

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	SECTION (15B-1)BR-1	DEWITT	76	1
		ILLINOIS	CONTRACT NO. 70271	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

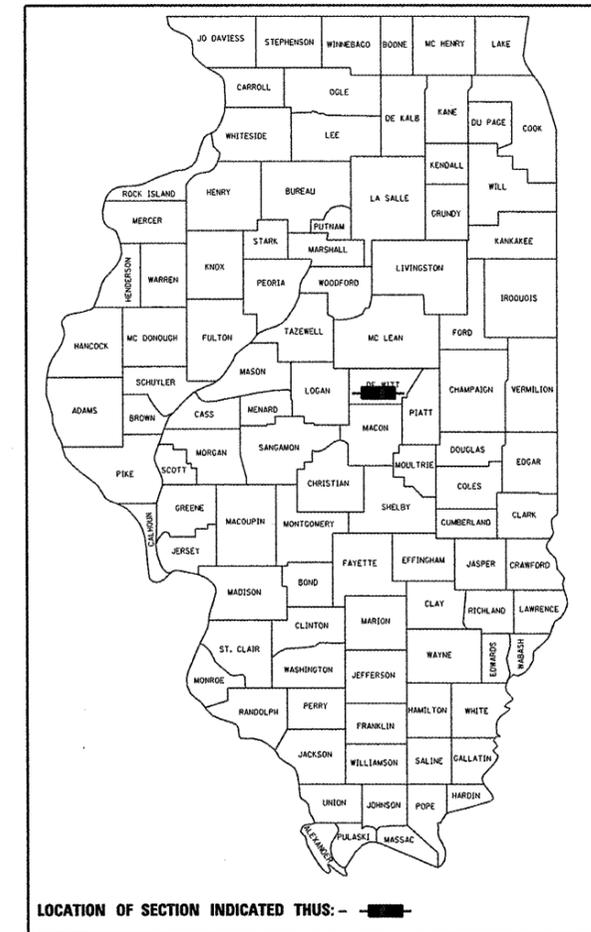
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 71 (IL 54)
SECTION (15B-1)BR-1
PROJECT ACF-0071(055)
DEWITT COUNTY
CULVERT REPLACEMENT
C-95-113-02

COON CREEK 2 MILES NORTHEAST OF CLINTON

D-95-065-02



Functional Classification: Minor Arterial (Rural)
Design Speed: 55 mph
Posted Speed: 55 mph
ADT: 2600 (2010)
PV: 84.9%
SU: 8.4%
MU: 6.7%

ENGINEERS SIGNATURE BOX

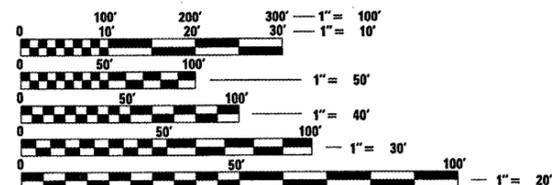
DATE SIGNED: 11/30/10
JEFFRY D. SPILLER, P.E.
IL REG. NO. 062-057630
EXP. DATE: 11/30/2011

PREPARED BY:



7615 NORTH HARKER DRIVE
PEORIA, ILLINOIS 61615
TEL 309-693-7615
FAX 309-693-7616
CONTACT: RICK ANDERSON

SECTION (15B-1)BR-1
INCLUDES THE REPLACEMENT OF A 5 BARREL
REINFORCED CONCRETE BOX CULVERT
(SN 020-2004)
WITH A LIVE-LOAD DOUBLE BARREL
(2 @ 14'X9' & VARIES 56'-57') CAST-IN-PLACE
CONCRETE BOX CULVERT
(SN 020-2014)

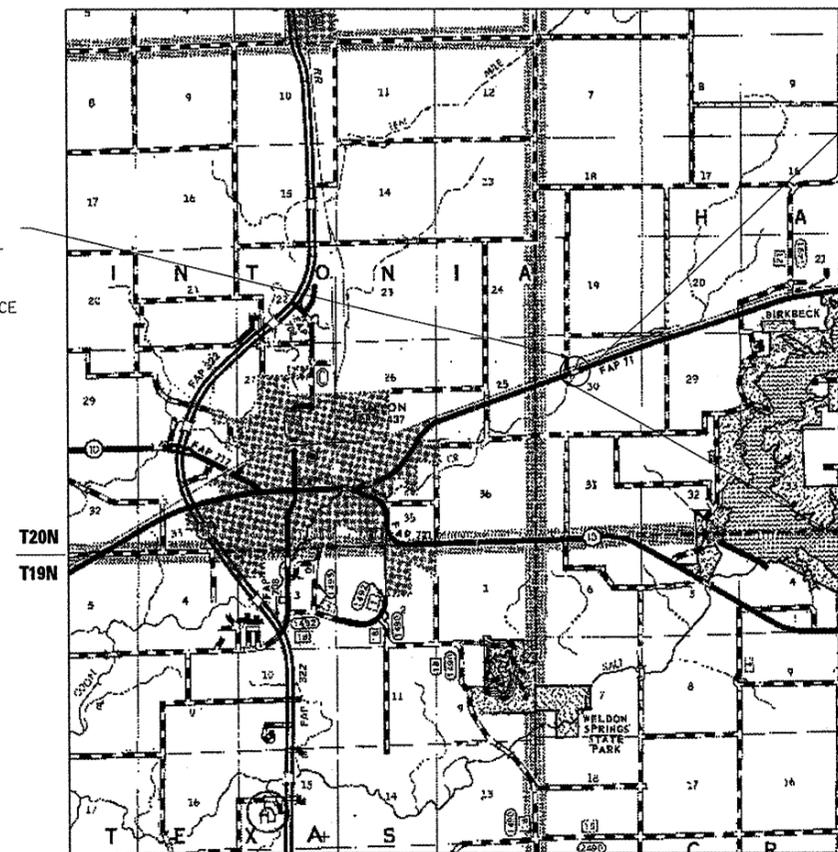


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

HARP TOWNSHIP SECTION 30

PROJECT ENGINEER: KEVIN TRAPP
CONSULTANT LIASON: MATT BOWER
DISTRICT 5 NO. (217)465-4181
CONTRACT NO. 70271



SECTION (15B-1)BR-1 ENDS
STA. 2143+84.00

SECTION (15B-1)BR-1 BEGINS
STA. 2141+26.80



GROSS & NET LENGTH = 257.20 FT. = .049 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 12/14 20 10

Justin E. Cowen
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 4 20 11
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

February 4 20 11
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6-7	SCHEDULE OF QUANTITIES
8-9	ALIGNMENT, TIES, AND BENCHMARKS
10	REMOVAL PLAN
11-12	IL 54 PLAN AND PROFILE SHEET
13-15	RUNAROUND PLAN AND PROFILE SHEETS
16-21	STAGE CONSTRUCTION PLANS
22	EROSION CONTROL PLAN
23	GRADING DETAIL
24-26	TRAFFIC BARRIER TERMINAL, TYPE 6A (SPECIAL) DETAIL
27-35	STRUCTURE PLANS
36-51	IL 54 CONSTRUCTION CROSS SECTIONS
52-67	IL 54 FINAL GRADING CROSS SECTIONS
68-69	DISTRICT 5 DETAIL NO. 408000AA SIDEROADS & SIDESTREETS (RURAL)
70	DISTRICT 5 DETAIL NO. 61101011A FIELD TILE SYSTEMS (TREATMENT OF EXISTING)
71	DISTRICT 5 DETAIL NO. 70200000 TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)
72-75	DISTRICT 5 DETAIL NO. 7800AAAA PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
76	EXISTING STRUCTURE PLAN (SHOWN FOR INFORMATION ONLY)

LIST OF HIGHWAY STANDARDS

NUMBER	TITLE
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
421001-02	BAR REINFORCEMENT FOR CRC PAVEMENT
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
606006-02	OUTLETS FOR CONC. CURB AND GUTTER, TYPE B-6.24
630001-09	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-07	TRAFFIC BARRIER TERMINAL, TYPE 2
631032-06	TRAFFIC BARRIER TERMINAL, TYPE 6A
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
666001-01	RIGHT OF WAY MARKERS
667101-01	PERMANENT SURVEY MARKERS
701001-02	OFF RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701316-05	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS ≥ 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

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

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

G.N.-107.31
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

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

G.N.-201
TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

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

G.N.-406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N. -406H
MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	IL 54	IL 54
MIXTURE USE(S):	FLEX CONNECTOR, BOTTOM LIFT SHOULDERS & RUNAROUND PAVEMENT	SURFACE & TOP 1 1/2" SHOULDER
AC/PG:	PG 64-22	PG 64-22
RAP % (MAX)	25%	15%
DESIGN AIR VOIDS:	4.0% @ Ndes=50	4.0% @ Ndes=50
MIXTURE COMP: (GRADATION MIXTURE)	IL 19.0	IL 9.5
FRICTION AGGREGATE:	N/A	Mix C

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

G.N.-667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

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

G.N.-Z0038
AN ALUMINUM TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP 4" IN AREAS TO BE SEEDED. THE VEGETATION SUSTAINING SOIL REQUIRED SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EXCAVATION.

THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

EXCEPT AS NOTED ON THE PLANS. PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCLUDED IN THE PAY ITEMS INVOLVED. THE MINIMUM SAW DEPTH IN THE PAVEMENT SHALL BE 1 1/2" UNLESS OTHERWISE NOTED.

THE THICKNESS OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	1.80 TON/CU YD
BITUMINOUS MATERIAL (PRIME COAT)	0.08 GAL/SQ YD
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

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

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED FOR SHORT TERM PAVEMENT MARKING.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HMA PLANT QUALITY CONTROL LAB SO THAT HMA PLANT REPORTS CAN BE EMAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL HOT-MIX ASPHALT ITEMS.

COMMITMENTS

1. AS A RESULT OF COORDINATION WITH IDNR, PRAIRIE REMNANTS WERE IDENTIFIED WITHIN THE PROJECT AREA. IN ORDER TO PROTECT THE PRAIRIE, NO PARKING OF VEHICLES OR STORAGE OF EQUIPMENT OR MATERIALS WILL BE PERMITTED ON THE NORTH SIDE OF IL 54. ANY DISTURBED AREAS SHALL BE SEEDED AFTER CONSTRUCTION WITH A NATIVE MIX (CLASS 4 AND 5A) IN ACCORDANCE WITH SECTION 250 (SEEDING) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2007).

2. AS A RESULT OF LAND ACQUISITION NEGOTIATIONS, THE PROPERTY OWNER HAS REQUESTED TO BE CONTACTED BY THE RESIDENT ENGINEER AND CONTRACTOR PRIOR TO CONSTRUCTION IN REGARD TO FIELD TILE LOCATIONS. MR. FLOYD MOREFIELD OF PARCEL NO 5790001TE CAN BE REACHED AT (309) 378-4001.

FILE NAME *	USER NAME * bowern1	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES*		DRAWN - WLL	REVISED -			71	(158-1)BR-1	DEWITT	76	2	
		CHECKED - RJA	REVISED -			SCALE:		SHEET NO. OF SHEETS STA.		TO STA.	
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
		PLOT SCALE * 40.0000 / IN.				CONTRACT NO. 70271					
		PLOT DATE * 12/9/2010									

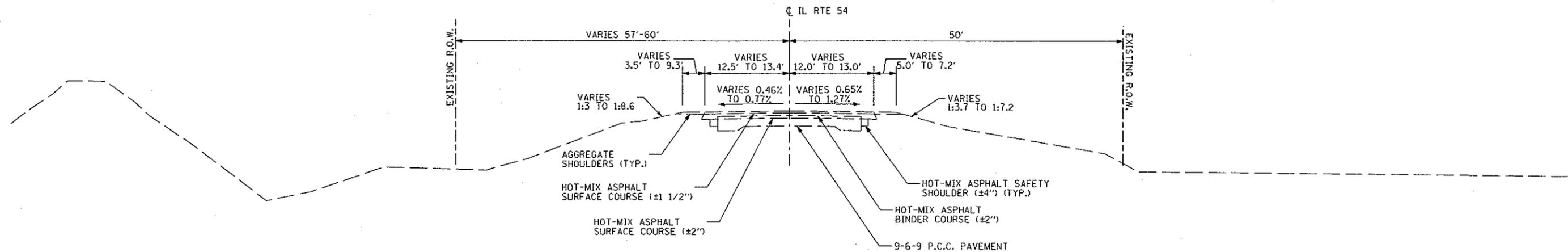
SUMMARY OF QUANTITIES			UNIT	FAP 71 (IL 54) RURAL TWO LANE SN 020-2014
CODE NO.	ITEM	80%FED/20%STATE		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	0011	20
20100500	TREE REMOVAL, ACRES	ACRE		0.30
20200100	EARTH EXCAVATION	CU YD		6,087
20400800	FURNISHED EXCAVATION	CU YD		5,659
20700220	POROUS GRANULAR EMBANKMENT	CU YD		193
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD		215
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD		1,581
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT		100
25000210	* SEEDING, CLASS 2A	ACRE		1.25
25000310	* SEEDING, CLASS 4	ACRE		0.25
25000322	* SEEDING, CLASS 5A	ACRE		0.25
25000400	* NITROGEN FERTILIZER NUTRIENT	POUND		127
25000500	* PHOSPHORUS FERTILIZER NUTRIENT	POUND		127
25000600	* POTASSIUM FERTILIZER NUTRIENT	POUND		127
25100115	* MULCH, METHOD 2	ACRE		1.50
25100630	* EROSION CONTROL BLANKET	SQ YD		33
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND		985
28000305	TEMPORARY DITCH CHECKS	FOOT		44
28000400	PERIMETER EROSION BARRIER	FOOT		2496
28100107	STONE RIPRAP, CLASS A4	SQ YD		215
28200200	FILTER FABRIC	SQ YD		215
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON		123
40600300	AGGREGATE (PRIME COAT)	TON		1
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON		33
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD		257
44000100	PAVEMENT REMOVAL	SQ YD		366
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD		340
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD		1490
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD		130
50100100	REMOVAL OF EXISTING STRUCTURES	EACH		1
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD		547
50300100	FLOOR DRAINS	EACH		4
50300225	CONCRETE STRUCTURES	CU YD		33.2
50300255	CONCRETE SUPERSTRUCTURE	CU YD		113.1
50300260	BRIDGE DECK GROOVING	SQ YD		405
50300300	PROTECTIVE COAT	SQ YD		455
50500505	STUD SHEAR CONNECTORS	EACH		96
50800105	REINFORCEMENT BARS	POUND		27300

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES			UNIT	FAP 71 (IL 54) RURAL TWO LANE SN 020-2014
CODE NO.	ITEM	80%FED/20%STATE		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	0011	55210
50800515	BAR SPLICERS	EACH		76
50900200	STEEL RAILING, TYPE 2399	FOOT		88
51500100	NAME PLATES	EACH		1
54003000	CONCRETE BOX CULVERTS	CU YD		195.5
54210024	PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	FOOT		50
54210072	PIPE CULVERTS, CLASS D, TYPE 1 72" (TEMPORARY)	FOOT		402
60600095	CLASS SI CONCRETE (OUTLET)	CU YD		2.0
61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT		42
63000001	* STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT		562.5
63100045	* TRAFFIC BARRIER TERMINAL, TYPE 2	EACH		1
63100087	* TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH		3
63100167	* TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH		3
63200310	GUARDRAIL REMOVAL	FOOT		788
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH		1
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO		8
67100100	MOBILIZATION	L SUM		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM		1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH		1
70300220	TEMPORARY PAINT PAVEMENT MARKING - LINE 4"	FOOT		2787
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT		188
72400500	RELOCATE SIGN PANEL ASSEMBLY-TYPE A	EACH		1
78001110	* PAINT PAVEMENT MARKING - LINE 4"	FOOT		837
78100100	* RAISED REFLECTIVE PAVEMENT MARKER	EACH		2
78100105	* RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH		2
78200410	* GUARDRAIL MARKERS, TYPE A	EACH		11
78201000	* TERMINAL MARKER - DIRECT APPLIED	EACH		4
78300100	PAVEMENT MARKING REMOVAL	SQ FT		86
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH		2
X0326790	TEMPORARY PAVEMENT (OPTION)	SQ YD		1476
X5121800	PERMANENT STEEL SHEET PILING	SQ FT		1600
X6310088	* TRAFFIC BARRIER TERMINAL TYPE 6A (SPECIAL)	EACH		1
X7010200	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316 (SPECIAL)	EACH		1
Z0013798	CONSTRUCTION LAYOUT	L SUM		1
Z0038700	PERMANENT BENCH MARKS	EACH		1
Z0054517	ROCK FILL - FOUNDATION	TON		129

* SPECIALTY ITEMS

FILE NAME =	USER NAME = bowerml	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES#	PLOT SCALE = 40,0000 / / IN.	DRAWN - WLL	REVISED -			71	(15B-1)BR-1	DEWITT	76	3	
	PLOT DATE = 12/9/2010	CHECKED - RJA	REVISED -			CONTRACT NO. 70271					
	#TIME#	DATE -	REVISED -			(ILLINOIS) FED. AID PROJECT					
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.				

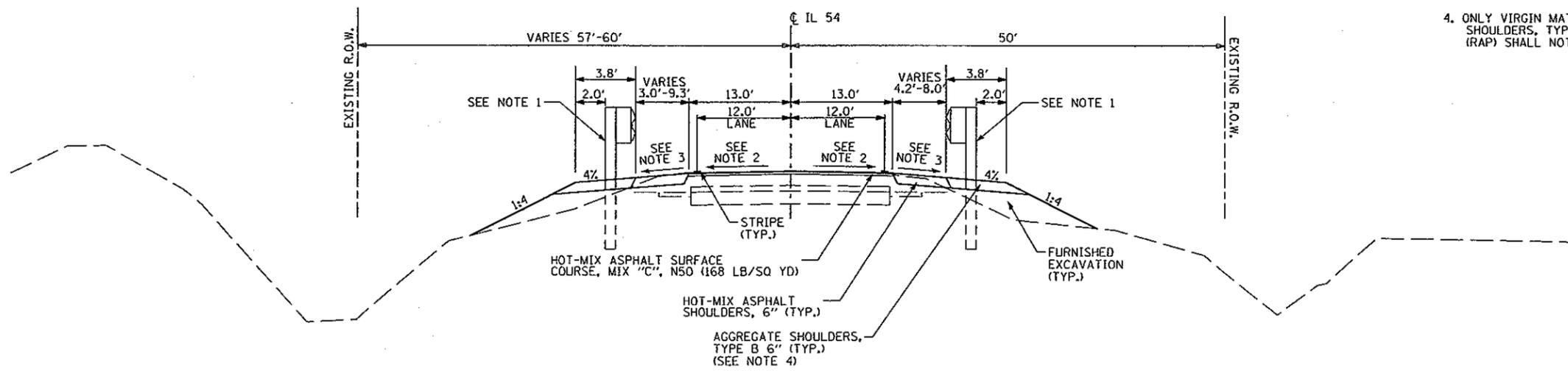


EXISTING TYPICAL SECTION
 STA 2135+40.41 TO STA. 2149+14.65

PROPOSED PAVEMENT ELEVATIONS									
STATION	LEFT SIDE				CENTERLINE	RIGHT SIDE			
	SHOULDER	EOP	OFFSET	ELEVATION		SHOULDER	EOP	OFFSET	ELEVATION
2141+26.80	21.70	728.78	13.00	729.13	729.20	17.96	728.85	13.00	728.70
2141+54.49	21.40	728.83	13.00	729.09	729.23	16.00	728.97	13.00	729.06
2141+57.49	21.37	728.83	13.00	729.09	729.23	N/A	N/A	13.00	729.06
2141+70.49	21.23	728.90	13.00	729.07	729.25	N/A	N/A	N/A	N/A
2141+83.49	21.09	728.94	13.00	729.07	729.26	N/A	N/A	N/A	N/A
2141+91.49	21.00	728.96	N/A	N/A	729.27	N/A	N/A	N/A	N/A
2143+19.77	N/A	N/A	N/A	N/A	729.45	16.00	729.19	N/A	N/A
2143+22.77	N/A	N/A	N/A	N/A	729.46	16.21	729.19	13.00	729.26
2143+35.77	N/A	N/A	N/A	N/A	729.49	17.13	729.17	13.00	729.29
2143+48.77	N/A	N/A	13.00	729.37	729.53	17.28	729.22	13.00	729.35
2143+56.77	21.00	729.16	13.00	729.41	729.55	17.29	729.24	13.00	729.38
2143+84.00	21.00	729.24	13.00	729.56	729.64	17.33	729.32	13.00	729.49

NOTE:
 WHERE N/A IS SHOWN FOR THE OFFSET AND ELEVATION, SEE STRUCTURE PLANS.

- NOTE:**
- GUARDRAIL LOCATIONS
 IL 54
 RT STA. 2139+21.35 TO STA. 2142+13.76
 RT STA. 2142+55.72 TO STA. 2144+63.68
 LT STA. 2142+95.01 TO STA. 2145+62.59
 TR 148 (1230E)
 RT STA. 10+35.52 TO STA. 10+64.37
 - PAVEMENT CROSS SLOPE
 LEFT SIDE
 STA. 2141+26.80 TO STA. 2141+76.80 =
 TRANSITION FROM -0.53% TO -1.50%
 STA. 2141+76.80 TO STA. 2143+34.00 = -1.50%
 STA. 2143+34.00 TO STA. 2143+84.00 =
 TRANSITION FROM -1.50% TO -0.61%
 RIGHT SIDE
 STA. 2141+26.80 TO STA. 2141+76.80 =
 TRANSITION FROM -1.01% TO -1.50%
 STA. 2141+76.80 TO STA. 2143+34.00 = -1.50%
 STA. 2143+34.00 TO STA. 2143+84.00 =
 TRANSITION FROM -1.50% TO -1.13%
 - SHOULDER CROSS SLOPE
 STA. 2141+26.80 TO STA. 2141+76.80 =
 TRANSITION FROM -4.0% TO -2.0%
 STA. 2141+76.80 TO STA. 2143+34.00 = -2.0%
 STA. 2143+34.00 TO STA. 2143+84.00 =
 TRANSITION FROM -2.0% TO -4.0%
 - ONLY VIRGIN MATERIAL WILL BE ALLOWED FOR AGGREGATE SHOULDERS, TYPE B 6". RECLAIMED ASPHALT PAVEMENT (RAP) SHALL NOT BE USED.



PROPOSED TYPICAL SECTION
 STA. 2141+26.80 TO STA. 2141+70.49
 STA. 2143+35.77 TO STA. 2143+84.00

BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE) OMISSION
 STA. 2141+70.49 TO STA. 2142+00.49

APPROACH SLAB OMISSION
 STA. 2142+00.49 TO STA. 2142+30.49

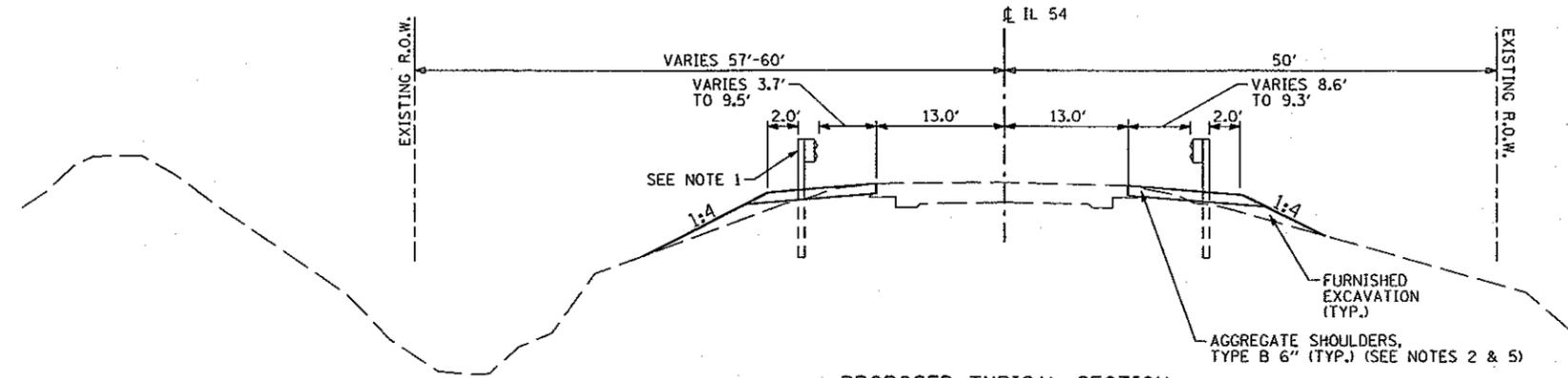
CULVERT OMISSION
 STA. 2142+30.49 TO STA. 2142+73.27

APPROACH SLAB OMISSION
 STA. 2142+73.27 TO STA. 2143+03.27

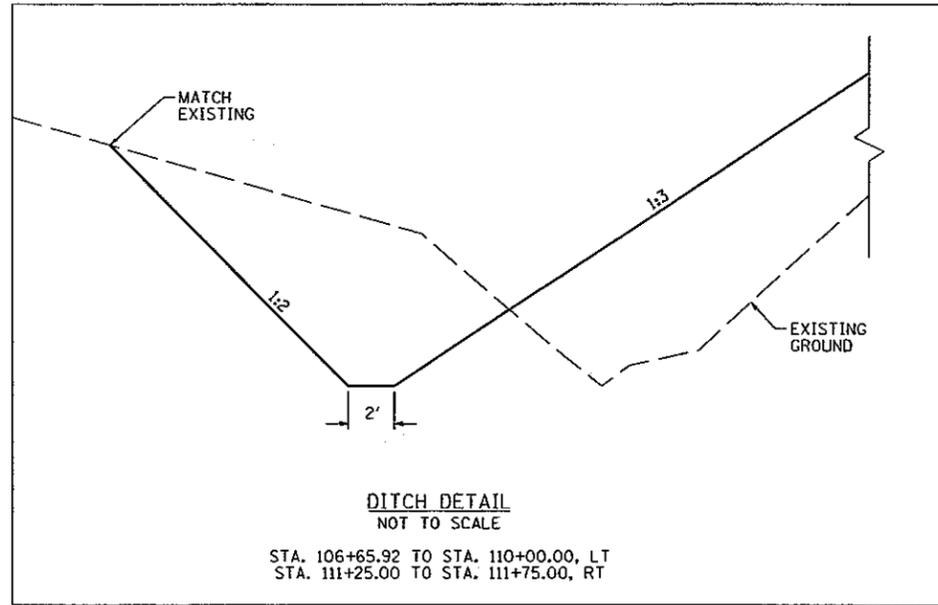
BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE) OMISSION
 STA. 2143+03.27 TO STA. 2143+35.77

NOTE:

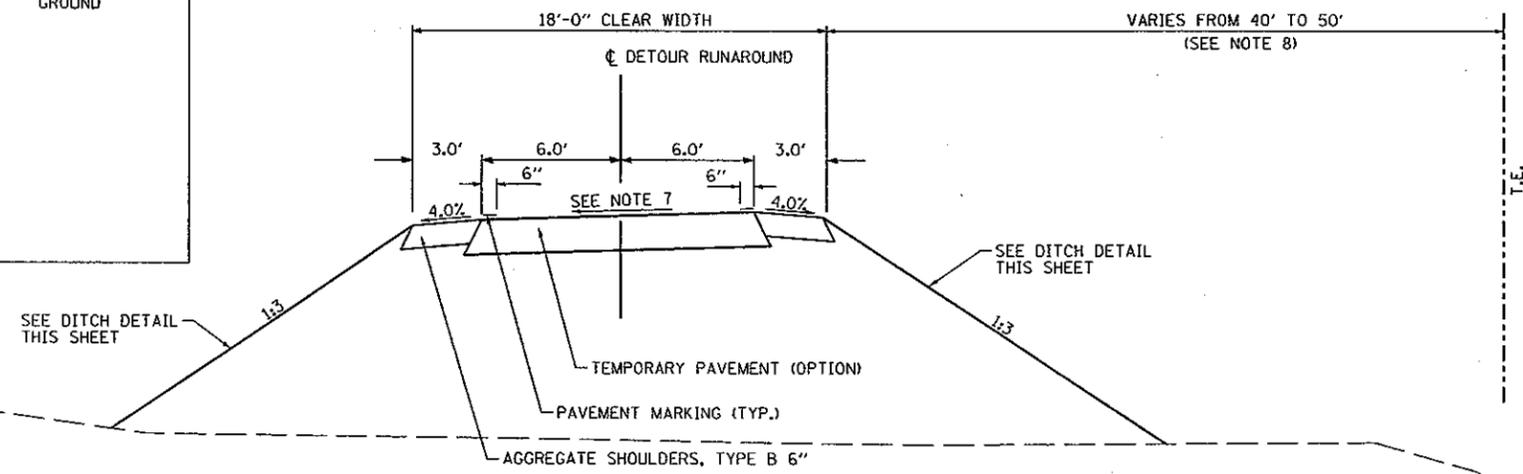
1. GUARDRAIL LIMITS
 IL 54
 RT STA. 2139+21.35 TO STA. 2142+13.76
 RT STA. 2142+55.72 TO STA. 2144+69.68
 LT STA. 2142+95.01 TO STA. 2145+62.59
 TR 148 (I230E)
 RT STA. 10+35.52 TO STA. 10+64.37
2. AGGREGATE SHOULDER IMPROVEMENTS FOR GUARDRAIL
 IL 54
 STA. 2138+84.41 TO STA. 2142+11.74, RT.
 STA. 2142+56.20 TO STA. 2145+22.92, RT.
 STA. 2142+96.95 TO STA. 2146+20.76, LT.
 TR 148 (I230E)
 STA. 10+38.11 TO STA. 10+64.76, RT.
3. PAVEMENT CROSS SLOPE
 LEFT SIDE
 STA. 2141+26.80 TO STA. 2141+76.80 =
 TRANSITION FROM -0.53% TO -1.50%
 STA. 2141+76.80 TO STA. 2143+34.00 = -1.50%
 STA. 2143+34.00 TO STA. 2143+84.00 =
 TRANSITION FROM -1.50% TO -0.61%
 RIGHT SIDE
 STA. 2141+26.80 TO STA. 2141+76.80 =
 TRANSITION FROM -1.01% TO -1.50%
 STA. 2141+76.80 TO STA. 2143+34.00 = -1.50%
 STA. 2143+34.00 TO STA. 2143+84.00 =
 TRANSITION FROM -1.50% TO -1.13%
4. SHOULDER CROSS SLOPE
 STA. 2141+26.80 TO STA. 2141+76.80 =
 TRANSITION FROM -4.0% TO -2.0%
 STA. 2141+76.80 TO STA. 2143+34.00 = -2.0%
 STA. 2143+34.00 TO STA. 2143+84.00 =
 TRANSITION FROM -2.0% TO -4.0%
5. ONLY VIRGIN MATERIAL WILL BE ALLOWED FOR AGGREGATE
 SHOULDERS, TYPE B 6". RECLAIMED ASPHALT PAVEMENT
 (RAP) SHALL NOT BE USED.
6. SEE SHEET 4 FOR PAVEMENT ELEVATIONS.
7. STA. 101+74.04 TO STA. 102+19.49 = +1.50%
 STA. 102+19.49 TO STA. 102+69.77 = TRANSITION FROM +1.50% TO 0.00%
 STA. 102+69.77 TO STA. 103+20.06 = TRANSITION FROM 0.00% TO -1.50%
 STA. 103+20.06 TO STA. 110+71.78 = -1.50%
 STA. 110+71.78 TO STA. 111+22.06 = TRANSITION FROM -1.50% TO 0.00%
 STA. 111+22.06 TO STA. 111+72.35 = TRANSITION FROM 0.00% TO +1.50%
 STA. 111+72.35 TO STA. 112+17.59 = +1.50%
8. TEMPORARY EASEMENT VARIES 50' TO 125' FROM CENTERLINE OF IL 54.



PROPOSED TYPICAL SECTION
 STA. 2138+84.41 TO STA. 2141+26.80
 STA. 2143+84.00 TO STA. 2146+20.76



DITCH DETAIL
 NOT TO SCALE
 STA. 106+65.92 TO STA. 110+00.00, LT
 STA. 111+25.00 TO STA. 111+75.00, RT



PROPOSED TYPICAL SECTION - DETOUR RUNAROUND
 STA. 100+00.00 TO STA. 113+91.84

FILE NAME = D570271-sh-typical.DGN	USER NAME = willis	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK TYPICAL SECTIONS				F.A.P. RTE. 71	SECTION (15B-18R-1)	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 5
	PLOT SCALE = 40.0000' / IN.	DRAWN - WLL	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 70271			
	PLOT DATE = 11/16/2010 10:06:19 AM	CHECKED - RJA	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)	
LOCATION	UNIT
STA 2142+00.91, 31.6' RT	20
TOTAL	20

20100500 TREE REMOVAL, ACRES	
LOCATION	ACRES
STA. 2142+69.45 TO STA. 2146+91.45, RT	0.30
TOTAL	0.30

28100107 STONE RIPRAP, CLASS A4	
LOCATION	SQ YD
STA. 2141+79.99 TO STA. 2141+84.99, RT	7.3
STA. 2142+47.27 TO STA. 2142+65.93, LT	10.6
FROM STRUCTURE PLANS	197.0
TOTAL	214.9
USE	215

28200200 FILTER FABRIC	
LOCATION	SQ YD
STA. 2141+79.99 TO STA. 2141+84.99, RT	7.3
STA. 2142+47.27 TO STA. 2142+65.93, LT	10.6
FROM STRUCTURE PLANS	197.0
TOTAL	214.9
USE	215

21301052 EXPLORATION TRENCH 52" DEPTH		
LOCATION	FOOT	
STA. 2142+42.15, 57.6' LT TO STA. 2142+74.00, 31.0' LT	41.5	
REST OF PROJECT AREA	58.5	
TOTAL	100	

25100630 EROSION CONTROL BLANKET	
LOCATION	SQ YD
STA. 2141+88.38 TO STA. 2142+09.79, RT	10.0
STA. 2142+42.16 TO STA. 2142+52.44, LT	10.1
STA. 2142+56.20 TO STA. 2142+59.86, RT	1.8
STA. 2142+98.90 TO STA. 2143+20.38, LT	11.3
TOTAL	33.2
USE	33

	20200100 EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	20400800 FURNISHED EXCAVATION	21101505 TOPSOIL EXCAVATION AND PLACEMENT
LOCATION	CU YD	CU YD	CU YD	CU YD	CU YD
2136+00.00 TO 2148+50.00 STAGE 1	414.7	311.0	4804.4	-4493.4	1,580.9
2136+00.00 TO 2148+50.00 STAGE 2	792.7	594.6	1759.9	-1165.3	-
2136+00.00 TO 2148+50.00 STAGE 3	4879.9	3659.9	387.8	0.0	-
TOTAL	6087.4	4565.5	6952.2	-5658.8	1,580.9
USE	6087	4566	6952	5659	1581

	25000210 SEEDING, CLASS 2A	25000310 SEEDING, CLASS 4	25000322 SEEDING, CLASS 5A	25000400 NITROGEN FERTILIZER NUTRIENT	25000500 PHOSPHORUS FERTILIZER NUTRIENT	25000600 POTASSIUM FERTILIZER NUTRIENT	25100115 MULCH, METHOD 2
LOCATION	ACRE	ACRE	ACRE	POUND	POUND	POUND	ACRE
STA. 2141+00.00 TO STA. 2146+50.00, LT	-	0.11	0.11	10	10	10	0.11
STA. 2136+00.00 TO STA. 2148+50.00, RT	1.30	-	-	117	117	117	1.30
TOTAL	1.30	0.11	0.11	127	127	127	1.41
USE	1.25	0.25	0.25				1.50

40600100 BITUMINOUS MATERIALS (PRIME COAT)	
LOCATION	GAL
ON MILLED SURFACE	
STA 2141+26.80 TO STA 2141+70.49	12.62
STA 2143+35.77 TO STA 2143+84.00	13.93
ON EXISTING PAVEMENT (PROPOSED HMA SHOULDER)	
STA 2141+26.80 TO STA 2141+57.49, RT	0.78
STA 2141+26.80 TO STA 2141+91.56, LT	3.42
STA 2143+19.71 TO STA 2143+84.00, RT	1.76
STA 2143+48.77 TO STA 2143+84.00, LT	1.68
FOG COAT ON RUNAROUND BETWEEN LIFTS	
STA 101+43.67 TO STA 112+47.68 (1ST LIFT)	44.27
STA 101+43.67 TO STA 112+47.68 (2ND LIFT)	44.27
TOTAL	122.72
USE	123

40600300 AGGREGATE (PRIME COAT)	
LOCATION	TON
ON MILLED SURFACE	
STA. 2141+26.80 TO STA. 2141+70.49	0.25
STA. 2143+35.77 TO STA. 2143+84.00	0.28
FOG COAT ON HMA SHOULDERS	
STA. 2141+26.80 TO STA. 2141+91.56, LT	0.06
STA. 2141+26.80 TO STA. 2141+57.49, RT	0.01
STA. 2143+48.77 TO STA. 2143+84.00, LT	0.03
STA. 2143+19.71 TO STA. 2143+84.00, RT	0.03
TOTAL	0.66
USE	1

28000250 TEMPORARY EROSION CONTROL SEEDING	
LOCATION	POUND
ENTIRE PROJECT	985.00
TOTAL	985

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", NSO	
LOCATION	TON
STA 2141+26.80 TO STA 2141+70.49	16.5
STA 2143+35.77 TO STA 2143+84.00	16.5
TOTAL	33

44000100 PAVEMENT REMOVAL	
LOCATION	SQ YD
STA. 2141+70.50 TO STA. 2142+32.53	225.1
STA. 2142+86.93 TO STA. 2143+35.77	140.5
TOTAL	365.6
USE	366

44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	
LOCATION	SQ YD
IL 54	
STA 2141+26.80 TO STA 2141+70.50	127.1
STA 2143+35.77 TO STA 2143+84.00	135.2
TR 148 (1230E)	
STA 10+22.92 TO STA 10+49.80	78.0
TOTAL	340.3
USE	340

60600095 CLASS SI CONCRETE (OUTLET)	
LOCATION	CU YD
STA 10+32.91 TO STA 10+59.63	2.0
TOTAL	2.0

42001430 BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
LOCATION	SQ YD
STA 2141+70.49 TO STA 2142+00.49	123.3
STA 2143+03.27 TO STA 2143+35.77	133.6
TOTAL	256.9
USE	257

54210024 PIPE CULVERTS, CLASS D, TYPE 1 24" (TEMPORARY)	
LOCATION	FOOT
DETOUR RUNAROUND	
STA. 104+77.41	50.0
TOTAL	50

54210072 PIPE CULVERTS, CLASS D, TYPE 1 72" (TEMPORARY)	
LOCATION	FOOT
DETOUR RUNAROUND	
STA. 106+65.92	120
STA. 110+65.06	282
TOTAL	402

61101013 STORM SEWERS PROTECTED, CLASS A, 12"	
LOCATION	FOOT
DETOUR RUNAROUND	
STA. 10+66.07, 12.6' RT TO STA. 10+52.16, 51.7' RT	41.5
TOTAL	41.5
USE	42

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	
LOCATION	EACH
STA 2138+58.24 TO STA 2139+08.24, RT	1
STA 2144+26.02 TO STA 2144+76.02, RT	1
STA 2145+13.02 TO STA 2145+63.02, LT	1
TOTAL	3

X6310088 TRAFFIC BARRIER TERMINAL, TYPE 6A (SPECIAL)	
LOCATION	EACH
C.H. 1225 E	
STA 10+35.52 TO STA 10+51.94, RT	1
TOTAL	1

63100087 TRAFFIC BARRIER TERMINAL, TYPE 6A	
LOCATION	EACH
STA 2141+70.74 TO STA 2142+15.95, RT	1
STA 2142+55.81 TO STA 2143+01.02, RT	1
STA 2142+92.81 TO STA 2143+38.02, LT	1
TOTAL	3

63100045 TRAFFIC BARRIER TERMINAL, TYPE 2	
LOCATION	EACH
STA 10+51.94 TO STA 10+64.37, RT	1
TOTAL	1

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	
LOCATION	FOOT
STA 2139+08.24 TO STA 2141+70.74, RT	262.5
STA 2143+01.02 TO STA 2144+26.02, RT	125.0
STA 2143+38.02 TO STA 2145+13.02, LT	175.0
TOTAL	562.5

48101500 AGGREGATE SHOULDERS, TYPE B 6 INCH	
LOCATION	SQ YD
IL 54	
STA. 2138+21.59 TO STA. 2142+13.99, RT	59.5
STA. 2142+55.72 TO STA. 2145+29.93, RT	52.3
STA. 2142+94.77 TO STA. 2146+21.30, LT	59.8
TR 148 (1230E)	
STA. 10+35.66 TO STA. 10+50.26, RT	1.9
STA. 10+49.85 TO STA. 10+64.76, RT	2.4
DETOUR RUNAROUND	
STA. 101+33.87 TO STA. 112+69.06, RT	121.1
STA. 102+06.65 TO STA. 111+93.16, LT	105.1
AT RUNAROUND AFTER RUNAROUND REMOVAL	
STA. 2136+43.69 TO STA. 2137+46.40, RT	26.4
STA. 2147+16.47 TO STA. 2148+10.29, RT	18.4
TOTAL	1489.8
USE	1490

48203021 HOT-MIX ASPHALT SHOULDERS, 6"	
LOCATION	SQ YD
STA 2141+26.80 TO STA 2141+57.49, RT	13.3
STA 2141+26.80 TO STA 2141+91.68, LT	57.8
STA 2143+19.60 TO STA 2143+84.00, RT	30.2
STA 2143+48.77 TO STA 2143+84.00, LT	28.3
TOTAL	129.6
USE	130

FILE NAME =
D570271-sht-schedule.DGN

USER NAME = wllewis
DESIGNED - JDS
DRAWN - WLL
CHECKED - RJA
PLOT SCALE = 40.0000' / IN.
PLOT DATE = 11/16/2010 10:59:12 AM

REVISOR -
REVISOR -
REVISOR -
REVISOR -

DATE -
DATE -
DATE -
DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 54 OVER COON CREEK
SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1BR-1)	DEWITT	76	6
CONTRACT NO. 70271				

ILLINOIS FED. AID PROJECT

67000500 ENGINEERS FIELD OFFICE, TYPE B	
LOCATION	CAL MO
ENTIRE PROJECT	8
TOTAL	8

72400500 RELOCATE SIGN PANEL ASSEMBLY-TYPE A	
LOCATION	EACH
STA 10+31.80, 13.3' LT	1
TOTAL	1

78100100 RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION	EACH
STA 2141+26.80	1
STA 2143+66.80	1
TOTAL	2

78100105 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	
LOCATION	EACH
STA 2142+06.80	1
STA 2142+86.80	1
TOTAL	2

78200410 GUARDRAIL MARKERS, TYPE A	
LOCATION	EACH
IL 54	
STA 2138+58.24 TO STA 2142+15.95, RT	4
STA 2142+55.81 TO STA 2144+76.02, RT	3
STA 2142+92.81 TO STA 2145+63.02, LT	3
TR 148 (1230E)	
STA 10+35.52 TO STA 10+64.37, RT	1
TOTAL	11

78201000 TERMINAL MARKER-DIRECT APPLIED	
LOCATION	EACH
IL 54	
STA. 2138+58.24, RT	1
STA. 2144+76.02, RT	1
STA. 2145+63.02, LT	1
TR 148 (1230E)	
STA. 10+64.37, RT	1
TOTAL	4

28000305 TEMPORARY DITCH CHECKS	
LOCATION	FOOT
IL 54	
STA. 2142+00.00, LT	9.57
STA. 2146+00.00, LT	10.47
DETOUR RUNAROUND	
STA. 107+00.00, LT	5.98
STA. 108+00.00, LT	5.98
STA. 109+25.00, LT	5.98
STA. 112+00.00, RT	5.65
TOTAL	43.63
USE	44

78300100 PAVEMENT MARKING REMOVAL			
LOCATION	TYPE	SQ FT	
STA. 2133+75.01 TO STA. 2136+35.55	DASH	21.7	
STA. 2136+43.69 TO STA. 2137+14.41, RT	SOLID	23.6	
STA. 2147+40.44 TO STA. 2148+10.29, RT	SOLID	23.3	
STA. 2148+19.51 TO STA. 2150+30.46	DASH	17.6	
TOTAL		86.1	
USE		86	

70301000 WORKZONE PAVEMENT MARKING REMOVAL		
LOCATION		SQ FT
STA. 2134+35.01, 12.9' LT TO STA. 2137+14.41, 12.5' RT		93.7
STA. 2147+40.44, 12.6' RT TO STA. 2150+20.46, 12.9' LT		93.9
TOTAL		187.5
USE		188

X0326790 TEMPORARY PAVEMENT (OPTION)		
LOCATION		SQ YD
STA. 2136+43.69 TO STA. 2148+10.29, RT		1475.6
TOTAL		1475.6
USE		1476

78001110 PAINT PAVEMENT MARKING - LINE 4"			
LOCATION	TYPE	FOOT	
STA. 2133+75.01 TO STA. 2136+35.55	DASHED	65.1	
STA. 2136+43.69 TO STA. 2137+14.41, RT	SOLID	70.7	
STA. 2141+26.80 TO STA. 2143+84.00, RT	SOLID	257.2	
STA. 2141+26.80 TO STA. 2143+84.00, LT	SOLID	257.2	
STA. 2141+26.80 TO STA. 2143+84.00	DASHED	64.3	
STA. 2147+40.44 TO STA. 2148+10.29, RT	SOLID	69.8	
STA. 2148+19.51 TO STA. 2150+30.46	DASHED	52.7	
TOTAL		837.1	
USE		837	

70300220 TEMPORARY PAINT PAVEMENT MARKING - LINE 4"		
LOCATION		FOOT
STA. 2134+35.01 TO STA. 2150+20.46, LT (RUNAROUND)		1603.7
STA. 2136+43.69 TO STA. 2148+10.29, RT (RUNAROUND)		1183.7
TOTAL		2787.3
USE		2787

70106500 TEMPORARY BRIDGE TRAFFIC SIGNALS	
LOCATION	EACH
ENTIRE PROJECT	1
TOTAL	1

63200310 GUARDRAIL REMOVAL	
LOCATION	FOOT
IL 54	
STA 2139+21.34 TO STA 2142+11.86, RT	290.5
STA 2142+66.42 TO STA 2144+69.68, RT	203.3
STA 2143+09.01 TO STA 2145+62.59, LT	253.6
TR 148 (1230E)	
STA 10+36.83 TO STA 10+63.35, RT	40.3
TOTAL	787.7
USE	788

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	EACH
STA. 2141+26.80 TO STA. 2141+70.49	1
STA. 2143+35.77 TO STA. 2143+84.00	1
TOTAL	2

