

03-09-2018 LETTING ITEM 078

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	4
		ILLINOIS	CONTRACT NO. 72J30	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, BENCHMARKS, AND COMMITMENTS
- 3-6 SUMMARY OF QUANTITIES
- 7 TYPICAL SECTIONS
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- 9 ALIGNMENT, TIES, & BENCHMARKS
- 10 ROADWAY PLAN & PROFILE
- 11 CHANNEL PLAN & PROFILE
- 12 MAINTENANCE OF TRAFFIC DETOUR ROUTE FOR ROAD CLOSURE
- 13-18 CONCRETE BOX CULVERT
- 19 GRANULAR BACKFILL DETAIL
- 20 SOIL BORINGS
- 21-27 CROSS SECTIONS

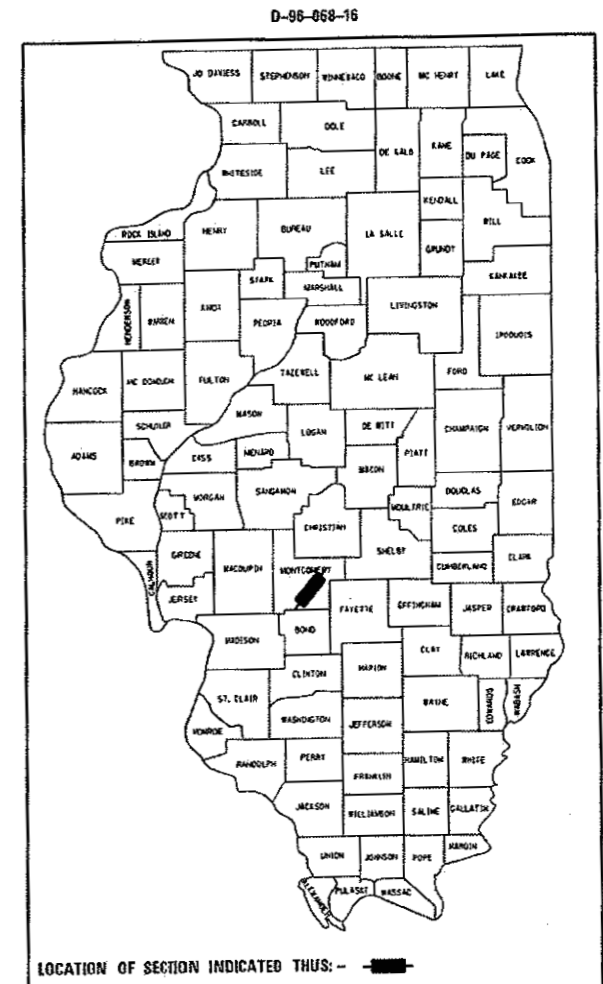
PROPOSED STRUCTURE REPLACEMENT PLANS

FAP ROUTE 325 (IL 16)
SECTION (19) BR
PROJECT NHPP-U9FQ(045)
STRUCTURE REPLACEMENT
MONTGOMERY COUNTY

C-96-068-16

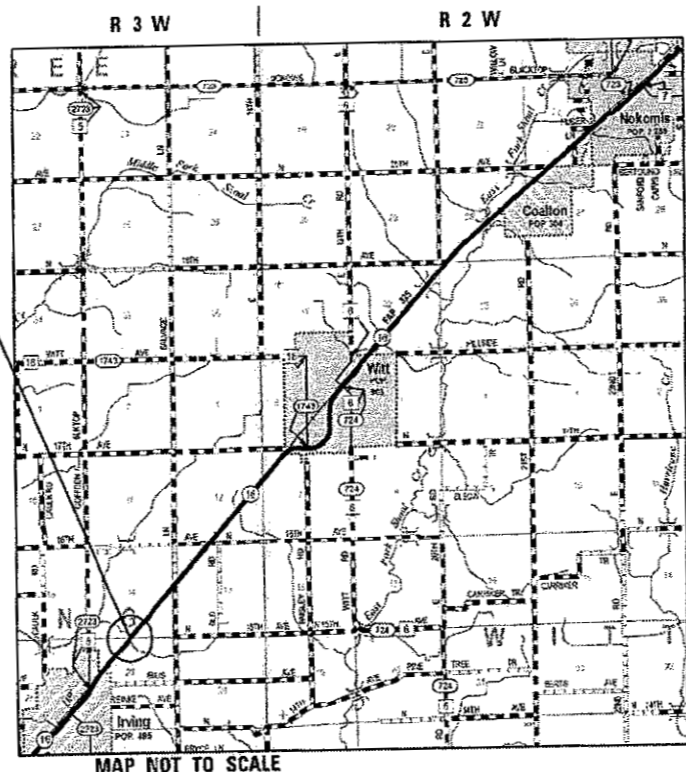
HIGHWAY STANDARDS

000001-06	630301-08
001001-02	701006-05
001006	701201-04
280001-07	701901-07
630001-12	781001-04
630006	782006
630101-10	BLR 21-9
630111	
630201-07	



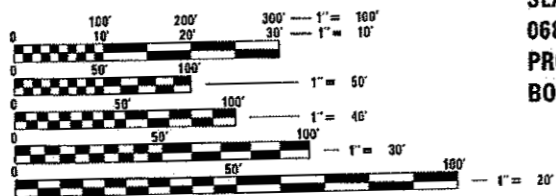
FAP ROUTE 325 (IL 16)
FUNCTIONAL CLASS = OTHER PRINCIPAL ARTERIAL
ADT = 1900 (2017)
MU = 280 (2017)
SU = 120 (2017)
PV = 1500 (2017)

STA. 721 + 35.04
IMPROVEMENT CONSISTS OF DECK SLAB BRIDGE REMOVAL (EX. SN 068-7066) AND REPLACEMENT WITH PROPOSED DOUBLE 7x5 PRECAST BOX CULVERT (PR. SN 068-7073)



LOCATION MAP

NET LENGTH OF PROJECT = 72.69 FEET = 0.014 MILES
GROSS LENGTH OF PROJECT = 608.00 FEET = 0.115 MILES



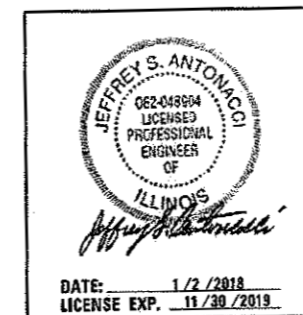
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: JAY EDWARDS (217)785-0597
TEAM MANAGER: FRANK SHIMKUS (217)785-9102



CONTRACT NO. 72J30



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 3 January 2018
Regional Engineer
Feb 2 2018
Engineer of Design and Environment
Feb 2 2018
Director of Program Development

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THESE PLANS HAVE BEEN PREPARED USING STANDARD SYMBOLS AS INDICATED IN THESE PLANS, AND THEY SHALL TAKE PRECEDENCE OVER THOSE SHOWN ON STANDARD 000001 IF THERE IS A CONFLICT.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. THE CONTRACTOR SHALL PROTECT UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, BY CONTACTING THE UTILITY COMPANY DIRECTLY.

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS TAKEN THE FOREGOING INTO CONSIDERATION IN SUBMITTING HIS BID, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS OR INCONVENIENCES CAUSED BY THE SAME.

THE INFORMATION AND DATA SHOWN OR INDICATED ON THESE IMPROVEMENT PLANS WITH RESPECT TO EXISTING UNDERGROUND FACILITIES AND UTILITIES AT OR CONTIGUOUS TO THE SITE IS BASED ON INFORMATION AND DATA FURNISHED BY THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES OR BY OTHERS, FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE TO THE RESIDENT ENGINEER SO THAT UTILITIES CAN BE GIVEN NOTICE. NO GUARANTEE IS IMPLIED AS TO THE ACCURACY OR COMPLETENESS OF ANY SUCH INFORMATION OR DATA; AND CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR REVIEWING AND CHECKING ALL SUCH INFORMATION AND DATA, VERIFYING IF ANY CONFLICTS EXIST WITH THE PROPOSED WORK AND UNDERGROUND FACILITIES AND UTILITIES SHOWN OR INDICATED ON THE IMPROVEMENT PLANS, COORDINATION OF THE WORK WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES AND UTILITIES DURING CONSTRUCTION, AND THE SAFETY AND PROTECTION OF ALL SUCH UNDERGROUND FACILITIES AND UTILITIES AND REPAIR ANY DAMAGE THERETO RESULTING FROM THE WORK AT HIS EXPENSE.

CONSOLIDATED COMMUNICATIONS
301 NORTH MADISON ST.
LITCHFIELD, IL 62056
(866) 989-2255

NEW WAVE COMMUNICATIONS
440 JASPER ST.
PARIS, IL 61944
(888) 863-9928

J.U.L.I.E. 1-800-892-0123

COMMITMENTS
NONE.

RATES OF APPLICATION TABLE	
AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)	2.05 TONS/CU YD
STONE DUMPED RIPRAP	1.50 TON/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.25 POUND/SQ YD
BITUMINOUS MATERIALS (TACK COAT)	0.05 POUND/SQ YD
BITUMINOUS MATERIALS (FOG COAT)	0.025 POUND/SQ FT
BITUMINOUS SURFACE/BINDER (112 LBS)	0.056 TON/SQ YD • IN
SEEDING AREA	
NITROGEN FERTILIZER NUTRIENT	90 LBS/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS/ACRE
AGRICULTURAL GROUND LIMESTONE	2 TON/ACRE
MULCH	2 TON/ACRE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE(S):	HMA SURFACE COURSE MIX C, N50 - 1 1/2" HMA SHOULDER - 1 1/2" (TOP)	HMA BASE COURSE - 9 1/2" HMA SHOULDER - 6 1/2" (BOTTOM)
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE:	MIX C	N/A
QUALITY MANAGEMENT:	OC/OA	OC/OA

4. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
5. ALL SIGNS AND DELINEATORS CONFLICTING WITH TRAFFIC CONTROL OR CONSTRUCTION SHALL BE REMOVED AND REPLACED BY THE CONTRACTORS. THIS WORK WILL BE INCLUDED WITH THE COST FOR TRAFFIC CONTROL ON THE PROJECT. IN ADDITION, THE COST TO RELOCATE SIGNS DESIGNATED ON THE PLAN SHEETS WILL ALSO BE INCIDENTAL TO THE TRAFFIC CONTROL FOR THOSE AREAS.
6. THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217) 782-7314 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.
7. ALL SAW CUTS NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
8. CONTACT THE DISTRICT GEOTECHNICAL ENGINEER TO VERIFY FOUNDATION CONDITIONS MEET PLAN REQUIREMENTS.

DISTRICT SIX

EXAMINED Dec. 11th 20 17
John C. Wenzel
OPERATIONS ENGINEER

EXAMINED Dec 13th 20 17
David S. Johnson
PROJECT IMPLEMENTATION ENGINEER

EXAMINED December 8 20 17
Jeff P. May
PROGRAM DEVELOPMENT ENGINEER

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				PPS #6-00996-0000	
				80% FED, 20% STATE	
				ROADWAY	
				0004	
				RURAL	
20200100	EARTH EXCAVATION	CU YD	464		464
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	45		45
20300100	CHANNEL EXCAVATION	CU YD	43		43
25000200	SEEDING, CLASS 2	ACRE	0.25		0.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	23		23
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	23		23
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	23		23
25000700	AGRICULTURAL GROUND LIMESTONE	TON	0.2		0.2
25100115	MULCH, METHOD 2	ACRE	0.25		0.25
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	11		11
28000400	PERIMETER EROSION BARRIER	FOOT	820		820
28100107	STONE RIPRAP, CLASS A4	SQ YD	919		919
28200200	FILTER FABRIC	SQ YD	919		919
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	227		227

* SPECIALTY ITEM

KNIGHT Engineers & Architects	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED -	REVISED				325	(19) BR	MONTGOMERY	27
SCALE - NONE	DRAWN -	REVISED		SHEET NO. OF SHEETS		CONTRACT NO. 72J30			
DATE - 1/2/2018	CHECKED -	REVISED		ILLINOIS FED. AID PROJECT					

CONSTR. CODE
PPS #6-00996-0000
80% FED, 20% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	
				0004	RURAL
35501322	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SQ YD	195	195	
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	148	148	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	25	25	
40700100	BITUMINOUS MATERIALS (TACK COAT)	POUND	444	444	
44000100	PAVEMENT REMOVAL	SQ YD	211	211	
44004250	PAVED SHOULDER REMOVAL	SQ YD	448	448	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	153	153	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	448	448	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
50200100	STRUCTURE EXCAVATION	CU YD	261	261	
50300225	CONCRETE STRUCTURES	CU YD	49	49	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7400	7400	
51500100	NAME PLATES	EACH	1	1	
54010705	PRECAST CONCRETE BOX CULVERTS 7' X 5'	FOOT	60	60	

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* SPECIALTY ITEM

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KNIGHT Engineers & Architects	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES SHEET NO. OF SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	SCALE - NONE	CHECKED -			REVISED	325	(19) BR	MONTGOMERY	27	4
DATE - 1/2/2018	DRAWN -	REVISED			CONTRACT NO. 72J30					
CHECKED -	REVISED	[ILLINOIS] FED. AID PROJECT								

CONSTR. CODE
 PPS #6-00996-0000
 80% FED, 20% STATE
 ROADWAY
 0004
 RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	20	20
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	739	739
* 63000050	WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE I	FOOT	68	68
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	1007	1007
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	164	164
* 78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	12	12
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	92	92
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

* SPECIALTY ITEM

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CONSTR. CODE
 PPS #6-00996-0000
 80% FED, 20% STATE
 ROADWAY
 0004
 RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
Z0016702	DETOUR SIGNING	L SUM	1	1
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	71	71
* Z0054517	ROCK FILL - FOUNDATION	TON	65	65

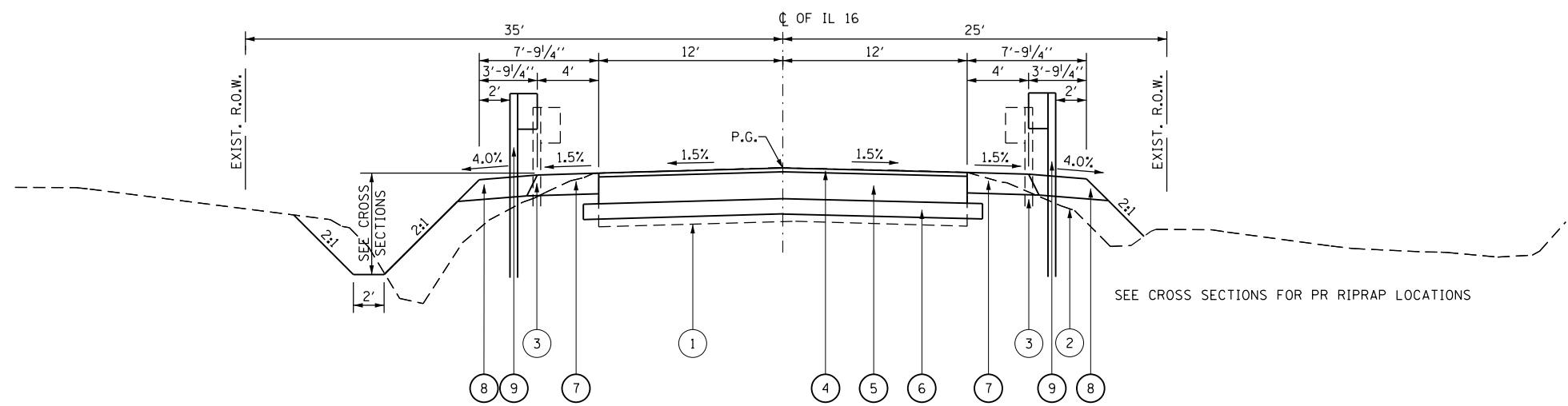
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* SPECIALTY ITEM

* SPECIALTY ITEM

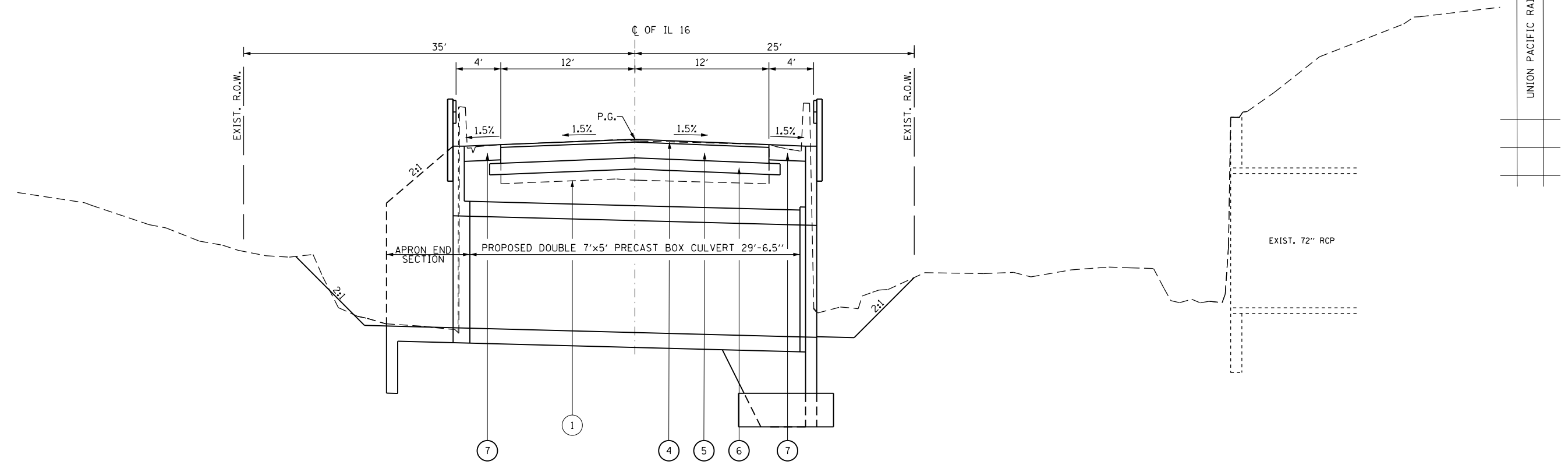
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KNIGHT Engineers & Architects	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	CHECKED -	REVISED			325	(19) BR	MONTGOMERY	27	6	
SCALE - NONE	DRAWN -	REVISED			SHEET NO. OF SHEETS		CONTRACT NO. 72J30			
DATE - 1/2/2018	CHECKED -	REVISED			ILLINOIS FED. AID PROJECT					



ROADWAY PROPOSED TYPICAL SECTION
STA. 720+98.587 TO STA. 721+71.275

- LEGEND**
- ① EXIST. PCC PAVEMENT WITH ASPHALT OVERLAY 27"
 - ② EXIST. TURF SHOULDER
 - ③ EXIST. STEEL PLATE BEAM GUARD RAIL, TO BE REMOVED
 - ④ PROP. HMA SURFACE COURSE, MIX "C", N70, 1 1/2"
 - ⑤ PROP. HMA BASE COURSE, 9 1/2"
 - ⑥ PROP. SUB BASE GRANULAR MATERIAL, TYPE A 8"
 - ⑦ PROP. HMA SHOULDER, 8"
 - ⑧ PROP. AGGREGATE SHOULDER TYPE B, 8"
 - ⑨ PROP. STEEL PLATE BEAM GUARD RAIL, WITH STEEL POSTS



ROADWAY PROPOSED TYPICAL SECTION
STA. 721+38.70 THRU BOX CULVERT



EXIST. 72" RCP

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KNIGHT
Engineers & Architects

DESIGNED	-	REVISED	
CHECKED	-	REVISED	
SCALE	- NONE	DRAWN	-
DATE	- 1/2/2018	CHECKED	-

DESIGNED	-	REVISED	
CHECKED	-	REVISED	
DRAWN	-	REVISED	
CHECKED	-	REVISED	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	7
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	

EARTHWORK SCHEDULE

(1) LOCATION	(2) (Cut) EARTH EXCAVATION (CU YD)	(3) EXCAVATION FOR EMBANKMENT ADJUST. FOR SHRINKAGE (CU YD)	(4) (Fill) EMBANKMENT (CU YD)	(5) EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	(6) (Cut) CHANNEL EXCAVATION (CU YD)
Sta. 718+00 to 724+50 LT Sta. 718+00 to 724+50 RT	351 113	264 85	63 96	201 -11	43
Total	464	348	159	190	43

Column (1), (2),(4),(6) - From Cross Sections
 Column (3) - Quantity of Excavation Adjusted for Shrinkage (Earth Ex. 25 % Assumed, Rock Ex. 0% Assumed)
 Column (5) Earthwork Required: (-) = Quantity of Fill or Embankment Needed
 (+)=Quantity to be Wasted

PAVEMENT REMOVAL			
FROM	TO	LT/RT	QUANTITY SQ YD
720+98	721+71	LT/RT	211
PROJECT TOTAL			211

SUBBASE GRANULAR MATERIAL, TYPE A 8"			
FROM	TO	LT/RT	QUANTITY SQ YD
720+98	721+71	LT/RT	227
PROJECT TOTAL			227

PERIMETER EROSION BARRIER			
FROM	TO	LT/RT	QUANTITY FOOT
Southeast	+	LT	380
Northwest	+	RT	440
PROJECT TOTAL			820

PAINT PAVEMENT MARKING - LINE 5"			
FROM	TO	NOTES	QUANTITY FOOT
720+98	721+71	WHITE	146
720+98	721+71	YELLOW	18
PROJECT TOTAL			164

FILTER FABRIC			
FROM	TO	LT/RT	QUANTITY SQ YD
719+25	720+54	LT	272
720+54	721+00	LT	102
721+00	721+39	LT	69
721+39	721+47	LT	15
721+47	722+04	LT	98
722+04	723+06	LT	187
723+06	723+50	LT	66
723+50	724+00	LT	64
721+13	721+50	RT	45
PROJECT TOTAL			919

STONE RIPRAP, CLASS A4			
FROM	TO	LT/RT	QUANTITY SQ YD
719+25	720+54	LT	272
720+54	721+00	LT	102
721+00	721+39	LT	69
721+39	721+47	LT	15
721+47	722+04	LT	98
722+04	723+06	LT	187
723+06	723+50	LT	66
723+50	724+00	LT	64
721+13	721+50	RT	45
PROJECT TOTAL			919

TEMPORARY EROSION CONTROL SEEDING			
FROM	TO	LT/RT	QUANTITY POUND
718+38	721+14	RT	3.802
721+63	723+50	RT	2.576
719+25	721+30	LT	0.941
721+62	723+00	LT	1.584
723+00	724+29	LT	2.369
PROJECT TOTAL			11

SEEDING, CLASS 2			
FROM	TO	LT/RT	QUANTITY ACRE
718+38	721+14	RT	0.038
721+63	723+50	RT	0.026
719+25	721+30	LT	0.009
721+62	723+00	LT	0.016
723+00	724+29	LT	0.024
PROJECT TOTAL			0.25

*Minimum degree of accuracy per BDE Manual 0.25 acre

NITROGEN FERTILIZER NUTRIENT			
FROM	TO	LT/RT	QUANTITY POUND
718+38	721+14	RT	3.4
721+63	723+50	RT	2.3
719+25	721+30	LT	0.8
721+62	723+00	LT	1.4
723+00	724+29	LT	2.1
PROJECT TOTAL			23

*Minimum degree of accuracy per BDE Manual 0.25 acre at 90lbs/acre

POTASSIUM FERTILIZER NUTRIENT			
FROM	TO	LT/RT	QUANTITY POUND
718+38	721+14	RT	3.4
721+63	723+50	RT	2.3
719+25	721+30	LT	0.8
721+62	723+00	LT	1.4
723+00	724+29	LT	2.1
PROJECT TOTAL			23

*Minimum degree of accuracy per BDE Manual 0.25 acre at 90lbs/acre

PHOSPHORUS FERTILIZER NUTRIENT			
FROM	TO	LT/RT	QUANTITY POUND
718+38	721+14	RT	3.4
721+63	723+50	RT	2.3
719+25	721+30	LT	0.8
721+62	723+00	LT	1.4
723+00	724+29	LT	2.1
PROJECT TOTAL			23

*Minimum degree of accuracy per BDE Manual 0.25 acre at 90lbs/acre

MULCH, METHOD 2			
FROM	TO	LT/RT	QUANTITY ACRE
718+38	721+14	RT	0.038
721+63	723+50	RT	0.026
719+25	721+30	LT	0.009
721+62	723+00	LT	0.016
723+00	724+29	LT	0.024
PROJECT TOTAL			0.25

*Minimum degree of accuracy per BDE Manual 0.25 acre

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70			
FROM	TO	LT/RT	QUANTITY TON
720+98	721+71	LT/RT	25
PROJECT TOTAL			25

HOT-MIX ASPHALT SHOULDERS, 8"			
FROM	TO	LT/RT	QUANTITY FOOT
719+25	724+29	LT	224
718+38	723+41	RT	224
PROJECT TOTAL			448

GUARDRAIL REMOVAL			
FROM	TO	LT/RT	QUANTITY FOOT
719+25	724+29	LT	504
718+38	723+41	RT	503
PROJECT TOTAL			1007

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS			
FROM	TO	LT/RT	QUANTITY FOOT
719+75	721+30	LT	155
721+48	723+79	LT	231
718+88	721+14	RT	226
721+64	722+91	RT	127
PROJECT TOTAL			739

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT			
FROM	TO	LT/RT	QUANTITY FOOT
719+25	719+75	LT	1
718+38	718+88	RT	1
723+79	724+29	LT	1
722+91	723+41	RT	1
PROJECT TOTAL			4

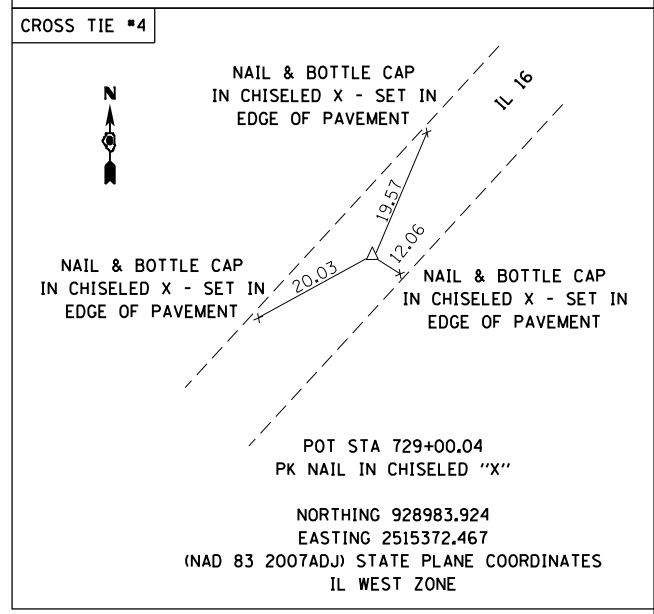
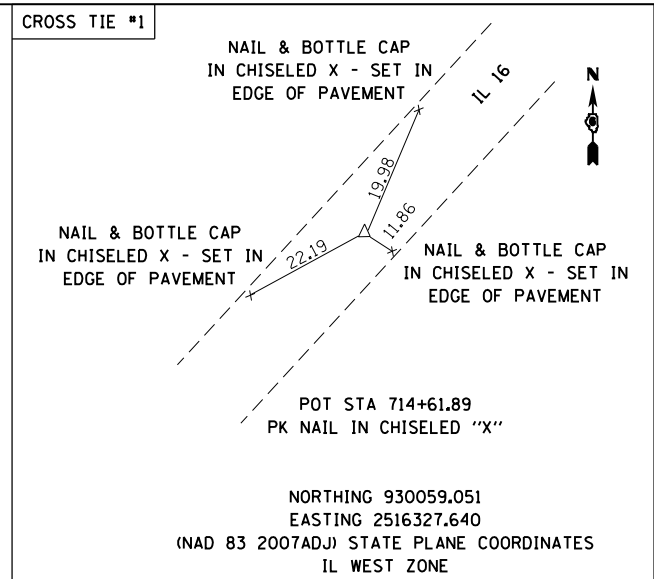
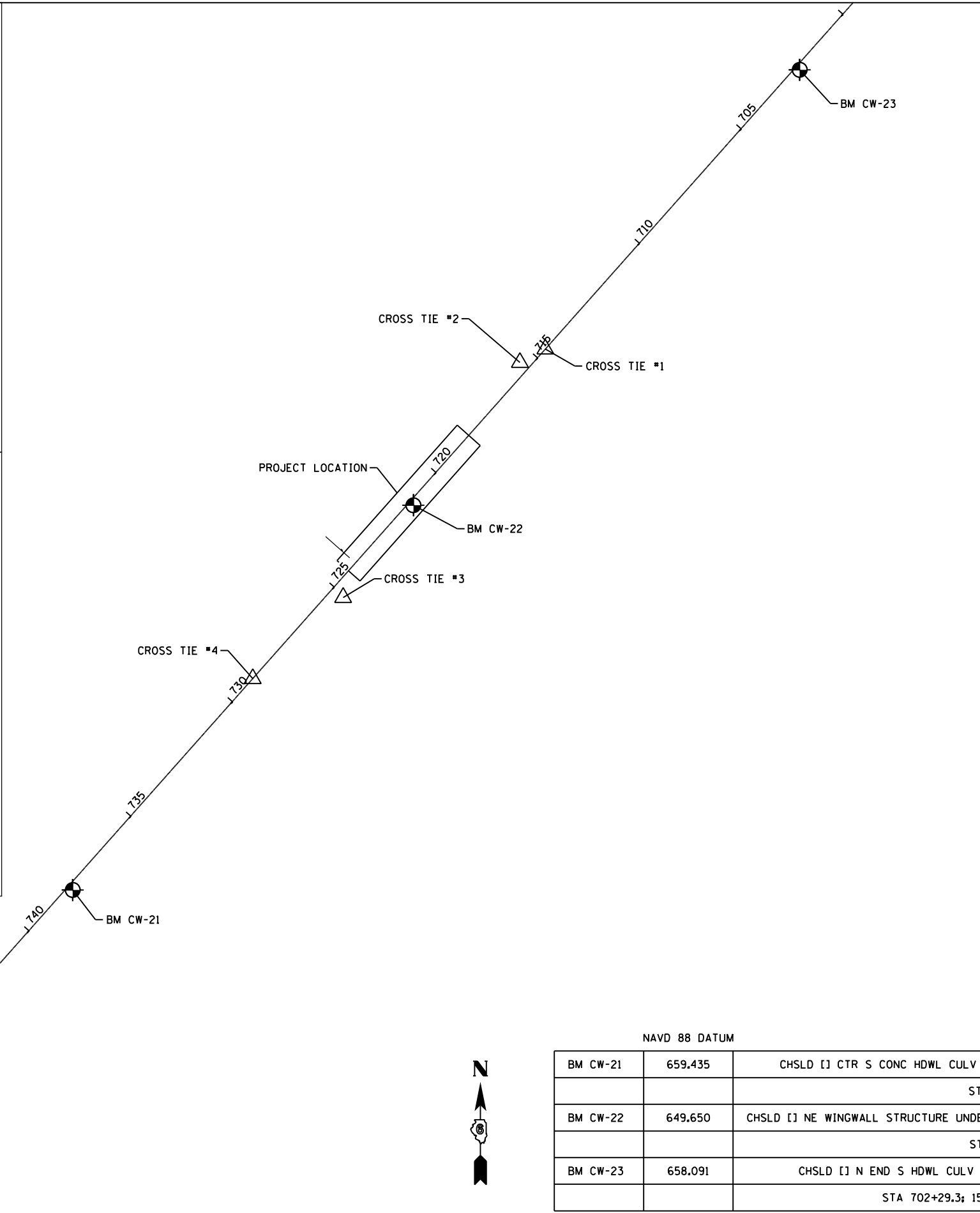
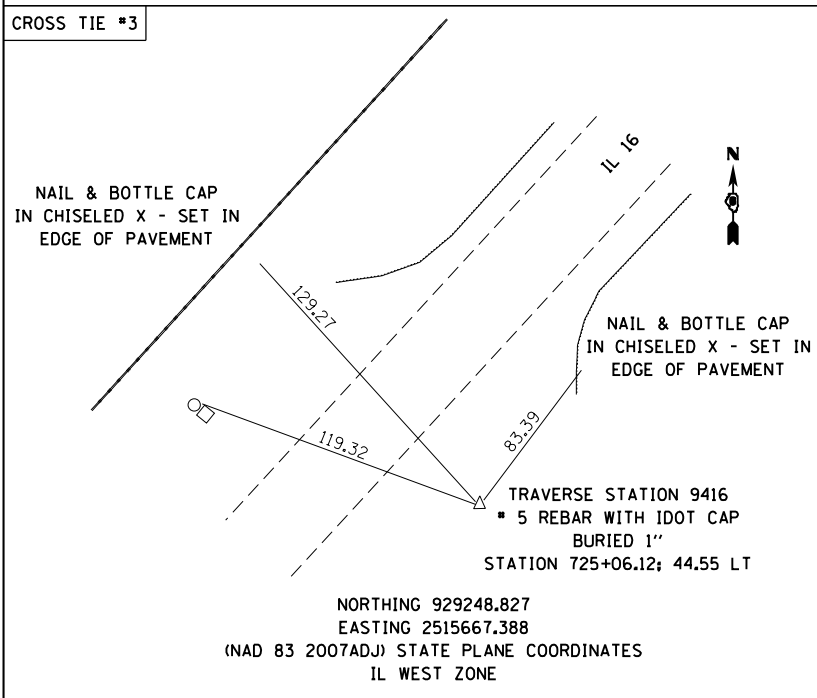
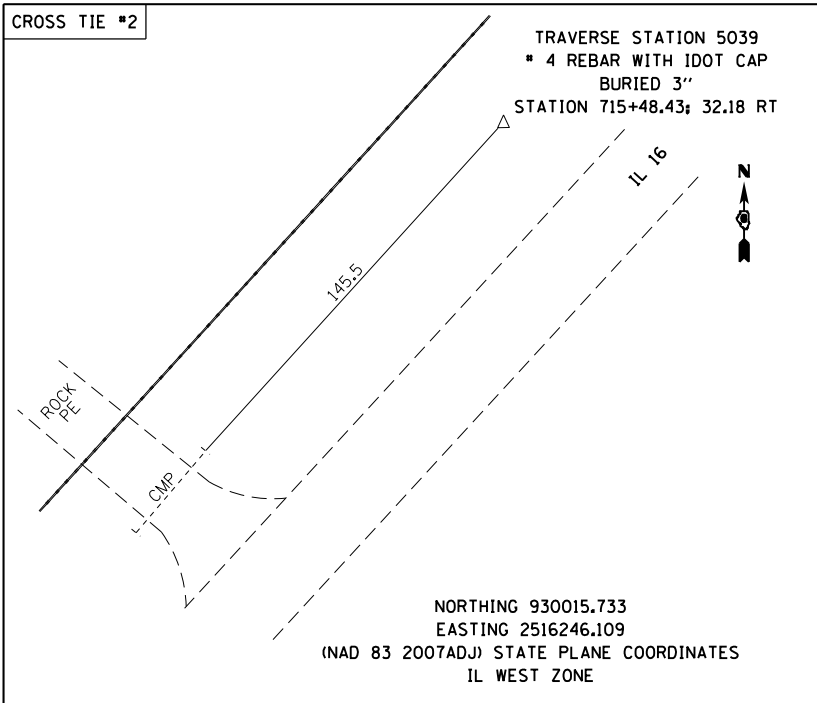
WEAK POST GUARDRAIL ATTACHED TO CULVERT CASE 1			
FROM	TO	LT/RT	QUANTITY FOOT
721+34	721+52	LT	18
721+14	721+64	RT	50
PROJECT TOTAL			68

