9-23-05 Letting, Item 064

CONTRACT NO. 72118

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	1

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

D-96-541-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

PARK ROADS (SAND RIDGE ROAD & JAKE WOLF MEMORIAL FISH HATCHERY ROAD)
SAND RIDGE STATE FOREST 2004
MASON COUNTY
C-96-554-04

INDEX OF SHEETS

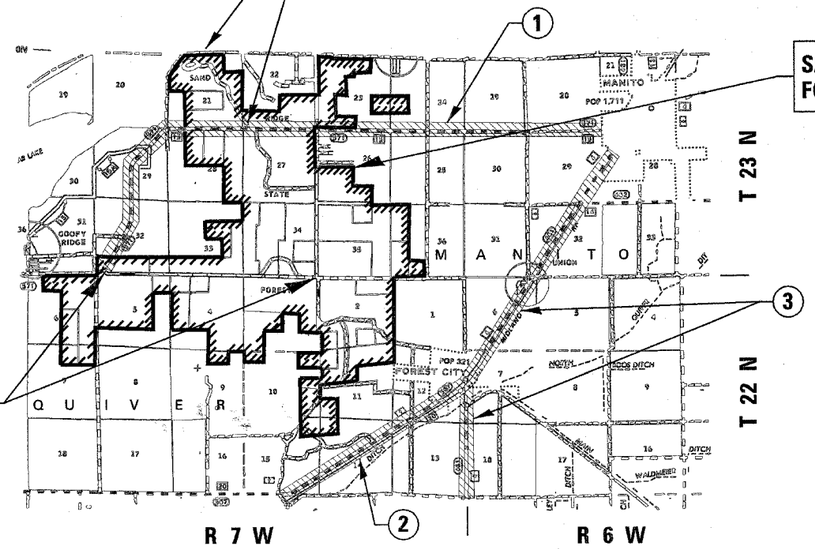
LIST OF STANDARDS

280001-02	701326-02
442201-01	702001-05
542301	720001
542401	720006
606001-02	720011
635001	780001-01
701001-01	000001-04
701006-02	001001
701011-01	001006
701201-02	BLR 21-6
	BLR 22-4

PROJECT INCLUDES RESURFACING OF JAKE WOLF MEMORIAL FISH HATCHERY ENTRANCE ROAD & PARKING AREAS
5,877.90 FT = 1.11 MILES

SEE PAGE #2 FOR ROADWAY LIMITS AND STATION EQUATIONS

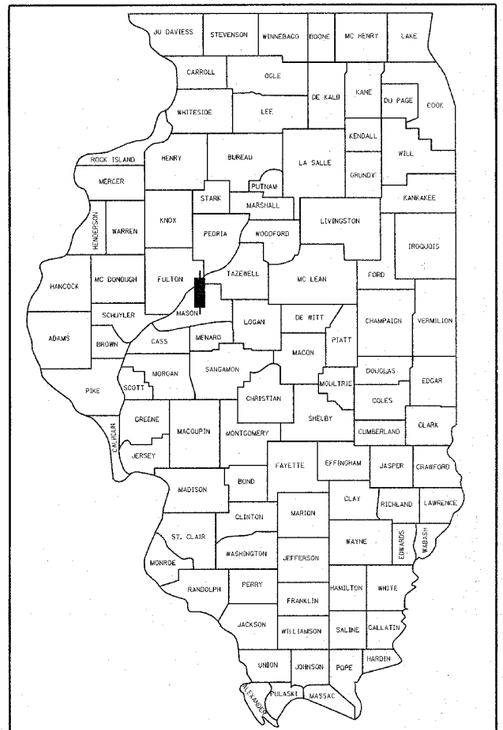
PROJECT ADDITIONALLY INCLUDES RECONSTRUCTION OF SAND RIDGE ROAD, 16,537.79 FT = 3.13 MILES



TOTAL LENGTH OF IMPROVEMENT 22,609.26 FT = 4.28 MILES

DESIGNATED HAUL ROADS

(1) CH 15 (GOOFY RIDGE BLACKTOP) FROM SAND RIDGE RD. TO MANITO
(2) CH 20 FROM HAVANA TO FOREST CITY
(3) CH 4 FROM US 136 TO MANITO



LOCATION OF SECTION INDICATED THUS: –

100′	200′	300′	— 1″ = 100′
10′	20′	30′	— 1″ = 10′
50′	100′		— 1″ = 50′
50′	100′		— 1″ = 40′
50′	100′		— 1″ = 30′
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 72118

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 8 2005
DISTRICT ENGINEER

July 1, 2005
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 2005
Victor Mateer
DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: JOHN NEGANGARD (217)782-6990
SENIOR SQUAD LEADER: MARK DUST (217)785-0597

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CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**-	MASON	86	2
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

GENERAL NOTES:

Where section or Sub-Section Monuments are encountered, the Engineer shall be notified before such monuments are removed. The Contractor shall protect and carefully preserve all property markers and monuments until the owner and authorized Surveyor or Agent has witnessed or otherwise referenced their location.

Any reference to a Standard in the plans shall be interpreted to mean the edition, as indicated by the sub-number listed in the list of Standards, or the copy of he Standard included in these plans.

All details in the plans shall govern construction of this project, and in case of conflict with any Standard drawings included, the said details shall take precedence and shall govern.

The Contractor shall contact J.U.L.I.E. and IDNR Site Manager prior to any excavation to have all public and private utilities located.

The existing signs that interfere with construction shall be relocated as directed by the engineer. After the construction is complete, the contractor shall replace the signs as directed by the engineer. This work will not be paid for separately, but considered included in the contract unit bid prices.

COMMITMENTS:

- The Field /Residents Engineer shall contact Studies & Plans concerning any major plan changes to make sure no commitments (not listed) were made affecting the design, and to allow improvements in the design for future projects
- No access will be allowed outside the construction limits without approval of the IDNR Site Manager.
- Roads shall be kept open as much as possible to provide access to Day Use Areas, Campgrounds, and the Site Office. The Contractor shall coordinate all Road Closures/Restriction with the IDNR Site Manager seven calendar days prior to implementation.
- Letter of Understanding with IDNR, and township.
- SWPPP included in plans and required for NPDES permit.
- Tree removal area measured for payment. 3ft outside construction limits to 3ft outside construction limits (note: includes existing road area where no trees exist).
- Save as many trees as possible.

WORK REQUIREMENT DUE TO ENDANGERED SPECIES:

Construction on Sand Ridge Road shall not start prior to October 1, 2005. All major earthwork, drainage structures, placement of aggregate, and wetland mitigation site shall be completed by February 1, 2006. Work allowed after this date will be placement of the bituminous surface treatment, seeding, (including associated minor grading), and clean-up work, which shall all be completed by **June** 1, 2006.

The following mixture requirements are applicable to this project:

Mixture Use(s)	Level Binder (MM)	Bit. Base Cse., 8"	Bit. Surface
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (max.)	15%	15%	15%
Design Air Voids	4.0% @ N Design = 50	2.0% @ N Design = 50	4.0% @ N Design = 50
Mix Composition (Gradation Mixture)	IL 9.5	IL 19.0	IL 9.5 or 12.5
Volumeric Requirements	------	-----	-----
Friction Aggregate	NA	NA	Mix "C"
Field Density	93-97	93-97	93-97

EXAMINED January 14, 20 04
PROGRAM IMPLEMENTATION ENGINEER

EXAMINED February 8, 20 05
PROGRAM DEVELOPMENT ENGINEER

DISTRICT SIX
EXAMINED January 20 20 04
OPERATIONS ENGINEER

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & COMMITMENTS LIST OF STANDARDS

SCALE: VERT. HORIZ.
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CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	3

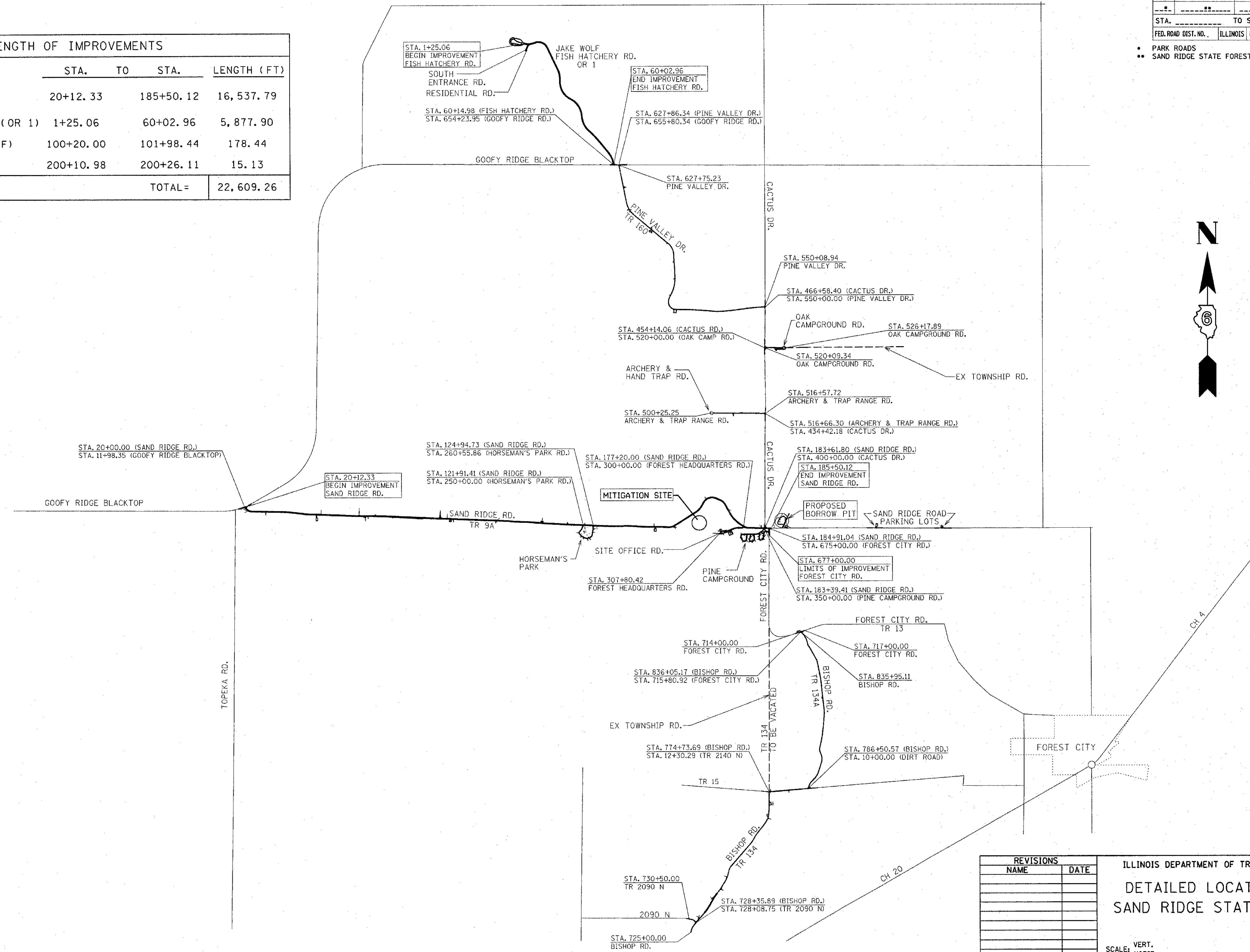
STA. ________ TO STA. ________

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

- * PARK ROADS
- ** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

TOTAL LENGTH OF IMPROVEMENTS

BASE LINE	STA. TO	STA.	LENGTH (FT)
SAND RIDGE RD. (TR 9A) & HUNTER PARKING AREAS	20+12.33	185+50.12	16,537.79
JAKE WOLF FISH HATCHERY RD. (OR 1)	1+25.06	60+02.96	5,877.90
SOUTH ENTRANCE RD. (JAKE WOLF)	100+20.00	101+98.44	178.44
RESIDENTIAL RD. (JAKE WOLF)	200+10.98	200+26.11	15.13
		TOTAL=	22,609.26



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILED LOCATION MAP
SAND RIDGE STATE FOREST

SCALE: VERT. HORIZ.

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

LOCATION OF WORK				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				ROADWAY		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	1000		
20100110	TREE REMOVAL (OVER 6 TO 15 UNITS DIAMETER)	UNIT	134	134		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	17	17		
20100500	TREE REMOVAL, ACRES	ACRE	14.53	14.53		
20200100	EARTH EXCAVATION	CU YD	16,016	16,016		
25000200	SEEDING, CLASS 2	ACRE	5.5	5.5		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1053	1053		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1053	1053		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1053	1053		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	23.4	23.4		
25001750	SEEDING, CLASS 4 (SPECIAL)	ACRE	6.3	6.3		
25100115	MULCH, METHOD 2	ACRE	10.5	10.5		
25101005	HEAVY DUTY EXCELSIOR BLANKET	SQ YD	3000	3000		
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	125	125		
28000300	TEMPORARY DITCH CHECKS	EACH	68	68		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**-	MASON	86	5
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

LOCATION OF WORK				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				ROADWAY		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	1000		
28000600	SEEDING, CLASS 7	ACRE	10	10		
28000700	MULCH, METHOD 1	ACRE	10	10		
28000900	FENCE (EROSION CONTROL)	FOOT	1287	1287		
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	12,324	12,324		
40200100	AGGERGATE SURFACE COURSE, TYPE A	TON	6,958	6,958		
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	58.2	58.2		
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	174	174		
40300500	COVER COAT AGGREGATE	TON	815	815		
40300600	SEAL COAT AGGREGATE	TON	408	408		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	7.2	7.2		
40600300	AGGREGATE (PRIME COAT)	TON	26.8	26.8		
40600990	TEMPORARY RAMP	SQ YD	40	40		
44004700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	287	287		
44200120	PAVEMENT PATCHING, TYPE II, 10 INCH	SQ YD	100	100		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	216	216		

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**-	MASON	86	6

STA. _____ TO STA. _____

FED. ROAD DIST. NO. _ | ILLINOIS | FED. AID PROJECT

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

LOCATION OF WORK				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				ROADWAY		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	1000		
54200433	PIPE CULVERTS, TYPE 1 RCCP 18"	FOOT	450	450		
54200640	PIPE CULVERTS, TYPE 1 CS, AA 15"	FOOT	390.0	390.0		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTION 18"	EACH	30	30		
54215550	METAL END SECTIONS 15"	EACH	4	4		
60260100	INLETS TO BE ADJUSTED	EACH	3	3		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	91	91		
63500105	DELINEATORS	EACH	30	30		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10		
67100100	MOBILIZATION	L SUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1		
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1		
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1		
* 72000100	SIGN PANEL - TYPE 1	SQ FT	96.5	96.5		

*SPECIALTY ITEMS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--*	----**	---MASON--	-86	--7
STA. _____		TO STA._____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

LOCATION OF WORK				CONSTRUCTION TYPE CODE		
SUMMARY OF QUANTITIES				ROADWAY		
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	I000		
*72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	165	165		
*78000100	THERMOPLASTIC PAVEMENT MARKING, - LETTERS AND SYMBOLS	SQ FT	111	111		
*78000300	THERMOPLASTIC PAVEMENT MARKING, - LINE 5"	FOOT	1,624	1,624		
*78000500	THERMOPLASTIC PAVEMENT MARKING, - LINE 8"	FOOT	374	374		
*78000600	THERMOPLASTIC PAVEMENT MARKING, - LINE 12"	FOOT	164	164		
X0300626	CURB AND GUTTER REMOVAL	FOOT	75	75		
X3550500	BITUMINOUS BASE COURSE, SUPERPAVE, 8"	SQ YD	41	41		
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	1,577	1,577		
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON	1,051	1,051		
Z0007800	BUMPER BLOCKS	EACH	18	18		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
* X0325056	FURNISH AND INSTALL POND LINER	SQ YD	3571	3571		
* X0325057	DRILLING AND INSTALLING WATER WELL	EACH	1	1		

*SPECIALTY ITEMS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. HORIZ.
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CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-•-	-••	MASON	86	8
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004

TREE REMOVAL SCHEDULE

LOCATION (STA, OFFSET or STA TO STA)	TREE REMOVAL 6" TO 15"D	TREE REMOVAL > 15" DIA	TREE REMOVAL (ACRE)
SAND RIDGE ROAD			
STA. 20+12.33 TO STA. 33+00.00	-	-	1.24
STA. 33+00.00 TO STA. 48+00.00	-	-	1.67
STA. 48+00.00 TO STA. 63+00.00	-	-	1.85
STA. 63+00.00 TO STA. 78+00.00	-	-	1.9
STA. 78+00.00 TO STA. 93+00.00	-	-	1.64
STA. 93+00.00 TO STA. 108+00.00	-	-	1.68
STA. 108+00.00 TO STA. 123+00.00	-	-	1.66
STA. 123+00.00 TO STA. 138+00.00	-	-	1.77
STA. 138+00.00 TO STA. 150+00.00	-	-	1.12
SAND RIDGE ROAD BORROW PIT			
STA. 202+71.36 @ 116.47' RT	6	-	-
STA. 202+73.67 @ 93.26' RT	6	-	-
SAND RIDGE ROAD BORROW PIT			
STA. 10+70.85 @ 15.42' LT	9	-	-
STA. 11+00.83 @ 50.52' RT	12	-	-
STA. 11+52.21 @ 48.88' RT	13	-	-
STA. 11+52.78 @ 164.41' LT	12	-	-
STA. 11+56.61 @ 159.40' LT	10	-	-
STA. 11+59.70 @ 16.03' LT	-	-	-
STA. 11+60.38 @ 1.44' LT	8	-	-
STA. 11+61.77 @ 73.13' LT	-	17	-
STA. 12+23.96 @ 172.35' LT	7	-	-
STA. 12+88.02 @ 40.78' LT	9	-	-
STA. 13+31.28 @ 4.33' LT	6	-	-
STA. 13+35.70 @ 1.00' RT	7	-	-
STA. 13+46.42 @ 135.72' LT	10	-	-
STA. 13+66.08 @ 52.21' LT	10	-	-
STA. 13+66.32 @ 52.39' LT	9	-	-
STA. 13+71.64 @ 31.33' LT	-	-	-
TOTAL =	134	17	14.53

EARTHWORK SCHEDULE

LOCATION (STATION TO STATION)	EARTH EXCAV. (CU YD)	EMBANK. (CU YD)	EMBANK. X 1.25 (CU YD)	WASTE (BOR.) (CU YD)	ACC. W /(B) (CU YD)
SAND RIDGE ROAD					
STA 20+12.33 TO STA 148+50.00	8484	12783	15979	(7495)	-7495
WETLAND MITIGATION POND					
STA 200+20 TO STA 203+85.38	4149	30	37	4112	3383
SUB-TOTAL=	12633	12813	16016	(3383)	3383
BORROW PIT (EST.)					
STA 10+00.00 TO STA 14+00.00	3383	0	0	(3383)	0
TOTAL=	16016	12813	16016	0	0

NOTES:

- THE ABOVE SCHEDULE CONSIDERS A SHRINKAGE OF 20% TO DETERMINE THE AMOUNT OF WASTE OR BORROW REQUIRED(SHRKAGE FACTOR = 1 /(1.0 - 0.2) = 1.25).
- ALL EXCAVATION WILL BE REQUIRED TO BE USED AS EMBANKMENT BY THE ENGINEER AND APPROVED BY IDNR.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR HAULING OR COMPACTING THE MATERIAL.
- A BORROW SITE ON THIS IDNR SITE HAS BEEN DESIGNATED TO BE USED TO OBTAIN THE NECESSARY ADDITIONAL MATERIAL REQUIRED FOR EMBANKMENT. THE DETAILS IN THE PLANS SHOWS CONTOURS OF A FUTURE POND. THE CONTRACTOR SHALL ONLY EXCAVATE THE AMOUNT OF MATERIAL NEEDED FOR EMBANKMENT ON THIS PROJECT.
- THE NECESSARY EXCAVATION, HAULING, AND EMBANKMENT OF THE MATERIAL FROM THE BORROW SITE WILL BE PAID FOR AT THE CONTRACT UNIT BID PRICE PER CUBIC YARD FOR "EARTH EXCAVATION."

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. HORIZ.
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CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--*-	------**	---MASON--	-86-	-9-
STA. _____	TO STA._____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

SEEDING SCHEDULE

LOCATION (STATION TO STATION)	SEEDING CLASS 2 (ACRE)	SEEDING CLASS 4 (SPECIAL) (ACRE)	AGRICUL. LIME (TON)	NIT. FERT. (LBS)	PHOS. FERT. (LBS)	POT. FERT. (LBS)	MULCH METHOD 2 (ACRE)
SAND RIDGE ROAD & HUNTER PARKING AREAS							
LT 20+12.33 TO LT 148+50.00 FORESLOPE	2.1		4.2	189	189	189	2.1
LT 20+12.33 TO LT 148+50.00 BACKSLOPE		1.0	2.0	90	90	90	2.0
RT 20+12.33 TO RT 148+50.00 FORESLOPE	2.0		4.0	180	180	180	2.0
RT 20+12.33 TO RT 148+50.00 BACKSLOPE		0.8	1.6	72	72	72	1.6
BORROW PIT AREA	1.4		2.8	126	126	126	2.8
WETLAND MITIGATION POND		4.4	8.8	396	396	396	0.0
TOTAL=	5.5	6.3	23.4	1053	1053	1053	10.5

ESTIMATED QUANTITIES

PAY ITEMS	UNIT	TOTAL QUANTITY
EARTH EXCAVATION FOR EROSION CONTROL	CU YD	125
TEMPORARY DITCH CHECKS	EACH	68
FENCE (EROSION CONTROL)	FOOT	1,287
PAVEMENT PATCHING TYPE II, 10"	SQ YD	100
SEEDING, CLASS 7 (EROSION CONTROL)	ACRE	10
MULCH, METHOD 1 (EROSION CONTROL)	ACRE	10

PERMANENT EROSION CONTROL SCHEDULE

LOCATION - PLACEMENT (STATION TO STATION)	AREA (SQ YD)	HEAVY DUTY EXCELS. BLANKET (SQ YD)
SAND RIDGE ROAD & HUNTER PARKING		
STA 25+00 AROUND ENDS OF CULV.	13	13
STA 35+00 AROUND ENDS OF CULV.	13	13
STA 43+00 AROUND ENDS OF CULV.	13	13
RT STA 56+56.32 AROUND ENDS OF CULV.	13	13
LT STA 56+90 TO LT STA 61+00 - DITCH LINING	410	410
RT STA 56+90 TO RT STA 61+00 - DITCH LINING	396	396
LT STA 64+30 TO LT STA 67+10 - DITCH LINING	280	280
RT STA 63+30 TO RT STA 67+10 - DITCH LINING	380	380
LT STA 75+30 TO LT STA 77+30 - DITCH LINING	200	200
RT STA 75+30 TO RT STA 77+30 - DITCH LINING	200	200
STA 78+00 AROUND ENDS OF CULV.	13	13
LT STA 79+01.66 AROUND ENDS OF CULV.	13	13
LT STA 81+40 TO LT STA 84+00 - DITCH LINING	260	260
RT STA 81+40 TO RT STA 84+00 - DITCH LINING	176	176
STA 89+00 AROUND ENDS OF CULV.	13	13
STA 95+00 AROUND ENDS OF CULV.	13	13
STA 101+00 AROUND ENDS OF CULV.	13	13
STA 110+00 AROUND ENDS OF CULV.	13	13
STA 116+00 AROUND ENDS OF CULV.	13	13
STA 121+00 AROUND ENDS OF CULV.	13	13
RT STA 121+76.00 AROUND ENDS OF CULV.	13	13
LT STA 122+50 TO LT STA 124+70 - DITCH LINING	220	220
RT STA 122+00 TO RT STA 124+70 - DITCH LINING	270	270
STA 135+00 AROUND ENDS OF CULV.	13	13
STA 145+00 AROUND ENDS OF CULV.	13	13
STA 176+70 AROUND ENDS OF CULV.	13	13
TOTAL =		3000

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: VERT. HORIZ.
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CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--•	----••	MASON	86	10
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004

AGGREGATE & BITUMINOUS RESURFACING SCHEDULE

LOCATION	BIT. MATERIALS (P.C.) (TON)	AGG (P.C.) (TON)	BIT. BASE CSE 8" (SQ YD)	LEVELING BINDER (TON)	BIT. CONC. SURF. CSE (TON)	AGG SURF. CSE T-A 3" (CA 06) (TON)	SUB-BASE GRAN. MAT T-B 5" (CA 02) (TON)	AGG SHLDS T-B (TON)
SAND RIDGE ROAD								
STA 20+12.33 TO STA 148+50				1,051.3		6,454.9	10,762.4	
HUNTER PARKING AREA NO. 1						110.9	184.9	
HUNTER PARKING AREA NO. 2						67.7	112.8	
HUNTER PARKING AREA NO. 3						48.7	81.2	
HUNTER PARKING AREA NO. 4						118.1	196.9	
HUNTER PARKING AREA NO. 5						100.7	167.8	
HUNTER PARKING AREA NO. 6						56.7	94.5	
JAKE WOLF FISH HATCHERY RD, INCLUDING PARKING LOT AND SOUTH ENTRANCE RD.								
STA 1+25.00 TO STA 60+02.96	7.2	26.8			1,577.0			215.5
LT STA 5+68.32			23					
LT STA 6+37.71			18					
TOTAL =	7.2	26.8	41	1,051.3	1,577.0	6,957.7	12,324	215.5

CURB AND GUTTER REMOVAL

PARKING AREAS	CURB AND GUTTER REMOVAL (LF)
JAKE WOLF FISH HATCHERY VISITOR PARKING	
LT STA 5+68.32	38
LT STA 6+37.71	37
TOTAL =	75

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**-	MASON	86	11
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

BITUMINOUS SURFACE TREATMENT, A-3

LOCATION	BIT. MAT. (PRIME COAT) (TON)	BIT. MAT. (COVER AND SEAL COAT) (TON)	COVER COAT AGG (TON)	SEAL COAT AGG (TON)
SAND RIDGE ROAD				
STA 20+12.33 TO STA 185+50.12	53.9	161.7	756.0	378.0
HUNTER PARKING AREA NO. 1	1.0	2.8	13.0	6.5
HUNTER PARKING AREA NO. 2	0.6	1.7	8.0	4.0
HUNTER PARKING AREA NO. 3	0.4	1.2	5.7	2.9
HUNTER PARKING AREA NO. 4	1.0	3.0	13.8	6.9
HUNTER PARKING AREA NO. 5	0.8	2.5	11.8	5.9
HUNTER PARKING AREA NO. 6	0.5	1.4	6.6	3.3
TOTAL =	58.2	174.3	814.9	407.5

PIPE CULVERT, END SECTION, DELINEATOR, & INLET SCHEDULE

LOCATION	PIPE CULVERTS		END SEC		DELIN.	ADJUST
	TYPE 1-15 CS, AA (FOOT)	TYPE 1-18" RCCP (FOOT)	METAL 15" (EACH)	PRC FL 18" (EACH)	S.-WHITE CRYSTAL (EACH)	INLETS (EACH)
SAND RIDGE ROAD & HUNTER PARKING						
STA 25+00		30.0		2	2	
RT STA 26+79.45	44.0					
STA 35+00		30.0		2	2	
RT STA 42+00	49.0					
STA 43+00		30.0		2	2	
LT STA 43+36.16	48.0					
LT STA 54+76.53	44.0					
RT STA 56+56.32	50.0		2			
STA 57+00		30.0		2	2	
STA 67+00		30.0		2	2	
STA 78+00		30.0		2	2	
LT STA 79+01.66	50.0					
RT STA 82+28.77	55.0					
STA 89+00		30.0		2	2	
STA 95+00		30.0		2	2	
STA 101+00		30.0		2	2	
STA 110+00		30.0		2	2	
STA 116+00		30.0		2	2	
STA 121+00		30.0		2	2	
RT STA 121+76.00	50.0		2			
STA 135+00		30.0		2	2	
STA 145+00		30.0		2	2	
STA 176+70		30.0		2	2	
JAKE WOLF FISH HATCHERY PARKING AREA						
STA. 5+16.17 @ 27.85' LT						1
STA. 5+93.04 @ 26.09' RT						1
STA. 6+84.74 @ 25.41' RT						1
TOTAL =	390.0	450.0	4	30	30	3

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

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CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--*	------**	---MASON--	-86-	-12-
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

SIGNING SCHEDULE

LOCATION: SIGNS SHALL BE LOCATED AT THE FOLLOWING INTERSECTIONS IN CONJUNCTION WITH THE SIGN LOCATIONS MAP.	MUTCD NO.	MESSAGE	SIZE IN x IN	SIGN PANELS T-1 (SQ FT)	TELE. SIGN SUPPORT (FOOT)
1. GOOFY RIDGE BLACKTOP AND SAND RIDGE RD.		BRAKE FOR WILDLIFE	36 x 36	9.00	17.0
	W 13-1A	20 MPH	24 x 24	4.00	
2. GOOFY RIDGE BLACKTOP AND PINE VALLEY DR.		BRAKE FOR WILDLIFE	36 x 36	9.00	17.0
	W 13-1A	20 MPH	24 x 24	4.00	
3. GOOFY RIDGE BLACKTOP AND CACTUS DR.		BRAKE FOR WILDLIFE	36 x 36	9.00	17.0
	W 13-1A	20 MPH	24 x 24	4.00	
4. SAND RIDGE RD. EAST ENTRANCE TO FOREST		BRAKE FOR WILDLIFE	36 x 36	9.00	17.0
	W 13-1A	20 MPH	24 x 24	4.00	
5. FOREST CITY RD. (TR 13) EAST ENTRANCE TO FOREST		BRAKE FOR WILDLIFE	36 x 36	9.00	17.0
	W 13-1A	20 MPH	24 x 24	4.00	
6. BISHOP RD. (TR 134) AND SOUTH ENTRANCE TO FOREST		BRAKE FOR WILDLIFE	36 x 36	9.00	17.0
	W 13-1A	20 MPH	24 x 24	4.00	
SAND RIDGE ROAD LT STA 20+65.00	R1-1(3030)	STOP	30 x 30	6.25	15.0
LT STA 28+00.00	W3-1a(3030)	STOP AHEAD	30 x 30	6.25	15.0
JAKE WOLF FISH HATCHERY RT STA 4+16.01 RT STA 4+16.01	R7-8(1218) R7-I101(612)	HANDICAP $100 FINE	12 x 18 6 x 12	1.50 0.50	11.0
RT STA 4+37.26 RT STA 4+37.26	R7-8(1218) R7-I101(612)	HANDICAP $100 FINE	12 x 18 6 x 12	1.50 0.50	11.0
RT STA 4+53.32 RT STA 4+53.32	R7-8(1218) R7-I101(612)	HANDICAP $100 FINE	12 x 18 6 x 12	1.50 0.50	11.0
TOTAL =				96.50	165.0

NOTES: ALL POST UNLESS OTHERWISE NOTED SHALL MEET THE REQUIREMENTS OF SECTION 728 OF THE STANDARD SPECIFICATIONS. EACH POST SHALL ALSO INCLUDE A 2 1/4" x 2 1/4" x 4' BASE DRIVEN INTO THE GROUND EXCEPT THE LAST 2".

ALL POST SHALL BE OFFSET FROM EDGE OF THE PAVEMENT BY 18'. SEE STANDARD DRAWINGS FOR POST IN PAVEMENT.

PAVEMENT MARKING SCHEDULE

LOCATION	THERMO. PAVT. MK LINE 5" (YELLOW) (FOOT)	THERMO. PAVT. MK. LINE 8" (YELLOW) (FOOT)	THERMO. PAVT. MK. LINE 12" (WHITE) (FOOT)	THERMO. PAVT. MK. L & S (WHITE) (SQ FT)
JAKE WOLF FISH HATCHERY PARKING AREA STA 1+25.06 TO STA 10+85.44	1624	374	164	111.3
TOTAL =	1624	374	164	111

NOTE: LETTERS & SYMBOLS
SMALL DIRECTIONAL ARROW = 6.5 SQ FT
HANDICAP SYMBOL = 4.6 SQ FT

BUMPER BLOCK SCHEDULE (INCIDENTAL TO EARTH EXC.)

PARKING AREAS	BUMPER BLOCK REMOVAL (EACH)	BUMPER BLOCK (NEW) (EACH)
JAKE WOLF FISH HATCHERY VISITOR PARKING	18	18
TOTAL =	18	18

REVISIONS NAME	DATE

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CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	-*-	-**-	MASON	86	12
	STA. _____	TO STA. _____			
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

Z242 - NGS BM DISK IN CLAY TILE
@ SE QUAD INT GOOFY RIDGE BLKTP
(2300N) & TR 2300 E NAVD88 - 500.56

BM 500: SET 60d SPIKE NAIL IN 26" TREE,
S SIDE OF SAND RIDGE ROAD, 0.17 MILE EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 491.983

BM 501: SET 60d SPIKE NAIL IN 12" TREE,
S SIDE OF SAND RIDGE ROAD, 0.329 MILE EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 491.983

BM 502: SET 60d SPIKE NAIL IN BACK SIDE 6" TREE,
N SIDE OF SAND RIDGE ROAD, 0.493 MILE EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 496.621

BM 503: SET 60d SPIKE NAIL IN 24" TREE,
S SIDE OF SAND RIDGE ROAD, 0.654 MILE EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 499.679

BM 504: SET 60d SPIKE NAIL IN 17" DBL FK TREE,
S SIDE OF SAND RIDGE ROAD, 0.768 MILE EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 499.864

BM 505: SET 60d SPIKE NAIL IN 13" TREE,
S SIDE OF SAND RIDGE ROAD, 0.910 MILE EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 496.140

BM 506: SET 60d SPIKE NAIL IN 8" TREE,
N SIDE OF SAND RIDGE ROAD, 1.051 MILES EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 511.989

BM 507: SET RR SPIKE (FLUSH) IN STUMP,
NE QUAD OF WALKER'S PRIVATE DRIVE & SAND RIDGE
ROAD, 1.164 MILES EAST ALONG SAND RIDGE ROAD
FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 497.031

BM 508: SET 60d SPIKE NAIL IN 16" PINE TREE,
S SIDE OF SAND RIDGE ROAD, 1.194 MILES EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 498.731

BM 509: SET RR SPIKE IN 23" TREE,
S SIDE OF SAND RIDGE ROAD, 1.325 MILES EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 509.134

BM 510: SET RR SPIKE IN 24" STUMP,
N SIDE OF SAND RIDGE ROAD, 1.583 MILES EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 510.729

BM 511: SET 60d SPIKE NAIL IN BACK SIDE 9" TREE,
S SIDE OF SAND RIDGE ROAD, 1.726 MILES EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 503.376

BM 512: SET 60d SPIKE NAIL IN 35" TREE,
S SIDE OF SAND RIDGE ROAD, 1.897 MILES EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 504.399

BM 513: SET CHSLD SQUARE ON CONC PAD FOR
WATER PUMP, NW COR OF PAD, LOCATED IN THE
NW QUAD OF HORSEMAN'S PARK, 2.009 MILES EAST
ALONG SAND RIDGE ROAD FROM JCT GOOFY RIDGE BLKTP
NAVD88 = 502.303

BM 514: SET 60d SPIKE NAIL IN 24" TREE,
S SIDE OF SAND RIDGE ROAD, 2.165 MILES EAST
FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 509.657

BM 515: SET 60d SPIKE NAIL IN 17" TREE,
S SIDE OF SAND RIDGE ROAD, 2.382 MILES EAST
FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 502.840

BM 516: SET 60d SPIKE NAIL IN SIGN POST,
"SERVICE RD ONLY" / "RD GATED AHEAD",
S SIDE OF SAND RIDGE ROAD, 2.52 MILES EAST
FROM JCT GOOFY RIDGE BLKTP
NAVD88 - 495.536

BM 517: SET CHSLD SQUARE AT SE COR OF MISC
CONC PAD AT SMALL BRICK BLDG, 2.774 MILES EAST
FROM JCT GOOFY RIDGE BLKTP
NAVD88 = 499.766

BM 518: SET CHSLD SQUARE AT SE COR OF MISC
CONC PAD AT SMALL BRICK BLDG, 2.952 MILES EAST
FROM JCT GOOFY RIDGE BLKTP
NAVD88 = 495.869

BM 519: SET CHSLD SQUARE AT NW COR OF
CONC PAD FOR AGS, S OF JCT TR2600E/2300N
(FOREST CITY RD, CACTUS DR AND SAND RIDGE RD)
NAVD88 = 500.181

BM 520: SET 60d SPIKE IN POWER POLE,
AT NW QUAD OF CACTUS RD, HAND TRAP AND ARCHERY RD,
0.653 MILES NORTH ALONG CACTUS RD
FROM JCT SAND RIDGE BLKTP
NAVD88 - 509.117

BM USGS 11DLW: BENCH MARK DISK AT SW QUAD OF
INT OF CACTUS RD AND OAK CAMP RD(2400N), 1.023 MILE
NORTH FROM JCT OF SAND RIDGE RD
NAVD88 - 504.085

BM 521: SET 60d SPIKE NAIL IN 18" PINE TREE,
AT NW QUAD OF INT OF CACTUS RD AND PINE VALLEY DR,
0.02 MILES WEST FROM JCT
NAVD88 - 497.248

BM 522: SET 60d SPIKE NAIL IN 12" PINE TREE,
SOUTH SIDE OF PINE VALLEY DR, 0.174 MILES WEST
OF JCT CACTUS DR
NAVD88 - 515.485

BM 523: SET 60d SPIKE NAIL IN BACK SIDE OF 9" TREE,
SOUTH SIDE OF PINE VALLEY DR, 0.338 MILES WEST
OF JCT CACTUS DR
NAVD88 - 523.903

BM 524: SET 60d SPIKE NAIL IN BACK SIDE OF 9" TREE,
SOUTH SIDE OF PINE VALLEY DR, 0.485 MILES WEST
OF JCT CACTUS DR
NAVD88 - 505.997

BM 525: SET CHSLD "X" IN FACE OF EAST CONC BLDG #8
W SIDE OF PINE VALLEY DR, 0.62 MILES WEST THEN
N FROM JCT OF CACTUS RD
NAVD88 = 499.650

BM 526: SET CHSLD "X" IN FACE OF EAST CONC BLDG #7
W SIDE OF PINE VALLEY DR, 0.724 MILES WEST THEN
N FROM JCT OF CACTUS RD
NAVD88 = 499.570

BM 527: SET CHSLD "X" IN FACE OF EAST CONC BLDG #6
W SIDE OF PINE VALLEY DR, 0.820 MILES WEST THEN
N FROM JCT OF CACTUS RD
NAVD88 = 503.586

BM 528: SET CHSLD "X" IN FACE OF EAST CONC BLDG #5
(WELL PUMP HOUSE) W SIDE OF PINE VALLEY DR,
0.938 MILES WEST THEN N FROM JCT OF CACTUS RD
NAVD88 = 503.384

BM 529: SET CHSLD SQUARE IN CENTER OF EAST EDGE OF
MISC CONC SLAB FOR DIESAL GAS TANK, W SIDE OF PINE
VALLEY DR, 1.053 MILES WEST THEN N FROM JCT CACTUS RD
NAVD88 = 502.322

BM 530: SET 60d SPIKE NAIL IN 15" PINE TREE,
WEST SIDE OF PINE VALLEY DR, 1.264 MILES WEST
THEN N FROM JCT CACTUS DR
NAVD88 - 502.874

BM 531: SET CHSLD SQUARE IN SW EDGE OF ROUND CONC
FOR ORANGE ELECTRIC JCT BOX
AT SW QUAD OF GOOFY RIDGE BLKTP AND PINE VALLEY DR
NAVD88 = 505.036

BM 532: SET 60d SPIKE NAIL IN POWER POLE,
WEST SIDE OF ENTRANCE, N SIDE OF GOOFY RIDGE BLKTP(2500N)
0.544 MILES WEST OF FISH HATCHERY RD
NAVD88 - 534.707

BM 533: SET 60d SPIKE NAIL IN POWER POLE,
NORTH SIDE OF GOOFY RIDGE BLKTP(2500N)
0.807 MILES WEST OF FISH HATCHERY RD
NAVD88 - 506.970

W238: NGS BENCH MARK DISK IN CONC
1.2 MILES WEST OF FISH HATCHERY RD AT THE
NW QUAD OF GOOFY RIDGE BLKTP(2500N)
AND TR2400E, +-175 FT N OF JCT
NAVD88 - 501.46

BM 534: SET 60d SPIKE NAIL IN BACK SIDE
OF 31" TREE, 508 FT EAST OF JUNCTION
2400N(ENTRANCE TO OAK CAMPGROUNDS) / 2600E CACTUS DR,
S SIDE OF ROCK RD

BM 535: SET 60d SPIKE NAIL IN BACK OF
10" EVERGREEN, 950 FT WEST ALONG ARCHERY RANGE RD
FROM CACTUS DR TO BM ON S SIDE RD AT GATED FIRE LANE

BM 536: SET 60d SPIKE NAIL IN 10" EVERGREEN
AT NW CORNER OF ARCHERY PARKING LOT,
1660 WEST OF CACTUS DR

BM 537: SET 60d SPIKE NAIL IN 18" TREE,
NORTH SIDE OF SAND RIDGE RD
0.27 MILES EAST FROM JCT WITH CACTUS RD(2600E)
NAVD88 - 498.350

BM 538: SET 60d SPIKE NAIL IN 32" DBL FK TREE,
SOUTH SIDE OF SAND RIDGE RD
0.57 MILES EAST FROM JCT WITH CACTUS RD
NAVD88 - 505.395

BM 539: SET 60d SPIKE NAIL IN 13" TREE,
SOUTH SIDE OF SAND RIDGE RD
0.85 MILES EAST FROM JCT WITH CACTUS RD
NAVD88 - 503.392

BM 540: SET 60d SPIKE NAIL IN 16" PINE TREE,
AT WILDLIFE PARKING LOT #2, NORTH SIDE OF SAND RIDGE RD
1.01 MILES EAST FROM JCT WITH CACTUS RD
NAVD88 - 494.557

BM 541: SET 60d SPIKE NAIL IN 15" EVERGREEN TREE,
SOUTH ALONG FOREST CITY RD, 0.275 MILES FROM "T"
INT OF FOREST CITY RD AND SAND RIDGE RD TO STA ON RT,
WEST SIDE OF ROAD

BM 542: SET 60d SPIKE NAIL ON WEST SIDE OF TRAIL X-ING SIGN,
ON WEST SIDE OF RD, 0.362 MILES SOUTH OF "T"
INT OF FOREST CITY RD AND SAND RIDGE RD,
ALONG FOREST CITY RD

BM 543: SET RR SPIKE IN 21" TREE STUMP,
ON NORTH SIDE OF RD AT PARKING LOT #1,
0.767 MILES S ALONG FOREST CITY RD FROM "T" INT
OF FOREST CITY RD AND SAND RIDGE RD

BM 544: SET 60d SPIKE NAIL IN 24" DECIDOUS TREE,
ON WEST SIDE OF RD, 0.234 MILES SOUTH ALONG
BISHOP RD FROM "T" INT OF FOREST CITY RD AND BISHOP RD

