

PROPOSED EXCAVATION AND EARTH PROTECTION METHOD

PROJECT: PROPOSED THREE STOREY BUILDING AT GN. ATOLL HOSPITAL EXTENSION

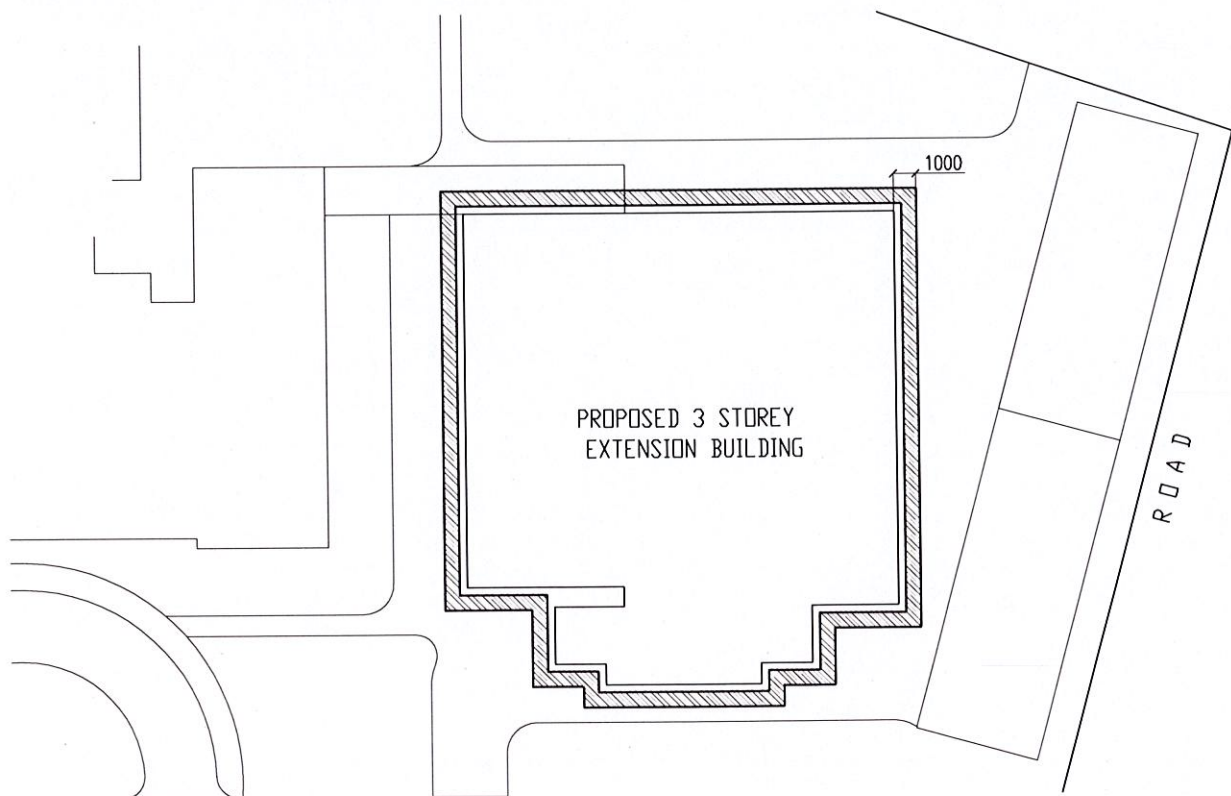
DATE: 20TH APRIL 2016

PROPOSED DEPTH OF FOUNDATION	1450MM FROM GROUND LEVEL
DETAILS OF THE NEIGHBOURING BUILDING	AS SHOWN ON SITE PLAN (DRAWING NO: 1)
DETAILS OF THE FOUNDATION OF NEIGHBOURING BUILDINGS	PRESENTLY NO INFORMATION IS AVAILABLE ABOUT THE FOUNDATION OF THE NEIGHBOURING BUILDINGS

NOTE: THE INFORMATION GIVEN IN THE ROW 2 & 3 OF THE ABOVE GIVEN TABLE ARE CORRECT AT THE TIME OF SUBMISSION OF THE DRAWINGS TO MALE' MUNICIPALITY. THEREFORE ALL NECESSARY DETAILS ABOUT THE FOUNDATIONS OF THE NEIGHBOURING BUILDINGS WILL BE UPDATED AT THE TIME OF START OF THE CONSTRUCTION AND THE RELEVANT EARTH PROTECTION METHOD WILL BE ADOPTED BASED THE SPECIFIC DETAILS

