



CALCULATED AND DRAWN BY TBG 10/31/07

✓ *AK* 01/17/08
 ✓ TBG 01/24/08

DR 83

PIPE T.E. < 5'
 AREA (FROM CADD) = 73.95 SF * 3.6' = 266.22 CF/27 = 9.86 CY
1027

DS 83

STRUCTURE T.E. < 5'
 $(4.01 + 4.12) / 2 * \pi (3.42')^2 = 149.39 \text{ CF/27} = 5.53 \text{ CY}$
4065

DR 83 GRANULAR BACKFILL
 $(3.6' * .8' * 32.25) - [(\pi (.8')^2 / 2) * 32.25'] = 60.46 \text{ CF/27} = 2.24 \text{ CY}$
3872
 USED 34.58 LF OF 18" CPEP
3.75 *1.875* *1.875*
2.98 CY

36

U.S. ROUTE 5 HARTFORD AVENUE

NOTES:

- 1) REFER TO ROADWAY LAYOUT AND UTILITY LAYOUT SHEETS FOR PROPOSED ABANDONMENT, REMOVAL, OR PROTECTION REQUIREMENTS OF EXISTING UTILITIES IN CONFLICT WITH PROPOSED WORK.

PROJECT NAME: HARTFORD
 PROJECT NUMBER: RS 0113(40)

FILE NAME: ****FILENAME***
 PROJECT LEADER: KEN UPMAL
 DESIGNED BY: K. ISHIKURA
 E. ATKINS

PLOT DATE: 03-JAN-2008
 DRAWN BY: E. ATKINS
 CHECKED BY: K. ISHIKURA
 SHEET 220 OF 239

SHEET #30