BM 545: SET 60d SPIKE NAIL IN 20" DECIDOUS TREE,
ON EAST SIDE OF RD, 0.508 MILES SOUTH ALONG
BISHOP RD FROM "T" INT OF FOREST CITY RD AND BISHOP RD

BM 546: SET 60d SPIKE NAIL IN 15" EVERGREEN TREE,
ON EAST SIDE OF RD, 0.807 MILES SOUTH ALONG
BISHOP RD FROM "T" INT OF FOREST CITY RD AND BISHOP RD

BM 547: SET 60d SPIKE NAIL IN POWER POLE,
ON SOUTH SIDE OF 2140N, 0.104 MILES WEST OF "T"
INT OF BISHOP RD AND 2140N, ALONG 2140N

BM 548: SET 60d SPIKE NAIL IN 42" DECIDOUS TREE,
ON EAST SIDE OF RD, ALONG N BISHOP RD,
0.068 MILES SOUTH OF "T" INT OF 2140N AND N BISHOP RD

BM 549: SET 60d SPIKE NAIL IN 36" DECIDOUS TREE,
ON EAST SIDE OF RD, ALONG N BISHOP RD,
0.280 MILES SOUTH OF "T" INT OF 2140N AND N BISHOP RD

BM 550: SET 60d SPIKE NAIL IN 20" DECIDOUS TREE,
ON EAST SIDE OF RD, ALONG N BISHOP RD,
0.691 MILES SOUTH OF "T" INT OF 2140N AND N BISHOP RD

BM 551: FOUND RR SPIKE IN 27" DECIDOUS TREE,
ON SOUTH SIDE OF 2090N, AT INT OF N BISHOP RD AND 2090N,
0.884 MILES SOUTH OF "T" INT OF 2140N AND N BISHOP RD

BM 552: SET 60d SPIKE NAIL IN N SIDE OF POWER POLE,
ON NORTH SIDE OF 2080N, GOING WEST FROM INT SIGN
OF 2080N AND N BISHOP RD AT 0.433 MILES

BM 553: SET 60d SPIKE NAIL IN POWER POLE,
ON EAST SIDE OF ROAD, 0.075 MILES HEADING SOUTH
ON 2450E FROM "T" INT OF 2450E AND 2080N

BM 554: CHISELED SQUARE IN SE CORNER OF
GAS PUMP FOUND AT RANGER STATION

BM 555: SET CHISELED SQUARE IN NW CORNER
OF SIDEWALK FOR EAST BATHROOMS, NEAR MAIN
ENTRANCE FOR PINE CAMPGROUNDS

BM 556: SET CHISELED SQUARE IN NW CORNER
OF SIDEWALK FOR SOUTH BATHROOMS
IN PINE CAMPGROUNDS

REVISIONS	
NAME	DATE

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BENCHMARKS

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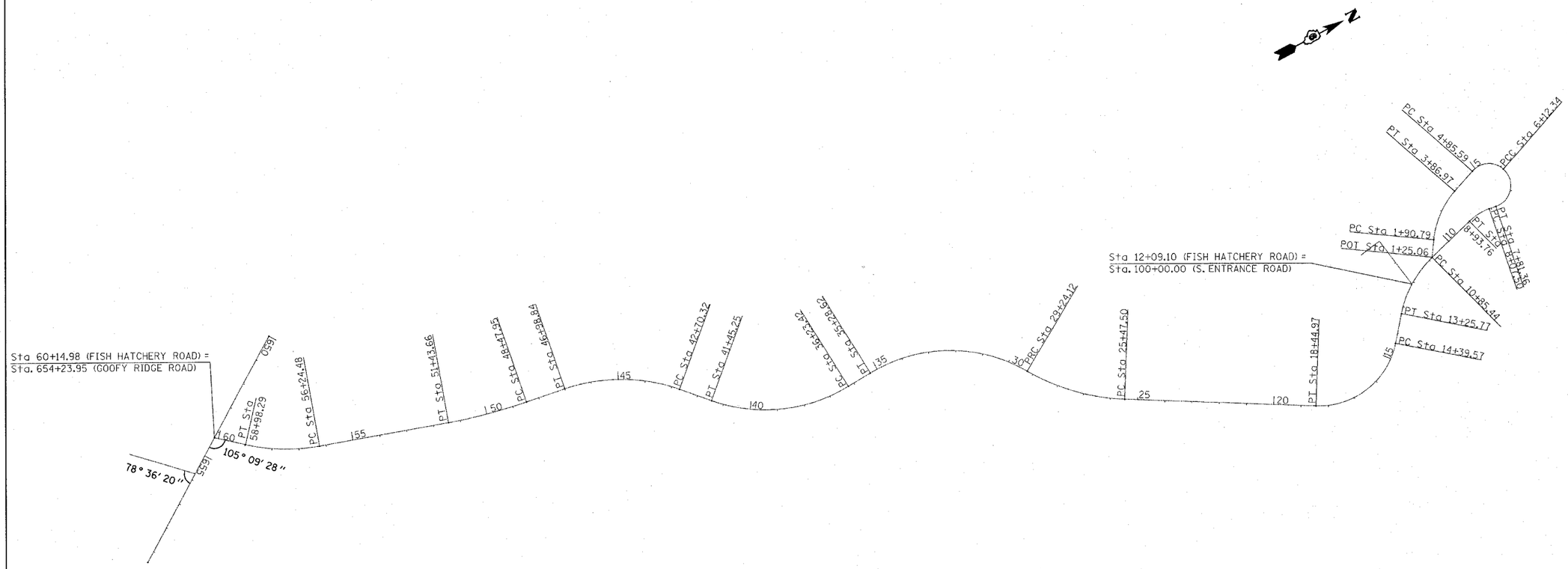
DG PROJECT: D654196 FILE: XTIES&BMARKS__.DGN

CONTRACT #72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	-*-	--**	MASON	20	19
	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



EXIST. CURVE 729
PI STA. = 57+63.28
Δ = 23° 09' 28" (RT)
D = 8° 27' 28"
R = 677.44'
T = 138.80'
L = 273.81'
E = 14.07'
e = 3%
P.C. STA. = 56+24.48
P.T. STA. = 58+98.29

EXIST. CURVE 728
PI STA. = 49+96.09
Δ = 8° 40' 12" (RT)
D = 2° 55' 55"
R = 1,954.23'
T = 148.14'
L = 295.71'
E = 5.61'
e = 2.2%
P.C. STA. = 48+47.95
P.T. STA. = 51+43.66

EXIST. CURVE 727
PI STA. = 44+93.02
Δ = 38° 30' 04" (LT)
D = 8° 59' 04"
R = 637.71'
T = 222.71'
L = 428.53'
E = 37.77'
e = 4.5%
P.C. STA. = 42+70.32
P.T. STA. = 46+98.84

EXIST. CURVE 726
PI STA. = 39+03.15
Δ = 51° 07' 45" (RT)
D = 9° 47' 53"
R = 584.77'
T = 279.73'
L = 521.83'
E = 63.46'
e = 4.5%
P.C. STA. = 36+23.42
P.T. STA. = 41+45.25

EXIST. CURVE 725
PI STA. = 32+59.56
Δ = 61° 49' 15" (LT)
D = 10° 13' 37"
R = 560.25'
T = 335.44'
L = 604.49'
E = 92.74'
e =4.8%
P.C. STA. = 29+24.12
P.T. STA. = 35+28.62

EXIST. CURVE 723
PI STA. = 27+39.72
Δ = 28° 14' 50" (RT)
D = 7° 30' 01"
R = 763.93'
T = 192.22'
L = 376.62'
E = 23.81'
e = 4%
P.C. STA. = 25+47.50
P.T. STA. = 29+24.12

EXIST. CURVE 721
PI STA. = 16+84.48
Δ = 80° 59' 24" (RT)
D = 19° 58' 40"
R = 286.80'
T = 244.90'
L = 405.40'
E = 90.34'
e = 6%
P.C. STA. = 14+39.57
P.T. STA. = 18+44.97

EXIST. CURVE 736
PI STA. = 12+09.35
Δ = 14° 18' 24" (LT)
D = 14° 18' 24"
R = 400.48'
T = 123.91'
L = 240.34'
E = 18.73'
e = NONE
P.C. STA. = 10+85.44
P.T. STA. = 13+25.77

EXIST. CURVE 735
PI STA. = 8+51.36
Δ = 25° 33' 59" (LT)
D = 29° 38' 20"
R = 193.31'
T = 43.86'
L = 86.26'
E = 4.91'
e = NONE
P.C. STA. = 8+07.50
P.T. STA. = 8+93.76

EXIST. CURVE 733
PI STA. = 5+66.29
Δ = 90° 00' 00" (RT)
D = 71° 00' 17"
R = 80.69'
T = 80.69'
L = 126.75'
E = 33.42'
e = NONE
P.C. STA. = 4+85.59
P.T. STA. = 6+12.34

EXIST. CURVE 731
PI STA. = 7+52.12
Δ = 120° 00' 00" (RT)
D = 70° 59' 55"
R = 80.70'
T = 139.78'
L = 169.02'
E = 80.70'
e = NONE
P.C. STA. = 6+12.35
P.T. STA. = 7+81.36

EXIST. CURVE 738
PI STA. = 2+92.17
Δ = 35° 38' 32" (RT)
D = 18° 10' 05"
R = 315.36'
T = 101.38'
L = 196.18'
E = 15.89'
e = NONE
P.C. STA. = 1+90.79
P.T. STA. = 3+86.97

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT LAYOUT
FISH HATCHERY ROAD

SCALE: VERT. N/A
HORIZ. 1" = 200'
DATE OCT 2003

DRAWN BY RLR
CHECKED BY JCN

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CONTRACT #72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--*	----**	--MASON--	26	15
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

EXIST. CURVE 600
PI STA. = 12+51.47
Δ = 14° 23' 40" (LT)
D = 4° 19' 43"
R = 1,323.63'
T = 167.15'
L = 332.54'
E = 10.51'
P.C. STA. = 10+84.32
P.T. STA. = 14+16.86

PROP. CURVE PS602
PI STA. = 21+72.52
Δ = 46° 58' 04" (LT)
D = 26° 32' 18"
R = 215.90'
T = 93.80'
L = 176.98'
E = 19.50'
P.C. STA. = 20+78.72
P.T. STA. = 22+55.70
SE = 2.00%
SE TRANS:
RT STA 20+20.720 TO STA 21+28.720 (-2.0% - +2.0%)
RT STA 22+30.700 TO STA 23+80.700 (+2.0 - -2.0%)
LT STA 20+20.720 TO STA 23+80.700 (-2.0% - -2.0%)

PROP. CURVE PS603
PI STA. = 33+52.81
Δ = 5° 57' 19" (RT)
D = 2° 04' 00"
R = 2,772.27'
T = 144.21'
L = 288.15'
E = 3.75'
P.C. STA. = 32+08.60
P.T. STA. = 34+96.75
SE = 4.10%
SE TRANS:
LT STA 30+18.112 TO STA 32+63.600 (-2.0% - +4.1%)
RT STA 31+79.088 TO STA 32+63.600 (-2.0 - -4.1%)
LT STA 34+41.750 TO STA 36+82.502 (+4.1% - -2.0%)
RT STA 34+41.750 TO STA 35+26.262 (-4.1% - -2.0%)

PROP. CURVE PS604
PI STA. = 38+80.95
Δ = 4° 51' 49" (LT)
D = 6° 01' 31"
R = 950.93'
T = 40.38'
L = 80.72'
E = 0.86'
P.C. STA. = 38+40.57
P.T. STA. = 39+21.29
SE = 6.00%
SE TRANS:
LT STA 37+85.570 TO STA 38+95.570 (-2.0% - -6.0%)
RT STA 36+82.500 TO STA 38+95.570 (-2.0 - +6.0%)
LT STA 38+66.290 TO STA 39+76.290 (-6.0% - -2.0%)
RT STA 38+66.290 TO STA 40+86.290 (+6.0% - -2.0%)

PROP. CURVE PS605
PI STA. = 54+63.64
Δ = 2° 55' 29" (LT)
D = 0° 35' 06"
R = 9,793.38'
T = 250.00'
L = 499.89'
E = 3.19'
P.C. STA. = 52+13.64
P.T. STA. = 57+13.53
SE = N.C.

PROP. CURVE PS606
PI STA. = 59+43.58
Δ = 3° 08' 37" (RT)
D = 1° 09' 46"
R = 4,927.44'
T = 135.20'
L = 270.34'
E = 1.85'
P.C. STA. = 58+08.37
P.T. STA. = 60+78.71
SE = 2.70%
SE TRANS:
LT STA 55+76.148 TO STA 58+63.370 (-2.0% - +2.7%)
RT STA 56+98.370 TO STA 58+63.370 (-2.0 - -2.7%)
LT STA 60+23.710 TO STA 63+10.932 (+2.7% - -2.0%)
RT STA 60+23.710 TO STA 61+88.710 (-2.7% - -2.0%)

PROP. CURVE PS607
PI STA. = 69+65.91
Δ = 0° 18' 21" (RT)
D = 0° 09' 11"
R = 37,453.53'
T = 100.00'
L = 200.00'
E = 0.13'
P.C. STA. = 68+65.91
P.T. STA. = 70+65.91
SE = N.C.

PROP. CURVE PS608
PI STA. = 81+16.55
Δ = 0° 50' 44" (LT)
D = 0° 04' 03"
R = 84,852.15'
T = 626.05'
L = 1,252.09'
E = 2.31'
P.C. STA. = 74+90.50
P.T. STA. = 87+42.58
SE = N.C.

EXIST. CURVE 608
PI STA. = 83+59.74
Δ = 3° 06' 05" (RT)
D = 3° 02' 29"
R = 1,883.93'
T = 51.00'
L = 101.98'
E = 0.69'
e = N.C.
P.C. STA. = 83+08.74
P.T. STA. = 84+10.71

EXIST. CURVE 609
PI STA. = 85+01.89
Δ = 2° 40' 11" (LT)
D = 2° 37' 04"
R = 2,188.70'
T = 51.00'
L = 101.98'
E = 0.59'
e = N.C.
P.C. STA. = 84+50.89
P.T. STA. = 85+52.87

PROP. CURVE 261
PI STA. = 97+53.00
Δ = 1° 40' 36" (RT)
D = 0° 50' 18"
R = 6,833.78'
T = 100.00'
L = 199.99'
E = 0.73'
P.C. STA. = 96+53.00
P.T. STA. = 98+52.99
SE = 2.10%
SE TRANS:
LT STA 93+85.847 TO STA 97+07.990 (-2.0% - +2.1%)
RT STA 95+42.990 TO STA 97+07.990 (-2.0 - -2.1%)
LT STA 97+97.970 TO STA 99+26.56 (+2.1% - 0.0%)
RT STA 97+97.970 TO STA 99+26.56 (-2.1% - 0.0%)

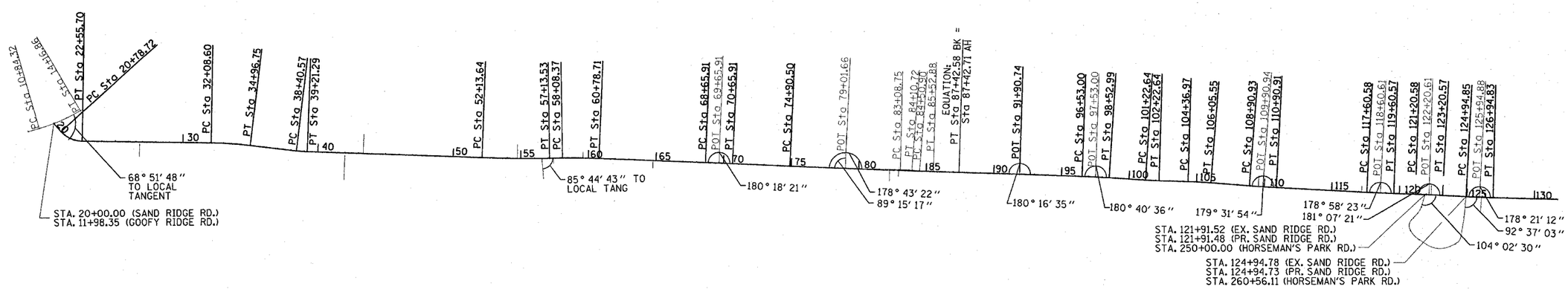
PROP. CURVE PSC8
PI STA. = 101+72.64
Δ = 2° 00' 33" (LT)
D = 2° 00' 33"
R = 2,851.67'
T = 50.01'
L = 100.00'
E = 0.44'
P.C. STA. = 101+22.64
P.T. STA. = 102+22.64
SE = 3.97%
SE TRANS:
LT STA 99+26.560 TO STA 101+72.620 (0.0% - -3.97%)
RT STA 99+26.560 TO STA 101+72.620 (0.0 - +3.97%)
LT STA 101+72.620 TO STA 103+40.321 (-3.97% - 00%)
RT STA 101+72.620 TO STA 103+40.321 (+3.97% - 0.0%)

PROP. CURVE PSC9
PI STA. = 105+21.28
Δ = 2° 46' 02" (RT)
D = 1° 38' 30"
R = 3,490.39'
T = 84.31'
L = 168.58'
E = 1.02'
P.C. STA. = 104+36.97
P.T. STA. = 106+05.55
SE = 3.60%
SE TRANS:
LT STA 103+40.321 TO STA 104+91.960 (0.0% - +3.6%)
RT STA 103+40.321 TO STA 104+91.960 (0.0% - -3.6%)
LT STA 105+50.540 TO STA 108+04.710 (+3.6% - 0.0%)
RT STA 105+50.540 TO STA 108+04.710 (-3.6% - 0.0%)

PROP. CURVE 253
PI STA. = 109+90.93
Δ = 1° 32' 38" (LT)
D = 0° 46' 19"
R = 7,421.64'
T = 100.00'
L = 199.99'
E = 0.67'
P.C. STA. = 108+90.93
P.T. STA. = 110+90.91
SE = 2.00%
SE TRANS:
LT STA 108+04.710 TO STA 109+45.920 (0.0% - -2.0%)
RT STA 108+04.710 TO STA 109+45.920 (0.0 - +2.0%)
LT STA 110+35.900 TO STA 112+00.900 (-2.0% - 2.0%)
RT STA 110+35.900 TO STA 113+65.900 (+2.0% - 2.0%)

PROP. CURVE 232
PI STA. = 118+60.58
Δ = 1° 01' 37" (LT)
D = 0° 30' 49"
R = 11,156.97'
T = 100.00'
L = 199.99'
E = 0.45'
P.C. STA. = 117+60.58
P.T. STA. = 119+60.57
SE = N.C.

PROP. CURVE 231
PI STA. = 122+20.58
Δ = 1° 07' 21" (RT)
D = 0° 33' 40"
R = 10,209.51'
T = 100.00'
L = 199.99'
E = 0.49'
P.C. STA. = 121+20.58
P.T. STA. = 123+20.57
SE = N.C.



PROP. CURVE 229
PI STA. = 125+94.85
Δ = 1° 38' 47" (LT)
D = 0° 49' 24"
R = 6,959.17'
T = 100.00'
L = 199.99'
E = 0.72'
P.C. STA. = 124+94.85
P.T. STA. = 126+94.83
SE = 2.10%
SE TRANS:
LT STA 123+84.830 TO STA 125+49.830 (-2.0% - -2.1%)
RT STA 122+27.687 TO STA 125+49.830 (-2.0 - +2.1%)
LT STA 126+39.820 TO STA 128+04.820 (-2.1% - -2.0%)
RT STA 126+39.820 TO STA 129+61.963 (+2.1% - -2.0%)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT LAYOUT SAND RIDGE ROAD

SCALE: VERT. N/A
HORIZ. 1" = 400'
DATE OCT 2003

DRAWN BY RLR
CHECKED BY JCN

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CONTRACT #72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**-	MASON	20	16
STA. _____ TO STA. _____				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

EXIST. CURVE PSC10
PI STA. = 132+61.11
Δ = 4° 15′ 30″ (LT)
D = 2° 26′ 09″
R = 2,352.24′
T = 87.45′
L = 174.83′
E = 1.63′
P.C. STA. = 131+73.65
P.T. STA. = 133+48.48

PROP. CURVE PSC10
PI STA. = 132+61.05
Δ = 4° 15′ 30″ (LT)
D = 2° 26′ 09″
R = 2,352.24′
T = 87.45′
L = 174.83′
E = 1.63′
P.C. STA. = 131+73.60
P.T. STA. = 133+48.43
SE = 4.60%
SE TRANS:
LT STA 131+35.389 TO STA 132+28.650 (-2.0% - -4.6%)
RT STA 129+91.911 TO STA 132+28.650 (-2.0 - +4.6%)
LT STA 132+93.480 TO STA 133+89.020 (-4.6% - 0.0%)
RT STA 132+93.480 TO STA 133+89.020 (+4.6% - 0.0%)

EXIST. CURVE PSC11
PI STA. = 135+35.96
Δ = 6° 34′ 14″ (RT)
D = 4° 08′ 32″
R = 1,383.17′
T = 79.40′
L = 158.62′
E = 2.28′
P.C. STA. = 134+56.56
P.T. STA. = 136+15.18

PROP. CURVE PSC11
PI STA. = 135+35.91
Δ = 6° 34′ 14″ (RT)
D = 4° 08′ 32″
R = 1,383.17′
T = 79.40′
L = 158.62′
E = 2.28′
P.C. STA. = 134+56.51
P.T. STA. = 136+15.13
SE = 5.90%
SE TRANS:
LT STA 133+89.020 TO STA 135+11.560 (0.0% - +5.9%)
RT STA 133+89.020 TO STA 135+11.560 (0.0 - -5.9%)
LT STA 135+11.560 TO STA 138+27.016 (+5.9% - 0.0%)
RT STA 135+11.560 TO STA 138+27.016 (-5.9% - 0.0%)

EXIST. CURVE PSC12
PI STA. = 140+47.57
Δ = 3° 44′ 40″ (LT)
D = 1° 23′ 06″
R = 4,136.74′
T = 135.22′
L = 270.34′
E = 2.21′
P.C. STA. = 139+12.35
P.T. STA. = 141+82.69

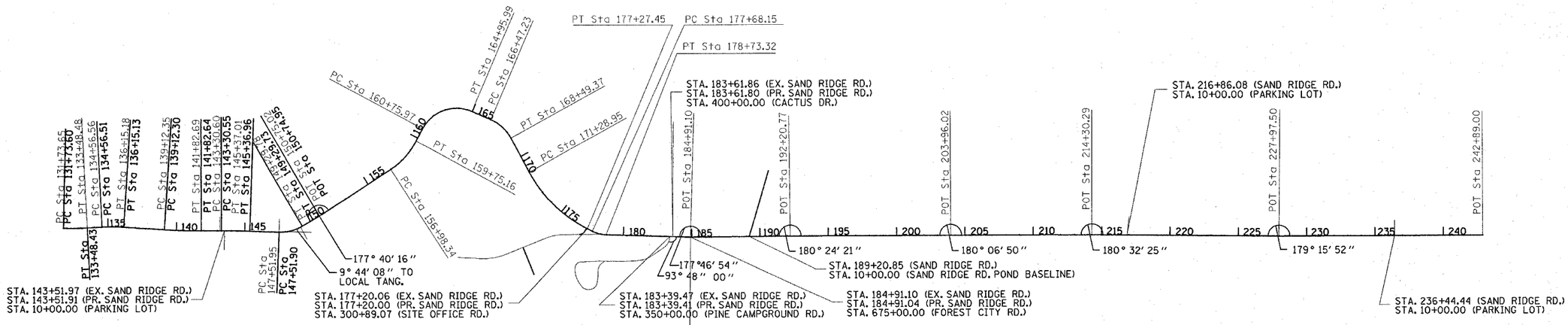
PROP. CURVE PSC12
PI STA. = 140+47.52
Δ = 3° 44′ 40″ (LT)
D = 1° 23′ 06″
R = 4,136.74′
T = 135.22′
L = 270.34′
E = 2.21′
P.C. STA. = 139+12.30
P.T. STA. = 141+82.64
SE = 3.10%
SE TRANS:
LT STA 138+27.063 TO STA 139+67.290 (0.0% - -3.1%)
RT STA 138+27.063 TO STA 139+67.290 (0.0 - +3.1%)
LT STA 141+27.630 TO STA 142+75.689 (-3.1% - 0.0%)
RT STA 141+27.630 TO STA 142+75.689 (+3.1% - 0.0%)

EXIST. CURVE PSC13
PI STA. = 144+33.82
Δ = 2° 01′ 14″ (RT)
D = 0° 58′ 44″
R = 5,853.14′
T = 103.21′
L = 206.41′
E = 0.91′
P.C. STA. = 143+30.60
P.T. STA. = 145+37.01

PROP. CURVE PSC13
PI STA. = 144+33.77
Δ = 2° 01′ 14″ (RT)
D = 0° 58′ 44″
R = 5,853.14′
T = 103.21′
L = 206.41′
E = 0.91′
P.C. STA. = 143+30.55
P.T. STA. = 145+36.96
SE = 2.30%
SE TRANS:
LT STA 142+75.689 TO STA 143+85.540 (0.0% - 2.3%)
RT STA 142+75.689 TO STA 143+85.540 (0.0 - -2.3%)
LT STA 144+90.428 TO STA 145+78.139 (+2.3% - 0.0%)
RT STA 144+90.428 TO STA 145+78.139 (-2.3% - 0.0%)

EXIST. CURVE PSC14
PI STA. = 148+43.33
Δ = 32° 29′ 36″ (LT)
D = 18° 16′ 18″
R = 313.58′
T = 91.38′
L = 177.83′
E = 13.04′
P.C. STA. = 147+51.95
P.T. STA. = 149+29.78

PROP. CURVE PSC14
PI STA. = 148+43.28
Δ = 32° 29′ 36″ (LT)
D = 18° 16′ 18″
R = 313.58′
T = 91.38′
L = 177.83′
E = 13.04′
P.C. STA. = 147+51.90
P.T. STA. = 149+29.73
SE = 6.00%
SE TRANS:
LT STA 145+78.139 TO STA 148+06.950 (0.0% - -6.0%)
RT STA 145+78.139 TO STA 148+06.950 (0.0 - +6.0%)
LT STA 148+74.780 TO STA 149+84.780 (-6.0% - -2.0%)
RT STA 148+74.780 TO STA 150+94.780 (+6.0% - -2.0%)



EXIST. CURVE PSC15
PI STA. = 158+39.80
Δ = 29° 06′ 09″ (LT)
D = 10° 30′ 47″
R = 545.00′
T = 141.47′
L = 276.83′
E = 18.06′
P.C. STA. = 156+98.34
P.T. STA. = 159+75.16

EXIST. CURVE PSC16
PI STA. = 163+35.98
Δ = 85° 23′ 22″ (RT)
D = 20° 19′ 48″
R = 281.83′
T = 260.02′
L = 420.02′
E = 101.62′
P.C. STA. = 160+75.97
P.T. STA. = 164+95.99

EXIST. CURVE PSC17
PI STA. = 167+52.13
Δ = 37° 49′ 13″ (RT)
D = 18° 42′ 36″
R = 306.23′
T = 104.91′
L = 202.14′
E = 17.47′
P.C. STA. = 166+47.23
P.T. STA. = 168+49.37

EXIST. CURVE PSC18
PI STA. = 174+37.51
Δ = 34° 21′ 50″ (LT)
D = 5° 44′ 30″
R = 997.90′
T = 308.56′
L = 598.50′
E = 46.61′
P.C. STA. = 171+28.95
P.T. STA. = 177+27.45

EXIST. CURVE PSC19
PI STA. = 178+21.61
Δ = 25° 16′ 10″ (LT)
D = 24° 01′ 41″
R = 238.45′
T = 53.45′
L = 105.17′
E = 5.92′
P.C. STA. = 177+68.15
P.T. STA. = 178+73.32

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT LAYOUT SAND RIDGE ROAD

SCALE: VERT. N/A
HORIZ. 1″ = 400′
DATE OCT 2003

DRAWN BY RLR
CHECKED BY JCN

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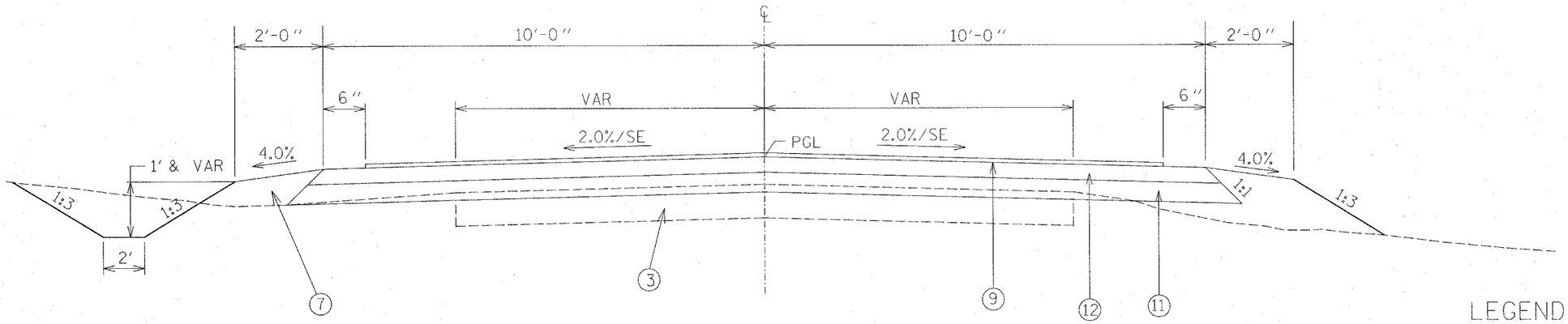
CONTRACT No. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	8	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• PARK ROADS

•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004



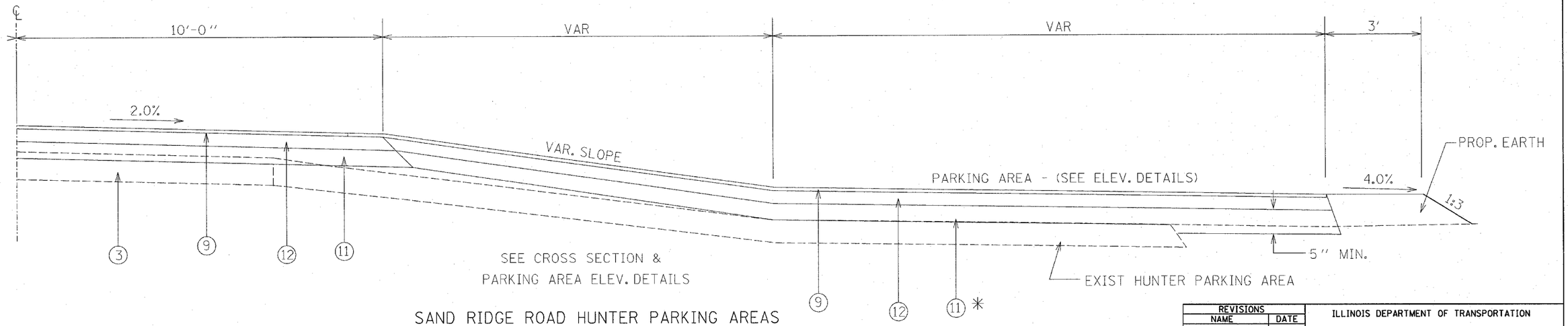
SAND RIDGE ROAD

STA. 20+12.33 TO STA. 148+50

NOTE: STA. 148+50 TO STA. 185+50.12 SHALL RECEIVE BIT. SURF. TREATMENT, A-3, ONLY
SEE PLAN SHEETS FOR DETAILS

LEGEND

(1) EXIST. AGG. BASE WITH BIT. CONCRETE SURFACE
(2) EXIST. SAND / AGG. BASE WITH OIL & CHIP SURF.
(3) EXIST. SAND BASE
(4) EXIST. AGG. BASE
(5) PROP. LEVELING BINDER, 1"
(6) PROP. BIT. CONCRETE SURF. CSE., 1½"
(7) PROP. EARTH SHOULDERS
(8) PROP. AGG. SURFACE CSE., TYPE-A, 4"
(9) PROP. BITUMINOUS SURFACE TREATMENT, A-3
(10) PROP. AGG. SHOULDERS TYPE-B
(11) PROP. SUB-BASE GRAN. MATERIAL, TYPE-B 5" (CA 02)
(12) PROP. AGG. SURFACE CSE., TYPE-A 3" (CA 06)
(13) PROP. BIT. BASE CSE., SUPERPAVE, 8"



SAND RIDGE ROAD HUNTER PARKING AREAS

NOTE : * 5" MIN. THICKNESS OUTSIDE EX PARKING AREA
VARIABLE DEPTH ON TOP OF EX PARKING AREA

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: VERT.
HORIZ.
DATE FEBRUARY, 2003

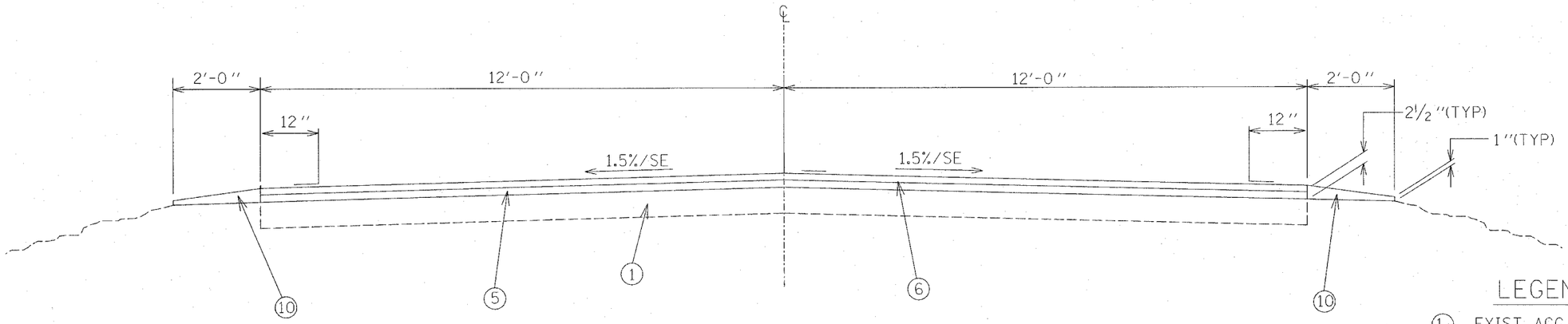
DRAWN BY CRV
CHECKED BY

D6 PROJECT: d654196 FILE: d654196/typical sections.dgn

CONTRACT No. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	86	18
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004



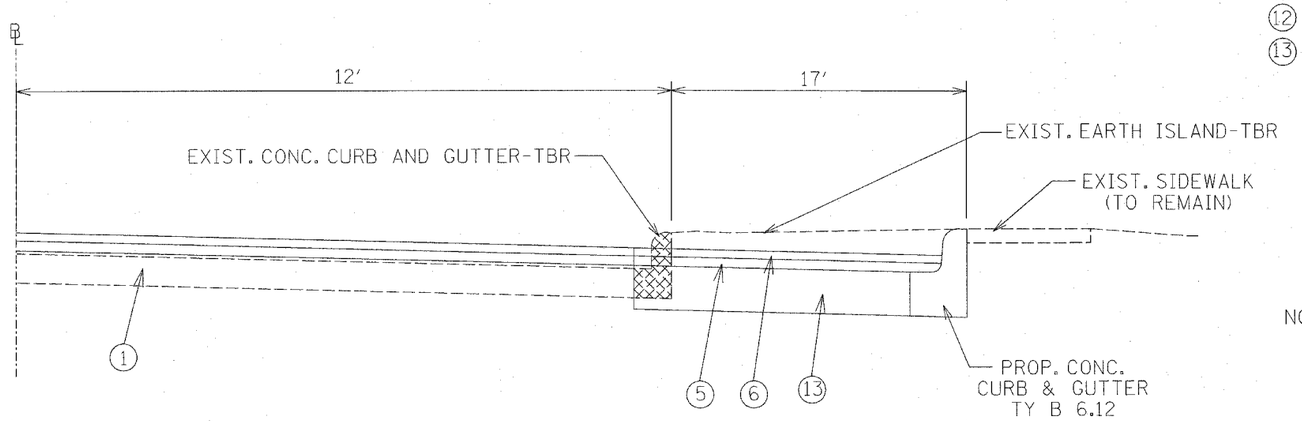
JAKE WOLF FISH HATCHERY RD.
STA. 13+25.77 TO STA. 60+02.96

NOTE: SEE PLAN SHEETS FOR FISH HATCHERY PARKING LOT DETAILS.
STA. 1+25 TO STA. 13+25.77

(MATCH EXISTING CROSS-SLOPES OR AS DIRECTED BY THE ENGINEER)
NOTE : RESURFACING SHALL INCLUDE GUTTER FLAG AREAS

LEGEND

(1) EXIST. AGG. BASE WITH BIT. CONCRETE SURFACE
(2) EXIST. SAND / AGG. BASE WITH OIL & CHIP SURF.
(3) EXIST. SAND BASE
(4) EXIST. AGG. BASE
(5) PROP. LEVELING BINDER, 1"
(6) PROP. BIT. CONCRETE SURF. CSE., 1½"
(7) PROP. EARTH SHOULDERS
(8) PROP. AGG. SURFACE CSE., TYPE-A, 4"
(9) PROP. BITUMINOUS SURFACE TREATMENT, A-3
(10) PROP. AGG. SHOULDERS TYPE-B
(11) PROP. SUB-BASE GRAN. MATERIAL, TYPE-B 5" (CA 02)
(12) PROP. AGG. SURFACE CSE., TYPE-A 3" (CA 06)
(13) PROP. BIT. BASE CSE., SUPERPAVE, 8"



NOTE : PREPARE SUBGRADE
SUITABLE TO PLACE
BITUMINOUS BASE CSE.

