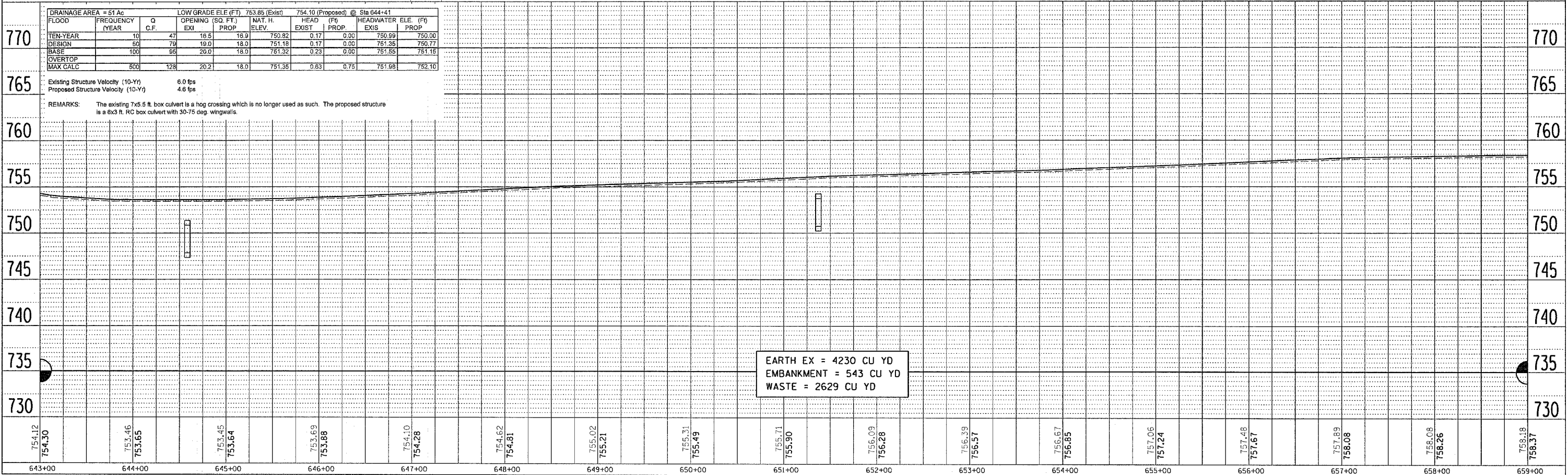
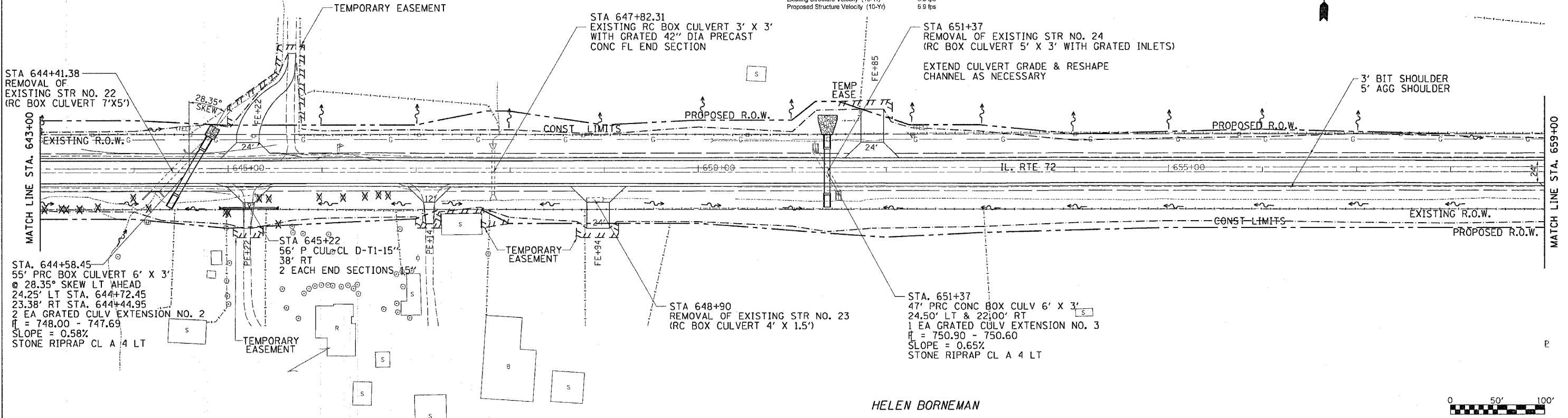


HELEN BORNEMAN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
549	116RS-1	OGLD	593	88
STA. 643+00		TO STA. 659+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FLOOD	FREQUENCY (YEAR)	Q C.F.	LOW GRADE ELE (FT)		HEAD (FT)		HEADWATER ELE (FT)	
			EXI	PROP	EXIS	PROP	EXIS	PROP
TEN-YEAR	10	39	5.9	8.1	752.66	0.84	0.37	753.50
DESIGN	50	64	6.9	10.3	752.86	1.43	0.93	753.29
BASE	100	77	7.4	10.8	752.95	1.71	1.19	754.14
OVERTOP								
MAX CALC	500	104	8.2	11.8	753.11	2.72	1.71	754.82

Existing Structure Velocity (10-Yr) 6.3 fps
Proposed Structure Velocity (10-Yr) 6.9 fps



FLOOD	FREQUENCY (YEAR)	Q C.F.	LOW GRADE ELE (FT)		HEAD (FT)		HEADWATER ELE (FT)	
			EXI	PROP	EXIS	PROP	EXIS	PROP
TEN-YEAR	10	47	16.5	16.9	750.82	0.17	0.00	750.99
DESIGN	50	79	19.0	18.0	751.18	0.17	0.00	751.35
BASE	100	95	20.0	18.0	751.32	0.23	0.00	751.55
OVERTOP								
MAX CALC	500	128	20.2	18.0	751.35	0.63	0.75	751.98

Existing Structure Velocity (10-Yr) 6.0 fps
Proposed Structure Velocity (10-Yr) 4.6 fps

REMARKS: The existing 7x5.5 ft. box culvert is a hog crossing which is no longer used as such. The proposed structure is a 6x3 ft. RC box culvert with 30-75 deg. wingwalls.

DATE: _____
BY: _____
CHECKED: _____
DATE: _____

DATE: _____
BY: _____
CHECKED: _____
DATE: _____

DATE: _____
BY: _____
CHECKED: _____
DATE: _____