AGRICULTURAL GROUND LIMESTONE			
FROM	TO	LT/RT	QUANTITY TON
718+38	721+14	RT	0.076
721+63	723+50	RT	0.052
719+25	721+30	LT	0.019
721+62	723+00	LT	0.032
723+00	724+29	LT	0.047
PROJECT TOTAL			0.2

*Minimum degree of accuracy per BDE Manual 0.1 Ton

AGGREGATE SHOULDERS, TYPE B			
FROM	TO	NOTES	QUANTITY FOOT
719+25	724+29	+	77
718+38	723+41	+	76
PROJECT TOTAL			153

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NAVD 88 DATUM

BM CW-21	659.435	CHSLD [] CTR S CONC HDWL CULV UNDER FIELD ENT SE SIDE IL16, 0.33 MILE NE OF ELLIS AVE
		STA 738+05.8; 18.8 LT OF A017
BM CW-22	649.650	CHSLD [] NE WINGWALL STRUCTURE UNDER IL16, SE SIDE HIGHWAY 0.64 MILE NE OF ELLIS AVE STA 721+35
		STA 721+28.7; 16.5 LT OF A017
BM CW-23	658.091	CHSLD [] N END S HDWL CULV UNDER IL16, SE SIDE HIGHWAY 0.51 MILE SW OF 17TH AVE.
		STA 702+29.3; 15.4 LT OF A017 (NOTE: HDWL COARSE)

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 Default

KNIGHT
 Engineers & Architects

DESIGNED -	REVIS
CHECKED -	REVIS
SCALE - NONE	REVIS
DATE - 1/2/2018	REVIS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT, TIES, & BENCHMARKS

SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	9
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	

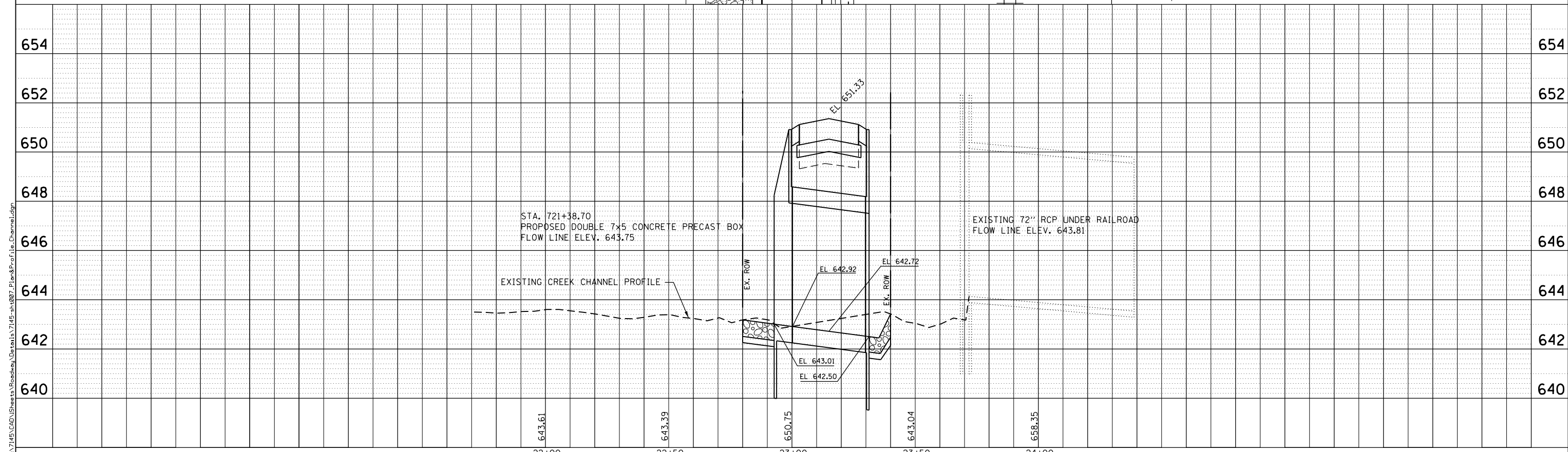
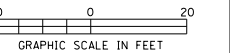
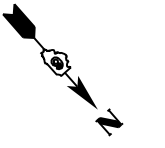
PAVEMENT REMOVAL
 STA 720+98.59 TO STA 721+71.28
 SPBGR TO BE REPLACED
 LT. STA 719+25 TO STA 724+29
 RT. STA 718+38 TO STA 723+41

LIMITS OF CONSTRUCTION

EXISTING 10' DECK
 SLAB BRIDGE
 EX SN 068-7066

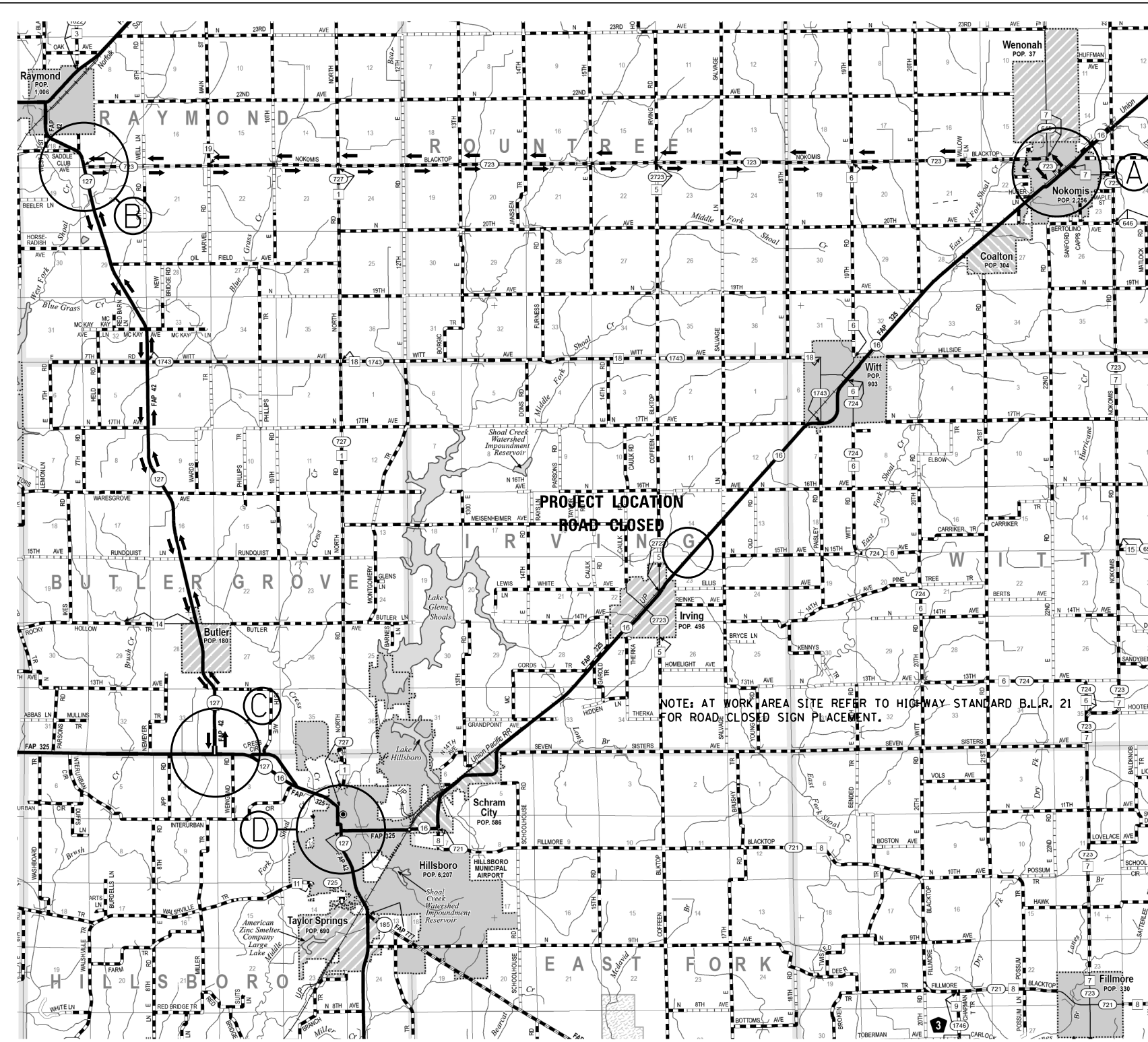
STA. 721+38.70
 STRUCTURE REPLACEMENT
 PR SN 068-7073

LIMITS OF CONSTRUCTION

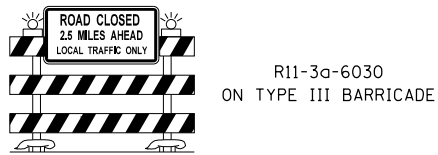


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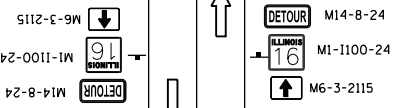
KNIGHT Engineers & Architects	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHANNEL PLAN & PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	SCALE - NONE	DRAWN -			325	(19) BR	MONTGOMERY	27	11
DATE - 1/2/2018	CHECKED -	REVISED -	SHEET NO. OF SHEETS		CONTRACT NO. 72J30				
					ILLINOIS FED. AID PROJECT				



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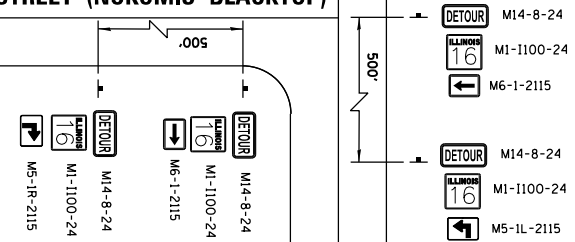


NOTE: ROAD CLOSED SIGN & BARRICADE TO BE PLACED AT SOUTHWEST CITY LIMIT OF WITT, NORTHEAST CITY LIMIT OF SCHRAM CITY AND IRVING ADJACENT TO IL ROUTE 16.

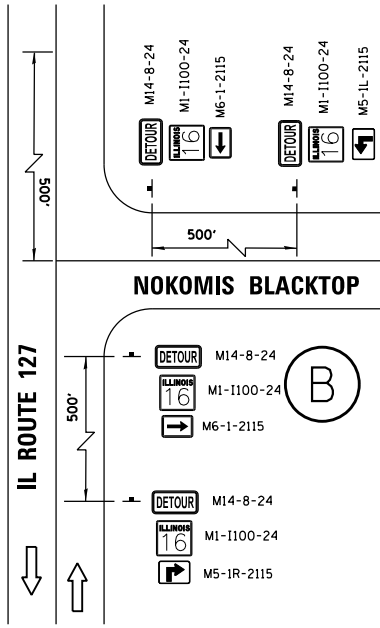


NOTE: DETOUR SIGN ASSEMBLY TO BE PLACED AT APPROXIMATELY EVERY 5 MILES ALONG THE DETOUR ROUTE.

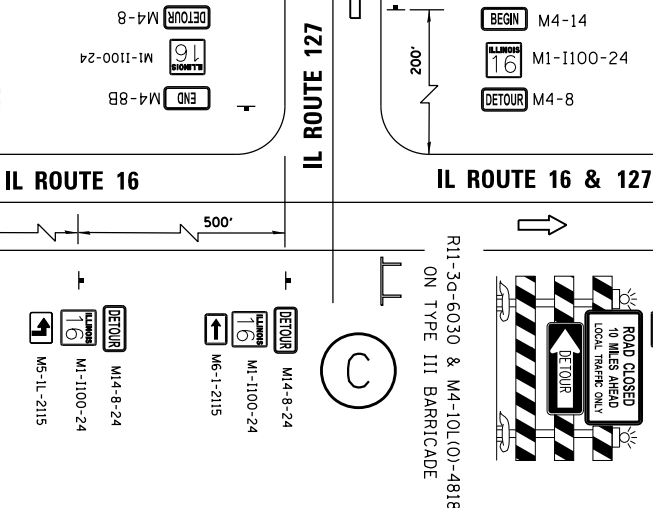
MADISON STREET (NOKOMIS BLACKTOP)



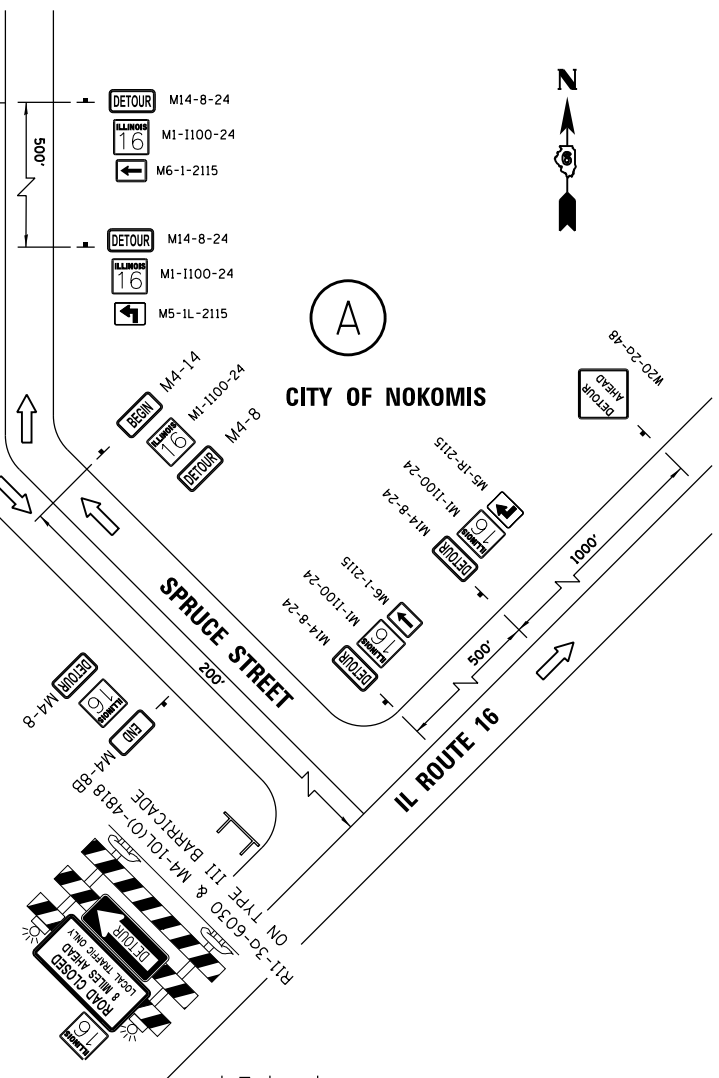
NOKOMIS BLACKTOP



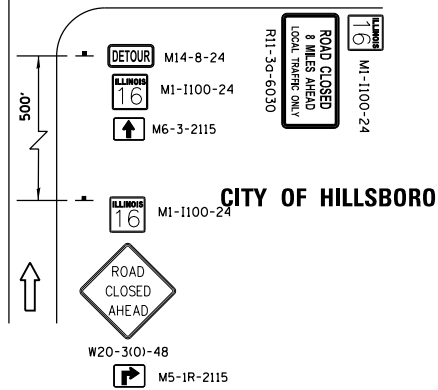
IL ROUTE 16 & 127



CITY OF NOKOMIS



IL ROUTE 16



CITY OF HILLSBORO

KNIGHT
Engineers & Architects

DESIGNED -
CHECKED -
SCALE - NONE
DATE - 1/2/2018

REVISOR -
REVISOR -
DRAWN -
CHECKED -

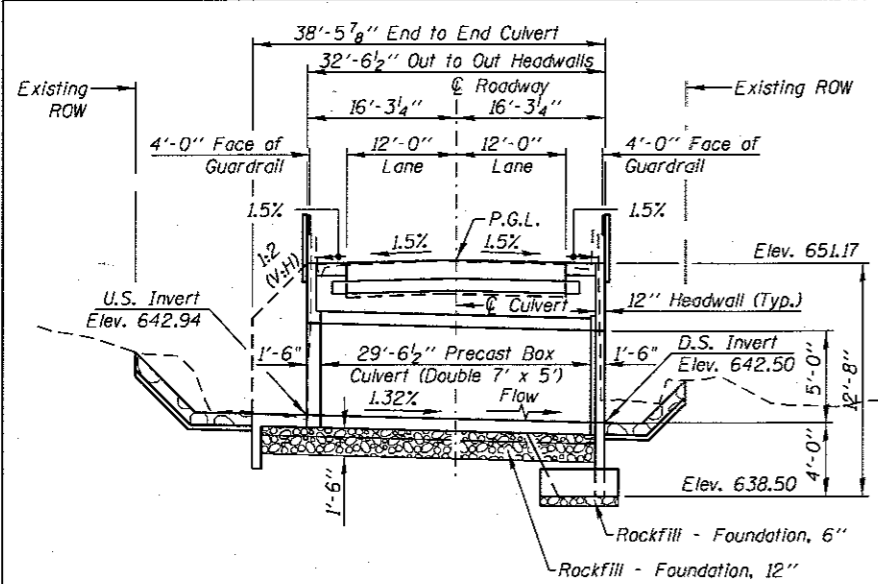
DESIGNED -
CHECKED -
SCALE - NONE
DATE - 1/2/2018

