

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116,128)T	DEKALB	21	1
		ILLINOIS	CONTRACT NO. 66939	

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18. TEMPORARY CONCRETE BARRIER
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STANDARDS

- | | |
|-----------|--|
| 000001-05 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 280001-05 | TEMPORARY EROSION CONTROL SYSTEMS |
| 667101-01 | PERMANENT SURVEY MARKERS |
| 701001-02 | OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY |
| 701006-03 | OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701011-02 | OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY |
| 701201-03 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≤ 45 MPH |
| 701301-03 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY |
| 701321-10 | LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER |
| 701901-01 | TRAFFIC CONTROL DEVICES |
| 704001-06 | TEMPORARY CONCRETE BARRIER |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FAP ROUTE 573 & 557 (US 30 & IL 72)
SECTION (116,128)T

DEKALB COUNTY
C-93-075-09
GRADING AND SHAPING DITCHES,
CULVERT REMOVAL/REPLACEMENT
& RECONSTRUCTION



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

FUNCTIONAL CLASSIFICATION
RURAL - MINOR ARTERIAL
FAP ROUTE 573 (US 30)
2007 ADT = 4200
P.V = 76.8% M.U. = 14.3% S.U. = 8.9%

FUNCTIONAL CLASSIFICATION
RURAL - OTHER PRINCIPAL ARTERIAL
FAP ROUTE 557 (IL 72)
2007 ADT = 6000
P.V = 86.7% M.U. = 5.4% S.U. = 7.9%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 12-7 2009

George Hanson
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

January 09 20 10
Scott G. Stett P.E.
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

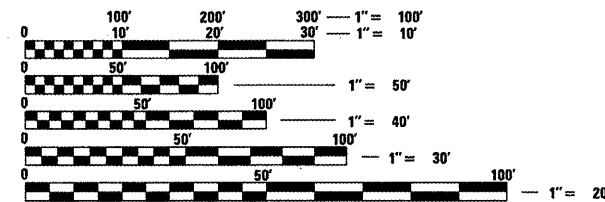
January 09 20 10
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT BEGIN
INTERSECTION
IL 23 & US 30
STA. 638 + 70

PROJECT END
INTERSECTION
US 30 & CREGO ROAD
STA. 692 + 22

PROJECT BEGIN
EAST ABUT. S.N. 019-0033
STA. 144 + 70

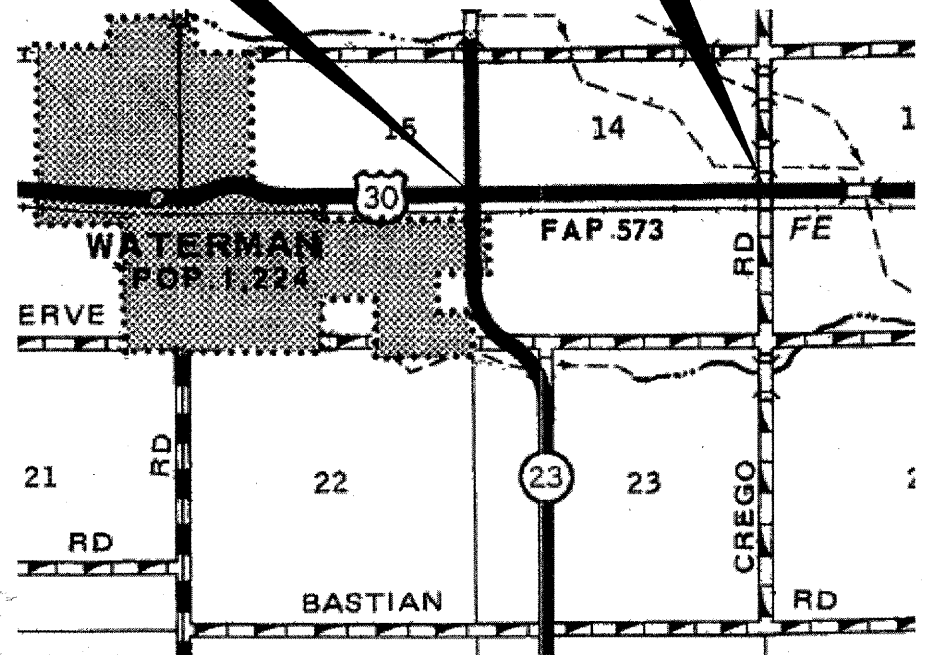
PROJECT END
KANE COUNTY LINE
STA. 172 + 45



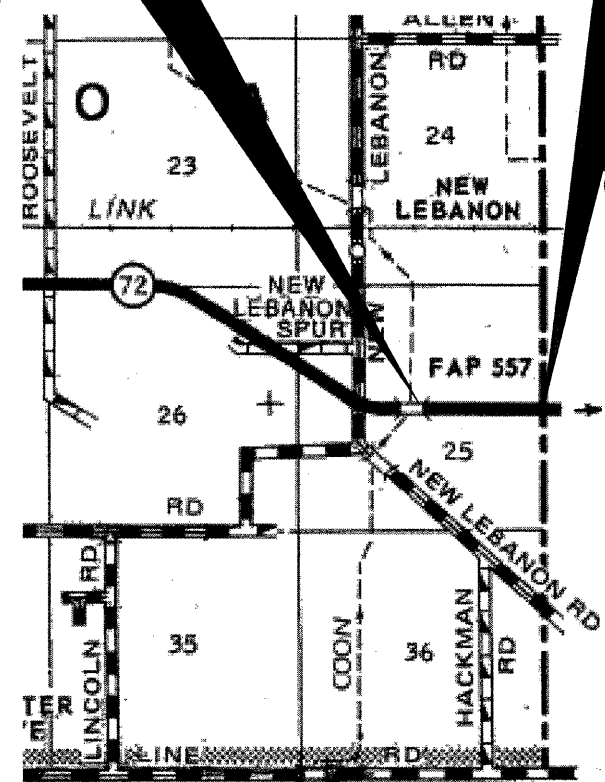
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JOE KANNEL
UNIT CHIEF: RON WOODSHANK
TOWNSHIP: CLINTON AND GENOA
CONTRACT NO. 66939



GROSS LENGTH = 5321 FT. = 1.00 MILE
NET LENGTH = 4650 FT. = 0.881 MILE



GROSS LENGTH = 2775 FT. = 0.526 MILE
NET LENGTH = 2775 FT. = 0.526 MILE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED BASED UPON THE UNIT BID PRICE FOR THE WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

THE COST OF ANY SAW CUTS MADE TO COMPLETE THE WORK AS DESCRIBED IN PLAN DETAILS, UNLESS OTHERWISE NOTED SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED WITH THE VARIOUS PAY REMOVAL PAY ITEMS INVOLVED.

EXISTING REINFORCEMENT BARS EXTENDING INTO REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

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

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF "GRADING AND SHAPING DITCHES".

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

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

DATE: 12-7-09

PREPARED BY: *David Blomil*
 ACTING DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: *[Signature]*
 DISTRICT CONSTRUCTION ENGINEER

[Signature]
 DISTRICT MATERIALS ENGINEER

[Signature]
 DISTRICT OPERATIONS ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116.128)T	DEKALB	21	2
ILLINOIS			CONTRACT NO. 66939	

FILE NAME =	USER NAME = woodshankr1
ca:\pwwork\pwwork\woodshankr1\d0135041\066939-details.dgn	DESIGNED - RON WOODSHANK
	DRAWN - RON WOODSHANK
PLOT SCALE = 100.0000' / IN.	CHECKED -
PLOT DATE = Nov 24, 2009 - 01:53:14 PM	DATE -

DESIGNED - RON WOODSHANK	REVISED -
DRAWN - RON WOODSHANK	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

SUMMARY OF QUANTITIES

CONSTRUCTION CODE TYPE:

MAIN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL - 100% STATE	
				US RTE 30	IL RTE 72
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	417	417	
21400100	GRADING AND SHAPING DITCHES	FOOT	14120	9400	4720
25000210	SEEDING, CLASS 2A	ACRE	7.05	4.7	2.35
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	644	432	212
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	644	432	212
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	644	432	212
25100115	MULCH, METHOD 2	ACRE	7.05	4.7	2.35
28000305	TEMPORARY DITCH CHECKS	FOOT	540	340	200
28000400	PERIMETER EROSION BARRIER	FOOT	50	50	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	54		54
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3	3	
50102400	CONCRETE REMOVAL	CU YD	4.8	4.8	
50105200	REMOVE EXISTING CULVERTS	EACH	4		4
50200100	STRUCTURE EXCAVATION	CU YD	25	25	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	300	300	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	12	12	
54003000	CONCRETE BOX CULVERTS	CU YD	2.5	2.5	
54205473	PIPE CULVERTS, CLASS C, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	40		40

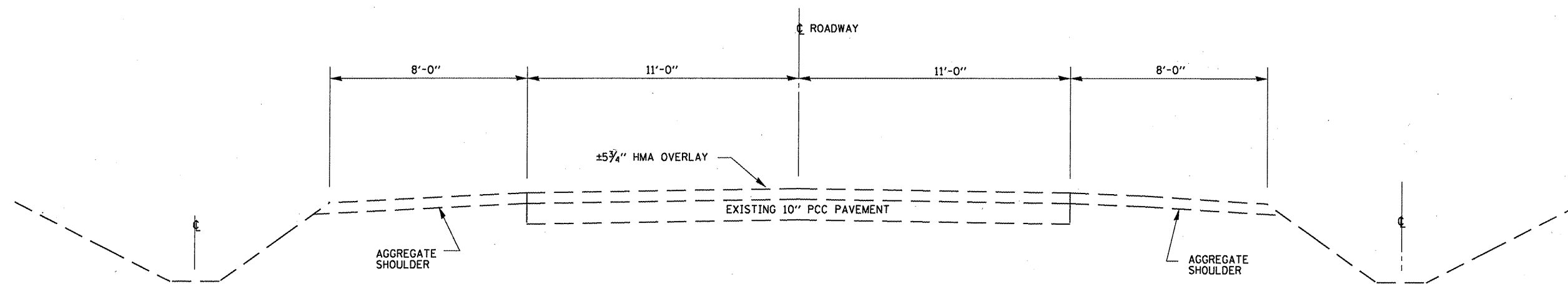
SUMMARY OF QUANTITIES

CONSTRUCTION CODE TYPE:

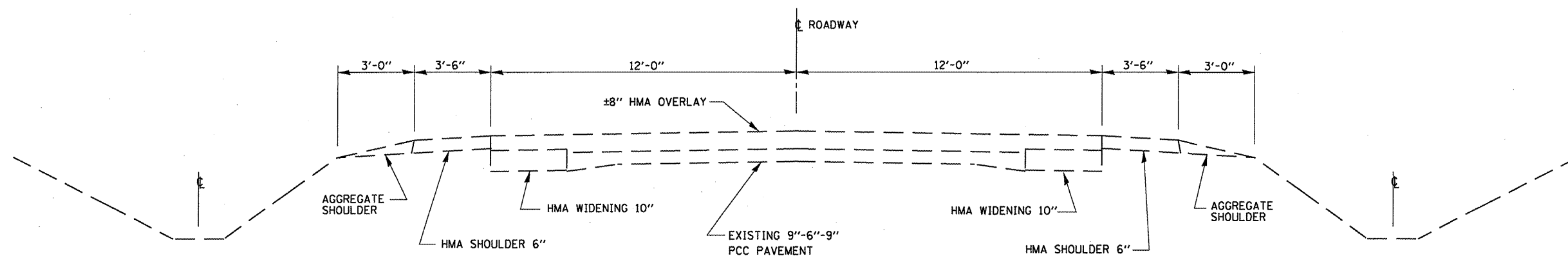
MAIN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	RURAL - 100% STATE	
				US RTE 30	IL RTE 72
542C5485	PIPE CULVERTS, CLASS C, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	80		80
54215133	STEEL END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2		2
54215145	STEEL END SECTIONS, EQUIVALENT ROUND-SIZE 30"	EACH	4		4
58000100	MEMBRANE WATERPROOFING	SQ FT	104	104	
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1	
70101250	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201 (SPECIAL)	EACH	2	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	126	126	
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	121	121	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	60	60	
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	195	195	
X5012610	CONCRETE HEADWALL REMOVAL PARTIAL	EACH	3	3	
Z0014700	CULVERT TO BE CLEANED	EACH	4	3	1
Z0015500	DEBRIS REMOVAL	L SUM	1	1	
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2	
Z0041500	PLUG EXISTING CULVERTS	EACH	1	1	

*SPECIALTY ITEM



**EXISTING TYPICAL SECTION
FAP ROUTE 557 (US 30)
LOOKING EAST**



**EXISTING TYPICAL SECTION
FAP ROUTE 573 (IL 72)
LOOKING EAST**

FILE NAME =	USER NAME = woodshank-1	DESIGNED - RON WOODSHANK	REVISED -
c:\pwwork\pwwork\woodshank-1\d0135041\066939-detail.dgn		DRAWN - RON WOODSHANK	REVISED -
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = Nov 24, 2009 - 01:53:45 PM	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116,128)T	DEKALB	21	5

