

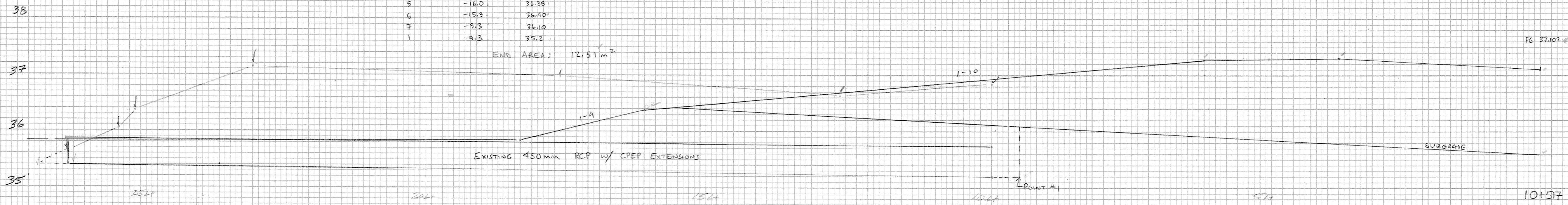
DATE: _____
 BY: _____
 ORIGINAL SURVEY
 NOTE BOOK
 TEMPLATE
 NO. _____
 AREAS CHECKED

DRAINAGE NOTE #15 (DRAINAGE BOOK 2, P. 7A)

204.20 TRENCH EARTH

| POINT # | OFFSET | ELEVATION |
|---------|--------|-----------|
| 1 | -9.3' | 35.20' |
| 2 | -26.8' | 35.40' |
| 3 | -25.9' | 35.82' |
| 4 | -18.2' | 35.42' |
| 5 | -16.0' | 36.39' |
| 6 | -15.3' | 36.40' |
| 7 | -9.3' | 36.10' |
| 1 | -9.3' | 35.2' |

TOTAL T.E. = $12.51 \text{ m}^2 \times 1.45 \text{ m} = 18.1 \text{ m}^3$ STW 10/30/06 JMA 11/12-07



DRAINAGE NOTE #13 (DRAINAGE BOOK 2, P. 6B)

204.20 TRENCH EARTH:

$6.56 \text{ m}^2 \times 1.60 \text{ m} = 10.5 \text{ m}^3$ STW 9/26/07

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

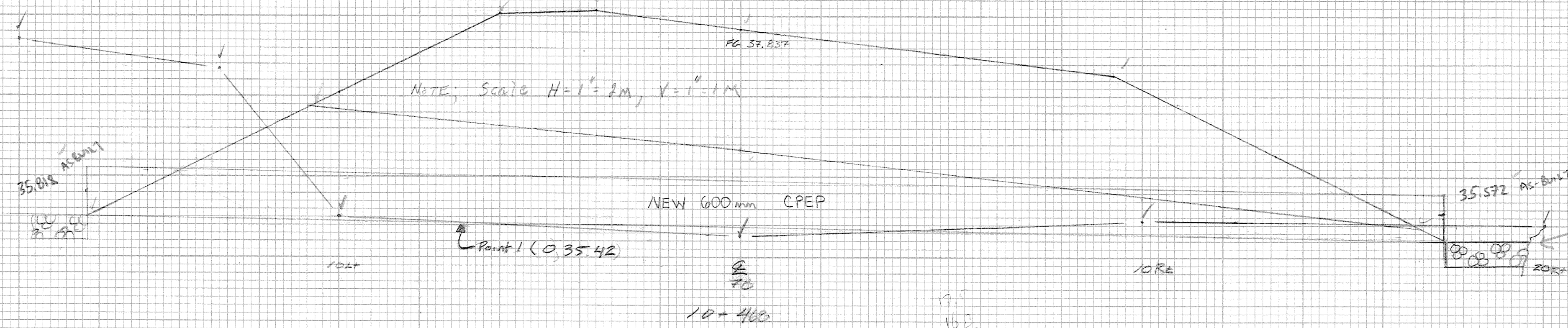
| POINT | OFFSET | ELEVATION |
|-------|--------|-----------|
| 1 | 0 | 35.42 |
| 2 | -9.3' | 35.50 |
| 3 | -3.8' | 36.89 |
| 4 | -3.0' | 35.50 |
| 1 | 0 | 35.42 |

AREA 1 USING AREA PROGRAM = 4.60 m²

| POINT | OFFSET | ELEVATION |
|-------|--------|-----------|
| 1a | 11.0' | 35.32 |
| 2 | 17.0' | 35.45 |
| 3 | 22.7' | 35.41 |
| 4 | 23.9' | 35.36 |
| 5 | 23.9' | 35.41 |
| 6 | 24.5' | 35.40 |
| 7 | 24.5' | 35.20 |
| 1a | 11.0' | 35.32 |