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
DETOUR ROUTE FOR ROAD CLOSURE**

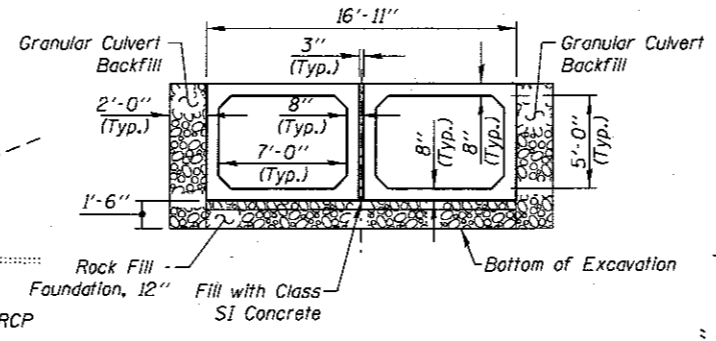
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	12
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	

Bench Mark: Chiseled square on NE wingwall, Sta. 721+28.70, 16.5' LT
 Existing Structure: The existing structure number 068-7066 is an existing concrete deck slab bridge spanning 14' from back to back of abutments.
 Proposed Structure: The proposed structure number 068-7073 will be a 32'-6 1/2" long double 7'x5' precast concrete box culvert that will replace the existing structure.



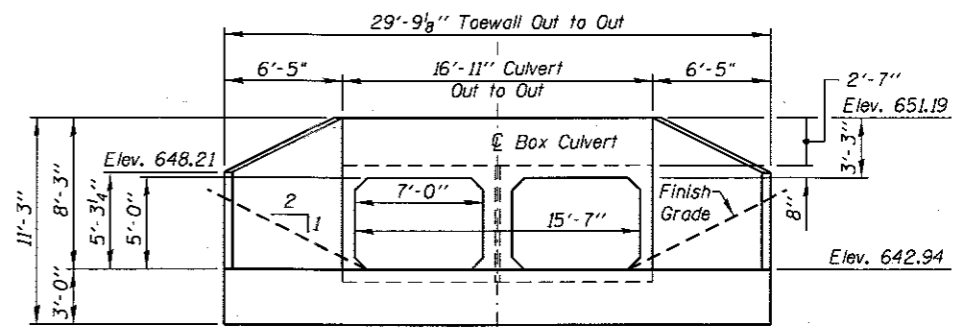
**LONGITUDINAL SECTION
(LOOKING SOUTH)**

Note: The Rockfill - Foundation shall be capped with 6 in. of CA7 Aggregate Bedding Material and satisfy the Standard Specifications. The cost of the capping material shall be included in the pay item for Precast Concrete Box Culverts.

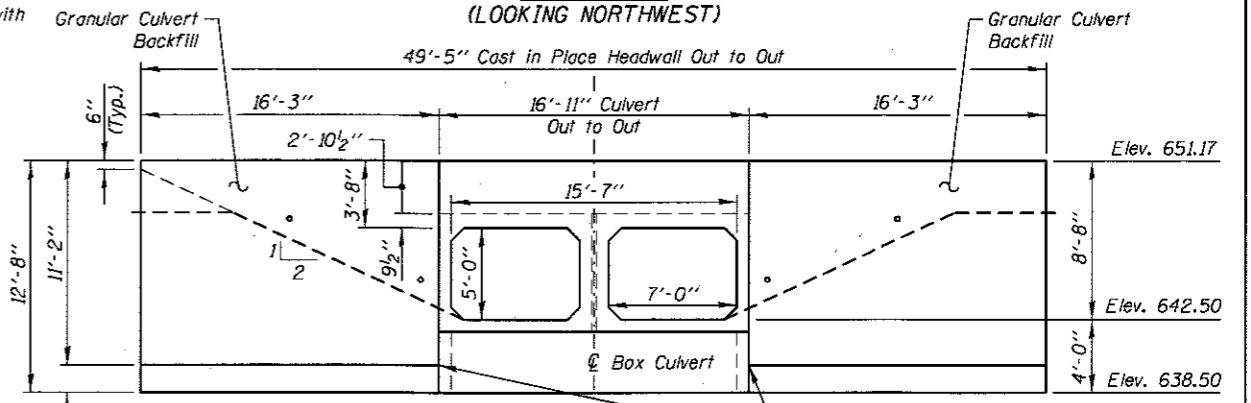


SECTION THRU PRECAST BOX CULVERT

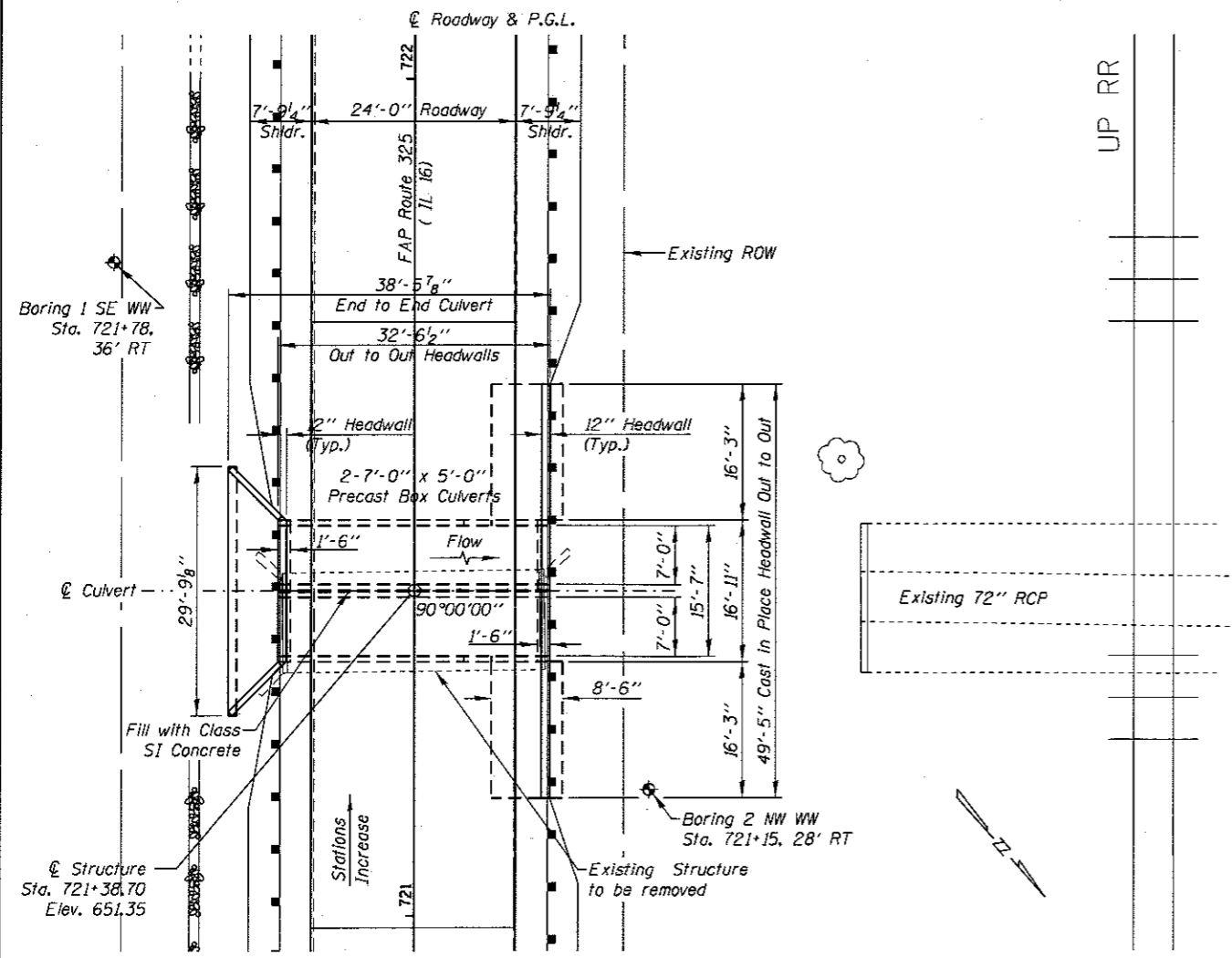
Note: The 3" nominal space between adjacent precast concrete box culverts shall be filled with Class SI concrete in accordance with Article 540.06 of the Standard Specifications. Cost included with Precast Concrete Box Culverts.



**ELEVATION
(LOOKING NORTHWEST)**



**ELEVATION
(LOOKING SOUTHEAST)**



PLAN

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures, No. 1	Each	1
Structure Excavation	Cu. Yd.	261
Concrete Structures	Cu. Yd.	49
Reinforcement Bars, Epoxy Coated	Pound	7400
Name Plates	Each	1
Precast Concrete Box Culverts, 7' x 5'	Foot	60
Geocomposite Wall Drain	Sq. Yd.	20
Granular Culvert Backfill	Cu. Yd.	71
Rock Fill - Foundation	Ton	65

WATERWAY INFORMATION

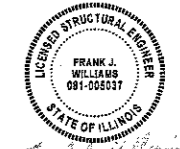
Drainage Area = 0.94 sq. mi. Low Grade Elev. 651.2 @ Sta. 721+50.00

Flood	Freq. Yr.	Opening Sq. Ft.		Head - Ft.		Headwater El.			
		Exist.	Prop.	Exist.	Prop.	Exist.	Prop.		
Overtopping	5	260	42	53	647.41	5.2	5.2	652.6	652.6
	10	351	46	59	647.87	8.5	8.5	656.4	656.4
Design	50	571	53	60	648.76	11.0	11.0	659.8	659.8
Base	100	671	53	60	649.09	10.7	10.7	659.8	659.8
Max. Calculation	500	914	53	60	649.77	10.2	10.2	660.0	660.0

Note: Proposed culvert invert is designed to match proposed flowlines of future additional 2-60" pipe culverts to be installed under existing CE&I Railroad embankment.

STATION 721+38.70
 BUILT 2018 BY
 STATE OF ILLINOIS
 LOADING HL-93
 STRUCTURE NO. 068-7073

NAME PLATE
 See Std. 515001



Expires 11-30-2018
 Date: 01-02-2018
 for drawings
 SA-01 thru SA-06

DESIGN SPECIFICATIONS
 2014 AASHTO LRFD Bridge Design
 Specifications, 7th Edition with 2015 & 2016 Interims

LOADING HL-93

DESIGN STRESSES

FIELD UNITS
 f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)
PRECAST UNITS
 f'c = 5,000 psi

**GENERAL PLAN & ELEVATION
 IL 16 OVER CREEK**

KNIGHT
 Engineers & Architects

DESIGNED -
 CHECKED -
 DRAWN -
 CHECKED -
 SCALE - NONE
 DATE - 1/26/2018

DESIGNED -
 CHECKED -
 DRAWN -
 CHECKED -
 REVISED
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 REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

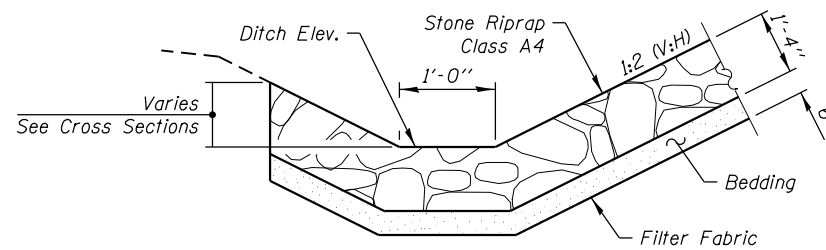
**GENERAL PLAN
 AND ELEVATION**

SHEET NO. SA-01 OF 6 SHEETS

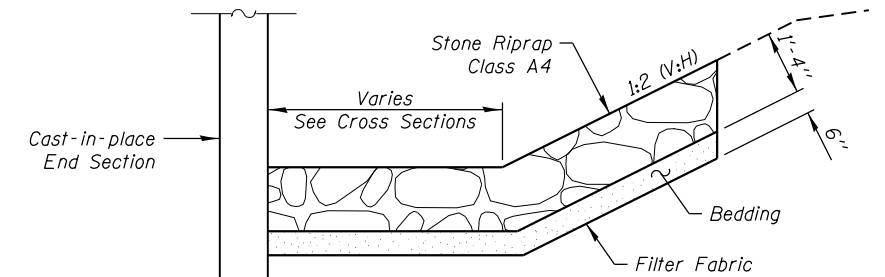
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	13
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	

GENERAL NOTES:

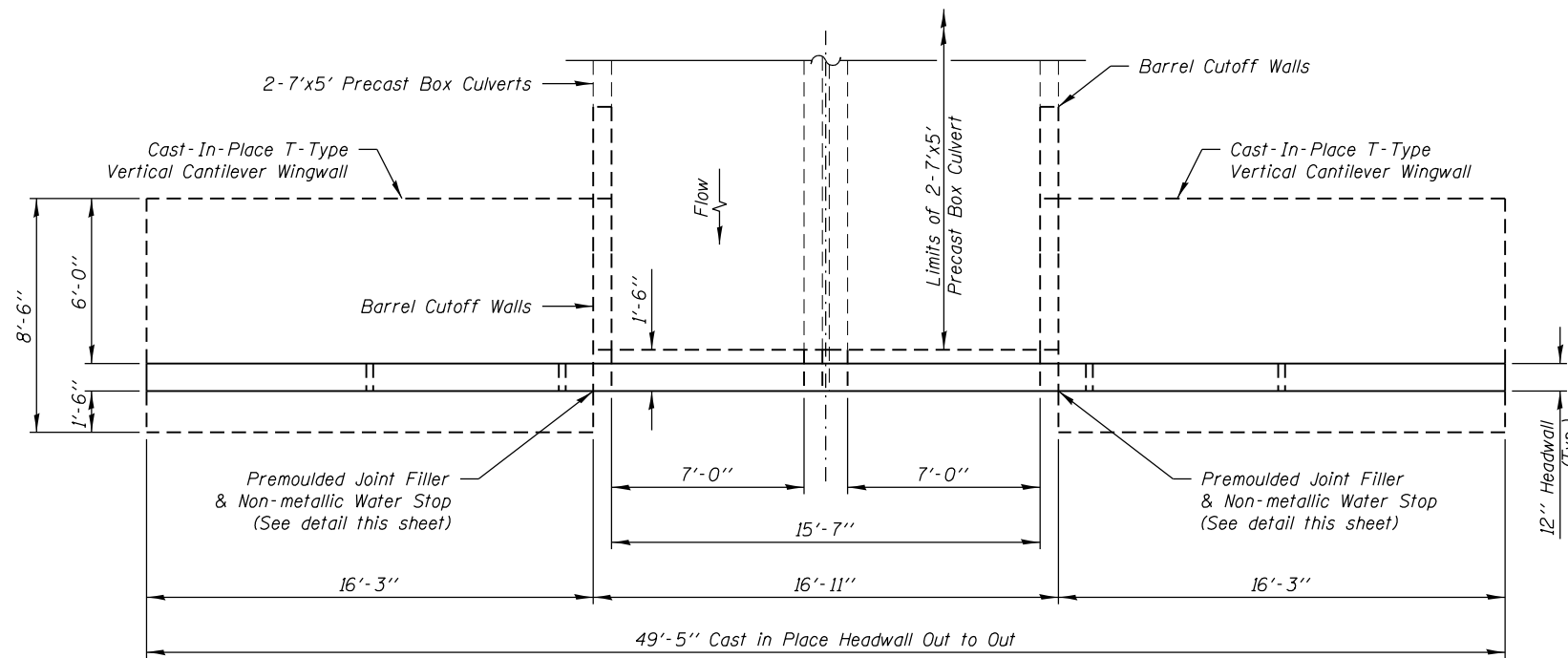
1. Box Culvert End Sections are to be Cast-In-Place.
2. Structure excavation and grading around the ends of the culvert shall not be paid for separately, but excavation for the Precast Box Culverts shall be included in the contract unit price for "Precast Concrete Box Culverts 7x5."
3. Exposed edges shall have a 3/4" Chamfer.
4. All clearances called out between rebar & forms are absolute minimums. Call outs between rebar mats are approximate & for contractor's reference only.



