

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

FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 7 - 8

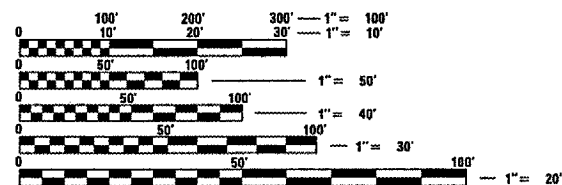
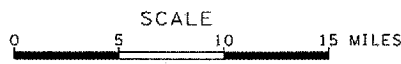
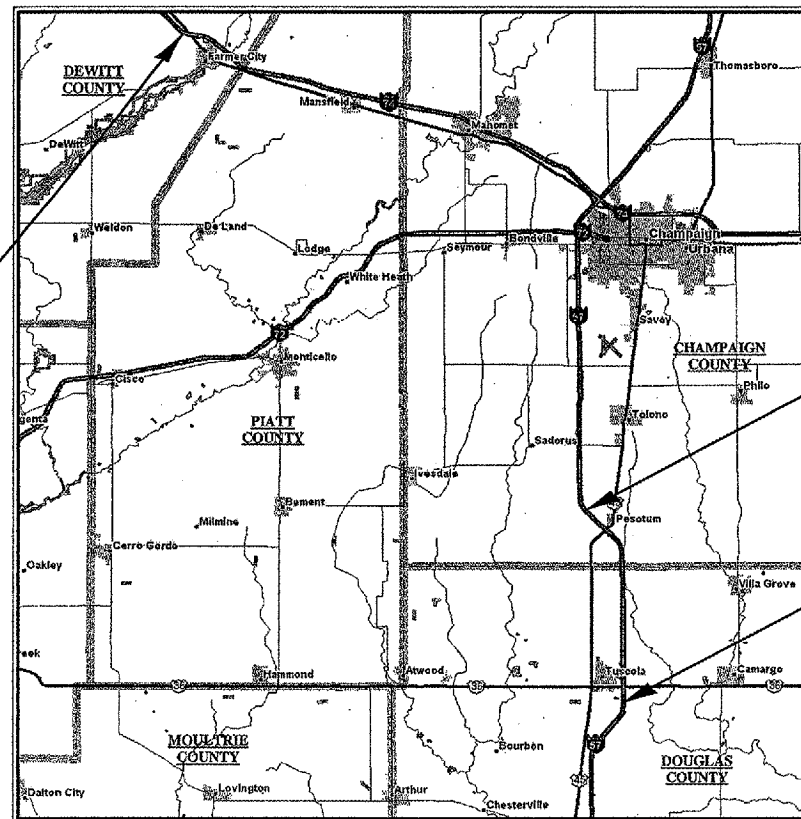
CURRENT ADT

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



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

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

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

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

PROJECT ENGINEER: TIM BRANDENBURG (217)465-4181

SQUAD LEADER: TODD BLACK

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	2

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

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5	LOCATION MAP #3 (I-74 FARMER CITY)
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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 SPBGR 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

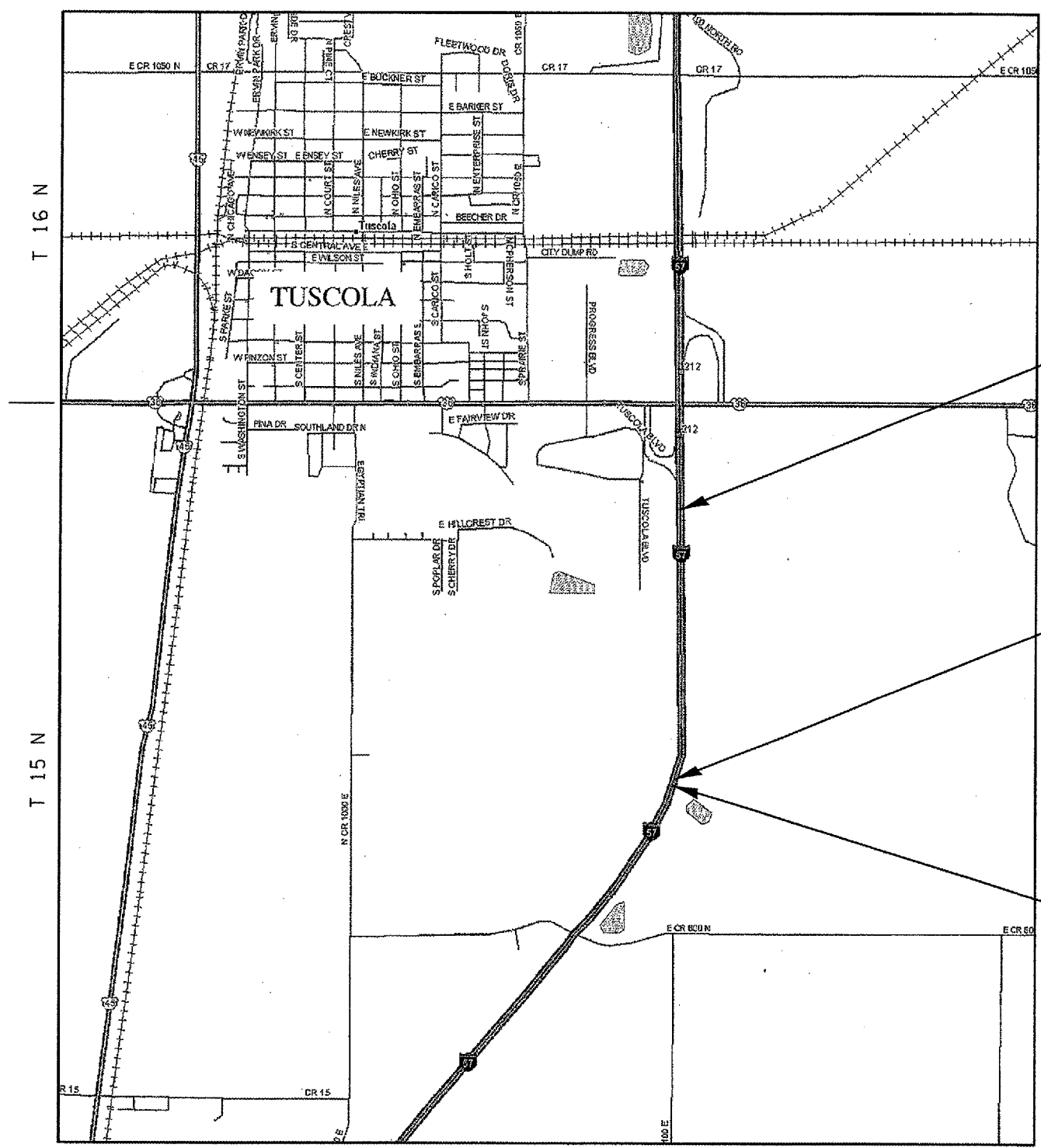
STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
202001	EARTH MEDIAN DITCH CHECK
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
542306-01	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
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

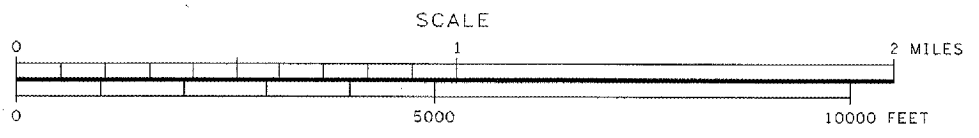
I-57 SOUTH OF TUSCOLA - DOUGLAS COUNTY



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

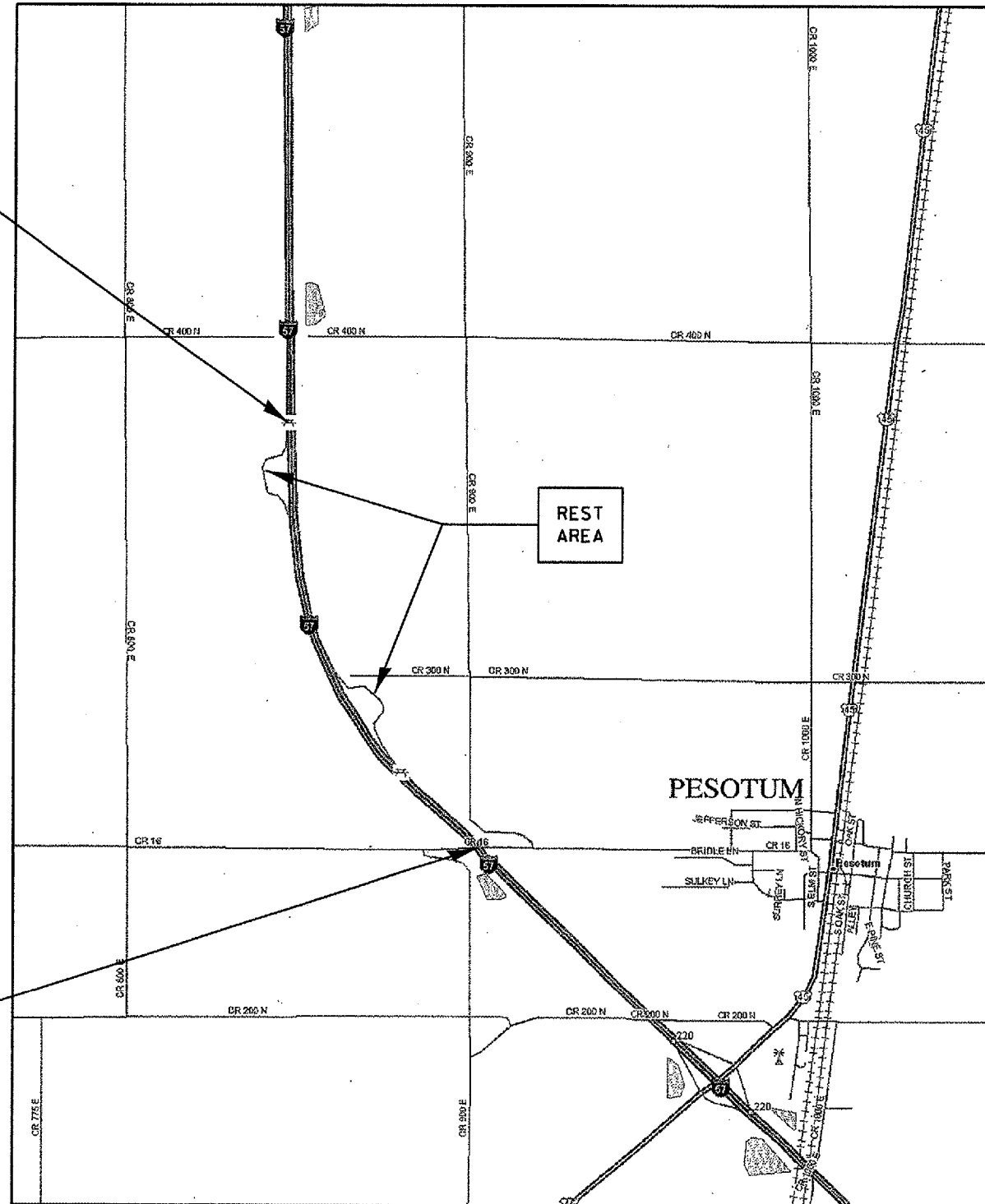
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	4

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

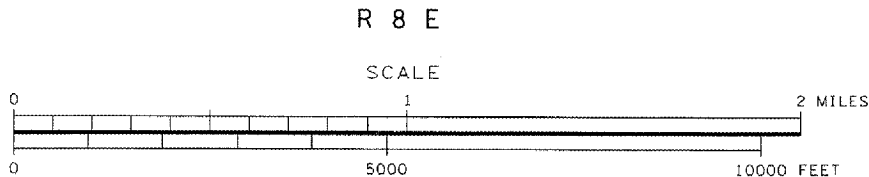
LOCATION 2 I-57 NORTH OF PESOTUM - CHAMPAIGN COUNTY



PROJECT LIMITS
 END STATION
 251+00



PROJECT LIMITS
 BEGIN STATION
 174+00

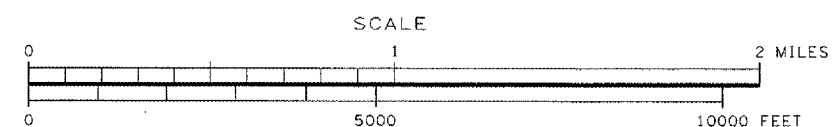
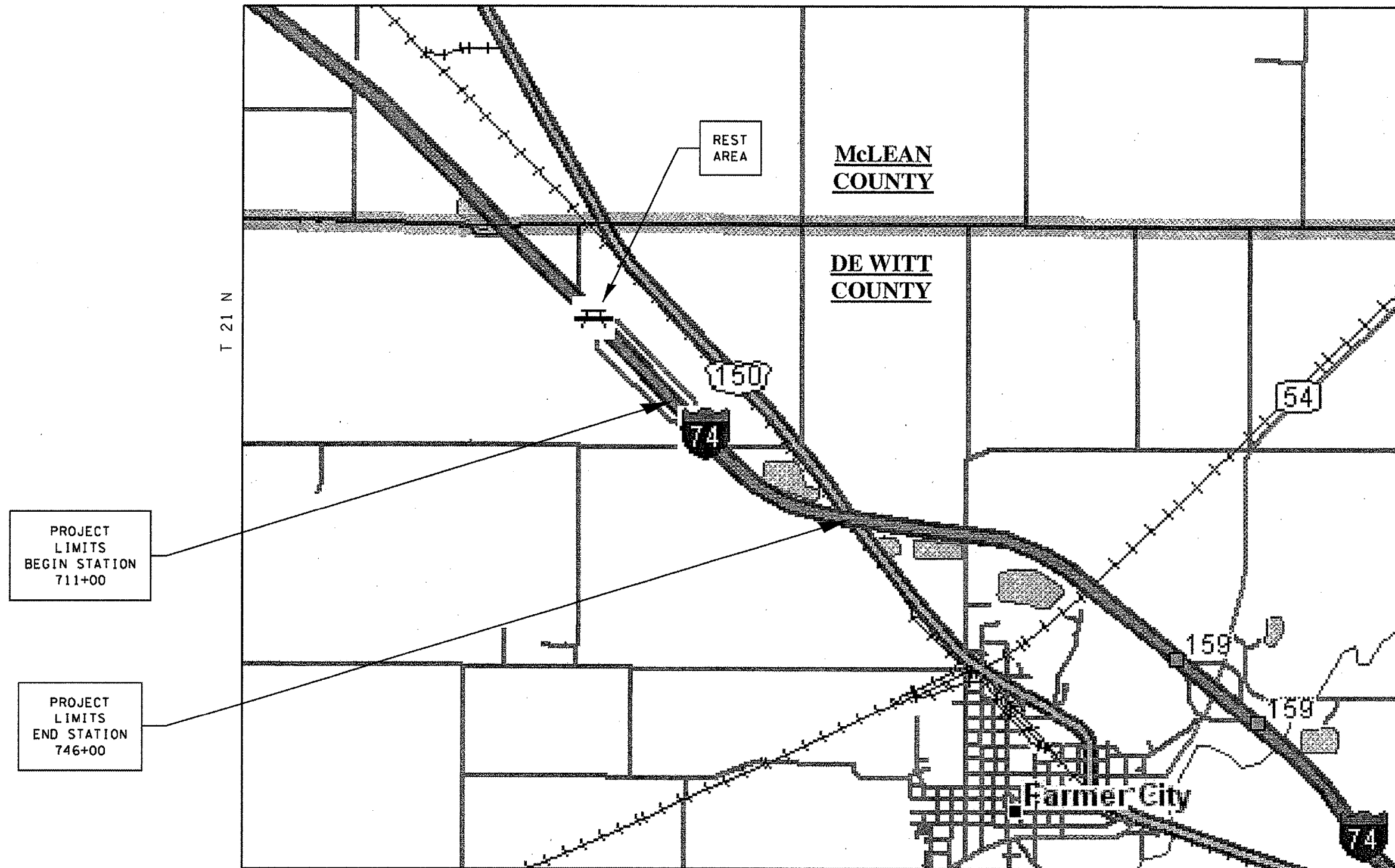


TOTAL LENGTH OF SECTION = 7700 FEET = 1.458 MILES
 NET LENGTH OF SECTION = 7565 FEET = 1.433 MILES

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

PLOT DATE : 10/20/2006
 FILE NAME : c:\projects\70547\70547.dwg
 PLOT SCALE : 1/8" = 1000 FEET
 USER NAME : phillips

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	6

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

GENERAL NOTES

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)	IL 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.

F.A.I. RTE. 57&74	SECTION *	COUNTY **	TOTAL SHEETS 151	SHEET NO. 7
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SUMMARY OF QUANTITIES

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)	SO 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	SO 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 I 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

* SPECIALTY ITEMS

(CONTINUED NEXT SHEET)

F.A.I. RTE. 57&74	SECTION *	COUNTY **	TOTAL SHEETS 151	SHEET NO. 8
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SUMMARY OF QUANTITIES

* 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	FAI-57 Champaign County Sta 174+00 to 251+00	FAI-74 Dewitt County Sta 711+00 to 746+00
CONSTRUCTION TYPE CODE:				Rural-Multilane 90% FED. 10% STATE SFTY-4A	Rural-Multilane 90% FED. 10% STATE SFTY-4A	Rural-Multilane 90% FED. 10% STATE SFTY-4A
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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	9

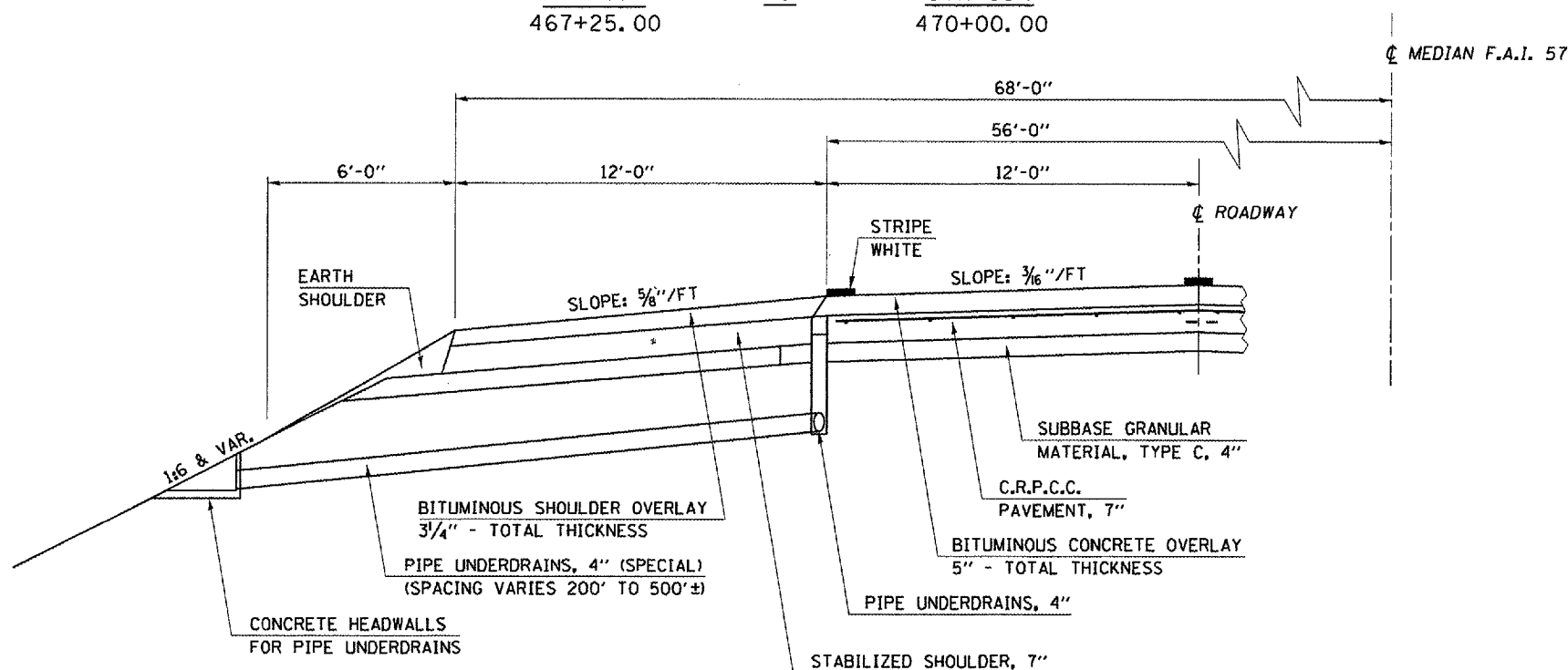
* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION #1
TUSCOLA

EXISTING TYPICAL CROSS SECTION

I-57 SOUTHBOUND DRIVING LANE

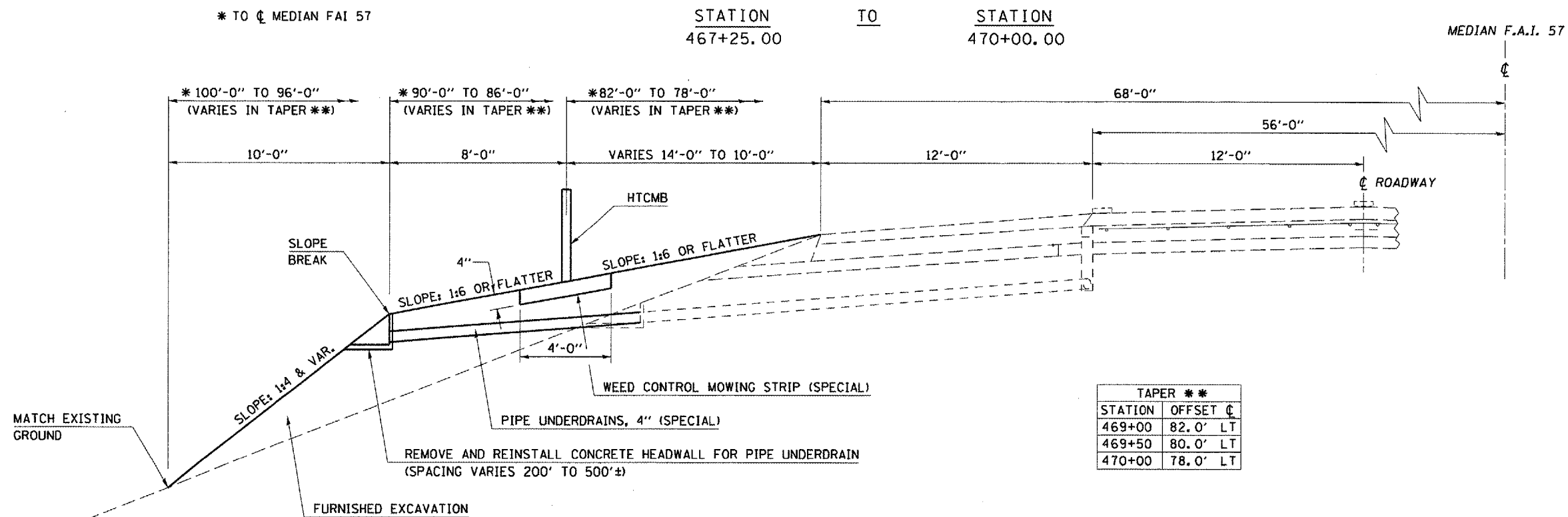
STATION 467+25.00 TO STATION 470+00.00



PROPOSED TYPICAL CROSS SECTION

I-57 SOUTHBOUND DRIVING LANE

STATION 467+25.00 TO STATION 470+00.00



PLOT DATE: 12/1/2006
 FILE NAME: c:\p\proj\70547\70547.dgn
 PLOT SCALE: 42.3025' / IN.
 USER NAME: phillips

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	10

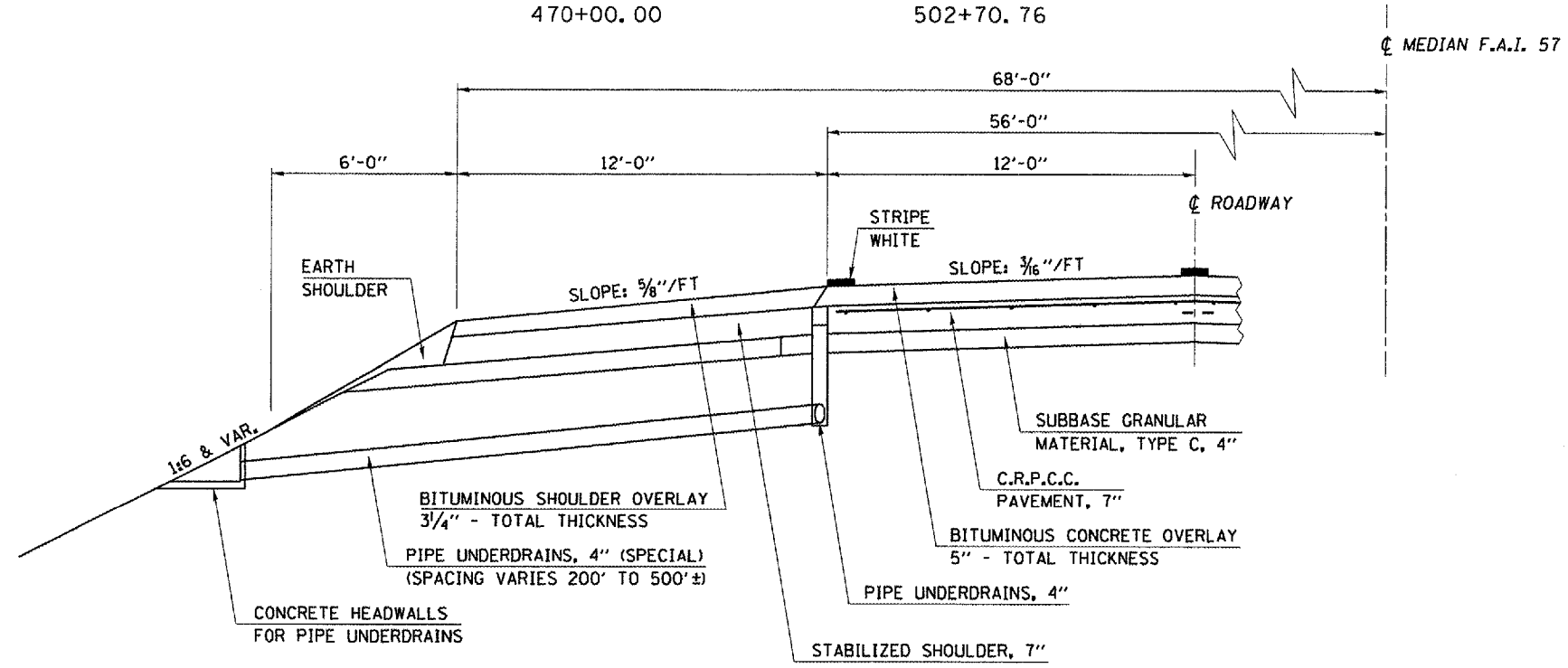
* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION #1
TUSCOLA

EXISTING TYPICAL CROSS SECTION

I-57 SOUTHBOUND DRIVING LANE

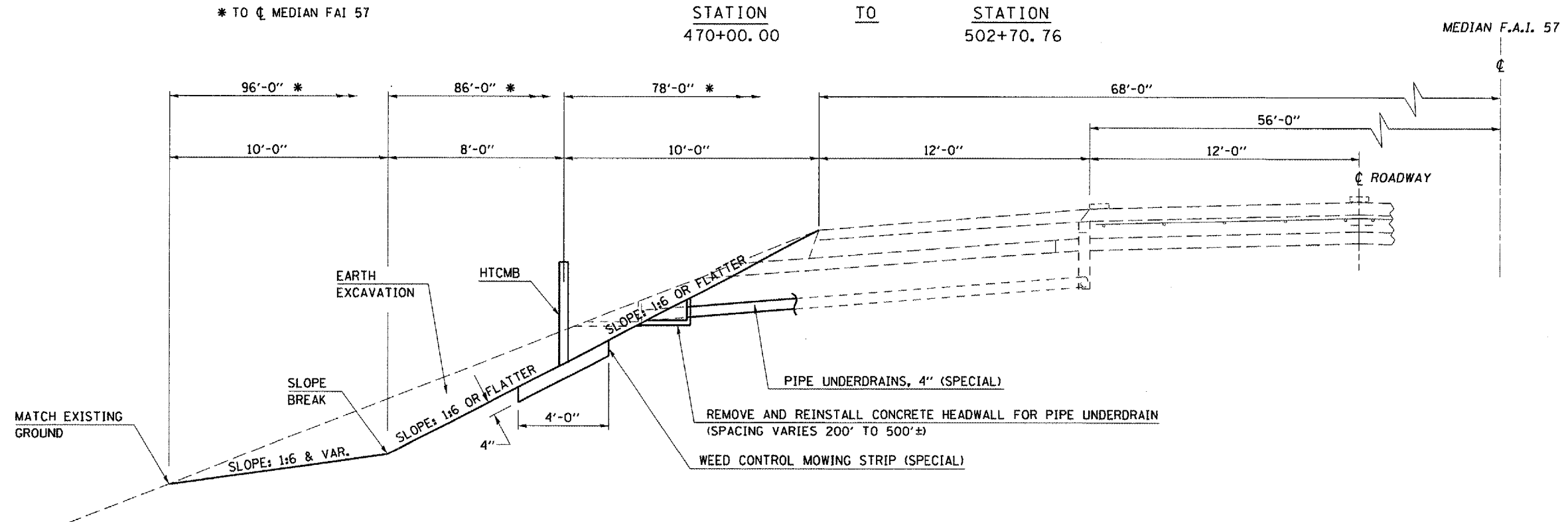
STATION 470+00.00 TO STATION 502+70.76



PROPOSED TYPICAL CROSS SECTION

I-57 SOUTHBOUND DRIVING LANE

STATION 470+00.00 TO STATION 502+70.76



PLOT DATE: 11/15/2006
 FILE NAME: c:\projects\70547\typical\70547.dgn
 PLOT SCALE: 42.3529' / IN.
 USER NAME: philley

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74		**	151	11

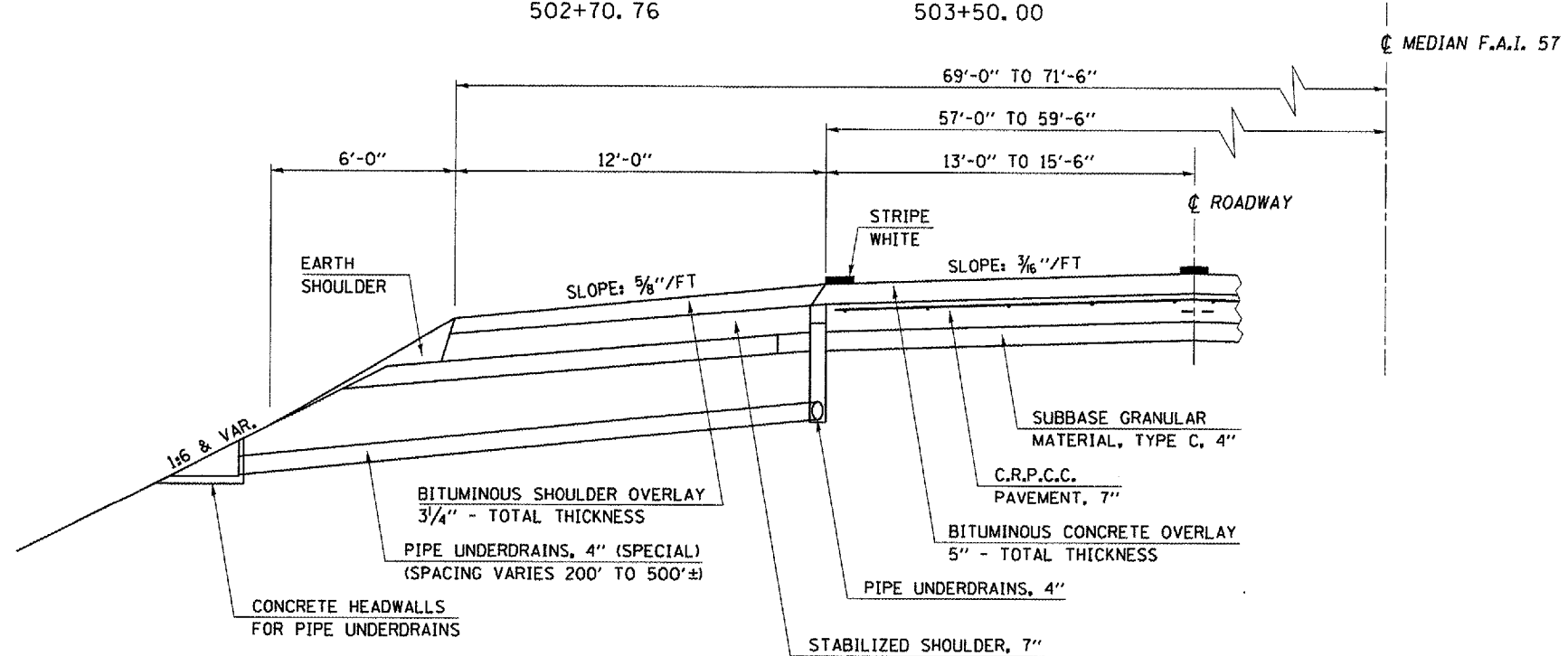
* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION #1
 TUSCOLA

EXISTING TYPICAL CROSS SECTION

I-57 SOUTHBOUND RAMP TAPER

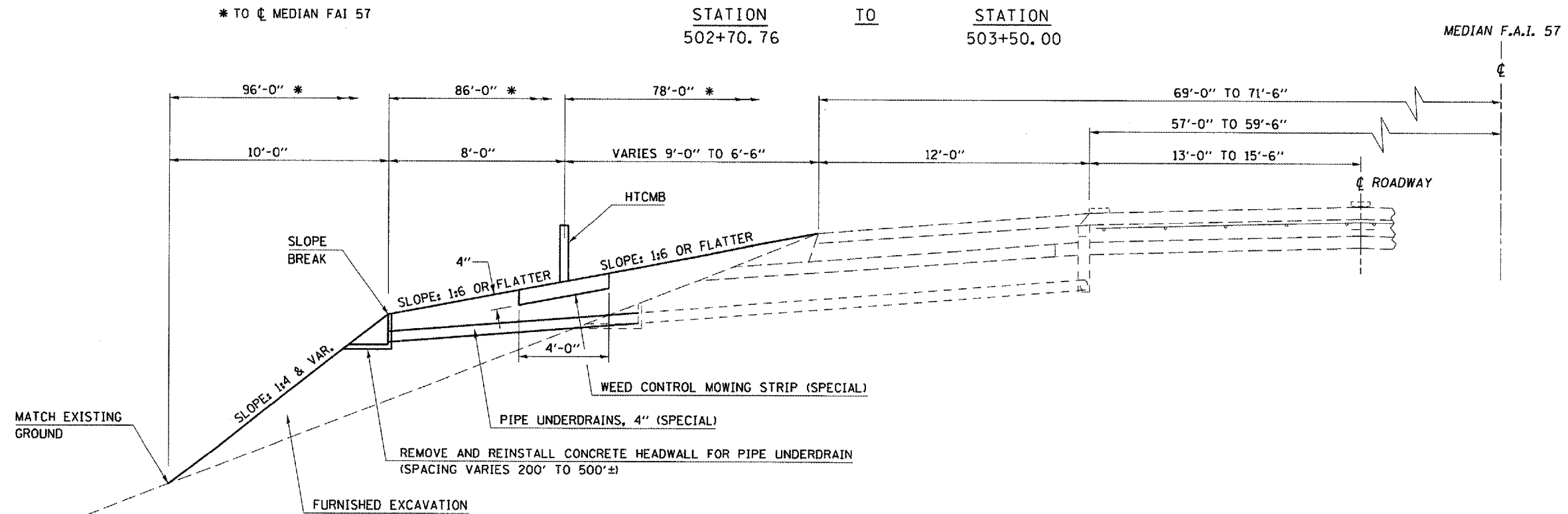
STATION 502+70.76 TO STATION 503+50.00



PROPOSED TYPICAL CROSS SECTION

I-57 SOUTHBOUND RAMP TAPER

STATION 502+70.76 TO STATION 503+50.00



PLT DATE : 11/15/2006
 FILE NAME : c:\projects\0606188 (s)\tusc01a\70547.dgn
 PLOT SCALE : 42.325' / IN.
 USER : NAME : pmltuser

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

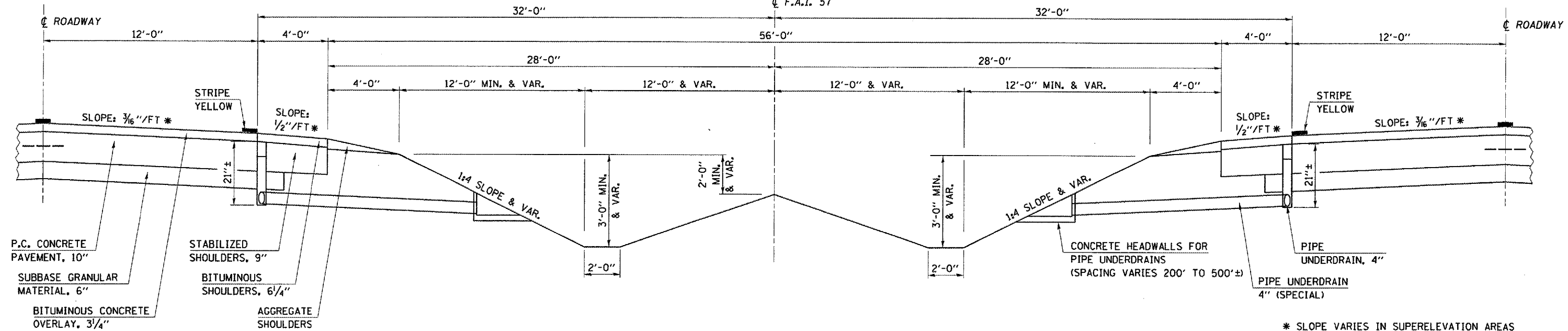
* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION #2
PESOTUM

