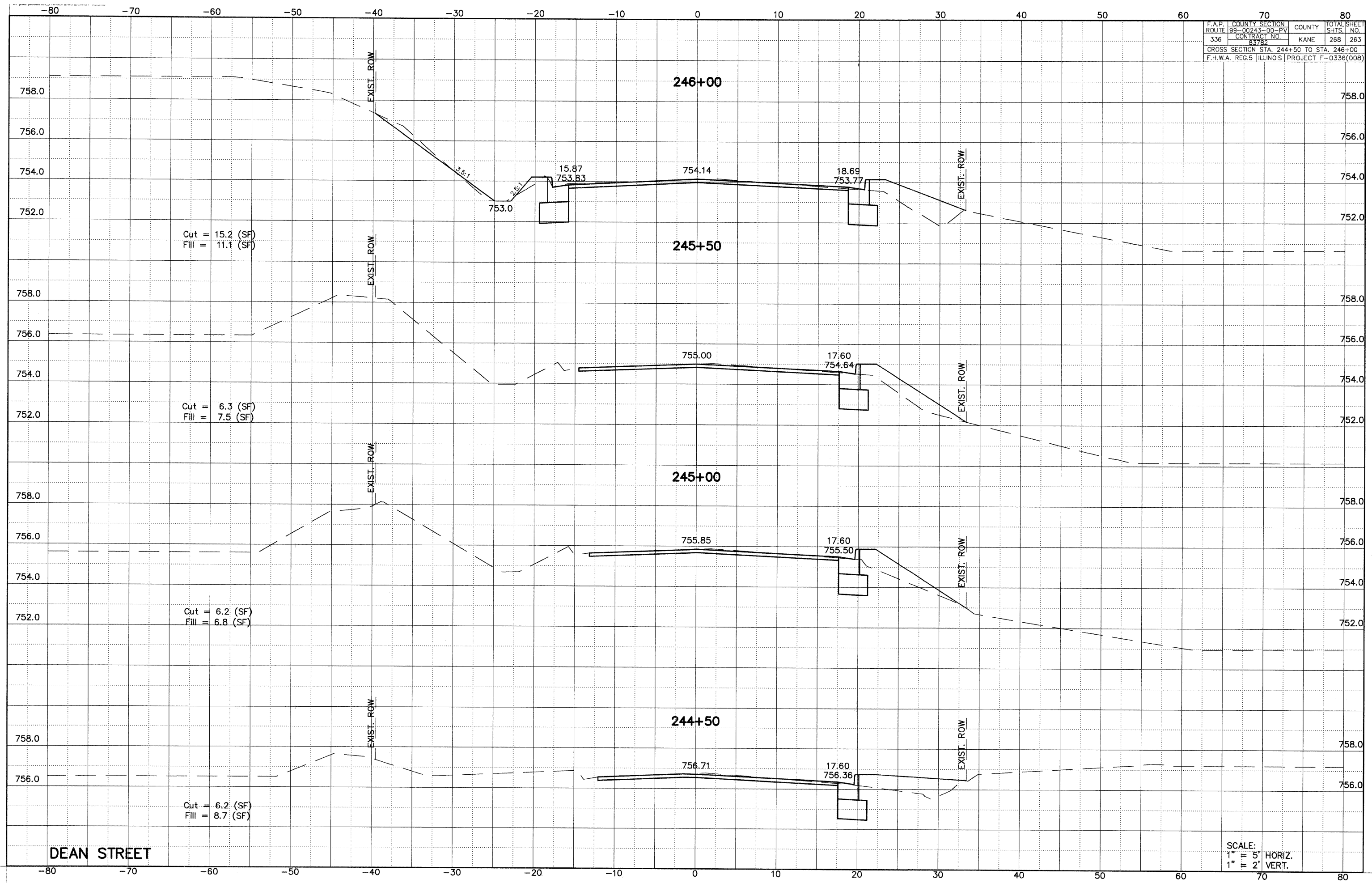
ILLINOIS ROUTE 64

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. COUNTY SECTION	ROUTE 99-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	268 262
CROSS SECTION STA. 360+47.5 TO STA. 361+00			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



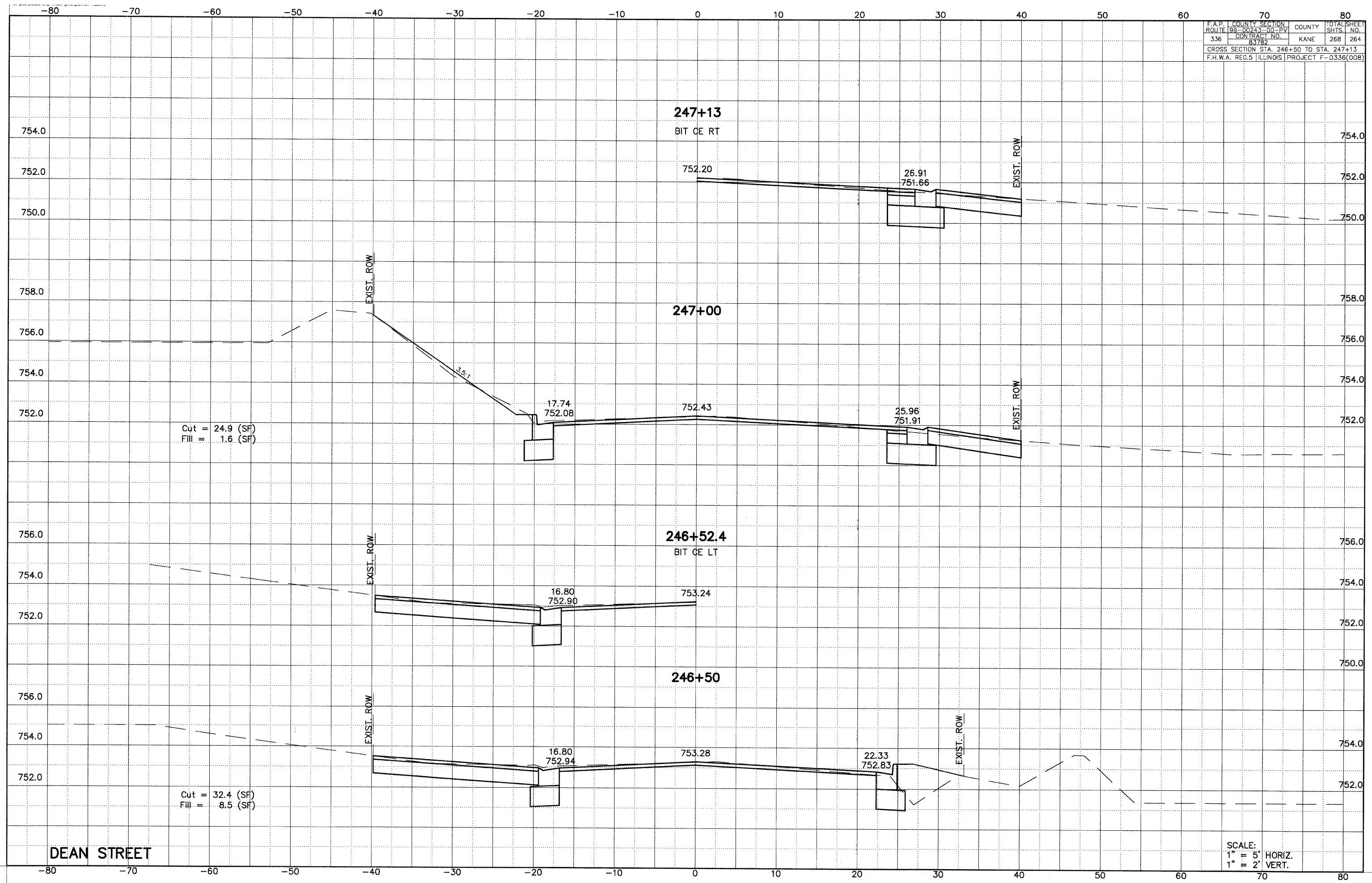
F.A.P. COUNTY SECTION	ROUTE 199-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	268 263
CROSS SECTION STA. 244+50 TO STA. 246+00			
F.H.W.A. REG. 5 ILLINOIS PROJECT F-0336(008)			



