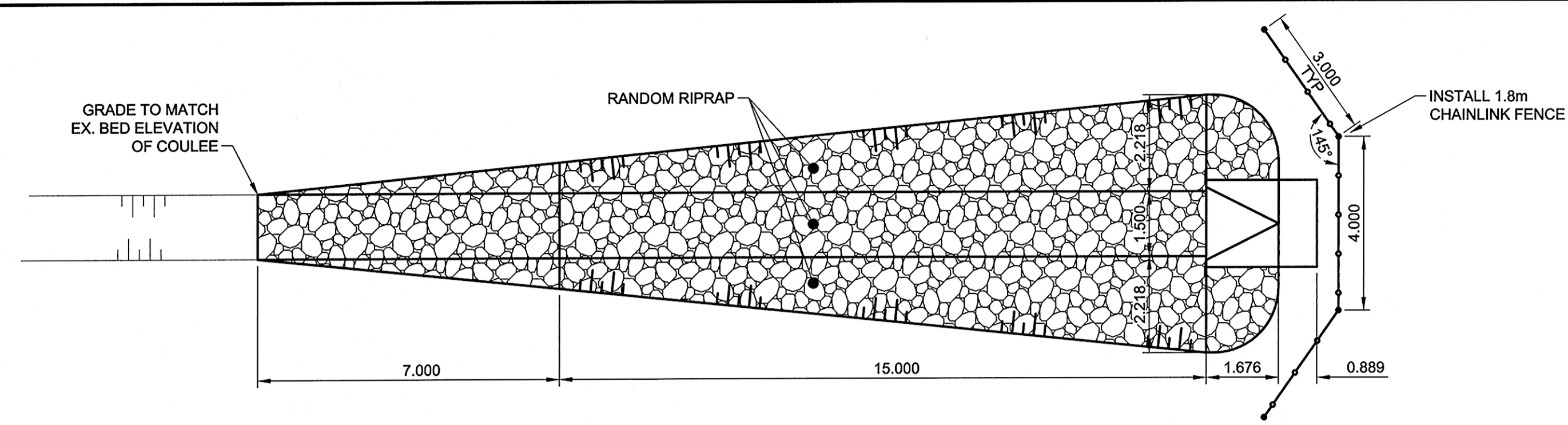


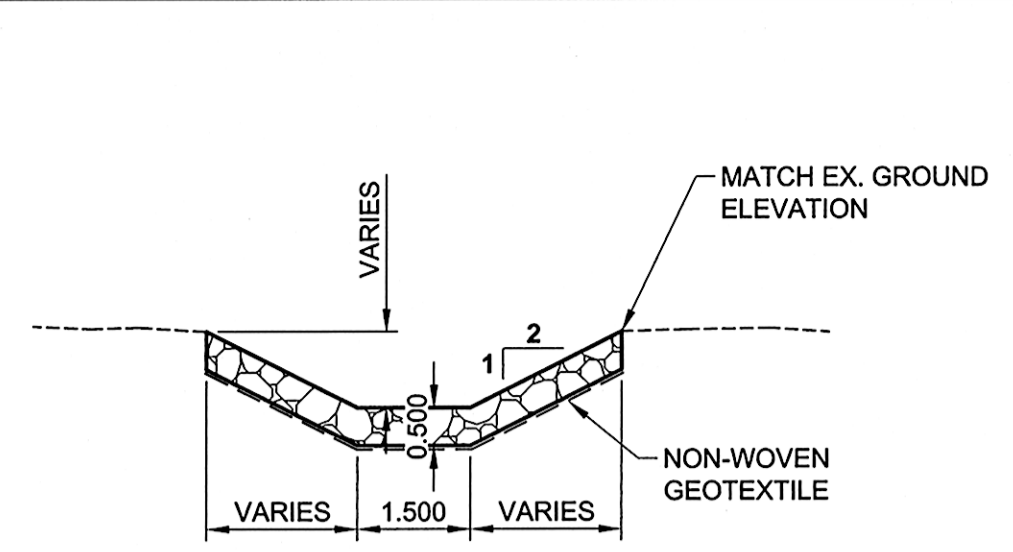
D SIZE 22" x 34" (559mm x 864mm)

