INDEX OF SHEETS

- 1. COVER SHEET
- 2. GENERAL NOTES
- 3. SUMMARY OF QUANTITIES
- 4. TYPICAL SECTIONS
- 5. GENERAL PLAN
- 6. STAGING DETAILS SB
- 7. STAGING DETAILS NB
- 8. EXISTING PLAN AND ELEVATIONS
- 9. BORING LOGS

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- 10. CONCRETE REMOVAL DETAILS
- 11. CONCRETE BOX CULVERTS
- 12. WATERPROOFING DETAILS
- 13. EXISTING BOX CULVERT DETAILS

TRAFFIC CONTROL DEVICES

STANDARDS

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS 000001-05 001001-01 AREAS OF REINFORCEMENT BARS DECIMAL OF AN INCH AND OF A FOOT 001006 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT STEEL PLATE BEAM GUARDRAIL 630001-07 GUARDRAIL MOUNTED ON EXISTING CULVERTS 630101-07 635011-01 REFLECTOR MARKER AND MOUNTING DETAILS OFF-ROAD OPERATIONS 2L. 2W. MORE THAN 4.5 m (15') AWAY 701001-01 OFF-ROAD OPERATIONS 2L, 2W, 4.5 m (15") TO 600 mm (24") FROM 701006-02 PAVEMENT EDGE LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH 701201-02 LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH 701206-01 LANE CLOSURE, 2L. 2W. BRIDGE REPAIR. FOR SPEEDS ≥ 45 MPH 701316-03

PROJECT LOCATION

SN 006-2523 8' X 6' BOX CULVERT 2.0 MI. SOUTH OF US ROUTE 6

MICROFILMED
REEL NUMBER
AWARDED
RESIDENT ENGINEER
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS

J.U.L.1.E.

701901

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: JOE KANNEL UNIT CHIEF: RON WOODSHANK TOWNSHIP: CONCORD

CONTRACT NO. 66732

STATE OF ILLINOIS

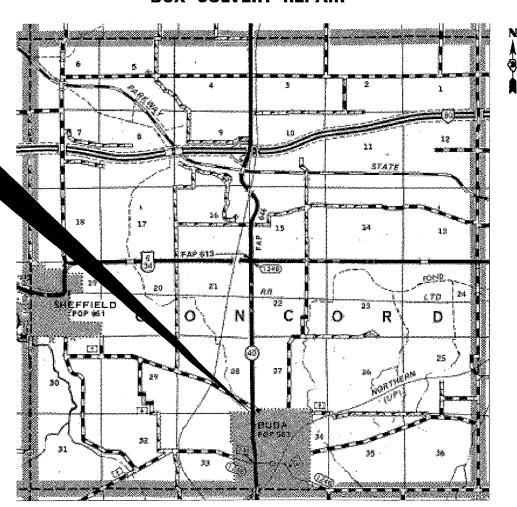
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP ROUTE 646 (IL ROUTE 40) SECTION (121)I-2

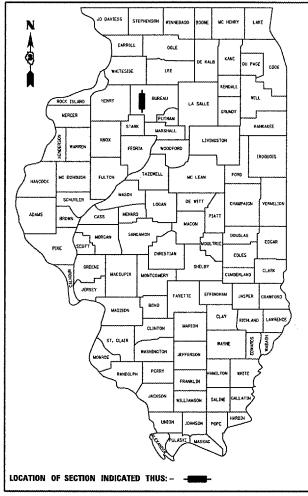
> BUREAU COUNTY C-93-001-08 BOX CULVERT REPAIR



LOCATION MAP NOT TO SCALE

POINT LOCATION

D-93-002-08



FUNCTIONAL CLASSIFICATION

RURAL - MINOR ARTERIAL

F.A.P. ROUTE 646 (IL 40)

2005 ADT = 1800

P.V = 82.0% M.U. = 9.7% S.U. = 8.3%

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS SUBMITTED 2/20 20 0 7 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER PERSONAL PROPERTY 1, 20 08 FIGURE FOR MAND ENVIRONMENT FEBRUARY 1, 20 08 Christian M. Reuden DIRECTOR OF HIGHWAYS, PHIEF ENGINEER	
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER JEGURIARY 1, 20 08 Photom ENGINEER OF DESIGN AND ENVIRONMENT FEBRUARY 1, 20 08 Christine M. Reed C.	DEPARTMENT OF TRANSPORTATION
Jebruary 1, 20 08 Eric & Harm B Interm ENGINEER OF DESIGN AND ENVIRONMENT Tebruary 1, 20 08 Christine M. Reed B	Hoorge Rajanon
Tebruary 1, 20 08 Christine M. Reed RD	Jebruary 1, 20 08 Eric E. Harm B
	Teprising 1, 20 08 Reed D
	`1

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GENERAL NOTES

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

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

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

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

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

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

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING FIELD TILE WITHIN THE LIMITS OF CONSTRUCTION. IF ANY FIELD TILE IS DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS, THE TILE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.

REPAIR OF EXISTING FIELD TILE ENCOUNTERED BELOW & GRADE SHALL BE ACCORDING TO SECTION 611 OF THE STANDARD SPECIFICATIONS. COST OF REPAIR SHALL BE ACCORDING TO SECTION 109.04 OF THE STANDARD SPECIFICATIONS

	НМА
	SHOULDERS
PG GRADE	PG58-22
MAX % RAP	
ALLOWABLE	50%
DESIGN AIR	3.0% €
VOIDS	N50
MIXTURE	
COMPOSITION	IL 19.0
DENSITY TEST	
METHOD	-

•MATERIAL SHALL BE COMPACTED TO 93.0 TO 97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT THE BOTTOM LIFT SHALL BE COMPACTED TO A MINIMUM OF 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE OC/QA SPECIFICATION.

**IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

DATE:

PREPARED BY:

DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY:

DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

Bue J Julean DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = woodshankr)	DESIGNED - RON WOODSHANK	REVISED - 11/29/2007
c:/projects/cmain08/cm315/datails.dgn		DRAWN - RON WOODSHANK	REVISED
	PLOT SCALE = 124.0835 '/ IN.	CHECKED	REVISED
	PLOT DATE = Dec 13, 2007 - 06:59:16 AM	DATE	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	GENERAL	NOTES
SCALE:	SHEET NO. 2 OF 7 SHEETS	STA. 110+10 TO STA. 115+30

F.A.P.	SECTION	COUNTY	TOTAL	SHEE
RTE.	500.100	COUNTY	SHEETS	NO.
646	(151)1-5	BUREAU	13	2
		CONTRACT	NO. 6	6732
FED. RO	AD DIST. NO ILLINOIS			

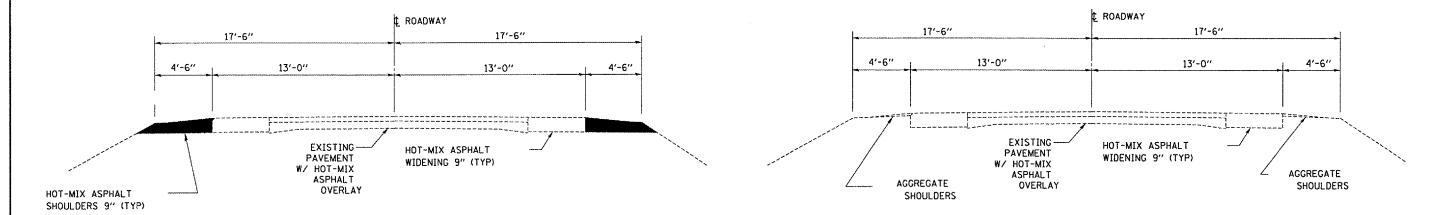
SUMMARY OF QUANTITIES

CONSTRUCTION CODE TYPE: Y007

	CODE NO.	ITEM	UNIT	URBAN 100% STATE TOTAL QUANTITY
	20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	10.4
	20400800	FURNISHED EXCAVATION	CU YD	372
	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	80
	48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	520
	50102400	CONCRETE REMOVAL	CU YD	38
	50200100	STRUCTURE EXCAVATION	CU YD	372
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7350
	54003000	CONCRETE BOX CULVERTS	CU YD	44
	63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	150
	63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	30
	63200310	GUARDRAIL REMOVAL	FOOT	180
	67100100	MOBILIZATION	L SUM	1
	70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1
	70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
	X0322121	SHEET WATERPROOFING MEMBRANE SYSTEM	SQ YD	120
-	X0323115	REFLECTOR MARKERS, TYPE A	EACH	8
	X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1368
	XO321781	MECHANICAL SPLICE	EACH	68
	Z0073400	TEMPORARY SUPPORT SYSTEM	EACH	2

*SPECIALTY ITEMS

	FILE NAME =	USER NAME = woodshankel	DESIGNED	~ RON WOODSHANK	REVISED - 11	1/29/2007				F.A.P.	SECTION	COUNTY	TOTAL SHEET SHEETS NO.
	c:\projects\cmain08\cm315\details.dgn		DRAWN	~ RON WOODSHANK	REVISED		STATE OF ILLINOIS	SUMMARY OF	QUANTITIES	646	(121)I-2	BUREAU	13 3
		PLOT SCALE = 124.0835 '/ IN.	CHECKED	7	REVISEO		DEPARTMENT OF TRANSPORTATION				· · · · · · · · · · · · · · · · · · ·	CONTRACT	T NO. 66732
1		PLOT DATE = 0ec 13, 2007 ~ 10:25:01 AM	DATE	~	REVISED -			SCALE: SHEET NO. 3 OF 7 SHEETS	STA. 110+10 TO STA. 115+30	FED. ROAD DIST.	NO ILLINOIS		



