

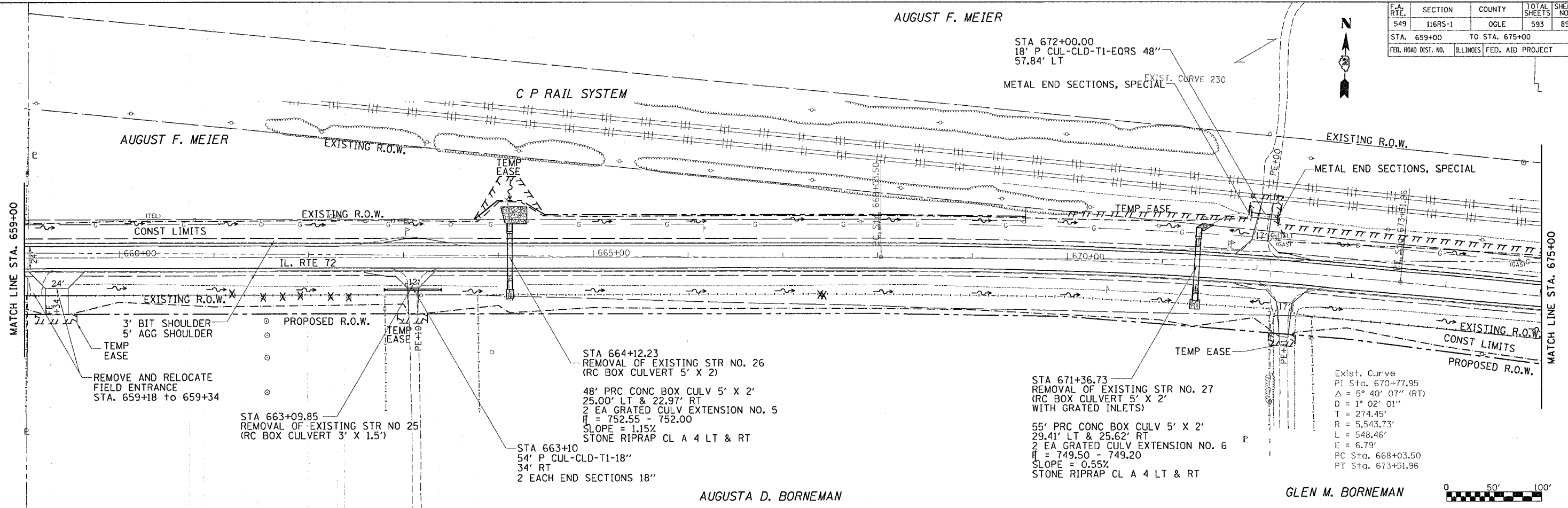
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
549	116RS-1	OGLE	593	89
STA. 659+00		TO STA. 675+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

AUGUST F. MEIER

STA 672+00.00
18' P CUL-CLD-T1-EORS 48"
57.84' LT



METAL END SECTIONS, SPECIAL



AUGUST F. MEIER

C P RAIL SYSTEM

IL. RTE 72

REMOVE AND RELOCATE
FIELD ENTRANCE
STA. 659+18 to 659+34

STA 663+09.85
REMOVAL OF EXISTING STR NO 25
(RC BOX CULVERT 3' X 1.5')

STA 664+12.23
REMOVAL OF EXISTING STR NO. 26
(RC BOX CULVERT 5' X 2)

48' PRC CONC BOX CULV 5' X 2'
25.00' LT & 22.97' RT
2 EA GRATED CULV EXTENSION NO. 5
H = 752.55 - 752.00
SLOPE = 1.15%
STONE RIPRAP CL A 4 LT & RT

STA 663+10
54' P CUL-CLD-T1-18"
34' RT
2 EACH END SECTIONS 18"

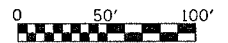
STA 671+36.73
REMOVAL OF EXISTING STR NO. 27
(RC BOX CULVERT 5' X 2'
WITH GRATED INLETS)

55' PRC CONC BOX CULV 5' X 2'
29.41' LT & 25.62' RT
2 EA GRATED CULV EXTENSION NO. 6
H = 749.50 - 749.20
SLOPE = 0.55%
STONE RIPRAP CL A 4 LT & RT

Exist. Curve
PI Sta. 670+77.95
Δ = 5° 40' 07" (RT)
D = 1° 02' 01"
T = 274.45'
R = 5,543.73'
L = 548.46'
E = 6.79'
PC Sta. 668+03.50
PT Sta. 673+51.96

