



21+70.60
 ASKEW 9° 1' 1.9" LT

TRENCH exc. FOR PIPE 45'
 $A_1 = \frac{(3.2' + 2.7') \times 27.5'}{2} = 37.5 \times 16.11' = 371.88'$
 $A_2 = \frac{(1.5' + 3.5') \times 30.5'}{2} = 37.5 \times 30.5' = 378.81'$
 $A_3 = \frac{(2' + 4.5') \times 12.4'}{2} = 37.5 \times 12.4' = 377.68'$

GRANULAR BACKFILL G.B-1 OVER PIPE
 L PIPE: 77'
 $77' \times 36' \times 2.6' = 720.72 \text{ CY}$
 $77' \times 18' \times 2.7' = 565.76 \text{ CY}$
 $\frac{720.72 + 565.76}{2.75} = 20.90 \text{ CY}$

net. FOR PIPE = $915.3571 / 27 = 33.53 \text{ CY}$
 $92.41' \times 4' = 34.23 \text{ CY}$
 TBG 1/25/08

SOLID BACK EXC.
 $(3.64' \times 4' \times 4') / 27 = 2.16 \text{ CY}$
 T.R.
 $3.5' \times 4' \times 4' / 27 = 2.07 \text{ CY}$

DS-5
 8/21/07

5.9
 6.41 CY (T.R.)
 2.07 CY (T.R.)
 4.34 CY TBG 1/24/08
 3.83 CY
 34.23
 38.06 CY
 CPH 1/25/08
 TBG 1/25/08

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

U.S. ROUTE 5 HARTFORD AVENUE

PROJECT NAME: HARTFORD	PLOT DATE: 12-JUN-2007
PROJECT NUMBER: RS 0113(40)	DRAWN BY: E. ATKINS
FILE NAME: ****FILENAME***	CHECKED BY: K. ISHIKURA
PROJECT LEADER: KEN UPMAL	SHEET 191 OF 239
DESIGNED BY: K. ISHIKURA	
E. ATKINS	

SHEET #3