0

0

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

1028-1

D-99-004-21

FOR INDEX OF SHEETS, SEE SHEET NO. 3 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-6

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 132 (IL 145) SECTION 102B-1 PROJECT STP-4LN4(874) **BOX CULVERT REPLACEMENT MASSAC COUNTY**

C-99-012-21

TRAFFIC DATA

2019 ADT = 2.050 WITH 17.1% TRUCKS SPEED LIMIT: 55 MPH

TOWNSHIP **BENTON PRECINCT**

COORDINATE SYSTEM: NAD 1983 STATE PLANE ILLINOIS EAST **POSTED SPEED: 55 MPH**

J.U.L.I.E.

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

PROJECT ENGINEER: GRANT DETERDING PROJECT MANAGER: ADRIAN ADAMS

IMPROVEMENT LOCATION STRUCTURE 064-7027 (E) STRUCTURE 064-7044 (P) IL 145 OVER DITCH **RANGE 5E**

> GROSS LENGTH = 65.00 FT. = 0.012 MILE NET LENGTH = 65.00 FT. = 0.012 MILE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION SUBMITTED 09-06-20 Z TEGION FIVE ENGINEER

LOCATION OF SECTION INDICATED THUS: -

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 78829

Prepared By: Clarks Stein DISTRICT STUDIES & PLANS ENGINEER

Examined By:

Examined By:

DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By:

DISTRICT OPERATIONS ENGINEER

Examined By:

DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By:

DISTRICT CONSTRUCTION ENGINEER

Examined By:

TO STA.

DISTRICT MATERIALS ENGINEER

USER NAME = adamsam DESIGNED -REVISED -DRAWN REVISED -PLOT SCALE = 100.0000 1 / In. CHECKED -REVISED -PLOT DATE = 7/14/2021

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SIGNATURES SHEET OF ___ SHEETS STA._

SHEET

COUNTY SHEETS NO.

MASSAC 13 2 CONTRACT NO. 78829

GENERAL NOTES

1) FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL AGGREGATE 2.05 TONS/CU YD RIPRAP 1.50 TONS/CU YD

- 2) AT ALL LOCATIONS WHERE EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT-MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
- 3) A CALCIUM CHLORIDE ACCELERATOR WILL BE ALLOWED FOR THE PCC PAVEMENT, 10", AND PCC SHOULDERS, 8". THE CONCRETE SHALL BE CLASS PP-1 OR PP-2 PER ARTICLE 1020.

COMMITMENTS

NONE

STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-09	PAVEMENT JOINTS
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701316-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS \geq 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
862001-01	UNINTERRUPTABLE POWER SUPPLY
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
704001-08	TEMPORARY CONCRETE BARRIER
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

INDEX OF SHEETS

1	COVER SHEET
2	SIGNATURES SHEET
3	GENERAL NOTES, INDEX OF SHEETS, AND STANDARDS
4-6	SUMMARY OF QUANTITIES
7	SCHEDULES
8	GENERAL PLAN
9	TEMPORARY AND FINAL SECTIONS
10	LIMITS OF POROUS GRANULAR EMBANKMENT AND TYPICAL SECTION WITHIN PAVEMENT REMOVAL
11-12	PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS
13	DISTRICT STANDARDS

REV. - MS

USER NAME = adamsam	DESIGNED -	REVISED -		GENERAL NOTES, INDEX OF SHEETS,		F.A.P. RTF	SECTION	COUNTY TO	OTAL SHEET	
	DRAWN -	REVISED -	STATE OF ILLINOIS	AND STANDARDS			132	102B-1	MASSAC 1	13 3
PLOT SCALE = 94.4444 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION		AND STANDARDS SCALE: SHEET OF SHEETS STA TO STA		_		CONTRACT NO	IO. 78829
PLOT DATE = 8/11/2021	DATE -	REVISED -		SCALE:				ILLINOIS FED A	D PROJECT	

