DESIGN		
INT.	DATE	REASON

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CROSS SECTIONED	
	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	
	ADD'L FILE NAME	
NOTE BOOK		
NO.		

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CROSS SECTIONED	
	ALIGNMENT CHECKED	
	B.M. NOTED	
	STRUCTURE NO'S/ATM'S CHKD	
NOTE BOOK		
NO.		

CHECKS		
INT.	DATE	REASON

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	172
STA. 2245+00.00	TO STA. 1250+00.00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(5,6)Y,RS-2,6BR-7
CONTRACT NO. 94437

STORM SEWERS, CLASS A, TYPE 1 15" = 21 FOOT @ 0.90% SLOPE
TRENCH BACKFILL = 5 CU. YD.

STORM SEWERS, CLASS A, TYPE 1 15" = 125 FOOT @ 1.00% SLOPE
TRENCH BACKFILL = 34 CU. YD.

STORM SEWERS, CLASS A, TYPE 1 15" = 18 FOOT @ 3.50% SLOPE

STORM SEWERS, CLASS A, TYPE 1 24" = 33 FOOT @ 1.00% SLOPE

STORM SEWERS, CLASS A, TYPE 1 18" = 60 FOOT @ 1.00% SLOPE

STORM SEWERS, CLASS A, TYPE 1 18" = 149 FOOT @ 1.00% SLOPE

STORM SEWERS, CLASS A, TYPE 1 15" = 17 FOOT @ 3.50% SLOPE

STORM SEWERS, CLASS A, TYPE 2 15" = 53 FOOT @ 0.90% SLOPE
TRENCH BACKFILL = 36 CU. YD.
PAVEMENT PATCHING, TYPE II 14" = 2 @ 6.1 SQ. YD.

STORM SEWERS, CLASS A, TYPE 1 15" = 30 FOOT @ 3.50% SLOPE
TRENCH BACKFILL = 7 CU. YD.
PAVEMENT PATCHING, TYPE II 14" = 2 @ 5.8 SQ. YD.

STORM SEWERS, CLASS A, TYPE 1 24" = 242 FOOT @ 1.00% SLOPE
TRENCH BACKFILL = 28 CU. YD.

STORM SEWERS, CLASS A, TYPE 1 12" = 38 FOOT @ 0.81% SLOPE
TRENCH BACKFILL = 7 CU. YD.

STA. 220+93.00
MATCH EXISTING

19.14'

50' TAPER

GREGORY DRIVE

OIL & CHIP

CONC.

12"

22"

18"

6"

5"

BUSH

SHRUB 1"

SHRUB 2"

CAST IRON

BUSHES

24'

155.52 C.F. 4.00%

WM

P.C.C. CONC.

8" STEEL

CI

MATCH LINE STA. 2245+00.00

MATCH LINE STA. 1250+00.00

PT STA. 2246+19.90

POT STA. 1246+91.91

STATION EQUATION:
STA. 2246+85.78 (BK) =
STA. 1246+91.91 (AH)

2245+00

2246

1247

1248

1249

220+00

13'

℄ IL RTE. 33
(WEST JOURDAN)

90°12'10"

90°41'57" STORM SEWER REMOVAL = 30 FOOT

ISLAND

B.M. #27

12" RCP

STA. 1248+32.42, 35.42' RT.
FLARED END SECTION
FL = 543.43
TO REMAIN

STA. 1248+57.70, 34.42' RT.
DROP INLET
EP = 545.93
FL = 542.88
INLET TO BE ADJUSTED = 1 EACH

STA. 1249+00.92 ℄ IL RTE. 33 =
STA. 220+00.00 ℄ GREGORY DRIVE

STA. 1249+03.18 ℄ IL RTE. 33 =
STA. 220+00.00 ℄ GREGORY DRIVE

B.M. #27 : STA. 1249+22, 30" RT.
CHISLED "□" ON SOUTH END OF MEDIAN
ELEV. 546.01

STA. 1249+58.66, 34.56' RT.
DROP INLET
EP = 544.61
FL = 542.34
INLET TO BE ADJUSTED = 1 EACH

STA. 1249+90.93, 34.18' RT.
FLARED END SECTION
FL = 542.09
REMOVE EXISTING FLARED END SECTION = 1 EACH

0 20 40
SCALE IN FEET

N

(13) STA. 2245+00, 38.4' RT.
MANHOLES, TYPE A, 4'-DIAMETER,
TYPE 8 GRATE
RIM = 548.06
INV. (N) = 545.22
INV. (W) = 545.27

(14) STA. 2245+05, 15' LT.
INLETS, TYPE B,
TYPE 3 FRAME AND GRATE
RIM = 550.26
INV. (N-S) = 544.74

(15) STA. 2245+10, 35.1' LT.
MANHOLES, TYPE A, 4'-DIAMETER,
TYPE 8 GRATE
RIM = 547.80
INV. (E) = 544.50
INV. (S) = 544.60

