

F.A.P. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS AND HIGHWAY STANDARDS
3 - 4	GENERAL NOTES
5 - 7	SUMMARY OF QUANTITIES
8 - 9	EXISTING TYPICAL CROSS SECTIONS
10 - 12	PROPOSED TYPICAL CROSS SECTIONS
13 - 15	SCHEDULE OF QUANTITIES
16	RECOVERY TIES
17 - 19	ROADWAY PLAN / PROFILE SHEETS
20 - 22	PROPOSED DITCH PROFILES
23	TRAFFIC CONTROL PLAN FOR MARKED ROUTE ROAD CLOSED DETOUR
24 - 25	EROSION CONTROL PLAN
26 - 43	BRIDGE PLANS
44	DETAIL OF PORTLAND CEMENT CONCRETE SHOULDER & SCHEDULES
44	PCC SHOULDER AND SHOULDER DRAIN PLAN & SCHEDULES
45	TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD / STREET CLOSURES)
46	DITCH DETAIL
46	DETAIL FOR ENTRANCES AT STA. 240+35.71 RT. & STA. 240+89.80 LT.
47 - 50	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
51 - 74	IL 10 STATION CROSS SECTIONS
75 - 81	SALT CREEK CROSS SECTIONS

LIST OF STANDARDS

STANDARD NO.	NAME OF STANDARD
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
420001-06	PAVEMENT JOINTS
420101-03	7.2m (24') JOINTED PCC PAVEMENTS
420401-05	BRIDGE APPROACH PAVEMENT
421001-01	BAR REINFORCEMENT FOR CRC PAVEMENT
482011-02	HMA SHLD. STRIPS / SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
483001-03	PCC SHOULDER
515001-02	NAME PLATES FOR BRIDGES
542401	METAL END SECTIONS FOR PIPE CULVERTS
601101	CONCRETE HEADWALL FOR PIPE DRAIN
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606201-01	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
609001-03	BRIDGE APPROACH SHOULDER PAVEMENT & DRAIN
630001-07	STEEL PLATE BEAM GUARDRAIL
630301-04	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-06	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
666001	RIGHT OF WAY MARKERS
667101	PERMANENT SURVEY MARKERS
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

PLOT DATE = 8/9/2007
 PLOT SCALE = 1" = 40'
 USER NAME = C:\Users\jstiles\Documents\70232\text.dgn

ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS & LIST OF STANDARDS
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113BR1BR
 DEWITT COUNTY
 SCALE: NOT TO SCALE
 DATE: 07/03/07
 DRAWN BY: B.B.P.
 CHECKED BY: R.N.M.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113BR)BR	DEWITT	81	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

SHEET 1 OF 2

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. - 107.31

UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED.
J. U. L. I. E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.

G. N. - 201

TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G. N. - 250C

TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED NEW BARE EARTH 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 ON BARE EARTH AT THE TIME OF THEIR COMPLETION.

G. N. - 281

THE RIPRAP GRADATION SHALL BE IN ACCORDANCE WITH THE GRADATION SPECIFIED IN THE PLANS OR, WITH APPROVAL OF THE ENGINEER, A RIPRAP GRADATION MEETING A D50 GREATER THAN OR EQUAL TO 0.9 TO 1.2 FEET. D50 IS DEFINED AS THE MEAN ROCK SIZE AS DESCRIBED IN THE FHWA HYDRAULIC ENGINEERING CIRCULARS (HEC 11, HEC 14 AND HEC 15).

IF GRAVEL IS USED FOR THE BEDDING MATERIAL UNDER RIPRAP, THE GRAVEL SHALL BE CRUSHED AS ALLOWED UNDER ARTICLE 1005.01.

G. N. - 406

THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G. N. - 406.05b

ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G. N. - 406H

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	IL 10	IL 10
Mixture Use(s):	SURFACE & INCIDENTAL	BINDER & FLEX CONNECTOR
AC/PG:	PG 64-22	PG 64-22
RAP % (Max)**	15	25
Design Air Voids:	4.0% @ Ndes = 50	4.0% @ Ndes = 50
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 19.0
Friction Aggregate:	MIX C	N. A.

G. N. - 408B

THE INCIDENTAL HOT-MIX ASPHALT SURFACING SHALL BE COMPACTED AS REQUIRED BY THE SPECIFICATIONS FOR DESIGN NUMBER OF GYRATIONS BEING USED, AT THE FOLLOWING LOCATIONS:

ENTRANCE AT LT. 240+92.00

G. N. - 440B

THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL 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.

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
F.A.P. ROUTE 721 (IL 10)
SECTION (113BR)BR
DEWITT COUNTY
Sheet 1 of 2

SCALE: NOT TO SCALE
DATE: 07/03/07

DRAWN BY: B.S.P.
CHECKED BY: R.M.N.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

SHEET 1 OF 3

DEWITT COUNTY
 RURAL
 ROADWAY / STRUCTURE
 IMPROVEMENTS
 FAP 721 (IL 10)
 STA. 238+00
 STA. 249+00
 80% FEDERAL
 20% STATE
 X081-2A
 QUANTITY

LOCATION OF WORK:

CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	247.0
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	107.0
20200100	EARTH EXCAVATION	CU YD	2,790.0
20400800	FURNISHED EXCAVATION	CU YD	2,250.0
20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	266.0
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	2,733.0
* 25000300	SEEDING, CLASS 3	ACRE	2.0
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	174.0
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	174.0
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	174.0
* 25100115	MULCH, METHOD 2	ACRE	2.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	193.0
28000300	TEMPORARY DITCH CHECKS	EACH	12.0
28000400	PERIMETER EROSION BARRIER	FOOT	1,572.0
28000500	INLET AND PIPE PROTECTION	EACH	2.0
28100109	STONE RIPRAP, CLASS A5	SQ YD	1,475.0
28200200	FILTER FABRIC	SQ YD	1,475.0
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	1.0
31200100	STABILIZED SUB-BASE 4"	SQ YD	355.0
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	364.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	287.0
40600300	AGGREGATE (PRIME COAT)	TON	11.0
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	577.0
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	176.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	68.0
40800030	AGGREGATE (PRIME COAT)	TON	2.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	51.0
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	301.0
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	218.0
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	87.0
44000100	PAVEMENT REMOVAL	SQ YD	501.0
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	27.0

* SPECIALTY ITEM

PLOT DATE = 8/10/2007
 FILE NAME = c:\projects\70232\text.dgn
 PLOT SCALE = 43.2354' / IN.
 USER NAME = collierbw

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A.P. ROUTE 721 (IL 10)
SECTION 113BR1BR
DEWITT COUNTY
Sheet 1 of 3

SCALE: NOT TO SCALE DRAWN BY: B.S.P.
DATE: 07/03/07 CHECKED BY: R.M.N.

F.A.P. RYE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	61	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

SHEET 2 OF 3

LOCATION OF WORK:

DEWITT COUNTY
RURAL
ROADWAY / STRUCTURE
IMPROVEMENTS
FAP 721 (IL 10)
STA. 238+00
STA. 249+00
80% FEDERAL
20% STATE
X081-2A
QUANTITY

CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	QUANTITY
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	723.0
44000400	GUTTER REMOVAL	FOOT	461.0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	35.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	295.0
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SQ YD	12.0
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.0
50200100	STRUCTURE EXCAVATION	CU YD	282.0
50300100	FLOOR DRAINS	EACH	22.0
50300225	CONCRETE STRUCTURES	CU YD	104.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	242.0
50300260	BRIDGE DECK GROOVING	SQ YD	627.0
50300280	CONCRETE ENCASEMENT	CU YD	7.0
50300300	PROTECTIVE COAT	SQ YD	826.0
50401105	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 54 IN.	FOOT	1,119.0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	62,450.0
50800515	BAR SPLICERS	EACH	64.0
51201610	FURNISHING STEEL PILES HP12X63	FOOT	741.0
51202305	DRIVING PILES	FOOT	741.0
51203610	TEST PILE STEEL HP12X63	EACH	3.0
51500100	NAME PLATES	EACH	1.0
54215547	METAL END SECTIONS 12"	EACH	2.0
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	110.0
60100945	PIPE DRAINS 12"	FOOT	71.0
60109580	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	163.0
60500060	REMOVING INLETS	EACH	2.0
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1.3
60602800	CONCRETE GUTTER, TYPE B	FOOT	348.0
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	35.0
60900115	TYPE B INLET BOX, STANDARD 609001	EACH	2.0

PLOT DATE = 8/9/2007
 FILE NAME = C:\p0\projects\6030002\18N\70232\text.dgn
 PLOT SCALE = 43.2355' / IN.
 USER NAME = collierbw

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
F.A.P. ROUTE 721 (IL 10)
SECTION 113BR1BR
DEWITT COUNTY
Sheet 2 of 3

SCALE: NOT TO SCALE
DATE: 07/03/07

DRAWN BY: B.B.P.
CHECKED BY: R.M.N.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113BR1BR	DEWITT	81	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

SHEET 3 OF 3

LOCATION OF WORK:

DEWITT COUNTY
RURAL
ROADWAY / STRUCTURE
IMPROVEMENTS
FAP 721 (IL 10)
STA. 238+00
STA. 249+00.
80% FEDERAL
20% STATE
X081-2A
QUANTITY

CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	QUANTITY
60900515	CONCRETE THRUST BLOCKS	EACH	2.0
*63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	1,537.5
*63100085	TRAFFIC BARRIER TERMINAL, TYPE G	EACH	4.0
*63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	1.0
63200310	GUARDRAIL REMOVAL	FOOT	1,487.0
66201120	CONCRETE SHOULDER CURB	FOOT	30.0
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	4.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7.0
67100100	MOBILIZATION	L SUM	1.0
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3,407.0
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	14.0
*78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	4.0
*78200405	GUARDRAIL MARKERS	EACH	26.0
*78200500	BARRIER WALL MARKERS	EACH	8.0
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11.0
X0323830	DRAINAGE SCUPPERS, DS-11	EACH	2.0
X0324865	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	809.0
*X0324952	DETOUR SIGNING	L SUM	1.0
X0976500	END SECTIONS TO BE REMOVED	EACH	2.0
X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0
Z0037300	PAVEMENT GROOVING	SQ YD	204.0
Z0038700	PERMANENT BENCH MARKS	EACH	1.0
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	168.0
*SPECIALITY ITEM			

PLOT DATE = 8/16/2007
 FILE NAME = c:\projects\70232\text.dgn
 PLOT SCALE = 43.254 / IN.
 USER NAME = collierbw

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

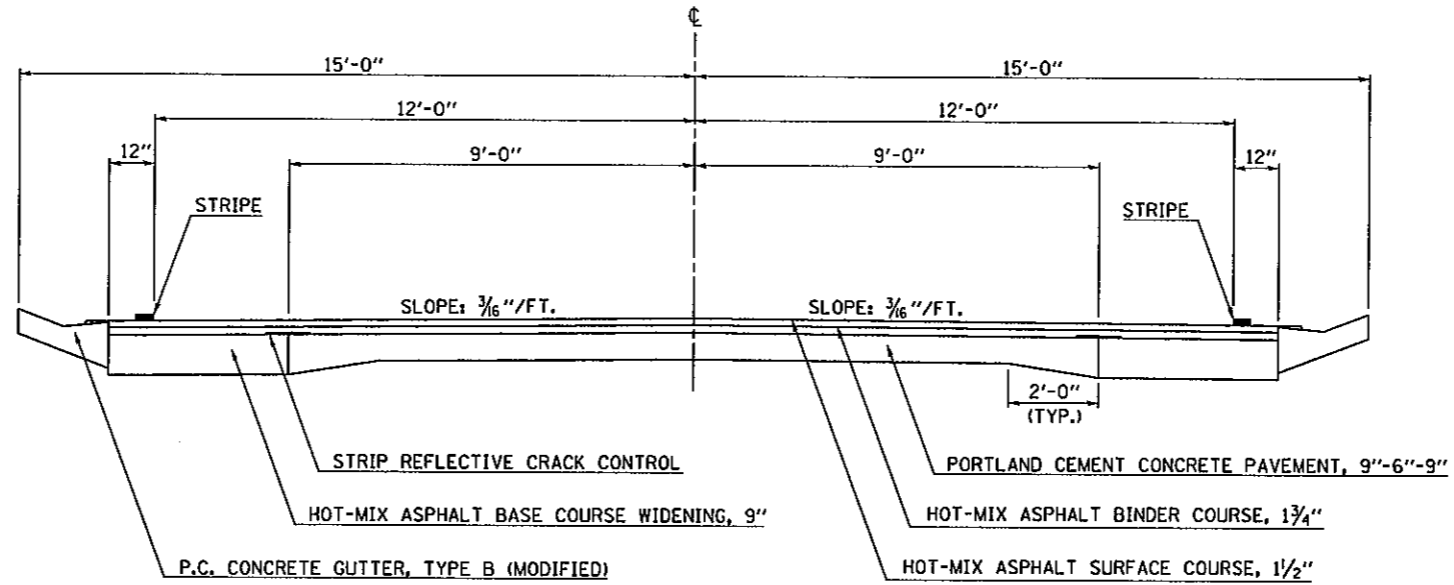
F.A.P. ROUTE 721 (IL 10)
SECTION (113BR1BR
DEWITT COUNTY
Sheet 3 of 3

SCALE: NOT TO SCALE DRAWN BY: B.B.P.
DATE: 07/03/07 CHECKED BY: R.M.H.

F.A.P. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BRBR	DEWITT	81	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

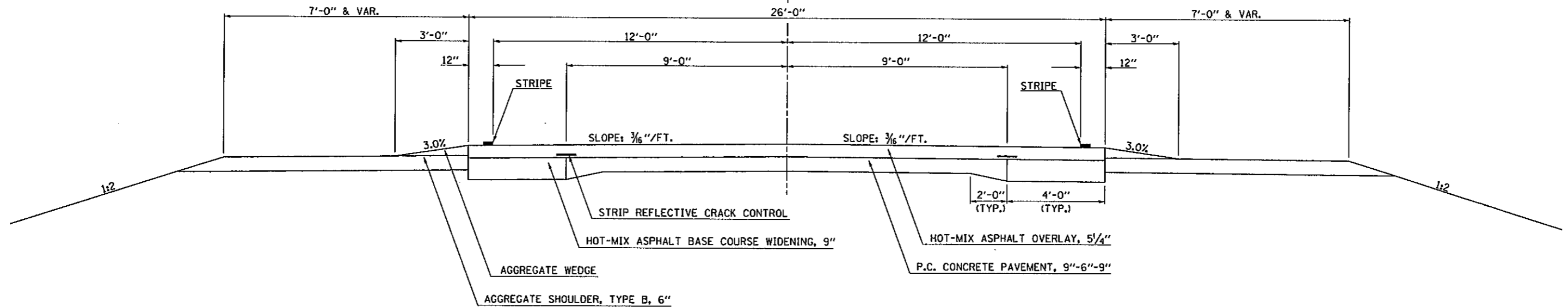
EXISTING TYPICAL CROSS SECTION

STATION TO STATION
238+00.00 239+84.00



EXISTING TYPICAL CROSS SECTION

STATION TO STATION
239+84.00 241+03.00
248+31.00 249+00.00

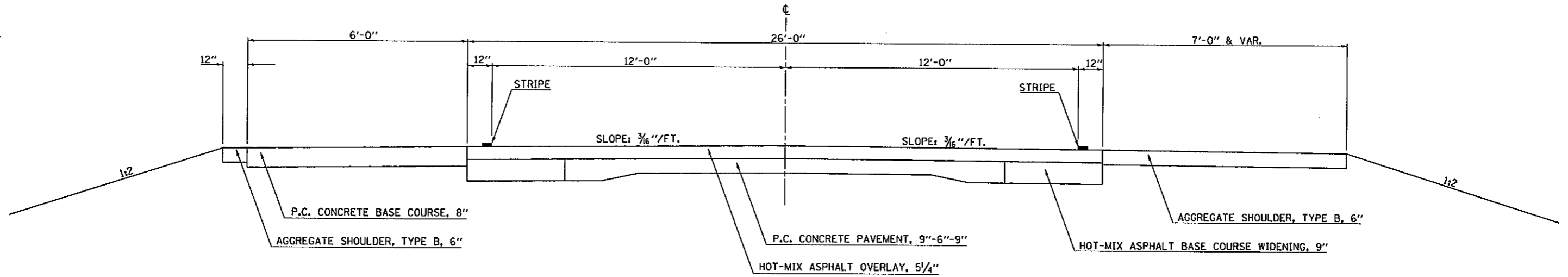


PLOT DATE = 8/10/2007
FILE NAME = c:\projects\ad503002\181\typical.dgn
PLOT SCALE = 43.2355' / IN.
USER NAME = collierbw

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113BR)BR	DEWITT	01	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

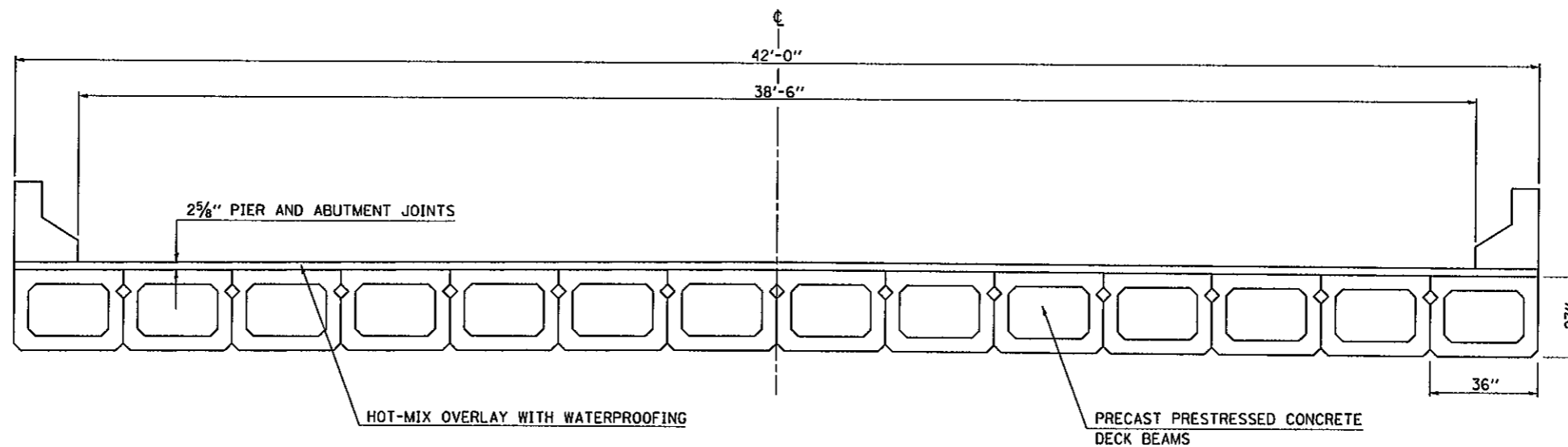
EXISTING TYPICAL CROSS SECTION

STATION TO STATION
 241+03.00 TO 242+73.34 (BRIDGE APPROACH)
 (BRIDGE APPROACH) 246+32.66 TO 248+31.00



EXISTING TYPICAL DECK CROSS SECTION

STATION TO STATION
 242+93.34 TO 246+12.66

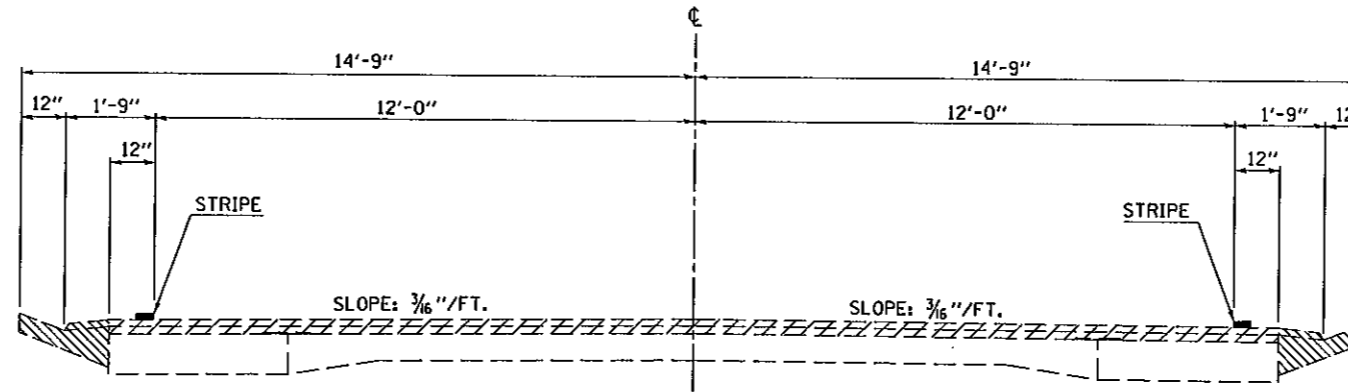


PLOT DATE = 8/10/2007
 FILE NAME = c:\p\projects\4503002\181\typical.dgn
 PLOT SCALE = 43.2355' / IN.
 USER NAME = collierbw

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PROPOSED TYPICAL CROSS SECTION FOR REMOVAL

STATION TO STATION
238+00.00 TO 239+84.00



HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

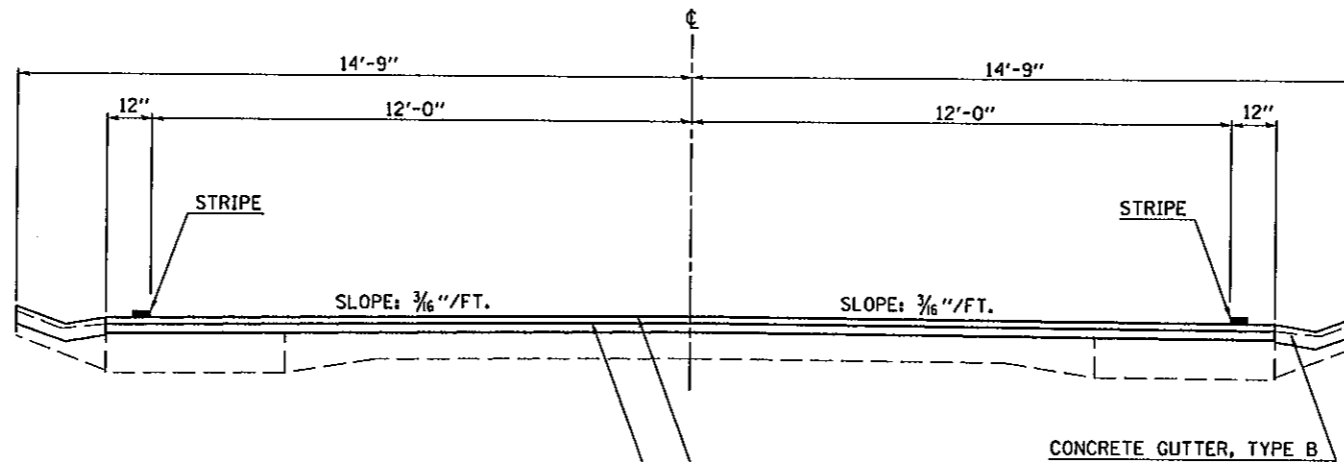
STATION	DEPTH AT C	FINAL ELEVATION
238+00.00	0.27	682.01
238+25.00	0.27	680.87
238+50.00	0.27	679.73
238+75.00	0.27	678.58
239+00.00	0.25	677.46
239+25.00	0.23	676.44
239+50.00	0.14	675.49
239+75.00	0.00	674.58
239+84.00	0.00	674.59

GUTTER REMOVAL

SEE SCHEDULE ON SHEET 14 OF 81

① PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
238+00.00 TO 239+84.00 ②



HOT-MIX ASPHALT SURFACE COURSE, "MIX C", N50 (168 LBS./SQ. YD.)

HOT-MIX ASPHALT BINDER COURSE, IL. 19, N50 (224 LBS./SQ. YD.) AND VAR. SEE SCHEDULE ON SHEET 14 OF 81

BINDER COURSE - VARIABLE DEPTH

STATION	THICKNESS AT C	TOP OF BINDER ELEVATION	STATION	THICKNESS AT C	TOP OF BINDER ELEVATION
238+00.00	0.17	682.16	239+50.00	0.17	675.66
239+50.00	0.17	675.66	239+75.00	0.19	674.77
239+75.00	0.19	674.77	239+84.00	0.25	674.58

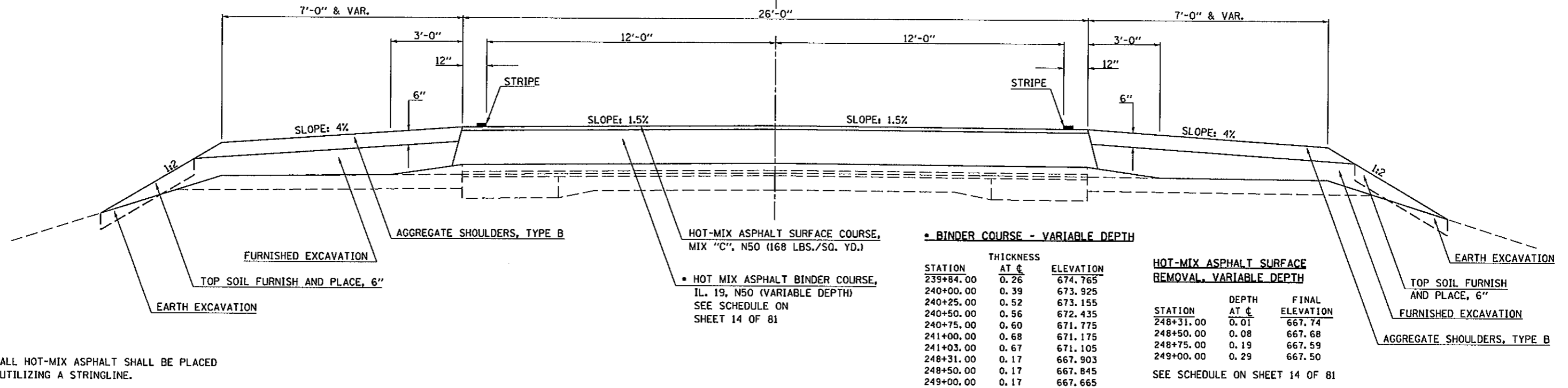
ALL HOT-MIX ASPHALT SHALL BE PLACED UTILIZING A STRINGLINE.

PLOT DATE = 8/10/2007
FILE NAME = c:\projects\4503002\81\Typical.dgn
PLOT SCALE = 43.2355' / IN.
USER NAME = collierdw

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR18R	DEWITT	81	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

② PROPOSED TYPICAL CROSS SECTION

STATION	TO	STATION
① 239+84.00		241+03.00 ③
③ 248+31.00		249+00.00

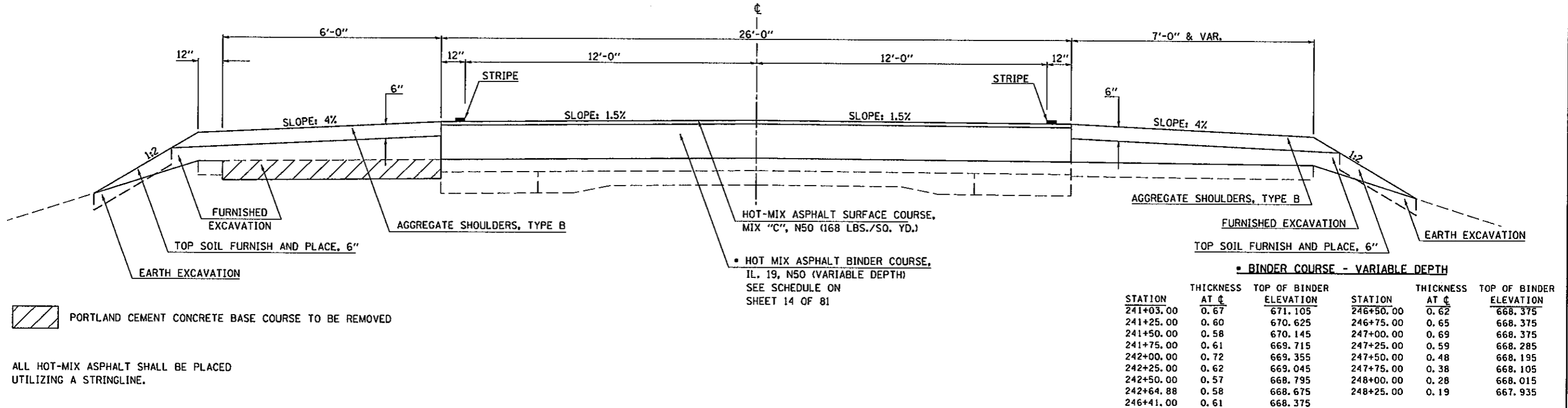


ALL HOT-MIX ASPHALT SHALL BE PLACED UTILIZING A STRINGLINE.

③ PROPOSED TYPICAL CROSS SECTION

BRIDGE APPROACH PAVEMENT:
STATION 242+83.00 TO STATION 243+13.00

STATION	TO	STATION
② 241+03.00		242+64.88 (FLEXIBLE CONNECTOR)
⑤ 246+41.13		248+31.00 ②



PORTLAND CEMENT CONCRETE BASE COURSE TO BE REMOVED

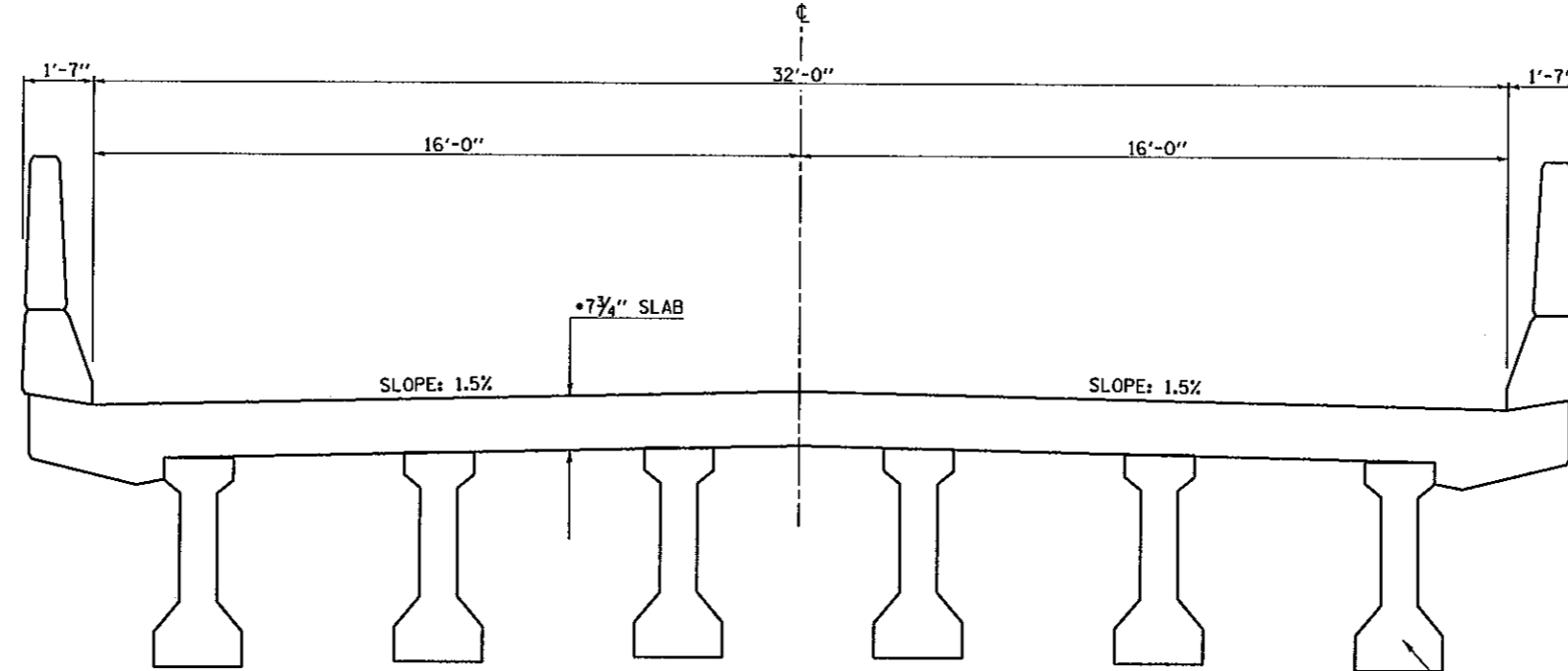
ALL HOT-MIX ASPHALT SHALL BE PLACED UTILIZING A STRINGLINE.

PLOT DATE = 8/10/2007
FILE NAME = c:\p\projects\4503002\18\typical.dgn
PLOT SCALE = 43.2355' / IN.
USER NAME = collierbw

F.A.P. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113BR)BR	DEWITT	81	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

④ PROPOSED TYPICAL BRIDGE CROSS SECTION (S.N. 020-0062)

STATION TO STATION
(BRIDGE APPROACH) 243+13.00 245+01.00 (BRIDGE APPROACH)

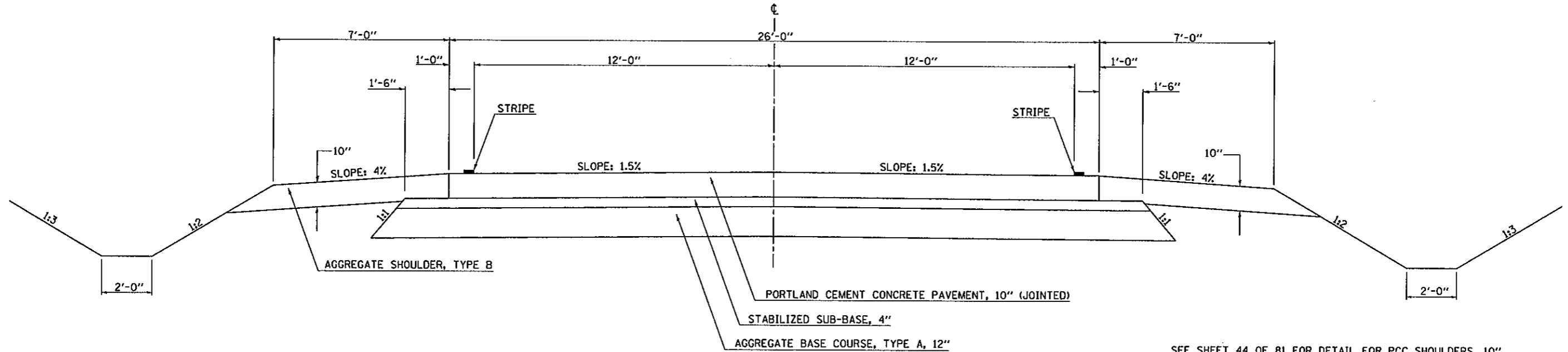


*PRIOR TO GRINDING

PRECAST PRESTRESSED CONCRETE I BEAMS, 54"

⑤ PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
(FLEXIBLE CONNECTOR) 245+37.00 246+41.13



SEE SHEET 44 OF 81 FOR DETAIL FOR PCC SHOULDERS, 10" STATION 245+37.00 TO STATION 245+52.00

PLOT DATE = 8/10/2007
FILE NAME = c:\projects\4503002 (v8)\typical.dgn
PLOT SCALE = 43.2355' / IN.
USER NAME = collierbw

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BRIBR	DEWITT	81	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

SHEET 1 OF 3

EARTHWORK

ROUTE	STATION	TO	STATION	EARTH EXCAVATION (CU YD)	EARTH EX. - 25% SHRINKAGE ADJUSTMENT (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE (CU YD)	TOPSOIL FURNISH AND PLACE, 6" (SQ YD)
IL 10	238+00		249+00	1,026.00	769.50	4,119.00	-3,349.50	2733.00
SALT CREEK	19+00		20+75	1,763.00	1,322.25	218.00	1,104.25	0.00
TOTAL				2,789.00	2,091.75	4,337.00	-2,245.25	2,733.00

EARTH EXCAVATION = 2,790.00
 FURNISHED EXCAVATION = 2,250.00
 TOPSOIL FURNISH AND PLACE, 6" = 2,733.00

BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

STATION	TO	STATION	WIDTH	SO YD
242+64.88		242+83.00	32.00	65.00
245+31.00		245+37.00	32.00	22.00
TOTAL				87.00

BRIDGE APPROACH PAVEMENT (SPECIAL)

STATION	TO	STATION	WIDTH	SO YD
242+83.00		243+13.00	32.50	109.00
245+01.00		245+31.00	32.50	109.00
TOTAL				218.00

REMOVAL OF EXISTING STRUCTURES

STATION	EACH
244+53.00	1
TOTAL	1

PAVEMENT REMOVAL

STATION	TO	STATION	WIDTH FOOT	SO YD
241+03.0	LT	242+64.88	6.00	108.00
242+64.88		242+93.34	42.00	133.00
246+12.66		246+41.13	42.00	133.00
246+41.1	LT	248+31.00	6.00	127.00
TOTAL				501.00

COMBINATION CURB AND GUTTER REMOVAL

STATION	OFFSET	TO	STATION	OFFSET	FOOT
240+60.76	21.36	LT.	240+72.07	34.30	17.59
241+06.21	34.30	LT.	241+17.60	21.60	17.25
TOTAL					34.84
					USE 35.00

GUTTER REMOVAL

STATION	OFFSET	TO	STATION	OFFSET	FOOT
238+00.00	13.00	RT	239+82.31	13.00	182.31
238+00.00	13.00	LT	239+89.62	13.00	189.62
239+82.31	13.00	RT	240+21.61	38.44	47.44
239+89.62	13.00	LT	240+23.94	37.61	41.62
TOTAL					460.99
					USE 461.00

STONE RIPRAP, CLASS A5

STATION	OFFSET	TO	STATION	OFFSET	LENGTH (FOOT)	WIDTH (FOOT)	SO YD
239+82.31	12.97	RT	240+21.68	38.44	47.44	4.00	22.00
239+89.62	13.08	LT	240+23.94	37.61	41.62	4.00	19.00
SUB-TOTAL							41.00
QUANTITY FROM BRIDGE PLANS 1475.00							
TOTAL							1516.00

FILTER FABRIC

STATION	OFFSET	TO	STATION	OFFSET	LENGTH (FOOT)	WIDTH (FOOT)	SO YD
239+82.31	12.97	RT	240+21.68	38.44	47.44	4.00	22.00
239+89.62	13.08	LT	240+23.94	37.61	41.62	4.00	19.00
SUB-TOTAL							41.00
QUANTITY FROM BRIDGE PLANS 1475.00							
TOTAL							1516.00

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

STATION	OFFSET	FLOWLINE ELEV	TO	STATION	OFFSET	FLOWLINE	FOOT
240+60.76	21.36	LT.	670.89	240+72.07	34.30	LT	669.66
241+06.21	34.30	LT.	669.07	241+17.60	21.60	LT	669.57
TOTAL							34.84
							USE 35.00

FLOWLINE ELEVATION IS THE TOP OF CONCRETE.
 ALLOWS FOR 1.5" OF HOT-MIX ASPHALT TO MATCH EXISTING CONDITIONS.