Z0038700 PERMANENT BENCH MARKS	
LOCATION	EACH
ENTIRE PROJECT	1
TOTAL	1

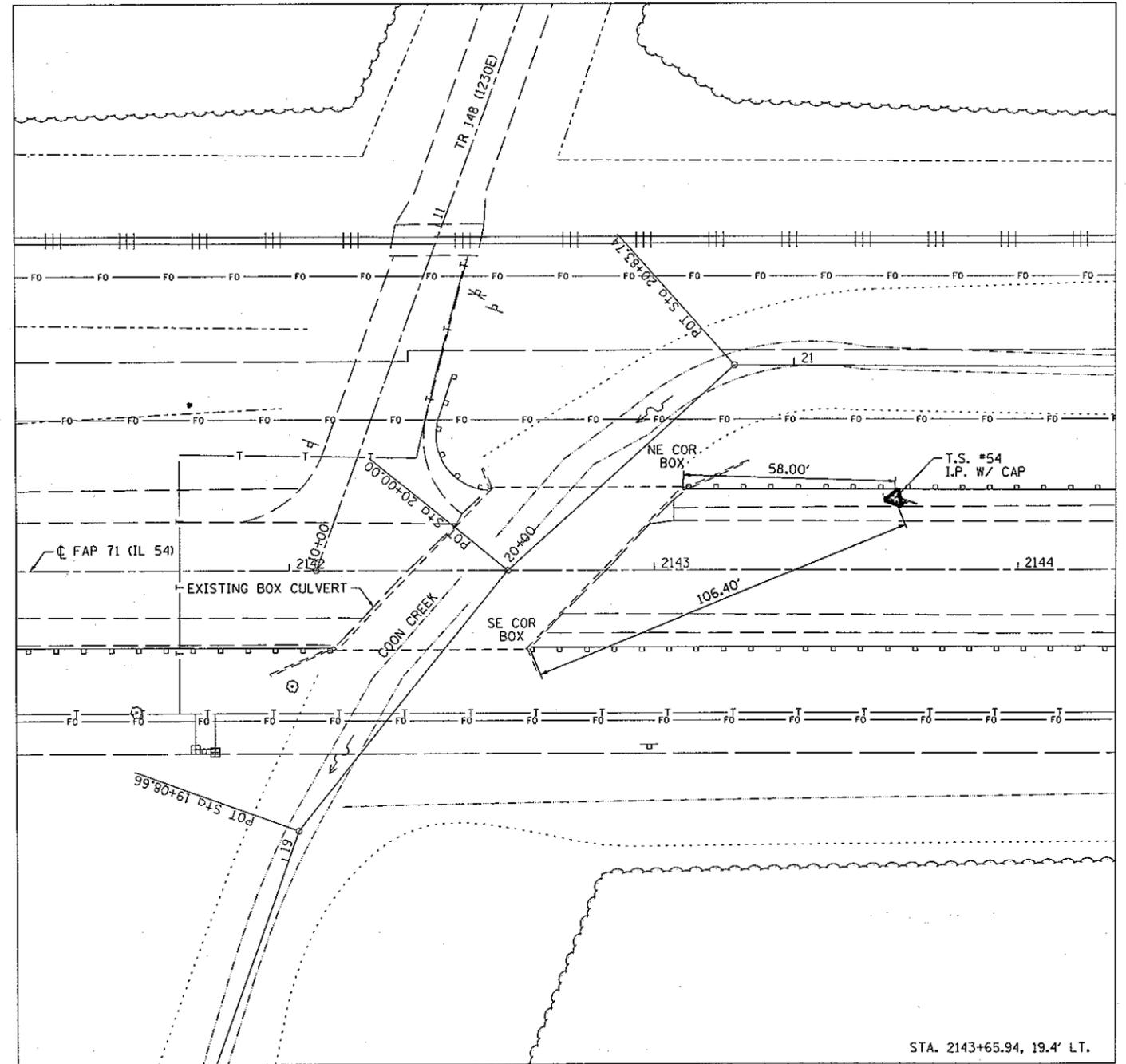
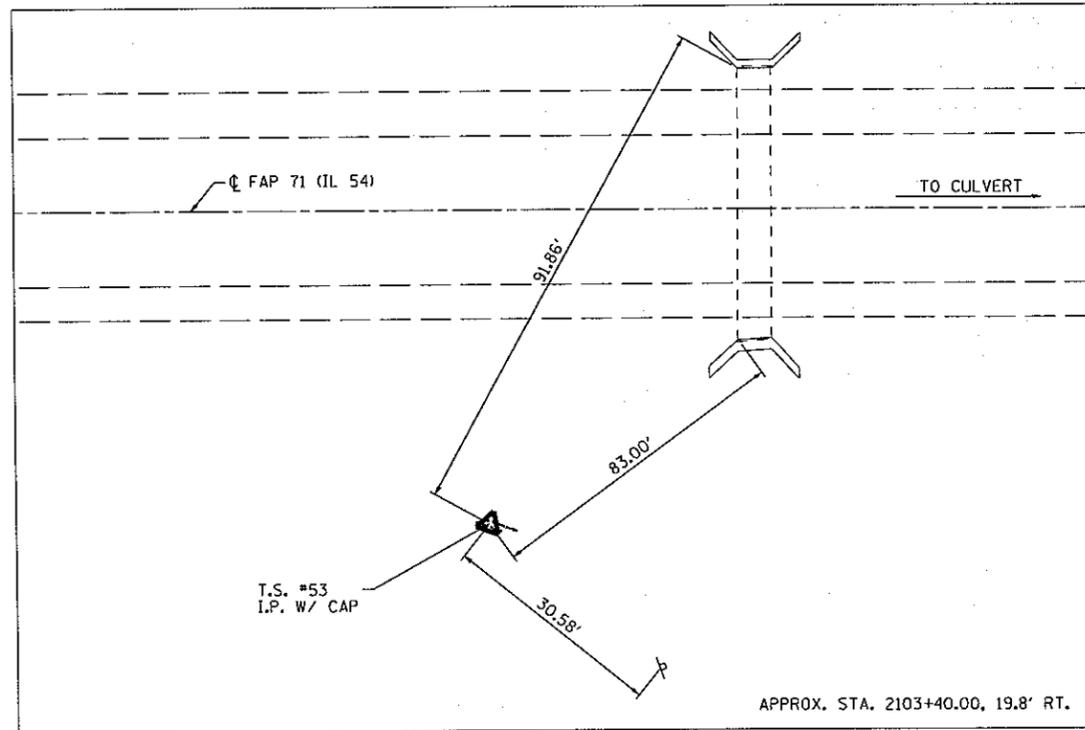
66600105 FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	
LOCATION	EACH
STA. 2141+95.55, 49.9' RT	1
TOTAL	1

28000400 PERIMETER EROSION BARRIER	
LOCATION	FOOT
IL 54	
STA. 2138+20.23, 20.3' RT TO STA. 2138+25.70, 31.4' RT	12.4
STA. 2138+71.89, 40.5' RT TO STA. 2140+06.92, 28.3' RT	145.9
STA. 2140+13.98, 25.1' RT TO STA. 2141+95.41, 49.9' RT	191.6
STA. 2141+26.91, 28.0' LT TO STA. 2141+90.60, 24.3' LT	63.8
STA. 2142+59.86, 27.5' RT TO STA. 2145+29.89, 17.7' RT	283.8
STA. 2143+30.34, 49.1' LT TO STA. 2146+21.26, 18.2' LT	303.2
DETOUR RUNAROUND	
STA. 101+12.12, 16.2' RT TO STA. 104+77.13, 25.0' RT	367.3
STA. 102+59.82, 14.4' LT TO STA. 104+75.62, 24.9' LT	211.9
STA. 104+77.68, 25.0' LT TO STA. 106+72.80, 29.8' LT	199.1
STA. 104+79.09, 25.0' RT TO STA. 106+40.74, 24.7' RT	172.6
STA. 106+59.16, 29.9' RT TO STA. 110+65.87, 19.1' RT	415.4
STA. 110+50.00, 20.9' RT TO STA. 111+27.05, 15.4' LT	76.7
STA. 112+21.78, 20.4' RT TO STA. 112+74.55, 15.7' RT	51.8
TOTAL	2495.5
USE	2496

BENCHMARK INFORMATION:

BM B: CHISELED SQUARE ON
SW CORNER OF BOX CULVERT
OVER COON CREEK,
STA. 2142+11.63, 21.82' RT. ELEV. = 729.62

HORIZONTAL CONTROL POINTS						
POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
53	1273151.74	819034.42	N/A	2130+40	19.8' RT	IRON PIN WITH CAP
54	1274531.97	822818.63	IL54	2143+65.94	19.4' LT	IRON PIN WITH CAP



FILE NAME = 0570271-sht-ATB.dgn

USER NAME = vllavis

DESIGNED - JDS
DRAWN - WLL

REVISOR -
REVISION -
CHECKED - RJA
DATE -

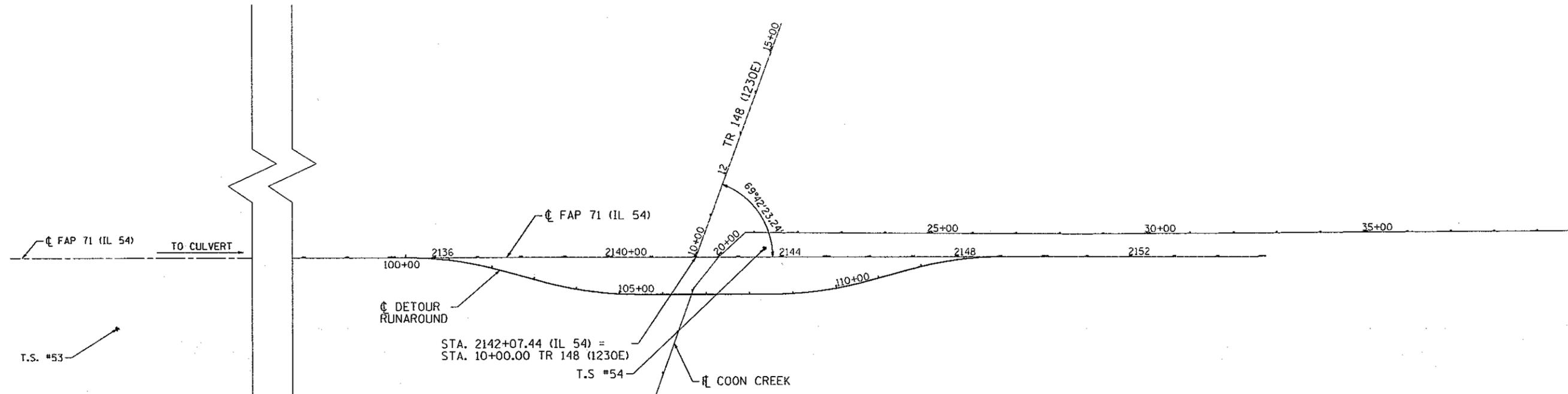
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 54 OVER COON CREEK
ALIGNMENT, TIES AND BENCHMARKS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1)B-1	DEWITT	76	8

CONTRACT NO. 70271
ILLINOIS FED. AID PROJECT



Beginning chain IL54 description

Point 1 N 1,274,151.20 E 821,800.80 Sta 2132+79.40
 Course from 1 to 2 N 70° 30' 35.46" E Dist 2,220.87
 Point 2 N 1,274,892.18 E 823,894.41 Sta 2155+00.27

Ending chain IL54 description

Beginning chain TR148 description

Point TR01 N 1,274,460.84 E 822,675.67 Sta 10+00.00
 Course from TR01 to TR02 N 0° 48' 12.22" E Dist 570.01
 Point TR02 N 1,275,030.80 E 822,683.66 Sta 15+70.01

Ending chain TR148 description

Beginning chain DETOUR description

Curve Data
 Curve DETOUR-1
 P.I. Station 101+10.40 N 1,274,275.13 E 822,150.94
 Delta = 15° 20' 10.75" (RT)
 Degree = 6° 59' 14.24"
 Tangent = 110.40
 Length = 219.49
 Radius = 820.00
 External = 7.40
 Long Chord = 218.83
 Mid. Ord. = 7.33
 P.C. Station 100+00.00 N 1,274,238.29 E 822,046.86
 P.T. Station 102+19.49 N 1,274,283.12 E 822,261.05
 C.C. N 1,273,465.28 E 822,320.45
 Bac = N 70° 30' 35.46" E
 Ahead = N 85° 50' 46.20" E
 Chord Bear = N 78° 10' 40.83" E
 Course from PT DETOUR-1 to
 PC DETOUR-2 N 85° 50' 46.20" E Dist 100.57

Curve Data
 Curve DETOUR-2
 P.I. Station 104+30.46 N 1,274,298.41 E 822,471.48
 Delta = 15° 20' 10.75" (LT)
 Degree = 6° 59' 14.24"
 Tangent = 110.40
 Length = 219.49
 Radius = 820.00
 External = 7.40
 Long Chord = 218.83
 Mid. Ord. = 7.33
 P.C. Station 103+20.06 N 1,274,290.41 E 822,361.36
 P.T. Station 105+39.55 N 1,274,335.24 E 822,575.55
 C.C. N 1,275,108.25 E 822,301.97
 Bac = N 85° 50' 46.20" E
 Ahead = N 70° 30' 35.46" E
 Chord Bear = N 78° 10' 40.83" E
 Course from PT DETOUR-2 to
 PC DETOUR-3 N 70° 30' 35.46" E Dist 312.74

Curve Data

Curve DETOUR-3
 P.I. Station 109+62.70 N 1,274,476.42 E 822,974.46
 Delta = 15° 20' 10.76" (LT)
 Degree = 6° 59' 14.24"
 Tangent = 110.40
 Length = 219.49
 Radius = 820.00
 External = 7.40
 Long Chord = 218.83
 Mid. Ord. = 7.33
 P.C. Station 108+52.29 N 1,274,439.59 E 822,870.38
 P.T. Station 110+71.78 N 1,274,539.47 E 823,065.08
 C.C. N 1,275,212.60 E 822,596.79
 Back = N 70° 30' 35.46" E
 Ahead = N 55° 10' 24.70" E
 Chord Bear = N 62° 50' 30.08" E
 Course from PT DETOUR-3 to
 PC DETOUR-4 N 55° 10' 24.70" E Dist 100.57

Curve Data
 Curve DETOUR-4
 P.I. Station 112+82.76 N 1,274,659.96 E 823,238.27
 Delta = 15° 20' 10.76" (RT)
 Degree = 6° 59' 14.24"
 Tangent = 110.40
 Length = 219.49
 Radius = 820.00
 External = 7.40
 Long Chord = 218.83
 Mid. Ord. = 7.33
 P.C. Station 111+72.35 N 1,274,596.91 E 823,147.64
 P.T. Station 113+91.84 N 1,274,696.80 E 823,342.35
 C.C. N 1,273,923.78 E 823,615.94
 Back = N 55° 10' 24.70" E
 Ahead = N 70° 30' 35.46" E
 Chord Bear = N 62° 50' 30.08" E

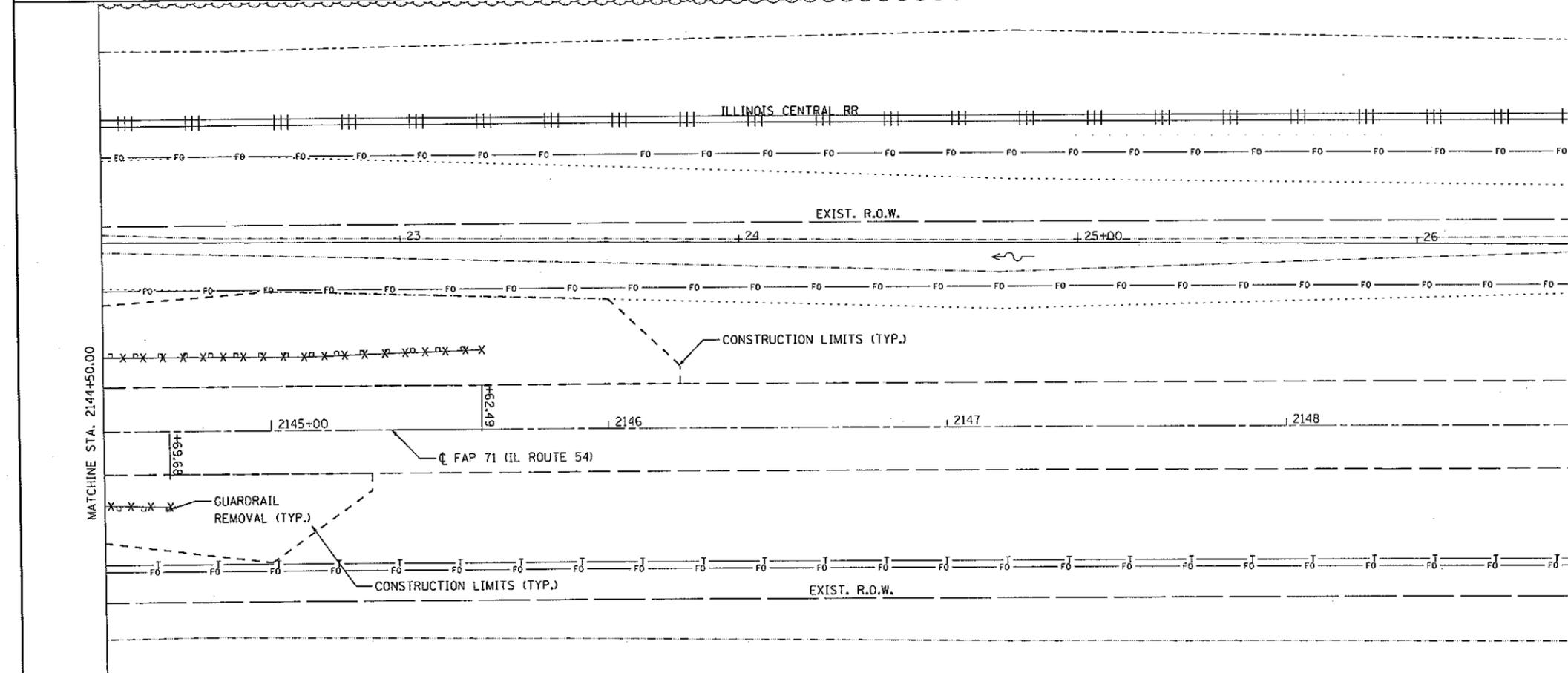
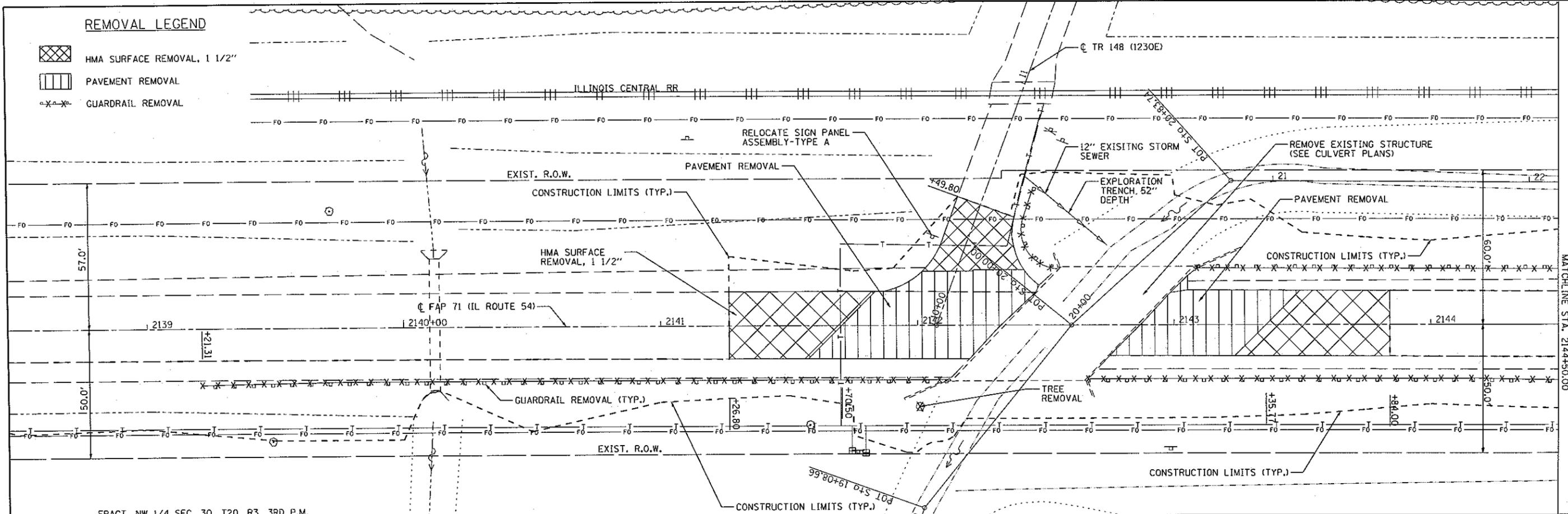
Ending chain DETOUR description



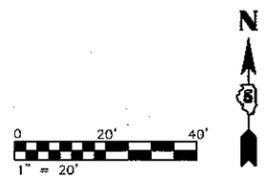
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PLOT SCALE = 40.0000' / IN.	CHECKED - RJA	REVISED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 70271			
PLOT DATE = 11/30/2010 8:39:42 AM	DATE -	REVISED -	REVISED -										

REMOVAL LEGEND

-  HMA SURFACE REMOVAL, 1 1/2"
-  PAVEMENT REMOVAL
-  GUARDRAIL REMOVAL



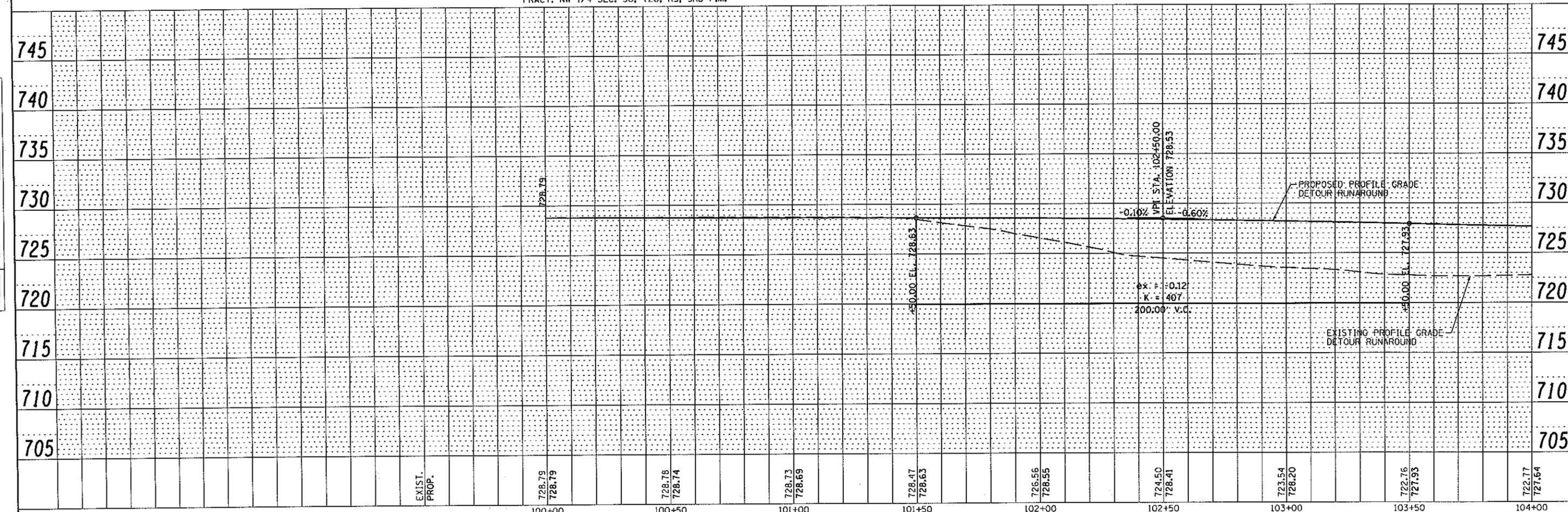
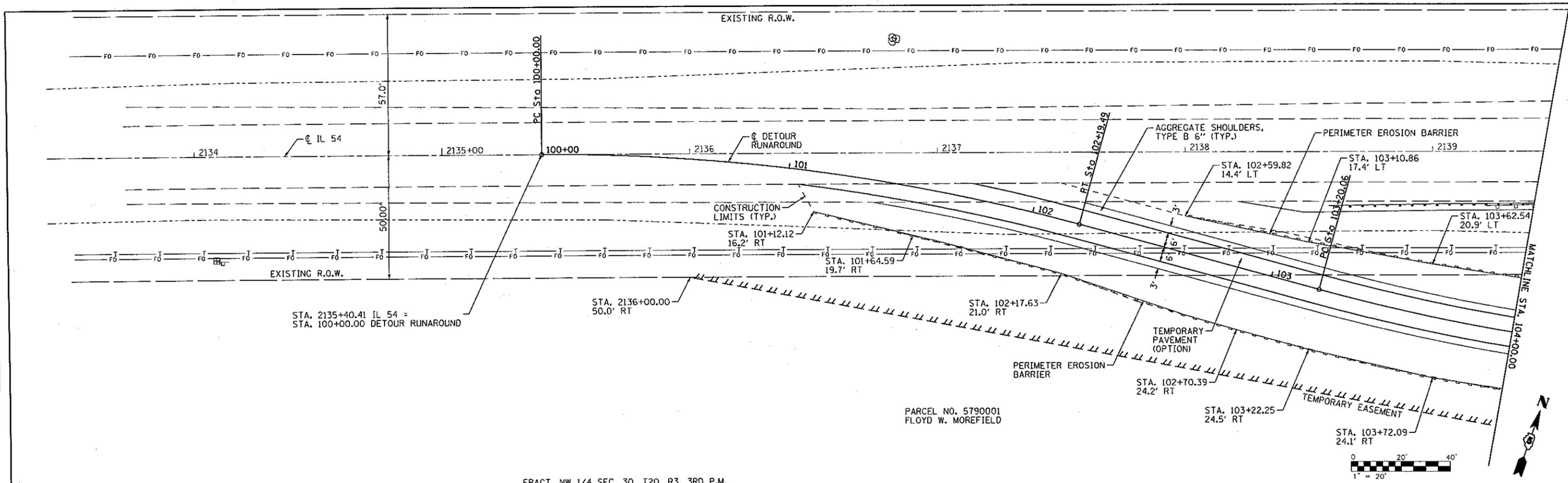
- NOTE:**
1. SEE PLAN AND PROFILE - RUNAROUND SHEETS 13-15 FOR RUNAROUND REMOVAL ITEMS INCLUDING TREE REMOVAL, ACRES LIMITS.
 2. THE REMOVAL OF THE EXISTING PAVEMENT ABOVE THE EXISTING CULVERT IS INCLUDED IN THE COST OF REMOVAL OF EXISTING STRUCTURES FOR THE EXISTING CULVERT REMOVAL.



FILE NAME = 0570271-sht-rem.DGN	USER NAME = wlewis	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK REMOVAL PLAN	F.A.P. RTE. 71	SECTION (158-1)BR-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 10	
PLOT SCALE = 40,0000' / IN.		DRAWN - WLL				SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 70271			
PLOT DATE = 12/1/2010 12:05:19 PM		CHECKED - RJA						ILLINOIS FED. AID PROJECT			
DATE -		REVISED -									

DATE	
BY	
APPROVED	
NOTED	
NO.	

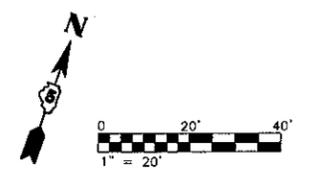
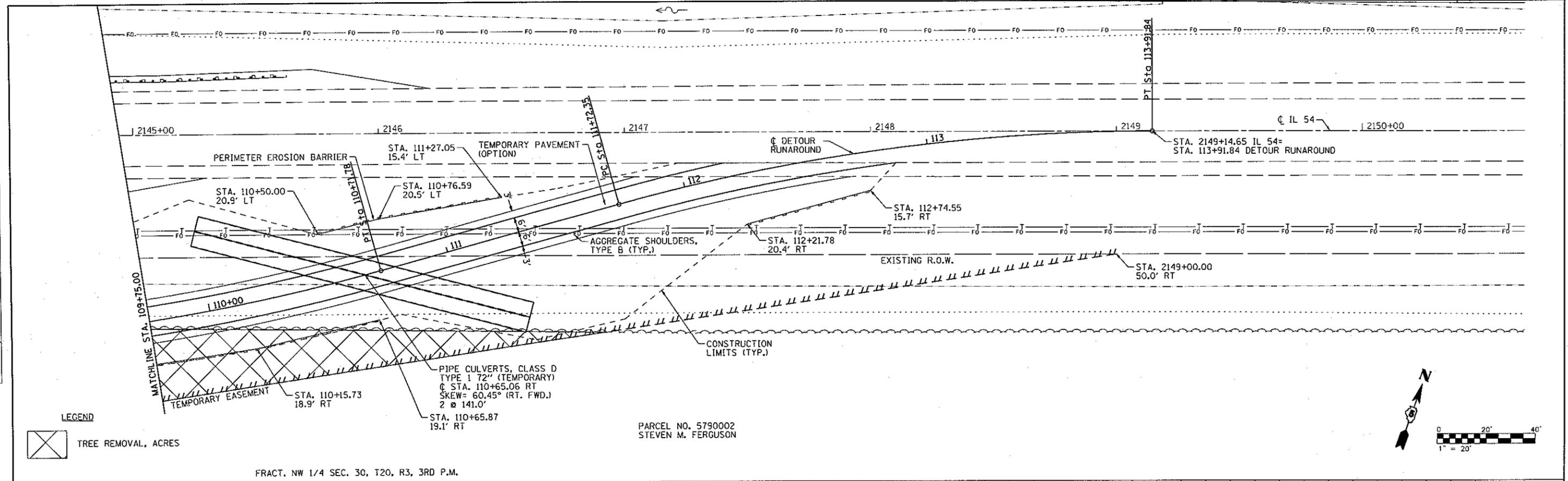
DATE	
BY	
APPROVED	
NOTED	
NO.	



FILE NAME = D570271-sht-detplan1.DGN	USER NAME = jllawis	DESIGNED - JDS	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK PLAN & PROFILE - RUNAROUND			F.A.P. RTE. 71	SECTION (15B-1)BR-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 13
PLOT SCALE = 40.0000" / IN.	DRAWN - WLL	CHECKED - RJA	REVISD -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 70271		
PLOT DATE = 12/1/2010 12:18:48 PM	DATE -	REVISD -	REVISD -									

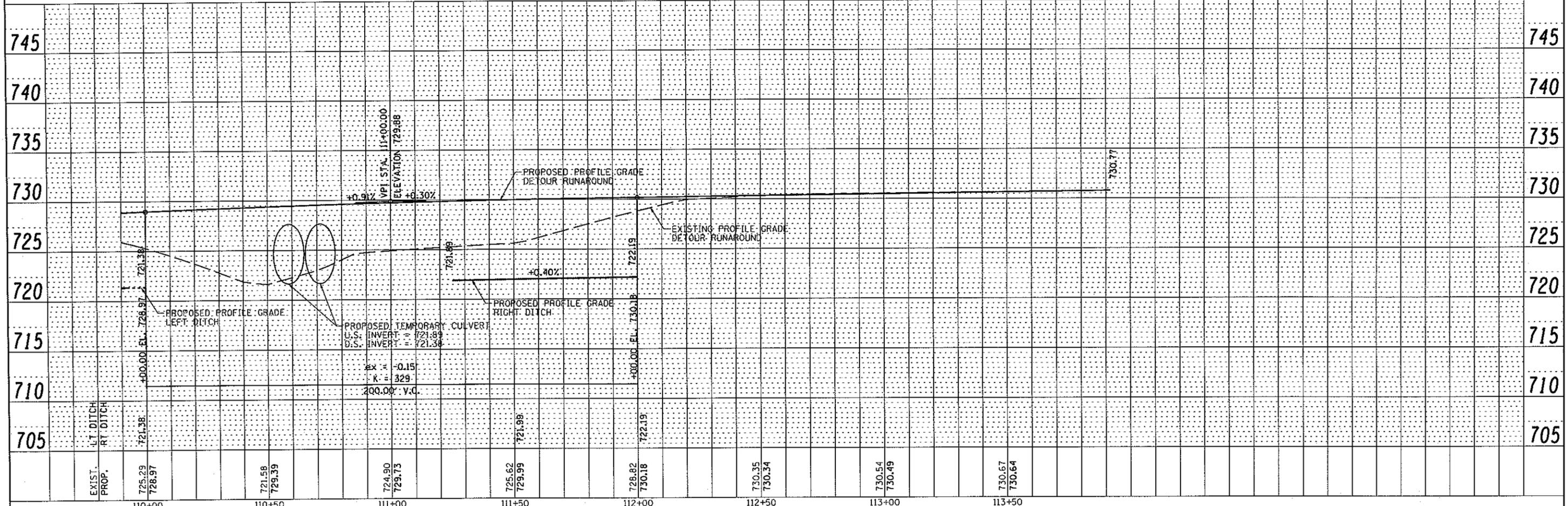
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BY	
SURVEYED	
ALIGNED	
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PLANNED	
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DATE	
BY	
SURVEYED	
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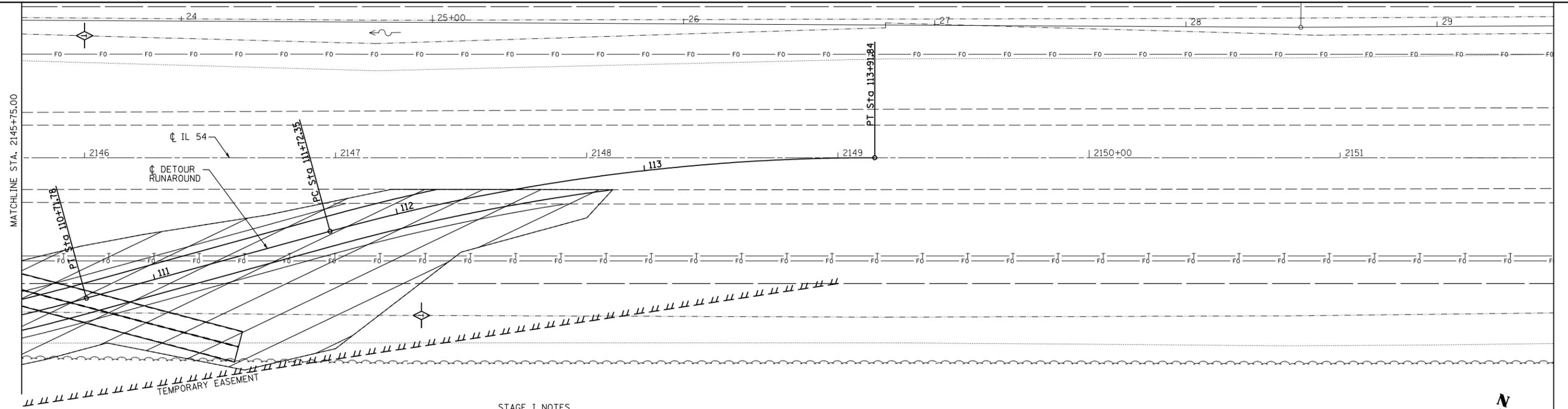


FRACT. NW 1/4 SEC. 30, T20, R3, 3RD P.M.

PARCEL NO. 5790002
STEVEN M. FERGUSON



FILE NAME = D570271-sht-detplan1.DGN	USER NAME = williams	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK PLAN & PROFILE - RUNAROUND			F.A.P. RTE. = 71	SECTION = (15B-1)BR-1	COUNTY = DEWITT	TOTAL SHEETS = 76	SHEET NO. = 15
PLOT SCALE = 40.0000' / IN.	CHECKED - RJA	DRAWN - WLL	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 70271				
PLOT DATE = 12/1/2010 12:19:04 PM	DATE -	REVISIONS	REVISIONS		ILLINOIS FED. AID PROJECT							

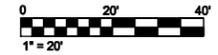


STAGE I NOTES

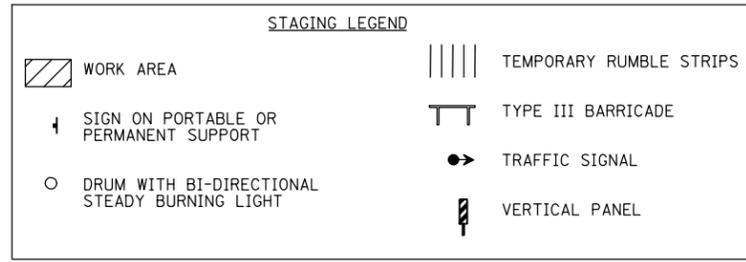
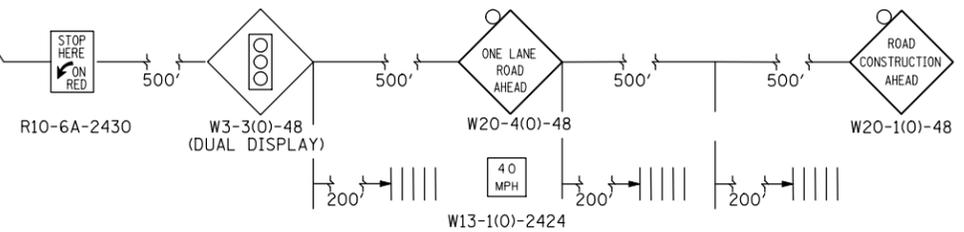
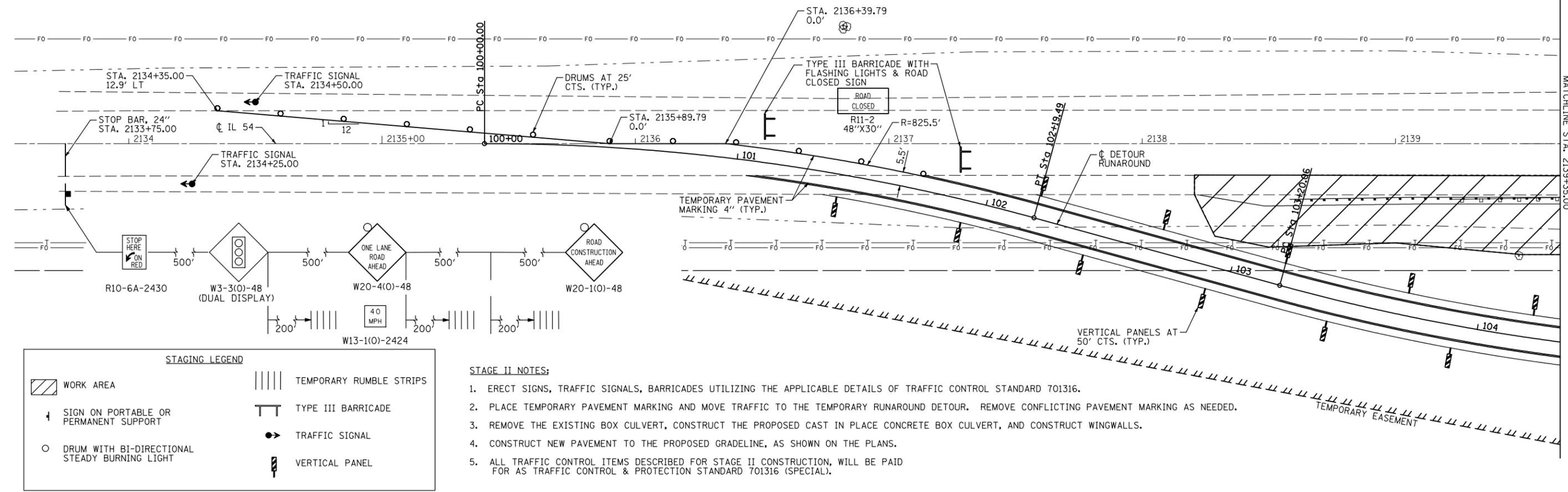
1. CONSTRUCT TEMPORARY CULVERTS UTILIZING TRAFFIC CONTROL STANDARD 701006.
2. CONSTRUCT RUNAROUND DETOUR UTILIZING TRAFFIC CONTROL STANDARDS 701006, 701011, AND 701201.

STAGING LEGEND

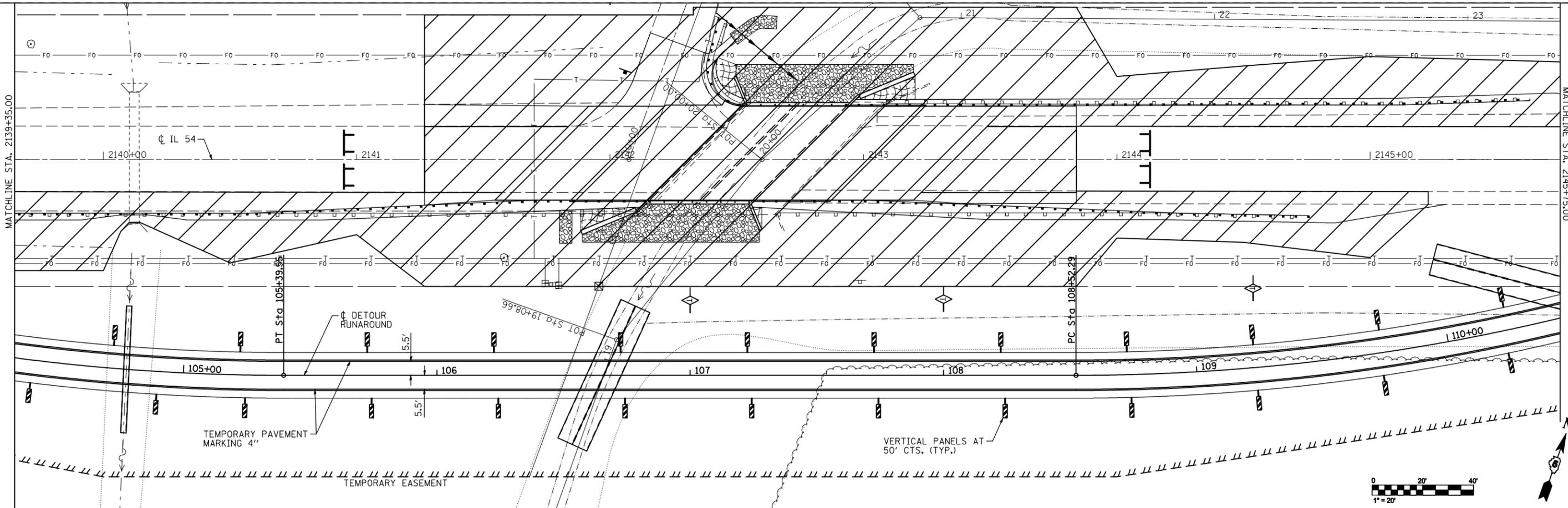
- | | |
|--|---|
|  WORK AREA |  TEMPORARY RUMBLE STRIPS |
|  SIGN ON PORTABLE OR PERMANENT SUPPORT |  TYPE III BARRICADE |
|  DRUM WITH BI-DIRECTIONAL STEADY BURNING LIGHT |  TRAFFIC SIGNAL |
| |  VERTICAL PANEL |



FILE NAME =	USER NAME = bowerml	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK STAGE I CONSTRUCTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILES#		DRAWN - WLL	REVISED -			71	(15B-1)BR-1	DEWITT	76	17
		CHECKED - RJA	REVISED -			CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	
		PLOT SCALE = 40.0000' / IN.	REVISED -	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.		
		PLOT DATE = 12/9/2010	REVISED -							



- STAGE II NOTES:**
1. ERECT SIGNS, TRAFFIC SIGNALS, BARRICADES UTILIZING THE APPLICABLE DETAILS OF TRAFFIC CONTROL STANDARD 701316.
 2. PLACE TEMPORARY PAVEMENT MARKING AND MOVE TRAFFIC TO THE TEMPORARY RUNAROUND DETOUR. REMOVE CONFLICTING PAVEMENT MARKING AS NEEDED.
 3. REMOVE THE EXISTING BOX CULVERT, CONSTRUCT THE PROPOSED CAST IN PLACE CONCRETE BOX CULVERT, AND CONSTRUCT WINGWALLS.
 4. CONSTRUCT NEW PAVEMENT TO THE PROPOSED GRADELINE, AS SHOWN ON THE PLANS.
 5. ALL TRAFFIC CONTROL ITEMS DESCRIBED FOR STAGE II CONSTRUCTION, WILL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION STANDARD 701316 (SPECIAL).



FILE NAME =
#FILES#

USER NAME = bowerml
PLOT SCALE = 40.0000' / IN.
PLOT DATE = 12/9/2010 *TIME#

DESIGNED - JDS
DRAWN - WLL
CHECKED - RJA
DATE -

REVISED -
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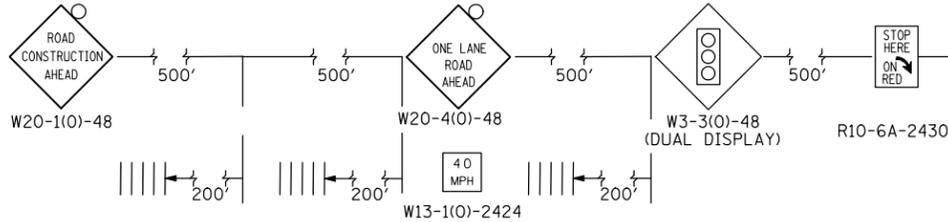
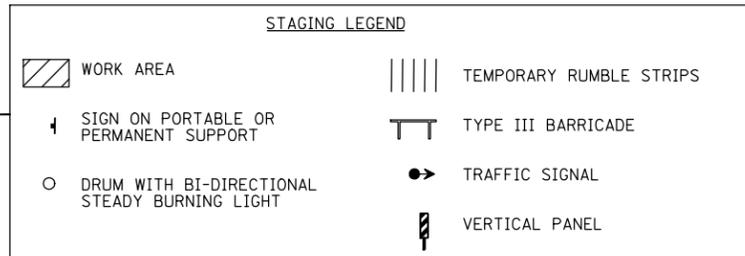
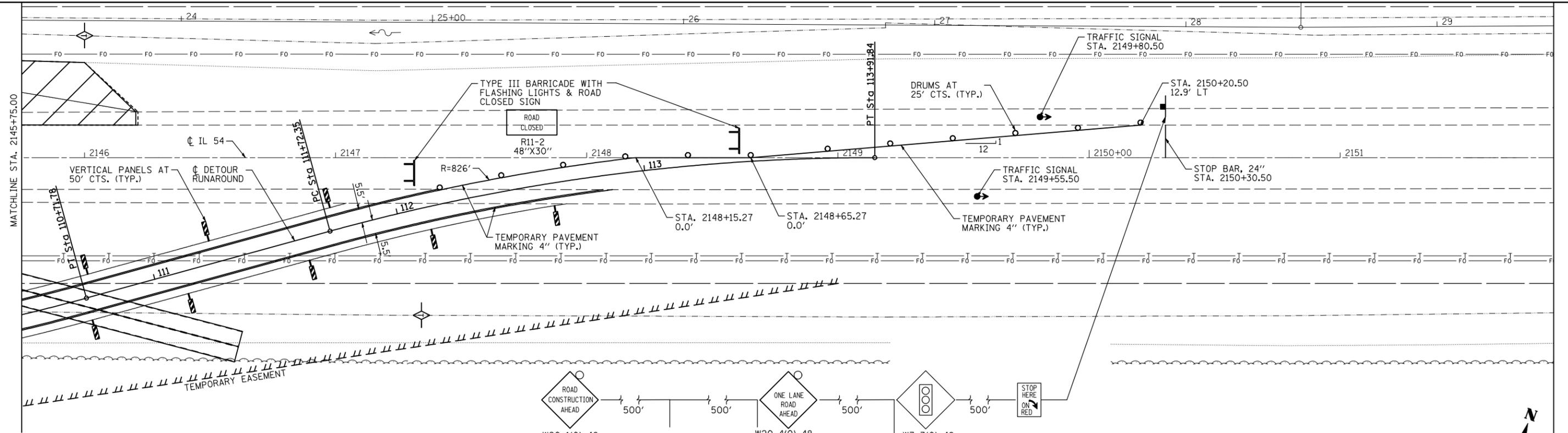
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 54 OVER COON CREEK
STAGE II CONSTRUCTION**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1BR-1)	DEWITT	76	18
CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	

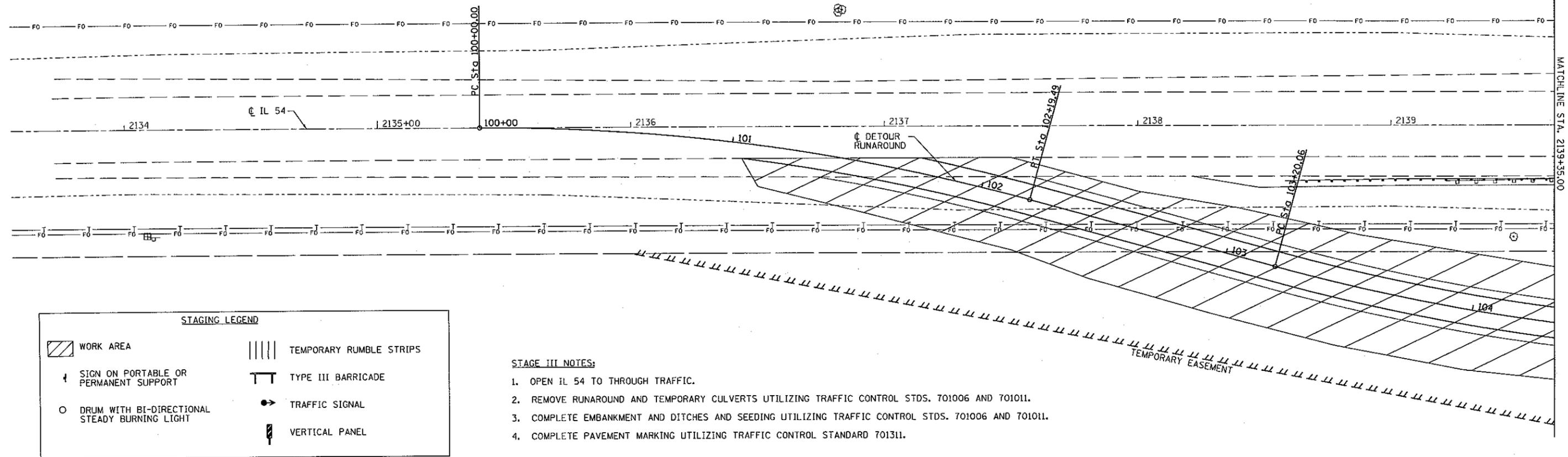




STAGE II NOTES:

1. ERECT SIGNS, TRAFFIC SIGNALS, BARRICADES UTILIZING THE APPLICABLE DETAILS OF TRAFFIC CONTROL STANDARD 701316.
2. PLACE TEMPORARY PAVEMENT MARKING AND MOVE TRAFFIC TO THE TEMPORARY RUNAROUND DETOUR. REMOVE CONFLICTING PAVEMENT MARKING AS NEEDED.
3. REMOVE THE EXISTING BOX CULVERT, CONSTRUCT THE PROPOSED CAST IN PLACE CONCRETE BOX CULVERT, AND CONSTRUCT WINGWALLS.
4. CONSTRUCT NEW PAVEMENT TO THE PROPOSED GRADELINE, AS SHOWN ON THE PLANS.
5. ALL TRAFFIC CONTROL ITEMS DESCRIBED FOR STAGE II CONSTRUCTION, WILL BE PAID FOR AS TRAFFIC CONTROL & PROTECTION STANDARD 701316 (SPECIAL).