SUMMARY OF QUANTITIES

ITEM DESCRIPTION

COUNTY	MASSAC						
ROUTE	IL 145						
FUNDING	NHPP 80% FED, 20% STATE						
LOCATION	RURAL						
UNIT							
5.77	0004						
CU YD	342						
CU YD	219						
ACRE	0.25						
POUND	23						
POUND	23						
POUND	23						
TON	0.5						
SQ YD	204						
POUND	4						
FOOT	252						
SQ YD	42						

SQ YD

SQ YD

USER NAME = adamsam	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 94.4444 / in.	CHECKED -	REVISED -
PLOT DATE = 8/11/2021	DATE -	REVISED -

CODE

NUMBER

20200100

20700220

25000200

25000400

25000500

25000600

25000700

25100630

28000250

28000400

28100107

28200200

42000060

EARTH EXCAVATION

SEEDING, CLASS 2

POROUS GRANULAR EMBANKMENT

NITROGEN FERTILIZER NUTRIENT

PHOSPHORUS FERTILIZER NUTRIENT

POTASSIUM FERTILIZER NUTRIENT

AGRICULTURAL GROUND LIMESTONE

TEMPORARY EROSION CONTROL SEEDING

EROSION CONTROL BLANKET

PERIMETER EROSION BARRIER

WELDED WIRE REINFORCEMENT

STONE RIPRAP, CLASS A4

FILTER FABRIC

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURREADY OF QUANTITIES							SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SUMMARY OF QUANTITIES						132	102B-1	MASSAC	13	4
								CONTRACT	NO. 7	8829
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		ILLINOIS FEE	. AID PROJECT		

42

232

ents\IDOT Offices\District 9\Projects\78829\CADData\CADsheets\D9-78829-Plan 5\

MODEL: Default FILE NAME: pw:\\plann

	SUMMARY OF QUANTITIES		MASSAC
	SUMMART OF QUANTITIES	ROUTE	IL 145
		FUNDING	NHPP 80% FED, 20% STATE
		LOCATION	RURAL
CODE	ITEM DESCRIPTION	UNIT	
NUMBER	2.2 5200(12) .20(1		0004
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10''	SQ YD	232
44000100	PAVEMENT REMOVAL	SQ YD	232
48300300	PORTLAND CEMENT CONCRETE SHOULDERS 8''	SQ YD	54
	TONTEAND CEMENT CONCRETE SHOULDERS O	30 10	37
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,430
54003000	CONCRETE BOX CULVERTS	CU YD	28.6
5.404.0505	DEFOACT CONCERTS DOWN ON WEED'TO CALLY OF	5007	70
54010606	PRECAST CONCRETE BOX CULVERTS 6' X 6'	FOOT	78
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	80
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2
67100100	MOBILIZATION	L SUM	1
			<u> </u>
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	3

REV. - MS

F.A.P. RTE.

TO STA.

SECTION

OSEK NAME - duditisditi	DESIGNED -	KLVISLD -		1						
	DRAWN -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES						
PLOT SCALE = 94.4444 ' / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION							
PLOT DATE = 8/11/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.		

COUNTY	MASSAC								
ROUTE	IL 145								
FUNDING	NHPP 80% FED, 20% STATE								
LOCATION	RURAL								
UNTT									
UNII	0004								

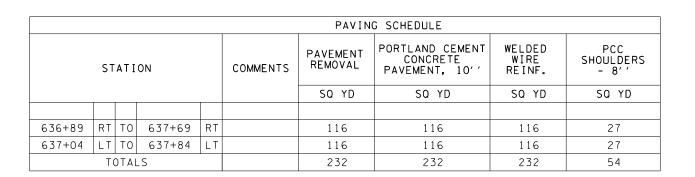
			LOCATION	RURAL
	CODE	ITEM DESCRIPTION	UNIT	
L	NUMBER		5.77	0004
	70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
	70106700	TEMPORARY RUMBLE STRIPS	EACH	6
	70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28
*	78001110	PAINT PAVEMENT MARKING - LINE 4''	FOOT	180
*	86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
	X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	80
	X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1

