PROJECT ENGINEER: REBECCA MARRUFFO

SENIOR SQUAD LEADER: KEVIN HENSON (815)-284-5971

09-23-11 LETTING ITEM 018

CONTRACT NO. 64F23

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 309 (US 30)
SECTION 15T-1
PROJECT: NHF-0309(014)
WHITESIDE COUNTY

C-92-112-11

FOR INDEX OF SHEETS & STATE STANDARDS, SEE SHEET NO. 2

IMPROVEMENT BEGINS
STA. 1333 + 35

WINGWALL REPAIR TO SN 098-1020 LOCATED 0.3 MILE WEST OF ROUND GROVE RD.

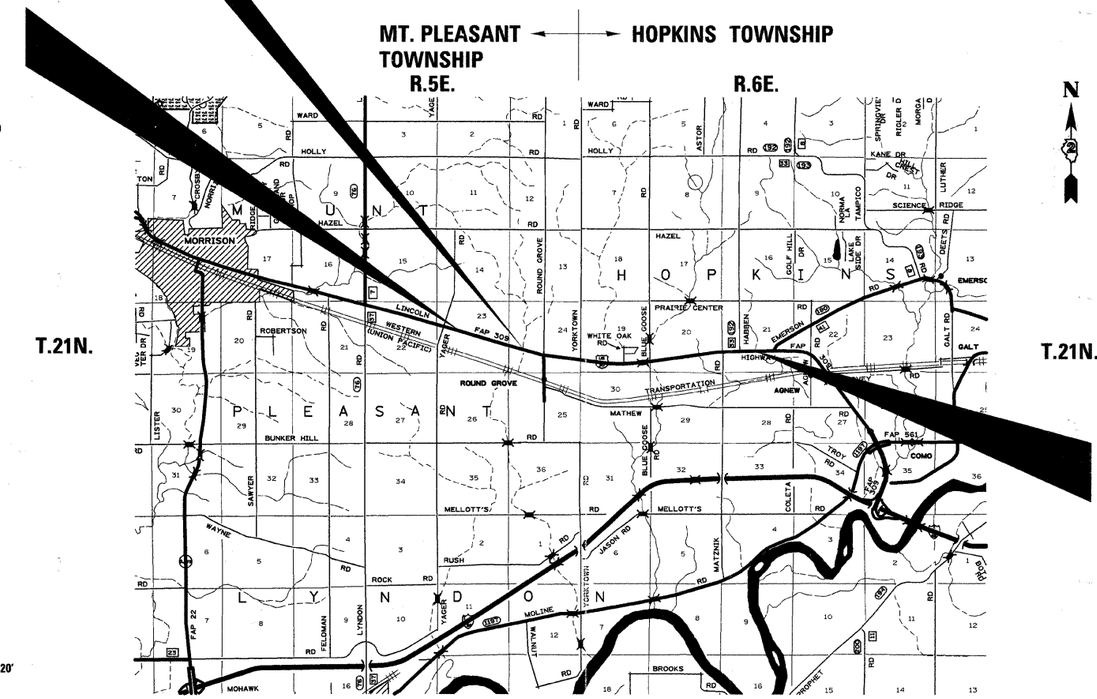
IMPROVEMENT ENDS
STA. 1335 + 60

IMPROVEMENT BEGINS
STA. 1277 + 16
SECTION BEGINS
STA. 1280 + 83

REMOVAL AND REPLACEMENT OF SN 098-1019 LOCATED 0.2 MILE EAST OF YAGER RD.

PROPOSED SN 098-1067

SECTION ENDS
STA. 1281 + 63
IMPROVEMENT ENDS
STA. 1284 + 16.50



IMPROVEMENT BEGINS
STA. 1502 + 00

EXTENSION OF SN 098-1021 LOCATED 0.2 MILE EAST OF HABBEN RD.

IMPROVEMENT ENDS
STA. 1505 + 75

100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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

CONTRACT NO. 64F23

HOPKINS TOWNSHIP, SECTION 21
MT. PLEASANT TOWNSHIP, SECTION 23, 24
GROSS LENGTH OF PROJECT = 22,859 LIN. FT. = 4.33 MILES
NET LENGTH OF PROJECT = 80 LIN. FT. = 0.02 MILES

D-92-086-09

LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED June 24 20 11
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 19 20 11
Scott E. Stitt, P.E. /bh
acting ENGINEER OF DESIGN AND ENVIRONMENT

August 19 20 11
Christine M. Reed /bh
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

CONTACT: DAVID L. SMOOT, S.E.
WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

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INDEX OF SHEETS

STANDARDS

280001–05	TEMPORARY EROSION CONTROL SYSTEMS
442201–03	CLASS C AND D PATCHES
482011–03	HMA SHOULDER STRIPS/ SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542121–02	REINFORCED CONCRETE END SECTIONS FOR MULTIPLE (2 & 3) PIPE CULVERTS, 42" THRU 60" DIAMETER AT RIGHT ANGLES WITH ROADWAY
542401–01	METAL END SECTION FOR PIPE CULVERTS
635001–01	DELINEATORS
666001–01	RIGHT OF WAY MARKERS
701001–02	OFF–ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006–03	OFF–ROAD OPERATIONS, 2L 2W, 15' TO 24" FROM PAVEMENT EDGE
701011–02	OFF–ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201–04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45MPH
701301–04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311–03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS – DAY ONLY
701321–11	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326–04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901–01	TRAFFIC CONTROL DEVICES
704001–06	TEMPORARY CONCRETE BARRIER
720011–01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001–01	TELESCOPING STEEL SIGN SUPPORT
729001–01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001–02	TYPICAL PAVEMENT MARKINGS
886001–01	DETECTOER LOOP INSTALLATIONS
886006–01	TYPICAL LAYOUT FOR DETECTOR LOOPS
000001–06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001–02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
INDEX OF SHEETS /HIGHWAY STANDARDS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	2
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

		SUMMARY			RURAL 0040
	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	216	216
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	49	49
	20200100	EARTH EXCAVATION	CU YD	1720	1720
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	115	115
	20400800	FURNISHED EXCAVATION	CU YD	510	510
*	25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25
*	25000310	SEEDING, CLASS 4	ACRE	0.25	0.25
Δ	25000750	MOWING	ACRE	1.25	1.25
*	25100125	MULCH, METHOD 3	ACRE	1.25	1.25
*	25100630	EROSION CONTROL BLANKET	SQ YD	250	250
*	25100900	TURF REINFORCEMENT MAT	SQ YD	319	319
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	654	654
	28000305	TEMPORARY DITCH CHECKS	FOOT	169	169
	28000400	PERIMETER EROSION BARRIER	FOOT	1461	1461
	28000500	INLET AND PIPE PROTECTION	EACH	6	6
	28100107	STONE RIPRAP, CLASS A4	SQ YD	307	307
	28200200	FILTER FABRIC	SQ YD	307	307
	31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	507	507
	35101400	AGGREGATE BASE COURSE, TYPE B	TON	145	145
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	63	63
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	16	16
	44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	232	232
	44213200	SAW CUTS	FOOT	953	953
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	223	223
	48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	347	347
	50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1

* SPECIALTY ITEMS Δ 100% STATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	3
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

SUMMARY				RURAL 0040
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2
50105220	PIPE CULVERT REMOVAL	FOOT	151	151
50300225	CONCRETE STRUCTURES	CU YD	19.7	19.7
50800105	REINFORCEMENT BARS	POUND	21560	21560
50800515	BAR SPLICERS	EACH	47	47
51500100	NAME PLATES	EACH	2	2
54003000	CONCRETE BOX CULVERTS	CU YD	121.1	121.1
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	136	136
54213450	END SECTIONS 15"	EACH	6	6
54390310	INSERTION CULVERT LINER 60"	FOOT	244	244
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	3.4	3.4
60100935	PIPE DRAINS 10"	FOOT	40	40
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	10	10
61133100	FIELD TILE JUNCTION VAULT, 2' DIA.	EACH	1	1
63500105	DELINEATORS	EACH	5	5
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	16	16
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	3	3
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4	4
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2211	2211
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	26	26

* SPECIALTY ITEMS

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SUMMARY OF QUANTITIES

	SUMMARY				RURAL 0040
	CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE
	70301000	WORKZONE PAVEMENT MARKING REMOVAL	SQ FT	782	782
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	412.5	412.5
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	387.5	387.5
	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5884	5884
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	306	306
*	A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	8	8
*	B2001114	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6
*	B2004114	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6
*	C2001748	SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 4' HIEGHT, BALLEDAND BURLAPPED	EACH	6	6
	Z0005400	BREAKER-RUN CRUSHED STONE	TON	151	151
Δ	Z0010500	CLEANING CULVERTS	L SUM	1	1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
	Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	1	1
	Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	61	61
	Z0028700	GRANULAR SUBGRADE REPLACEMENT	CU YD	14	14
	Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
	Z0030350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
	Z0062456	TEMPORARY PAVEMENT	SQ YD	79	79
	Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	457	457
	X0300015	CONCRETE WINGWALL REMOVAL	EACH	3	3
	X5121800	PERMANENT STEEL SHEET PILING	SQ FT	335	335

* SPECIAL ITEMS

Δ NON-PARTICIPATING (100% STATE)

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

GENERAL NOTES

See cross sections for special ditches and backslopes.

The removal of Bituminous Surfacing less than 6 inch thickness not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION.

The final top 4" of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

It is estimated that 510 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

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.

Fertilizer Nutrients shall be applied at the rate specified in Sections 250 and 252 of the Standard Specifications. This shall be included in the cost of the SEEDING.

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.

Except for the top 3", all aggregate bases and subbases 12" in thickness shall be constructed of aggregate gradation CA-2. If the specified thickness exceeds 12", the bases or subbases shall be constructed of topsize 6" breaker-run crushed stone with 70% to 90% by weight, passing the 4" sieve and 15% to 40% by weight, passing the 2" size sieve, except for the top 3". The breaker-run crushed stone shall be reasonably uniformly graded from coarse to fine and be taken from a quarry ledge capable of producing Class "D" quality aggregate. The top 3" shall be gradation CA-6 or CA-10 regardless of thickness. The water necessary to achieve compaction in all but the top 3" layer may be added after the subbase or base course is placed on the grade.

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 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 following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Top Shoulder	Bottom Shoulder
PG:	PG 58-22	PG 58-22
Design Air Voids	3 @ N50	2 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	BAM or IL 19.0
Friction Aggregate	C	
Mix Unit Weight	112 lbs/yd^2/in	

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 Square Yard for HOT-MIX ASPHALT SHOULDERS, 6½" 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 new number for this structure will be SN 098-1067 (Sta. 1281+24).

This structure will retain the same number SN 098-1020 (Sta. 1334+42) and SN 098-1021 (Sta. 1503+73).

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 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.

Box culverts that are stage constructed and undercut by more than 2' 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.

It is anticipated that 1 mailbox will require relocation to the approach side of the entrances. When this is done, the contractor shall be required to mount the mailbox on a 4" x 4" wood post 40" above the shoulder surface and extending to a minimum of 24" into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 1 mailbox to be relocated.

The cost of making sewer connections to existing drainage structures shall be included in the various contract unit prices for STORM SEWER.

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 150 mm (6") for Pipe Drains and 200 mm (8") for Storm Sewer, but the size must be at least 50 mm (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.

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.

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

1. All words, such as ONLY, shall be 8' high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8", not 7" as shown in the detail of Typical Lane and Edge Lines.

GENERAL NOTES

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 3 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. The bottom of the marker shall be 5'-0" below the ground surface.

The temporary concrete barrier shall be anchored to the pavement with 6 anchors per section at the following locations:

Rt. Sta. 1279+17 to 1283+29 – Stage 1
Lt. Sta. 1279+17 to 1283+29 – Stage 2

Tree planting layout shall be performed by the District Landscape Architect. 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.

Aggregate Base Course, Type B, is provided in the plan quantities and shall be used only as needed when directed by the Engineer.

Right-of-way markers will be erected 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 300 mm (12 inches) inside the new right-of-way line. The markers shall be installed per Highway Standard 666001. Method of installation shall be determined by the Resident 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:

AT&T (309/757-4707)
NICOR Gas Co. (630/983-8676)
US Sprint (847/318-3193)
Commonwealth Edison Co. (815/490-2869)
Frontier/Citizens (815/493-1101)
Lightcore (636/887-4755)

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.

Temporary Impact Attenuators that have been furnished and placed could be relocated on the same project. The attenuators relocated, from one stage to another, from the project to an offsite location, or from the offsite location back to the project, will be paid for at the contract unit price per Each for IMPACT ATTENUATORS RELOCATE of the particular type specified.

Temporary Concrete Barrier that has been furnished and placed could be relocated on the same project. The Temporary Concrete Barrier relocated, from one stage to another, from the project to an offsite location, or from the offsite location back to the project, will be paid for at the contract unit price per Foot for RELOCATE TEMPORARY CONCRETE BARRIER.

FILE NAME = 64F23.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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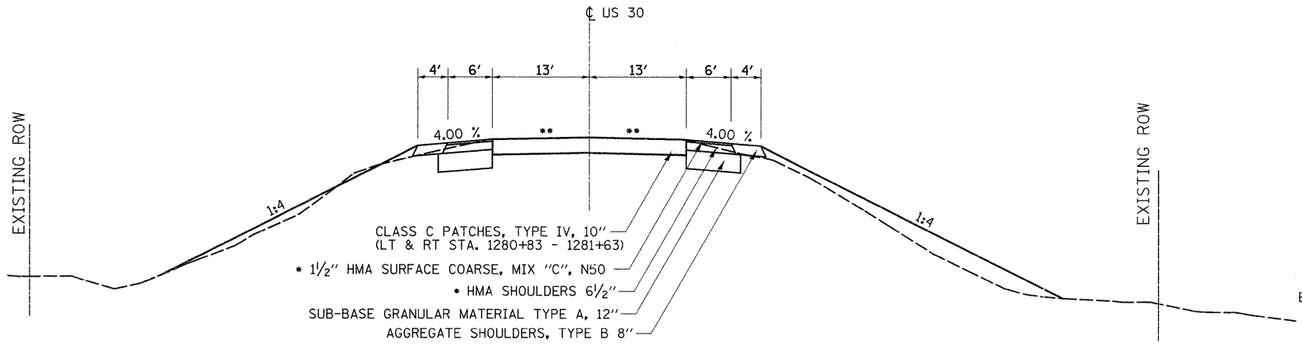
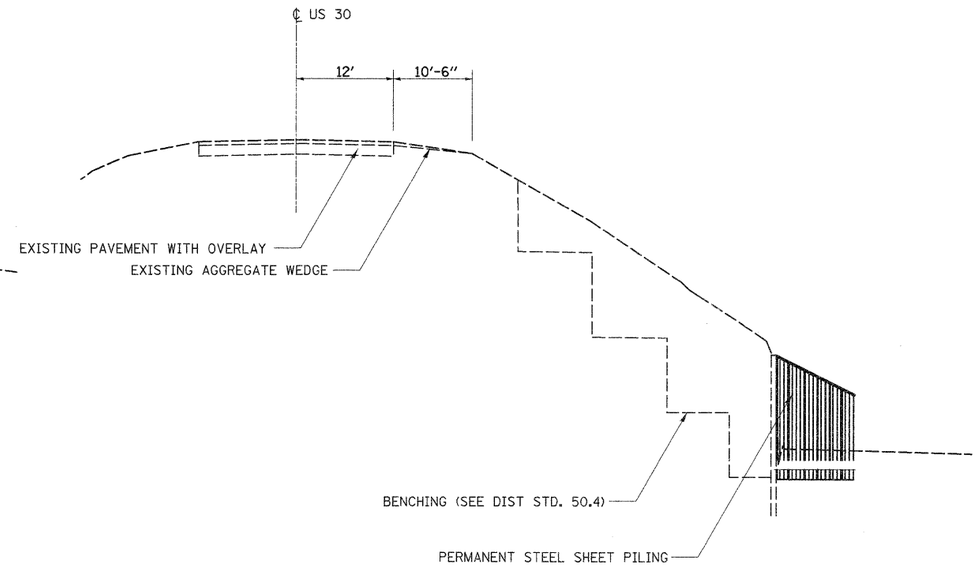
TYPICAL SECTIONS

EXISTING SN 098-1019
PROPOSED SN 098-1067

STA. 1278+32.95 LT - STA. 1283+45.00 LT
STA. 1279+04.50 RT - STA. 1283+45.00 RT

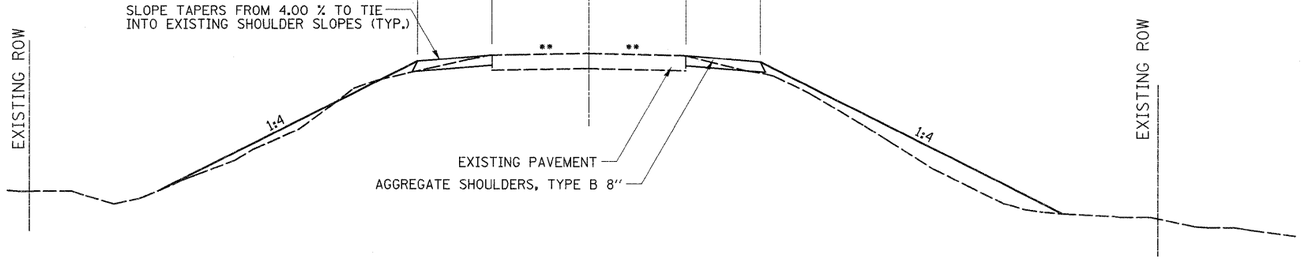


STA. 1333+35 - STA. 1335+60 (SN 098-1020)

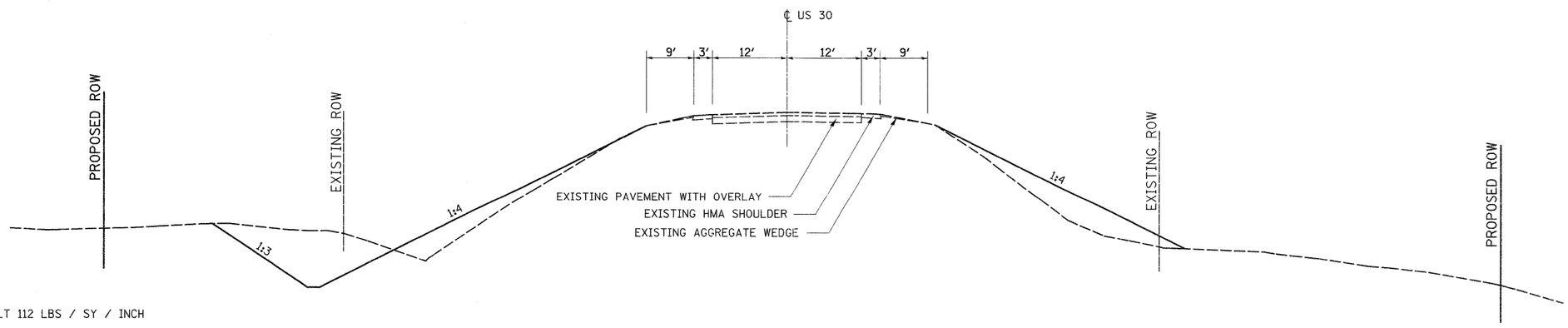


EXISTING SN 098-1019
PROPOSED SN 098-1067

STA. 1277+16 RT - STA. 1279+04.50 RT
STA. 1277+16 RT - STA. 1278+32.95 RT
STA. 1283+45.00 LT - STA. 1284+16.50 LT
STA. 1283+45.00 RT - STA. 1284+16.50 RT



STA. 1502+00 - STA. 1505+75 (SN 098-1021)



* HOT-MIX ASPHALT 112 LBS / SY / INCH

** MAINTAING EXISTING CROSS SLOPE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	8
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

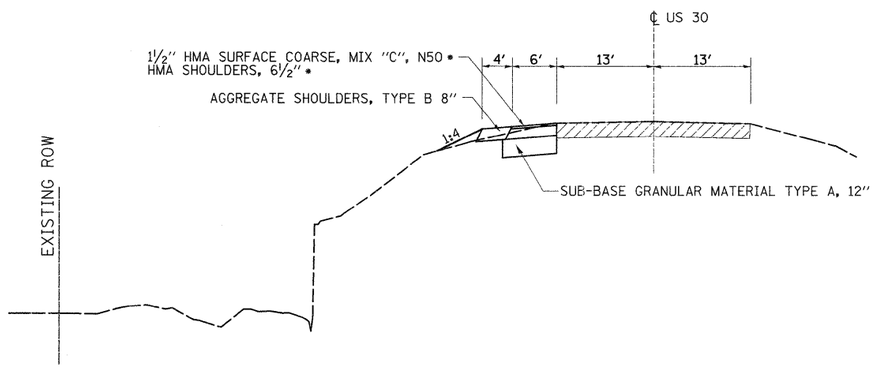
STAGING TYPICAL SECTIONS

10'x8' Cast–In–Place Box Culvert 0° Skew

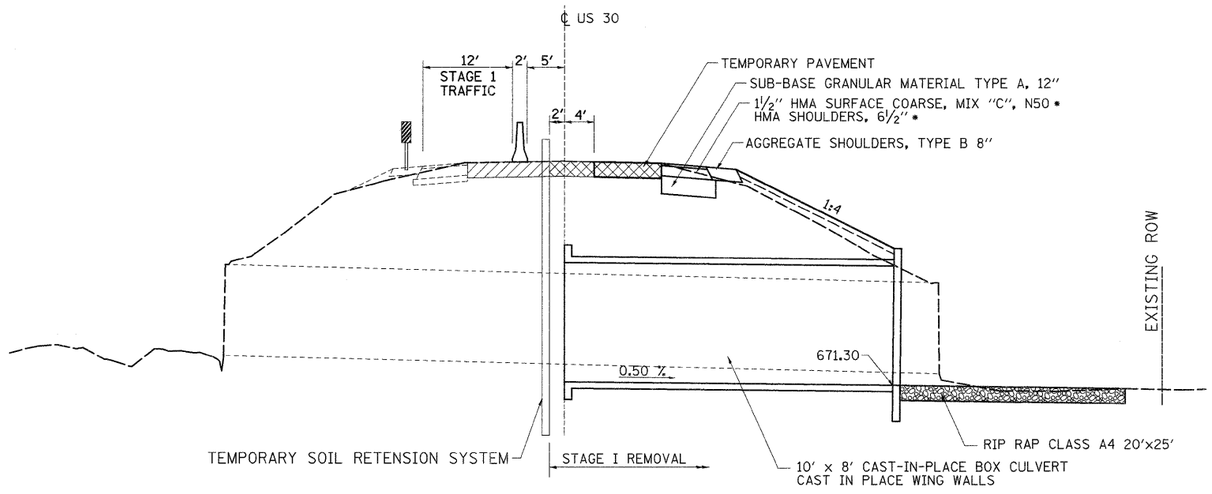
STA. 1281 + 22.49

PRE–STAGE 1

STA. 1278+32.92 - STA. 1283+45 LT



STAGE 1 CONSTRUCTION



= EXISTING

= REMOVAL

• HOT-MIX ASPHALT 112 LBS / SY / INCH

•• MAINTAING EXISTING CROSS SLOPE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS

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

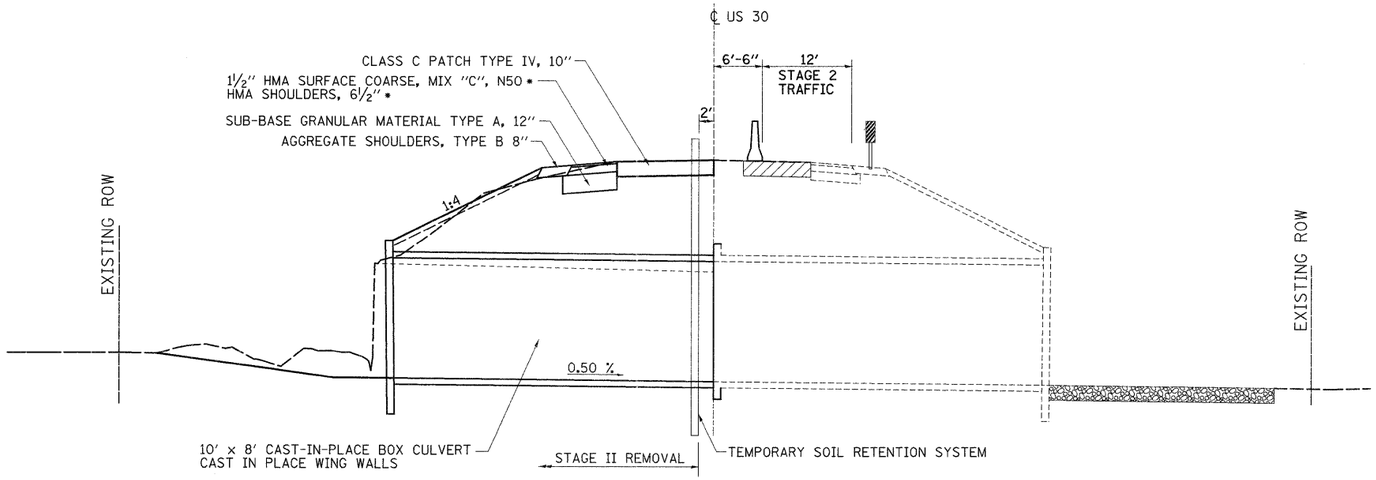
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	9
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

STAGING TYPICAL SECTIONS

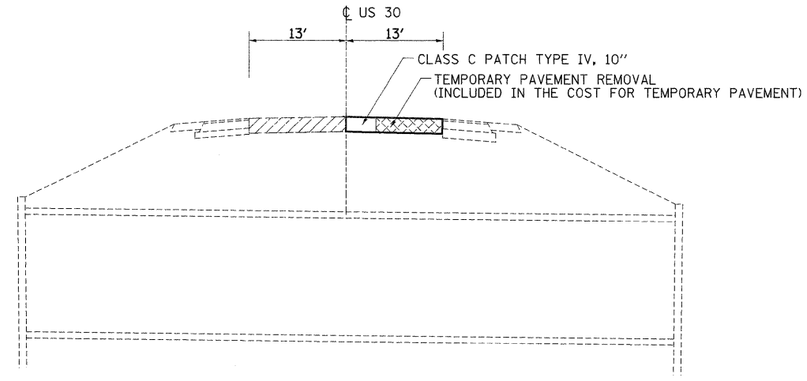
10'x8' Cast–In–Place Box Culvert 0° Skew

STA. 1281 + 22.49

STAGE 2 CONSTRUCTION



STAGE 3 CONSTRUCTION



= EXISTING

= REMOVAL

* HOT-MIX ASPHALT 112 LBS / SY / INCH

** MAINTAINING EXISTING CROSS SLOPE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL SECTIONS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	10
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION	REMARKS
SN 098-1020		
8.4	1333 + 65 @ 60' RT	
7.4	1333 + 68 @ 58' RT	
12.1	1333 + 71 @ 67' RT	
8.4	1333 + 86 @ 62' RT	
11.5	1333 + 96 @ 64' RT	
6	1334 + 6 @ 67' RT	
6	1334 + 55 @ 76' RT	
9	1334 + 55 @ 76' RT	
9.2	1334 + 55 @ 76' RT	
7.1	1334 + 57 @ 70' RT	
6	1334 + 57 @ 70' RT	
91.1	SUB TOTAL	
SN 098-1021		
7.9	1503 + 59 @ 100' LT	
7.7	1503 + 62 @ 80' LT	
10.6	1503 + 62 @ 96' LT	
7.4	1503 + 73 @ 75' LT	
10.6	1503 + 83 @ 60' RT	
7.5	1503 + 92 @ 80' LT	
7.1	1503 + 94 @ 72' RT	
13	1503 + 95 @ 68' RT	
12	1503 + 95 @ 73' RT	
6.5	1503 + 95 @ 73' RT	
8.3	1503 + 99 @ 77' RT	
13	1504 + 3 @ 77' RT	
12.8	1504 + 3 @ 77' RT	
124.4	SUB TOTAL	
215.5	TOTAL	

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION	REMARKS
25.4	1503 + 56 @ 58' RT	SN 098-1021
23.2	1503 + 87 @ 58' RT	SN 098-1021
48.6	TOTAL	

20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

CU YD	LOCATION	REMARKS
9.6	LT. STA. 1280 + 83 to 1280 + 93	Under concrete patch (10'x26') assumed 12' thick
9.6	LT. STA. 1281 + 53 to 1281 + 63	Under concrete patch (10'x26') assumed 12' thick
19.3	TOTAL (SEE STRUCTURE PLANS FOR ADDITIONAL QTY.)	

25100630 EROSION CONTROL BLANKET

SQ YD	LOCATION	REMARKS
249.8	LT. STA. 1278 + 16 to 1280 + 97	(281'L x 8'W)
249.8	TOTAL	

25100900 TURF REINFORCEMENT MAT

SQ YD	LOCATION	REMARKS
144.9	LT. STA. 1502 + 0 to 1503 + 63	(163'L x 8'W)
173.3	LT. STA. 1503 + 80 to 1505 + 75	(195'L x 8'W)
318.2	TOTAL	

28000305 TEMPORARY DITCH CHECKS

FOOT	LOCATION	REMARKS
13	1279 + 0 @ 40' LT	100' Spacing
13	1280 + 0 @ 45' LT	100' Spacing
13	1280 + 50 @ 49' LT	50' Spacing
13	1502 + 25 @ 55.6' LT	30' Spacing
13	1502 + 63 @ 67.3' LT	38' Spacing
13	1503 + 0 @ 74.0' LT	" "
13	1503 + 38 @ 79.6' LT	" "
13	1504 + 19 @ 71.0' LT	26' Spacing
13	1504 + 45 @ 64.8' LT	" "
13	1504 + 71 @ 57.9' LT	" "
13	1504 + 97 @ 51.0' LT	" "
13	1505 + 23 @ 44.7' LT	" "
13	1505 + 49 @ 38.6' LT	" "
169	TOTAL	

28000400 PERIMETER EROSION BARRIER

FOOT	LOCATION	REMARKS
405	RT. STA. 1277 + 16 to 1281 + 13	
170	RT. STA. 1281 + 33 to 1283 + 0	
113	LT. STA. 1280 + 0 to 1281 + 10	
148	LT. STA. 1281 + 35 to 1282 + 77	
106	LT. STA. 1283 + 6 to 1284 + 0	
123	RT. STA. 1333 + 35 to 1334 + 31	
132	RT. STA. 1334 + 51 to 1335 + 60	
132	RT. STA. 1502 + 50 to 1503 + 71	
132	RT. STA. 1503 + 94 to 1505 + 0	
1461	TOTAL	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	11
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

28000500 INLET AND PIPE PROTECTION

EACH		LOCATION	REMARKS
1	LT. STA.	1277 + 63	Entrance Pipe (CE)
1	LT. STA.	1281 + 24	SN 098-1019
1	LT. STA.	1283 + 16	Entrance Pipe (FE)
1	RT. STA.	1283 + 90	Entrance Pipe (FE)
1	LT. STA.	1334 + 42	SN 098-1020
1	LT. STA.	1503 + 73	SN 098-1021
6	TOTAL		

31100100 SUBBASE GRANULAR MATERIAL, TYPE A

TON		LOCATION	REMARKS
272.1	LT. STA.	1278 + 33 to 1283 + 45	runaround (Calc'd as 4" Thick)
234.4	RT. STA.	1279 + 5 to 1283 + 45	runaround (Calc'd as 4" Thick)
506.5	TOTAL		

35101400 AGGREGATE BASE COURSE, TYPE B

TON		LOCATION	REMARKS
49.5	LT. STA.	1277 + 91	CE w/ MB Turnout (Calc'd as 8" Thick)
61.4	LT. STA.	1282 + 92	FE (Calc'd as 8" Thick)
34.0	LT. STA.	1283 + 72	FE (Calc'd as 8" Thick)
145.0	TOTAL		

40603310 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

TON		LOCATION	REMARKS
27.5	LT. STA.	1278 + 33 to 1283 + 45	Pre-Stage 1 - Shoulder
30.3	RT. STA.	1279 + 5 to 1283 + 45	Stage 1 - shoulder
4.5	LT. STA.	1280 + 83 to 1281 + 63	Stage 2 - shoulder in patch area
62.3	TOTAL		

40800050 INCIDENTAL HOT-MIX ASPHALT SURFACING

TON		LOCATION	REMARKS
15.2	LT. STA.	1277 + 91	CE w/ MB Turnout
15.2	TOTAL		

44201359 CLASS C PATCHES, TYPE IV, 10 INCH

SQ YD		LOCATION	REMARKS
115.6	LT. STA.	1280 + 83 to 1281 + 63	Stage 2 - 13' wide
115.6	LT/RT	1280 + 83 to 1281 + 63	Stage 3 - 13' wide
231.1	TOTAL		

44213200 SAW CUTS

FOOT		LOCATION	REMARKS
512	LT. STA.	1278 + 33 to 1283 + 45	To be used at the RE's discretion
441	LT. STA.	1279 + 5 to 1283 + 45	To be used at the RE's discretion
953	TOTAL		

48101200 AGGREGATE SHOULDERS, TYPE B

TON		LOCATION	REMARKS
9.3	LT. STA.	1277 + 16 to 1277 + 75	
40.1	LT. STA.	1278 + 7 to 1282 + 95	
16.1	LT. STA.	1283 + 14 to 1284 + 16	
27.6	RT. STA.	1277 + 16 to 1278 + 26	
20.2	RT. STA.	1278 + 26 to 1279 + 54	
28.0	RT. STA.	1279 + 54 to 1282 + 95	
24.9	RT. STA.	1282 + 95 to 1284 + 16	
16.2	LT. STA.	1280 + 83 to 1281 + 63	
20.0	LT/RT	1334 + 42	SN 098-1020, to be used as needed by R.E.
20.0	LT/RT	1503 + 73	SN 098-1021, to be used as needed by R.E.
222.5	TOTAL		

48203023 HOT-MIX ASPHALT SHOULDERS, 6 1/2"

SQ YD		LOCATION	REMARKS
327.8	LT. STA.	1278 + 33 to 1283 + 45	Pre-Stage 1
293.7	RT. STA.	1279 + 5 to 1283 + 45	Stage 1
53.3	LT. STA.	1280 + 83 to 1281 + 63	Stage 2
347.0	TOTAL		

50104400 CONCRETE HEADWALL REMOVAL

EACH		LOCATION	REMARKS
1	LT. STA.	1278 + 48	Existing Ditch Culvert (15" RCP)
1	LT. STA.	1279 + 98	Existing Ditch Culvert (15" RCP)
2	TOTAL		

50105220 PIPE CULVERT REMOVAL

FOOT		LOCATION	REMARKS
151	LT. STA.	1278 + 48 to 1279 + 98	Existing Ditch Culvert (15" RCP)
151	TOTAL		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	12
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

542D0220 PIPE CULVERTS, CLASS D, TYPE 15"

FOOT		LOCATION	REMARKS
50	LT. STA.	1277 + 91	CE
50	LT. STA.	1282 + 92	FE
36	LT. STA.	1283 + 72	FE
136	TOTAL		

54213450 END SECTIONS 15"

EACH		LOCATION	REMARKS
1	LT. STA.	1277 + 63	End Sections for CE
1	LT. STA.	1278 + 19	End Sections for CE
1	LT. STA.	1282 + 67	End Sections for FE
1	LT. STA.	1283 + 17	End Sections for FE
1	RT. STA.	1283 + 54	End Sections for FE
1	RT. STA.	1283 + 90	End Sections for FE
6	TOTAL		

60100935 PIPE DRAINS 10"

FOOT		LOCATION	REMARKS
40	LT. STA.	1503 + 73	Contigiency
40	TOTAL		

61100500 EXPLORATION TRENCH 52" DEPTH

FOOT		LOCATION	REMARKS
10	C.L.	1503 + 73	
10	TOTAL		

61133100 FIELD TILE JUCTION VAULT, 2' DIA.

EACH		LOCATION	REMARKS
1	LT. STA.	1503 + 73	Contigiency
1	TOTAL		

63500105 DELINEATORS

EACH		LOCATION	REMARKS
1	LT. STA.	1281 + 24	Marking Edges of Wingwalls
1	RT. STA.	1281 + 24	Marking Edges of Wingwalls
1	RT. STA.	1334 + 42	Marking Edges of Wingwalls
1	LT. STA.	1503 + 73	Marking Edges of Wingwalls
1	RT. STA.	1503 + 73	Marking Edges of Wingwalls
5	TOTAL		

66600105 FURNISHING AND ERECTING RIGHT OF WAY MARKERS

EACH	LOCATION	REMARKS
1	1277 + 74 @ 50.0' LT	
1	1279 + 0 @ 70.0' LT	
1	1279 + 7 @ 60.0' RT	
1	1280 + 22 @ 75.0' LT	
1	1280 + 23 @ 80.0' RT	
1	1281 + 18 @ 80.0' RT	
1	1282 + 50 @ 75.0' RT	
1	1283 + 0 @ 60.0' RT	
1	1502 + 0 @ 74.23' LT	
1	1503 + 0 @ 80.0' RT	
1	1503 + 25 @ 110.0' LT	
1	1503 + 50 @ 115.0' RT	
1	1504 + 25 @ 110.0' LT	
1	1504 + 25 @ 115.0' RT	
1	1505 + 0 @ 60.0' RT	
1	1505 + 78 @ 70.0' LT	
16	TOTAL	

66700305 PERMANENT SURVEY MARKERS, TYPE II

EACH	LOCATION
1	1 at SN 098-1019, location determined by R.E.
2	2 at SN 098-1021, location determined by R.E.
3	TOTAL

70106500 TEMPORARY BRIDGE TRAFFIC SIGNALS

EACH		LOCATION	REMARKS
1	C.L.	1281 + 24	Stage 1 (For AR Culvert 10'x8' CIP)
1	TOTAL		

70106700 TEMPORARY RUMBLE STRIPS

EACH		LOCATION	REMARKS
1	RT	1270 + 46	For AR Culvert 10'x8' CIP
1	RT	1265 + 46	For AR Culvert 10'x8' CIP
1	RT	1260 + 46	For AR Culvert 10'x8' CIP
1	LT	1292 + 6	For AR Culvert 10'x8' CIP
1	LT	1297 + 6	For AR Culvert 10'x8' CIP
1	LT	1302 + 6	For AR Culvert 10'x8' CIP
6	TOTAL		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	13
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

SCHEDULE OF QUANTITIES

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"

FOOT		LOCATION			REMARKS
695	LT/RT	1277 + 65	to	1284 + 58	Stage 1 Edge Line
412	LT	1279 + 34	to	1283 + 44	Stage 1 Edge Line
688	LT/RT	1277 + 94	to	1284 + 80	Stage 2 Edge Line
416	RT	1279 + 6	to	1283 + 20	Stage 2 Edge Line
2211	TOTAL				

70300280 TEMPORARY PAVEMENT MARKING - LINE 24"

FOOT		LOCATION	REMARKS
13	RT. STA.	1277 + 46	Stop Bar Stage 1
13	LT. STA.	1285 + 6	Stop Bar Stage 1
26	TOTAL		

70301000 WORKZONE PAVEMENT MARKING REMOVAL

SQ. FT.		LOCATION			REMARKS
26	RT. STA.	1277 + 46			Removal of Stage 2 Stop Bar
26	LT. STA.	1285 + 6			Removal of Stage 2 Stop Bar
229.4	LT/RT	1277 + 65	to	1284 + 58	Removal of Stage 1 Edge Line
136.0	LT	1279 + 34	to	1283 + 44	Removal of Stage 1 Edge Line
227.0	LT/RT	1277 + 94	to	1284 + 80	Removal of Stage 2 Edge Line
137.3	RT	1279 + 6	to	1283 + 20	Removal of Stage 2 Edge Line
781.6	TOTAL				

70400100 TEMPORARY CONCRETE BARRIER

FOOT		LOCATION			REMARKS
137.5	RT/LT	1279 + 15	to	1280 + 54	Stage 1
137.5	LT	1280 + 54	to	1281 + 94	Stage 1
137.5	LT/RT	1281 + 94	to	1283 + 33	Stage 1
412.5	TOTAL				

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

FOOT		LOCATION			REMARKS
125	LT/RT	1279 + 28	to	1280 + 54	Stage 2
137.5	RT	1280 + 54	to	1281 + 94	Stage 2
125	RT/LT	1281 + 94	to	1283 + 20	Stage 2
387.5	TOTAL				

78001110 PAINT PAVEMENT MARKING - LINE 4"

FOOT		LOCATION			REMARKS
360 **	C.L.	1277 + 16	to	1284 + 17	Centerline Skips - Stage 3 (Qty. 18)
1402 **	LT. STA.	1277 + 16	to	1284 + 17	Edge Line - Stage 3
1402 **	RT. STA.	1277 + 16	to	1284 + 17	Edge Line - Stage 3
120 **	C.L.	1333 + 35	to	1335 + 60	Centerline Skips - Stage 3 (Qty. 6)
450 **	LT. STA.	1333 + 35	to	1335 + 60	Edge Line - Stage 3
450 **	RT. STA.	1333 + 35	to	1335 + 60	Edge Line - Stage 3
200 **	C.L.	1502 + 0	to	1505 + 75	Centerline Skips - Stage 3 (Qty. 10)
750 **	LT. STA.	1502 + 0	to	1505 + 75	Edge Line - Stage 3
750 **	RT. STA.	1502 + 0	to	1505 + 75	Edge Line - Stage 3
5884	TOTAL				

** (Quantities figured on 2 Applications)

78300100 PAVEMENT MARKING REMOVAL

SQ. FT.		LOCATION			REMARKS
21.2	C.L.	1277 + 46	to	1280 + 0	Removal of Skip Dashes Stage 1 (Qty. 6)
21.3	C.L.	1282 + 50	to	1285 + 6	Removal of Skip Dashes Stage 1 (Qty. 6)
132.7	LT. STA.	1279 + 34	to	1283 + 32	Removal of Edge Line Stage 1
130.3	RT. STA.	1279 + 15	to	1283 + 6	Removal of Edge Line Stage 2
305.5	TOTAL				

A2006514 TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED

EACH	LOCATION
8.0	TO BE DETERMINED BY THE LANDSCAPE ARCHITECT
8.0	TOTAL

B2001114 TREE, CERCIS CANADENSIS (EASTERN REDBUD), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED

EACH	LOCATION
6.0	TO BE DETERMINED BY THE LANDSCAPE ARCHITECT
6.0	TOTAL

B2004114 TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED

EACH	LOCATION
6.0	TO BE DETERMINED BY THE LANDSCAPE ARCHITECT
6.0	TOTAL

C2001748 SHRUB, CORNUS SERICEA CARDINAL (CARDINAL REDOSIER DOGWOOD), 4' HIEGHT, BALLEDAND BURLAPPED

EACH	LOCATION
6.0	TO BE DETERMINED BY THE LANDSCAPE ARCHITECT
6.0	TOTAL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	14
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

Z0010500 CLEANING CULVERTS

L SUM		LOCATION	REMARKS
1	C.L.	1334 + 42	Existing 10'x6' Box Culvert
1	TOTAL		

Z0025500 FURNISHING AND INSTALLING PROPERTY MARKERS

EACH		LOCATION	REMARKS
1	C.L.	0 + 0	Contingency item
1	TOTAL		

Z0028415 GEOTECHNICAL REINFORCEMENT

SQ YD		LOCATION	REMARKS
28.9	LT. STA.	1280 + 84 to 1280 + 94	10'x26'
31.8	LT. STA.	1281 + 53 to 1281 + 64	10'x26'
60.7	TOTAL		

Z0028700 GRANULAR SUBGRADE REPLACEMENT

CU YD		LOCATION	REMARKS
6.4	LT. STA.	1280 + 84 to 1280 + 94	10'x26'x 8" THICK
7.1	LT. STA.	1281 + 53 to 1281 + 64	10'x26'x 8" THICK
13.5	TOTAL		

Z0030250 IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3

EACH		LOCATION	REMARKS
1	RT. STA.	1279 + 14	Stage 1
1	RT. STA.	1283 + 34	Stage 1
2	TOTAL		

Z0030350 IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3

EACH		LOCATION	REMARKS
1	LT. STA.	1279 + 26	Stage 2
1	LT. STA.	1283 + 21	Stage 2
2	TOTAL		

Z0062456 TEMPORARY PAVEMENT

SQ YD		LOCATION	REMARKS
78.8	RT. STA.	1280 + 83 to 1281 + 63	Stage 1 (Patch)
78.8	TOTAL		

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		DRAWN -	REVISED -
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	PLOT DATE = Fri Jun 24 07:43:48 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	15
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

EARTHWORK SCHEDULE

LOCATION			20200100 EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (FILL) (CU YD)	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) (CU YD)	20400800 FURNISHED EXCAVATION (CU YD)	25000210 SEEDING, CLASS 2A (ACRE)	25000310 SEEDING, CLASS 4 (ACRE)	25100125 MULCH METHOD 3 (ACRE)	28000250 TEMPORARY EROSION CONTROL SEEDING (POUND)
1277+00	TO	1284+50	410.4	307.8	754.0	-446.2	446.2	0.57	0.07	0.57	413.0
1333+50	TO	1335+50	465.7	349.3	410.2	-60.9	60.9	0.13		0.13	91.0
1502+00	TO	1506+00	844.4	807.8	807.8	0.0	0.0	0.31	0.1	0.31	241.0
TOTALS			1720.5	1464.9	1972.0	-507.1	507.1	1.01	0.19	1.01	745.0

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	PLOT DATE = Fri Jun 24 07:43:48 2011	CHECKED -	REVISED -
		DATE -	REVISED -

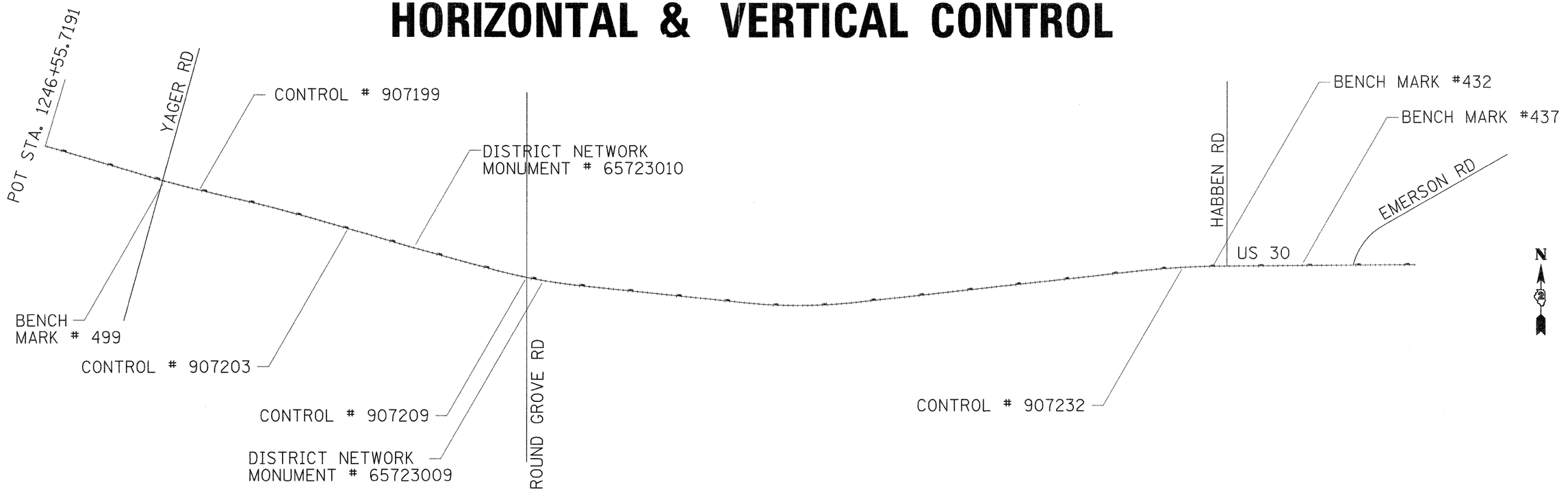
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE

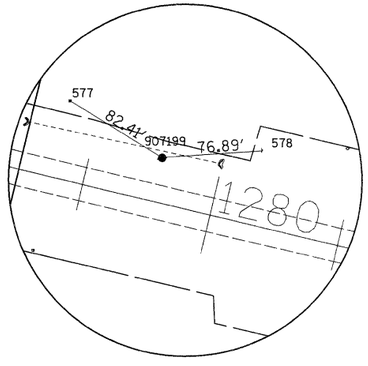
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	16
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

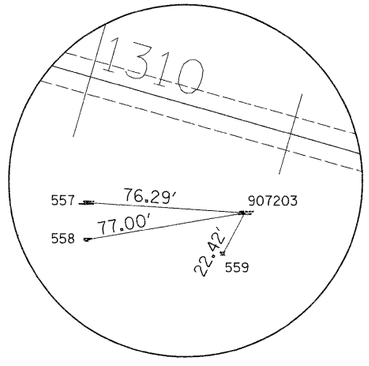
HORIZONTAL & VERTICAL CONTROL



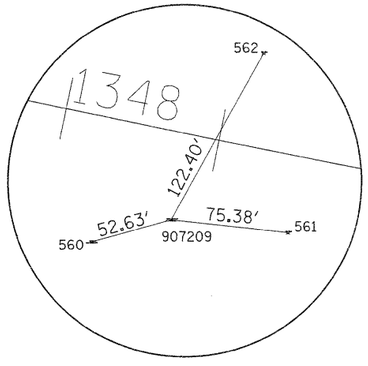
CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
08609US30	390	390	391	392	393
08609US30	1200	1200	1201	1202	1203
08609US30	1210	1210	1211	1212	1213
08609US30	1220	1220	1221	1222	1223
08609US30	1230	1230	1231	1232	1233
08609US30	1240	1240	1241	1242	1243



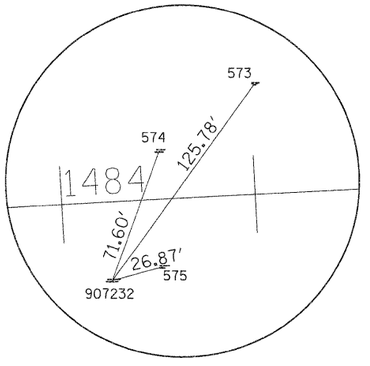
HORIZONTAL CONTROL
POINT NO. 907199



HORIZONTAL CONTROL
POINT NO. 907203



HORIZONTAL CONTROL
POINT NO. 907209



HORIZONTAL CONTROL
POINT NO. 907232

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL CONTROL SHEETS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	29T	WHITESIDE	74	17
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

HORIZONTAL & VERTICAL CONTROL

Chain 08609US30 contains:
383 CUR 390 CUR 1200 CUR 1210 CUR 1220 CUR 1230 CUR 1240 1252

Beginning chain 08609US30 description
==========

Point 383 N 1,869,006.8369 E 2,367,005.2084 Sta 1246+55.7191

Course from 383 to PC 390 106° 34′ 43.4700″ Dist 2,167.7319′

Curve Data

Curve 390
P.I. Station 1273+65.2953 N 1,868,233.7060 E 2,369,602.1435
Delta = 3° 11′ 12.9247″ (LT)
Degree = 0° 17′ 38.9651″
Tangent = 541.8443′
Length = 1,083.4091′
Radius = 19,477.9604′
External = 7.5351′
Long Chord = 1,083.2695′
Mid. Ord. = 7.5322′
P.C. Station 1268+23.4510 N 1,868,388.3119 E 2,369,082.8245
P.T. Station 1279+06.8601 N 1,868,108.2100 E 2,370,129.2544
C.C. N 1,887,056.5444 E 2,374,640.5251

Course from PT 390 to PC 1200 103° 23′ 30.5453″ Dist 1,004.6242′

Curve Data

Curve 1200
P.I. Station 1296+57.7845 N 1,867,702.6802 E 2,371,832.5694
Delta = 2° 30′ 40.9990″ (RT)
Degree = 0° 10′ 05.8183″
Tangent = 746.3002′
Length = 1,492.3614′
Radius = 34,047.3042′
External = 8.1783′
Long Chord = 1,492.2420′
Mid. Ord. = 8.1763′
P.C. Station 1289+11.4843 N 1,867,875.5300 E 2,371,106.5618
P.T. Station 1304+03.8458 N 1,867,498.1842 E 2,372,550.3057
C.C. N 1,834,754.0073 E 2,363,220.9002

Course from PT 1200 to PC 1210 105° 54′ 11.5443″ Dist 1,685.9537′

Curve Data

Curve 1210
P.I. Station 1325+59.1148 N 1,866,907.6123 E 2,374,623.0839
Delta = 0° 44′ 30.2175″ (LT)
Degree = 0° 04′ 44.4841″
Tangent = 469.3153′
Length = 938.6175′
Radius = 72,504.8673′
External = 1.5189′
Long Chord = 938.6110′
Mid. Ord. = 1.5189′
P.C. Station 1320+89.7995 N 1,867,036.2109 E 2,374,171.7311
P.T. Station 1330+28.4170 N 1,866,784.8675 E 2,375,076.0635
C.C. N 1,936,766.0251 E 2,394,039.0106

Course from PT 1210 to PC 1220 105° 09′ 41.3269″ Dist 1,124.5723′

Curve Data

Curve 1220
P.I. Station 1350+92.4006 N 1,866,245.0525 E 2,377,068.2051
Delta = 9° 17′ 40.7578″ (LT)
Degree = 0° 29′ 44.8587″
Tangent = 939.4114′
Length = 1,874.7007′
Radius = 11,556.3661′
External = 38.1193′
Long Chord = 1,872.6457′
Mid. Ord. = 37.9940′
P.C. Station 1341+52.9893 N 1,866,490.7464 E 2,376,161.4923
P.T. Station 1360+27.6899 N 1,866,149.0291 E 2,378,002.6960
C.C. N 1,877,644.8649 E 2,379,183.9481

Course from PT 1220 to PC 1230 95° 52′ 00.5691″ Dist 3,304.1083′

Curve Data

Curve 1230
P.I. Station 1405+52.3850 N 1,865,686.5303 E 2,382,503.6915
Delta = 12° 12′ 25.9655″ (LT)
Degree = 0° 30′ 07.0391″
Tangent = 1,220.5867′
Length = 2,431.9321′
Radius = 11,414.5179′
External = 65.0749′
Long Chord = 2,427.3351′
Mid. Ord. = 64.7060′
P.C. Station 1393+31.7982 N 1,865,811.2945 E 2,381,289.4980
P.T. Station 1417+63.7304 N 1,865,821.3257 E 2,383,716.8123
C.C. N 1,877,166.0250 E 2,382,456.2508

Course from PT 1230 to PC 1240 83° 39′ 34.6035″ Dist 5,723.4277′

Curve Data

Curve 1240
P.I. Station 1483+63.1704 N 1,866,550.1344 E 2,390,275.8860
Delta = 5° 46′ 04.4054″ (RT)
Degree = 0° 19′ 46.1681″
Tangent = 876.0124′
Length = 1,750.5449′
Radius = 17,389.1709′
External = 22.0514′
Long Chord = 1,749.8058′
Mid. Ord. = 22.0235′
P.C. Station 1474+87.1581 N 1,866,453.3920 E 2,389,405.2318
P.T. Station 1492+37.7029 N 1,866,558.8873 E 2,391,151.8546
C.C. N 1,849,170.5844 E 2,391,325.6037

Course from PT 1240 to 1252 89° 25′ 39.0090″ Dist 3,989.6068′

Point 1252 N 1,866,598.7507 E 2,395,141.2622 Sta 1532+27.3097

==========
Ending chain 08609US30 description

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		DRAWN -	REVISED -			309	29T	WHITESIDE	74	18
	PLOT SCALE = 50.0000 ′ / in.	CHECKED -	REVISED -					CONTRACT NO. 64F23		
	PLOT DATE = Fri Jun 24 07:43:57 2011	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

HORIZONTAL & VERTICAL CONTROL

REFERENCE TIES

POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
500	1868229.2222	2369418.2543	08609US30	1271+89.2209	60.2118' RT	R.O.W. MARKER
557	1867274.4539	2373121.6355	08609US30	1310+14.6135	58.6154' RT	TELEPHONE SPLICE BOX
558	1867256.6794	2373121.8498	08609US30	1310+19.6901	75.6509' RT	POWER POLE
559	1867249.7530	2373187.2277	08609US30	1310+84.4636	64.3978' RT	LIGHT POLE
560	1866253.7490	2376806.8009	08609US30	1348+33.4974	80.1433' RT	R.O.W. MARKER
561	1866259.6906	2376932.4952	08609US30	1349+54.8120	49.2891' RT	LIGHT POLE
562	1866374.7556	2376916.9080	08609US30	1349+17.0007	60.5045' LT	LIGHT POLE
573	1866592.8749	2390414.2040	08609US30	1485+02.6162	56.9419' LT	POWER POLE
574	1866558.1453	2390364.9543	08609US30	1484+51.6923	24.9073' LT	PIPE CULVERT
575	1866497.9001	2390366.7045	08609US30	1484+50.1132	35.3427' RT	HEADWALL
576	1866560.3633	2394171.9231	08609US30	1522+57.6354	28.7' RT	SIGN
577	1868173.5688	2370113.1639	08609US30	1278+75.9746	59.8305' LT	R.O.W. MARKER
578	1868135.9710	2370259.6260	08609US30	1280+27.2571	57.2014' LT	WARNING SIGN

BENCH MARKS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
403	1867249.6969	2373187.1349	702.3341	08609US30	1310+84.3897	64.4771' RT	LIGHT POLE
432	1866590.6585	2390996.2136	689.6129	08609US30	1490+82.6884	34.017' LT	CHISELED SQUARE
437	1866640.0117	2392834.5407	681.5722	08609US30	1509+21.1156	64.3073' LT	SHINER
499	1868229.2222	2369418.2543	681.5065	08609US30	1271+89.2209	60.2118' RT	R.O.W. MARKER

SURVEY WORK POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1866630.6800	2375464.1420	674.7200	08609US30	1334+43.3137	47.3224' RT	SURVEY WORK POINT, NAIL
101	1866591.8980	2375655.5990	679.6880	08609US30	1336+38.2496	34.6808' RT	SURVEY WORK POINT, NAIL
102	1866600.3350	2392270.8330	674.9750	08609US30	1503+57.0396	30.265' LT	SURVEY WORK POINT, NAIL
103	1866591.0490	2392072.7430	679.5990	08609US30	1501+58.8667	22.9587' LT	SURVEY WORK POINT, NAIL
104	1868147.1527	2369880.9278	683.7931	08609US30	1276+56.5324	21.2412' RT	TOPO SURVEY POINT
105	1868029.5162	2370374.6731	685.7435	08609US30	1281+63.8318	19.7128' RT	TOPO SURVEY POINT

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
907199	1868129.7589	2370182.9647	682.1022	08609US30	1279+54.1191	33.4028' LT	GPS CONTROL POINT
907203	1867269.5400	2373197.7660	700.9280	08609US30	1310+89.1767	42.4805' RT	GPS CONTROL POINT, PIN
907208	1865515.3571	2376878.6762	706.9435	08609US30	1350+40.5511	790.2625' RT	GPS CONTROL POINT
907209	1866267.7170	2376857.5410	712.0290	08609US30	1348+80.0876	56.1988' RT	GPS CONTROL POINT, PIN
907232	1866490.7390	2390340.8010	693.9190	08609US30	1484+23.7915	41.0416' RT	GPS CONTROL POINT, PIN
907237	1866546.7947	2394133.7824	653.8206	08609US30	1522+19.3611	41.8868' RT	GPS CONTROL POINT
65723009	1866200.9200	2377203.2050	716.0308	08609US30	1352+30.4297	57.7296' RT	DISTRICT NETWORK MONUMENT
65723010	1866990.2500	2374606.7800	697.5532	08609US30	1325+21.2324	73.725' LT	DISTRICT NETWORK MONUMENT

APPARENT PROPERTY CORNERS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	1866798.5490	2374741.6930	698.0880	08609US30	1327+02.4428	74.9796' RT	R.O.W. MARKER
701	1866412.0560	2376182.5450	695.4420	08609US30	1341+93.6419	70.5172' RT	R.O.W. MARKER
702	1866612.4980	2375383.8170	672.5500	08609US30	1333+70.5399	85.8798' RT	R.O.W. MARKER
703	1866509.9060	2392263.9060	667.2570	08609US30	1503+49.2094	60.0903' RT	755 R.O.W. MARKER, BROKEN
751	1867285.7600	2373080.2184	702.1529	08609US30	1309+71.6836	59.0908' RT	R.O.W. MARKER
752	1866412.0182	2376182.5904	695.3576	08609US30	1341+93.6952	70.542' RT	R.O.W. MARKER
753	1866413.1094	2376180.9103	695.6598	08609US30	1341+91.8018	69.9217' RT	PROPERTY CORNER
755	1866253.4115	2376806.7856	714.6970	08609US30	1348+33.5509	80.4768' RT	R.O.W. MARKER
768	1866579.3745	2389956.3924	688.8053	08609US30	1480+46.5964	73.3807' LT	R.O.W. MARKER
769	1866580.0827	2389959.1034	689.7981	08609US30	1480+49.3429	73.8744' LT	PROPERTY CORNER
770	1866488.0399	2390465.8211	697.9130	08609US30	1485+48.8201	50.3852' RT	PROPERTY CORNER
800	1866855.1800	2375157.5020	688.5100	08609US30	1330+88.6313	89.1646' LT	R.O.W. MARKER, BACK
801	1866642.9070	2391607.3290	696.6860	08609US30	1496+93.9941	79.4645' LT	R.O.W. MARKER, BACK
802	1866642.9130	2391908.4990	684.4020	08609US30	1499+95.1491	76.4613' LT	755 R.O.W. MARKER, BROKEN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	29T	WHITESIDE	74	19
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

KENNETH B. TENBOER

STA. 1277+66 - 1278+16 38.50' LT
H = 681.33 TO 681.08
50' P CUL, CL D, T1, 15"
2 EA. END SECTIONS, 15"

1278+32.95
19.11 LT

1278+19.01
21.22 LT

1277+74.39
50.00 LT

1278+09.00
21.23 LT

1278+36.53
60.00 LT

1277+50.00
60.00 LT

PE+91

1277+50.00
50.72 LT

PROPOSED ROW

CONCRETE HEADWALL REMOVAL

EXISTING R.O.W.

CONSTRUCTION LIMITS

AGGREGATE SHOULDERS, TYPE B

IMPROVEMENT BEGINS
STA. 1277+16

12'

13'

13'

MATCHLINE STA. 1278+75

1273 1274 1275+00 US RTE 30 1276 1277 1278

1277+16.00
12.96 RT

1277+16.00
22.92 RT

EXISTING R.O.W.

MAILBOX TURNOUT TO BE REMOVED AND PAID FOR AS EARTH EXCAVATION. MAILBOX TO BE RELOCATED TO THE NORTH SIDE OF THE ROAD AT THE NEW TURNOUT.

AGGREGATE SHOULDERS, TYPE B

EXIST. CURVE 390
PI STA. = 1273+65.30
Δ = 3° 11' 13" (LT)
D = 0° 17' 39"
R = 19,477.96'
T = 541.84'
L = 1,083.41'
E = 7.54'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1268+23.45
P.T. STA. = 1279+06.86

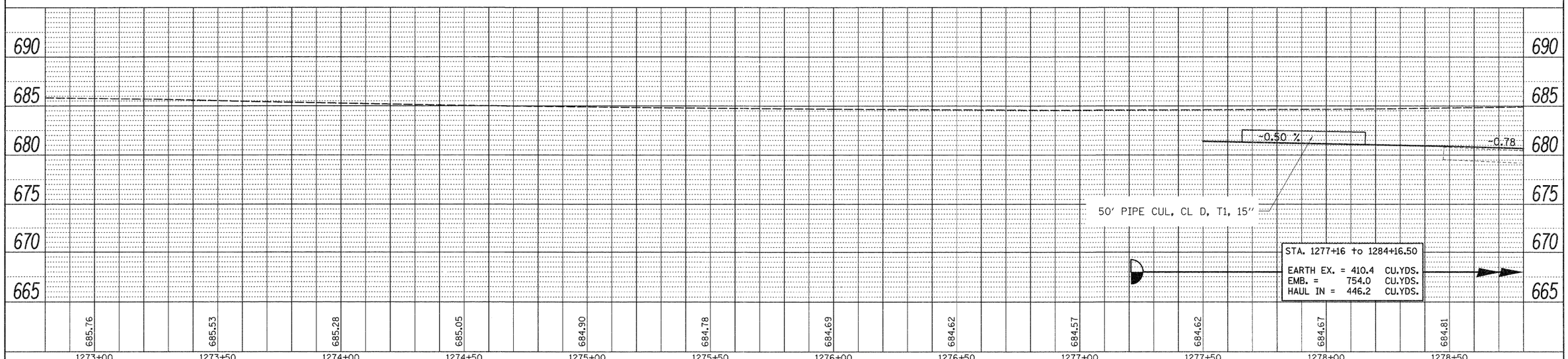
LEGEND

= PERIMETER EROSION BARRIER
= TEMPORARY DITCH CHECK
= EROSION CONTROL BLANKET
= TURF REINFORCEMENT MAT
= INLET AND PIPE PROTECTION
= ROADWAY DITCH FLOW

KENNETH B. TENBOER

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

PROFILE
SURVEYED
DATE
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 098-1019
PLAN & PROFILE SHEETS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	20
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

KENNETH B. TENBOER

PROPOSED SN 098-1067
STA. 1281+24.00
REMOVAL OF EXISTING STRUCTURES NO. 1
88' - 10x8 CIP CONCRETE BOX CULVERT
44' LT - 44' RT
℄ 671.73 - 671.30 0.49%
RIP-RAP CLASS A4 22' x 30' LT
RIP-RAP CLASS A4 24' x 24' RT
HMA SHOULDERS, 6 1/2"
1 1/2" HMA SURFACE COARSE, MIX "C", N50

CONCRETE HEADWALL REMOVAL

PIPE CULVERT REMOVAL

1279+00.00
70.00 LT

1280+21.78
75.00 LT

PROPOSED ROW

CONSTRUCTION LIMITS

EXISTING R.O.W.

EXISTING R.O.W.

AGGREGATE SHOULDERS, TYPE B

STA. 1282+67 - 1283+17 45' LT
℄ = 633.10 TO 631.67 = 2.86%
50' P CUL, CL D, T1, 15"
2 EA. END SECTIONS, 15"

FE+92

24'

CONSTRUCTION LIMITS

1283+45.00
19.20 LT

1283+45.00
13.20 LT

1284+16.50
23.39 LT

1284+16.50
13.22 LT

IMPROVEMENT ENDS
STA. 1284+16.50

1281+63.00
13.40 LT

MATCHLINE STA. 1278+75

13'

13'

1279

1280+00

1281

1282

US RTE 30

1283

1284

SECTION BEGINS
STA. 1280+83

SECTION ENDS
STA. 1281+63

1279+04.50
12.69 RT

1279+04.50
18.69 RT

CONSTRUCTION LIMITS

AGGREGATE SHOULDERS, TYPE B

HMA SHOULDERS, 6 1/2"
1 1/2" HMA SURFACE COARSE, MIX "C", N50

CLASS C PATCHES, TY IV, 10"

1283+45.00
13.11' RT

1283+45.00
19.20' RT

24'

FE+72.5

1284+16.50
13.06 RT

1284+16.50
23.04 RT

STA. 1283+54.50 - 1283+90.50 40' LT
℄ = 634.17 TO 632.70 = 4.38%
36' P CUL, CL D, T1, 15"
2 EA. END SECTIONS, 15"

EXISTING R.O.W.

PROPOSED ROW

PROPOSED ROW

EXIST. CURVE 390
PI STA. = 1273+65.30
△ = 3° 11' 13" (LT)
D = 0° 17' 39"
R = 19,477.96'
T = 541.84'
L = 1,083.41'
E = 7.54'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1268+23.45
P.T. STA. = 1279+06.86

1279+06.86
60.00 RT

1280+22.79
80.00 RT

1281+17.73
80.00 RT

1282+50.00
75.00 RT

WOVEN WIRE FENCE REMOVAL

1283+00.00
60.00 RT

LEGEND

= PERIMETER EROSION BARRIER
= TEMPORARY DITCH CHECK
= EROSION CONTROL BLANKET
= TURF REINFORCEMENT MAT
= INLET AND PIPE PROTECTION
= ROADWAY DITCH FLOW

Drainage Area =	395.0	acres		
Existing Low Grade Elevation:		684.56	ft. @	1276+91
Proposed Low Grade Elevation:		684.56	ft. @	1276+91

Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	243	678.05	676.18
Design	50	497	683.56	678.89
OVT (Existing)	62	531	684.56	-
Base	100	655	-	680.56
OVT (Proposed)	269	975	-	684.56

10-Year Velocit 13.8 fps
10-Year Velocit 10.5 fps

KENNETH B. TENBOER

690
685
680
675
670
665

CLASS C PATCHES, TYPE IV, 10"

+83

+63

LEFT SIDE DITCH PROFILE

-0.78 %

-3.40 %

-5.30 %

-21.35 %

1:1.5

1:1.5

2.86 %

4.38 %

GRANULAR SUB-GRADE REPLACEMENT
GEOTECHNICAL REINFORCEMENT

REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

EXISTING 15" RCP TO BE REMOVED

PROPOSED 10'x8' CIP
BOX CULVERT

6" BEDDING STONE PER SECTION 540 AND
12" BREAKER-RUN CRUSHED STONE

STA. 1277+16 to 1284+16.50

EARTH EX. =	410.4	CU.YDS.
EMB. =	754.0	CU.YDS.
HAUL IN =	446.2	CU.YDS.

685.00 685.27 685.57 685.89 686.18 686.48 686.80 687.16 687.55 687.92 688.28 688.65

1279+00 1279+50 1280+00 1280+50 1281+00 1281+50 1282+00 1282+50 1283+00 1283+50 1284+00 1284+50

PLAN: SURVEYED, DRAWN, ALIGNMENT CHECKED, RT. OF WAY CHECKED, NOTE BOOK, NO., CADD FILE NAME, BY, DATE

PROFILE: SURVEYED, DRAWN, GRADES CHECKED, BM. NOTED, STRUCTURE NOTATNS. CHKD, NOTE BOOK, NO., BY, DATE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EX SN 098-1019
PLAN & PROFILE SHEETS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	21
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

WHITESIDE COUNTY

GARY L. MEYER

EXISTING R.O.W.

SN 098-1020
STA. 1334+42.00
EXISTING 10x6 BOX CULVERT

IMPROVEMENT BEGINS
STA. 1333+35

IMPROVEMENT ENDS
STA. 1335+60

13'
13'

1331 | 1332 | 1333 | US RTE 30 | 1334 | 1335+00 | 1336

PERIMETER EROSION BARRIER

CONSTRUCTION LIMITS

EXISTING R.O.W.

PERMANENT STEEL SHEET PILING

CONCRETE WINGWALL REMOVAL

RIP-RAP CLASS A4

LEGEND

= PERIMETER EROSION BARRIER

= INLET AND PIPE PROTECTION

= ROADWAY DITCH FLOW

X = TREE REMOVAL

GARY L. MEYER

695
690
685
680
675
670

686.72 | 686.25 | 685.73 | 685.20 | 684.59 | 683.98 | 683.37 | 682.93 | 682.61 | 682.44 | 682.62 | 700 | 682.85 | 683.15

1331+00 | 1331+50 | 1332+00 | 1332+50 | 1333+00 | 1333+50 | 1334+00 | 1334+50 | 1335+00 | 1335+50 | 1336+00 | 1336+50 | 1337+00

STA. 1333+35 to 1335+60

EARTH EX. =	465.7	CU.YDS.
EMB. =	410.2	CU.YDS.
HAUL IN =	60.9	CU.YDS.
TRENCH =	110.7	CU.YDS.

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATING CHKD
NOTE BOOK
NO.
BY
DATE

FILE NAME = c:\pw_work\pwidot\hensonke\d0133232\D208609-sht-plnprf.dgn	USER NAME = hensonke	DESIGNED -	REVISED -
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	PLOT DATE = Fri Jun 24 07:44:05 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 098-1020
PLAN & PROFILE SHEETS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	22
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

MEYERS LIMITED PARTNERSHIP

EXISTING 8" FIELD TILE WILL BE ECOUNTERED DURING CONSTRUCTION. SEE SCHEDULE AND GENERAL NOTE. FIELD TILE JUCTION VAULT AND PIPE DRAIN 10" TO BE PLACED AS DIRECTED BY THE R.E.

1503+25.00
110.00 LT

1504+25.00
110.00 LT

PROPOSED ROW

CONSTRUCTION LIMITS

LEFT SIDE DITCH PROFILE

1505+77.69
70.00 LT

LEFT SIDE DITCH PROFILE
1502+00.00
74.23 LT

EXISTING R.O.W.

IMPROVEMENT ENDS
STA. 1505+75

IMPROVEMENT BEGINS
STA. 1502+00

CONCRETE WINGWALL REMOVAL

1501 | 1502 | 13' | 13' | US RTE 30 | 1503 | 1504 | 1505+00 | 1506

CONCRETE WINGWALL REMOVAL

EXISTING R.O.W.

