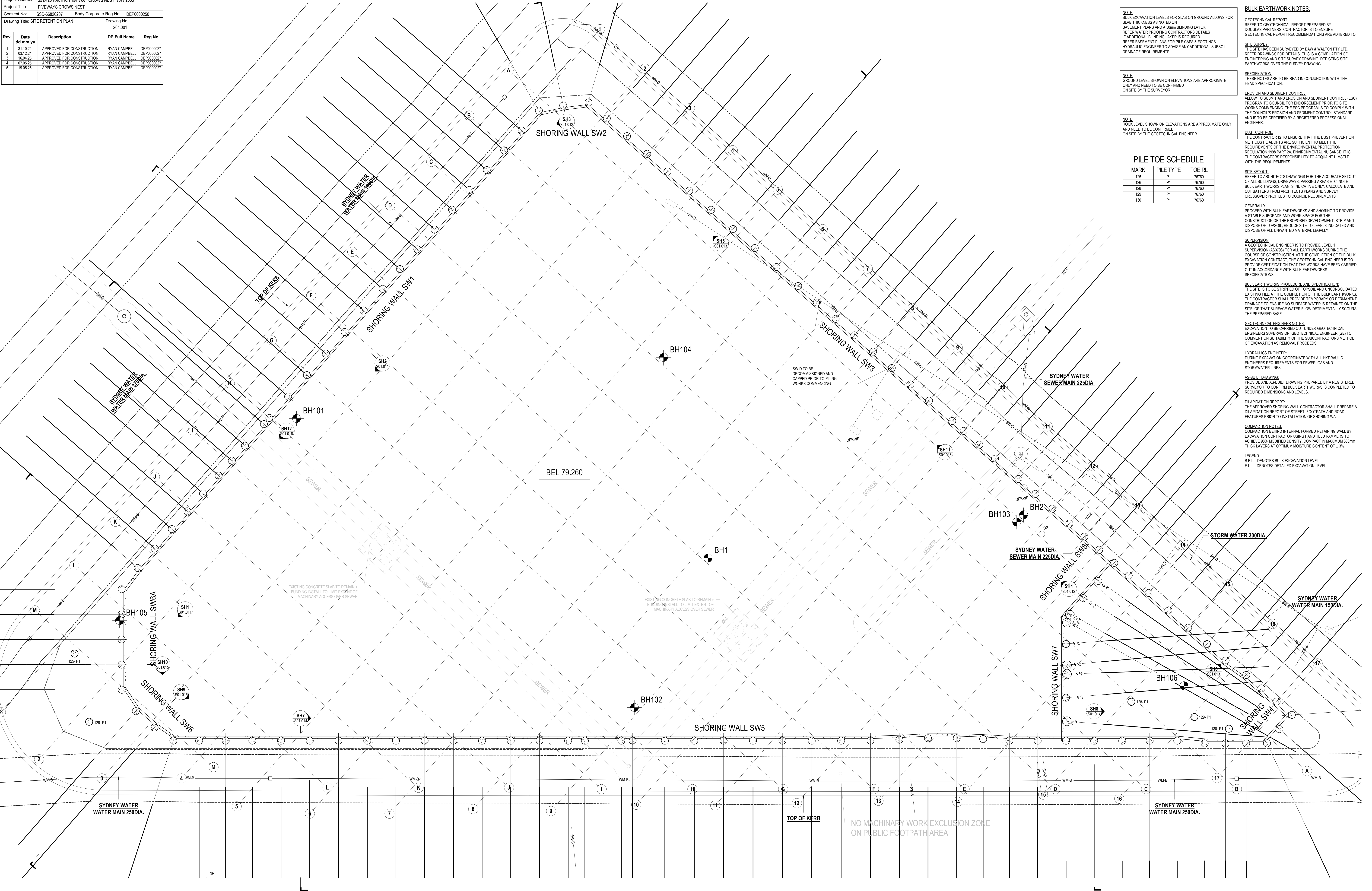


Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: SITE RETENTION PLAN			Drawing No: S01.001	
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	31.10.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	16.04.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
4	07.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
5	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



NOTE:
BULK EXCAVATION LEVELS FOR SLAB ON GROUND ALLOWS FOR
SLAB THICKNESS AS NOTED ON
BASEMENT PLANS AND A 50mm BUNDLING LAYER.
REFER WATER PROOFING CONTRACTORS DETAILS
IF ADDITIONAL BUNDLING LAYER IS REQUIRED.
REFER BASEMENT PLANS FOR PILE CAPS & FOOTINGS.
HYDRAULIC ENGINEER TO ADVISE ANY ADDITIONAL SUBSOIL
DRAINAGE REQUIREMENTS.

NOTE:
GROUND LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE
ONLY AND NEED TO BE CONFIRMED
ON SITE BY THE SURVEYOR

NOTE:
ROCK LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY
AND NEED TO BE CONFIRMED
ON SITE BY THE GEOTECHNICAL ENGINEER

PILE TOE SCHEDULE		
MARK	PILE TYPE	TOE RL
125	P1	76760
126	P1	76760
128	P1	76760
129	P1	76760
130	P1	76760

BULK EARTHWORK NOTES:

GEOTECHNICAL REPORT:
REFER TO GEOTECHNICAL REPORT PREPARED BY
DOUGLAS PARTNERS. CONTRACTOR IS TO ENSURE
GEOTECHNICAL REPORT RECOMMENDATIONS ARE ADHERED TO.

SITE SURVEY:
THE SITE HAS BEEN SURVEYED BY DAW & WALTON PTY LTD.
REFER DRAWINGS FOR DETAILS. THIS IS A COMPILATION OF
ENGINEERING AND SITE SURVEY DRAWING, DEPICTING SITE
EARTHWORKS OVER THE SURVEY DRAWING.

SPECIFICATION:
THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE
HEAD SPECIFICATION.

EROSION AND SEDIMENT CONTROL:
ALLOW TO SUBMIT EROSION AND SEDIMENT CONTROL (ESC)
PROGRAM TO COUNCIL FOR ENDORSEMENT PRIOR TO SITE
WORKS COMMENCING. THE ESC PROGRAM IS TO COMPLY WITH
THE COUNCIL'S EROSION AND SEDIMENT CONTROL STANDARD
AND IS TO BE CERTIFIED BY A REGISTERED PROFESSIONAL
ENGINEER.

DUST CONTROL:
THE CONTRACTOR IS TO ENSURE THAT THE DUST PREVENTION
METHODS HE ADOPTS ARE SUFFICIENT TO MEET THE
REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION
REGULATION 1998 PART 2A. ENVIRONMENTAL NUISANCE. IT IS
THE CONTRACTORS RESPONSIBILITY TO ACCUANT HIMSELF
WITH THE REQUIREMENTS.

SITE SETOUT:
REFER TO ARCHITECTS DRAWINGS FOR THE ACCURATE SETOUT
OF ALL BUILDINGS, DRIVEWAYS, PARKING AREAS ETC. NOTE
BULK EARTHWORKS PLAN IS INDICATIVE ONLY. CALCULATE AND
CUT BATTERS FROM ARCHITECTS PLANS AND SURVEY.
CROSSOVER PROFILES TO COUNCIL REQUIREMENTS.

GENERALLY:
PROCEED WITH BULK EARTHWORKS AND SHORING TO PROVIDE
A STABLE SUBGRADE AND WORK SPACE FOR THE
CONSTRUCTION OF THE PROPOSED DEVELOPMENT. STRIP AND
DISPOSE OF TOPSOIL. REDUCE SITE TO LEVELS INDICATED AND
DISPOSE OF ALL UNWANTED MATERIAL LEGALLY.

SUPERVISION:
A GEOTECHNICAL ENGINEER IS TO PROVIDE LEVEL 1
SUPERVISION (AS3786) FOR ALL EARTHWORKS DURING THE
COURSE OF CONSTRUCTION. AT THE COMPLETION OF THE BULK
EXCAVATION CONTRACT, THE GEOTECHNICAL ENGINEER IS TO
PROVIDE CERTIFICATION THAT THE WORKS HAVE BEEN CARRIED
OUT IN ACCORDANCE WITH BULK EARTHWORKS
SPECIFICATIONS.

BULK EARTHWORKS PROCEDURE AND SPECIFICATION:
THE SITE IS TO BE STRIPPED OF TOPSOIL AND UNCONSOLIDATED
EXISTING FILL. AT THE COMPLETION OF THE BULK EARTHWORKS,
THE CONTRACTOR SHALL PROVIDE TEMPORARY OR PERMANENT
DRAINAGE TO ENSURE NO SURFACE WATER IS RETAINED ON THE
SITE, OR THAT SURFACE WATER FLOW DETRIMENTALLY SCOURS
THE PREPARED BASE.

GEOTECHNICAL ENGINEER NOTES:
EXCAVATION TO BE CARRIED OUT UNDER GEOTECHNICAL
ENGINEERS SUPERVISION. GEOTECHNICAL ENGINEER (GE) TO
COMMENT ON SUITABILITY OF THE SUBCONTRACTORS METHOD
OF EXCAVATION AS REMOVAL PROCEEDS.

HYDRAULICS ENGINEER:
DURING EXCAVATION COORDINATE WITH ALL HYDRAULIC
ENGINEERS REQUIREMENTS FOR SEWER, GAS AND
STORMWATER LINES.

AS-BUILT DRAWING:
PROVIDE AND AS-BUILT DRAWING PREPARED BY A REGISTERED
SURVEYOR TO CONFIRM BULK EARTHWORKS IS COMPLETED TO
REQUIRED DIMENSIONS AND LEVELS.

DILAPIDATION REPORT:
THE APPROVED SHORING WALL CONTRACTOR SHALL PREPARE A
DILAPIDATION REPORT OF STREET, FOOTPATH AND ROAD
FEATURES PRIOR TO INSTALLATION OF SHORING WALL.

COMPACTION NOTES:
COMPACTION BEHIND INTERNAL FORMED RETAINING WALL BY
EXCAVATION CONTRACTOR USING HAND HELD RAMMERS TO
ACHIEVE 98% MODIFIED DENSITY. COMPACT IN MAXIMUM 300mm
THICK LAYERS AT OPTIMUM MOISTURE CONTENT OF ± 2%.

LEGEND:
S.E.L. - DENOTES BULK EXCAVATION LEVEL
E.L. - DENOTES DETAILED EXCAVATION LEVEL

SITE RETENTION PLAN
SCALE: 1:100

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO
ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

05	19.05.25	ISSUED FOR CONSTRUCTION	PKP
04	07.05.25	ISSUED FOR CONSTRUCTION	PKP
03	09.04.25	ISSUED FOR CONSTRUCTION	PD
02	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
REV	DATE	REVISION DESCRIPTION	BY

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Field Office
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Sydney NSW 1500

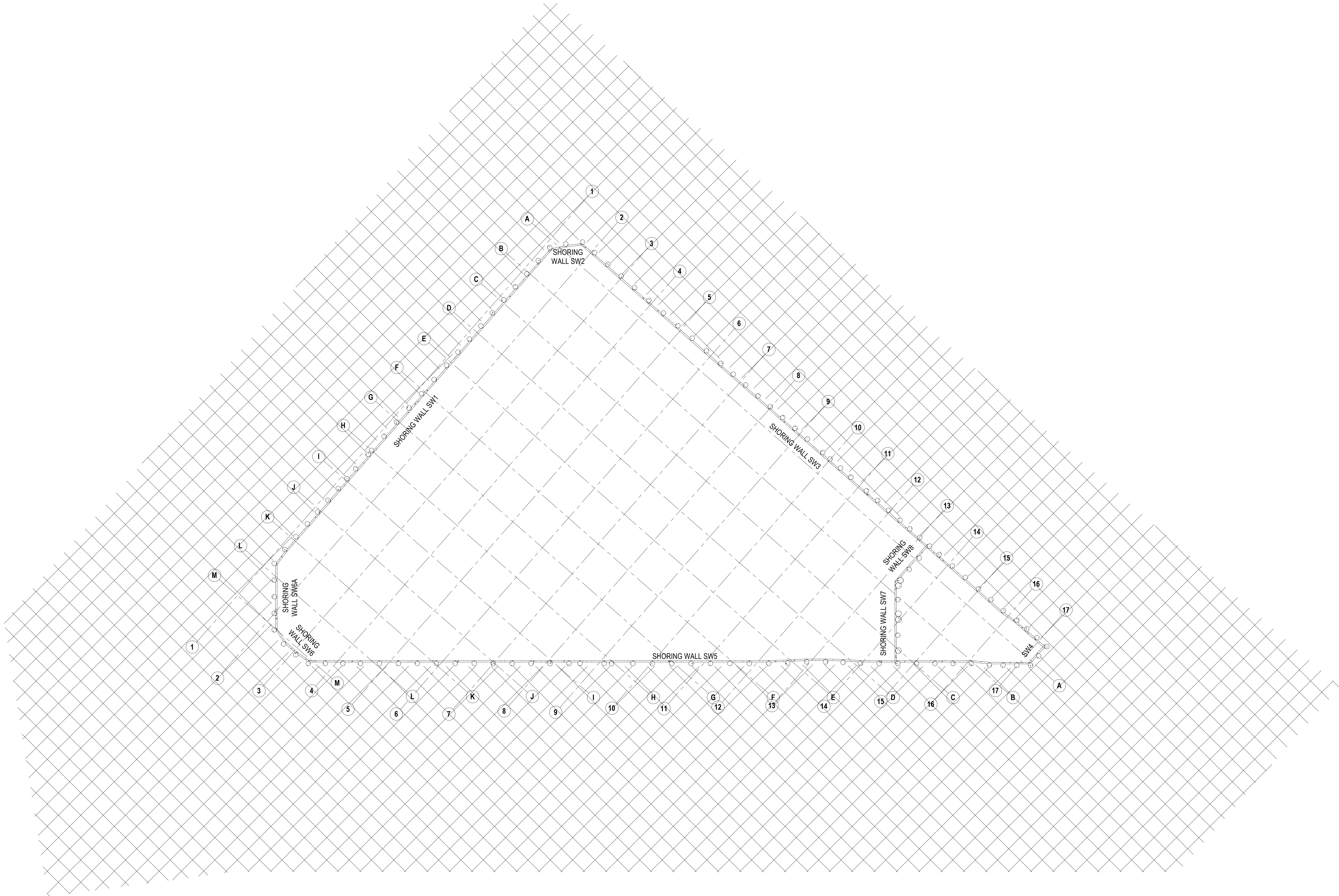
FIVEWAYS CROWS NEST
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

SITE RETENTION PLAN

JOB NUMBER:	23012	ORG NUMBER:	S01.001
DESIGNED BY:	RC	DATE:	June 2024
DRAWN BY:	SF	SCALE:	1:100 @ A0
SIZE:	A0	REV:	05

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Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: SHORING SURCHARGE LOADING PLAN			Drawing No: S01.002	
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	31.10.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



SHORING SURCHARGE LOADING PLAN
SCALE 1 : 200

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

03	19.05.25	ISSUED FOR CONSTRUCTION	PKP
02	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
PK4	13.03.24	ISSUED FOR PRELIMINARY INFORMATION	PKP
P3	05.09.23	ISSUED FOR PRELIMINARY INFORMATION	RCI
REV	REV	REVISION DESCRIPTION	BY

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Field Address
PO Box 77
NARRAGAN, PERTH, WEST 6150

PROJECT: FIVEWAYS CROWS NEST
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

JOB NUMBER: 23012

DRG NUMBER: S01.002

DESIGNED BY: RC

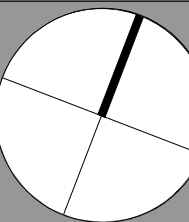
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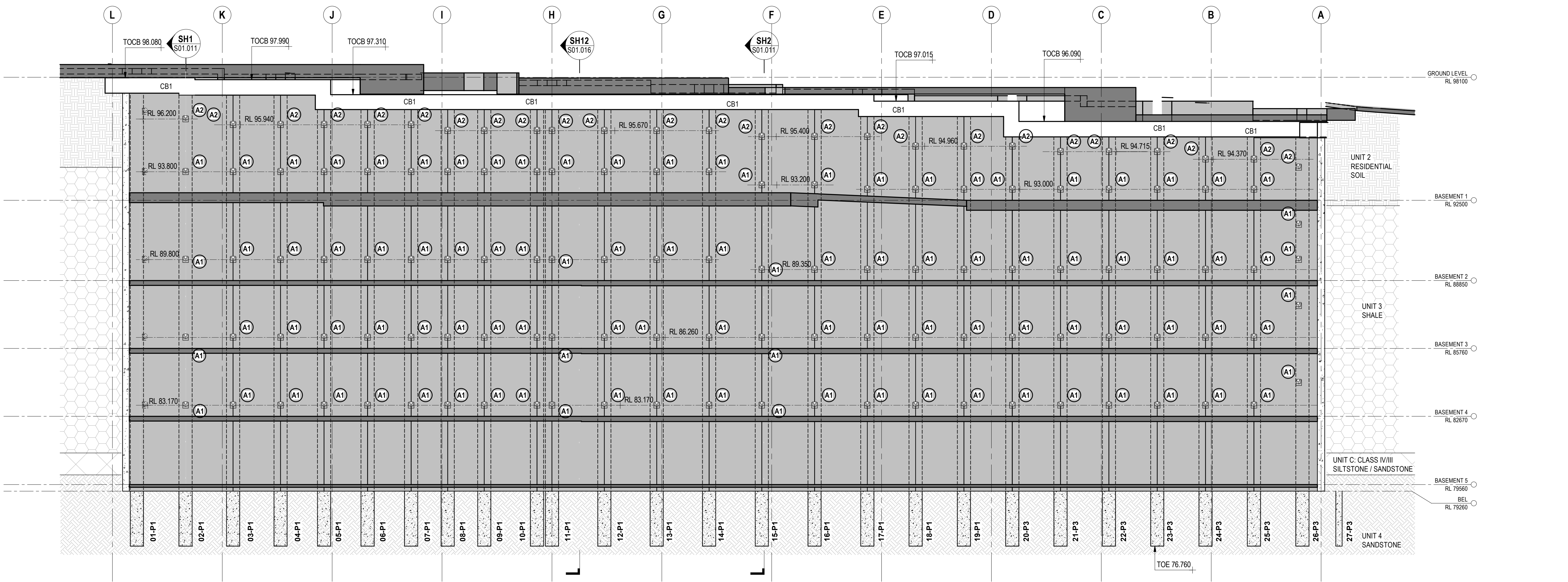
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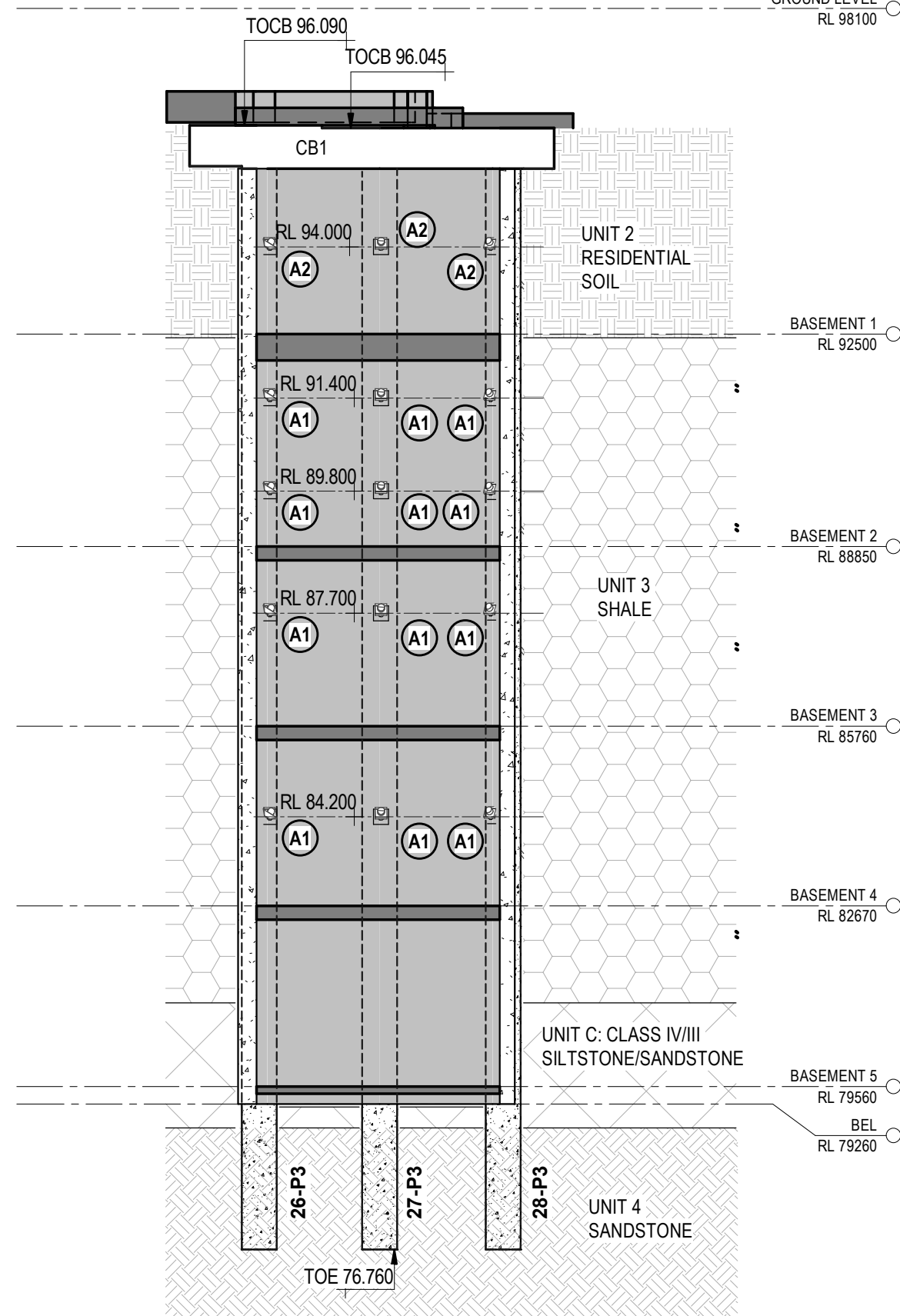


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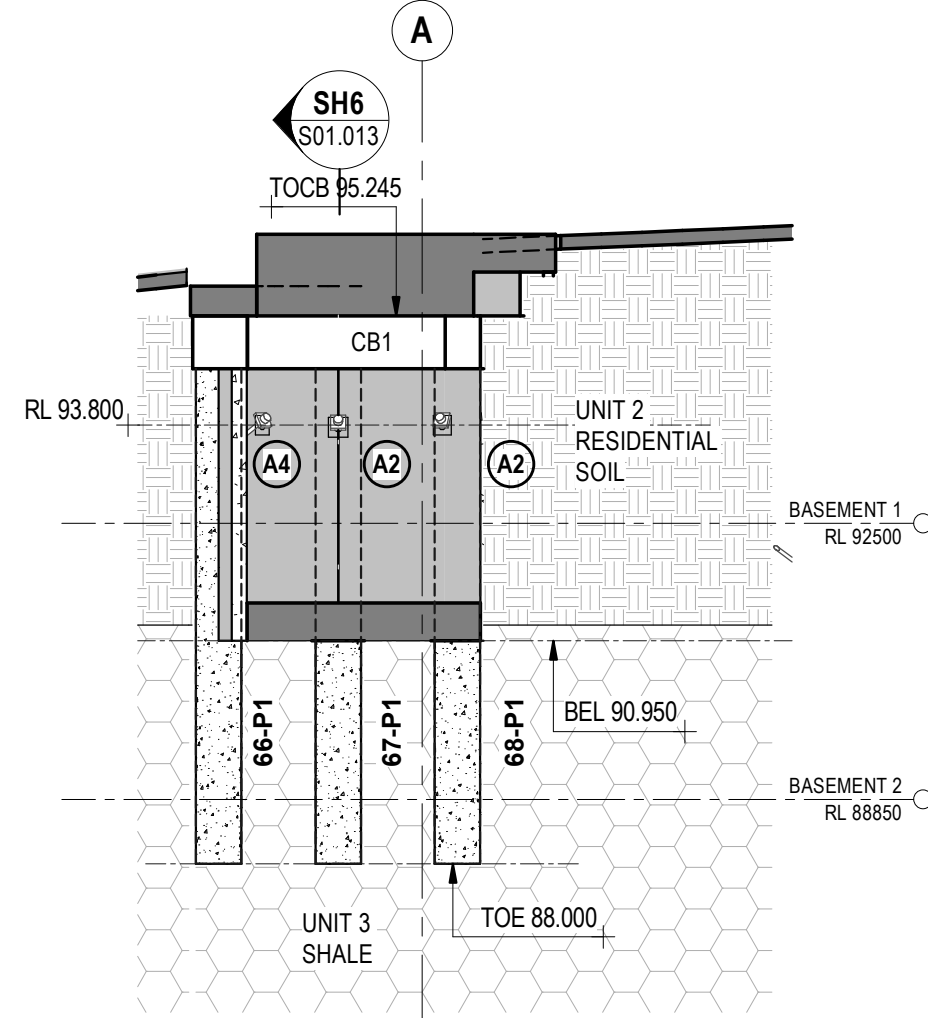
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Project Title:		FIVEWAYS CROWS NEST		
Consent No:		SSD-66826207	Body Corporate Reg No:	DEP0000250
Drawing Title:		SHORING WALL ELEVATIONS - SHEET 1		Drawing No:
				S01.005
Rev	Date dd/mm/yy	Description	DP Full Name	Reg No
1	31.10.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	09.04.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
4	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



