T 18 N, R 6 E, 4th PM
SECTION 22

N&BC 1" FROM EOP
N&BC TOP OF 12" CMP
N&BC IN PP
POT STA 17+50.00
SURVEY SPIKE

N&BC 1" FROM EOP
N&BC TOP OF 12" CMP
N&BC IN PP
PC STA 17+80.68
SURVEY SPIKE

INSIDE COR. OF CONC. BRIDGE CURB
N&BC IN 36" TREE
N&BC IN PP
PI STA 18+87.99
SURVEY SPIKE

FRED GLASSBURN
CULTIVATED

50' EXISTING R.O.W.
℄ SURVEY & ℄ CONSTRUCTION
PROPOSED LIMITS OF CONSTRUCTION (TYP.)
TPED
(HMA)
26
GW
PP
12" CMP
SECTION 11-07119-00-BR BEGINS STATION 18+50.00
BM
STA 18+75 25' RT
PI Sta 18+87.99
STA 19+00 40' RT
STA 18+75 25' LT
STA 19+00 40' LT
PIPE UNDERDRAINS 6"
UNION DITCH
PROPOSED STRUCTURE SN 006-4096
STATION 20+00.00
SEE SHEETS #7 THRU #17 FOR DETAILS
SEE SHEET #7 FOR HYDRAULICS
FE +60
FE +75
TBR
BM
STA 21+00 40' LT
STA 21+25 25' LT
STA 21+25 25' RT
STA 21+00 40' RT
PIPE UNDERDRAINS 6"
T.R. 55
EXISTING R.O.W. LINE
50' EXISTING R.O.W.
ROY HANEY TRUST
CULTIVATED
SECTION 11-07119-00-BR ENDS STATION 21+50.00
STEVEN GLASSBURN
CULTIVATED
EXISTING STRUCTURE SN 006-4091 TO BE REMOVED
DITCH
ROY HANEY TRUST
CULTIVATED

3-INSIDE COR. OF CONC. BRIDGE CURB
PT STA 19+95.01
SURVEY SPIKE

N&BC 1" FROM EOP
N&BC IN PP
N&BC IN FP
POT STA 22+00.00
SURVEY SPIKE

② PROPOSED PIPE CULVERT
2 - METAL END SEC., STD. 542401
CLASS D, TYPE 1, 15" x 36'
USFL 626.21, STA 20+77.47, 22.0' LT
DSFL 625.50, STA 20+41.51, 24.0' LT

③ PROPOSED PIPE CULVERT
2 - METAL END SEC., STD. 542401
CLASS D, TYPE 1, 15" x 36'
USFL 626.63, STA 20+92.47, 20.8' RT
DSFL 625.91, STA 20+56.51, 22.8' RT

④ CONCRETE HEADWALL FOR PIPE DRAIN, COST INCIDENTAL TO PIPE UNDERDAINS 6" STD 601101

① PROPOSED TRAFFIC BARRIER TERMINALS TYPE 5A AND TYPE 1 (SPECIAL) TANGENT

T 18 N, R 6 E, 4th PM
SECTION 22

50' 0' 50'
GRAPHIC SCALE IN FEET

LEGEND

TRANSITION TO OR FROM EXISTING TO PROPOSED TYPICAL PAVEMENT

PROPOSED RIPRAP PLACEMENT

SPECIAL DITCH WITH FLOW DIRECTION

CURVE DATA
PI STA. = 18+87.99
Δ = 7° 13' 25" (LT)
D = 3° 22' 13"
R = 1,700.00'
T = 107.31'
L = 214.33'
E = 3.38'
P.C. STA. = 17+80.68
P.T. STA. = 19+95.01

PLAN
SURVEYED BY
PLOTTED DATE
JOB NUMBER CHECKED
RT. OF WAY CHECKED
NOTE BOOK CADD FILE NAME
NO.

PROFILE
SURVEYED BY
PLOTTED DATE
JOB NUMBER CHECKED
NOTE BOOK ELEV. NOTED
NO. STRUCTURE NOTATING CHKD

BM - CHIS. "□" ON N SIDE OF GRAIN BIN CONCRETE BASE STA. 18+16, 50' RT. ELEV. 631.63

BM - CHIS. "□" ON WINGWALL AT SOUTHEAST CORNER OF BRIDGE STA. 20+26, 12' RT. ELEV. 629.49

BM - RAILROAD SPIKE IN POWER POLE STA. 22+89, 26' RT. ELEV. 629.67

645 640 635 630 625 620 615 610 605

*BALANCE #2 STA. 19+64.25 TO STA 20+35.75
CHANNEL EXCAVATION = 230 CU YD

BALANCE #1 STA. 18+50.00 TO STA 19+64.25
EARTH EXCAVATION = 120 CU YD
EMBANKMENT = 25 CU YD

BALANCE #3 STA. 20+35.75 TO STA 21+50.00
EARTH EXCAVATION = 135 CU YD
EMBANKMENT = 27 CU YD

100' V.C. K = 50
100' V.C. K = 172
PROPOSED PROFILE GRADE LINE
EXISTING PROFILE GRADE LINE
-2.02%
+0.00%
+0.58%
SD LT -2.00%
SD RT +2.00%
SD LT +2.00%
15YR HWE = 623.27
SBE = 615.75

EXISTING PROFILE GRADE
PROPOSED PROFILE GRADE

632.83
631.71
630.51 +50 630.51(630.51)VPC
629.81 +00 629.76(629.50)VPI
629.71 +50 629.50(629.50)VPT +59 SD LT 626.23
629.39 629.50
629.37 +50 629.50(629.50)VPC +22 SD LT 625.11 +40 SD RT 625.58
629.47 +00 629.57(629.50)VPI +00 SD LT 626.67
629.79 +50 629.79(629.79)VPT +25 SD RT 627.28
630.13

18+00 19+00 20+00 21+00 22+00

* CHANNEL EXCAVATION

THE CHANNEL SHALL BE EXCAVATED WITH 2:1 SIDE SLOPES AS SHOWN ON SHEET 7. TRANSITION FROM THE PROPOSED CHANNEL TO THE EXISTING UPSTREAM & DOWNSTREAM CHANNEL WITHIN THE LIMITS OF CONSTRUCTION. SUITABLE EXCAVATION MATERIAL MAY BE USED IN THE EMBANKMENT AS DIRECTED BY THE ENGINEER.
CHANNEL EXCAVATION = 230 CU YD

FILE NAME = V:\Bridge\2984 - Bureau\2984P001.dgn	USER NAME = cthomas	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/9/2012	DATE -	REVISED -

BUREAU COUNTY TOWNSHIP ROAD 55 OVER UNION DITCH

PLAN AND PROFILE

SCALE: 1"=50' | SHEET NO. 1 OF 1 SHEETS | STA. 18+50.00 TO STA. 21+50.00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 55	11-07119-00-BR	BUREAU	21	6
		CONTRACT NO. 87499		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT BROS-0011(083)		