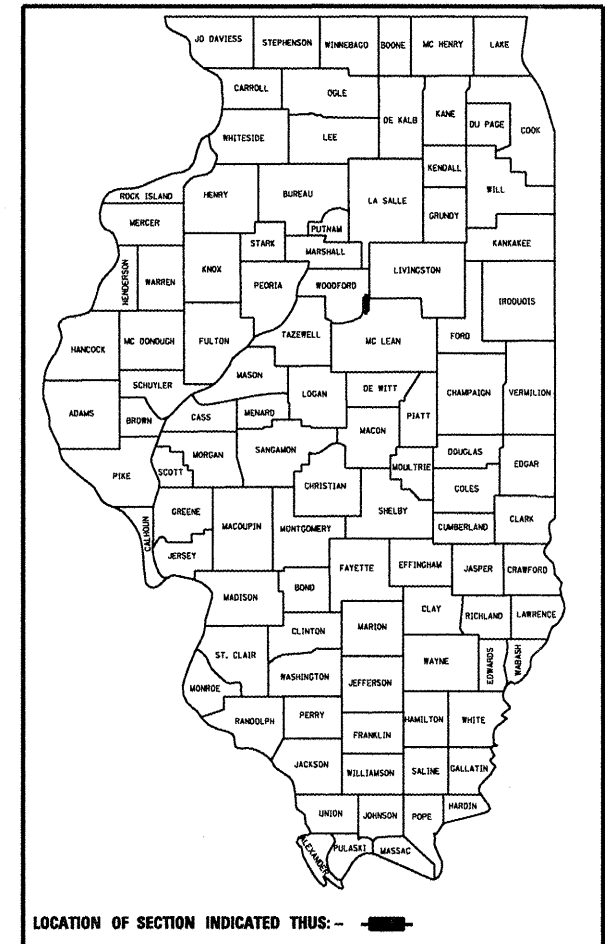


F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	1

D-94-041-06



LOCATION OF SECTION INDICATED THUS: - [Black Box] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.S. ROUTE 1360 (IL 251)
SECTION 631
PROJECT ACRS-1360(105)
WOODFORD COUNTY
C-94-048-06

INDEX OF SHEETS

1. COVER SHEET
- 2.-3. COMMITMENTS, STATUS OF UTILITIES, GENERAL NOTES, JOB SPECIFIC NOTES
- 4.-5. SUMMARY OF QUANTITIES
- 6.-7. TYPICAL SECTIONS
- 8.-10. SCHEDULE OF QUANTITIES
11. BENCHMARKS & RECOVERY TIES
12. IL 251 ROADWAY PLAN & PROFILE
13. TRAFFIC CONTROL DETOUR PLAN
14. EROSION CONTROL /LANDSCAPE PLAN
- 15.-16. STRUCTURE PLANS
17. UNSUITABLE EXCAVATION TREATMENT DETAIL FOR BOX CULVERT
- 18.-19. DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERT
20. BUTT JOINT AND HMA BINDER COURSE TAPER DETAIL
21. FIELD TILE JUNCTION VAUL DETAIL
- 22.-27. DISTRICT STANDARDS
- 28.-31. CROSS SECTIONS
HIGHWAY STANDARDS

HIGHWAY STANDARDS

- 280001-04 604001-02 701901
- 482011-03 667101 780001-01
- 515001-02 701301-02 781001-02
- 602601-01 701311-02 BLR 21-7

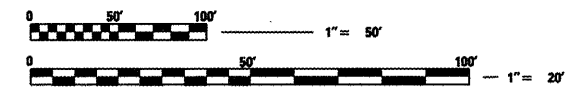
DISTRICT STANDARDS

- 205001 - D4 667101 - D4
- 280001 - D4 780001 - D4
- 440001 - D4

DESIGN DESIGNATION

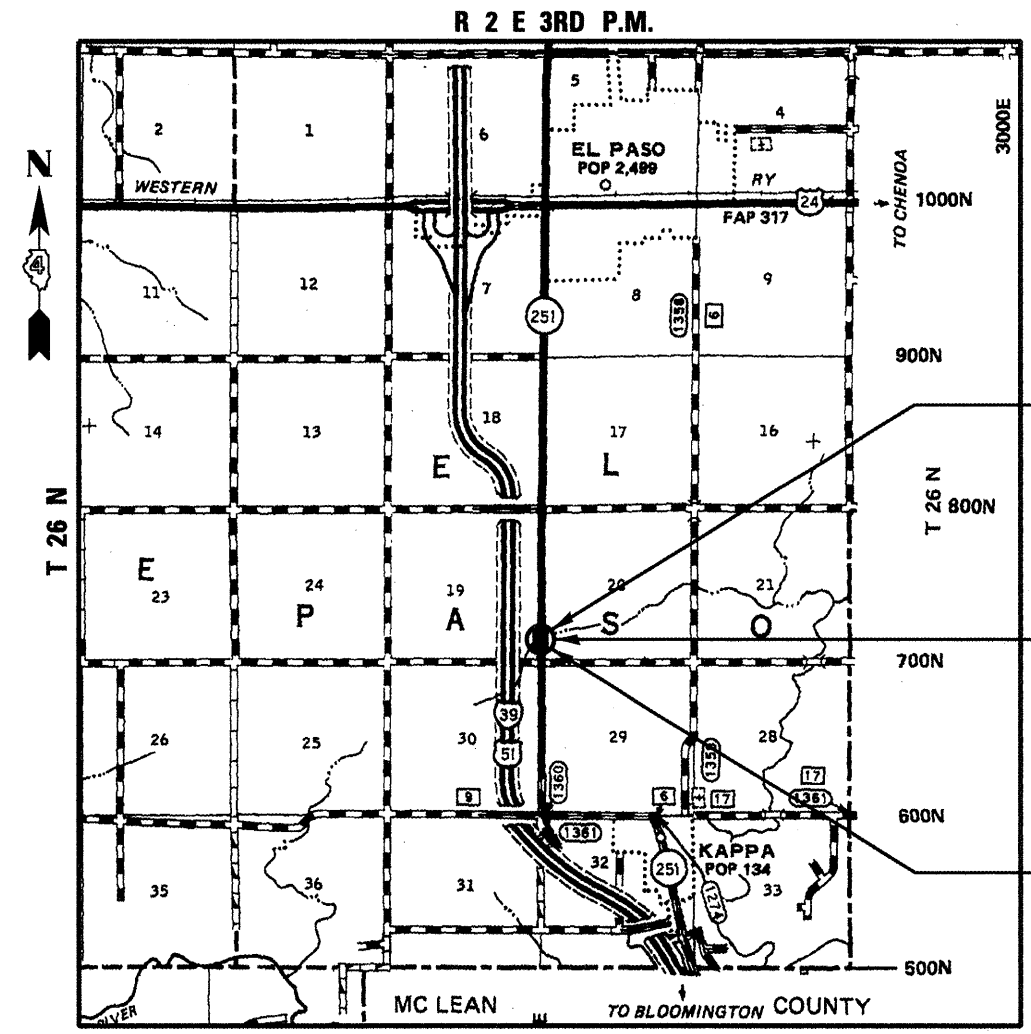
- MAJOR COLLECTOR (NON-URBAN)
- ADT = 1,050 (2005)
- MU = 2.0% (2005)
- SU = 4.0% (2005)

SCALES



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

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



THIS WORK CONSISTS OF REMOVAL AND REPLACEMENT OF BOX CULVERT CARRYING IL 251 OVER UNNAMED DRAINAGE DITCH (S.N. 102-2002 (EXISTING); S.N. 102-2028 (NEW)), 2.8 MILES SOUTH OF US 24 AT EL PASO & OTHER COLLATERAL WORK.

PROPOSED PROJECT ENDS
STATION 727+05.00

PROPOSED SECTION 631; S. N. 102-2028 WHICH CARRIES IL 251 OVER UNNAMED DRAINAGE DITCH; DOUBLE 8' X 4' REINFORCED CONCRETE BOX CULVERT; 69'-3 1/2" BK.-BK. HEADWALLS; SKEW = 30° RIGHT FORWARD STATION 725+15.00

PROPOSED PROJECT BEGINS
STATION 723+25.00

SCALE : [Graphic Scale] = 1 MILE
GROSS LENGTH = NET LENGTH = 380 FT. = 0.07 MILES

PROJECT ENGINEER: M. ADDIS (309) 671-3454

DESIGNER: M. MOHAMED (309) 671-3462

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Aug 14 20 08*
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 3, 20 08
Eric E. Harn
ENGINEER OF DESIGN AND ENVIRONMENT

October 3, 20 08
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

CONTRACT NO. 68574

CATALOG NO. 033202-00D

COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

PROPERTY OWNER MR. DENNIS CLEARY
 A COMMITMENT WAS MADE THAT MR. CLEARY WILL BE CONTACTED AT (309) 527-5272 TO LOCATE FIELD TILE PRIOR TO THE REMOVAL OF INLET. ALL FIELD TILE INTERCEPTED WILL BE REPLACED WITH STORM SEWER PIPE OF EQUIVALENT DIAMETER. REMOVAL OF EXISTING CLAY TILE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR EXPLORATION TRENCH 52" DEPTH.

404 PERMIT – THE CONTRACTOR MUST MEET THE REQUIREMENTS STIPULATED UNDER THE 404 PERMIT TYPE NATIONWIDE #14 AND ADDITIONAL REQUIREMENTS AS STATED (SEE SPECIAL PROVISIONS). THIS PERMIT EXPIRES ON 08/01/2010. PERMIT NO. CEMVR-OD-P-2008-891.

SECTION 401 WATER QUALITY CERTIFICATIONS – THE CONTRACTOR MUST MEET THE REQUIREMENTS STIPULATED IN THE FACT SHEET INCLUDED WITH THE NATIONWIDE PERMIT (SEE SPECIAL PROVISIONS).

STATUS OF UTILITIES

FAIRPOINT COMMUNICATIONS

LOCATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
IL 251 STA. 724+70 TO STA. 725+25	50' RT	BURIED TELEPHONE CABLE	CULVERT	CAUTION

CORN BELT ENERGY CORPORATION

LOCATION	OFFSET	TYPE OF UTILITY	TYPE OF CONFLICT	DISPOSITION
IL 251 STA. 723+25 TO STA. 727+05	59' RT	AERIAL ELECTRIC	RECONSTRUCTION	CAUTION

GENERAL NOTES

SOILS REPORT AVAILABILITY

ALL SOILS DATA COLLECTED AND PROCESSED FOR THE SOILS REPORT MADE IN CONJUNCTION WITH THE DESIGN OF THIS IMPROVEMENT IS ON FILE AT THE DISTRICT OFFICE WHERE IT IS AVAILABLE FOR INSPECTION BY CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT HAS BEEN MADE AVAILABLE AND IS AWARE OF THE REPORT CONTENTS AND APPENDICES.

UTILITIES – LOCATIONS/INFORMATION ON PLANS

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN — ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

GENERAL NOTES (CONTINUED)

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- * BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- * A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- * SIGNED PROPERTY OWNER AGREEMENT FORM – D4 PI0100
- * COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- * BORROW AREA ENTRY AGREEMENT FORM – D4 PI0101

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

AVAILABILITY OF ELECTRONIC FILES

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

PLAN ELEVATIONS – U.S.G.S. MEAN SEA LEVEL DATUM

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

FILE NAME =	USER NAME = brucebn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMITMENTS, STATUS OF UTILITIES, GENERAL NOTES, JOB SPECIFIC NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\GEN\DRFT\STD&PLNS\SQA09-NEW\Activ	Contracts\68574\details.dgn	DRAWN -	REVISED -			1360	631	WOODFORD	31	2	
	PLOT SCALE = 100.0000 / IN.	CHECKED -	REVISED -			CONTRACT NO. 68574					
	PLOT DATE = 8/14/2008	DATE -	REVISED -			SHEET NO. 1 OF 2 SHEETS					
						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

GENERAL NOTES (CONTINUED)

PAVEMENT STATION NUMBERS & PLACEMENT

THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCH (20mm) WIDE, 5 INCHES (125mm) HIGH AND 5/8 INCH (15mm) DEEP.

THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 200 FEET (ENGLISH STATIONING) OR 100 METERS (METRIC STATIONING)

BOTTOM OF NUMBERS - 6 INCHES (150mm) FROM THE INSIDE EDGE OF THE PAVEMENT MARKING

LOCATION:

- * 2, 3 & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS
- * MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS
- * RAMPS - ALONG BASELINE EDGE OF PAVEMENT

POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER

FORMAT - ENGLISH (METRIC) PAVEMENT STATIONS SHALL USE THIS FORMAT "XXX (XX+X00)" WHERE X REPRESENTS THE PAVEMENT STATION

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE COST OF ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

CURING TIME FOR HOT-MIX ASPHALT LIFTS

THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR VARIOUS BITUMINOUS LIFTS.

BUTT JOINT CUTTING TIME RESTRICTION

BUTT JOINTS SHALL NOT BE MILLED MORE THAN THREE DAYS PRIOR TO PLACEMENT OF THE BITUMINOUS SURFACE COURSE.

ENGINEERS FIELD OFFICE

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02 (i) AND 670.04 (a): ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

STABILIZATION OF TYPE III BARRICADES

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE(S):	SURFACE COURSE	HMA BASE COURSE & BINDER COURSE
ACPG:	PG 64-22	PG 64-22
RAP % (MAX)**:	15%	25%
DESIGN AIR VOIDS:	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19.0
FRICITION AGGREGATE:	MIXTURE D	N.A.

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED; THIS WILL BE DETERMINED BY THE ENGINEER.

JOB SPECIFIC NOTES

PAVEMENT REMOVAL

THE CONTRACTOR SHALL REMOVE THE EXISTING PAVEMENT AS IS SHOWN ON THE TYPICAL SECTIONS, WHICH VARIES BETWEEN 20 INCHES AND 23 INCHES THICK, AND ALL WORK SHALL BE INCLUDED IN THE COST OF "PAVEMENT REMOVAL". NO FURTHER ADJUSTMENT WILL BE MADE FOR VARIATIONS IN PAVEMENT THICKNESS.

REMOVAL OF EXISTING STRUCTURES

THE CONTRACTOR SHALL REMOVE THE EXISTING DOUBLE BOX CULVERT AND RETAINING WALL IN THEIR ENTIRETY. THE CONTRACTOR SHALL ALSO REMOVE THE WINGWALLS, HEADWALLS AND A 2-FOOT SPAN OF THE EXISTING SINGLE BOX CULVERT AT EACH END. ALL WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR REMOVAL OF EXISTING STRUCTURES AT THE LOCATIONS DESIGNATED ON THE PLANS.

REMOVING INLETS

THE CONTRACTOR SHALL REMOVE THE EXISTING INLET AND SALVAGE THE CASTING TO REUSE IT FOR THE NEW FIELD TILE JUNCTION VAULT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, STORING AND PROTECTING THE CASTING OR REPLACING IT IN THE EVENT OF DAMAGE AT NO ADDITIONAL COST TO THE DEPARTMENT.

TRAFFIC CONTROL AND PROTECTION (SPECIAL)

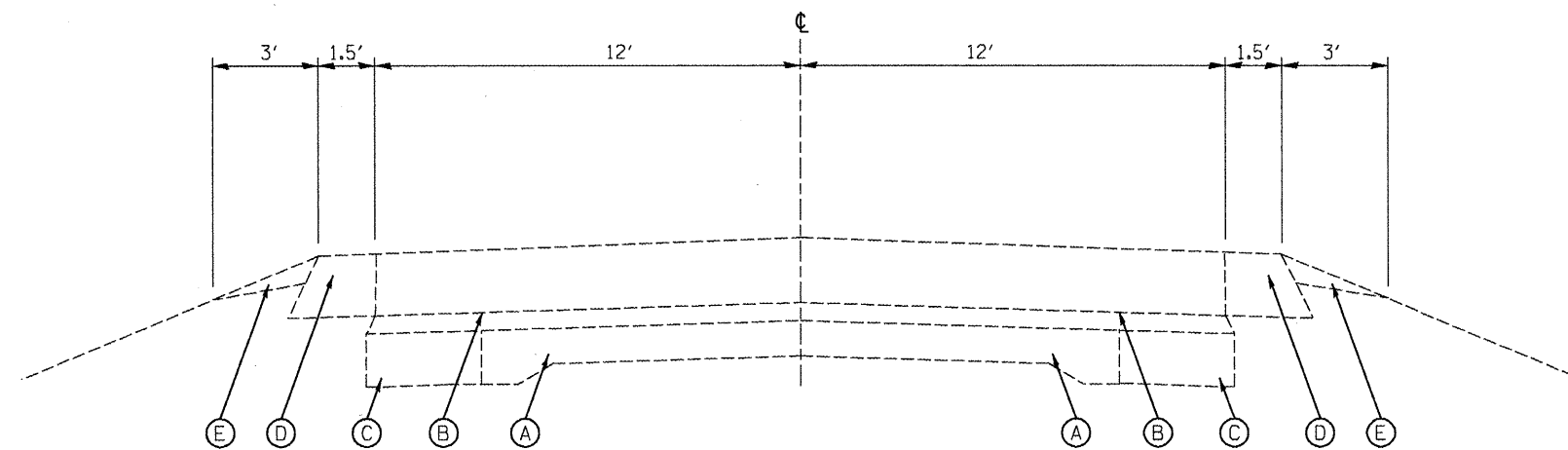
THERE WILL BE ANOTHER ONGOING CONTRACT WITH A DETOUR ON IL 251 WHICH MAY CAUSE SOME OF THIS CONTRACT'S SIGNS TO CONFLICT DURING THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE TO ALTER OR RELOCATE ANY CONFLICTING SIGNS TO PREVENT CONFUSION. THE CONTRACTOR WILL NOT NEED TO ALTER OR RELOCATE MORE THAN SIX SIGNS. ALL WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	Y007 80/20 FED/STATE
20200100	EARTH EXCAVATION	CU YD	209	209
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	38	38
20400800	FURNISHED EXCAVATION	CU YD	358	358
20700110	POROUS GRANULAR EMBANKMENT	TON	140	140
20800150	TRENCH BACKFILL	CU YD	40	40
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	171	171
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	257	257
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	<i>POUND</i>	68	68
25000500	PHOSPHORUS FERTILIZER NUTRIENT	<i>POUND</i>	68	68
25000600	POTASSIUM FERTILIZER NUTRIENT	<i>POUND</i>	68	68
25100115	MULCH, METHOD 2	ACRE	0.75	0.75
25100630	EROSION CONTROL BLANKET	SQ YD	403	403
28000250	TEMPORARY EROSION CONTROL SEEDING	<i>POUND</i>	100	100
28000300	TEMPORARY DITCH CHECKS	EACH	8	8
28000400	PERIMETER EROSION BARRIER	FOOT	584	584
28000500	INLET AND PIPE PROTECTION	EACH	2	2
28100209	STONE RIPRAP, CLASS A5	TON	118	118
28200200	FILTER FABRIC	SQ YD	188	188
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	103	103
35501450	HOT - MIX ASPHALT BASE COURSE	TON	42	42
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.8	0.8
40600300	AGGREGATE (PRIME COAT)	TON	2	2
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	450	450
40600990	TEMPORARY RAMP	SQ YD	126	126
40603080	HOT - MIX ASPHALT BINDER COURSE, IL - 19.0, N50	TON	200	200

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	Y007 80/20 FED/STATE	X028-2A 100% STATE
40603335	HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	128	128	
44000100	PAVEMENT REMOVAL	SQ YD	150	150	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	87	87	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	27,340	27,340	
51500100	NAME PLATES	EACH	1	1	
54003000	CONCRETE BOX CULVERTS	CU YD	100.2	100.2	
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	106	106	
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	24	24	
60500060	REMOVING INLETS	EACH	1	1	
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	110	110	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	1	1	
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5	5	
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	5	5	
67100100	MOBILIZATION	L SUM	1	1	
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	120	120	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	855	855	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14	14	
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	855	855	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5	5	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	5	5	
X2503100	MOWING	UNIT	3		3
X0326185	FIELD TILE JUNCTION VAULT, 4' DIA.	EACH	2	2	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	