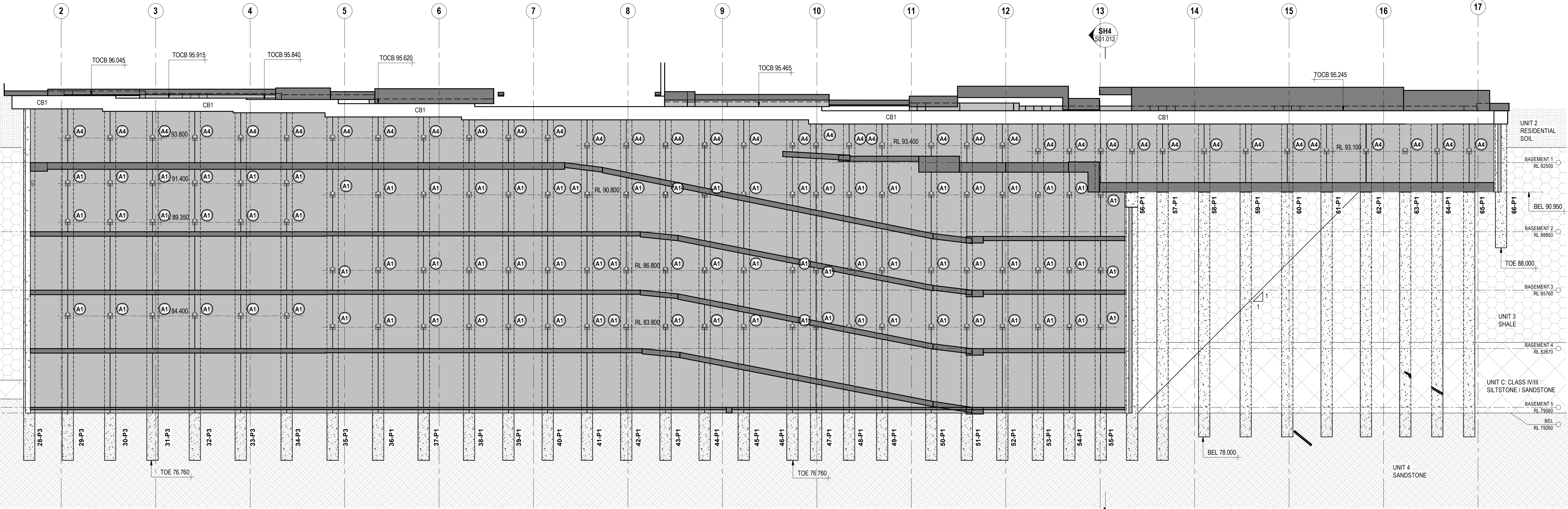
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SCALE 1:100



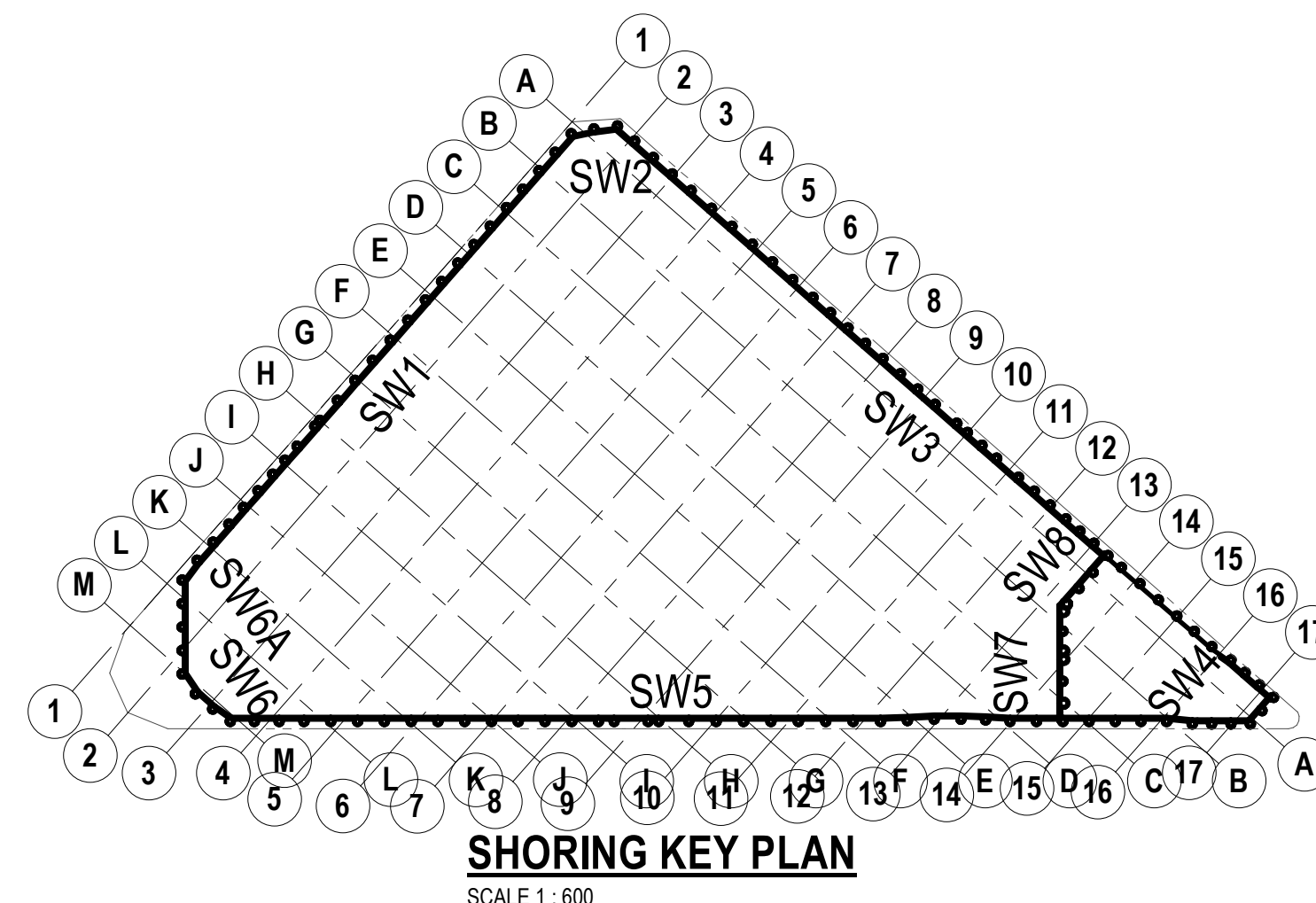
SHORING WALL SW2
SCALE 1:100



SHORING WALL SW4
SCALE 1:100



SHORING WALL SW3
SCALE 1:100



SHORING KEY PLAN
SCALE 1:100

ANCHOR SCHEDULE				
MARK	SWL	LO	INCLINATION	MIN. BOND LENGTH
A1	51T	34T	30°	15m
A2	76T	56T	30°	22m
A4	64T	42T	30°	11m

SHORING PILE SCHEDULE						
MARK	DIA.	VERT. BARS	TIES	CONC GRADE	COVER (mm)	
P1	600	8N28	N16-175	50 MPa	60	60
P2	600	8N28	N16-150	50 MPa	60	60
P3	600	6N32	N16-125	50 MPa	60	60
P4	750	8N28	N16-150	50 MPa	60	60

'SWL' DENOTES SAFE WORKING LOAD
'LO' DENOTES LOCK OFF LOAD

SHORING ANCHOR NOTES:
BOND LENGTH NOMINATED IN SHORING ANCHOR SCHEDULE FOR COORDINATION PURPOSES ONLY. SHORING CONTRACTOR IS RESPONSIBLE FOR FINAL ANCHOR DESIGN. BOND LENGTHS MAY NEED TO BE VARIED DEPENDING ON SITE CONDITIONS ENCOUNTERED.
BOND LENGTH BASED ON A 130mm HOLE WITH ALLOWABLE BOND STRESS OF 300 MPa.

HATCH DENOTES EXTENT OF 200 THICK SHOTCRETE BETWEEN SHORING PILES

HATCH DENOTES EXPOSED ROCK FACE TO BE RETAINED WITH SHOTCRETE AND ROCKBOLTS TO GEOTECHNICAL ENGINEER'S DETAILS

GEOTECHNICAL ENGINEER TO INSPECT EXPOSED SHALE FACE REGULARLY DURING EXCAVATION AND NOMINATE APPROPRIATE ROCK BOLTS AND SHOTCRETE AS REQUIRED TO ENSURE STABILITY AT ALL TIMES.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING S01-001 - SITE RETENTION PLAN FOR SHORING PILE SETOUT DIMENSIONS.

NOTE:
GROUND LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY AND NEED TO BE CONFIRMED ON SITE BY THE SURVEYOR

NOTE:
ROCK LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY AND NEED TO BE CONFIRMED ON SITE BY THE GEOTECHNICAL ENGINEER

NOTE:
MAXIMUM 500mm EXCAVATION BELOW ANCHOR HEIGHT PERMITTED PRIOR TO INSTALLING ANCHOR

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

04	19.05.25	ISSUED FOR CONSTRUCTION	PKP
03	09.04.25	ISSUED FOR CONSTRUCTION	PD
02	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
P08	24.09.24	ISSUED FOR PRELIMINARY INFORMATION	SF
REV	REV	REVISION DESCRIPTION	BY

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Field Address
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MARRICKLE NSW 2113

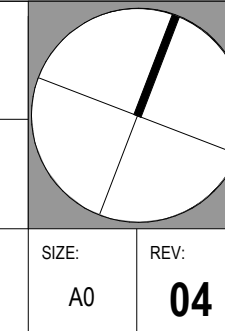
PROJECT: FIVEWAYS CROWS NEST
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

JOB NUMBER: 23012
DRC NUMBER: S01.005

DESIGNED BY: RC
DATE: June 2024

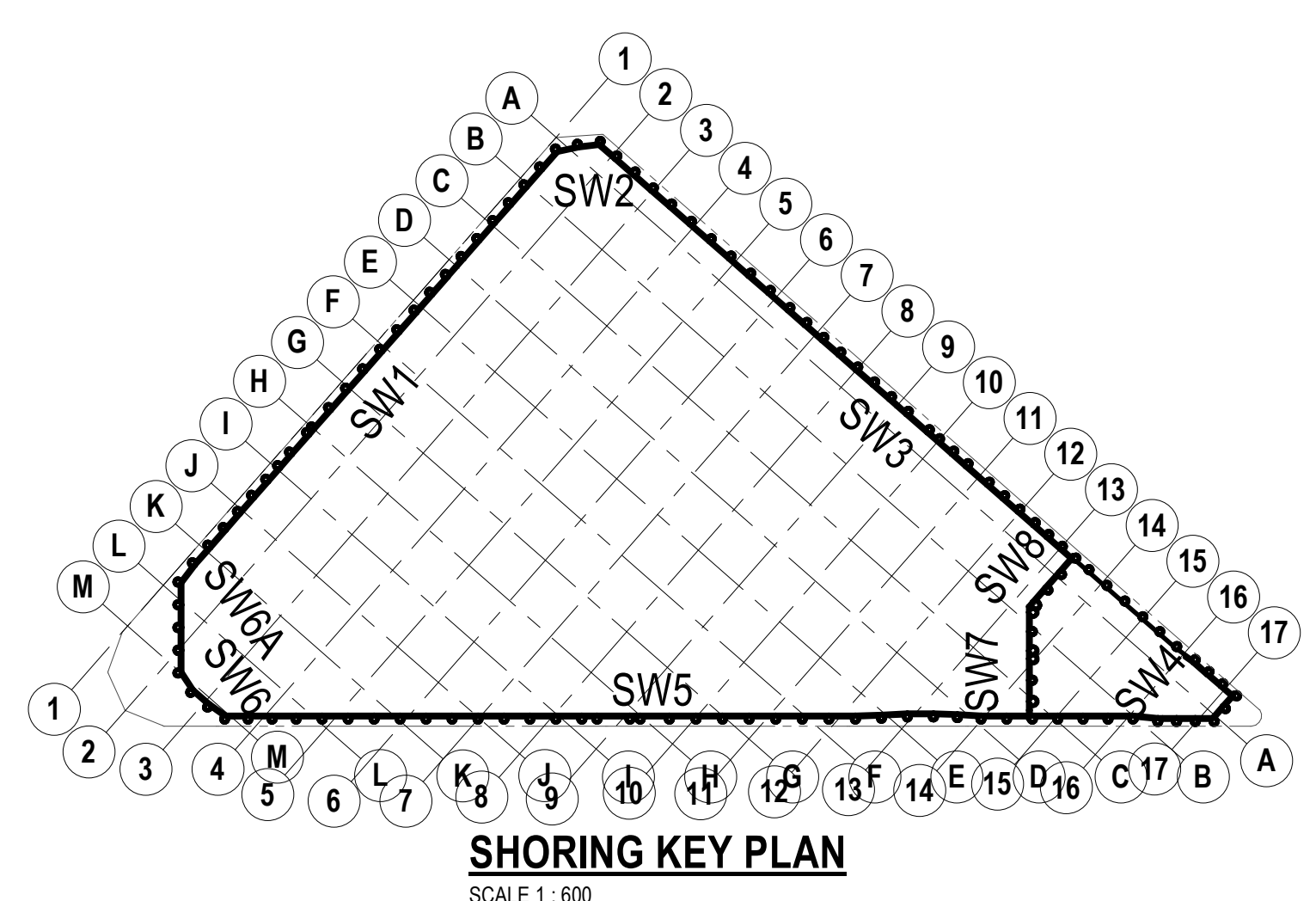
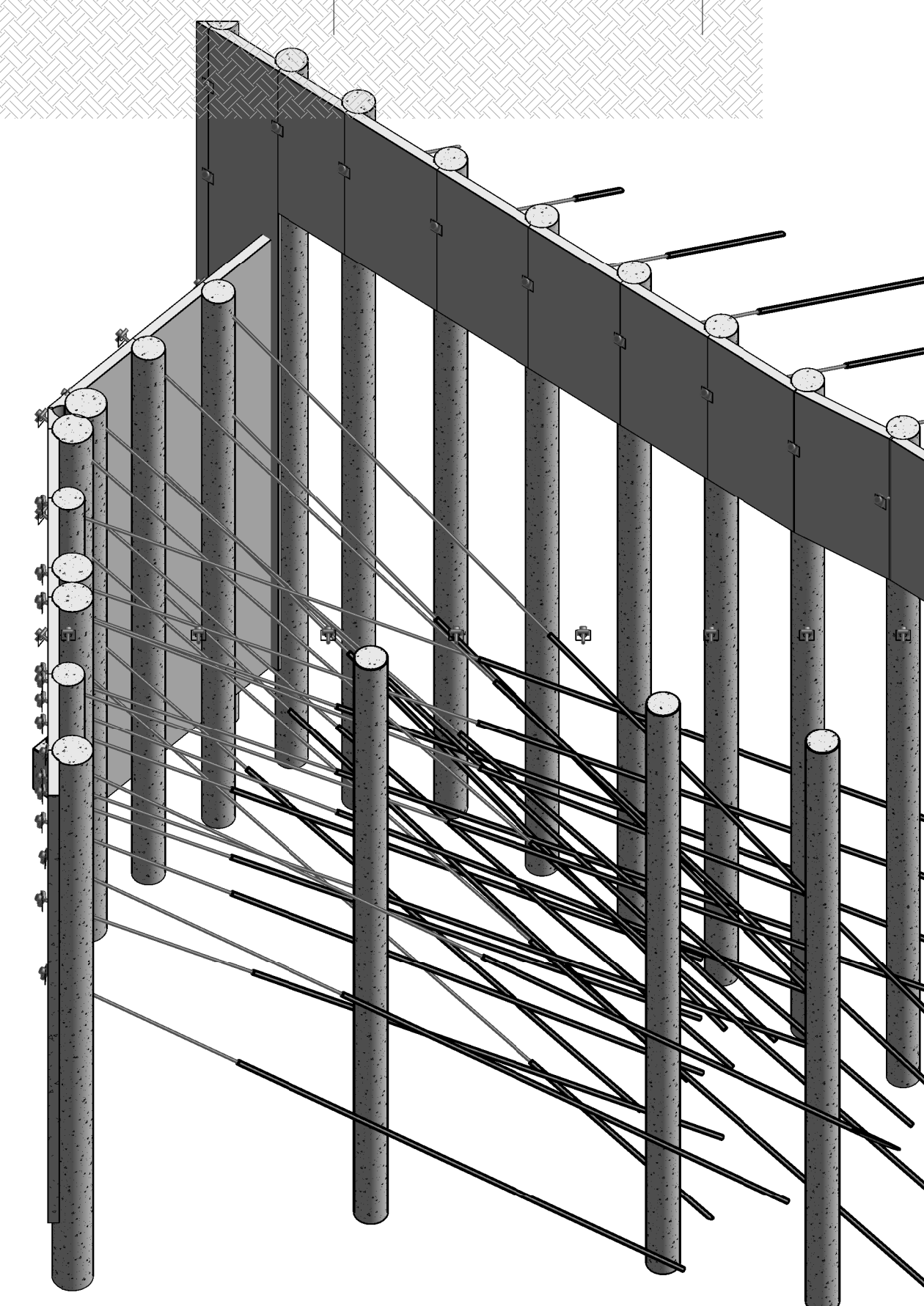
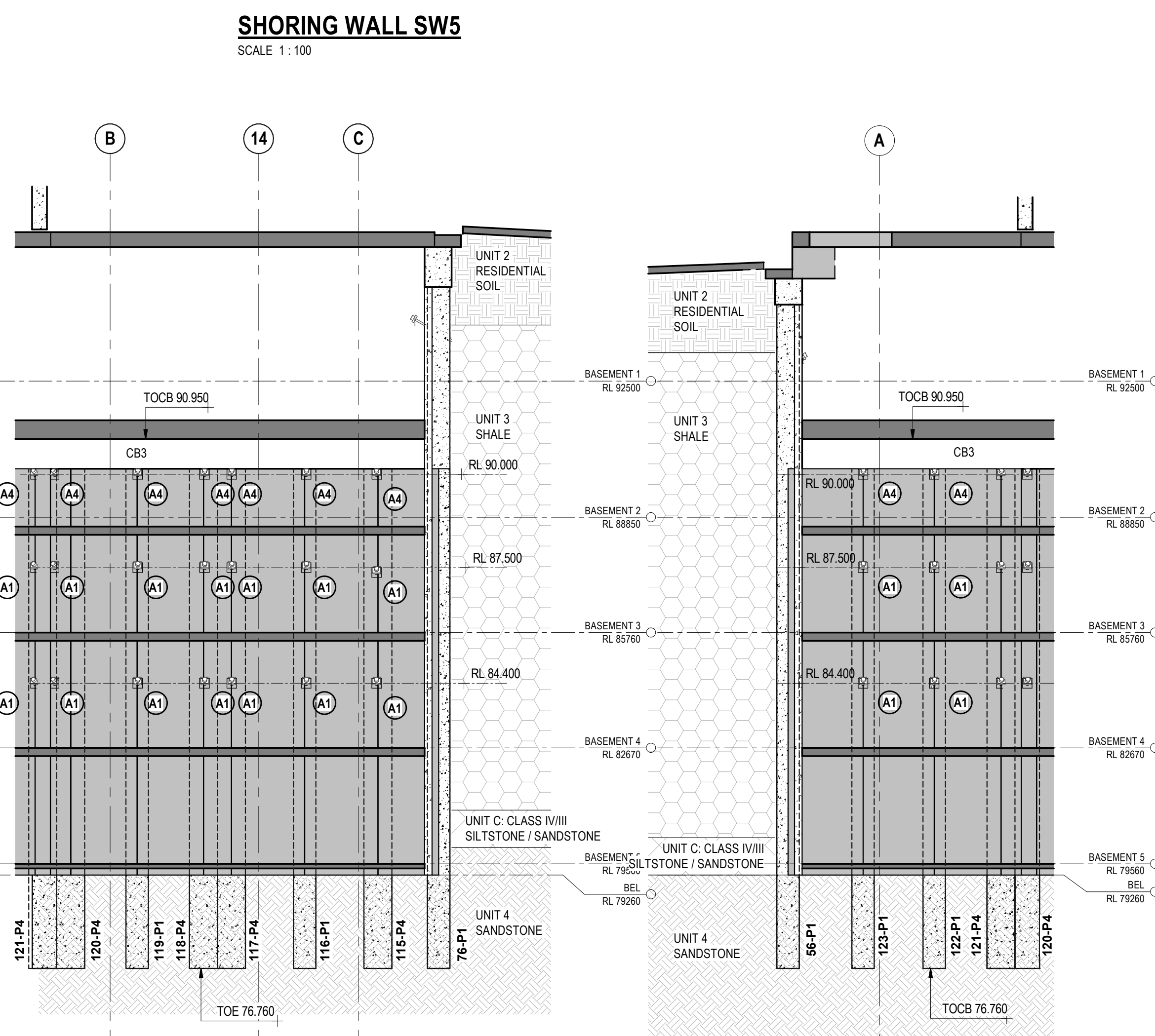
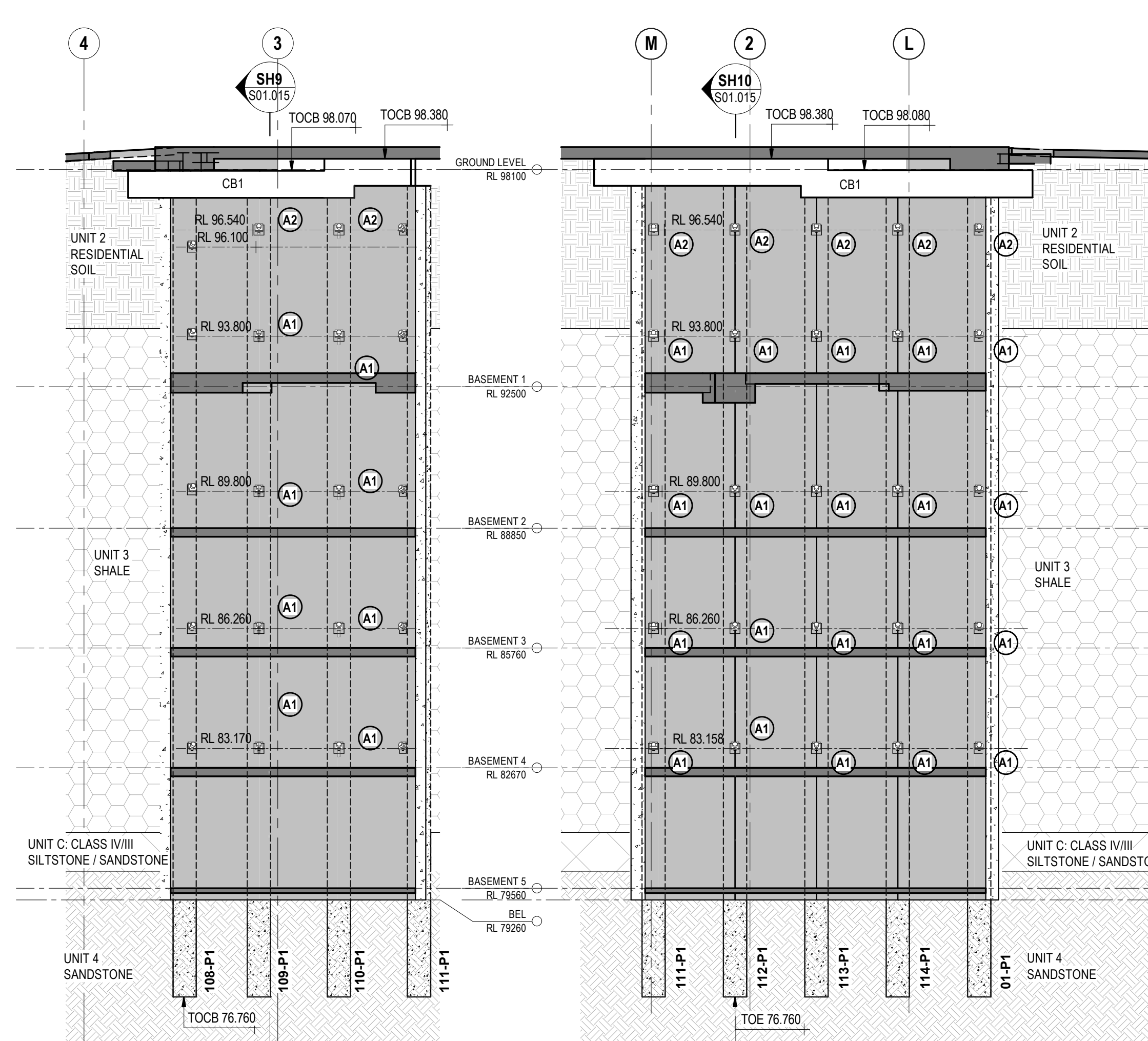
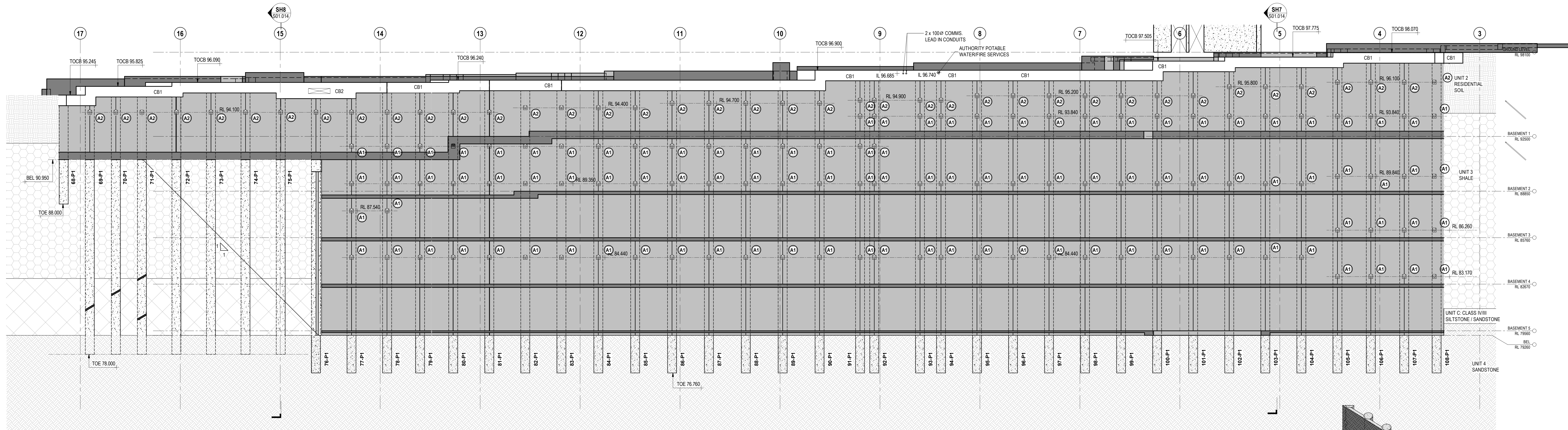
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TITLE: SHORING WALL ELEVATIONS - SHEET 1



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Regulated Design Record				
Project Address:		391423 PACIFIC HIGHWAY CROWS NEST NSW 2065		
Project Title:		FIVEWAYS CROWS NEST		
Consent No:		SSD-66626207	Body Corporate Reg No:	DEP0000250
Drawing Title:		SHORING WALL ELEVATIONS - SHEET 2		Drawing No: S01.006
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	15.03.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	09.04.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
4	18.06.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
5	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



SHORING PILE SCHEDULE					
MARK	DIA.	VERT. BARS	TIES	CONC GRADE	COVER (mm)
P1	600	8N28	N16-175	50 MPa	60
P2	600	8N32	N16-150	50 MPa	60
P3	600	6N32	N16-125	50 MPa	60
P4	750	8N28	N16-150	50 MPa	60

ANCHOR SCHEDULE				
MARK	SWL	LO	INCLINATION	MIN. BOND LENGTH
A1	51T	34T	30°	15m
A2	76T	50T	30°	20m
A4	64T	42T	30°	11m

"SWL" DENOTES SAFE WORKING LOAD
"LO" DENOTES LOCK OFF LOAD

SHORING ANCHOR NOTES:
BOND LENGTH NOMINATED IN SHORING ANCHOR SCHEDULE FOR COORDINATION PURPOSES ONLY. SHORING CONTRACTOR IS RESPONSIBLE FOR FINAL ANCHOR DESIGN.
BOND LENGTHS MAY NEED TO BE VARIED DEPENDING ON SITE CONDITIONS ENCOUNTERED.
BOND LENGTH BASED ON A 130mm HOLE WITH ALLOWABLE BOND STRESS OF 300 kPa.

HATCH DENOTES EXTENT OF
200 THICK SHOTCRETE
BETWEEN SHORING PILES

HATCH DENOTES EXPOSED ROCK FACE
TO BE RETAINED WITH SHOTCRETE
AND ROCKBOLTS TO GEOTECHNICAL

GEOTECHNICAL ENGINEER TO INSPECT EXPOSED SHALE FACE REGULARLY DURING EXCAVATION AND NOMINATE APPROPRIATE ROCK BOLTS AND SHOTCRETE AS REQUIRED TO ENSURE STABILITY AT ALL TIMES.

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH DRAWING
S01-001 - SITE RETENTION PLAN FOR SHORING PILE SETOUT DIMENSIONS.

NOTE:
GROUND LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY
AND NEED TO BE CONFIRMED ON SITE BY THE SURVEYOR

NOTE:
ROCK LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY
AND NEED TO BE CONFIRMED ON SITE BY THE GEOTECHNICAL
ENGINEER

NOTE:
MAXIMUM 500mm EXCAVATION BELOW ANCHOR HEIGHT PERMITTED
PRIOR TO INSTALLING ANCHOR

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS, VERIFY DIMENSIONS ON SITE.

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04	16.04.25	ISSUED FOR CONSTRUCTION	PKP
03	09.04.25	ISSUED FOR CONSTRUCTION	PD
02	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
REV	REV	REVISION DESCRIPTION	BY

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PROJECT: **FIVEWAYS CROWS NEST**

391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

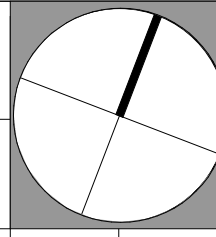
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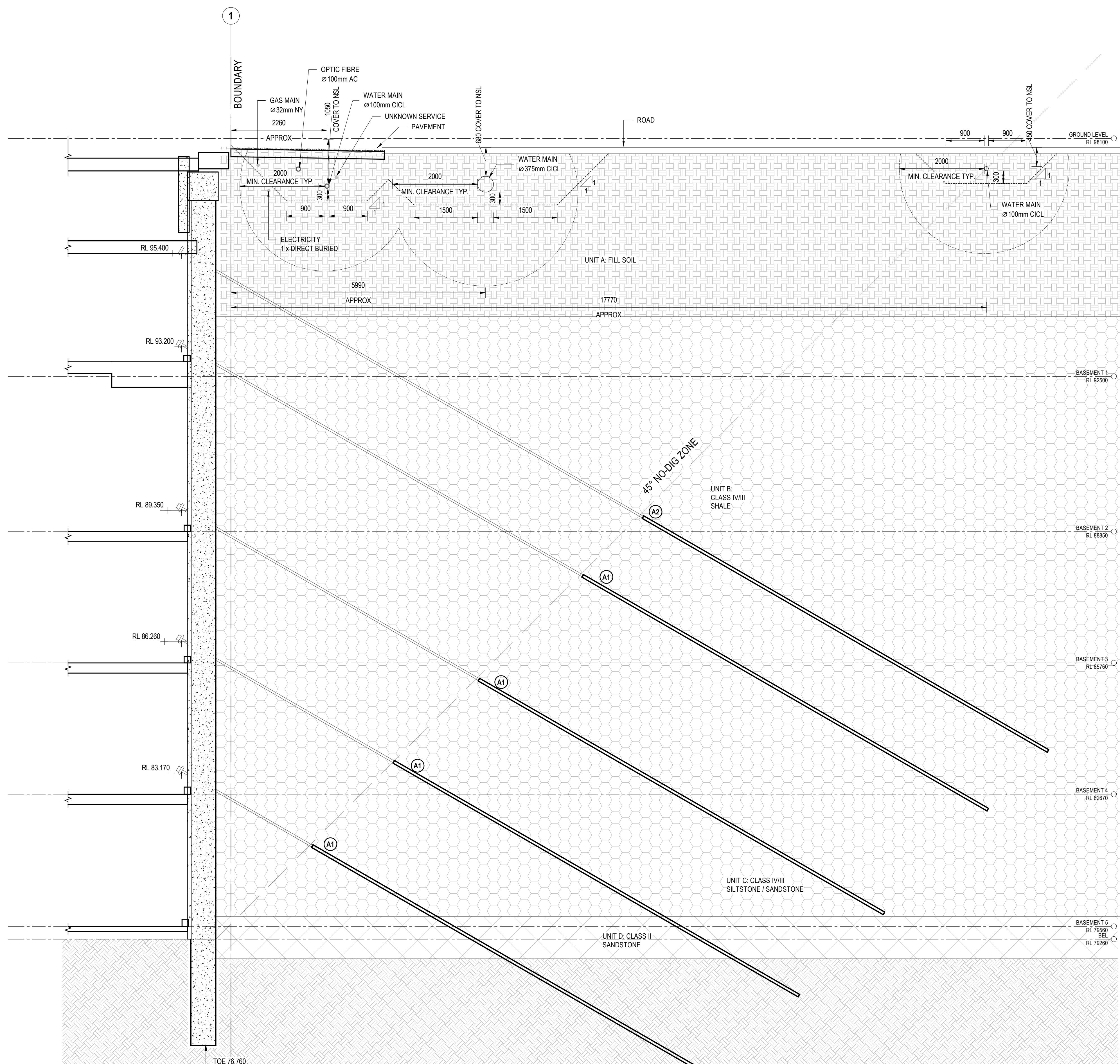
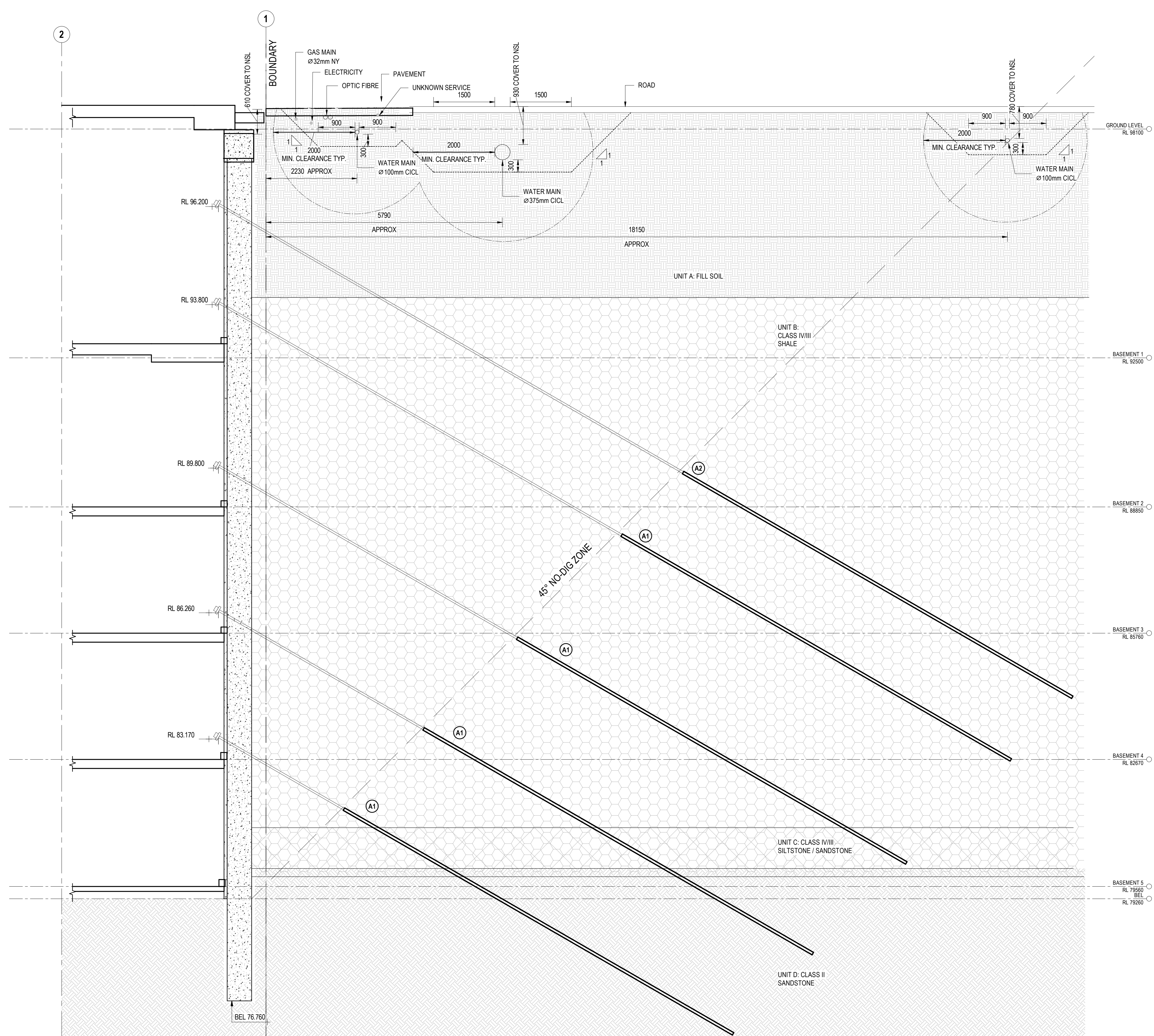
JOB NUMBER:
23012

23012

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RC
DRAWN BY:



[illegible]

NOTE:
GROUND LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY
AND NEED TO BE CONFIRMED ON SITE BY THE SURVEYOR

NOTE:
ROCK LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY
AND NEED TO BE CONFIRMED ON SITE BY THE GEOTECHNICAL
ENGINEER

NOTE:
BUILDER TO PROVIDE TEMPORARY SHORING WHERE CAPPING BEAM
IS MORE THAN 500mm BELOW N.G.L.

NOTES:
REFER TO DRAWING S01-001 FOR SHORING AND BULK EX PLAN

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

Q3	19.03.25	ISSUED FOR CONSTRUCTION	PKP
Q2	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
P08	18.10.24	ISSUED FOR PRELIMINARY INFORMATION	SF
P07	27.09.24	ISSUED FOR PRELIMINARY INFORMATION	SF
REV	REV	REVISION DESCRIPTION	BY

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PROJECT: **FIVEWAYS CROWS NEST**
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

TITLE:

SHORING WALL SECTIONS SHEET 1

JOB NUMBER:
23012

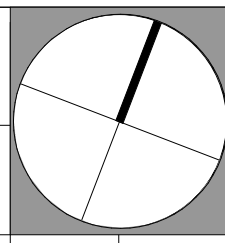
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DRAWN BY: SE

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S01.011

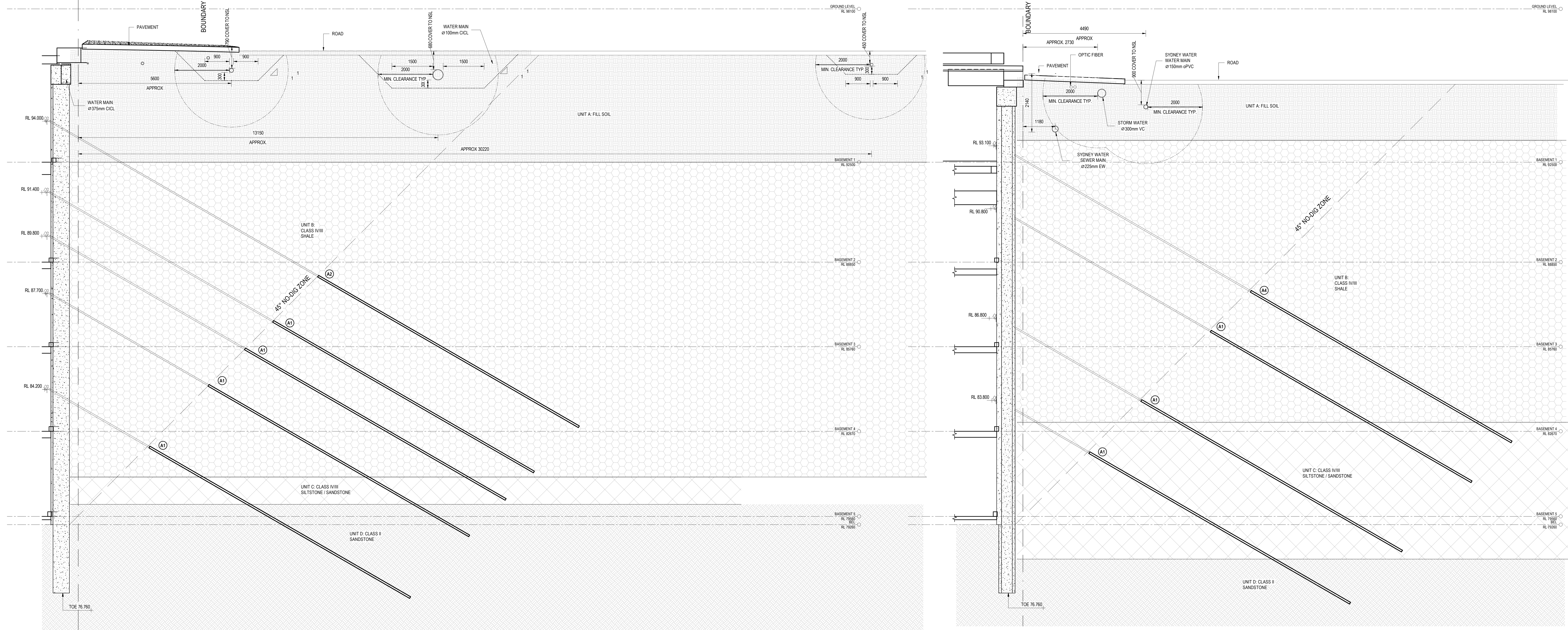
DATE: June 2024

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9/6/2025 3:36:46 PM

Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: SHORING WALL SECTIONS - SHEET 2			Drawing No: S01.012	
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	31.10.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



NOTE:
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AND NEED TO BE CONFIRMED ON SITE BY THE SURVEYOR

NOTE:
ROCK LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY
AND NEED TO BE CONFIRMED ON SITE BY THE GEOTECHNICAL
ENGINEER

NOTE:
BUILDER TO PROVIDE TEMPORARY SHORING WHERE CAPPING BEAM
IS MORE THAN 500mm BELOW N.G.L.

NOTES:
REFER TO DRAWING S01-001 FOR SHORING AND BULK EX PLAN

SECTION SH3
Scale: 1:50

SECTION SH4
Scale: 1:50

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO
ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

03	19.05.25	ISSUED FOR CONSTRUCTION	PKP
02	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
P08	18.10.24	ISSUED FOR PRELIMINARY INFORMATION	SF
P07	27.09.24	ISSUED FOR PRELIMINARY INFORMATION	SF
REV	REV	REVISION DESCRIPTION	BY

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Postal Address:
PO Box 77
NARENDRA PARK NSW 2113

PROJECT: FIVEWAYS CROWS NEST
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

TITLE: SHORING WALL SECTIONS - SHEET 2

JOB NUMBER: 23012

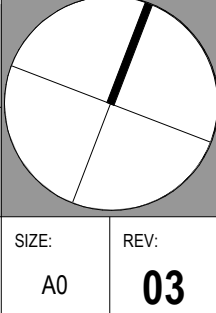
DESIGNED BY: RC

DRAWN BY: SF

ORIG NUMBER: S01.012

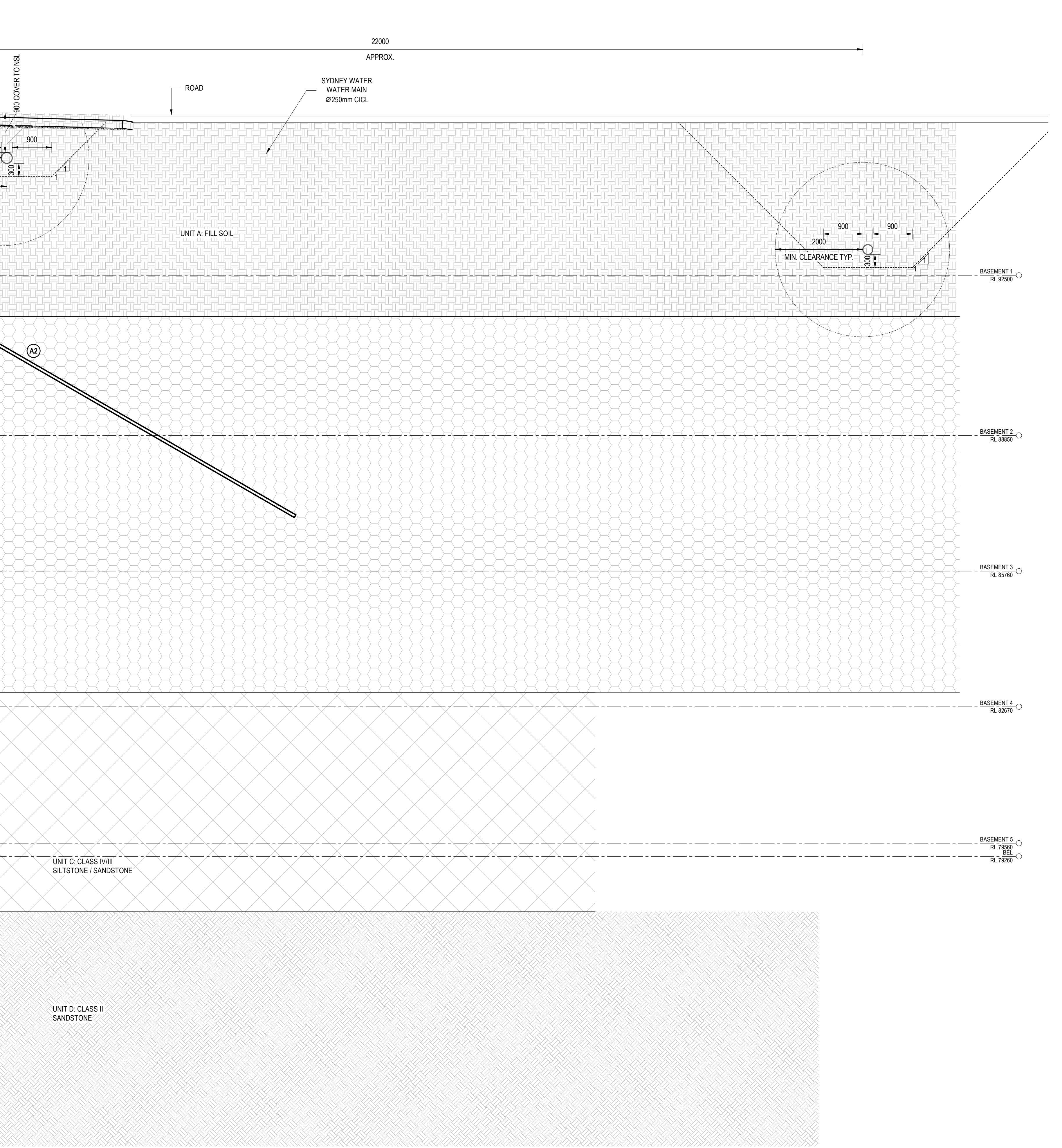
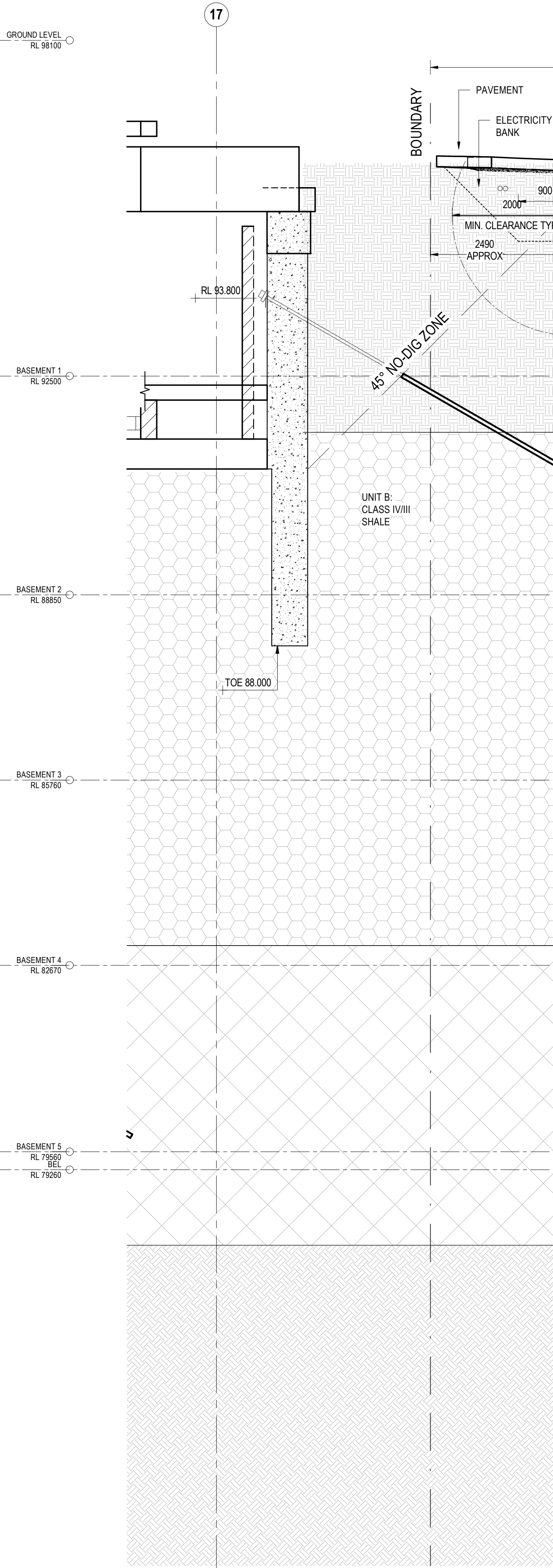
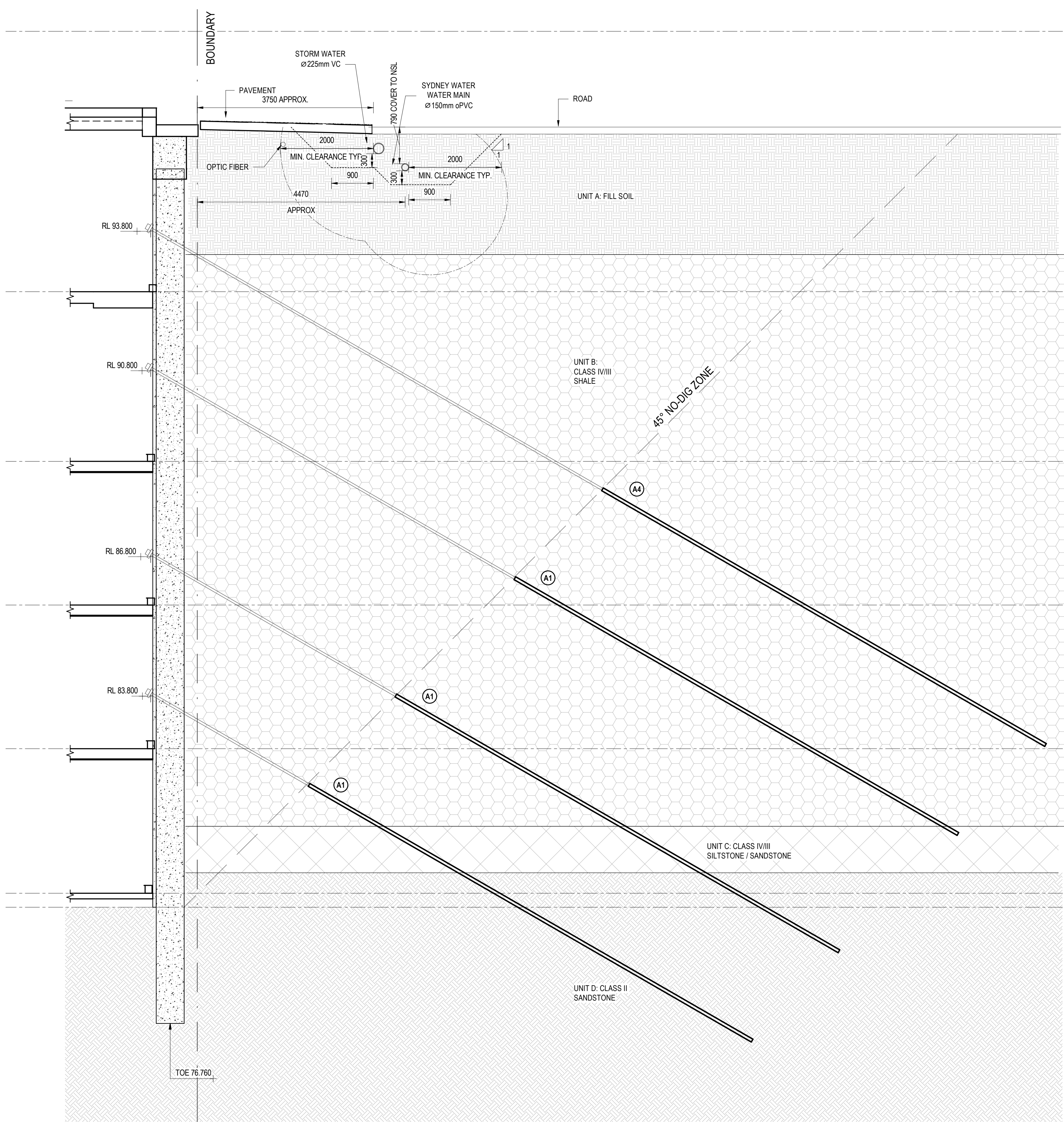
DATE: June 2024

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DATE: 19/05/2025 3:36:48 PM

Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: SHORING WALL SECTIONS - SHEET 3			Drawing No: S01.013	
Rev	Date dd mm yy	Description	DP Full Name	Reg No
1	31.10.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



NOTE:
GROUND LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY
AND NEED TO BE CONFIRMED ON SITE BY THE SURVEYOR

NOTE:
ROCK LEVEL SHOWN ON ELEVATIONS ARE APPROXIMATE ONLY
AND NEED TO BE CONFIRMED ON SITE BY THE GEOTECHNICAL
ENGINEER

NOTE:
BUILDER TO PROVIDE TEMPORARY SHORING WHERE CAPPING BEAM
IS MORE THAN 500mm BELOW N.G.L.

NOTES:
REFER TO DRAWING S01-001 FOR SHORING AND BULK EX PLAN

SECTION SH5
Scale 1:50
S01.001

SECTION SH6
Scale 1:50
S01.001

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO
ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

03	19.05.25	ISSUED FOR CONSTRUCTION	SF	PKP
02	03.12.24	APPROVED FOR CONSTRUCTION	SF	
1	31.10.24	APPROVED FOR CONSTRUCTION	SF	
P08	18.10.24	ISSUED FOR PRELIMINARY INFORMATION	SF	
P07	27.09.24	ISSUED FOR PRELIMINARY INFORMATION	SF	
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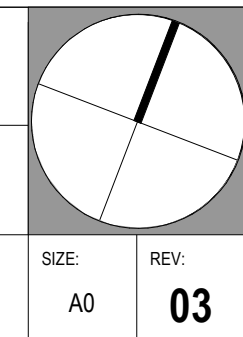
PROJECT: FIVEWAYS CROWS NEST
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

JOB NUMBER: 23012
ORG NUMBER: S01.013

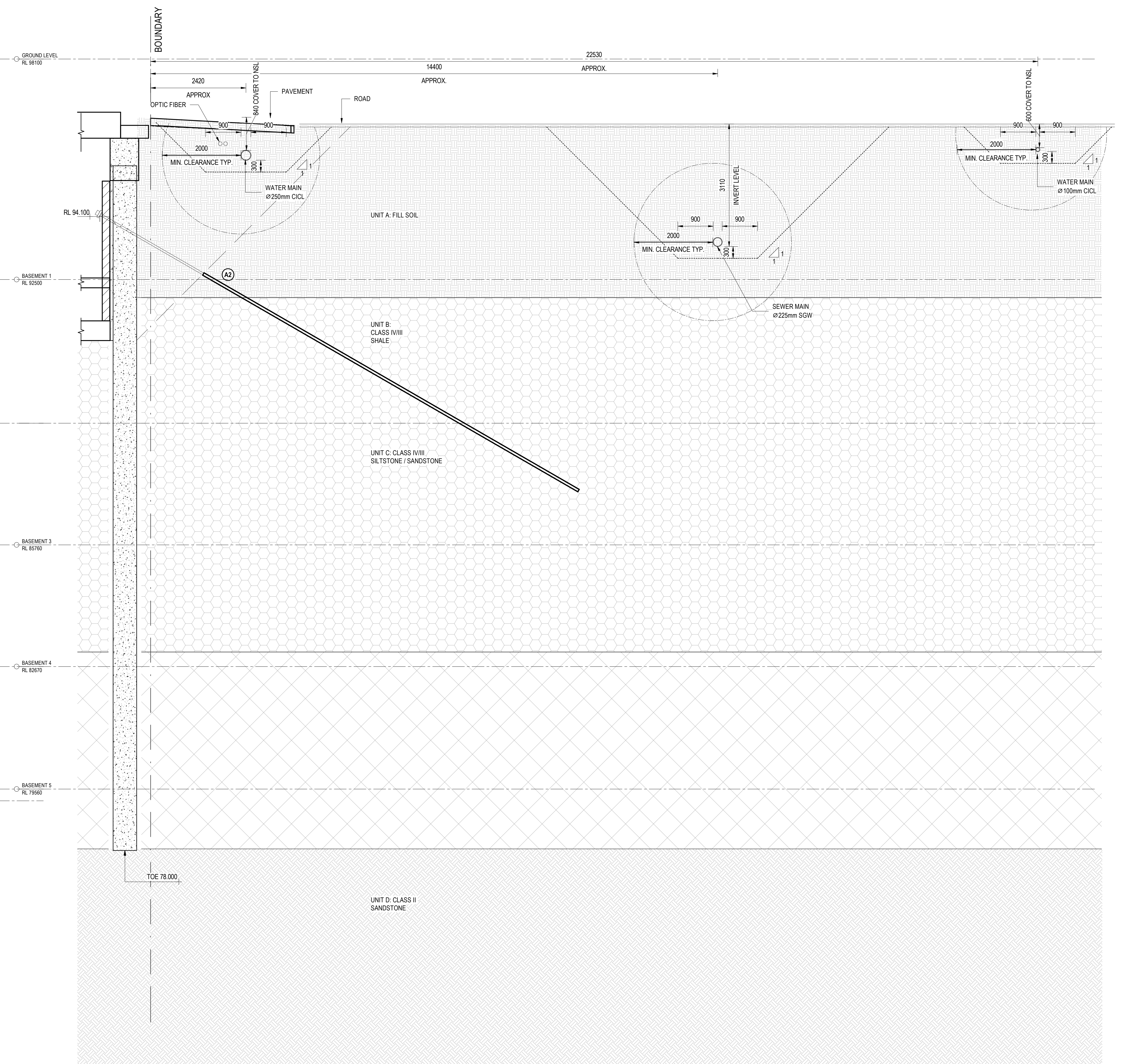
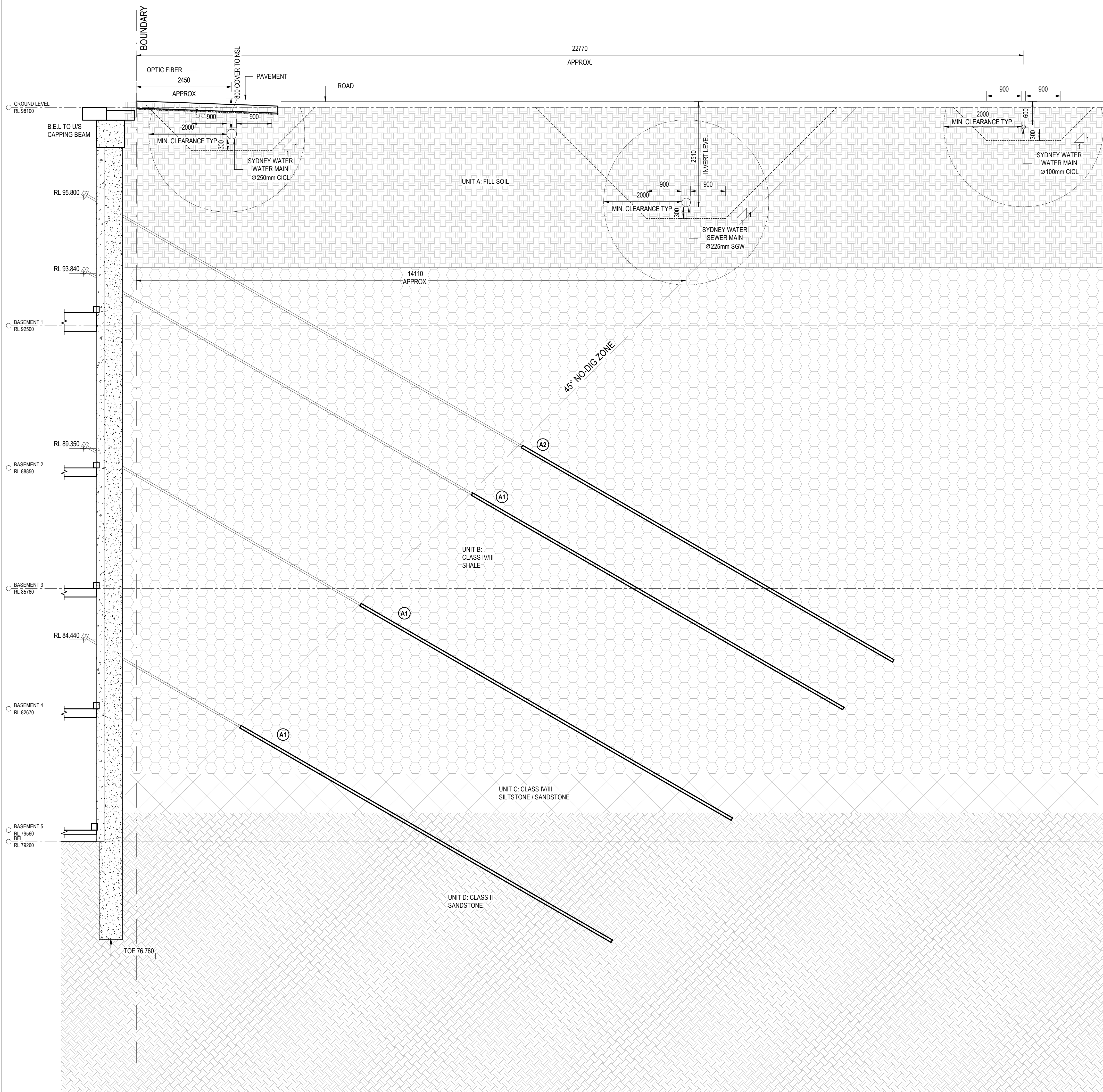
DESIGNED BY: RC
DATE: June 2024

DRAWN BY: SF
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TITLE: SHORING WALL SECTIONS - SHEET 3



19/05/2025 3:38:51 PM

[illegible]

SECTION **SH7**
Scale 1:50 **S01.001**

SECTION **SH8**
Scale 1:50 S01.001

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ENGINEER

NOTE:
BUILDER TO PROVIDE TEMPORARY SHORING WHERE CAPPING BEAM
IS MORE THAN 500mm BELOW N.G.L.

NOTES:
REFER TO DRAWING S01-001 FOR SHORING AND BULK EX PLAN

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

Q3	19.03.25	ISSUED FOR CONSTRUCTION	PKP
Q2	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
P08	18.10.24	ISSUED FOR PRELIMINARY INFORMATION	SF
P07	27.09.24	ISSUED FOR PRELIMINARY INFORMATION	SF
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PROJECT: **FIVEWAYS CROWS NEST**
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

TITLE:

SHORING WALL SECTIONS SHEET 4

JOB NUMBER:
23012

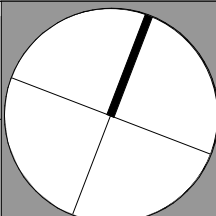
DESIGNED BY: RC

DRAWN BY: **SF**

CAG NUMBER:
S01.014

DATE: June.2024

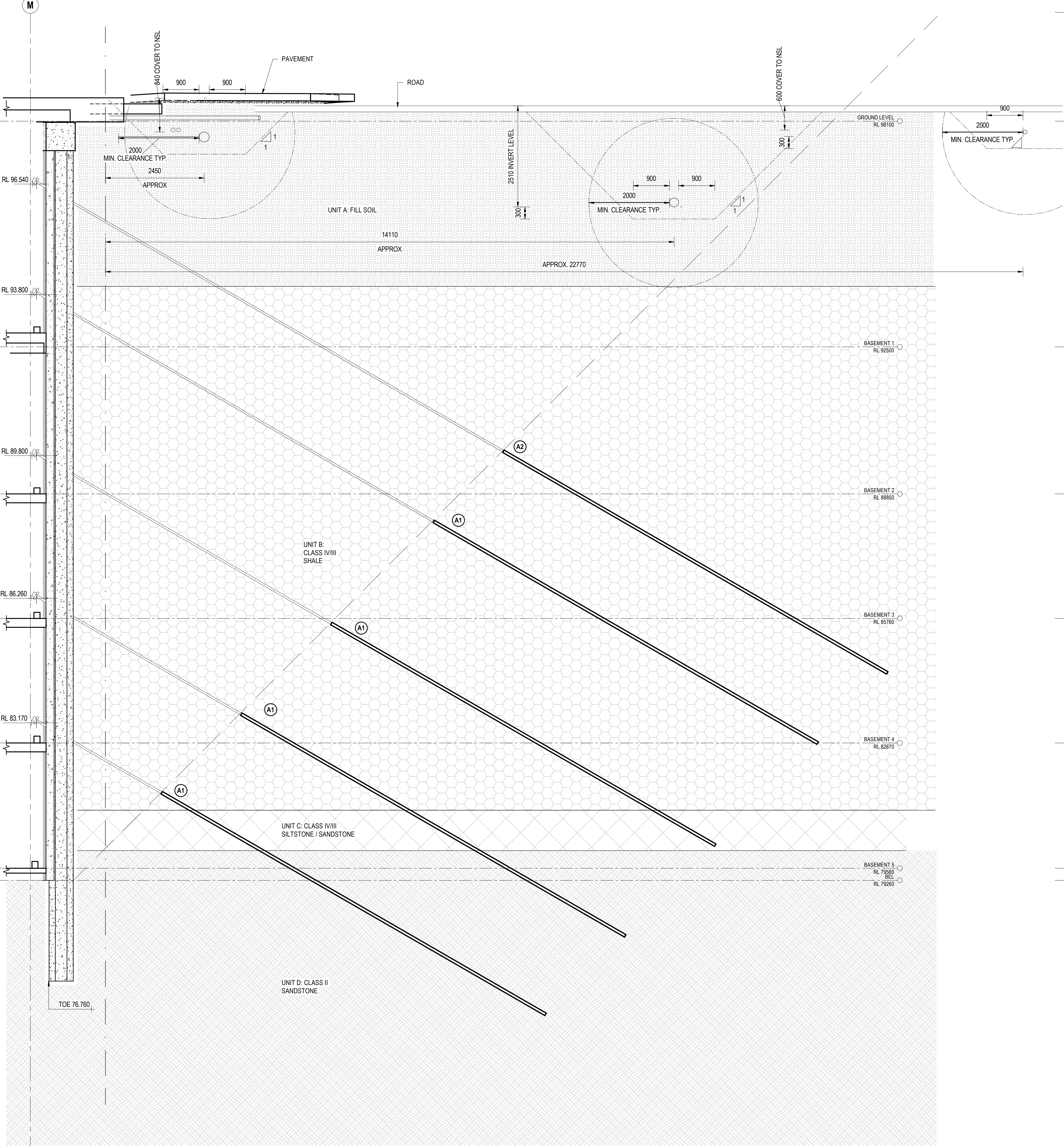
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SIZE:	REV:
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Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: SHORING WALL SECTIONS - SHEET 5			Drawing No: S01.015	
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	31.10.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



NOTE:
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ENGINEER

NOTE:
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IS MORE THAN 500mm BELOW N.G.L.

NOTES:
REFER TO DRAWING S01.001 FOR SHORING AND BULK EX PLAN

SECTION / SH9
Scale: 1:50
S01.001

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO
ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

03	19.05.25	ISSUED FOR CONSTRUCTION	PKP
02	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
P08	18.10.24	ISSUED FOR PRELIMINARY INFORMATION	SF
P07	27.09.24	ISSUED FOR PRELIMINARY INFORMATION	SF
REV	REV	REVISION DESCRIPTION	BY

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NARCISSE PARK NSW 2113

PROJECT: FIVEWAYS CROWS NEST
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

JOB NUMBER:
23012

ORIG NUMBER:
S01.015

DESIGNED BY:
RC

DATE:
June 2024

DRAWN BY:
SF

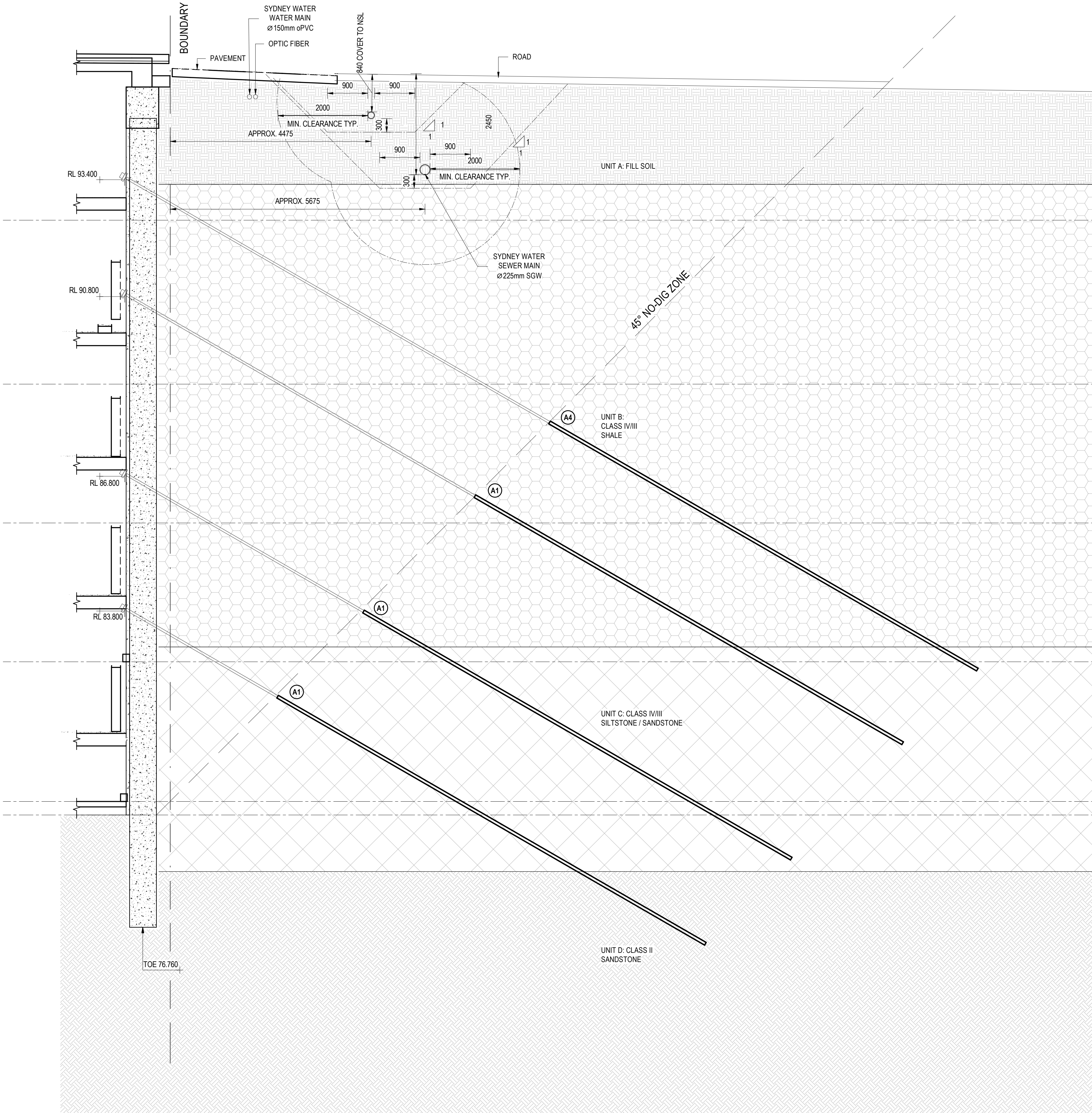
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SHEET
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03

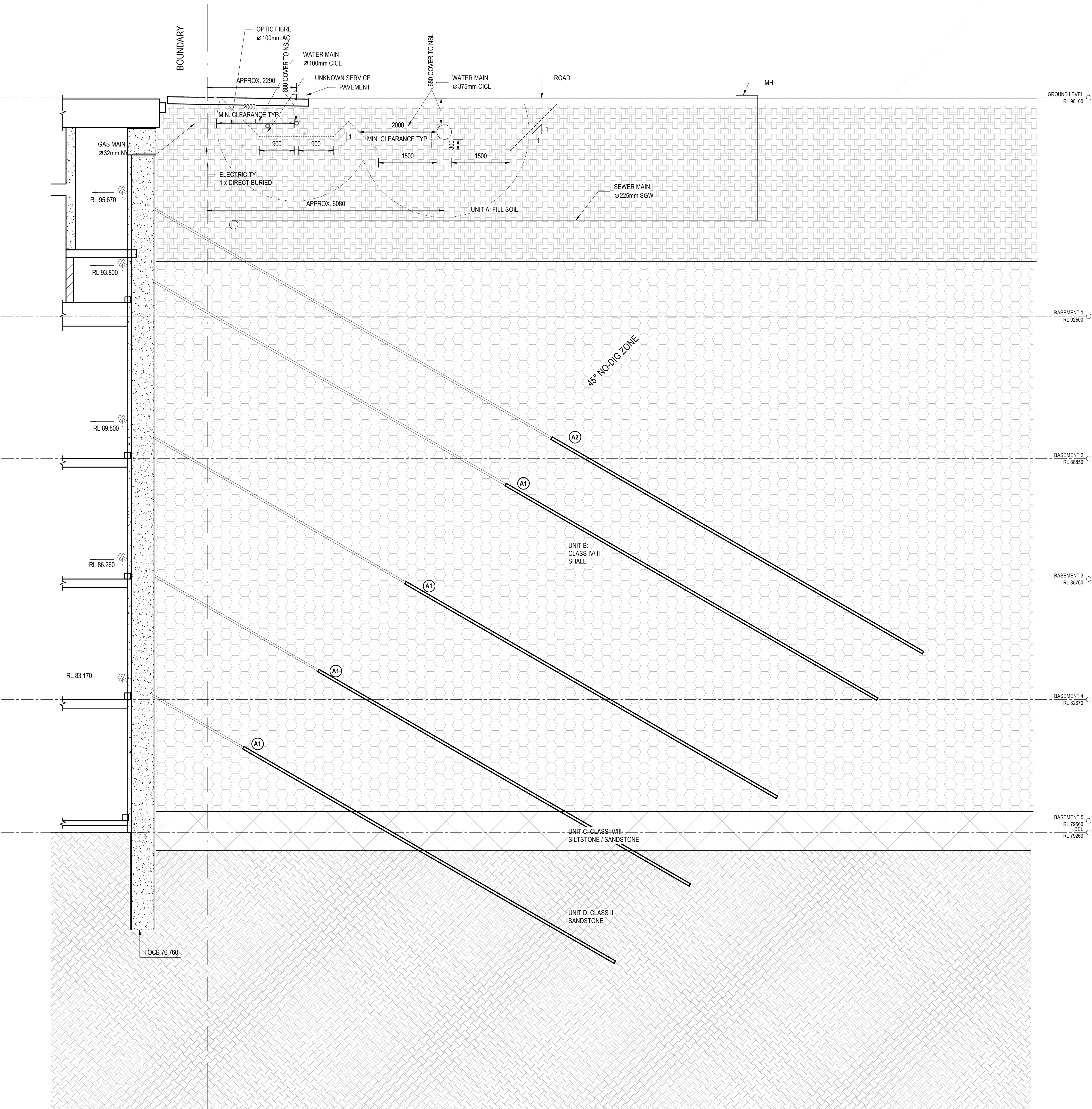
TITLE:
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Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: SHORING WALL SECTIONS - SHEET 6			Drawing No: S01.016	
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	31.10.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



SECTION SH11
Scale: 1:50



SECTION SH12
Scale: 1:50

NOTE:
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NOTE:
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AND NEED TO BE CONFIRMED ON SITE BY THE GEOTECHNICAL
ENGINEER

NOTE:
BUILDER TO PROVIDE TEMPORARY SHORING WHERE CAPPING BEAM
IS MORE THAN 300mm BELOW N.G.L.

NOTES:
REFER TO DRAWING S01.001 FOR SHORING AND BULK EX PLAN

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO
ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

03	19.05.25	ISSUED FOR CONSTRUCTION	SF	PKP
02	03.12.24	APPROVED FOR CONSTRUCTION	SF	
1	31.10.24	APPROVED FOR CONSTRUCTION	SF	
P02	18.10.24	ISSUED FOR PRELIMINARY INFORMATION	SF	
P01	27.09.24	ISSUED FOR PRELIMINARY INFORMATION	SF	
REV	REV	REVISION DESCRIPTION	BY	

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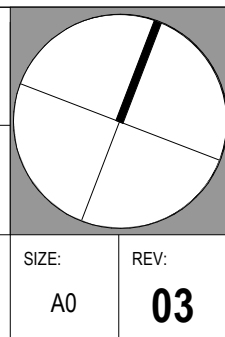
PROJECT: FIVEWAYS CROWS NEST
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

JOB NUMBER: 23012
DATE: June 2024

DESIGNED BY: RC
SCALE: 1:50 @ A0

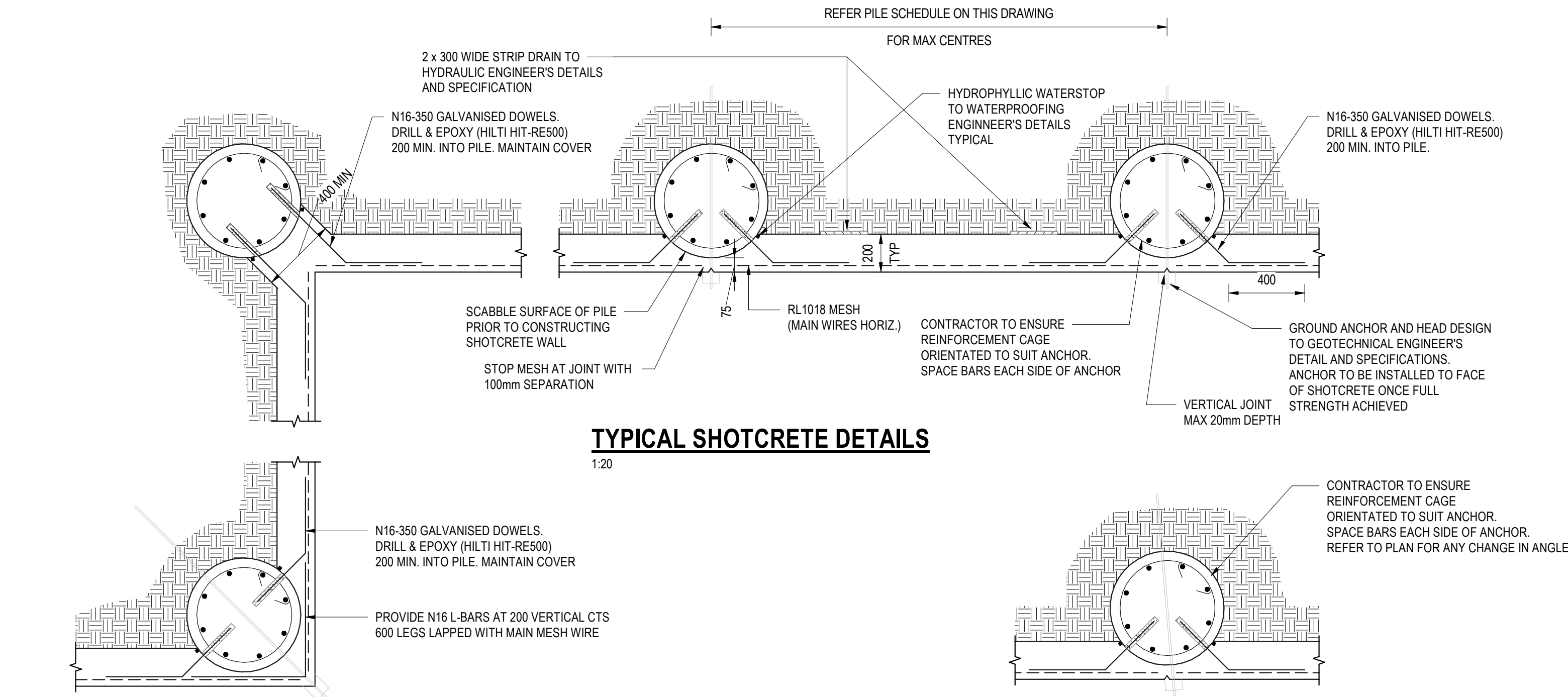
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TITLE: SHORING WALL SECTIONS - SHEET 6

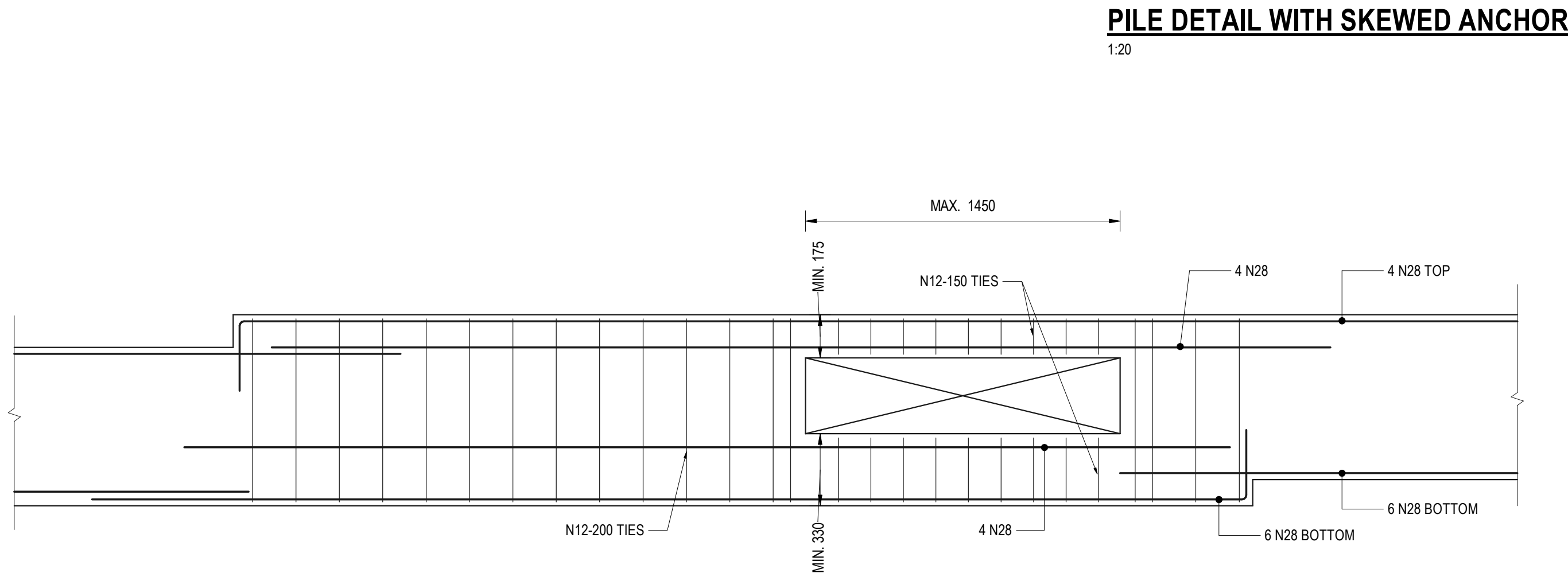


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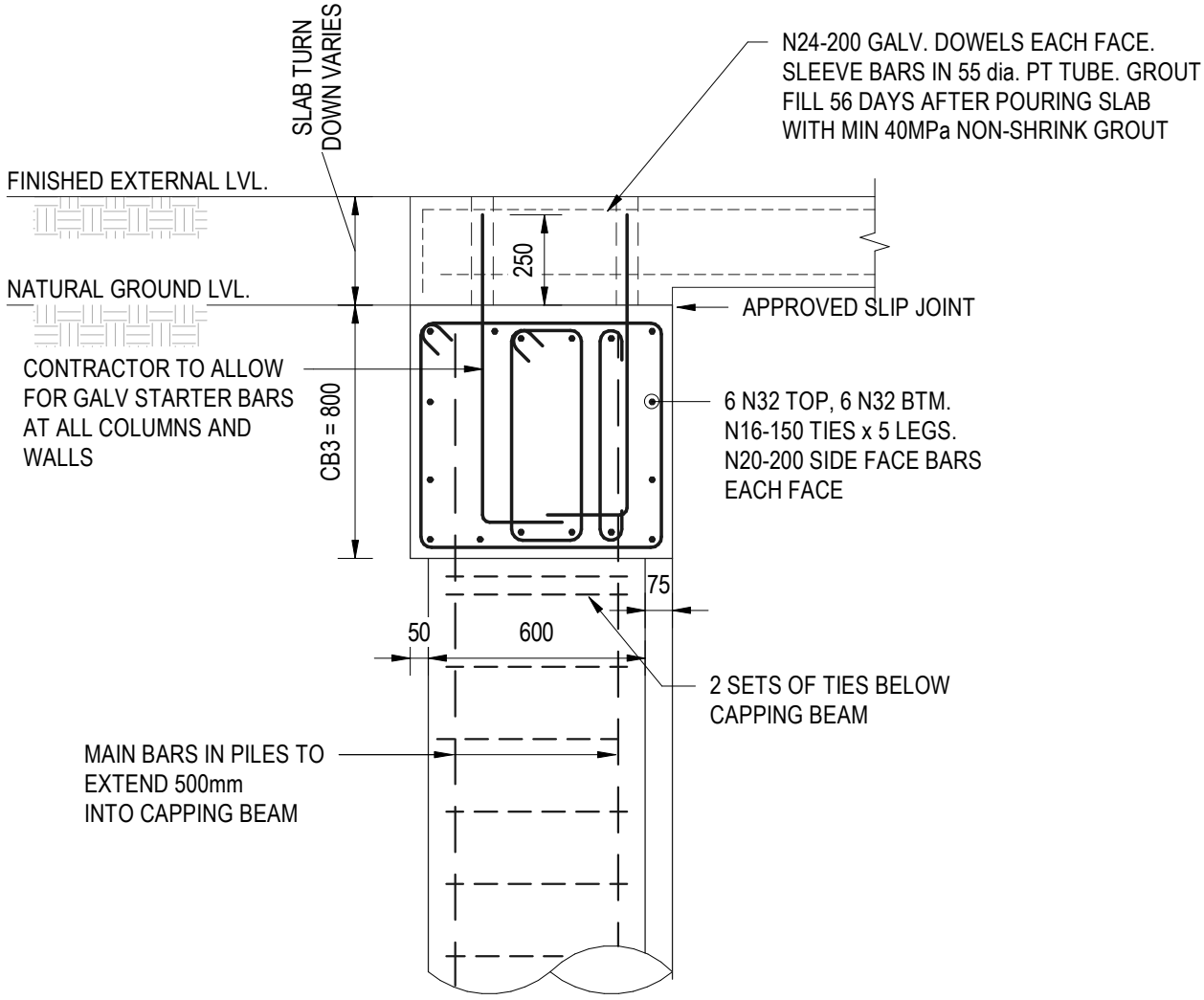
Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: TYPICAL SITE RETENTION DETAILS			Drawing No: S01.021	
Rev	Date dd mm yy	Description	DP Full Name	Reg No
1	31.10.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	03.12.24	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
3	09.04.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
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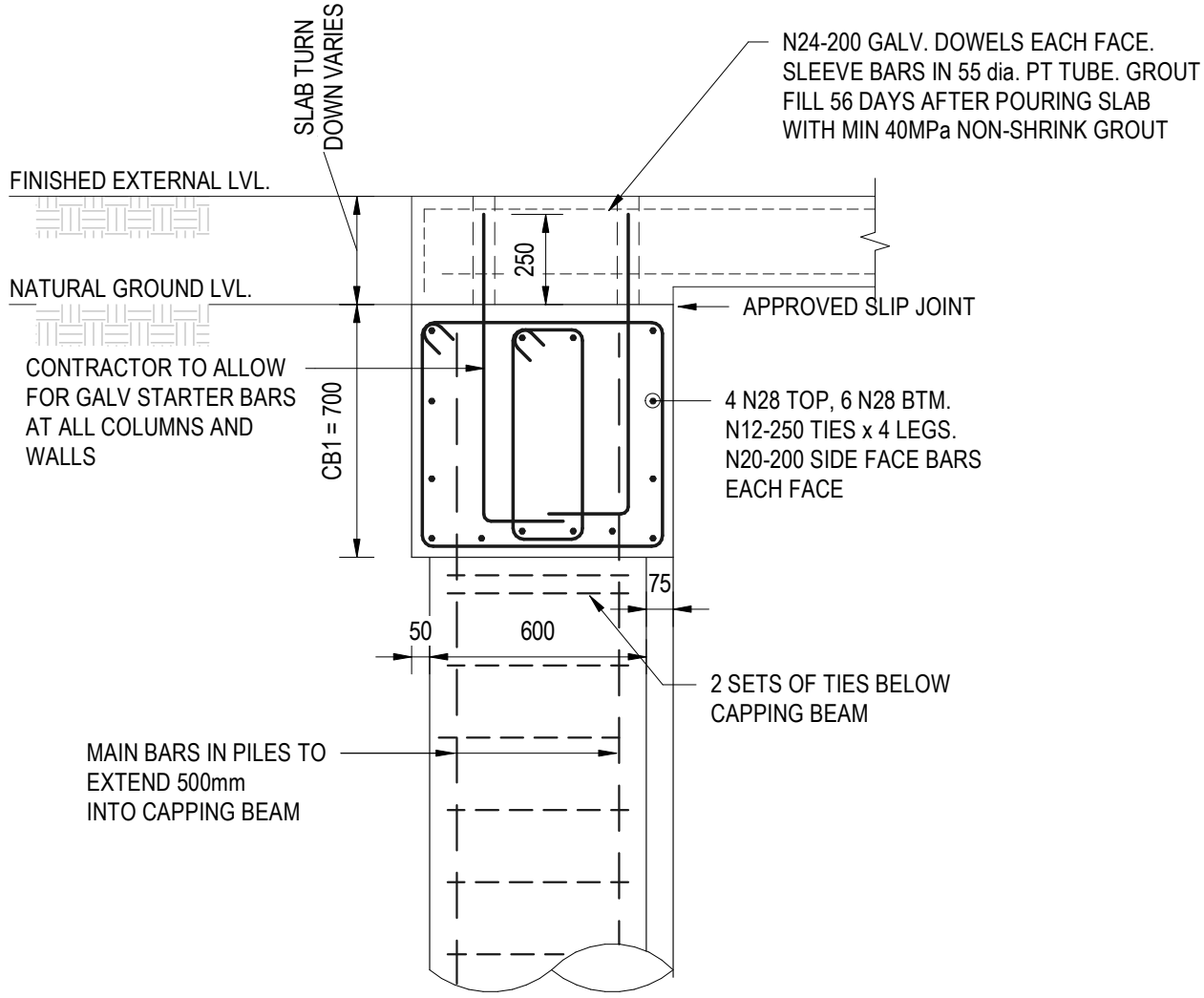
TYPICAL SHOTCRETE DETAILS



PILE DETAIL WITH SKEWED ANCHOR



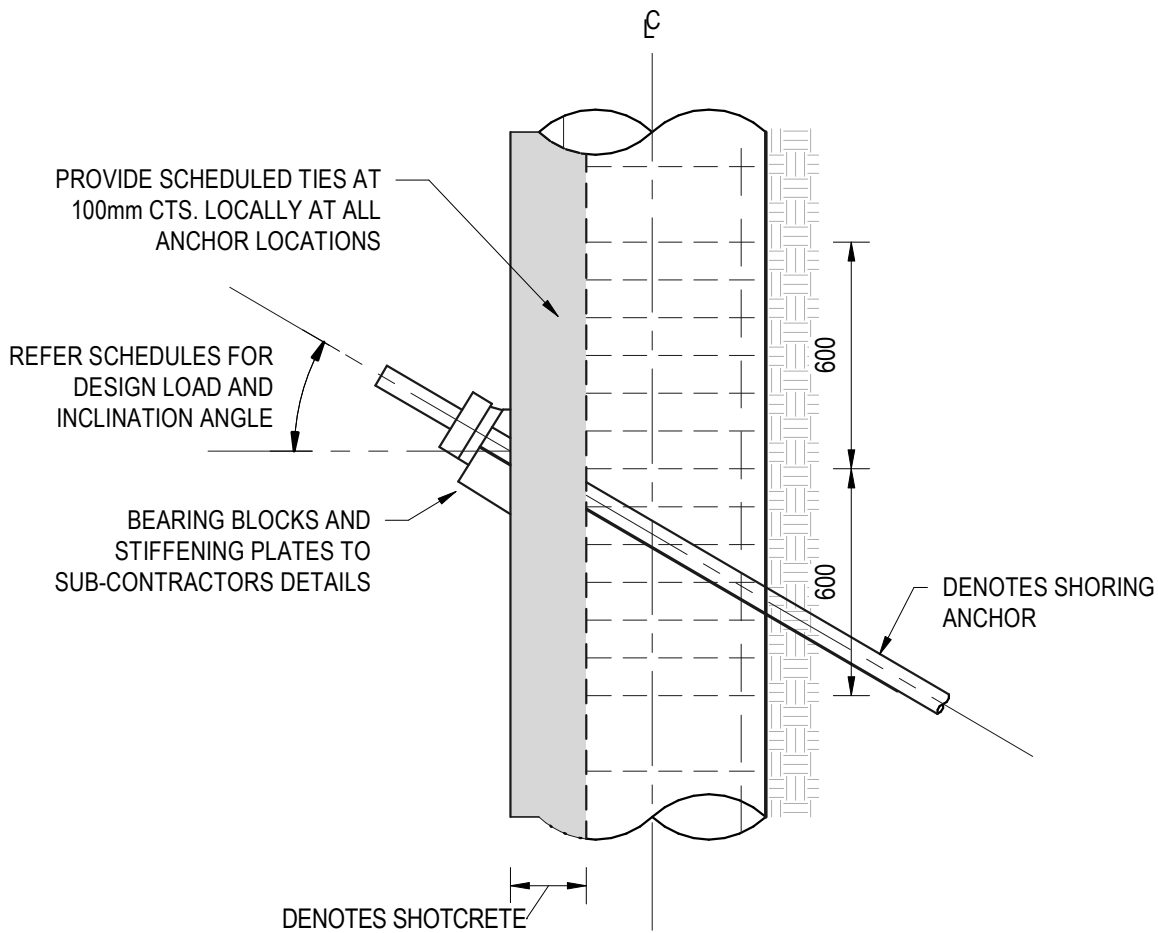
CAPPING BEAM - CB3



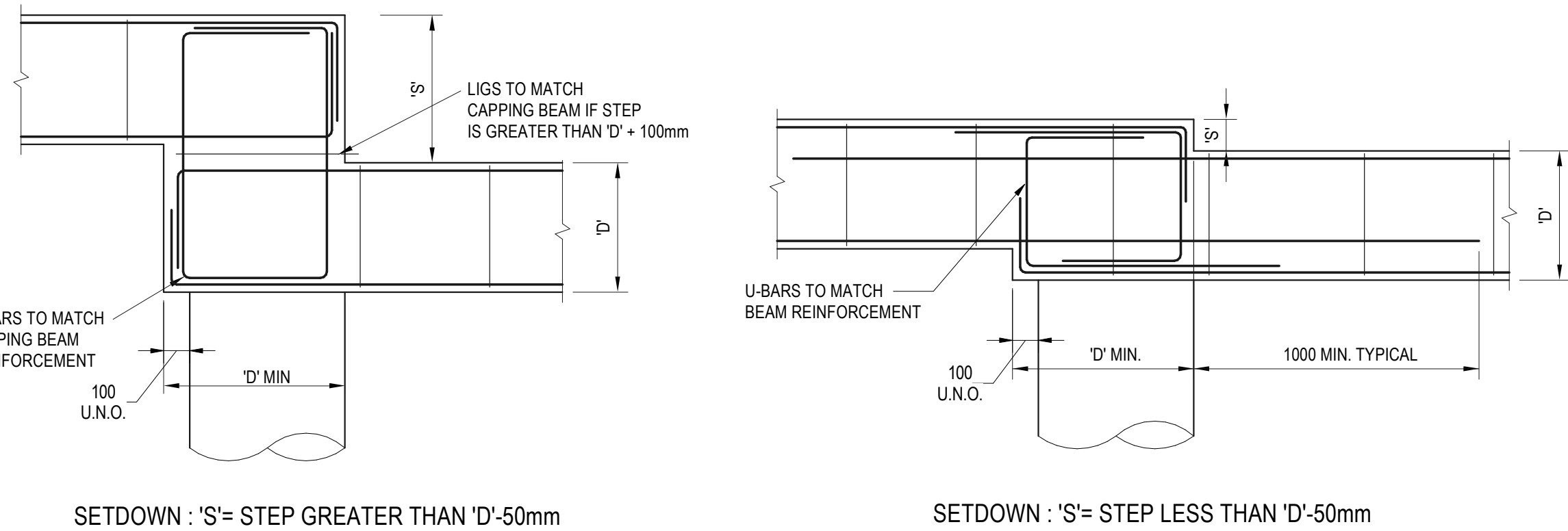
CAPPING BEAM - CB1

CAPPING BEAM - CB2

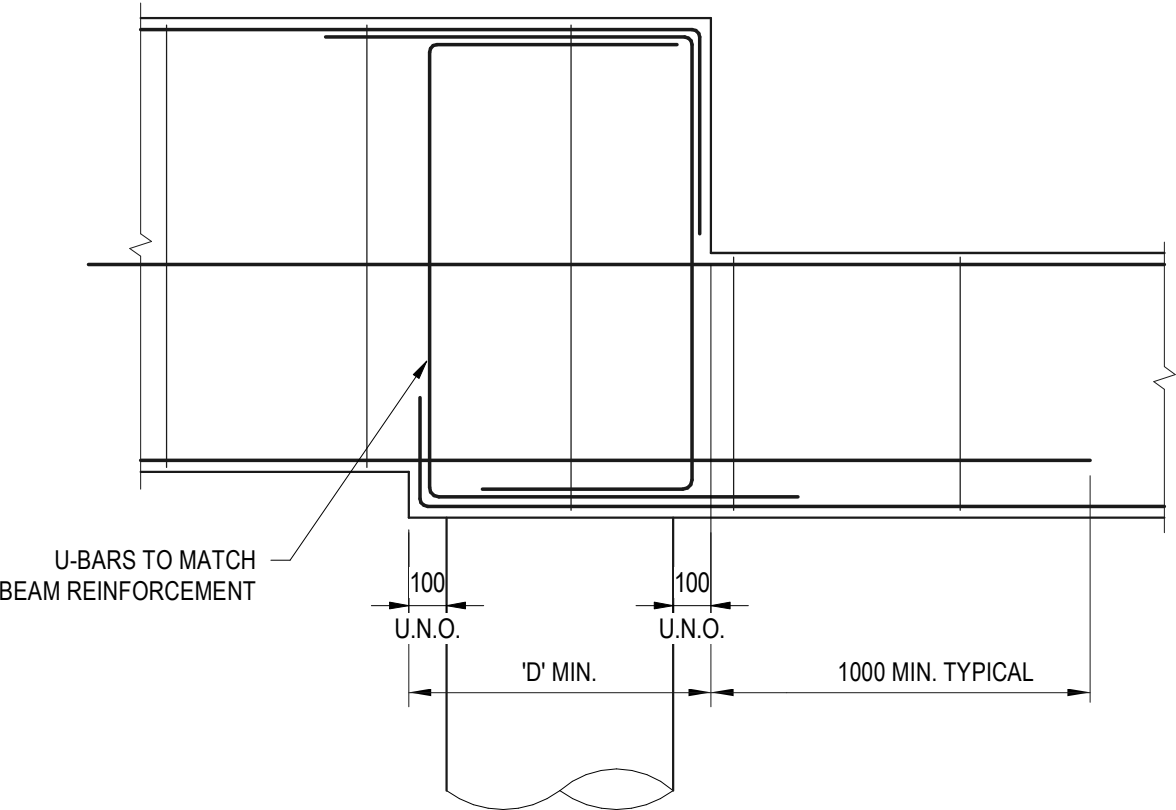
NOTE: WITH THE SAME AS CB1



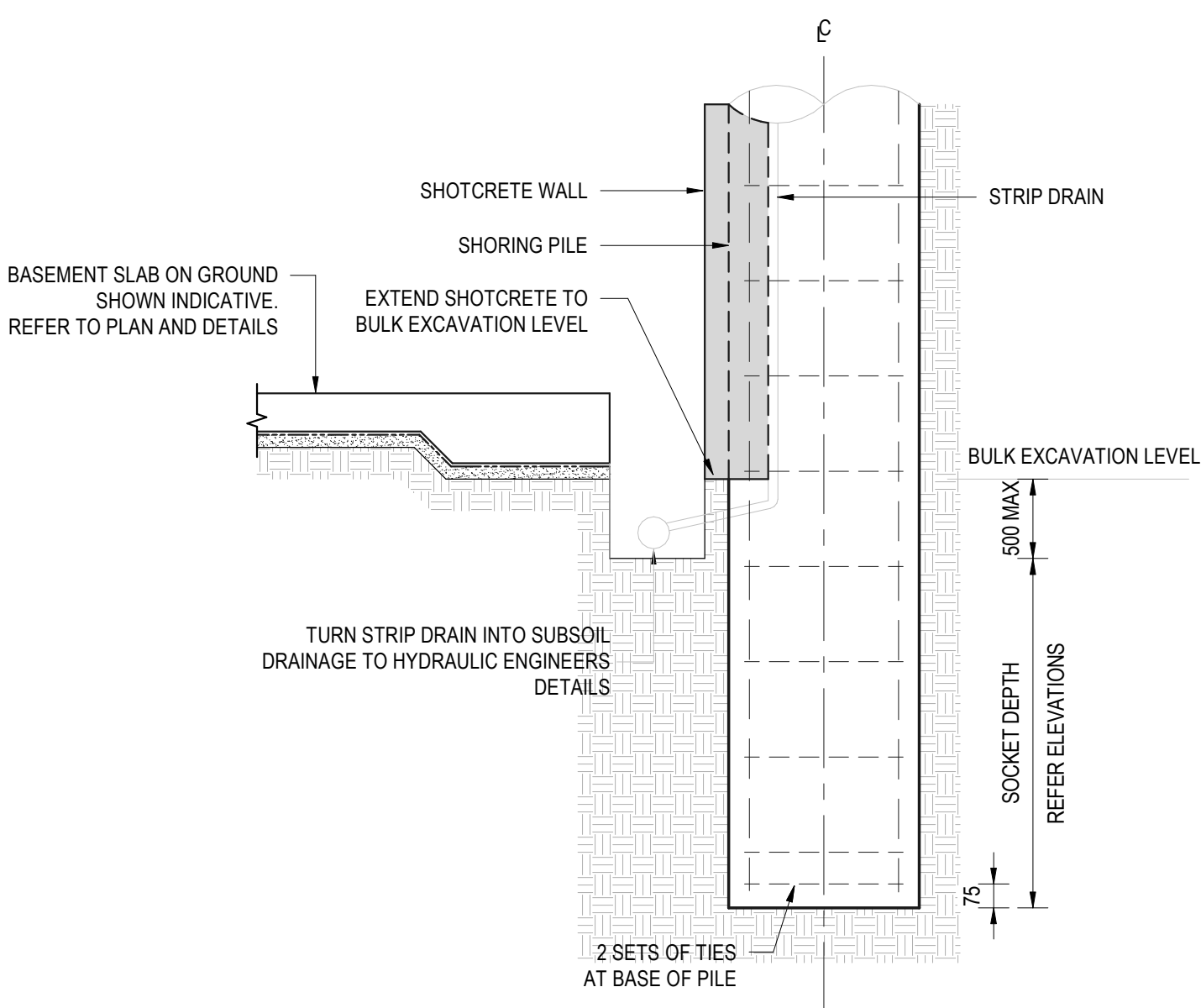
TYPICAL PILE & ANCHOR DETAIL



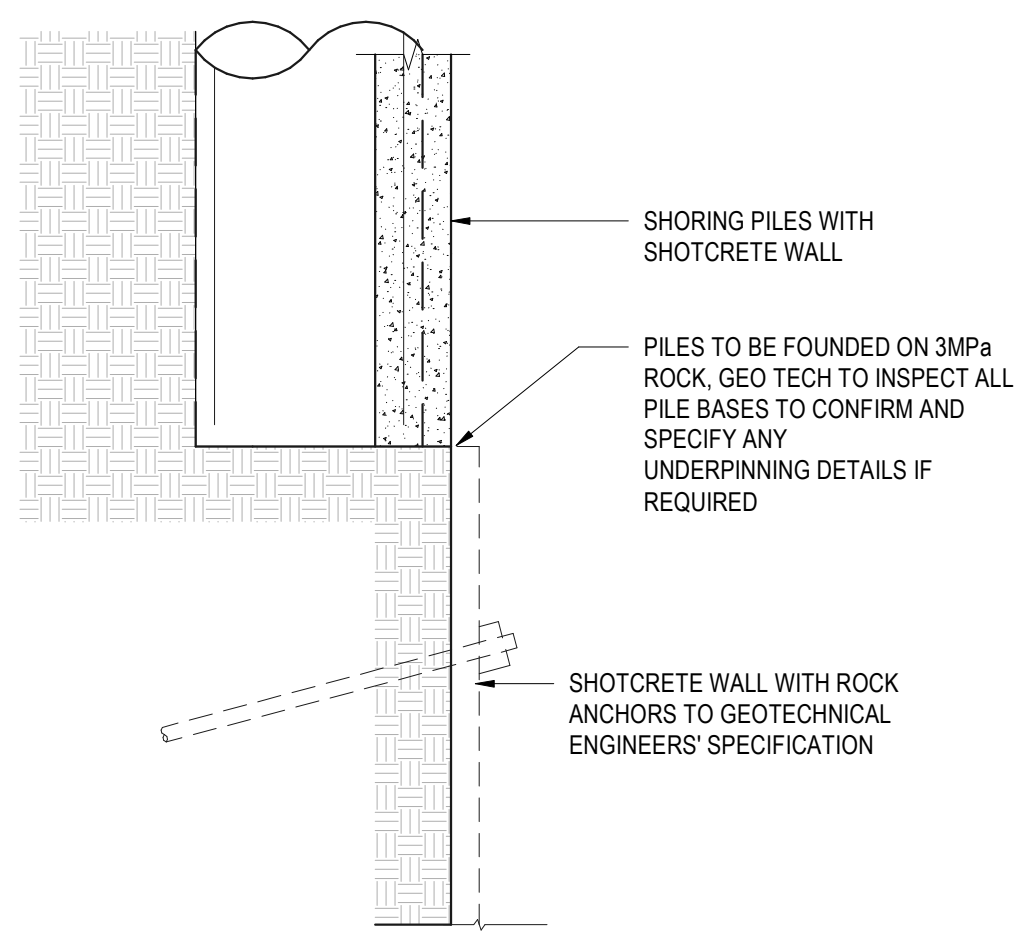
TYPICAL CAPPING BEAM STEP DETAILS - CB1



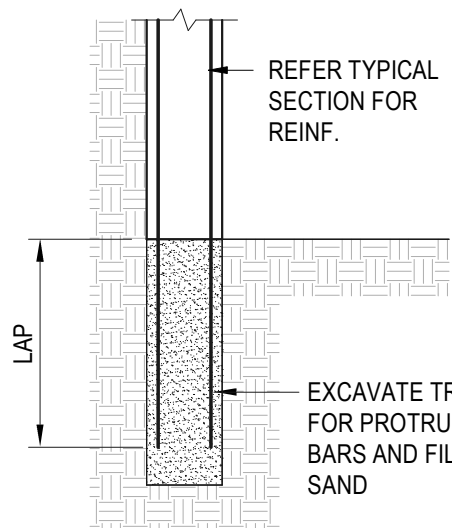
TYPICAL CAPPING BEAM STEP DETAIL - CB1 TO CB2



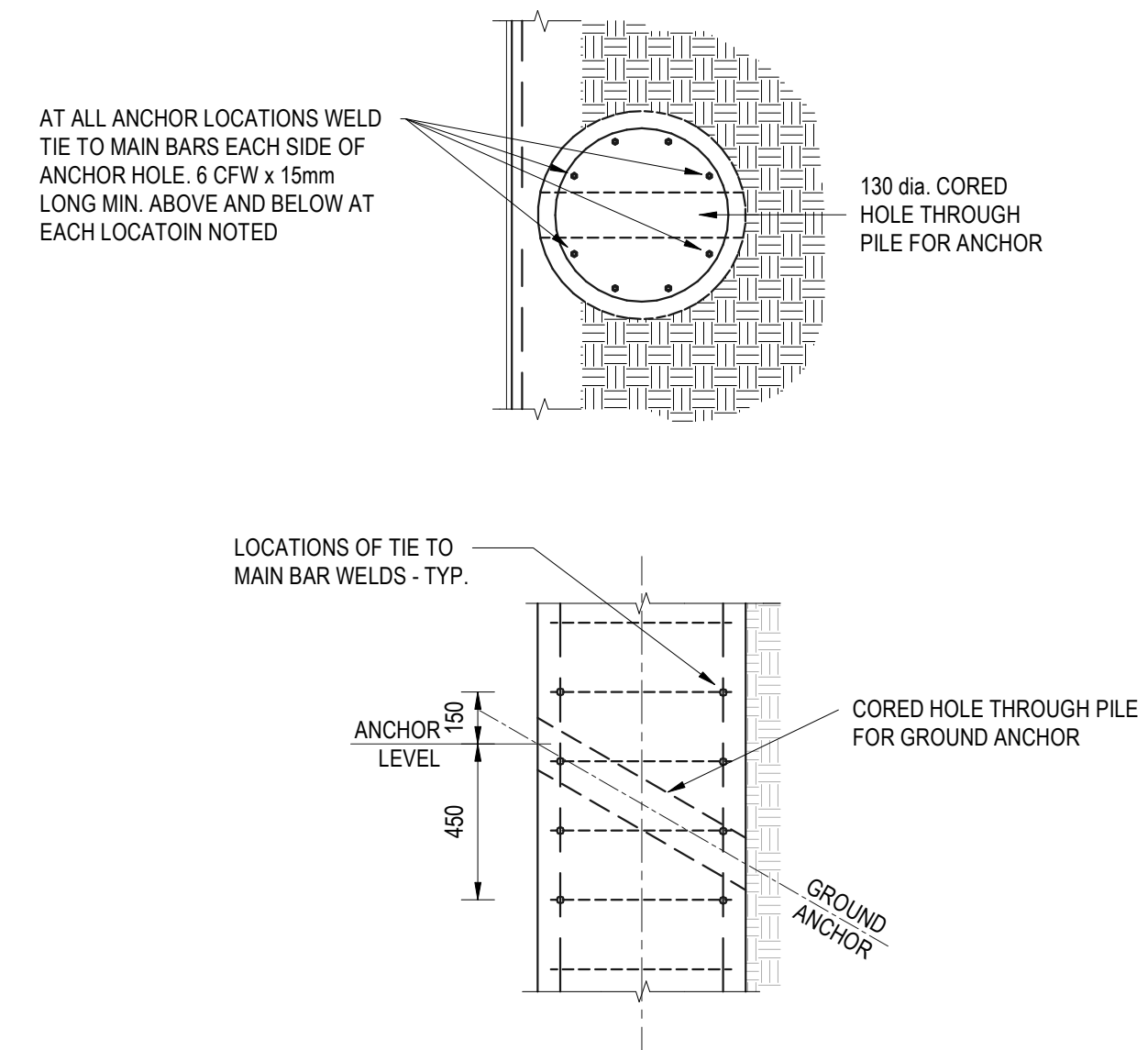
TYPICAL PILE SOCKET DETAILS



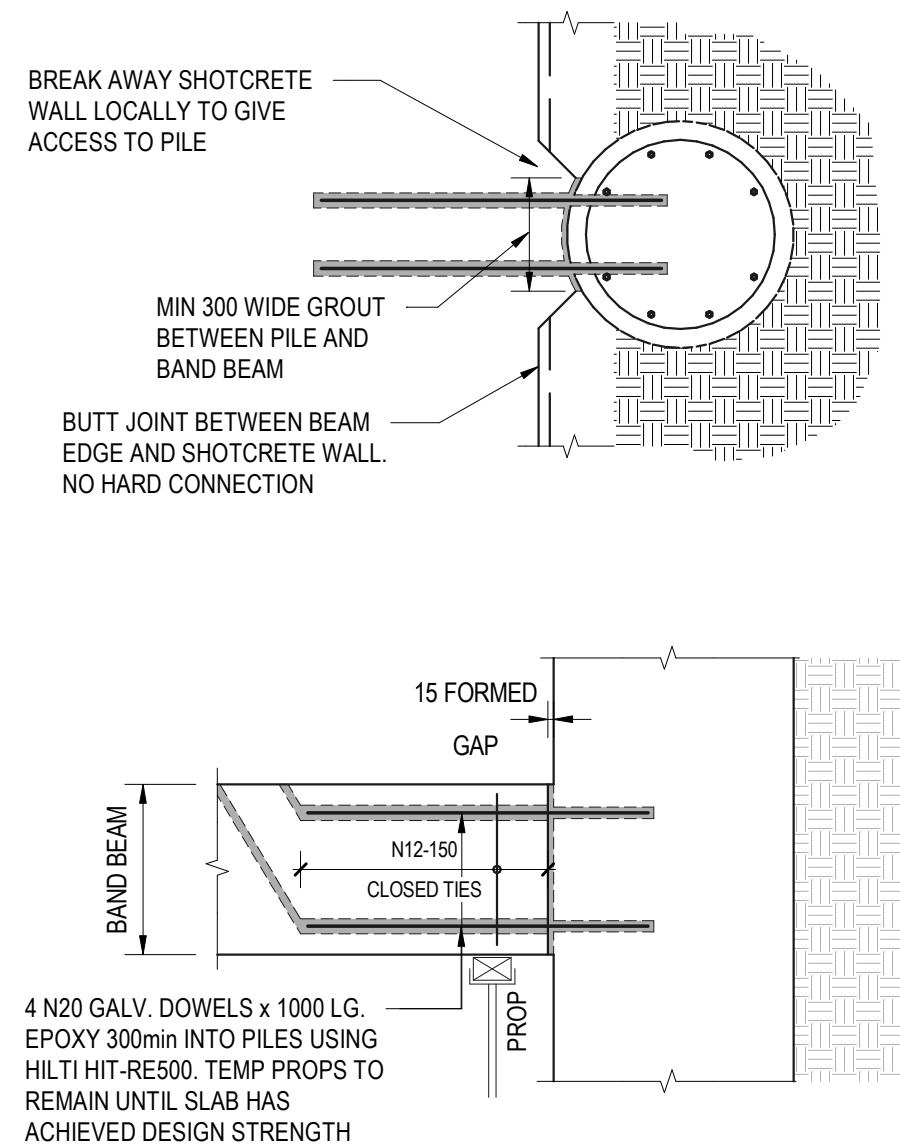
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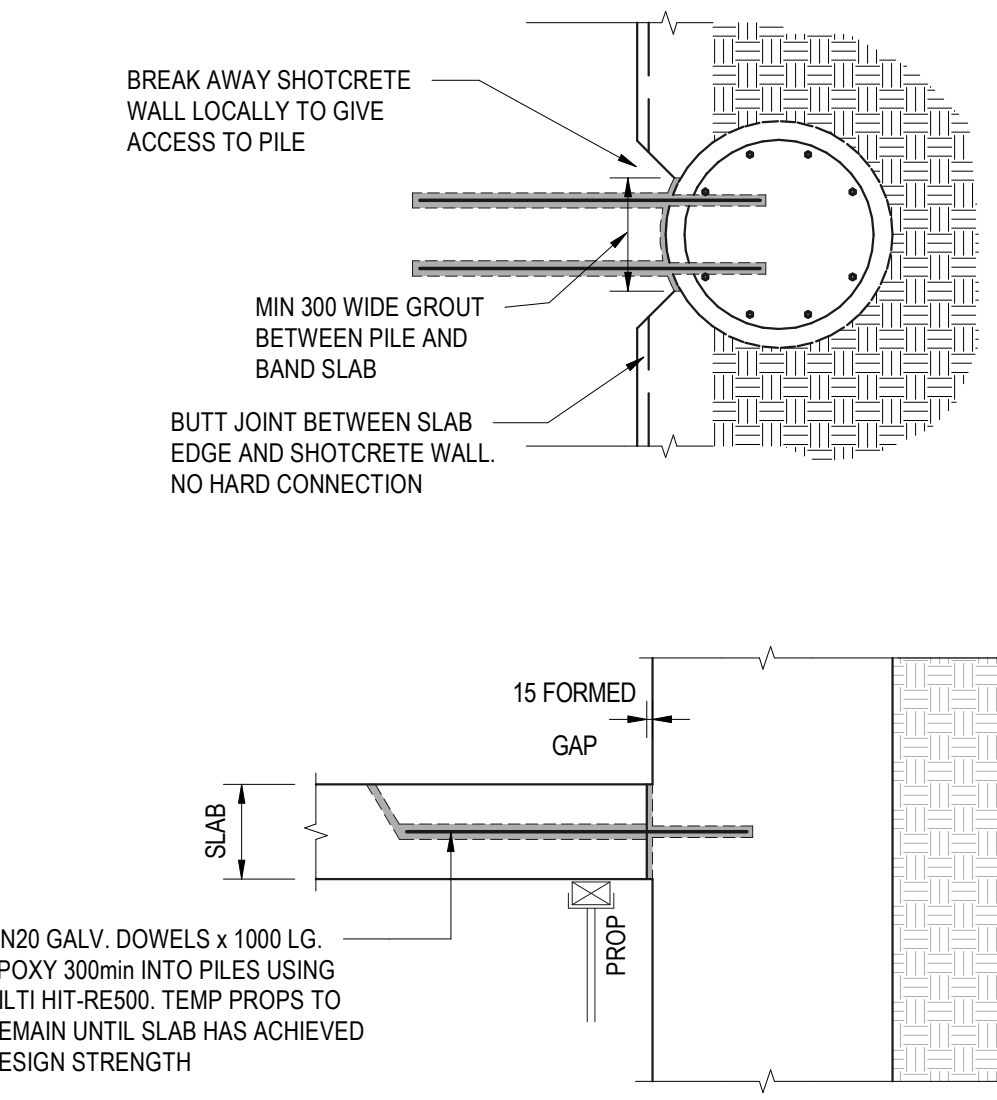
HORIZONTAL SHOTCRETE CONSTRUCTION JOINT



TYPICAL PILE REINFORCEMENT AT ANCHOR



TYPICAL PILE TO BAND BEAM CONNECTION DETAIL



TYPICAL PILE TO SLAB CONNECTION DETAIL

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

04	19.05.25	ISSUED FOR CONSTRUCTION	PKP
03	09.04.25	ISSUED FOR CONSTRUCTION	PD
02	03.12.24	APPROVED FOR CONSTRUCTION	SF
1	31.10.24	APPROVED FOR CONSTRUCTION	SF
P3	06.09.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
REV	REV	REVISION DESCRIPTION	BY

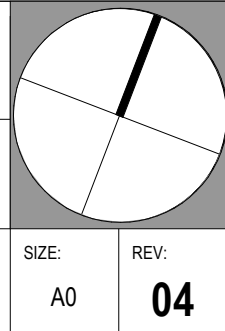
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PROJECT:	FIVEWAYS CROWS NEST 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065
TITLE:	TYPICAL SITE RETENTION DETAILS

JOB NUMBER:	23012	DOC NUMBER:	S01.021
DESIGNED BY:	RC	DATE:	June 2024
DRAWN BY:	SF	SCALE:	1:20 @ A0



19/05/2025 3:36:59 PM

Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: SITE RETENTION PLAN WITH METRO RAIL TUNNEL		Drawing No: S01.101		
Rev	Date	Description	DP Full Name	Reg No
1	24.03.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027
2	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027

REFERENCED DRAWINGS

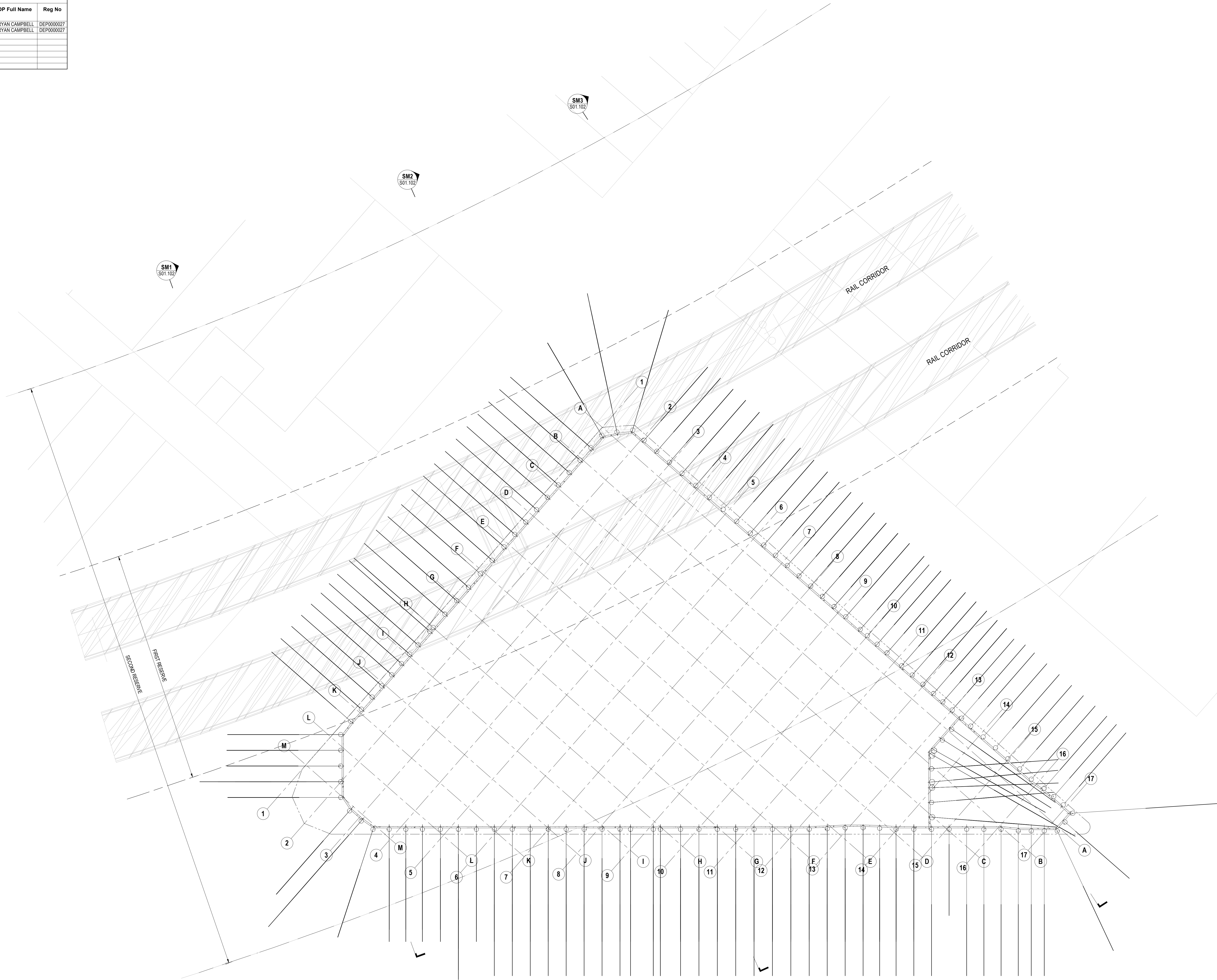
SURVEY - JOB NUMBER 4950-20 REVISION 02 DATE 23-04-20 BY DAW & WALTON CONSULTING SURVEYORS

DESIGN APPROACH BASEMENT DRAWINGS BY TURNER

DESIGN APPROACH METRO SECTION DRAWING BY TURNER

SWCSWTSE-JAB-TPW-AL-DRG-505123 REVISION 02 DATE 17-05-19, CLIENT TRANSPORT FOR NSW

SYDNEY METRO UNDERGROUND CORRIDOR PROTECTION TECHNICAL GUIDELINES, REFERENCE iCentral SM-20-00081444 VERSION 2 DATE APRIL 2021 BY WSP



SITE RETENTION PLAN WITH METRO RAIL TUNNEL
SCALE 1 : 200

CONSTRUCTION DESIGN

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

02	19.05.25	ISSUED FOR CONSTRUCTION	PKP
1	24.03.25	APPROVED FOR CONSTRUCTION	SF
P4	05.09.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
P3	09.08.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
P2	09.08.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
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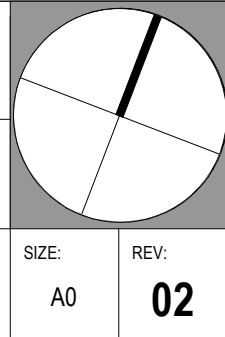
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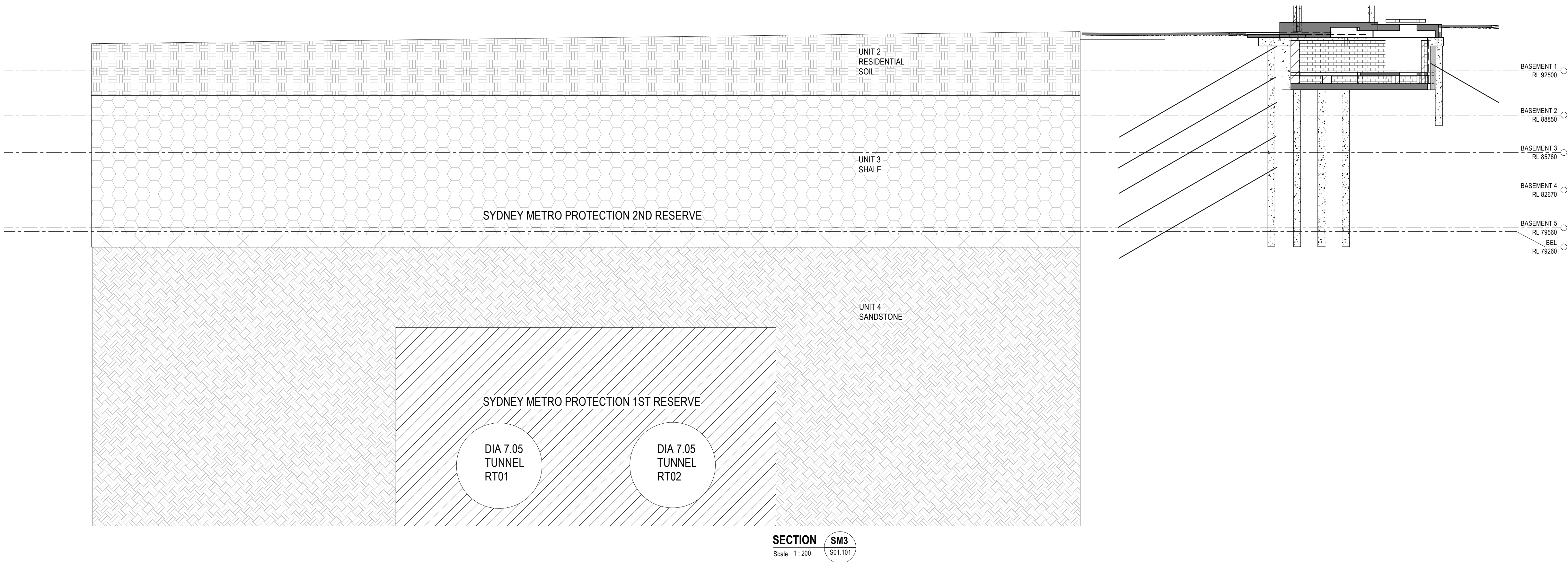
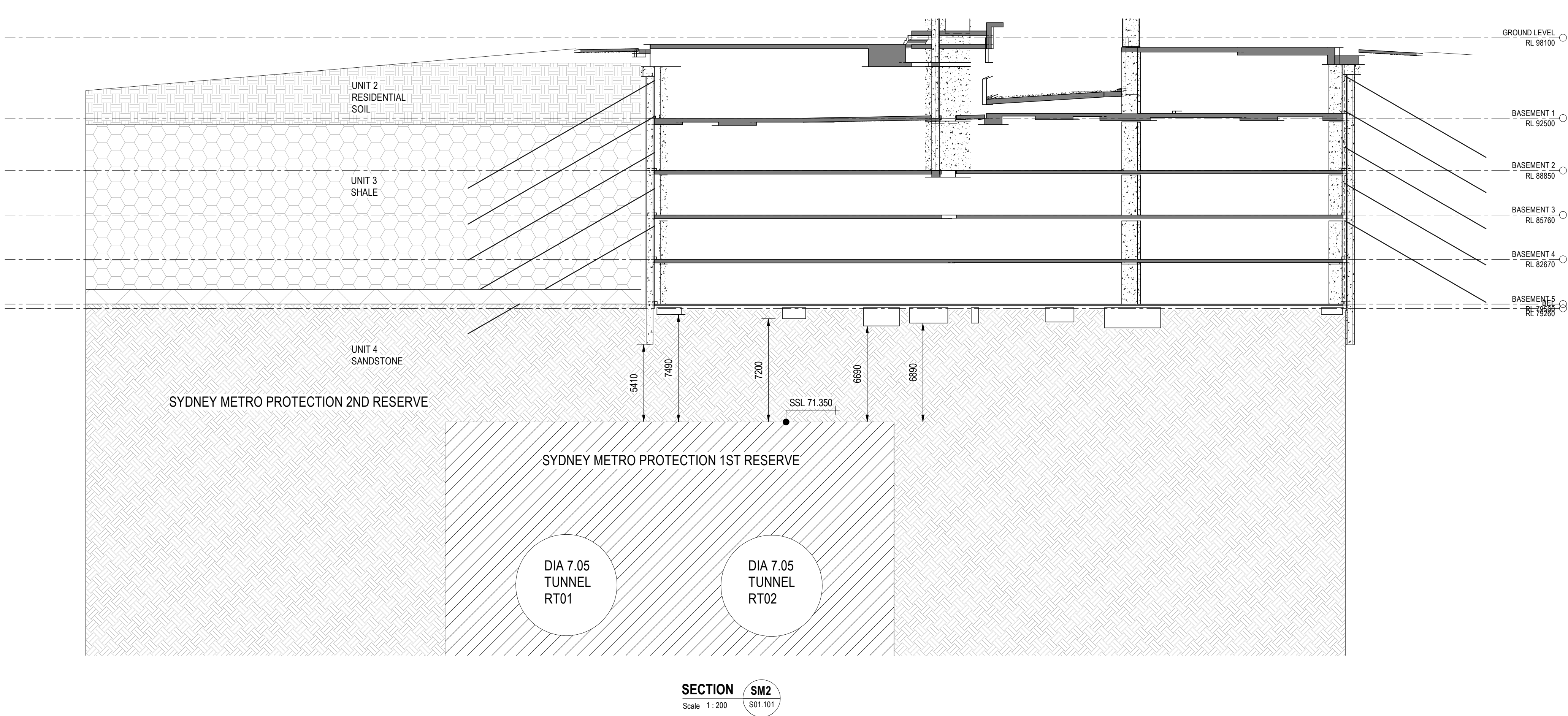
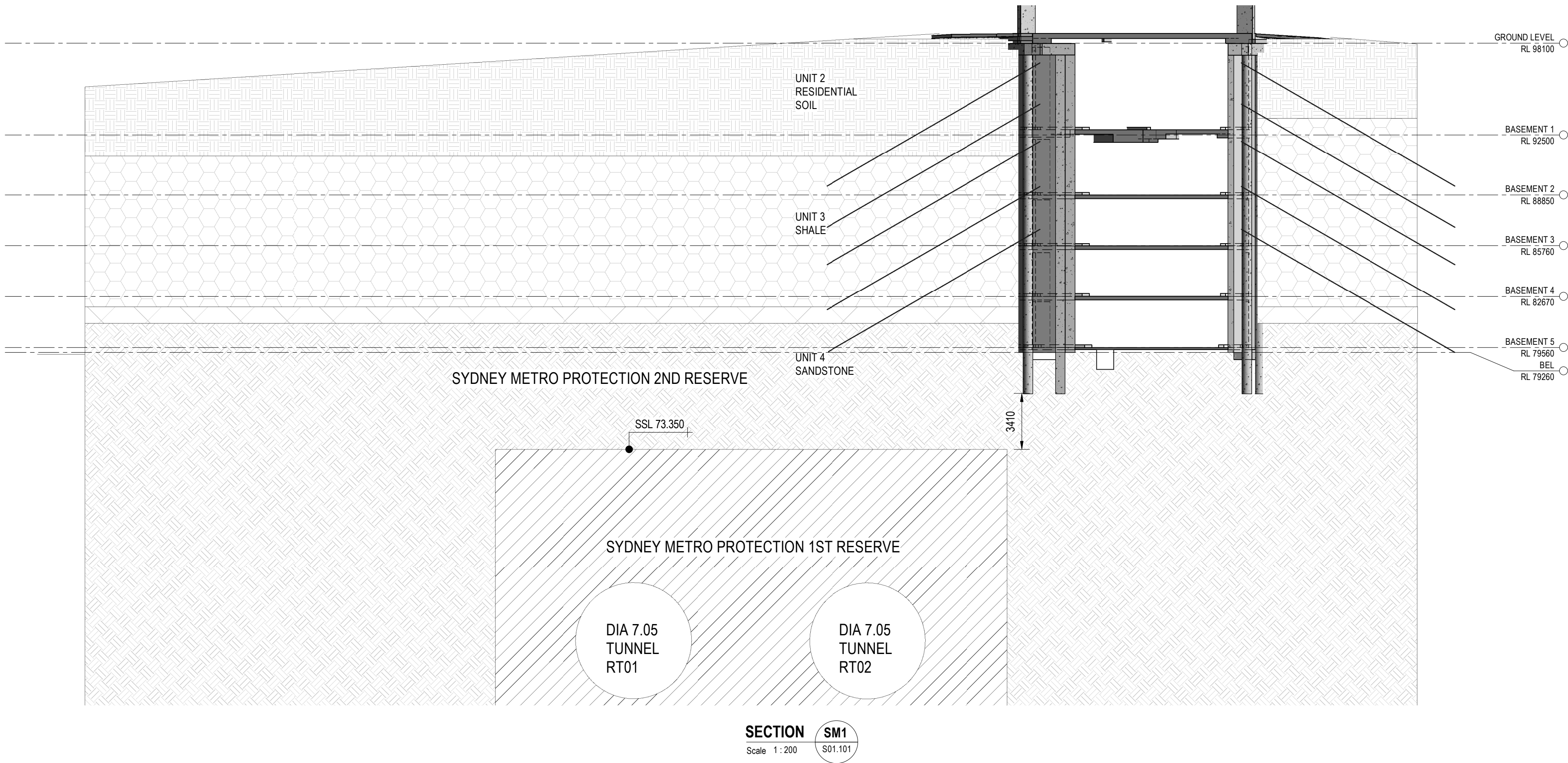
PROJECT:	FIVEWAYS CROWS NEST 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065
TITLE:	SITE RETENTION PLAN WITH METRO RAIL TUNNEL

JOB NUMBER:	23012	DRG NUMBER:	S01.101
DESIGNED BY:	RC	DATE:	June 2024
DRAWN BY:	RCL	SCALE:	1:200 @ A0



19/05/2025 3:37:00 PM

Regulated Design Record				
Project Address: 391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065				
Project Title: FIVEWAYS CROWS NEST				
Consent No: SSD-66826207		Body Corporate Reg No: DEP0000250		
Drawing Title: SITE SECTIONS WITH METRO RAIL TUNNEL			Drawing No: S01.102	
Rev	Date dd.mm.yy	Description	DP Full Name	Reg No
1	19.05.25	APPROVED FOR CONSTRUCTION	RYAN CAMPBELL	DEP0000027



PRELIMINARY ISSUE

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

1	19.05.25	ISSUED FOR CONSTRUCTION	PKP
P05	10.07.24	PRELIMINARY ISSUE	PKP
P4	05.09.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
P3	09.08.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
P2	09.08.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
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PROJECT: FIVEWAYS CROWS NEST
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

JOB NUMBER: 23012

ORIG. NUMBER: S01.102

DESIGNED BY: RC

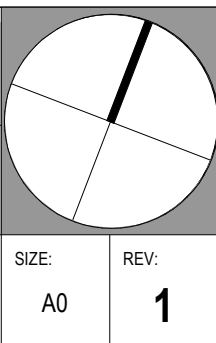
DATE: June 2024

DRAWN BY: RCL

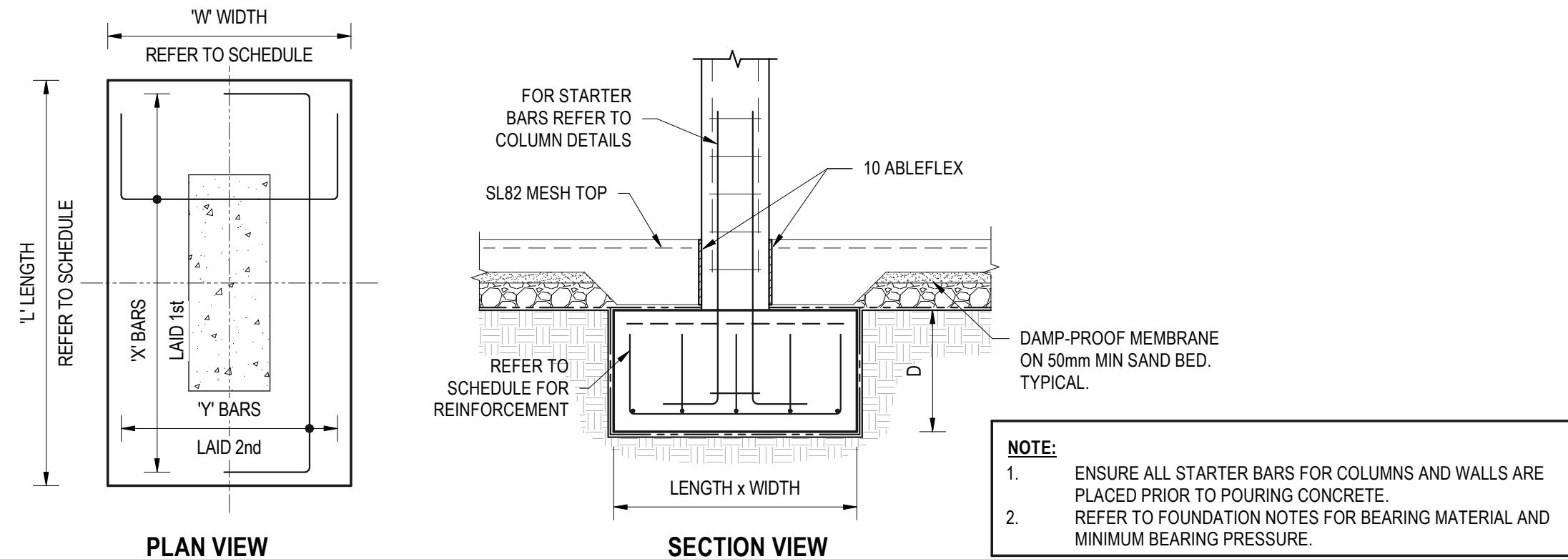
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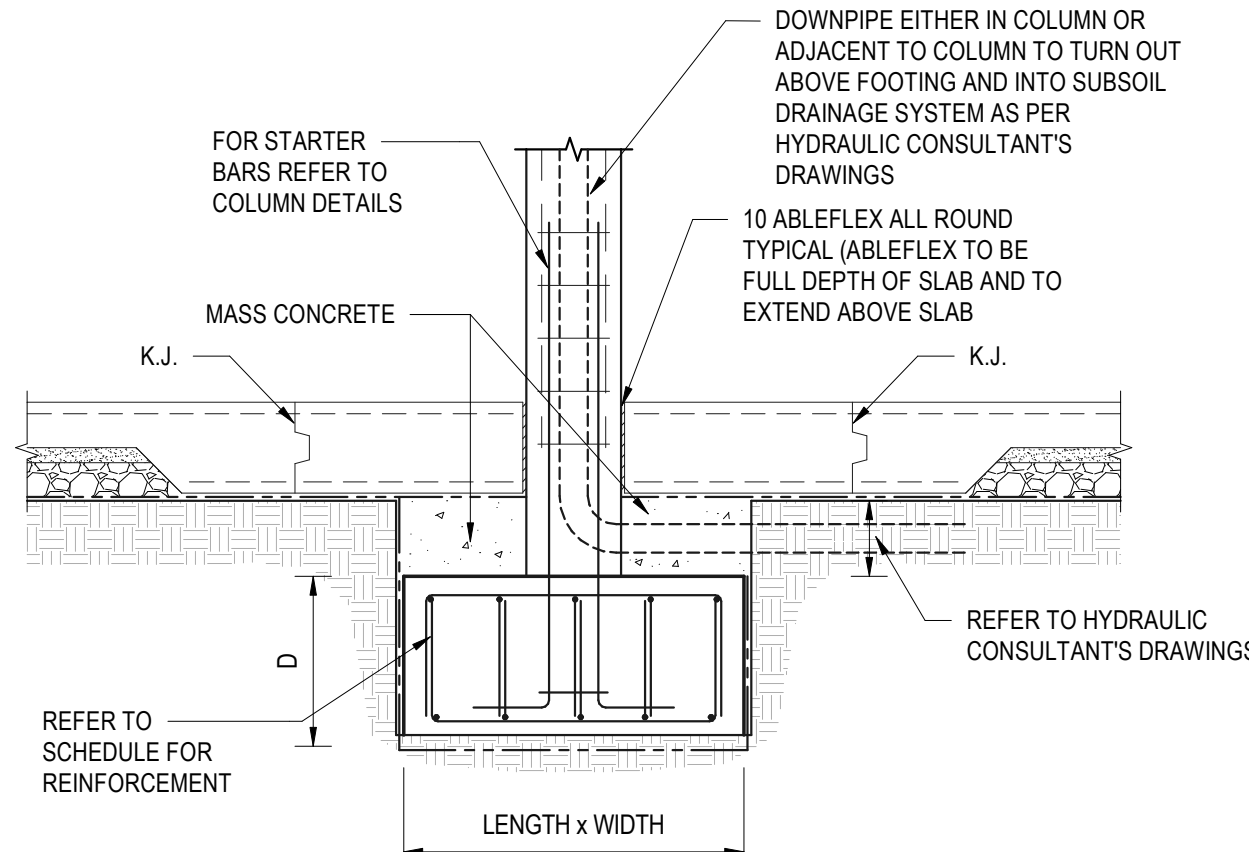
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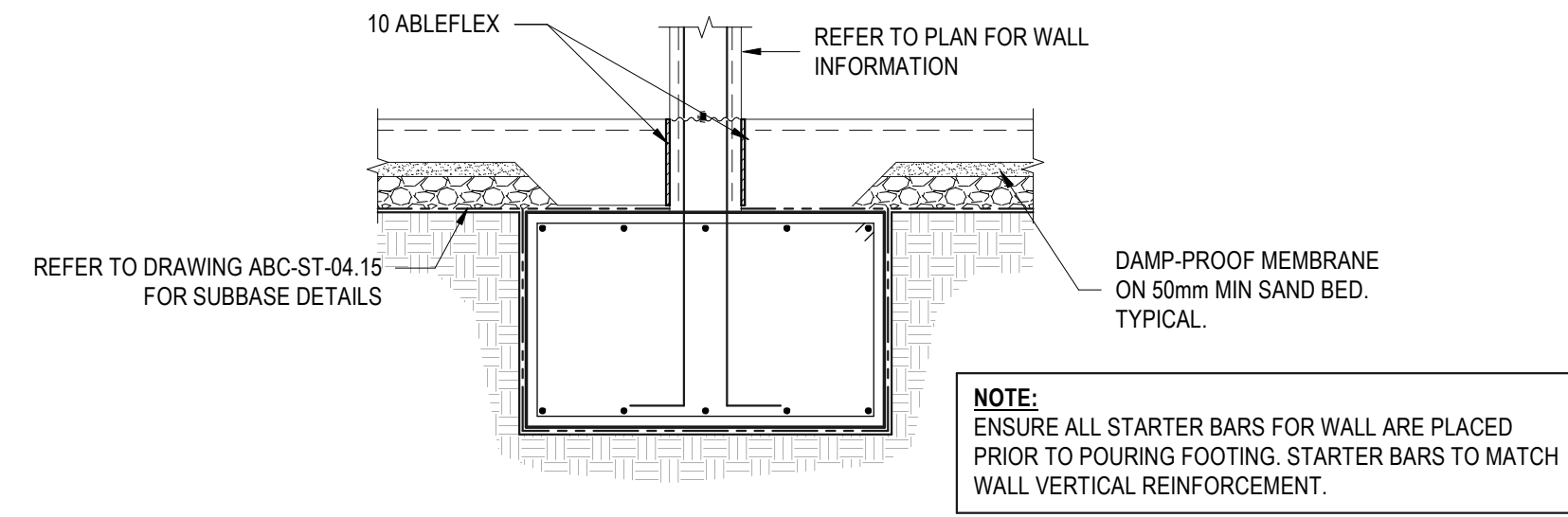
TYPICAL COLUMN PAD FOOTING DETAIL

SCALE 1 : 20

★ PROVIDED SPOON TESTING OF 50% OF FOOTINGS IS UNDERTAKEN AS PER GEOTECHNICAL ENGINEER'S REQUIREMENTS



TYPICAL PAD FOOTING SECTION VIEW WITH DOWNPIPE PRESENT

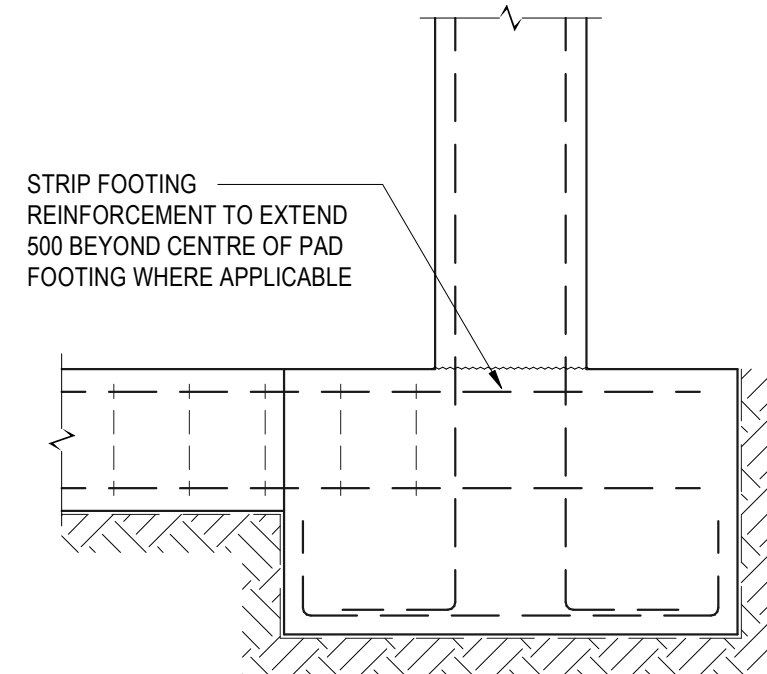


TYPICAL STRIP FOOTING 'SF' DETAIL

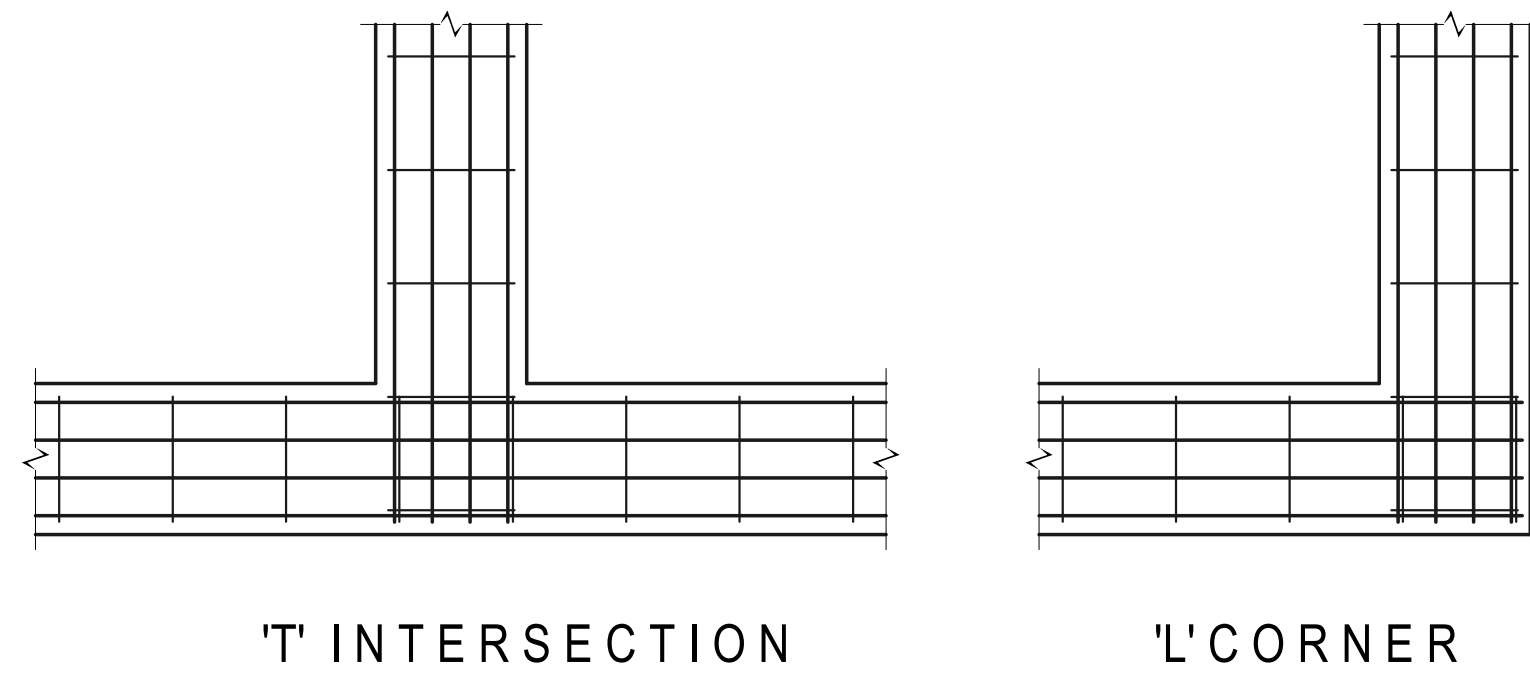
SCALE 1 : 20

STRIP FOOTING SCHEDULE				
MARK	WIDTH	DEPTH	TOP&BTM REO	TIES
SF1	1400	1200	7N20 TOP & BTM	N16-200 TIES

PAD FOOTING SCHEDULE FOR 3000 kPa							PAD FOOTING SCHEDULE FOR 6000 kPa						
MARK	LENGTH	WIDTH	DEPTH	'X' BARS	'Y' BARS	CONCRETE STRENGTH f _c	LENGTH	WIDTH	DEPTH	'X' BARS	'Y' BARS	CONCRETE STRENGTH f _c	
PF1	1400	800	500	N20-300	N20-300	40 MPa	1200	600	400	N20-300	N20-300	40 MPa	
PF2	1800	1200	600	N20-300	N20-300	40 MPa	1500	900	600	N20-300	N20-300	40 MPa	
PF3	2800	2200	1200	N24-200	N24-200	40 MPa	1800	1200	800	N24-250	N24-250	40 MPa	
PF4	3000	2200	1000	N28-250	N28-250	40 MPa	2200	1600	800	N24-200	N24-200	40 MPa	
PF5	2700	2500	1200	N28-250	N28-250	40 MPa	2000	1800	800	N28-200	N28-200	40 MPa	
PF6	2800	2600	1400	N28-200	N28-200	40 MPa	2200	2000	1000	N28-200	N28-200	40 MPa	
PF7	3200	3000	1400	N28-150	N28-150	40 MPa	2200	2000	1000	N28-150	N28-150	40 MPa	
PF8	2800	2300	1000	N28-250	N28-250	40 MPa	2100	1600	800	N24-300	N24-300	40 MPa	
PF9	3000	1900	1000	N28-250	N28-250	40 MPa	2400	1300	800	N28-300	N28-300	40 MPa	
PF10	3600	2000	1200	N28-250	N28-250	40 MPa	2900	1400	800	N28-250	N28-250	40 MPa	
PF11	3200	3200	1400	N28-150	N28-150	40 MPa	2300	2300	1000	N28-200	N28-200	40 MPa	
PF12	3700	2600	1400	N28-200	N28-200	40 MPa	2900	1800	1000	N28-200	N28-200	40 MPa	
PF13	3500	1800	1500	N28-150	N28-150	40 MPa	3000	1500	1500	N28-200	N28-200	40 MPa	
PF14	2000	1200	1000	N28-250	N28-250	40 MPa	1800	1000	1000	N28-250	N28-250	40 MPa	
PF15	5500	1000	900	N24-200	N24-200	40 MPa	5500	1000	900	N24-200	N24-200	40 MPa	
PF16	5400	2500	1200	N28-250	N28-250	40 MPa	4600	1800	800	N28-200	N28-200	40 MPa	

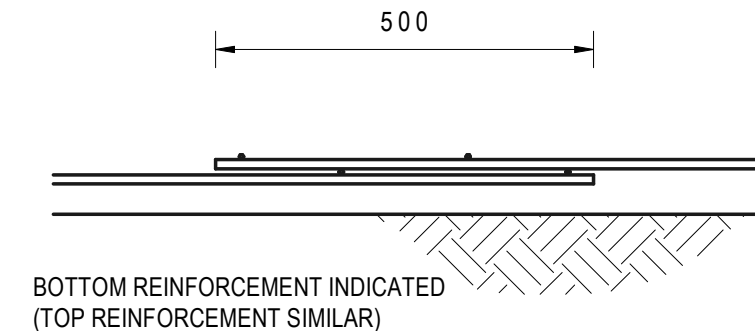


STRIP / PAD FOOTING JUNCTION

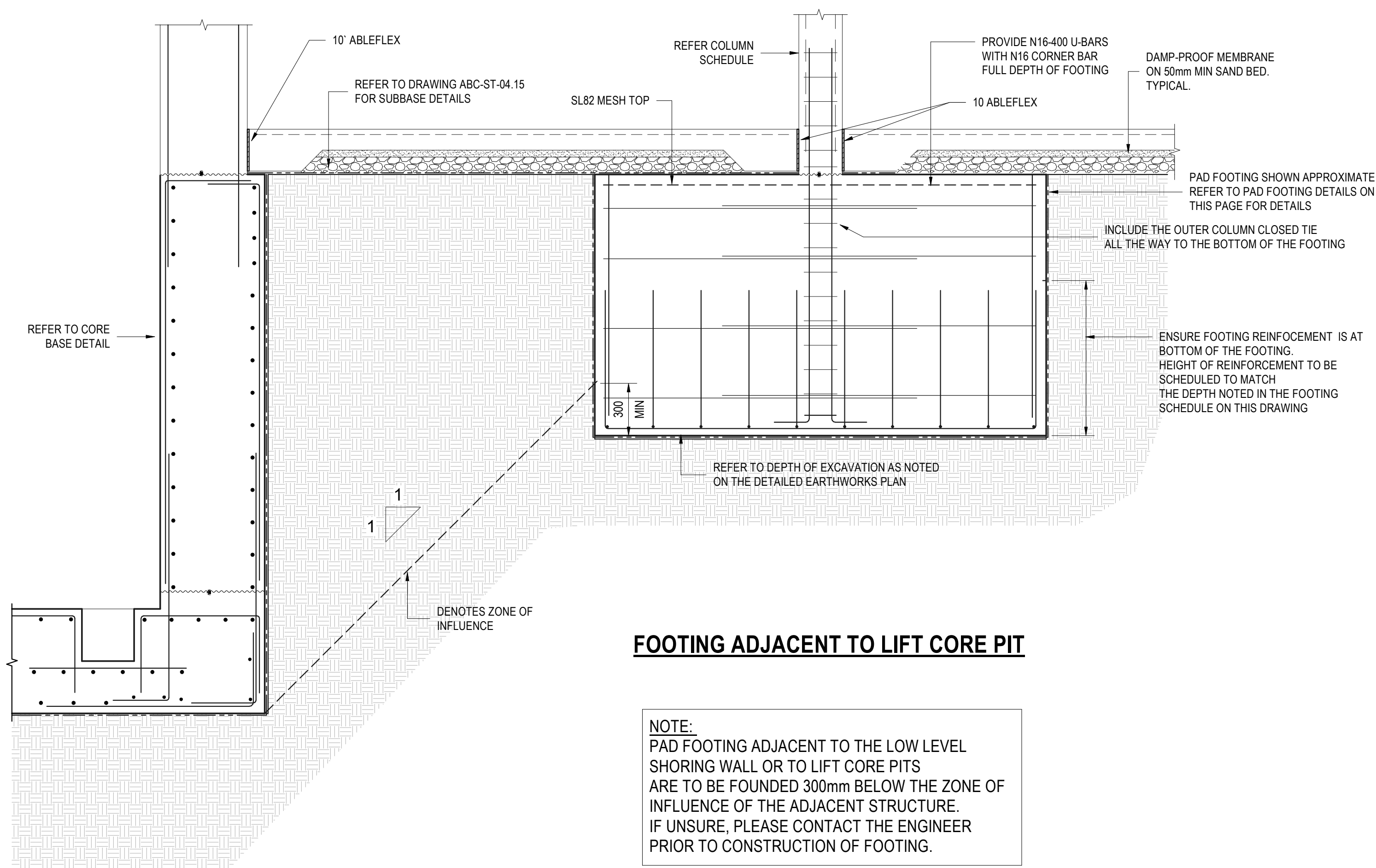


NOTE: EACH LAYER OF TRENCH MESH IS TO BE MADE 'CONTINUOUS' BY LAPPING WHERE REQUIRED AS FOLLOWS -
- AT 'T' INTERSECTIONS AND 'L' INTERSECTIONS - FOR THE FULL WIDTH OF THE TRENCH MESH
- AT 'L' CORNERS - FOR FULL WIDTH OF TRENCH MESH
- AT SPLICES WHERE NEEDED - 500mm MINIMUM

PLAN VIEWS - STRIP FOOTINGS

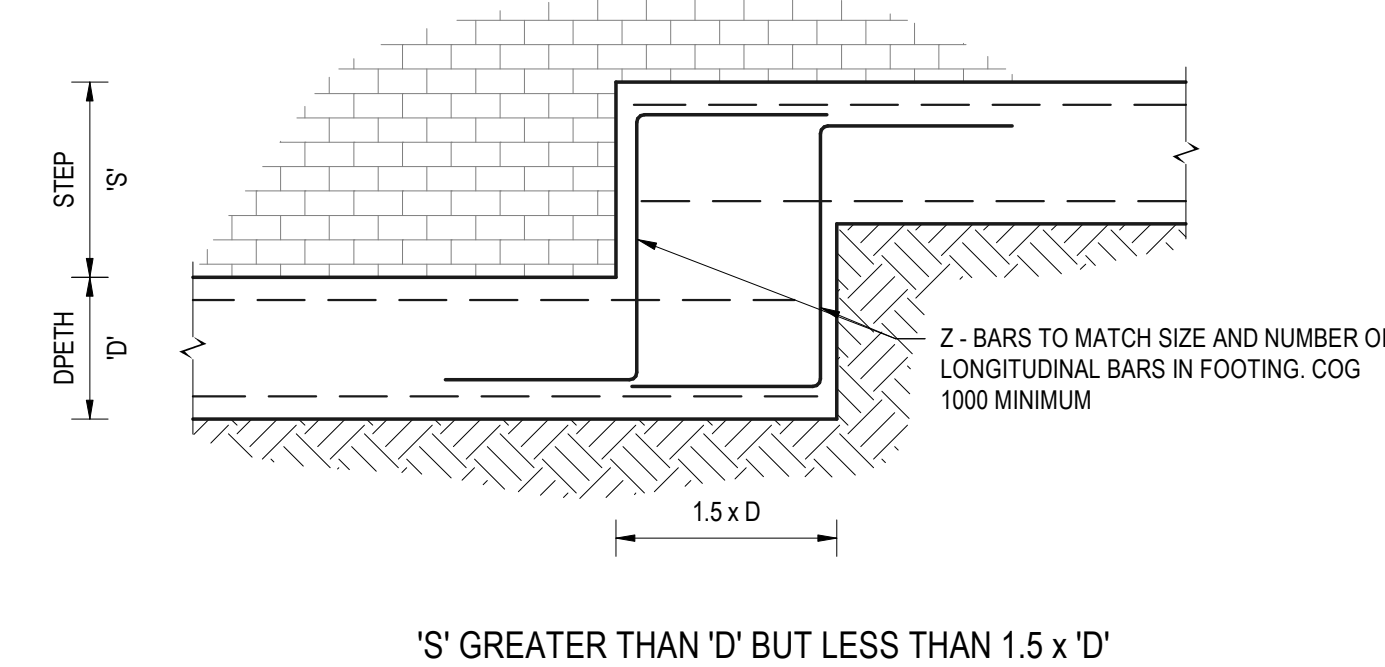
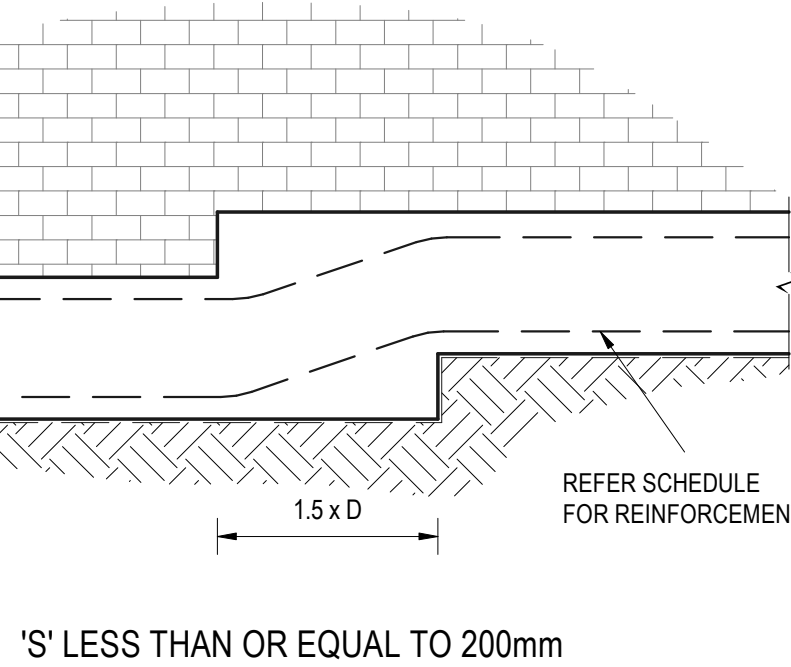


REINFORCEMENT SPLICE DETAIL

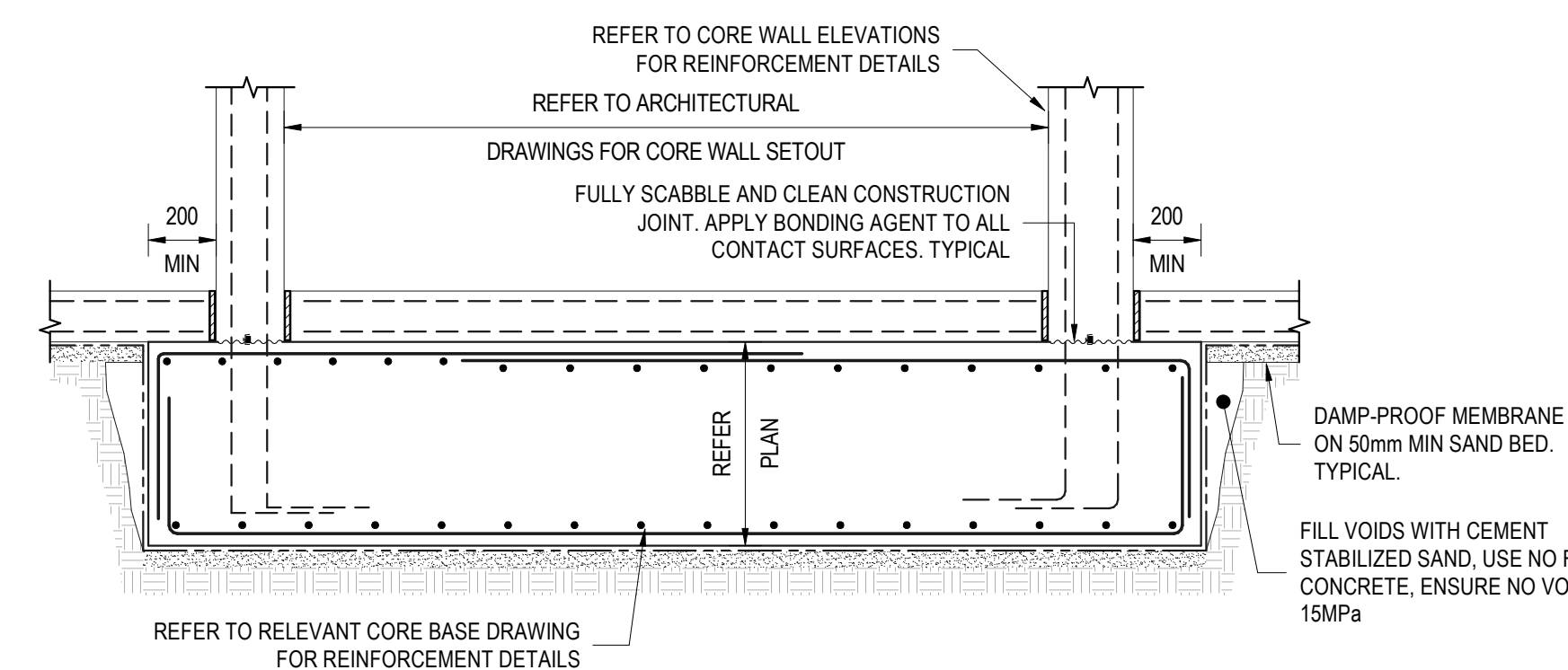


FOOTING ADJACENT TO LIFT CORE PIT

NOTE: PAD FOOTING ADJACENT TO THE LOW LEVEL SHORING WALL OR TO LIFT CORE PITS ARE TO BE FOUNDED 300mm BELOW THE ZONE OF INFLUENCE OF THE ADJACENT STRUCTURE. IF UNSURE, PLEASE CONTACT THE ENGINEER PRIOR TO CONSTRUCTION OF FOOTING.



STRIP FOOTING STEPPING DETAILS



NOTE: 1. ENSURE ALL STARTER BARS FOR WALLS ARE PLACED PRIOR TO POURING CONCRETE. 2. REFER TO FOUNDATION NOTES FOR BEARING MATERIAL AND MINIMUM BEARING PRESSURE.

TYPICAL STAIR BASE DETAIL

1:20

PRELIMINARY ISSUE

NOTE: DO NOT SCALE OFF DRAWINGS. REFER TO ARCHITECTURAL PLANS. VERIFY DIMENSIONS ON SITE.

P5	19.05.25	ISSUED FOR PRELIMINARY INFORMATION	KPK
P4	07.03.25	ISSUED FOR PRELIMINARY INFORMATION	SF
P3	20.12.24	ISSUED FOR PRELIMINARY INFORMATION	SF
P2	05.09.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
P1	22.05.23	ISSUED FOR PRELIMINARY INFORMATION	RCL
REV	DATE	REVISION DESCRIPTION	BY

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CLIENT



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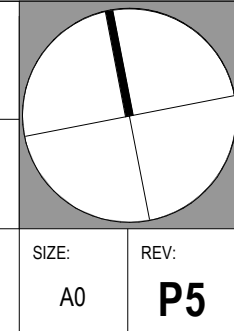
PROJECT: **FIVEWAYS CROWS NEST**
391/423 PACIFIC HIGHWAY CROWS NEST NSW 2065

TITLE: **TYPICAL FOUNDATION DETAILS**

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DATE: **June 2024**
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