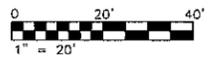
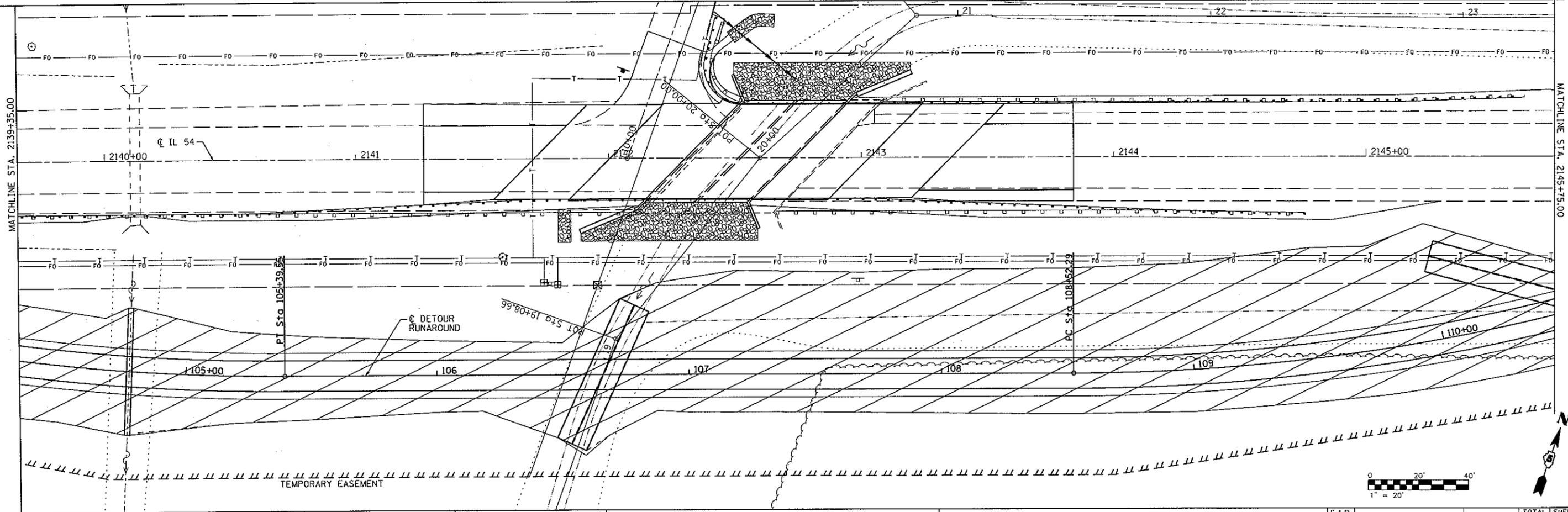
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	PLOT SCALE = 40.0000' / IN.	CHECKED - RJA	REVISED -			CONTRACT NO. 70271					
	PLOT DATE = 12/9/2010 *TIME#	DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT



STAGING LEGEND

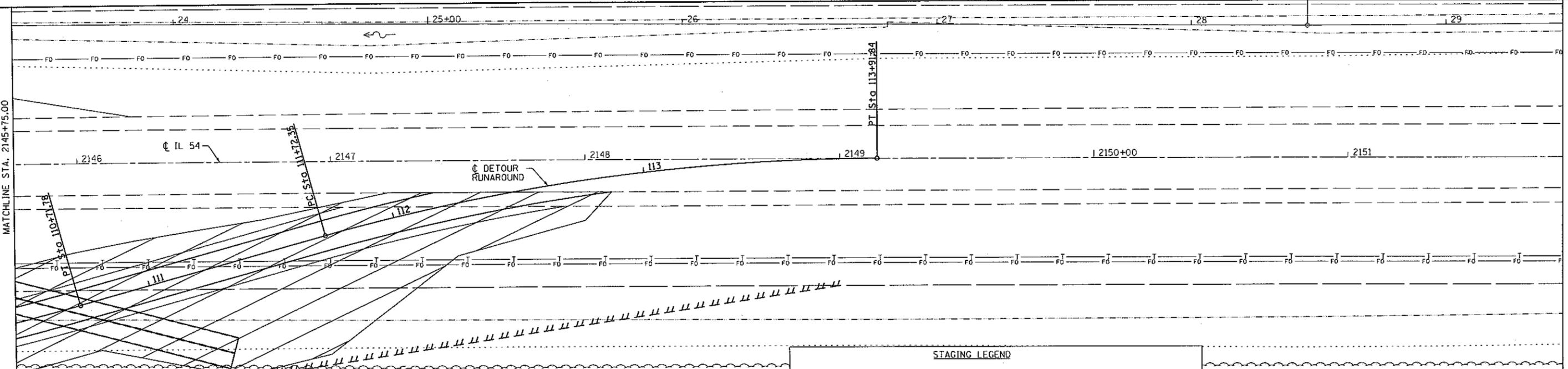
WORK AREA	TEMPORARY RUMBLE STRIPS
SIGN ON PORTABLE OR PERMANENT SUPPORT	TYPE III BARRICADE
DRUM WITH BI-DIRECTIONAL STEADY BURNING LIGHT	TRAFFIC SIGNAL
	VERTICAL PANEL

- STAGE III NOTES:**
1. OPEN IL 54 TO THROUGH TRAFFIC.
 2. REMOVE RUNAROUND AND TEMPORARY CULVERTS UTILIZING TRAFFIC CONTROL STDS. 701006 AND 701011.
 3. COMPLETE EMBANKMENT AND DITCHES AND SEEDING UTILIZING TRAFFIC CONTROL STDS. 701006 AND 701011.
 4. COMPLETE PAVEMENT MARKING UTILIZING TRAFFIC CONTROL STANDARD 701311.



FILE NAME = 0570271-sht-staging.DGN	USER NAME = wllewis	DESIGNED - JDS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK STAGE III CONSTRUCTION				F.A.P. RTE. 71	SECTION (15B-1)BR-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 20
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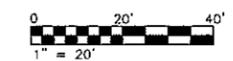
MATCHLINE STA. 2145+75.00



- STAGE III NOTES:**
1. OPEN IL 54 TO THROUGH TRAFFIC.
 2. REMOVE RUNAROUND AND TEMPORARY CULVERTS UTILIZING TRAFFIC CONTROL STDS. 701006 AND 701011.
 3. COMPLETE EMBANKMENT AND DITCHES AND SEEDING UTILIZING TRAFFIC CONTROL STDS. 701006 AND 701011.
 4. COMPLETE PAVEMENT MARKING UTILIZING TRAFFIC CONTROL STANDARD 701311.

STAGING LEGEND

 WORK AREA	 TEMPORARY RUMBLE STRIPS
 SIGN ON PORTABLE OR PERMANENT SUPPORT	 TYPE III BARRICADE
 DRUM WITH BI-DIRECTIONAL STEADY BURNING LIGHT	 TRAFFIC SIGNAL
	 VERTICAL PANEL



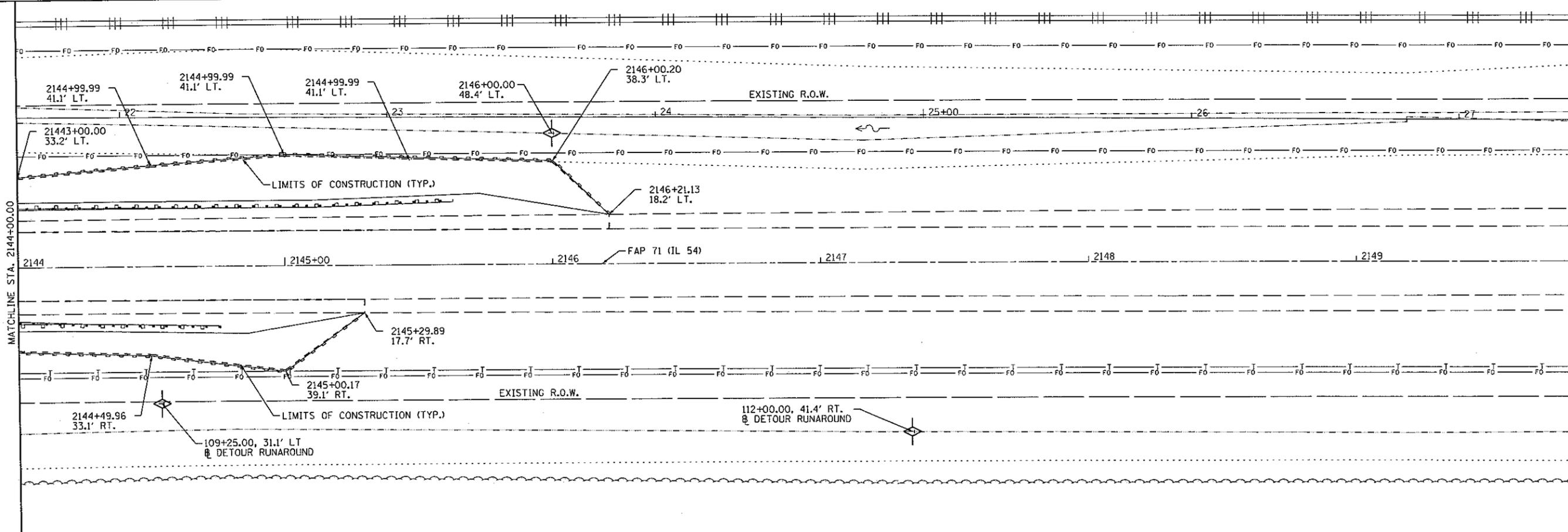
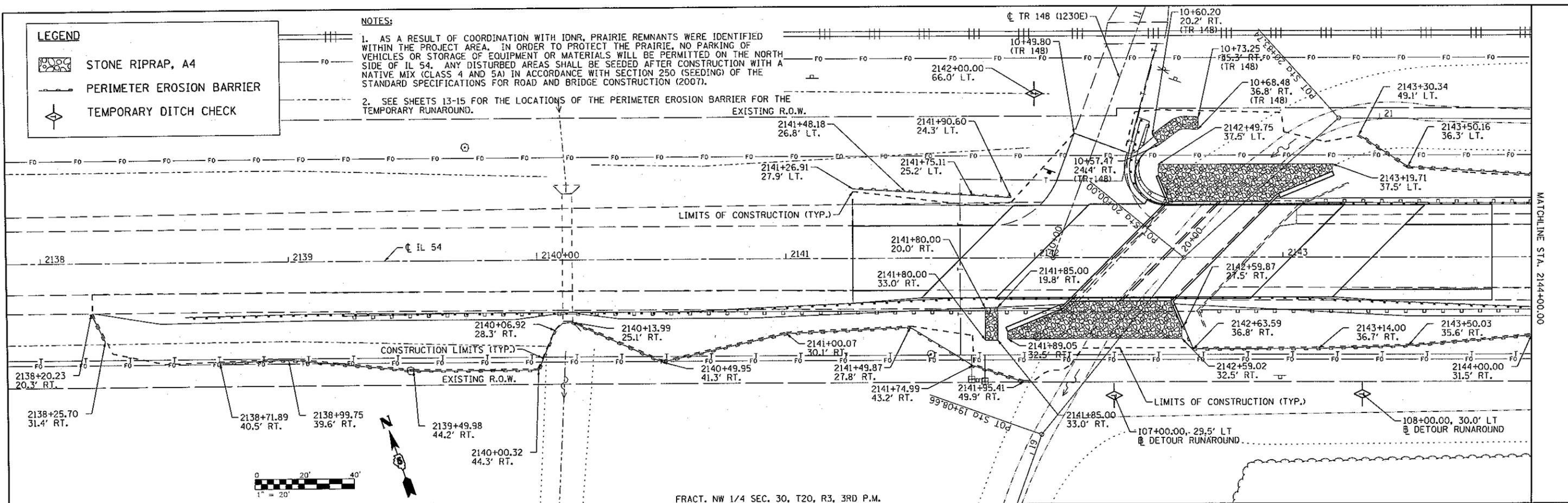
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PLOT DATE = 12/1/2010 12:20:20 PM						DATE		ILLINOIS FED. AID PROJECT			
CONTRACT NO. 70271											

LEGEND

-  STONE RIPRAP, A4
-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK

NOTES:

- AS A RESULT OF COORDINATION WITH IDNR, PRAIRIE REMNANTS WERE IDENTIFIED WITHIN THE PROJECT AREA. IN ORDER TO PROTECT THE PRAIRIE, NO PARKING OF VEHICLES OR STORAGE OF EQUIPMENT OR MATERIALS WILL BE PERMITTED ON THE NORTH SIDE OF IL 54. ANY DISTURBED AREAS SHALL BE SEEDED AFTER CONSTRUCTION WITH A NATIVE MIX (CLASS 4 AND 5A) IN ACCORDANCE WITH SECTION 250 (SEEDING) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2007).
- SEE SHEETS 13-15 FOR THE LOCATIONS OF THE PERIMETER EROSION BARRIER FOR THE TEMPORARY RUNAROUND.



FILE NAME = D570271-sht-eros.DGN

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

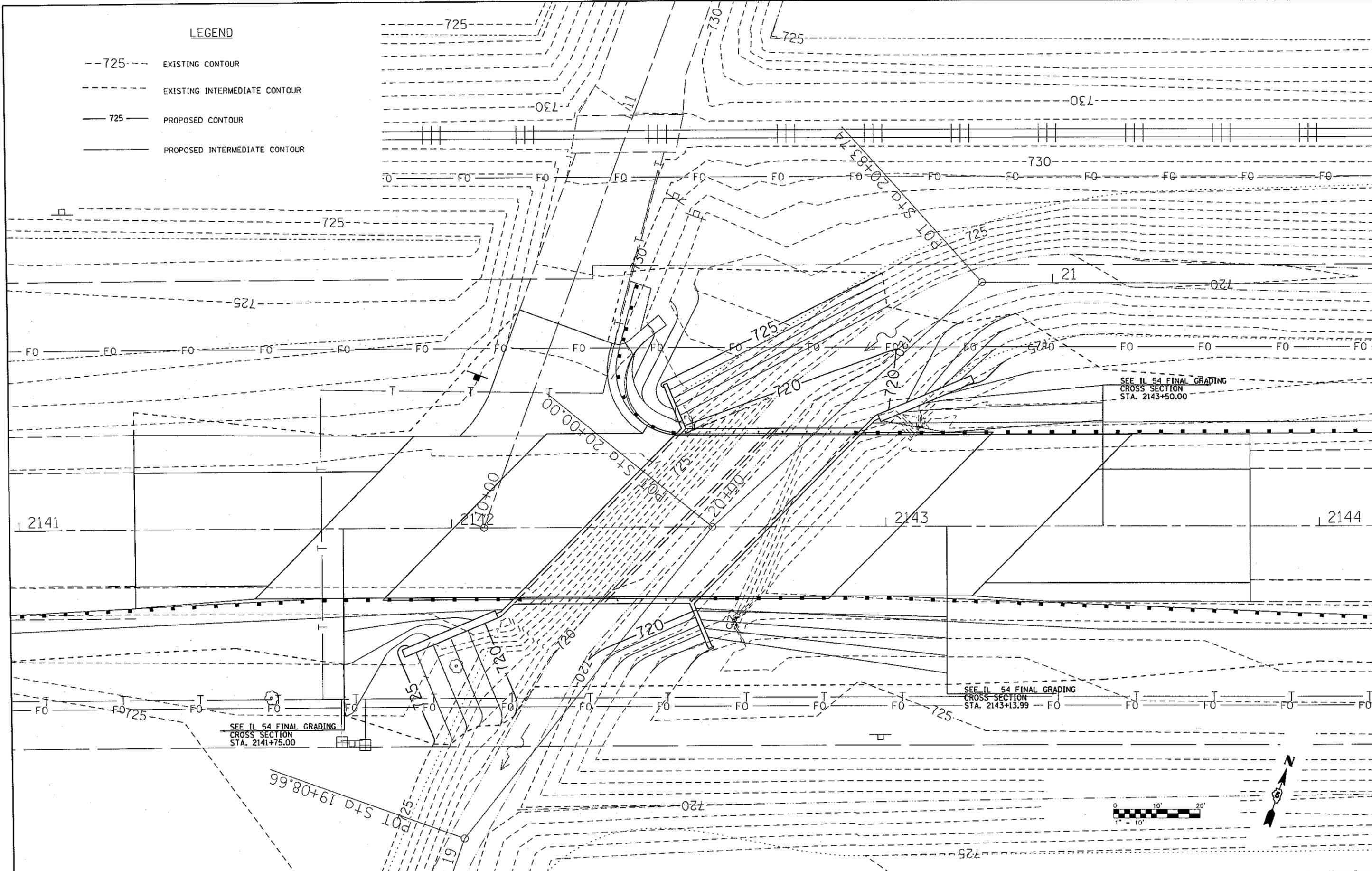
**IL 54 OVER COON CREEK
EROSION CONTROL PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 71	SECTION (15B-118R-1)	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 22
CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	

LEGEND

- 725-- EXISTING CONTOUR
- - - - EXISTING INTERMEDIATE CONTOUR
- 725—— PROPOSED CONTOUR
- PROPOSED INTERMEDIATE CONTOUR



FILE NAME =
D570271-sht-grddetail.dgn

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DATE -

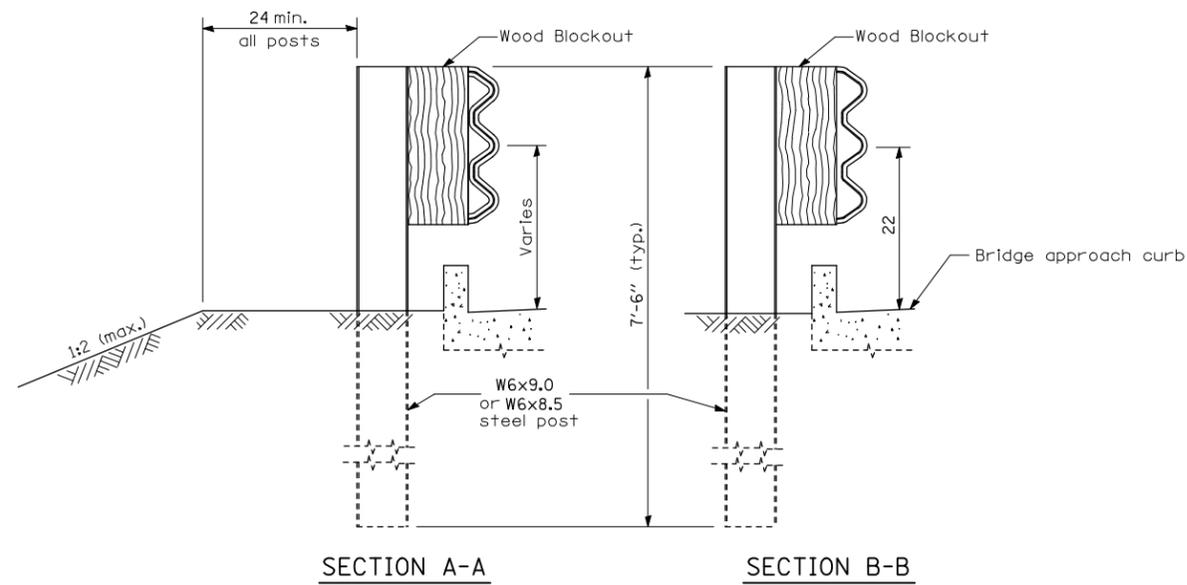
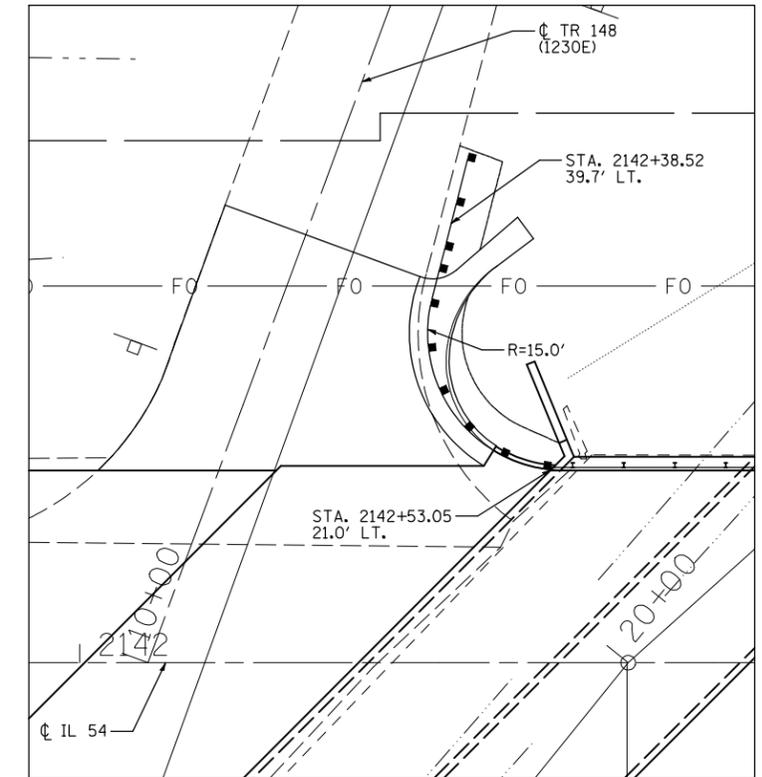
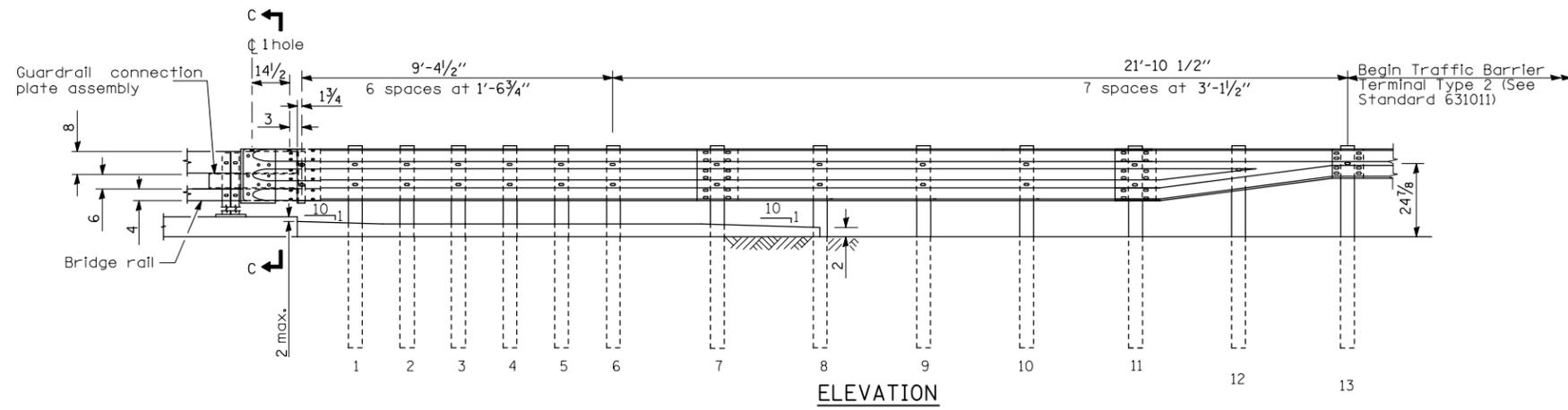
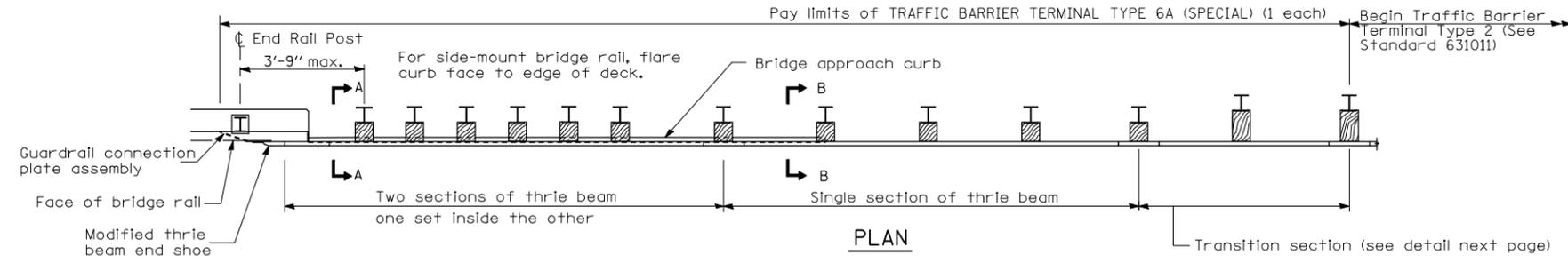
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL 54 OVER COON CREEK
GRADING DETAIL**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1)BR-1	DEWITT	76	23
CONTRACT NO. 70271				
ILLINOIS FED. AID PROJECT				



TERMINAL LOCATION DETAIL
(NOT TO SCALE)

GENERAL NOTES

This standard shows attachment to curb mounted bridge rail. Attachment to side mounted bridge rail is similar.

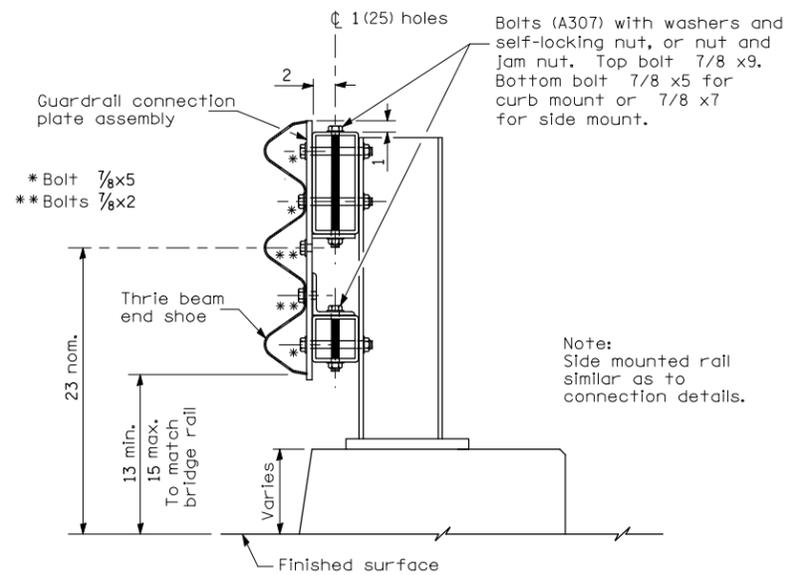
See Standard 630001 for details of guardrail not shown.

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

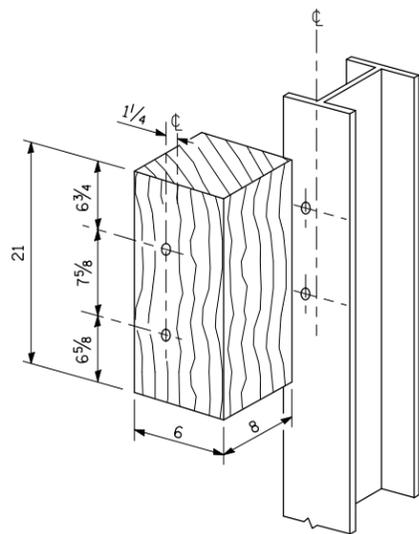
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

The Contractor shall verify all dimensions and modifications in the field prior to ordering materials.

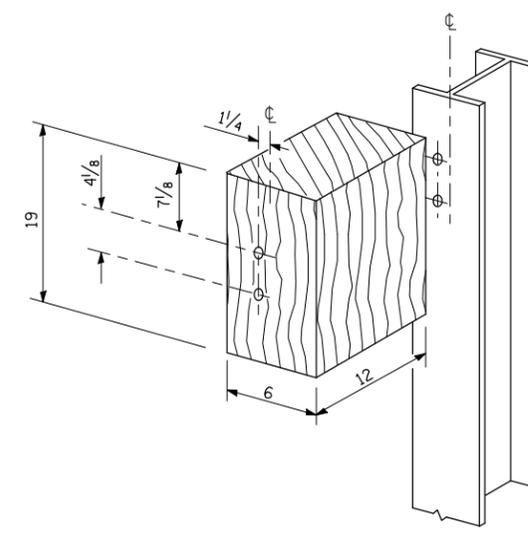
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		DRAWN - WLL	REVISED -			71	(15B-11BR-1)	DEWITT	76	24	
		CHECKED - RJA	REVISED -			CONTRACT NO. 70271					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
PLOT SCALE = 2.0000' / IN.				SCALE:	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.				
PLOT DATE = 12/9/2010		*TIME*									



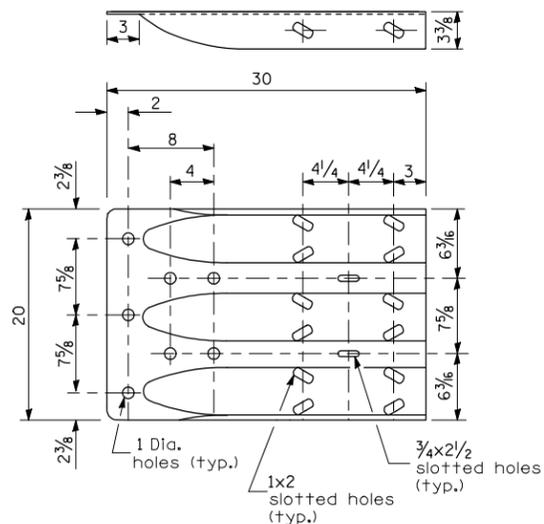
SECTION C-C



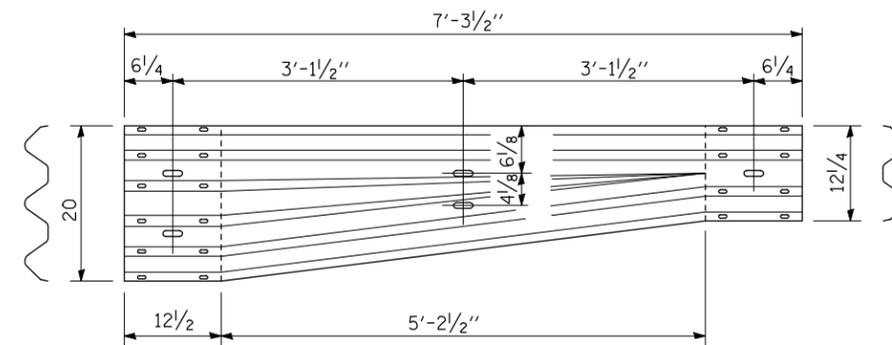
POSTS 1-11 WOOD BLOCKOUT DETAIL



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



MODIFIED THRIE BEAM END SHOE DETAIL



TRANSITION SECTION
(10 gauge rail element)

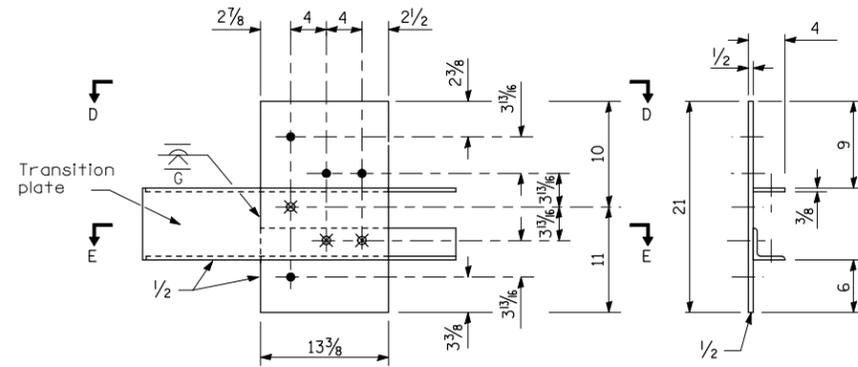
FILE NAME =	USER NAME = bowerml	DESIGNED - JDS	REVISED -
#FILES#		DRAWN - WLL	REVISED -
	PLOT SCALE = 2.0000' / IN.	CHECKED - RJA	REVISED -
	PLOT DATE = 12/9/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 54 OVER COON CREEK
TRAFFIC BARRIER TERMINAL, TYPE 6A (SPECIAL) DETAIL

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1)BR-1	DEWITT	76	25
CONTRACT NO. 70271				
ILLINOIS FED. AID PROJECT				

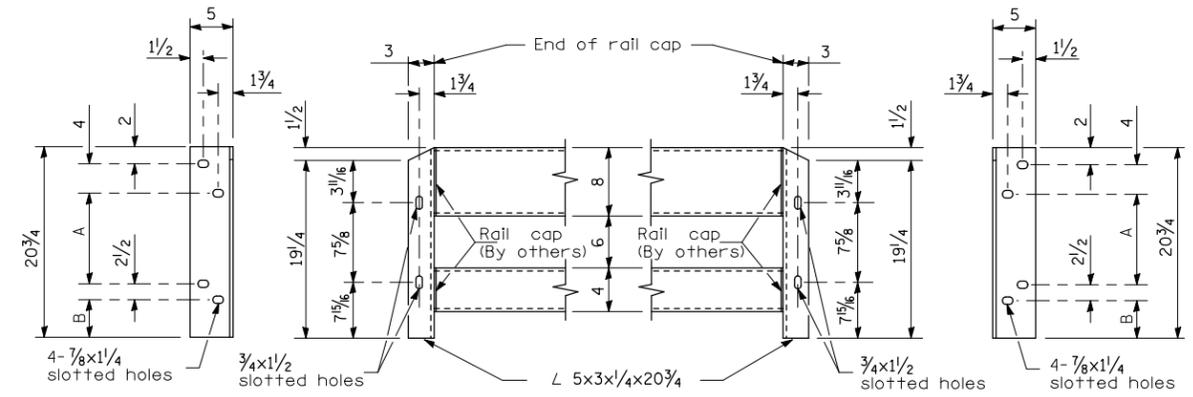
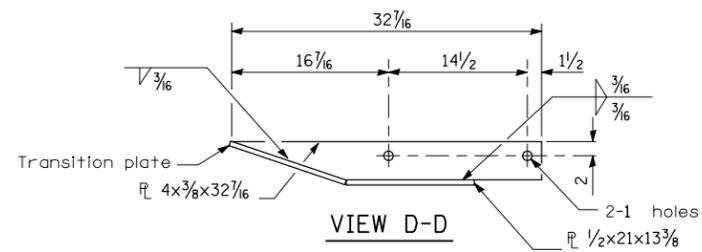


- 4-1 holes for 7/8 H.S. bolts and nuts
- ⊗ Drill and tap 3 holes for 7/8 H.S. bolts.

LEGEND

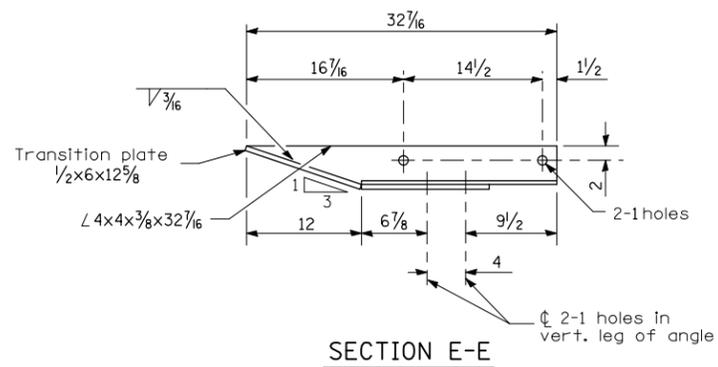
GUARDRAIL CONNECTION PLATE ASSEMBLY DETAILS
(Mirror for opposite end)

Dimensions	A	B
For Curb Mounted Rail	8 3/4	3 1/2
For Side Mounted Rail	9 3/4	2 1/2



CONNECTION ANGLES

(Install angles to rail caps using 5/8 washers and self-locking nuts or nuts and jam nuts, to be provided by others)



Benchmark: BM #8: Chiseled square on the Southwest corner of S.N. 020-2004. 21.82' Rt. at Sta. 2142+11.63, Elev. 729.62.

Existing Structure: S.N. 020-2004 was built in 1938 as F.A. Rte. 161, Section 15B-1, at Sta. 2142+60. In 1982, the original concrete railings and the outer 2' of the top slab were removed and replaced with steel railings. The existing structure is a five barrel 6'-6"x7'-0" R.C. box culvert, 41'-0" face to face of curbs with a culvert length of 61.28' on a 45° skew to the roadway. The existing structure is to be removed and replaced. One lane of traffic shall be maintained using signals and a temporary runaround, see Rdwy. Plans.

No salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS

1. General Plan and Elevation
2. Top of Slab Elevations
- 3-4. Culvert Details
- 5-6. Bridge Approach Slab Details
7. Steel Railing, Type 2399
8. Bar Splicer Assembly Details
9. Soil Borings

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions. Reinforcement bars designated (E) shall be epoxy coated. Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. Precast alternate not allowed. An aluminum tablet of the type shown on Standard 667101 shall be placed on the proposed structure as directed by the Engineer. The bench mark elevation will be established and marked by the Department. This work will be paid for at the contract unit price Each for Permanent Bench Marks.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu. Yd.	193
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	215
Stone Riprap, Class A4	Sq. Yd.	197
Filter Fabric	Sq. Yd.	197
Removal of Existing Structures	Each	1
Removal and Disposal of Unsuitable Material for Structures	Cu. Yd.	547
Floor Drains	Each	4
Concrete Structures	Cu. Yd.	33.2
Concrete Superstructure	Cu. Yd.	113.1
Bridge Deck Grooving	Sq. Yd.	405
Protective Coat	Sq. Yd.	455
Stud Shear Connectors	Each	96
Reinforcement Bars	Pound	27300
Reinforcement Bars, Epoxy Coated	Pound	55210
Bar Splicers	Each	76
Steel Railing, Type 2399	Foot	88
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	195.5
Permanent Steel Sheet Piling	Sq. Ft.	1600
Rock Fill - Foundation	Ton	129
Permanent Bench Marks	Each	1

STATION 2142+53
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. RTE. 71 SEC. (15B-1)BR-1
LOADING HS20
STRUCTURE NO. 020-2014

NAME PLATE
See Std. 515001

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES

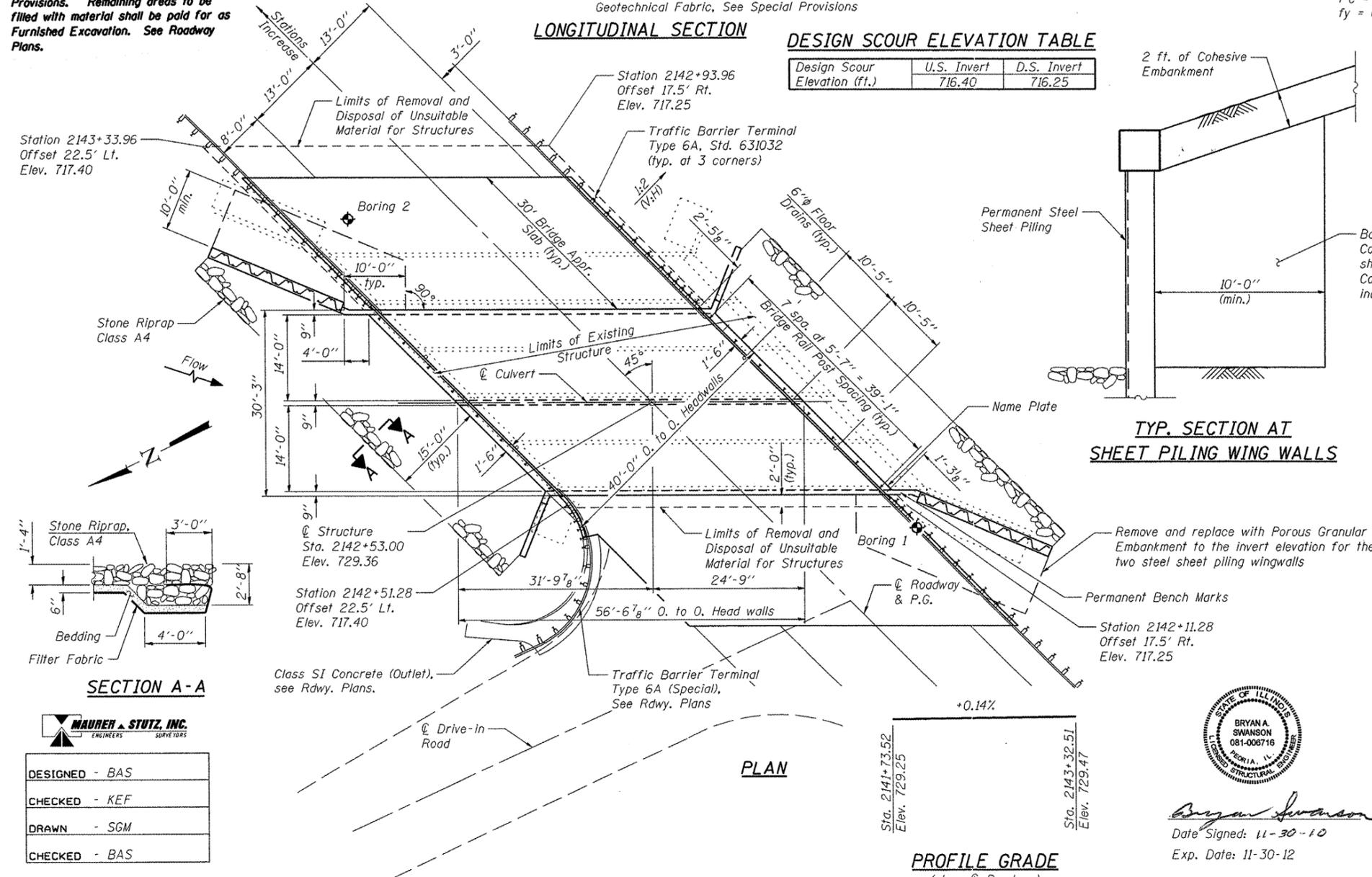
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

The limits of Removal and Disposal of Unsuitable Material for Structures are shown in the Plan view. For limit of Rock Fill- Foundation, see Special Provisions. Remaining areas to be filled with material shall be paid for as Furnished Excavation. See Roadway Plans.

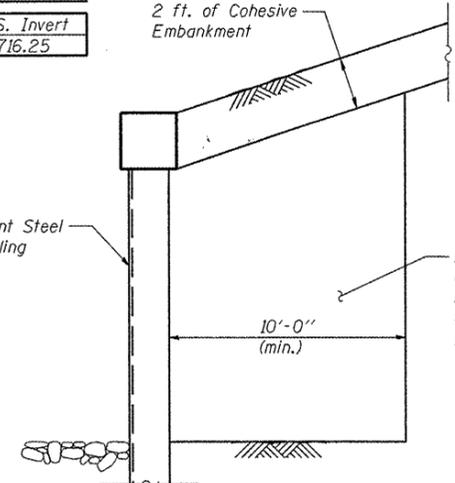
LONGITUDINAL SECTION

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	U.S. Invert	D.S. Invert
	716.40	716.25



TYP. SECTION AT SHEET PILING WING WALLS



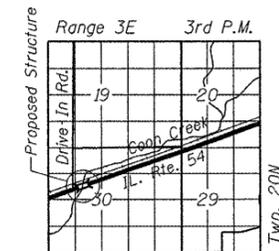
WATERWAY INFORMATION

Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	567	135	165	725.3	0.5	0.5	725.8	725.8
Base	50	914	164	185	726.0	0.8	0.8	726.8	726.8
Overtopping	100	1068	167	191	726.2	0.9	0.9	727.1	727.1
Max. Calc.	500	1442	177	211	727.0	1.0	1.0	728.0	728.0

10 Year Velocity Through Exist. Bridge = 3.53 fps
10 Year Velocity Through Prop. Bridge = 3.23 fps

APPROVED
For Structural Adequacy Only

[Signature]
Engineer of Bridges & Structures

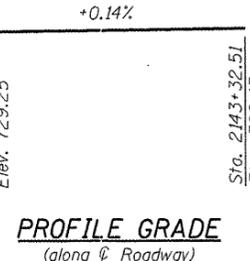


LOCATION SKETCH

GENERAL PLAN AND ELEVATION
IL 54 OVER COON CREEK
F.A.P. RTE. 71 SEC. (15B-1)BR-1
DEWITT COUNTY
STATION 2142+53
STRUCTURE NO. 020-2014

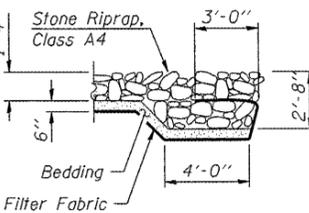


[Signature]
Date Signed: 11-30-10
Exp. Date: 11-30-12



PROFILE GRADE
(along ϕ Roadway)

SECTION A-A



DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

SHEET NO. 1	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9 SHEETS	71	(15B-1)BR-1	DEWITT	76	27
CONTRACT NO. 70271					
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH FACE OF CURB

Location	Station	Offset	Theoretical Grade Elevations
End of West Appr. Slab	2142+22.61	-21.00	728.94
A	2142+32.61	-21.00	728.96
B	2142+42.61	-21.00	728.97
Back of West Culvert Wall	2142+52.61	-21.00	728.99
CL of Culvert	2142+74.00	-21.00	729.02
Back of East Culvert Wall	2142+95.39	-21.00	729.05
C	2143+05.39	-21.00	729.06
D	2143+15.39	-21.00	729.07
End of East Appr. Slab	2143+25.39	-21.00	729.09

NORTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End of West Appr. Slab	2142+13.61	-12.00	729.12
A	2142+23.61	-12.00	729.13
B	2142+33.61	-12.00	729.15
Back of West Culvert Wall	2142+43.61	-12.00	729.16
CL of Culvert	2142+65.00	-12.00	729.19
Back of East Culvert Wall	2142+86.39	-12.00	729.22
C	2142+96.39	-12.00	729.23
D	2143+06.39	-12.00	729.25
End of East Appr. Slab	2143+16.39	-12.00	729.26

☉ ROADWAY & P.G.

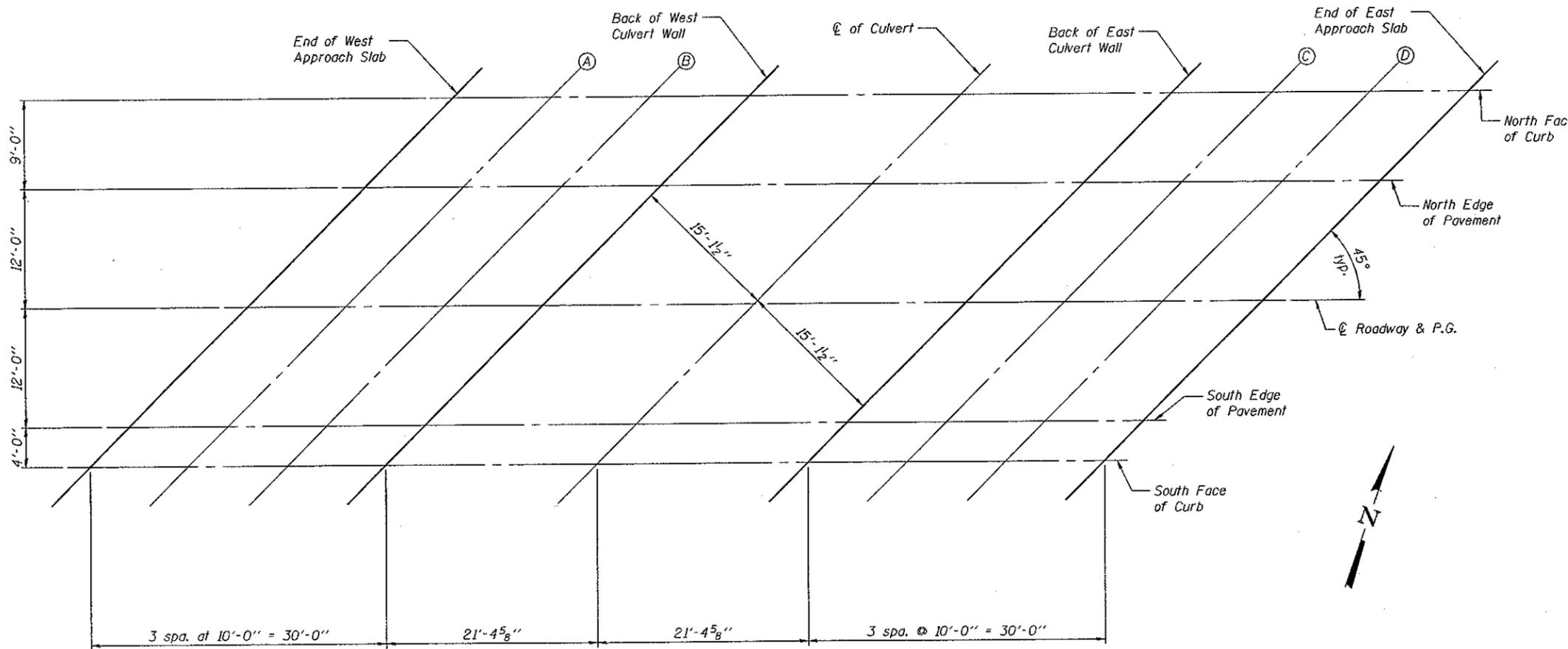
Location	Station	Offset	Theoretical Grade Elevations
End of West Appr. Slab	2142+01.61	0.00	729.29
A	2142+11.61	0.00	729.30
B	2142+21.61	0.00	729.32
Back of West Culvert Wall	2142+31.61	0.00	729.33
CL of Culvert	2142+53.00	0.00	729.36
Back of East Culvert Wall	2142+74.39	0.00	729.39
C	2142+84.39	0.00	729.41
D	2142+94.39	0.00	729.42
End of East Appr. Slab	2143+04.39	0.00	729.43

SOUTH EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
End of West Appr. Slab	2141+89.61	12.00	729.08
A	2141+99.61	12.00	729.10
B	2142+09.61	12.00	729.11
Back of West Culvert Wall	2142+19.61	12.00	729.13
CL of Culvert	2142+41.00	12.00	729.16
Back of East Culvert Wall	2142+62.39	12.00	729.19
C	2142+72.39	12.00	729.20
D	2142+82.39	12.00	729.21
End of East Appr. Slab	2142+92.39	12.00	729.23

SOUTH FACE OF CURB

Location	Station	Offset	Theoretical Grade Elevations
End of West Appr. Slab	2141+85.61	16.00	729.00
A	2141+95.61	16.00	729.01
B	2142+05.61	16.00	729.02
Back of West Culvert Wall	2142+15.61	16.00	729.04
CL of Culvert	2142+37.00	16.00	729.07
Back of East Culvert Wall	2142+58.39	16.00	729.10
C	2142+68.39	16.00	729.11
D	2142+78.39	16.00	729.13
End of East Appr. Slab	2142+88.39	16.00	729.14



PLAN

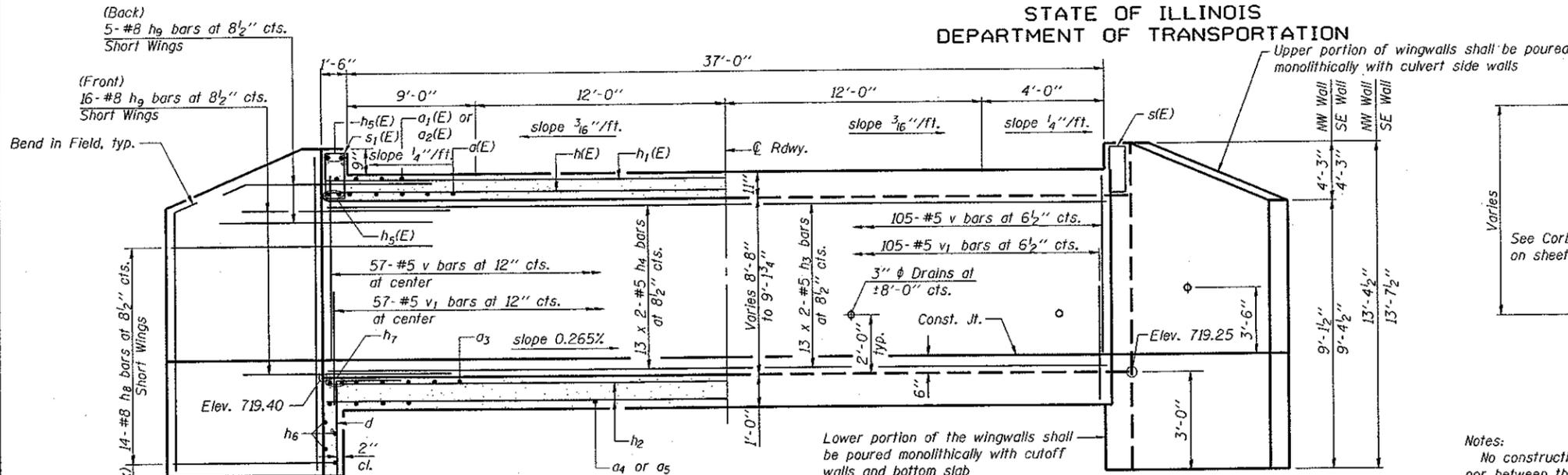


DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 020-2014**

SHEET NO. 2	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	71	(15B-1)BR-1	DEWITT	76	28
9 SHEETS	CONTRACT NO. 70271				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

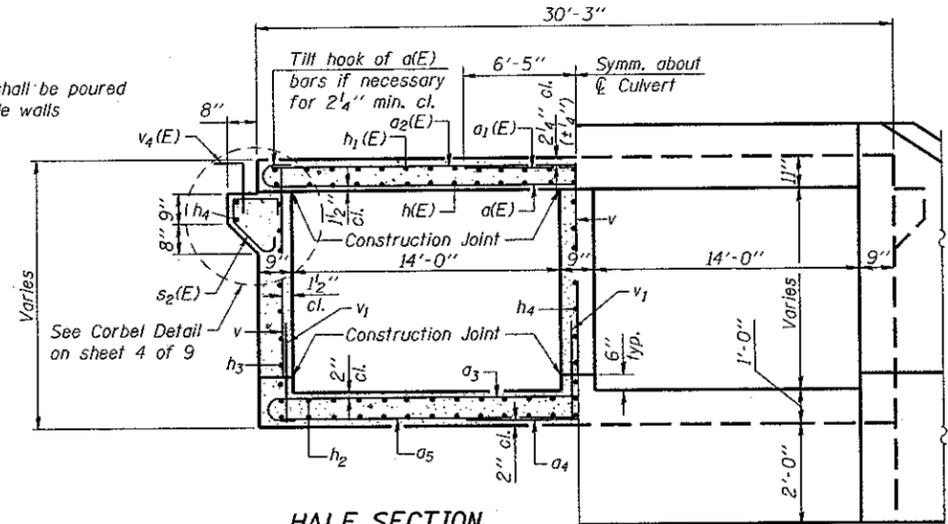


HALF LONG SECTION
Showing bars in Center Wall

HALF ELEVATION
Showing bars in Outside Wall

Dimensions are at right angles to C.R. Roadway

Notes:
No construction joint shall be permitted in the culvert bottom slab, nor between the horizontal cantilever wingwalls and the culvert bottom slab or side walls.
Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
For headwall details, Section B-B. and long wing details, see sheet 4 of 9.

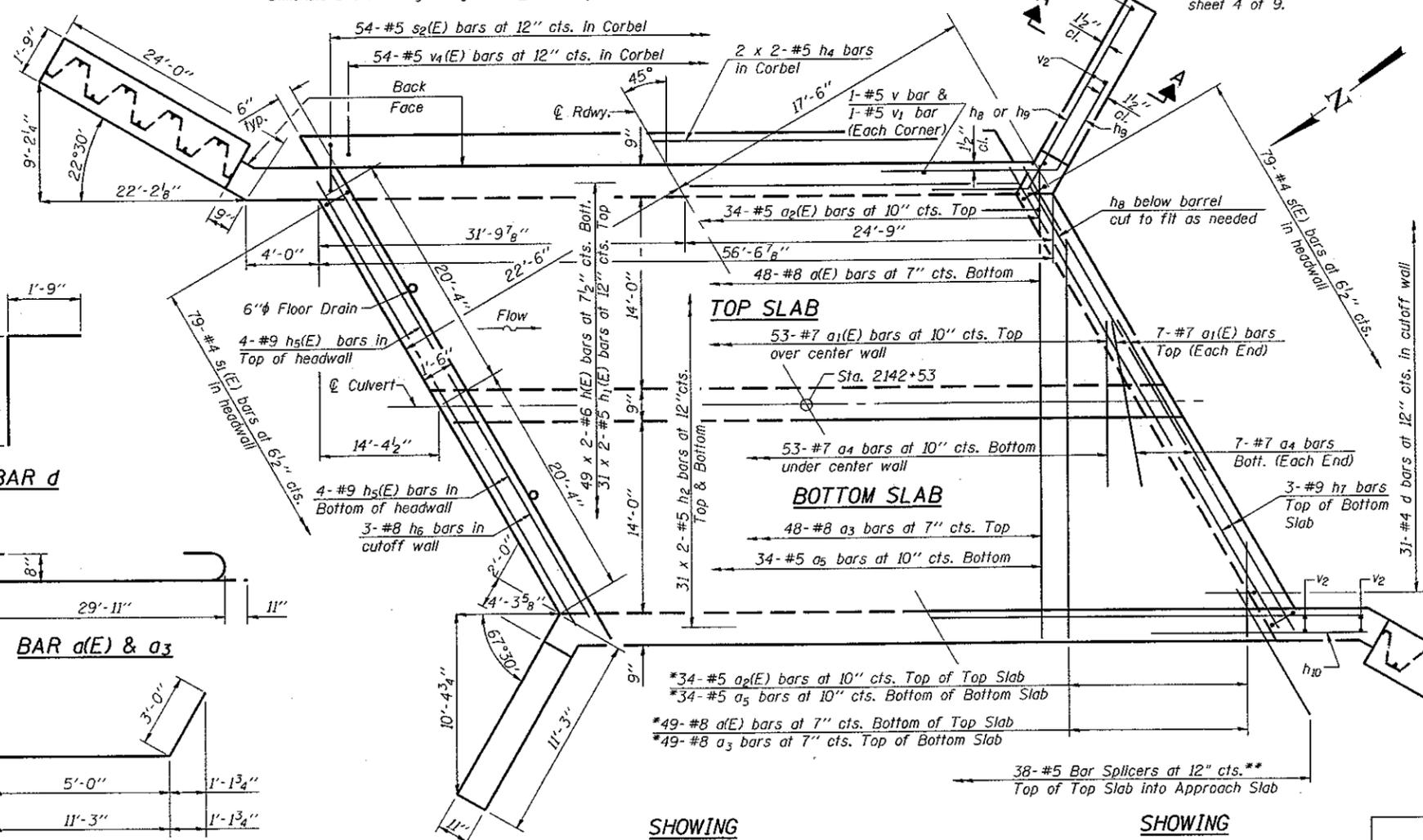


HALF SECTION THRU BARREL

HALF END ELEVATION

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	97	#8	31'-9"	U
a1(E)	67	#7	12'-10"	U
a2(E)	68	#5	29'-11"	U
a3	97	#8	31'-9"	U
a4	67	#7	12'-10"	U
a5	68	#5	29'-11"	U
d	62	#4	4'-6"	L
h(E)	98	#6	29'-5"	U
h1(E)	62	#5	29'-3"	U
h2	124	#5	29'-3"	U
h3	52	#5	31'-3"	U
h4	34	#5	29'-3"	U
h5(E)	16	#9	42'-4"	U
h6	6	#8	41'-5"	U
h7	6	#9	42'-4"	U
h8	28	#8	14'-3"	U
h9	42	#8	8'-0"	U
h10	30	#4	9'-0"	U
h11	6	#4	7'-0"	U
h12	14	#6	23'-4"	U
s(E)	79	#4	6'-1"	U
s1(E)	79	#4	5'-11"	U
s2(E)	108	#5	4'-3"	U
s3	76	#5	5'-0"	U
v	285	#5	8'-10"	U
v1	285	#5	2'-11"	U
v2	16	#4	13'-1"	U
v3	14	#6	13'-1"	U
v4(E)	108	#5	3'-9"	L
Concrete Box Culverts		Cu. Yd.	195.5	
Reinforcement Bars		Pound	27300	
Reinforcement Bars, Epoxy Coated		Pound	22160	
Permanent Steel Sheet Piling		Sq. Ft.	1600	
Stud Shear Connectors		Each	96	



SHOWING OUTLINES

SHOWING REINFORCEMENT

PLAN

BAR v4(E)

MINIMUM BAR LAP

#5 bar = 2'-0"
#6 bar = 2'-5"

SECTION A-A

BAR d

BAR a(E) & a3

BAR h8 & h9



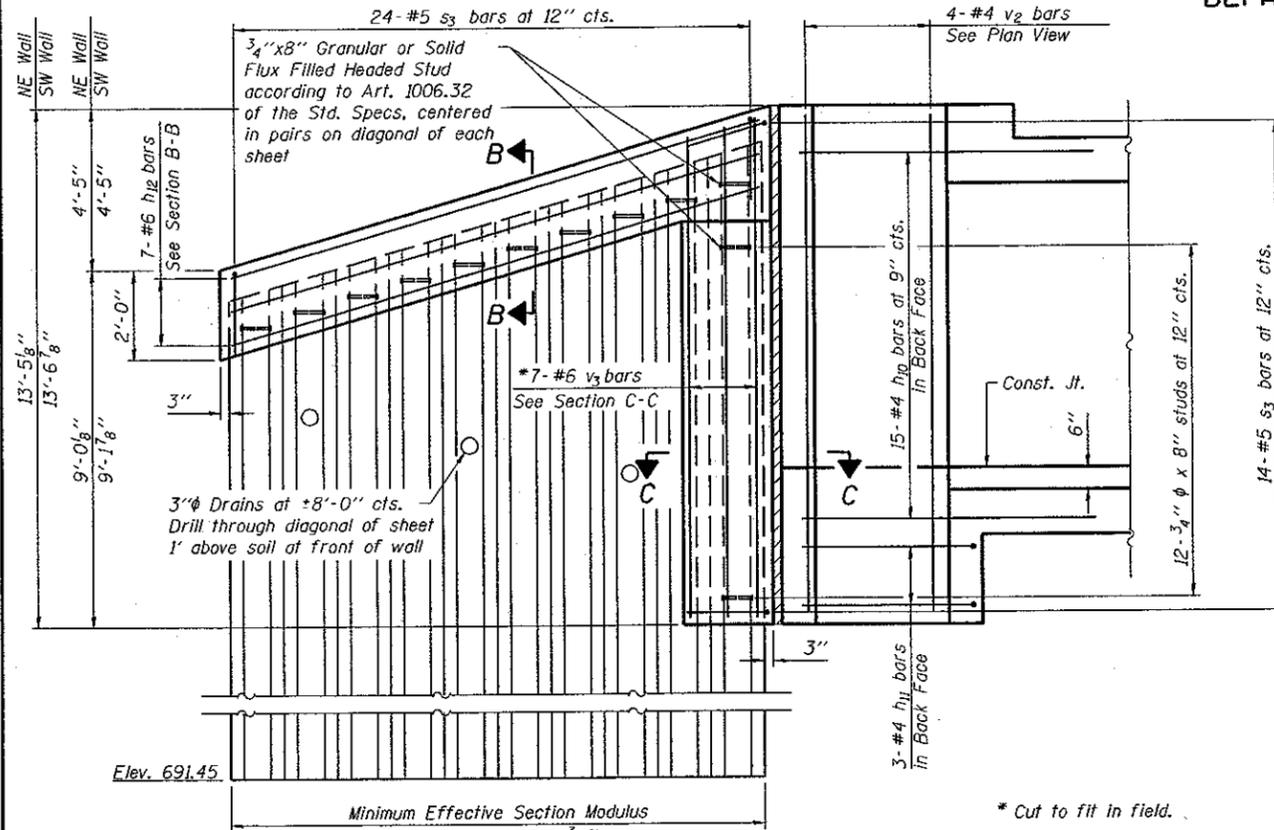
DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

* Cut a(E), a2(E), a3, and a5 bars to fit skew. Use balance of bar in opposite end.
** Spacing measured perpendicular to C.R. Roadway.

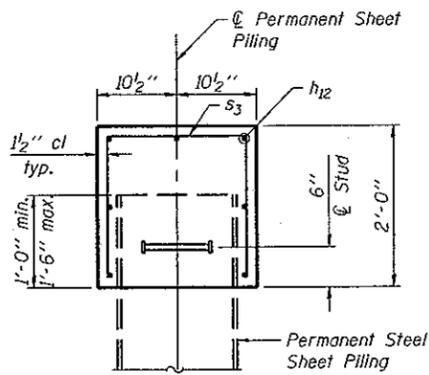
CULVERT DETAILS
STRUCTURE NO. 020-2014

SHEET NO. 3 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	71	(15B-1)BR-1	DEWITT	76	29
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT		
CONTRACT NO. 70271					

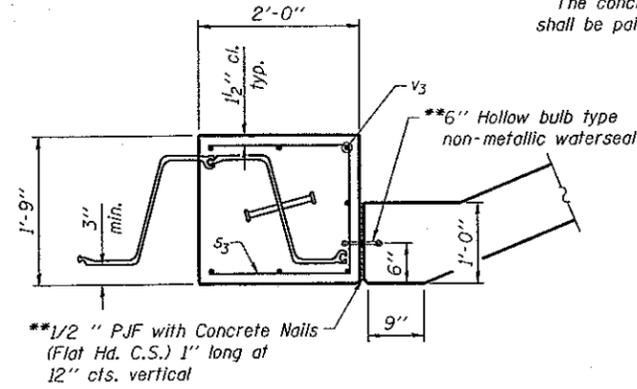
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SHEET PILING WINGWALL DETAIL

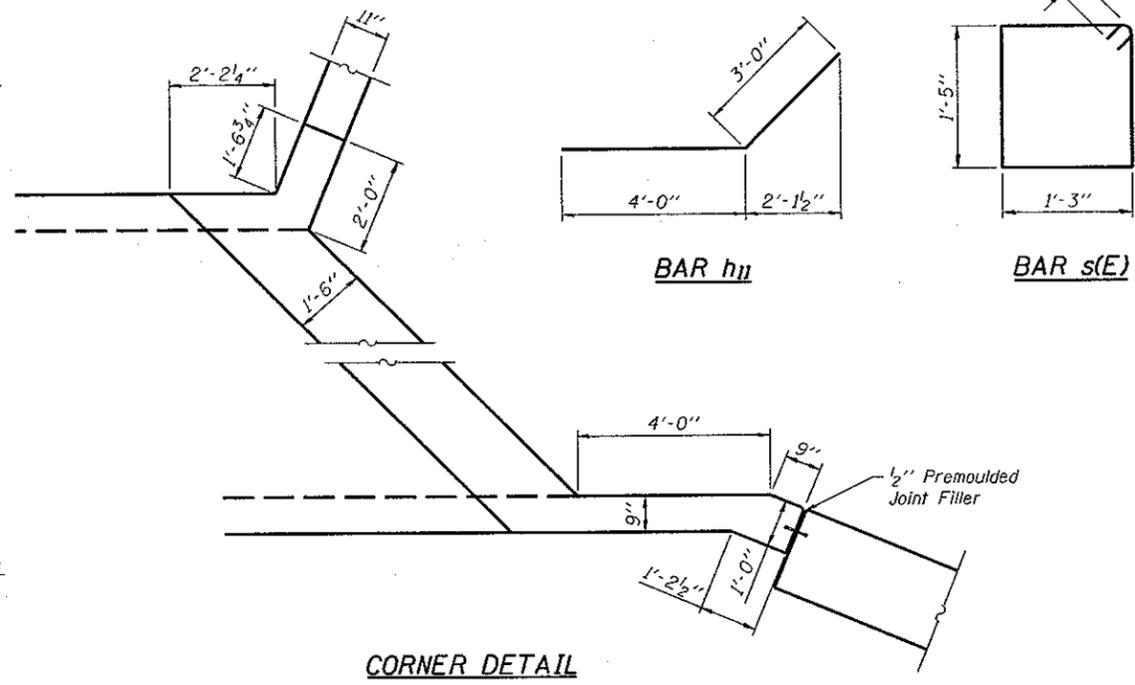


SECTION B-B

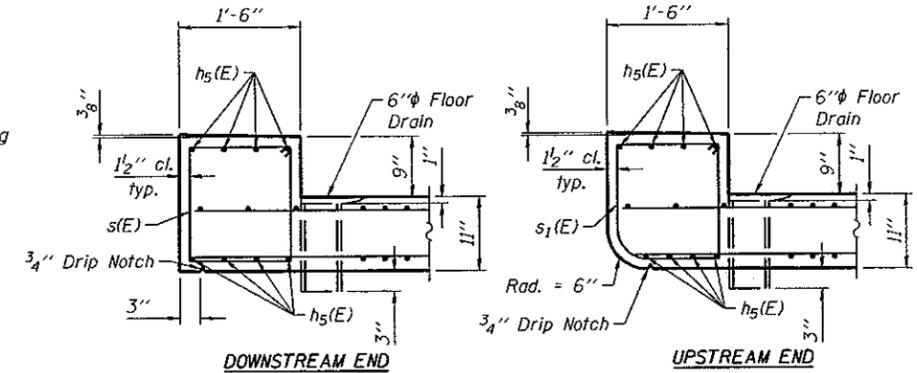


SECTION C-C

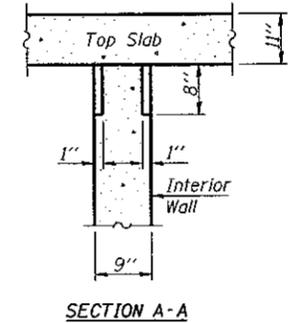
* Cut to fit in field.
** Cost included with Concrete Box Culverts.
Note:
The concrete cap for the steel sheet piling shall be paid for as Concrete Box Culverts.



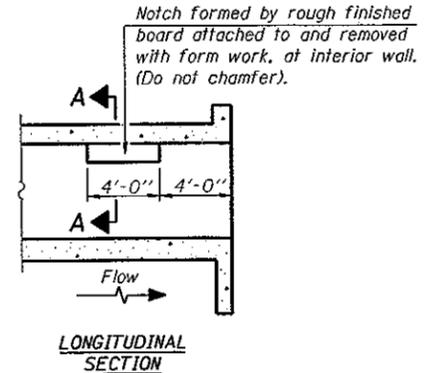
CORNER DETAIL



SECTION THRU HEADWALL

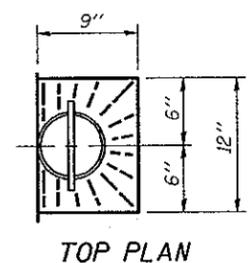


SECTION A-A

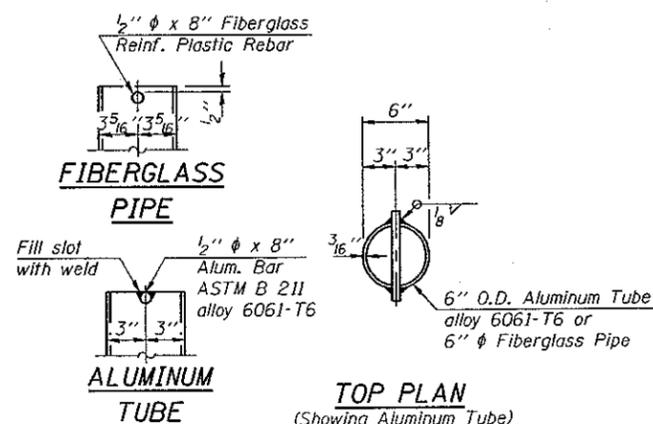


LONGITUDINAL SECTION

PHOEBE NESTING SITE DETAILS (Downstream End Only)



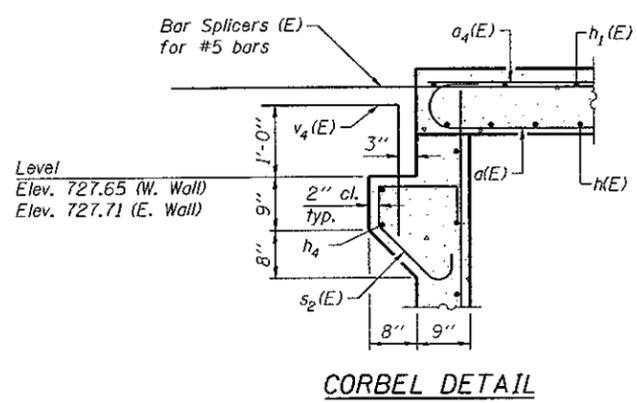
TOP PLAN



FIBERGLASS PIPE

ALUMINUM TUBE

TOP PLAN (Showing Aluminum Tube)



CORBEL DETAIL



DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

Level
Elev. 727.65 (W. Wall)
Elev. 727.71 (E. Wall)

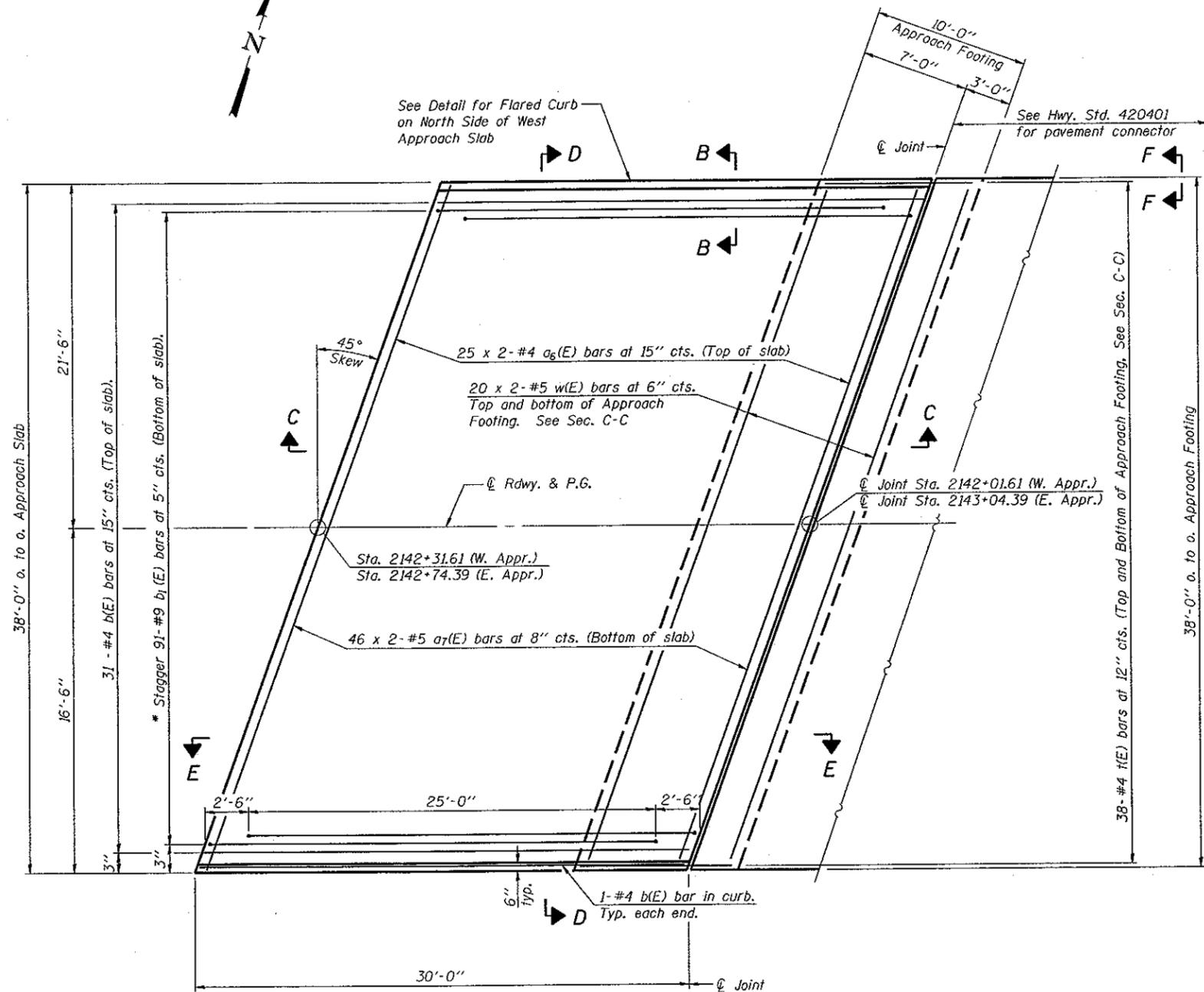
CULVERT DETAILS STRUCTURE NO. 020-2014

SHEET NO. 4 9 SHEETS	F.A.P. RTE. 71	SECTION (15B-1)BR-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 30
	CONTRACT NO. 70271				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:
See sheet 6 of 9 for Sections C-C & D-D and View E-E.
 $a_6(E)$, $a_7(E)$, and $a_8(E)$ bar spacings measured along C.R.
Bars indicated thus 20 x 2-#5 etc. indicates 20 lines of bars
with 2 lengths per line.

** Cost included with Concrete Superstructure.



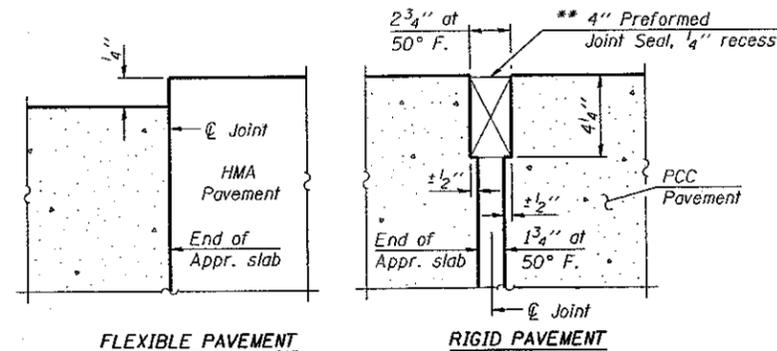
PLAN

East Approach Slab shown, West Approach is similar

*Tilt #9 $b_1(E)$ bars as required to maintain clearance.

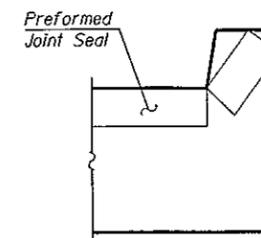
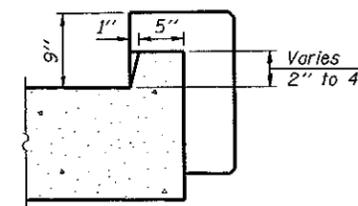
MIN. BAR LAP

#5 bar = 2'-0"
#4 bar = 1'-10"



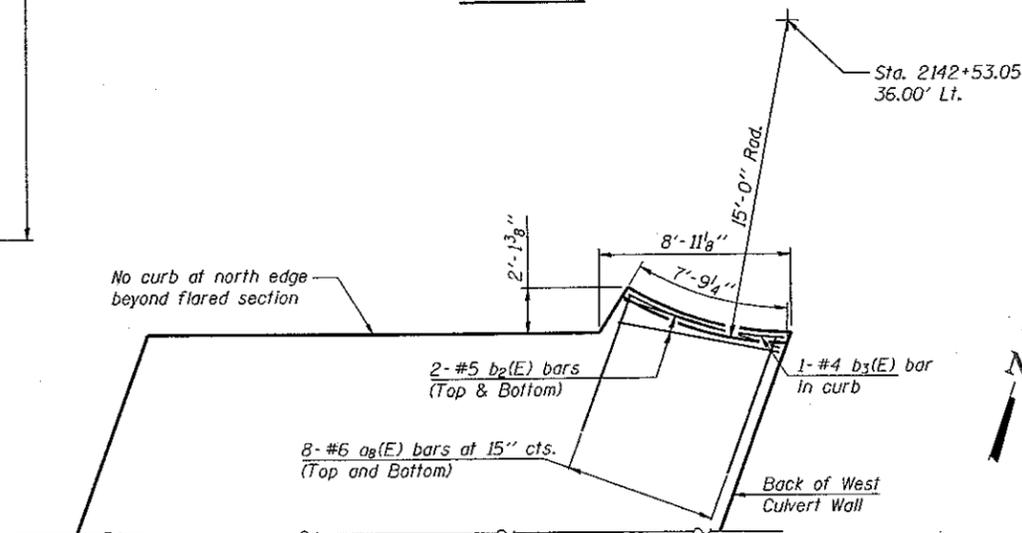
PREFORMED JOINT SEAL

DETAIL A



VIEW F-F

Angle Preformed Joint Seal at 45° at curbs when req'd for drainage.



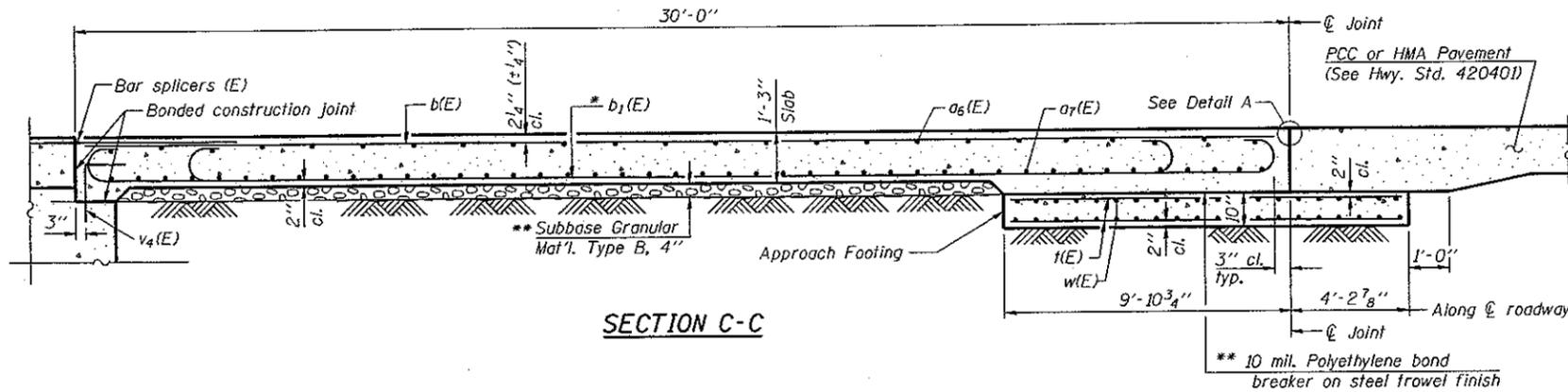
DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

(Sheet 1 of 2)
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 020-2014

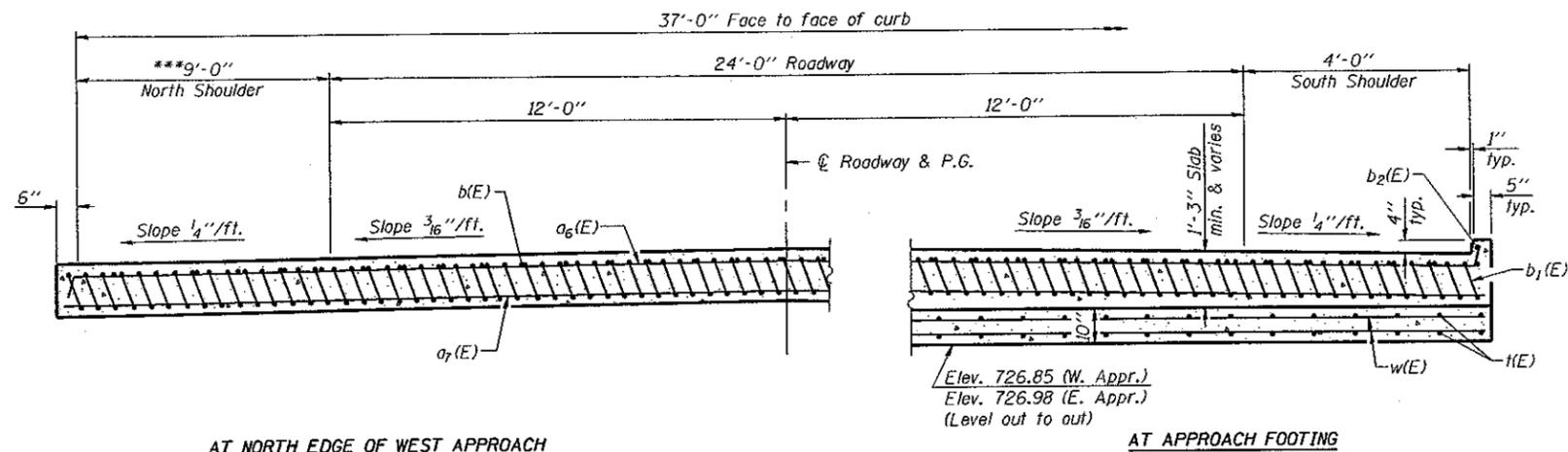
SHEET NO. 5	F.A.P. RTE. 71	SECTION (15B-1)BR-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 31
9 SHEETS	CONTRACT NO. 70271				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Notes:
See sheet 5 of 9 for Detail A.
Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
Approach footing concrete shall be paid for as Concrete Structures.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
For $v_4(E)$ bar details, see sheet 3 of 9.
The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
For bar splicer details, see sheet 8 of 9.
Cost of excavation for approach footing included with Concrete Structures.



SECTION C-C



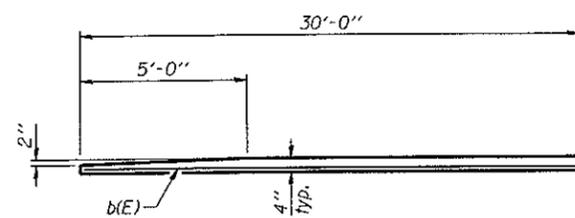
AT NORTH EDGE OF WEST APPROACH
(with no curb)

SECTION D-D
(See Plan for dimensions not shown)
(Looking East)

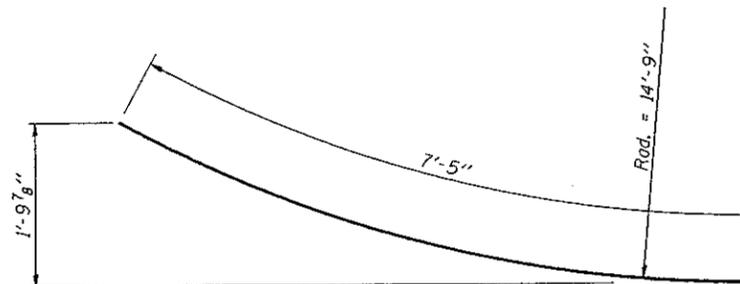
- * Tilt #9 $b_1(E)$ bars as required to maintain clearance.
- ** Cost included with Concrete Superstructure.
- *** Shoulder width varies on west approach slab, see Flored Curb Section detail on sheet 5 of 9.

TWO APPROACHES
BILL OF MATERIAL

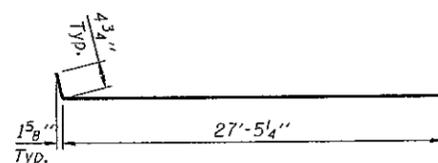
Bar	No.	Size	Length	Shape
$a_6(E)$	100	#4	27'-10"	—
$a_7(E)$	184	#5	27'-8"	—
$a_8(E)$	16	#6	6'-0"	—
$b(E)$	65	#4	29'-8"	—
$b_1(E)$	182	#9	29'-9"	—
$b_2(E)$	4	#5	7'-1"	—
$b_3(E)$	1	#4	7'-5"	—
$k(E)$	152	#4	13'-8"	—
$w(E)$	160	#5	27'-8"	—
Concrete Superstructure		Cu. Yd.	113.1	
Concrete Structures		Cu. Yd.	33.2	
Reinforcement Bars, Epoxy Coated		Pound	33050	



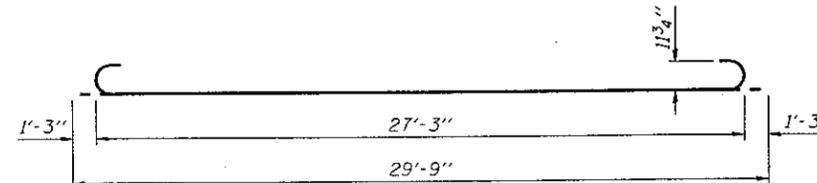
VIEW E-E



BAR $b_3(E)$



BAR $a_6(E)$



BAR $b_1(E)$



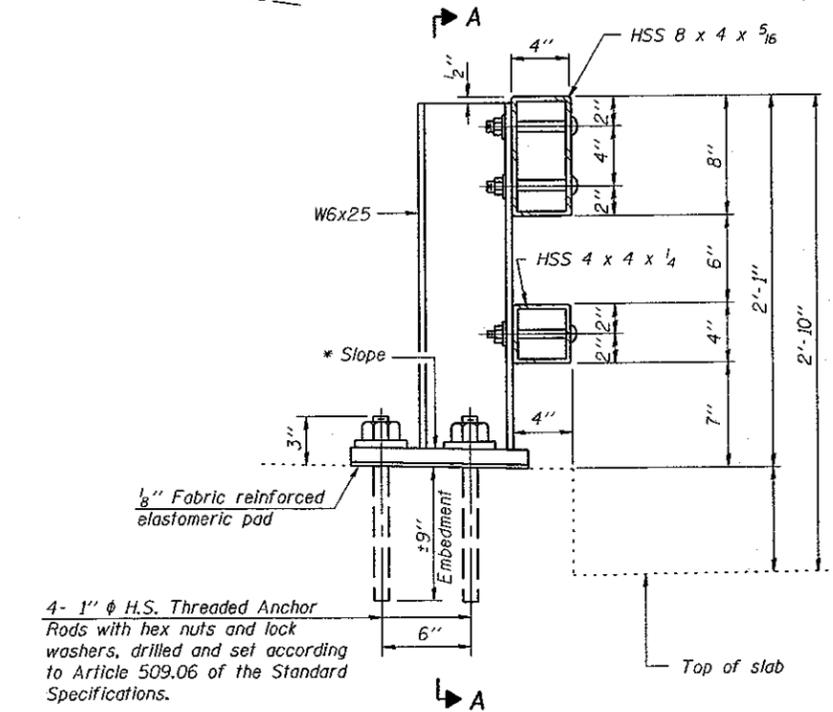
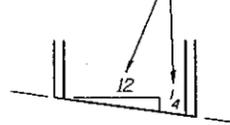
DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

(Sheet 2 of 2)
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 020-2014

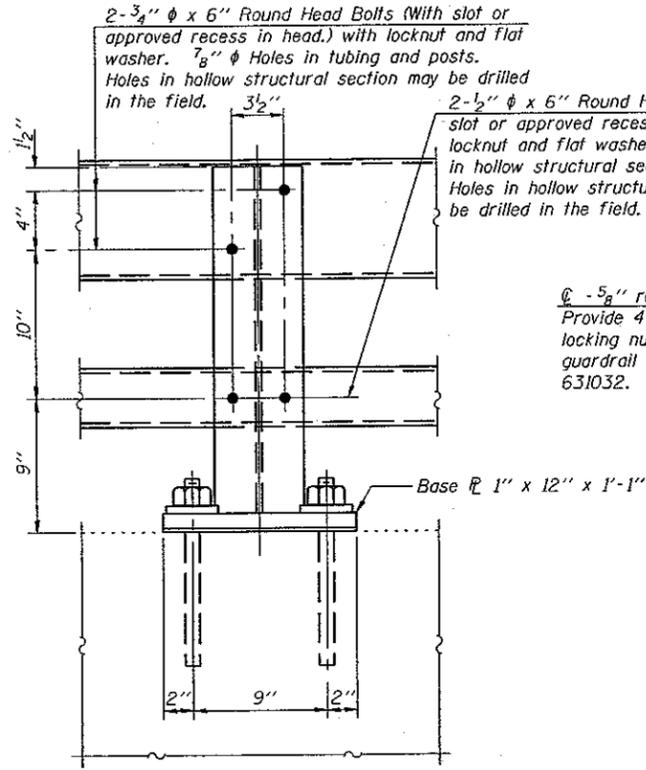
SHEET NO. 6	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	71	(15B-1)BR-1	DEWITT	76	32
9 SHEETS	CONTRACT NO. 70271				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

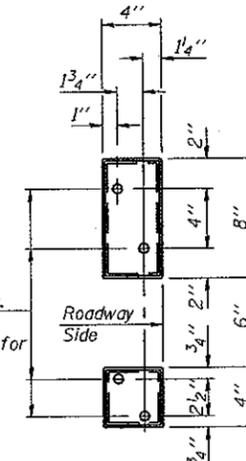
* Cut bottom end of post to curb slope.



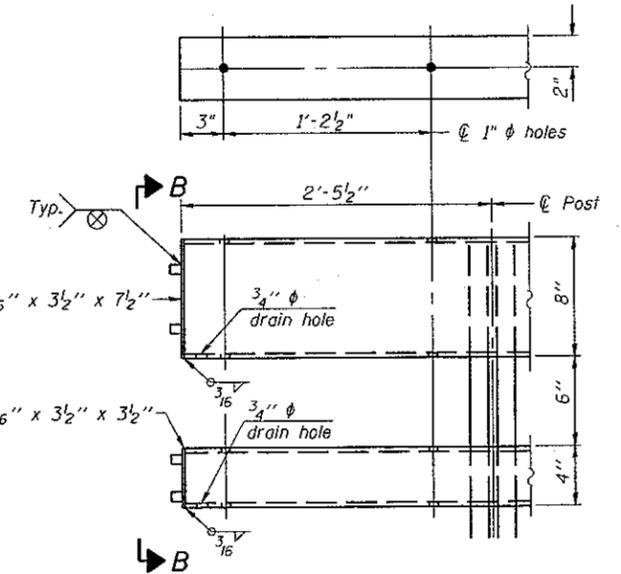
SECTION AT RAIL POST



SECTION A-A



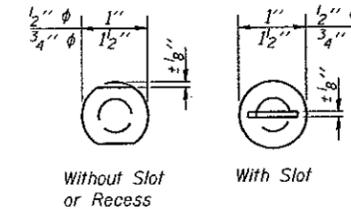
VIEW B-B



END OF RAIL DETAILS

4- 1" ϕ H.S. Threaded Anchor Rods with hex nuts and lock washers, drilled and set according to Article 509.06 of the Standard Specifications.

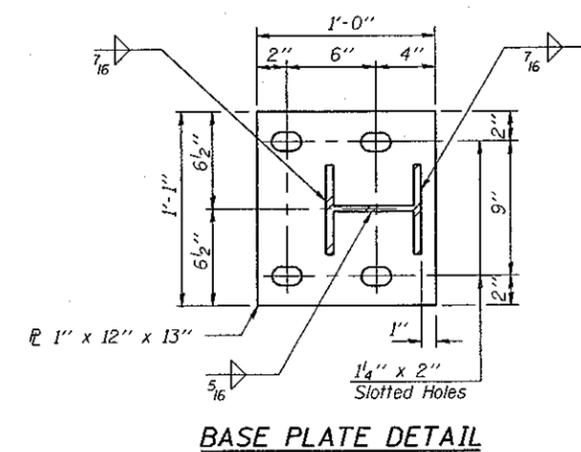
4- 5/8" reduced base welded studs. Provide 4- 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032.



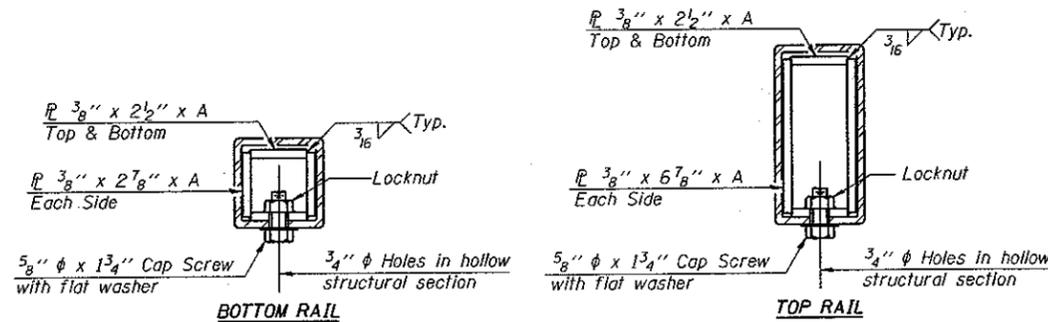
VIEW C-C

Notes:

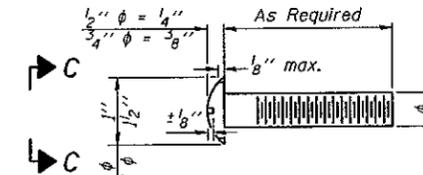
- All field drilled holes shall be coated with an approved zinc rich paint before erection.
- Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.
- Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.
- Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
- All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



BASE PLATE DETAIL



SECTIONS AT RAIL SPLICE



DETAIL OF 1/2" ϕ & 3/4" ϕ ROUND HEAD BOLTS

SPLICE DIMENSIONS

T	D	A	B	C	E
$\leq 4"$	2 1/2"	1'-8"	2"	4"	2 1/2"
$> 4" \leq 6 1/2"$	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
$> 6 1/2" \leq 9"$	5"	2'-4"	3 1/2"	6 1/2"	9"
$> 9" \leq 13"$	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1 1/4"	1'-8"	2"	4"	—

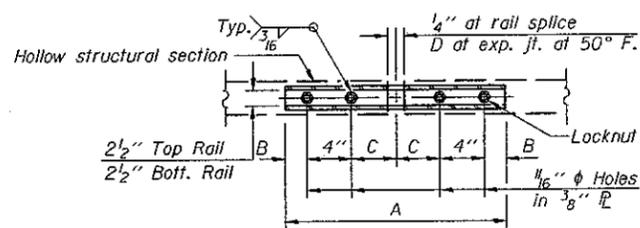
T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

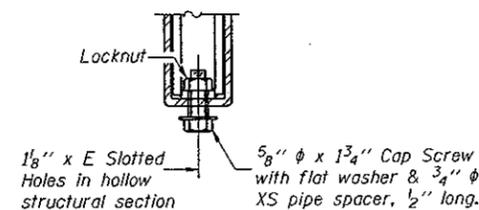
Item	Unit	Quantity
Steel Railing, Type 2399	Foot	88



DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS



PLAN-BOTT. SPLICE TYPICAL



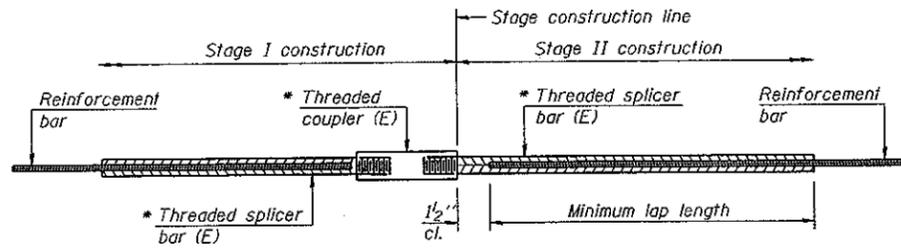
RAIL SPLICE CONNECTION AT EXPANSION JT.

(6'-3" Maximum Post Spacing)

STEEL RAILING, TYPE 2399
STRUCTURE NO. 020-2014

SHEET NO. 7 9 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	71	(15B-1)BR-1	DEWITT	76	33
			CONTRACT NO. 70271		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STANDARD BAR SPLICER ASSEMBLY

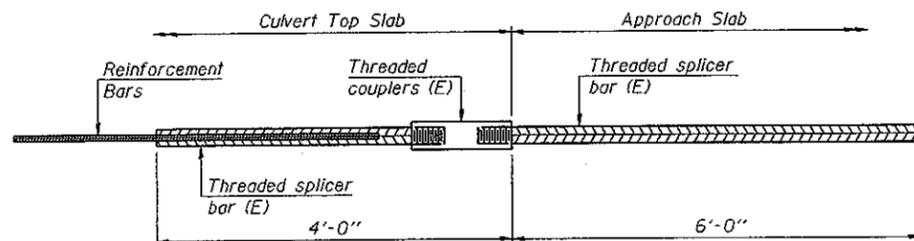
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

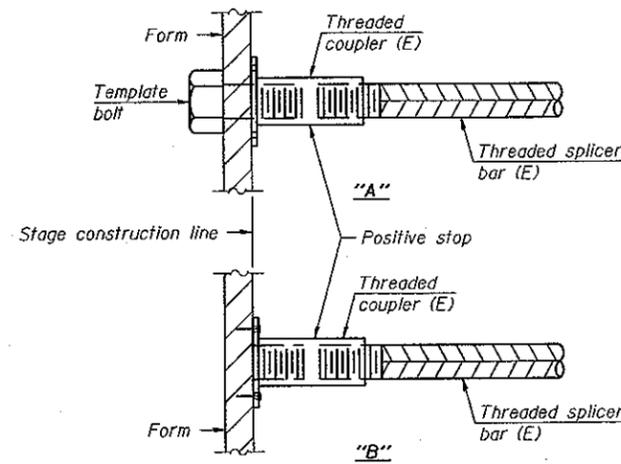
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length



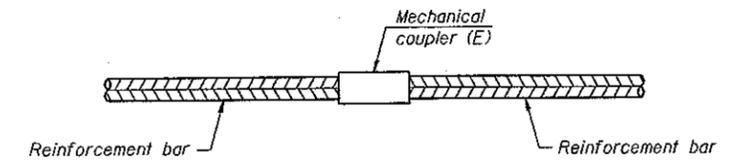
BAR SPLICER ASSEMBLY FOR #5 BAR ON
INTEGRAL OR SEMI-INTEGRAL ABUTMENTS
(BETWEEN CULVERT & APPROACH SLAB)

No. required = 76



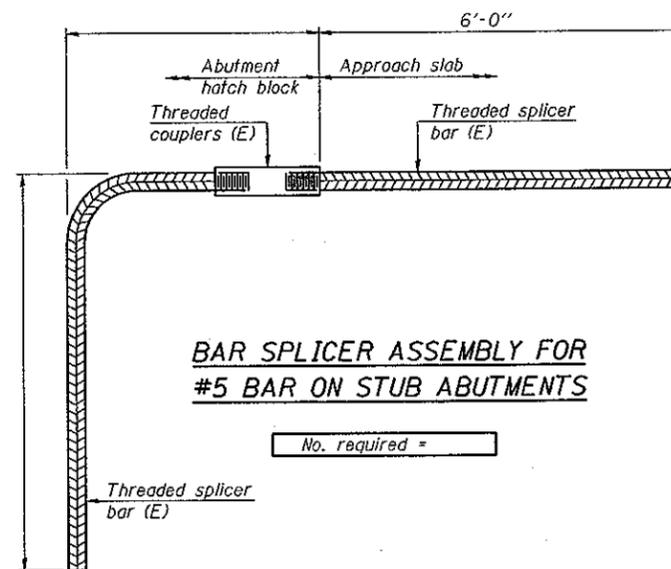
INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR
#5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See special provision for Mechanical Splicers.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BAR SPLICER ASSEMBLY AND
MECHANICAL SPLICER DETAILS
STRUCTURE NO. 020-2014



DESIGNED - BAS
CHECKED - KEF
DRAWN - SGM
CHECKED - BAS

SHEET NO. 8	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	71	(15B-1)BR-1	DEWITT	76	34
9 SHEETS	CONTRACT NO. 70271				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 1
Date 4/30/07

ROUTE FAP 71 (IL 54) DESCRIPTION IL 54 over Coon Creek 2 Miles East of Clinton LOGGED BY CNA

SECTION (15B-1) BR-1 LOCATION NW, SEC. 30, TWP. 20N, R10E, SE, 3rd PM

COUNTY De Witt DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 020-2014 Proposed
Station 2142+53 P.C.

BORING NO. 1 SW Boring
Station 2142+53
Offset 16.0 ft RL
Ground Surface Elev. 729.3 ft

DEPTH (ft)	SOIL DESCRIPTION	SPT (Blows)				REMARKS
		(6")	(12")	(18")	(30")	
0	Brown/Gray Mottled Silty Clay (Fill)					Gray Sand Loam Till with Intermittent Sand Seams (continued)
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
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50						

As assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 187 (Rev. 8-99)

SOIL BORING LOG

Page 1 of 1
Date 4/30/07

ROUTE FAP 71 (IL 54) DESCRIPTION IL 54 over Coon Creek 2 Miles East of Clinton LOGGED BY CNA

SECTION (15B-1) BR-1 LOCATION NW, SEC. 30, TWP. 20N, R10E, SE, 3rd PM

COUNTY De Witt DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 020-2014 Proposed
Station 2142+53 P.C.

BORING NO. 2 NE Boring
Station 2143+09
Offset 14.0 ft RL
Ground Surface Elev. 729.4 ft

DEPTH (ft)	SOIL DESCRIPTION	SPT (Blows)				REMARKS
		(6")	(12")	(18")	(30")	
0	Black Silty Clay (Fill)					Gray Sandy Clay Loam Till to Clay Loam Till (continued)
1						Gray Sand Loam Till
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
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As assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N Value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

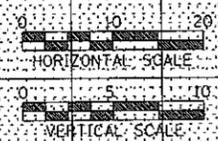
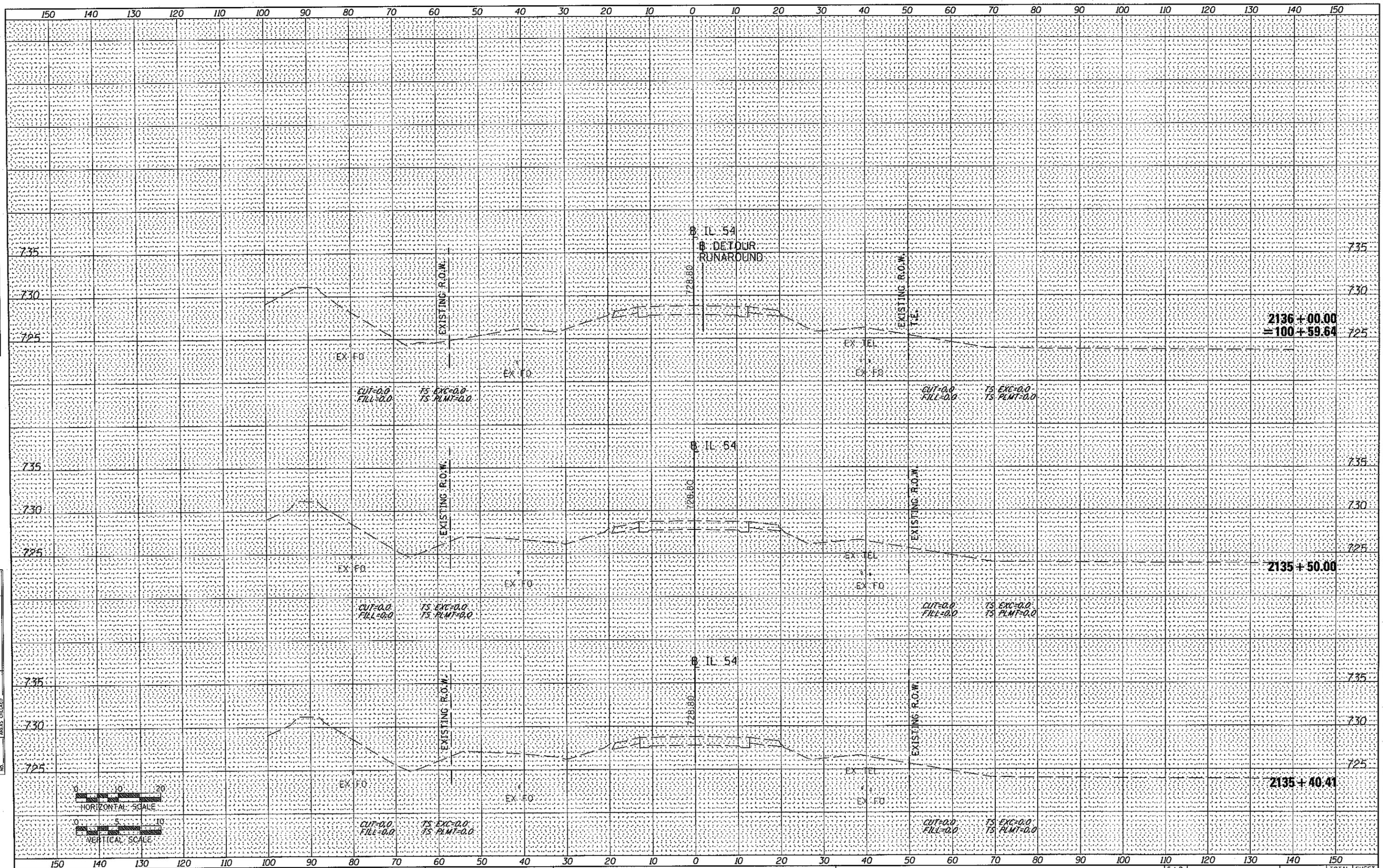
BBS, from 187 (Rev. 8-99)



DESIGNED -	BAS
CHECKED -	KEF
DRAWN -	SGM
CHECKED -	BAS

SOIL BORINGS
STRUCTURE NO. 020-2014

SHEET NO. 9	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	71	(15B-1)BR-1	DEWITT	76	35
9 SHEETS			CONTRACT NO. 70271		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



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

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

FILE NAME = 0570271-sht-ssht-construction.dgn
 USER NAME = wlewis
 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 12/1/2010

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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

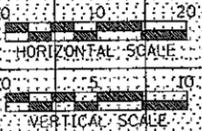
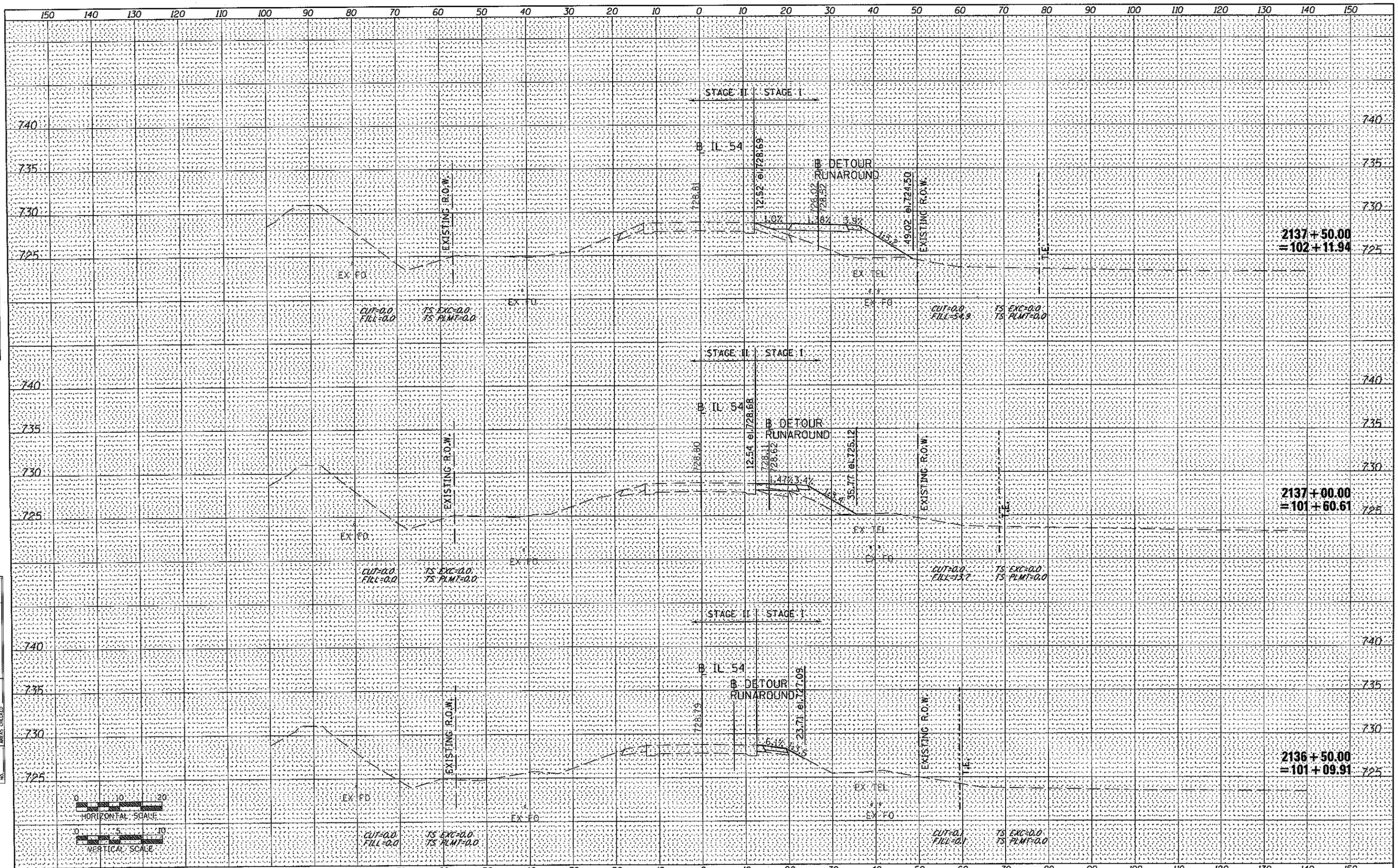
IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2135+40.41 TO STA. 2136+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(158-1)GR-1	DEWITT	76	36
CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
REVISED SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
REVISED SURVEY	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	
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2137+50.00
=102+11.94

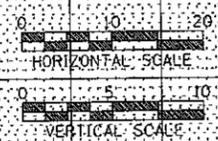
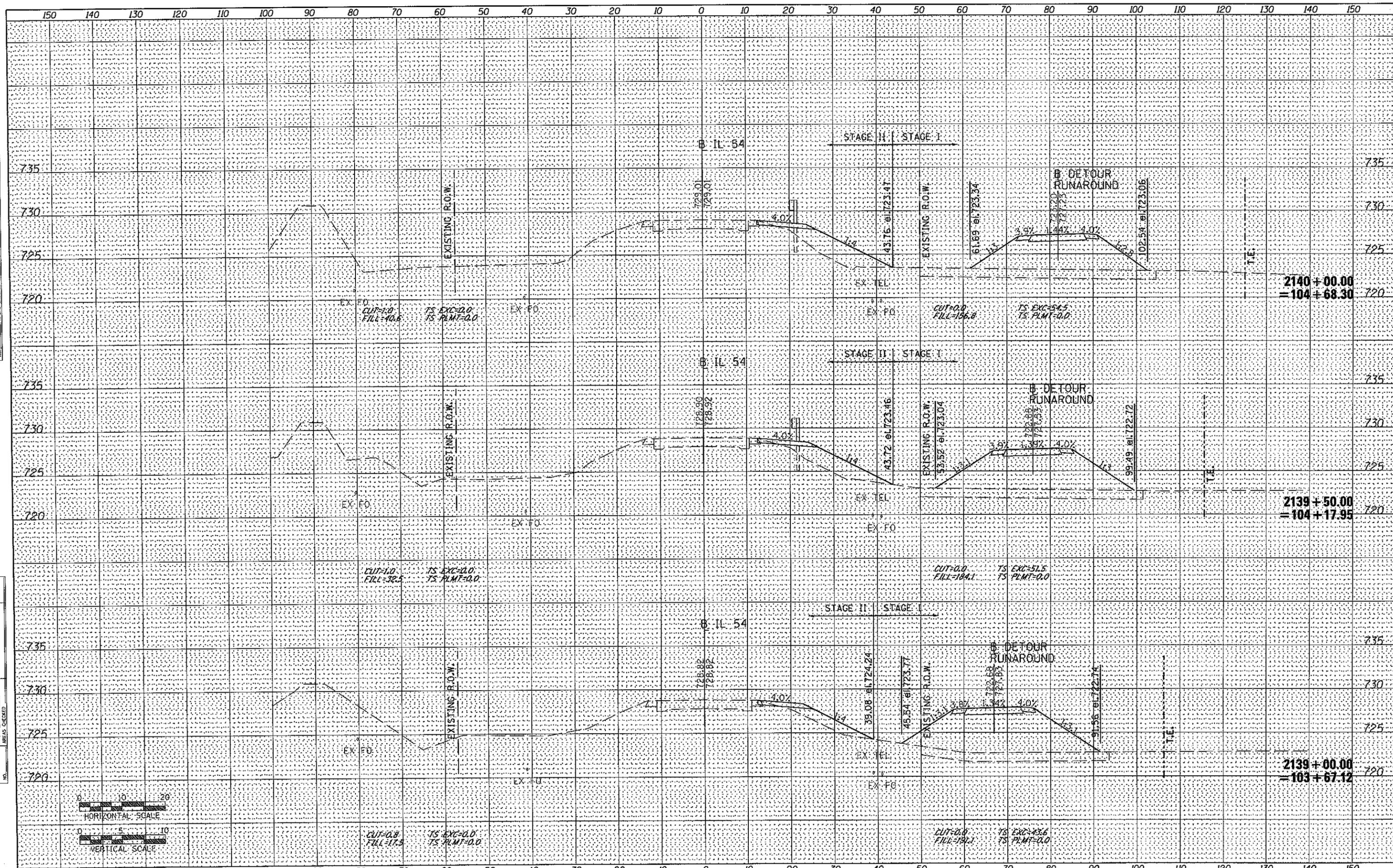
2137+00.00
=101+60.61

2136+50.00
=101+09.91

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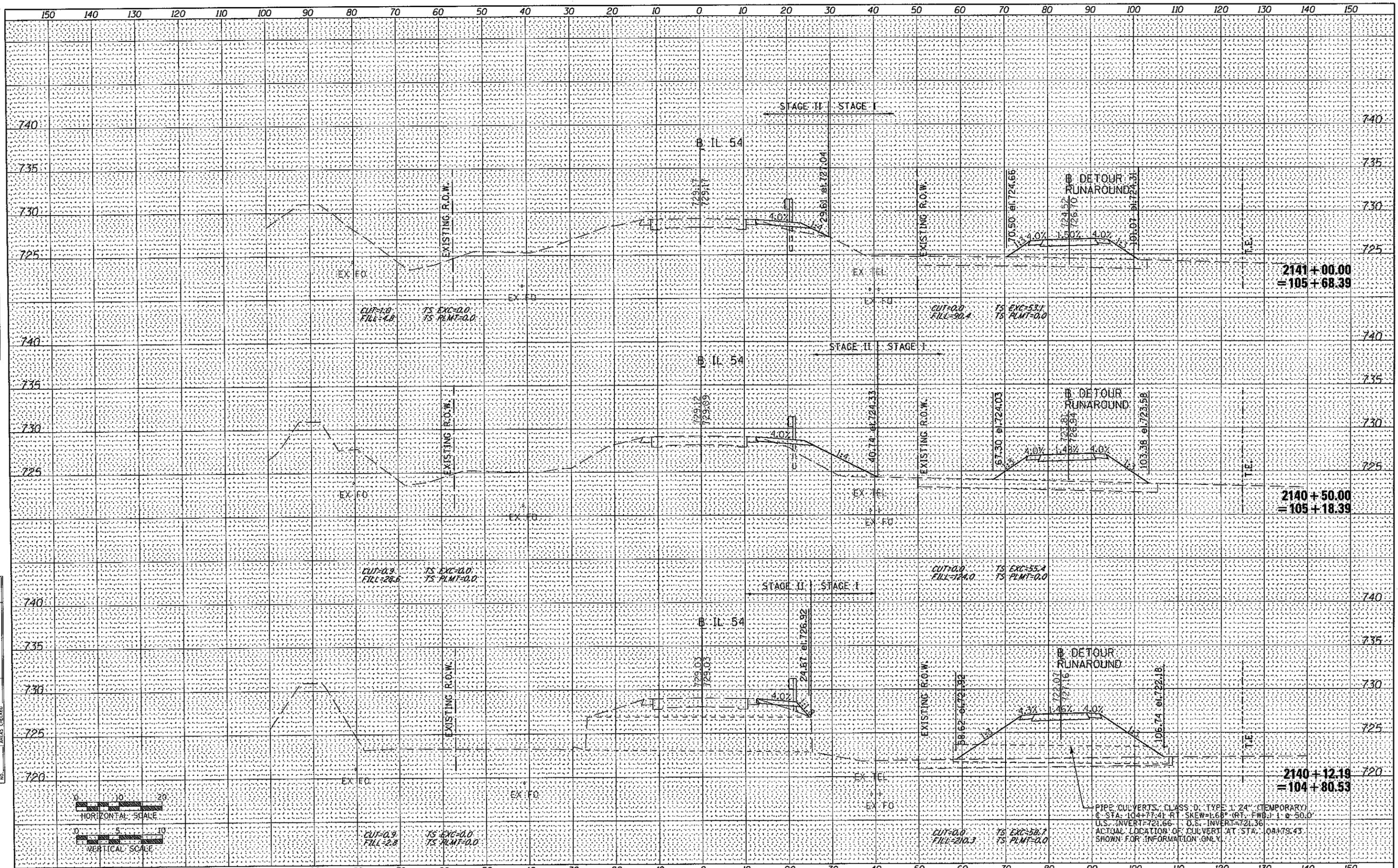
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



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PLOT DATE = 12/1/2010	DATE -	REVISED -									

DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

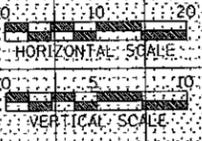
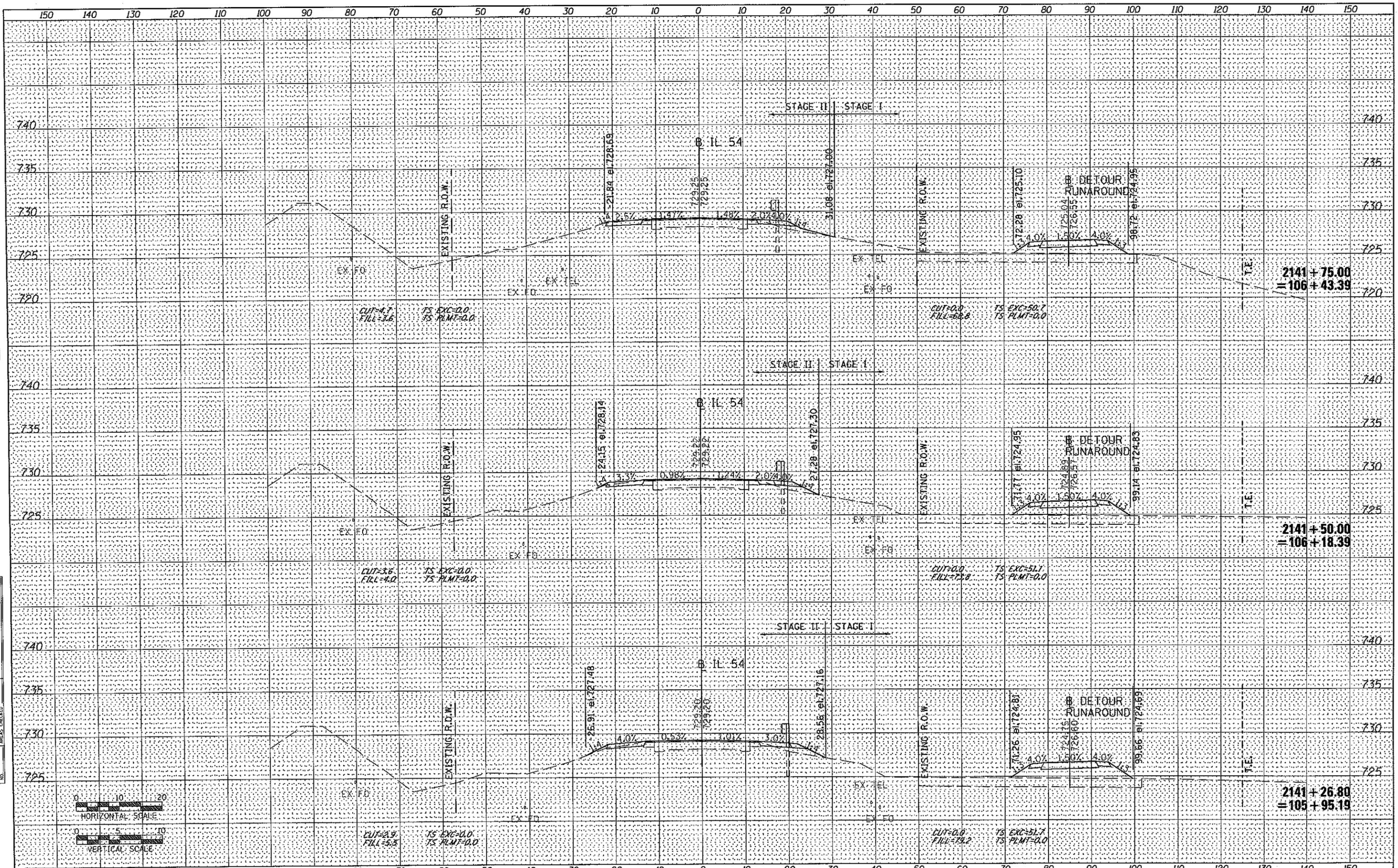
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NOTE BOOK	
AREAS CHECKED	



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PLOT DATE = 12/1/2010	DATE -	REVISED -	REVISED -			[ILLINOIS] FED. AID PROJECT						
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

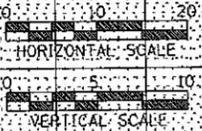
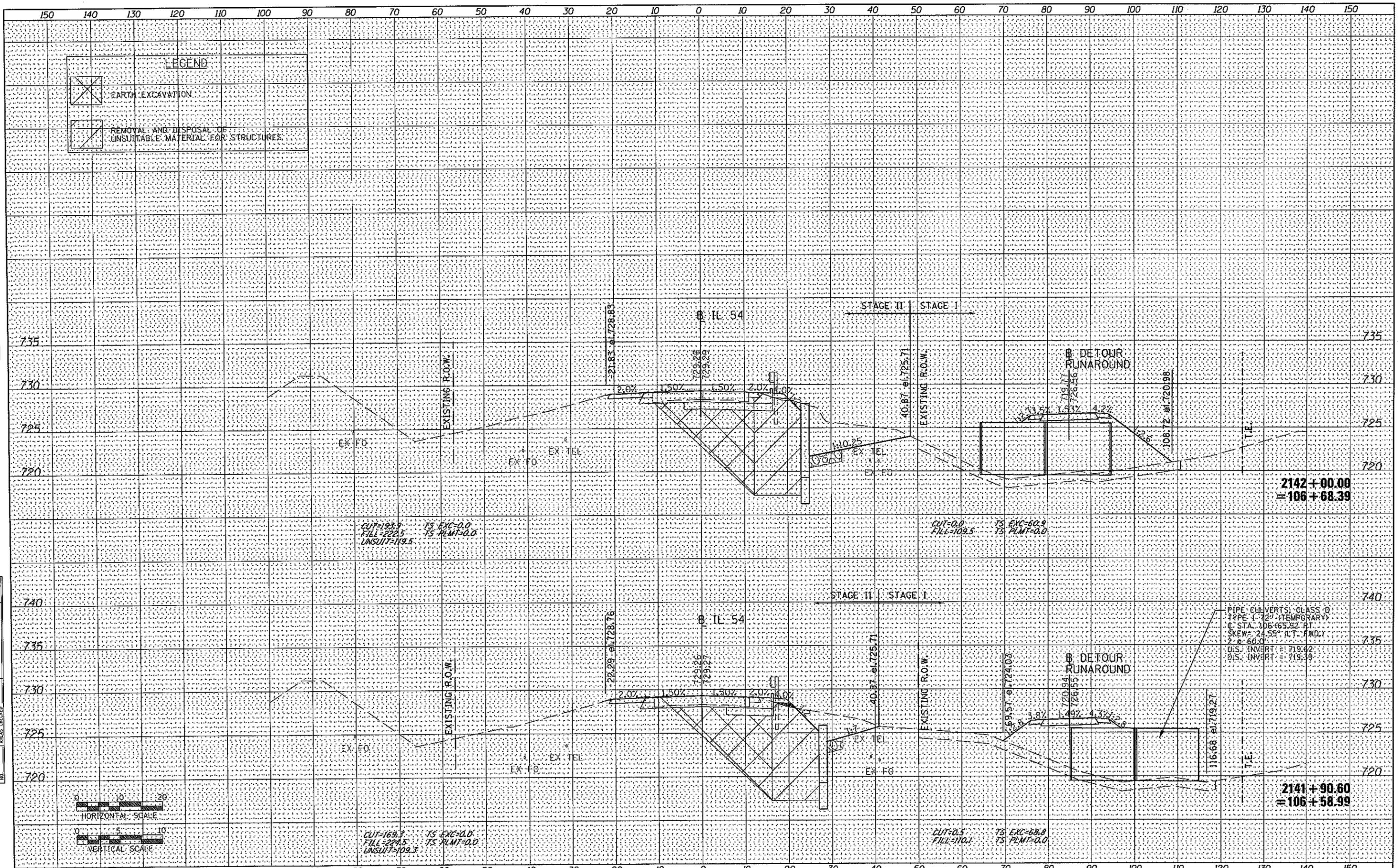
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NOTE BOOK	
AREAS CHECKED	



FILE NAME = D570271-sht-ssht-construction.dgn	USER NAME = williams	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS	F.A.P. RTE. 71	SECTION (15B-1)BR-1	COUNTY	TOTAL SHEETS 76	SHEET NO. 41		
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	PLOT DATE = 12/1/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT						
...D570271-sht-ssht-construction.dgn 12/1/2010 1:29:26 PM												

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FINAL SURVEY	
CORRECTED	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

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ORIGINAL SURVEY	
CORRECTED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



CUT=193.9 TS EXC=0.0
 FILL=222.5 TS PLMT=0.0
 UNSUIT=119.5

CUT=0.0 TS EXC=60.9
 FILL=109.5 TS PLMT=0.0

CUT=169.7 TS EXC=0.0
 FILL=224.5 TS PLMT=0.0
 UNSUIT=109.3

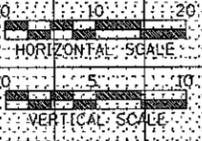
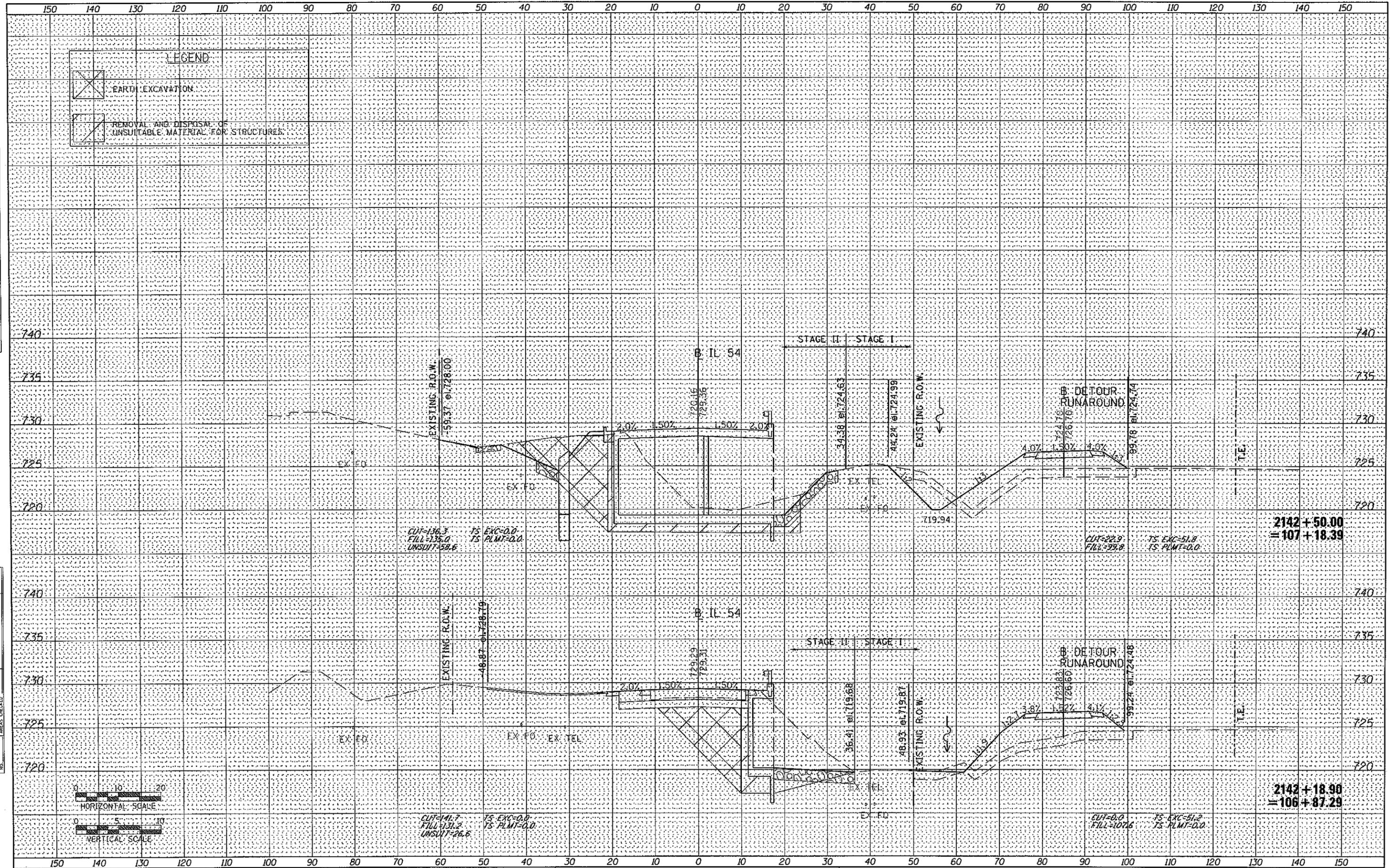
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 FILL=110.1 TS PLMT=0.0

PIPE CULVERTS: CLASS D
 TYPE 1 72" (TEMPORARY)
 C STA: 106+65.92 RT
 SKEW: 24.55° (LT-FWD)
 2' x 60.0'
 O.S. INVERT = 719.42
 U.S. INVERT = 719.39

FILE NAME = 0570271-sht-xssht-construction.dgn	USER NAME = willows	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS				F.A.P. RTE. 71	SECTION 115B-116R-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 42
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 2141+90.60	TO STA. 2142+00.00	ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/1/2010		DATE -	REVISED -		CONTRACT NO. 70271								

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	



FILE NAME = 0570271-sht-ssht-construction.dgn
 USER NAME = williams
 PLOT SCALE = 20,0000' / IN.
 PLOT DATE = 12/1/2010

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

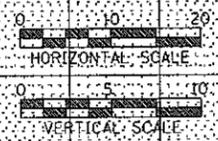
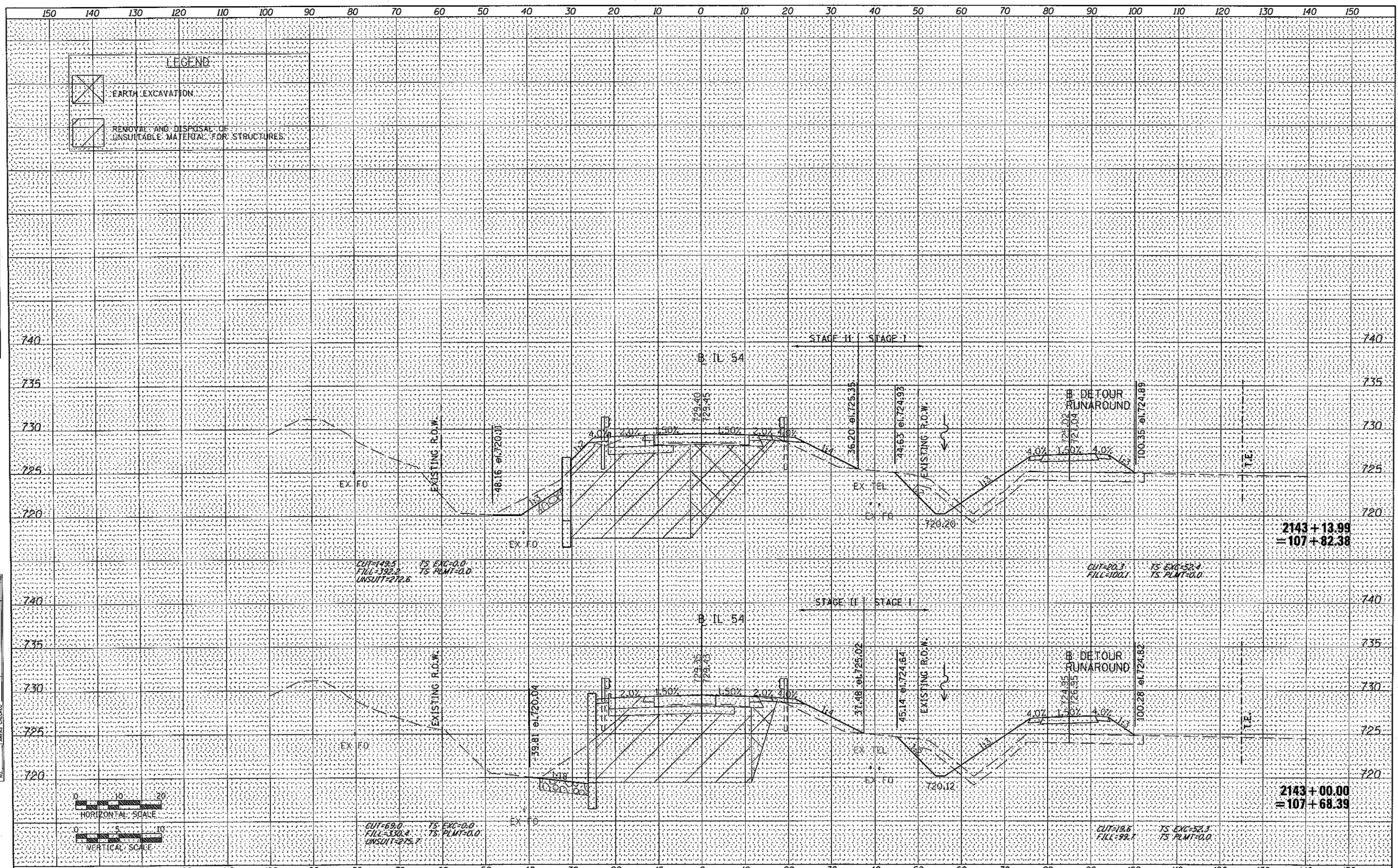
IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2142+18.90 TO STA. 2142+50.00

F.A.P. RTE. 71	SECTION (158-1BR-1)	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 43
			CONTRACT NO. 70271	
[ILLINOIS] FED. AID PROJECT				

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

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



CUT=149.5 TS EXC=0.0
 FILL=392.2 TS PLMT=0.0
 UNSUIT=272.6

CUT=20.3 TS EXC=52.4
 FILL=100.1 TS PLMT=0.0

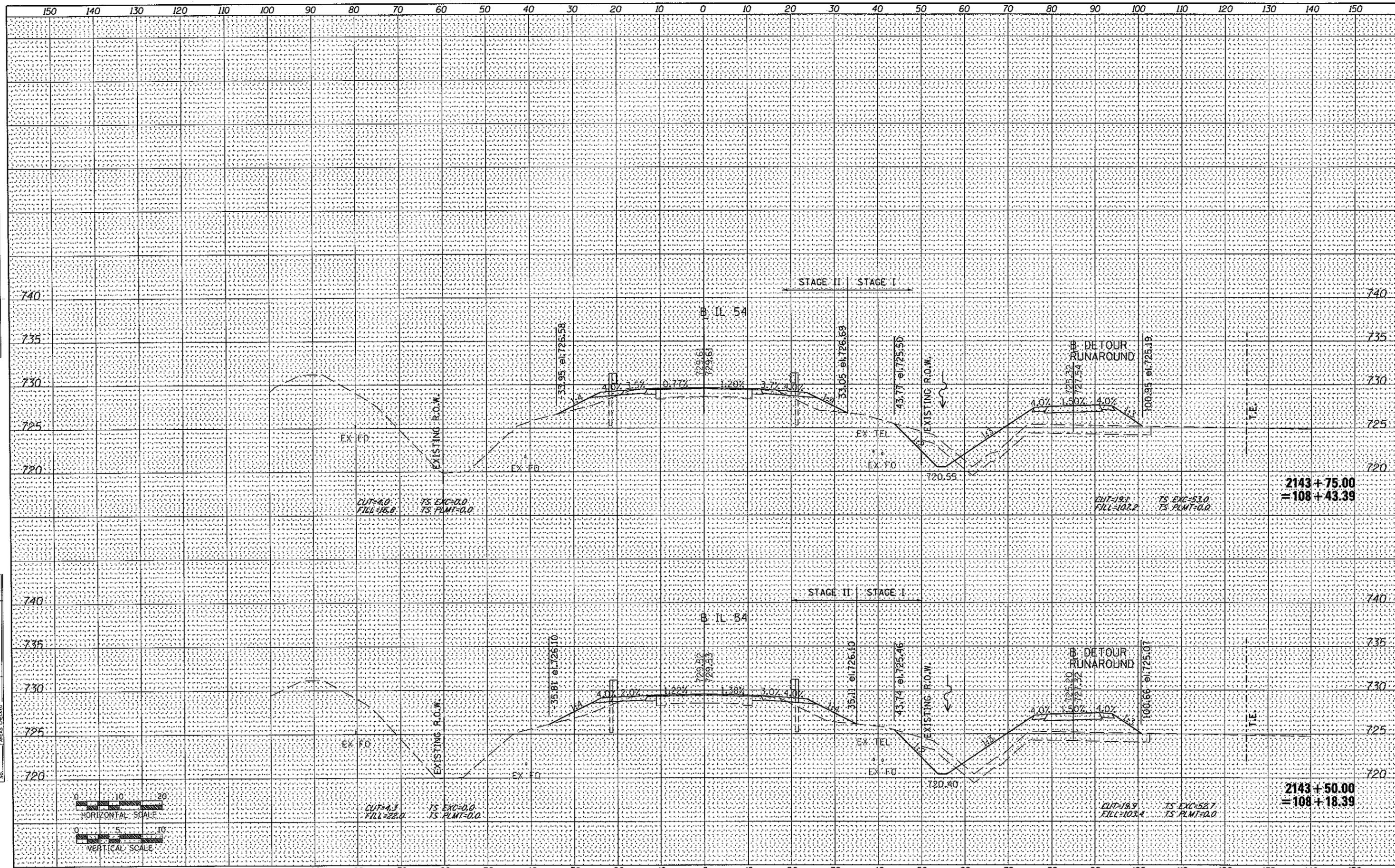
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 FILL=330.2 TS PLMT=0.0
 UNSUIT=275.7

CUT=19.6 TS EXC=52.3
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2143+13.99
 = 107+82.38

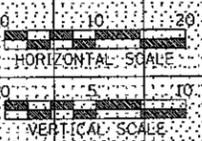
2143+00.00
 = 107+68.39

FILE NAME =	USER NAME = willis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D570271-sht-ssht-construction.dgn		DRAWN -	REVISED -			71	(158-1)BR-1	DEWITT	76	44
PLOT SCALE = 28.0000" / IN.		CHECKED -	REVISED -			CONTRACT NO. 70271				
PLOT DATE = 12/1/2010		DATE -	REVISED -			[ILLINOIS] FED. AID PROJECT				
		SCALE:		SHEET NO. OF SHEETS		STA. 2143+00.00 TO STA. 2143+13.99				



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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	



FILE NAME = 0570271-sht-xssht-construction.dgn
 USER NAME = willows
 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 12/1/2010

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DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

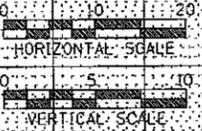
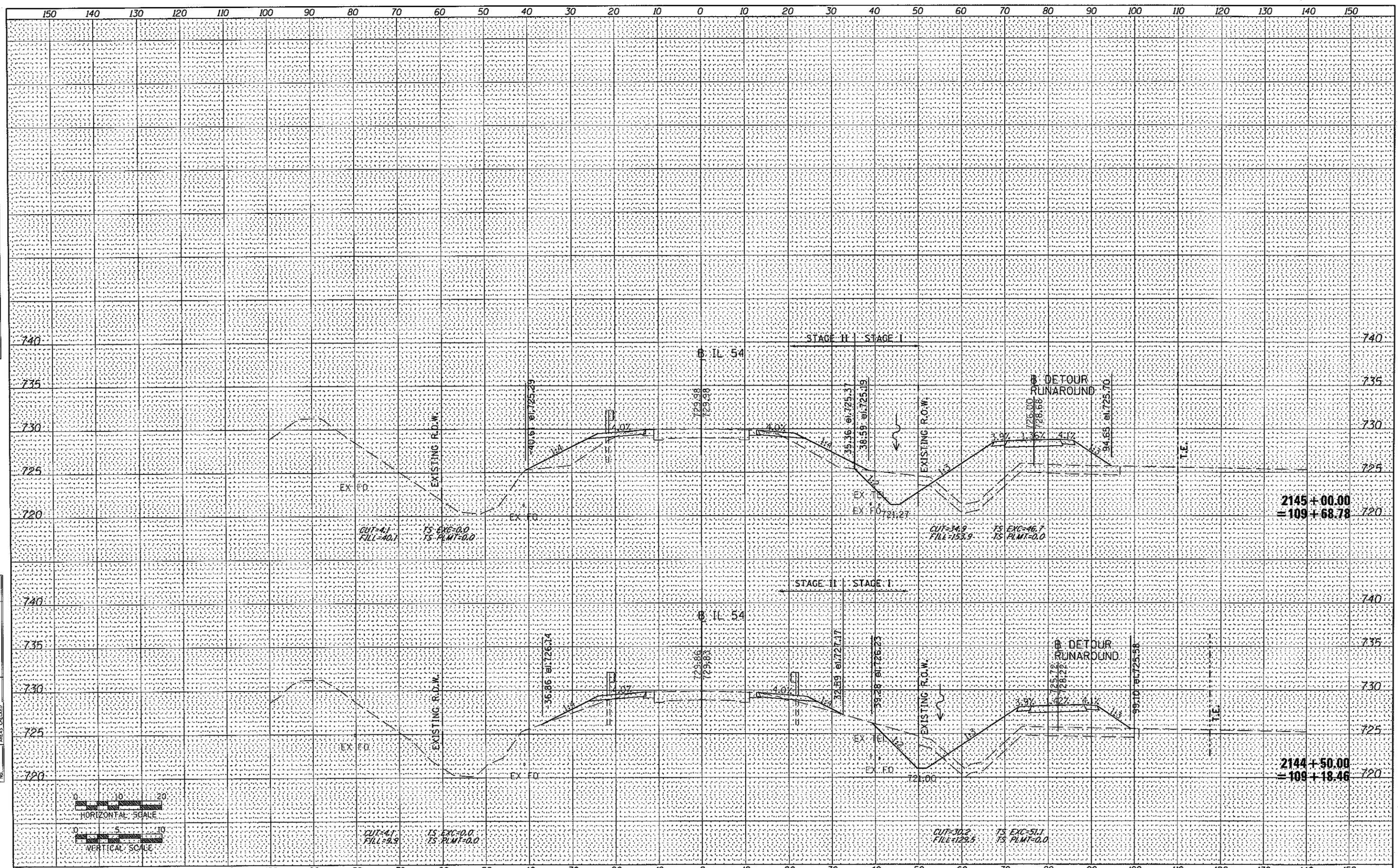
IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2143+50.00 TO STA. 2143+75.00

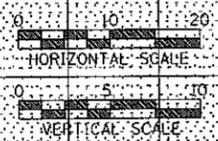
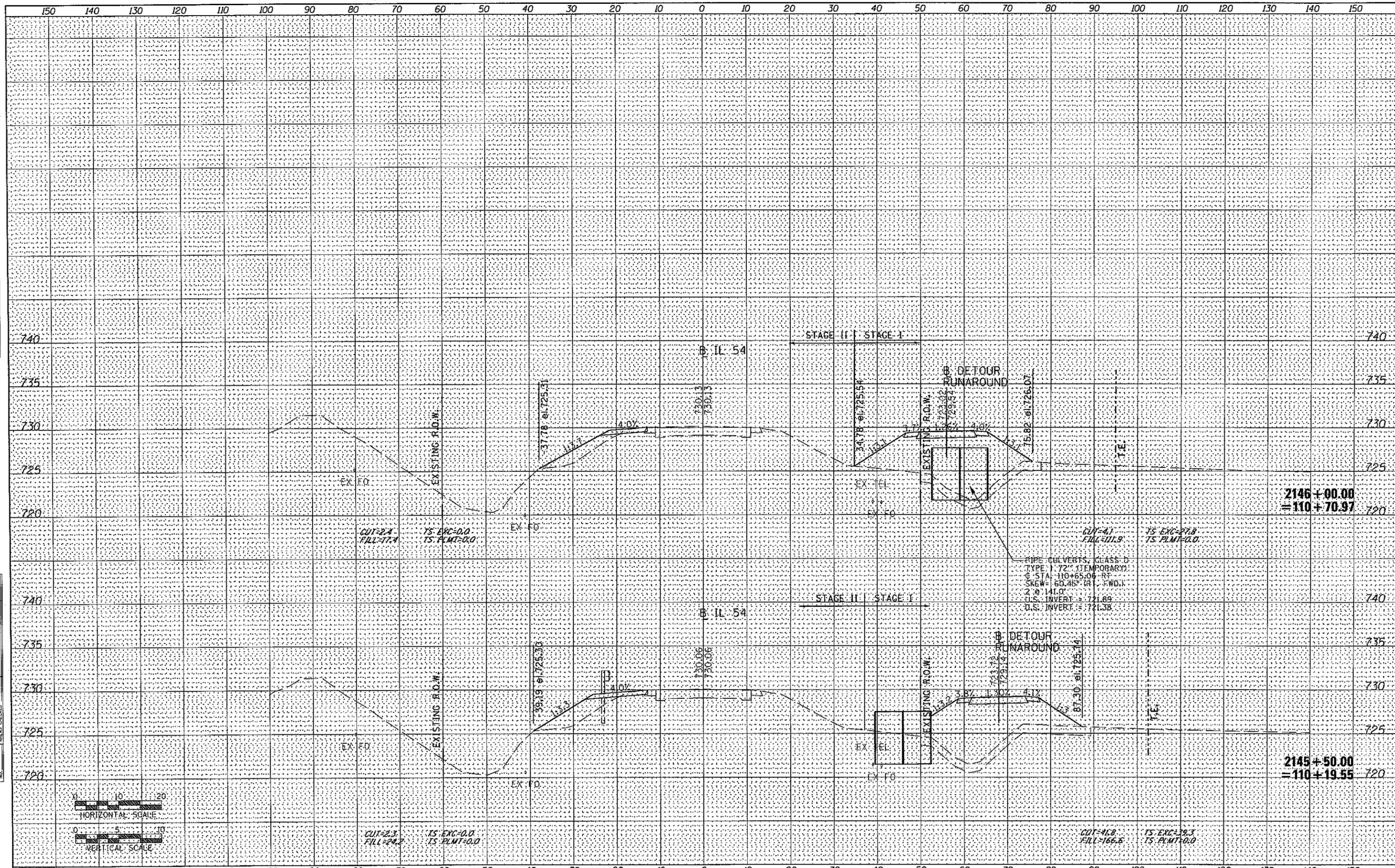
F.A.P. RTE. 71	SECTION (158-108-1)	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 45
			CONTRACT NO. 70271	
[ILLINOIS] FED. AID PROJECT				

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TEMPLATE	
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SURVEY	
NOTE BOOK	
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AREAS CHECKED	
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FILE NAME = 0578271-sht-xssht-construction.dgn	USER NAME = wilewis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS	F.A.P. R.T.E. = 71	SECTION = (158-1)BR-1	COUNTY = DEWITT	TOTAL SHEETS = 76	SHEET NO. = 47
PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. 2144+50.00 TO STA. 2145+00.00	CONTRACT NO. 70271		ILLINOIS FED. AID PROJECT
PLOT DATE = 12/1/2010	DATE -	REVISED -								



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FILE NAME = 0578271-shi-xssh-construction.dgn
 USER NAME = willis
 PLT SCALE = 20,0000 "/>

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

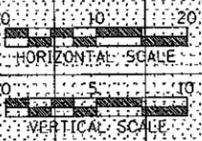
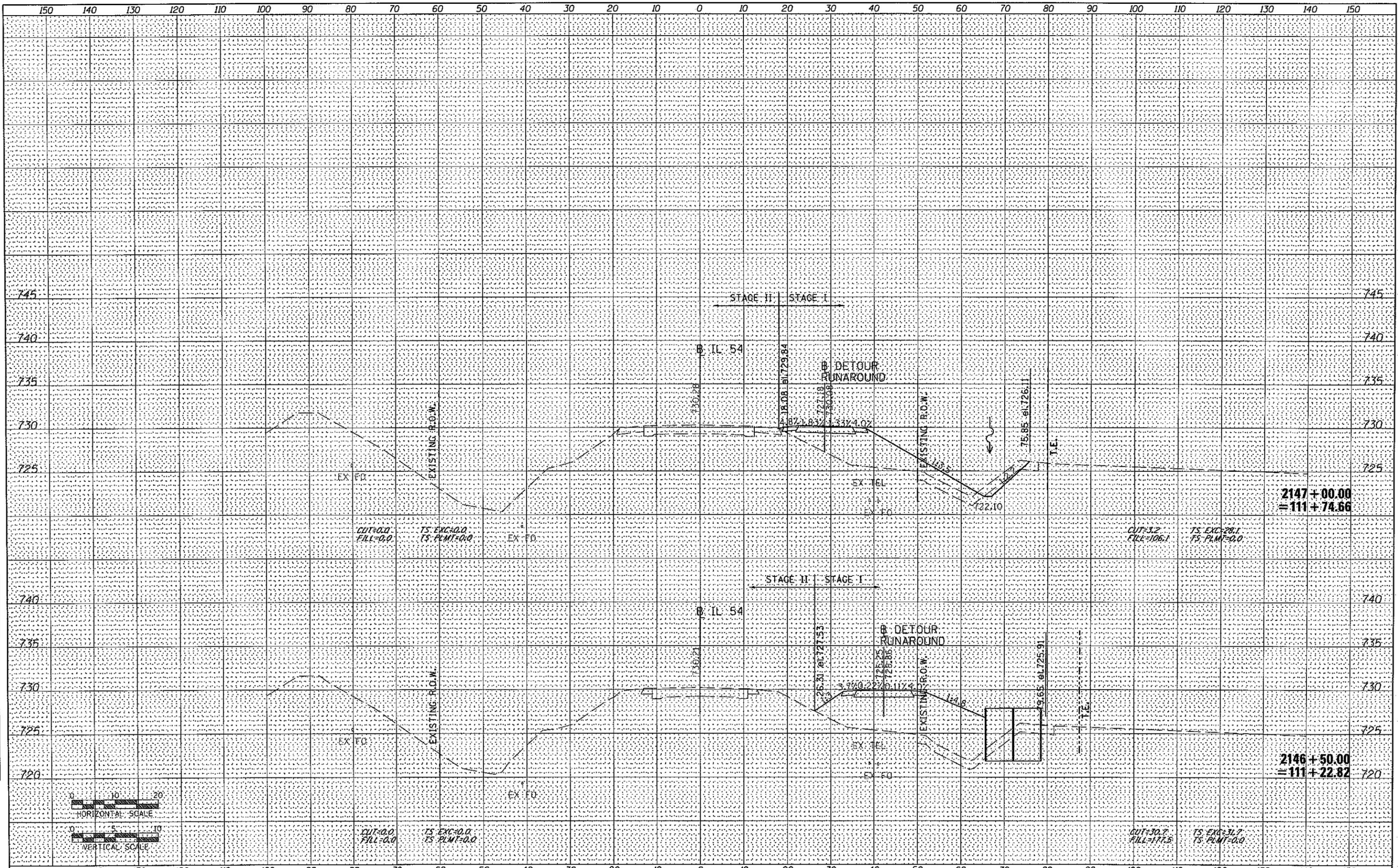
IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2145+50.00 TO STA. 2146+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1)BR-1	DEWITT	76	48
			CONTRACT NO.	70271
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
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FILE NAME = 0570271-sht-xssht-construction.dgn
 USER NAME = wllouis
 PLOT SCALE = 20.0000" / IN.
 PLOT DATE = 12/1/2010

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CHECKED	REVIS
DATE	REVIS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

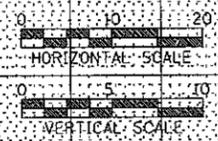
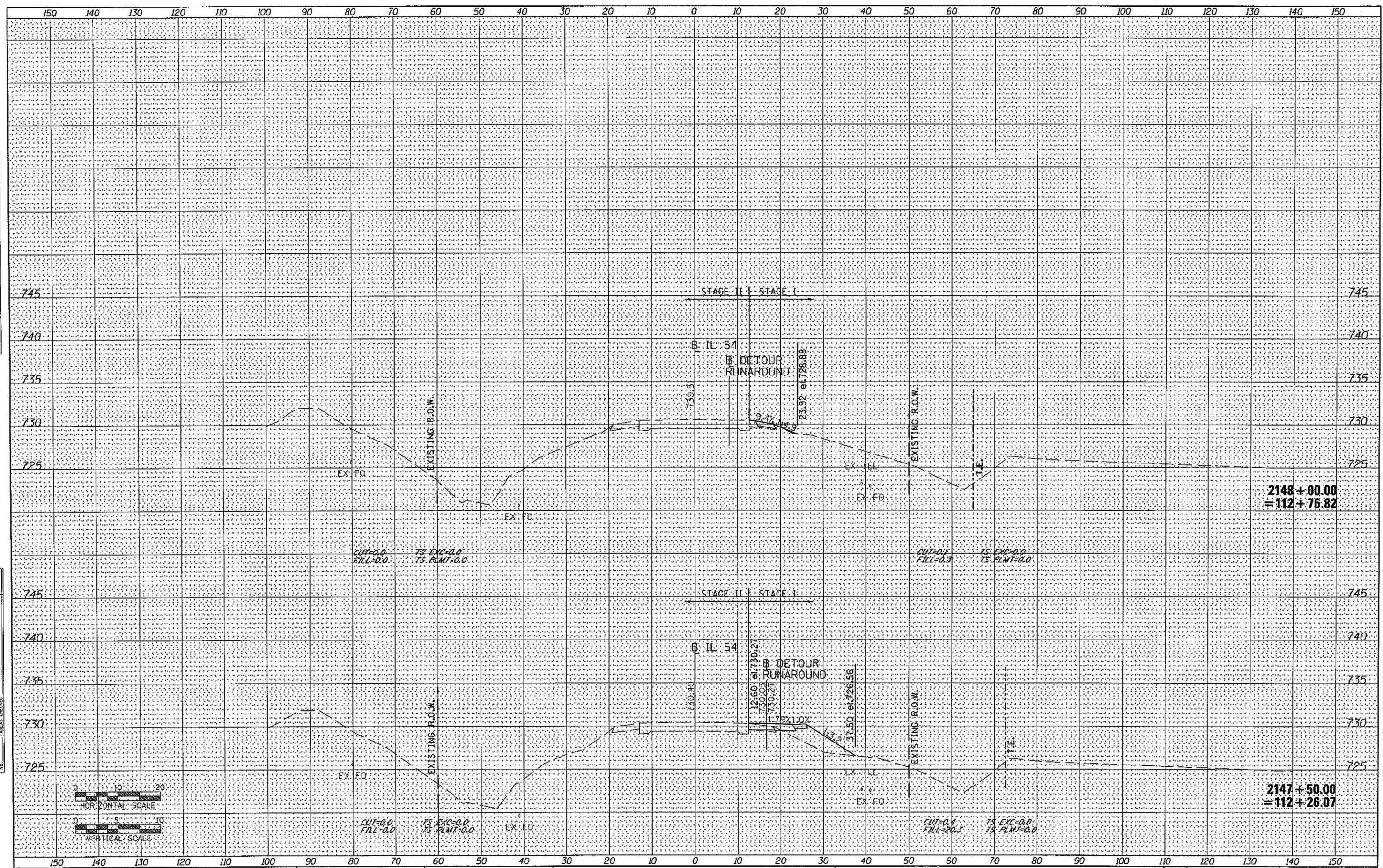
IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2146+50.00 TO STA. 2147+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(158-158-1)	DEWITT	76	49
CONTRACT NO. 70271				

DATE	
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FINAL SURVEY	
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FILE NAME = 0570271-sht-xssht-construction.dgn
 USER NAME = wllouis
 DESIGNED -
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 PLOT SCALE = 20,0000 "/>

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 PLOT DATE = 12/1/2010

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

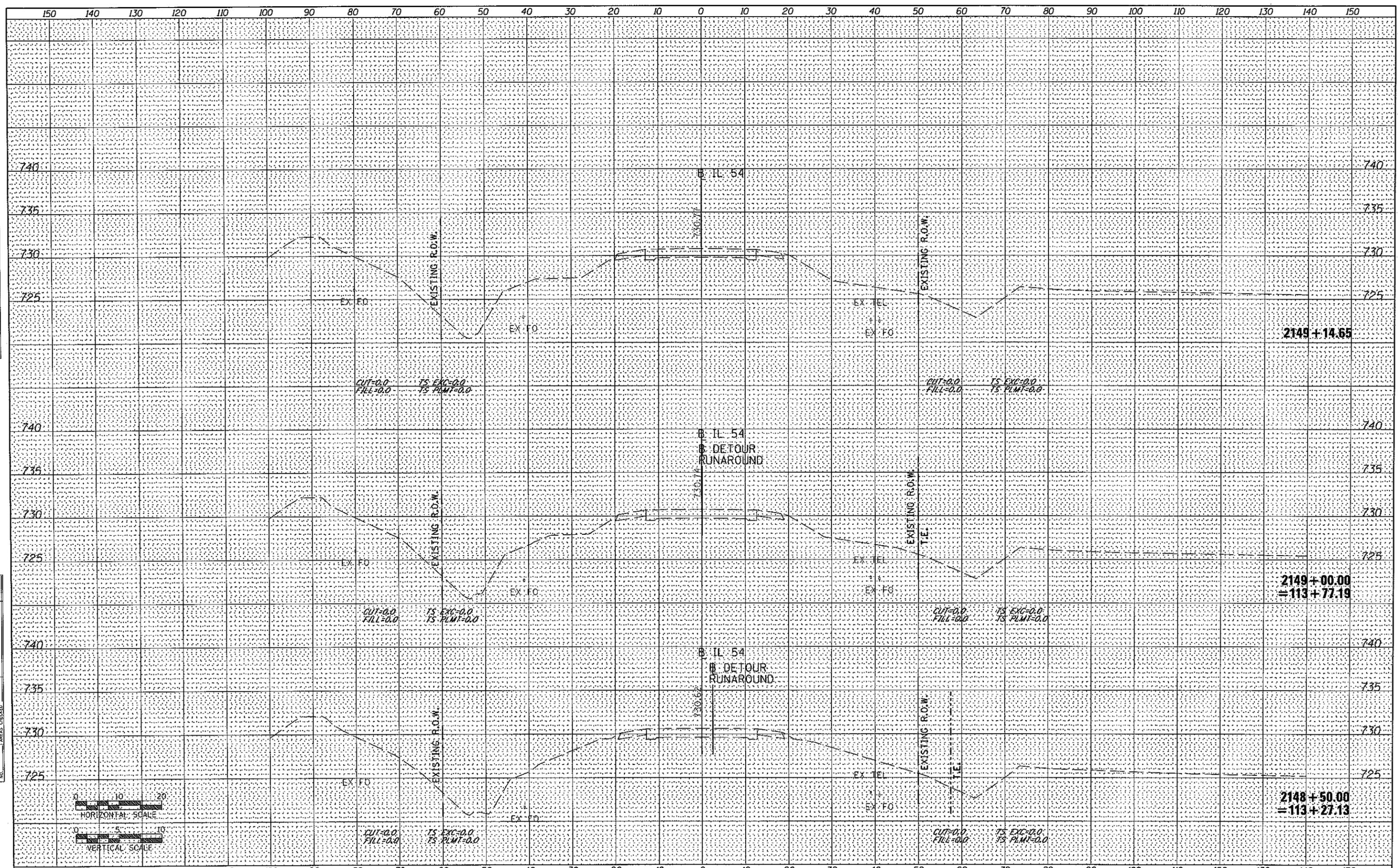
IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2147+50.00 TO STA. 2148+00.00

F.A.P. RTE. 71	SECTION 158-1BR-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 50
CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	

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FILE NAME = 0570271-sht-xssht-construction.dgn
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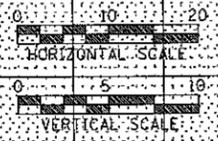
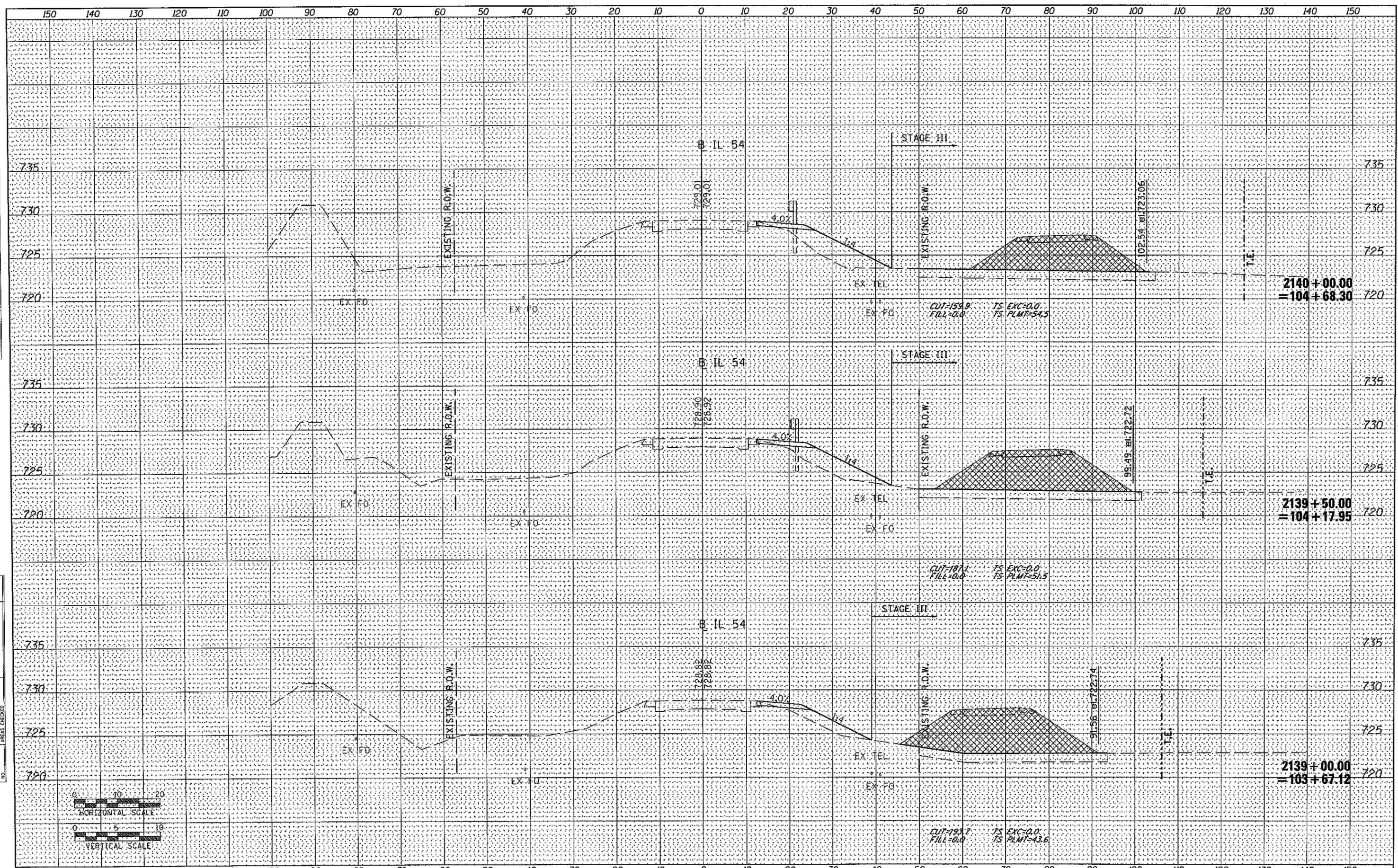
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 54 OVER COON CREEK CONSTRUCTION CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. 2148+50.00 TO STA. 2149+14.65

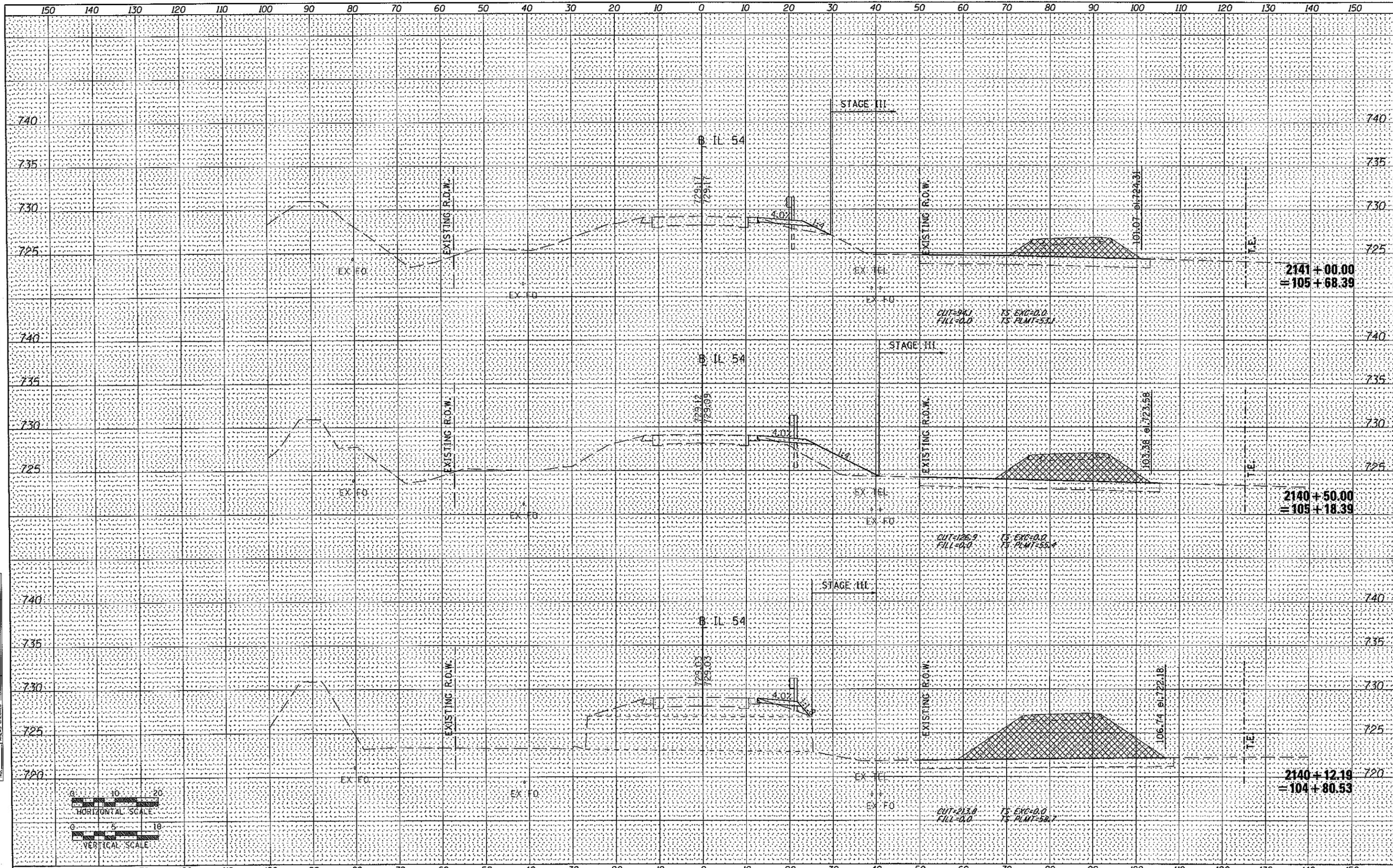
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-UBR-1)	DEWITT	76	51
CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	

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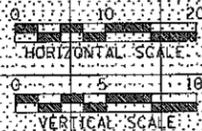


FILE NAME =	USER NAME = wlewis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D570271-sht-xssht-final grading.dgn		DRAWN -	REVISED -			71	(15B-118R-1)	DEWITT	76	55
PLOT SCALE = 20,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70271				
PLOT DATE = 12/1/2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO. OF SHEETS	STA. 2139+00.00 TO STA. 2140+00.00				



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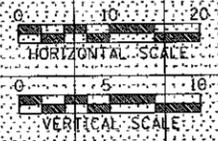
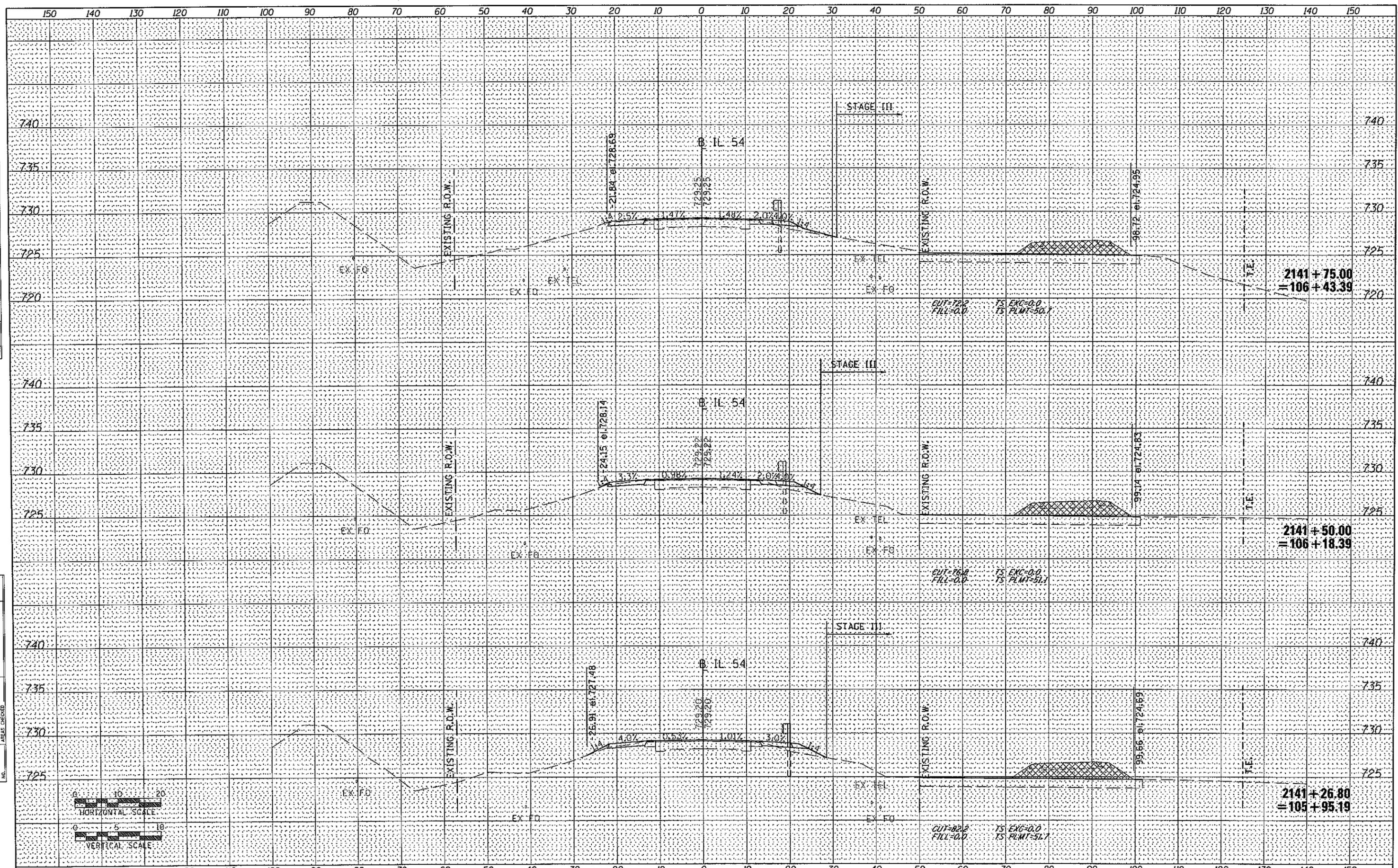
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FILE NAME = 0570271-sht-xssht-final grading.dgn	USER NAME = wllouis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS	F.A.P. RTE. 71	SECTION (158-118R-1)	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 56
PLOT SCALE = 20.0000" / IN.	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. 2140+12.19 TO STA. 2141+00.00	CONTRACT NO. 70271		ILLINOIS FED. AID PROJECT
PLOT DATE = 12/1/2010	DATE -	REVISED -								

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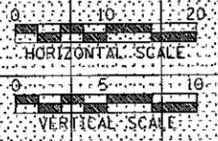
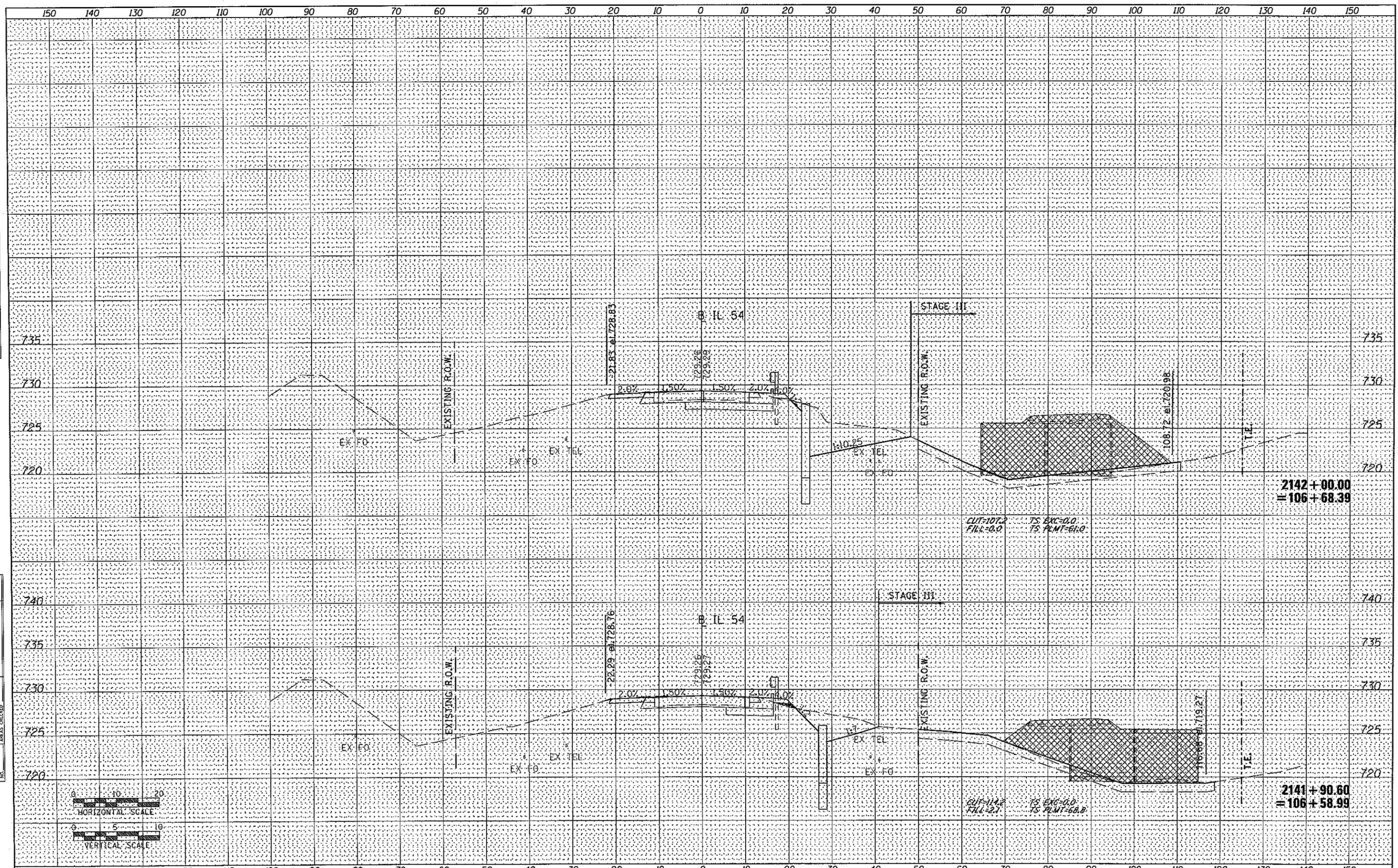
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FILE NAME = D570271-sht-xssht-final grading.dgn	USER NAME = wlewis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS	F.A.P. RTE. 71	SECTION (158-1)BR-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 57	
		DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. 2141+26.80 TO STA. 2141+75.00	CONTRACT NO. 70271		
		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					
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 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 12/1/2010

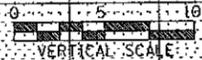
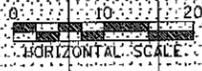
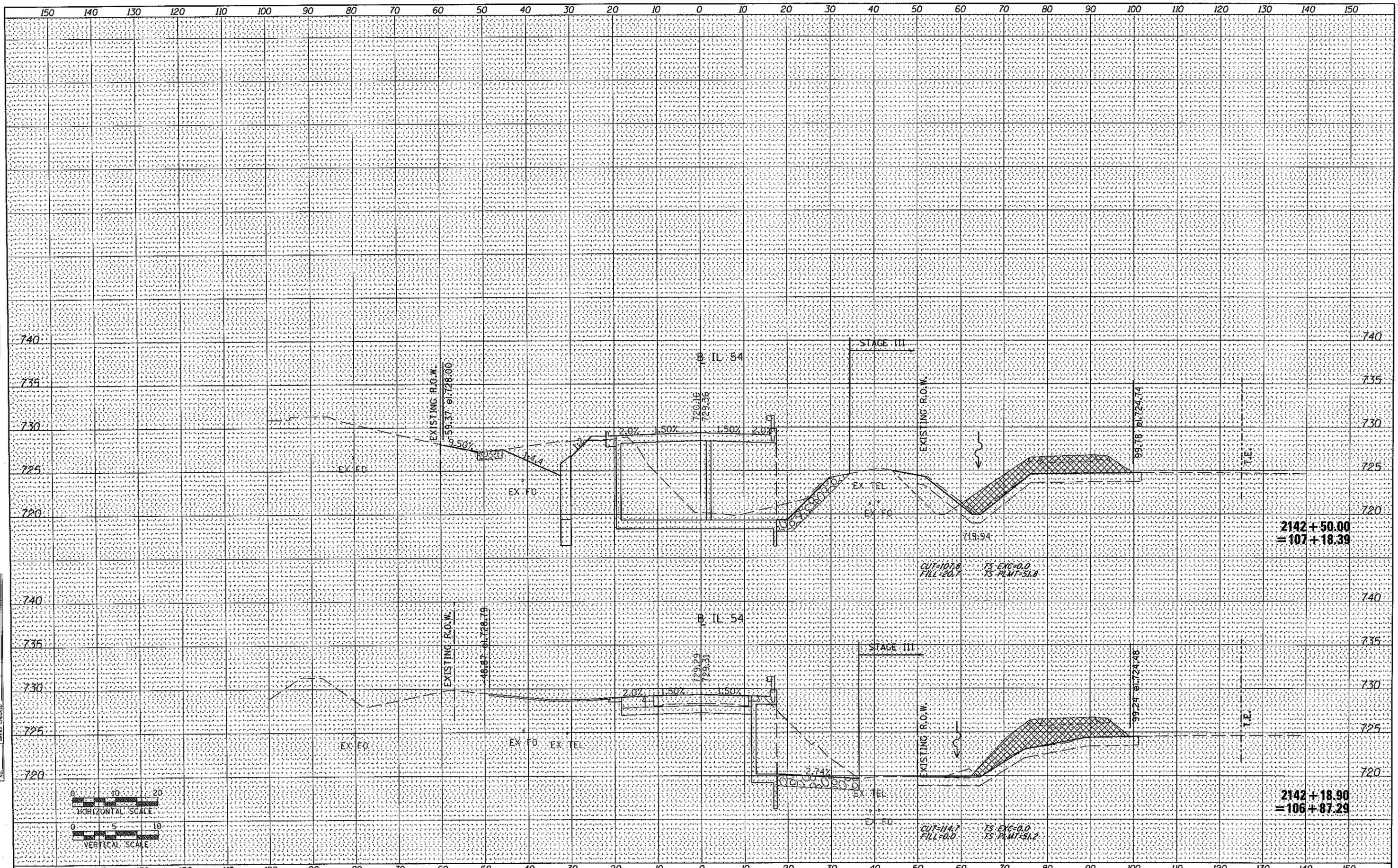
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2141+90.60 TO STA. 2142+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1)BR-1	DEWITT	76	58
CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	



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FILE NAME = 0570271-sht-xssht-final grading.dgn
 USER NAME = williams
 PLOT SCALE = 28.0000" / IN.
 PLOT DATE = 12/1/2010

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

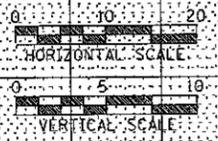
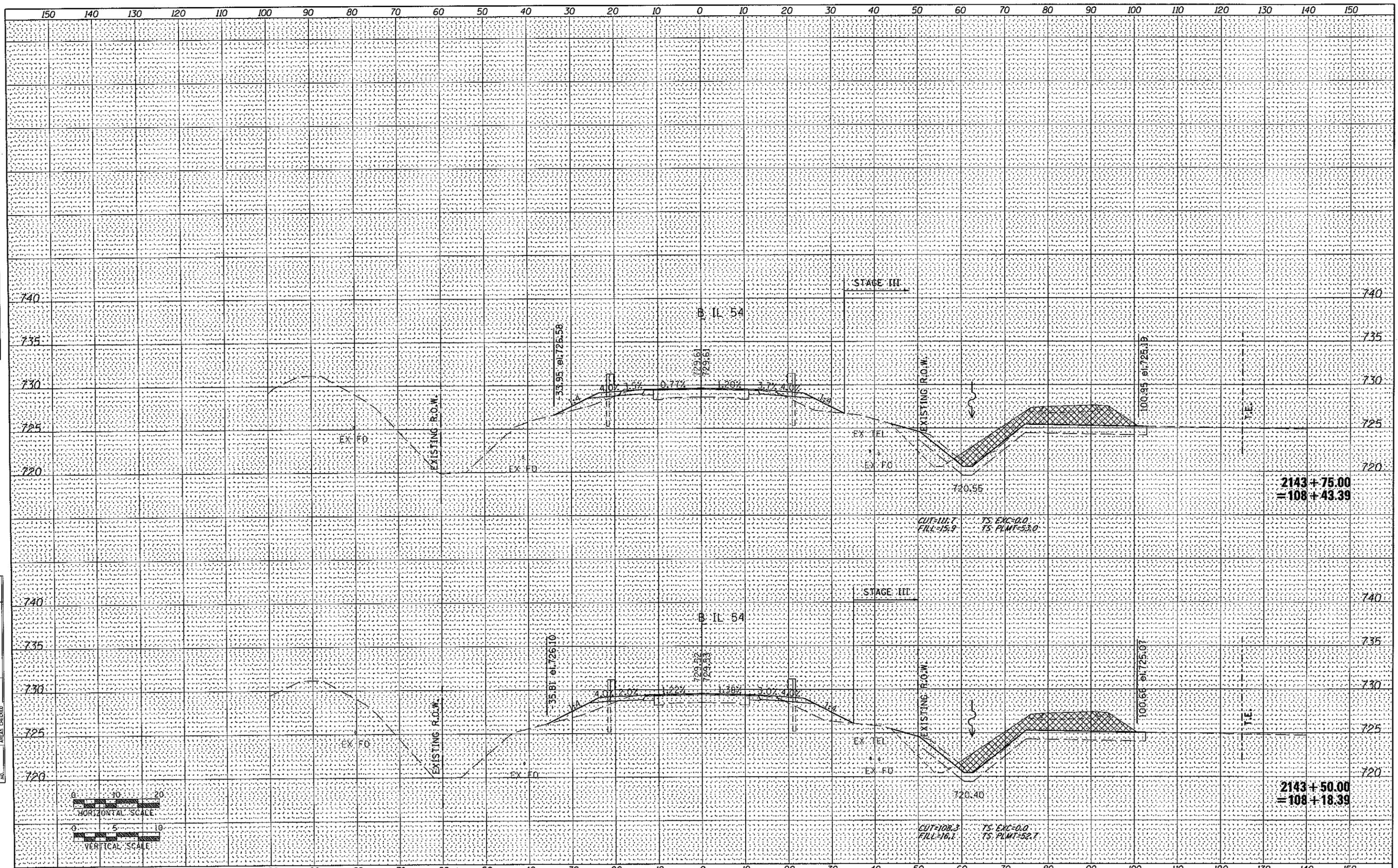
IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2142+18.90 TO STA. 2142+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1)BR-1	DEWITT	76	59
CONTRACT NO.			70271	
ILLINOIS FED. AID PROJECT				

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FILE NAME = DS70271-sht-ssht-final grading.dgn
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 PLOT SCALE = 20.0000 "/ IN.
 PLOT DATE = 12/1/2010

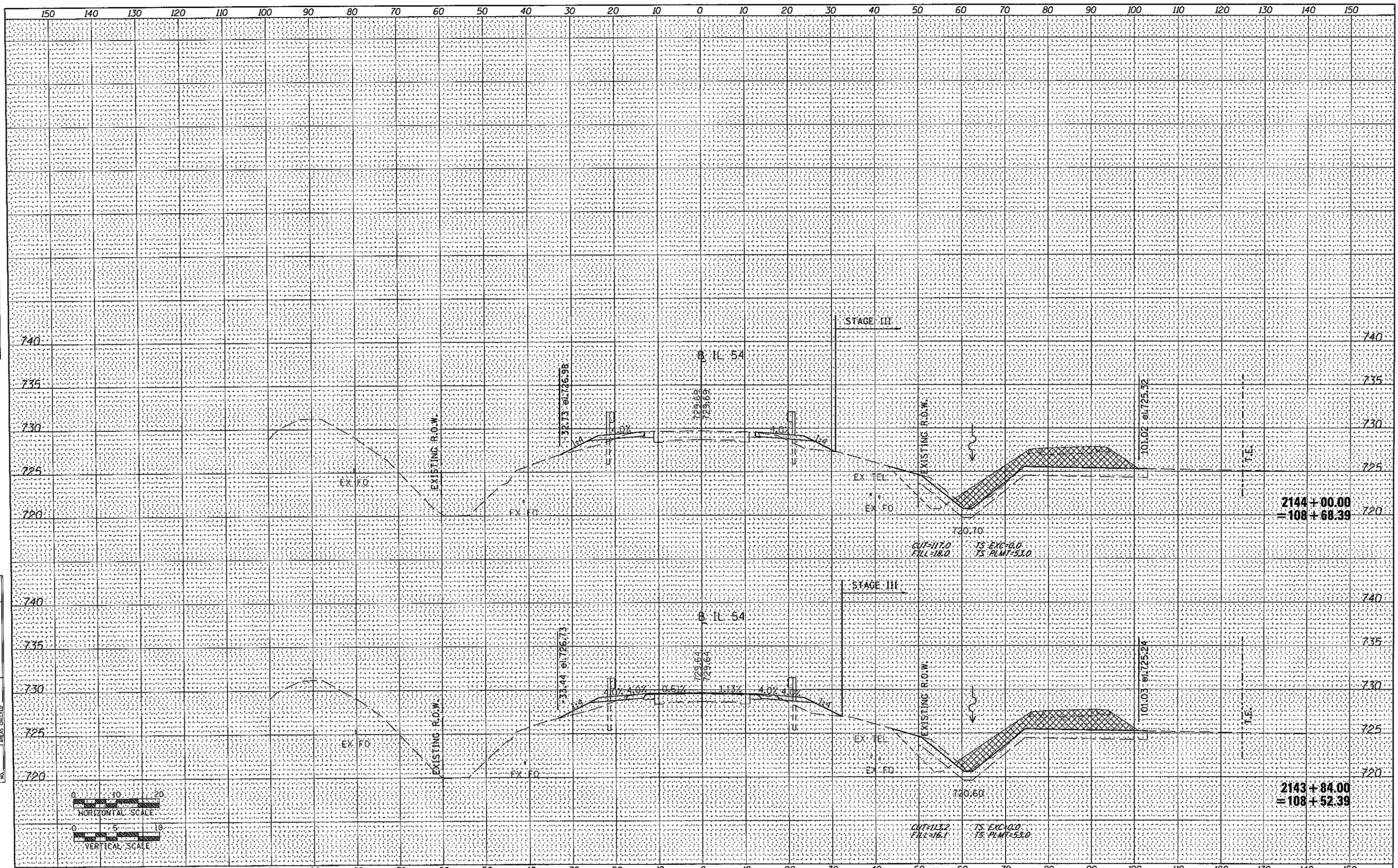
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS

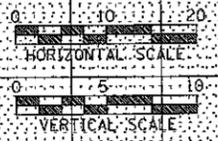
SCALE: SHEET NO. OF SHEETS STA. 2143+50.00 TO STA. 2143+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(158-1)BR-1	DEWITT	76	61
				CONTRACT NO. 70271
ILLINOIS FED. AID PROJECT				



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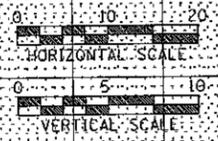
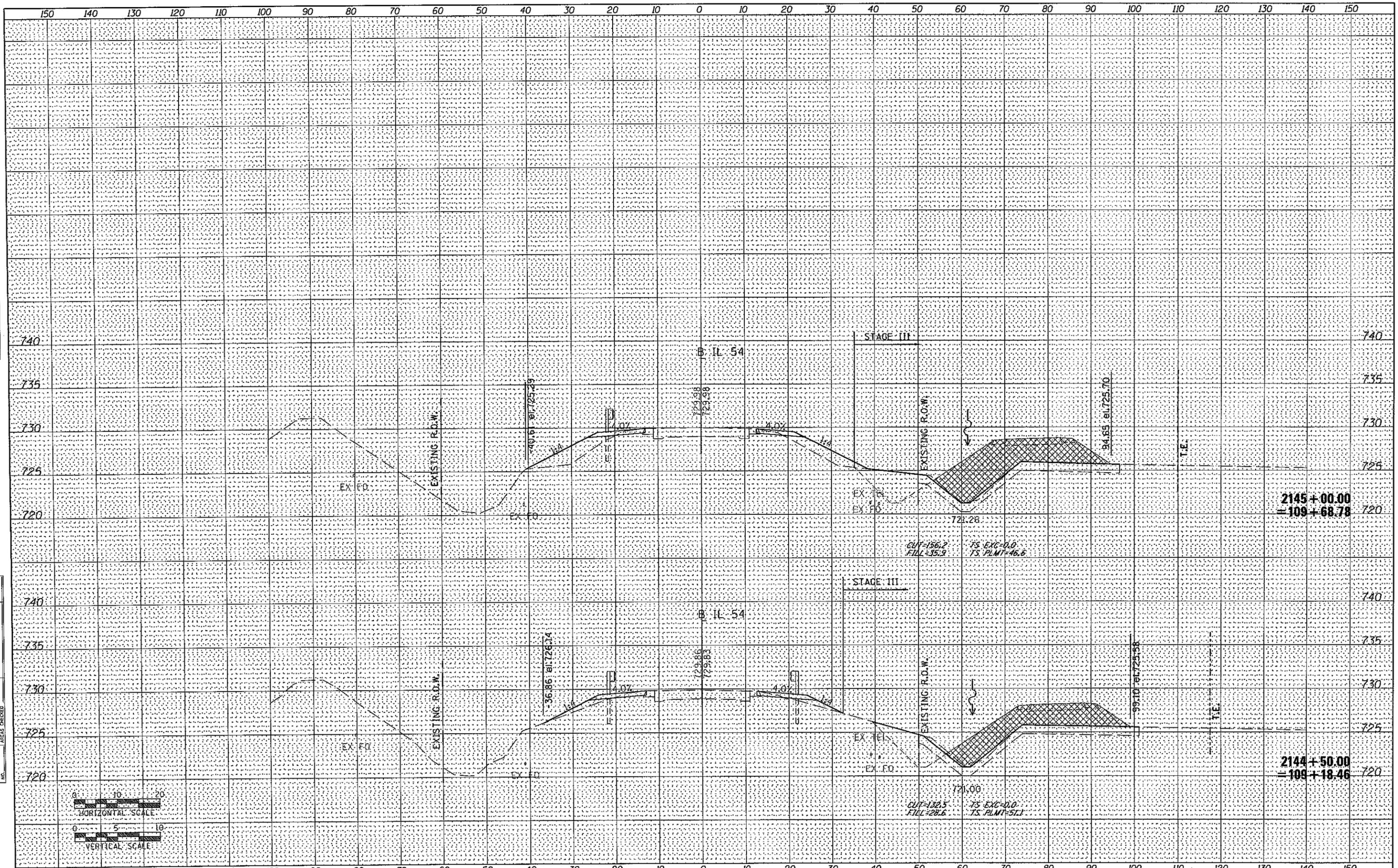
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FILE NAME = 0570271-sht-ssht-final grading.dgn	USER NAME = willevis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS	F.A.P. RTE. 71	SECTION (15B-1)BR-1	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 62
PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -	SCALE: 1" = 40'			SHEET NO. OF SHEETS	STA. 2143+84.00 TO STA. 2144+00.00	CONTRACT NO. 70271		ILLINOIS FED. AID PROJECT
PLOT DATE = 12/1/2010	DATE -	REVISED -								

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FILE NAME = 0570271-sht-xssht-final grading.dgn
 USER NAME = willis
 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 12/1/2010

DESIGNED -	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

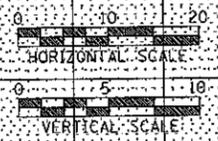
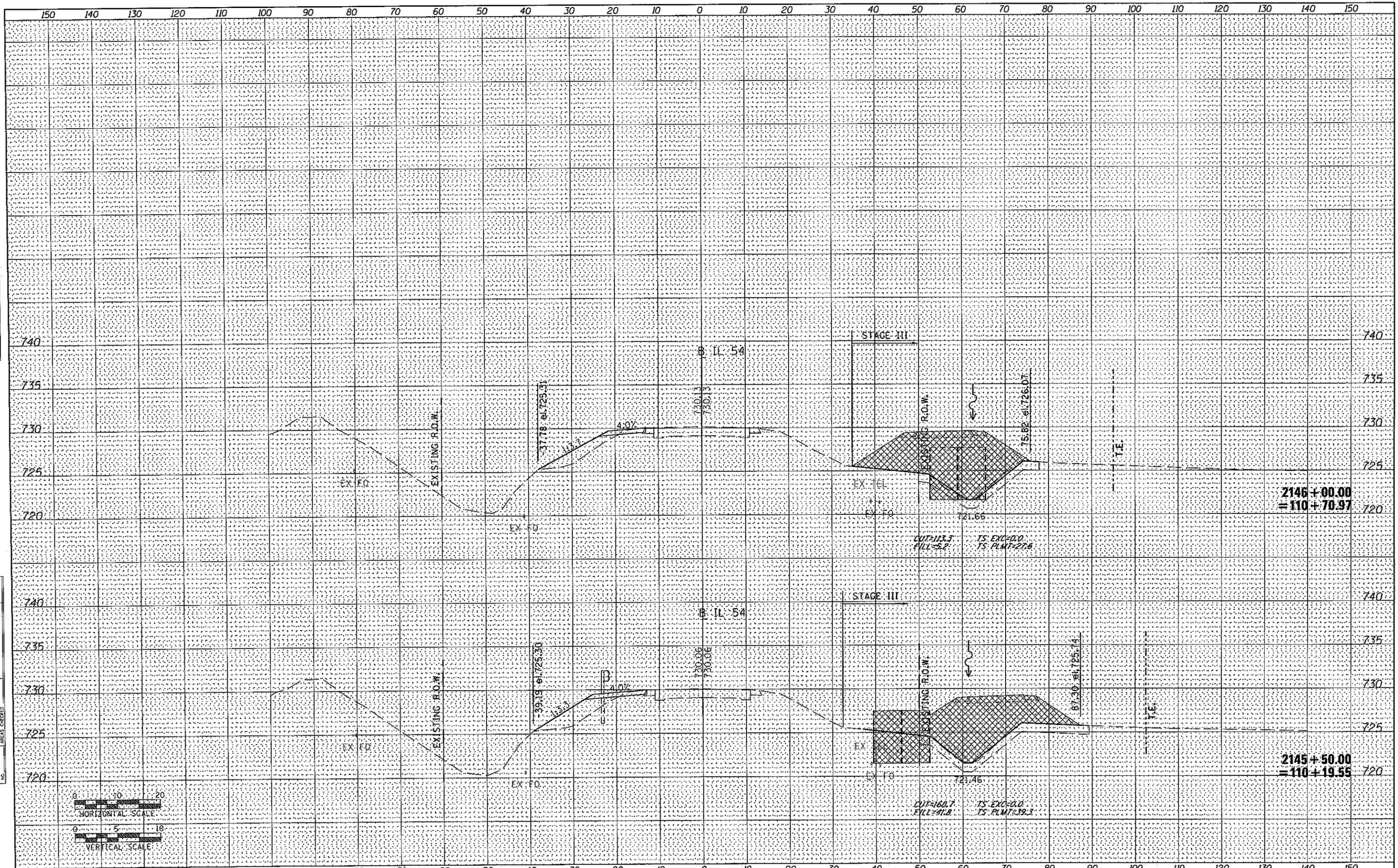
IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 2144+50.00 TO STA. 2145+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-118R-1)	DEWITT	76	63
CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	

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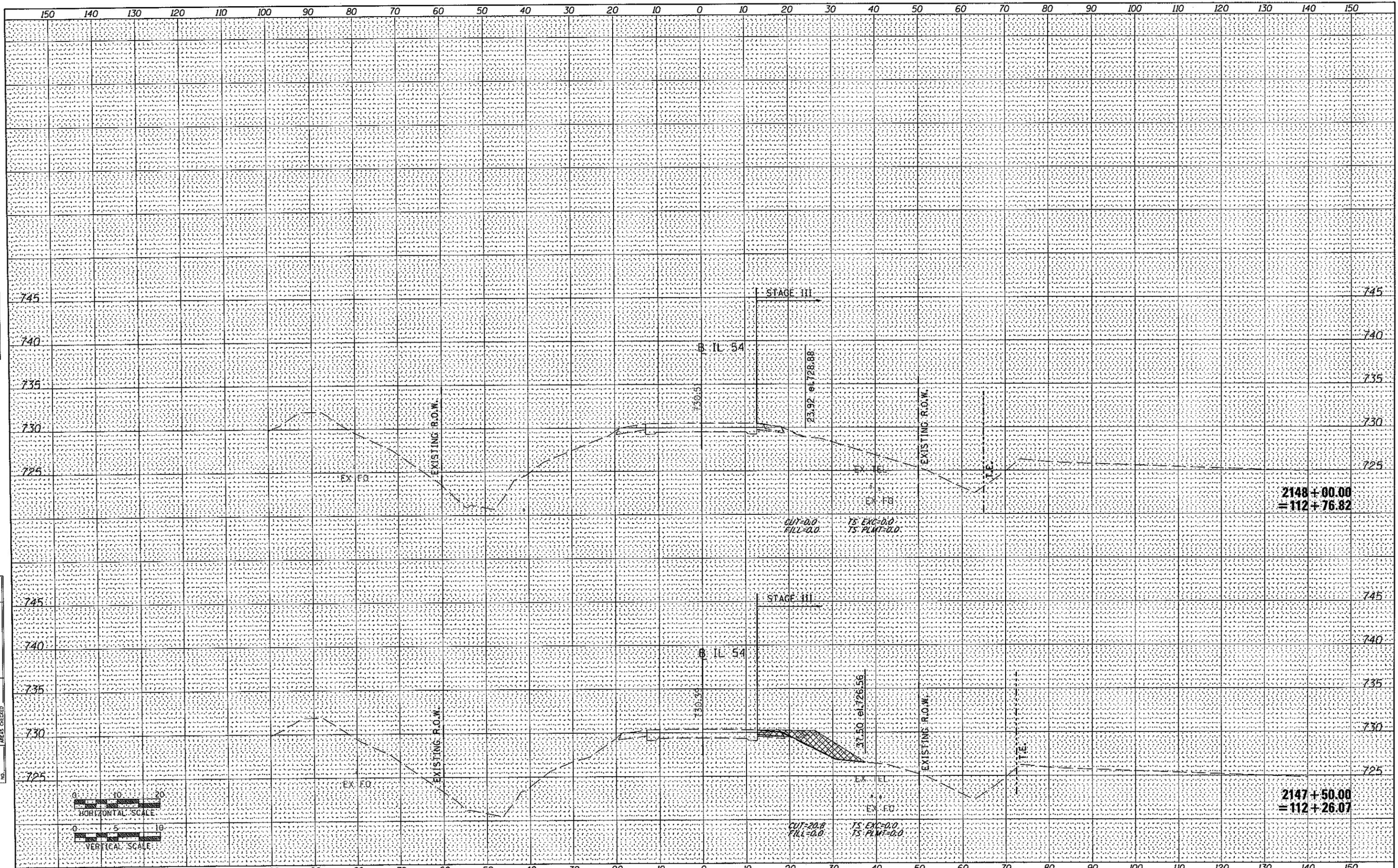
FILE NAME = D570271-sht-xssht-final grading.dgn
 USER NAME = williams
 PLOT SCALE = 20,0000' / IN.
 PLOT DATE = 12/1/2010

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

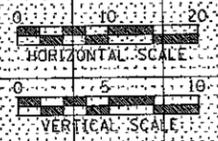
IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS
 SCALE: SHEET NO. OF SHEETS STA. 2145+50.00 TO STA. 2146+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(158-1)BR-1	DEWITT	76	64
CONTRACT NO. 70271			ILLINOIS FED. AID PROJECT	



DATE	
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FINAL SURVEY	
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PLOTTED	
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ORIGINAL SURVEY	
REVISIONS	
PLOTTED	
NOTE BOOK	
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FILE NAME = D570271-sht-xssht-final grading.dgn
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 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 12/1/2010

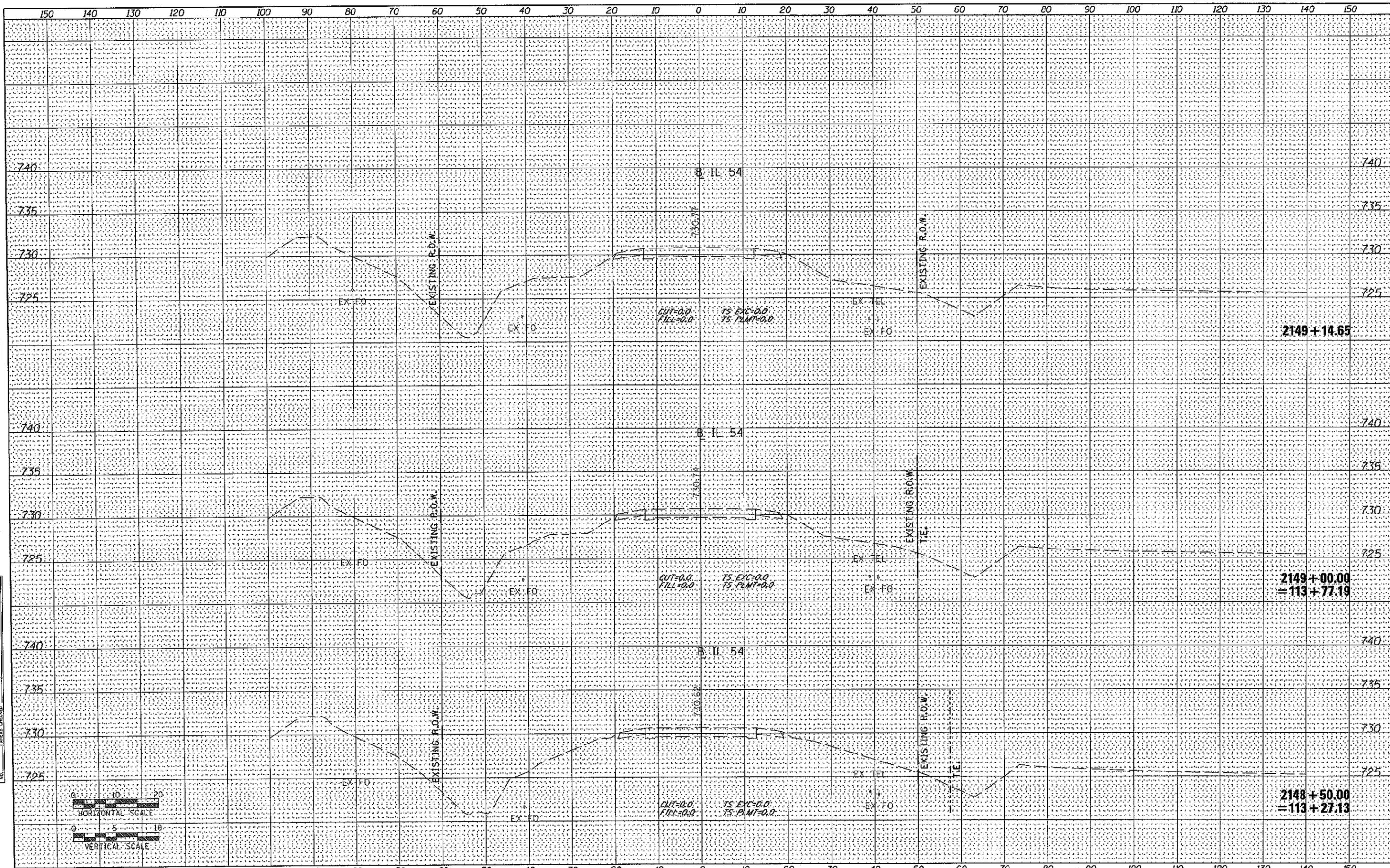
DESIGNED -	REVISED -
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CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS

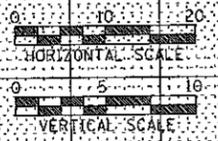
SCALE: SHEET NO. OF SHEETS STA. 2147+50.00 TO STA. 2148+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(158-1)BR-1	DEWITT	76	66
				CONTRACT NO. 70271
ILLINOIS FED. AID PROJECT				



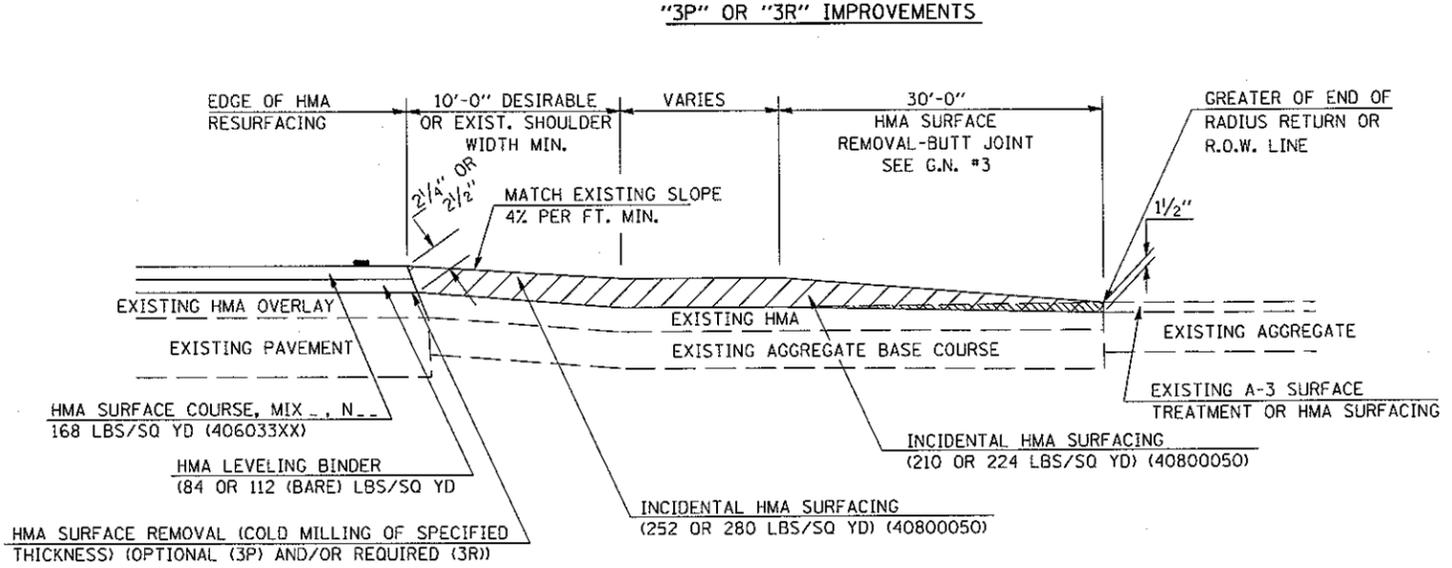
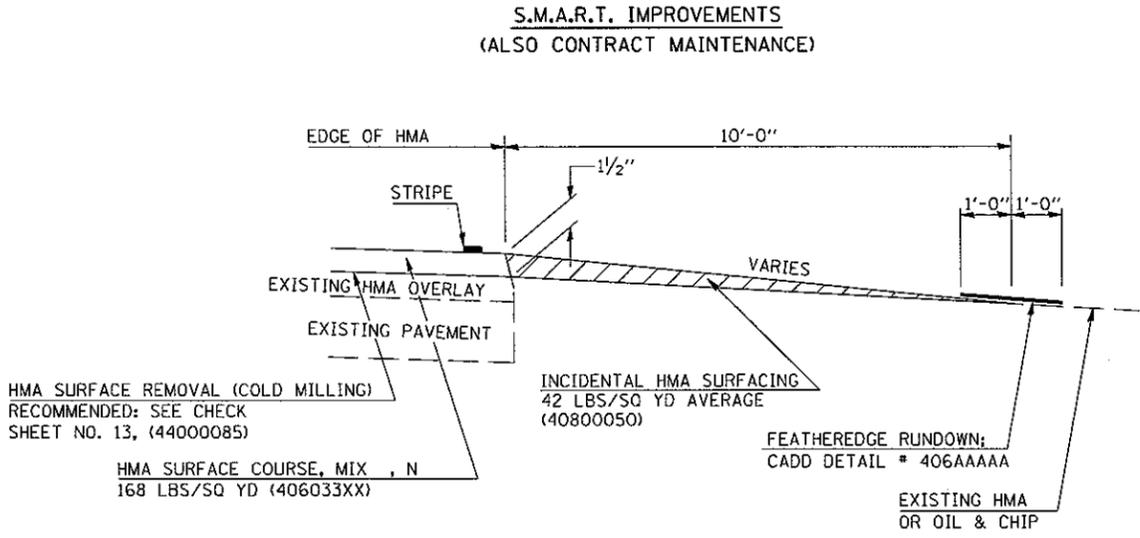
DATE	
BY	
FINAL SURVEY	
CURVES PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

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

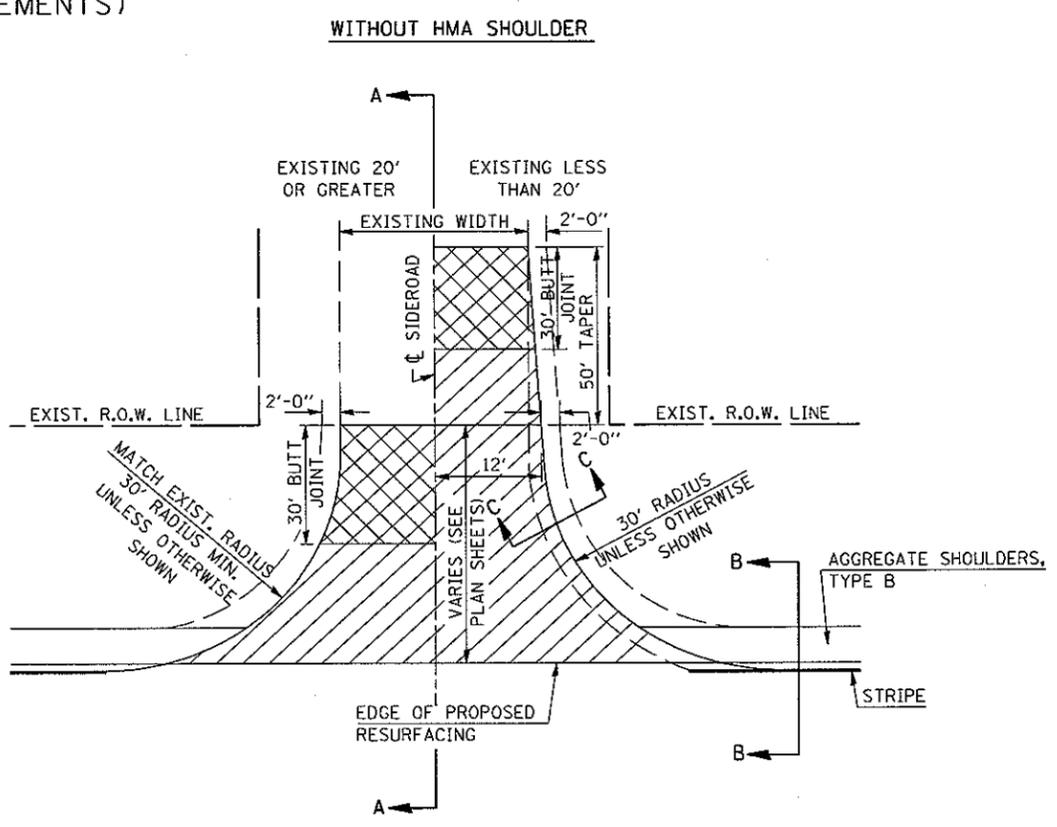
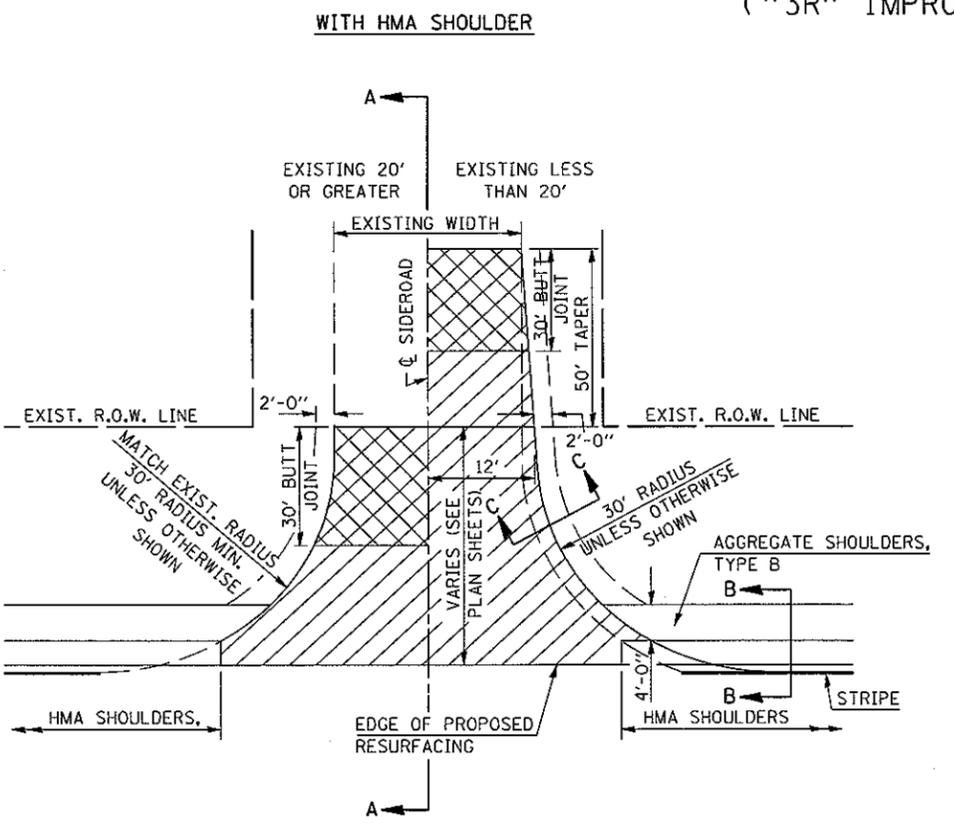


FILE NAME = D570271-sht-ssht-final grading.dgn	USER NAME = wlewis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 54 OVER COON CREEK FINAL GRADING CROSS SECTIONS	F.A.P. RTE. 71	SECTION (158-1BR-1)	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 67		
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. 2148+50.00 TO STA. 2149+14.65	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 12/1/2010	DATE -	REVISED -									
..D570271-sht-ssht-final grading.dgn 12/1/2010 2:07:50 PM												

PROJECTS WITHOUT RECONSTRUCTION



PROJECTS WITH RECONSTRUCTION ("3R" IMPROVEMENTS)



GENERAL NOTES

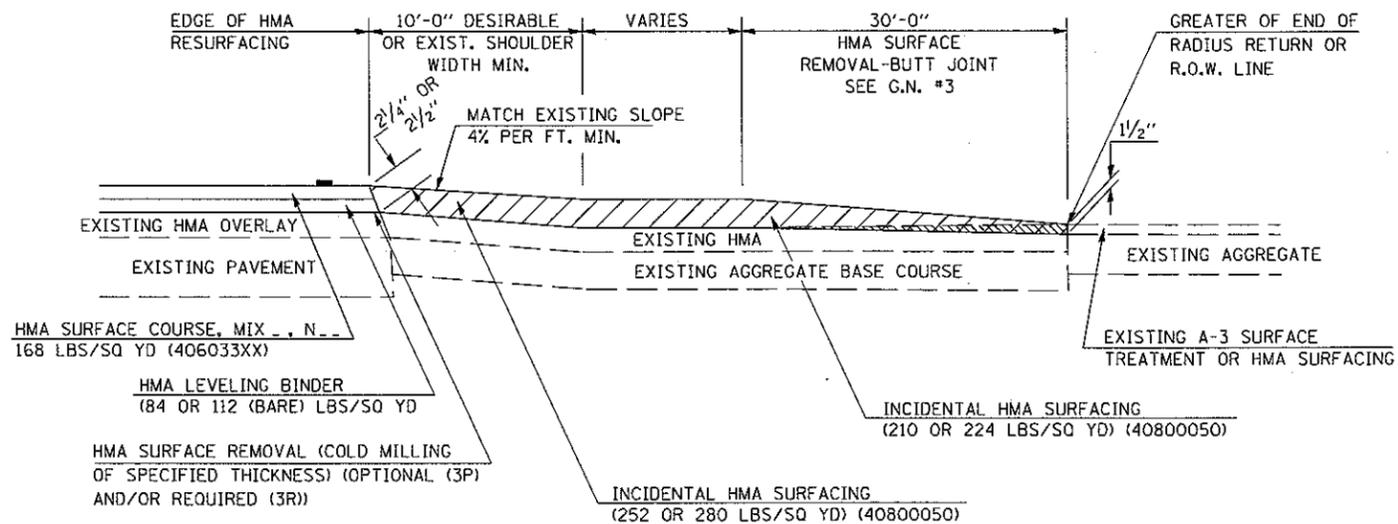
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

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

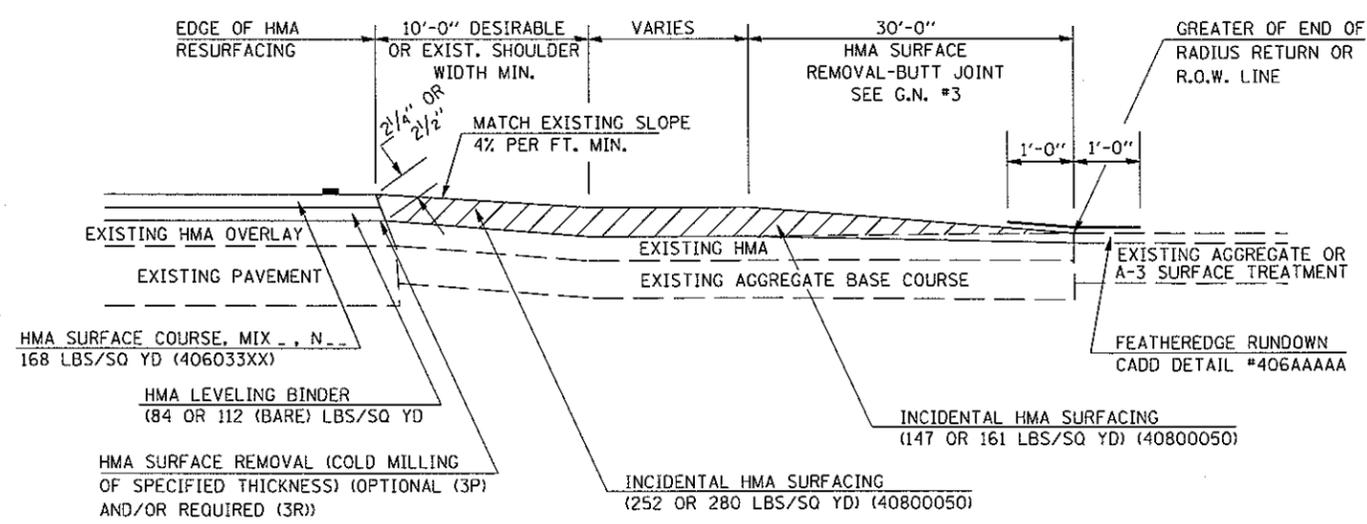
DISTRICT 5 DETAIL NO. 408000AA

FILE NAME = S:\237\2809\2370\005\05 Ph 1-II Var-Var\2370\005A\DOT\ILL54\conCreek\CADD\CADD SHEET\071-sht-D5Std.dgn	USER NAME = willis	DESIGNED -	REVISED - 12/13/06 TJB	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEROADS & SIDESTREETS (RURAL)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 48.0000' / IN.	CHECKED -	REVISED - 09/21/07 KAG	71			(15B-1BR-1)	DEWITT	76	68	
PLOT DATE = 11/16/2010	DATE -	REVISED - 12/21/09 KJT	CONTRACT NO. 70271							
			SCALE: NA			SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

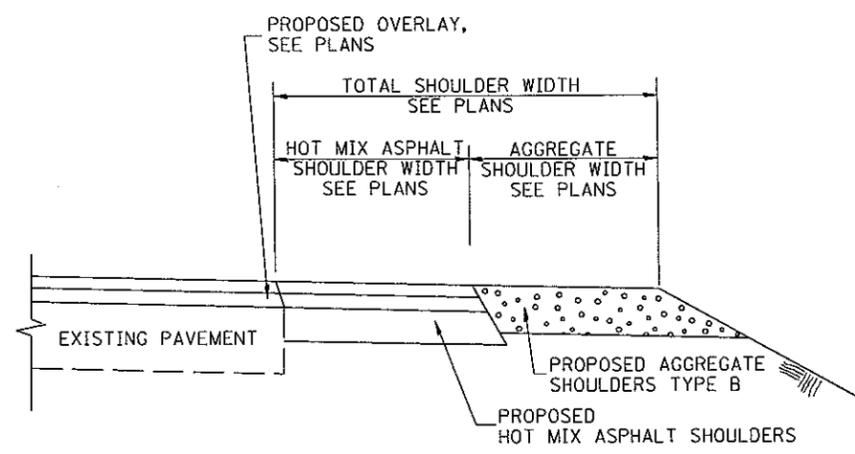
SECTION A-A
EXISTING HMA OR PCC SIDEROAD (>400 ADT)



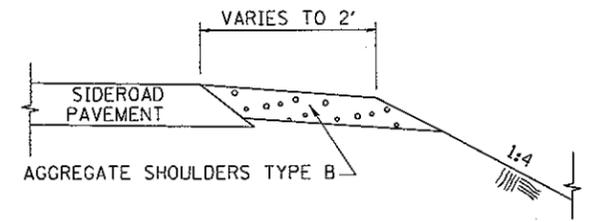
SECTION A-A
EXISTING AGGREGATE OR SEAL COAT SIDEROAD (<400 ADT)



RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)									
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance		
	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "feathered edge rundown" as shown in district cadd detail 406AAAAA					
RADIUS (FT)	30	30							
SHOULDER WIDTH (FT)	4	8	10						
SHOULDER SLOPE (%)	2	4	12						
ENTRANCE GRADE (%)	1	1 to 4	4						
BREAKOVER (%)	0	5	10						
SIDE SLOPE	1:10	1:6	1:4						
INTERSECTION ANGLE	60	75 to 90							
SURFACE TYPE									
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge		
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base					
PCC PAVEMENT (INCH)		8							



SECTION B-B
MAINLINE SHOULDER TREATMENT

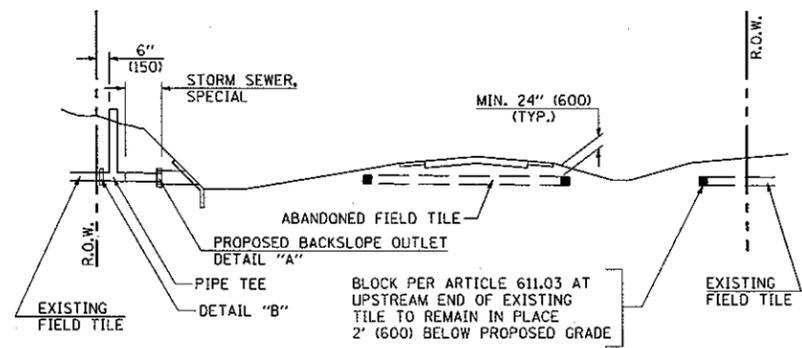


SECTION C-C
SIDEROAD SHOULDER TREATMENT

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

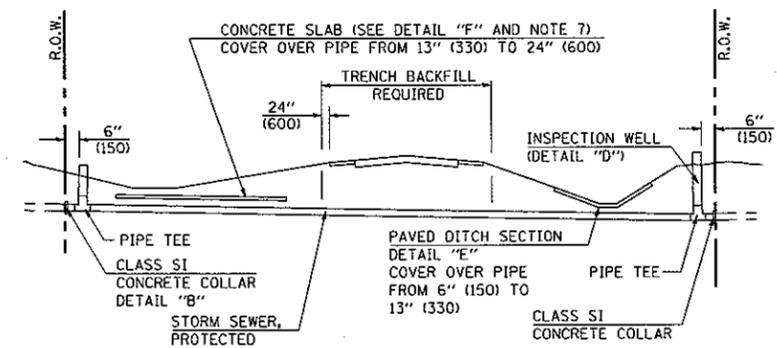
DISTRICT 5 DETAIL NO. 408000AA

FILE NAME =	USER NAME = willis	DESIGNED -	REVISED - 12/13/06 TJB	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEROADS & SIDESTREETS (RURAL)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5\237\2009\2370900505 Ph. 1-11 Ver-Yar	23709005A WDHL54CoonCreek\CAD\CADD Sheet	DRAWN -	REVISED - 09/21/07 KAG			71	(15B-1BR-1)	DEWITT	76	69
PLOT SCALE = 40,0000' / IN.	DATE = 11/16/2010	CHECKED -	REVISED - 12/21/09 KJT			CONTRACT NO. 70271				
PLOT DATE = 11/16/2010		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



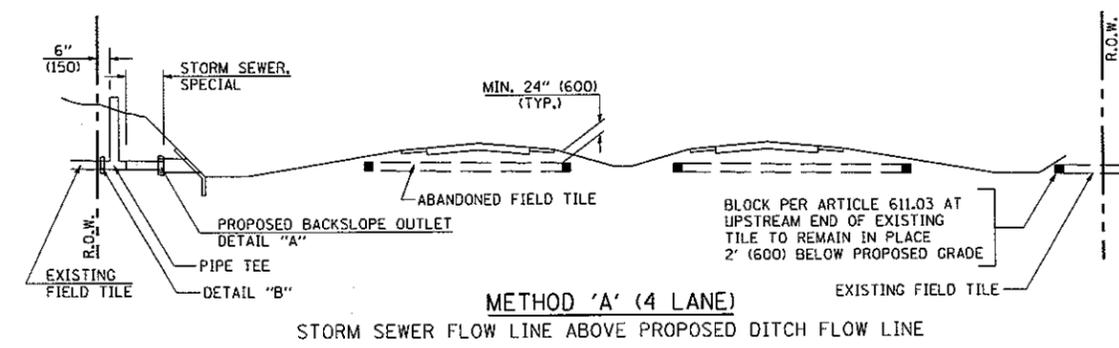
METHOD 'A' (2 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



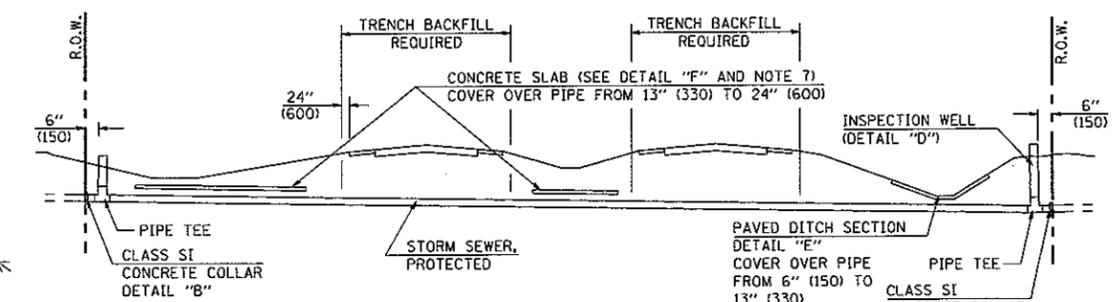
METHOD 'B' (2 LANE)

STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH



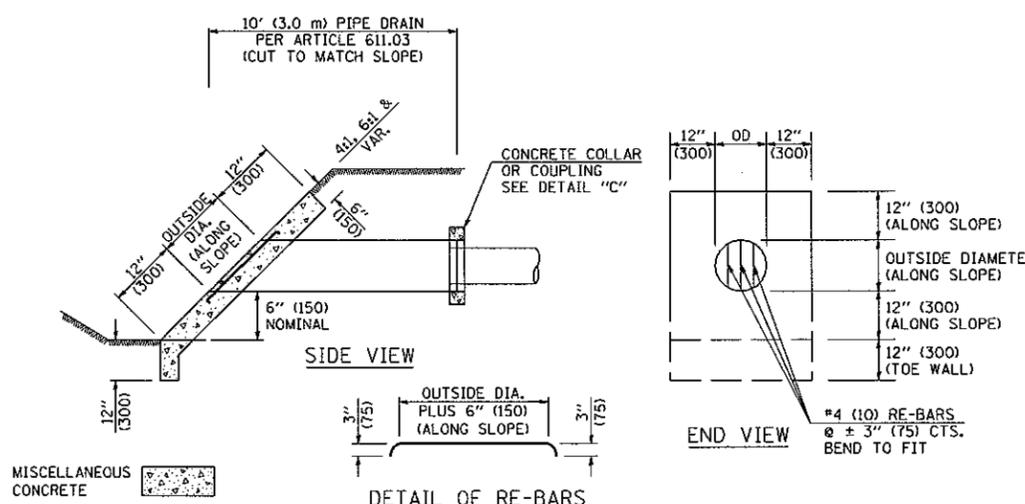
METHOD 'A' (4 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

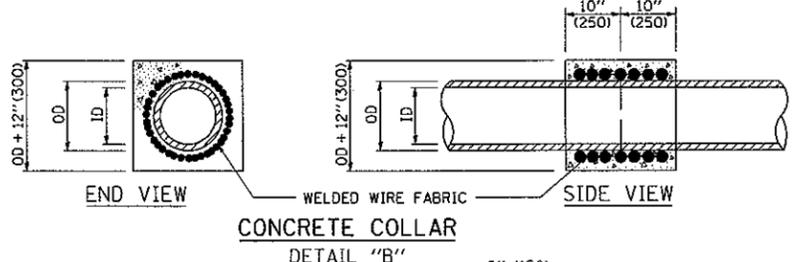


METHOD 'B' (4 LANE)

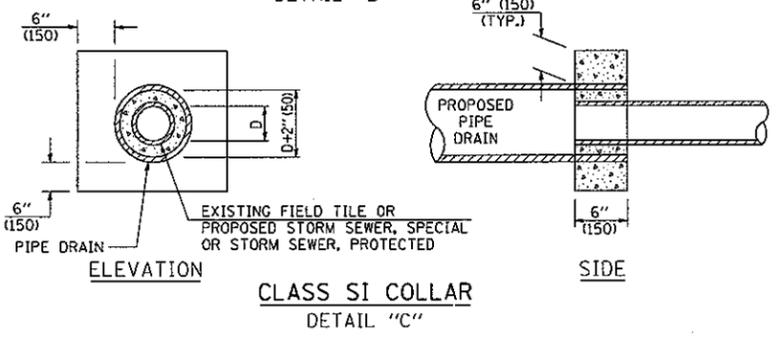
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"



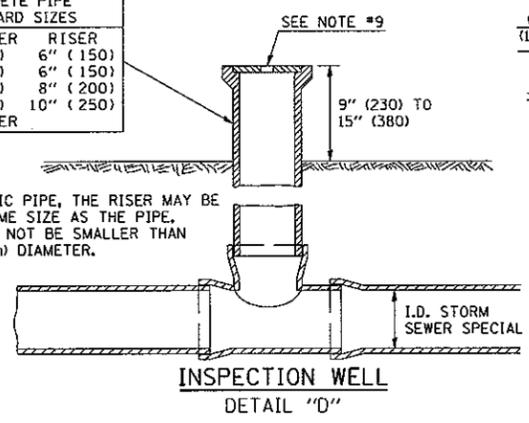
CONCRETE COLLAR
DETAIL "B"



CLASS SI COLLAR
DETAIL "C"

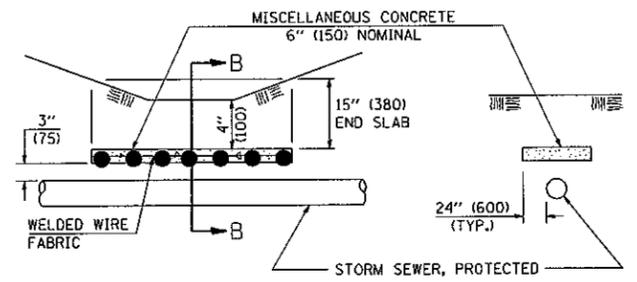
CONCRETE PIPE STANDARD SIZES	
STORM SEWER	RISER
6" (150)	6" (150)
8" (200)	6" (150)
10" (250)	8" (200)
12" (300)	10" (250)
OR GREATER	

FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



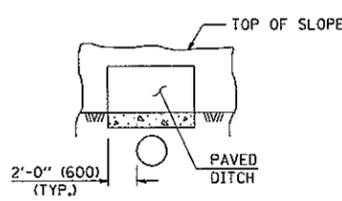
GENERAL NOTES

- EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
- ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
- INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" (150 mm) INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
- EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH FLOWABLE GROUT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWER, SPECIAL OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE MINIMUM DEPTH OF COVER.
- THE 6" (150 mm) CONCRETE SLAB OR DITCH LINING SHALL BE POURED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2' (600 mm) OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
- ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
- HEADWALL FOR BACKSLOPE OUTLET MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 10" (250 mm). SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
- THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" (10 mm) CAST IRON AND PROVIDED WITH A 1" (25 mm) DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.

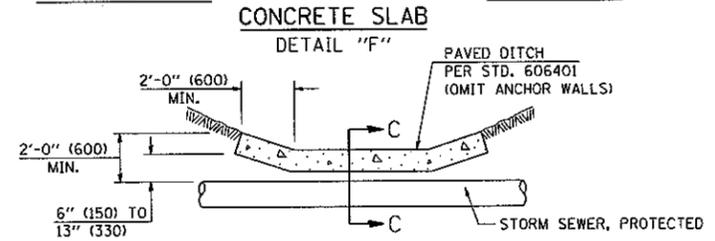


SLAB ELEVATION

SECTION B-B



SECTION C-C
PAVED DITCH
DETAIL "E"



PAVED DITCH ELEVATION

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

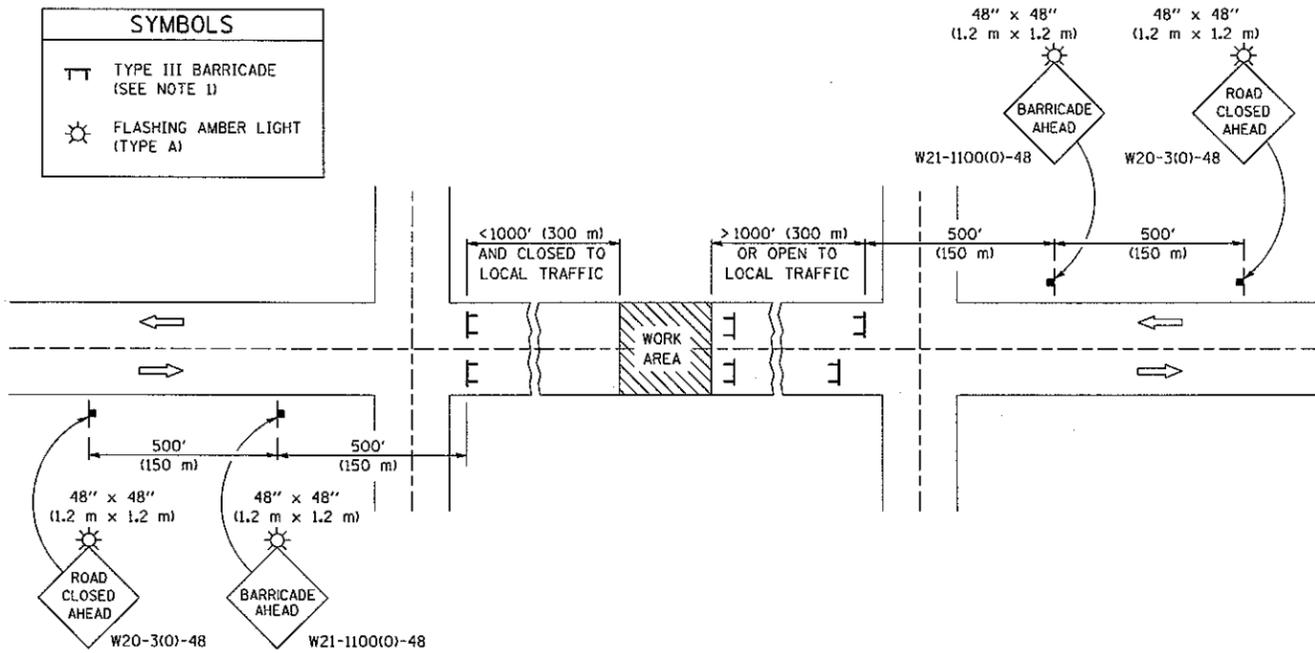
DISTRICT 5 DETAIL NO. 61101011A

FILE NAME =	USER NAME = vllwts	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIELD TILE SYSTEMS (TREATMENT OF EXISTING)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\237\2009\23709005\05 Ph I-II Var-Var\23709005A W01L54CoonCreek\CADD\CADD Sheet\DWG\271-shr-D5Std_2.dgn	PLDT SCALE = 40.0000' / IN.	CHECKED -	REVISED -			71	(15B-1)BR-1	DEWITT	76	70	
PLDT DATE = 11/16/2010	DATE -	REVISED -	REVISED -			CONTRACT NO. 70271					
		REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

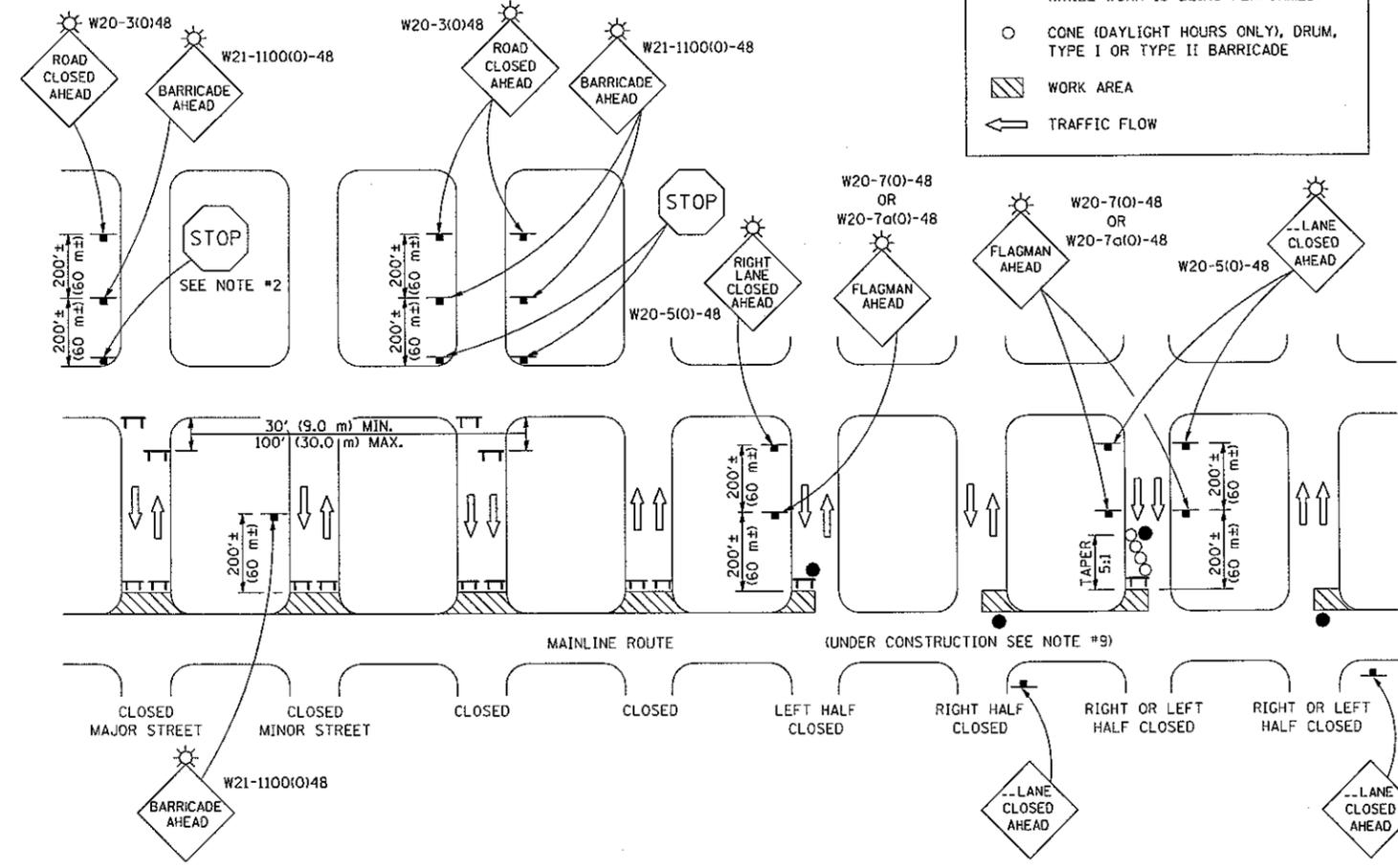
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS INVOLVING THE RECONSTRUCTION OF ALL APPLICABLE SIDE STREETS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

DISTRICT 5 DETAIL NO. 7020000

FILE NAME =	USER NAME = williams	DESIGNED -	REVISED - 11/06
S:\237\2009\23709005105 Ph 1-11 Var-Ver-23709005A W01(154CoonCreek)\CADD\CADD Sheets\DRAWING\21-shd-D55td_3.dgn		CHECKED -	REVISED - 12/07
PLOT SCALE = 40.0000 / IN.		DATE -	REVISED -
PLOT DATE = 11/16/2010			

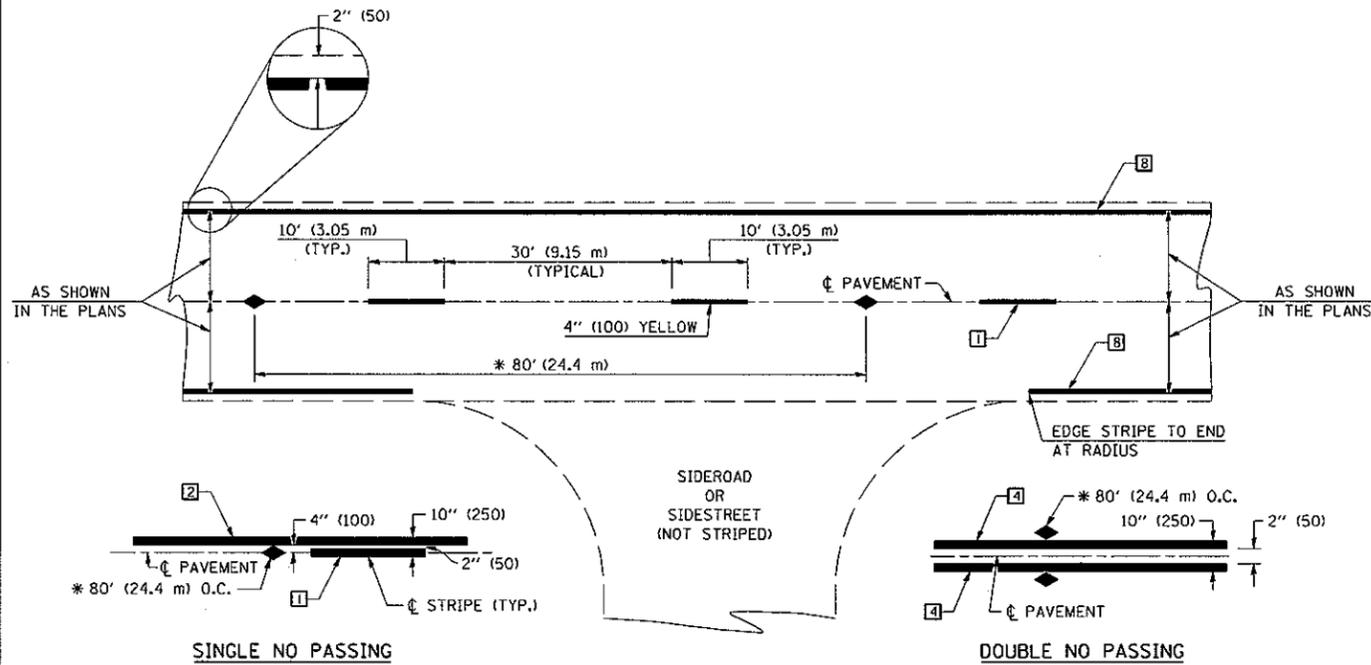
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1)BR-1	DEWITT	76	71
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 70271



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

TWO LANE/TWO WAY

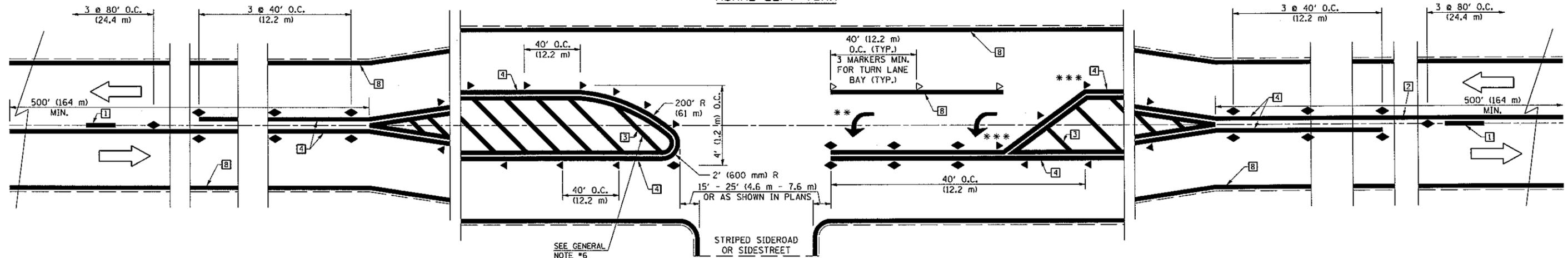
TYPICAL PAVEMENT MARKING LEGEND

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

TYPICAL PAVEMENT MARKERS LEGEND

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

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

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

DISTRICT 5 DETAIL NO. 7800AAAA

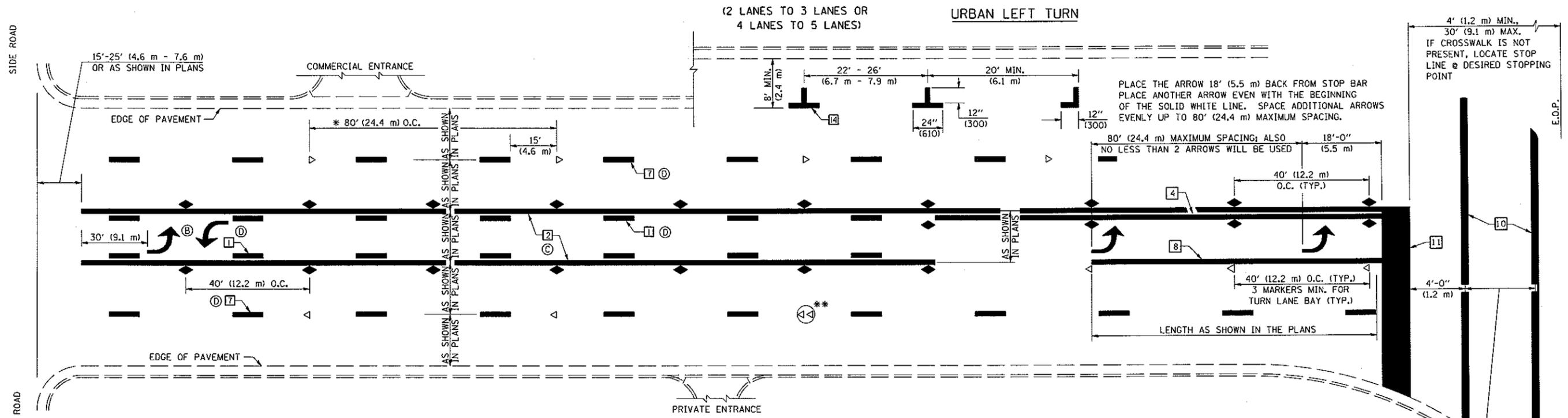
FILE NAME =	USER NAME = wlewis	DESIGNED -	REVISED - 11/06
S:\237\2009\23709005405 Ph I-II Var-Var\23709005A W0NHL54CoonCreek\VCADD\CADD Sheet\DRWING\71-sht-D5Std.4.dgn	23709005A W0NHL54CoonCreek\VCADD\CADD Sheet\DRWING\71-sht-D5Std.4.dgn	CHECKED -	REVISED -
PLOT SCALE = 48.0000' / IN.		DATE -	REVISED -
PLOT DATE = 11/16/2010			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

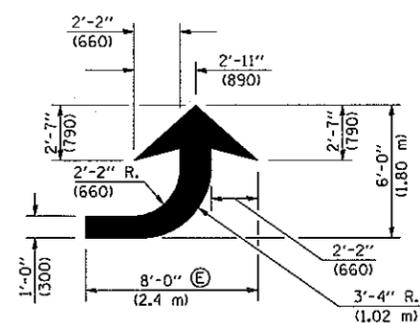
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1BR-1)	DEWITT	76	72
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70271	



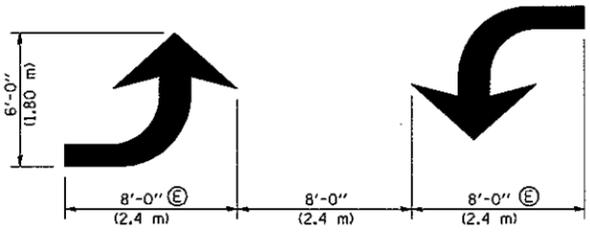
* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

- GENERAL NOTES:**
- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
 - (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
 - (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
 - (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)

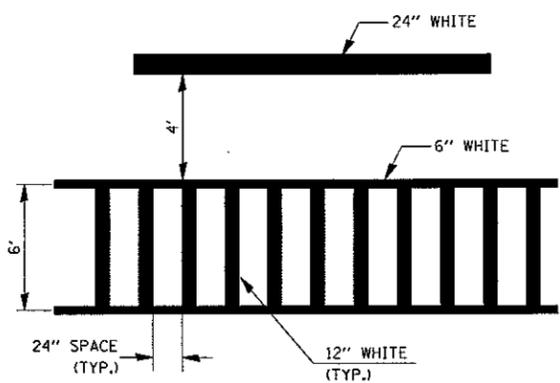


LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)

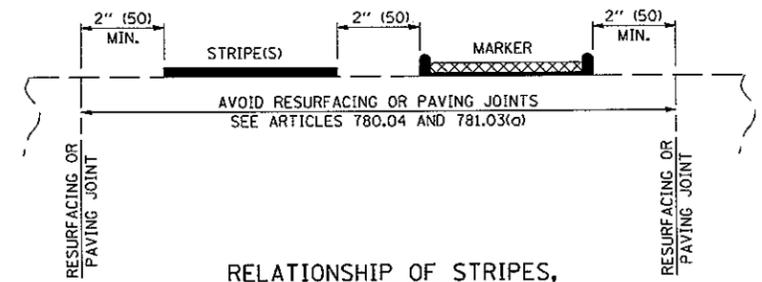


TYPICAL DOUBLE TURN ARROWS (WHITE)

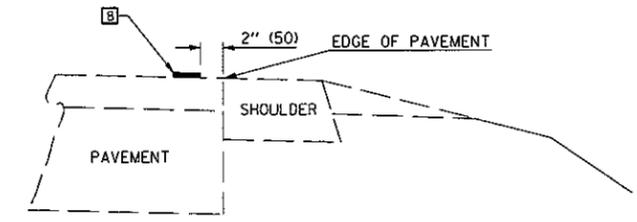
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



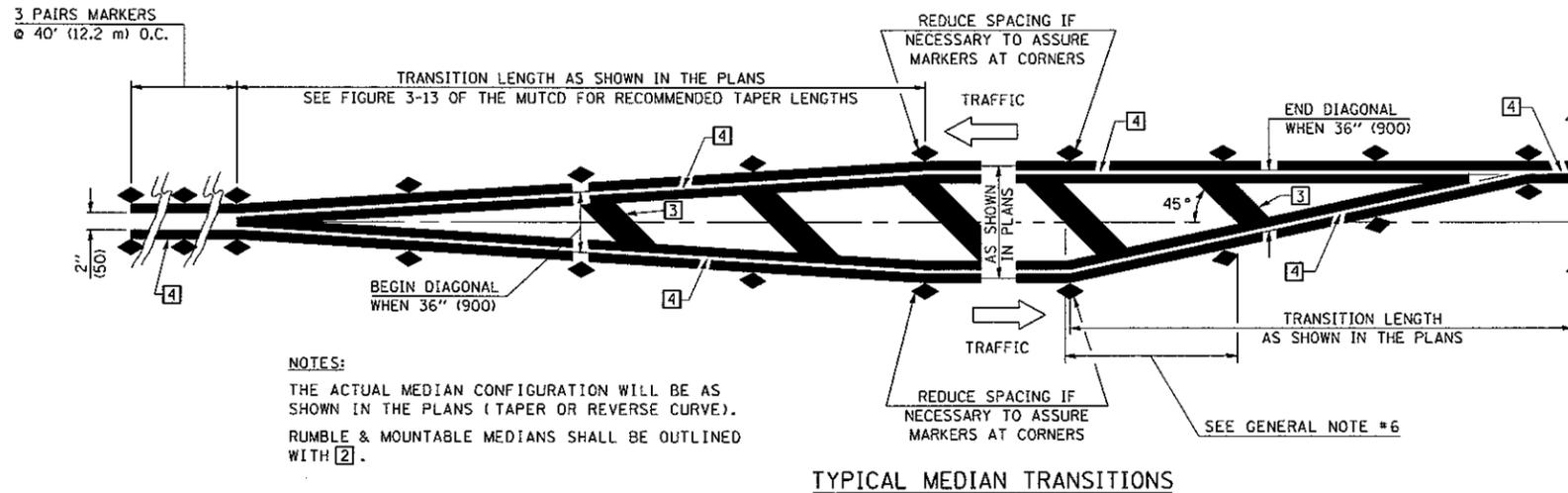
RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT
(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

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

FILE NAME =	USER NAME = wlewis	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
S:\237\2009\23709005\05 Ph 1-11 Var-Var\23709005A W01K154CoonCreek\CADD\CADD Sheet\DRAWING\271-shd-D5Std_4.dgn	PLOT SCALE = 40.0000 / IN.	CHECKED -	REVISED -			71	(15B-1BR-1)	DEWITT	76	73	
PLOT DATE = 11/16/2010	DATE -	REVISED -	REVISED -			CONTRACT NO. 70271					
		REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

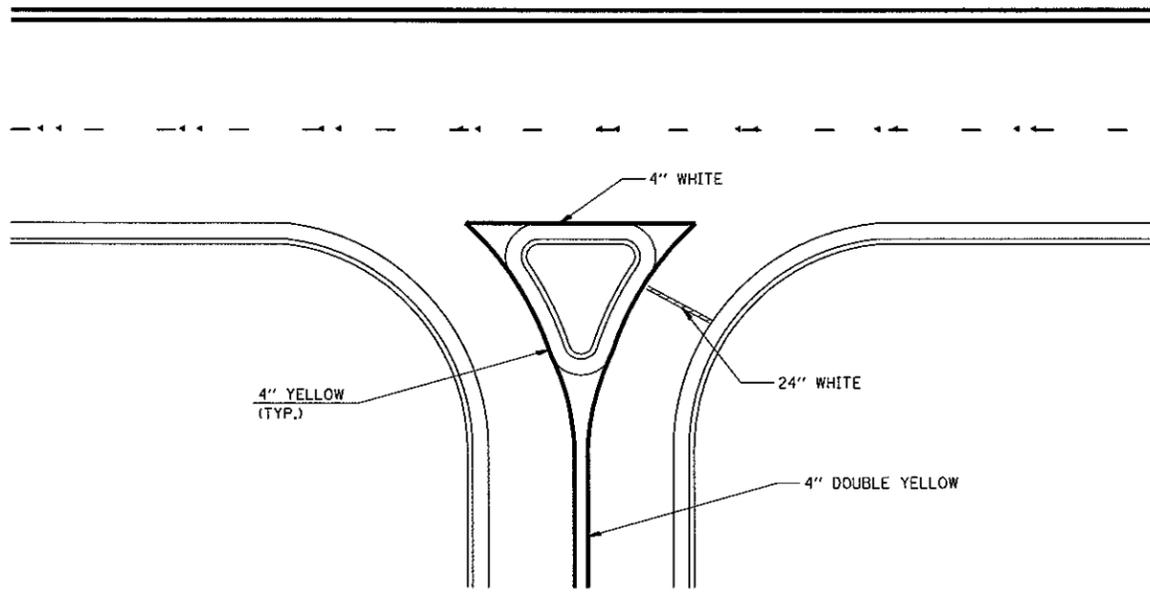


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

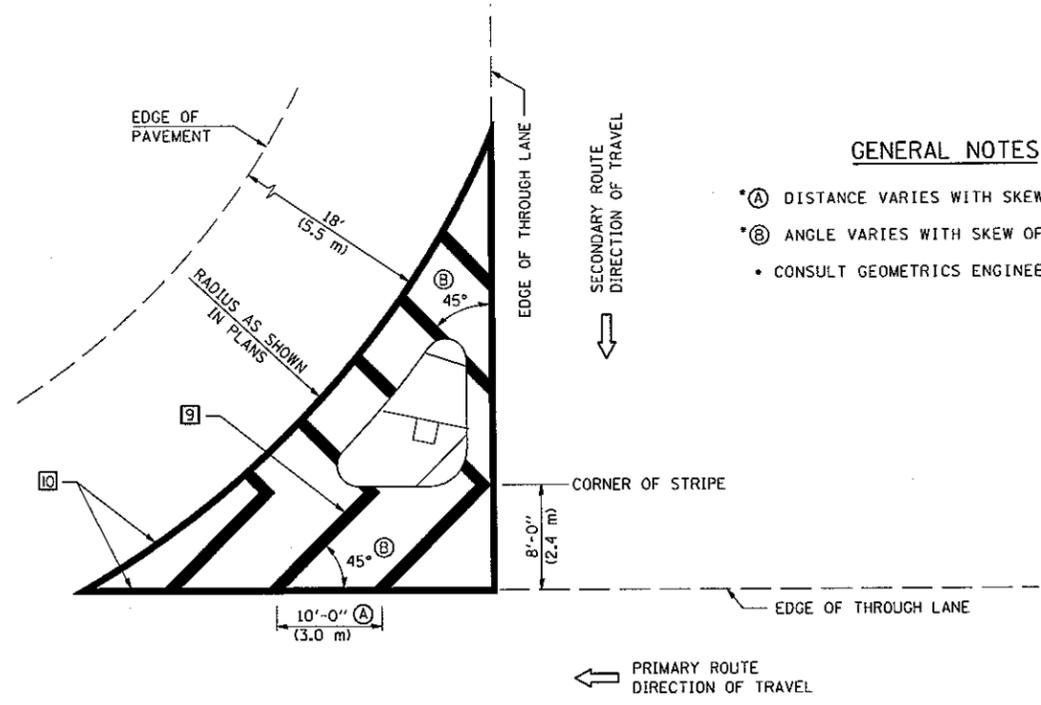
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

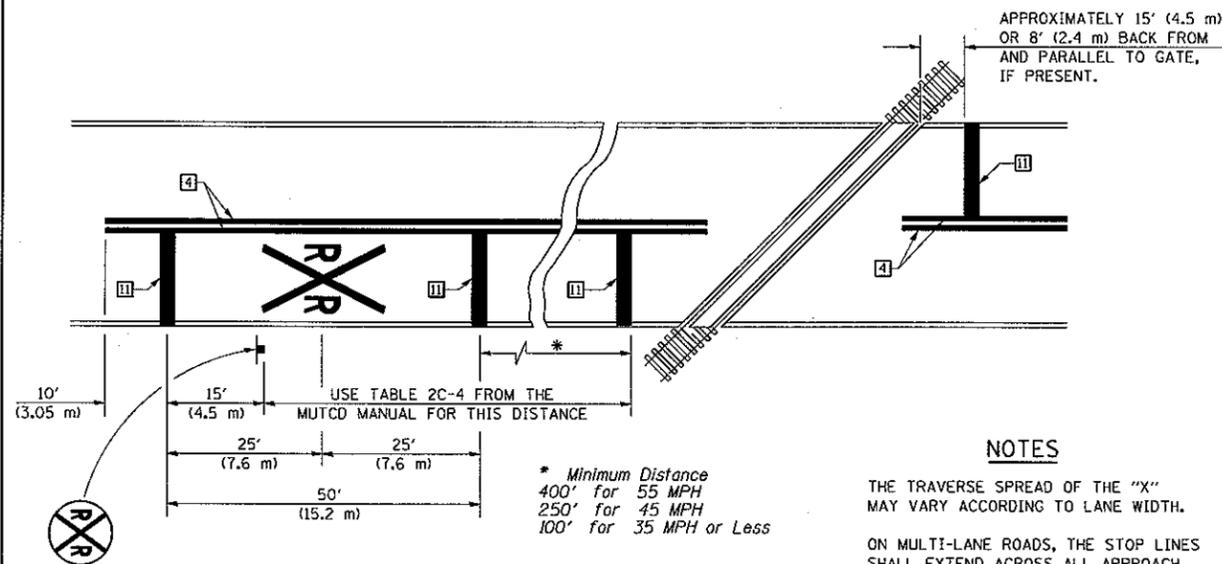
- *A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- *B ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

ISLAND

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

DISTRICT 5 DETAIL NO. 7800AAAA

FILE NAME = S:\237\2009\23709005105 Ph I-II Var-Vor\23709005A W01\154Coo\Creek\CADD\CADD Sheet\DWG\271-sht-D5Std_4.dgn	USER NAME = willis	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)		F.A.P. RTE. 71	SECTION (15B-1BR-1)	COUNTY DEWITT	TOTAL SHEETS 76	SHEET NO. 74	
PLOT SCALE = 40,0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE:	SHEET NO. 3 OF 4 SHEETS	STA.	TO STA.	CONTRACT NO. 70271			
PLOT DATE = 11/16/2010	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

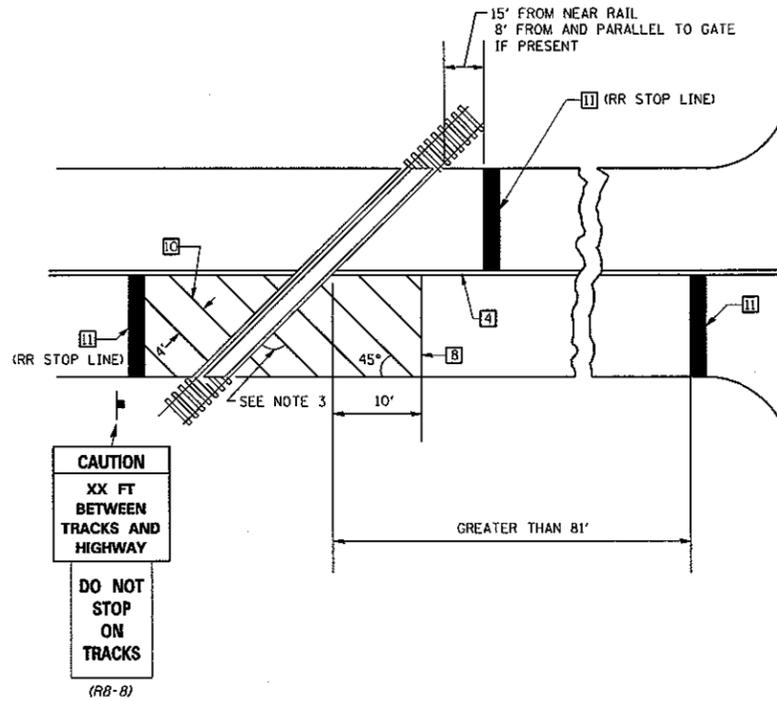
NOTES

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

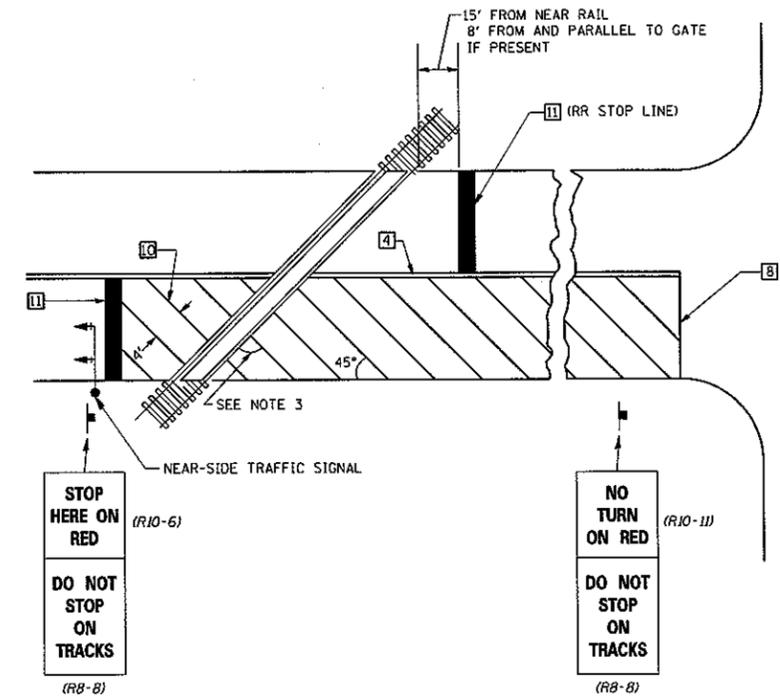
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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

RAILROAD CROSSING WITH INTERCONNECT ONLY



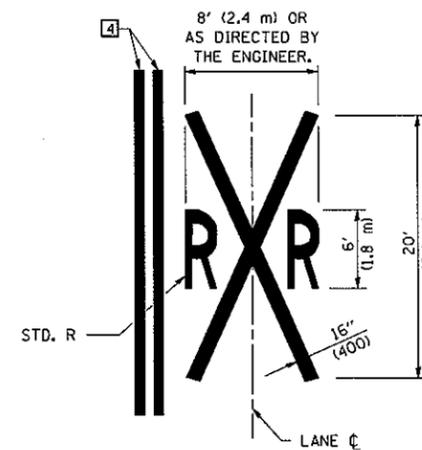
RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



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

FILE NAME =	USER NAME = willis	DESIGNED -	REVISED - 11/06
S:\237\2009\23709005\05 Ph 1-11 Year-Year	23709005A W01\154CoonCreek\CADD\CADD Sheet	DRW	REVISED -
	PLOT SCALE = 40,0000 / IN.	CHECKED -	REVISED -
	PLOT DATE = 11/16/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

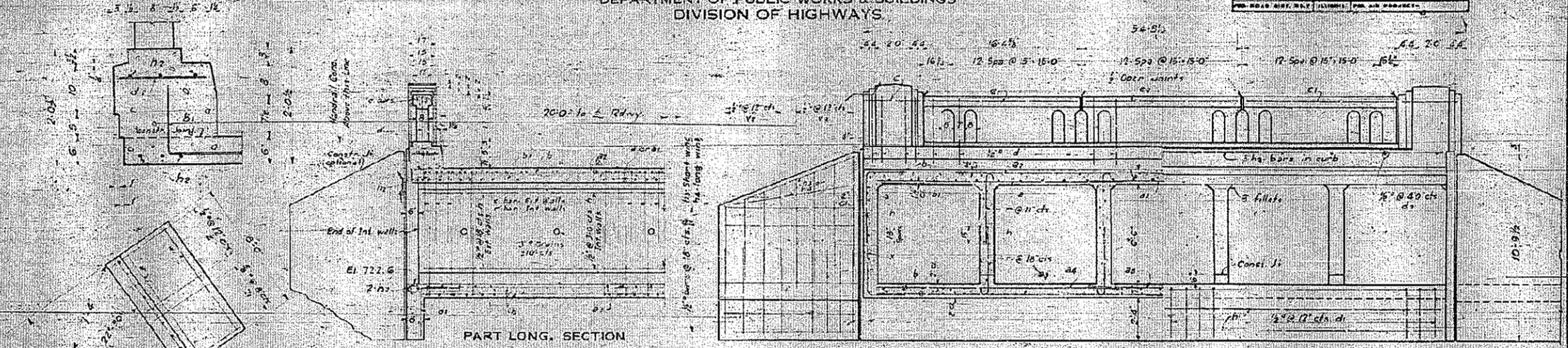
DISTRICT 5 DETAIL NO. 7800AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
71	(15B-1)BR-1	DEWITT	76	75
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70271	

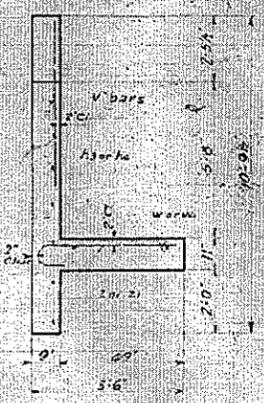
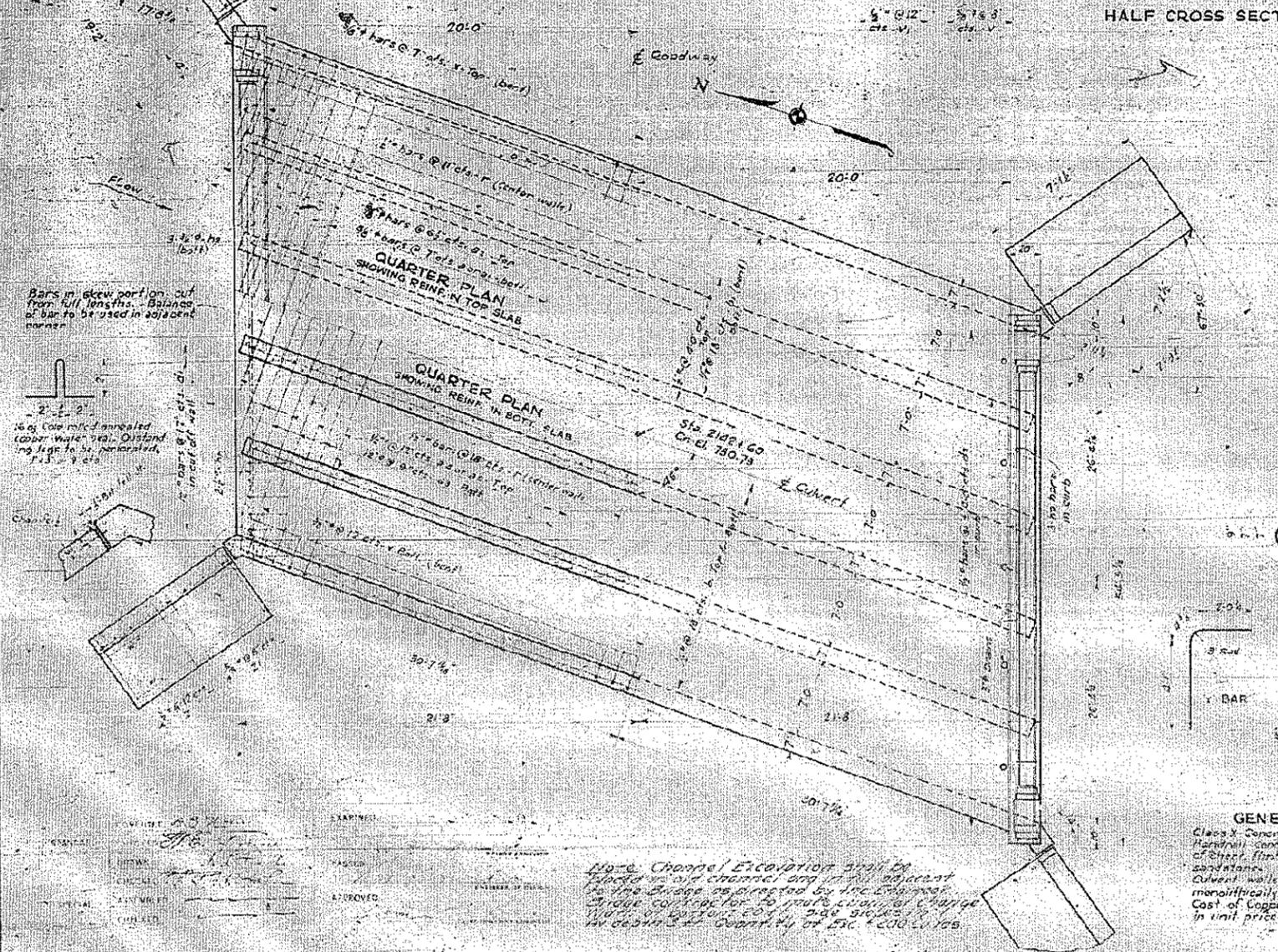
B.M. N. & W. MILE POST - LT. STA. 2142+46 - EL. 731.05
NO EXISTING STRUCTURE

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECTION	COUNTY	SHEET NO.
168-1	DEWITT	4



HALF SOUTH ELEVATION



BAR	NO.	SIZE	LENGTH
a	102	3/8"	15'-6"
a1	102	"	23'-0"
a2	110	"	26'-9"
a3	155	1/2"	19'-3"
a4	59	"	14'-9"
a5	59	"	22'-3"
b	92	1/2"	3'-3"
b1	106	"	4'-3"
b2	28	"	1'-6"
c	8	"	3'-0"
c1	8	"	15'-0"
c2	4	"	14'-6"
d	44	"	31'-6"
d1	6	"	27'-6"
d2	32	3/8"	28'-6"
d3	12	1/2"	5'-9"
d4	14	"	17'-6"
e	112	"	30'-6"
e1	80	1/2"	31'-6"
f	42	3/8"	5'-9"
f1	24	1/2"	5'-9"
f2	25	"	4'-9"
f3	20	"	6'-0"
g	416	"	5'-0"
h	4	1/2"	6'-9"
h1	4	"	17'-6"
k	328	3/8"	6'-6"
l	34	1/2"	5'-9"
l1	62	3/8"	6'-0"

Class X Concrete Cuts 1.750
Handrail Concrete Cuts 0.3
Reinforcing steel lbs. 24,760
Channel Excavation Cuts 200.

GENERAL NOTES
Class X Concrete shall be used through out.
Handrail concrete must be absolutely free of steel, flint, amonite, lignite and soft sandstone.
Culvert walls and slab may be poured monolithically.
Cost of Copper Water Seal to be included in unit price bid for Class X Concrete.

MULTI-BOX CULVERT
PROJECT NO. 336 - REG. P.A.
F.A. ROUTE NO. 161 - SEC. 15-B1
DEWITT COUNTY
STA. 2142+80

SHOWN FOR INFORMATION ONLY