CONCRETE GUTTER, TYPE B

STATION	OFFSET	FLOWLINE ELEV	TO	STATION	OFFSET	FLOWLINE	FOOT
238+00.00	13.00	RT	681.87*	239+70.31	13.00	RT	674.72
238+00.00	13.00	LT	681.83*	239+77.62	13.00	LT	674.47
TOTAL							347.93
							USE 348.00

*MATCH EXISTING FLOWLINE ELEVATION

CLASS SI CONCRETE (OUTLET)

STATION	OFFSET	FLOWLINE ELEV	TO	STATION	OFFSET	FLOWLINE	CU YD
239+70.31	13.00	RT	674.72	239+82.31	13.00	RT	674.32
239+77.62	13.00	LT	674.47	239+89.62	13.00	LT	674.06
TOTAL							1.28
							USE 1.30

ENTRANCES

STATION	OFFSET	AREA (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL (SQ YD)	BITUMINOUS MATERIALS (PRIME) (GAL)	AGGREGATE (PRIME) (TON)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)
240+33.00	RT	51.65	7.00	16.00	1.00	13.00
240+92.00	LT	129.00	20.00	52.00	1.00	38.00
TOTALS			27.00	68.00	2.00	51.00

PLOT DATE = 8/9/2007
 FILE = G:\projects\70232\70232.dgn
 PLOT SCALE = 43.2555 / IN.
 USER NAME = COLLIERDW

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113BRIBR
 DEWITT COUNTY
 Sheet 1 of 3
 SCALE: NOT TO SCALE
 DATE: 07/03/07
 DRAWN BY: B.B.P.
 CHECKED BY: R.M.H.

F.A.P. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

SHEET 3 OF 3

SEEDING

STATION	STATION	SEEDING, CLASS 3 (ACRES)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH, METHOD 2 (ACRES)	TEMPORARY EROSION CONTROL SEEDING (POUND)
238+00. RT	243+13. RT	0.38	34.2	34.2	34.2	0.38	38.00
238+00. LT	243+13. LT	0.32	28.8	28.8	28.8	0.32	32.00
244+00. RT	249+00. RT	0.64	57.6	57.6	57.6	0.64	64.00
244+00. LT	249+00. LT	0.59	53.1	53.1	53.1	0.59	59.00
TOTALS		1.93	173.7	173.7	173.7	1.93	193.00
USE		2.00	174.00	174.00	174.00	2.00	193.00

END SECTIONS TO BE REMOVED

STATION	OFFSET	EACH
242+74.73	RT 40.73'	1
242+74.63	LT 44.36'	1
TOTAL		2

REMOVING INLETS

STATION	OFFSET	EACH
242+75.42	RT 18.10	1
242+75.19	LT 18.22	1
TOTAL		2

GUARDRAIL REMOVAL

STATION	OFFSET	TO	STATION	OFFSET	FOOT
240+46.01	34.48 RT		240+65.48	19.87 RT	26.14
240+65.48	19.87 RT		242+94.00	20.38 RT	228.52
241+20.66	22.16 LT		241+42.63	21.32 LT	21.99
241+42.63	21.32 LT		242+94.13	20.39 LT	151.50
246+11.84	20.58 RT		251+26.70	19.93 RT	514.86
246+11.96	20.34 LT		251+26.17	20.42 LT	514.20
251+26.17	20.42 LT		251+39.41	25.34 LT	14.46
251+26.70	19.93 RT		251+39.55	25.35 RT	14.60
TOTAL					1486.27
USE					1487.00

STEEL PLATE BEAM GUARD RAIL, TYPE A

STATION	OFFSET	TO	STATION	OFFSET	FOOT
240+45.35	41.99 RT		240+65.48	20.00 RT	33.65
240+65.48	20.00 RT		242+69.25	17.65 RT	203.85
241+69.25	20.00 LT		242+69.25	17.65 LT	100.00
245+44.75	16.50 RT		251+26.70	20.00 RT	582.08
245+44.75	16.50 LT		251+26.17	20.00 LT	581.54
251+26.17	20.00 LT		251+41.62	28.47 LT	18.46
251+26.70	20.00 RT		251+41.40	28.21 RT	17.92
TOTAL					1537.50

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)

STATION	OFFSET	TO	STATION	OFFSET	EACH
241+19.25	20.00 LT		241+69.25	20.00 LT	1.00
TOTAL					1.00

TRAFFIC BARRIER TERMINAL, TYPE 6

STATION	OFFSET	TO	STATION	OFFSET	EACH
242+69.25	17.65 RT		243+14.90	17.65 RT	1.00
242+69.25	17.65 LT		243+14.90	17.65 LT	1.00
244+99.10	16.50 RT		245+44.75	16.50 RT	1.00
244+99.10	16.50 LT		245+44.75	16.50 LT	1.00
TOTAL					4.00

GUARDRAIL MARKERS

STATION	TO	STATION	EACH
240+65.48 RT		243+14.90 RT	5
241+69.25 LT		243+14.90 LT	3
245+44.75 RT		251+26.70 RT	9
245+44.75 LT		251+26.17 LT	9
TOTAL MONODIRECTIONAL SILVER			26

BARRIER WALL MARKERS

STATION	TO	STATION	EACH
243+14.90 RT		244+99.10 RT	4
243+14.90 LT		244+99.10 LT	4
TOTAL MONODIRECTIONAL SILVER			8

TERMINAL MARKER - DIRECT APPLIED

STATION	EACH
241+19.25 LT	1
TOTAL	1

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STATION	TO	STATION	EACH
238+00.00		242+64.88	7
246+41.13		249+00.00	4
TOTAL			11

RAISED REFLECTIVE PAVEMENT MARKER

STATION	TO	STATION	EACH
238+00.00		243+13.00	8
245+01.00		249+00.00	6
TOTAL			14

RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)

STATION	TO	STATION	EACH
243+13.00		245+01.00	4
TOTAL			4

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

STATION	OFFSET	EACH
241+10.00	55.00 LT	1
241+10.00	70.00 LT	1
249+00.00	70.00 LT	1
249+00.00	55.00 LT	1
TOTAL		4

PAINT PAVEMENT MARKING - LINE 4"

ROUTE	STATION	TO	STATION	LENGTH	4" WHITE (FOOT)	4" SKIP DASH YELLOW (FOOT)	4" NO PASSING YELLOW (FOOT)
IL 10	238+00.00		249+00.00	1,100.00	2,200.0	275.00	932.00
SUB-TOTALS					2,200.0	275.00	932.00
TOTAL WHITE					2,200.00		
TOTAL YELLOW					1,207.00		
TOTAL					3,407.00		

ILLINOIS DEPARTMENT OF TRANSPORTATION SCHEDULE OF QUANTITIES

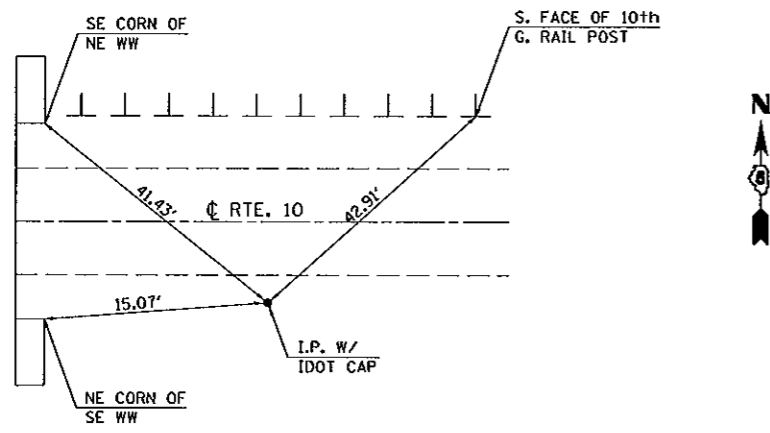
F.A.P. ROUTE 721 (IL 10)
SECTION 113BR1BR
DEWITT COUNTY
Sheet 3 of 3

SCALE: NOT TO SCALE
DATE: 07/03/07
DRAWN BY: B.B.P.
CHECKED BY: R.M.N.

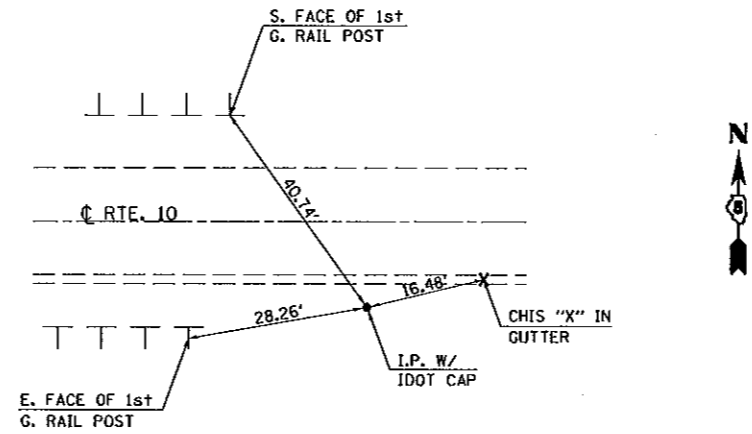
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

RECOVERY TIES

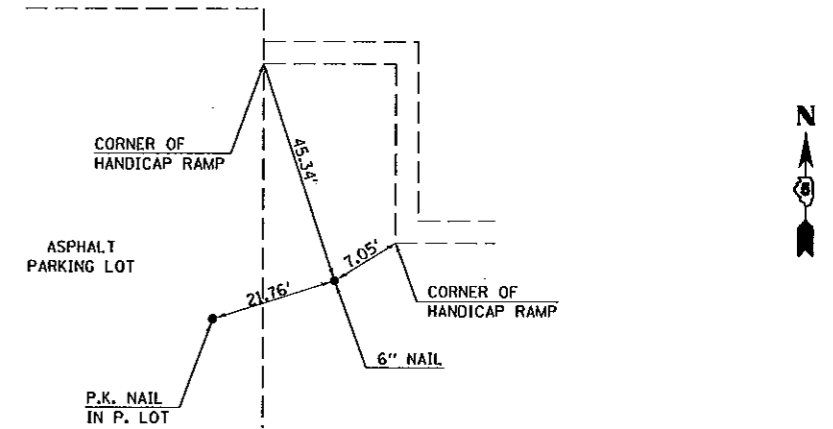
T.S. #400
STATION 246 + 27.79 / 18.39' RT.



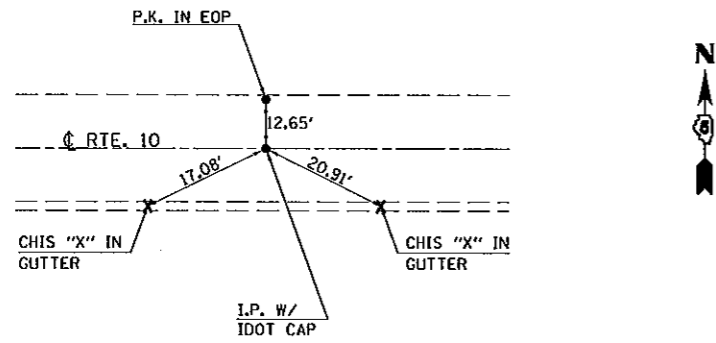
T.S. #401
STATION 236 + 93.18 / 18.78' RT.



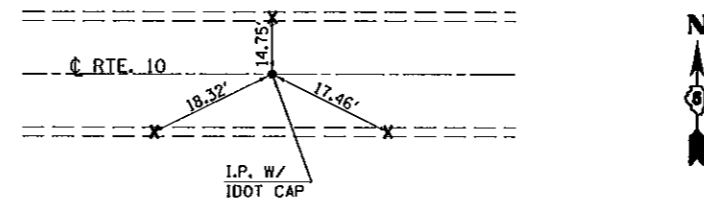
T.S. #402
STATION 241 + 72.51 / 348.75' LT.



P.O.T. #1
STATION 230 + 21.50



P.O.T. #4
STATION 262 + 53.10



•ALL TIES ARE CHIS "X"'s
IN CONC. GUTTER.

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL OF RECOVERY TIE POINTS

F.A.P. RTE. 721 (IL RTE. 10)
SECTION 113BR1BR
DEWITT COUNTY

SCALE: NOT TO SCALE
DATE: 07/03/07

DRAWN BY: B.B.P.
CHECKED BY: R.M.N.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BRDR	DEWITT	81	19
STA. 247+00.00		TO STA. 253+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

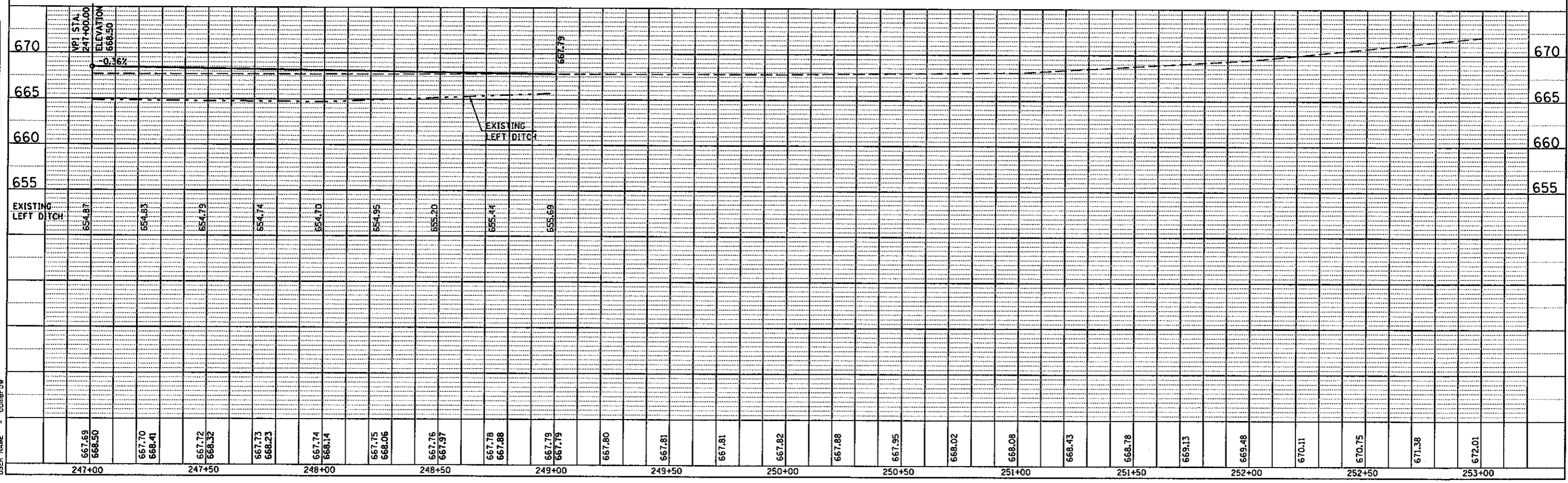
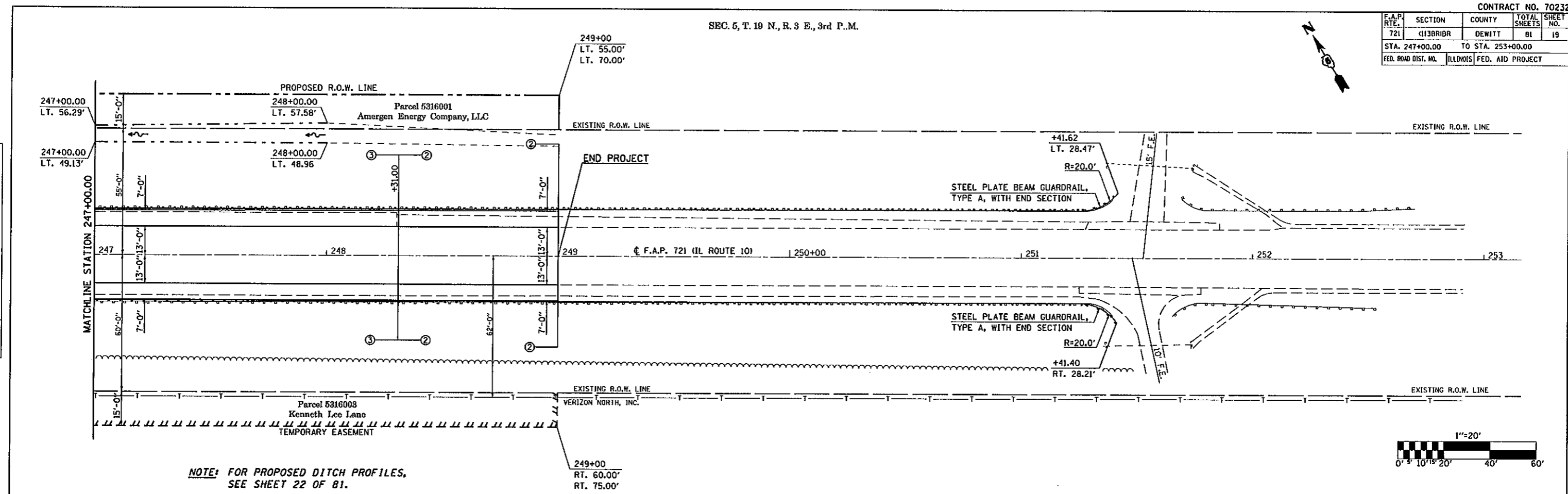
SEC. 5, T. 19 N., R. 3 E., 3rd P.M.



PLAN	DATE
BY	
CHECKED	
DATE	
NOTE BOOK NO.	
DATE	

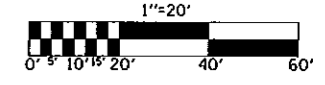
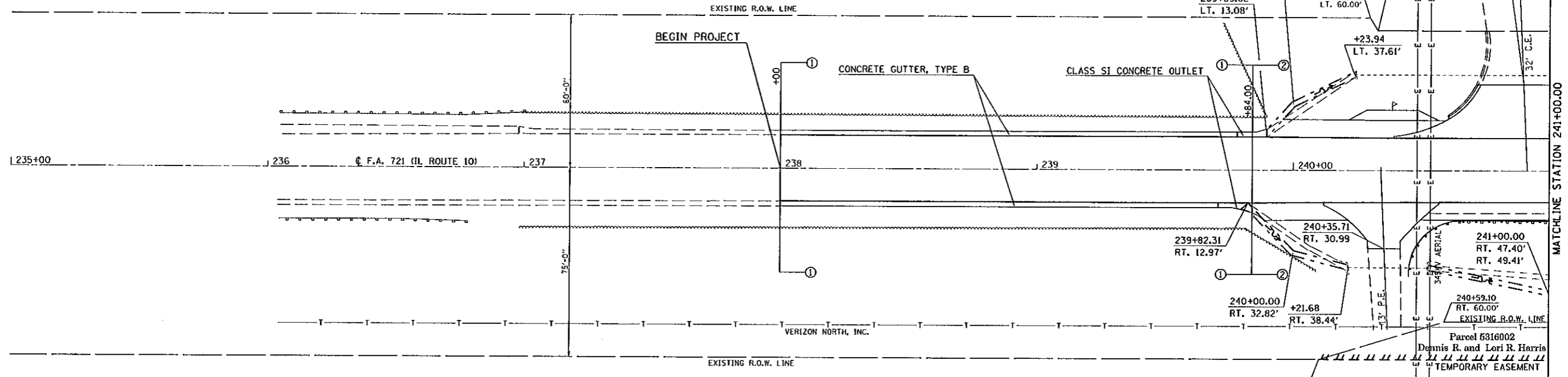
PROFILE	DATE
BY	
CHECKED	
DATE	
NOTE BOOK NO.	
DATE	

PLOT DATE = 8/10/2007
 FILE NAME = c:\pcc\projects\503002\p81\p820.dgn
 PLOT SCALE = 43.2355' / IN.
 USER NAME = collierbw



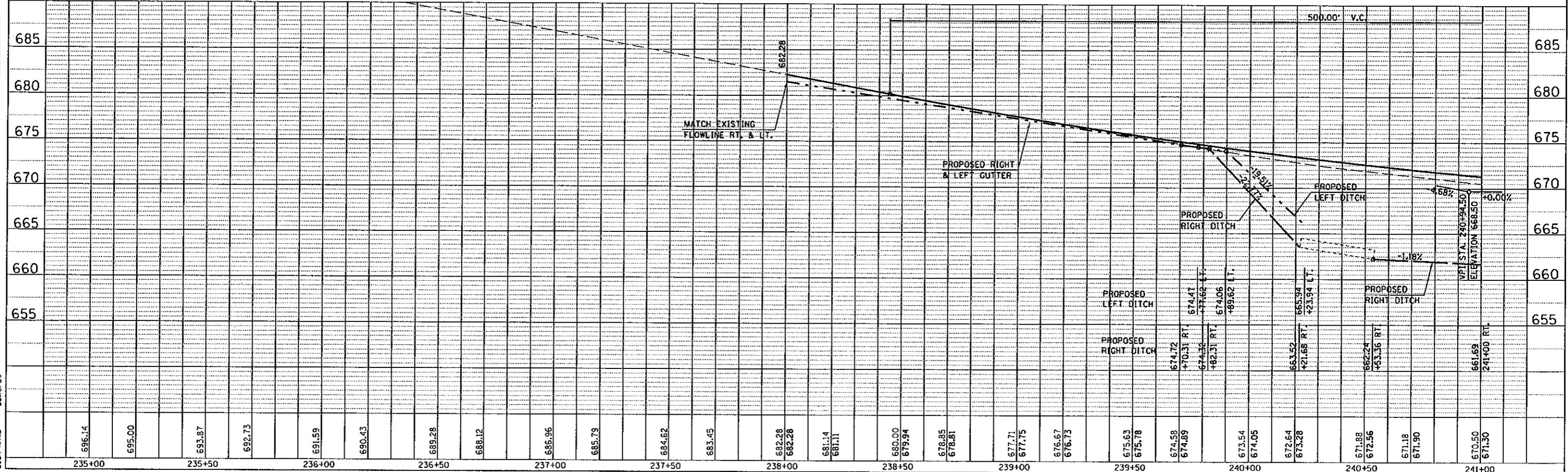
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113R)BR	DEWITT	81	20
STA. 235+00.00 TO STA. 241+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	DATE
BY	
NO.	
NO.	
NO.	
NO.	



PROFILE	DATE
BY	
NO.	
NO.	
NO.	
NO.	

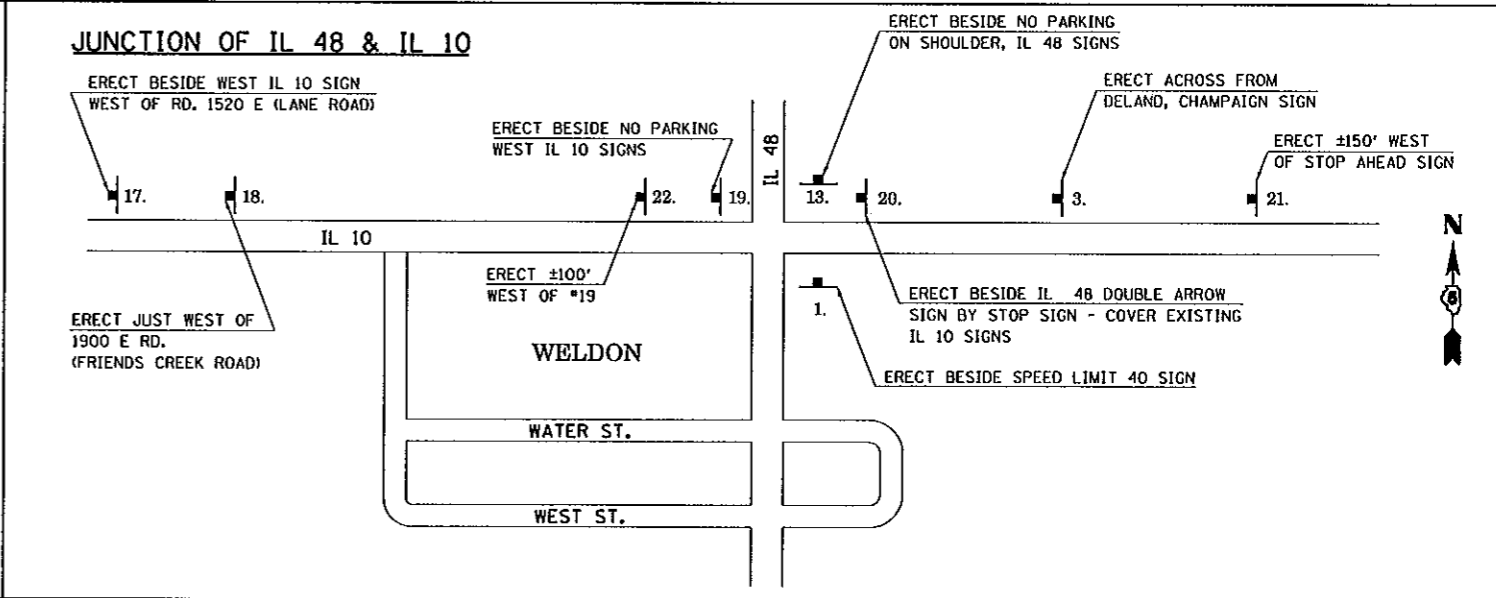
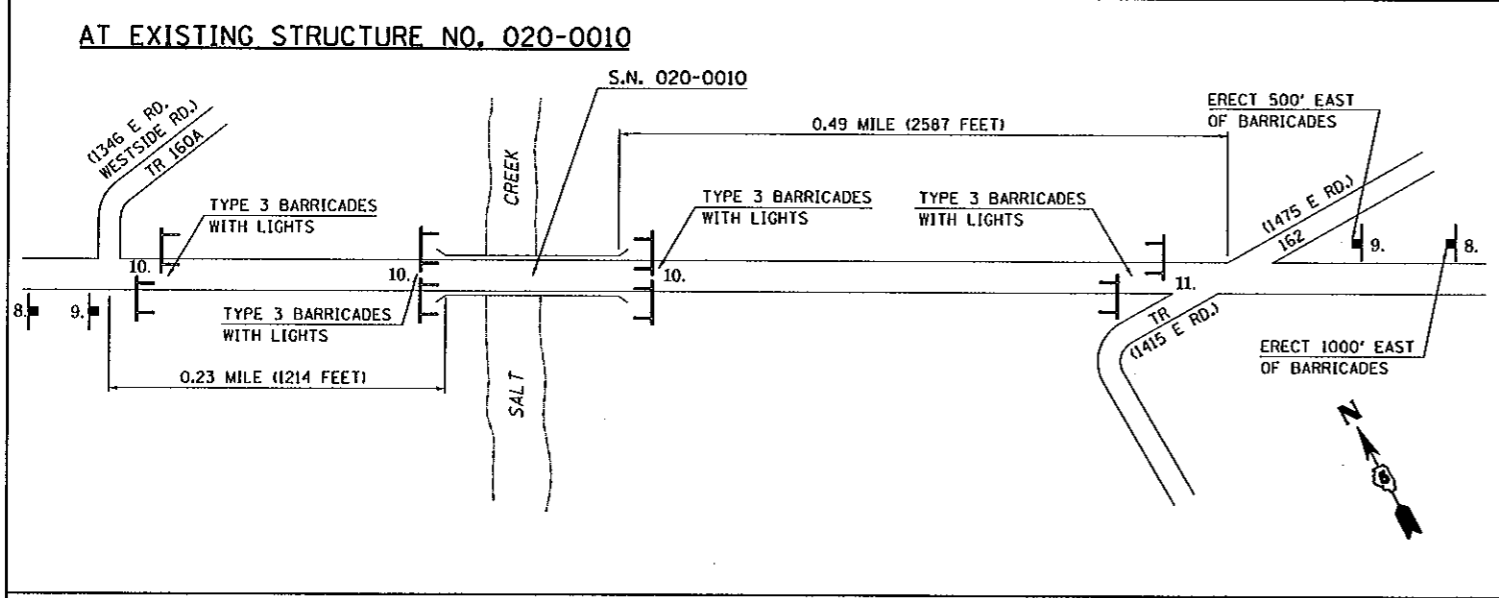
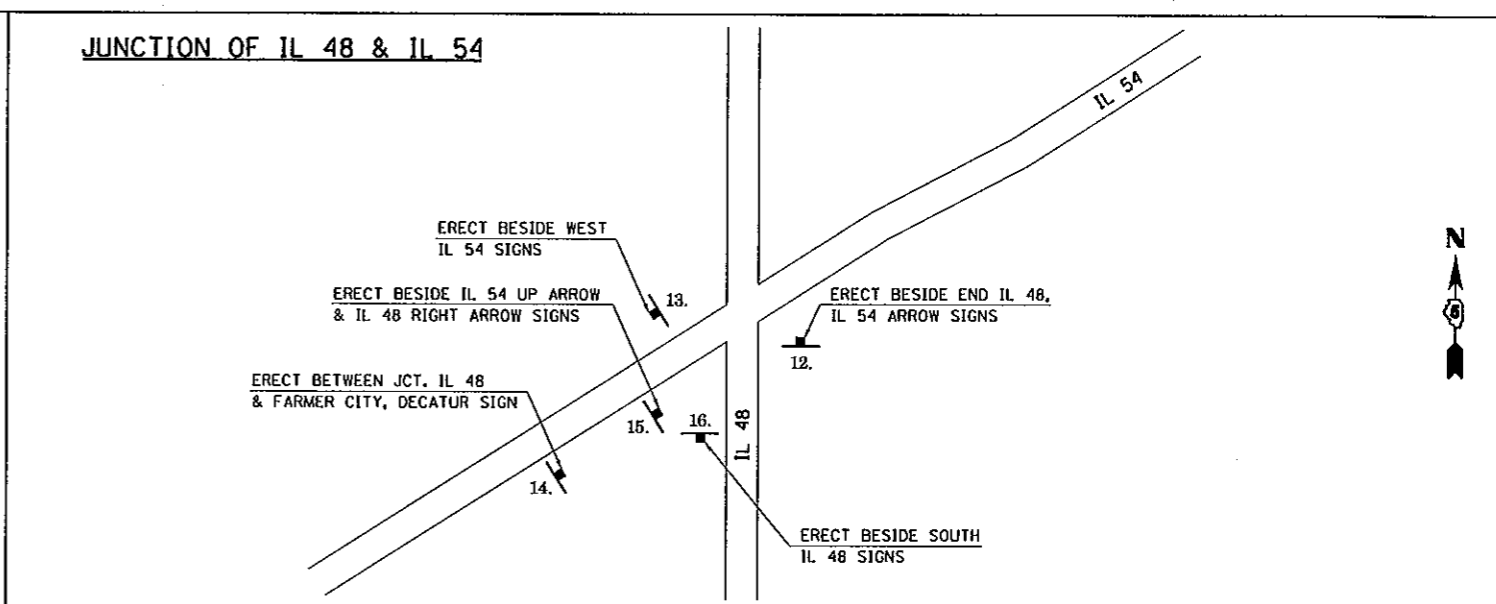
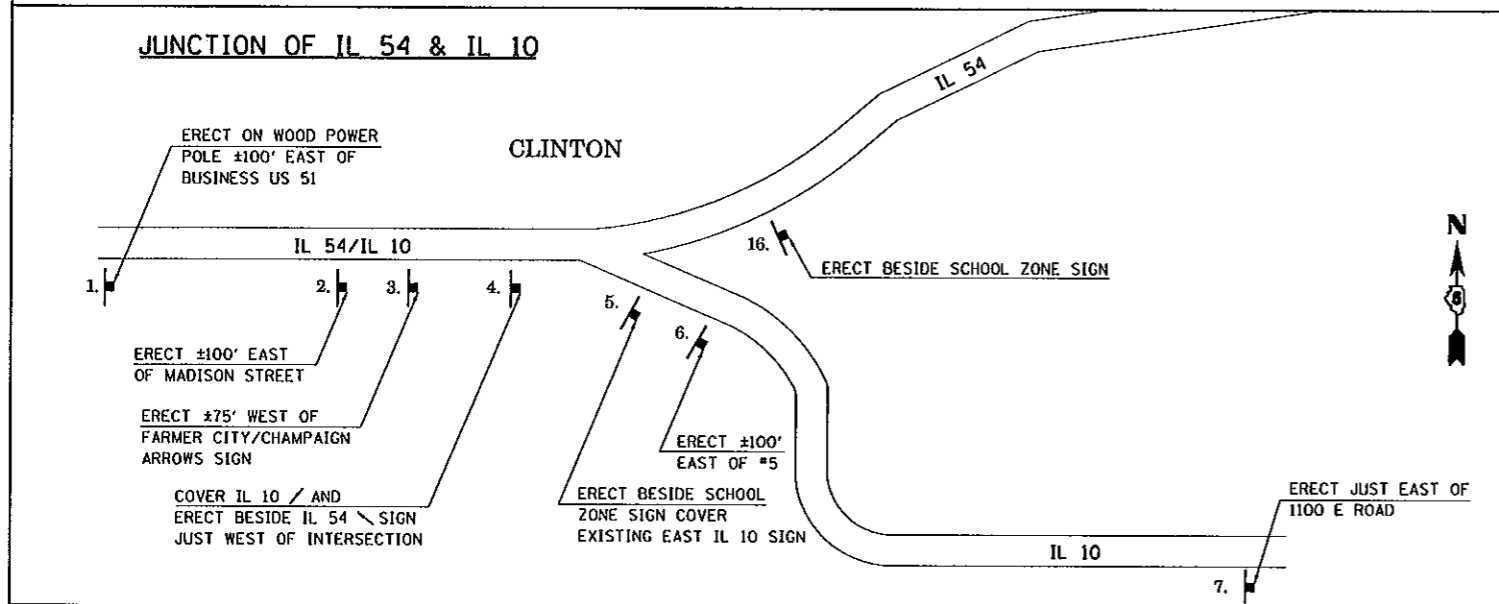
PLOT DATE = 7/3/2007
 FILE NAME = c:\p0\lectas\d03002 (v8)\10232br-ditches.dgn
 PLOT SCALE = 43.2355 / IN.
 USER NAME = collierDw



Proposed Ditch Profiles

TRAFFIC CONTROL PLAN FOR MARKED ROUTE ROAD CLOSED DETOUR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	23
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

<p>1. IL 10 CLOSED 4 MILES EAST OF CLINTON 36" x 18" ORANGE HWY C LETTERING</p>	<p>3. DETOUR AHEAD 48" x 48"</p>	<p>5. ROAD CLOSED AHEAD 4 MILES 24" x 12"</p>	<p>7. ROAD CLOSED AHEAD 2 1/2 MILES</p>	<p>9. BARRICADE AHEAD</p>	<p>11. ROAD CLOSED TO THRU TRAFFIC 60" x 30"</p>	<p>13. DETOUR WEST ILL 10</p>	<p>15. DETOUR EAST ILL 10</p>	<p>17. ROAD CLOSED AHEAD 1 MILE</p>	<p>19. ROAD CLOSED AHEAD 7 MILES</p>	<p>21. ROAD CLOSED AHEAD</p>	<p>22. IL 10 CLOSED AT SALT CREEK SPILLWAY ACCESS CLOSED 48" x 24" ORANGE HWY C LETTERING</p> <p>NOTE: A SECOND #22 SIGN SHALL BE ERECTED ON C.H. 14 (DEWITT RD.) AT THE MASCOUTIN AREA ENTRANCE. CONTACT IDNR FOR EXACT LOCATION.</p>
<p>2. ROAD CLOSED AHEAD 21" x 15" ORANGE</p>	<p>4. DETOUR EAST ILL 10</p>	<p>6. SPILLWAY ACCESS CLOSED WEST SIDE DAY-USE ACCESS OPEN 48" x 24" ORANGE HWY C LETTERING</p>	<p>8. ROAD CLOSED AHEAD</p>	<p>10. ROAD CLOSED 48" x 30"</p>	<p>12. DETOUR WEST ILL 10 24" x 12" 24" x 12" 24" x 24" 21" x 15"</p>	<p>14. DETOUR EAST ILL 10</p>	<p>16. DETOUR EAST ILL 10</p>	<p>18. ROAD CLOSED AHEAD 5 MILES</p>	<p>20. DETOUR WEST ILL 10</p>		

PLOT DATE = 7/3/2007
 FILE NAME = c:\projects\4503002\vb110232det-1111.dgn
 PLOT SCALE = 43.2354 / IN.
 USER NAME = collierbw

ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL PLAN FOR
 MARKED ROUTE ROAD CLOSED DETOUR**
 F.A.P. RTE. 721 (IL RTE. 10)
 SECTION 113BR1BR
 DEWITT COUNTY

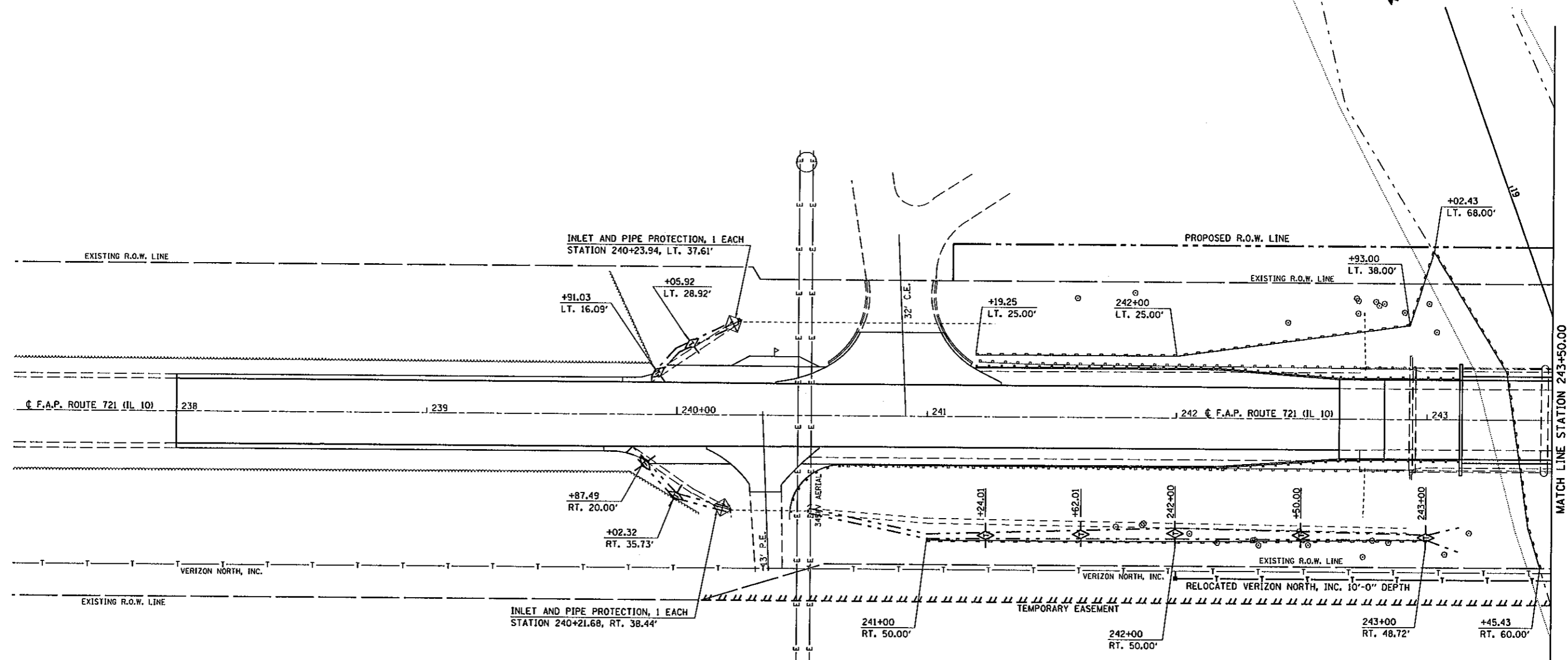
SCALE: NOT TO SCALE
 DATE: 07/03/07

DRAWN BY: B.B.P.
 CHECKED BY: R.M.N.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EROSION CONTROL PLAN

SHEET 1 OF 2



TEMPORARY DITCH CHECKS

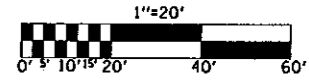
STATION	OFFSET	EACH
239+87.49	RT 20.00	1
239+91.03	LT 16.09	1
240+00.00	RT 32.82	1
240+05.92	LT 28.92	1
241+24.01	RT 47.87	1
241+62.01	RT 47.24	1
242+00.00	RT 46.68	1
242+50.00	RT 47.13	1
243+00.00	RT 47.72	1
TOTAL		9

PERIMETER EROSION BARRIER

STATION	OFFSET	STATION	OFFSET	FOOT
241+00.00	50.00 RT	242+00.00	50.00 RT	100.00
241+19.25	25.00 LT	242+00.00	25.00 LT	81.00
242+00.00	50.00 RT	243+00.00	48.72 RT	101.00
242+00.00	25.00 LT	242+93.00	38.00 LT	94.00
242+93.00	38.00 LT	243+02.43	67.64 LT	32.00
243+02.43	67.64 LT	243+45.43	60.00 RT	137.00
TOTAL				545.00

INLET AND PIPE PROTECTION

STATION	OFFSET	EACH
240+21.6	RT 38.44	1
240+23.9	LT 37.61	1
TOTAL		2



ILLINOIS DEPARTMENT OF TRANSPORTATION
EROSION CONTROL PLAN
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113BR1BR
 DEWITT COUNTY
 Sheet 1 of 2
 SCALE: 1" = 20'
 DATE: 07/03/07
 DRAWN BY: B.B.P.
 CHECKED BY: R.M.M.

