FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

DRAINAGE NOTE 14: (DRAINAGE BOOK 2, p. 70)

204.20 TRENCH EXCAVATION OF EARTH (@ 100% FACTOR) $39.62m^2 \times 1.45m = 57.4\ m^3$

NOTE: END AREA BY (X,Y) COORDINATES

POINT #	OFFSET (X)	ELEVATION (Y)
1	Ø	35.60
2	-3.50	35.59
3	-8.68	35.68
4	-9.10	35.56
5	-13.2	35.53
6	-13.2	36.06
7	-8.68	37.18
8	+7.70	36.85
9	8.84	37.42
10	21.22	35.71
11	10.85	35.68
12	8.84	35.42
13	8.23	35.65
1	Ø	35.60

END AREA USING AREA PROGRAM: $39.62\ m^2$

TOTAL TRENCH EXCAVATION EARTH (DRAINAGE NOTE 14):

100% $57.4m^3$
150% $1.5\ m^3$
$58.9\ m^3$

STW 6/28/06
STW 12-14-07

TRENCH EARTH @ 150% PAY FACTOR:

POINT #	OFFSET	ELEVATION
1A	-3.50	35.59
2A	-9.10	35.56
3A	-8.68	35.68
1A	-3.50	35.59

END AREA: $0.33\ m^2$

1B	+10.85	35.68
2B	8.23	35.65
3B	8.84	35.42
1B	10.85	35.68

END AREA: $0.34\ m^2$

TRENCH EARTH @ 150%: $0.67m^2 \times 1.45 \times 1.5 = 1.5\ m^3$

BANKING INFO.

SIDE SLOPE	LEFT SHOULDER	LEFT TRAVEL WAY	RIGHT SHOULDER	RIGHT TRAVEL WAY	POINT #	ALONG SKEW X	Y	STATION	FINISH GRADE ℄	OFFSET	FINISH GRADE
1:4	-0.01	+0.036			1	11.67	-3.50	0+016.0	37.943	11.0 LT	36.405
	-0.01	+0.036			2	4.77	-1.59	0+018.3	38.041	4.5 LT	38.135
	-0.01	+0.034			3	3.50	-1.17	0+018.7	38.058	3.3 LT	38.170
	-0.01	+0.035			4	Ø	Ø	0+019.9	38.110	℄	38.110
			-0.060	-0.038	5	3.50	+1.17	0+021.1	38.161	3.3 RT	38.052
			-0.060	-0.037	6	4.77	+1.59	0+021.5	38.178	4.5 RT	37.984
1:6.25			-0.060	-0.045	7	21.22	+7.08	0+027.0	38.414	20.0 RT	35.714

DESIGN PIPE INVERTS: INLET 35.711, OUTLET 35.551

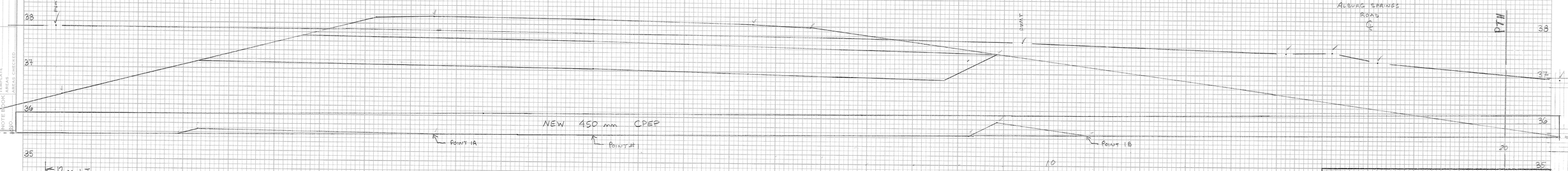
AS BUILTS: IN 35.820, OUT 35.820

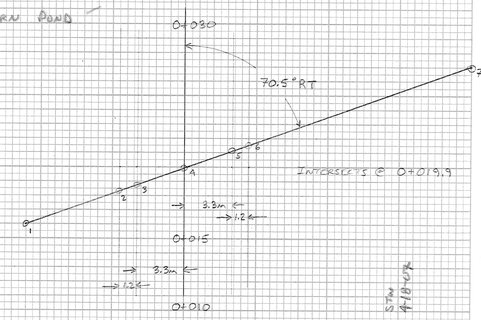
PAY QUANTITIES BASED ON PLAN INVERTS

PIPE WAS INSTALLED FLAT TO HELP GOVERN POND WATER ELEVATION.

STW 12/14/07

SONGAYTOA





ALBURG - SWANTON BRF 036-1(1)

DRAINAGE

DRAWN BY: S. WHEATLEY 6-28-06
CHECKED BY:
SCALE
SHEET 5 OF 10

Plot ✓ by SKEW 04/25/07

HIGHWAY FEDERAL AID SHEET
PLATE 3-FULL CROSS SECTION-FULL LINE
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