

EARTHWORK ANALYSIS

LOCATION	20200100 EARTH EXCAVATION		EARTHWORK BALANCE	
	EARTH EXCAVATION	EMBANKMENT ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT	WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
RT 9+25.00 TO 9+80.00	96.0	72.0	65.0	7.00
LT 9+25.00 TO 9+80.00	31.00	23.3	20.00	3.25
RT 10+22.00 TO 10+70.00	30.0	22.5	20.0	2.50
LT 10+22.00 TO 10+70.00	58.0	43.5	79.0	-35.50
* RT 626+36.00 628+36.00	11.1	8.3	0.0	8.33
* LT 626+36.00 628+36.00	11.1	8.3	0.0	8.33
RT 889+00.00 891+50.00	38.0	28.5	10.0	18.50
LT 887+00.00 892+00.00	99.00	74.25	8.00	66.25
TOTALS=	247.2	185.4	117.0	78.7
FINAL TOTALS=	248.0	186.0	117.0	79.0

EARTHWORK BALANCE = EARTH EXCAVATION X ADJUSTMENT FOR SHRINKAGE (0.75) - EMBANKMENT

EARTH EXCAVATION = 248.0 CUBIC YARDS

724.0 CUBIC YARDS OF STRUCTURE EXCAVATION FROM SN 092-8074 AND SN 092-8073 IS UNSUITABLE MATERIAL FOR EMBANKMENT

* EXCAVATION FOR THESE AGGREGATE SHOULDERS NOT CALCULATED WITH THE CROSS SECTIONS.

20700220 POROUS GRANULAR EMBANKMENT

LOCATION	VOLUME (CU YD)	STATION	VOLUME (CU YD)
SN 092-8074	183.0	889+17.00	18.0' LT TO 18.0' RT 43.0
SN 092-8073	42.0		TOTAL= 43.0
TOTAL=	225.0		USE= 43.0

USE= 225.0
21301052 EXPLORATION TRENCH 52" DEPTH

STATION	TO	STATION	LENGTH (FT)
LT 626+69		628+19	150.0
RT 626+80		628+00	120.0
LT 889+02		889+72	70.0
RT 889+02		889+72	70.0
		TOTAL=	410.0
		USE=	410.0

LOCATION	25000200 SEEDING CLASS 2		25000400 NITROGEN FERTILIZER	25000500 PHOSPHORUS FERTILIZER	25000600 POTASSIUM FERTILIZER	25100115 MULCH METHOD 2	28000250 TEMPORARY EROSION CONTROL SEEDING
	ACRE	ACRE	POUND	POUND	POUND	ACRE	POUND
SN 092-8074	0.15	0.15	13.5	13.5	13.5	0.15	15.0
SN 092-8073	0.35	0.35	31.5	31.5	31.5	0.35	35.0
TOTAL=	0.50	0.50	45.0	45.0	45.0	0.50	50.0
USE=	0.5	0.5	45.0	45.0	45.0	0.5	50.0

28000305 TEMPORARY DITCH CHECKS

STATION	LENGTH (FT)
887+00.00 LT	10.0
888+00.00 LT	10.0
889+00.00 LT & RT	20.0
889+75.00 LT & RT	20.0
890+75.00 LT & RT	20.0
891+50.00 RT	10.0
892+00.00 LT	10.0
TOTAL=	100.0
USE=	100.0

28000400 PERIMETER EROSION BARRIER

STATION	TO	STATION	LENGTH (FT)
626+83.00		626+93.00	RT 10.0
626+69.00		626+79.00	LT 10.0
627+23.00		627+56.00	RT 33.0
627+43.00		627+75.00	LT 32.0
627+87.00		627+97.00	RT 10.0
628+10.00		628+20.00	LT 10.0
886+90.00		892+10.00	LT 520.0
888+97.00		891+60.00	RT 263.0
		TOTAL=	888.0
		USE=	888.0

28000500 INLET AND PIPE PROTECTION

STATION	EACH
626+65.53 LT	1.0
627+16.00 RT	1.0
628+08.88 LT	1.0
628+15.63 RT	1.0
889+17.00 LT	1.0
889+17.00 RT	1.0
889+33.39 RT	1.0
TOTAL=	7.0
USE=	7.0

28100107 STONE RIP RAP CLASS A4

LOCATION	AREA (SQ YD)
SN 092-8074 LT	140.9
SN 092-8074 RT	105.4
SN 092-8073 LT	91.7
SN 092-8073 RT	91.7
TOTAL=	429.7
USE=	430.0

28200200 FILTER FABRIC

LOCATION	AREA (SQ YD)
SN 092-8074 LT	140.9
SN 092-8074 RT	105.4
SN 092-8073 LT	91.7
SN 092-8073 RT	91.7
TOTAL=	429.7
USE=	430.0

35101800 AGGREGATE BASE COURSE, TYPE B 6"

STATION	AREA (SQ YD)
626+64.42 RT	14.0
626+88.98 LT	13.2
627+60.89 LT	20.8
628+03.67 RT	11.0
TOTAL=	59.0
USE=	59.0

40200800 AGGREGATE SURFACE COURSE, TYPE B

STATION	TONS
626+64.42 RT	58.5
626+88.98 LT	78.8
627+60.89 LT	68.7
628+03.67 RT	51.8
TOTAL=	257.8
USE=	258.0

44201347 CLASS C PATCHES, TYPE IV, 9"

STATION	TO	STATION	AREA SQ YD
LT 889+12.00		889+57.00	65.0
RT 889+12.00		889+57.00	65.0
		TOTAL=	130.0
		USE=	130.0

44201409 CLASS C PATCHES, TYPE IV, 14"

STATION	TO	STATION	AREA SQ YD
LT 627+14.00		627+55.00	59.2
RT 627+14.00		627+55.00	59.2
		TOTAL=	118.4
		USE=	119.0

44213100 PAVEMENT FABRIC

STATION	TO	STATION	AREA SQ YD
LT 627+14.00		627+55.00	59.2
RT 627+14.00		627+55.00	59.2
LT 889+12.00		889+57.00	65.0
RT 889+12.00		889+57.00	65.0
		TOTAL=	248.4
		USE=	249.0