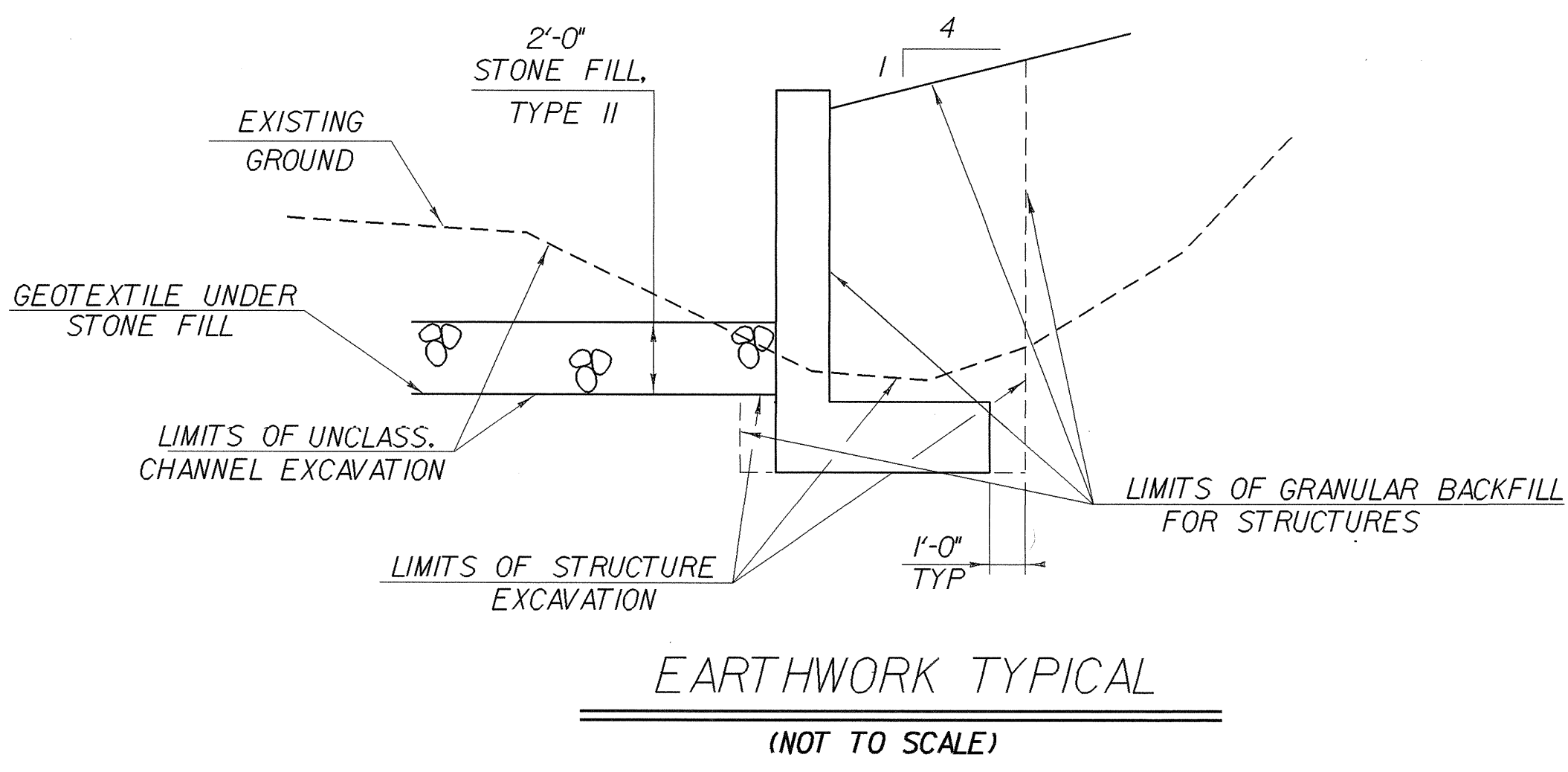