JAKE WOLF FISH HATCHERY PARKING LOT - ISLAND REMOVAL DETAIL
LT STA. 5+62.01 TO LT STA. 5+73.59
LT STA. 6+34.32 TO LT STA. 6+42.13

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE: VERT.
HORIZ.
DATE FEBRUARY, 2003

DRAWN BY CRV
CHECKED BY

D6 PROJECT: d654196 FILE: d654196/typicalsections.dgn

CONTRACT #72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	-*-	-**-	MASON	86	19
	STA. 1+25.08		TO STA. 16+00		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

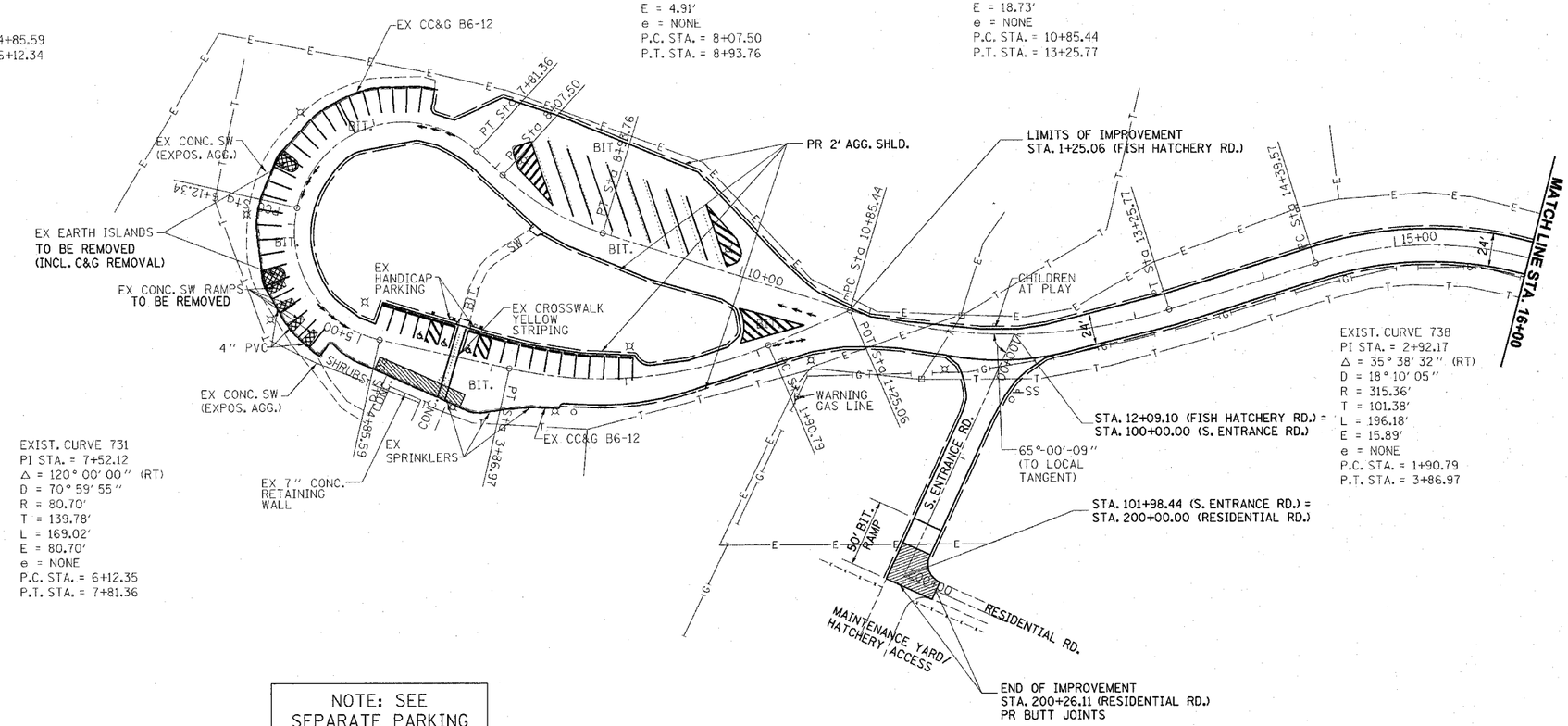
EXIST. CURVE 731
PI STA. = 7+52.12
Δ = 120° 00′ 00″ (RT)
D = 70° 59′ 55″
R = 80.70′
T = 139.78′
L = 169.02′
E = 80.70′
e = NONE
P.C. STA. = 6+12.35
P.T. STA. = 7+81.36

EXIST. CURVE 733
PI STA. = 5+66.29
Δ = 90° 00′ 00″ (RT)
D = 71° 00′ 17″
R = 80.69′
T = 80.69′
L = 126.75′
E = 33.42′
e = NONE
P.C. STA. = 4+85.59
P.T. STA. = 6+12.34

EXIST. CURVE 735
PI STA. = 8+51.36
Δ = 25° 33′ 59″ (LT)
D = 29° 38′ 20″
R = 193.31′
T = 43.86′
L = 86.26′
E = 4.91′
e = NONE
P.C. STA. = 8+07.50
P.T. STA. = 8+93.76

EXIST. CURVE 736
PI STA. = 12+09.35
Δ = 34° 23′ 04″ (LT)
D = 14° 18′ 24″
R = 400.48′
T = 123.91′
L = 240.34′
E = 18.73′
e = NONE
P.C. STA. = 10+85.44
P.T. STA. = 13+25.77

EXIST. CURVE 738
PI STA. = 2+92.17
Δ = 35° 38′ 32″ (RT)
D = 18° 10′ 05″
R = 315.36′
T = 101.38′
L = 196.18′
E = 15.89′
e = NONE
P.C. STA. = 1+90.79
P.T. STA. = 3+86.97



NOTE: SEE SEPARATE PARKING AREA DETAILS FOR MORE INFORMATION

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

JAKE WOLF MEMORIAL FISH HATCHERY ROAD AND PARKING AREA PLAN SHEETS

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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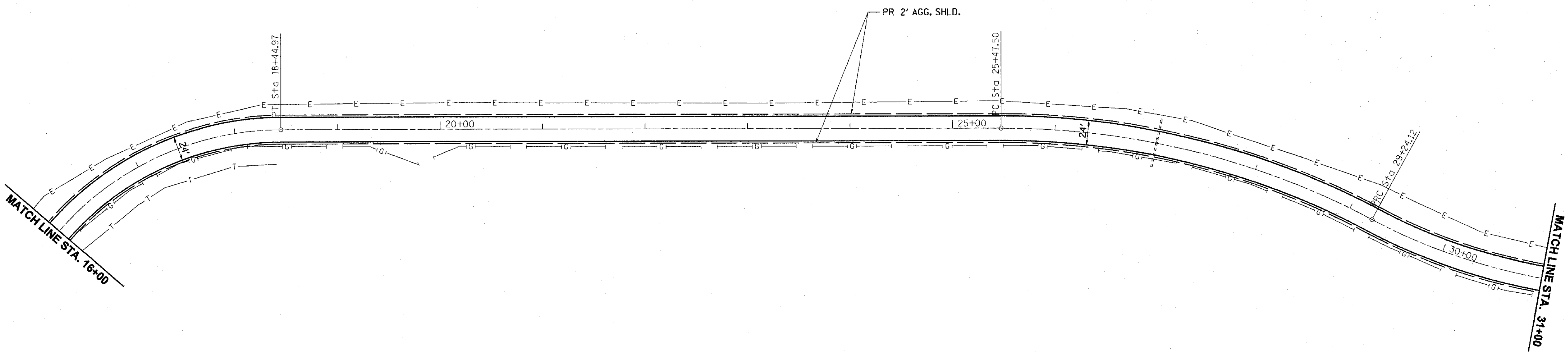
2/9/2004
•REF01

D6 PROJECT: D654196 FILE: P&PFISH_HATCH_.DGN

FISH HATCHERY RD. STA. 1+25.06 - STA. 16+00

CONTRACT *72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	20
	STA. 16+00 TO STA. 31+00				
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



EXIST. CURVE 721
PI STA. = 16+84.48
Δ = 80° 59' 24" (RT)
D = 19° 58' 40"
R = 286.80'
T = 244.90'
L = 405.40'
E = 90.34'
e = 6%
P.C. STA. = 14+39.57
P.T. STA. = 18+44.97
SE TRANS
13+90 TO 14+90
17+95 TO 18+95

EXIST. CURVE 723
PI STA. = 27+39.72
Δ = 28° 14' 50" (RT)
D = 7° 30' 01"
R = 763.93'
T = 192.22'
L = 376.62'
E = 23.81'
e = 4%
P.C. STA. = 25+47.50
P.T. STA. = 29+24.12
SE TRANS
24+81 TO 25+81
28+90 TO 29+57

EXIST. CURVE 725
PI STA. = 32+59.56
Δ = 61° 49' 15" (LT)
D = 10° 13' 37"
R = 560.25'
T = 335.44'
L = 604.49'
E = 92.74'
e = 4.8%
P.C. STA. = 29+24.12
P.T. STA. = 35+28.62
SE TRANS = 2.48%
28+90 TO 29+57
34+95 TO 35+62

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

JAKE WOLF MEMORIAL
FISH HATCHERY ROAD
PLAN SHEETS

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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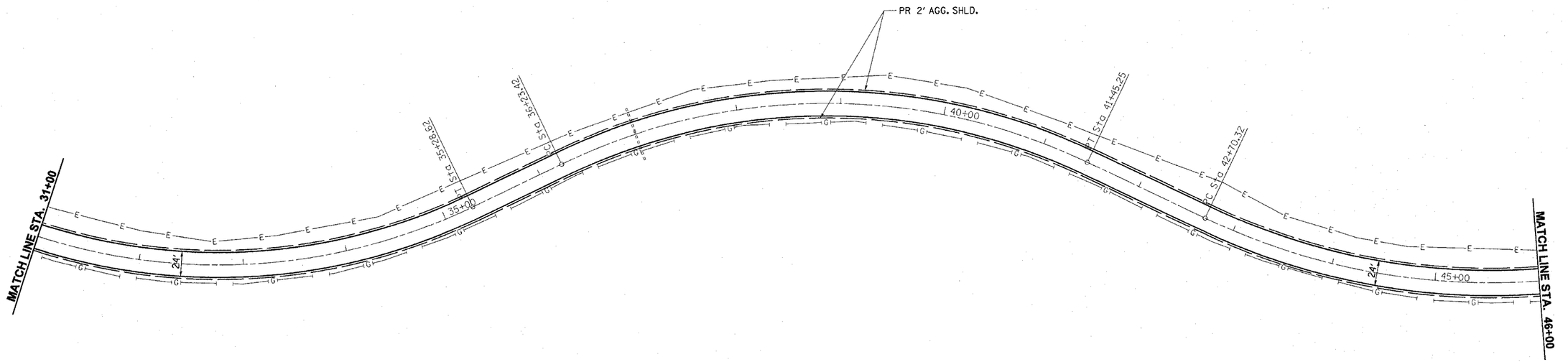
2/9/2004
*REF01

D6 PROJECT: D654196 FILE: P&PFISH_HATCH.DGN

CONTRACT #72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**-	MASON	816	21
STA. 31+00		TO STA. 46+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



EXIST. CURVE 725
PI STA. = 32+59.56
Δ = 61° 49' 15" (LT)
D = 10° 13' 37"
R = 560.25'
T = 335.44'
L = 604.49'
E = 92.74'
e = 4.8%
P.C. STA. = 29+24.12
P.T. STA. = 35+28.62
SE TRANS = 4.8%
28+90 TO 29+57
34+95 TO 35+62

EXIST. CURVE 726
PI STA. = 39+03.15
Δ = 51° 07' 45" (RT)
D = 9° 47' 53"
R = 584.77'
T = 279.73'
L = 521.83'
E = 63.46'
e = 4.5%
P.C. STA. = 36+23.42
P.T. STA. = 41+45.25
SE TRANS
35+89 TO 36+56
41+11 TO 41+79

EXIST. CURVE 727
PI STA. = 44+93.02
Δ = 38° 30' 04" (LT)
D = 8° 59' 04"
R = 637.71'
T = 222.71'
L = 428.53'
E = 37.77'
e = 4.5%
P.C. STA. = 42+70.32
P.T. STA. = 46+98.84
SE TRANS
42+13 TO 42+80
47+18 TO 47+85

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

JAKE WOLF MEMORIAL FISH HATCHERY ROAD PLAN SHEETS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

FISH HATCHERY RD. STA. 31+00 - STA. 46+00

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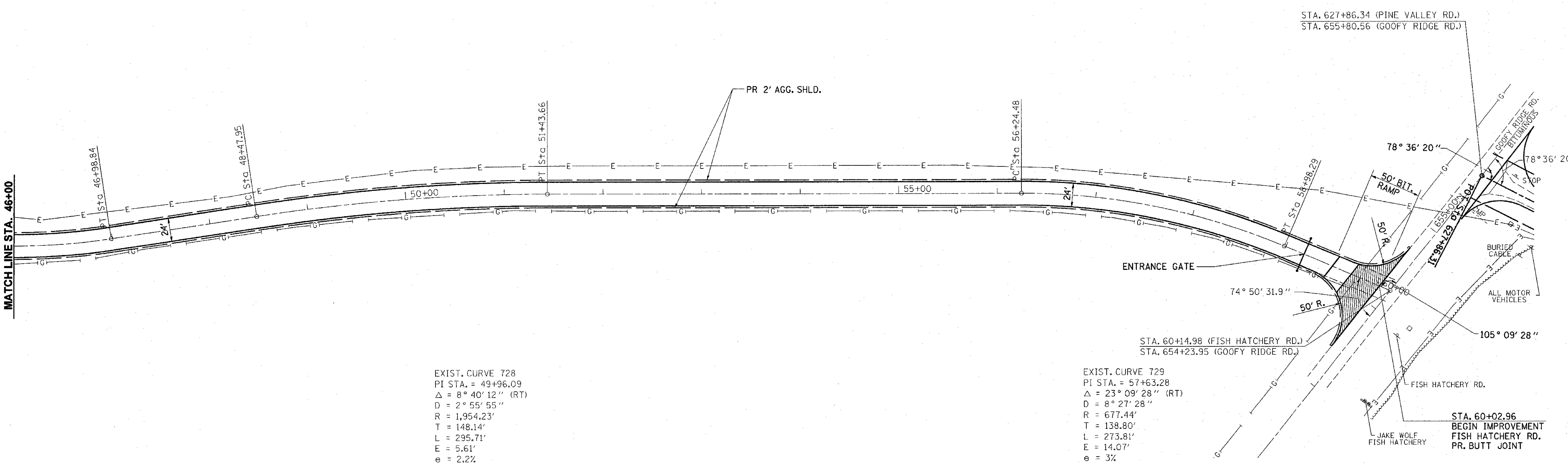
2/9/2004
*REF01

D6 PROJECT: D654196 FILE: P&PFISH_HATCH_.DGN

CONTRACT #72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	22
STA. 46+00	TO STA. 60+14.98			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



EXIST. CURVE 728
PI STA. = 49+96.09
Δ = 8° 40' 12" (RT)
D = 2° 55' 55"
R = 1,954.23'
T = 148.14'
L = 295.71'
E = 5.61'
e = 2.2%
P.C. STA. = 48+47.95
P.T. STA. = 51+43.66
SE TRANS
47+84 TO 48+51
51+59 TO 52+59

EXIST. CURVE 729
PI STA. = 57+63.28
Δ = 23° 09' 28" (RT)
D = 8° 27' 28"
R = 677.44'
T = 138.80'
L = 273.81'
E = 14.07'
e = 3%
P.C. STA. = 56+24.48
P.T. STA. = 58+98.29
SE TRANS
55+61 TO 56+61
58+72 TO 59+72

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

JAKE WOLF MEMORIAL
FISH HATCHERY ROAD
PLAN SHEETS

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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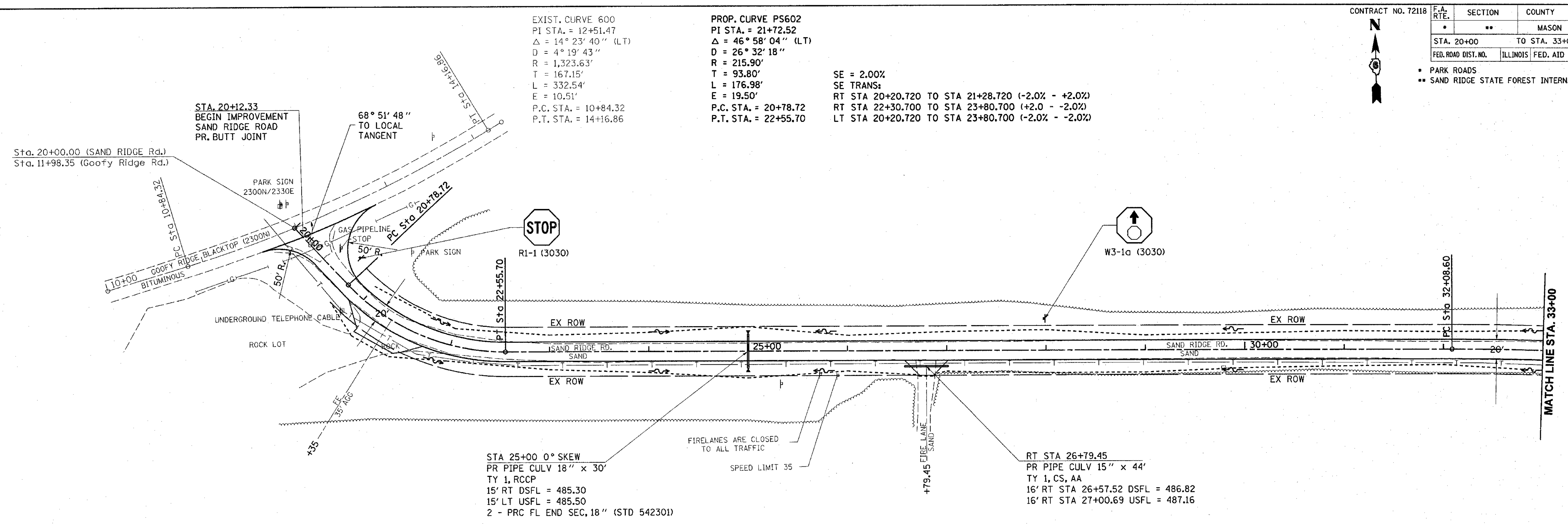
2/9/2004
*REF01

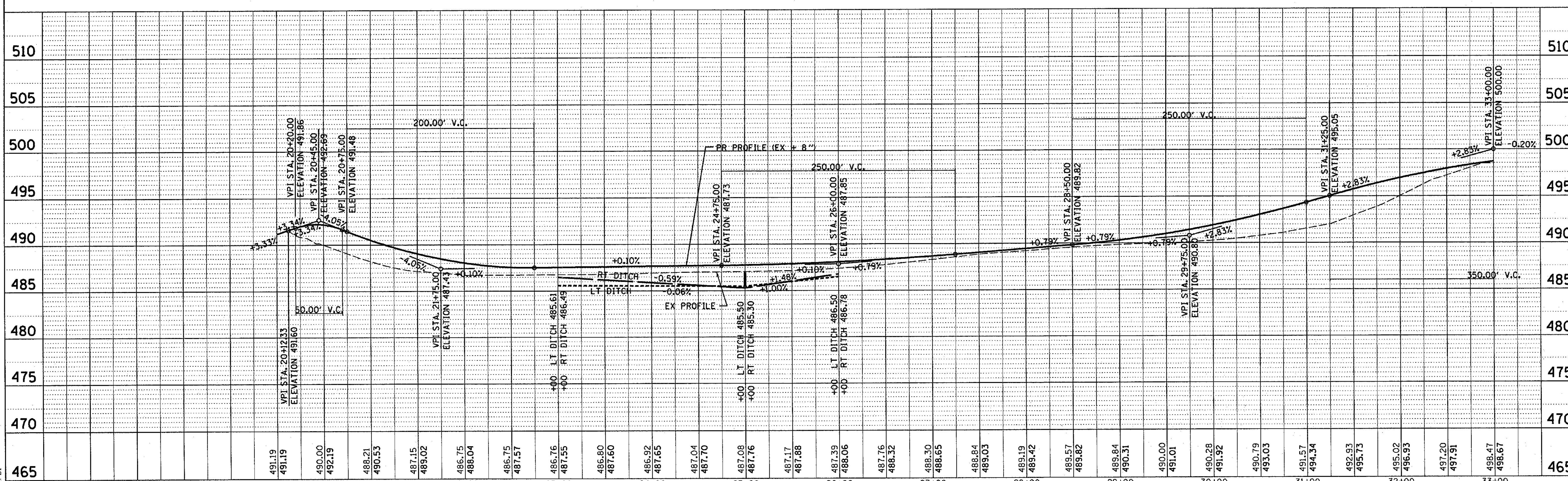
D6 PROJECT: D654196 FILE: P&PFISH_HATCH_.DGN

FISH HATCHERY RD. STA. 46+00 - STA. 60+14.98

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	23
	STA. 20+00		TO STA. 33+00		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004





D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

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2/6/2004
*REF01

SAND RIDGE RD. STA. 20+00 - STA. 33+00

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	24
STA. 33+00	TO STA. 48+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

N

- * PARK ROADS
- ** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

PROP. CURVE PS603
PI STA. = 33+52.81
Δ = 5° 57' 19" (RT)
D = 2° 04' 00"
R = 2,772.27'
T = 144.21'
L = 288.15'
E = 3.75'
P.C. STA. = 32+08.60
P.T. STA. = 34+96.75

SE = 4.10%
SE TRANS:
LT STA 30+18.112 TO STA 32+63.600 (-2.0% - +4.1%)
RT STA 31+79.088 TO STA 32+63.600 (-2.0 - -4.1%)
LT STA 34+41.750 TO STA 36+82.502 (+4.1% - -2.0%)
RT STA 34+41.750 TO STA 35+26.262 (-4.1% - -2.0%)

PROP. CURVE PS604
PI STA. = 38+80.95
Δ = 4° 51' 49" (LT)
D = 6° 01' 31"
R = 950.93'
T = 40.38'
L = 80.72'
E = 0.86'
P.C. STA. = 38+40.57
P.T. STA. = 39+21.29

SE = 6.00%
SE TRANS:
LT STA 37+85.570 TO STA 38+95.570 (-2.0% - -6.0%)
RT STA 36+82.500 TO STA 38+95.570 (-2.0 - +6.0%)
LT STA 38+66.290 TO STA 39+76.290 (-6.0% - -2.0%)
RT STA 38+66.290 TO STA 40+86.290 (+6.0% - -2.0%)

MATCH LINE STA. 33+00

PT Sta 34+96.75

PC Sta 38+40.57

PT Sta 39+21.29

+36.16

FIRELANE SAND

20'

EX ROW

35+00

SAND RIDGE RD. SAND

40+00

45+00

20'

SAND RIDGE RD. SAND

EX ROW

EX ROW

MATCH LINE STA. 48+00

LT STA 43+36.16
PR PIPE CULV 15" x 48'
TY 1, CS, AA
19.5' LT STA 43+12.35 DSFL = 494.37
19.5' LT STA 43+59.78 USFL = 494.47

RT STA 42+00
PR PIPE CULV 15" x 49'
TY 1, CS, AA
20' RT STA 41+76.325 USFL = 495.29
20' RT STA 42+24.480 DSFL = 494.88

STA 35+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT USFL = 496.50
15' LT DSFL = 496.30
2 - PRC FL END SEC, 18" (STD 542301)

STA 43+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT SFL = 494.60
15' LT SFL = 494.60
2 - PRC FL END SEC, 18"
(STD 542301)

18'

ROCK

8 PARKING BLOCKS

PR. HUNTER PARKING AREA NO. 1
50' x 80'

HUNTER PARKING AREA NO. 1

Pt. No.	Station	OffSet
1	41+91	100' RT
2	42+16	100' RT
3	42+41	100' RT
4	41+91	180' RT
5	42+16	180' RT
6	42+41	180' RT
7	41+91	25' RT
8	42+09	25' RT

515

510 505 500 495 490 485 480 475 470 465

LT DITCH 498.00
RT DITCH 498.00
VPI STA. 33+00.00
ELEVATION 500.00
+2.85%
-0.20%
-0.75%
-0.85%
RT DITCH
+0.75%
+0.10%
+0.57%
LT DITCH
350.00' V.C.
RT DITCH 497.99
LT DITCH 498.10
VPI STA. 39+50.00
ELEVATION 498.70
-0.20%
-0.34%
200.00' V.C.
RT DITCH 496.30
495.27
PR PROFILE (EX + 8")
EX PROFILE
-0.85%
-0.67%
+0.13%
+0.20%
RT DITCH
LT DITCH
250.00' V.C.
LT DITCH 495.12
VPI STA. 47+50.00
ELEVATION 496.00
-0.34%
+1.71%
RT DITCH 495.60

33+00	34+00	35+00	36+00	37+00	38+00	39+00	40+00	41+00	42+00	43+00	44+00	45+00	46+00	47+00	48+00
498.47 / 498.67	498.41 / 499.22	497.58 / 499.56	497.04 / 499.67	496.94 / 499.60	496.92 / 499.50	497.14 / 499.40	497.66 / 499.30	497.94 / 499.20	498.11 / 499.10	498.27 / 499.00	498.45 / 498.90	498.66 / 498.79	498.50 / 498.67	497.71 / 498.52	496.55 / 498.36	495.57 / 498.19	495.02 / 498.03	494.87 / 497.86	494.86 / 497.69	494.91 / 497.52	494.96 / 497.35	495.04 / 497.18	495.06 / 497.01	495.14 / 496.84	495.45 / 496.68	495.60 / 496.51	495.83 / 496.36	495.89 / 496.40	495.89 / 496.64	496.15 / 497.09

D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

SAND RIDGE RD. STA. 33+00 - STA. 48+00

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2/9/2004
*REF01

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	25
	STA. 48+00		TO STA. 63+00		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

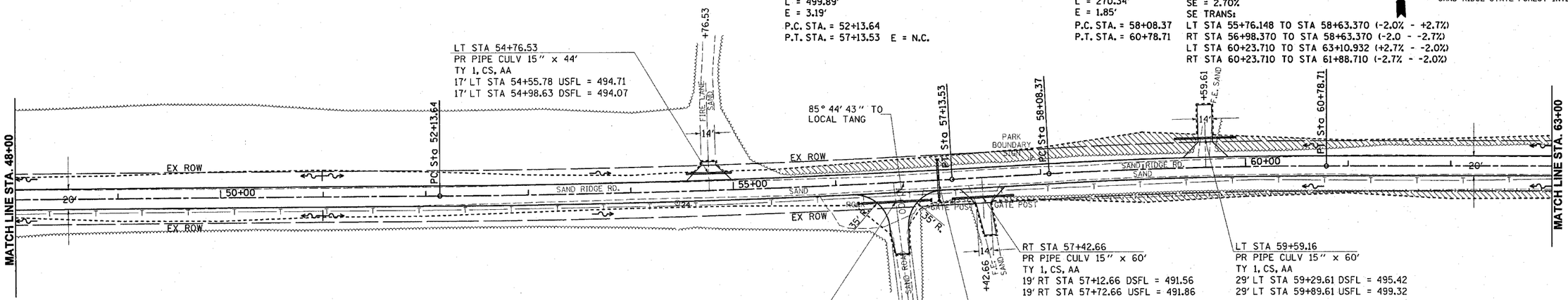
* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

N

PROP. CURVE PS605
PI STA. = 54+63.64
Δ = 2° 55' 29" (LT)
D = 0° 35' 06"
R = 9,793.38'
T = 250.00'
L = 499.89'
E = 3.19'
P.C. STA. = 52+13.64
P.T. STA. = 57+13.53 E = N.C.

PROP. CURVE PS606
PI STA. = 59+43.58
Δ = 3° 08' 37" (RT)
D = 1° 09' 46"
R = 4,927.44'
T = 135.20'
L = 270.34'
E = 1.85'
P.C. STA. = 58+08.37
P.T. STA. = 60+78.71

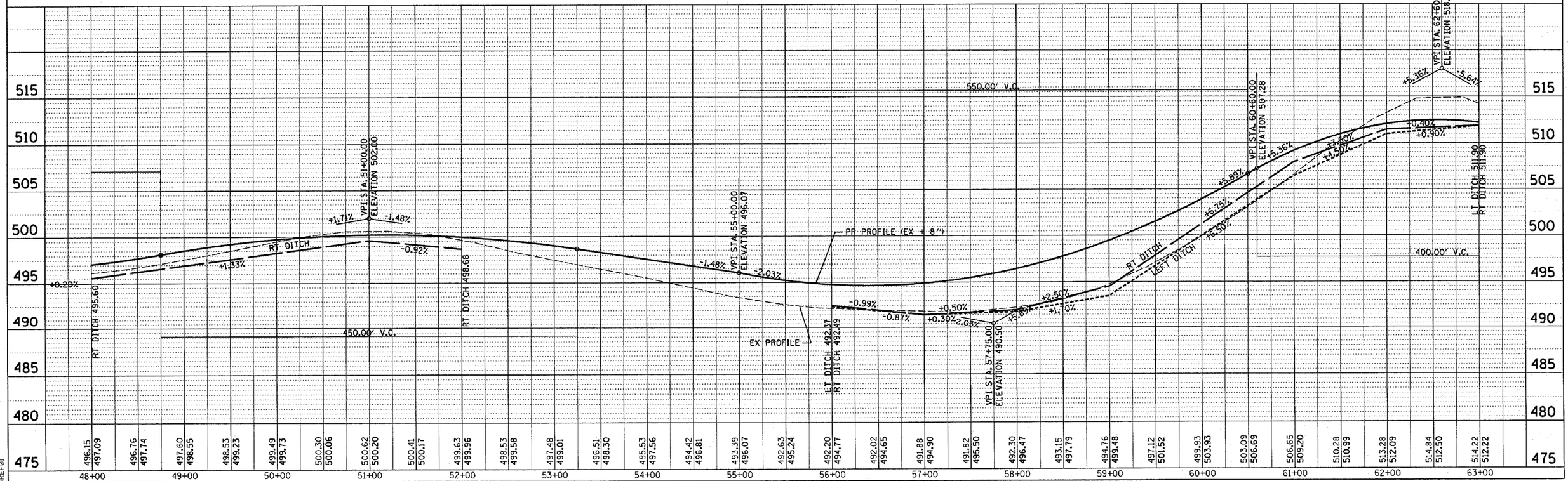
SE = 2.70%
SE TRANS:
LT STA 55+76.148 TO STA 58+63.370 (-2.0% - +2.7%)
RT STA 56+98.370 TO STA 58+63.370 (-2.0 - -2.7%)
LT STA 60+23.710 TO STA 63+10.932 (+2.7% - -2.0%)
RT STA 60+23.710 TO STA 61+88.710 (-2.7% - -2.0%)



STA. 55+35 TO STA. 63+00
PR TREE REMOVAL = 1.12 ACRES
NOTE : (1) MEASURED AREA FOR PAYMENT
3' OUTSIDE CONST. LIMITS
TO 3' OUTSIDE CONSTRUCTION LIMITS
(2) SAVE AS MANY TREES AS POSSIBLE

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BLK NOTES
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



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2/6/2004
*REF:01

D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

SAND RIDGE RD. STA. 48+00 - STA. 63+00

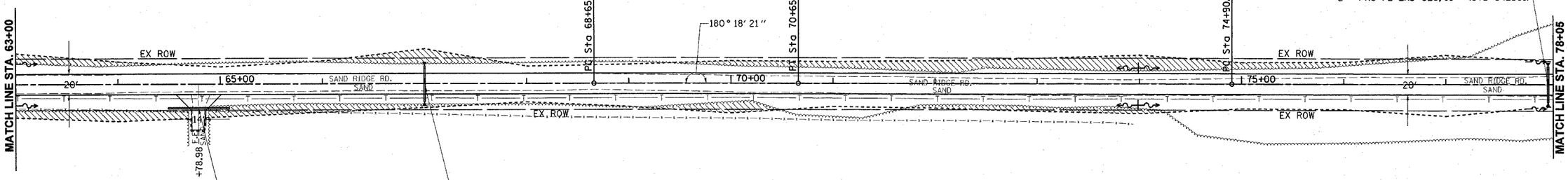
CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	•	••	MASON	86	26
STA. 63+00	TO STA. 78+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

N

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004

PROP. CURVE PS607
PI STA. = 69+65.91
Δ = 0° 18' 21" (RT)
D = 0° 09' 11"
R = 37,453.53'
T = 100.00'
L = 200.00'
E = 0.13'
P.C. STA. = 68+65.91
P.T. STA. = 70+65.91 E = N.C.

STA 78+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT SFL = 494.30
15' LT SFL = 494.30
2 - PRC FL END SEC, 18" (STD 542301)



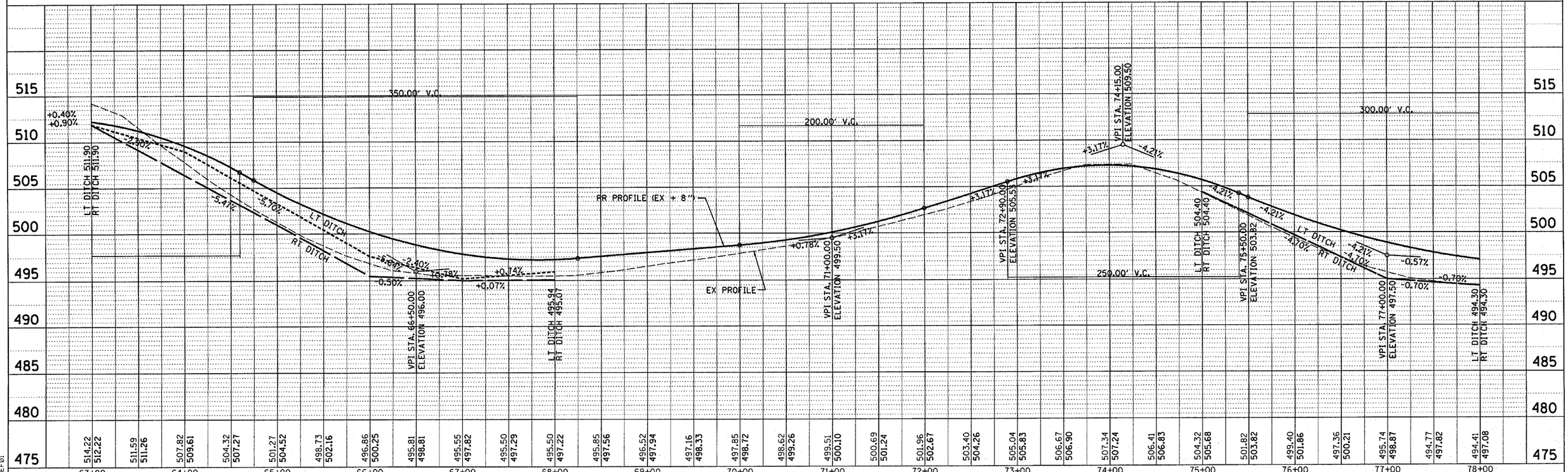
RT STA 64+78.98
PR PIPE CULV 15" x 48'
TY 1, CS, AA
23' RT STA 64+48.98 USFL = 503.76
23' RT STA 65+08.98 DSFL = 500.48

STA 67+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT DSFL = 495.00
15' LT USFL = 495.20
2 - PRC FL END SEC, 18" (STD 542301)

STA. 63+00 TO STA. 67+70
STA. 69+40 TO STA. 78+05
PR TREE REMOVAL = 1.73 ACRES
NOTE : (1) MEASURED AREA FOR PAYMENT
3' OUTSIDE CONST. LIMITS
TO 3' OUTSIDE CONSTRUCTION LIMITS
(2) SAVE AS MANY TREES AS POSSIBLE

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BMs NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

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2/6/2004
*REF01

SAND RIDGE RD. STA. 63+00 - STA. 78+00

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	27
	STA. 78+00 TO STA. 93+00				
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

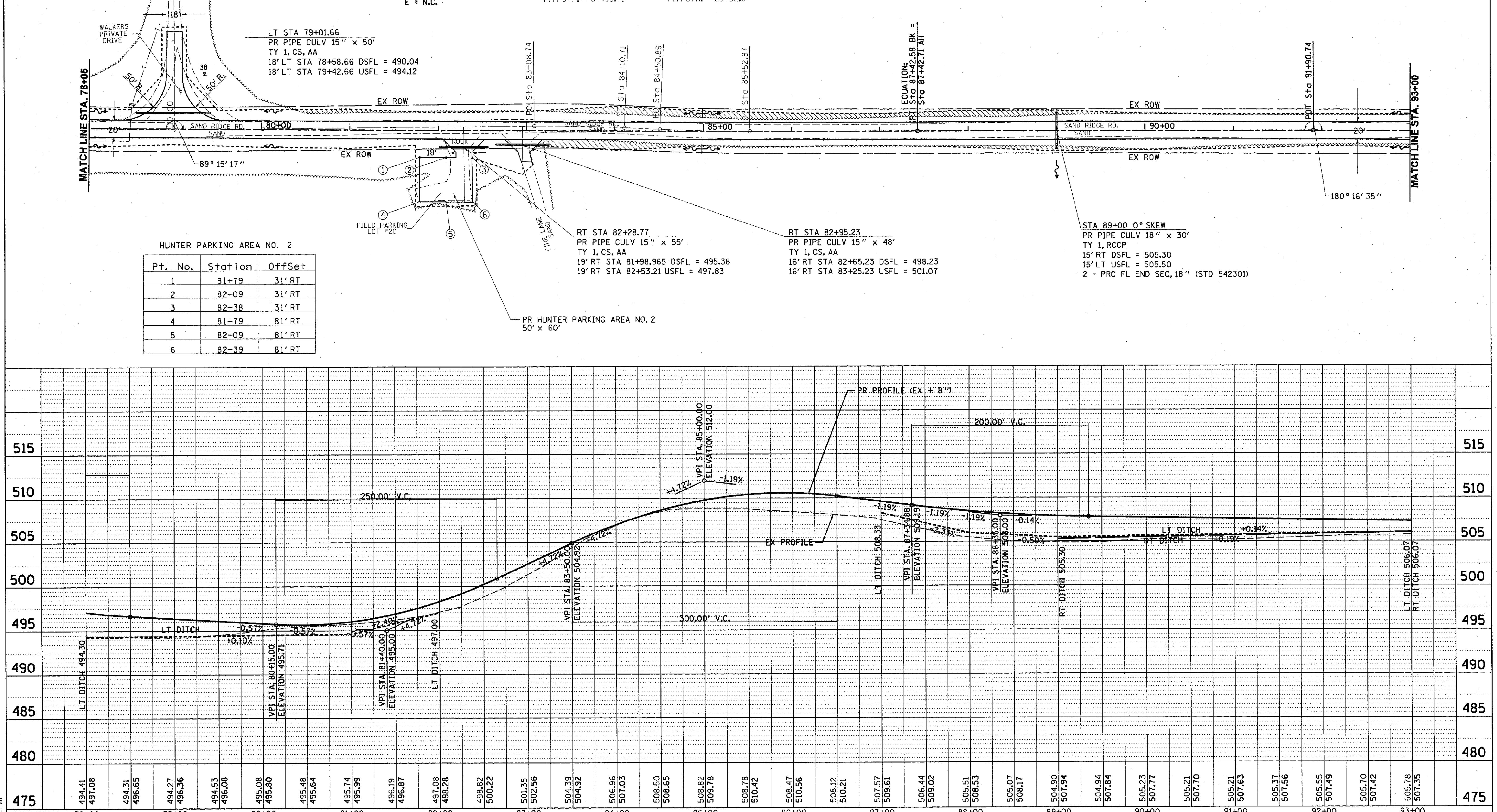
* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

PROP. CURVE PS608
PI STA. = 81+16.55
Δ = 0° 50' 44" (LT)
D = 0° 04' 03"
R = 84,852.15'
T = 626.05'
L = 1,252.09'
E = 2.31'
P.C. STA. = 74+90.50
P.T. STA. = 87+42.58
E = N.C.

EXIST. CURVE 608
PI STA. = 83+59.74
Δ = 3° 06' 05" (RT)
D = 3° 02' 29"
R = 1,883.93'
T = 51.00'
L = 101.98'
E = 0.69'
e = N.C.
P.C. STA. = 83+08.74
P.T. STA. = 84+10.71

EXIST. CURVE 609
PI STA. = 85+01.89
Δ = 2° 40' 11" (LT)
D = 2° 37' 04"
R = 2,188.70'
T = 51.00'
L = 101.98'
E = 0.59'
e = N.C.
P.C. STA. = 84+50.89
P.T. STA. = 85+52.87

STA. 80+40 TO STA. 81+80
STA. 83+20 TO STA. 90+70
PR TREE REMOVAL = 0.98 ACRES
NOTE : (1) MEASURED AREA FOR PAYMENT 3' OUTSIDE CONST. LIMITS TO 3' OUTSIDE CONSTRUCTION LIMITS
(2) SAVE AS MANY TREES AS POSSIBLE



HUNTER PARKING AREA NO. 2

Pt. No.	Station	OffSet
1	81+79	31' RT
2	82+09	31' RT
3	82+38	31' RT
4	81+79	81' RT
5	82+09	81' RT
6	82+39	81' RT

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

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

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2/9/2004
*REF01

D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

SAND RIDGE RD. STA. 78+00 - STA. 93+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	28

CONTRACT NO. 72118

STA. 93+00 TO STA. 108+00

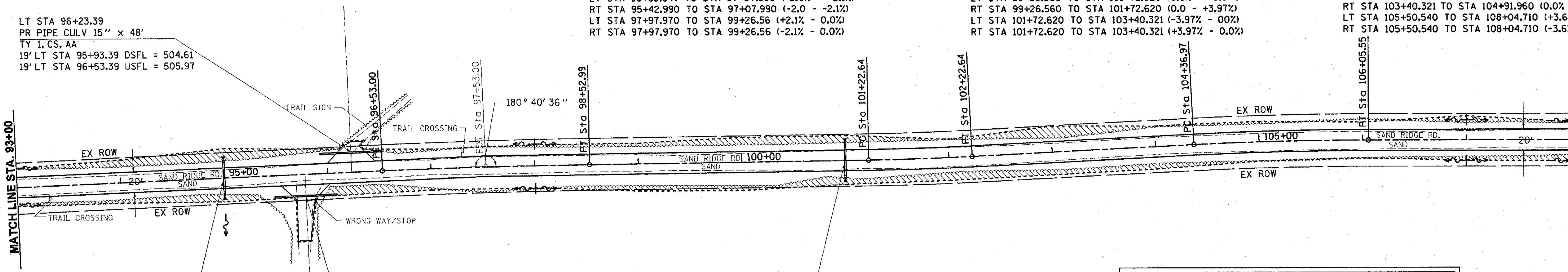
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

PROP. CURVE 261
PI STA. = 97+53.00
Δ = 1° 40' 36" (RT)
D = 0° 50' 18"
R = 6,833.78'
T = 100.00'
L = 199.99'
E = 0.73'
P.C. STA. = 96+53.00 SE = 2.10%
P.T. STA. = 98+52.99 SE TRANS:
LT STA 93+85.847 TO STA 97+07.990 (-2.0% - +2.1%)
RT STA 95+42.990 TO STA 97+07.990 (-2.0 - -2.1%)
LT STA 97+97.970 TO STA 99+26.56 (+2.1% - 0.0%)
RT STA 97+97.970 TO STA 99+26.56 (-2.1% - 0.0%)

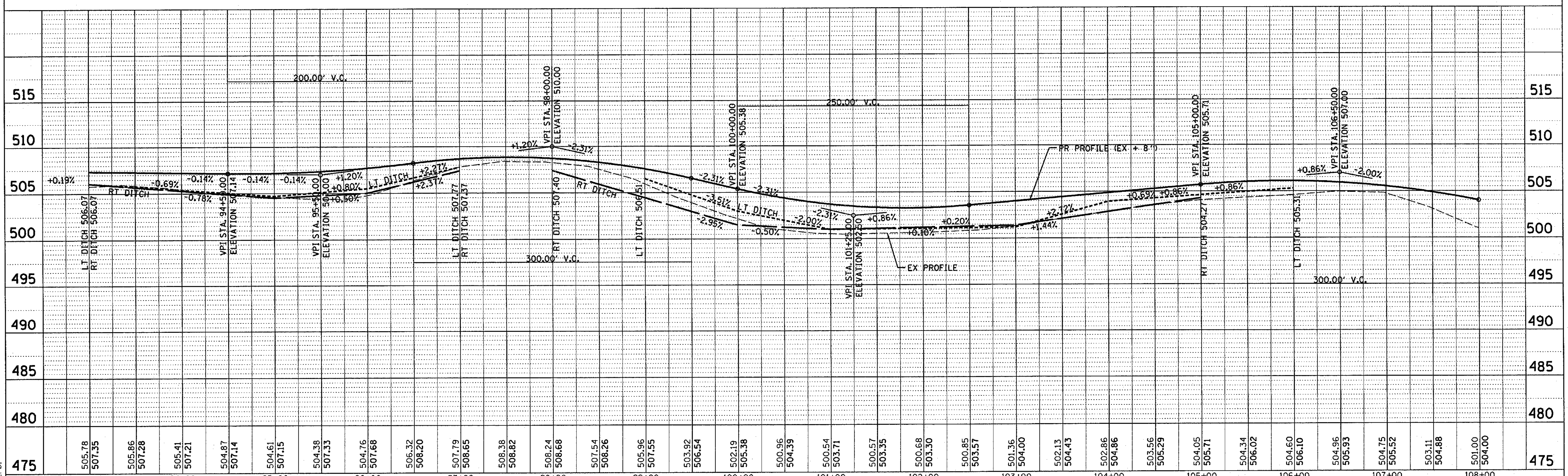
PROP. CURVE PSC8
PI STA. = 101+72.64
Δ = 2° 00' 33" (LT)
D = 2° 00' 33"
R = 2,851.67'
T = 50.01'
L = 100.00'
E = 0.44'
P.C. STA. = 101+22.64 SE = 3.97%
P.T. STA. = 102+22.64 SE TRANS:
LT STA 99+26.560 TO STA 101+72.620 (0.0% - -3.97%)
RT STA 99+26.560 TO STA 101+72.620 (0.0 - +3.97%)
LT STA 101+72.620 TO STA 103+40.321 (-3.97% - 00%)
RT STA 101+72.620 TO STA 103+40.321 (+3.97% - 0.0%)

PROP. CURVE PSC9
PI STA. = 105+21.28
Δ = 2° 46' 02" (RT)
D = 1° 38' 30"
R = 3,490.39'
T = 84.31'
L = 168.58'
E = 1.02'
P.C. STA. = 104+36.97 SE = 3.60%
P.T. STA. = 106+05.55 SE TRANS:
LT STA 103+40.321 TO STA 104+91.960 (0.0% - +3.6%)
RT STA 103+40.321 TO STA 104+91.960 (0.0% - -3.6%)
LT STA 105+50.540 TO STA 108+04.710 (+3.6% - 0.0%)
RT STA 105+50.540 TO STA 108+04.710 (-3.6% - 0.0%)



LT STA 96+23.39
PR PIPE CULV 15" x 48'
TY 1, CS, AA
19' LT STA 95+93.39 DSFL = 504.61
19' LT STA 96+53.39 USFL = 505.97
MATCH LINE STA. 93+00
EX ROW
SAND RIDGE RD. 95+00
SAND
TRAIL CROSSING
TRAIL SIGN
PC Sta 96+53.00
180° 40' 36"
PI Sta 97+53.00
PT Sta 98+52.99
WRONG WAY/STOP
SAND RIDGE RD 100+00
PC Sta 101+22.64
PI Sta 102+22.64
PC Sta 104+36.97
105+00
PT Sta 106+05.55
SAND RIDGE RD.
MATCH LINE STA. 108+00
STA 95+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT DSFL = 504.50
15' LT USFL = 504.70
2 - PRC FL END SEC, 18" (STD 542301)
RT STA 95+78.18
PR PIPE CULV 15" x 48'
TY 1, CS, AA
21' RT STA 95+48.18 DSFL = 504.43
21' RT STA 96+08.18 USFL = 504.73
STA 101+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT SFL = 501.00
15' LT SFL = 501.00
2 - PRC FL END SEC, 18" (STD 542301)

STA. 93+00 TO STA. 105+60
STA. 106+30 TO STA. 108+00
PR TREE REMOVAL = 1.64 ACRES
NOTE : (1) MEASURED AREA FOR PAYMENT 3' OUTSIDE CONST. LIMITS TO 3' OUTSIDE CONSTRUCTION LIMITS
(2) SAVE AS MANY TREES AS POSSIBLE



200.00' V.C.
250.00' V.C.
300.00' V.C.
300.00' V.C.
VPI STA. 94+50.00 ELEVATION 507.14
VPI STA. 95+50.00 ELEVATION 503.00
VPI STA. 98+00.00 ELEVATION 510.00
VPI STA. 100+00.00 ELEVATION 505.38
VPI STA. 101+25.00 ELEVATION 502.50
VPI STA. 105+00.00 ELEVATION 505.71
VPI STA. 106+50.00 ELEVATION 507.00
PR PROFILE (EX + 8")
EX PROFILE
RT DITCH
LT DITCH
515
510
505
500
495
490
485
480
475
93+00
94+00
95+00
96+00
97+00
98+00
99+00
100+00
101+00
102+00
103+00
104+00
105+00
106+00
107+00
108+00

D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

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2/6/2004

SAND RIDGE RD. STA. 93+00 - STA. 108+00

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	29
STA. 108+00	TO STA. 123+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

HUNTER PARKING AREA NO. 3

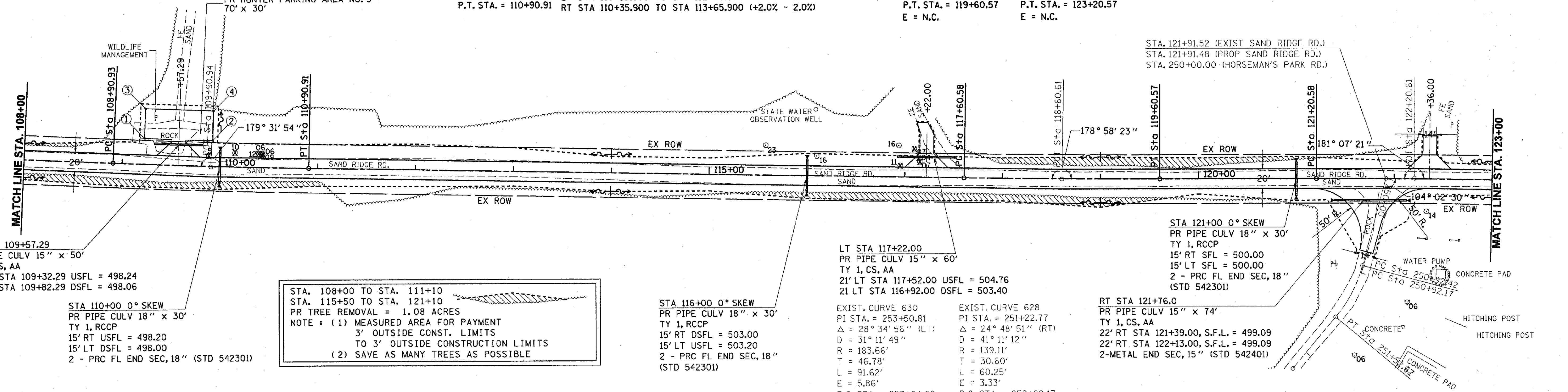
Pt. No.	Station	OffSet
1	109+22	27' LT
2	109+92	27' LT
3	109+22	57' LT
4	109+92	57' LT

PROP. CURVE 253
PI STA. = 109+90.93
Δ = 1° 32' 38" (LT)
D = 0° 46' 19"
R = 7,421.64'
T = 100.00'
L = 199.99'
E = 0.67'
P.C. STA. = 108+90.93
P.T. STA. = 110+90.91

SE = 2.00%
SE TRANS:
LT STA 108+04.710 TO STA 109+45.920 (0.0% - -2.0%)
RT STA 108+04.710 TO STA 109+45.920 (0.0 - +2.0%)
LT STA 110+35.900 TO STA 112+00.900 (-2.0% - 2.0%)
RT STA 110+35.900 TO STA 113+65.900 (+2.0% - 2.0%)

PROP. CURVE 232
PI STA. = 118+60.58
Δ = 1° 01' 37" (LT)
D = 0° 30' 49"
R = 11,156.97'
T = 100.00'
L = 199.99'
E = 0.45'
P.C. STA. = 117+60.58
P.T. STA. = 119+60.57
E = N.C.

PROP. CURVE 231
PI STA. = 122+20.58
Δ = 1° 07' 21" (RT)
D = 0° 33' 40"
R = 10,209.51'
T = 100.00'
L = 199.99'
E = 0.49'
P.C. STA. = 121+20.58
P.T. STA. = 123+20.57
E = N.C.



LT STA 109+57.29
PR PIPE CULV 15" x 50'
TY 1, CS, AA
22' LT STA 109+32.29 USFL = 498.24
22 LT STA 109+82.29 DSFL = 498.06

STA 110+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT USFL = 498.20
15' LT DSFL = 498.00
2 - PRC FL END SEC, 18" (STD 542301)

STA. 108+00 TO STA. 111+10
STA. 115+50 TO STA. 121+10
PR TREE REMOVAL = 1.08 ACRES
NOTE : (1) MEASURED AREA FOR PAYMENT 3' OUTSIDE CONST. LIMITS TO 3' OUTSIDE CONSTRUCTION LIMITS
(2) SAVE AS MANY TREES AS POSSIBLE

STA 116+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT DSFL = 503.00
15' LT USFL = 503.20
2 - PRC FL END SEC, 18"
(STD 542301)

LT STA 117+22.00
PR PIPE CULV 15" x 60'
TY 1, CS, AA
21' LT STA 117+52.00 USFL = 504.76
21 LT STA 116+92.00 DSFL = 503.40

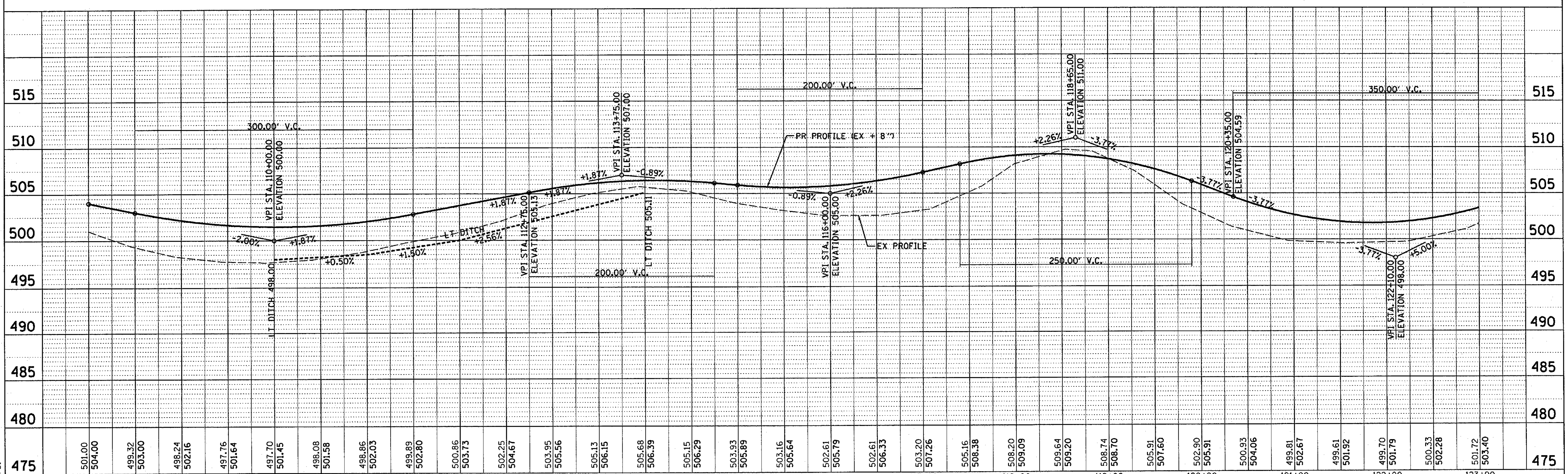
EXIST. CURVE 630
PI STA. = 253+50.81
Δ = 28° 34' 56" (LT)
D = 31° 11' 49"
R = 183.66'
T = 46.78'
L = 91.62'
E = 5.86'
P.C. STA. = 253+04.02
P.T. STA. = 253+95.64

EXIST. CURVE 628
PI STA. = 251+22.77
Δ = 24° 48' 51" (RT)
D = 41° 11' 12"
R = 139.11'
T = 30.60'
L = 60.25'
E = 3.33'
P.C. STA. = 250+92.17
P.T. STA. = 251+52.42

STA 121+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT SFL = 500.00
15' LT SFL = 500.00
2 - PRC FL END SEC, 18"
(STD 542301)

RT STA 121+76.0
PR PIPE CULV 15" x 74'
TY 1, CS, AA
22' RT STA 121+39.00, S.F.L. = 499.09
22' RT STA 122+13.00, S.F.L. = 499.09
2-METAL END SEC, 15" (STD 542401)

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



PROFILE — NOTE BOOK NO. — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTAT'NS CH'KD — BY — DATE

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2/9/2004
*REF01

D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

SAND RIDGE RD. STA. 108+00 - STA. 123+00

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	80	30
STA. 123+00	TO STA. 138+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004

PROP. CURVE 229
PI STA. = 125+94.85
Δ = 1° 38′ 47″ (LT)
D = 0° 49′ 24″
R = 6,959.17′
T = 100.00′
L = 199.99′
E = 0.72′
P.C. STA. = 124+94.85
P.T. STA. = 126+94.83

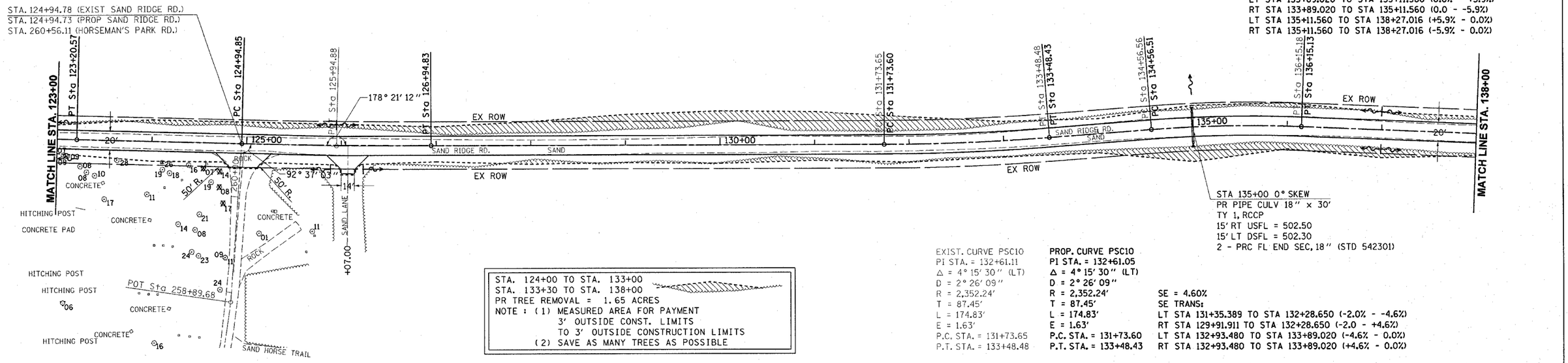
SE = 2.10%
SE TRANS:
LT STA 123+84.830 TO STA 125+49.830 (-2.0% - -2.1%)
RT STA 122+27.687 TO STA 125+49.830 (-2.0 - +2.1%)
LT STA 126+39.820 TO STA 128+04.820 (-2.1% - -2.0%)
RT STA 126+39.820 TO STA 129+61.963 (+2.1% - -2.0%)

EXIST. CURVE PSC11
PI STA. = 135+35.96
Δ = 6° 34′ 14″ (RT)
D = 4° 08′ 32″
R = 1,383.17′
T = 79.40′
L = 158.62′
E = 2.28′
P.C. STA. = 134+56.56
P.T. STA. = 136+15.18

PROP. CURVE PSC11
PI STA. = 135+35.91
Δ = 6° 34′ 14″ (RT)
D = 4° 08′ 32″
R = 1,383.17′
T = 79.40′
L = 158.62′
E = 2.28′
P.C. STA. = 134+56.51
P.T. STA. = 136+15.13

SE = 5.90%
SE TRANS:
LT STA 133+89.020 TO STA 135+11.560 (0.0% - +5.9%)
RT STA 133+89.020 TO STA 135+11.560 (0.0 - -5.9%)
LT STA 135+11.560 TO STA 138+27.016 (+5.9% - 0.0%)
RT STA 135+11.560 TO STA 138+27.016 (-5.9% - 0.0%)

STA. 124+94.78 (EXIST SAND RIDGE RD.)
STA. 124+94.73 (PROP SAND RIDGE RD.)
STA. 260+56.11 (HORSEMAN'S PARK RD.)



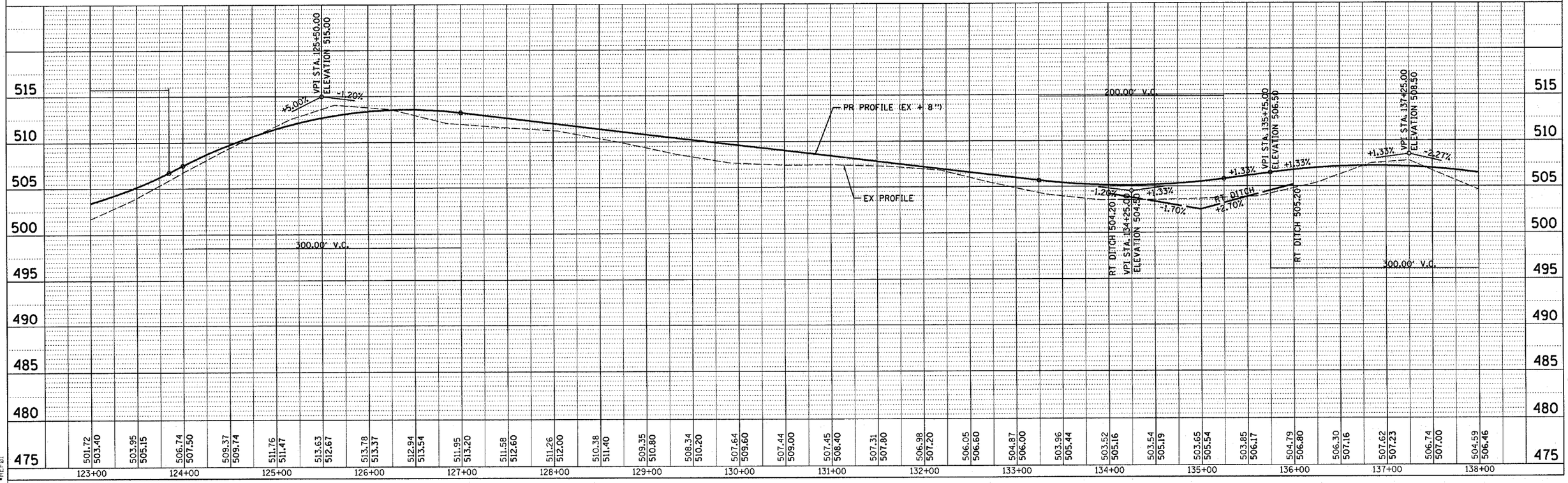
STA 135+00 0° SKEW
PR PIPE CULV 18″ x 30′
TY 1, RCCP
15′ RT USFL = 502.50
15′ LT DSFL = 502.30
2 - PRC FL END SEC, 18″ (STD 542301)

STA. 124+00 TO STA. 133+00
STA. 133+30 TO STA. 138+00
PR TREE REMOVAL = 1.65 ACRES
NOTE : (1) MEASURED AREA FOR PAYMENT
3′ OUTSIDE CONST. LIMITS
TO 3′ OUTSIDE CONSTRUCTION LIMITS
(2) SAVE AS MANY TREES AS POSSIBLE

EXIST. CURVE PSC10
PI STA. = 132+61.11
Δ = 4° 15′ 30″ (LT)
D = 2° 26′ 09″
R = 2,352.24′
T = 87.45′
L = 174.83′
E = 1.63′
P.C. STA. = 131+73.65
P.T. STA. = 133+48.48

PROP. CURVE PSC10
PI STA. = 132+61.05
Δ = 4° 15′ 30″ (LT)
D = 2° 26′ 09″
R = 2,352.24′
T = 87.45′
L = 174.83′
E = 1.63′
P.C. STA. = 131+73.60
P.T. STA. = 133+48.43

SE = 4.60%
SE TRANS:
LT STA 131+35.389 TO STA 132+28.650 (-2.0% - -4.6%)
RT STA 129+91.911 TO STA 132+28.650 (-2.0 - +4.6%)
LT STA 132+93.480 TO STA 133+89.020 (-4.6% - 0.0%)
RT STA 132+93.480 TO STA 133+89.020 (+4.6% - 0.0%)



D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

SAND RIDGE RD. STA. 123+00 - STA. 138+00

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2/6/2004
•REF01

PLAN: SURVEYED, PLOTTED, GRADES CHECKED, R/W STAKED, STRUCTURE NOTATNS CHKD, ADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, R/W STAKED, STRUCTURE NOTATNS CHKD, ADD FILE NAME — NOTE BOOK NO. — BY — DATE

EXIST. CURVE PSC12
PI STA. = 140+47.57
Δ = 3° 44' 40" (LT)
D = 1° 23' 06"
R = 4,136.74'
T = 135.22'
L = 270.34'
E = 2.21'
P.C. STA. = 139+12.35
P.T. STA. = 141+82.69

PROP. CURVE PSC12
PI STA. = 140+47.52
Δ = 3° 44' 40" (LT)
D = 1° 23' 06"
R = 4,136.74'
T = 135.22'
L = 270.34'
E = 2.21'
P.C. STA. = 139+12.30
P.T. STA. = 141+82.64

SE = 3.10%
SE TRANS:
LT STA 138+27.063 TO STA 139+67.290 (0.0% - -3.1%)
RT STA 138+27.063 TO STA 139+67.290 (0.0 - +3.1%)
LT STA 141+27.630 TO STA 142+75.689 (-3.1% - 0.0%)
RT STA 141+27.630 TO STA 142+75.689 (+3.1% - 0.0%)

EXIST. CURVE PSC13
PI STA. = 144+33.82
Δ = 2° 01' 14" (RT)
D = 0° 58' 44"
R = 5,853.14'
T = 103.21'
L = 206.41'
E = 0.91'
P.C. STA. = 143+30.60
P.T. STA. = 145+37.01

PROP. CURVE PSC13
PI STA. = 144+33.77
Δ = 2° 01' 14" (RT)
D = 0° 58' 44"
R = 5,853.14'
T = 103.21'
L = 206.41'
E = 0.91'
P.C. STA. = 143+30.55
P.T. STA. = 145+36.96

SE = 2.30%
SE TRANS:
LT STA 142+75.689 TO STA 143+85.540 (0.0% - 2.3%)
RT STA 142+75.689 TO STA 143+85.540 (0.0 - -2.3%)
LT STA 144+90.428 TO STA 145+78.139 (+2.3% - 0.0%)
RT STA 144+90.428 TO STA 145+78.139 (-2.3% - 0.0%)

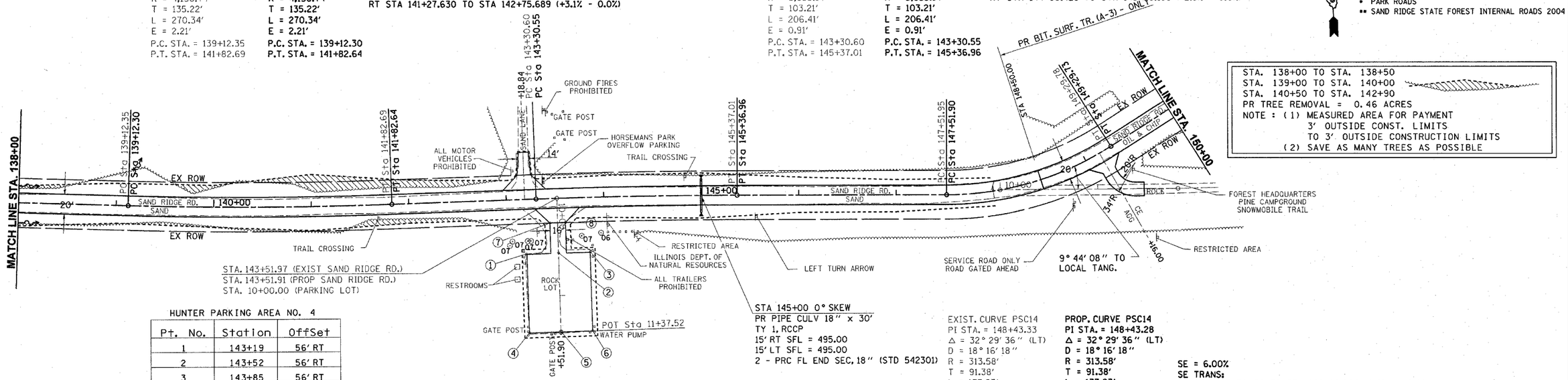
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	31
STA. 138+00		TO STA. 150+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

N

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

STA. 138+00 TO STA. 138+50
STA. 139+00 TO STA. 140+00
STA. 140+50 TO STA. 142+90
PR TREE REMOVAL = 0.46 ACRES
NOTE : (1) MEASURED AREA FOR PAYMENT
3' OUTSIDE CONST. LIMITS
TO 3' OUTSIDE CONSTRUCTION LIMITS
(2) SAVE AS MANY TREES AS POSSIBLE



HUNTER PARKING AREA NO. 4

Pt. No.	Station	OffSet
1	143+19	56' RT
2	143+52	56' RT
3	143+85	56' RT
4	143+19	137' RT
5	143+52	137' RT
6	143+85	137' RT
7	143+44	25' RT
8	143+60	25' RT

STA 145+00 0° SKEW
PR PIPE CULV 18" x 30'
TY 1, RCCP
15' RT SFL = 495.00
15' LT SFL = 495.00
2 - PRC FL END SEC, 18" (STD 542301)

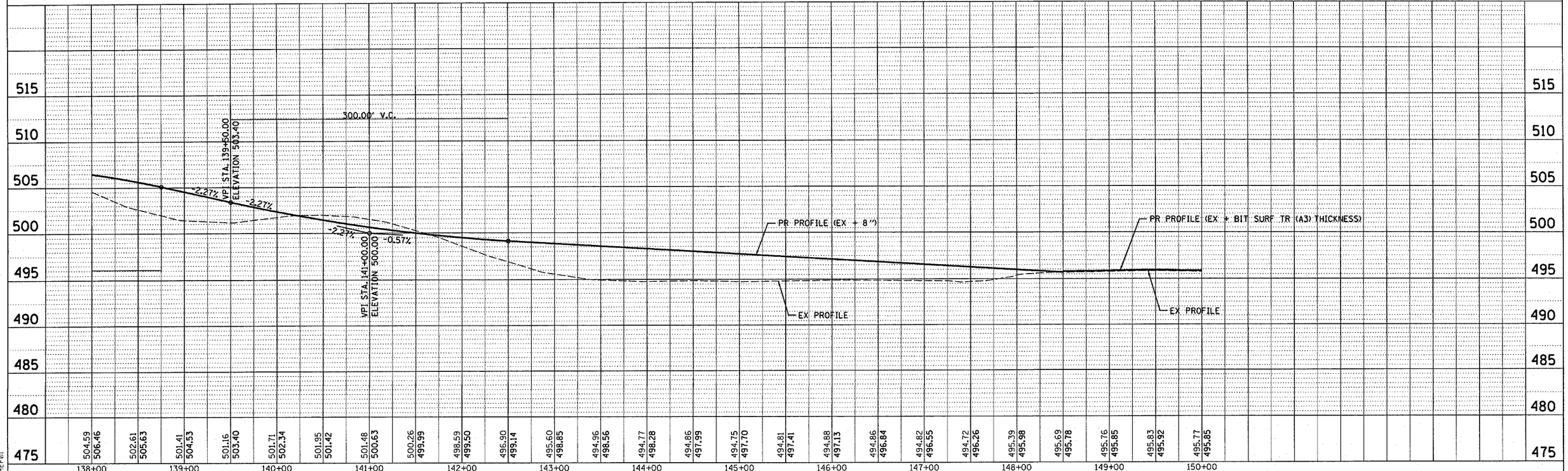
EXIST. CURVE PSC14
PI STA. = 148+43.33
Δ = 32° 29' 36" (LT)
D = 18° 16' 18"
R = 313.58'
T = 91.38'
L = 177.83'
E = 13.04'
P.C. STA. = 147+51.95
P.T. STA. = 149+29.78

PROP. CURVE PSC14
PI STA. = 148+43.28
Δ = 32° 29' 36" (LT)
D = 18° 16' 18"
R = 313.58'
T = 91.38'
L = 177.83'
E = 13.04'
P.C. STA. = 147+51.90
P.T. STA. = 149+29.73

SE = 6.00%
SE TRANS:
LT STA 145+78.139 TO STA 148+06.950 (0.0% - -6.0%)
RT STA 145+78.139 TO STA 148+06.950 (0.0 - +6.0%)
LT STA 148+74.780 TO STA 149+84.780 (-6.0% - -2.0%)
RT STA 148+74.780 TO STA 150+94.780 (+6.0% - -2.0%)

PLAN
SURVEYED
ALIGNMENT CHECKED
RT.-OF-WAY CHECKED
D&D FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
R&M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



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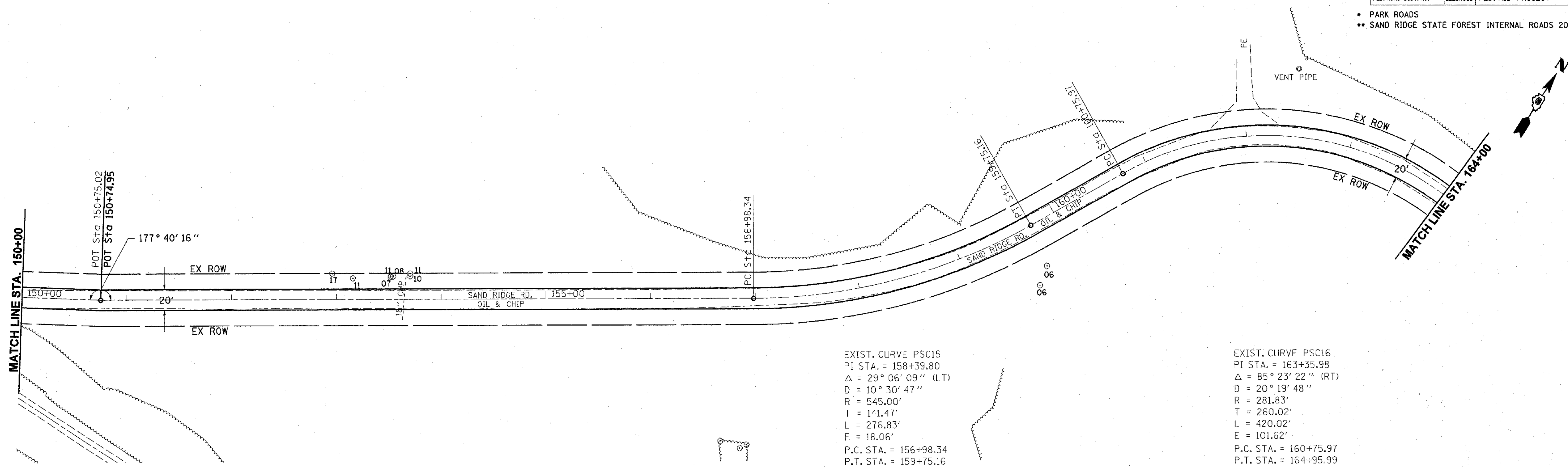
2/6/2004
*REF01

DG PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

SAND RIDGE RD. STA. 138+00 - STA. 150+00

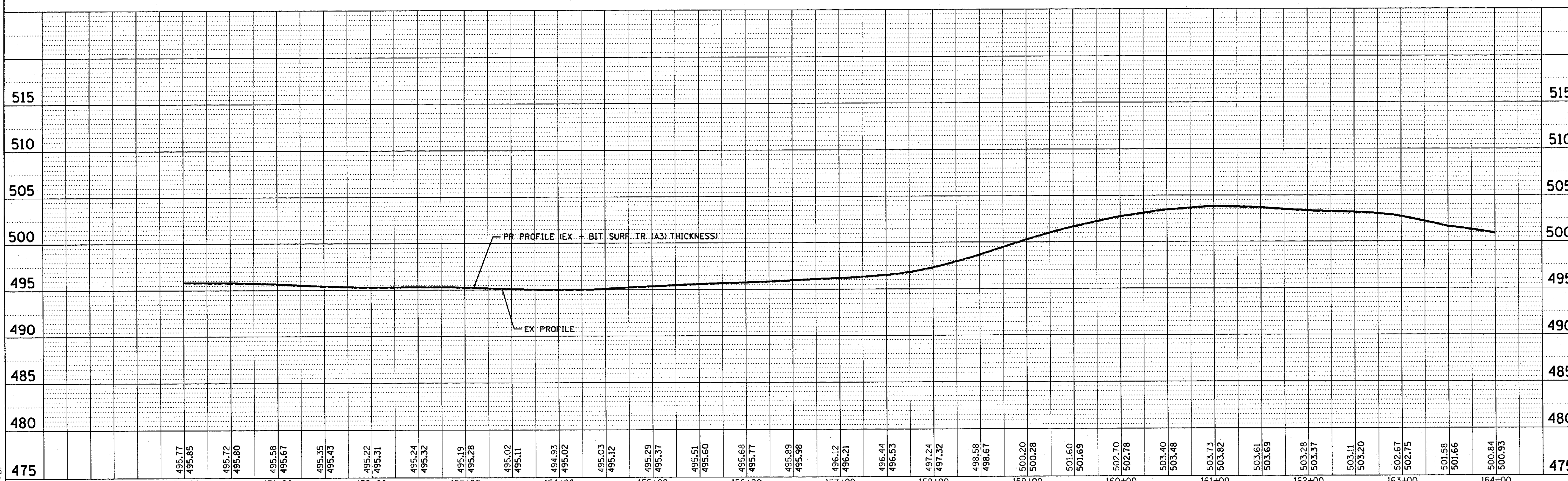
CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	32
	STA. 150+00	TO STA. 164+00			
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



EXIST. CURVE PSC15
PI STA. = 158+39.80
Δ = 29° 06′ 09″ (LT)
D = 10° 30′ 47″
R = 545.00′
T = 141.47′
L = 276.83′
E = 18.06′
P.C. STA. = 156+98.34
P.T. STA. = 159+75.16

EXIST. CURVE PSC16
PI STA. = 163+35.98
Δ = 85° 23′ 22″ (RT)
D = 20° 19′ 48″
R = 281.83′
T = 260.02′
L = 420.02′
E = 101.62′
P.C. STA. = 160+75.97
P.T. STA. = 164+95.99



PLAN — NOTE BOOK, NO., SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.T. OF WAY CHECKED, CADD FILE NAME, BY, DATE

PROFILE — NOTE BOOK, NO., SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHK'D, BY, DATE

c:\projects\d654196\p&psandridge.dgn
2/6/2004
•REF01

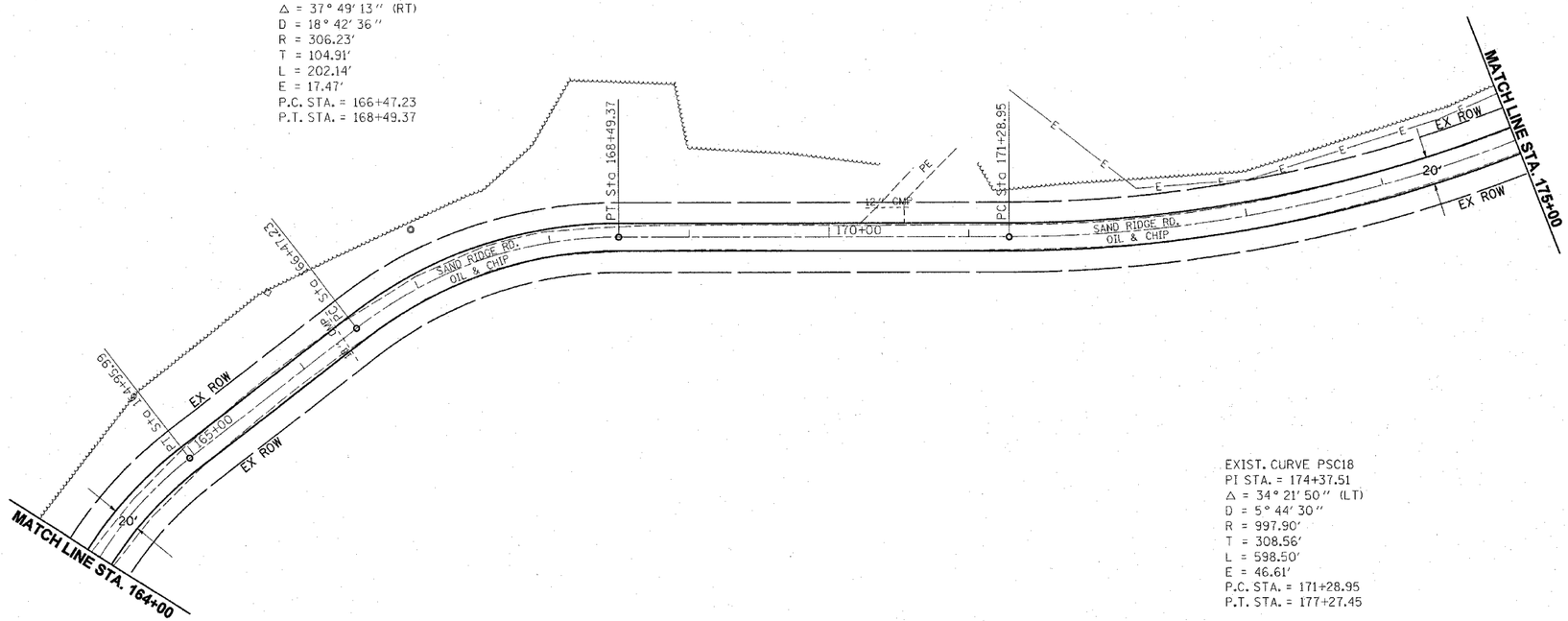
D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	86	33
STA. 164+00		TO STA. 175+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004

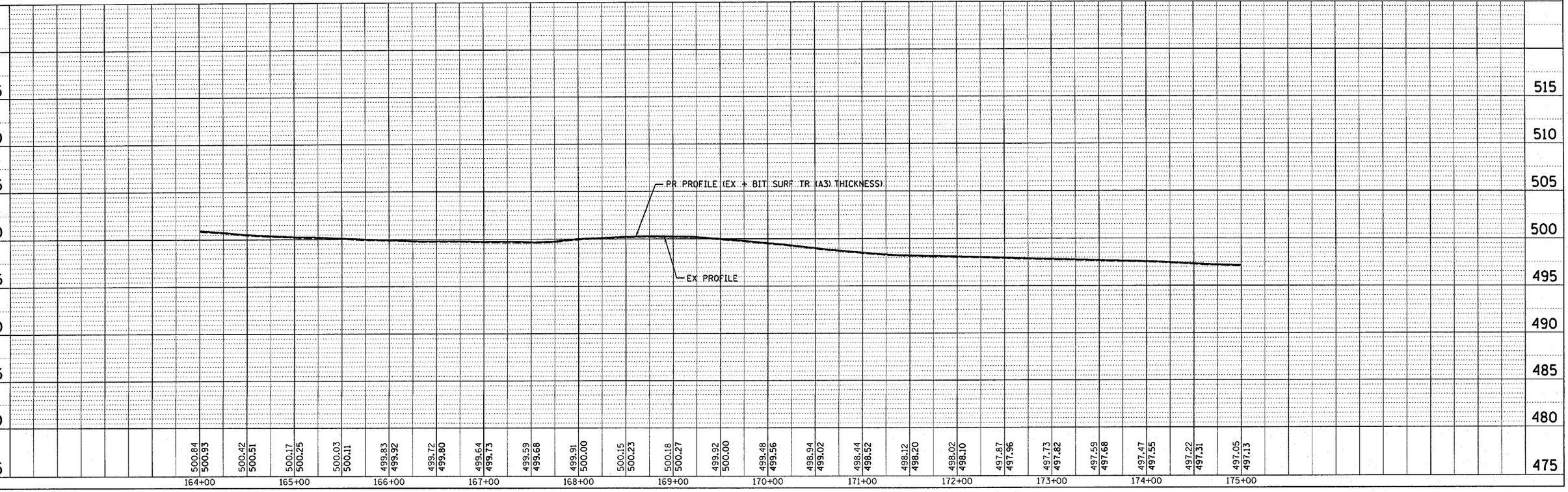
EXIST. CURVE PSC17
PI STA. = 167+52.13
Δ = 37° 49' 13" (RT)
D = 18° 42' 36"
R = 306.23'
T = 104.91'
L = 202.14'
E = 17.47'
P.C. STA. = 166+47.23
P.T. STA. = 168+49.37



EXIST. CURVE PSC18
PI STA. = 174+37.51
Δ = 34° 21' 50" (LT)
D = 5° 44' 30"
R = 997.90'
T = 308.56'
L = 598.50'
E = 46.61'
P.C. STA. = 171+28.95
P.T. STA. = 177+27.45

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BAL NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



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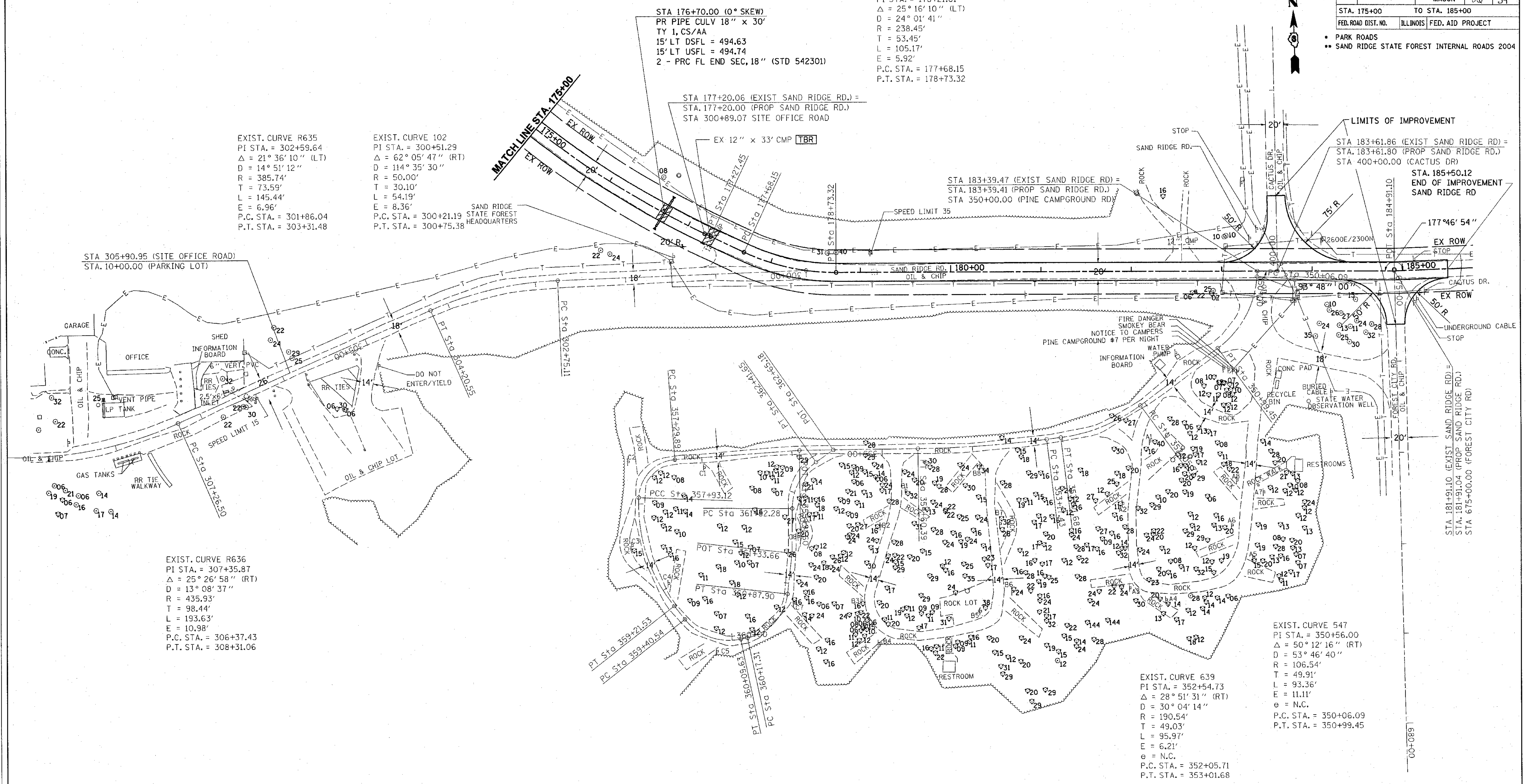
2/6/2004
•REF01

D6 PROJECT: D654196 FILE: P&PSANDRIDGE .DGN

SAND RIDGE RD. STA. 164+00 - STA. 175+00

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	•	••	MASON	86	34
	STA. 175+00	TO STA. 185+00			
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- • PARK ROADS
- •• SAND RIDGE STATE FOREST INTERNAL ROADS 2004



MATCH LINE STA. 175+00
STA 176+70.00 (0° SKEW)
PR PIPE CULV 18" x 30'
TY 1, CS/AA
15' LT DSFL = 494.63
15' LT USFL = 494.74
2 - PRC FL END SEC, 18" (STD 542301)
STA 177+20.06 (EXIST SAND RIDGE RD.) =
STA. 177+20.00 (PROP SAND RIDGE RD.)
STA 300+89.07 SITE OFFICE ROAD
EX 12" x 33' CMP TBR
STA 183+39.47 (EXIST SAND RIDGE RD) =
STA. 183+39.41 (PROP SAND RIDGE RD.)
STA 350+00.00 (PINE CAMPGROUND RD)
SPEED LIMIT 35
LIMITS OF IMPROVEMENT
STA 183+61.86 (EXIST SAND RIDGE RD) =
STA. 183+61.80 (PROP SAND RIDGE RD.)
STA 400+00.00 (CACTUS DR)
STA. 185+50.12
END OF IMPROVEMENT
SAND RIDGE RD
STA 305+90.95 (SITE OFFICE ROAD)
STA. 10+00.00 (PARKING LOT)
SAND RIDGE STATE FOREST HEADQUARTERS
SAND RIDGE RD. OIL & CHIP
STA 181+91.10 (EXIST SAND RIDGE RD) =
STA. 181+91.04 (PROP SAND RIDGE RD.)
STA 675+00.00 (FOREST CITY RD)
GARAGE
OFFICE
SHED
INFORMATION BOARD
GAS TANKS
RR TIE WALKWAY
LP TANK
DO NOT ENTER/YIELD
OIL & CHIP LOT
FIRE DANGER
SMOKEY BEAR
NOTICE TO CAMPERS
PINE CAMPGROUND $7 PER NIGHT
WATER PUMP
INFORMATION BOARD
RECYCLE BIN
STATE WATER OBSERVATION WELL
BURIED CABLE
RESTROOMS
RESTROOM
ROCK LOT
UNDERGROUND CABLE
STOP
CACTUS DR.
EX ROW