EXISTING TYPICAL CROSS SECTION

I-57 MEDIAN

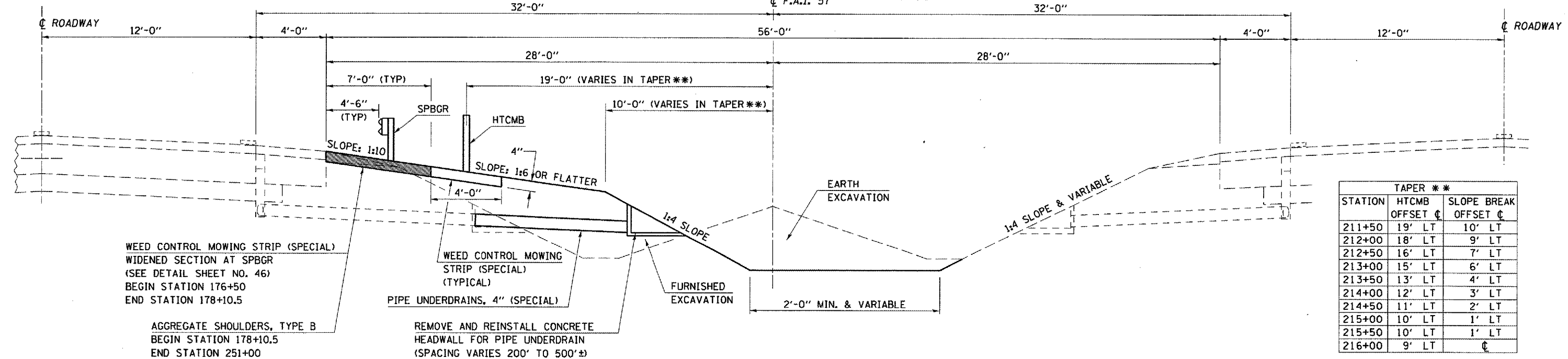
STATION	TO	STATION
174+00.00		216+00.00
217+50.00	☐ F.A.I. 57	251+00.00



PROPOSED TYPICAL CROSS SECTION

I-57 MEDIAN

STATION	TO	STATION
174+00.00		216+00.00
217+50.00	☐ F.A.I. 57	251+00.00



STATION	TAPER **	
	HTCMB OFFSET ☐	SLOPE BREAK OFFSET ☐
211+50	19' LT	10' LT
212+00	18' LT	9' LT
212+50	16' LT	7' LT
213+00	15' LT	6' LT
213+50	13' LT	4' LT
214+00	12' LT	3' LT
214+50	11' LT	2' LT
215+00	10' LT	1' LT
215+50	10' LT	1' LT
216+00	9' LT	☐

PLOT DATE: 12/1/2006
 FILE NAME: c:\p\proj\70547\70547.dgn
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74			151	13

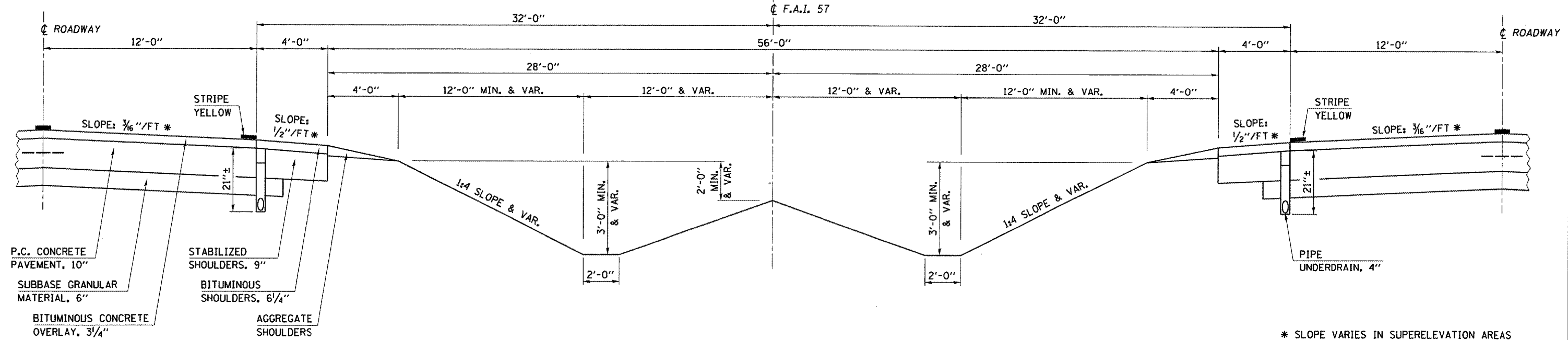
* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

LOCATION #2
PESOTUM

EXISTING TYPICAL CROSS SECTION

I-57 MEDIAN

STATION 216+00.00 TO STATION 217+50.00

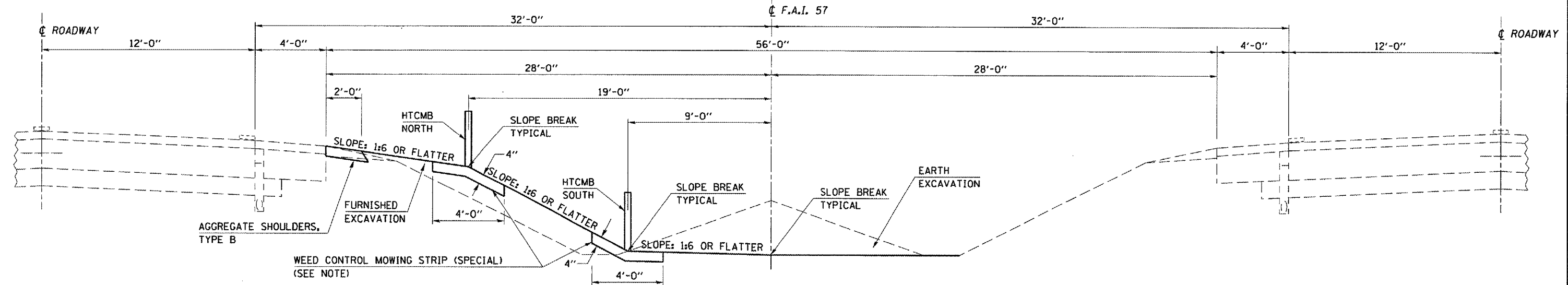


* SLOPE VARIES IN SUPERELEVATION AREAS WITH A MAXIMUM OF 0.08 FT/FT DIFFERENCE IN PAVEMENT SLOPE AND SHOULDER SLOPE

PROPOSED TYPICAL CROSS SECTION

I-57 MEDIAN

STATION 216+00.00 TO STATION 217+50.00



NOTE:
 MINIMUM THICKNESS OF MOWING STRIP SHALL BE 4".

PLOT DATE = 10/26/2006
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 USER NAME = bhilkey

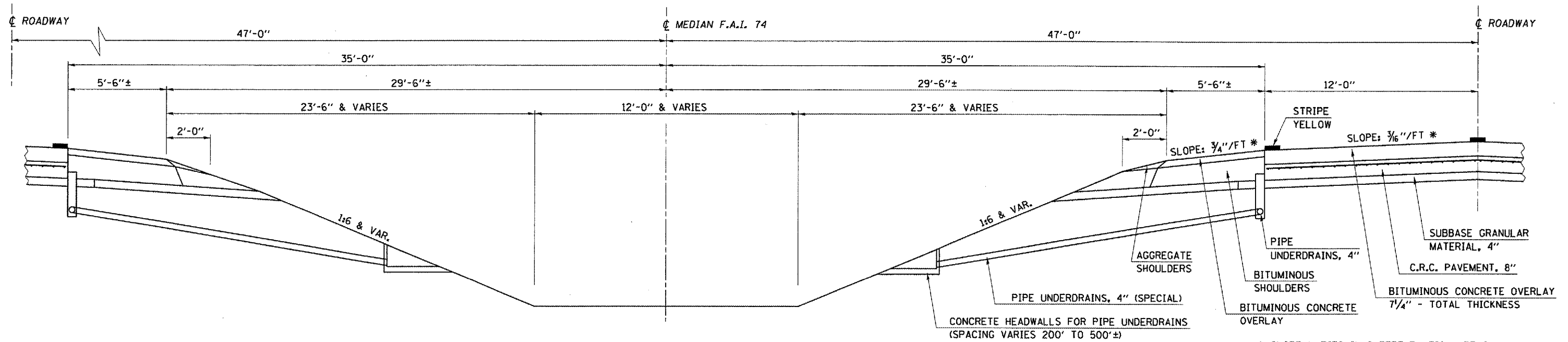
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	**	**	151	14

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

LOCATION #3
 FARMER CITY

EXISTING TYPICAL CROSS SECTION

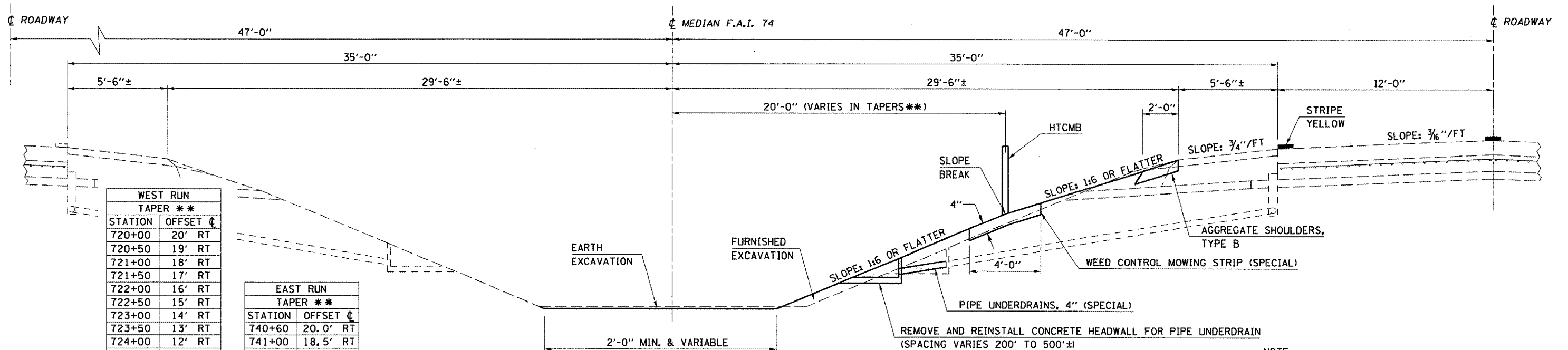
STATION	TO	STATION
712+00.00		725+00.00
726+50.00		744+00.00



* SLOPE VARIES IN SUPERELEVATION AREAS WITH A MAXIMUM OF 0.08 FT/FT DIFFERENCE IN PAVEMENT SLOPE AND SHOULDER SLOPE

PROPOSED TYPICAL CROSS SECTION

STATION	TO	STATION
712+00.00		725+00.00
726+50.00		744+00.00



WEST RUN TAPER **	
STATION	OFFSET C
720+00	20' RT
720+50	19' RT
721+00	18' RT
721+50	17' RT
722+00	16' RT
722+50	15' RT
723+00	14' RT
723+50	13' RT
724+00	12' RT
724+50	11' RT
725+00	10' RT

EAST RUN TAPER **	
STATION	OFFSET C
740+60	20.0' RT
741+00	18.5' RT
741+50	16.5' RT
742+00	14.5' RT

NOTE: MINIMUM THICKNESS OF MOWING STRIP SHALL BE 4".

PLOT DATE = 11/15/2006
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 USER NAME = philip_j

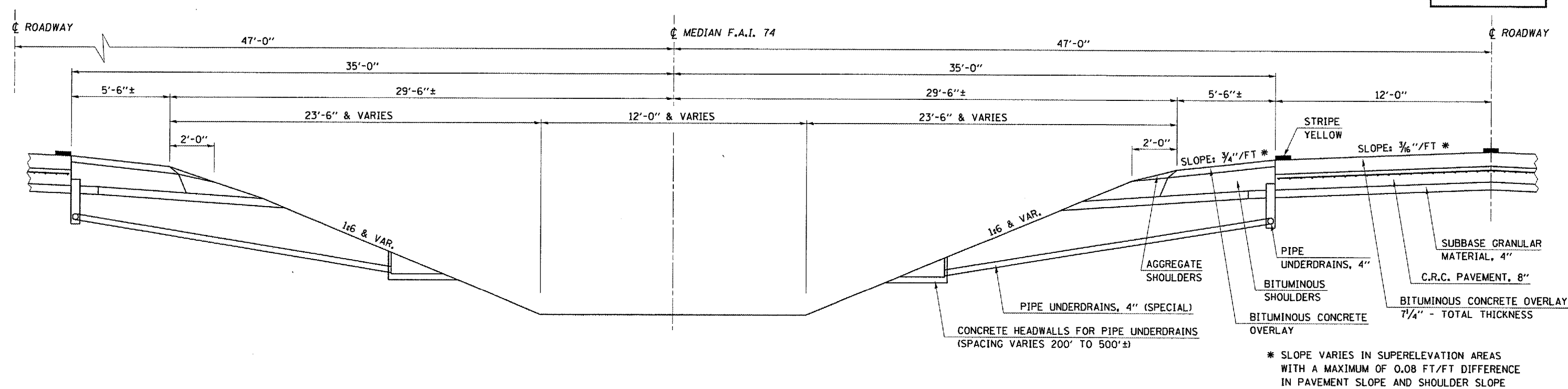
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	15

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

LOCATION #3
FARMER CITY

EXISTING TYPICAL CROSS SECTION

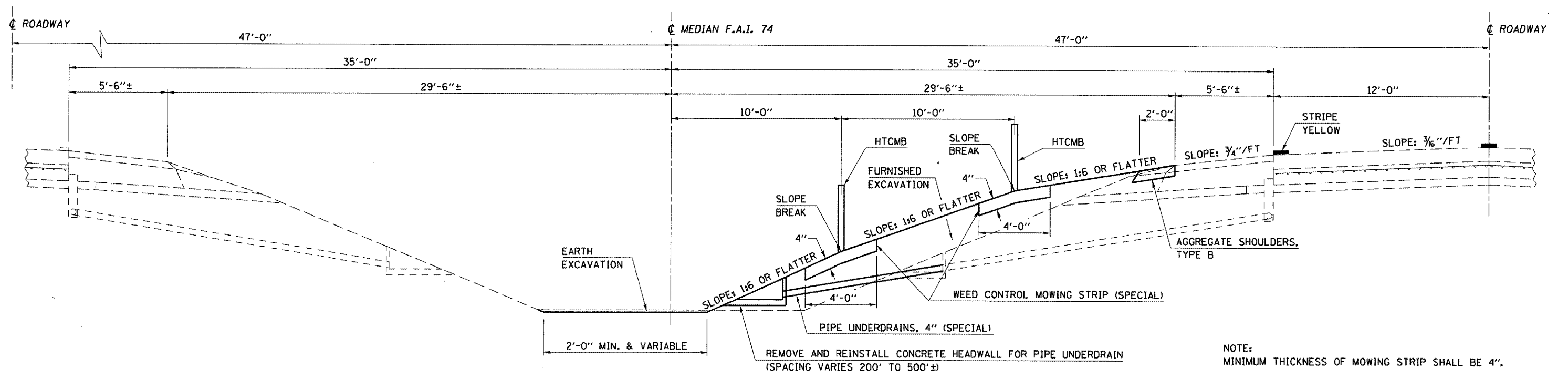
STATION 725+00.00 TO STATION 726+50.00



* SLOPE VARIES IN SUPERELEVATION AREAS WITH A MAXIMUM OF 0.08 FT/FT DIFFERENCE IN PAVEMENT SLOPE AND SHOULDER SLOPE

PROPOSED TYPICAL CROSS SECTION

STATION 725+00.00 TO STATION 726+50.00



NOTE: MINIMUM THICKNESS OF MOWING STRIP SHALL BE 4".

PLOT DATE = 11/15/2005
 FILE NAME = c:\projects\70547\70547.dgn
 PLOT SCALE = 42.3025 / IN.
 USER NAME = pdillman

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.)
<u>DOUGLAS COUNTY</u>				
LOC #1 TUSCOLA (I-57 SBDL SHOULDER) LT. STA. 466+50 - 504+00	442.0	331.5	678.7	348.0
<u>CHAMPAIGN COUNTY</u>				
LOC #2 PESOTUM (I-57 SBPL MEDIAN) LT. STA. 173+50 - 251+00	2245.0	1684.0	4055.0	2371.0
<u>DEWITT COUNTY</u>				
LOC #3 FARMER CITY (I-74 EBPL MEDIAN) RT. STA. 711+50 - 744+50	172.0	129.0	1451.7	1323.0
<u>TOTALS =</u>	<u>2859.0</u>			<u>4042.0</u>

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)
<u>DOUGLAS COUNTY</u>						
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
<u>CHAMPAIGN COUNTY</u>						
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
<u>DEWITT COUNTY</u>						
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
<u>TOTALS =</u>	<u>11.5</u>	<u>1035.0</u>	<u>1035.0</u>	<u>1035.0</u>	<u>11.5</u>	<u>1150.0</u>

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	17

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

SCHEDULES OF QUANTITIES

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

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.)
<u>DOUGLAS COUNTY</u>	
<u>LOC #1 TUSCOLA (I-57 SBDL SHOULDER)</u>	
LT. STA 467+25 - 503+50	1611.0
SUBTOTAL =	1611.0

<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
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

<u>DEWITT COUNTY</u>	
<u>LOC #3 FARMER CITY (I-74 EBPL MEDIAN)</u>	
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)
<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
LT. STA 173+50 - 251+00	123.0

<u>DEWITT COUNTY</u>	
<u>LOC #3 FARMER CITY (I-74 EBPL MEDIAN)</u>	
RT. STA 711+50 - 744+50	53.0
TOTALS =	176.0

50800105 REINFORCEMENT BARS

STATION	(POUND)
<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
194+85	16.5
208+00	41.6
225+00	1620.0
TOTALS =	1678.1
USE =	1680.0

54002020 EXPANSION BOLTS

STATION	(EACH)
<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
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)
<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
208+00	8.5
TOTALS =	8.5
USE =	9.0

54214317 END SECTION EQUIVALENT ROUND SECTION 42"

STATION	(EACH)
<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
208+00	1.0
TOTALS =	1.0

54248170 GRATE - CONCRETE FLARED END SECTION EQUIVALENT ROUND 42"

STATION	(EACH)
<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
208+00	1.0
TOTALS =	1.0

54248500 CONCRETE HEADWALLS

STATION	(CU. YD.)
<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
194+85	0.6
TOTALS =	0.6

50104300 CONCRETE HEADWALL REMOVAL

STATION	(CU YD)
<u>CHAMPAIGN COUNTY</u>	
<u>LOC #2 PESOTUM (I-57 SBPL MEDIAN)</u>	
208+00	0.3
TOTALS =	0.3

PLOT DATE = 11/2/2006
 FILE NAME = c:\p\mets\70547\85\cover\70547.dgn
 PLOT SCALE = 100:1
 USER NAME = philip.p

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	19

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

SCHEDULES OF QUANTITIES

54248510 CONCRETE COLLAR

STATION	(CU. YD.)
<u>CHAMPAIGN COUNTY</u>	
LOC #2 PESOTUM (I-57 SBPL MEDIAN)	
208+00	0.7
SUBTOTAL =	0.7
<u>DEWITT COUNTY</u>	
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)
<u>DEWITT COUNTY</u>	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
723+00	24.0
TOTALS =	24.0

60108100 PIPE UNDERDRAINS 4" (SPECIAL)

STATION	(FOOT)
<u>DOUGLAS COUNTY</u>	
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
<u>CHAMPAIGN COUNTY</u>	
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
<u>DEWITT COUNTY</u>	
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)
<u>DOUGLAS COUNTY</u>	
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
<u>CHAMPAIGN COUNTY</u>	
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
<u>DEWITT COUNTY</u>	
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

PLOT DATE = 12/1/2006
 FILE NAME = c:\projects\586188\cover\70547.dgn
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = phillips

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	20

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

SCHEDULES OF QUANTITIES

78200405 GUARDRAIL MARKERS

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

78201000 TERMINAL MARKER - DIRECT APPLIED

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

63500105 DELINEATORS

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

63500105 DELINEATOR REMOVAL

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

XZ193300 SURVEY MARKER, TYPE 1 (SPECIAL)

STATION	(EACH)
<u>CHAMPAIGN COUNTY</u>	
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 =	<u>6.0</u>

DEWITT COUNTY

LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
743+11.87	1.0
SUBTOTAL =	<u>1.0</u>
TOTALS =	<u>7.0</u>

63400105 GUARD POSTS

STATION	(EACH)
<u>CHAMPAIGN COUNTY</u>	
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 =	<u>48.0</u>
<u>DEWITT COUNTY</u>	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
711+08	7.0
733+50	6.0
SUBTOTAL =	<u>13.0</u>
TOTALS =	<u>61.0</u>

63400205 GUARD POSTS REMOVAL

STATION	(EACH)
<u>CHAMPAIGN COUNTY</u>	
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 =	<u>47.0</u>
<u>DEWITT COUNTY</u>	
LOC #3 FARMER CITY (I-74 EBPL MEDIAN)	
711+08	7.0
733+50	3.0
SUBTOTAL =	<u>10.0</u>
TOTALS =	<u>57.0</u>

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	22

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

SCHEDULES OF QUANTITIES

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

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

54003000 CONCRETE BOX CULVERTS

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

XX004373 REMOVE AND RELOCATE INLETS

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

63000000 STEEL PLATE BEAM GUARD RAIL, TYPE A

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

63100167 TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)

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

63100167 TRAFFIC BARRIER TERMINAL TYPE 6B (SPECIAL)

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

63200310 GUARDRAIL REMOVAL

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

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

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

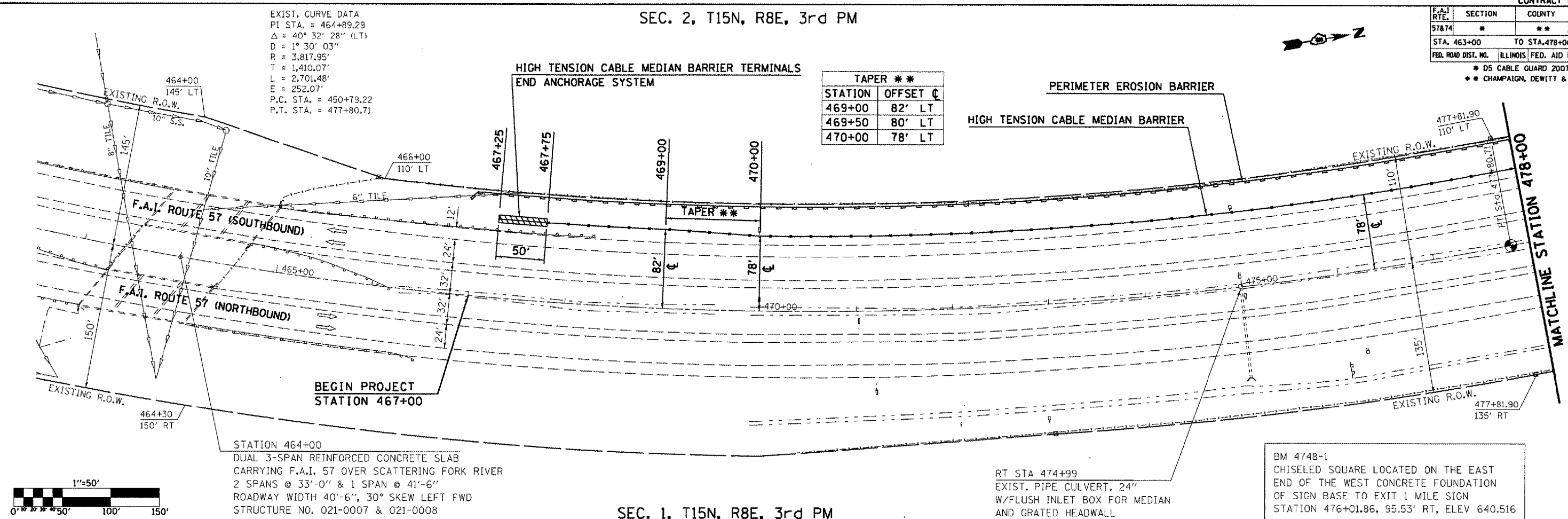
SEC. 2, T15N, R8E, 3rd PM

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				

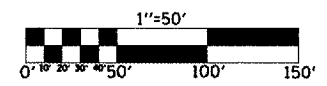
EXIST. CURVE DATA
 PI STA. = 464+89.29
 $\Delta = 40^\circ 32' 28''$ (LT)
 $D = 1^\circ 30' 03''$
 $R = 3,817.95'$
 $L = 1,410.07'$
 $E = 252.07'$
 P.C. STA. = 450+79.22
 P.T. STA. = 477+80.71

TAPER **

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



STATION 464+00
 DUAL 3-SPAN REINFORCED CONCRETE SLAB
 CARRYING F.A.I. 57 OVER SCATTERING FORK RIVER
 2 SPANS @ 33'-0" & 1 SPAN @ 41'-6"
 ROADWAY WIDTH 40'-6", 30° SKEW LEFT FWD
 STRUCTURE NO. 021-0007 & 021-0008



SEC. 1, T15N, R8E, 3rd PM

STATION	650	648	646	644	642	640	638	636	634
463+00									
464+00									
465+00									
466+00									
467+00									
468+00									
469+00									
470+00									
471+00									
472+00									
473+00									
474+00									
475+00									
476+00									
477+00									
478+00									

PROPOSED HTCMB I-57 (SBD.)

EXISTING EDGE OF PAVEMENT (SBD.)

+0.00%

+0.05%

PLAN

SURVEYED	DATE
PLOTTED	BY
NOTE BOOK	
NO.	

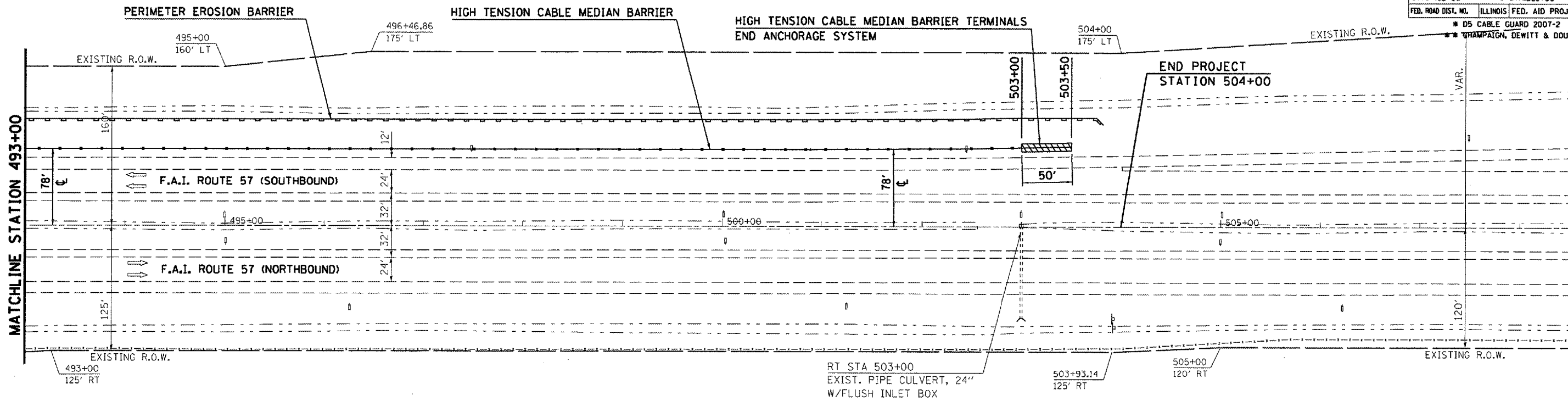
PROFILE

SURVEYED	DATE
PLOTTED	BY
NOTE BOOK	
NO.	

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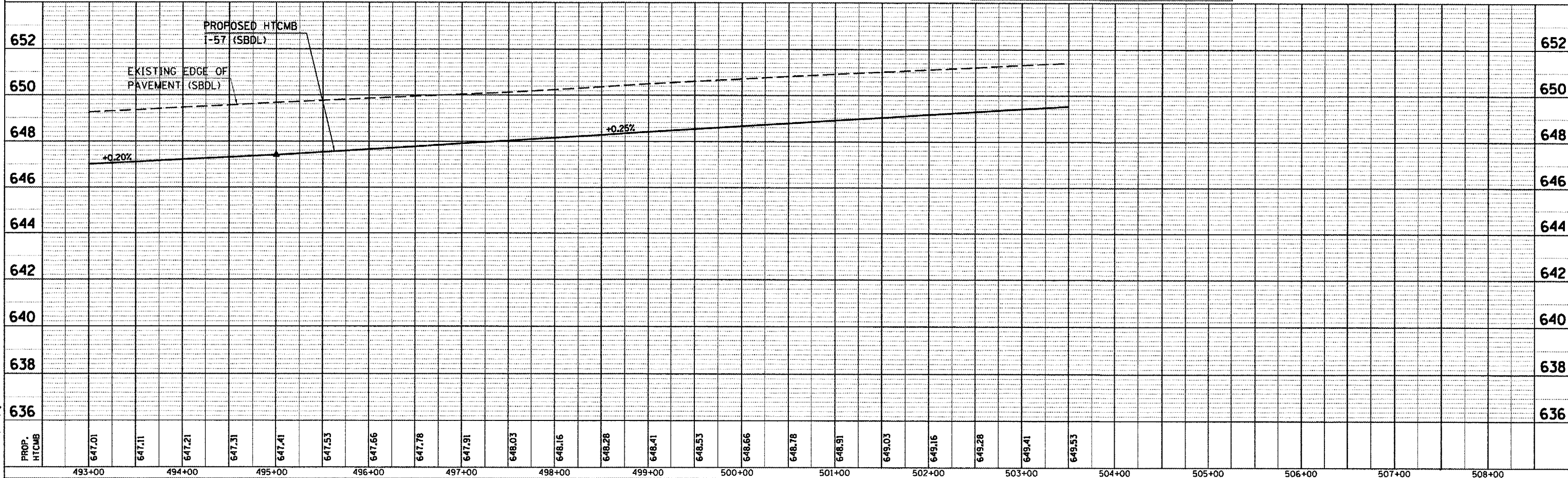
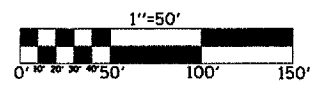
SEC. 2, T15N, R8E, 3rd PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	25
STA. 493+00		TO STA. 508+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		* D5 CABLE GUARD 2007-2		
		** THAMPAIGN, DEWITT & DOUGLAS		



BM 4748-3
 CHISELED "X" LOCATED ON THE TOP OF THE
 NW BOLT OF THE WEST LEG OF SIGN BASE FOR
 EXIT 1/2 MILE SIGN. E. OF NBL
 STATION 503+92.42, 91.51' RT, ELEV 646.786

SEC. 1, T15N, R8E, 3rd PM



PLAN	SUBMITTED	BY	DATE
	PLOTTED		
	NOTED		
	REVISION		
	NO. OF PAGES		
	CAD FILE NAME		

PROFILE	SUBMITTED	BY	DATE
	PLOTTED		
	NOTED		
	REVISION		
	NO. OF PAGES		
	STRUCTURE NOTATION CHNO		

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 USER NAME: philipk

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	#	**	151	26
STA. 168+00		TO STA. 183+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

SE COR, NE 1/4, SEC 21,
T17N, R8E

STATION 170+34.99
SPECIAL BRIDGE DESIGN
4 SPANS CONTINUOUS ROLLED
STEEL BEAMS, SPANS
56'-8", 98'-1", 98'-1", 57'-6", 24' RDWY
WITH 2 SAFETY WALKS @ 2'-10"
46°-13'-05" SKEW

BEGIN PROJECT
STATION 174+00

STEEL PLATE BEAM GUARDRAIL TYPE A

TI (SP) TANGENT
WEED CONTROL MOWING STRIP (SPECIAL)
WIDENED SECTION AT SPBGR
(SEE DETAIL SHEET NO. 46)

EXISTING
INSPECTION WELL

EXISTING R.O.W.

EXISTING R.O.W.

EXISTING R.O.W.

F.A.I. ROUTE 57 (SOUTHBOUND)

F.A.I. ROUTE 57 (NORTHBOUND)

STA 28+00 (C.H. 16)
EXIST. PIPE CULVERT
36" x 112'-0"

LT STA 174+25
EXIST. TRIPLE BOX CULVERT
3 SPANS @ 5'-2"x4'-0", 4'-0"x4'-0"
& 6'-6"x4'-0"x53'-1 3/4", 15° SKEW

HIGH TENSION CABLE MEDIAN BARRIER TERMINALS
END ANCHORAGE SYSTEM

EXISTING
INSPECTION WELL

HIGH TENSION CABLE MEDIAN BARRIER

EXISTING
INSPECTION WELL

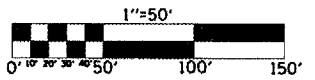
BM 4463-03
STATION 170+34.76, 0.15' LT, ELEV 697.690

T.R. 126
RT STA 174+25
EXIST. TRIPLE BOX CULVERT
3 SPANS @ 5'-2"x4'-0", 4'-0"x4'-0"
& 6'-6"x4'-0"x53'-1 3/4", 15° SKEW

REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)
LT. STA. 174+85.53 TO 175+35.53

STEEL PLATE BEAM GUARDRAIL TYPE A
LT. STA. 174+85.53 TO 177+32.5

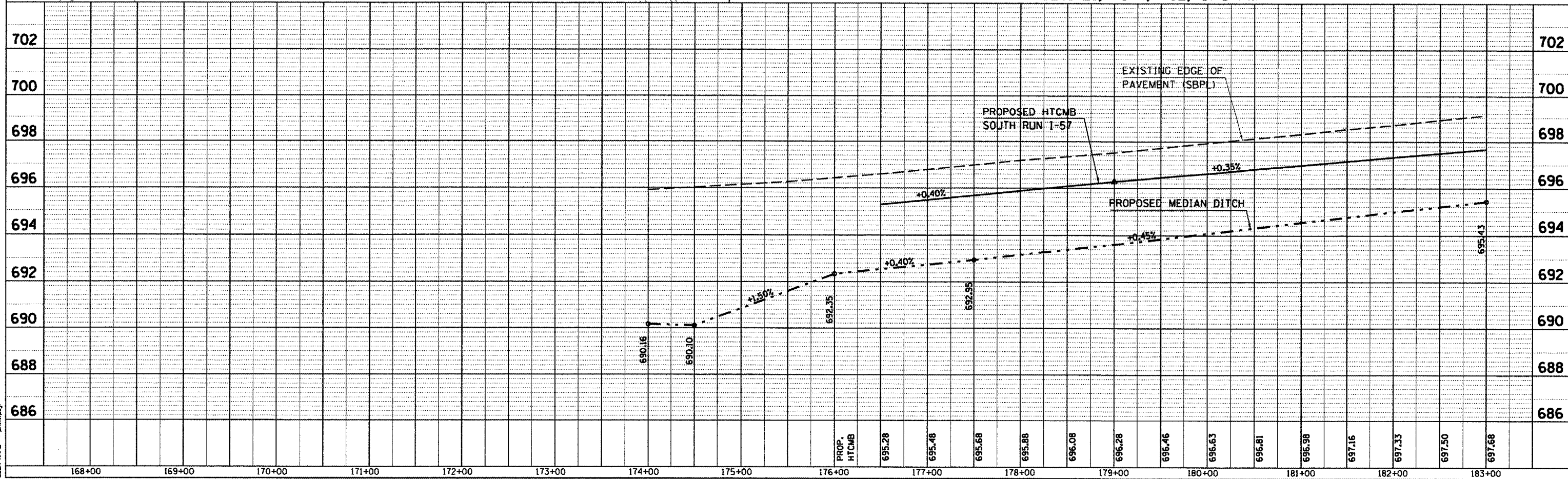
SEC. 21, T17N, R8E, 3rd PM



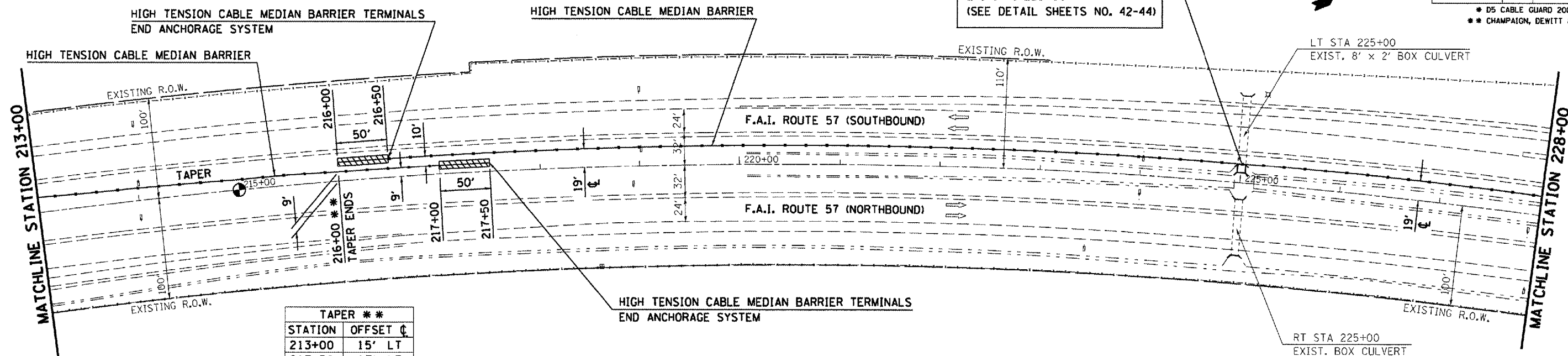
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	NOTED	

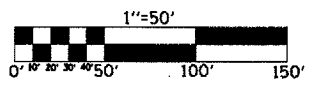
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	**	**	151	29
STA. 213+00		TO STA. 228+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



