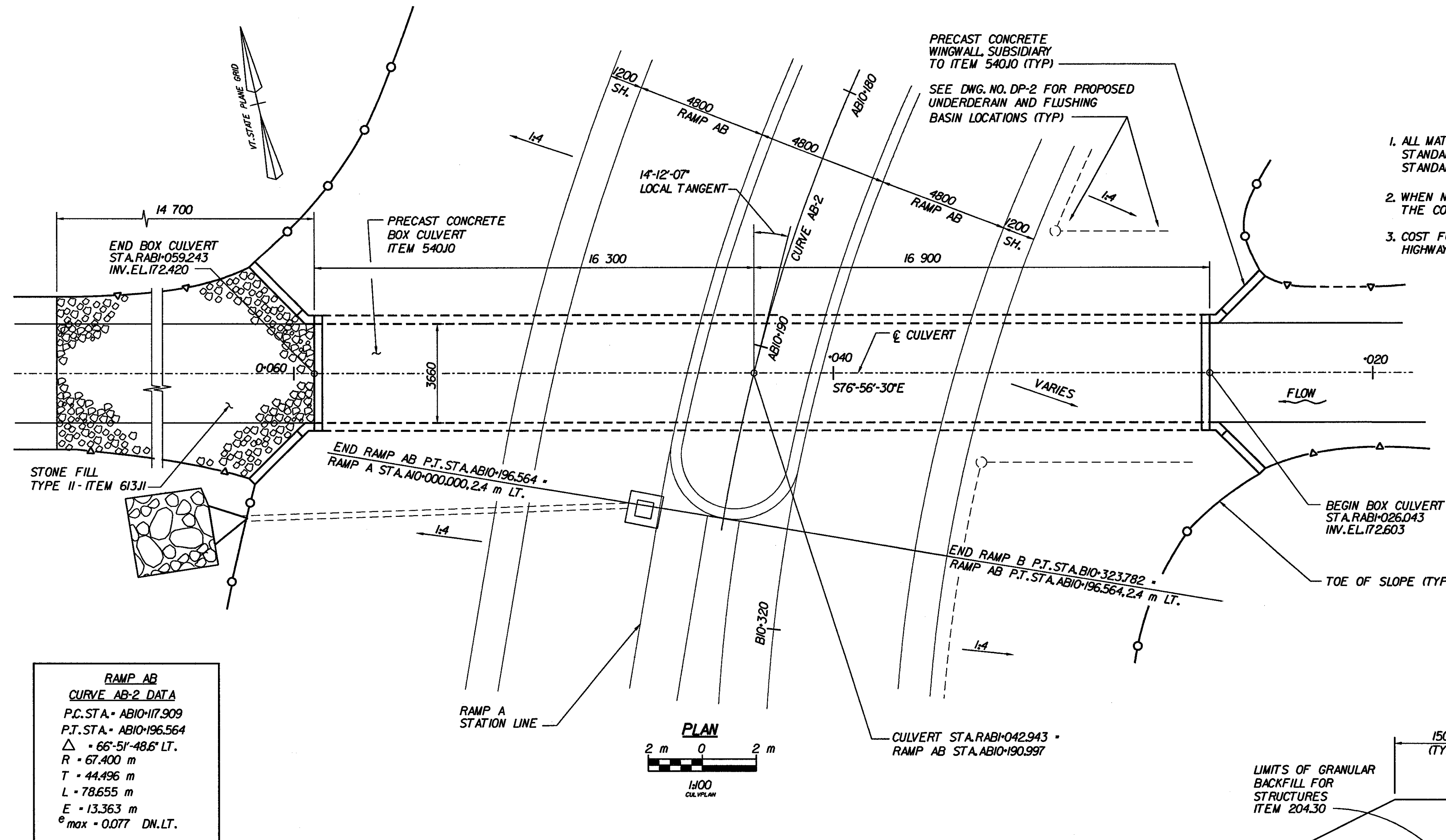
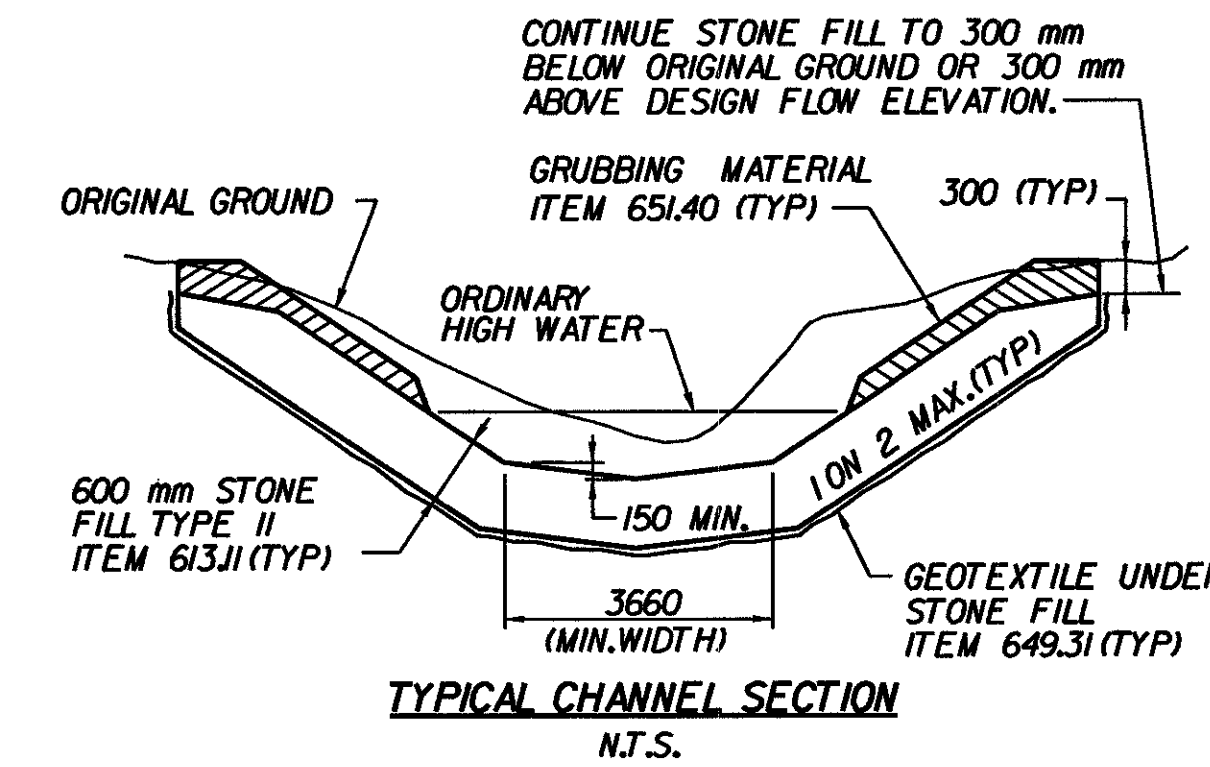
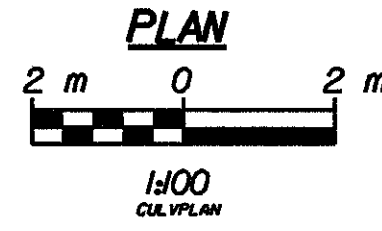


