1-17-14 LETTING ITEM 030

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	1
	ILLINOIS	CONTRACT NO. 64F74		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAP 650 (IL 78) & FAS 74 (CANYON ROAD)
SECTION 104T-3
PROJECT : *ACF-ACRS-0005(952)*
REMOVAL & REPLACEMENT OF CONCRETE BOX CULVERTS ALONG IL 78 AND CANYON ROAD
JODAVIESS COUNTY

C-92-035-13

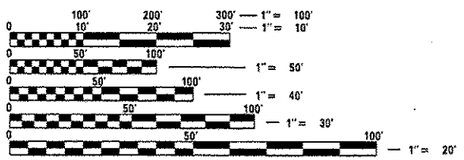
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARD, SEE SHEET NO. 2

RUSH TOWNSHIP
SECTION 2,11,24

NORA TOWNSHIP
SECTION 19

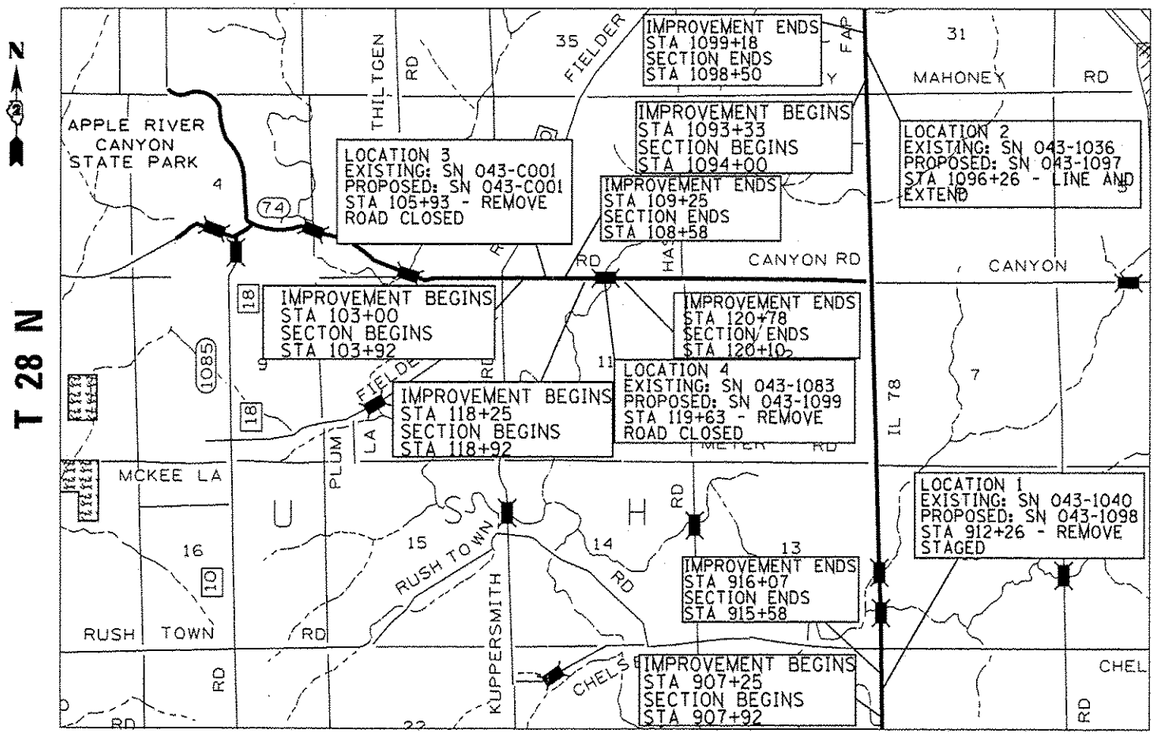
WARREN TOWNSHIP
SECTION 31,36

LOCATION	GROSS LENGTH (FT)	NET LENGTH (FT)
1	700	700
2	500	500
3	600	600
4	252	252
TOTAL	2052	2052



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



GROSS LENGTH = 2052 FT. = 0.39 MILE
NET LENGTH = 2052 FT. = 0.39 MILE

D-92-013-10

LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 11 20 13
Paul A. Kotte
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
Dec 6 20 13
John D. Baranzelli, P.E. /BL
acting ENGINEER OF DESIGN AND ENVIRONMENT
Dec 6 20 13
Omer Osman, P.E. /BL
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

DISTRICT 2, DIXON

SQUAD ENGINEER: SARA GUZZARDO PHONE# (815) 284-5938
PROJECT ENGINEER: MASOOD AHMAD SENIOR SQUAD ENGINEER SAMEER ABDULLAH

CONTRACT NO. 64F74

INDEX OF SHEETS AND STATE STANDARDS

INDEX OF SHEETS

STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
542001-04	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 84" IN DIAMETER
542006-01	MULTIPLE CONCRETE END SECTIONS FOR PIPE CULVERTS 15" TO 84" IN DIAMETER
542011	CONCRETE END SECTIONS FOR ELLIPTICAL PIPE CULVERTS 15" TO 72" IN DIAMETER
542311-05	TRANSVERSABLE PIPE GRATE
542401-01	METAL END SECTION FOR PIPE CULVERTS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602421-04	MANHOLE - TYPE A 9FT DIAMETER
602601-03	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
630001-10	STEEL PLATE BEAM GUARDRAIL
630101-09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNT DETAILS
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701321-13	CLOSURE 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS>45MPH
701901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-04	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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	PLOT DATE = Thu Oct 10 13:57:57 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS /STATE STANDARDS
IL 78 & CANYON RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	2
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

See cross sections for special ditches and backslopes.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Previously pugmilled stockpiles of "Type A" older than 1 month will not be approved for use until a moisture check is run to verify moisture content. Material shipped to projects without being tested will not be accepted.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. Impervious material shall be used on the outer 3 feet of each end of the culvert. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved or other unit price item of the work for which it is required.

All "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses equal to or less than 12 inches shall be constructed of aggregate of CA02 gradation. All aggregate subgrade thicknesses greater than 12 inches shall be constructed of CS02.

Class C Patches shall be tied to the adjacent lane when the patches are more than 20 feet. The cost of the tie bars shall be included in the cost of the patch.

The minimum patch dimension for full-depth patches will be as shown on State Standard 442201.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The following Mixture Requirements are applicable for this project:

N50 **For ESALS: 0.3 to 3**

Mixture Uses(s):	Surface	Level Binder	Top Shoulder	Bottom Shoulder
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0 @ N50	4.0 @ N50	3 @ N50	2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5	IL 9.5 FG*	IL 9.5, 9.5 FG	BAM or IL 19.0
Friction Aggregate	C	N/A	C	N/A
20 Year ESAL	0.8	0.8	N/A	N/A
Mix Unit Weight	112 lbs/sy/in		112 lbs/sy/in	

* On projects with less than 2000 tons Level Binder, Growth Curve will be used for Density and IL 9.5 may be used

Low Volume N30 (N30 replacement) **For ESALS: 0 to 0.3**

Mixture Uses(s):	Surface	Level Binder
PG:	PG 64-22	PG 64-22
Design Air Voids	3.0 @ N50	3.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5	IL 9.5 FG*
Friction Aggregate	C	N/A
20 Year ESAL	0.0	0.0
Mix Unit Weight	112 lbs/sy/in	

* On projects with less than 2000 tons Level Binder, Growth Curve will be used for Density and IL 9.5 may be used

The area to be primed shall be limited to that which can be covered with HMA on the next days productivity, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

Bituminous and Aggregate prime coat shall be placed in accordance with Section 406 of the Standard Specifications. The cost of the prime coats shall be included in the contract unit price per Ton for LEVELING BINDER (MACHINE METHOD) of the type specified.

A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.

The structure numbers are:

Old SN	New SN
043-1040	043-1098
043-1036	043-1097
043-1083	043-1099

The boring logs for this structure indicate that groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction area free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Precast Concrete Box Culverts.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

GENERAL NOTES

Box culverts that are stage constructed and undercut by more than 2 feet shall have lean concrete placed on the rock fill at the stage line. The concrete shall retain the rock fill until the second stage rock fill is placed. This work will be included in the pay item for the type of rock fill used.

A Precast Box Culvert is not an option on the project due to soil conditions.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18" wide.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

The new manhole lids on this project shall have the word "STORM" on the lid. The word to be used is noted on the plans. It will be the Contractor's responsibility to determine the word to be used on other lids not noted on the plans. No additional compensation will be allowed for this work.

All proposed manholes on this project shall be cast in place or precast. This work will be paid for at the contract unit price Each for MANHOLE of the type and size specified.

Where field tile is encountered, storm sewer or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 6" for Pipe Drains and 8" for Storm Sewer, but the size must be at least 2" larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way to connect the tile and storm sewer. See the Summary of Quantities for the estimated quantities.

The excavated materials from earth excavation widening, grading and shaping ditches, and excavating and grading shoulders shall be used to build up the shoulder throughout the job to conform with the typical sections and shoulder widening for terminals as shown on the plans.

Embankment quantities for the construction of the Traffic Barrier Terminals as shown in the plans are included in quantities for Furnished Excavation or Earth Excavation.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1 mile or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 4 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. Option 2 would be to install a vaulted style, monumented as described by NGS as a 3D monument (Top Security Sleeve Rod Monument), with installation instructions provided by the District Chief of Surveys. If poured in place, the bottom of the marker shall be 5'-0" below the ground surface.

The Permanent Survey Markers, if possible, shall be installed at the beginning of the job and protected throughout.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal coordinates must be derived by GPS and the elevation derived using an electronic level. The meta data, such as the Geoid used, (NGS adjustment ie: 97 HARN, 03, 07), and the base point(s) name or number shall be submitted along with a complete collection log. If collected using RTK method, it will require either 3 collections (averaged) from 2 different bases, or a minimum of 3 collections (averaged), at least 2 hours apart, from the same base. If using a CORS type network, the collection procedure shall include localizing with check shots on at least 2 different HARN monuments both before and after collection. The level circuit shall be run from furnished mark to furnished mark and then adjusted. The error of closure shall be submitted with the electronic level notes in a recognized format approved by the Engineer and/or the Chief of Surveys. The Engineer shall submit this information to the District Chief of Surveys.

The temporary concrete barrier shall be anchored to the pavement with 3 anchors per section on traffic side at the following locations:

Sta. 912+07 to Sta. 912+45 Stage I and Stage II

Right-of-way markers will be erected per Highway Standard 666001 with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 12 inches inside the new right-of-way line. Method of installation shall be approved by the Engineer.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Commonwealth Edison Co. (815/490-2869)	NICOR Gas Co. (630/983-8676)
Frontier Legacy (815/772-2078)	Windstream (630/925-4751)
Mediacom (630/365-0045)	iFiber

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Award Date + 100 days.

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

GENERAL NOTES

Temporary Impact Attenuators will be measured as each for each attenuator supplied on the job as specified in the plans, and shall include the cost of renting/owning the attenuator for the time required on the job plus hauling to and from the project site, as well as one placement and removal from the roadway. This shall be paid for at the contract unit price per Each for IMPACT ATTENUATORS, TEMPORARY of the type specified.

Relocate Temporary Impact Attenuators will be paid for as Each and will be paid for each time the attenuator is required by staging to be picked up and moved to a different location on the project, whether it is to another location on the roadway or to a storage/staging location for the project. This shall be paid for at the contract unit price per Each for IMPACT ATTENUATORS, RELOCATE of the type specified.

This work shall be done in accordance with Section 704 of the Standard Specifications. Temporary Concrete Barrier will be measured in feet along the centerline of the barrier and shall include the cost of renting/owning the barrier for the time required on the job plus hauling to and from the project site, as well as one placement and removal from the roadway in accordance with Section 704 of the Standard Specification. This shall be paid for at the contract unit price per Foot for TEMPORARY CONCRETE BARRIER.

Relocate Temporary Concrete Barrier will be paid for in Feet along the centerline of the barrier, and will be paid for each time the barrier is required by staging to be picked up and moved to a different location on the project, whether it is to another location on the roadway or to a storage/staging location for the project. This shall be paid for at the contract unit price per Foot for RELOCATE TEMPORARY CONCRETE BARRIER.

Tree planting layout shall be performed by the District Roadside Management Specialist. Mulch shall be placed 4" thick and to the diameter around the tree as shown on District Standard 92.1. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

Excess trees that cannot be planted along the IL 78/Canyon Road project limits shall be planted at alternative locations as determined by the District Roadside Management Specialist.

SUMMARY OF QUANTITIES

					0040	0040	0040	0040	0004	0004
	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED:20% STATE PR SN:043-1097 FAP 22	80% FED:20% STATE PR SN: 043-1098 FAP 21	80% FED:20% STATE PR SN: 043-1099 FAS 24	80% FED:20% STATE EX SN: 043-C001 FAS 23	80% FED:20% STATE FAP ROADWAY	80% FED:20% STATE ROADWAY FAS
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	42	30	0	0	12	0	0
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	32	16	0	16	0	0	0
	20101000	TEMPORARY FENCE	FOOT	2291	0	671	494	1126	0	0
	20101100	TREE TRUNK PROTECTION	EACH	2	0	2	0	0	0	0
	20200100	EARTH EXCAVATION	CU YD	2852	591	1364	131	766	0	0
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	338	38	99	71	130	0	0
	20400800	FURNISHED EXCAVATION	CU YD	1075	0	1075	0	0	0	0
*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQYD	9729	0	5276	3388	1065	0	0
*	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQYD	6631	6631	0	0	0	0	0
*	25000210	SEEDING, CLASS 2A	ACRE	3	1	1	0.5	0.5	0	0
*	25000310	SEEDING, CLASS 4	ACRE	2	0.5	0.75	0.25	0.50	0	0
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	400	137	136	30	97	0	0
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	400	137	136	30	97	0	0
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	400	137	136	30	97	0	0
□	25000750	MOWING	ACRE	3					2	1
*	25100125	MULCH, METHOD 3	ACRE	3.75	.75	1.5	1	.5	0	0
*	25100630	EROSION CONTROL BLANKET	SQ YD	4508	1319.8	2168.2	486.1	533.9	0	0
*	25100900	TURF REINFORCEMENT MAT	SQ YD	1539	153	160	49	1177	0	0
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1014	411	327	66	210	0	0
	28000305	TEMPORARY DITCH CHECKS	FOOT	896	240	216	16	424	0	0
	28000400	PERIMETER EROSION BARRIER	FOOT	4211	1010	1509	686	1006	0	0
	28000500	INLET AND PIPE PROTECTION	EACH	8	2	3	2	1	0	0

22 * Specialty Items □ 100% STATE - NP

X-FAP 650 & FAS 74

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD
SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	6
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

				0040	0040	0040	0040	0004	0004
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED;20% STATE PR SN:043-1097 FAP	80% FED;20% STATE PR SN: 043-1098 FAP	80% FED;20% STATE PR SN: 043-1099 FAS	80% FED;20% STATE EX SN: 043-C001 FAS	80% FED;20% STATE FAP ROADWAY	80% FED;20% STATE ROADWAY FAS
28100107	STONE RIPRAP, CLASS A4	SQ YD	460	260	60	90	50	0	0
28200200	FILTER FABRIC	SQ YD	675	475	60	90	50	0	0
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1638.2	0	0	0	0	1638.2	0
35101400	AGGREGATE BASE COURSE, TYPE B	TON	686	0	0	0	0	686	0
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	319.5	0	0	0	0	221.8	97.7
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SQ YD	920	0	0	0	0	520.0	400.0
40600990	TEMPORARY RAMP	SQ YD	139	0	0	0	0	94	45
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	720	0	0	0	0	573	147
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	15	0	0	0	0	15	0
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	376	0	0	0	0	80	296
48100700	AGGREGATE SHOULDERS, TYPE A 8"	SQ YD	520	0	0	0	0	0	520
48203020	HOT-MIX ASPHALT SHOULDERS, 5 3/4"	SQ YD	1908	0	0	0	0	1908	0
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	0	1	0	0	0	0
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	0	0	1	0	0	0
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	0	0	0	1	0	0
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	553	0	553	0	0	0	0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	11440	1255	8710	0	1475	0	0
50800515	BAR SPLICERS	EACH	56	0	56	0	0	0	0
51500100	NAME PLATES	EACH	3	1	1	1	0	0	0
54003000	CONCRETE BOX CULVERTS	CU YD	47.6	0	47.6	0	0	0	0
54213450	END SECTIONS 15"	EACH	6	2	4	0	0	0	0
54215408	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 8"	EACH	1	0	0	0	0	1	0

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X-FAP 650 & FAS 74

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD
SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	7
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

				0040	0040	0040	0040	0004	0004
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED:20% STATE PR SN:043-1097 FAP	80% FED:20% STATE PR SN: 043-1098 FAP	80% FED:20% STATE PR SN: 043-1099 FAS	80% FED:20% STATE EX SN: 043-C001 FAS	80% FED:20% STATE FAP ROADWAY	80% FED:20% STATE ROADWAY FAS
54215410	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 10"	EACH	1	0	0	0	0	1	0
54215412	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 12"	EACH	1	0	0	0	0	1	0
54260311	TRAVERSABLE PIPE GRATE	FOOT	405	88	66	191	60	0	0
54261360	CONCRETE END SECTION, STANDARD 542001, 60",1:3	EACH	1	0	0	0	1	0	0
54262448	CONCRETE END SECTION, STANDARD 542006, 48", 1:4	EACH	2	0	0	2	0	0	0
54263460	CONCRETE END SECTION, STANDARD 542011, 60", 1:4	EACH	1	1	0	0	0	0	0
542A0253	PIPE CULVERTS, CLASS A, TYPE 1 48"	FOOT	110	0	0	110	0	0	0
542A0265	PIPE CULVERTS, CLASS A, TYPE 1 60"	FOOT	111	15	0	0	96	0	0
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	172	88	84	0	0	0	0
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	12	0	4	4	4	0	0
60100080	FRENCH DRAINS	CU YD	174	174	0	0	0	0	0
60100925	PIPE DRAINS 8"	FOOT	65	0	22	0	43	0	0
60100935	PIPE DRAIN 10"	FOOT	20	5	5	5	5	0	0
60100945	PIPE DRAIN 12"	FOOT	20	5	5	5	5	0	0
60107600	PIPE UNDERDRAINS 4"	FOOT	288	0	112	88	88	0	0
60108000	PIPE UNDERDRAIN 12"	FOOT	107	107	0	0	0	0	0
60224469	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0	0	0	0
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	200	50	50	50	50	0	0
61101009	STORM SEWERS PROTECTED, CLASS A, 8"	FOOT	50	12.5	12.5	12.5	12.5	0	0
61101011	STORM SEWERS PROTECTED, CLASS A, 10"	FOOT	50	12.5	12.5	12.5	12.5	0	0
61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT	50	12.5	12.5	12.5	12.5	0	0
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	3	1	1	0	1	0	0

22

FILE NAME = c:\pw_work\pwidot\guzzardosa\d0232736\D201310-sht-500.dgn	USER NAME = GUZZARDOSA	DESIGNED -	REVISED -
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	PLOT DATE = Wed Nov 13 13:33:28 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD
SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	8
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

X-FAP 650 & FAS 74

SUMMARY OF QUANTITIES

				0040	0040	0040	0040	0004	0004
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED;20% STATE PR SN:043-1097 FAP	80% FED;20% STATE PR SN: 043-1098 FAP	80% FED;20% STATE PR SN: 043-1099 FAS	80% FED;20% STATE EX SN: 043-C001 FAS	80% FED;20% STATE FAP ROADWAY	80% FED;20% STATE ROADWAY FAS
63200310	GUARDRAIL REMOVAL	FOOT	939	532	0	407	0	0	0
* 63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	300	0	300	0	0	0	0
* 63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2	0	2	0	0	0	0
63500105	DELINEATORS	EACH	22	6	8	4	4	0	0
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	47	12	13	10	12	0	0
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	4	1	1	1	1	0	0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	0	0	0	0	2	2
67100100	MOBILIZATION	LSUM	1	0.25	0.25	0.25	0.25	0	0
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	0	1	0	0	0	0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	0.25	0.25	0.25	0.25	0	0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	LSUM	1	0	1	0	0	0	0
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	0	10	0	0	0	0
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	0	1	0	0	0	0
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	0	6	0	0	0	0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	309	89	142	23	55	0	0
70300220	TEMPORARY PAVEMENT MARKING- LINE 4"	FOOT	1968	0	1968	0	0	0	0
70300280	TEMPORARY PAVEMENT MARKING- LINE 24"	FOOT	24	0	24	0	0	0	0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	760	30	703	8	19	0	0
70400100	TEMPORARY CONCRETE BARRIER	FOOT	325	0	325	0	0	0	0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325	0	325	0	0	0	0

20 * Specialty Items

X-FAP 650 & FAS 74

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD
SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	9
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	0040 80% FED:20% STATE PR SN:043-1097 FAP	0040 80% FED:20% STATE PR SN: 043-1098 FAP	0040 80% FED:20% STATE PR SN: 043-1099 FAS	0040 80% FED:20% STATE EX SN: 043-C001 FAS	0004 80% FED:20% STATE FAP ROADWAY	0004 80% FED:20% STATE ROADWAY FAS
	70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	0	2	0	0	0	0
	70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	0	2	0	0	0	0
*	78001110	PAINT PAVEMENT MARKING- LINE 4"	FOOT	14064	2704	4922	1638	4800	0	0
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	19	8	11	0	0	0	0
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	389	0	389	0	0	0	0
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	19	8	11	0	0	0	0
*	A2005114	TREE, JUGLANS NIGRA (BLACK WALNUT), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	2	0	0	0	0	2	0
*	A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	4	0	0	0	0	4	0
	X0323660	DROP BOX NO. 1	EACH	1	0	0	0	1	0	0
	X0323661	DROP BOX NO. 2	EACH	1	1	0	0	0	0	0
	X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	213	213	0	0	0	0	0
	X5430100	INSERTION CULVERT LINER (SPECIAL)	FOOT	123	123	0	0	0	0	0
	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1	0	0	0.5	0.5	0	0
	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	0.25	0.25	0.25	0.25	0	0
	Z0025505	PROPERTY MARKERS	EACH	8	4	4	0	0	0	0
	Z0026407	TEMPORARY SHEET PILING	SQ FT	770	0	770	0	0	0	0
	Z0049300	REFERENCING LAND SECTION MARKERS	EACH	1	0	0	1	0	0	0
*	Z0054500	ROCK FILL	TON	691	78	203	145	265	0	0
	Z0062456	TEMPORARY PAVEMENT	SQ YD	213	213	0	0	0	0	0
	Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	48	48	0	0	0	0	0

20 * Specialty Items

X-FAP 650 & FAS 74

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

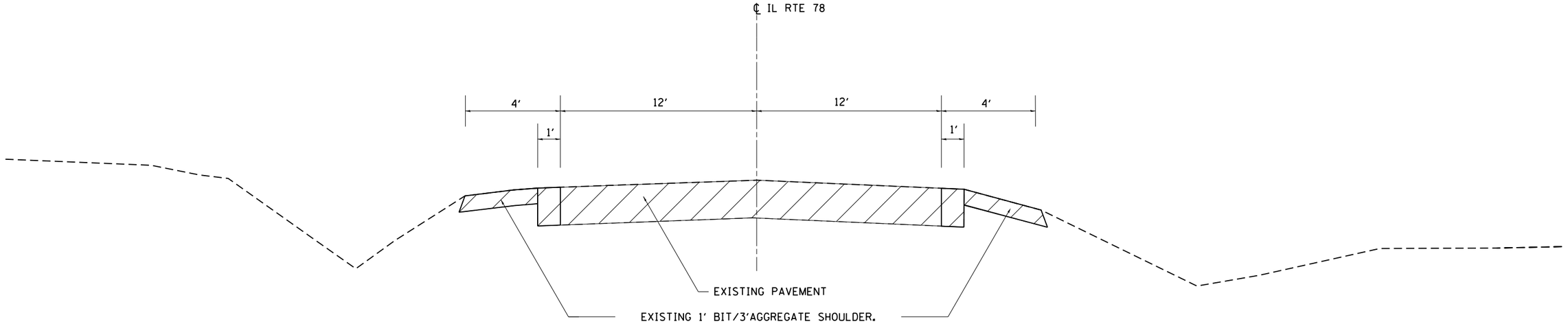
IL 78 /CANYON RD
SUMMARY OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

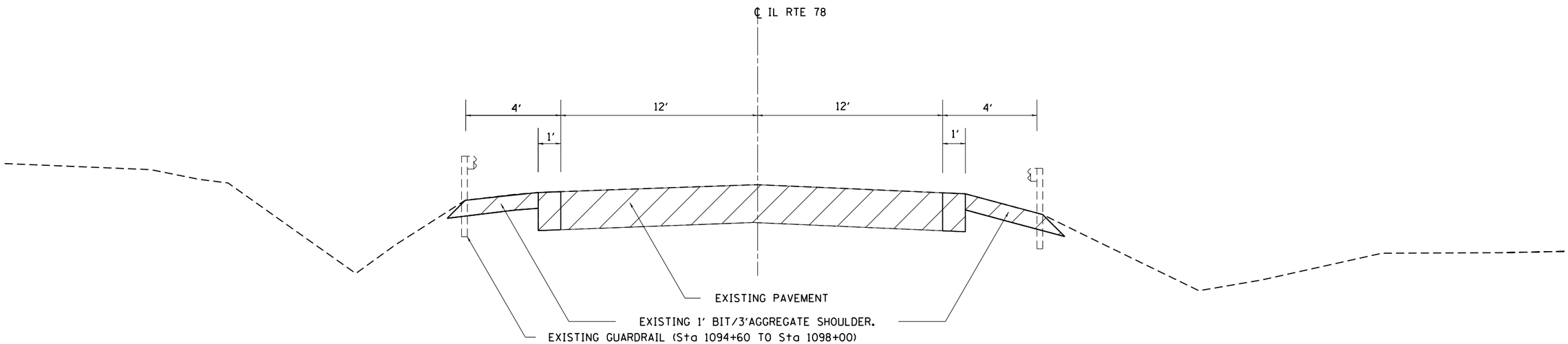
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	10
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

TYPICAL SECTIONS

EXISTING TYPICAL - IL RTE 78
STA 907+25 TO STA 916+25



EXISTING TYPICAL - IL RTE 78
STA 1093+33 TO STA 1099+18



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

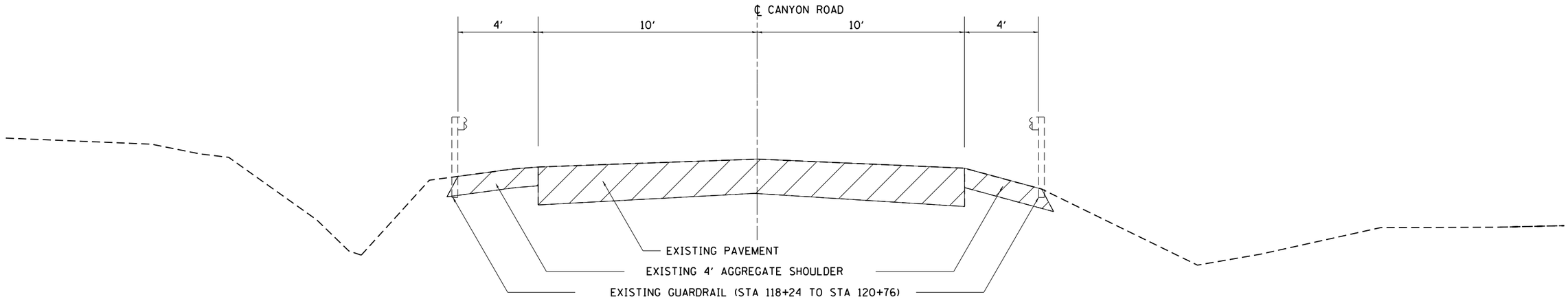
TYPICAL SECTIONS
IL RTE 78

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	11
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

TYPICAL SECTIONS

EXISTING TYPICAL - CANYON RD
STA 103+25 TO STA 109+25
STA 118+25 TO STA 120+77



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

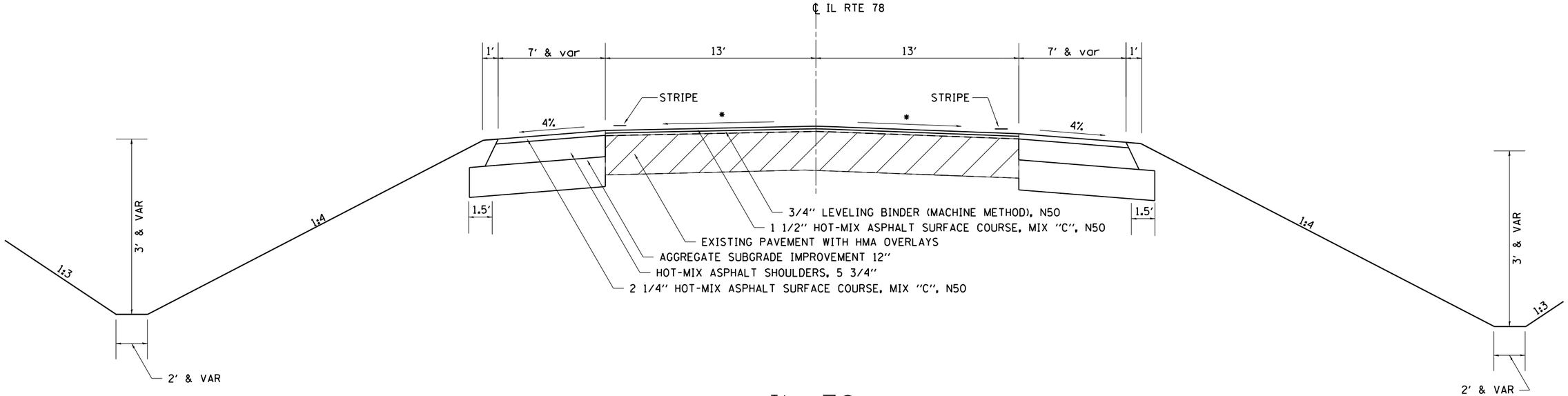
TYPICAL SECTIONS
CANYON ROAD

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

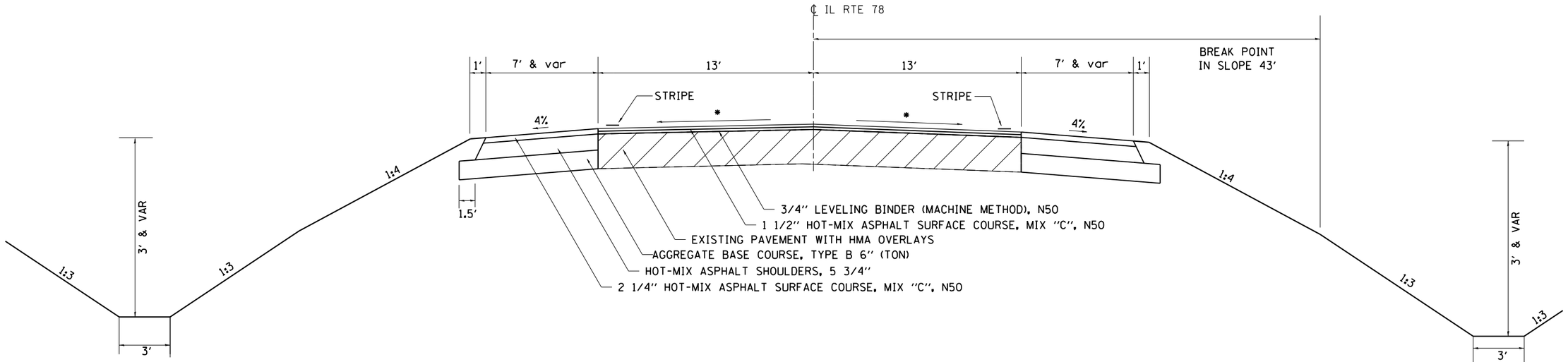
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	12
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS

IL 78
PROPOSED TYPICAL
STA 907+92 TO STA 915+58



IL 78
PROPOSED TYPICAL
STA 1094+00 TO STA 1098+50



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL RTE 78

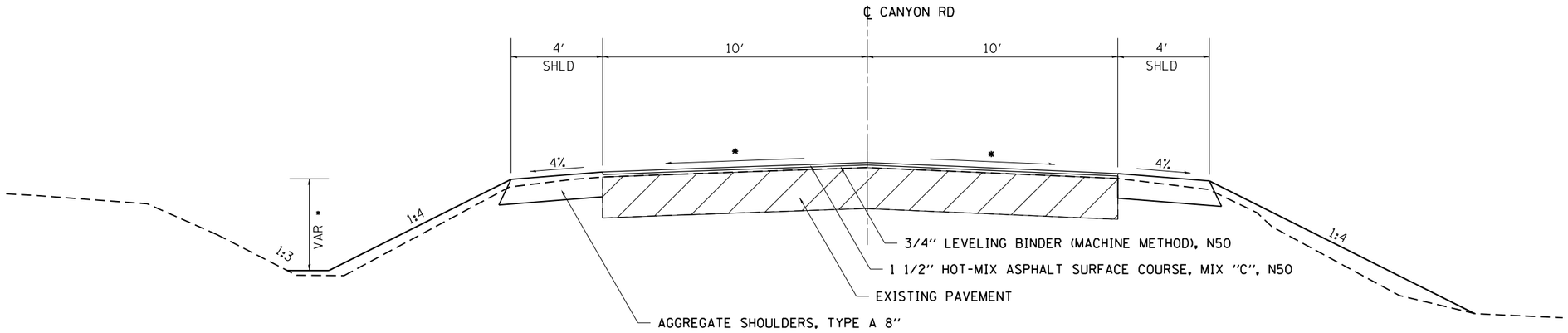
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	13
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

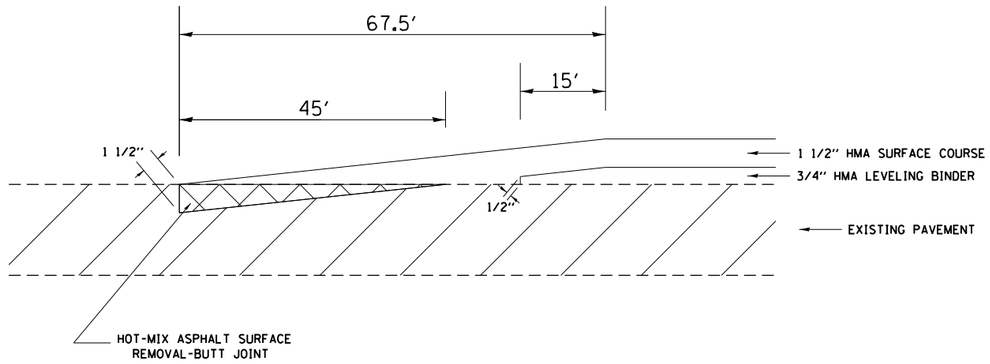
TYPICAL SECTIONS

CANYON RD

PROPOSED TYPICAL
STA 103+92 TO STA 108+58
STA 118+92 TO STA 120+10



BUTT JOINT
IL 78
STA 907+25 TO 907+92
STA 915+58 TO 916+25
STA 1093+33 TO STA 1094+00
STA 1098+50 TO STA 1099+18
CANYAON RD
STA 103+25 TO STA 103+92
STA 108+58 TO STA 109+25
STA 118+25 TO STA 118+92
STA 120+10 TO STA 120+77



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MINIMUM 1/8"/FT

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		DRAWN -	REVISED -					650	104T-3	JO DAVIESS	97	14
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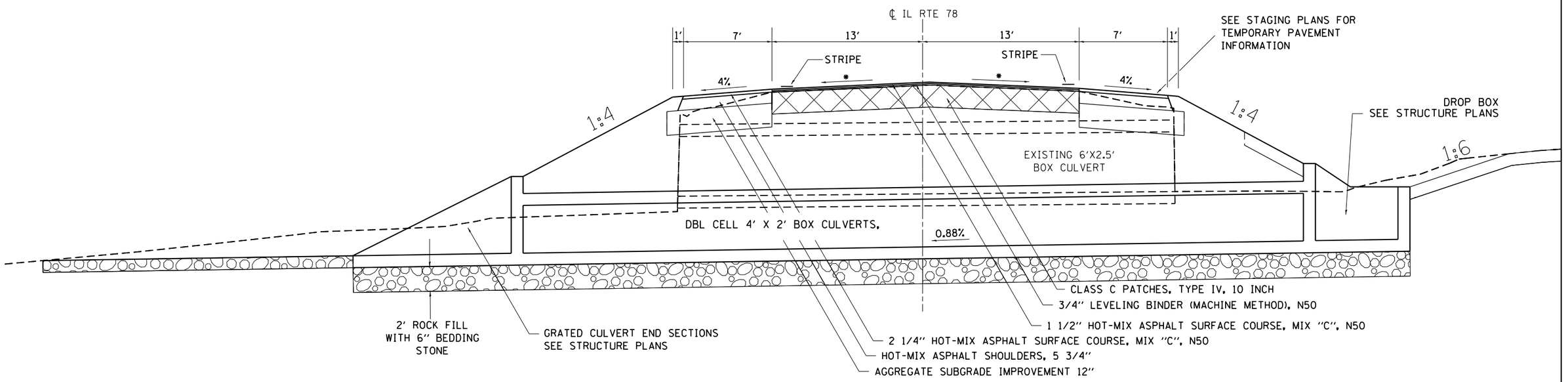
	PLOT DATE = Thu Oct 10 06:57:27 2013	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS

PROPOSED DBL-CELL 4'X2', PSN 043-1098
STA 912+26
SEE STRUCTURE PLANS



ESN: 043-1040

*- MATCH EXISTING, MINIMUM 1/8"/FT

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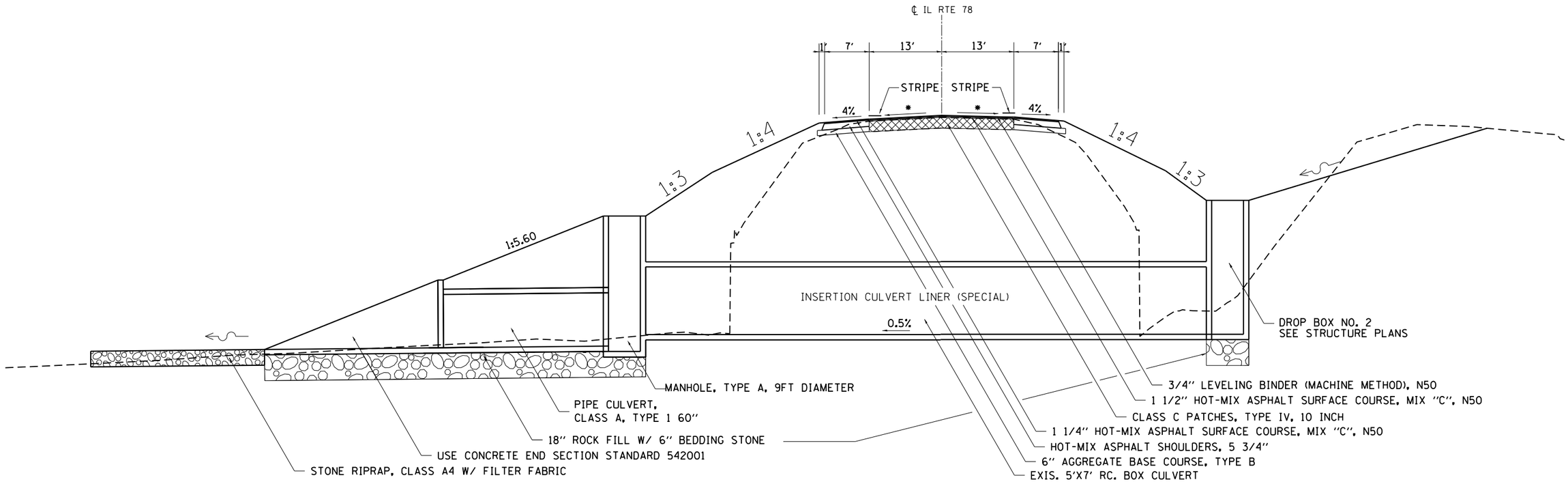
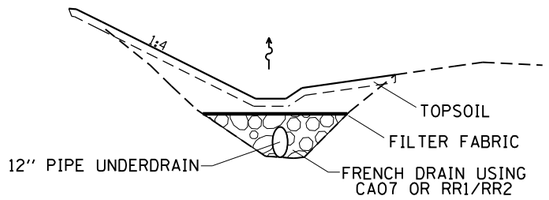
		DRAWN -	REVISED -					650	104T-3	JO DAVIESS	97	15
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO.		
	PLOT DATE = Thu Oct 10 06:57:55 2013	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS

PROPOSED PIPE LINER, EQRS 73''X48'', AND EXTENSION PSN 043-1097
STA 1096+26



UNDERDRAIN, FRENCH DRAIN FROM STATION 1095+00 TO DROPBOX
ALSO SEE CROSS SECTION



ESN: 043-1036

*- MATCH EXISTING,
MINIMUM 1/8''/FT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

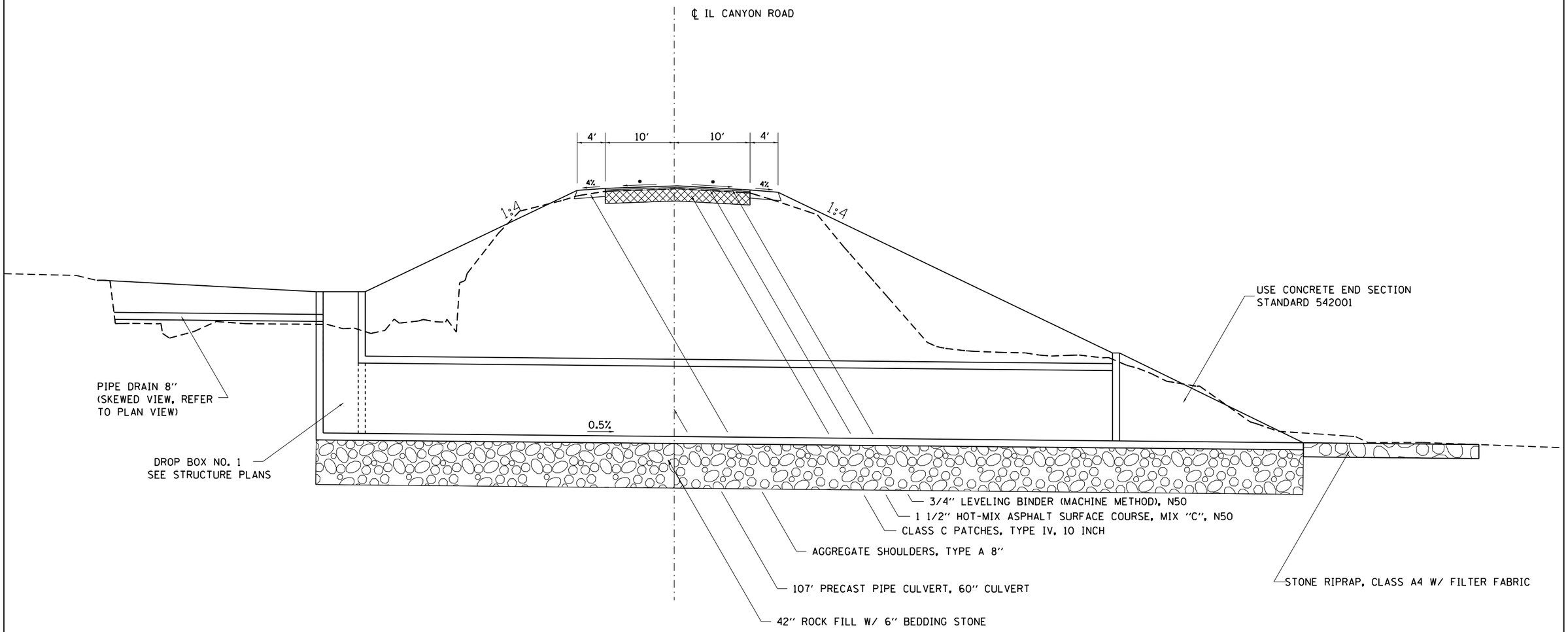
TYPICAL SECTIONS
IL RTE 78

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	16
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

TYPICAL SECTIONS

PROPOSED PIPE CULVERT, 60'' PSN H043-C111-050050-01A
STA 105+92



ESN 043-C001

* - MATCH EXISTING,
MINIMUM 1/8''/FT

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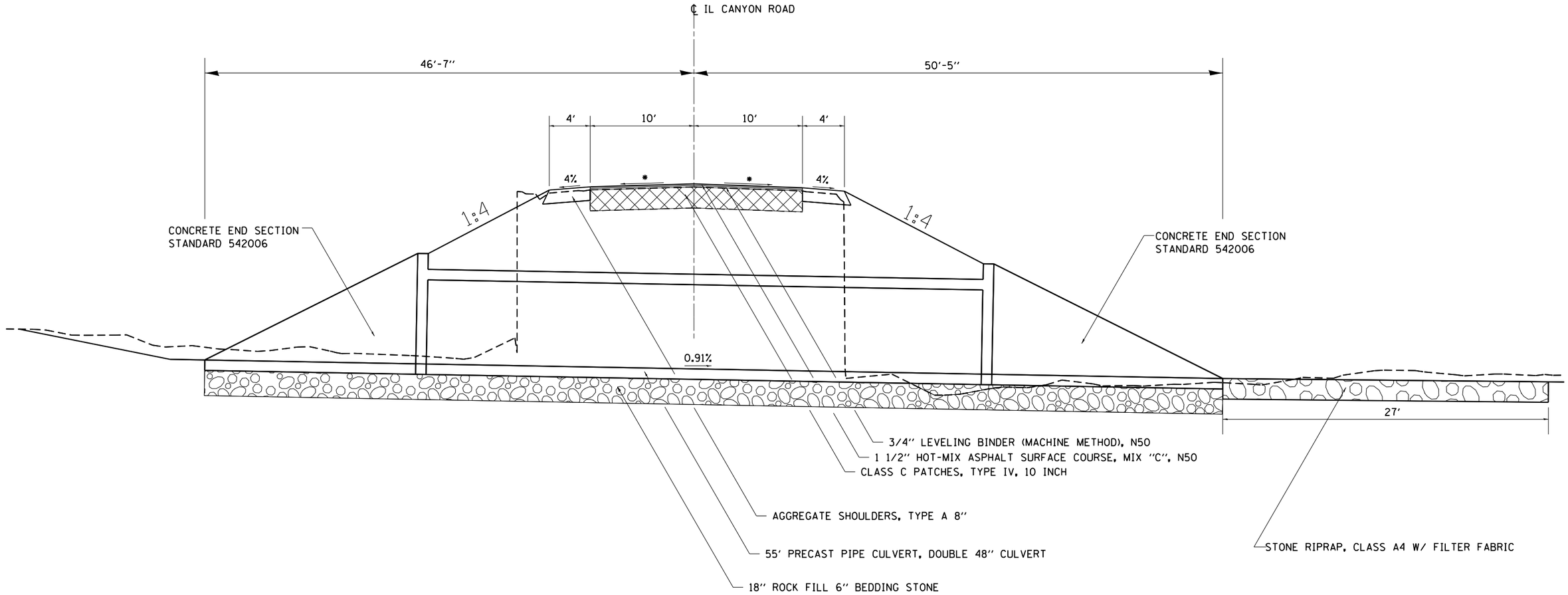
		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS

PROPOSED PIPE CULVERT, DOUBLE 48'' PSN 043-1099
STA 119+49



ESN: 043-1083

* - MATCH EXISTING, MINIMUM 1/8''/FT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
CANYON ROAD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	18
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

EARTH WORK SCHEDULE

LOCATION			20200100 EARTH EXC (CUT) CU YD	5020400 ROCK EXC LT CU YD	EARTH EXC ADJ SHRINK 25% EARTH CU YD	EMBANK (FILL) CU YD	EARTH WORK BALANCE WASTE (+) SHORTAGE (–) CU YD	20400800 FURNISH AND PLACE CU YD	21101615 TOP SOIL EXCAV & PLACE 4" SQ YD	21101625 TOP SOIL FURNISH & PLACE 6" SQ YD
907 + 50	–	915 + 87	1293	0	970	290	680	0	5275.6	0
910 + 00	–	914 + 50	71	0	53	14	40	0	0	0
1093 + 50	–	1098 + 86	591	553	996	2802	–1805	1111	0	6630.8
103 + 50	–	109 + 00	765	0	574	636	–61	0	3388	0
118 + 25	–	120 + 77	131	0	98	23	75	0	1064.8	0
TOTAL			2852	553	2692	3764	–1072	1072	9728.4	6631

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION	FEET FROM CENTERLINE
8	STATION 1096 + 27	53.5 RT
8	STATION 1096 + 37	90.1 RT
14	STATION 1096 + 38	88.6 RT
12	STATION 105 + 75	53 LT
42	TOTAL	

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION	FEET FROM CENTERLINE
16	STATION 1096 + 41	78.7 RT
16	STATION 119 + 95	71 RT
32		

20101100 TREE TRUNK PROTECTION

EACH	LOCATION	FEET FROM CENTERLINE
1	STATION 908 + 90	48 LT
1	STATION 909 + 28	47 LT
2	TOTAL	

20101000 TEMPORARY FENCE

FOOT	LOCATION				
671	STATION	908 + 30	TO	914 + 90	RT
256	STATION	118 + 50	TO	120 + 50	RT
238	STATION	118 + 50	TO	120 + 75	LT
487	STATION	103 + 00	TO	107 + 50	RT
639	STATION	103 + 00	TO	109 + 25	LT
2291	TOTAL				

20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

CUYD	LOCATION	
99	CULVERT 043–1098	(STATION 912 + 26)
38.1	CULVERT 043–1097	(STATION 1096 + 26)
129.3	CULVERT 043–C001	(STATION 105 + 93)
70.66	CULVERT 043–1099	(STATION 119 + 63)
337.06	TOTAL	

25000210 SEEDING, CLASS 2A

ACRES	LOCATION				
0.81	STATION	908 + 00	TO	915 + 50	
0.92	STATION	1094 + 00	TO	1098 + 50	
0.47	STATION	104 + 00	TO	108 + 50	
0.17	STATION	118 + 00	TO	120 + 50	
2.37	TOTAL				

25000310 SEEDING, CLASS 4

ACRES	LOCATION				
0.28	STATION	908 + 00	TO	915 + 50	
0.055	STATION	908 + 50	TO	915 + 00	LT*
0.21	STATION	908 + 06	TO	915 + 00	RT*
0.45	STATION	1094 + 00	TO	1098 + 50	
0.23	STATION	104 + 00	TO	108 + 50	
0.27	STATION	103 + 00	TO	109 + 25	LT*
0.05	STATION	118 + 00	TO	120 + 50	
0.08	STATION	118 + 50	TO	120 + 50	RT*
1.625	TOTAL	*SEEDING FOR NEW ROW			

