PROPOSED STRUCTURE

SIZE: 48"
TYPE: REINFORCED CONCRETE CIRCULAR PIPE
LENGTH: 271 L.F.
DESIGN SERVICE LIFE: 75 YR.
SKEW: 60° L.F.

EXISTING STRUCTURE

SIZE: 48"
TYPE: CORRUGATED METAL PIPE
LENGTH: 279 L.F.
DATE BUILT: 1954
SKEW: 60° L.F.

HYDRAULIC DESIGN DATA

DRAINAGE AREA: 16.83 ACRES

Q(50): 29.55 CFS
HW(50): 962.97 FT.
V(50): 6.24 FPS

Q(100): 32.90 CFS
HW(100): 963.20 FT.
V(100): 6.45 FPS

ESTIMATED QUANTITIES

CARRIED TO GENERAL SUMMARY ON SHEET 162

ITEM	TOTAL	UNIT	DESCRIPTION
202	279	FT.	PIPE REMOVED, OVER 24" (2)
202	1	EACH	HEADWALL REMOVED
601	4.89	CU. YD.	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
SP 611	254	FT.	48" CONDUIT, TYPE A, 706.02
SPECIAL	2	EACH	48" PRECAST CONCRETE END SECTION
503	1	LUMP	COFFERDAMS AND EXCAVATION BRACING (CULVERT #1) (1)

O:\2018\2018161\drainage\sheets\2018161DC001.dwg, 48 CMP @ MP 2.40, 8/24/20 - 2:21pm

DESIGN AGENCY
GPD GROUP®
Gray & Pape, Inc. dba GPD Group
520 South Main Street, Suite 2531
Akron, Ohio 44311-1051
330.572.2100 Fax: 330.572.2101

NO.	REVISIONS	BY	DATE
1	ADDENDUM #3	PJF	8/19/20
2	ADDENDUM #4	PJF	8/24/20
-	-	-	-
-	-	-	-

DESIGNED	CHECKED
LRK	PJF
DRAWN	IN CHARGE
LRK	MRG

CULVERT DETAIL
CULVERT #1 - STA. 134+63.74
M.P. 2.40

PROJECT 39-20-01A
DATE: 06/26/20

1 / 8

464 / 613

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION