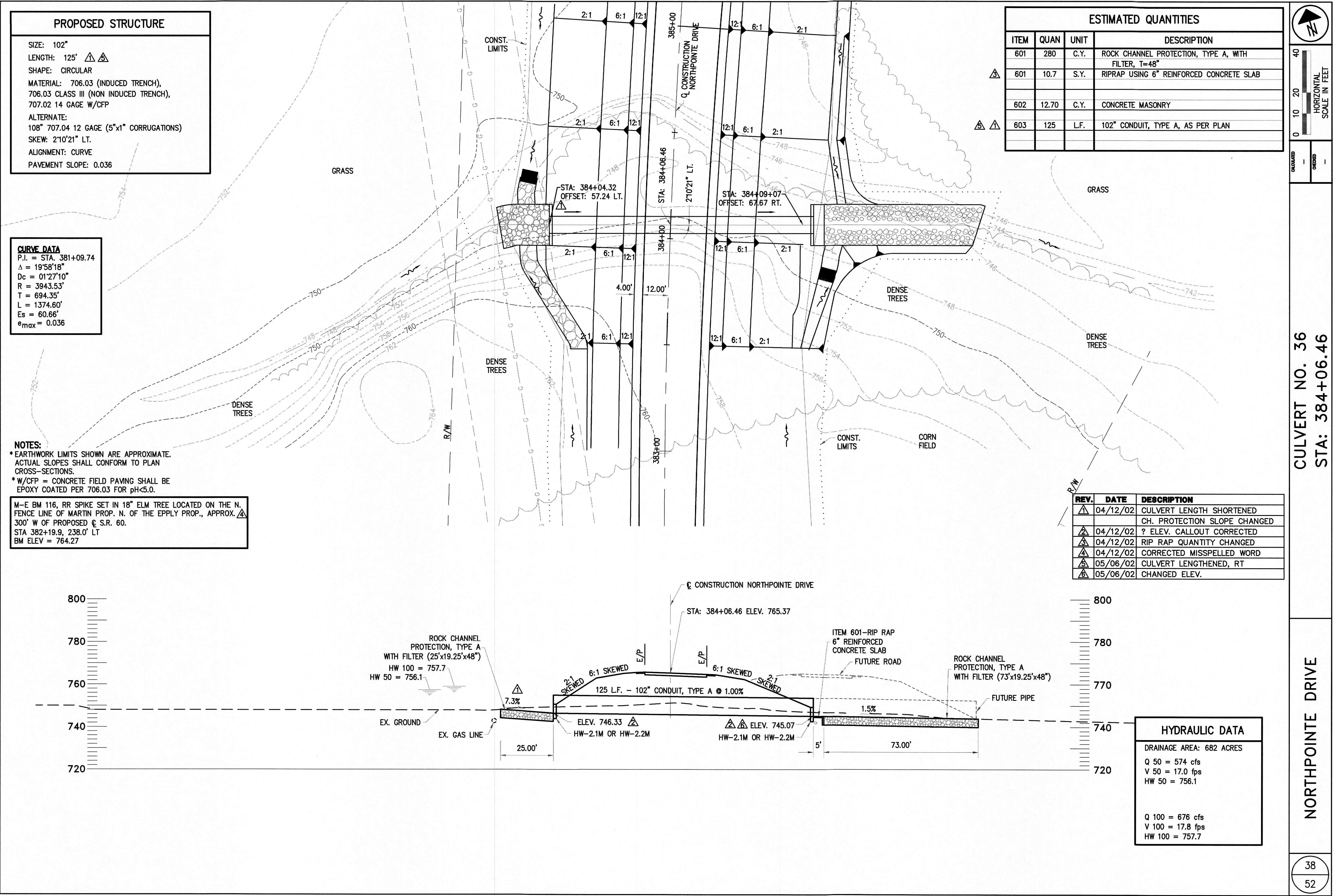




PROPOSED STRUCTURE

SIZE: 102"
LENGTH: 125'
SHAPE: CIRCULAR
MATERIAL: 706.03 (INDUCED TRENCH),
706.03 CLASS III (NON INDUCED TRENCH),
707.02 14 GAGE W/CFP
ALTERNATE:
108" 707.04 12 GAGE (5"x1" CORRUGATIONS)
SKEW: 2'10"21" LT.
ALIGNMENT: CURVE
PAVEMENT SLOPE: 0.036

CURVE DATA

P.I. = STA. 381+09.74
 $\Delta = 19^{\circ}58'18"$
 $D_c = 01^{\circ}27'10"$
 $R = 3943.53'$
 $T = 694.35'$
 $L = 1374.60'$
 $E_s = 60.66'$
 $e_{max} = 0.036$

NOTES:

* EARTHWORK LIMITS SHOWN ARE APPROXIMATE.
ACTUAL SLOPES SHALL CONFORM TO PLAN
CROSS-SECTIONS.
* W/CFP = CONCRETE FIELD PAVING SHALL BE
EPOXY COATED PER 706.03 FOR pH<5.0.

M-E BM 116, RR SPIKE SET IN 18" ELM TREE LOCATED ON THE N.
FENCE LINE OF MARTIN PROP. N. OF THE EPPLY PROP., APPROX.
300' W OF PROPOSED S.R. 60.
STA 382+19.9, 238.0' LT
BM ELEV = 764.27

ESTIMATED QUANTITIES

ITEM	QUAN	UNIT	DESCRIPTION
601	280	C.Y.	ROCK CHANNEL PROTECTION, TYPE A, WITH FILTER, T=48"
601	10.7	S.Y.	RIPRAP USING 6" REINFORCED CONCRETE SLAB
602	12.70	C.Y.	CONCRETE MASONRY
603	125	L.F.	102" CONDUIT, TYPE A, AS PER PLAN

REV.	DATE	DESCRIPTION
	04/12/02	CULVERT LENGTH SHORTENED
	04/12/02	CH. PROTECTION SLOPE CHANGED
	04/12/02	? ELEV. CALLOUT CORRECTED
	04/12/02	RIP RAP QUANTITY CHANGED
	04/12/02	CORRECTED MISPELLED WORD
	05/06/02	CULVERT LENGTHENED, RT
	05/06/02	CHANGED ELEV.

HYDRAULIC DATA

DRAINAGE AREA: 682 ACRES
Q 50 = 574 cfs
V 50 = 17.0 fps
HW 50 = 756.1

Q 100 = 676 cfs
V 100 = 17.8 fps
HW 100 = 757.7

CULVERT NO. 36
STA: 384+06.46

NORTHPOINTE DRIVE