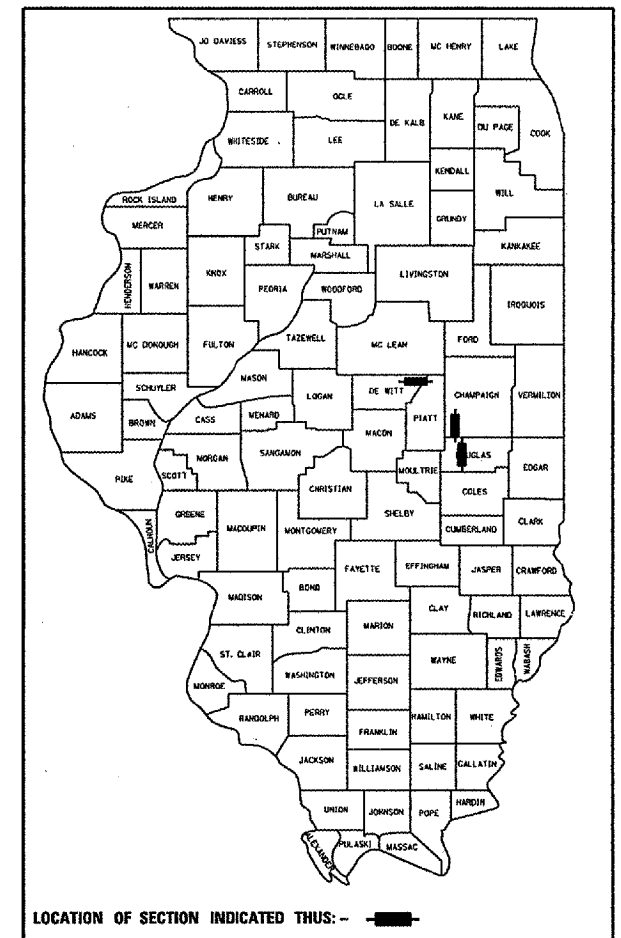


F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	1

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

D-95-061-06



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 57 & 74
SECTION D5 CABLE GUARD 2007-2
CHAMPAIGN, DEWITT & DOUGLAS COUNTIES
PROJECT HSIP-0008 (535)

C-95-062-06

CABLE GUARDRAIL

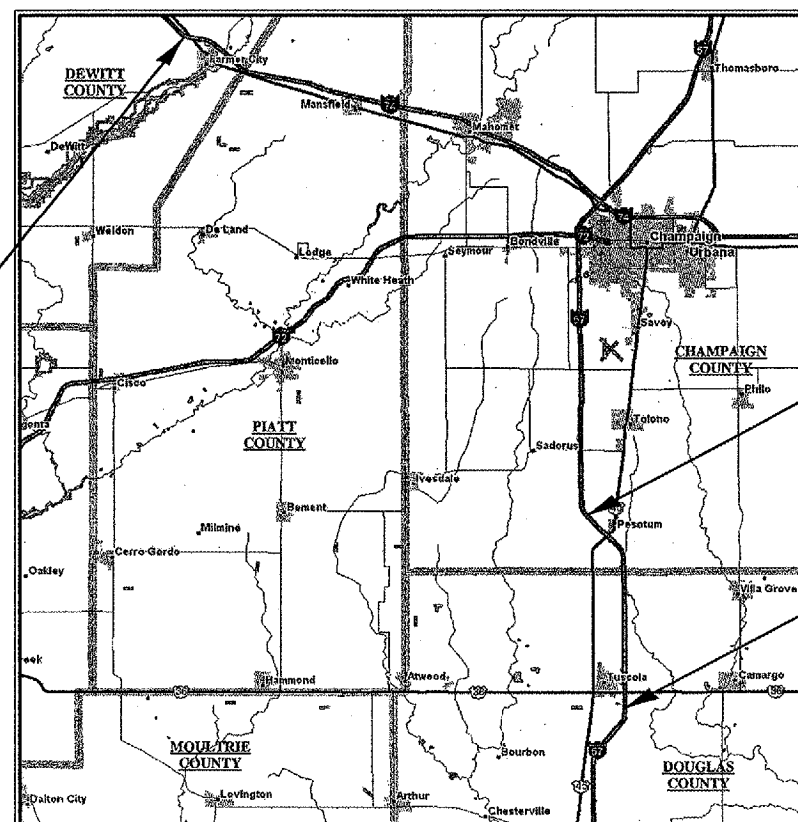
CURRENT ADT

FAI 57 19,300 (LOCATION #1 TUSCOLA)
FAI 57 27,500 (LOCATION #2 PESOTUM)
FAI 74 17,500 (LOCATION #3 FARMER CITY)

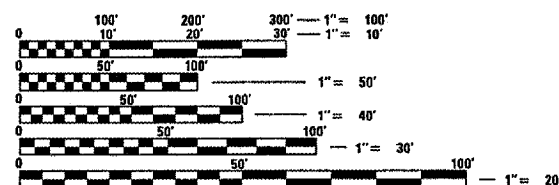
LOCATION 3
FAI-74 (I-74)
STATION
711+00 TO 746+00

LOCATION 2
FAI-57 (I-57)
STATION
174+00 TO 251+00

LOCATION 1
FAI-57 (I-57)
STATION
467+00 TO 504+00



SCALE
0 5 10 15 MILES



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

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

CONTRACT NO. 70547

TOTAL LENGTH OF PROJECT = 14900 FEET = 2.822 MILES
NET LENGTH OF PROJECT = 14540 FEET = 2.754 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 11/26 20 06
Joseph E. Crowe
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

February 2, 20 07
Eric E. Hahn
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 20 07
Milton R. Sees
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS/HIGHWAY STANDARDS
3	LOCATION MAP #1 (I-57 TUSCOLA)
4	LOCATION MAP #2 (I-57 PESOTUM)
5	LOCATION MAP #3 (I-74 FARMER CITY)
6	GENERAL NOTES
7-8	SUMMARY OF QUANTITIES
9-11	EXISTING /PROPOSED TYPICAL CROSS SECTIONS (LOCATION #1)
12-13	EXISTING /PROPOSED TYPICAL CROSS SECTIONS (LOCATION #2)
14-15	EXISTING /PROPOSED TYPICAL CROSS SECTIONS (LOCATION #3)
16-22	SCHEDULES OF QUANTITIES
23-25	PLAN SHEETS (LOCATION #1 TUSCOLA)
26-31	PLAN SHEETS (LOCATION #2 PESOTUM)
32-34	PLAN SHEETS (LOCATION #3 FARMER CITY)
35	SOIL BORINGS (LOCATION #1 TUSCOLA)
36-37	SOIL BORINGS (LOCATION #2 PESOTUM)
38-39	SOIL BORINGS (LOCATION #3 FARMER CITY)
40	DETAIL OF INLET BOX HEADWALL AND SIDEWALL MODIFICATION LT STA 194+85 (LOCATION #2 PESOTUM)
41	DETAIL OF COLLAR AND 4' X2' BOX CULVERT EXTENSION WITH PIPE CULVERTS LT STA 208+00 (LOCATION #2 PESOTUM)
42	DETAIL OF 8' X2' BOX CULVERT EXTENSION WITH CAST-IN-PLACE BOX CULVERT LT STA 225+00 (LOCATION #2 PESOTUM)
43-44	DETAIL OF REMOVE AND REINSTALL GRATING FOR CONCRETE HEADWALL LT STA 225+00 (LOCATION #2 PESOTUM)
45	DETAIL OF REMOVE AND RELOCATE INLETS RT STA 723+00 (LOCATION #3 FARMER CITY)
46	DETAIL OF WEED CONTROL MOWING STRIP (SP), WIDENED SECTION AT SPBCR LT STA 176+50 TO STA 178+10.5 (LOCATION #2 PESOTUM)
47-49	DETAIL OF TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL) LT STA 744+97 TO STA 745+52 (LOCATION #3 FARMER CITY)
50	DETAIL OF CONCRETE COLLARS
51	DETAIL OF SURVEY MARKER, TYPE 1 (SPECIAL)
52	DELINEATORS APPLICATIONS
53-81	CROSS SECTIONS (LOCATION #1 TUSCOLA)
82-131	CROSS SECTIONS (LOCATION #2 PESOTUM)
132-151	CROSS SECTIONS (LOCATION #3 FARMER CITY)

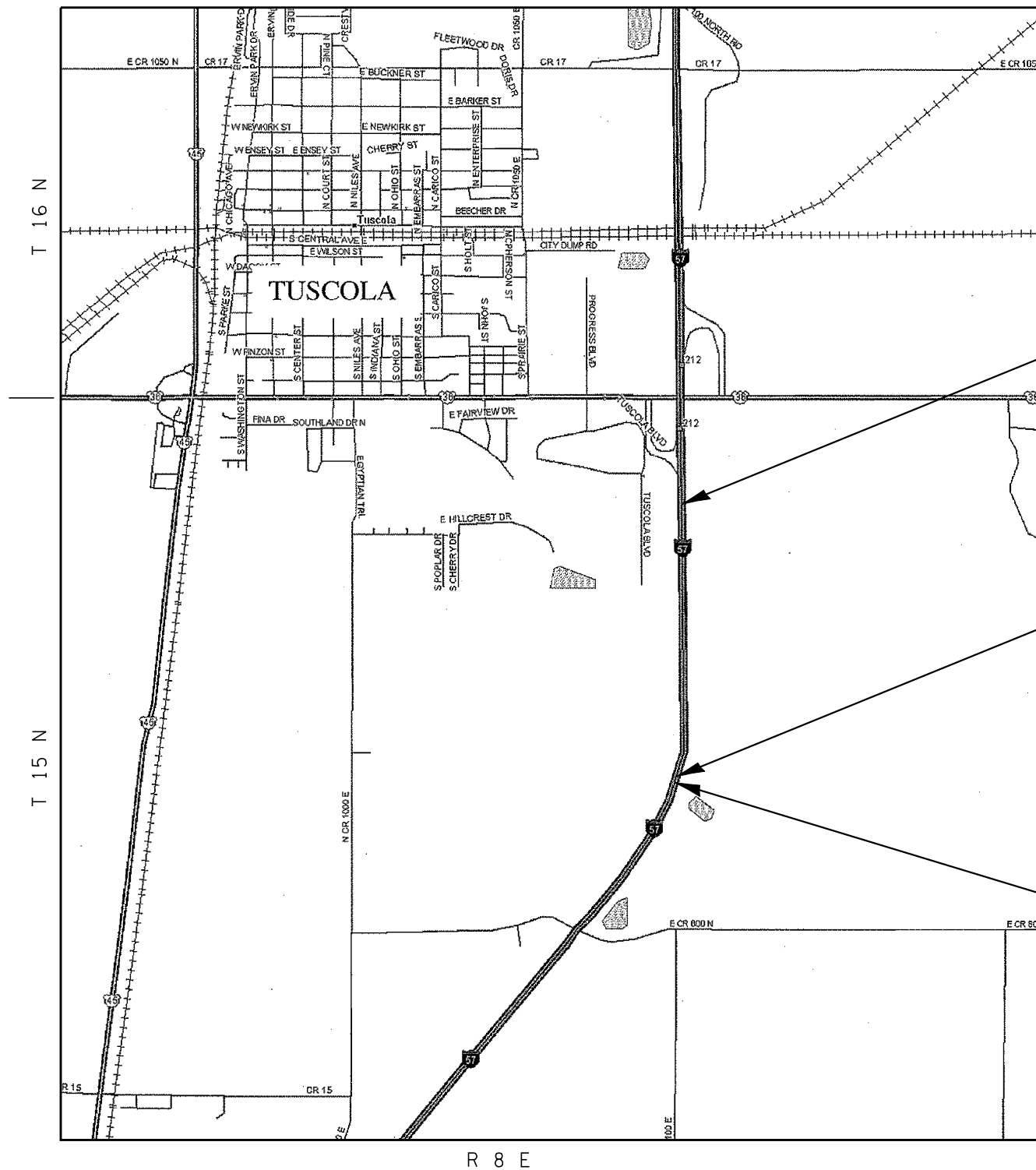
HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
202001	EARTH MEDIAN DITCH CHECK
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION (FOR 24" THRU 54" PIPE)
601001-01	SUB-SURFACE DRAINS
601101	CONCRETE HEADWALL FOR PIPE DRAIN
630001-07	STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-03	TRAFFIC BARRIER TERMINAL, TYPE 2
635001	DELINEATORS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701101-01	OFF-ROAD OPERATIONS, MULTILANE 15' TO 24" FROM PAVEMENT EDGE
701106-01	OFF-ROAD OPERATIONS, MULTILANE MORE THAN 4.5 m (15') AWAY
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-04	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	3

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

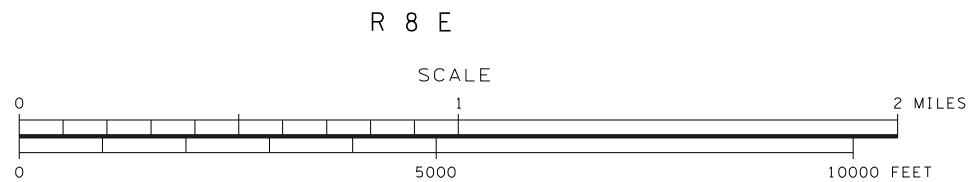
LOCATION 1 I-57 SOUTH OF TUSCOLA – DOUGLAS COUNTY



PROJECT
LIMITS
END STATION
504+00

PROJECT
LIMITS
BEGIN STATION
467+00

STRUCTURES
021-0007 & 021-0008
CARRYING I-57
OVER SCATTERING
FORK CREEK
STATION 464+00



TOTAL LENGTH OF SECTION = 3700 FEET = 0.700 MILES
NET LENGTH OF SECTION = 3625 FEET = 0.687 MILES

LOCATION 2
I-57 NORTH OF PESOTUM – CHAMPAIGN COUNTY

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	4
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

PROJECT
LIMITS
END STATION
251+00

PROJECT
LIMITS
BEGIN STATION
174+00

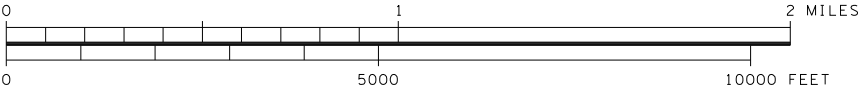
T 17 N

REST
AREA

PESOTUM

R 8 E

SCALE



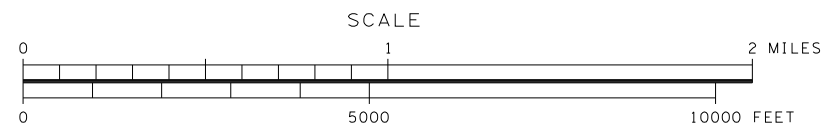
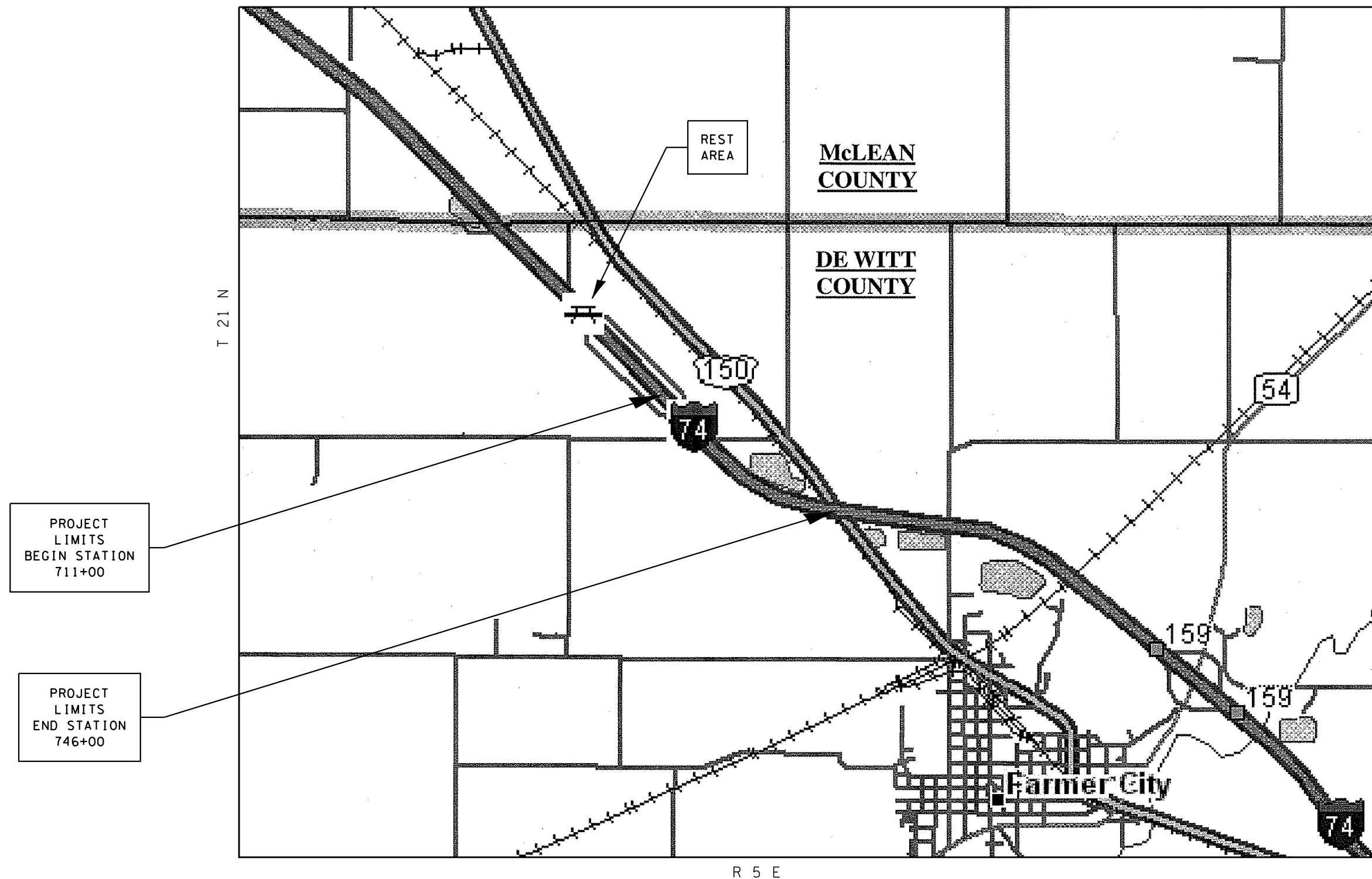
TOTAL LENGTH OF SECTION = 7700 FEET = 1.458 MILES
NET LENGTH OF SECTION = 7565 FEET = 1.433 MILES



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	5

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION 3
I-74 WEST OF FARMER CITY – DEWITT COUNTY



TOTAL LENGTH OF SECTION = 3500 FEET = 0.663 MILES
NET LENGTH OF SECTION = 3350 FEET = 0.634 MILES

GENERAL NOTES

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	6
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

G.N. -100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N. -105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N. -202
GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N. -250-SPL
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SHOULDERS, SIDE SLOPES AND DITCHES DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING AT THE TIME OF THEIR COMPLETION.

G.N. -406H

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location:	Weed Control Mowing Strip (Special)
Mixture Use:	Mow Strip
AC/PG:	PG 58-22
RAP %: (Max)	30
Design Air Voids:	3.0% @ Ndes=30
Mixture Composition: (Gradation Mixture)	1L 9.5L
Friction Aggregate:	Mix C

G.N. -542
BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N. -542.07
AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALLS WILL NOT BE ALLOWED.

G.N. -631
IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE MOUNTING METHOD OF THRU DRILLING THE MOUNTING HOLES FOR THE TRAFFIC BARRIER TERMINALS, TYPE 6, THE HOLES SHALL BE DRILLED USING A CORE DRILL. A HAMMER DRILL WILL NOT BE ALLOWED.

G.N. -667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO THE SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS AND TO DETERMINE IF IT WILL BE NECESSARY FOR THE CONTRACTOR TO HIRE AN ILLINOIS LAND SURVEYOR.

G.N. -1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G.N. -X030-SPL
REMOVE AND REINSTALL CONCRETE HEADWALLS FOR PIPE DRAINS IN ACCORDANCE WITH APPLICABLE PORTIONS OF SECTION 601 AND STANDARDS 601001 AND 601101. SEE TYPICAL CROSS SECTIONS FOR PROPOSED REINSTALLATION. SHOULD ANY EXISTING CONCRETE HEADWALLS BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPLACE THE CONCRETE HEADWALLS AT NO COST TO THE STATE.

G.N. -X032-SPL
MANUFACTURER'S SPECIFICATIONS FOR THE HTC MEDIAN BARRIER SHALL BE IN COMPLIANCE WITH LINES AND GRADES SHOWN ON THE PLANS. LINE POST FOUNDATIONS SHALL BE A MINIMUM DEPTH OF 36" AND SHALL BE IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS FOR THE SOIL STRENGTH BASED ON PLAN SOIL BORINGS. IN ADDITION, THE HTC MEDIAN BARRIER TERMINALS SHALL BE IN COMPLIANCE WITH MANUFACTURER'S SPECIFICATIONS FOR THE SOIL STRENGTH BASED ON PLAN SOIL BORINGS. POSTS SHALL BE PLACED ON CENTERS BASED ON MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE A DEFLECTION NOT GREATER THAN 9.2 FEET. REFLECTIVE CAPS SHALL BE PLACED ON THE POSTS AT THE SAME SPACING AS RAISED REFLECTIVE MARKERS ARE PLACED ON THE ADJACENT PAVEMENT. REFLECTIVE CAPS SHALL NOT BE MEASURED FOR PAYMENT AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR "HIGH TENSION CABLE MEDIAN BARRIER". ALL HTC HARDWARE ON THIS PROJECT SHALL MEET TEST LEVEL-4.

SUMMARY OF QUANTITIES

CONTRACT NO. 70547				
* D5 CABLE GUARD 2007-2	FAI-57	SECTION	COUNTY	TOTAL SHEETS
** CHAMPAIGN, DEWITT & DOUGLAS	57&74	*	**	151
				7

LOCATION OF WORK: FAI ROUTE 57 (I-57) AND FAI ROUTE 74 (I-74) SECTION D5 CABLE GUARD 2007-2 DOUGLAS, CHAMPAIGN, DEWITT COUNTIES				FAI-57 Douglas County Sta 467+00 to 504+00 Rural-Multilane 90% FED. 10% STATE SFTY-4A	FAI-57 Champaign County Sta 174+00 to 251+00 Rural-Multilane 90% FED. 10% STATE SFTY-4A	FAI-74 Dewitt County Sta 711+00 to 746+00 Rural-Multilane 90% FED. 10% STATE SFTY-4A
CONSTRUCTION TYPE CODE:						
CODE NO	ITEM	UNIT	TOTAL QUANTITY			
X0325677	WEED CONTROL MOWING STRIP (SPECIAL)	SQ YD	6,571.0	1,611.0	3,471.0	1,489.0
X0325676	REMOVE AND RE-ERECT EXISTING GRATING 8' X 2' BOX CULVERT	EACH	1.0	0.0	1.0	0.0
20200100	EARTH EXCAVATION	CU YD	2,859.0	442.0	2,245.0	172.0
20400800	FURNISHED EXCAVATION	CU YD	4,042.0	348.0	2,371.0	1,323.0
25000200	SEEDING, CLASS 2	ACRE	11.5	2.1	7.0	2.4
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,035.0	189.0	630.0	216.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,035.0	189.0	630.0	216.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,035.0	189.0	630.0	216.0
25100115	MULCH, METHOD 2	ACRE	11.5	2.1	7.0	2.4
25100630	EROSION CONTROL BLANKET	SQ YD	124.0	28.0	56.0	40.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,150.0	210.0	700.0	240.0
28000300	TEMPORARY DITCH CHECKS	EACH	27.0	0.0	18.0	9.0
28000400	PERIMETER EROSION BARRIER	FOOT	3,700.0	3,700.0	0.0	0.0
28000500	INLET AND PIPE PROTECTION	EACH	13.0	0.0	11.0	2.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	176.0	0.0	123.0	53.0
50104300	CONCRETE HEADWALL REMOVAL	CU YD	0.3	0.0	0.3	0.0
50800105	REINFORCEMENT BARS	POUND	1,680.0	0.0	1,680.0	0.0
54002020	EXPANSION BOLTS 3/4 INCH	EACH	42.0	0.0	42.0	0.0
54003000	CONCRETE BOX CULVERTS	CU YD	8.9	0.0	8.9	0.0
54206757	PIPE CULVERT TYPE 1, REINFORCED CONCRETE EQUIVALENT ROUND SECTION 42"	FOOT	9.0	0.0	9.0	0.0
54214317	END SECTION EQUIVALENT ROUND SECTION 42"	EACH	1.0	0.0	1.0	0.0
54248170	GRATE - CONCRETE FLARED END SECTION EQUIVALENT ROUND 42"	EACH	1.0	0.0	1.0	0.0
54248500	CONCRETE HEADWALLS	CU YD	0.6	0.0	0.6	0.0
54248510	CONCRETE COLLAR	CU YD	1.2	0.0	0.7	0.5
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	24.0	0.0	0.0	24.0
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	310.0	70.0	140.0	100.0
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	487.5	0.0	250.0	237.5

NON-PARTICIPATING

* SPECIALTY ITEMS

(CONTINUED NEXT SHEET)

SUMMARY OF QUANTITIES

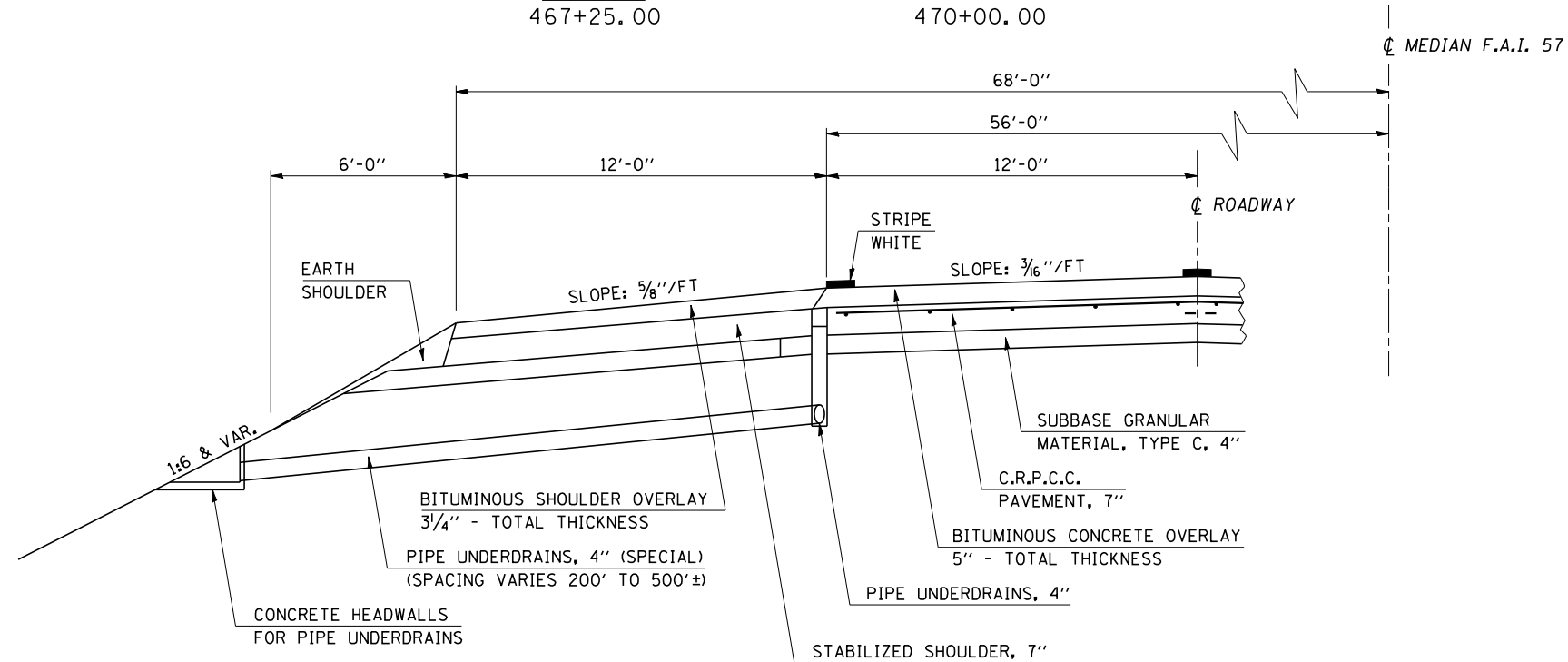
CONTRACT NO. 70547				
FAI-57	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	8
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

LOCATION OF WORK: FAI ROUTE 57 (I-57) AND FAI ROUTE 74 (I-74) SECTION D5 CABLE GUARD 2007-2 DOUGLAS, CHAMPAIGN, DEWITT COUNTIES				FAI-57 Douglas County Sta 467+00 to 504+00 Rural-Multilane 90% FED. 10% STATE SFTY-4A	FAI-57 Champaign County Sta 174+00 to 251+00 Rural-Multilane 90% FED. 10% STATE SFTY-4A	FAI-74 Dewitt County Sta 711+00 to 746+00 Rural-Multilane 90% FED. 10% STATE SFTY-4A
CONSTRUCTION TYPE CODE:						
CODE NO	ITEM	UNIT	TOTAL QUANTITY			
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	1.0	0.0	0.0	1.0
* 63100217	TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)	EACH	1.0	0.0	0.0	1.0
63200310	GUARDRAIL REMOVAL	FOOT	240.0	0.0	0.0	240.0
63400105	GUARD POSTS	EACH	61.0	0.0	48.0	13.0
63400205	GUARD POSTS REMOVAL	EACH	57.0	0.0	47.0	10.0
63500105	DELINEATORS	EACH	9.0	7.0	2.0	0.0
63500120	DELINEATOR REMOVAL	EACH	5.0	3.0	2.0	0.0
67100100	MOBILIZATION	L SUM	1.0	0.25	0.50	0.25
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1.0	0.15	0.60	0.25
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1.0	0.15	0.60	0.25
78200405	GUARDRAIL MARKERS	EACH	9.0	0.0	4.0	5.0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1.0	0.0	0.0	1.0
X0301894	REMOVE AND REINSTALL CONCRETE HEADWALL FOR PIPE UNDERDRAIN	EACH	31.0	7.0	14.0	10.0
X0325588	HIGH TENSION CABLE MEDIAN BARRIER DEMONSTRATION	L SUM	1.0	1.0	0.0	0.0
X0325589	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	14,025.0	3,525.0	7,350.0	3,150.0
X0325590	HIGH TENSION CABLE MEDIAN BARRIER TERMINAL	EACH	10.0	2.0	4.0	4.0
X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, TANGENT	EACH	1.0	0.0	1.0	0.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	21.0	7.0	7.0	7.0
XX004373	REMOVE AND RELOCATE INLETS	EACH	1.0	0.0	0.0	1.0
XZ193300	SURVEY MARKER, TYPE 1 (SPECIAL)	EACH	7.0	0.0	6.0	1.0

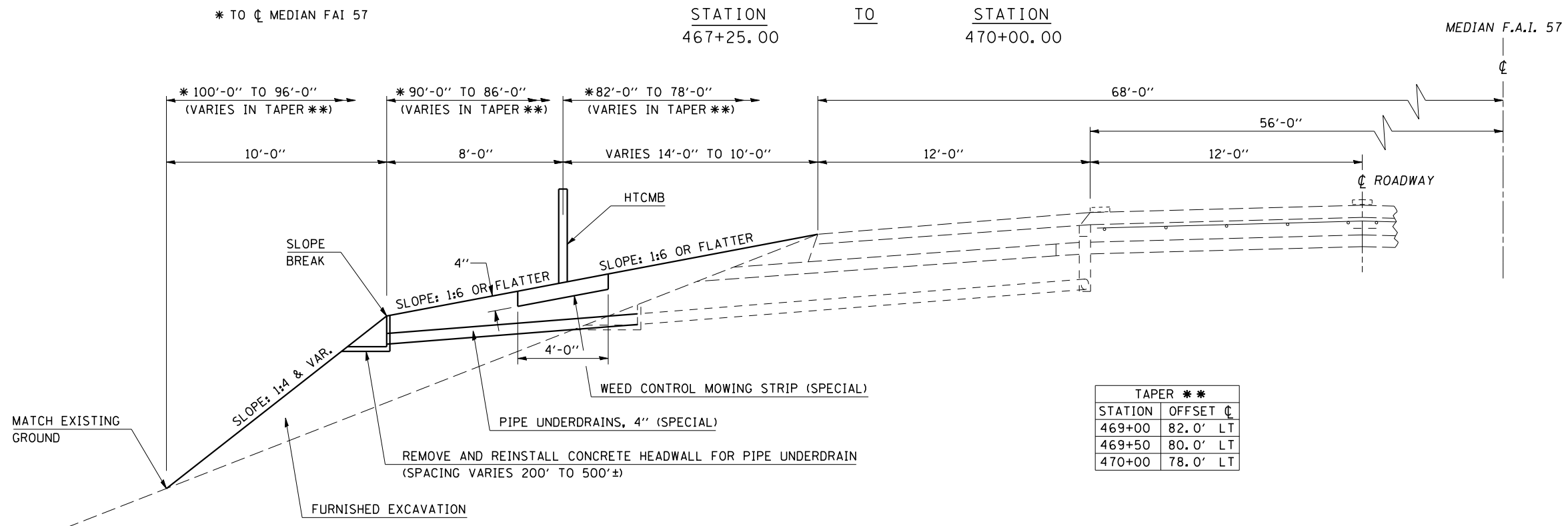
* SPECIALTY ITEMS

LOCATION #1
TUSCOLA

<u>STATION</u>	<u>TO</u>	<u>STATION</u>
467+25.00		470+00.00



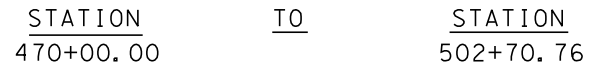
<u>STATION</u>	<u>TO</u>	<u>STATION</u>
467+25.00		470+00.00



TAPER **	
STATION	OFFSET (ft)
469+00	82.0' LT
469+50	80.0' LT
470+00	78.0' LT

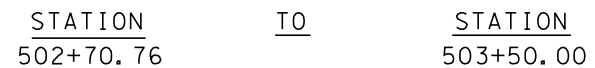
LOCATION #1
TUSCOLA

<u>STATION</u>	<u>TO</u>	<u>STATION</u>
470+00.00		502+70.76



LOCATION #1
TUSCOLA

<u>STATION</u>	<u>TO</u>	<u>STATION</u>
502+70.76		503+50.00



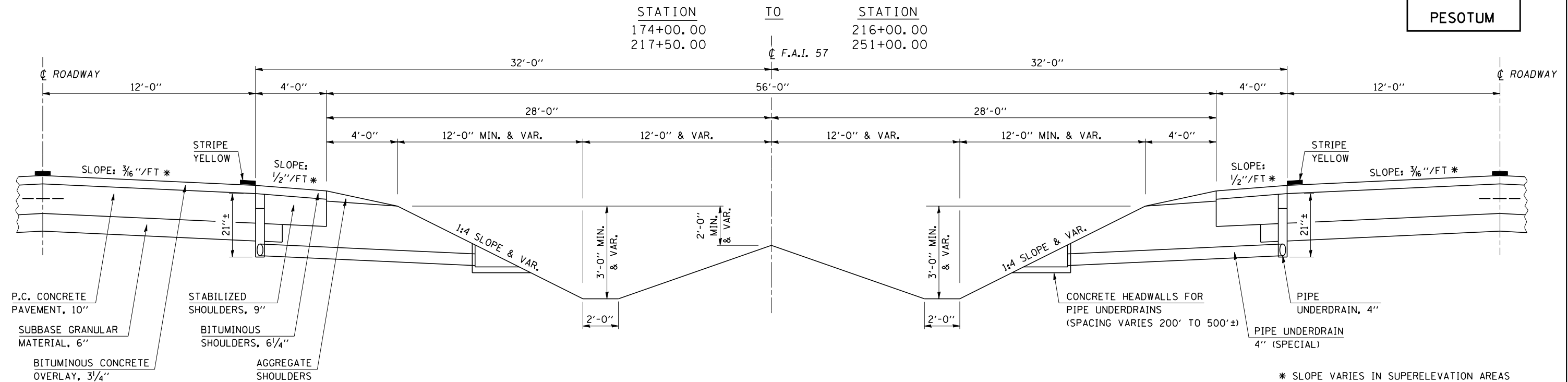
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	12

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION #2
PESOTUM

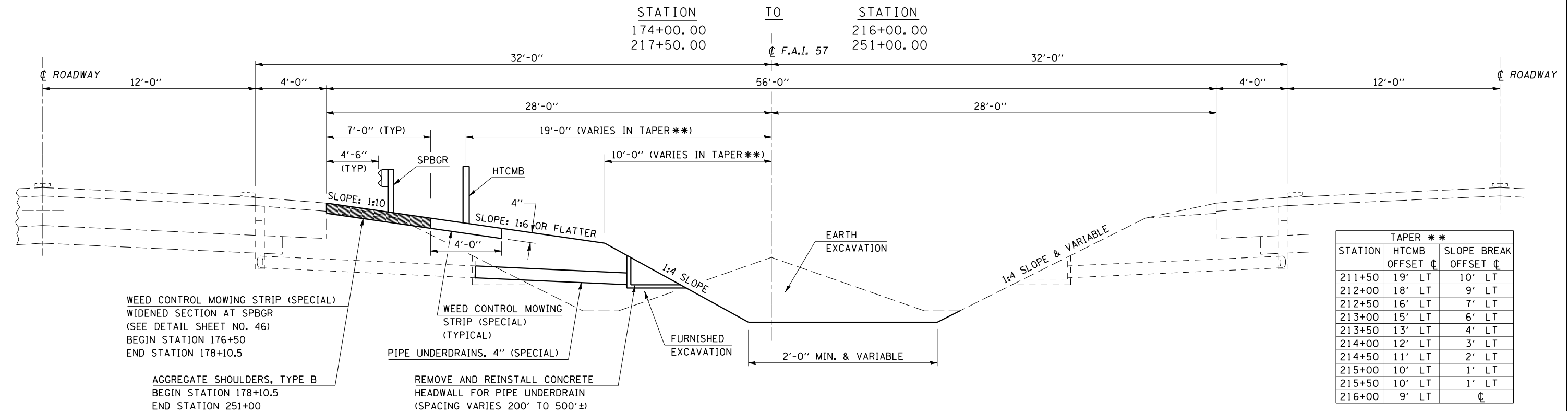
EXISTING TYPICAL CROSS SECTION

I-57 MEDIAN



PROPOSED TYPICAL CROSS SECTION

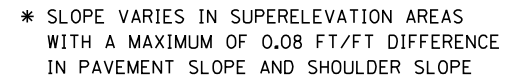
I-57 MEDIAN



LOCATION #2
PESOTUM

I-57 MEDIAN

¢ F.A.I. 57



I-57 MEDIAN

¢ F.A.I. 57

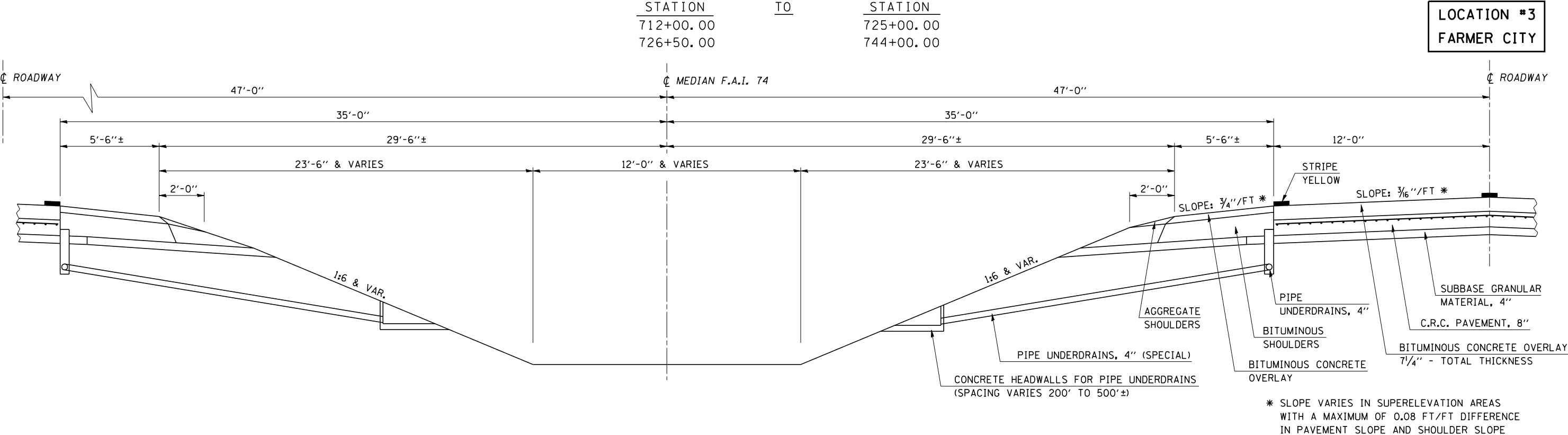


EXISTING TYPICAL CROSS SECTION

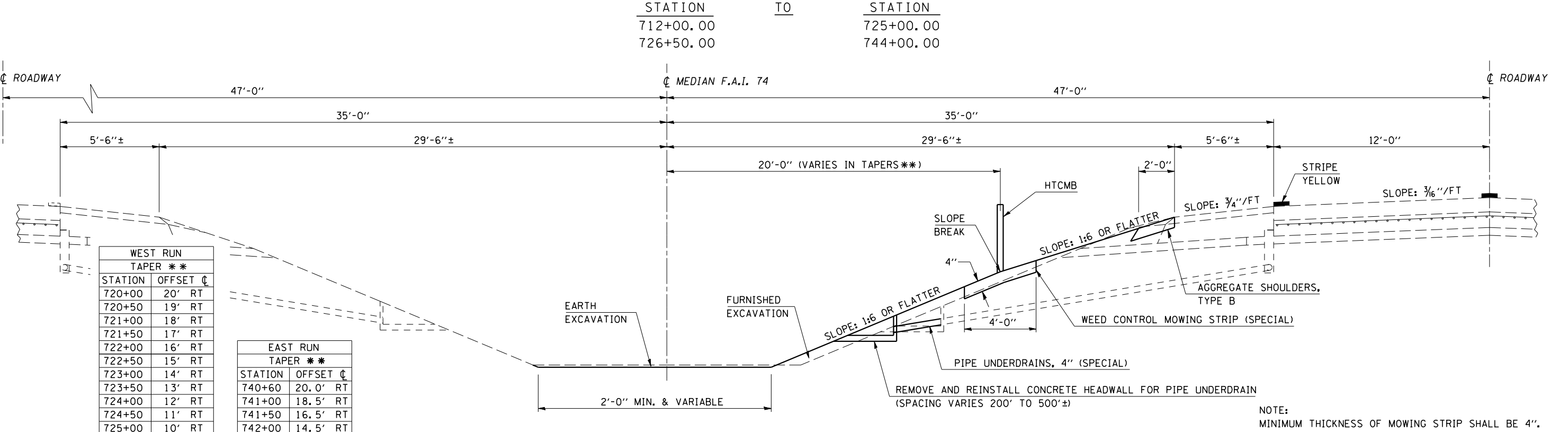
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	14

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION #3
FARMER CITY



PROPOSED TYPICAL CROSS SECTION



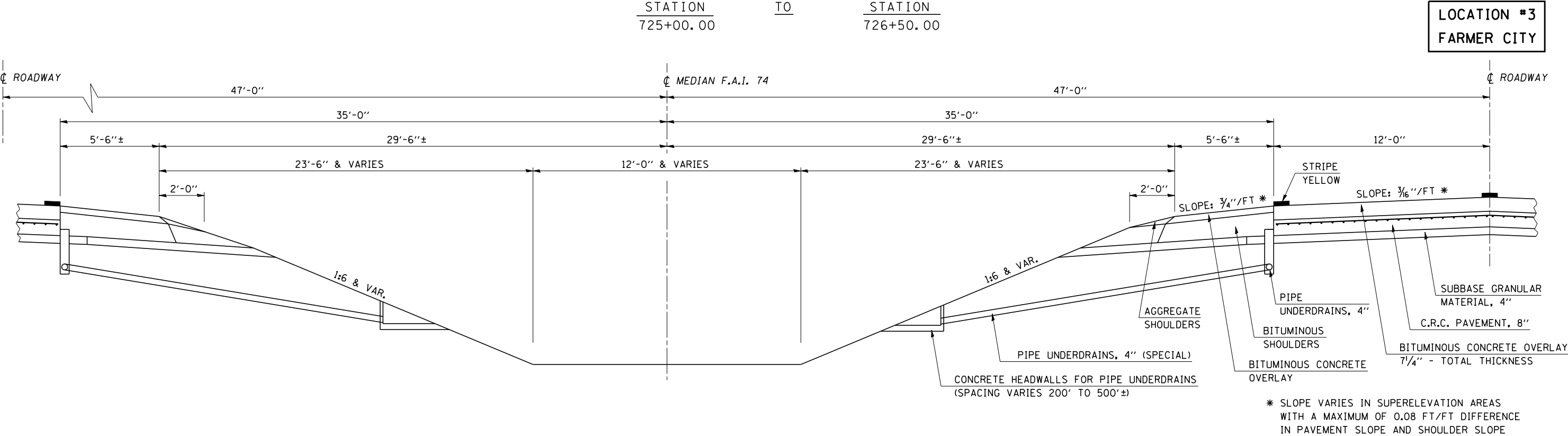
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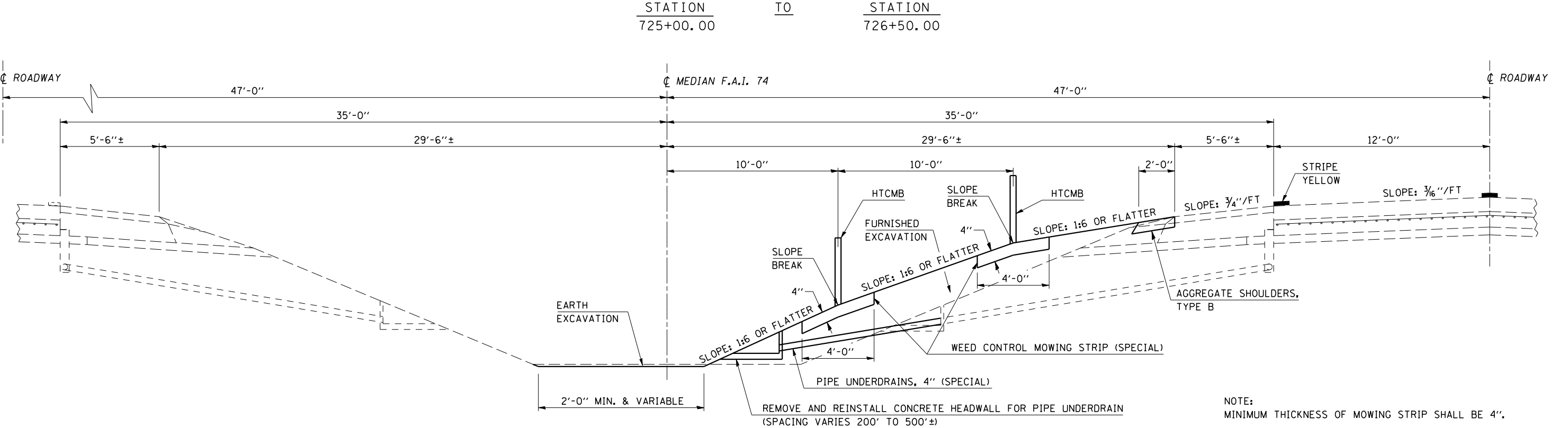
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	15

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION #3
FARMER CITY



PROPOSED TYPICAL CROSS SECTION



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USER NAME = phillips

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USER NAME = philiprj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	16

* D5 CABLE GUARD 2007-2
* * CHAMPAIGN, DEWITT & DOUGLAS

SCHEDULES OF QUANTITIES

EARTHWORK ANALYSIS

LOCATION	20200100 EARTH EXCAVATION (CU. YD.)	EARTH EX. SHRINK(25%) (CU. YD.)	EMBANKMENT (CU. YD.)	20400800 FURNISHED EXCAVATION (CU. YD.)
DOUGLAS COUNTY				
LOC #1 TUSCOLA (I-57 SBDL SHOULDER) LT. STA. 466+50 - 504+00	442.0	331.5	678.7	348.0
CHAMPAIGN COUNTY				
LOC #2 PESOTUM (I-57 SBPL MEDIAN) LT. STA. 173+50 - 251+00	2245.0	1684.0	4055.0	2371.0
DEWITT COUNTY				
LOC #3 FARMER CITY (I-74 EBPL MEDIAN) RT. STA. 711+50 - 744+50	172.0	129.0	1451.7	1323.0
TOTALS =	2859.0			4042.0

SEEDING SUMMARY

LOCATION	25000200 SEEDING CLASS 2 (ACRE)	25000400 NITROGEN (POUND)	25000500 PHOSPHORUS (POUND)	25000600 POTASSIUM (POUND)	25100115 MULCH METHOD 2 (ACRE)	28000250 TEMP. EROS. CTL SEEDING (POUND)
DOUGLAS COUNTY						
LOC #1 TUSCOLA (I-57 SBDL SHOULDER) LT. STA. 466+50 - 504+00	2.1	189.0	189.0	189.0	2.1	210.0
CHAMPAIGN COUNTY						
LOC #2 PESOTUM (I-57 SBPL MEDIAN) LT. STA. 173+50 - 251+00	7.0	630.0	630.0	630.0	7.0	700.0
DEWITT COUNTY						
LOC #3 FARMER CITY (I-74 EBPL MEDIAN) RT. STA. 711+50 - 744+50	2.4	216.0	216.0	216.0	2.4	240.0
TOTALS =	11.5	1035.0	1035.0	1035.0	11.5	1150.0

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SCHEDULES OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	17
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

25100630 EROSION CONTROL BLANKET

STATION (SQ. YD.)

DOUGLAS COUNTY

LOC #1 TUSCOLA (I-57 SBDL SHOULDER)

470+00	4.0
475+00	4.0
480+00	4.0
483+00	4.0
490+00	4.0
497+50	4.0
502+45	4.0

SUBTOTAL = 28.0

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

178+85	4.0
184+00	4.0
189+00	4.0
198+80	4.0
204+00	4.0
209+00	4.0
214+00	4.0
219+00	4.0
224+00	4.0
229+00	4.0
234+00	4.0
239+00	4.0
244+00	4.0
249+00	4.0

SUBTOTAL = 56.0

DEWITT COUNTY

LOC #3 FARMER CITY (I-74 EBPL MEDIAN)

712+00	4.0
717+00	4.0
722+75	4.0
725+50	4.0
728+00	4.0
730+50	4.0
733+00	4.0
736+00	4.0
739+00	4.0
741+50	4.0

SUBTOTAL = 40.0

TOTALS = 124.0

28000300 TEMPORARY DITCH CHECKS

STATION (EACH)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

174+00	1.0
176+00	1.0
179+00	1.0
182+00	1.0
185+00	1.0
190+00	1.0
201+00	1.0
204+00	1.0
214+00	1.0
217+00	1.0
220+00	1.0
223+00	1.0
227+00	1.0
230+00	1.0
238+00	1.0
241+00	1.0
244+00	1.0
247+00	1.0

SUBTOTAL = 18.0

DEWITT COUNTY

LOC #3 FARMER CITY (I-74 EBPL MEDIAN)

715+00	1.0
718+00	1.0
721+00	1.0
726+00	1.0
728+00	1.0
731+00	1.0
736+00	1.0
739+00	1.0
742+00	1.0

SUBTOTAL = 9.0

TOTALS = 27.0

28000400 PERIMETER EROSION BARRIER

STATION (FOOT)

DOUGLAS COUNTY

LOC #1 TUSCOLA (I-57 SBDL SHOULDER)

466+50 - 504+00	3700.0
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TOTALS = 3700.0

28000500 INLET & PIPE PROTECTION

STATION (EACH)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

188+00	1.0
194+85	2.0
204+96	1.0
208+00	2.0
225+00	2.0
233+00	2.0
250+82	1.0

SUBTOTAL = 11.0

DEWITT COUNTY

LOC #3 FARMER CITY (I-74 EBPL MEDIAN)

723+00	1.0
734+00	1.0

SUBTOTAL = 2.0

TOTALS = 13.0

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	18

* D5 CABLE GUARD 2007-2
* * CHAMPAIGN, DEWITT & DOUGLAS

SCHEDULES OF QUANTITIES

*5000792 WEED CONTROL MOWING STRIP (SPECIAL)

LOCATION (SQ. YD.)

DOUGLAS COUNTY

LOC #1 TUSCOLA (I-57 SBDL SHOULDER)

LT. STA 467+25 - 503+50 1611.0

SUBTOTAL = 1611.0

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

LT. STA 176+50 - 178+10.5 SPBGR WIDEN 116.0

LT. STA 176+50 - 217+50 SOUTH RUN 1822.0

LT. STA 216+00 - 250+50 NORTH RUN 1533.0

SUBTOTAL = 3471.0

DEWITT COUNTY

LOC #3 FARMER CITY (I-74 EBPL MEDIAN)

RT. STA 712+00 - 726+50 WEST RUN 644.0

RT. STA 725+00 - 744+00 EAST RUN 845.0

SUBTOTAL = 1489.0

TOTALS = 6571.0

48101200 AGGREGATE SHOULDERS, TYPE B

LOCATION (TON)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

LT. STA 173+50 - 251+00 123.0

DEWITT COUNTY

LOC #3 FARMER CITY (I-74 EBPL MEDIAN)

RT. STA 711+50 - 744+50 53.0

TOTALS = 176.0

50800105 REINFORCEMENT BARS

STATION (POUND)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

194+85 16.5

208+00 41.6

225+00 1620.0

TOTALS = 1678.1

USE = 1680.0

54002020 EXPANSION BOLTS

STATION (EACH)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

194+85 16.0

208+00 10.0

225+00 16.0

TOTALS = 42.0

54206757 PIPE CULVERT TYPE 1, REINFORCED CONCRETE
EQUIVALENT ROUND SECTION 42"

STATION (FOOT)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

208+00 8.5

TOTALS = 8.5

USE = 9.0

54214317 END SECTION EQUIVALENT ROUND SECTION 42"

STATION (EACH)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

208+00 1.0

TOTALS = 1.0

54248170 GRATE - CONCRETE FLARED END SECTION
EQUIVALENT ROUND 42"

STATION (EACH)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

208+00 1.0

TOTALS = 1.0

54248500 CONCRETE HEADWALLS

STATION (CU. YD.)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

194+85 0.6

TOTALS = 0.6

50104300 CONCRETE HEADWALL REMOVAL

STATION (CU YD)

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

208+00 0.3

TOTALS = 0.3

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SCHEDULES OF QUANTITIES

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	19
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

54248510 CONCRETE COLLAR

STATION	(CU. YD.)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
208+00	0.7
SUBTOTAL =	0.7
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
723+00	0.5
SUBTOTAL =	0.5
TOTALS =	1.2

542A0229 PIPE CULVERTS, CLASS A, TYPE 1 24"

STATION	(FOOT)
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
723+00	24.0
TOTALS =	24.0

60108100 PIPE UNDERDRAINS 4" (SPECIAL)

STATION	(FOOT)
DOUGLAS COUNTY	
LOC #1 TUSCOLA (I-57 SBDL SHOULDER)	
470+00	10.0
475+00	10.0
480+00	10.0
483+90	10.0
490+00	10.0
497+50	10.0
502+45	10.0
SUBTOTAL =	70.0
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	

178+85	10.0
184+00	10.0
189+00	10.0
198+80	10.0
204+00	10.0
209+00	10.0
214+00	10.0
219+00	10.0
224+00	10.0
229+00	10.0
234+00	10.0
239+00	10.0
244+00	10.0
249+00	10.0
SUBTOTAL =	140.0

DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
712+00	10.0
717+00	10.0
722+75	10.0
725+50	10.0
728+00	10.0
730+50	10.0
733+00	10.0
736+00	10.0
739+00	10.0
741+50	10.0
SUBTOTAL =	100.0
TOTALS =	310.0

X0301894 REMOVE AND REINSTALL CONCRETE HEADWALL FOR PIPE UNDERDRAIN

STATION	(EACH)
DOUGLAS COUNTY	
LOC #1 TUSCOLA (I-57 SBDL SHOULDER)	
470+00	1.0
475+00	1.0
480+00	1.0
483+90	1.0
490+00	1.0
497+50	1.0
502+45	1.0
SUBTOTAL =	7.0
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	

178+85	1.0
184+00	1.0
189+00	1.0
198+80	1.0
204+00	1.0
209+00	1.0
214+00	1.0
219+00	1.0
224+00	1.0
229+00	1.0
234+00	1.0
239+00	1.0
244+00	1.0
249+00	1.0
SUBTOTAL =	14.0

DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
712+00	1.0
717+00	1.0
722+75	1.0
725+50	1.0
728+00	1.0
730+50	1.0
733+00	1.0
736+00	1.0
739+00	1.0
741+50	1.0
SUBTOTAL =	10.0
TOTALS =	31.0

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78200405 GUARDRAIL MARKERS

LOCATION	(EACH)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
LT. STA 174+85.53 - 177+82.50	4.0
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
RT. STA 742+09.00 - 745+52.00	5.0
TOTALS =	9.0

78201000 TERMINAL MARKER - DIRECT APPLIED

LOCATION	(EACH)
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
RT. STA 742+09.50	1.0
TOTALS =	1.0

63500105 DELINEATORS

LOCATION	(EACH)
DOUGLAS COUNTY	
LOC #1 TUSCOLA (I-57 SBDL SHOULDER)	
LT. STA 470+00 - 477+82	7.0
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
LT. STA 208+00	1.0
LT. STA 225+00	1.0
TOTALS =	9.0

SCHEDULES OF QUANTITIES

63500105 DELINEATOR REMOVAL

LOCATION	(EACH)
DOUGLAS COUNTY	
LOC #1 TUSCOLA (I-57 SBDL SHOULDER)	
LT. STA 470+00 - 477+82	3.0
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
LT. STA 208+00	1.0
LT. STA 225+00	1.0
TOTALS =	5.0

XZ193300 SURVEY MARKER, TYPE 1 (SPECIAL)

STATION	(EACH)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
185+30.81	1.0
208+00	1.0
215+00	1.0
230+69.89	1.0
240+00	1.0
250+00	1.0
SUBTOTAL =	6.0
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
743+11.87	1.0
SUBTOTAL =	1.0
TOTALS =	7.0

63400105 GUARD POSTS

STATION	(EACH)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
188+00	6.0
192+50	6.0
198+00	6.0
205+00	6.0
211+00	6.0
232+00	6.0
235+00	6.0
251+00	6.0
SUBTOTAL =	48.0
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
711+08	7.0
733+50	6.0
SUBTOTAL =	13.0
TOTALS =	61.0

63400205 GUARD POSTS REMOVAL

STATION	(EACH)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
188+00	6.0
192+50	5.0
198+00	6.0
205+00	6.0
211+00	6.0
232+00	6.0
235+00	6.0
251+00	6.0
SUBTOTAL =	47.0
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
711+08	7.0
733+50	3.0
SUBTOTAL =	10.0
TOTALS =	57.0

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	20
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	21

* D5 CABLE GUARD 2007-2
* * CHAMPAIGN, DEWITT & DOUGLAS

SCHEDULES OF QUANTITIES

X0325590 HIGH TENSION CABLE MEDIAN BARRIER TERMINALS

LOCATION (EACH)

DOUGLAS COUNTY

LOC #1 TUSCOLA (I-57 SBDL SHOULDER)

LT. STA 467+25 - 467+75 1.0
LT. STA 503+00 - 503+50 1.0

SUBTOTAL = 2.0

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

LT. STA 176+50 - 177+00 1.0
LT. STA 217+00 - 217+50 1.0
LT. STA 216+00 - 216+50 1.0
LT. STA 250+00 - 250+50 1.0

SUBTOTAL = 4.0

DEWITT COUNTY

LOC #3 FARMER CITY (I-74 EBPL MEDIAN)

RT. STA 712+00 - 712+50 1.0
RT. STA 726+00 - 726+50 1.0
RT. STA 725+00 - 725+50 1.0
RT. STA 743+50 - 744+00 1.0

SUBTOTAL = 4.0

TOTALS = 10.0

X0325589 HIGH TENSION CABLE MEDIAN BARRIER

LOCATION (FOOT)

DOUGLAS COUNTY

LOC #1 TUSCOLA (I-57 SBDL SHOULDER)

LT. STA 467+75 - 503+00 3525.0

SUBTOTAL = 3525.0

CHAMPAIGN COUNTY

LOC #2 PESOTUM (I-57 SBPL MEDIAN)

LT. STA 177+00 - 217+00 SOUTH RUN 4000.0
LT. STA 216+50 - 250+00 NORTH RUN 3350.0

SUBTOTAL = 7350.0

DEWITT COUNTY

LOC #2 FARMER CITY (I-74 EBPL MEDIAN)

RT. STA 712+50 - 726+00 WEST RUN 1350.0
RT. STA 725+50 - 743+50 EAST RUN 1800.0

SUBTOTAL = 3150.0

TOTALS = 14025.0

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SCHEDULES OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	22
* D5 CABLE GUARD 2007-2 ** CHAMPAIGN, DEWITT & DOUGLAS				

#5000815 REMOVE AND RE-ERECT EXISTING GRATING
8' X 2' BOX CULVERT

STATION	(EACH)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
225+00	1.0
TOTALS =	1.0

54003000 CONCRETE BOX CULVERTS

STATION	(CU. YD.)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
225+00	8.9
TOTALS =	8.9

XX004373 REMOVE AND RELOCATE INLETS

STATION	(EACH)
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
723+00	1.0
TOTALS =	1.0

63000000 STEEL PLATE BEAM GUARD RAIL, TYPE A

LOCATION	(FOOT)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
LT. STA 174+85.53 - 177+32.50	250.0
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
RT. STA 742+59.50 - 744+97.00	237.5
TOTALS =	487.5

63100167 TRAFFIC BARRIER TERMINAL
TYPE 1 SPECIAL (TANGENT)

LOCATION	(EACH)
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
RT. STA 742+09.50 - 742+59.50	1.0
TOTALS =	1.0

63100167 TRAFFIC BARRIER TERMINAL
TYPE 6B (SPECIAL)

LOCATION	(EACH)
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
RT. STA 744+97.00 - 745+52.00	1.0
TOTALS =	1.0

63200310 GUARDRAIL REMOVAL

LOCATION	(FOOT)
DEWITT COUNTY	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
RT. STA 743+10.14 - 745+47.08	240.0
TOTALS =	240.0

X6330103 REMOVE AND RE-ERECT TRAFFIC BARRIER
TERMINAL TYPE 1 SPECIAL, TANGENT

LOCATION	(EACH)
CHAMPAIGN COUNTY	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
LT. STA 174+85.53 - 175+35.33	1.0
TOTALS =	1.0

PLAN	SURVEYED	BY	DATE
	NOTED		
NOTE BOOK	FILED	BY	DATE
	FILED		
NO. _____			

PROFILE	SURVEYED	BY	DATE
	NOTED		
NOTE BOOK	FILED	BY	DATE
	FILED		
NO. _____			

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USER NAME = philipj

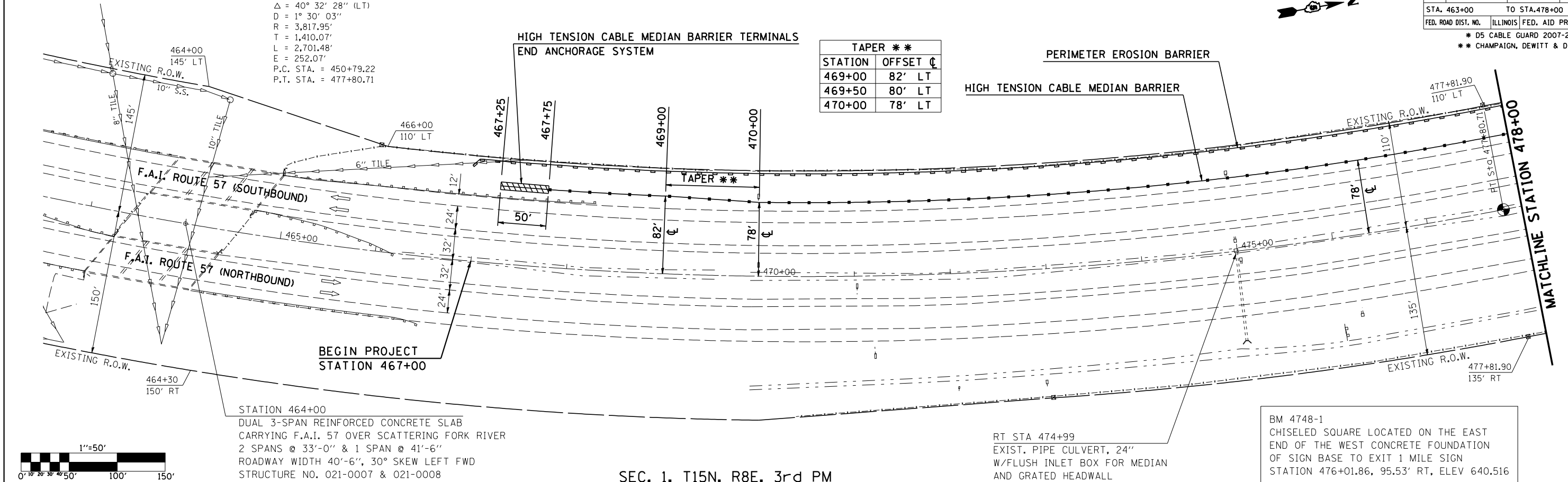
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PI STA. = 464+89.29
 $\Delta = 40^\circ 32' 28''$ (LT)
D = $1^\circ 30' 03''$
R = 3,817.95'
T = 1,410.07'
L = 2,701.48'
E = 252.07'
P.C. STA. = 450+79.22
P.T. STA. = 477+80.71

SEC. 2, T15N, R8E, 3rd PM

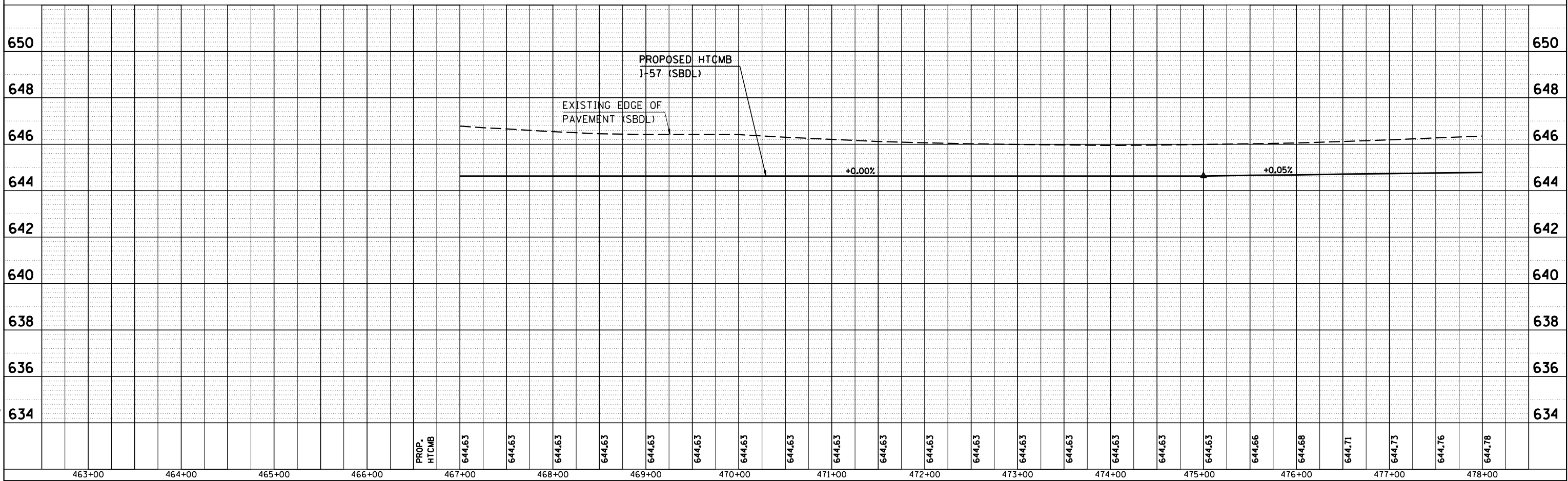
TAPER **	
STATION	OFFSET
469+00	82' LT
469+50	80' LT
470+00	78' LT

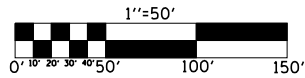
PERIMETER EROSION BARRIER
HIGH TENSION CABLE MEDIAN BARRIER

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	23
STA. 463+00		TO STA.478+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



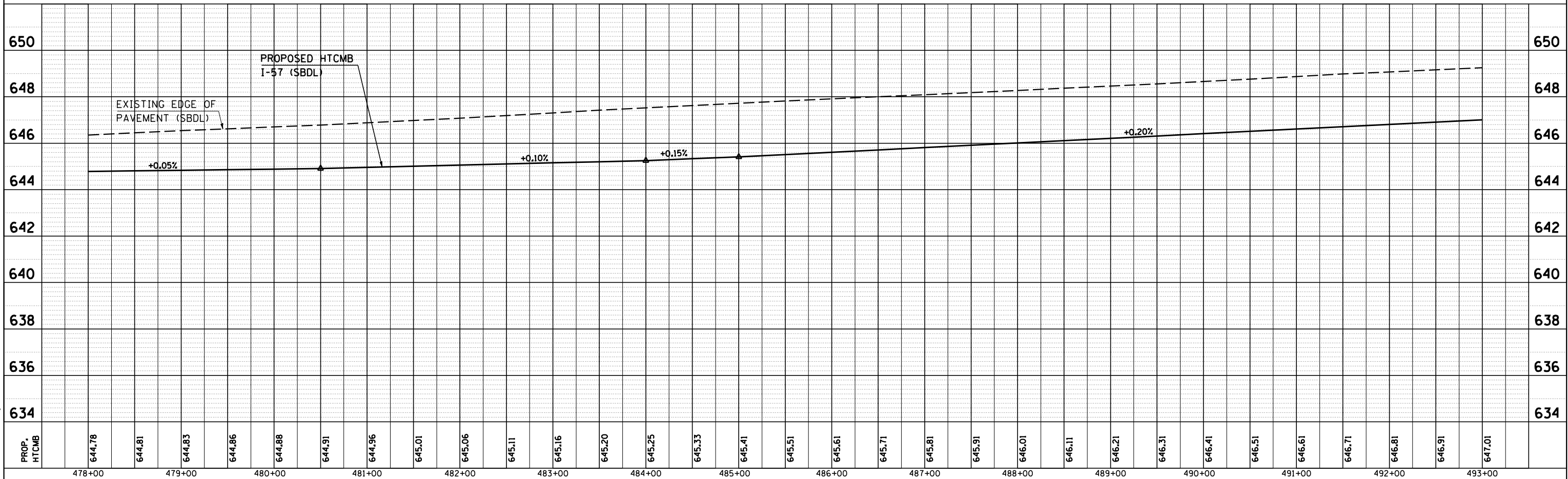
SEC. 1, T15N, R8E, 3rd PM





BM 4748-2
CHISELED SQUARE LOCATED ON THE NE CORNER OF
THE CONCRETE AROUND DROP BOX IN THE MEDIAN
STATION 491+01.00, 1.44' RT, ELEV 644.940

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



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USER NAME = phillipsjr
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	PLOTTED		
	CHECKED		
	NOTED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	NOTED		
	NO.		

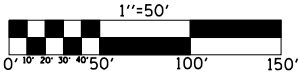
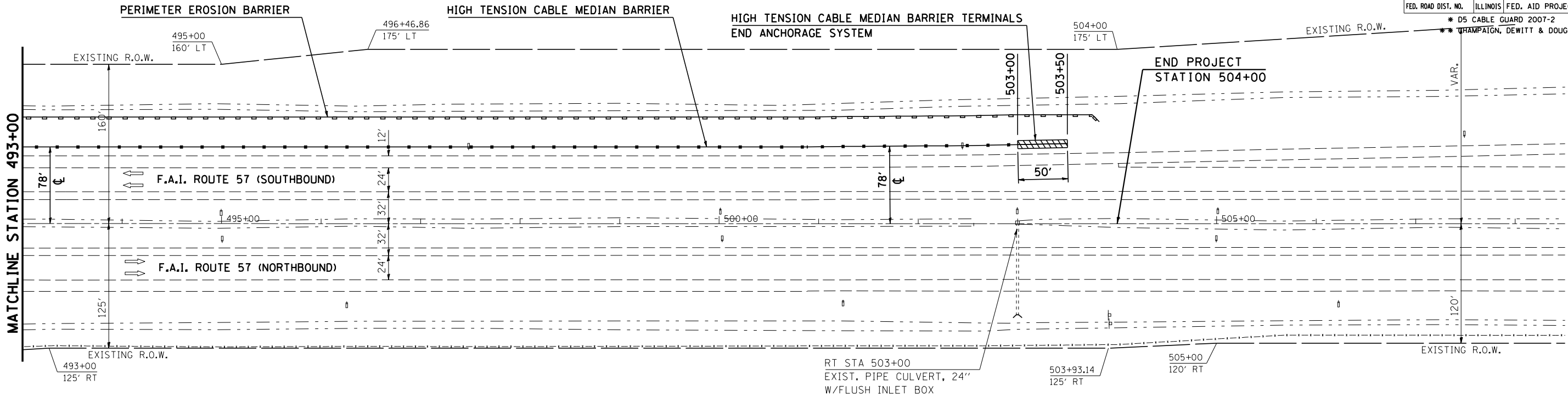
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CONTRACT NO. 70547

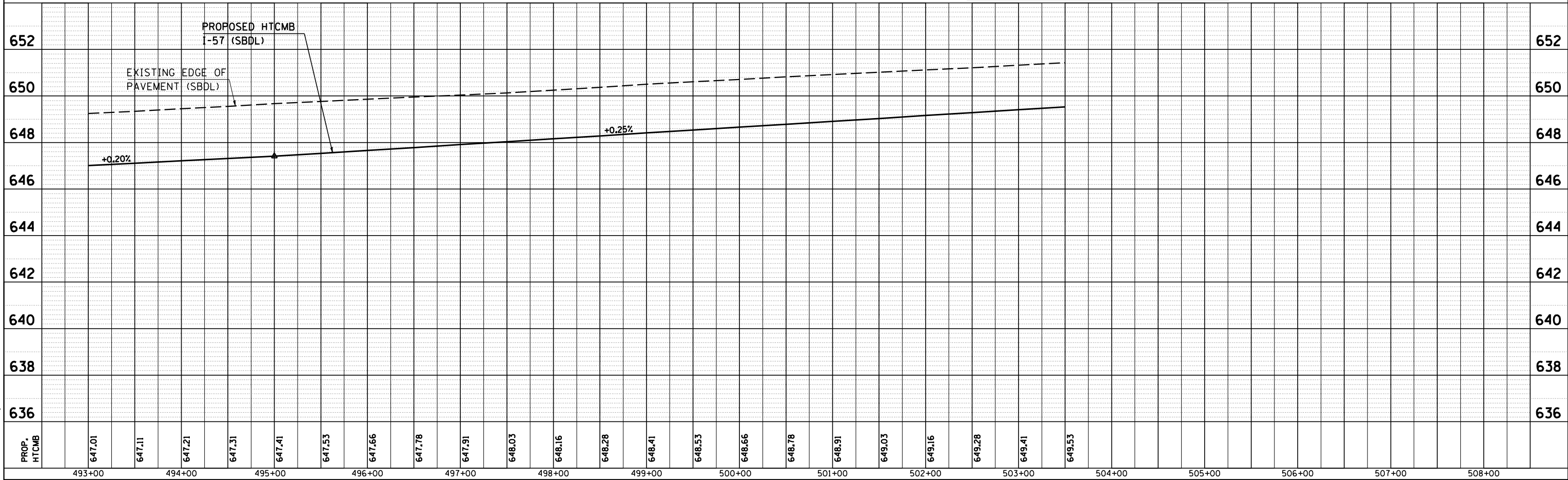
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57&74	*	**	151	25
STA. 493+00		TO STA.508+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

SEC. 2, T15N, R8E, 3rd PM



SEC. 1, T15N, R8E, 3rd PM



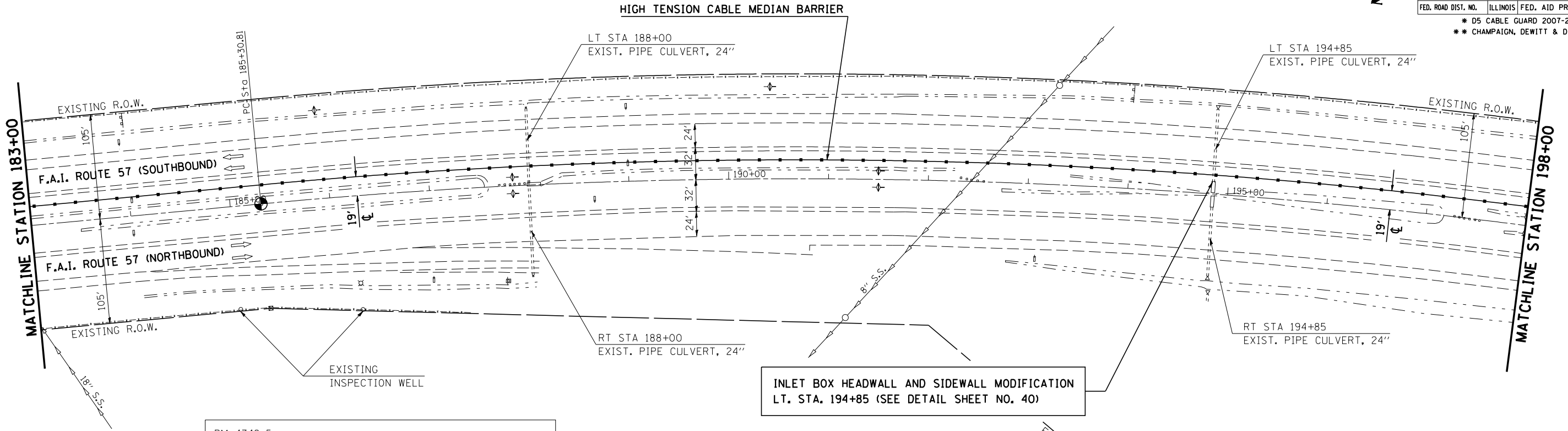
LOCATION #1 TUSCOLA 493+00 TO 508+00

PLAN	SURVEYED	BY	DATE
NOTED	NOTED		
NOTE BOOK	NOTED		
NO.	NO.		

PROFILE	SURVEYED	BY	DATE
NOTED	NOTED		
NOTE BOOK	NOTED		
NO.	NO.		

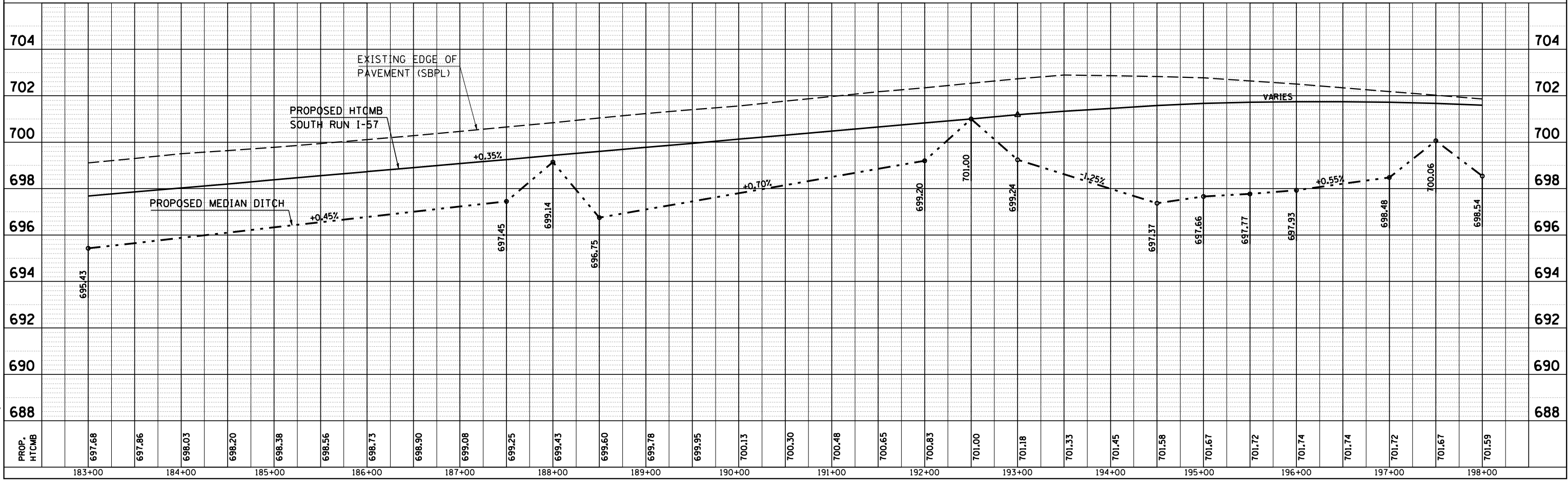
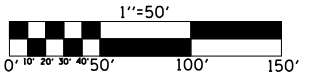
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 USER NAME = philipj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	27
STA. 183+00 TO STA. 198+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



BM 4748-5
 CHISELED "X" ON THE TOP OF THE NW BOLT OF SIGN
 BASE OF OVERHEAD REST AREA SIGN (POLE NUMBER 07 601)
 STATION 187+76.09, 93.74 RT, ELEV 699.952

SEC. 21, T17N, R8E, 3rd PM



LOCATION #2 PESOTUM 183+00 TO 198+00

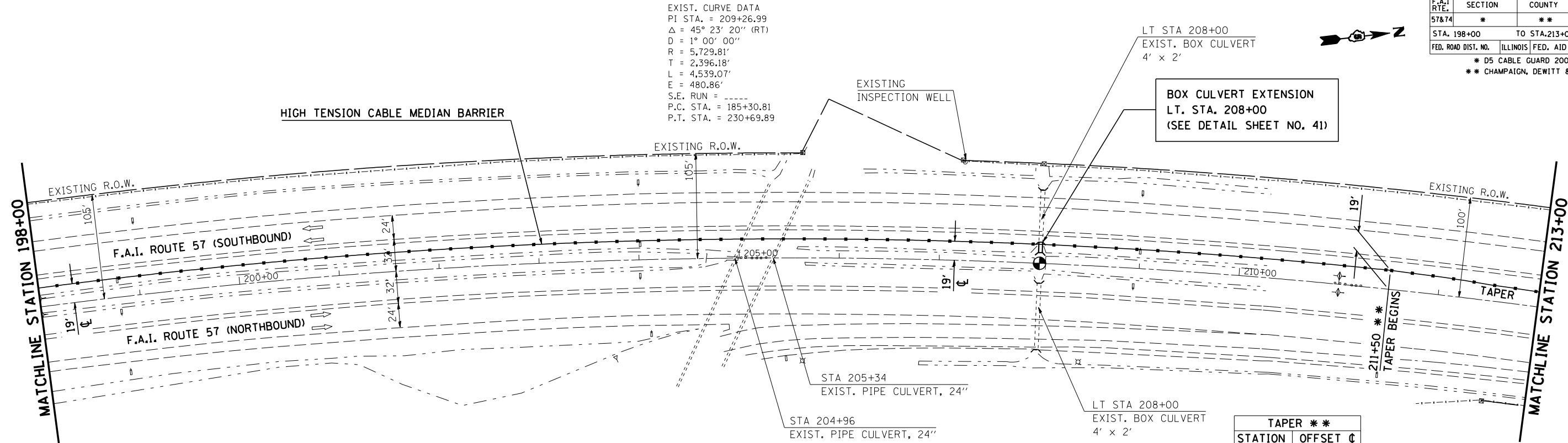
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NOTED	NOTED		
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PROFILE	SURVEYED	BY	DATE
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NOTED	NOTED		
NOTED	NOTED		
NOTED	NOTED		

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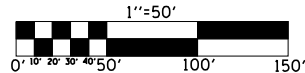
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 D = 1° 00' 00"
 R = 5,729.81'
 T = 2,396.18'
 L = 4,539.07'
 E = 480.86'
 S.E. RUN = -----
 P.C. STA. = 185+30.81
 P.T. STA. = 230+69.89

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	28
STA. 198+00 TO STA.213+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



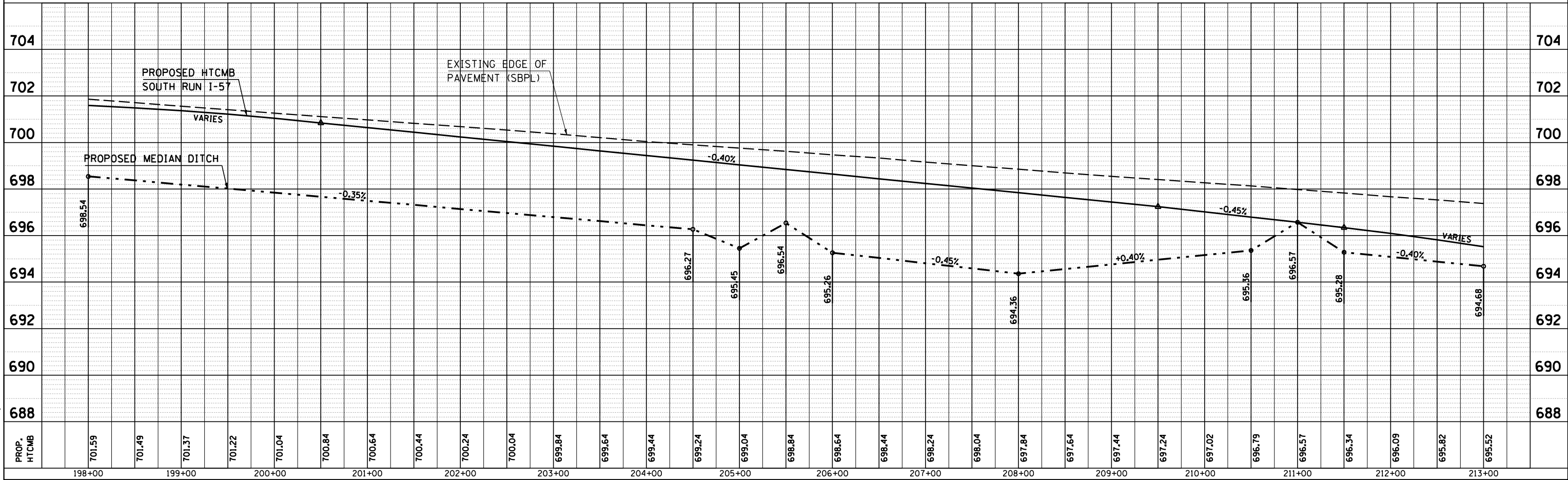
BM 4748-6
 CHISELED SQUARE ON THE TOP OF
 EAST HEADWALL OF AR PIPE CULVERT
 STATION 204+37.01, 127.66 RT, ELEV 699.036

TAPER **	
STATION	OFFSET
211+50	19' LT
212+00	18' LT
212+50	16' LT
213+00	15' LT



SEC. 21, T17N, R8E, 3rd PM

(CONT. NEXT SHEET)



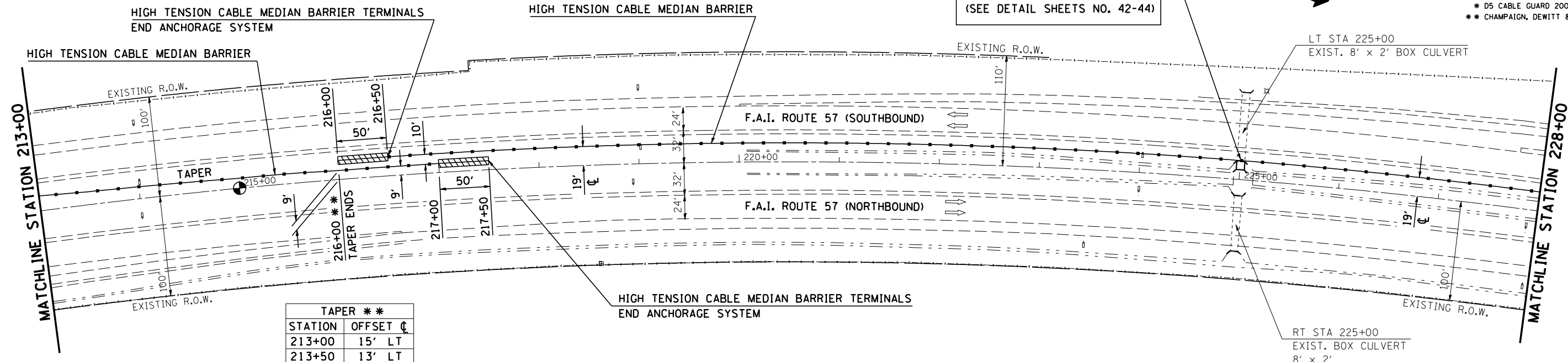
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	CHECKED		
	NOTED		
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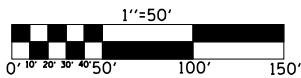
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	PLOTTED		
	CHECKED		
	NOTED		
	FILE NAME		

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CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	29
STA. 213+00		TO STA.228+00		
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT	
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



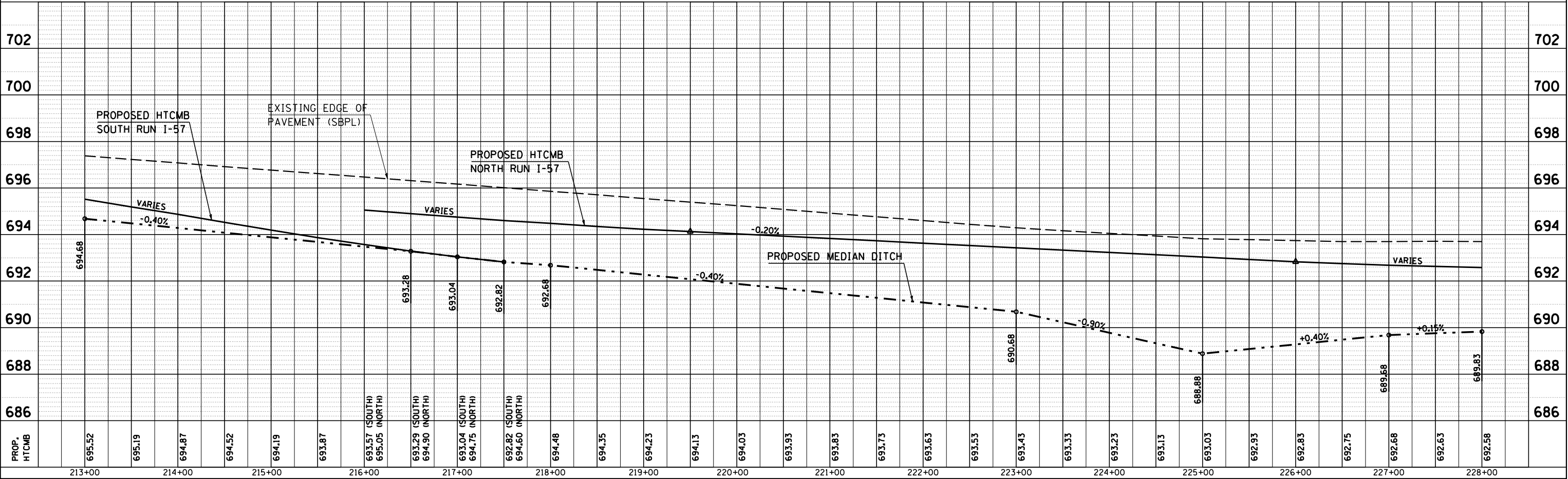
STATION	OFFSET	CL
213+00	15'	LT
213+50	13'	LT
214+00	12'	LT
214+50	11'	LT
215+00	10'	LT
215+50	10'	LT
216+00	9'	LT



BM 4612-4 (CHISELED SQUARE)
 ON HEADWALL OF AR BOX CULVERT
 STATION 225+05.00, 18.02 LT, ELEV 692.090

SEC. 21, T17N, R8E, 3rd PM

SEC. 16, T17N, R8E, 3rd PM



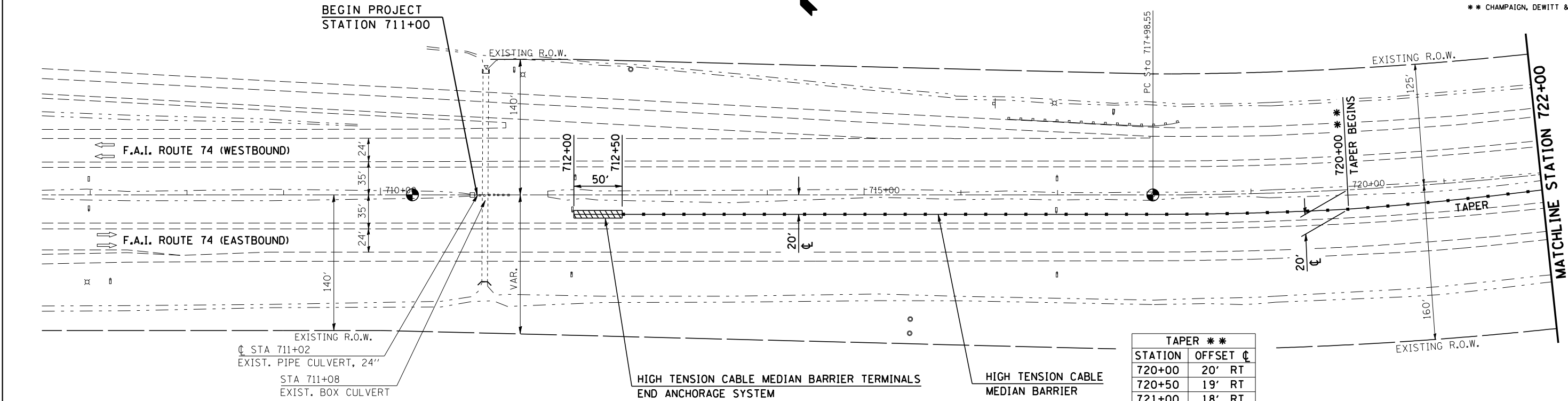
LOCATION #2 PESOTUM 213+00 TO 228+00

PLAN	SURVEYED	BY	DATE
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NOTE BOOK	NOTED		
NO. _____	FILED		
NO. _____	FILED		

PROFILE	SURVEYED	BY	DATE
NO. _____	FILED		
NOTE BOOK	NOTED		
NO. _____	FILED		
NO. _____	FILED		

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USER NAME = philipj

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	32
STA. 707+00 TO STA. 722+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