EXISTING ROADWAY TYPICAL
 STA. 723+25 TO STA. 727+05

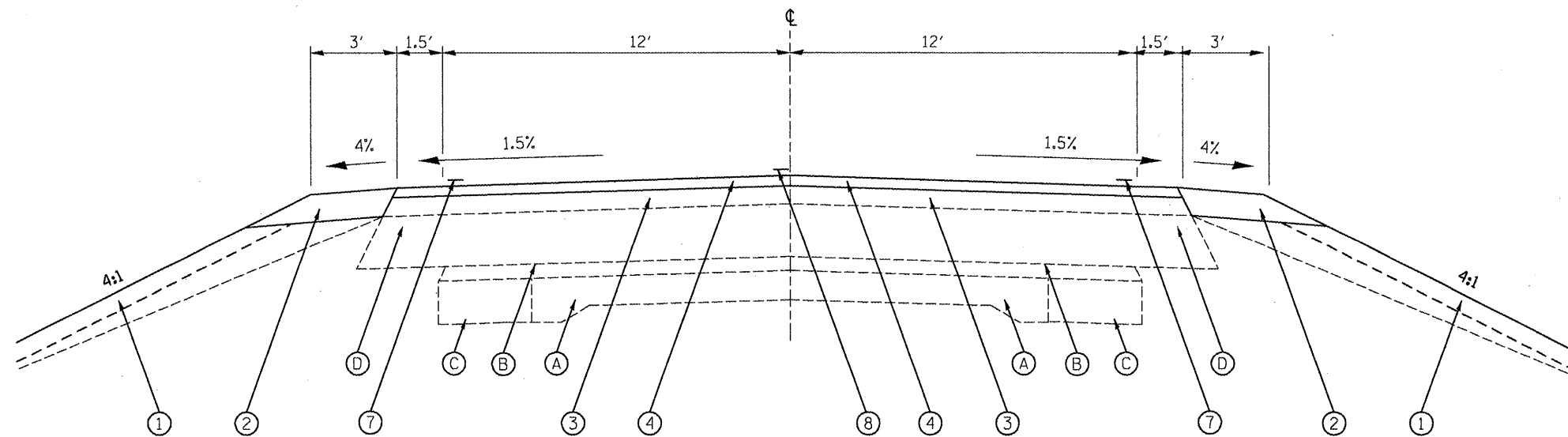
LEGEND - PROPOSED

- ① TOPSOIL EXCAVATION AND PLACEMENT - 4"
- ② AGGREGATE SHOULDERS, TYPE B - 6"
- ③ HMA BINDER COURSE - 4"
- ④ HMA SURFACE COURSE - 2"
- ⑤ HMA BASE COURSE - 5"
- ⑥ SUB-BASE GRAN MAT, TYPE B - 12"
- ⑦ PAINT PVMT MARKING - LINE 4" (SOLID WHITE)
- ⑧ PAINT PVMT MARKING - LINE 4" (YELLOW SKIP-DASH)

LEGEND - EXISTING

- Ⓐ 9" PCC PAVEMENT
- Ⓑ HMA OVERLAY
- Ⓒ 9" PCC BASE COURSE WIDENING
- Ⓓ HMA SHOULDER
- Ⓔ AGGREGATE SHOULDER

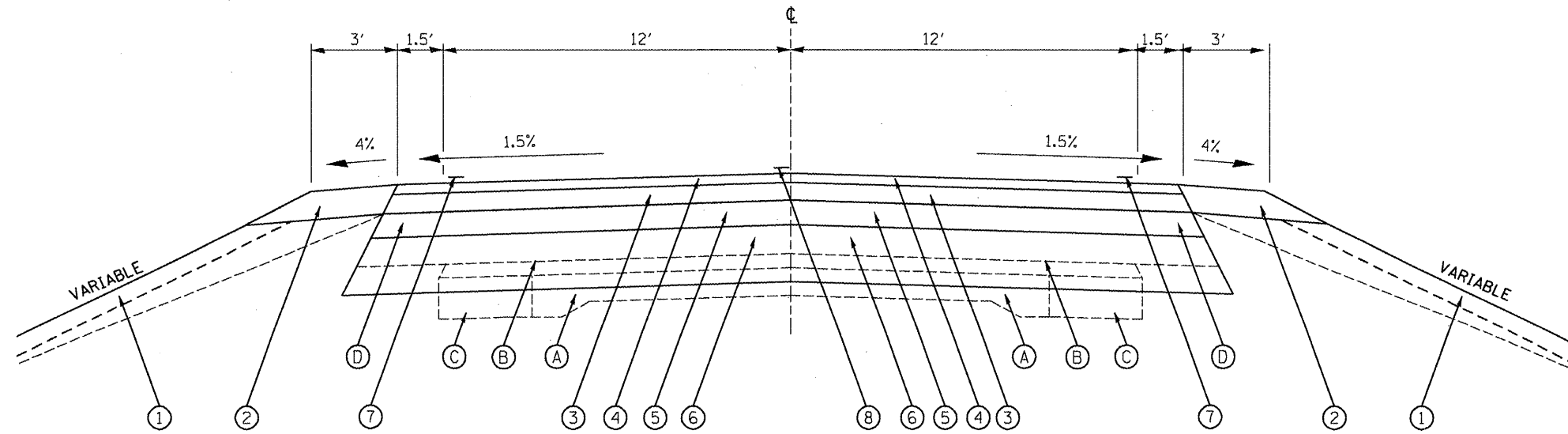
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SA\GEN\DRAW\STD&PLNS\SQUAD9-NEW\Activ	Contracts\68574\details.dgn	DRAWN -	REVISED -					1360	631	WOODFORD	31	6
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -		NOT TO SCALE			SHEET NO. 1 OF 2 SHEETS		STA. 723+25 TO STA. 727+05	CONTRACT NO. 68574	
	PLOT DATE = 8/14/2008	DATE -	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					



PROPOSED ROADWAY TYPICAL
 STA. 723+25 TO STA. 724+90
 STA. 725+40 TO 727+05

LEGEND - PROPOSED

- ① TOPSOIL EXCAVATION AND PLACEMENT - 4"
- ② AGGREGATE SHOULDERS, TYPE B - 6"
- ③ HMA BINDER COURSE - 4"
- ④ HMA SURFACE COURSE - 2"
- ⑤ HMA BASE COURSE - 5"
- ⑥ SUB-BASE GRAN MAT, TYPE B - 12"
- ⑦ PAINT PVMT MARKING - LINE 4" (SOLID WHITE)
- ⑧ PAINT PVMT MARKING - LINE 4" (YELLOW SKIP-DASH)



PROPOSED ROADWAY TYPICAL
 STA. 724+90 TO STA. 725+40

LEGEND - EXISTING

- Ⓐ 9" PCC PAVEMENT
- Ⓑ HMA OVERLAY
- Ⓒ 9" PCC BASE COURSE WIDENING
- Ⓓ HMA SHOULDER
- Ⓔ AGGREGATE SHOULDER

FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.S. -	SECTION	COUNTY	TOTAL	SHEET
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 68574							
	PLOT DATE = 8/14/2008	DATE -	REVISED -		NOT TO SCALE	SHEET NO. 2 OF 2 SHEETS	STA. 723+25 TO STA. 727+05	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

TEMPORARY DITCH CHECKS	
LOCATION	EACH
LT. STA. 723+45	1
LT. STA. 723+85	1
LT. STA. 726+15	1
LT. STA. 726+80	1
RT. STA. 723+45	1
RT. STA. 723+85	1
RT. STA. 726+15	1
RT. STA. 726+80	1
TOTAL	8

INLET AND PIPE PROTECTION	
LOCATION	EACH
35' RT. STA. 725+33	1
35' RT. STA. 725+33 (AS RELOCATED)	1
TOTAL	2

PERIMETER EROSION BARRIER	
LOCATION	FOOT
LT. STA. 723+27	36
LT. STA. 723+90 TO 58' LT. STA. 726+10	220
LT. STA. 727+03	36
RT. STA. 723+27	36
RT. STA. 724+00 TO 58' RT. STA. 726+20	220
RT. STA. 727+03	36
TOTAL	584

EROSION CONTROL BLANKET	
LOCATION	SQ YD
LT. STA. 724+00 TO LT. STA. 726+00	202
RT. STA. 724+00 TO RT. STA. 726+00	201
TOTAL	403

TEMPORARY EROSION CONTROL SEEDING	
LOCATION	LB
STA. 723+25 TO STA. 727+05	100
TOTAL	100

SEEDING CLASS 2A	
LOCATION	ACRE
STA. 723+25 TO STA. 727+05	0.75
TOTAL	0.75

MULCH, METHOD 2	
LOCATION	ACRE
STA. 723+25 TO STA. 727+05	0.75
TOTAL	0.75

EXPLORATION TRENCH 52" DEPTH	
LOCATION	FT
55' LT. STA. 724+79 TO 40' RT. STA. 725+33	110
TOTAL	110

ENGINEER'S FIELD OFFICE, TYPE B	
LOCATION	CAL MO
JOBSITE	5
TOTAL	5

ENGINEER'S FIELD LABORATORY	
LOCATION	CAL MO
JOBSITE	5
TOTAL	5

MOBILIZATION	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

PERMANENT SURVEY MARKERS, TYPE I	
LOCATION	EACH
RT. STA. 725+23	1
TOTAL	1

REMOVING INLETS*	
LOCATION	EACH
RT. STA. 724+33	1
TOTAL	1

*EXISTING CASTING IS TO BE SALVAGED

EARTH WORK SCHEDULE					
LOCATION	EARTH EXCAV.	ADJUSTED FOR SHRINKAGE*	EMBANKMENT	TOPSOIL EXC & PLAC	EARTH BALANCE FURNISHED EXC(-) WASTE(+)
	CU YD	CU YD	CU YD	CU YD	CU YD
RT. STA. 723+25 TO STA. 724+00	10.2	7.7	3.3	14.3	-9.9
LT. STA. 723+25 TO STA. 724+00	6.9	5.2	7.0	14.6	-16.4
RT. STA. 724+00 TO STA. 724+71	11.1	8.3	47.9	27.4	-67.0
LT. STA. 724+00 TO STA. 724+71	24.0	18.0	29.5	27.7	-39.2
RT. STA. 724+71 TO STA. 724+79	1.3	1.0	7.2	3.2	-9.4
LT. STA. 724+71 TO STA. 724+79	4.8	3.6	9.8	3.1	-9.3
RT. STA. 724+79 TO STA. 725+00	6.2	4.7	8.3	9.0	-12.7
LT. STA. 724+79 TO STA. 725+00	19.2	14.4	27.8	8.3	-21.7
RT. STA. 725+00 TO STA. 725+15	4.6	3.5	7.3	6.5	-10.3
LT. STA. 725+00 TO STA. 725+15	13.8	10.4	11.4	5.9	-6.9
RT. STA. 725+15 TO STA. 725+43	9.5	7.1	17	11.0	-20.9
LT. STA. 725+15 TO STA. 725+43	14.0	10.5	16.6	10.7	-16.8
RT. STA. 725+43 TO STA. 726+00	17.5	13.1	19.5	20.9	-27.3
LT. STA. 725+43 TO STA. 726+00	12.7	9.5	21	21.2	-32.6
RT. STA. 726+00 TO STA. 727+00	30.0	22.5	10.7	35.9	-24.1
LT. STA. 726+00 TO STA. 727+00	21.8	16.4	13.1	35.6	-32.3
RT. STA. 727+00 TO STA. 727+05	0.9	0.7	0.1	0.9	-0.3
LT. STA. 727+00 TO STA. 727+05	0.7	0.5	0.1	0.9	-0.4
TOTAL	209	157	258	257	-358

*SHRINKAGE FACTOR ASSUMED TO BE 25%

FERTILIZER NUTRIENT SCHEDULE AND APPLICATION RATE			
LOCATION	NITROGEN	PHOSPHORUS	POTASSIUM
	LB	LB	LB
STA. 723+25 TO STA. 727+05	68	68	68
TOTAL	68	68	68
APPLICATION RATE	90 LB/ACRE EACH NUTRIENT		

TOPSOIL SURVEY (FOR INFORMATION ONLY)			
LOCATION	FORESLOPE	DITCH BOTTOM	BACKSLOPE
	INCH	INCH	INCH
LT. STA. 724+71	10	12	12
RT. STA. 724+71	8	10	10
LT. STA. 725+00	-	-	12
RT. STA. 725+00	8	-	8
LT. STA. 725+43	8	12	18
RT. STA. 725+43	8	-	16

STORM SEWER SCHEDULE			
LOCATION*	STORM SEWER CL A, TY 1 24"	FIELD TILE JUNC. VAULT 4' DIA.	TRENCH BACKFILL
	FOOT	EACH	CU YD
55' LT. STA. 724+79		1	
55' LT. STA. 724+79 TO 38' RT. STA. 725+33	106		13
38' RT. STA. 725+33		1	
TOTAL	106	2	13

*STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED IN THE FIELD

RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION	EACH
☉ STA. 723+25 TO STA. 727+05	5
TOTAL	5

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	EACH
☉ STA. 723+25 TO STA. 727+05	5
TOTAL	5

TRAFFIC CONTROL AND PROTECTION (SPECIAL)	
LOCATION	L.SUM
JOBSITE	1
TOTAL	1

CONSTRUCTION LAYOUT	
LOCATION	L. SUM
JOBSITE	1
TOTAL	1

TABULATION OF RESURFACING QUANTITIES										
LOCATION	HMA BASE CSE	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE REMOVAL - BUTT JOINT	HMA BINDER COURSE, IL-19.0, N50	HMA SURFACE CSE, MIX "D", N50	AGGREGATE SHOULDERS, TYPE B		SUB-BASE GRAN. MAT. TYPE B	TEMPORARY RAMP
	TON	TONS	TONS	SQ YD	TONS	TONS	LT.	RT.	TON	SQ YD
STA. 723+25 TO STA. 724+00		0.43	0.3	225	28	25	8.6	8.6		63
STA. 724+00 TO STA. 724+40		0.04	0.2		21	13.5	4.6	4.6		
STA. 724+40 TO STA. 724+90		0.05	0.3		34	17	5.7	5.7		
STA. 724+90 TO STA. 725+40	42	0.07	0.4		34	17	5.7	5.7	103	
STA. 725+40 TO STA. 725+90		0.05	0.4		34	17	5.7	5.7		
STA. 725+90 TO STA. 726+30		0.04	0.2		21	13.5	4.6	4.6		
STA. 726+30 TO STA. 727+05		0.12	0.2	225	28	25	8.6	8.6		63
SUBTOTAL							43.5	43.5		
TOTAL	42	0.8	2.0	450	200	128	87		103	126

PRIME COAT APPLICATION RATES		
SURFACE TYPE	BIT MATLS	AGGREGATE
	GAL/SQ YD	LB/SQ YD
GRANULAR BASE	0.5	-
MILLED SURFACE	0.1	4
EXISTING PAVEMENT	0.05	4
FOG COAT	0.03	2

PAINT PAVEMENT MARKING - LINE 4"		
LOCATION	WHITE	YELLOW
	FOOT	FOOT
☉ STA. 723+25 TO STA. 727+05		95
LT. STA. 723+25 TO STA. 727+05	380	
RT. STA. 726+25 TO STA. 727+05	380	
SUBTOTAL	760	95
TOTAL	855	

SHORT-TERM PAVEMENT MARKING	
LOCATION	FT
STA. 723+25 TO STA. 727+05	40
X 3 APPLICATIONS	120
TOTAL	120

HMA AND AGGREGATE CONVERSION FACTORS (FOR INFORMATION ONLY)		
SURFACE TYPE	BIT MATLS	AGGREGATE
	LB/SQ YD/IN	TON/CU YD
HMA SURFACE COURSE	112	2.016
ALL OTHER HMA	112	2.016
AGGREGATE SHOULDERS	114	2.05

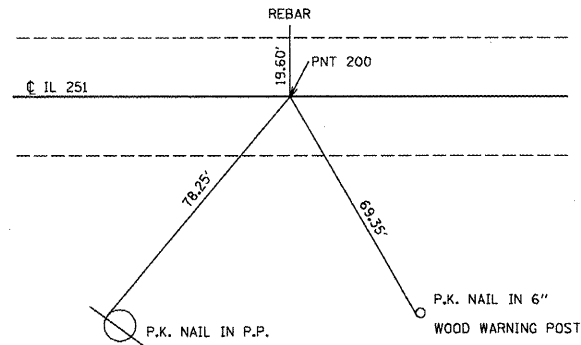
TEMPORARY PAVEMENT MARKING - LINE 4"		
LOCATION	WHITE	YELLOW
	FOOT	FOOT
☉ STA. 723+25 TO STA. 727+05		95
LT. STA. 723+25 TO STA. 727+05	380	
RT. STA. 726+25 TO STA. 727+05	380	
SUBTOTAL	760	95
TOTAL	855	