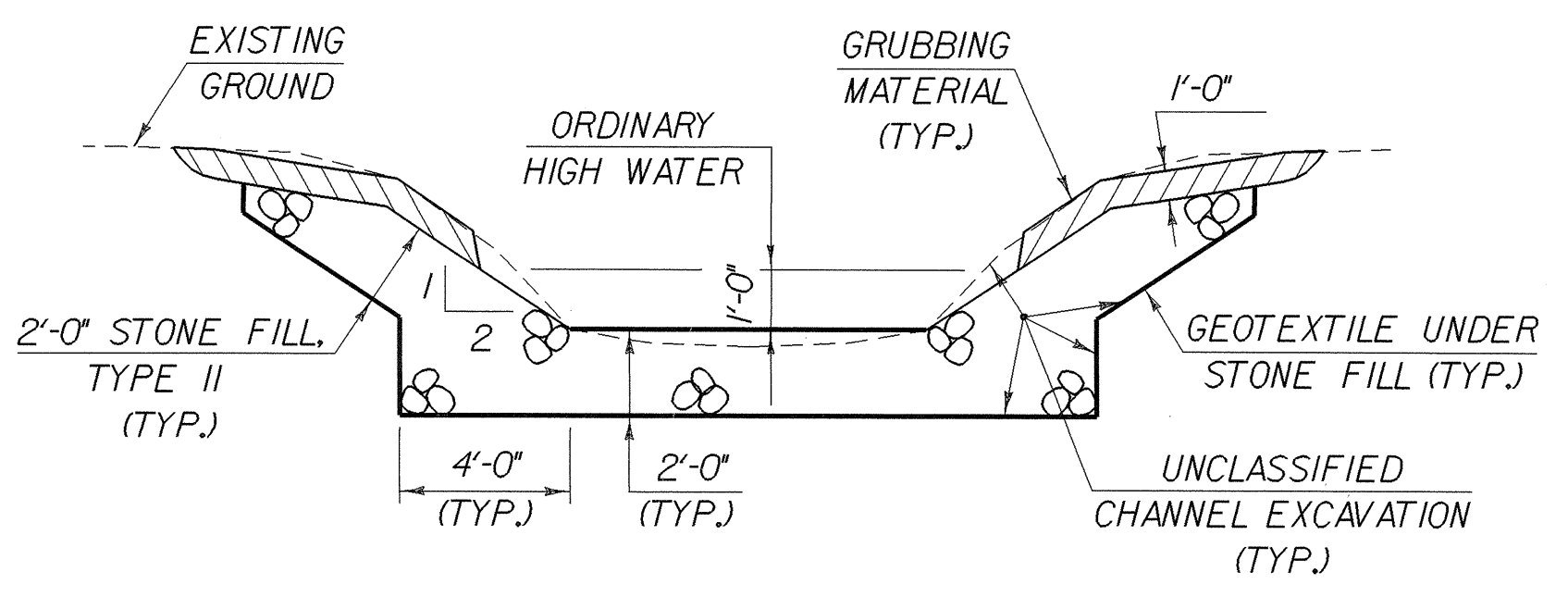


