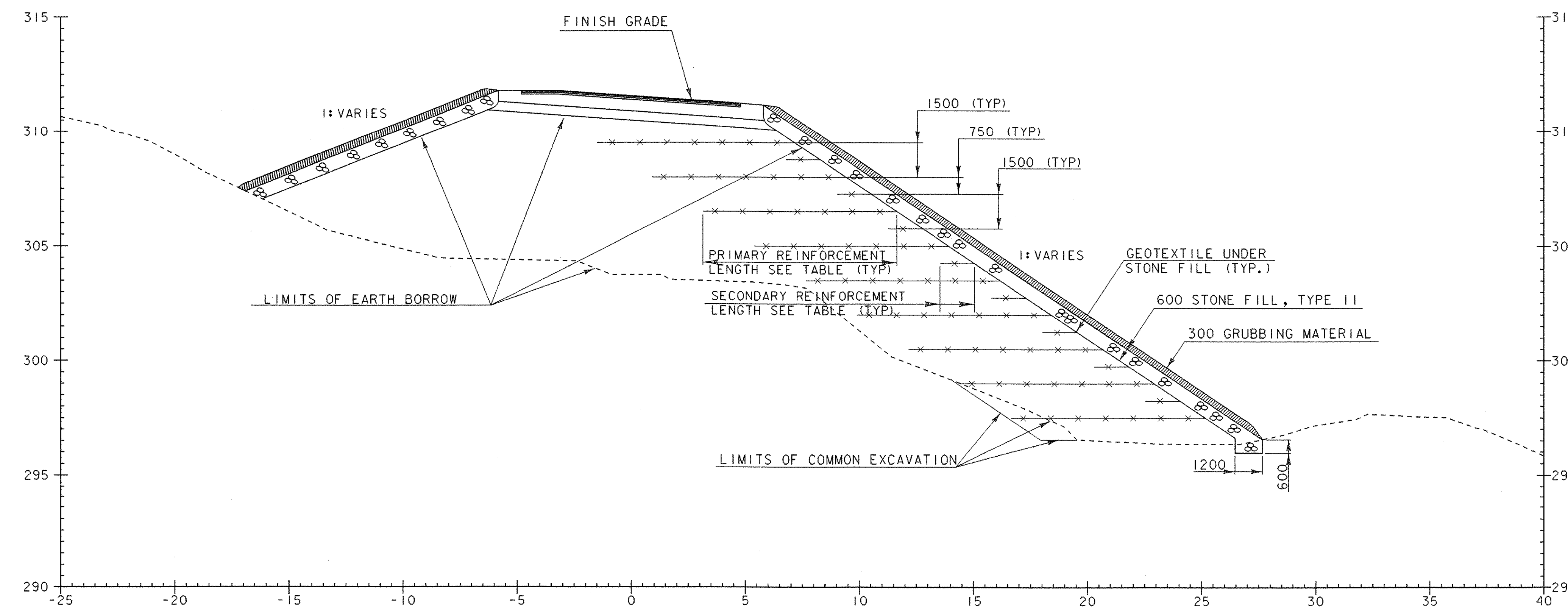


PLAN VIEW - LIMITS OF GEOGRID REINFORCEMENT

NOT TO SCALE



TYPICAL REINFORCED SOIL SLOPE X-SECTION

NOT TO SCALE

REINFORCED SOIL SLOPE GENERAL CONSTRUCTION NOTES:

1. HANDLING AND STORAGE

UPON DELIVERY AT THE SITE, ALL GEOGRID MATERIALS SHALL BE INSPECTED TO ENSURE PROPER MATERIAL STRENGTHS. A PRODUCT CERTIFICATION SHOULD BE PROVIDED WITH EACH SHIPMENT STATING THAT THE MATERIAL CONFORMS TO PRODUCT SPECIFICATIONS PUBLISHED BY THE SUPPLIER. SEE SPECIAL PROVISIONS SECTION 612 FOR MORE INFORMATION.

2. GEOGRID PLACEMENT

PRIOR TO PLACING THE REINFORCEMENT, THE EXCAVATION SHALL BE CLEANED OF ALL EXCESS MATERIAL AND THE FOUNDATION BASE PROOFROLLED. THE GEOGRID STRIPS MUST BE PLACED PERPENDICULAR TO THE SLOPE FACE. THE GEOGRID STRIPS MUST EXTEND BACK FROM THE SLOPE FACE TO THE DISTANCE SPECIFIED ON THE STABILIZED SLOPE CROSS-SECTION. GEOGRID STRIPS MUST BE PLACED AT THE ELEVATIONS SHOWN ON THE STABILIZED SLOPE PROFILE. GEOGRIDS CAN BE PLACED DIRECTLY ON THE EXISTING FILL SURFACE. NO SPECIAL SURFACE TREATMENT, LEVELING OR SMOOTHING IS REQUIRED. AFTER BEING ROLLED OUT, THE GEOGRID SHOULD BE TENSIONED BY HAND UNTIL TAUT, FREE OF WRINKLES, AND LYING FLAT. ADJACENT GEOGRID STRIPS SHOULD BE BUTTED TOGETHER SIDE-BY-SIDE WITHOUT OVERLAP. INDIVIDUAL LAYERS OF GEOGRID SHALL BE PLACED LEVEL AND TERMINATED AS THEY "DAY LIGHT" TO THE PROPOSED GRADES.

3. FILL PLACEMENT AND COMPACTION

FILL CAN BE PLACED AND SPREAD DIRECTLY UPON THE GEOGRIDS. EXTREME CARE SHOULD BE TAKEN TO PREVENT WRINKLES AND/OR SLIPPAGE OF GEOGRID DURING FILL PLACEMENT AND SPREADING. WHEN PRACTICAL, FILL IS TO BE PLACED IN THE DIRECTION IN WHICH THE GEOGRID WAS LAID OUT, TO AID TENSIONING. HOWEVER, IF FILL MUST BE PLACED TRANSVERSE TO THE ROLL LENGTH, SLIGHT (100) OVERLAPS BETWEEN ROLL WIDTHS WITH THE TOP PIECE OF GEOGRID BEING THE FIRST TO RECEIVE FILL, WILL PREVENT PERMANENT FOLDING OF REINFORCEMENT. RUBBER-TIRED EQUIPMENT ARE ALLOWED TO PASS OVER BARE GEOGRID AT SLOW SPEEDS (LESS THAN 10 KPH) AND WITHOUT SUDDEN BRAKING. TRACK EQUIPMENT SHOULD NEVER BE ALLOWED ONTO BARE REINFORCEMENT. THERE MUST BE A MINIMUM OF 150 OF FILL ON TOP OF THE GEOGRID BEFORE TRACKED EQUIPMENT CAN BE OPERATED. EACH FILL LIFT SHALL BE COMPACTED TO 95% OF AASHTO T-99.

4. LIMITS OF GEOGRID REINFORCEMENT

THE PURPOSE OF THE GEOGRID IS TO REINFORCE THE NEW EMBANKMENT FILLS. THE PROPOSED EMBANKMENTS SHALL BE REINFORCED TO THE LIMITS ABOVE AND SHOWN IN THE SECTIONS OR AS ORDERED BY THE ENGINEER.

5. PAYMENT

PAYMENT FOR ABUTMENT #2 GEOGRID WITH UNIAXIAL T AL=60.1 KN/M SHALL BE MADE UNDER THE ITEM 612.20 "REINFORCED SOIL SLOPE (MOD 1)". PAYMENT FOR ROADWAY AND EMBANKMENT GEOGRID WITH UNIAXIAL T AL=25.3 KN/M SHALL BE MADE UNDER THE ITEM 612.20 "REINFORCED SOIL SLOPE (MOD 2)".

EMBANKMENT REINFORCED SOIL SLOPE SCHEDULE

STATION	SIDESLOPE	P = PRIMARY REINF.		S = SECONDARY REINF.	
		LENGTH P (m)	(S)	LENGTH	BOTTOM ELEVATION (LAYER TYPE)
1+180	LEFT	2.0 (1.5)			294.50 (P)
1+190	LEFT	3.0 (1.5)			295.25 (S)
1+200	LEFT	4.5 (1.5)			296.75 (S)
1+210	LEFT	4.5 (1.5)			296.75 (S)
1+220	LEFT	4.5 (1.5)			296.75 (P)
1+230	LEFT	4.5 (1.5)			297.50 (P)
1+240	LEFT	4.5 (1.5)			298.25 (S)
1+250	LEFT	4.5 (1.5)			299.00 (P)
1+260	LEFT	4.5 (1.5)			298.25 (S)
1+320	LEFT	8.5 (8.5)			299.00 (P)
1+330	LEFT	4.5 (1.5)			303.50 (P)
1+335	RIGHT	8.5 (1.5)			298.25 (S)
1+340	LEFT	4.5 (1.5)			307.25 (S)
1+340	RIGHT	8.5 (1.5)			298.25 (S)
1+350	LEFT	4.5 (1.5)			308.75 (S)
1+350	RIGHT	8.5 (1.5)			298.25 (S)
1+360	RIGHT	8.5 (1.5)			297.50 (P)
1+370	RIGHT	8.5 (1.5)			296.75 (S)
1+380	RIGHT	8.5 (1.5)			296.00 (P)
1+390	RIGHT	8.5 (1.5)			296.00 (P)
1+400	RIGHT	4.5 (1.5)			299.75 (S)

PROJECT NAME:	BARTON
PROJECT NUMBER:	STP 0113 (58) S
FILE NAME:	96c116/STRUCTURES/sc116geo.dgn
IPARM NAME:	96c116/STRUCTURES/sc116rast1.i
PROJECT LEADER:	C.P. WILLIAMS
DESIGNED BY:	C.A. ALLEN
REINFORCED SOIL SLOPE DETAILS	
PLOT DATE:	03-JAN-2002
DRAWN BY:	C.A. ALLEN
CHECKED BY:	W.B. SYMONDS
SHEET	75 OF 120