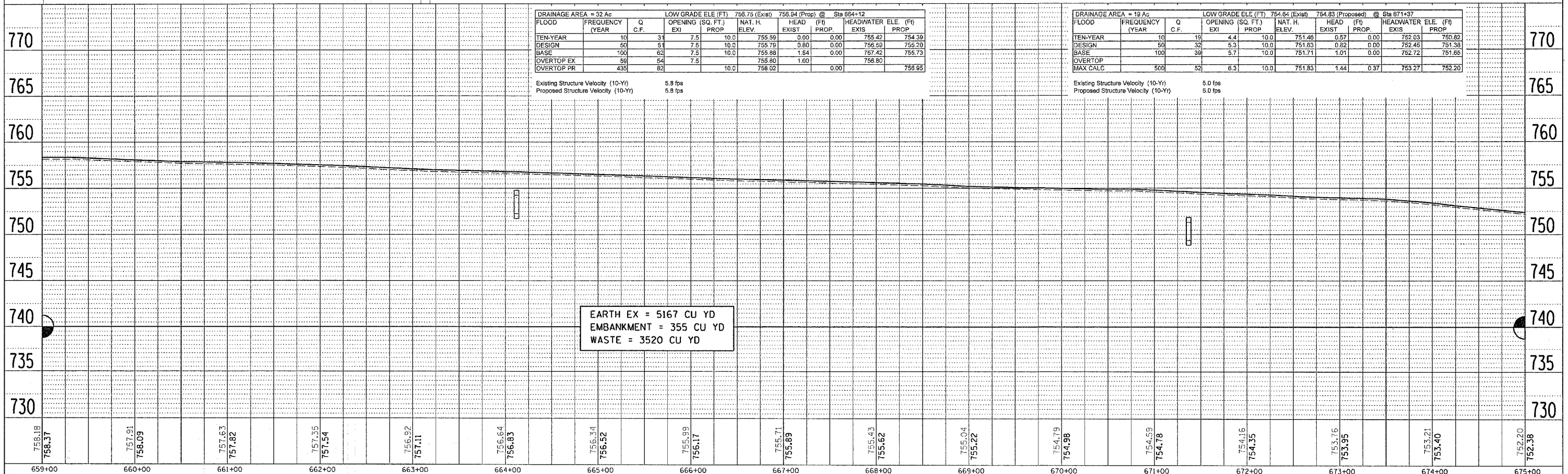
AUGUSTA D. BORNEMAN

GLEN M. BORNEMAN



PLAN	SURVEYED	DATE

PROFILE	SURVEYED	DATE



DRAINAGE AREA = 32 Ac		LOW GRADE ELE (FT)		756.75 (Exist)	756.94 (Prop)	Sta 664+12	
FLOOD	FREQUENCY (YEAR)	Q C.F.	OPENING (SQ. FT.) EXI	NAT. H. ELEV.	HEAD (FT) EXIST	HEAD (FT) PROP.	HEADWATER ELE. (FT) EXIS
TEN-YEAR	10	31	7.5	10.0	755.99	0.00	755.42
DESIGN	50	51	7.5	10.0	755.79	0.00	755.20
BASE	100	62	7.5	10.0	755.88	1.64	767.42
OVERTOP EX	56	54	7.5		755.80	1.00	756.80
OVERTOP PR	435	82		10.0	758.02	0.00	758.95

Existing Structure Velocity (10-Yr) 5.8 fps
Proposed Structure Velocity (10-Yr) 5.8 fps

DRAINAGE AREA = 19 Ac		LOW GRADE ELE (FT)		754.64 (Exist)	754.83 (Proposed)	Sta 671+37	
FLOOD	FREQUENCY (YEAR)	Q C.F.	OPENING (SQ. FT.) EXI	NAT. H. ELEV.	HEAD (FT) EXIST	HEAD (FT) PROP.	HEADWATER ELE. (FT) EXIS
TEN-YEAR	10	19	4.4	10.0	751.46	0.57	752.03
DESIGN	50	32	5.3	10.0	751.63	0.82	752.46
BASE	100	39	5.7	10.0	751.71	1.01	762.72
OVERTOP EX	56	54	7.5		755.80	1.00	756.80
OVERTOP PR	435	82		10.0	758.02	0.00	758.95

Existing Structure Velocity (10-Yr) 5.0 fps
Proposed Structure Velocity (10-Yr) 5.0 fps

EARTH EX = 5167 CU YD
EMBANKMENT = 355 CU YD
WASTE = 3520 CU YD

DATE TIME
REF 21