CONTRACT NO. 66939

ILLINOIS

DITCH SCHEDULE

LOCATION			REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL		GRADING & SHAPING DITCHES		SEEDING CLASS 2A		NITROGEN FERTILIZER NUTRIENT		PHOSPHORUS FERTILIZER NUTRIENT		POTASSIUM FERTILIZER NUTRIENT		MULCH METHOD 2		TEMPORARY DITCH CHECKS	
			CU YD		FOOT		ACRE		POUND		POUND		POUND		ACRE		EACH	
STA.	TO	STA.	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
645+00	TO	646+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
646+00	TO	647+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
647+00	TO	648+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
648+00	TO	649+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
649+00	TO	650+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05	1	1
650+00	TO	651+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
651+00	TO	652+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
652+00	TO	653+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
653+00	TO	654+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
654+00	TO	655+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05	1	1
655+00	TO	656+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
656+00	TO	657+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
657+00	TO	658+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
658+00	TO	659+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
659+00	TO	660+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05	1	1
660+00	TO	661+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
661+00	TO	662+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
662+00	TO	663+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
663+00	TO	664+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
664+00	TO	665+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05	1	1
665+00	TO	666+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
666+00	TO	667+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
667+00	TO	668+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
668+00	TO	669+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
669+00	TO	670+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05	1	1
670+00	TO	671+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
671+00	TO	672+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
672+00	TO	673+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
673+00	TO	674+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
674+00	TO	675+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05	1	1
675+00	TO	676+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
676+00	TO	677+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
677+00	TO	678+00		27.8	100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
678+00	TO	679+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
679+00	TO	680+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05	1	1
680+00	TO	681+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
681+00	TO	682+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
682+00	TO	683+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
683+00	TO	684+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
684+00	TO	685+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05	1	1
685+00	TO	686+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
686+00	TO	687+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
687+00	TO	688+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
688+00	TO	689+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
689+00	TO	690+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		1
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691+00	TO	692+00			100	100	0.05	0.05	4.6	4.6	4.6	4.6	4.6	4.6	0.05	0.05		
SUBTOTAL				417	4700	4700	2.35	2.35	216.2	216.2	216.2	216.2	216.2	216.2	2.35	2.35	8	9
TOTAL				417	9400	9400	4.7	4.7	432	432	432	432	432	432	4.7	4.7	17	

CULVERT SCHEDULE

LOCATION	AGGREGATE SHOULDERS TYPE B		CULVERT TO BE CLEANED	CONCRETE HEADWALL REMOVAL PARTIAL		STRUCTURE EXCAVATION		CONCRETE REMOVAL		TEMPORARY SOIL RETENTION SYSTEM		EXPANSION BOLTS 3/4"		CONCRETE BOX CULVERTS		MEMBRANE WATERPROOFING	
	TON		EACH	EACH		CU YD		CU YD		SQ FT		EACH		CU YD		SQ FT	
	LEFT	RIGHT		LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
STA. 650+87			1		4												
STA. 651+30			1														
STA. 672+50			1														
STA. 679+23	3		1			25		4.8		195		12		2.5		104	
SUBTOTAL	3		4		1	25		4.8		195		12		2.5		104	
TOTAL	3	3	4		4	25	25	4.8	4.8	195	195	12	12	2.5	2.5	104	104

DITCH SCHEDULE

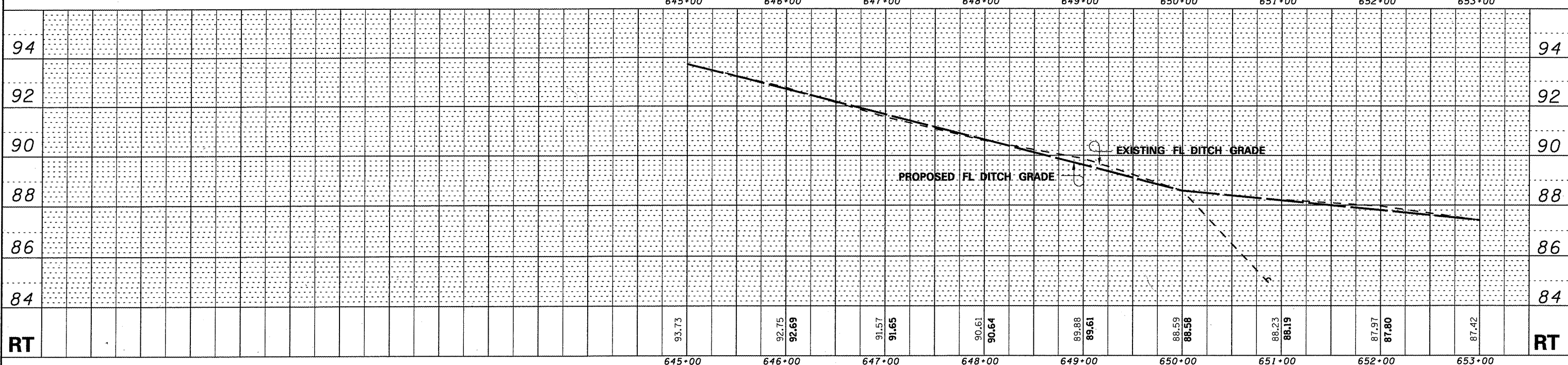
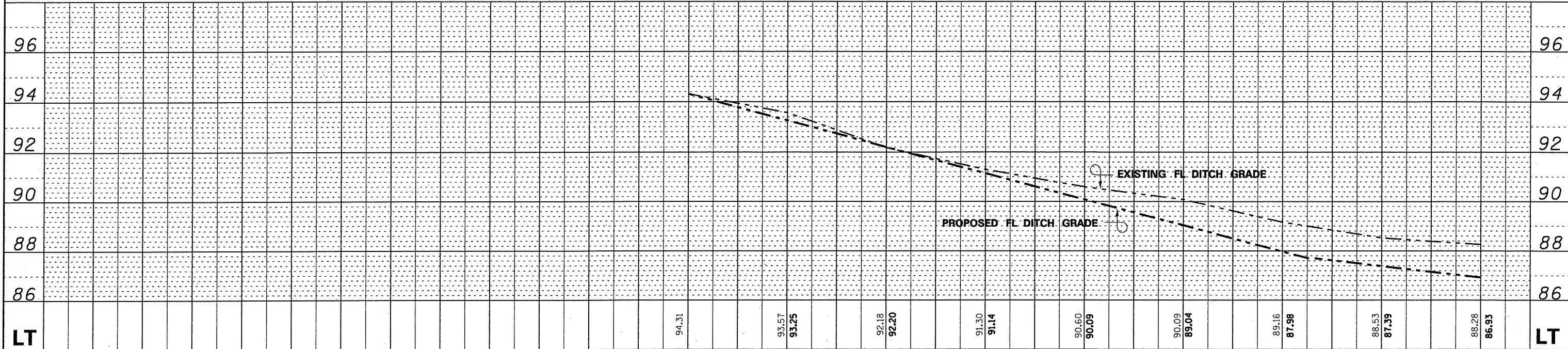
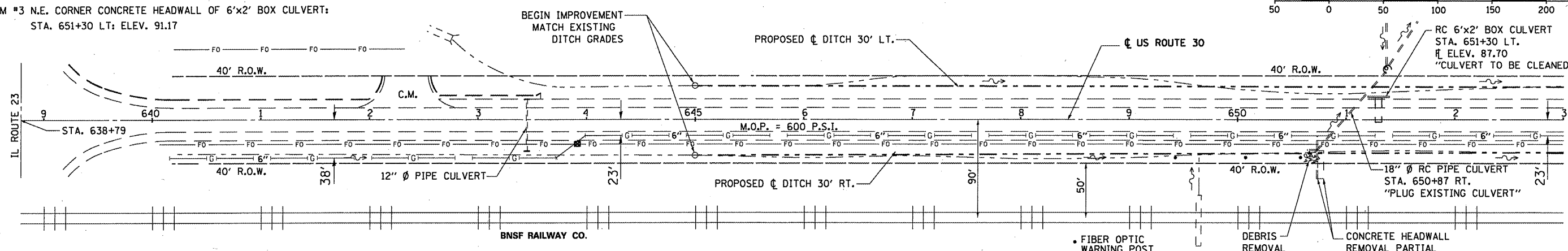
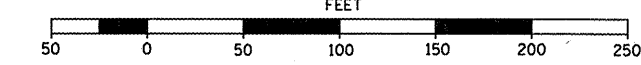
LOCATION STA. TO STA.	GRADING & SHAPING DITCHES		SEEDING CLASS 2A		NITROGEN FERTILIZER NUTRIENT		PHOSPHORUS FERTILIZER NUTRIENT		POTASSIUM FERTILIZER NUTRIENT		MULCH METHOD 2		TEMPORARY DITCH CHECKS	
	FOOT		ACRE		POUND		POUND		POUND		ACRE		EACH	
	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
144+70 TO 145+00		30		0.01		1		1		1		0.01		
145+00 TO 146+00		100		0.05		4.5		4.5		4.5		0.05		
146+00 TO 147+00		100		0.05		4.5		4.5		4.5		0.05		
147+00 TO 148+00		100		0.05		4.5		4.5		4.5		0.05		
148+00 TO 149+00		100		0.05		4.5		4.5		4.5		0.05	1	1
149+00 TO 150+00		100		0.05		4.5		4.5		4.5		0.05		
150+00 TO 151+00		100		0.05		4.5		4.5		4.5		0.05		
151+00 TO 152+00		100		0.05		4.5		4.5		4.5		0.05		
152+00 TO 153+00		100		0.05		4.5		4.5		4.5		0.05		
153+00 TO 154+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05	1	1
154+00 TO 155+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
155+00 TO 156+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
156+00 TO 157+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
157+00 TO 158+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
158+00 TO 159+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05	1	1
159+00 TO 160+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
160+00 TO 161+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
161+00 TO 162+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
162+00 TO 163+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
163+00 TO 164+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05	1	1
164+00 TO 165+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
165+00 TO 166+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
166+00 TO 167+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
167+00 TO 168+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
168+00 TO 169+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
169+00 TO 170+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05	1	1
170+00 TO 171+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
171+00 TO 172+00	100	100	0.05	0.05	4.5	4.5	4.5	4.5	4.5	4.5	0.05	0.05		
172+00 TO 172+45	45	45	0.02	0.02	2	2	2	2	2	2	0.02	0.02		
SUBTOTAL	1945	2775	0.97	1.38	87.5	124.5	87.5	124.5	87.5	124.5	0.97	1.38	5	5
TOTAL	4720		2.35		212		212		212		2.35		10	

CULVERT SCHEDULE

LOCATION STA.	AGGREGATE SURFACE COURSE TYPE B		CULVERT TO BE CLEANED	REMOVE EXISTING CULVERTS		PIPE CULVERT, TYPE 1 CORRUGATED STEEL E.R.S. CULVERT PIPE 18"		PIPE CULVERT, TYPE 1 CORRUGATED STEEL E.R.S. CULVERT PIPE 30"		STEEL END SECTIONS EQUIVALENT ROUND SIZE 18"		STEEL END SECTIONS EQUIVALENT ROUND SIZE 30"	
	TON			EACH	EACH		FOOT		FOOT		EACH		EACH
	LEFT	RIGHT	LEFT		RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
STA. 145+92	18			1		40				2			
STA. 154+51			1										
STA. 159+37		18		2				40	40				2
STA. 159+40	18			1				40				2	
SUBTOTAL	36	18	1	2	2	40		40	40	2		2	2
TOTAL	54		1	4		40		80		2		4	