TAPER **	
STATION	OFFSET
720+00	20' RT
720+50	19' RT
721+00	18' RT
721+50	17' RT
722+00	16' RT

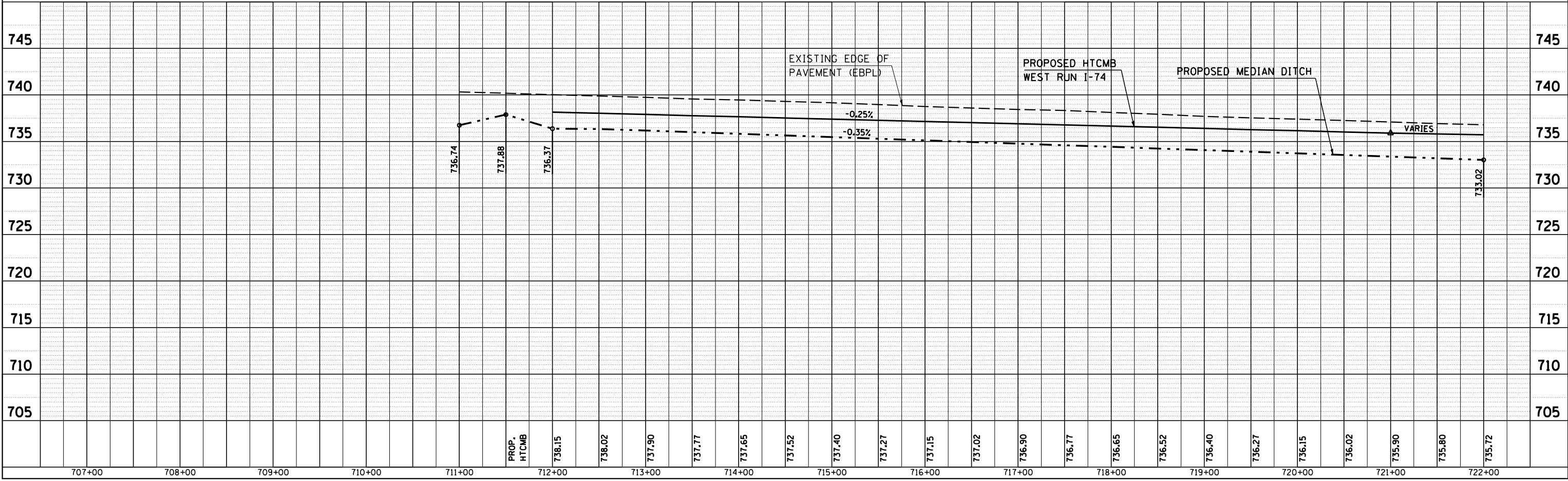
SEC. 17, T21N, R5E, 3rd PM

BM LOCATED ON PSM
STATION 710+31.96, ON C, ELEV 736.43

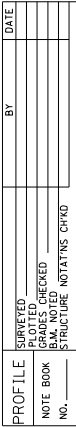
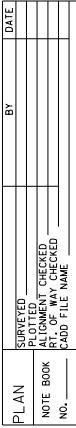
BM LOCATED ON PSM
STATION 717+98.55, ON C, ELEV 734.380

(CONT. NEXT SHEET)

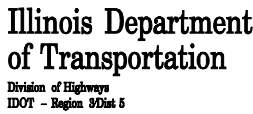
SEC. 20, T21N, R5E, 3rd PM



LOCATION #3 FARMER CITY 707+00 TO 722+00



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Page 1 of 1

Date 7/27/06

ROUTE	FAI 57 & 74	DESCRIPTION	Proposed HTCB on I-57SB Just South of Tuscola	LOGGED BY	RRW
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SECTION	D5 Cable Guard 2007-2	LOCATION	, SEC., TWP., RNG.
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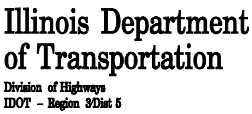
COUNTY	Dewitt, Champaign, Douglas	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	Automatic
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STRUCT. NO.		D	B	U	M	Surface Water Elev.		ft
Station		E	L	C	O	Stream Bed Elev.		ft
		P	O	S	I			
BORING NO.	5 HTCB	T	W		S	Groundwater Elev.:		
Station	467+50	H	S	Qu	T	First Encounter		ft
Offset	17.0 ft Lt. of E.O.P.					Upon Completion		ft
Ground Surface Elev.	644.2	ft	(ft)	(6")	(tsf)	(%)	After	Hrs. ft

[illegible]

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Page 1 of 1

Date 7/27/06

ROUTE	FAI 57 & 74	DESCRIPTION	Proposed HTCB on I-57SB Just South of Tuscola	LOGGED BY	RRW
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SECTION	D5 Cable Guard 2007-2	LOCATION	SEC., TWP., RNG.
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COUNTY	Dewitt, Champaign, Douglas	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	Automatic
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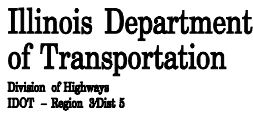
STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft
Station	E	L	O	O	Stream Bed Elev.	ft
	P	C	S	I		
BORING NO.	T	W	S	S	Groundwater Elev.:	
6 HTCB	H	S	Qu	T	First Encounter	ft
Station					Upon Completion	ft
503 + 25					After	Hrs.
Offset						ft
15.0 ft Lt. of E.O.S.	(ft)	(6")	(baf)	(%)		
Ground Surface Elev.						
648.1 ft						

Soil Description	Depth (ft)	Moisture (%)	Specific Gravity	Unit Weight (pcf)
Brown Mottled Silty Clay Loam	3			
	4	3.5	23	
	6	S		
	2			
	3	3.1	24	
	3	S		
Brown Sandy Clay with Grey Silty Seams	2			
	3	0.6	24	
	5	B		
	640.1			
	2			
	3	2.1	14	
Grey Sandy Clay Loam Till	5	B		
	637.1			
	2			
	3	2.5	13	
	8	B		
	6			
End of Boring	11		16	
	13			
	633.1			

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

SOIL BORINGS LOCATION #1 TUSCOLA

Page 1 of 1

Date 7/26/06

ROUTE	FAI 57 & 74	DESCRIPTION	Proposed HTCB on I-57 North of Pesotum Near NB & SB Rest Areas	LOGGED BY	RRW
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SECTION	D5 Cable Guard 2007-2	LOCATION	, SEC., TWP., RNG.
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COUNTY	<u>Dewitt, Champaign, Douglas</u>	DRILLING METHOD	<u>Hollow Stem Auger</u>	HAMMER TYPE	<u>Automatic</u>
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STRUCT. NO.		D	B	U	M	Surface Water Elev.		ft
Station		E	L	C	O	Stream Bed Elev.		ft
		P	O	S	I			
BORING NO.	1 HTCB	T	W		S	Groundwater Elev.:		
Station	174+40	H	S	Qu	T	First Encounter		ft
Offset	5.0 ft Rt. of E.O.S.					Upon Completion		ft
Ground Surface Elev.	695.8 ft	(ft)	(6")	(tsf)	(%)	After	Hrs.	ft

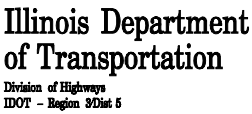
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An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Page 1 of 1

Date 7/26/06

ROUTE	FAI 57 & 74	DESCRIPTION	Proposed HTCB on I-57 North of Pesotum Near NB & SB Rest Areas	LOGGED BY	RRW
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SECTION	D5 Cable Guard 2007-2	LOCATION	, SEC., TWP., RNG.
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COUNTY	Dewitt, Champaign, Douglas	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	Automatic
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STRUCT. NO. _____	D	B	U	M	Surface Water Elev. _____ ft
Station _____	E	L	C	O	Stream Bed Elev. _____ ft
	P	O	S	I	
BORING NO. _____ 2 HTCB	T	W		S	Groundwater Elev.: _____ ft
Station _____ 216+00	H	S	Qu	T	First Encounter _____ ft
Offset _____ 9.0 ft Rt. of E.O.S.					Upon Completion _____ ft
Ground Surface Elev. _____ 695.8 ft	(ft)	(6")	(tsf)	(%)	After _____ Hrs. _____ ft

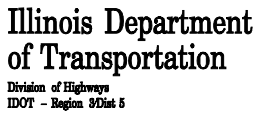
Soil Description	Depth (ft)	Moisture (%)	Plasticity Index	Notes
Brown Mottled Silty Clay Loam	1			
	2	1.2	24	
	4	B		
	1			
	2	1.6	24	
	3	B		
	0			
	1	0.8	24	
	2	B		
	1			
Grey Sandy Clay Loam	3	1.2	15	
	4	B		
	2			
	7	1.6	10	
Grey Sandy Clay Loam Till	6	B		
	2			
	3	2.9	13	
	6	B		
End of Boring				

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Page 1 of 1

Date 7/27/06

SECTION	D5 Cable Guard 2007-2	LOCATION	, SEC., TWP., RNG.
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COUNTY	<u>Dewitt, Champaign, Douglas</u>	DRILLING METHOD	<u>Hollow Stem Auger</u>	HAMMER TYPE	<u>Automatic</u>
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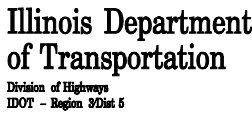
STRUCT. NO.		D	B	U	M	Surface Water Elev.		ft
Station		E	L	C	O	Stream Bed Elev.		ft
		P	O	S	I			
BORING NO.	3 HTCE	T	W		S	Groundwater Elev.:		
Station	217+50	H	S	Qu	T	First Encounter		ft
Offset	6.0 ft Rt. of E.O.S.					Upon Completion		ft
Ground Surface Elev.	895.1 ft	(ft)	(6")	(tsf)	(%)	After	Hrs.	ft

9/22/2006 9:26:33 AM S:\SOILS\BORING LOGS\CHAMPAIGN CNTY\HTCB I-57 TUS@PESOTUM.GPJ

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

Page 1 of 1

Date 7/27/06

SECTION	D5 Cable Guard 2007-2	LOCATION	, SEC., TWP., RNG.
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COUNTY	<u>Dewitt, Champaign, Douglas</u>	DRILLING METHOD	<u>Hollow Stem Auger</u>	HAMMER TYPE	<u>Automatic</u>
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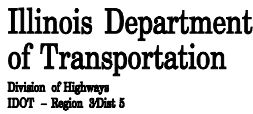
STRUCT. NO. _____	D	B	U	M	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft
Station _____	E	L	C	O	
	P	O	S	I	
BORING NO. _____ 4 HTCB	T	W	S		
Station _____ 250+25	H	S	Qu	T	
Offset _____ 1.5 ft Rt. of E.O.S.					
Ground Surface Elev. _____ 692.8 ft	(ft)	(6")	(tsf)	(%)	

9/22/2006 9:28:34 AM S:\SOILS\BORING LOGS\CHAMPAIGN CNTY\HTCB I-57 TUS@PESOTUM.GPJ

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

Page 1 of 1

Date 7/26/06

ROUTE	FAI 57 & 74	DESCRIPTION	Proposed HTCB on I-57SB Just South of Tuscola	LOGGED BY	CNA
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SECTION	D5 Cable Guard 2007-2	LOCATION	, SEC., TWP., RNG.
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COUNTY	Dewitt, Champaign, Douglas	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	Automatic
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STRUCT. NO.		D	B	U	M	Surface Water Elev.		ft
Station		E	L	C	O	Stream Bed Elev.		ft
		P	O	S	I			
BORING NO.	7 HTCB Farmer City	T	W		S	Groundwater Elev.:		
Station	712+25	H	S	Qu	T	First Encounter	725.1	ft ▼
Offset	19.8 ft Lt. of E.O.P.					Upon Completion		ft
Ground Surface Elev.	738.1 ft	(ft)	(6")	(tsf)	(%)	After	Hrs.	ft

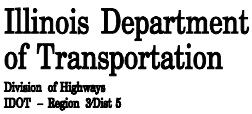
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An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Page 1 of 1

Date 7/26/06

ROUTE	FAI 57 & 74	DESCRIPTION	Proposed HTCB on I-74 EB Just East of Rest Area	LOGGED BY	CNA
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SECTION	D5 Cable Guard 2007-2	LOCATION	, SEC., TWP., RNG.
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COUNTY	Dewitt, Champaign, Douglas	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	Automatic
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STRUCT. NO.		D	B	U	M	Surface Water Elev.		ft
Station		E	L	O	I	Stream Bed Elev.		ft
		P	O	S				
BORING NO.	8 HTCB Farmer City	T	W	S		Groundwater Elev.:		
Station	725+50	H	S	Qu	T	First Encounter	728.6	ft ▼
Offset	16.0 ft Lt. of E.O.P.					Upon Completion	725.6	ft ▼
Ground Surface Elev.	736.6 ft	(ft)	(6")	(tsf)	(%)	After	Hrs.	ft

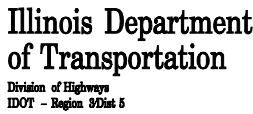
9/22/2006 9:28:37 AM S:\SOILS\BORING LOGS\CHAMPAIGN CNTY\HTCB I-57 TUS@PESOTUM.GPJ

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Page 1 of 1

Date 7/26/06

COUNTY	Dewitt, Champaign, Douglas	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	Automatic
--------	----------------------------	-----------------	-------------------	-------------	-----------

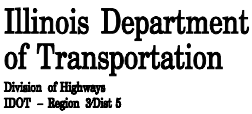
Surface Water Elev.	_____	ft
Stream Bed Elev.	_____	ft
Groundwater Elev.:		
First Encounter	_____ 727.1	ft
Upon Completion	_____ DRY	ft
After _____ Hrs.	_____	ft

BORING NO.	9 HTCB Farmer City
Station	726+00
Offset	20.0 ft Lt. of E.O.P.
Ground Surface Elev.	736.6

[illegible]

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Page 1 of 1

Date 7/26/06

COUNTY	Dewitt, Champaign, Douglas	DRILLING METHOD	Hollow Stem Auger	HAMMER TYPE	Automatic
--------	----------------------------	-----------------	-------------------	-------------	-----------

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion **DRY** ft
After _____ Hrs. _____ ft

BORING NO.	<u>10 HTCB Farmer City</u>
Station	<u>743+75</u>
Offset	<u>38.0 ft Lt. of E.O.P.</u>
Ground Surface Elev.	<u>759.0</u>

[illegible]

The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

SOIL BORINGS LOCATION #3 FARMER CITY

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PLOT DATE      = 10/30/2005
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PLOT SCALE     = 105.824 ' / IN.
USER NAME      = phillips,jr
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	40

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

INLET BOX HEADWALL AND SIDEWALL MODIFICATION LT STA 194+85

NOTES

All edges shall have standard $\frac{3}{4}$ " chamfers.

CLASS SI CONCRETE shall be used throughout.

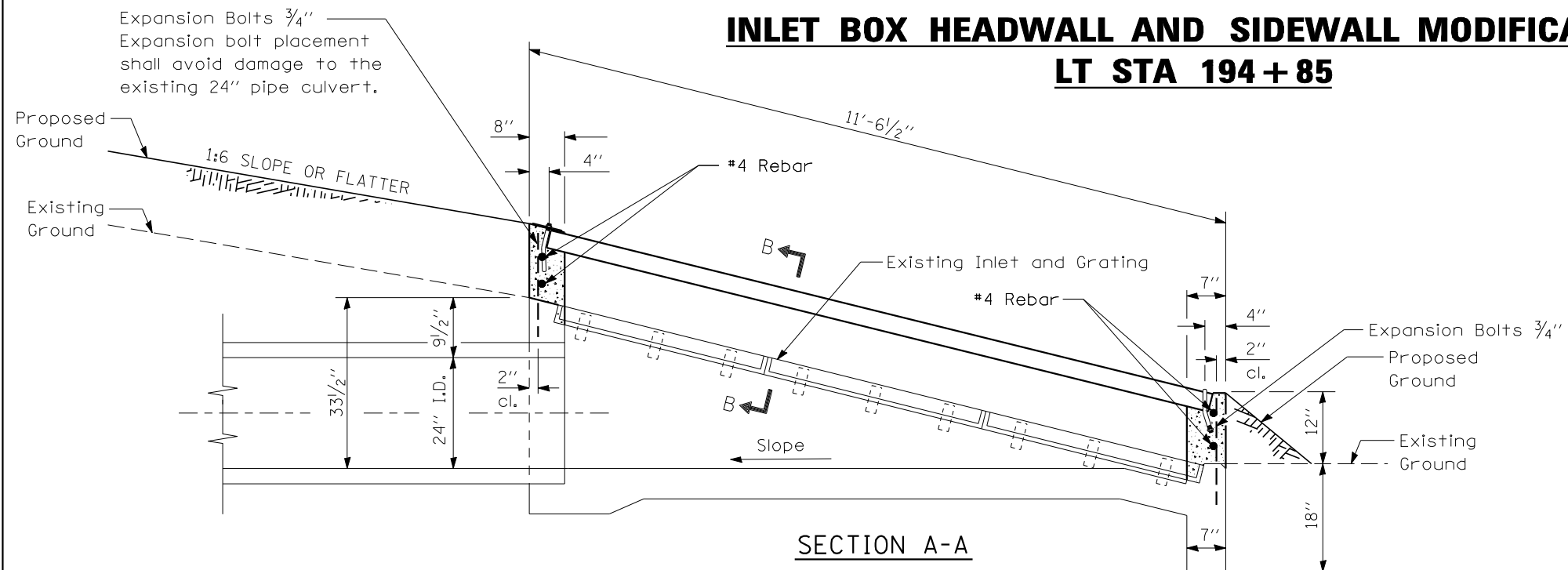
Expansion bolts shall extend a minimum 6" into new concrete.

The contractor will be responsible for checking steel pipe length and field dimensions prior to ordering to insure proper installation of grating.

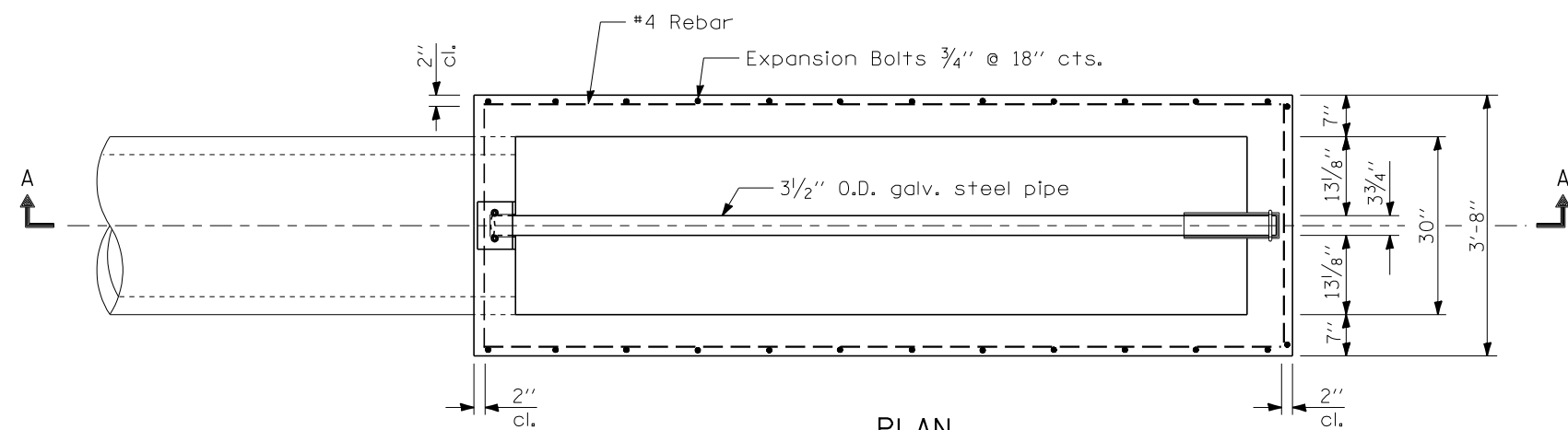
Existing angle frame and main bearing bars shall remain in place. Existing steel grating shall be removed and delivered to Tuscola maintenance storage yard at no additional cost to the state.

The inlet shall be backfilled in accordance with the Standard Specifications.

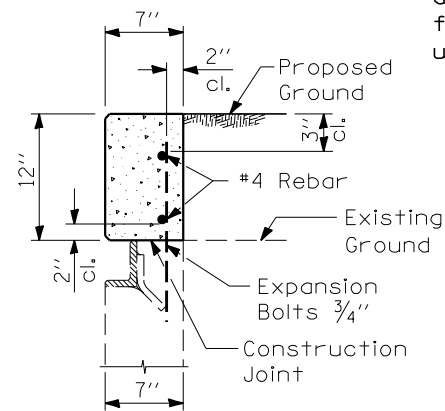
All work and materials shall be in accordance with applicable portions of Section 542. The galvanized steel pipe, steel top anchor plate, U bolts, nylon insert hex lock nuts and washers and all work associated with these items will not be measured for payment and shall be included in the contract unit price per cubic yard for CONCRETE HEADWALLS.



SECTION A-A

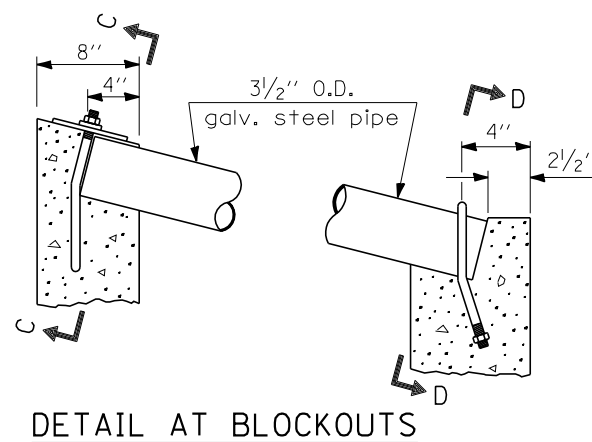


PLAN

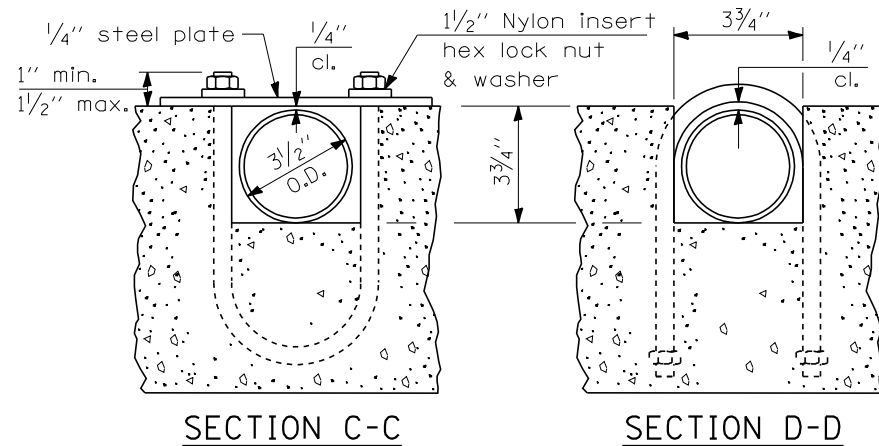


SECTION B-B

Bill of Materials		
LOCATION LT. 194+85		
54002020 $\frac{3}{4}$ " Bolts	each	16
54248500 Concrete Headwalls	cu. yd.	0.6
50800105 Rebar size #4	pound	16.5
Galv. Steel Pipe	$\frac{3}{2}$ " O.D.	11'-0"

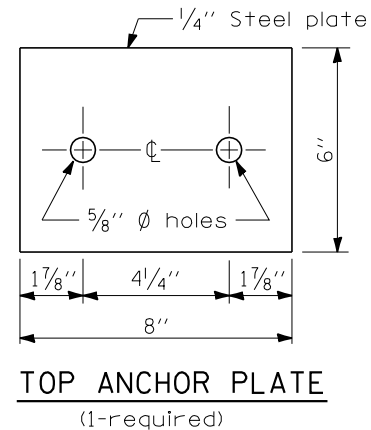
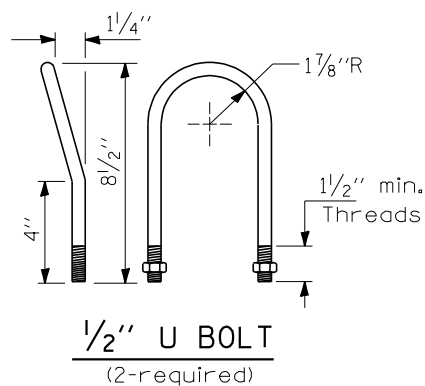


DETAIL AT BLOCKOUTS



SECTION C-C

SECTION D-D



TOP ANCHOR PLATE
(1-required)

ILLINOIS DEPARTMENT OF TRANSPORTATION

INLET BOX HEADWALL AND SIDEWALL MODIFICATION LT STA 194+85

SCALE: NOT TO SCALE
DATE: 09/26/06

DRAWN BY: CADD
CHECKED BY:

LOCATION #2 PESOTUM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	41

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

DETAIL OF COLLAR AND BOX CULVERT EXTENSION WITH PIPE CULVERTS
LT STA 208+00

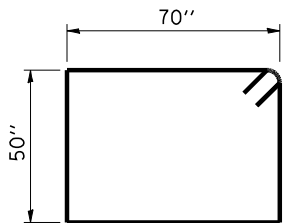
SCHEDULE OF QUANTITIES

LOCATION	54002020 3/4 INCH BOLTS	54248510 CONCRETE COLLAR	50104300 CONCRETE HEADWALL REMOVAL	50800105 REBAR SIZE #5
	EACH	CU YD	CU YD	POUND
LT. 208+00	10.0	0.7	0.3	41.6

NOTES

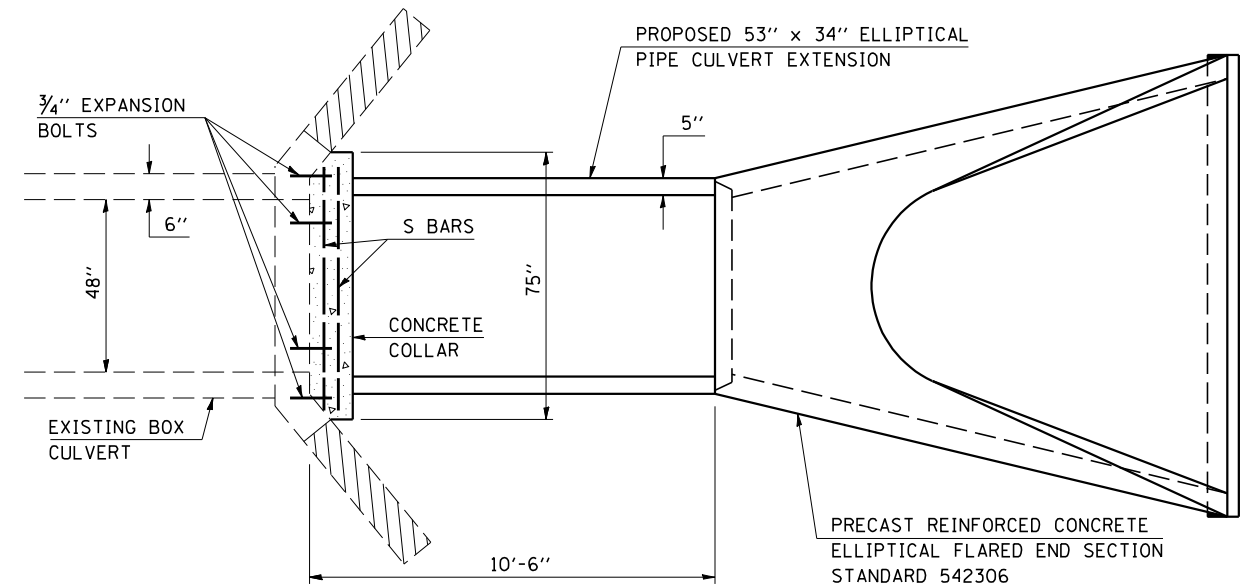
- CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
- EXPANSION BOLTS SHALL CONSIST OF SELF-DRILLING EXPANSION SHIELD AND 3/4"Ø HOOKED BAR. THE HOOKED BAR SHALL EXTEND 6" MINIMUM INTO CONCRETE COLLAR AND EXISTING HEADWALL.
- THE CULVERT SHALL BE BACKFILLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL REMOVE ADDITIONAL PORTIONS OF THE WINGWALLS AS REQUIRED TO ALLOW THE PIPE CULVERT TO FIT TIGHTLY AGAINST THE HEADWALL, OR MAY PROVIDE SUITABLE BANDING OR OTHER APPROVED METHOD TO PREVENT CONCRETE FROM ENTERING THE INTERIOR OF THE PIPE CULVERT.
- AS PER ARTICLE 542.11 OF THE STANDARD SPECIFICATIONS, PAY ITEMS ASSOCIATED WITH THE CONCRETE COLLAR WILL BE AS FOLLOWS:

- CONCRETE COLLARS (CU YD)
- REINFORCEMENT BARS (POUND)
- EXPANSION BOLTS 3/4" (EACH)
- CONCRETE HEADWALL REMOVAL (CU YD)



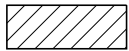
BARS S

SIZE #5
QUANTITY 2
LENGTH 20' -0"

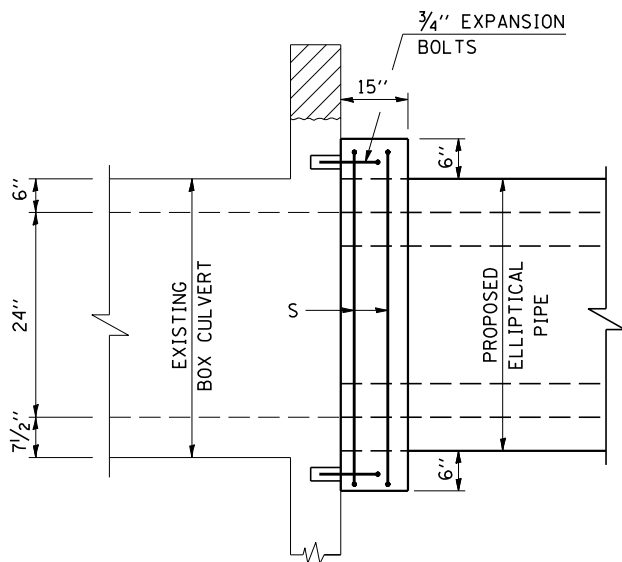


PLAN VIEW

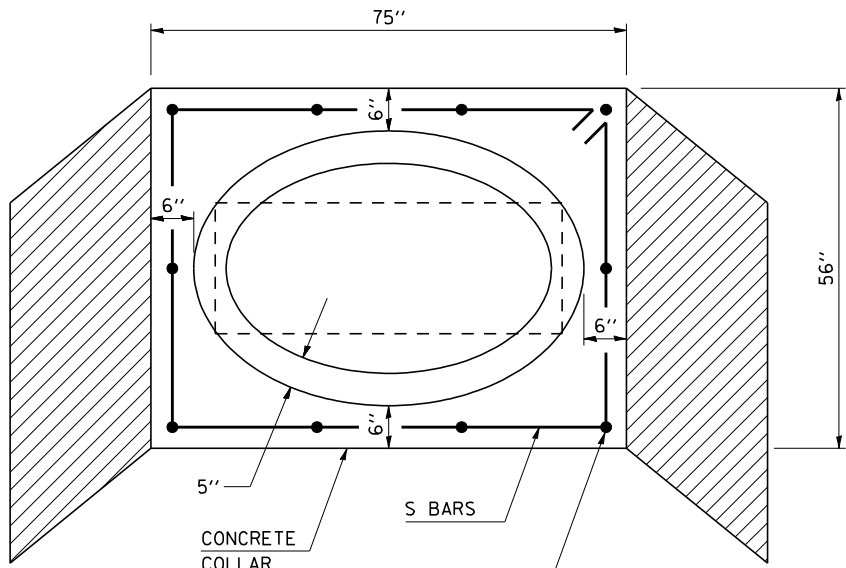
NOTE: PIPE LENGTH TO BE DETERMINED IN FIELD



- REMOVE THAT PORTION OF THE EXISTING HEADWALL DOWN TO 12" BELOW FINISHED GRADE - IF APPLICABLE
- REMOVE ONLY THAT PORTION OF THE EXISTING WINGWALLS THAT EXTENDS PAST THE PROPOSED COLLAR FOR EASE OF CONSTRUCTION OR WHEN DEEMED NECESSARY BY THE ENGINEER
- THIS WORK WILL BE PAID FOR AS CONCRETE HEADWALL REMOVAL (CUYD)



