STATE	PROJECT NO.	SECTION NO.	SHEET NO.
ND	SS-8-018(088)064	11	1

	End Area (SF)		Volume (CY)		
	Excavation	Embankment	Excavation	Embankment	Mass Ordinate
452+09.20	24				0.0
452+10.00	44		1.1		1.1
452+15.00	254		30.3		31.4
452+20.00	576		84.5		115.9
452+25.00	899		150.2		266.1
452+30.00	1228		216.6		482.7
452+35.00	1566		284.6		767.2
452+38.00	1695		199.3		966.5
452+40.00	1686		137.7		1104.2
452+41.00	1677		68.5		1172.7
452+45.00	1590		266.2		1438.9
452+50.00	1476		312.3		1751.2
452+55.00	1436	0	296.5	0.0	2047.7
452+60.00	1384	0	287.2	0.0	2334.9
452+65.00	1369	0	280.4	0.0	2615.3
452+70.00	1400	0	282.0	0.0	2897.3
452+75.00	1449	0	290.2	0.0	3187.5
452+80.00	1436	0	293.8		3481.3
452+85.00	1423	0	291.2		3772.5
452+90.00	1428	0	290.5		4062.9
452+95.00	1417	0	289.9		4352.8
453+00.00	1411	0	288.1		4640.9
453+05.00	1440	0	290.3		4931.2
453+05.32	1440	0	18.8		4950.0
453+10.00	1325	0	263.6		5213.6
453+15.00	1076	0	244.5		5458.1
453+20.00	877	0	198.9		5657.0
453+25.00	746	0	165.3		5822.4
453+30.00	647	0	141.8		5964.2
453+35.00	586	0	125.5		6089.7
453+38.00	546	0	69.2		6158.9
453+40.00	559	0	45.0		6203.9
453+45.00	613	0	119.3		6323.2
453+50.00	680	0	131.6		6454.8
453+51.50	697	0	42.1		6496.9
453+55.00	642	0	95.5		6592.4
453+60.00	558	0	122.3		6714.7
453+65.00	465	0	104.2		6818.9
453+70.00	384	0	86.4		6905.3
453+70.43	376	0	6.7	0.0	6912.0
453+75.00	326	0	65.4	0.0	6977.4
453+80.00	297	0	63.5		7040.8
453+85.00	272	0	57.9		7098.8
453+90.00	242	0	52.3		7151.1
453+95.00	207	0	45.8		7196.9
454+00.00	170	0	38.5		7235.3
454+05.00	134	0	31.0		7266.4
454+10.00	103	0	24.2		7290.6
454+15.00	60	0	16.6		7307.2
454+20.00	10	0	7.2		7314.3
454+20.50	4	0	0.1	0.0	7314.5

	Volume (CY)		
	Excavation	Embankment	Mass Ordinate
Total:	**7314.6**	**0.0**	

REGISTERED PROFESSIONAL ENGINEER
Aaron Derman
Derman, Aaron J.
PE-27165
05/30/18
NORTH DAKOTA

Earthwork Data Table

ND Highway 18 Slide Repair

9 Miles North of Jct ND 46