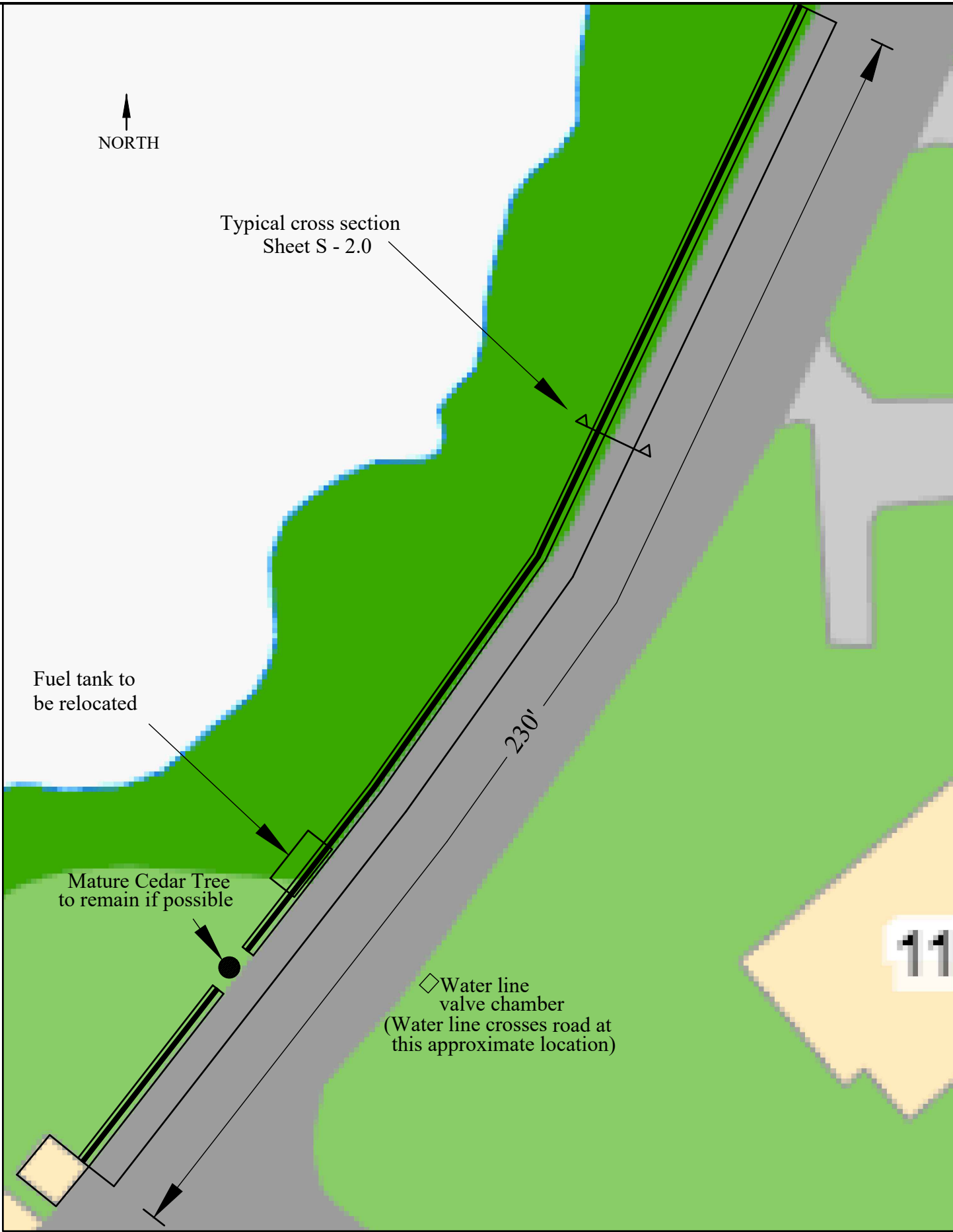




1 **Location Plan**
A-0.0 SCALE: 1 : 2500



2 **Site Plan**
A-0.0 SCALE: 1 : 250

MINISTRY OF PUBLIC WORKS

DEPARTMENT OF WORKS & ENGINEERING
STRUCTURES SECTION
P.O. Box HM525 Hamilton HMCX Bermuda
Tel: (441) 295-5151