SIDE VIEW



END VIEW

3/4" EXPANSION BOLTS
Ø 12"-18" CTS. MAX. - 10 EACH

ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAIL OF COLLAR AND BOX CULVERT
EXTENSION WITH PIPE CULVERTS**

LT STA 208+00

SCALE: NA
DATE: 08/21/06

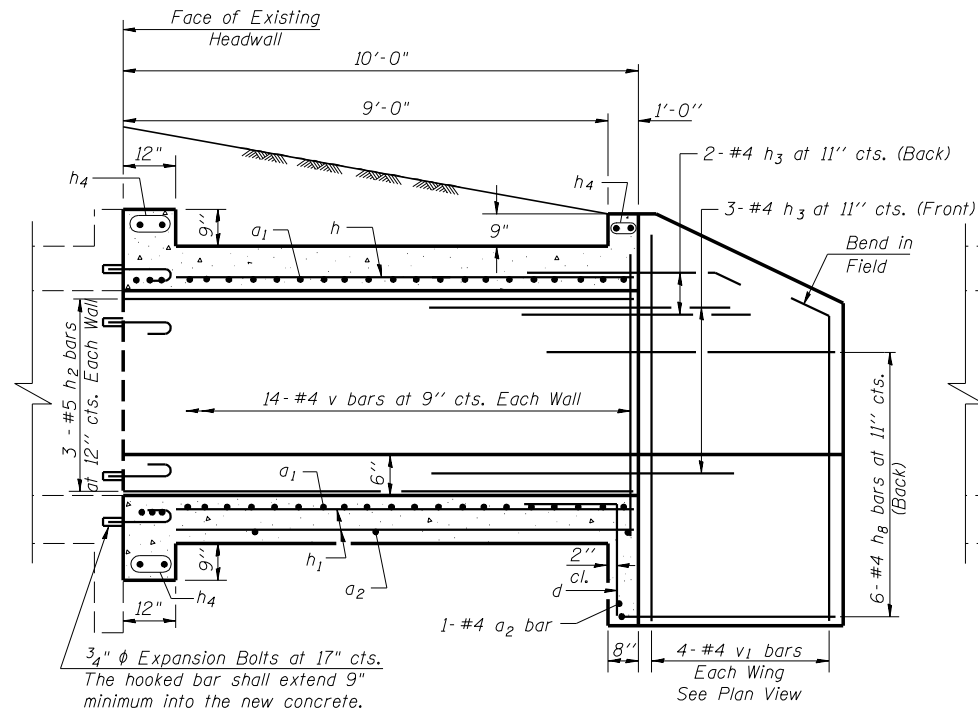
DRAWN BY: CADD
CHECKED BY:

LOCATION #2 PESOTUM

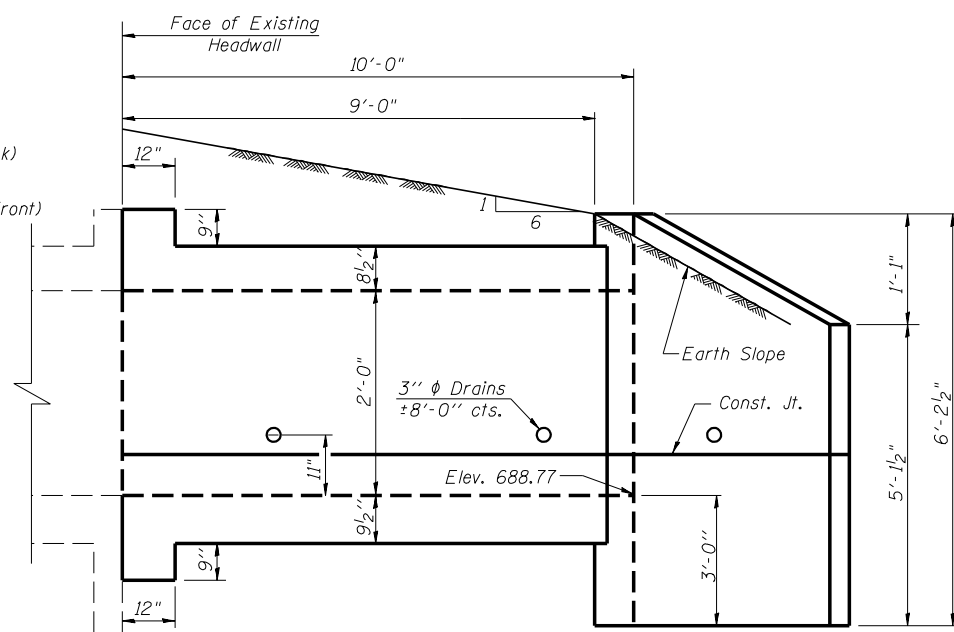
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	42

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

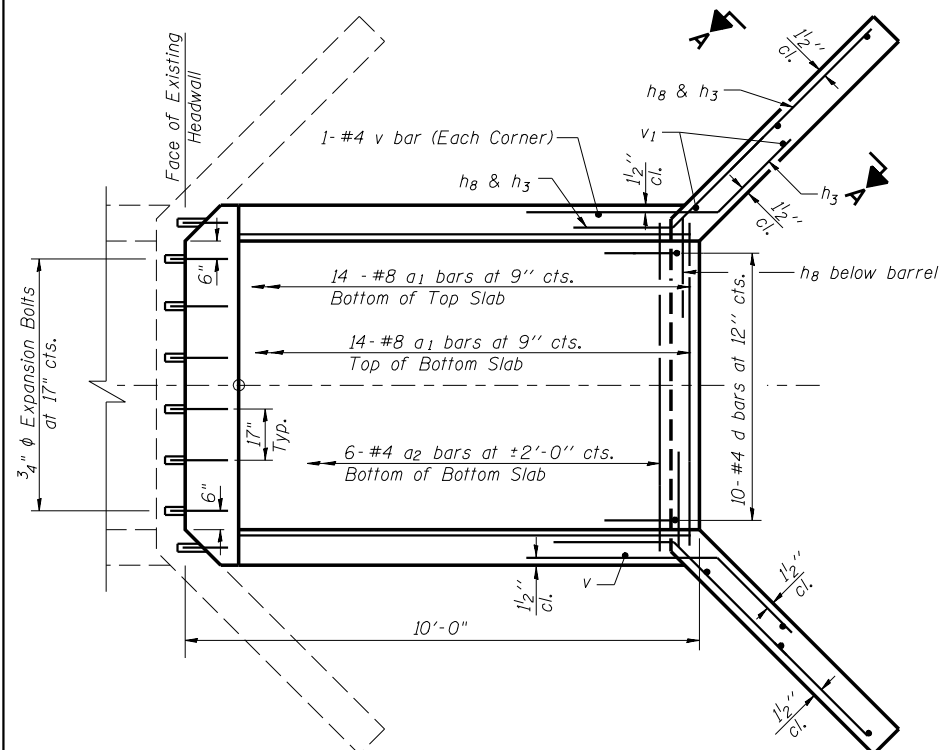
DETAIL OF BOX CULVERT EXTENSION WITH CAST-IN-PLACE BOX CULVERT



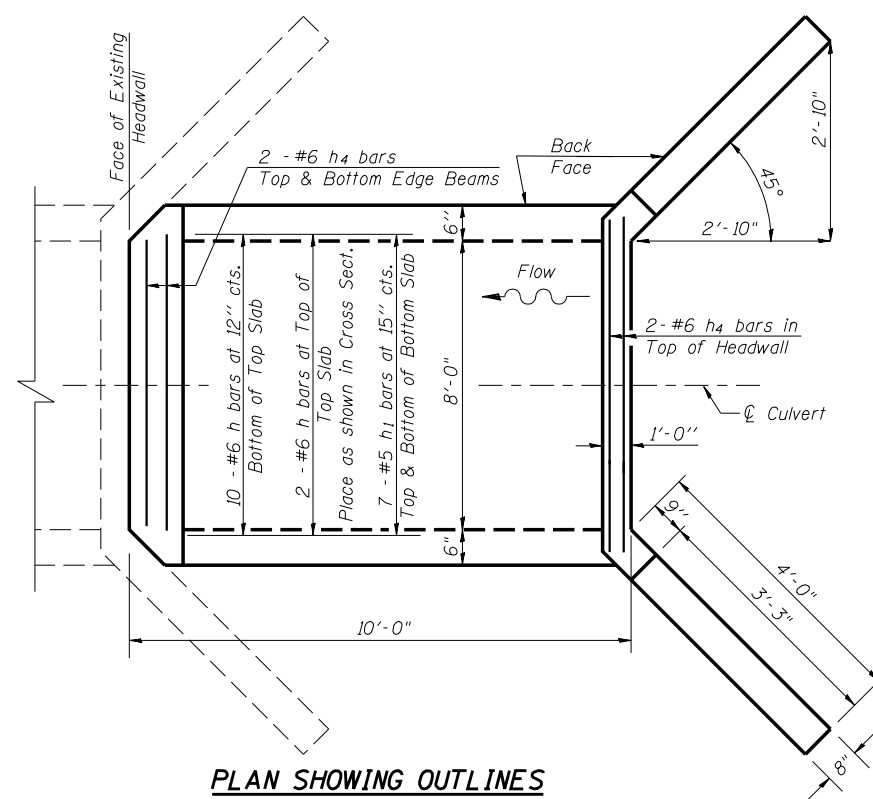
HALF LONG. SECTION



HALF ELEVATION



PLAN SHOWING REINFORCEMENT



PLAN SHOWING OUTLINES

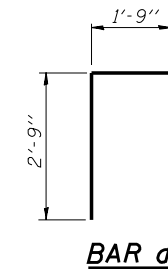
NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
All construction joints shall be bonded.

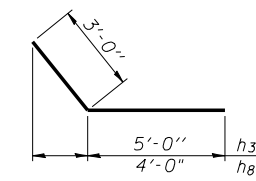
DESIGN STRESSES

$f_y = 60,000$ psi
 $f'_c = 3,500$ psi

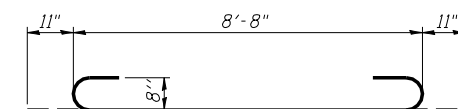
LOADING HS 20-44 & ALT.



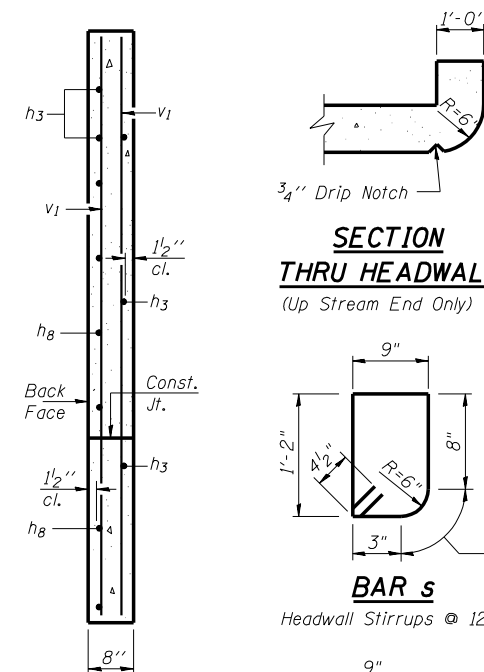
BAR d



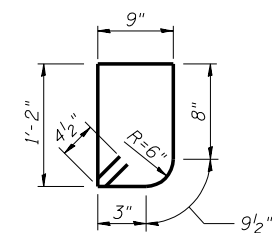
BARS h3 & h8



BAR a1

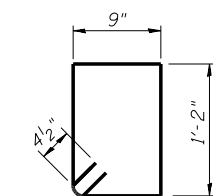


SECTION A-A



BAR s

Headwall Stirrups @ 12" cts.



BAR s1

Top & Bottom Edge Beams
Stirrups @ 12" cts.

SECTION THRU BARREL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	28	#8	10'-6"	
a2	7	#4	8'-3"	
d	10	#4	4'-6"	
h	12	#6	9'-8"	
h1	16	#5	9'-8"	
h2	6	#5	9'-8"	
h3	10	#4	8'-0"	
h4	6	#6	8'-8"	
h8	12	#4	7'-0"	
s	10	#4	4'-5"	
s1	20	#4	4'-7"	
v	30	#4	3'-2"	
v1	8	#4	5'-1"	
Concrete Box Culverts				Cu. Yd. 8.9
Reinforcement Bars				Pound 1620.0
3/4 Inch Expansion Bolts				Each 16.0

ILLINOIS DEPARTMENT OF TRANSPORTATION

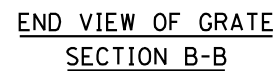
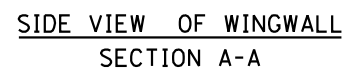
BOX CULVERT EXTENSION W/CAST-IN-PLACE BOX CULVERT LT. STA 225+00

SCALE: NA
DATE: 08/30/06

DRAWN BY: CADD
CHECKED BY:

LOCATION #2 PESOTUM

REMOVE AND REINSTALL GRATING FOR CONCRETE HEADWALL
STATION 225 + 00



Bolts, Nuts and Washers	
Item	Number
3x3x1/4 Plate washer	10
3 x 3/4 bolts with nuts & 2 washers	4
5 x 1/2 bolts with nuts & 2 washers	8
6 x 1/2 bolts with nuts & 2 washers	8
9 1/2 x 3/4 bolts with nuts & 2 washers	4
13 1/2 x 3/4 bolts with nuts & 2 washers	6

1. BOLTS, NUTS AND WASHERS SHALL CONFORM TO A.S.T.M. A 307. ALL BOLTS SHALL HAVE WASHERS AT EACH END. HOLES SHALL BE 1/16 " OVERSIZED UNLESS OTHERWISE NOTED EXCEPT IN CONCRETE WHICH SHALL BE 1/8 " OVERSIZED.
2. ANGLES AND STEEL PLATES SHALL CONFORM TO A.A.S.H.T.O. M 183. STEEL PIPES SHALL CONFORM TO A.S.T.M. A 53, GRADE B OR A.S.T.M. A 501.
3. STEEL PIPES, ANGLES AND PLATES SHALL BE HOT DIPPED GALVANIZED CONFORMING TO THE REQUIREMENTS OF A.A.S.H.T.O. M 111.
4. BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANIZED CONFORMING TO THE REQUIREMENTS OF A.A.S.H.T.O. M 232.
5. EXISTING PLATES, ANGLES AND PIPES SHALL BE REMOVED AND RE-ERECTED ONTO PROPOSED HEADWALL AND WINGWALLS. CENTER SUPPORT AND FOUNDATION SHALL BE REMOVED AND RE-ERECTED. THE CONTRACTOR SHALL INSURE EXISTING PLATES, ANGLES, PIPES AND CENTER SUPPORT ARE NOT DAMAGED DURING CONSTRUCTION. ANY DAMAGE DURING CONSTRUCTION SHALL BE CONTRACTOR RESPONSIBILITY TO REPLACE, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
6. ALL BOLTS, NUTS AND WASHERS SHALL BE REPLACED. NEW BOLTS, NUTS AND WASHERS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE EACH FOR "REMOVE & RE-ERECT EXISTING GRATING 8' X 2' BOX CULVERT".
7. THE CONTRACTOR WILL BE RESPONSIBLE FOR CHECKING ALL STRUCTURE DIMENSIONS, GRATE DIMENSIONS, BOLT, NUT & WASHER DIMENSIONS AND PIPE LENGTHS TO INSURE EXISTING GRATING IS PROPERLY RE-ERECTED ONTO THE PROPOSED EXTENSION.
8. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "REMOVE & RE-ERECT EXISTING GRATING 8' X 2' BOX CULVERT" WHICH PRICE SHALL INCLUDE ALL MATERIAL AND LABOR TO COMPLETE THE INSTALLATION AS SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVE AND REINSTALL GRATING
FOR CONCRETE HEADWALL
STATION 225 + 00

LOCATION #2 PESOTUM

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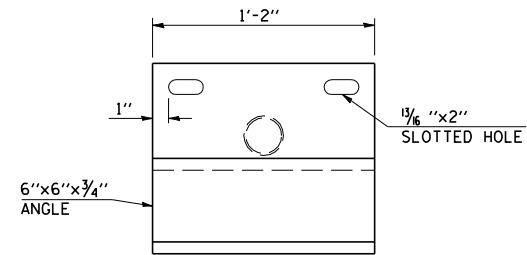
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FILE NAME   = c:\projects\d506106 (v8)\details70547.dgn
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USER NAME   = phillipsjr

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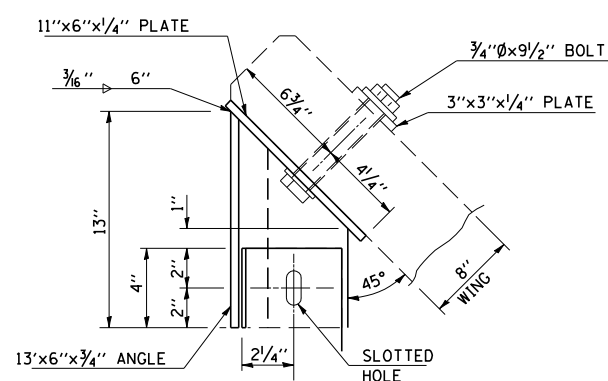
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	44

* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

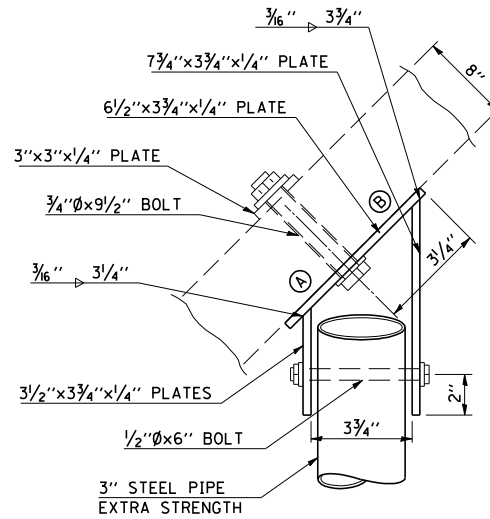
REMOVE AND REINSTALL GRATING FOR CONCRETE HEADWALL STATION 225 + 00



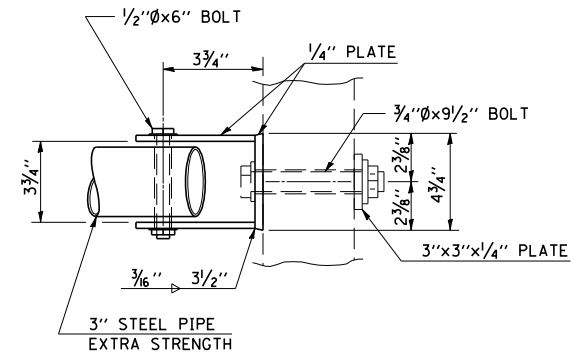
PLAN VIEW OF SUPPORT
(EXISTING)



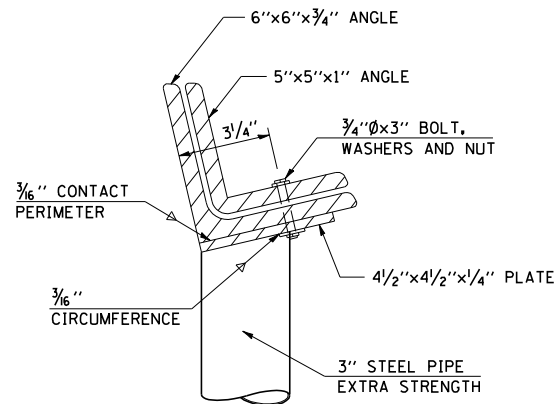
PLAN AT END OF WINGWALL



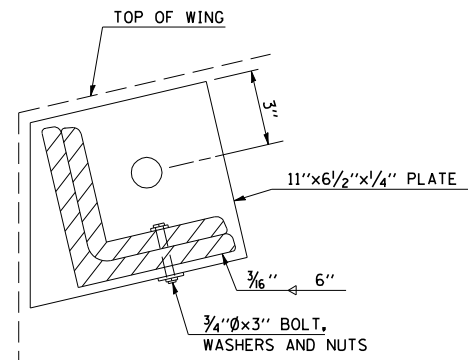
PLAN AT WINGWALL



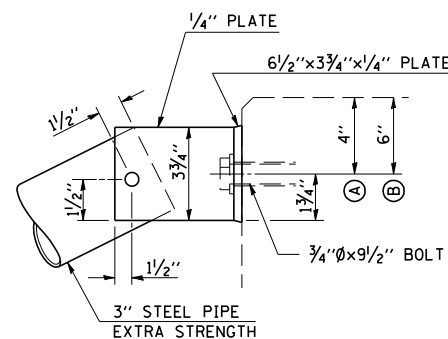
PLAN AT HEADWALL
(EXISTING 8" THICKNESS)



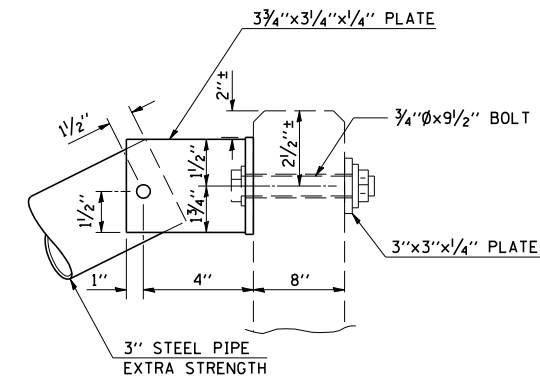
END VIEW OF SUPPORT
(EXISTING)



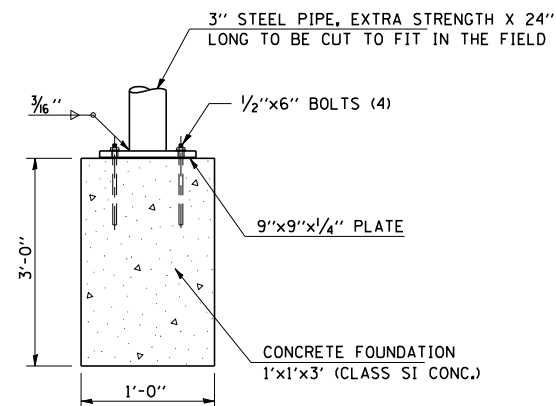
ELEVATION AT END OF WINGWALL



ELEVATION AT WINGWALL



ELEVATION AT HEADWALL
(EXISTING 8" THICKNESS)



CENTER SUPPORT FOUNDATION
(EXISTING)

SHEET 2 OF 2

ILLINOIS DEPARTMENT OF TRANSPORTATION

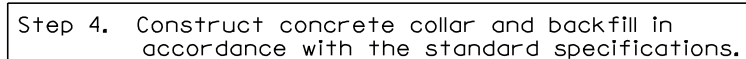
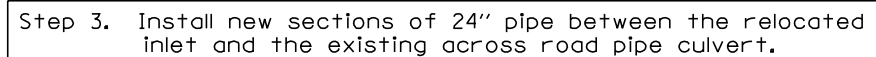
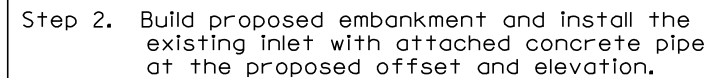
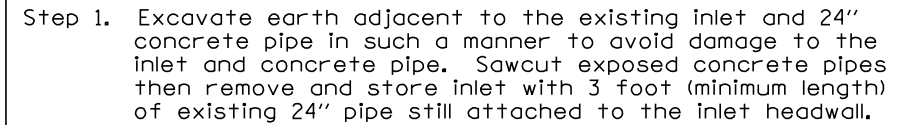
REMOVE AND REINSTALL GRATING FOR CONCRETE HEADWALL STATION 225 + 00

SCALE: NA
DATE: 09/28/06

DRAWN BY: CADD
CHECKED BY:

LOCATION #2 PESOTUM

PROPOSED METHOD TO REMOVE AND RELOCATE INLETS
RT STA 723+00



The contractor shall insure existing inlet and pipe culvert are not damaged during construction. Any damage during construction shall be the contractor's responsibility to repair or replace to the satisfaction of the engineer, no additional compensation will be allowed.

**PROPOSED METHOD TO
REMOVE AND RELOCATE INLETS**
RT STA 723+00

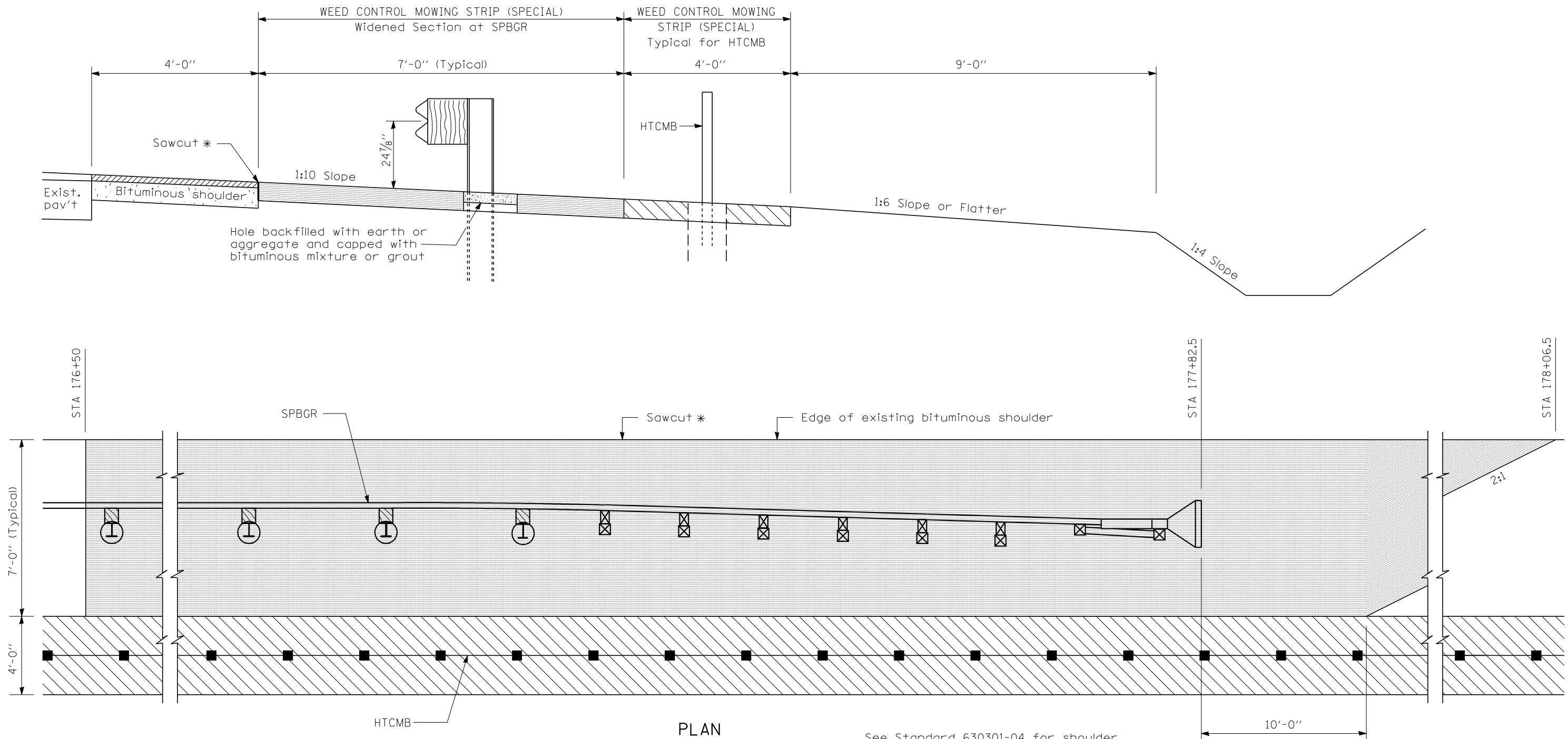
LOCATION #3 FARMER CITY

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PLOT SCALE     = 105.8824 ' / IN.
USER NAME      = phillipsjr
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	46

* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

WEED CONTROL MOWING STRIP (SPECIAL) WIDENED SECTION AT SPBGR STA 176+50 TO STA 178+36.5



* A Full Depth Saw Cut shall be made along the outside edge of the existing bituminous shoulder a maximum of 4" from the edge of shoulder. The saw cut shall be straight and shall be made with an approved concrete saw. Care shall be taken to prevent damage to shoulder which is to remain in place. All work associated with the saw cut and removal of bituminous shoulder material will not be measured for payment and shall be included in the contract unit price per square yard for "WEED CONTROL MOWING STRIP (SPECIAL)".

See Standard 630301-04 for shoulder widening details of guardrail not shown.

- WEED CONTROL MOWING STRIP (SPECIAL)
Widened Section at SPBGR
- WEED CONTROL MOWING STRIP (SPECIAL)
Typical for HTCMB

ILLINOIS DEPARTMENT OF TRANSPORTATION

**WEED CONTROL MOWING STRIP (SP)
 WIDENED SECTION AT SPBGR
 STA 176+50 TO STA 178+06.5**

SCALE: NA
 DATE: 10/03/06

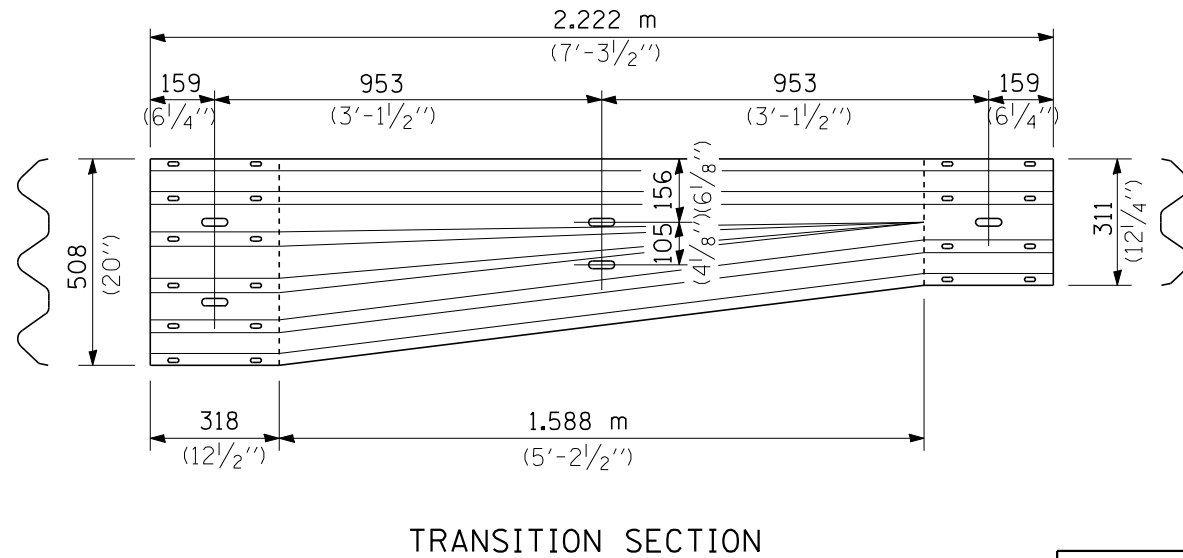
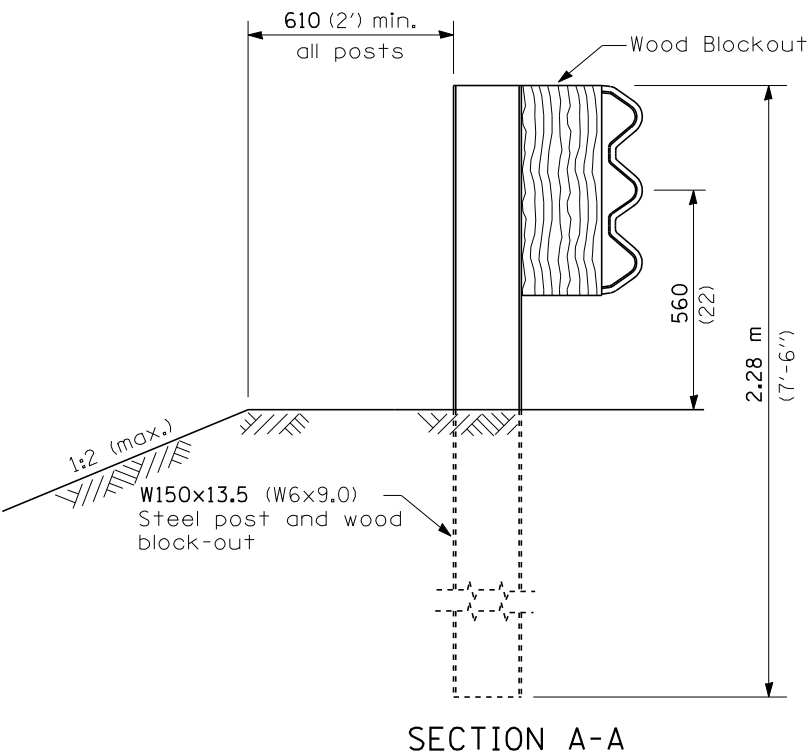
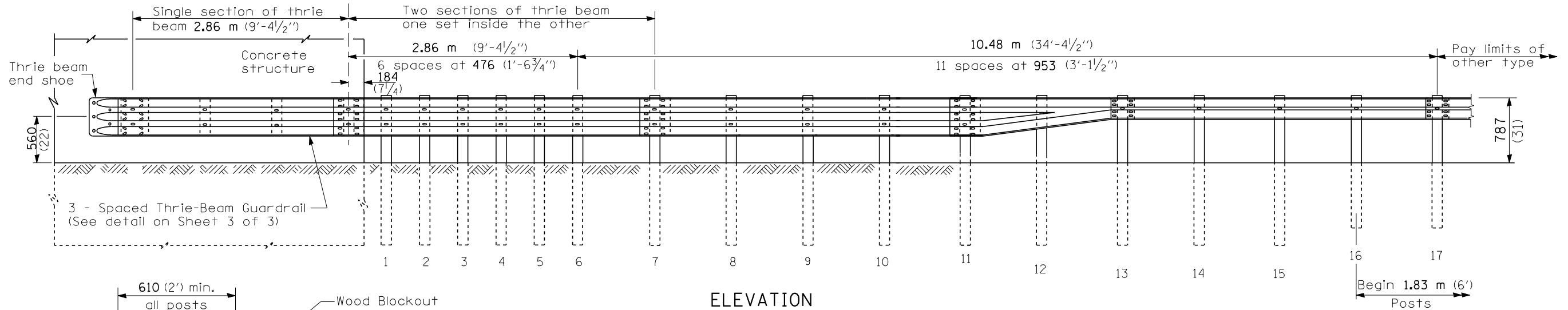
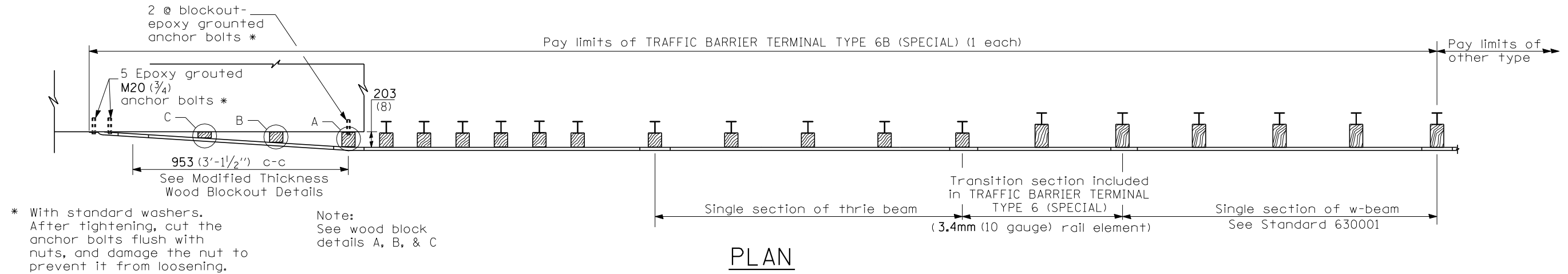
DRAWN BY: CADD
 CHECKED BY:

LOCATION #2 PESOTUM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	47

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL) **STA 744+97 TO STA 745+52**



GENERAL NOTES

See Standard 630001 for details of guardrail not shown.