* SPECIALTY ITEM

USER NAME = adamsam	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 94.4444 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/11/2021	DATE -	REVISED -

STATE	OF ILLINOIS	
DEPARTMENT O	OF TRANSPORTATION	

	F.A.P. RTE	SECT	TION		COUNTY						
	132 102B-1				MASSAC						
										CONTRACT	N
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				D PROJECT	



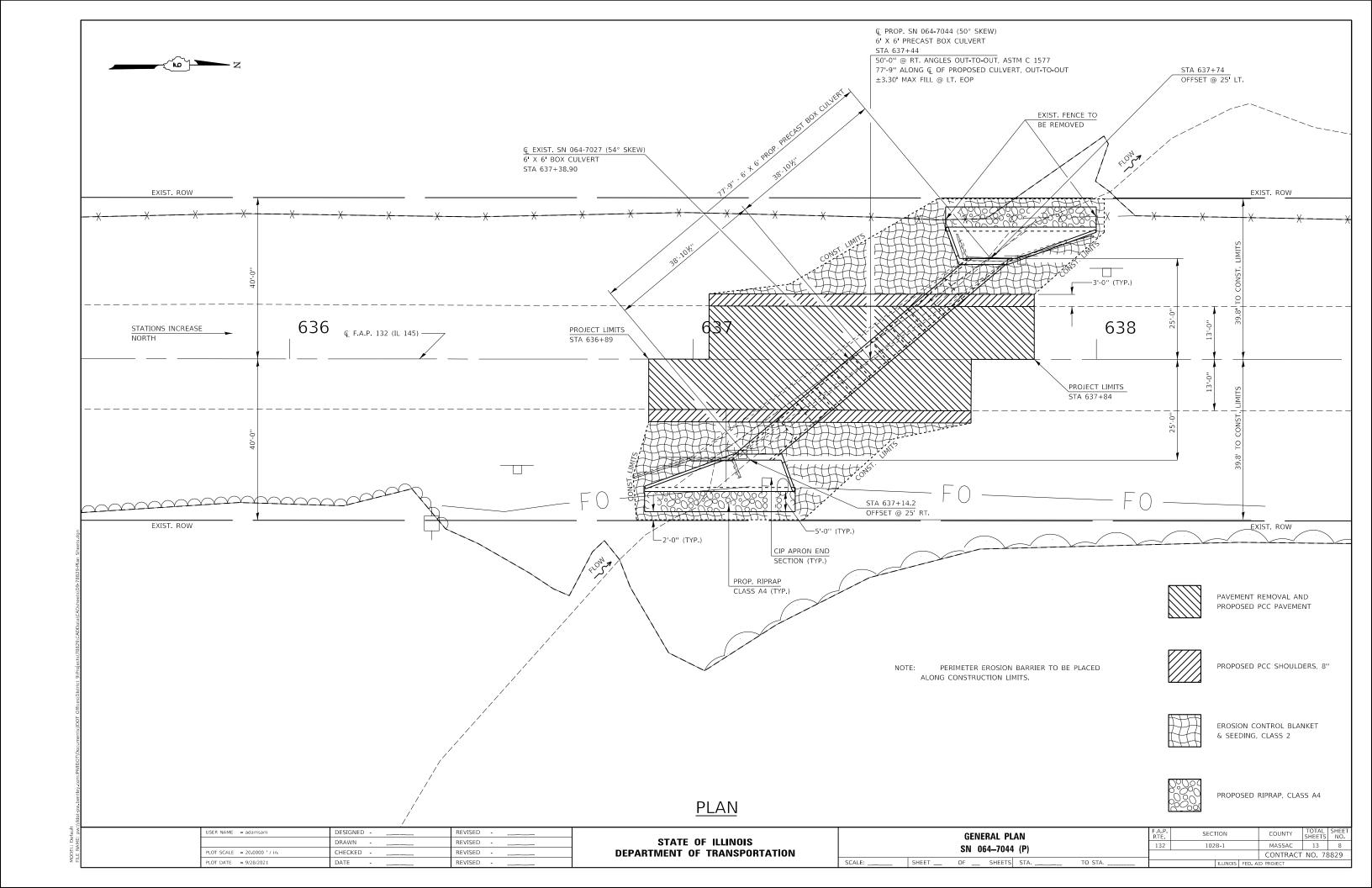
PAVEMENT MARKING SCHEDULE										
						PAINT PAVEMENT MARKING - LINE				
STATION					NOTES	SOLID WHITE	SOLID YELLOW			
						FOOT	F00T			
636+89	RT	ТО	637+69	RT		80				
636+89		ТО	637+84		ALONG CENTERLINE		20			
637+04	LT	ТО	637+84	LT		80				
			SUBTOTA	160	20					
			TOTAL	1	80					