DEAN STREET

SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

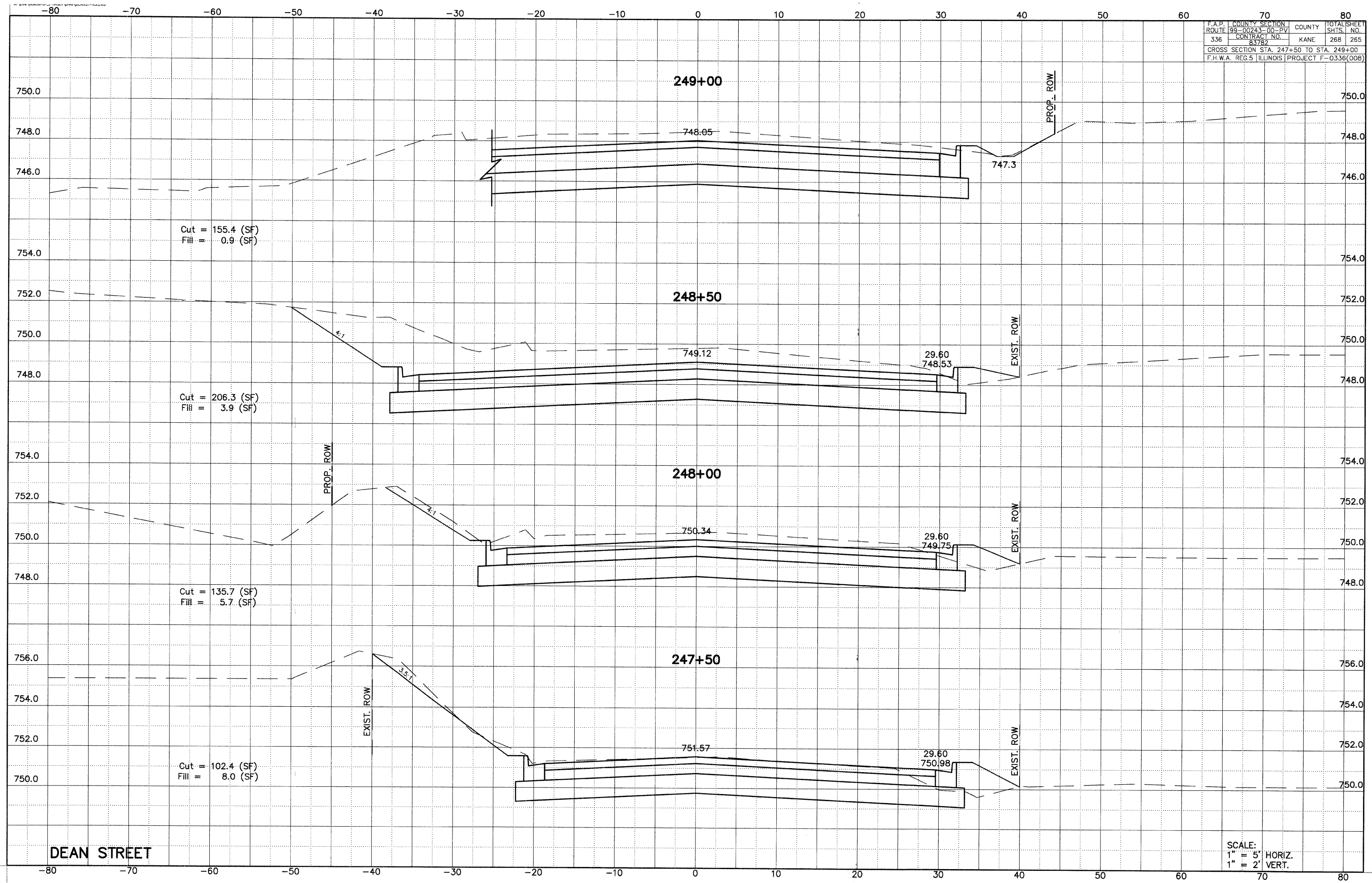
F.A.P. COUNTY SECTION	ROUTE 195-00243-00-PV	COUNTY	TOTAL SHEET
336	CONTRACT NO. 83782	KANE	268 264
CROSS SECTION STA. 246+50 TO STA. 247+13			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



