

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM	UNIT	QUANTITY
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	24
20200100	EARTH EXCAVATION	CU YD	195
20300100	CHANNEL EXCAVATION	CU YD	220
① 20400800	FURNISHED EXCAVATION	CU YD	1,000
① 25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.6
① 28000305	TEMPORARY DITCH CHECKS	FOOT	60
28000400	PERIMETER EROSION BARRIER	FOOT	295
28000500	INLET AND PIPE PROTECTION	EACH	1
28100209	STONE RIPRAP, CLASS A5	TON	410
① 28200200	FILTER FABRIC	SQ YD	350
① 40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	758
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
① 50105220	PIPE CULVERT REMOVAL	FOOT	29
50200100	STRUCTURE EXCAVATION	CU YD	70
50300225	CONCRETE STRUCTURES	CU YD	27.2
50300280	CONCRETE ENCASEMENT	CU YD	3.5
① 50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,938
① 50800105	REINFORCEMENT BARS	POUND	2,950
* 50900205	STEEL RAILING, TYPE S1	FOOT	133
51201400	FURNISHING STEEL PILES HP10x42	FOOT	507
① 51202305	DRIVING PILES	FOOT	507
① 51203400	TEST PILE STEEL HP10x42	EACH	1
51500100	NAME PLATES	EACH	1
① 542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	36
67100100	MOBILIZATION	L SUM	1
* ① 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4

① SEE SPECIAL PROVISIONS

CONSTRUCTION TYPE CODE: X080-24

\* SPECIALTY ITEMS

**PIPE CULVERT REMOVAL**

STATION	SIZE	SIDE	FOOT
18+98	12"	RIGHT	29
TOTAL			29

**PIPE CULVERTS,  
CLASS D, TYPE 1 15"**

STATION	SIDE	FOOT
18+98	RIGHT	36
TOTAL		36

**EARTHWORK SUMMARY**

STATION TO STATION	EARTH EXCAVATION	CHANNEL EXCAVATION	STRUCTURE EXCAVATION	FILL	WASTE (SHORTAGE)
	CU YD	CU YD	CU YD	CU YD	CU YD
RDWY 17+50.00 - 19+69.25	75			590	(534)
RDWY 20+35.75 - 22+50.00	122			558	(467)
CHANNEL		220			
STRUCTURE			70		
TOTAL	197	220	70	1,148	(1,001)
USE	195	220	70	-	(1,000)

(© 25% SHRINKAGE)

**TEMPORARY DITCH CHECKS**

STATION	SIDE	FOOT
19+92	RIGHT	12
20+15	LEFT	12
20+50	RIGHT	12
21+20	LEFT	12
21+50	RIGHT	12
TOTAL		60

**TREE REMOVAL**

STATION	OFFSET	SIDE	OVER 15 UNITS
19+82	32'	LEFT	24
TOTAL			24

**INLET & PIPE PROTECTION**

STATION	SIDE	EACH
18+80	RIGHT	1
TOTAL		1

**PERIMETER EROSION BARRIER**

STATION TO STATION	SIDE	FOOT
17+50 - 19+62	LEFT	230
18+80 - 19+15	RIGHT	40
22+25 - 22+50	LEFT	25
TOTAL		295

**AGGREGATE SURFACE COURSE, TYPE A**

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
17+50.00 - 18+00.00	1.00'	20.06' AVG.	50.00'	70
18+00.00 - 19+69.25	1.00'	25.00'	169.25'	296
ABUTMENT BACKFILL - SEE SPECIAL PROVISIONS				37
20+35.75 - 22+00.00	1.00'	25.00'	164.25'	287
22+00.00 - 22+50.00	1.00'	19.44' AVG.	50.00'	68
TOTAL				758