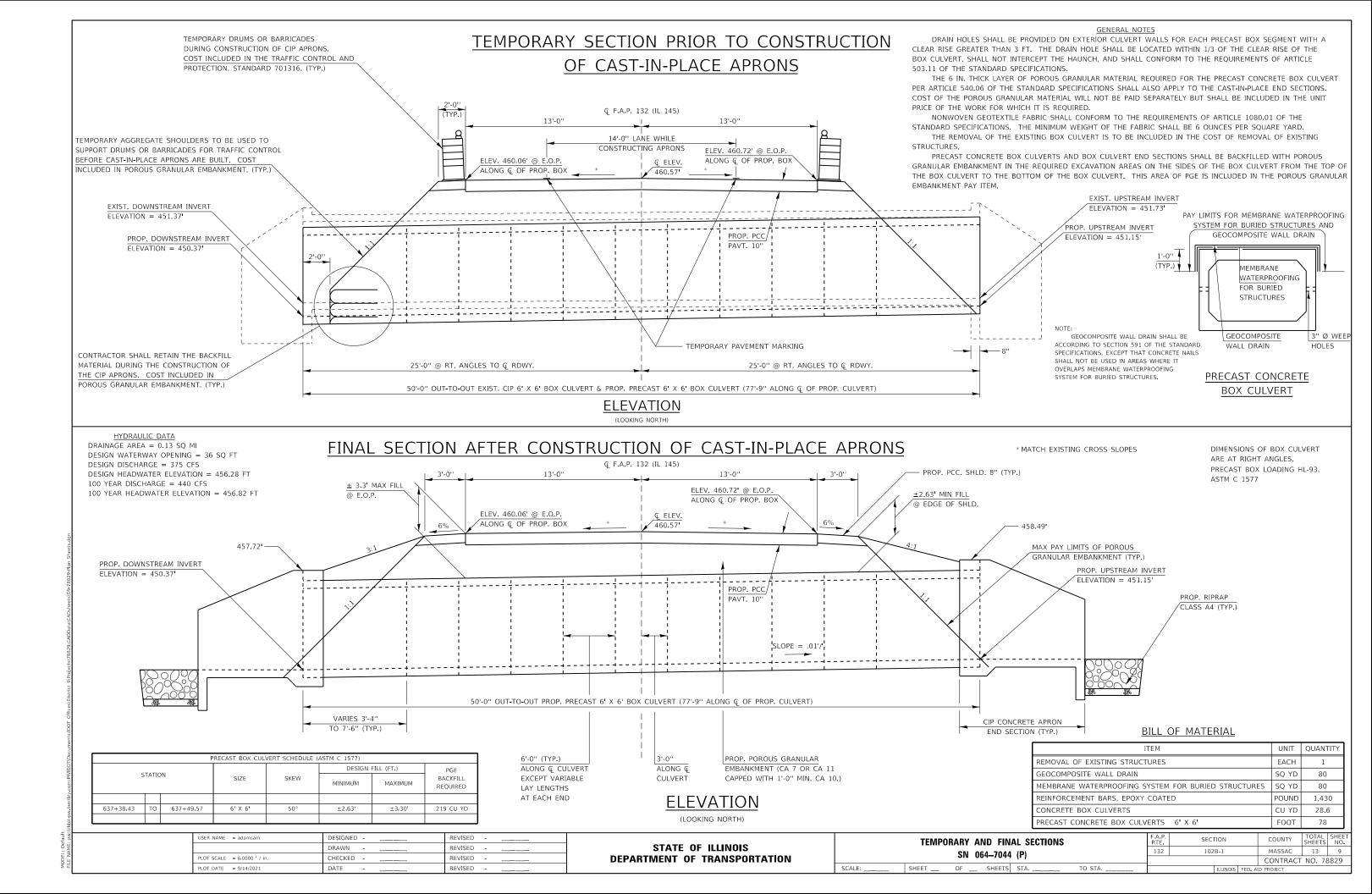
MODEL: Default FILE NAME: pw/\text{\text{Notabroom dot illi}}

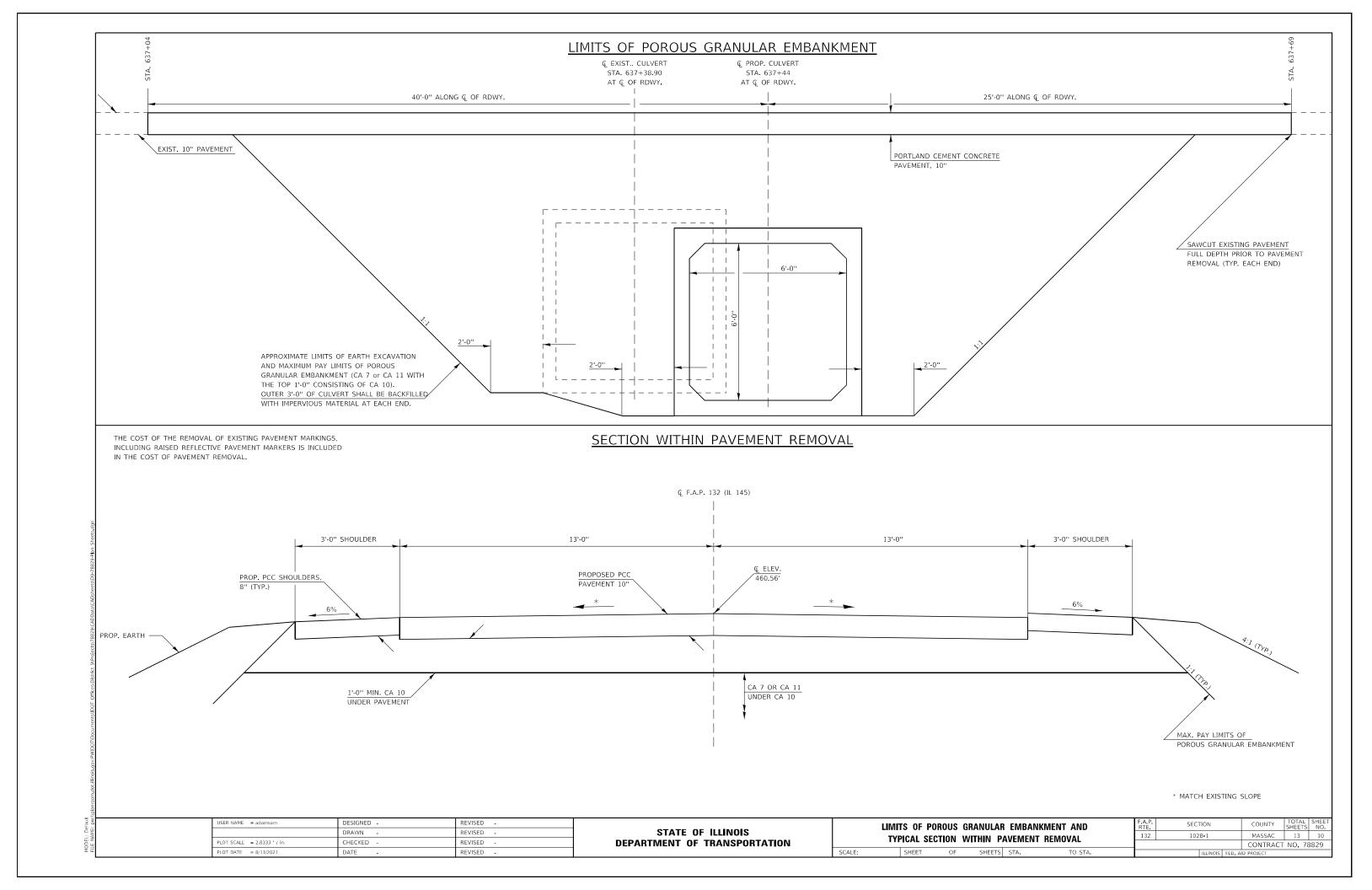
USER NAME = adamsam	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 94.4444 / in.	CHECKED -	REVISED -
PLOT DATE = 8/11/2021	DATE -	REVISED -

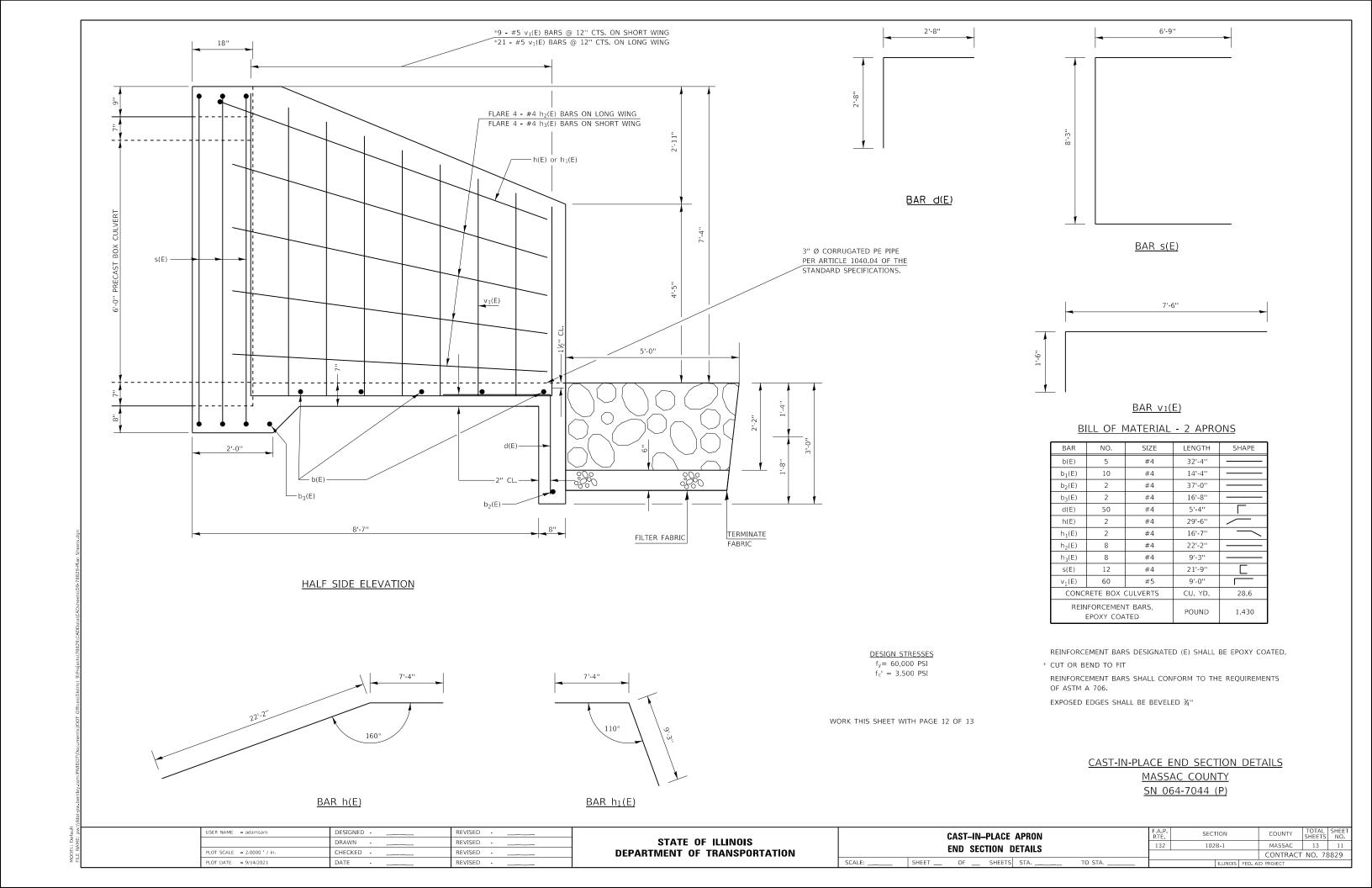
STATE OF ILLINOIS								
DEPARTMENT	OF	TRANSPORTATION						