(16) STA. 2246+35, 32' LT.
MANHOLES, TYPE A,
4'-DIAMETER, TYPE 8 GRATE
RIM = 547.00
INV. (E) = 542.95
INV. (S) = 542.95
INV. (W) = 543.25
INV. (W-E) = 540.03

(17) STA. 2246+35, 14.5' LT.
INLETS, TYPE A,
TYPE 3 FRAME AND GRATE
RIM = 548.97
INV. (N) = 544.91

(18) STA. 1247+90, 31.5' LT.
MANHOLES, TYPE A, 4'-DIAMETER,
TYPE 8 GRATE
RIM = 545.80
INV. (E-W) = 541.46
INV. (S) = 542.67

(19) STA. 1247+90, 14.5' RT.
INLETS, TYPE A,
TYPE 3 FRAME AND GRATE
RIM = 547.31
INV. = 544.31

(20) STA. 1247+90, 15.0' LT.
INLETS, TYPE B,
TYPE 3 FRAME AND GRATE
RIM = 547.31
INV. = 543.26

(21) STA. 1248+50, 30' LT.
MANHOLES, TYPE A,
5'-DIAMETER, TYPE 8 GRATE
RIM = 545.50
INV. (E) = 540.36
INV. (W) = 540.86

(22) STA. 1248+83.20, 30.1' LT.
MANHOLES, TYPE A, 5'-DIAMETER,
TYPE 3 FRAME AND GRATE
RIM = 546.00
INV. (W-E) = 540.03

(22A) STA. 1250+00, 40.0' RT.
PRECAST REINFORCED CONCRETE
FLARED END SECTION 12"
FL = 542.00

REVISION	DATE	BY

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
2866 CONSTITUTION DRIVE,
SPRINGFIELD, ILLINOIS
PROFESSIONAL DESIGN FIRM NO. 184-00878
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
(217) 793-8844, (217) 753-5227 (FAX) e-mail: greenebradford@sbcglobal.net

COMPUTER FILE NO.
DRAINAGE19-1.DGN
PROJECT: 01256
2/26/10-FAV

RECONSTRUCTION — MILL AND OVERLAY

STATION EQUATION:
STA. 2246+85.78 (BACK) =
STA. 1246+91.91 (AHEAD)

MATCH LINE STA. 2245+00.00
(15) STA. 2245+10, 35.1' LT.
RIM = 548.06
RIM = 547.80

(16) STA. 2246+35, 32' LT.
RIM = 547.00

(18) STA. 1247+90, 31.5' LT.
RIM = 545.80

(21) STA. 1248+50, 30' LT.
RIM = 545.50

(22) STA. 1248+83.20, 30.1' LT.
RIM = 546.00

MATCH LINE STA. 1250+00.00

PROPOSED PROFILE GRADE LINE

EXISTING PROFILE

-1.12%

-1.12%

INV. (E) = 544.50
INV. (S) = 544.60

STORM SEWERS, CLASS A, TYPE 1 15" = 125 FOOT @ 1.00% SLOPE

INV. (S) = 544.28
INV. (W) = 543.25
INV. (E) = 542.95

STORM SEWERS, CLASS A, TYPE 1 18" = 149 FOOT @ 1.00% SLOPE

STORM SEWERS, CLASS A, TYPE 1 18" = 149 FOOT @ 1.00% SLOPE

INV. (S) = 542.67

INV. (E W) = 541.46

STORM SEWERS, CLASS A, TYPE 1 18" = 60 FOOT @ 1.00% SLOPE

INV. (W) = 540.86

INV. (E) = 540.36

INV. (W-E) = 540.03

STORM SEWERS, CLASS A, TYPE 1 24" = 33 FOOT @ 1.00% SLOPE

STORM SEWERS, CLASS A, TYPE 1 24" = 242 FOOT @ 1.00% SLOPE

	2245+00	2245+50	2246+00	2246+50	1247+00	1247+50	1248+00	1248+50	1249+00	1249+50	1250+00
570	550.56	550.22	549.76	549.38	549.06	548.74	548.41	548.14	547.36	547.73	547.49
565	550.68	550.40	550.12	549.84	549.56	549.28	549.00	548.72	548.51	548.23	547.95
560											
555											
550											
545											
540											
535											
530											

	1247+50	1248+00	1248+50	1249+00	1249+50	1250+00
570	547.23	546.97	546.75	546.52	546.27	545.98	545.69	545.38	545.08	544.78
565	547.67	547.39	547.11	546.83	546.55	546.27	545.99	545.72	545.44	545.16

IDOTPP-20 - 1:20 8/07/00

DRAINAGE F.A.P. ROUTE 95 (IL RTE. 33) JASPER COUNTY