WORK ZONE PAVEMENT MARKING REMOVAL	
LOCATION	SQ FT
STA. 723+25 TO STA. 727+05	14
TOTAL	14

PAVEMENT REMOVAL	
LOCATION	SQ YD
STA. 724+70 TO STA. 725+40	150
TOTAL	150

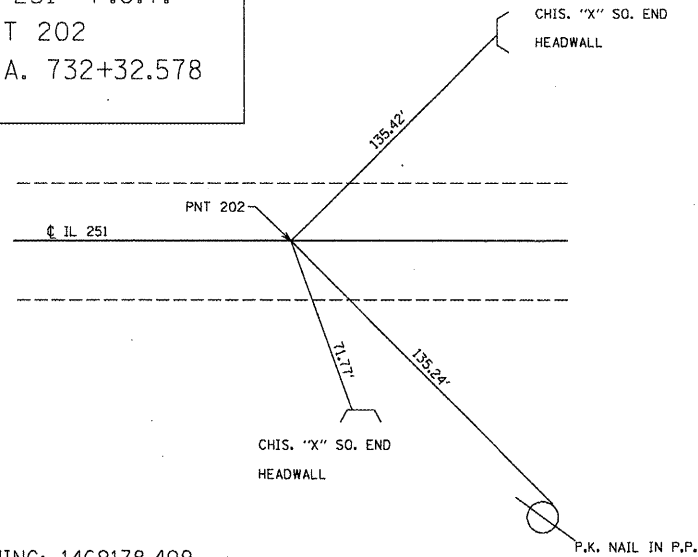
TIE POINTS

IL 251 P.O.T.
PNT 200
STA. 717+01.46



NORTHING: 1467647.372
EASTING: 792748.843

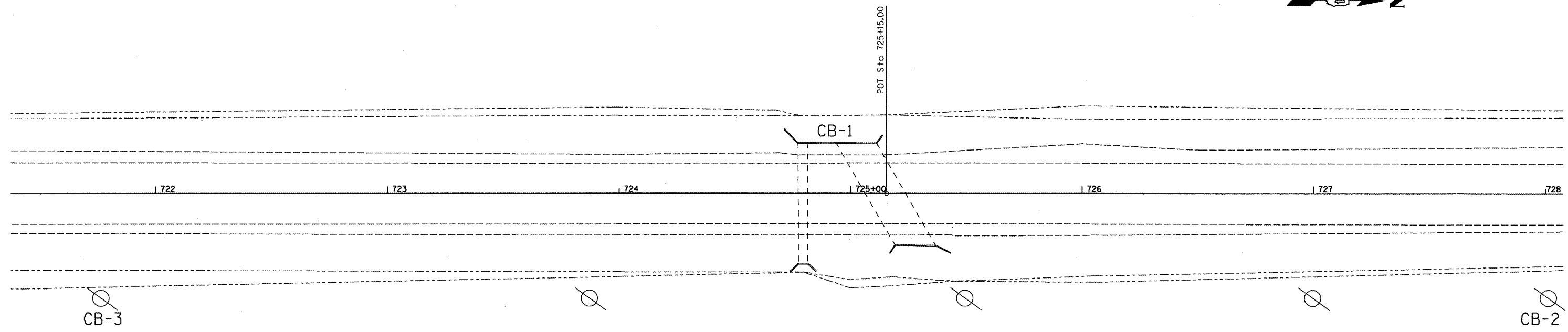
IL 251 P.O.T.
PNT 202
STA. 732+32.578

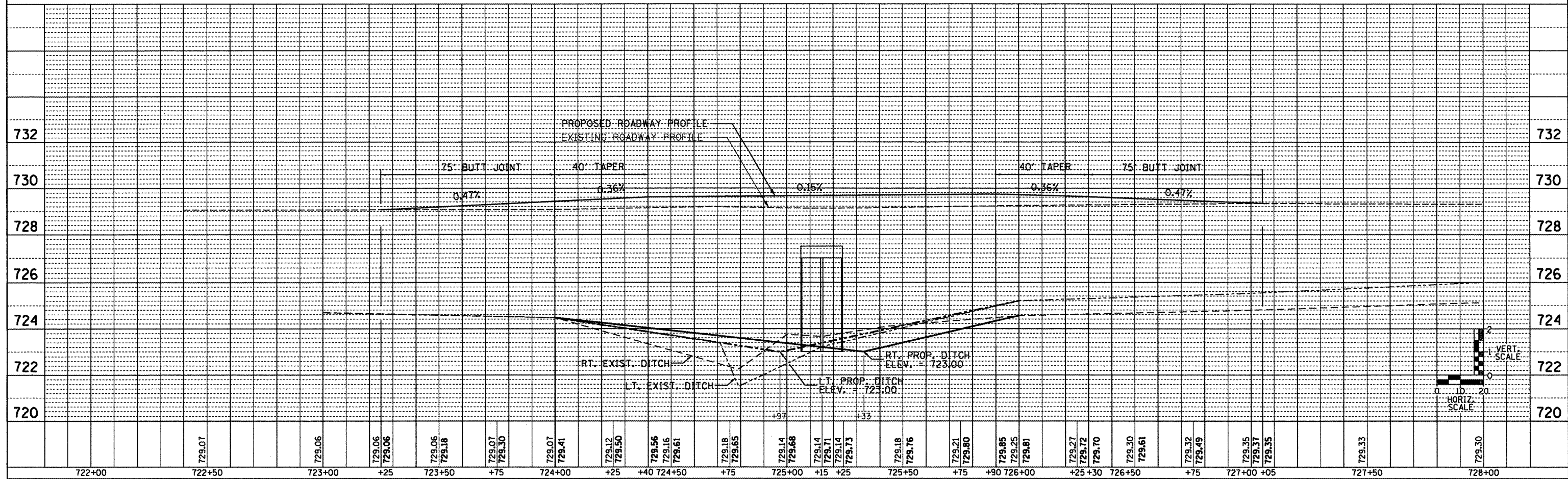
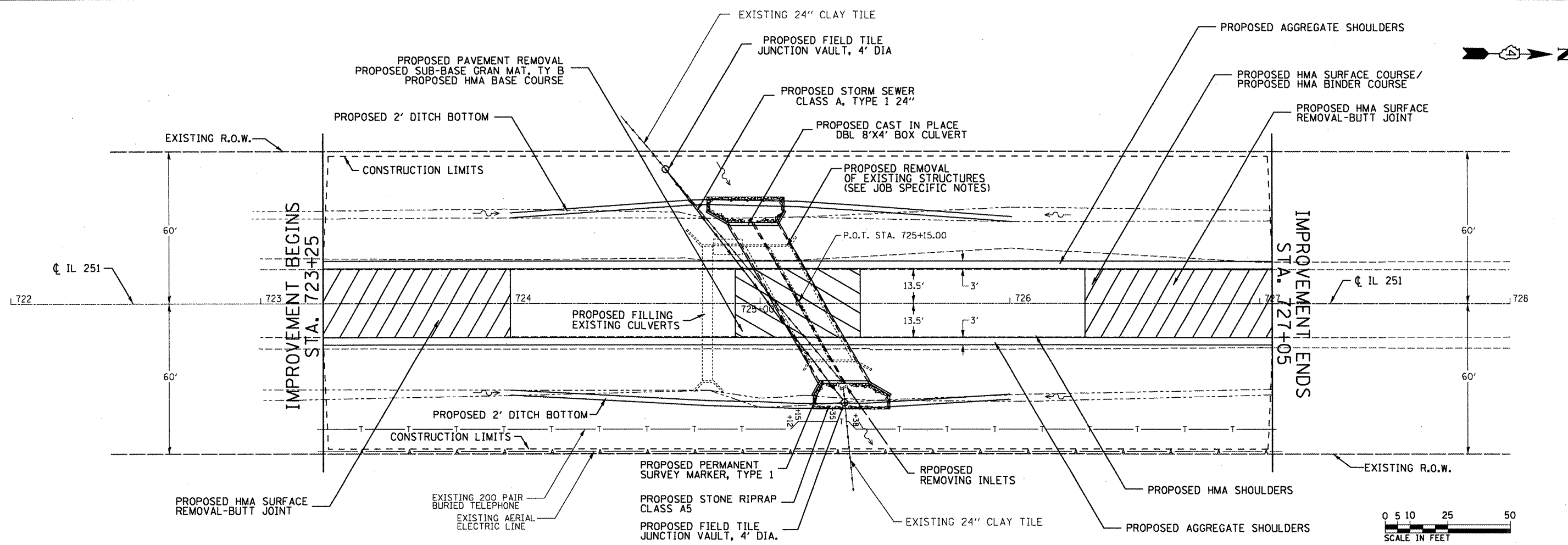


NORTHING: 1469178.409
EASTING: 792733.031

BENCHMARKS

POINT	ELEVATION	DESCRIPTION
CB-1	727.34	CHISELED "C" IN THE CENTER OF THE WEST HEADWALL OF S.N. 102-2002
CB-2	729.93	RR SPIKE IN 3RD POWER POLE NORTH OF S.N. 102-2002
CB-3	727.31	RR SPIKE IN 2ND POWER POLE SOUTH OF S.N. 102-2002





FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -
S:\GEN\DRAW\STD\PLNS\SQUAD9-NEW\Activ	Contracts\68574\details.dgn	DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 251 PLAN AND PROFILE

SCALES: PROVIDED (THIS SHEET) SHEET NO. 1 OF 1 SHEETS STA. 722+00 TO STA. 728+00

F.A.S. RTE. 1360	SECTION 631	COUNTY WOODFORD	TOTAL SHEETS 31	SHEET NO. 12
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 68574				

LEGEND

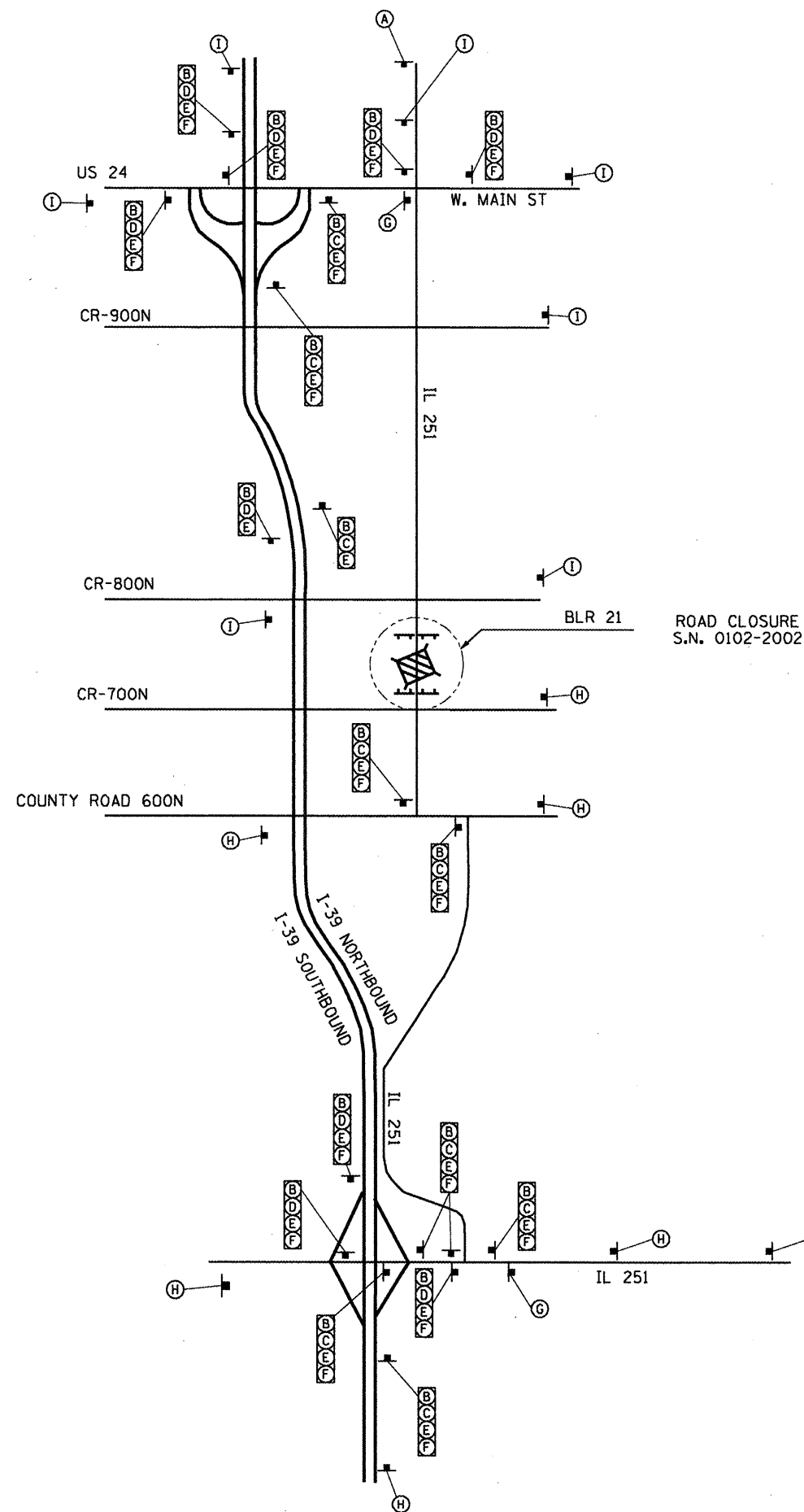
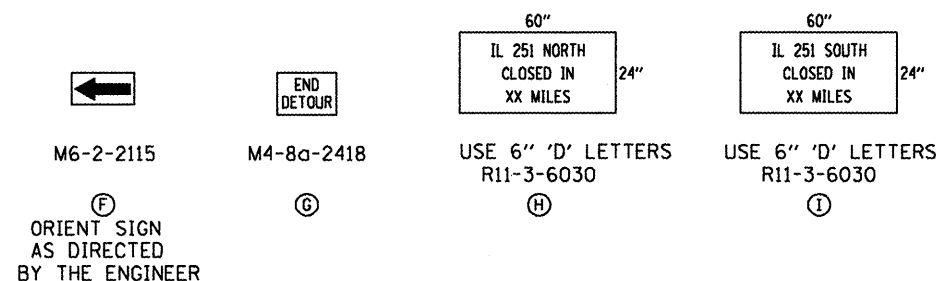
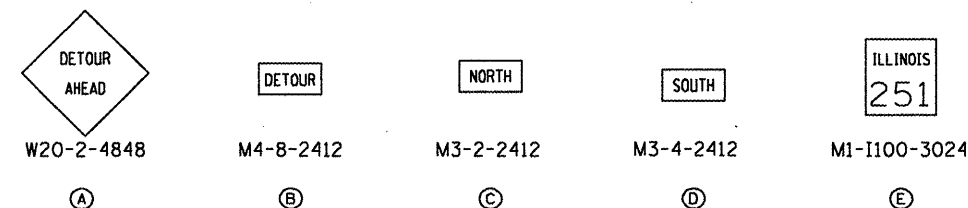
SYMBOLS

TYPE III BARRICADE WITH 2 FLASHING LIGHTS PER BARRICADE

STANDARD 702001 "ROAD CLOSED TO ALL TRAFFIC" APPLICATION

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
2. ALL SIGNS NOT ATTACHED TO BARRICADES SHALL BE POST MOUNTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR PER LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR.
5. NOTIFY DON HOFFMAN DISTRICT TRAFFIC CONTROL SUPERVISOR AT (309)671-4488 21 DAYS PRIOR TO ROAD CLOSURE.



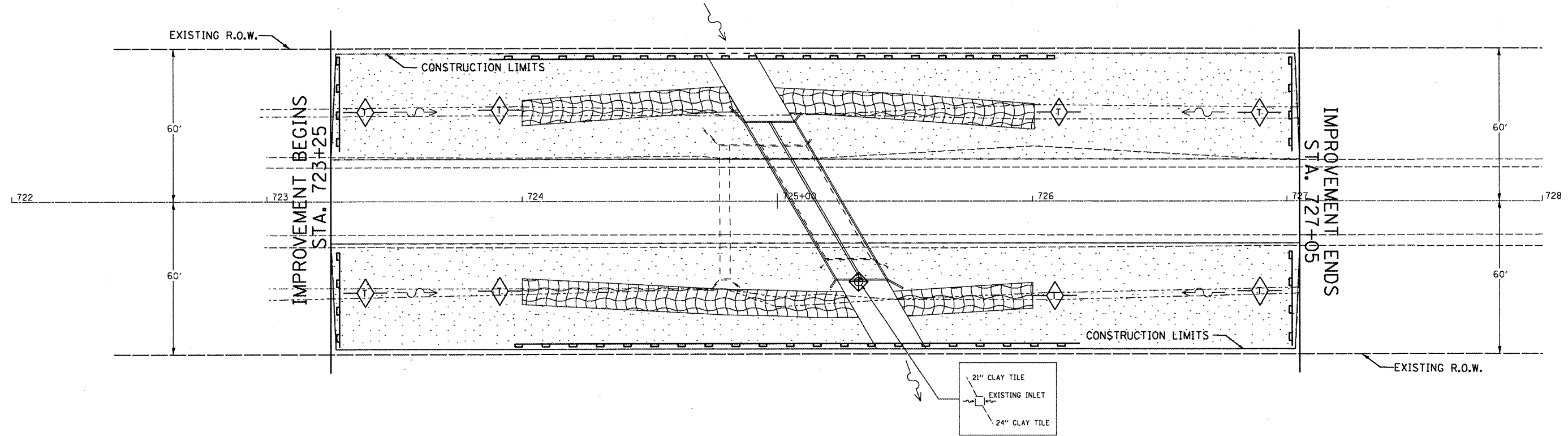
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PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 8/14/2008	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL DETOUR PLAN

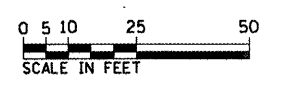
NOT TO SCALE SHEET NO. 1 OF 1 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	13
CONTRACT NO. 68574				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

PERIMETER EROSION BARRIER	
TEMPORARY DITCH CHECK	
INLET & PIPE PROTECTION	
SEEDING, CLASS 2A & MULCH, METHOD 2	
SEEDING, CLASS 2A & EROSION CONTROL BLANKET	



FILE NAME =	USER NAME = brucebm	DESIGNED - KKK	REVISED -
S:\GEN\DRAW\STD&PLNS\SQUAD9-NEW\Activ	Contracts\68574\details.dgn	DRAWN - KKK	REVISED -
	PLOT SCALE = 100.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/14/2008	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN / LANDSCAPE PLAN

SCALE: PROVIDED (THIS SHEET) SHEET NO. 1 OF 1 SHEETS STA. 723+25 TO STA. 727+05

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	63J	WOODFORD	31	14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 68574	

Bench Mark: Chiseled square in the center of the west headwall of SN 102-2002, Elevation 727.34

Existing Structure: S.N. 102-2002 built in 1925 (original construction), 1958 (reconstructed) as a system of a double 7' x 3' R.C. box culvert, 45'-4" out to out of headwalls with culvert length of 52'-4", 30 deg skew, a single 4' x 3' box culvert, 53'-10 3/4" out to out of headwalls with 0 deg skew, and a retaining wall at upstream end joining two culverts.

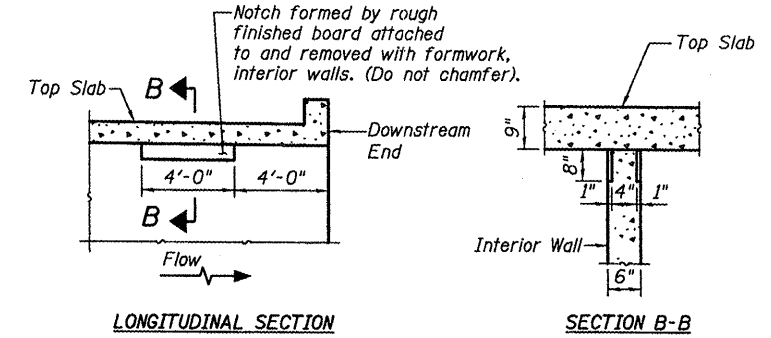
Roadway to be kept closed during culvert construction.

No salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATION 725+15.00
BUILT 20__ BY
STATE OF ILLINOIS
FAS RTE 1360 - SEC. 631
LOADING HS20
STRUCTURE NO. 102-2028

NAME PLATE
See Std. 515001



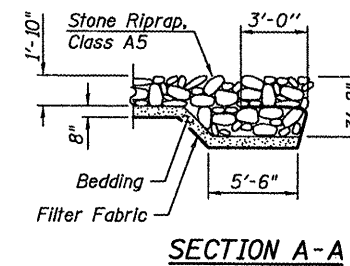
PHOEBE NESTING SITE DETAILS
(Downstream End Only)

GENERAL NOTES

1. Reinforcement Bars shall conform to the requirements of ASTM A 706, Grade 60, see Special Provisions.
2. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
3. For Backfilling and Embankment, see Standard Specifications and roadway plans.
4. At least 6'-0" of the barrel shall be poured monolithically with the wingwalls.
5. Precast alternate is not allowed.
6. Reinforcement bars designated (E) shall be epoxy coated.

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	719.85	719.75



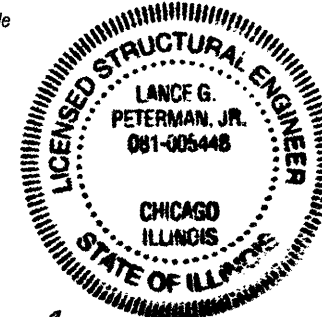
WATERWAY INFORMATION

Drainage Area = 1.53 Sq Mi		Low Grade Elev. 728.98		Sta. 723+65	
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Nat. Prop.	Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.
Design	50	332	48 52	726.49 1.06 0.73	727.55 727.22
Base	100	382	48 54	726.60 1.47 0.96	728.07 727.56
Overtopping	-	-	-	-	-
Max. Calc.	500	499	48 57	726.82 2.40 2.04	729.22 728.86

** Openings include 6 Sq. Ft. opening for adjacent 4' x 3' RCBC.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	38
Porous Granular Embankment	Ton	140
Trench Backfill	Cu. Yd.	27.0
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	171
Stone Riprap, Class A5	Ton	118
Filter Fabric	Sq. Yd.	188
Removal of Existing Structures	Each	1
Reinforcement Bars, Epoxy Coated	Pound	27,340
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	100.2
Controlled Low-Strength Material	Cu. Yd.	24



Seal expires 11/2008

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

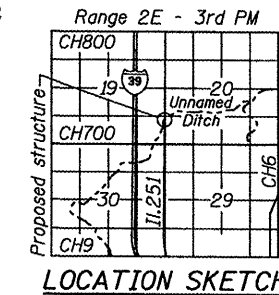
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

LOADING HS20-44
Allow 50 psf for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specification
for Highway Bridges

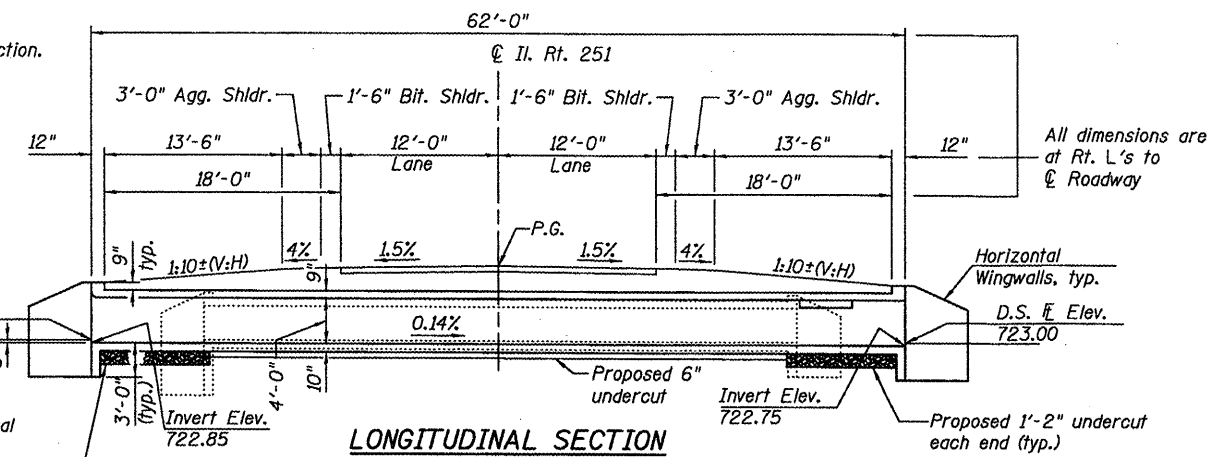
DESIGN STRESSES
FIELD LIMITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