DITCH RIPRAP DETAIL



RIPRAP DETAIL ALONG END SECTIONS

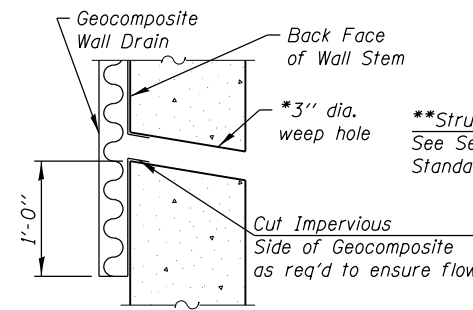


PLAN

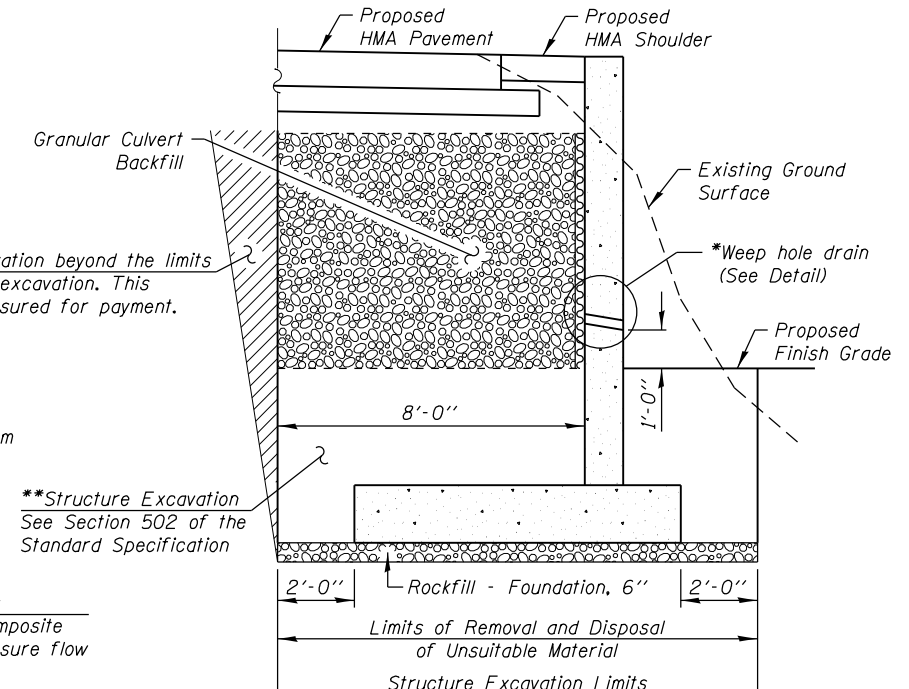
* Weep hole spacing shall be at ±8'-0" horizontally.

** Backfill remainder of structure excavation and over excavation with suitable material and compaction requirements as directed by the Engineer.

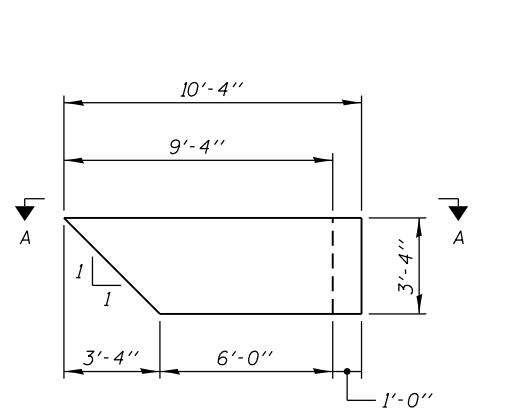
**Over excavation beyond the limits of structure excavation. This area not measured for payment.



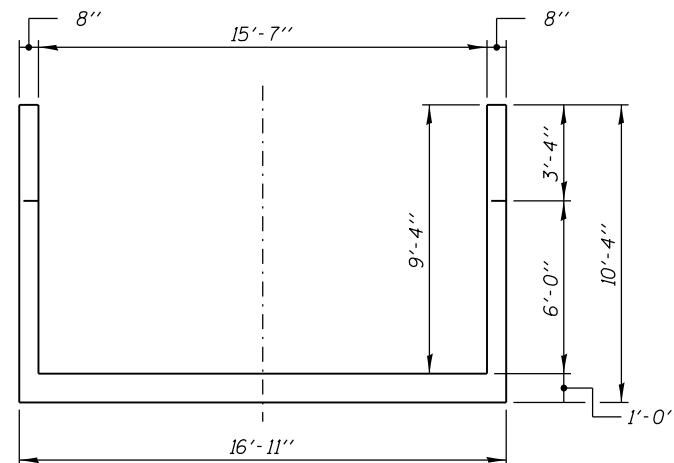
WEEP HOLE DRAIN DETAIL



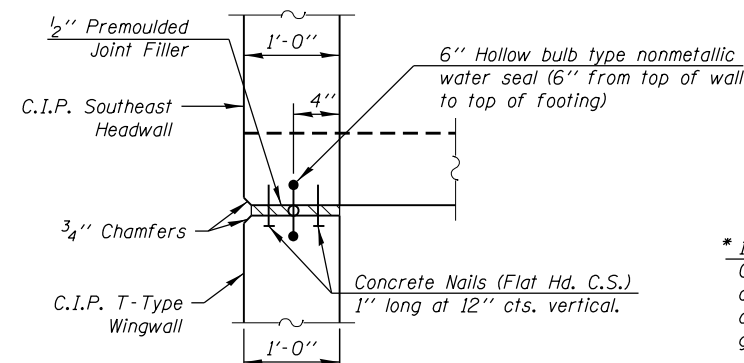
T-TYPE WALL DRAINAGE DETAILS



BARREL CUTOFF WALL ELEVATION



SECTION A-A



JOINT DETAIL

* Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Perimeter of fabric shall be sealed to the concrete with mastic.

* 12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

* Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

HEADWALL DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

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KNIGHT
Engineers & Architects

SCALE - NONE
DATE - 1/2/2018

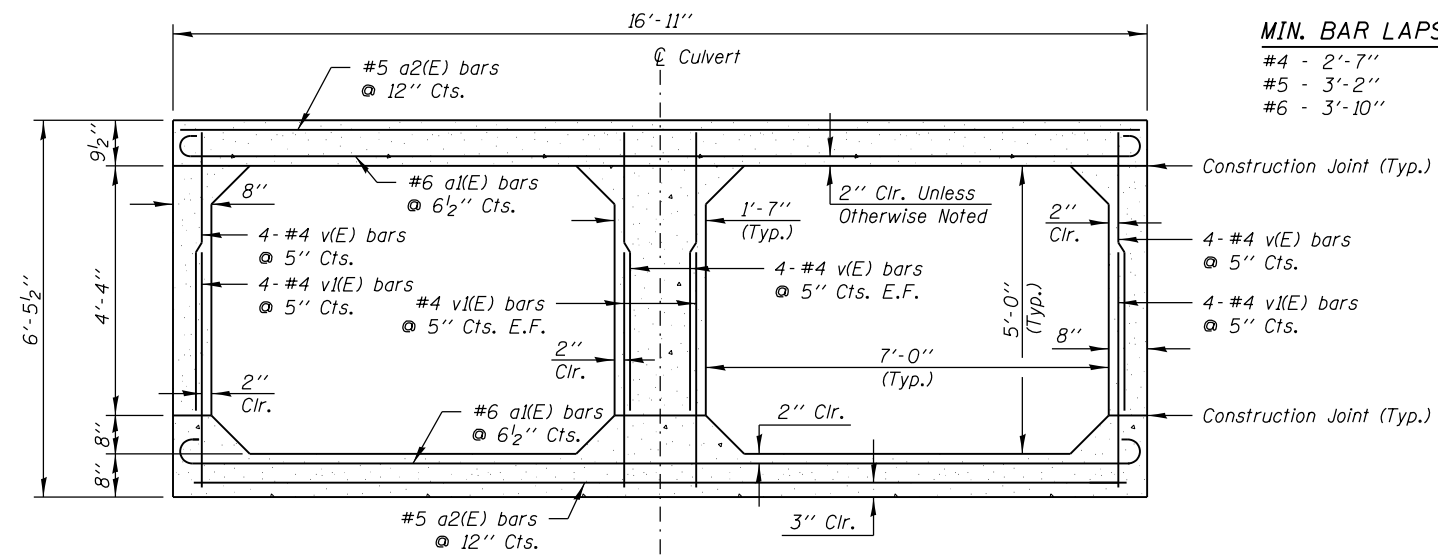
DESIGNED -
CHECKED -
DRAWN -
CHECKED -

REVISED
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WEST END SECTION DETAILS
SHEET NO. SA-02 OF 6 SHEETS

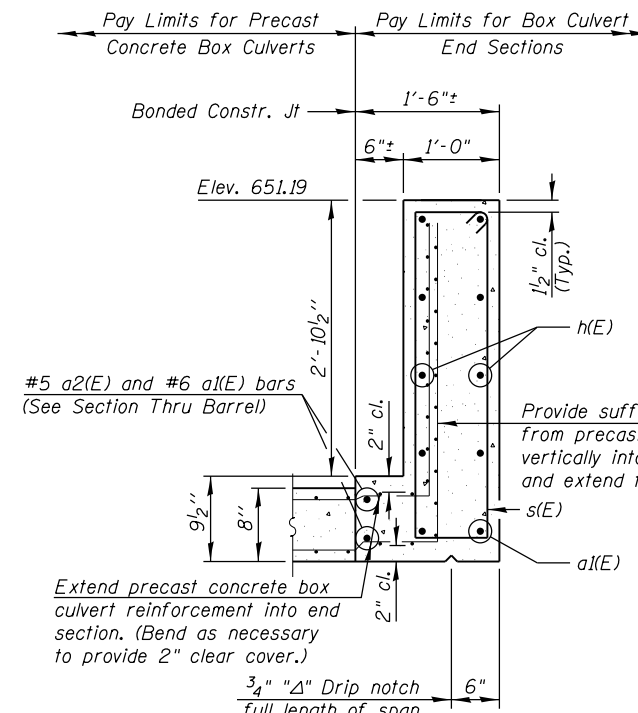
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	14
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	



MIN. BAR LAPS
 #4 - 2'-7"
 #5 - 3'-2"
 #6 - 3'-10"

SECTION THRU BARREL

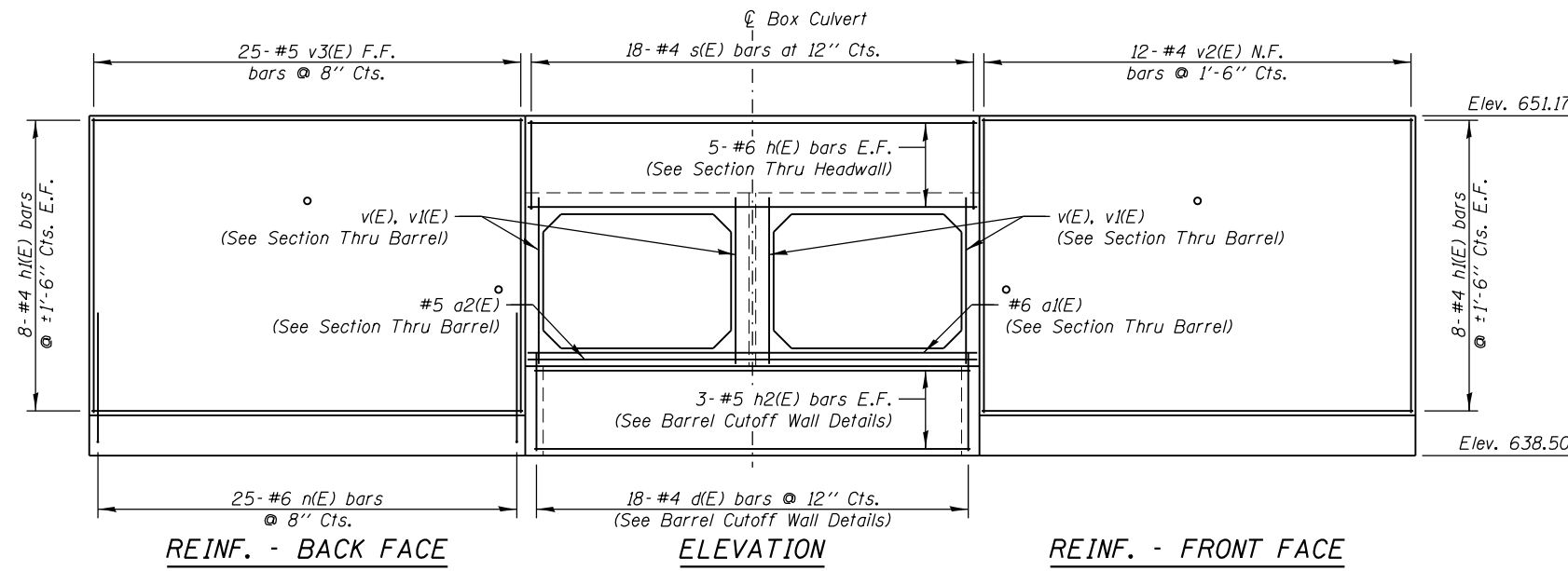
Note: Provide sufficient extension of WWR from precast culvert walls and bottom slab to cast-in-place end section (bend as necessary to provide 2" clear cover)



SECTION THRU HEADWALL
 (Top slab at downstream end)

LEGEND
 N.F. - Near Face
 F.F. - Far Face
 E.F. - Each Face

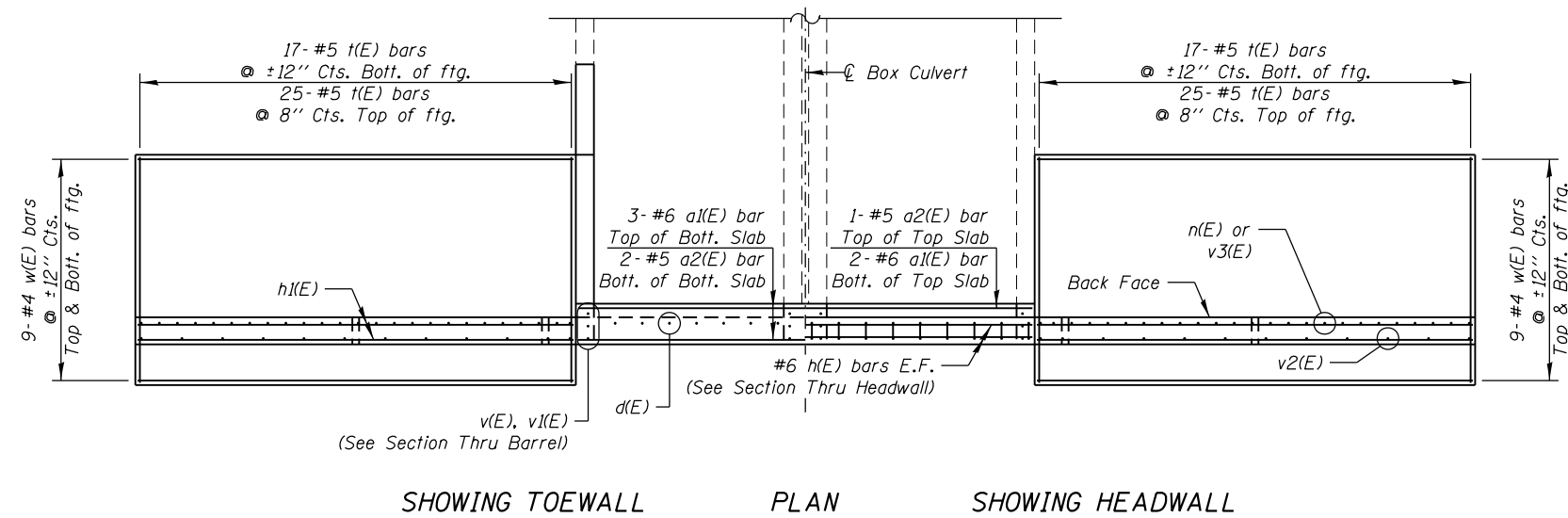
BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
a ₁ (E)	5	#6	17'-11"	U
a ₂ (E)	3	#5	16'-7"	U
d(E)	18	#4	3'-8"	—
d ₁ (E)	32	#4	3'-0"	—
d ₂ (E)	18	#4	4'-10"	L
h(E)	10	#6	16'-7"	—
h ₁ (E)	32	#4	15'-11"	—
h ₂ (E)	6	#5	16'-7"	—
h ₃ (E)	6	#5	10'-0"	—
n(E)	50	#6	5'-9"	U
s(E)	18	#4	8'-6"	□
t(E)	84	#5	8'-2"	—
v(E)	16	#4	4'-10"	—
v ₁ (E)	16	#4	3'-9"	—
v ₂ (E)	24	#4	10'-10"	—
v ₃ (E)	50	#5	10'-10"	—
w(E)	36	#4	15'-11"	—
Concrete Structures			Cu. Yd.	36
Reinforcement Bars, Epoxy Coated			Pound	5400
Granular Culvert Backfill			Cu. Yd.	28
Structure Excavation			Cu. Yd.	200
Geocomposite Wall Drain			Sq. Yd.	14