1503+00.00
80.00 RT

PROPOSED ROW

CONSTRUCTION LIMITS

1505+00.00
60.00 RT

SN 098-1021
STA. 1503+73.00
2 - 121' INSERTION CULVERT LINER 60"
58' LT - 63' RT
℄ 662.15 TO 660.99, SLOPE = 0.96%
2 EA. CONCRETE WINGWALL REMOVAL (SEE SCHED.)
RIP-RAP CLASS A4 24'x30' LT AND 30'x20' RT
EXISTING CONCRETE WINGWALLS TO REMAIN IN PLACE

1503+50.00
115.00 RT

1504+25.00
115.00 RT

N

LEGEND
= PERIMETER EROSION BARRIER
= TEMPORARY DITCH CHECK
= EROSION CONTROL BLANKET
= TURF REINFORCEMENT MAT
= INLET AND PIPE PROTECTION
= ROADWAY DITCH FLOW
X = TREE REMOVAL

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

MEYERS LIMITED PARTNERSHIP

PROFILE
SURVEYED BY
PLOTTED
GRADES CHECKED
ELIM. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
DATE
BY

680
675
670
665
660
655

LEFT SIDE DITCH PROFILE

-5.86 %

-4.71 %

6.37 %

681.33 | 680.50 | 679.70 | 678.98 | 678.47 | 678.06 | 677.70 | 677.55 | 677.47 | 677.51 | 677.63 | 677.82 | 677.98

1501+00 | 1501+50 | 1502+00 | 1502+50 | 1503+00 | 1503+50 | 1504+00 | 1504+50 | 1505+00 | 1505+50 | 1506+00 | 1506+50 | 1507+00

STA. 1502+00 to 1505+75

EARTH EX. = 844.4 CU.YDS.
EMB. = 807.8 CU.YDS.
HAUL IN = 0.00 CU.YDS.

Drainage Area =	288.6	acres	
Existing Low Grade Elevation:	677.48	ft. @	1504+87
Proposed Low Grade Elevation:	677.48	ft. @	1504+87

Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	182	667.25	667.70
Design	50	374	668.78	670.25
Base	100	493	669.67	672.12
OVT (Proposed)	259	730	-	677.48
Max Calc	500	949	673.69	-

10-Year Velocity through Existing Culvert = 2.5 fps

10-Year Velocity through Proposed Culvert = 4.6 fps

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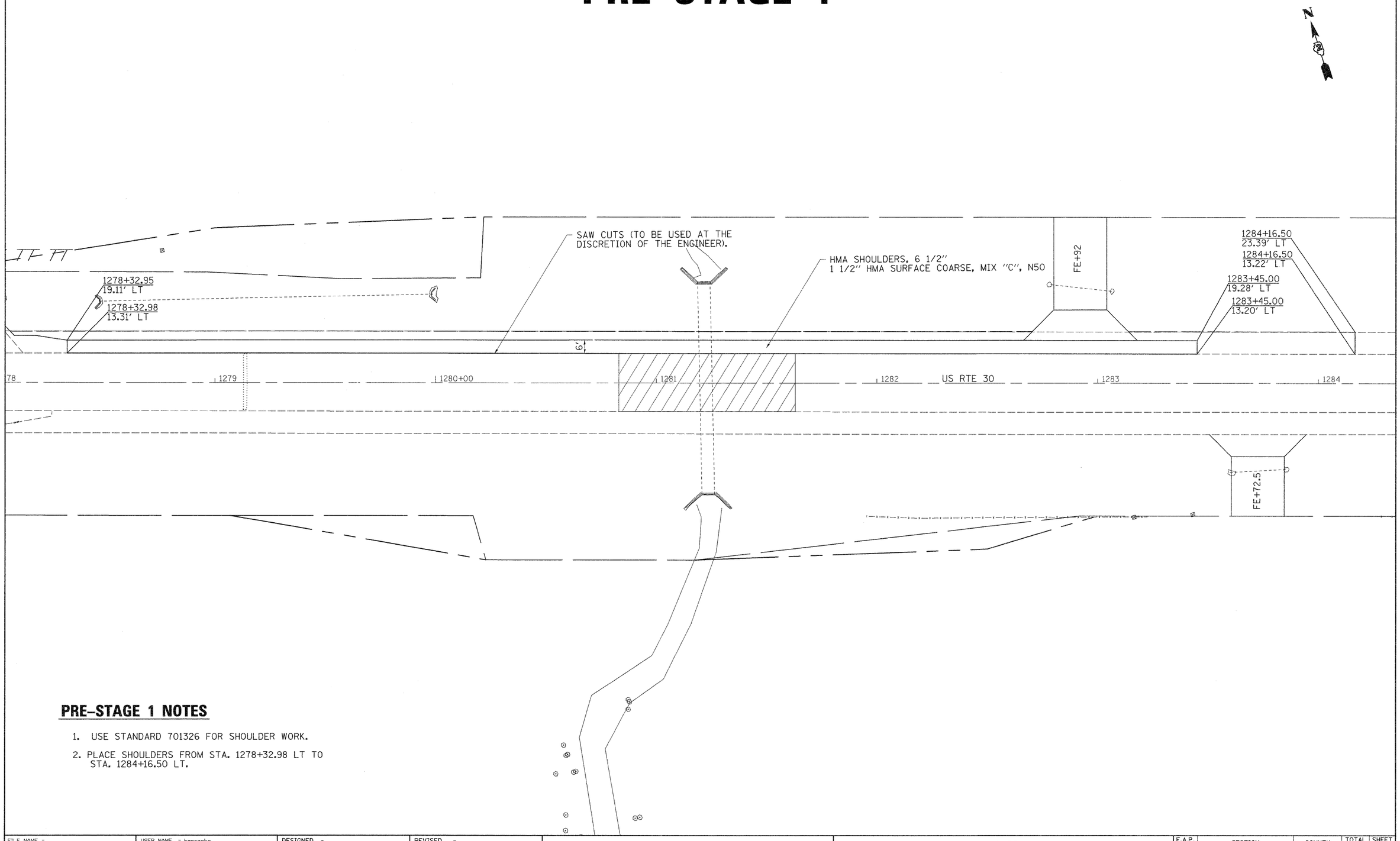
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 098-1021
PLAN & PROFILE SHEETS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	23
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

PRE--STAGE 1



PRE-STAGE 1 NOTES

1. USE STANDARD 701326 FOR SHOULDER WORK.
2. PLACE SHOULDERS FROM STA. 1278+32.98 LT TO STA. 1284+16.50 LT.

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	PLOT DATE = Fri Jun 24 07:44:13 2011	DATE -	REVISED -

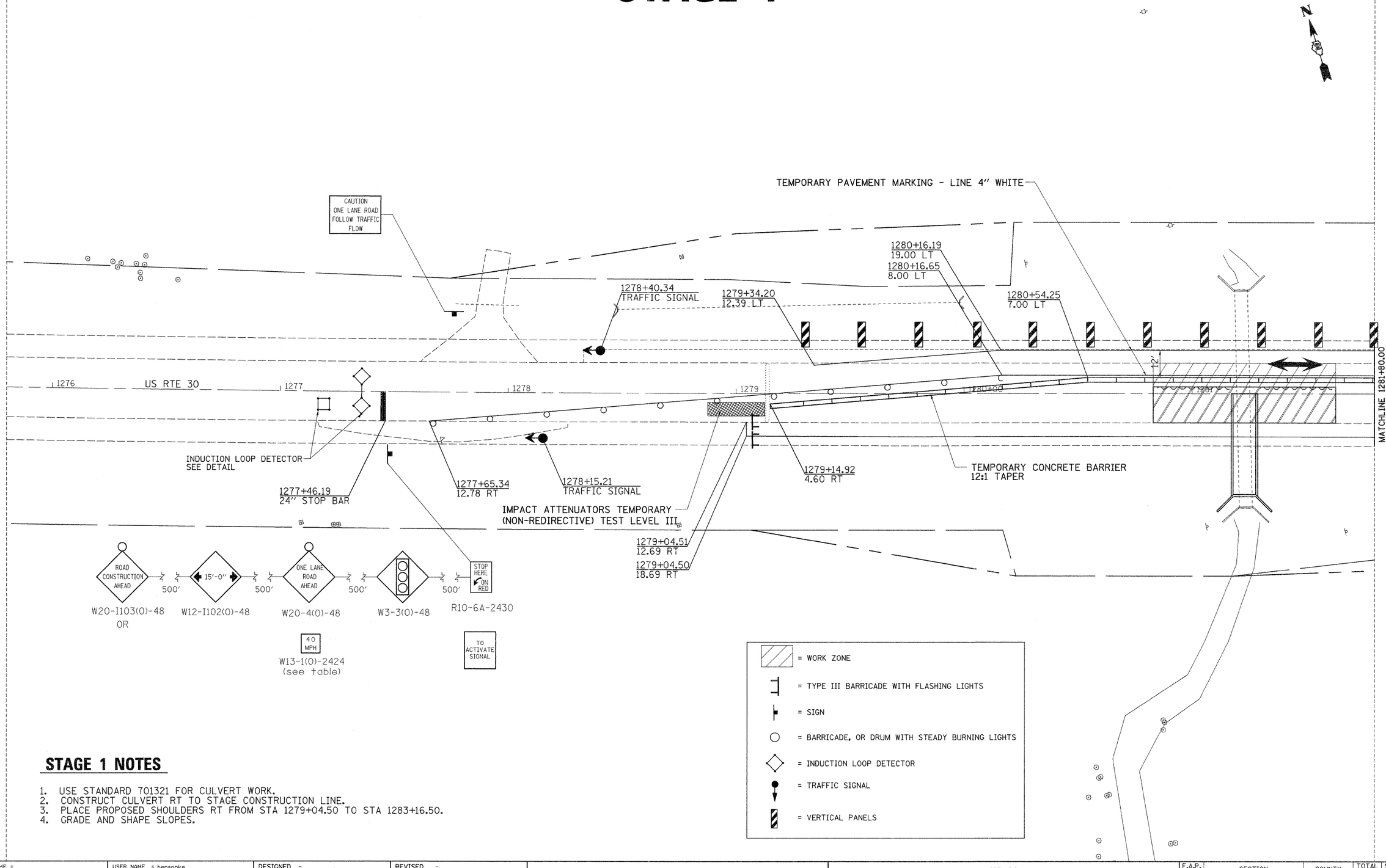
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
STAGING DETAIL SHEETS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	24
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

STAGE 1



STAGE 1 NOTES

1. USE STANDARD 701321 FOR CULVERT WORK.
2. CONSTRUCT CULVERT RT TO STAGE CONSTRUCTION LINE.
3. PLACE PROPOSED SHOULDERS RT FROM STA 1279+04.50 TO STA 1283+16.50.
4. GRADE AND SHAPE SLOPES.

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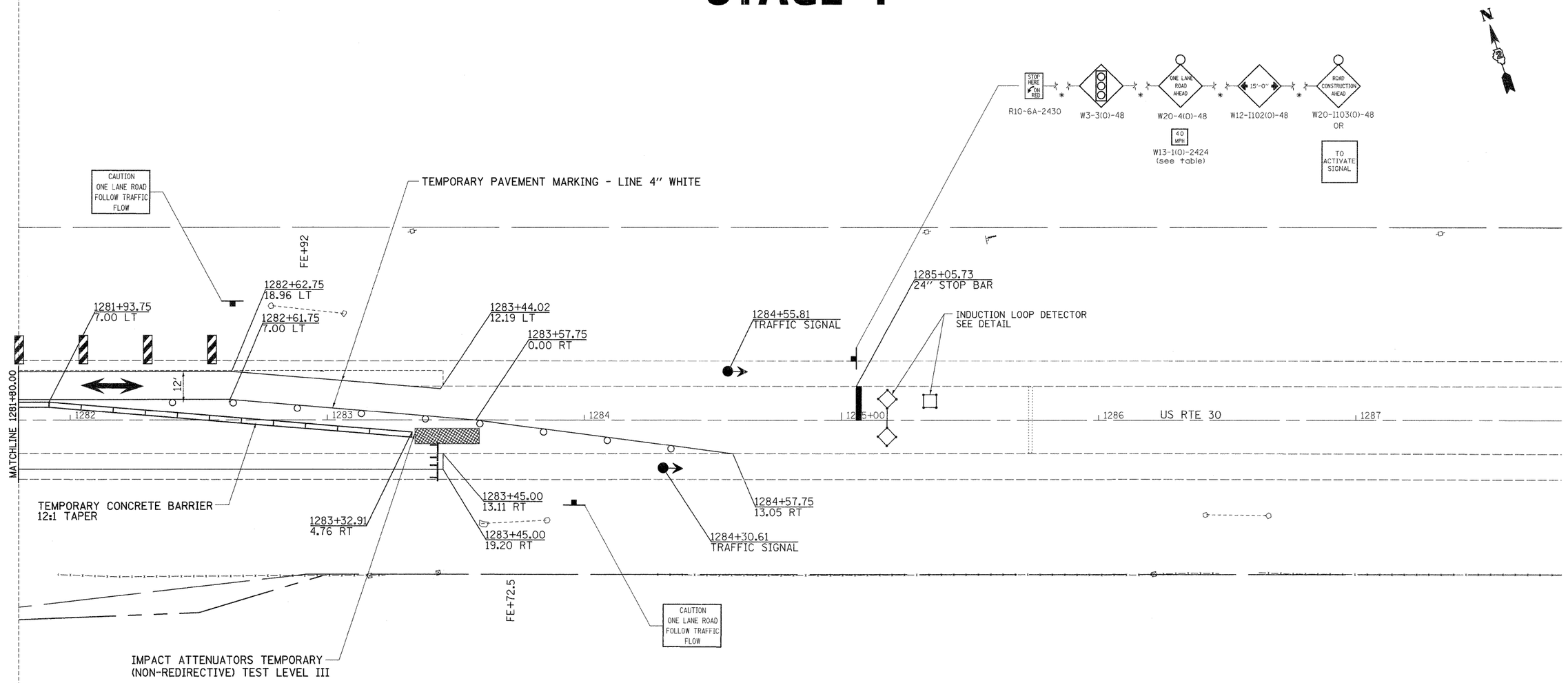
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
STAGING DETAIL SHEETS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	25
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

STAGE 1



= WORK ZONE

= TYPE III BARRICADE WITH FLASHING LIGHTS

= SIGN

= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS

= INDUCTION LOOP DETECTOR

= TRAFFIC SIGNAL

= VERTICAL PANELS

STAGE 1 NOTES

1. USE STANDARD 701321 FOR CULVERT WORK.
2. CONSTRUCT CULVERT RT TO STAGE CONSTRUCTION LINE.
3. PLACE PROPOSED SHOULDERS RT FROM STA 1279+04.50 TO STA 1283+45.
4. GRADE AND SHAPE SLOPES.

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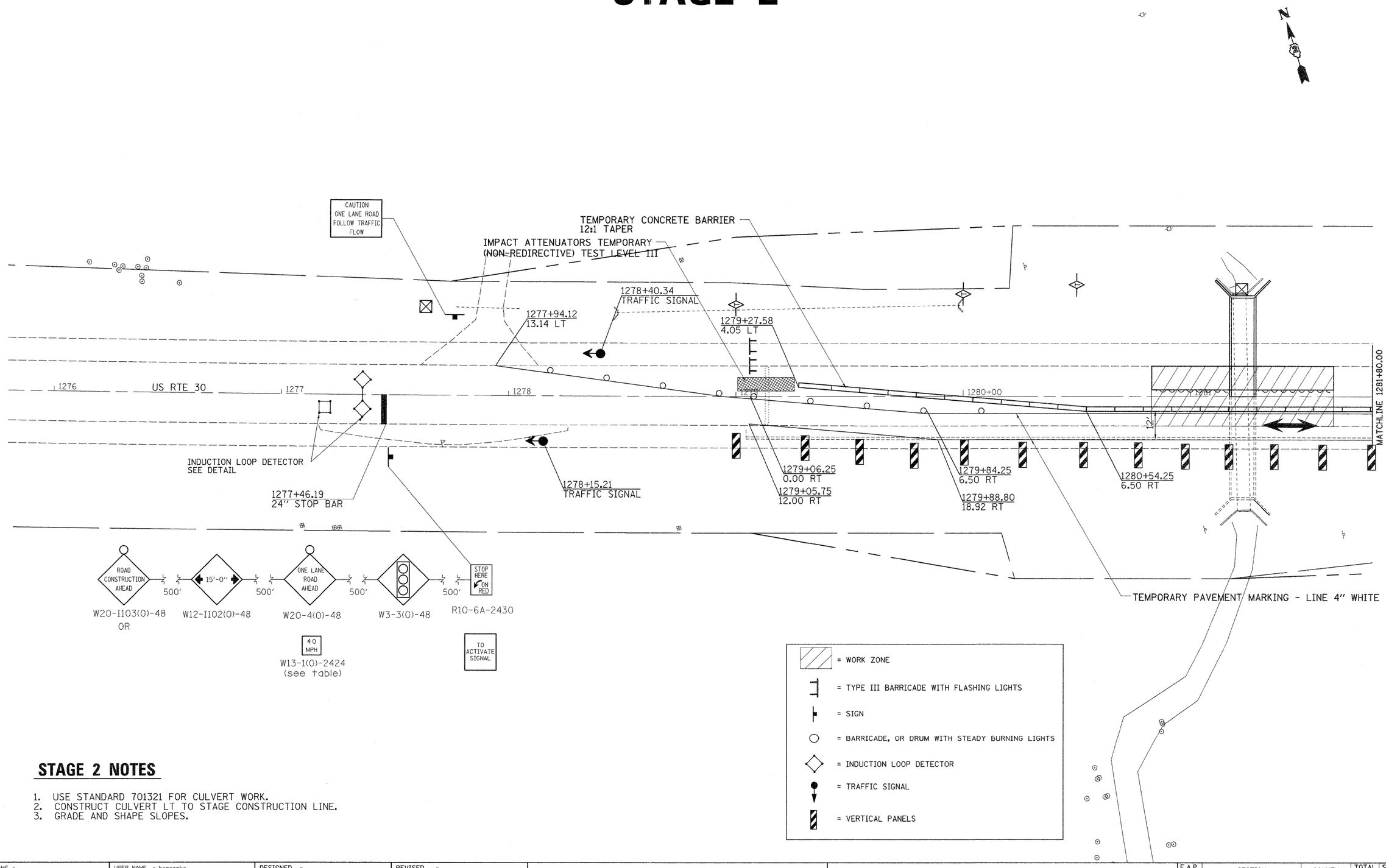
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
STAGING DETAIL SHEETS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	26
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

STAGE 2



STAGE 2 NOTES

1. USE STANDARD 701321 FOR CULVERT WORK.
2. CONSTRUCT CULVERT LT TO STAGE CONSTRUCTION LINE.
3. GRADE AND SHAPE SLOPES.

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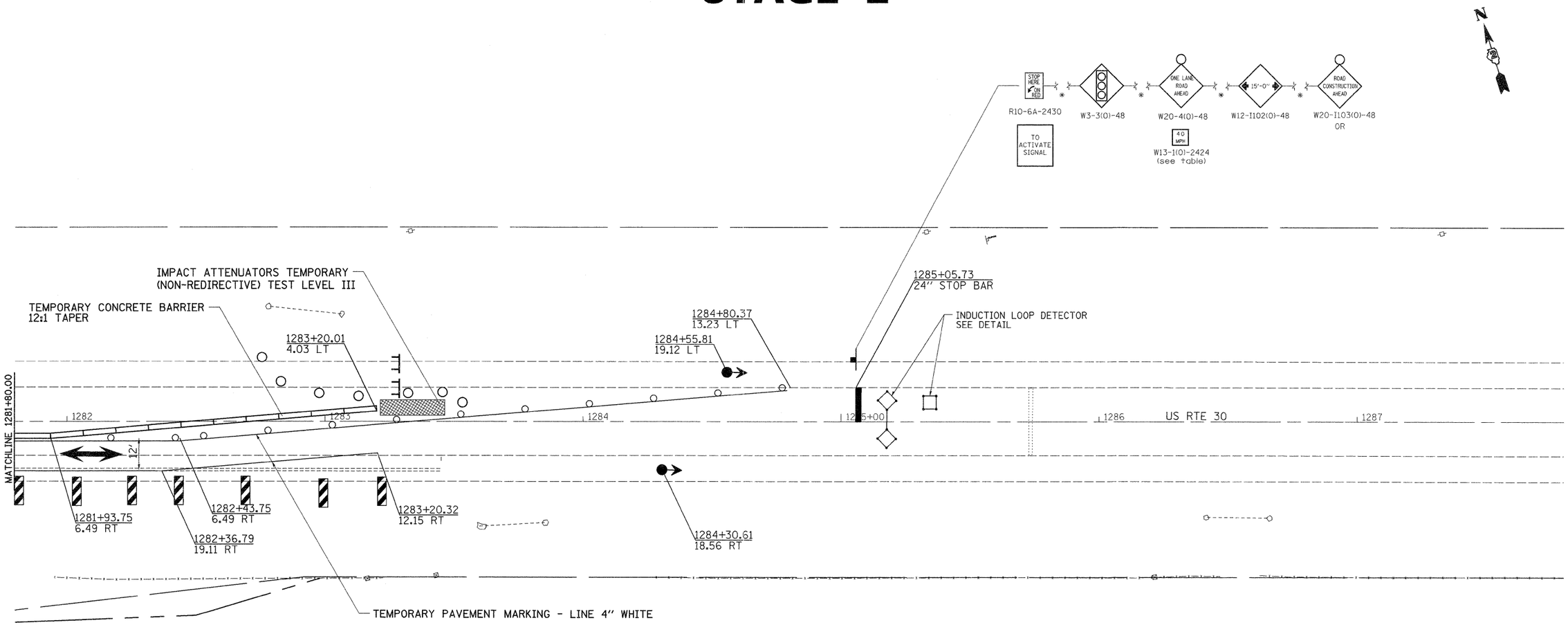
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
STAGING DETAIL SHEETS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	27
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

STAGE 2



= WORK ZONE

= TYPE III BARRICADE WITH FLASHING LIGHTS

= SIGN

= BARRICADE, OR DRUM WITH STEADY BURNING LIGHTS

= INDUCTION LOOP DETECTOR

= TRAFFIC SIGNAL

= VERTICAL PANELS

STAGE 2 NOTES

1. USE STANDARD 701321 FOR CULVERT WORK.
2. CONSTRUCT CULVERT LT TO STAGE CONSTRUCTION LINE.
3. GRADE AND SHAPE SLOPES.

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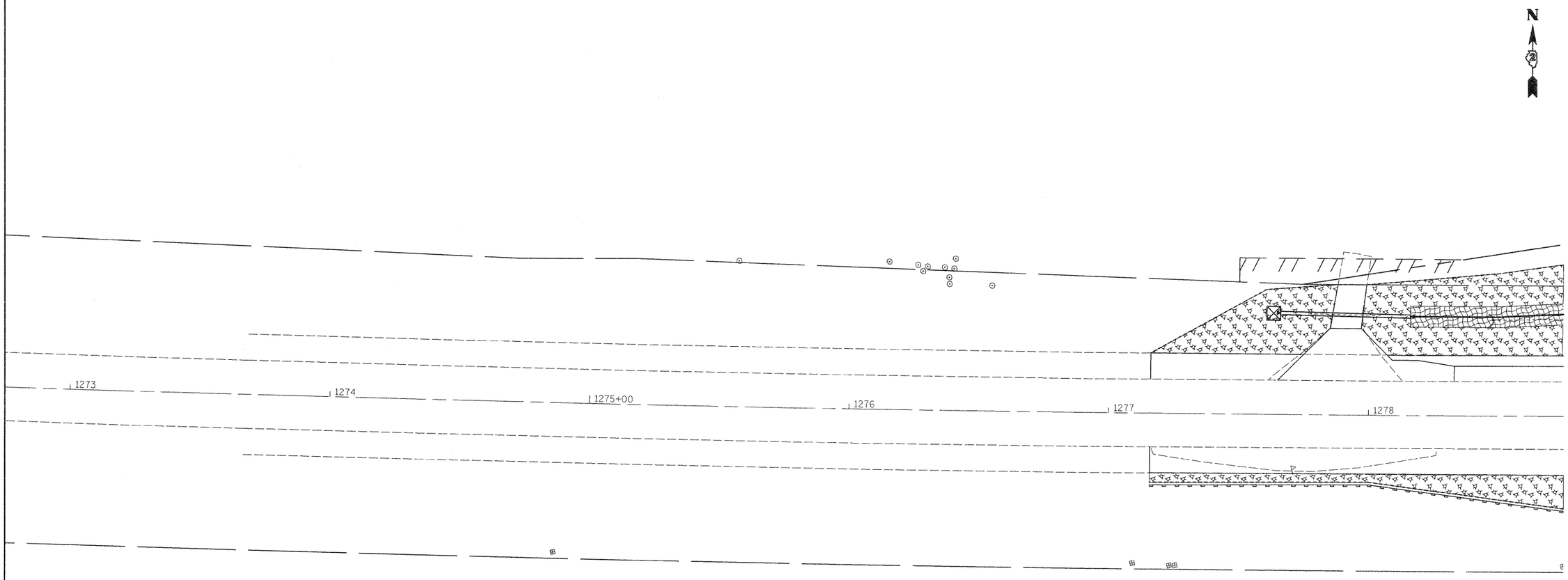
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
STAGING DETAIL SHEETS

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

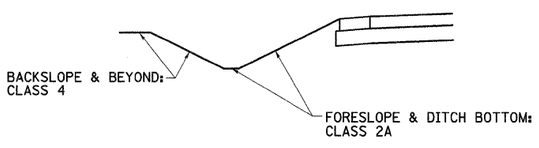
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	28
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL DETAILS



= MULCH METHOD 3
= TEMPORARY DITCH CHECKS
= EROSION CONTROL BLANKET
= PERIMETER EROSION BARRIER
= INLET PIPE PROTECTION
= RIP RAP
= TURF REINFORCEMENT MAT

SEEDING DETAIL



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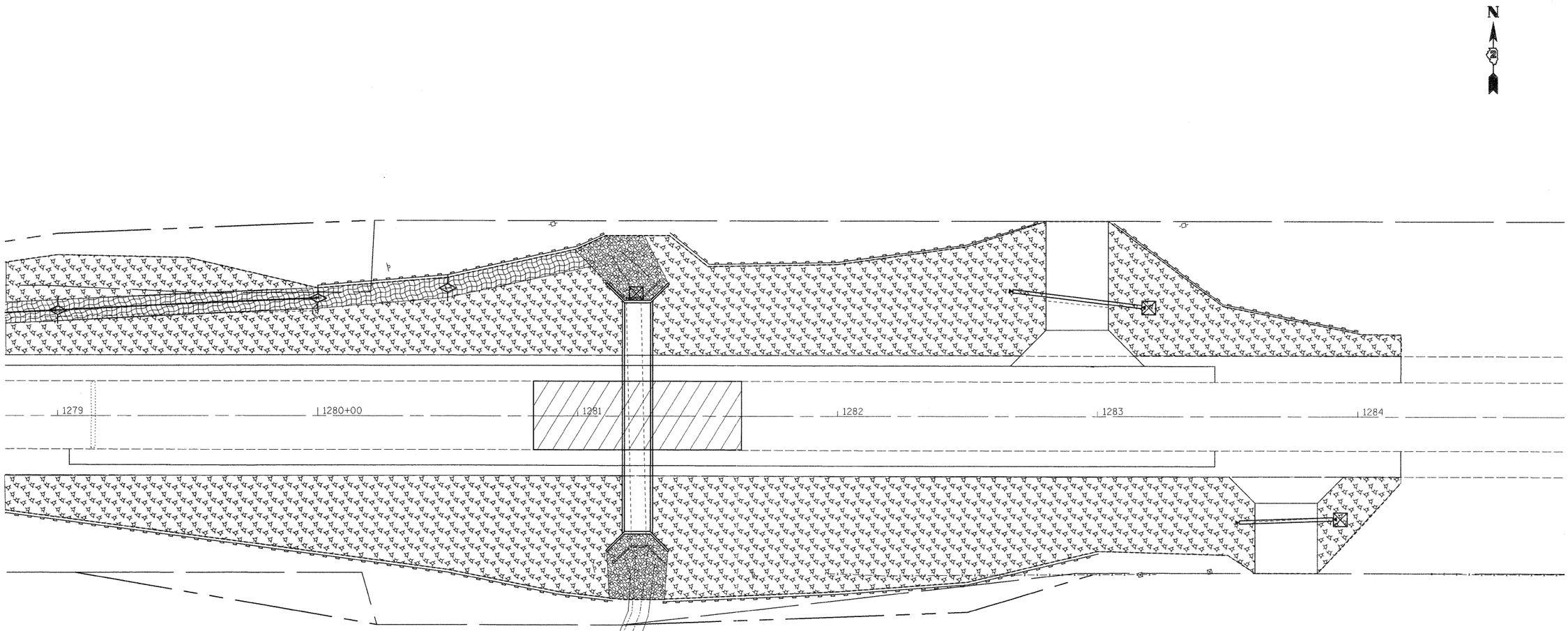
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

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

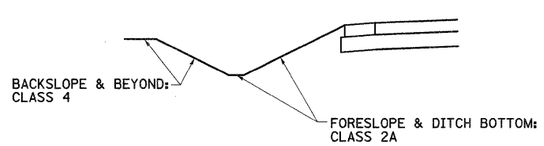
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	29
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

EROSION CONTROL DETAILS



= MULCH METHOD 3
= TEMPORARY DITCH CHECKS
= EROSION CONTROL BLANKET
= PERIMETER EROSION BARRIER
= INLET PIPE PROTECTION
= RIP RAP
= TURF REINFORCEMENT MAT

SEEDING DETAIL



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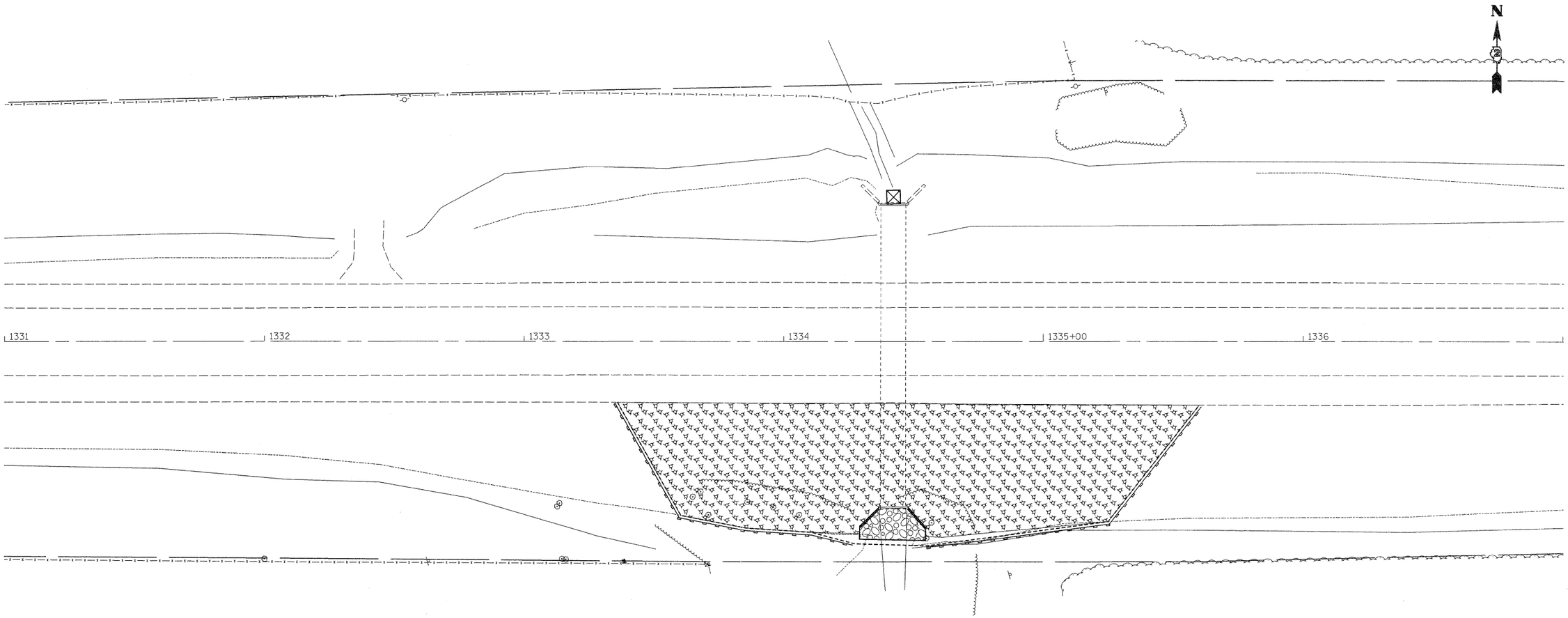
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1		74	30
			CONTRACT NO. 64F23	
		ILLINOIS	FED. AID PROJECT	

EROSION CONTROL DETAILS



= MULCH METHOD 3

= TEMPORARY DITCH CHECKS

= EROSION CONTROL BLANKET

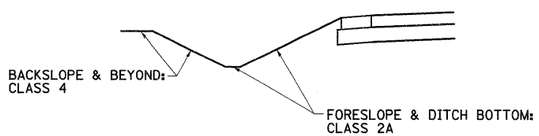
= PERIMETER EROSION BARRIER

= INLET PIPE PROTECTION

= RIP RAP

= TURF REINFORCEMENT MAT

SEEDING DETAIL



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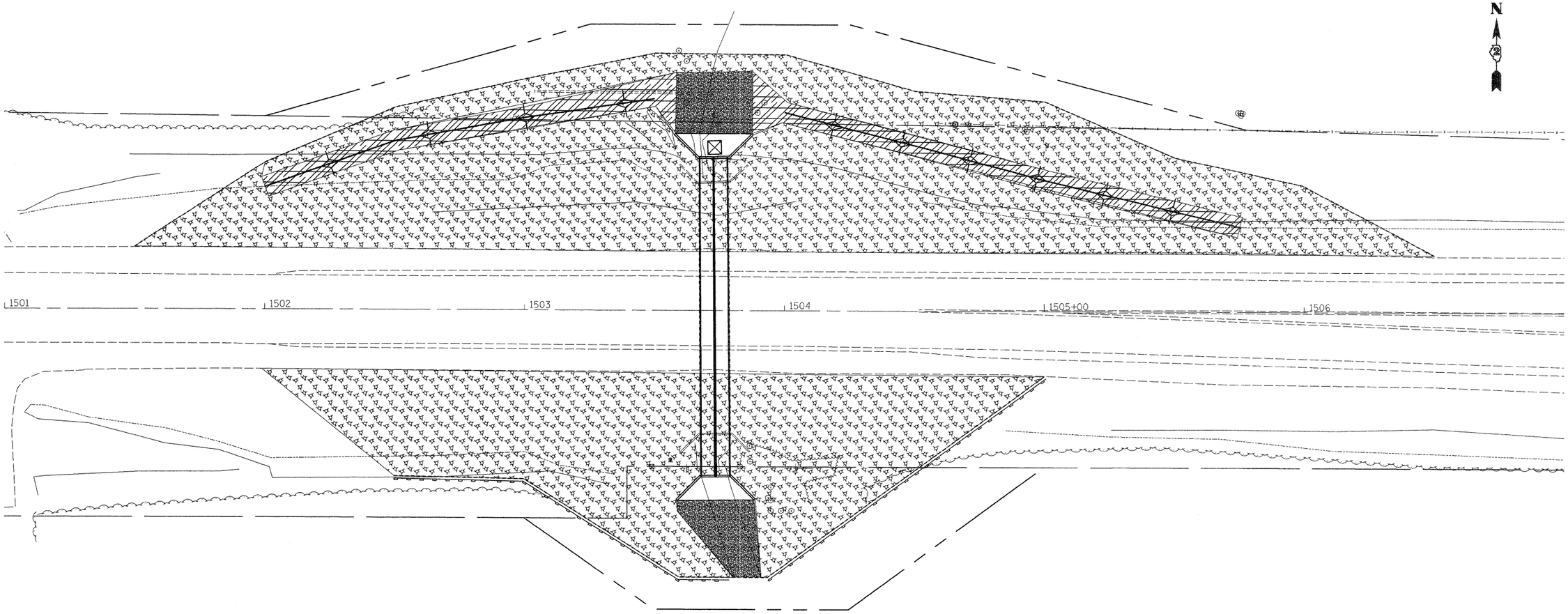
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15T-1	WHITESIDE	74	31
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

EROSION CONTROL DETAILS



= MULCH METHOD 3

= TEMPORARY DITCH CHECKS

= EROSION CONTROL BLANKET

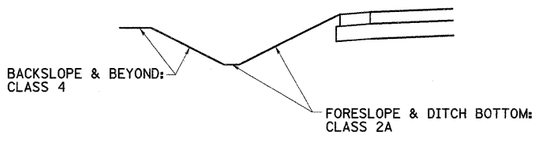
= PERIMETER EROSION BARRIER

= INLET PIPE PROTECTION

= RIP RAP

= TURF REINFORCEMENT MAT

SEEDING DETAIL



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		DRAWN -	REVISED -
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	PLOT DATE = Fri Jun 24 07:44:25 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

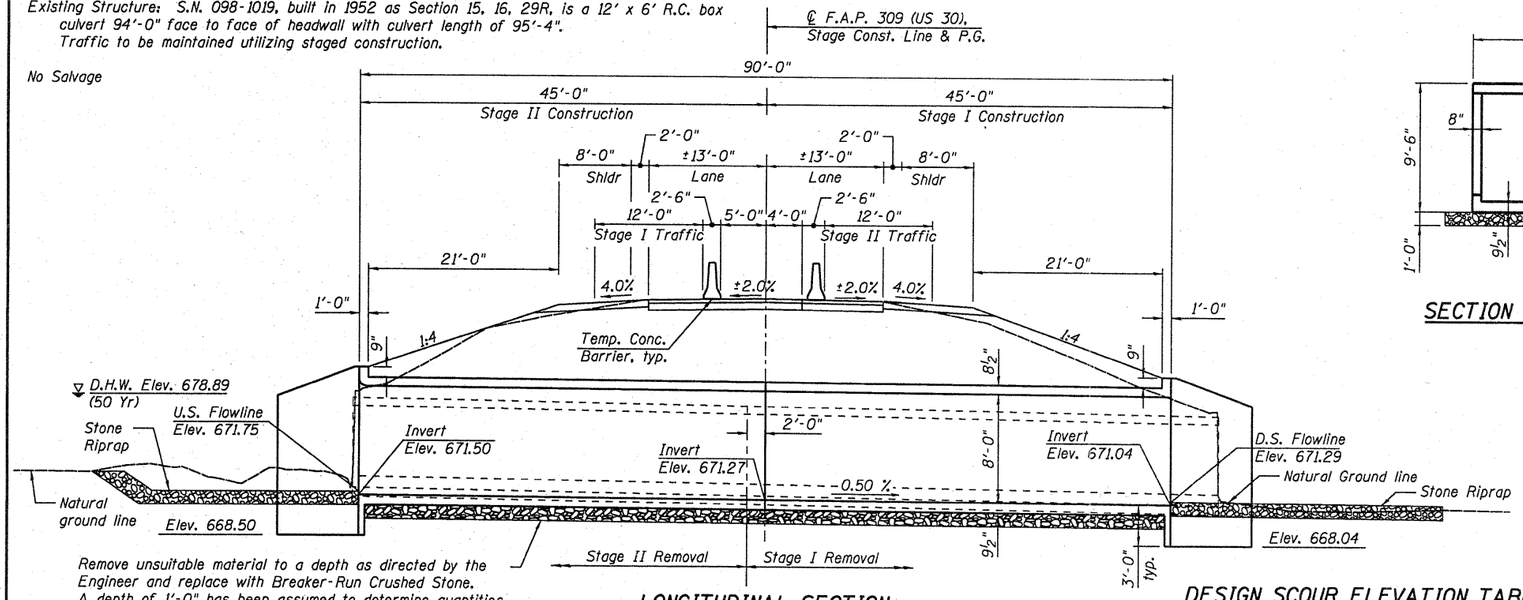
SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	32
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

Bench Mark: Point #907199, Pin with Cap GPS Control: North: 1,868,129.76, East: 2,370,182.96
Sta. 1279+54.12, 33.43' Lt, Elev. 682.10

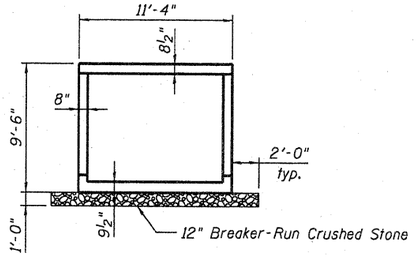
Existing Structure: S.N. 098-1019, built in 1952 as Section 15, 16, 29R, is a 12' x 6' R.C. box culvert 94'-0" face to face of headwall with culvert length of 95'-4". Traffic to be maintained utilizing staged construction.

No Salvage



LONGITUDINAL SECTION

(Looking East at ℄ Culvert)



SECTION THRU BARREL

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

FIELD UNITS

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

LOADING HS20-44

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

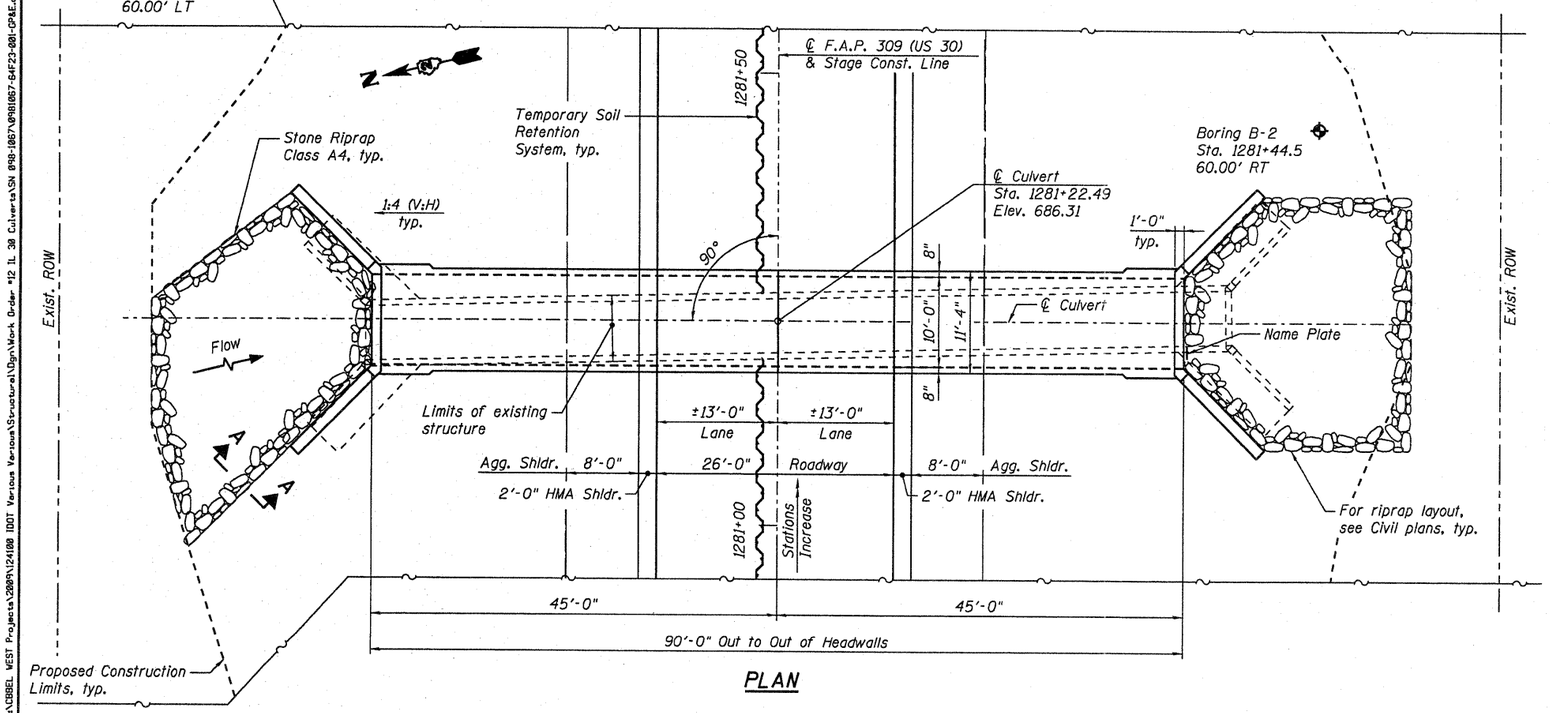
DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	668.50	668.04

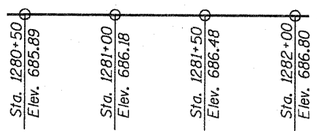
WATERWAY INFORMATION

Drainage Area = 395.0 acres
Existing Low Grade Elevation: 684.56 ft. @ 1276+91
Proposed Low Grade Elevation: 684.56 ft. @ 1276+91

Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	243	678.05	676.18
Design	50	497	683.56	678.89
Base	100	655	-	680.56
Overtop-Exist.	62	531	684.56	-
Overtop-Prop.	269	975	-	684.56

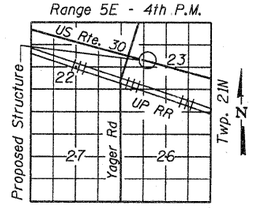


PLAN



PROFILE GRADE

(along ℄ roadway)



LOCATION SKETCH

LICENSED STRUCTURAL ENGINEER
DAVID L. SMOOT
081-005861
ST. CHARLES
ILLINOIS
STATE OF ILLINOIS

David L. Smoot
Date: 06/24/2011
License Expires: 11/30/2012

GENERAL PLAN & ELEVATION
US ROUTE 30 OVER UNNAMED TRIBUTARY TO THE ROCK RIVER
F.A.P. RTE 309 - SEC. 15T-1
WHITESIDE COUNTY
STATION 1281+22.49
STRUCTURE NO. 098-1067

FILE NAME = P:\CBBEL WEST Projects\2009\124100 IDOT Various Various\Structural\Dgn\Work Order #12 IL 38 Culverts\SN 098-1067\098106764F23-001-GPAE.dgn

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(630) 443-7755

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 9 SHEETS

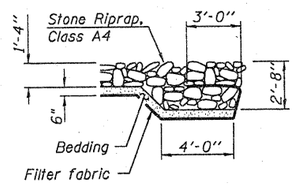
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	33
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
3. Remove unsuitable soil below bottom of culvert as directed by the Engineer and 2'-0" outside of the exterior walls of the box culvert. Cost shall be paid for as REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. Replace with BREAKER-RUN CRUSHED STONE. A depth of 1'-0" has been assumed to determine quantities.
4. A precast concrete box culvert alternate will not be allowed at this site.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	50
Stone Riprap, Class A4	Sq. Yd.	128
Filter Fabric	Sq. Yd.	128
Removal of Existing Structure No. 1	Each	1
Reinforcement Bars	Pound	20,540
Bar Splicers	Each	47
Name Plates	Each	1
Concrete Box Culverts	Cu. Yd.	121.1
Temporary Soil Retention System	Sq. Ft.	457
Breaker-Run Crushed Stone	Ton	90



SECTION A-A

STATION 1281+22.49
BUILT 2011 BY
STATE OF ILLINOIS
F.A.P. RTE. 309 - SEC. 15T-1
LOADING HS20
STRUCTURE NO. 098-1067

NAME PLATE
See Std. 515001

INDEX OF SHEETS

FILE NAME = P:\CBBEL WEST Projects\2009\124188 IDOT Various Various\Structural\DgnWork Order #12 IL 38 Culverts\SN 098-1067\098I067-64F23-002-GenData.dgn

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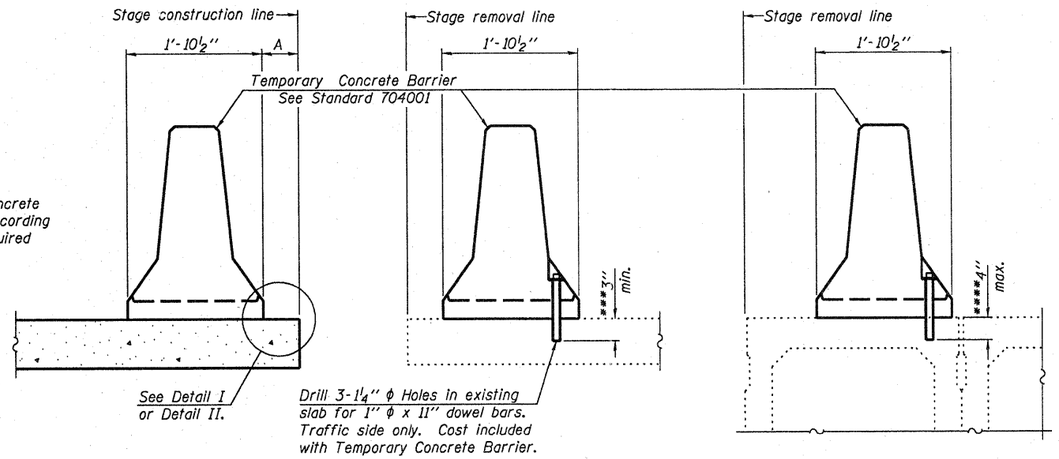
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 098-1067
SHEET NO. 2 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	34
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

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".



NEW SLAB | EXISTING SLAB | EXISTING DECK BEAM

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel ℙ to the top layer of couplers with 2-⅝" ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel ℙ to the concrete slab or concrete wearing surface with 2-⅝" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

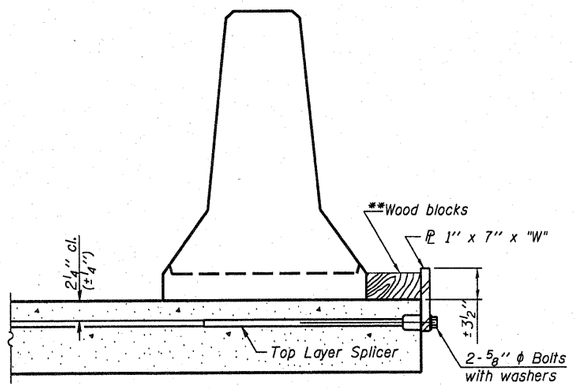
Cost of anchorage is included with Temporary Concrete Barrier.

The 1" x 7" x "W" 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.

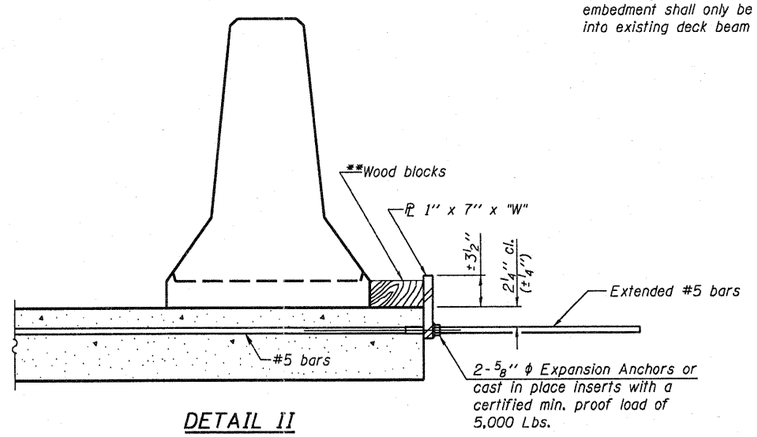
SECTIONS THRU SLAB OR DECK BEAM

*** 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.



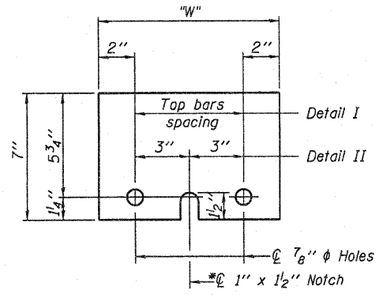
DETAIL I



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.

"W" = Top bars spacing + 4"



STEEL RETAINER ℙ 1" x 7" x "W"

* Required only with Detail II

R-27 7-1-10

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 098-1067
SHEET NO. 3 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	35
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

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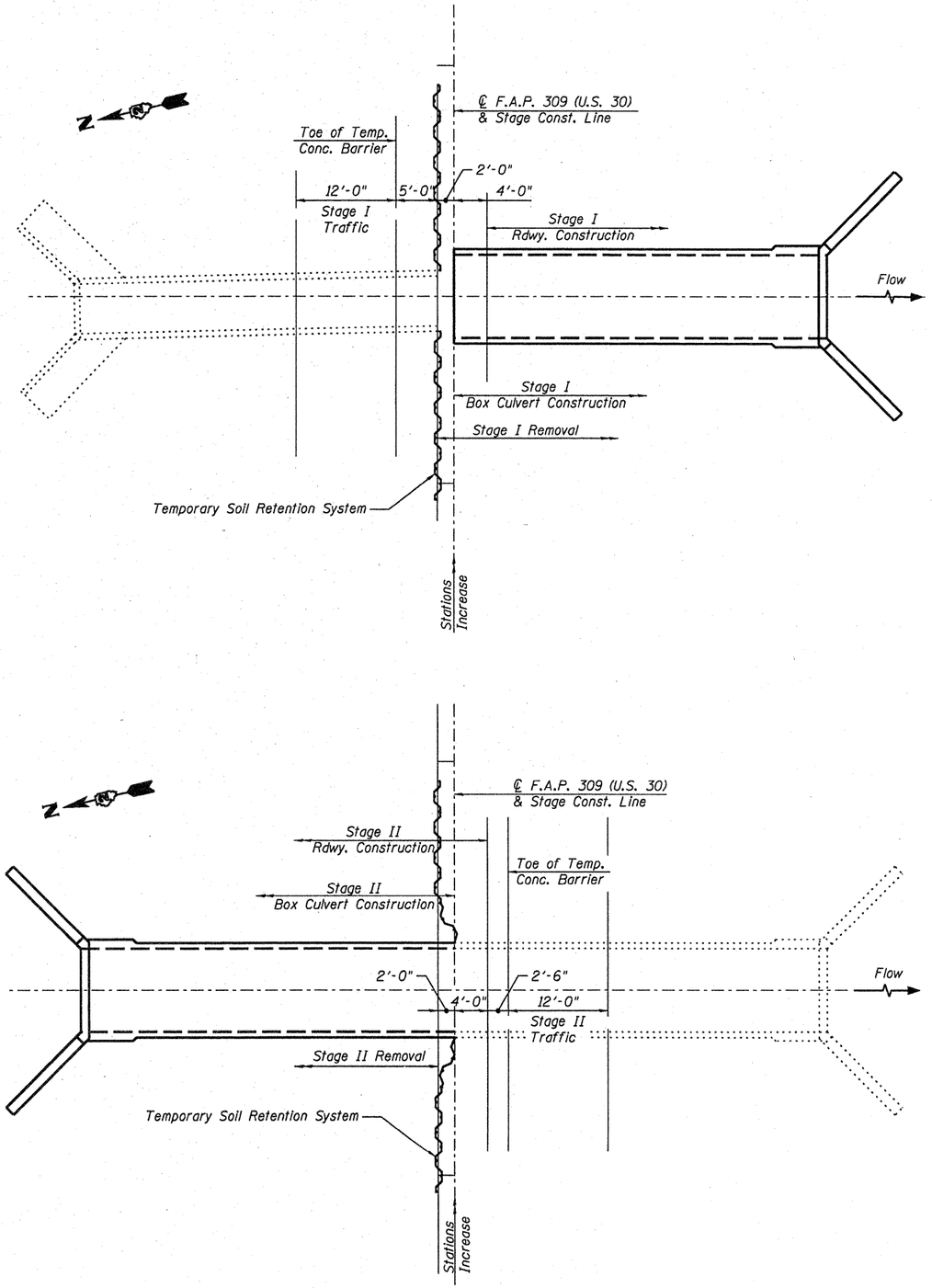

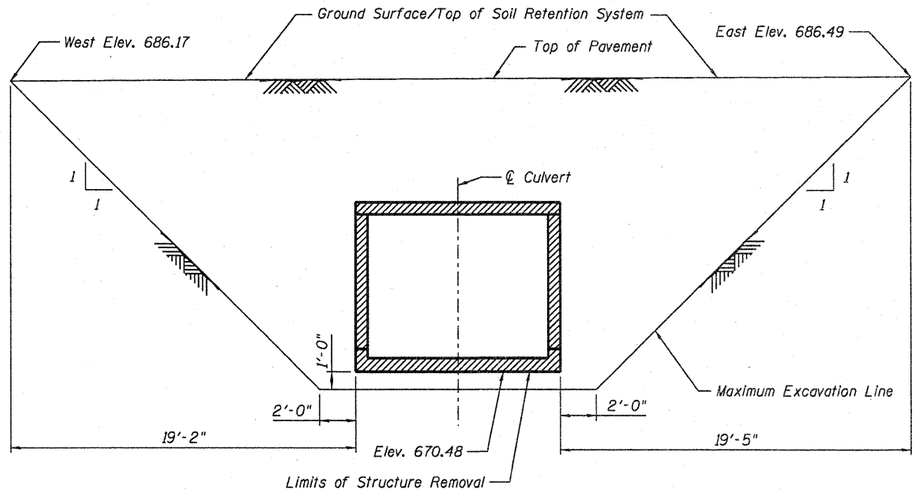

TEMPORARY SOIL RETENTION SYSTEM

Notes:

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

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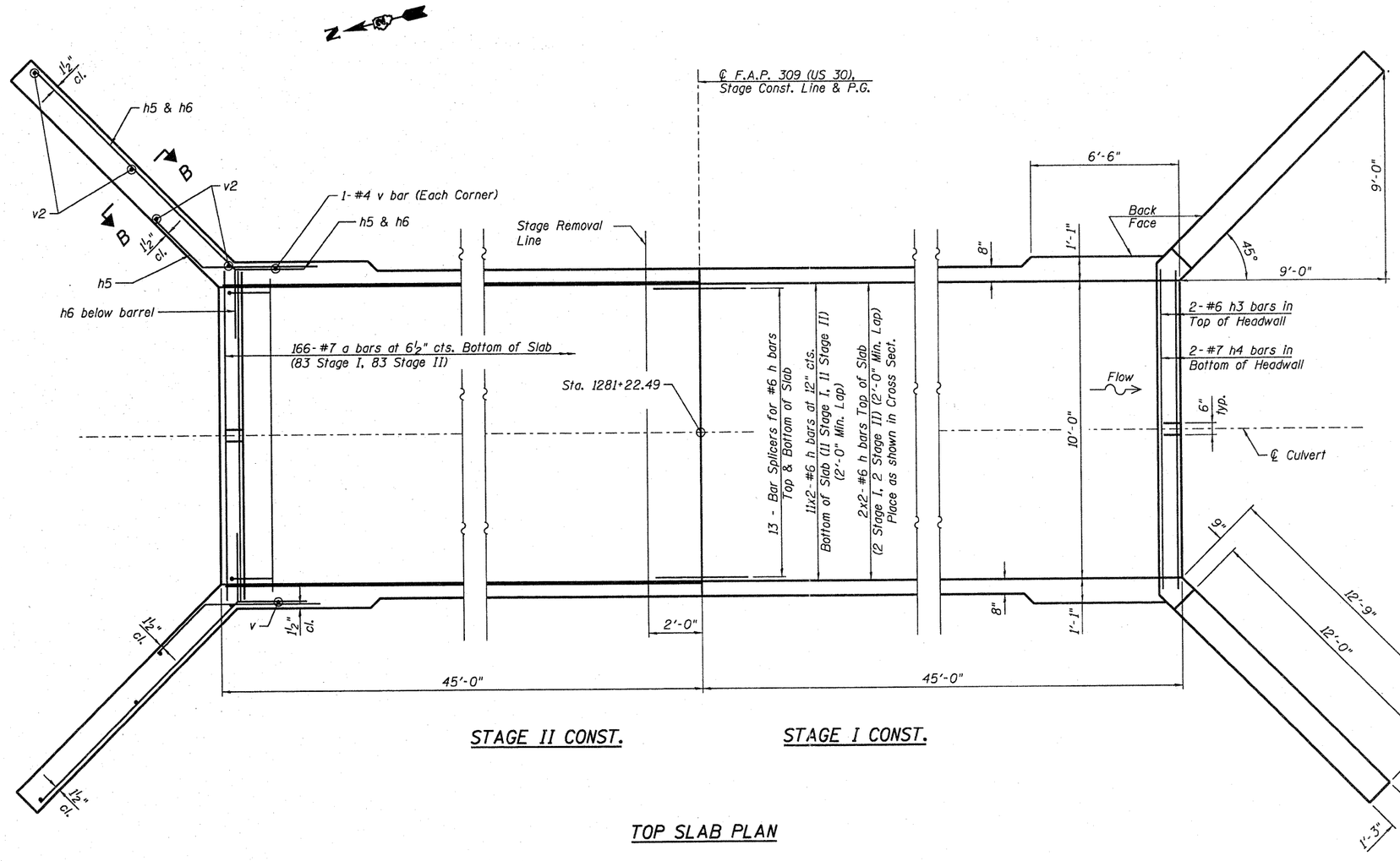
DEPARTMENT OF TRANSPORTATION

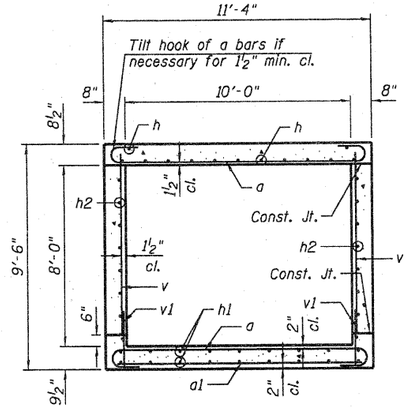
TEMPORARY SOIL RETENTION SYSTEM DETAILS
STRUCTURE NO. 098-1067
SHEET NO. 4 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	36
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		



STAGE II CONST. STAGE I CONST.

TOP SLAB PLAN



SECTION THRU BARREL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	332	#7	12'-8"	
a1	48	#4	10'-5"	
d	22	#4	4'-6"	
h	52	#6	23'-4"	
h1	72	#5	23'-4"	
h2	64	#6	23'-4"	
h3	4	#6	11'-4"	
h4	4	#7	11'-10"	
h5	52	#8	8'-0"	
h6	44	#8	15'-8"	
v	364	#4	8'-0"	
v1	360	#4	2'-3"	
v2	16	#4	12'-0"	
Concrete Box Culverts		Cu. Yd.	121.1	
Reinforcement Bars		Pound	20,540	

NOTES

1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
2. Bars indicated thus 11 x 2-#6 etc. indicates 11 lines of bars with 2 lengths per line.

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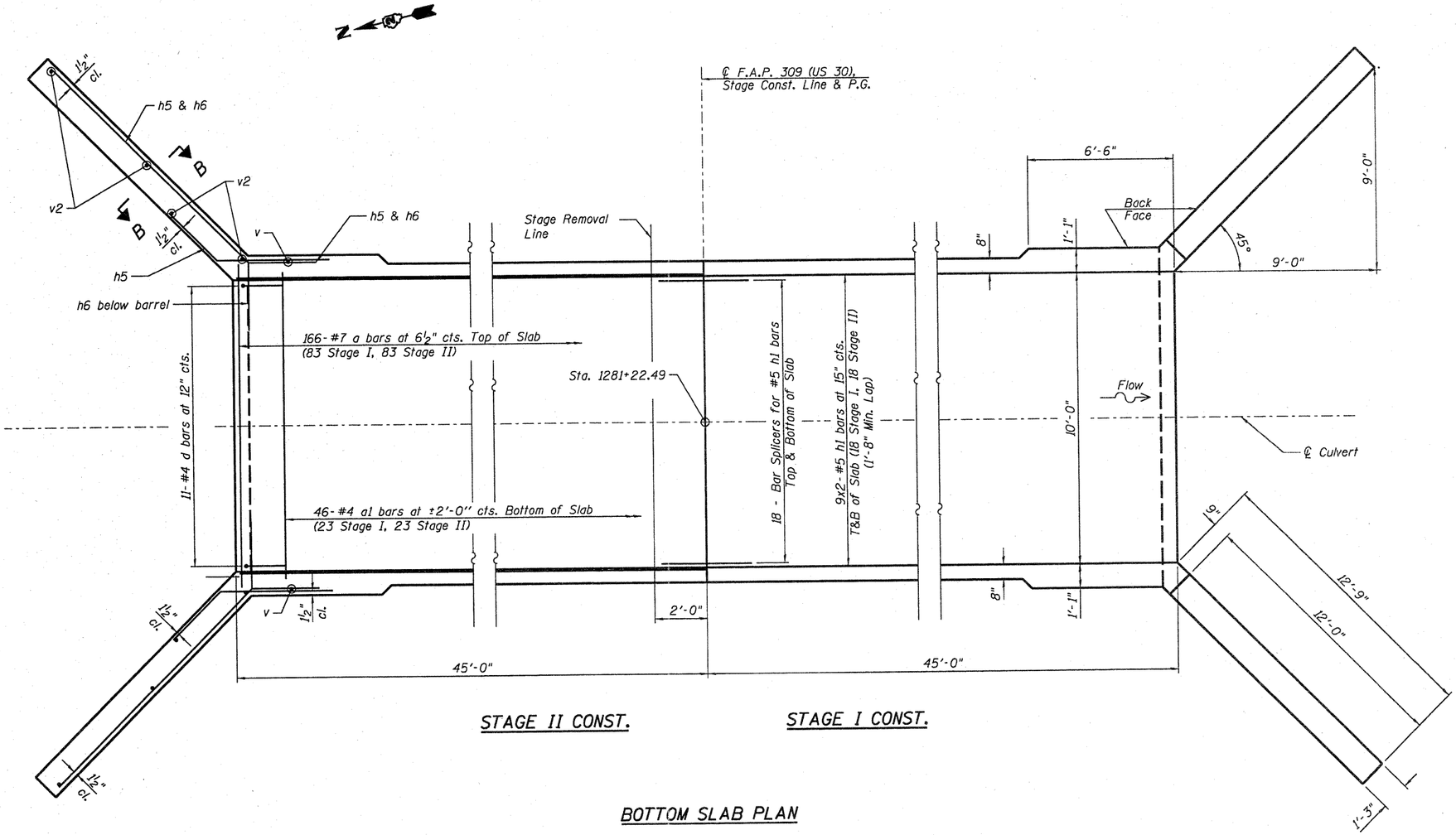
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT TOP SLAB PLAN
STRUCTURE NO. 098-1067
SHEET NO. 5 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	37
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			



STAGE II CONST. STAGE I CONST.

BOTTOM SLAB PLAN

NOTES

1. A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
2. Bars indicated thus 9 x 2-#5 etc. indicates 9 lines of bars with 2 lengths per line.

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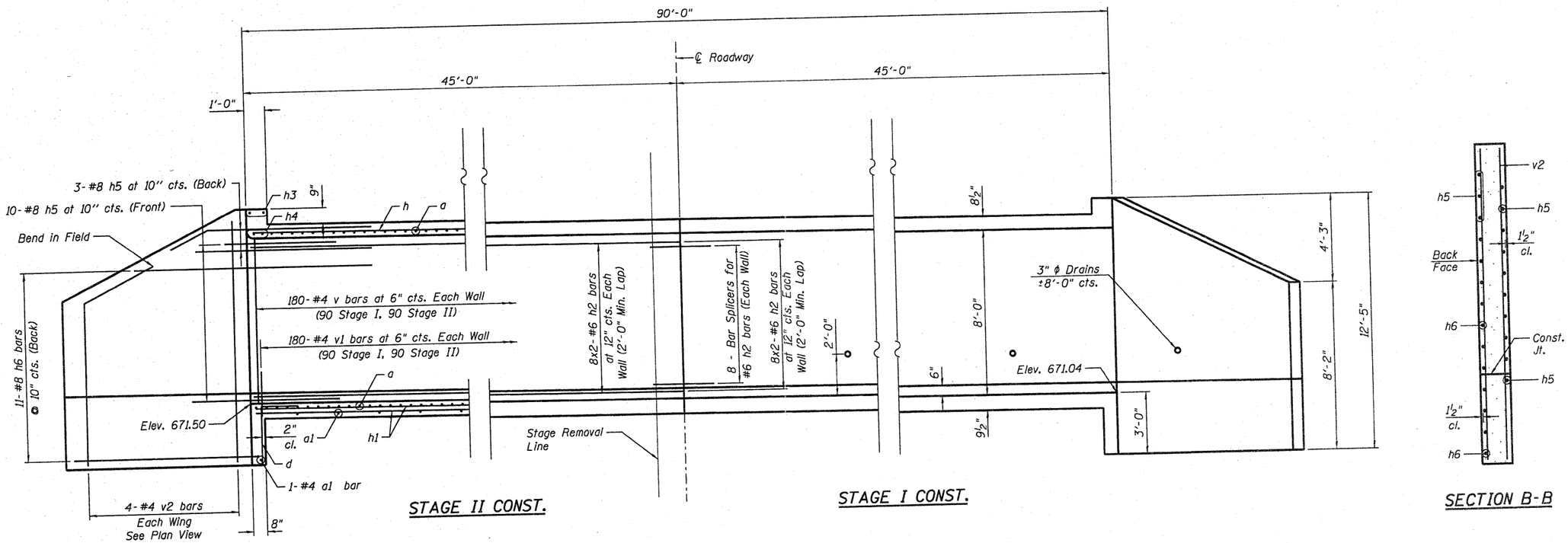
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

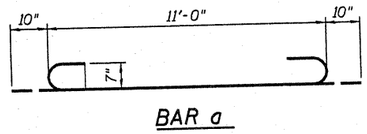
CULVERT BOTTOM SLAB PLAN
STRUCTURE NO. 098-1067
SHEET NO. 6 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	38
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

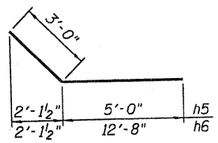


DESIGN STRESSES

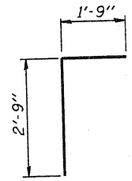
fy = 60,000 psi
f'c = 3,500 psi



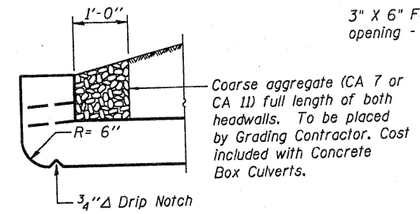
BAR a



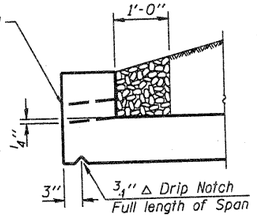
BARS h5 & h6



BAR d



AT UPSTREAM END



AT DOWNSTREAM END

DRAIN DETAIL

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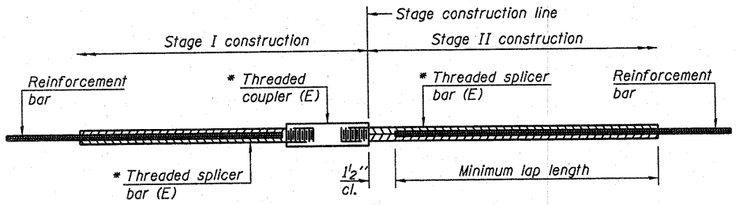
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS
STRUCTURE NO. 098-1067
SHEET NO. 7 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	39
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		



STANDARD BAR SPLICER ASSEMBLY

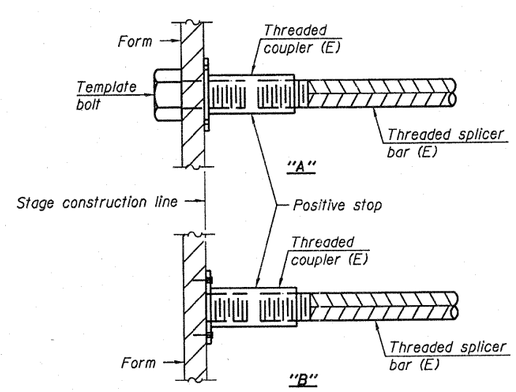
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

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, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1½" + thread length

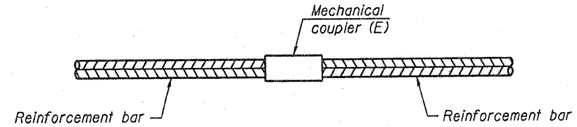
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Culvert Top Slab	#6	13	Table 1
Culvert Bottom Slab	#5	18	Table 1
Culvert Barrel Walls	#6	16	Table 1



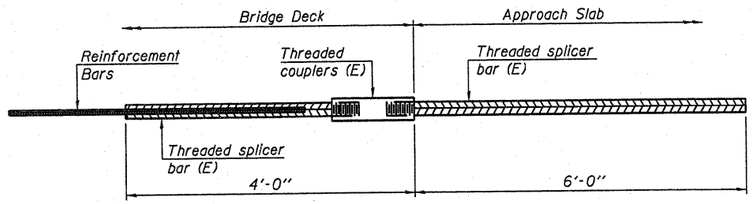
INSTALLATION AND SETTING METHODS

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



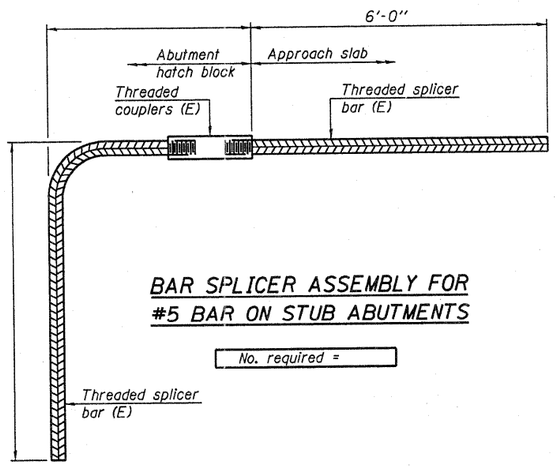
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

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

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

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

See special provision for Mechanical Splicers.

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

BSD-1 7-1-10

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

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PLOT SCALE =	DRAWN - AWH	REVISED -	
PLOT DATE = 06/24/2011	CHECKED - DLS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 098-1067
SHEET NO. 8 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	40
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

FILE NAME = P:\CDBEL WEST Projects\2009\124108 IDOT Various Various\Structural\Dgn\Work Order #12 IL 38 Culverts\SN 098-1067\098I067-64F23-088-Bar-Splicer.dgn

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 2/4/10

ROUTE FAP 309 DESCRIPTION P92-096-09 Box Culvert on US 30, .1 m. E. of Yager Road LOGGED BY W. Garza

SECTION 15T-1 LOCATION Mt. Pleasant Twp. – 23NW, SEC. , TWP. 21N, RNG. 5E

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

STRUCT. NO. 098-1067
Station 1281+22.49

BORING NO. B-1
Station 1281+61.50
Offset 60.00ft Lt CL
Ground Surface Elev. 677.55 ft

Surface Water Elev. 671.75 ft
Stream Bed Elev. 671.55 ft

Groundwater Elev.:
First Encounter 663.05 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SILTY CLAY LOAM			
		0.4	25.0
675.55		P	
STIFF brown SILTY CLAY LOAM	0		
	2	1.1	31.0
674.05	4	P	
MEDIUM dark gray SILTY CLAY LOAM	2		
-5	2	0.7	24.0
671.55	3	B	
SOFT gray SILTY LOAM	1		
	2	0.3	28.0
669.05	2	P	
VERY LOOSE gray dirty fine SAND -10	1		
	1		24.0
666.55	2		
VERY SOFT gray SILTY LOAM with SAND lens	0		
	1	0.1	25.0
663.55	2	B	
▼ -15 MEDIUM gray clean medium coarse SAND	6		
	8		
661.55	8		
MEDIUM gray clean medium coarse SAND	1		
	8		
659.05	9		
-20	1		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
LOOSE gray clean medium coarse SAND (continued)	2		
656.55	5		
MEDIUM graytan SANDY GRAVEL	5		
	9		
654.05	6		
Wash -25	6		
MEDIUM gray SAND	8		
651.55	10		
Wash	5		
VERY DENSE tan weathered LIMESTONE	100/5"		
649.05			
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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 2/4/10

ROUTE FAP 309 DESCRIPTION P92-096-09 Box Culvert on US 30, .1 m. E. of Yager Road LOGGED BY W. Garza

SECTION 15T-1 LOCATION Mt. Pleasant Twp. – 23NW, SEC. , TWP. 21N, RNG. 5E

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

STRUCT. NO. 098-1067
Station 1281+22.49

BORING NO. B-2
Station 1281+44.50
Offset 60.00ft Rt CL
Ground Surface Elev. 686.45 ft

Surface Water Elev. 681.65 ft
Stream Bed Elev. 681.45 ft

Groundwater Elev.:
First Encounter 676.95 ft ▼
Upon Completion Wash ft
After ____ Hrs. ____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT brown SILTY CLAY LOAM			
		0.4	26.0
684.45		P	
STIFF brown SILTY CLAY LOAM	1		
	2	1.0	27.0
682.95	3	P	
STIFF gray SILTY CLAY LOAM -5	0		
	2	1.1	27.0
680.45	2	B	
VERY SOFT gray SILTY LOAM with SAND lens	0		
	0	0.2	24.0
677.45	3	B	
▼ -10 LOOSE gray fine SAND	3		
	3		
675.45	6		
LOOSE gray fine SAND	0		
	3		
672.95	3		
MEDIUM gray SANDY GRAVEL -15	4		
	5		
670.45	9		
Wash	9		
MEDIUM gray SANDY GRAVEL	12		
	12		
667.95			
MEDIUM gray SANDY GRAVEL -20	5		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM gray SANDY GRAVEL (continued)	6		
665.45	5		
Wash	4		
MEDIUM gray SANDY GRAVEL	5		
662.95	9		
VERY DENSE tan weathered LIMESTONE -25	100/1"		
660.45			
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)

FILE NAME = P:\CBBEL_WEST Projects\2009\124100 IDOT Various Various\Structural\Dgn\Work Order #12 IL 30 Culverts\SN 098-1067\098I067-64F23-009-SoilBoring.dgn

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116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

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PLOT DATE = 06/24/2011	CHECKED - DLS	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

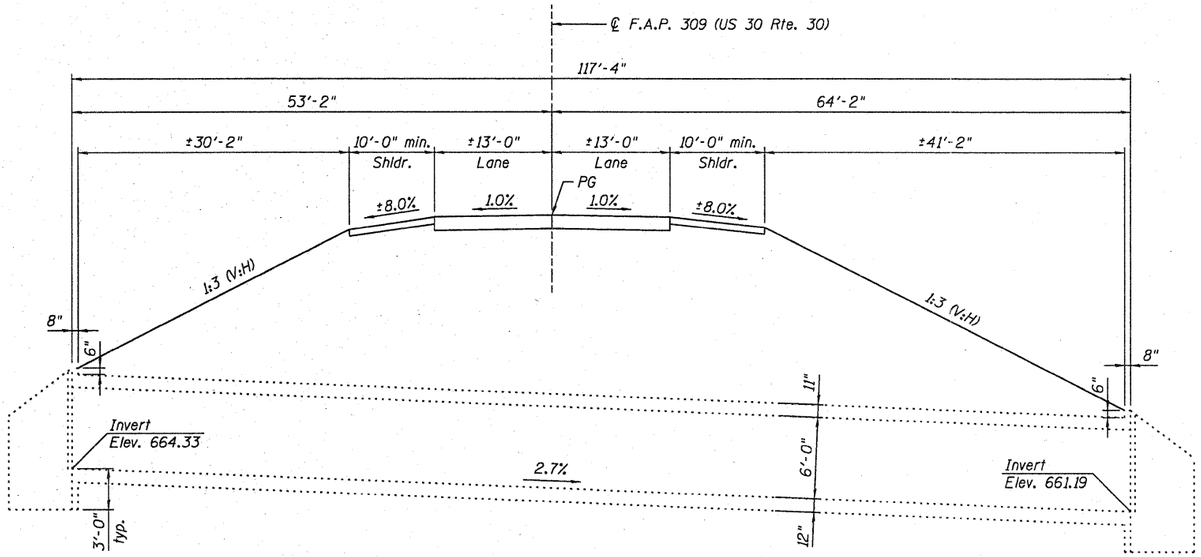
SOIL BORING LOGS
STRUCTURE NO. 098-1067
SHEET NO. 9 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	41
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

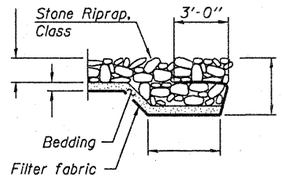
Benchmark: Northeast corner of south headwall, Elevation 668.60

Existing Structure: S.N. 098-1020, built in 1952 as 10' x 6' R.C. box culvert, 116'-0" face to face of headwall with culvert length of 117'-4". The culvert south end section requires rehabilitation. The exisitng wingwalls will be removed and replaced with sheetpile wingwalls. Traffic to be maintained during construction.

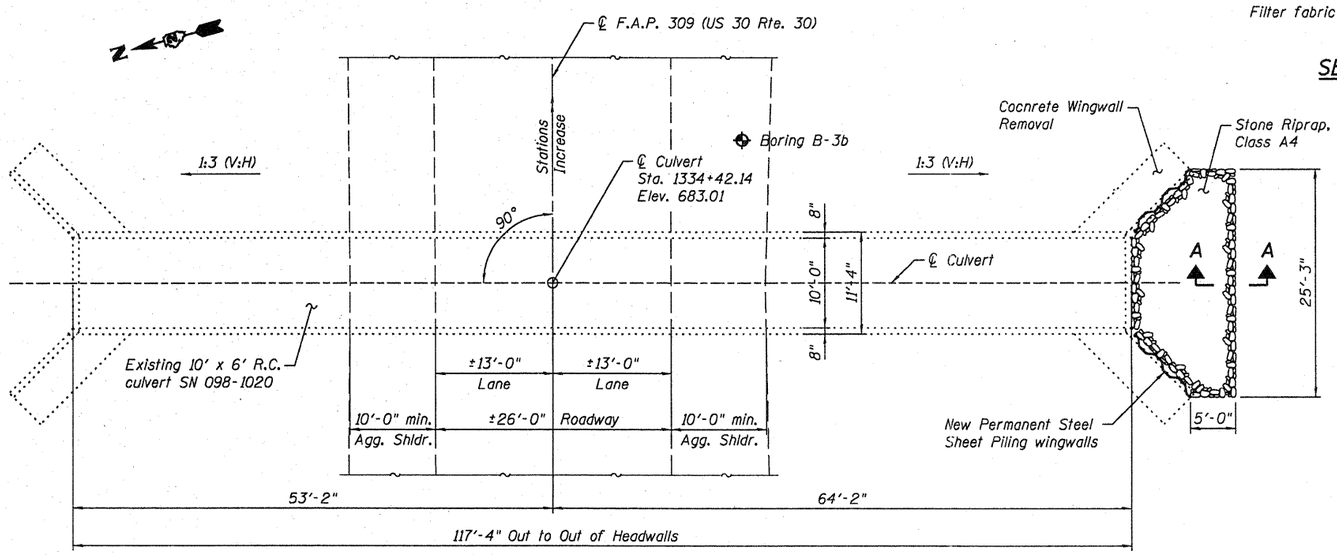
No salvage.



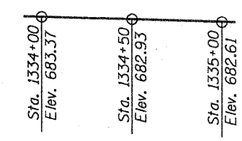
LONGITUDINAL SECTION



SECTION A-A



PLAN



PROFILE GRADE

(along ℄ roadway)

LICENSED STRUCTURAL ENGINEER
DAVID L. SMOOT
081-005861
ST. CHARLES
ILLINOIS
STATE OF ILLINOIS

David L. Smoot

David L. Smoot
Date: 06/24/2011
License Expires: 11/30/2012

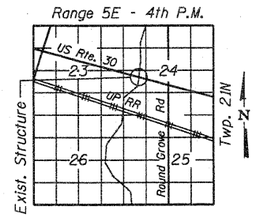
GENERAL NOTES

1. The sheet piling for the wingwalls shall conform to the special provision Permanent Steel Sheet Piling.
2. The minimum section modulus for the Permanent Steel Sheet Piling shall be 5.1 in^3/ft.
3. The fabricated steel cap shall be AASHTO M270 Grade 50W. The cap shall not be paid for separately, but shall be included in the cost for Permanent Steel Sheet Piling.
4. Fasteners shall be AASHTO M164 Type 3.
5. Removal of the existing wingwalls shall conform to Section 501 of the Standard Specifications.
6. Hard driving may be encountered during the sheet piling installation. The Contractor shall select a sheet pile shape to satisfy the section requirements and provide appropriate driving equipment for the soil conditions indicated on the boring log.
7. New coarse aggregate shall be placed behind the existing headwall for the full length of the headwall and shall be 12" wide by 6" high. The coarse aggregate shall be gradation CA 7 or CA 11 material. This item shall not be paid for separately, but shall be included in the coast of Concrete Wingwall Removal.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	28
Filter Fabric	Sq. Yd.	28
Permanent Steel Sheet Piling	Sq. Ft.	335
Concrete Wingwall Removal	Each	1

INDEX OF SHEETS



LOCATION SKETCH

GENERAL PLAN & ELEVATION
US ROUTE 30 OVER UNNAMED TRIBUTARY TO THE ROCK RIVER
F.A.P. RTE 309 - SEC. 15T-1
WHITESIDE COUNTY
STATION 1334+42.14
STRUCTURE NO. 098-1020

FILE NAME = W:\Projects\2010\100120 PTB 157\25\cadd\Structural\Dgn\WD #4 IL 30 ShtPile EndSection\W080120-64F23-001-GPAE.dgn

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St. Charles, Illinois 60174
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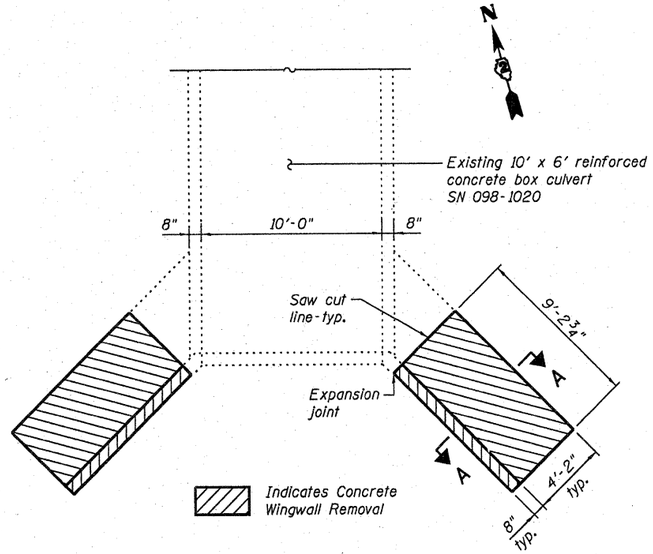
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

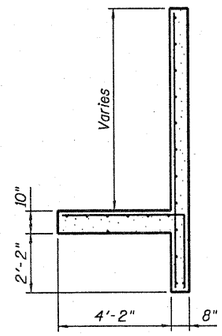
SHEET NO. 1 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	42
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			



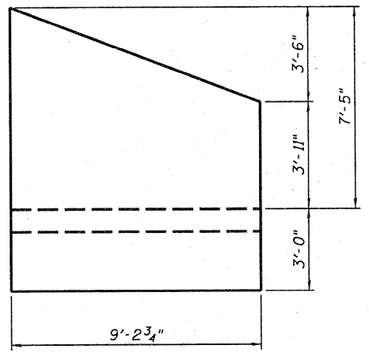
REMOVAL PLAN

Exisitng south end section of 10' x 6' reinforced concrete box culvert - SN 098-1020



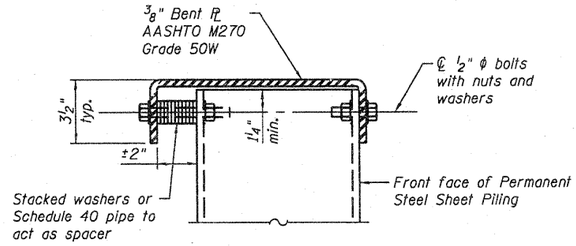
SECTION A-A

Existing reinforced concrete wingwall to be removed



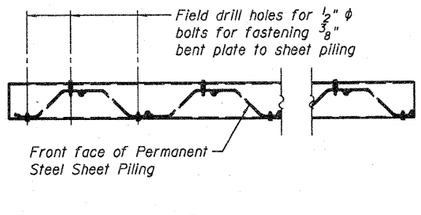
ELEVATION

Existing reinforced concrete wingwall to be removed



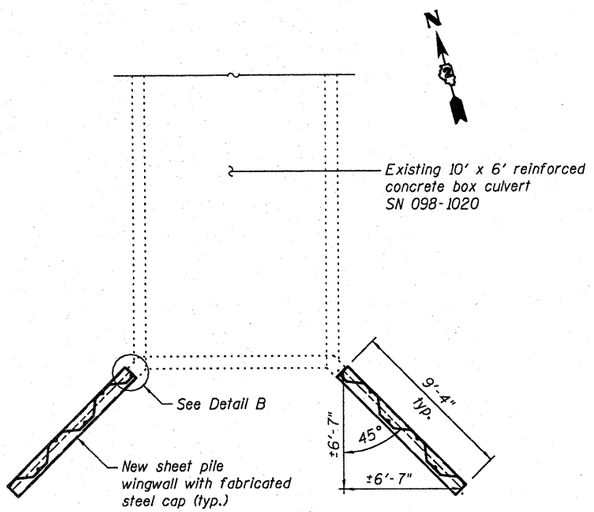
SECTION C-C

Fabricated steel cap



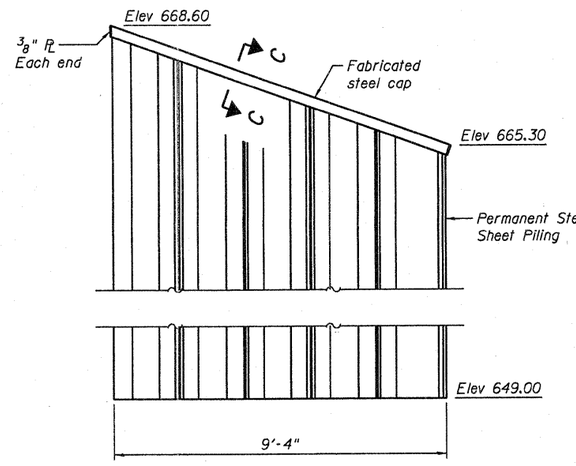
PLAN

Showing connection of fabricated steel cap to Permanent Steel Sheet Piling

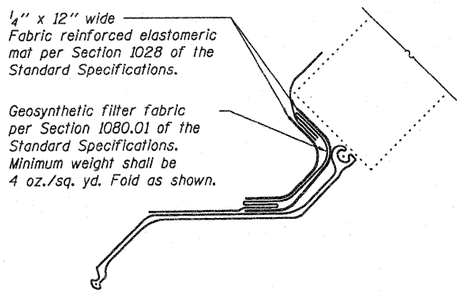


PLAN

Showing new sheet pile wingwalls



WINGWALL ELEVATION



DETAIL B

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END SECTION DETAILS
STRUCTURE NO. 098-1020
SHEET NO. 2 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	43
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 5/4/11

ROUTE FAP 309 DESCRIPTION P92-096-09 Box Culvert on US 30, .3 m. W. of Round Grove Road LOGGED BY W. Garza

SECTION 29T LOCATION Mt. Pleasant Twp. - 24SW, SEC., TWP. 21N, RNG. 5E

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

STRUCT. NO. _____
Station 1334+42

BORING NO. B-3b
Station 1334+58
Offset 21.00ft Rt CL
Ground Surface Elev. 682.50 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter 647.5 ft ▼
Upon Completion 652.5 ft ▽
After ____ Hrs. _____ ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Shoulder				
	680.00			
VERY STIFF light brown SILTY CLAY LOAM		4		
		4	3.7	19.0
	678.50	4	B	
	-5			
VERY STIFF gray SILTY CLAY		0		
		5	2.6	23.0
	676.00	9	P	
VERY STIFF dark gray SILTY LOAM		5		
		5	2.1	25.0
	673.50	7	P	
	-10			
VERY STIFF gray SILTY CLAY LOAM		3		
		5	2.1	24.0
	671.00	7	B	
VERY STIFF gray SILTY CLAY LOAM		5		
		5	2.7	22.0
	668.50	8	B	
	-15			
VERY STIFF gray SILTY CLAY LOAM		5		
		12	3.1	22.0
	666.00	14	B	
VERY STIFF gray SILTY LOAM		6		
		6	3.1	18.0
	663.50	9	P	
	-20			

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY DENSE gray CONCRETE		11		
		16		
	661.00	46		
CONCRETE				
	658.50			
	-25			
End of CONCRETE at 26'				
	656.00			
STIFF gray SILT		3		
		4	1.2	21.0
	653.50	4	S	
	▽-30			
VERY STIFF gray SILT		3		
		6	2.5	17.0
	651.00	8	P	
LOOSE/MEDIUM light gray fine SAND, very moist		3		
		3		
	648.50	7		
	▼-35			
MEDIUM gray medium/fine SAND		4		
		7		
	646.00	11		
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)

FILE NAME = M:\Projects\2010\100120 PTB 157-2B\cadd\Structural\Dgn\MD #4 IL 38 SheetFile EndSection\8981820-64F23-883-Soil Boring.dgn

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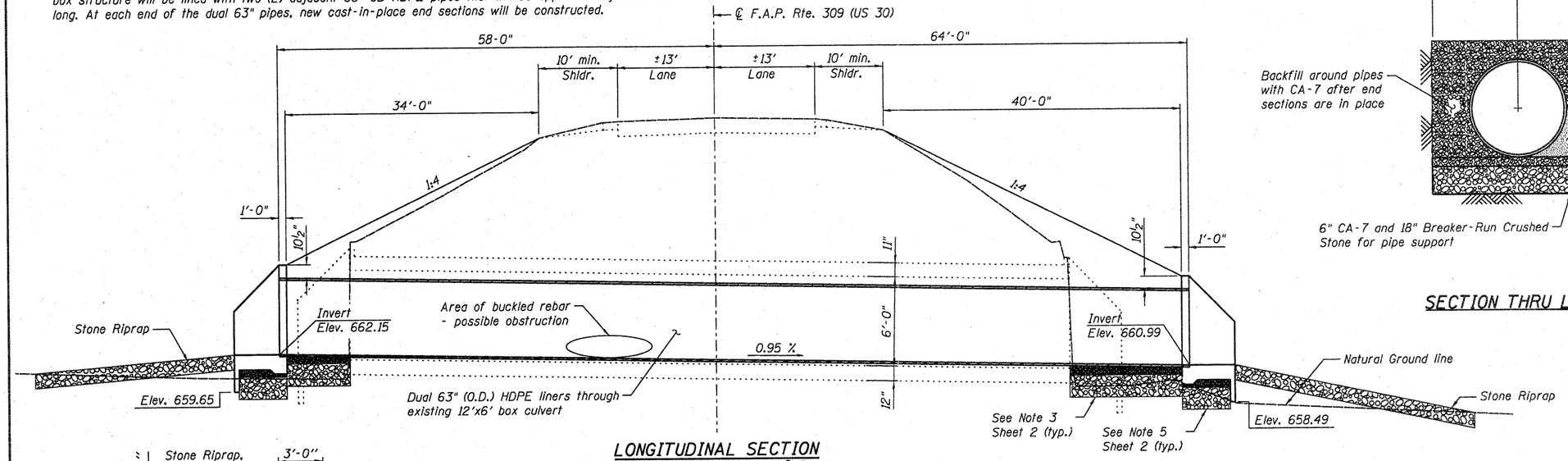
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG
STRUCTURE NO. 098-1020
SHEET NO. 3 OF 3 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	44
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

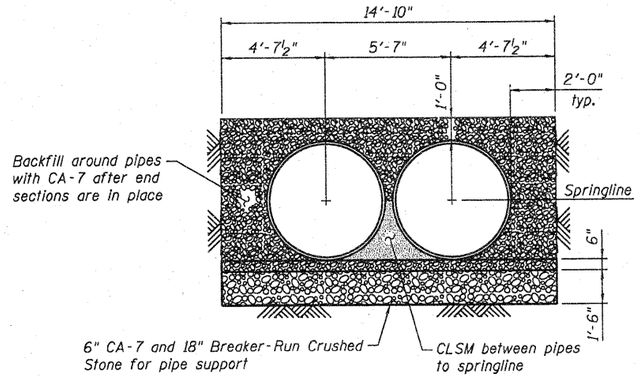
Bench Mark: Point #907237, Pin and Cap GPS Control; North: 1,866,546.79 East: 2,394,133.78
Sta. 1522+19.36, 41.89' Rt, Elev. 653.82

Existing Structure: S.N. 098-1021, built in 1951 as a 12'x 6' R.C. box culvert, approximately 95'-8" face to face of headwall with culvert length of ±97'-0". The existing culvert requires rehabilitation. The existing box structure will be lined with two (2) adjacent 63" OD HDPE pipes that will be approximately 122 feet long. At each end of the dual 63" pipes, new cast-in-place end sections will be constructed.

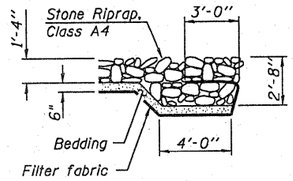


LONGITUDINAL SECTION

Dimensions are at Right Angles to ℄ Roadway except as noted

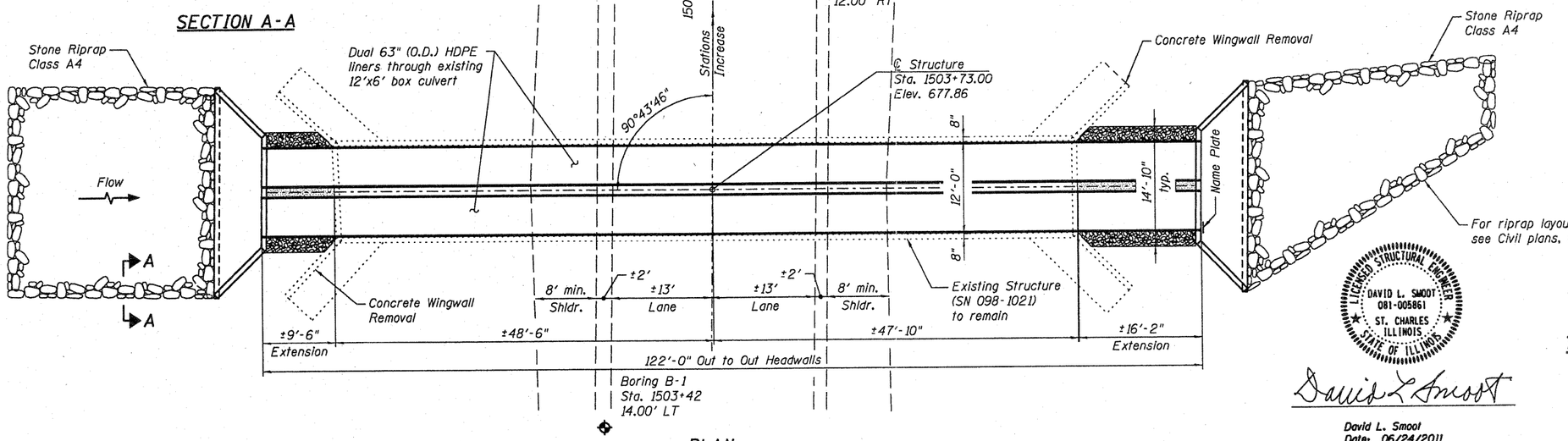


SECTION THRU LINER EXTENSION

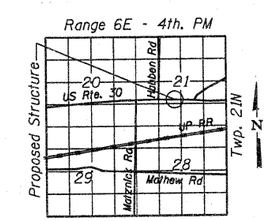


SECTION A-A

INDEX OF SHEETS



PLAN



LOCATION SKETCH

LICENSED STRUCTURAL ENGINEER
DAVID L. SMOOT
081-005861
ST. CHARLES
ILLINOIS
STATE OF ILLINOIS

David L. Smoot
Date: 06/24/2011
License Expires: 11/30/2012

GENERAL PLAN & ELEVATION
US ROUTE 30 OVER UNNAMED TRIBUTARY TO THE ROCK RIVER
F.A.P. RTE. 309 - SEC. 15T-1
WHITESIDE COUNTY
STATION 1503+73.00
STRUCTURE NO. 098-1021

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
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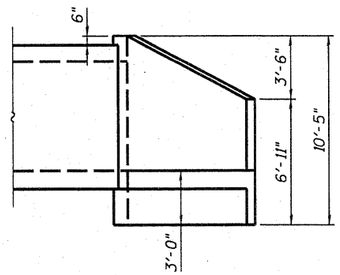
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

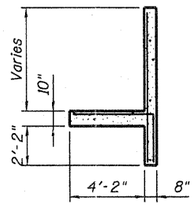
SHEET NO. 1 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	45
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

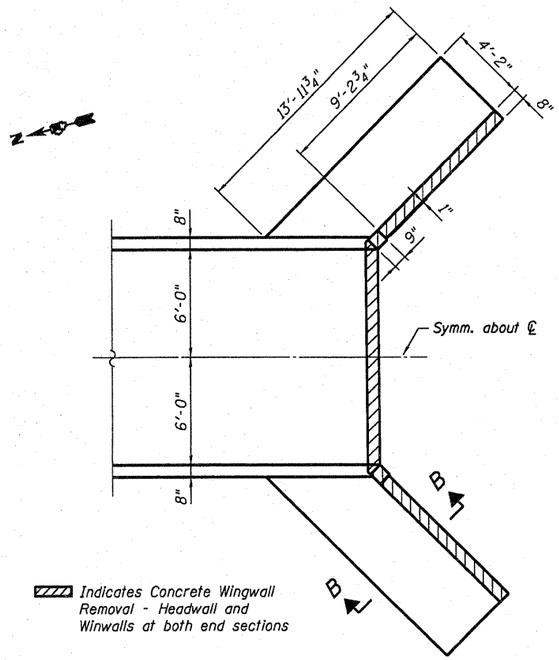
FILE NAME = P:\CBBEL_WEST Projects\2007\124188 IDOT Various Various\Structural\Dgn\Work Order #12 IL 38 Culverts\SN 098-1021\098102164F23-001-CPAE.dgn



ELEVATION



SECTION B-B



PLAN

Showing end section and limits of removal

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal and Disposal of Unsuitable Material	Cu. Yd.	45
Stone Riprap, Class A4	Sq. Yd.	151
Filter Fabric	Sq. Yd.	151
Concrete Structures	Cu. Yd.	19.7
Reinforcement Bars	Pound	1,020
Name Plates	Each	1
Insertion Culvert Liner 60"	Foot	244
Controlled Low-Strength Material	Cu. Yd.	3.4
Breaker-Run Crushed Stone	Ton	61
Concrete Wingwall Removal	Each	2

STATION 1503+73
BUILT 2011 BY
STATE OF ILLINOIS
FAP RTE. 309 - SEC. 15T-1
LOADING HS20
STRUCTURE NO. 098-1021

NAME PLATE
See Std. 515001

GENERAL NOTES

1. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

2. A preliminary inspection indicates there is buckled rebar from the bottom slab that projects up into the culvert. This condition exists approximately 35 feet south of the upstream entrance of the culvert. The Contractor shall visit the site to determine if any conditions exist in the existing culvert that require adjustments prior to liner placement. These conditions will not be cause for additional compensation but shall be included in the cost for Insertion Culvert Liner 60".

3. Between the existing box culvert ends and the new reinforced concrete end sections, removal of unsuitable material and the placement of stone will be required. The unsuitable material will be removed to a depth as directed by the Engineer. To support the 2 - 63" OD HDPE pipes between the existing culvert ends and the new end sections, a 1'-6" layer of Breaker-Run Crushed Stoned capped with a 6" layer of CA 7 shall be provided. To determine quantities, a total depth of 2'-0" has been assumed for the removal of the unsuitable material and stone depth.

   The cost of the CA 7 cap will not be paid for separately, but will be included in the cost for the Breaker-Run Crushed Stone.

   Between the existing culvert ends and the new concrete end sections, Controlled Low-Strength Material shall be placed between the pipes from the top of the CA 7 to the springline of the pipes.

4. After the concrete end sections have been completed, the HDPE pipe lengths, between the existing culvert ends and the new end sections, shall be backfilled with CA 7 as shown in the detail. The cost for the backfill will not be paid for separately but shall be included in the cost for Insertion Culvert Liner 60".

5. Removal of unsuitable material and a stone base will also be required under the new end section aprons. The unsuitable material will be removed to a depth as directed by the Engineer. A 1'-6" layer of Breaker-Run Crushed Stone capped with a 6" layer of CA 7 shall be provided. To determine quantities, a depth of 2'-0" has been estimated for the removal depth and stone depth. The CA 7 stone will not be paid for separately, but shall be included in the cost for the Breaker-Run Crushed Stone.

6. The coarse aggregate behind the headwalls and the filter fabric covering for the openings shall not be paid for separately, but shall be included in the cost for Concrete Structures.

7. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.

8. Precast end sections are not allowed.

FILE NAME = P:\DBBEL WEST Projects\2009\124100 IDOT Various Locations\Structural\Dgn\Work Order #12 IL 38 Culvert\SN #98-1021\098181121-64F23-R02-GenData.dgn

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116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

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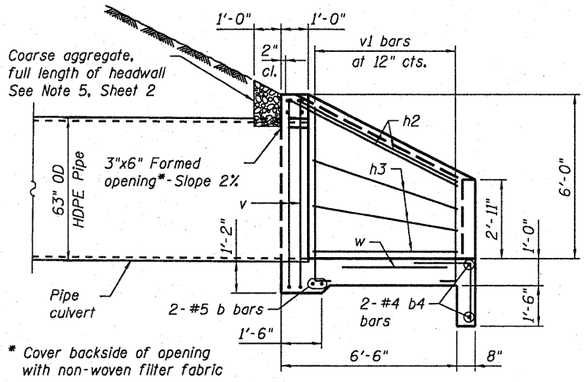
FILE NAME =	CHECKED - AEU	REVISED -	
PLOT SCALE =	DRAWN - DLS	REVISED -	
PLOT DATE = 06/24/2011	CHECKED - AEU	REVISED -	

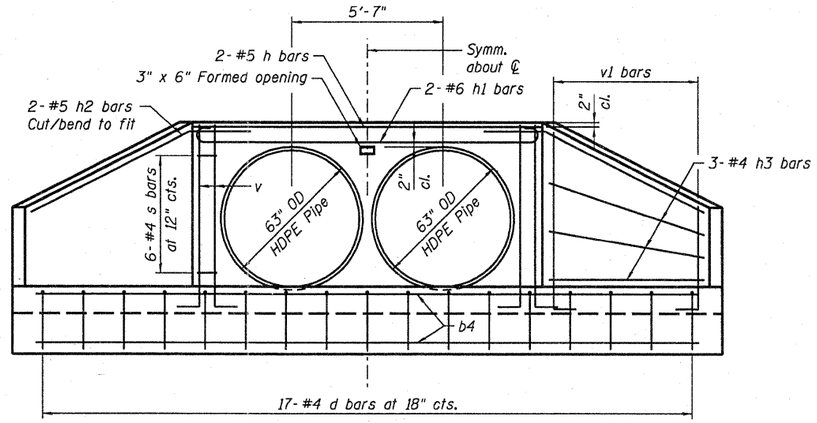
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA - GENERAL NOTES AND BILL OF MATERIAL
STRUCTURE NO. 098-1021
SHEET NO. 2 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	46
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

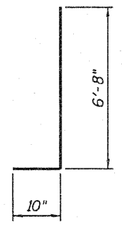


HALF SIDE ELEVATION/SECTION

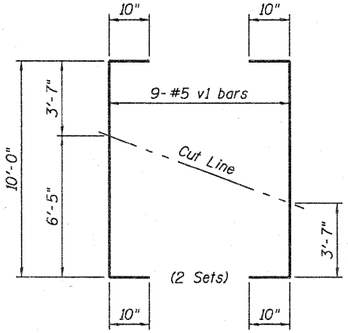


END ELEVATION

Prior to the placement of concrete for the headwall, the Contractor has the option of setting the pipes inside the headwall formwork or forming the openings for the 63" OD HDPE pipes and inserting the pipe sections after the concrete has cured. If the pipes are inserted into the formwork prior to the placement of concrete, sufficient support shall be installed inside the pipe ends to prevent deformations or displacements to the HPDE pipe ends. If the circular openings for the pipe are formed and the pipe sections are installed after the concrete has cured for the headwall, the Contractor shall provide for sealing around any gap between the pipe and the formed opening with a nonshrink grout according to Section 1024 of the Standard Specifications. The Contractor shall submit his work plan for review and approval by the Engineer prior to the start of work.

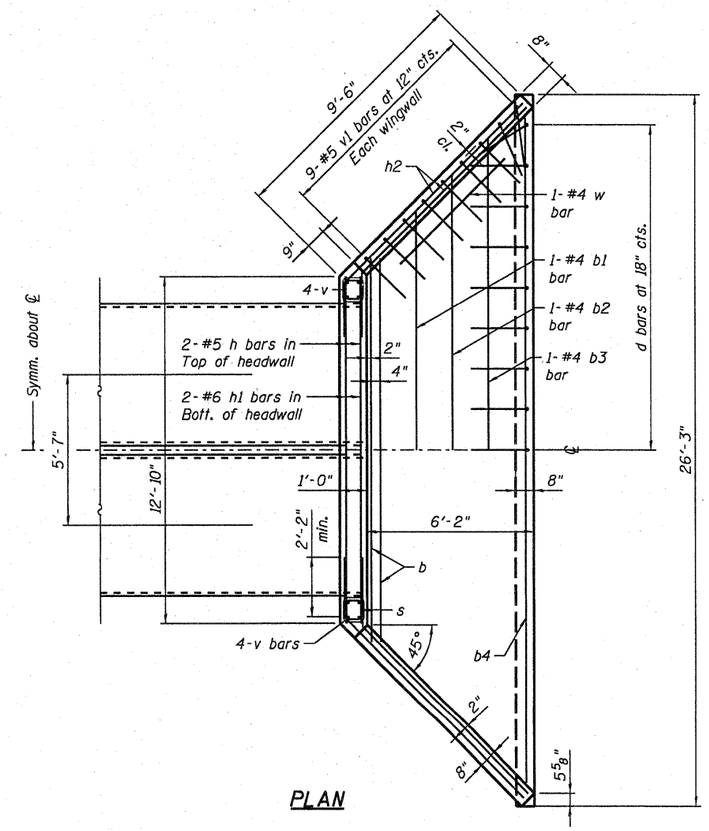


BAR v

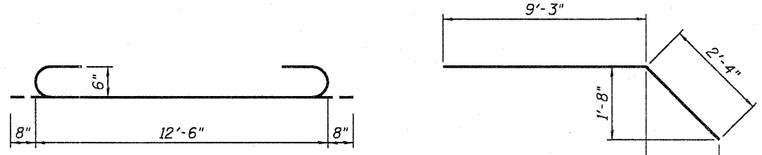


FIELD CUTTING DIAGRAM

Order bars full length. Cut as shown and use remainder of bars in opposite wingwall.