EXIST. CURVE PSC19
PI STA. = 178+21.61
Δ = 25° 16' 10" (LT)
D = 24° 01' 41"
R = 238.45'
T = 53.45'
L = 105.17'
E = 5.92'
P.C. STA. = 177+68.15
P.T. STA. = 178+73.32

EXIST. CURVE R635
PI STA. = 302+59.64
Δ = 21° 36' 10" (LT)
D = 14° 51' 12"
R = 385.74'
T = 73.59'
L = 145.44'
E = 6.96'
P.C. STA. = 301+86.04
P.T. STA. = 303+31.48

EXIST. CURVE 102
PI STA. = 300+51.29
Δ = 62° 05' 47" (RT)
D = 114° 35' 30"
R = 50.00'
T = 30.10'
L = 54.19'
E = 8.36'
P.C. STA. = 300+21.19
P.T. STA. = 300+75.38

EXIST. CURVE R636
PI STA. = 307+35.87
Δ = 25° 26' 58" (RT)
D = 13° 08' 37"
R = 435.93'
T = 98.44'
L = 193.63'
E = 10.98'
P.C. STA. = 306+37.43
P.T. STA. = 308+31.06

EXIST. CURVE 547
PI STA. = 350+56.00
Δ = 50° 12' 16" (RT)
D = 53° 46' 40"
R = 106.54'
T = 49.91'
L = 93.36'
E = 11.11'
e = N.C.
P.C. STA. = 350+06.09
P.T. STA. = 350+99.45

EXIST. CURVE 639
PI STA. = 352+54.73
Δ = 28° 51' 31" (RT)
D = 30° 04' 14"
R = 190.54'
T = 49.03'
L = 95.97'
E = 6.21'
e = N.C.
P.C. STA. = 352+05.71
P.T. STA. = 353+01.68

EXIST. CURVE 643
PI STA. = 358+60.10
Δ = 40° 11' 48" (LT)
D = 31° 18' 20"
R = 183.02'
T = 66.97'
L = 128.40'
E = 11.87'
e = N.C.
P.C. STA. = 357+93.13
P.T. STA. = 359+21.53

EXIST. CURVE 642
PI STA. = 357+68.71
Δ = 83° 55' 05" (LT)
D = 132° 42' 11"
R = 43.18'
T = 38.82'
L = 63.24'
E = 14.89'
e = N.C.
P.C. STA. = 357+29.89
P.T. STA. = 357+93.12

EXIST. CURVE 644
PI STA. = 359+79.12
Δ = 63° 32' 23" (LT)
D = 91° 58' 17"
R = 62.30'
T = 38.58'
L = 69.09'
E = 10.98'
e = N.C.
P.C. STA. = 359+40.54
P.T. STA. = 360+09.63

EXIST. CURVE 645
PI STA. = 360+58.10
Δ = 71° 51' 21" (LT)
D = 101° 47' 52"
R = 56.28'
T = 40.78'
L = 70.59'
E = 13.22'
P.C. STA. = 360+17.31
P.T. STA. = 360+87.90

EXIST. CURVE 646
PI STA. = 362+14.41
Δ = 54° 20' 18" (RT)
D = 91° 31' 58"
R = 62.60'
T = 32.13'
L = 59.37'
E = 7.76'
e = N.C.
P.C. STA. = 361+82.28
P.T. STA. = 362+41.65

EXIST. CURVE 640
PI STA. = 353+88.99
Δ = 6° 29' 06" (RT)
D = 4° 32' 10"
R = 1,263.11'
T = 71.56'
L = 142.96'
E = 2.03'
e = N.C.
P.C. STA. = 353+17.43
P.T. STA. = 354+60.39

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SAND RIDGE ROAD

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

c:\projects\d654196\p&psandridge.dgn
2/6/2004
*REF01

$$DATE$$

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• PARK ROADS •• SAND RIDGE STATE FOREST INTERNAL ROADS 2004	•	••	MASON	86	35
	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO.
SUM. NOTED
STRUCTURE NOTATNS CMPD
BY
DATE

PR PROFILE (EX + BIT SURF TR (A3) THICKNESS)

EX PROFILE

175+00	176+00	177+00	178+00	179+00	180+00	181+00	182+00	183+00	184+00	185+00
497.05 / 497.13	497.01 / 497.09	497.06 / 497.14	497.32 / 497.40	497.19 / 497.27	496.74 / 496.82	496.44 / 496.53	496.53 / 496.62	496.65 / 496.73	496.74 / 496.83	496.83 / 496.91
496.98 / 497.06	497.17 / 497.26	497.26 / 497.34	497.48 / 497.56	497.87 / 497.95	498.40 / 498.48	499.38 / 499.46	500.77 / 500.86	503.22 / 503.31	506.06 / 506.15	

515 510 505 500 495 490 485 480 475

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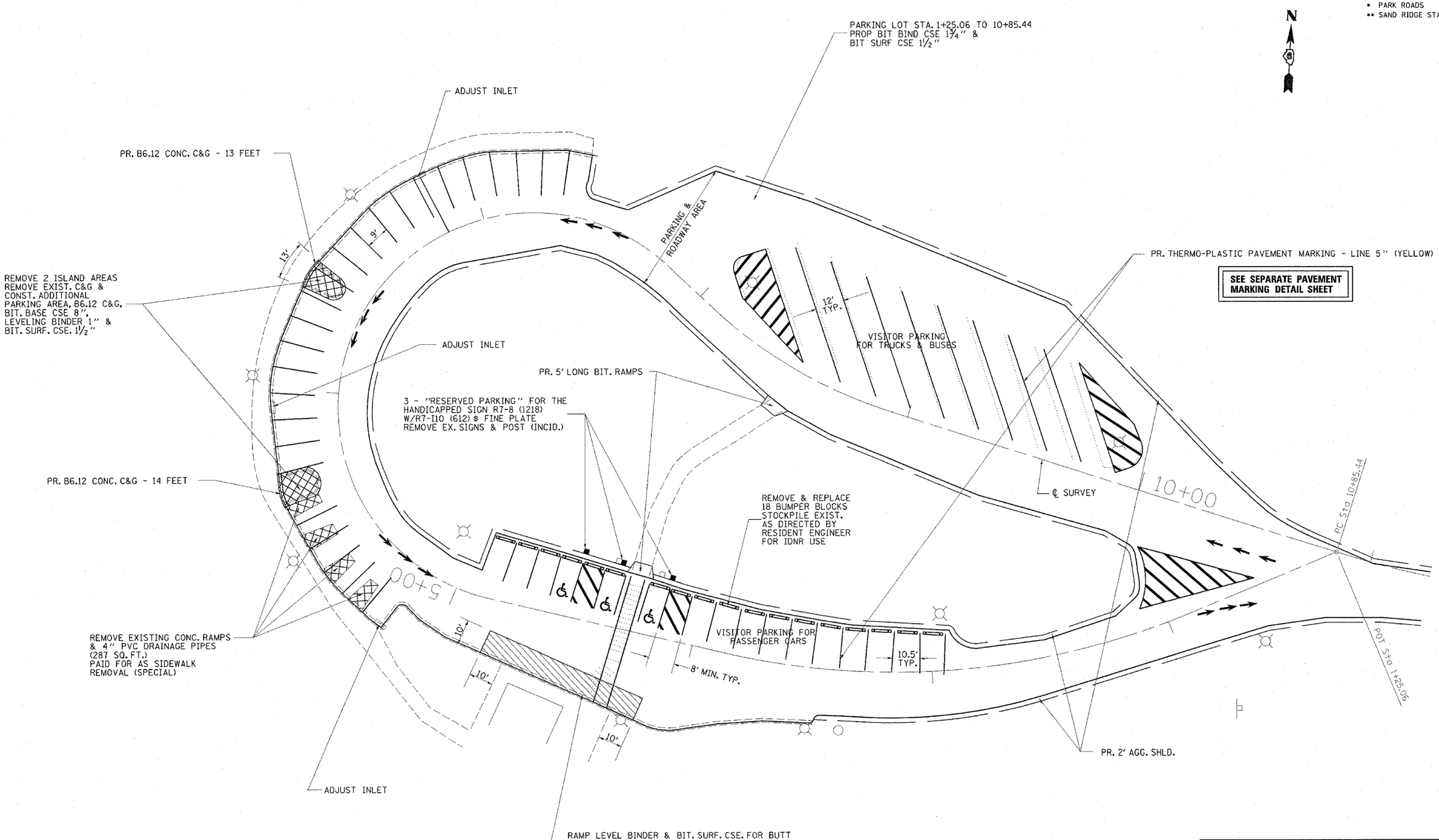
SAND RIDGE RD. STA. 175+00 - STA. 185+00

CONTRACT #72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FISH HATCHERY PARKING AREA DETAILS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

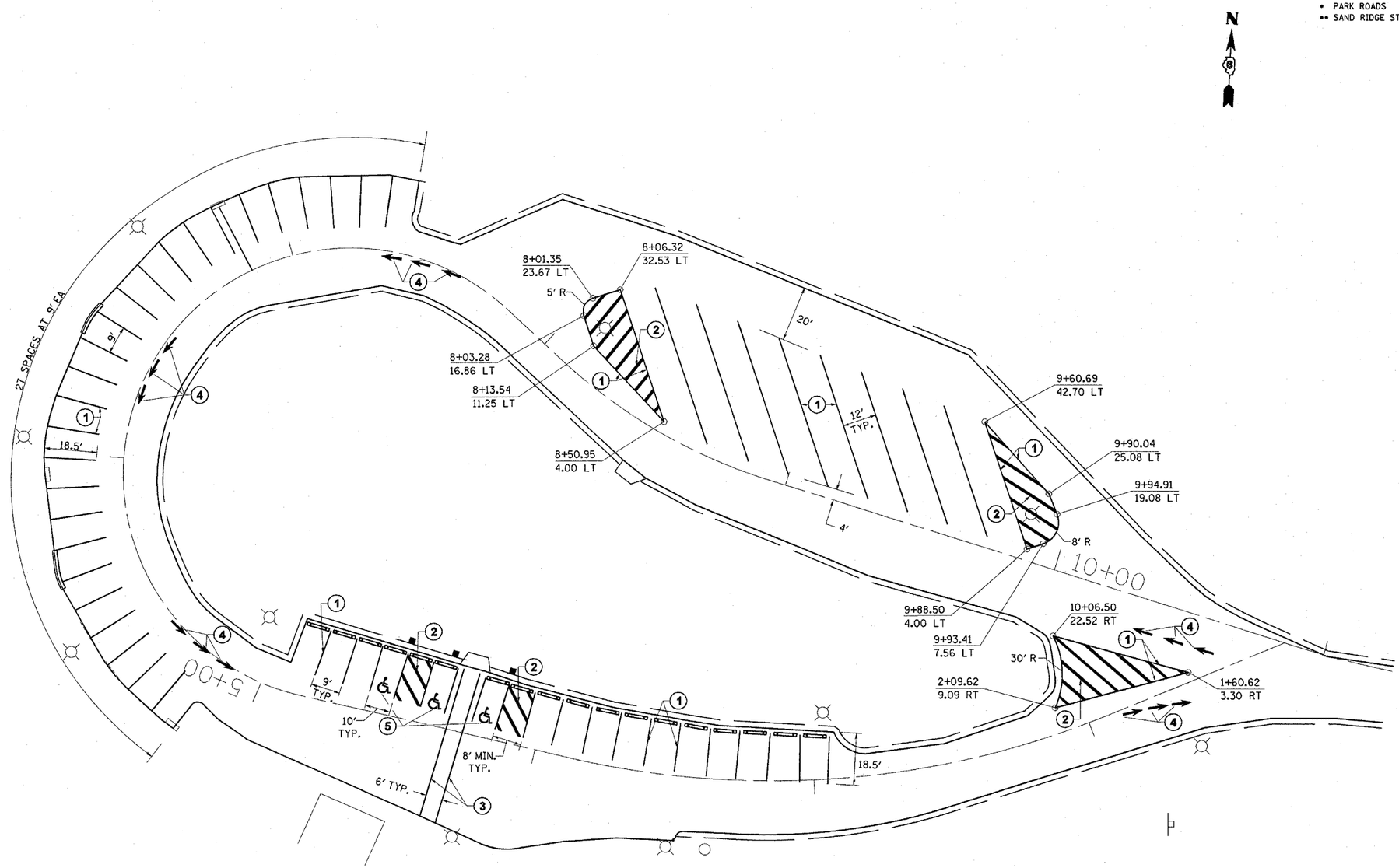
c:\projects\d654196\pl.sh.20.dgn
5/5/2005
•REF01

D6 PROJECT: D654196 FILE: PL SH 20.DGN .

CONTRACT #72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	86	37
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004



PAVEMENT MARKING LEGEND

(1) THERMO-PLASTIC PAVEMENT MARKING - LINE 5" (YELLOW)
(2) THERMO-PLASTIC PAVEMENT MARKING - LINE 5" (WHITE) @ 5' CTS.
(3) THERMO-PLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
(4) THERMO-PLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (WHITE)
(5) THERMO-PLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS (YELLOW)

NOTE: NO PROPOSED EDGE LINE STRIPING, EXCEPT AS CALLED OUT.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FISH HATCHERY PAVEMENT MARKING DETAILS

SCALE: VERT. N/A
HORIZ. 1"=20'
DATE DEC. 2003
DRAWN BY RLR
CHECKED BY JCN

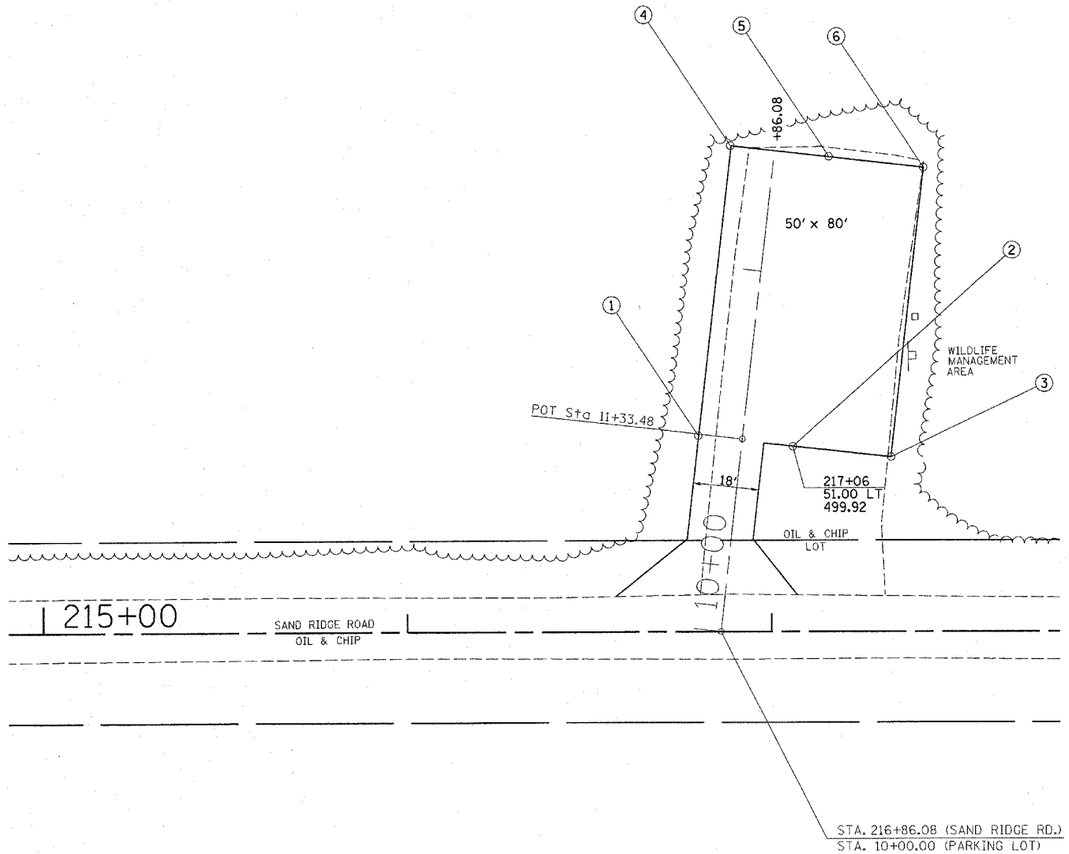
c:\projects\d654196\pl_sh_20.dgn
2/9/2004
•REF 01

D6 PROJECT: D654196 FILE: PL SH 20.DGN .

CONTRACT #72118

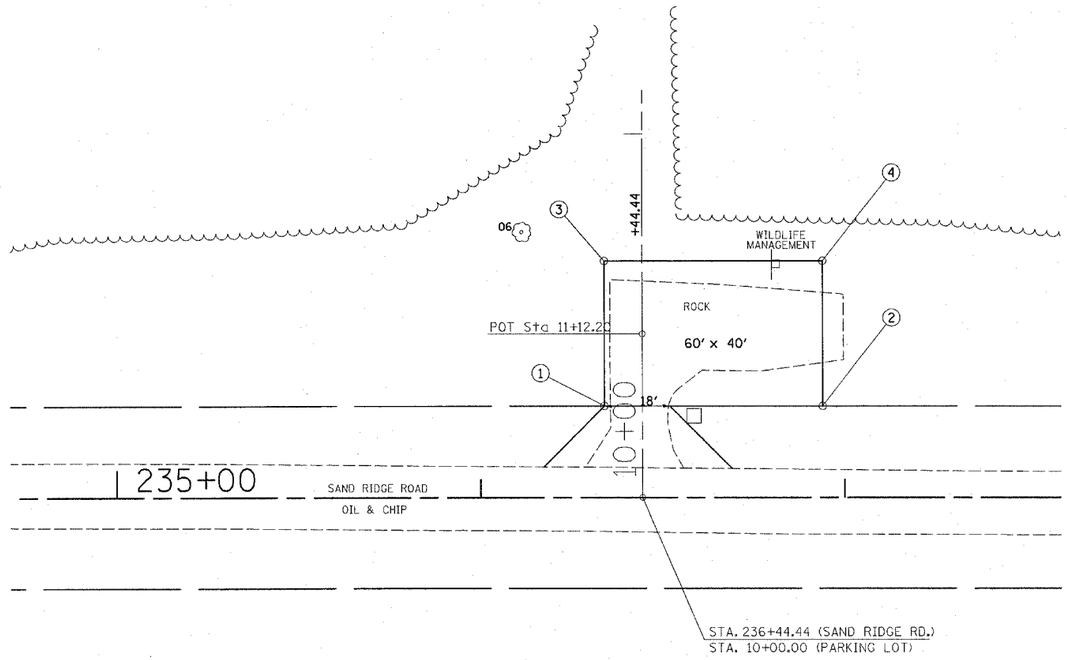
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	38
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



HUNTER PARKING AREA NO. 5

Pt. No.	Station	OffSet
1	216+80	54' LT
2	217+06	51' LT
3	217+33	48' LT
4	216+89	134' LT
5	217+16	131' LT
6	217+42	128' LT



HUNTER PARKING AREA NO. 6

Pt. No.	Station	OffSet
1	236+34	25' LT
2	236+94	25' LT
3	236+34	65' LT
4	236+94	65' LT

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PARKING AREA DETAILS SAND RIDGE ROAD

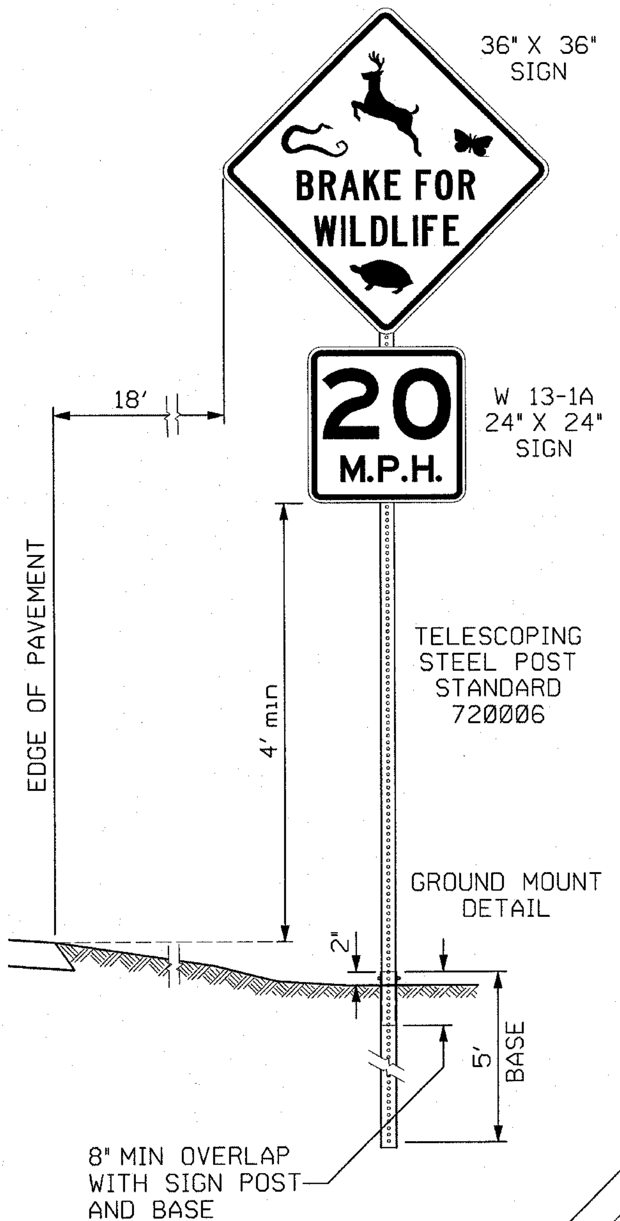
SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

c:\projects\d654196\pl_sh_20.dgn
2/9/2004
*REF01

D6 PROJECT: D654196 FILE: PL SH 20.DGN .

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



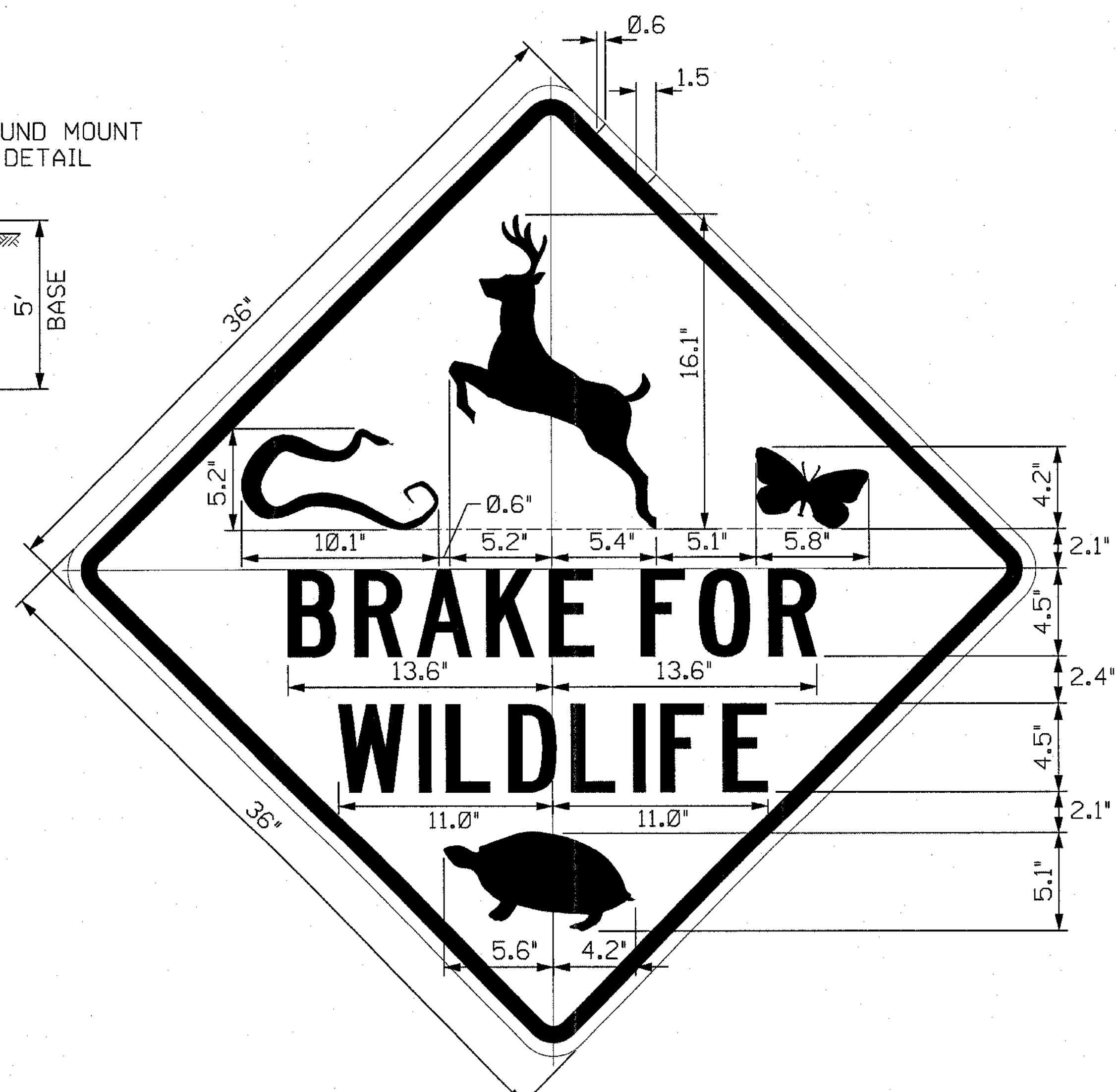
LETTER SIZES & SPACING

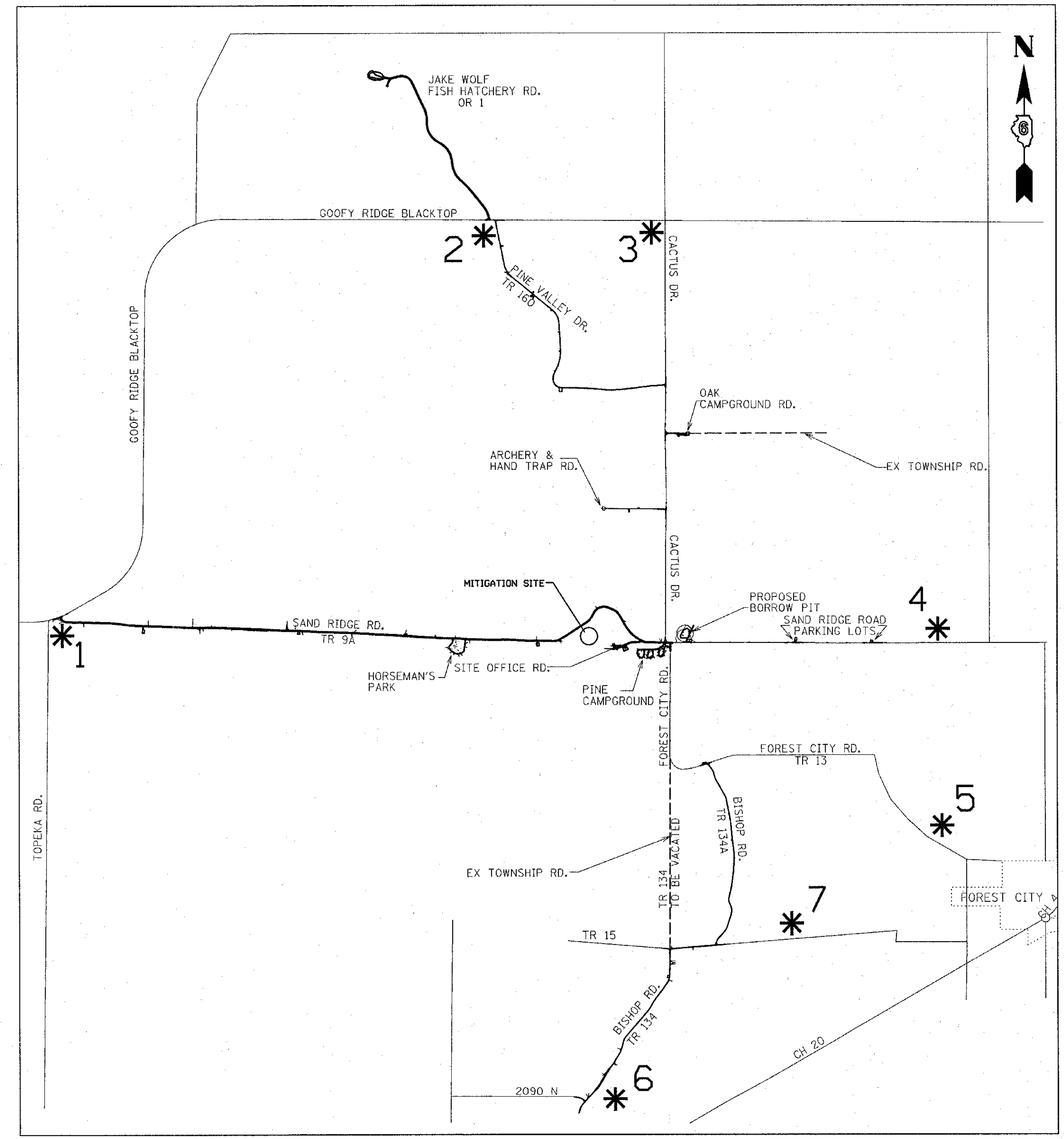
4.5"	B		R		A		K		E		F		O		R
SERIES C	2.46	Ø.95	2.46	Ø.75	2.81	Ø.75	2.46	Ø.75	2.25	2.46	2.25	Ø.75	2.60	Ø.95	2.46

INCHES

4.5"	W		I		L		D		L		I		F		E
SERIES C	3.38	Ø.75	Ø.63	Ø.75	2.25	Ø.95	2.46	Ø.75	2.25	Ø.95	Ø.63	Ø.75	2.25	Ø.95	2.25

INCHES





* "BRAKE FOR WILDLIFE" SIGN LOCATIONS

NOTE: LOCATIONS OF SIGNS SHOWN SHALL CORRESPOND TO ENTRANCES OF SAND RIDGE STATE FOREST.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

"BRAKE FOR WILDLIFE"
SIGN LOCATIONS
SAND RIDGE STATE FOREST

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	40
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

STORM WATER POLLUTION PREVENTION PLAN

Route: Park Roads Marked: Sand Ridge State Forest Park Roads

Section: Sand Ridge State Forest 2004 Project No.: NA

County: Mason Contract # 72118

This plan has been prepared to comply with the provision of the NPDES Permit Number ILR10_____ Issued by the Illinois Environmental Protection Agency for storm water discharges from construction site activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gathered and evaluated the information submitted. Based on my inquire of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted, is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ (Signature) _____ (Date)

_____ (Title)

Note: The above boxed in area will be filled out by IDOT - Construction after the award of the contract to obtain the required NPDES permit.

The following plan was established and included in these plans to direct the Contractor in the placement of temporary erosion control systems and to provide a storm water pollution prevention plan for compliance under NPDES. The Contractor shall abide to all requirements within this plan as part of the contract.

The purpose of this plan is to prevent / minimize siltation within the construction zone and to eliminate sediments from entering and leaving the construction zone by utilizing proper temporary erosion control systems and providing ground cover within a reasonable time.

Certain items, as shown in this plan and referenced by the legend, shall be placed by the Contractor at the beginning of construction. Other items shall be placed by the Contractor as directed by the Engineer on a case by case situation resulting from the Contractor's sequence of activities, time of the year, and expected weather conditions.

The Contractor shall place permanent erosion control systems and seeding within a reasonable amount of time; therefore, reducing the amount of area being open to the possibility of erosion and reducing the amount of temporary erosion control systems and temporary seeding. The Resident Engineer will determine if temporary erosion control systems shown in the plan can be deleted, the size of the proposed ditch checks, the proper method of installation, and if any additional temporary erosion control systems shall be added which are not included in this plan. The Contractor shall perform all work as directed by the Engineer and as shown in special details and in Standard 280001 of the plans.

The special provisions Temporary Seeding, Temporary Erosion Control Seeding, and Temporary Erosion Control additionally supplement this plan.

All disturbed areas having high potential for erosion, as determined by the Engineer, shall be temporarily seeded or permanently seeded by November 1, 2005.

SITE DESCRIPTION

Description of Construction Activity:

1. The proposed project consists of reconstruction/resurfacing of 4.28 miles of two lane roads, parking areas, and campgrounds in Sand Ridge State Forest and Jake Wolf Memorial Fish Hatchery in Mason County.

2. Construction consists of grading, constructing culverts, bituminous resurfacing, bituminous surface treatment, and other miscellaneous work to complete improvements to the proposed roadways.

Description of Intended Sequence of Major Construction Activities Which Will Disturb Earth and Lead to Possible Erosion for Major Portions of the Construction Site:

1. Tree removal will be completed to clear approximately 1.2 acres of wooded land.

2. Excavation will be completed along the entire length to grade out for proposed roadway ditches and waterways.

3. Excavation will also be completed in proposed cut sections to lower the existing ground elevation to meet the proposed roadway grade/vertical alignment.

4. Embankment will be completed in fill areas to raise the existing ground elevation to meet the proposed roadway grade/vertical alignment.

5. Drainage structures will be installed before and/or during the construction of the excavation and embankment to allow proper drainage across the proposed facilities.

6. Placement, maintenance, removal and proper clean-up of temporary erosion control, such as erosion control fence, hay or straw bale ditch checks, riprap ditch checks, sediment basins, temporary seeding, etc.

7. Placement of permanent erosion control, such as riprap ditch lining, riprap stilling basins, riprap dry dams, excelsior blanket, seeding, etc.

8. Final grading, paving and other miscellaneous items.

Area of Construction Site:
The total drainage area entering and including the construction site is estimated to be 6,400.0 acres in which 11.8 acres will be disturbed by excavation, grading or other activities.

Other Reports, Studies and Plans which Aid in the Development of this Storm Water Pollution Prevention Plan as Referenced Documents:

1. Estimated run-off coefficients are contained in the project drainage study which were utilized for proposed placement of the temporary erosion control systems. *

2. Information on the soils within the site was obtained from field reviews which were utilized for proposed placement of the temporary erosion control systems. *

3. Site maps indicating drainage patterns and approximate slopes were contained in the project design report, USGS drainage maps, project drainage study, and project plan documents were all utilized for proposed placement of the temporary erosion control systems.

Drainage Tributaries Receiving Water from this Construction Site:

1. Minor tributaries to Clear Lake

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. HORIZ. DRAWN BY

DATE CHECKED BY

•DGN-SPEC•
•DATE-TIME•
•REF01

D6 PROJECT: D654196 FILE: DETAILS .DGN

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	41
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS

Description of Stabilization Practices at the Beginning of Construction:

1. The area between the existing and proposed right-of-way/temporary easement boundaries and limits of the project will be improved and managed for the purposes of controlling erosion within the area, reducing water flow by temporary diversion and minimizing siltation into the construction zone, and establishing vegetative cover which will become permanent vegetation and act as an erosion barrier. Work at the beginning of construction will consist of the following:

   (a) Areas of existing vegetation (woods and grasslands) outside the proposed construction slope limits shall be identified for preserving and shall be protected from mowing, brush cutting, tree removal and other activities which would be detrimental to their maintenance and development.

   (b) Dead, diseased, or unsuitable vegetation within the site shall be removed as directed by the Engineer, along with required tree removal.

   (c) As soon as reasonable access is available (such as trees cleared) to all locations where water drains away from the project, sediment basins, riprap ditch checks, hay or straw bale ditch checks, and/or erosion control fence shall be installed as called out in this plan and directed by the Engineer.

   (d) Bare and sparsely vegetated ground in highly erodable areas as determined by the Engineer shall be temporarily seeded at the beginning of construction where no construction activities are immediately expected as stated in the special provision "Temporary Erosion Control Seeding".

   (e) Immediately after tree removal is completed in certain areas which are highly erodable areas as determined by the Engineer, the areas shall be temporarily seeded where no construction activities are immediately expected as stated in the special provision *Temporary Erosion Control Seeding*.

   (f) At locations where a significant amount of water drains into the construction zone from outside areas (adjacent landowners), erosion control fence, hay or straw bale ditch checks, or riprap ditch checks will be utilized to locally divert water, reduce flow rates, and collect outside siltation inside the right-of-way line. Erosion control items will not be allowed to be installed to cause flooding to upstream private property which could cause crop damages or other undesireable conditions.

2. Establishment of these temporary erosion control measures will have additional benefits to the project. Desirable grass seed will become established in these areas and will spread seeds onto the construction site until permanent seeding/mowing and overseeding can be complete.

3. A third benefit of these filter areas is that they will begin to provide a screen and buffer. They will help protect the construction site from winds and excess sun and mitigate construction noise and dust.

Description of Stabilization Practices During Construction:

1. During roadway construction, areas outside the construction slope limits as outlined previous herein shall be protected from damaging effects of construction. The Contractor shall not use this area for staging (except as designated on the plans or directed by the Engineer), parking of vehicles or construction equipment, storage of materials, or other construction related activities.
   (a) Within the construction zone, critical areas which have high flows of water as determined by the Engineer shall remain undisturbed until full scale construction is underway to prevent unnecessary soil erosion.
   (b) Top soil and earth stockpiles shall be temporarily seeded if they are to remain unused for more than fourteen days.
   (c) As the Contractor constructs a portion of roadway in a fill section, he/she shall follow the following steps as directed by the Engineer:

   I. Place temporary erosion control systems at locations where water leaves and enters the construction zone
   II. Temporary seed highly erodable areas outside the construction slope limits
   III. Construct roadside ditches and provide temporary erosion control systems
   Iv. Temporary divert water around proposed culvert locations
   v. Build necessary embankment at culvert locations and then excavate and place culvert
   vi. Continue building up the embankment to the proposed grade while at the same time place permanent erosion control such as riprap ditch lining and conduct final shaping to the slopes

   (d) The Contractor shall immediately follow major earth moving operations with final grading equipment. After the major earth spread operation has moved to a new location, final grading shall be completed within fourteen days. If grading is not completed within fourteen days, all major earth moving operations will be stopped, as directed by the Engineer, until disturbed areas are final graded and seeded.

   (e) Excavated areas and embankments shall be permanently seeded when final graded. It not, they shall be temporarily seeded as stated in the special provision *Temporary Erosion Control Seeding*.

   (f) Construction equipment shall be stored and fueled only at designated locations. All necessary measures shall be taken to contain any fuel or pollution run-off in compliance with EPA water quality regulations. Leaking equipment or supplies shall be immediately repaired or removed from the site.

   (g) The Resident Engineer shall inspect the project daily during activities and weekly or after large rains during the winter shutdown period. The project shall additionally be inspected by the Construction Field Engineer on a bi-weekly basis to determine that erosion control efforts are in place and effective and if other control work is necessary.

   (h) Sediment collected during construction by the various temporary erosion control systems shall be disposed of on the site on a regular basis as directed by the Engineer. The cost of this maintenance will be paid for in accordance with Article 109.04 of the Standard Specifications.

   (I) The temporary erosion control systems shall be removed as directed by the Engineer after use is no longer needed or no longer functioning. The costs of this removal shall be included in the unit bid price for the temporary erosion control system. No additional compensation will be allowed.

Description of Structural Practices After Final Grading:

1. Temporary erosion control systems shall be left in place with proper maintenance until permanent erosion control is in place and working properly and all proposed turf areas seeded and established with a proper stand.

2. Once permanent erosion control systems as proposed in the plans are functional and established, temporary items shall be removed, cleaned up, and disturbed turf reseeded. Temporary riprap ditch checks will be allowed to remain in place where approved by the Engineer.

Maintenance after Construction:

1. Construction is complete after acceptance is received at the final inspection.

2. Areas will be inspected on a regular basis by the IDNR Site Manager.

3. Maintenance crews will perform regular mowings to aid in keeping weeds down and establishing a good roadside seed stand.

4. Maintenance crews will also aid in any ditch lining maintenance or in any drainage problems.

5. All maintenance will be conducted at times when weather conditions will not cause site damage.

FUTURE CONTRACTS

A Future Contract will be Let to Complete Remainder of Improvements at the Site:

1. Any required extensive maintenance would be addressed at that time.

DOCUMENTATION

1. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with Section 4.b. shall be made and retained as part of the plan for at least three years after the date of inspection. The report shall be signed in accordance with part VI.G of the general permit.

2. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incident of Noncompliance (ION)" report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI.G. of the general permit. The report of noncompliance shall be mailed to the following address:

   Illinois Environmental Protection Agency
   Division of Water Pollution Control
   2200 Churchill Road, P.O. Box 19276
   Springfield, IL 62794-9276
   Attn: Compliance Assurance Section

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

c:\projects\d654196\details.dgn
2/5/2004
*REF01

D6 PROJECT: D654196 FILE: DETAILS .DGN

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	86	42
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004

CONTRACTOR CERTIFICATION STATEMENT

This certification statement is part of the Storm Water Pollution Plan for the project described below in accordance with NPDES Permit No. ILR10_____, issued by the Illinois Environmental Protection Agency on _____.

Route: Park Roads Marked: Sand Ridge State Forest Park Roads

Section: Sand Ridge State Forest 2004 Project No.: N/A

County: Mason Contract # 72118

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature_____ Date_____

Title_____

Name of Firm_____

Street Address_____

City, State, Zip_____

Phone Number_____

Note: The above boxed in area shall be filled out by the Contractor after the award of the contract to obtain the required NPDES Permit from IEPA. This is a requirement for this contract.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

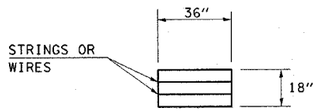
c:\projects\d654196\details.dgn
2/5/2004
•REF01

D6 PROJECT: D654196 FILE: DETAILS .DGN

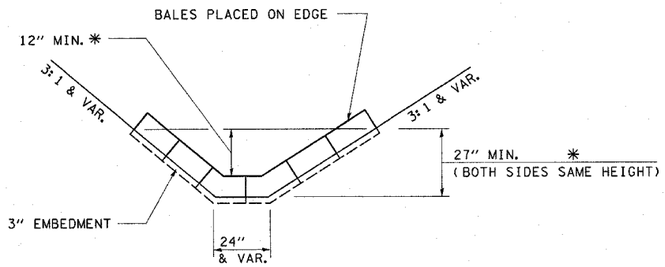
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	86	43
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

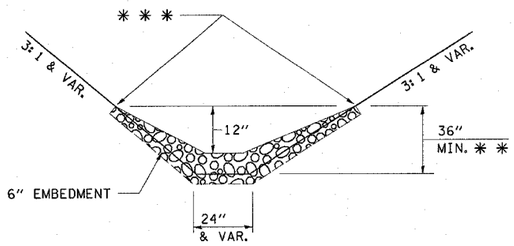
• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004



HAY OR STRAW BALE
(TYPICAL ELEVATION)



HAY OR STRAW BALE DITCH CHECK
(TYPICAL)



STONE DUMPED RIPRAP DITCH CHECK
(TYPICAL)

* BALES SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 12" OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE BALES.

* * RIPRAP SHALL EXTEND FAR ENOUGH UP THE SLOPES TO ALLOW 12" OVERTOPPING TO AVOID ERODING AROUND THE EDGES OF THE RIPRAP.

* * * ENDS SHALL BE TIED INTO SLOPES.

LEGEND

(FOR THE STORM WATER POLLUTION PRVENTION PLAN SHEETS)

ITEM	SYMBOL
AGGREGATE (EROSION CONTROL) [STONE DUMPED RIPRAP DITCH CHECKS (Height = 24")]	
TEMPORARY DITCH CHECKS (HAY OR STRAW BALE DITCH CHECKS OR APPROVED SUBSTITUTION)	T
INLET PIPE PROTECTION (I&PP)	
EROSION CONTROL FENCE	
EARTH EXCAVATION FOR EROSION CONTROL (SEDIMENT BASINS)	
HEAVY DUTY EXCELSIOR BLANKET	
PRESERVE EXISTING TREES, WOODLANDS, AND UNDERSTORY (OUTSIDE CONSTRUCTION LIMITS)	
ITEM PLACED AT BEGINNING OF CONSTRUCTION (Requirement)	* ITEM *
ITEM PLACED AS DIRECTED BY ENGINEER (When required by situation)	ITEM
DIRECTION OF OVERLAND FLOW	

NOTE: All items shall be constructed as shown on this sheet, on Standard 280001, and as directed by the Engineer.

The symbology on the STORM WATER POLLUTION PREVENTION PLAN sheets does not represent the size or quantity of bales, for number of bales refer to details and notes shown on this sheet and/or as directed by the Engineer.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

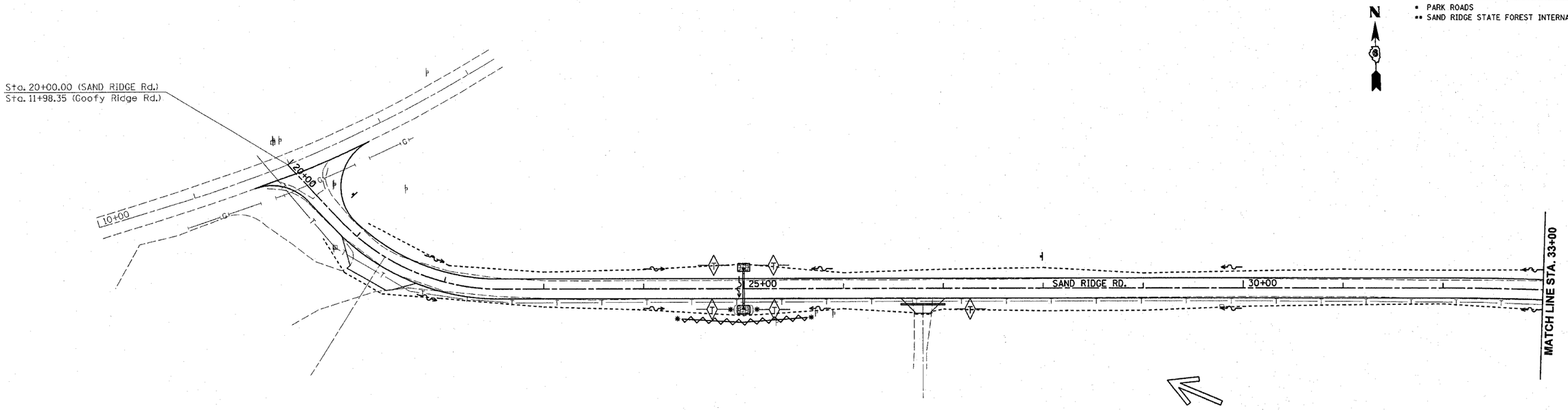
c:\projects\d654196\details.dgn
2/5/2004
•REF01

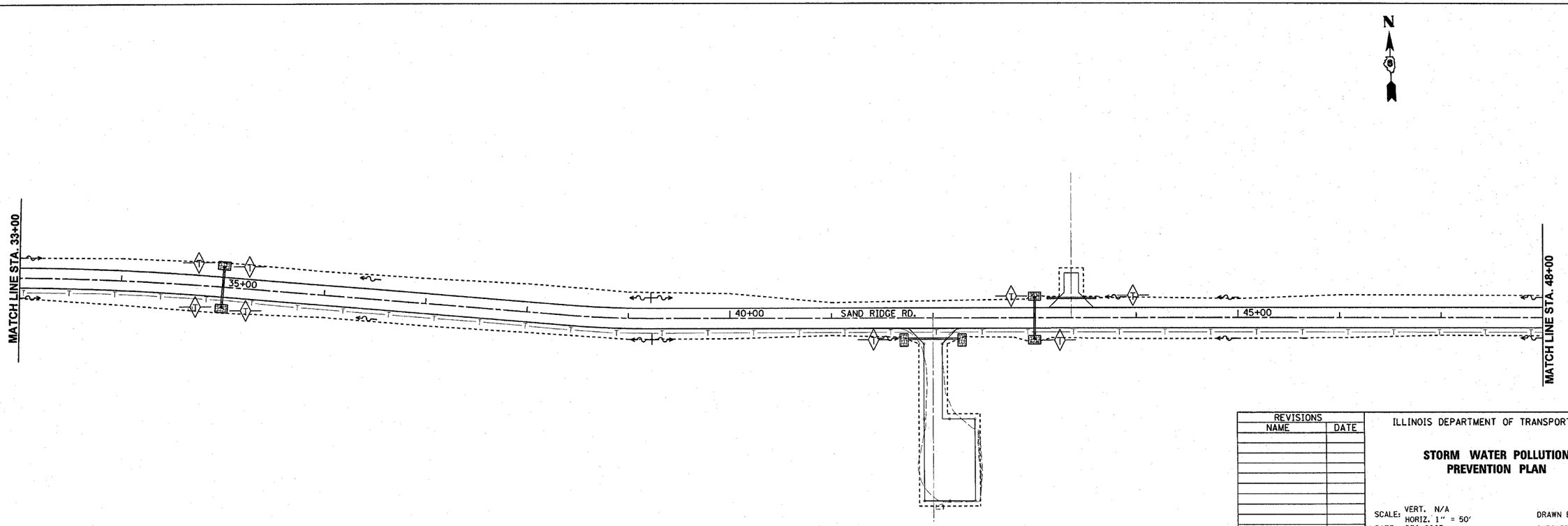
D6 PROJECT: D654196 FILE: DETAILS .DGN

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	44
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004





REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. N/A
HORIZ. 1" = 50'
DATE DEC. 2003

DRAWN BY EJW
CHECKED BY JCN

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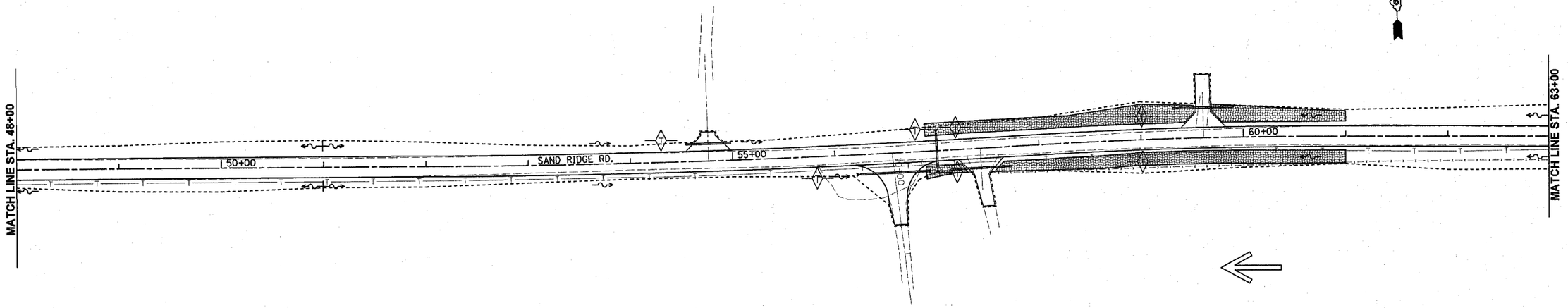
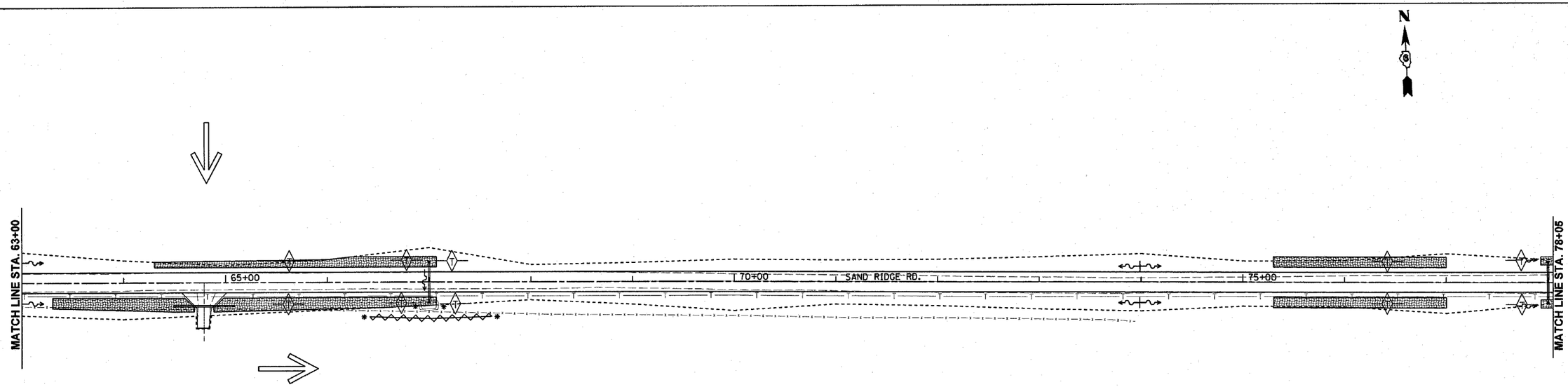
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004





REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. N/A
HORIZ. 1" = 50'
DATE DEC. 2003

DRAWN BY EJW
CHECKED BY JCN

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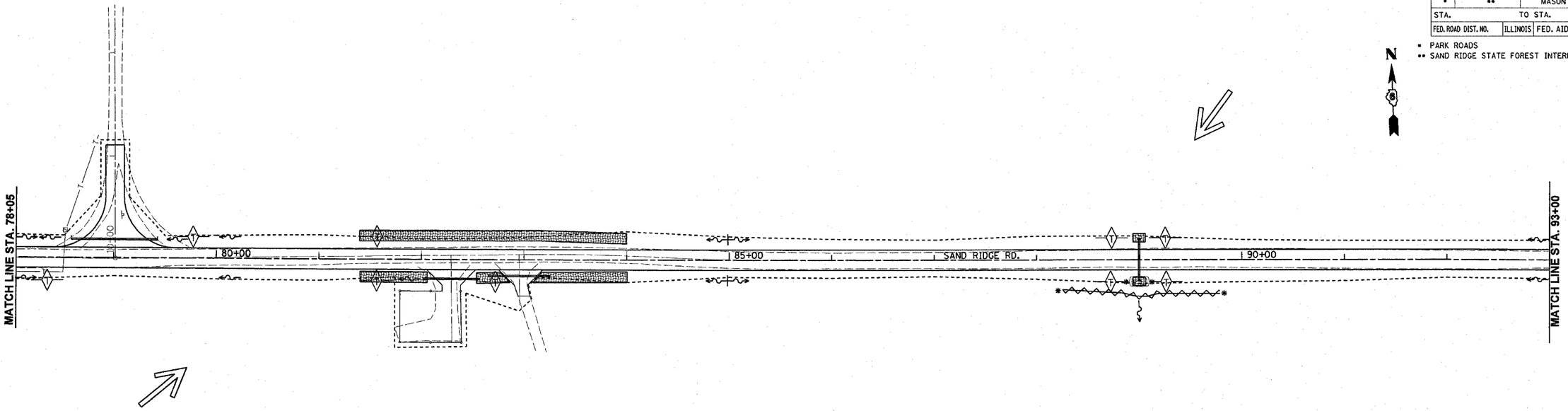
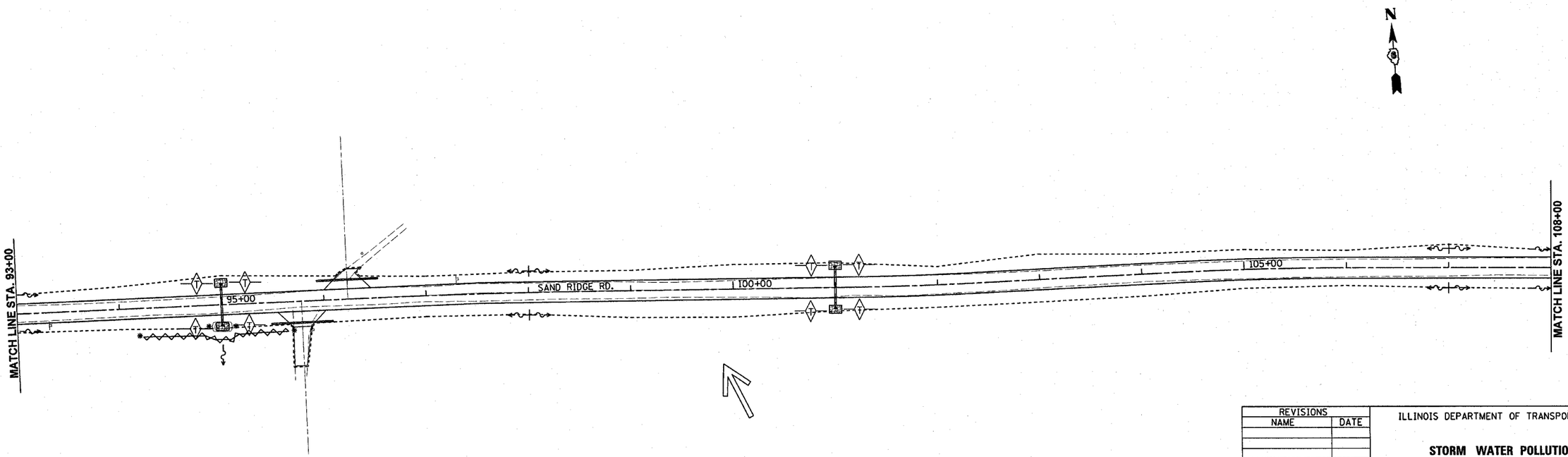
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	46
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004





REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. N/A
HORIZ. 1" = 50'
DATE DEC. 2003

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CHECKED BY JCN

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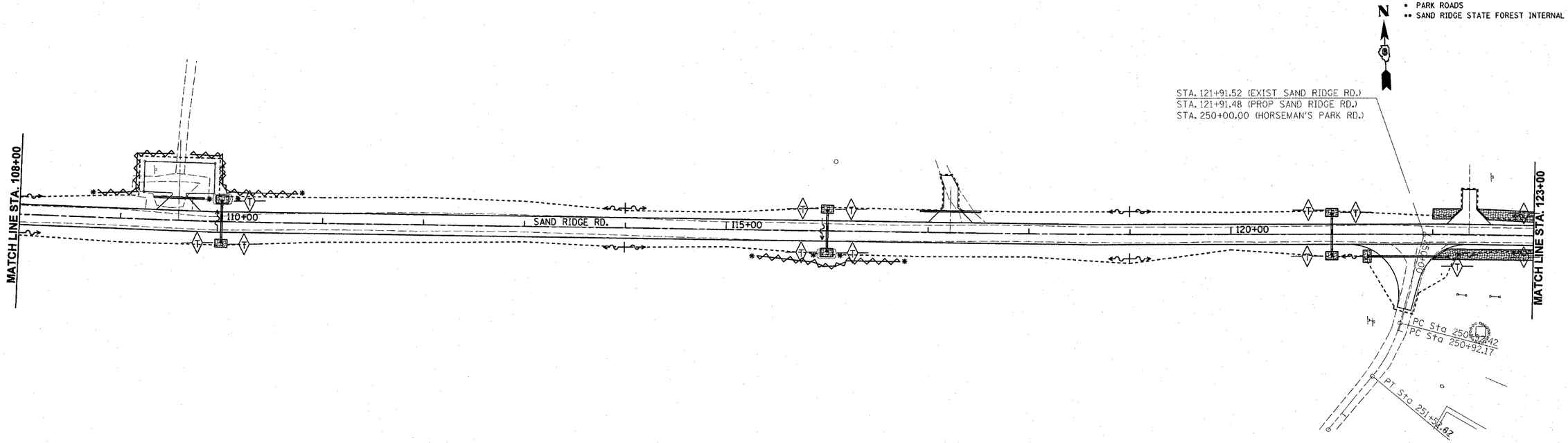
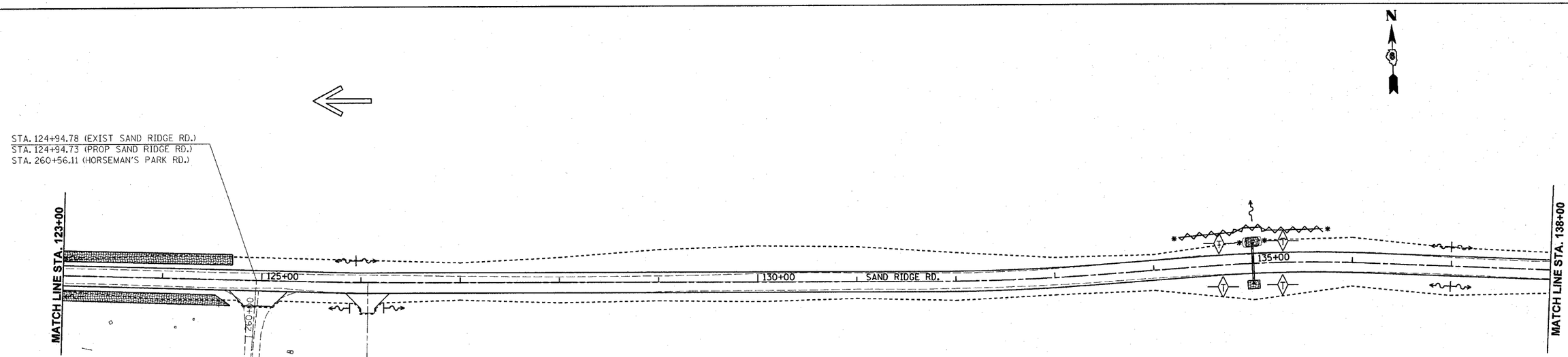
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	47
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004





REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. N/A
HORIZ. 1" = 50'
DATE DEC. 2003

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CHECKED BY JCN

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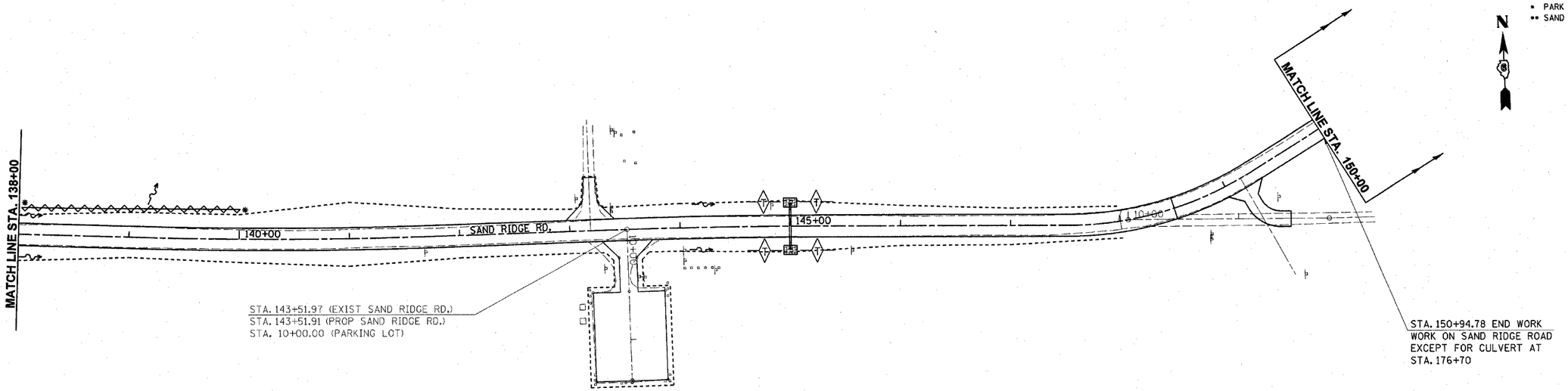
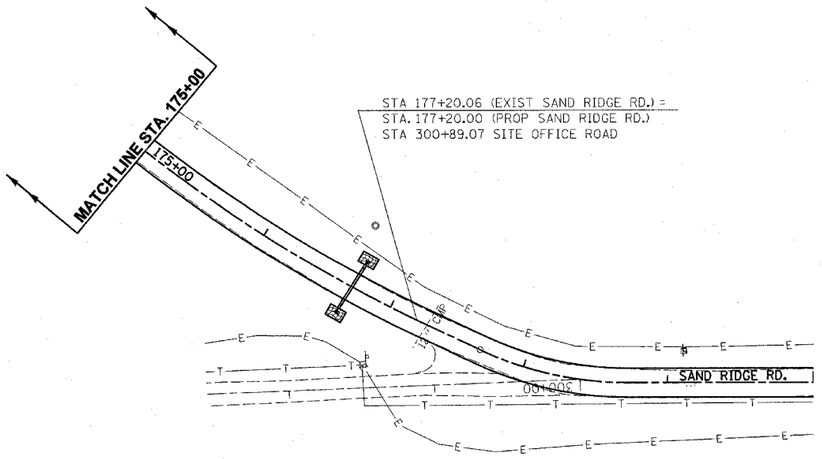
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	48
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004





REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE: VERT. N/A
HORIZ. 1" = 50'
DATE DEC. 2003

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CHECKED BY JCN

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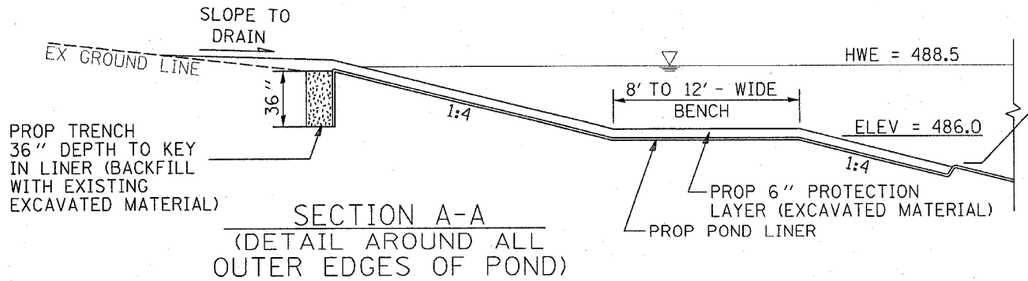
CONTRACT NO. 72118

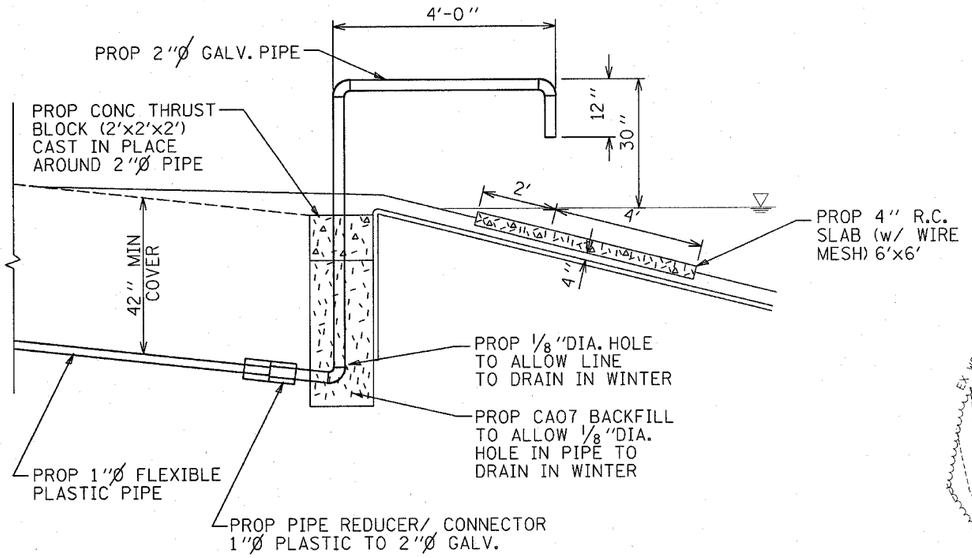
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	86	49
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004



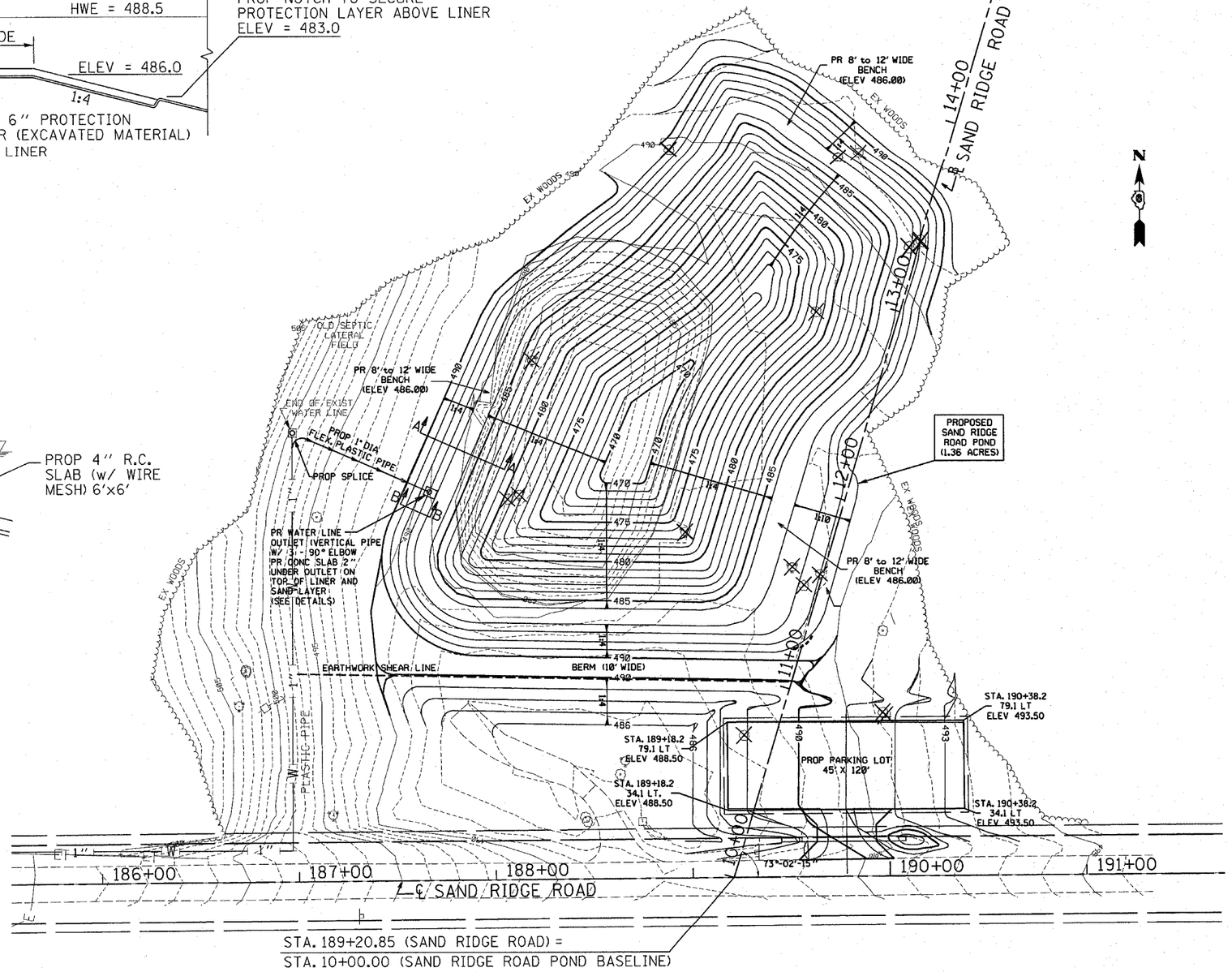
SECTION A-A
(DETAIL AROUND ALL OUTER EDGES OF POND)

NOTE: FUTURE POND LINER WILL BE DONE BY OTHERS



SECTION B-B
(WATER LINE OUTLET DETAIL)

NOTE: FUTURE WATER LINE OUTLET WILL BE DONE BY OTHERS



REVISIONS	
NAME	DATE

30 0 30 60
SCALE IN FEET

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORROW SITE DETAILS
SAND RIDGE ROAD BORROW SITE (FUTURE POND)

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

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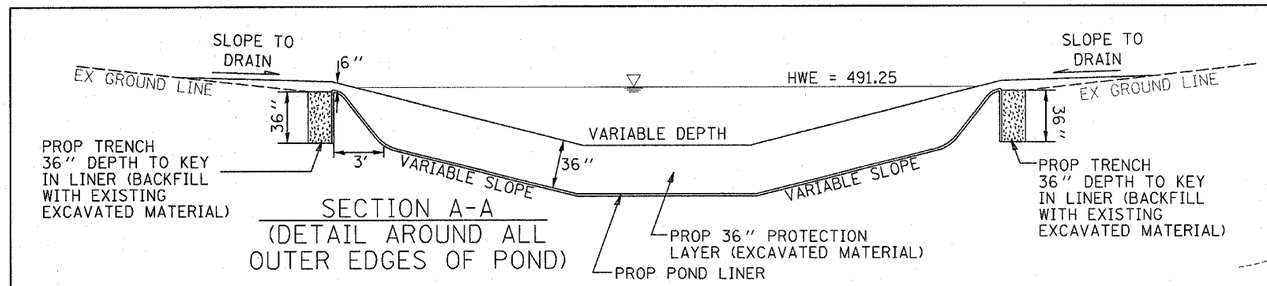
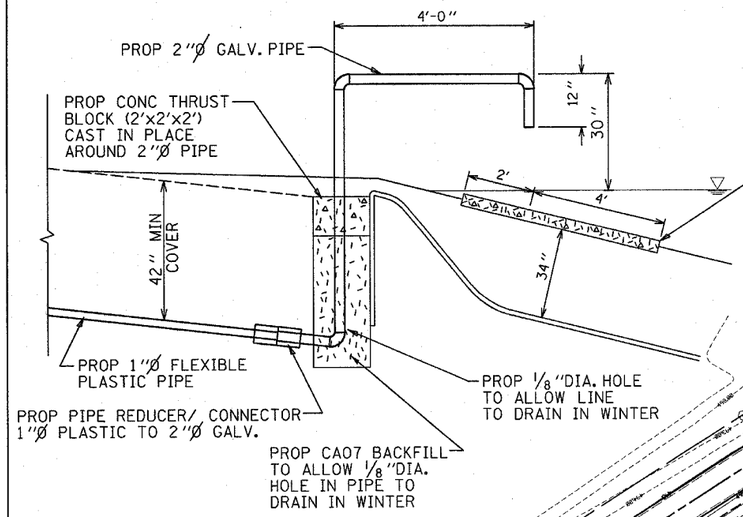
CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	50
	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



SECTION A-A
(DETAIL AROUND ALL OUTER EDGES OF POND)



SECTION B-B
(WATER LINE OUTLET DETAIL)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WETLAND MITIGATION POND GRADING DETAILS

SAND RIDGE ROAD

SCALE: VERT. HORIZ.
DATE
DRAWN BY
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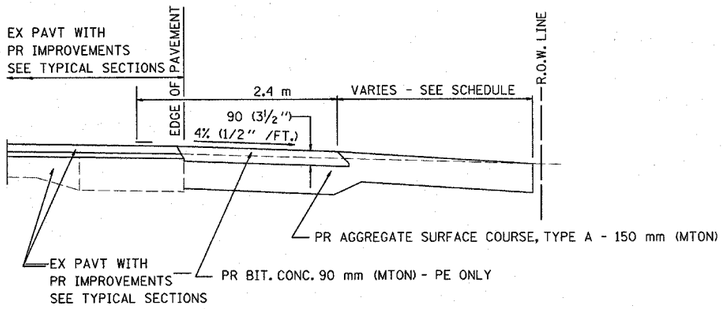
2/5/2004 1:58:23 PM woodse.j

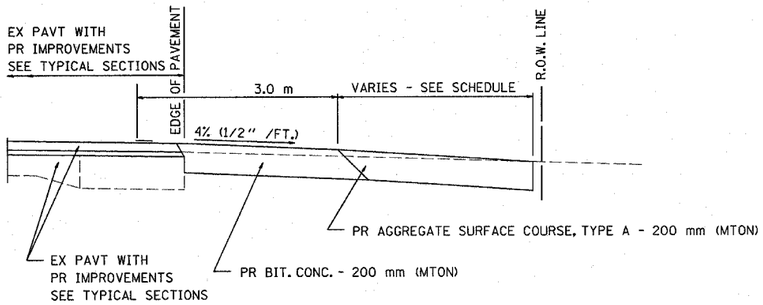
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	86	51
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

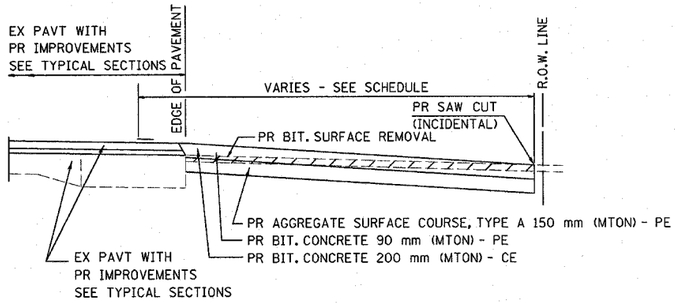
- PARK ROADS
- SAND RIDGE STATE FOREST INTERNAL ROADS 2004



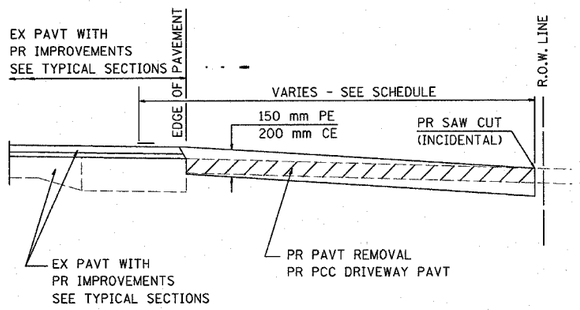
SECTION A-A FOR EX EARTH/AGGREGATE FE & PE



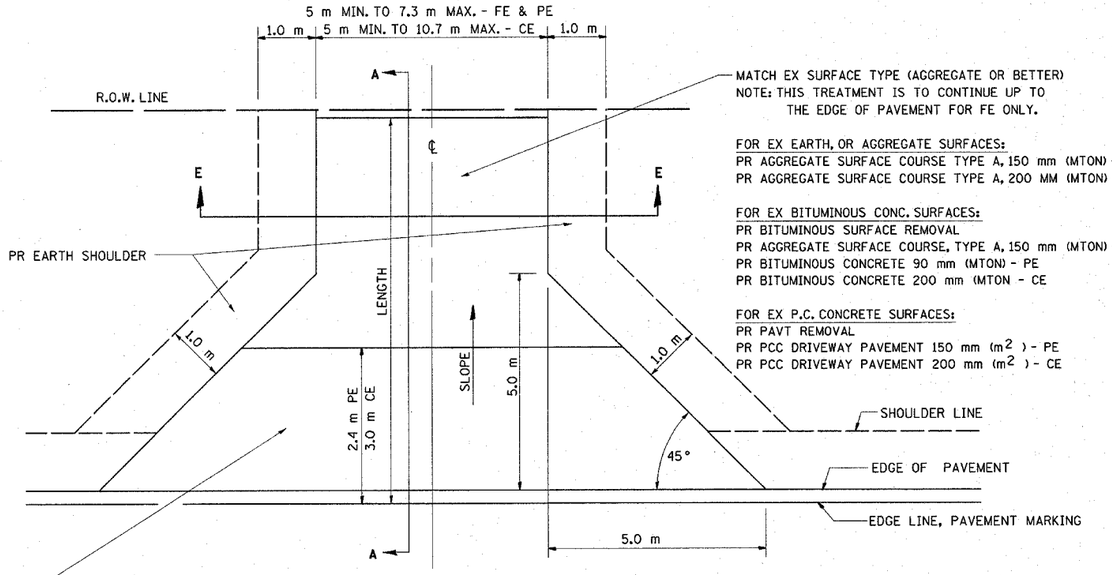
SECTION A-A FOR EX EARTH/AGGREGATE CE



SECTION A-A FOR EX BITUMINOUS PE & CE



SECTION A-A FOR EX P.C. CONC. PE & CE



MATCH EX SURFACE TYPE (AGGREGATE OR BETTER)
NOTE: THIS TREATMENT IS TO CONTINUE UP TO THE EDGE OF PAVEMENT FOR FE ONLY.

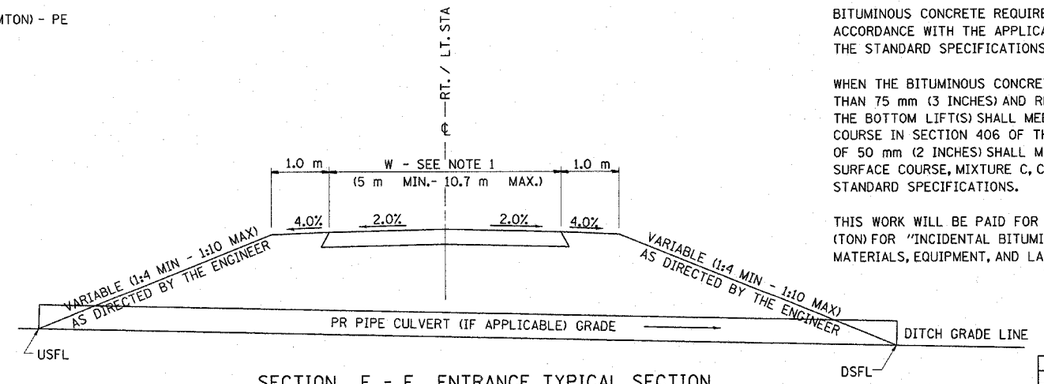
FOR EX EARTH, OR AGGREGATE SURFACES:
PR AGGREGATE SURFACE COURSE TYPE A, 150 mm (MTON) - FE & PE
PR AGGREGATE SURFACE COURSE TYPE A, 200 MM (MTON) - CE

FOR EX BITUMINOUS CONC. SURFACES:
PR BITUMINOUS SURFACE REMOVAL
PR AGGREGATE SURFACE COURSE, TYPE A, 150 mm (MTON) - PE
PR BITUMINOUS CONCRETE 90 mm (MTON) - PE
PR BITUMINOUS CONCRETE 200 mm (MTON - CE

FOR EX P.C. CONCRETE SURFACES:
PR PAVT REMOVAL
PR PCC DRIVEWAY PAVEMENT 150 mm (m^2) - PE
PR PCC DRIVEWAY PAVEMENT 200 mm (m^2) - CE

FOR EX EARTH, AGGREGATE, OR BITUMINOUS CONC SURFACES:
PR BIT SURFACE REMOVAL (IF APPLICABLE)
PR AGGREGATE SURFACE COURSE TYPE A 150 mm (MTON) - FE
PR AGGREGATE SURFACE COURSE TYPE A, 150 mm (MTON) &
PR BITUMINOUS CONCRETE 90 mm (MTON) - PE
PR BITUMINOUS CONCRETE 200mm (MTON) - CE

FOR P.C. CONCRETE SURFACES:
PR PAVT REMOVAL
PR PCC DRIVEWAY PAVT 150 mm (m^2) - PE
PR PCC DRIVEWAY PAVT 200 mm (m^2) - CE



SECTION E - E ENTRANCE TYPICAL SECTION

NOTE 1: WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.

GENERAL NOTES:

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE C, CLASS I, TYPE 2 OF SECTION 406 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER METRIC TON (TON) FOR "INCIDENTAL BITUMINOUS SURFACING" WHICH SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR INVOLVED.

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

SHEET 1 OF 3

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR RURAL ENTRANCE & MAILBOX TURNOUT

SCALE: VERT. HORIZ.

DATE: FEBRUARY 23, 1999

DRAWN BY

CHECKED BY JCN

3mrural

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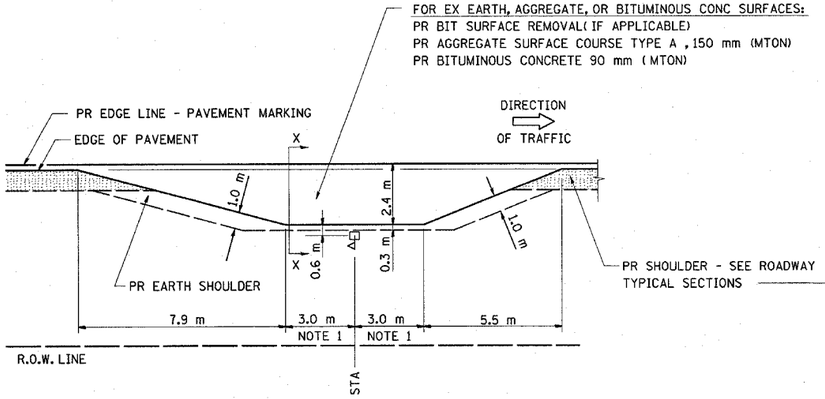
CONTRACT NO. 72118

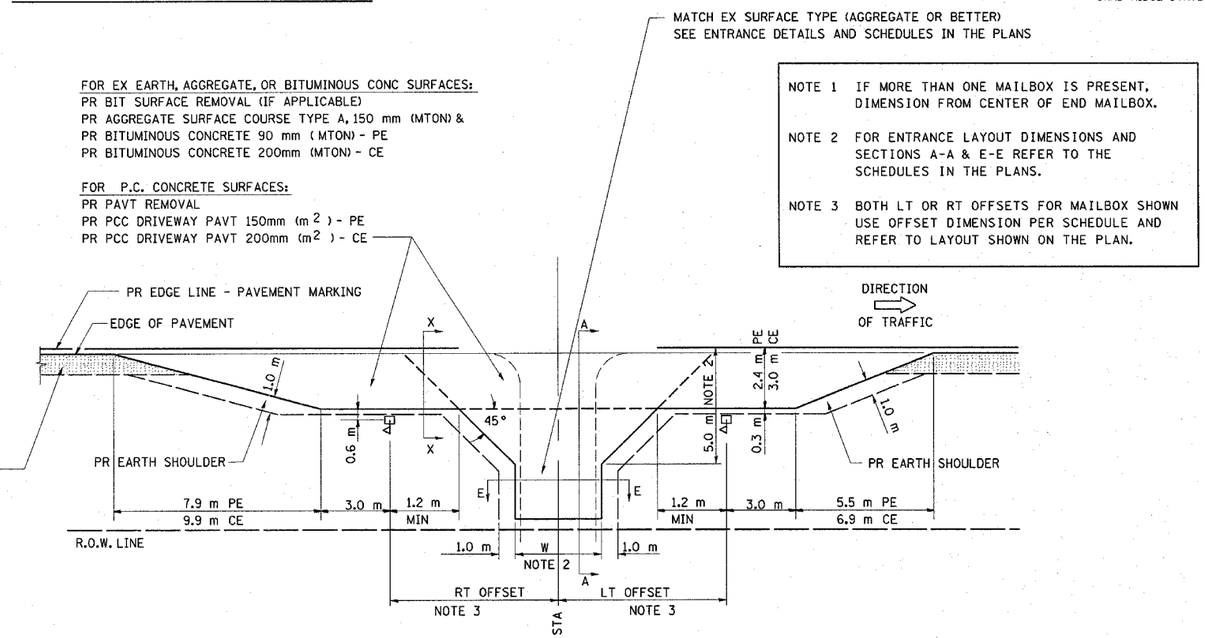
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	MASON	86	52
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

- PARK ROADS
- SAND RIDGE STATE FOREST INTERNAL ROADS 2004

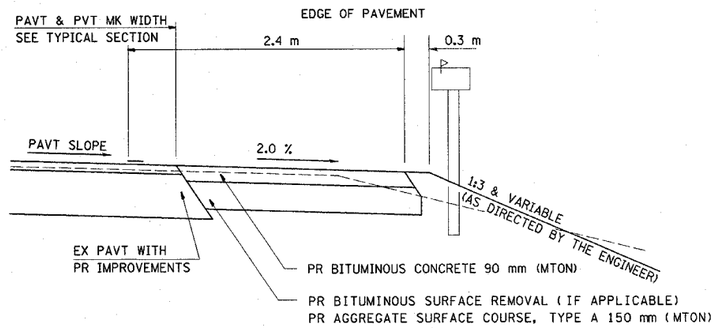
DETAILS OF MAILBOX TURNOUTS



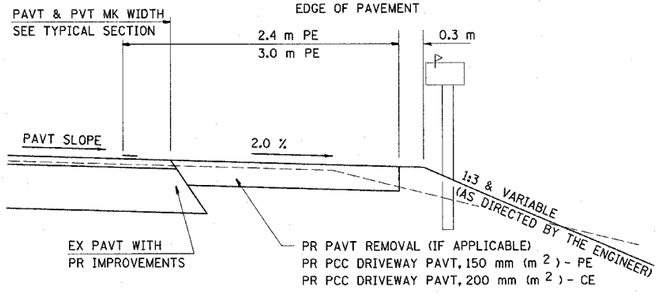
PLAN - MAILBOX TURNOUTS



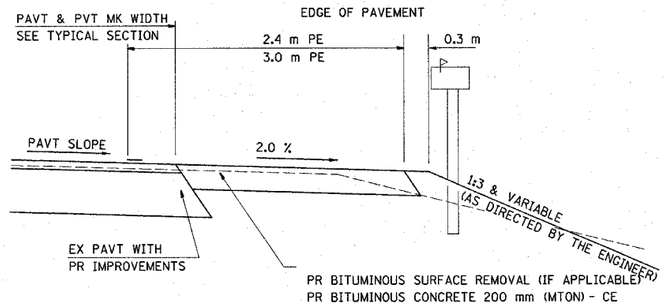
PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR BITUMINOUS PE & FE



SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX CONC PE OR CE



SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX EARTH, AGGREGATE, OR BITUMINOUS CE

SHEET 2 OF 3

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR RURAL ENTRANCE & MAILBOX TURNOUT

SCALE: VERT. HORIZ.
DATE : FEBRUARY 23, 1999
DRAWN BY
CHECKED BY JCN

3mrural

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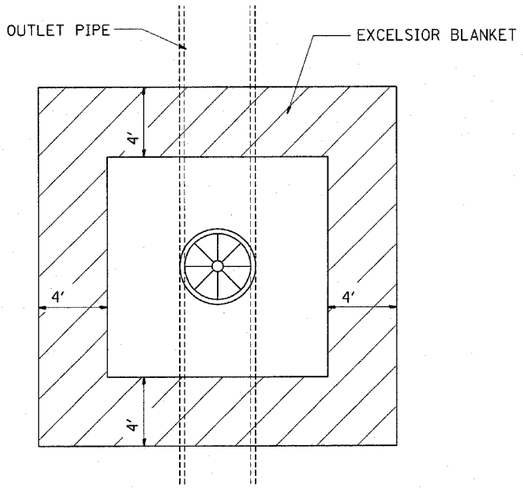
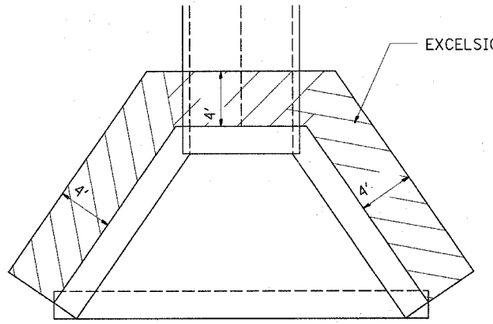
CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	53
	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

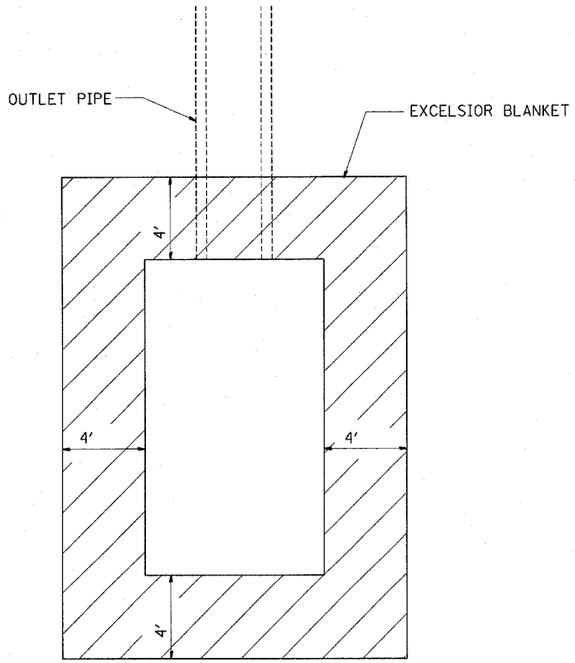
* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



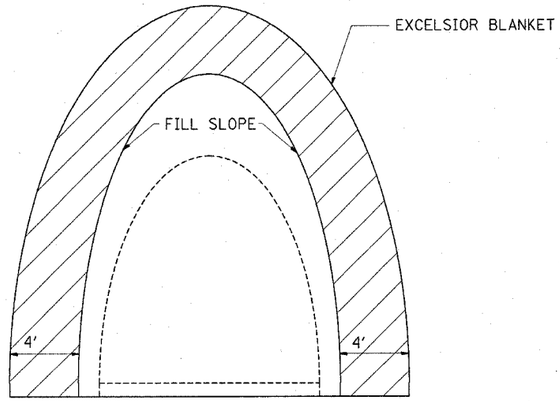
EXCELSIOR BLANKET AROUND
MANHOLE, TYPE A
W/TYPE 1 FRAME, CLOSED LID



EXCELSIOR BLANKET AROUND
HEADWALLS & CULVERT WINGWALLS



EXCELSIOR BLANKET AROUND
HEADWALL FOR PIPE UNDERDRAIN
STD 601101



EXCELSIOR BLANKET AROUND
FLARED END SECTION
STD 542301

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

HEAVY DUTY EXCELSIOR BLANKET DETAILS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

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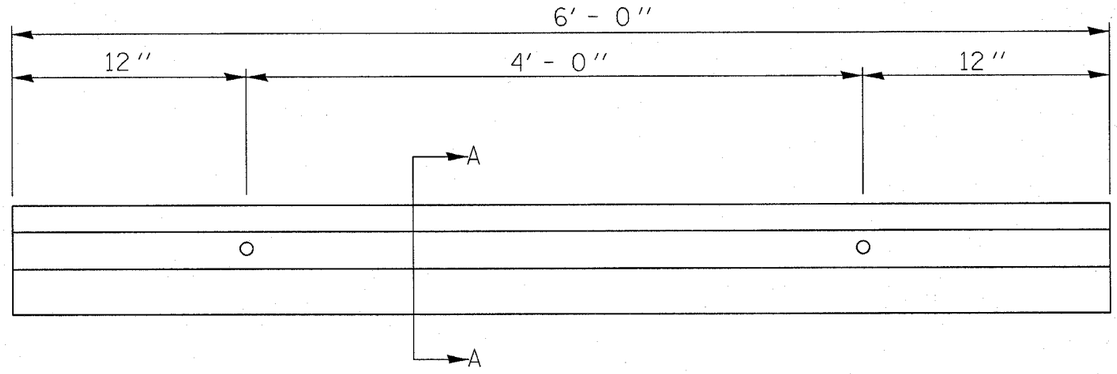
2/5/2004
•REF01

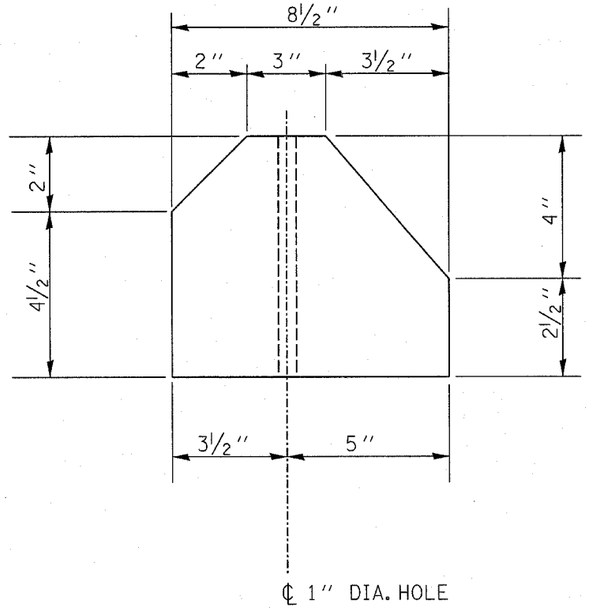
D6 PROJECT: D654196 FILE: DETAILS .DGN

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	54
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004





SECTION A-A

EX & PR BUMPER BLOCKS TO BE FASTENED TO PR BIT. SURF. W/ ¾" Ø x 24" STEEL SPIKES W/ CAPS APPROVED BY THE ENGINEER

PRECAST CONCRETE CAR BUMPER DETAIL

ILLINOIS DEPARTMENT OF TRANSPORTATION

PRECAST CONCRETE CAR BUMPER DETAIL
SAND RIDGE STATE FOREST

SCALE:
DATE:
DRAWN BY: MDH
CHECKED BY

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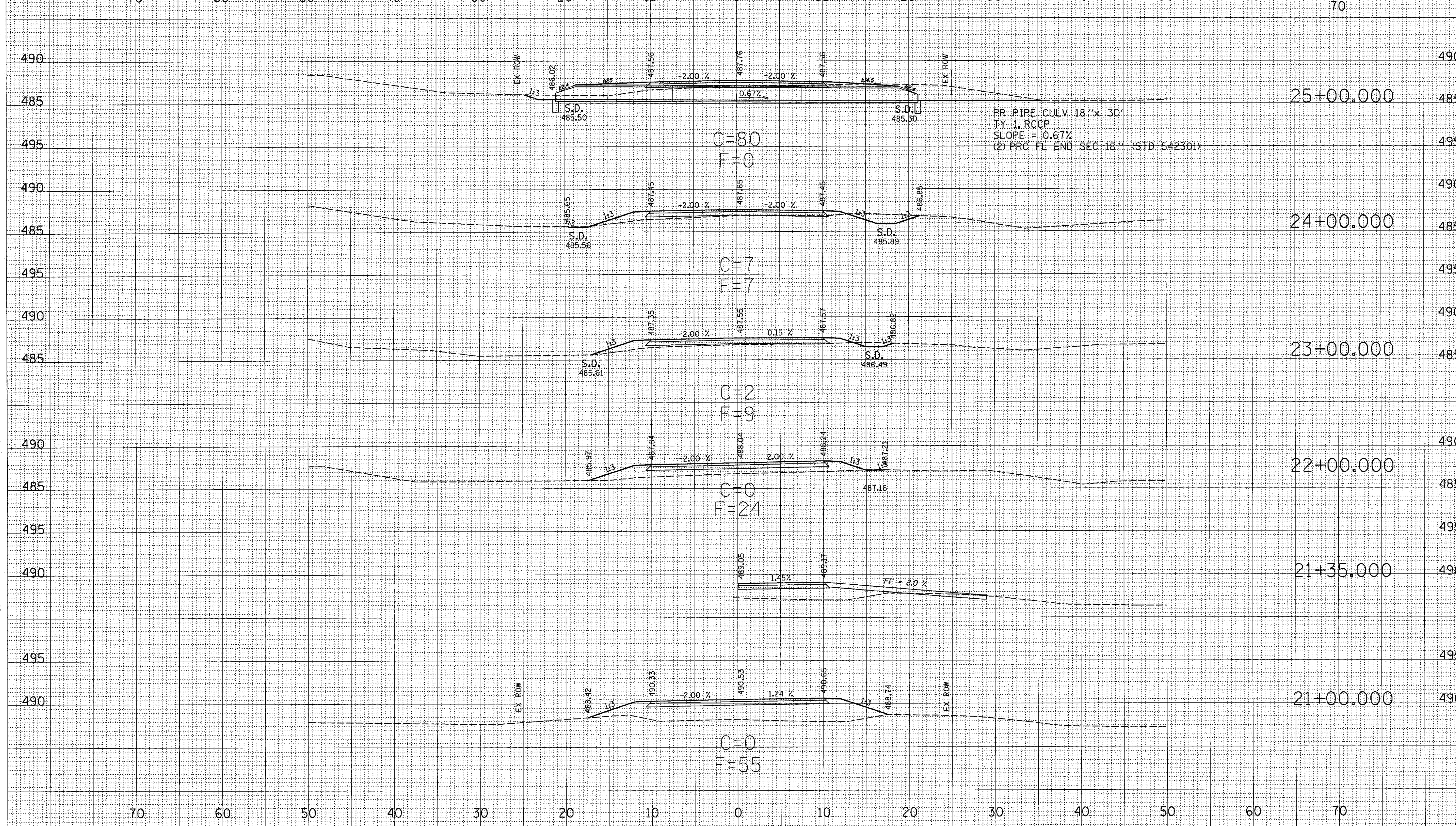
2/5/2024
*REF01

D6 PROJECT: D654196 FILE: DETAILS .DGN

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	55

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



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SANDRIDGE (PRS001)

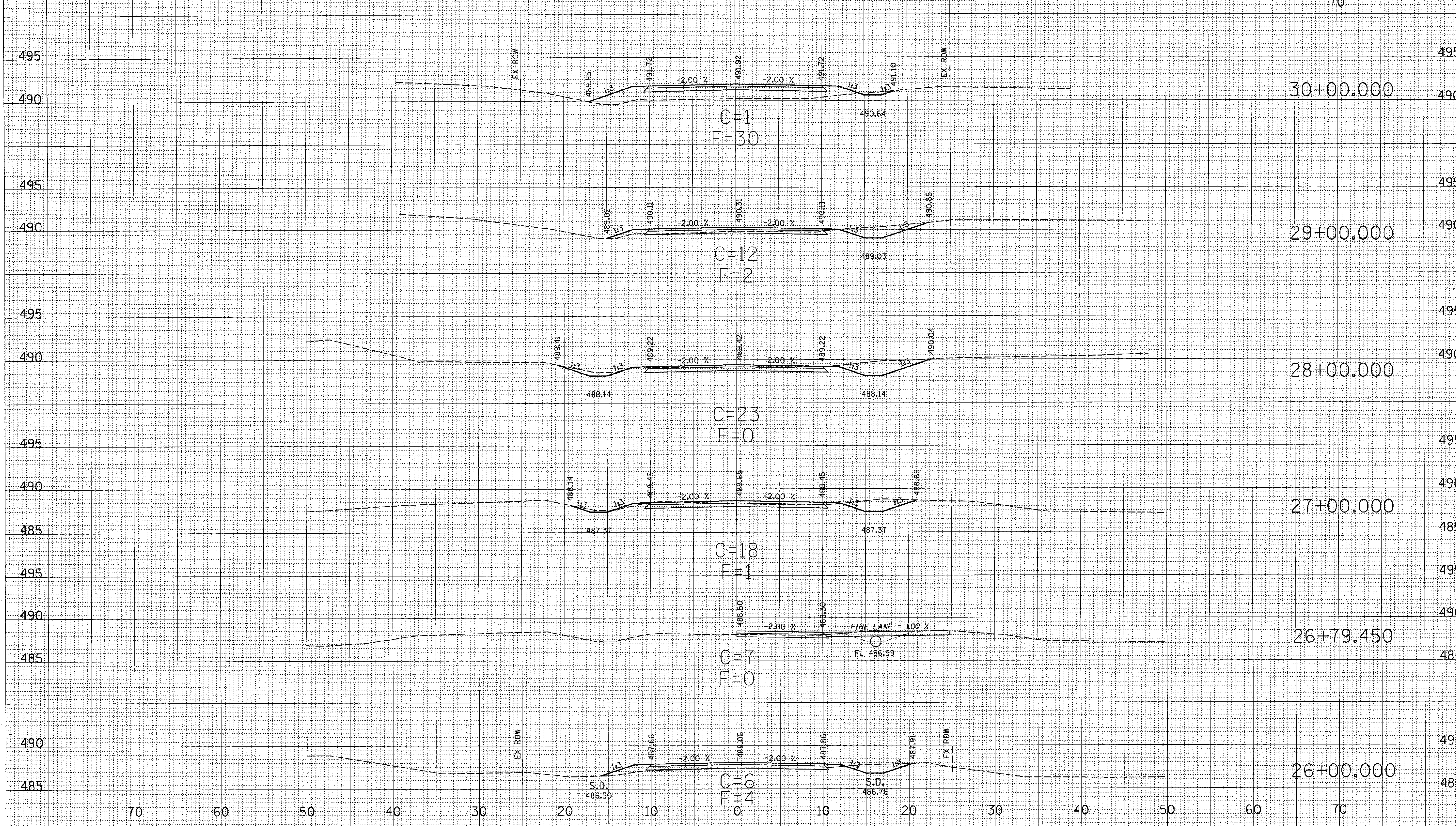
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	56

STA.	TO STA.

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT

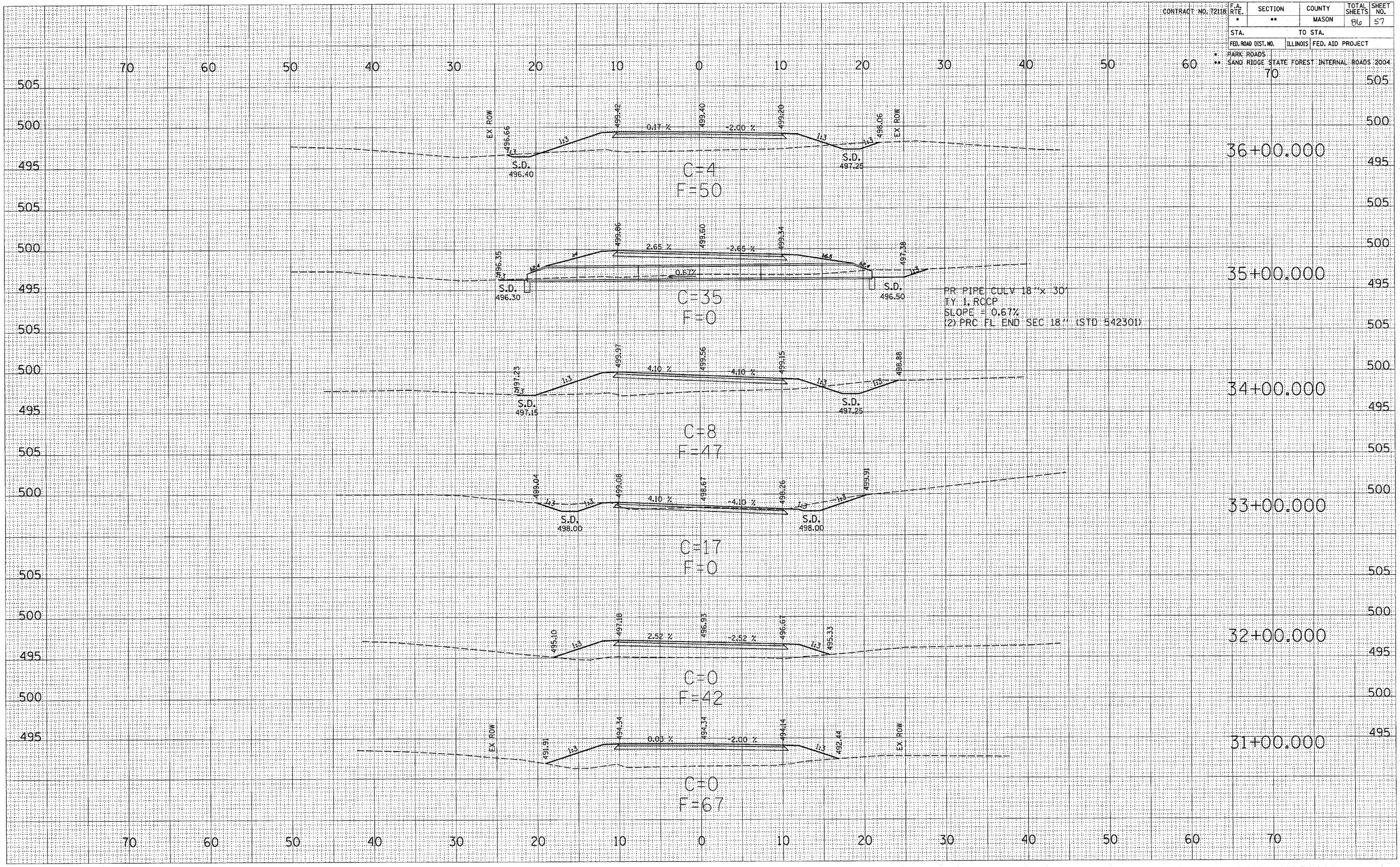
* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	57
STA.	TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	58
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

505 500 495 510 505 500 495 505 500 495 510 505 500 495

EX. ROW 496.17 1:3 497.99 -2.00 % 498.19 -2.00 % 497.99 1:3 EX. ROW
S.D. 496.30
41+00.000
C=0
F=48

499.75 1:3 1:3 498.32 -2.00 % 498.52 -1.14 % 498.64 1:3 1:3 498.50
497.24 497.56
40+00.000
C=26
F=4

501.93 1:3 1:3 498.31 -4.77 % 498.79 5.06 % 499.39 1:3 1:3 499.37
S.D. 498.10 498.22
39+00.000
C=40
F=0

501.07 1:3 1:3 498.75 -2.52 % 499.00 2.52 % 499.25 1:3 1:3 499.19
S.D. 497.53 498.17
38+00.000
C=35
F=4

EX. ROW 498.75 1:3 1:3 499.00 -2.00 % 499.20 -1.27 % 499.07 1:3 1:3 499.69 EX. ROW
S.D. 496.97 S.D. 497.99
37+00.000
C=15
F=16

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	59
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED — BY — DATE

PATCH SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED — BY — DATE

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

500 495 505

EX ROW — 1:3 — 496.64 — -2.00 % — 496.84 — -2.00 % — 496.64 — 1:3 — 1:3 — 495.48 — EX ROW

S.D. 494.86 — S.D. 495.00

C=2.35
F=28.76

45+00.000

1:3 — 496.98 — -2.00 % — 497.18 — -2.00 % — 496.98 — 1:3 — 494.82

S.D. 494.73 — S.D. 494.80

C=0.29
F=46.09

44+00.000

FIRE LANE + 8.0 % — 497.20 — -2.00 % — 497.40

494.44

C=15
F=95

43+36.160

494.84 — 497.32 — -2.00 % — 497.52 — -2.00 % — 497.32 — 494.72

S.D. 494.60 — S.D. 494.60

C=25
F=0

43+00.000

PR PIPE CULV 18"x 30'
TY 1, RCCP
SLOPE = 0%
(2) PRC FL END SEC 18" (STD 542301)

MATCH-LINE — 496.34 — PARKING AREA 0.11% — 496.25 — 1:3

70 80 90 100 110 120 130 140 150 160 170 180 190

EX ROW — 497.66 — -2.00 % — 497.86 — -2.00 % — 497.66 — EX ROW — PARKING AREA 4.0% — 20' V.C. — MATCH-LINE

S.D. 495.27 — 495.09

C=15
F=95

42+00.000

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	60
	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

510 505 500 495

501.30 EX ROW 499.53 495.73 499.53 500.08 EX ROW
1:3 1:3 1:3 1:3
-2.00 % -2.00 %
498.45 S.D. 498.27
C=47
F=0
50+00.000

499.41 498.35 498.55 498.35 498.28
1:3 1:3 1:3 1:3
-2.00 % -2.00 %
497.27 S.D. 496.93
C=20
F=7
49+00.000

497.41 496.89 497.09 496.89 495.79
1:3 1:3 1:3 1:3
-2.00 % -2.00 %
495.81 S.D. 495.60
C=11
F=7
48+00.000

496.88 496.20 496.40 496.20 495.72
1:3 1:3 1:3 1:3
-2.00 % -2.00 %
S.D. 495.12 S.D. 495.40
C=17
F=0
47+00.000

EX ROW 496.56 496.31 496.51 496.31 496.01 EX ROW
1:3 1:3 1:3 1:3
-2.00 % -2.00 %
S.D. 494.99 S.D. 495.20
C=14
F=4
46+00.000

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

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

SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	61
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

PRIOR SURVEY NOTE BOOK	SURVEYED	DATE
	PLOTTED	BY
	TYPING & ETC.	
	AREAS	
NO.	AREAS CHECKED	

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

505 500 495 505 500 495 505 500 495 505 500 495 510 505 500 510 505 500

55+00.000

EX. ROW 494.16 1:3 495.67 -2.00 % 496.07 -2.00 % 495.67 1:3 494.41 EX. ROW

C=0
F=52

54+76.530

FIRE LANE - 8.0 % 496.22 -2.00 % 496.42 496.28

54+00.000

496.46 1:3 497.36 -2.00 % 497.56 -2.00 % 497.36 1:3 496.16 496.28

C=1
F=32

53+00.000

498.64 1:3 1:3 498.81 -2.00 % 499.01 -2.00 % 498.81 1:3 1:3 497.93 497.73 497.73

C=5
F=20

52+00.000

500.38 1:3 1:3 499.76 -2.00 % 499.96 -2.00 % 499.76 1:3 1:3 499.61 498.68 S.D. 498.68

C=31
F=0

51+00.000

502.02 EX. ROW 1:3 1:3 500.00 -2.00 % 500.20 -2.00 % 500.00 1:3 1:3 501.20 EX. ROW 498.92 S.D. 499.60

C=62
F=0

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	62
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

500 495 490

EX ROW

495.39 -2.00 % 495.19 FE 8.0% EX ROW

FL 491.71

57+42.660

494.90 0.03 % 494.90 -2.00 % 494.70

4:1 4:1 4:1 4:1

S.D. 491.50 S.D. 491.50

57+00.000

PR PIPE CULV 18"x 30"
TY 1, RCCP
SLOPE = 0%
(2) PRC FL END SEC 18" (STD 542301)

C=14
F=36

494.66 -2.00 % 494.46 SAND ROAD 6.0%

FL 491.94

56+56.320

EX ROW

492.38 494.61 -1.61 % 494.77 -2.00 % 494.57 492.59 EX ROW

4:1 4:1

S.D. 492.37 S.D. 492.49

56+00.000

C=0
F=57

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

SANDRIDGE (PRS001)

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

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

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	63
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

61+00.000

C=19
F=50

60+00.000

C=24
F=91

59+59.610

59+00.000

C=19
F=134

58+00.000

C=0
F=133

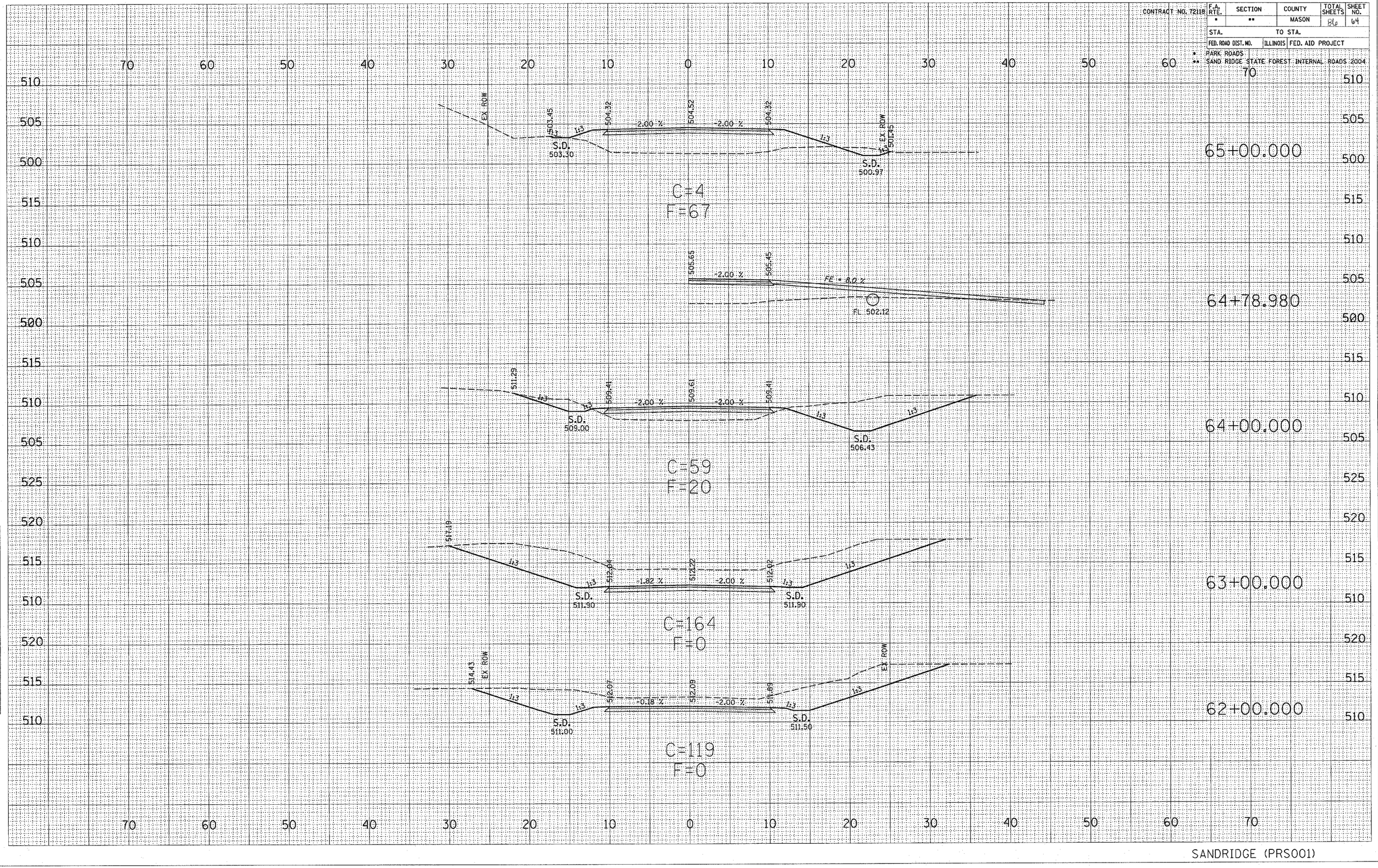
SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	64
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

CHECK SURVEY NOTE BOOK NO.
SURVEYED
PLOTTED
TYPED
AREAS
AREAS CHECKED
DATE



CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	65
	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

70+00.000

EX ROW 499.13 1:3 1:3 496.52 -2.00 % 498.72 -2.00 % 498.52 1:3 1:3 EX ROW 501.26
497.44 497.44
C=35
F=3

69+00.000

497.26 1:3 1:3 497.74 -2.00 % 497.94 -2.00 % 497.74 1:3 1:3 498.35
496.66 496.66
C=6
F=15

68+00.000

496.13 1:3 1:3 497.02 -2.00 % 497.22 -2.00 % 497.02
S.D. 495.94 S.D. 495.07
C=1
F=29

67+00.000

497.62 NH 497.82 -2.00 % -2.00 % 497.62 NH
S.D. 495.20 0.67% S.D. 495.00
C=33
F=13

PR PIPE CULV 18"x 30"
TY 1, RCCP
SLOPE = 0.67%
(2) PRC FL END SEC 18" (STD 542301)

66+00.000

EX ROW 498.00 1:3 1:3 500.05 -2.00 % 500.25 -2.00 % 500.05 1:3 1:3 EX ROW
S.D. 497.60 S.D. 495.50
C=6
F=74

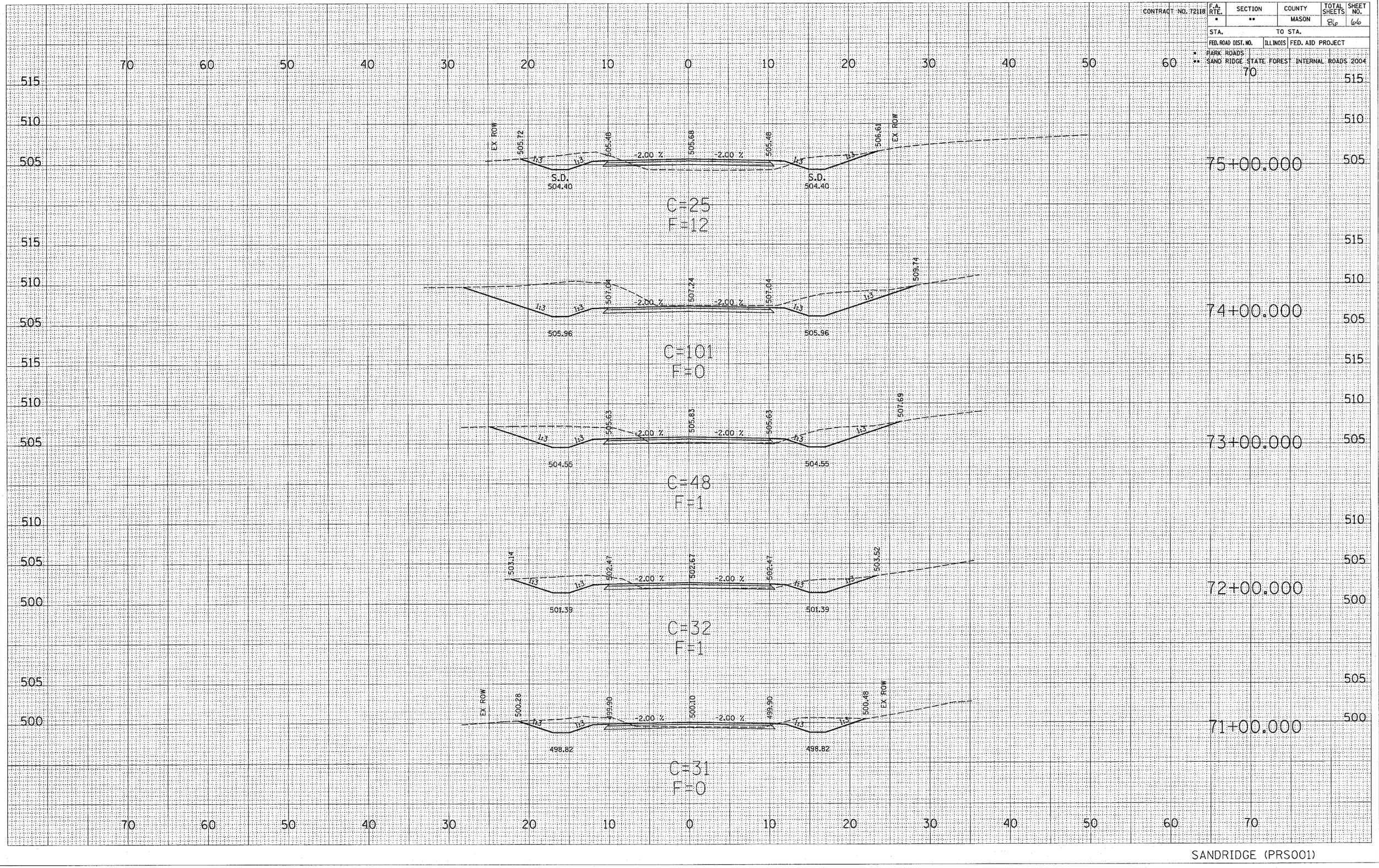
SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	84	66
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

EXISTING SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TRANSCRIBED
	AREAS
	AREAS CHECKED



CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	67
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

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

100 90 80 70 60 50 40 30 20 10 0 10 20 30 40

505 500 495 505 500 495 505 500 495 505 500 495 510 505 500

WALKER'S PRIVATE DRIVE

20' V.C.
PE

1.081 %

EX. ROW

4.00 %

496.15

-2.00 %

496.35

EX. ROW

FL 494.08

79+01.660

494.94

1:3

496.16

-2.00 %

496.36

-2.00 %

496.16

1:3

494.16

S.D.
494.40

79+00.000

C=2
F=40

494.64

496.88

-2.00 %

497.08

-2.00 %

496.88

494.42

S.D.
494.30

S.D.
494.30

78+00.000

C=14
F=15

PR PIPE CULV 18"x 30'
TY 1, RCCP
SLOPE = 0%
(2) PRC FL END SEC 18" (STD 542301)

496.22

496.67

-2.00 %

496.87

-2.00 %

496.67

496.96

S.D.
495.00

S.D.
495.00

77+00.000

C=20
F=66

EX. ROW

500.29

501.66

-2.00 %

501.86

-2.00 %

501.66

501.38

EX. ROW

S.D.
499.70

S.D.
499.70

76+00.000

C=11
F=38

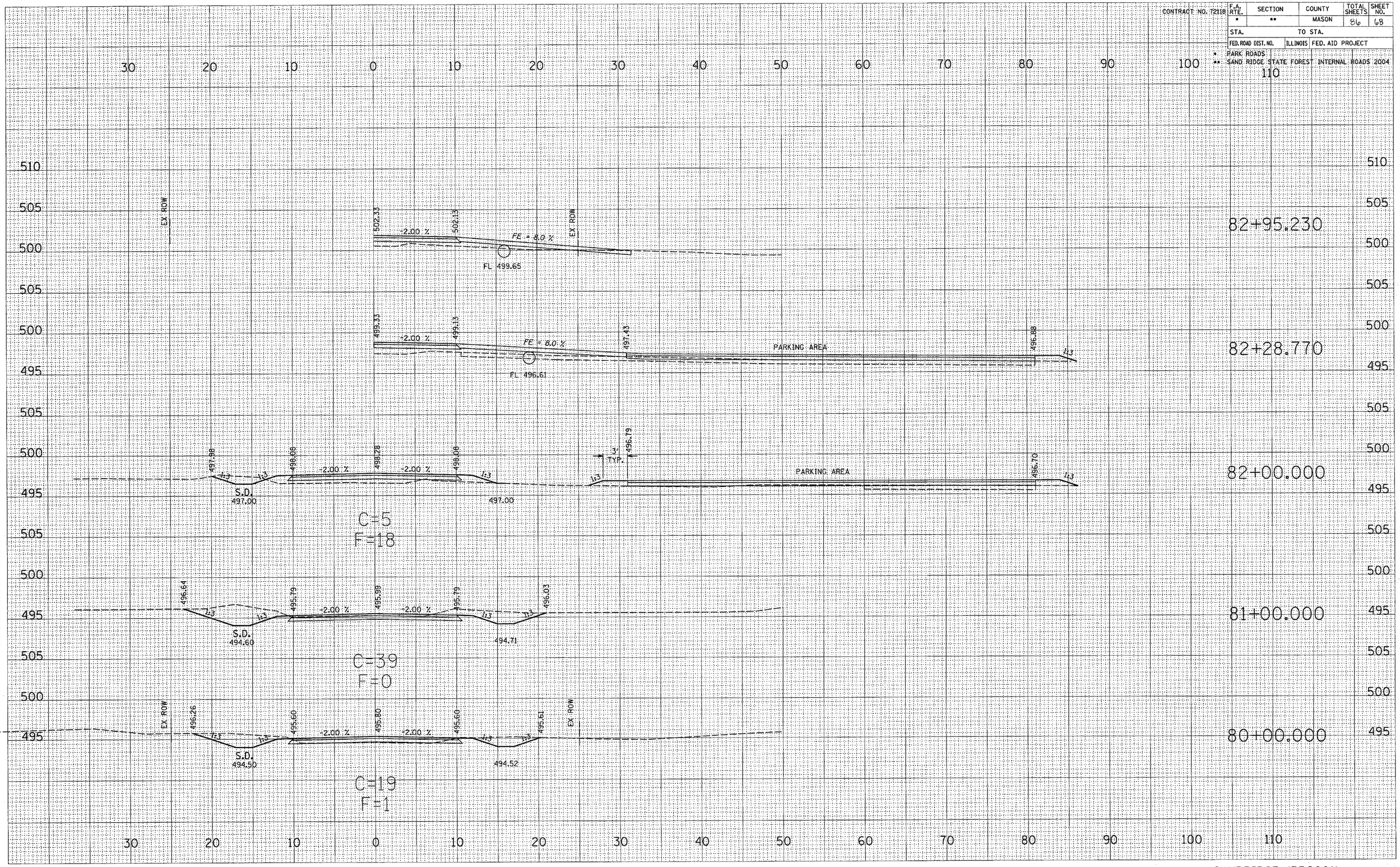
SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	68
STA.	TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