REINF. - BACK FACE

ELEVATION

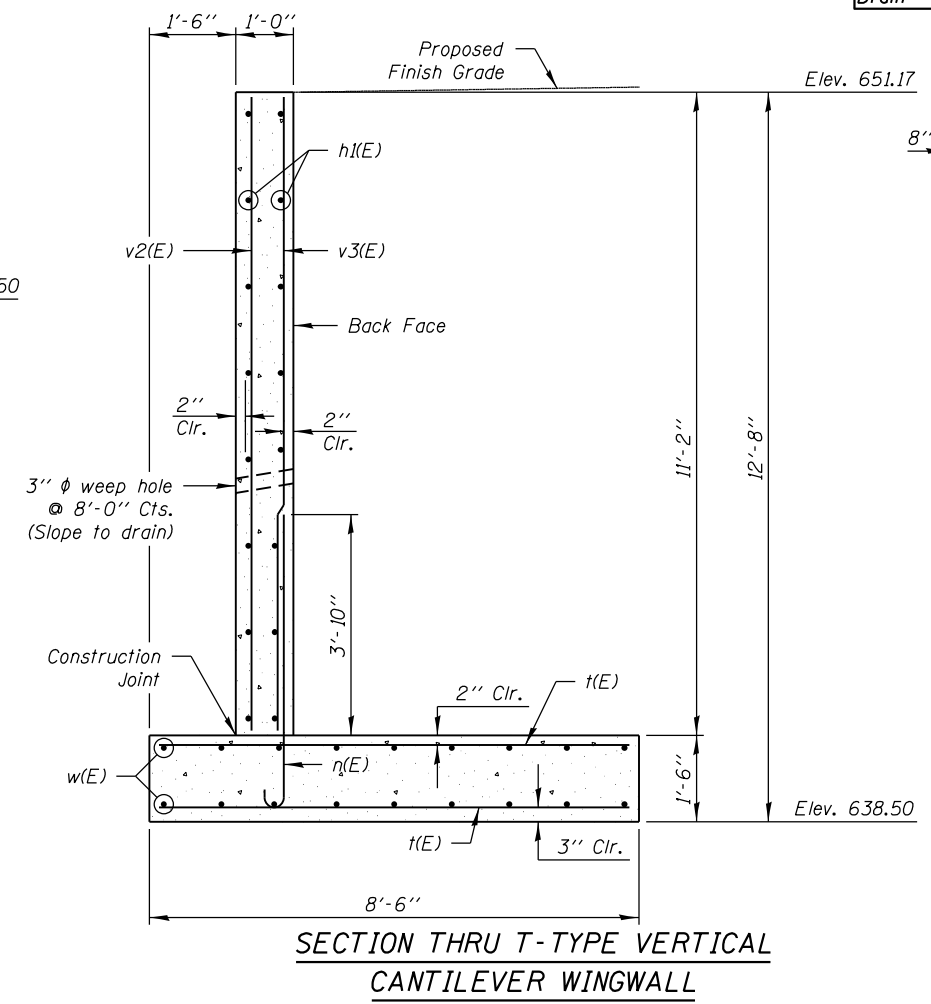
REINF. - FRONT FACE



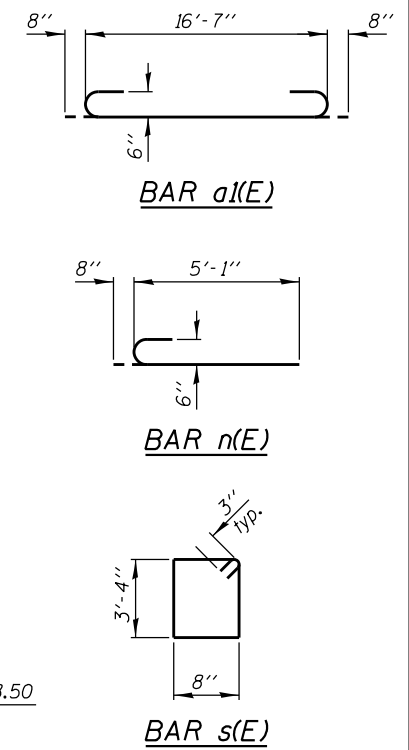
SHOWING TOEWALL

PLAN

SHOWING HEADWALL



SECTION THRU T-TYPE VERTICAL CANTILEVER WINGWALL



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 Engineers & Architects

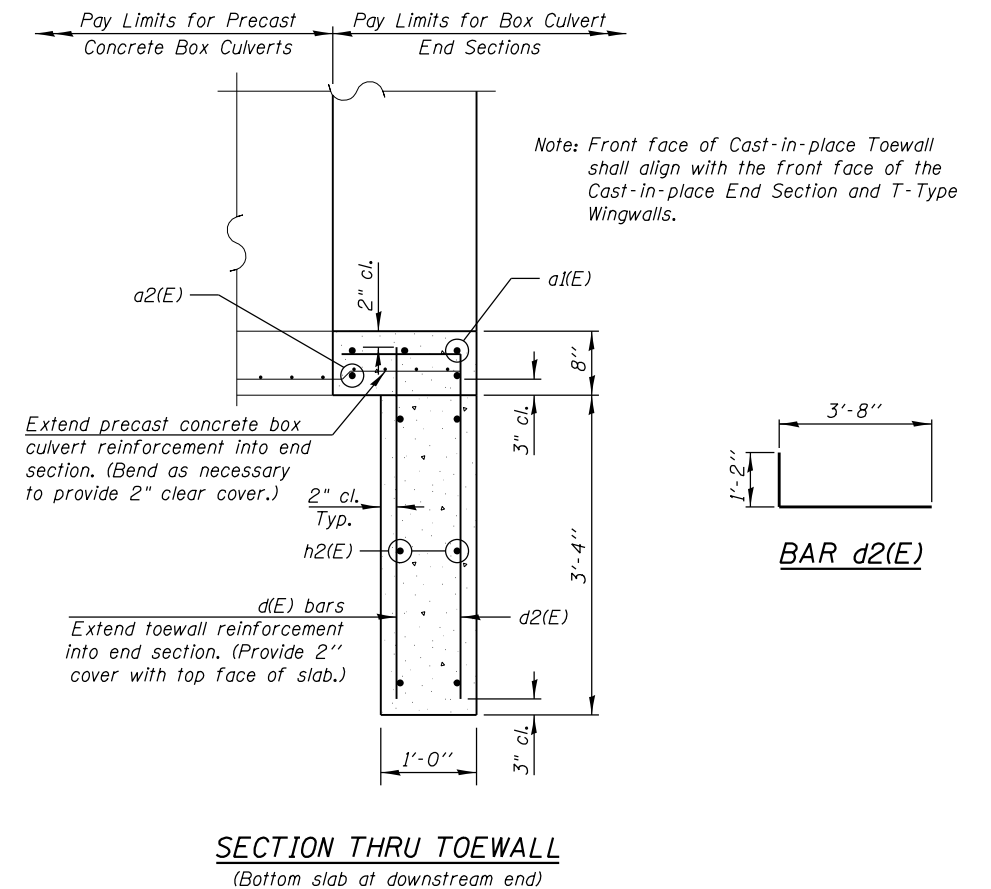
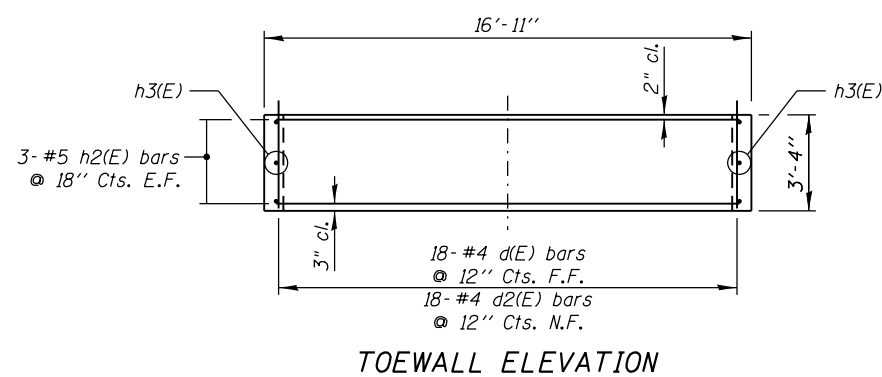
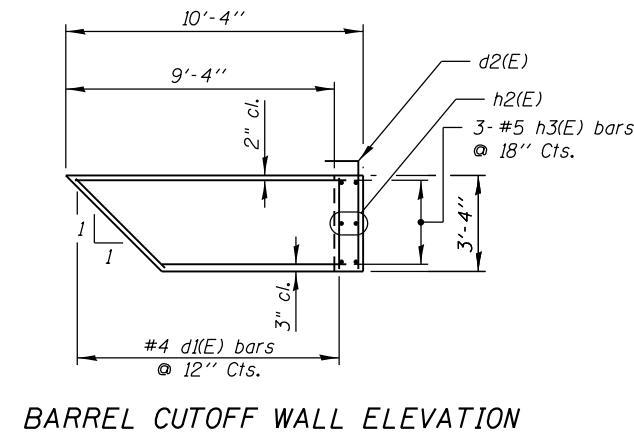
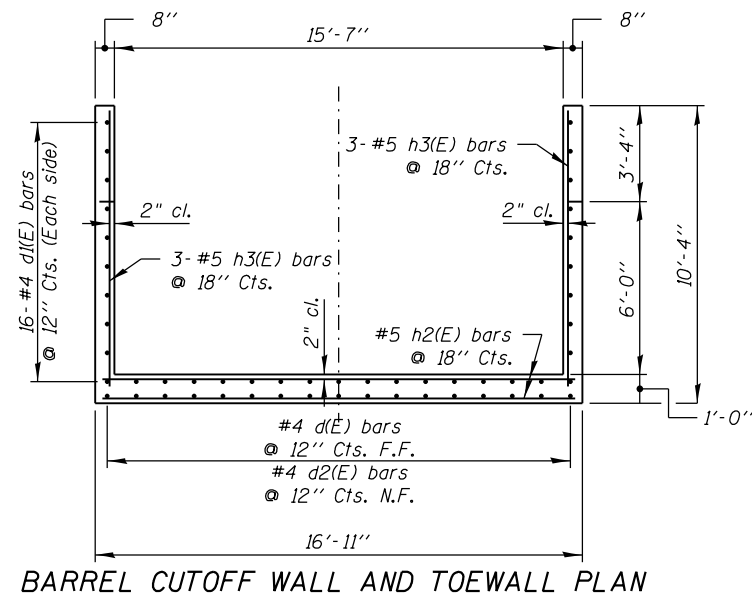
DESIGNED -	REVISD -
CHECKED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST END SECTION REINFORCEMENT DETAILS

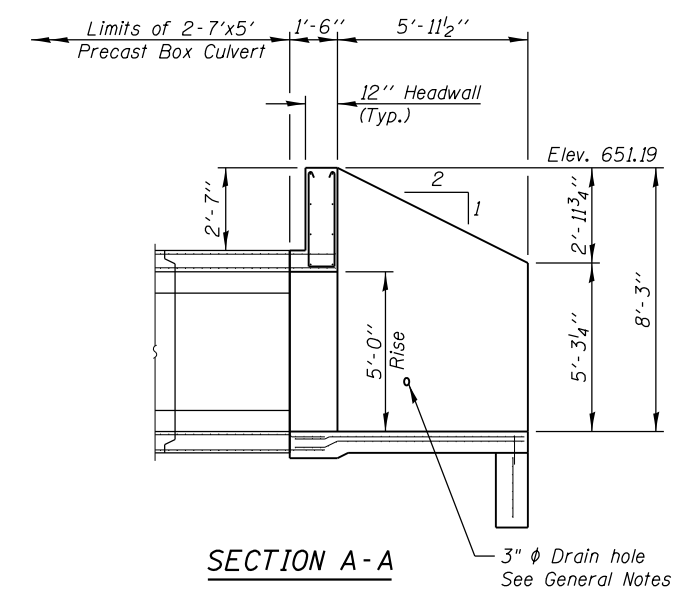
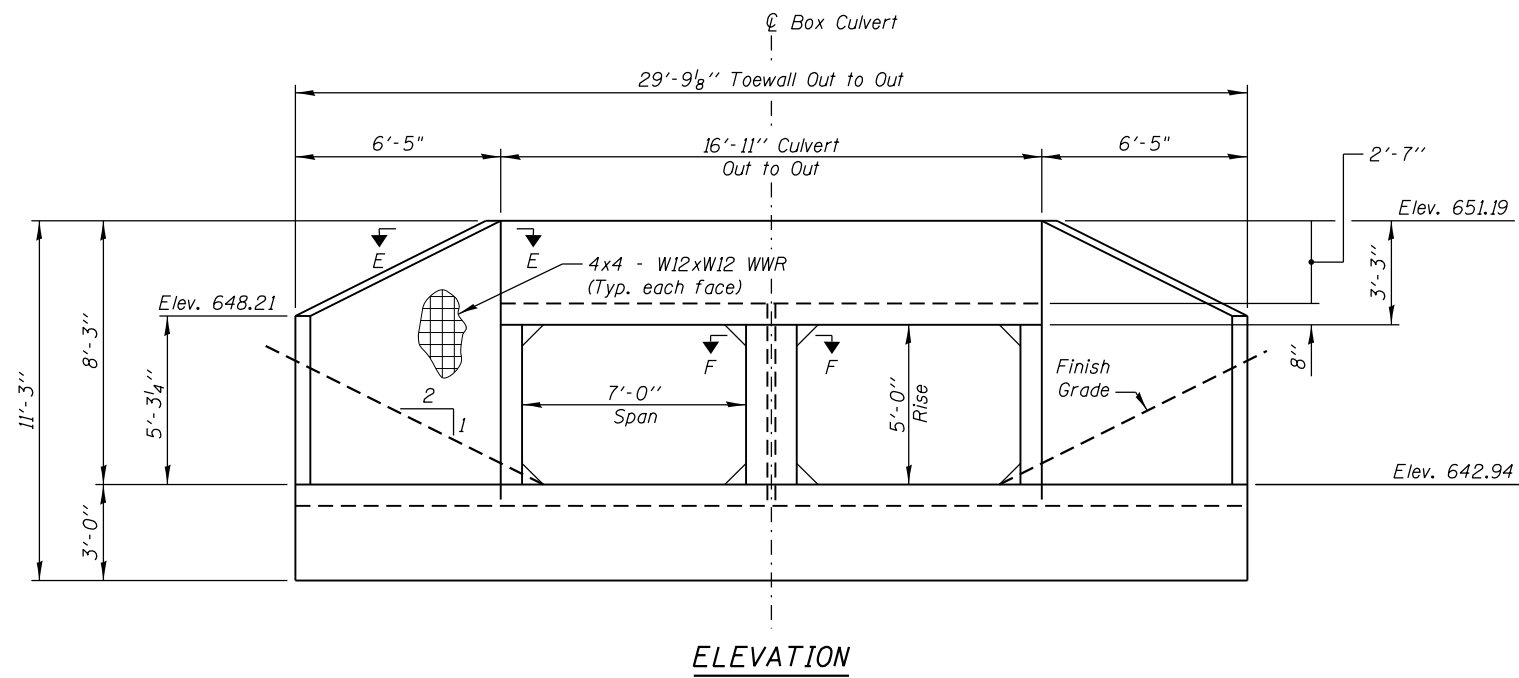
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	15
CONTRACT NO. 72J30				
ILLINOIS FED. AID PROJECT				

SHEET NO. SA-03 OF 6 SHEETS



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KNIGHT Engineers & Architects	DESIGNED -	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WEST END SECTION REINFORCEMENT DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED -	REVISED			325	(19) BR	MONTGOMERY	27	16
	SCALE - NONE	REVISED			CONTRACT NO. 72J30				
DATE - 1/2/2018	CHECKED -	REVISED	SHEET NO. SA-04 OF 6 SHEETS			ILLINOIS FED. AID PROJECT			



GENERAL NOTES

Box Culvert End Sections shall be constructed according to the applicable portions of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per cubic yard of Concrete Structures and pounds of Reinforcement Bars, Epoxy Coated.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

All exposed concrete edges shall be chamfered 3/4" unless noted otherwise.

