

SUMMARY

CULVERTS (INCLUDED IN CULVERT SUMMARY RECAP)																			
STATION	linear feet							CLASS OR THK.	END SECTIONS		linear feet	cu. yards		sq. yards	linear feet		SKEW ANGLE	CULVERT IN PL. in x ft	REMARKS
	CSP	RCP		RCPA	SCP**	CULVERT LINING**					REMOVE PIPE CULVERT	RIPRAP (CLASS 1)	FILL & ABANDON PIPE	GEOTEXT. STAB.	MINIMUM HEIGHT OF COVER	MAXIMUM HEIGHT OF COVER			
		MISC. ITEM A	MISC. ITEM B & D	MISC. ITEM C	LEFT	RIGHT													
128+80	184							0.109	FETS	FETS	167.0				3.9	4.5	3° LT	48" x 167.0' CMP	DRAIN
129+82				122				CL. 3	FETS	FETS	113.6	14.0		39	2.3	5.2		24" x 113.6' CMP	DRAIN
135+16													17					24" x 140.5' CMP	
135+25		120						CL. 3	FETS	EMB. PROT. ¹					2.0	3.9			DRAIN
139+15					178				FETS	FETS		18.0		49	2.8	28.1		48" x 166.0' CMP	DRAIN WITH INTERNAL DISSIPATORS
146+81												20						24" x 171.3' CMP	
150+68		180						CL. 4	FETS	EMB. PROT. ¹					14.2	16.1			DRAIN
150+77												31						24" x 261.7' CMP	
160+77												19						24" x 163.2' CMP	
164+78												24						24" x 199.5' CMP	
177+78												20						24" x 171.0' CMP	
177+93		112						CL. 2	FETS	EMB. PROT. ¹					2.5	2.6			DRAIN
180+54						340						16.0		45				48" x 339.8' CMP	DRAIN WITH INTERNAL DISSIPATORS
188+75											236.6							24" x 236.6' CMP	
193+73											122.4							24" x 122.4' CMP	
203+74																		180" x 338.5' SSPP	PROTECT IN PLACE
225+19			162					CL. 4	FETS	FETS	152.9	19.0		50	13.0	17.9		30" x 152.9' CMP	DRAIN
230+72		142						CL. 3	FETS	FETS	122.8				3.8	10.7		30" x 122.8' CMP	DRAIN
249+53			304					CL. 4	FETS	FETS	289.1				10.4	15.4	57° RT	30" x 289.1' CMP	DRAIN
256+33											129.8							24" x 129.8' CMP	
256+38			142					CL. 4	FETS	FETS					2.0	16.4			DRAIN
267+82							528											DBL. 108" x 264.0' SSPP	DRAIN
276+94			210					CL. 4	FETS	FETS	209.3				0.9	18.5	8° LT	24" x 209.3' CMP	DRAIN
286+36		120						CL. 2	FETS	MED. INL. ²	165.9				2.5	4.1		24" x 165.9' CMP	DRAIN, TYPE 3 MEDIAN INLET RT.
286+36		52						CL. 2	MED. INL. ²	FETS					2.7	3.2			RIGHT
428+71						194						22.0		57				48" x 194.3' CMP	DRAIN WITH INTERNAL DISSIPATORS
TOTAL	184	726	818	122	178**	534**	528**	~	~	~	1,709.4	89.0	131	240	~	~	~	~	

* SEE STANDARD SPEC. SEC. 709.04
** QUANTITY SHOWN FOR INFORMATION ONLY. SEE CULVERT SUMMARY RECAP, DETAILS & SPECIAL PROVISIONS FOR LUMP SUM METHOD OF MEASURE AND PAYMENT.
¹TRANSITION FROM CULVERT TO SPILLWAY ASSEMBLY WITH DOWN DRAIN (EMBANKMENT PROTECTOR) - SEE EMBANKMENT PROTECTOR SUMMARY FRAME AND DETAIL SHEET.
²TRANSITION FROM CULVERT TO MEDIAN INLET.
SEE SPECIAL PROVISIONS FOR WORK THAT MAY TAKE PLACE OUTSIDE OF RIGHT OF WAY.

PERMANENT EROSION CONTROL				
STATION		cu. yards	sq. yards	REMARKS
		ANCILLARY ARMOR (CLASS 1)	EROSION CONTROL BLANKET *	
			HIGH PERF.	
FROM	TO			
111+50.00	113+00.00	5		DITCH LT. CHECK DAMS, SEE DETAILS
127+00.00	138+00.00	34		DITCH LT. CHECK DAMS, SEE DETAILS
150+08.00	150+83.00		370	DITCH GRADING LT.
155+00.00	178+00.00	140		DITCH LT. CHECK DAMS, SEE DETAILS
194+00.00	197+50.00	11		DITCH LT. CHECK DAMS, SEE DETAILS
256+00.00	265+00.00	28		DITCH RT. CHECK DAMS, SEE DETAILS
260+00.00	265+00.00	32		DITCH LT. CHECK DAMS, SEE DETAILS
271+00.00	274+50.00	18		DITCH LT. CHECK DAMS, SEE DETAILS
TOTAL		288	370	

* FURNISH AND INSTALL EROSION CONTROL BLANKET PER MDT STANDARD SPEC SEC. 610 AND 713, DETAILED DRAWING 610-05, AND THE MANUFACTURER'S INSTRUCTIONS.

CULVERT SUMMARY RECAP						
BASIC BID	linear feet	lump sum		cu. yards		sq. yards
	NEW PIPE (TOTAL)	MISC. ITEMS #	REMOVE PIPE CULVERT	RIPRAP CLASS I	FILL & ABANDON PIPE	GEOTEXT. STAB.
24" RCP	176					
30" RCP	726					
30" EQ. RCPA	122					
36" RCP	818					
48" CSP	184					
MISC. ITEMS A - LS (STA. 139+15)		1				
MISC. ITEMS B - LS (STA. 180+54)		1				
MISC. ITEMS C - LS (STA. 267+82)		1				
MISC. ITEMS D - LS (STA. 428+71)		1				
TOTAL	~	~	1,853.4	89.0	131	240

PAID FOR AS MISCELLANEOUS ITEMS - LS. SEE DETAILS AND SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.