

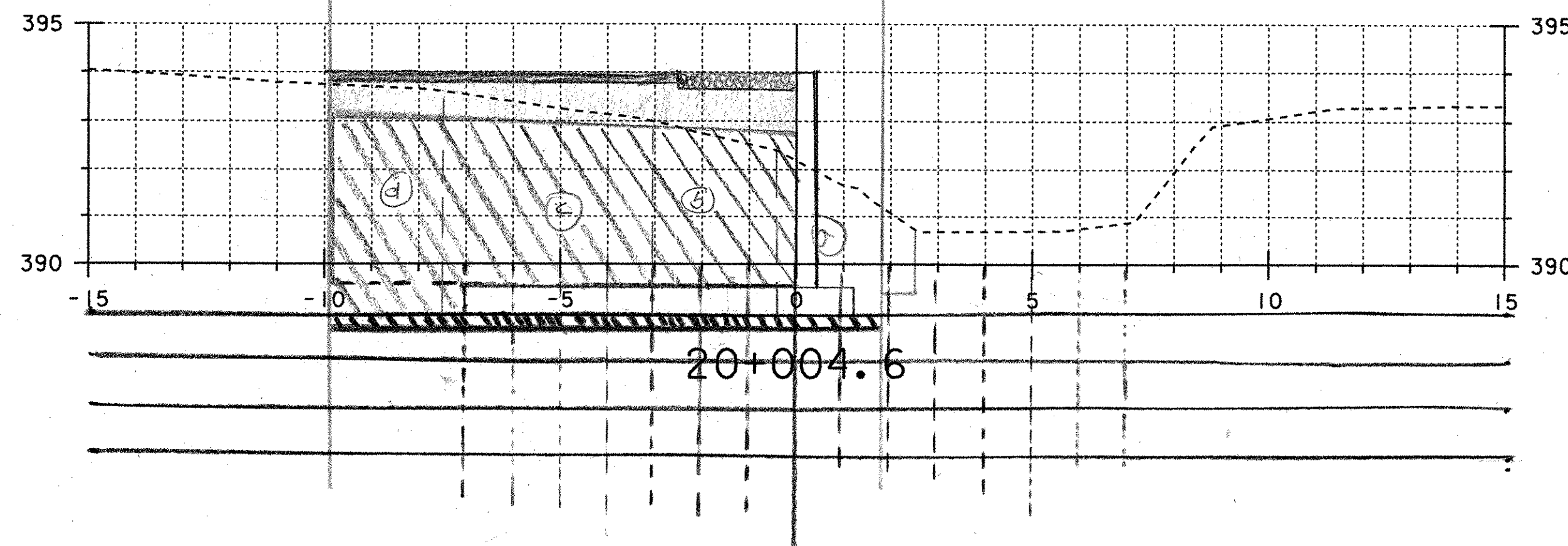
GRANULAR BACKFILL FOR STRUCTURES

$$9.8 \text{ M} * \left( \frac{3.2 + 3.5}{2} \right) = 32.83 \text{ SM } \textcircled{17}$$

Unclassified Channel  
 $0.7 * \left( \frac{1.8 + 1.3}{2} \right) = 1.085 \text{ SM}$

Cofferdam Excavation

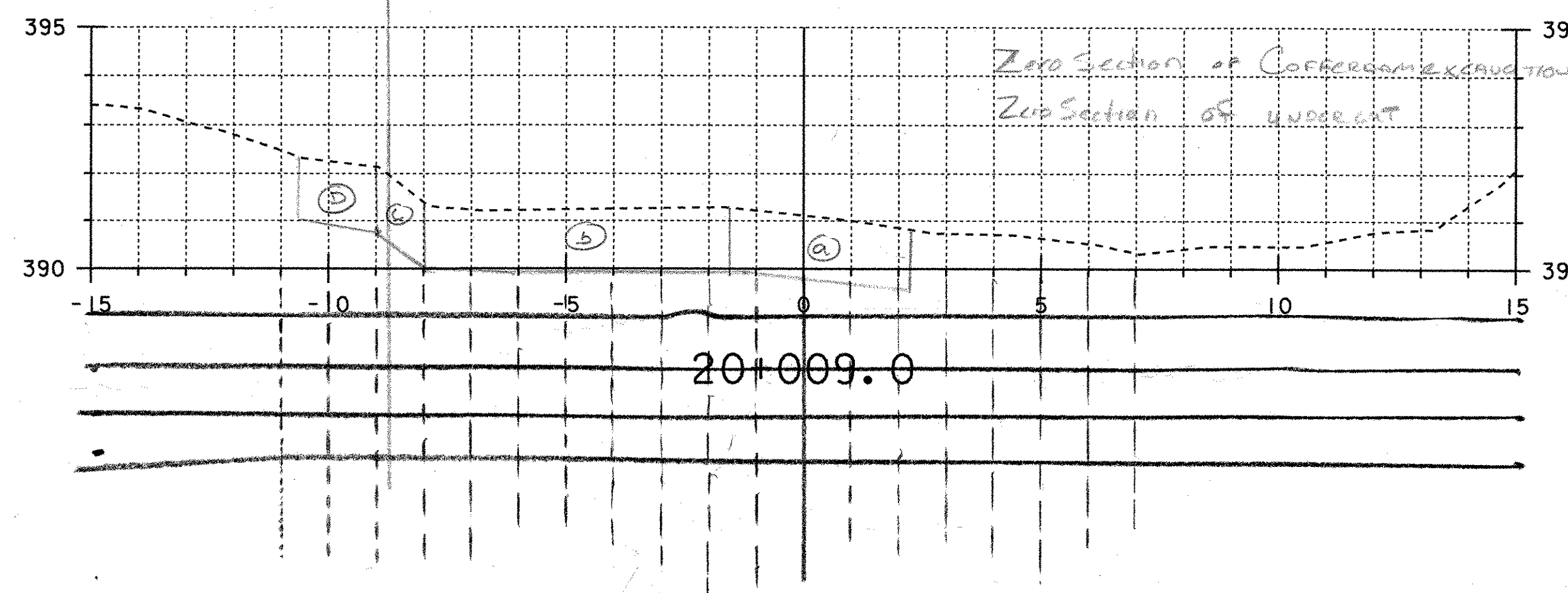
$$\begin{aligned} \textcircled{a} & 2.2 * \left( \frac{2.3 + 3.5}{2} \right) = 6.38 \\ \textcircled{b} & 2.16 * \left( \frac{3.5 + 4.1}{2} \right) = 9.88 \\ \textcircled{c} & 4.4 * \left( \frac{4.1 + 4.7}{2} \right) = 19.36 \\ \textcircled{d} & 2.4 * \left( \frac{4.7 + 4.8}{2} \right) = 11.40 \end{aligned} \quad \left. \vphantom{\begin{aligned} \textcircled{a} \\ \textcircled{b} \\ \textcircled{c} \\ \textcircled{d} \end{aligned}} \right\} 47.02 \text{ SM}$$



Unclassified Channel

$$\begin{aligned} \textcircled{a} & 1.3 * 3.8 = 4.94 \\ \textcircled{b} & 1.3 * 6.4 = 8.32 \\ \textcircled{c} & 1.3 * 1.0 = 1.30 \\ \textcircled{d} & 1.3 * 1.6 = 2.08 \end{aligned} \quad \left. \vphantom{\begin{aligned} \textcircled{a} \\ \textcircled{b} \\ \textcircled{c} \\ \textcircled{d} \end{aligned}} \right\} 16.64 \text{ SM}$$

UNCLASSIFIED CHANNEL EXCAVATION  
 ENDS @ 20+009.2 WITH SAME  
 AREA AS STAT 20+009.0.



GRANULAR BACKFILL FOR STRUCTURES

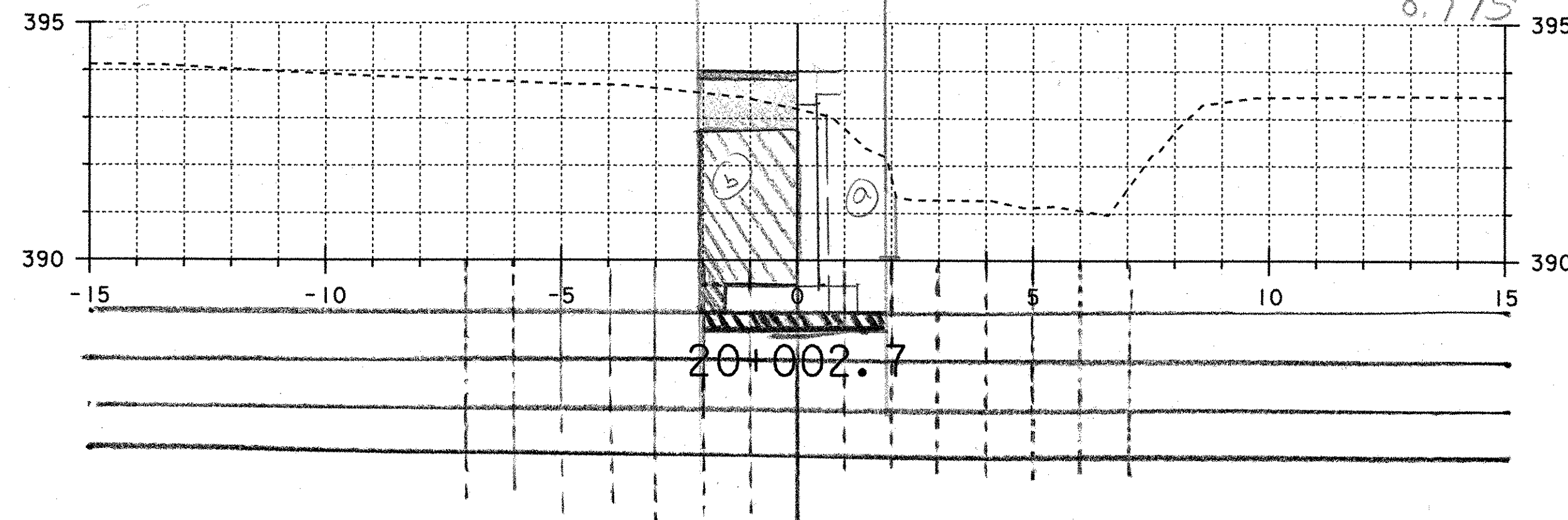
$$2.1 \text{ M} * 3.2 \text{ M} = 6.72 \text{ SM } \textcircled{17}$$

Unclassified Channel Excavation

$$0.2 * \left( \frac{2.1 + 1.3}{2} \right) = 0.34 \text{ SM}$$

Cofferdam Excavation

$$\begin{aligned} \textcircled{a} & 1.2 * \left( \frac{2.1 + 3.0}{2} \right) = 3.06 \\ \textcircled{b} & 2.7 * \left( \frac{3.0 + 3.5}{2} \right) = 8.775 \end{aligned} \quad \left. \vphantom{\begin{aligned} \textcircled{a} \\ \textcircled{b} \end{aligned}} \right\} 11.835 \text{ SM}$$



GRANULAR BACKFILL FOR STRUCTURES

$$(1.5 * 4.2) + (2.2 * 4.0) = 15.1 \text{ SM } \textcircled{17}$$

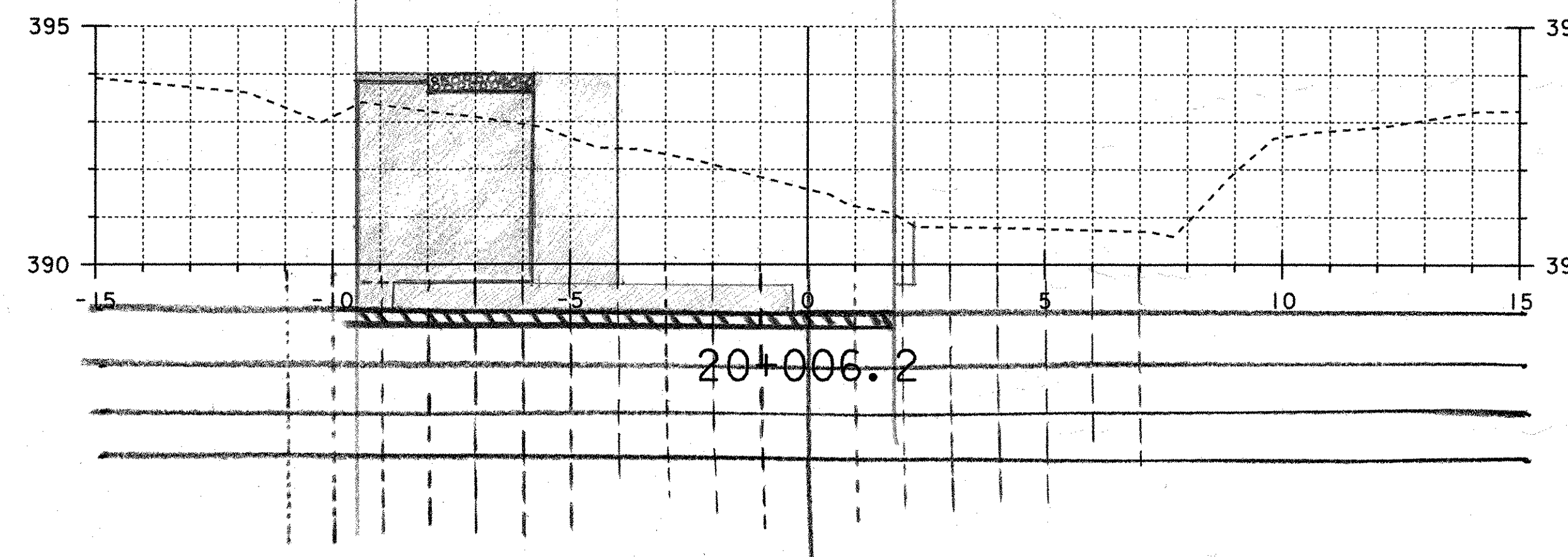
Cofferdam Excavation

$$11.3 * \left( \frac{4.3 + 2.0}{2} \right) = 35.595 \text{ SM}$$

Unclassified Channel Excavation

$$0.5 * \left( \frac{1.2 + 1.5}{2} \right) = 0.675 \text{ SM}$$

\* END UNCLASSIFIED CHANNEL EXCAVATION  
 @ STAT 20+006.2 FOR AVERAGE  
 AREA METHOD



11-01-04

for AEC  
 12-20-04

PROJECT NAME: STAMFORD	HIGHWAY NO.: TH 12
PROJECT NUMBER: TH3 9411	BRIDGE NO.: 14
	OVER: LESURE BROOK
FILE NAME: /PW/94J072/sj072bdr.dgn	PLOT DATE: 06-JUL-2004
PROJECT MANAGER: R. WHITCOMB	DRAWN BY: SQUAD 3
DESIGNED BY:	IPARM NAME:
BRIDGE SHEET NUMBER:	SHEET 046 OF