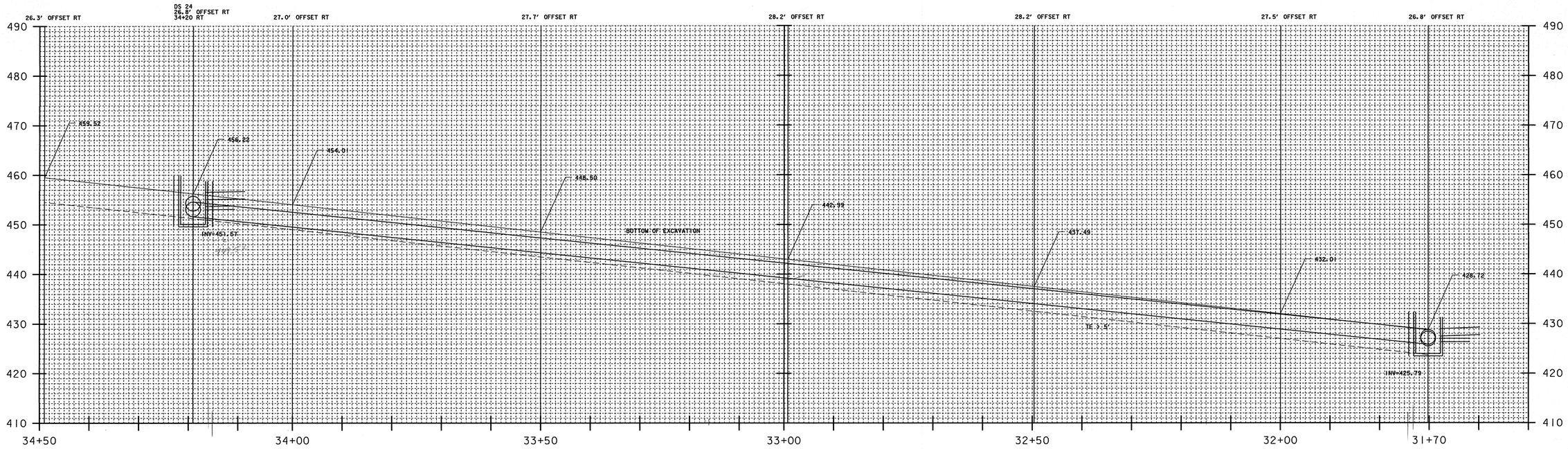
DR 24



CALCULATED AND DRAWN BY TBG 2/05/08

DR 24

PIPE T.E. < 5'
AREA (FROM CADD) = 914.71 SF * ~~5.10'~~ 5.5 =4665.02 CF/27 = ~~172.78~~ 186.33 CY

DS 24

STRUCTURE T.E. < 5'
5' * PI(4.00')² = 251.33 CF/27 = 9.31 CY

STRUCTURE T.E. > 5'
1.5[((2.08' + 1.22')/2) * PI(4.00')²] = 124.41 CF/27 = 4.61 CY
TOT= 13.92 CY

DR 24 GRANULAR BACKFILL
~~5.10'~~ * ~~1.55'~~ * 243.0') -[((PI(1.55')²/2) *243.0')]= 1003.87 CF/27 = 37.18 CY

02/21/08

SHEET #11

PROJECT NAME:	HARTFORD
PROJECT NUMBER:	RS 0113(40)
FILE NAME: $$$$FILENAME$$$	PLOT DATE: 06-FEB-2008
PROJECT LEADER: KEN UPMAL	DRAWN BY: E. ATKINS
DESIGNED BY: K. ISHIKURA, E. ATKINS	CHECKED BY: K. ISHIKURA
	SHEET 220 OF 239