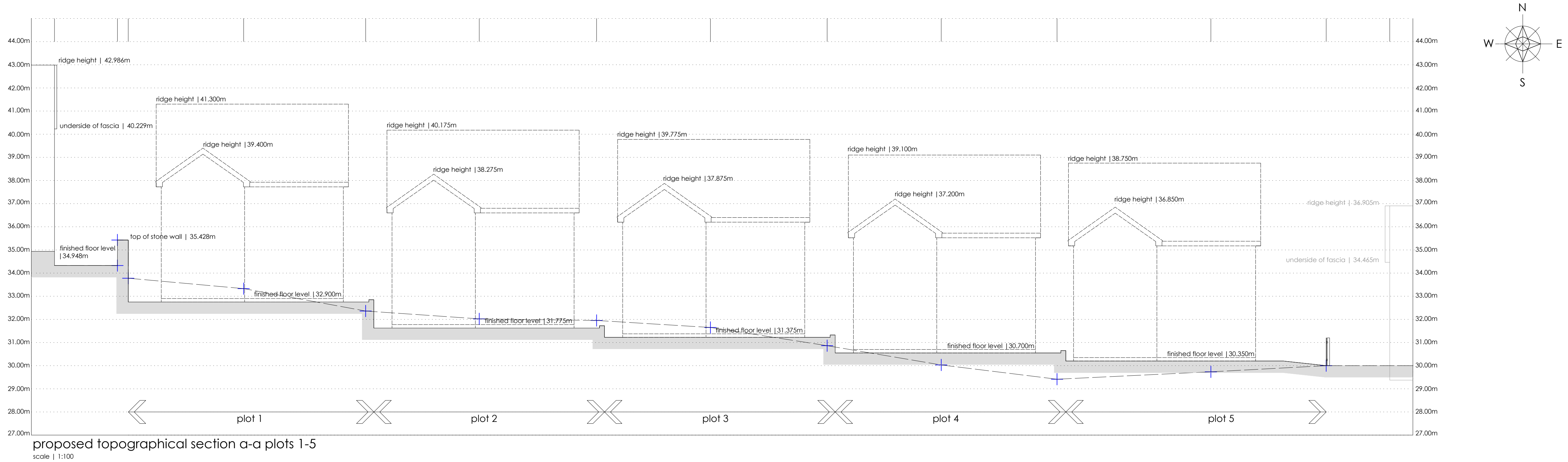
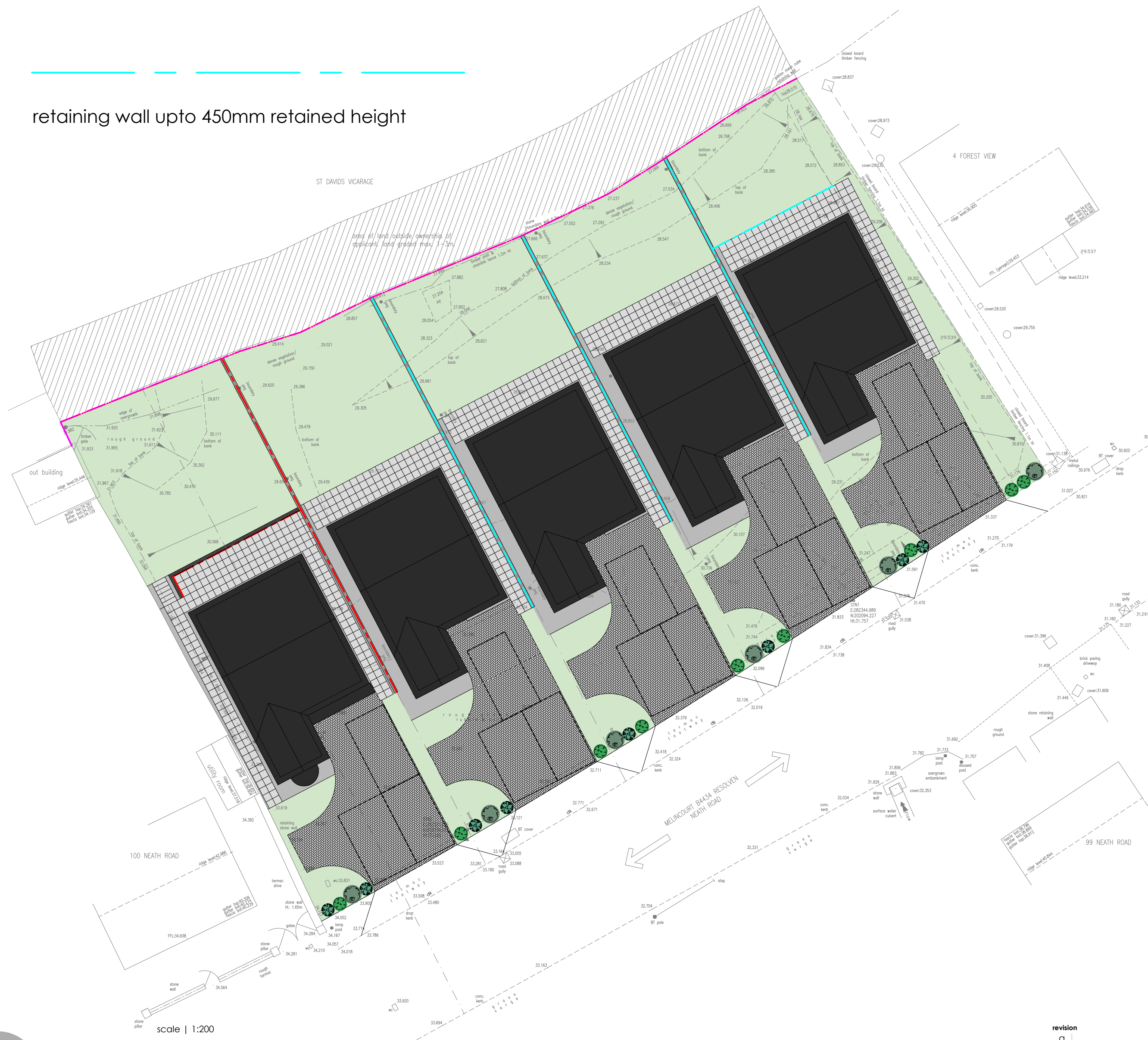




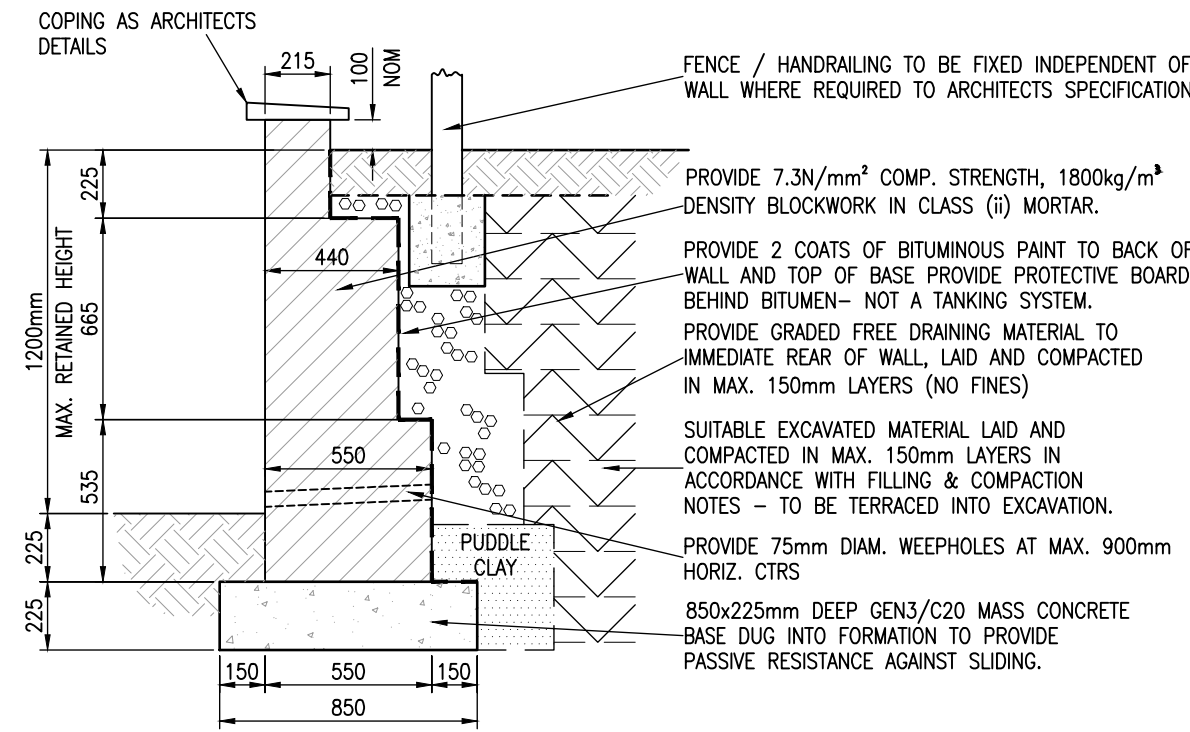
proposed topographical section a-a plots 1-5
scale | 1:100

retaining wall upto 1200mm retained height

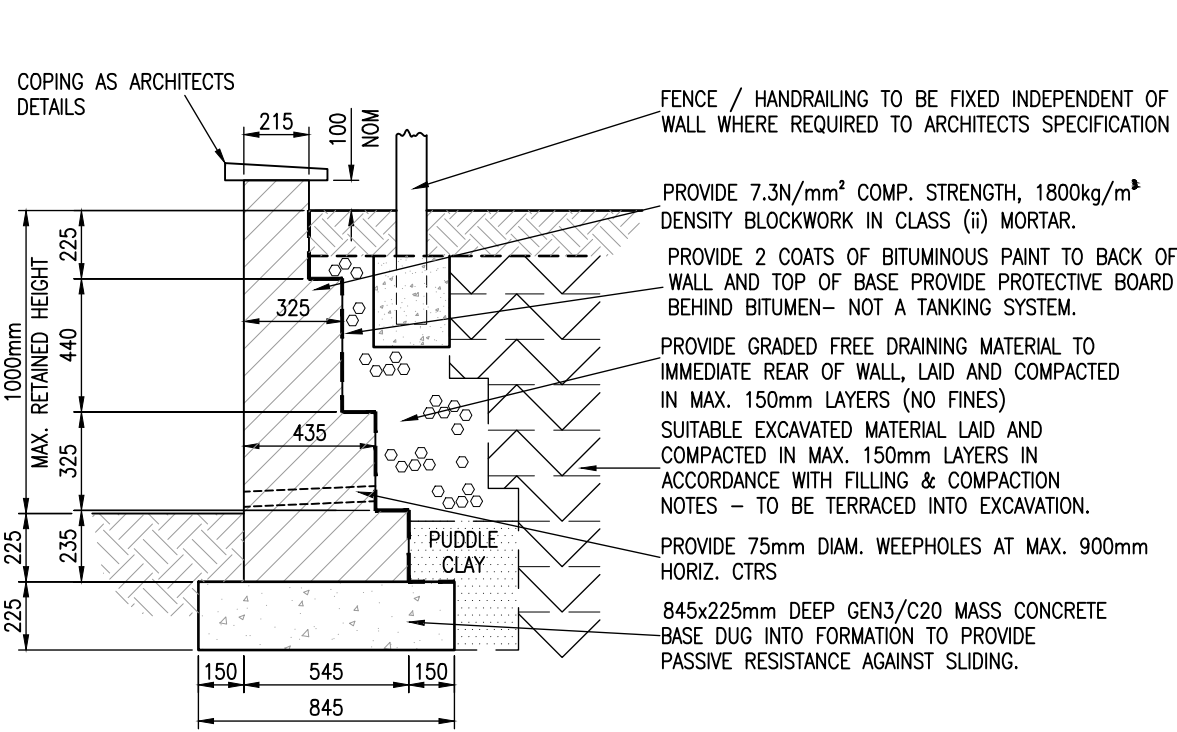
retaining wall upto 450mm retained height



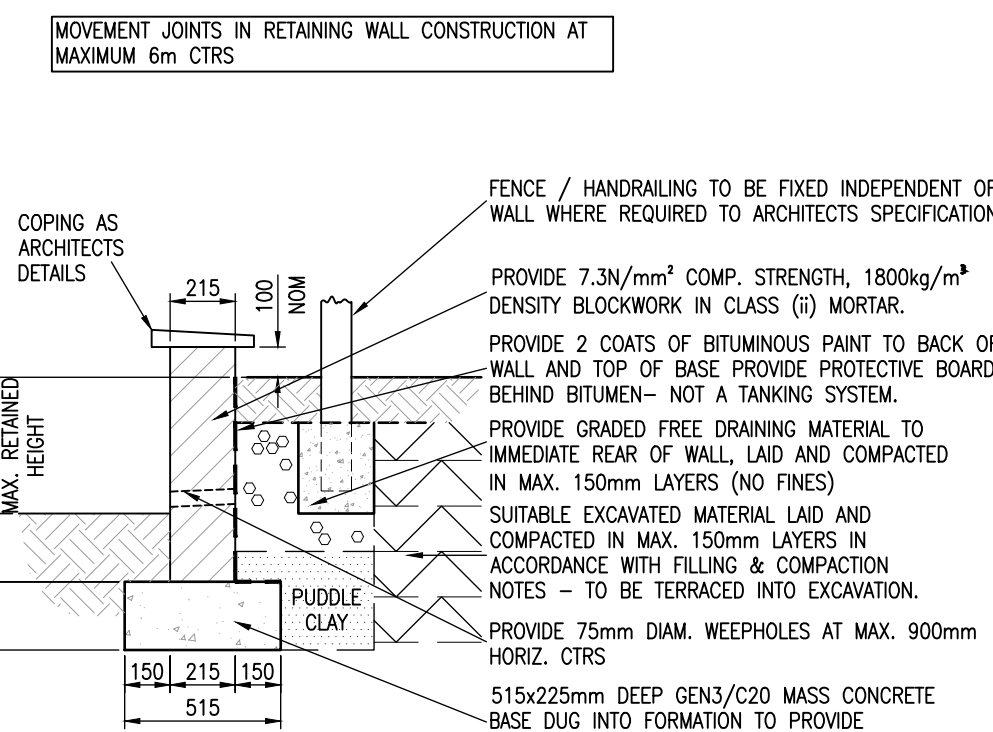
scale | 1:200



**RETAINING WALL UP TO 1200mm
RETAINED HEIGHT**
SCALE 1:20



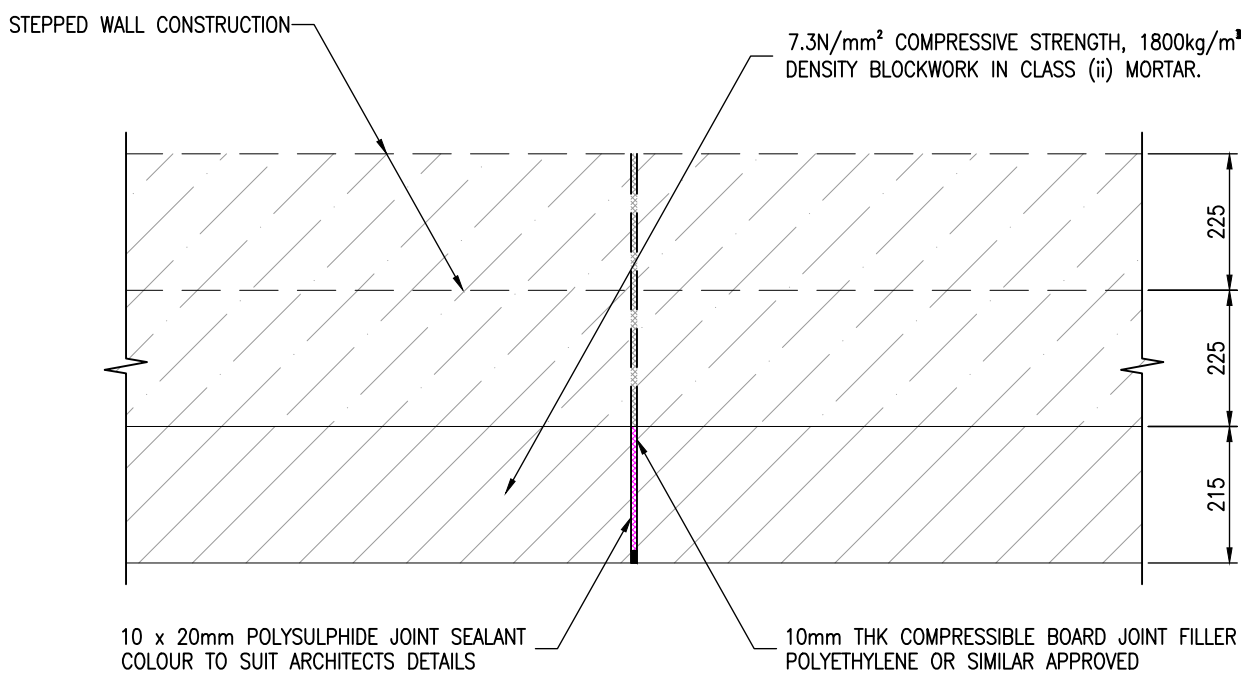
**RETAINING WALL UP TO 1000mm
RETAINED HEIGHT**
SCALE 1:20