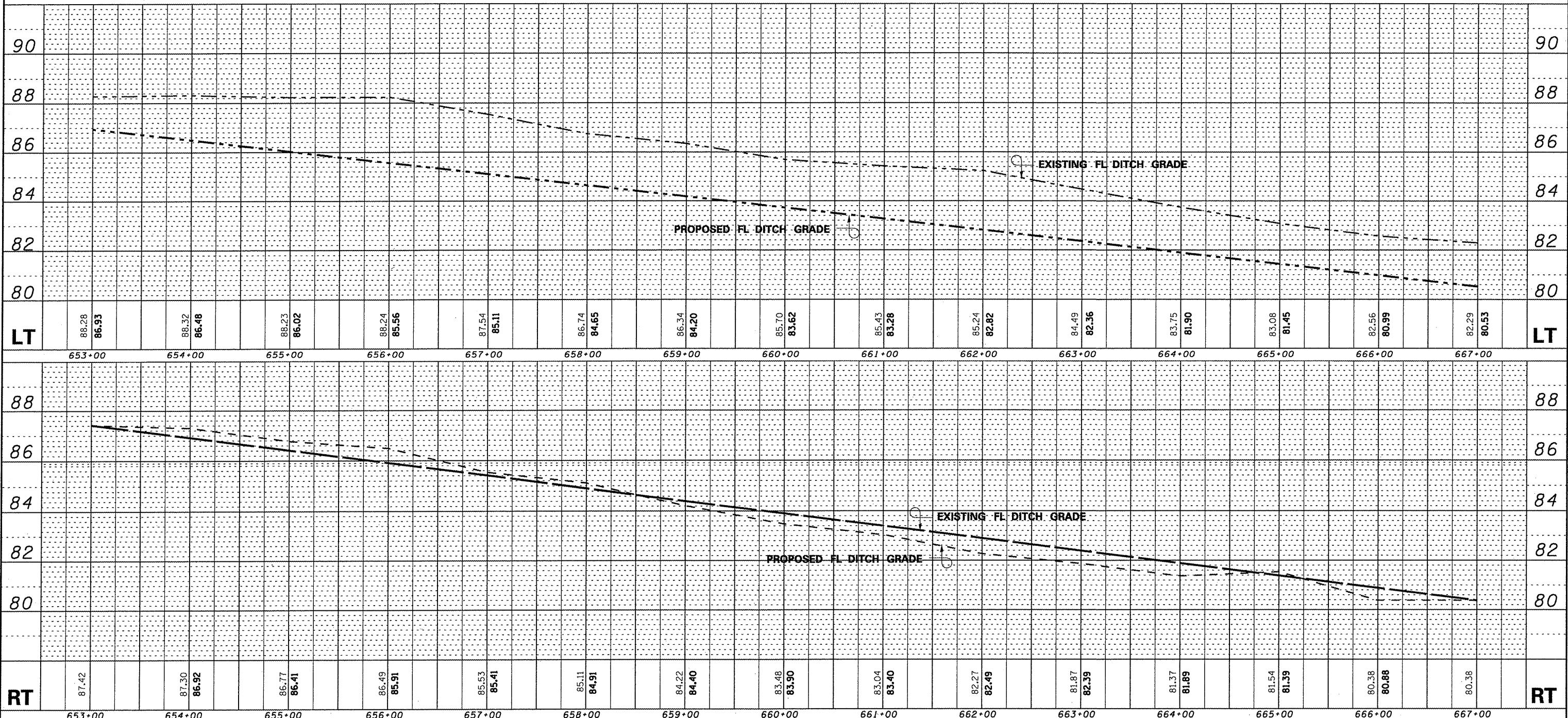
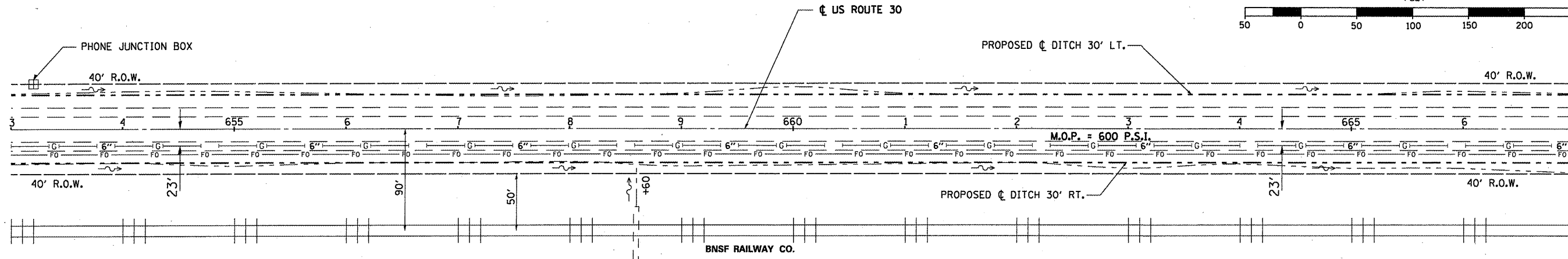
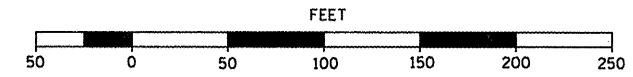
BM #1 TOP BOLT OF FIRE HYDRANT: STA. 644+65 LT: ELEV. 100.00
 BM #2 WOOD HUB: STA. 646+15 40' LT: ELEV. 94.58
 BM #3 N.E. CORNER CONCRETE HEADWALL OF 6'x2' BOX CULVERT:
 STA. 651+30 LT: ELEV. 91.17

GRAPHIC SCALE



BM #4: WOOD HUB: STA. 657+40 40 LT: ELEV. 90.14
 BM #5: TOP PHONE PEDESTAL: STA. 663+19: 40' LT: ELEV. 86.84

GRAPHIC SCALE



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - US 30

SCALE: 50 SHEET NO. 2 OF 4 SHEETS STA. 653+00 TO STA. 667+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116,128)T	DEKALB	21	10
ILLINOIS			CONTRACT NO. 66939	

FILE NAME =
 USER NAME = woodshankr1
 DESIGNED - RON WOODSHANK
 CHECKED - RON WOODSHANK
 DRAWN -
 CHECKED -
 PLOT SCALE = 1/8" = 100.0000' / IN.
 PLOT DATE = Nov 24, 2009 - 01:54:13 PM

DESIGNED - RON WOODSHANK
 CHECKED - RON WOODSHANK
 DRAWN -
 CHECKED -
 REVISED -
 REVISED -
 REVISED -
 REVISED -

BM #9: TOP WOOD POST SPBGR STA. 684+13 19' LT: ELEV. 79.81
 BM #10: TOP WOOD POST SPBGR STA. 687+20 19' LT: ELEV. 78.51
 BM #11: TOP WINGWALL SN 5309 STA. 692+05 20' LT: ELEV. 73.72

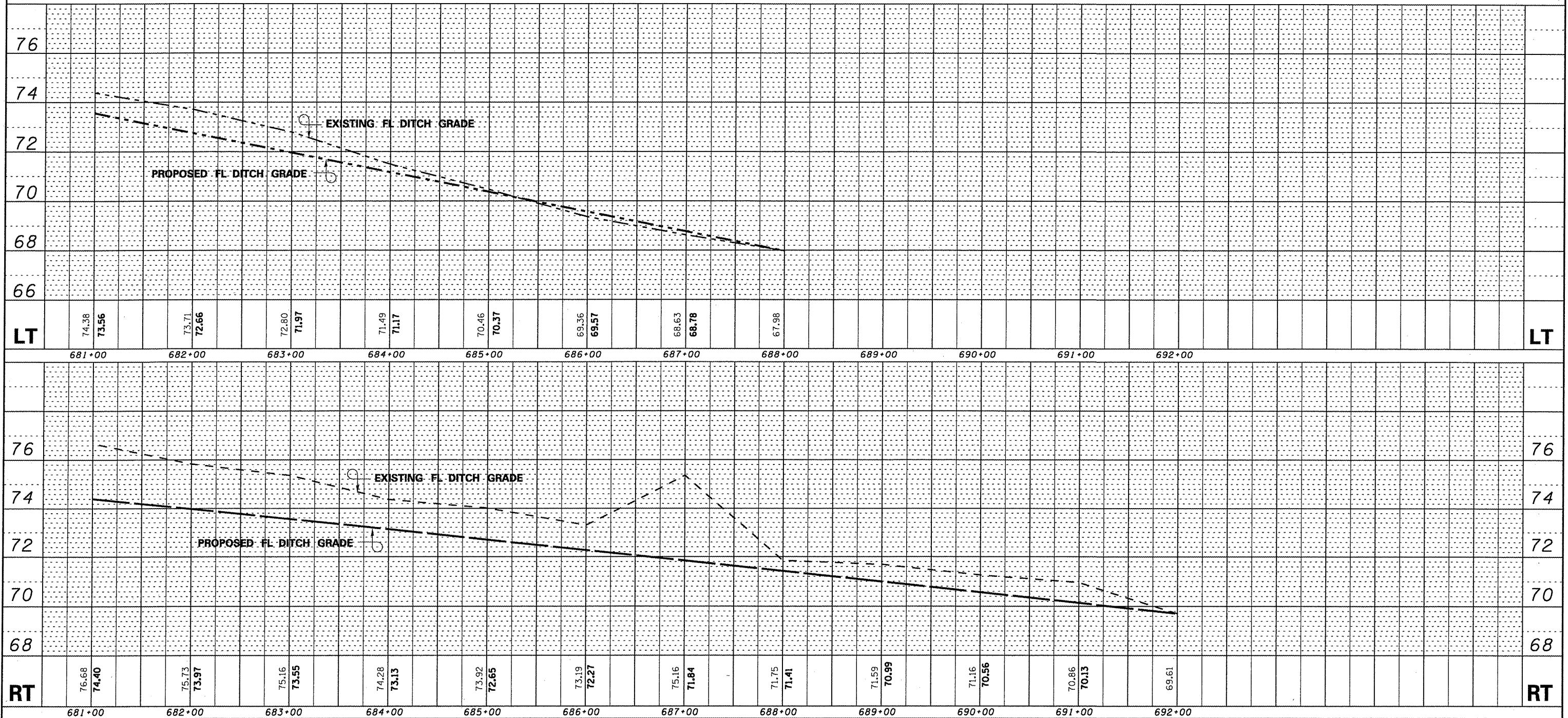
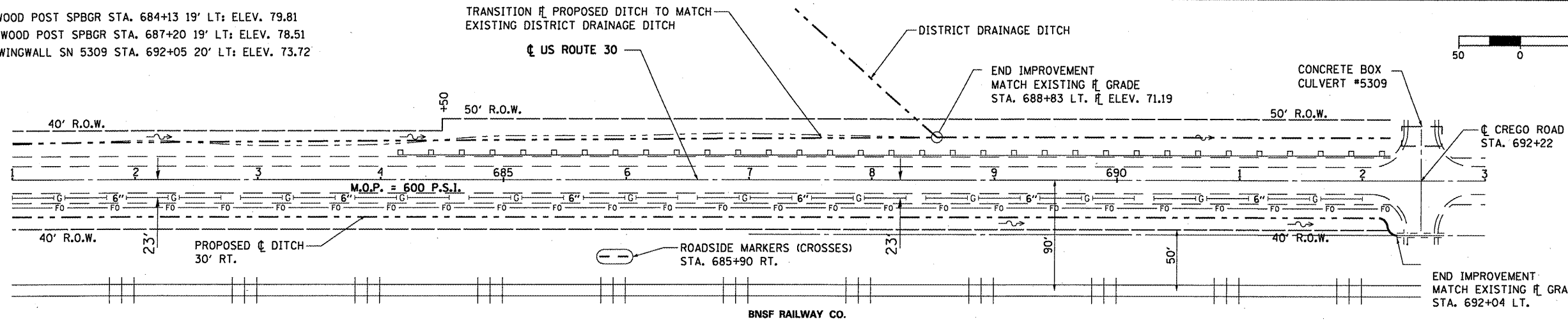
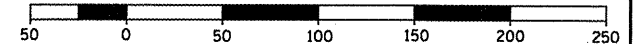
TRANSITION FROM PROPOSED DITCH TO MATCH
 EXISTING DISTRICT DRAINAGE DITCH

DISTRICT DRAINAGE DITCH

END IMPROVEMENT
 MATCH EXISTING FL GRADE
 STA. 688+83 LT. FL ELEV. 71.19

CONCRETE BOX
 CULVERT #5309

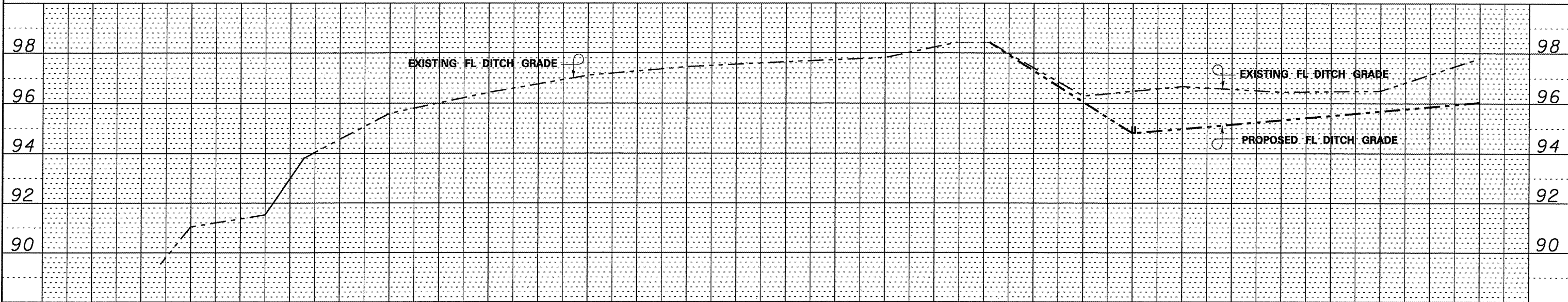
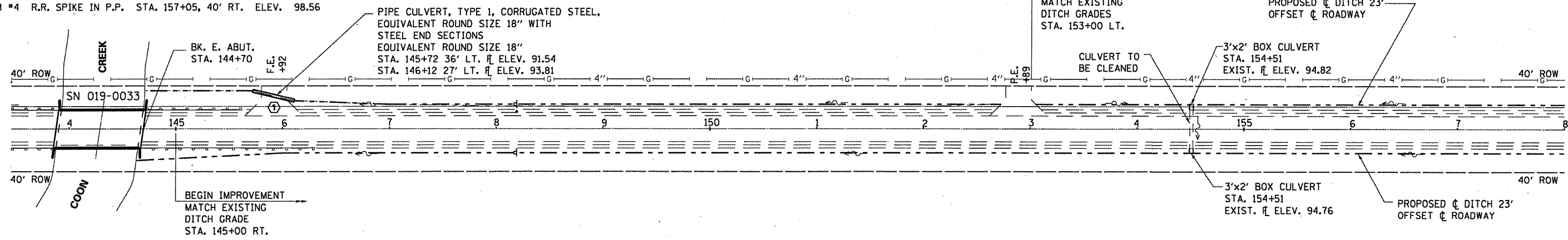
GRAPHIC SCALE
 FEET