Thrie beam rail shall be bolted to block-out at all posts.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

SHEET 1 OF 3

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC BARRIER
TERMINAL, TYPE 6B (SPECIAL)
STA 744+97 TO STA 745+52**

SCALE: NA
DATE: 09/27/06

DRAWN BY: CADD
CHECKED BY:

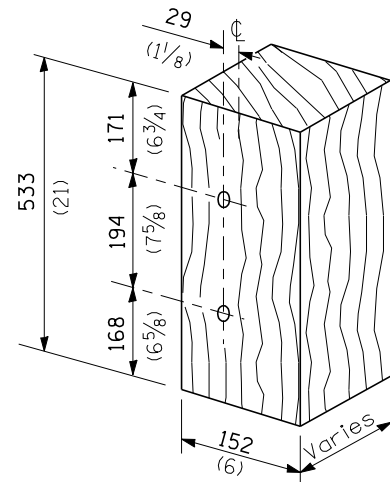
All dimensions are in millimeters (inches) unless otherwise shown.

LOCATION #3 FARMER CITY

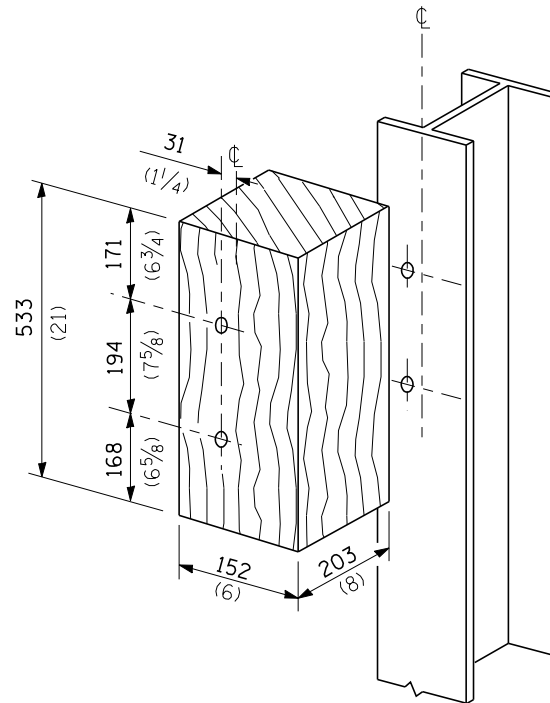
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	48

* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

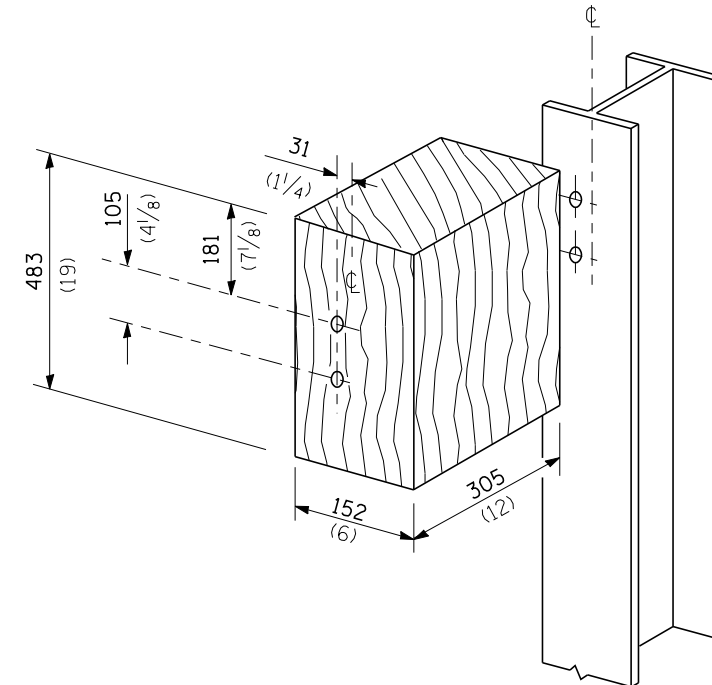
TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL) STA 744 + 97 TO STA 745 + 52



MODIFIED THICKNESS WOOD BLOCKOUT DETAIL

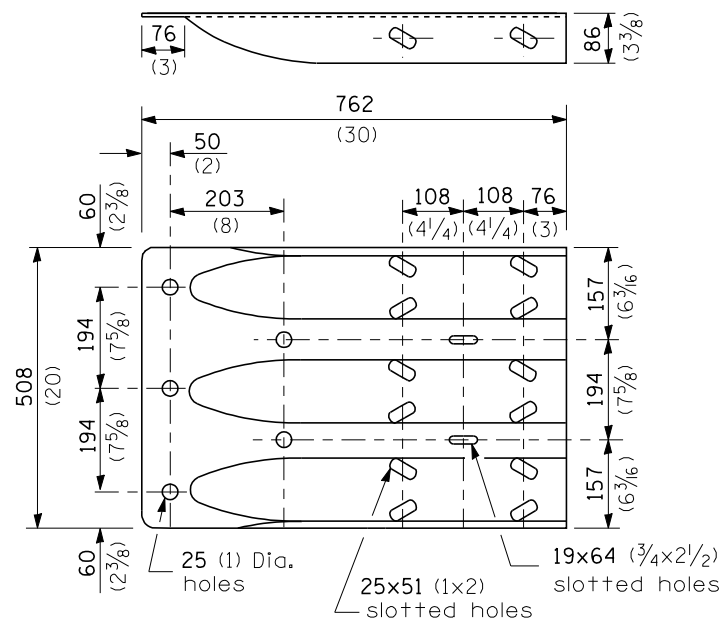


POSTS 1-11 WOOD BLOCKOUT DETAIL

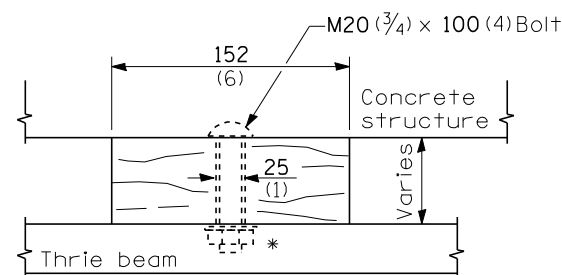


POST 12 WOOD BLOCKOUT DETAIL

(See Standard 630001 for post 13-17 blockouts.)

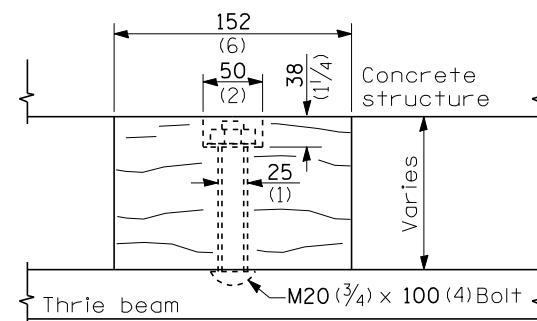


THRIE BEAM END SHOE DETAIL

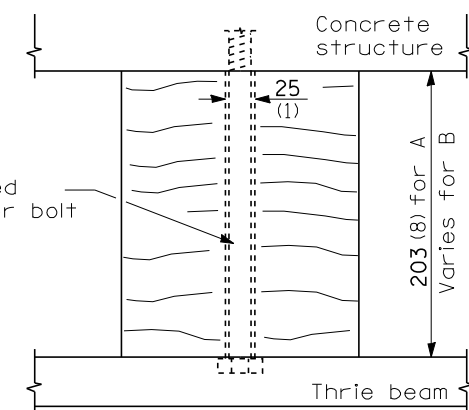


WOOD BLOCKOUT C

Bolt to thrie beam with M20 (3/4) by 100 (4) bolt, washer & nut. Reverse direction of insertion. *



WOOD BLOCKOUT B



WOOD BLOCKOUT A

SHEET 2 OF 3

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC BARRIER
 TERMINAL, TYPE 6B (SPECIAL)
 STA 744 + 97 TO STA 745 + 52**

SCALE: NA
 DATE: 09/27/06

DRAWN BY: CADD
 CHECKED BY:

LOCATION #3 FARMER CITY

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

TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)
STA 744+97 TO STA 745+52



Corrugated sheet thrie beam guardrail shall conform to the current requirements of AASHTO M180 Class B. The section shall be manufactured from sheets with a nominal width of 29½" (750 mm). Corrosion protection shall be Type II (zinc-coated).

LOCATION #3 FARMER CITY

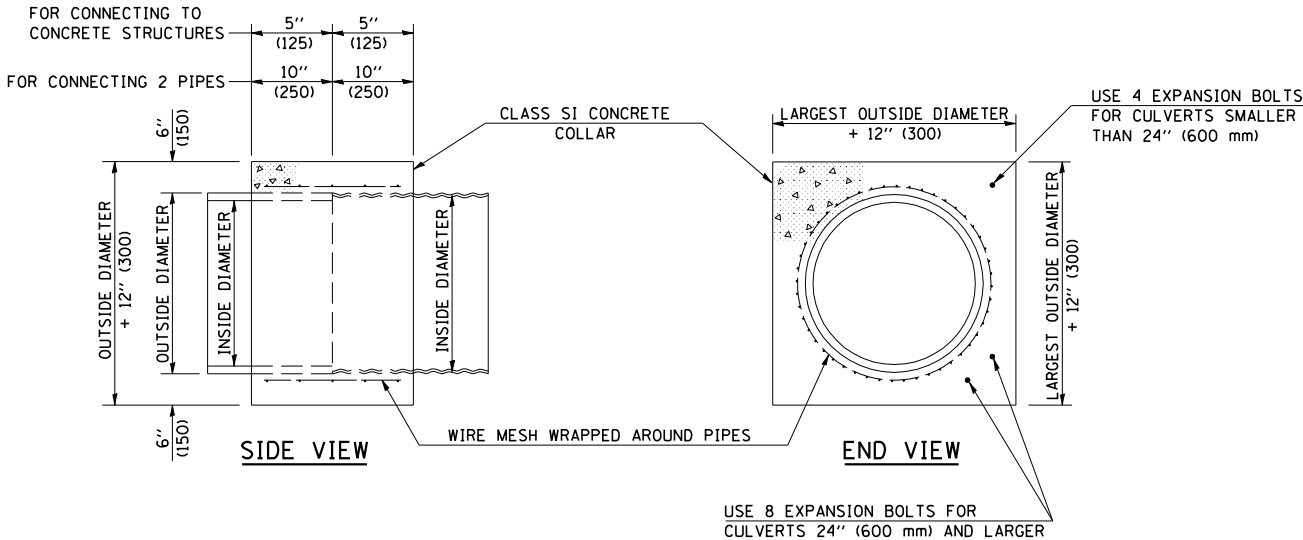
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CONTRACT NO. 70547

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	50

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

DETAIL OF CONCRETE COLLARS



QUANTITIES FOR CONCRETE PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU. YD. (m ³)
4" (100)	0.14 (0.11)
6" (150)	0.16 (0.12)
8" (200)	0.19 (0.14)
10" (250)	0.22 (0.17)
12" (300)	0.25 (0.19)
15" (375)	0.30 (0.23)
18" (450)	0.35 (0.27)
24" (600)	0.45 (0.35)
30" (750)	0.57 (0.43)
36" (900)	0.69 (0.53)
42" (1050)	0.83 (0.63)
48" (1200)	0.97 (0.74)
54" (1350)	1.12 (0.86)
60" (1500)	1.28 (0.98)

QUANTITIES FOR METAL PIPES	
INSIDE DIAMETER OF PIPE	ESTIMATED CLASS SI CONCRETE REQUIRED
INCH (mm)	20" (500 mm) WIDTH CU. YD. (m ³)
4" (100)	0.12 (0.09)
6" (150)	0.14 (0.11)
8" (200)	0.16 (0.12)
10" (250)	0.19 (0.14)
12" (300)	0.21 (0.16)
15" (375)	0.25 (0.19)
18" (450)	0.29 (0.22)
24" (600)	0.38 (0.29)
30" (750)	0.47 (0.36)
36" (900)	0.59 (0.45)
42" (1050)	0.69 (0.53)
48" (1200)	0.81 (0.62)
54" (1350)	0.93 (0.71)
60" (1500)	1.05 (0.81)

GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. WHEN CONCRETE COLLARS ARE USED TO CONNECT PIPES OF DIFFERENT OUTSIDE DIAMETERS, THE CONCRETE COLLAR SHALL BE FORMED USING THE LARGEST OUTSIDE DIAMETER (SEE END VIEW).
3. THE WIRE MESH SHALL WEIGH NOT LESS THAN 54#/100 SQ. FT. (2.63 kg/m²).
4. WHEN CONCRETE COLLARS ARE CONSTRUCTED ADJACENT TO AN EXISTING CONCRETE STRUCTURE (HEADWALLS, ETC.) EXPANSION BOLTS, SHALL BE USED AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, EACH, FOR EXPANSION BOLTS OF THE SIZE SPECIFIED IN THE PLANS.
5. CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE, PER CUBIC YARD (CUBIC METER), FOR CONCRETE COLLARS INCLUDING ALL MATERIAL AND LABOR SPECIFIED TO COMPLETE THE WORK IN PLACE.

	NAME	DATE	REVISIONS	
DESIGNED	J.M.H.	4-80	NAME	DATE
CHECKED	P.E.K.	4-80	D.L.P.	08/00
CADD NO.	J-5,45		K.A.G.	09/03

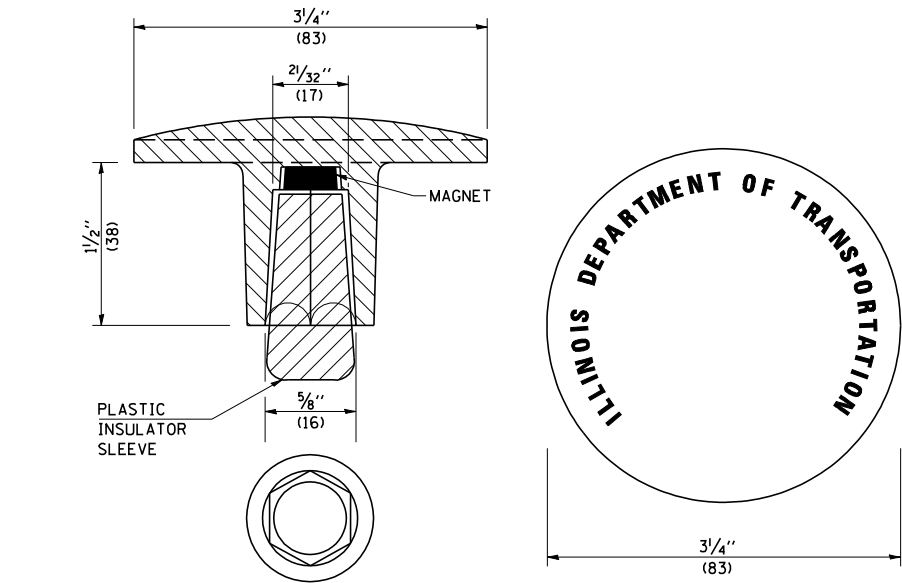
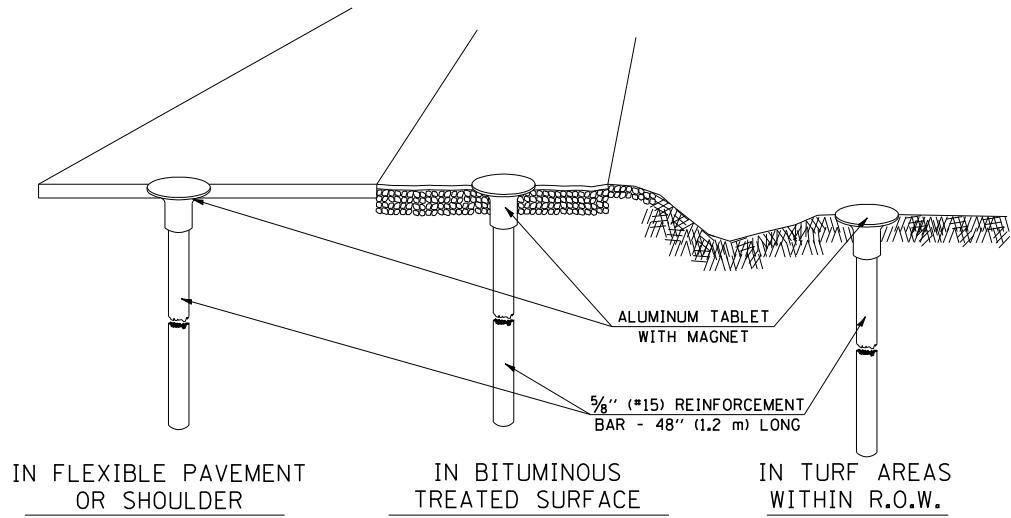
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	51

* D5 CABLE GUARD 2007-2
** CHAMPAIGN, DEWITT & DOUGLAS

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

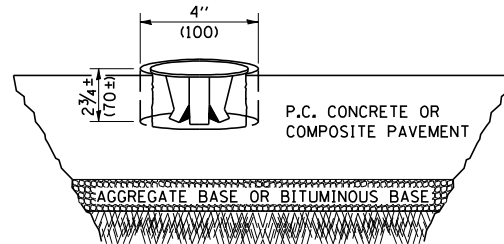
1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1, (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE SURVEY MARKER.
2. ALL SURVEY MARKERS, TYPE 1, (SPECIAL) SHALL BE PLACED $\pm 1/4$ " (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE 1, (SPECIAL).

	NAME	DATE	REVISIONS	
DESIGNED	AWH	8/17/91	NAME	DATE
CHECKED	PEK	8/17/91	D.L.P.	10-96
CADD NO.	D-1.05		K.A.G.	08-04

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

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

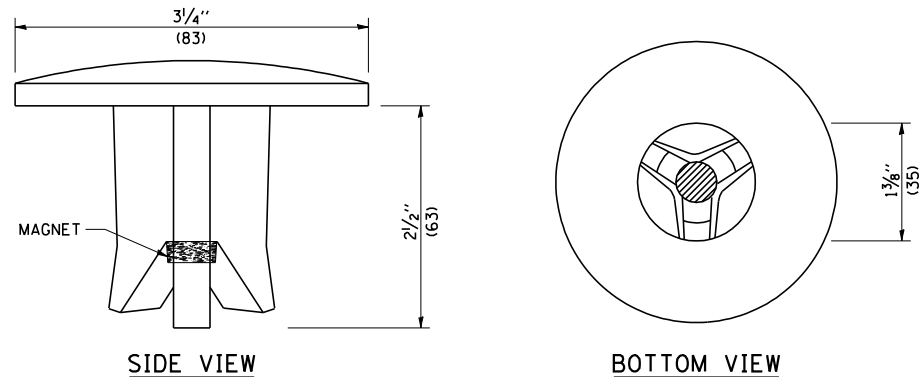
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3/4" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2 1/2" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%.
STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa);
TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)].
SPECIFICATIONS: ALLOY 535.0; 00-A-60IES.
NO EXCEPTIONS.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND ALL LABOR AND MATERIAL TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED $\pm 1/4$ " (6 mm) BELOW THE FINAL SURFACE.

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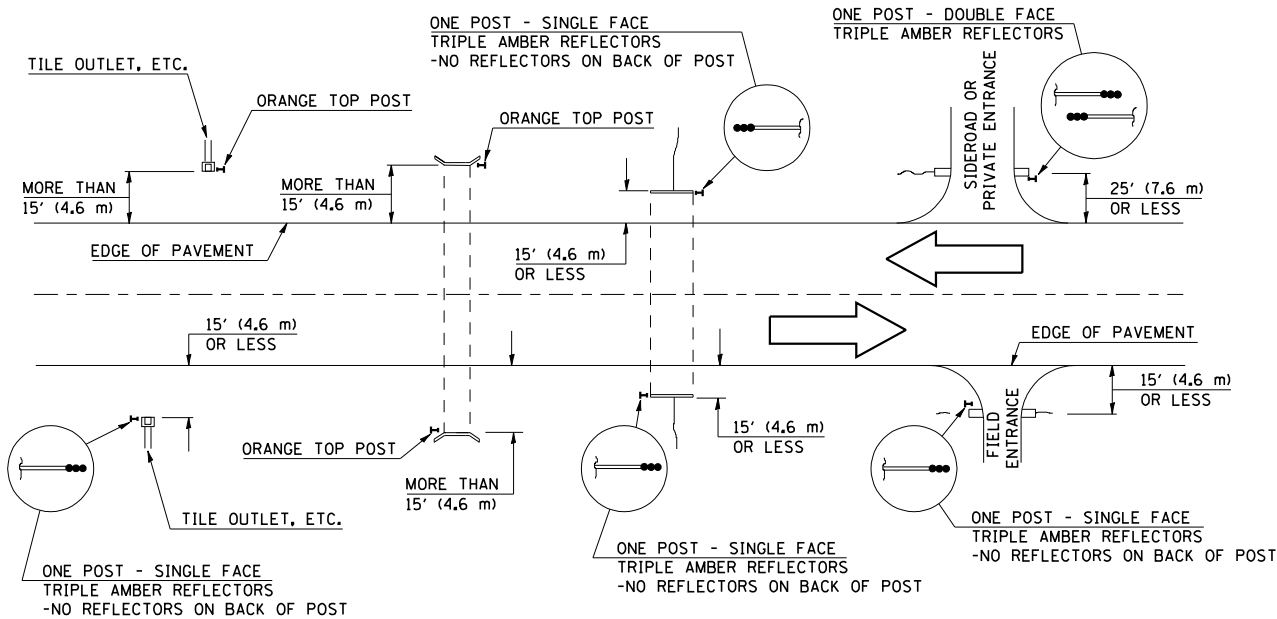
CONTRACT NO. 70547

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	52

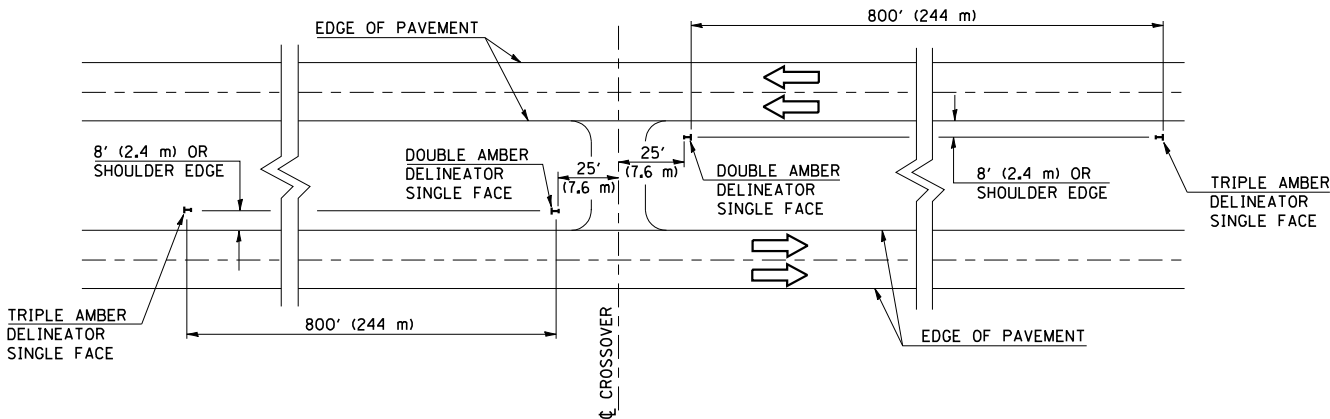
* D5 CABLE GUARD 2007-2
* * CHAMPAIGN, DEWITT & DOUGLAS

DELINEATORS APPLICATIONS

IDENTIFICATION OF ROADSIDE HAZARDS FOR TWO-LANE ROADWAYS



MEDIAN DELINEATORS AT CROSSOVER (FOR INTERSTATES, EXPRESSWAYS, DUAL HIGHWAYS)



NOTES

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE THERE IS NO GUARDRAIL, OR OTHER PERMANENT BARRIER, ON THE SAME SIDE OF ROAD AS THE HAZARD.

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE DELINEATORS ARE NOT IN PLACE ALONG THE EDGE OF SHOULDER.

EACH POST SHALL BE CONSIDERED AS ONE DELINEATOR FOR PAYMENT, REGARDLESS OF THE NUMBER OF DELINEATORS ATTACHED TO IT.

POSTS INDICATED AS "ORANGE TOP" SHALL HAVE NO REFLECTORS. THEY SHALL HAVE THE TOP 12" (300 mm) (MINIMUM) OF THE POST PAINTED A BRIGHT ORANGE COLOR SIMILAR TO CONSTRUCTION SIGNS, AND SHALL MEET THE APPROVAL OF THE ENGINEER. FLUORESCENT PAINT OR OTHER SPECIAL RETROREFLECTIVE COATINGS WILL NOT BE REQUIRED.

FOR ONE-WAY ROADWAYS THE APPLICATION SHALL BE SIMILAR WITH DELINEATORS PLACED ON THE TRAFFIC APPROACH SIDE OF HAZARDS AND OBJECTS. ONLY SINGLE FACE DELINEATORS WILL BE REQUIRED ON ONE-WAY ROADWAYS.

FOR OTHER DELINEATOR APPLICATIONS, REFER TO STANDARD 635001.

