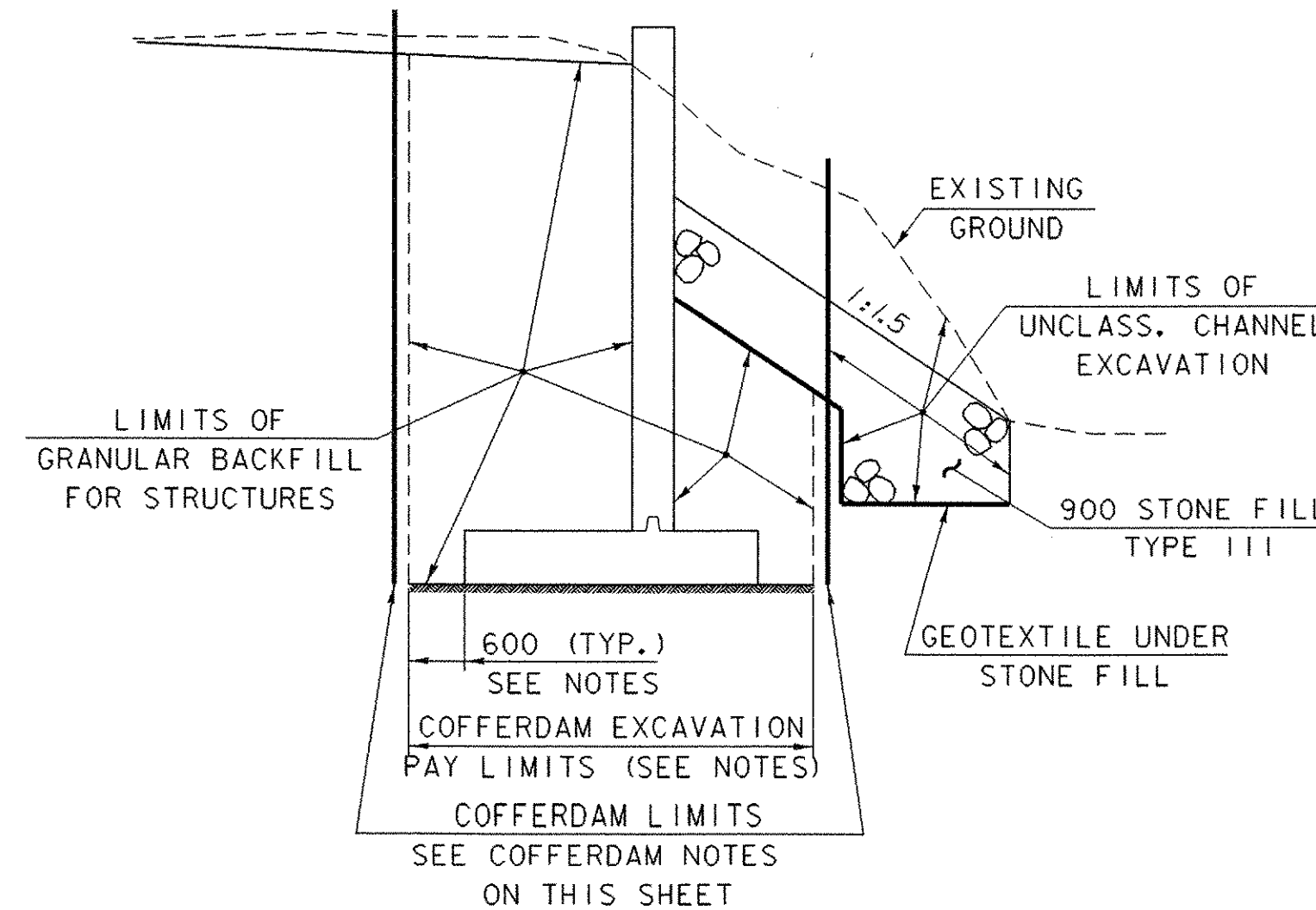
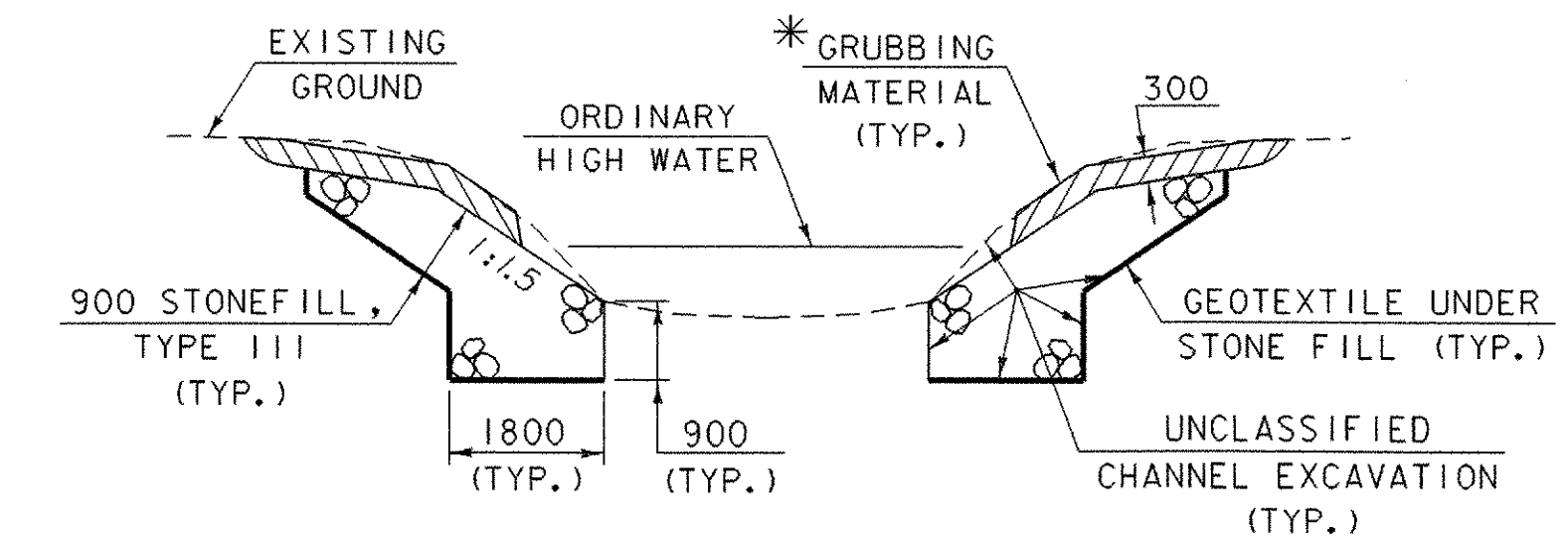


TYPICAL ABUTMENT SECTION
(NOT TO SCALE)



TYPICAL WINGWALL SECTION
(NOT TO SCALE)



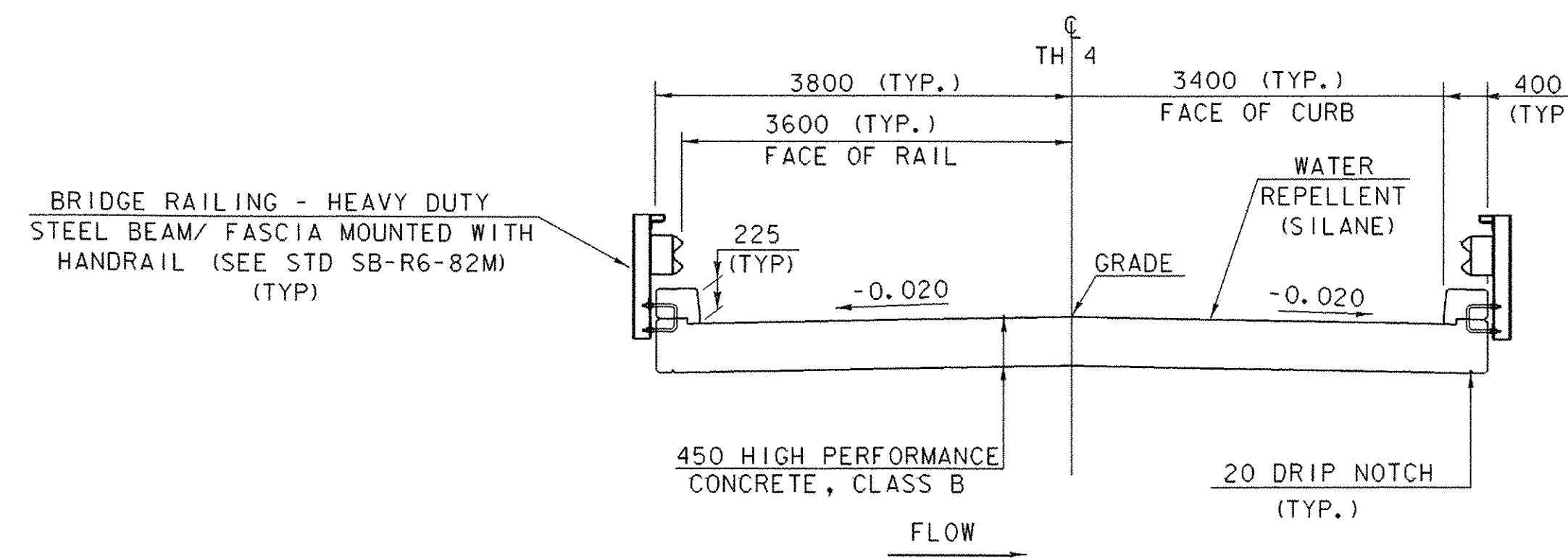
TYPICAL CHANNEL SECTION
(NOT TO SCALE)

* WHENEVER CHANNEL SLOPE INTERSECTS ROADWAY SUBBASE, GRUBBING MATERIAL SHALL BEGIN AT THE BOTTOM OF SUBBASE.

NOTE: LEDGE EXISTS THROUGHOUT MUCH OF THE PROJECT LIMITS. STONE FILL NEED NOT REPLACE LEDGE ALONG CHANNEL.

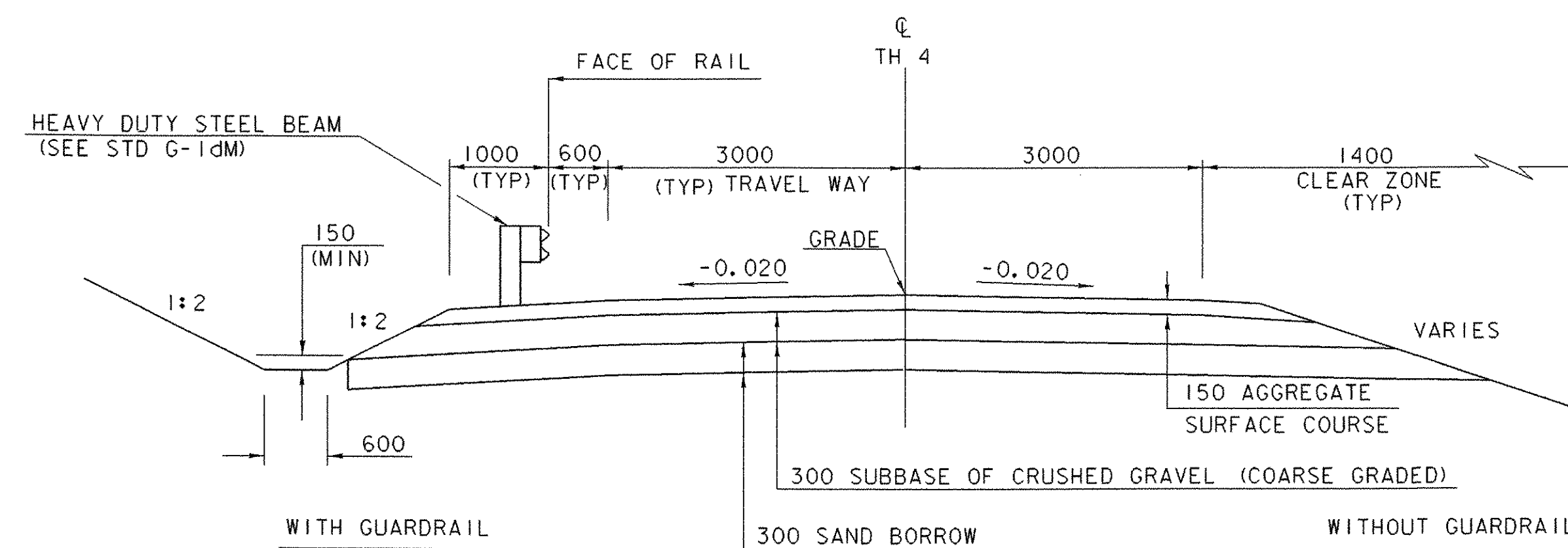
COFFERDAM NOTES:

1. COFFERDAM LIMITS TO BE DETERMINED BY THE CONTRACTOR.
2. THE PAY LIMITS OF "COFFERDAM EXCAVATION, EARTH" AND "COFFERDAM EXCAVATION, ROCK" SHALL BE 600 OUTSIDE THE PERIMETER OF THE FOOTING, UP TO EXISTING GROUND OR BOTTOM OF SUBBASE, WHICHEVER IS LOWER.
3. IF A COFFERDAM IS CONSTRUCTED WHICH IS LARGER THAN THE INDICATED COFFERDAM EXCAVATION PAY LIMITS, PAYMENT FOR ALL UNCLASSIFIED CHANNEL EXCAVATION, INCLUDING THAT PORTION WHICH IS INSIDE THE COFFERDAM BUT OUTSIDE THE COFFERDAM EXCAVATION PAY LIMITS, WILL BE MADE AT THE CONTRACT UNIT PRICE FOR UNCLASSIFIED CHANNEL EXCAVATION.
4. FOOTINGS SHALL BE PLACED ON SOUND, CLEAN LEDGE, ALL OVER BREAKAGE BELOW INDICATED BOTTOM OF FOOTING SHALL BE REPLACED WITH "HIGH PERFORMANCE CONCRETE, CLASS B". A MAXIMUM OF 150 mm AVERAGE DEPTH SHALL BE PAID FOR AS "HIGH PERFORMANCE CONCRETE, CLASS B". ANY ADDITIONAL CONCRETE REQUIRED SHALL BE PLACED AT THE CONTRACTOR'S EXPENSE. THE QUANTITIES SHOWN FOR "HIGH PERFORMANCE CONCRETE, CLASS B" AND "COFFERDAM EXCAVATION, ROCK" INCLUDE ADDITIONAL VOLUMES THAT MAY BE INCURRED DUE TO THE OVER BREAKAGE.
5. WHEN SOUND LEDGE IS ENCOUNTERED, PROFILES OF THE LEDGE SHALL BE SUBMITTED TO THE STRUCTURES SECTION TO DETERMINE WHETHER THE FOOTINGS FOR THE ABUTMENTS NEED TO BE ADJUSTED. NO FURTHER WORK SHALL BE DONE ON THE FOOTINGS UNTIL A REPLY IS RECEIVED FROM THE STRUCTURES SECTION.
6. IN LIEU OF THE USE OF COFFERDAMS, THE CONTRACTOR MAY ELECT TO USE A PIPE TO MAINTAIN THE FLOW OF WATER DURING CONSTRUCTION. THE RECOMMENDED HYDRAULIC OPENING MUST BE AT LEAST 2.5 SQ. METERS. THE LIMITS OF THE COFFERDAM REMAIN THE SAME AS SHOWN IN THE ABUTMENT/WINGWALL TYPICAL SECTIONS EVEN IF A PIPE IS UTILIZED. ALL THE WORK ASSOCIATED WITH THIS WORK WILL BE PAID FOR UNDER THE ITEMS, "COFFERDAM (STA. 1+086.50)", "COFFERDAM (STA. 1+095.25)", "COFFERDAM EXCAVATION, EARTH" AND "COFFERDAM EXCAVATION, ROCK."



TYPICAL BRIDGE SECTION

SCALE 1:50



TYPICAL ROADWAY SECTION (TH 4)

SCALE 1:50

MATERIAL ITEM	TOLERANCE
SUBBASE	± 30 mm
SAND BORROW	± 30 mm
AGGREGATE SURFACE COURSE	± 15 mm

**** ROADWAY TYPICAL FOR TOWN HIGHWAY #1 IS IN TRANSITION FOR THE LENGTH OF SIDELINE APPROACH. FOR INFORMATION REGARDING THE TYPICAL REFER TO THE SIDELINE CROSS SECTIONS.

SHEET NAME: TYPICAL DETAIL SHEET	
PROJECT NAME: WESTFORD	HIGHWAY NO.: TH 4
PROJECT NUMBER: TH2 9436	BRIDGE NO.: 2
	OVER: ROGERS BROOK
FILE NAME: /PW/94j122/sj122pi.dgn	PLOT DATE: 25-MAR-2005
PROJECT MANAGER: R. R. WHITCOMB	DRAWN BY: C.C.RICE
DESIGNED BY: C. CARLSON	IPARM NAME: sj122+yp.1
BRIDGE SHEET NUMBER:	SHEET 3 OF 56