PROPOSED EXCAVATION METHOD

EXCAVATION FOR THE FOUNDATION ALONG THE BOUNDARY LINE OF THE ADJOINING PLOTS WILL BE CARRIED OUT IN STEPPED UNITS OF 450 X 600MM IN VERTICAL AND HORIZONTAL DIMENSIONS RESPECTIVELY. ALL NECESSARY PRECAUTIONS WILL BE TAKEN INTO ACCOUNT, TO PROTECT THE FRESHLY CUT SURFACE OF THE NATURAL GROUND, TO PREVENT IT FROM FALL DUE TO THE ACTION OF WEATHER OR ANY OTHER ACTION THAT MAY CAUSE SUCH A FALL. HENCE, THE FOLLOWING EARTH PROTECTION METHOD WILL BE ADOPTED AT THE BOUNDARIES OF ALL ADJOINING PLOTS AS SHOWN BELOW.



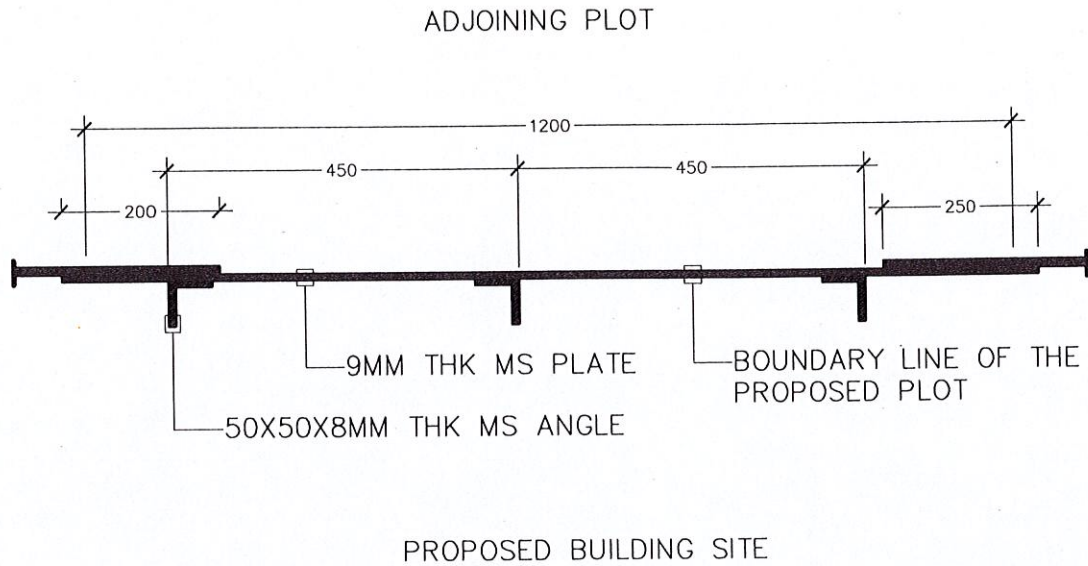
SITE PLAN
NOT TO SCALE



SHEET PILE RETAINING WALLS

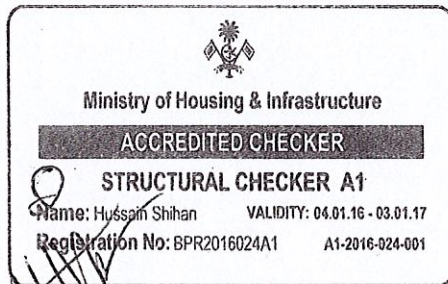
PROPOSED EARTH PROTECTION METHOD

DRIVING 9MM THICK STEEL SHEETS SUPPORTED BY 6MM THICK L-SHAPED MS BARS TO FORM A CANTILEVER SHEET-PILE RETAINING WALL AS SHOWN IN FIGURE-1. G.I. PIPE SUPPORTS WILL BE PROVIDED SIMULTANEOUSLY WITH THE STEPPED EXCAVATION. THE SHEET PILES WILL BE FIRMLY BRACED UNTIL THE COMPLETION OF BACK FILLING.



DRIVING DEPTH OF SHEET PILE:
1800MM FROM THE NATURAL GROUND

FIGURE-1



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