25000400 NITROGEN FERTILIZER NUTRIENT

POUND	LOCATION				
135.5	STATION	908 + 00	TO	915 + 50	
137	STATION	1094 + 00	TO	1098 + 50	
97	STATION	104 + 00	TO	108 + 50	
30	STATION	118 + 00	TO	120 + 50	
399.5	TOTAL				

25000500 PHOSPHOROUS FERTILIZER NUTRIENT

POUND	LOCATION				
135.5	STATION	908 + 00	TO	915 + 50	
137	STATION	1094 + 00	TO	1098 + 50	
97	STATION	104 + 00	TO	108 + 50	
30	STATION	118 + 00	TO	120 + 50	
399.5	TOTAL				

25000600 POTASSIUM FERTILIZER NUTRIENT

POUND	LOCATION				
135.5	STATION	908 + 00	TO	915 + 50	
137	STATION	1094 + 00	TO	1098 + 50	
97	STATION	104 + 00	TO	108 + 50	
30	STATION	118 + 00	TO	120 + 50	
399.5	TOTAL				

25000750 MOWING

ACRES	LOCATION				
0.81	STATION	908 + 00	TO	915 + 50	
0.92	STATION	1094 + 00	TO	1098 + 50	
0.47	STATION	104 + 00	TO	108 + 50	
0.17	STATION	118 + 00	TO	120 + 50	
2.37	TOTAL				

X - FAP 650 & FAS 74

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD.
SCHEDULE OF QUANTITIES

SCALE: _____ | SHEET ___ OF ___ SHEETS | STA. _____ | TO STA. _____

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	19
		CONTRACT NO. 64F74		
		ILLINOIS	FED. AID PROJECT	

SCHEDULE OF QUANTITIES

25100125 MULCH, METHOD 3

ACRES	LOCATION			
0.633	STATION	908+00	TO	915+50
1.336	STATION	1094+00	TO	1098+50
0.815	STATION	104+00	TO	108+50
0.27	STATION	118+00	TO	120+50
3.054	TOTAL			

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION				
103.6	STATION	908+00	TO	908+93	LT
25.0	STATION	909+48	TO	909+70	LT
56.7	STATION	915+00	TO	915+51	LT
97.4	STATION	908+50	TO	909+38	RT
240.7	STATION	909+99	TO	912+16	RT
404.5	STATION	912+36	TO	916+00	RT
620.1	STATION	908+00	TO	915+50	LT *
620.2	STATION	908+00	TO	915+50	RT *
116.3	STATION	1093+42	TO	1094+50	LT
42.7	STATION	1095+15	TO	1095+50	LT
308.4	STATION	1093+44	TO	1096+04	RT
87.8	STATION	1096+37	TO	1097+19	RT
66.5	STATION	1098+00	TO	1098+50	RT
351.8	STATION	1094+00	TO	1098+50	LT *
346.3	STATION	1094+00	TO	1098+50	RT *
230.6	STATION	104+44	TO	107+57	LT *
303.3	STATION	104+09	TO	107+09	RT *
50.0	STATION	119+61	TO	120+69	LT
215.5	STATION	118+25	TO	120+77	LT *
220.6	STATION	118+25	TO	120+77	RT *
4508.0	TOTAL				

* : ALONG THE EDGE OF ROAD, EXCLUDE ENTRANCES AND CULVERT AREAS

25100900 TURF REINFORCEMENT MAT

SQ YD	LOCATION			
55.8	STATION	908+00	TO	908+50 RT
96.8	STATION	912+16	TO	912+36 RT
159.5	STATION	1095+50	TO	1096+84 LT
292.2	STATION	103+00	TO	105+63 LT
365.6	STATION	105+96	TO	109+25 LT
222.2	STATION	103+00	TO	105+00 RT
194.4	STATION	107+50	TO	109+25 RT
103	STATION	105+63	TO	105+96 LT
49.3	STATION	119+41	TO	119+61 LT
1538.84	TOTAL			

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION			
327	STATION	908+00	TO	915+50
411	STATION	1094+00	TO	1098+50
210	STATION	104+00	TO	108+50
66	STATION	118+00	TO	120+50
1014	TOTAL	(3 APPLICATIONS)		

28000305 TEMPORARY DITCH CHECKS (SEE EROSION CONTROL PLAN SHEETS FOR LOCATION)

FOOT	LOCATION
48	CULVERT 043–1098 EROSION CONTROL PLAN SHEET LT
168	CULVERT 043–1098 EROSION CONTROL PLAN SHEET RT
112	CULVERT 043–1097 EROSION CONTROL PLAN SHEET LT
128	CULVERT 043–1097 EROSION CONTROL PLAN SHEET RT
256	CULVERT 043–C001 EROSION CONTROL PLAN SHEET LT
168	CULVERT 043–C001 EROSION CONTROL PLAN SHEET RT
16	CULVERT 043–1099 EROSION CONTROL PLAN SHEET LT
0	CULVERT 043–1099 EROSION CONTROL PLAN SHEET RT
896	TOTAL

28000400 PERIMIETER EROSION BARRIER (USED ON THE CONSTRUCTION LIMIT)

FOOT	LOCATION				
747	STATION	908+00	TO	915+50	RT
762	STATION	908+00	TO	915+50	LT
492	STATION	1094+00	TO	1098+50	RT
518	STATION	1094+00	TO	1098+50	LT
519.4	STATION	104+00	TO	108+50	
487	STATION	104+00	TO	108+50	
371	STATION	118+00	TO	120+50	RT
315	STATION	118+00	TO	120+75	LT
4211.4	TOTAL				

28000500 INLET AND PIPE PROTECTION

EACH	LOCATION	
2	STA	908+87 LT
1	STA	912+26 RT
1	STA	1094+50 LT
1	STA	1096+09 RT
1	STA	105+82 LT
2	STA	119+56 LT
8	TOTAL	

28100107 STONE RIPRAP, CLASS A4

SQ YD	LOCATION
58.6	STATION 912+26 LT
123	STATION 1096+10 RT
133.6	STATION 1097+00 LT
49.5	STATION 106+00 RT
90.3	STATION 119+70 RT
454.97	TOTAL

28200200 FILTER FABRIC

SQ YD	LOCATION
220	STATION 1095+00 TO 1096+10 RT (LINING ABOVE FRENCH DRAIN)
58.6	STATION 912+26 LT
123	STATION 1096+10 RT
133.6	STATION 1097+00 LT
49.5	STATION 106+00 RT
90.3	STATION 119+70 RT
674.97	TOTAL

40600982 HOT–MIX ASPHALT SURFACE REMOVAL–BUTT JOINT

SQ YD	LOCATIONS			
130.0	STATION	907+25	TO	907+92
130.0	STATION	915+58	TO	916+25
130.0	STATION	1093+33	TO	1094+00
130.0	STATION	1098+50	TO	1099+18
100.0	STATION	103+25	TO	103+92
100.0	STATION	108+58	TO	109+25
100.0	STATION	118+25	TO	118+92
100.0	STATION	120+10	TO	120+77
920.0	TOTAL			

X - FAP 650 & FAS 74

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD.
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	20
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

40600990 TEMPORARY RAMP

SQ YD	LOCATION			
23.3	STA	907 + 25	TO	907 + 70
23.3	STA	915 + 80	TO	916 + 25
23.3	STA	1093 + 33	TO	1093 + 78
23.3	STA	1098 + 73	TO	1099 + 18
11.1	STA	103 + 25	TO	103 + 70
11.1	STA	108 + 80	TO	109 + 25
11.1	STA	118 + 25	TO	118 + 70
11.1	STA	120 + 32	TO	120 + 77
137.8	TOTAL			

50100300 REMOVAL OF EXISTING STRUCTURE NO. 1

EACH	LOCATION
1	STATION 912 + 26

50100400 REMOVAL OF EXISTING STRUCTURE NO. 2

EACH	LOCATION
1	STATION 119 + 49

50100500 REMOVAL OF EXISTING STRUCTURE NO. 3

EACH	LOCATION
1	STATION 105 + 82

542A0253 PIPE CULVERTS, CLASS A, TYPE 1 48"

FOOT	LOCATION
	Canyon Rd
110.0	Sta 119 + 63
110.0	TOTAL

542A0265 PIPE CULVERTS, CLASS A, TYPE 1, 60"

FOOT	LOCATION
15	STATION 1096 + 59 LT
96	STATION 105 + 93
111	TOTAL

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"

FOOT	LOCATION				
39	STATION	908 + 87	TO	909 + 48	LT
45	STATION	909 + 37	TO	909 + 99	RT
88	STATION	1094 + 50	TO	1095 + 15	LT
172	TOTAL				

54213450 END SECTIONS 15"

EACH	LOCATION
1	STATION 908 + 87 LT
1	STATION 909 + 48 LT
1	STATION 909 + 37 RT
1	STATION 909 + 99 RT
1	STATION 1094 + 50 LT
1	STATION 1095 + 15 LT
6	TOTAL

54260311 TRAVERSABLE PIPE GRATE

FOOT	LOCATION
66	STATION 912 + 26 LT/RT
70.42	STATION 1096 + 26 LT
17	STATION 1096 + 26 RT
20	STATION 105 + 93 LT
39.5	STATION 105 + 93 RT
95.5	STATION 119 + 49 LT
95.5	STATION 119 + 49 RT
403.92	TOTAL

54261360 CONCRETE END SECTION, STANDARD 542001, 60", 1:3

EACH	LOCATION
1	STATION 105 + 92

54262448 CONCRETE END SECTION, STANDARD 542006, 48", 1:4

EACH	LOCATION
2	STATION 119 + 63

54263460 CONCRETE END SECTION, STANDARD 542011, 60", 1:4

EACH	LOCATION
1	STATION 1096 + 26

X - FAP 650 & FAS 74

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD.
SCHEDULE OF QUANTITIES

SCALE: _____ | SHEET ___ OF ___ SHEETS | STA. _____ | TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	21
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

60100060 CONCRETE HEADWALLS FOR PIPE DRAINS

EACH	LOCATION
2	STATION 912+11 LT AND RT
2	STATION 912+42 LT AND RT
2	STATION 105+64 LT AND RT
2	STATION 106+26 LT AND RT
2	STATION 119+34 LT AND RT
2	STATION 119+84 LT AND RT
12	

60100080 FRENCH DRAINS

CU YD	LOCATION
174	1095+00 TO DROP BOX, RT

60100925 PIPE DRAIN 8"

FOOT	LOCATION
22	STATION 912+43 RT
43	STATION 105+59 82.3' LT
65	TOTAL

60107600 PIPE UNDERDRAIN 4"

FOOT	LOCATION
56	STATION 912+11
56	STATION 912+42
44	STATION 105+64
44	STATION 106+26
44	STATION 119+34
44	STATION 119+84
288	TOTAL

60100935 PIPE DRAINS 10"

FOOT	LOCATION
20	CONTINGENCY FOR FIELD TILE

60100945 PIPE DRAINS 12"

FOOT	LOCATION
20	CONTINGENCY FOR FIELD TILE

60108000 PIPE UNDERDRAINS 12"

FOOT	LOCATION
106.67	1095+00 TO DROP BOX, RT

61101009 STORM SEWERS PROTECTED, CLASS A, 8"

FOOT	LOCATION
50	CONTINGENCY FOR FIELD TILE

61101011 STORM SEWERS PROTECTED, CLASS A, 10"

FOOT	LOCATION
50	CONTINGENCY FOR FIELD TILE

61101013 STORM SEWERS PROTECTED, CLASS A, 12"

FOOT	LOCATION
50	CONTINGENCY FOR FIELD TILE

61133200 FIELD TILE JUNCTION VAULTS, 3' DIA.

EACH	LOCATION
1	STATION 105+59 82.3' TO THE RT
2	CONTINGENCY FOR FIELD TILE
3	

60224469 MANHOLES, TYPE A, 9'–DIAMETER, TYPE 1 FRAME, CLOSED LID

EACH	LOCATION
1	STATION 1096+42 63.5' TO THE RT

61100500 EXPLORATION TRENCH 52" DEPTH

FOOT	LOCATION
10	STATION 105+59 82.3' TO THE RT
190	CONTINGENCY
200	

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION			
266	STATION	1094+59	TO	1097+25 RT
266	STATION	1095+33	TO	1097+99 LT
204	STATION	118+24	TO	120+28 RT
203	STATION	118+73	TO	120+76 LT
939	TOTAL			

63301210 REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A

FOOT	LOCATION			
300	REMOVE FROM STATION	118+25	TO	120+77
	ERECT AT STATION	911+12	TO	913+40

USED FOR STAGE 1 (IN STAGING TYPICAL)THIS WILL THEN BE REMOVED AT THE BEGINNING OF STAGE 2

63301990 REMOVE AND REERECT TRAFFIC BARRIER TERMINAL, TYPE 1

EACH	LOCATION
	IL 78
1.0	Sta 910 +75 Stage I
1.0	Sta 913 +78 Stage I
2.0	TOTAL

63500105 DELINEATORS

EACH	LOCATION
1	STATION 908+93 LT
1	STATION 909+48 LT
1	STATION 909+38 RT
1	STATION 909+99RT
2	STATION 912+26 LT AND RT
1	STATION 1094+47 LT
1	STATION 1095+13 LT
1	STATION 1096+06 LT
1	STATION 1096+59RT
1	STATION 105+59 LT
1	STATION 105+82 LT
1	STATION 106+07 RT
1	STATION 119+49 LT
1	STATION 119+70 RT
7	CONTINGENCY
22	TOTAL

X - FAP 650 & FAS 74

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD.
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	22
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS

EACH	LOCATION			
	IL 78			
1.0	Sta	908 +50		57.64' LT
1.0	Sta	912 +00		55.00' LT
1.0	Sta	912 +10		80.00' LT
1.0	Sta	912 +40		80.00' LT
1.0	Sta	912 +50		55.00' LT
1.0	Sta	914 +00		55.00' LT
1.0	Sta	915 +00		40.00' LT
1.0	Sta	908 +06		60.00' RT
1.0	Sta	909 +00		60.00' RT
1.0	Sta	911 +00		60.00' RT
1.0	Sta	912 +00		70.00' RT
1.0	Sta	912 +50		70.00' RT
1.0	Sta	915 +00		47.36' RT
1.0	Sta	1095 +35		53.76' LT
1.0	Sta	1096 +50		135.00' LT
1.0	Sta	1097 +00		135.00' LT
1.0	Sta	1097 +50		90.00' LT
1.0	Sta	1098 +25		49.42' LT
1.0	Sta	1094 +50		50.00' RT
1.0	Sta	1095 +00		75.00' RT
1.0	Sta	1095 +50		85.00' RT
1.0	Sta	1096 +00		110.00' RT
1.0	Sta	1096 +50		110.00' RT
1.0	Sta	1097 +00		80.00' RT
1.0	Sta	1097 +60		64.28' RT
	Canyon Rd			
1.0	Sta	103 +00		40.00' LT
1.0	Sta	104 +00		50.00' LT
1.0	Sta	104 +50		50.00' LT
1.0	Sta	105 +25		85.00' LT
1.0	Sta	107 +00		85.00' LT
1.0	Sta	109 +25		35.00' LT
1.0	Sta	103 +00		40.00' RT
1.0	Sta	104 +00		50.00' RT
1.0	Sta	105 +00		50.00' RT
1.0	Sta	105 +75		100.00' RT
1.0	Sta	106 +75		100.00' RT
1.0	Sta	107 +50		40.00' RT
1.0	Sta	118 +50		35.00' LT
1.0	Sta	119 +30		70.00' LT
1.0	Sta	119 +70		70.00' LT
1.0	Sta	120 +75		35.00' LT
1.0	Sta	118 +50		35.00' RT
1.0	Sta	118 +90		45.00' RT
1.0	Sta	119 +20		95.00' RT
1.0	Sta	119 +85		55.00' RT
1.0	Sta	120 +10		95.00' RT
1.0	Sta	120 +50		35.00' RT
47.0	TOTAL			

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION	
	IL78	
1.0	As Directed by the Resident and Coordination with Surveys	043–1098
1.0	As Directed by the Resident and Coordination with Surveys	043–1097
	Canyon Rd	
1.0	As Directed by the Resident and Coordination with Surveys	043–1099
1.0	As Directed by the Resident and Coordination with Surveys	043–C001
4.0	TOTAL	

70106700 TEMPORARY RUMBLE STRIPS

EACH	LOCATION
	IL 78
6.0	As required per Standard 701321
6.0	TOTAL

70300100 SHORT TERM PAVEMENT MARKING

FOOT	LOCATION				
	IL78				
30.0	Sta	908 +00	– 915 +50		White Shoulder LT
30.0	Sta	908 +00	– 915 +50		White Shoulder RT
82.0	Sta	907 +25	– 916 +25		Yellow Centerline
18.0	Sta	1094 +00	– 1098 +50		White Shoulder LT
18.0	Sta	1094 +00	– 1098 +50		White Shoulder RT
53.0	Sta	1093 +33	– 1099 +18		Yellow Centerline
	Canyon Rd				
55.0	Sta	103 +25	– 109 +25		Yellow Centerline
23.0	Sta	118 +25	– 120 +77		Yellow Centerline
309.0	TOTAL				

70300220 TEMPORARY PAVEMENT MARKING – LINE 4"

FOOT	LOCATION				
	IL78				
611.0	Sta	909 +56	– 915 +65		Stage I LT
392.0	Sta	910 +54	– 914 +46		Stage I RT
353.0	Sta	910 +51	– 914 +04		Stage II LT
612.0	Sta	908 +91	– 915 +01		Stage II RT
1968.0	TOTAL				

70300280 TEMPORARY PAVEMENT MARKING – LINE 24"

FOOT	LOCATION		
	IL78		
12.0	Sta	908 +81	
12.0	Sta	915 +75	
24.0	TOTAL		

70301000 WORK ZONE PAVEMENT MARKING REMOVAL

SQ FT	LOCATION				
	IL78				
10.0	Sta	908 +00	– 915 +50		White Shoulder LT
10.0	Sta	908 +00	– 915 +50		White Shoulder RT
27.3	Sta	907 +25	– 916 +25		Yellow Centerline
6.0	Sta	1094 +00	– 1098 +50		White Shoulder LT
6.0	Sta	1094 +00	– 1098 +50		White Shoulder RT
17.7	Sta	1093 +33	– 1099 +18		Yellow Centerline
203.5	Sta	909 +56	– 915 +65		Stage I LT
130.5	Sta	910 +54	– 914 +46		Stage I RT
117.6	Sta	910 +51	– 914 +04		Stage II LT
203.8	Sta	908 +91	– 915 +01		Stage II RT
	Canyon Rd				
18.3	Sta	103 +25	– 109 +25		Yellow Centerline
7.7	Sta	118 +25	– 120 +77		Yellow Centerline
758.4	TOTAL				

70400100 TEMPORARY CONCRETE BARRIER

FOOT	LOCATION				
	IL78				
325.0	Sta	910 +79	– 913 +88		Stage I
325.0	TOTAL				

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

FOOT	LOCATION				
	IL78				
325.0	Sta	910 +64	– 913 +85		Stage II
325.0	TOTAL				

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD.
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	23
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

70600250 IMPACT ATTENUATORS, TEMPORARY (NON – REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION			
	IL78			
1.0	Sta	910 +60		Stage I
1.0	Sta	913 +99		Stage I
2.0	TOTAL			

70600350 IMPACT ATTENUATORS, RELOCATE (NON – REDIRECTIVE), TEST LEVEL 3

EACH	LOCATION			
	IL78			
1.0	Sta	910 +53		Stage II
1.0	Sta	913 +96		Stage II
2.0	TOTAL			

78001110 PAINT PAVEMENT MARKING– LINE 4"

FOOT	LOCATION				
900	STATION	907 + 25	TO	916 + 25	WHITE SHOULDER LT
900	STATION	907 + 25	TO	916 + 25	WHITE SHOULDER RT
116	STATION	907 + 25	TO	911 + 89	YELLOW CENTERLINE
545	STATION	911 + 89	TO	916 + 25	YELLOW CENTERLINE No Passing NB
585	STATION	1093 + 50	TO	1098 + 50	WHITE SHOULDER LT
585	STATION	1093 + 50	TO	1098 + 50	WHITE SHOULDER RT
71.25	STATION	1093 + 50	TO	1094 + 07	YELLOW CENTERLINE No Passing SB
110.75	STATION	1094 + 07	TO	1098 + 50	YELLOW CENTERLINE
600	STATION	103 + 25	TO	109 + 25	WHITE SHOULDER LT
600	STATION	103 + 25	TO	109 + 25	WHITE SHOULDER RT
1200	STATION	103 + 25	TO	109 + 25	YELLOW CENTERLINE SB and NB No Passing Zone
252	STATION	118 + 25	TO	120 + 77	WHITE SHOULDER LT
252	STATION	118 + 25	TO	120 + 77	WHITE SHOULDER RT
315	STATION	118 + 25	TO	120 + 77	YELLOW CENTERLINE NB No Passing Zone
7032					
14064	TOTAL (2 COATS)				

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH	LOCATION				
	IL78				
8.0	Sta	907 +25	–	916 +25	
11.0	Sta	1093 +33	–	1099 +18	
19.0	TOTAL				

78300100 PAVEMENT MARKING REMOVAL

SQ FT	LOCATION				
	IL78				
130.5	Sta	910 +54	– 914 +46		Stage I – White Shoulder LT
13.7	Sta	908 +91	– 910 +56		Stage I – Yellow Centerline Dash
14.5	Sta	914 +01	– 915 +75		Stage I – Yellow Centerline Dash
55.0	Sta	908 +91	– 910 +56		Stage I – Yellow Centerline Solid
58.0	Sta	914 +01	– 915 +75		Stage I – Yellow Centerline Solid
117.2	Sta	910 +51	– 914 +03		Stage II – White Shoulder LT
388.9	TOTAL				

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

EACH	LOCATION				
	IL78				
8.0	Sta	907 +25	–	916 +25	
11.0	Sta	1093 +33	–	1099 +18	
19.0	TOTAL				

X4400110 TEMPORARY PAVEMENT REMOVAL

SQ YD	LOCATION
212.1	910 + 30.5 to 914 + 04

X5430100 INSERTION CULVERT LINER (SPECIAL)

FOOT	LOCATION
123	CULVERT 043–1097

Z0025505 PROPERTY MARKERS

EACH	LOCATION
	IL 78
8.0	As Needed & Directed by the Resident Engineer
8.0	TOTAL

Z0026407 TEMPORARY SHEET PILING

SQ YD	LOCATION
770	SEE STAGING

Z0049300 REFERENCING LAND SECTION MARKERS

EACH	LOCATION
1	STATION 120 + 87

Z0054500 ROCK FILL

TON	LOCATION	
202.95	CULVERT 043–1098	(STATION 912 + 26)
78.105	CULVERT 043–1097	(STATION 1096 + 26)
265.065	CULVERT 043–C001	(STATION 105 + 93)
144.853	CULVERT 043–1099	(STATION 119 + 63)
690.973	TOTAL	

Z0062456 TEMPORARY PAVEMENT

SQ YD	LOCATION
212.1	910 + 30.5 TO 914 + 04

Z0073002 TEMPORARY SOIL RETENTION SYSTEM

SQ FT	LOCATION	
48	912 + 09 TO 912 + 42	3'X16'

X - FAP 650 & FAS 74

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		DRAWN -	REVISED -
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	PLOT DATE = Thu Oct 10 07:02:59 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD.
SCHEDULE OF QUANTITIES

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	24
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES
HOT–MIX ASPHALT SCHEDULE

HOT–MIX ASPHALT SCHEDULE

STATIONING	DESCRIPTION	LENGTH	PROPOSED SURFACE		40603310 HMA SURFACE COURSE 1 1/2" TON	40603310 HMA SURFACE COURSE (SHOULDER) 2 1/4" TON	GENERAL NOTE BITUMINOUS MATERIALS (PRIME COAT) TON	40600625 LEVELING BINDER 3/4" TON	48203020 HMA SHOULDERS 5 3/4" SQ YD	GENERAL NOTE AGGREGATE (PRIME COAT) TON	30300112 AGGREGATE SUBGRADE IMPROVEMENT 12" SQ YD	35101400 AGGREGATE BASE COURSE, TYPE B 6", 8", 12" TON	48100700 AGGREGATE SHOULDERS TYPE A 8" SQ YD	44201359 CLASS C PATCH 10" SQ YD	40800050 INCIDENTAL HOT–MIX ASPHALT 3" TON
			WIDTH	SQ YD											
907 + 25 _ 916 + 25	MAINLINE	900	24	2400	201.6	0.0	1.4	134.4	0.0	0	0.0	0.0	0.0	0.0	0.0
907 + 82 _ 915 + 58	SHOULDER	776	14	1207	0.0	169	0.7	0.0	1207.1	1.8	0.0	0.0	0.0	0.0	0.0
907 + 82 _ 915 + 58	AGG IMPROVEMENT UNDER SHOULDER	776	17	1638	0.0	0.0	0.0	0.0	0.0	0.0	1638.2	0.0	0.0	0.0	0.0
912 + 13 _ 912 + 39	CLASS C PATCH	30	24	80	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	80.0	0.0
1093 + 33 _ 1099 + 18	MAINLINE	585	24	1560	131.0	0.0	0.9	87.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1094 + 0 _ 1098 + 50	SHOULDER	450	14	700	0.0	98	0.4	0.0	700.0	1.1	0.0	0.0	0.0	0.0	0.0
1094 + 0 _ 1098 + 50	AGG IMPROVEMENT UNDER SHOULDER	450	17	950	0.0	0.0	0.0	0.0	0.0	0.0	0.0	324.6	0.0	0.0	0.0
103 + 92 _ 109 + 25	MAINLINE	533	20	1184	99.5	0.0	0.7	66.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
103 + 92 _ 108 + 58	SHOULDER	466	8	414.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	414.2	0.0	0.0
105 + 64 _ 106 + 26	CLASS C PATCH	62	20	137.8	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	137.8	0.0
118 + 25 _ 120 + 77	MAINLINE	252	20	560	47.0	0.0	0.3	31.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
118 + 92 _ 120 + 10	SHOULDER	118	8	104.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.9	0.0	0.0
119 + 13 _ 119 + 84	CLASS C PATCH	71	20	157.8	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	157.8	0.0
909 + 15 LT	PE	22		72.14	0.0	0.0	0.0	0.0	0.0	0.0	0.0	49.3	0.0	0.0	12.1
909 + 69 RT	FE	40		162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.8	0.0	0.0	0.0
1094 + 80 LT	FE	50		180.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82.3	0.0	0.0	0.0
1097 + 57 RT	FE	84.5		175.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80.1	0.0	0.0	0.0
1098 + 90 LT	FE	61		165.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.5	0.0	0.0	0.0
					479.2	240.3									
	TOTALS				719.5		4.4	319.4	1907.1	3.4	1638.2	685.6	519.1	375.6	12.1

X - FAP 650 & FAS 74

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	PLOT SCALE = 80.0000 ' / in.	CHECKED - ___	REVISED - ___
	PLOT DATE = Thu Oct 10 13:32:02 2013	DATE - ___	REVISED - ___

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 /CANYON RD.
SCHEDULE OF QUANTITIES

SCALE: _____ | SHEET ___ OF ___ SHEETS | STA. _____ | TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
X	104T-3	JO DAVIESS	97	25
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL

Chain IL78 contains:
260 CUR 200 210 CUR 220 CUR 230 CUR 240 CUR 250 A10717

Beginning chain IL78 description
==========

Point 260 N 2,072,595.3220 E 2,346,710.1504 Sta 710+17.41

Course from 260 to PC 200 N 2° 14′ 17.01″ W Dist 2,254.0414′

Curve Data
•----------•

Curve 200
P.I. Station 735+28.83 N 2,075,104.8272 E 2,346,612.0755
Delta = 0° 26′ 34.53″ (RT)
Degree = 0° 05′ 09.76″
Tangent = 257.3795′
Length = 514.7564′
Radius = 66,587.9424′
External = 0.0974′
Long Chord = 514.7552′
Mid. Ord. = 0.0974′
P.C. Station 732+71.45 N 2,074,847.6440 E 2,346,622.1266
P.T. Station 737+86.21 N 2,075,362.0804 E 2,346,604.0129
C.C. N 2,077,448.0063 E 2,413,159.2755

Course from PT 200 to 210 N 1° 47′ 42.48″ W Dist 5,062.9086′

Point 210 N 2,080,422.5042 E 2,346,445.4128 Sta 788+49.11

Course from 210 to PC 220 N 2° 02′ 04.01″ W Dist 6,665.9263′

Curve Data
•----------•

Curve 220
P.I. Station 859+61.57 N 2,087,530.4720 E 2,346,192.9182
Delta = 0° 29′ 09.68″ (RT)
Degree = 0° 03′ 15.92″
Tangent = 446.5247′
Length = 893.0441′
Radius = 105,278.1779′
External = 0.0469′
Long Chord = 893.0414′
Mid. Ord. = 0.0469′
P.C. Station 855+15.04 N 2,087,084.2287 E 2,346,208.7700
P.T. Station 864+08.09 N 2,087,976.8336 E 2,346,180.8523
C.C. N 2,090,821.6417 E 2,451,420.5872

Course from PT 220 to PC 230 N 1° 32′ 54.33″ W Dist 5,696.2427′

Curve Data
•----------•

Curve 230
P.I. Station 925+78.19 N 2,094,144.6843 E 2,346,014.1249
Delta = 0° 29′ 23.48″ (LT)
Degree = 0° 03′ 06.08″
Tangent = 473.8610′
Length = 947.7163′
Radius = 110,849.1711′
External = 1.0128′
Long Chord = 947.7134′
Mid. Ord. = 1.0128′
P.C. Station 921+04.33 N 2,093,670.9963 E 2,346,026.9295
P.T. Station 930+52.04 N 2,094,618.2455 E 2,345,997.2710
C.C. N 2,090,675.6499 E 2,235,218.2357

Course from PT 230 to PC 240 N 2° 02′ 17.81″ W Dist 4,050.1293′

Curve Data
•----------•

Curve 240
P.I. Station 978+66.16 N 2,099,429.3157 E 2,345,826.0463
Delta = 0° 22′ 49.58″ (LT)
Degree = 0° 01′ 29.63″
Tangent = 763.9868′
Length = 1,527.9680′
Radius = 230,118.0315′
External = 1.2682′
Long Chord = 1,527.9652′
Mid. Ord. = 1.2682′
P.C. Station 971+02.17 N 2,098,665.8123 E 2,345,853.2192
P.T. Station 986+30.14 N 2,100,192.6219 E 2,345,793.8045
C.C. N 2,090,481.1562 E 2,115,880.7865

Course from PT 240 to PC 250 N 2° 25′ 07.40″ W Dist 4,334.4869′

Curve Data
•----------•

Curve 250
P.I. Station 1033+60.75 N 2,104,919.0177 E 2,345,594.1627
Delta = 1° 09′ 54.45″ (RT)
Degree = 0° 08′ 49.46″
Tangent = 396.1234′
Length = 792.2196′
Radius = 38,957.9140′
External = 2.0138′
Long Chord = 792.2059′
Mid. Ord. = 2.0137′
P.C. Station 1029+64.63 N 2,104,523.2472 E 2,345,610.8800
P.T. Station 1037+56.85 N 2,105,315.0463 E 2,345,585.4965
C.C. N 2,106,167.3532 E 2,384,534.0861

Course from PT 250 to A10717 N 1° 15′ 12.95″ W Dist 8,121.8796′

Point A10717 N 2,113,434.9820 E 2,345,407.8090 Sta 1118+78.73

==========
Ending chain IL78 description

Chain CANYON_RD contains:
Z7932 CUR 370 CUR 360 Z7931 CUR 350 CUR 340 CUR 330 CUR 320 CUR 310 CUR 300 CUR 290 280 270

Beginning chain CANYON_RD description
==========

Point Z7932 N 2,104,576.7849 E 2,333,594.3578 Sta 79+81.08

Course from Z7932 to PC 370 N 89° 27′ 04.60″ E Dist 1,127.3403′

Curve Data
•----------•

Curve 370
P.I. Station 92+07.36 N 2,104,588.5289 E 2,334,820.5785
Delta = 0° 45′ 18.29″ (RT)
Degree = 0° 22′ 53.78″
Tangent = 98.9365′
Length = 197.8701′
Radius = 15,014.4394′
External = 0.3260′
Long Chord = 197.8687′
Mid. Ord. = 0.3260′
P.C. Station 91+08.42 N 2,104,587.5814 E 2,334,721.6465
P.T. Station 93+06.29 N 2,104,588.1725 E 2,334,919.5143
C.C. N 2,089,573.8305 E 2,334,865.4381

Curve Data
•----------•

Curve 360
P.I. Station 93+83.88 N 2,104,587.8931 E 2,334,997.1081
Delta = 0° 32′ 58.11″ (LT)
Degree = 0° 21′ 14.66″
Tangent = 77.5943′
Length = 155.1874′
Radius = 16,182.0026′
External = 0.1860′
Long Chord = 155.1869′
Mid. Ord. = 0.1860′
P.C. Station 93+06.29 N 2,104,588.1725 E 2,334,919.5143
P.T. Station 94+61.48 N 2,104,588.3577 E 2,335,074.7011
C.C. N 2,120,770.0702 E 2,334,977.7956

Course from PT 360 to Z7931 N 89° 39′ 24.78″ E Dist 1,029.6306′

Point Z7931 N 2,104,594.5236 E 2,336,104.3132 Sta 104+91.11

Course from Z7931 to PC 350 N 89° 51′ 30.36″ E Dist 505.5691′

Curve Data
•----------•

Curve 350
P.I. Station 111+30.12 N 2,104,596.1025 E 2,336,743.3267
Delta = 0° 50′ 20.49″ (LT)
Degree = 0° 18′ 51.74″
Tangent = 133.4464′
Length = 266.8881′
Radius = 18,225.3921′
External = 0.4885′
Long Chord = 266.8857′
Mid. Ord. = 0.4885′
P.C. Station 109+96.68 N 2,104,595.7728 E 2,336,609.8807
P.T. Station 112+63.56 N 2,104,598.3863 E 2,336,876.7536
C.C. N 2,122,821.1092 E 2,336,564.8492

Curve Data
•----------•

Curve 340
P.I. Station 113+86.78 N 2,104,600.4950 E 2,336,999.9533
Delta = 0° 27′ 30.39″ (RT)
Degree = 0° 11′ 09.71″
Tangent = 123.2177′
Length = 246.4341′
Radius = 30,799.1465′
External = 0.2465′
Long Chord = 246.4335′
Mid. Ord. = 0.2465′
P.C. Station 112+63.56 N 2,104,598.3863 E 2,336,876.7536
P.T. Station 115+10.00 N 2,104,601.6179 E 2,337,123.1659
C.C. N 2,073,803.7504 E 2,337,403.8418

Course from PT 340 to PC 330 N 89° 28′ 40.26″ E Dist 2,008.8287′

Curve Data
•----------•

Curve 330
P.I. Station 136+35.37 N 2,104,620.9867 E 2,339,248.4502
Delta = 0° 28′ 49.07″ (RT)
Degree = 0° 12′ 21.82″
Tangent = 116.5438′
Length = 233.0863′
Radius = 27,805.4207′
External = 0.2442′
Long Chord = 233.0856′
Mid. Ord. = 0.2442′
P.C. Station 135+18.83 N 2,104,619.9246 E 2,339,131.9112
P.T. Station 137+51.91 N 2,104,621.0718 E 2,339,364.9940
C.C. N 2,076,815.6586 E 2,339,385.3050

Course from PT 330 to PC 320 N 89° 57′ 29.33″ E Dist 577.8157′

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		DRAWN -	REVISED -
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Default	PLOT DATE = Thu Oct 10 07:05:31 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL ALIGNMENT
IL78 & CANYON RD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	26
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve 320
P.I. Station 145+98.41 N 2,104,621.6901 E 2,340,211.4892
Delta = 5° 27′ 57.21″ (RT)
Degree = 1° 01′ 04.61″
Tangent = 268.6797′
Length = 536.9518′
Radius = 5,628.5554′
External = 6.4091′
Long Chord = 536.7483′
Mid. Ord. = 6.4018′
P.C. Station 143+29.73 N 2,104,621.4939 E 2,339,942.8095
P.T. Station 148+66.68 N 2,104,596.2929 E 2,340,478.9658
C.C. N 2,098,992.9400 E 2,339,946.9210

Course from PT 320 to PC 310 S 84° 34′ 33.46″ E Dist 90.2743′

Curve Data

Curve 310
P.I. Station 150+63.71 N 2,104,577.6685 E 2,340,675.1129
Delta = 1° 51′ 23.55″ (LT)
Degree = 0° 52′ 10.60″
Tangent = 106.7549′
Length = 213.4912′
Radius = 6,588.6670′
External = 0.8648′
Long Chord = 213.4818′
Mid. Ord. = 0.8647′
P.C. Station 149+56.96 N 2,104,587.7596 E 2,340,568.8359
P.T. Station 151+70.45 N 2,104,571.0258 E 2,340,781.6609
C.C. N 2,111,146.9252 E 2,341,191.6363

Course from PT 310 to PC 300 S 86° 25′ 57.01″ E Dist 185.0602′

Curve Data

Curve 300
P.I. Station 153+67.40 N 2,104,558.7706 E 2,340,978.2309
Delta = 2° 23′ 06.45″ (LT)
Degree = 10° 01′ 48.93″
Tangent = 11.8914′
Length = 23.7793′
Radius = 571.2294′
External = 0.1238′
Long Chord = 23.7776′
Mid. Ord. = 0.1237′
P.C. Station 153+55.51 N 2,104,559.5105 E 2,340,966.3625
P.T. Station 153+79.29 N 2,104,558.5252 E 2,340,990.1197
C.C. N 2,105,129.6330 E 2,341,001.9069

Course from PT 300 to PC 290 S 88° 49′ 03.46″ E Dist 236.4586′

Curve Data

Curve 290
P.I. Station 156+83.98 N 2,104,552.2378 E 2,341,294.7524
Delta = 0° 44′ 12.17″ (LT)
Degree = 0° 32′ 23.32″
Tangent = 68.2390′
Length = 136.4761′
Radius = 10,614.0288′
External = 0.2194′
Long Chord = 136.4752′
Mid. Ord. = 0.2194′
P.C. Station 156+15.74 N 2,104,553.6459 E 2,341,226.5280
P.T. Station 157+52.22 N 2,104,551.7071 E 2,341,362.9894
C.C. N 2,115,165.4148 E 2,341,445.5465

Course from PT 290 to 280 S 89° 33′ 15.63″ E Dist 1,366.2884′

Point 280 N 2,104,541.0799 E 2,342,729.2365 Sta 171+18.51

Course from 280 to 270 S 89° 43′ 55.81″ E Dist 2,881.4910′

Point 270 N 2,104,527.6104 E 2,345,610.6959 Sta 200+00.00

==========
Ending chain CANYON_RD description

APPARENT PROPERTY CORNERS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	2104587.7993	2335069.9004	962.0076	CANYON_RD	94+56.67	0.5304′ RT	SECTION CORNER, SECTION CORNER
701	2104587.7566	2335068.9443	962.0327	CANYON_RD	94+55.72	0.5677′ RT	REFERENCE CORNER, REFERENCE CORNER
702	2104587.8282	2335070.9370	961.9977	CANYON_RD	94+57.71	0.5074′ RT	REFERENCE CORNER, REFERENCE CORNER
703	2104588.7811	2335069.9283	961.9433	CANYON_RD	94+56.71	0.4512′ LT	REFERENCE CORNER, REFERENCE CORNER
704	2104606.5637	2337697.0080	891.2213	CANYON_RD	120+83.86	0.2839′ RT	SECTION CORNER, SECTION CORNER

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
IL78	200	200	201	202	203
IL78	220	220	221	222	223
IL78	230	230	231	232	233
IL78	240	240	241	242	243
IL78	250	250	251	252	253

CURVE POINT NUMBERS

CHAIN	CURVE	PI	CC	PC	PT
CANYON_RD	370	370	371	372	373
CANYON_RD	360	360	361	362	363
CANYON_RD	350	350	351	352	353
CANYON_RD	340	340	341	342	343
CANYON_RD	330	330	331	332	333
CANYON_RD	320	320	321	322	323
CANYON_RD	310	310	311	312	313
CANYON_RD	300	300	301	302	303
CANYON_RD	290	290	291	292	293

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
403	2091282.6917	2346040.8798	942.6411	IL78	897+16.52	50.5911′ LT	PLUG, PLUG
404	2093985.3500	2346054.8088	958.0627	IL78	924+17.71	36.8067′ RT	PLUG
408	2104565.6429	2345526.5937	980.4665	CANYON_RD	199+15.72	37.639′ LT	PLUG, PLUG
412	2112376.6533	2345389.6008	945.0177	IL78	1108+21.05	41.3576′ LT	PLUG, PLUG
1403	2104594.8066	2338034.9771	887.6151	CANYON_RD	124+21.71	15.1205′ RT	DISK, HEADWALL

FILE NAME = c:\pw_work\pwidot\rundbladerrr\d0232736\D201310-sht-hvc.dgn	USER NAME = rundbladerr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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Default	PLOT DATE = Thu Oct 10 07:05:52 2013	DATE -	REVISED -

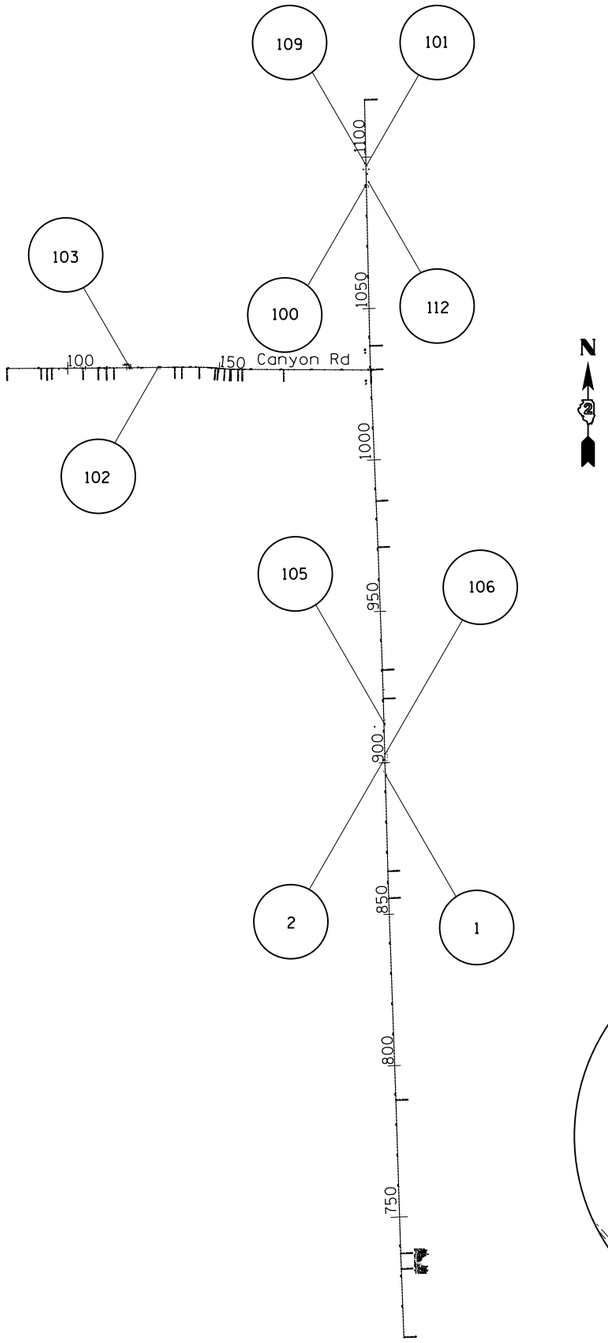
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

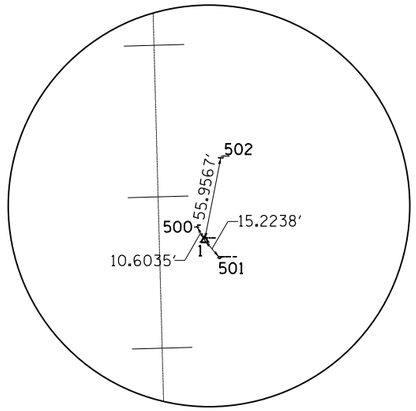
HORIZONTAL & VERTICAL ALIGNMENT
IL78 & CANYON RD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	27
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL





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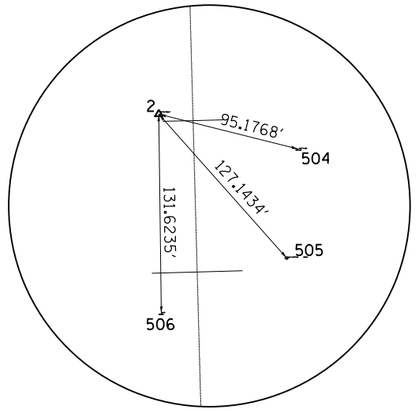

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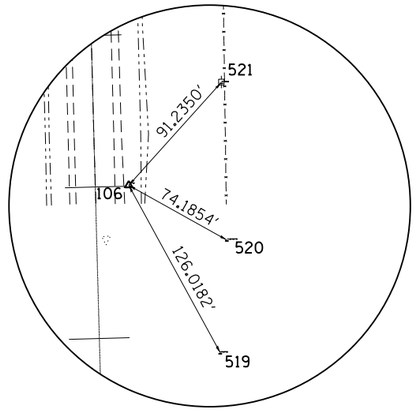

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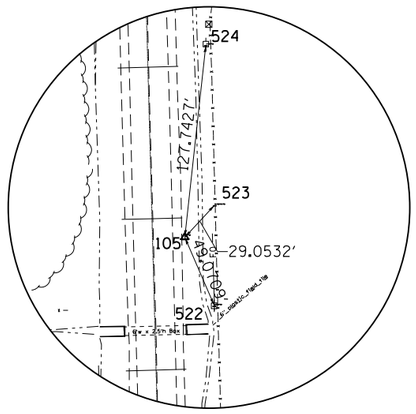

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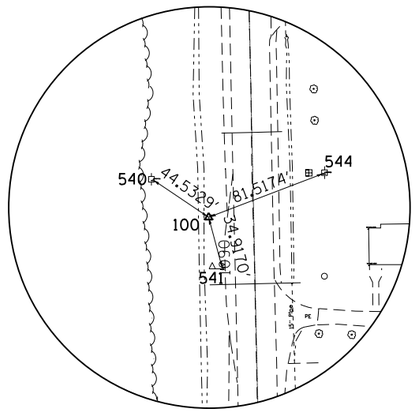

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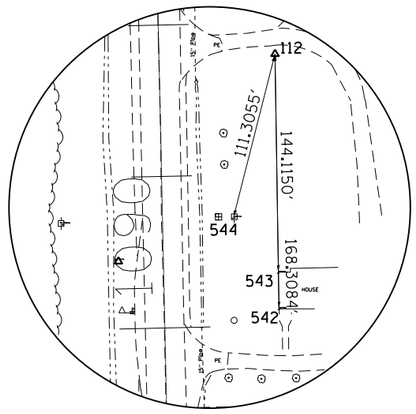

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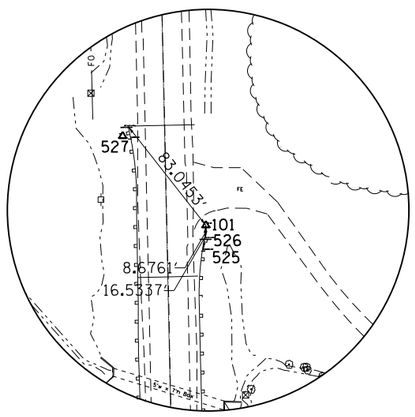

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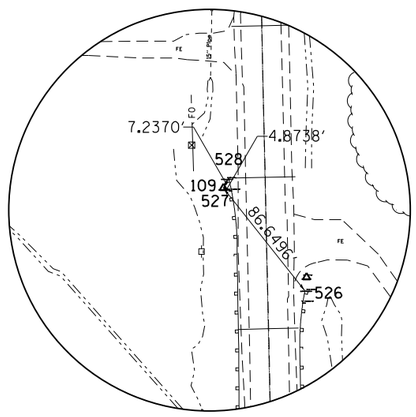

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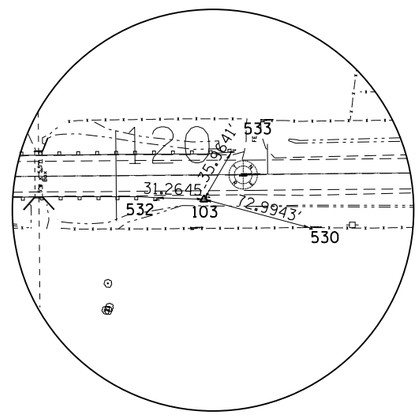

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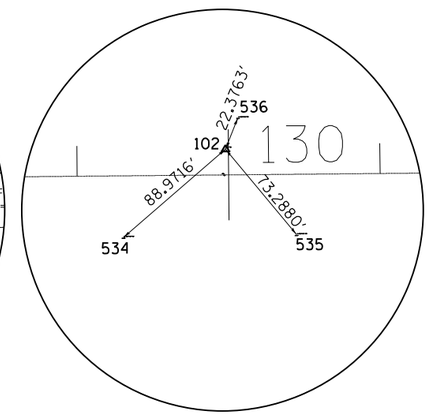

HORIZONTAL CONTROL POINT NO. 102

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		DRAWN -	REVISED -			650	104T-3	JO DAVIESS	97	28
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 64F74		
Default	PLOT DATE = Thu Oct 10 07:06:16 2013	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	2091139.0087	2346125.2705	946.5432	IL78	895+70.61	29.8862' RT	TOPO SURVEY POINT, PIN
2	2091671.6637	2346058.4098	943.1979	IL78	901+04.87	22.5568' LT	TOPO SURVEY POINT, PIN
100	2110600.8395	2345440.0863	968.1316	IL78	1090+44.56	29.7348' LT	TOPO SURVEY POINT, PIN
101	2111290.7709	2345480.6832	951.4548	IL78	1097+33.44	25.9465' RT	TOPO SURVEY POINT, PIN
102	2104632.1357	2338611.1012	896.2226	CANYON_RD	129+98.15	16.9568' LT	TOPO SURVEY POINT, PIN
103	2104590.4241	2337671.2123	891.1668	CANYON_RD	120+57.92	16.1878' RT	TOPO SURVEY POINT, PIN
105	2092854.7143	2346070.2717	923.6418	IL78	912+87.17	21.269' RT	TOPO SURVEY POINT, PIN
106	2091868.4982	2346097.7588	944.8126	IL78	903+00.57	22.0967' RT	TOPO SURVEY POINT, PIN
109	2111349.6965	2345425.7641	950.4981	IL78	1097+93.55	27.6703' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
112	2110737.8360	2345543.5451	969.6485	IL78	1091+79.26	76.6964' RT	TOPO SURVEY POINT, TOPO SURVEY POINT

REFERENCE TIES						
POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
500	2091148.2890	2346120.1412	IL78	895+80.02	25.0095' RT	HEADWALL, HEADWALL
501	2091127.4425	2346135.1693	IL78	895+58.78	39.4688' RT	HEADWALL, HEADWALL
502	2091193.9082	2346136.0964	IL78	896+25.19	42.1916' RT	HEADWALL, HEADWALL
504	2091648.5290	2346150.7321	IL78	900+79.25	69.1067' RT	HEADWALL, HEADWALL
505	2091576.6807	2346142.9301	IL78	900+07.64	59.366' RT	HEADWALL, HEADWALL
506	2091540.0510	2346060.0954	IL78	899+73.26	24.4282' LT	HEADWALL, HEADWALL
519	2091757.9115	2346158.1838	IL78	901+88.39	79.5113' RT	SHINER, SHINER
520	2091832.4034	2346162.5711	IL78	902+62.74	85.91' RT	SHINER, SHINER
521	2091936.2727	2346158.8362	IL78	903+66.67	84.9832' RT	SHINER, SHINER
522	2092809.6658	2346089.7290	IL78	912+41.61	39.5019' RT	SHINER, SHINER
523	2092875.9847	2346090.0620	IL78	913+07.90	41.6268' RT	SHINER, SHINER
524	2092981.6879	2346084.2686	IL78	914+13.72	38.6918' RT	SHINER, SHINER
525	2111274.3293	2345478.9404	IL78	1097+17.04	23.8444' RT	SHINER, SHINER
526	2111282.0975	2345480.4664	IL78	1097+24.77	25.54' RT	GUARDRAIL END SECTION, GUARDRAIL END SECTION
527	2111348.3105	2345430.4367	IL78	1097+92.06	23.0291' LT	SHINER, SHINER
528	2111355.9730	2345428.2666	IL78	1097+99.77	25.0311' LT	GUARDRAIL END SECTION, GUARDRAIL END SECTION
530	2104571.4260	2337741.6910	IL78	1032+81.02	7861.689' LT	SHINER, SHINER
532	2104590.6610	2337640.2663	IL78	1032+99.85	7962.4046' LT	SHINER
533	2104622.2874	2337689.7514	IL78	1033+24.74	7911.8943' LT	SHINER
534	2104573.9990	2338543.7509	IL78	1032+60.05	7060.0142' LT	SHINER, SHINER
535	2104575.7869	2338657.9621	IL78	1032+58.21	6945.8096' LT	SHINER, SHINER
536	2104652.9558	2338619.3000	IL78	1033+24.75	6981.8399' LT	SHINER, SHINER
540	2110625.6894	2345403.1315	IL78	1090+70.21	66.137' LT	SHINER, SHINER
541	2110567.1233	2345449.1647	IL78	1090+10.65	21.3962' LT	MAILBOX, MAILBOX
542	2110569.7192	2345546.0668	IL78	1090+11.13	75.5395' RT	HOUSE, HOUSE
543	2110593.6241	2345545.6005	IL78	1090+35.04	75.5963' RT	HOUSE, HOUSE
544	2110629.9635	2345516.1146	IL78	1090+72.01	46.9125' RT	SHINER, SHINER

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Default	PLOT DATE = Thu Oct 10 07:06:39 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL ALIGNMENT
IL78 & CANYON RD

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	29
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

ANELENE HEIDENREICH

39' PIPE CULVERT, CLASS D, TYPE 1-15", 2 EA. END SECTIONS 15"

HOUSE

BARN

TEMPORARY EASEMENT

EXISTING R.O.W.

PROPOSED R.O.W.

PROJECT BEGINS STA 907+25

STA 907+70

15" Pipe 24'

STA. 912+26
PROPOSED S.N. 043-1098
PROPOSED 67' CAST IN PLACE PIPE CULVERTS,
2 CELL 4' X 2'
0.00° SKEW
TWO PRECAST END SECTIONS (SEE DETAILS)
U/S INVERT = 918.08
D/S INVERT = 917.49

STA 912+16.38
74.70' LT

STA 912+36.63
74.70' LT

STONE RIPRAP, CLASS A4 WITH FILTER FABRIC

CONSTRUCTION LIMITS

STA 912+16.24
48.63' LT

STA 912+36.49
48.66' LT

907 | 908 | 909 | IL RTE 78 | 910+00 | 911 | 912

MATCHLINE STA. 913+00

SHOULDER TAPER (TYP)

45'

4'

7'

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

FO

FE

15" Pipe 24'

EXISTING R.O.W.

PROPOSED R.O.W.

TEMPORARY EASEMENT

CONSTRUCTION LIMITS

42'

20'

6" plastic field tile

EXISTING 6'x2.5' BOX CULVERT TO BE REMOVED

8" DRAIN PIPE

2 1/4" HMA SURFACE COURSE MIX "C", N 50
7'-HMA SHOULDERS, 5 1/2"

CLASS C PATCHING, TYPE IV, 10 INCH
LEVELING BINDER (MACHINE METHOD), N50
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
STA. 912+13 TO 912+39

PIPE UNDERDRAIN

STA. 908+30
TEMPORARY FENCE BEGINS

45' PIPE CULVERT, CLASS D, TYPE 1-15", 2 EA. END SECTIONS 15"

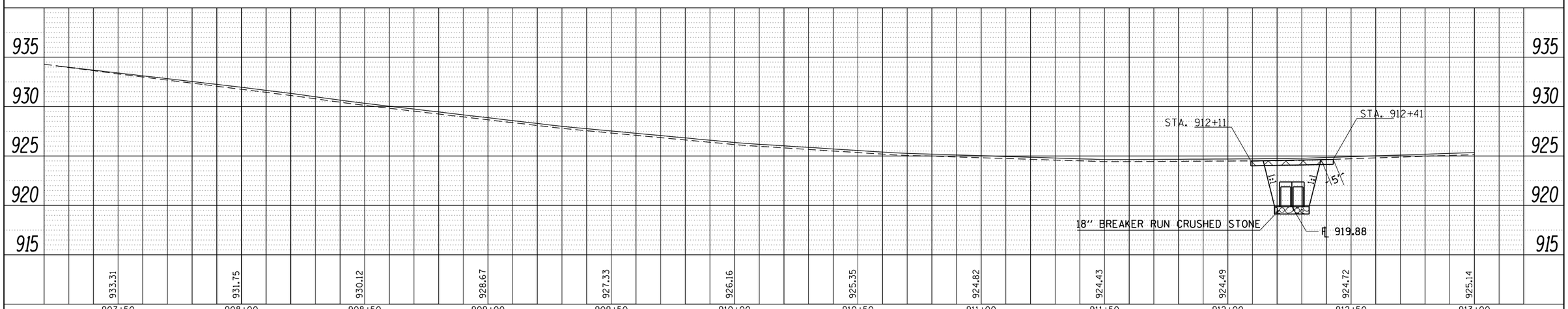
— xxx — xxx — = TEMPORARY FENCE

= TREE REMOVAL (EACH)

= PAVEMENT REMOVAL

0 50' 100'

CRAIG & KRIS HEIDENREICH



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PROFILE — DATE | BY | SURVEYED | PLOTTED | DRAWN | CHECKED | B.M. NOTED | STRUCTURE NO(TA)TNS CHKD | NOTE BOOK | NO.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78
SN 043-1098

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JODAVIESS	97	30
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

ANELENE HEIDEREICH

2 1/2" HMA SURFACE COARSE MIX "C", N 50
7'-HMA SHOULDERS, 5 1/2"

CONSTRUCTION LIMITS

PROPOSED R.O.W.

STA 915+58

PROJECT ENDS
STA 916+25

EXISTING R.O.W.

STA 915+80

FE

5" Pipe

MATCHLINE STA. 913+00

913 | 914 | 915+00 | 916 | IL RTE 78 | 917 | 918

PROPOSED R.O.W.

EXISTING R.O.W.

CONSTRUCTION LIMITS

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

STA. 914+90
TEMPORARY FENCE ENDS

— xxx — xxx — = TEMPORARY FENCE

X = TREE REMOVAL (EACH)

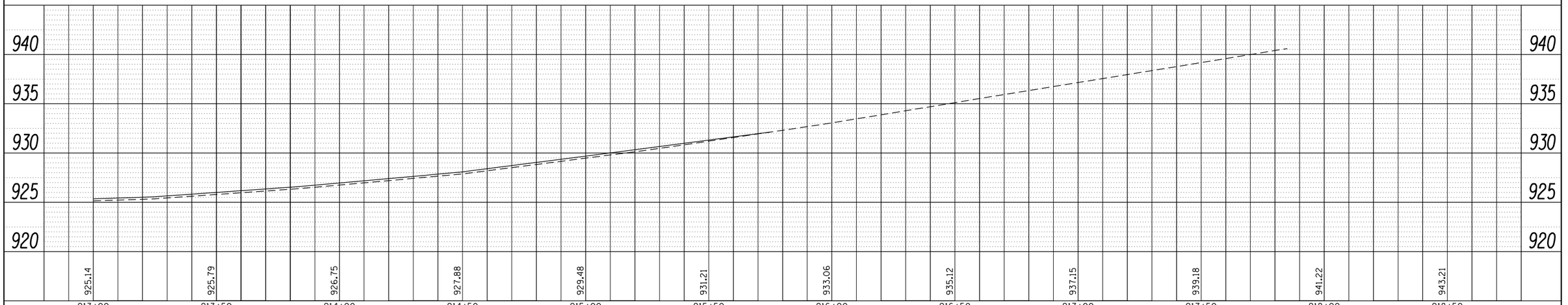
= PAVEMENT REMOVAL

0 50' 100'

PLAN
SURVEYED
PLOTTED
ADJOINT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
CROSS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

CRAIG & KRIS HEIDENREICH



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		DRAWN -	REVISED -
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	PLOT DATE = Thu Oct 10 07:09:39 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78
SN 043-1098

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JODAVIESS	97	31
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

S.N. 043-1097
STA. 1096+25
PROPOSED 133' PRECAST PIPE CULVERTS LINER EXTENSION,
EQRS 60"
18.5° SKEW
PRECAST END SECTION (SEE DETAIL) LT. SIDE
DROP BOX 4'X4'X10.59' (DEEP) RT., WEIR ELE. 945.00'
U/S INVERT = 934.41
D/S INVERT = 932.83

88' -15" PIPE CULVERT, CLASS D, TYPE 1,
2 EACH FLARED END SECTIONS

MANHOLE, TYPE A, 9' DIAMETER
STA 1096+48.21 LT
OFFSET 69.00'
U/S INVERT=933.11
D/S INVERT=932.91
RIM ELEVATION=942.22

TRADITIONAL INVESTMENTS LLC

STA 1097+10.73
125.34' LT

STA 1097+24.23
113.20' LT

STA 1096+85.67
104.08' LT

STA 1096+95.42
88.74' LT

STA 1096+41
75.08' LT

STA 1096+46.88
57.24' LT

PROPOSED R.O.W.

EXISTING GUARDRAIL TO BE REMOVED

CONSTRUCTION LIMITS

PROPOSED
PIPE CULVERT
CLASS A
TYPE 1, 60", 15'

TEMPORARY EASEMENT

EXISTING R.O.W.

15" Pipe
24'

FE

PLACE AGGREGATE
BASE COURSE TYPE B

IL RTE 78

SHOULDER
TAPER (TYP)

4'

7'

1094 | 1095+00 | 1096 | 1097 | 1098 | 1099

HOT-MIX ASPHALT SURFACE REMOVAL
BUTT JOINT
STA. 1093+33 TO 1093+78

HOT-MIX ASPHALT SURFACE REMOVAL
BUTT JOINT STA. 1098+73 TO 1099+18

PIPE UNDER DRAIN 12"
FRENCH DRAIN
FILTER FABRIC
SEE CROSS SECTIONS

STA 1096+03.77
45.66' RT

5'W X 7'H BOX

24'

15'

12'R
24'R

STA 1095+99
59.65' RT

TEMPORARY
EASEMENT

CONSTRUCTION LIMITS

EXISTING GUARDRAIL TO BE REMOVED

PROPOSED R.O.W.

STA 1096+29.29
95.77' RT

STA 1096+44.20
98.17' RT

EXISTING
5'x7'
BOX CULVERT
TO BE LINED

TODD AND KATHLEEN SARGENT

TRADITIONAL INVESTMENTS LLC

X = TREE REMOVAL (EACH)

= PAVEMENT REMOVAL

0 50' 100'

PLAN
DATE | BY
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
PROFILE CHECKED
BM. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.

960			
955			955
950			950
945			945
940			940
935			935
	961.10	959.66	958.17
	956.74	955.40	954.21
	953.22	952.31	951.59
	950.99	950.50	950.11
	1094+00	1094+50	1095+00
	1095+50	1096+00	1096+50
	1097+00	1097+50	1098+00
	1098+50	1099+00	1099+50

FILE NAME = c:\pw_work\pwidot\rundbladerrr\d0232736\D201310-sht-plnprf.dgn	USER NAME = rundbladerr	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78
SN 043-1097

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JODAVIESS	97	32
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

STEVE & DIANE ROGERS

ROGERS BROTHERS

SAMUEL CLEMENTZ

THOMAS & ROSALIE SPANOS

6" Steel Pile

Waterway

20'

4' - AGGREGATE SHOULDERS, TYPE A 8"

STA 103+70

CONSTRUCTION LIMITS

PROJECT BEGINS
STA 103+25

PROPOSED R.O.W.

JUNCTION VAULT
STA 105+59-82.3' LT

8" PIPE DRAIN

47'

47'

20'

CLASS C PATCHING, TYPE IV, 10 INCH
LEVELING BINDER (MACHINE METHOD), N50
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
STA. 105+64 TO 106+26

PROJECT ENDS
STA 109+25

STA 108+80

EXISTING R.O.W.

N

103 | 104 | CANYON ROAD | 105+00 | 106 | 107 | 108 CANYON ROAD | 109

5' x 8' x 10' BOX

EXISTING R.O.W.

PROPOSED R.O.W.

S.N. H043-C111-05005-01A
STA. 105+92.74
PROPOSED 107' CULVERT
ID 60"
15° SKEW
PRECAST END SECTION (SEE DETAILS) RT. SIDE
DROP BOX 8'X5'X10' (DEEP) LT.
U/S INVERT = 901.94
D/S INVERT = 901.44

STA 106+05
75.50' RT

STA 106+20
71.52' RT

15.5'

CONSTRUCTION LIMITS

30'

25'

STA 106+37.88
100.00' RT

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

4' - AGGREGATE SHOULDERS, TYPE A 4"

STA. 103+00
TEMPORARY FENCE BEGINS

EXISTING FENCE
TO BE REMOVED

STA. 107+50
TEMPORARY FENCE ENDS

— xxx — xxx — = TEMPORARY FENCE

= TREE REMOVAL (EACH)

= PAVEMENT REMOVAL

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

PIPE UNDERDRAIN

STA 106+21.84
100.00' RT

16'

STONE RIPRAP, CLASS A4
WITH FILTER FABRIC

170' PIPE UNDERDRAIN 4"
2 EA. CONCRETE HEADWALLS
FOR PIPE DRAINS

0 50' 100'

PLAN

DATE | BY | SURVEYED | PLOTTED | DESIGNED | CHECKED | QUANTITY CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO.

PROFILE

DATE | BY | SURVEYED | PLOTTED | CLASS'S CHECKED | BAR. NOTED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO.

925
920
915
910
905
900

STA. 105+64

STA. 106+26

5:1

1:1

1:1

℄ 901.40

42" BREAKER RUN CRUSHED STONE

928.05 | 925.67 | 923.30 | 921.48 | 920.15 | 919.30 | 919.32 | 919.84 | 920.80 | 922.33 | 924.32 | 926.65

103+50 | 104+00 | 104+50 | 105+00 | 105+50 | 106+00 | 106+50 | 107+00 | 107+50 | 108+00 | 108+50 | 109+00

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Default	PLOT DATE = Thu Oct 10 07:08:57 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANYON ROAD
SN H043-C111-05005-01A

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JODAVIESS	97	33
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

DALE MUELLER

JAMES & MARIA CROPPER

STA. 119+63
PROPOSED S.N. 043-1099
PROPOSED 55' CULVERT
EQRS 78"
15.0° SKEW
TWO PRECAST END SECTIONS (SEE DETAILS)
U/S INVERT = 887.79
D/S INVERT = 887.29

CLASS C PATCHING, TYPE IV, 10 INCH
LEVELING BINDER (MACHINE METHOD), N50
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
STA. 119+13 TO 119+84

STA. 120+75
TEMPORARY FENCE ENDS

PROJECT ENDS
STA 120+77

CATTLE SHED

N

STA. 118+50
TEMPORARY FENCE BEGINS

GUARDRAIL REMOVAL

4' - AGGREGATE SHOULDERS, TYPE A 8"

PROPOSED R.O.W.

PROJECT BEGINS
STA 118+25

EXISTING R.O.W.

CANYON ROAD

117 118 119 120+00 121 122

20'

25'

22'

15'

6:1

5.5'x5.5'

STA 119+66.69
53.82' RT

STA 119+86.30
48.76' RT

EXISTING R.O.W.

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

STA. 118+50
TEMPORARY FENCE BEGINS

STA 118+70

CONSTRUCTION LIMITS

EXISTING
5'x5.5'
BOX CULVERT
TO BE REMOVED

PIPE UNDERDRAIN

20'

22'

42'

4' - AGGREGATE SHOULDERS, TYPE A 4"

STA. 120+50
TEMPORARY FENCE ENDS

STA 120+32

PROPOSED R.O.W.

18'

8'

STA 119+95.5
79.81' RT

STA 119+77.56
95.00' RT

STA 119+85
95.00' RT

X = TREE REMOVAL (EACH)

= PAVEMENT REMOVAL

0 50' 100'

THOMAS & ROSALIE SPANOS

915 910 905 900 895 890 885

STA. 119+33

STA. 119+69

-5%

1:1

1:1

℄ 887.30

18" BREAKER RUN CRUSHED STONE

915.29 911.63 907.90 904.27 901.25 898.56 896.15 894.01 892.27 890.83 889.64 888.60

116+50 117+00 117+50 118+00 118+50 119+00 119+50 120+00 120+50 121+00 121+50 122+00

PLAN
DATE
BY
SURVEYED
PLOTTED
QUANTITIES CHECKED
R/T. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
QUANTITIES CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

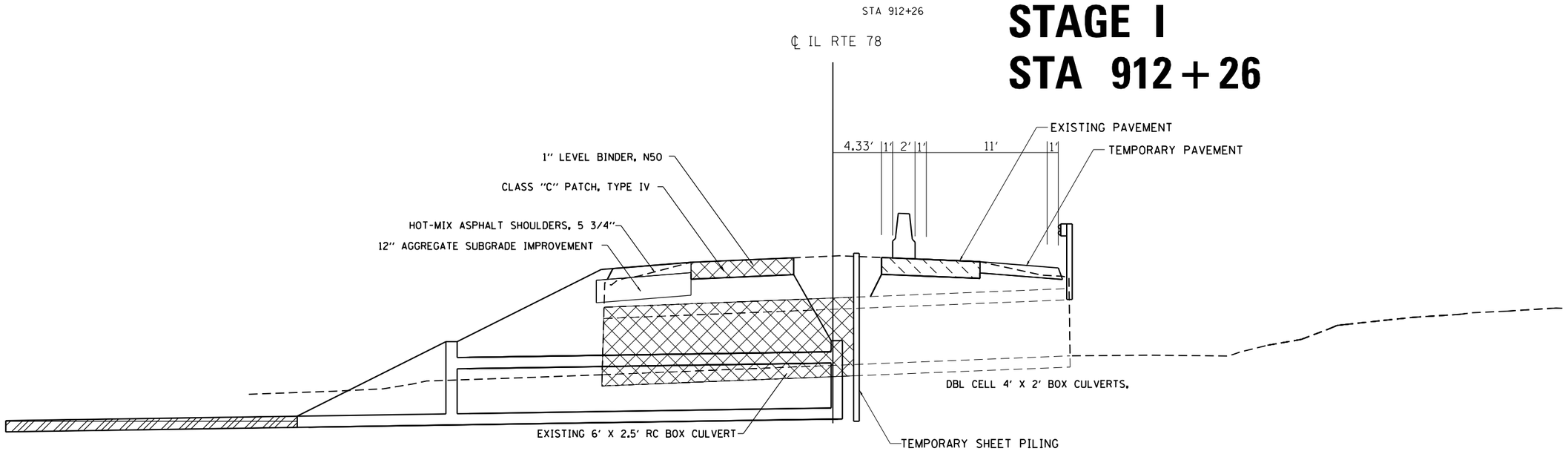
CANYON ROAD
SN 043-1099

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

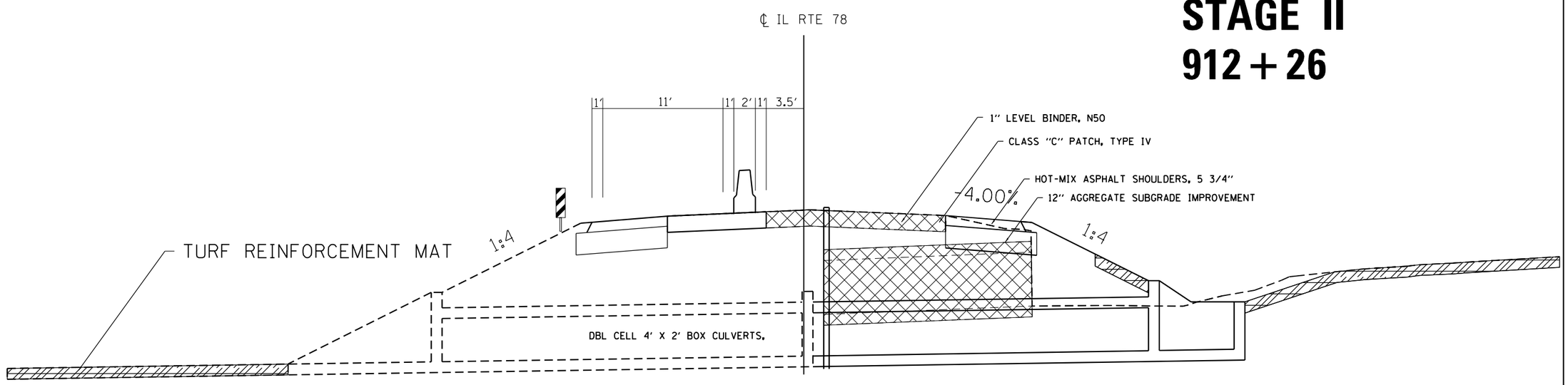
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JODAVIESS	97	34
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

TYPICAL SECTIONS

STAGE I
STA 912 + 26



STAGE II
912 + 26



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL RTE 78

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

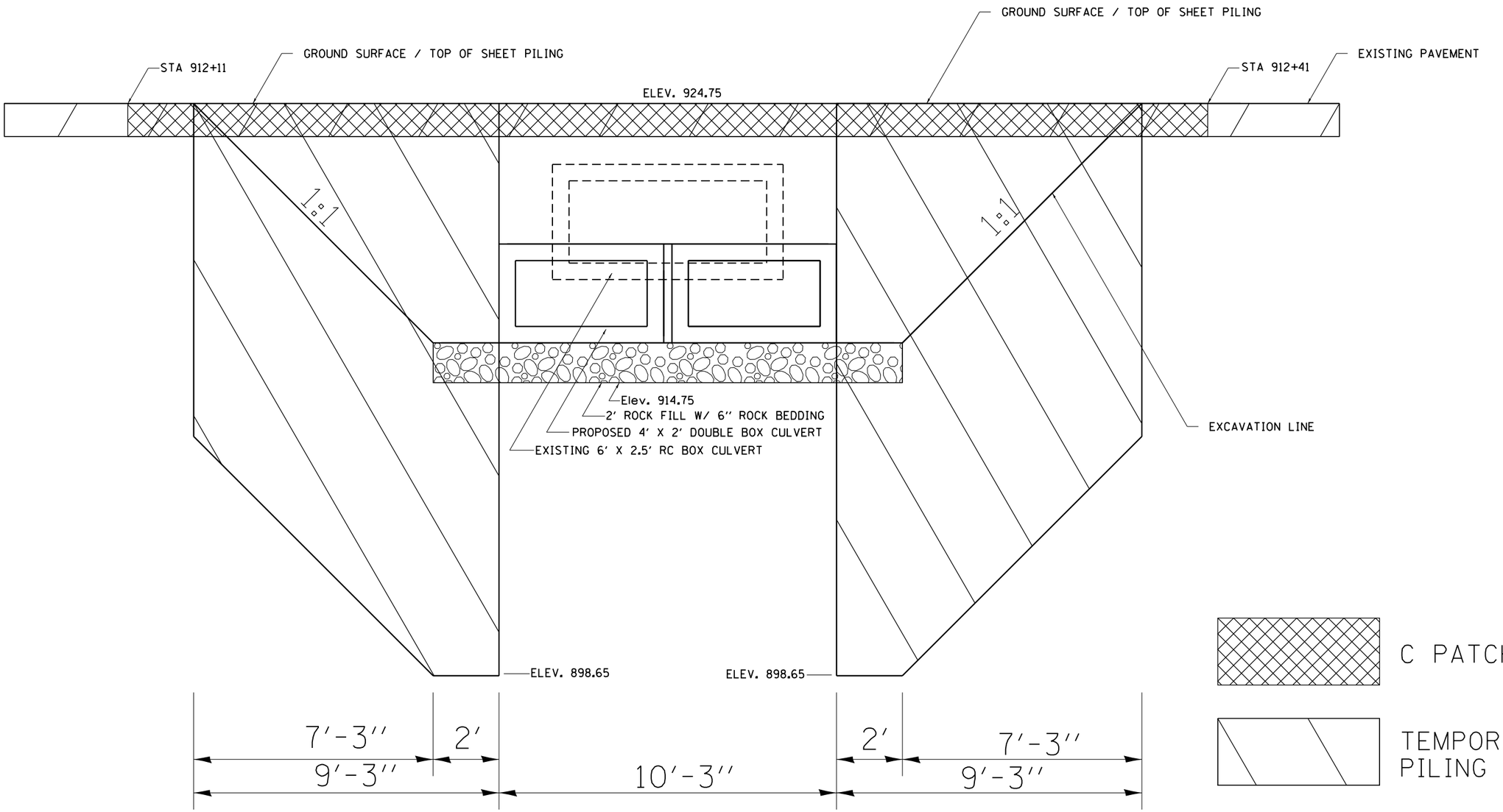
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	35
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

TEMPORARY SHEET PILING

MODULUS = 9IN^3/FT

NOTES:

- IF THE CONTRACTOR CHOOSES TO ALTER DESIGN REQUIREMENTS SHOWN ON THE PLANS, A DESIGN SUBMITTAL INCLUDING PLAN DETAILS AND ACCEPTANCE BY ENGINEER



C PATCH

TEMPORARY SHEET PILING DETAIL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET PILE DETAIL

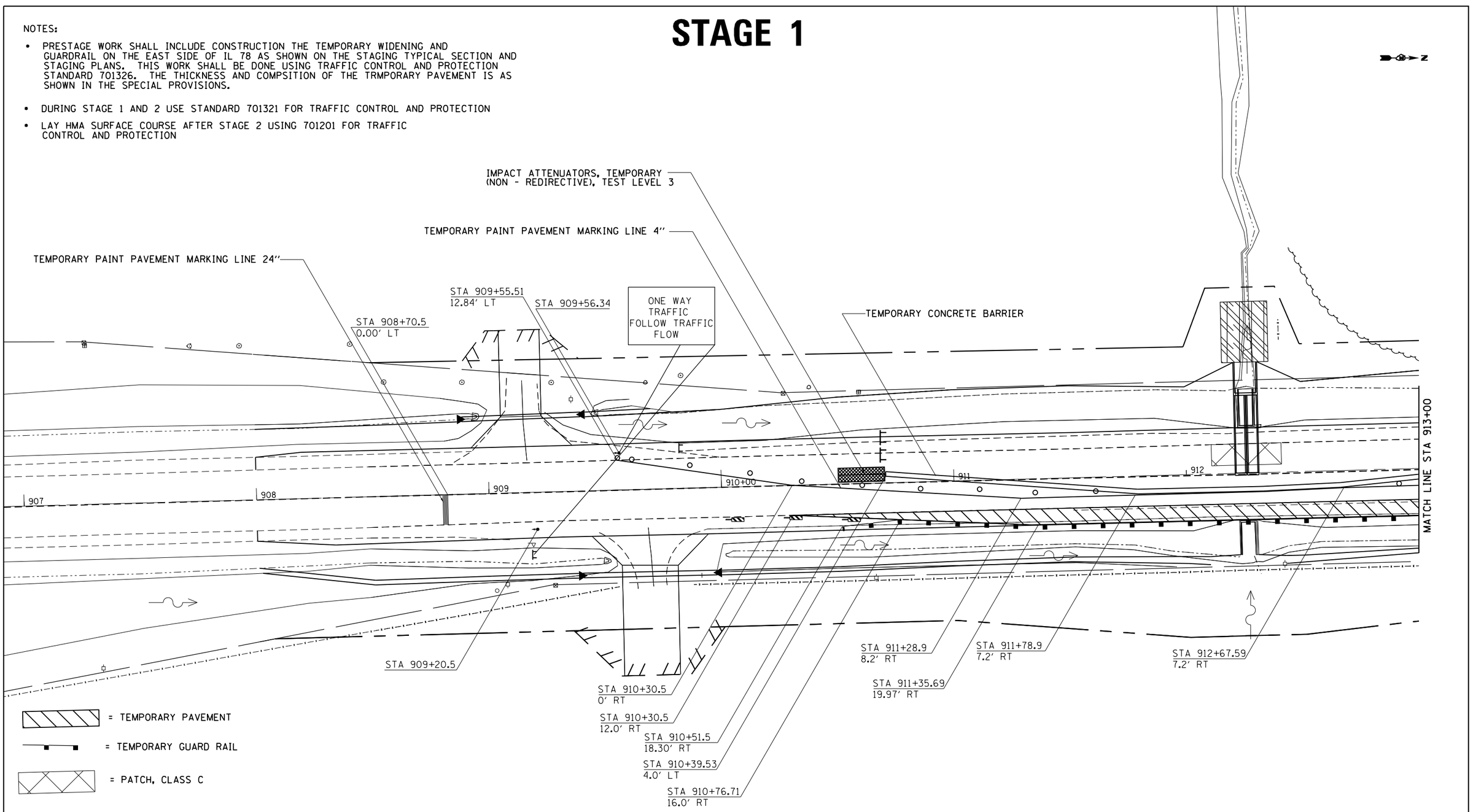
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	36
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

STAGE 1

NOTES:

- PRESTAGE WORK SHALL INCLUDE CONSTRUCTION THE TEMPORARY WIDENING AND GUARDRAIL ON THE EAST SIDE OF IL 78 AS SHOWN ON THE STAGING TYPICAL SECTION AND STAGING PLANS. THIS WORK SHALL BE DONE USING TRAFFIC CONTROL AND PROTECTION STANDARD 701326. THE THICKNESS AND COMPSITION OF THE TRMPORARY PAVEMENT IS AS SHOWN IN THE SPECIAL PROVISIONS.
- DURING STAGE 1 AND 2 USE STANDARD 701321 FOR TRAFFIC CONTROL AND PROTECTION
- LAY HMA SURFACE COURSE AFTER STAGE 2 USING 701201 FOR TRAFFIC CONTROL AND PROTECTION



= TEMPORARY PAVEMENT

= TEMPORARY GUARD RAIL

= PATCH, CLASS C

= IMPACT ATTENUATOR

= DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT

= TYPE III BARRICADE WITH FLASHING LIGHTS

= TRAFFIC SIGNAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS
IL 78

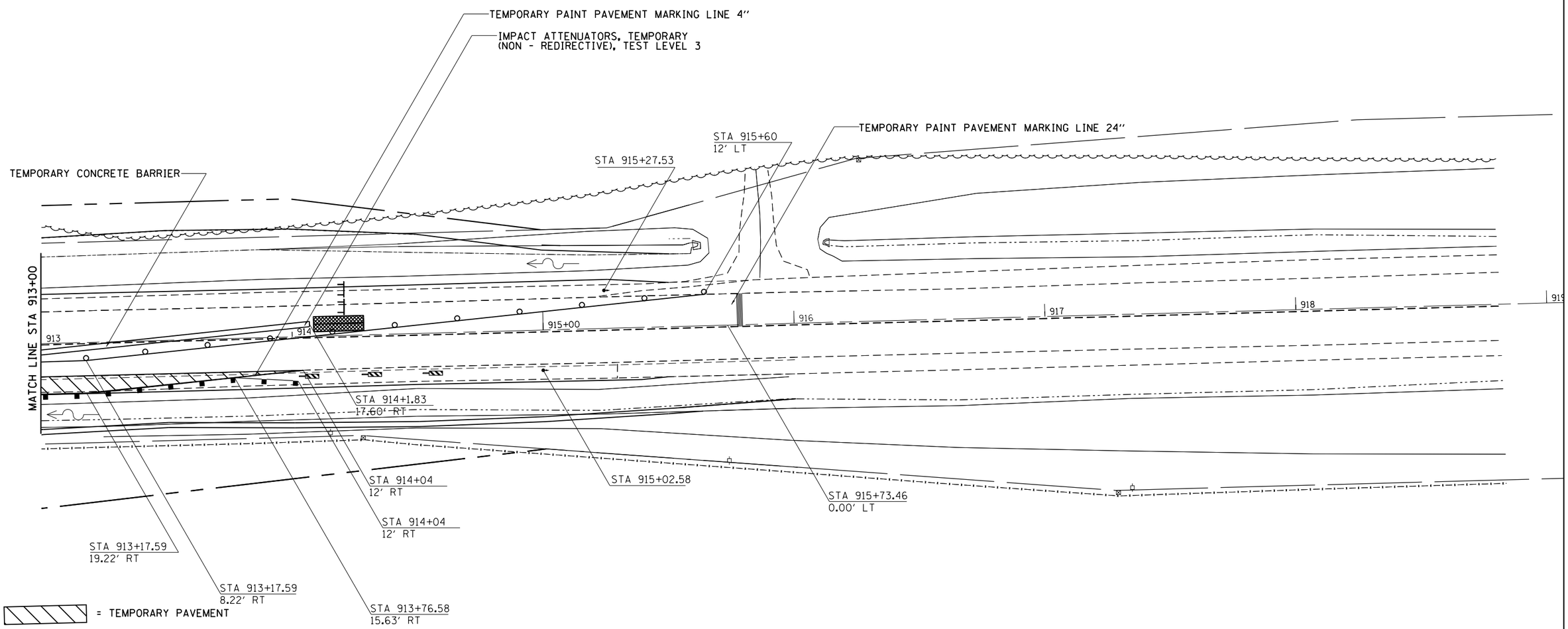
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	37
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

STAGE 1

NOTES:

- PRESTAGE WORK SHALL INCLUDE CONSTRUCTION THE TEMPORARY WIDENING AND GUARDRAIL ON THE EAST SIDE OF IL 78 AS SHOWN ON THE STAGING TYPICAL SECTION AND STAGING PLANS. THIS WORK SHALL BE DONE USING TRAFFIC CONTROL AND PROTECTION STANDARD 701326. THE THICKNESS AND COMPSITION OF THE TRMPORARY PAVEMENT IS AS SHOWN IN THE SPECIAL PROVISIONS.
- DURING STAGE 1 AND 2 USE STANDARD 701321 FOR TRAFFIC CONTROL AND PROTECTION
- LAY HMA SURFACE COURSE AFTER STAGE 2 USING 701201 FOR TRAFFIC CONTROL AND PROTECTION



= TEMPORARY PAVEMENT

= TEMPORARY GUARD RAIL

= PATCH, CLASS C

= IMPACT ATTENUATOR

= DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT

= TYPE III BARRICADE WITH FLASHING LIGHTS

= TRAFFIC SIGNAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS
IL 78

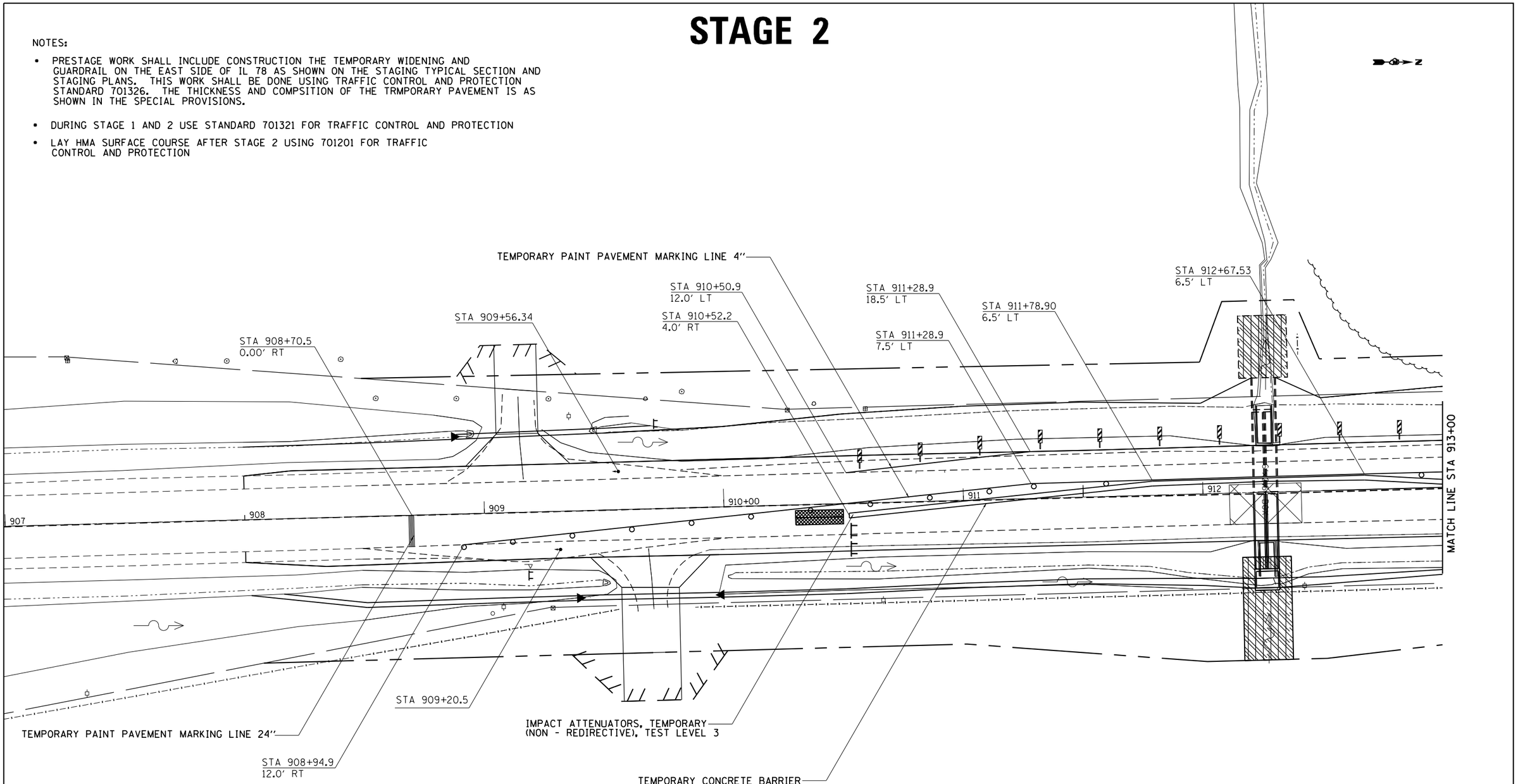
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	38
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

STAGE 2

NOTES:

- PRESTAGE WORK SHALL INCLUDE CONSTRUCTION THE TEMPORARY WIDENING AND GUARDRAIL ON THE EAST SIDE OF IL 78 AS SHOWN ON THE STAGING TYPICAL SECTION AND STAGING PLANS. THIS WORK SHALL BE DONE USING TRAFFIC CONTROL AND PROTECTION STANDARD 701326. THE THICKNESS AND COMPSITION OF THE TRMPORARY PAVEMENT IS AS SHOWN IN THE SPECIAL PROVISIONS.
- DURING STAGE 1 AND 2 USE STANDARD 701321 FOR TRAFFIC CONTROL AND PROTECTION
- LAY HMA SURFACE COURSE AFTER STAGE 2 USING 701201 FOR TRAFFIC CONTROL AND PROTECTION



= PATCH, CLASS C

= IMPACT ATTENUATOR

o = DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT

= TYPE III BARRICADE WITH FLASHING LIGHTS

= TRAFFIC SIGNAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS
IL 78

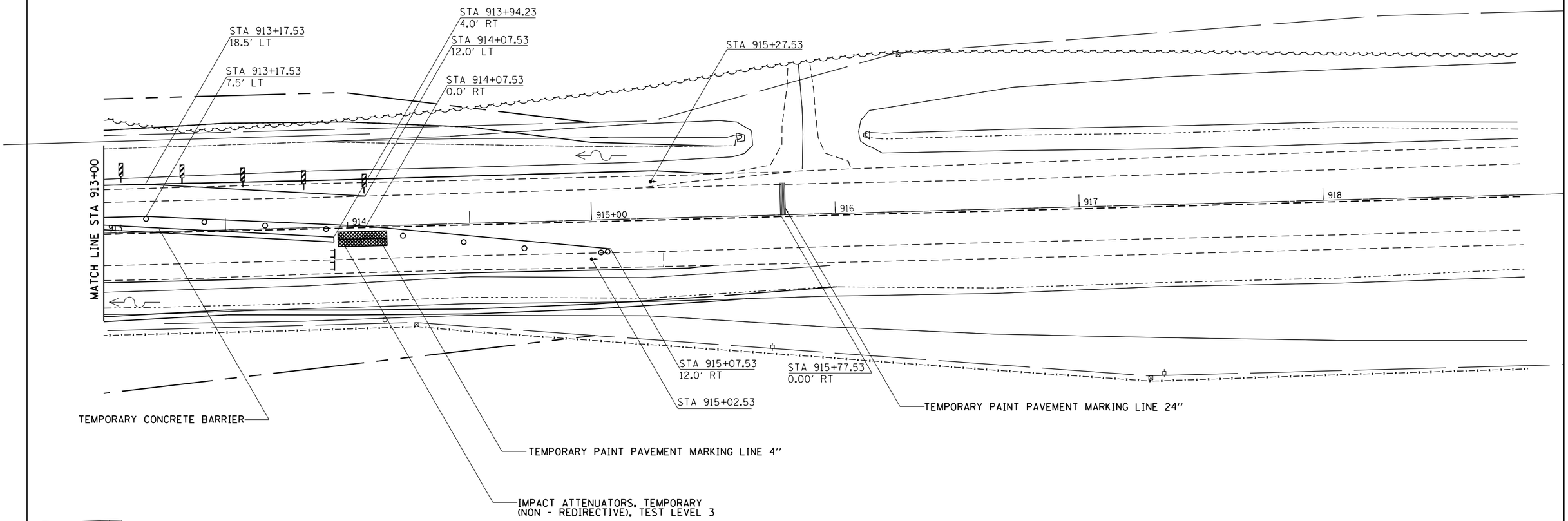
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	39
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

STAGE 2

NOTES:

- PRESTAGE WORK SHALL INCLUDE CONSTRUCTION THE TEMPORARY WIDENING AND GUARDRAIL ON THE EAST SIDE OF IL 78 AS SHOWN ON THE STAGING TYPICAL SECTION AND STAGING PLANS. THIS WORK SHALL BE DONE USING TRAFFIC CONTROL AND PROTECTION STANDARD 701326. THE THICKNESS AND COMPSITION OF THE TRMPORARY PAVEMENT IS AS SHOWN IN THE SPECIAL PROVISIONS.
- DURING STAGE 1 AND 2 USE STANDARD 701321 FOR TRAFFIC CONTROL AND PROTECTION
- LAY HMA SURFACE COURSE AFTER STAGE 2 USING 701201 FOR TRAFFIC CONTROL AND PROTECTION



= PATCH, CLASS C

= IMPACT ATTENUATOR

= DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT

= TYPE III BARRICADE WITH FLASHING LIGHTS

= TRAFFIC SIGNAL

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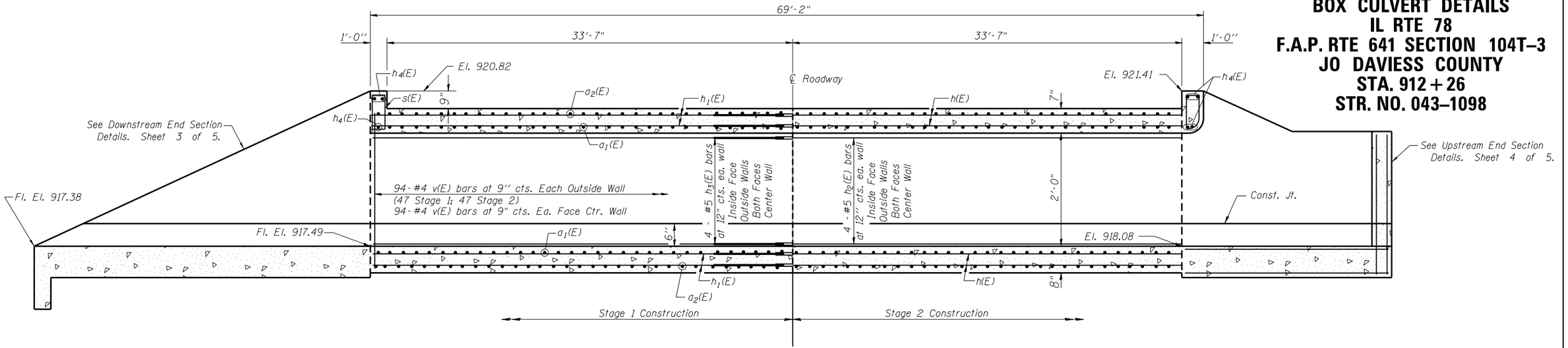
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING PLANS
IL 78

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	40
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

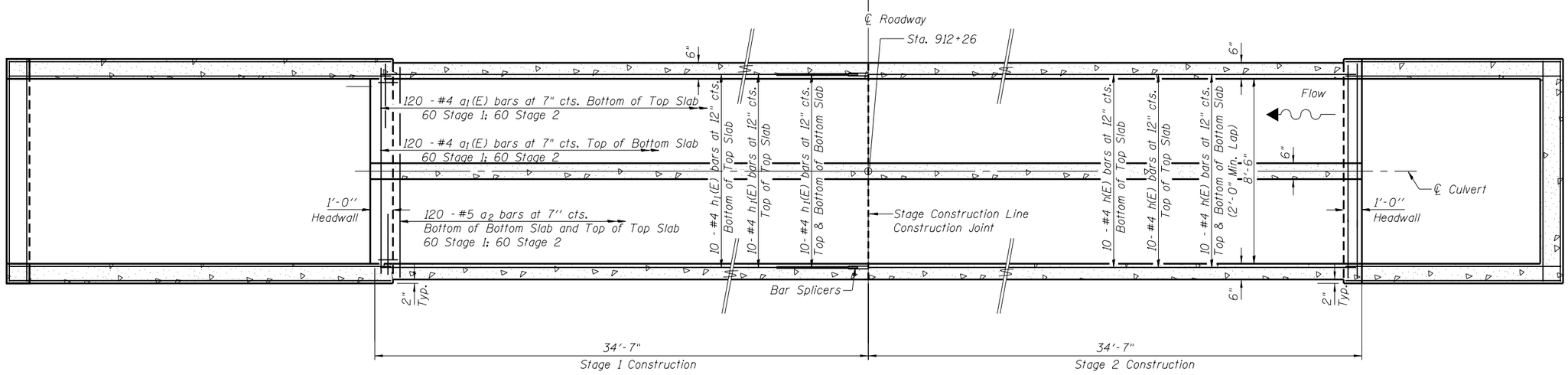
BOX CULVERT DETAILS
IL RTE 78
F.A.P. RTE 641 SECTION 104T–3
JO DAVIESS COUNTY
STA. 912 + 26
STR. NO. 043–1098



ELEVATION
(Showing Barrel Bars)

STAGE 1

STAGE 2



PLAN
(Showing Barrel Bars)

NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

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

Bars desgnated (E) shall be epoxy coated.

BAR LAP

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT DETAILS STA. 912 + 26
STRUCTURE NO. 043–1098
SHEET 2 OF 5 SHEETS STA. 912+26

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JO DAVIESS	97	41
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

925
920
930
925
920
930
925
930
925

925.89
926.00
925.39
922.42
922.00
PR ROW
EX ROW
PR ROW

C=0 F=0

910 + 00.0000

909 + 69.2453

909 + 50.0000

909 + 15.4790

909 + 00.0000

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78
TEMPORARY PAVEMENT

SCALE: | SHEET OF SHEETS | STA. 909+00.0000 TO STA.910+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	42
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	NOTE BOOK	NO.

BY	DATE
SURVEYED	
PLOTTED	
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AREAS	
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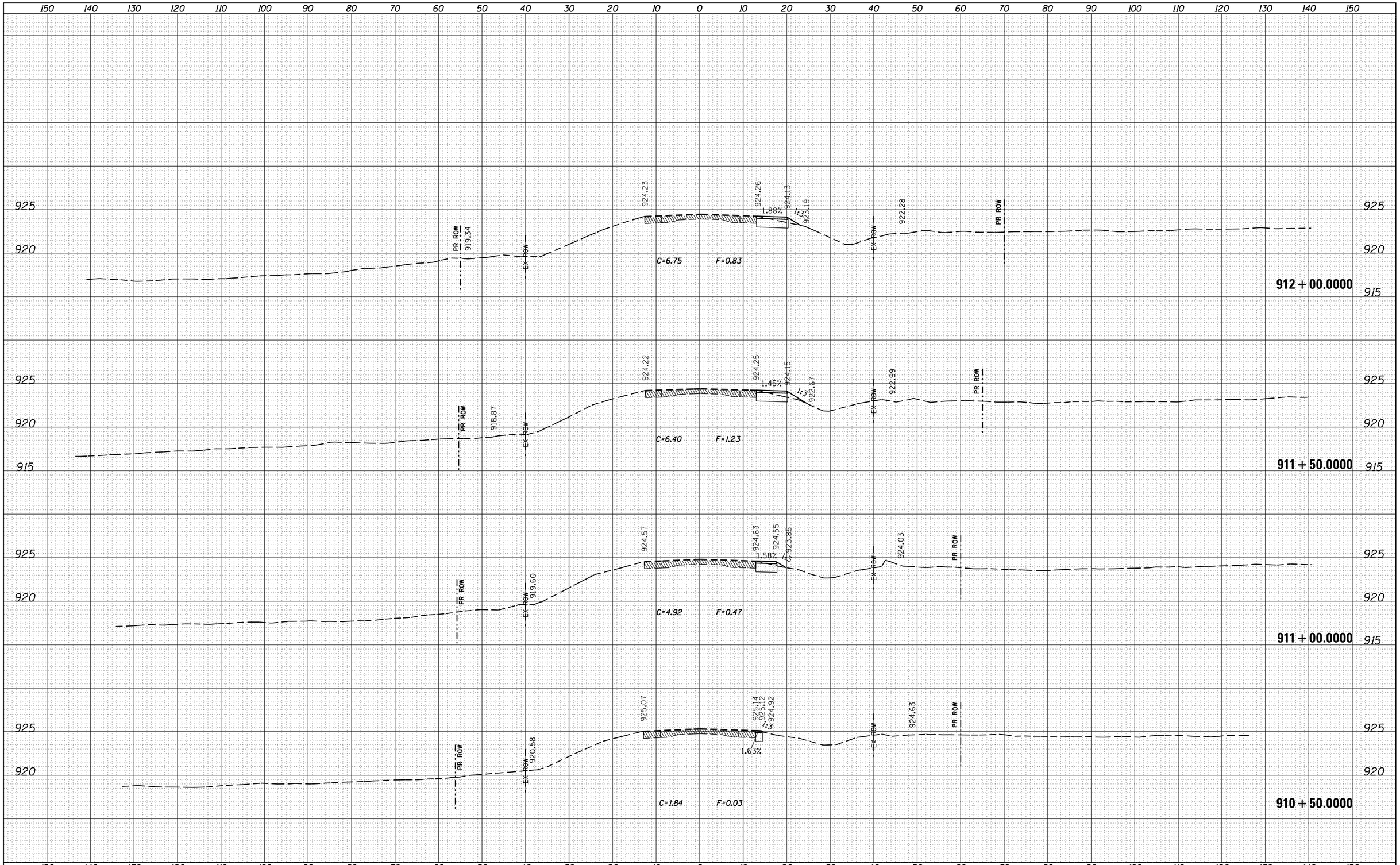

ORIGINAL SURVEY	NOTE BOOK	NO.

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	

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		DATE -	REVISED -

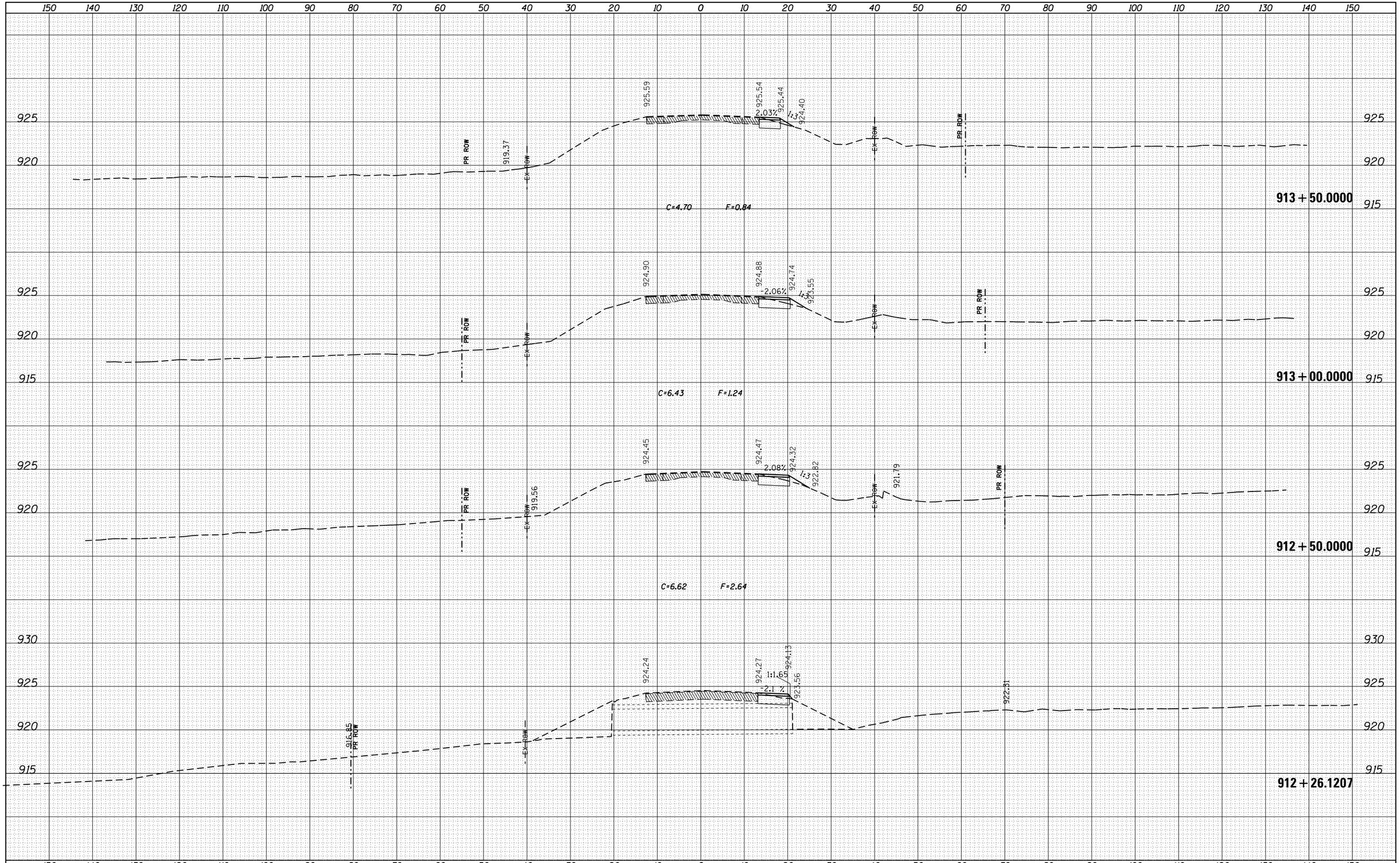
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

TEMPORARY PAVEMENT

SCALE: | SHEET OF SHEETS | STA. 910+50.0000 TO STA. 912+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	43
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78
TEMPORARY PAVEMENT

SCALE: | SHEET OF SHEETS | STA. 912+26.1207 TO STA. 913+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	44
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

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

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

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

930 925 920

916 + 00.0000

915 + 87.1284

915 + 50.0000

915 + 00.0000

914 + 50.0000

914 + 00.0000

927.69 927.67

PR ROW EX ROW EX ROW PR ROW

C=0 F=0

926.57 926.51 926.50 926.40

1.92% 1.3

PR ROW EX ROW EX ROW PR ROW

C=0.65 F=0.01

915

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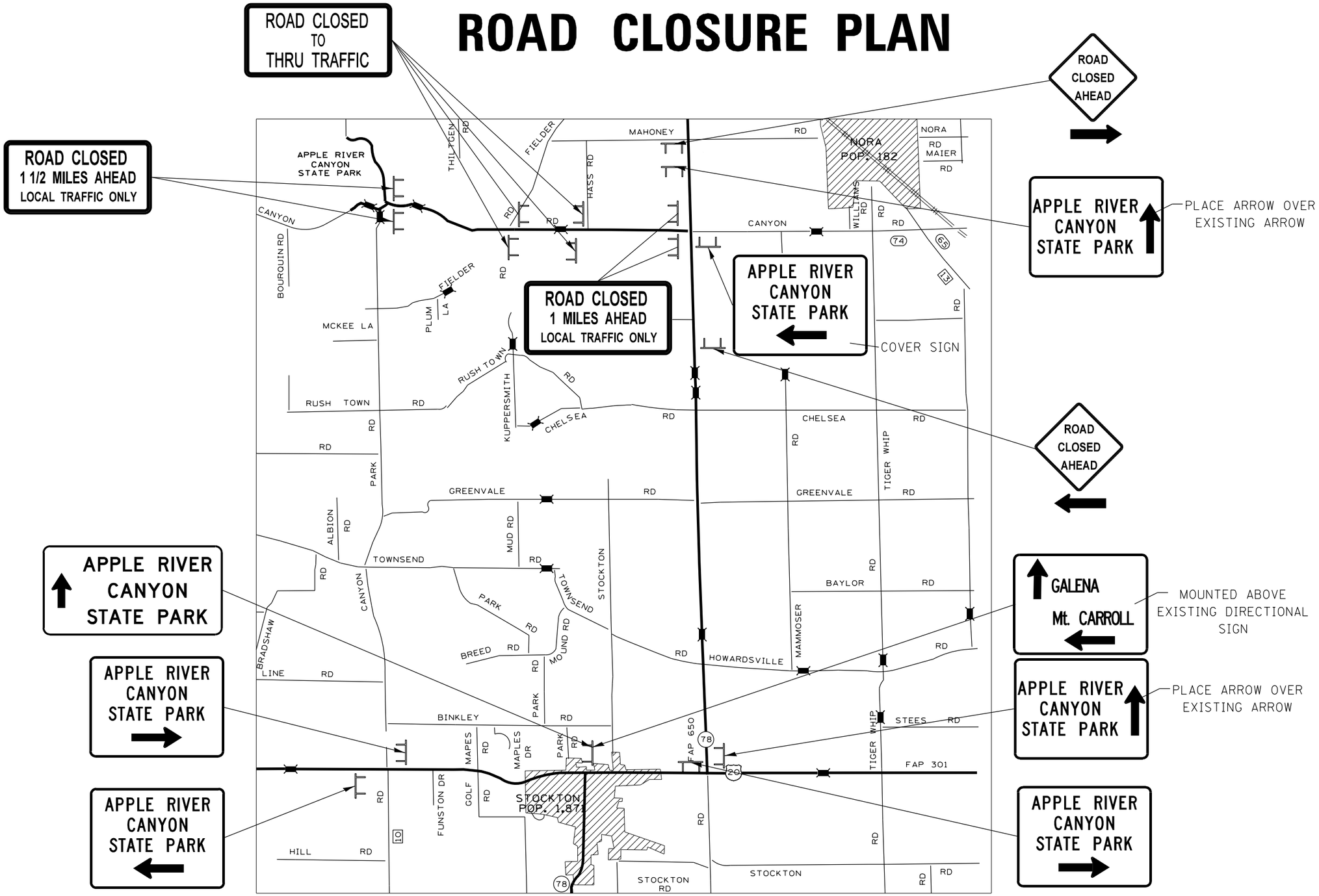
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78
TEMPORARY PAVEMENT

SCALE: | SHEET OF SHEETS | STA. 914+00.0000 TO STA. 916+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	45
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

ROAD CLOSURE PLAN



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		DRAWN -	REVISED -					650	104T-3	JO DAVIESS	97	46
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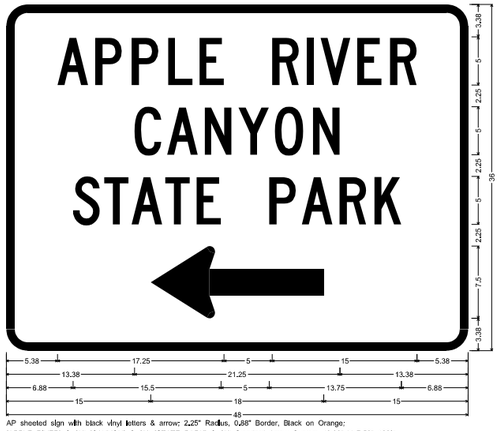
	PLOT DATE = Thu Oct 10 07:23:35 2013	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.			ILLINOIS FED. AID PROJECT		

TEMPORARY SIGNING DETAILS

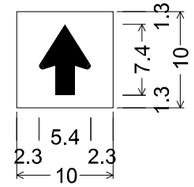


AP sheeted sign with black vinyl letters & arrow; 2.25" Radius, 0.88" Border, Black on Orange;
[APPLE RIVER] C 2K; [CANYON] C 2K; [STATE PARK] C 2K; Standard Arrow Custom 18.00" X 7.50" 180°;
Table of letter and object lefts.

A	P	P	L	E	R	I	V	E	R	
5.38	9.25	13.00	16.88	20.13	27.63	31.25	32.63	36.50	39.88	
C	A	N	Y	O	N					
13.38	16.75	20.63	24.13	27.88	31.88					
S	T	A	T	E	P	A	R	K		
6.88	10.13	13.00	16.50	19.75	27.38	30.75	34.63	38.25		
← 15.00										

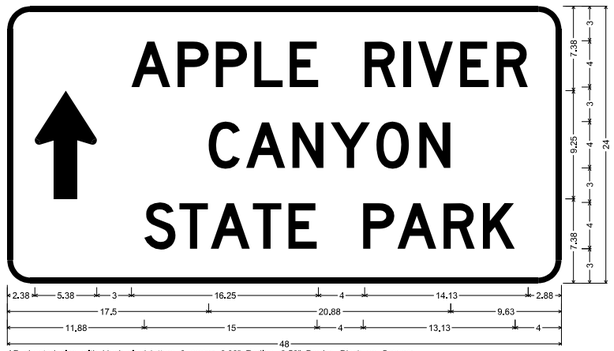
AP sheeted sign with black vinyl letters & arrow; 2.25" Radius, 0.88" Border, Black on Orange;
[APPLE RIVER] C 2K; [CANYON] C 2K; [STATE PARK] C 2K; Standard Arrow Custom 18.00" X 7.50" 0°;
Table of letter and object lefts.

A	P	P	L	E	R	I	Y	E	R	
5.38	9.25	13.00	16.88	20.13	27.63	31.25	32.63	36.50	39.88	
C	A	N	Y	O	N					
13.38	16.75	20.63	24.13	27.88	31.88					
S	T	A	T	E	P	A	R	K		
6.88	10.13	13.00	16.50	19.75	27.38	30.75	34.63	38.25		
← 15.00										



No border, Black on Orange;
Standard Arrow Custom 7.4" X 5.4" 90°;

NOTE: ARROW TO ALTER SIGN AT US 20 AND IL 78 AND AT IL 78 AND CANYON ROAD



AP sheeted sign with black vinyl letters & arrow; 2.00" Radius, 0.50" Border, Black on Orange;
Standard Arrow Custom 9.38" X 5.38" 90°; [APPLE RIVER] D 2K; [CANYON] D 2K; [STATE PARK] D 2K;
Table of letter and object lefts.

↑	A	P	P	L	E	R	I	V	E	R
2.38	10.75	14.75	18.13	21.38	24.50	31.00	34.38	35.63	39.25	42.38
C	A	N	Y	O	N					
17.50	20.75	24.75	28.00	32.00	35.75					
S	T	A	T	E	P	A	R	K		
11.88	14.88	17.63	21.25	24.38	30.88	33.75	37.75	41.25		

FILE NAME =	USER NAME = rundbladerr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY SIGNING DETAILS			
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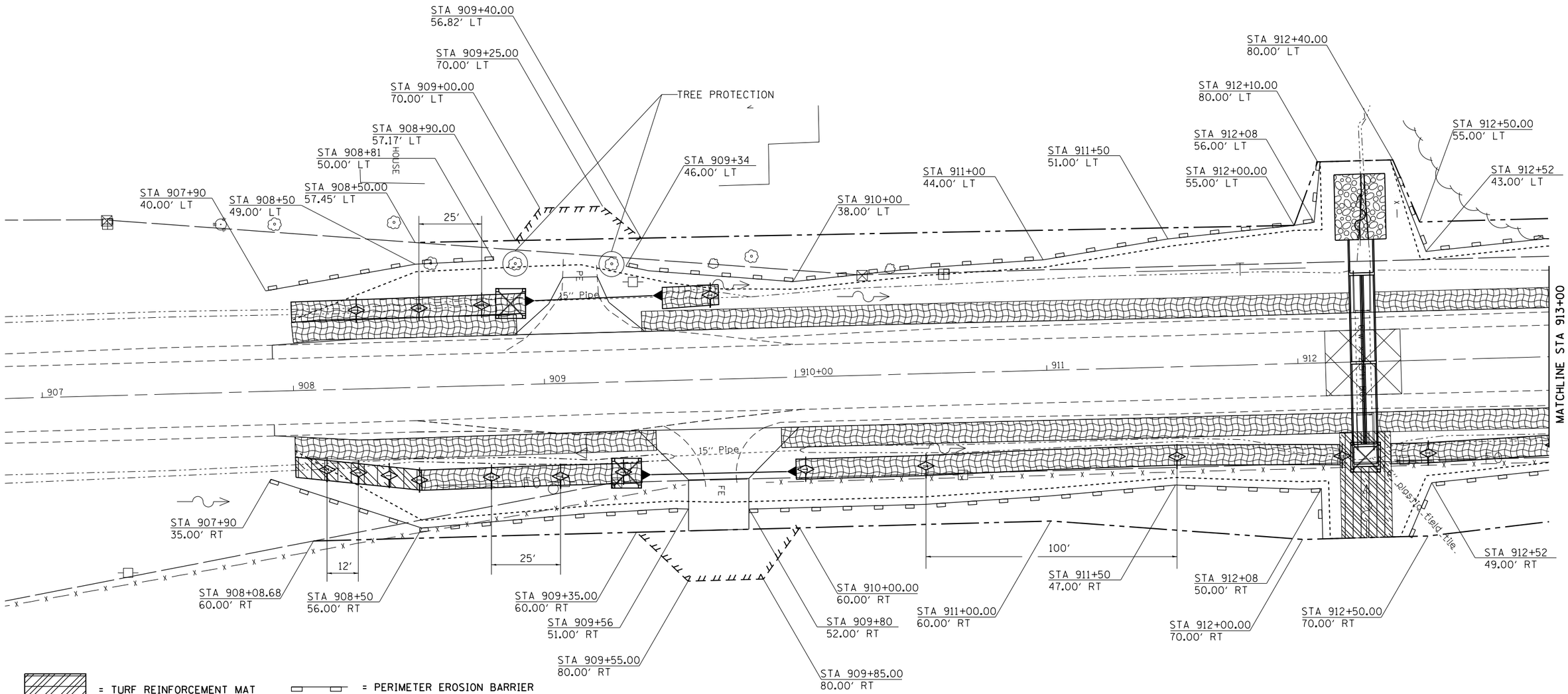
Default	PLOT DATE = Thu Oct 10 07:23:52 2013	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA.	TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JoDAVIESS	97	47
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

R.O.W., EROSION CONTROL, & SEEDING DETAILS



= TURF REINFORCEMENT MAT

= STONE RIPRAP, CLASS A4

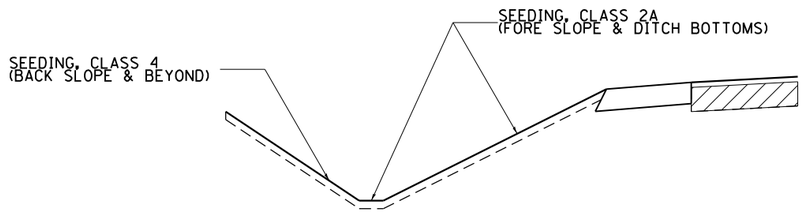
= EROSION CONTROL BLANKET

= PERIMETER EROSION BARRIER

= INLET AND PIPE PROTECTION

= TEMPORARY DITCH CHECK

SEEDING DETAIL



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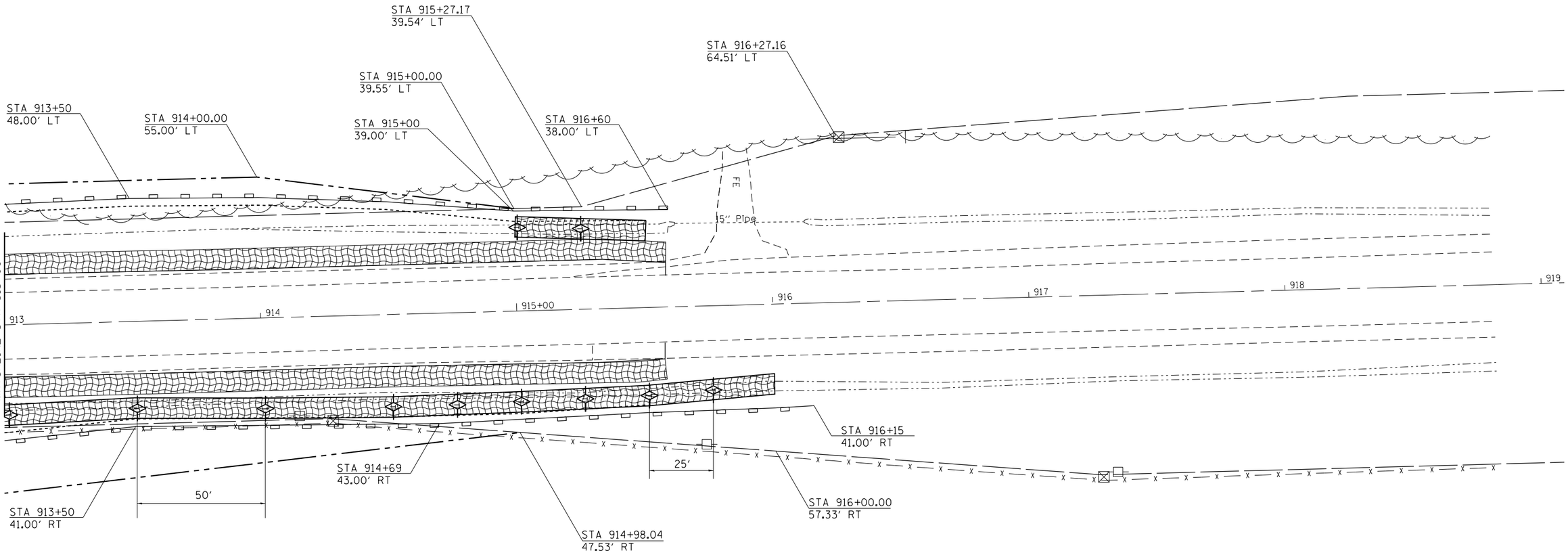
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
IL 78

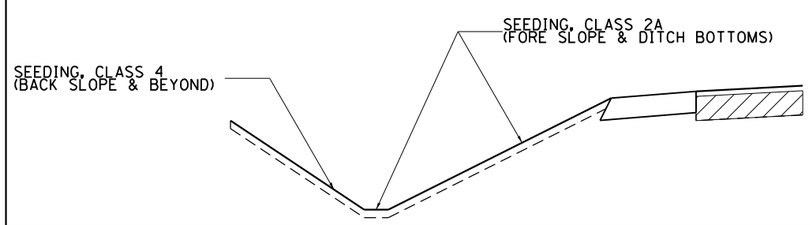
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	48
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

R.O.W., EROSION CONTROL, & SEEDING DETAILS



SEEDING DETAIL



= TURF REINFORCEMENT MAT

= STONE RIPRAP, CLASS A4

= EROSION CONTROL BLANKET

= PERIMETER EROSION BARRIER

= INLET AND PIPE PROTECTION

= TEMPORARY DITCH CHECK

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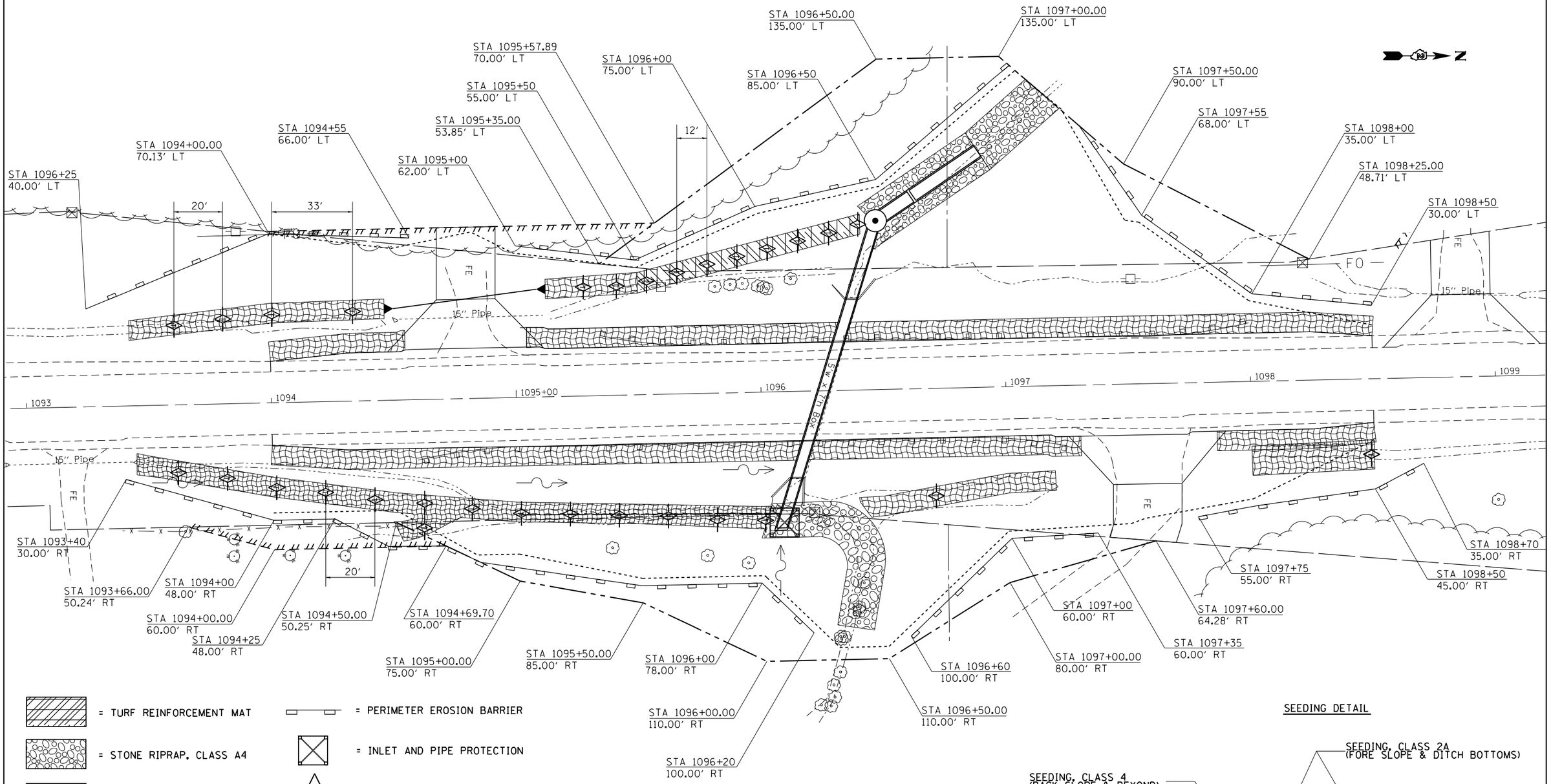
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
IL 78

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	49
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

R.O.W., EROSION CONTROL, & SEEDING DETAILS



= TURF REINFORCEMENT MAT

= STONE RIPRAP, CLASS A4

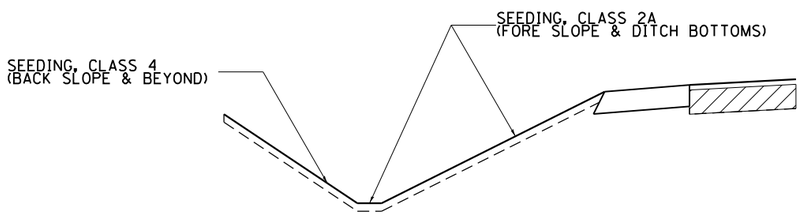
= EROSION CONTROL BLANKET

= PERIMETER EROSION BARRIER

= INLET AND PIPE PROTECTION

= TEMPORARY DITCH CHECK

SEEDING DETAIL



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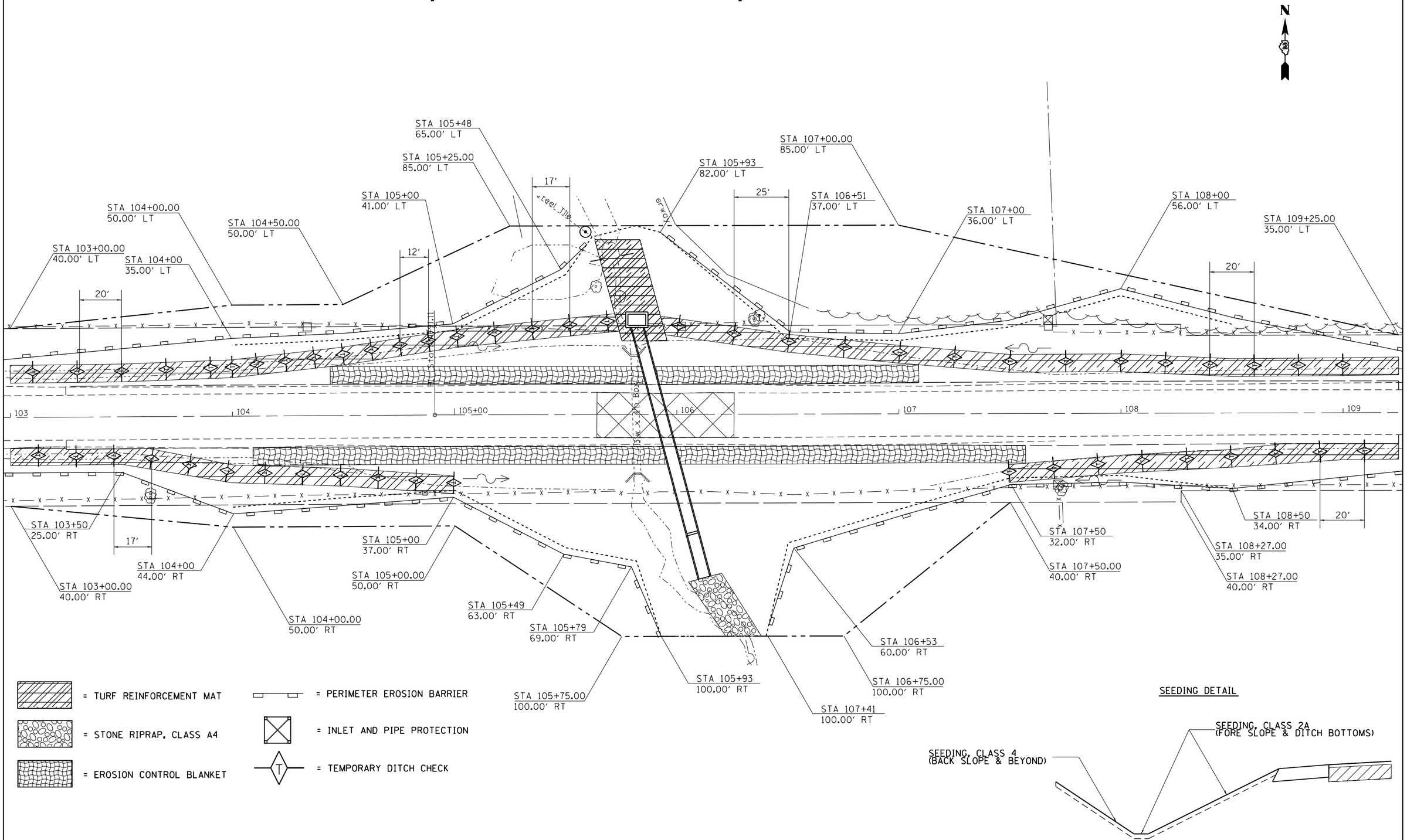
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
IL 78

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	50
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

R.O.W., EROSION CONTROL, & SEEDING DETAILS



= TURF REINFORCEMENT MAT

= STONE RIPRAP, CLASS A4

= EROSION CONTROL BLANKET

= PERIMETER EROSION BARRIER

= INLET AND PIPE PROTECTION

= TEMPORARY DITCH CHECK

SEEDING DETAIL

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Default	PLOT DATE = Thu Oct 10 07:26:23 2013	DATE -	REVISED -

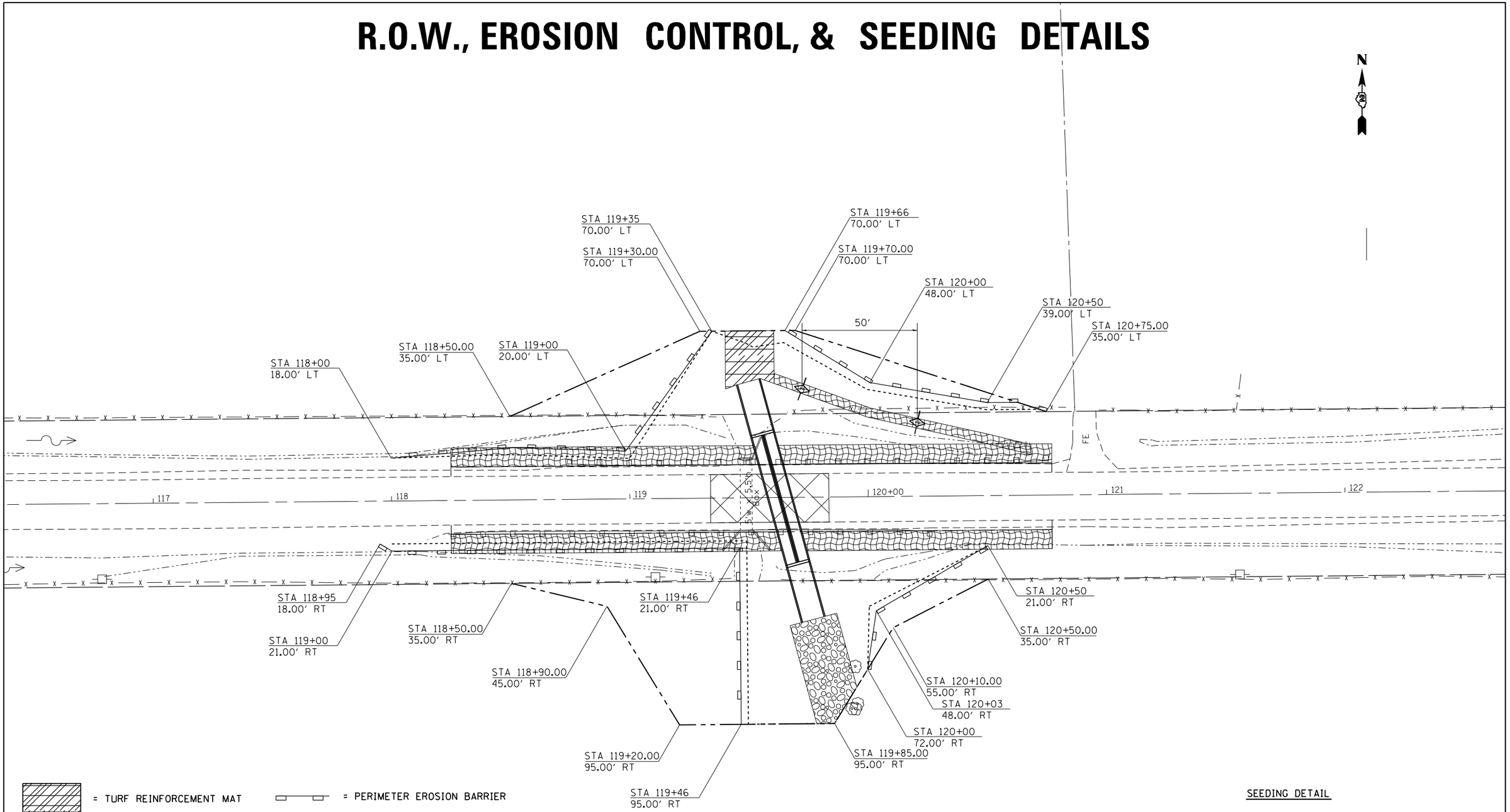
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
CANYON RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	51
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

R.O.W., EROSION CONTROL, & SEEDING DETAILS



= TURF REINFORCEMENT MAT

= STONE RIPRAP, CLASS A4

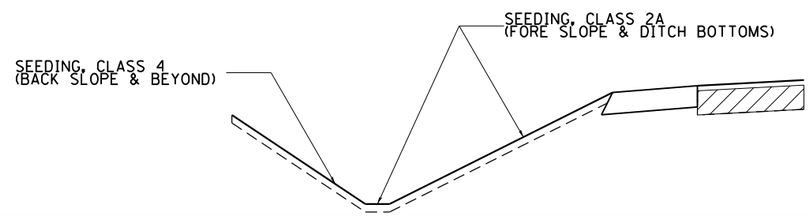
= EROSION CONTROL BLANKET

= PERIMETER EROSION BARRIER

= INLET AND PIPE PROTECTION

= TEMPORARY DITCH CHECK

SEEDING DETAIL



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS
CANYON RD.

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	52
		CONTRACT NO. 64F74		
		ILLINOIS	FED. AID PROJECT	

BORING LOGS

STATION 430+05.5 (EXISTING STA.) = STATION 912+26(PROPOSED)
STATION 429+98 (EXISTING STA.) = STATION 912+33.5(PROPOSED)
ELEVATION 99.4 = ELEVATION (EXISTING) 924

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, .1 m. S. of E. Chelsea Road LOGGED BY W. Garza

SECTION LOCATION Nora Twp. - 19NW, SEC. , TWP. 28N, RNG. 5E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-1036
Station 430+05.5

BORING NO. B-1b
Station 429+98
Offset 14.50ft Rt CL
Ground Surface Elev. 99.4 ft

Surface Water Elev. ft
Stream Bed Elev. 95.0 ft

Groundwater Elev.:
First Encounter 77.4 ft
Upon Completion 89.4 ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown SILTY CLAY LOAM			0.5 P	22
	97.40			
VERY STIFF brown LOAM		4 4 5	2.5 B	20
	95.90			
MEDIUM brown SILTY CLAY LOAM	-5	2 4 5	0.6 P	17
	93.40			
SOFT black SILTY CLAY LOAM		5 3 4	0.3 P	33
	90.90			
MEDIUM gray SILTY CLAY LOAM	-10	0 2 3	0.9 B	29
	88.40			
MEDIUM gray/brown SILTY CLAY LOAM		2 3 4	0.8 B	28
	85.90			
SOFT gray SILTY CLAY LOAM	-15	1 2 3	0.3 B	34
	83.40			
VERY STIFF gray SILTY CLAY		3 4 6	2.1 P	21
	80.90			
SOFT gray SILTY LOAM	-20	2		
SOFT gray SILTY LOAM (continued)	78.40	4 4	0.3 B	22
MEDIUM gray SILTY CLAY	-25	0 2 3	0.5 P	26
	75.90			
MEDIUM gray CLAY LOAM		0 2 3	0.8 P	29
	73.40			
VERY STIFF gray CLAY		1 4 6	2.1 S	25
	70.40			
DENSE gray weathered LIMESTONE	-30	1 3 36		
	68.40			
VERY DENSE tan weathered LIMESTONE		100/10"		
	65.90			
End of Boring				
	-35			
	-40			

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 137 (Rev. 8-99)

STATION 430+05.5 (EXISTING STA.) = STATION 912+26(PROPOSED)
STATION 430+21 (EXISTING STA.) = STATION 912+10.5(PROPOSED)
ELEVATION 99.4 = ELEVATION (EXISTING) 924.25

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, .1 m. S. of E. Chelsea Road LOGGED BY W. Garza

SECTION LOCATION Nora Twp. - 19NW, SEC. , TWP. 28N, RNG. 5E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 430+05.5

BORING NO. B-2b
Station 430+21
Offset 14.00ft Lt CL
Ground Surface Elev. 99.4 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 64.9 ft
Upon Completion 68.4 ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILTY CLAY LOAM			1.1 P	20
	97.40			
SOFT dark gray SILTY CLAY LOAM		1 2 3	0.3 P	30
	95.90			
MEDIUM gray SILTY LOAM	-5	2 2 2	0.8 B	29
	93.40			
MEDIUM gray SILTY CLAY LOAM		1 1 3	0.7 B	33
	90.90			
MEDIUM gray SILTY CLAY LOAM	-10	0 2 3	0.7 B	33
	88.40			
VERY SOFT tan SILTY CLAY LOAM		0 0 2	.12 B	37
	85.90			
SOFT tan SILTY CLAY LOAM	-15	1 1 2	0.4 B	28
	83.40			
STIFF gray SILTY CLAY LOAM		1 2 3	1.1 B	23
	80.90			
MEDIUM gray SILTY LOAM	-20	1		
MEDIUM gray SILTY LOAM (continued)	78.40	2 3	0.6 B	23
SOFT gray SILTY LOAM		1 2 4	0.3 P	25
	75.90			
MEDIUM gray SILTY CLAY	-25	2 2 4	0.5 B	28
	73.40			
VERY STIFF gray CLAY		1 3 6	2.9 B	24
	70.90			
VERY STIFF gray CLAY	-30	2 4 6	2.3 S	26
	68.40			
MEDIUM gray SILTY CLAY		1 2 4	0.7 B	27
	65.40			
VERY DENSE gray weathered LIMESTONE	-35	33 100/6"		
	63.40			
End of Boring				
	-40			

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 137 (Rev. 8-99)

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Default	PLOT DATE = Thu Oct 10 07:29:06 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	53
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

BORING LOGS

STATION 245+97 (EXISTING STA.) = STATION 1096+26(PROPOSED)
STATION 246+24 (EXISTING STA.) = STATION 1095+98(PROPOSED)
ELEVATION 99.4 = ELEVATION (EXISTING) 955

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, .25 m. N. of E. Mahoney Road LOGGED BY W. Garza

SECTION LOCATION Warren Twp. - 31SW, SEC. , TWP. 29N, RNG. 5E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-1036
Station 245+97

BORING NO. B-1a
Station 246+24
Offset 14.00ft Rt CL
Ground Surface Elev. 100.6 ft

Surface Water Elev. ft
Stream Bed Elev. 79.5 ft

Groundwater Elev.:
First Encounter 78.6 ft
Upon Completion 78.6 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown LOAM			
98.60		0.3 P	23
MEDIUM tan weathered LIMESTONE	10 9 8		
97.10			
LOOSE tan FILL with weathered LIMESTONE	-5 1 2 3		
94.60			
LOOSE tan FILL with weathered LIMESTONE	0 1 4		
91.60			
VERY STIFF gray LOAM with LIMESTONE	-10 9 7 7	2.3 P	21
89.60			
STIFF brown LOAM with LIMESTONE	2 3 3	1.5 P	19
87.10			
STIFF brown SILTY CLAY LOAM	-15 4 3 6	1.1 P	26
84.10			
MEDIUM tan weathered LIMESTONE	3 14 11		
82.10			
	-20 9		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DENSE tan weathered LIMESTONE (continued)	10 32		
79.60			
VERY DENSE tan weathered LIMESTONE	100/4"		
77.10			
End of Boring			
	-25		
	-30		
	-35		
	-40		

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 137 (Rev. 8-99)

STATION 245+97 (EXISTING STA.) = STATION 1096+26(PROPOSED)
STATION 245+81 (EXISTING STA.) = STATION 1096+42(PROPOSED)
ELEVATION 100.6 = ELEVATION (EXISTING) 954.8

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/15/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, .25 m. N. of Mahoney Road LOGGED BY W. Garza

SECTION LOCATION Warren Twp. - 31SW, SEC. , TWP. 29N, RNG. 5E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station 245+97

BORING NO. B-2a
Station 245+81
Offset 14.00ft Rt CL
Ground Surface Elev. 100.2 ft

Surface Water Elev. ft
Stream Bed Elev. 79.5 ft

Groundwater Elev.:
First Encounter 78.2 ft
Upon Completion 75.7 ft
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown LOAM			
98.70		0.4 P	24
MEDIUM tan FILL weathered LIMESTONE	15 19 10		
96.20			
LOOSE tan FILL with weathered LIMESTONE	-5 2 2 4		11
93.70			
MEDIUM tan FILL with weathered LIMESTONE	4 8 9		
91.20			
LOOSE tan moist FILL	-10 1 2 3		20
88.70			
No Recovery	2 3 3		
86.70			
VERY LOOSE tan FILL weathered LIMESTONE	-15 4 2 2		
84.20			
MEDIUM tan weathered LIMESTONE	4 10 13		
81.20			
	-20 10		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF dark brown LOAM with LIMESTONE fragments (continued)	13 9	1.4 P	19
78.70			
VERY DENSE tan weathered LIMESTONE	7 34 48		
76.70			
VERY DENSE tan weathered LIMESTONE	-25 100/4"		
74.20			
End of Boring			
	-30		
	-35		
	-40		

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 137 (Rev. 8-99)

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		DRAWN -	REVISED -
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Default	PLOT DATE = Thu Oct 10 07:29:35 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	54
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

BORING LOGS

EXISTING CULVERT AT STATION 105 + 81.5
STATIONS OF BORING 105 + 91.5
ELEVATION 99.5 = ELEVATION (EXISTING) 919

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/29/13

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert on Canyon Road, .25 m. E. of Fiedler Road LOGGED BY W. Garza

SECTION LOCATION Rush Twp. - 2SW, SEC. , TWP. 28N, RNG. 4E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-C001
Station

BORING NO. B-1d
Station 10' E
Offset 15.00ft N CL
Ground Surface Elev. 99.5 ft

Surface Water Elev. ft
Stream Bed Elev. 86.5 ft

Groundwater Elev.:
First Encounter 80.0 ft ▼
Upon Completion 80.0 ft ▽
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Lat.: 42.444725 Long.: -90.019881 STIFF brown CLAY LOAM			1.8 P	22
	97.50			
VERY STIFF tan LOAM with ROCK		6 6 22	2.0 P	23
	96.00			
MEDIUM brown SILTY CLAY LOAM	-5	2 3 6	0.5 P	29
	93.50			
SOFT brown SILTY CLAY LOAM		2 3 6	0.4 P	18
	91.00			
No Recovery	-10	0 1 2		
	88.50			
MEDIUM gray SILTY LOAM		0 3 3	0.5 B	26
	86.00			
MEDIUM gray SILTY LOAM	-15	3 4 5	0.7 B	29
	83.50			
STIFF dark gray CLAY LOAM		3 4 8	1.6 B	30
	80.50			
▼	-20	2		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY DENSE tan weathered LIMESTONE (continued)		4 80		
	78.00			
End of Boring				
	-25			
	-30			
	-35			
	-40			

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 137 (Rev. 8-99)

EXISTING CULVERT AT STATION 105 + 81.5
STATIONS OF BORING 105 + 61.5
ELEVATION 99.6 = ELEVATION (EXISTING) 919.5

Illinois Department of Transportation
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SOIL BORING LOG

Page 1 of 1

Date 3/29/13

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert on Canyon Road, .25 m. E. of Fiedler Road LOGGED BY W. Garza

SECTION LOCATION Rush Twp. - 2SW, SEC. , TWP. 28N, RNG. 4E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-C001
Station

BORING NO. B-2d
Station 20' W
Offset 14.00ft S CL
Ground Surface Elev. 99.6 ft

Surface Water Elev. ft
Stream Bed Elev. 86.5 ft

Groundwater Elev.:
First Encounter None ft
Upon Completion Dry ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Lat.: 42.444651 Long.: -90.020010 MEDIUM brown LOAM			0.5 P	21
	97.60			
SOFT tan LOAM with ROCK		2 4 3	0.4 P	25
	96.10			
MEDIUM tan/light brown SILTY CLAY LOAM with ROCK	-5	2 5 7	0.9 B	25
	93.60			
MEDIUM tan SANDY LOAM		6 3 5	0.8 P	17
	91.10			
STIFF light brown SILTY CLAY LOAM	-10	1 2 3	1.1 P	25
	88.60			
STIFF light brown SILTY CLAY LOAM		3 3 5	1.1 B	27
	86.10			
MEDIUM light brown SILTY CLAY LOAM	-15	1 2 3	0.7 B	26
	83.60			
STIFF light brown SILTY CLAY LOAM		2 4 6	1.3 B	28
	80.60			
	-20	9		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY DENSE tan weathered LIMESTONE (continued)		32 100/2"		
	78.60			
End of Boring				
	-25			
	-30			
	-35			
	-40			

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 137 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	55
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

BORING LOGS

EXISTING CULVERT AT STATION 119+48.8
STATION OF BORING 119+33.8
ELEVATION 100.4 = ELEVATION (EXISTING) 898.5

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/12/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, Canyon Park Road, 1.5 miles W. of IL 78 LOGGED BY W. Garza

SECTION LOCATION Rush Twp. - 2SW, SEC. , TWP. 28N, RNG. 4E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. 043-1036
Station

BORING NO. B-1c
Station 15' W
Offset 9.00ft S CL
Ground Surface Elev. 100.4 ft

Surface Water Elev. 92.5 ft
Stream Bed Elev. 92.0 ft

Groundwater Elev.:
First Encounter 83.4 ft ▼
Upon Completion 83.4 ft ▽
After ____ Hrs. ____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
9.8" Asphalt SOFT tan LOAM			0.3 P	17
	98.40			
STIFF brown SILTY CLAY LOAM		2 3 4	1.9 B	23
	96.90			
SOFT brown SILTY LOAM	-5	0 1 4	0.3 P	25
	94.40			
STIFF brown SILTY CLAY LOAM		0 1 4	1.0 B	
	91.90			
MEDIUM brown SILTY CLAY LOAM	-10	1 2 4	0.5 B	28
	89.40			
MEDIUM brown/tan SILTY CLAY LOAM with LIMESTONE fragments		1 6 11	0.6 P	26
	86.40			
DENSE tan weathered LIMESTONE	-15	19 20 13		
	84.40			
▼ VERY DENSE tan weathered LIMESTONE		59 14 100/4"		
	81.90			
End of Boring	-20			

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 137 (Rev. 8-99)

EXISTING CULVERT AT STATION 119+48.8
STATION OF BORING 119+69.8
ELEVATION 98.8 = ELEVATION (EXISTING) 896

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 3/12/10

ROUTE IL 78 DESCRIPTION P92-013-10 Box culvert, Canyon Park road, 1.5 m. W. of IL 78 LOGGED BY W. Garza

SECTION LOCATION Rush Twp. - 2SW, SEC. , TWP. 28N, RNG. 4E

COUNTY Jo Daviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.
Station

BORING NO. B-2c
Station 21' E
Offset 11.00ft N CL
Ground Surface Elev. 98.8 ft

Surface Water Elev. 92.5 ft
Stream Bed Elev. 92.0 ft

Groundwater Elev.:
First Encounter 76.8 ft ▼
Upon Completion 76.8 ft ▽
After ____ Hrs. ____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT tan LOAM			0.3 P	17
	96.80			
STIFF tan SILTY CLAY LOAM		2 2 4	1.3 B	31
	95.30			
STIFF tan SILTY LOAM	-5	1 3 4	1.0 P	22
	92.80			
MEDIUM tan SILTY LOAM		0 3 4	0.9 S	28
	90.30			
MEDIUM gray SILTY LOAM	-10	3 4 4	0.9 B	32
	87.80			
STIFF brown/gray SILTY CLAY LOAM		1 4 5	1.9 B	22
	85.30			
STIFF brown/gray SILTY CLAY LOAM	-15	1 3 4	1.1 B	28
	82.80			
MEDIUM brown tan SILTY CLAY LOAM with LIMESTONE fragments		0 1 4	0.6 P	21
	79.80			
	-20	1		