**RETAINING WALL UP TO 450mm
RETAINED HEIGHT**
SCALE 1:20

LOW LIFT CONSTRUCTION

THE CONCRETE INFILL SHOULD BE PLACED AS PART OF THE PROCESS OF LAYING THE UNITS AT MAXIMUM VERTICAL INTERVALS OF 450mm. ANY EXCESS MORTAR IN THE CAVITY SHOULD BE REMOVED BEFORE INFILLING. THE INFILL CONCRETE SHOULD BE PLACED IN LAYERS TO WITHIN 50mm OF THE LEVEL OF THE LAST COURSE LAID AND SHOULD BE PLACED USING RECEPABLES WITH SPOUTS TO AVOID STAINING AND SPLASHING OF FACE WORK. IT IS IMPORTANT THAT THE CONCRETE INFILL SHOULD BE COMPACTED IMMEDIATELY AFTER POURING. CARE SHOULD BE TAKEN TO AVOID RAISING THE WALLS TOO RAPIDLY, CAUSING DISRUPTION DUE TO EXCESSIVE LATERAL PRESSURE FROM THE INFILL CONCRETE BEFORE THE MASONRY HAS HAD TIME TO GAIN SUFFICIENT STRENGTH. LOW LIFT CONSTRUCTION WALL TIES SHALL BE STAINLESS STEEL TWO PART TIES BY ANCON CLARK OR SIMILARLY APPROVED CONFORMING TO BS1243 POSITIONED AT 900mm HORIZONTAL CTRS AND 450mm VERTICAL CTRS.



**MASS BLOCKWORK RETAINING WALL
MOVEMENT JOINT PLAN DETAIL**
SCALE 1:10

ASSUMED GROUND BEARING PRESSURE USED IN FOUNDATION DESIGN - 125kN/m² TBC ON SITE BY BUILDING CONTROL OFFICER.

WALL DESIGN IS BASED ON 30° ANGLE OF FRICTION & GRANULAR MATERIAL.

ALL BURIED CONCRETE SHOULD CONFORM TO DESIGN CLASS DS-1, ACEC CLASS AC-1, OF BRE DIGEST 1:2005

ALL MASS CONCRETE SHALL BE GRADE GEN3 IN ACCORDANCE WITH BS8110/BS8500/BSEN206-1 - MECHANICALLY COMPACTED & SHOULD BE MANUFACTURED, CONSTRUCTED & INSPECTED IN ACCORDANCE WITH "THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION FOR BUILDING CONSTRUCTION".

CONTRACTOR TO DESIGN, SUPPLY, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY PROPPING TO ENSURE CONTINUED STABILITY TO ALL PARTS OF NEW AND EXISTING STRUCTURE.

NOTE:
ALL SOFT SPOTS ENCOUNTERED TO BE EXCAVATED AND REPLACED WITH LEAN MIX GEN 3 CONCRETE.

NOTE:
ALL DIMENSIONS AND LEVELS ARE BASED ON SITE SURVEY. THE CONTRACTOR MUST VERIFY ALL DIMENSIONS AND LEVELS ON SITE BEFORE PROCEEDING.

CONCRETE:

ALL MASS CONCRETE SHALL BE GRADE GEN3 IN ACCORDANCE WITH BS8110/BS8500/BSEN206-1 - MECHANICALLY COMPACTED & SHOULD BE MANUFACTURED, CONSTRUCTED & INSPECTED IN ACCORDANCE WITH "THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION FOR BUILDING CONSTRUCTION".

ALL REINFORCED CONCRETE SHALL BE GRADE RC32/40 IN ACCORDANCE WITH BS8110/BS8500/BSEN206-1 - MECHANICALLY COMPACTED & SHOULD BE MANUFACTURED, CONSTRUCTED & INSPECTED IN ACCORDANCE WITH "THE NATIONAL STRUCTURAL CONCRETE SPECIFICATION FOR BUILDING CONSTRUCTION".

ALL SHUTTERING TO BE DESIGNED, SUPPLIED, ERECTED AND MAINTAINED BY A SPECIALIST SUB-CONTRACTOR.

MINIMUM CONCRETE COVER TO BE 40mm UNLESS NOTED OTHERWISE.

ENSURE MINIMUM OVERLAP OF 400mm TO MESH REINFORCEMENT IN BOTH DIRECTIONS.

ALL REINFORCEMENT TO BE HIGH YIELD STEEL (500N/mm²) IN ACCORDANCE WITH BS8110 WITH BARS BENT & CUT IN ACCORDANCE WITH BS8666 & RCA BAR BENDING SCHEDULES.

ALL SPACERS & CHAIRS TO REINFORCEMENT TO BE IN ACCORDANCE WITH BS8110:1 & BS7973.

LAP LENGTHS TO ALL BAR Ø = 40xØ MIN. (U.N.O.)

CONTRACTOR TO DESIGN, SUPPLY, INSTALL AND MAINTAIN ALL NECESSARY TEMPORARY PROPPING TO ENSURE CONTINUED STABILITY TO ALL PARTS OF NEW AND EXISTING STRUCTURE.