STRUCTURE #9
STA. 33+32.92, 33.0' LT
INLET, TYPE G-1
RIM ELEV = 558.85
INV ELEV = 555.40, 12" E (IN)
INV ELEV = 555.20, 12" W (OUT)

STRUCTURE #12
STA. 33+31.86, 52.4' LT
MANHOLE, TYPE A, 5' DIA.
TYPE 8 GRATE
RIM ELEV = 557.32
INV ELEV = 550.64, 15" N (IN)
INV ELEV = 546.75, 24" NW (IN)
INV ELEV = 554.06, 18" NW (IN)
INV ELEV = 554.48, 12" E (IN)
INV ELEV = 542.20, 24" S (OUT)

20.0' - SS, CL A,
TY 1, 18" @ 22.2%

PRECAST FLARED E/S, 18"
STA. 33+51.82, 53.6' LT
INV ELEV = 558.50
STONE RIPRAP, CL A3, 10.7 SY

(E) 33.0'-18" CMP

(E) 12" CMP

CONC. HEADWALL REMOVAL
STA. 35+37.97, 51.2' LT

SS REMOVAL 12" RCP
STA. 35+21.89 TO STA. 36+77.72 LT

155.8' - SS, CL A,
TY 2, 15" @ 3.76%

STRUCTURE #17
STA. 36+77.72, 50.4' LT
MANHOLE, TYPE A, 4'
TYPE 8 GRATE
RIM ELEV = 578.75
INV ELEV = 575.54, 18" N (IN)
INV ELEV = 574.80, 15" E (IN)
INV ELEV = 569.45, 15" S (OUT)

REMOVE MANHOLE
STA. 36+77.72, 50.4' LT

SS REMOVAL 12" CMP
STA. 36+77.72 TO STA. 36+93.49 LT

PROP DITCH FLOW LINE

(E) 351.5'-24" RCP

SS REMOVAL, 12"
STA. 33+31.86 TO STA. 35+21.89 LT

SS REMOVAL 12" CMP
STA. 35+21.89 TO STA. 35+37.97 LT

PROP DITCH FLOW LINE

MATCHLINE STA. 32+00.00

SS REMOVAL, 12"
STA. 33+32.92 LT

PROPOSED
PIPE UNDERDRAIN
6 INCH - 309.1'

17.8' - SS, CL A,
TY 2, 12" @ 4.04%

REMOVE INLET
STA. 33+32.92, 34.7' LT

REMOVE MANHOLE
STA. 33+31.86, 52.44' LT

(E) 104.2'-24" RCP

190.0' - SS, CL A,
TY 2, 15" @ 4.50%

REMOVE MANHOLE
STA. 35+21.89, 51.4' LT

PROPOSED
PIPE UNDERDRAIN
6 INCH - 338.6'

℄ STERLING AVE.

15.0' - SS, CL A,
TY 2, 15" @ 2.67%

SS REMOVAL 12" RCP
STA. 36+77.54 LT

REMOVE INLET
STA. 36+77.54, 35.0' LT

PIPE UNDERDRAIN
6 INCH - 399.0'

PRECAST FLARED E/S, 18"
STA. 36+97.69, 51.5' LT
INV ELEV = 579.84
STONE RIPRAP, CL A3, 10.7 SY

STERLING AVE

35+00

24'

18'

66'

24'

12'

66.0' - SS, CL A,
TY 1, 12" @ 0.74%

PROPOSED
PIPE UNDERDRAIN
6 INCH - 309.4'

REMOVE INLET
STA. 33+33.32, 34.5' RT

SS REMOVAL, 12"
STA. 33+33.12

PROPOSED
PIPE UNDERDRAIN
6 INCH - 338.6'

20.0' - SS, CL A,
TY 1, 18" @ 23.1%

PRECAST FLARED E/S, 18"
STA. 35+41.88, 50.4' LT
INV ELEV = 570.84
STONE RIPRAP, CL A3, 10.7 SY

66.0' - SS, CL A,
TY 1, 12" @ 1.67%

SS REMOVAL 12" RCP
STA. 36+77.09

CONC. HEADWALL REMOVAL
STA. 36+93.49, 50.4' LT

20.0' - SS, CL A,
TY 1, 18" @ 21.5%

PROPOSED
PIPE UNDERDRAIN
6 INCH - 448.6'

MATCHLINE STA. 38+00.00

8" SAN.

8" SAN.

EXIST. R.O.W.

STONE RIPRAP, CL A4
W/ FILTER FABRIC, 233.3 SY
STA. 31+78.00 TO 33+50.00 RT
SEE DRAINAGE DETAIL

STRUCTURE #3
STA. 33+33.32, 33.0' RT
INLET, TYPE G-1
RIM ELEV = 558.87
INV ELEV = 555.89, 12" W (OUT)

SS REMOVAL, 12"
STA. 31+95.89 TO STA. 33+39.40 RT

CONC. HEADWALL REMOVAL
STA. 33+40.08, 61.6' RT

PROP DITCH FLOW LINE

STRUCTURE #11
STA. 35+21.88, 50.4' LT
MANHOLE, TYPE A, 4'
TYPE 8 GRATE
RIM ELEV = 569.23
INV ELEV = 566.22, 18" N (IN)
INV ELEV = 563.58, 15" N (IN)
INV ELEV = 559.19, 15" S (OUT)

REMOVE INLET
STA. 36+76.63, 34.4' RT

STRUCTURE #8
STA. 36+77.57, 33.0' LT
INLET, TYPE G-1
RIM ELEV = 579.52
INV ELEV = 575.40, 12" E (IN)
INV ELEV = 575.20, 15" W (OUT)

STRUCTURE #4
STA. 36+76.63, 33.0' RT
INLET, TYPE G-1
RIM ELEV = 579.47
INV ELEV = 576.50, 12" W (OUT)

SD HENRY LLC
18-06-251-040

EXIST. R.O.W.

PEORIA HOSPITALS MOBILE
MEDICAL SERVICES
18-06-201-025

0 20' 40'

H. SCALE: 1" = 20'
V. SCALE: 1" = 5'

PLAN

NOTE BOOK	SURVEYED	PLOTTED	DESIGN CHECKED	R.O.W. AGENT	PLOT FILE NAME	BY	DATE

PROFILE

NOTE BOOK	SURVEYED	PLOTTED	DESIGN CHECKED	BK. NO.310	STRUCTURE NOTATIONS CHKD	BY	DATE

585
580
575
570
565
560
555
550
545

PROPOSED PROFILE @ PGL

PROPOSED RIGHT DITCH PROFILE

EXIST. GROUND PROFILE AT PROPOSED ℄

PROPOSED LEFT DITCH PROFILE

+25.00 EL. 581.37
+00.00 EL. 585.87
+75.00 EL. 578.67
+00.00 EL. 579.58
+50.00 EL. 577.52
+25.00 EL. 576.24
+00.00 EL. 574.49
+75.00 EL. 572.72
+50.00 EL. 570.37
+25.00 EL. 569.45
+75.00 EL. 565.97
+00.00 EL. 560.37
+75.00 EL. 559.39
+50.00 EL. 558.10
+25.00 EL. 556.94
+00.00 EL. 555.62
+75.00 EL. 554.87
+25.00 EL. 554.43
+75.00 EL. 544.78
+00.00 EL. 549.91
+50.00 EL. 556.90
+75.00 EL. 558.59
+00.00 EL. 560.34
+00.00 EL. 567.34
+75.00 EL. 571.84
+00.00 EL. 573.84

+6.00%
+20.52%
+18.08%
+5.28%
+3.00%
+4.64%
+5.16%
+6.88%
+3.92%
+7.00%
+10.40%
+6.96%
+6.08%
+8.00%
+1.08%
+5.12%
+4.60%
+3.64%
+7.16%

20.0' - 18" SS @ 17.10%
AND FES

EXIST. 12" RCP

90.0' - 15" SS @ 4.50%

20.0' - 8" SS
@ 17.77%
AND FES

EXIST. 12" RCP

155.8' - 15" SS @ 3.76%

20.0' - 18" SS @ 18.20%
AND FES

550.64

559.19

563.58

569.45

552.19 551.35
553.40 552.55
554.60 553.75
555.80 554.95
557.01 556.15
558.21 557.35
559.41 558.55
560.61 559.75
561.81 560.95
563.02 562.15
564.22 563.35
565.41 564.55
566.59 565.75
567.90 566.95
568.97 568.15
570.17 569.35
571.38 570.55
572.58 571.75
573.79 572.95
575.00 574.15
576.20 575.35
577.50 576.55
578.58 577.75
579.78 578.95
580.98 580.15
582.18 581.35
583.40 582.55
584.62 583.75
585.84 584.95
587.05 586.15
588.26 587.35

32+00 32+50 33+00 33+50 34+00 34+50 35+00 35+50 36+00 36+50 37+00 37+50 38+00

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - JLH	REVISED -
		DRAWN - JLH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - JLH	REVISED -
	PLOT DATE = $DATE$	DATE - JAN 2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STERLING AVENUE
DRAINAGE PLAN & PROFILE

SCALE: 1"=20' | SHEET NO. OF SHEETS | STA. 32+00.00 TO STA. 38+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6586	05-00010-00-PV	PEORIA	86	26
	STERLING AVENUE	CONTRACT NO. 89385		
	FED ROAD DIST NO. 4 ILLINOIS FED. AID PROJECT M-5314 (001)			