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
DENSE tan moist weathered LIMESTONE (continued)		12 23		
	77.80			
▼ VERY DENSE tan weathered LIMESTONE		6 48 46		
	75.30			
End of Boring	-25			
	-30			
	-35			
	-40			

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 137 (Rev. 8-99)

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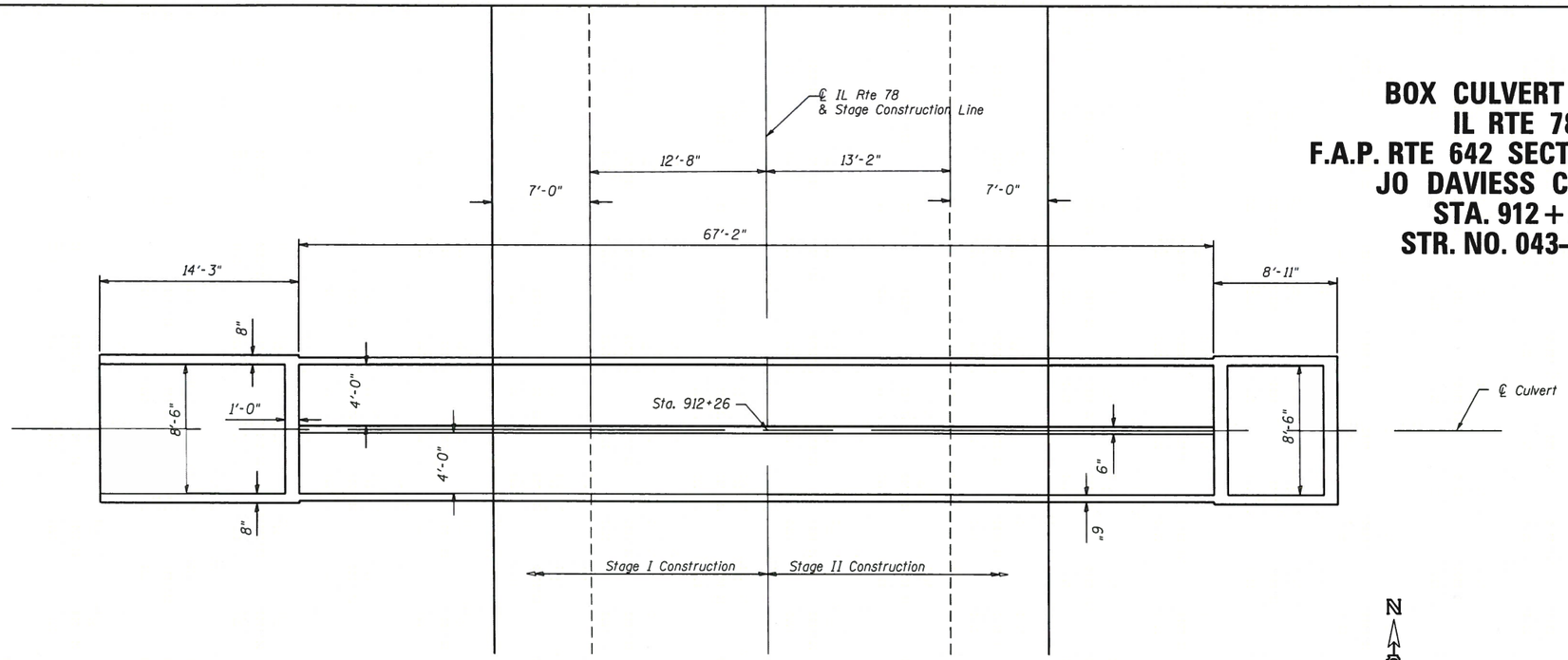
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS

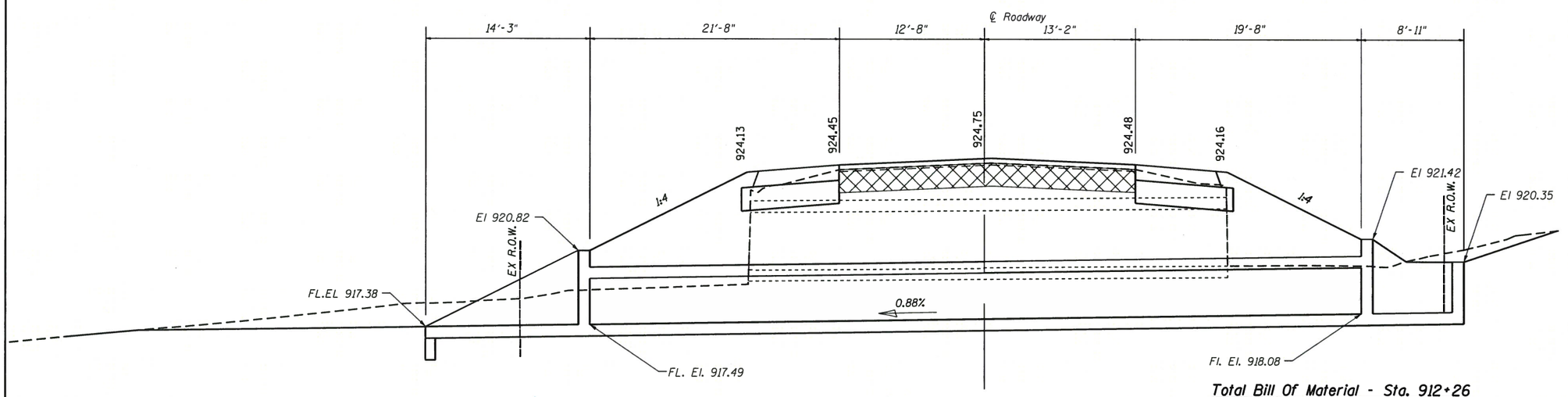
SCALE: | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JODAVIESS	97	56
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

BOX CULVERT PLAN
IL RTE 78
F.A.P. RTE 642 SECTION 104T-3
JO DAVIESS COUNTY
STA. 912+26
STR. NO. 043-1098



PLAN



ELEVATION

Total Bill Of Material - Sta. 912+26

Item	Unit	Quantity
Concrete Box Culverts	Cu.Yd	47.6
Reinforcement Bars, Epoxy Coated	Pound	9540
Bar Splicers	Each	56
Name Plates	Each	1
Rock Fill	Cu.Yd.	99
Temporary Sheet Piling	Sq.Ft.	770
Traversable Pipe Grate	Foot	66
Temporary Soil Retention System	Sq.Ft.	48

WENDLER ENGINEERING SERVICES, INC.
Illinois Professional Design
Firm No. 184-000848
Sheets 1 through 5
For Structural Adequacy Only

STATE OF ILLINOIS
SCOTT A. BROWN
081-005981
DIXON, IL.
LICENSED STRUCTURAL ENGINEER

11/18/13
DATE

SCOTT A. BROWN
DIXON, ILLINOIS
ILLINOIS LICENSED STRUCTURAL
ENGINEER NO. 081-005981
EXPIRES 11-30-2014

wendler

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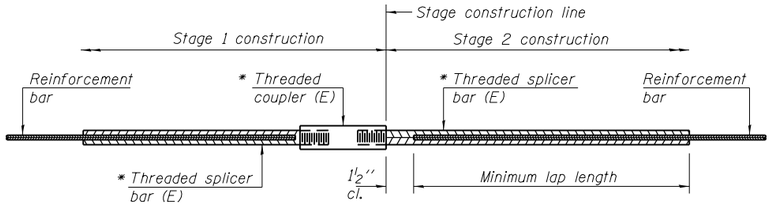
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78 STA. 912+26
STRUCTURE NUMBER 043-1098

SCALE: | SHEET 1 OF 5 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JODAVIESS	97	57
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

BOX CULVERT DETAILS
IL RTE 78
F.A.P. RTE 642 SECTION 104T-3
JO DAVIESS COUNTY
STA. 912 + 26
STR. NO. 043-1098



STANDARD BAR SPLICER ASSEMBLY

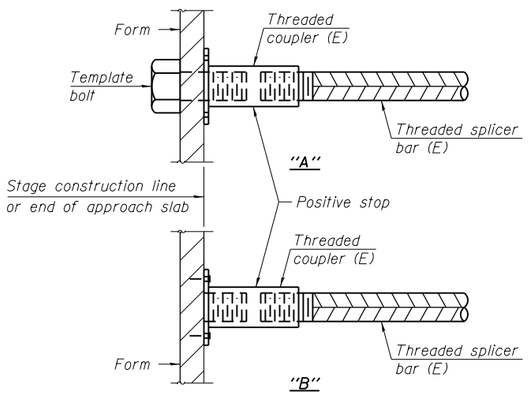
Minimum Lap Lengths - For Splicers						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"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

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
Table 5: Epoxy bar, Class C
Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1½" + 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
Top Slab	#4	20	5
Bottom Slab	#4	20	5
Walls	#4	16	5



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.

GENERAL NOTES

1. All work and materials shall be in accordance with the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction adopted January 1, 2012 and latest supplemental specifications and recurring special provisions, unless noted otherwise on these plans or special provisions.
2. The Contractor shall verify all dimensions in the field prior to commencing work. The engineer shall be notified of any discrepancies which may exist, prior to proceeding with the work.
3. Any information concerning type or location of underground and other utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making his own determinations as to the type and location of the utilities as may be necessary to avoid damage thereto. Contractor shall call J.U.L.I.E. prior to excavation.
4. The Contractor is responsible for design, installation and removal of all excavation support systems.
5. The excavation and work area shall be properly drained at all times during construction. All wet, loose, frozen or other unsuitable material shall be removed prior to placement of concrete or compacted backfill. The cost of any pumping required shall be included in the cost of "Concrete Box Culverts".
6. It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and cost shall be included with "Concrete Box Culverts".

CAST-IN-PLACE CONCRETE NOTES

1. All cast-in-place concrete work shall be in accordance with Section 540 of the Illinois Department of Transportation (IDOT) Standard Specifications for Road and Bridge Construction adopted January 1, 2012, supplemental specifications and recurring special provisions and as noted below.
2. Reinforcement bars shall conform to the requirements of ASTM A 706 GR60.
3. Exposed edges of cast-in-place concrete shall be beveled ¾".
4. All construction joints shall be bonded.
5. Concrete mix designs shall be submitted to the Engineer for review and approval a minimum of 7 days prior to ordering or placing concrete.
6. Backfill material on all sides of the box shall be compacted in accordance with Section 502 using walk behind tampers.
7. Concrete Required f'c=3500 psi.

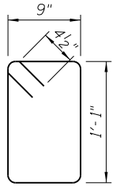
BAR SPLICER NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

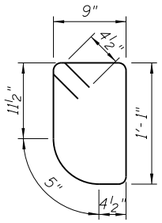
All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

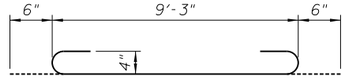
See approved list of bar splicer assemblies and mechanical splicers for alternatives.



BAR s(E)



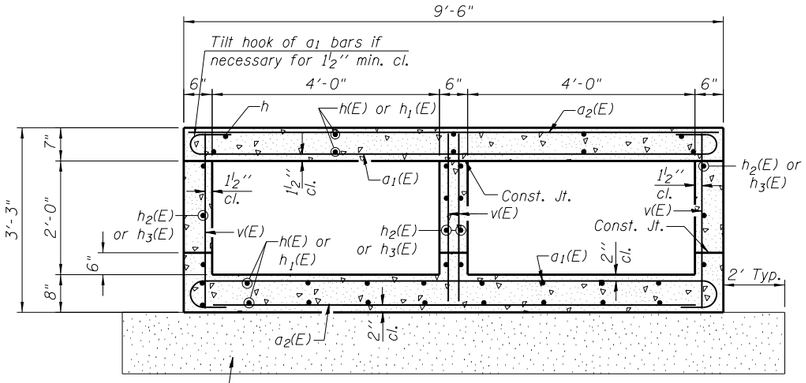
BAR s1(E)



BAR a1(E)

Station 912+26
Built by
State of Illinois
F.A.P. Rte 642 Sec. 104T-3
Loading HL-93
Structure No. 043-1098

NAME PLATE
See Std. 515001-03



SECTION THRU BARREL

TOTAL BILL OF MATERIAL - STA. 912+26

BAR	NO.	SIZE	LENGTH	SHAPE
a 1 (E)	240	# 4	10 '- 3 "	
a 2 (E)	240	# 5	9 '- 3 "	
a 3 (E)	41	# 5	10 '- 8 "	
a 4 (E)	24	# 4	9 '- 8 "	
d (E)	10	# 4	4 '- 6 "	
h (E)	40	# 4	34 '- 4 "	
h 1 (E)	40	# 4	34 '- 4 "	
h 2 (E)	16	# 5	34 '- 4 "	
h 3 (E)	16	# 5	34 '- 4 "	
h 4 (E)	8	# 6	9 '- 8 "	
h 5 (E)	6	# 4	9 '- 8 "	
h 6 (E)	6	# 4	8 '- 8 "	
h 7 (E)	6	# 5	10 '- 9 "	
h 8 (E)	22	# 4	10 '- 6 "	
h 9 (E)	22	# 4	16 '- 9 "	
h 10 (E)	8	# 4	15 '- 9 "	
h 11 (E)	8	# 4	14 '- 0 "	
s (E)	11	# 4	4 '- 5 "	
s 1 (E)	11	# 4	4 '- 4 "	
v (E)	376	# 4	3 '- 0 "	
v 1 (E)	38	# 4	5 '- 8 "	
v 2 (E)	19	# 4	4 '- 8 "	
v 3 (E)	34	# 4	3 '- 9 "	
v 4 (E)	17	# 4	2 '- 8 "	

ITEM	UNIT	QUANTITY
Concrete Box Culverts	Cu.Yd.	47.6
Reinforcement Bars, Epoxy Coated	Pound	9540
Bar Splicers	Each	56

wendler

USER NAME = rundbladerr	DESIGNED - SB	REVISED -
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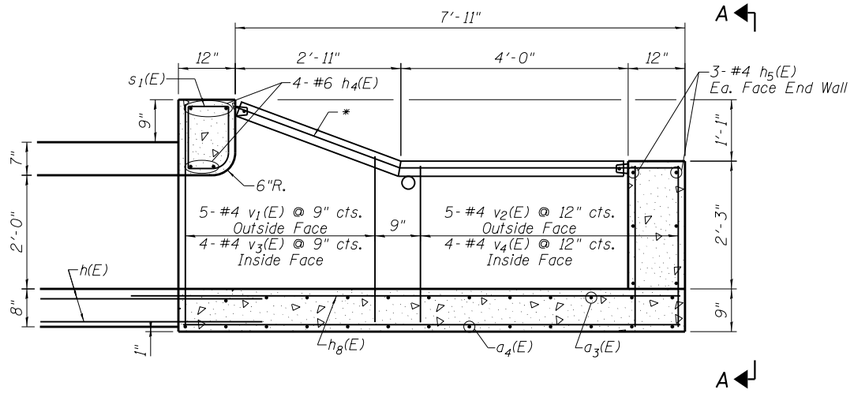
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT DETAILS STA. 912 + 26

SHEET 5 OF 5 SHEETS | STA. 912+26

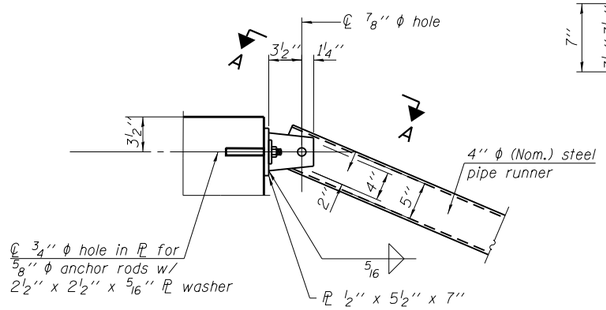
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JO DAVIESS	97	58
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

UPSTREAM END DETAILS
IL RTE 78
F.A.P. RTE 642 SECTION 104T–3
JO DAVIESS COUNTY
STA. 912 + 26
STR. NO. 043–1098

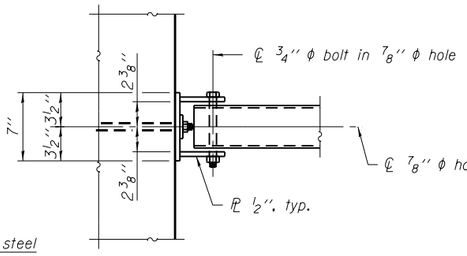


ELEVATION

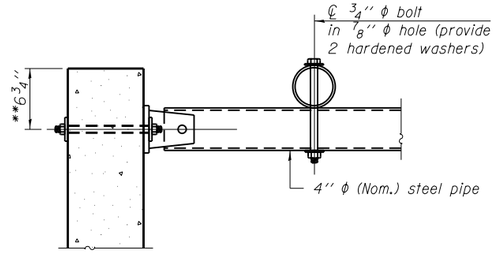
* Field bend h_6(E) & h_7(E) to fit slope
** Cut v_1(E) & v_3(E) to Fit Slope



DETAIL A

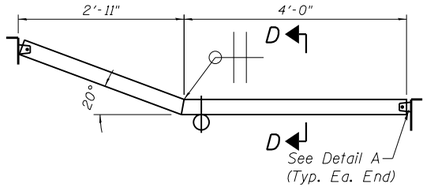


VIEW A-A

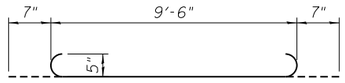


SECTION D-D

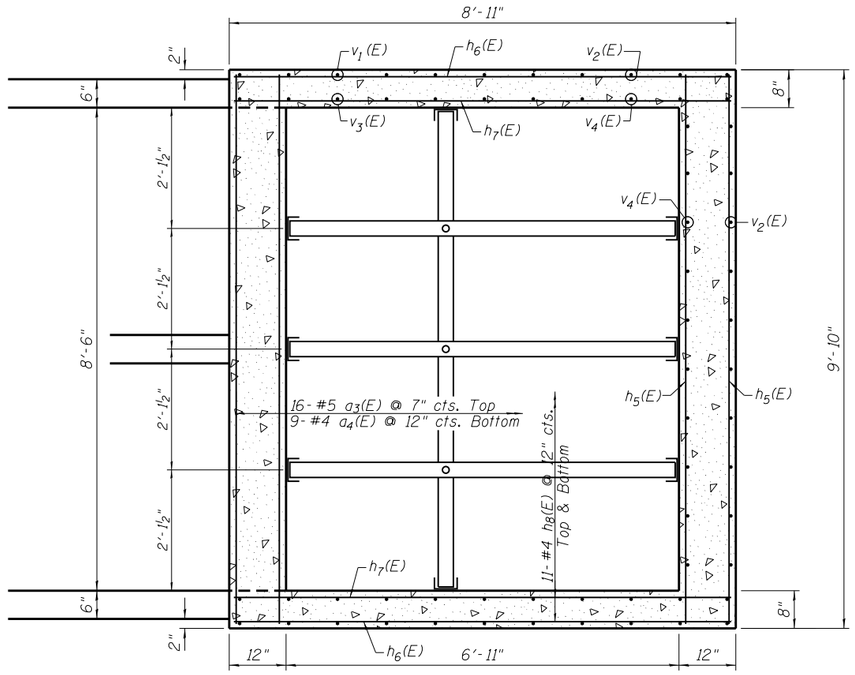
** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.



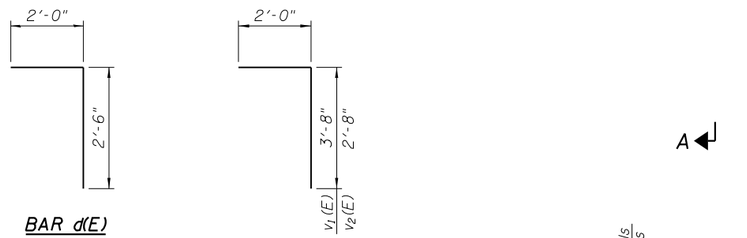
PIPE GRATE DETAIL



BAR a_3(E)

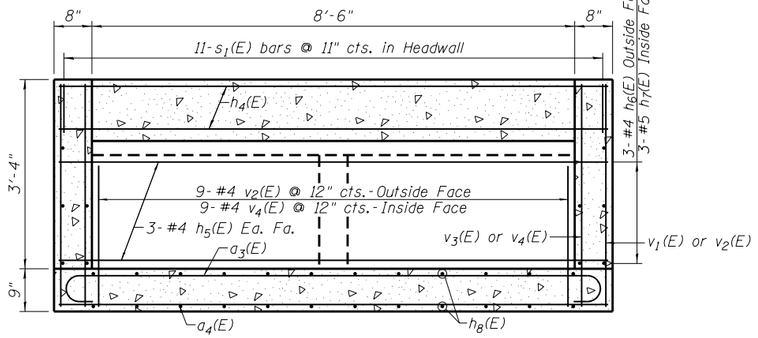


PLAN



BAR d(E)

BAR v_1(E) & v_2(E)



SECTION A–A

GENERAL NOTES

Length and number of steel pipes shall be determined by the Contractor except as shown. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.

All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.

Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.

Anchor rods shall conform to the requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications. The chemical adhesive system shall be capable of achieving a minimum proof load of 5000 pounds and an ultimate shear capacity of 8000 pounds per anchor.

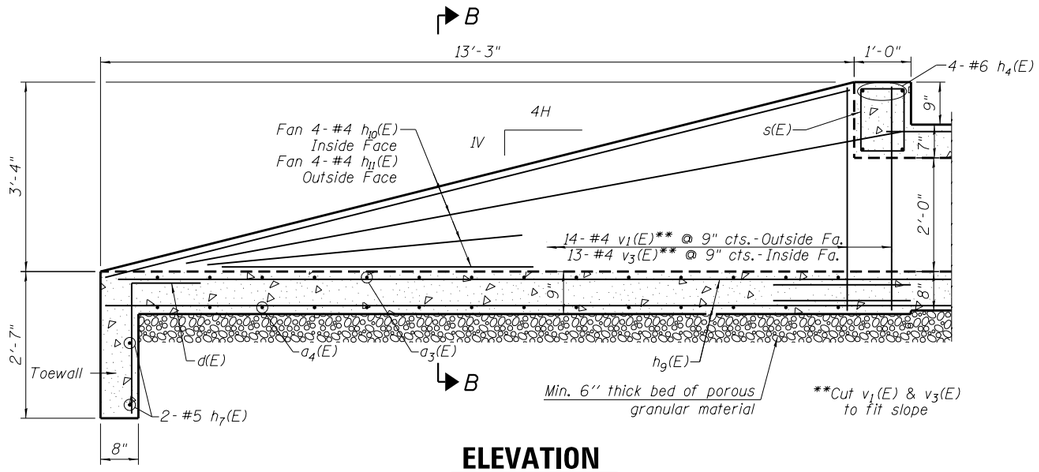
Bolts and thru bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications except threaded rods conforming to the requirements of ASTM F1554, Grade 105 may be used for the thru bolts.

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.

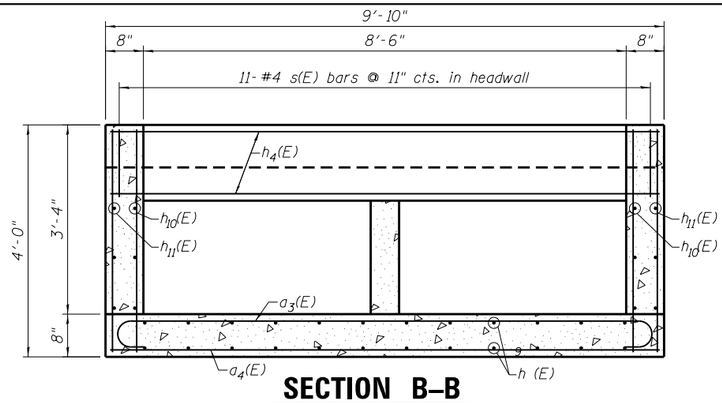
Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.

All cost associated with fabricating, furnishing, and installing the Traversable Pipe Grate System shall be included in the contract unit price for Traversable Pipe Grate.

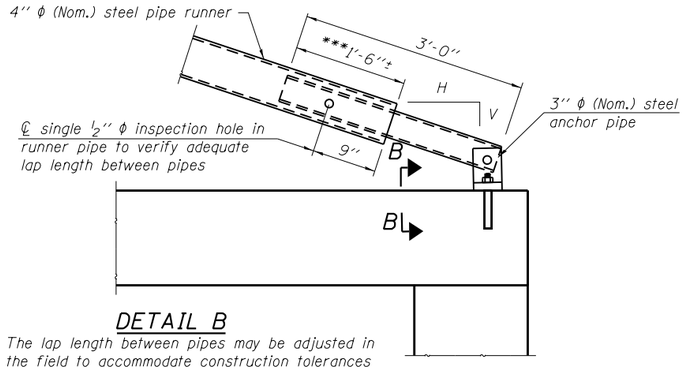
DOWNSTREAM END DETAILS
IL RTE 78
F.A.P. RTE 642 SECTION 104T–3
JO DAVIESS COUNTY
STA. 912 + 26
STR. NO. 043–1098



ELEVATION

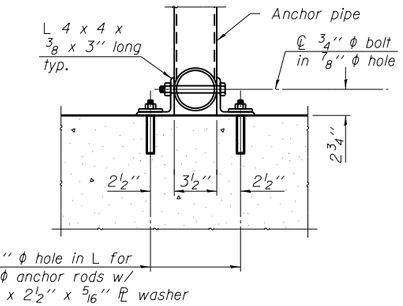


SECTION B–B

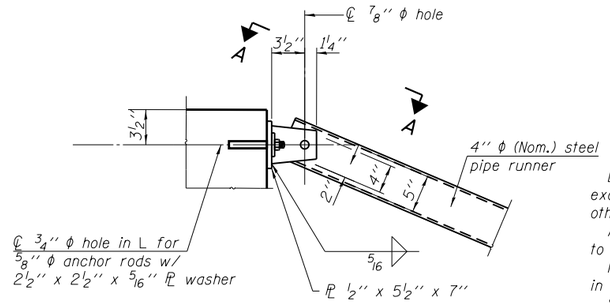


DETAIL B

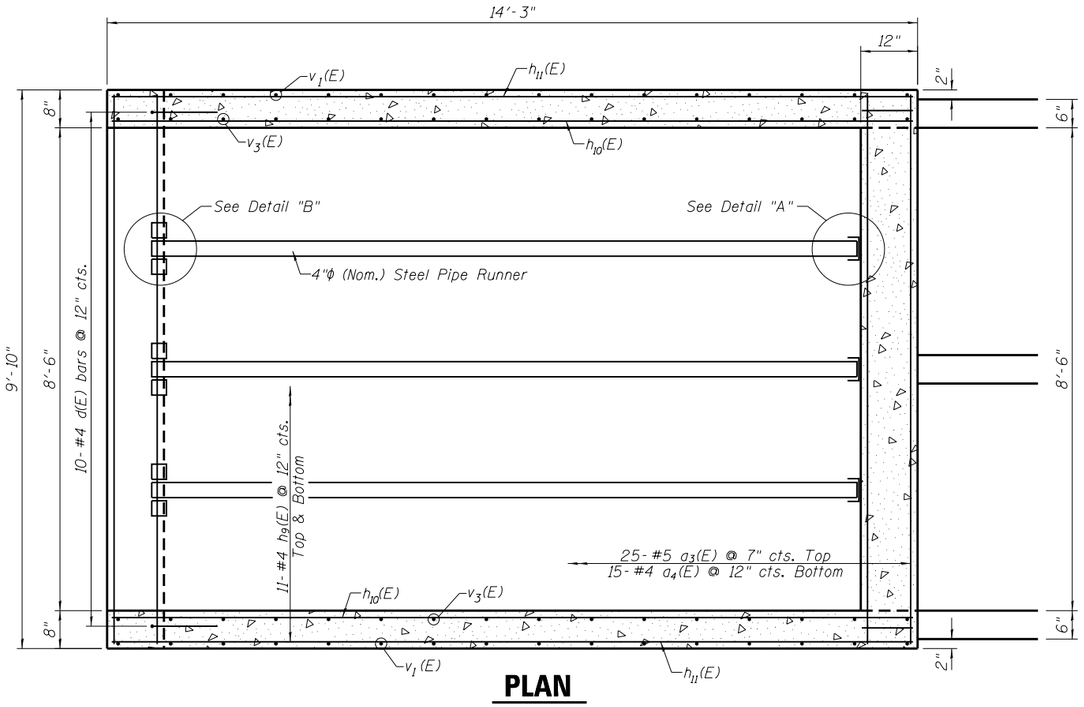
*** The lap length between pipes may be adjusted in the field to accommodate construction tolerances but shall not be less than 9".



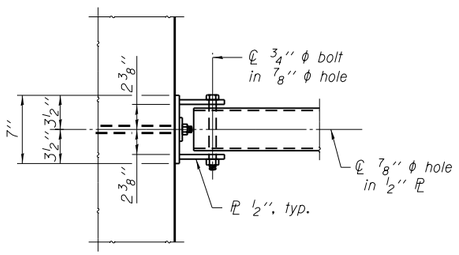
SECTION B-B



DETAIL A



PLAN



VIEW A-A

GENERAL NOTES

Length and number of steel pipes shall be determined by the Contractor except as shown. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.

All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.

Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.

Anchor rods shall conform to the requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications. The chemical adhesive system shall be capable of achieving a minimum proof load of 5000 pounds and an ultimate shear capacity of 8000 pounds per anchor.

Bolts and thru bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications except threaded rods conforming to the requirements of ASTM F1554, Grade 105 may be used for the thru bolts.

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1½" unless noted otherwise.

Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.

All cost associated with fabricating, furnishing, and installing the Traversable Pipe Grate System shall be included in the contract unit price for Traversable Pipe Grate.

wendler

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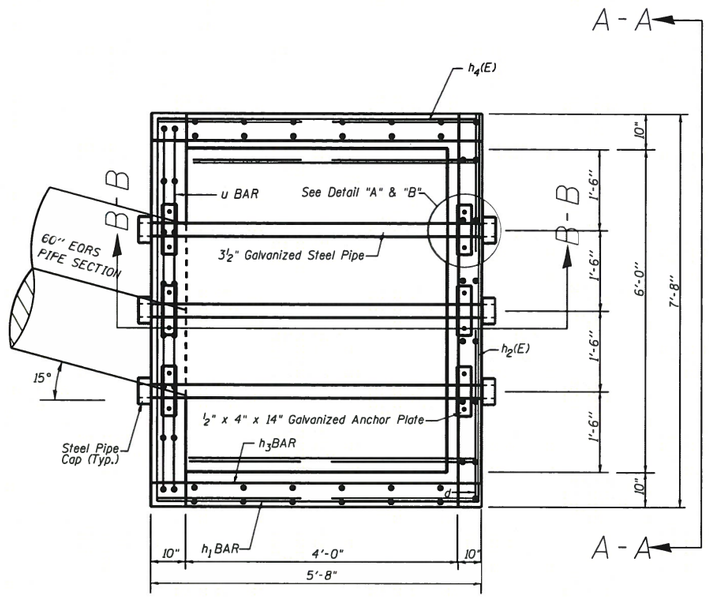
PLOT SCALE = 10.0000 '/ in.	CHECKED - DB	REVISED -
PLOT DATE = Thu Oct 10 08:09:08 2013	DATE - 09/13/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

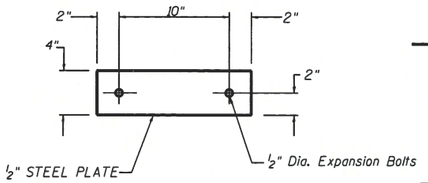
BOX CULVERT DETAILS STA. 912 + 26
DOWNSTREAM END STR. NO. 043–1098

SHEET 3 OF 5 SHEETS | STA. 912+26

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JO DAVIESS	97	60
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		



PLAN



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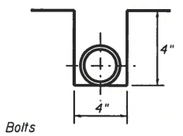

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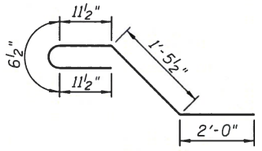

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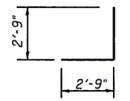


BAR d(E)

DROPBOX #2 PLAN
IL RTE 78
F.A.P. RTE 642
SECTION 104T-3
JO DAVIESS COUNTY
STA. 1096 + 25
STR. NO. 043-1097

GENERAL NOTES

1. Work shall be done according to the applicable portion of 503, 508, and 542 of the standard specifications.
2. Class "si" Concrete shall be used. f'c = 4,000 psi. Exposed edges shall be 3/4".
3. The cotract unit price "each" for DROPBOX NO. 2 shall include the Expansion Bolts, Galvanized Pipe, Class "si" Concrete, Reinforcement Bars, Bolts, Nuts, Washers, Steel Plates, Steps, Earth Excavation where required, and necessary grading to fit the inlet as shown in the cross sections or to the slope.
4. Reinforcement Bars shall conform the the requirements of ASTM A706, Grade 60.
5. Steel Plates shall conform to AASHTO M-183 and shall be Galvanized Conforming to AASHTO M-111.
6. Bolts, Nuts, and Washers shall be in accordance with Article 1006.08 of the Standard Specification and shall be Galvanized.
7. Contractor shall field verify Galvanized Pipe length.
8. See STD 602701 for Manhole steps.
9. Steel pipes shall conform to A.S.T.M. A-53 (Type E or S) Grade B, Schedule 40, & Shall be galvanized conforming to A.S.T.M. A-120.

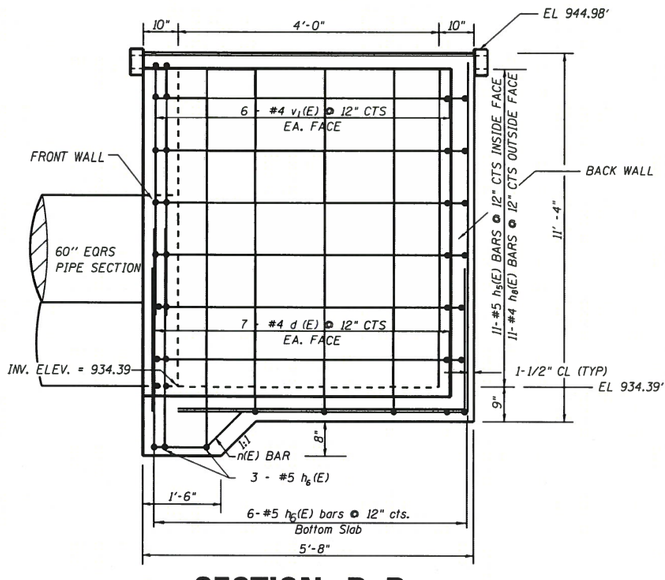
BILL OF MATERIALS

(FOR REINFORCEMENT)

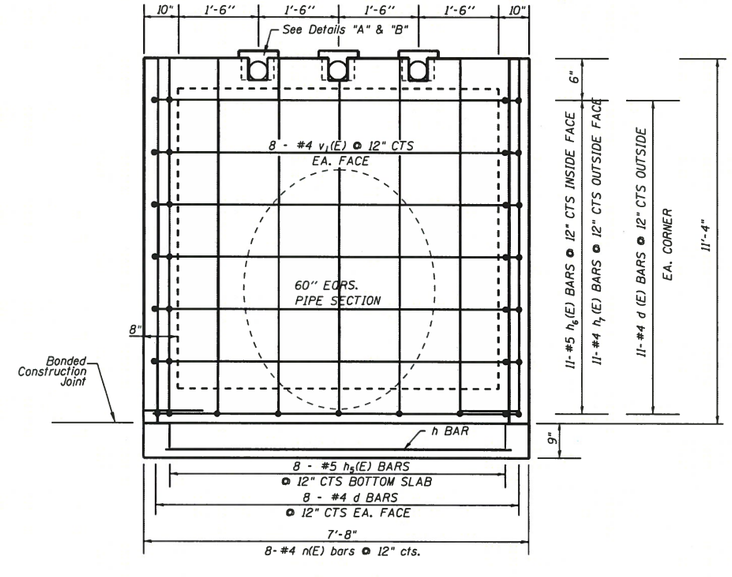
BAR	SIZE	NUMBER	LENGTH	WEIGHT
d (E)	# 4	74	5 ' - 6 "	271.88
h_5 (E)	# 4	30	5 ' - 4 "	106.88
h_6 (E)	# 5	31	7 ' - 4 "	237.11
h_7 (E)	# 4	22	7 ' - 4 "	107.77
h_8 (E)	# 4	22	7 ' - 4 "	107.77
n (E)	# 4	8	5 ' - 11 "	31.62
v_1 (E)	# 4	56	10 ' - 5 "	389.67

DESCRIPTION	UNIT	QTY
Concrete Structures	Cu.Yd.	10.50
Reinforcement Bars, Epoxy Coated	Lbs.	1,253

NOTE: CUT OR ROTATE BARS IN CONFLICT WITH PIPE SECTION.



SECTION B-B



VIEW A-A

WENDLER ENGINEERING SERVICES, INC.
Illinois Professional Design Firm No. 184-000848

For Structural Adequacy Only

STATE OF ILLINOIS
SCOTT A. BROWN
081-005981
DIXON, IL.
LICENSED STRUCTURAL ENGINEER

11/18/13
DATE

SCOTT A. BROWN
DIXON, ILLINOIS
ILLINOIS LICENSED STRUCTURAL ENGINEER NO. 081-005981
EXPIRES 11-30-2014

wendler

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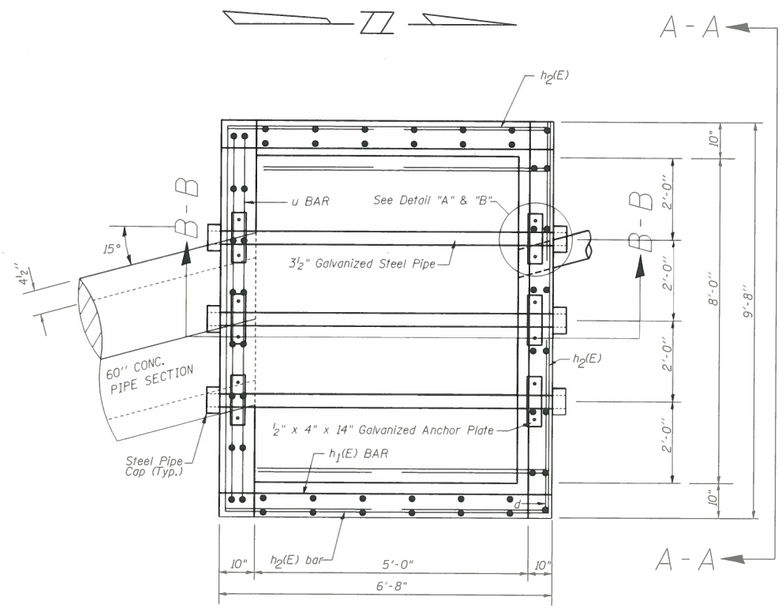
PLOT DATE = Thu Oct 10 08:07:27 2013	DATE - 09/13/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

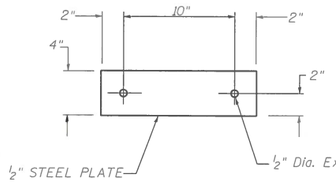
DROPBOX #2 PLAN
STA. 1096+25

SCALE: | SHEET NO. 1 OF 1 SHEETS | STA. 1096+25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JO DAVIESS	97	61
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN



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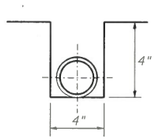

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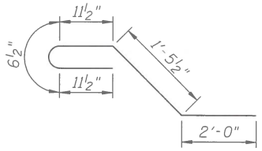
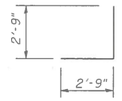


BAR n(E)



BAR d(E)

DROPBOX #1 PLAN
CANYON RD.
F.A.P. RTE 642
SECTION 104T–3
JO DAVIESS COUNTY
STA. 105 + 92.74
STR. NO. H043–C111 –05005–01A

GENERAL NOTES

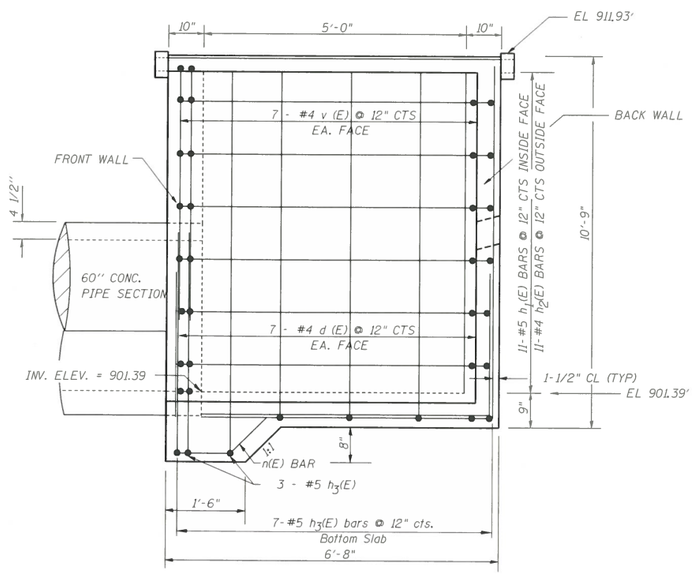
1. Work shall be done according to the applicable portion of 503, 508, and 542 of the standard specifications.
2. Class "si" Concrete shall be used. f'c = 4,000 psi. Exposed edges shall be 3/4".
3. The cotract unit price "each" for DROPBOX NO. 1 shall include the Expansion Bolts, Galvanized Pipe, Class "si" Concrete, Reinforcement Bars, Bolts, Nuts, Washers, Steel Plates, Steps, Earth Excavation where required, and necessary grading to fit the inlet as shown in the cross sections or to the slope.
4. Reinforcement Bars shall conform the the requirements of ASTM A706, Grade 60.
5. Steel Plates shall conform to AASHTO M-183 and shall be Galvanized Conforming to AASHTO M-111.
6. Bolts, Nuts, and Washers shall be in accordance with Article 1006.08 of the Standard Specification and shall be Galvanized.
7. Contractor shall field verify Galvanized Pipe length.
8. See STD 602701 for Manhole steps.
9. Steel pipes shall conform to A.S.T.M. A-53 (Type E or S) Grade B, Schedule 40, & Shall be galvanized conforming to A.S.T.M. A-120.

BILL OF MATERIALS
(FOR REINFORCEMENT)

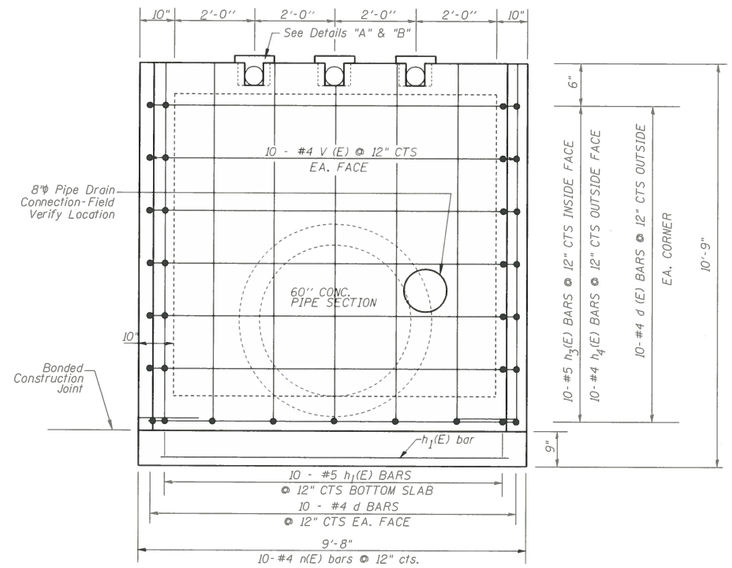
BAR	SIZE	NUMBER	LENGTH	WEIGHT
d (E)	# 4	74	5 ' - 6 "	271.88
h_1 (E)	# 5	32	6 ' - 4 "	211.38
h_2 (E)	# 4	22	6 ' - 4 "	93.07
h_3 (E)	# 5	30	9 ' - 4 "	292.04
h_4 (E)	# 4	20	9 ' - 4 "	124.69
n (E)	# 4	10	5 ' - 11 "	39.52
v (E)	# 4	68	9 ' - 8 "	439.10

DESCRIPTION	UNIT	QTY
Concrete Structures	Cu.Yd.	10.50
Reinforcement Bars, Epoxy Coated	Lbs.	1,472

NOTE: CUT OR ROTATE BARS IN CONFLICT WITH PIPE SECTION.



SECTION B–B



VIEW A–A

WENDLER ENGINEERING SERVICES, INC.
Illinois Professional Design Firm No. 184-000848

For Structural Adequacy Only

STATE OF ILLINOIS
SCOTT A. BROWN
081-005981
DIXON, IL.
LICENSED STRUCTURAL ENGINEER

Scott Brown 11/25/13
DATE

SCOTT A. BROWN
DIXON, ILLINOIS
ILLINOIS LICENSED STRUCTURAL
ENGINEER NO. 081-005981
EXPIRES 11-30-2014

wendler

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PLOT SCALE = 1.0000 ' / in.	CHECKED - ___	REVISED - ___	
PLOT DATE = 11/25/2013	DATE - 09/13/2013	REVISED - ___	

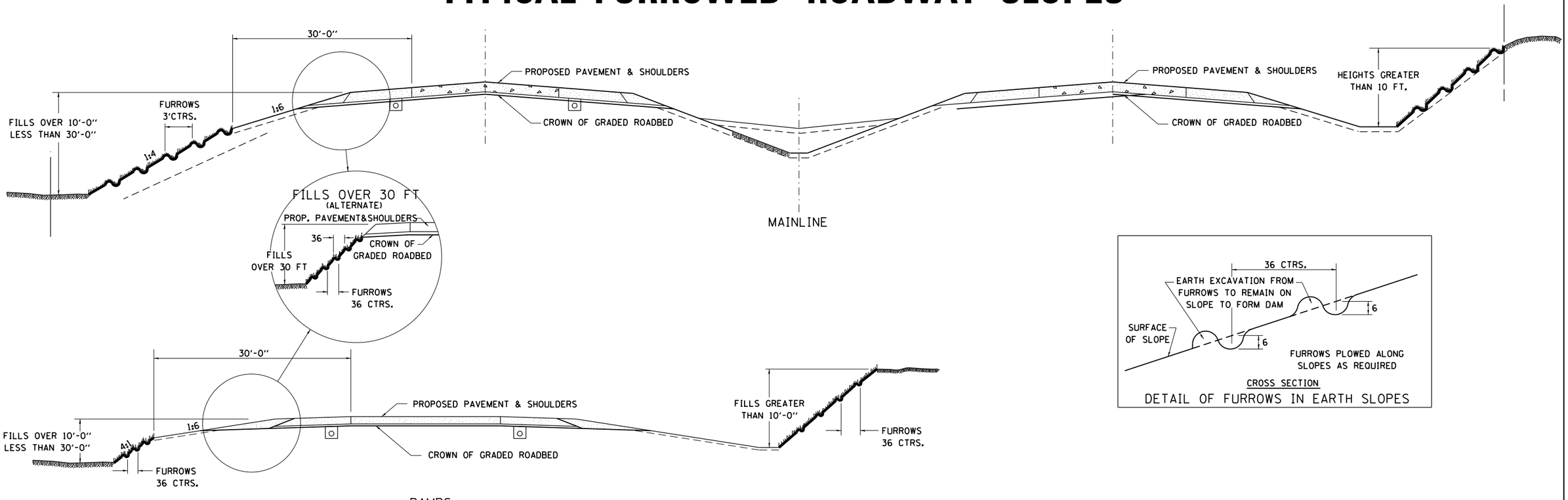
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DROPBOX #1 PLAN
STA. 105 + 92.74

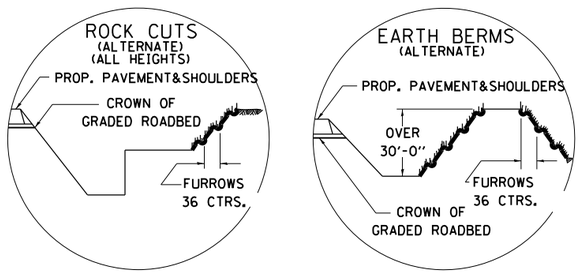
SCALE: _____ | SHEET NO. 1 OF 1 SHEETS | STA. 105+92.74

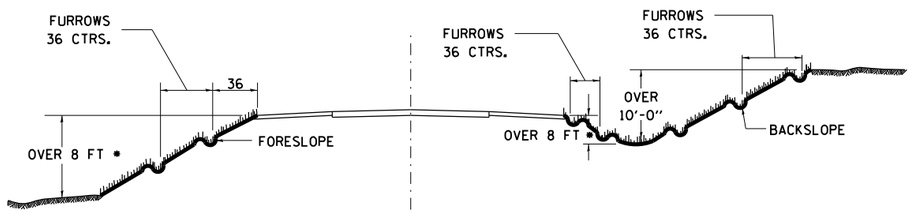
F.A.-RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	104T-3	JO DAVIESS	97	62
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

TYPICAL FURROWED ROADWAY SLOPES



RAMPS





* IF FORESLOPES ARE SIMILAR TO MAINLINE OR RAMP CONFIGURATION, FURROW AS INDICATED FOR THOSE SLOPES.

CROSSROAD GRADE SEPERATIONS

DETAIL OF FURROWS IN EARTH SLOPES

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

GENERAL NOTES

IN GENERAL, THE ENTIRE EARTH SURFACE WITHIN THE RIGHT-OF-WAY SHALL BE SEEDED AND MULCHED.

NO AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO THE GRADED ROADBED.

FORESLOPES AND/OR BACKSLOPES 10 FT. OR LESS IN HEIGHT WILL NOT REQUIRE FURROWING UNLESS OTHERWISE NOTED IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

FORESLOPES AND/OR BACKSLOPES OVER 10 FT. IN HEIGHT SHALL BE FURROWED. THE OPERATION SHALL INCLUDE FINISHING THE SLOPES TO FINAL LINE AND GRADE, AS SHOWN ON THE CROSS SECTIONS BEFORE FURROWING IS DONE. FURROWS SHALL BE PLOWED ALONG A LEVEL LINE CONFORMING TO THE CONTOURS OF THE SLOPE. THE COST OF FURROWING SHALL BE CONSIDERED INCLUDED IN THE PROJECT COST AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

SEQUENCE AND OPERATION FOR SEEDING, MULCHING AND FURROWING OF ROADWAY SLOPES:

1. SPREAD FERTILIZER.
2. PERFORM THE OPERATION OF GROUND PREPARATION.
3. PLOW FURROWS.
4. PERFORM THE OPERATION OF SEEDING. THE SEED SHALL BE SOWN ON THE SURFACE OF THE PREPARED GROUND AFTER FURROWING.
5. THE OPERATION OF COVERING THE SEED, BY HARROWING OR OTHER MEANS, SHALL BE PERFORMED ONLY IF SO DIRECTED BY THE ENGINEER AND SHALL BE INCLUDED TO THE ITEM OF SEEDING.
6. SECTION 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS NOTED HEREIN.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

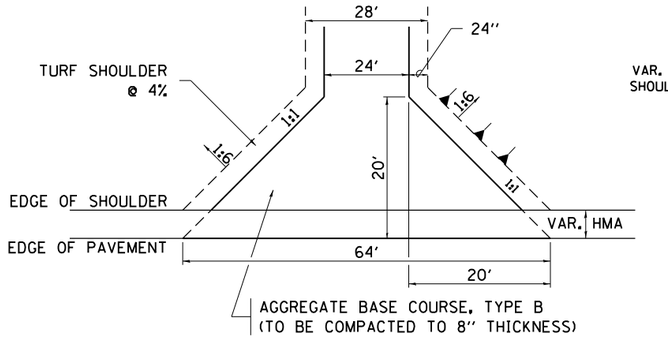
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JoDAVIESS	97	63
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL FURROWED ROADWAY SLOPES 1.1

HOT–MIX ASPHALT APPROACHES AND MAILBOX RETURNS



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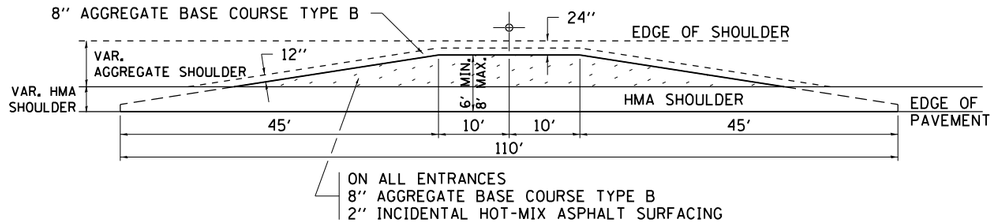
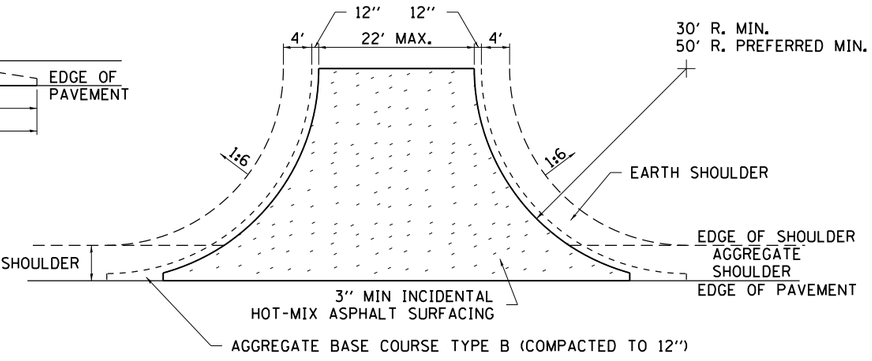


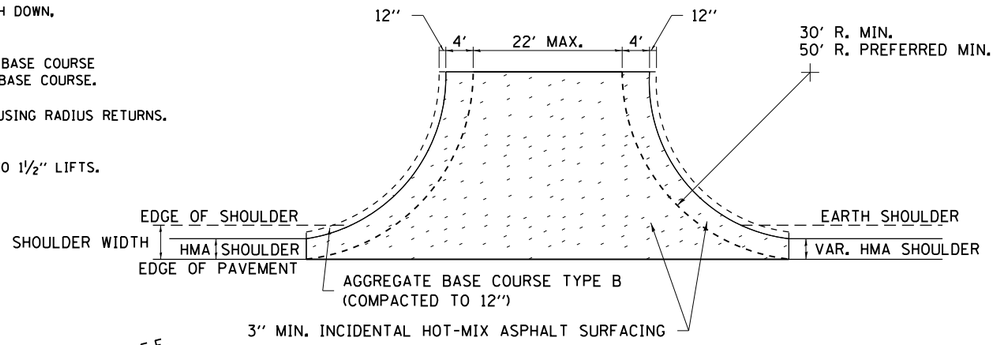
MAILBOX TURNOUT



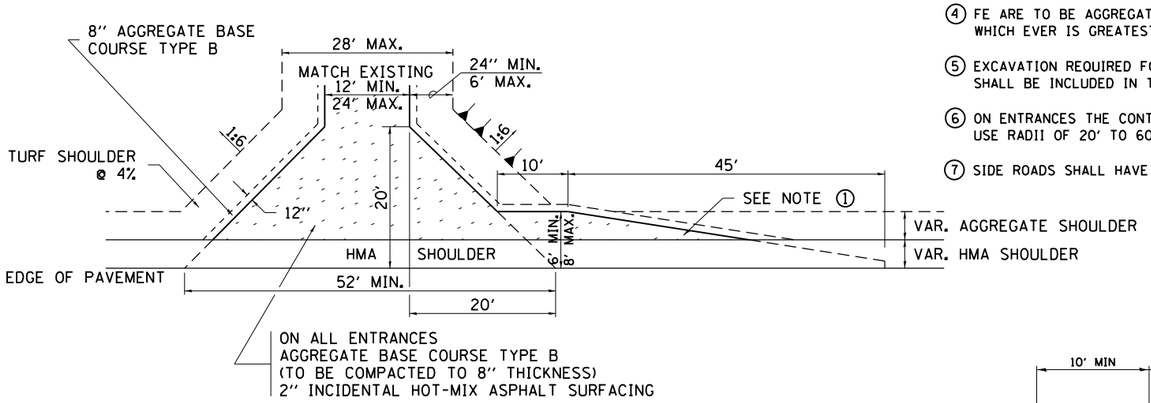
SIDE ROAD RETURN/EARTH SHOULDER

NOTE

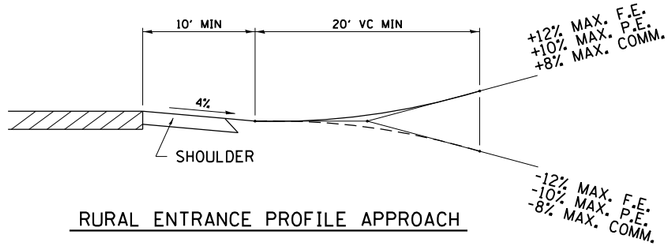
1. TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
2. ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
3. ALL PE & CE TO BE CONSTRUCTED WITH AN 8'' AGGREGATE BASE COURSE, TYPE B AND WITH A 2'' INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
4. FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICH EVER IS GREATEST.
5. EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE.
6. ON ENTRANCES THE CONTRACTOR HAS THE OPTION OF USING RADIUS RETURNS. USE RADII OF 20' TO 60'.
7. SIDE ROADS SHALL HAVE 3'' INCIDENTAL PLACED IN TWO 1½'' LIFTS.



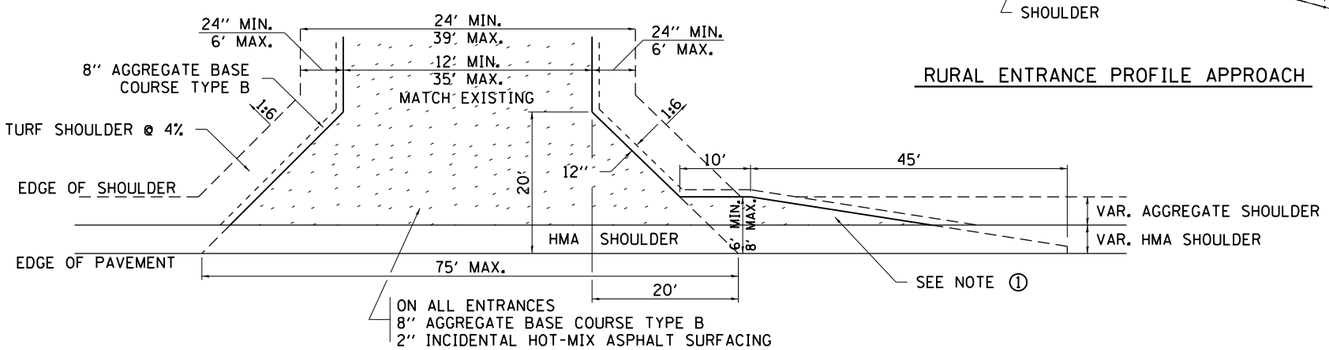
SIDE ROAD RETURN/HMA SHOULDER



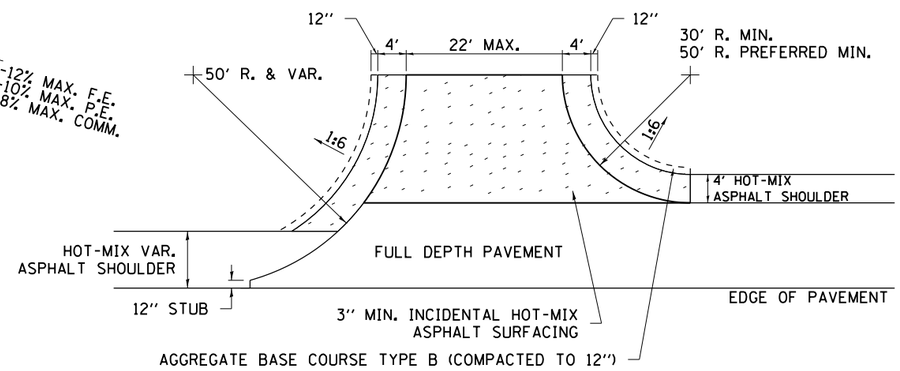
PRIVATE ENTRANCE



RURAL ENTRANCE PROFILE APPROACH



COMMERCIAL ENTRANCE



SIDE ROAD RETURN WITH RIGHT TURN LANE

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		DRAWN -	REVISED - 12-07-10
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Oct 10 07:44:08 2013	DATE -	REVISED -

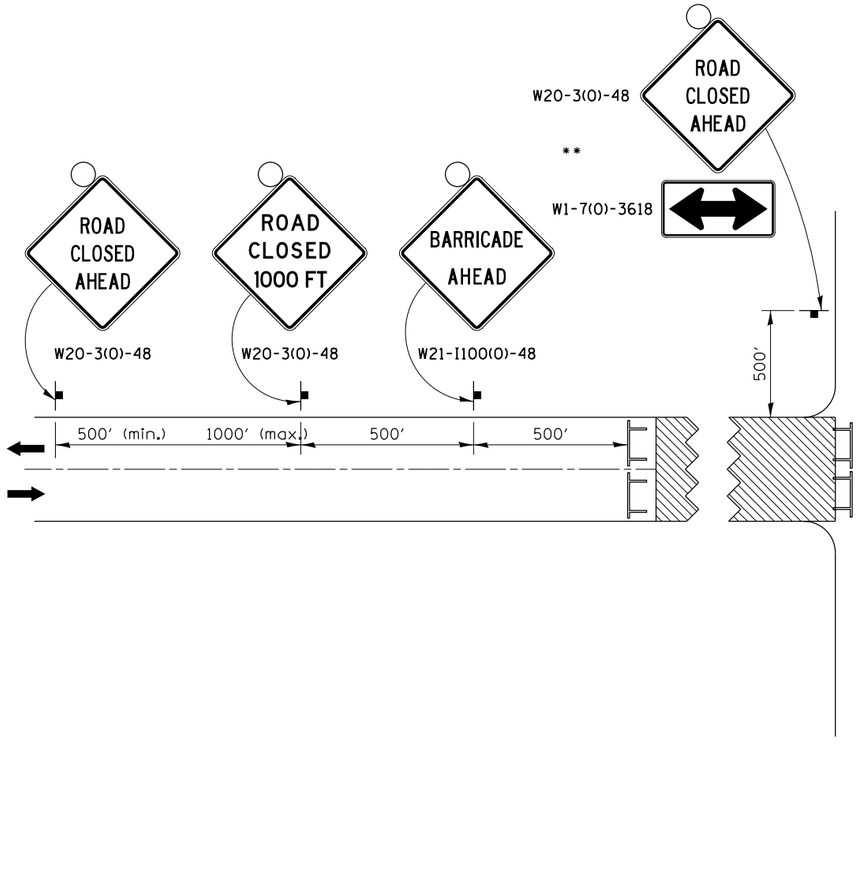
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

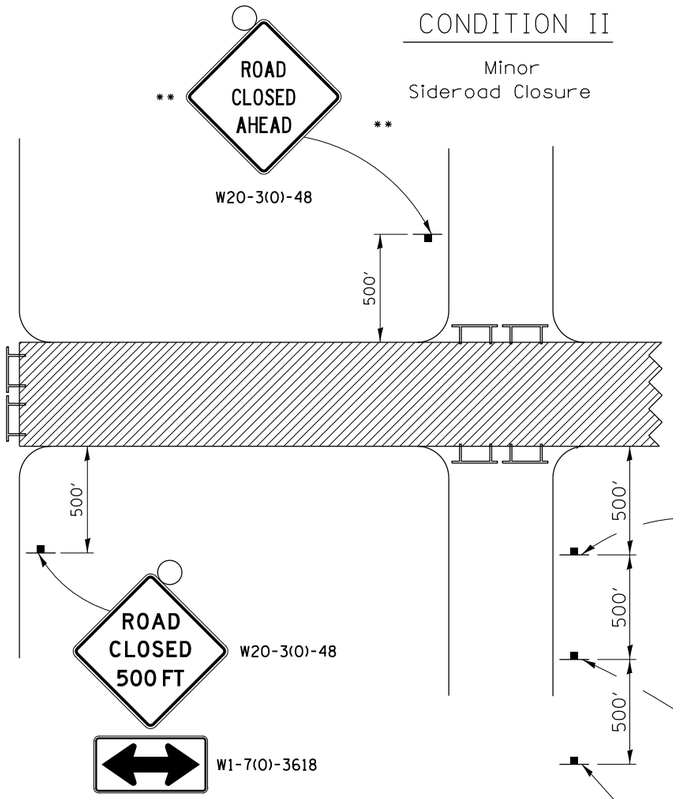
REGION 2 / DISTRICT 2 STANDARD

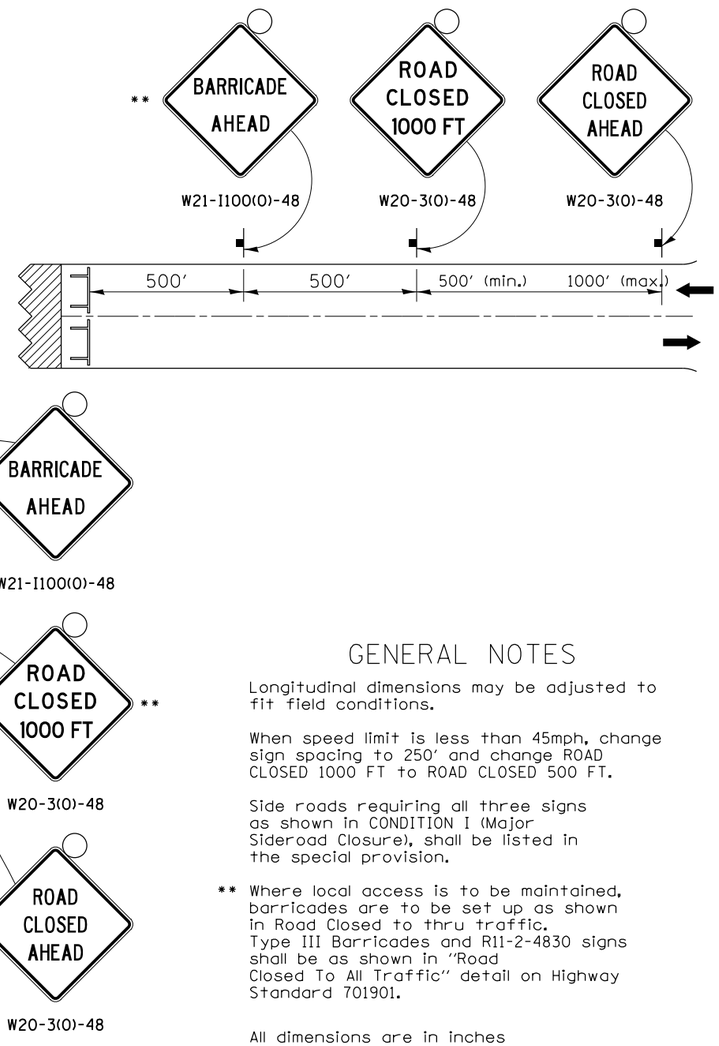
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JoDAVIESS	97	64
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC CONTROL FOR ROAD CLOSURE



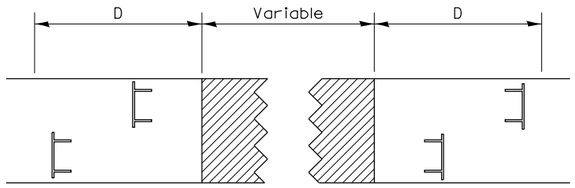




CONDITION I

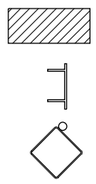
Major
Sideroad Closure

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 2000' an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS



Work area

Type III Barricade with Flashers

Sign with flashing light

GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic. Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in inches unless otherwise shown.

TYPICAL APPLICATION FOR ROAD CLOSURE

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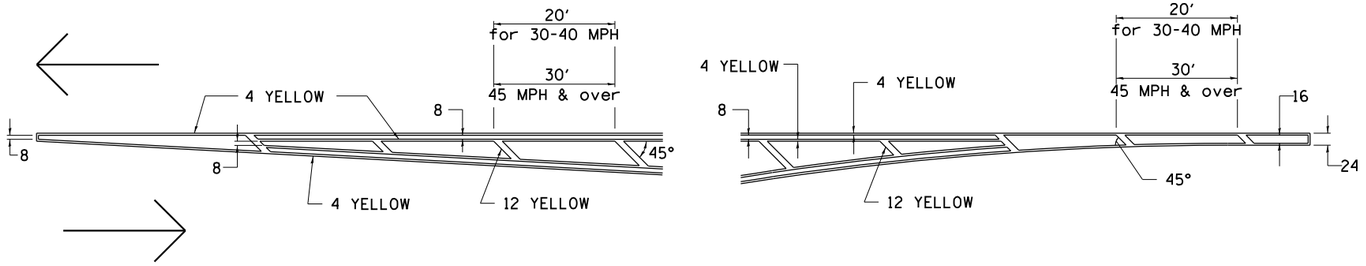
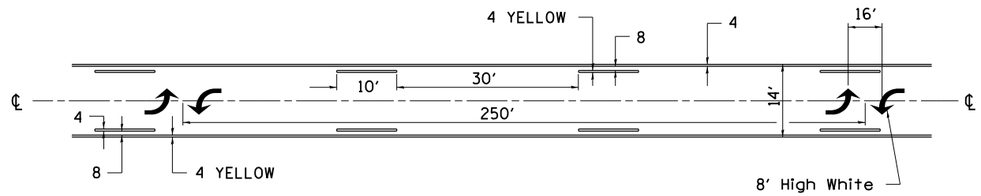
		DRAWN -	REVISED - 10-17-11			650	104T-3	JoDAVIESS	97	65
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 64F74		
	PLOT DATE = Thu Oct 10 07:44:20 2013	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

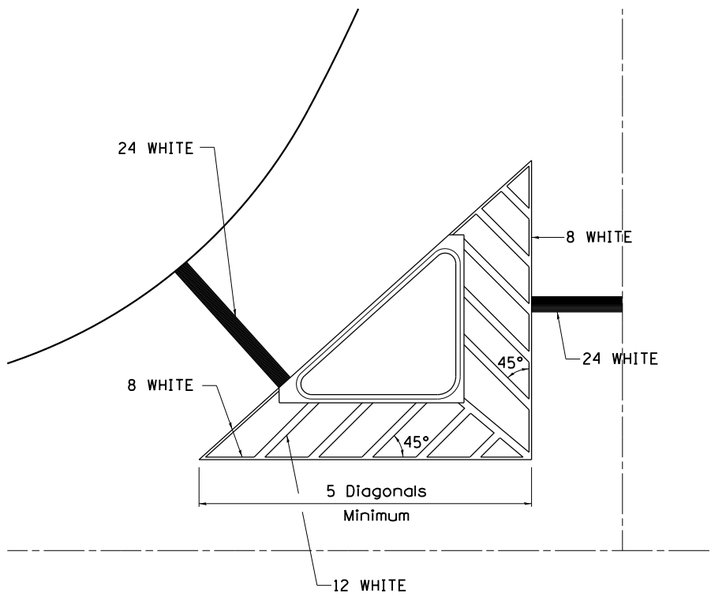


MEDIAN PAVEMENT MARKING

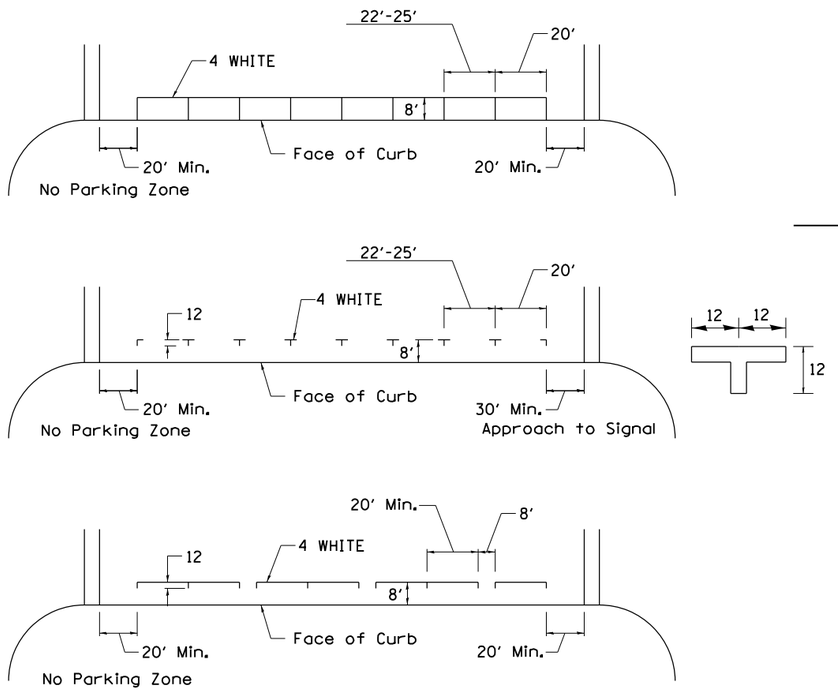


•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

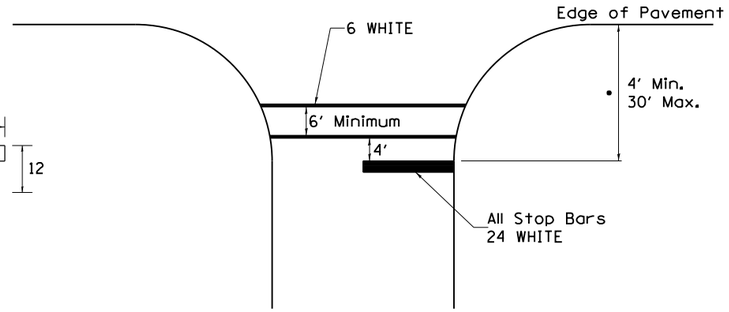


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

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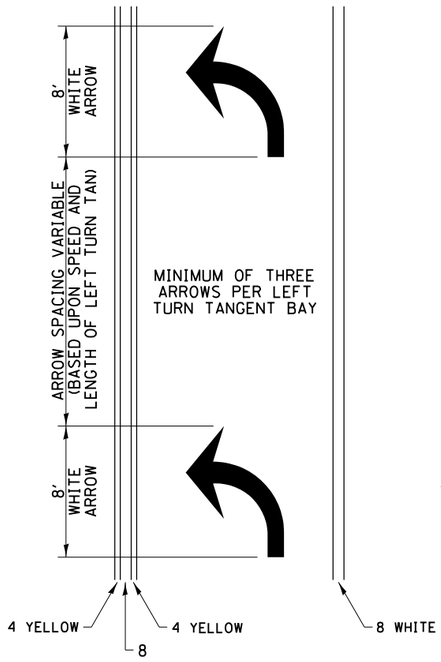
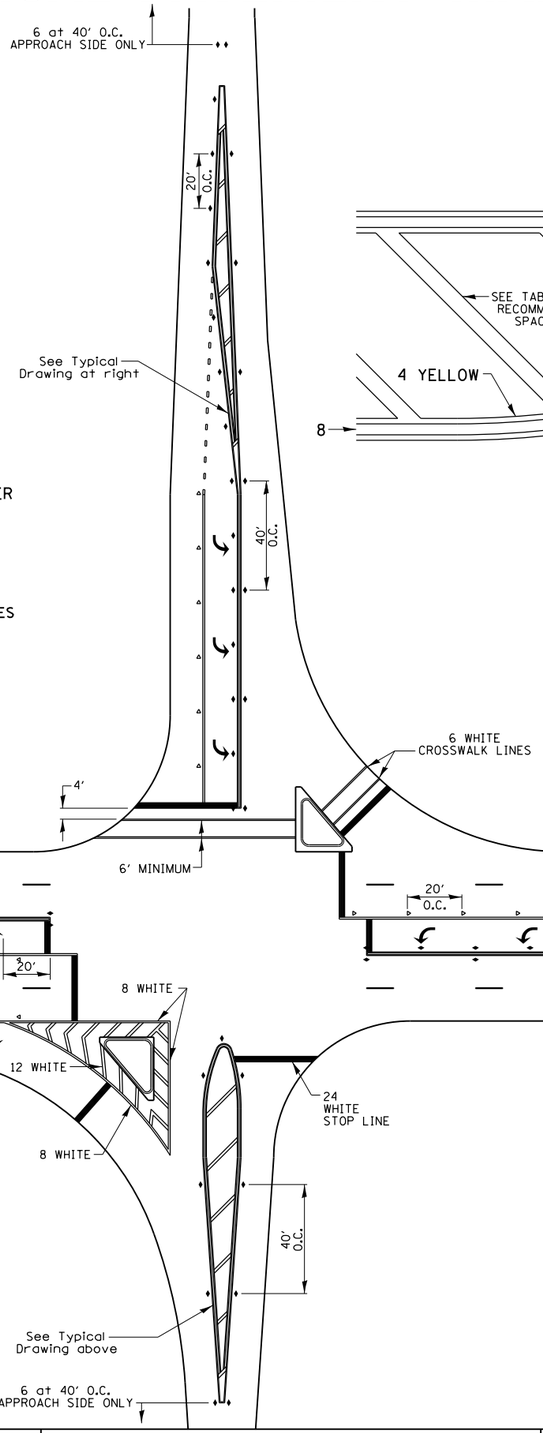
		DRAWN -	REVISED -			650	104T-3	JoDAVIESS	97	66
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 64F74		
	PLOT DATE = Thu Oct 10 07:44:34 2013	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT





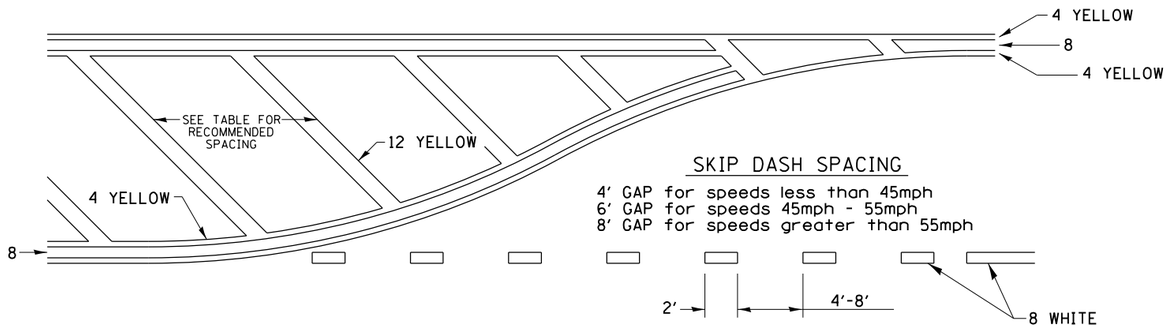
◀ ONE-WAY AMBER MARKER

◁ ONE-WAY CRYSTAL MARKER

◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



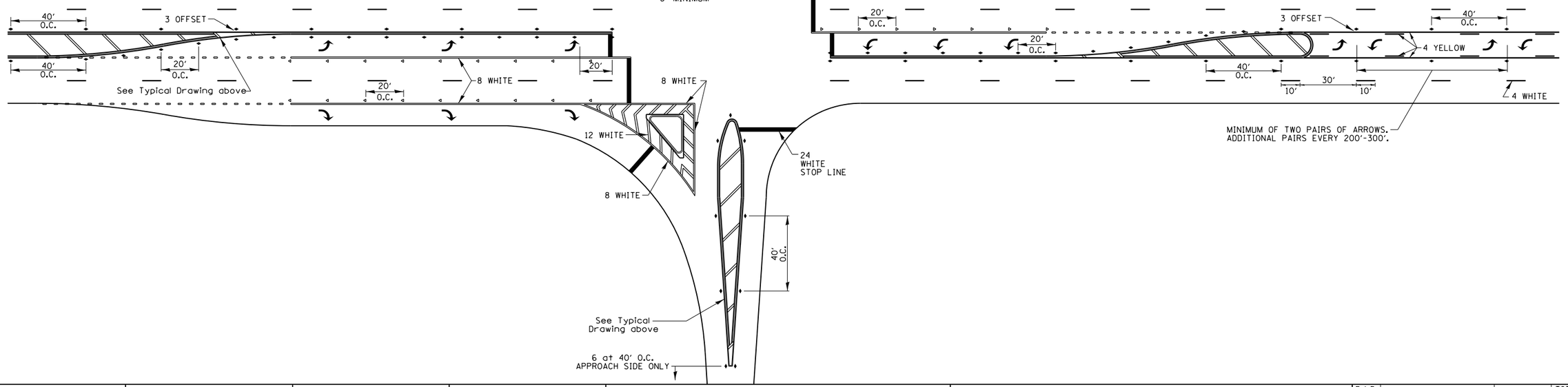
SKIP DASH SPACING

4' GAP for speeds less than 45mph
6' GAP for speeds 45mph - 55mph
8' GAP for speeds greater than 55mph

RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



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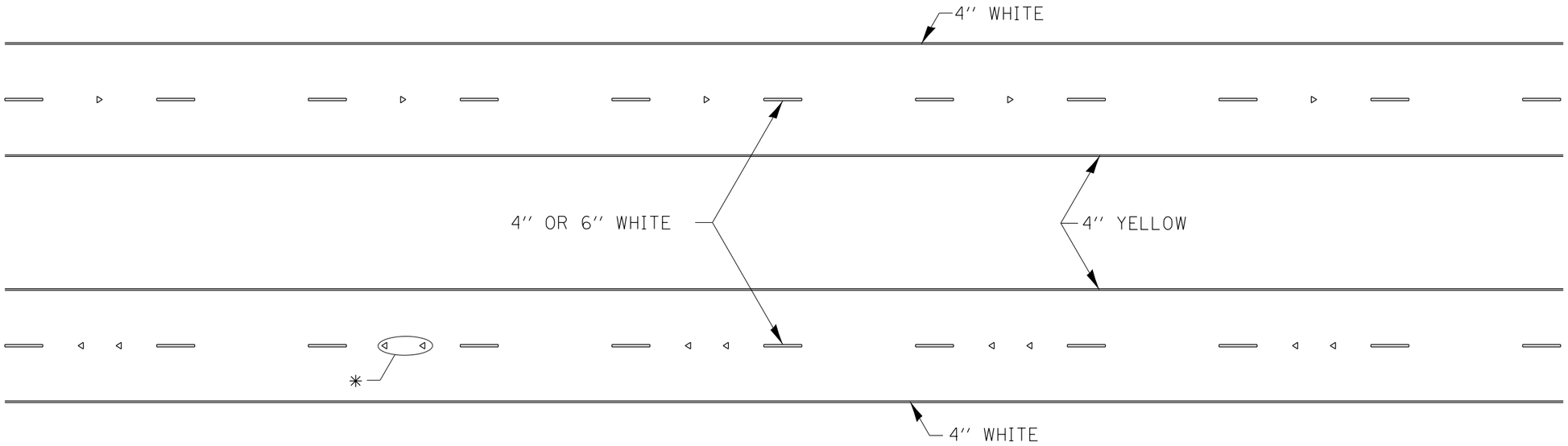
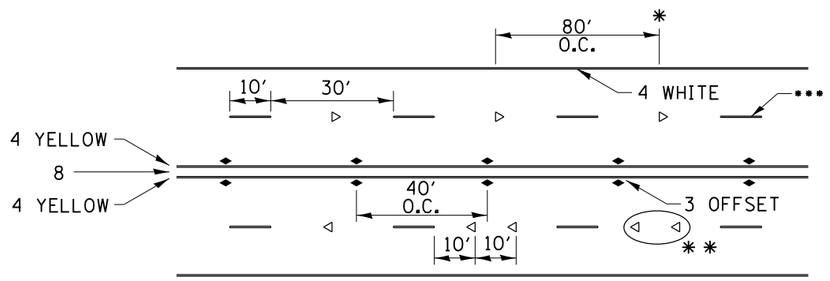
		DRAWN -	REVISED -			650	104T-3	JoDAVIESS	97	67
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 64F74		
	PLOT DATE = Thu Oct 10 07:44:46 2013	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS



✳ SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT ≥ 20,000.

MULTI–LANE / DIVIDED



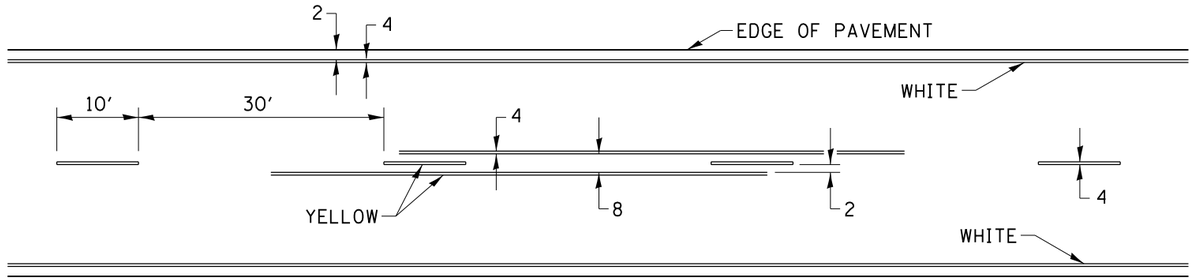
SYMBOLS

• REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

•• USE DOUBLE MARKERS WHEN ADT ≥ 20,000

••• CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4'' LINE. SPEED LIMIT 40 MPH AND OVER USE 6'' LINE.

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



MULTI–LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS DETAIL NOT HIGHWAY STANDARD 781001)

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		DRAWN -	REVISED - 11-28-12
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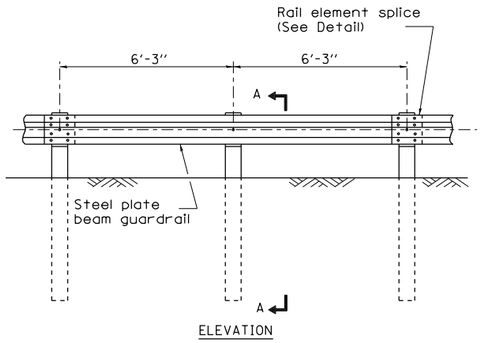
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

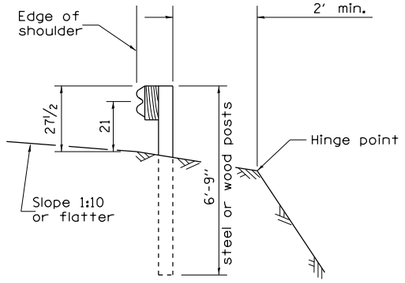
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JoDAVIESS	97	68
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

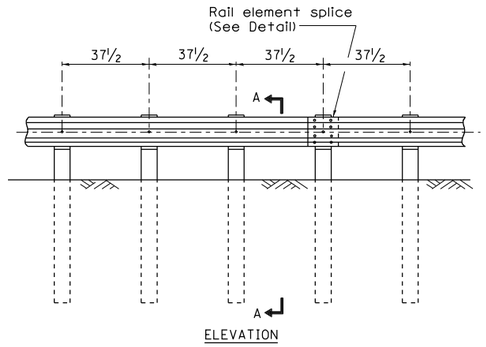


TYPE A

6'-3" Typical post spacing

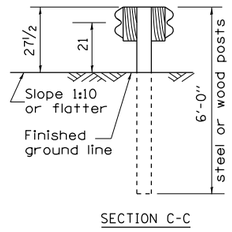


SECTION A-A

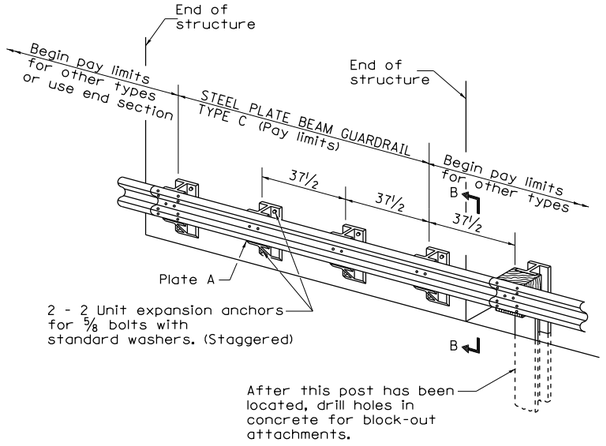


TYPE B

37½ Closed post spacing

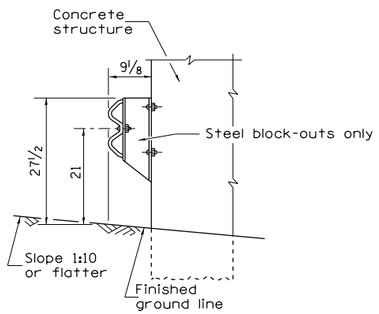


SECTION C-C

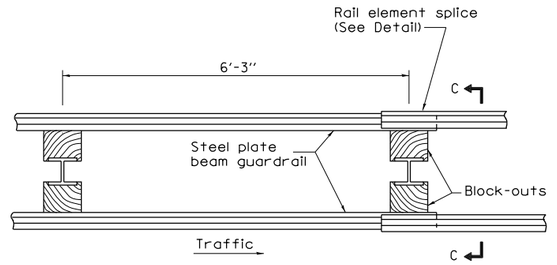


TYPE C

37½ Block-out spacing



SECTION B-B



PLAN

TYPE D

Double steel plate beam guardrail
6'-3" typical post spacing

GENERAL NOTES

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

All dimensions are in inches unless otherwise shown.

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

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	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = Thu Oct 10 07:45:16 2013	CHECKED -	REVISED -
		DATE -	REVISED -

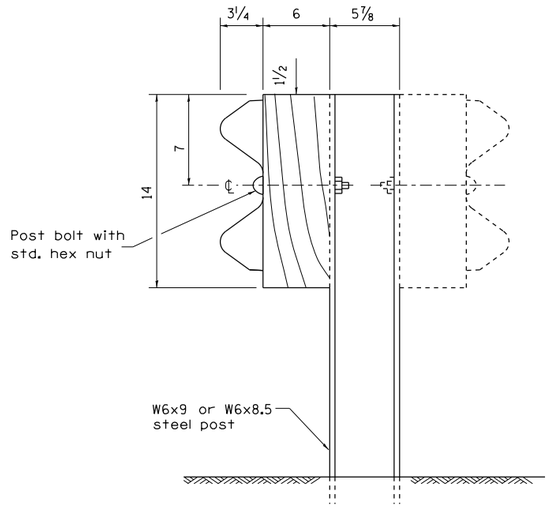
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

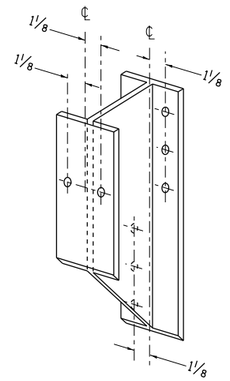
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JoDAVIESS	97	69
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

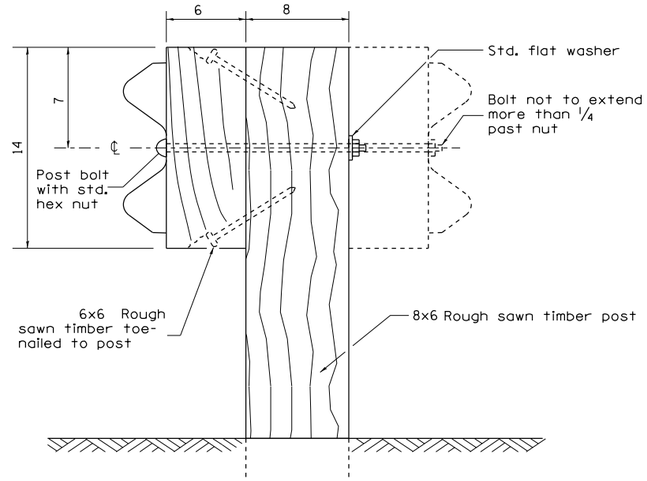
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



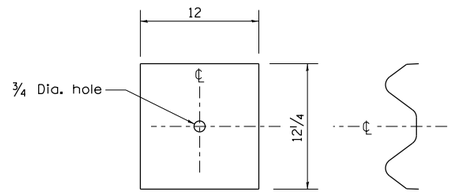
STEEL POST CONSTRUCTION



STEEL BLOCK-OUT DETAIL



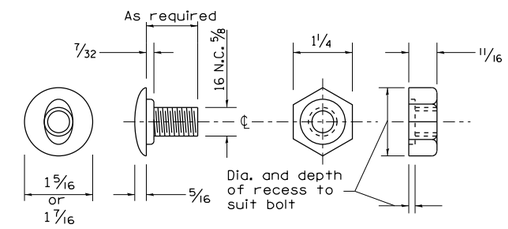
WOOD POST CONSTRUCTION



NOTE

Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.

PLATE A



POST OR SPLICE BOLT & NUT

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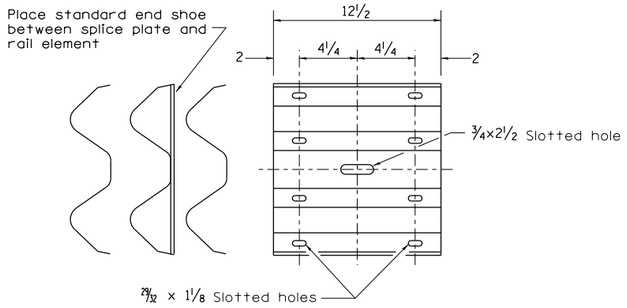
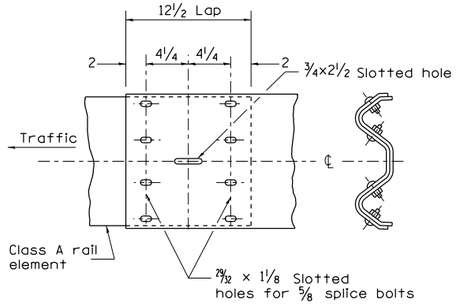
		DATE -	REVISED -		

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JoDAVIESS	97	70
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

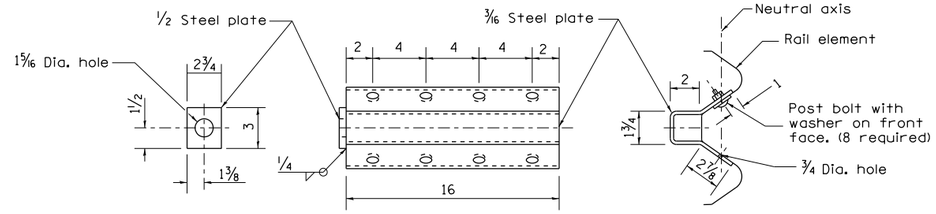
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



SPLICE PLATE



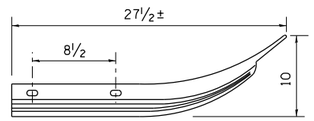
RAIL ELEMENT SPLICE

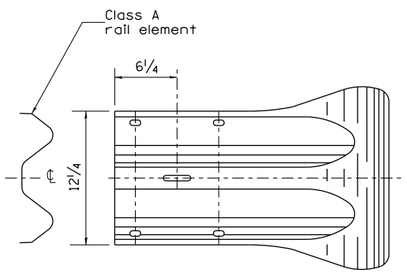


NOTE

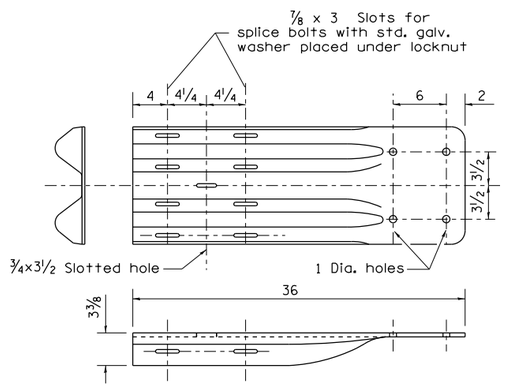
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS





END SECTION



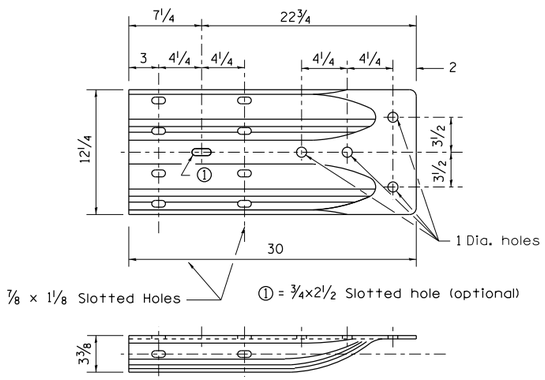
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

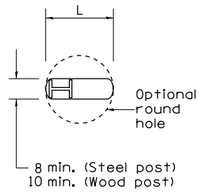
END SHOE



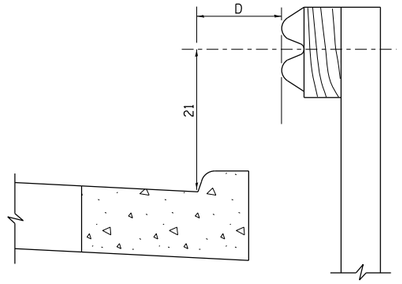
ALTERNATE END SHOE

FILE NAME = c:\pw_work\pwidot\rundbladerrr\d0232736\D201310-sht-cover.dgn	USER NAME = rundbladerr	DESIGNED -	REVISED - 10-18-11	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					650	104T-3	JoDAVIESS	97	71
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -							CONTRACT NO. 64F74		
	PLOT DATE = Thu Oct 10 07:45:45 2013	DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



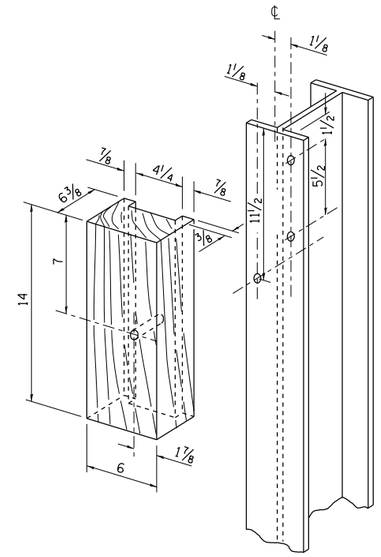
PLAN



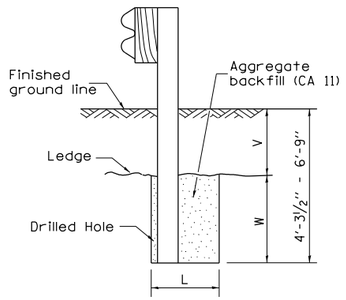
Note:
If it is necessary for D to be more than 12 and less than 10'-0" type M-2 curb and gutter (Std. 606001) shall be used in front of and in advance of the guardrail.

GUARDRAIL PLACED BEHIND CURB

(D = 0 desirable to 12 maximum)



WOOD BLOCK-OUT AND STEEL POST DETAILS

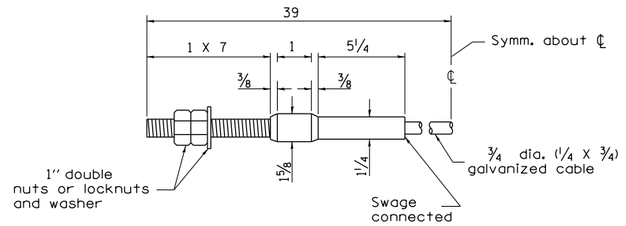


Note:
Ledge line is top of rock ledge or hard slag fill.

ELEVATION

FOOTING FOR POST WHEN IMPERVIOUS MATERIAL IS ENCOUNTERED

V	W	L	
		Steel Post	Wood Post
0 - 18	24	21	23
>18 - 41.5	12	8	10
>41.5 - 53.5	12 - 0	8	10



CABLE ASSEMBLY

(40,000 lbs. min. breaking strength)
Tighten to taut tension.