ORIGIN SURVEY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

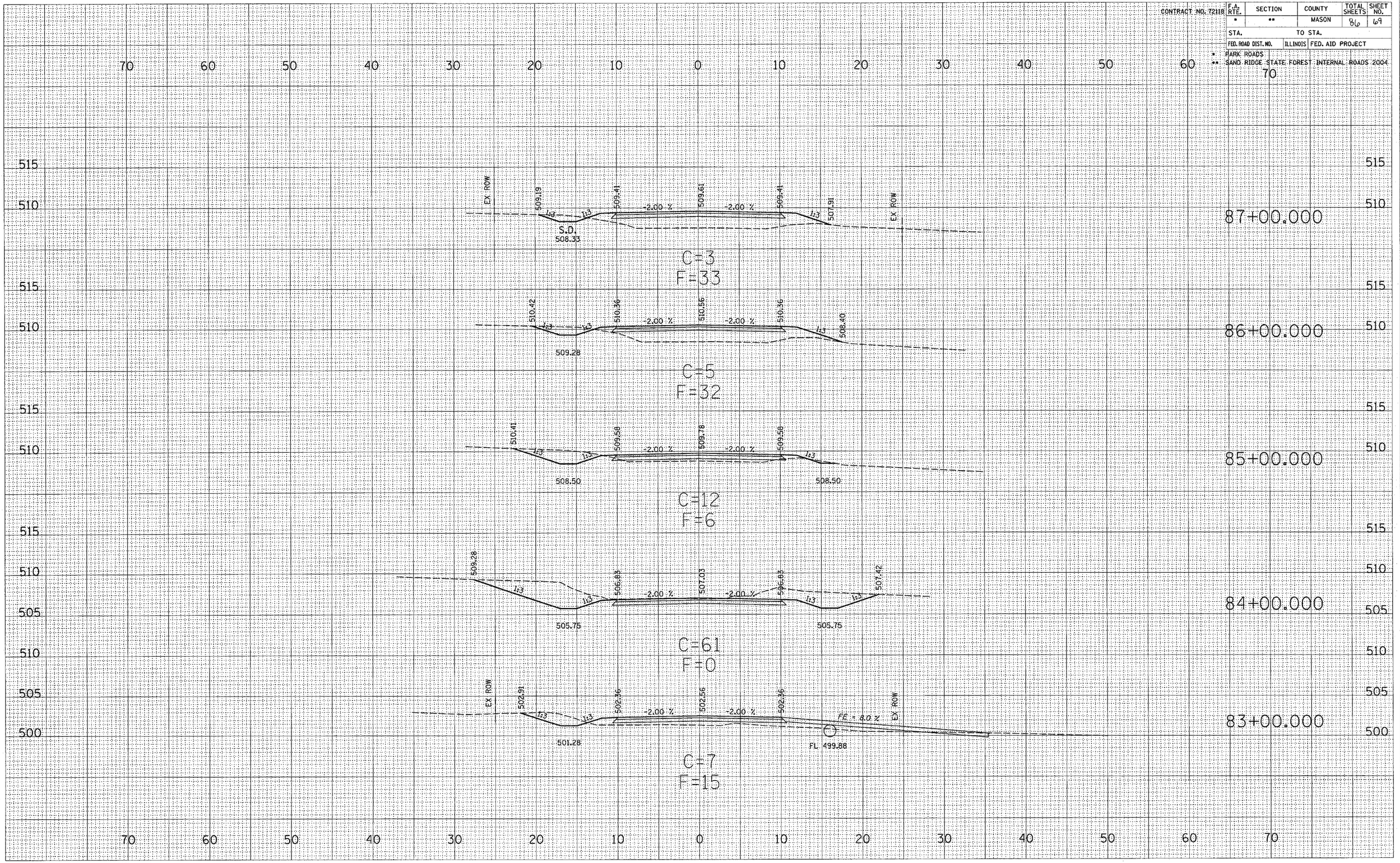


CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	69
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

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



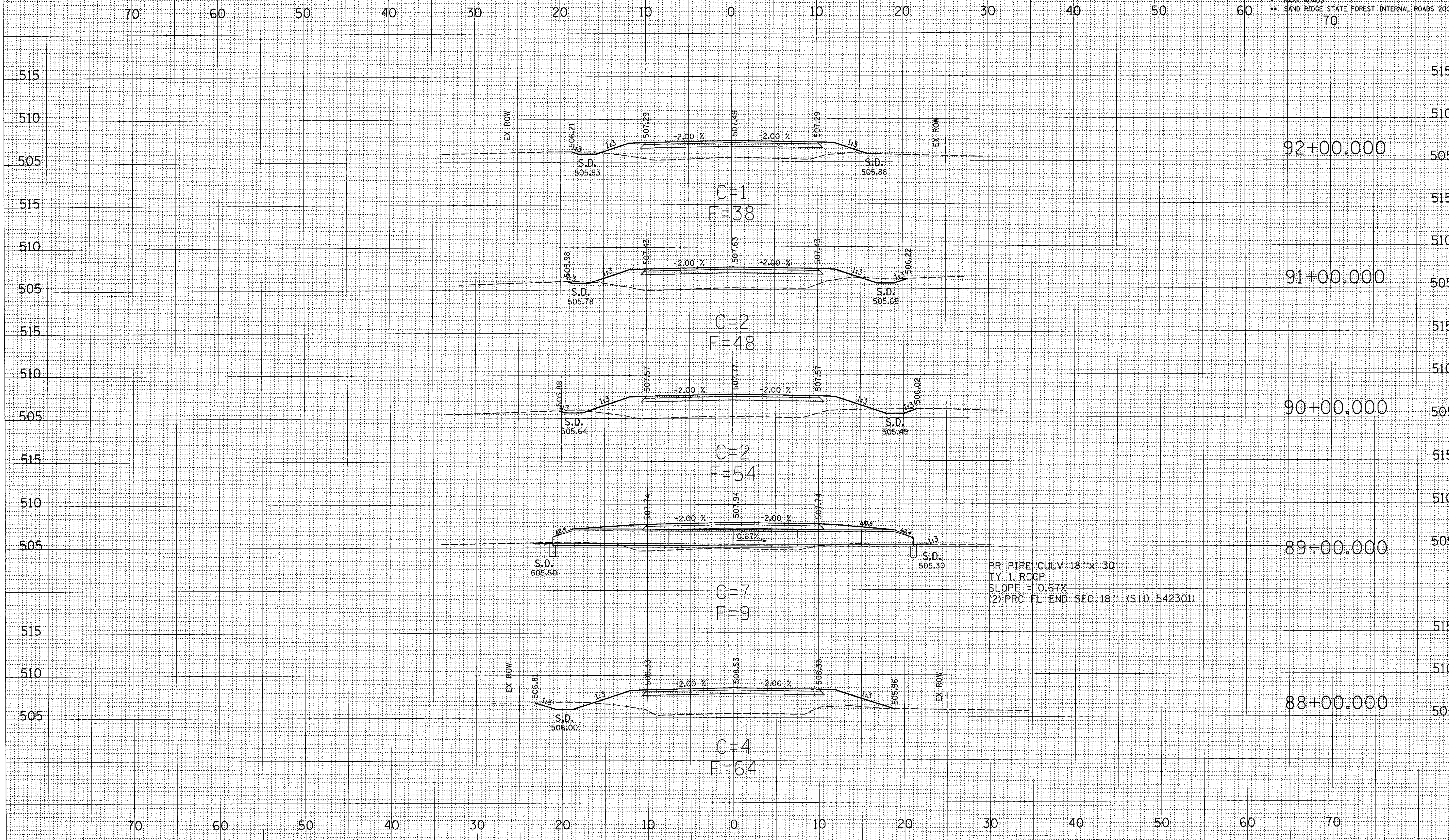
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	70

STA. TO STA.

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	71
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

515 510 505

EX ROW 506.18 1:3 1:3 507.76 0.73 % 507.68 -2.00 % 507.48 1:3 1:3 505.71 EX ROW
S.D. 505.50 S.D. 505.00
96+00.000

C=6
F=64

507.45 -2.00 % 507.25 FE = 8.0 %
FL 504.37
95+69.230

507.10 -0.55 % 507.15 -2.00 % 506.95
0.67%
S.D. 504.70 S.D. 504.50
95+00.000

PR PIPE CULV 18"x 30'
TY 1, RCCP
SLOPE = 0.67%
(2) PRC FL END SEC 18" (STD 542301)

C=35
F=0

506.58 507.03 -1.82 % 507.21 -2.00 % 507.01 505.58
S.D. 505.38 S.D. 505.28
94+00.000

C=8
F=25

EX ROW 506.71 507.15 -2.00 % 507.35 -2.00 % 507.15 506.54 EX ROW
S.D. 506.07 S.D. 506.07
93+00.000

C=5
F=21

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	72
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

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

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

510 505 500 515 510 505 515 510 505 515

EX ROW 504.02 1:3 1:3 505.26 -1.20 % 505.38 1.20 % 505.50 1:3 1:3 EX ROW 502.08
S.D. 503.00 S.D. 501.50

100+00.000

C=7
F=77

507.37 1:3 1:3 507.59 0.45 % 507.55 -0.45 % 507.50 1:3 1:3 505.62
S.D. 506.51 S.D. 504.45

99+00.000

C=13
F=24

508.60 1:3 1:3 508.88 2.07 % 508.68 -2.07 % 508.48 1:3 1:3 508.85
507.81 S.D. 507.40

98+00.000

C=20
F=1

508.38 1:3 1:3 508.65 2.00 % 508.55 -2.00 % 508.45 1:3 1:3 508.56
S.D. 507.77 S.D. 507.37

97+00.000

C=9
F=8

EX ROW FE = 8.0 % 508.01 1.02 % 507.90 EX ROW
FL 505.29

96+23.390

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	73
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

105+00.000

EX ROW 505.04 1:3 1:3 506.07 3.60 % 505.71 -3.60 % 505.35 1:3 1:3 504.65 EX ROW
S.D. 504.62
S.D. 504.27
C=3
F=28

104+00.000

504.77 1:3 1:3 505.00 1.42 % 504.86 -1.42 % 504.72 1:3 1:3 503.50
S.D. 503.92
S.D. 502.83
C=6
F=34

103+00.000

502.12 1:3 1:3 503.90 -0.96 % 504.00 0.96 % 504.10 1:3 1:3 501.59
S.D. 501.20
S.D. 501.40
C=5
F=60

102+00.000

1:3 502.97 -3.32 % 503.30 3.32 % 503.62 1:3 1:3 501.54
S.D. 501.20
C=1
F=61

101+00.000

EX ROW 503.43 -2.83 % 503.71 2.83 % 503.99 EX ROW
1:3 4:1 4:1 1:3
S.D. 501.00
S.D. 501.00
C=4
F=25

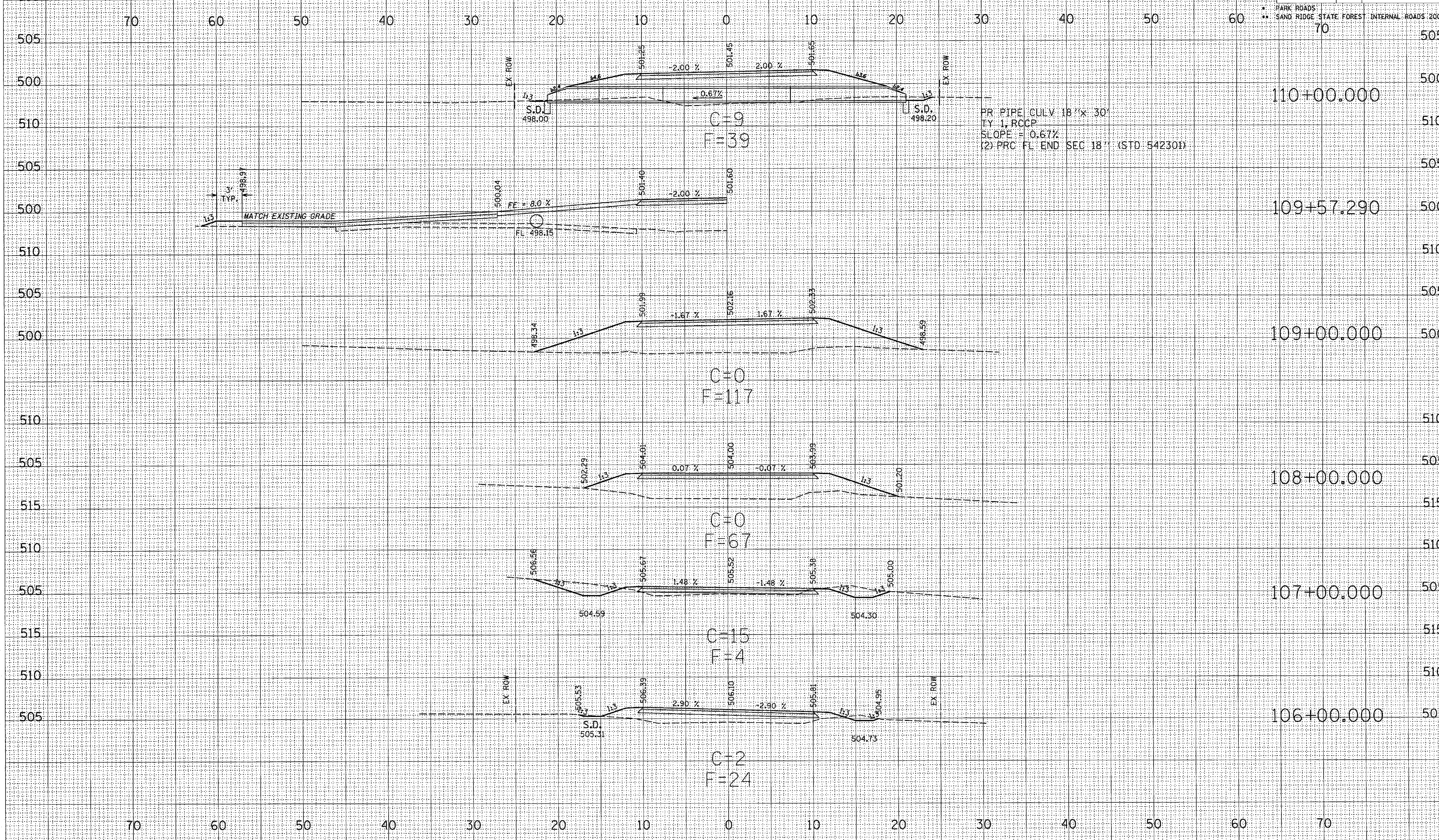
PR PIPE CULV 18"x 30"
TY 1, RCCP
SLOPE = 0%
(2) PRC FL END SEC 18" (STD 542301)

SANDRIDGE (PRS001)

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

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	74
	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	•	••	MASON	86	75
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

515 510 505

EX ROW 504.75 1:3 505.69 -2.00 % 505.89 -2.00 % 505.69 1:3 504.74 EX ROW
504.61 504.61
115+00.000
C=1
F=32

505.34 1:3 506.19 -2.00 % 506.39 -2.00 % 506.19 1:3 505.79
S.D. 505.11 505.11
114+00.000
C=4
F=3

503.41 1:3 505.36 -2.00 % 505.56 -1.20 % 505.44 1:3 504.36
S.D. 502.56
113+00.000
C=6
F=25

500.85 1:3 503.53 -1.99 % 503.73 0.01 % 503.73 1:3 501.92
S.D. 500.00
112+00.000
C=5
F=63

EX ROW 498.90 1:3 501.89 -1.39 % 502.03 1.22 % 502.15 1:3 500.00 EX ROW
S.D. 498.50
111+00.000
C=2
F=76

515 510 505 500

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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

SANDRIDGE (PRS001)

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	76
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

ORIGIN SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

520 515 510 505 500

EX ROW
509.26
508.66
508.70
508.50
511.40
EX ROW
-2.00 %
-2.00 %
1:3
1:3
1:3
1:3
507.42
507.42

119+00.000

C=76
F=0

509.23
508.89
509.09
508.89
509.81
-2.00 %
-2.00 %
1:3
1:3
1:3
1:3
507.81
507.81

118+00.000

C=22
F=4

FE = 8.0 %
501.56
507.76
-2.00 %
FL 504.08

117+22.000

C=0
F=120

503.58
EX ROW
1:3
501.06
507.26
507.06
502.98
-2.00 %
-2.00 %
1:3

117+00.000

505.59
505.79
505.59
EX ROW
EX ROW
-2.00 %
-2.00 %
1:3
1:3
0.67%
S.D.
503.200
S.D.
503.000

116+00.000

C=5
F=18

PR PIPE CULV 18"× 30"
TY 1, RCCP
SLOPE = 0.67%
(2) PRC FL END SEC 18" (STD 542301)

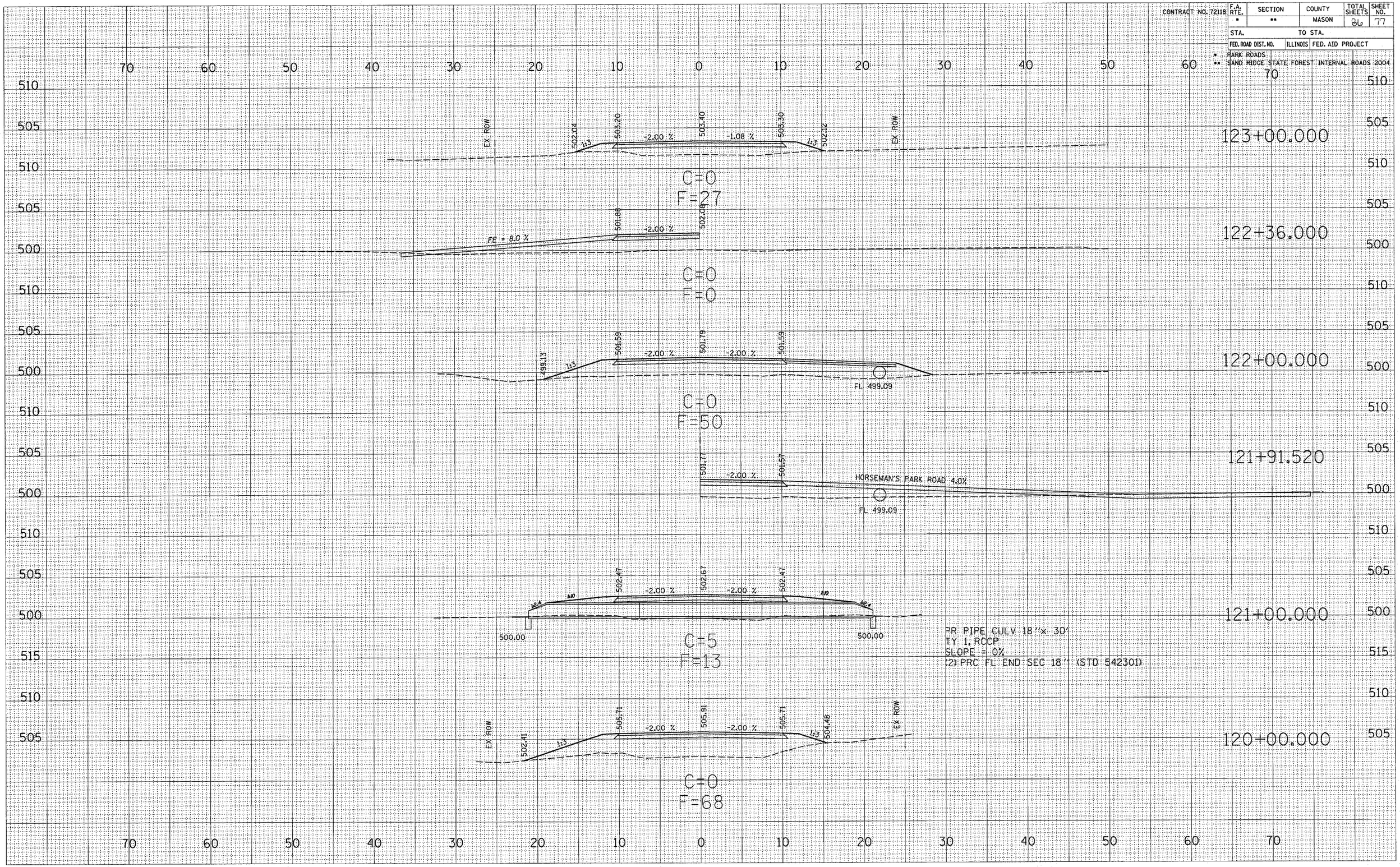
SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	77
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	B
NO.	TYPING DATE	
	AREAS	
	AREAS CHECKED	



SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	78
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

ORIGIN. SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	AREAS CHECKED	

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

525 520 515 510 505

EX. ROW

513.42 513.63

2.10 % SAND LANE = 2.20 % EX. ROW

126+07.000

512.08 512.16 513.37 513.59

1:3 1:3 -2.10 % 2.10 % SAND LANE = 2.20 %

126+00.000

C=96
F=0

514.58 514.27 511.47 511.61

1:3 1:3 -2.00 % 1.47 % HORSEMAN'S PARK RD = 1.50%

510.19

125+00.000

C=69
F=1

511.31 511.45

1.40 % HORSEMAN'S PARK RD = 1.50%

124+94.780

EX. ROW 508.14 507.90 507.50 507.52 507.70 EX. ROW

1:3 1:3 -2.00 % 0.19 % 1:3 1:3

506.22 506.44

124+00.000

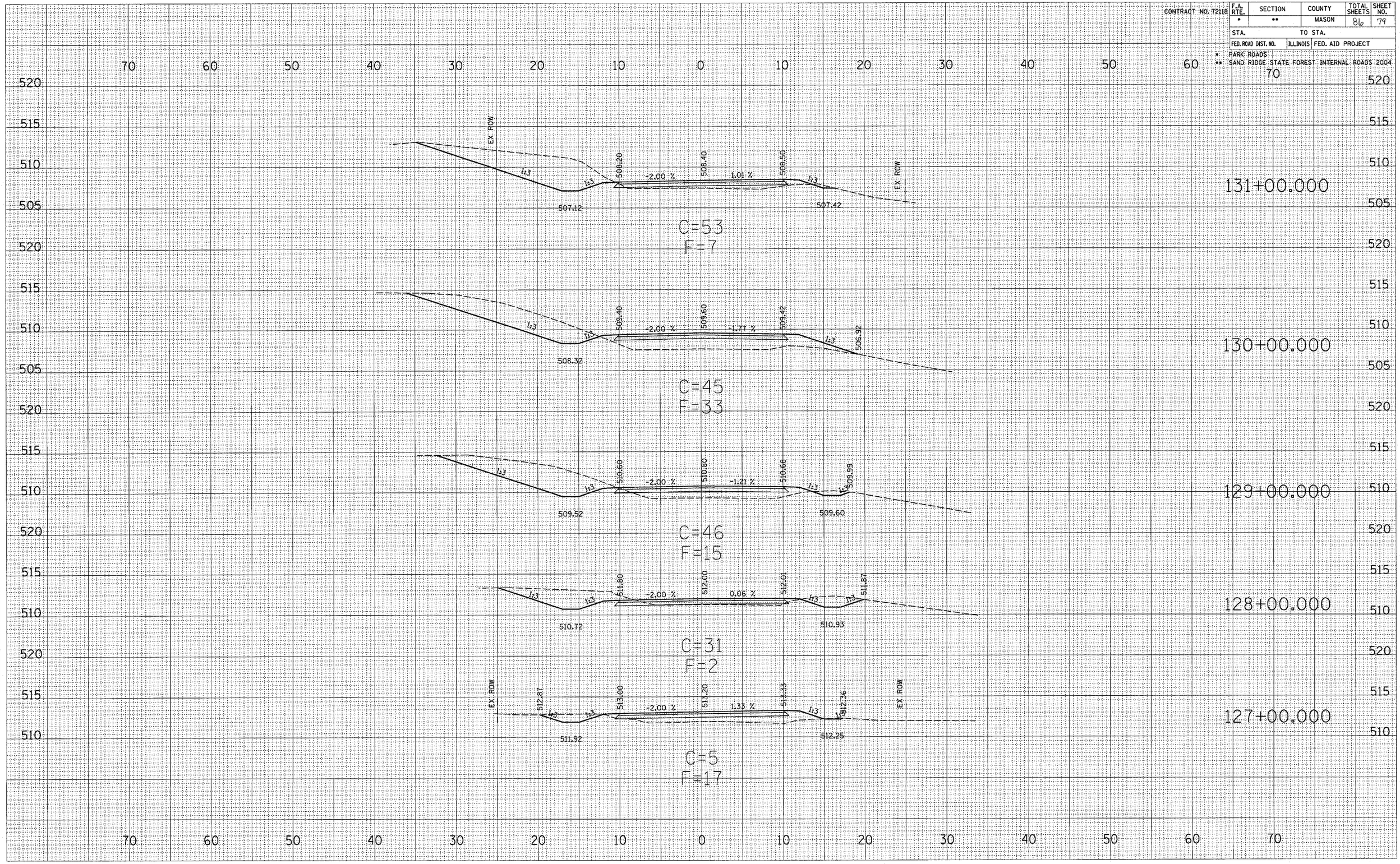
C=26
F=3

SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	79
	STA.		TO STA.		
	FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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



CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	80
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

515 510 505 500

136+00.000

EX ROW 502.90 — 1:3 — 507.31 — 5.13 % — 506.80 — -5.13 % — 506.28 — 1:3 — 1:3 — 507.47 — EX ROW

S.D. 505.20

C=11
F=53

135+00.000

506.97 — 5.34 % — 505.54 — -5.34 % — 505.01 — 4% — 4% — 1:3

0.67%

502.30 — S.D. 502.50

C=123
F=27

PR PIPE CULV 18"x 30"
TY 1, RCCP
SLOPE = 0.67%
(2) PRC FL END SEC 18" (STD 542301)

134+00.000

503.90 — 1:3 — 505.21 — 0.53 % — 505.16 — -0.53 % — 505.10 — 1:3 — 1:3 — 505.41

S.D. 504.20

C=5
F=27

133+00.000

505.56 — 1:3 — 1:3 — 505.56 — -4.42 % — 506.00 — 4.42 % — 506.44 — 1:3 — 505.42

504.48 — 505.36

C=5
F=14

132+00.000

509.63 — EX ROW — 1:3 — 1:3 — 506.82 — -3.80 % — 507.20 — 3.80 % — 507.58 — 1:3 — 1:3 — 507.10 — EX ROW

505.74 — 506.50

C=52
F=1

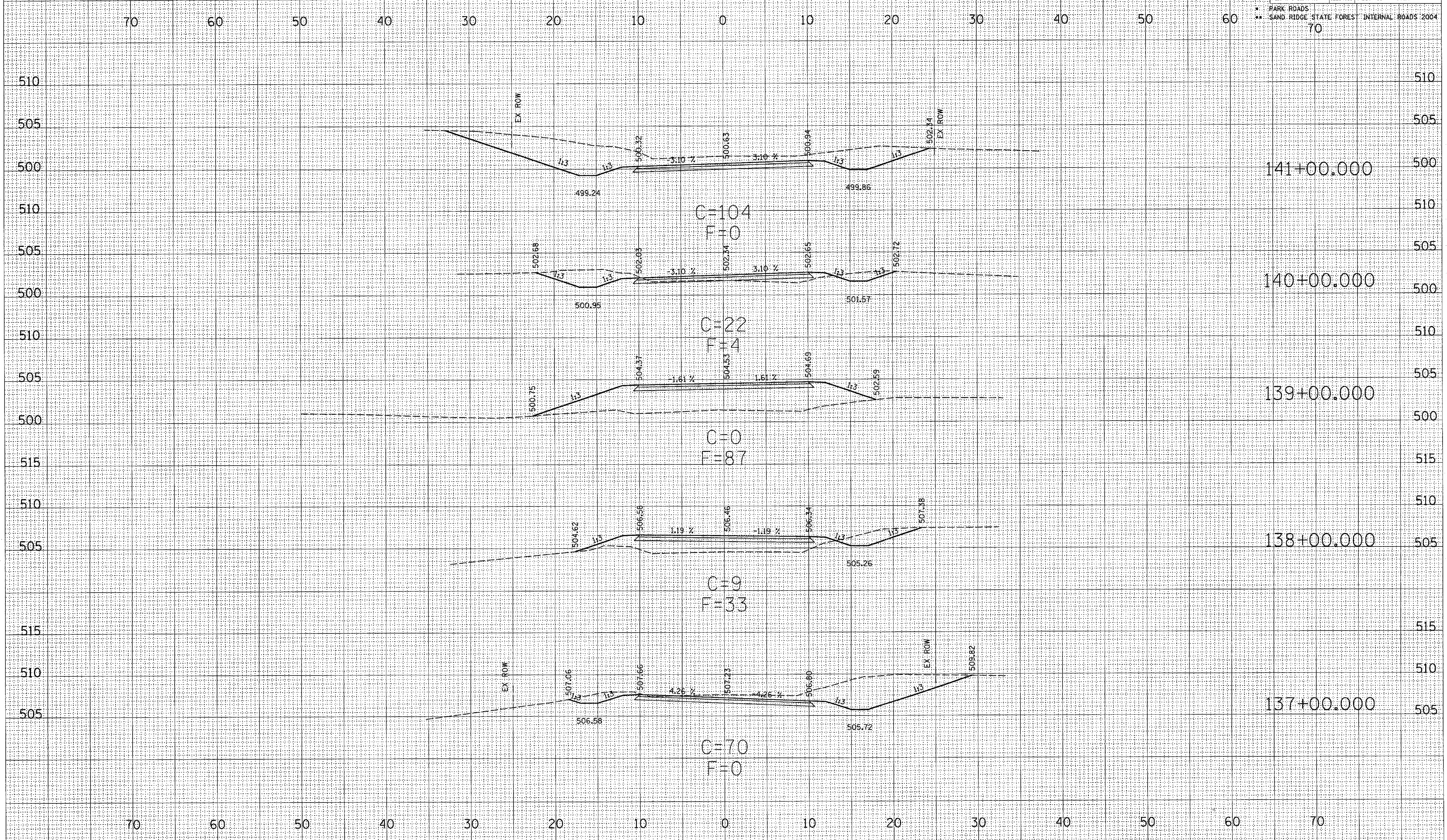
70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

SANDRIDGE (PRS001)

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

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	81
	STA.		TO STA.		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	•	••	MASON	86	82
STA.	TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

• PARK ROADS
•• SAND RIDGE STATE FOREST INTERNAL ROADS 2004

144+00.000

EX. ROW 495.08 1:3 498.51 2.30 % 498.28 2.30 % 498.05 1:3 495.01 EX. ROW

C=0
F=107

MATCH-LINE 3' TYP. 1:3

143+51.900

498.55 -1.78 % 498.37 PARKING AREA = 8.0 % MATCH EXISTING GRADE MATCH-LINE

143+18.840

SAND LANE = 8.0 % 498.85 1.09 % 498.74

143+00.000

496.10 1:3 496.91 0.61 % 498.85 -0.61 % 498.79 1:3 496.13

C=0
F=88

EX. ROW 500.63 1:3 1:3 498.34 1.59 % 498.50 1.59 % 498.65 1:3 1:3 498.53 EX. ROW

142+00.000

498.26 498.57

C=25
F=7

SANDRIDGE (PRS001)

CONTRACT NO. 72118	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	*	**	MASON	86	83
STA.		TO STA.			
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

ORIGIN. SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE AREAS	
	AREAS CHECKED	

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

20' V.C.

EX ROW

EX ROW

149+16.000

495.41 495.64 -4.30 % 496.05 4.30 % 496.45 CE 6.0%

C=8
F=3

149+00.000

495.20 495.57 -4.60 % 496.03 4.60 % 496.49 1:3 495.46

C=1
F=6

148+00.000

1:3 495.39 -5.91 % 495.98 5.91 % 496.57 1:3 495.34

C=0
F=36

147+00.000

494.75 1:3 496.09 -4.60 % 496.55 4.60 % 497.01 1:3 495.21

C=0
F=63

146+00.000

494.77 1:3 497.01 -1.15 % 497.13 1.15 % 497.24 1:3 495.26

C=3
F=31

145+00.000

EX ROW 495.00 1:6 497.91 2.05 % 497.70 -2.05 % 497.50 1:6 495.00 EX ROW

PR PIPE CULV 18"x 30"
TY 1, RCCP
SLOPE = 0%
(2) PRC FL END SEC 18" (STD 542301)

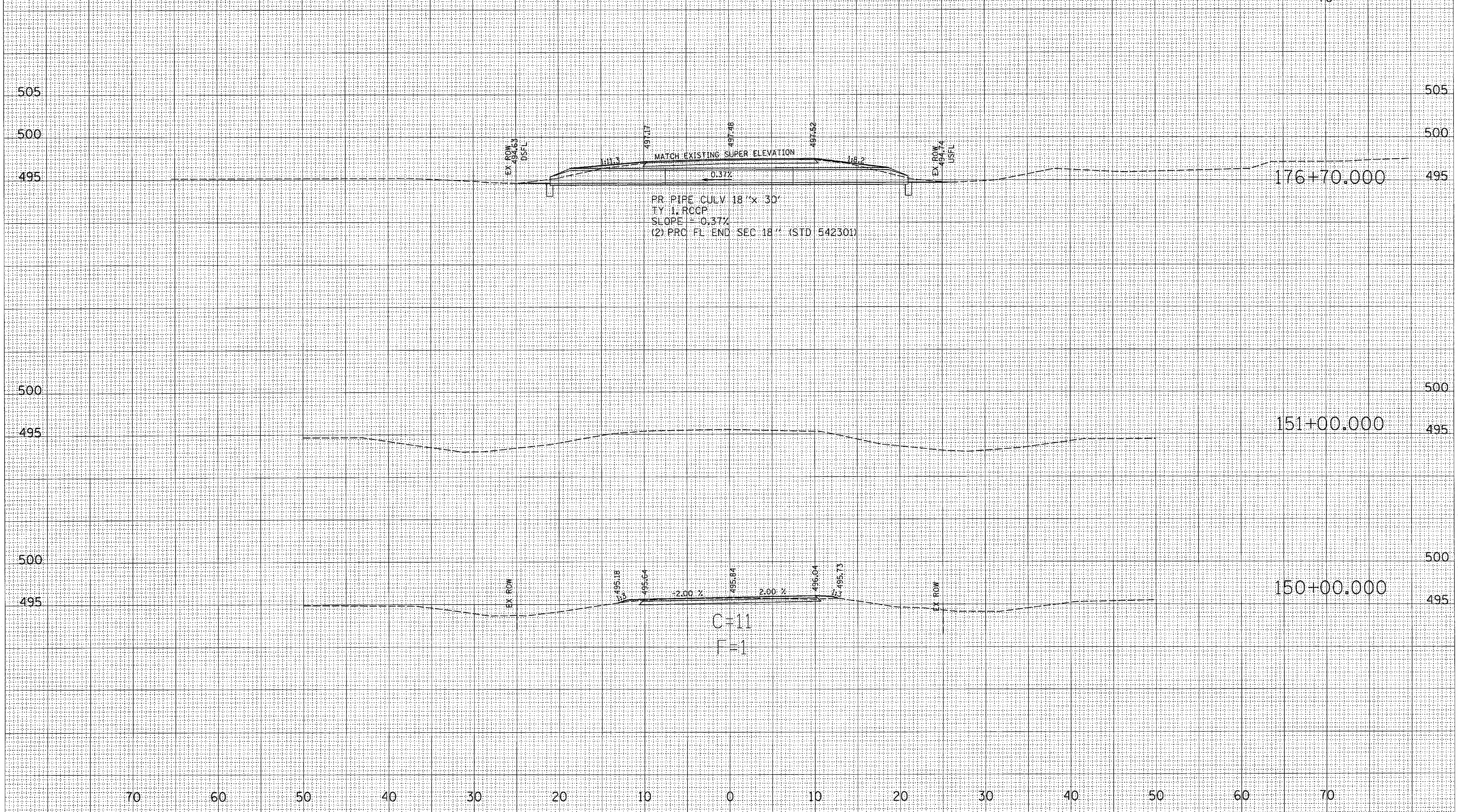
500 495 500 495 505 500 495 500 495 505 500 495 505 500 495

SANDRIDGE (PRS001)

CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	84
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-*-	-**	MASON	84	85

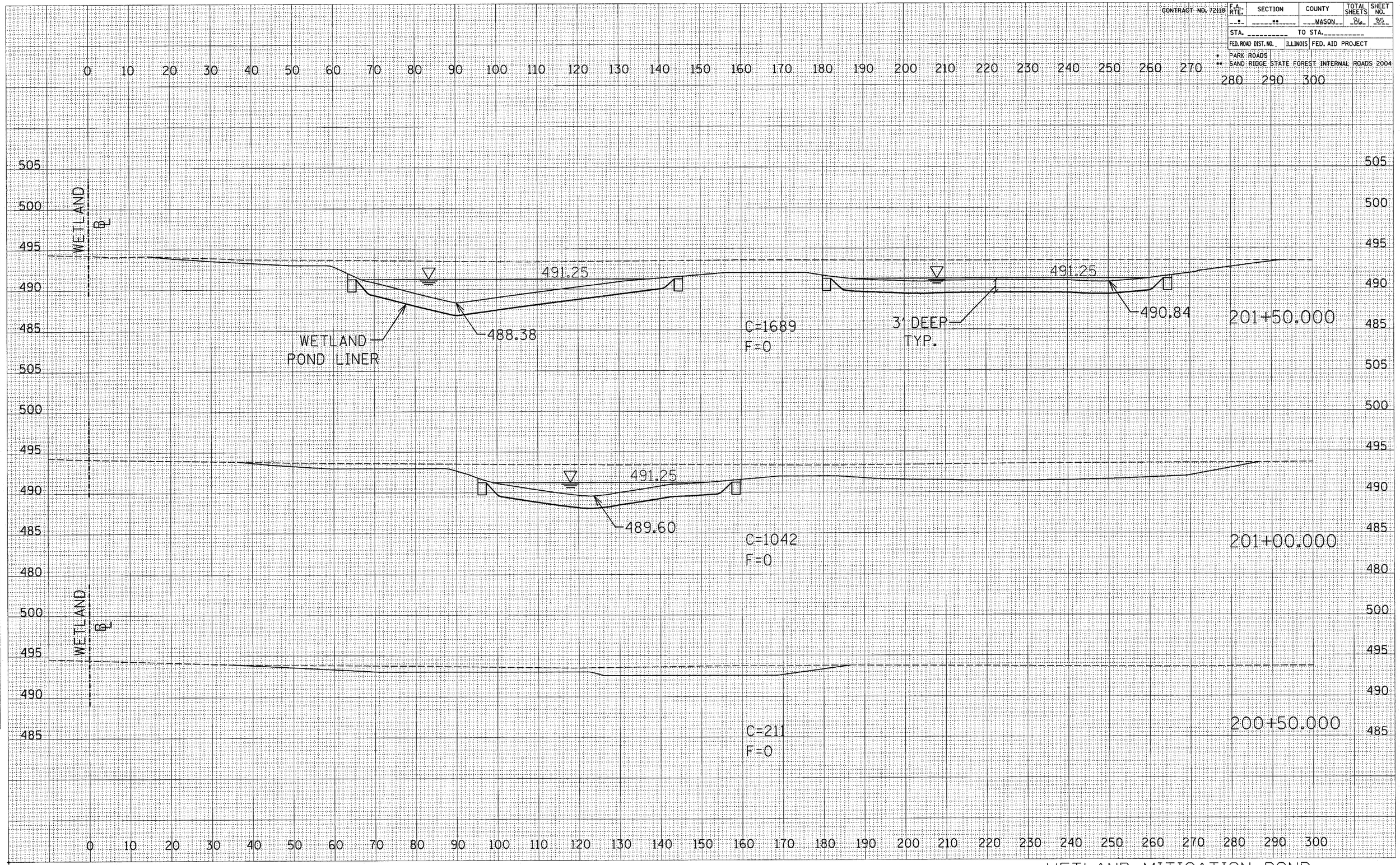
STA. _____ TO STA. _____

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004

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

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



WETLAND MITIGATION POND

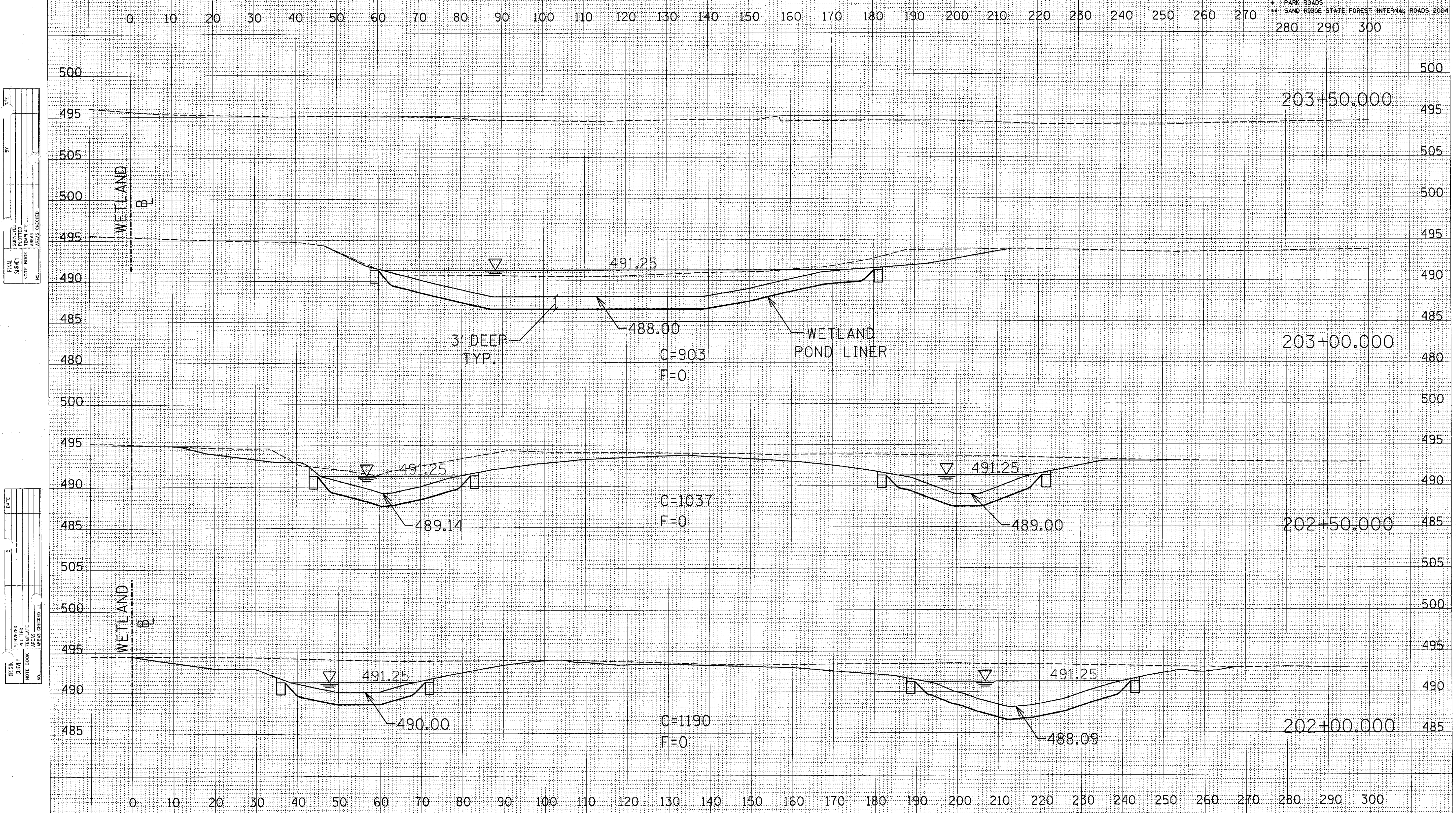
CONTRACT NO. 72118

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MASON	86	86

STA. __________ TO STA. __________

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

* PARK ROADS
** SAND RIDGE STATE FOREST INTERNAL ROADS 2004



WETLAND MITIGATION POND