PLOT: 11/12/08 12:05:52 PM

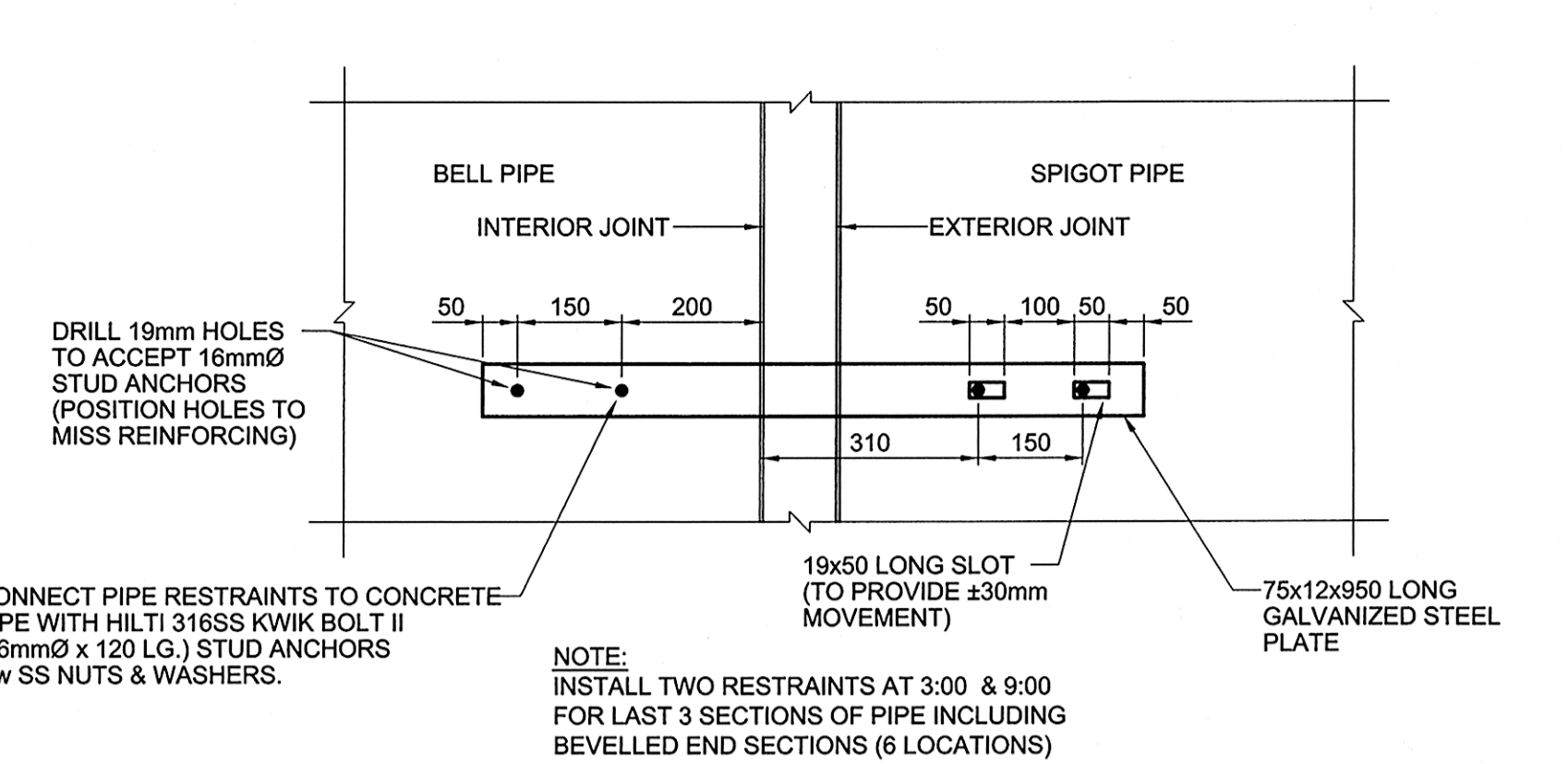
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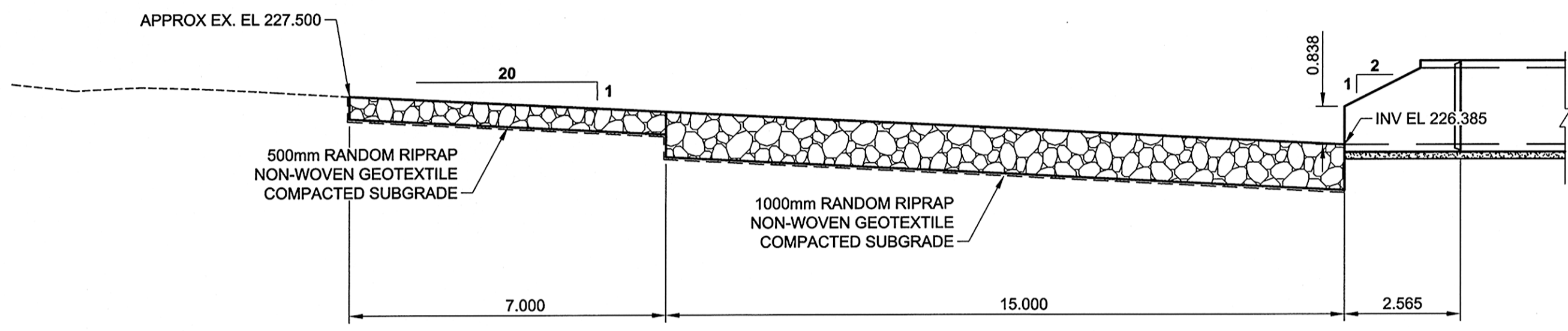
1650Ø CONCRETE CULVERT INLET STRUCTURE PLAN



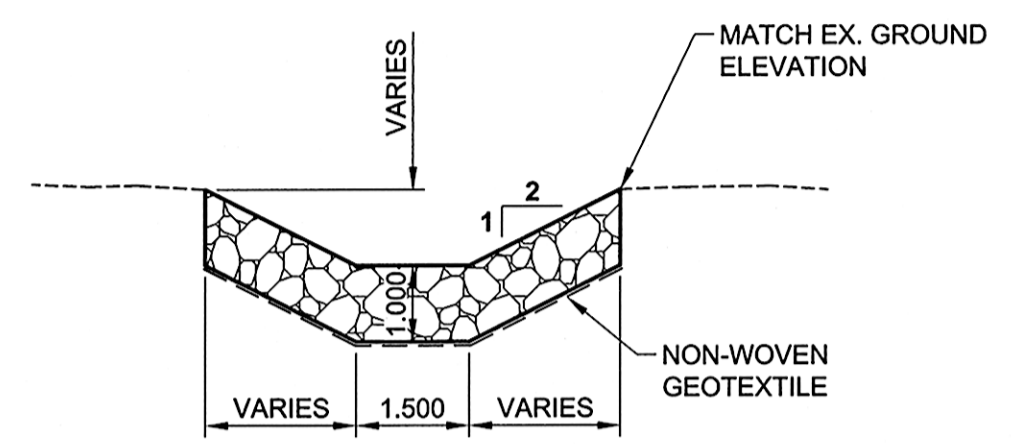
TYPICAL CROSS-SECTION 500mm RANDOM RIPRAP



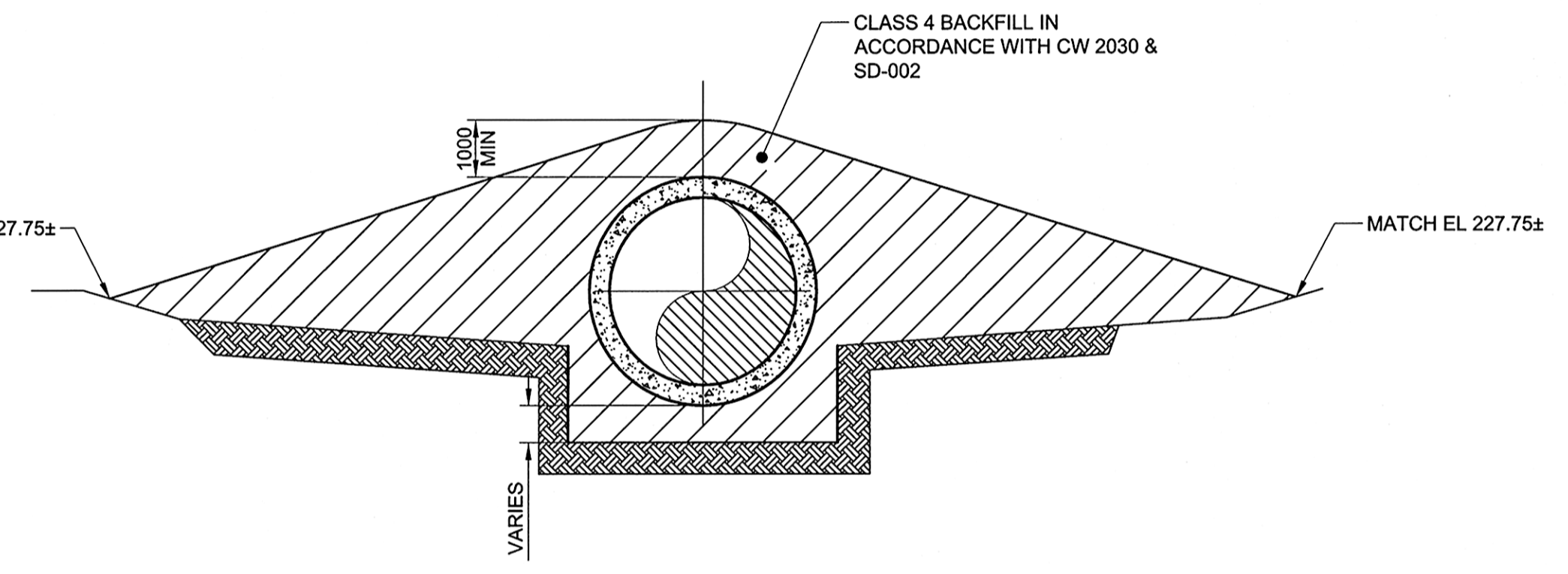
INTERNAL PIPE RESTRAINT SCALE 1:10



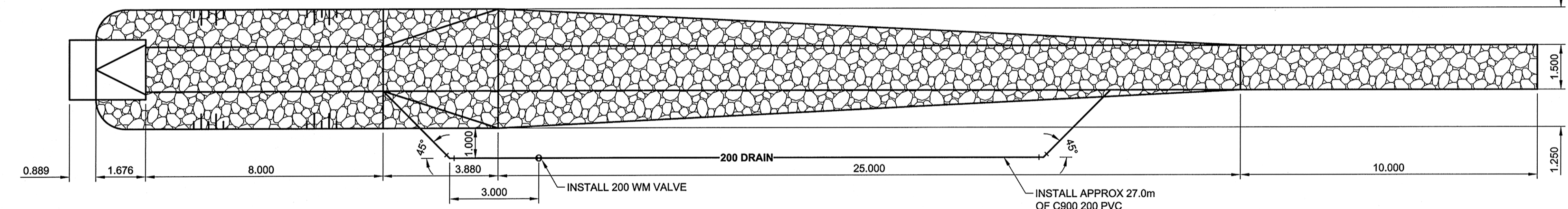
1650Ø CONCRETE CULVERT INLET STRUCTURE PROFILE