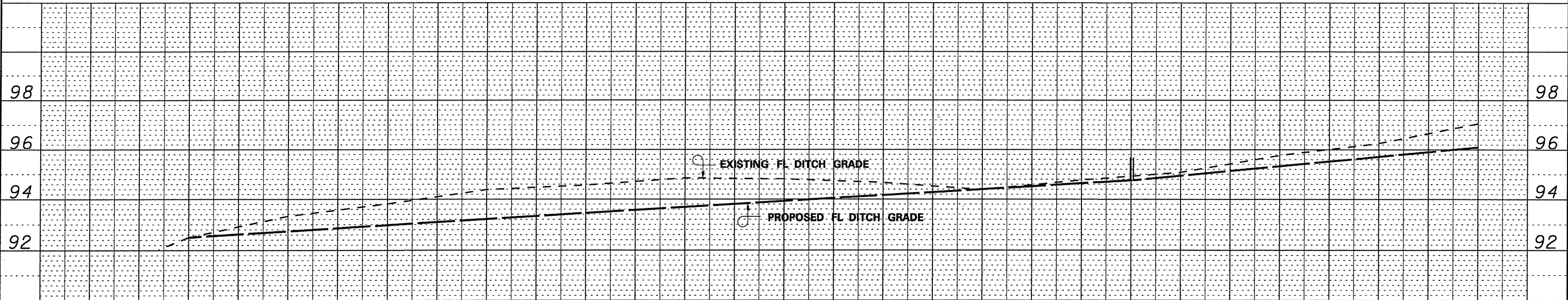
FILE NAME =	USER NAME = woodshank-r	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - US 30	F.A.P. RTE. 573/557	SECTION (116,128)T	COUNTY DEKALB	TOTAL SHEETS 21	SHEET NO. 12
CONTRACT NO. 66939	SCALE: 50	SHEET NO. 4 OF 4 SHEETS	STA. 681+00 TO STA. 692+00			ILLINOIS				
PLOT SCALE = 100,0000' / IN.	CHECKED - RON WOODSHANK	REVISED -								
PLOT DATE = Nov 24, 2009 - 01:57:57 PM	DRAWN -	REVISED -								

BM #1 "P131 RESET PLAQUE" TOP OF S.E. PARAPET WALL SN 019-0033 ELEV. 100.00
 BM #2 R.R. SPIKE IN AGGREGATE SHOULDER, STA. 148+19 16.5' S LT. ELEV. 97.55
 BM #3 TOP R.O.W. MARKER, STA. 151+78 40' RT. ELEV. 101.48
 BM #4 R.R. SPIKE IN P.P. STA. 157+05, 40' RT. ELEV. 98.56

① REMOVE EXISTING 18"/15" Ø x 40' C.M.P. CULVERT INCLUDING END SECTIONS



LT	91.04	95.08	95.60	96.43	97.11	97.46	97.65	97.82	98.25	96.25	96.02	96.68	94.99	96.46	95.34	96.45	95.69	97.80	96.04	LT
	145+00	146+00	147+00	148+00	149+00	150+00	151+00	152+00	153+00	154+00	155+00	156+00	157+00	158+00						



RT	92.50	92.50	93.33	92.73	93.82	92.97	94.39	93.21	94.57	93.44	94.85	93.68	94.81	93.92	94.67	94.15	94.39	94.39	94.77	94.64	95.08	94.94	95.77	95.34	96.26	95.71	97.06	96.09	RT
	145+00	146+00	147+00	148+00	149+00	150+00	151+00	152+00	153+00	154+00	155+00	156+00	157+00	158+00															

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - IL 72

SCALE: 50 SHEET NO. 1 OF 2 SHEETS STA. 144+70 TO STA. 158+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116.128)T	DEKALB	21	13
CONTRACT NO. 66939			ILLINOIS	

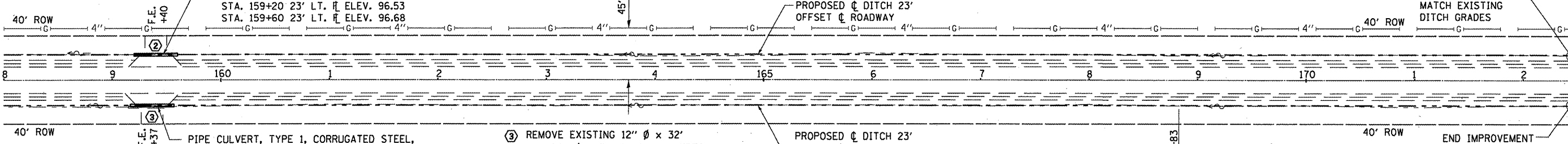
FILE NAME =
 USER NAME = woodshankr1
 DESIGNED - RON WOODSHANK
 CHECKED - RON WOODSHANK
 PLOT SCALE = 100.0000 / IN.
 PLOT DATE = Nov 24, 2009 - 01:58:06 PM

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

BM #5 R.R. SPIKE IN P.P. STA. 162+05 40' RT. ELEV. 102.21
 BM #6 R.R. SPIKE IN P.P. STA. 167+38 40' RT. ELEV. 102.37
 BM #7 TOP OF R.O.W. MARKER STA. 172+45 40' RT. ELEV. 105.78

② REMOVE EXISTING 12" Ø x 40' C.M.P. CULVERT INCLUDING END SECTIONS
 STA. 159+24 EXIST. R. ELEV. 97.66
 STA. 159+56 EXIST. R. ELEV. 97.38

PIPE CULVERT, TYPE 1, CORRUGATED STEEL, EQUIVALENT ROUND SIZE 30" x 40' WITH STEEL END SECTIONS
 EQUIVALENT ROUND SIZE 30"
 STA. 159+20 23' LT. R. ELEV. 96.53
 STA. 159+60 23' LT. R. ELEV. 96.68



PIPE CULVERT, TYPE 1, CORRUGATED STEEL, EQUIVALENT ROUND SIZE 30" x 40' WITH STEEL END SECTIONS
 EQUIVALENT ROUND SIZE 30"
 STA. 159+20 23' LT. R. ELEV. 96.53
 STA. 159+60 23' LT. R. ELEV. 96.68

③ REMOVE EXISTING 12" Ø x 32' AND 24" Ø x 38' C.M.P. CULVERTS

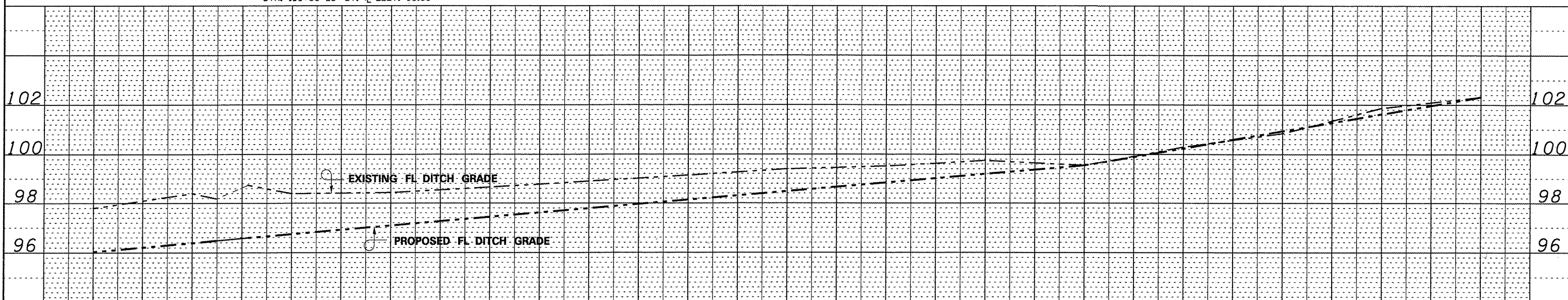
PROPOSED 23' OFFSET DITCH

EXISTING FIELD TILE RUNS WITHIN DITCH LIMITS TO STRUCTURE

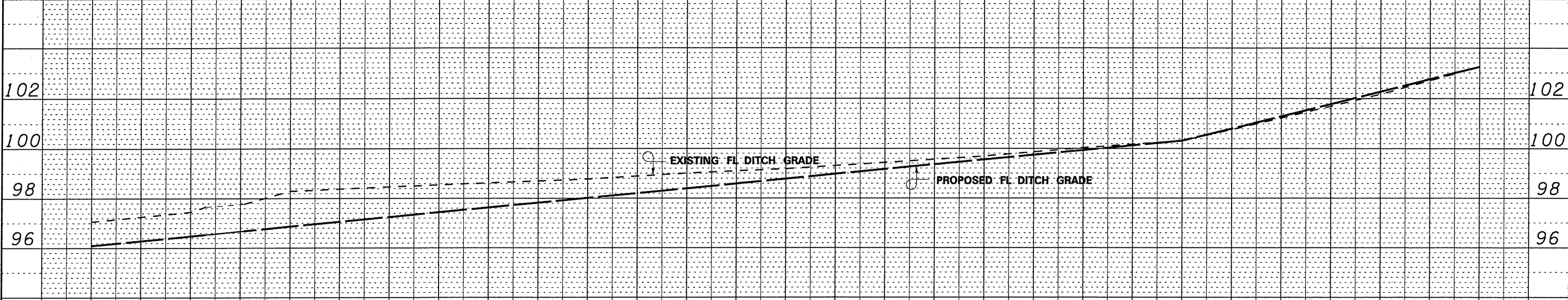
END IMPROVEMENT MATCH EXISTING DITCH GRADES

END IMPROVEMENT MATCH EXISTING DITCH GRADES

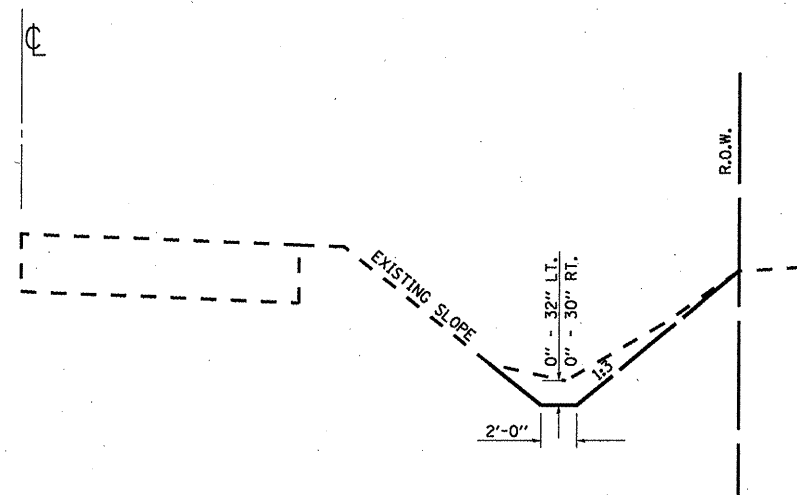
KANE COUNTY LINE STA. 172+45



LT	97.80	96.04	98.39	96.39	98.39	96.74	98.43	97.09	98.66	97.44	98.95	97.79	99.14	98.14	99.40	98.48	99.57	98.84	99.75	99.20	99.55	99.55	100.25	100.24	100.84	100.94	101.87	101.63	102.32	102.32	LT
	158+00	159+00	160+00	161+00	162+00	163+00	164+00	165+00	166+00	167+00	168+00	169+00	170+00	171+00	172+00																



RT	97.06	96.09	97.45	96.48	98.30	96.86	98.47	97.25	98.63	97.63	98.78	98.01	99.01	98.40	99.18	98.78	99.44	99.17	99.69	99.55	100.04	99.94	100.32	100.32	101.23	101.29	102.17	102.26	103.24	103.24	RT
	158+00	159+00	160+00	161+00	162+00	163+00	164+00	165+00	166+00	167+00	168+00	169+00	170+00	171+00	172+00																

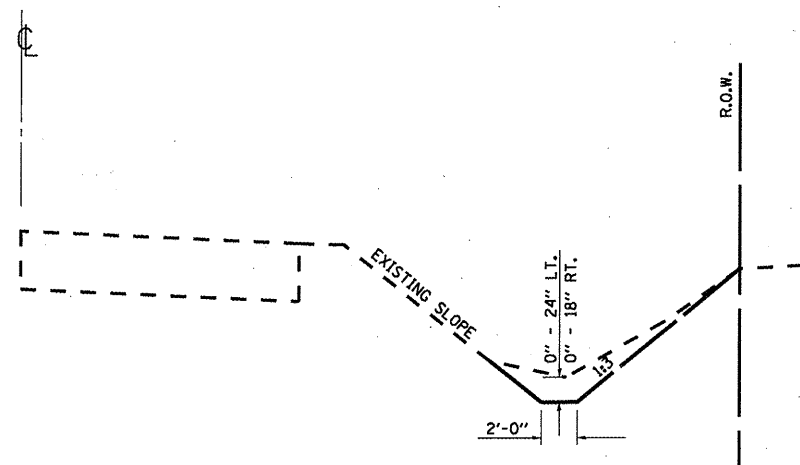


TYPICAL DITCH DETAIL

LEFT			RIGHT		
STATION	EXISTING FL ELEV.	PROPOSED FL ELEV.	STATION	EXISTING FL ELEV.	PROPOSED FL ELEV.
645+00	94.31		645+00	93.73	
646+00	93.57	93.25	646+00	92.75	92.69
647+00	92.18	92.20	647+00	91.57	91.65
648+00	91.30	91.14	648+00	90.61	90.64
649+00	90.60	90.09	649+00	89.88	89.61
650+00	90.09	89.04	650+00	88.59	
651+00	89.16	87.98	651+00	88.23	
652+00	88.53	87.39	652+00	87.94	87.82
653+00	88.28	86.93	653+00	87.42	
654+00	88.32	86.48	654+00	87.30	86.92
655+00	88.23	86.02	655+00	86.77	86.41
656+00	88.24	85.56	656+00	86.49	85.91
657+00	87.54	85.11	657+00	85.53	85.41
658+00	86.74	84.65	658+00	85.11	84.91
659+00	86.34	84.20	659+00	84.22	84.40
660+00	85.70	83.62	660+00	83.48	83.90
661+00	85.43	83.28	661+00	83.04	83.40
662+00	85.24	82.82	662+00	82.27	82.49
663+00	84.49	82.36	663+00	81.87	82.39
664+00	83.75	81.90	664+00	81.37	81.89
665+00	83.08	81.45	665+00	81.54	81.39
666+00	82.56	80.99	666+00	80.38	80.88
667+00	82.29	80.53	667+00	80.38	80.38
668+00	82.47	80.07	668+00	79.53	79.95
669+00	82.08	79.62	669+00	79.63	79.54
670+00	81.40	79.16	670+00	79.18	79.10
671+00	80.68	78.65	671+00	78.68	78.67
672+00	79.90	78.24	672+00	78.35	78.25
673+00	79.26	77.78	673+00	78.07	77.82
674+00	78.70	77.32	674+00	78.30	77.39

LEFT			RIGHT		
STATION	EXISTING FL ELEV.	PROPOSED FL ELEV.	STATION	EXISTING FL ELEV.	PROPOSED FL ELEV.
675+00	77.91	76.87	675+00	76.93	76.97
676+00	77.75	76.41	676+00	76.44	76.54
677+00	77.50	75.95	677+00	78.17	76.11
678+00	76.79	75.49	678+00	76.69	75.68
679+00	77.03	75.04	679+00	75.54	75.26
680+00	75.24	74.35	680+00	77.37	74.83
681+00	74.38	73.46	681+00	76.68	74.40
682+00	73.71	72.66	682+00	75.73	73.97
683+00	72.80	71.97	683+00	75.22	73.55
684+00	71.49	71.17	684+00	74.28	73.13
685+00	70.46	70.37	685+00	74.75	72.65
686+00	69.36	69.57	686+00	73.19	72.27
687+00	68.63	68.78	687+00	75.71	71.84
688+00	67.98		688+00	71.75	71.41
688+53	71.19		688+53		
			689+00	71.59	70.99
			690+00	71.16	70.56
			691+00	70.86	70.13
			692+00	69.61	

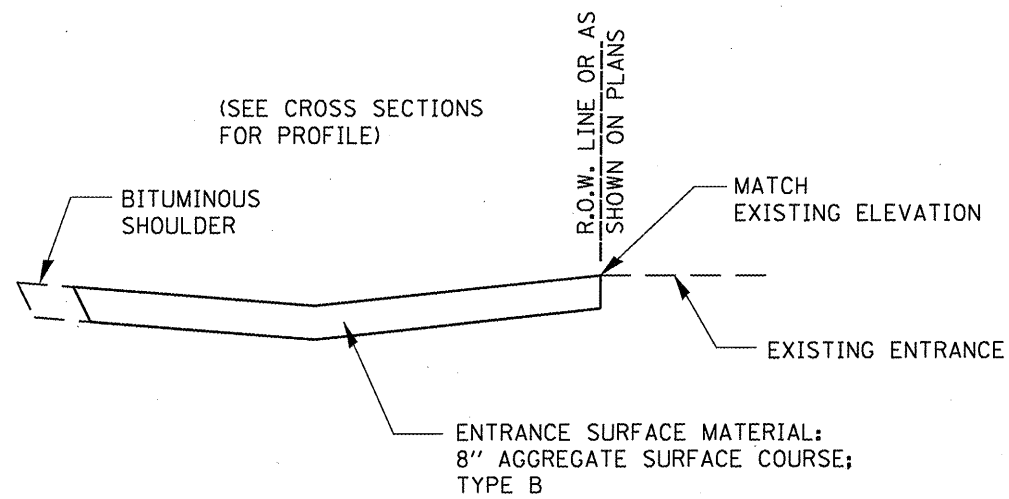
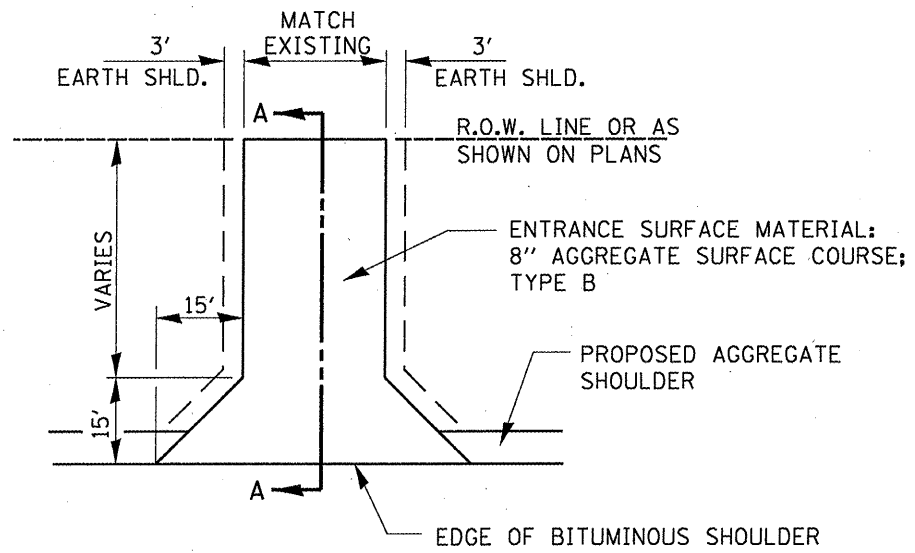
US ROUTE 30



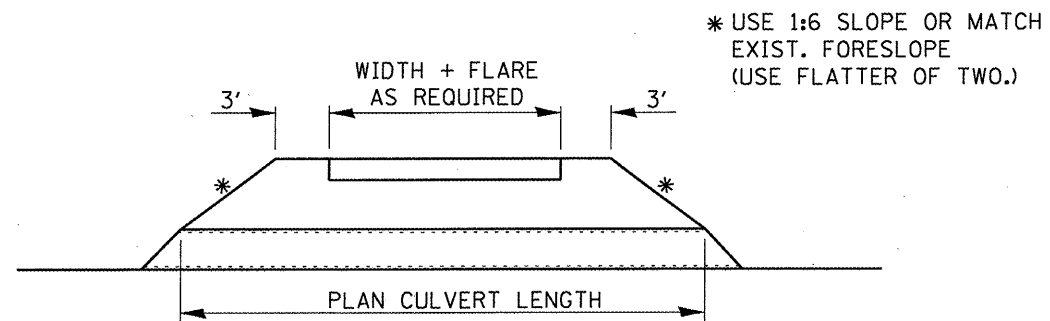
TYPICAL DITCH DETAIL

LEFT			RIGHT		
STATION	EXISTING FL ELEV.	PROPOSED FL ELEV.	STATION	EXISTING FL ELEV.	PROPOSED FL ELEV.
144+70	89.54		144+70	89.54	
145+00	91.04		145+00	92.50	
146+00	95.08		146+00	93.33	92.73
147+00	95.60		147+00	93.82	92.97
148+00	96.43		148+00	94.39	93.21
149+00	97.11		149+00	94.57	93.44
150+00	97.46		150+00	94.85	93.68
151+00	97.65		151+00	94.81	93.92
152+00	97.82		152+00	94.67	94.15
153+00	98.25		153+00	94.39	94.39
154+00	96.25	96.02	154+00	94.77	94.64
155+00	96.68	94.99	155+00	95.08	94.94
156+00	96.46	95.34	156+00	95.77	95.34
157+00	96.45	95.69	157+00	96.26	95.71
158+00	97.80	96.04	158+00	97.06	96.09
159+00	98.39	96.39	159+00	97.45	96.48
160+00	98.39	96.74	160+00	98.30	96.86
161+00	98.43	97.09	161+00	98.47	97.25
162+00	98.66	97.44	162+00	98.63	97.63
163+00	98.95	97.79	163+00	98.78	98.01
164+00	99.14	98.14	164+00	99.01	98.40
165+00	99.40	98.48	165+00	99.18	98.78
166+00	99.57	98.84	166+00	99.44	99.17
167+00	99.75	99.20	167+00	99.69	99.55
168+00	99.55	99.55	168+00	100.04	99.94
169+00	100.25	100.24	169+00	100.32	100.32
170+00	100.84	100.94	170+00	101.23	101.29
171+00	101.87	101.63	171+00	102.17	102.26
172+00	102.32		172+00	103.24	
172+45	102.91		172+45	103.87	

IL ROUTE 72



SECTION A-A



FIELD ENTRANCE DETAIL

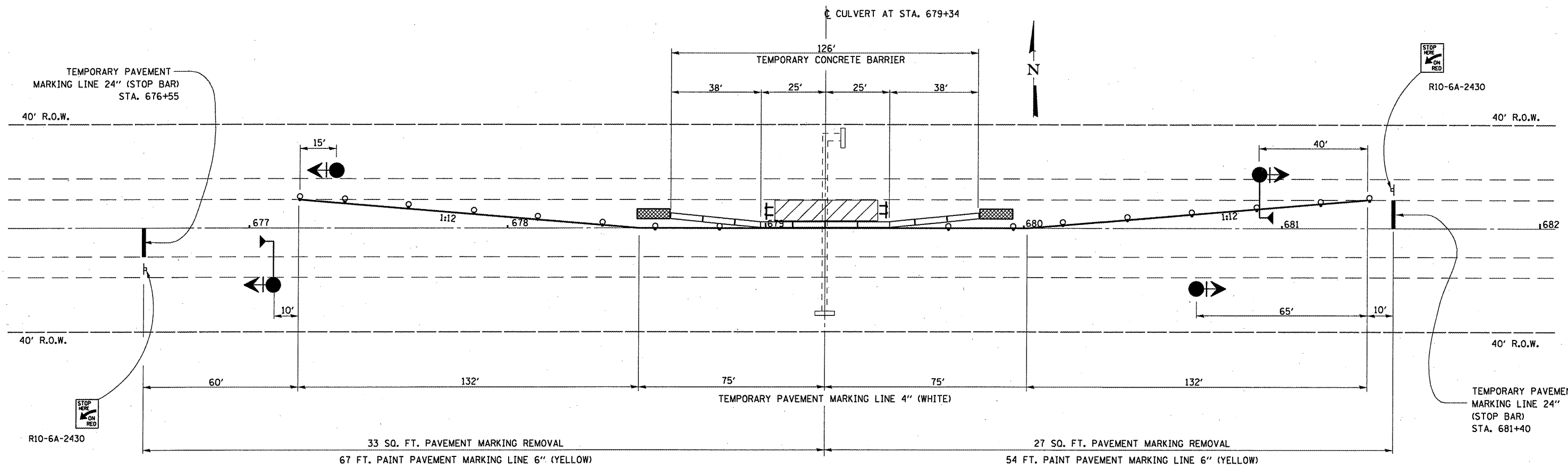
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c:\pvt_work\pwwidot\woodshank-r1\d0135041\086939-detail.s.dgn		DRAWN - RON WOOD SHANK	REVISED - -----
	PLOT SCALE = 100.0000' / IN.	CHECKED - -----	REVISED - -----
	PLOT DATE = Nov 24, 2009 - 01:58:24 PM	DATE - -----	REVISED - -----

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD ENTRANCE DETAILS

SCALE: ----- SHEET NO. 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116,128)T	DE KALB	21	16
			CONTRACT NO. 66939	
ILLINOIS				



PLAN
STA. 679+34

NOTES

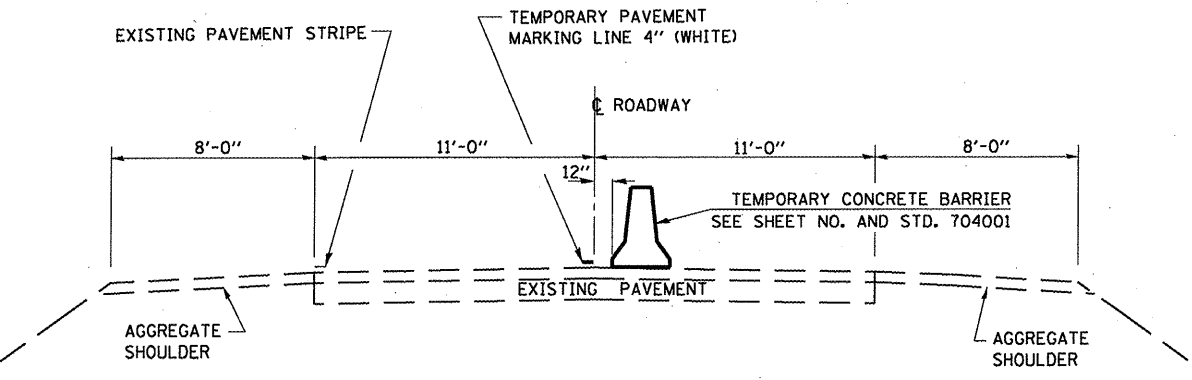
SEE TRAFFIC CONTROL AND PROTECTION STANDARD 701321 FOR DETAILS NOT SHOWN.

DETECTOR LOOPS WILL NOT BE REQUIRED FOR THIS WORK.

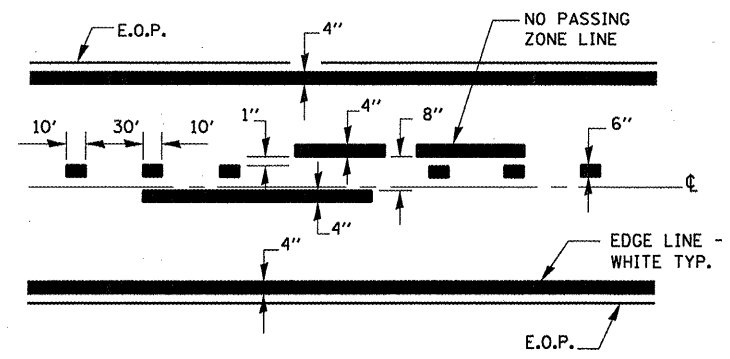
THE COST FOR FURNISHING AND INSTALLING MICROWAVE DETECTORS SHALL BE INCLUDED IN THE COST OF "STANDARD 701321.

SYMBOLS

- WORK AREA
- SIGN
- TYPE III BARRICADE
- TRAFFIC SIGNAL WITH BACK PLATE
- IMPACT ATTENUATOR
- DRUM WITH STEADY BURNING LIGHT
- TEMPORARY CONCRETE BARRIER
- MICROWAVE DETECTOR



CROSS SECTION

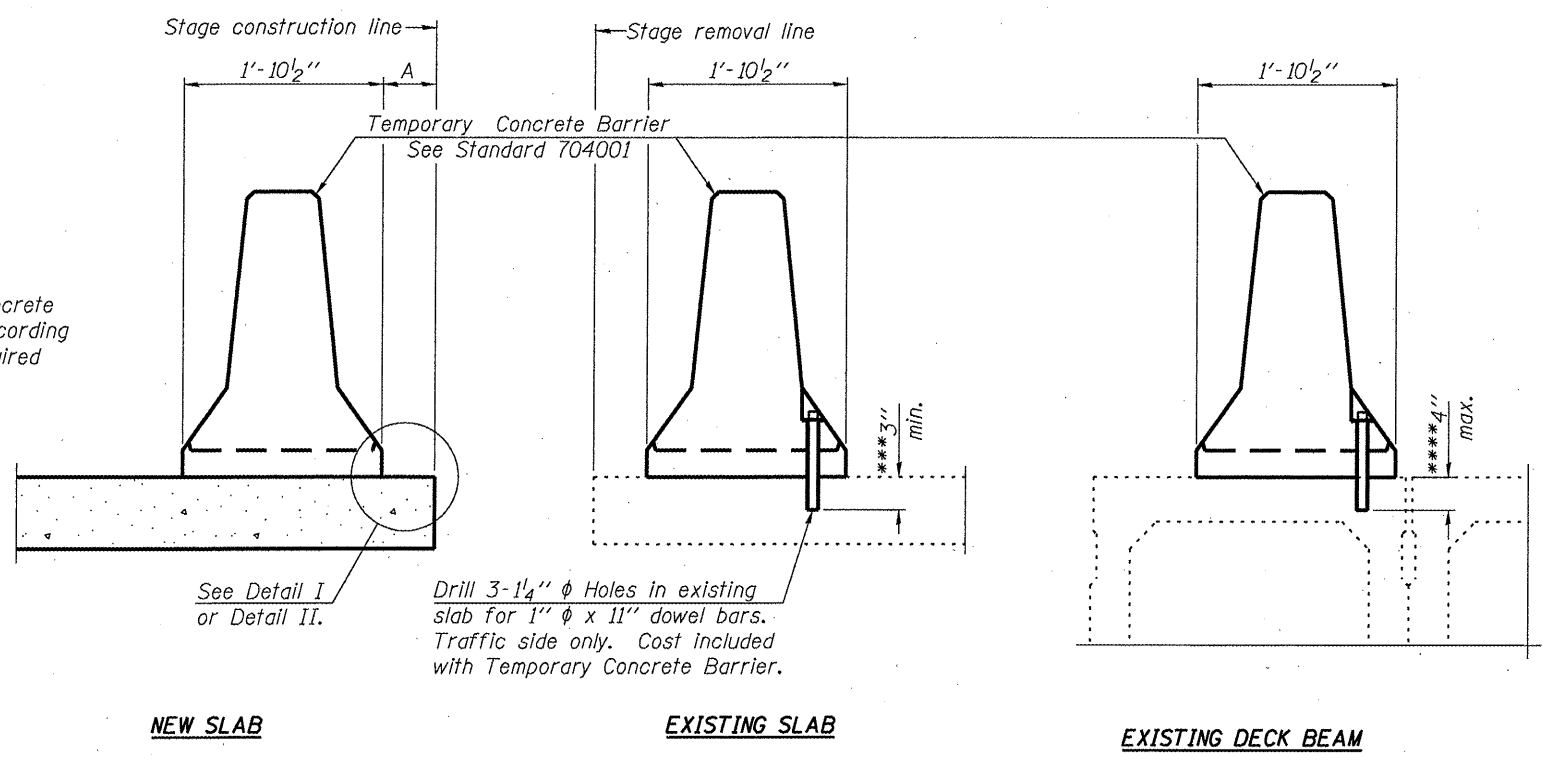


CENTERLINE & NO PASSING ZONE LINES - YELLOW

PAVEMENT MARKING

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RON WOOD SHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING DETAILS - US RTE. 30 STANDARD 701321	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwr\work\pwsdot\woodshankr1\ad0135041\066939-deta11s.dgn	DRAWN - RON WOOD SHANK	REVISED -	573/557			(116,128)T	DE KALB	21	17	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 66939							
PLOT DATE = Nov 24, 2009 - 01:58:29 PM	DATE -	REVISED -	ILLINOIS							
					SCALE: _____	SHEET NO. 1 OF 1 SHEETS		STA. 679+23 LT.		

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1"x7"x10" steel \bar{L} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.

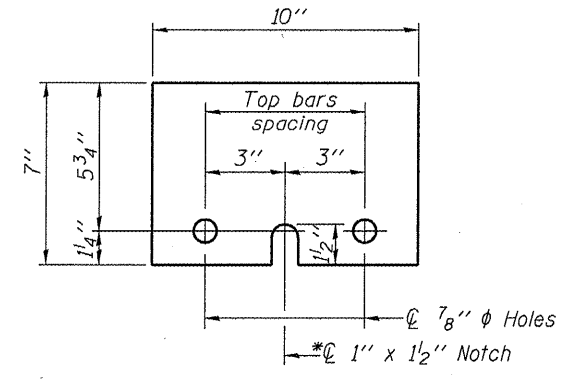
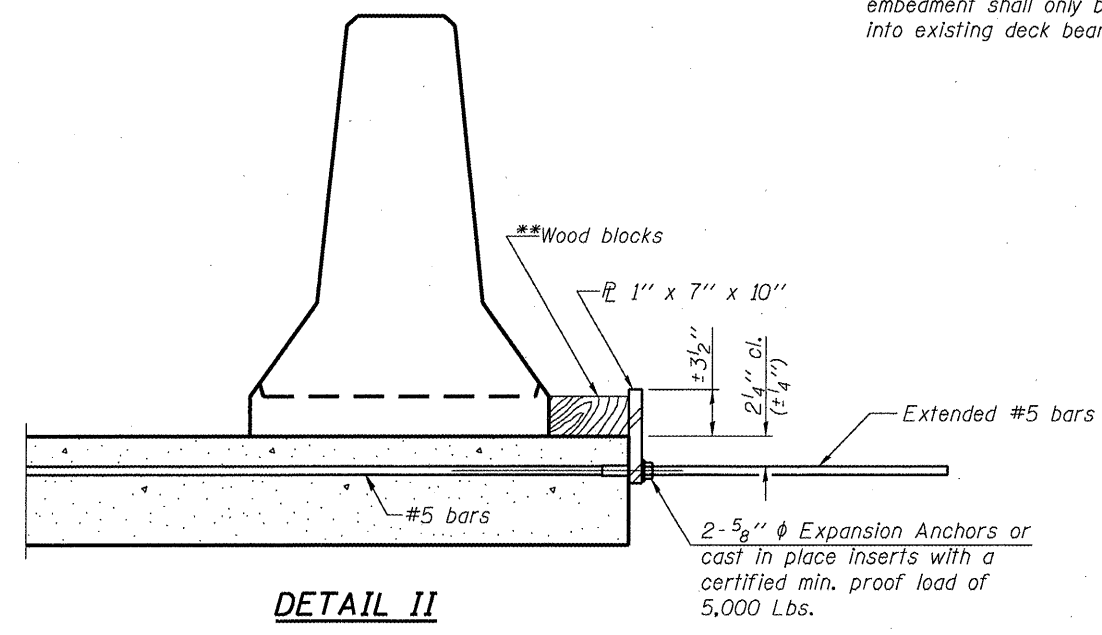
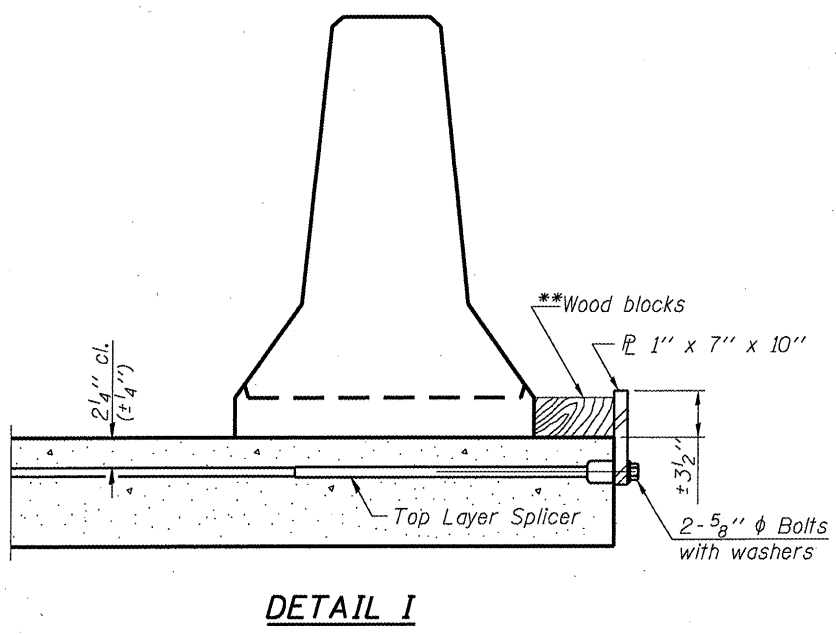
Detail II - With Extended Reinforcement Bars:
Connect one (1) 1"x7"x10" steel \bar{L} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

SECTIONS THRU SLAB OR DECK BEAM

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



STEEL RETAINER \bar{L} 1" x 7" x 10"
* Required only with Detail II

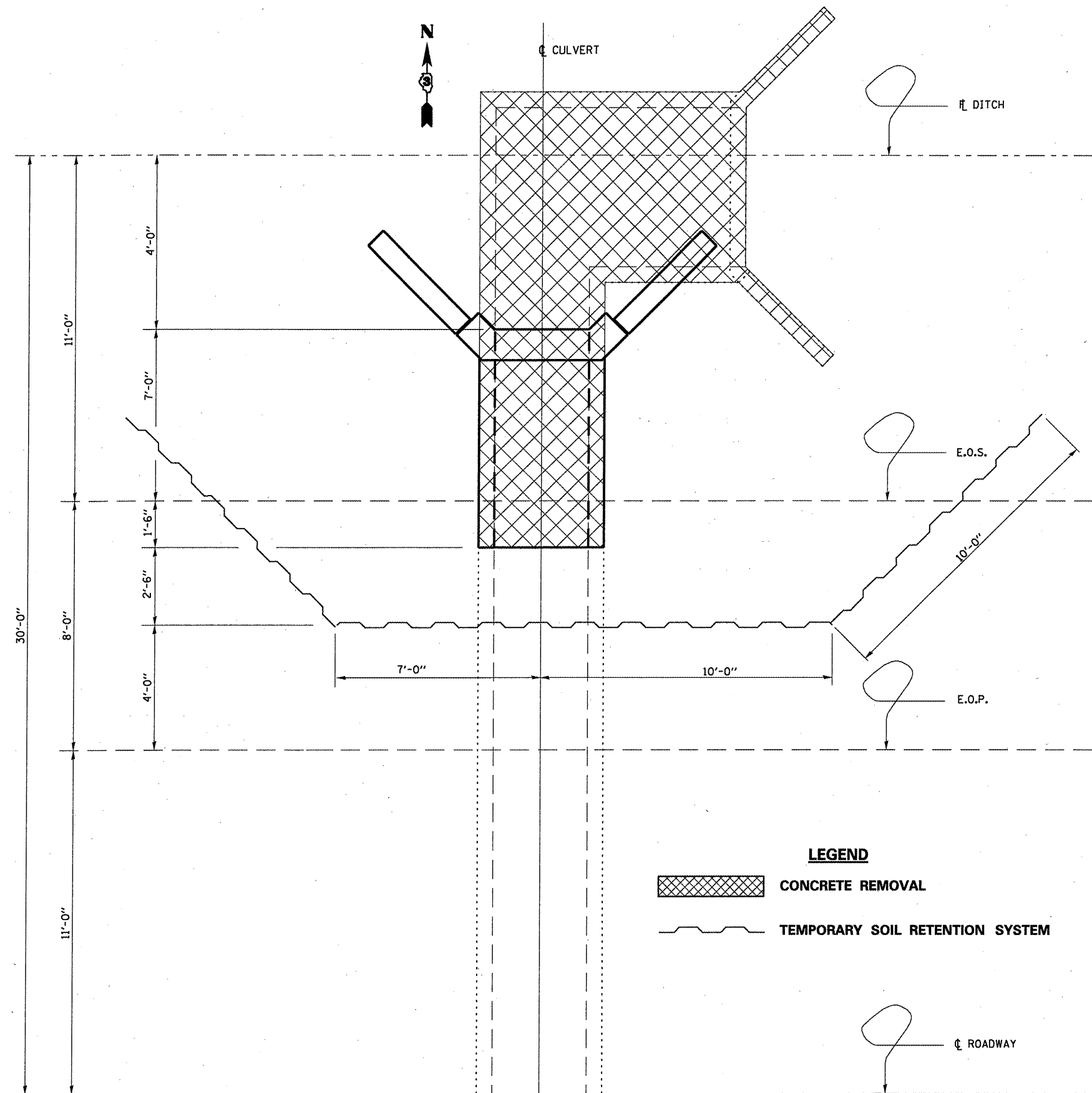
**Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