PLT DATE = 8/10/2007
 FILE NAME = c:\projects\4563002\4563002\erosion.dgn
 PLOT SCALE = 43.2355 / IN.
 USER NAME = collterby

Bench Mark: BM#4676-2; 21.25' LT. @ Station 242+93.20. Elev. = 667.685

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	B1	26
18 SHEETS				

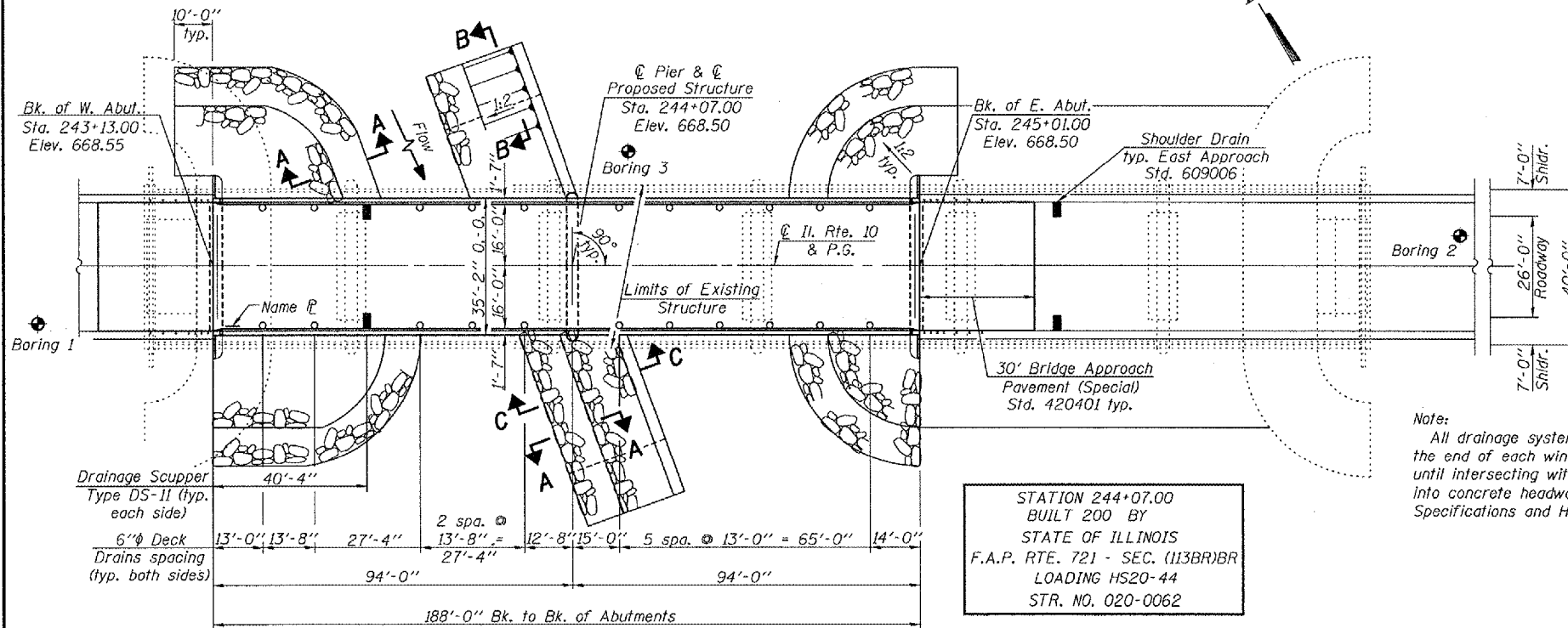
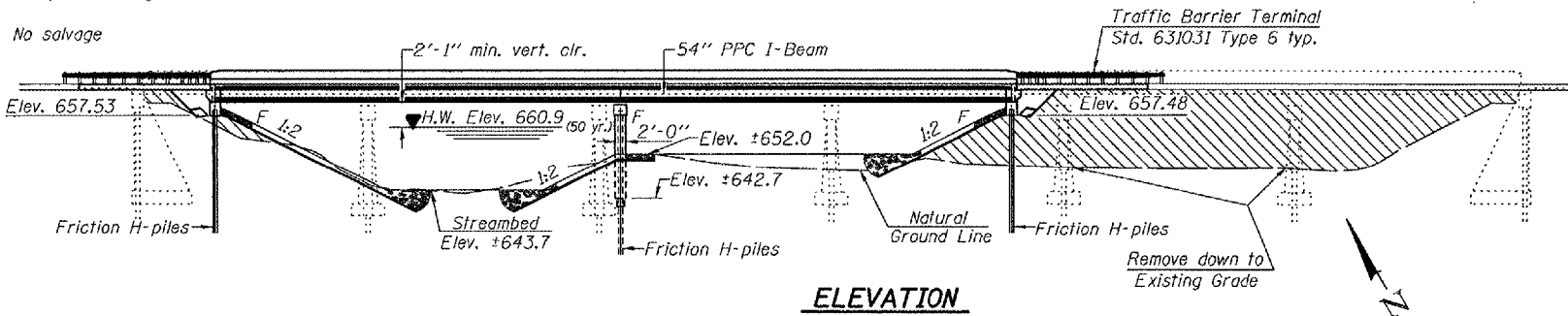
Contract #70232

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60 (II, Modified). See Special Provisions.
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
Up to 1/4 inch will be ground off the bridge slab and bridge approach pavement. Reinforcement bars designated (E) shall be epoxy coated.
The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

INDEX OF SHEETS

1. General Plan & Details
2. Top of Slab Elevations
3. Top of West Approach Slab Elevations
4. Top of East Approach Slab Elevations
5. Superstructure
6. Superstructure Details
7. Drainage Scupper
8. Diaphragm Details
9. Framing Plan
10. Beam Details
11. West Abutment
12. East Abutment
13. Pier
14. Pier Details
15. Bar Splacers
16. Boring Logs

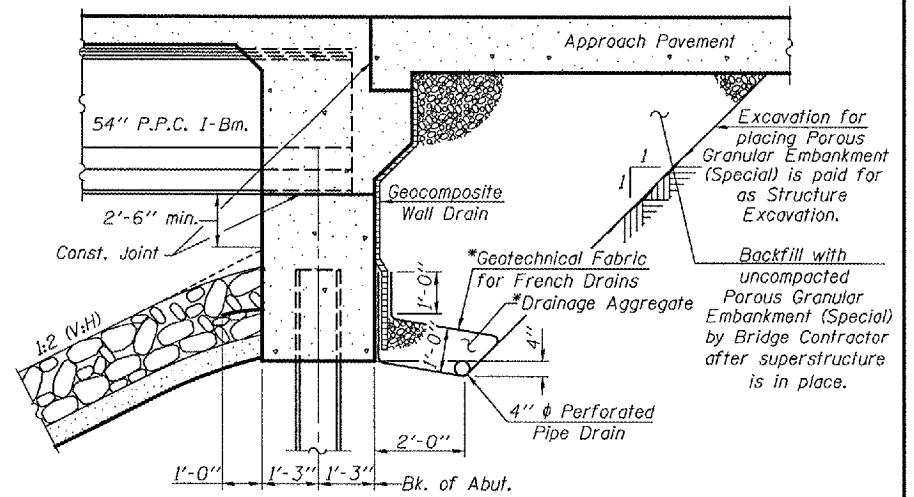


STATION 244+07.00
BUILT 200 BY
STATE OF ILLINOIS
F.A.P. RTE. 721 - SEC. (113BR)BR
LOADING HS20-44
STR. NO. 020-0062

NAME PLATE
See Std. 515001

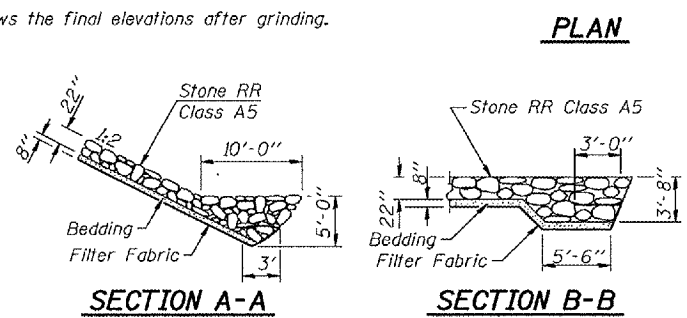
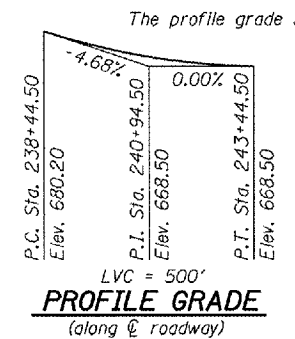
*Included in the cost of Pipe Underdrains for Structures.

Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 60110).



SECTION THRU INTEGRAL ABUTMENT
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Concrete Superstructure	Cu. Yd.	242		242
Concrete Structures	Cu. Yd.		104	104
Structure Excavation	Cu. Yd.		282	282
Furnishing and Erecting Precast Prestressed Concrete I Beams, 54"	Foot	1119		1119
Reinforcement Bars, Epoxy Coated	Pound	50760	11690	62450
Test Pile Steel HP12x63	Each		3	3
Furnishing Steel Piles HP12x63	Foot		741	741
Driving Piles	Foot		741	741
Name Plates	Each			1
Porous Granular Embankment (Special)	Cu. Yd.		266	266
Stone Riprap, Class A5	Sq. Yd.		1475	1475
Filter Fabric	Sq. Yd.		1475	1475
Protective Coat	Sq. Yd.	826		826
Diamond Grinding (Bridge Section)	Sq. Yd.	809		809
Drainage Scuppers, DS-II	Each	2		2
Floor Drains	Each	22		22
Underwater Structure Excavation Protection-Location 1	Each			1
Geocomposite Wall Drain	Sq. Yd.		110	110
Pipe Underdrains for Structures 4"	Foot		163	163
Bar Splacers	Each	64		64
Bridge Deck Grooving	Sq. Yd.	627		627
Concrete Encasement	Cu. Yd.		7.0	7.0
Asbestos Bearing Pad Removal	Each			168



WATERWAY INFORMATION

Flood	Freq. Yr.	Opening Sq. Ft.		Not. H.W.E.	Head - Ft.		Headwater El.		
		Exist.	Prop.		Exist.	Prop.	Exist.	Prop.	
Design	50	10385	2503	1812	660.9	0.3	0.8	661.2	661.7
Base	100	11816	2701	1917	661.6	0.4	1.0	662.0	662.6
Max. Calc.	500	15201	3104	2168	663.0	0.4	1.4	663.4	664.4

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES

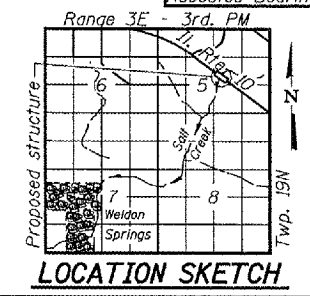
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f_c = 6,000 psi
f_d = 5,000 psi
f_s = 270,000 psi (1/2" low lax. strands)
f_{si} = 201,960 psi (1/2" low lax. strands)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 4.62g
Site Coefficient (S) = 1.0



GENERAL PLAN
ILLINOIS ROUTE 10 OVER
SALT CREEK
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

DESIGNED: [Signature]
CHECKED: [Signature]
DRAWN: R. Sommer
CHECKED: [Signature]

EXAMINED: [Signature] Sept. 7 2007
PASSED: [Signature]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
081-004625

EXPIRES 11-30-2008 10 Yr. Velocity through Exist. Bridge = 3.5 fps 10 Yr. Velocity through Prop. Bridge = 4.8 fps

Bench Mark: BM#4676-2; 21.25' LT. @ Station 242+93.20, Elev. = 667.685

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET	SHEET NO. 1
F.A.P. 721	(113BR) BR	DEWITT	81	26	18 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

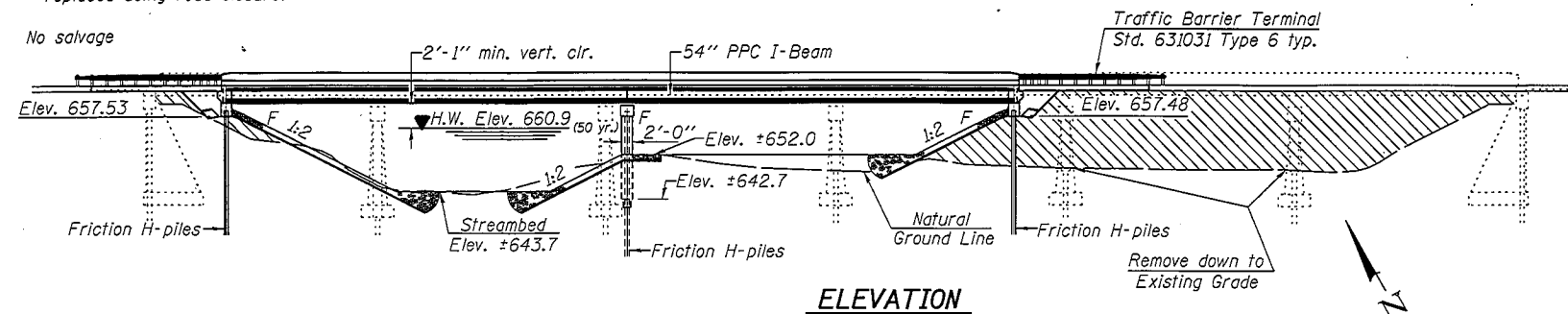
Contract #70232

GENERAL NOTES

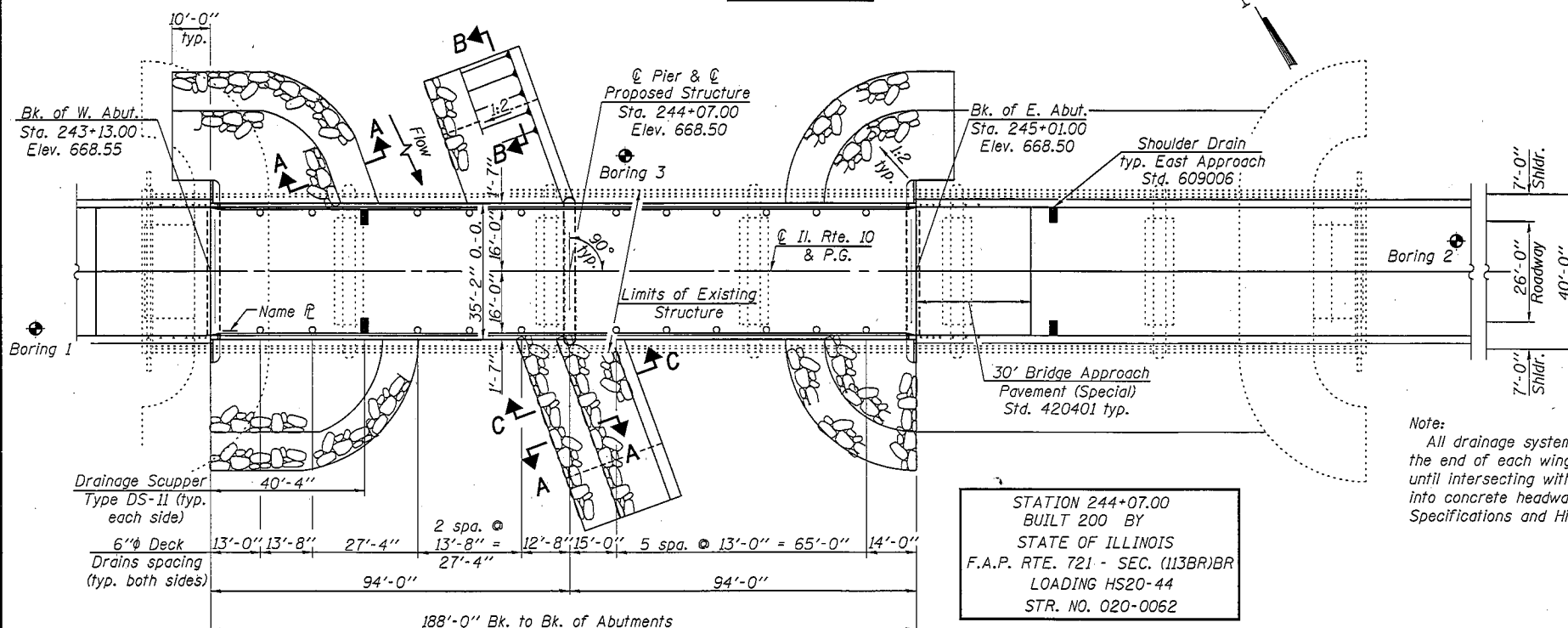
Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60 (II, Modified). See Special Provisions.
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
Up to 1/4 inch will be ground off the bridge slab and bridge approach pavement.
Reinforcement bars designated (E) shall be epoxy coated.
The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

INDEX OF SHEETS

1. General Plan & Details
- 2.3. Top of Slab Elevations
4. Top of West Approach Slab Elevations
5. Top of East Approach Slab Elevations
6. Superstructure
7. Superstructure Details
8. Drainage Scupper
9. Diaphragm Details
10. Framing Plan
- 11.&12. Beam Details
13. West Abutment
14. East Abutment
15. Pier
16. Pile Details
17. Bar Splicers
18. Boring Logs



ELEVATION

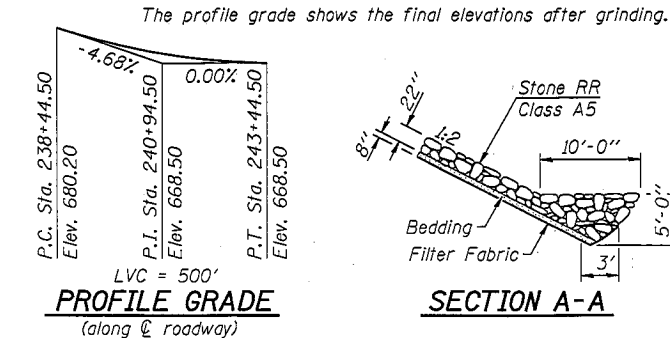


PLAN

STATION 244+07.00
BUILT 200 BY
STATE OF ILLINOIS
F.A.P. RTE. 721 - SEC. (113BR)BR
LOADING HS20-44
STR. NO. 020-0062

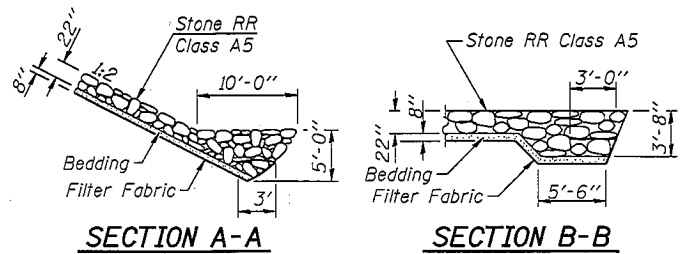
NAME PLATE

See Std. 515001



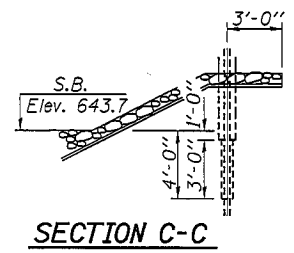
PROFILE GRADE

(along @ roadway)



SECTION A-A

SECTION B-B



SECTION C-C

WATERWAY INFORMATION

Exist. Low Grade Elev. 667.7 ft. @ Sta. 244+00
Prop. Low Grade Elev. 667.8 ft. @ Sta. 249+00

Drainage Area = 294 mi. ²											
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Prop.	Nat. H.W.E. Exist.	Prop.	Head - Ft. Exist.	Prop.	Exist.	Prop.	Headwater El.
Design	10	6964	2001	1489	659.1	0.3	0.5	659.4	659.6		
Base	50	10385	2503	1812	660.9	0.3	0.8	661.2	661.7		
Max. Calc.	100	11816	2701	1917	661.6	0.4	1.0	662.0	662.6		
	500	15201	3104	2168	663.0	0.4	1.4	663.4	664.4		

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES

FIELD UNITS

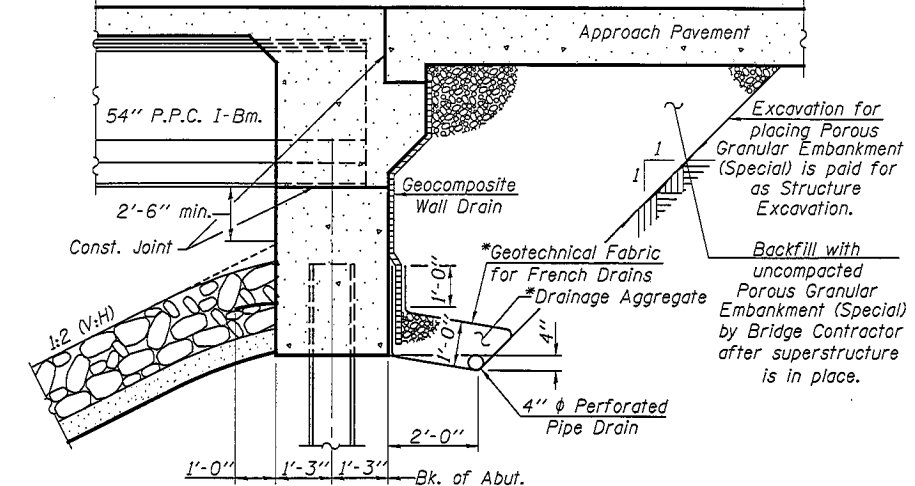
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)

PRECAST PRESTRESSED UNITS

f_c = 6,000 psi
f_{ci} = 5,000 psi
f_s = 270,000 psi (1/2" φ low lax. strands)
f_{si} = 201,960 psi (1/2" φ low lax. strands)

SEISMIC DATA

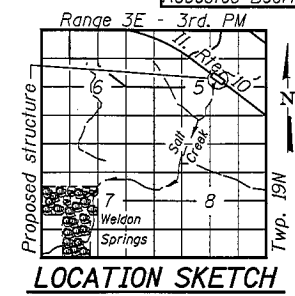
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 4.6%
Site Coefficient (S) = 1.0



SECTION THRU INTEGRAL ABUTMENT

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each			1
Concrete Superstructure	Cu. Yd.	242		242
Concrete Structures	Cu. Yd.		104	104
Structure Excavation	Cu. Yd.		282	282
Furnishing and Erecting Precast Prestressed Concrete I Beams, 54"	Foot	1119		1119
Reinforcement Bars, Epoxy Coated	Pound	50760	11690	62450
Test Pile Steel HP12x63	Each	3		3
Furnishing Steel Piles HP12x63	Foot	741		741
Driving Piles	Foot	741		741
Name Plates	Each			1
Porous Granular Embankment (Special)	Cu. Yd.		266	266
Stone Riprap, Class A5	Sq. Yd.		1475	1475
Filter Fabric	Sq. Yd.		1475	1475
Protective Coat	Sq. Yd.	826		826
Diamond Grinding (Bridge Section)	Sq. Yd.	809		809
Drainage Scuppers, DS-11	Each	2		2
Floor Drains	Each	22		22
Underwater Structure Excavation Protection-Location 1	Each			1
Geocomposite Wall Drain	Sq. Yd.		110	110
Pipe Underdrains for Structures 4"	Foot		163	163
Bar Splicers	Each	64		64
Bridge Deck Grooving	Sq. Yd.	627		627
Concrete Encasement	Cu. Yd.		7.0	7.0
Asbestos Bearing Pad Removal	Each			168



LOCATION SKETCH

GENERAL PLAN
ILLINOIS ROUTE 10 OVER
SALT CREEK
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

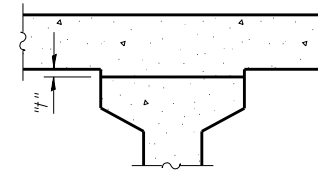
DESIGNED: [Signature]
CHECKED: [Signature]
DRAWN: R. Sommer
CHECKED: [Signature]

EXAMINED: [Signature] Sept. 7 2007
PASSED: [Signature]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
081-004625

EXPIRES 11-30-2008 10 Yr. Velocity through Exist. Bridge = 3.5 fps 10 Yr. Velocity through Prop. Bridge = 4.8 fps

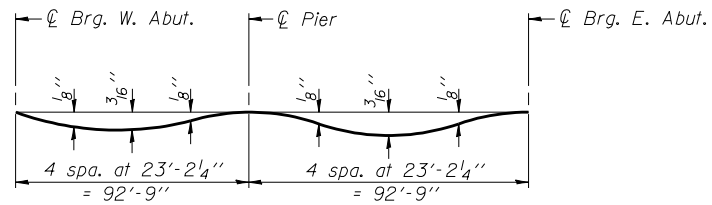
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	27
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 2
18 SHEETS

Contract #70232



DEAD LOAD DEFLECTION DIAGRAM

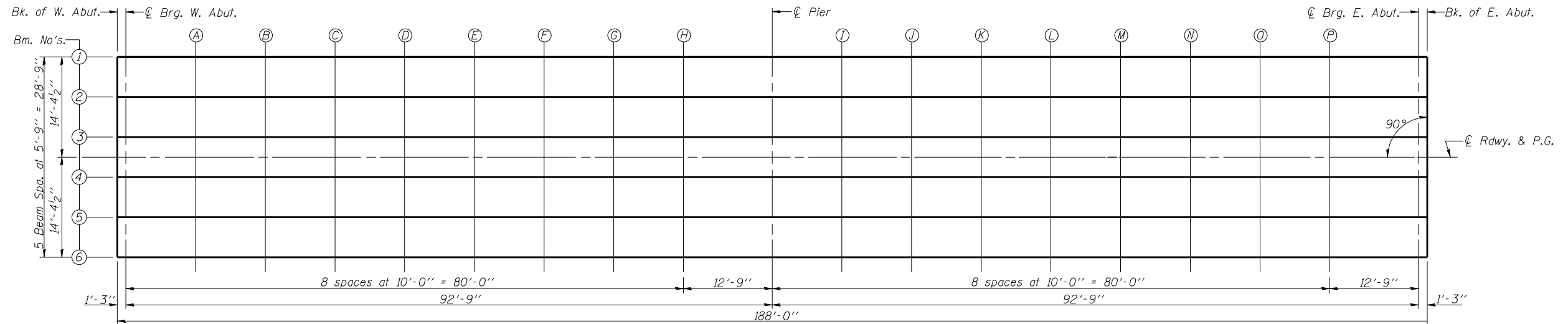
(Includes weight of concrete only.)

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections and grinding as shown on sheet 3 of 18.

To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections and grinding" shown on sheet 3 of 18, minus the *7 3/4" deck thickness, equals the fillet heights "t" above top flanges of beams. The slab is to be ground after curing to achieve smoothness, but the slab is not to be ground to elevations below the "Theoretical Grade Elevations" shown on sheet 3 of 18. For grinding the deck, See Special Provisions.

FILLET HEIGHTS

*Prior to Grinding



PLAN

DESIGNED Phillip R. Litchfield
CHECKED Nick R. Barnett
DRAWN R. Sommer
CHECKED P.R.L./N.R.B.

September 6, 2007
EXAMINED Thomas J. Domagala ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson ENGINEER OF BRIDGES AND STRUCTURES

TOP OF SLAB ELEVATIONS
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3 18 SHEETS
F.A.P. 721	(113BR) BR	DEWITT	81	28	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #70232

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
Bk. W. Abut.	24313.00	-14.38	668.31	668.33
CL W. Abut	24314.25	-14.38	668.31	668.33
A	24324.25	-14.38	668.28	668.31
B	24334.25	-14.38	668.27	668.30
C	24344.25	-14.38	668.26	668.30
D	24354.25	-14.38	668.26	668.30
E	24364.25	-14.38	668.26	668.30
F	24374.25	-14.38	668.26	668.30
G	24384.25	-14.38	668.26	668.29
H	24394.25	-14.38	668.26	668.29
CL Pier	24407.00	-14.38	668.26	668.28
I	24417.00	-14.38	668.26	668.29
J	24427.00	-14.38	668.26	668.29
K	24437.00	-14.38	668.26	668.30
L	24447.00	-14.38	668.26	668.30
M	24457.00	-14.38	668.26	668.30
N	24467.00	-14.38	668.26	668.30
O	24477.00	-14.38	668.26	668.29
P	24487.00	-14.38	668.26	668.29
CL E. Abut.	24499.75	-14.38	668.26	668.28
Bk. E. Abut.	24501.00	-14.38	668.26	668.28

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
Bk. W. Abut.	24313.00	-8.63	668.41	668.43
CL W. Abut	24314.25	-8.63	668.41	668.43
A	24324.25	-8.63	668.38	668.41
B	24334.25	-8.63	668.37	668.40
C	24344.25	-8.63	668.37	668.40
D	24354.25	-8.63	668.37	668.40
E	24364.25	-8.63	668.37	668.40
F	24374.25	-8.63	668.37	668.40
G	24384.25	-8.63	668.37	668.40
H	24394.25	-8.63	668.37	668.39
CL Pier	24407.00	-8.63	668.37	668.39
I	24417.00	-8.63	668.37	668.39
J	24427.00	-8.63	668.37	668.39
K	24437.00	-8.63	668.37	668.40
L	24447.00	-8.63	668.37	668.40
M	24457.00	-8.63	668.37	668.40
N	24467.00	-8.63	668.37	668.40
O	24477.00	-8.63	668.37	668.40
P	24487.00	-8.63	668.37	668.39
CL E. Abut.	24499.75	-8.63	668.37	668.39
Bk. E. Abut.	24501.00	-8.63	668.37	668.39

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
Bk. W. Abut.	24313.00	-2.88	668.50	668.52
CL W. Abut	24314.25	-2.88	668.50	668.52
A	24324.25	-2.88	668.47	668.50
B	24334.25	-2.88	668.46	668.49
C	24344.25	-2.88	668.46	668.49
D	24354.25	-2.88	668.46	668.49
E	24364.25	-2.88	668.46	668.49
F	24374.25	-2.88	668.46	668.49
G	24384.25	-2.88	668.46	668.49
H	24394.25	-2.88	668.46	668.48
CL Pier	24407.00	-2.88	668.46	668.48
I	24417.00	-2.88	668.46	668.48
J	24427.00	-2.88	668.46	668.48
K	24437.00	-2.88	668.46	668.49
L	24447.00	-2.88	668.46	668.49
M	24457.00	-2.88	668.46	668.49
N	24467.00	-2.88	668.46	668.49
O	24477.00	-2.88	668.46	668.49
P	24487.00	-2.88	668.46	668.48
CL E. Abut.	24499.75	-2.88	668.46	668.48
Bk. E. Abut.	24501.00	-2.88	668.46	668.48

RDWY. & P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
Bk. W. Abut.	24313.00	0.00	668.55	668.57
CL W. Abut	24314.25	0.00	668.54	668.56
A	24324.25	0.00	668.52	668.54
B	24334.25	0.00	668.51	668.53
C	24344.25	0.00	668.50	668.53
D	24354.25	0.00	668.50	668.53
E	24364.25	0.00	668.50	668.53
F	24374.25	0.00	668.50	668.53
G	24384.25	0.00	668.50	668.53
H	24394.25	0.00	668.50	668.53
CL Pier	24407.00	0.00	668.50	668.52
I	24417.00	0.00	668.50	668.52
J	24427.00	0.00	668.50	668.53
K	24437.00	0.00	668.50	668.53
L	24447.00	0.00	668.50	668.53
M	24457.00	0.00	668.50	668.53
N	24467.00	0.00	668.50	668.53
O	24477.00	0.00	668.50	668.53
P	24487.00	0.00	668.50	668.53
CL E. Abut.	24499.75	0.00	668.50	668.52
Bk. E. Abut.	24501.00	0.00	668.50	668.52

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
Bk. W. Abut.	24313.00	2.88	668.50	668.52
CL W. Abut	24314.25	2.88	668.50	668.52
A	24324.25	2.88	668.47	668.50
B	24334.25	2.88	668.46	668.49
C	24344.25	2.88	668.46	668.49
D	24354.25	2.88	668.46	668.49
E	24364.25	2.88	668.46	668.49
F	24374.25	2.88	668.46	668.49
G	24384.25	2.88	668.46	668.49
H	24394.25	2.88	668.46	668.48
CL Pier	24407.00	2.88	668.46	668.48
I	24417.00	2.88	668.46	668.48
J	24427.00	2.88	668.46	668.48
K	24437.00	2.88	668.46	668.49
L	24447.00	2.88	668.46	668.49
M	24457.00	2.88	668.46	668.49
N	24467.00	2.88	668.46	668.49
O	24477.00	2.88	668.46	668.49
P	24487.00	2.88	668.46	668.48
CL E. Abut.	24499.75	2.88	668.46	668.48
Bk. E. Abut.	24501.00	2.88	668.46	668.48

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
Bk. W. Abut.	24313.00	8.63	668.41	668.43
CL W. Abut	24314.25	8.63	668.41	668.43
A	24324.25	8.63	668.38	668.41
B	24334.25	8.63	668.37	668.40
C	24344.25	8.63	668.37	668.40
D	24354.25	8.63	668.37	668.40
E	24364.25	8.63	668.37	668.40
F	24374.25	8.63	668.37	668.40
G	24384.25	8.63	668.37	668.40
H	24394.25	8.63	668.37	668.39
CL Pier	24407.00	8.63	668.37	668.39
I	24417.00	8.63	668.37	668.39
J	24427.00	8.63	668.37	668.39
K	24437.00	8.63	668.37	668.40
L	24447.00	8.63	668.37	668.40
M	24457.00	8.63	668.37	668.40
N	24467.00	8.63	668.37	668.40
O	24477.00	8.63	668.37	668.40
P	24487.00	8.63	668.37	668.39
CL E. Abut.	24499.75	8.63	668.37	668.39
Bk. E. Abut.	24501.00	8.63	668.37	668.39

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection & Grinding
Bk. W. Abut.	24313.00	14.38	668.31	668.33
CL W. Abut	24314.25	14.38	668.31	668.33
A	24324.25	14.38	668.28	668.31
B	24334.25	14.38	668.27	668.30
C	24344.25	14.38	668.26	668.30
D	24354.25	14.38	668.26	668.30
E	24364.25	14.38	668.26	668.30
F	24374.25	14.38	668.26	668.30
G	24384.25	14.38	668.26	668.29
H	24394.25	14.38	668.26	668.29
CL Pier	24407.00	14.38	668.26	668.28
I	24417.00	14.38	668.26	668.29
J	24427.00	14.38	668.26	668.29
K	24437.00	14.38	668.26	668.30
L	24447.00	14.38	668.26	668.30
M	24457.00	14.38	668.26	668.30
N	24467.00	14.38	668.26	668.30
O	24477.00	14.38	668.26	668.29
P	24487.00	14.38	668.26	668.29
CL E. Abut.	24499.75	14.38	668.26	668.28
Bk. E. Abut.	24501.00	14.38	668.26	668.28

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

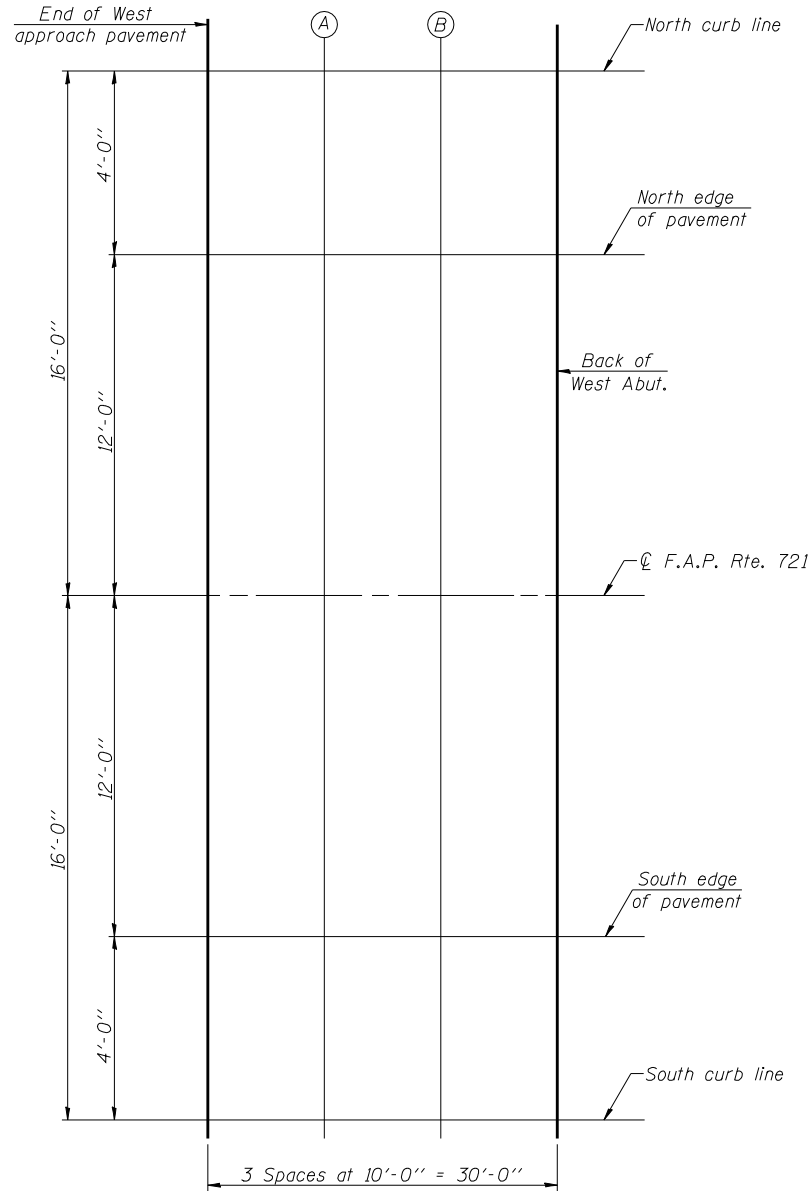
September 6, 2007	
EXAMINED	Thomas J. Domagalicki
PASSED	Ralph E. Anderson

TOP OF SLAB ELEVATIONS
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.P. 721	SECTION (113BR) BR	COUNTY DEWITT	TOTAL SHEETS 81	SHEET NO. 29	SHEET NO. 4 18 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract #70232



PLAN

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
End W. Appr. Pav't.	24283.00	-16.00	668.41	668.43
A	24293.00	-16.00	668.35	668.37
B	24303.00	-16.00	668.31	668.33
Bk. W. Abut.	24313.00	-16.00	668.28	668.30

NORTH EDGE of PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
End W. Appr. Pav't.	24283.00	-12.00	668.49	668.51
A	24293.00	-12.00	668.44	668.46
B	24303.00	-12.00	668.39	668.41
Bk. W. Abut.	24312.00	-12.00	668.36	668.38

☉ F.A.P. RTE. 721

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
End W. Appr. Pav't.	24283.00	0.00	668.68	668.70
A	24293.00	0.00	668.62	668.64
B	24303.00	0.00	668.58	668.60
Bk. W. Abut.	24313.00	0.00	668.55	668.57

