

LORETTA F BACON

TEMPORARY EASEMENT

EXISTING R.O.W.

EXISTING 10' X 8' RC BOX CULVERT

CONSTRUCTION LIMITS

IMPROVEMENT BEGINS
STA 1111+50

CONSTRUCTION LIMITS

REMOVAL OF EXISTING STRUCTURES
EXISTING SN 071-1057

SECTION BEGINS
STA 1113+99.29

12.39°
SKEW

MATCH LINE STA 1115+00

1109 1110+00 IL RTE 64 1111 1112 1113

SECTION ENDS
STA 1114+61.74

CONSTRUCTION LIMITS

EXISTING R.O.W.

PROPOSED R.O.W.

7' AGGREGATE SHOULDERS, TYPE B

GUARDRAIL REMOVAL

CLASS C PATCHES, TYPE IV, 16 INCH
2 1/2" HOT MIX ASPHALT
SURFACE COURSE, MIX "D", N50

SEE SHEET 3 OF 3 FOR
CULVERT INFORMATION

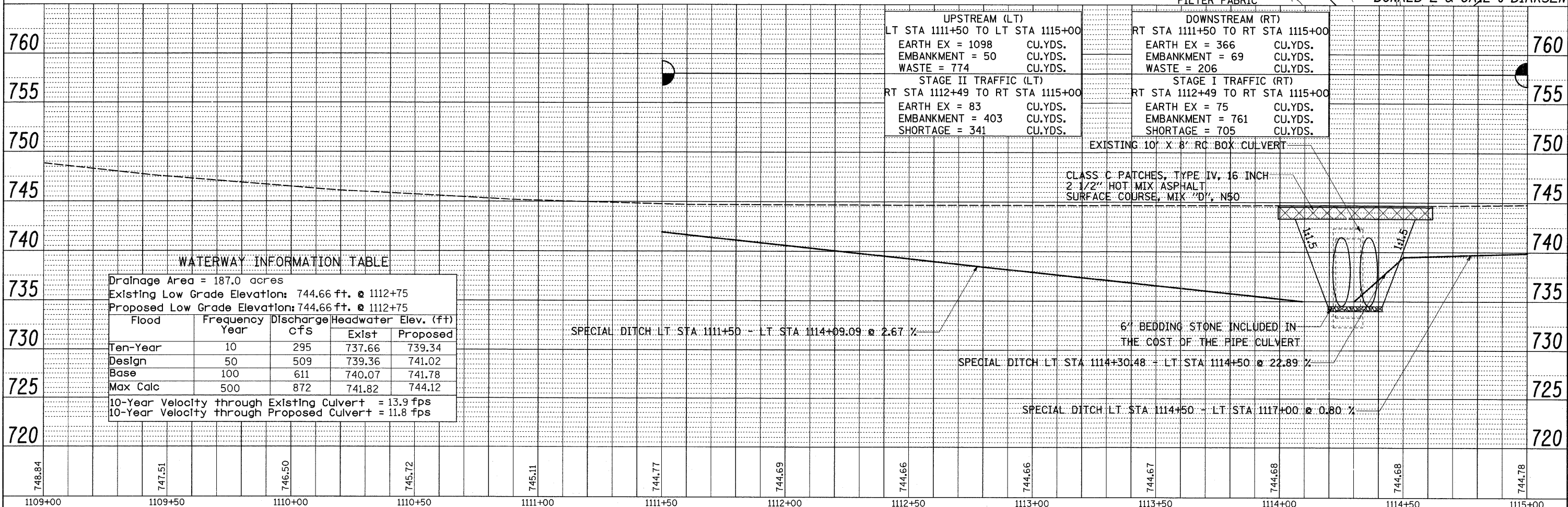
STONE RIPRAP, CLASS A4
FILTER FABRIC

DONALD E & GAIL J DIRKSEN

= PAVEMENT REMOVAL
(INCLUDED IN PAY ITEM, "CLASS C PATCHES, TYPE IV, 16 INCH")

= TREE REMOVAL (EACH)

J EDSON & L MCCANSE



WATERWAY INFORMATION TABLE

Drainage Area = 187.0 acres
Existing Low Grade Elevation: 744.66 ft. @ 1112+75
Proposed Low Grade Elevation: 744.66 ft. @ 1112+75

	Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft)	
				Exist	Proposed
Ten-Year	10		295	737.66	739.34
Design	50		509	739.36	741.02
Base	100		611	740.07	741.78
Max Calc	500		872	741.82	744.12

10-Year Velocity through Existing Culvert = 13.9 fps
10-Year Velocity through Proposed Culvert = 11.8 fps

UPSTREAM (LT)		DOWNSTREAM (RT)	
LT STA 1111+50 TO LT STA 1115+00		RT STA 1111+50 TO RT STA 1115+00	
EARTH EX = 1098	CU.YDS.	EARTH EX = 366	CU.YDS.
EMBANKMENT = 50	CU.YDS.	EMBANKMENT = 69	CU.YDS.
WASTE = 774	CU.YDS.	WASTE = 206	CU.YDS.
STAGE II TRAFFIC (LT)		STAGE I TRAFFIC (RT)	
RT STA 1112+49 TO RT STA 1115+00		RT STA 1112+49 TO RT STA 1115+00	
EARTH EX = 83	CU.YDS.	EARTH EX = 75	CU.YDS.
EMBANKMENT = 403	CU.YDS.	EMBANKMENT = 761	CU.YDS.
SHORTAGE = 341	CU.YDS.	SHORTAGE = 705	CU.YDS.

EXISTING 10' X 8' RC BOX CULVERT

CLASS C PATCHES, TYPE IV, 16 INCH
2 1/2" HOT MIX ASPHALT
SURFACE COURSE, MIX "D", N50

SPECIAL DITCH LT STA 1111+50 - LT STA 1114+09.09 @ 2.67 %

SPECIAL DITCH LT STA 1114+30.48 - LT STA 1114+50 @ 22.89 %

SPECIAL DITCH LT STA 1114+50 - LT STA 1117+00 @ 0.80 %

6" BEDDING STONE INCLUDED IN
THE COST OF THE PIPE CULVERT

PLAN
SURVEYED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK NO.
DATE

PROFILE
SURVEYED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHECKED
NOTE BOOK NO.
DATE