BILL OF MATERIAL

TEMPORARY CONCRETE BARRIER	FOOT	126
----------------------------	------	-----

R-27 10-1-08

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RON WOOD SHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os:\pwork\puidot\woodshankr1\d0135041\066939-deta11s.dgn	DRAWN - RON WOOD SHANK	REVISED -	573/557			(116,128)T	DE KALB	21	18	
PLOT SCALE = 1/8" = 1' / IN.	CHECKED -	REVISED -	CONTRACT NO. 66939							
PLOT DATE = Nov 24, 2009 - 01:58:36 PM	DATE -	REVISED -	ILLINOIS							



PLAN
STA. 679+34 LT.

Page 1 of 1

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/18/09

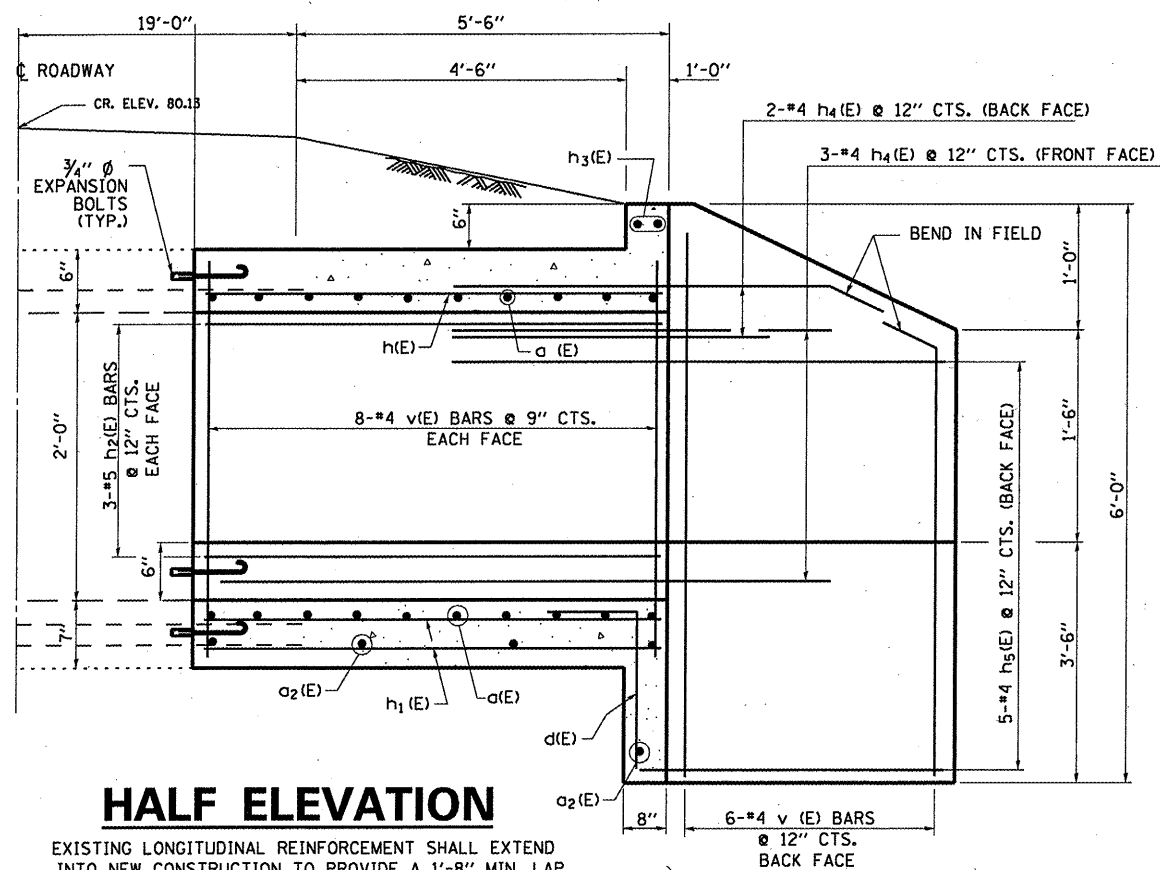
ROUTE IL 30 DESCRIPTION 5'x2' Box Culvert on IL 30, 0.77 miles East of IL Route 23 LOGGED BY LM

SECTION (116,128)T LOCATION East 12, SEC. 14, TWP. 38N, RNG. 4E

COUNTY Dekalb DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

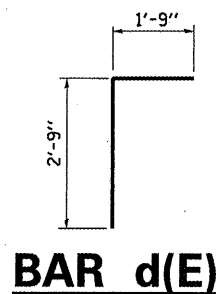
STRUCT. NO.	None	D	B	U	M	Surface Water Elev.	765.34	ft	D	B	U	M
Station	679+34	E	L	C	O	Stream Bed Elev.	764.09	ft	E	L	C	O
BORING NO. 1 (NE Quad, on Shldr.)		P	O	S	I	Groundwater Elev.:			P	O	S	I
Station	679+47	T	W	S	Q	First Encounter	757.1	ft	H	S	Q	T
Offset	18.00ft Lt.	H	S	Qu	T	Upon Completion	757.1	ft				
Ground Surface Elev.	769.13	(ft)	(6")	(tsf)	(%)	After		ft	(ft)	(6")	(tsf)	(%)
Augered Gray Shoulder Stone, Brown Sand & Gravel Fill & Black Silty Clay Loam Fill	766.63					Medium Gray/Brown Fine Sand to Medium Gravel (Washed Sample 20'-21.5') (continued)			5			
									8			19.5
									10			
Hard to Very Stiff Black, Brown, Gray Silty Clay & Silty Clay Loam Fill	764.63	4				Very Stiff to Hard Grayish Brown Silty Clay Loam Till			9			
		3	4.0	17.0					5	3.2	14.2	
		5	P						5	B		
Stiff Brown & Gray Silty Clay Loess	764.63											
		-5							-25			
		2							5			
		2	1.0	26.9					8	5.4	17.5	
		3	P						13	S		
Soft Brown Loam/Clay Loam with Sand, Gravel & Free Water, Large Gravel pieces	762.13											
		2							11			
		1	0.5	14.2					16	6.7	21.4	
		2	P						17	S		
		-10							9			
		4	1.0	11.7					10	6.4	9.0	
		5	P						10	S		
Hard Gray Silty Clay Loam Till	757.13					End of Boring						
		5										
		7	4.3	12.0								
		8	S									
Medium Gray Silt & Fine to Medium Sand	754.13											
		-15							-35			
		5										
		7		19.7								
		10										
Medium Gray/Brown Fine Sand to Medium Gravel (Washed Sample 20'-21.5')	752.13											
		5		18.8								
		5										
		5										
		-20							-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)

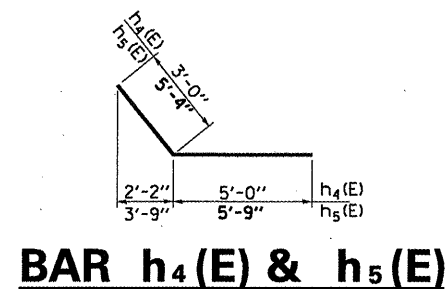


HALF ELEVATION

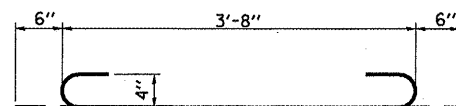
EXISTING LONGITUDINAL REINFORCEMENT SHALL EXTEND INTO NEW CONSTRUCTION TO PROVIDE A 1'-8" MIN. LAP



BAR d(E)

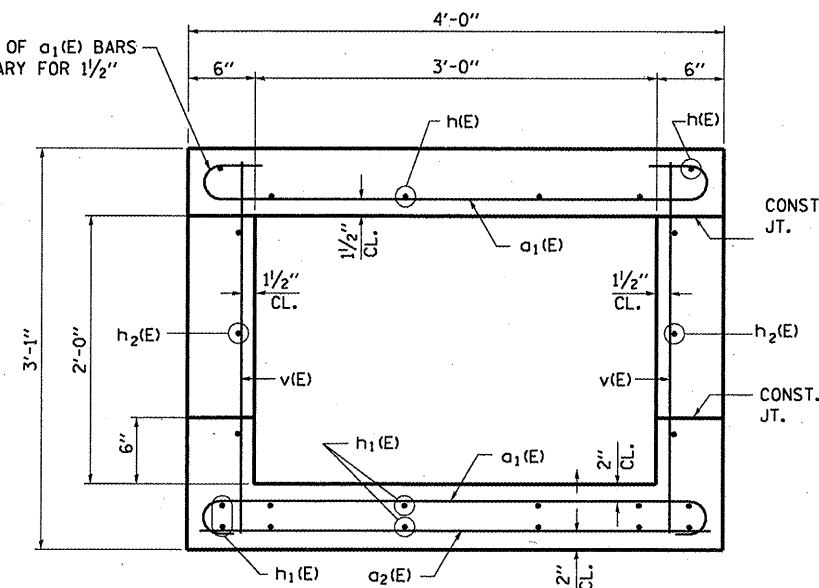


BAR h4(E) & h5(E)



BAR a1(E)

TILT HOOK OF a1(E) BARS IF NECESSARY FOR 1/2" MIN. CL.



SECTION THRU BARREL REINFORCEMENT

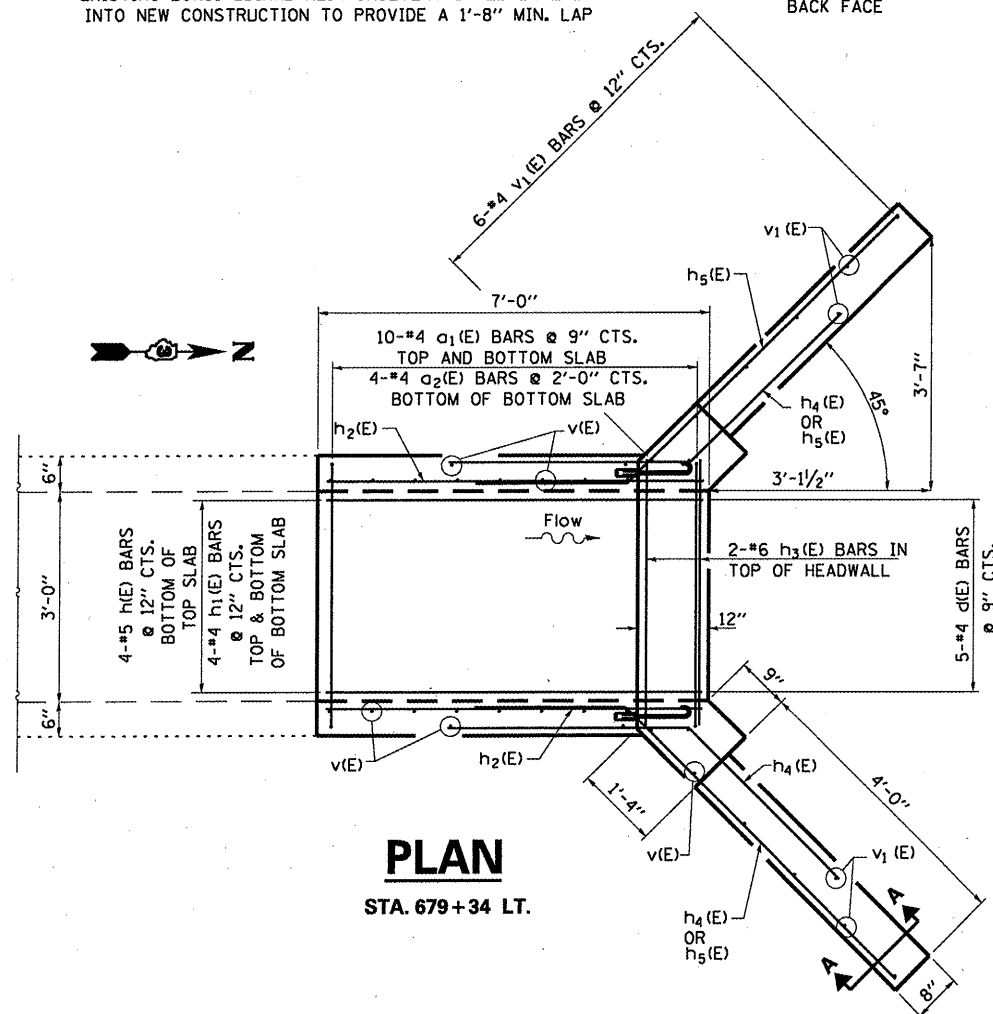
NOTES

A DISTANCE OF HALF THE LENGTH OF THE WINGWALL BUT NOT LESS THAN SIX FEET (6') OF THE BARREL SHALL BE POURED MONOLITHICALLY WITH THE WINGWALLS.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706, GR 60. SEE SPECIAL PROVISIONS.

