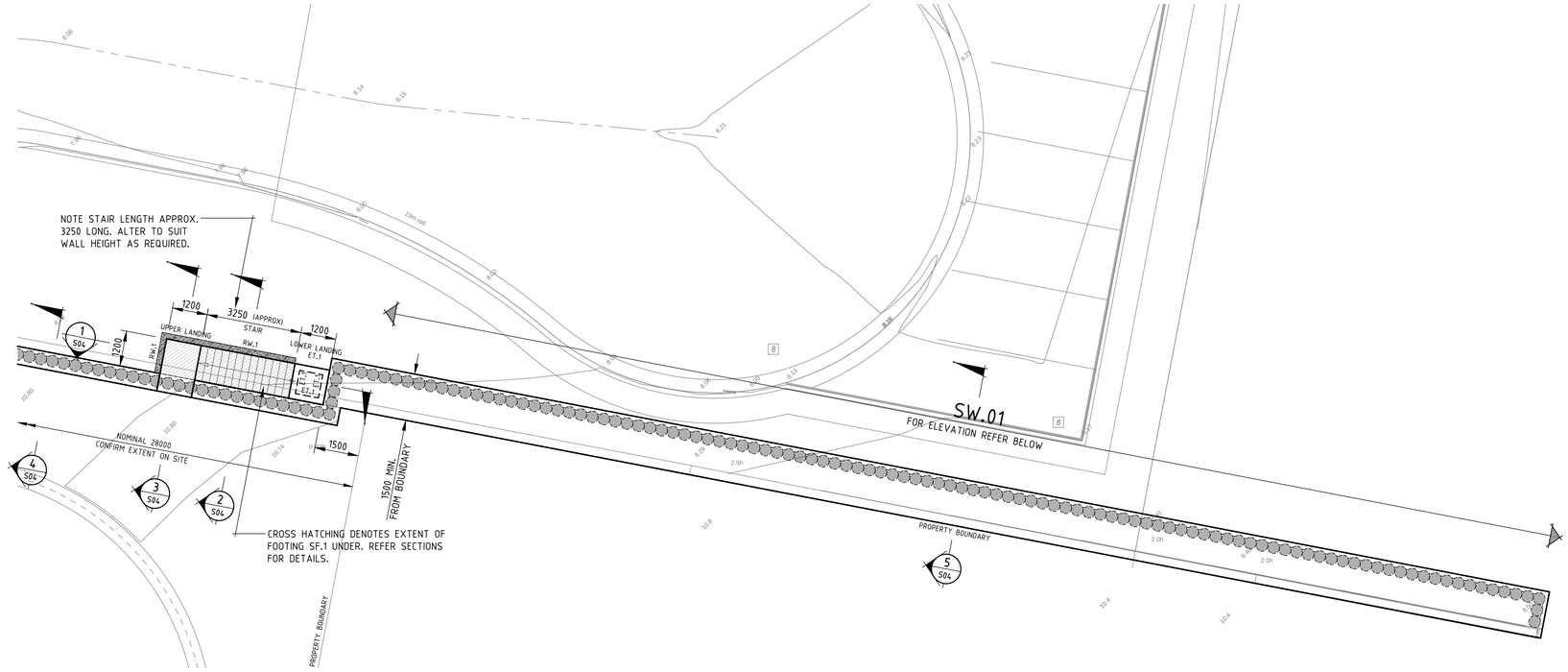
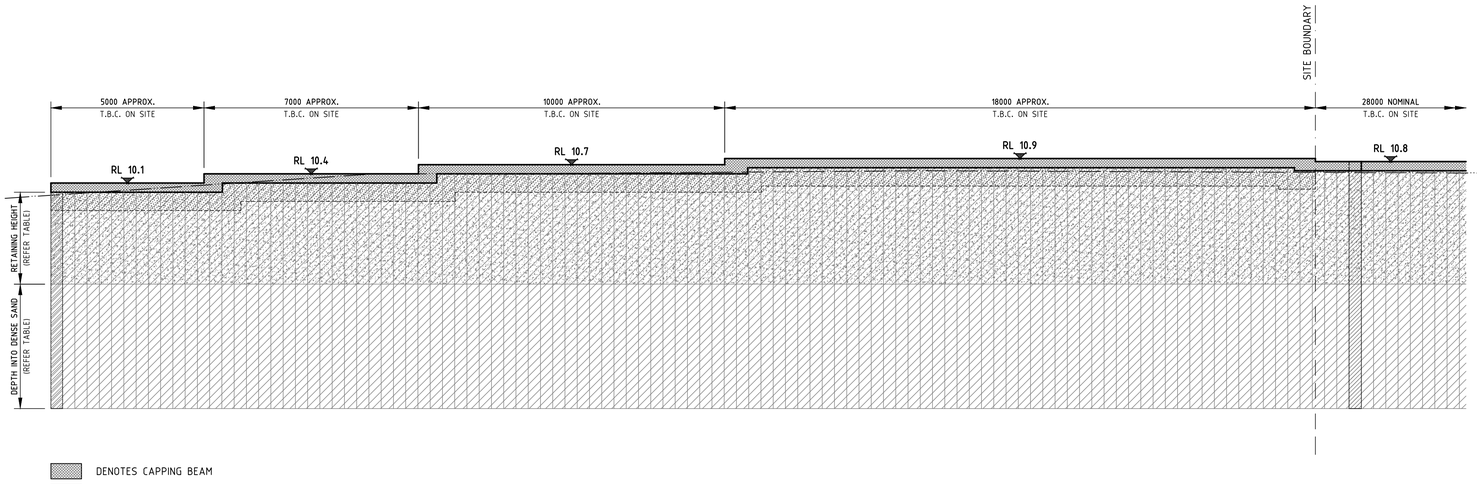
XREF'S: –



CFA PILE WALL AND STAIR LAYOUT PLANS

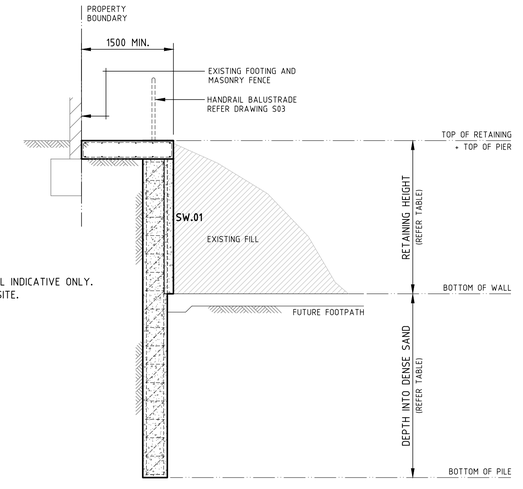
SCALE 1:100

REFER DRAWING S01 FOR GENERAL AND BULK EARTHWORK/SHORING NOTES



CAPPING BEAM + CFA PILE WALL ELEVATION SW.01

SCALE 1:100



REFER TO CFA PILE WALL SCHEDULE FOR REQUIRED PILE DEPTHS ✳

TYPICAL CFA PILE WALL SECTION

STAIR NOTES

1. STAIR DETAILS
   CONCRETE STRENGTH f'c **32 MPa**
   MINIMUM STAIR WAIST **150mm** U.N.O.
   DISTRIBUTION REINFORCEMENT **N12.300**

(1) N12.400 DOWELS BARS AT LANDING/STAIR THROAT MID DEPTH x 400mm LONG DRILL AND EPOXY INTO WALL - 125mm EMBEDMENT

C.J. SCABBLE CONCRETE BACK TO AGGREGATE & PAINT WITH APPROVED BONDING AGENT IMMEDIATELY PRIOR TO CASTING STAIRS

C.J's NOTED AT FLOOR LEVELS ARE SUGGESTED LOCATIONS ONLY
FINAL LOCATION TO SUIT BUILDER - REINFORCEMENT TO BE MAINTAINED.

SLAB ON GROUND NOTES

1. ALL SLAB ON GROUND UNLESS NOTED OTHERWISE ON PLAN TO BE **100mm THICK MINIMUM** TYPICAL THROUGHOUT.

   CONCRETE STRENGTH f'c = **25 MPa**

   SLAB CAST ON APPROVED DAMP PROOF MEMBRANE ON 50mm SAND BLINDING ALL ON PREPARED SUB BASE.
   (REFER SUBGRADE PREPARATION NOTES ON DRAWING S001)

   SLAB REINFORCED TYPICALLY THROUGHOUT AS FOLLOWS...
   1 LAYER SL82 FABRIC TOP - MINIMUM 30mm COVER

   ALL FABRIC LAPPED 2 CROSS WIRES + 50mm TYPICAL.
   PROVIDE 1.N12 TRIMMER TIED TO UNDERSIDE OF FABRIC TO ALL EDGES AND SIDES OF SLABS INCLUDING EACH SIDE OF ALL JOINTS.
   TRIMMERS LAPPED 450mm MINIMUM AND COGGED 300mm AT CORNERS AND ENDS.

CONSTRUCTION SEQUENCE

1. IDENTIFY CLEARLY THE BOUNDARY ALIGNMENT WHERE CFA PILE WALL IS TO BE INSTALLED AND LOCATE ANY EXISTING STRUCTURE (INCLUDING FOOTINGS), PRIOR TO COMMENCEMENT OF DRILLING.
2. INSTALL CFA PILES VIA NON-DISPLACEMENT METHODS AND GROUT REPLACEMENT TO ENSURE MINIMAL GROUND MOVEMENT.
3. CONTINUE PROCESS OF INSTALLING CFA PILES AND REINFORCEMENT. ADJACENT PILES TO BE PLACED AS CLOSE AS PRACTICAL TO THIS PREVIOUSLY INSTALLED PILE.
4. AFTER THE STRUCTURAL PILES HAVE ACHIEVED DESIGN STRENGTH, EXCAVATION CAN SAFELY COMMENCE IN FRONT OF THE CFA PILE WALL TO DESIGN LEVEL.
5. FACE OF PILED WALL CAN BE CLEANED OF DELETERIOUS MATERIAL PRIOR TO THE INSTALLATION OF THE REINFORCED SPRAYED CONCRETE FACING.

CFA PILE WALL SCHEDULE

RETAINING HEIGHT	NOMINAL DEPTH (BELOW GROUND) ✳	DEPTH INTO DENSE SAND ✳
2500mm MAXIMUM	4500mm MINIMUM	3000mm MINIMUM
1800mm MAXIMUM	3600mm MINIMUM	3000mm MINIMUM
1200mm MAXIMUM	2400mm MINIMUM	2000mm MINIMUM

THE ABOVE REQUIREMENTS TO BE VERIFIED BY A QUALIFIED GEOTECHNICAL ENGINEER AND CFA PILE WALL DESIGN ENGINEER.

Rev	Date	Description	By	Chk
08	22.07.13	Issued for Approval	BC	BT
07	05.06.13	Issued for Approval	BC	BT
06	18.04.13	Issued for Approval	KOJ	BT
05	04.04.13	Issued for Building Approval	BC	BT
04	04.04.13	Issued for Building Approval	BC	BT
03	11.03.13	Issued for Building Approval	MTS	BT
02	14.12.12	PRELIMINARY - Issued for Approval	BC	BT
01	13.12.12	PRELIMINARY - Issued for Approval	BC	BT

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Client: NEWTON DENNY CHAPELLE

Project Name: CASUARINA BEACH TOWN CENTRE
ROAD 6 CULDESAC

Title: RETAINING WALL LAYOUT AND DETAILS

Discipline	Status
STRUCTURAL	APPROVAL

Designed By	Checked By	Approved By
BT	BT	BT

Project No.	Drawn By	Scale at A1
14395	BC	AS INDICATED

Drawing No.	Revision
S02	08