AREA 2 USING AREA PROGRAM = 1.96 m²

TOTAL AREA = 4.60 + 1.96 = 6.56 m²



DRAINAGE NOTE #2 (DRAINAGE BOOK 2, PAGE 1A)

TOTAL QUANTITIES:

204.21 TRENCH FLOOR: 11.63 m^2
 204.20 TRENCH EARTH: $0.4 \text{ m}^2 + 4.9 \text{ m}^2 + 3.7 \text{ m}^2 = 9.0 \text{ m}^2$

204.21 TRENCH FLOOR (DI): $0.31 \text{ m}^2 + 1.30 \text{ m}^2 = 1.61 \text{ m}^2$ JMA 6-19-06

DI CURB (PER STANDARD D-10) = 0.31 m^2
 DI 4x4x3" (PER STANDARD D-6) = 1.30 m^2

204.20 TRENCH EARTH (DI): $0.11 \text{ m}^2 \times 2.2 \text{ m} \times 1.3 = 0.4 \text{ m}^3$

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

| POINT | OFFSET | ELEVATION |
|-------|--------|-----------|
| 1a | -9.4 | 39.00 |
| 2 | -9.9 | 39.00 |
| 3 | -9.9 | 39.30 |
| 4 | -9.4 | 39.15 |
| 1a | -9.4 | 39.00 |

USING AREA PROGRAM = 0.11 m²

204.20 TRENCH EARTH (DI): $(3.12 \text{ m}^2 \times 2.2 \text{ m}) - (1 \text{ m} \times 1 \text{ m} \times 0.95) = 4.9 \text{ m}^3$

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

| POINT | OFFSET | ELEVATION |
|-------|--------|-----------|
| 1 | 0 | 39.40 |
| 2 | 0 | 39.00 |
| 3 | -1.7 | 39.00 |
| 4 | -1.7 | 39.14 |
| 5 | -2.2 | 39.30 |
| 6 | -2.2 | 40.80 |
| 7 | -0.9 | 40.33 |
| 8 | 0 | 40.33 |
| 1 | 0 | 39.40 |

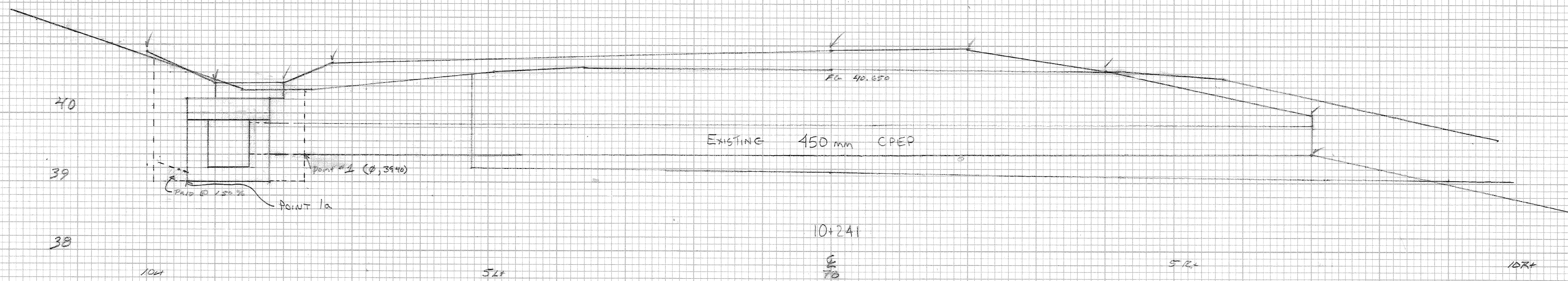
USING AREA PROGRAM = 3.12 m²

204.20 TRENCH EARTH (PIPE): $2.58 \text{ m}^2 \times 1.45 \text{ m} = 3.7 \text{ m}^3$ JMA 11/12-07

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

| POINT | OFFSET | ELEVATION |
|-------|--------|-----------|
| 1 | 0.0 | 39.40 |
| 2 | 0.0 | 40.33 |
| 3 | 2.45 | 40.58 |
| 4 | 2.45 | 39.40 |
| 1 | 0 | 39.40 |

USING AREA PROGRAM = 2.58 m²



ALBANY - SWANTON BRP 036-1(C)
 DRAINAGE
 DRAWN BY: J. POWELL DATE: 6-19-06
 CHECKED BY: DATE:
 SCALE: SHEET 4 OF 10