SOUTH EDGE of PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
End W. Appr. Pav't.	24283.00	12.00	668.49	668.51
A	24293.00	12.00	668.44	668.46
B	24303.00	12.00	668.39	668.41
Bk. W. Abut.	24313.00	12.00	668.36	668.38

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
End W. Appr. Pav't.	24283.00	16.00	668.41	668.43
A	24293.00	16.00	668.35	668.37
B	24303.00	16.00	668.31	668.33
Bk. W. Abut.	24313.00	16.00	668.28	668.30

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

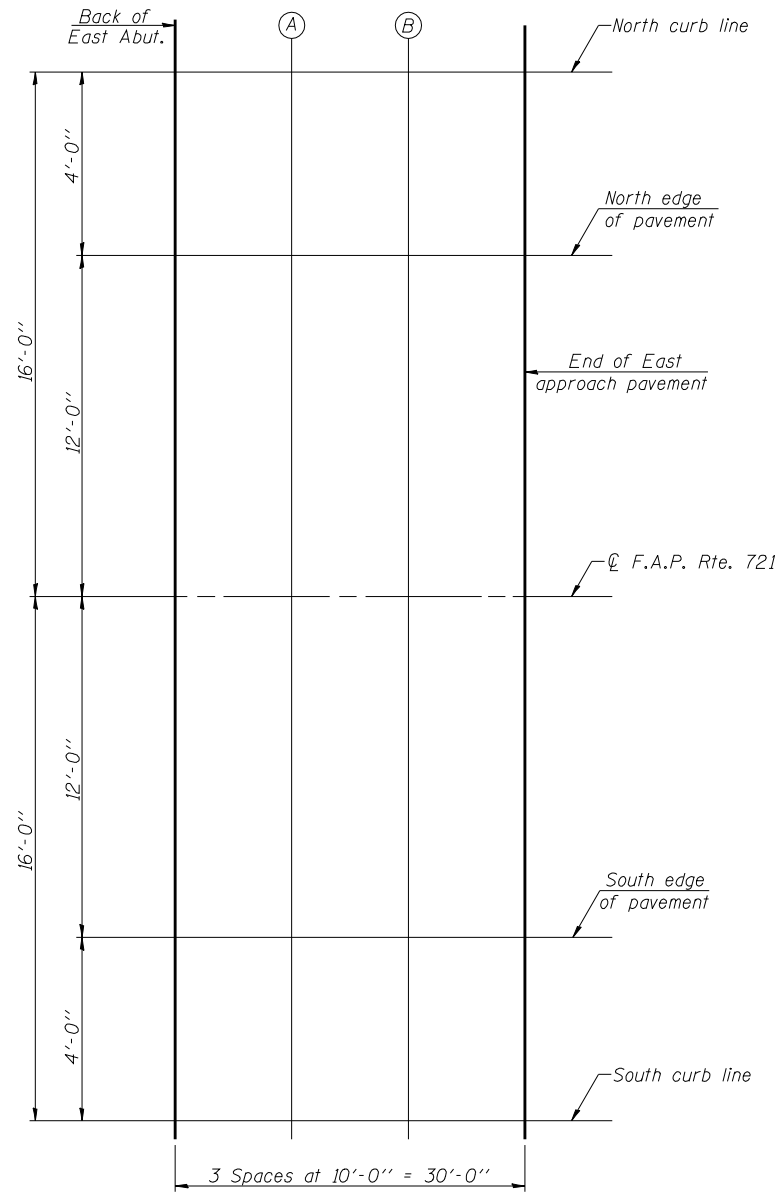
EXAMINED	September 6, 2007	Thomas J. Domagalicki
PASSED		Ralph E. Anderson

TOP OF WEST APPROACH SLAB ELEVATIONS
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.P. 721	SECTION (113BR) BR	COUNTY DEWITT	TOTAL SHEETS 81	SHEET NO. 30	SHEET NO. 5 18 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #70232



PLAN

NORTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
Bk. E. Abut.	24501.00	-16.00	668.23	668.25
A	24511.00	-16.00	668.23	668.25
B	24521.00	-16.00	668.23	668.25
End E. Appr. Pav't.	24531.00	-16.00	668.23	668.25

NORTH PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
Bk. E. Abut.	24501.00	-12.00	668.31	668.33
A	24511.00	-12.00	668.31	668.33
B	24521.00	-12.00	668.31	668.33
End E. Appr. Pav't.	24531.00	-12.00	668.31	668.33

☉ F.A.P RTE. 721

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
Bk. E. Abut.	24501.00	0.00	668.50	668.52
A	24511.00	0.00	668.50	668.52
B	24521.00	0.00	668.50	668.52
End E. Appr. Pav't.	24531.00	0.00	668.50	668.52

SOUTH PROFILE GRADE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
Bk. E. Abut.	24501.00	12.00	668.31	668.33
A	24511.00	12.00	668.31	668.33
B	24521.00	12.00	668.31	668.33
End E. Appr. Pav't.	24531.00	12.00	668.31	668.33

SOUTH CURB LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
Bk. E. Abut.	24501.00	16.00	668.23	668.25
A	24511.00	16.00	668.23	668.25
B	24521.00	16.00	668.23	668.25
End E. Appr. Pav't.	24531.00	16.00	668.23	668.25

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

September 6, 2007
 EXAMINED *Thomas J. Domagalicki*
 ENGINEER OF BRIDGE DESIGN
 PASSED *Ralph E. Anderson*
 ENGINEER OF BRIDGES AND STRUCTURES

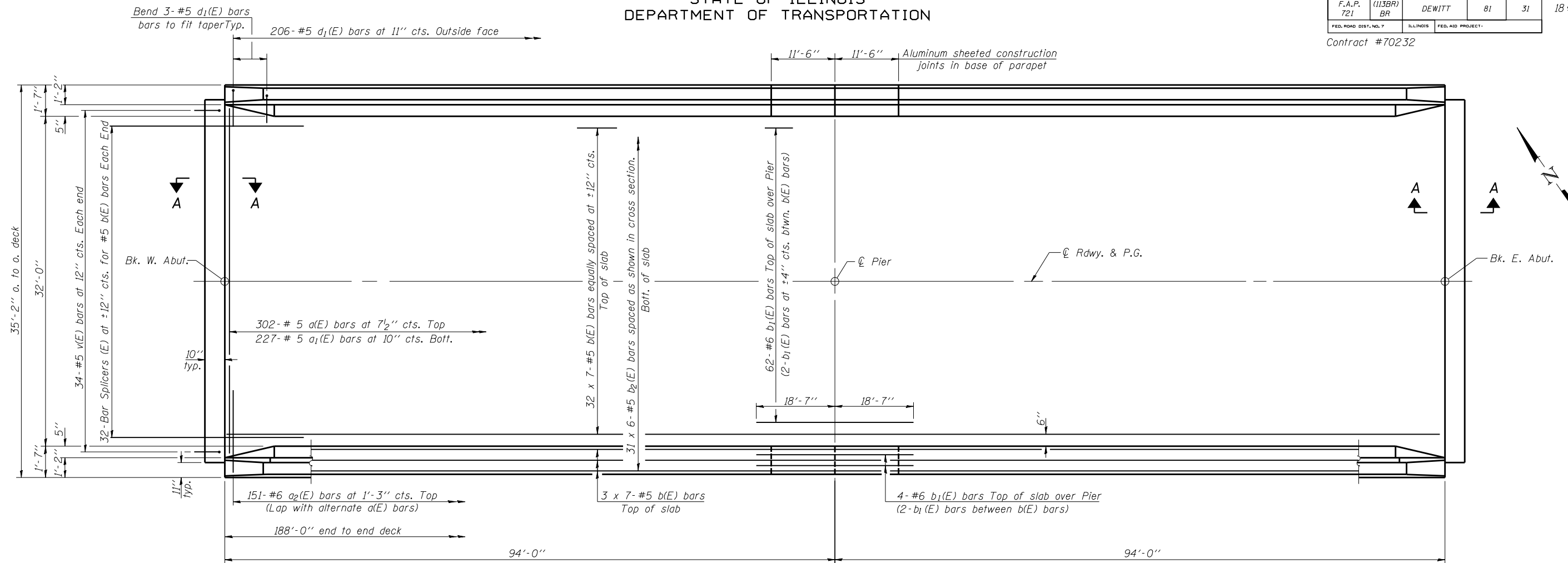
TOP OF EAST APPROACH SLAB ELEVATIONS
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.P. 721	SECTION (113BR) BR	COUNTY DEWITT	TOTAL SHEETS 81	SHEET NO. 31
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

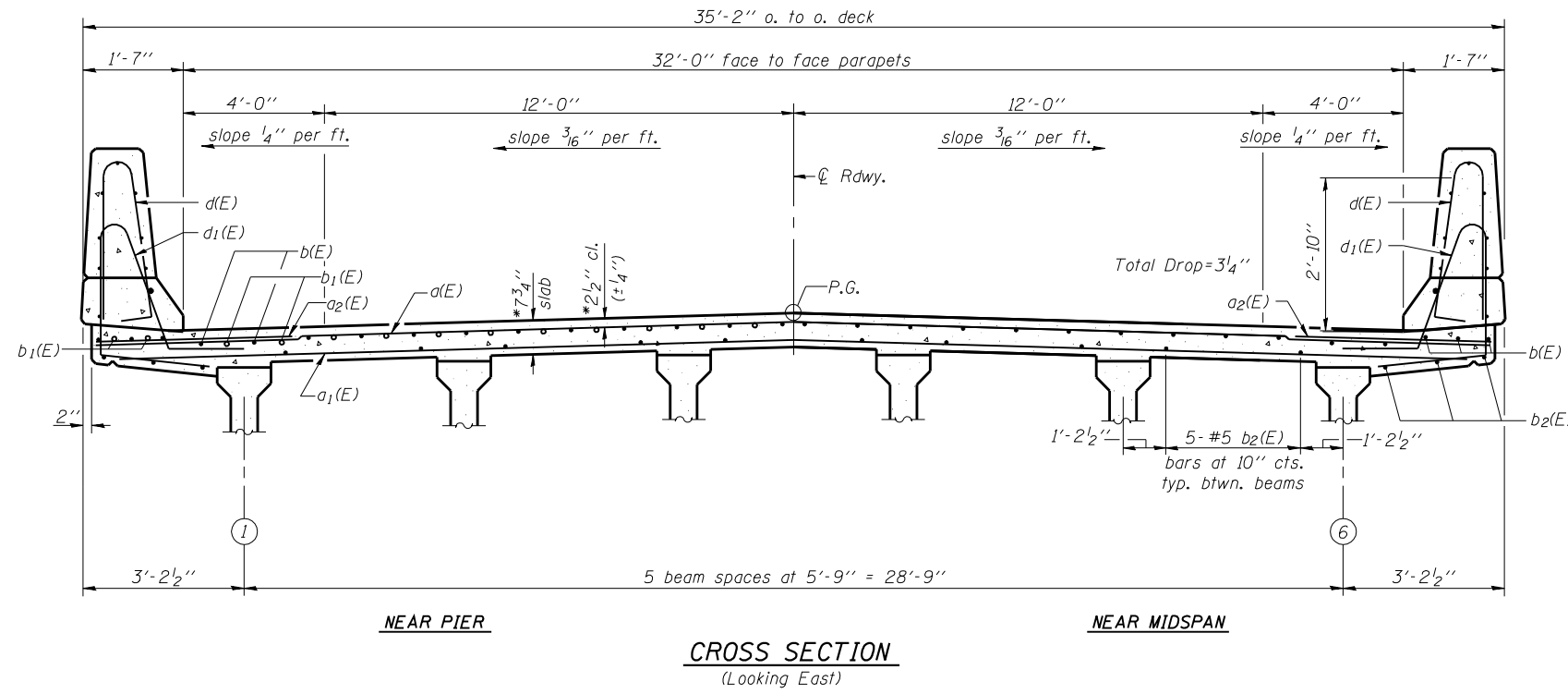
SHEET NO. 6
18 SHEETS

Contract #70232



PLAN

Notes:
See sheet 7 of 18 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See sheet 7 of 18 for parapet reinforcement.



*Prior to grinding.

MIN. BAR LAPS
#5 bar = 2'-2"

DESIGNED Phillip R. Litchfield
CHECKED Nick R. Barnett
DRAWN R. Sommer
CHECKED P.R.L./N.R.B.

September 6, 2007
EXAMINED Thomas J. Domagala
PASSED Ralph E. Anderson

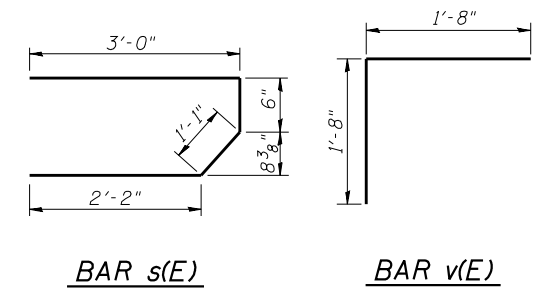
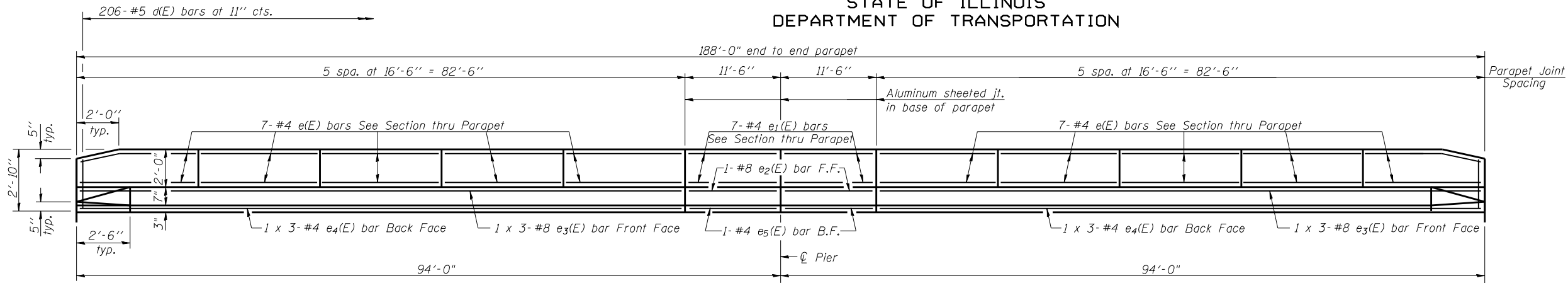
CROSS SECTION
(Looking East)

SUPERSTRUCTURE
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

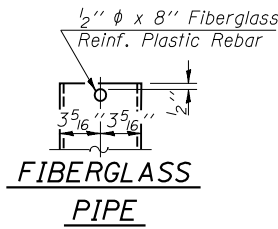
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7 18 SHEETS
F.A.P. 721	(113BR) BR	DEWITT	81	32	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #70232



MIN. BAR LAPS

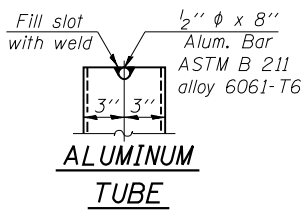
(Parapet)
#4 bars = 1'-4"
#8 bars = 3'-5"



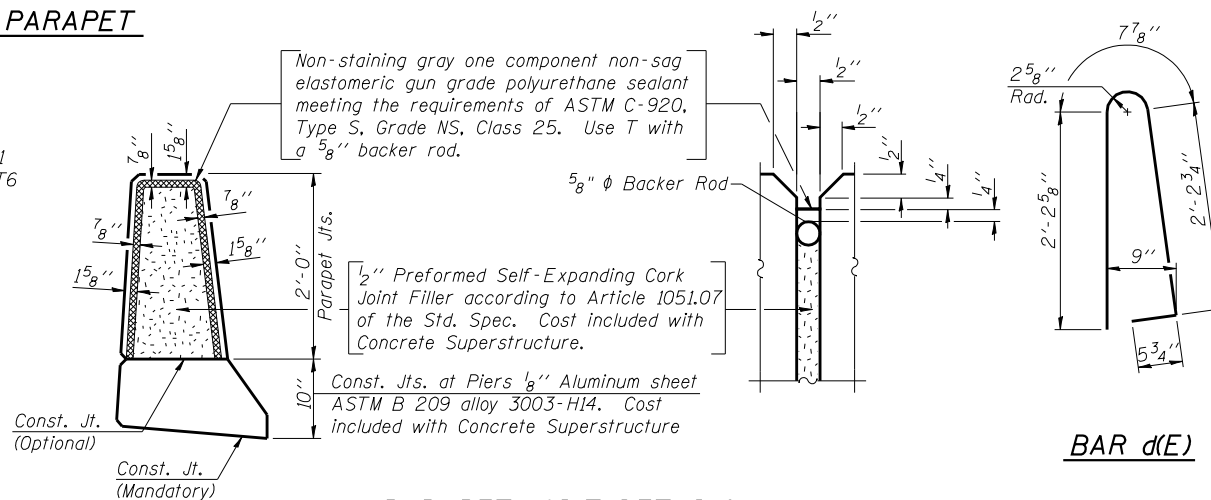
FIBERGLASS PIPE

INSIDE ELEVATION OF PARAPET

(Looking North)



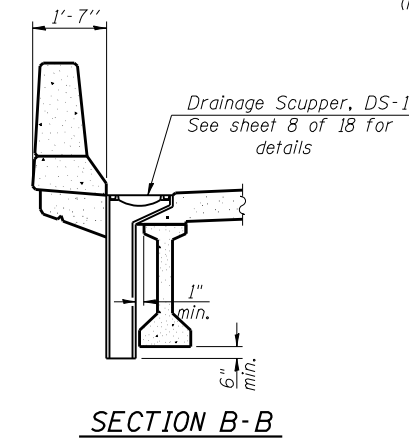
ALUMINUM TUBE



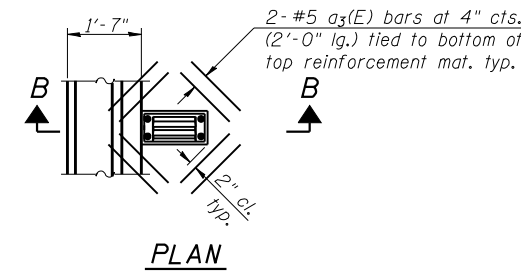
PARAPET JOINT DETAILS

Notes:
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
The exterior surfaces of the floor drains shall be coated or pigmented by the manufacturer with a color that matches the concrete.
The clamping device and inserts shall be galvanized according to AASHTO M 232.

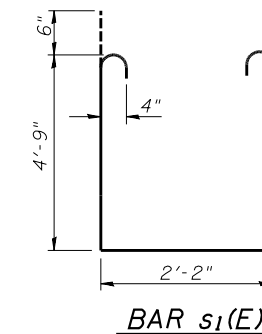
BAR d(E)



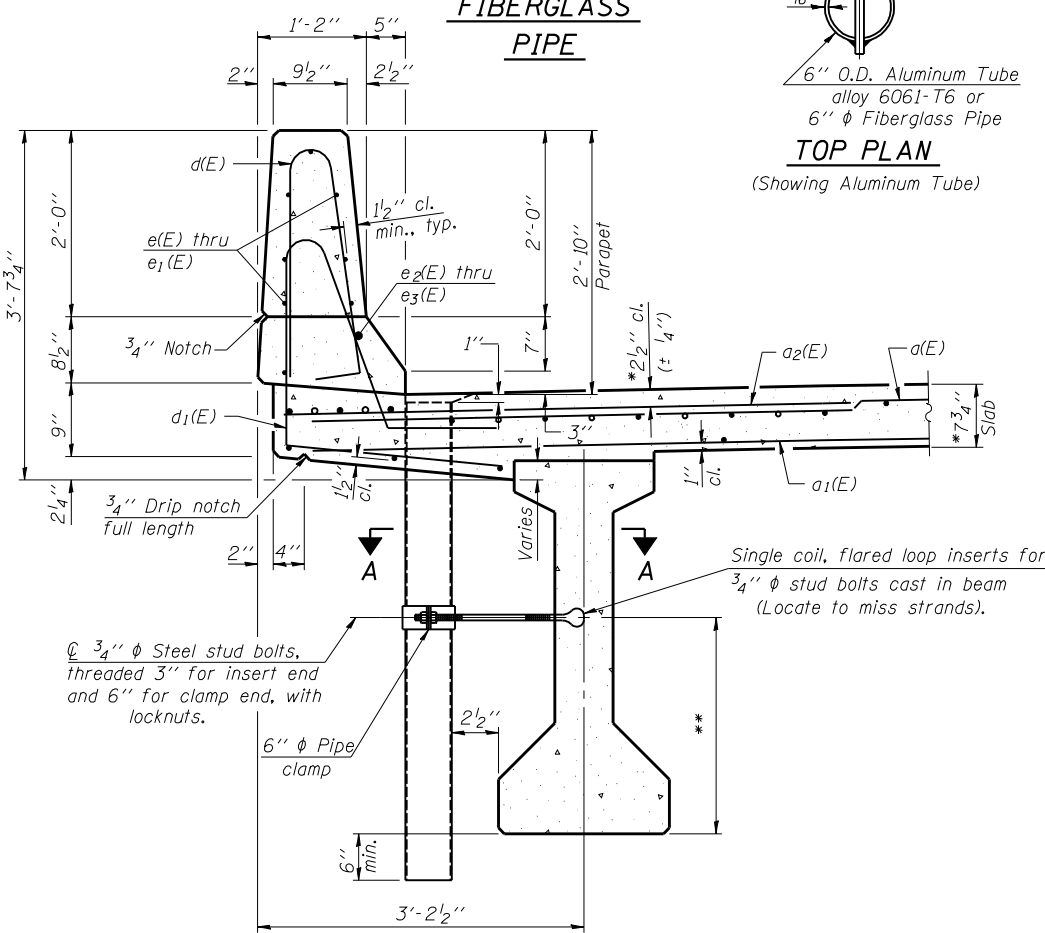
SECTION B-B



PLAN

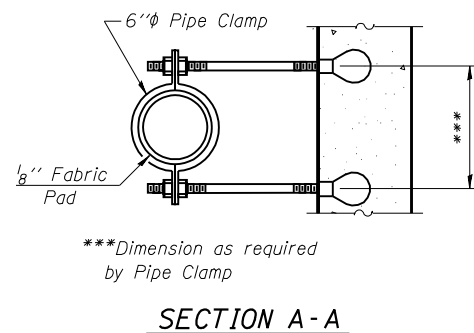


BAR s1(E)

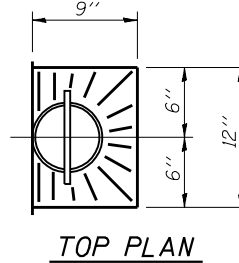


SECTION THRU PARAPET

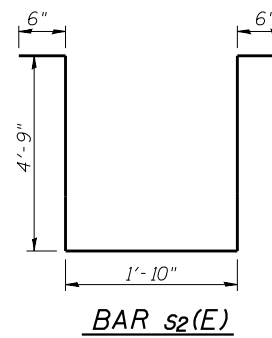
*Prior to grinding
**For insert locations See sht. 11 of 18.



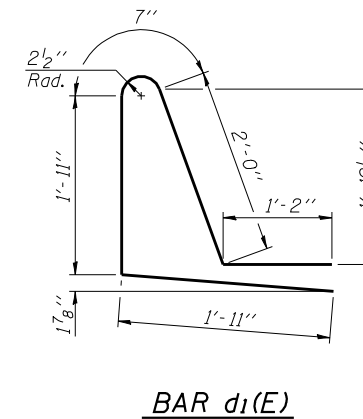
SECTION A-A



TOP PLAN



BAR s2(E)



BAR d1(E)

SUPERSTRUCTURE

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	302	#5	34'-6"	—
a1(E)	227	#5	32'-10"	—
a2(E)	302	#6	6'-0"	—
a3(E)	16	#5	2'-0"	—
b(E)	266	#5	28'-8"	—
b1(E)	70	#6	37'-2"	—
b2(E)	186	#5	33'-1"	—
d(E)	412	#5	5'-7"	—
d1(E)	412	#5	7'-7"	—
e(E)	140	#4	16'-3'	—
e1(E)	28	#4	11'-3"	—
e2(E)	4	#8	11'-3"	—
e3(E)	12	#8	29'-9"	—
e4(E)	12	#4	28'-4"	—
e5(E)	4	#4	11'-3"	—
m(E)	6	#6	34'-10"	—
m1(E)	4	#6	33'-0"	—
m2(E)	24	#6	8'-4"	—
m3(E)	20	#6	3'-7"	—
m4(E)	4	#6	1'-11"	—
m5(E)	6	#8	5'-10"	—
m6(E)	20	#4	4'-11"	—
s(E)	62	#5	6'-9'	—
s1(E)	52	#4	12'-8"	—
s2(E)	20	#4	12'-4"	—
v(E)	68	#5	3'-4'	—
Reinforcement Bars, Epoxy Coated		Pound	50760	
Concrete Superstructure		Cu. Yds.	242	

Bars indicated thus 1 x 2-#5 etc. indicates 1 line of bars with 2 lengths per line.

SUPERSTRUCTURE DETAILS

F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

EXAMINED	September 6, 2007	Thomas J. Domagala
PASSED		Ralph E. Anderson

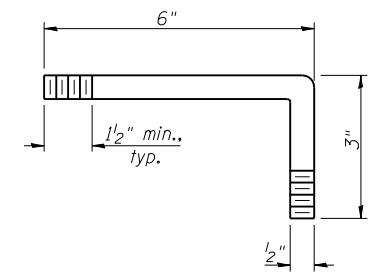
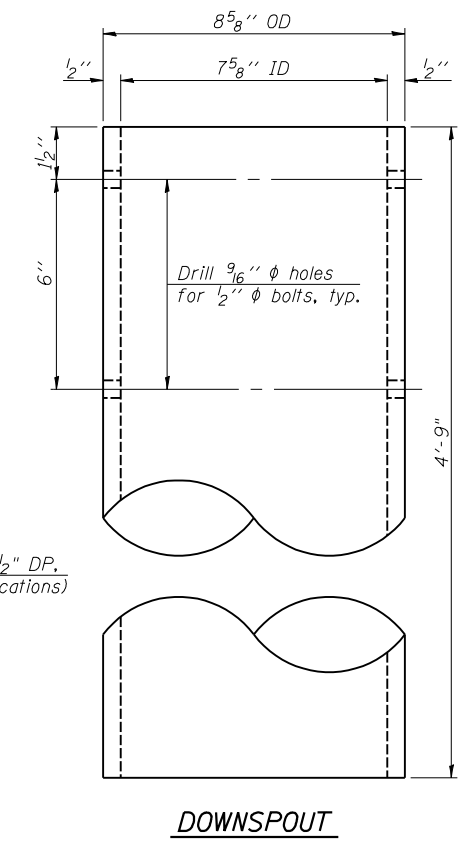
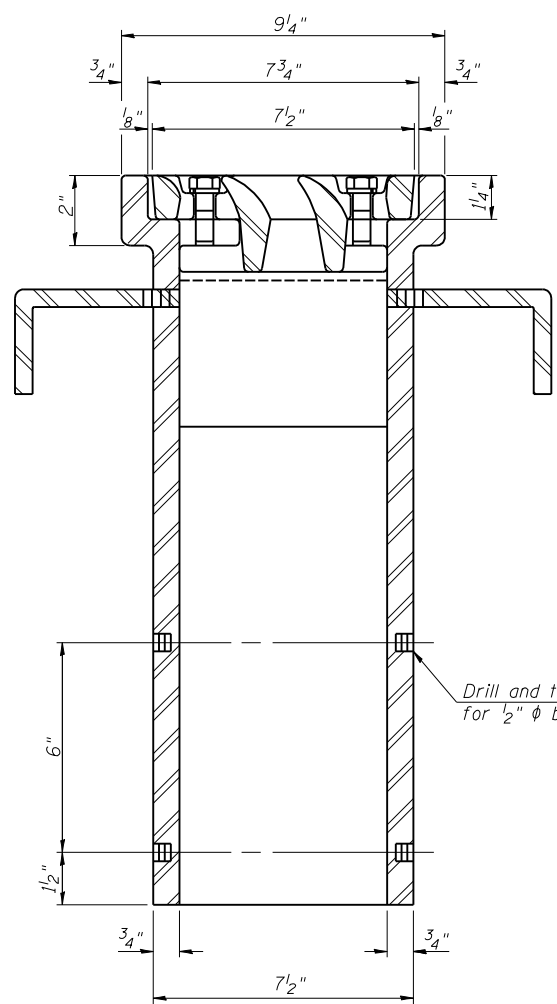
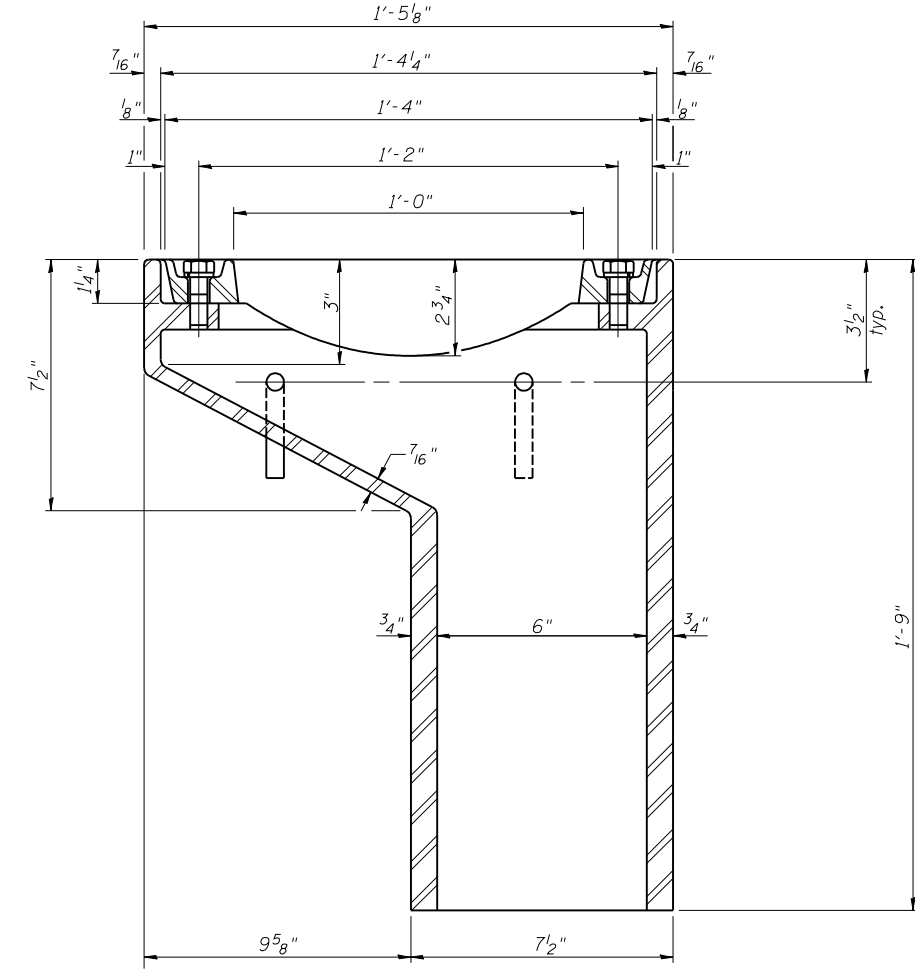
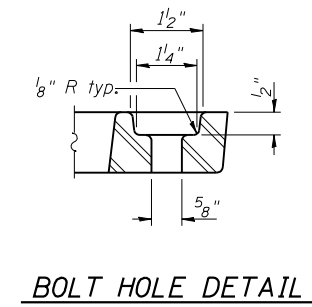
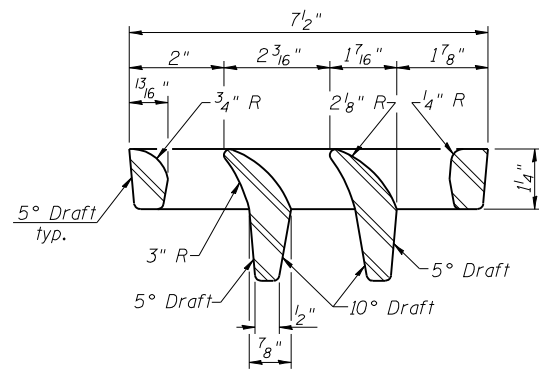
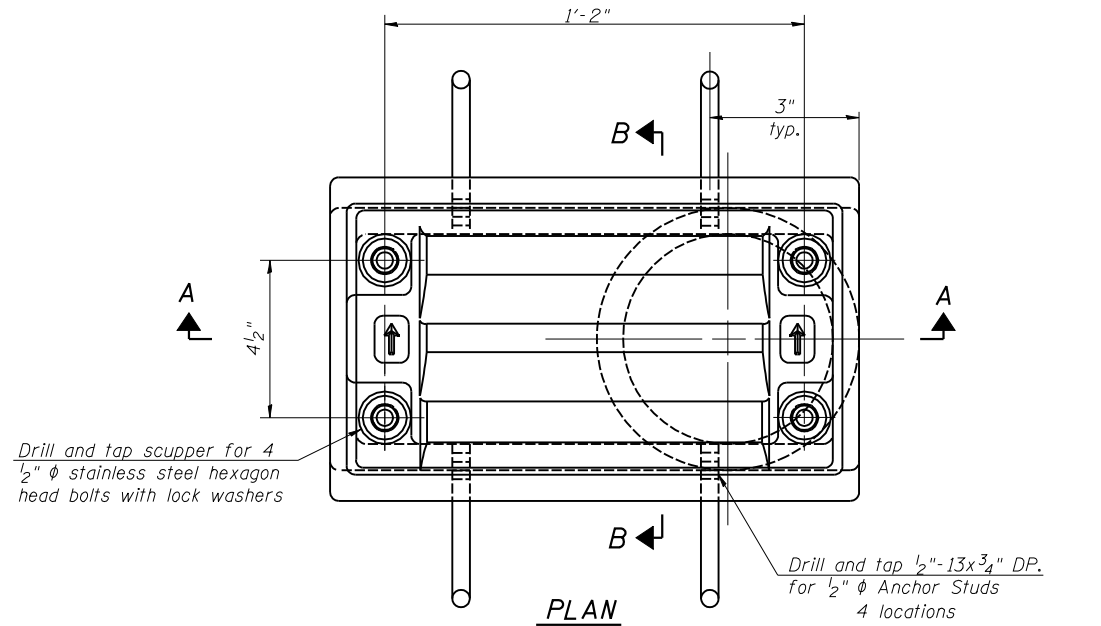
***Dimension as required by Pipe Clamp

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	33
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 8
18 SHEETS

Contract #70232



BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper, DS-11	Each	2

See sheet 7 of 18 for scupper location relative to parapet.

DESIGNED Phillip R. Litchfield
CHECKED Nick R. Barnett
DRAWN R. Sommer
CHECKED P.R.L./N.R.B.

September 6, 2007
EXAMINED Thomas J. Domagalaki
PASSED Ralph E. Anderson

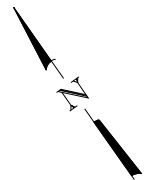
DS-11 11-1-06

DRAINAGE SCUPPER DS-11
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO. F.A.P. 721	SECTION (113BR) BR	COUNTY DEWITT	TOTAL SHEETS 81	SHEET NO. 35	SHEET NO. 10 18 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

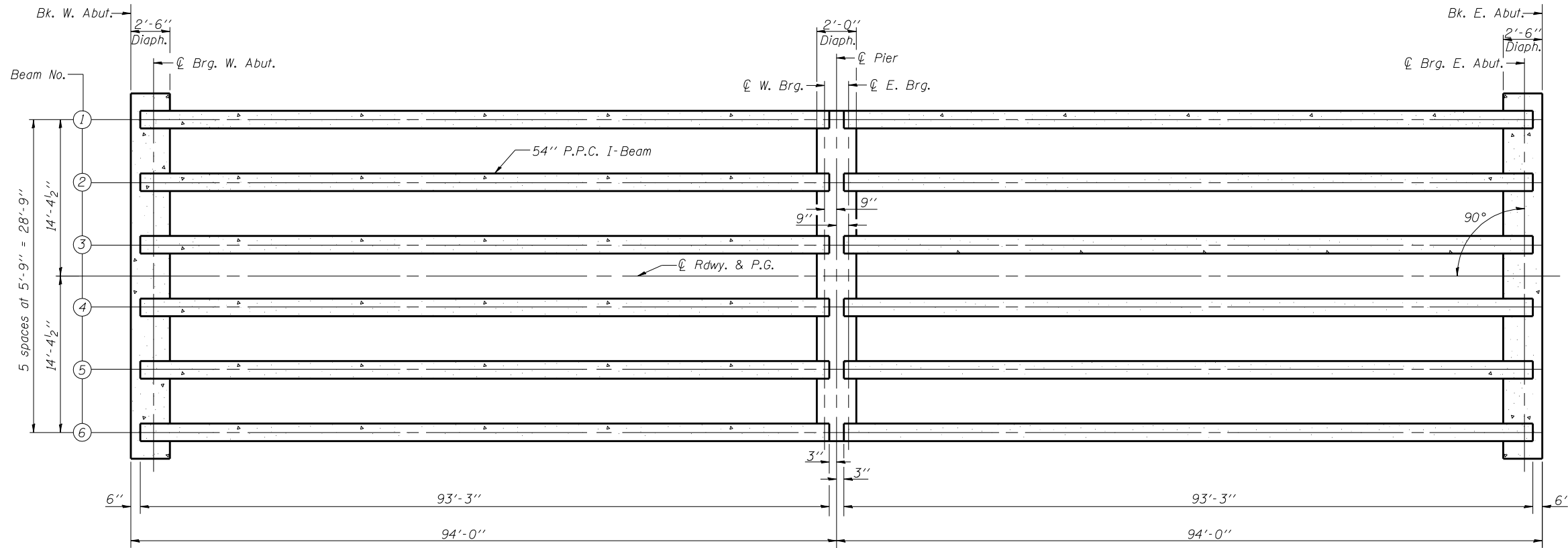
Contract #70232



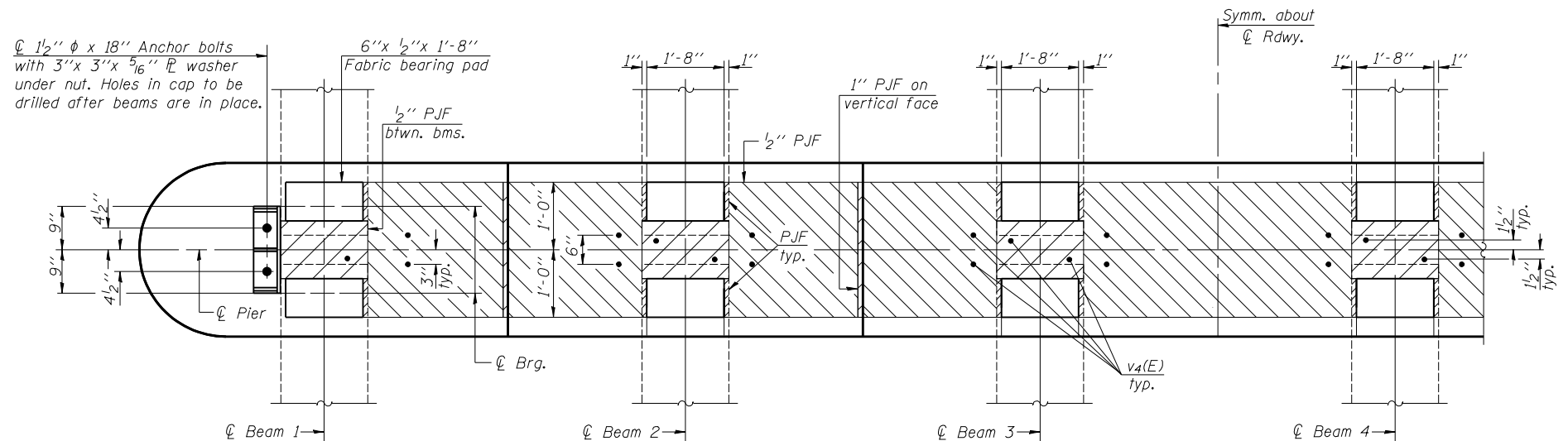
	0.4 Sp. 1	0.6 Sp. 2	Pier
<i>Strand Pattern</i>			
I	(in ⁴)	213715	---
I'	(in ⁴)	477988	---
S_b	(in ³)	8559	---
S_b'	(in ³)	12486	---
S_t	(in ³)	7362	---
S_t'	(in ³)	30377	---
\bar{Q}	(k/')	1.202	---
$M\bar{Q}$	(k)	1272	---
$s\bar{Q}$	(k/')	0.438	0.438
$Ms\bar{Q}$	(k)	264	471
$M\bar{L}$	(k)	588	527
$M(Imp)$	(k)	135	121

	Abuts.	Pier Spans 1 & 2
$R\bar{Q}$	(k)	55.7
$Rs\bar{Q}$	(k)	15.2
$R\bar{L}$	(k)	32.9
$Imp.$	(k)	7.6
$R(Total)$	(k)	111.4

I and I' are the moment of inertia and composite moment of inertia of the beam section.
 S_b and S_b' are the non-composite and composite section modulus for the bottom fiber of the prestressed beam.
 S_t and S_t' are the non-composite and composite section modulus for the top fiber of the prestressed beam.
 $M\bar{Q}$ is the moment due to dead loads on the non-composite prestressed beam. It is conservatively calculated at 0.5 of the span.
 $Ms\bar{Q}$ is the moment due to dead loads on the composite section.
 $M\bar{L}$ is the moment due to live load on the composite section.
 $M(Imp)$ is the moment due to live load impact on the composite section.



FRAMING PLAN



HALF PLAN AT PIER
(Showing fabric bearing pad and P.J.F. details)

DESIGNED Phillip R. Litchfield
 CHECKED Nick R. Barnett
 DRAWN R. Sommer
 CHECKED P.R.L./N.R.B.

September 6, 2007
 EXAMINED Thomas J. Domagalaki
 PASSED Ralph E. Anderson

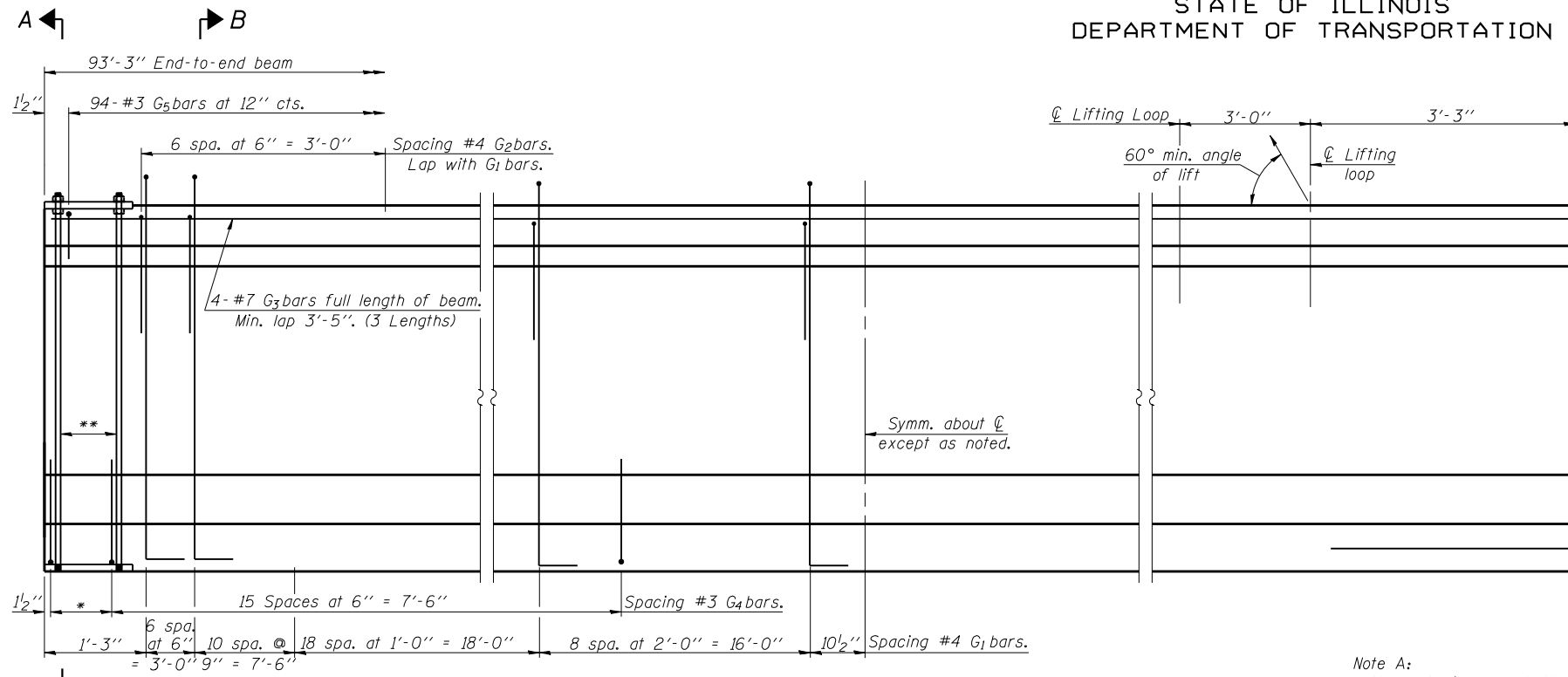
FRAMING PLAN
 F.A.P. ROUTE 721 - SECTION (113BR)BR
 DEWITT COUNTY
 STATION 244+07.00
 STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	36
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

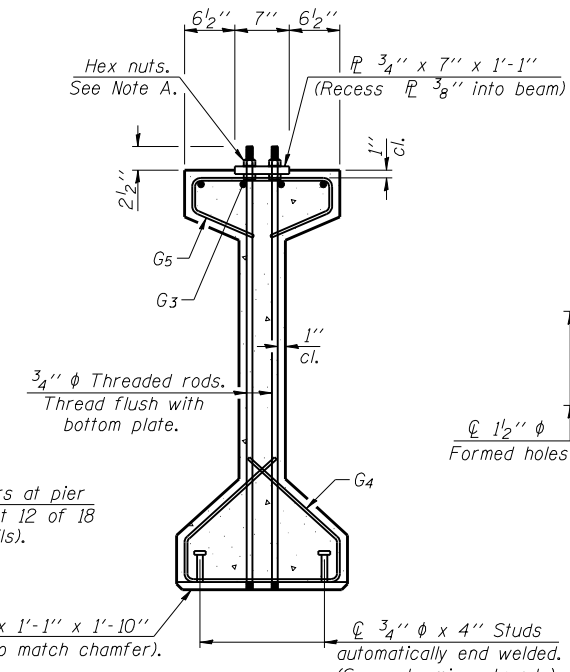
SHEET NO. 11
18 SHEETS

Contract #70232

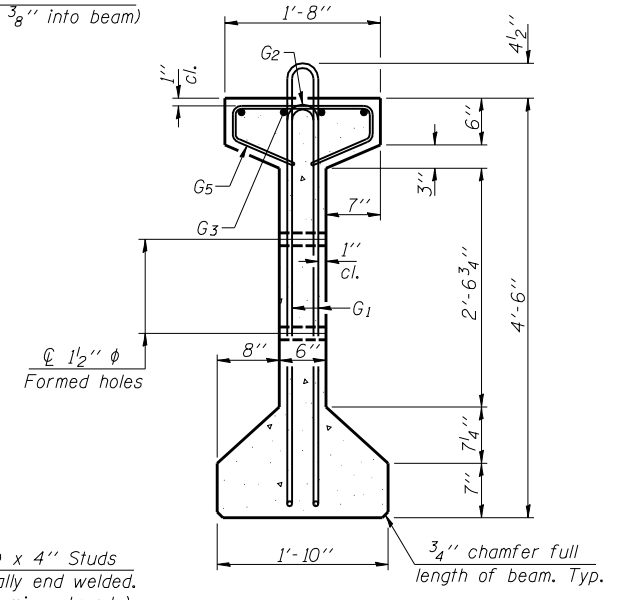


ELEVATION OF BEAM
(Showing reinforcement & dimensions)

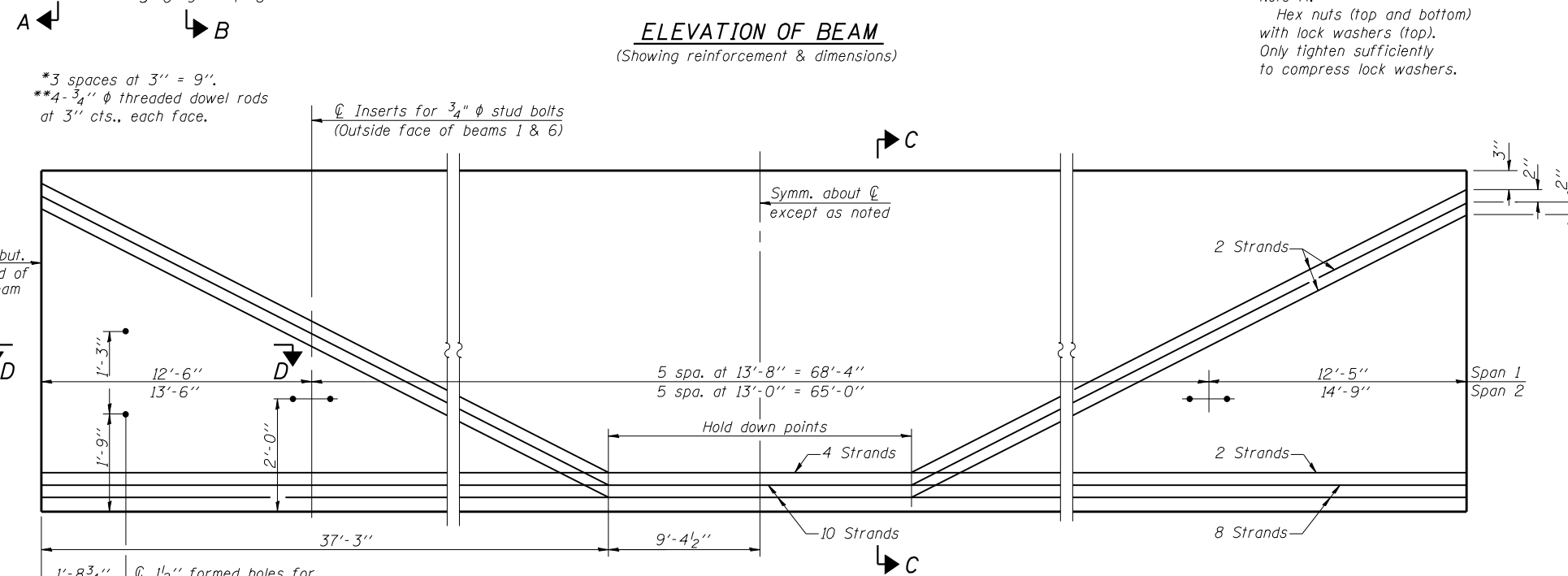
Note A:
Hex nuts (top and bottom) with lock washers (top). Only tighten sufficiently to compress lock washers.



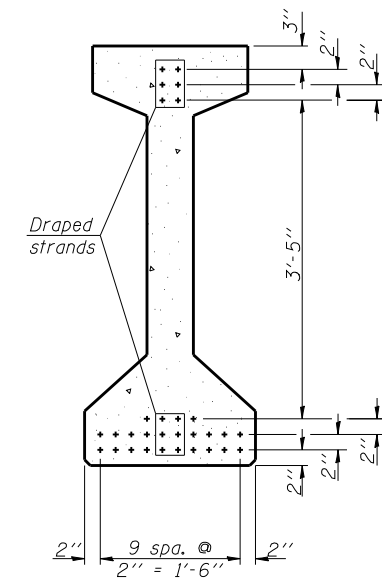
SECTION A-A



SECTION B-B



ELEVATION OF BEAM
(Showing prestressing steel)

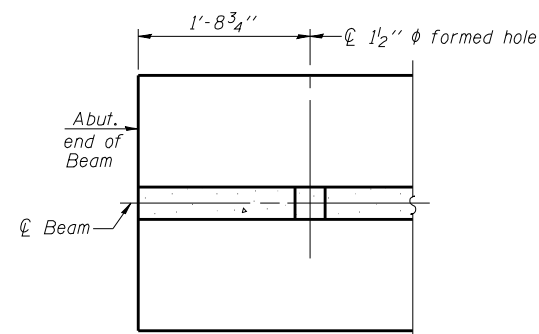


SECTION C-C

**BAR LIST
ONE BEAM ONLY**

Bar	No.	Size	Length	Shape
G1	86	#4	10'-5"	nl
G2	14	#4	5'-4"	n
G3	12	#7	33'-4"	
G4	38	#3	4'-11"	U
G5	94	#3	3'-5"	U
G6	2	#8	3'-9"	J

Notes:
See sheet 12 of 18 for additional details and Bill of Material.
Required release strength, $f'ci$, shall be 5000 psi.



SECTION D-D

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

September 6, 2007	
EXAMINED	Thomas J. Domagalicki
PASSED	Ralph E. Anderson

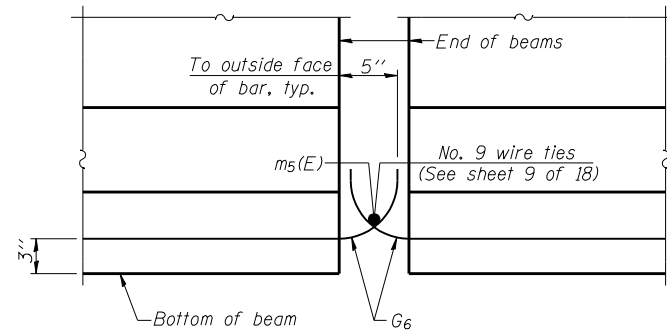
54" PPC I-BEAM
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

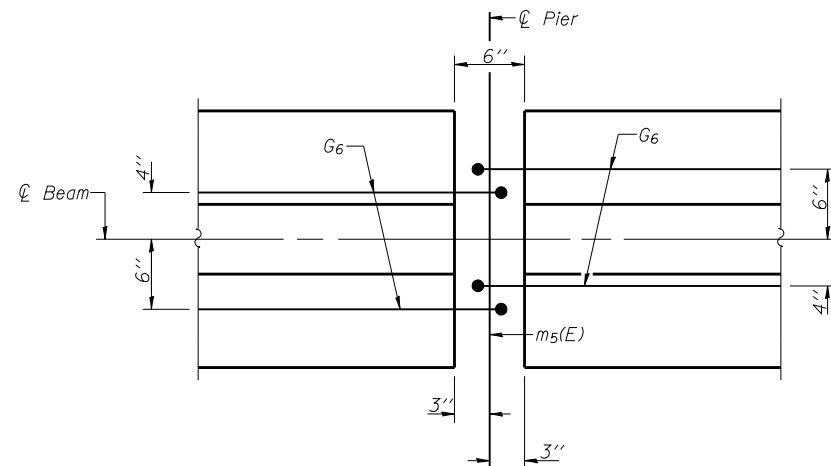
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	37
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 12
18 SHEETS

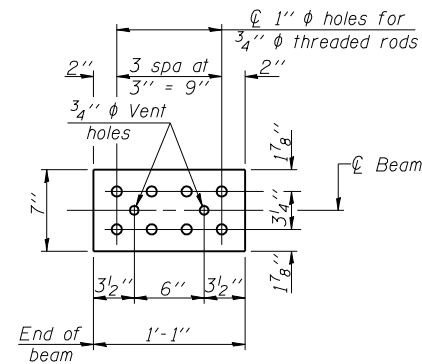
Contract #70232



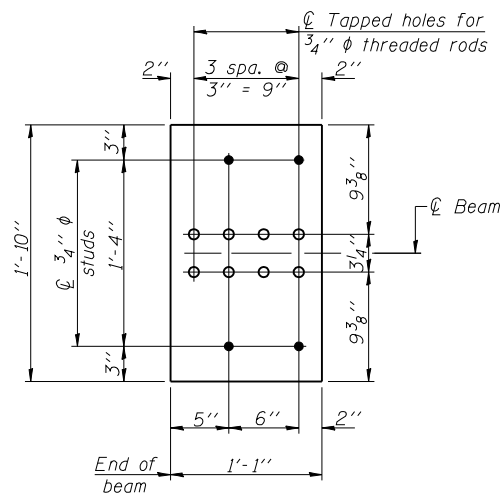
ELEVATION OF BEAM AT PIER



PLAN OF BEAM AT PIER

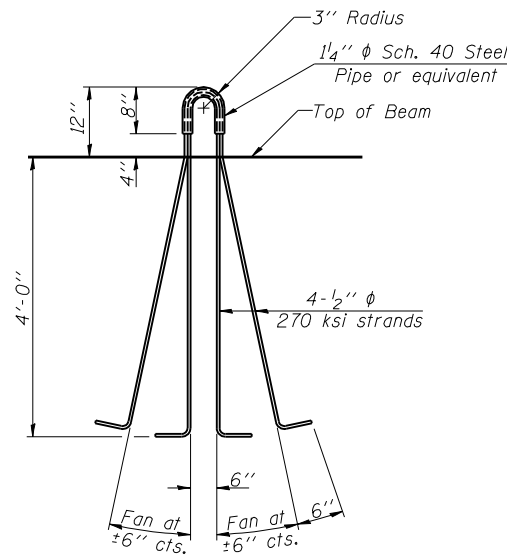


TOP PLATE

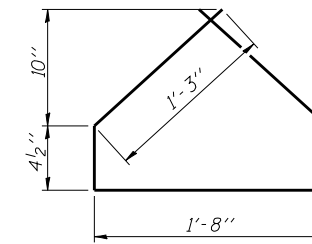


BOTTOM PLATE

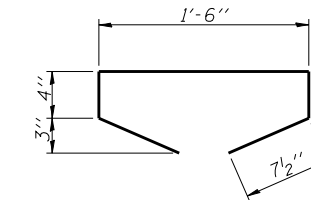
See bearing details for pintle hole locations when required.



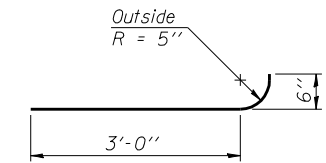
LIFTING LOOP DETAIL



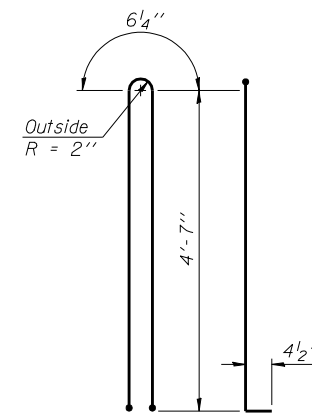
BAR G4



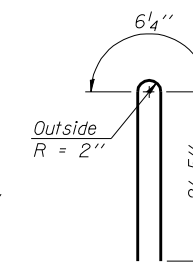
BAR G5



BAR G6



BAR G1



BAR G2

NOTES

- Inserts for 3/4" ϕ threaded dowel rods, when specified, are to be two strut, coil type for interior beams and single coil, flared loop type for exterior beams.
- Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.
- The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
- Non-prestressing steel shall conform to ASTM A 706 (IL MOD), Grade 60.
- A minimum 2 1/2" ϕ lifting pin shall be used to engage the lifting loops during handling.
- Cut G6 bars when necessary to maintain 1/2" clearance.
- The bottom plates and studs shall be galvanized according to AASHTO M111.
- Threaded rods shall be ASTM F 1554 Grade 55.
- The cut strands at each beam end shall be given two coats of zinc dust spray or paint meeting the requirements of ASTM A 780. The zinc dust spray or paint shall be applied before corrosion appears and allowed to dry according to the manufacturer's specifications prior to another coat of zinc. A concrete sealer meeting the requirements of Section 587 of the Standard Specifications shall be applied to all portions of the I-beam or Bulb-T beam, except the top surface of the top flange and the bottom surface of the bottom flange, starting at each beam end and extending out a distance of 54 inches. The sealer shall be applied after visible crack growth has subsided. This work shall be performed by the producer and included with the cost of the beam.

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 54"	Ft.	1119.0

54" PPC I-BEAM DETAILS
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

DESIGNED Phillip R. Litchfield
CHECKED Nick R. Barnett
DRAWN R. Sommer
CHECKED P.R.L./N.R.B.

September 6, 2007
EXAMINED Thomas J. Domagalaki
PASSED Ralph E. Anderson

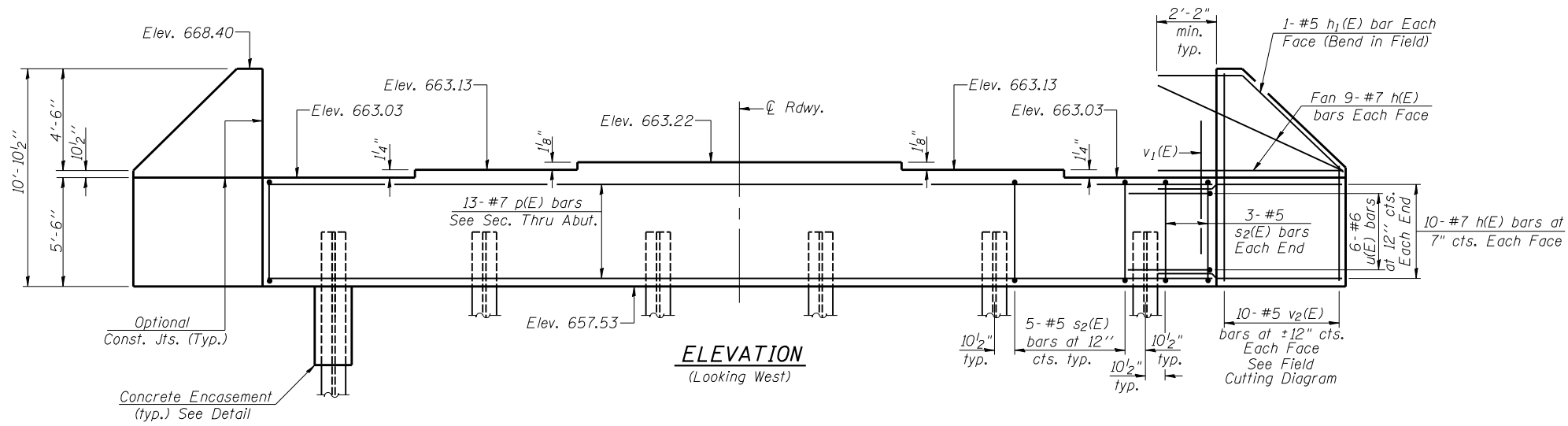
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	38
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

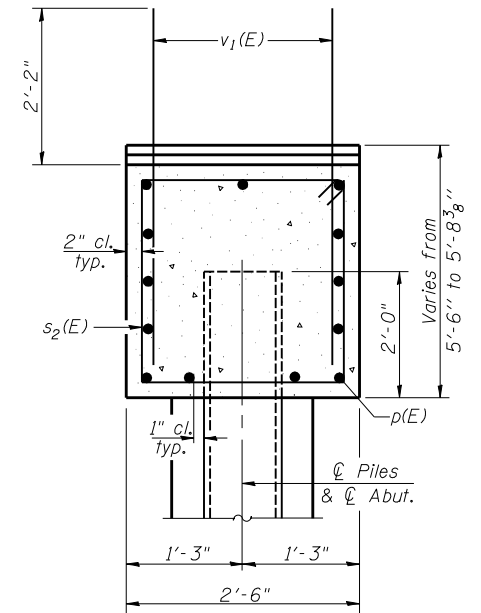
Contract #70232

SHEET NO. 13
18 SHEETS

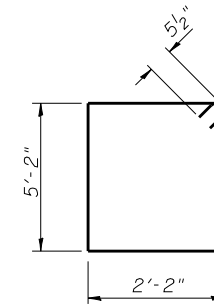
Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.
For anchor bolt installation details see sheet 16 of 18.



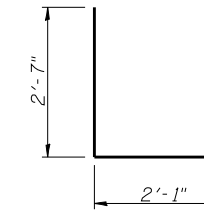
ELEVATION
(Looking West)



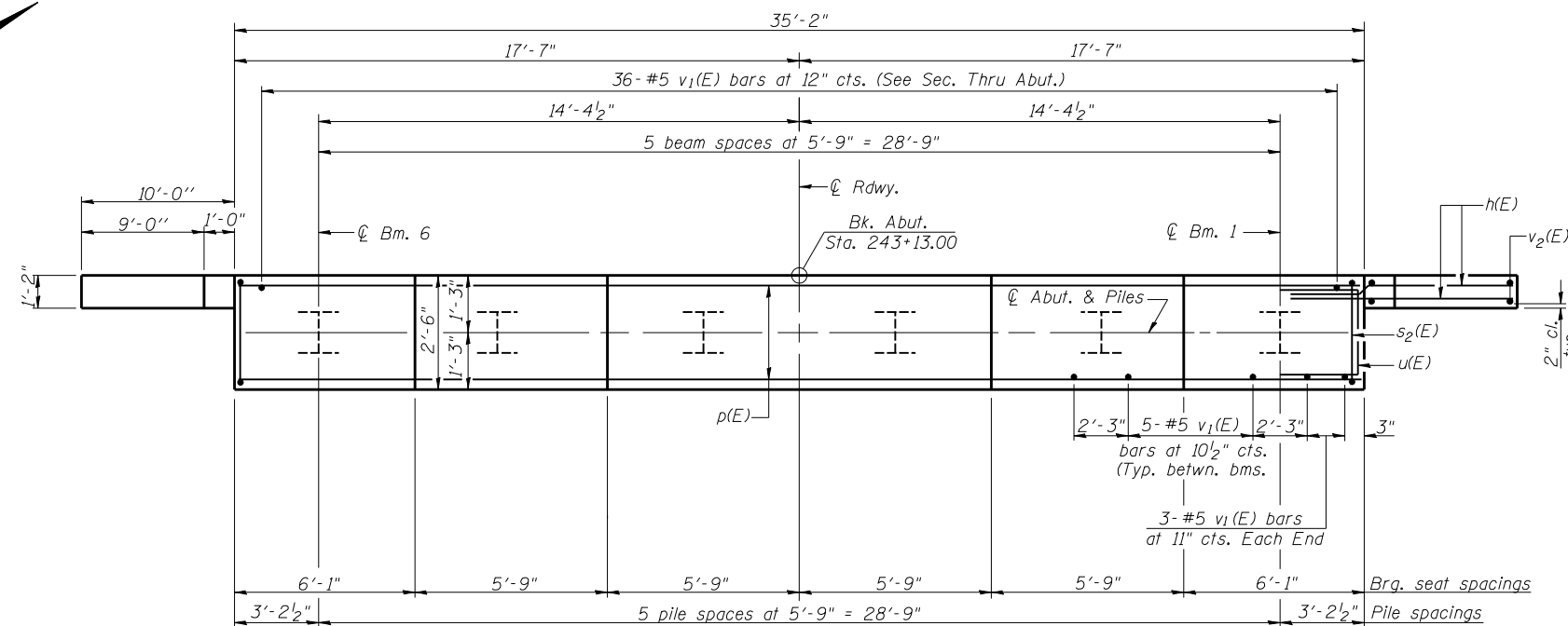
SEC. THRU ABUT.



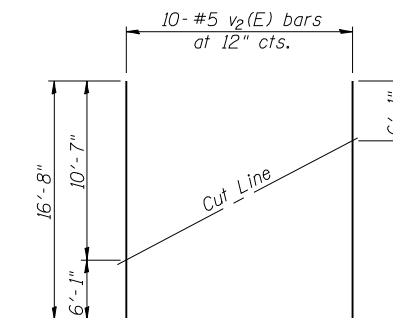
BAR s2(E)



BAR u(E)



PLAN



FIELD CUTTING DIAGRAM

Order v2(E) bars full length. Cut as shown and use remainder of bars in opposite face.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	76	#6	12'-0"	—
hi(E)	4	#5	13'-2"	—
p(E)	13	#7	34'-10"	—
s2(E)	31	#5	15'-7"	U
u(E)	12	#6	7'-3"	U
v1(E)	67	#5	4'-4"	—
v2(E)	20	#5	16'-8"	—
Concrete Structures			Cu. Yd.	26
Reinforcement Bars, Epoxy Coated			Pound	3640
Furnishing Steel Piles HP12x63			Foot	210
Driving Piles			Foot	210
Structure Excavation			Cu. Yd.	103
Test Pile Steel HP 12x63			Each	1
Concrete Encasement			Cu. Yd.	2.1

PILE DATA

Type: HP12x63
Nominal Required Bearing: 429 kips
Allowable Resistance Available: 143 kips
Est. Length: 42 ft.
No. Required: 5+1 Test Pile

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

EXAMINED	September 6, 2007	Thomas J. Domagala
PASSED		Ralph E. Anderson

WEST ABUTMENT
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

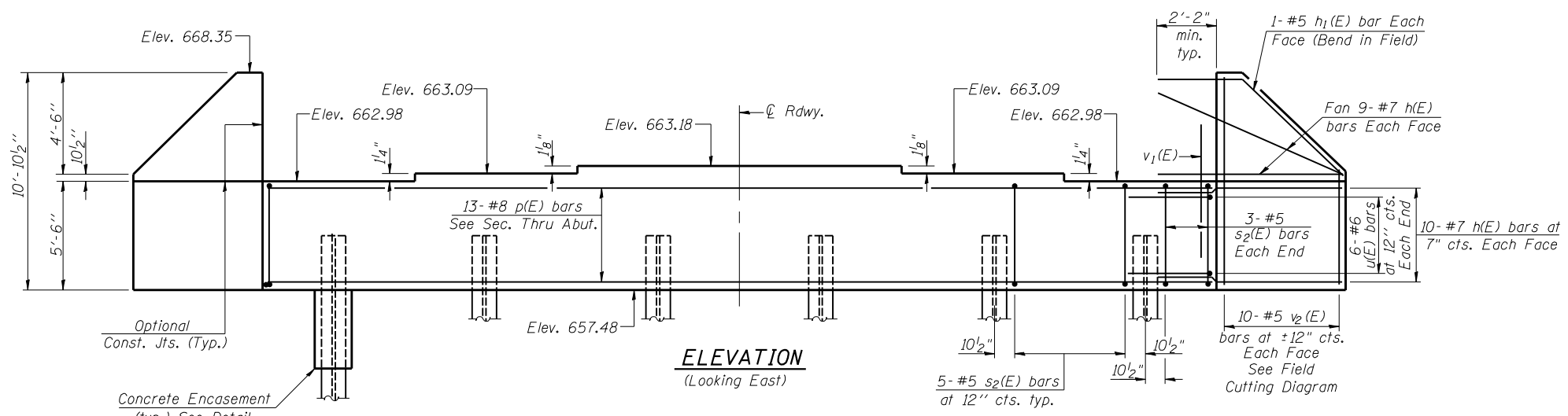
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	39
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

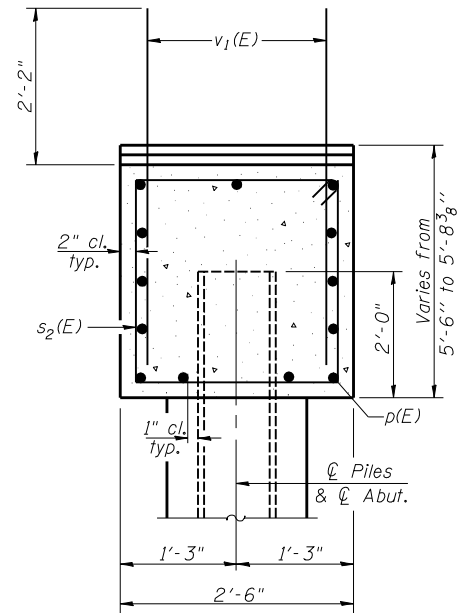
SHEET NO. 14
18 SHEETS

Contract #70232

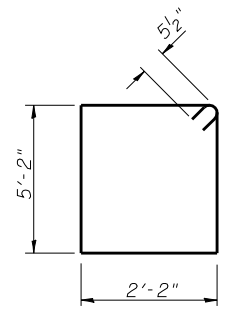
Notes:
Four steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.
For anchor bolt installation details see sheet 16 of 18.



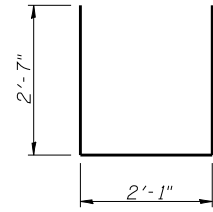
ELEVATION
(Looking East)



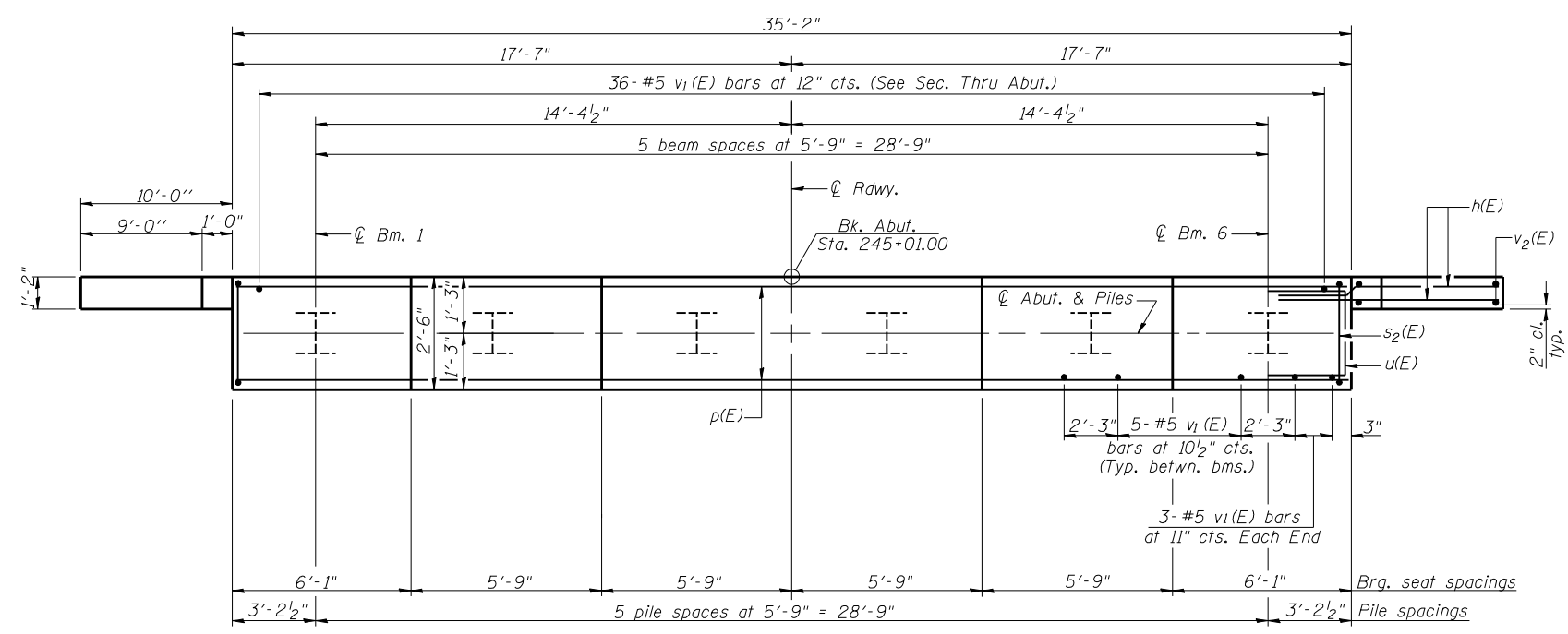
SEC. THRU ABUT.



BAR s2(E)



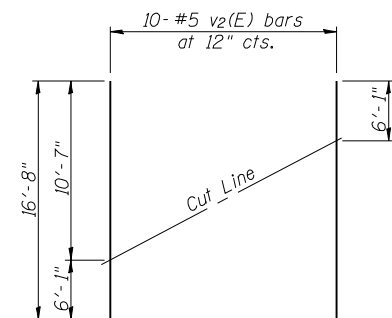
BAR u(E)



PLAN

BILL OF MATERIAL

Bar No.	Size	Length	Shape
h(E) 76	#6	12'-0"	—
h1(E) 4	#5	13'-2"	—
p(E) 13	#7	34'-10"	—
s2(E) 31	#5	15'-7"	U
u(E) 12	#6	7'-3"	U
v1(E) 67	#5	4'-4"	—
v2(E) 20	#5	16'-8"	—
Concrete Structures	Cu. Yd.	26	
Reinforcement Bars, Epoxy Coated	Pound	3640	
Furnishing Steel Piles HP12x63	Foot	265	
Driving Piles	Foot	265	
Structure Excavation	Cu. Yd.	103	
Test Pile Steel HP 12x63	Each	1	
Concrete Encasement	Cu. Yd.	2.1	



FIELD CUTTING DIAGRAM

Order v2(E) bars full length. Cut as shown and use remainder of bars in opposite face.

Note: Piles shall be driven through 1'-6" diameter precored holes extending to elevation 649.40 feet according to Article 512.09(c) of the Standard Specifications. Cost included in driving piles.

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

EXAMINED	September 6, 2007	Thomas J. Domagala
PASSED		Ralph E. Anderson

PILE DATA

Type: HP12x63
Nominal Required Bearing: 489 kips
Allowable Resistance Available: 143 kips
Est. Length: 53 ft.
No. Required: 5+1 Test Pile

EAST ABUTMENT
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

Note: Pour steps monolithically with cap.

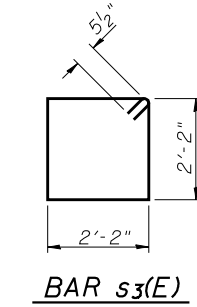
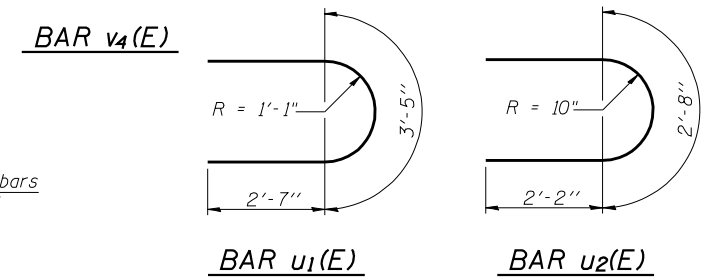
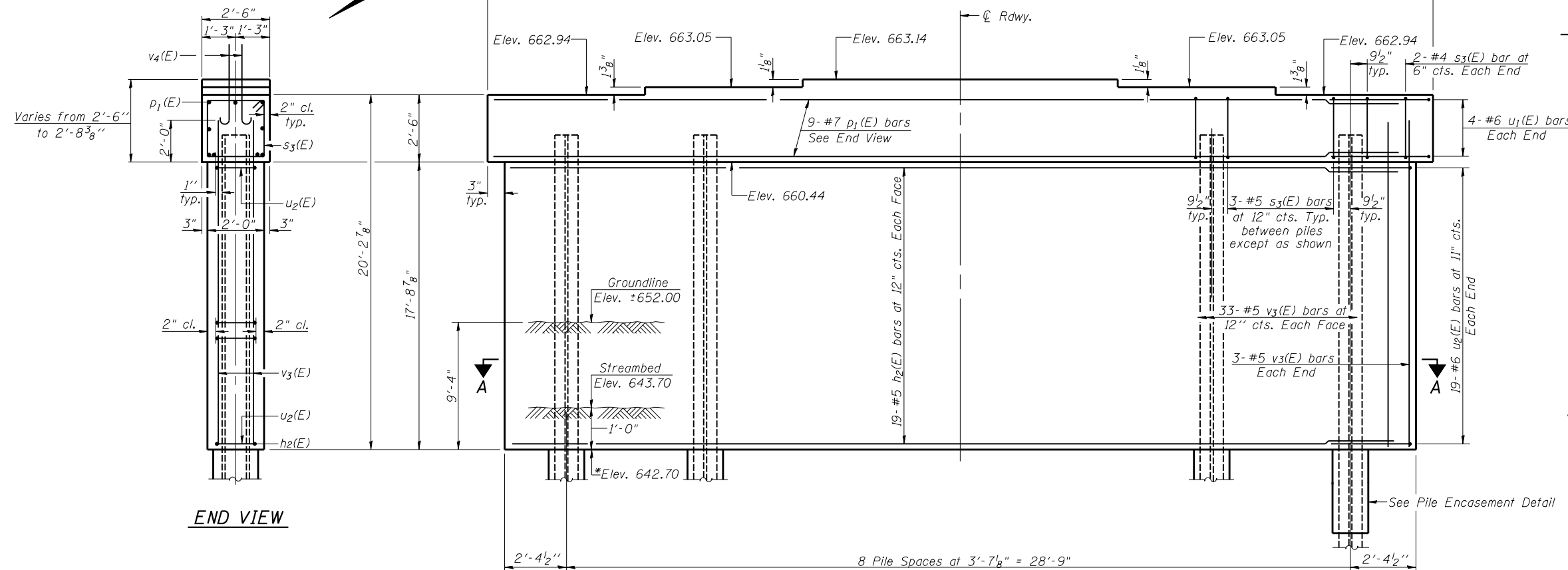
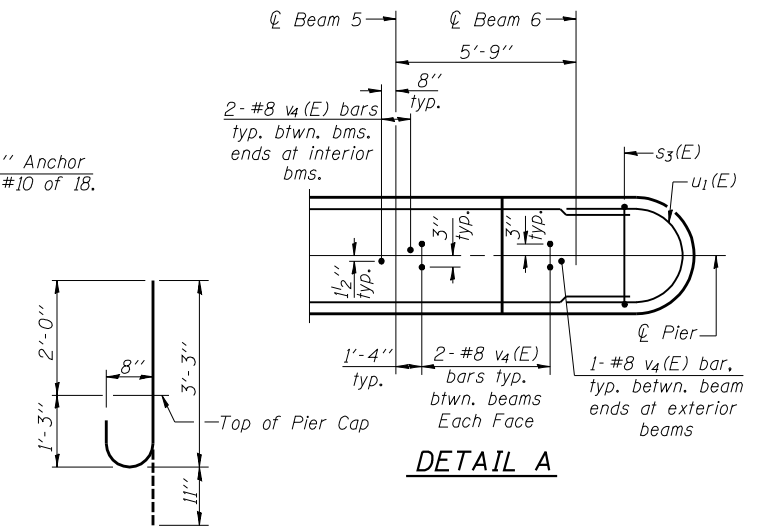
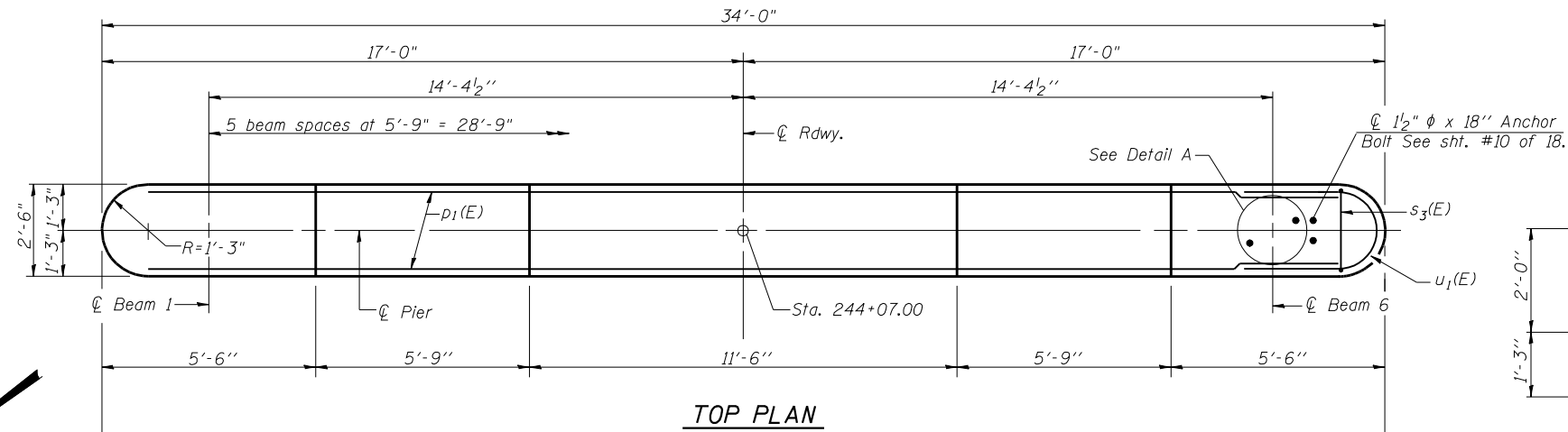
*Forms shall be placed below Elev. 642.70 after excavation for pier wall. Reinforcement shall be place and concrete encasement shall be poured underwater into forms. If a portion of the pier wall is under water, concrete shall be trimmed under water into forms according to Article 503.08 of the Standard Specifications. Concrete shall be trimmed to an elevation 1'-0" above the water level at the time of construction.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	40
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

Contract #70232

SHEET NO. 15
18 SHEETS



BILL OF MATERIAL

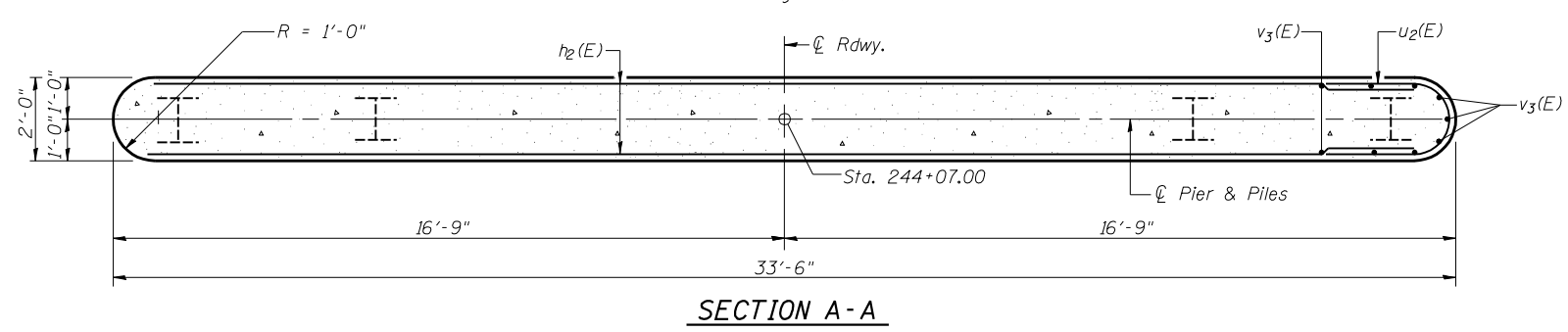
Bar	No.	Size	Length	Shape
h ₂ (E)	38	#5	31'-6"	—
p ₁ (E)	9	#7	31'-6"	—
s ₃ (E)	28	#5	9'-7"	□
u ₁ (E)	8	#6	8'-7"	U
u ₂ (E)	38	#6	7'-0"	U
v ₃ (E)	72	#5	19'-7"	—
v ₄ (E)	30	#8	4'-2"	—
Concrete Structures		Cu. Yd.	52	
Reinforcement Bars, Epoxy Coated		Pound	4410	
Furnishing Steel Piles HP12x63		Foot	266	
Structure Excavation		Cu. Yd.	76	
Test Pile Steel HP 12x63		Each	1	
Driving Piles		Foot	266	
Underwater Structure Excavation Protection - Location 1		Each	1	
Concrete Encasement		Cu. Yd.	2.8	

PILE DATA

Type: HP12x63
Nominal Req'd. Bearing: 471 kips
Allowable Resistance Available: 157 kips
Est. Length: 38 ft.
No. Required: 7+1 Test Pile

DESIGNED	Phillip R. Litchfield
CHECKED	Nick R. Barnett
DRAWN	R. Sommer
CHECKED	P.R.L./N.R.B.

EXAMINED	September 6, 2007	Thomas J. Domagala
PASSED		Ralph E. Anderson

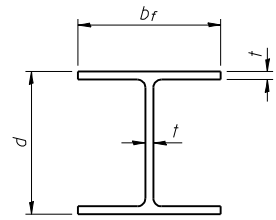


PIER
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

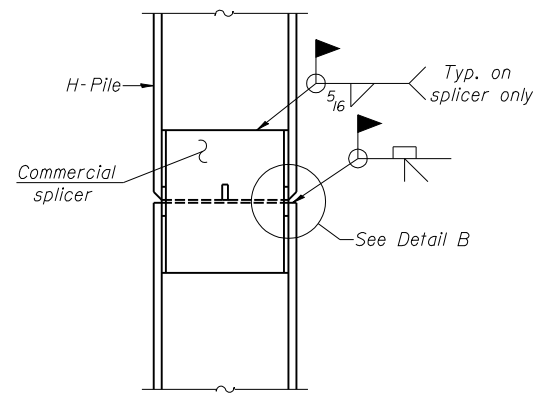
ROUTE NO. F.A.P. 721	SECTION (113BR) BR	COUNTY DEWITT	TOTAL SHEETS 81	SHEET NO. 41
SHEET NO. 16 18 SHEETS				
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract #70232

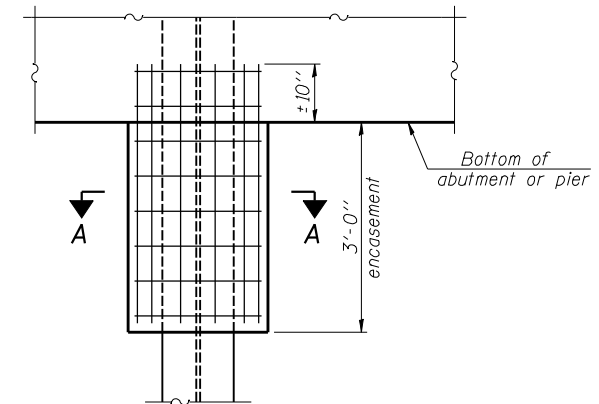


STEEL PILE TABLE

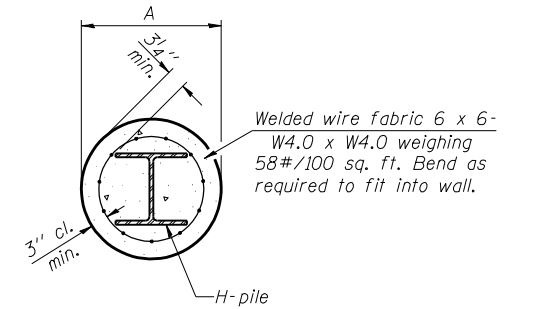
Designation	Depth d	Flange width br	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 3/8"	12 1/4"	5/8"	24"
x63	12"	12 3/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 3/8"	7/16"	18"



ELEVATION



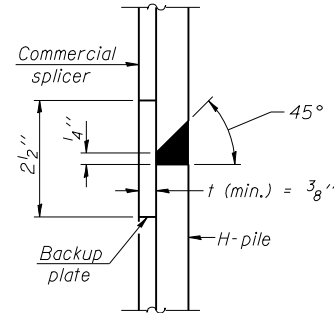
ELEVATION



SECTION A-A

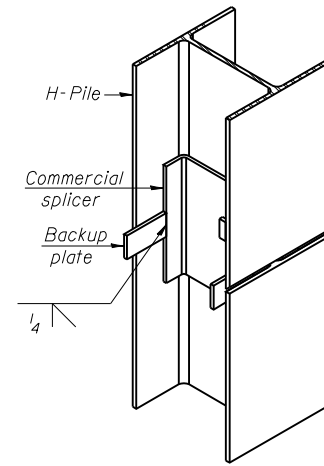
Note:
Forms for encasement may be omitted when soil conditions permit.

PILE ENCASEMENT

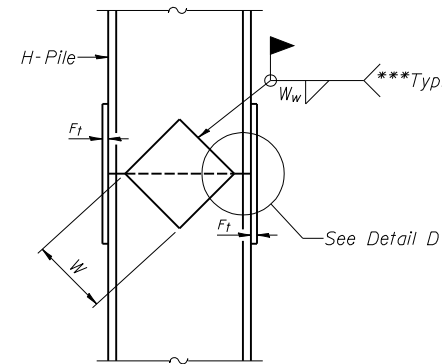


DETAIL B

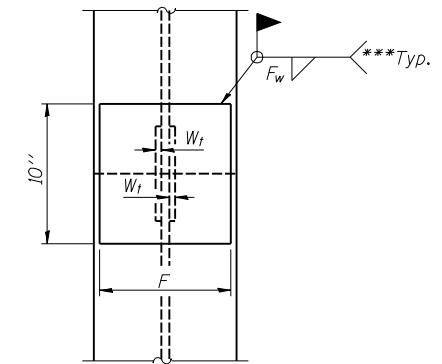
WELDED COMMERCIAL SPLICE



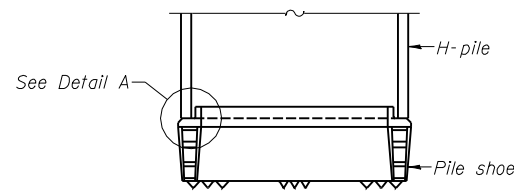
ISOMETRIC VIEW



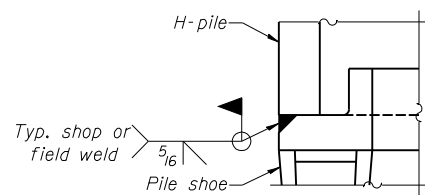
ELEVATION



END VIEW

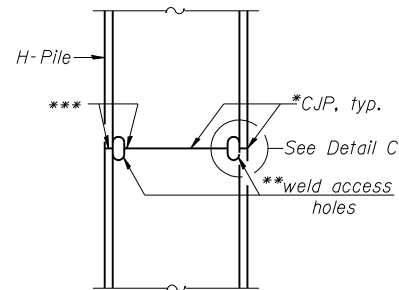


ELEVATION



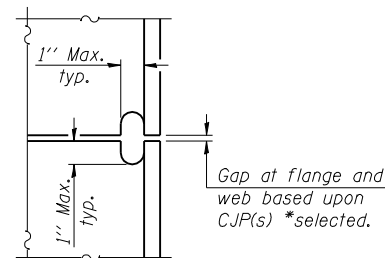
DETAIL A

H-PILE SHOE ATTACHMENT

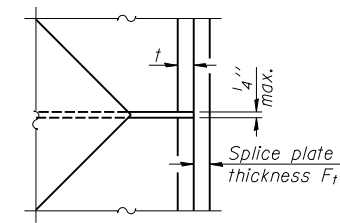


ELEVATION

COMPLETE PENETRATION WELD SPLICE



DETAIL C



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 3/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 3/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5 3/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 3/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5 3/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5 3/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

PILE DETAILS
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

DESIGNED Phillip R. Litchfield
CHECKED Nick R. Barnett
DRAWN R. Sommer
CHECKED P.R.L./N.R.B.

September 6, 2007
EXAMINED Thomas J. Domagala
PASSED Ralph E. Anderson

*Use joint conforming to Figure 3.4 in AWS D1.1, Structure Welding Code-Steel.
**Preparation per Fig. 5.2 in AWS D1.1, Structure Welding Code-Steel.
***Interrupt welds 1/4" from end of each pile.

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 721	(113BR) BR	DEWITT	81	42
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 17
18 SHEETS

Contract #70232

NOTES

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

- ① Minimum Capacity (Tension in kips) = $1.25 \times f_y \times A_t$
 - ② Minimum *Pull-out Strength (Tension in kips) = $0.66 \times f_{yallow} \times A_t$
- Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

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

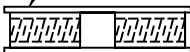
The diameter of this part is equal or larger than the diameter of bar spliced.

ROLLED THREAD DOWEL BAR



****ONE PIECE**

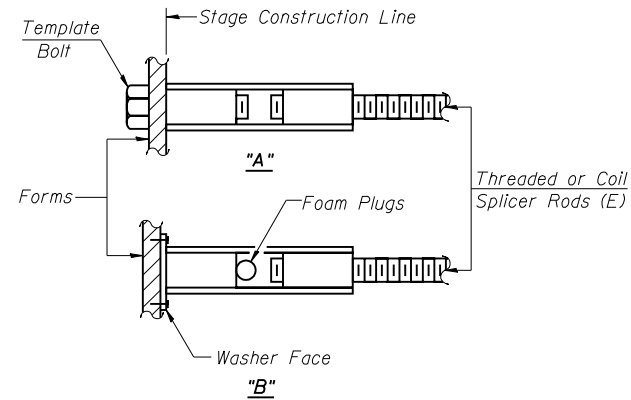
Wire Connector



WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

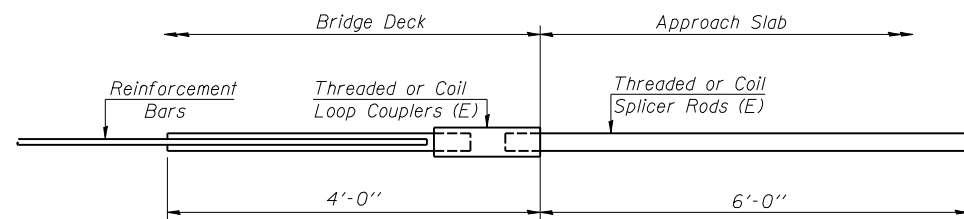
**Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



INSTALLATION AND SETTING METHODS

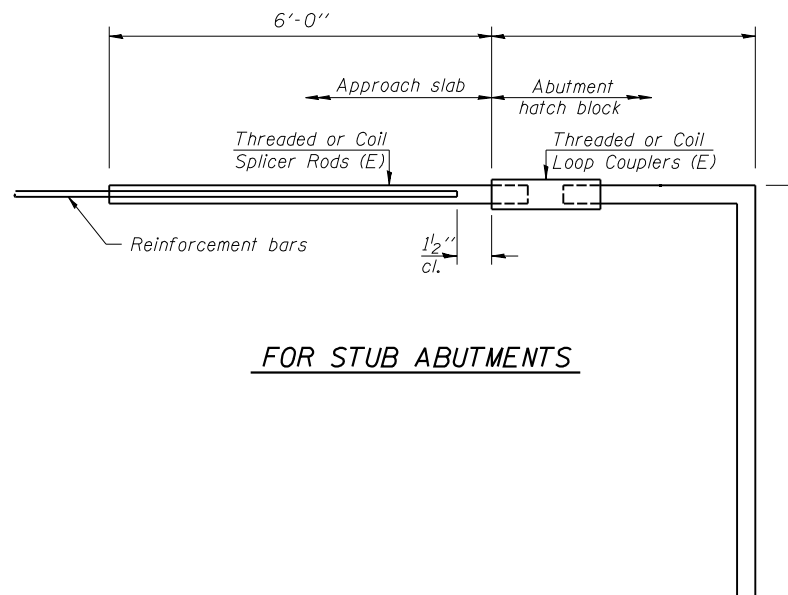
"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



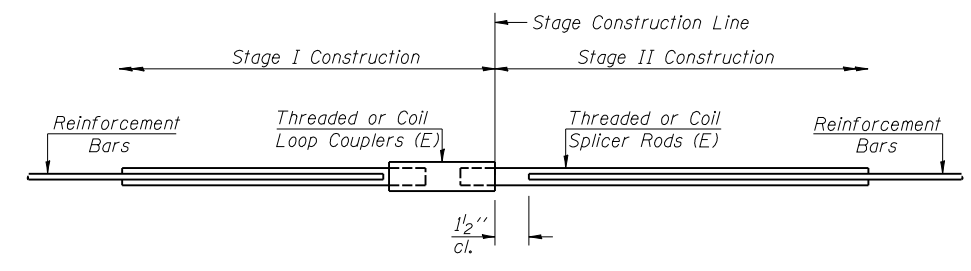
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips-tension
No. Required = 64



FOR STUB ABUTMENTS

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 9.2 kips - tension
No. Required =



STANDARD

Bar Size	No. Assemblies Required	Location

DESIGNED Phillip R. Litchfield
CHECKED Nick R. Barnett
DRAWN R. Sommer
CHECKED P.R.L./N.R.B.

September 6, 2007
EXAMINED Thomas J. Domagalaki
PASSED Ralph E. Anderson

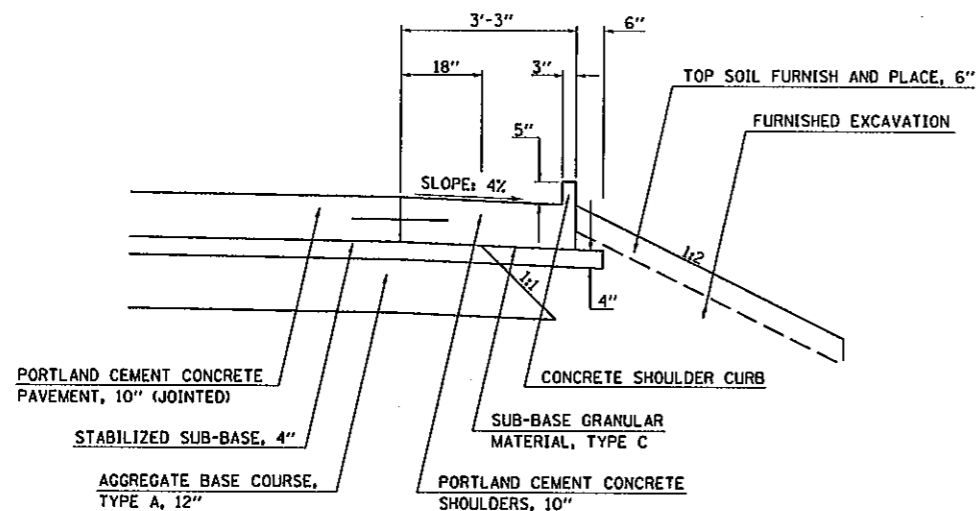
BSD-1 11-1-06

BAR SPLICER ASSEMBLY DETAILS
F.A.P. ROUTE 721 - SECTION (113BR)BR
DEWITT COUNTY
STATION 244+07.00
STRUCTURE NO. 020-0062

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113BR)BR	DEWITT	81	44
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DETAIL OF PORTLAND CEMENT CONCRETE SHOULDERS

STATION 245+37.00 TO STATION 245+52.00



NOTE: REFER TO HIGHWAY STANDARDS 483001 AND 420001 FOR TRANSVERSE CONSTRUCTION JOINT.

SCHEDULES

PORTLAND CEMENT CONCRETE SHOULDERS 10"

STATION	TO	STATION	WIDTH	SO	YD
245+37.00	RT	245+52.00	3.25	RT	6.00
245+37.00	LT	245+52.00	3.25	LT	6.00

TOTAL 12.00

CONCRETE SHOULDER CURB

STATION	TO	STATION	FOOT
245+37.00	RT	245+52.00	15.00
245+37.00	LT	245+52.00	15.00

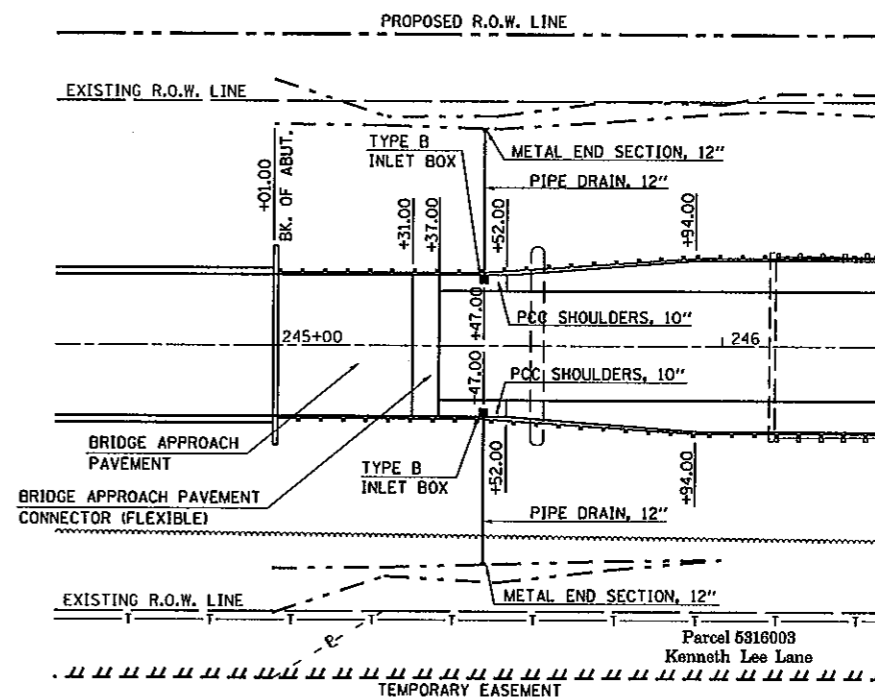
TOTAL 30.00

SUB-BASE GRANULAR MATERIAL, TYPE C

STATION	TO	STATION	TON
245+37.00	RT	245+52.00	0.09
245+37.00	LT	245+52.00	0.09

TOTAL USE 0.18

PCC SHOULDER AND SHOULDER DRAIN PLAN



SCHEDULES

TYPE B INLET BOX, STANDARD 609001

STATION	OFFSET	EACH
245+47.00	RT	1
245+47.00	LT	1
TOTAL		2

METAL END SECTIONS 12"

STATION	OFFSET	EACH
245+47.00	RT	49.63' 1
245+47.00	LT	49.11' 1
TOTAL		2

PIPE DRAINS 12"

STATION	OFFSET	TO	FOOT
245+47.00	RT	16'	49.63' 36
245+47.00	LT	16'	49.11' 35
TOTAL			71

CONCRETE THRUST BLOCKS

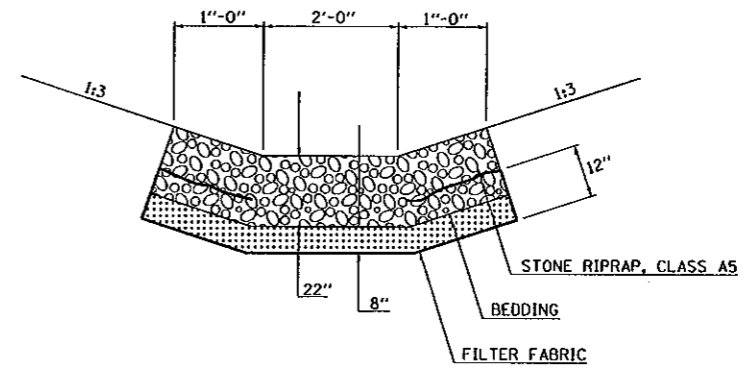
STATION	OFFSET	EACH
245+47.00	RT	48' 1
245+47.00	LT	48' 1
TOTAL		2

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL OF PCC SHOULDER & SHOULDER DRAIN PLAN
 F.A.P. RTE. 721 (IL RTE. 10)
 SECTION (113BR)BR
 DEWITT COUNTY
 SCALE: NOT TO SCALE
 DATE: 07/03/07
 DRAWN BY: B.B.P.
 CHECKED BY: R.M.N.

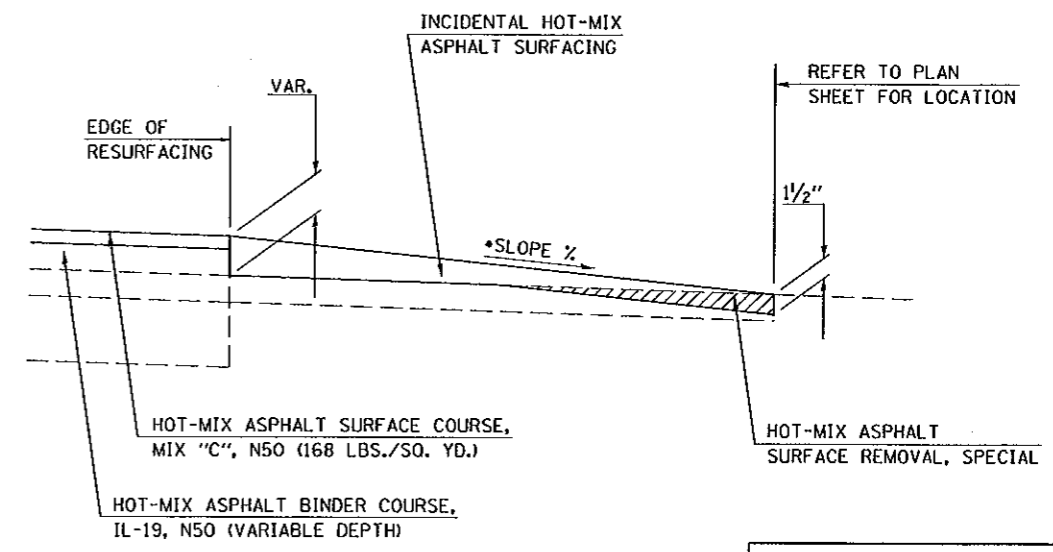
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR)BR	DEWITT	81	46
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DITCH DETAIL

LOCATED AT
 STATION 239+82.31, RT. 12.97' TO STATION 240+21.68, RT. 38.44'
 AND
 STATION 239+89.62, LT. 13.08' TO STATION 240+23.94, LT. 37.61



DETAIL FOR ENTRANCES AT STA. 240+35.71 RT. & STA. 240+89.80 LT. (HOT-MIX ASPHALT OR OIL & CHIP)

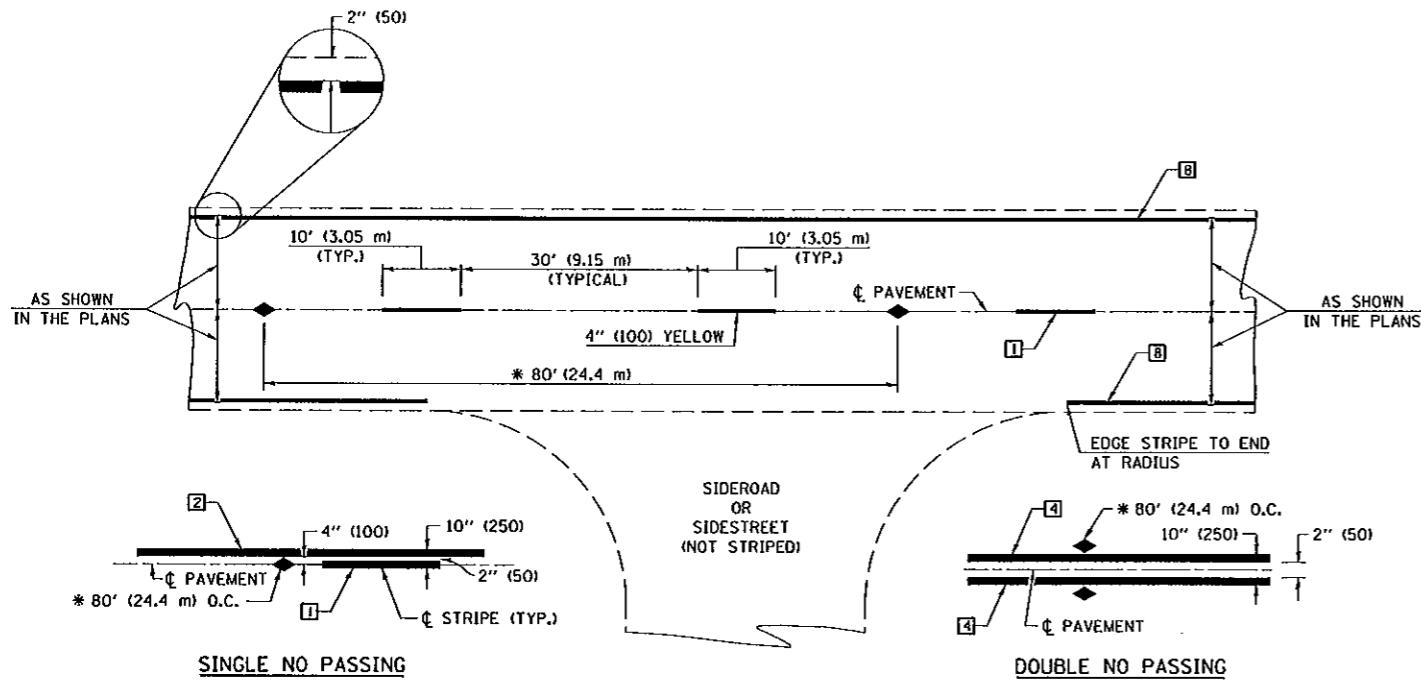


• REFER TO STATION CROSS SECTION FOR SLOPE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DITCH DETAIL AND P.E. OR C.E. DETAIL
 F.A.P. RTE. 721 (IL RTE. 10)
 SECTION (113BR)BR
 DEWITT COUNTY
 SCALE: NOT TO SCALE
 DATE: 07/03/07
 DRAWN BY: B.B.P.
 CHECKED BY: R.M.N.

PLOT DATE = 7/3/2007
 FILE NAME = c:\projects\4503002\081703232det-0111.dgn
 PLOT SCALE = 43.2354' / IN.
 USER NAME = colligebw

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113B)R1B	DEWITT	81	47



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

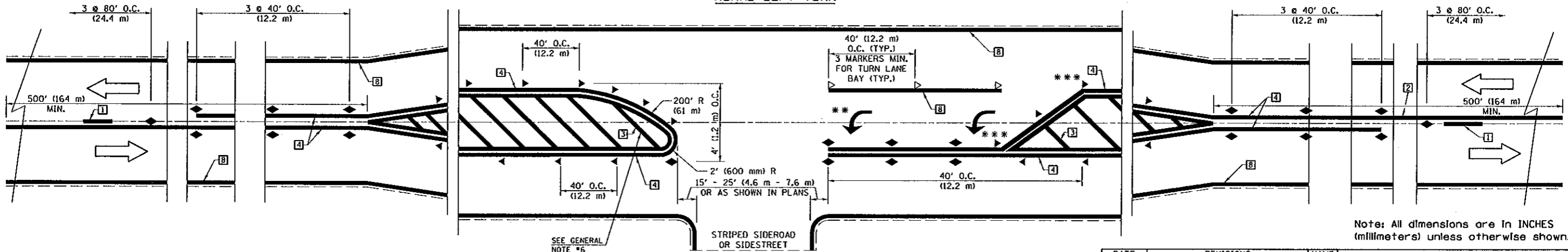
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



SEE GENERAL NOTE #6

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

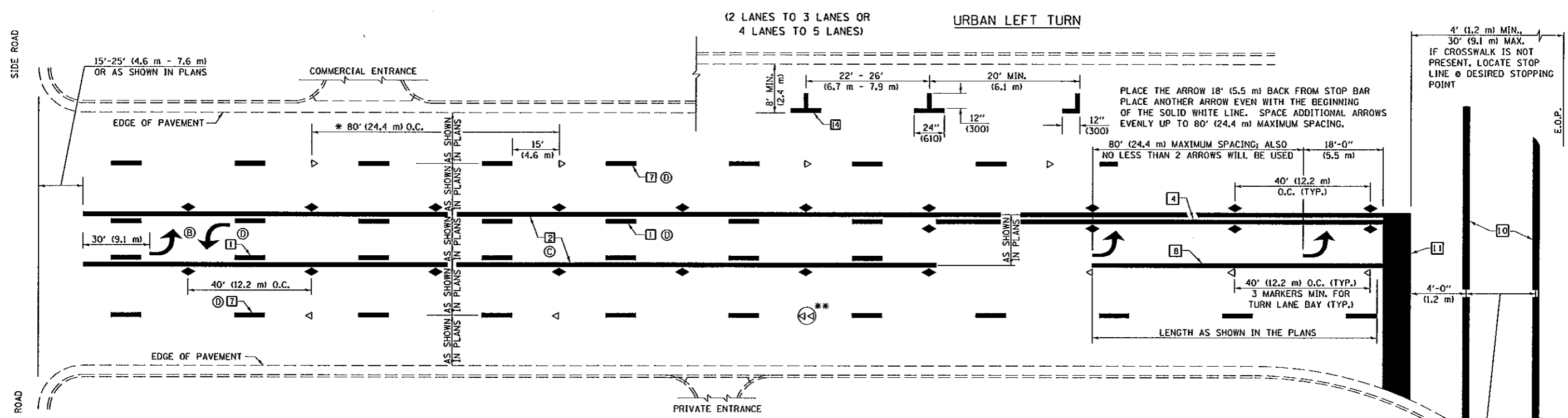
*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
 ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
 DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 7/2/2007
 FILE NAME = c:\p\o\m\m\70232\detail.dgn
 PLOT SCALE = 43.254 / 1
 USER NAME = collinsw

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113)R1BR	DEWITT	81	48

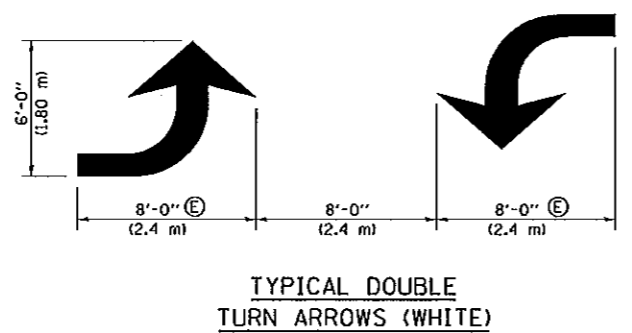
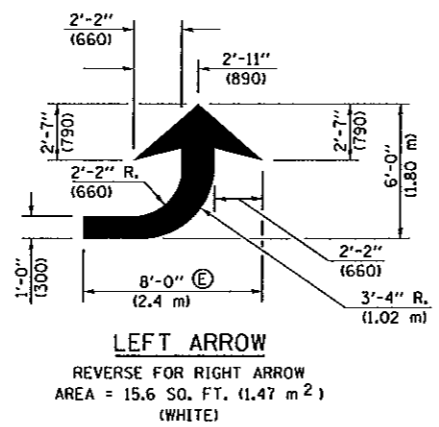


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

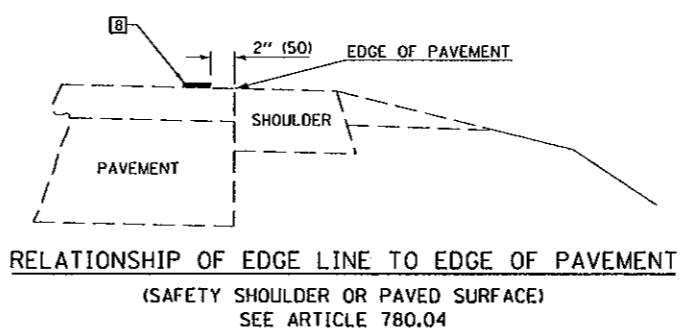
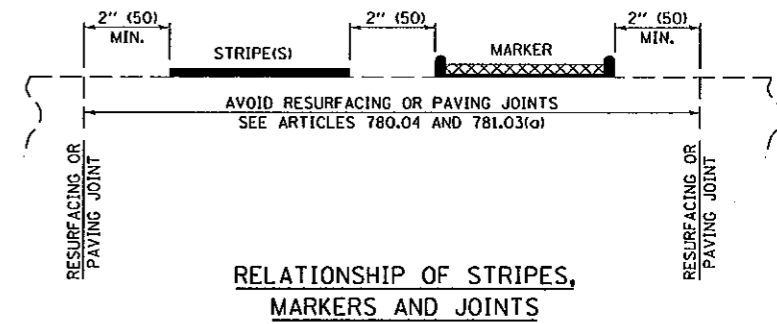
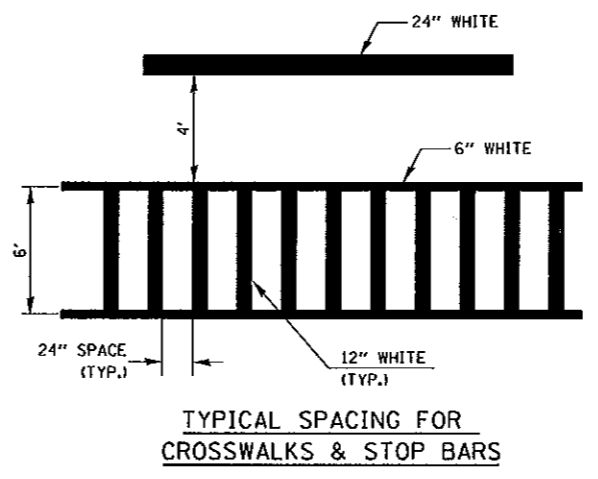
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

NOTES:

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) TURN ARROW SIZE DEPENDS ON THE LOCATION.
RURAL LOCATION - LARGE ARROW SIZE
URBAN LOCATION - SMALL ARROW SIZE



BLOOMINGTON-NORMAL CITY LIMITS ONLY



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

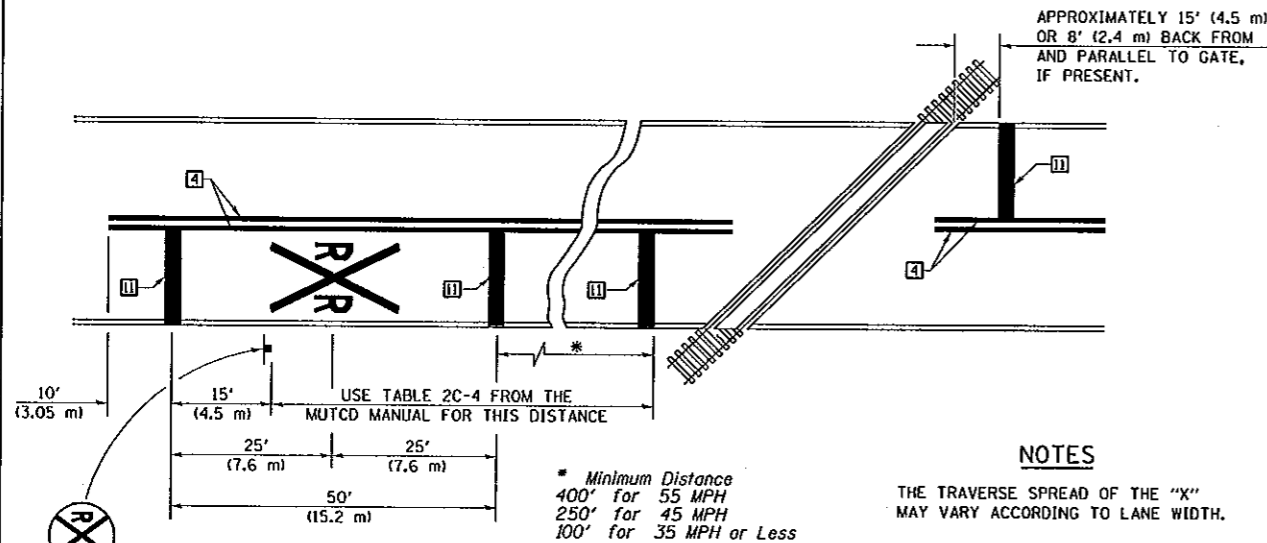
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE: 7/2/2007
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: ecollinsb

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(1138)RBR	DEWITT	81	50

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



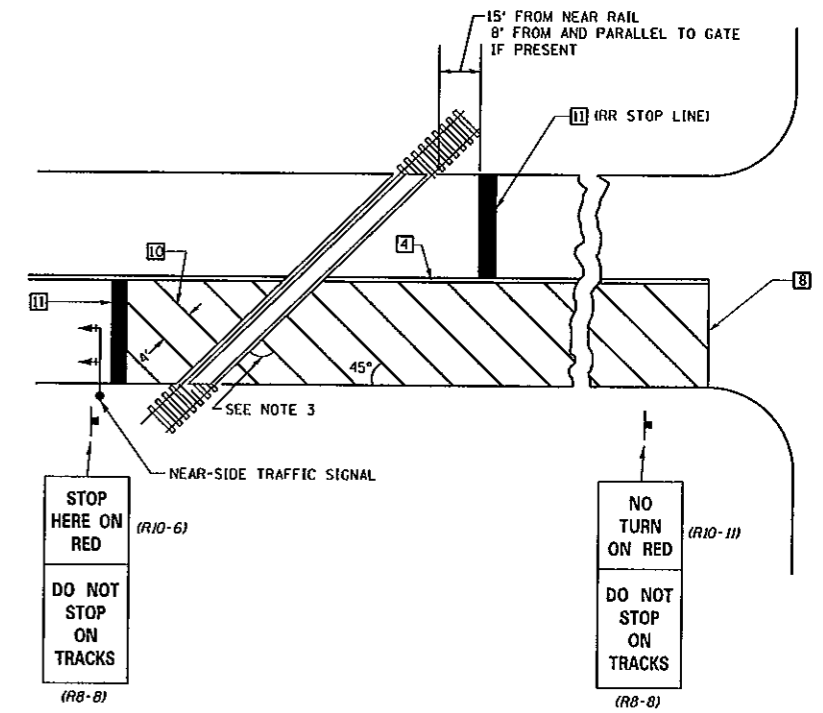
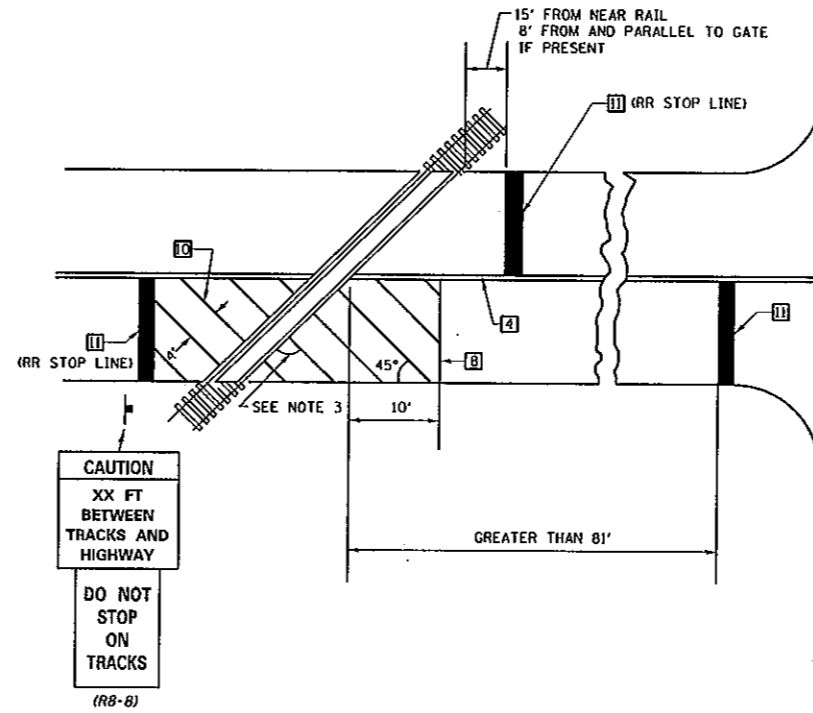
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



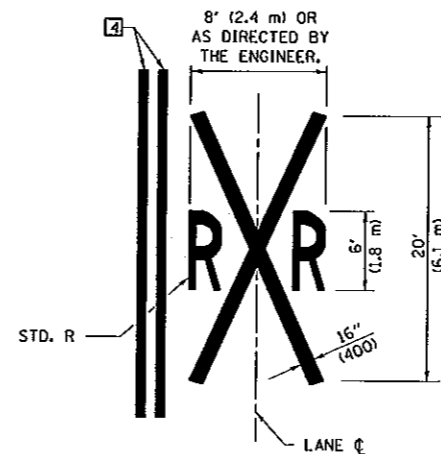
SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOTES

SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.

EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DATE	REVISIONS	NAME	ILLINOIS DEPARTMENT OF TRANSPORTATION
11/06	REPLACED DETAIL F-5.25	TJB	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
			DISTRICT 5 DETAIL NO. 7800AAAA

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

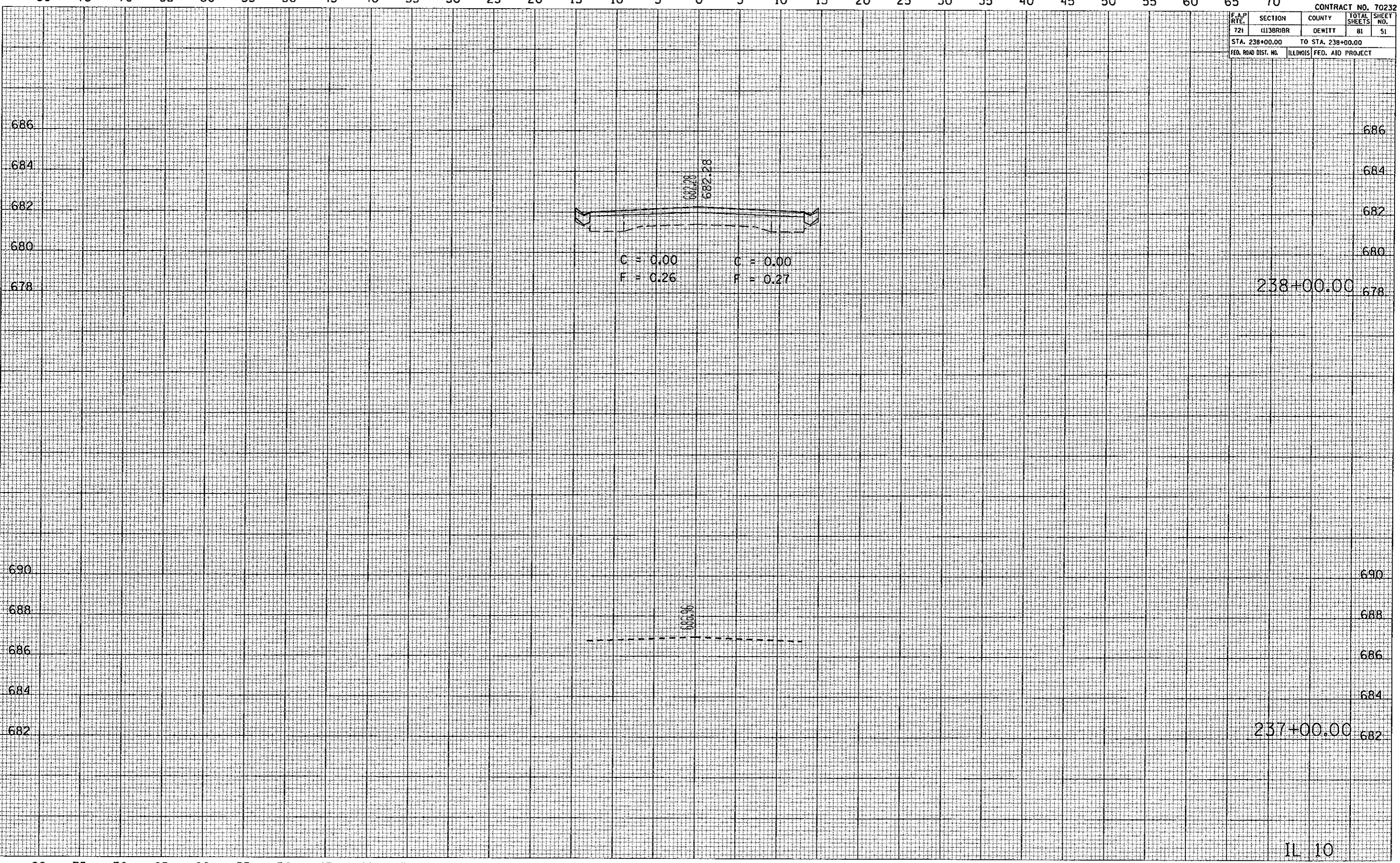
CONTRACT NO. 70232

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(1138)RBR	DEWITT	81	51
STA. 238+00.00		TO STA. 238+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY

DATE	BY

PLOT DATE: 8/18/2007
 FILE NAME: c:\p\proj\1138\1138RBR.dwg
 USER: j...
 PLOTTER: HP DesignJet 5000



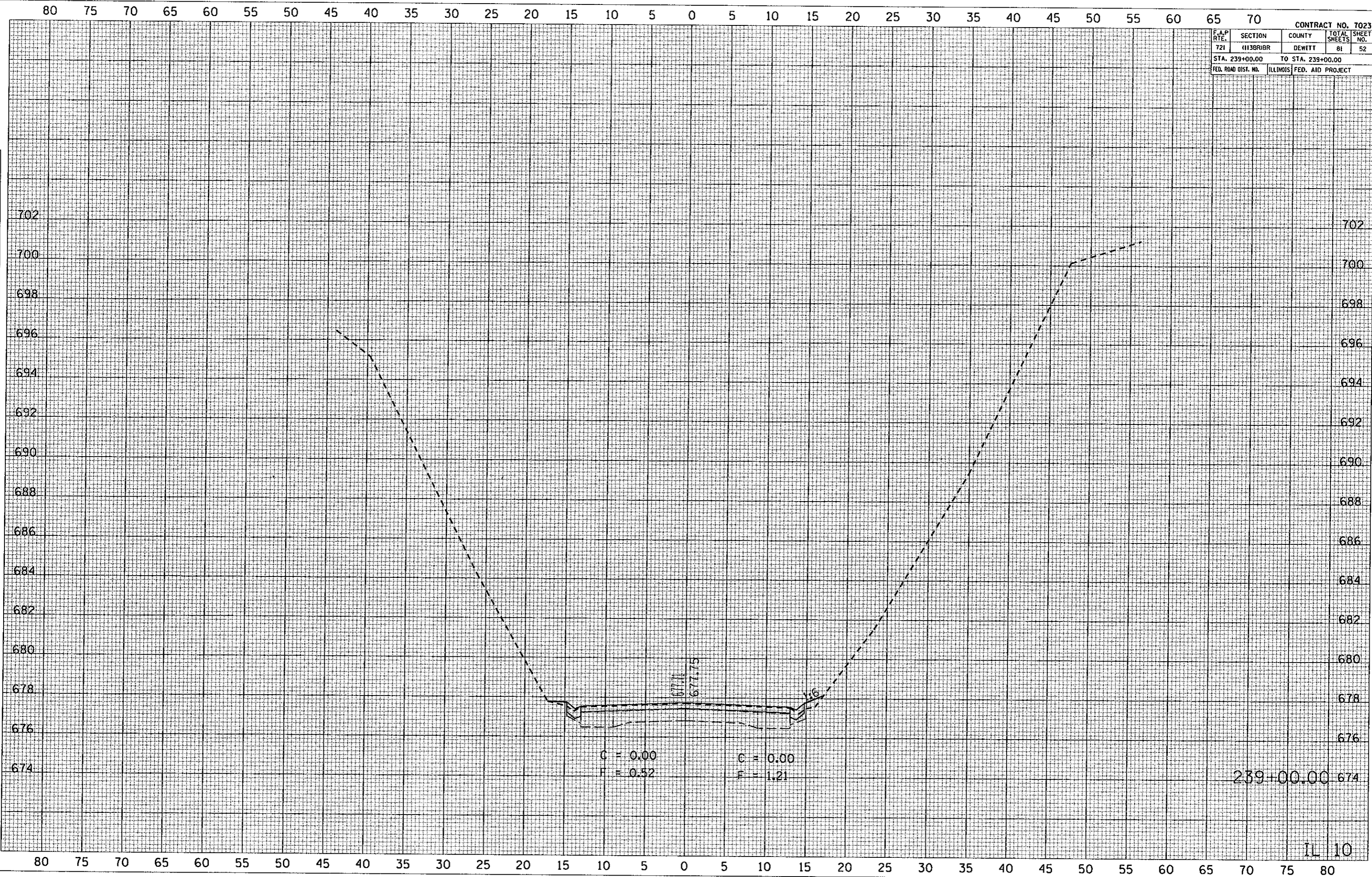
238+00.00

237+00.00

IL 10

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(1138)RBR	DEWITT	81	52
STA. 239+00.00		TO STA. 239+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

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

PLT DATE = 8/19/2007
 FILE NAME = c:\pva\mca\520202\68a\11-118\118p118.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = collins-b

239+00.00

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

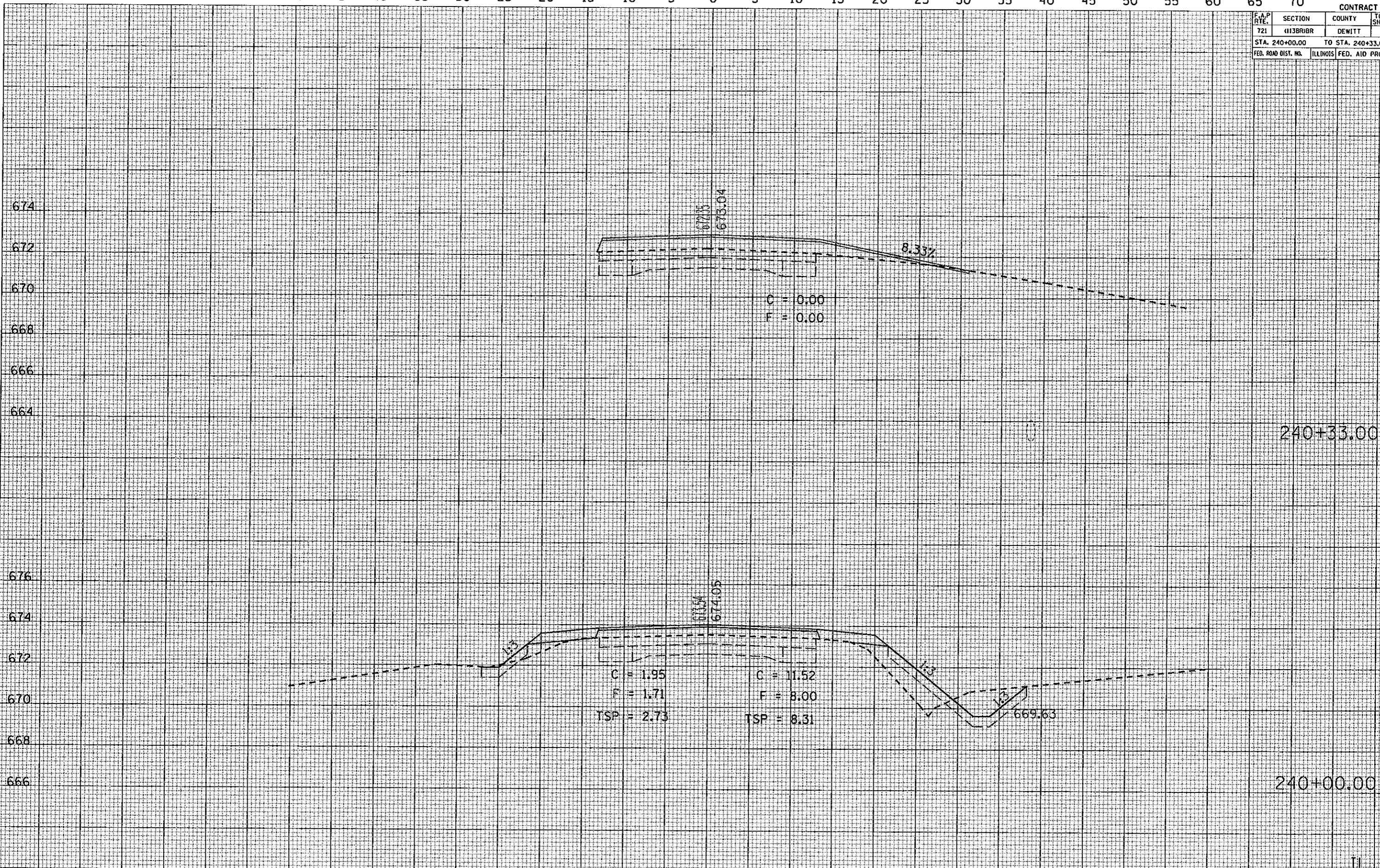
CONTRACT NO. 70232

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR/BR	DEWITT	81	53
STA. 240+00.00		TO STA. 240+33.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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

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

PLOT DATE = 8/16/2007
DRAWN BY = [unclear]
PLOT SCALE = 1" = 40'
USER NAME = [unclear]



80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

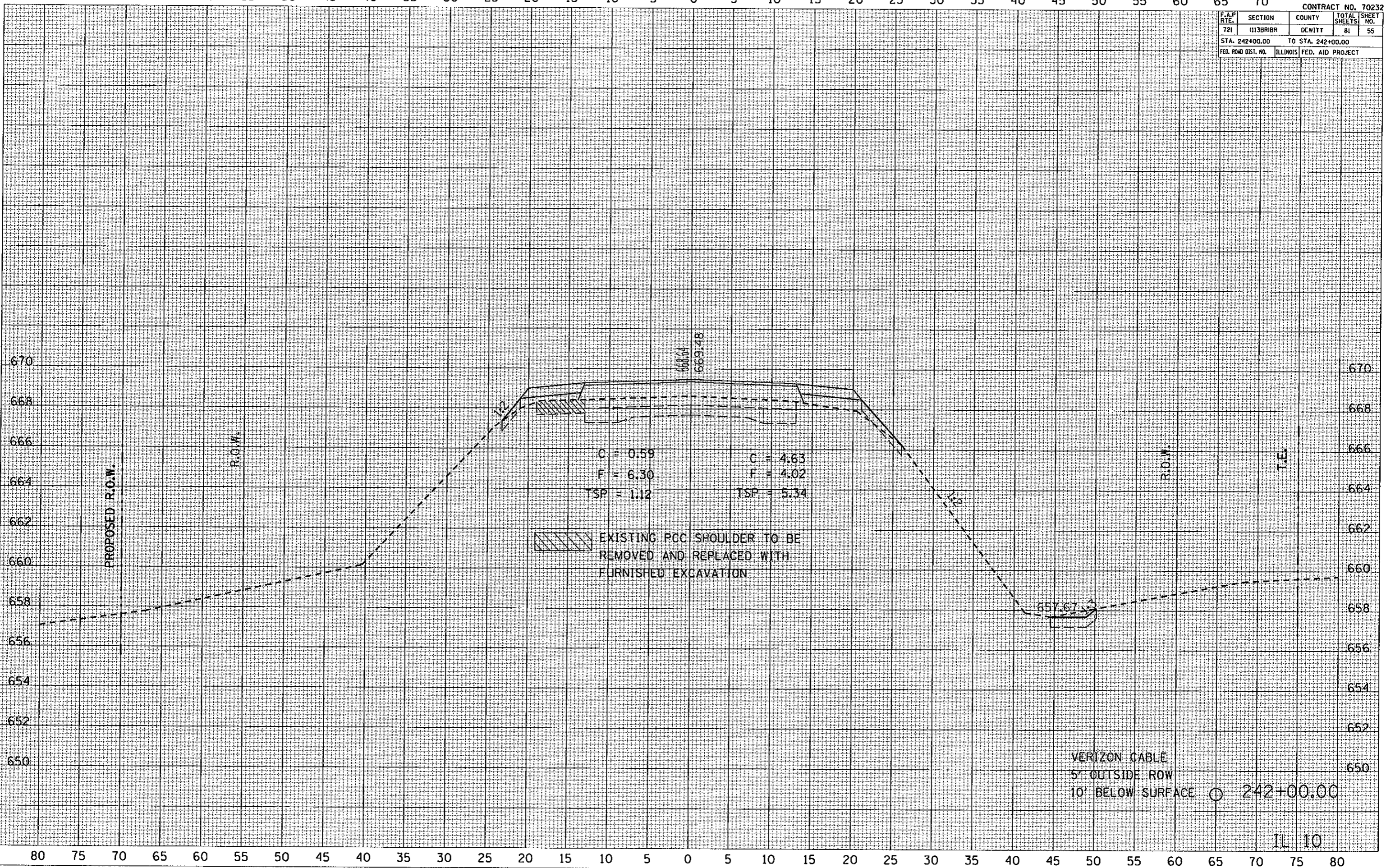
CONTRACT NO. 70232

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	013BRBR	DEWITT	81	55
STA. 242+00.00		TO STA. 242+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION

DATE	BY	REVISION

PLOT DATE: 8/18/2007
 FILE NAME: C:\prowork\70232\70232.dwg
 USER: JMC



IL 10

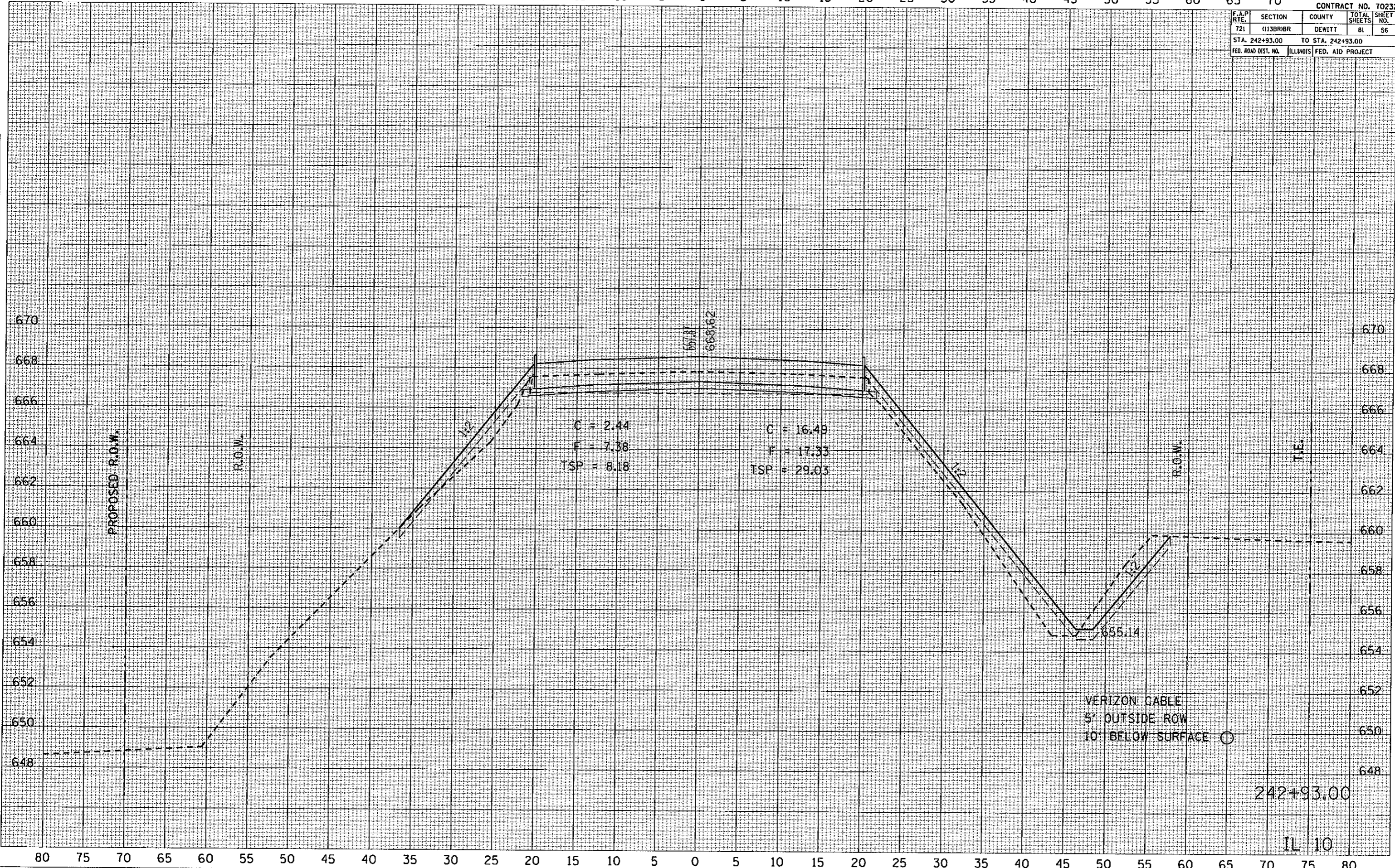
80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

CONTRACT NO. 70232				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113B)BR	DEWITT	81	56
STA. 242+93.00		TO STA. 242+93.00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

DATE	BY
DATE	BY
DATE	BY

DATE	BY
DATE	BY
DATE	BY

PLOT DATE: 8/14/2007
 FILE NAME: c:\proj\mca\1033202\mca\1033202.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: collinsb



242+93.00

IL 10

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

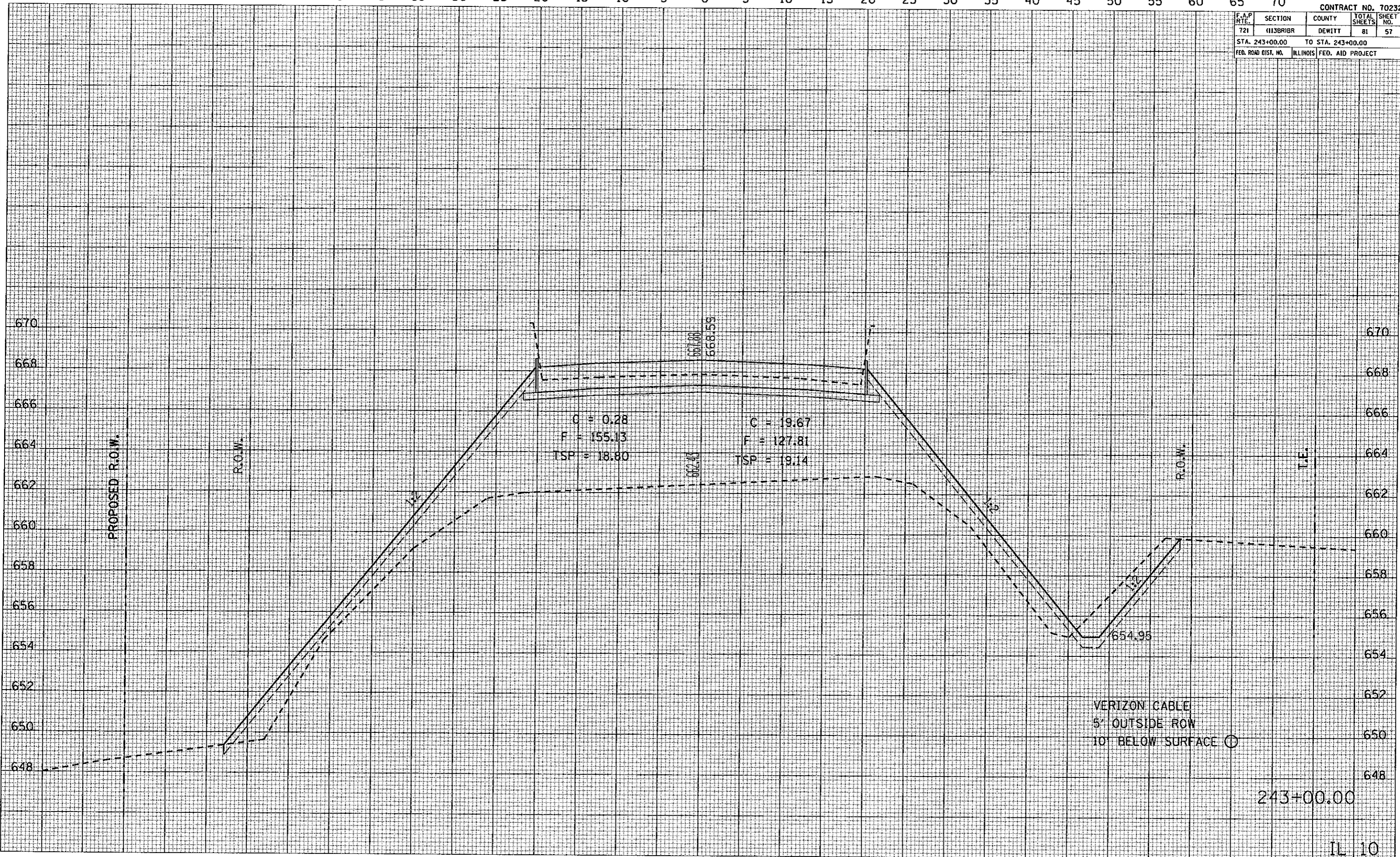
CONTRACT NO. 70232

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	57
STA. 243+00.00		TO STA. 243+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

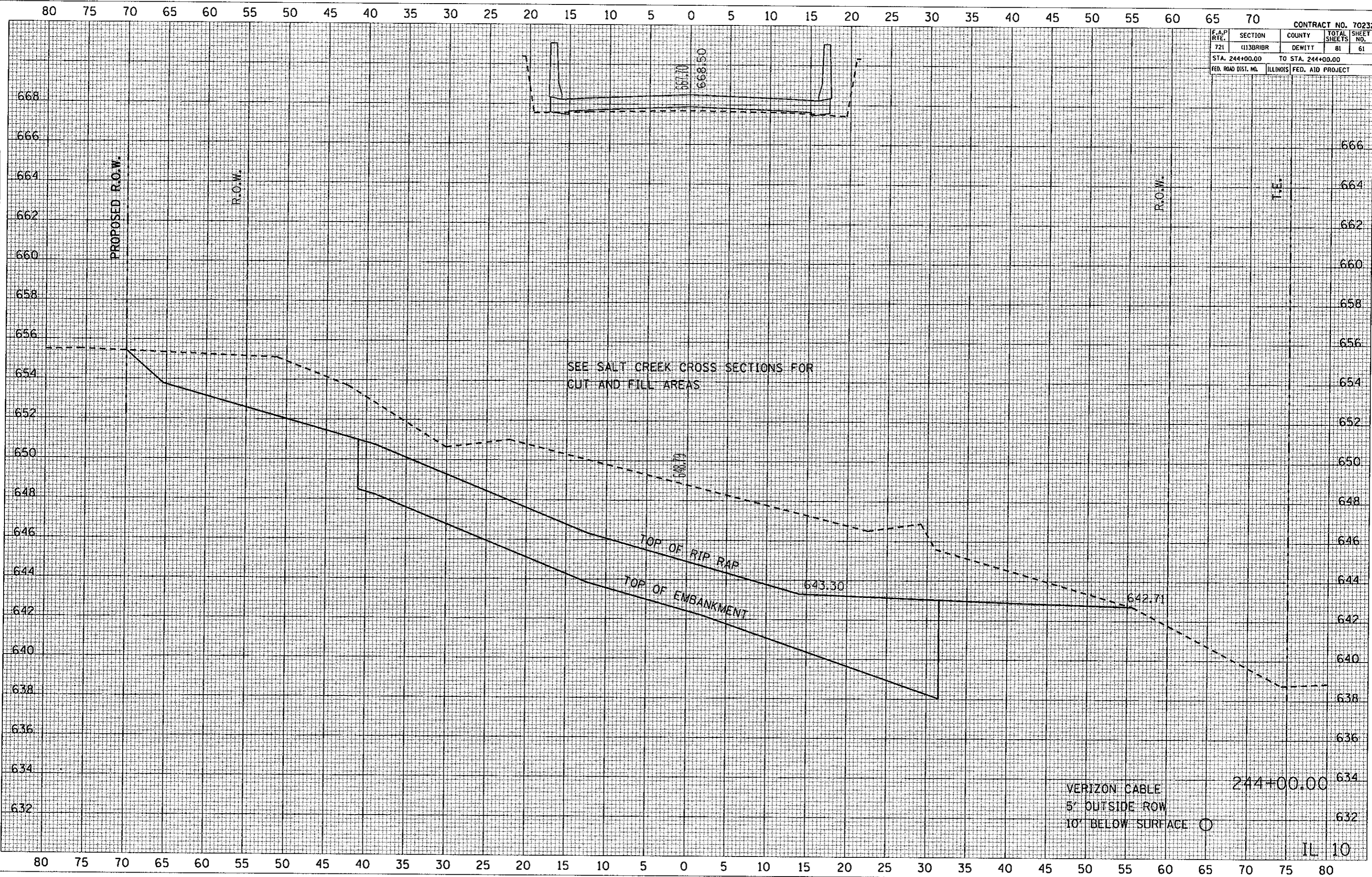
DATE	BY
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	BY
DESIGNED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

PLOT DATE = 8/18/2007
 FILE NAME = c:\pwworkspace\1033002\rd\1033002.dwg
 PLOT SCALE = 1/8" = 1' / IN.
 USER NAME = collinsb



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113DR1BR	DEWITT	81	61
STA. 244+00.00		TO STA. 244+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

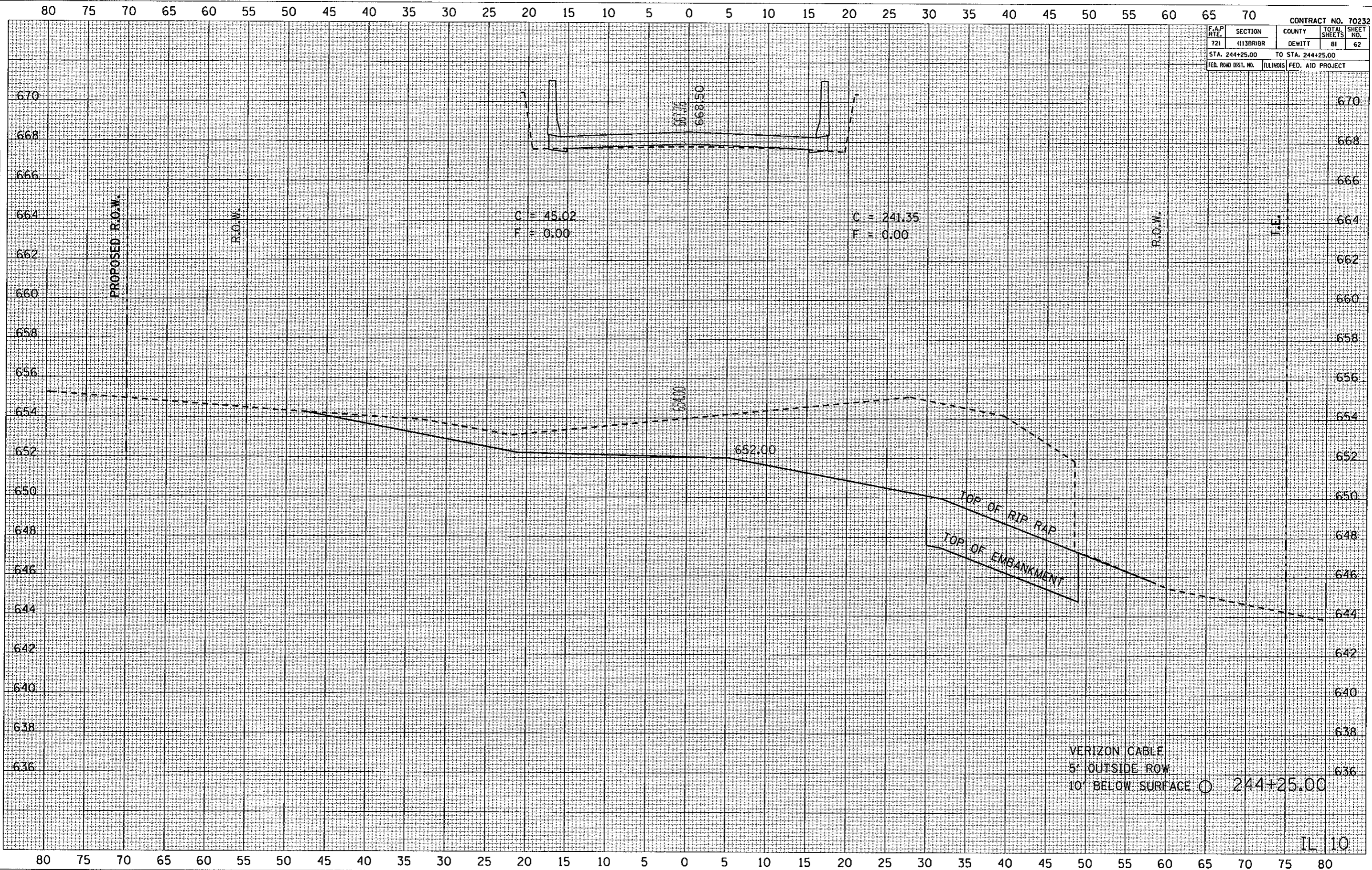


DATE	
BY	
DESIGNED	
PLOTTED	
NOTE BOOK	
NO.	

DATE	
BY	
DESIGNED	
PLOTTED	
NOTE BOOK	
NO.	

PLOT DATE : 8/10/2007
 FILE NAME : c:\pwworkspace\70232\108011-18-07\108011-18-07.dwg
 PLOT SCALE : 1/8"=1'-0"
 USER NAME : collinsb

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113)R0BR	DEWITT	81	62
STA. 244+25.00		TO STA. 244+25.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FINAL SURVEY	BY	DATE
NO. _____	_____	_____
AREA CHECKED	_____	_____
NO. _____	_____	_____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	_____
AREA CHECKED	_____	_____
NO. _____	_____	_____

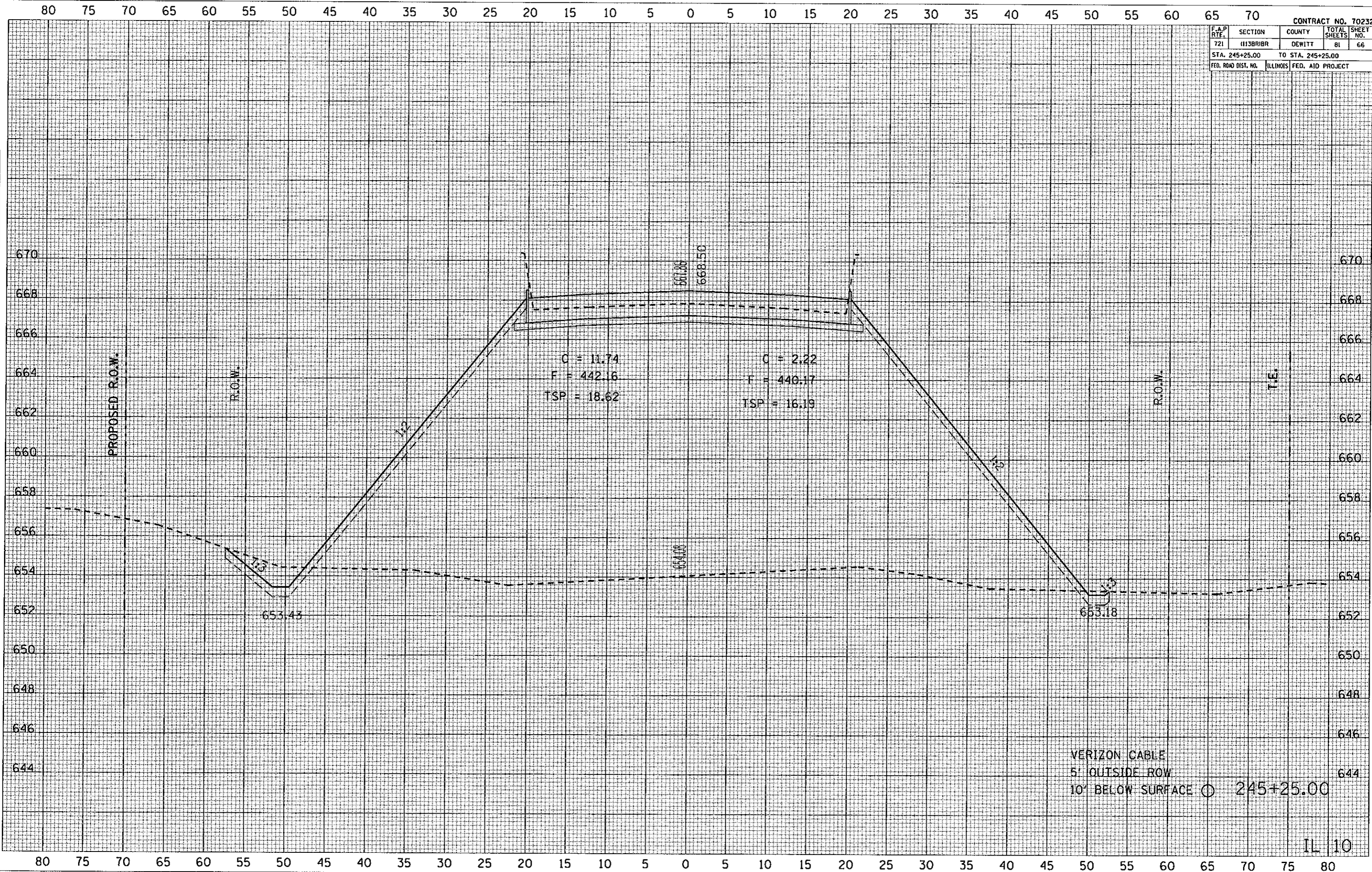
PLOT DATE = 8/19/2007
 PLOT SCALE = 1" = 40'
 USER NAME = collins-bv

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	1113BR1BR	DEWITT	81	66
STA. 245+25.00		TO STA. 245+25.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
DESIGNED	
PLOTTED	
RECALCULATED	
NOTED	
AS NOTED	

DATE	
BY	
DESIGNED	
PLOTTED	
RECALCULATED	
NOTED	
AS NOTED	

PLOT DATE: 8/18/2007
 FILE NAME: c:\p1\1113br1br\1113br1br.dwg
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: collinsb



80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

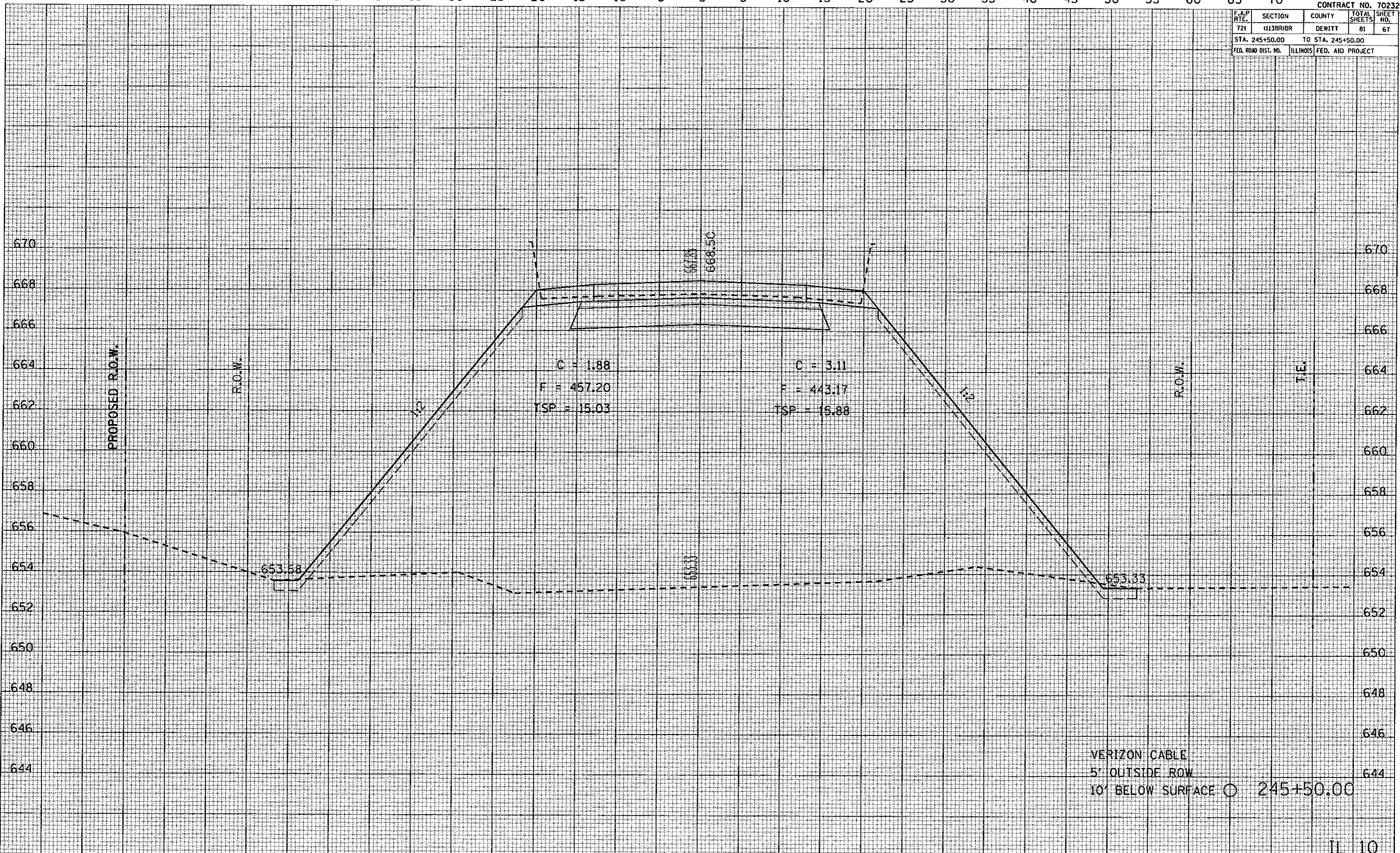
CONTRACT NO. 70232

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BRBR	DEWITT	81	67
STA. 245+50.00 TO STA. 245+50.00				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY

DATE	BY

PLOT DATE: 8/18/2007
 FILE NAME: C:\p01\113BRBR\113BRBR.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: collin



80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

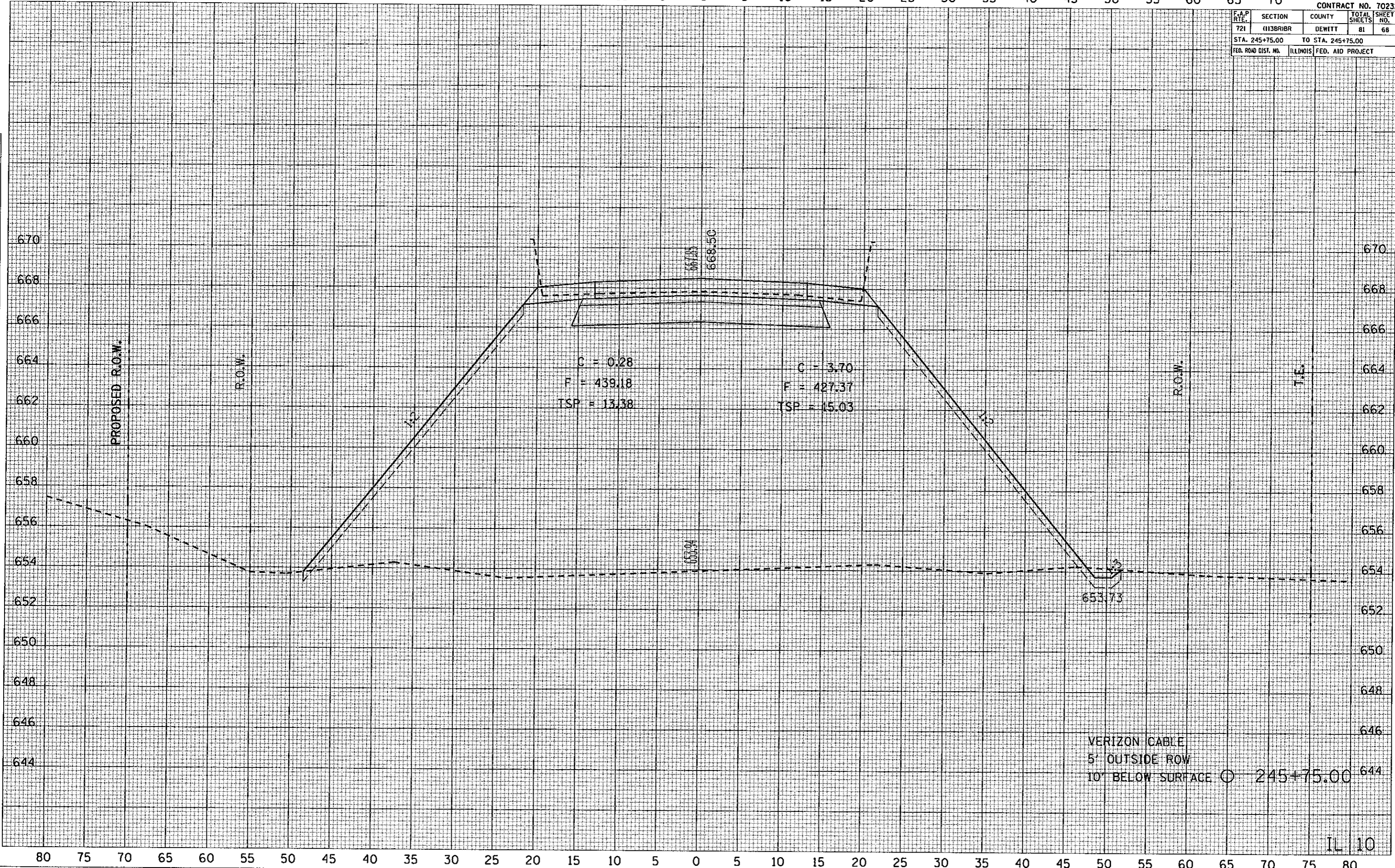
CONTRACT NO. 70232

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113)RIBR	DEWITT	81	68
STA. 245+75.00		TO STA. 245+75.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____

ORIGINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____
BY _____	_____
DATE _____	_____
NO. _____	_____

PLOT DATE: 8/12/2007
 FILE NAME: c:\work\113rib\113rib.dwg
 PLOT SCALE: 1/4" = 100'
 USER NAME: collinsb



PROPOSED R.O.W.

R.O.W.

R.O.W.

T.E.

C = 0.28
 F = 439.18
 TSP = 13.38

C = 3.70
 F = 427.37
 TSP = 15.03

VERIZON CABLE
 5' OUTSIDE ROW
 10' BELOW SURFACE ○ 245+75.00

IL 10

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

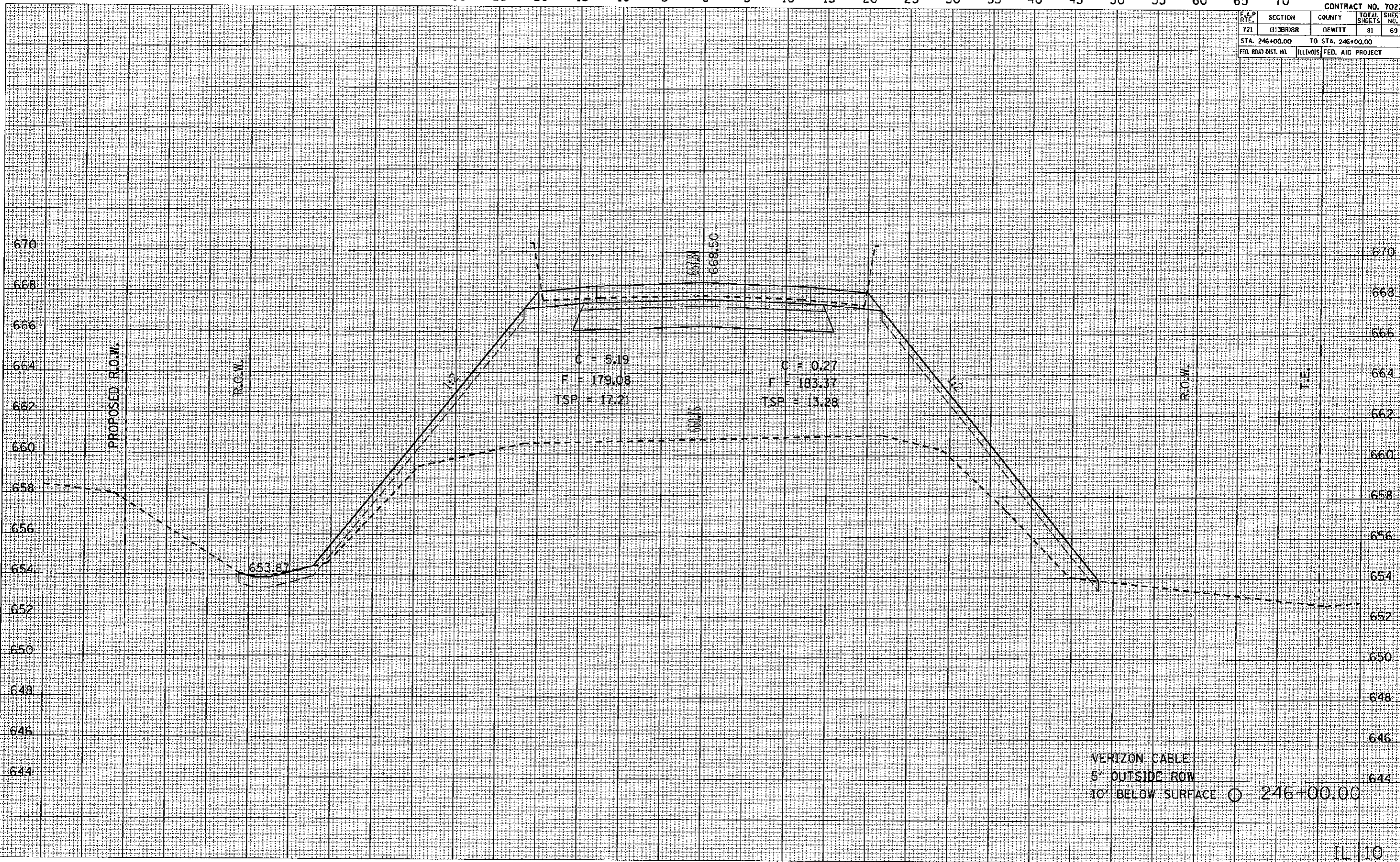
80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

CONTRACT NO. 70232	
F.A.P. NO. 721	SECTION 113BR1BR
COUNTY DEWITT	TOTAL SHEETS 81
STA. 246+00.00	TO STA. 246+00.00
FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT

DATE	BY

DATE	BY

PLOT DATE 8/18/2007
 FILE NAME c:\pwworkspace\113br1br\113br1br.dwg
 PLOT SCALE 1/8" = 1'-0"
 USER NAME collinb



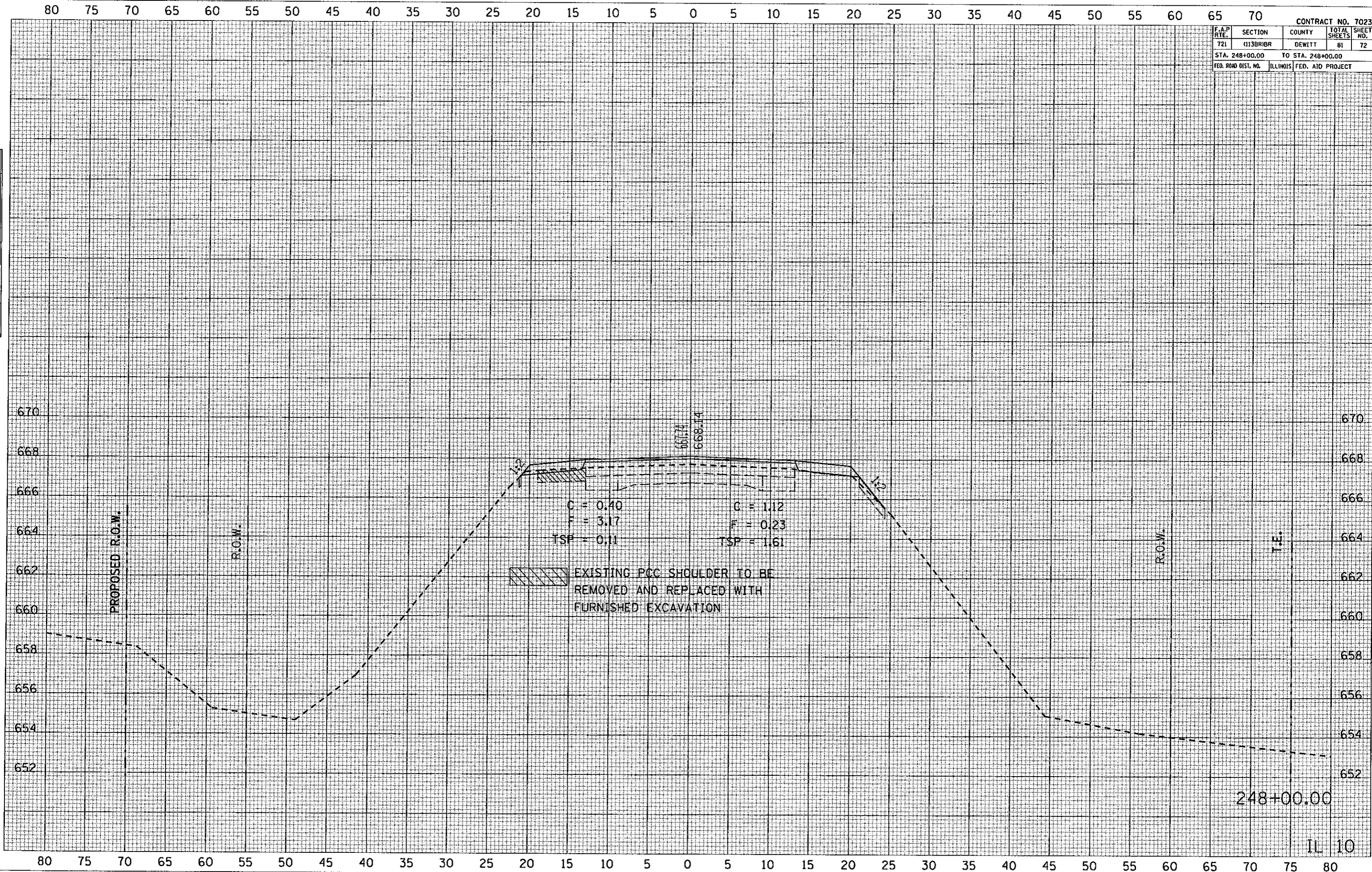
VERIZON CABLE
 5' OUTSIDE ROW
 10' BELOW SURFACE ○ 246+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BRIBR	DEWITT	81	72
STA. 248+00.00		TO STA. 248+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY

DATE	BY

PLOT DATE: 8/18/2007
 PLOT SCALE: 1" = 40'
 USER NAME: callahan



80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

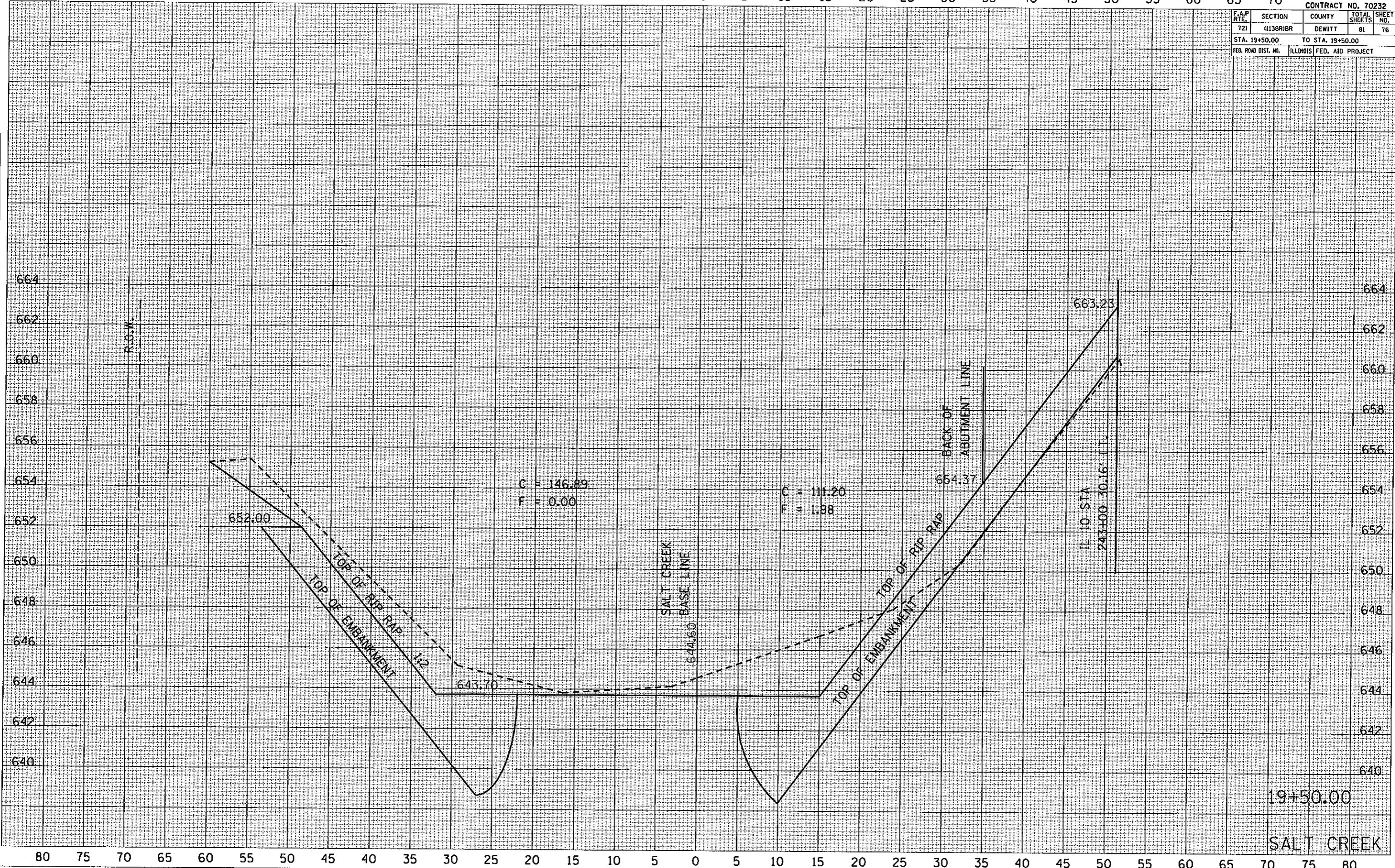
CONTRACT NO. 70232

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	(113R)R1R	DEWITT	81	76
STA. 19+50.00		TO STA. 19+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	BY

DATE	BY

PLOT DATE: 8/18/2007
 FILE NAME: c:\pwworkspace\10303002\10303002.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: collins



19+50.00

SALT CREEK

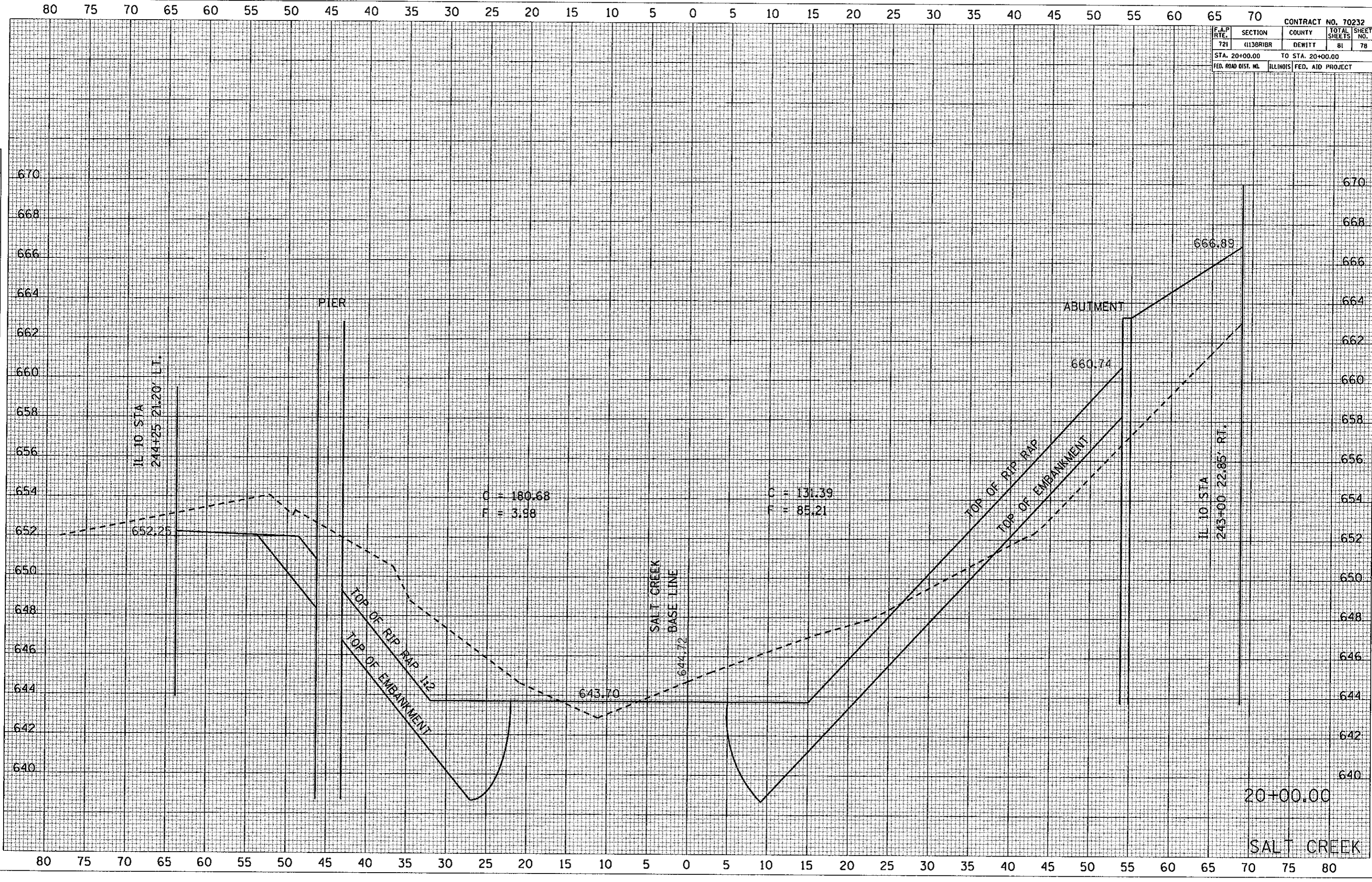
80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

F.A.P. R/YE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	11381BR	DEWITT	81	78
STA. 20+00.00		TO STA. 20+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

DATE	BY

DATE	BY

PLOT DATE: 6/10/2007
 PLOT SCALE: 1"=40'
 USER NAME: [unclear]



SALT CREEK

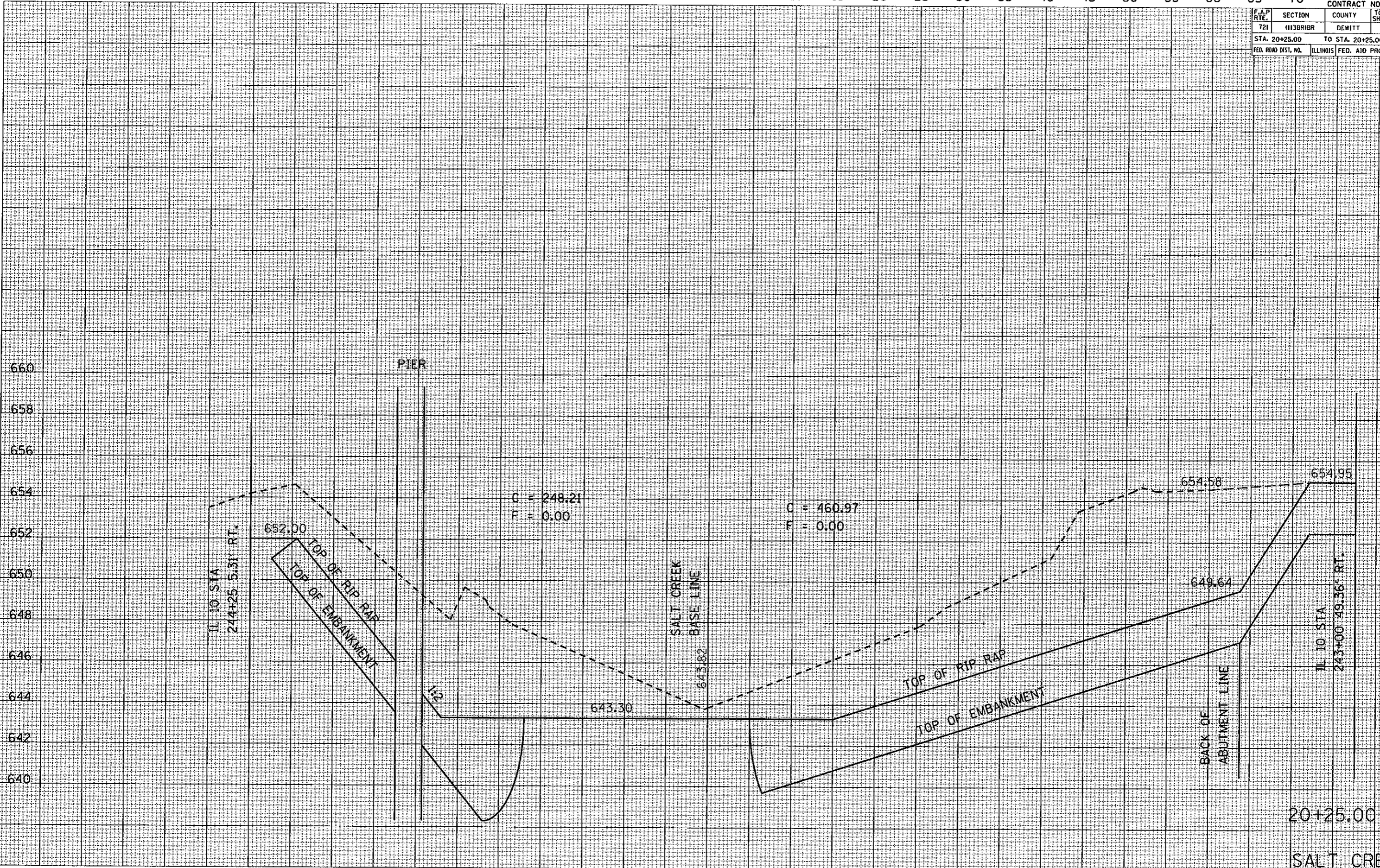
80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

CONTRACT NO. 70232	
F.A.P. RTE.	SECTION
721	113BRIBR
COUNTY	TOTAL SHEETS
DEWITT	81
STA. 20+25.00	TO STA. 20+25.00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS	
AREAS CHECKED	

PLOT DATE: 8/18/2007
 FILE NAME: c:\p\proj\20+25\20+25.dwg
 USER: J. J. JENSEN
 USER DATE: 8/18/2007



80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

20+25.00
 SALT CREEK

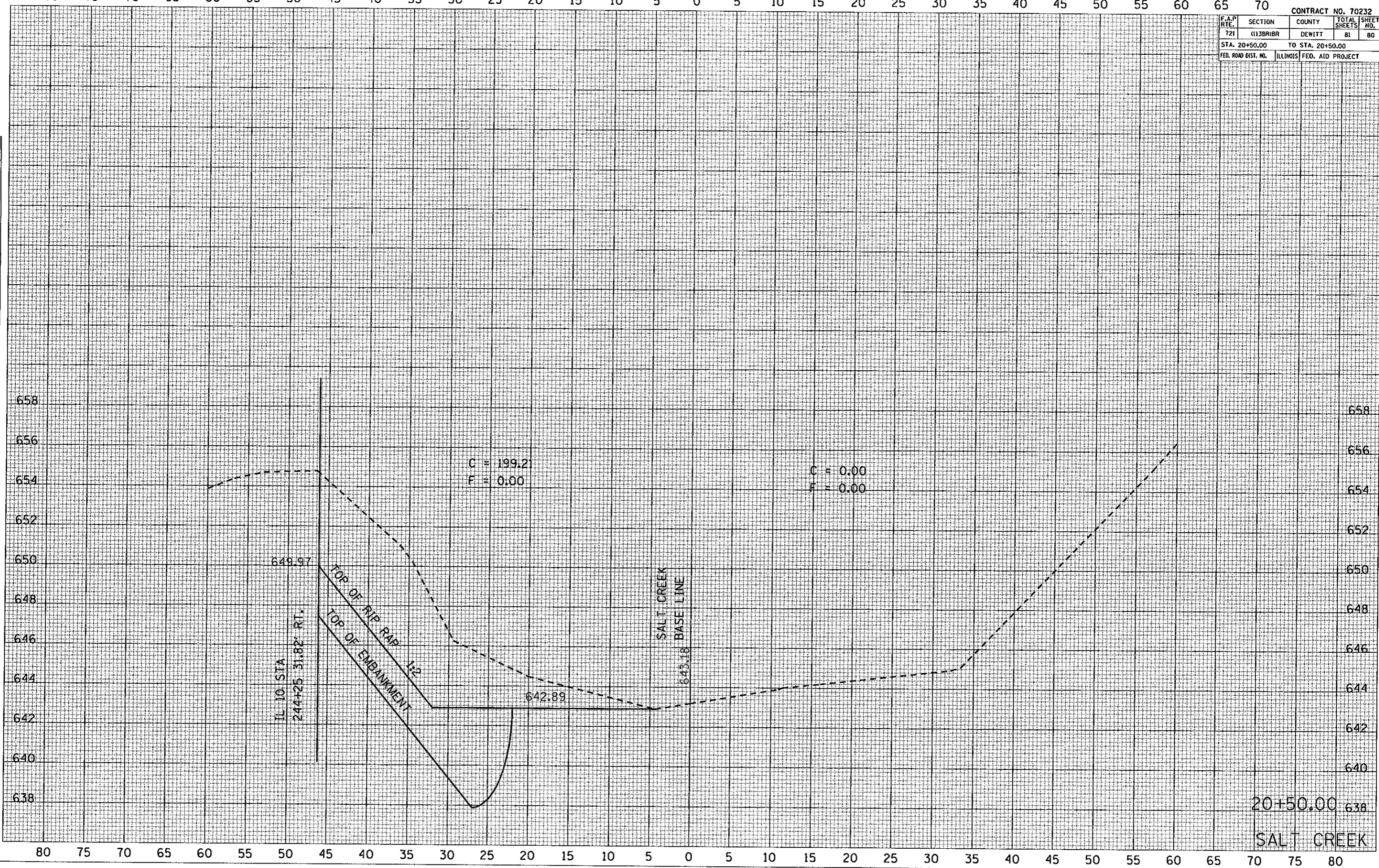
80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

CONTRACT NO. 70232				
F.A.P. R/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113BR1BR	DEWITT	81	80
STA. 20+50.00		TO STA. 20+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
NOTED BOOK		
AREAS CHECKED		
DATE		

ORIGINAL SURVEY	BY	DATE
NOTED BOOK		
AREAS CHECKED		
DATE		

PLOT DATE = 8/10/2007
 FILE NAME = I:\60302\60302\60302.dwg
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = collins



20+50.00
 SALT CREEK

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80

80 75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

CONTRACT NO. 70232	
F.A.P. RYE.	SECTION
721	(113BR1R)
COUNTY	DEWITT
TOTAL SHEETS	81
SHEET NO.	81
STA. 20+75.00	TO STA. 20+75.00
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
FILE NAME	PLOTTED		
FILE SCALE	TEMPERATURE		
USER NAME	AREAS CHECKED		

PLOT DATE: 8/18/2007
 FILE NAME: s:\projects\113BR1R\113BR1R.dwg
 FILE SCALE: 1/8" = 1'-0"
 USER NAME: jcollins