GENERAL NOTES

No.	Date:
1	ISSUED
	APRIL 1, 2024

SCALE: As noted

SURVEY
Prepared By: JM Colmet
Date: January 2024

DESIGN
Prepared By: STRUCTURES
Date: Jan 2024
Checked By: Peer reviewer
Date: Jan 2024

DRAWING
Prepared by: JMC
Date: Jan 2024
Peer review: Peer reviewer
Date: Jan 2024
Approved By: Approver
Date: Jan 2024

Project Number: 41 / 111 / 150

Project Title:
119 Somerset Rd.
("Scaur Hill")

Sheet Title:
Location and Site plans

Sheet Number: S-1.0
Revision:

GENERAL NOTES

ISSUE / REVISION

No.	Date:

SCALE: 1/2" = 1'-0"

SURVEY

Prepared By: JM Colmet
Date: January 2024

DESIGN

Prepared By: STRUCTURES
Date: Jan 2024
Checked By: Peer reviewer
Date: Jan 2024

DRAWING

Prepared by: JMC
Date: Jan 2024
Peer review: Peer reviewer
Date: Jan 2024
Approved By: Approver
Date: Jan 2024

Project Number: 41 / 111 / 150

Project Title:

119 Somerset Rd.
("Scaur Hill")

Sheet Title:

Wall section detail and notes

Sheet Number: S-2.0

Revision:

NOTES

0.0 GENERAL

0.1 Health and Safety is the primary consideration at all times. All works shall be conducted in accordance with all relevant Health and Safety Codes, Acts and Regulations.

0.2 All works, workmanship, materials, quality and specifications shall satisfy the requirements of the current Bermuda Residential Building Code for Construction, unless noted otherwise.

1.0 FOUNDATIONS

1.1 Foundations are to bear on undisturbed ground or rock. Bearing material is to remain undisturbed and be reviewed by the engineer prior to pouring footing.

1.2 Any soft areas in rock are to be removed and filled with 20 MPa concrete to the engineer's approval.

2.0 CONCRETE

2.1 All concrete work is to be in accordance with the specifications.

2.2 Concrete properties to be as follows:

Location	Min. Specified 28 Day Strength	Slump
Footings/Foundation Slab and Block fill (grout)	20 MPa (2900 psi)	3" +/- 1"

2.4 Concrete cover on reinforcing steel to be as follows:

Location	Clear Cover
Footings	3" u.n.o.

2.5 Reinforcing chairs to be plastic or concrete.

2.6 No additives to be used without the prior approval of the engineer.

3.0 REINFORCING STEEL

3.1 Reinforcing steel to have a minimum yield strength of 410 MPa, Type 2 deformed to BS4449.

3.2 Reinforcing steel to be galvanised in accordance with Part 1.1, Section 03200 of the Specification.

4.0 INSPECTION AND TESTING

4.1 Contractor to provide minimum 24 hours notice for the inspection of all reinforcing prior to pouring concrete.

5.0 CONTROL JOINTS

5.1 Provide discontinuities in horizontal steel (ie. bed joint rebar) at 20' (max.). Discontinuity to extend for the full height of the wall. (ie. stop all bed joint steel at the same 20' locations).

6.0 COMPACTION

6.1 Granular backfill material shall be compacted to 95% MPT @ OMC or equivalent approved.

ALTERNATIVELY, in the absence of appropriate facilities required to determine the relevant soil properties and or compaction parameters, the following 'methods-based' approach may be used:

Ensure fill material has a water content of 7% to 10%, place material in 6" lifts and compact to 4".

7.0 TEMPORARY SHORING

7.1 Ensure that the embankment is adequately shored or that the embankment is sufficiently sloped to prevent collapse.

8.0 LAP LENGTHS

8.1 Minimum allowable lap lengths for REINFORCED CONCRETE construction:

- 3/8" (T10 mm) diameter bar, 18" (1'-6")
- 1/2" (T12 mm) diameter bar, 24" (2'-0")
- 5/8" (T16 mm) diameter bar, 30" (2'-6")
- 3/4" (T20 mm) diameter bar, 36" (3'-0")

8.2 Minimum allowable lap lengths for MASONRY construction:

- 3/8" (T10 mm) diameter bar, 20" (1'-8")
- 1/2" (T12 mm) diameter bar, 24" (2'-0")
- 5/8" (T16 mm) diameter bar, 32" (2'-8")
- 3/4" (T20 mm) diameter bar, 40" (3'-4")

