DUCTILE IRON WATERMAIN, CL 52
W/ POLYETHYLENE ENCASEMENT, 12"
202 LF
STA. 13+00.0 TO 15+00.0

WATER SERVICE
CONNECTION, 1½"
STA. 14+89.0

SERVICE BOX
(FOR FUTURE CONNECTION)
+89.0, 50.3' LT

45° BEND, 12"
+95.7, 40.0' LT

UTILITY
CONFLICT

EXIST. EASEMENT

RIVER

EX ROW

STORM SEWER
CL A, TY 2, 12"
58 LF @ 1.00%
(T.B., 11 CU YD)

STORM SEWER
CL A, TY 2, 12"
3 LF @ 1.00%
(T.B., 1.0 CU YD)

STORM SEWER
CL A, TY 2, 12"
56 LF @ 1.00%
(T.B., 11 CU YD)

CONNECTION TO
EXIST. WATERMAIN, 12"
+01.0, 35.8' LT

45° BEND, 12"
+00.0, 35.8' LT

BETHANY ROAD

MATCHLINE STA. 13+00

MATCHLINE STA. 19+00

13 14 15+00 16 17 18

PIPE UD, 4"
60 LF @ 2%

STORM SEWER
CL A, TY 2, 15"
122 LF @ 1.00%
(T.B., 42 CU YD)

EXISTING BRIDGE

STORM SEWER
CL A, TY 2, 12"
20 LF @ 1.00%
(T.B., 2 CU YD)

STORM SEWER
CL A, TY 2, 12"
116 LF @ 0.80%
(T.B., 42.0 CU YD)

STORM SEWER
CL A, TY 2, 18"
90 LF @ 0.74%
(T.B., 65 CU YD)

WVB

WVB&FH

GAS

FO

KISHWAUKEE

GRAPHIC SCALE
FEET
20 0 20 40

NOTES:

1. SEE REMOVAL PLAN FOR ADJUSTMENT ITEMS INCLUDING VALVE VAULT, VALVE BOX, AND MANHOLE FRAMES.
2. ALL WATERMAIN FITTINGS, BENDS, AND TEES ARE INCLUDED IN THE COST OF DUCTILE IRON WATERMAIN, CL 52 W/ POLYETHYLENE ENCASEMENT, 12".

PROFILE

PROPOSED DITCH
RIGHT SIDE

PROPOSED
PROFILE

EXISTING
PROFILE

0.30%

BRIDGE OMISSION
STA. 16+87.20 TO STA. 18+79.90

+87.2 EL. 838.82

+79.9 EL. 839.40

0.30%

12" - 116 LF @ 0.80%

15" - 122 LF @ 1.00%

18" - 90 LF @ 0.74%

INV 832.83
INV 832.60

PROPOSED DITCH
LEFT SIDE

INV 831.38
INV 831.13

PROPOSED DITCH
RIGHT SIDE

PROPOSED DITCH
LEFT SIDE

INV 830.46
INV 830.45

EX. DIP WM, 12"

EXISTING DITCH
LEFT SIDE

DUCTILE IRON WATERMAIN, CL 52
W/ POLYETHYLENE ENCASEMENT, 12"

855 850 845 840 835 830 825 820 815

EX. ELEVATION	PR. ELEVATION
837.63	837.99
837.42	837.89
837.45	837.96
837.57	838.11
837.83	838.26
838.17	838.41
838.44	838.56
838.69	838.71
838.88	838.86
826.89	839.01
825.00	839.16
839.34	839.31
839.46	839.46

13+00 13+50 14+00 14+50 15+00 15+50 16+00 16+50 17+00 17+50 18+00 18+50 19+00

PLAN	PROFILE
SURVEYED	
PLOTTED	
HORIZ. CHECKED	
VERT. CHECKED	
R.O.W. NOTED	
NOTE BOOK	STRUCTURE NOTATIONS CHKD
NO.	

DATE / BY

FILE NAME = W:\Projects\2012\120155 Bethany\Sgs3\CADD\Civil\Dgn\Sht\DRAIN PP_02.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = mperris	DESIGNED - JWW	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE = 1:20	CHECKED - DPB	REVISED -
PLOT DATE = 12/20/2012	DATE - 12/21/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN & PROFILE

SCALE: 1"=20' | SHEET NO. 2 OF 5 SHEETS | STA. 13+00.00 TO STA. 19+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	10-00167-01-WR	DEKALB	78	43

CONTRACT NO. 87544

ILLINOIS FED. AID PROJECT