NOTE: UNLESS NOTED OTHERWISE, ALL STATIONS ARE IN KILOMETERS, ALL ELEVATIONS ARE IN METERS, AND ALL DIMENSIONS ARE IN MILLIMETERS.

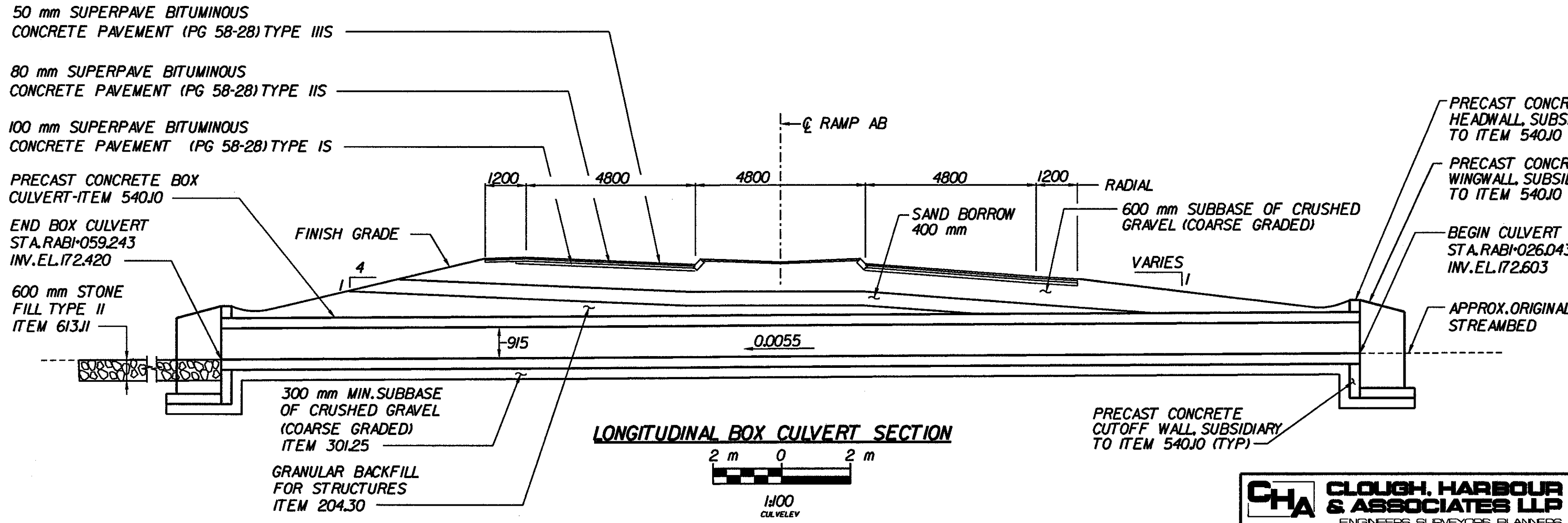
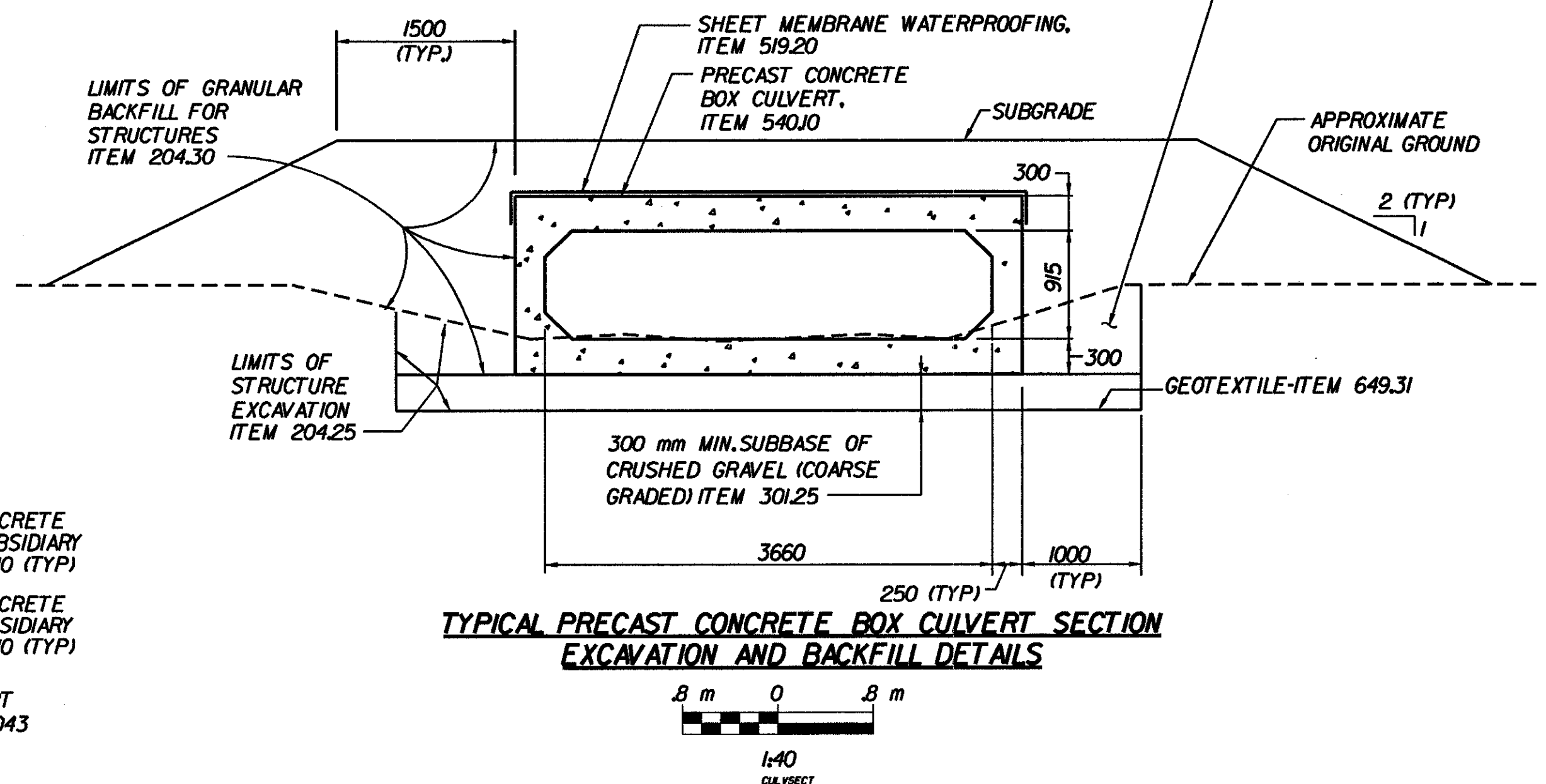
1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1995 (METRIC) & THE LATEST A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES (16TH EDITION). DESIGN IS FOR MS-22.5 LIVE LOAD.
2. WHEN NORMAL CONSTRUCTION OR REGULAR ROADWAY TRAFFIC IS MAINTAINED OVER THE BOX CULVERT, THE CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF 500 mm OF COMPACTED MATERIAL.
3. COST FOR ALL SUBBASE AND PAVEMENT ITEMS ABOVE SUBGRADE SHALL BE INCLUDED IN THE HIGHWAY ESTIMATE.



**RAMP AB
CURVE AB-2 DATA**
 P.C. STA. - AB1017909
 P.T. STA. - AB10196564
 Δ - 66°51'48.6" LT.
 R - 67.400 m
 T - 44.496 m
 L - 78.655 m
 E - 13.363 m
 e_{max} - 0.077 DN. LT.



EXCAVATE UNSUITABLE MATERIAL TO DEPTH SHOWN OR AS DIRECTED BY THE ENGINEER. REPLACE AS SHOWN WITH COMPACTED COARSE AGGREGATE AND GRANULAR BACKFILL FOR STRUCTURES. IF LEDGE OR OTHER UNYIELDING MATERIAL IS ENCOUNTERED, IT SHALL BE REMOVED TO A DEPTH OF 300 mm BELOW BOTTOM OF BOX CULVERT AND REPLACED WITH COMPACTED COARSE AGGREGATE.



HYDRAULIC DATA

Q10	FLOW - 3.80 m ³ /SEC.	HEADWATER ELEVATION - 173.47
Q25	FLOW - 4.42 m ³ /SEC.	HEADWATER ELEVATION - 173.52
Q50	FLOW - 5.18 m ³ /SEC.	HEADWATER ELEVATION - 173.58
Q100	FLOW - 5.95 m ³ /SEC.	HEADWATER ELEVATION - 173.66

COMMENTS:

ESTIMATED QUANTITIES				
NO.	ITEM	UNIT	TOTAL	FINAL
203.25	CHANNEL EXCAVATION OF EARTH	m ³	86	
204.25	STRUCTURE EXCAVATION	m ³	210	
204.30	GRANULAR BACKFILL FOR STRUCTURES	m ³	800	
301.25	SUBBASE OF CRUSHED GRAVEL (COARSE GRADED)	m ³	86	
519.20	SHEET MEMBRANE WATERPROOFING	m ²	155	
540J0	PRECAST CONCRETE BOX CULVERT	LS	1	
613JI	STONE FILL TYPE II	m ³	66	
649.31	GEOTEXTILE UNDER STONE FILL	m ²	305	
651.40	GRUBBING MATERIAL	m ²	40	

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of **BENNINGTON** Bridge No. **BR900**
 Highway No. **RAMP AB** Log Sta. **Surv. Sta. AB10+90**

RAMP AB CULVERT

PRELIMINARY INFORMATION

Designed By **C. TUTUNJAN** Drawn By **B. WEATHERBY**
 Checked By **M. GOGUEN** Date **6/00** Bridge Design Supervisor **M.W. OLSTAD** Date **9/00**

PROJECT **BENNINGTON-HOOSICK** PROJECT NO. **D.P.J. 0146 (1) C/4**
 I.G.C. Info.

Bridge Sheet No. **BR900** Sheet **248** of **385**