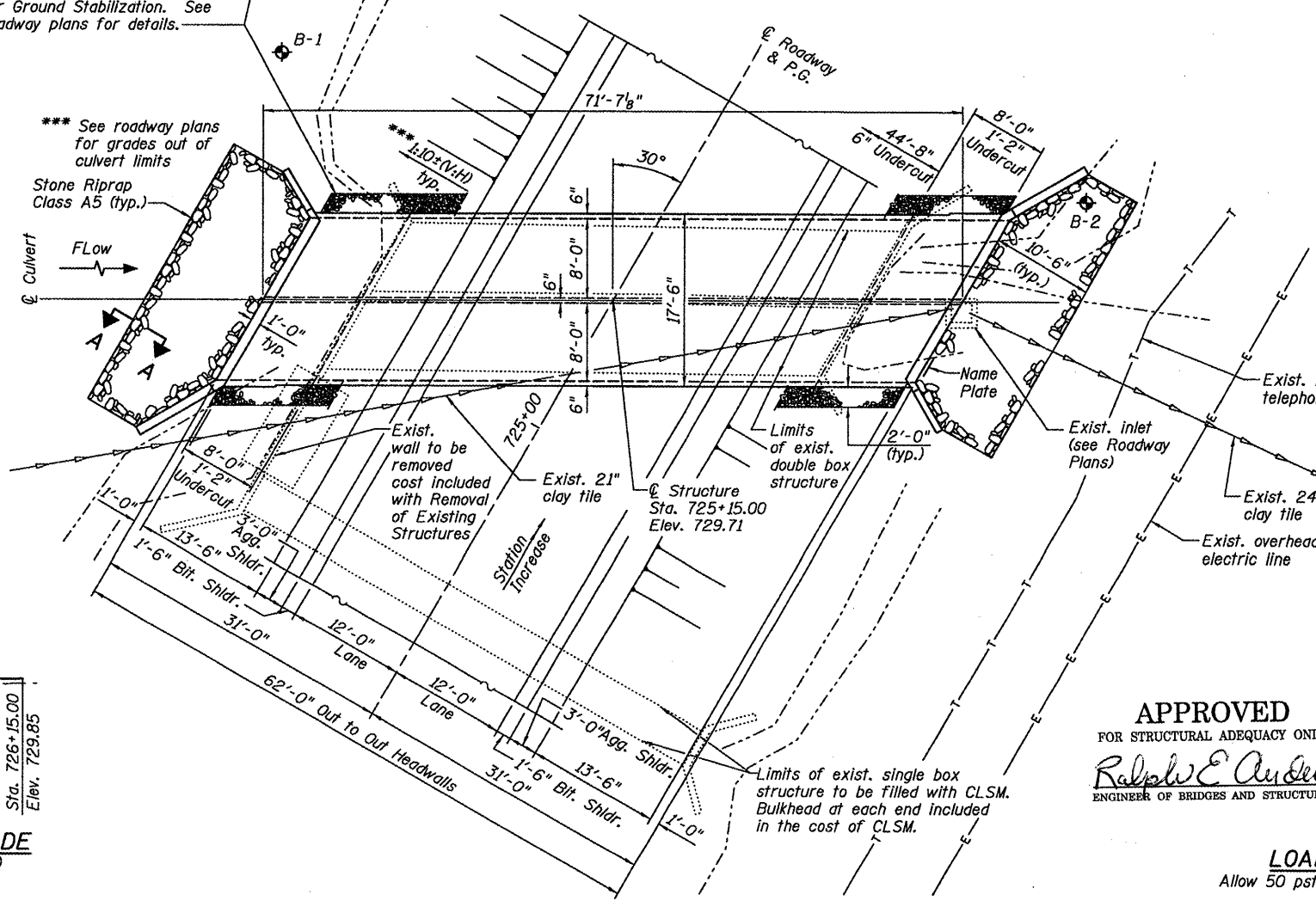


GENERAL PLAN
IL ROUTE 251 OVER
UNNAMED DRAINAGE DITCH
STATION 725+15.00

SHEET NO. 1	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2 SHEETS	1360	631	WOODFORD	31	15
SN 102-2028			CONTRACT NO. 68574		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	



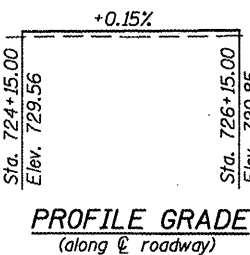
Proposed limits of Removal and Disposal of Unsuitable Material and replacement with PGE with Geotechnical Fabric for Ground Stabilization. See roadway plans for details.



PLAN

INDEX OF SHEETS

1. General Plan
2. Culvert Details



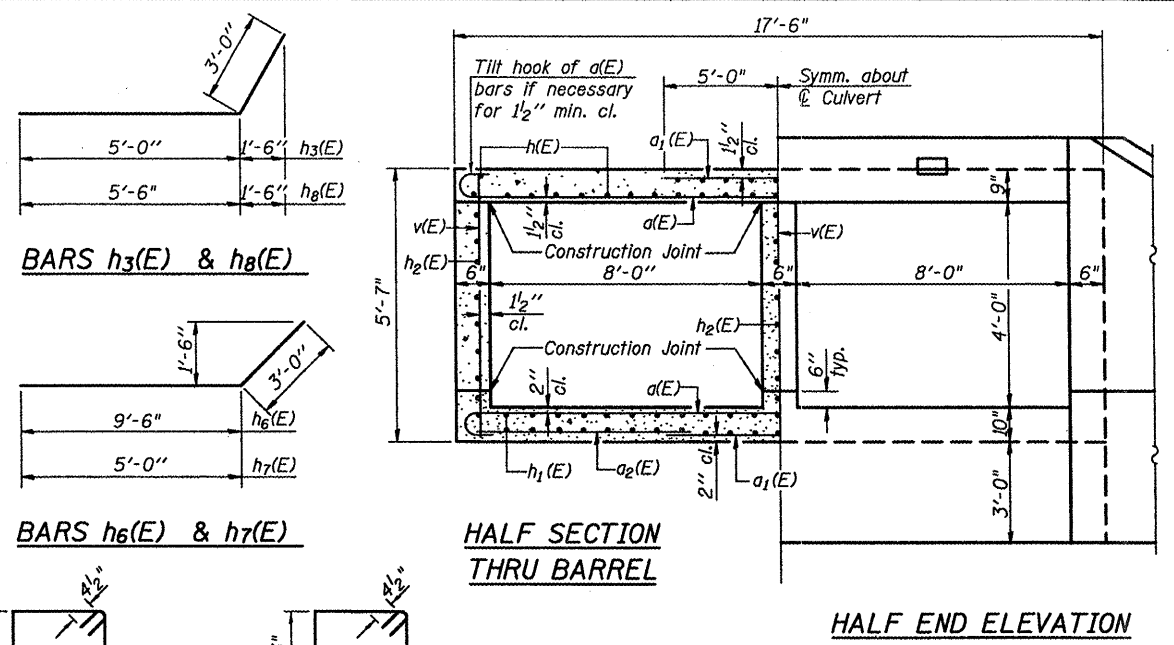
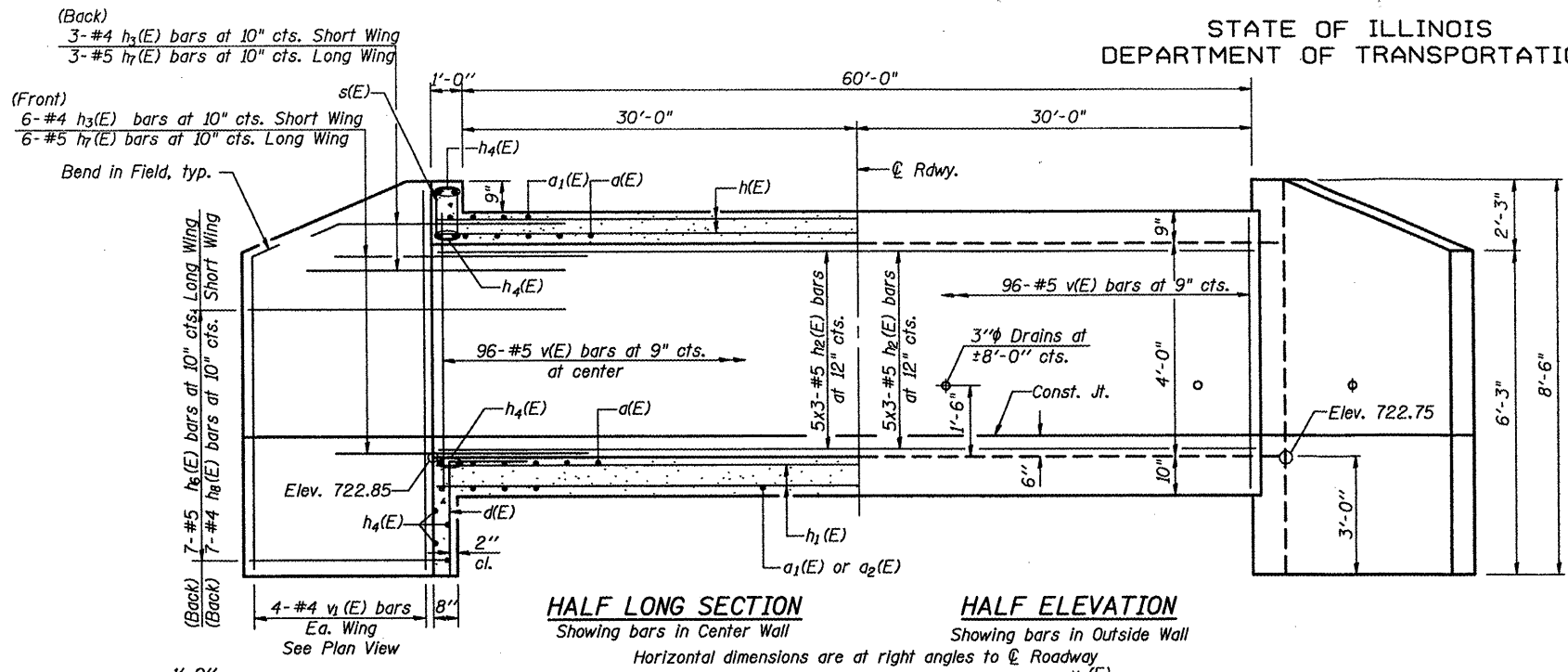
PROFILE GRADE
(along roadway)

DESIGNED	JM
CHECKED	LGP
DRAWN	JM
CHECKED	LGP



HDR ENGINEERING, INC.
8550 W. BRYN MAWR AVE.
CHICAGO, IL 60631

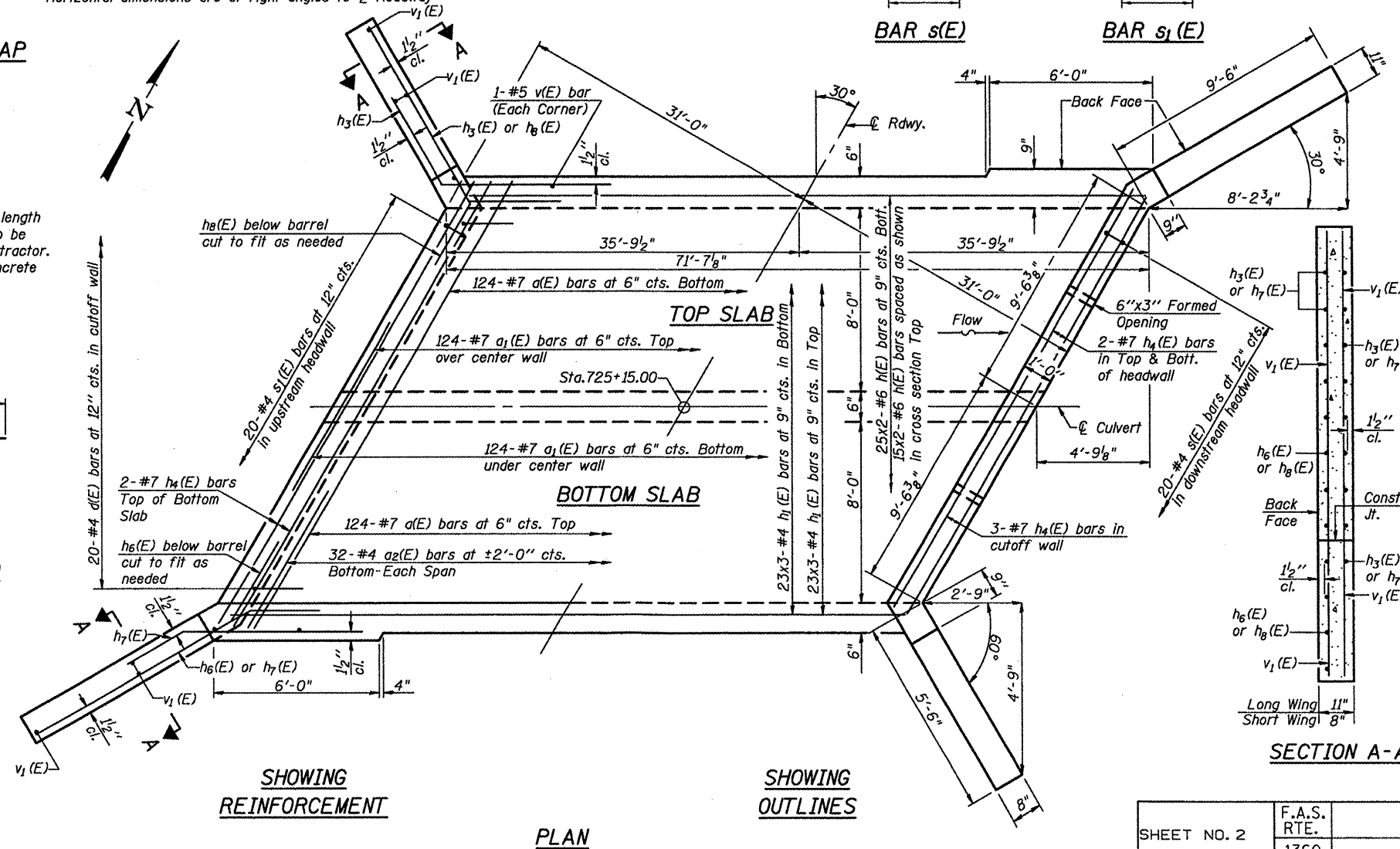
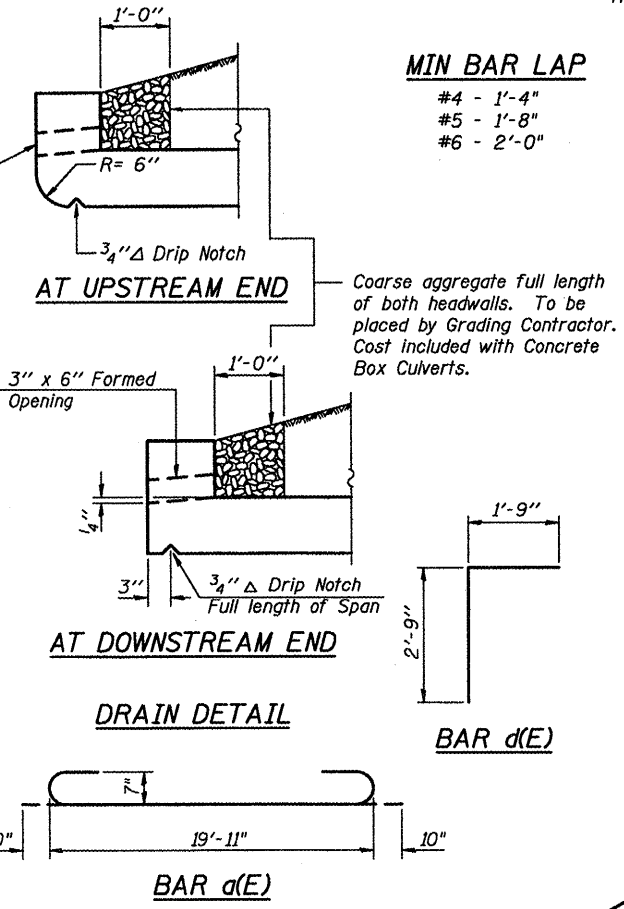
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Notes: Bars indicated thus 12x4-#5 etc. indicates 12 lines of bars with 4 lengths per line.

MIN BAR LAP

#4	1'-4"
#5	1'-8"
#6	2'-0"



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	248	#7	21'-7"	U
a1(E)	248	#7	10'-0"	U
a2(E)	64	#4	6'-6"	U
d(E)	40	#4	4'-6"	U
h(E)	80	#6	36'-9"	U
h1(E)	138	#4	24'-9"	U
h2(E)	45	#5	25'-0"	U
h3(E)	18	#4	8'-0"	U
h4(E)	18	#7	19'-11"	U
h5(E)	14	#5	12'-6"	U
h7(E)	18	#5	8'-0"	U
h8(E)	14	#4	8'-6"	U
s(E)	20	#4	4'-9"	U
s1(E)	20	#4	4'-7"	U
v(E)	292	#5	5'-3"	U
v1(E)	16	#4	8'-2"	U
Concrete Box Culverts				Cu. Yd. 100.2
Reinforcement Bars, Epoxy Coated				Pound 27,340

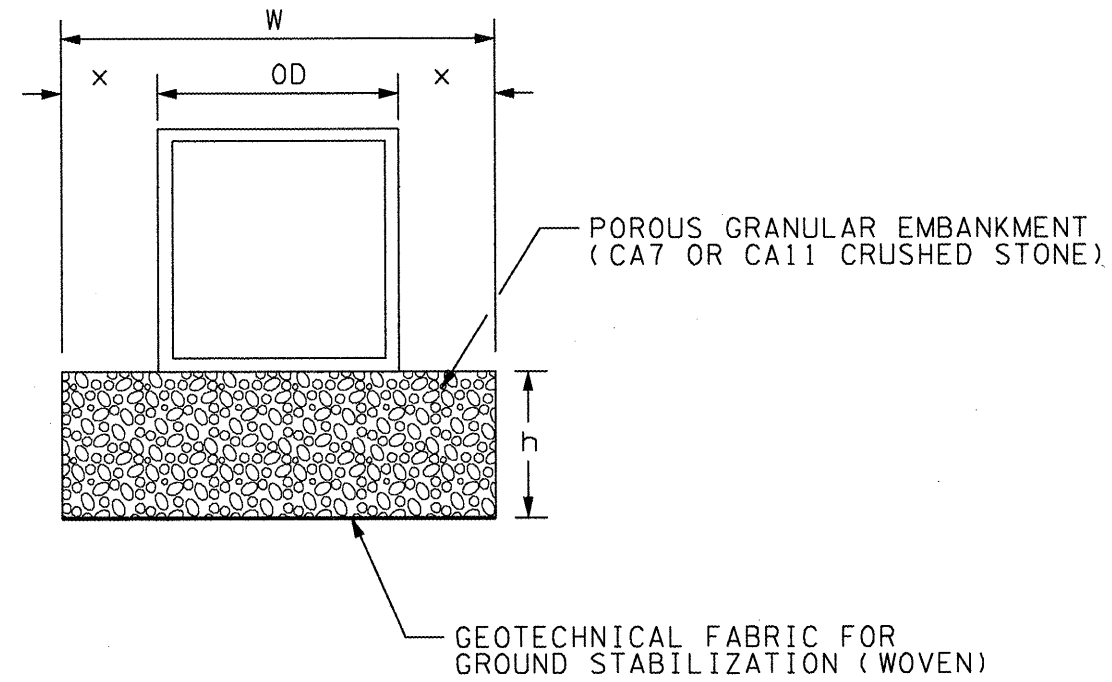
CULVERT DETAILS
IL ROUTE 251 OVER
UNNAMED DRAINAGE DITCH
STATION 725+15.00

SHEET NO. 2	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1360	631	WOODFORD	31	16
2 SHEETS	SN 102-2028		CONTRACT NO. 68574		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

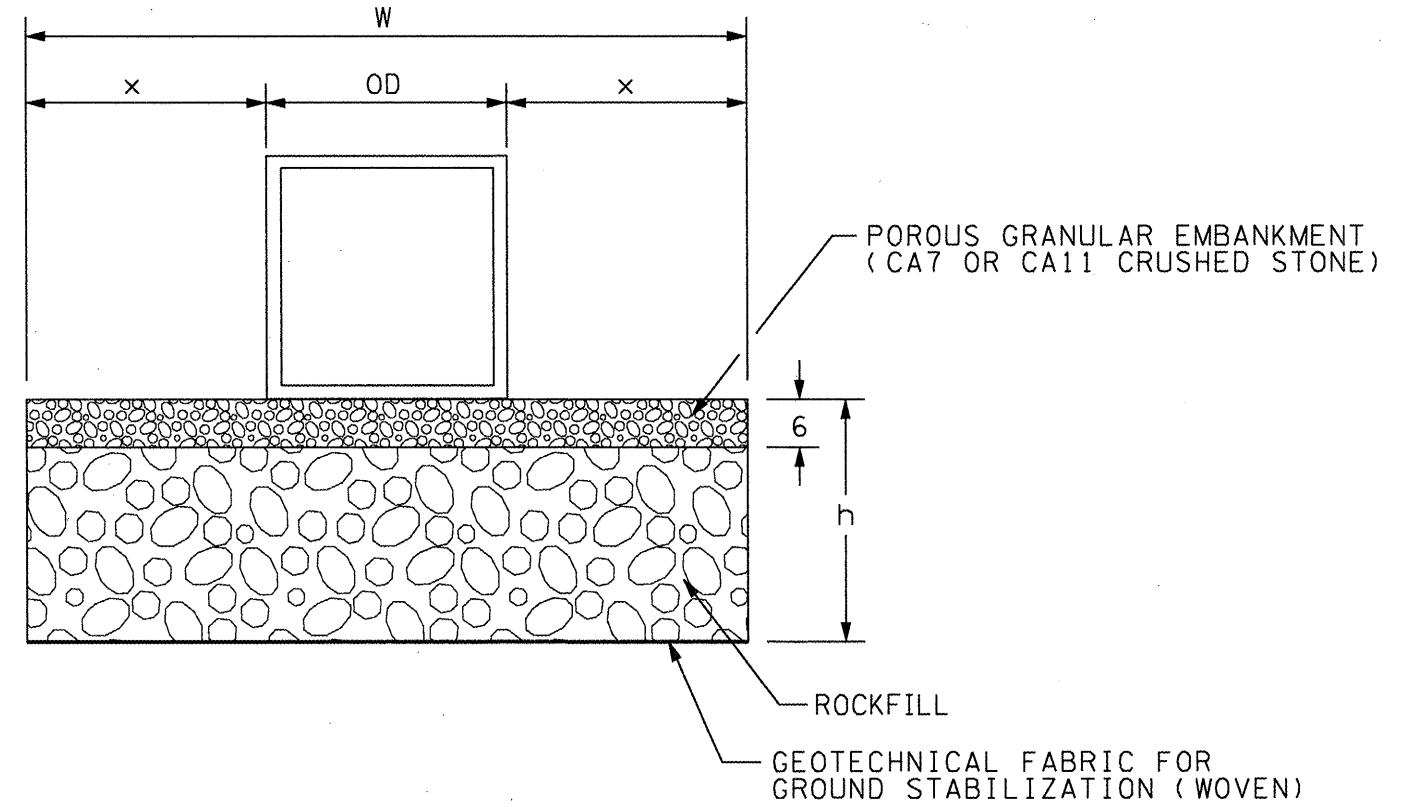
DESIGNED	JH
CHECKED	LGP
DRAWN	JM
CHECKED	LGP

HDR
HDR ENGINEERING, INC.
8550 W. BRYN MAWR AVE.
CHICAGO, IL 60631

All reinforcement spacings are at right angles to the bars.