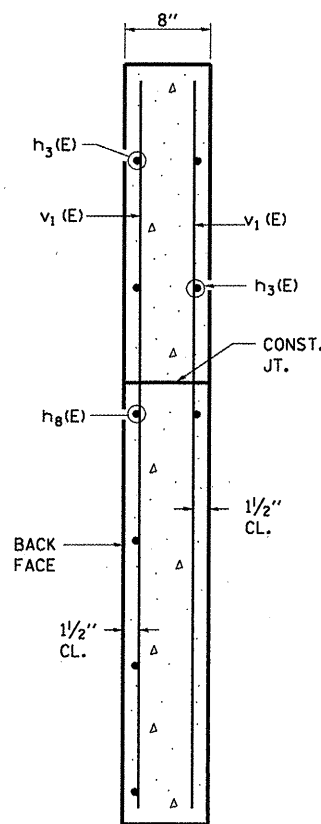
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

ALL CONSTRUCTION JOINTS SHALL BE BONDED.

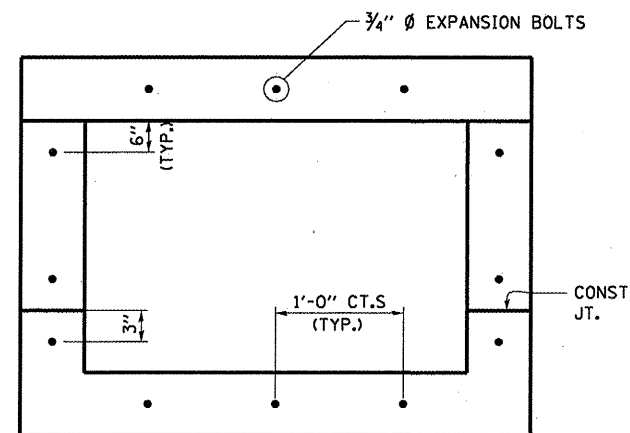


PLAN

STA. 679+34 LT.



SECTION A-A



SECTION THRU BARREL EXPANSION BOLTS

NOTE: EXPANSION BOLTS SHALL BE 3/4" Ø HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	20	#4	4'-8"	[U-shaped]
a2(E)	4	#4	3'-8"	[Horizontal]
d(E)	5	#4	4'-6"	[L-shaped]
h(E)	6	#5	6'-9"	[Horizontal]
h1(E)	12	#4	6'-9"	[Horizontal]
h2(E)	6	#5	5'-9"	[Horizontal]
h3(E)	2	#6	3'-9"	[Horizontal]
h4(E)	5	#4	8'-0"	[Horizontal]
h5(E)	5	#4	11'-1"	[Horizontal]
v(E)	16	#4	2'-10"	[Horizontal]
v1(E)	16	#4	5'-9"	[Horizontal]
REINFORCEMENT BARS EPOXY COATED			POUNDS	300

(E) DENOTES "EPOXY COATED"

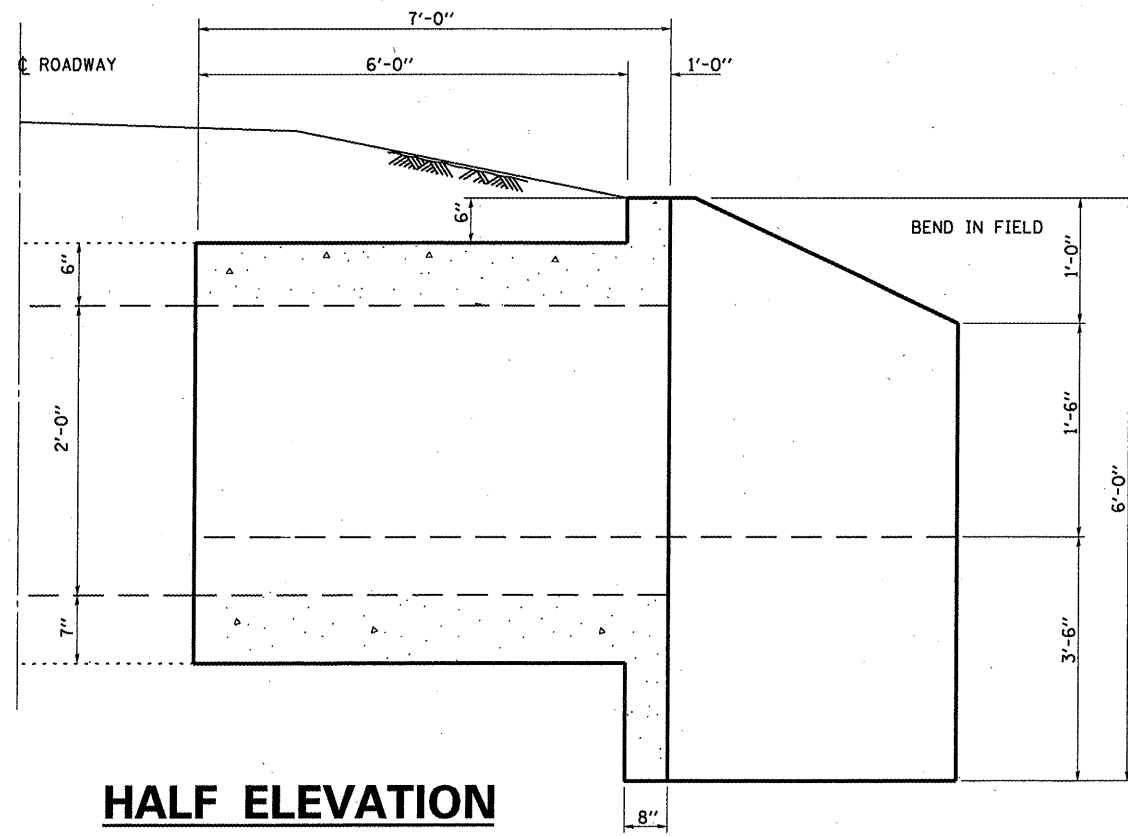
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ct:\pwork\pwsdot\woodshankr1\d0135201\666939-details.dgn		DRAWN - RON WOODSHANK	REVISED -
PLOT SCALE = 1/8"=1'-0" / IN.		CHECKED -	REVISED -
PLOT DATE = Nov 24, 2007 - 01:58:48 PM		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

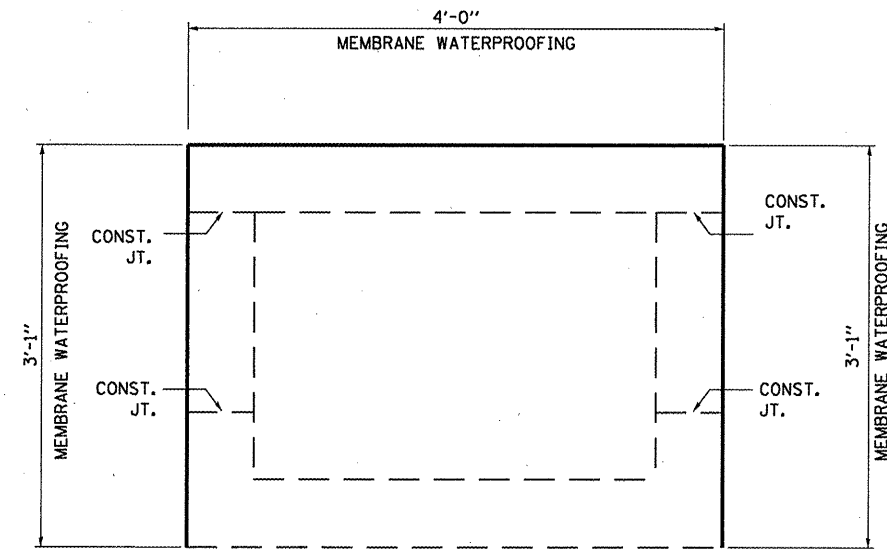
BOX CULVERT RECONSTRUCTION

SCALE: SHEET NO. 2 OF 3 SHEETS STA. 679+23 LT.

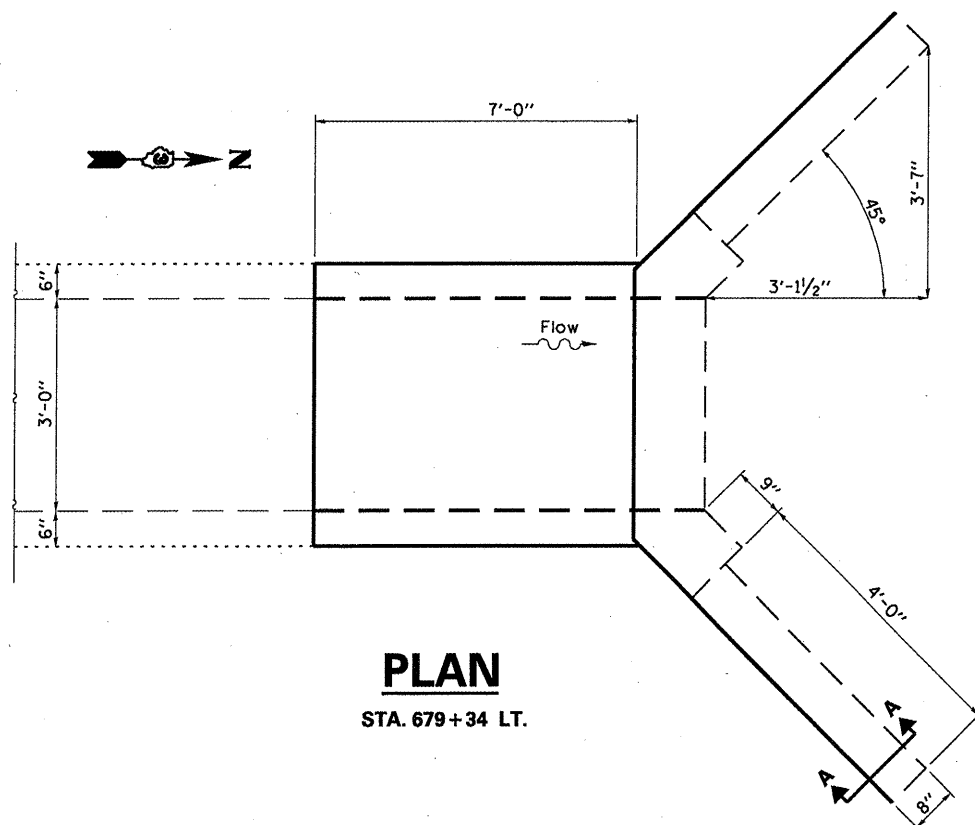
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116.128)T	DEKALB	21	20
ILLINOIS			CONTRACT NO. 66939	



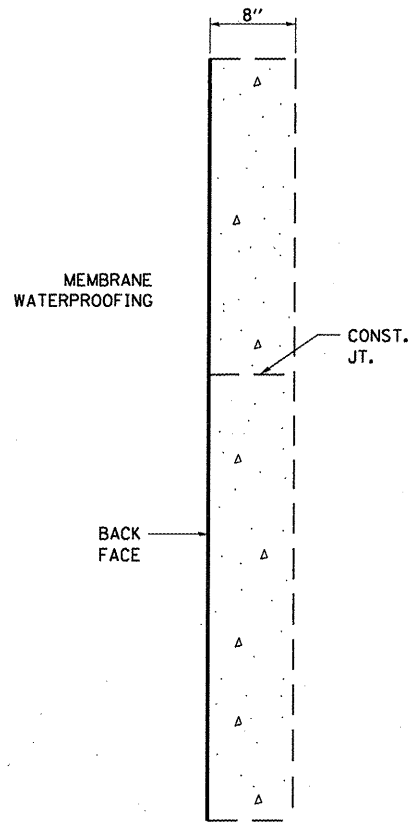
HALF ELEVATION



SECTION THRU BARREL



PLAN
STA. 679+34 LT.



SECTION A-A

FILE NAME =
c:\pw_work\pwsdot\woodshank\110135041\066939-details.dgn

USER NAME = woodshankr1
PLOT SCALE = 100.0000' / IN.
PLOT DATE = Nov 24, 2009 - 01:58:53 PM

DESIGNED - RON WOODSHANK
DRAWN - RON WOODSHANK
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MEMBRANE WATERPROOFING

SCALE: SHEET NO. 3 OF 3 SHEETS STA. 679+23 LT.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573/557	(116,128)T	DEKALB	21	21
CONTRACT NO. 66939			ILLINOIS	