DEAN STREET

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

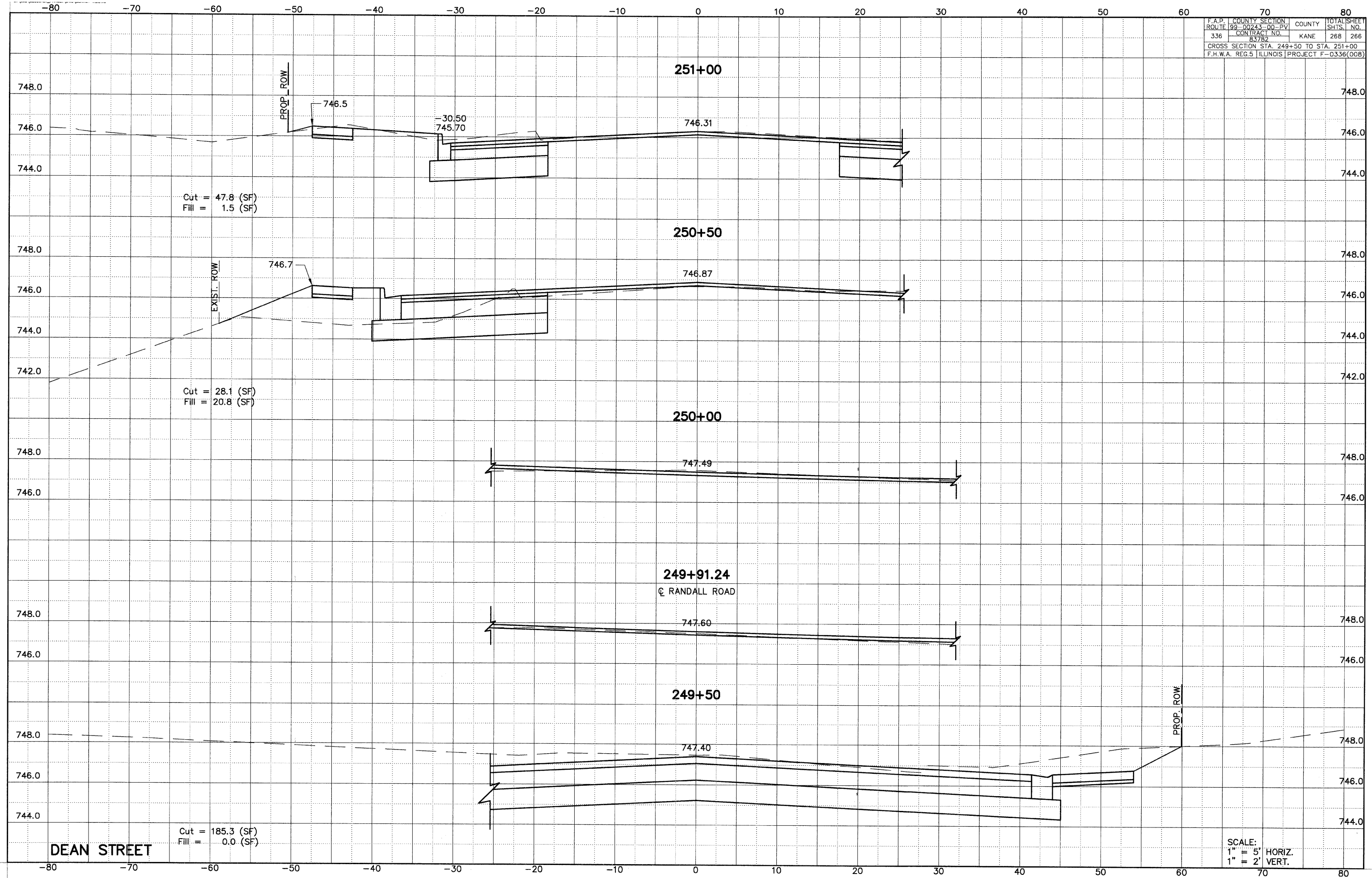
F.A.P. ROUTE	COUNTY SECTION	COUNTY	TOTAL SHEET
336	99-00243-00-PV	KANE	268
	CONTRACT NO.		265
	83782		
CROSS SECTION STA. 247+50 TO STA. 249+00			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



DEAN STREET

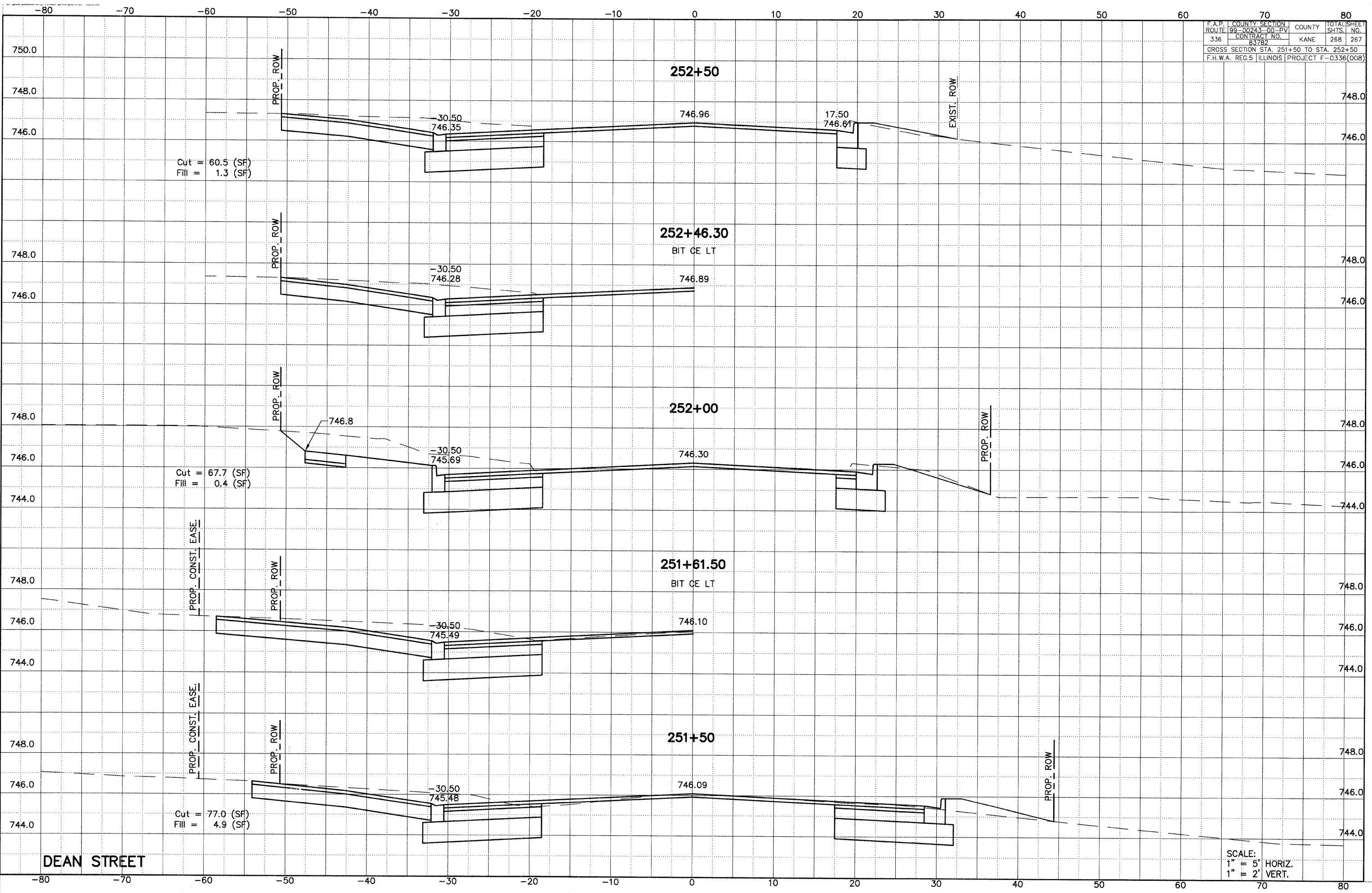
SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P.	COUNTY	SECTION	TOTAL SHEET
ROUTE 99-00243-00-PV	KANE		268
336	CONTRACT NO.	83782	266
CROSS SECTION STA. 249+50 TO STA. 251+00			
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)			



SCALE:
 1" = 5' HORIZ.
 1" = 2' VERT.

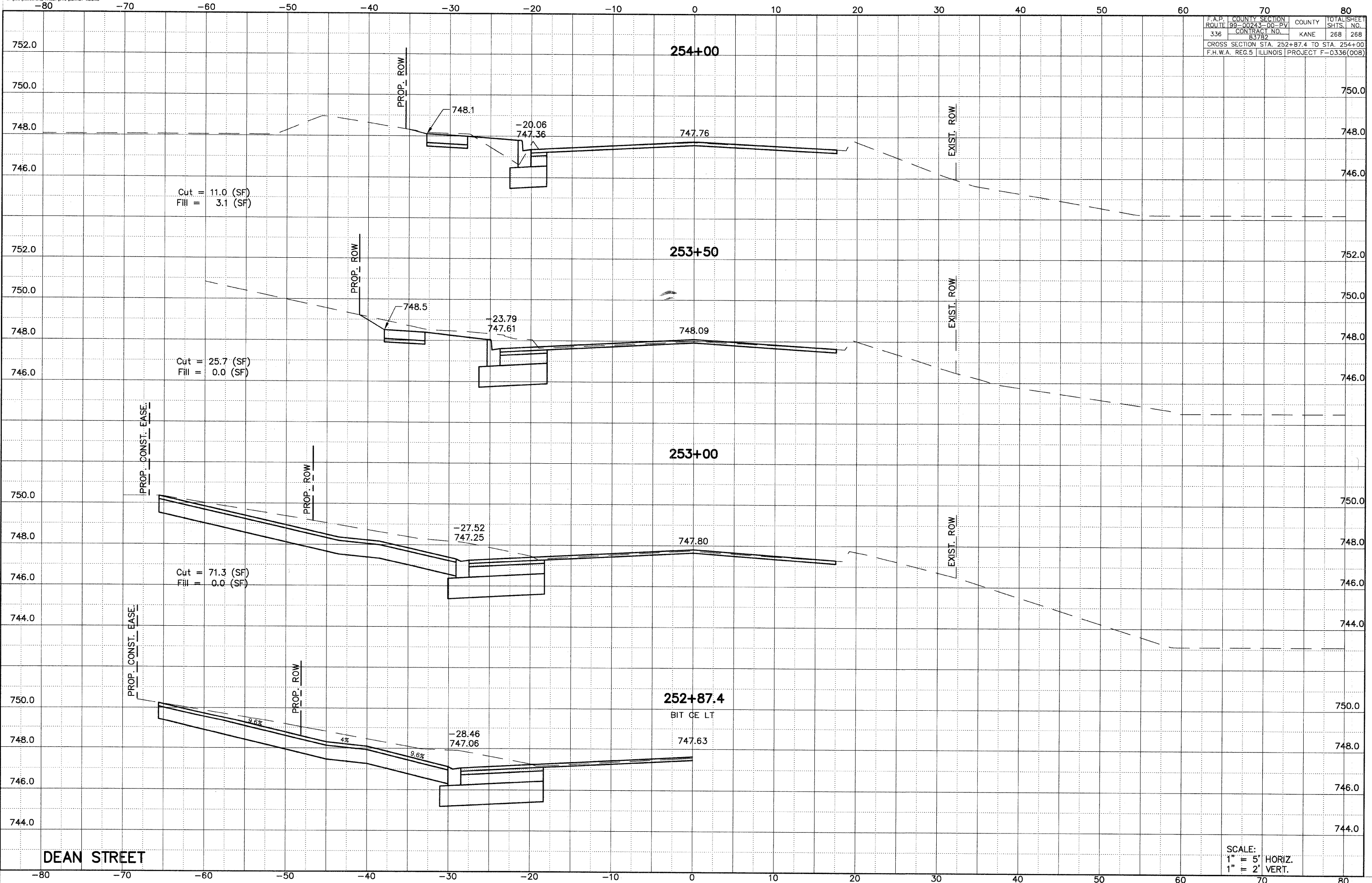
F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEETS
336	KANE	99-00243-00-PV	268	267
		CONTRACT NO.		
		83782		
CROSS SECTION STA. 251+50 TO STA. 252+50				
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)				



DEAN STREET

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.

F.A.P. ROUTE	COUNTY	SECTION	COUNTY	TOTAL SHEETS
336	KANE	99-00243-00-PV	268	268
		CONTRACT NO.		
		83782		
CROSS SECTION STA. 252+87.4 TO STA. 254+00				
F.H.W.A. REG.5 ILLINOIS PROJECT F-0336(008)				



DEAN STREET

SCALE:
1" = 5' HORIZ.
1" = 2' VERT.