ALTERNATE I: UNDERCUT 18" OR LESS



ALTERNATE II: FOR >18" TO 36" UNDERCUT

CULVERT LOCATION	UNDERCUT			
	DEPTH	WIDTH		
	h	x	OD	W
22' - 30' LT OF ϕ	14"	2'	17.5'	21.5'
22' LT - 22' RT OF ϕ	6"	2'	17.5'	21.5'
22' - 30' RT OF ϕ	14"	2'	17.5'	21.5'

- AT THE OPTION OF THE ENGINEER AN UNDERCUT FOR WORKING PLATFORM MAY BE USED IF NEEDED BASED ON SITE CONDITIONS AT THE TIME OF CONSTRUCTION.

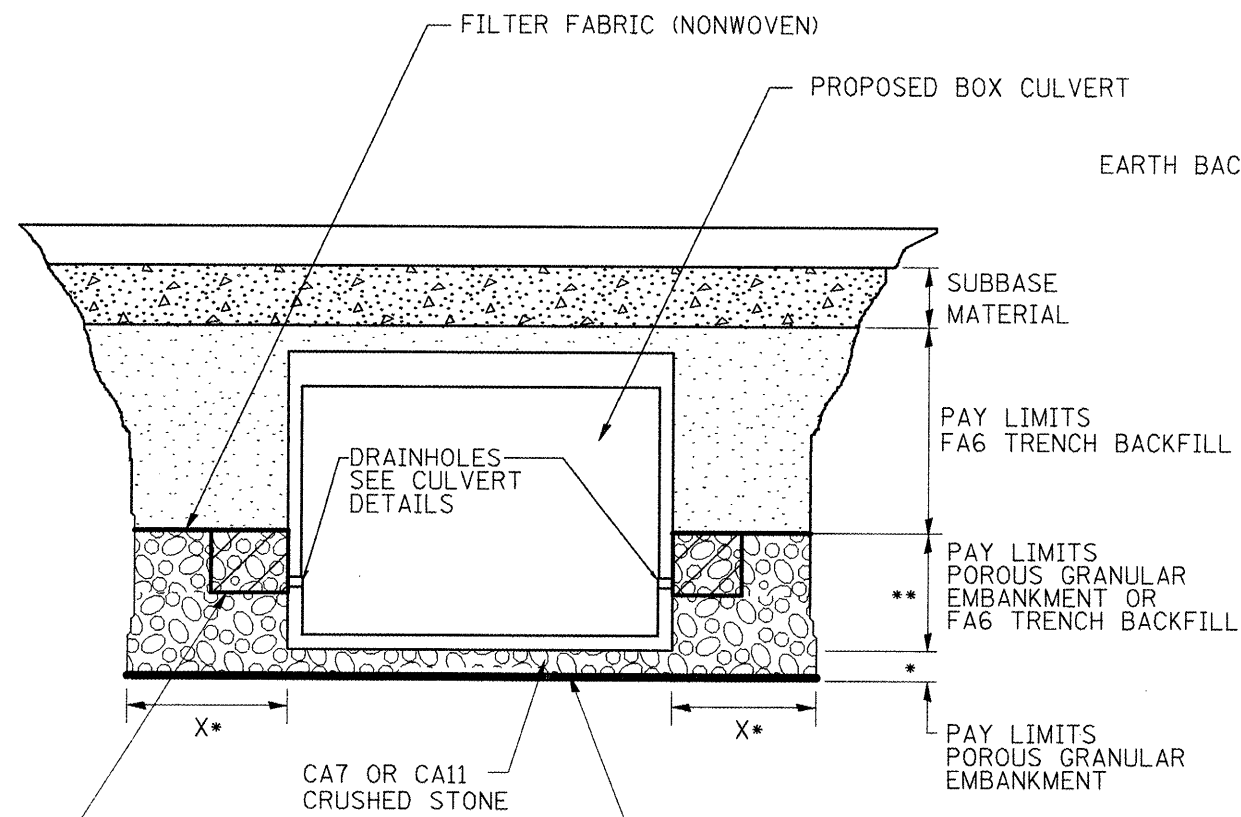
GENERAL NOTES:

- Undercut if the Dynamic Cone Penetrometer tests indicate soil strength is less than 1 ton/sq ft.
- DEFINITIONS:
 OD = Outside width of box culvert.
 h = Depth of undercut.
 x = h or minimum 2 feet, which ever is greater for box culverts.
 W = Width of undercut = 2x + OD.
- For undercuts greater than 36", use Alternate II with undercut treatments as directed by the District Geotechnical Engineer.

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

FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	UNSATURABLE EXCAVATION TREATMENT DETAIL FOR BOX CULVERT - STA. 725+15.00	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\GEN\DRAWING\STD&PLNS\SQUAD9-NEW\Activ	Contracts\68574\detail.dgn	DRAWN -	REVISED -			1360	631	WOODFORD	31	17	
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 68574					
	PLOT DATE = 8/14/2008	DATE -	REVISED -			NOT TO SCALE	SHEET NO. 1 OF 1 SHEETS	STA. 725+15.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

ROADWAY ϕ PROFILE VIEW



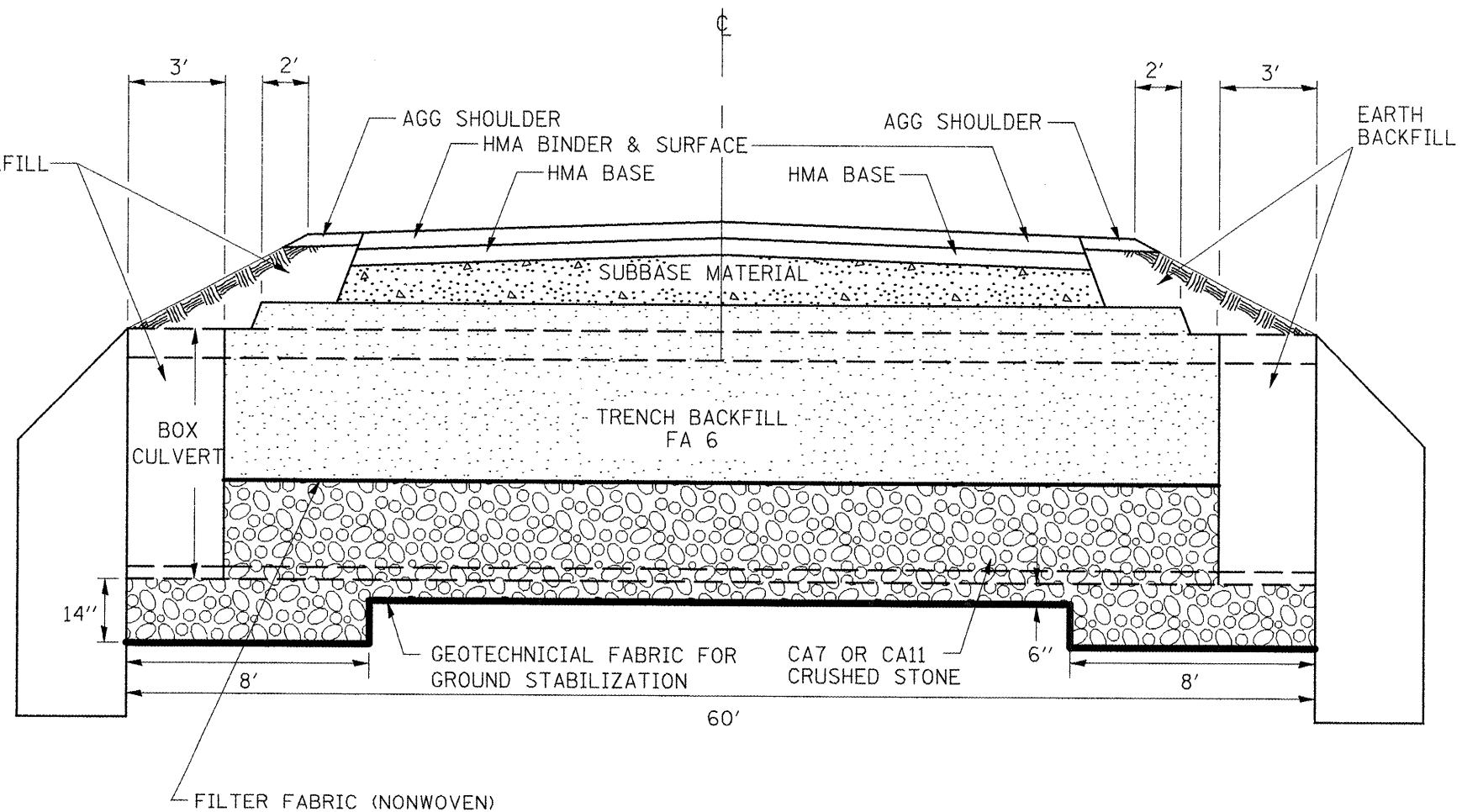
2' x 2' x 2' DEPOSIT OF CA 5, 7, OR 11 IN FABRIC ENVELOPE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS (TYPICAL)

PROPOSED REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL, AND REPLACE WITH POROUS GRANULAR EMBANKMENT WITH GEOTECHNICAL FABRIC FOR GROUND STABILIZATION. PAID FOR BY RESPECTIVE PAY ITEMS.

* SEE UNDERCUT DETAIL FOR DEPTHS AND WIDTHS. IF THERE IS NO UNDERCUT, X = 2 FEET.

** EXTEND THE POROUS GRANULAR EMBANKMENT TO THE TOP OF THE DRAINHOLE FILTER FABRIC ENVELOPES. IF THE BOX CULVERT DOES NOT HAVE DRAINHOLES, THEN BEGIN PLACING TRENCH BACKFILL AT THE BOTTOM OF THE CULVERT.

ROADWAY CROSS SECTION VIEW

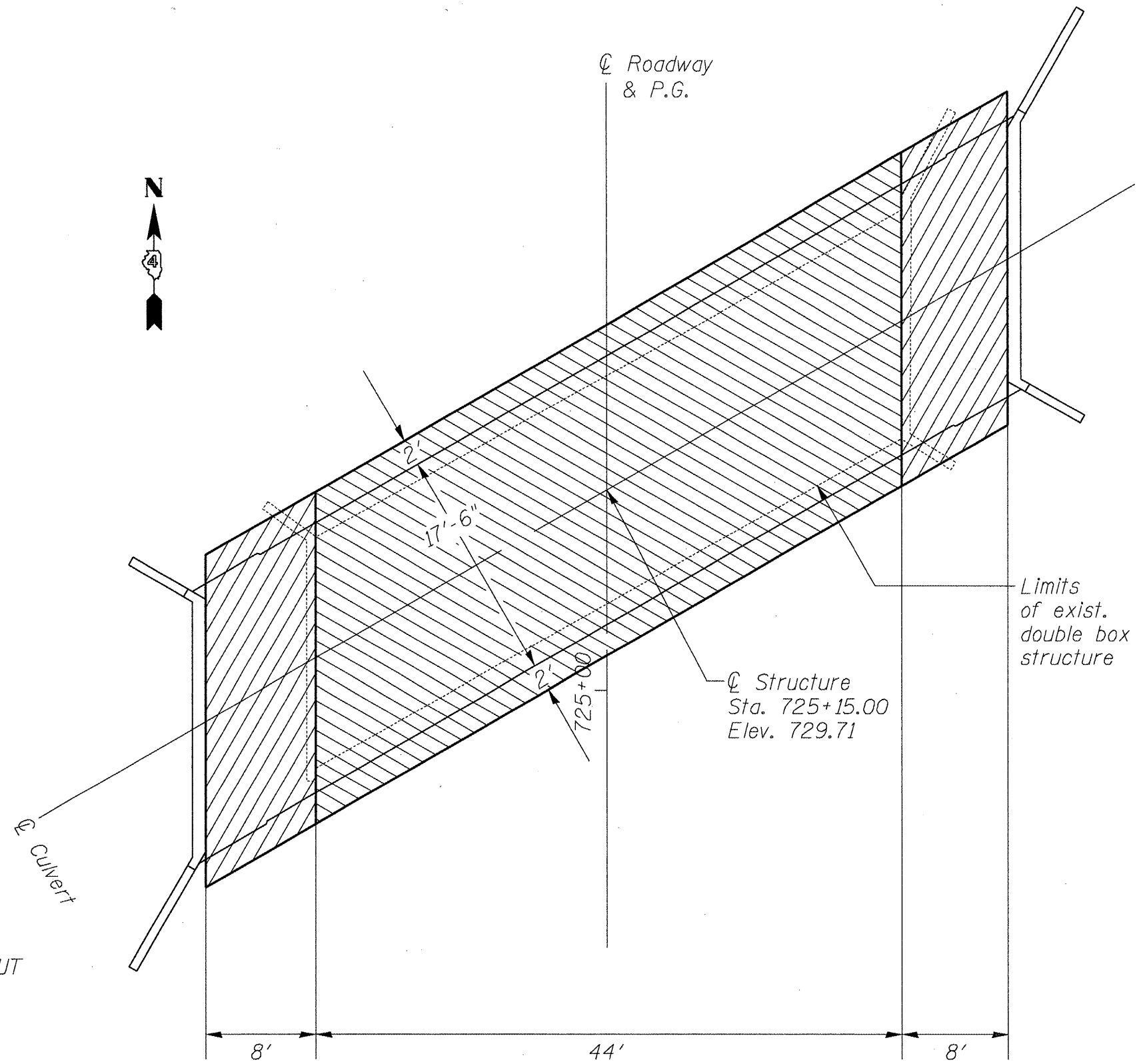


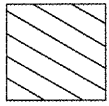
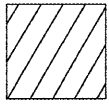
NOTES:

- EXCEPT AS SPECIFIED IN THIS DETAIL, THE PLACEMENT AND COMPACTION OF BACKFILL SHALL BE IN ACCORDANCE WITH ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS.
- TRENCH BACKFILL SHALL BE COMPACTED BY EITHER METHOD 2 OR METHOD 3 SPECIFIED IN ARTICLE 550.07, OR IN ACCORDANCE WITH METHOD 1 SPECIFIED IN ARTICLE 550.07, EXCEPT THAT THE COMPACTED LIFTS SHALL NOT EXCEED 8" IN THICKNESS. TRENCH BACKFILL SHALL BE COMPACTED TO A MINIMUM OF 95% OF STANDARD LAB DENSITY.

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

FILE NAME =	USER NAME = johnsontv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERT STA. 725+15.00	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\GEN\DRAWING\STD\PLNS\SQUAD9-NEW\Activ	Contracts\68574\details.dgn	DRAWN -	REVISED -			1360	631	WOODFORD	31	18	
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 68574					
	PLOT DATE = 8/14/2009	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



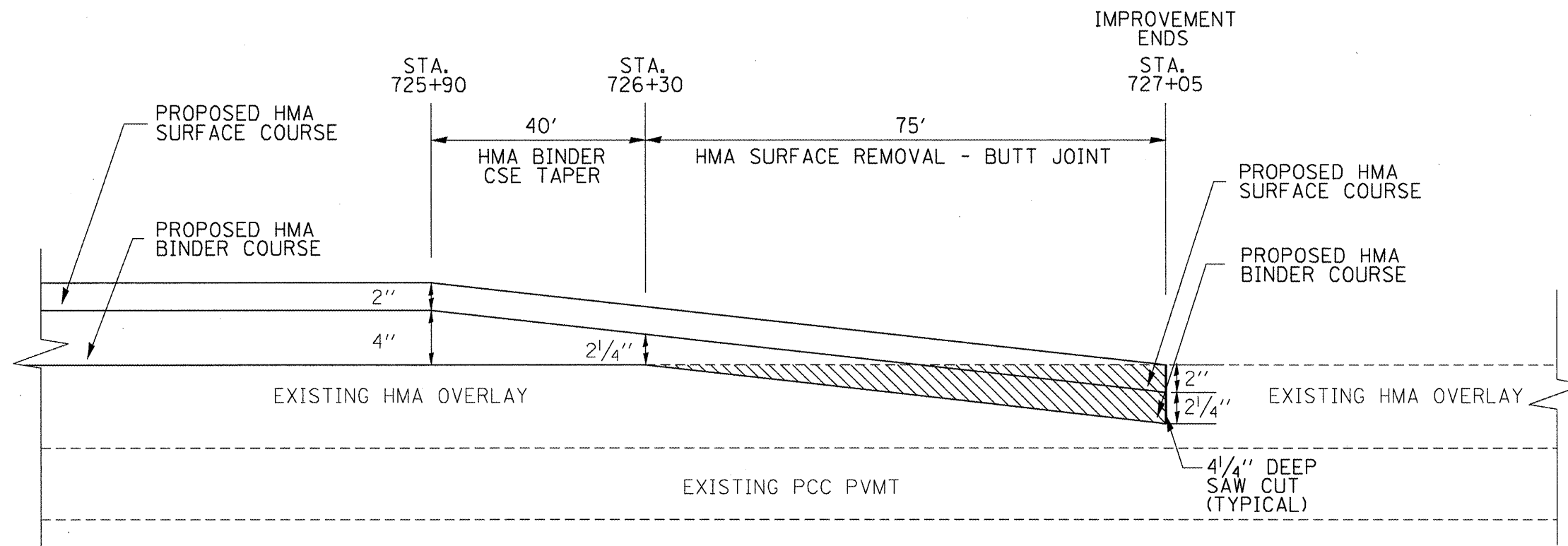
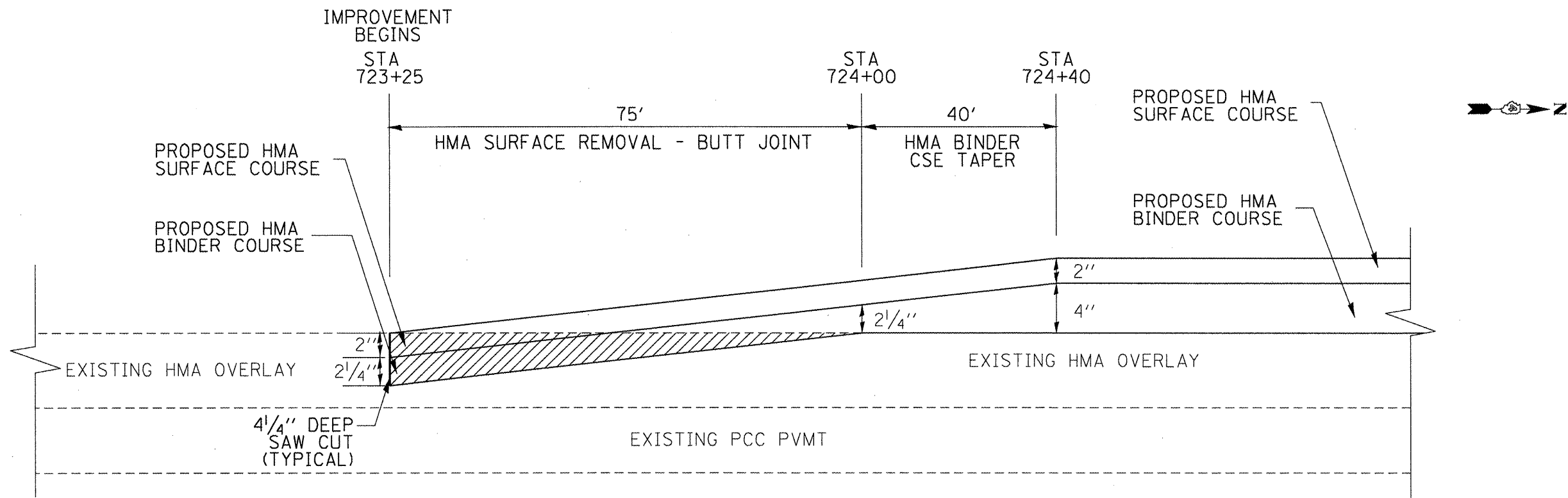
 LIMITS OF OPTIONAL 6" UNDERCUT
 LIMITS OF 14" UNDERCUT

NOTE: SEE UNSUITABLE EXCAVATION TREATMENT DETAIL

PLAN

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

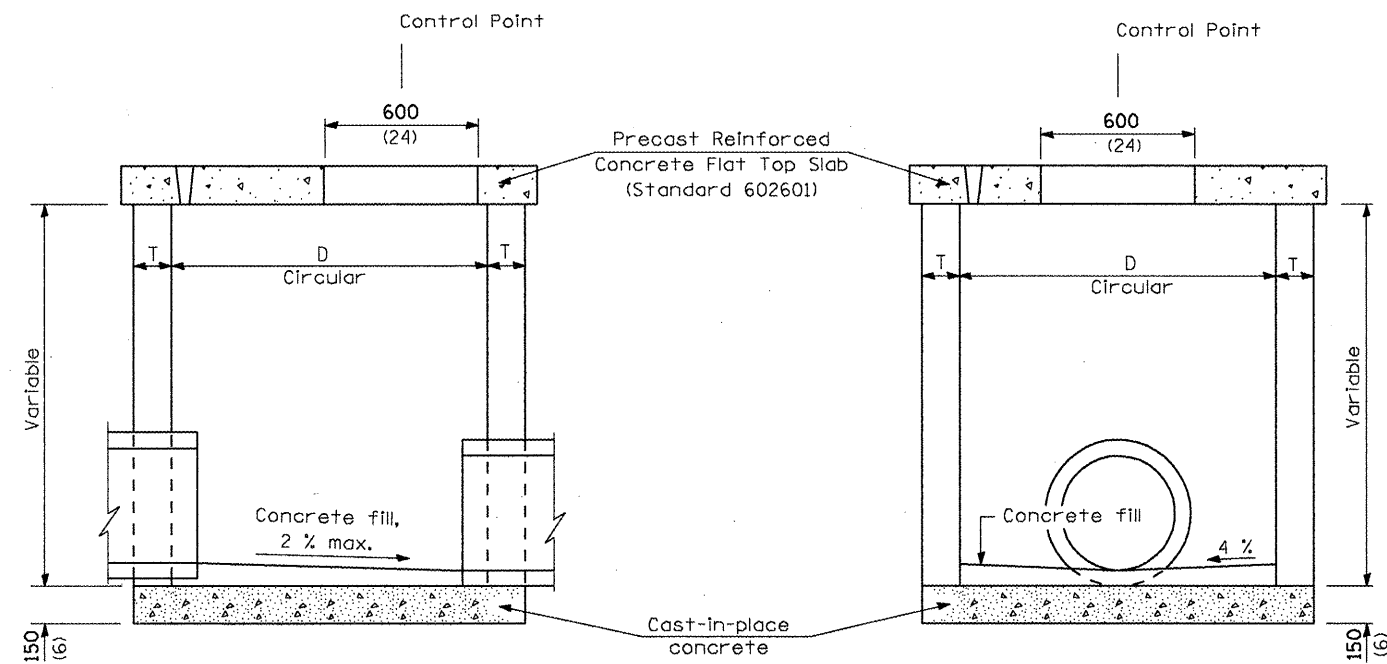
FILE NAME =	USER NAME = brucebn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERT STA. 725 + 15.00	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 68574					
	PLOT DATE = 8/14/2008	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
					NOT TO SCALE	SHEET NO. 2 OF 2 SHEETS	STA. 725+15.00				



GENERAL NOTES

1. The work shall be done in accordance with Article 406.08, Article 440.04, and the General Note for Butt Joints.
2. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.

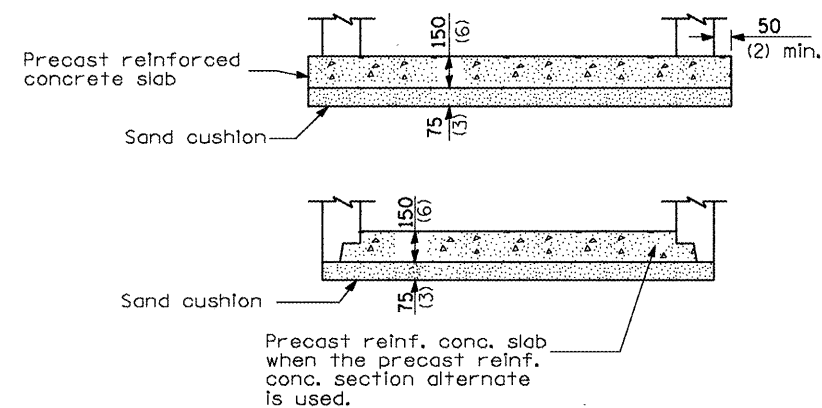
FILE NAME =	USER NAME = brucebn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA BINDER COURSE TAPER DETAIL (STA. 723+25 & STA. 727+05)	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\GEN\DRAW\STD&PLNS\SQUAD9-NEW\Activ	Contract\68574\detail.dgn	DRAWN -	REVISED -			1360	631	WOODFORD	31	20	
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 68574					
PLOT DATE = 8/14/2008		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



ELEVATION
(Looking North)

ELEVATION

LOCATION	EACH
55' LT STA 724+79	1
38' RT STA 725+33	1



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C	T (min.)
Concrete Masonry Unit	1.2 m (4'-0")	750 (30)	125 (5)
Brick Masonry	1.2 m (4'-0")	750 (30)	200 (8)
Precast Reinforced Concrete Section	1.2 m (4'-0")	750 (30)	100 (4)
Cast-in-place Concrete	1.2 m (4'-0")	750 (30)	150 (6)

GENERAL NOTES

Field Tile Junction Vault Shall Be Constructed According To Section 611.05 And The Applicable Portions Of Section 602.

Precast Reinforced Concrete Flat Top Slab Shall Be Constructed According To Standard 602601.

Field Tile Junction Vault Stationing Is Approximate. Field Tile Junction Vaults Shall Be Placed At Plan Offset At The Intercept Station Of Existing Field Tile.

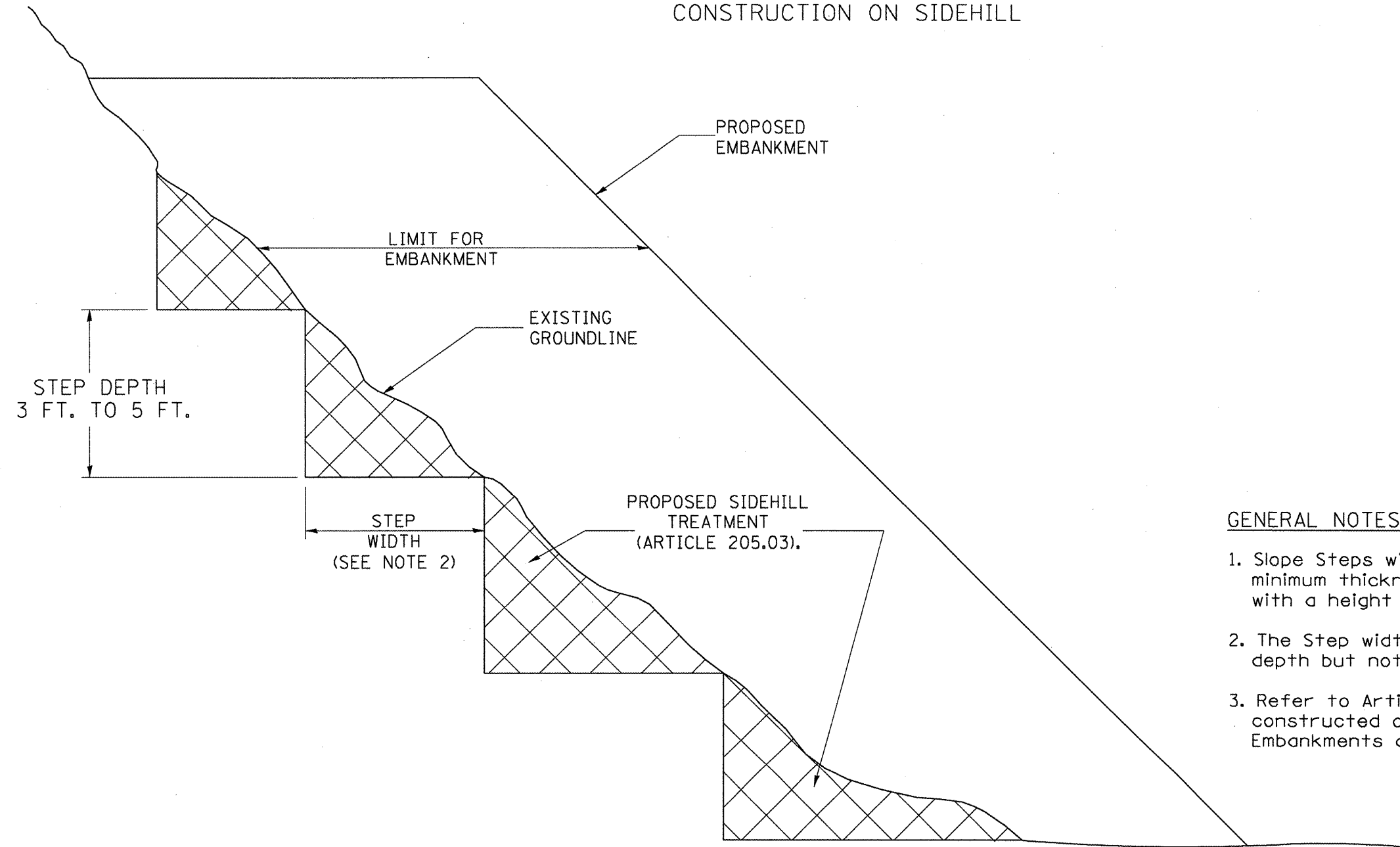
Elevation Of Field Tile Junction Vaults Shall Be Based On Existing Field Tile And Proposed Finished Grade.

Field Tile Junction Vault 55' Lt Sta. 724+79 Shall Be Equipped With New Type 1 Frame And Closed Lid.

Field Tile Junction Vault 38' Rt Sta. 725+33 Shall Be Equipped With Square Beehive Grate Salvaged From Inlet To Be Removed.

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

SLOPE STEPS DETAIL
TYPICAL CROSS-SECTION EMBANKMENT
CONSTRUCTION ON SIDEHILL



GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:



STANDARD EMBANKMENT
 (IN ACCORDANCE WITH
 205 OF THE STANDARD SPECIFACATION).

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

ILLINOIS DEPARTMENT OF TRANSPORTATION			
DISTRICT CADD STANDARD			
SLOPE STEPS DETAIL			
CADD STD. NO. 205001-D4		DRAWN BY CADD	
SCALE: NOT DRAWN TO SCALE		CHECKED BY	

205001-D4

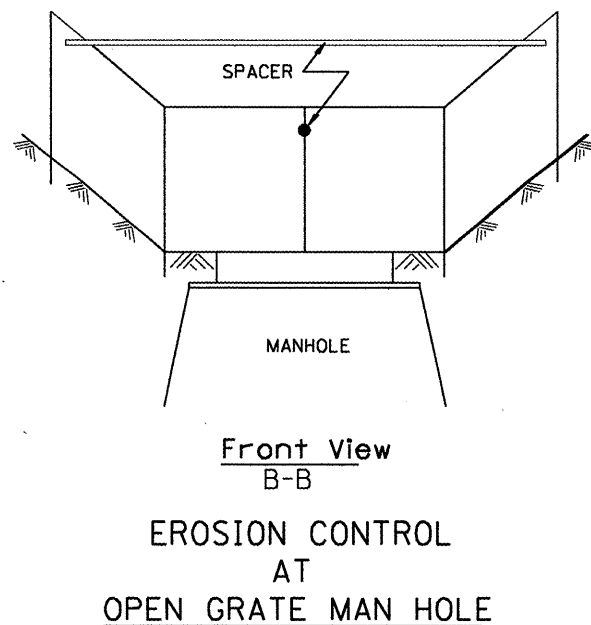
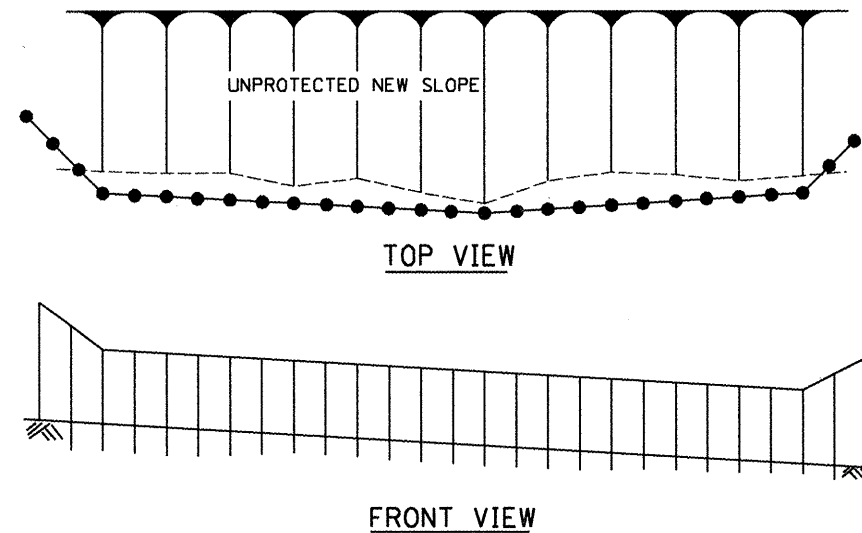
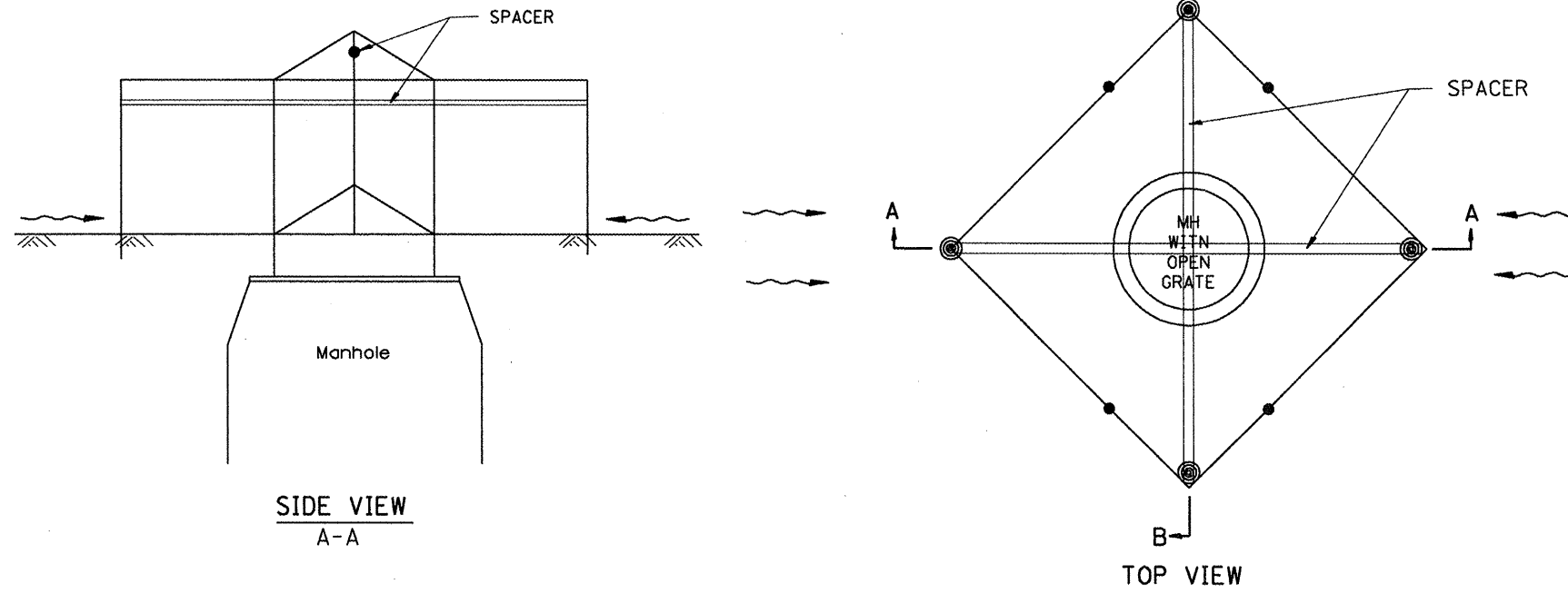
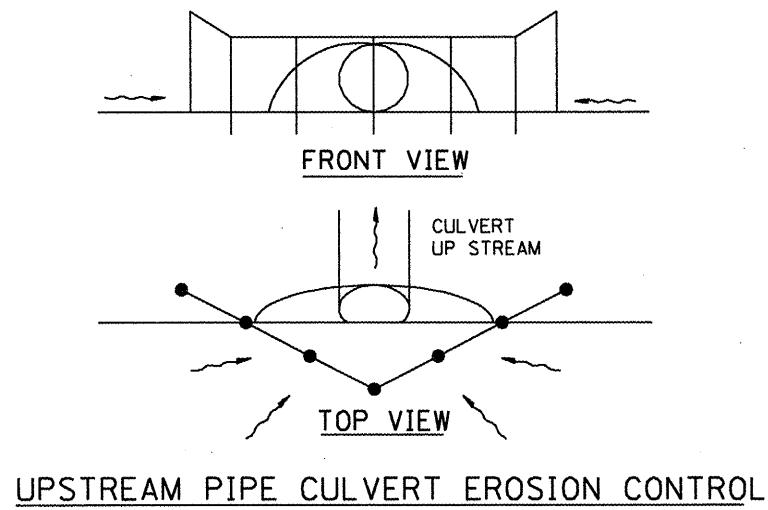
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	PLOT DATE = 8/14/2008	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT CADD STANDARDS

SHEET NO. 1 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	22
CONTRACT NO. 68574				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



GENERAL NOTES:

1. This work shall be performed in accordance with Sections 280 & 1081. of the Standard Specifications.
2. Additional Timber or Metal Post shall be installed, as needed.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION				
SPECIAL DETAIL SHEET				
TYPICAL APPLICATION OF SILT FILTER FENCE				
CADD DETAIL 280001-D4		DRAWN BY CADD		
SCALE: NOT DRAWN TO SCALE		CHECKED BY		

280001-D4

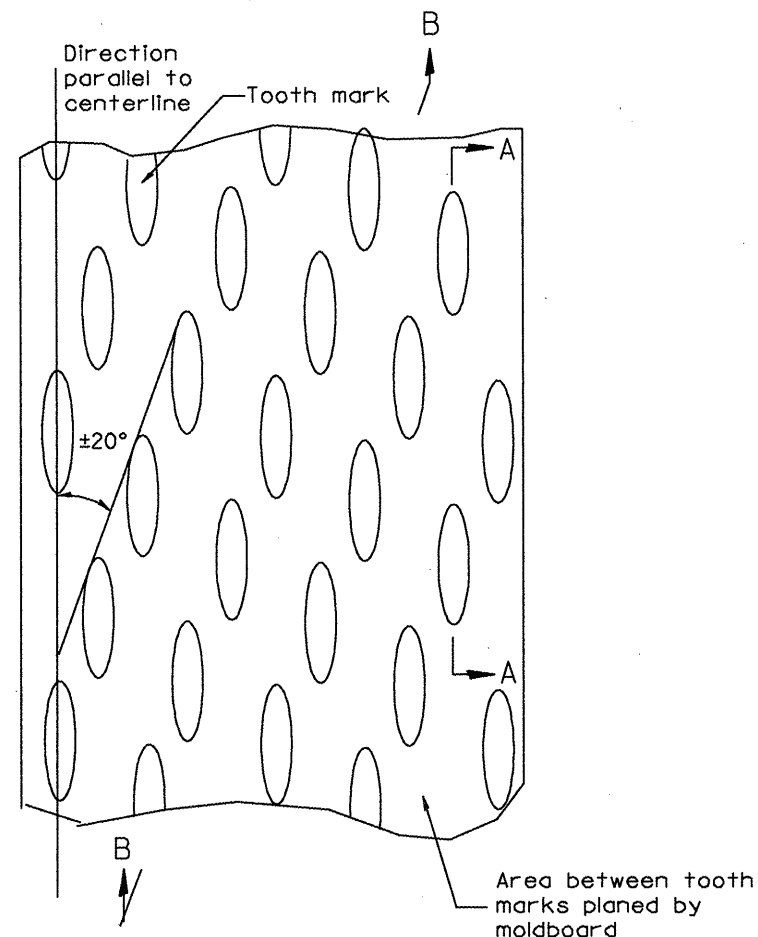
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 8/14/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARDS

SHEET NO. 2 OF 6 SHEETS

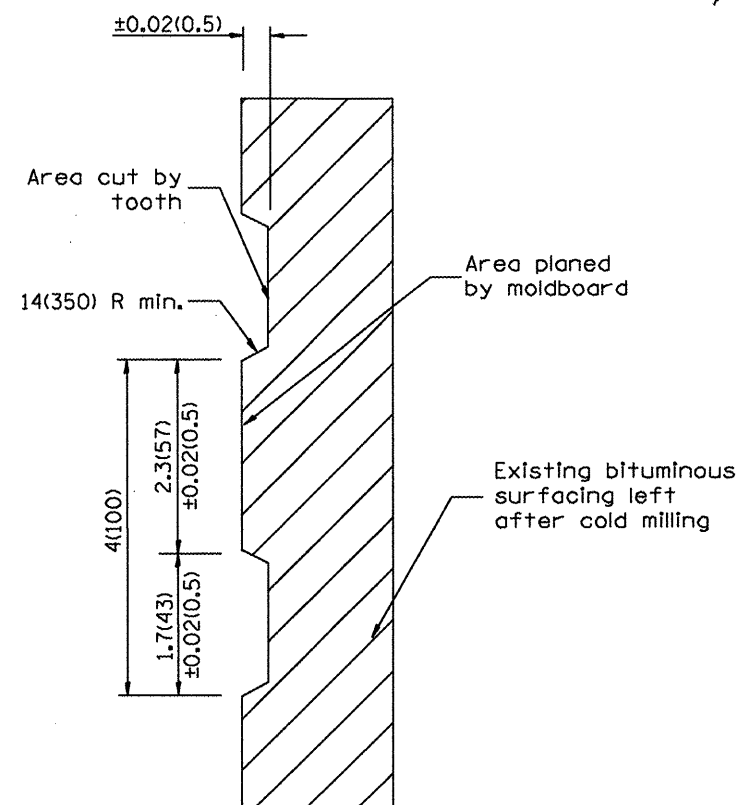
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	23
CONTRACT NO. 68574				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



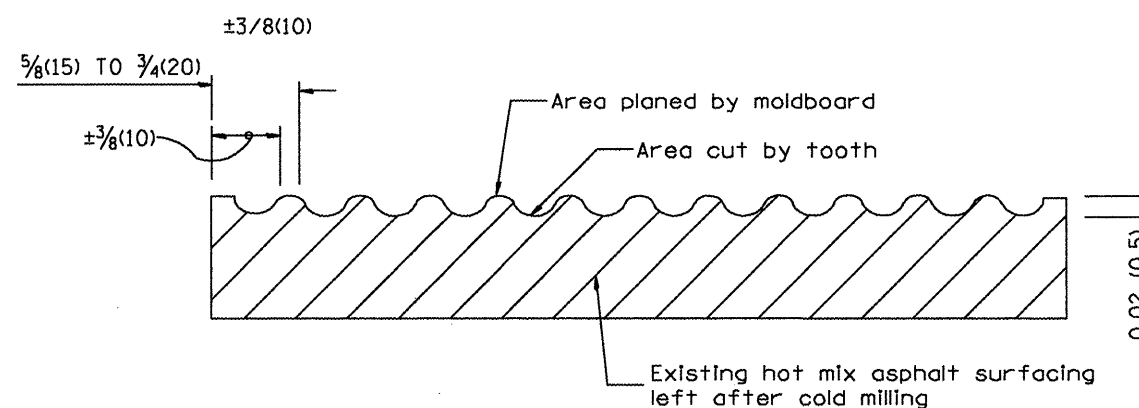
PLAN

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.



SECTION A-A



SECTION B-B PROJECTED
PERPENDICULAR TO CENTERLINE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION				
DISTRICT CADD STANDARD				
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)				
CADD STD NO. 440001-D4				
SCALE: NOT DRAWN TO SCALE		DRAWN BY CADD		
DATE		CHECKED BY		

440001-D4

FILE NAME =	USER NAME = brucebm	DESIGNED -	REVISED -
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		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

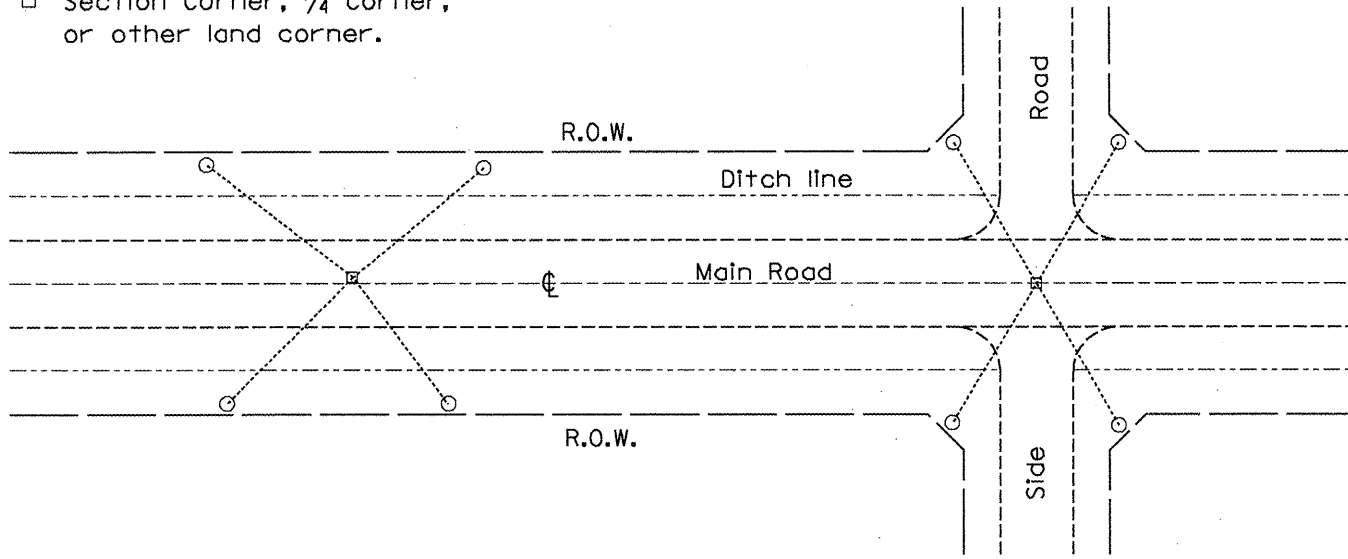
DISTRICT CADD STANDARDS

SHEET NO. 3 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	24
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 68574	

PERMANENT SURVEY TIES

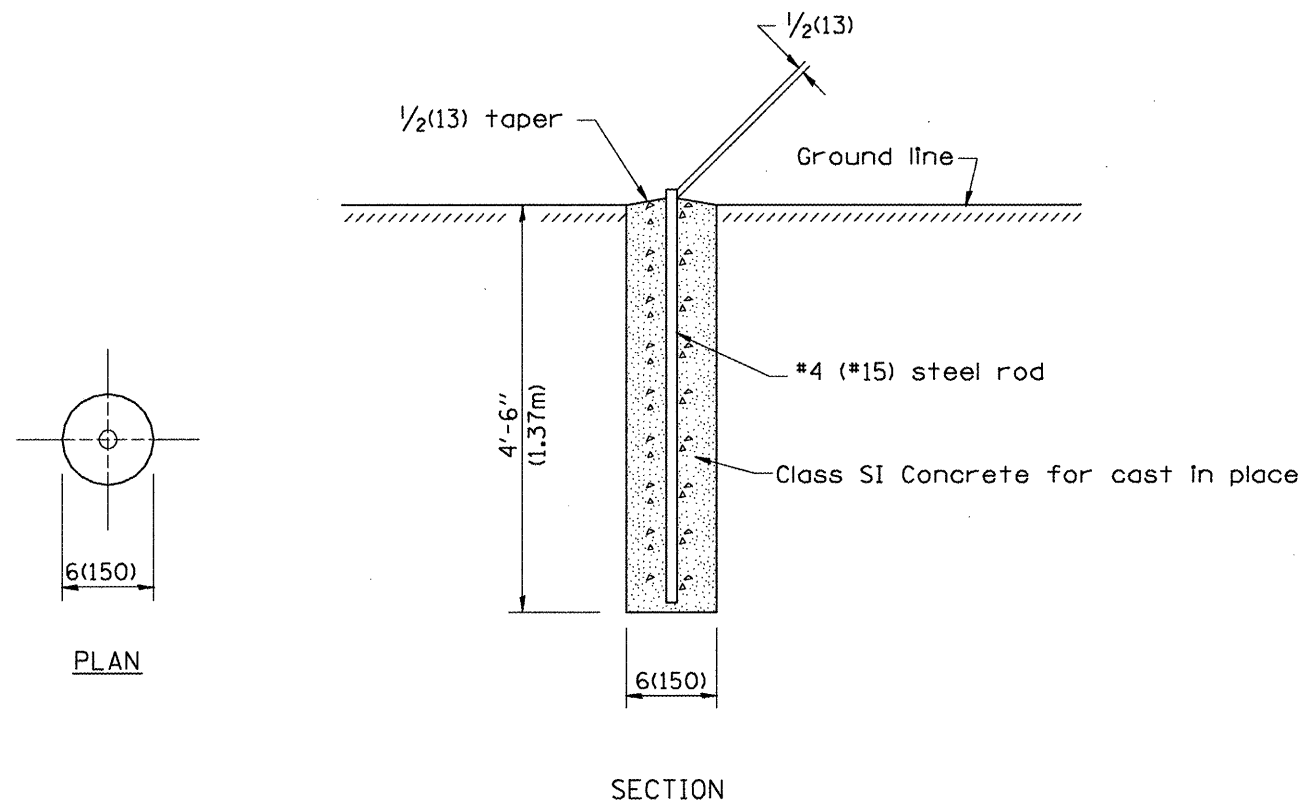
- Permanent Survey Tie
- Section Corner, 1/4 Corner, or other land corner.



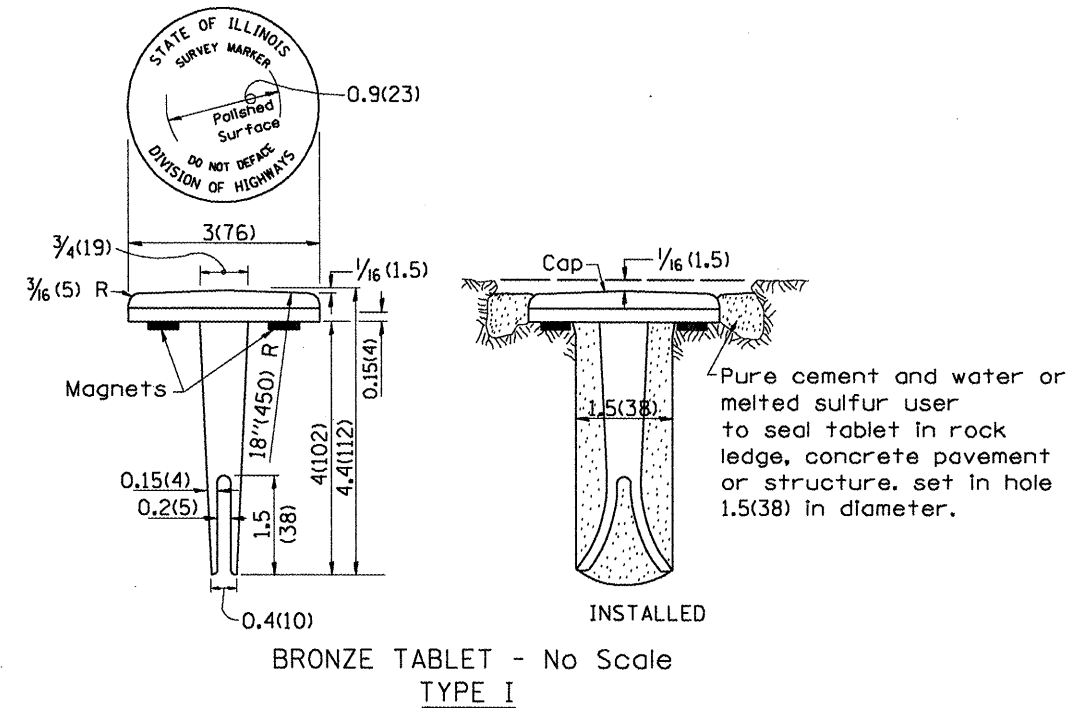
TYPICAL APPLICATION

GENERAL NOTES

1. The marker shall be cast in place of Class SI Concrete.
2. Tie marker shall be installed after the final seeding has been completed unless otherwise specified by the Engineer.
3. The tie distances to the section corner shall be measured and recorded by the IDOT Chief of Surveys.



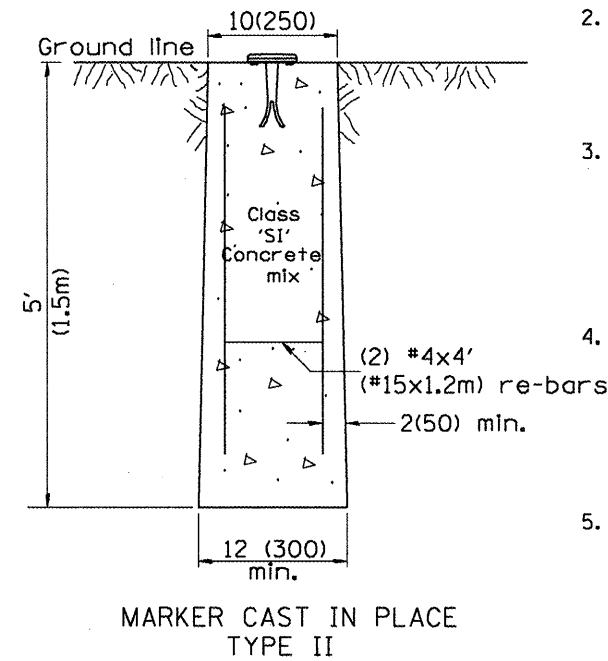
PERMANENT SURVEY MARKERS



BRONZE TABLET - No Scale TYPE I

GENERAL NOTES

1. All type II markers shall be cast in place, and precast markers will not be allowed.
2. Two permanent magnets, each having a diameter of 3/4 (19) and a thickness of 1/16 (6), or equivalent, shall be attached to the underside of the tablet with an approved epoxy bonding agent.
3. The location of the markers shall be in accordance with the plans in general, the markers will be placed at the P.T.'s and P.C.'s of horizontal curves and spaces along the tangents in a way that a minimum of two markers are always inter-visible, and not to exceed 1000' (300m).
4. The markers shall be placed under the direction of the Engineer and shall be installed in a workmanlike manner in order that there will be no further settlement or horizontal shifting. The monuments shall be placed in a way that the survey point will fall within the portion of the plaque provided for that purpose.
5. The project designation, the centerline station, the survey point, and the elevation shall be permanently marked by the use of metal dies after marker has been installed.



MARKER CAST IN PLACE TYPE II

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

ILLINOIS DEPARTMENT OF TRANSPORTATION			
DISTRICT CADD STANDARD			
PERMANENT SURVEY TIE & PERMANENT SURVEY MARKERS TY.I - TY.II			
CADD STD. NO. 667101-D4	DRAWN BY CADD		
SCALE: NOT DRAWN TO SCALE	CHECKED BY		

667101-D4

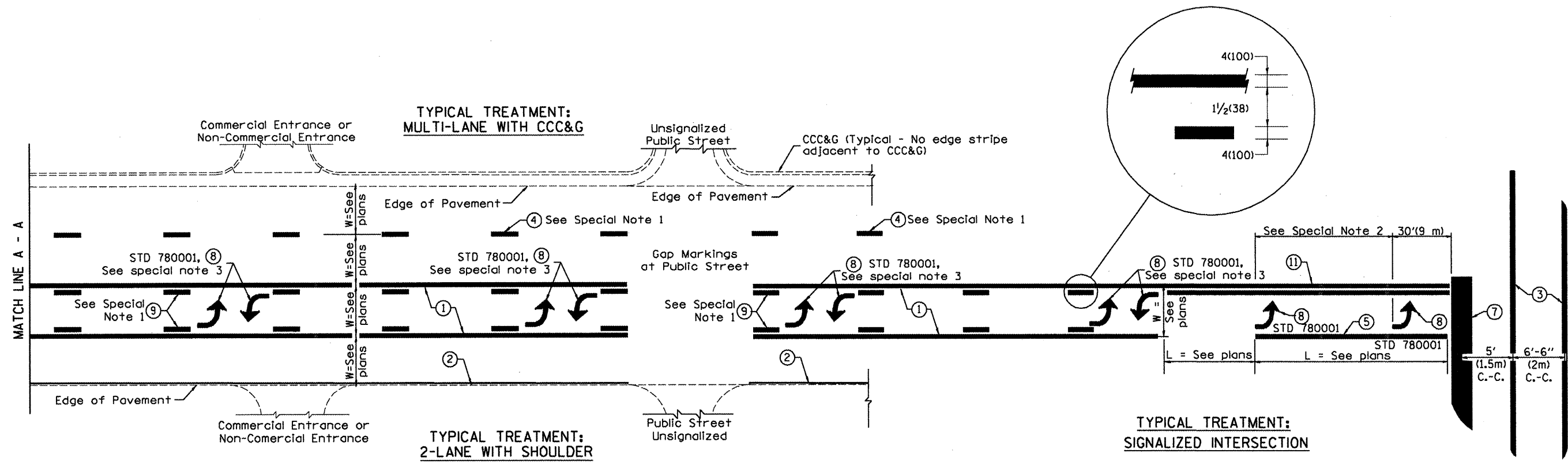
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	PLOT DATE = 8/14/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT CADD STANDARDS

SHEET NO. 4 OF 6 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	25
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 68574		



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE
WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

TYPICAL PAVEMENT MARKING LEGEND
(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m) min C.-C. (White)
2-8(200) Crosswalk @ 6'-6" (2m) min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A)
- ⑪ 4(100) Double Solid (Yellow) (See Table A)

SPECIAL NOTES

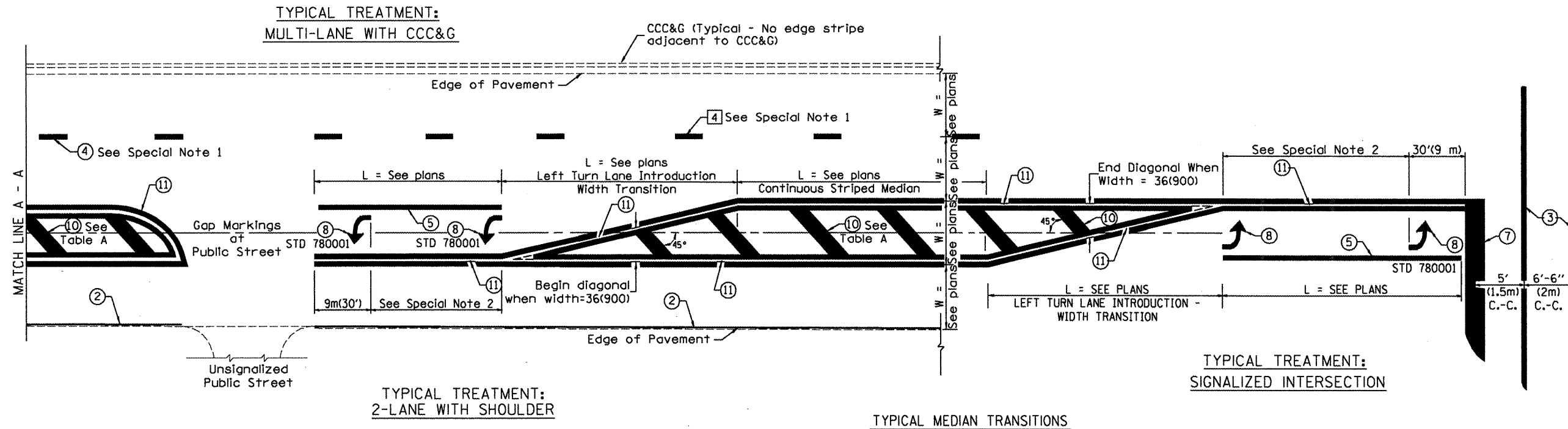
1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
 - A. A minimum of two (2) arrows is required.
 - B. The maximum spacing between arrows is 80' (24 m).
 - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
 - A. A minimum of two (2) arrow pairs is required.
 - B. The maximum spacing between arrow pairs is 200' (61 m).
 - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
 - D. The spacing between BI Directional Left Turn Arrows is 33' (10 m).

GENERAL NOTES

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

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

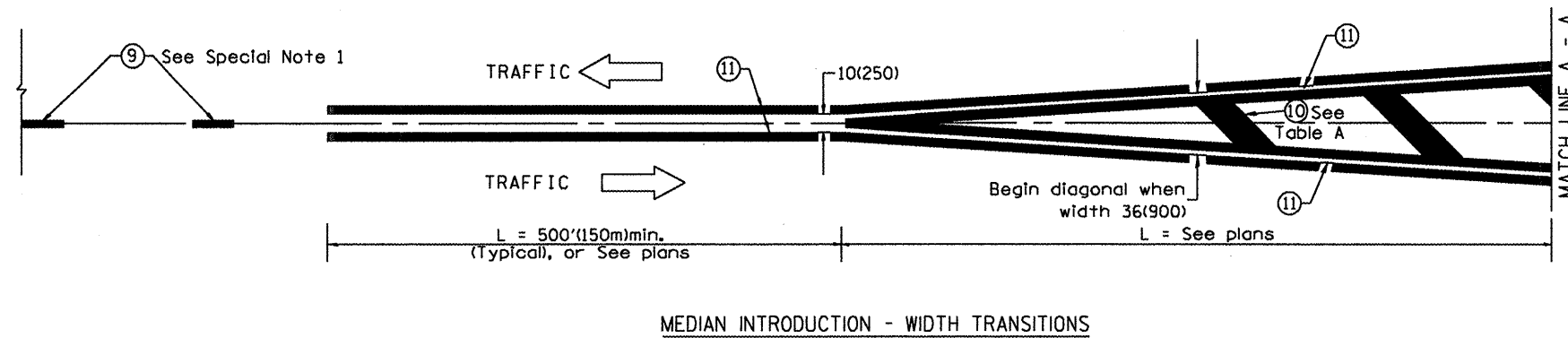
ILLINOIS DEPARTMENT OF TRANSPORTATION				
DISTRICT CADD STANDARD				
TYPICAL PAVEMENT MARKINGS				
CADD STANDARD 780001-D4			SHEET 1 OF 2	
SCALE: NOT DRAWN TO SCALE			DRAWN BY CADD CHECKED BY	
780001-D4 (1)				



FLUSH PAVED MEDIAN: RESTRICTED LEFT TURN LANE

TABLE A
RECOMMENDED SPACING BETWEEN DIAGONAL LINES

SPEED LIMIT RANGE	INTERSECTION CHANNELIZATION (Includes Width Transitions for Median and Left Turn Lane Introductions)	
	CONTINUOUS	
Less Than 30 mph (50 km/h)	50' (15m)	15' (5m)
30 - 45 mph (50 - 70 km/h)	75' (23m)	20' (6m)
Over 45 mph (70 km/h)	150' (46m)	30' (9m)



MEDIAN INTRODUCTION - WIDTH TRANSITIONS

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT CADD STANDARD

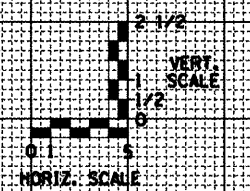
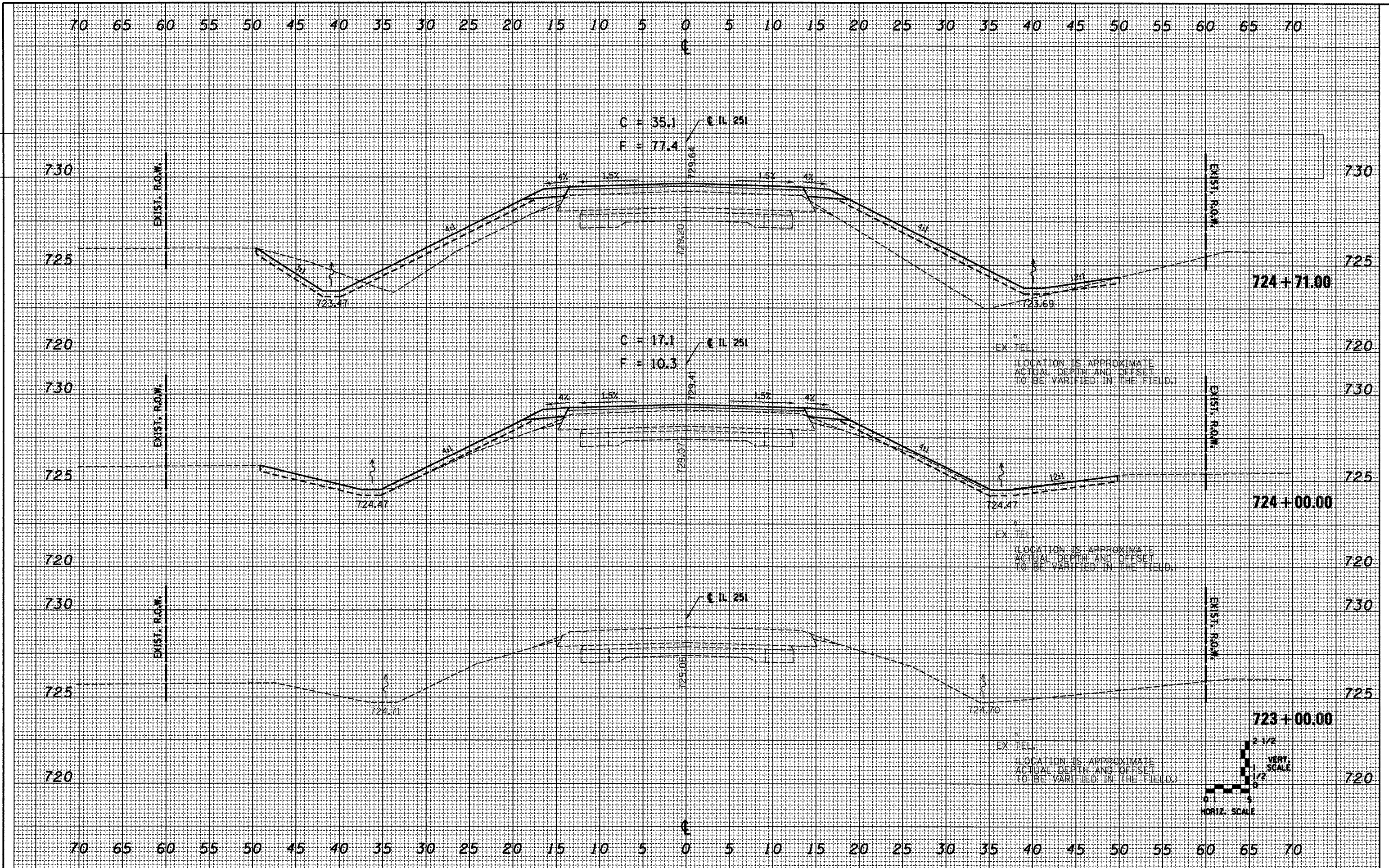
TYPICAL PAVEMENT MARKINGS

CADD STANDARD 780001-D4 SHEET 2 OF 2
SCALE: NOT DRAWN TO SCALE DRAWN BY
CHECKED BY

780001-D4 (2)

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

DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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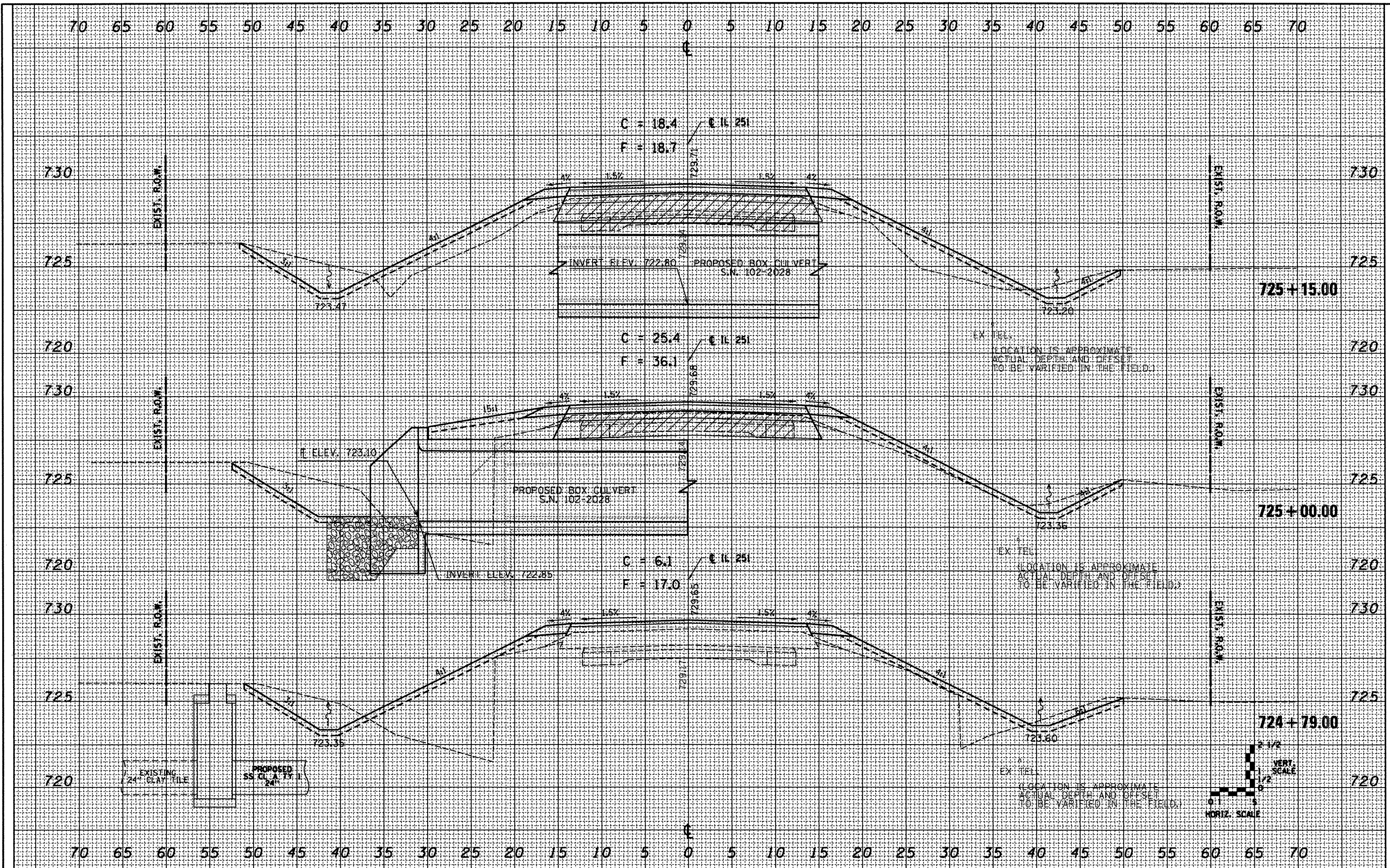
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 251 ROADWAY CROSS SECTIONS
 SCALE: 1"=5'H/2 1/2"V SHEET NO. 1 OF 4 SHEETS STA. 723+00 TO STA. 724+71

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	28
CONTRACT NO. 68574				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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DATE	
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ORIGINAL SURVEY	SURVEYED
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

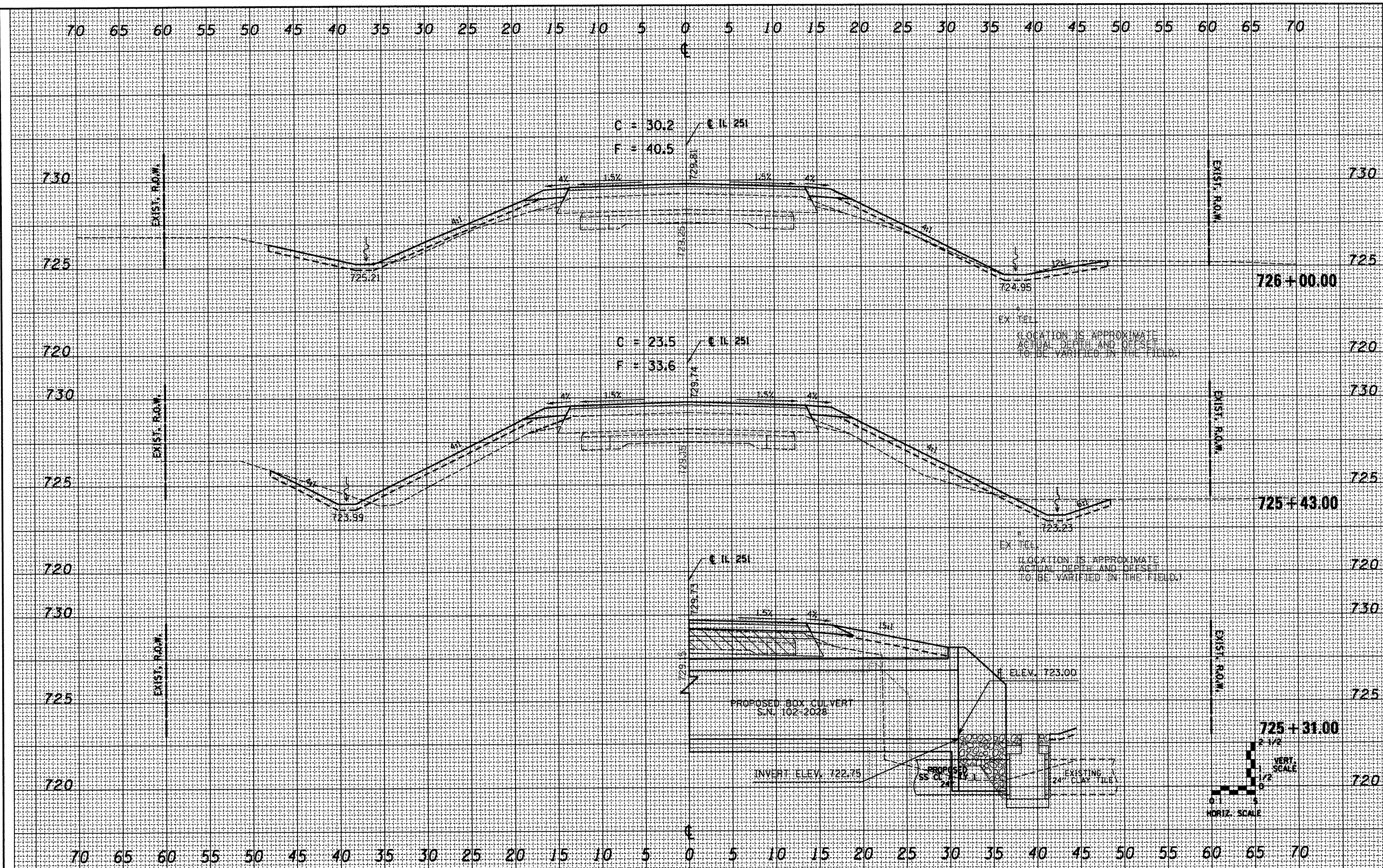
IL 251 ROADWAY CROSS SECTIONS

SCALE: 1"=5'H/2 1/2"V SHEET NO. 2 OF 4 SHEETS STA. 724+79 TO STA. 725+15

F.A.S. RTE. 1360	SECTION 631	COUNTY WOODFORD	TOTAL SHEETS 31	SHEET NO. 29
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 68574				

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____
 NO. _____

BY: _____ DATE: _____
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____
 NO. _____



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

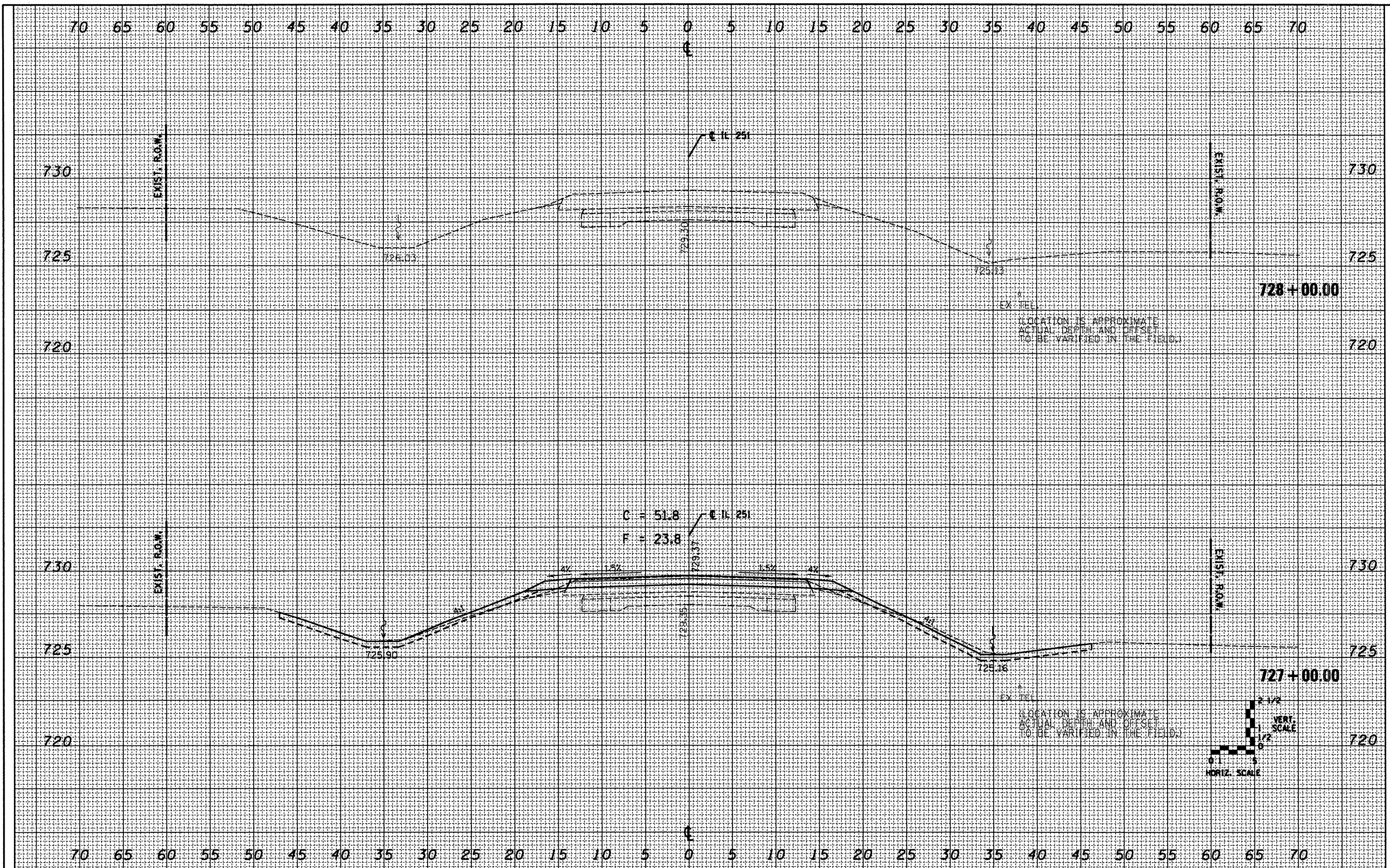
IL 251 ROADWAY CROSS SECTIONS

SCALE: 1"=5'H/2 1/2"V SHEET NO. 3 OF 4 SHEETS STA. 725+43 TO STA. 727+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	30
CONTRACT NO. 68574			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

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

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



FILE NAME = S:\GEN\DRAW\STD\PLNS\SQUAD9-NEW\Active Contracts\68574\ssht.dgn

USER NAME = brucebm
 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 8/14/2008

DESIGNED - KKK
 DRAWN - KKK
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 251 ROADWAY CROSS SECTIONS

SCALE: 1"=5'H/2 1/2'V SHEET NO. 4 OF 4 SHEETS STA. 728+00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	631	WOODFORD	31	31
CONTRACT NO. 68574				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			