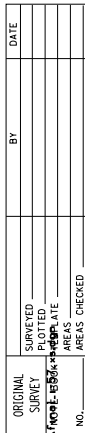
BILL OF MATERIALS

DELINEATOR TYPE	SINGLE FACE	DOUBLE FACE	NO REFLECTOR	TOTAL DELINEATORS
SINGLE CRYSTAL		N/A	N/A	
DOUBLE CRYSTAL			N/A	
SINGLE AMBER			N/A	
DOUBLE AMBER		N/A	N/A	
TRIPLE AMBER			N/A	
ORANGE TOP	N/A	N/A		
			TOTAL	

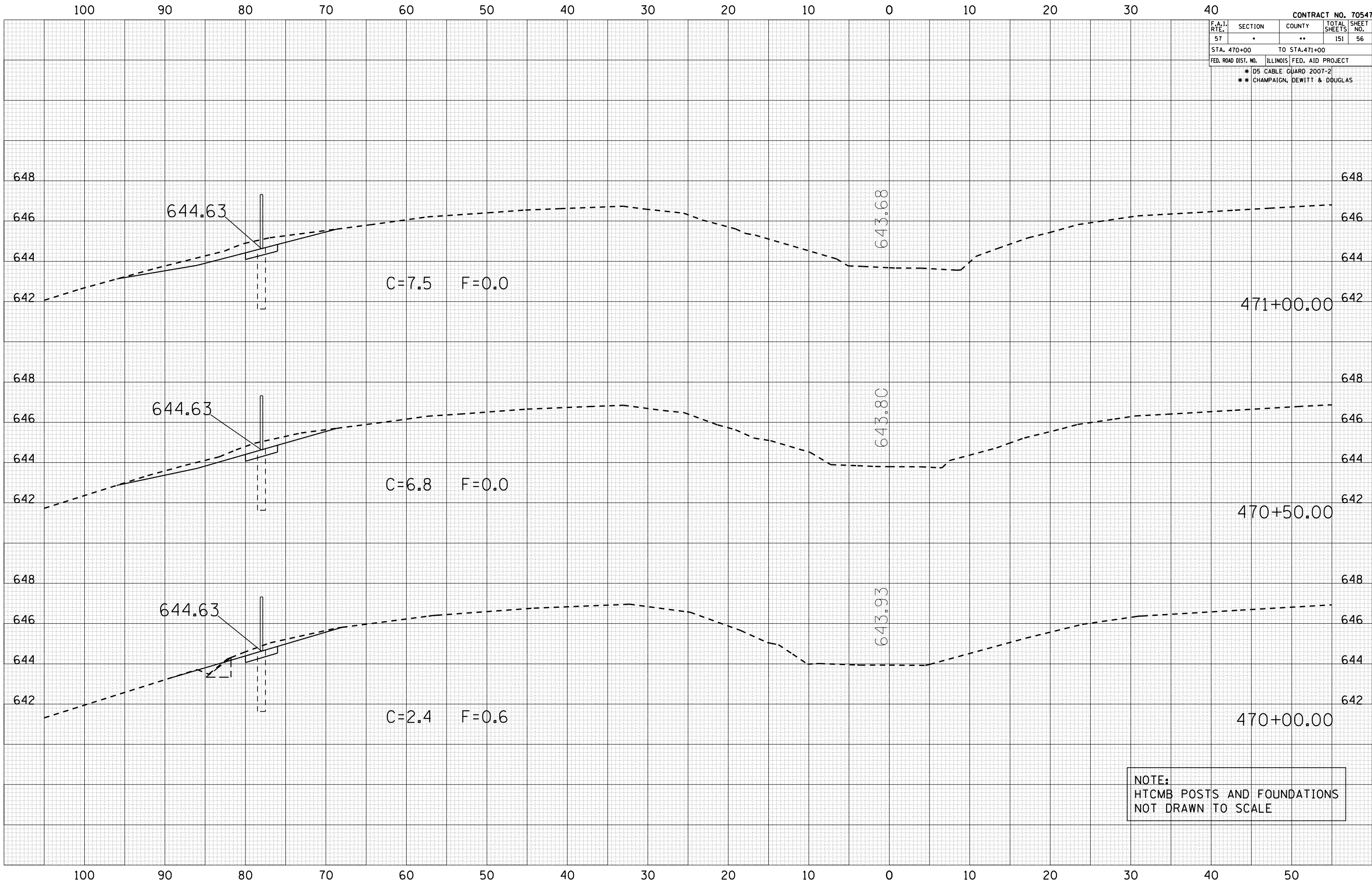
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CADD NO.	F-5.13		

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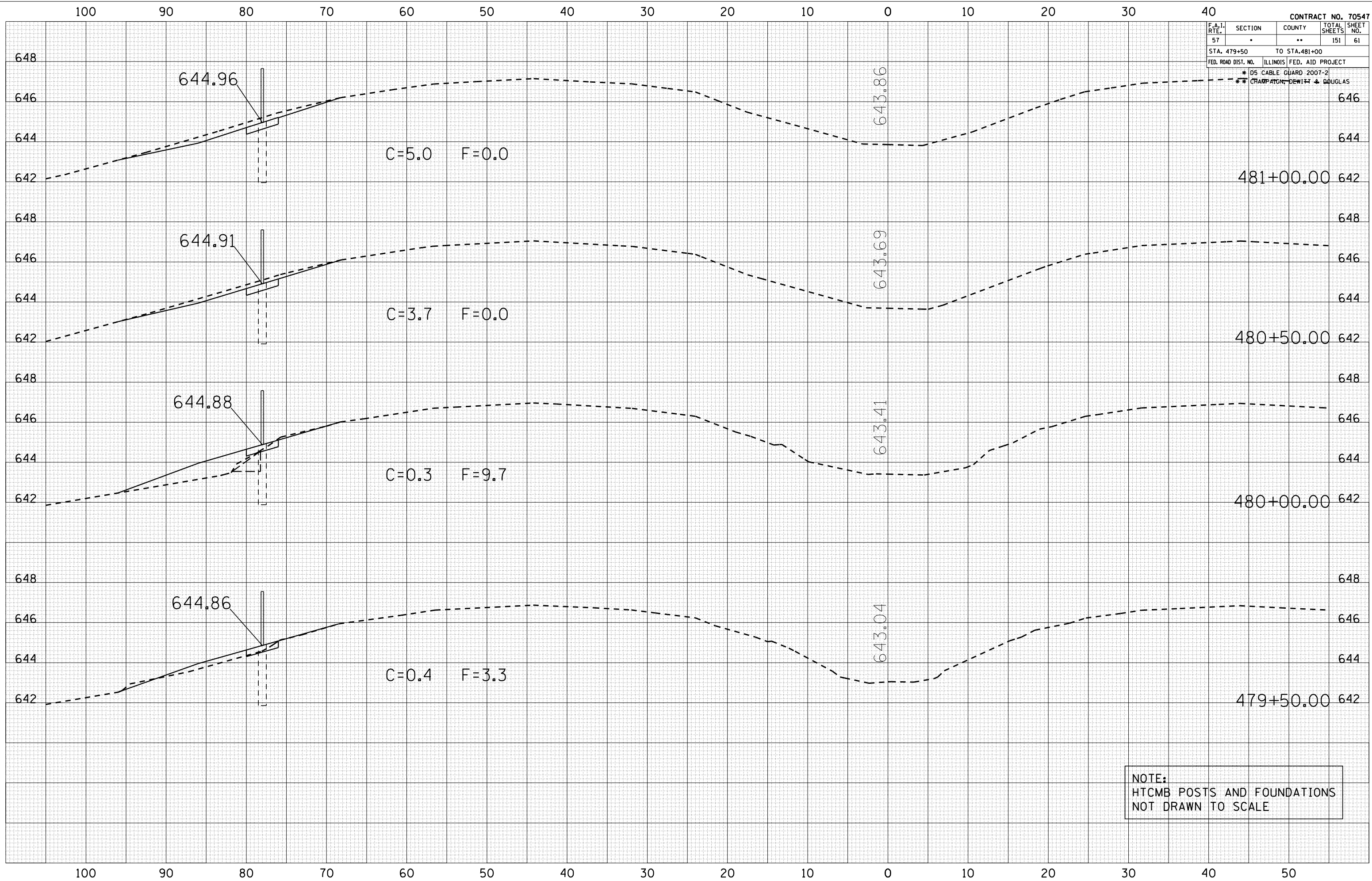
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*	D5 CABLE GUARD 2007-2			
**	CHAMPAIGN, DEWITT & DOUGLAS			



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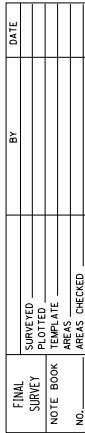
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STA. 479+50		TO STA.481+00		
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* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



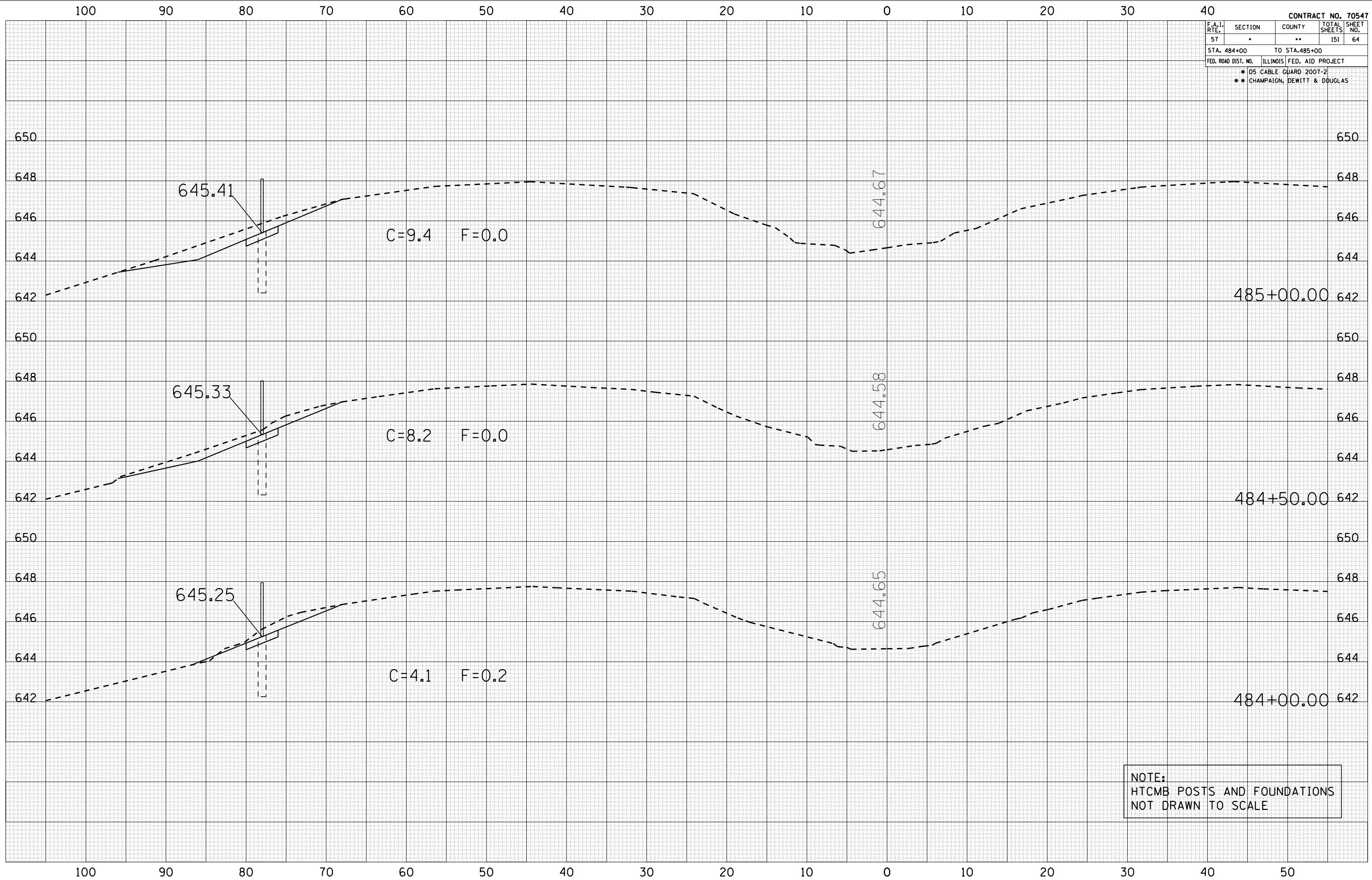
NOTE: HTCMB POSTS AND FOUNDATIONS NOT DRAWN TO SCALE

CROSS SECTIONS LOCATION #1 TUSCOLA

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	64
STA. 484+00		TO STA.485+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* 05 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



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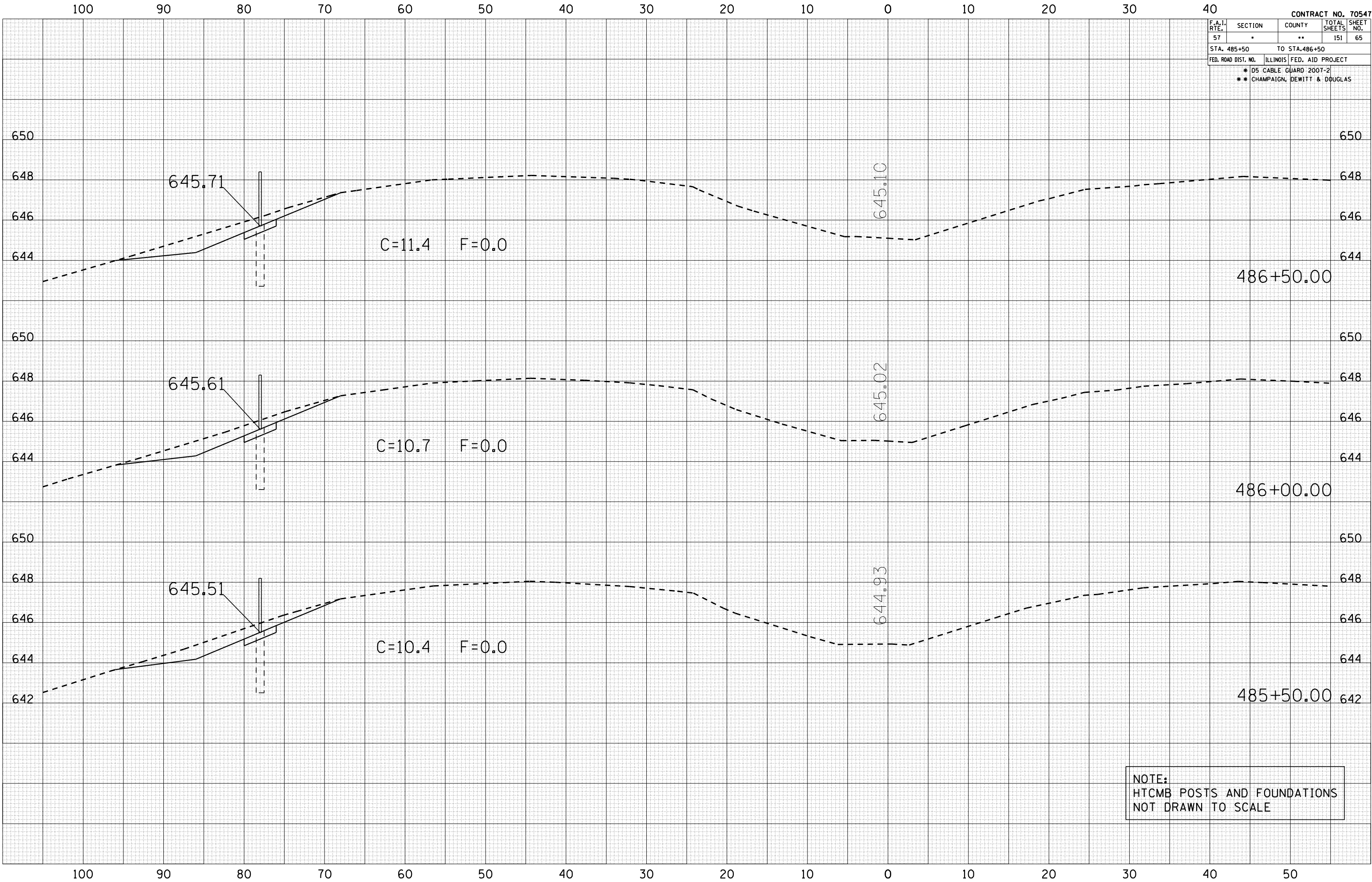


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FINAL					
SURVEY					
NOTE BOOK					
NO.					

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

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	.	..	151	65
STA. 485+50 TO STA.486+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

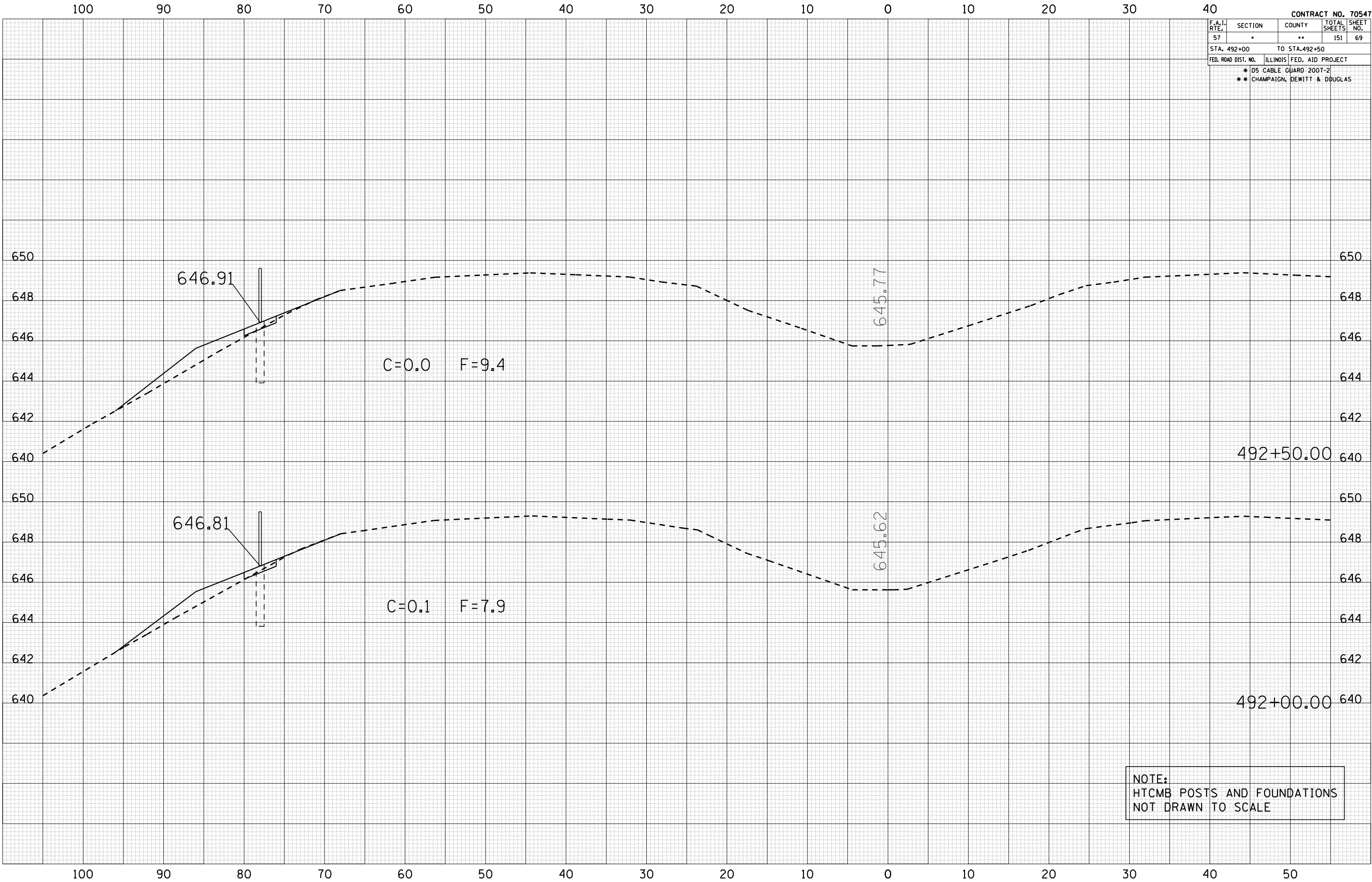


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NOTE BOOK					
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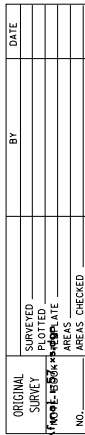
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STA. 492+00		TO STA.492+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

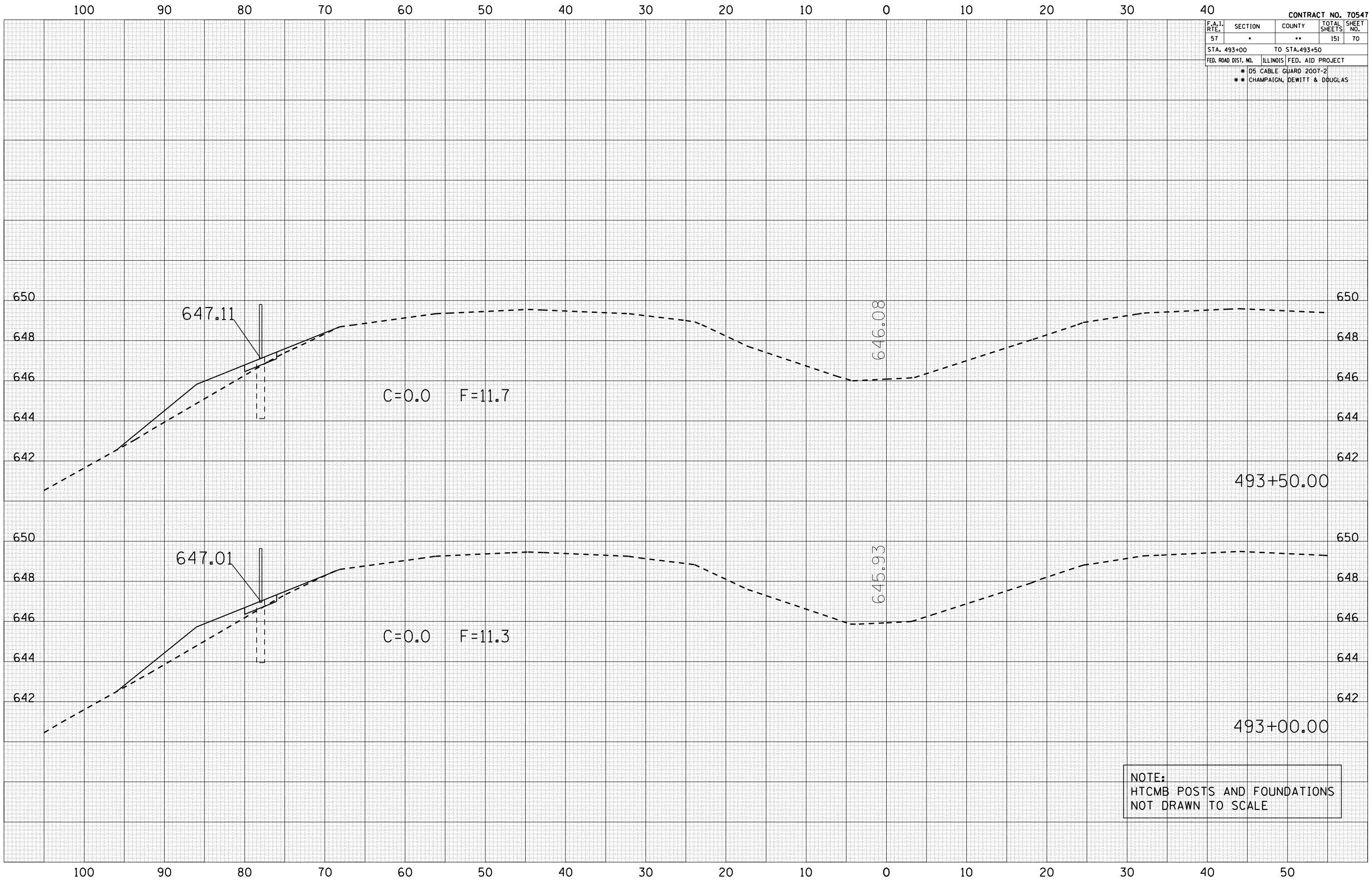
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*	D5 CABLE GUARD 2007-2			
**	CHAMPAIGN, DEWITT & DOUGLAS			



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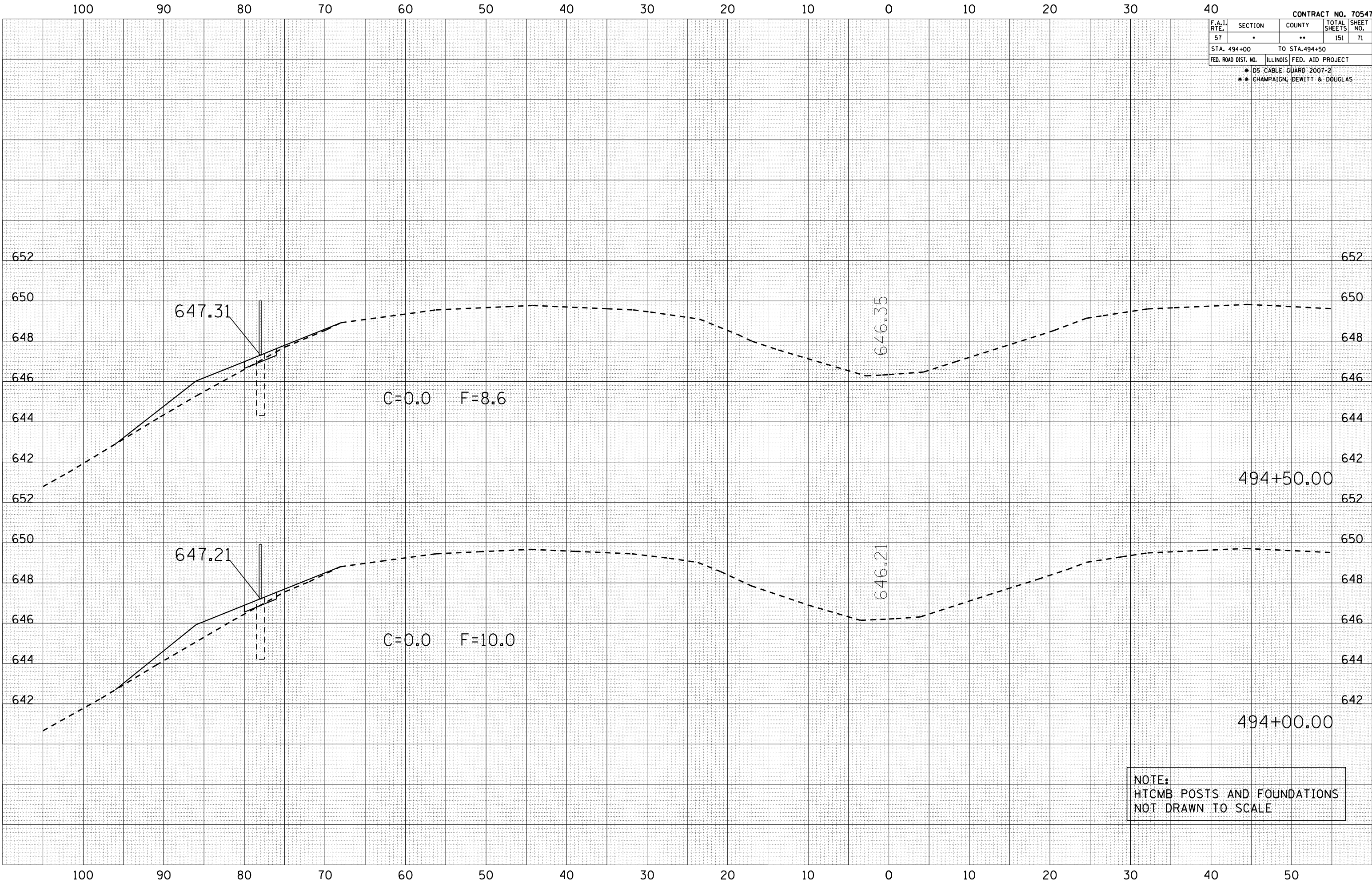


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SURVEY					
NOTE BOOK					
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NOTE BOOK					
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CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	.	..	151	71
STA. 494+00		TO STA.494+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*		D5 CABLE GUARD 2007-2		
**		CHAMPAIGN, DEWITT & DOUGLAS		



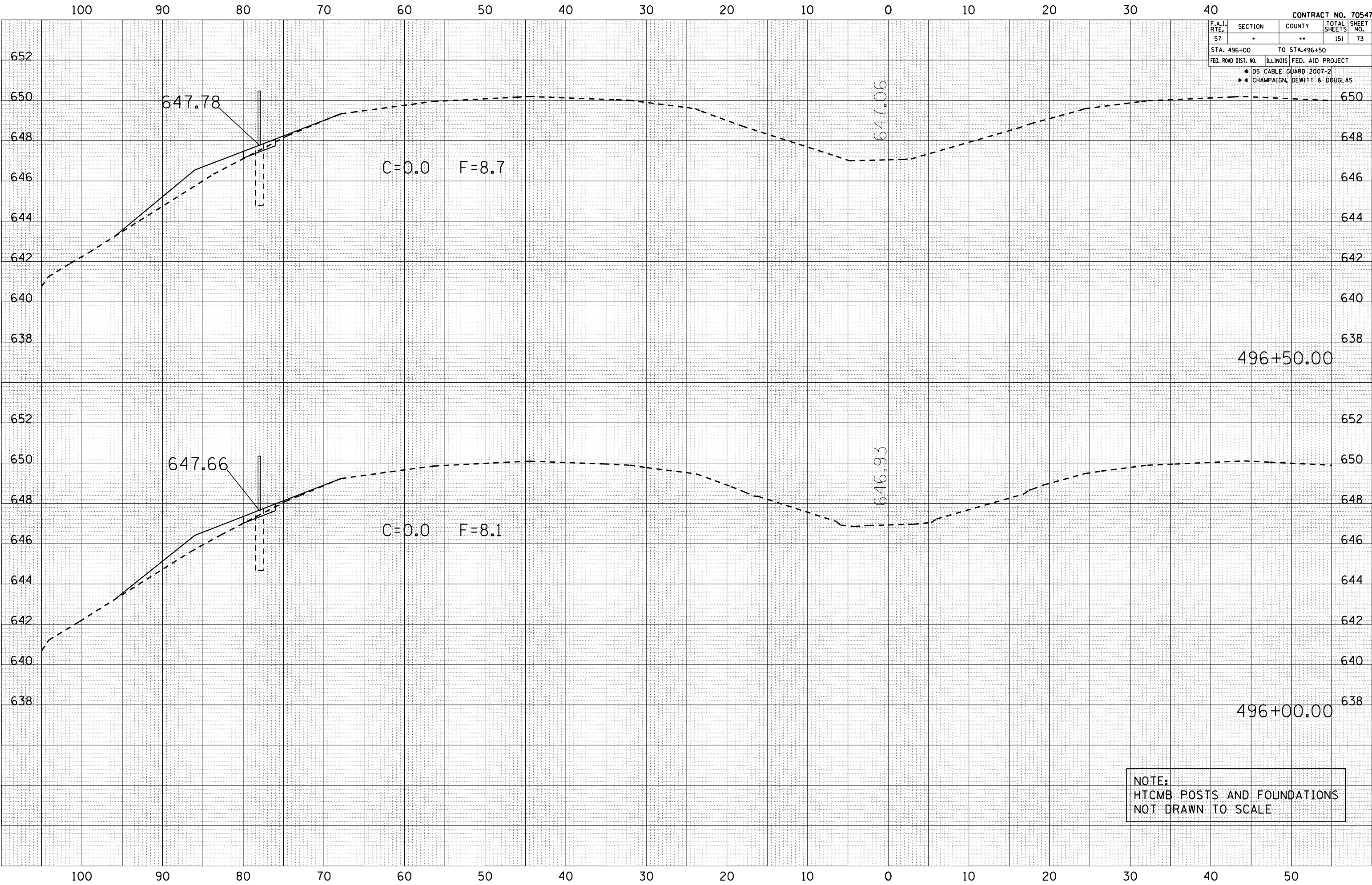
NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

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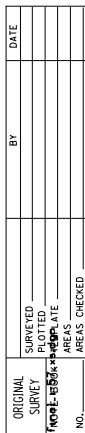
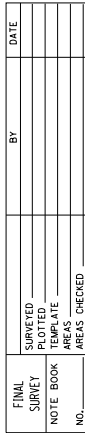
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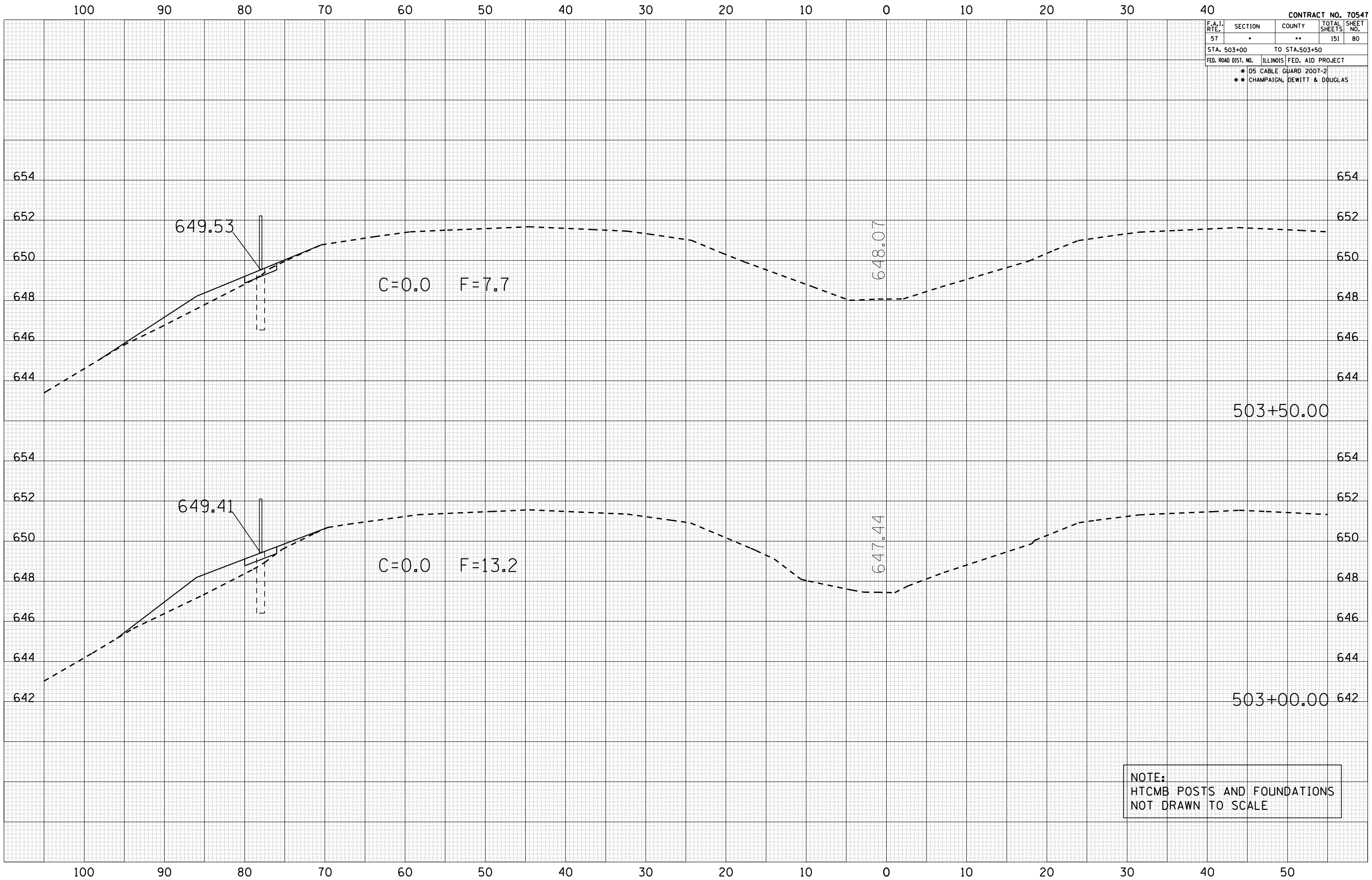
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STA. 496+00		TO STA.496+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* D5 CABLE		GUARD 2007-2		
** CHAMPAIGN,		DEWITT & DOUGLAS		



CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	80
STA. 503+00		TO STA.503+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		* 05 CABLE GUARD 2007-2		
		** CHAMPAIGN, DEWITT & DOUGLAS		



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FINAL SURVEY	NO. _____	BY _____	DATE _____	SURVEYED _____
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				INSTRUMENT _____
				REMARKS _____
				AREAS CHECKED _____

ORIGINAL SURVEY	NO. _____	BY _____	DATE _____	SURVEYED _____
				PLOTTED _____
				INSTRUMENT _____
				REMARKS _____
				AREAS CHECKED _____

PLOT DATE = 10/20/2006
FILE NAME = I:\GIS\Tuscola\Tuscola.dwg
PLOT SCALE = 10.5682' = 1" IN.
USER NAME = phillips_jr

100

90

80

70

60

50

40

30

20

10

0

10

20

30

40

CONTRACT NO. 70547

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	.	..	151	81

STA. 504+00	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
* D5 CABLE GUARD 2007-2	
** CHAMPAIGN, DEWITT & DOUGLAS	

654

652

650

648

646

644

C=0.0

F=0.0

648.26

504+00.00

654

652

650

648

646

644

100

90

80

70

60

50

40

30

20

10

0

10

20

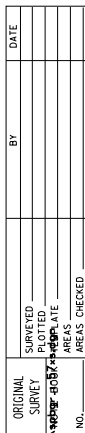
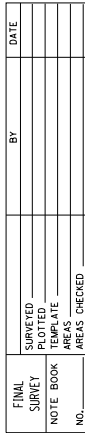
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40

50

CROSS SECTIONS LOCATION #1 TUSCOLA

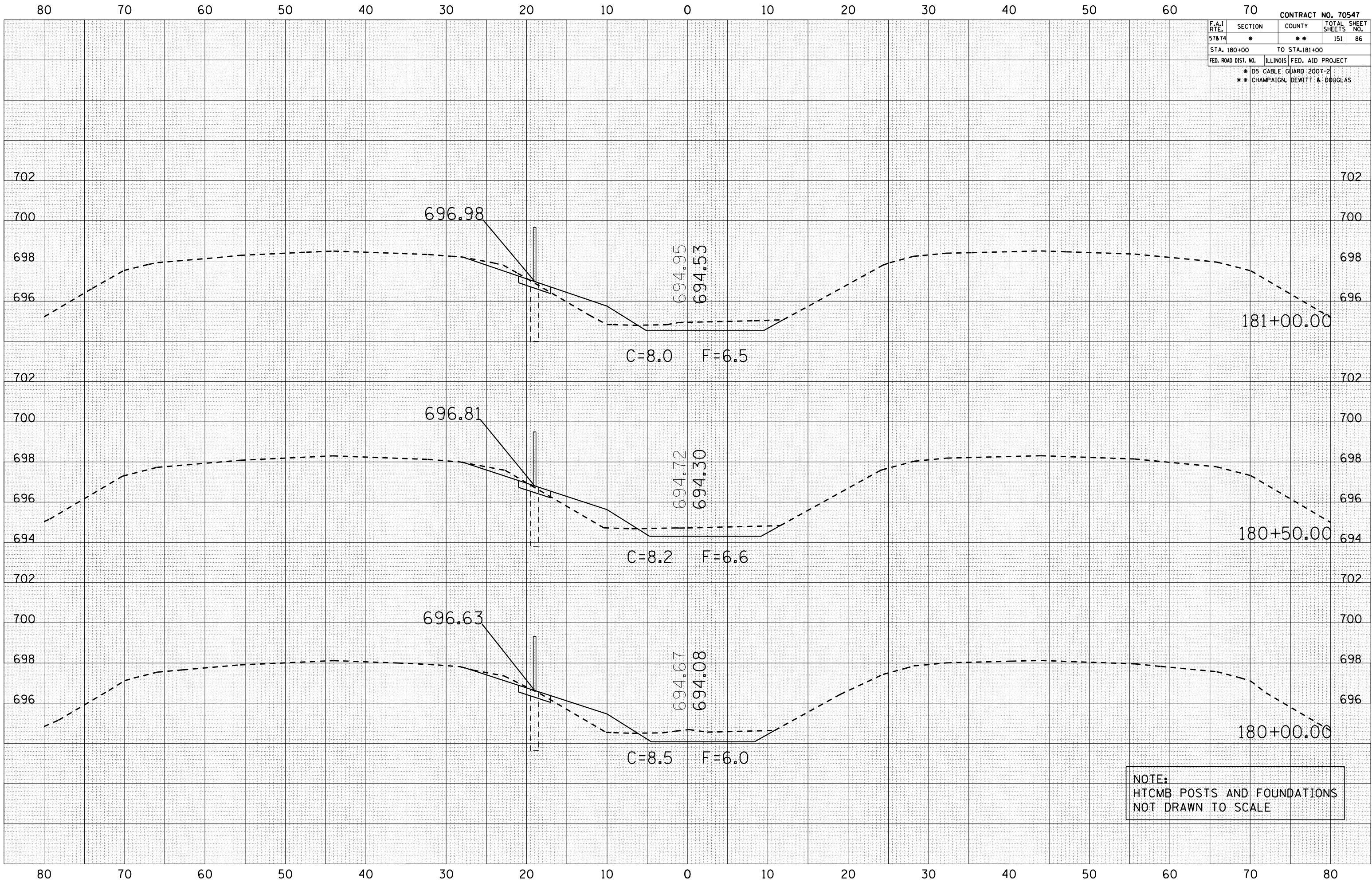
F.A.I RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74		*	**	151	86
STA. 180+00			TO STA.181+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		
* D5 CABLE GUARD 2007-2					
** CHAMPAIGN, DEWITT & DOUGLAS					



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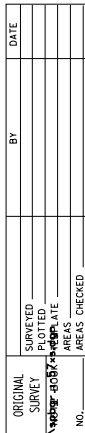
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USER NAME = phillips,jr

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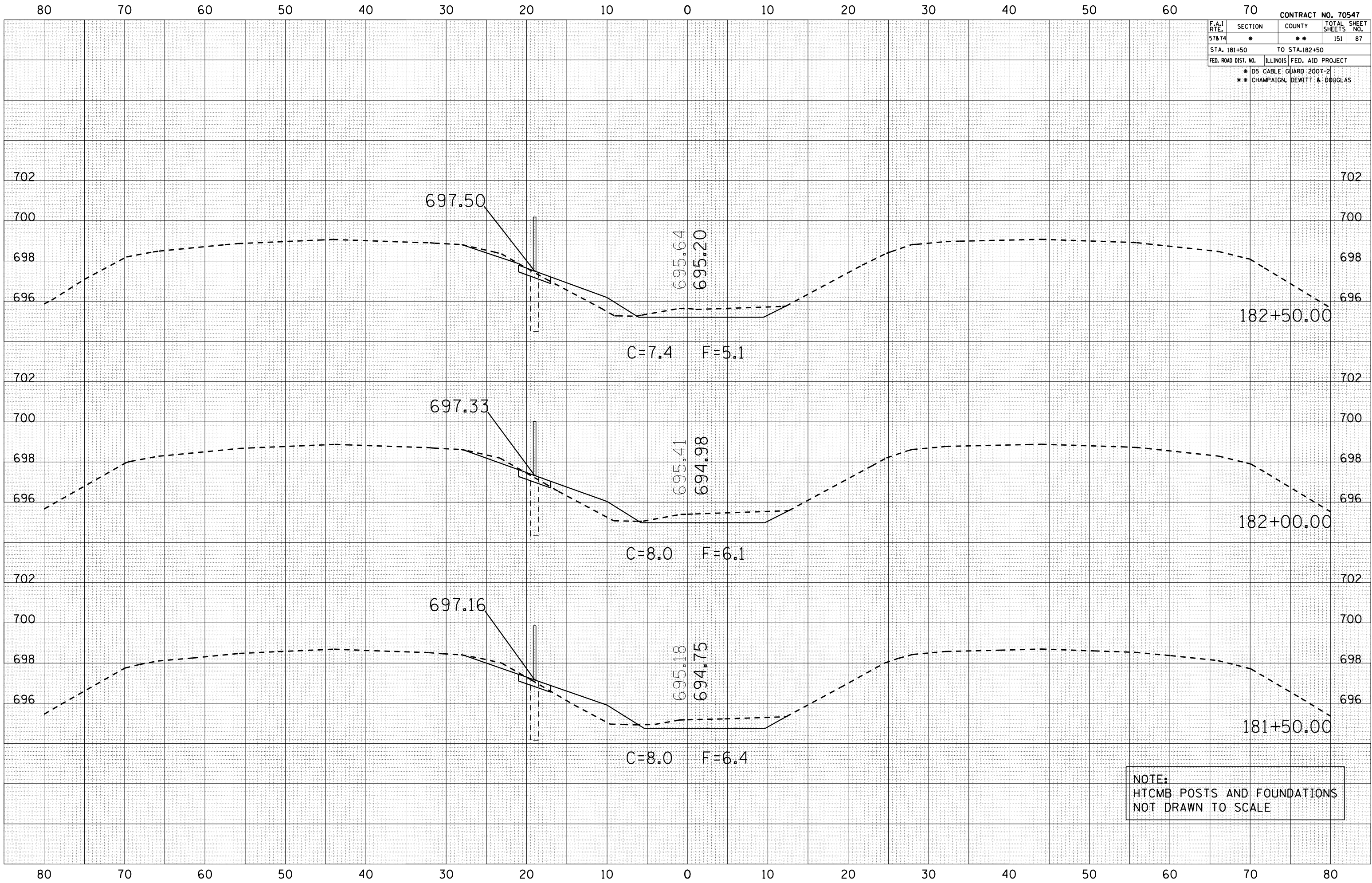


NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	87
STA. 181+50 TO STA.182+50				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*		D5 CABLE GUARD 2007-2		
**		CHAMPAIGN, DEWITT & DOUGLAS		



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PLOT DATE = 10/30/2006
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PLOT SCALE = 10.5882 ' / IN.
USER NAME = phillipsjr
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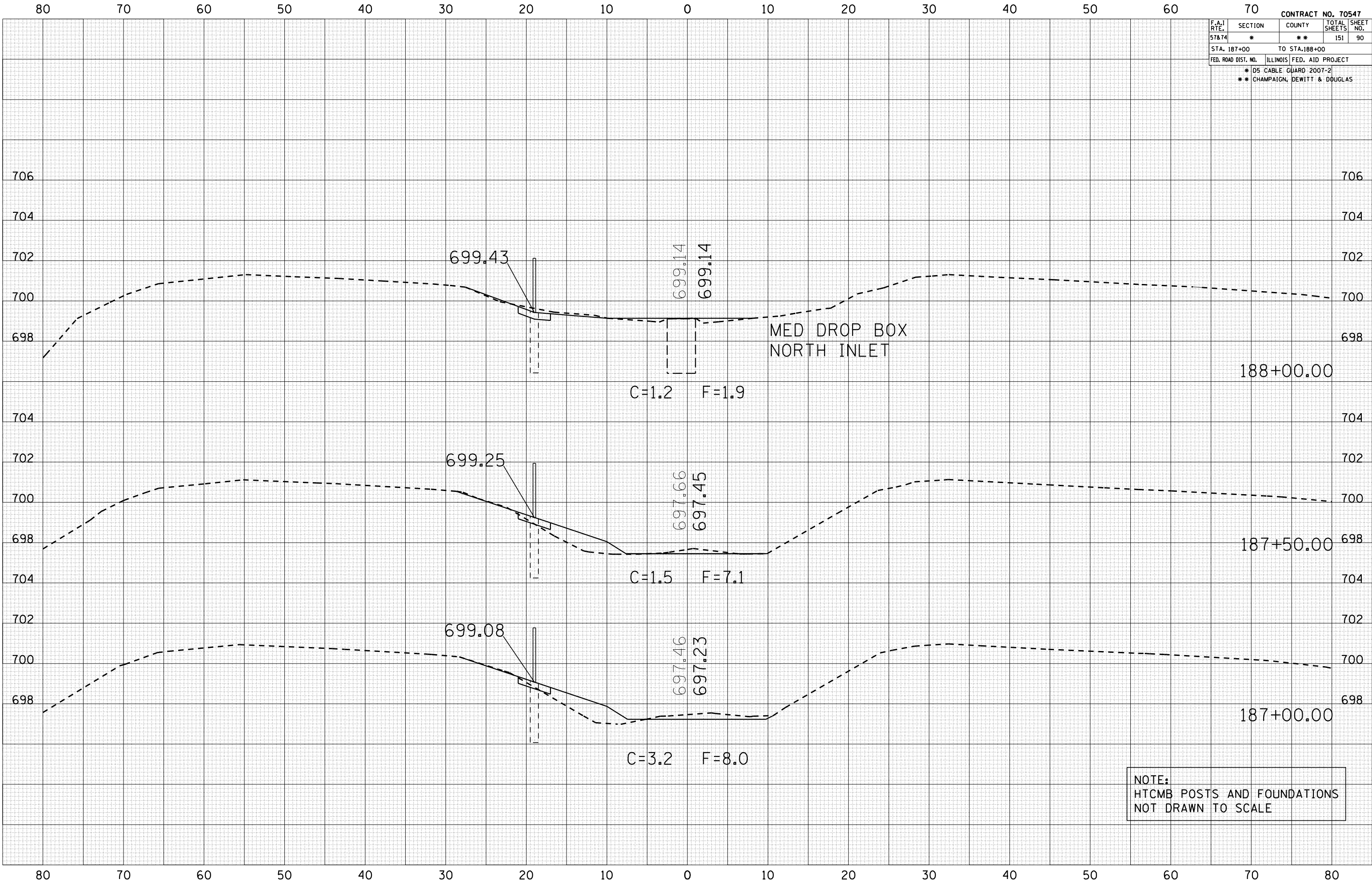
NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

DATE	BY
SURVEYED	
PLOTTED	
NOTED	
NO.	

DATE	BY
SURVEYED	
PLOTTED	
NOTED	
NO.	

PLOT DATE : 10/20/2006
FILE NAME : 10.5582
PLOT SCALE : 1/8" = 1'-0"
USER NAME : phillips

CONTRACT NO. 70547				
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	90
STA. 187+00		TO STA.188+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



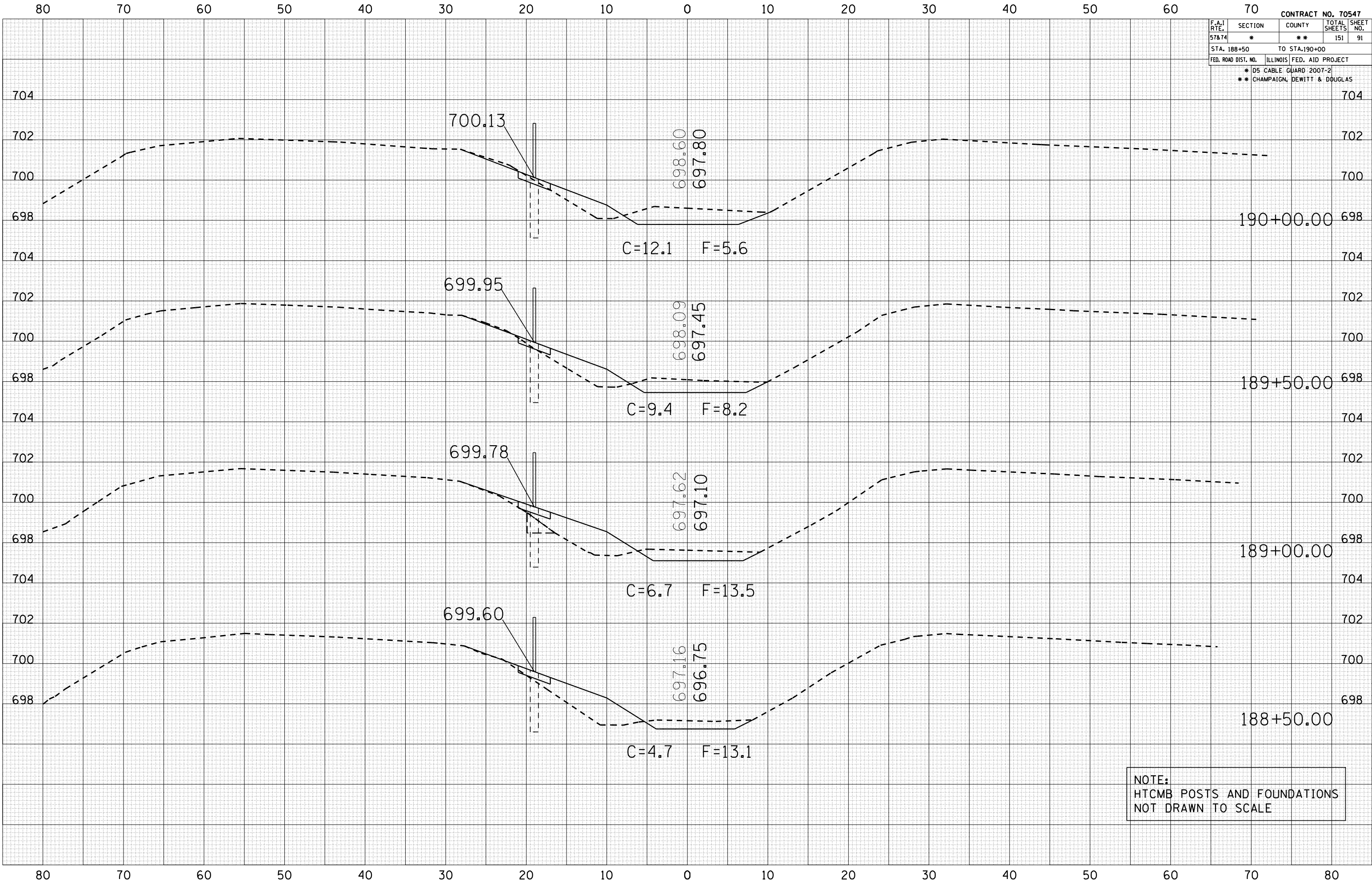
NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

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

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

PLOT DATE = 10/20/2006
FILE NAME = I:\0606106
PLOT SCALE = 10.5682' IN.
USER NAME = phillips_jr

CONTRACT NO. 70547				
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	91
STA. 188+50		TO STA.190+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
	* D5 CABLE	GUARD 2007-2		
	** CHAMPAIGN,	DEWITT & DOUGLAS		



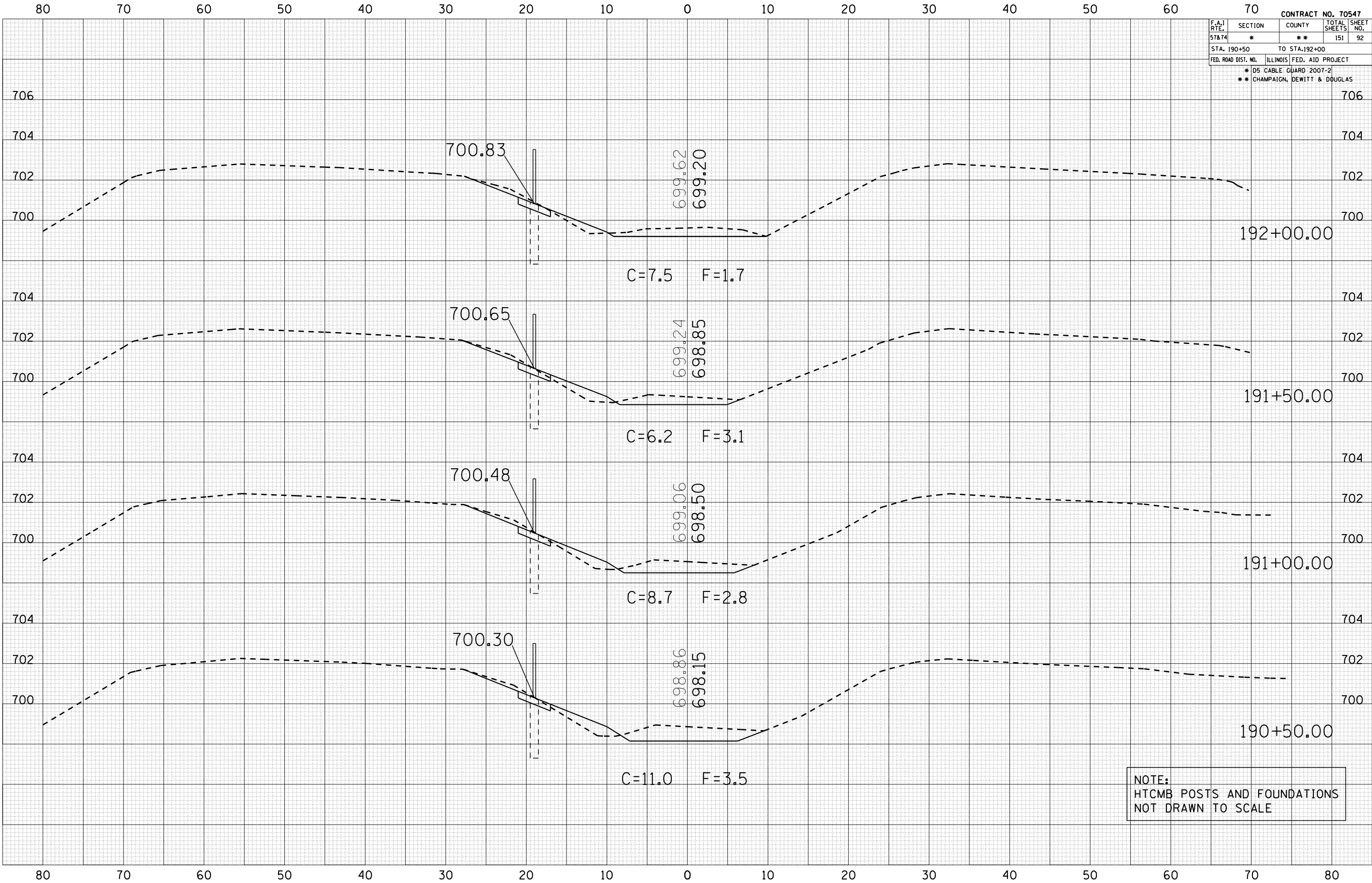
NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

DATE	BY
SURVEYED	
PLOTTED	
DATE	
NO.	

DATE	BY
SURVEYED	
PLOTTED	
DATE	
NO.	

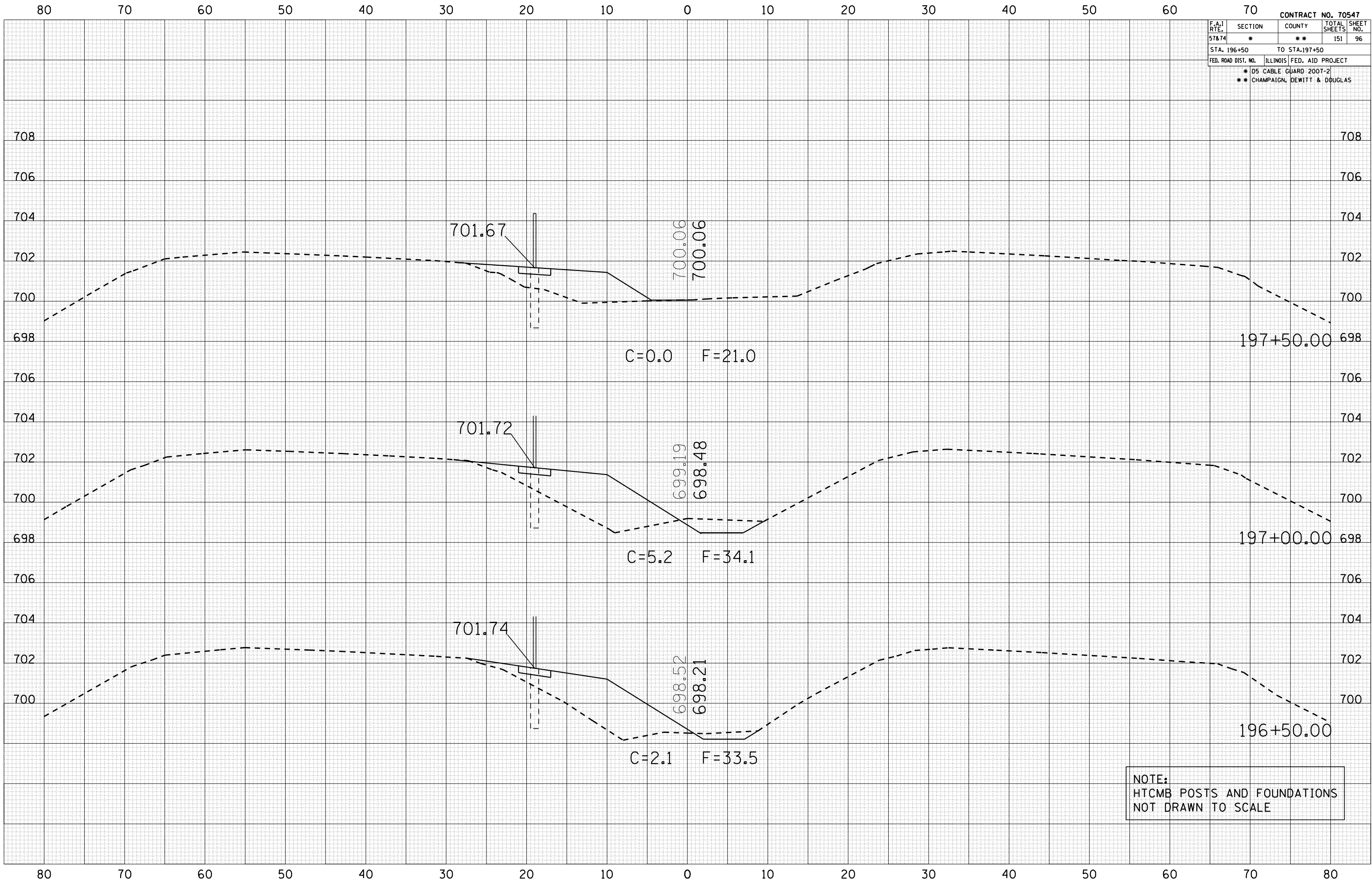
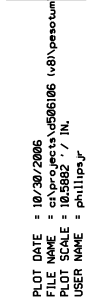
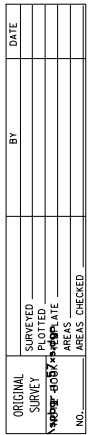
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FILE NAME : 10.5582
PLOT SCALE : 1/4" = 10.5582'
USER NAME : phillips

CONTRACT NO. 70547				
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	92
STA. 190+50		TO STA.192+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

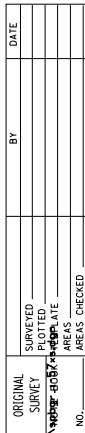


NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	96
STA. 196+50		TO STA.197+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*	D5 CABLE GUARD 2007-2			
**	CHAMPAIGN, DEWITT & DOUGLAS			



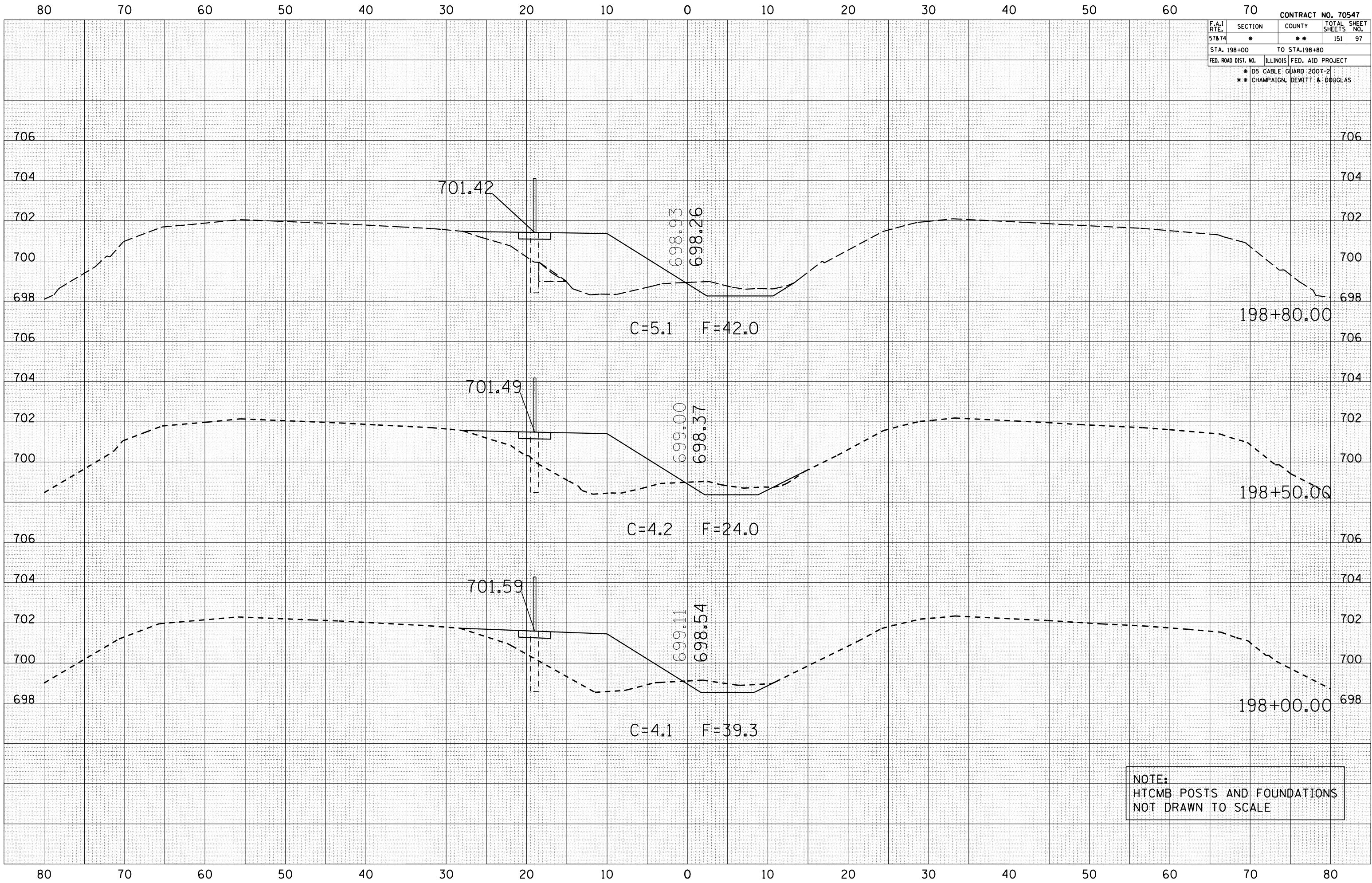
F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	97
STA. 198+00		TO STA.198+80		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*	D5 CABLE GUARD 2007-2			
**	CHAMPAIGN, DEWITT & DOUGLAS			



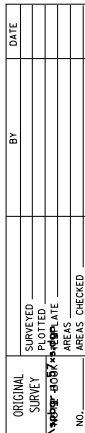
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PLOT SCALE  = 10.5882 ' /
USER NAME   = phillips jr

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F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	99
STA. 200+50		TO STA.201+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*	D5 CABLE GUARD 2007-2			
**	CHAMPAIGN, DEWITT & DOUGLAS			



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PLOT DATE = 10/30/2006
FILE NAME = c:\projects\
PLOT SCALE = 10.5882 ' /
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