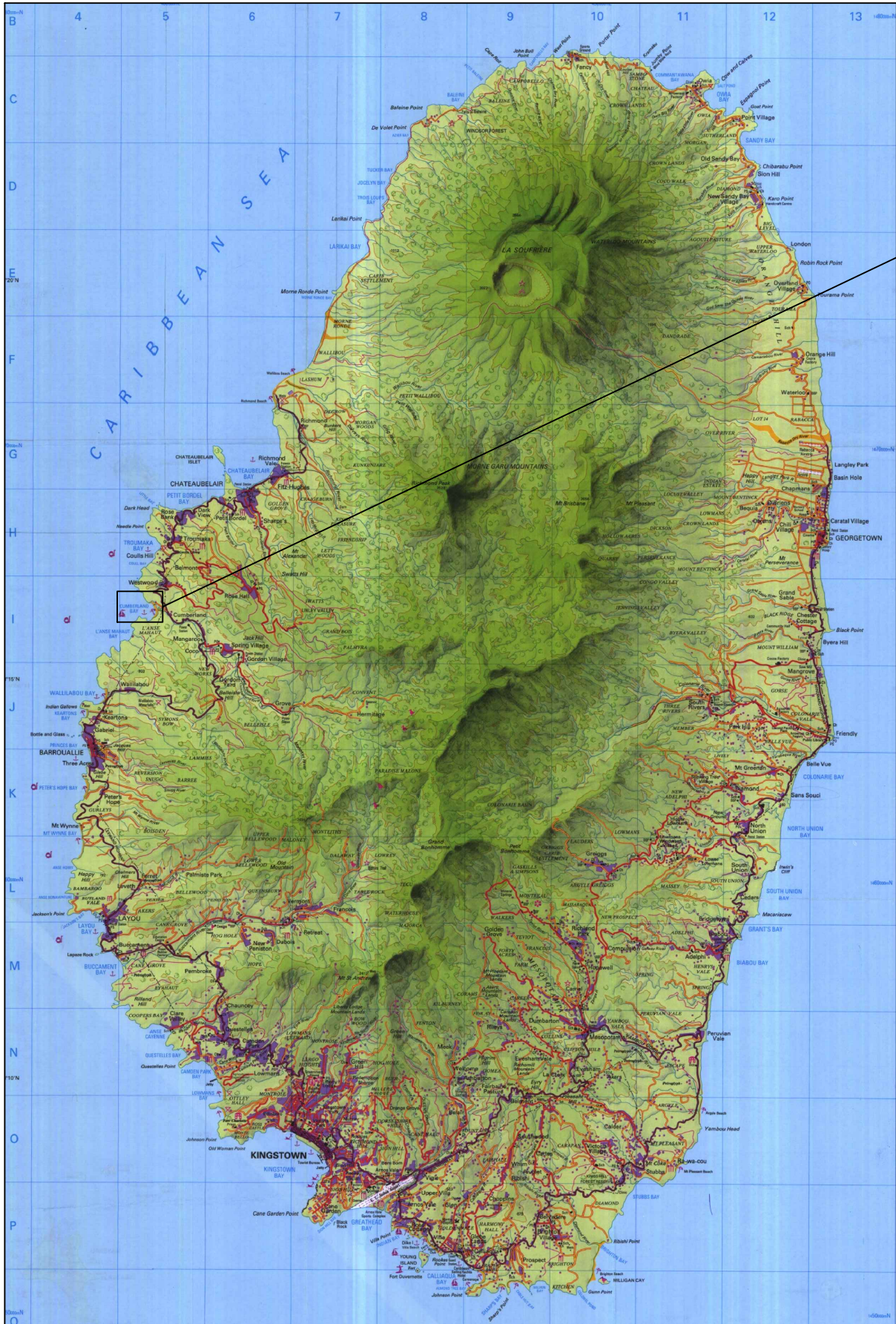


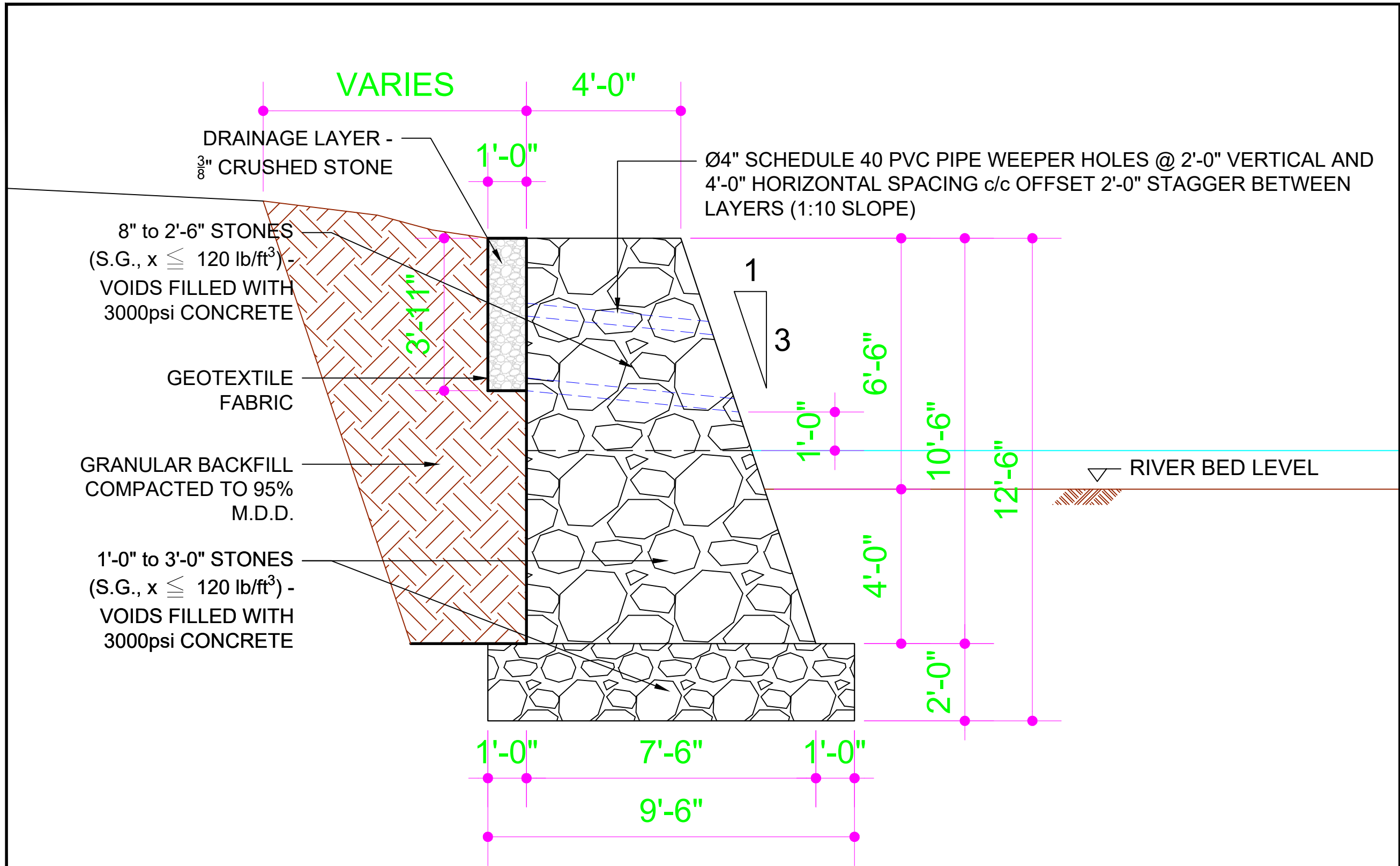
SECTION 11: DRAWINGS

CUMBERLAND RIVER **DEFENCE PROJECT**



- NOTES
- 1) Do not scale drawings.
 - 2) The Contractor shall provide pre-construction Engineering/ Topographic Surveys to the Engineer. The Contractor shall also verify all dimensions before proceeding with any work and report any discrepancies to the Engineer immediately.
 - 3) This drawing is to be read in conjunction with all other structural and mechanical services drawings.
 - 4) Utility poles and pipe lines must be adjusted by the Utility companies.

<div><div>MT & W</div><div>MINISTRY OF TRANSPORT, WORKS, LANDS & PHYSICAL PLANNING</div><div>PROJECT MANAGEMENT UNIT HALIFAX ST., KINGSTOWN, ST. VINCENT and the GRENADINES TEL: 456-1086 ext. 3967</div></div>		
CONSULTANTS: MINISTRY OF TRANSPORT, WORKS, LANDS AND PHYSICAL PLANNING		
DESIGNED: ENG. LEWIS		
CLIENT: NATIONAL PARKS RIVERS & BEACHES AUTHORITY		
PROJECT: CUMBERLAND RIVER DEFENCE PROJECT		
TITLE: LOCATION PLAN		
PROJ. No:	SCALE:	DRAWN:
	N.T.S.	ENG. LEWIS
DATE:	CHECKED:	DWG. No.
FEB. 2023		CRDP-01



211' x 10'-6" HIGH BOULDER PACKING WALL WITH CONCRETE MATRIX

SCALE: 1/4" = 1'-0"

NOTES

1) Do not scale drawings.

2) The Contractor shall verify all dimensions before proceeding with any work and report any discrepancies to the Engineer immediately.