TYPICAL SECTION 2
STA. 110-10 TO STA. 115-30

TYPICAL SECTION 1

STA. 109+00 TO STA. 110+10

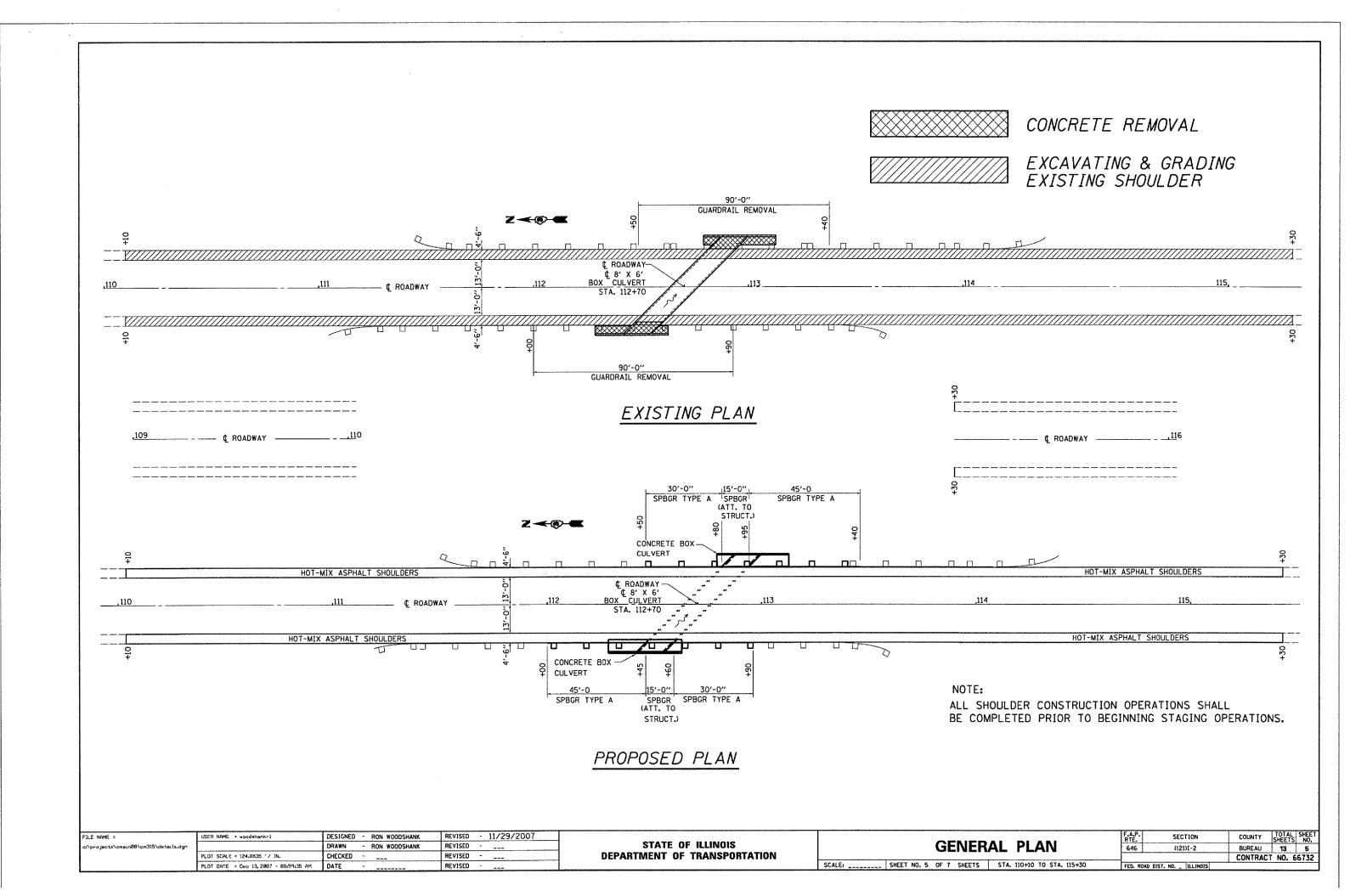
STA. 115+30 TO STA. 116+00

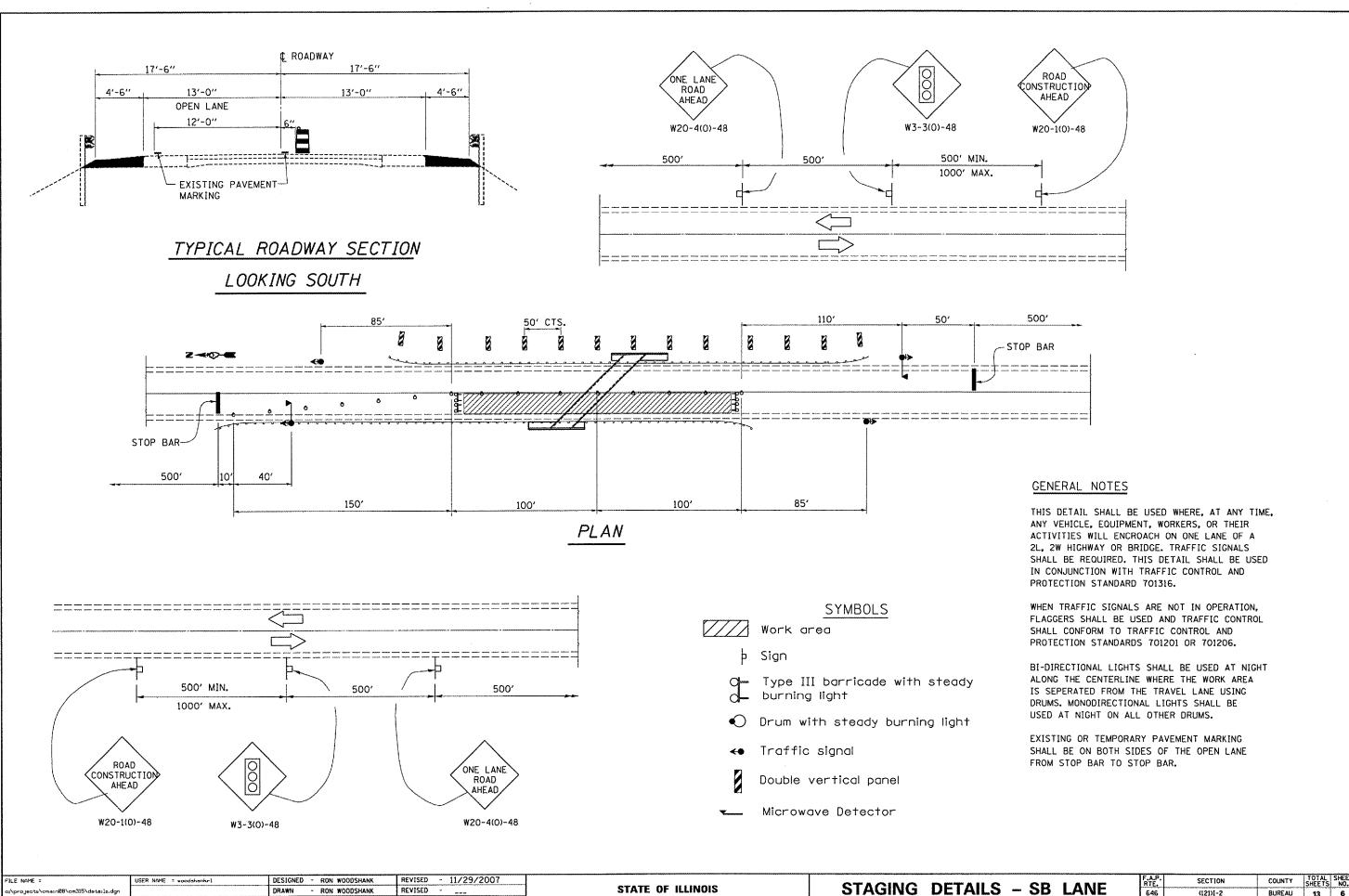
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	PLOT SCALE = 124.0835 '/ IN.	CHECKED	REVISED
	PLOT DATE = Dec 13, 2007 - 06:59:30 AM	DATE -	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	TYPICAL	SECTIONS
SCALE:	SHEET NO. 4 OF 7 SHEE	TS STA. 110+10 TO STA. 115+30

		CONTRAC	T NO. E	6732
646	(121)1-2	BUREAU	13	4
A.P.	SECTION	COUNTY	TOTAL	SHEET NO.





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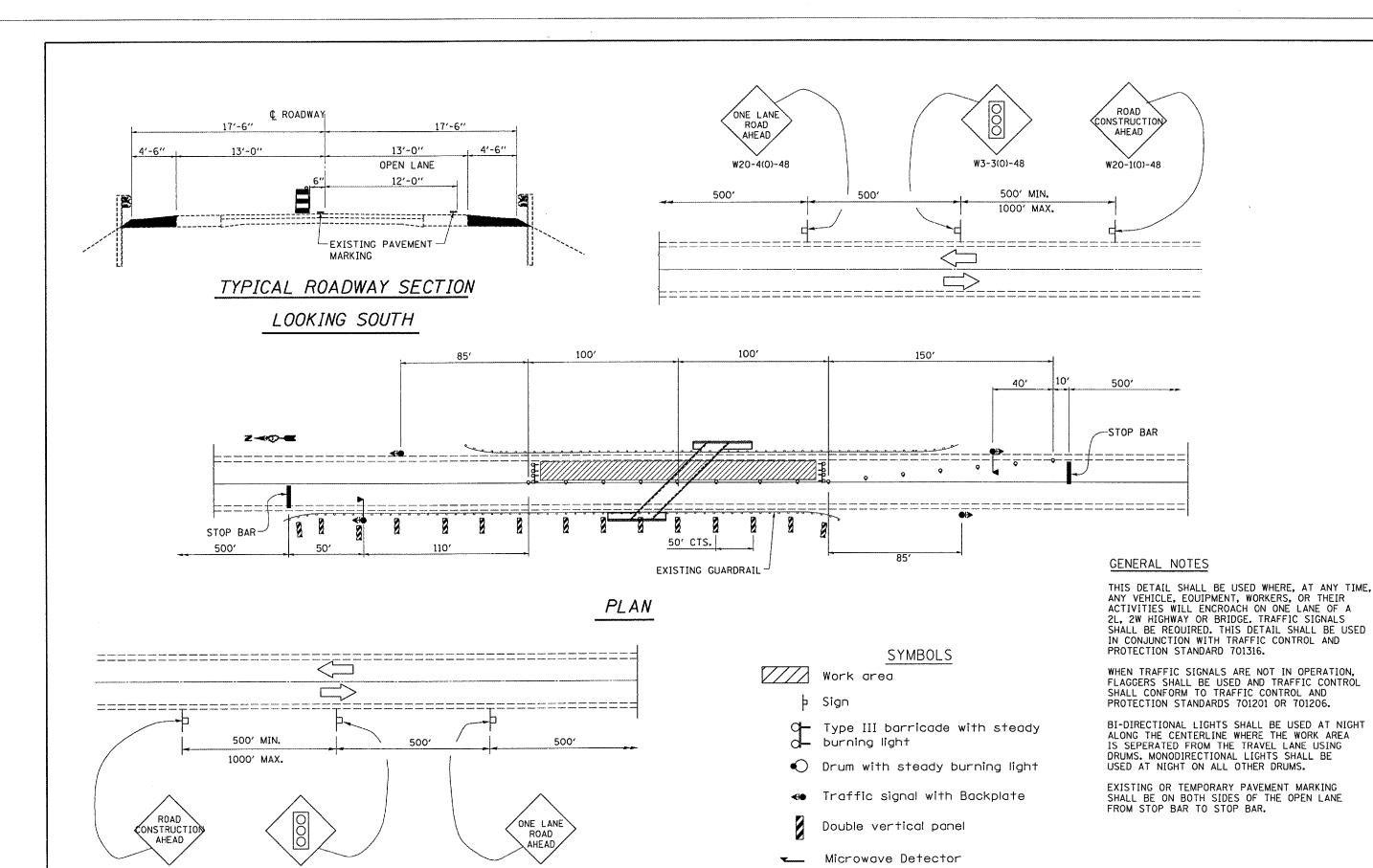
CHECKED

DATE

REVISED -

REVISED -

STAGING DETAILS - SB LANE STATE OF ILLINOIS BUREAU 13 6 CONTRACT NO. 66732 DEPARTMENT OF TRANSPORTATION SCALE: _____ SHEET NO. 6 OF 7 SHEETS STA. 110+10 TO STA. 115+30