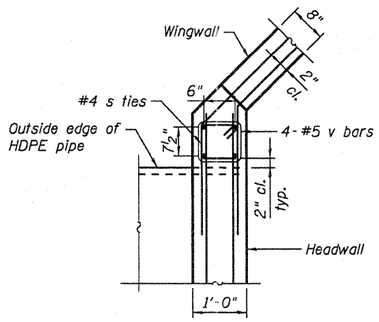


PLAN

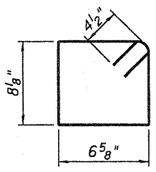


BAR h1

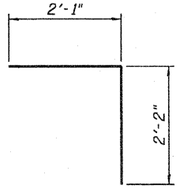
BAR h2



CORNER DETAIL



BAR s



BAR d

BILL OF MATERIAL

(2 End Sections)

Bar	No.	Size	Length	Shape
b	4	#5	14'-2"	
b1	2	#4	17'-8"	
b2	2	#4	20'-4"	
b3	2	#4	23'-0"	
b4	4	#4	24'-6"	
d	34	#4	4'-3"	
h	4	#5	12'-6"	
h1	4	#6	13'-10"	
h2	8	#5	11'-7"	
h3	12	#4	8'-3"	
s	24	#4	3'-2½"	
v	16	#5	7'-6"	
v1	18	#5	11'-8"	
w	4	#4	5'-6"	
Concrete Structures			Cu. Yd.	19.7
Reinforcement Bars			Pound	1,020

FILE NAME = P:\CBBEL WEST Projects\2009\124100 IDOT Various Varoush\Structural\Dgn\Work Order #12 IL 38 Culverts\SN 098-1021\098l021-64F23-003-Details.dgn

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FILE NAME = | CHECKED - AEU | REVISED -
PLOT SCALE = | DRAWN - DLS | REVISED -
PLOT DATE = 06/24/2011 | CHECKED - AEU | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

END SECTION DETAILS
STRUCTURE NO. 098-1021
SHEET NO. 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	47
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 1/3/01

ROUTE US 30 DESCRIPTION US 30 culvert, .2 mile west of Emerson Road LOGGED BY W. Garza

SECTION . LOCATION Hopkins Twp. - SW, SEC. 21, TWP. 21N, RNG. 6E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. N/A
Station 503 + 79

BORING NO. B-1
Station 503 + 48
Offset 14.00ft Lt CL
Ground Surface Elev. 99.8 ft

Surface Water Elev. 81.5 ft
Stream Bed Elev. 81.0 ft

Groundwater Elev.:
First Encounter 82.3 ft ▼
Upon Completion 78.3 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF brown CLAY LOAM		1.5 P	17
97.30			
frozen brown SILTY CLAY LOAM	13 9 9		20
95.80			
-5			
VERY STIFF gray SILTY CLAY	4 5 5	3.0 P	23
93.30			
STIFF gray SILTY CLAY with GRAVEL	3 3 5	1.2 P	28
90.80			
-10			
VERY STIFF gray olive green SILTY LOAM with COAL	4 5 5	2.25 P	24
88.30			
STIFF blue-ish green SILTY LOAM	2 4 5	1.32 B	24
85.80			
-16			
SOFT gray SILTY CLAY TILL	1 1 2	0.44 S	37
83.30			
MEDIUM gray SILTY CLAY TILL with ORGANICS	0 1 2	0.82 B	29
80.80			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM gray SILT		0.7 P	22
78.30▽			
SOFT gray SILTY TILL with SAND lens	2 5 6	0.44 S	19
75.30			
-25			
MEDIUM gray top till tanish gray dirty SAND & GRAVEL	6 9 10		
73.30			
MEDIUM gray dirty SAND & GRAVEL	8 7 6		
70.30			
-30			
MEDIUM gray weathered LIMESTONE	20 11 13		
68.30			
MEDIUM gray weathered LIMESTONE with SAND lens	10 15 9		
65.30			
-35			
VERY SOFT white SILTY SAND lens on top	15 7 2	0.0 B	37
62.80			
VERY DENSE white-ish gray weathered LIMESTONE	100/5"		
60.80			
-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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 1/3/01

ROUTE US 30 DESCRIPTION US 30 culvert, .2 mile west of Emerson Road LOGGED BY W. Garza

SECTION . LOCATION Hopkins Twp. - SW, SEC. 21, TWP. 21N, RNG. 6E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. N/A
Station 503 + 79

BORING NO. B-1
Station 503 + 48
Offset 14.00ft Lt CL
Ground Surface Elev. 99.8 ft

Surface Water Elev. 81.5 ft
Stream Bed Elev. 81.0 ft

Groundwater Elev.:
First Encounter 82.3 ft ▼
Upon Completion 78.3 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY DENSE white-ish gray weathered LIMESTONE	100/11"		
58.80			
End of Boring			
-45			
-50			
-55			
-60			

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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 1/4/01

ROUTE US 30 DESCRIPTION US 30 culvert, .2 miles west of Emerson Road LOGGED BY W. Garza

SECTION . LOCATION Hopkins Twp. - SW, SEC. 21, TWP. 21N, RNG. 6E

COUNTY Whiteside DRILLING METHOD Hollow Stem Auger HAMMER TYPE Diedrich Automatic

STRUCT. NO. N/A
Station 503 + 79

BORING NO. B-2
Station 504 + 06
Offset 12.00ft Rt CL
Ground Surface Elev. 100.3 ft

Surface Water Elev. 81.5 ft
Stream Bed Elev. 81.0 ft

Groundwater Elev.:
First Encounter 92.8 ft ▼
Upon Completion 81.3 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
frozen brown SILTY CLAY			21
98.80			
STIFF brown SILTY CLAY	10 8 9	2.0 P	19
96.30			
-5			
MEDIUM olive-green brown SILTY CLAY TILL	4 6 7	1.65 B	22
93.80			
VERY STIFF Same as above with weathered LIMESTONE lens	2 5 9	2.89 B	22
91.30			
-10			
MEDIUM gray SILTY CLAY	3 2 4	0.8 B	33
88.80			
SOFT gray SILTY LOAM	1 3 3	0.3 S	33
86.30			
-15			
MEDIUM dark gray SILTY CLAY		0.7 B	29
83.80			
SOFT gray SILT with ORGANICS and SAND lens	1 1 2	0.25 P	12
80.80			
-20			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF gray tan SILTY CLAY TILL	1 2 6	3.9 B	15
78.80			
HARD gray SILTY CLAY TILL with COAL	6 7 6	7.01 B	14
76.30			
-25			
HARD gray SILTY CLAY TILL	5 6 8	5.15 B	15
73.80			
HARD gray SILTY CLAY TILL, bottom 6" dirty SAND & GRAVEL	7 11 15	4.95 B	13
70.80			
-30			
VERY DENSE white-ish gray weathered LIMESTONE	100/10"		
68.80			
VERY DENSE white-ish gray tan weathered LIMESTONE	67.30 100/2"		
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)

FILE NAME = P:\CBBEL WEST Projects\2008\124100 IDOT Various Various\Structural\Dgn\Work Order #12 IL 38 Culverts\SN 098-1021\098102I-64F23-004-SoilBoring.dgn

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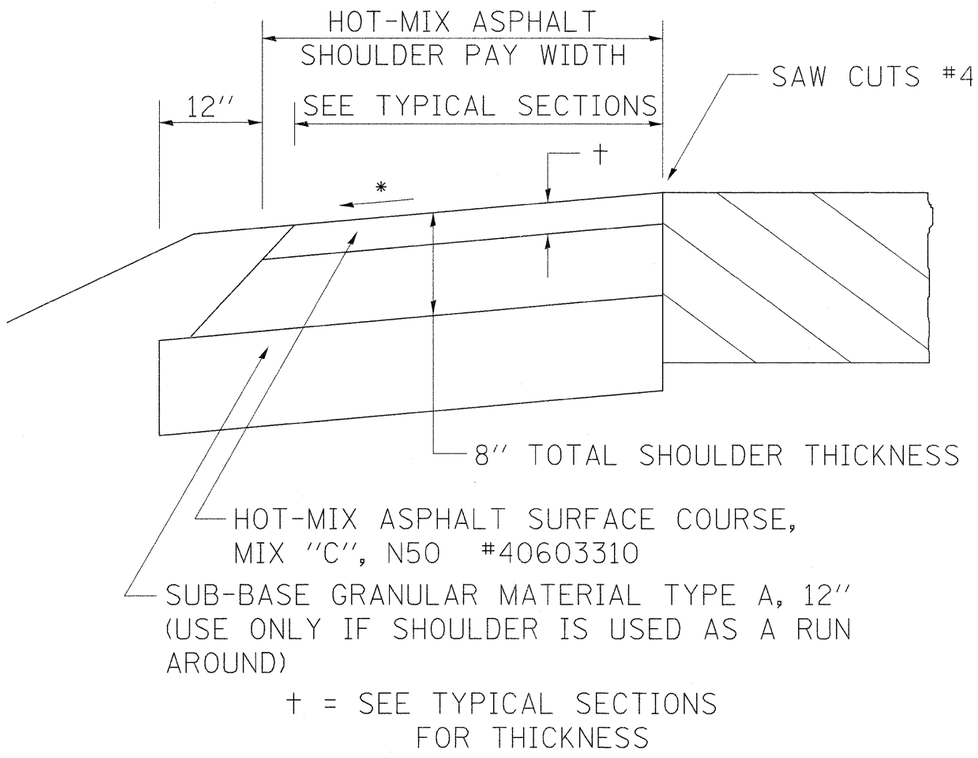
PLOT SCALE =	DRAWN - DLS	REVISED -	
PLOT DATE = 06/24/2011	CHECKED - AEU	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 098-1021
SHEET NO. 4 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	48
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

HOT-MIX ASPHALT SHOULDER DETAIL



† = SEE TYPICAL SECTIONS FOR THICKNESS

= EXISTING PAVEMENT

GENERAL NOTES

SAW CUT QUANTITY TO BE USED AT THE DICRETION OF THE ENGINEER TO PROVIDE A NICE STRAIGHT EDGE ALONG THE EXISTING PAVEMENT.

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, 6 1/2''.

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.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

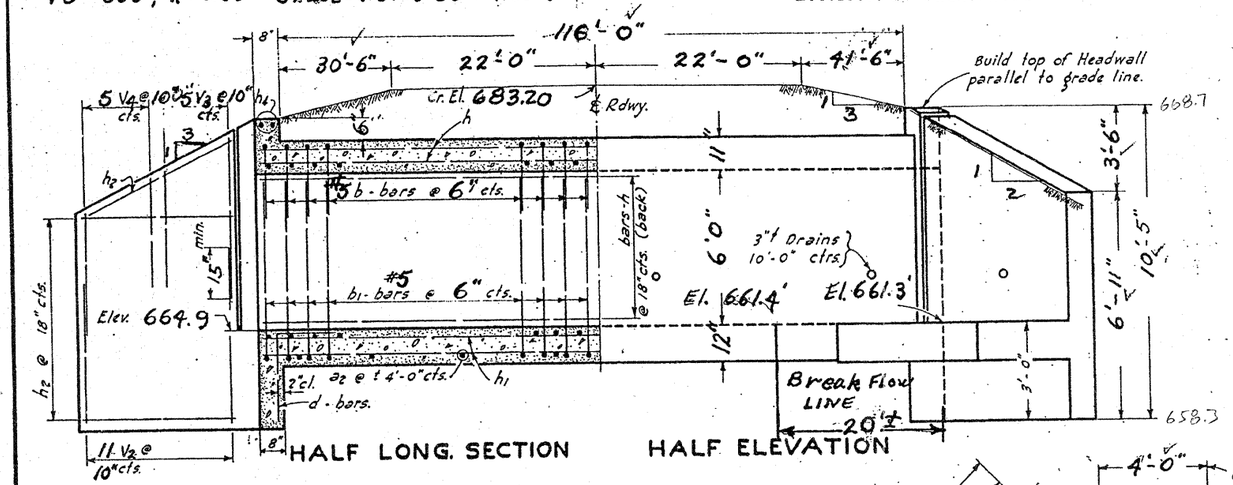
FILE NAME = c:\pw_work\pwidot\hensonke\d0133232\D208609-sht-details.dgn	USER NAME = hensonke	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HOT-MIX ASPHALT SHOULDER DETAIL	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -			309	15T-1	WHITESIDE	74	49
	PLOT DATE = Fri Jun 24 07:44:32 2011	CHECKED -	REVISED -					CONTRACT NO. 64F23		
		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

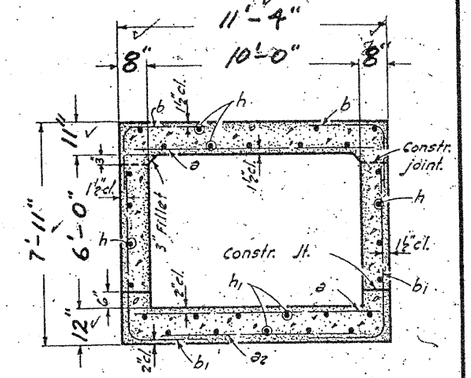
P.I. 337+25 El. 680.41'
VC = 600, X = 3.00 Grade - 1.00% to + 4.00%

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

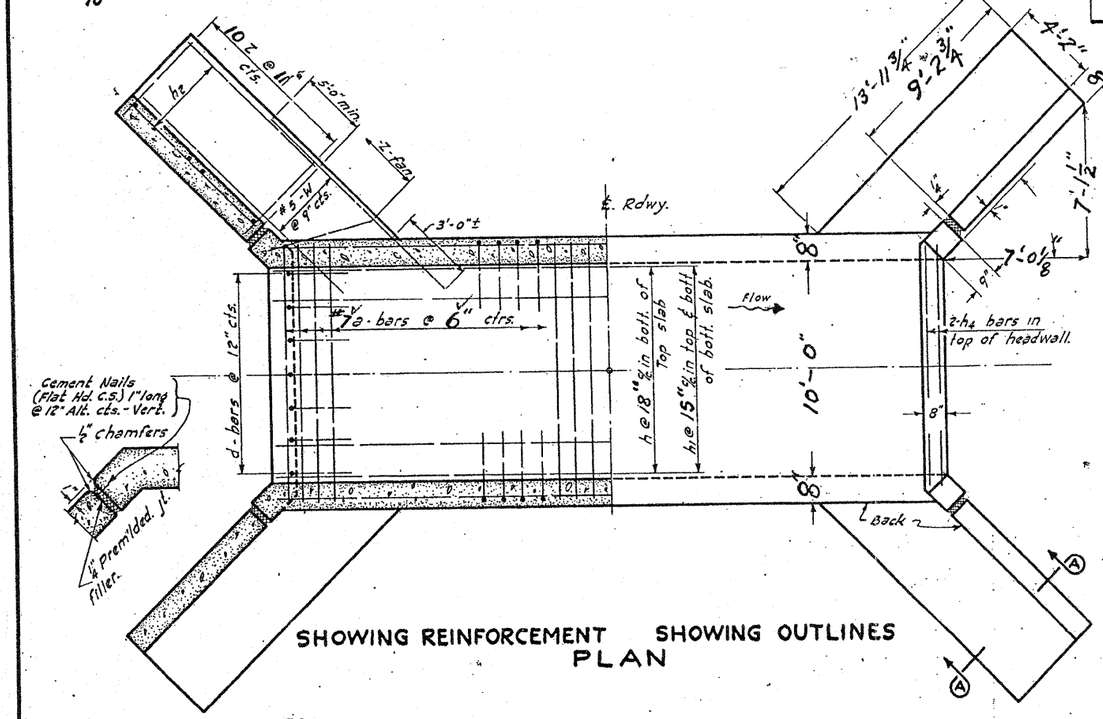
BOND ISSUE ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6	(15,16,29)R	Whiteside	90	75
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 1 / 1 SHEETS

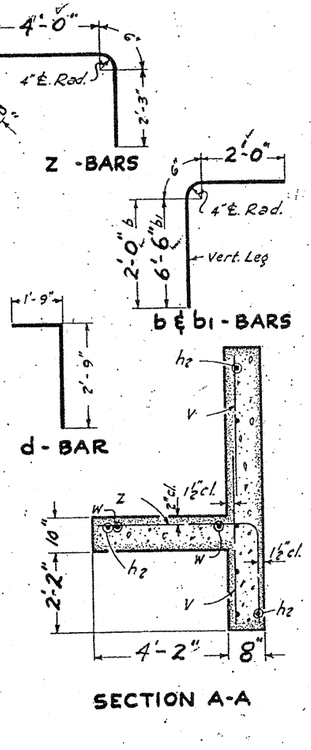




SECTION THRU BARREL



SHOWING REINFORCEMENT SHOWING OUTLINES
PLAN



SECTION A-A

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH
a	470	#7	11'-0"
a2	30	#4	7'-6"
b	480	#5	4'-6"
b1	480	#5	9'-0"
d	20	#4	4'-6"
h	95	#4	24'-6"
h1	85	#5	24'9"
h2	32	#4	9'-0"
h4	4	#6	10'-6"
V2	44	#4	5'-0"
V3	20	#4	5'-9"
V4	20	#4	4'-0"
W	24	#5	12'-6"
Z	40	#5	6'-9"
Class "X" Concrete Cu. Yds.			445
Reinforcement bars Lbs.			22,270

Note:- All bars shall be round ASTM. A305-49. The size number is the number of ⅛ inches in the nominal diameter.

STANDARD	COMPUTED	FRZ
	CHECKED	
	DRAWN B. H. Wood.	
	CHECKED	
SPECIAL	ASSEMBLED D.C. 1-52	
	CHECKED M.L.M.	

EXAMINED 10-29 1952
W. E. Hanson BRIDGE ENGINEER
PASSED E. P. Shaver ENGINEER OF BRIDGES
APPROVED D. H. Banke CHIEF HIGHWAY ENGINEER

GENERAL NOTES
Class X concrete shall be used thru-out.
Exposed edges shall be beveled ¾"
For backfilling & embankment see Standard specifications.

fs = 20,000 #/□"
fc = 1200 #/□"
n = 10
H-20 LOADING

Sta. 330+18
SBI Rte. 6 Sec. (15,16,29)R

Footing & Reinf. Revised - 11-50 - J.S.M.

FILE NAME = c:\pw_work\pwidot\hensonke\d0133232\D0208609-sht-gennote.dgn	USER NAME = hensonke	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Jun 23 15:29:35 2011	DATE -	REVISED -

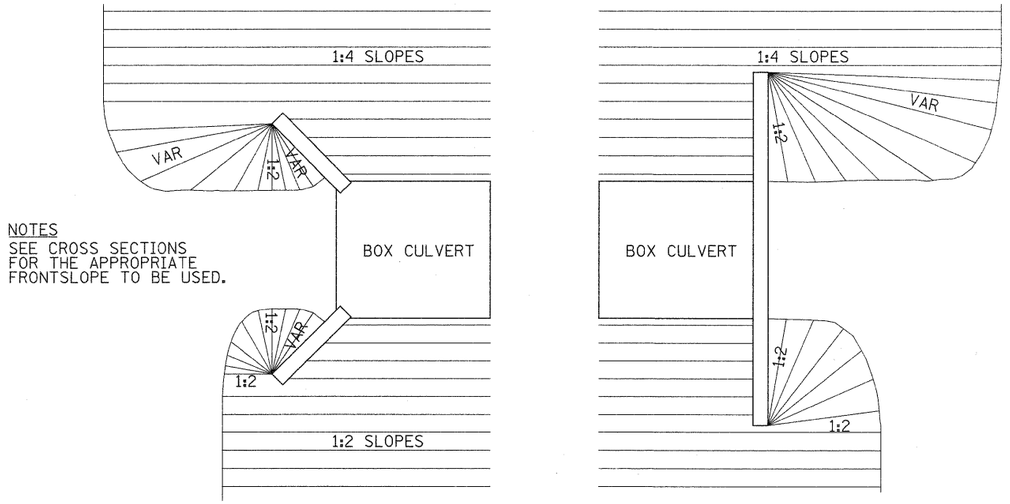
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
EXITING STRUCTURE PLANS 098-10

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	50
		CONTRACT NO. 64F23		
ILLINOIS	FED. AID PROJECT			

GRADING AROUND WINGWALLS

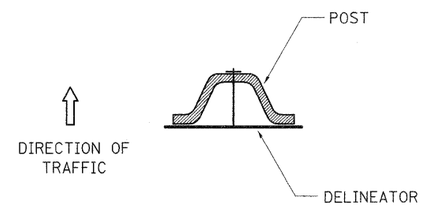


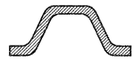
NOTES
SEE CROSS SECTIONS FOR THE APPROPRIATE FRONTSLOPE TO BE USED.

5-27-09

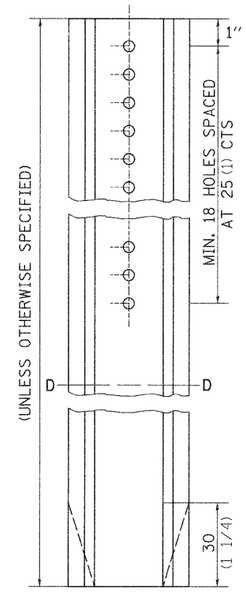
GRADING AROUND WINGWALLS 20.4

DELINEATOR AND POST ORIENTATION





SECTION D-D



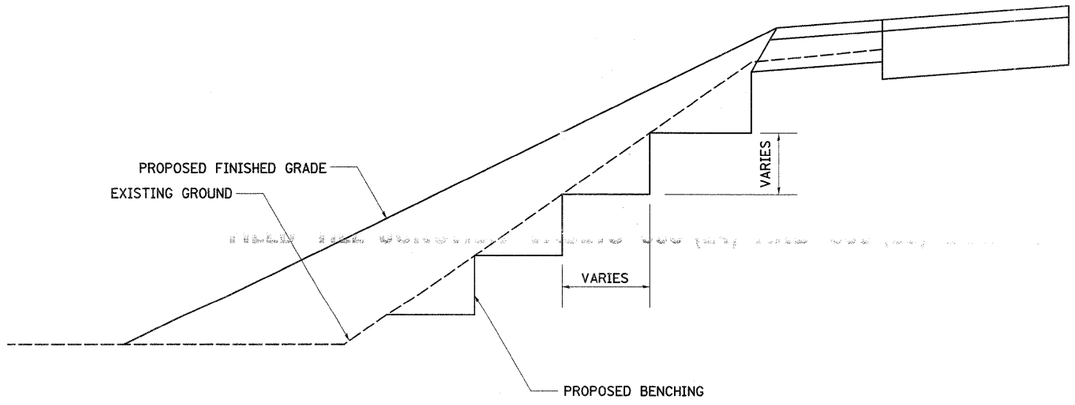
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180° . THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

TYPICAL BENCHING ON EXISTING EMBANKMENT



REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

STOP LINE SIGN FOR TEMPORARY SIGNALS

SIZE: 600(24) x 600(24)

100(4) CAPITAL LETTERS - BLACK

13(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.

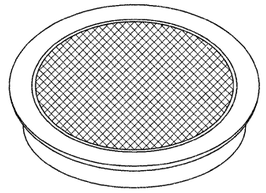
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 1-22-07	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED -		309	15T-1	WHITESIDE	74 / 51
REVISED -				CONTRACT NO. 64F23	
REVISED -	SCALE: 20.0000 ' / in. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

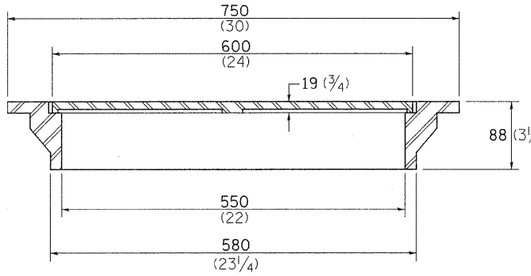
PLOT DATE = Fri Jun 24 07:44:32 2011

STOP LINE SIGN FOR TEMPORARY SIGNALS 99.4

FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA.

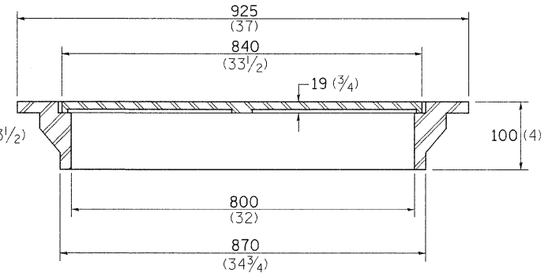


FRAME & LID FOR 600 (24) VAULT

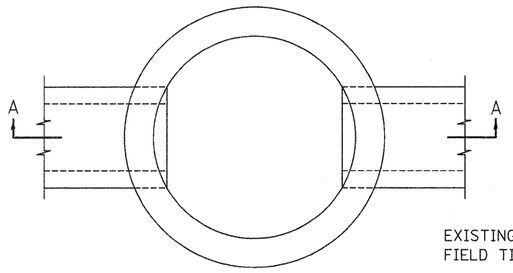


TOTAL WEIGHT: 66 Kg (146 lbs)

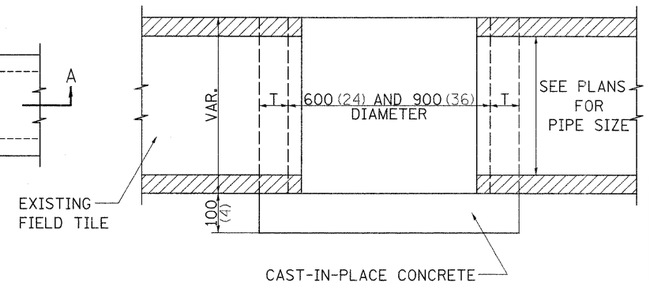
FRAME & LID FOR 900 (36) VAULT



TOTAL WEIGHT: 127 Kg (280 lbs)



PLAN

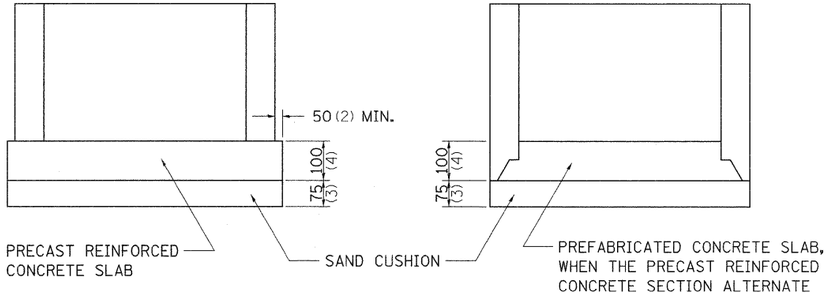


SECTION A-A

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	200 (8)
CAST-IN-PLACE CONCRETE	150 (6)
CONCRETE MASONRY UNIT	125 (5)
PRECAST REINFORCED CONCRETE SECTION	75 (3)

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

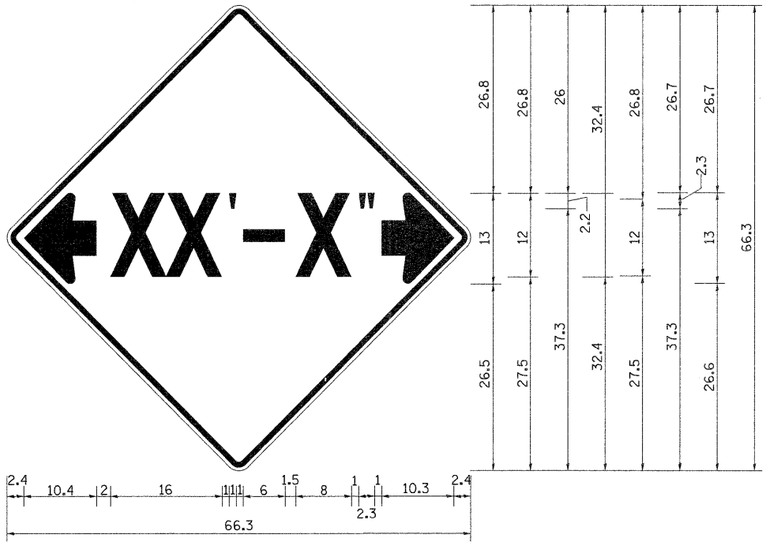
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



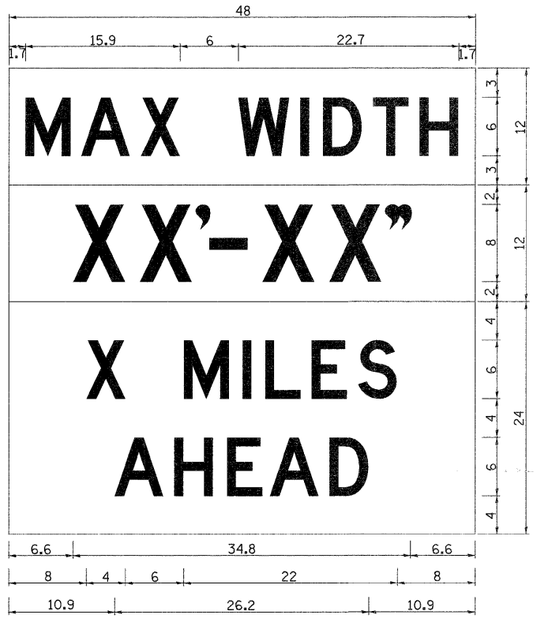
ALTERNATE METHODS

REVISED - 5-03-94

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;

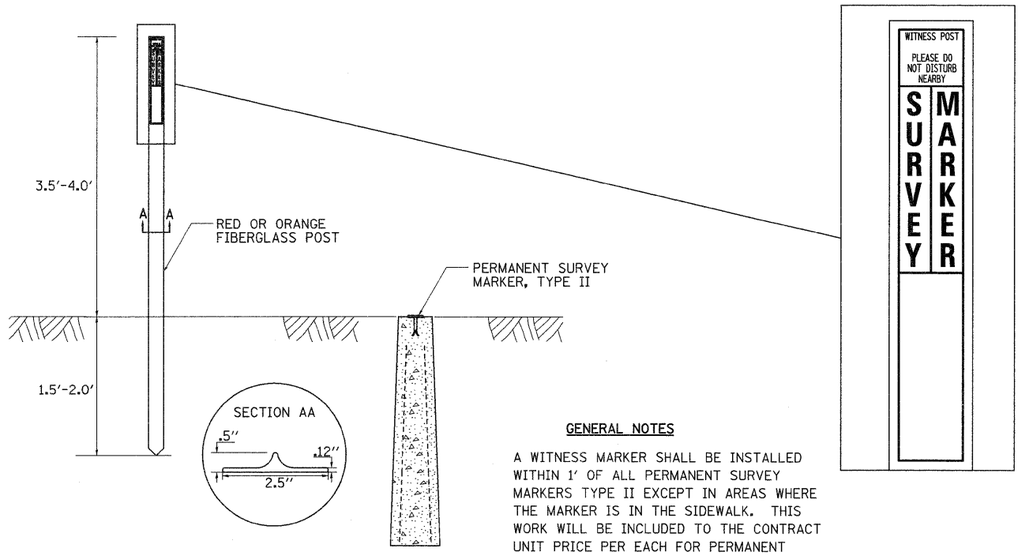
All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		309	15T-1	WHITESIDE	74	52
REVISED -				CONTRACT NO. 64F23		
REVISED -	SCALE: 20.0000 '/ in SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLOT DATE = Fri Jun 24 07:44:33 2011

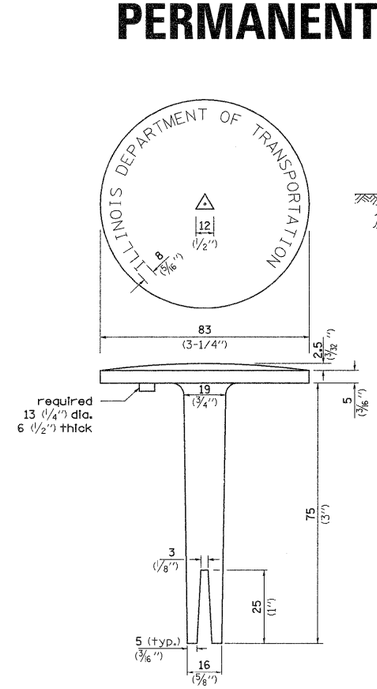
WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



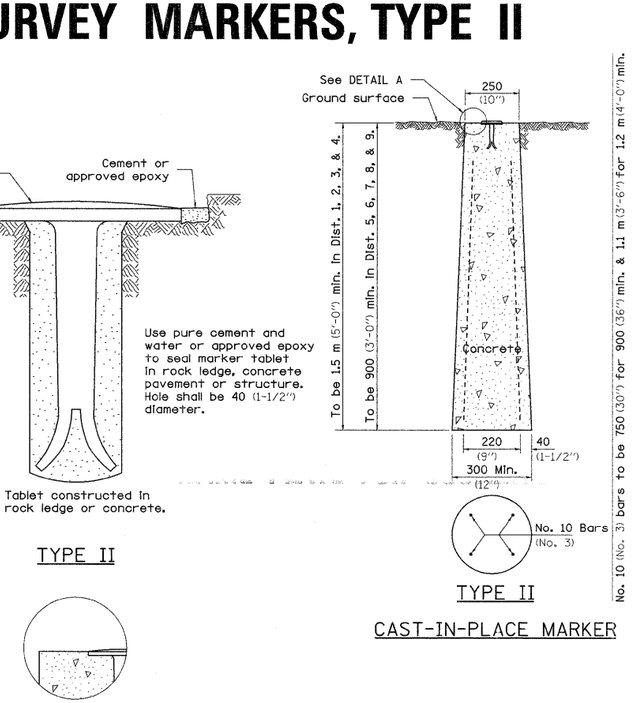
GENERAL NOTES

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

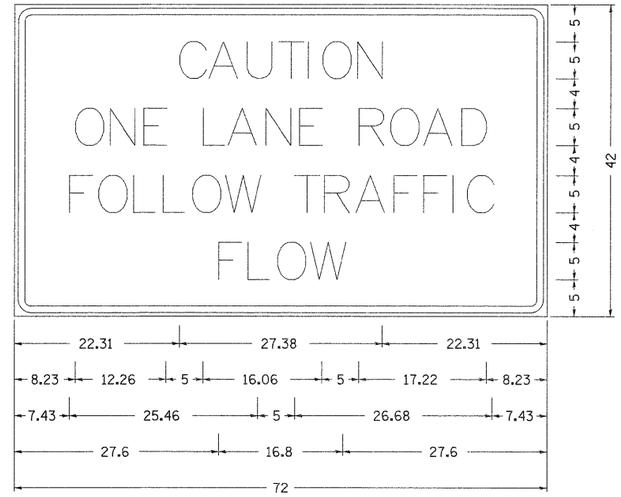
TYPE II

CAST-IN-PLACE MARKER

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 4-4-11

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.

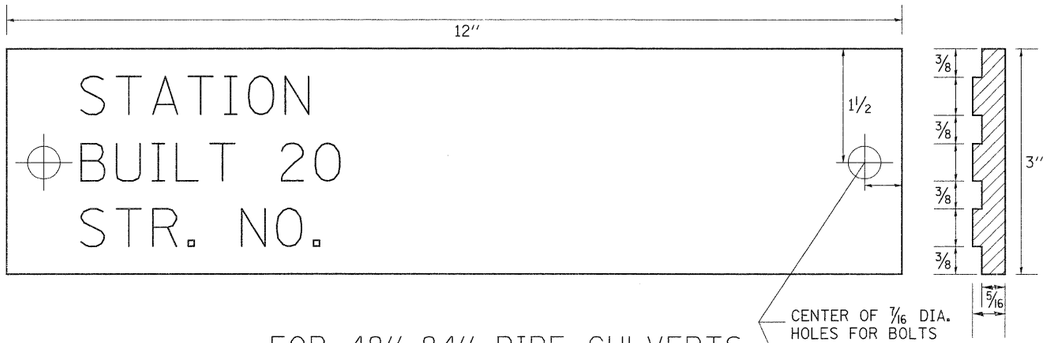
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 10-28-05	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		309	15T-1	WHITESIDE	74	53
REVISED -				CONTRACT NO. 64F23		
REVISED -	SCALE: 20.0000 '/ in. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

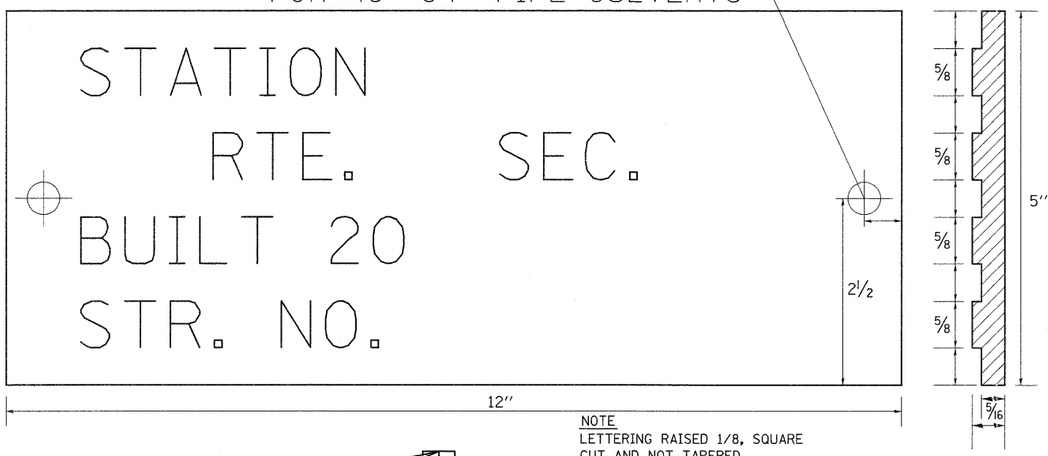
PLOT DATE = Fri Jun 24 07:44:37 2011

NAME PLATE FOR CULVERTS

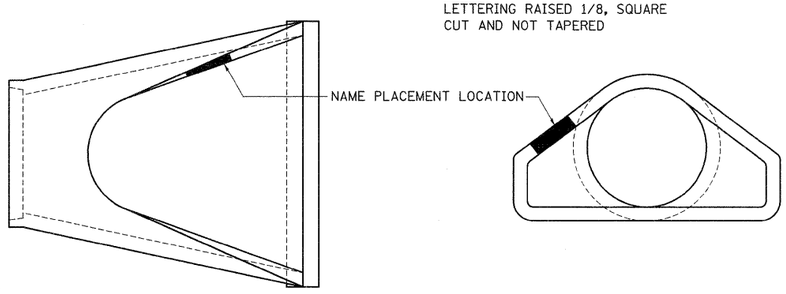
FOR 24″-42″ PIPE CULVERTS



FOR 48″-84″ PIPE CULVERTS



NOTE
LETTERING RAISED 1/8, SQUARE CUT AND NOT TAPERED



DESIGNERS NOTE

NAME PLATES SHALL BE FURNISHED & INSTALLED ACCORDING TO SECTION 515 OF THE STANDARD SPECIFICATIONS, EXCECT 2 BOLTS SHALL BE USE TO FASTEN THE PLATE TO THE END SECTION.

USE STANDARD 515001 FOR BRIDGES AND MULTI-CELL CULVERTS WITH SPANS OF 20′ OR MORE MEASURED ALONG THE CENTERLINE AT THE HIGHWAY.

USE THIS DETAIL FOR ALL OTHER PIPE CULVERTS & BOX CULVERTS WITH STRUCTURE NUMBERS. INCLUDE THE INFORMATION TO FILL OUT THE NAME PLATE FOR EACH CULVERT.

IN BOTH CASES INCLUDE A PAY ITEM FOR NAME PLATES.

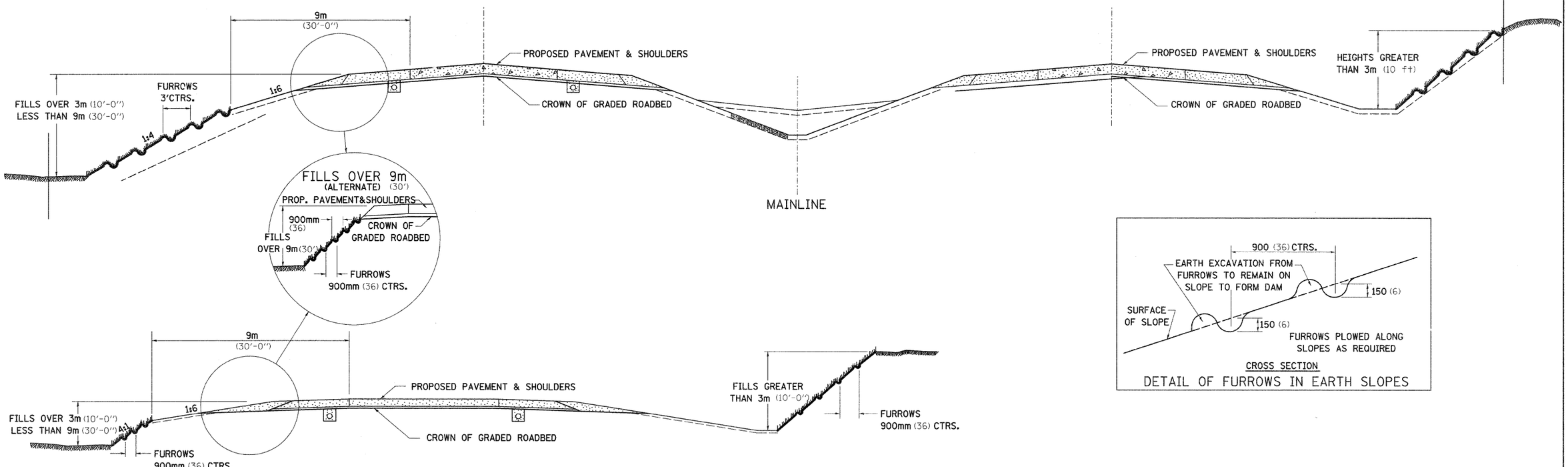
STATION	STRUCTURE NO.

REVISED - 5-27-09

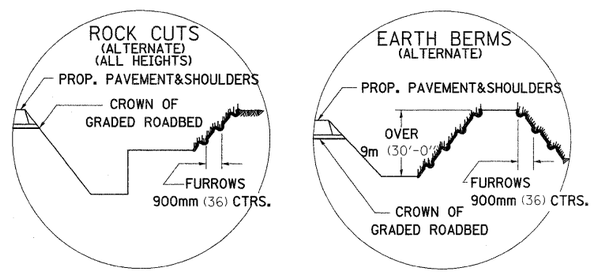
REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		309	15T-1	WHITESIDE	74	54
REVISED -				CONTRACT NO. 64F23		
REVISED -	SCALE: 2.0000 ′ / in. SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

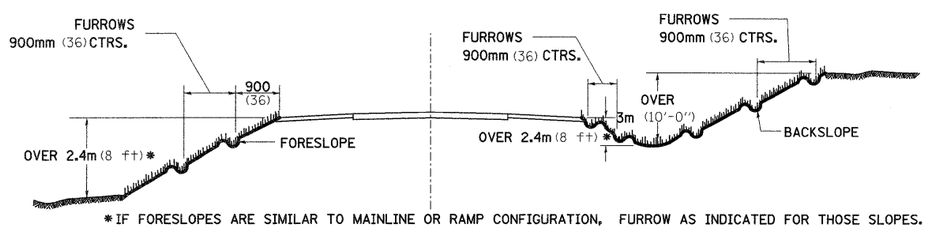
PLOT DATE = Fri Jun 24 07:44:38 2011

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 MILLIMETERS (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 3m (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 3m (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.

FILE NAME = c:\pw_work\pwidot\hensonke\d0133232\D2003609-sht-details.dgn	USER NAME = hensonke	DESIGNED -	REVISED - 1-15-08
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Jun 24 07:44:33 2011	DATE -	REVISED -

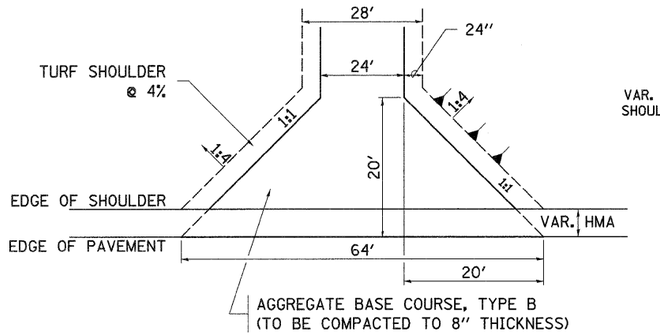
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

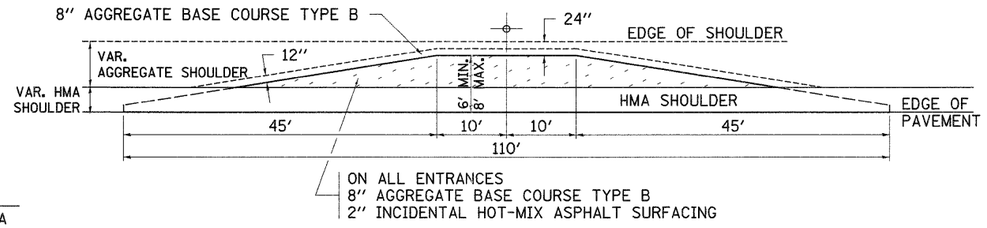
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	55
		CONTRACT NO. 64F23		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS



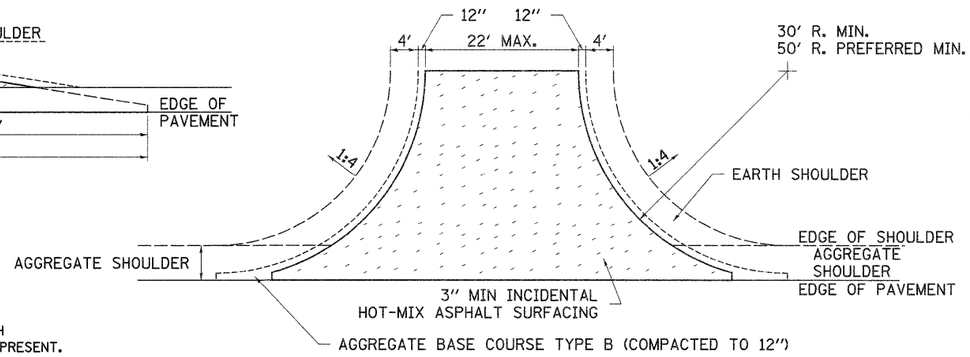
FIELD ENTRANCE



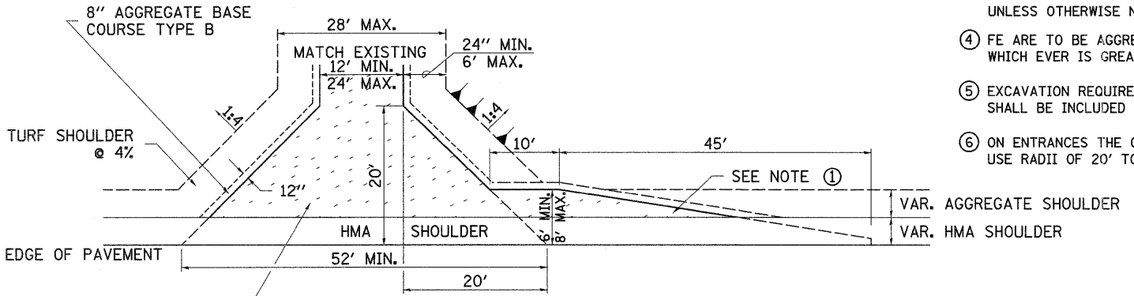
MAILBOX TURNOUT

NOTE

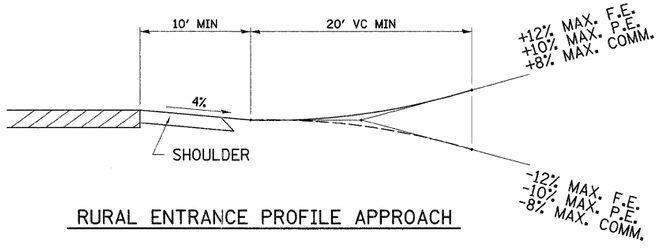
1. TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
2. ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
3. ALL PE & CE TO BE CONSTRUCTED WITH AN 8″ AGGREGATE BASE COURSE, TYPE B AND WITH A 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′.



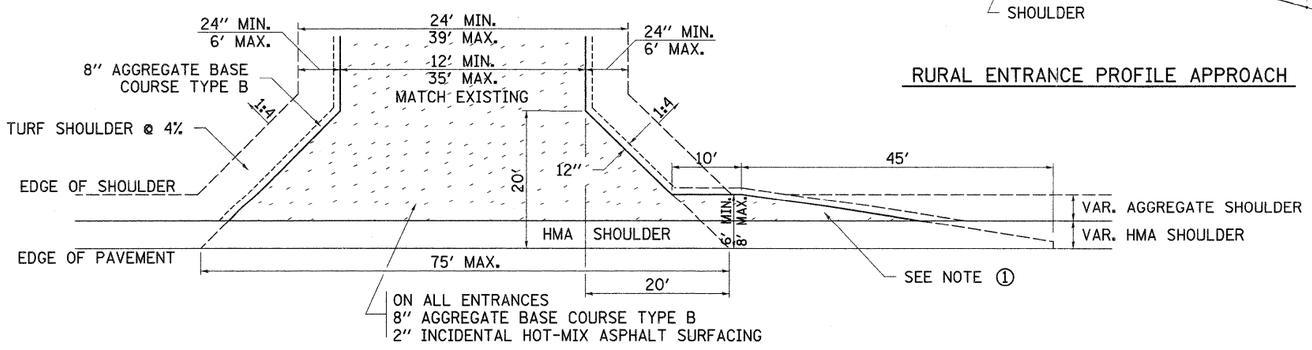
SIDE ROAD RETURN/EARTH SHOULDER



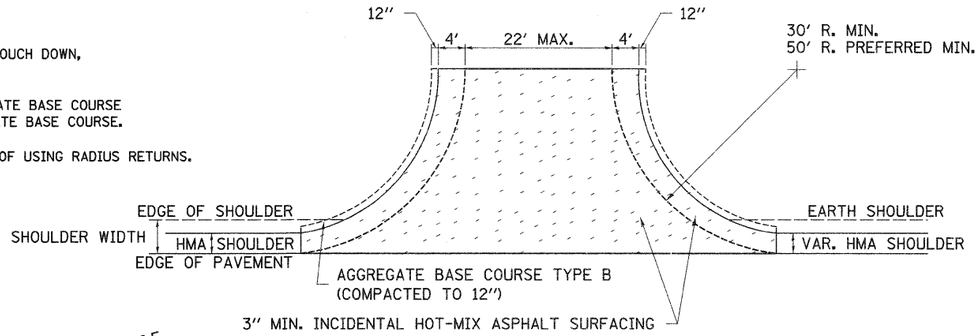
PRIVATE ENTRANCE



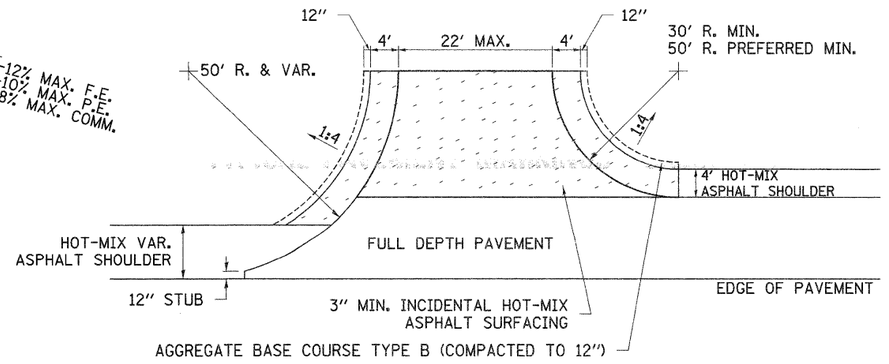
RURAL ENTRANCE PROFILE APPROACH



COMMERCIAL ENTRANCE



SIDE ROAD RETURN/HMA SHOULDER

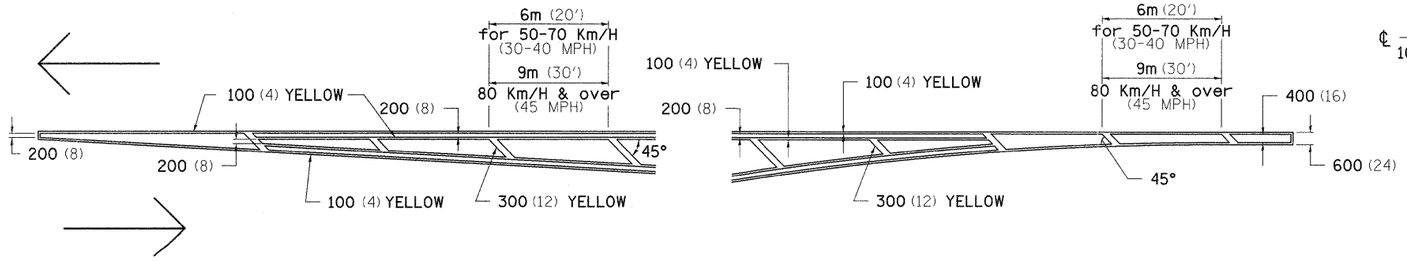


SIDE ROAD RETURN WITH RIGHT TURN LANE

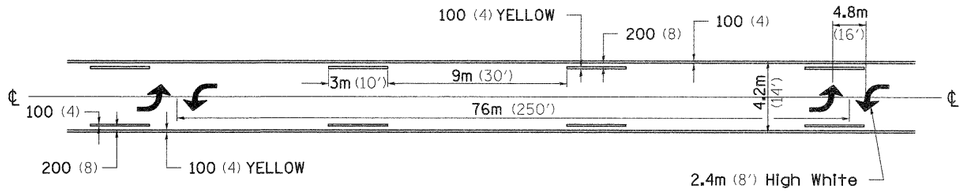
FILE NAME = c:\pw_work\pwidot\hensonke\d0133232\D208609-sht-details.dgn	USER NAME = hensonke	DESIGNED -	REVISED - 12-07-10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000 ′ / in.	DRAWN -	REVISED -			309	15T-1	WHITESIDE	74	56
	PLOT DATE = Fri Jun 24 07:44:34 2011	CHECKED -	REVISED -					CONTRACT NO. 64F23		
		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

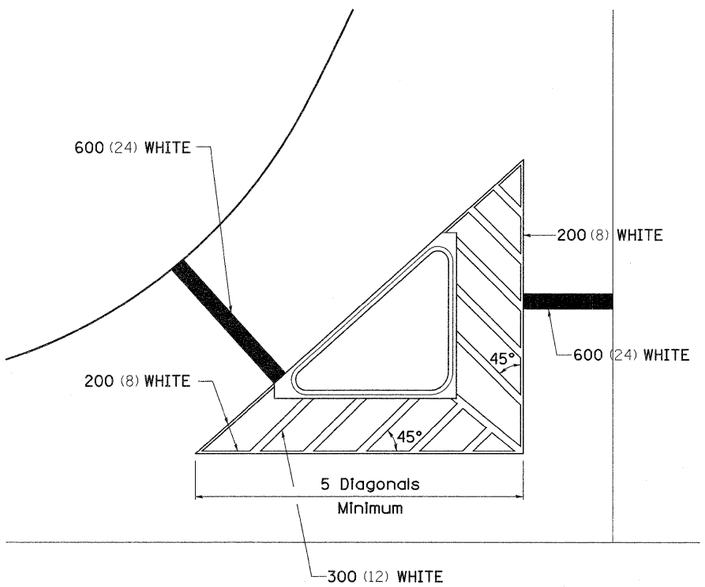


MEDIAN PAVEMENT MARKING

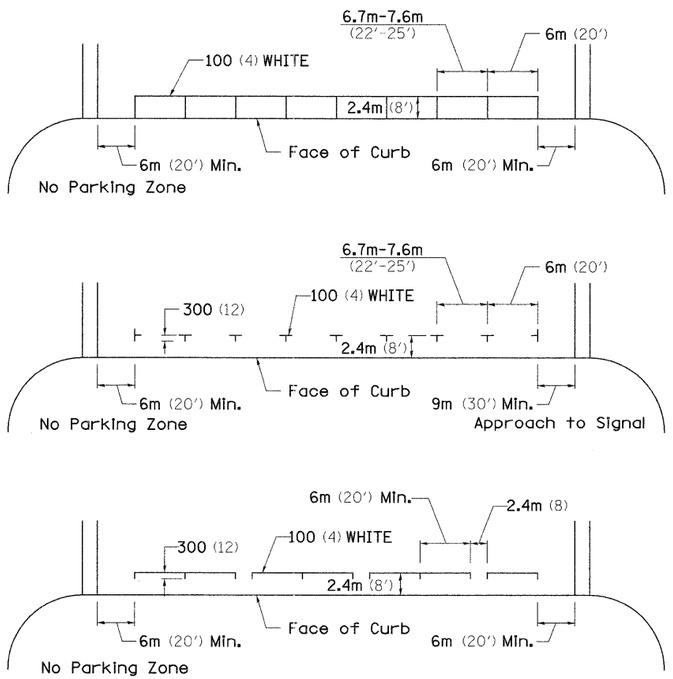


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

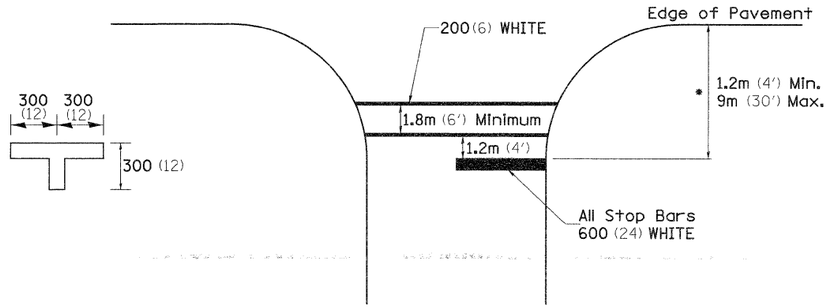


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations



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

FILE NAME = c:\pw_work\pwidot\hensonke\d0133232\D208609-sht-details.dgn	USER NAME = hensonke	DESIGNED -	REVISED - 10-21-08
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Jun 24 07:44:35 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

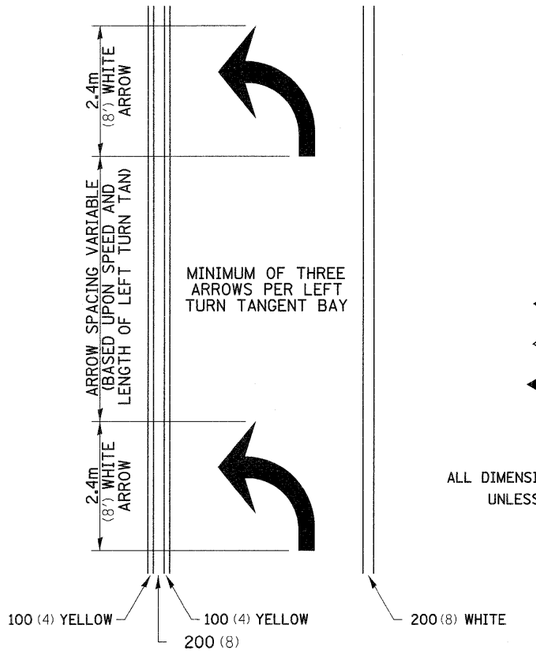
SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	57
		CONTRACT NO. 64F23		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 3 41.1

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT



TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN

RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (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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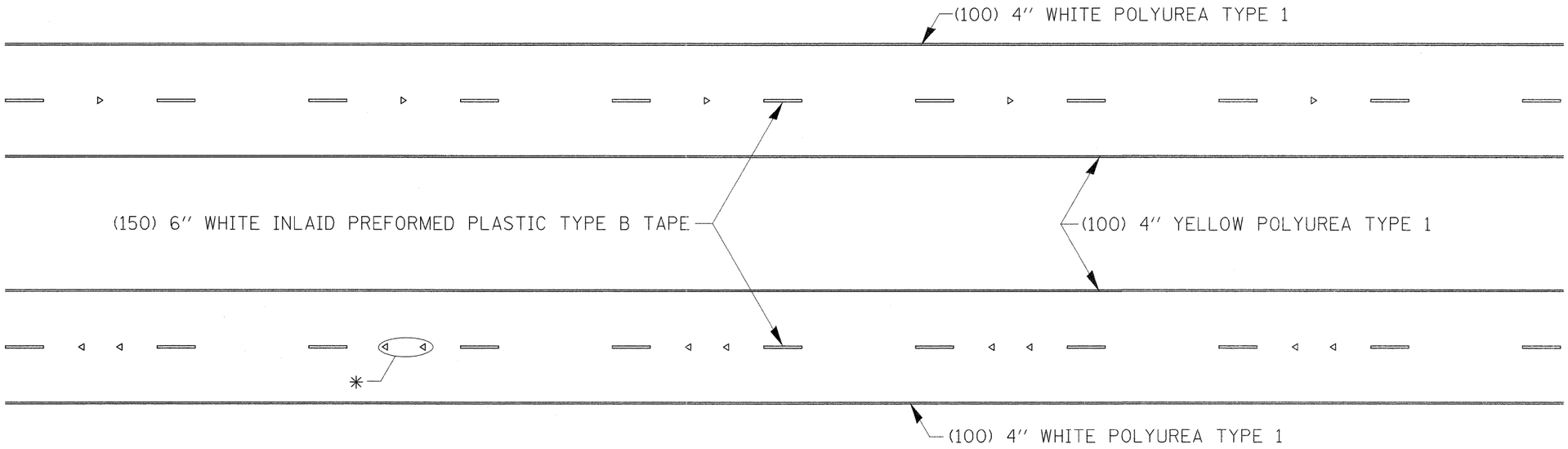
	PLOT DATE = Fri Jun 24 07:44:35 2011	CHECKED -	REVISED -		
		DATE -	REVISED -		

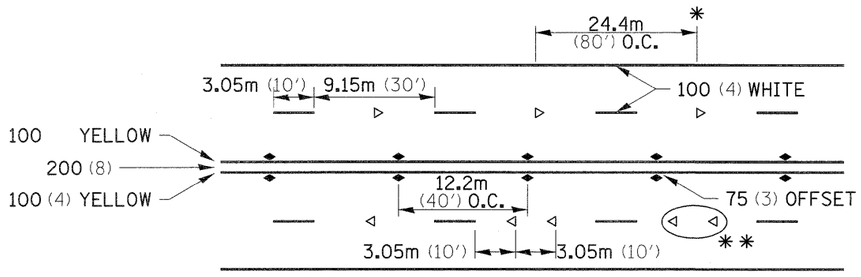
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	58
		CONTRACT NO. 64F23		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
  USE DOUBLE MARKERS WHEN ADT ≥ 25,000.

MULTI–LANE / DIVIDED



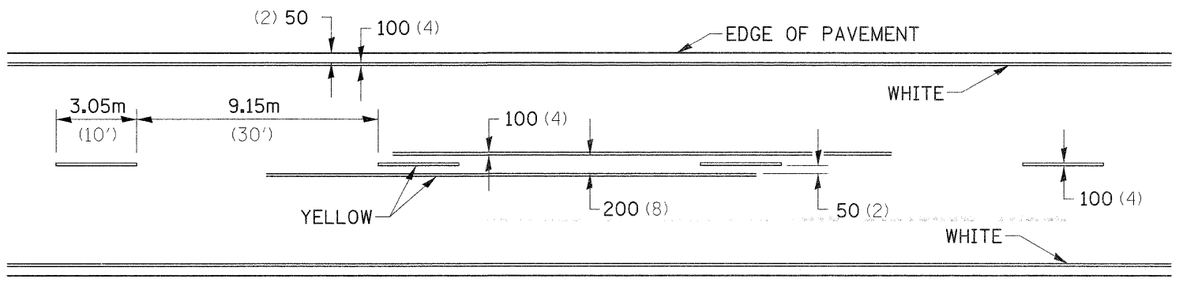
SYMBOLS

* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT ≥ 25,000

MULTI–LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



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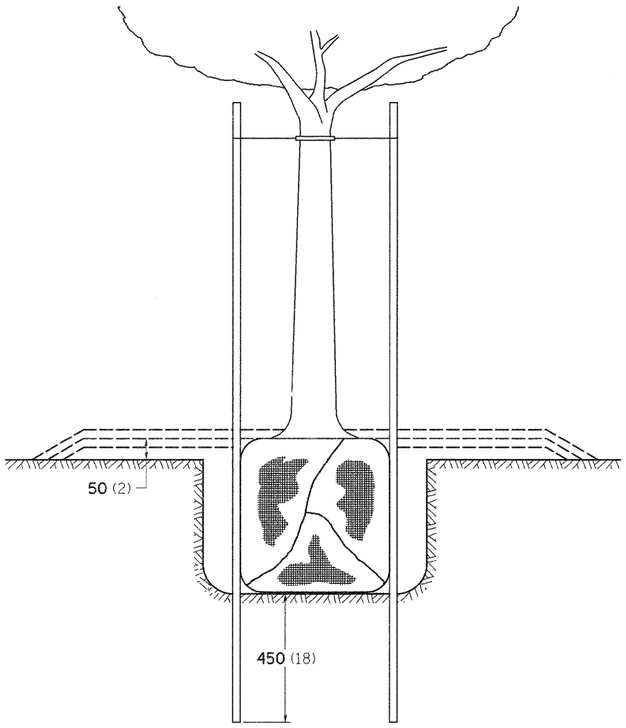
	PLOT SCALE = 20.0000 ' / in.	DRAWN -	REVISED -					309	15T-1	WHITESIDE	74	59
	PLOT DATE = Fri Jun 24 07:44:36 2011	CHECKED -	REVISED -							CONTRACT NO. 64F23		
		DATE -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

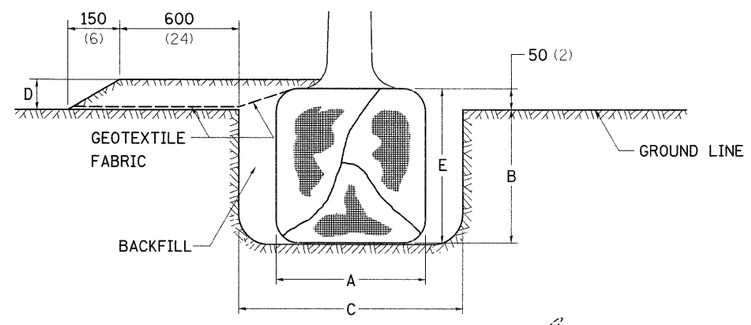
DETAILS OF PLANTING AND BRACING TREES

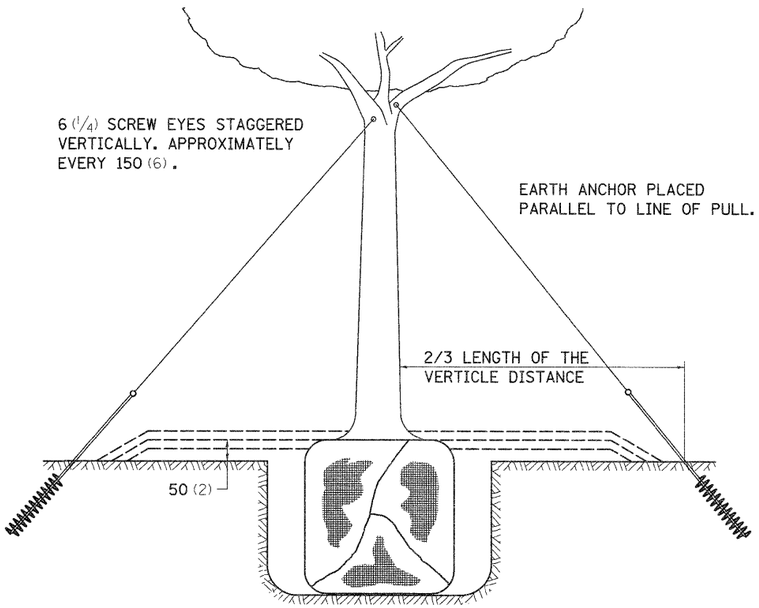


TREES SMALLER THAN 115 (4½) IN DIAMETER

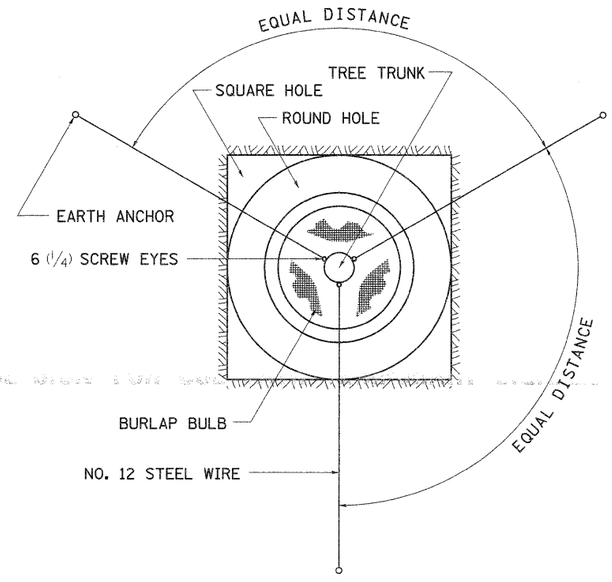
SMALL TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

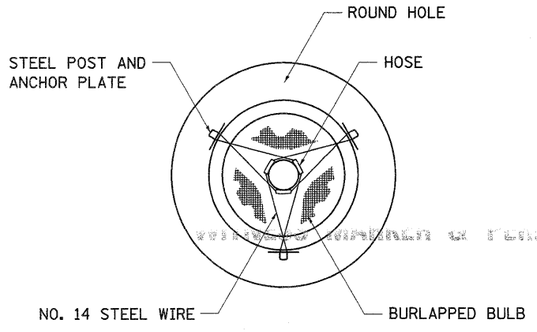
LARGE TREE SIZE	A DIAMETER OF BALL OR ROOT SYS.	B DEPTH OF HOLE EXCAVATION	C WIDTH OF HOLE EXCAVATION	D THICKNESS OF MULCH COVER	E DEPTH OF BALL OR ROOT SYS.	F VOLUME OF MULCH COVER m^3 (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2½)BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2½-3)BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3½) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3½-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4½) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4½-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5½) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)

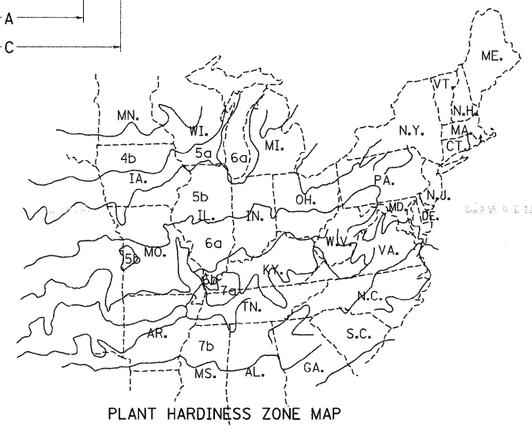




TREES OVER 115 (4½) IN DIAMETER







PLANT HARDINESS ZONE MAP

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

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

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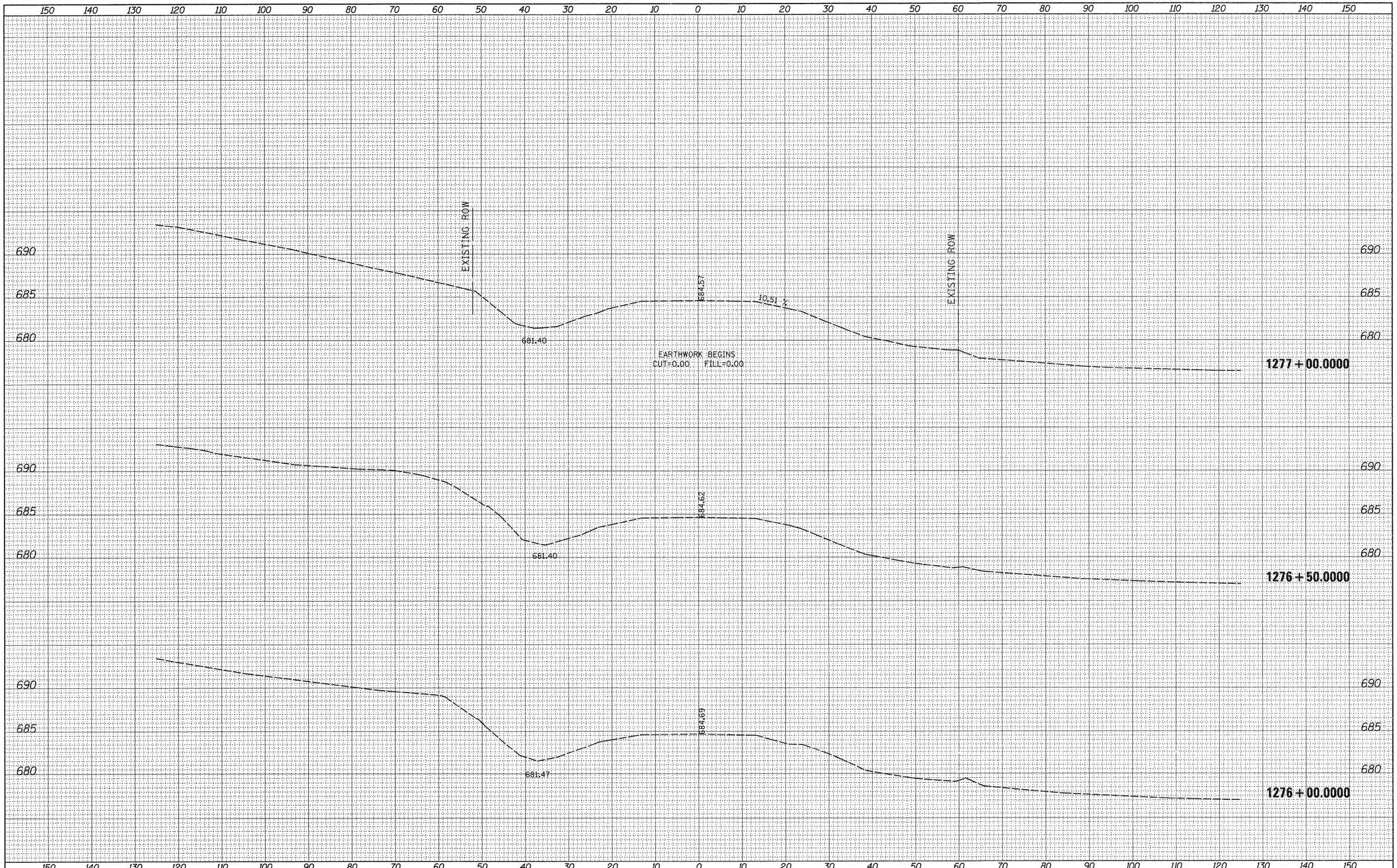
		DATE -	REVISED -

