



DS-11

24+20.00

CLOPE = 0.563

PIPE T.E. 45' 20.5' ✓
 $A_1 = \frac{(2.2' \times 2.6') \times 22.8' + (1.6' \times 1.1')}{2} = 196.99 \text{ ft}^2$
 $A_2 = \frac{(2.6' \times 1.5') \times 33.7' + 3.6' \times 2.48.71 \text{ ft}^2}{2} = 259.02$
 TOTAL = $445.70 \text{ ft}^2 / 27 = 16.51 \text{ cy}$
 17.20 cy ✓

STRUCTURE EXC. T.E. 45'
 $\pi (2.6 \text{ ft})^2 \times (1.4 \times 3.6') = 131.63 \text{ ft}^3 / 27 = 4.88 \text{ cy}$

ITEM # 204.20
 TOT.E = 22.08 cy

GRAVELL BACKFILL 190.96 ✓
 $58.2' \times 0.8' \times 2.6' = 167.62 \text{ ft}^3$
 $\pi (0.8 \text{ ft})^2 \times 58.2' = 58.51 \text{ ft}^3$
 $121 \text{ cy} = 4.48 \text{ cy}$

1/25/08
 CP H
 TRSG 1/25/08

$357.57 - 356.01 = 1.56$
 $358.28 - 353.99 = 4.29$
 $2.925 \times 33.7 \times 3.75 \times 1/27 = 13.69$
 $4.73 \times 22.8 \times 3.75 \times 1/27 = 14.78$
 28.67 cy
 13L 6/1/08

LEGEND:
 F.G. FINISHED GRADE
 P.G. PROFILE GRADE

U.S. ROUTE 5 HARTFORD AVENUE

PROJECT NAME:	HARTFORD	FILE NAME:	\$\$\$FILENAME\$\$\$	PLOT DATE:	12-JUN-2007
PROJECT NUMBER:	RS 0113(40)	PROJECT LEADER:	KEN UPMAL	DRAWN BY:	E. ATKINS
		DESIGNED BY:	K. ISHIKURA	CHECKED BY:	K. ISHIKURA
			E. ATKINS	SHEET 193	OF 239

SHEET #7