FILE NAME = c:\pw_work\pwidot\rundbladerrr\d0232736\D201310-sht-cover.dgn	USER NAME = rundbladerr	DESIGNED -	REVISED - 10-18-11
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Oct 10 07:45:58 2013	DATE -	REVISED -

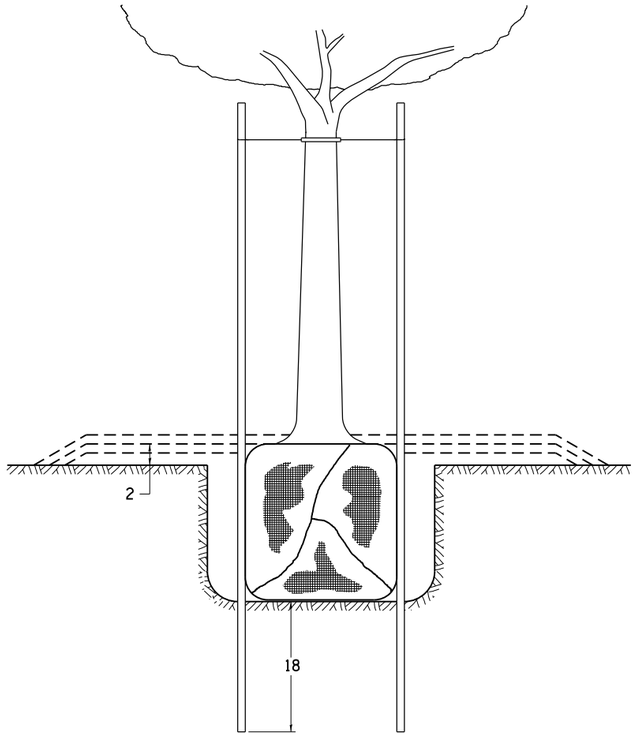
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JoDAVIESS	97	72
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

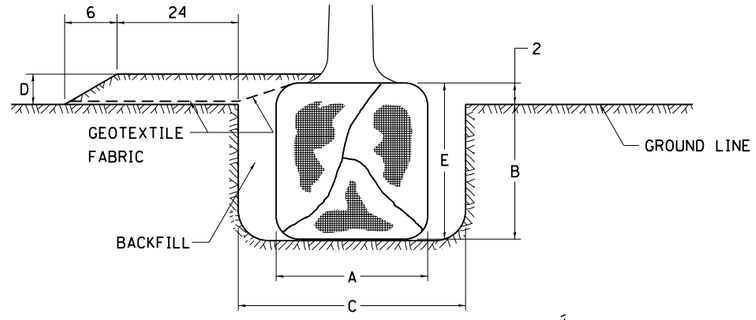
DETAILS OF PLANTING AND BRACING TREES

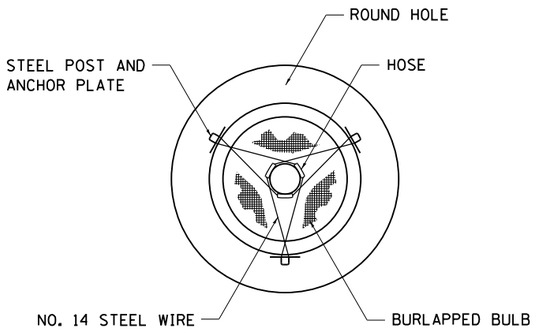


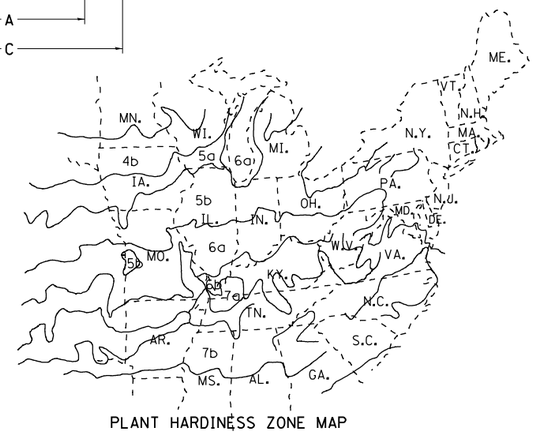
TREES SMALLER THAN 4½ IN DIAMETER

SMALL TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER CU. YDS.
5'-6'	16	10	30	4	12	0.54
5'-6' BB	16	10	30	4	12	0.54
6'-7' BB	18	12	30	4	14	0.54
7'-8' BB	20	11	30	4	13	0.54
8'-10' BB	24	14	36	4	16	0.61
10'-12' BB	26	15	36	4	17	0.61

LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER CU. YDS.
0-2	20	11	36	4	13	0.61
2-2½ BB	24	14	48	4	16	0.78
2½-3 BB	28	17	48	4	19	0.78
3-3½ BB	32	17	60	4	19	0.96
3½-4 BB	36	20	60	4	22	0.96
4-4½ BB	40	22	72	4	24	1.16
4½-5 BB	44	24	72	4	26	1.16
5-5½ BB	48	27	84	4	29	1.38

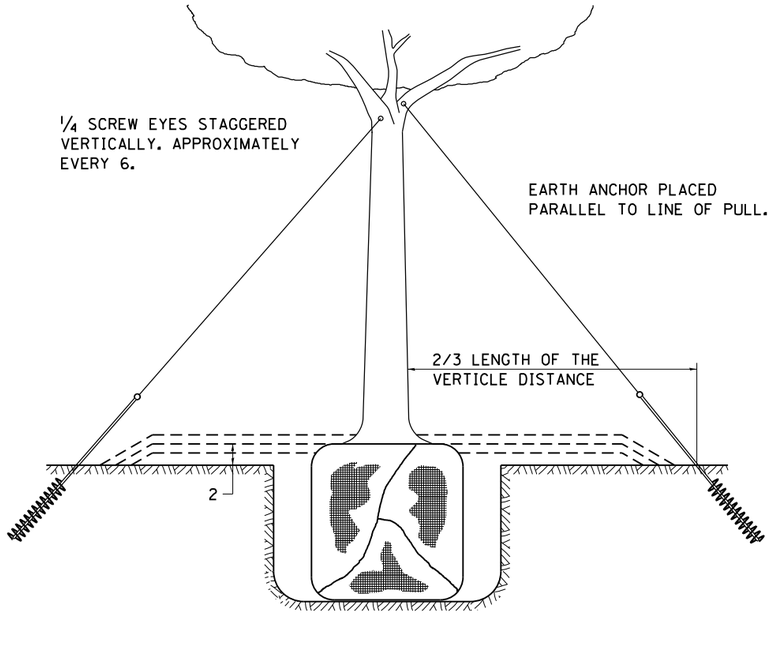




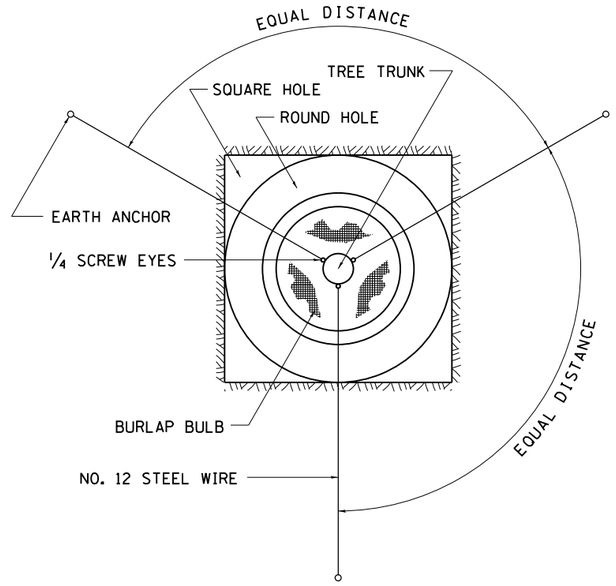


PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814



TREES OVER 4½ IN DIAMETER



ALL DIMENSIONS ARE IN INCHES
UNLESS OTHERWISE NOTED.

FILE NAME = c:\pw_work\pwidot\rundbladerrr\d0232736\D201310-sht-cover.dgn	USER NAME = rundbladerr	DESIGNED -	REVISED - 10-18-11
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Oct 10 07:46:08 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

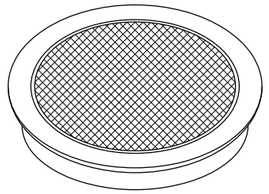
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JoDAVIESS	97	73
		CONTRACT NO. 64F74		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

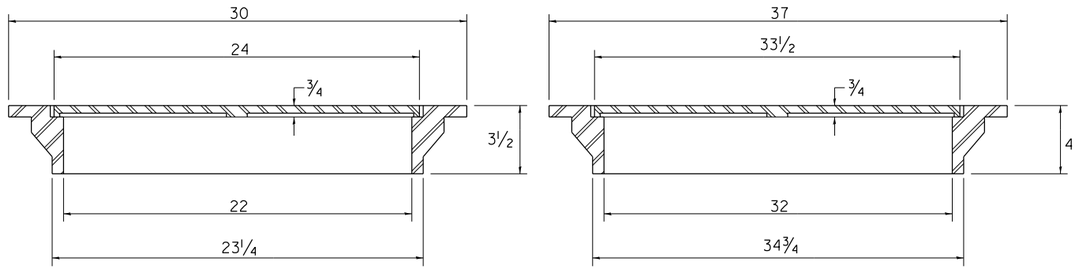
DETAILS OF PLANTING AND BRACING TREES **92.1**

FIELD TILE JUNCTION VAULTS 24 AND 36 DIA.



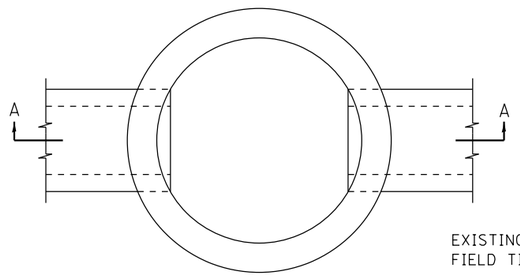
FRAME & LID FOR 24 VAULT

FRAME & LID FOR 36 VAULT

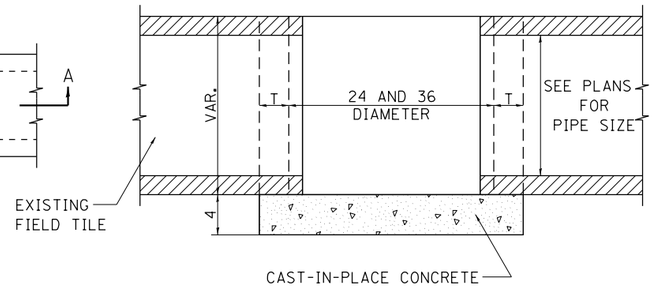


TOTAL WEIGHT: 146 LBS.

TOTAL WEIGHT: 280 LBS.



PLAN

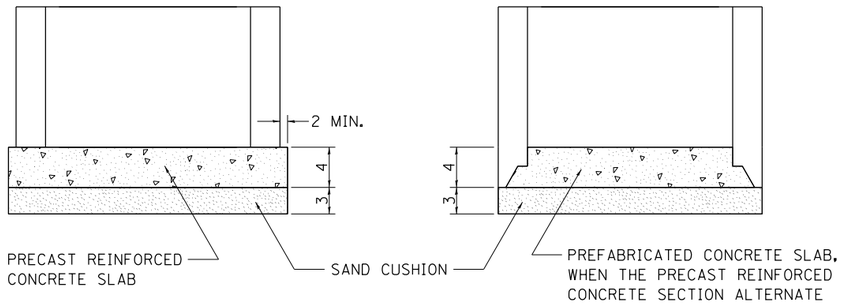


SECTION A-A

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8
CAST-IN-PLACE CONCRETE	6
CONCRETE MASONRY UNIT	5
PRECAST REINFORCED CONCRETE SECTION	3

NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

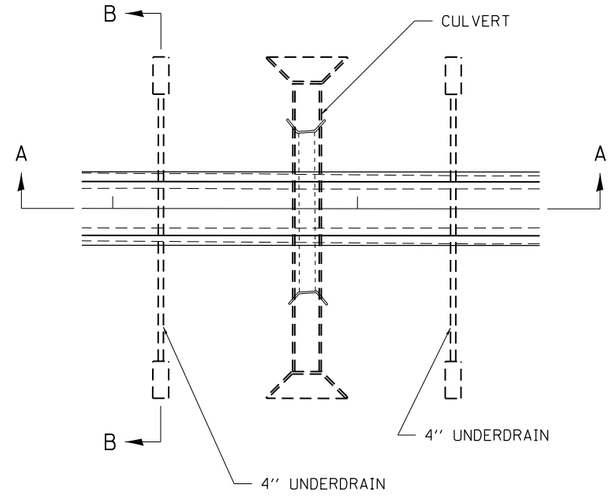


ALTERNATE METHODS

REVISED - 10-14-11

PLOT DATE = Thu Oct 10 07:46:20 2013

UNDERDRAIN FOR ACROSS ROAD (AR) CULVERTS



NOTES:

IN SAG CONDITIONS INSTAL PIPE UNDERDRAINS ON BOTH SIDES OF CULVERT.

ON HIGHWAY GRADES GREATER THAN 2% INSTALL PIPE UNDERDRAINS ON THE HIGH SIDE OF THE CULVERT.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATION.

THE UNDERDRAIN SHALL EXTEND UNTIL INTERSECTING WITH THE SIDE SLOPES. THE PIPES SHALL DRAIN INTO CONCRETE HEADWALLS. (SEE ARTICLE 601.05 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARDS 601101).

THE UNDERDRAIN SHALL BE A MINIMUM OF 12'' BELOW THE EXISTING PAVEMENT.

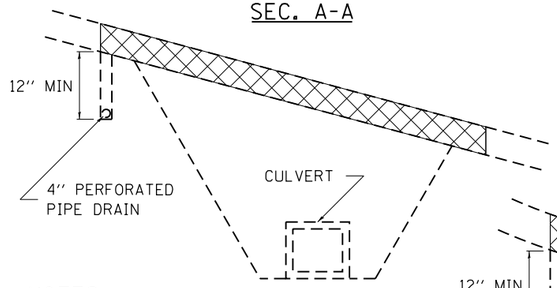
THE TRENCH FOR THE UNDERDRAIN SHALL BE BACKFILLED WITH CA7 OR CA16.

THE TRENCH SHALL BE WRAPPED USING A FABRIC ENVELOPE MEETING THE REQUIREMENTS OF ARTICLE 1080.05 OF THE STANDARD SPECIFICATIONS. FABRIC ENCASING THE PIPE SHALL BE ELIMINATED.

PIPE UNDERDRAINS WILL BE PAID FOR AT THE CONTRACT UNITPRICE PER FOOT FOR PIPE UNDERDRAINS 4''.

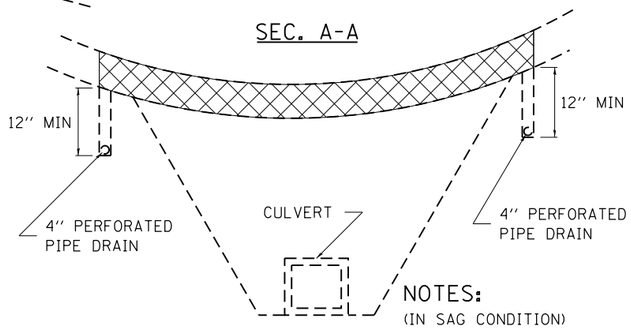
CONCRETE HEADWALLS WILL BE PAID FOR AT THE CONTACT UNIT PRICE PER EACH FOR CONCRETE HEADWALLS FOR PIPE DRAINS.

SEC. A-A



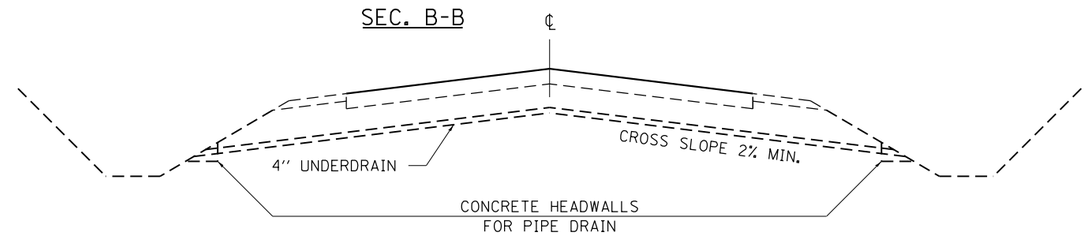
NOTES:
(HIGHWAY GRADE GREATER THAN 2%)

SEC. A-A



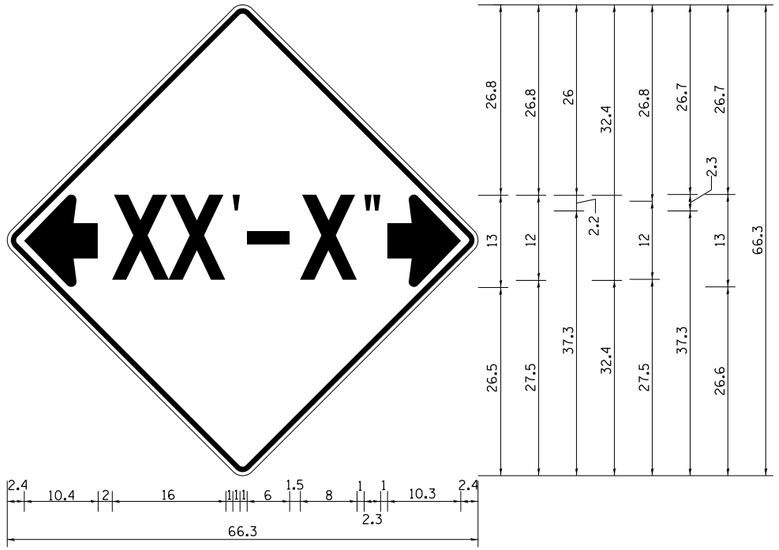
NOTES:
(IN SAG CONDITION)
(PIPE DRAIN ON EACH SIDE)

SEC. B-B



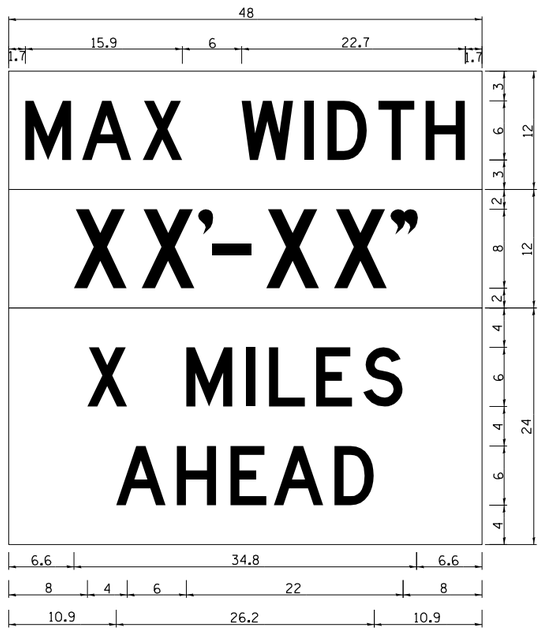
REVISED - 7-05-12	REGION 2 / DISTRICT 2 STANDARD	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		650	104T-3	JoDAVIESS	97	74
REVISED -				CONTRACT NO. 64F74		
REVISED -	SCALE: 40.0000 ' / in. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES

W12-2 - Horizontal Clearance Sign 48.0" across sides, 1.9" Radius, 0.8" Border, 0.5" Indent, Black on Orange; Standard Arrow Custom 10.4" X 8.1" 180° Black 11 Inch D Series Lettering; Standard Arrow Custom 10.4" X 8.1" 0°



W12-I103 (Width is 8D);
No border, Black on White;
[MAX WIDTH] D;

No border, Black on Orange;
[XX'-XX"] D;

No border, Black on White;
[X MILES] D; [AHEAD] D;

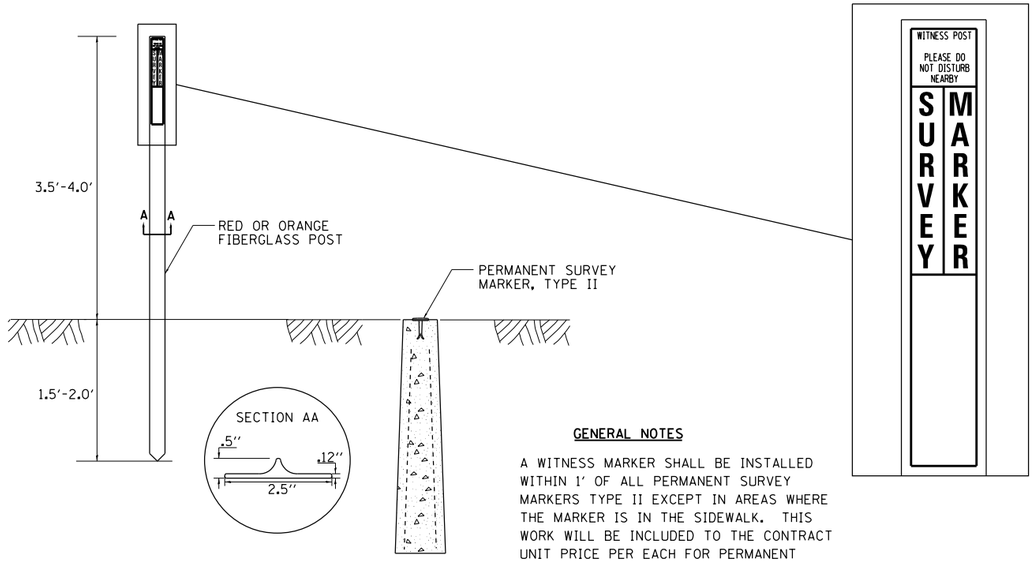
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09

PLOT DATE = Thu Oct 10 07:46:33 2013

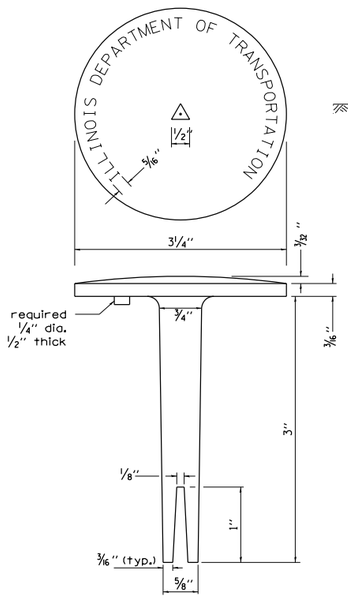
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



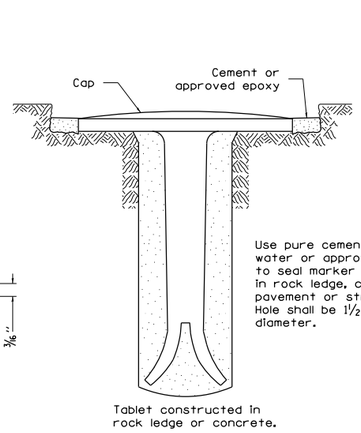
GENERAL NOTES

A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

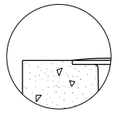
PERMANENT SURVEY MARKERS, TYPE II



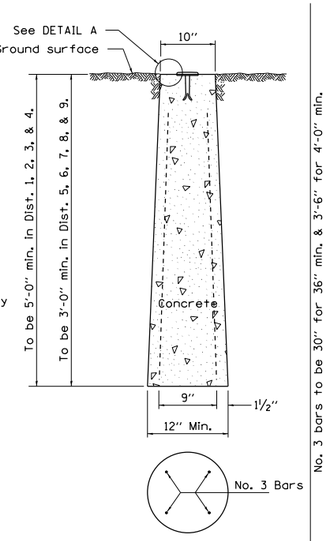
BRASS OR ALUMINUM TABLET



TYPE II



DETAIL A



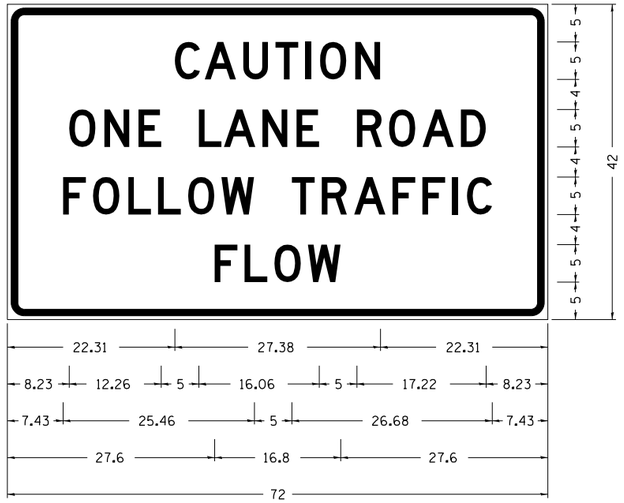
TYPE II

CAST-IN-PLACE MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-14-11	REGION 2 / DISTRICT 2 STANDARD		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -			650	104T-3	JoDAVIESS	97	75
REVISED -					CONTRACT NO.		
REVISED -	SCALE: 40.0000 ' / in.	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS



Type AA Fluorescent Orange Sheeting ;
2.25" Radius, 0.88" Border, 0.50" Indent, Black on Orange;
[CAUTION] D; [ONE LANE ROAD] D;
[FOLLOW TRAFFIC] D; [FLOW] D

Table Of Widths And Spaces

22.31	C 3.36	0.62	A 4.18	0.94	U 3.36	0.94	T 3.04	0.94	I 0.78	1.17	O 3.52	1.17	N 3.36	22.31
8.23	O 3.51	1.17	N 3.36	1.18	E 3.04									
	5.00	L 3.05	0.31	A 4.18	0.94	N 3.36	1.17	E 3.05						
	5.00	R 3.36	0.93	O 3.52	0.94	A 4.18	0.93	D 3.36	8.23					
7.43	F 3.04	0.94	O 3.52	1.17	L 3.04	0.94	L 3.05	0.94	O 3.51	0.94	W 4.37			
	5.00	T 3.05	0.94	R 3.36	0.94	A 4.18	0.93	F 3.05	0.94	F 3.04	0.94	I 0.78	1.18	C 3.35	7.43
27.60	F 3.05	0.94	L 3.04	0.94	O 3.52	0.93	W 4.38	27.60						

GENERAL NOTES

THIS SIGN SHALL BE INSTALLED AT ENTRANCES LOCATED BETWEEN THE TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER.

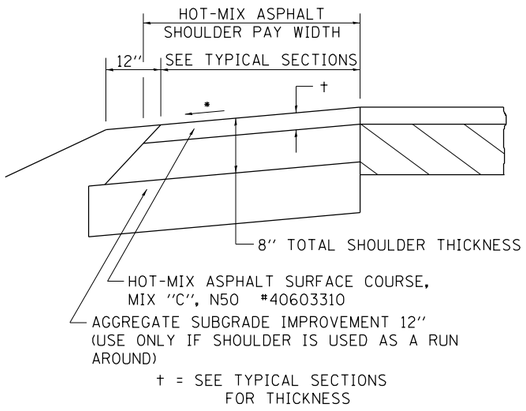
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

THE COST TO FURNISH, INSTALL AND REMOVE THIS SIGN AT THE REQUIRED LOCATIONS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701321.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-14-11

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 3-13-13

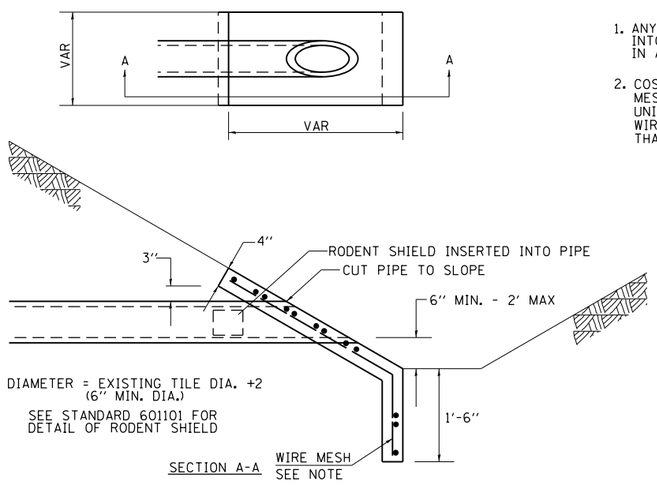
HOT-MIX ASPHALT SHOULDER 23.4a

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		650	104T-3	JoDAVIESS	97 / 76
REVISED -				CONTRACT NO. 64F74	
REVISED -	SCALE: 40.0000 '/ in. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

PLOT DATE = Thu Oct 10 13:56:31 2013

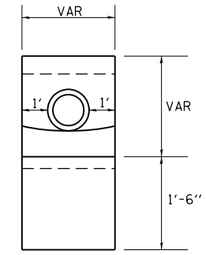
ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS 75.2

CAST–IN–PLACE REINFORCED CONCRETE END SECTIONS



NOTES

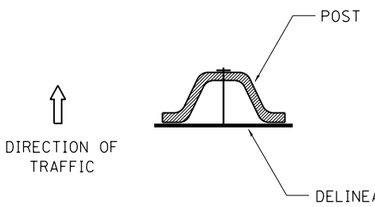
1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH OF THE SIZE SPECIFIED. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.

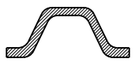


REVISED - 10-09-12

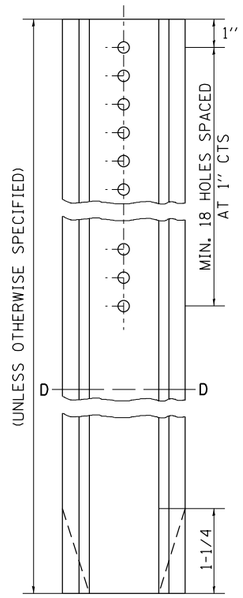
CAST–IN–PLACE REINFORCED CONCRETE END SECTIONS 28.4

DELINEATOR AND POST ORIENTATION





SECTION D-D



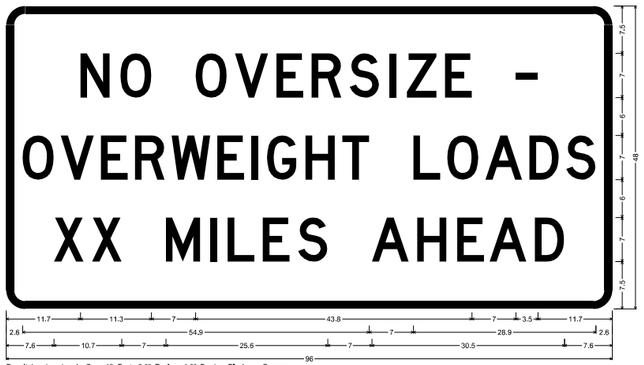
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

DELINEATOR AND POST ORIENTATION 37.4

ROAD CLOSED TO OVERSIZED LOADS



Permit Loads - Loads Over 13 Feet 3.0" Radius, 1.3" Border, Black on Orange:
[NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
Table of letter and object lefts.

N	O	D	V	E	R	S	I	Z	E	-									
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8									
O	V	E	R	W	E	I	G	H	T	L	O	A	D	S					
2.6	8.8	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7					
X	X	M	I	L	E	S	A	H	E	A	D								
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7								

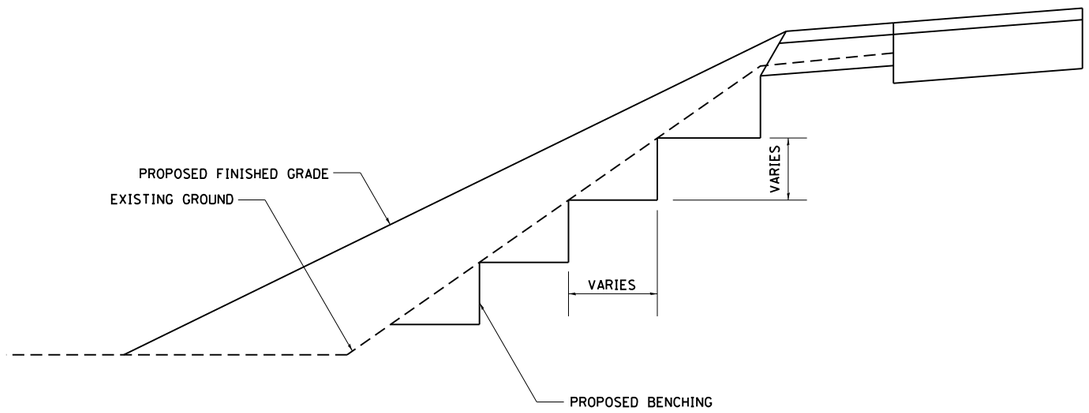
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 3-11-09

ROAD CLOSED TO OVERSIZED LOADS 40.4

TYPICAL BENCHING ON EXISTING EMBANKMENT

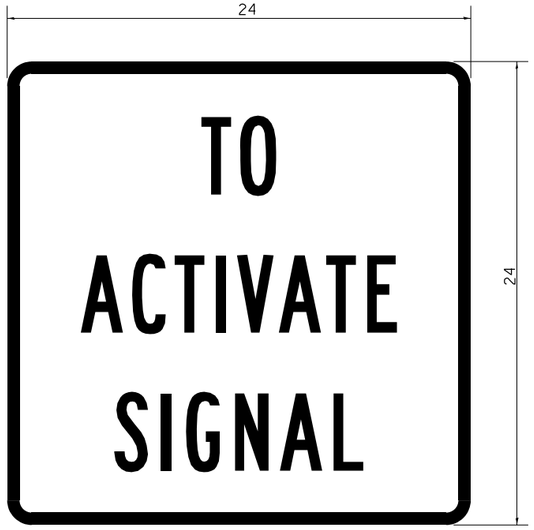


REVISED - 2-22-06	REGION 2 / DISTRICT 2 STANDARD		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -			650	104T-3	JoDAVIESS	97 / 77
REVISED -					CONTRACT NO. 64F74	
REVISED -	SCALE: 40.0000 ' / in. SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

PLOT DATE = Thu Oct 18 07:46:53 2013

STOP LINE SIGN FOR TEMPORARY SIGNALS



SIZE: 24 x 24

4 CAPITAL LETTERS - BLACK

1/2 BORDER - BLACK

WHITE REFLECTIVE - TYPE AP
HIGH INTENSITY PRISMATIC SHEETING

GENERAL NOTE:

THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.

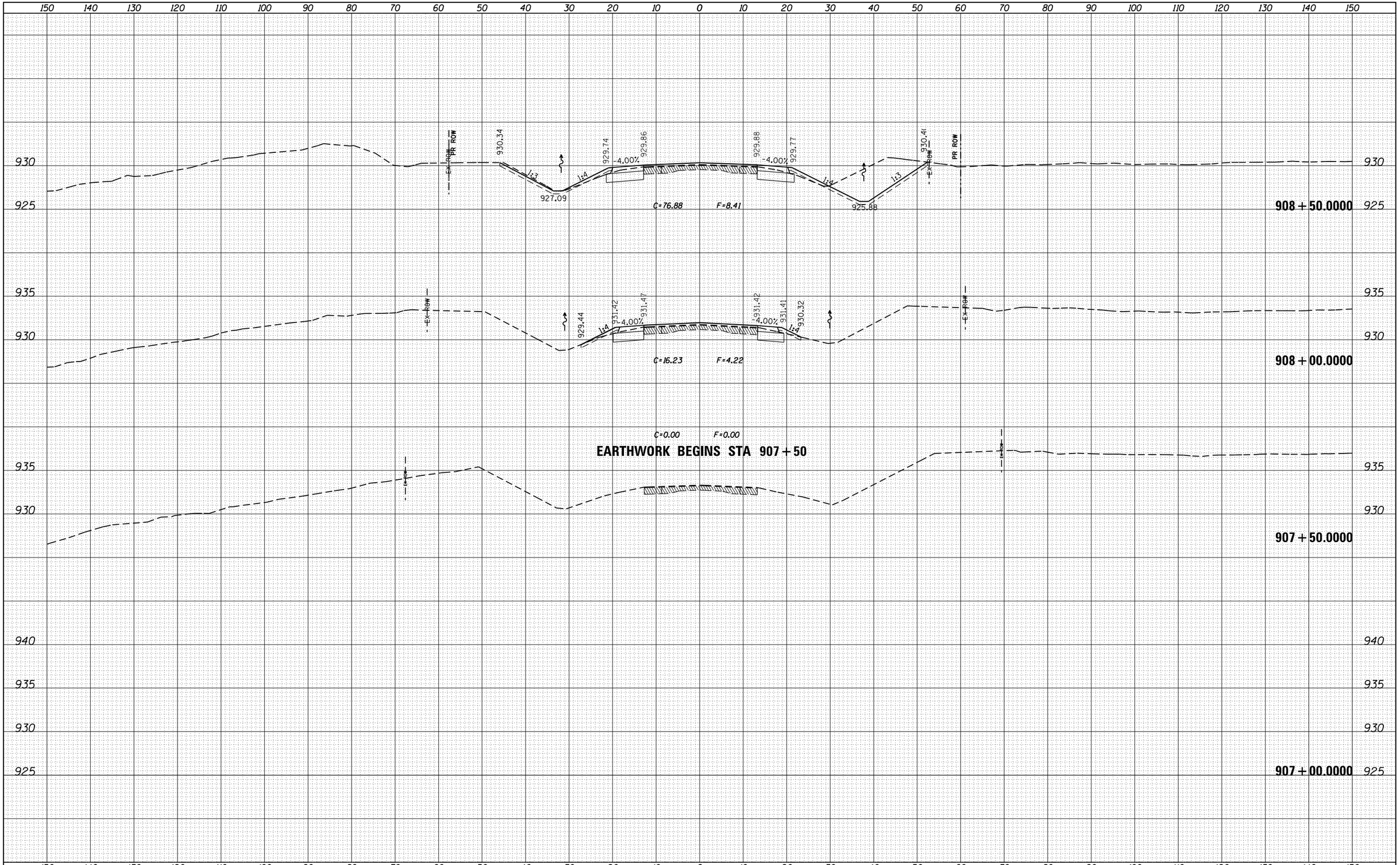
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-11-11

STOP LINE SIGN FOR TEMPORARY SIGNALS 99.4

PLOT DATE = Thu Oct 10 07:47:05 2013

REVISED -	**REGION 2 / DISTRICT 2 STANDARD**	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		650	104T-3	JoDAVIESS	97 / 78
REVISED -				CONTRACT NO. 64F74	
REVISED -	SCALE: 40.0000 '/ in. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



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

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

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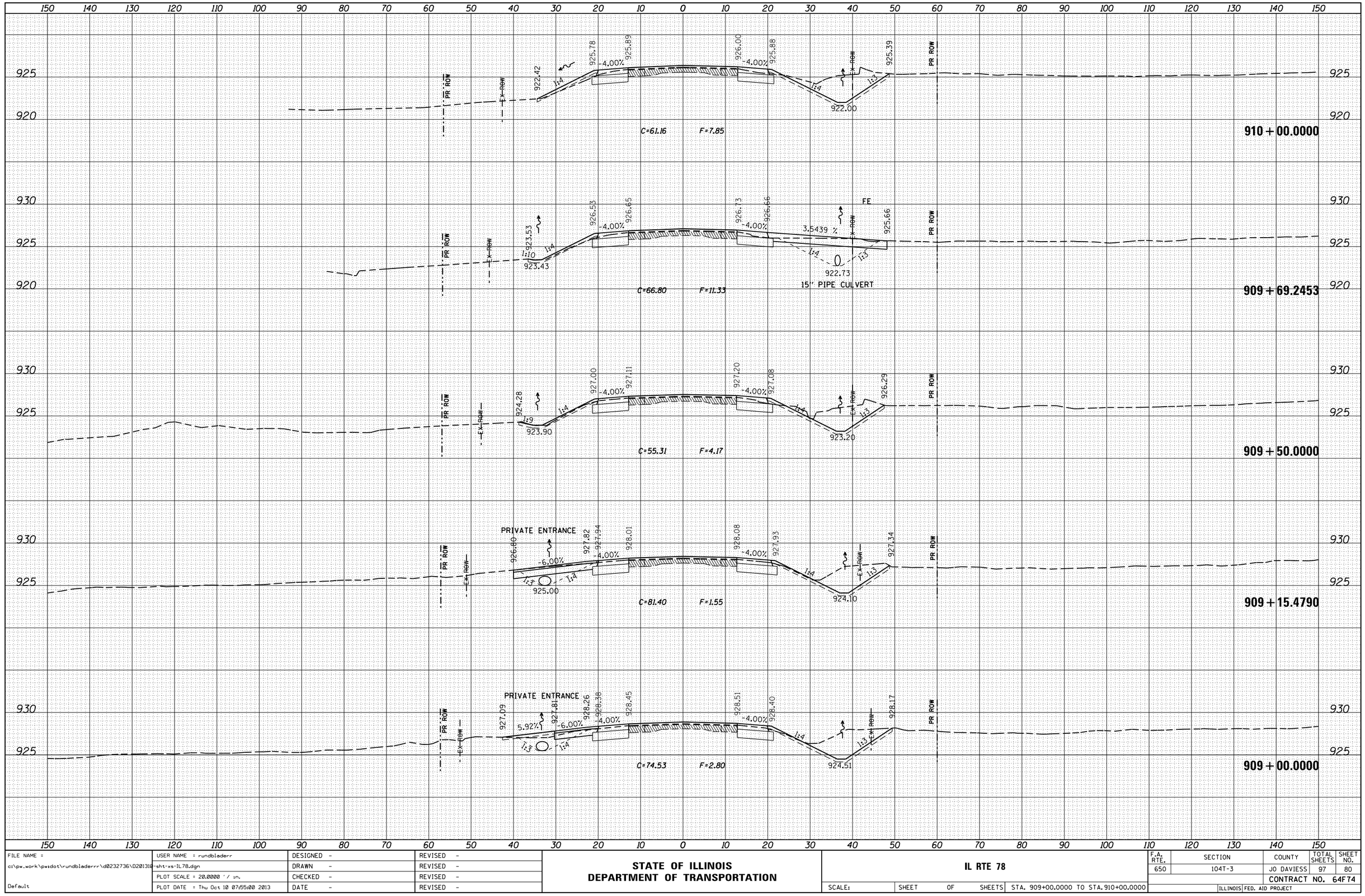
c:\pw_work\pwidot\rundbladerrr\d0232736\D201310-sht-xs-IL78.dgn		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = Thu Oct 10 07:54:40 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 907+00.0000 TO STA. 908+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	79
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY

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

ORIGINAL SURVEY

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

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		DRAWN -	REVISED -
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Default	PLOT DATE = Thu Oct 10 07:55:00 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

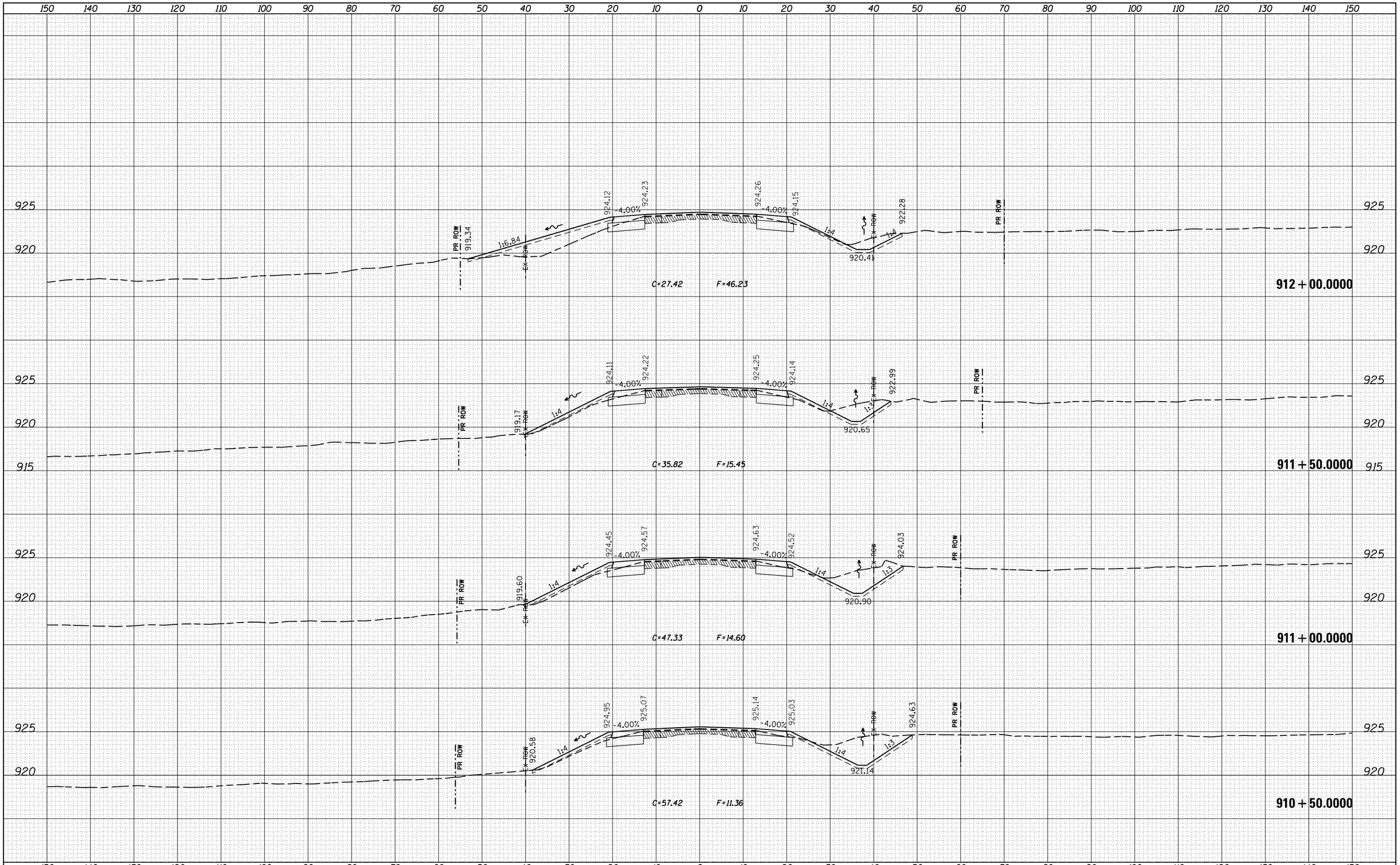
IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 909+00.0000 TO STA. 910+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	80
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

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

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



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Default	PLOT DATE = Thu Oct 10 07:55:19 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

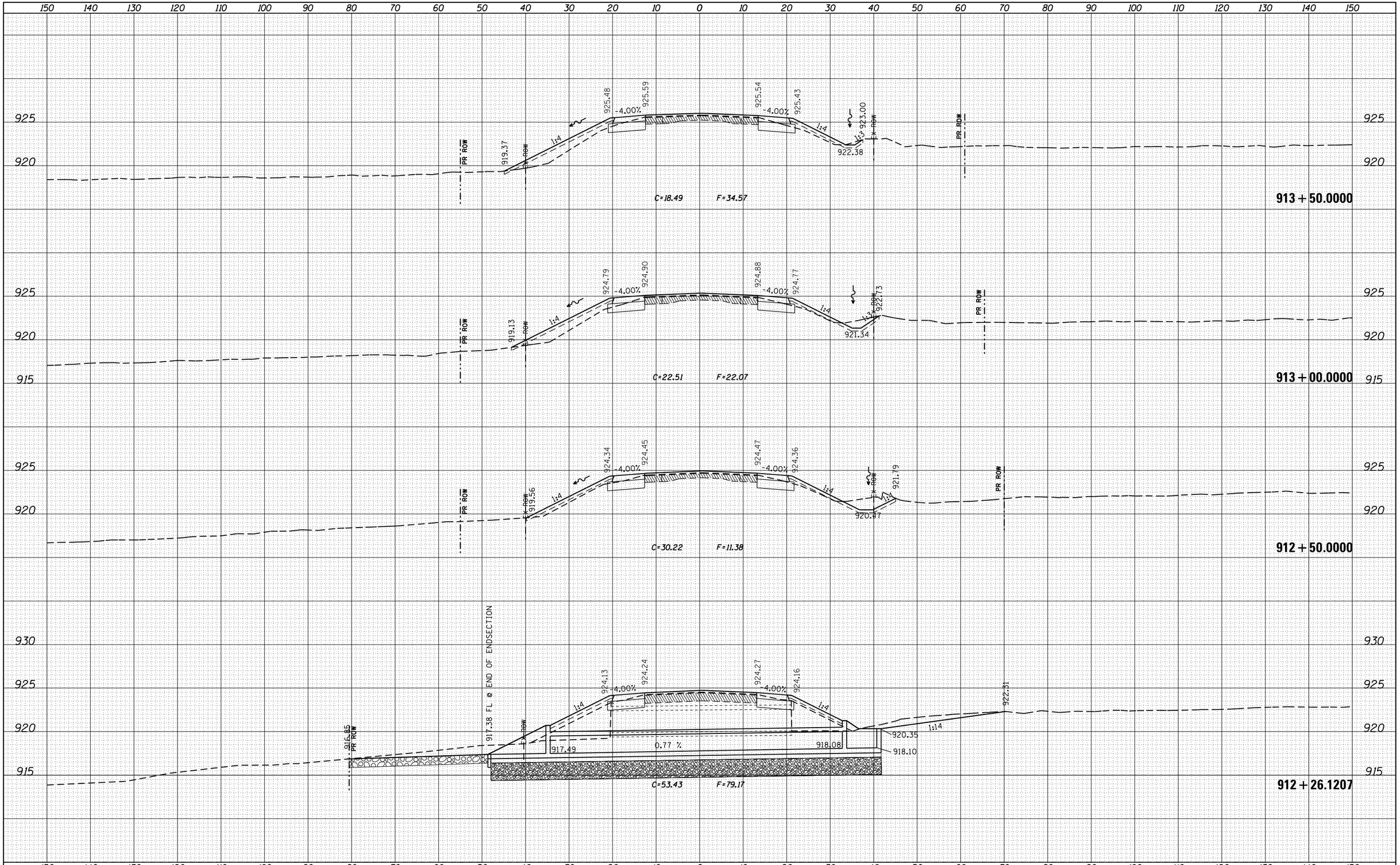
IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 910+50.0000 TO STA. 912+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	81
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

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

BY	DATE



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

BY	DATE

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Default	PLOT DATE = Thu Oct 10 07:55:34 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 912+26.1207 TO STA. 913+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	82
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

930

925

920

916 + 00.0000

EARTHWORK ENDS STA 915 + 87

C=0.00 F=0.00

915 + 87.1284

EX ROW

928.08 1:4 -4.00% 931 -4.00% 928.11 1:4 1:3 EX ROW

927.98 927.58

C=19.28 F=12.09

915 + 50.0000

EX ROW PR ROW 925.66 1:4 929.17 -4.00% 929.28 929.24 -4.00% 929.13 1:4 1:3 926.47 EX ROW

925.70

C=20.02 F=21.03

915 + 00.0000

PR ROW EX ROW 922.46 1:4 927.58 -4.00% 927.69 927.67 -4.00% 927.55 1:4 924.49 EX ROW PR ROW

923.85

C=19.91 F=31.54

914 + 50.0000

PR ROW EX ROW 920.54 1:4 926.46 -4.00% 926.57 926.51 -4.00% 926.40 1:4 923.55 EX ROW PR ROW

922.98

C=17.98 F=39.31

914 + 00.0000

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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Default	PLOT DATE = Thu Oct 10 07:55:50 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 914+00.0000 TO STA. 916+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	83
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

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

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

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Default	PLOT DATE = Thu Oct 10 07:56:08 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

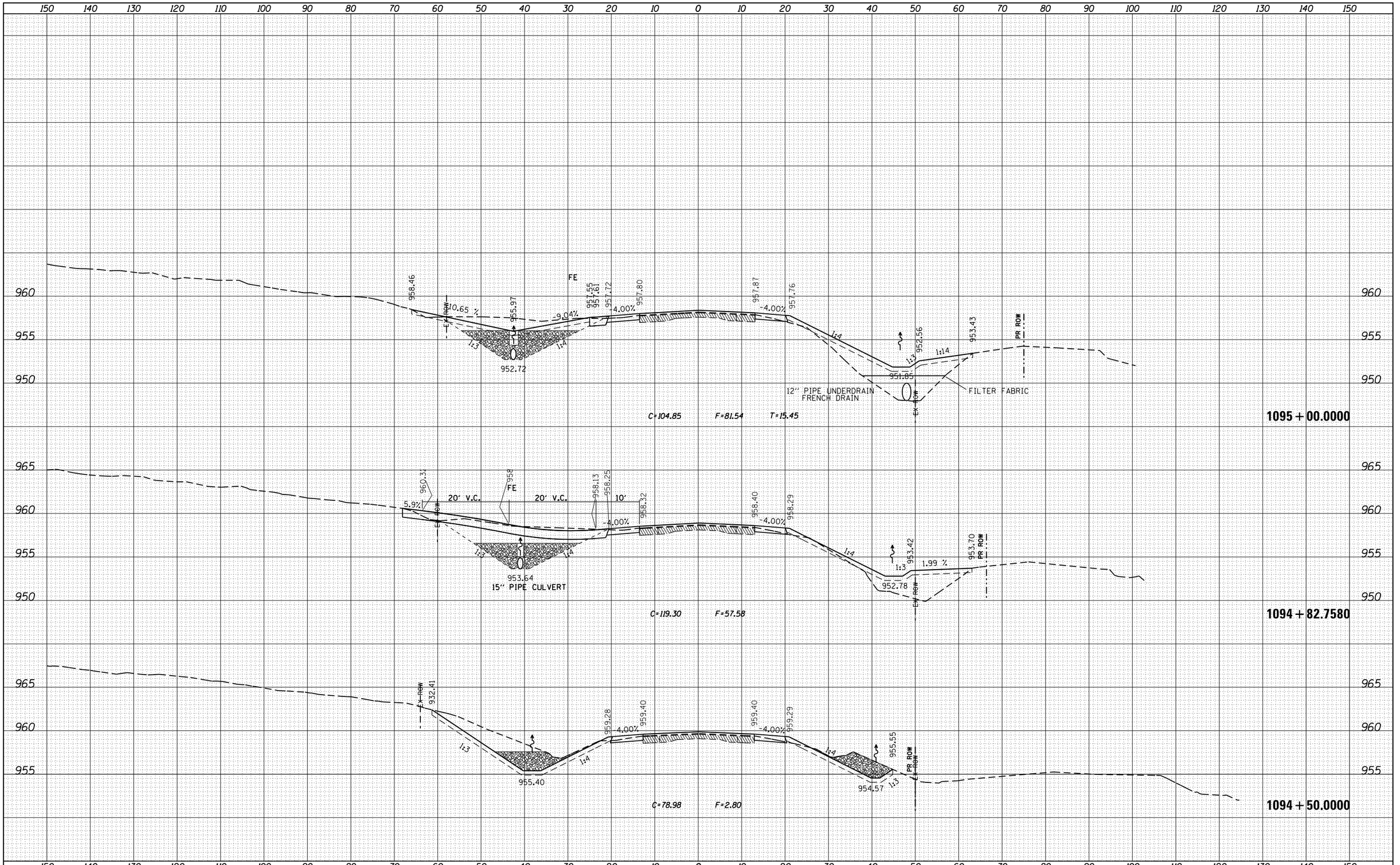
IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 1093+00.0000 TO STA.1094+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	84
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE



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Default	PLOT DATE = Thu Oct 10 07:56:26 2013	DATE -	REVISED -

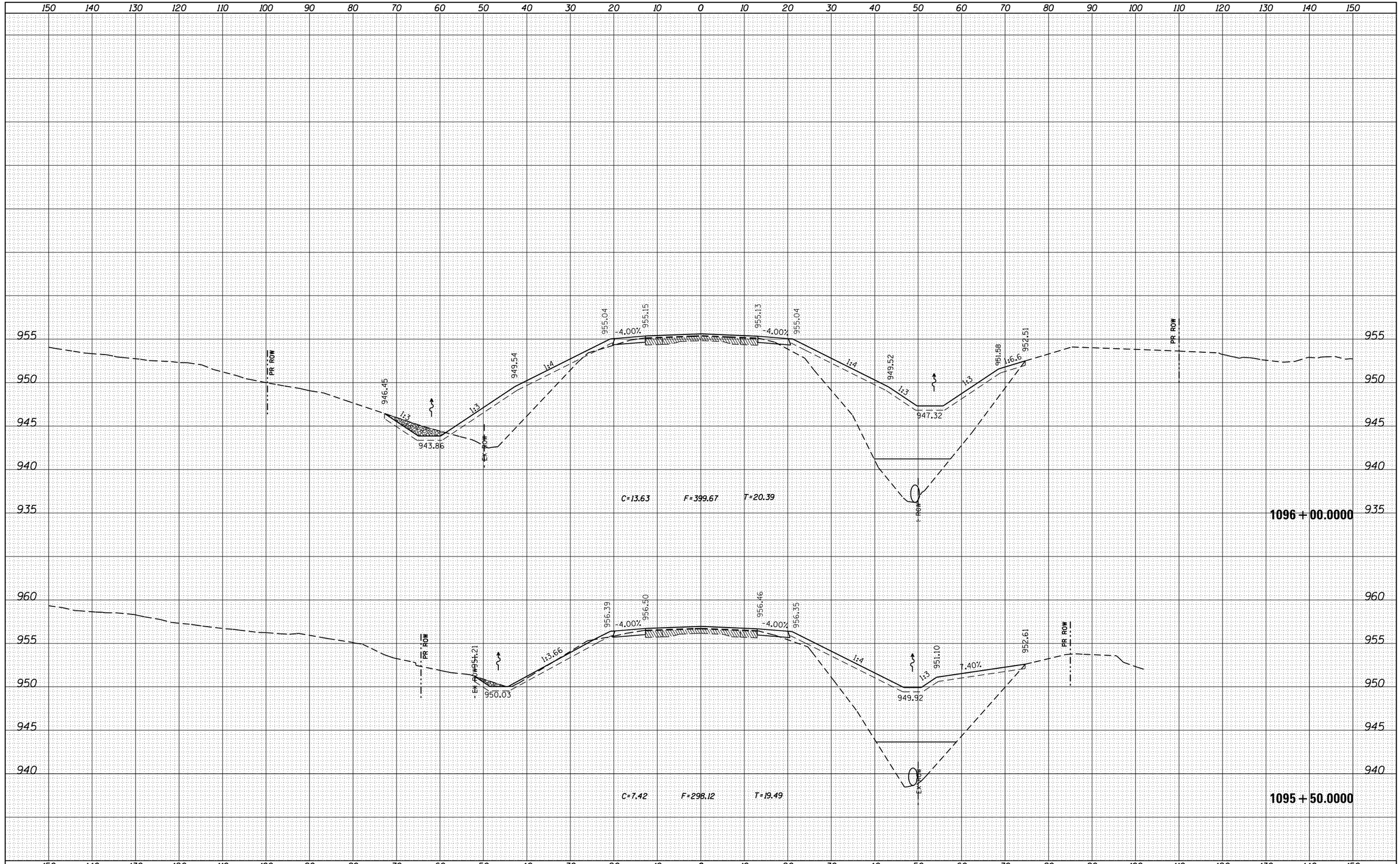
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 1094+50.0000 TO STA. 1095+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	85
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

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



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

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Default	PLOT DATE = Thu Oct 10 07:56:44 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 1095+50.0000 TO STA.1096+00.0000

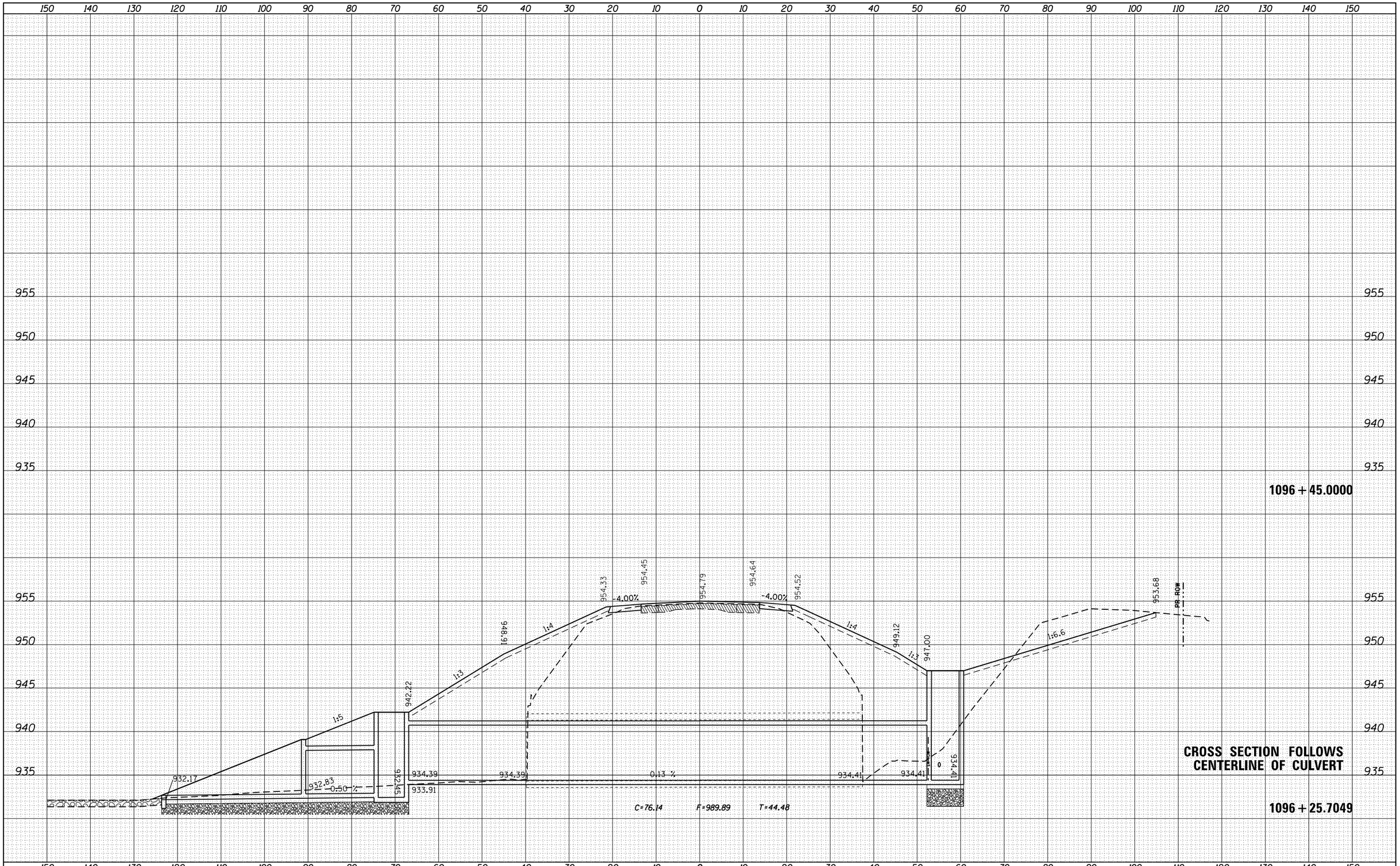
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	86
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = Thu Oct 10 07:57:02 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 1096+25.7049 TO STA. 1096+45.0000

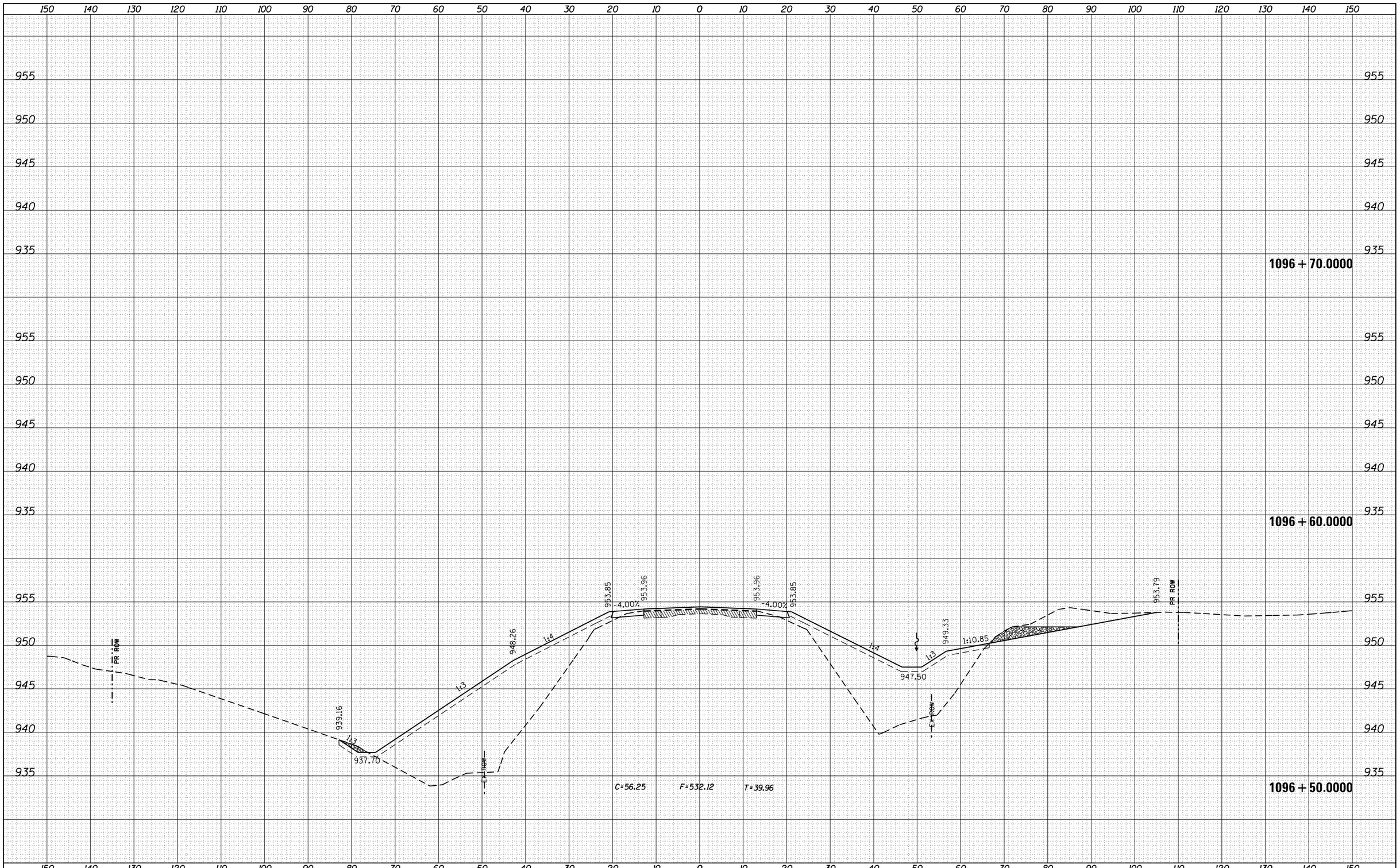
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	87
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE

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

BY	DATE



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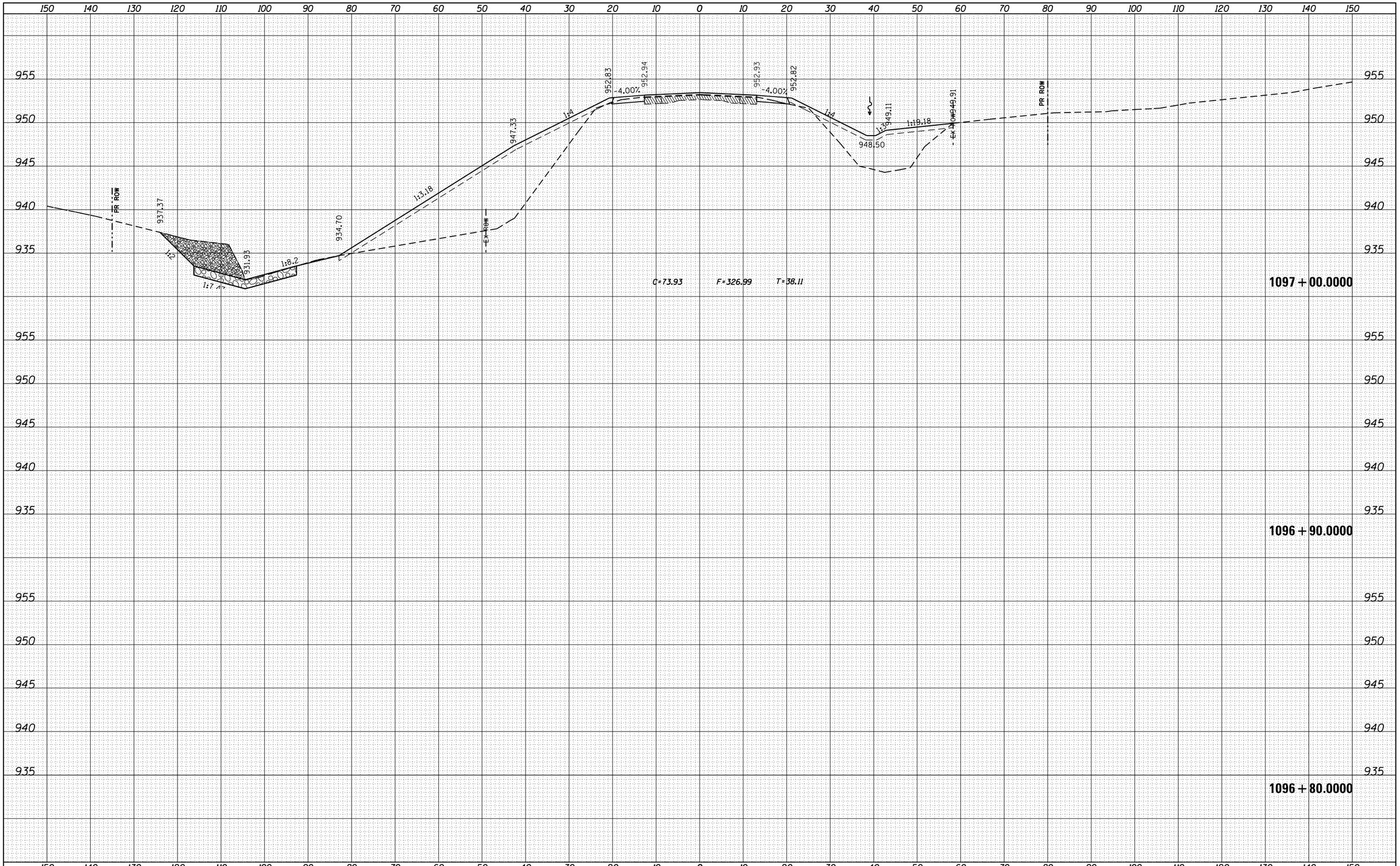
Default	PLOT DATE = Thu Oct 10 07:57:19 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 1096+50.0000 TO STA. 1096+70.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	88
		CONTRACT NO. 64F74		
		ILLINOIS	FED. AID PROJECT	



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

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

FILE NAME =	USER NAME = rundbladerr	DESIGNED -	REVISED -
c:\pw_work\pwidot\rundbladerrr\d0232736\D201310-sht-xs-IL78.dgn		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
Default	PLOT DATE = Thu Oct 10 07:57:32 2013	DATE -	REVISED -

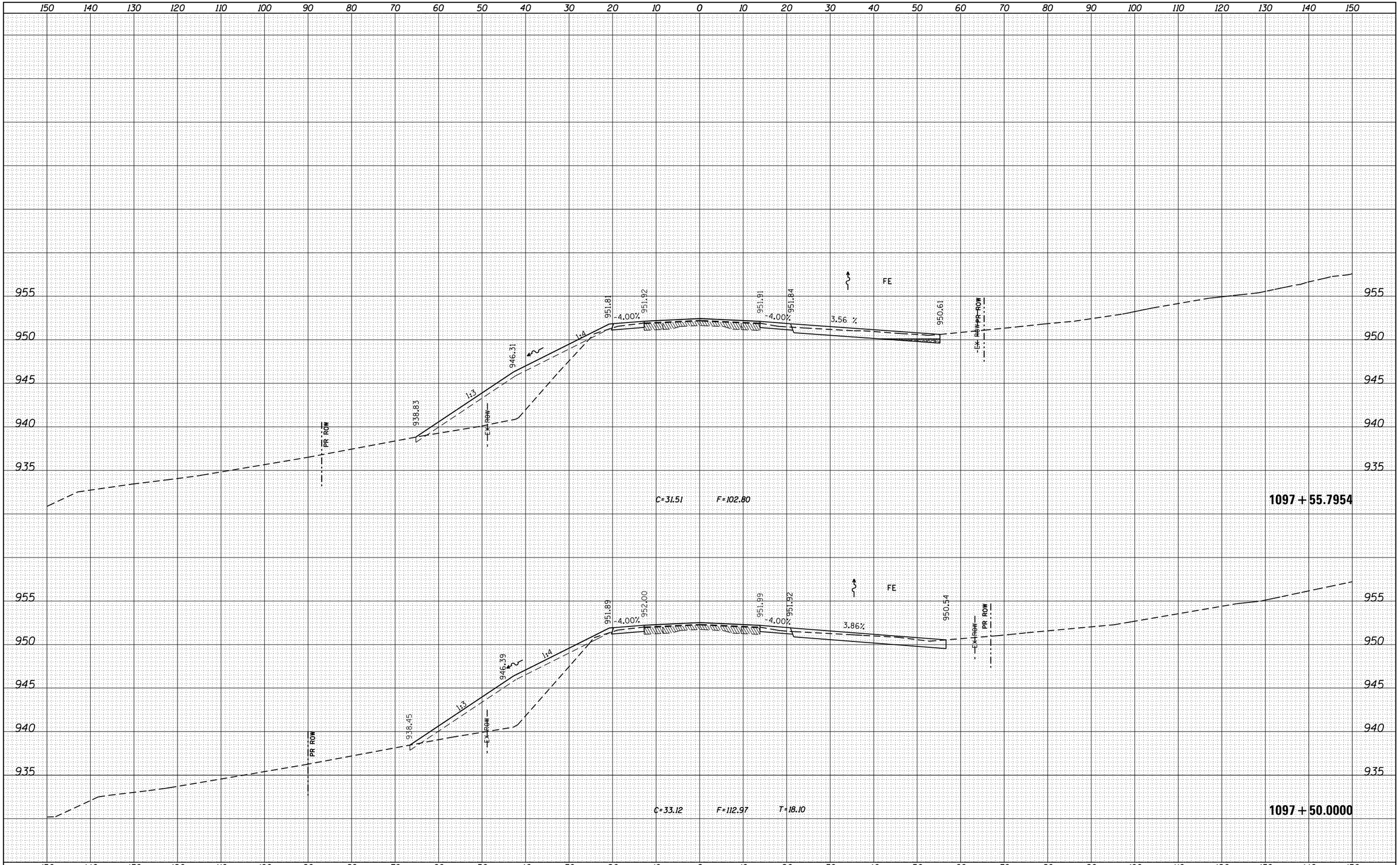
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 1096+80.0000 TO STA. 1097+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	89
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

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



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

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Default	PLOT DATE = Thu Oct 10 07:57:50 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

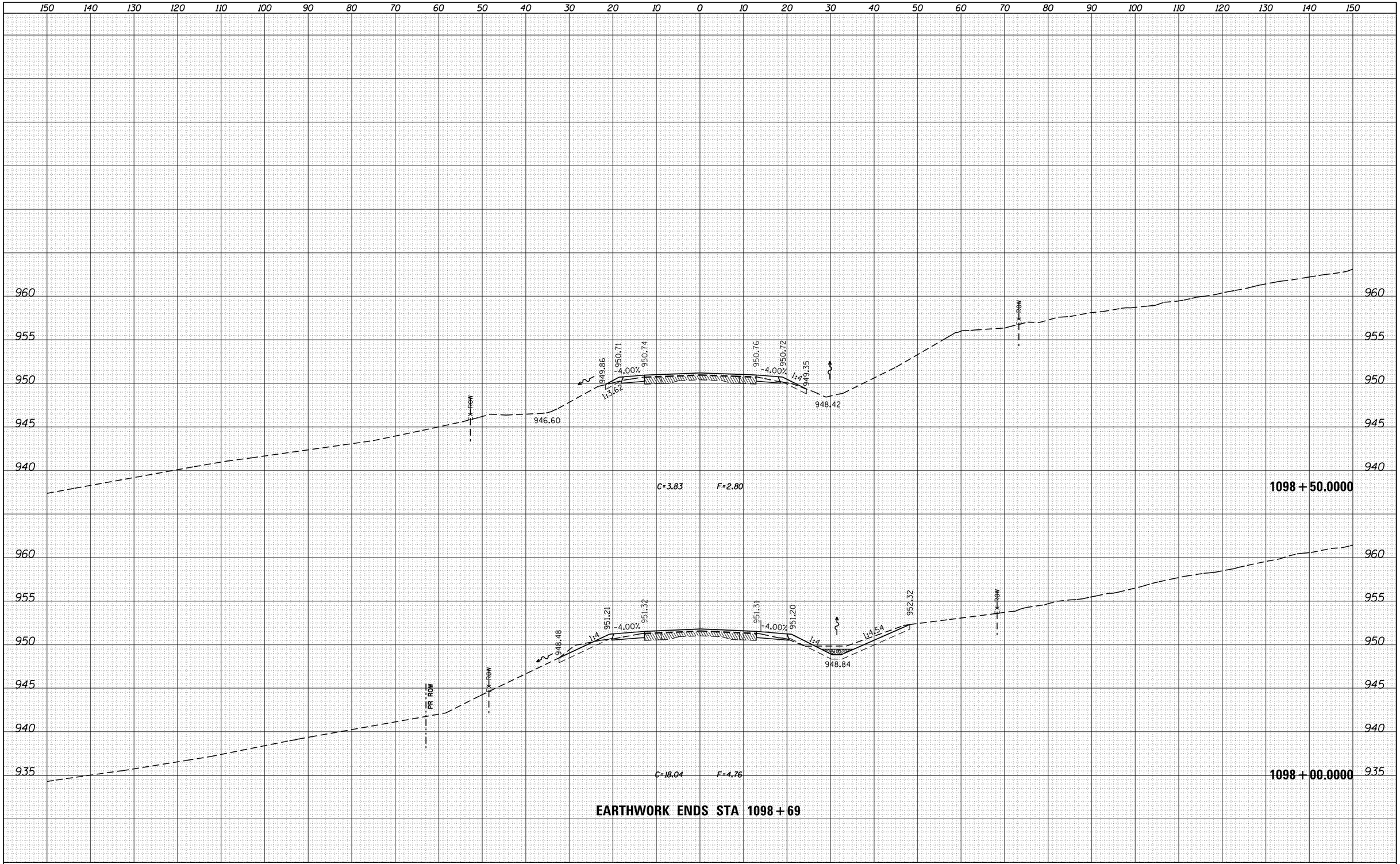
IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 1097+50.0000 TO STA. 1097+55.7954

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	90
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE



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

BY	DATE

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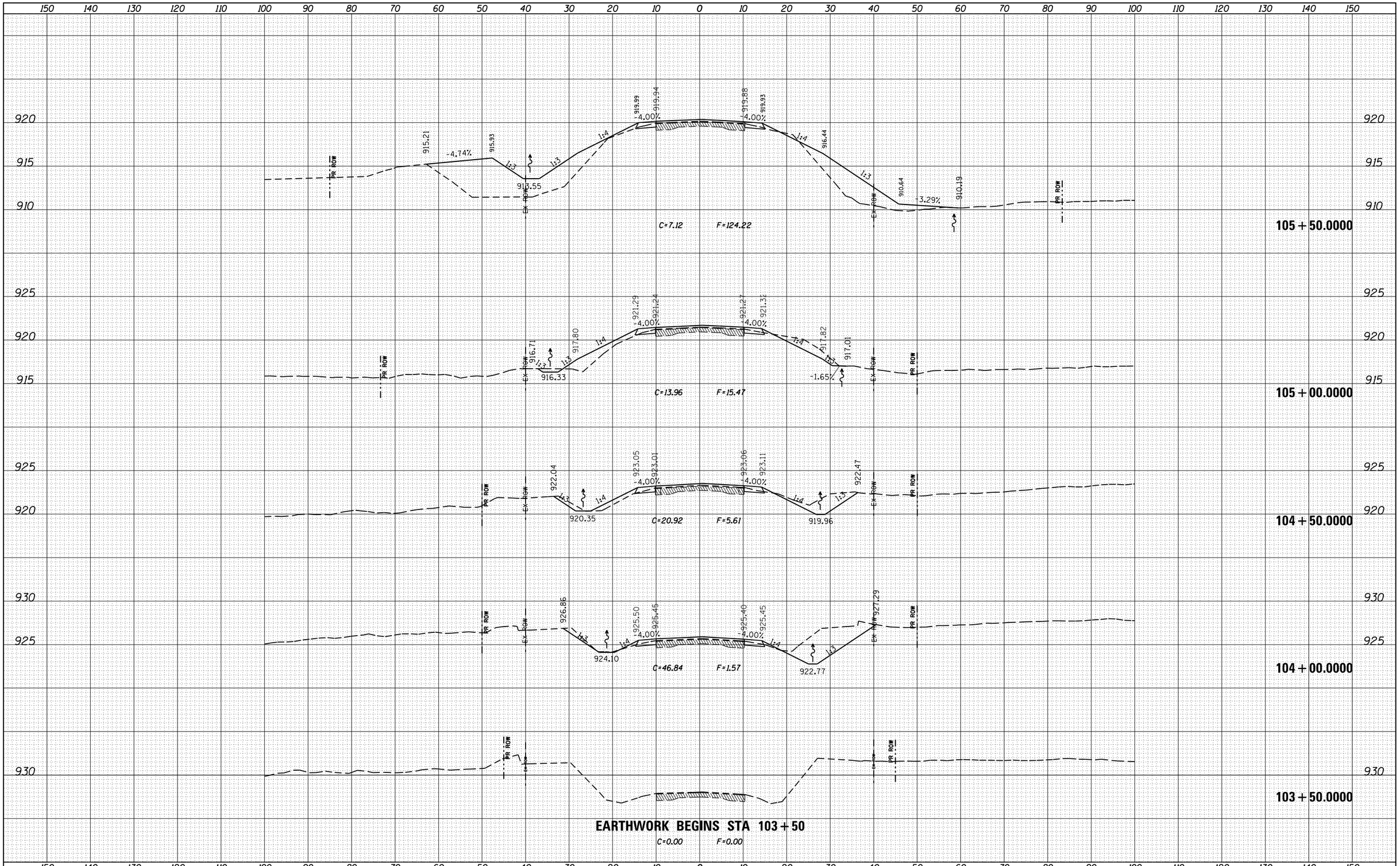
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 78

SCALE: | SHEET OF SHEETS | STA. 1098+00.0000 TO STA. 1098+50.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	91
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		



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	PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -		SCALE: SHEET OF SHEETS STA. 103+50.0000 TO STA.105+50.0000
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		DATE -	REVISED -		

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	92
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		

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

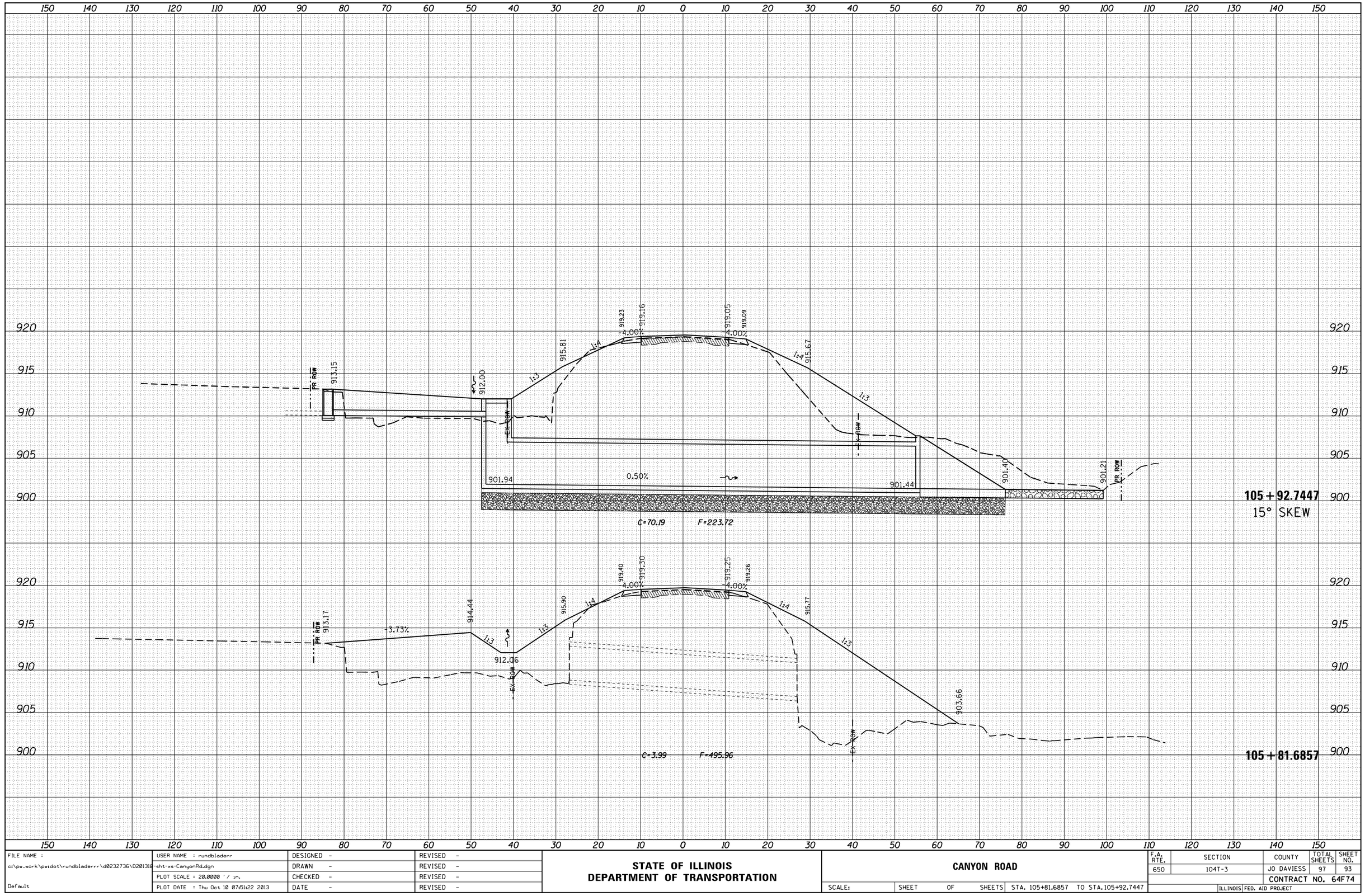
ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

BY	DATE

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

BY	DATE



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Default	PLOT DATE = Thu Oct 10 07:51:22 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

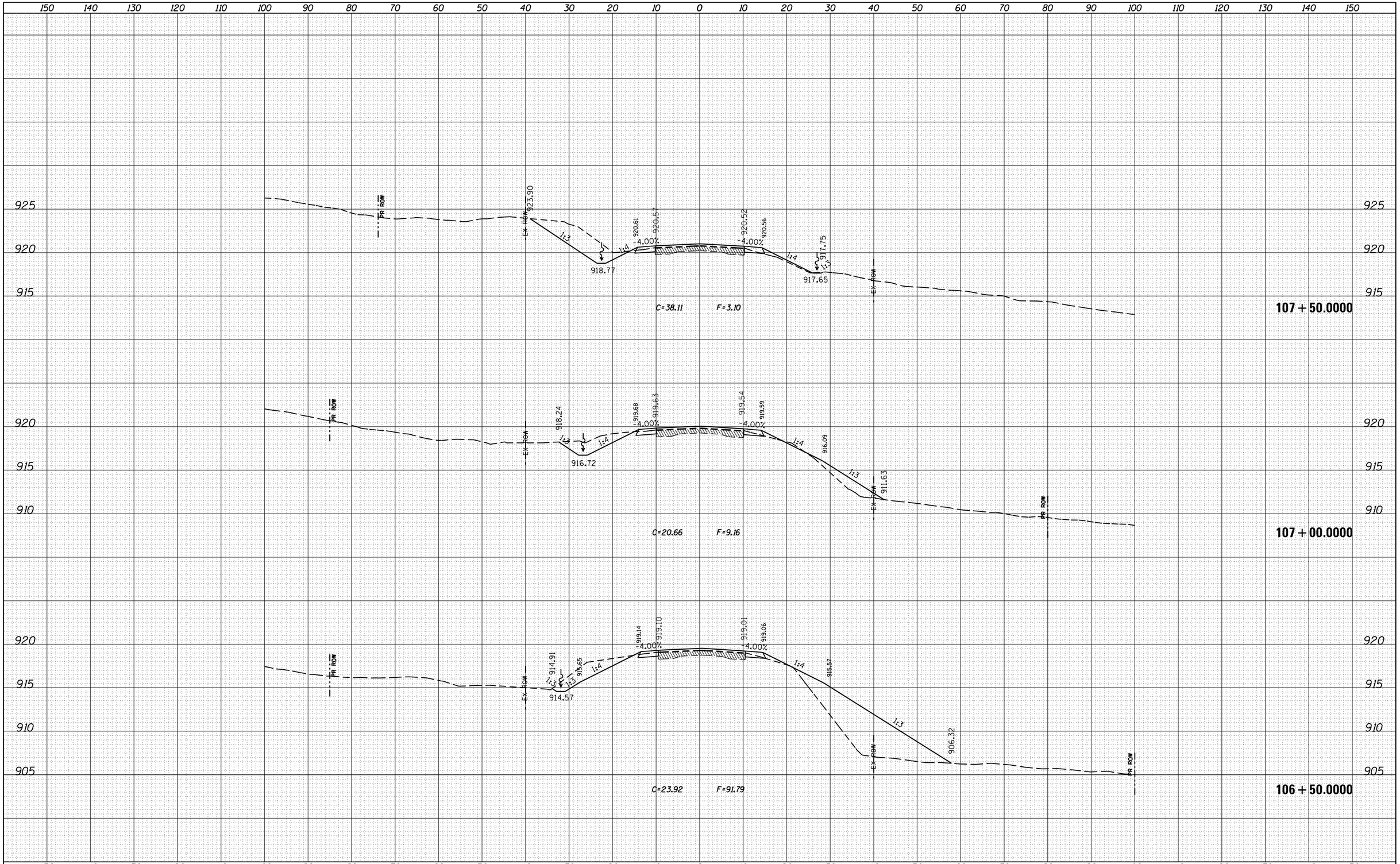
CANYON ROAD

SCALE: | SHEET OF SHEETS | STA. 105+81.6857 TO STA.105+92.7447

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	93
		CONTRACT NO. 64F74		
	ILLINOIS FED. AID PROJECT			

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

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



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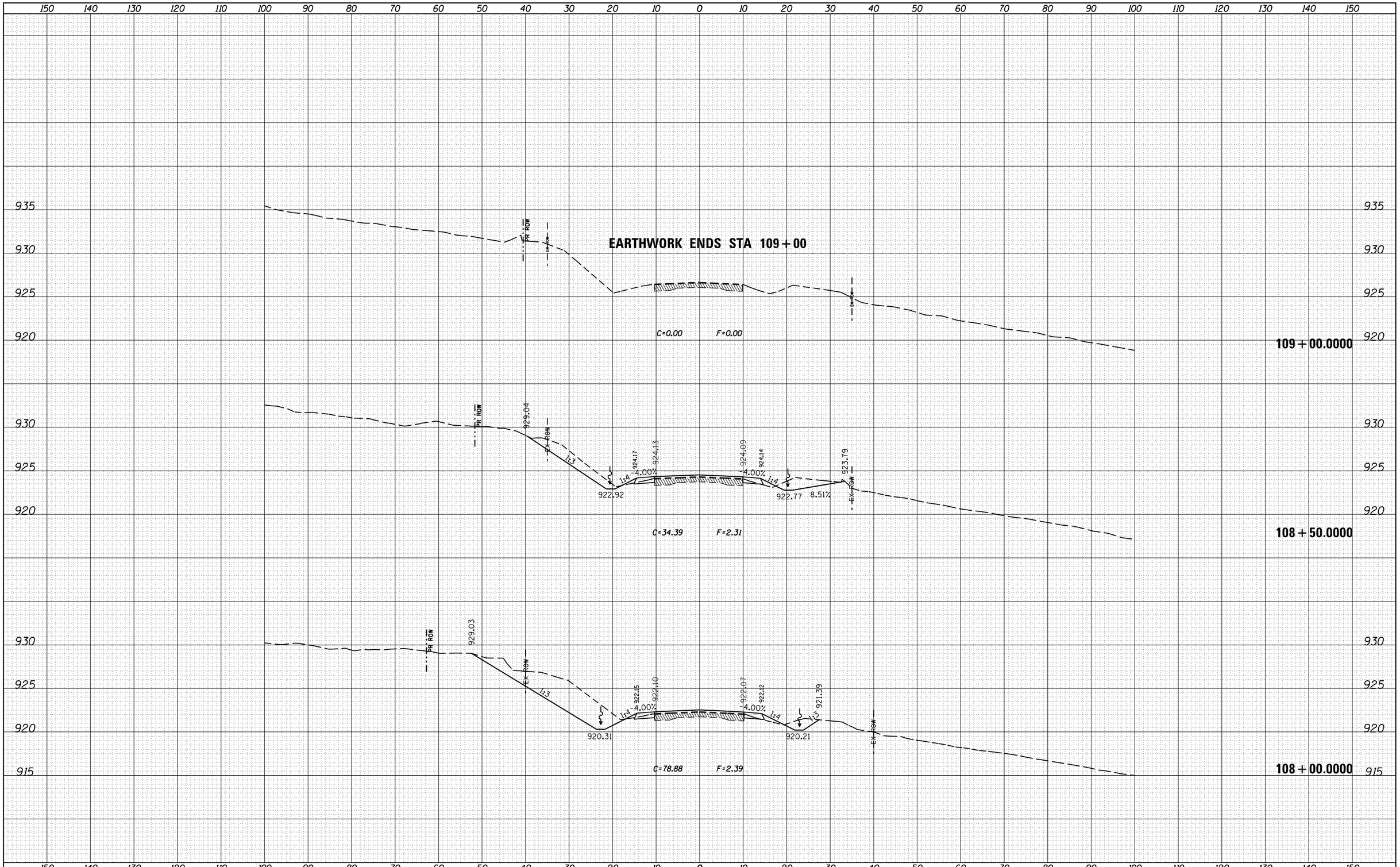
		DRAWN -	REVISED -			650	104T-3	JO DAVIESS	97	94
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 64F74	
	PLOT DATE = Thu Oct 10 07:51:41 2013	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. 106+50.0000 TO STA.107+50.0000			ILLINOIS	FED. AID PROJECT	

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

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



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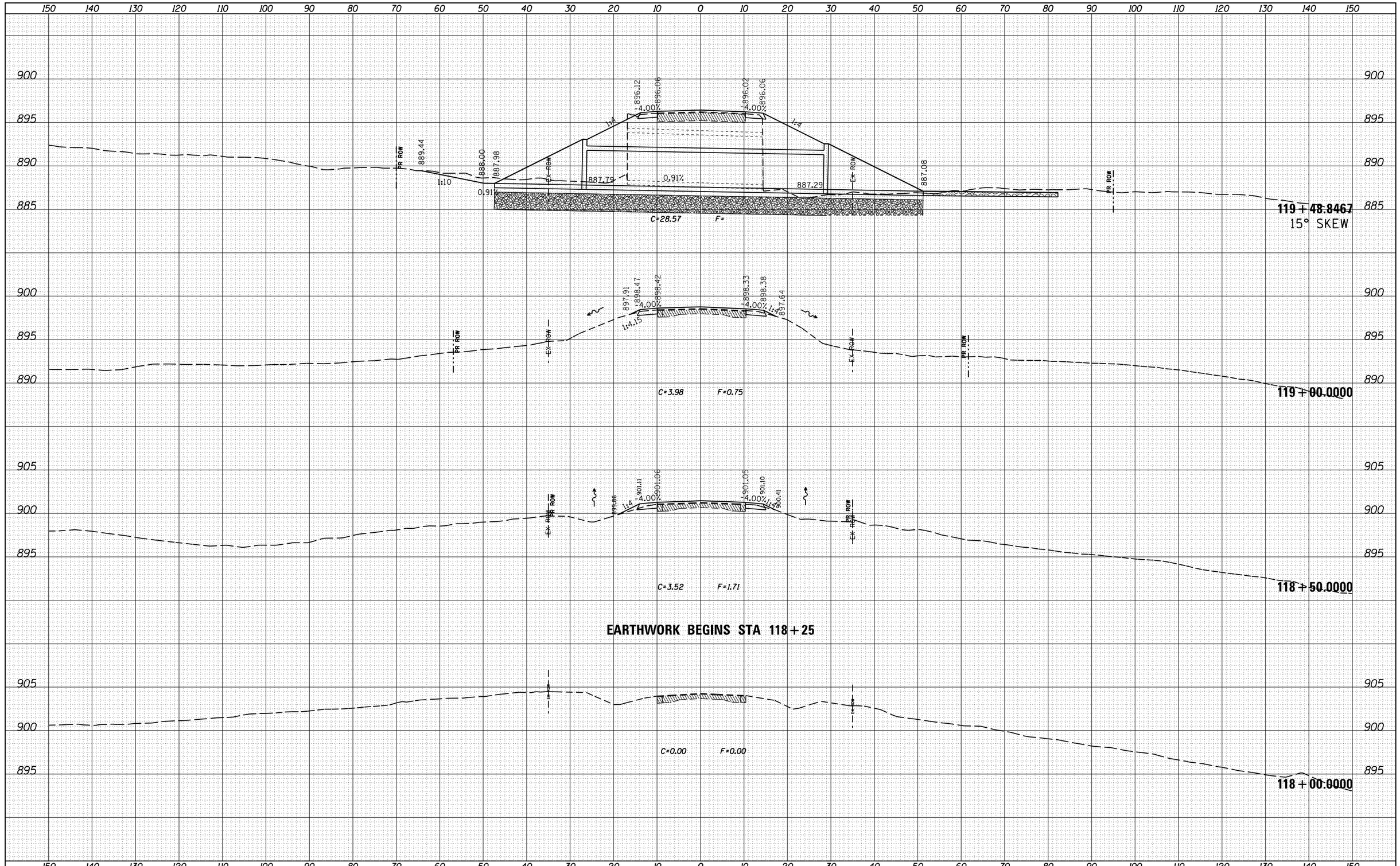
Default	PLOT DATE = Thu Oct 10 07:51:57 2013	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANYON ROAD

SCALE: | SHEET OF SHEETS | STA. 108+00.0000 TO STA.109+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	95
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		



ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
NO.		

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

FILE NAME =	USER NAME = rundbladerr	DESIGNED -	REVISED -
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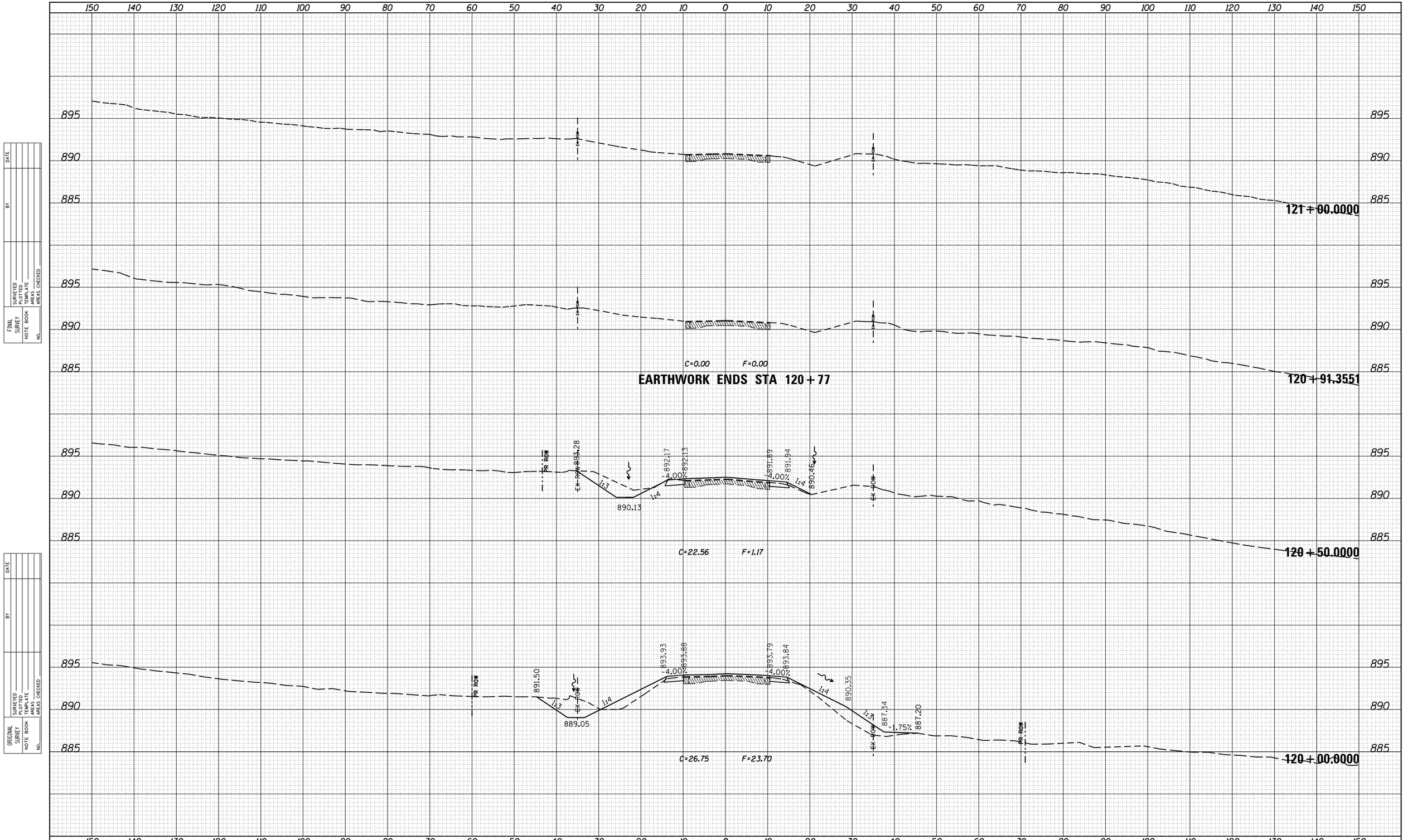
Default	PLOT DATE = Thu Oct 10 07:52:16 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANYON ROAD

SCALE: | SHEET OF SHEETS | STA. 118+00.0000 TO STA. 119+48.8467

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	96
		CONTRACT NO. 64F74		
	ILLINOIS	FED. AID PROJECT		



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

BY	DATE

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

BY	DATE

FILE NAME =	USER NAME = rundbladerr	DESIGNED -	REVISED -
c:\pw_work\pwidot\rundbladerrr\d0232736\D201310-sht-xs-CanyonRd.dgn		DRAWN -	REVISED -
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Default	PLOT DATE = Thu Oct 10 07:52:41 2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CANYON ROAD

SCALE: | SHEET OF SHEETS | STA. 120+00.0000 TO STA. 121+00.0000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
650	104T-3	JO DAVIESS	97	97
		CONTRACT NO. 64F74		
		ILLINOIS FED. AID PROJECT		