3) This drawing is to be read in conjunction with all other structural and mechanical services drawings.

4) **CONCRETE CUBE DESIGN STRENGTH AT 28 DAYS**
Blinding: C7.5/20,
strength ≥ 1080 psi (7.5MPa)

Boulder Pack concrete,
strength ≥ 3000 psi (20.7MPa)

5) **FOUNDATIONS**
All footings shall be placed on firm, approved, well compacted existing or imported material. Backfill shall be compacted to 95% Modified Proctor Maximum Dry Density. Unsuitable material shall be excavated and replaced with properly compacted fill as directed by the Engineer.

6) **GEOFABRIC MATERIAL**
Geotextiles for placement behind retaining walls and for protection of coastal fills and causeway fills shall be non woven needle punched polyester fabric. The fabric shall meet the following specification;

Weight	> 0.6kg/sqm.
Effective opening Size	< 0.08 mm
Permeability	> 4 mm/s
Min. thickness	5 mm
UV Resistance to ASTM D4355	>70%
Puncture resistance ASTM D4833	>100kpa
Burst Strength-ASTM D3786	>5000kpa

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CONSULTANTS: MINISTRY OF TRANSPORT, WORKS, LANDS AND PHYSICAL PLANNING		
DESIGNED: ENG. LEWIS		
CLIENT: NATIONAL PARKS RIVERS & BEACHES AUTHORITY		
PROJECT: CUMBERLAND RIVER DEFENCE PROJECT		
TITLE: LOCATION PLAN		
PROJ. No:	SCALE: 1" = 40'-0"	DWG. No. CRDP-02
DATE: FEB. 2023	DRAWN: ENG. LEWIS	CHECKED: