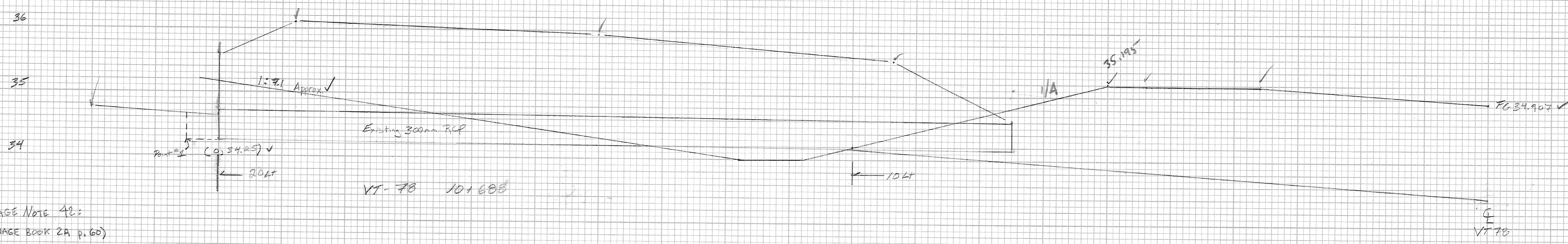
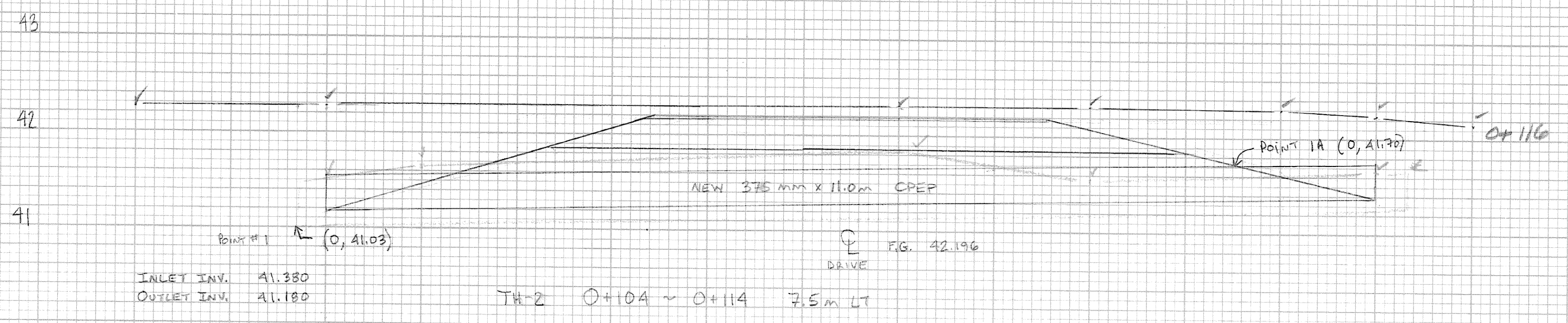


DATE _____ BY _____
 ORIGINAL SURVEY PLOTTED _____
 SURVEY PLOTTED _____
 NOTE BOOK TEMPLATE _____
 NO. _____ AREA CHECKED _____

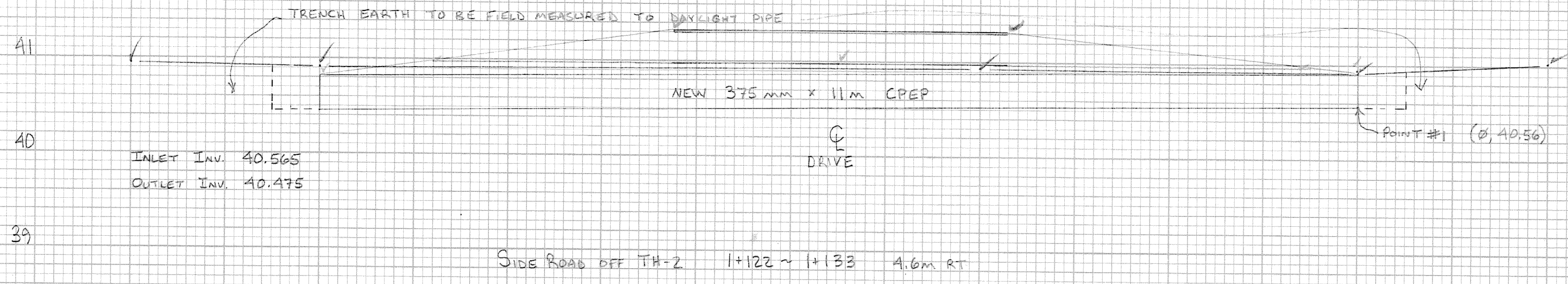
DRAINAGE Note 1B:
 (DRAINAGE BOOK 2 p. 98)



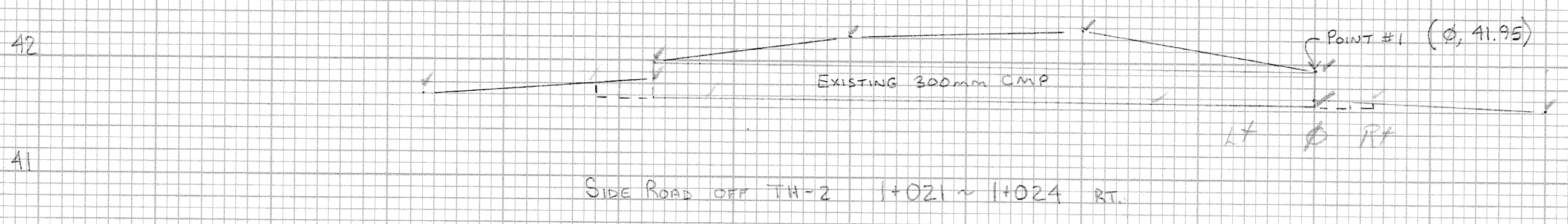
DRAINAGE Note 42:
 (DRAINAGE BOOK 2A p. 60)



DRAINAGE Note 4B:
 (DRAINAGE BOOK 2A p. 36)



DRAINAGE Note 4G:
 (DRAINAGE BOOK 2A p. 78)



Plot by Bear 04/21/07

20A.21 TRENCH ROCK FIELD MEASUREMENTS BY STW 3/5/07
 $0.762m \times 0.762m \times 1.20m = 0.70m^3$ 12-14-07
 $1.45 \times 1.35 = 1.95m^2$
 $1.95 \times 1.35 = 2.63m^3$

20A.20 TRENCH EARTH
 $3.64m^2 \times 1.35m = 4.91m^3$
 END AREA BY (X,Y) COORDINATES
 X = OFFSET
 Y = ELEVATION

POINT #	OFFSET (X)	ELEVATION (Y)
1	0	34.29
2	0.5	34.65
3	0.5	34.65
4	0.5	34.65
5	7.3	34.10
6	0	34.35

AREA USING AREA PROGRAM: $3.64m^2$

20A.21 TRENCH ROCK: $6.31m^2 \times 1.375m = 8.7m^3$ STW 10-30-06

END AREA BY (X,Y) COORDINATES
 X = OFFSET
 Y = ELEVATION

POINT #	OFFSET (X)	ELEVATION (Y)
1	0	41.03
2	11.60	41.23
3	11.60	41.65
4	8.30	41.55
5	6.30	41.85
6	1.30	41.64
7	0	41.46
8	0	41.03

AREA USING AREA PROGRAM: $6.31m^2$

20A.20 TRENCH EARTH: $0.88m^2 \times 1.375m = 1.2m^3$ STW 10/30/06

END AREA BY (X,Y) COORDINATES
 X = OFFSET
 Y = ELEVATION

POINT #	OFFSET (X)	ELEVATION (Y)
1A	0	41.70
2	-2.4	41.70
3	-2.4	41.85
4	-2.4	41.70
5	-1.7	41.85
6	-1.5	41.85
7A	0	41.70

END AREA: $0.88m^2$

20A.30 GRANULAR ROCKFILL FOR STRUCTURES
 0.150M BEDDING AND OVER PIPE BACKFILL

$0.675 \times 1.375 \times 11m = 10.2m^3$
 LESS PIPE T.R.L.
 $3.14 \times 1.88^2 \times 11 = 1.22m^3$
 $10.2 - 1.22 = 9.0m^3$

20A.20 TRENCH EARTH: $4.95m^2 \times 1.375m = 6.8m^3$

END AREA BY (X,Y) COORDINATES
 X = OFFSET
 Y = ELEVATION

POINT #	OFFSET (X)	ELEVATION (Y)
1	0	40.96
2	-11.5	40.97
3	-11.5	40.91
4	-11.0	40.91
5	-4.0	40.93
6	0	40.96
7	0.5	40.93
8	0.5	40.56
9	0	40.56

AREA USING AREA PROGRAM: $4.95m^2$

20A.20 TRENCH EARTH: $2.92m^2 \times 1.30m = 3.8m^3$

END AREA BY (X,Y) COORDINATES
 X = OFFSET
 Y = ELEVATION

POINT #	OFFSET (X)	ELEVATION (Y)
1	0	41.95
2	-2	42.28
3	-4	42.21
4	-5.7	41.93
5	-5.7	41.84
6	-6.2	41.82
7	-6.2	41.63
8	0.5	41.65
9	0.5	41.70
10	0	41.71
11	0	41.95

AREA USING AREA PROGRAM: $2.92m^2$

ALBURG-SWANTON BRFD36-1(i)
 DRAINAGE
 DRAWN BY: S. WHEATLEY 6-3-06
 CHECKED BY: _____
 SCALE 1:40 (H+V) SHEET 10 OF 10