DOCUMENTATION OF

COASTAL PROTECTION WORKS

AT 29, 31 & 33 PACIFIC STREET AND 23A, 23B & 25C OCEAN VIEW DRIVE, WAMBERAL, NSW

HORTON COASTAL ENGINEERING PTY LTD

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DRAWING LIST				
Sheet Number	Sheet Title			
S01	TITLE SHEET			
S02	PRINCIPAL PLAN (CONCEPT)			
S03	EROSION AND SEDIMENT CONTROL AND WASTE MANAGEMENT PLAN			
S04	CONCEPT SECTION 1			
S05	CONCEPT SECTION 2			
S06	CONCEPT SECTION 3			
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S08	CONCEPT SECTION 5			
S09	CONCEPT SECTION 6			
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S12	EAST ELEVATION			

NOTES:

- WALL, FOOTING AND ENGINEERED FILL STRUCTURAL & GEOTECHNICAL DESIGN TO BE CONFIRMED. ALL SIZES AND SECTIONS ARE INDICATIVE ONLY & SUBJECT TO REVIEW
- 2. WHERE PROPRIETARY ELEMENTS ARE USED THEY SHALL BE USED IN ACCORDANCE WITH MANUFACTURER DETAILS
- 3. SURVEY IS SOURCE OF EXISTING LEVELS, EL, SHOWN ON SECTIONS, AND REPRESENT ERODED POST-STORM LEVELS IN JUNE 2016

Application No: 52565/2017

Date of Consent: 21/06/2018

Plan Approved subject to conditions and the amendments, if any, shown in RED

REFERENCE DOCUMENTS

- 1. SURVEY DRAWING PREPARED BY: **CLARKE DOWDLE & ASSOCIATES** Ph. +61 2 43443553 REF No. 20265 **DATED: 24.06.14 (SEE NOTE 3)**
- 2. PRE STORM PROFILES DERIVED FROM OEH PHOTOGRAMMETRIC DATA DATED: 05.04.16

OCEAN VIEW DRIVE, WAMBERAL, NSW

COASTAL PROTECTION WORKS

29, 31 & 33 PACIFIC STREET AND 23A, 23B & 25C

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TITLE SHEET

COASTAL ENGINEERING DESIGN: HORTON COASTAL ENGINEERING PTY LTD 18 Revnolds Cres Beacon Hill NSW 2100 TEL: +61 (0)407 012 538

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STRUCTURAL ENGINEERING DESIGN: **James Taylor & Associates** Civil & Structural Consulting Engineers SUITE 301, 115 MILITARY ROAD NEUTRAL BAY NSW 2090 TEL: 02 99691999

EMAIL: mail@jamestaylorassociates.com.au

WRITTEN PERMISSION FROM HORTON COASTAL ENGINEERING AND JAMES TAYLOR & ASSOCIATES

THIS DESIGN AND PLANS ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART WITHOUT

DESIGN R.Y. CHKD. R.Y. APPRD. P.H.

P.P. R.Y.

R.Y.

R.Y.

R.Y.

R.Y.

CHKD

P.P.

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DRAWN P.P.

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ISSUED FOR APPROVAL

NO WORKS SEAWARD OR NORTH

RESPONSE TO COUNCIL REQUESTS

ISSUED FOR REVIEW

ISSUED FOR REVIEW

DESCRIPTION

PROJECT NO. 5968

07.05.18 F

21.03.18 E

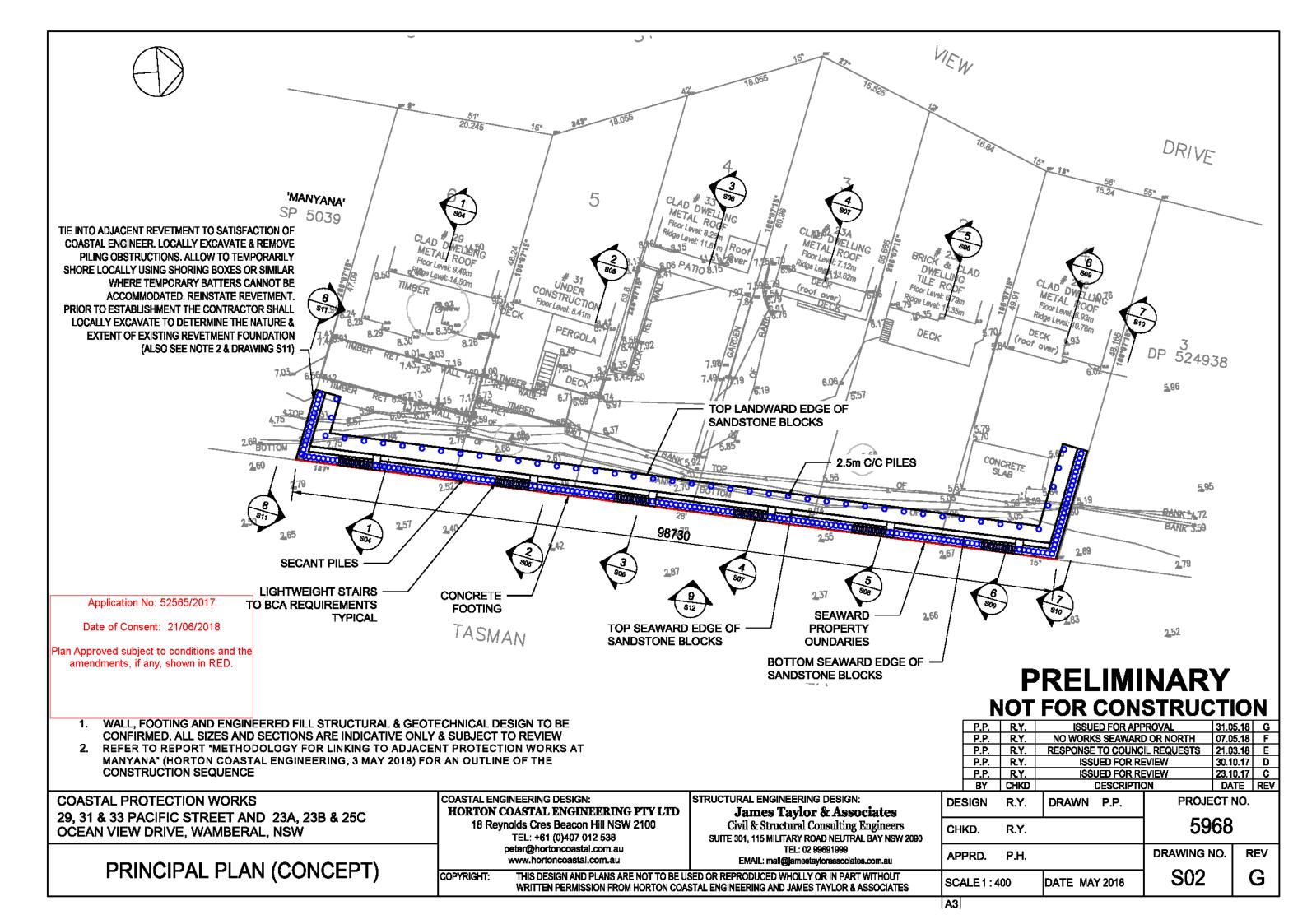
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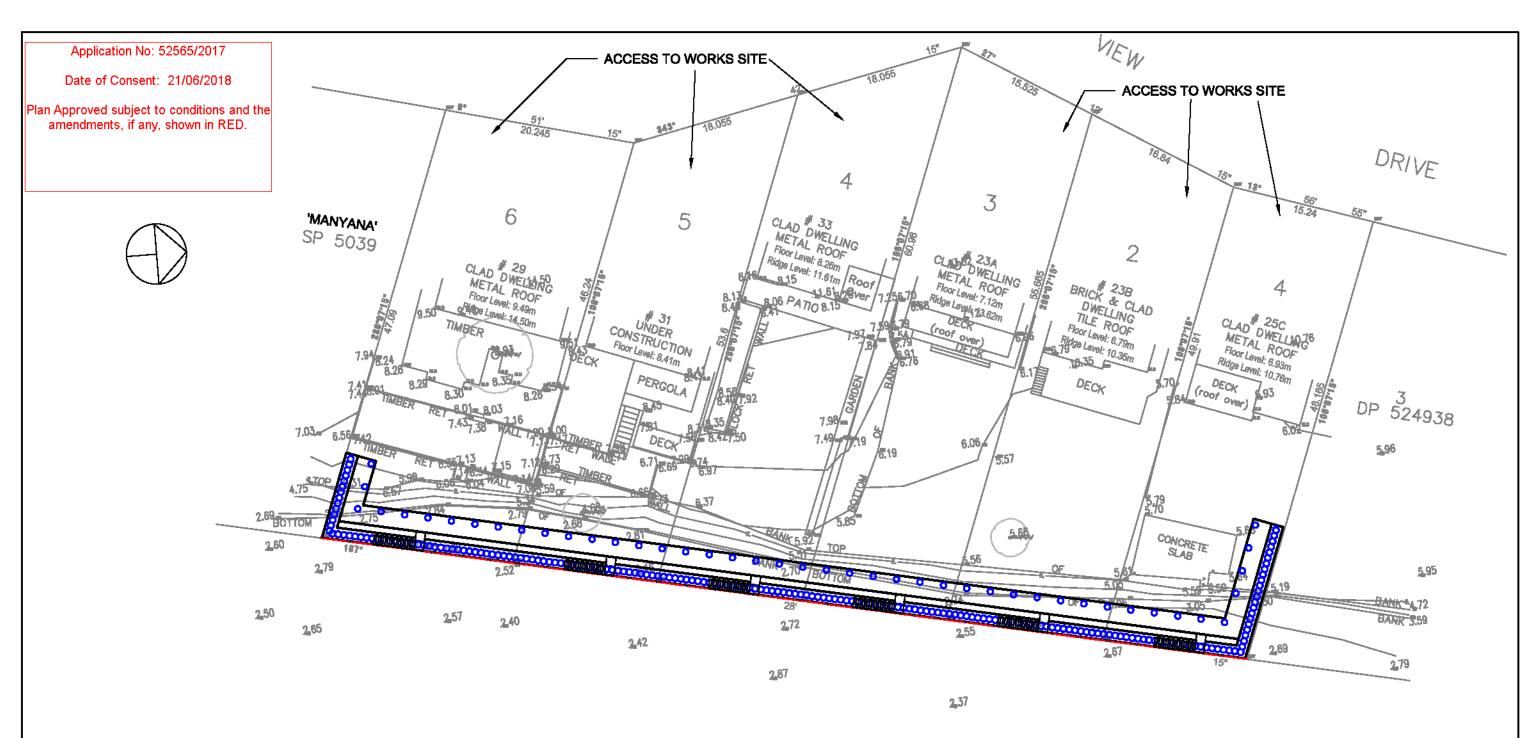
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DATE REV

SCALE DATE MAY 2018 DRAWING NO. REV **S01** G

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- RUBBLE AND OTHER MATERIALS OR WASTE THAT WOULD BE UNSUITABLE ON A BEACH ARE TO BE SEPARATED AND STOCKPILED WHERE ENCOUNTERED DURING EXCAVATION (WITH RUBBLE POTENTIALLY TO BE REUSED, SEE NOTE 5)
- ALL DELETERIOUS MATERIALS AND EQUIPMENT THAT COULD BE DAMAGED ARE TO BE PLACED AT LANDWARD EDGE OF WORK AREA OR REMOVED FROM WORK AREA, AS DIRECTED BY A COASTAL ENGINEER, IF STORM EROSION IS PREDICTED
- WHEN PLACING SAND TO BURY THE FACE OF THE SEAWALL AT THE COMPLETION OF THE BLOCK WORKS, SCREENING IS TO BE UNDERTAKEN TO REMOVE RUBBLE AND OTHER MATERIALS THAT WOULD BE UNSUITABLE ON A BEACH
- ANY WASTE MATERIALS SHALL BE DISPOSED OF AT AN APPROPRIATE WASTE MANAGEMENT FACILITY OFF SITE
- RUBBLE MATERIALS MAY BE BURIED LANDWARD OF THE SEAWALL, SUBJECT TO A WASTE CLASSIFICATION UNDERTAKEN BY A SUITABLY QUALIFIED ENVIRONMENTAL CONSULTANT (WHO IS A MEMBER OF THE AUSTRALIAN CONTAMINATED LAND CONSULTANTS ASSOCIATION INC) AND TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

P.P.	R.Y.	ISSUED FOR APPROVAL	31.05.18	G	
P.P.	R.Y.	NO WORKS SEAWARD OR NORTH	07.05.18	F	
P.P.	R.Y.	RESPONSE TO COUNCIL REQUESTS	21.03.18	E	
P.P.	R.Y.	ISSUED FOR REVIEW	30.10.17	O	
P.P.	R.Y.	ISSUED FOR REVIEW	23.10.17	C	
BY	CHKD	DESCRIPTION	DATE	REV	

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COASTAL PROTECTION WORKS 29, 31 & 33 PACIFIC STREET AND 23A, 23B & 25C OCEAN VIEW DRIVE, WAMBERAL, NSW

EROSION AND SEDIMENT CONTROL AND WASTE MANAGEMENT PLAN

COASTAL ENGINEERING DESIGN: HORTON COASTAL ENGINEERING PTY LTD 18 Reynolds Cres Beacon Hill NSW 2100 TEL: +61 (0)407 012 538 peter@hortoncoastal.com.au www.hortoncoastal.com.au

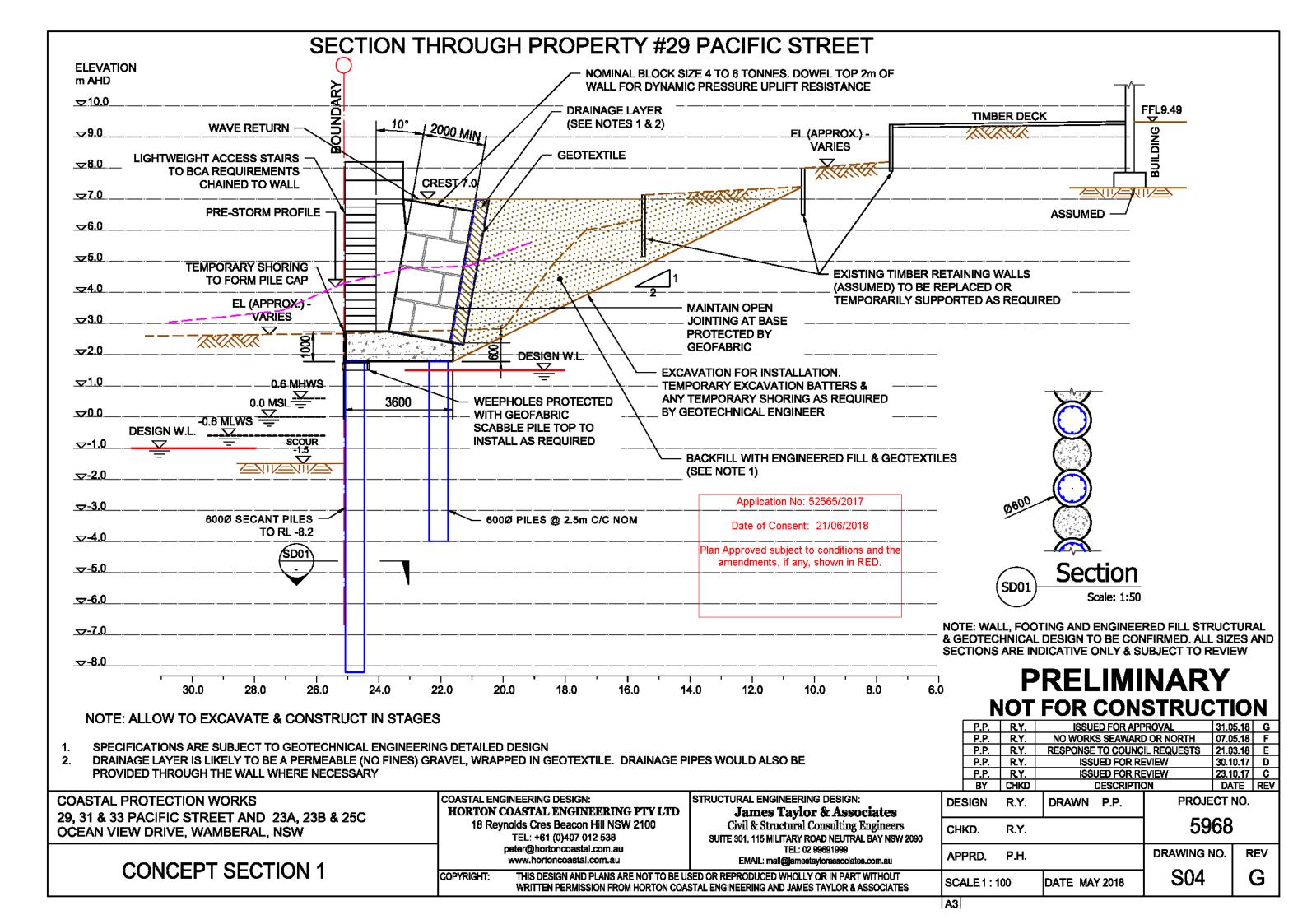
STRUCTURAL ENGINEERING DESIGN: **James Taylor & Associates** Civil & Structural Consulting Engineers SUITE 301, 115 MILITARY ROAD NEUTRAL BAY NSW 2090 TEL: 02 99691999

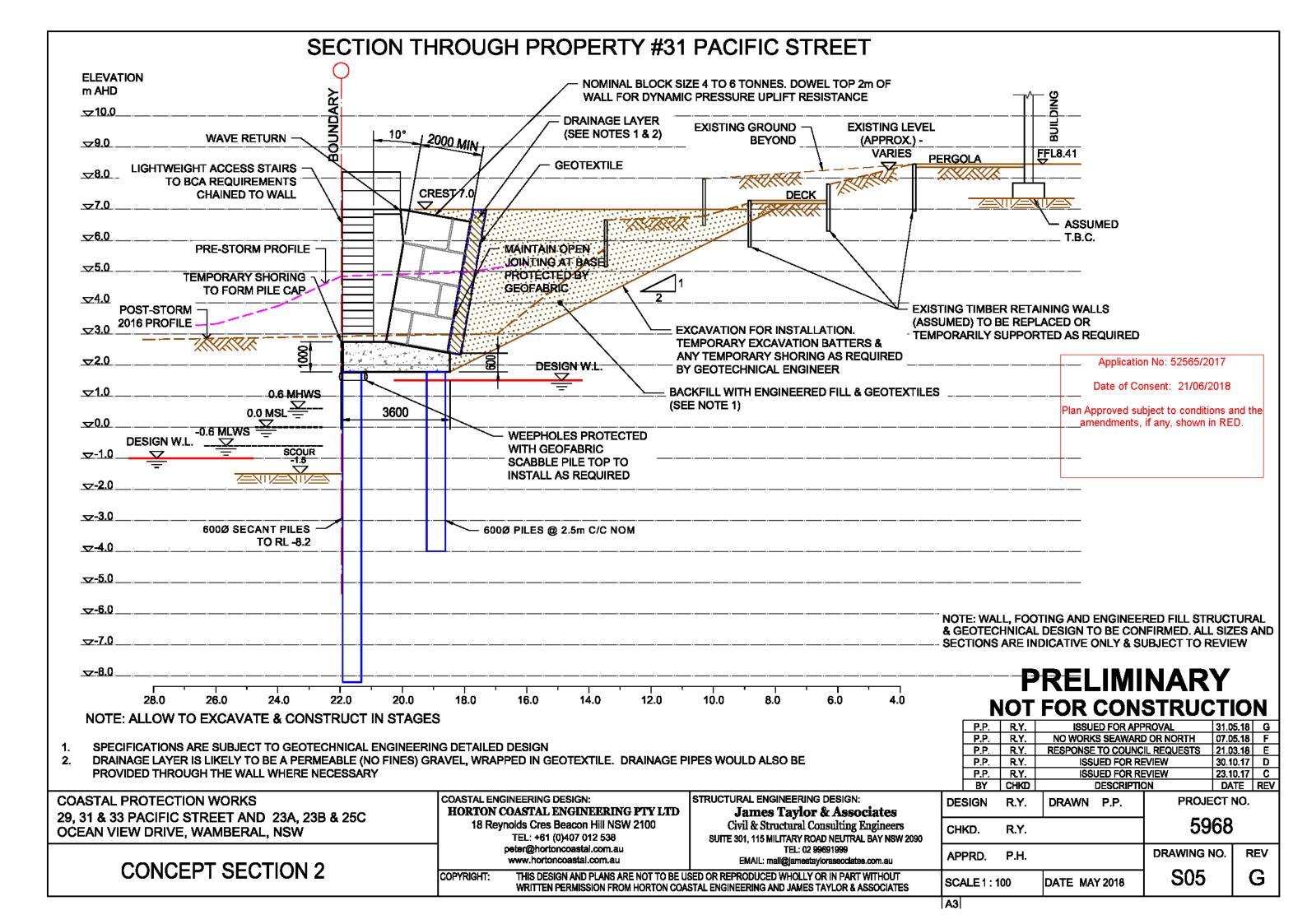
EMAIL: mail@larnestaylorassociates.com.au

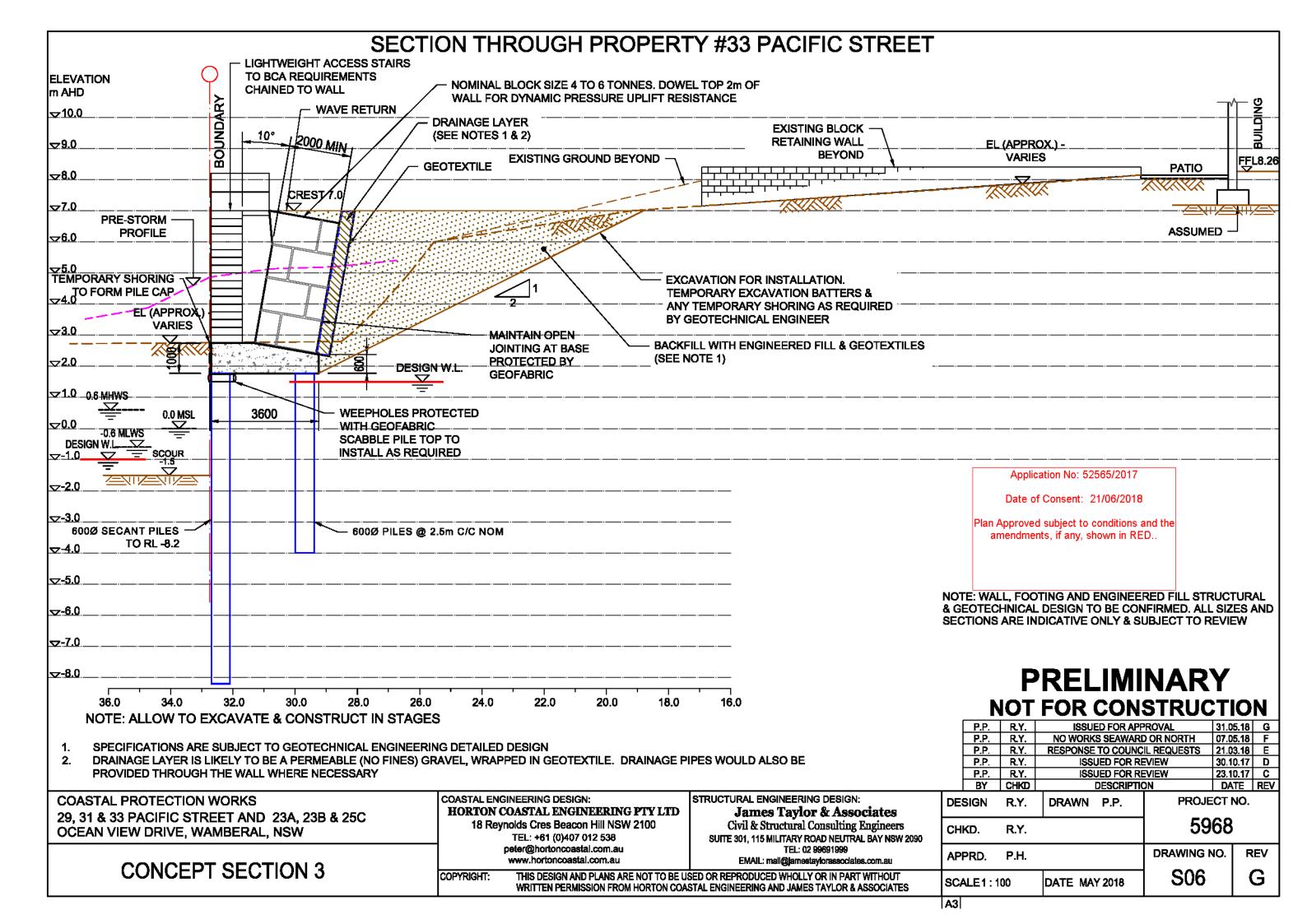
PROJECT NO. **DESIGN** R.Y. DRAWN P.P. 5968 CHKD. R.Y. DRAWING NO. APPRD. P.H. **S03** SCALE1:400 DATE MAY 2018

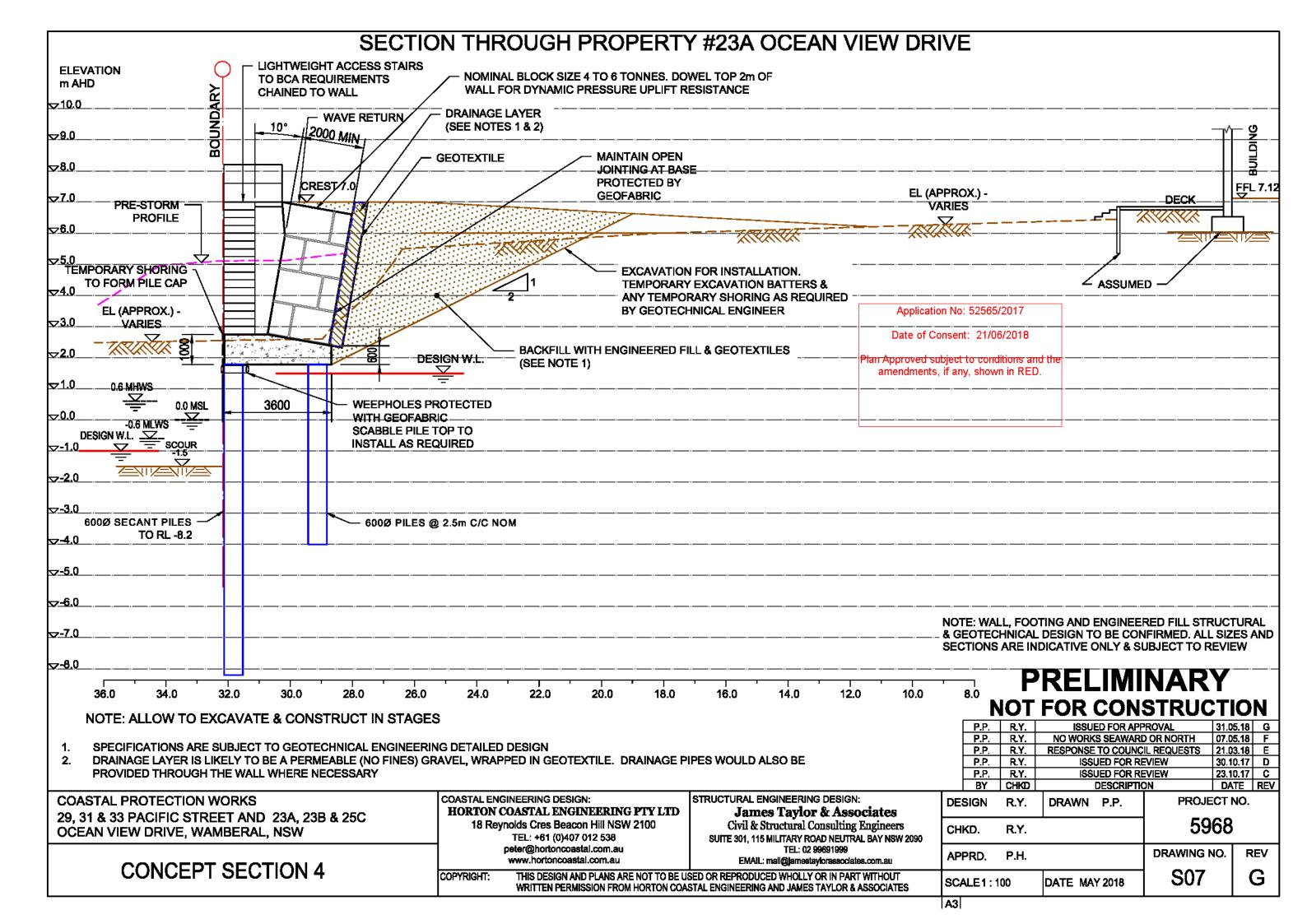
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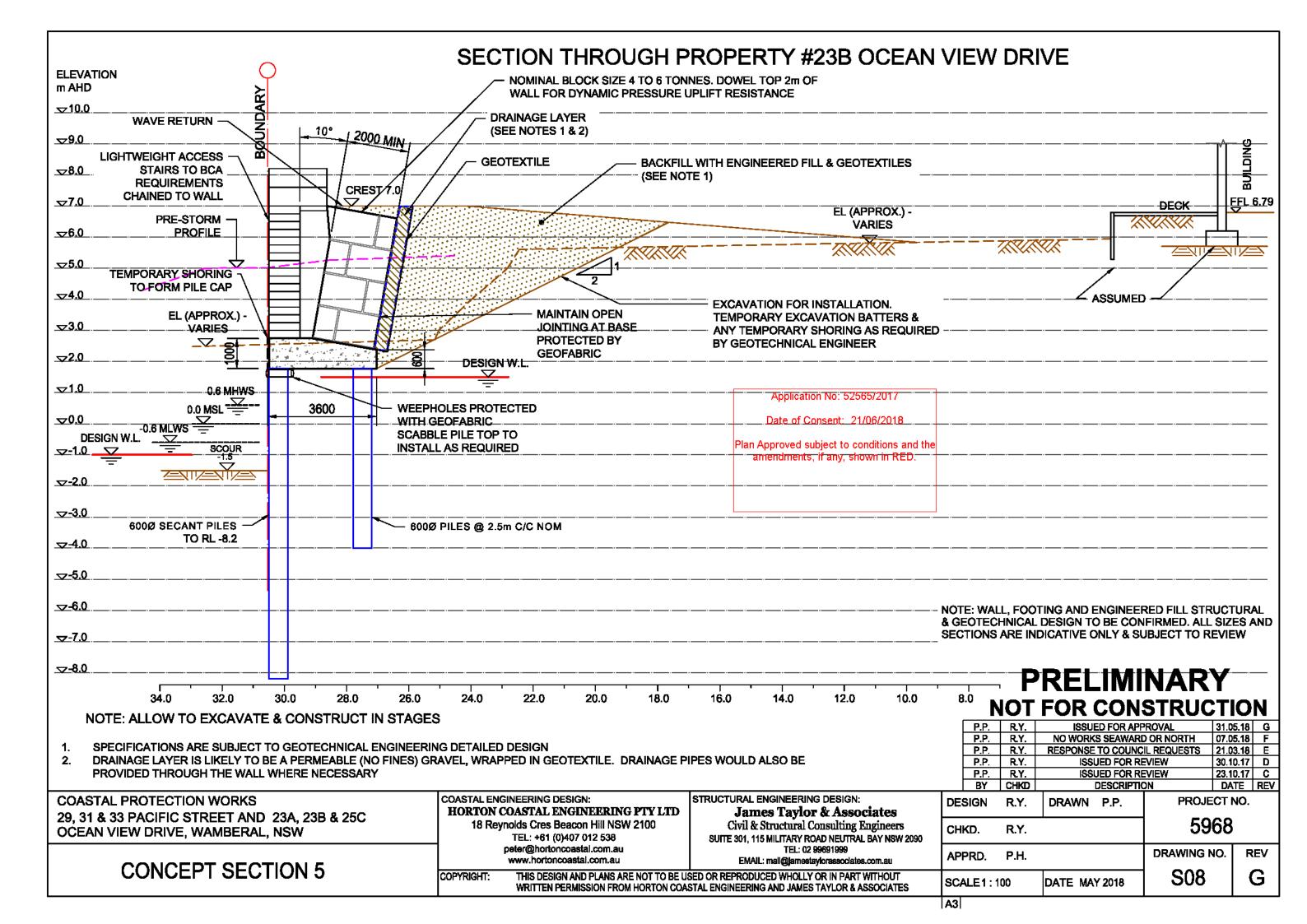
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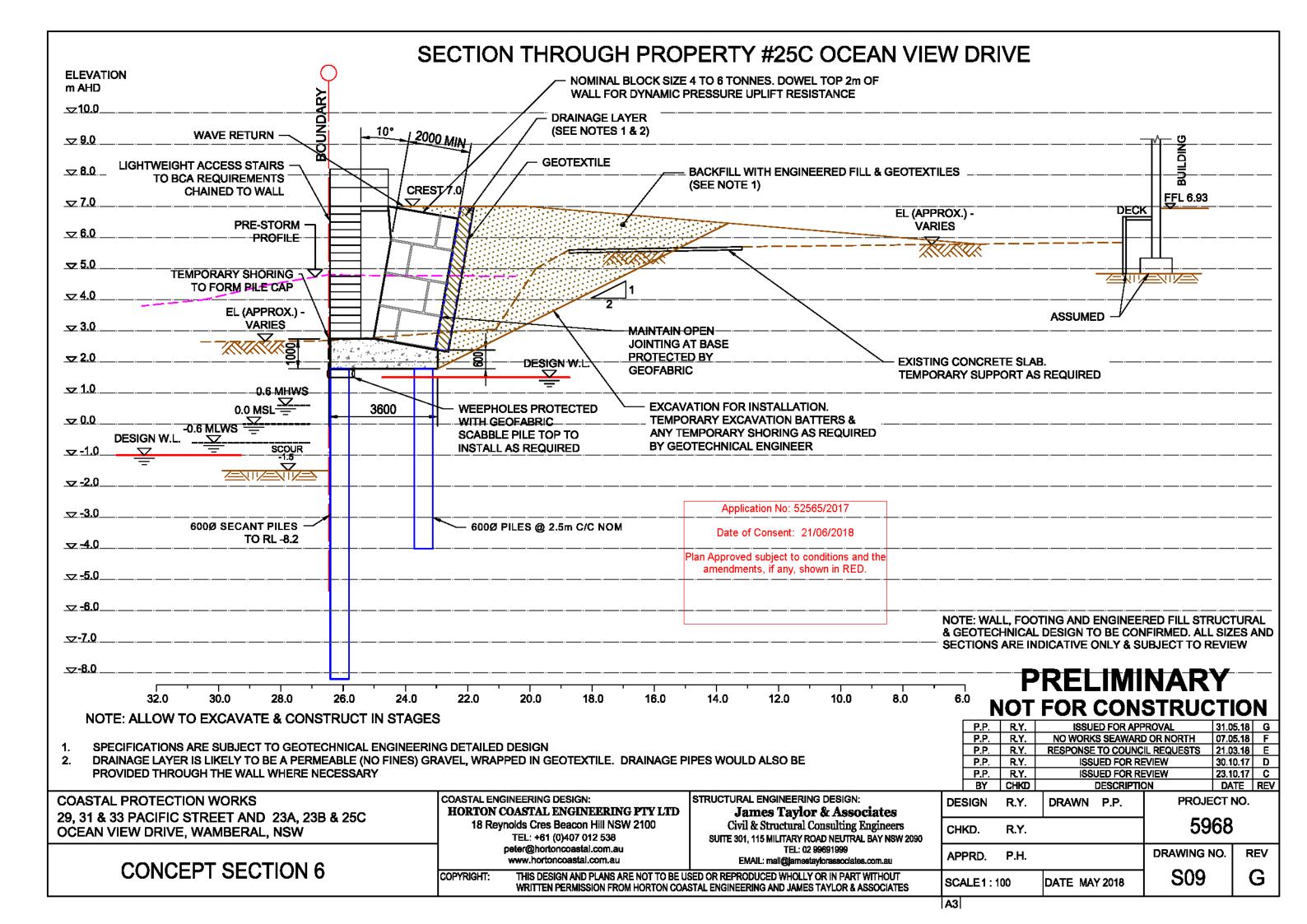


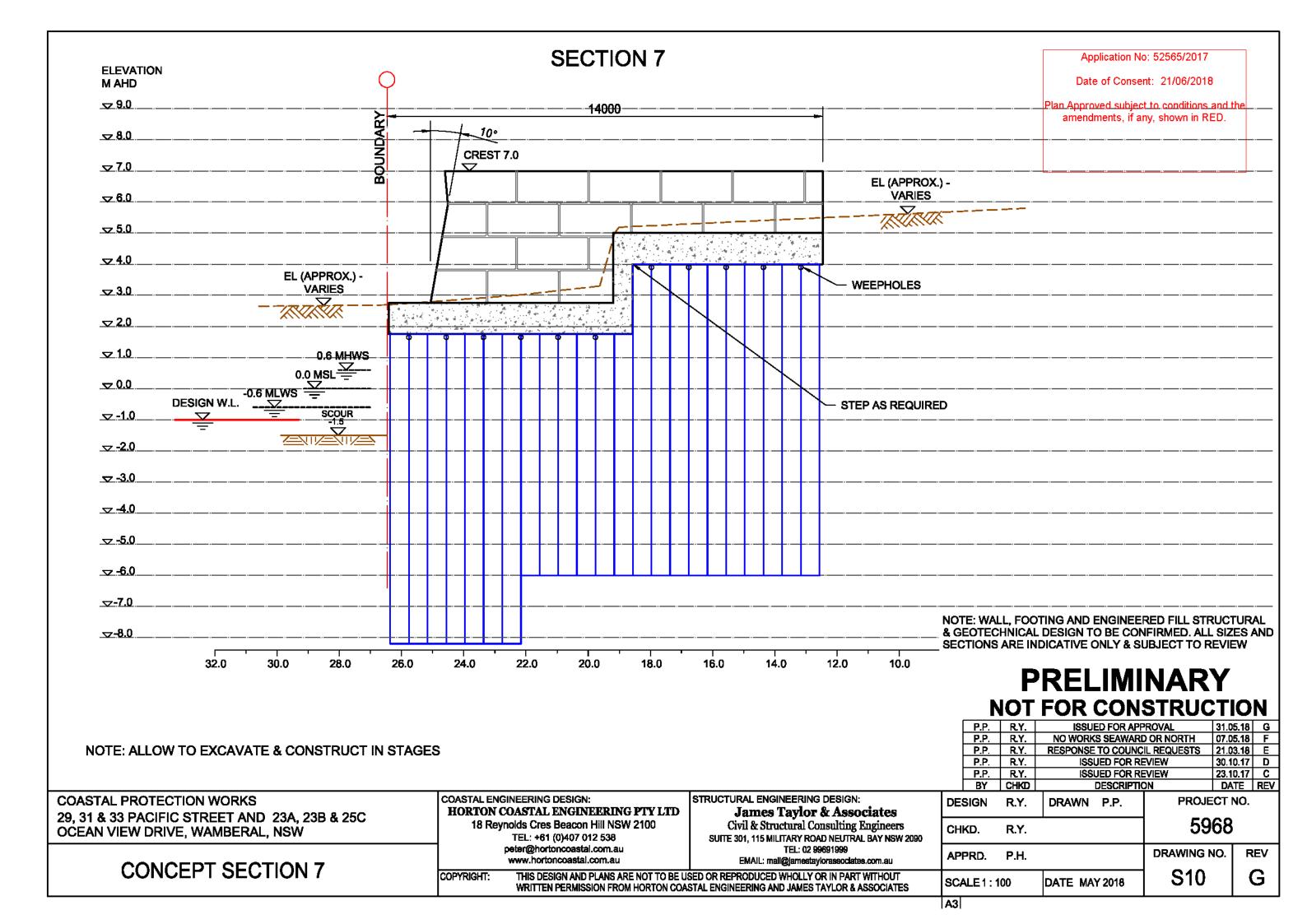


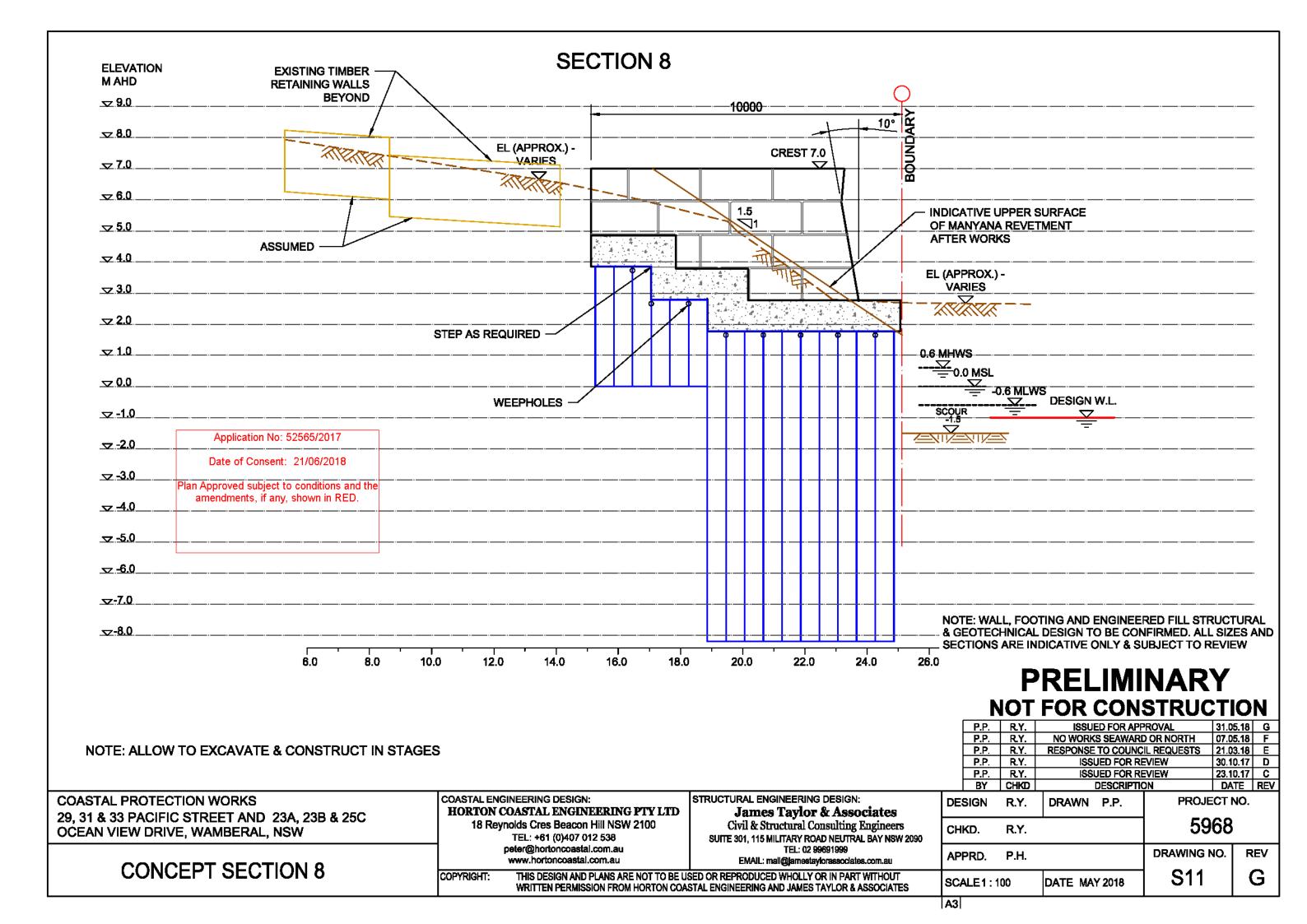


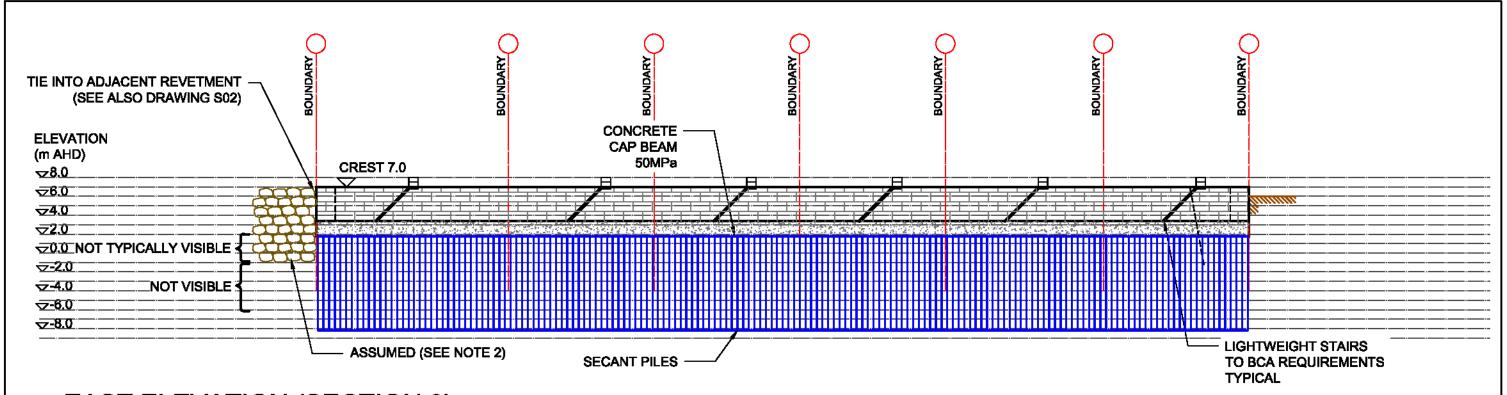












EAST ELEVATION (SECTION 9)

Application No: 52565/2017

Date of Consent: 21/06/2018

Plan Approved subject to conditions and the amendments, if any, shown in RED.

> NOTE: WALL, FOOTING AND ENGINEERED FILL STRUCTURAL & GEOTECHNICAL DESIGN TO BE CONFIRMED. ALL SIZES AND SECTIONS ARE INDICATIVE ONLY & SUBJECT TO REVIEW

> > RY.

R.Y.

R.Y.

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P.P.

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RESPONSE TO COUNCIL REQUESTS

ISSUED FOR REVIEW

07.05.18 F

21.03.18 E

- THE NATURE OF THE TIE INTO THE EXISTING REVETMENT ON THE SOUTHERN SIDE WILL DEPEND ON THE CONFIGURATION OF THE EXISTING REVETMENT AT 'MANYANA'. THE REQUIREMENTS WOULD BE DETERMINED AFTER EXCAVATION FOR CONSTRUCTION AND ASSESSMENT AT THAT TIME. TEMPORARY SHORING MAY BE NECESSARY TO LIMIT SLUMPING OF THE EXISTING REVETMENT DURING **CONSTRUCTION. SEE NOTE 2 ON S02**
- ROCK REVETMENT WOULD BE EXPECTED TO BE COVERED IN SAND AND VEGETATION FOR MOST OF THE TIME

30.10.17 D R.Y. **ISSUED FOR REVIEW** 23.10.17 C BY CHKD DESCRIPTION DATE REV COASTAL ENGINEERING DESIGN: STRUCTURAL ENGINEERING DESIGN: **COASTAL PROTECTION WORKS** PROJECT NO. **DESIGN** R.Y. DRAWN P.P. HORTON COASTAL ENGINEERING PTY LTD **James Taylor & Associates** 29, 31 & 33 PACIFIC STREET AND 23A, 23B & 25C 5968 18 Reynolds Cres Beacon Hill NSW 2100 Civil & Structural Consulting Engineers CHKD. R.Y. OCEAN VIEW DRIVE, WAMBERAL, NSW TEL: +61 (0)407 012 538 SUITE 301, 115 MILITARY ROAD NEUTRAL BAY NSW 2090 peter@hortoncoastal.com.au TEL: 02 99691999 DRAWING NO. REV APPRD. P.H. www.hortoncoastal.com.au EMAIL: mail@larnestaylorassociates.com.au **EAST ELEVATION S12** G COPYRIGHT: THIS DESIGN AND PLANS ARE NOT TO BE USED OR REPRODUCED WHOLLY OR IN PART WITHOUT DATE MAY 2018 SCALE1:400 WRITTEN PERMISSION FROM HORTON COASTAL ENGINEERING AND JAMES TAYLOR & ASSOCIATES

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