PLAN
1" = 10'

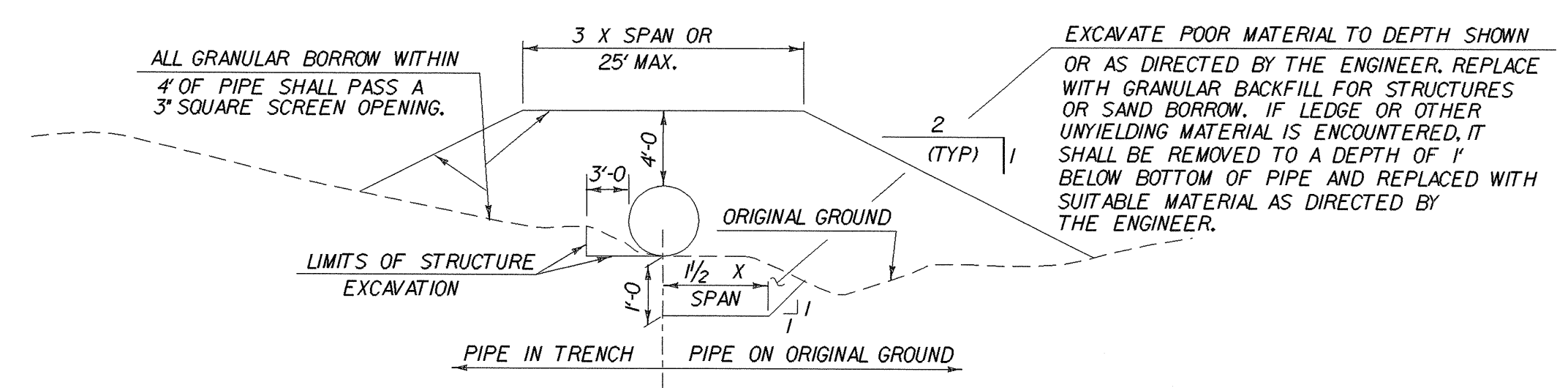


EARTHWORK TYPICAL
(NOT TO SCALE)



TYPICAL CHANNEL SECTION
(NOT TO SCALE)

- ~ NOTES ~
1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1990, AND THE LATEST A.A.S.H.T.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES. DESIGN IS FOR HS-25 LIVE LOAD.
 2. WHEN NORMAL CONSTRUCTION OR REGULAR TRAFFIC IS MAINTAINED OVER THE PIPE THE CONTRACTOR SHALL MAINTAIN A MINIMUM COVER OF THREE (3) FEET OF COMPACTED MATERIAL.
 3. ALUMINUM PIPE WHICH IS TO BE IN CONTACT WITH CONCRETE SHALL HAVE CONTACT SURFACES THOROUGHLY COATED WITH ZINC CHROMATE OR BITUMINOUS OR ASPHALTIC PAINT.



EXCAVATION AND BACKFILL DETAILS

REINFORCING STEEL SCHEDULE

NO.	PCS.	SIZE	LENGTH	MARK	TYPE	A	B	C	D
HEADWALL									
9	5	15-6		HW501	STR				
*32	1	5-6		HW502					
14		3-11		HW503					
28		8-5		HW505					
18		13-4		HW506	STR				
14	1	4-11		HW504	IT		1-0	3-11	
8	5	4-0		HW507	IT	1-6	1-0	1-6	
WINGWALL									
9	5	17-5		W501	STR				
*36	1	5-6		W502					
15		3-11		W503					
31		8-5		W505					
18		15-4		W506	STR				
16	1	4-11		W504	IT		1-0	3-11	
8	5	4-0		W507	IT	1-6	1-0	1-6	

(17) [B C D]

NOTES FOR REINF. STEEL

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-S1). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
3. ALL DIMENSIONS ARE OUT TO OUT.
4. ▲ DENOTES BARS TO BE CUT IN FIELD.
5. * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

INLET HEADWALL ESTIMATED QUANTITIES

NO.	ITEM	UNIT	TOTAL	FINAL
204.25	STRUCTURE EXCAVATION	CY	30	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	70	
501.25	CONCRETE, CLASS "B"	CY	26	
507.15	REINFORCING STEEL	Lb	2100	

THESE QUANTITIES ARE INCLUDED IN THE ROADWAY QUANTITIES SHOWN ON SHEET NO. 13

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of **MORETOWN** Bridge No. _____
 Highway No. **VT RTE 100** Log Sta. _____
NEW 60" X 258' CULVERT UNDER VT 100
INLET CHANNEL & HEADWALL QUANTITIES

Designed By **R. WHITCOMB** Drawn By **R. WHITCOMB**
 Checked By **G. ROY** Date **3/95** Bridge Design Supervisor **J.H. WEAVER** Date **3/95**

PROJECT **MORETOWN** PROJECT NO. **RS EGC-RS 0167 (9)**
 I.G.C. Info. /str3/7Bel32/sel32.dgn
 Bridge Sheet No. _____ Sheet **67** of **243**