W20-4(0)-48

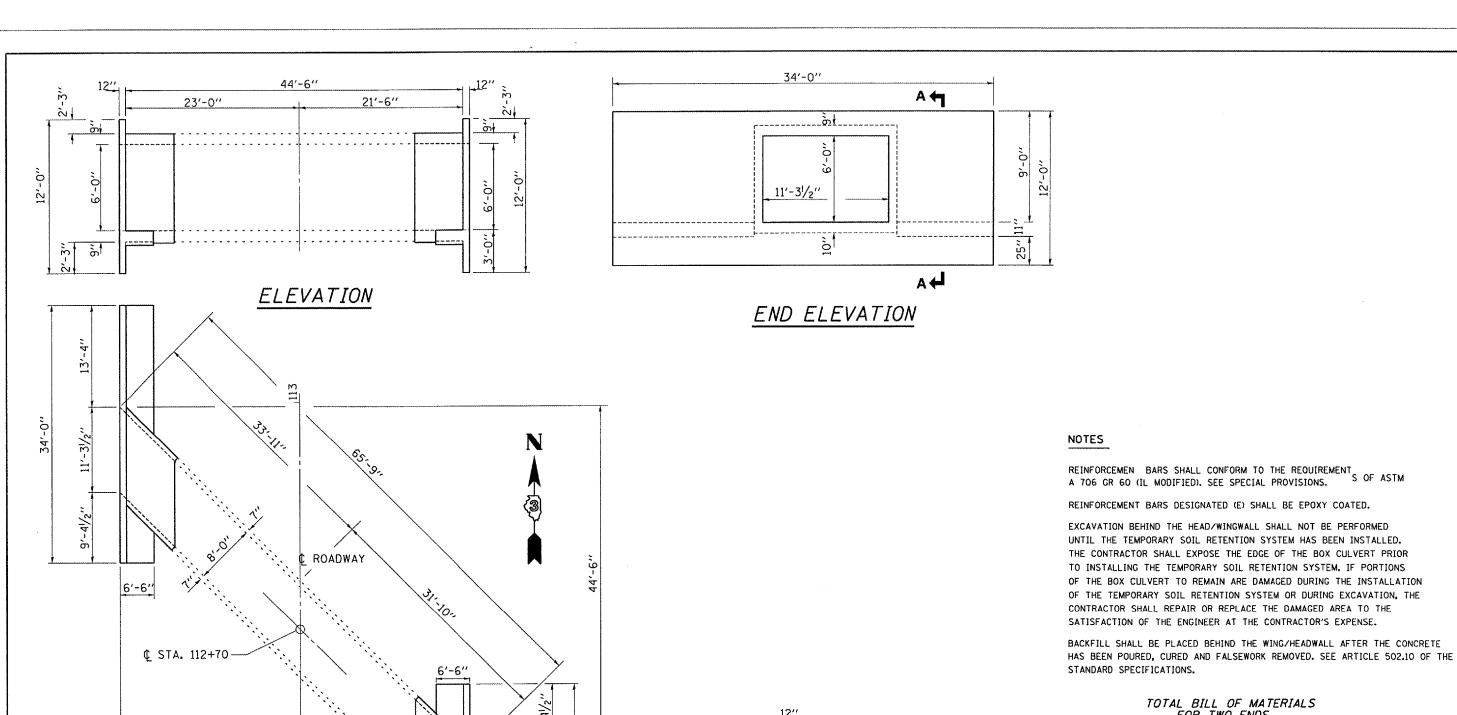
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	PLOT DATE = Dec 13, 2007 - 06:59:49 AM	DATE -	REVISED

W3-3(0)-48

W20-1(0)-48

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAC	SING	DETA	AILS -	NB L	.ANE
SCALE:	SHEET NO. 7	OF 7 SHE	ETS STA. 11	0+10 TO STA	. 115+30



TOTAL BILL OF MATERIALS

ITEM	UNIT	UPSTR.	DNSTR.	TOTAL
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	684	684	1368
STRUCTURE EXCAVATION	CU. YD.	186	186	372
CONCRETE REMOVAL	CU. YD.	19	19	38
CONCRETE BOX CULVERTS	CU. YD.	22	22	44
REINFORCEMENT BARS EPOXY COATED	POUNDS	3675	3675	7350
SHEET WATERPROOFING MEMBRANE SYSTEM	SO. YD.	60	60	120
FURNISHED EXCAVATION	CU. YD.	186	186	372
TEMPORARY SUPPORT SYSTEM	EACH	2	1	2
MECHANICAL SPLICE	EACH	34	34	68

ITEM	UNIT	UPSTR.	DNSTR.	TOTAL
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	684	684	1368
STRUCTURE EXCAVATION	CU. YD.	186	186	372
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FURNISHED EXCAVATION	CU. YD.	186	186	372
TEMPORARY SUPPORT SYSTEM	EACH	2	1	2
MECHANICAL SPLICE	EACH	34	34	68

FAP ROUTE 646 (IL 40) SECTION (121)1-1 BUREAU COUNTY STA. 112 - 70 S.N. 006-2523

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		PLOT SCALE = 124.0835 '/ IN.	CHECKED	REVISED	
- 1		PLOT DATE = Dec 13 2007 - 06:59:57 AM	DATE -	REVISED -	

22'-4"

23'-10"

PLAN

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

12'-0"

SECTION A-A

EXISTING	PLAN	AND	ELEVATION	
-----------------	------	-----	------------------	--

_ SHEET NO. 1 OF 6 SHEETS STA. 110+10 TO STA. 115+30

FED. RO	AD DIST. NO ILLINOIS				
 		CONTRACT	NO. 6	6732	
646	(121)1-2	BUREAU	13	8	
 F,A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	

Illinois Department of Transportation

SOIL BORING LOG

Page <u>1</u> of <u>1</u>

IVISIO	n of Highway	78		
llinois	Department	of	Transportation	

Date <u>4/2/07</u>

ROUTE FAP 646 (IL 40)	DESCR	IPHON		Rt 4	0 over stream- N edge of Buda I	.VGGI	א מיי	Larry	iviye
SECTION (104,121,122)RS-4		LOCAT	NOI	NE 1/4	, SEC. 33, TWP. 16N, RNG. 07E				
COUNTY <u>Bureau</u> DRILL	ING M	ETHOD)	Holle	ow Stem Auger HAMMER TYPE		ME A	utoma	tic
STRUCT, NO. 006-2523	D	В	U	M	Surface Water Elev. *89.30 ft	D	В	U	М
STRUCT. NO. <u>006-2523</u> Station **112 + 65.5	E		C	0	Surface Water Elev. *89.30 ft Stream Bed Elev. ft	E	L	С	0
	P	3 -	S	1		P	0	Ş	1
BORING NO. 2 NW Quad	Т			S	Groundwater Elev.:	T	W		S
Station 112 + 46.5	Н	S	Qu	T	First Encounter ft	H	S	Qu	Т
Station 112 + 46.5 Offset 14.00ft Rt		ļ	1		Upon Completion dry ft				
Ground Surface Elev. *99.99	ft (ft	(/6")	(tsf)	(%)	After Hrs. ft	(ft)	(/6")	(tsf)	(%)
Augered, black Milling, brown Shoulder Stone and black, Silty		-	-		Very stiff, reddish gray, Sandy Clay Loam Till		6 8	2.1 B	13.2
Clay fill					* CL of structure set at an elevation of 100'				
Stiff, black and gray, Silty Clay- fill	********	2			PICTURE OF TO		5		
	-	3	1.5	25.1	** Estimated from Straight Line		6	2.5	13.4
		3	P		Diagram (continued)		9	В	
	_	F 2				-25	5		
		1	1.0	27.3			7	2.5	13.3
	_	⊣ <u>'</u>	P				9	В	
		+-	!						
	-							,	
		1	1				4	ł	
	_	2	1.0	26.6			8	2.3	13.7
		3	P.U	26.6			9	В	
		 	F	ļ					
		-							
	-	0 1				~~	5	ŀ	
	1	9 1	1.0	29.4		-30	6	2.5	13.9
	-		1.U	29.4		_	9	В	15.5
		2	<u> </u>	 			-	25	-
Vancatiff business Canada Class		-							
Very stiff, brown, Sandy Clay Loam Till						****			
mvv 110	~	5 6	2.7	13.8			1		
	******	7	2.7 B	13.8			ł		
	-	+-	_ B			****	1		
Hard, reddish gray, Sandy Clay		-					1		
Loam Till	-	6				~	6	1	1
	1	5 7	4.3	12.5	1	-35	7	2.7	13.6
	-		4.3 S	12.5			9	B	13.0
		11	1 3	 	End of Doving		-	-	
V					End of Boring		1		Ì
Very stiff, reddish gray, Sandy Clay Loam Till		- <u>-</u>							1
way wan in	-	5	<u></u>	<u> </u>		****	1		1
* CL of structure set at an		7	2.3	13.0					
elevation of 100'	_	9	B		4				1
	_		1						1
** Estimated from Straight Line									
Diagram	_2 _2	0 4	1	1		-40	ĺ	l	l