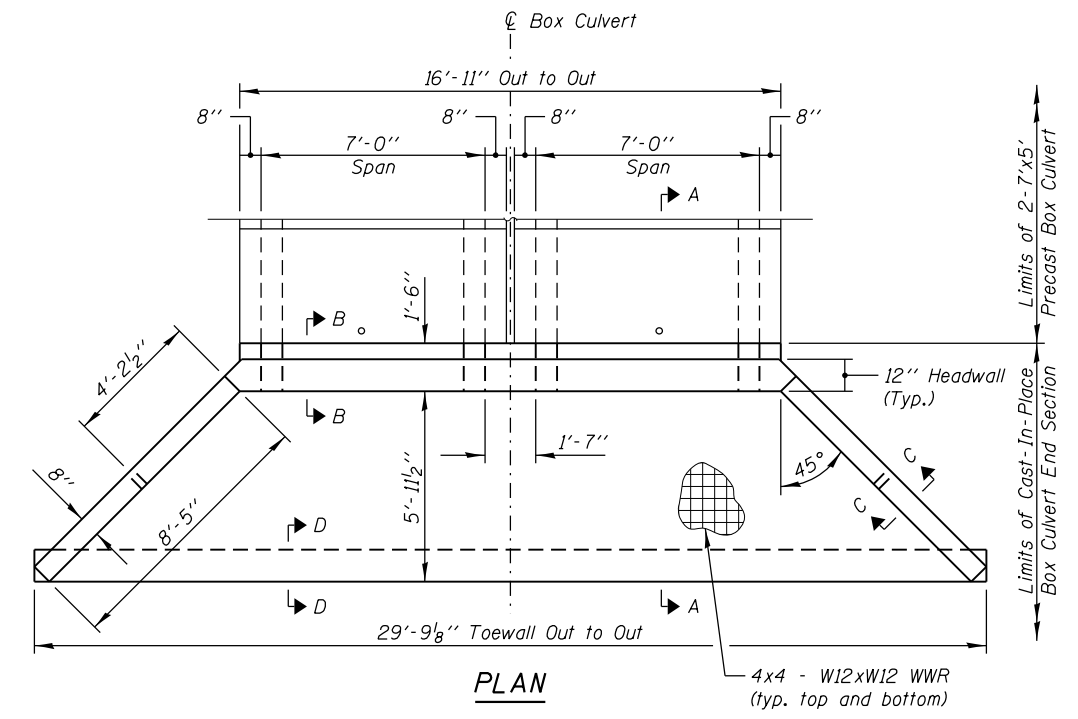
Welded wire reinforcement (WWR) will not be paid for separately, but shall be included in the cost for concrete structures. The contractor may use reinforcement bars in lieu of WWR, which will not be paid for separately but included in the cost for concrete structures. Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. Class SI concrete shall be used for construction of the end section.

Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



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KNIGHT
Engineers & Architects

DESIGNED	-	REVISED	
CHECKED	-	REVISED	
SCALE	- NONE	DRAWN	-
DATE	- 1/3/2018	CHECKED	-

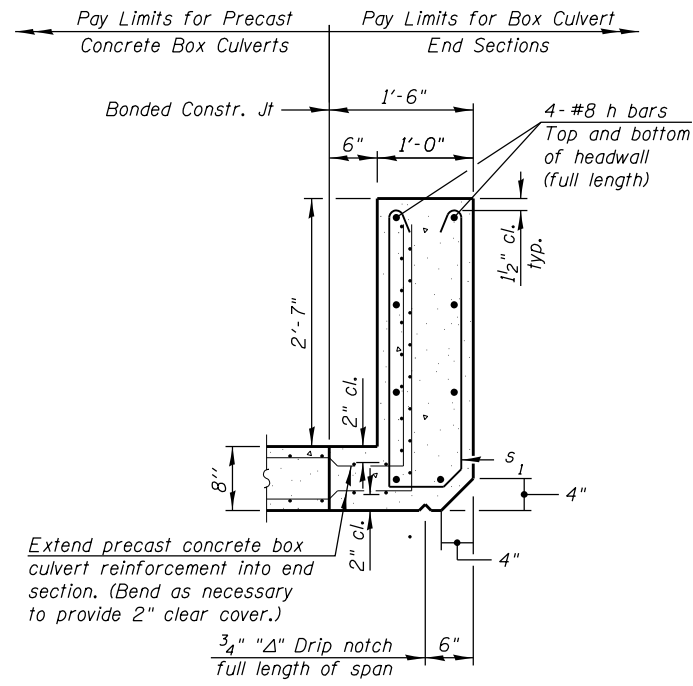
DESIGNED	-	REVISED	
CHECKED	-	REVISED	
DRAWN	-	REVISED	
CHECKED	-	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

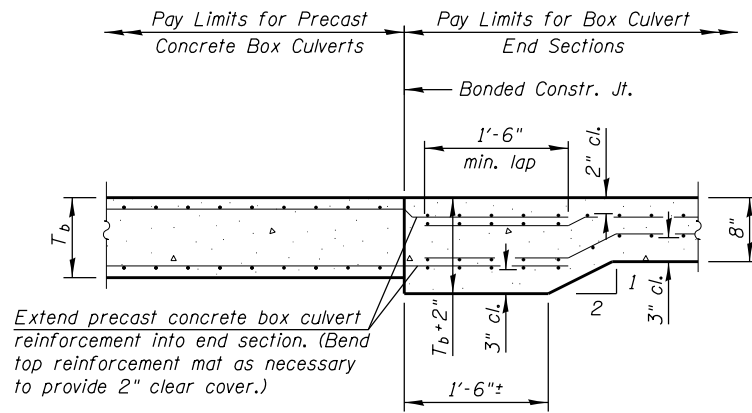
EAST END SECTION

SHEET NO. SA-05 OF 6 SHEETS

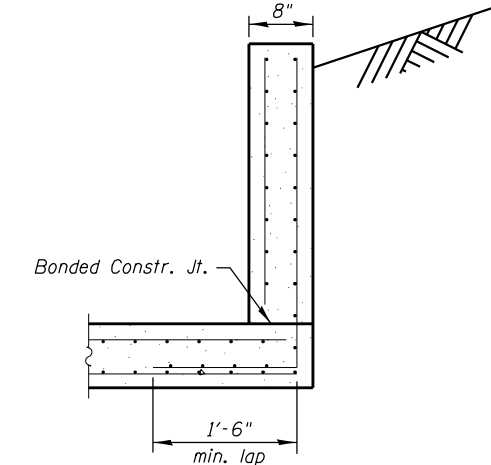
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	17
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	



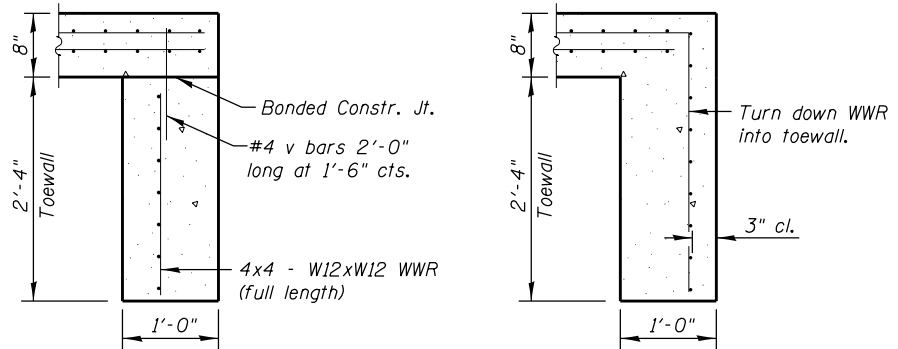
SECTION B-B
(Top slab at upstream end)



SECTION B-B
(Bottom slab)



SECTION C-C



SECTION D-D

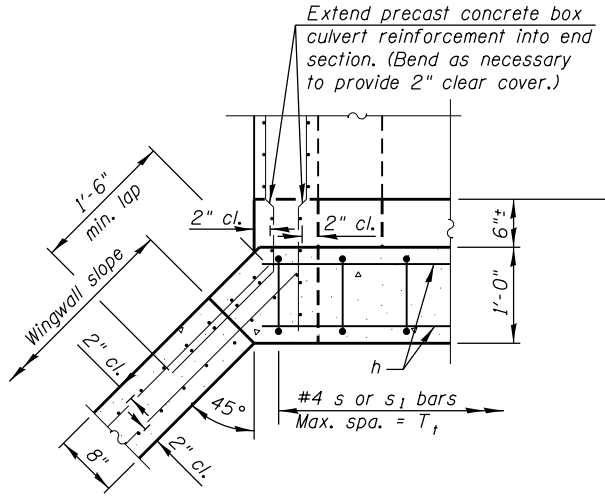
ALT. SECTION D-D

TOEWALL CONSTRUCTION SEQUENCE

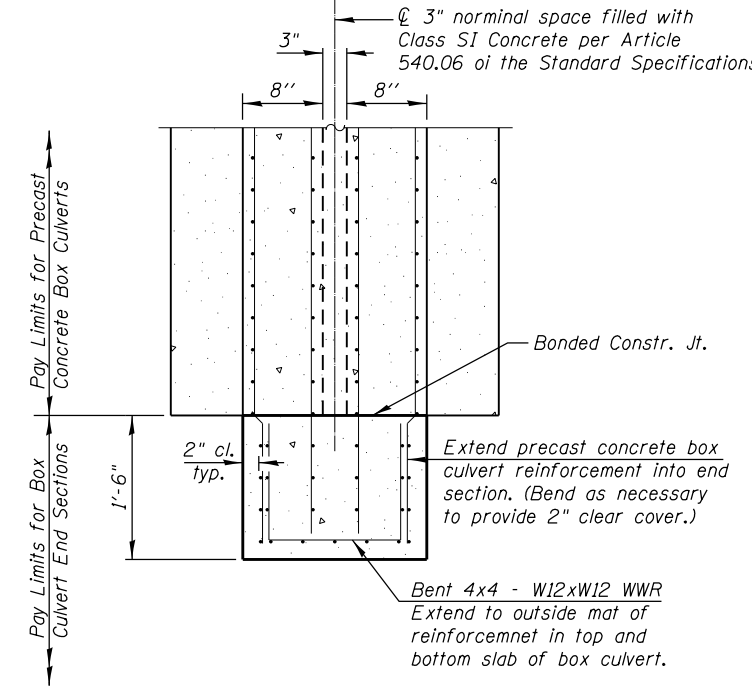
1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

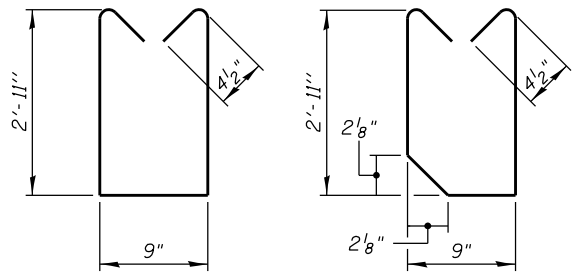
If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



SECTION E-E



SECTION F-F



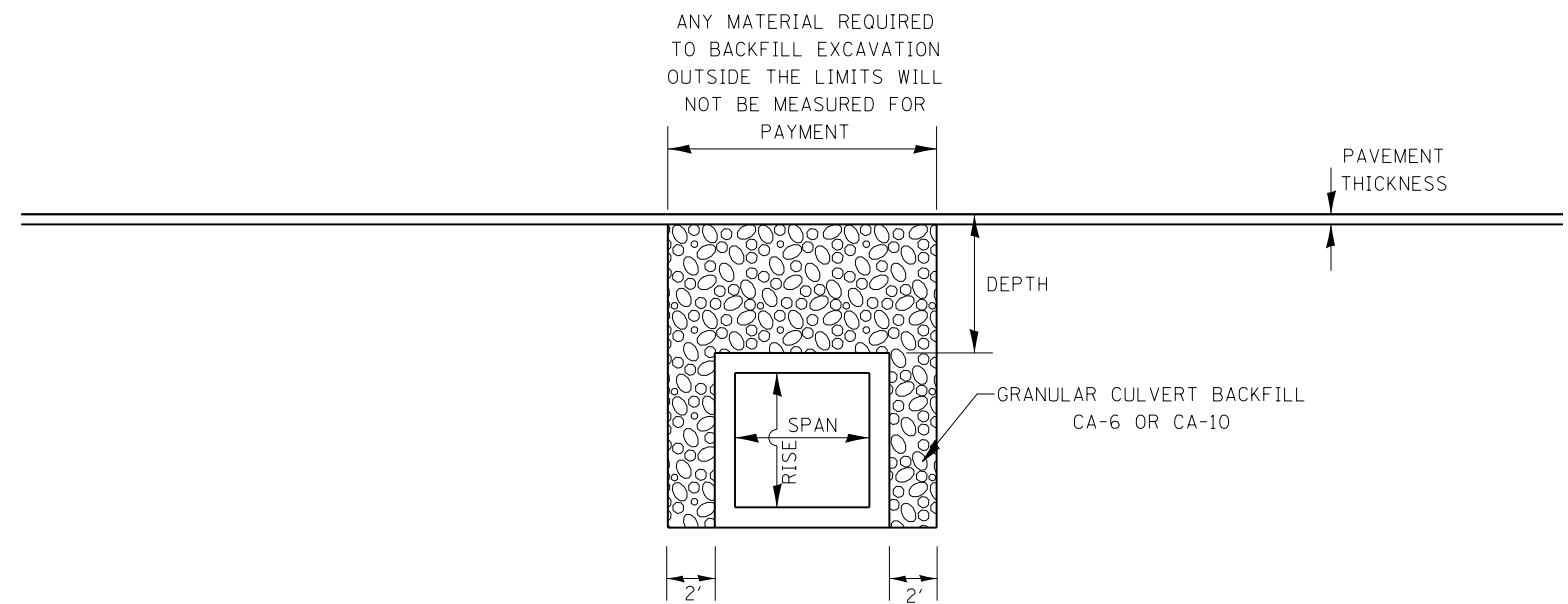
BAR s

BAR s1

BILL OF MATERIAL

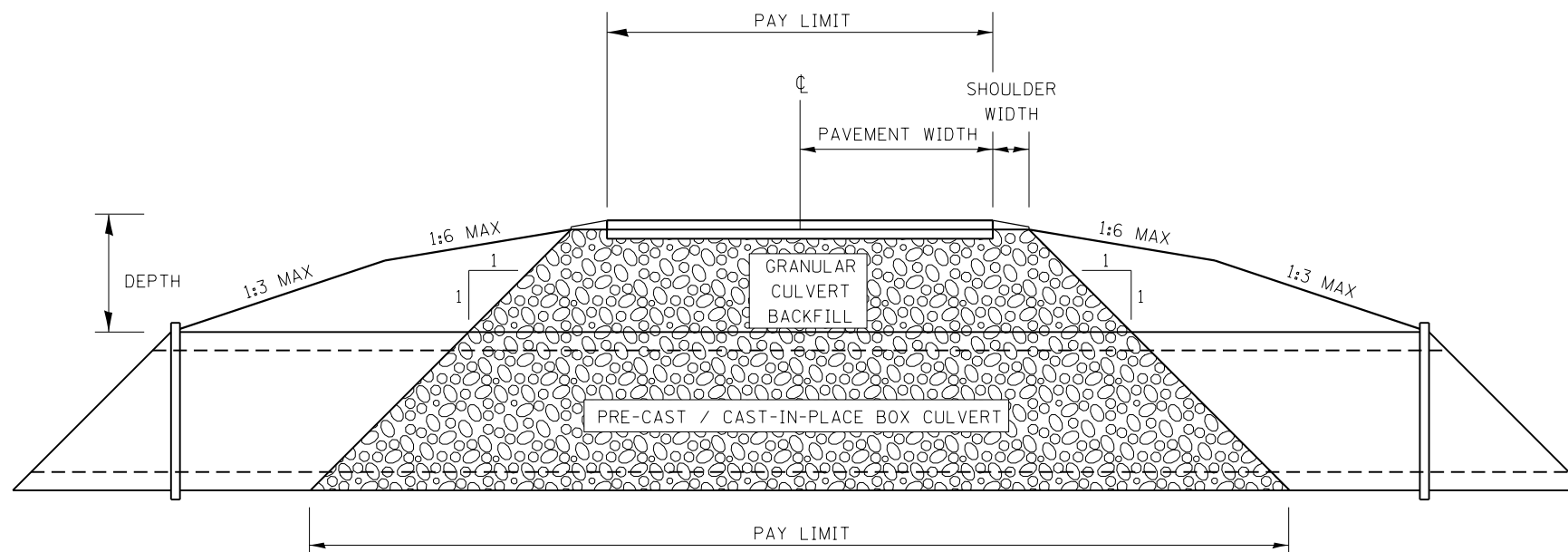
Concrete Structures	Cu. Yd.	13
Reinforcement Bars, Epoxy Coated	Pound	2000
Granular Culvert Backfill	Cu. Yd.	8
Structure Excavation	Cu. Yd.	61
Geocomposite Wall Drain	Sq. Yd.	6

D:\17145\CAD\Sheets\Roadway\Detail\17145-111809-NCBMS-02.dgn



- DEPTH OF FILL \geq 2 FT & \leq 8 FT
- DEPTH OF FILL \leq SPAN OF LARGEST BOX CONFIGURATION

PROFILE GRANULAR BACKFILL DETAIL FOR EXISTING ALIGNMENTS & CONSTRUCTION



CROSS SECTION GRANULAR BACKFILL DETAIL FOR EXISTING ALIGNMENTS & CONSTRUCTION

Granular Backfill Details.dgn

Default - Z:\7145\CAD\Sheets\Roadway\Details\7145-111809e-GranCulvBackf11.dgn

KNIGHT
Engineers & Architects

SCALE	- NONE
DATE	- 1/2/2018

DESIGNED	-	REVISED	
CHECKED	-	REVISED	
DRAWN	-	REVISED	
CHECKED	-	REVISED	

DESIGNED	-	REVISED	
CHECKED	-	REVISED	
DRAWN	-	REVISED	
CHECKED	-	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

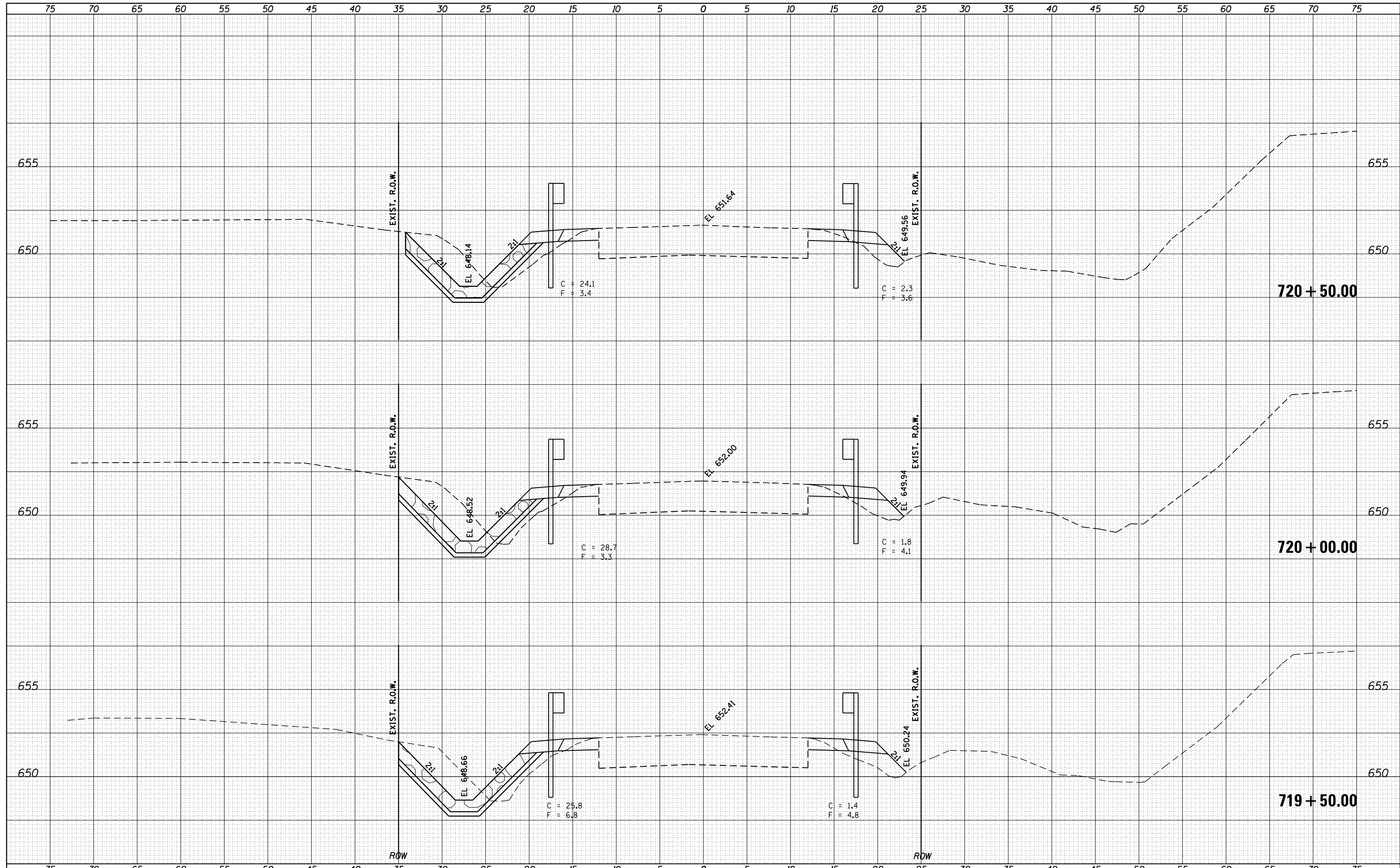
GRANULAR BACKFILL DETAIL TO BOTTOM OF BOX CULVERT

SHEET NO. OF SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	19
CONTRACT NO. 72J30				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

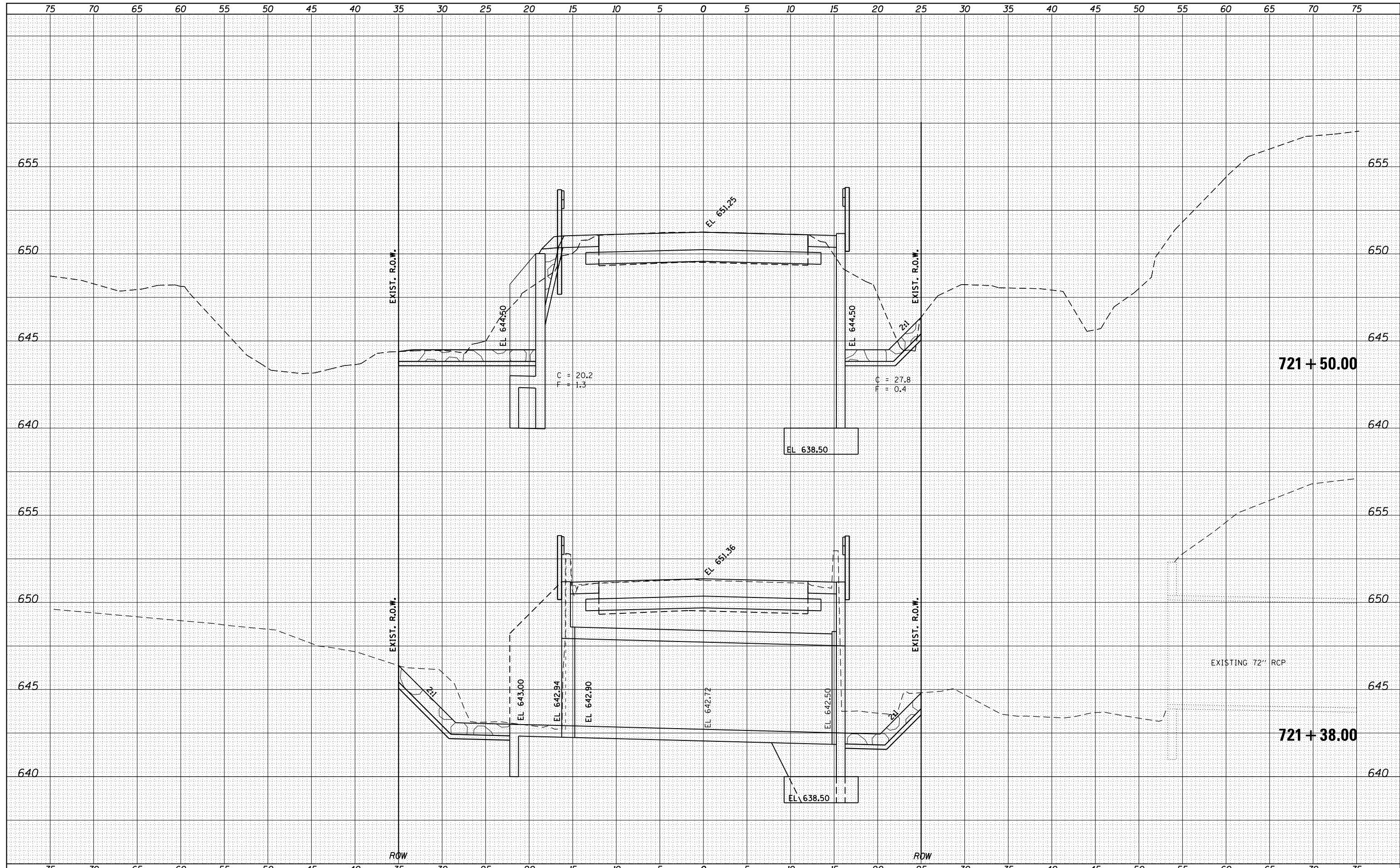
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =	Z:\7145\CAD\ISheets\Roadway\Details\7145-sh1010_xsection_MC.dgn	DESIGNED -	REVISÉD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME =	jowley	DRAWN -	REVISÉD -		325	(19) BR	MONTGOMERY	27	22		
PLOT SCALE =	10.0000' / in.	CHECKED -	REVISÉD -		CONTRACT NO. 72J30						
PLOT DATE =	1/2/2018	DATE -	REVISÉD -		ILLINOIS FED. AID PROJECT						
Default				SCALE:	SHEET	OF	SHEETS	STA. 719+50.00	TO STA. 720+50.00		

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



FILE NAME = Z:\7145\CAD\ISheets\Roadway\Details\7145-sh010_xsection_MC.dgn
 USER NAME = jowley
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 1/2/2018

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

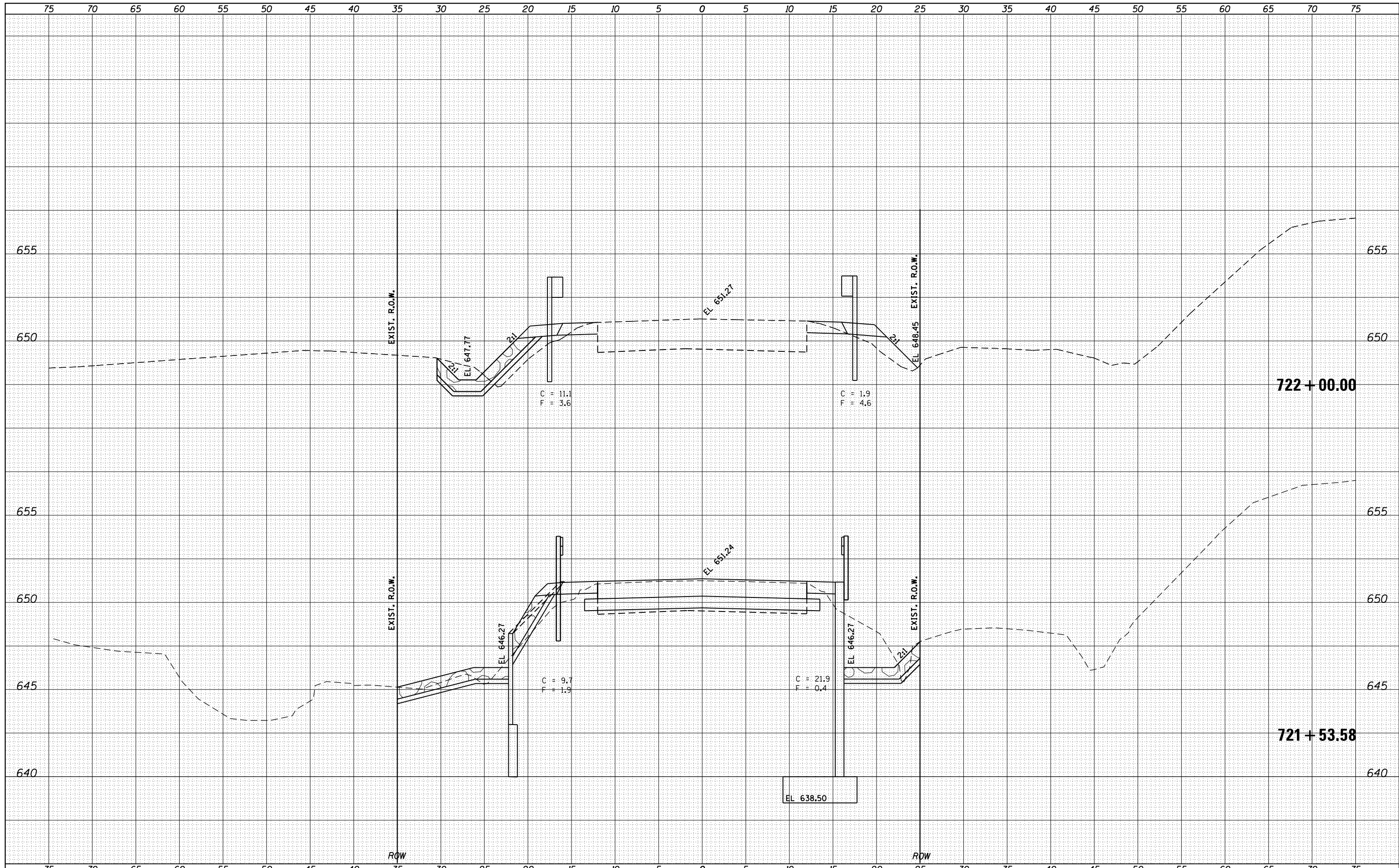
CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 721+38.00 TO STA. 721+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	24
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	

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

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



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USER NAME =	jowley
DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -
PLLOT SCALE = 10.0000' / in.	
PLLOT DATE = 1/2/2018	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

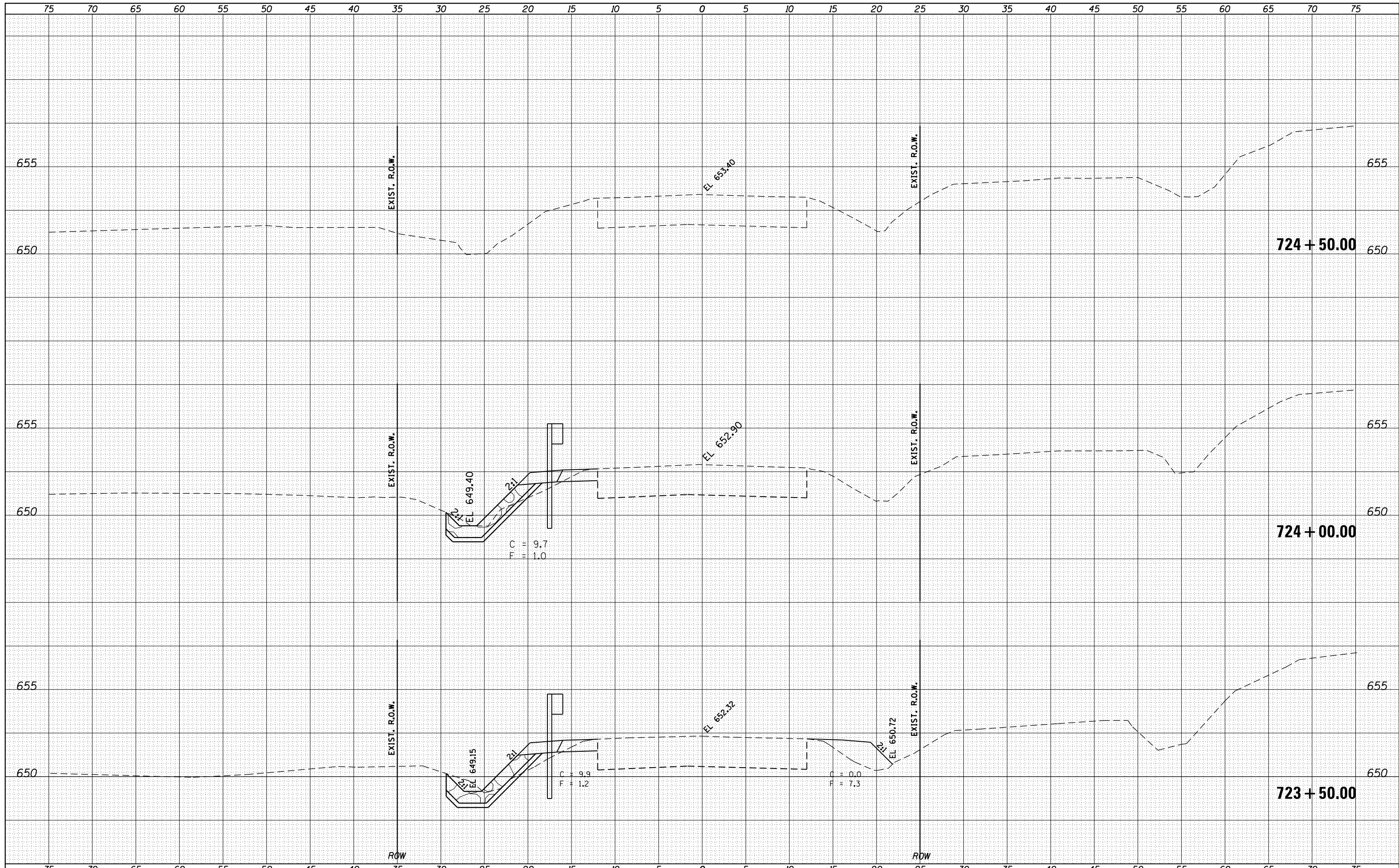
CROSS SECTIONS

SCALE:	SHEET	OF	SHEETS	STA. 721+53.58	TO	STA. 722+00.00
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	25
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME = Z:\7145\CAD\ISheets\Roadway\Details\7145-sh010_xsection_MC.dgn
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USER NAME = jowley
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 723+50.00 TO STA. 724+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	(19) BR	MONTGOMERY	27	27
CONTRACT NO. 72J30			ILLINOIS FED. AID PROJECT	