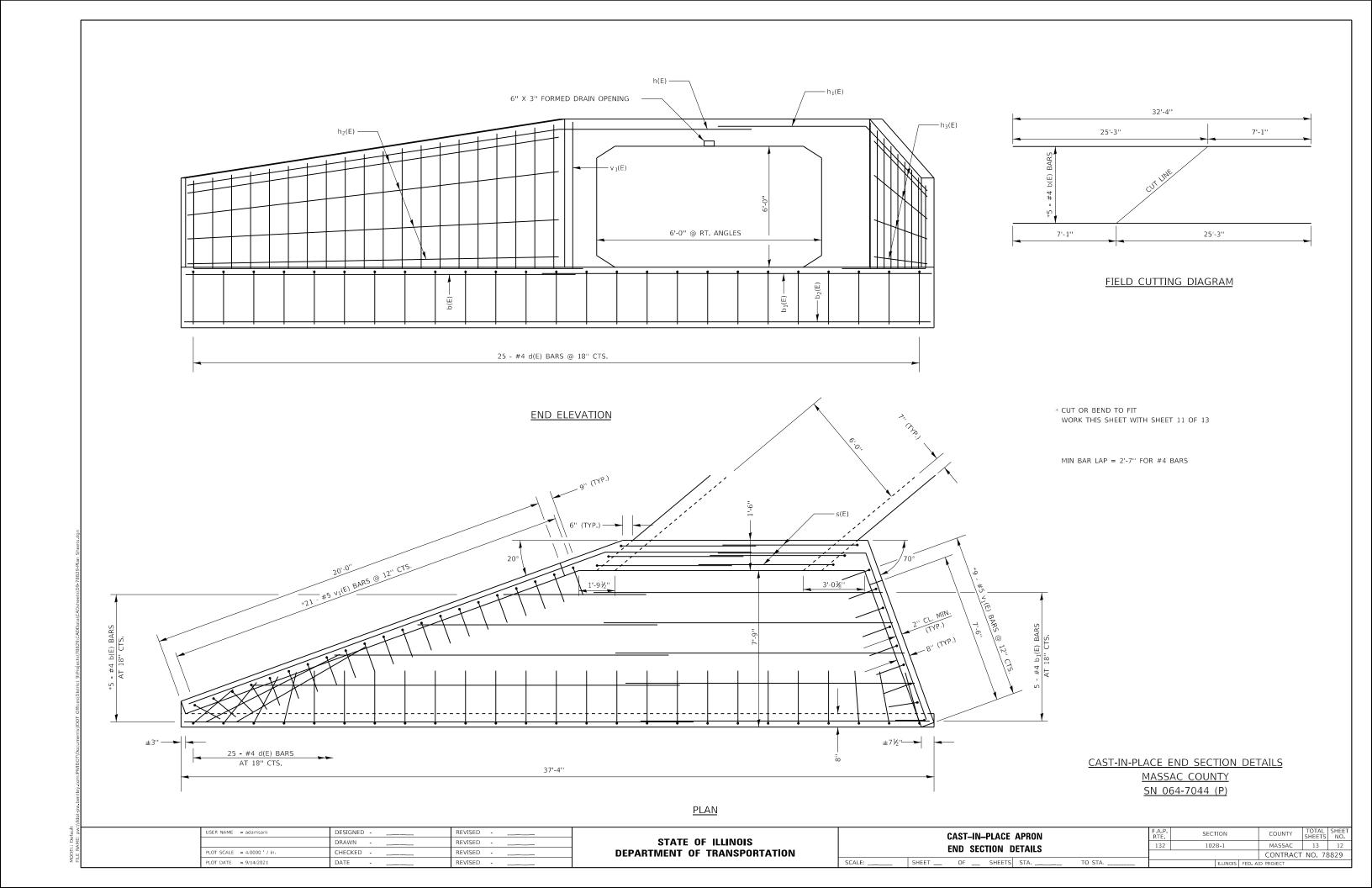
	RTE SECTION				COUNTY	TOTAL SHEETS	SHEET NO.					
	132	32 102B-1		MASSAC	13	7						
										CONTRACT	NO. 78	3829
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT						

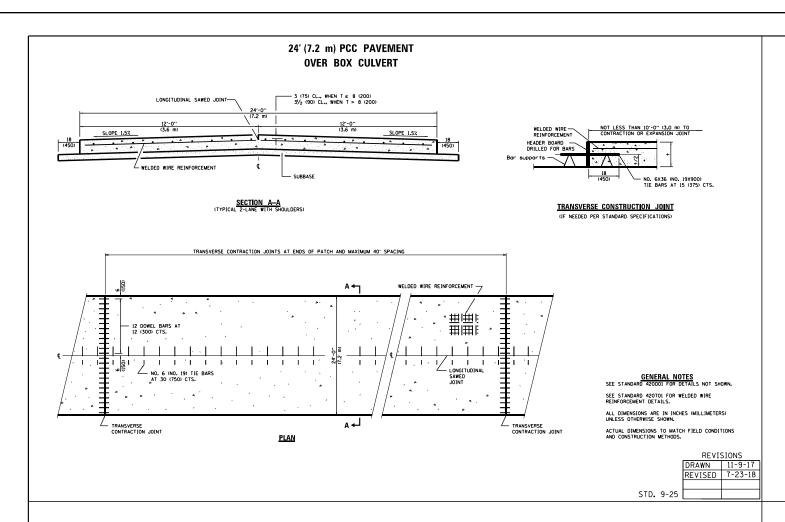




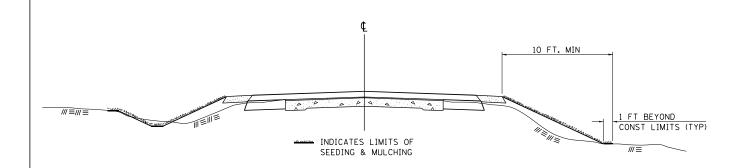








SEEDING & MULCHING



GENERAL NOTES

SCALE:

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS. LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS
REDRAWN 2-15-89
REVISED 8-15-94
REVISED 6-3-95
REVISED 3-27-08
REVISED 5-16-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION