93424

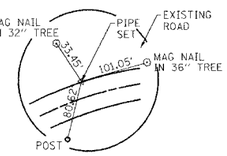
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 110	80-03108-00-BR	SCHUYLER	20	4
STA.	3+00	TO STA.	12+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	*	

* BROS-169(35)

MICHAEL WISIENWSKI, etal.

SEC. 17, T. 3 N., R. 3 W., 4TH P.M.

BM: CHISLED "□" IN S.E. CORNER OF EXISTING BRIDGE ABUTMENT ELEV. = 489.78



PI STA. 5+80.94

⑧STA 7+17, 75' LT.
TWIN PIPE CULVERTS, CLASS D, TYPE 1 72" (CMP) = 2x26 FOOT
END SECTIONS 72" = 4 EACH
USFL = 482.91 DSFL = 482.55

WATERWAY INFORMATION
AREA = 0.87 SQ. MI.
PROVIDED OPENING = 56.52 SQ. FT.
EXISITNG OPENING = 57.8 SQ. FT.
Q_{30} = 660 CFS DHWE$_{30}$ = 488.35 FT.
Q_{100} = 914 CFS DHWE$_{100}$ = 489.41 FT.
OVERTOPPING 15 YEAR
Q_{15} = 523 CFS DHWE$_{15}$ = 487.74 FT.

EXISTING STRUCTURE #1 S.N. 085-4303 (TO BE REMOVED)

EXISTING STRUCTURE #2 (TO BE REMOVED)

W. WILLOW CREEK TRIBUTARY

E. WILLOW CREEK

EARTH EXISTING FE

+50, 100' LT

BORING B-1

28°30'

PC STA. 5+00.00
PT STA. 4+82.10
PI STA. 4+48.74
PC STA. 4+13.74
PI STA. 5+80.94

POT STA. 3+00.00

STA. 3+13.74
BEGIN IMPROVEMENTS
SECTION 80-03108-00-BR

100' TRANSITION
25:1 TAPER RATE

EXISTING BASE OF HILL

GATE POSTS

STA. 7+65.43
BK. EAST ABUTMENT

STA. 7+26.00
℄ STRUCTURE

STA. 6+86.57
BK. WEST ABUTMENT

PT STA. 6+56.52

⑤STA. 5+50 ℄ TR 110 =
STA. 1+00 ℄ FE RT.

⑥STA 5+50, 36' RT.
PIPE CULVERTS, CLASS D, TYPE 1 36" (CMP) = 29 FOOT
END SECTIONS 36" = 2 EACH
USFL = 489.93
DSFL = 489.74

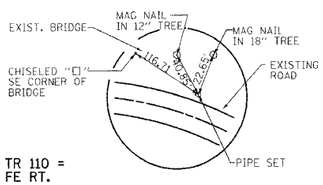
⑦STA. 6+00 ℄ TR 110 =
STA. 2+00 ℄ FE LT.

CURVE DATA C-2
PI STA. = 5+80.94
Δ = 35° 59' 59.4" (RT)
D = 23° 00' 00.6"
R = 249.11'
T = 80.94'
L = 156.52'
E = 12.82'
P.C. STA. = 5+00.00
P.T. STA. = 6+56.52
NORMAL CROWN

CURVE DATA C-1
PI STA. = 4+48.74
Δ = 30° 17' 41.6" (LT)
D = 44° 18' 56.2"
R = 129.29'
T = 35.00'
L = 68.36'
E = 4.65'
P.C. STA. = 4+13.74
P.T. STA. = 4+82.10
NORMAL CROWN

CURVE DATA C-3
PI STA. = 9+80.58
Δ = 40° 00' 01.7" (RT)
D = 23° 00' 00.7"
R = 249.11'
T = 90.67'
L = 173.91'
E = 15.99'
P.C. STA. = 8+89.91
P.T. STA. = 10+63.82
NORMAL CROWN

PC STA. 8+89.91
℄ TR 110
STA. 9+67 ℄ TR 110 = STA. 3+00 ℄ FE RT.
PI STA. 9+80.58
PT STA. 10+63.82



PI STA. 9+80.58

NOTES

1. SEE RIGHT-OF-WAY SHEET FOR ADDITIONAL DETAILS.
2. DEGRADING OF EXISTING ROADWAY WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CU.YD. FOR EARTH EXCAVATION.

STA. 11+80.00
END IMPROVEMENTS
SECTION 80-03108-00-BR

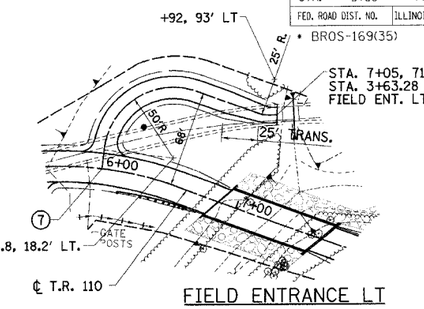
100' 25:1 TRANSITION TAPER RATE

EXISTING BASE OF HILL

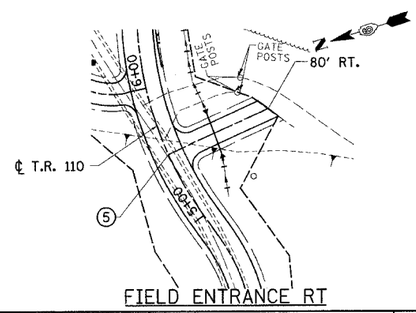
POT STA. 12+26.74

POT STA. 11+79.34

[1] +79.70 FE (EARTH) TO BE RELOCATED



FIELD ENTRANCE LT



FIELD ENTRANCE RT

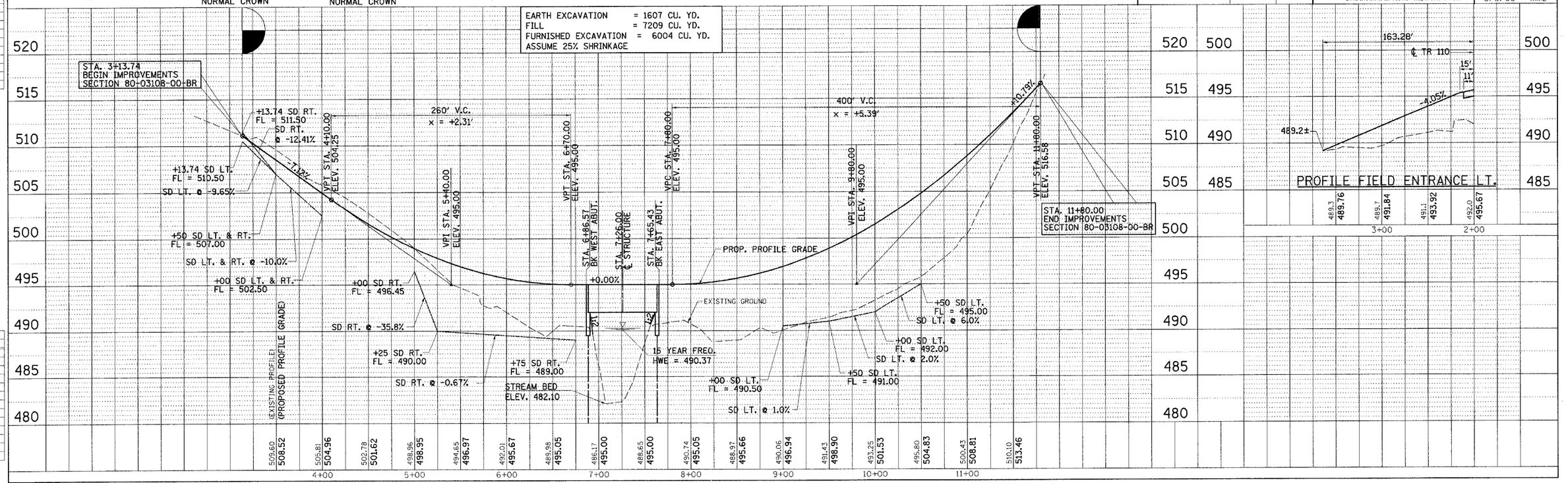
REVISION	DATE	BY

GREENE & BRADFORD, INC. OF SPRINGFIELD
CONSULTING ENGINEERS
SPRINGFIELD, ILLINOIS 62707

COMPUTER FILE NO. 2341PP

PROJECT: 02341
3/3/06 - MML

EARTH EXCAVATION = 1607 CU. YD.
FILL = 7209 CU. YD.
FURNISHED EXCAVATION = 6004 CU. YD.
ASSUME 25% SHRINKAGE



MICHAEL WISIENWSKI, etal.

T.R. ROUTE 110 (BROOKLYN TOWNSHIP) SCHUYLER COUNTY

IDOTPP-50 - 1:50 8/07/00

DESIGN: INT. | DATE | REASON
PLAN: DIGITIZED | PLOTTED | ALIGNMENT CHECKED | GRADES CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE
PLOTS & CHECKS: INT. | DATE | NO. | REASON
PROFILE: SURVEYED | DESIGNED | GRADES CHECKED | QUANTITIES | STRUCTURE NOTATIONS DRAWN | BY | DATE
CHECKS: INT. | DATE | REASON

FILE NAME = J:\02341\DRAWINGS\2341PP.dgn
PLOT SCALE = 50.0000 ' / DRU = XES_8850_ENG.plt
PLOT DATE = 8/14/2006
PLOT TIME = 8:53:53 AM
OPERATOR = gregj