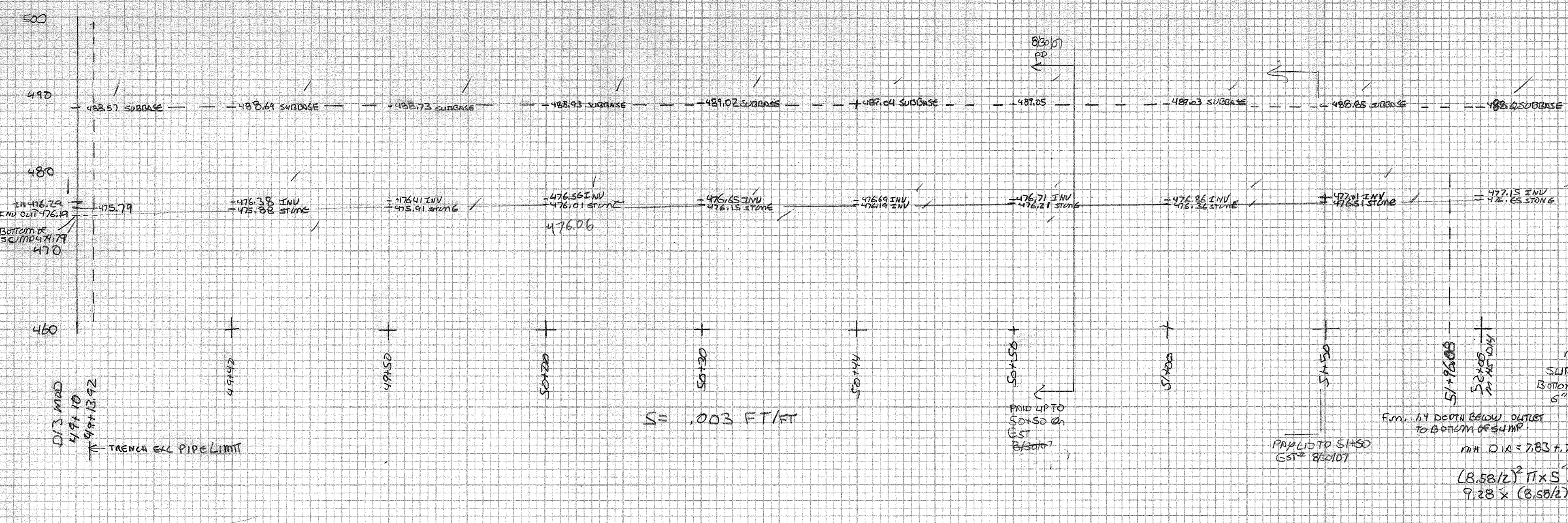


NTS

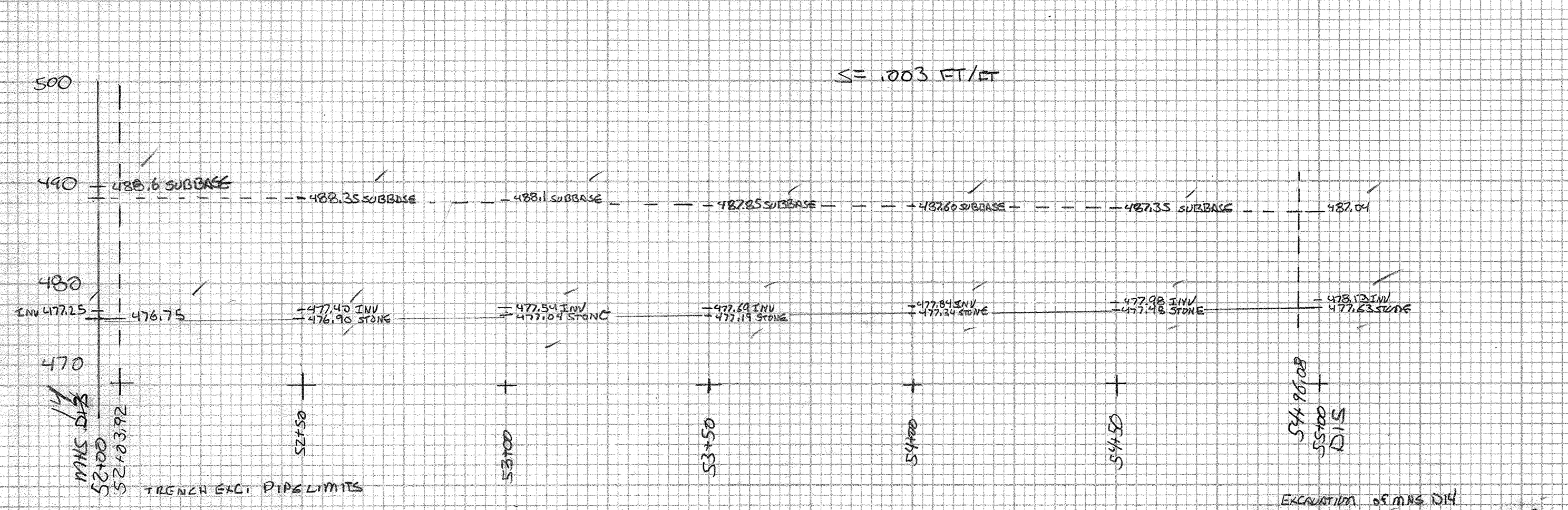
SEWITARY SEWERS LIS. ROUTE 5 HARTFORD AVE

28 STATION 49+00 TO 52+00 (290 LIF)  
 D13 (MOD DROP) MNS D14



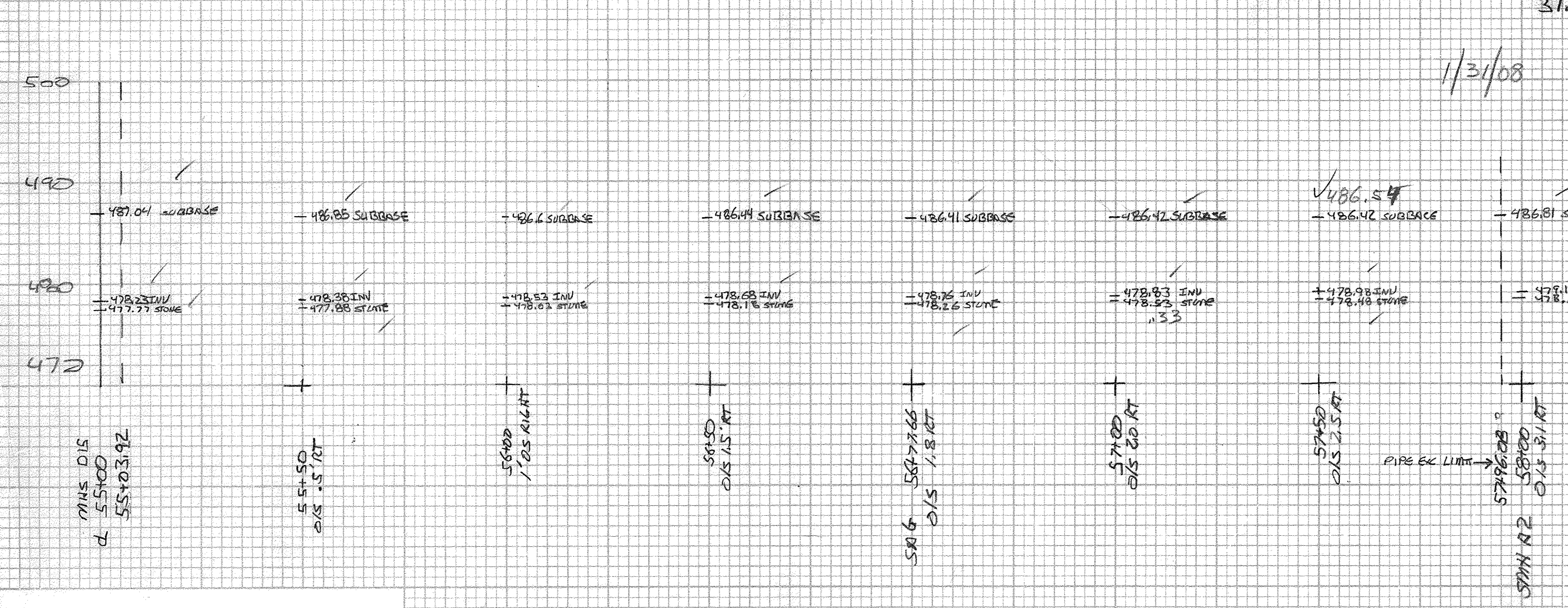
ITEM	204.20	TRENCH EXCAVATION OF EARTH						
STATION	HEIGHT	AVG. HT	≤ 5'	+ 5'	WIDTH	LENGTH	C.V.	150%
49+00	12.81	12.815	5	7.79	3.28	26.08	15.84	37.02
49+50	12.82	12.87	5	7.815	3.28	10	6.07	14.24
50+00	12.92	12.90	5	7.87	3.28	50	30.37	71.70
50+30	12.87	12.86	5	7.92	3.28	30	18.22	45.19
50+44	12.85	12.845	5	7.86	3.28	14	8.58	20.05
50+50	12.84	12.76	5	7.845	3.28	6	3.64	8.58
51+00	12.67	12.505	5	7.76	3.28	50	30.37	70.70
51+50	12.34	12.75	5	7.50	3.28	50	30.37	68.33
51+96.08	11.97	12.75	5	7.75	3.28	46.08	28.00	65.08
EXCAVATION OF MNS D13 (MOD) TO BE BASED ON SWOP DWG 171.38 398.89 395.89								565.27 568.27 405.2

38 STATION 52+00 TO 55+00 (300 LIF)  
 (MNS D14)



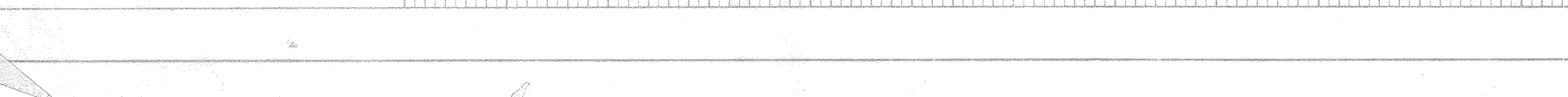
ITEM	204.20	TRENCH EXCAVATION OF EARTH						
STATION	HEIGHT	AVG. HT	≤ 5'	+ 5'	WIDTH	LENGTH	C.V.	150%
52+03.92	11.85	11.65	5	6.65	3.28	46.08	27.99	55.83
52+50	11.45	11.25	5	6.25	3.28	50	30.37	56.94
53+00	11.06	10.86	5	5.86	3.28	50	30.37	53.39
53+50	10.66	10.46	5	5.46	3.28	50	30.37	49.75
54+00	10.26	10.06	5	5.06	3.28	50	30.37	46.10
54+50	9.87	9.64	5	4.64	3.28	46.08	27.99	38.96
54+96.08	9.41							
EXCAVATION OF MNS D15 TO BE BASED ON SWOP DWG 177.46 300.51 300.97								478.43 477.97 300.97

48 STATION 55+00 TO 58+00 (SMH D15)  
 SMH A2



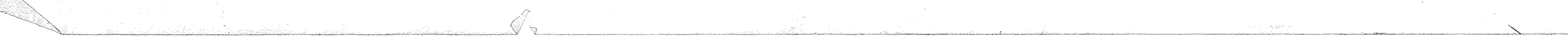
ITEM	204.20	TRENCH EXCAVATION OF EARTH						
STATION	HEIGHT	AVG. HT	≤ 5'	+ 5'	WIDTH	LENGTH	C.V.	150%
55+03.92	9.27	9.12	5	4.12	3.28	46.08	27.99	34.59
55+50	8.97	8.77	5	3.77	3.28	50	30.37	34.35
56+00	8.57	8.415	5	3.41	3.28	50	30.37	31.07
56+50	8.26	8.20	5	3.2	3.28	27.66	16.80	16.13
56+77.46	8.15	8.02	5	3.02	3.28	22.34	13.57	12.70
57+00	8.09	8.075	5	2.97	3.28	22.34	13.57	12.70
57+50	8.06	8.125	5	3.075	3.28	50.0	30.37	28.02
57+96.08	8.19	8.06	5	2.96	3.28	46.08	27.99	26.24
EXCAVATION OF MNS D15 TO BE BASED ON SWOP DWG 177.46 180.63 183.10								360.56 358.09 183.10

49 STATION 58+00 TO 61+00 (SMH D15)  
 SMH A2



ITEM	204.20	TRENCH EXCAVATION OF EARTH						
STATION	HEIGHT	AVG. HT	≤ 5'	+ 5'	WIDTH	LENGTH	C.V.	150%
58+03.92	8.12	8.02	5	3.02	3.28	46.08	27.99	34.59
58+50	7.97	7.97	5	2.97	3.28	50	30.37	34.35
59+00	7.82	7.82	5	2.82	3.28	50	30.37	31.07
59+50	7.67	7.67	5	2.67	3.28	27.66	16.80	16.13
59+77.46	7.52	7.52	5	2.52	3.28	22.34	13.57	12.70
60+00	7.37	7.37	5	2.37	3.28	22.34	13.57	12.70
60+50	7.22	7.22	5	2.22	3.28	50.0	30.37	28.02
60+96.08	7.07	7.07	5	2.07	3.28	46.08	27.99	26.24
EXCAVATION OF MNS D15 TO BE BASED ON SWOP DWG 177.46 180.63 183.10								360.56 358.09 183.10

50 STATION 61+00 TO 64+00 (SMH D15)  
 SMH A2



ITEM	204.20	TRENCH EXCAVATION OF EARTH						
STATION	HEIGHT	AVG. HT	≤ 5'	+ 5'	WIDTH	LENGTH	C.V.	150%
61+03.92	6.92	6.82	5	1.82	3.28	46.08	27.99	34.59
61+50	6.77	6.77	5	1.77	3.28	50	30.37	34.35
62+00	6.62	6.62	5	1.62	3.28	50	30.37	31.07
62+50	6.47	6.47	5	1.47	3.28	27.66	16.80	16.13
62+77.46	6.32	6.32	5	1.32	3.28	22.34	13.57	12.70
63+00	6.17	6.17	5	1.17	3.28	22.34	13.57	12.70
63+50	6.02	6.02	5	1.02	3.28	50.0	30.37	28.02
63+96.08	5.87	5.87	5	0.87	3.28	46.08	27.99	26.24
EXCAVATION OF MNS D15 TO BE BASED ON SWOP DWG 177.46 180.63 183.10								360.56 358.09 183.10

EXCAVATION OF MNS D13 (MOD) TO BE BASED ON SWOP DWG  
 171.38  
 398.89  
 395.89

EXCAVATION OF MNS D15 TO BE BASED ON SWOP DWG  
 177.46  
 300.51  
 300.97

EXCAVATION OF MNS D15 TO BE BASED ON SWOP DWG  
 177.46  
 180.63  
 183.10

ITEM 204.30 GRANULAR BACKFILL FOR STRUCTURES  
 (292.16(LF+S+1) x 1.13 x 1/27) = 40.51 CY  
 UNDER MNS D13 = 1.20 CY

ITEM 204.30 GRANULAR BACKFILL FOR STRUCTURES  
 (292.16(LF+S+1) x 1.13 x 1/27) = 40.51 CY  
 UNDER MNS D15 = 1.20 CY

EXCAVATION PD 10/23/08  
 204.20 TRENCH EXC.  
 PIPE = 478.43  
 MNS DIA = 31.26 CY  
 S = 507.69 CY  
 CUB. 05/11/10  
 RCL 1/31/11

EXCAVATION PD 10/23/07  
 2436 - MNS D15  
 360.56  
 358.09  
 183.10  
 CUB. 05/14/10

EXCAVATION PD 10/23/07  
 2436 - MNS D15  
 360.56  
 358.09  
 183.10  
 CUB. 05/14/10

EXCAVATION PD 10/23/07  
 2436 - MNS D15  
 360.56  
 358.09  
 183.10  
 CUB. 05/14/10

EXCAVATION PD 10/23/07  
 2436 - MNS D15  
 360.56  
 358.09  
 183.10  
 CUB. 05/14/10

ORIGINAL SURVEY NOTE BOOK NO. 19216  
 PLOTTED DATE 1/31/08  
 CHECKED BY RCL 2/25/08  
 FINAL SURVEY NOTE BOOK NO. 313108  
 PLOTTED DATE 1/31/08  
 CHECKED BY RCL 3/13/08

FINAL SURVEY NOTE BOOK NO. 313108  
 PLOTTED DATE 1/31/08  
 CHECKED BY RCL 3/13/08