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

Page <u>1</u> of <u>1</u>

Date <u>4/2/07</u>

FAP 646 (IL 40) DESCRIPTION Rt 40 over stream- N edge of Buda LOGGED BY Larry Myers MANAGONA AND A LOCATION NEW 4/4 OFC OR THIS ARE BUY AT

STRUCT. NO. 006-2523	M O Stream Bed Elev. *89.30 ft E L C O Stream Bed Elev. T W S I T First Encounter Upon Completion dry ft After Hrs. ft (ft) (6") (tsf) (%) Very stiff, reddish gray, Sandy Clay Loam Till *CL of Structure set at an elevation of 100' ** Estimated from Straight Line Diagram (continued) ** CL of structure details and elevation of 100' ** Estimated from Straight Line Diagram (continued) ** CME Automatic ** B U M S I L C O O S I T W S
Station	O I Stream Bed Elev. ft E L C O S I STREAM Bed Elev. ft P O S I STREAM Bed Elev. T W S I STREAM Bed Elev. T W S I T W S STREAM BED ELEV. T W S STREAM BED ELEV. T W S STREAM STRE
BORING NO.	S T Groundwater Elev.: T First Encounter Upon Completion After Hrs. Very stiff, reddish gray, Sandy Clay Loam Till * CL of structure set at an elevation of 100' ** Estimated from Straight Line Diagram (continued) T W S Qu T (ft) (6") (tsf) (%) (7) (8) (8) (6) (7) (6) (8) (8) (8) (9) (9) (10) (
Ground Surface Elev. *99.50 ft (ft) (6") (tsf) (Augered, Shoulder Stone, black brown and black Silty Clay- fill Stiff to medium, black gray, Silty Clay- fill 3 1.8 2 3 P -5 2 1 1.5 3 2 P	After
brown and black Silty Clay- fill Stiff to medium, black gray, Silty Clay- fill 3 1.8 2 3 P	Clay Loam Till 10 B * CL of structure set at an elevation of 100' ** Estimated from Straight Line 6 2.7 13.5 Diagram (continued) 10 B
Clay- fill 3 1.8 2 3 P - 2 - 1 1.5 3 2 P - 2 P - 3	elevation of 100' ** Estimated from Straight Line Diagram (continued) 5 6 2.7 13.5 10 B
Clay- fill 3 1.8 2 3 P	22.7 ** Estimated from Straight Line 6 2.7 13.5 Diagram (continued) 10 B
1 1.5 3 2 P	
2 P	
	33.3 6 2.5 13.0 10 B
2	
2 1.0 19 3 P	9.8 6 2.7 13.4 10 B
Medium, black, Silty Loam with Gravel pieces- fill10 2	5
	25.0 7 2.7 13.0 10 B
Stiff, brown, Sandy Clay Loam Till	***************************************
111111	14.3
Very stiff, reddish gray, Sandy Clay Loam Till	5 5
-15 - 1	33.2 3 3 7 2.7 14.5 10 B
** Estimated from Straight Line Diagram 5	End of Boring
7 2.9 13 11 B	12.6

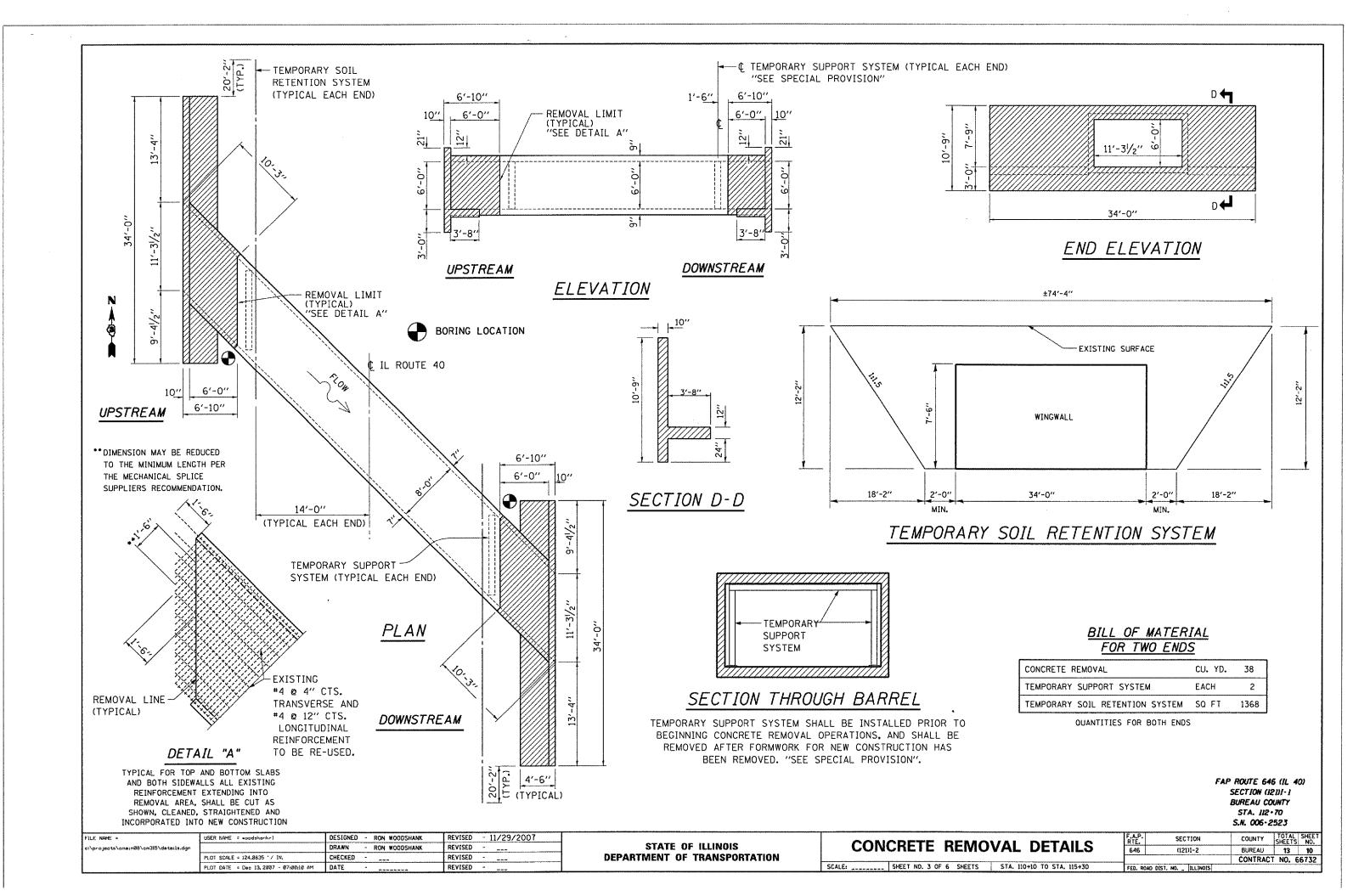
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

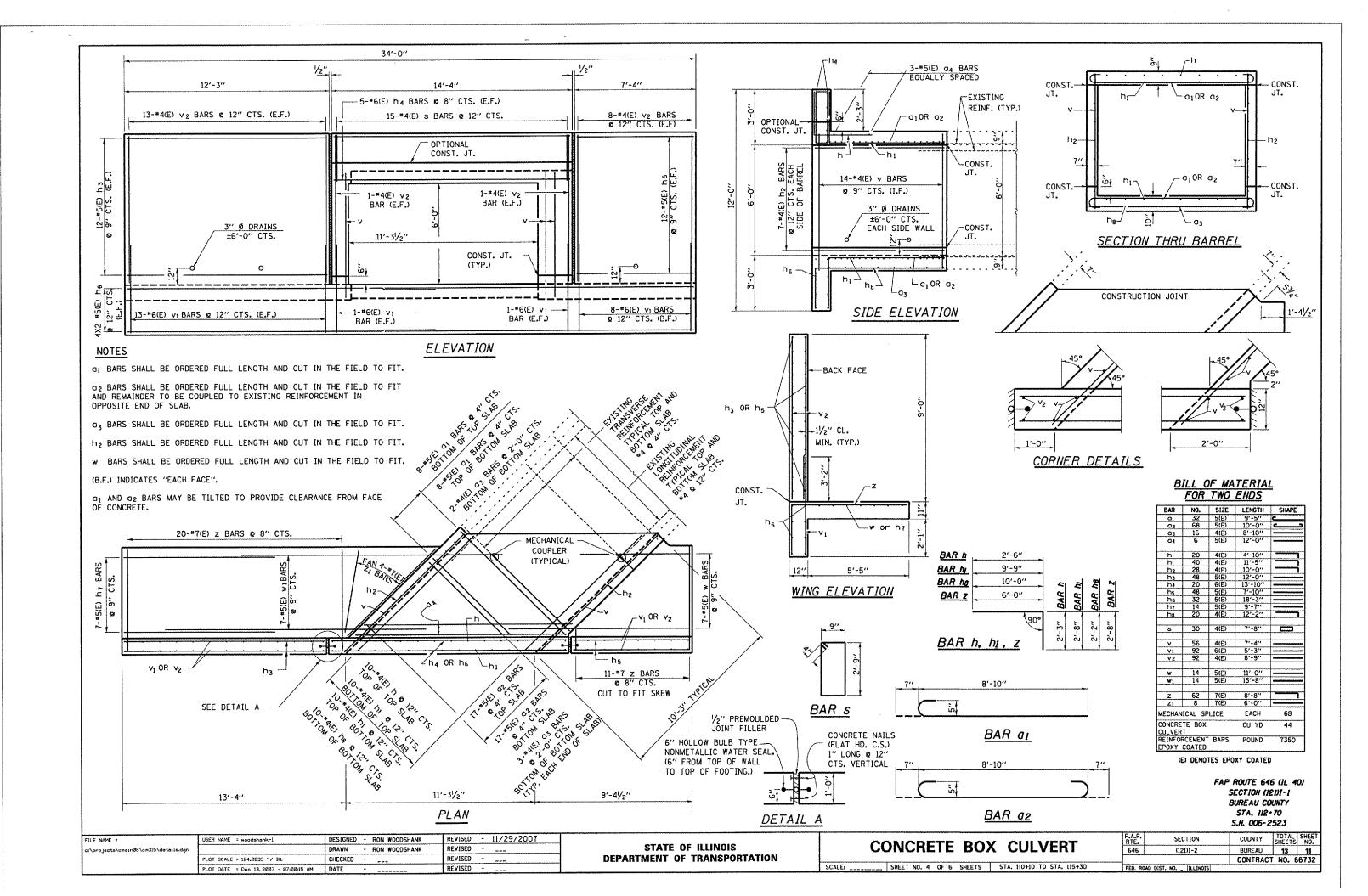
FAP ROUTE 646 (IL 40) SECTION (121)1-1 BUREAU COUNTY STA. 112+70 S.N. 006-2523