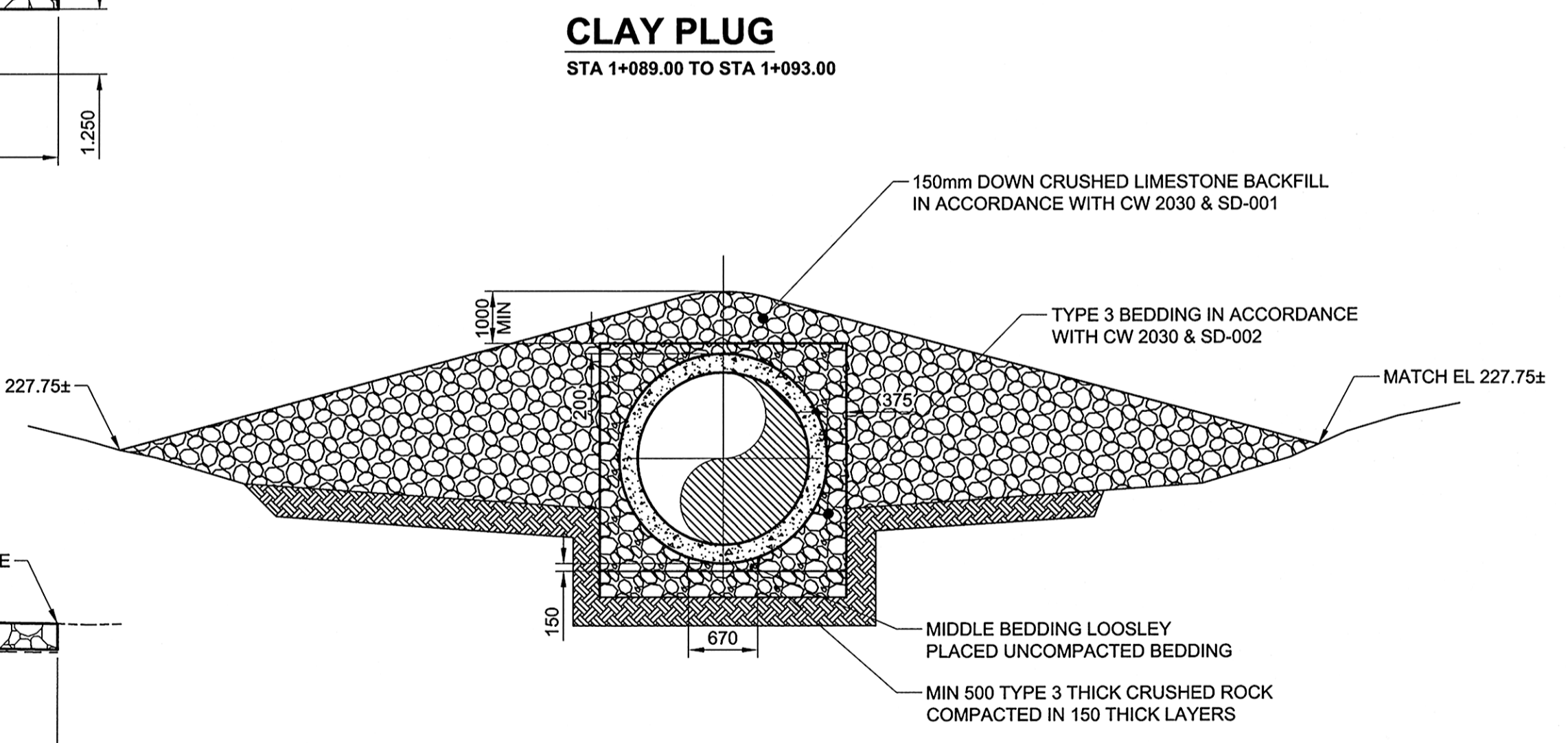
TYPICAL CROSS-SECTION 1000mm RANDOM RIPRAP



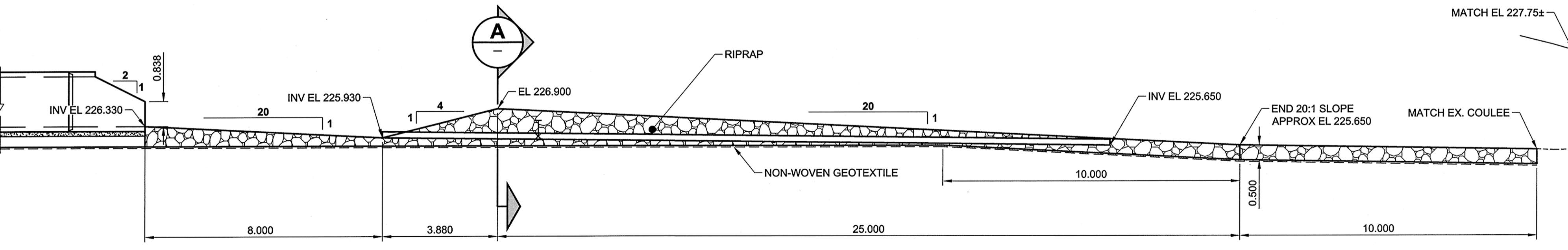
CLAY PLUG STA 1+089.00 TO STA 1+093.00



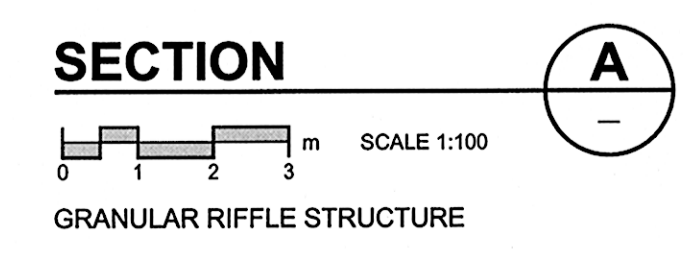
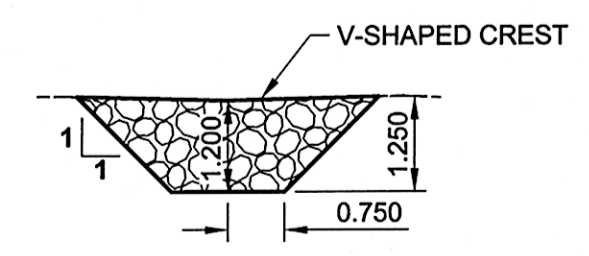
1650Ø CONCRETE CULVERT OUTLET STRUCTURE PLAN



TYPICAL TRENCH DETAIL STA 1+054.44 TO STA 1+100



1650Ø CONCRETE CULVERT OUTLET STRUCTURE PROFILE



LOCATION APPROVED UNDERGROUND STRUCTURES

NOTE: LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

APEGM
Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: 11/12/08

NO.	REVISIONS	DATE	BY
1	REVISED INLET/OUTLET	11/12/08	KLC
0	ISSUED FOR CONSTRUCTION	11/11/08	KLC

AECOM	
DESIGNED BY: JAT	CHECKED BY: [Signature]
DRAWN BY: KLC	APPROVED BY: [Signature]
HOR. SCALE: 1:100	RELEASED FOR CONSTRUCTION
VERT. SCALE: N/A	DATE

PROFESSIONAL'S SEAL
PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER
CONSULTANT DRAWING NO.
60221826-01-C-102-R0X.dwg

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT

INSTALLATION OF CONCRETE CULVERT AT PEMBINA HIGHWAY & BEAUJOLAIS COULEE

CIVIL
PLAN/PROFILE OF INLET AND OUTLET STRUCTURES AND DETAILS

SHEET 2 OF 3
CITY DRAWING NUMBER
C311-12-03

BID OPPORTUNITY NO. 980-2011