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.
309	15T-1	WHITESIDE	74	60
		CONTRACT NO. 64F23		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

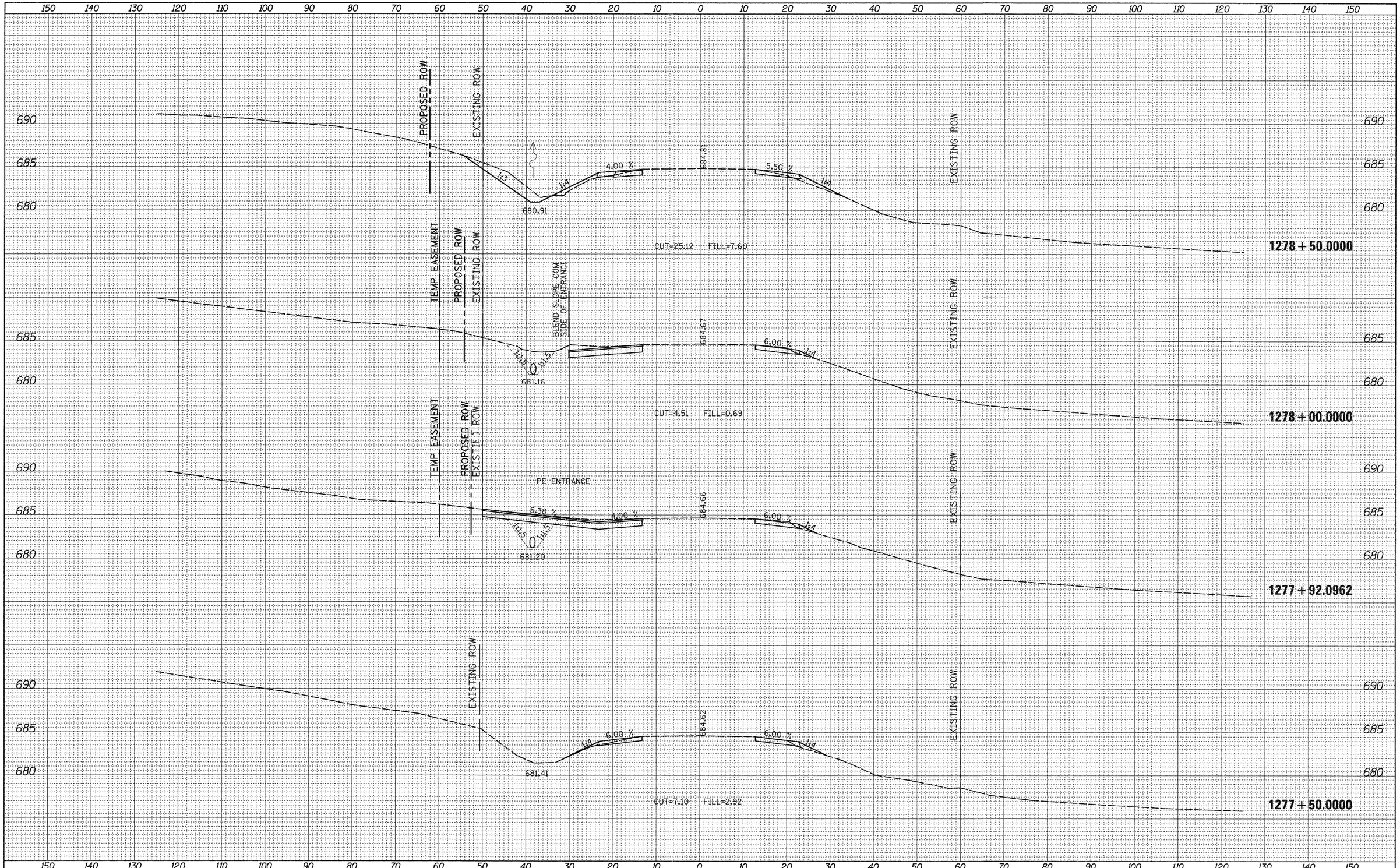
US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1276+00.0000 TO STA. 1277+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	61
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

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

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



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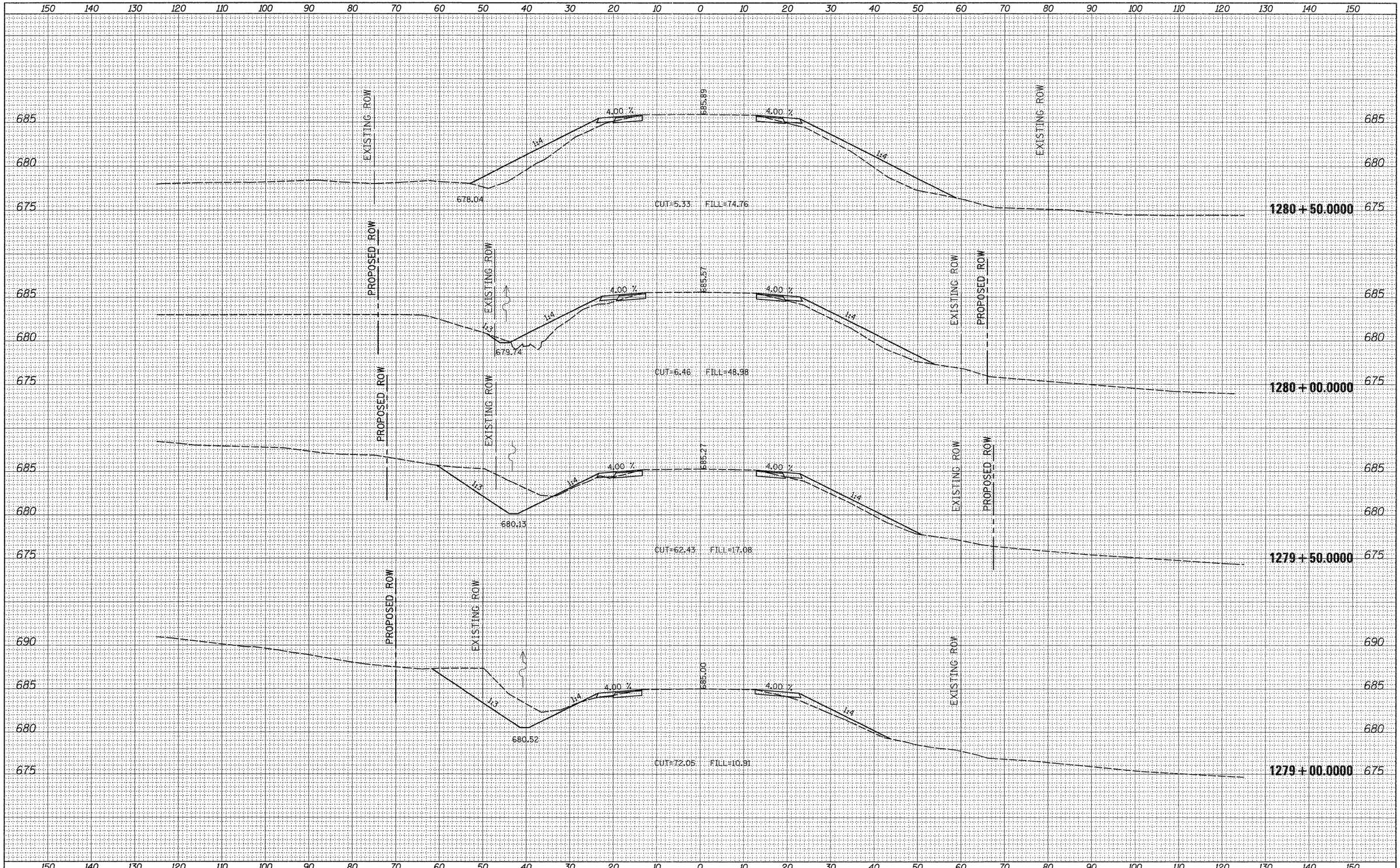
	PLOT DATE = Fri Jun 24 07:45:46 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1277+50.0000TO STA. 1278+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	62
		CONTRACT NO. 64F23		
		ILLINOIS	FED. AID PROJECT	



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

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SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED
BY — DATE

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	PLOT DATE = Fri Jun 24 07:44:46 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1279+00.0000 TO STA. 1280+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	63
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

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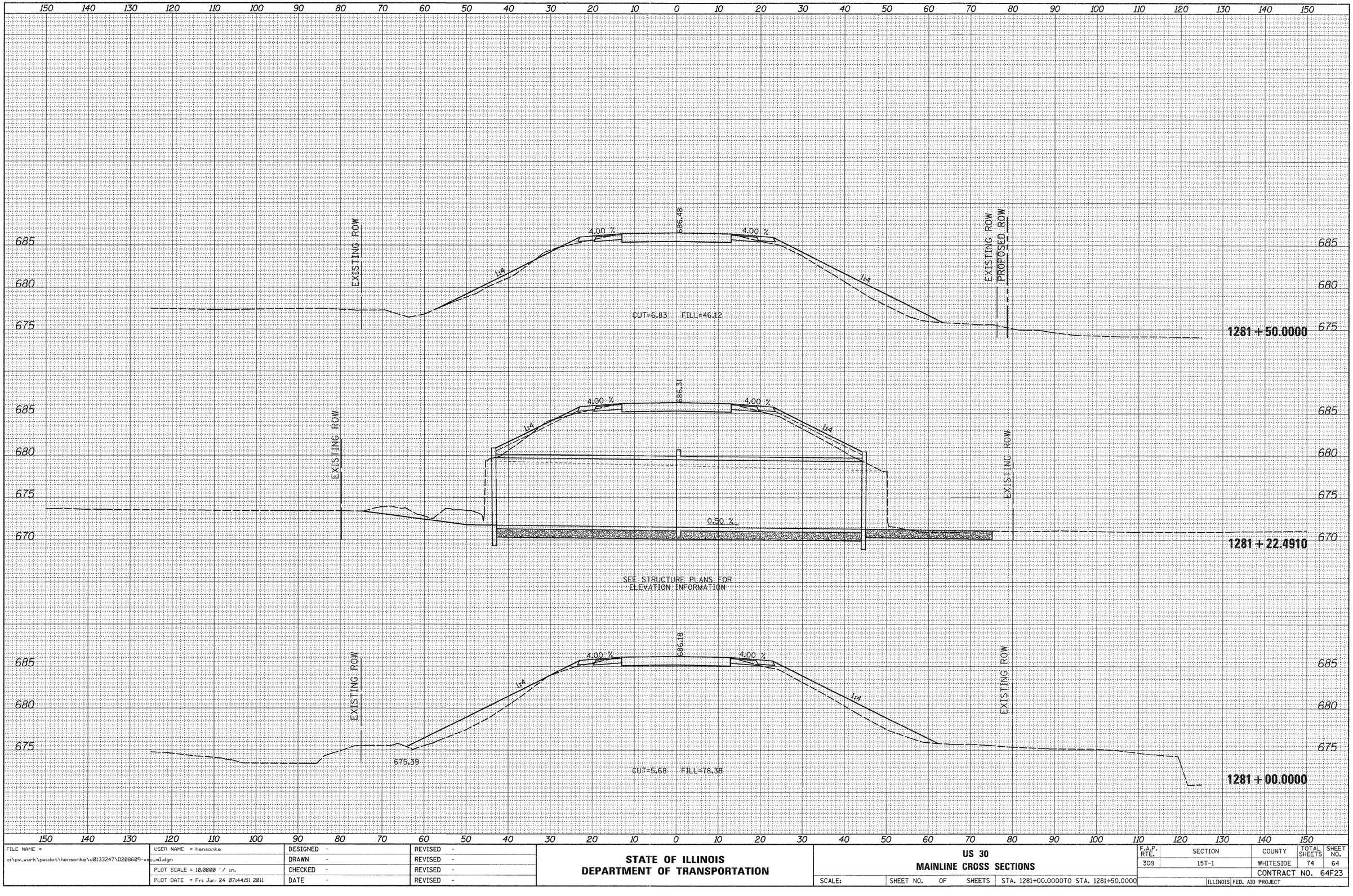
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.	AREAS CHECKED	



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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1281+00.0000 TO STA. 1281+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	64
		CONTRACT NO. 64F23		
		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

685
680
675

FE ENTRANCE

3.74 %
4.00 %
687.48
4.00 %
1:4
1:4.5
1:4.5
0

1282+92.0000

685
680
675

4.00 %
687.16
4.00 %
1:4
681.18
CUT=5.16 FILL=40.23
EXISTING ROW
PROPOSED ROW

1282+50.0000

685
680
675

1:4
4.00 %
686.80
4.00 %
1:4
EXISTING ROW
EXISTING ROW
PROPOSED ROW
678.65
CUT=5.39 FILL=52.64

1282+00.0000

685
680
675

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 TRANSFER AREAS AREAS CHECKED BY DATE

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

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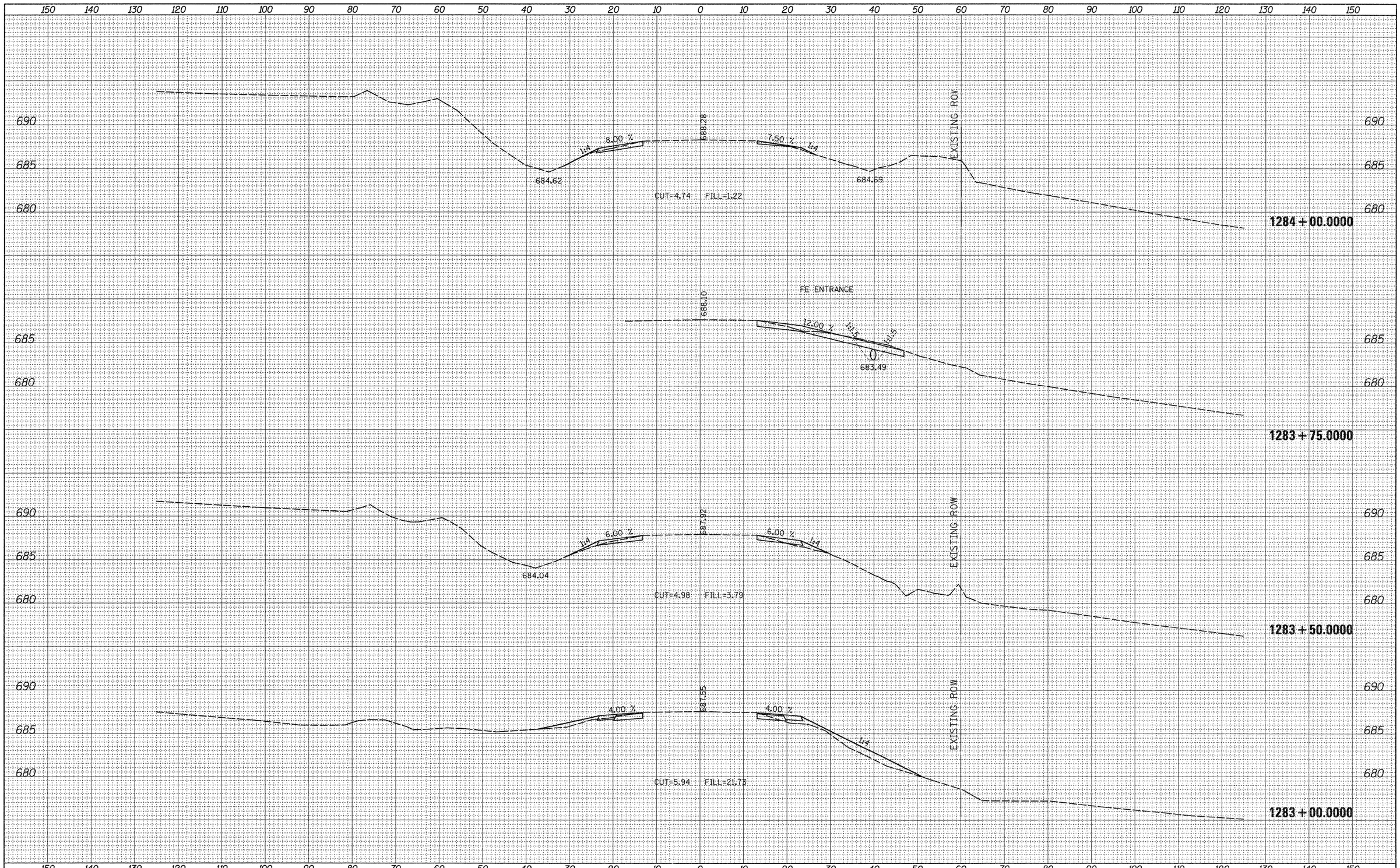
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1282+00.0000 TO STA. 1282+92.0893

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	65
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		



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

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

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	PLOT DATE = Fri Jun 24 07:45:00 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1283+00.0000 TO STA. 1284+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	66
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

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

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
SURVEYED		
PLOTTED		
TYPE PLATE		
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

685 690 685

687.21

687.71

1330 + 50.0000

1330 + 00.0000

695 690 685 680

688.95

685.99

685.50

1285 + 00.0000

695 690 685 680

688.65

685.36

685.25

EARTHWORK ENDS
CUT=0.00 FILL=0.00

1284 + 50.0000

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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		DRAWN -	REVISED -
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	PLOT DATE = Fri Jun 24 07:45:04 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1284+50.0000 TO STA. 1330+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	67
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TRAVERSE		
NOTE BOOK	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

685 680 675 670

683.37

1334 + 00.0000

685 680 675

683.98

1333 + 50.0000

685 680 675

684.59

1333 + 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

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

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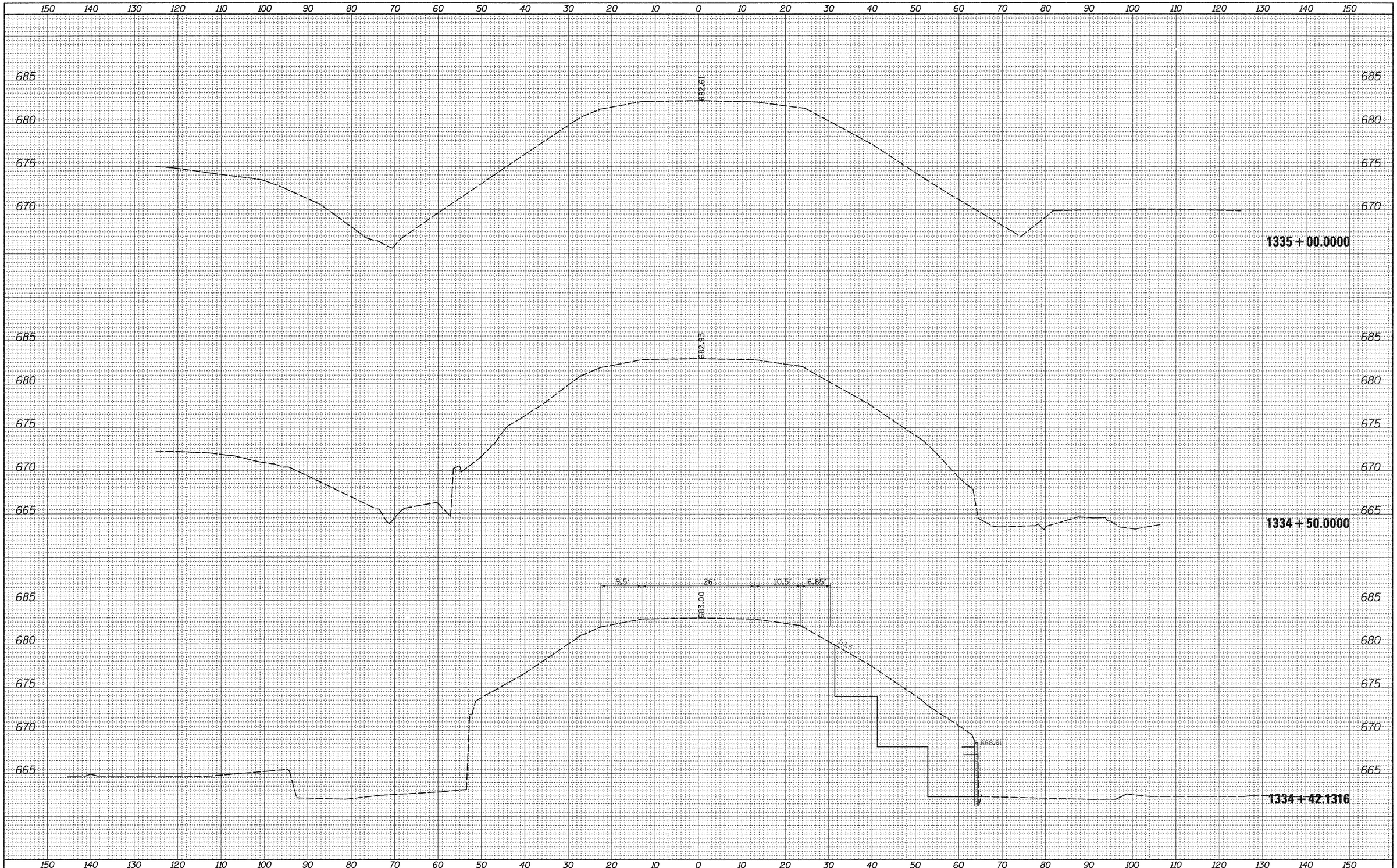
	PLOT DATE = Fri Jun 24 07:45:09 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1333+00.0000 TO STA. 1334+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	68
		CONTRACT NO. 64F23		
	ILLINOIS FED. AID PROJECT			



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

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

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	PLOT DATE = Fri Jun 24 07:45:13 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

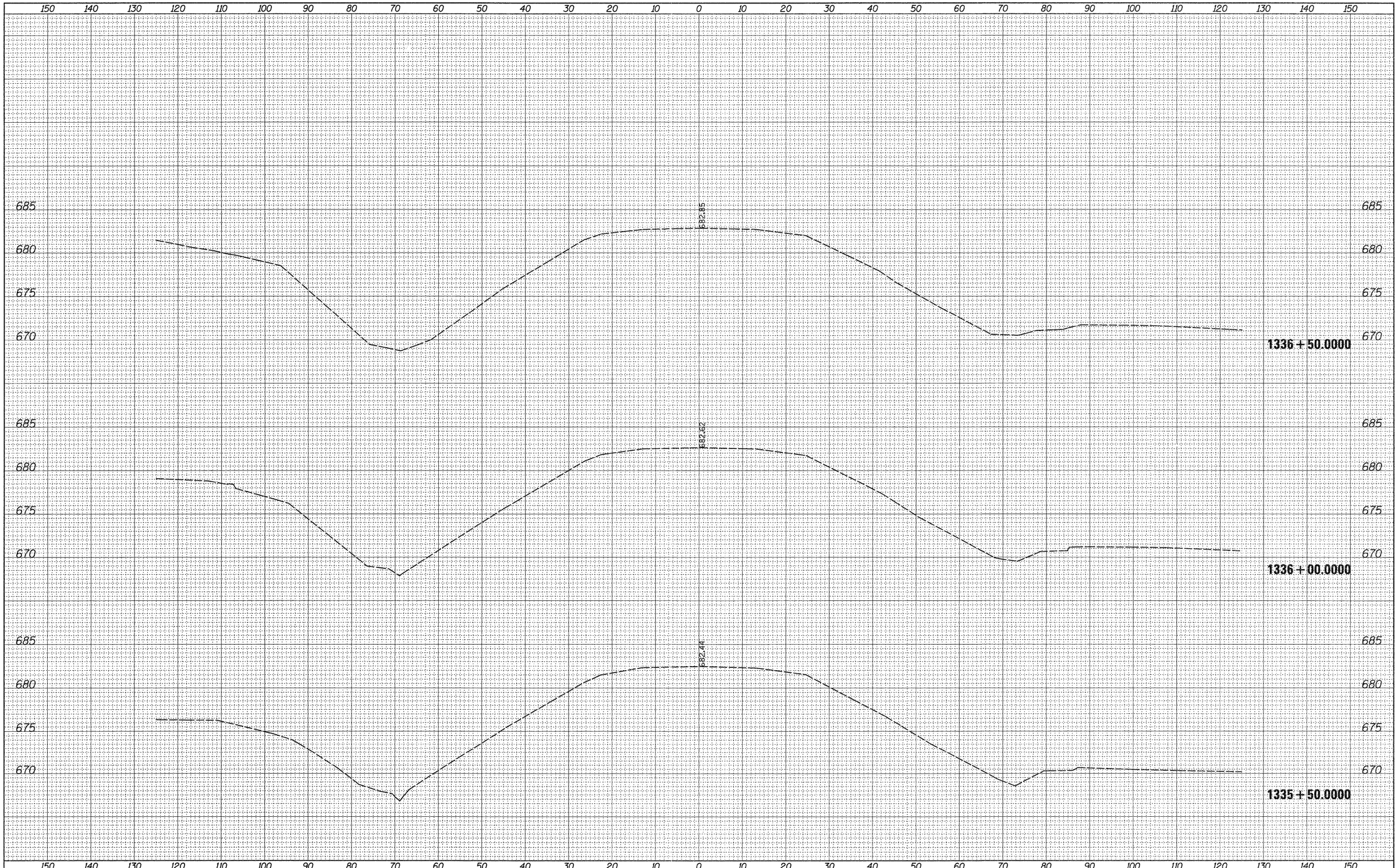
US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1334+42.1316 TO STA. 1335+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	69
		CONTRACT NO. 64F23		
		ILLINOIS FED. AID PROJECT		

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

BY	DATE



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

BY	DATE

FILE NAME = c:\pw_work\pwidot\hensonke\d0133247\D208609-xsc_ml.dgn	USER NAME = hensonke	DESIGNED -	REVISED -
		DRAWN -	REVISED -
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	PLOT DATE = Fri Jun 24 07:45:18 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1335+50.0000 TO STA. 1336+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	70
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

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

680 675 670 665

PROPOSED ROW

EXISTING ROW

1:3

1:4

678.47

CUT=53.50 FILL=112.41

EXISTING ROW

1:4

1503+00.0000

680 675 670

PROPOSED ROW

EXISTING ROW

1:3

1:4

678.98

CUT=9.97 FILL=90.55

EXISTING ROW

1:4

1502+50.0000

680 675 670

EXISTING ROW

679.70

EARTHWORK BEGINS
CUT=0.00 FILL=0.00

EXISTING ROW

1502+00.0000

680 675 670

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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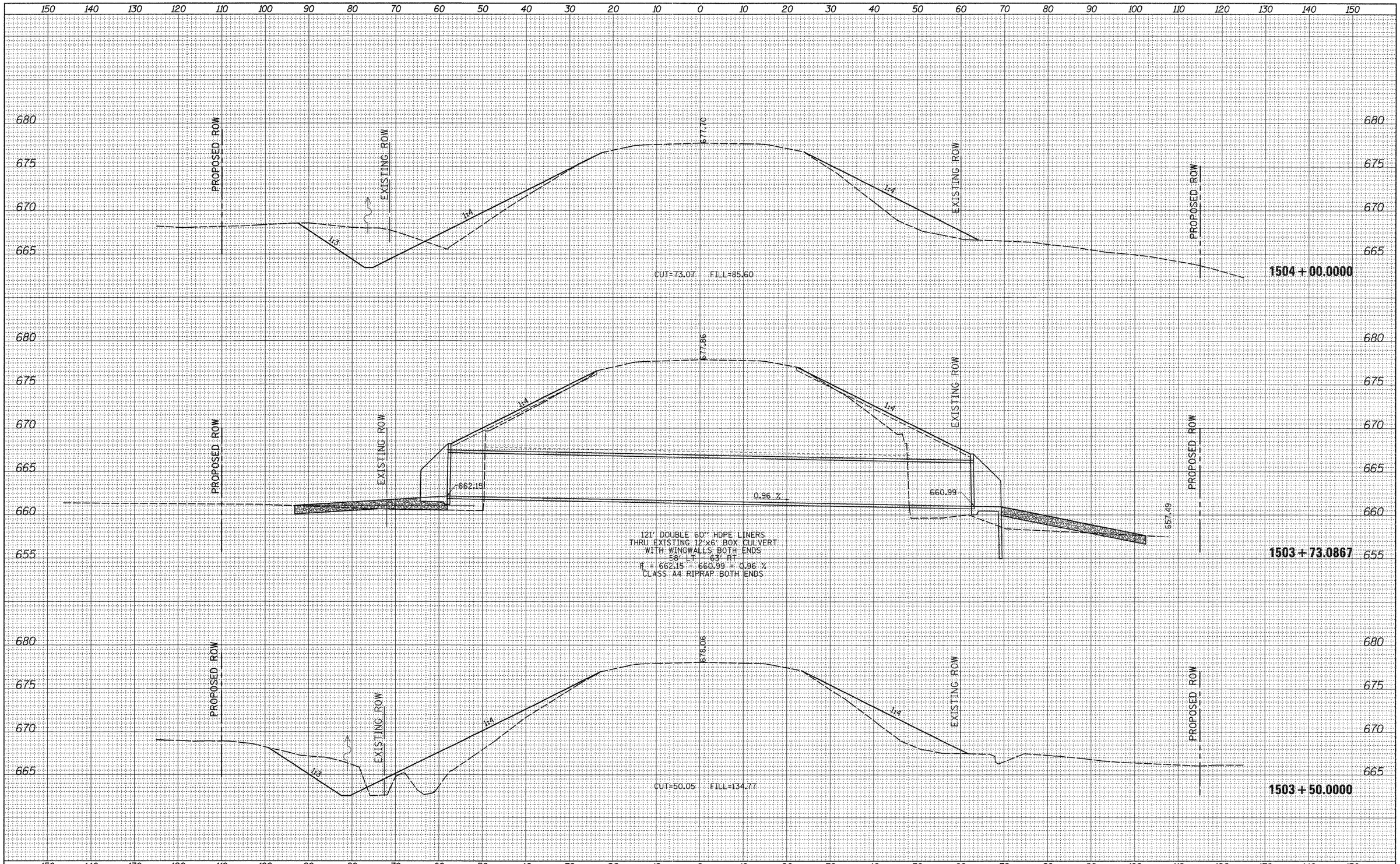
	PLOT DATE = Fri Jun 24 07:45:23 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1502+00.0000 TO STA. 1503+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	71
		CONTRACT NO. 64F23		
		ILLINOIS	FED. AID PROJECT	



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

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

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	PLOT DATE = Fri Jun 24 07:45:27 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1503+50.0000 TO STA. 1504+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	72
		CONTRACT NO. 64F23		
		ILLINOIS	FED. AID PROJECT	

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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
TOPO MAP		
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

685
680
675
670

PROPOSED ROW
EXISTING ROW
1:3
1:4
673.31
677.51
EXISTING ROW
CUT=30.25 FILL=5.90
1505 + 50.0000

PROPOSED ROW
EXISTING RO
1:3
1:4
670.12
677.47
EXISTING ROW
CUT=142.61 FILL=0.88
1505 + 00.0000

PROPOSED ROW
EXISTING ROW
1:3
1:4
666.73
677.55
EXISTING ROW
PROPOSED ROW
CUT=96.43 FILL=6.02
1504 + 50.0000

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		DRAWN -	REVISED -
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	PLOT DATE = Fri Jun 24 07:45:32 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

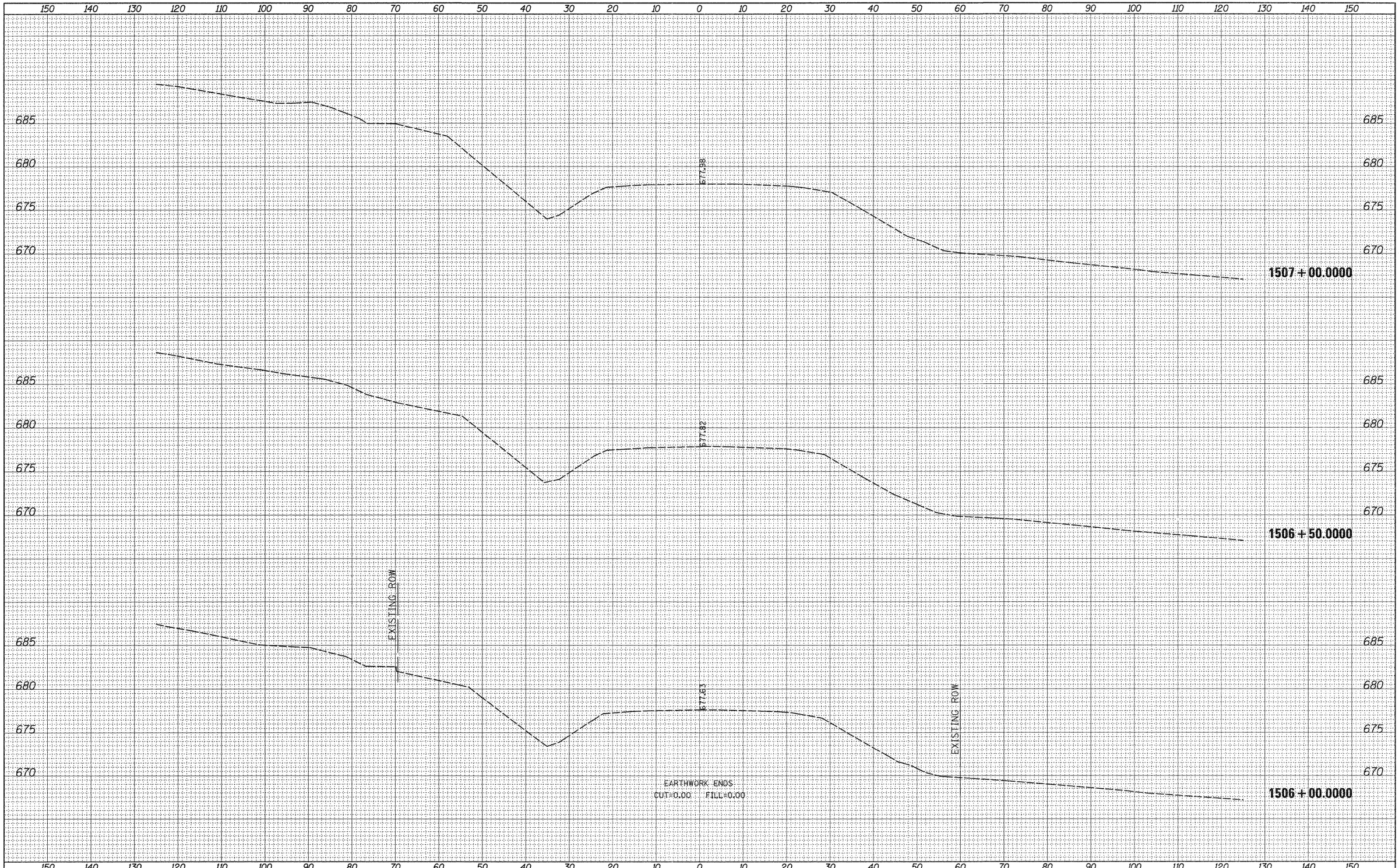
US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1504+50.0000 TO STA. 1505+50.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	73
		CONTRACT NO. 64F23		
	ILLINOIS	FED. AID PROJECT		

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

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



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	PLOT DATE = Fri Jun 24 07:45:36 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 30
MAINLINE CROSS SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. 1506+00.0000 TO STA. 1507+00.0000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
309	15T-1	WHITESIDE	74	74
		CONTRACT NO. 64F23		
		ILLINOIS	FED. AID PROJECT	