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

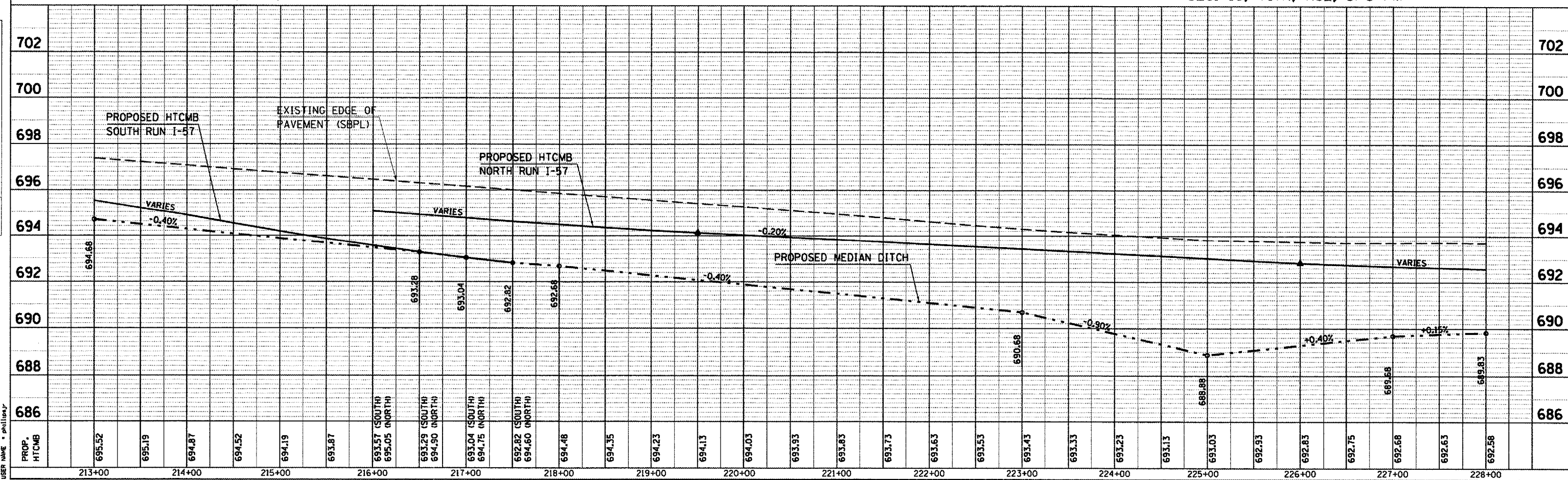
SEC. 21, T17N, R8E, 3rd PM

SEC. 16, T17N, R8E, 3rd PM

DATE	BY
DATE	BY

DATE	BY
DATE	BY

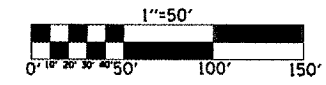
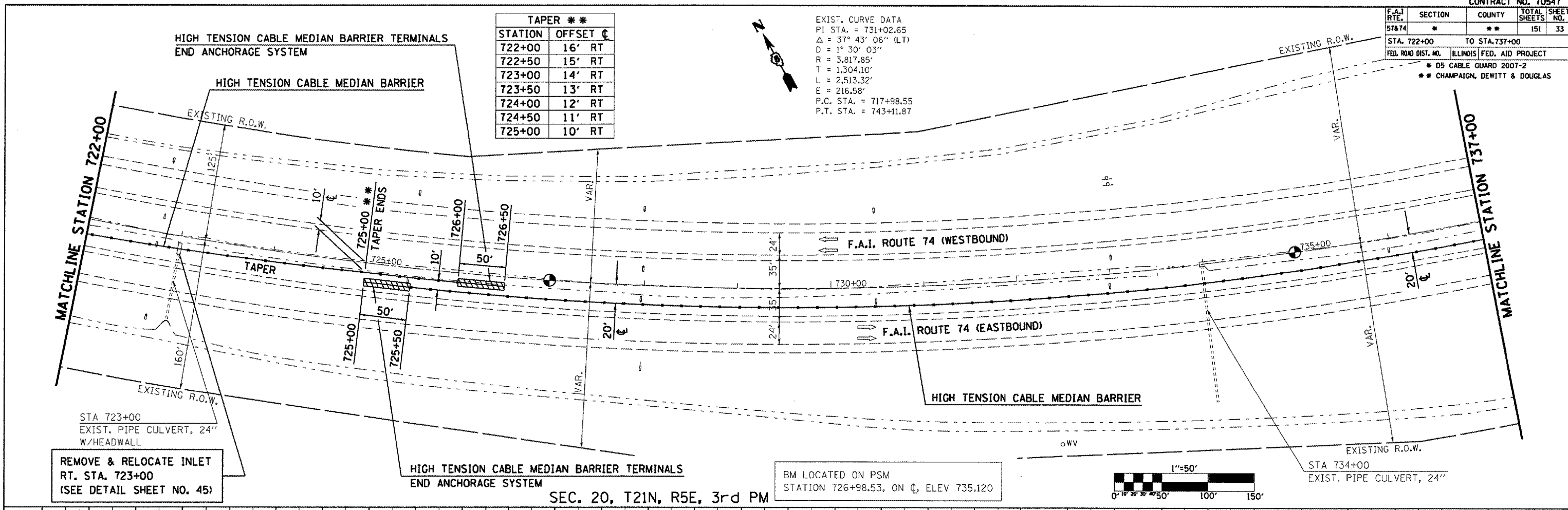
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57874	**	**	151	33
STA. 722+00 TO STA. 737+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

TAPER **	
STATION	OFFSET C
722+00	16' RT
722+50	15' RT
723+00	14' RT
723+50	13' RT
724+00	12' RT
724+50	11' RT
725+00	10' RT

EXIST. CURVE DATA
 PI STA. = 731+02.65
 $\Delta = 37^\circ 43' 06''$ (LT)
 $D = 1^\circ 30' 03''$
 $R = 3,817.85'$
 $T = 1,304.10'$
 $L = 2,513.32'$
 $E = 216.58'$
 P.C. STA. = 717+98.55
 P.T. STA. = 743+11.87



BM LOCATED ON PSM
 STATION 726+98.53, ON C, ELEV 735.120

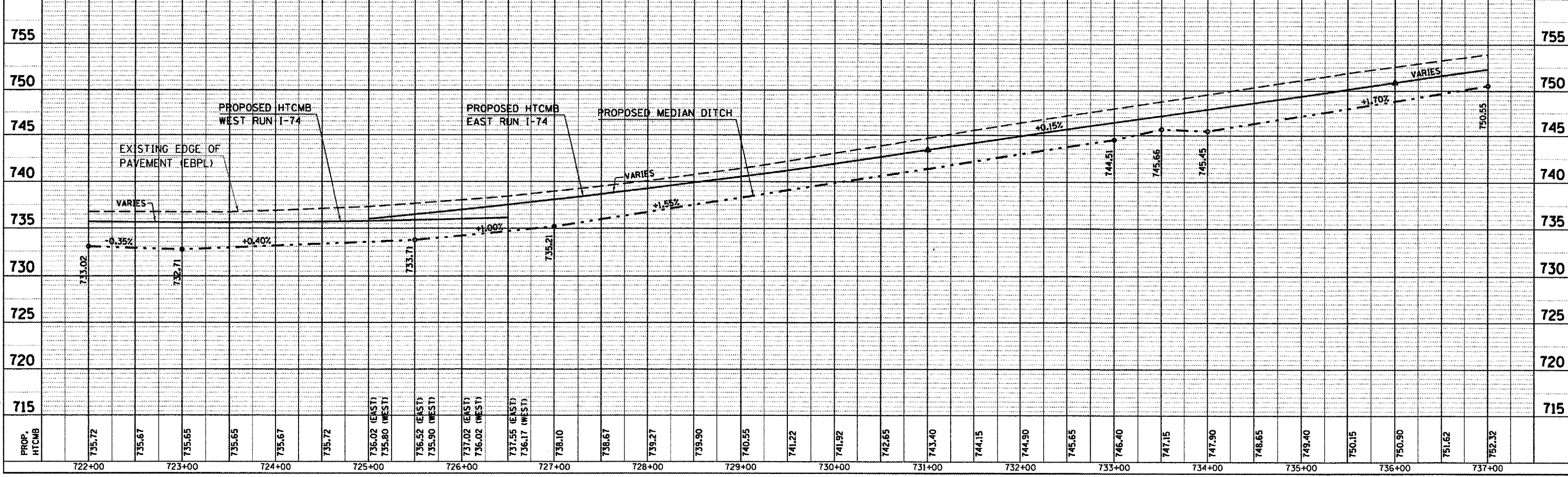
SEC. 20, T21N, R5E, 3rd PM

REMOVE & RELOCATE INLET
 RT. STA. 723+00
 (SEE DETAIL SHEET NO. 45)

PLAN	SURVEYED	DATE
	BY	
	PLotted	
	Checked	
	By	
	Checked	
	By	
	Checked	
	By	
	Checked	

PROFILE	SURVEYED	DATE
	BY	
	Plotted	
	Checked	
	By	
	Checked	
	By	
	Checked	
	By	
	Checked	

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 USER NAME: phillips

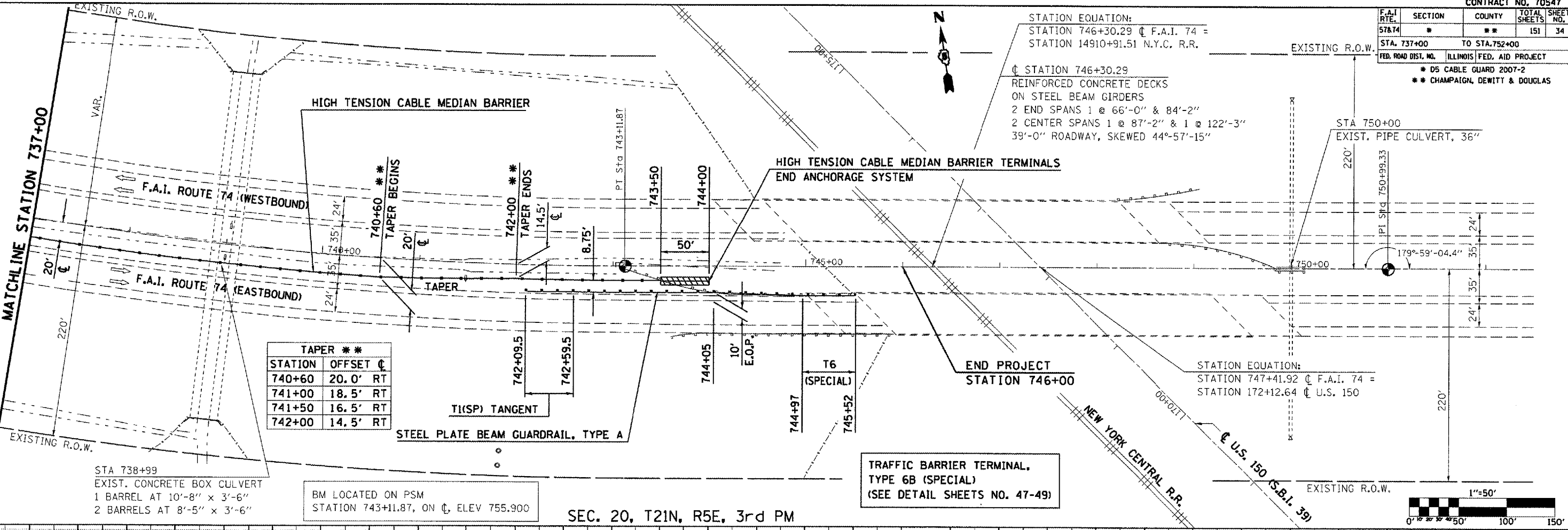


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
578.74	*	**	151	34
STA. 737+00 TO STA. 752+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

STATION EQUATION:
 STATION 746+30.29 @ F.A.I. 74 =
 STATION 14910+91.51 N.Y.C. R.R.

STATION 746+30.29
 REINFORCED CONCRETE DECKS
 ON STEEL BEAM GIRDERS
 2 END SPANS 1 @ 66'-0" & 84'-2"
 2 CENTER SPANS 1 @ 87'-2" & 1 @ 122'-3"
 39'-0" ROADWAY, SKEWED 44°-57'-15"

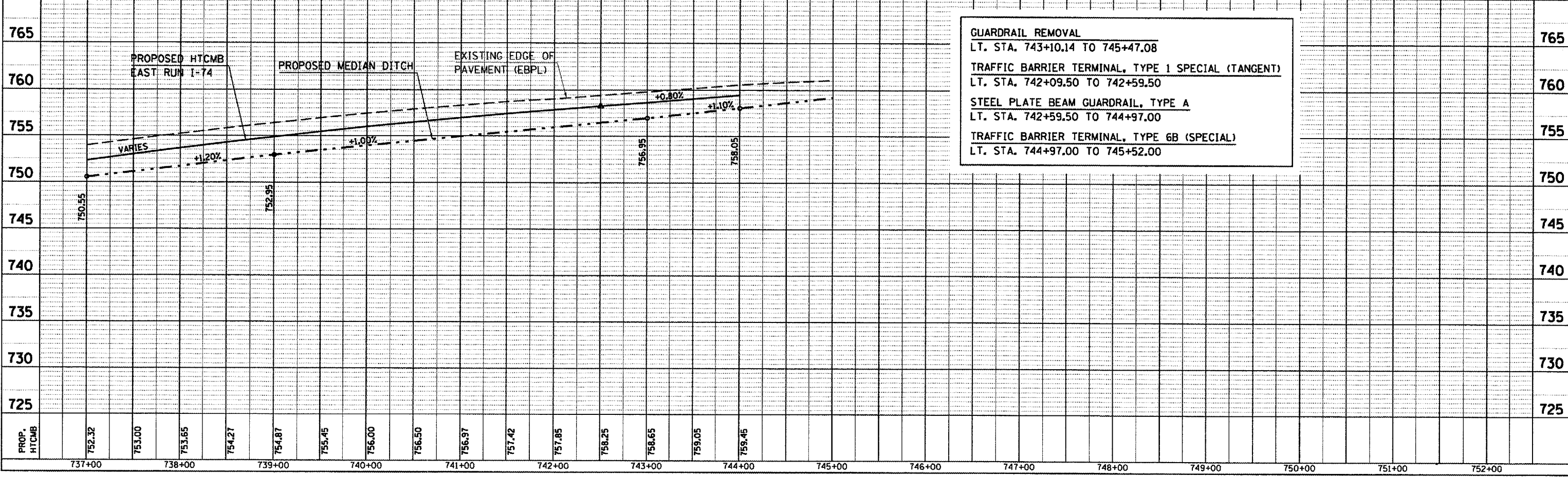
STATION EQUATION:
 STATION 747+41.92 @ F.A.I. 74 =
 STATION 172+12.64 @ U.S. 150



PLAN	DATE
BY	
DATE	
BY	
DATE	
BY	
DATE	

PROFILE	DATE
BY	
DATE	
BY	
DATE	
BY	
DATE	

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 USER NAME: philip.p.



SEC. 20, T21N, R5E, 3rd PM



Illinois Department
of Transportation
Division of Highways
IDOT - Region 3/Dist 5

SOIL BORING LOG

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

SECTION D5 Cable Guard 2007-2 LOCATION . SEC., TWP., RNG.

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

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft
Station	E	L	C	O	Stream Bed Elev.	ft
BORING NO.	P	O	S	I	Groundwater Elev.:	
Station	T	W	S	S	First Encounter	ft
Offset	H	S	Qu	T	Upon Completion	ft
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	After	Hrs. ft

Brown Mottled Silty Clay Loam						
		3				
693.8		3		37		
Grey Sandy Clay Loam		4				
		3				
691.3		5	9.1	11		
Dark Grey Sandy Clay Loam		7	B			
		3				
		3	2.5	25		
687.8		5	B			
Brown Mottled Silty Clay						
		2				
		1	1.4	26		
		2	B			
684.8						
Brown Sandy Clay Loam Till		0				
		0	2.3	16		
		2	B			
		2				
		6	4.9	14		
680.8		8	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)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	36

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

Page 1 of 1

Date 7/26/06



Illinois Department
of Transportation
Division of Highways
IDOT - Region 3/Dist 5

SOIL BORING LOG

ROUTE FAI 57 & 74 DESCRIPTION Proposed HTCB on I-57 North of Pesotum Near NB & SB Rest Areas LOGGED BY RRW

SECTION D5 Cable Guard 2007-2 LOCATION . SEC., TWP., RNG.

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

STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft
Station	E	L	C	O	Stream Bed Elev.	ft
BORING NO.	P	O	S	I	Groundwater Elev.:	
Station	T	W	S	S	First Encounter	ft
Offset	H	S	Qu	T	Upon Completion	ft
Ground Surface Elev.	(ft)	(/6")	(tsf)	(%)	After	Hrs. ft

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				
		3	1.2	15		
		4	B			
684.8						
Grey Sandy Clay Loam		2				
		7	1.6	10		
		6	B			
682.8						
Grey Sandy Clay Loam Till		2				
		3	2.9	18		
		6	B			
680.8						
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)



Illinois Department
of Transportation
Division of Highways
IDOT - Region 3/Dist 5

SOIL BORING LOG

Page 1 of 1

Date 7/27/06

ROUTE FAI 57 & 74 DESCRIPTION Proposed HTCB on I-57 North of Pesotum Near NB & SB Rest Areas LOGGED BY RRW
SECTION D5 Cable Guard 2007-2 LOCATION SEC. TWP. RNG.
COUNTY Dewitt, Champaign, Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.
BORING NO. Station Offset Ground Surface Elev.	(ft)	(6")	(tsf)	(%)	ft ft ft ft ft
3 HTCB 217+50 6.0 ft Rt. of E.O.S. 695.1					
Black Silty Clay Loam					
	2				
	2	1.6	26		
	4	B			
692.1					
Brown Mottled Silty Clay Loam					
	1				
	2	1.9	23		
	3	B			
	-5				
	1				
	0		24		
	0				
687.1					
Brown Sandy Clay Loam Till					
	3				
	6	6.1	12		
	10	S			
	-10				
684.1					
Grey Sandy Clay Loam Till					
	4				
	10	7.8	12		
	11	B			
	4				
	7	6.6	11		
	12	B			
680.1					
End of Boring					
	-15				
	-20				

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)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74			151	37

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

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Date 7/27/06



Illinois Department
of Transportation
Division of Highways
IDOT - Region 3/Dist 5

SOIL BORING LOG

ROUTE FAI 57 & 74 DESCRIPTION Proposed HTCB on I-57 North of Pesotum Near NB & SB Rest Areas LOGGED BY RRW
SECTION D5 Cable Guard 2007-2 LOCATION SEC. TWP. RNG.
COUNTY Dewitt, Champaign, Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. Station	D P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.
BORING NO. Station Offset Ground Surface Elev.	(ft)	(6")	(tsf)	(%)	ft ft ft ft
4 HTCB 250+25 1.5 ft Rt. of E.O.S. 692.8					
Brown/Grey Sandy Clay Loam (Fill)					
	4				
	4	3.7	13		
	3	B			
689.3					
Black Silty Clay (Topsoil)					
	1				
	2	0.8	24		
	3	B			
	-5				
686.8					
Grey Sandy Clay Loam					
	2				
	2	2.7	18		
	4	B			
684.8					
Dark Grey Silty Clay Loam					
	1				
	2	1.9	27		
	2	B			
	-10				
681.3					
Brown Mottled Sandy Clay Loam					
	1				
	2	1.2	24		
	2	B			
	2				
	4	4.1	15		
	5	B			
677.8					
End of Boring					
	-15				
	-20				

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)



Illinois Department
of Transportation
Division of Highways
IDOT - Region 5/Dist 5

SOIL BORING LOG

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

SECTION D5 Cable Guard 2007-2 LOCATION SEC., TWP., RNG.

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

STRUCT. NO. Station	D E P T H (ft)	B L O W S (6")	U C S Qu (tsf)	M O I S T U R (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft Groundwater Elev.: First Encounter _____ 725.1 ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft
Brown to Gray Mottled Silty Clay Loam to Sandy Clay Loam (Fill)					
		3			
		4	2.2	20	
		5	S		
		3			
Dark Gray Mottled Clay		6	5.2	27	
		9	S		
		2			
Gray Mottled Silt to Silty Clay		2	1.2	28	
		2	B		
		1	0.9	25	
Brown Oxidized Sand Loam with Gravel		2	B		
		3			
Gray Sandy Clay Loam Till		1			
		2	1.3	12	
		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)

9/22/2006 9:26:37 AM S:\SOILS\BORING LOGS\CHAMPAIGN CNTY\HTCB I-57 TUS@PESOTUM.GPJ



Illinois Department
of Transportation
Division of Highways
IDOT - Region 5/Dist 5

SOIL BORING LOG

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

SECTION D5 Cable Guard 2007-2 LOCATION SEC., TWP., RNG.

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

STRUCT. NO. Station	D E P T H (ft)	B L O W S (6")	U C S Qu (tsf)	M O I S T U R (%)	Surface Water Elev. _____ ft Stream Bed Elev. _____ ft Groundwater Elev.: First Encounter _____ 728.6 ft ▼ Upon Completion _____ 725.6 ft ▼ After _____ Hrs. _____ ft
Black Silty Clay (Topsoil)					
		2			
Gray Mottled Sandy Clay Loam (Fill)		3		16	
		4			
Brown Mottled Clay to Silty Clay		2			
		2	2.1	28	
		5	B		
Brown/Gray Mottled Silt to Silty Clay		2			
		1	0.7	25	
		3	B		
Brown Dirty loose Coarse Sand with Trace of Free Water		0			
		1			
		1			
Gray Sand Loam Till		0			
		1	0.5	14	
		2	B		
Gray Moderately Sorted Coarse Sand		1			
		4		13	
End of Boring		6			

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)

9/22/2006 9:26:37 AM S:\SOILS\BORING LOGS\CHAMPAIGN CNTY\HTCB I-57 TUS@PESOTUM.GPJ

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.

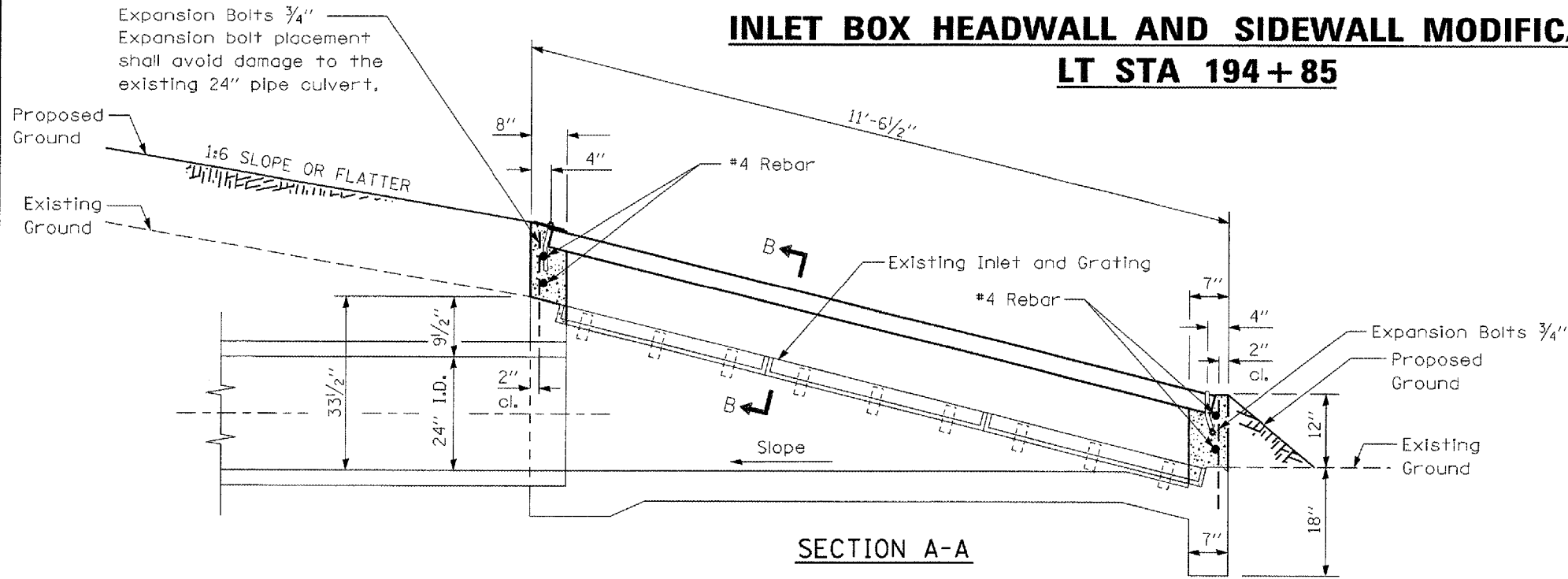
Expansion bolts shall extend a minimum 6" into new concrete.

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

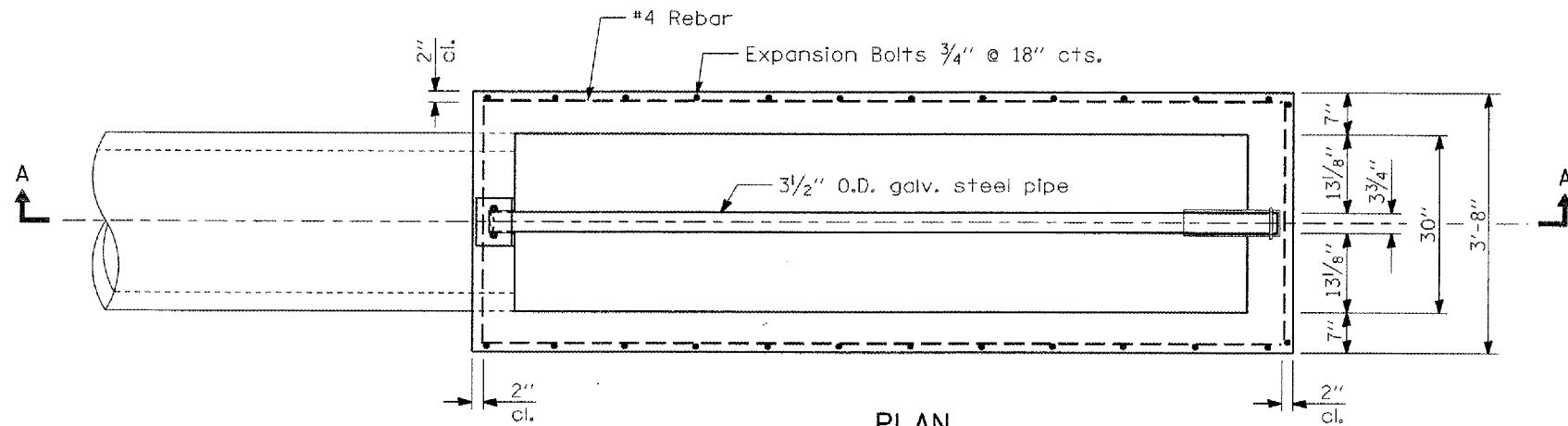
Existing angle frame and main bearing bars shall remain in place. Existing steel grating shall be removed and delivered to Tuscola maintenance storage yard at no additional cost to the state.

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

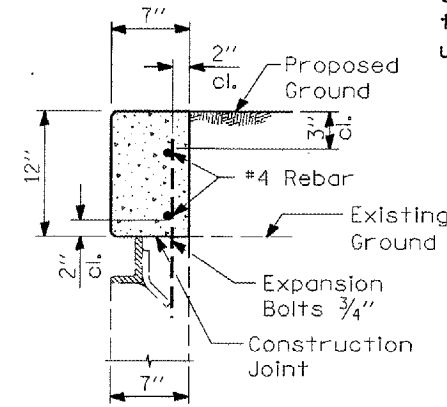
All work and materials shall be in accordance with applicable portions of Section 542. The galvanized steel pipe, steel top anchor plate, U bolts, nylon insert hex lock nuts and washers and all work associated with these items will not be measured for payment and shall be included in the contract unit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



SECTION A-A

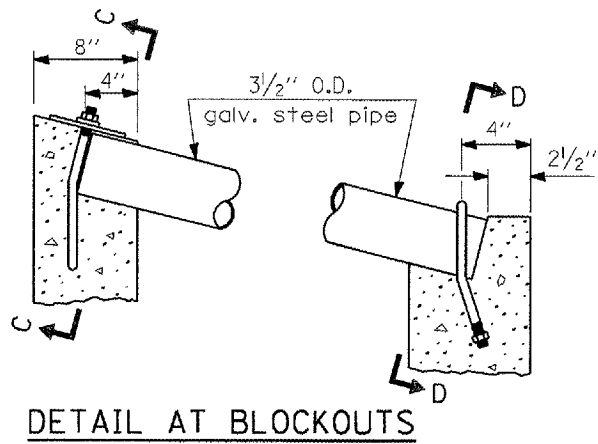


PLAN

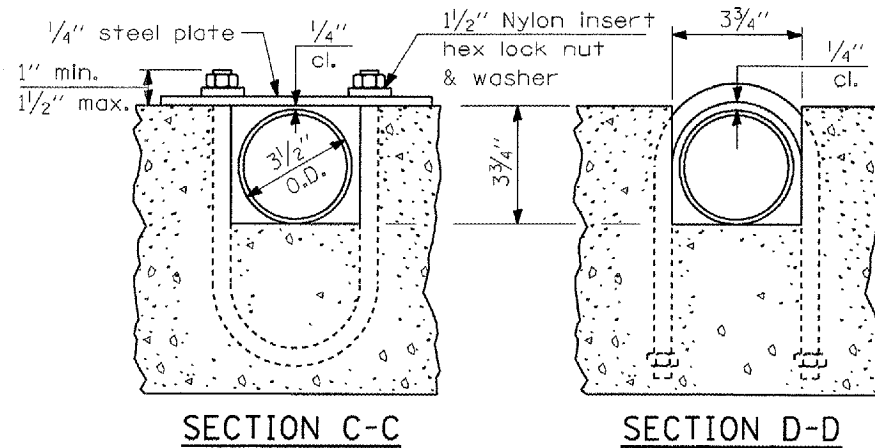


SECTION B-B

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"

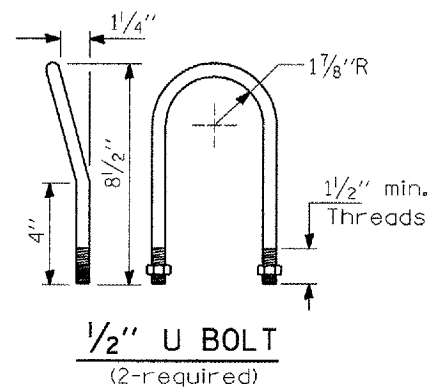


DETAIL AT BLOCKOUTS

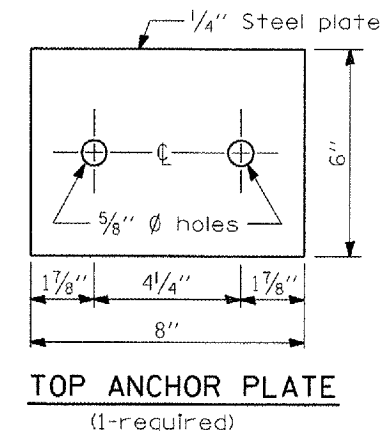


SECTION C-C

SECTION D-D



1/2" U BOLT
(2-required)



TOP ANCHOR PLATE
(1-required)

PLOT DATE: 10/31/2006
 FILE NAME: c:\pwworkspace\70547.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: jantony

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:

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

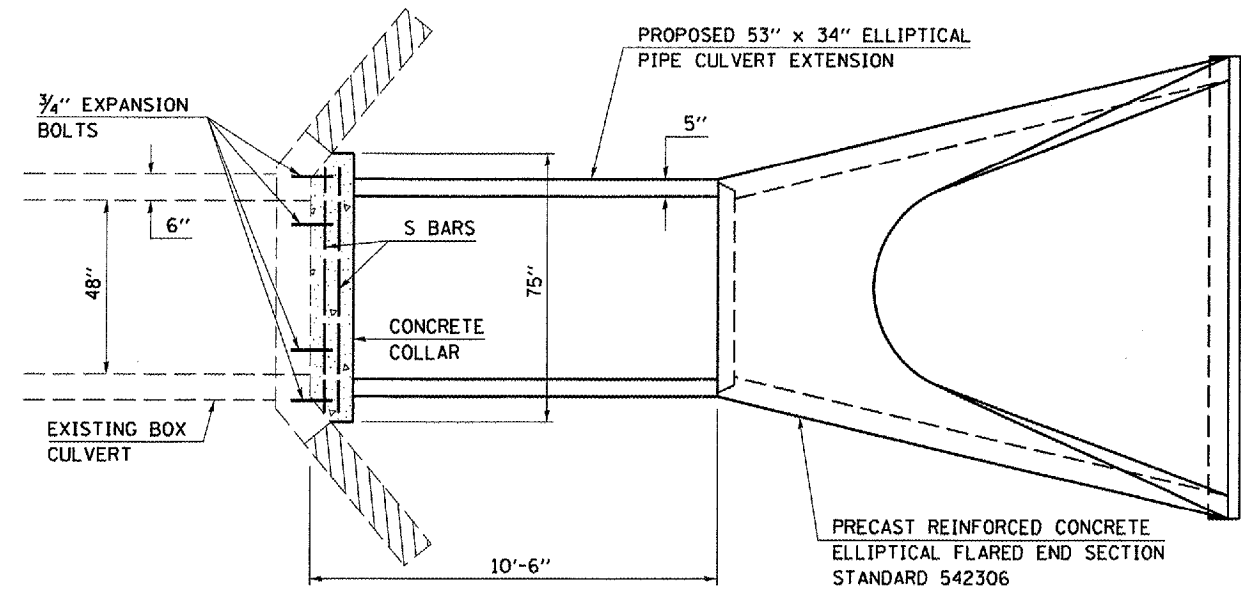
SCHEDULE OF QUANTITIES

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

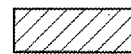
1. CLASS S1 CONCRETE SHALL BE USED THROUGHOUT.
2. EXPANSION BOLTS SHALL CONSIST OF SELF-DRILLING EXPANSION SHIELD AND 3/4"Ø HOOKED BAR. THE HOOKED BAR SHALL EXTEND 6" MINIMUM INTO CONCRETE COLLAR AND EXISTING HEADWALL.
3. THE CULVERT SHALL BE BACKFILLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
4. 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.
5. 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)

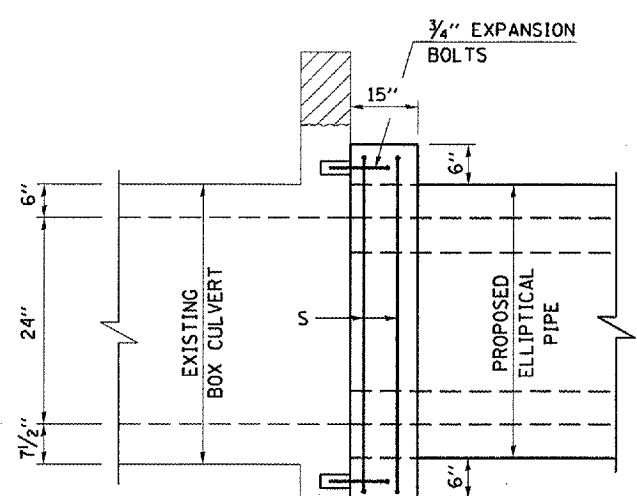


PLAN VIEW

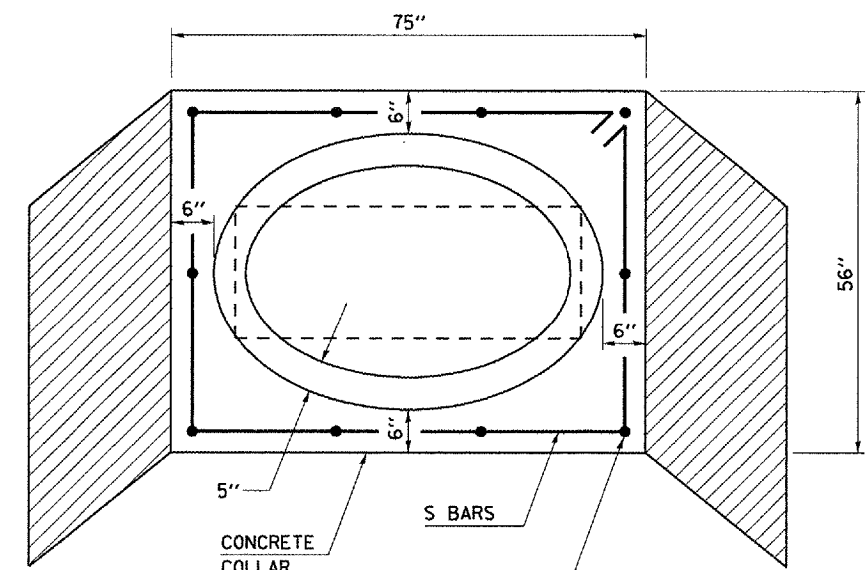
NOTE: PIPE LENGTH TO BE DETERMINED IN FIELD



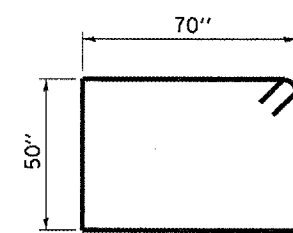
- REMOVE THAT PORTION OF THE EXISTING HEADWALL DOWN TO 12" BELOW FINISHED GRADE - IF APPLICABLE
- REMOVE ONLY THAT PORTION OF THE EXISTING WINGWALLS THAT EXTENDS PAST THE PROPOSED COLLAR FOR EASE OF CONSTRUCTION OR WHEN DEEMED NECESSARY BY THE ENGINEER
- THIS WORK WILL BE PAID FOR AS CONCRETE HEADWALL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



SIDE VIEW



END VIEW



BARS S

SIZE #5
 QUANTITY 2
 LENGTH 20'-0"

PLOT DATE: 12/1/2006
 FILE NAME: c:\projects\70547\70547.dgn
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: philipj

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

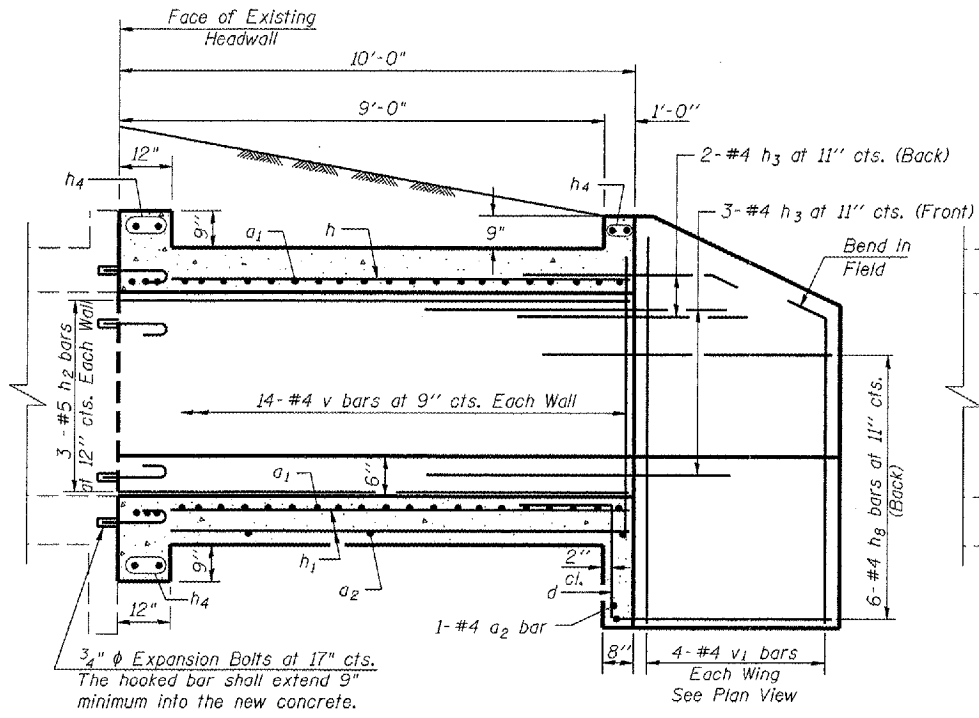
LT STA 208+00

SCALE: NA DRAWN BY: CADD
 DATE: 08/21/06 CHECKED BY:

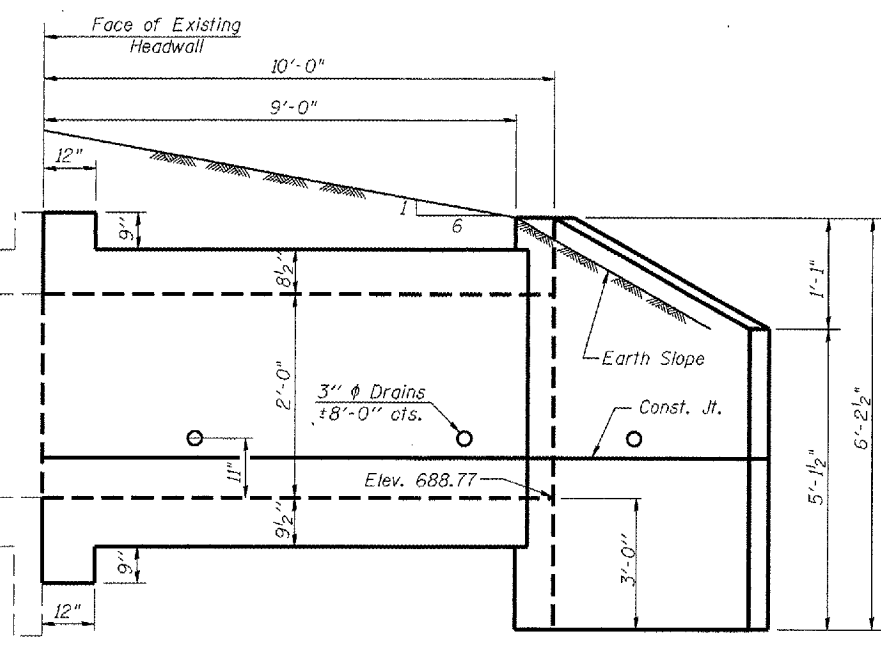
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	42

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

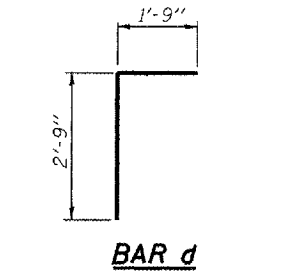
DETAIL OF BOX CULVERT EXTENSION WITH CAST-IN-PLACE BOX CULVERT



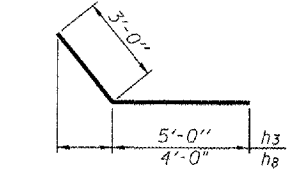
HALF LONG. SECTION



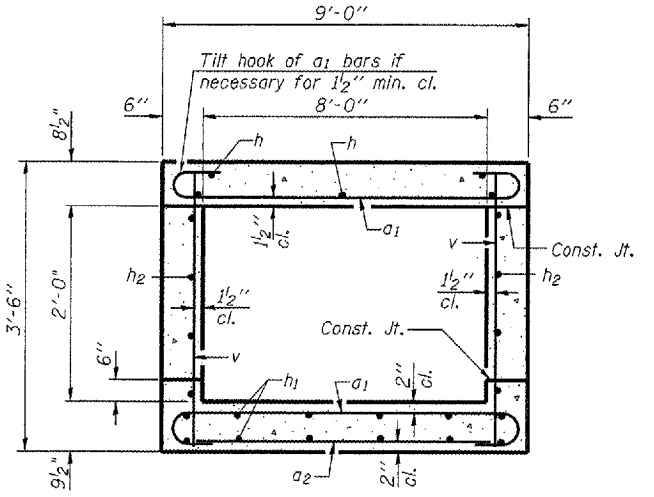
HALF ELEVATION



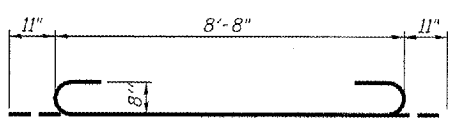
BAR d



BARS h3 & hg



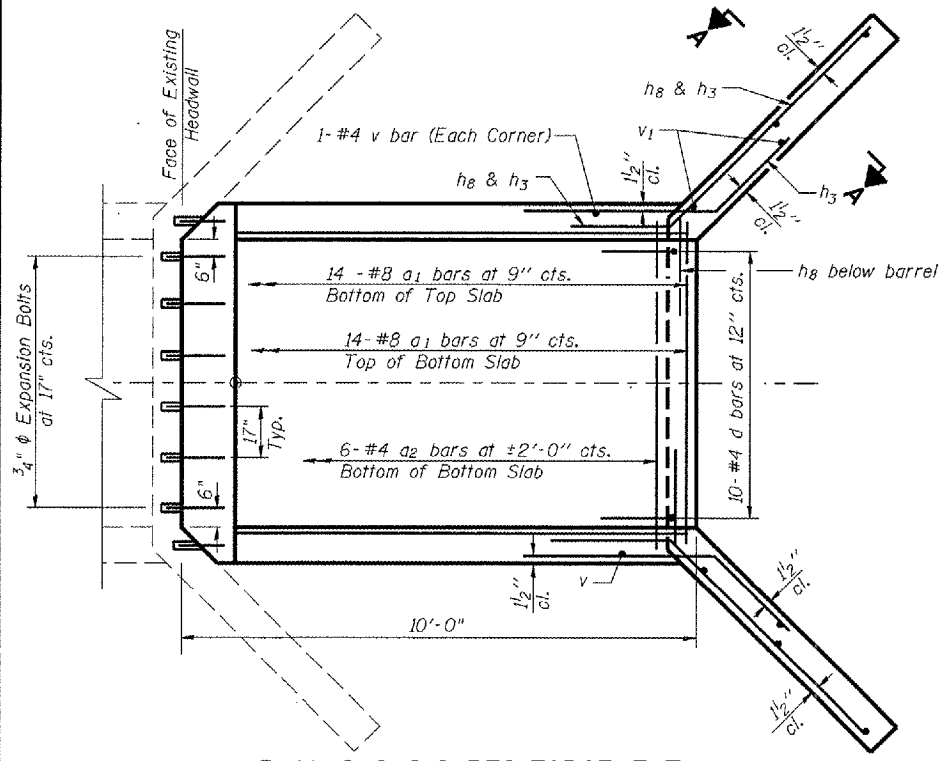
SECTION THRU BARREL



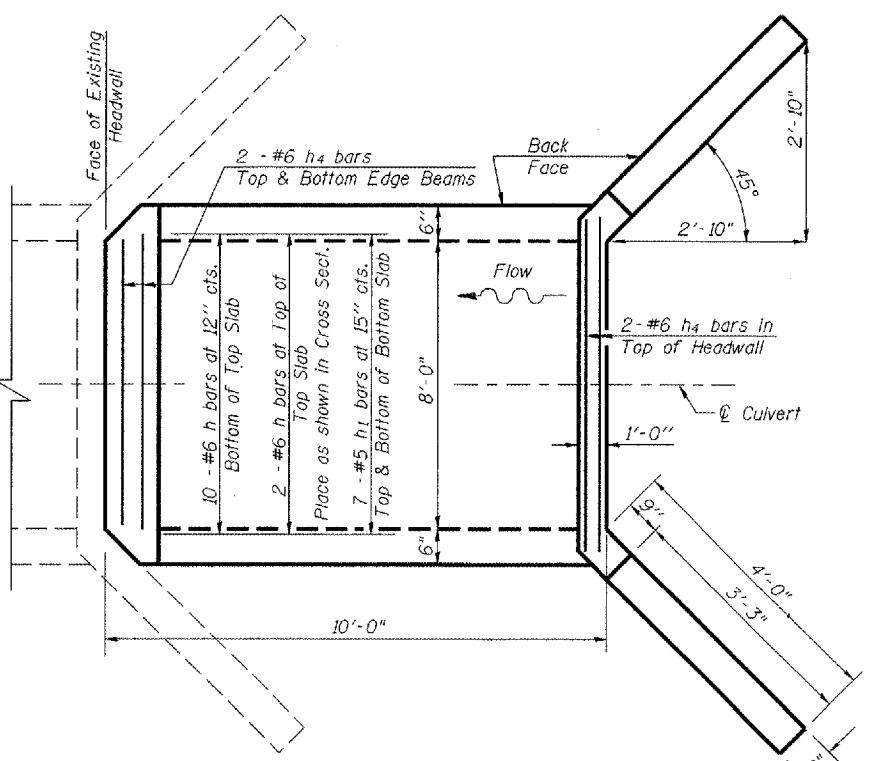
BAR a1

BILL OF MATERIAL

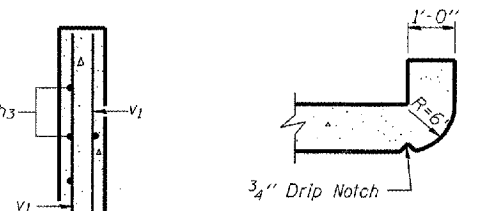
Bar	No.	Size	Length	Shape
a1	28	#8	10'-6"	
a2	7	#4	8'-3"	
d	10	#4	4'-6"	
h	12	#6	9'-8"	
h1	16	#5	9'-8"	
h2	6	#5	9'-8"	
h3	10	#4	8'-0"	
h4	6	#6	8'-8"	
h8	12	#4	7'-0"	
s	10	#4	4'-5"	
s1	20	#4	4'-7"	
v	30	#4	3'-2"	
v1	8	#4	5'-1"	
		Concrete Box Culverts	Cu. Yd.	8.9
		Reinforcement Bars	Pound	1620.0
		3/4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



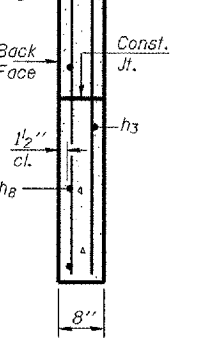
PLAN SHOWING REINFORCEMENT



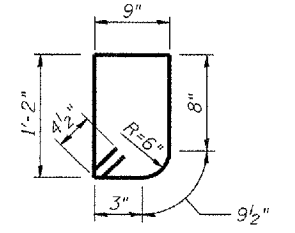
PLAN SHOWING OUTLINES



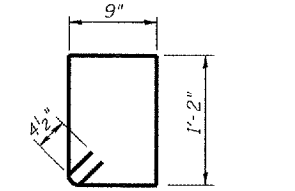
SECTION THRU HEADWALL
(Up Stream End Only)



SECTION A-A



BAR s
Headwall Stirrups @ 12" cts.



BAR s1
Top & Bottom Edge Beams
Stirrups @ 12" cts.

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.

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:

PLOT DATE: 11/2/2006
 FILE NAME: c:\pwworkspace\70547.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: pmltuser

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	43

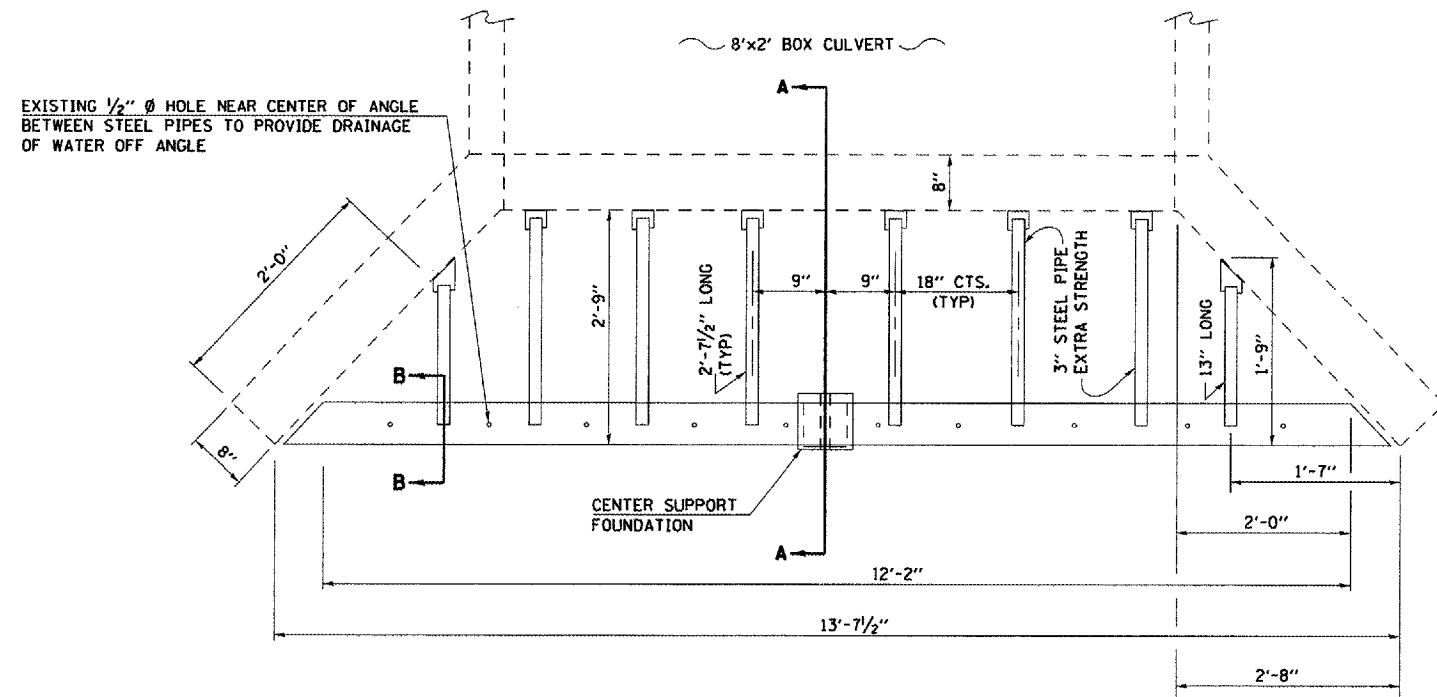
* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

REMOVE AND REINSTALL GRATING FOR CONCRETE HEADWALL STATION 225 + 00

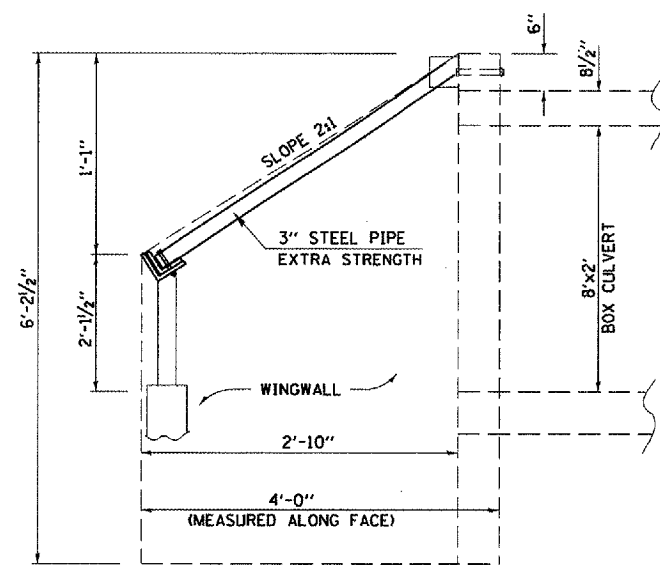
Bolts, Nuts and Washers	
Item	Number
3x3x1/4 Plate washer	10
3 x 3/4 bolts with nuts & 2 washers	4
5 x 1/2 bolts with nuts & 2 washers	8
6 x 1/2 bolts with nuts & 2 washers	8
9 1/2 x 3/4 bolts with nuts & 2 washers	4
13 1/2 x 3/4 bolts with nuts & 2 washers	6

GENERAL NOTES

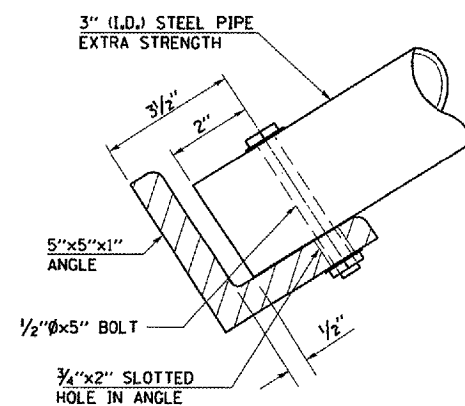
- BOLTS AND NUTS SHALL CONFORM TO A.S.T.M. A 307. ALL BOLTS SHALL HAVE WASHERS AT EACH END. HOLES SHALL BE 1/16" OVERSIZED UNLESS OTHERWISE NOTED EXCEPT IN CONCRETE WHICH SHALL BE 1/8" OVERSIZED.
- ANGLES AND STEEL PLATES SHALL CONFORM TO A.A.S.H.T.O. M 183. STEEL PIPES SHALL CONFORM TO A.S.T.M. A 53, GRADE B OR A.S.T.M. A 501.
- STEEL PIPES, ANGLES AND PLATES SHALL BE HOT DIPPED GALVANIZED CONFORMING TO THE REQUIREMENTS OF A.A.S.H.T.O. M 111.
- BOLTS, NUTS AND WASHERS SHALL BE HOT DIPPED GALVANIZED CONFORMING TO THE REQUIREMENTS OF A.A.S.H.T.O. M 232.
- 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.
- 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".
- 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.
- 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.



PLAN



SIDE VIEW OF WINGWALL
 SECTION A-A



END VIEW OF GRATE
 SECTION B-B

SHEET 1 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:

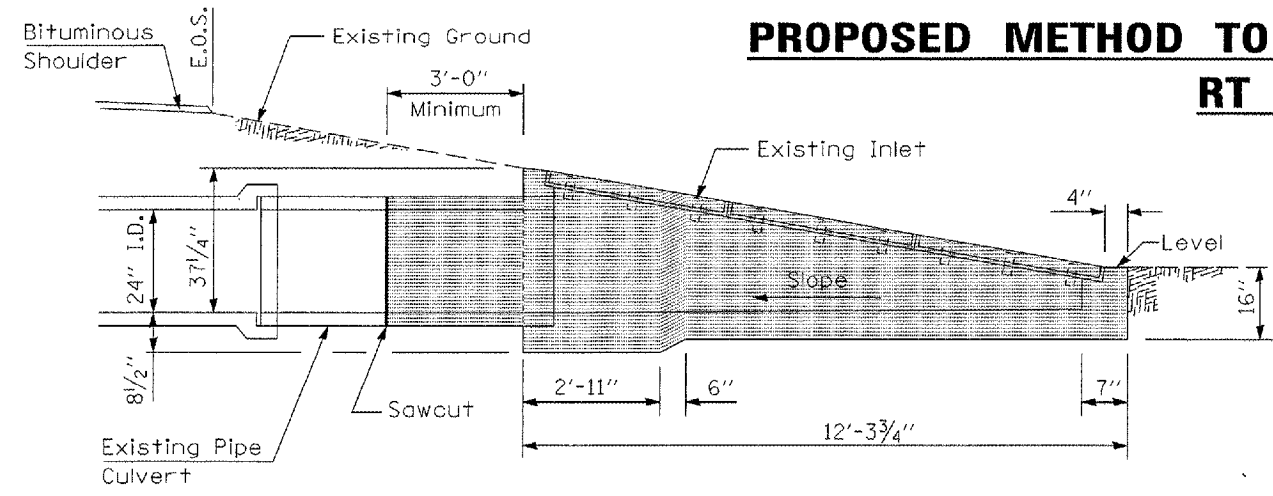
LOCATION #2 PESOTUM

PLOT DATE: 12/1/2006
 FILE NAME: c:\projects\0506185 (4)\drawings\70547.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: pmlt101

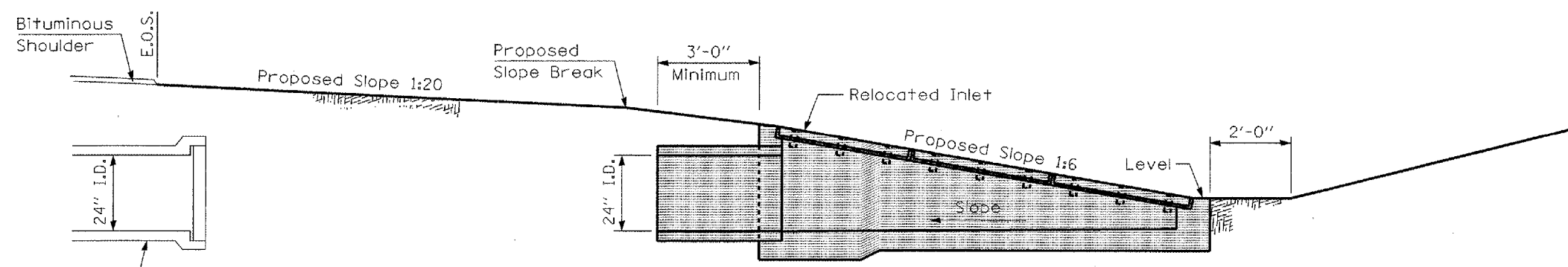
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	45

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

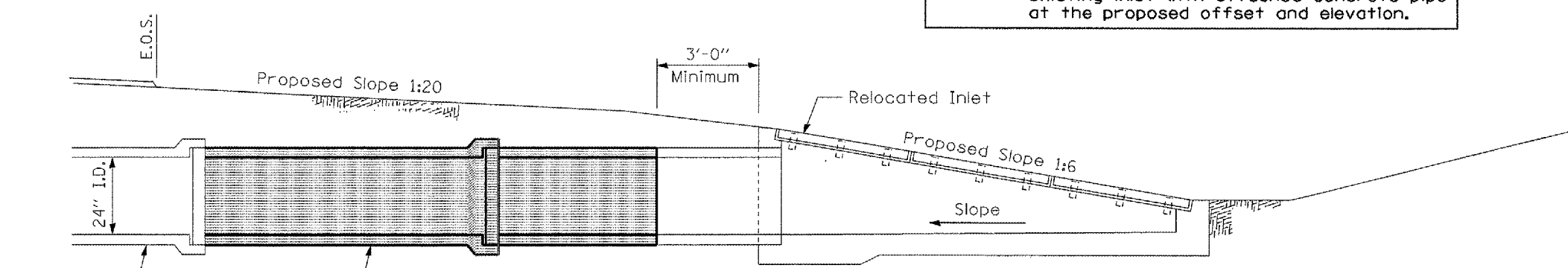
PROPOSED METHOD TO REMOVE AND RELOCATE INLETS RT STA 723+00



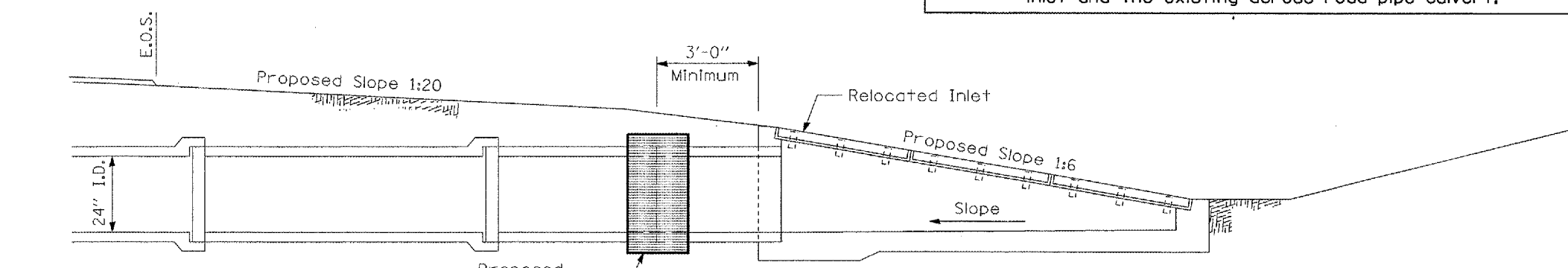
Step 1. Excavate earth adjacent to the existing inlet and 24" concrete pipe in such a manner to avoid damage to the inlet and concrete pipe. Sawcut exposed concrete pipes then remove and store inlet with 3 foot (minimum length) of existing 24" pipe still attached to the inlet headwall.



Step 2. Build proposed embankment and install the existing inlet with attached concrete pipe at the proposed offset and elevation.



Step 3. Install new sections of 24" pipe between the relocated inlet and the existing across road pipe culvert.



Step 4. Construct concrete collar and backfill in accordance with the standard specifications.

Notes:

Original design for existing inlet is unavailable. Dimensions shown are based on above ground field measurements (±). Below ground dimensions are based on current standards and may not be accurate.

The contractor will be responsible for verifying pipe lengths prior to ordering. The Contractor will be responsible for verifying compatibility of pipe joining (existing bell and spigot dimensions). An additional concrete collar may be required. If required, concrete collars will be paid for at the contract unit price, per cubic yard for Concrete Collars, including all material and labor specified to complete the work in place.

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.

PLOT DATE: 10/20/2006
 FILE NAME: c:\p0\p05\70547\70547.dgn
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: phillips

ILLINOIS DEPARTMENT OF TRANSPORTATION

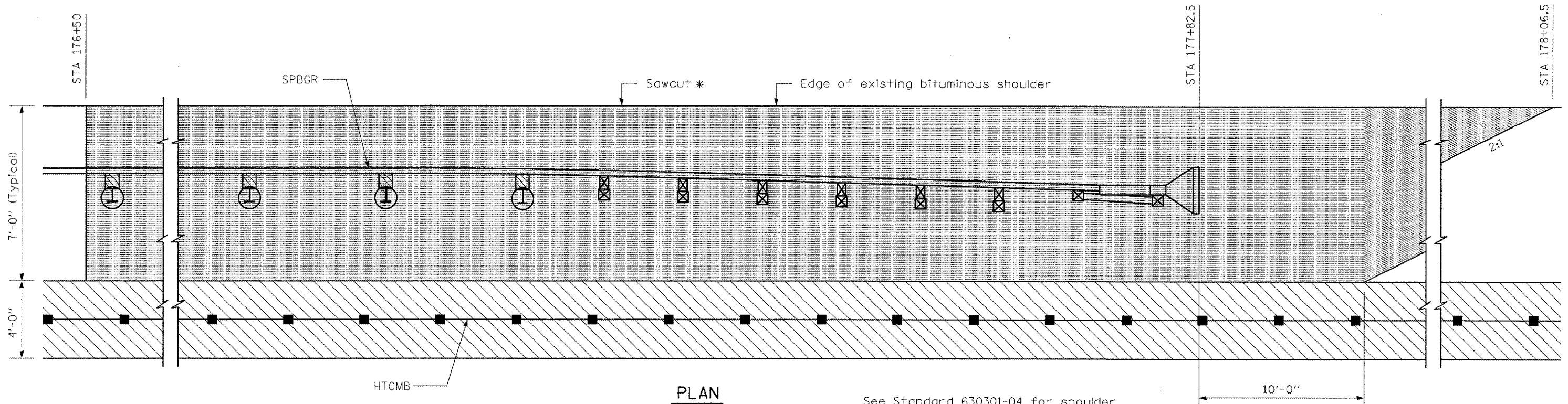
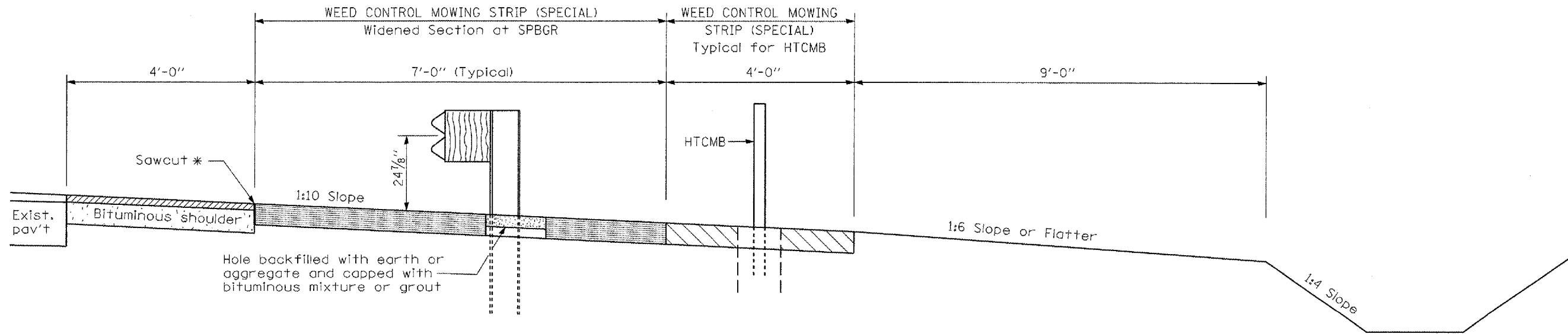
**PROPOSED METHOD TO
 REMOVE AND RELOCATE INLETS
 RT STA 723+00**

SCALE: NA
DATE: 09/29/06
DRAWN BY: CADD
CHECKED BY:

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



PLAN

* 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

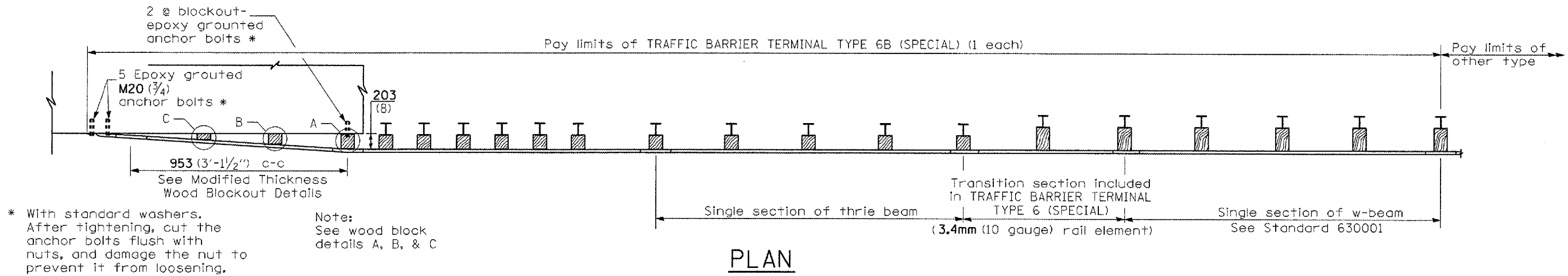
PLOT DATE: 10/31/2006
 FILE NAME: c:\projects\70547\70547.dgn
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: phillips

TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)

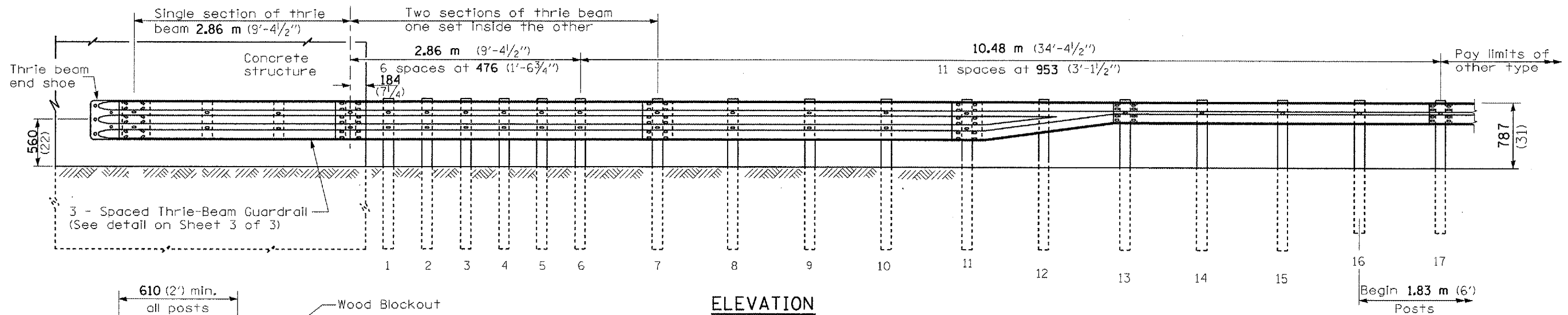
STA 744+97 TO STA 745+52

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

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



PLAN



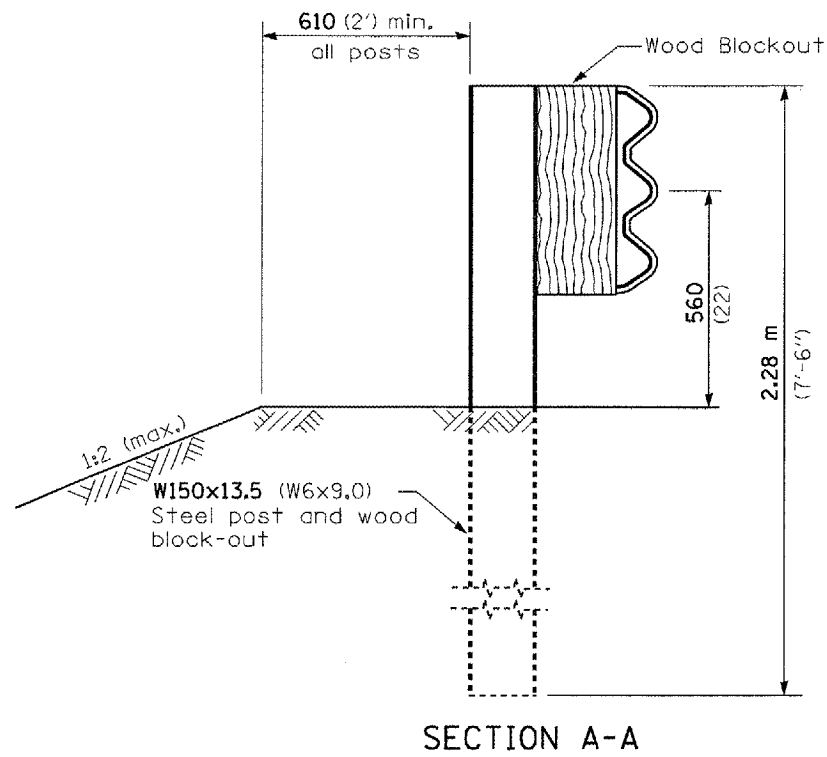
ELEVATION

GENERAL NOTES

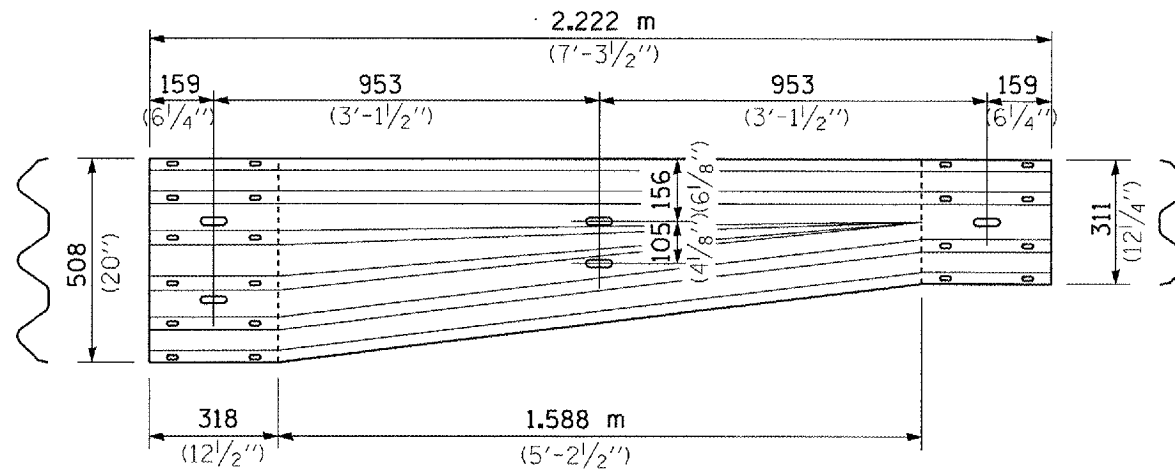
See Standard 630001 for details of guardrail not shown.

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).



SECTION A-A



TRANSITION SECTION

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

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:

LOCATION #3 FARMER CITY

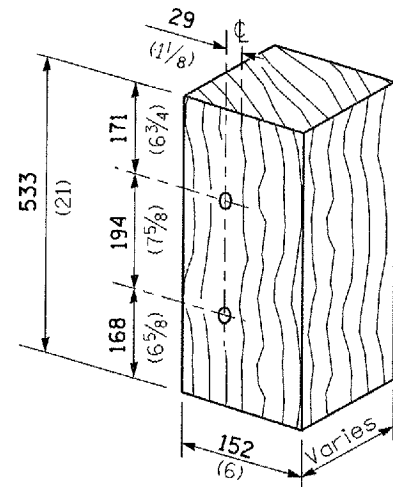
PLOT DATE: 10/30/2006
 FILE NAME: c:\p\proj\70547\70547.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: philip

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

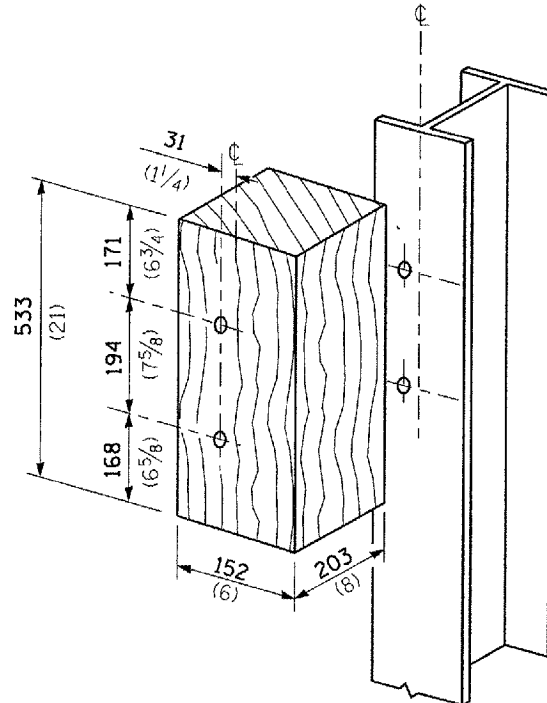
* D5 CABLE GUARD 2007-2
 ** CHAMPAIGN, DEWITT & DOUGLAS

TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)

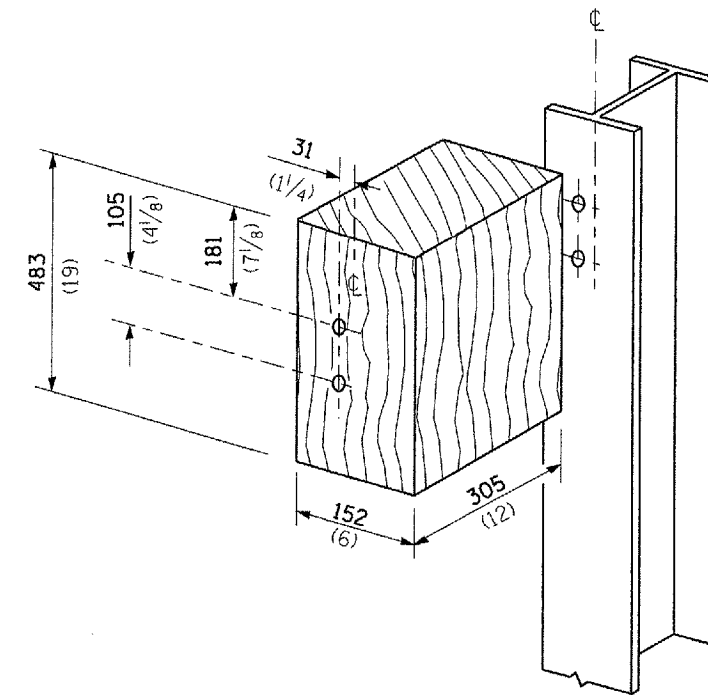
STA 744+97 TO STA 745+52



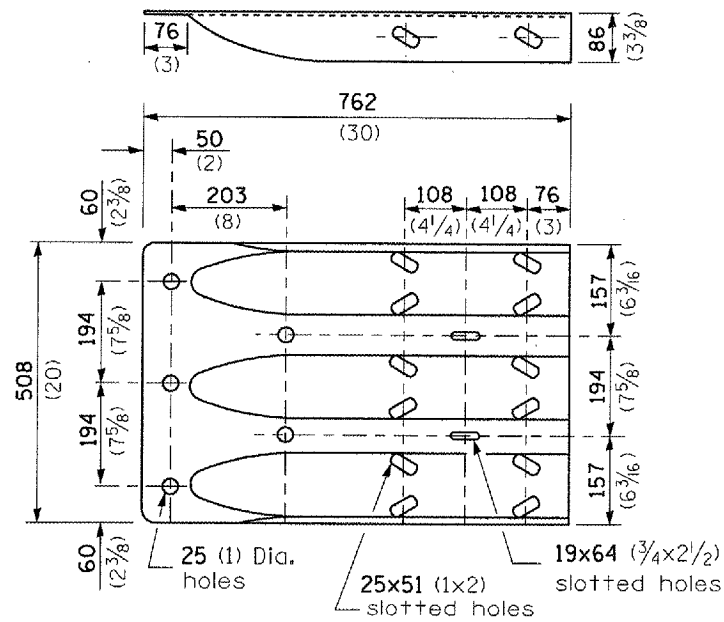
MODIFIED THICKNESS WOOD BLOCKOUT DETAIL



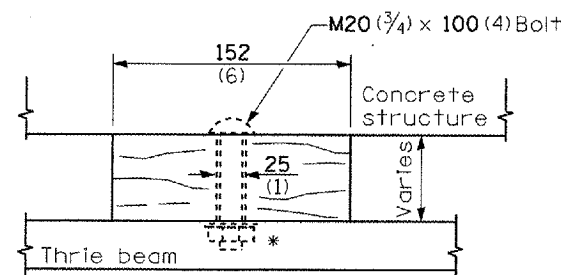
POSTS 1-11 WOOD BLOCKOUT DETAIL



POST 12 WOOD BLOCKOUT DETAIL
 (See Standard 630001 for post 13-17 blockouts.)

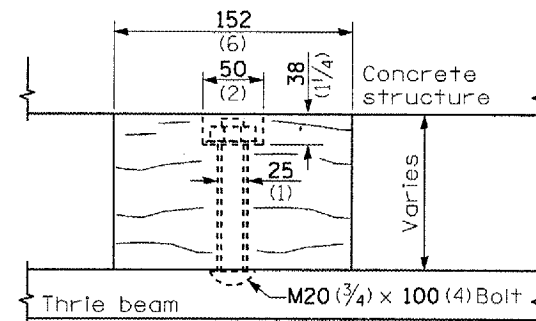


THRIE BEAM END SHOE DETAIL

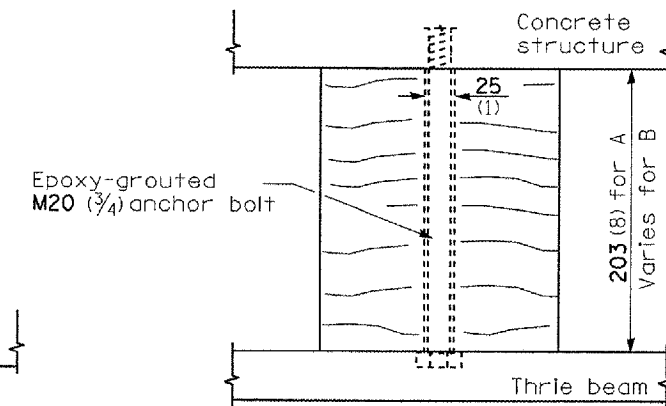


WOOD BLOCKOUT C

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:

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

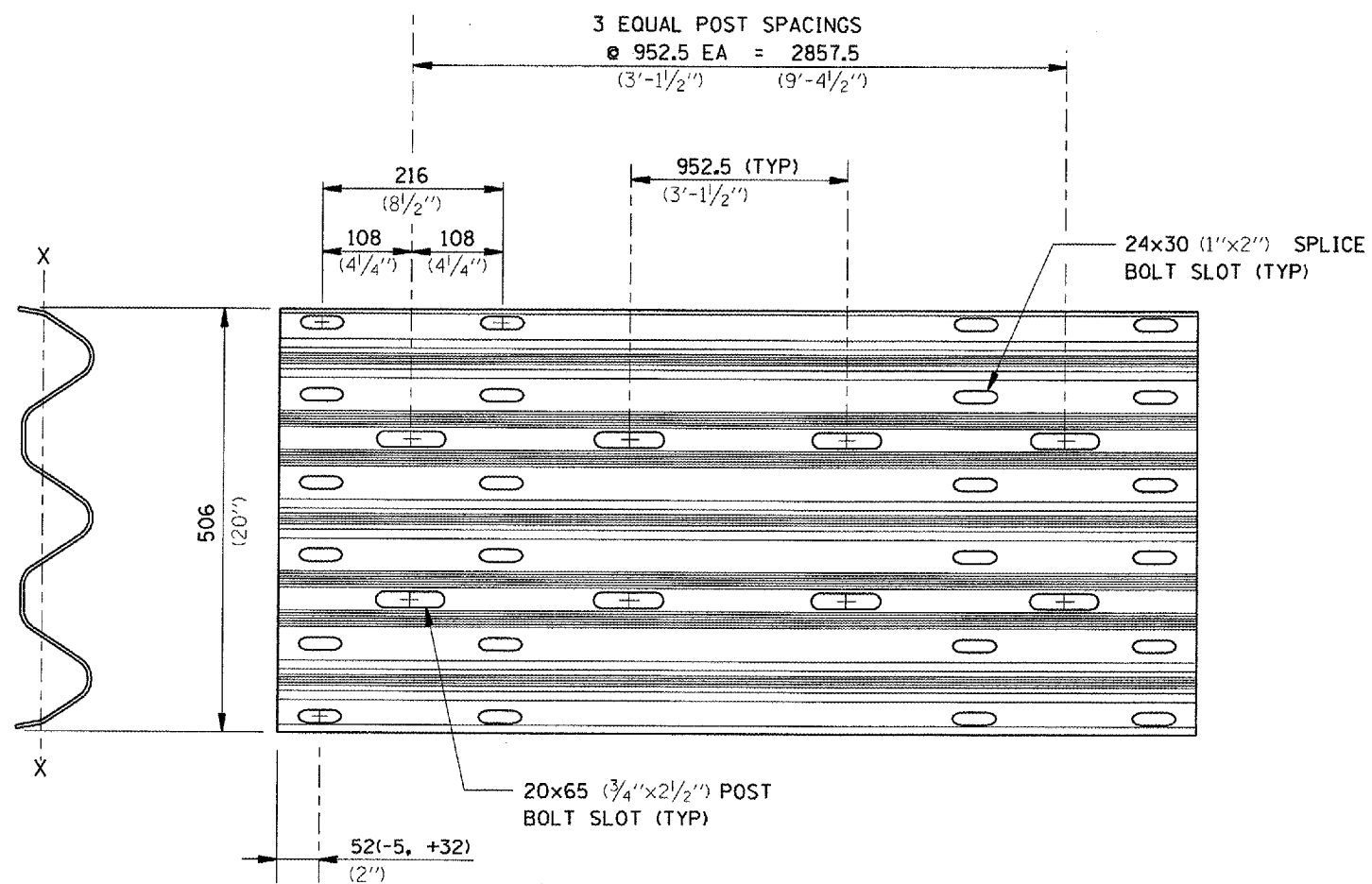
LOCATION #3 FARMER CITY

PLOT DATE: 10/30/2006
 FILE NAME: c:\projects\70547\70547.dgn
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: philip

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	49

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

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



**3 - SPACED THRIE-BEAM GUARDRAIL
 SPECIAL RTM04a-b**

INTENDED USE:

The 3-Spaced Thrie-Beam Guardrail (Special) is designed to shorten the standardized Thrie-Beam section to enable attachment to bridge parapet walls less than 15.0 feet in length. Shop fabrication is required before the section is galvanized. No field cutting or recoating shall be allowed.

SPECIFICATIONS:

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 29 1/2" (750 mm). Corrosion protection shall be Type II (zinc-coated).

SHEET 3 OF 3

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

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

SCALE: NA
 DATE: 09/27/06
 DRAWN BY: CADD
 CHECKED BY:

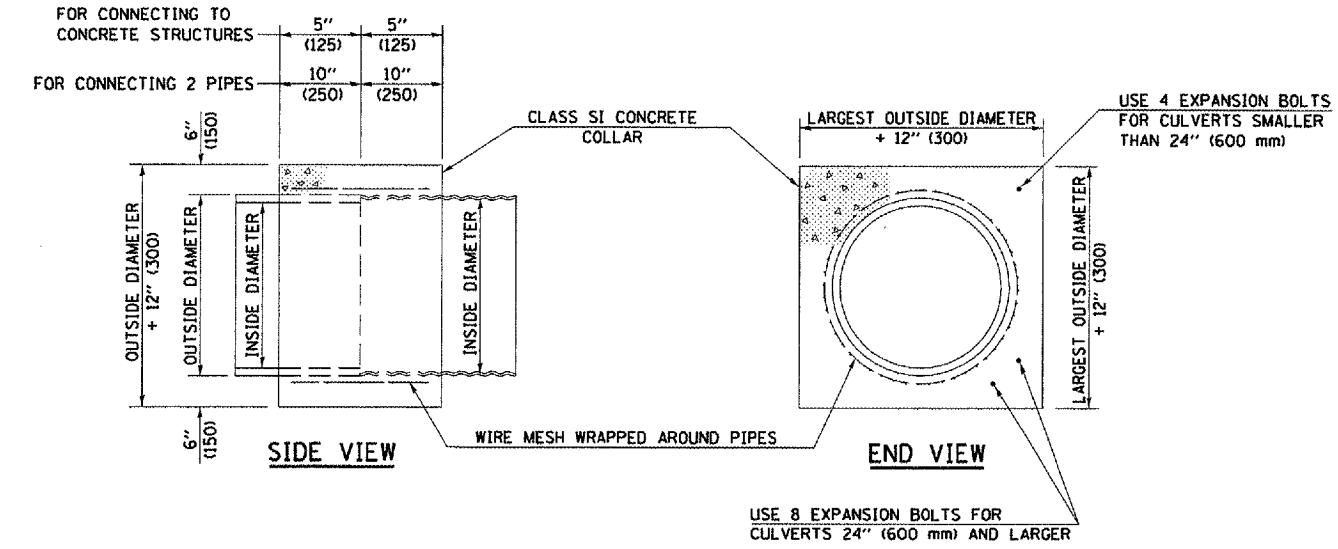
LOCATION #3 FARMER CITY

PLOT DATE: 10/30/2006
 FILE NAME: c:\projects\70547\rtm04a-b.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: philipj

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	
			NAME	DATE
DESIGNED	J.M.H.	4-80		
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.

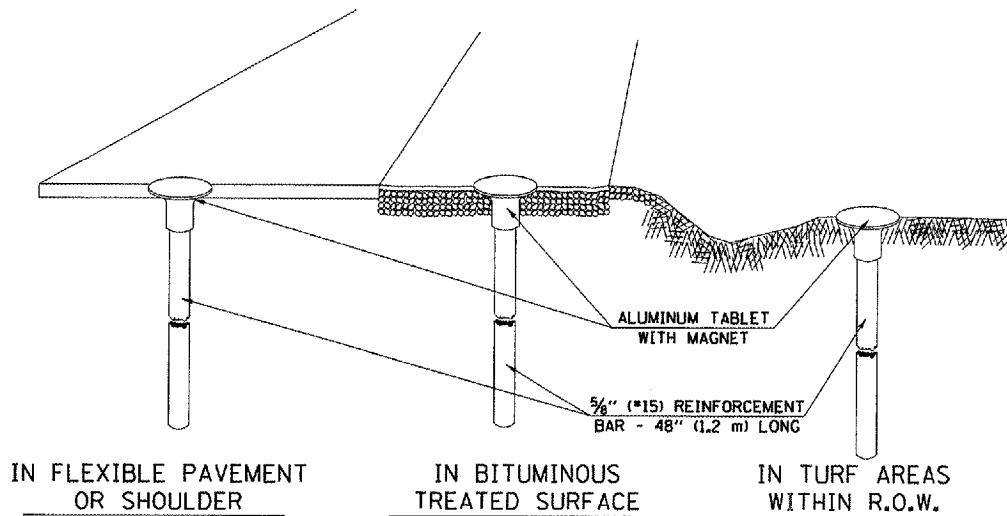
PLOT DATE: 10/20/2005
 FILE NAME: c:\projects\70547.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips

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)

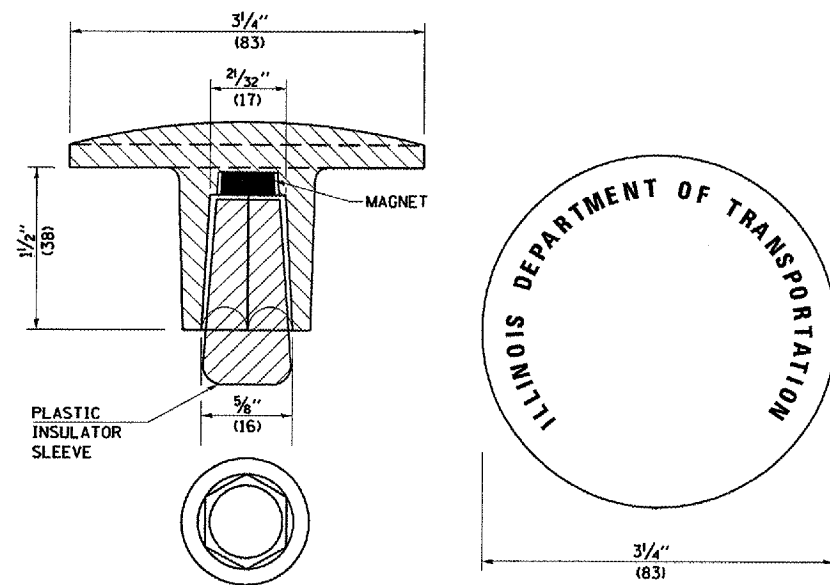
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER

IN BITUMINOUS TREATED SURFACE

IN TURF AREAS WITHIN R.O.W.



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

GENERAL NOTES

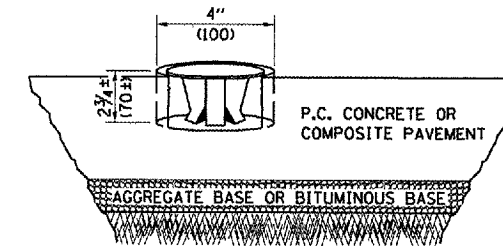
1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE 1, (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE SURVEY MARKER.
2. ALL SURVEY MARKERS, TYPE 1, (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY 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 1/2" (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.

SPECIFICATIONS FOR ALUMINUM TABLET

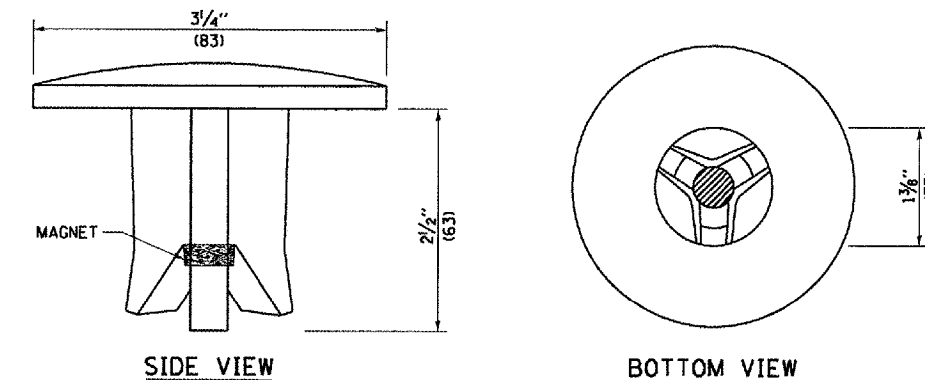
SURVEY CAP FOR REBAR. 3/4" (83 mm) CONVEX SURVEY CAP FOR 5/8" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/2" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS 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 CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1 1/2" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%;
 STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa).
 ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE 5/8" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR 5/8" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.



SIDE VIEW

BOTTOM VIEW

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

GENERAL NOTES

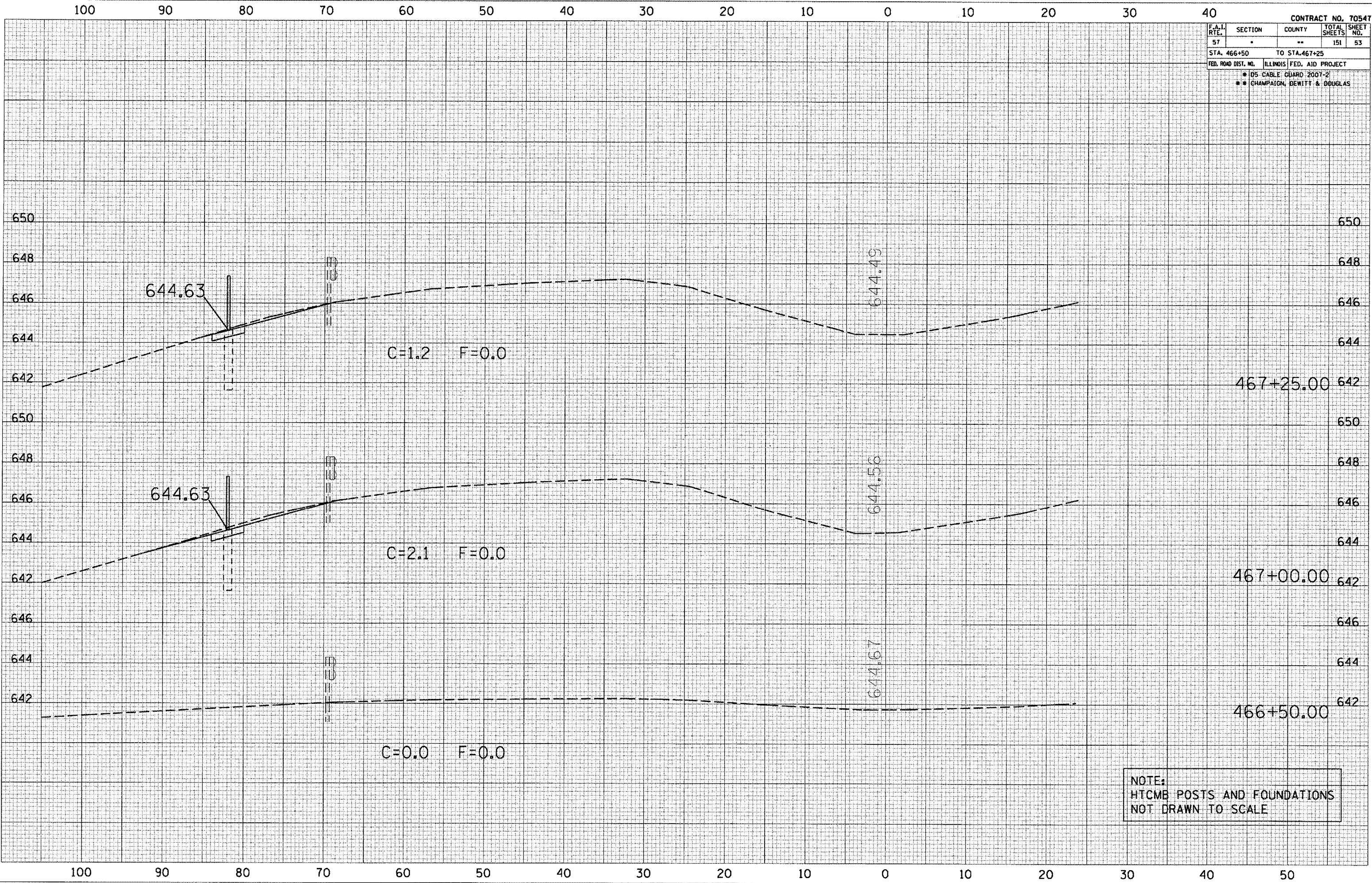
1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL 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 ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	53
STA. 466+50 TO STA. 467+25				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 05 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	BY
SURVEYED	PILOTED
NOTE BOOK	AREAS CHECKED
NO.	

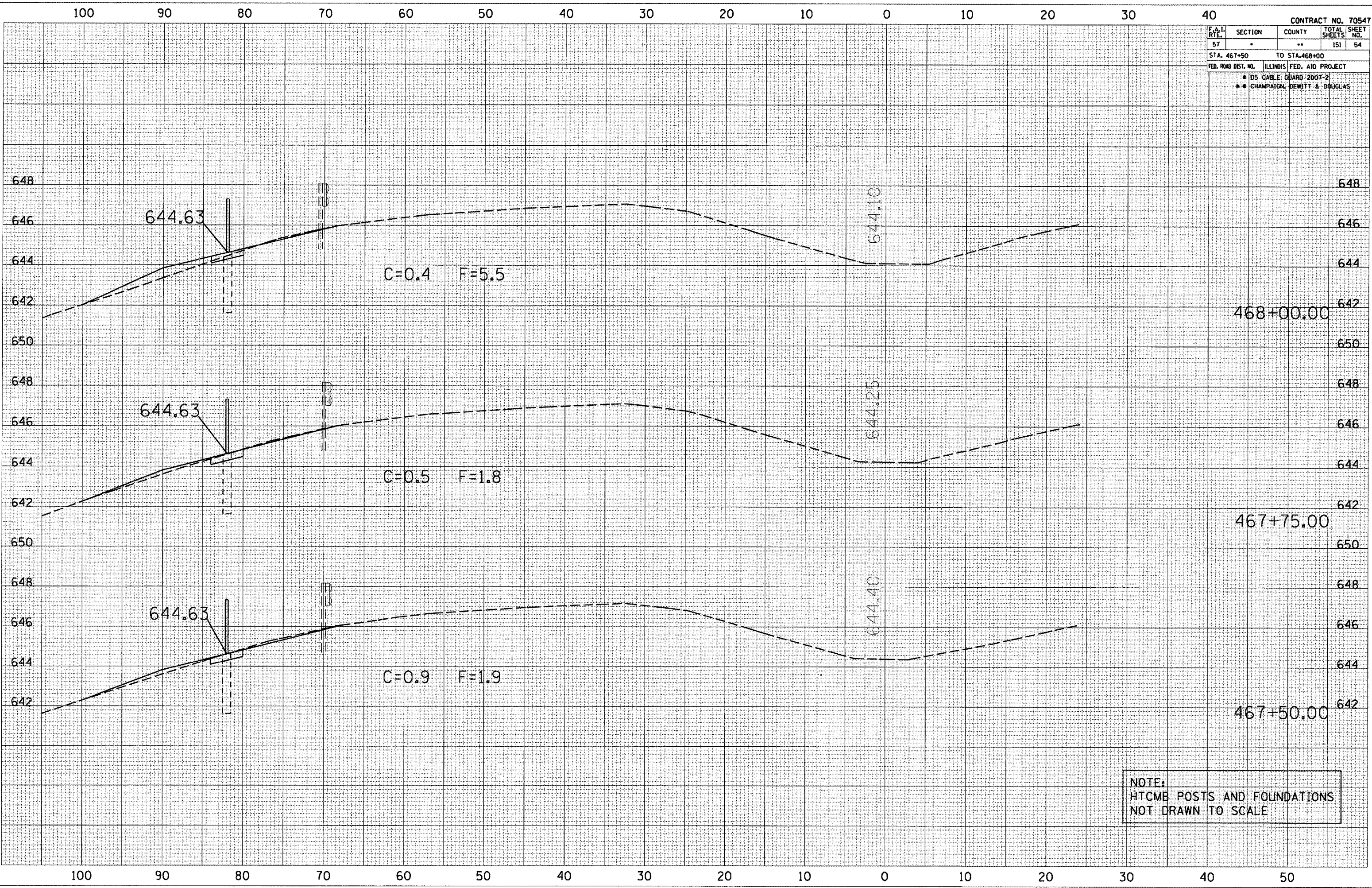
DATE	BY
SURVEYED	PILOTED
NOTE BOOK	AREAS CHECKED
NO.	

PLOT DATE * 10/20/2006
 FILE NAME * c:\p30\p30\p30188 (4)\tussola\p30188.dwg
 PLOT SCALE * 1/8" = 1'-0"
 USER NAME * phillipsj



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57		**	151	54
STA. 467+50 TO STA. 468+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



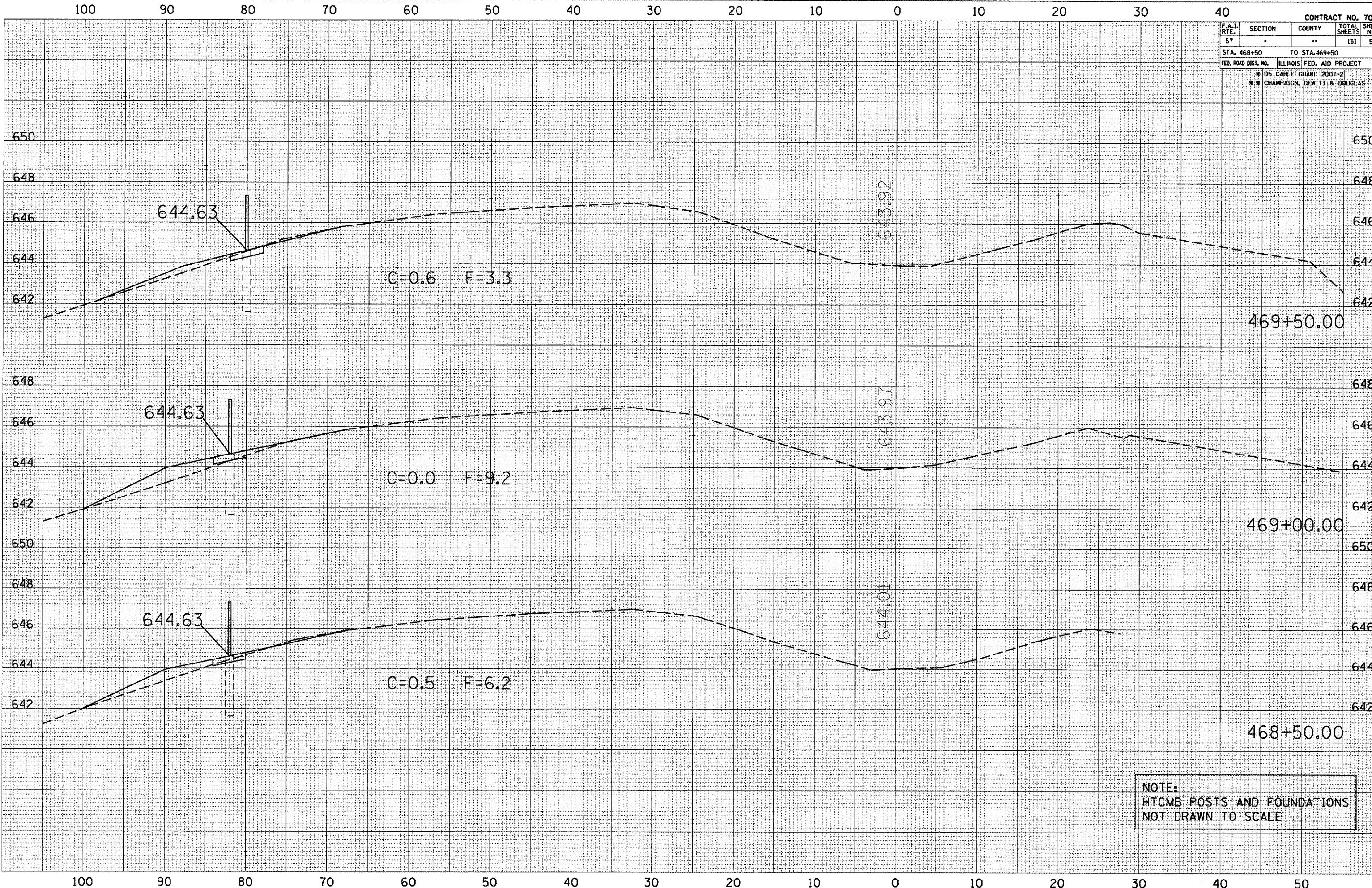
NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

DATE _____
BY _____
SURVEYED _____
P. LOTTED _____
NOTE BOOK _____
AREAS CHECKED _____

DATE _____
BY _____
SURVEYED _____
P. LOTTED _____
NOTE BOOK _____
AREAS CHECKED _____

PLOT DATE: 10/20/2006
FILE NAME: c:\p-9\peta\468\468186.tbl
PLOT SCALE: 1/8" = 10'-0"
USER NAME: phillips

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	151	55
STA. 468+50 TO STA. 469+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* DS CABLE GUARD 200T-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



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

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

PLOT DATE: 10/20/2006
 FILE NAME: c:\projects\70547\102006\102006.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips

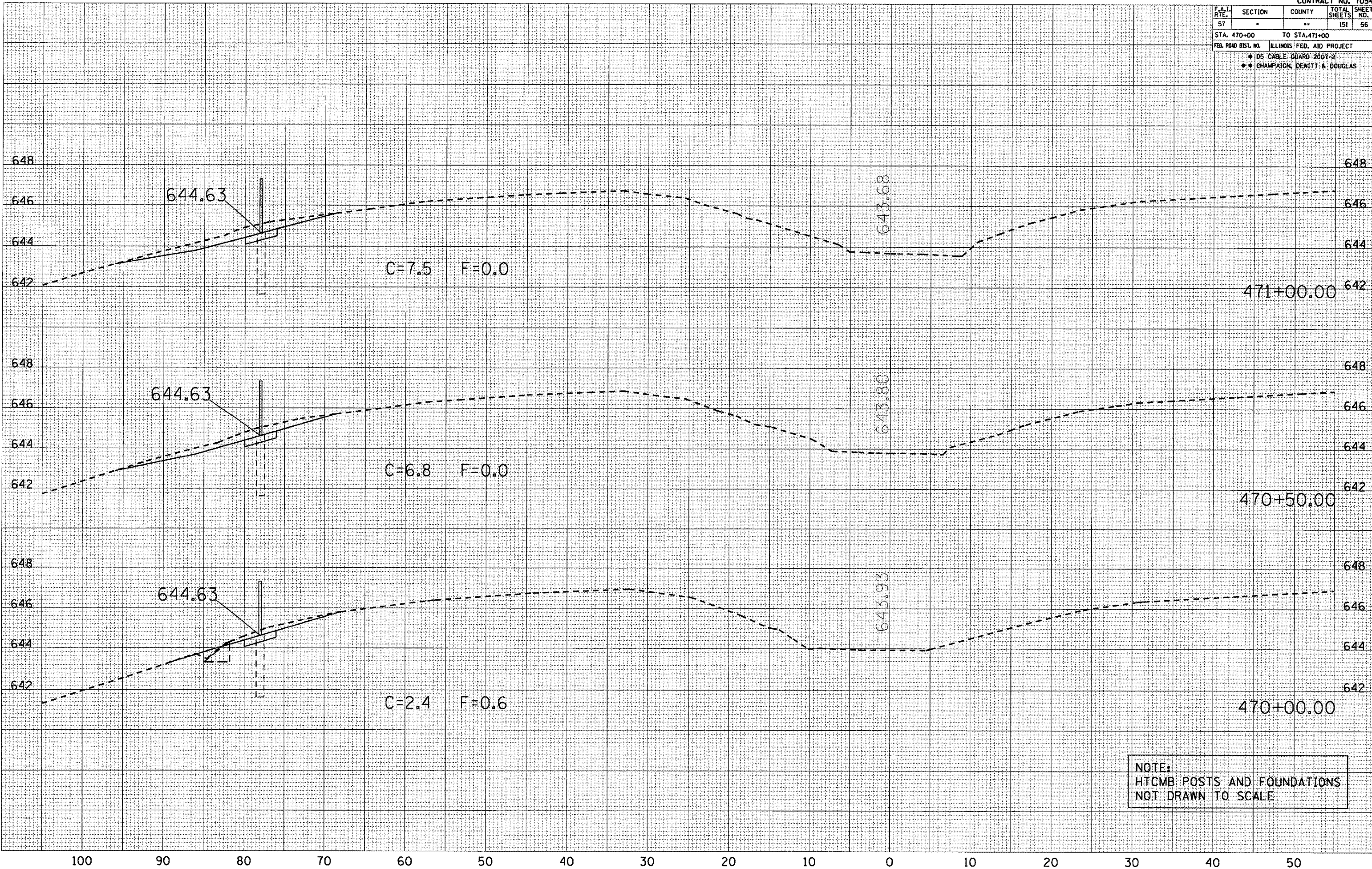
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	"	**	151	56
STA. 470+00 TO STA. 471+00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* DS CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

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

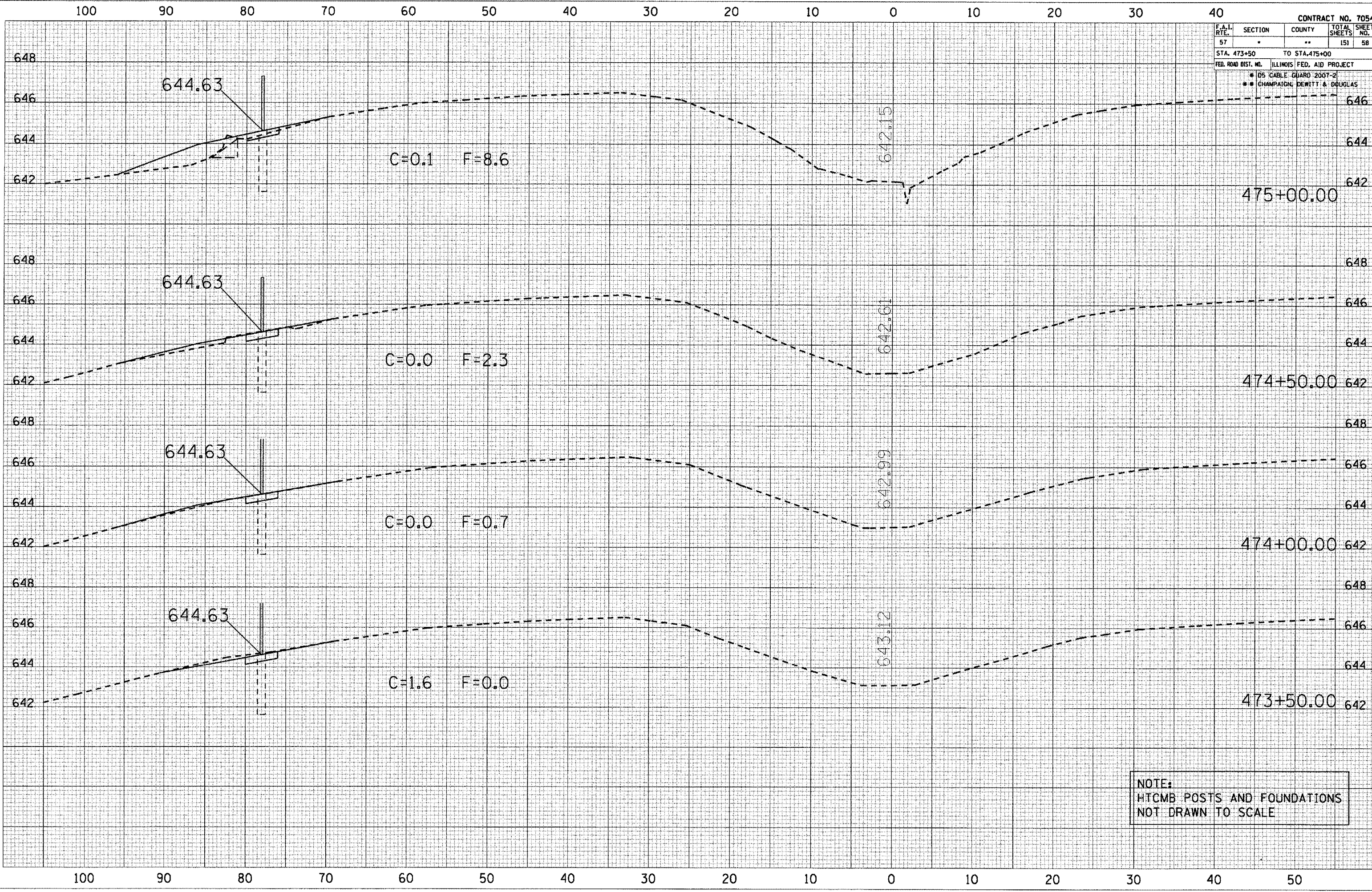
BY _____ DATE _____
 ORIGINAL SURVEY _____
 SURVEY PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

PLOT DATE: 10/20/2006
 FILE NAME: c:\projects\70547\70547.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	"	**	151	58
STA. 473+50		TO STA. 475+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		* 105 CABLE GUARD 2007-2		
		* CHAMPAIGN DEWITT & DOUGLAS		



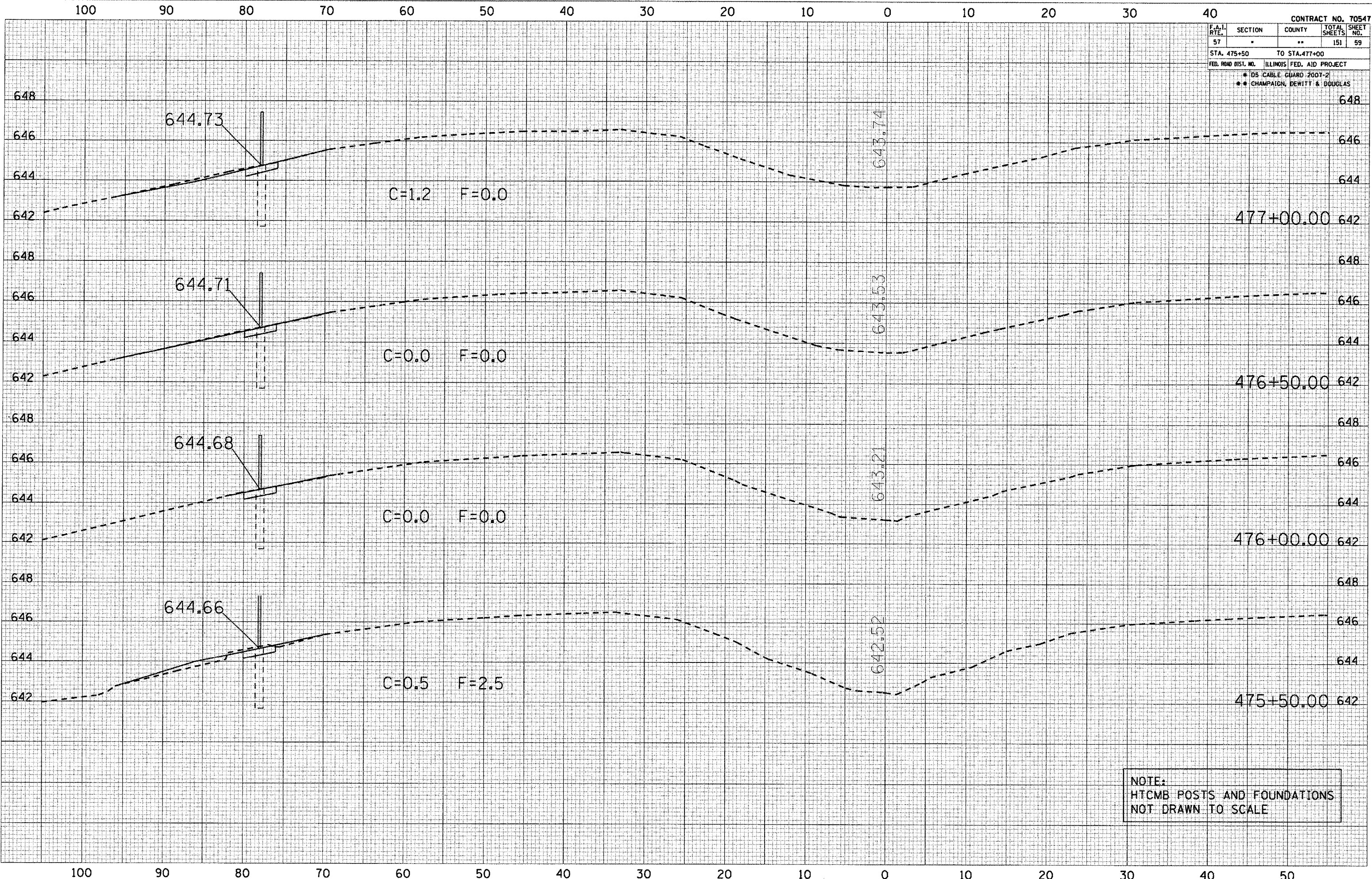
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

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

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

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

CONTRACT NO. 70547				
F.A.I. RY.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	"	**	151	59
STA. 475+50		TO STA. 477+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* DS CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				



NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

BY _____ DATE _____
SURVEYED _____
PLOTTED _____
NOTE BOOK _____
AREAS CHECKED _____

BY _____ DATE _____
SURVEYED _____
PLOTTED _____
NOTE BOOK _____
AREAS CHECKED _____

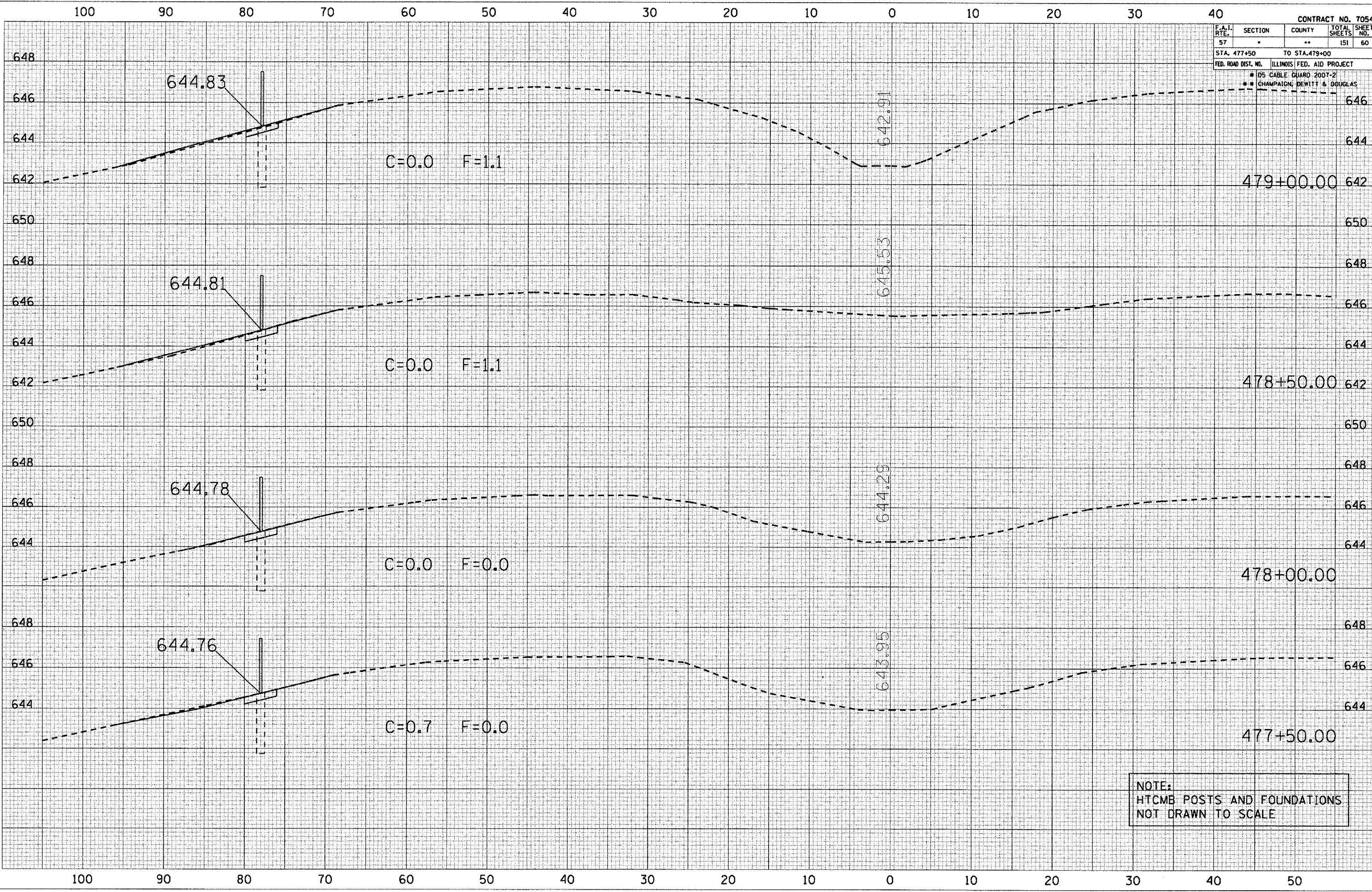
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PLOT SCALE: 1/8" = 1'-0"
USER NAME: phillips

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	"	**	151	60
STA. 477+50		TO STA. 479+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		* 05 CABLE GUARD 2007-2		
		* CHAMPAIGN, DEWITT & BOUGLAS		

DATE	BY	NOTE

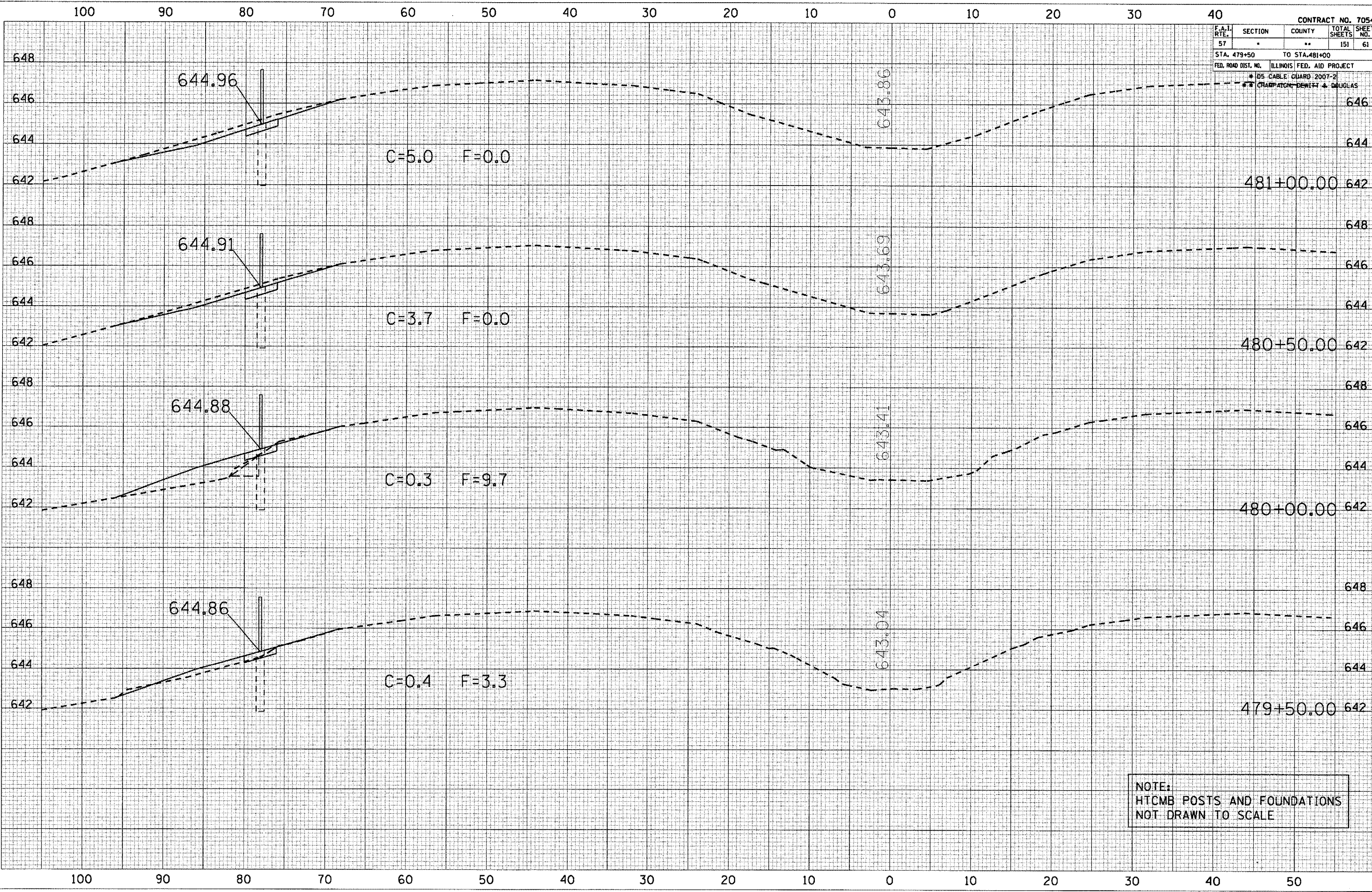
DATE	BY	NOTE

PLOT DATE: 10/20/2006
 FILE NAME: c:\projects\70547\70547.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	61
STA. 479+50 TO STA. 481+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 105 CABLE GUARD 2007-2				
** CHAMPAGNE, DEWITT & DOUGLAS				



NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

DATE: _____
BY: _____
SURVEYED: _____
PLOTTED: _____
NOTE BOOK: _____
AREAS CHECKED: _____

DATE: _____
BY: _____
SURVEYED: _____
PLOTTED: _____
NOTE BOOK: _____
AREAS CHECKED: _____

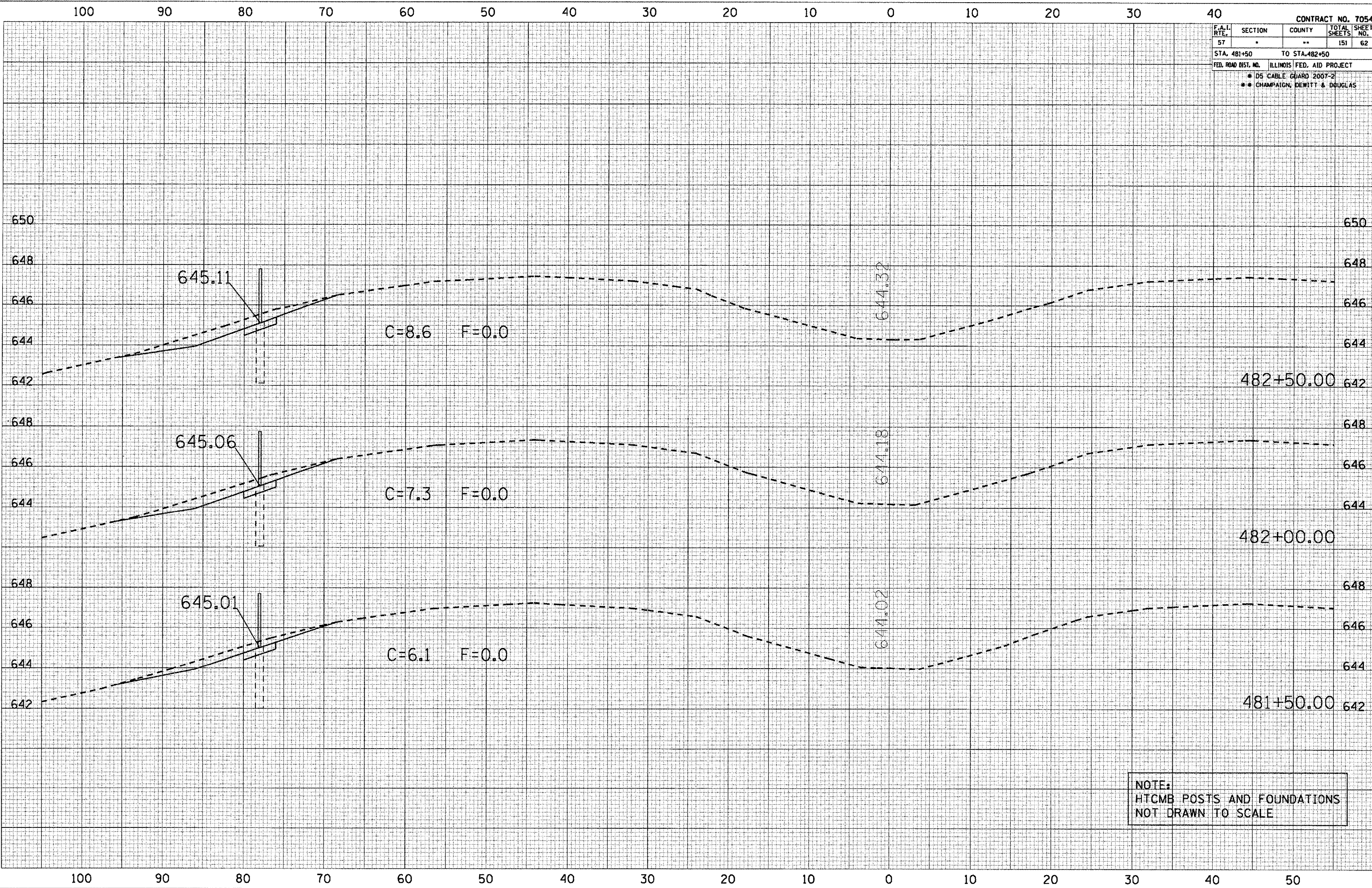
PLOT DATE: 10/20/2006
FILE NAME: c:\projects\70547\70547.dwg
PLOT SCALE: 1/8" = 1'-0"
USER NAME: philip

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	62
STA. 481+50 TO STA. 482+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	BY

DATE	BY

PLOT DATE * 10/20/2006
 FILE NAME * c:\projects\70547\70547.dwg
 PLOT SCALE * 1/8"=1'-0"
 USER NAME * phillips



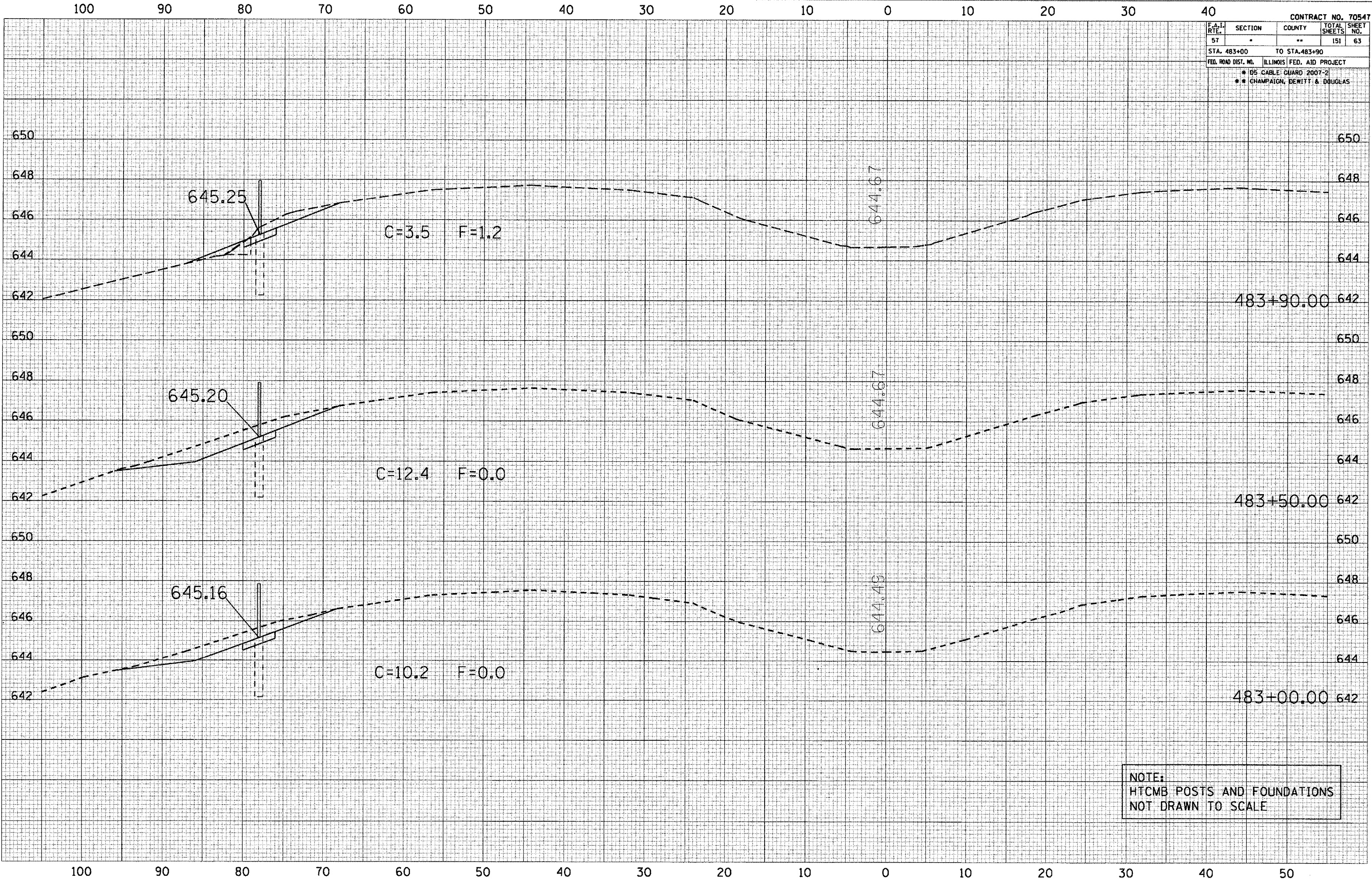
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	"	**	151	63
STA. 483+00 TO STA. 483+90				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* DE CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	BY

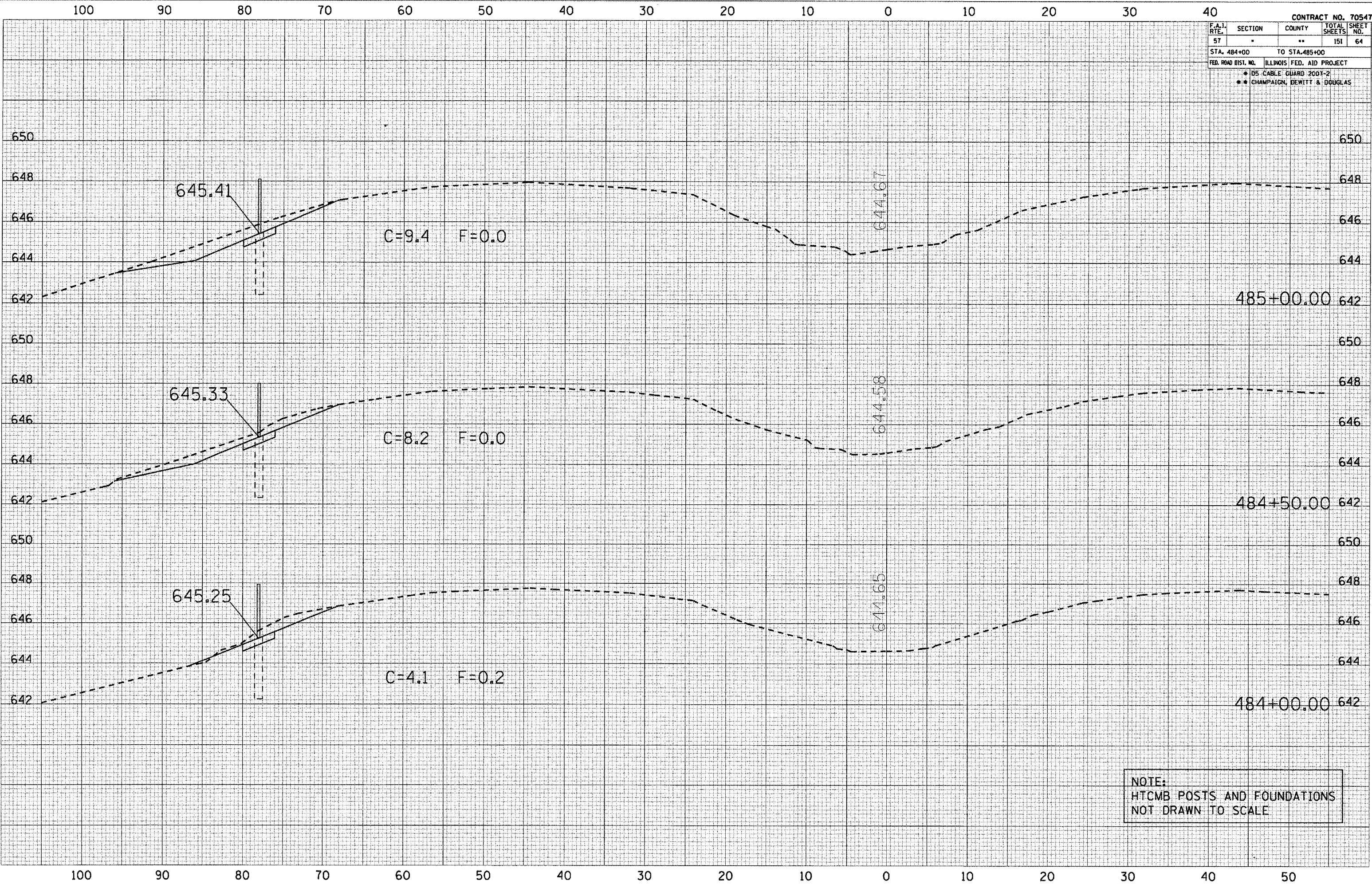
DATE	BY

PLOT DATE: 10/20/2005
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 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

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				



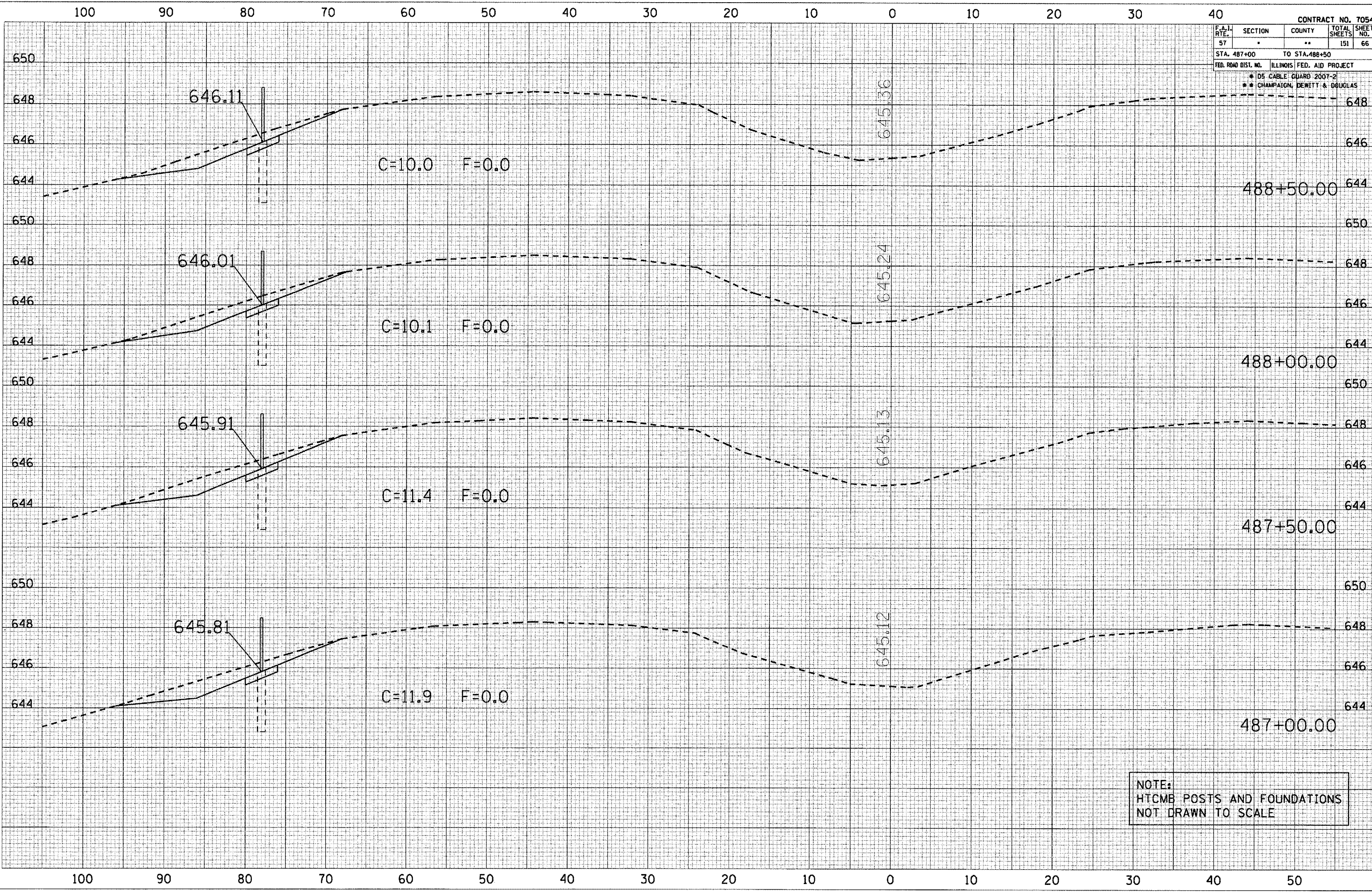
NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

DATE: _____
BY: _____
SURVEYED: _____
PLOTTED: _____
NOTE BOOK: _____
AREAS CHECKED: _____

DATE: _____
BY: _____
SURVEYED: _____
PLOTTED: _____
NOTE BOOK: _____
AREAS CHECKED: _____

PLOT DATE: 10/30/2006
FILE NAME: c:\projects\70547\70547.dwg
PLOT SCALE: 1/8" = 1'-0"
USER NAME: phillips

F.A.I. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57		**	151	66
STA. 487+00		TO STA. 488+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		* 105 CABLE GUARD 2007-2		
		** CHAMPAIGN, DEWITT & DOUGLAS		



NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

DATE: _____
BY: _____
NO. _____
FINAL SURVEY SURVEYED _____
PLOT DATE _____
NOTE BOOK _____
AREAS CHECKED _____

DATE: _____
BY: _____
NO. _____
ORIGINAL SURVEY SURVEYED _____
PLOT DATE _____
NOTE BOOK _____
AREAS CHECKED _____

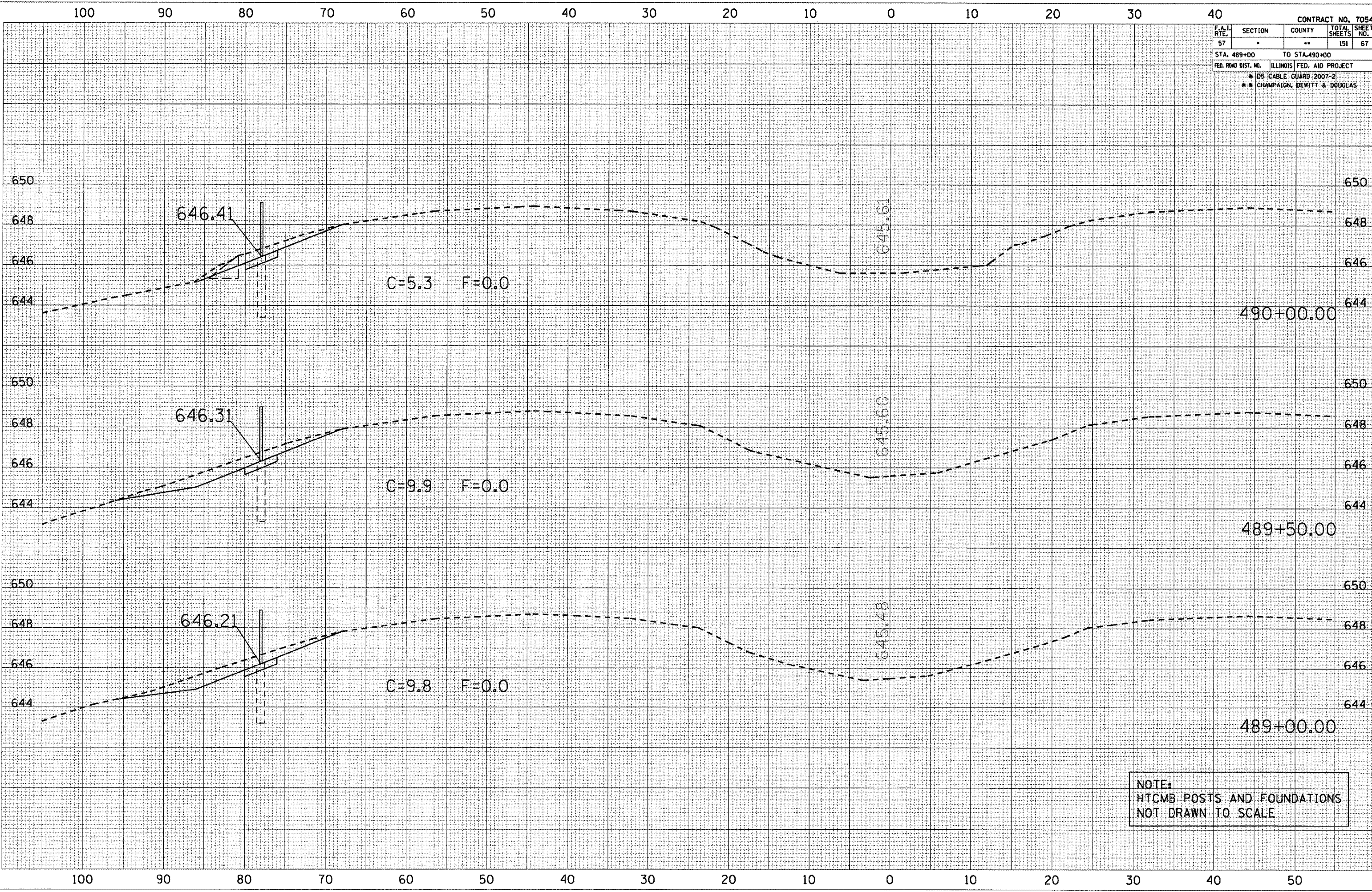
PLOT DATE: 10/29/2006
FILE NAME: c:\projects\70547\70547.dwg
PLOT SCALE: 1/8" = 1'-0"
USER NAME: phillips

F.A.I. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	67
STA. 489+00		TO STA. 490+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* DS CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE: 10/20/2006
 FILE NAME: c:\puro\msh\489000\489000.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips



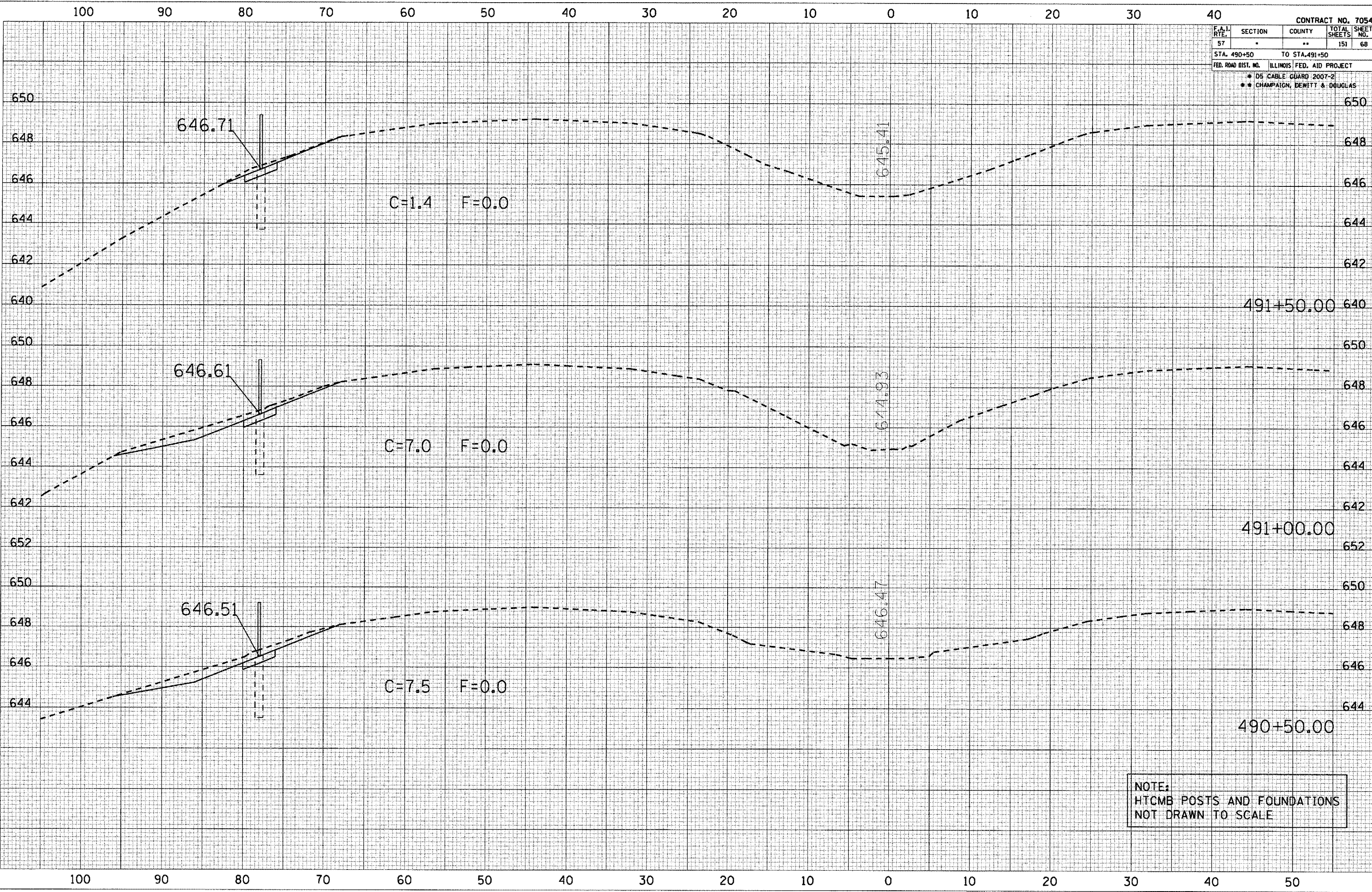
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	68
STA. 490+50		TO STA. 491+50		
FED. RD DIST. NO.		ILLINOIS FED. AID PROJECT		
* D5 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	BY

DATE	BY

PLOT DATE: 10/30/2006
 FILE NAME: c:\projects\70547\70547.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: philip



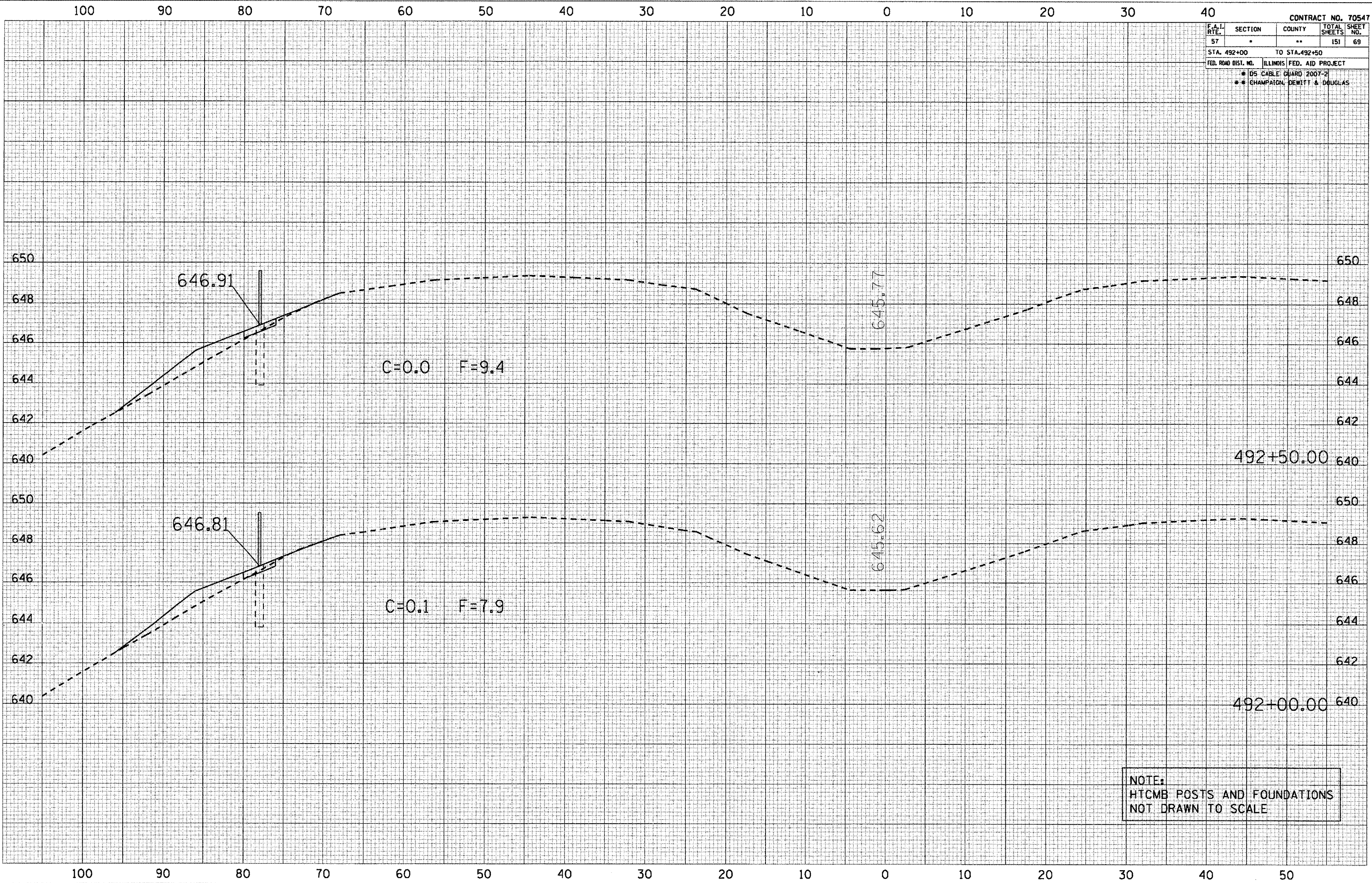
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

CONTRACT NO. 70547			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
57	*	**	151
STA. 492+00		TO STA. 492+50	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
		* D5 CABLE GUARD 2007-2	
		** CHAMPAIGN, DEWITT & DOUGLAS	

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

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

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



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

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	70

STA. 493+00 TO STA. 493+50

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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

DATE	BY

NO. _____

FINAL SURVEY NOTE BOOK NO. _____

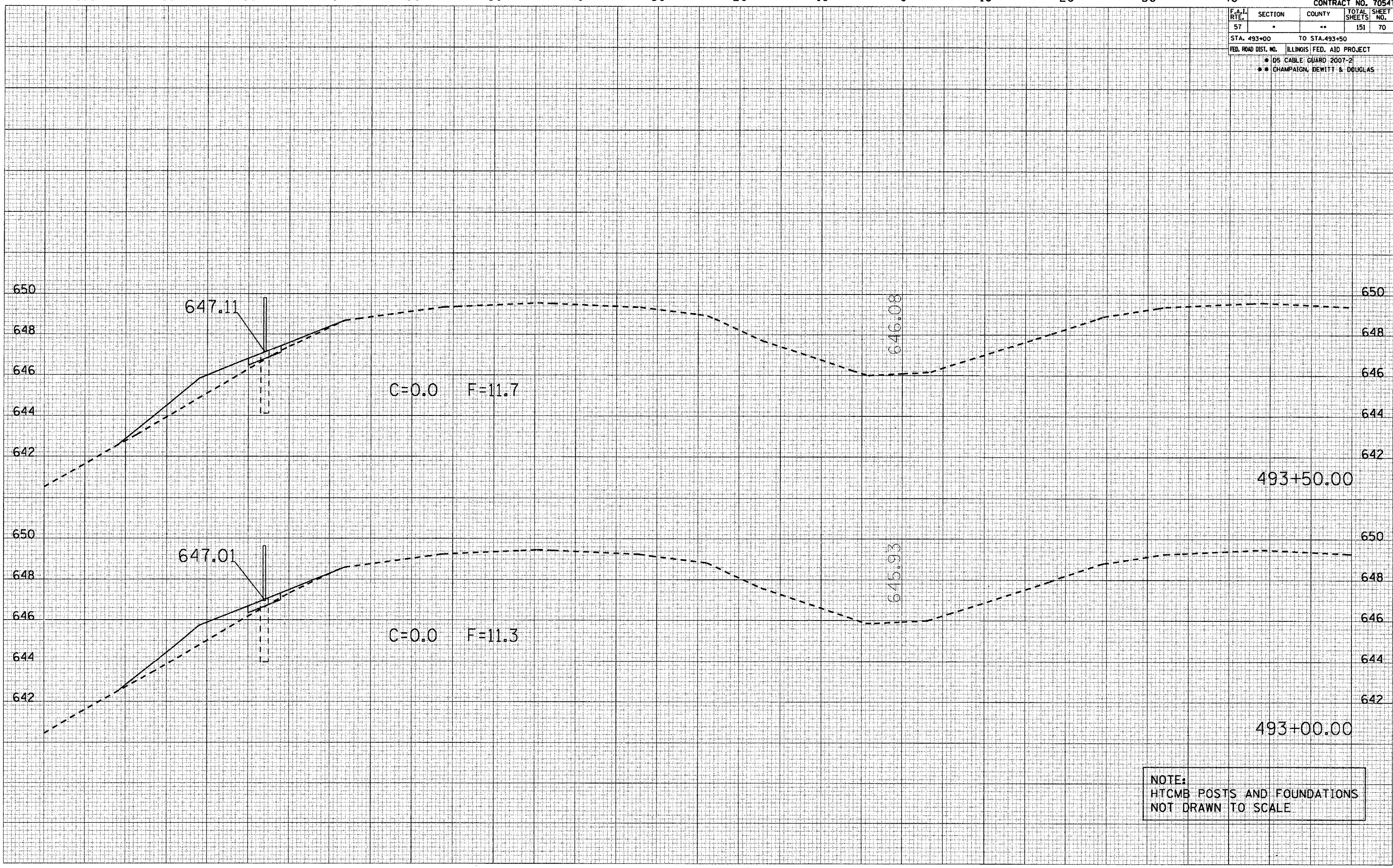
SURVEYED PLOTTED TEMPLATE AREAS CHECKED

DATE	BY

NO. _____

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

PLT DATE 10/30/2006
 PLOT SCALE 1/8"=1'-0"
 USER NAME phillips



NOTE:
 HTGMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

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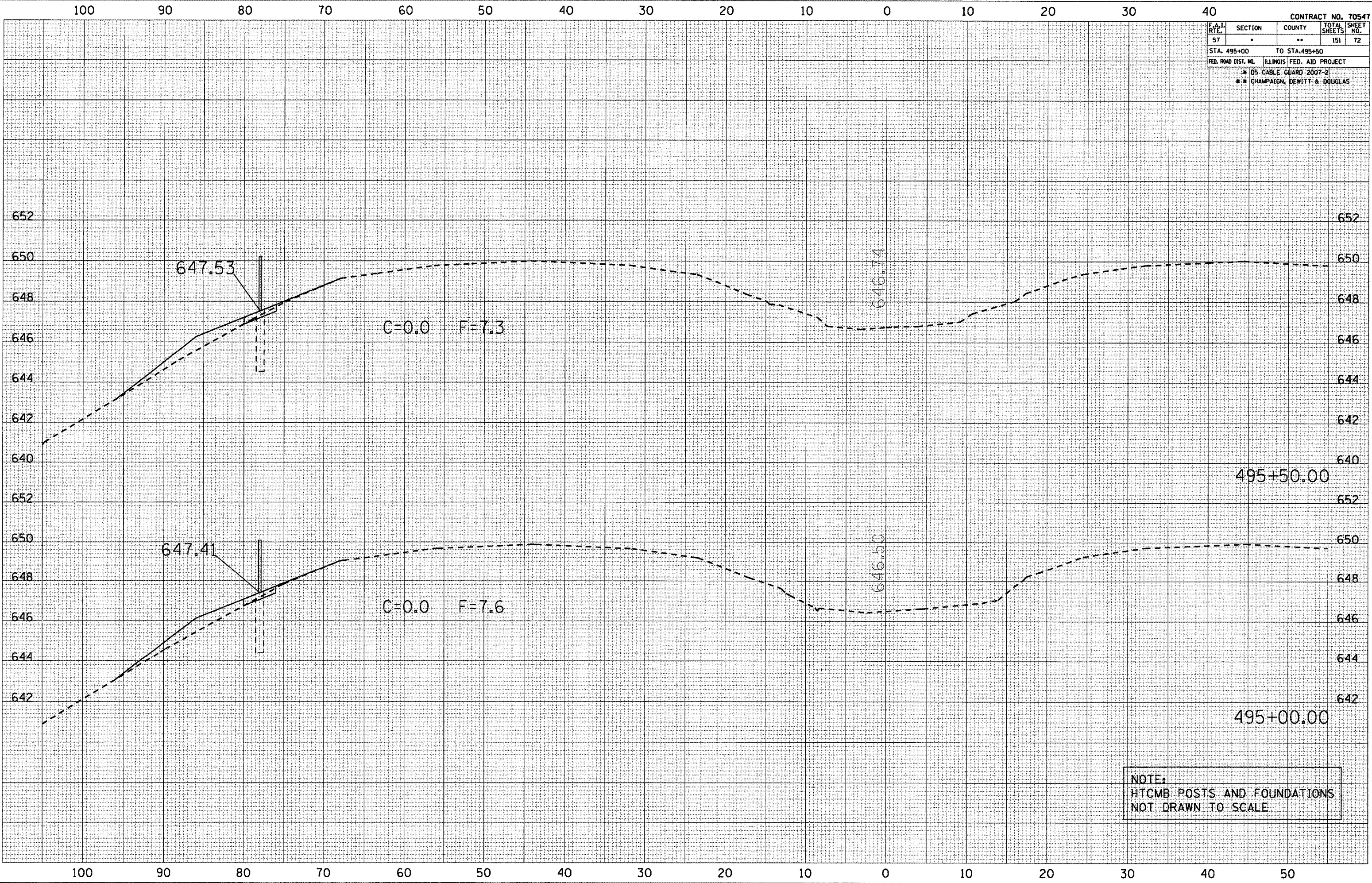
CROSS SECTIONS LOCATION #1 TUSCOLOA

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	.	**	151	72
STA. 495+00 TO STA. 495+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 105 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	
BY	
NO.	
FINAL SURVEY	
PLOTTED	
REPLATE	
AREAS CHECKED	

DATE	
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NO.	
ORIGINAL SURVEY	
PLOTTED	
REPLATE	
AREAS CHECKED	

PLOT DATE • 10/30/2006
 FILE NAME • \\phillips\cadd\105\1050108\1050108.dwg
 PLOT SCALE • 1/8" = 1'-0" / IN.
 USER NAME • phillips



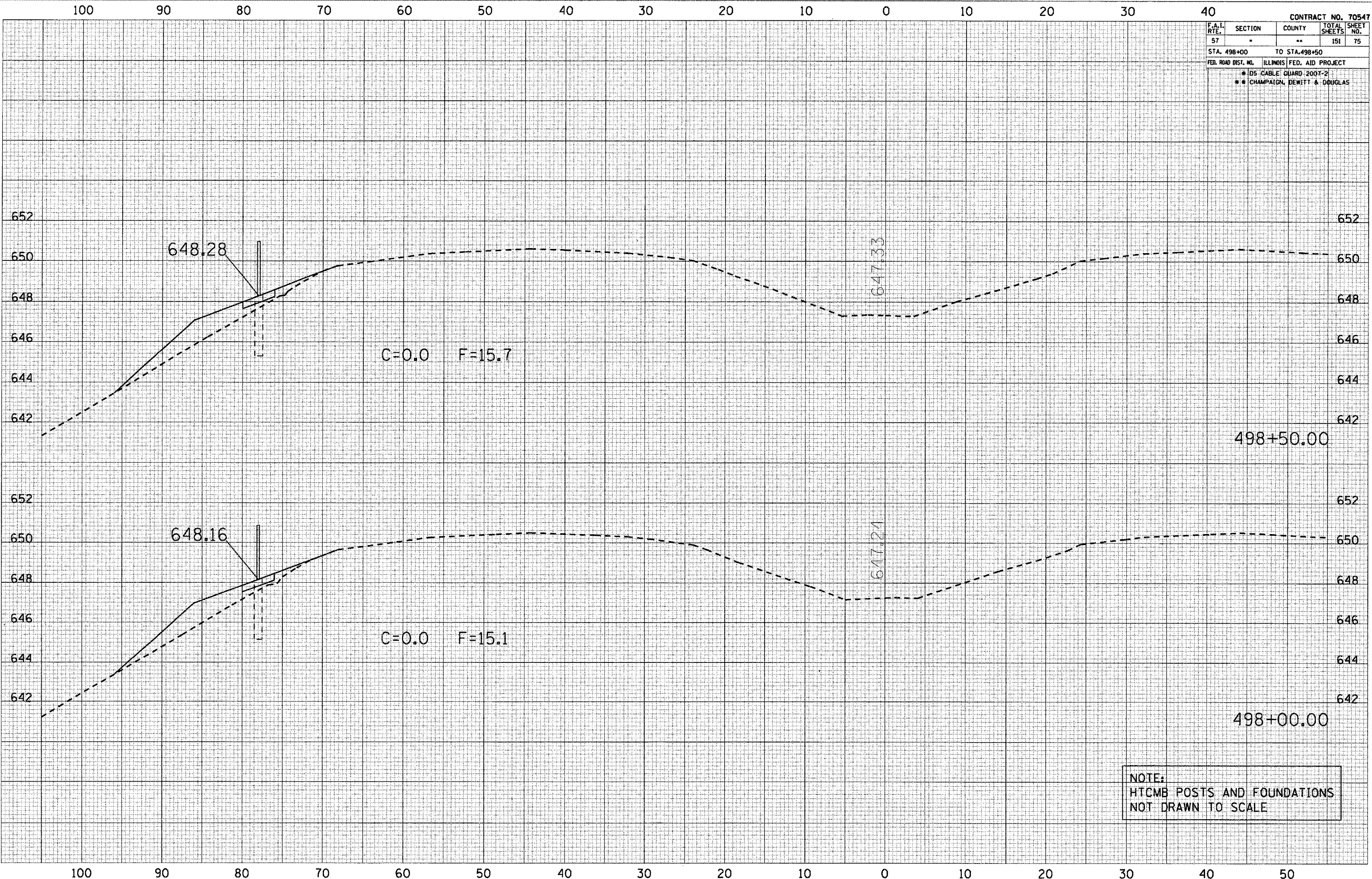
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	"	**	151	75
STA. 498+00 TO STA. 498+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* DS-CABLE GUARD-2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	
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FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE: 10/30/2006
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 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips



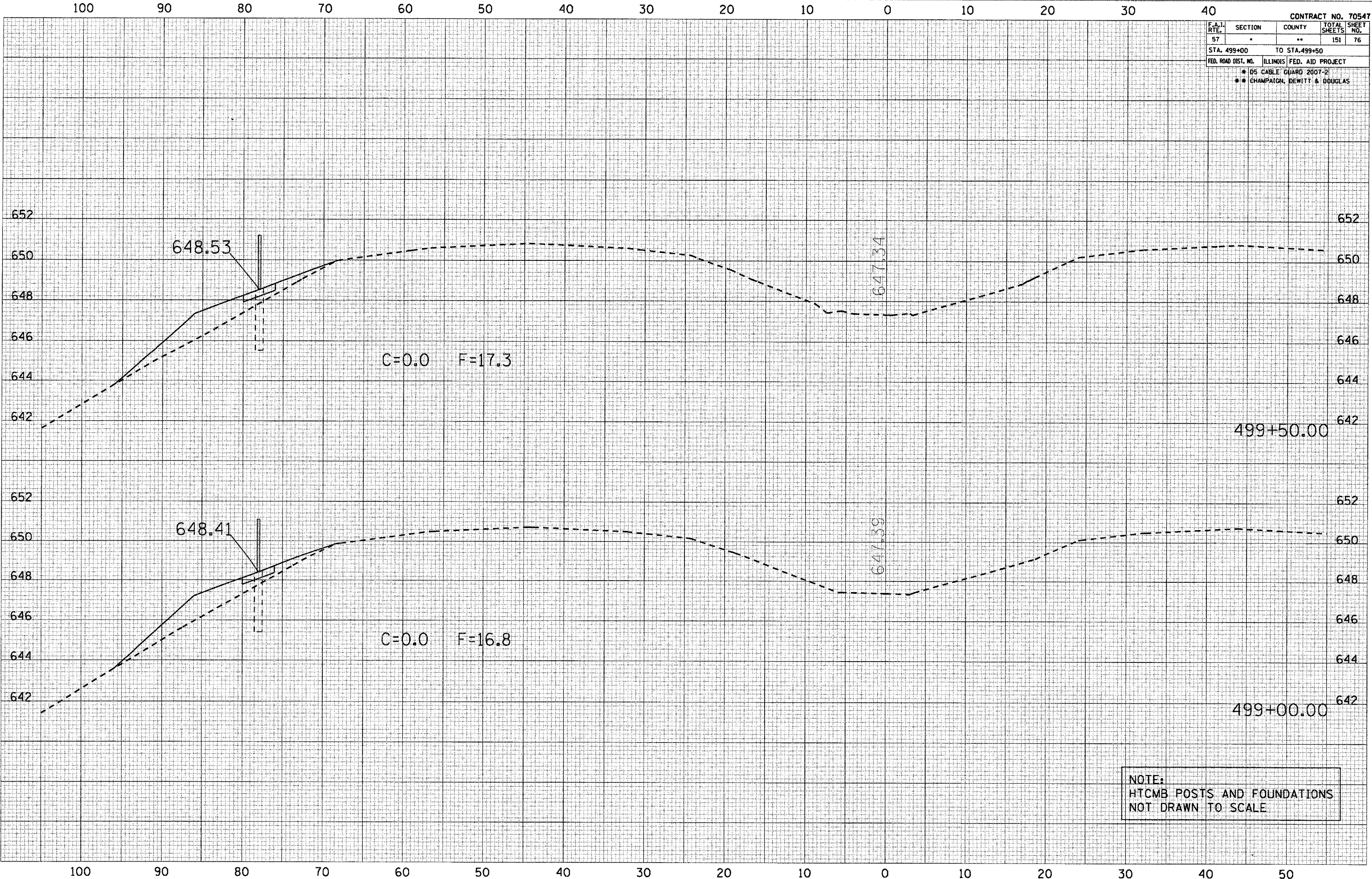
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	76
STA. 499+00		TO STA. 499+50		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		* D5 CABLE GUARD 2007-2		
		** CHAMPAIGN, DEWITT & BOUGLAS		

DATE	BY

DATE	BY

PLOT DATE: 10/30/2006
 FILE NAME: c:\pva\pva\499+00.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips



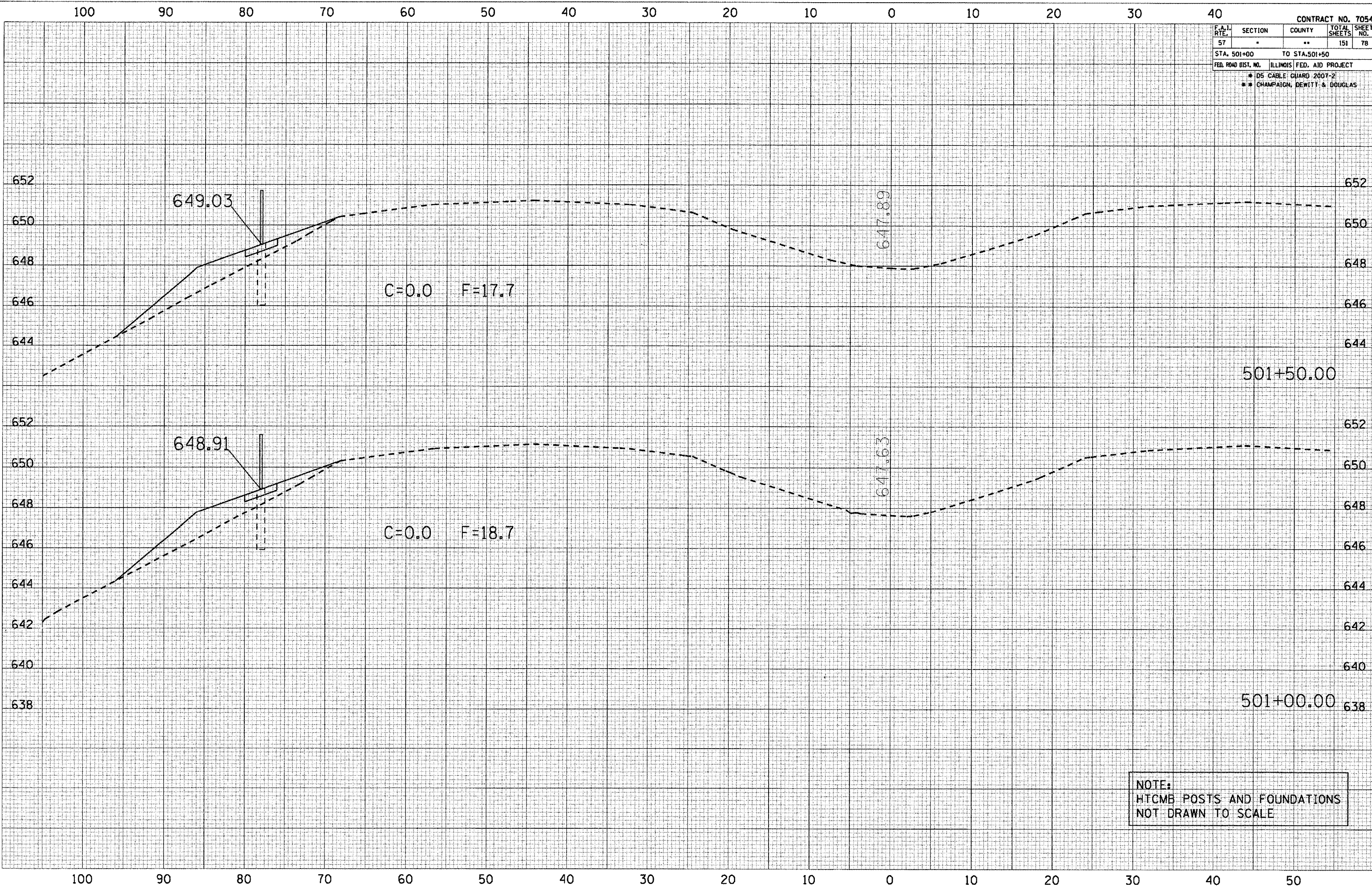
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	**	151	78
STA. 501+00		TO STA. 501+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		* D5 CABLE GUARD 2007-2		
		** CHAMPAIGN, DEWITT & DOUGLAS		

DATE	
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NO.	
FINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	
AREAS CHECKED	

PLOT DATE : 10/29/2008
 FILE NAME : c:\p000\70547\78.dwg
 PLOT SCALE : 1/8" = 1'-0"
 USER NAME : philip



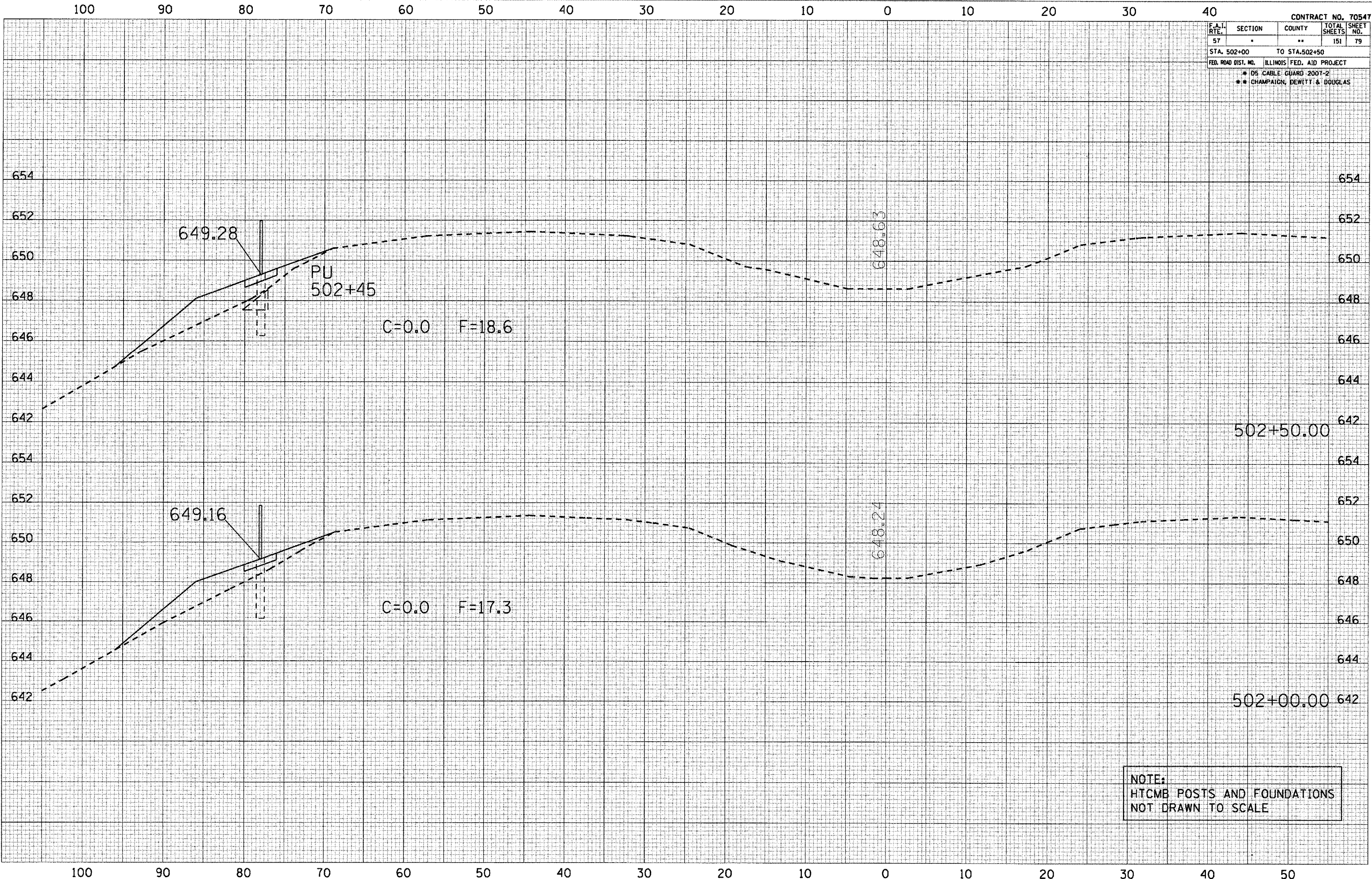
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

CONTRACT NO. 70547				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57		**	151	79
STA. 502+00 TO STA. 502+50				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* DS CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	BY
SURVEYED	
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NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	BY
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PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE: 10/30/2006
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 PLOT SCALE: 1/8" = 10'-0"
 USER NAME: phillips



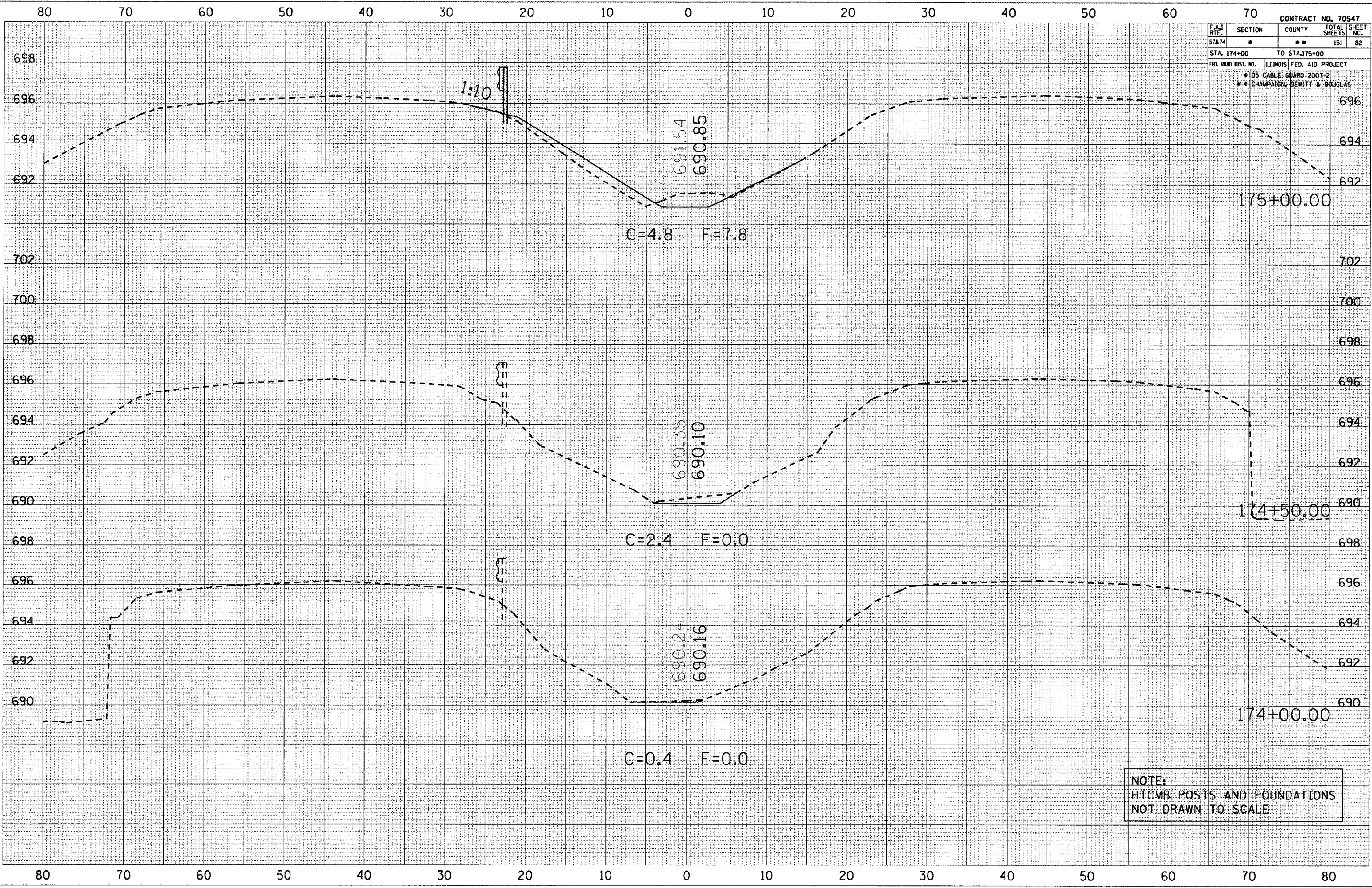
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	82
STA. 174+00 TO STA. 175+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* 105 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	
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FINISHED SURVEYED	
SURVEY PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
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ORIGINAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

PLOT DATE: 10/20/2006
 USER NAME: phillips



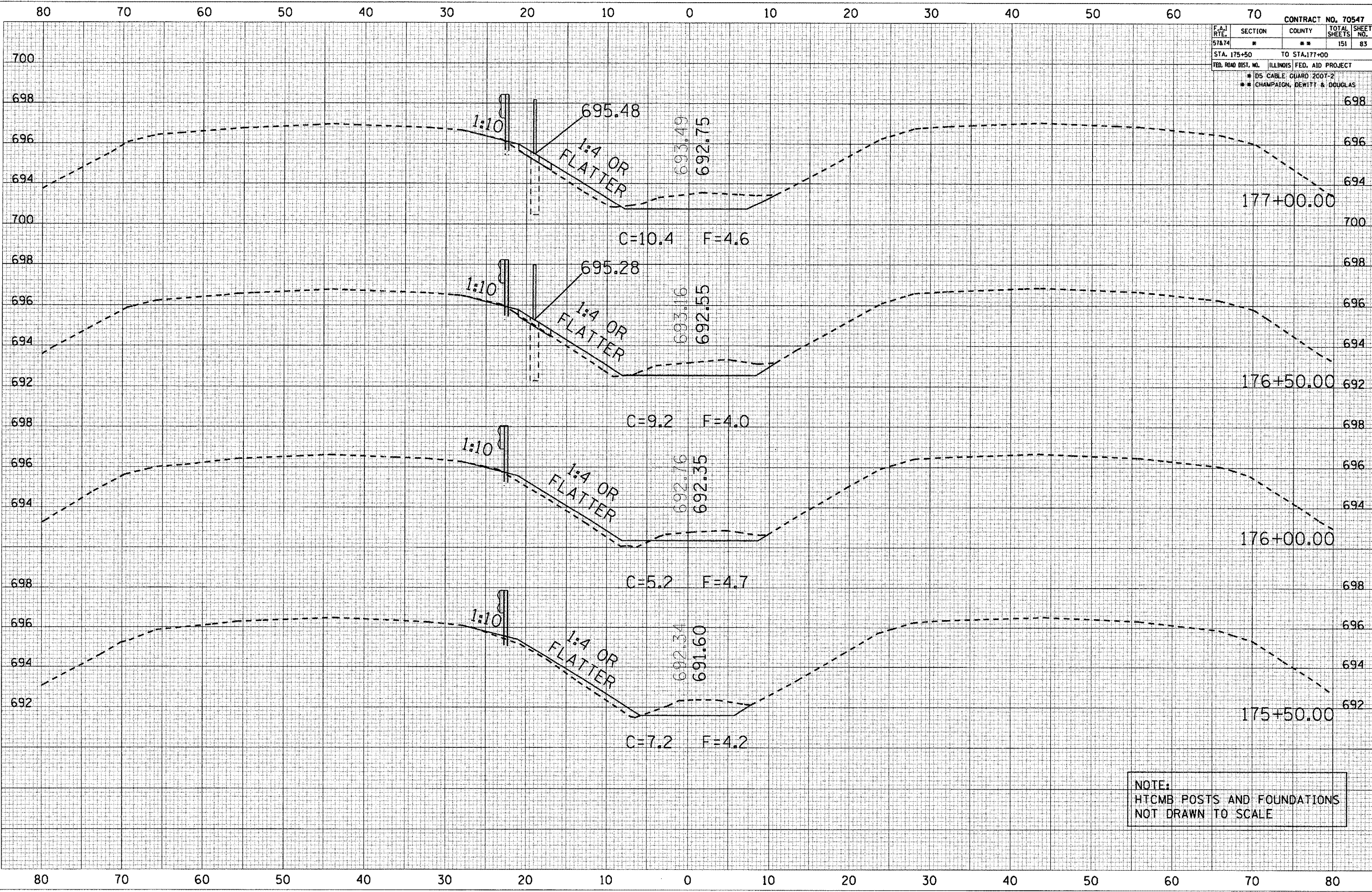
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	83
STA. 175+50		TO STA. 177+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		* D5 CABLE GUARD 2007-2		
		** CHAMPAIGN, DEWITT & DOUGLAS		

DATE: _____
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 SURVEYED: _____
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 PLOTTED: _____
 DATE: _____
 AREAS CHECKED: _____
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DATE: _____
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 SURVEYED: _____
 CHECKED: _____
 PLOTTED: _____
 DATE: _____
 AREAS CHECKED: _____
 NO. _____

PLOT DATE: 10/30/2008
 FILE NAME: c:\p09\p09\70547\175+50.dwg
 PLOT SCALE: 10.5627 / IN.
 USER NAME: philipm



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

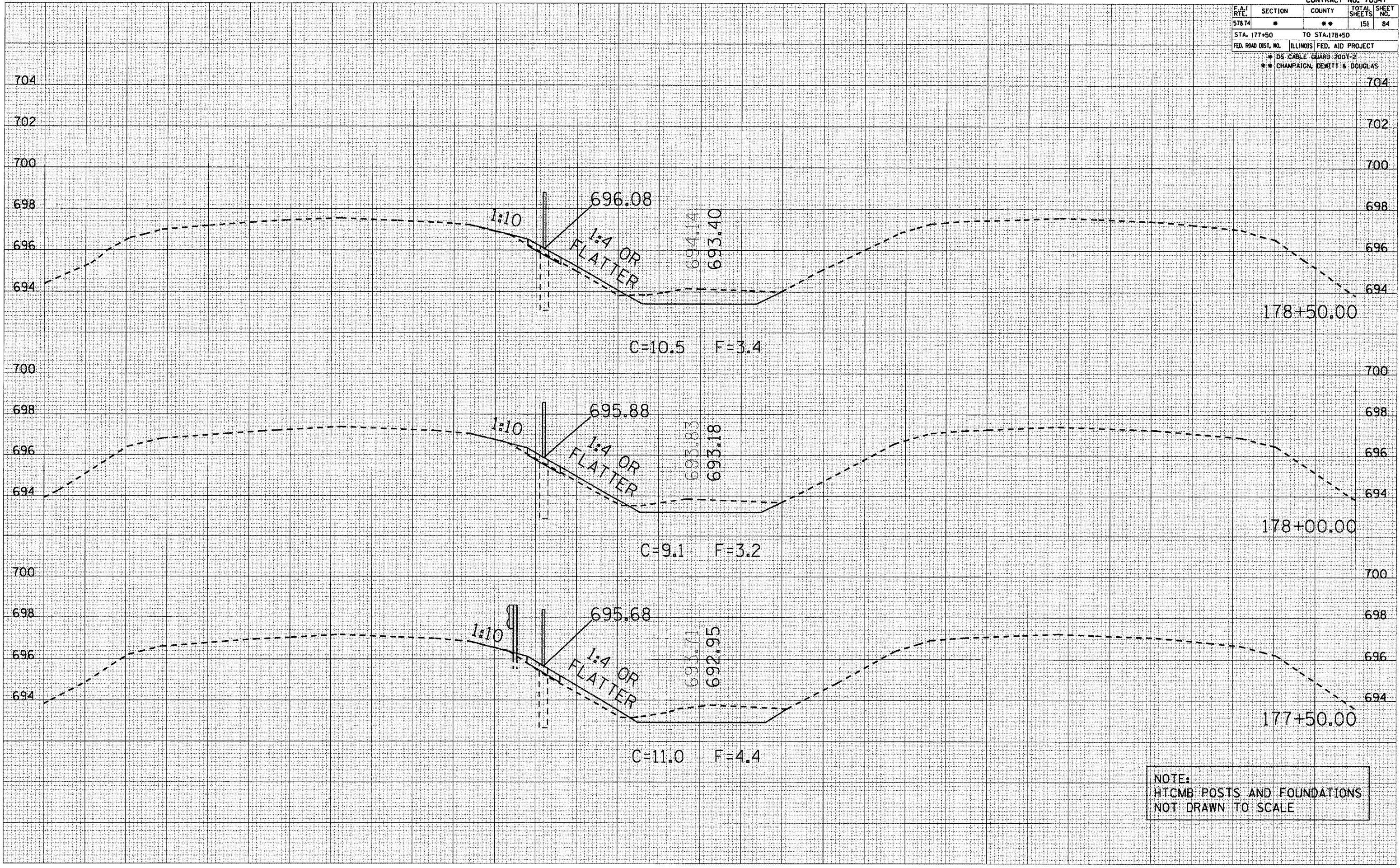
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

CONTRACT NO. 70547		TOTAL SHEETS	SHEET NO.
F.A.I. RTE. 57&74	SECTION **	COUNTY **	151 84
STA. 177+50 TO STA. 178+50			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
* DS CABLE GUARD 2007-2			
** CHAMPAIGN, DEWITT & DOUGLAS			

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

DATE	BY
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED

PLOT DATE: 10/20/2006
 FILE NAME: 0603186
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

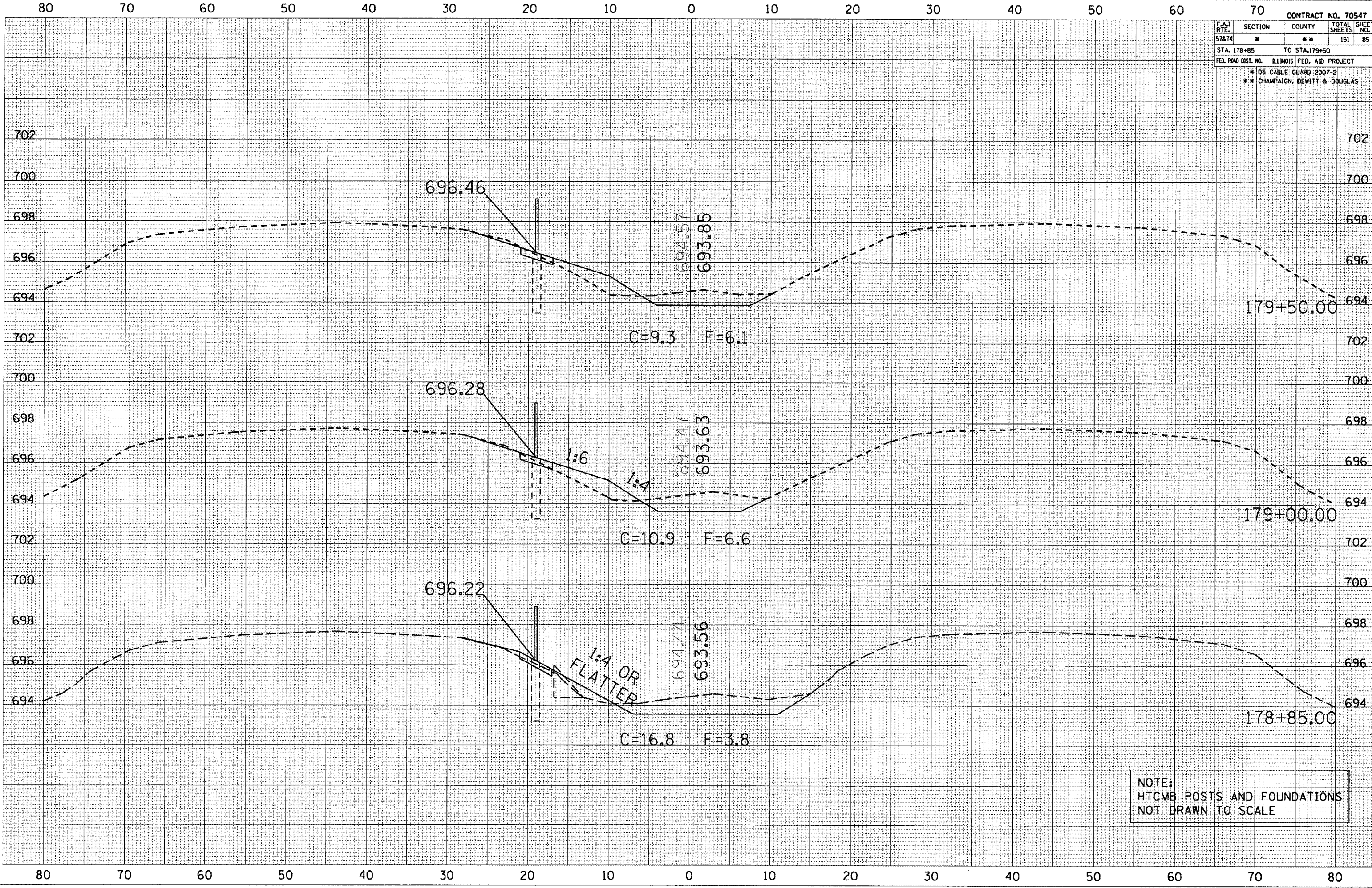
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	85
STA. 178+85		TO STA. 179+50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* 05 CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	
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FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

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



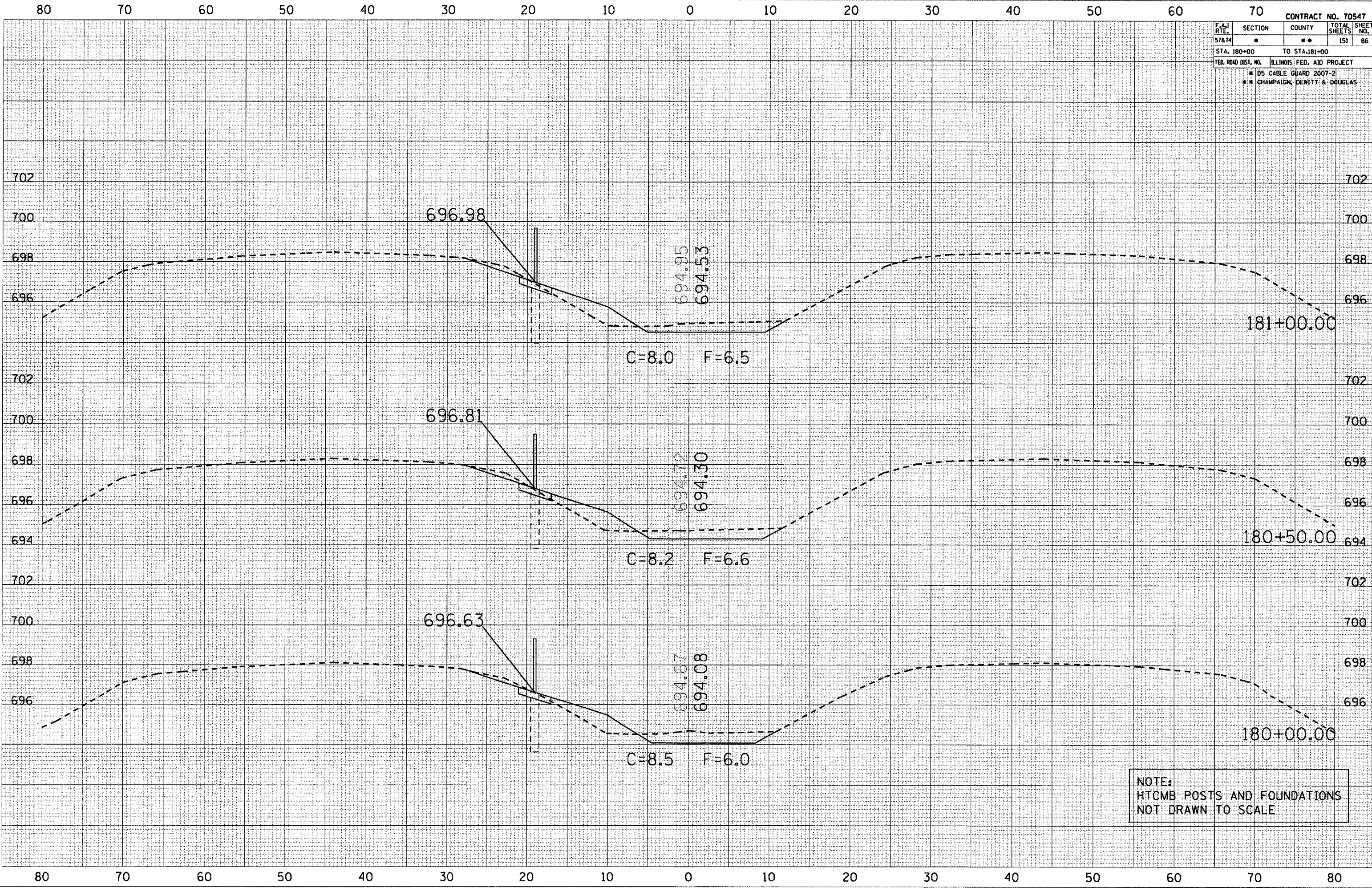
NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

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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FINAL SURVEY	
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NO. BOOK	
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AREAS CHECKED	

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ORIGINAL SURVEY	
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NO. BOOK	
NO.	
AREAS CHECKED	

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

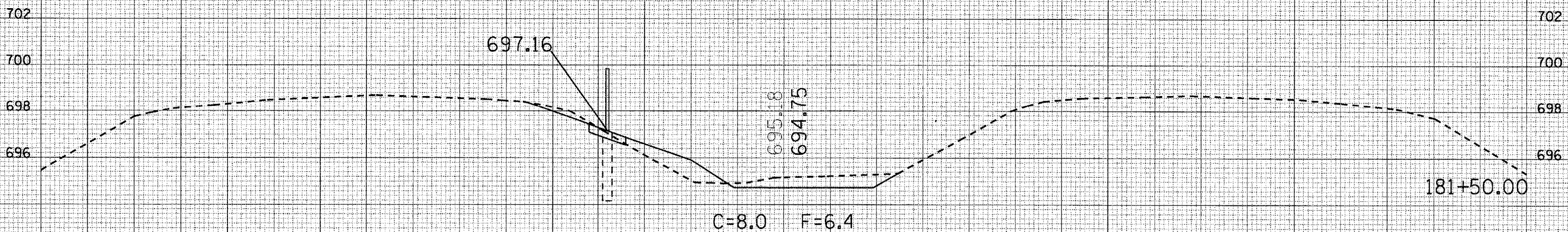
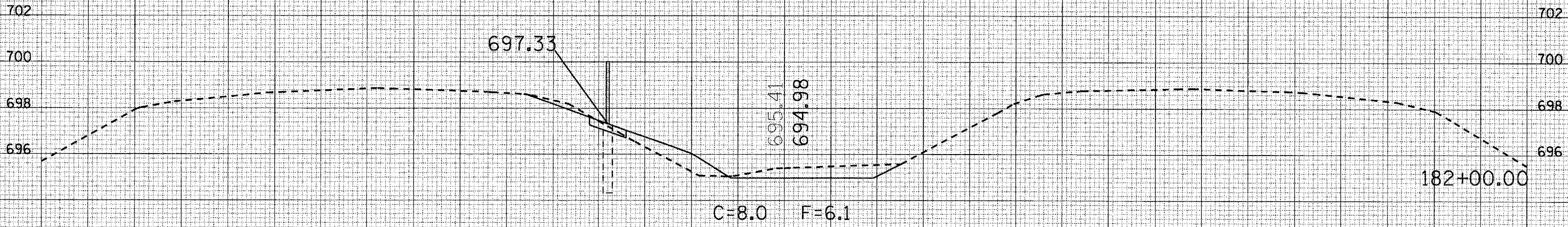
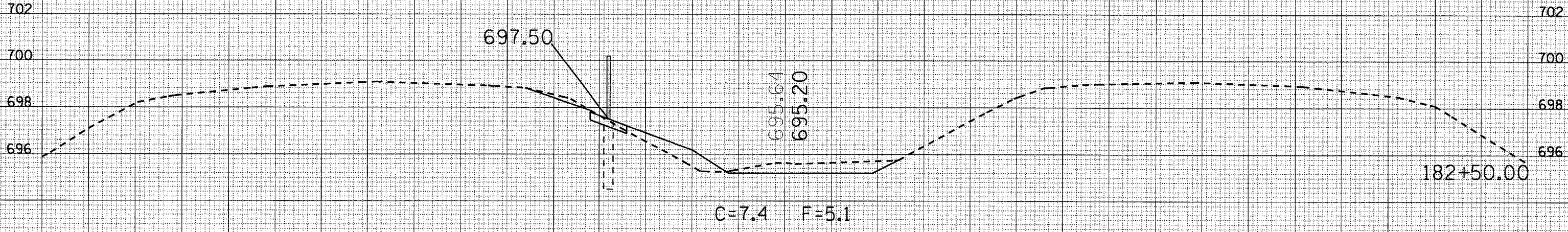


NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

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

CONTRACT NO. 70547				
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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TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	



NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
NO.	
AREAS CHECKED	

PLOT DATE • 10/20/2006
 FILE NAME • D:\PROJECTS\70547\181+50\181+50.DWG
 PLOT SCALE • 1/8"=1'-0" / IN.
 USER NAME • philip.v

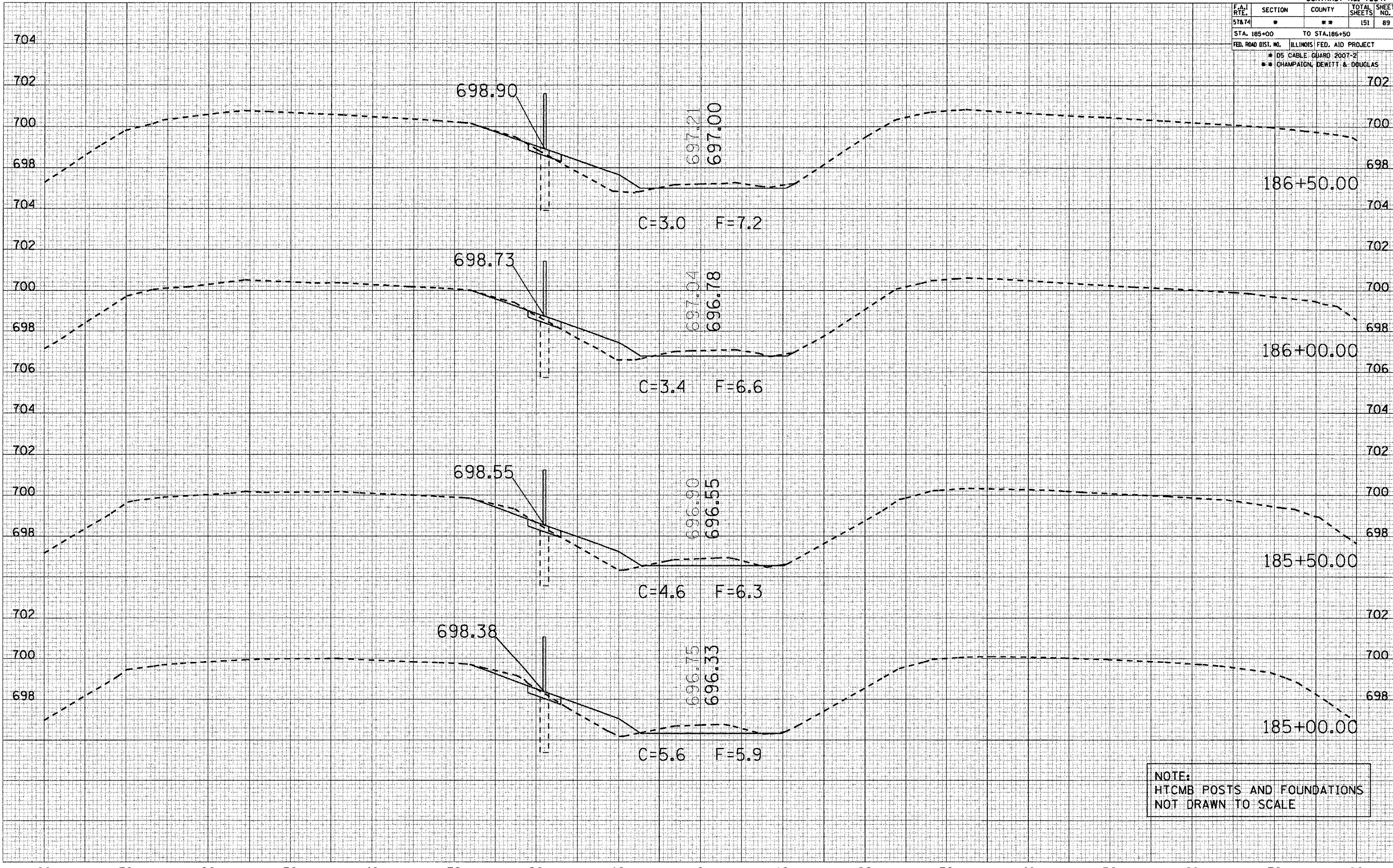
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	89
STA. 185+00		TO STA. 186+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* DS CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE	
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FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE : 10/20/2006
 FILE NAME : I:\PROJECTS\70547\70547.DWG
 PLOT SCALE : 1"=40'
 USER NAME : phillips



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

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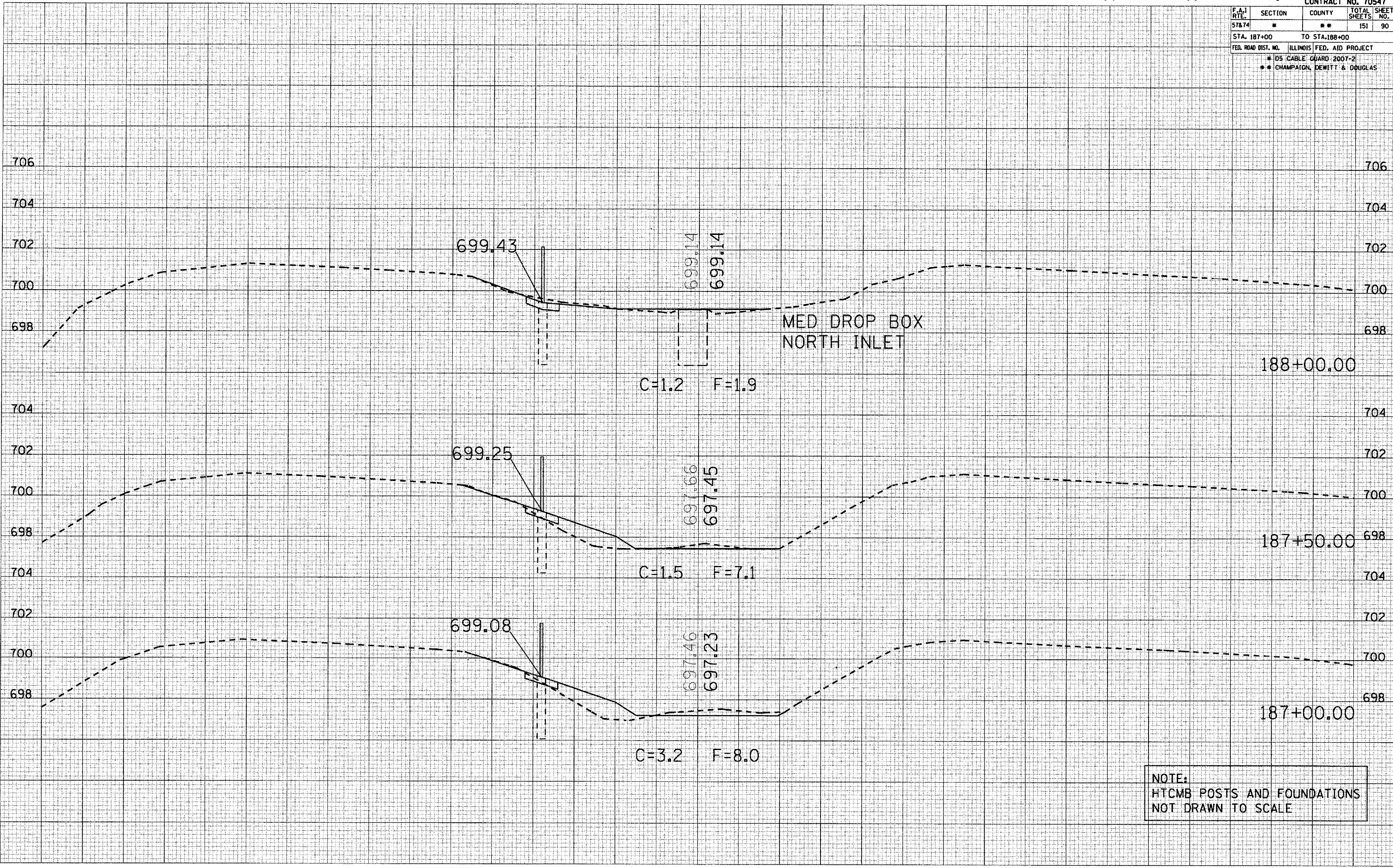
CONTRACT NO. 70547

F.A. 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		
		** DS CABLE GUARD 2007-2		
		** CHAMPAIGN, DEWITT & DOUGLAS		

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

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

PLOT DATE: 10/30/2008
 FILE NAME: c:\p\o\act\0808108\187\187000.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: phillips



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

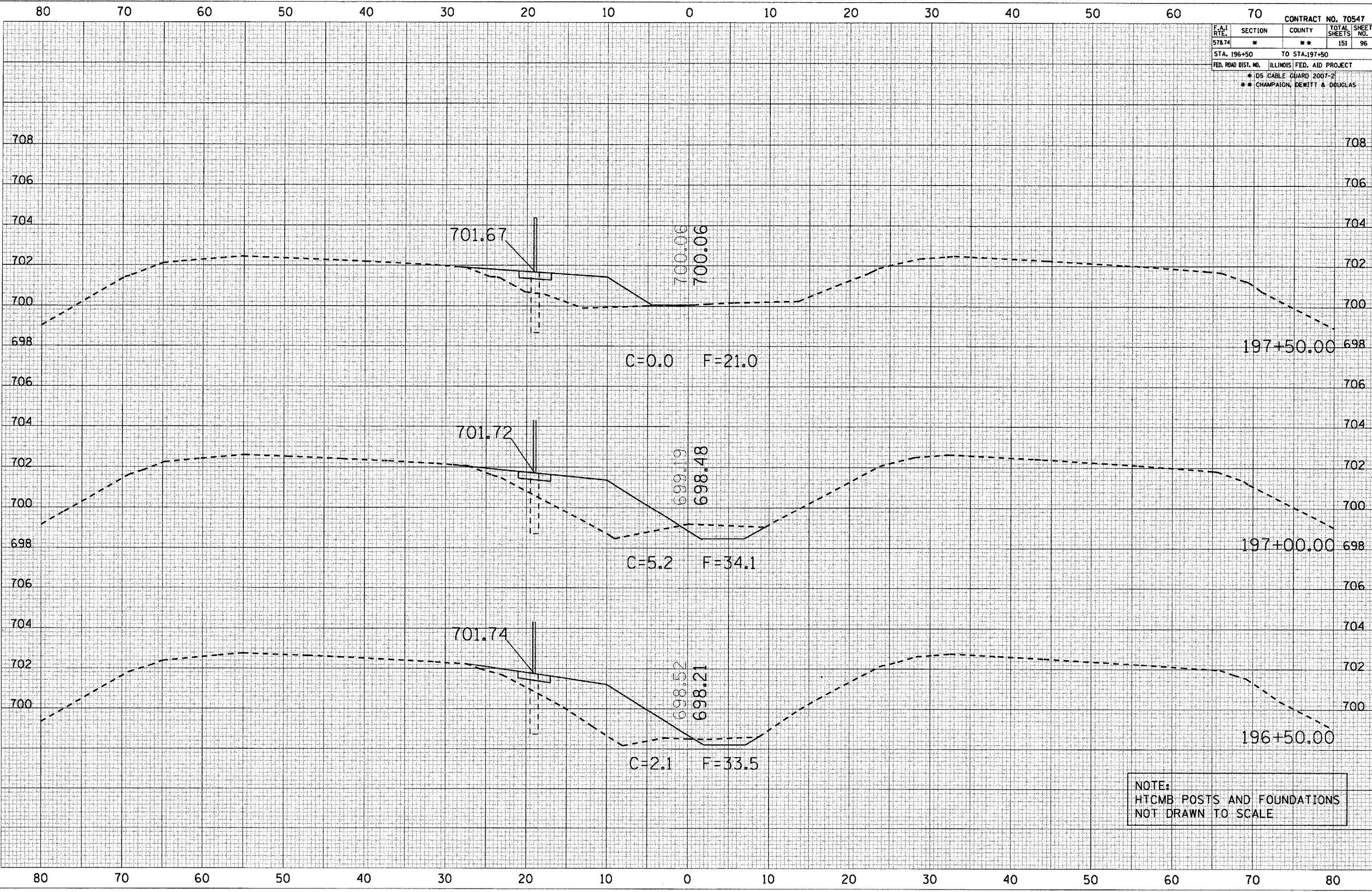
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

F.A.I. RY.	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				
* DS CABLE GUARD 2007-2				
** CHAMPAIGN, DEWITT & DOUGLAS				

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS CHECKED _____

DATE 10/30/2005
 FILE NAME c:\p05\proj\70547\70547.dwg
 PLOT SCALE 1/8" = 1'-0"
 USER NAME phillips



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

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

CONTRACT NO. 70547

F.A. 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		
		* 105 CABLE GUARD 2007-2		
		** CHAMPAIGN, DEWITT & DOUGLAS		

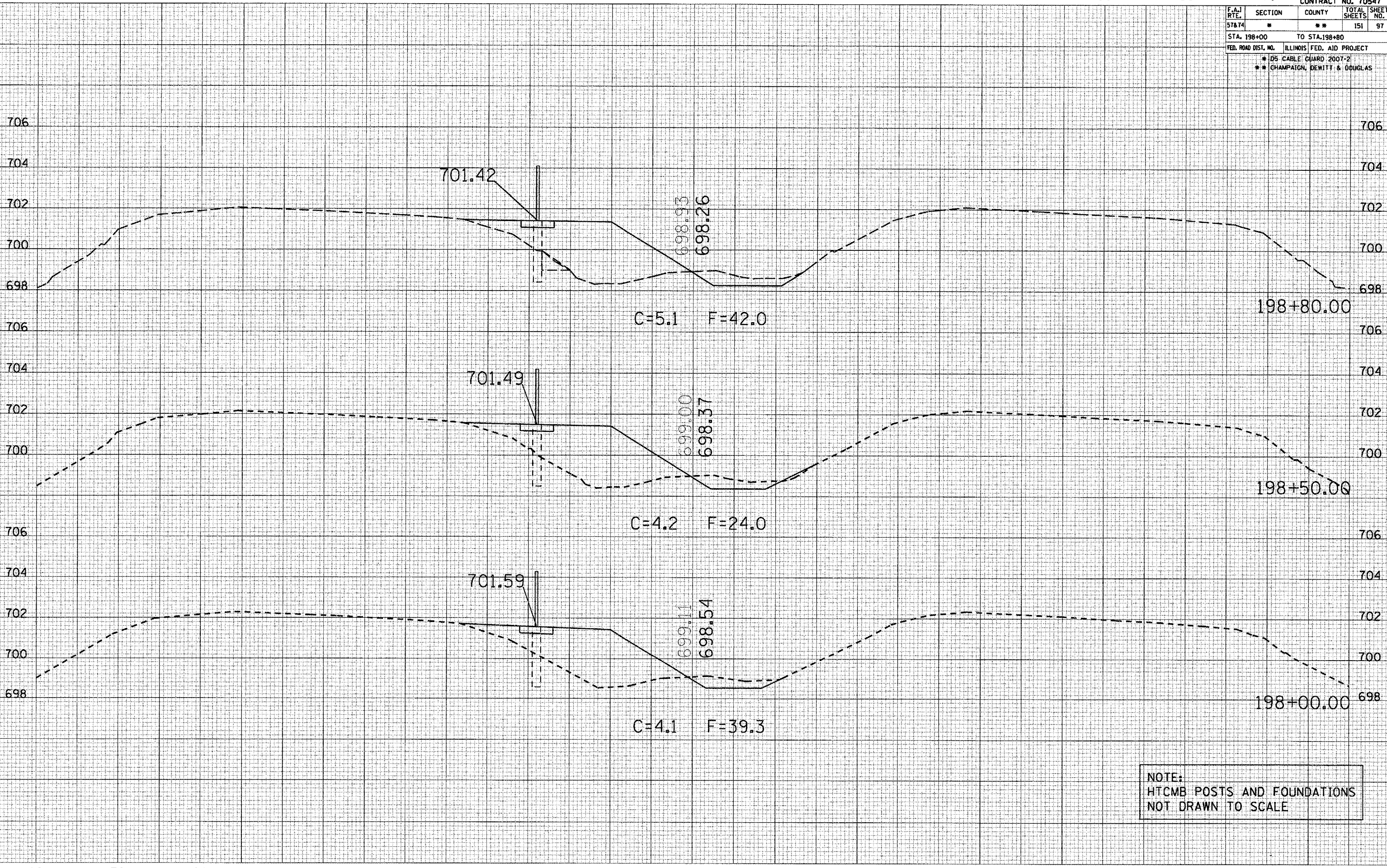
BY	DATE

FINAL SURVEY	SURVEYED	PLOTTED	TEMPERATURE	APPROX. CHECKED

BY	DATE

ORIGINAL SURVEY	SURVEYED	PLOTTED	TEMPERATURE	APPROX. CHECKED

PLOT DATE : 10/20/2006
FILE NAME : 105CABLEGUARD.DWG
PLOT SCALE : 1/8" = 1'-0"
USER NAME : phillips



NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE

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

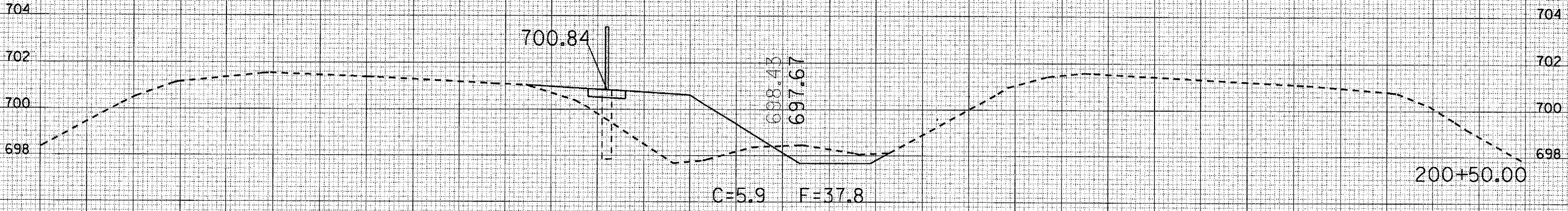
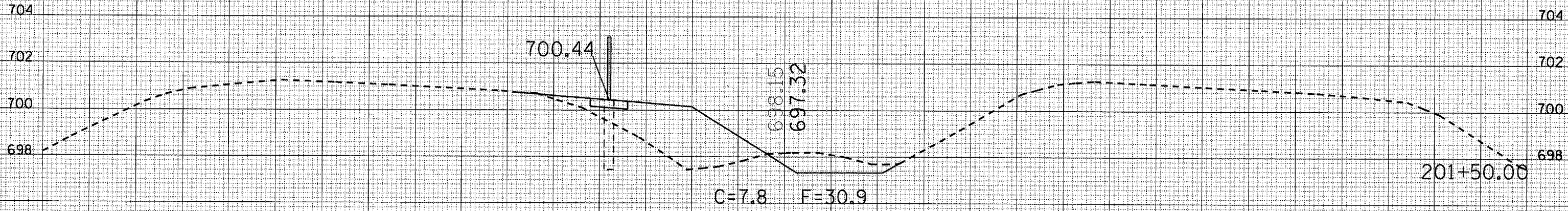
CROSS SECTIONS LOCATION #0 BEARING

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

CONTRACT NO. 70547

F.A.J. 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		
*		OS CABLE GUARD 2007-2		
**		CHAMPAIGN, DEWITT & DOUGLAS		

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____



NOTE:
 HTCMB POSTS AND FOUNDATIONS
 NOT DRAWN TO SCALE

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____

PLOT DATE = 10/20/2006
 FILE NAME = c:\pwworkspace\1055198.dwg
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = phillip

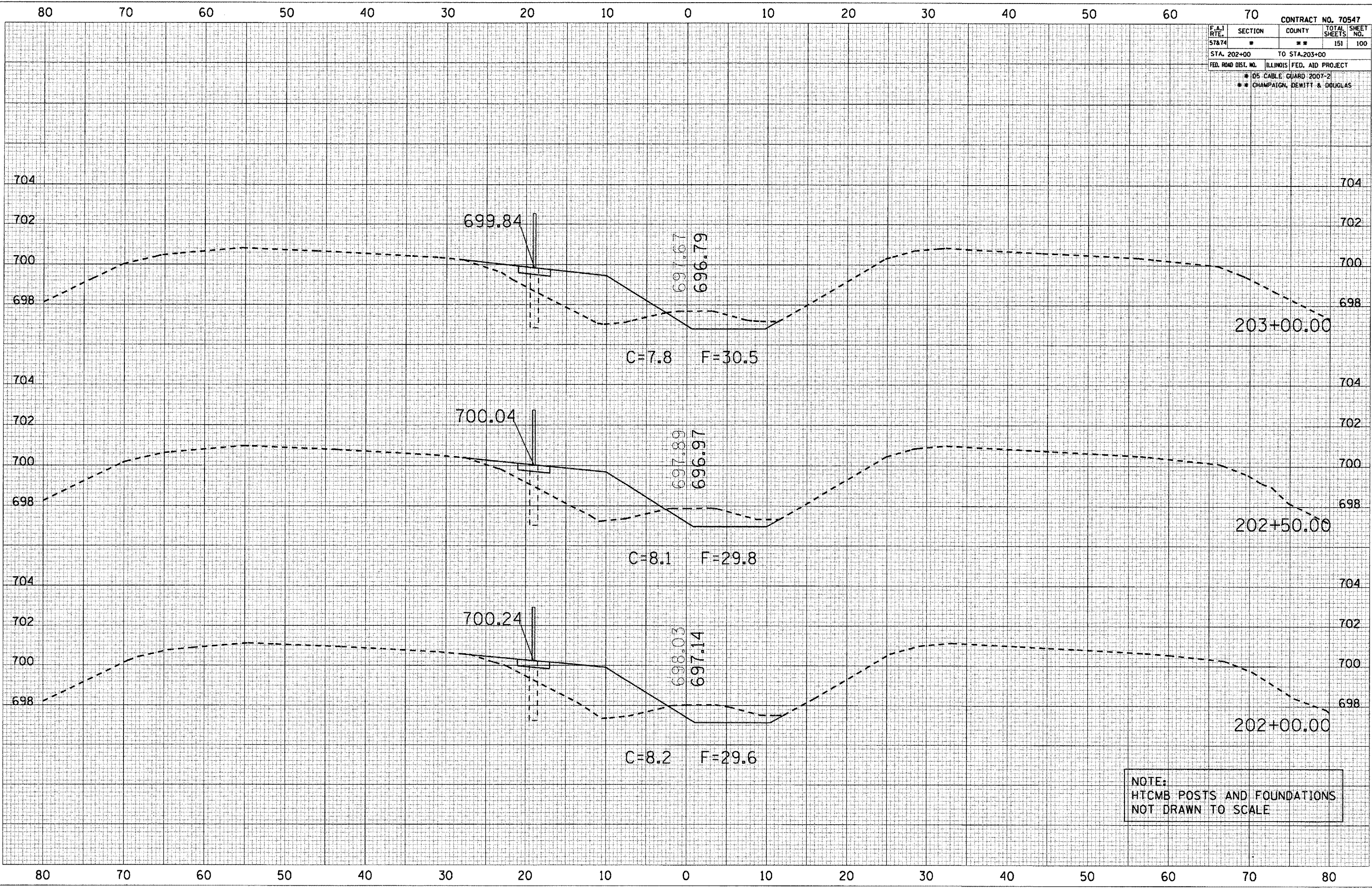
80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57&74	*	**	151	100
STA. 202+00		TO STA. 203+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	* 105 CABLE GUARD 2007-2			
	** CHAMPAIGN, DEWITT & DOUGLAS			

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

PLOT DATE: 10/20/2006
 PLOT NAME: 105 Cable Guard
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: phillips



NOTE:
HTCMB POSTS AND FOUNDATIONS
NOT DRAWN TO SCALE