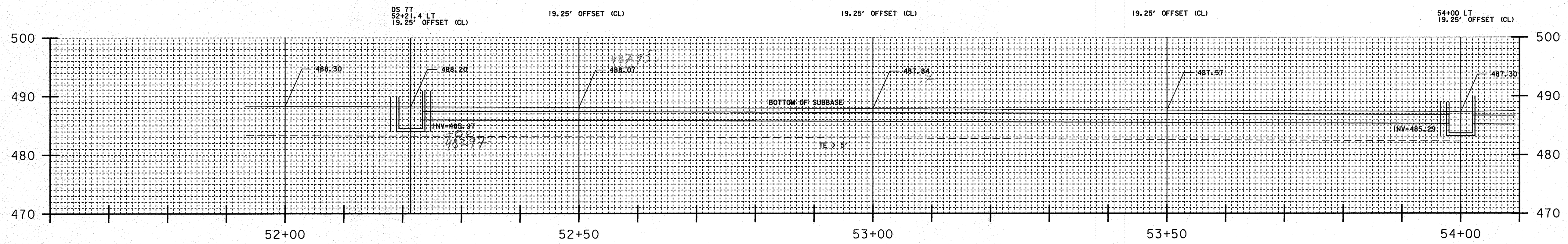


REDESIGN DR 77



CALCULATED AND DRAWN BY TBG 11/2/07

✓ *CPH* 01/14/08
 ✓ *TBG* 01/22/08

DR 77
 PIPE T.E. < 5'
 AREA (FROM CADD) = 374.15 SF * 3.6' = 1346.94 CF/27 = ~~49.89~~ ³⁷⁵ 51.92 ✓
 423 ✓

DS 77
 STRUCTURE T.E. < 5'
 $(4.36 + 4.2) / 2 * \pi (3.42')^2 = 157.45 \text{ CF/27} = 5.83 \text{ CY}$ *ok*

DR 77 GRANULAR BACKFILL
 $(3.6' * .8' * 176.2') - [(PI (.8')^2 / 2) * 176.2'] = 330.32 \text{ CF/27} = 12.23 \text{ CY}$ ^{266.36} ✓
 USED 178.5 LF OF 18" CPEP ¹⁸⁷⁵ (211.80) ✓

~~179~~ *ok* ✓

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

FILE NAME: ****FILENAME****	PLOT DATE: 03-JAN-2008
PROJECT LEADER: KEN UPMAL	DRAWN BY: E. ATKINS
DESIGNED BY: K. ISHIKURA	CHECKED BY: K. ISHIKURA
E. ATKINS	SHEET 219 OF 239

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