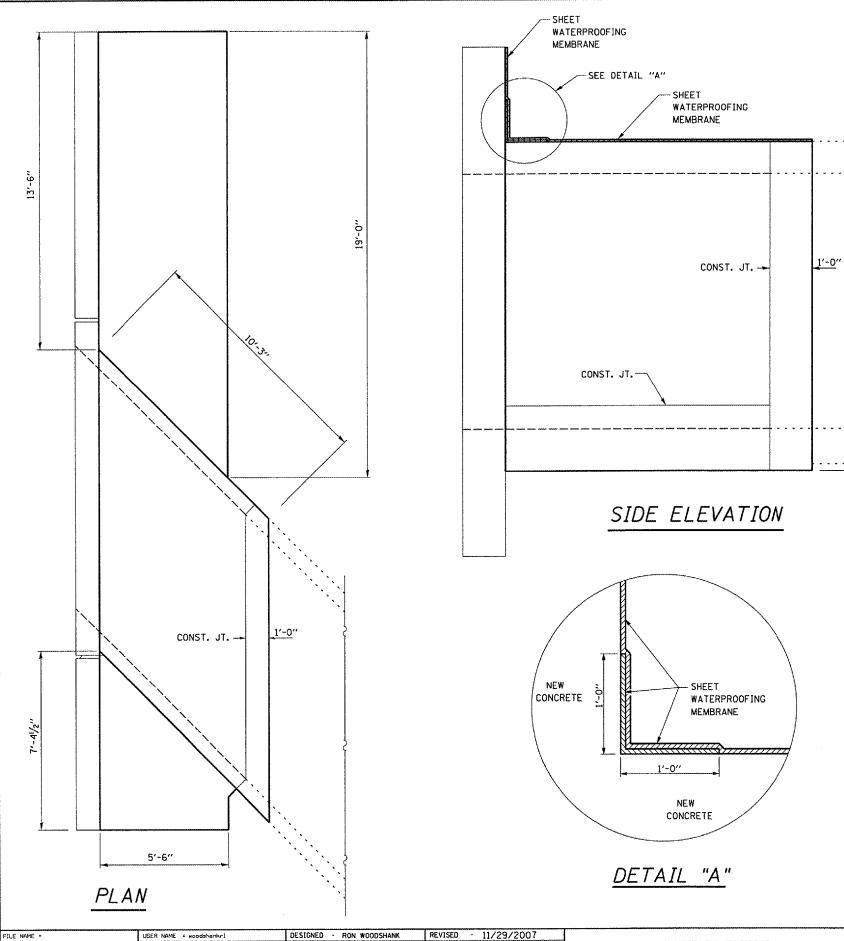
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	PLOT DATE = Dec 13, 2007 - 07:00:02 AM	DATE	REVISED

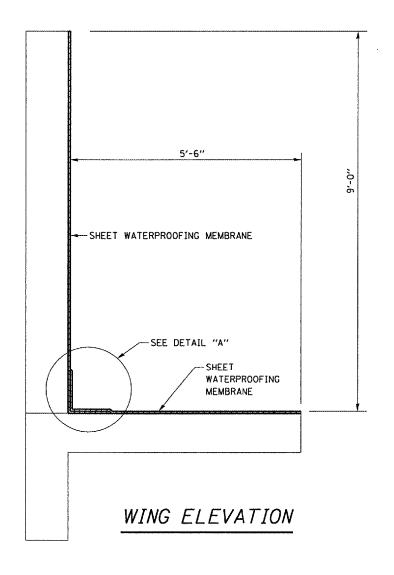
STATE	OF	ILLINOIS
DEPARTMENT	OF '	TRANSPORTATION

BORING LOGS		F.A.P. SECTION		COUNTY	TOTAL	SHEET NO.
BURING	646	(121)1-2		13	9	
				CONTRACT	NO, E	66732
SCALE: SHEET NO. 2 OF 6 SHEETS			DAD DIST. NO ILLINOIS			









NOTES:

THE EXPOSED SURFACES AS INDICATED SHALL BE PROTECTED BY THE WATERPROOFING MEMBRANE AS PER THE MANUFACTURER'S RECOMENDATIONS.

A MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING THE INSTALLATION OF THE WATERPROOFING MEMBRANE TO PROVIDE TECHNICAL SUPPORT WHEN REQUIRED. ALL COST INCURRED DUE TO THE ON-SITE REPRESENTATIVE SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT COST OF THE WATERPROOFING MEMBRANE WORK.

THE CONTRACTOR SHALL INSTALL THE WATERPROOFING MEMBRANE ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. PLAN DETAILS AND AS DIRECTED BY THE ENGINEER.

BILL OF MATERIAL FOR TWO ENDS

SHEET WATERPROOFING SQ. YD. 117 MEMBRANE SYSTEM

FAP ROUTE 646 (IL 40) SECTION (121)1-1 BUREAU COUNTY STA. 112 · 70 S.N. 006 · 2523

PLOT SCALE = 124.0835 '/ IN.

DRAWN - RON WOODSHANK REVISED CHECKED -REVISED PLOT DATE = Dec 13, 2007 - 07:00:21 AM DATE

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

WATERPROOFING DETAILS SCALE: ____ SHEET NO. 5 OF 6 SHEETS STA. 110+10 TO STA. 115+30

COUNTY TOTAL SHEET NO.
BUREAU 13 12
CONTRACT NO. 66732 SECTION (121)1-2

