

LEGEND

- DENOTES NEW BUILDING WORKS
- DENOTES EXISTING BUILDING ENVELOPE
- DENOTES NEW 30mm AC10 ASPHALT ON 75mm THICK COMPACTED CRUSHED ROCK BASE-COURSE AND 150mm THICK COMPACTED LIMESTONE SUB BASE-COURSE
- DENOTES CONCRETE PAVING. REFER S1.01 FOR DETAILS
- DENOTES 250mm SEMI MOUNTABLE KERB
- DENOTES 310mm WIDE MOUNTABLE KERB
- DENOTES 300mm WIDE FLUSH KERB
- DENOTES TRANSITION KERB
- DENOTES EXISTING KERB
- DENOTES FINISHED FLOOR LEVEL
- DENOTES FINISHED GROUND LEVEL
- DENOTES TOP OF RETAINING WALL LEVEL
- DENOTES Ø150 PVC STORMWATER PIPE AT 1:200 GRADE
- DENOTES FINISHED SEALED PAVEMENT OR FINISHED SURFACE LEVEL
- DENOTES Ø1800 x 1800 DEEP PRECAST SOAKWELL WITH PRECAST LID AND 600 x 600 RAISED (100mm HIGH) GULLY GRATE AND PRECAST BASE WITH Ø1200 HOLE.
- DENOTES Ø1800 x 1800 DEEP PRECAST SOAKWELL WITH PRECAST LID AND PRECAST BASE WITH Ø1200 HOLE.
- DENOTES NEW BOLLARD TO AS 2890.6
- DENOTES NEW DOWNPIPE
- DENOTES NEW WHEEL STOP TO AS 2890.1
- DENOTES EXISTING GROUND CONTOUR

STORMWATER DRAINAGE DESIGN SUMMARY

BUILDING 1

IMPERVIOUS AREA:

BUILDING & ROOF AREA = 539m² APPROX.

HARDSTANDS & PAVING = 171m² APPROX.

CARPARK AREA = 336m² APPROX.

TOTAL AREA = 1046m² APPROX.

CO-EFFICIENT OF RUNOFF = 0.9

REQUIRED ON-SITE STORAGE:

BUILDING & ROOF AREA: 539 x 0.9 / 40 = 12.13m³ APPROX.

HARDSTANDS & PAVING: 171 x 0.9 / 40 = 3.85m³ APPROX.

CARPARK AREA: 336 x 0.9 / 40 = 7.56m³ APPROX.

TOTAL ON SITE STORAGE REQUIRED = 23.54m³ APPROX.

STORAGE CAPACITY PROVIDED:

SOAKWELLS: 6 x 1800Ø x 1800 DEEP = 27.48m³ APPROX.

NOTE: OVERFLOW PATH PROVIDED FOR 1 IN 100 STORM EVENT TO CROSSOVER

REV No	DATE	DESCRIPTION	BY	APPR.
2	12.12.24	ISSUED FOR DEVELOPMENT APPROVAL	J.V.	P.T.
1	11.12.24	ISSUED FOR REVIEW	J.V.	P.T.

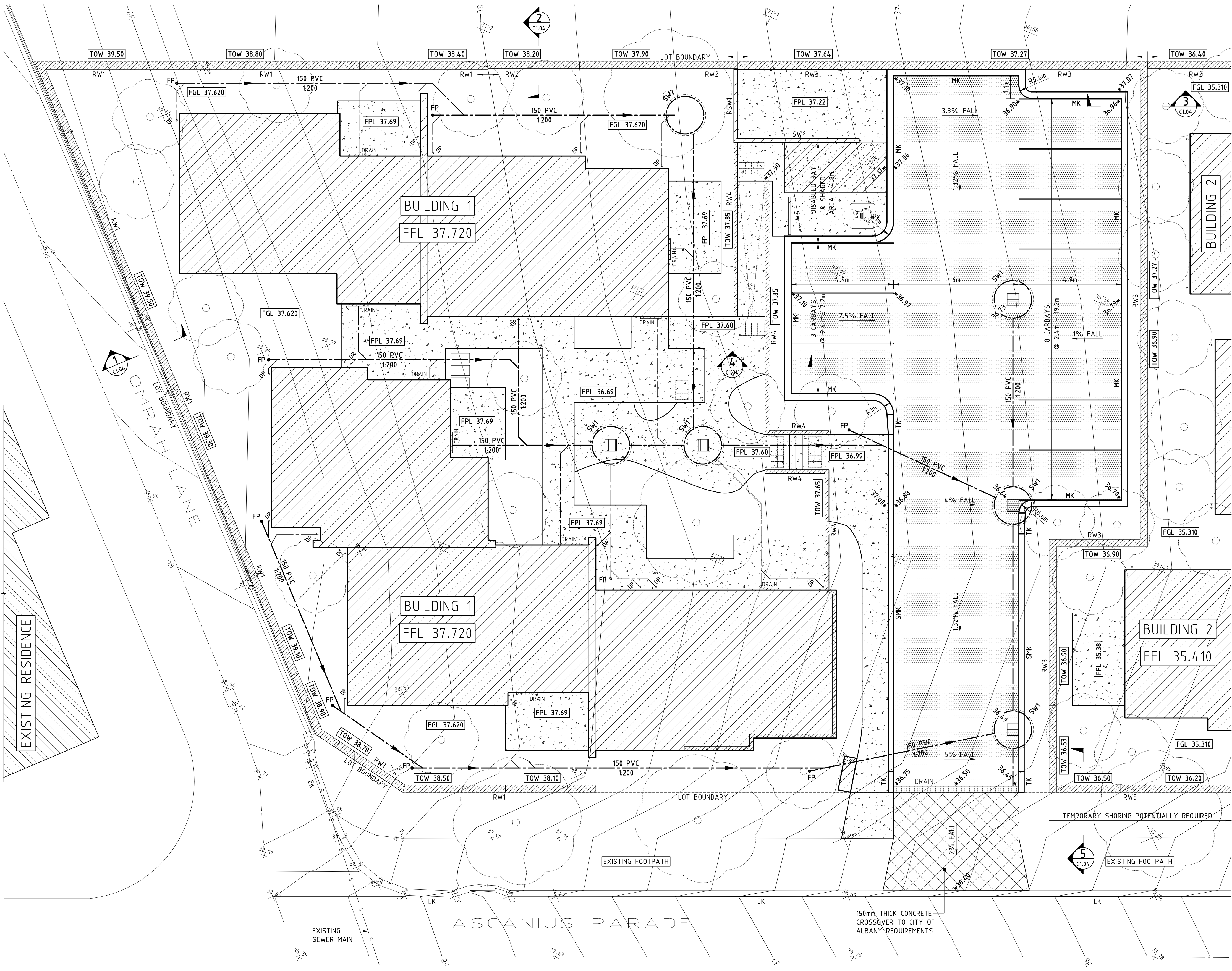


CLIENT: H+H ARCHITECTS

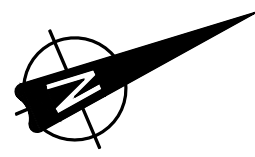
PROJECT: SOCIAL HOUSING DEVELOPMENT BAYONET HEAD, ALBANY

TITLE: SITEMWORKS AND CARPARK LAYOUT PART PLAN 1

DESIGNED: P.T.	DATE: SEP 2024	PROJECT No: 15540
DRAWN: J.V.	SCALE: 1:100	DRAWING No: C1.01
CHECKED:	CAD REF: J.V. 15540C1.01.dwg	REVISION No: 2
APPROVED:	THIS DRAWING SHALL BE CONSIDERED FOR REFERENCE PURPOSES ONLY AND NOT FOR CONSTRUCTION UNLESS APPROVED.	



SITEMWORKS AND CARPARK LAYOUT PART PLAN 1 1:100



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- DENOTES 250mm SEMI MOUNTABLE KERB
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- DENOTES NEW WHEEL STOP TO AS 2890.1
- DENOTES EXISTING GROUND CONTOUR

STORMWATER DRAINAGE DESIGN SUMMARY

BUILDING 2
IMPERVIOUS AREA:
BUILDING & ROOF AREA = 613m² APPROX.
HARDSTANDS & PAVING = 175m² APPROX.
CARPARK AREA = 371m² APPROX.

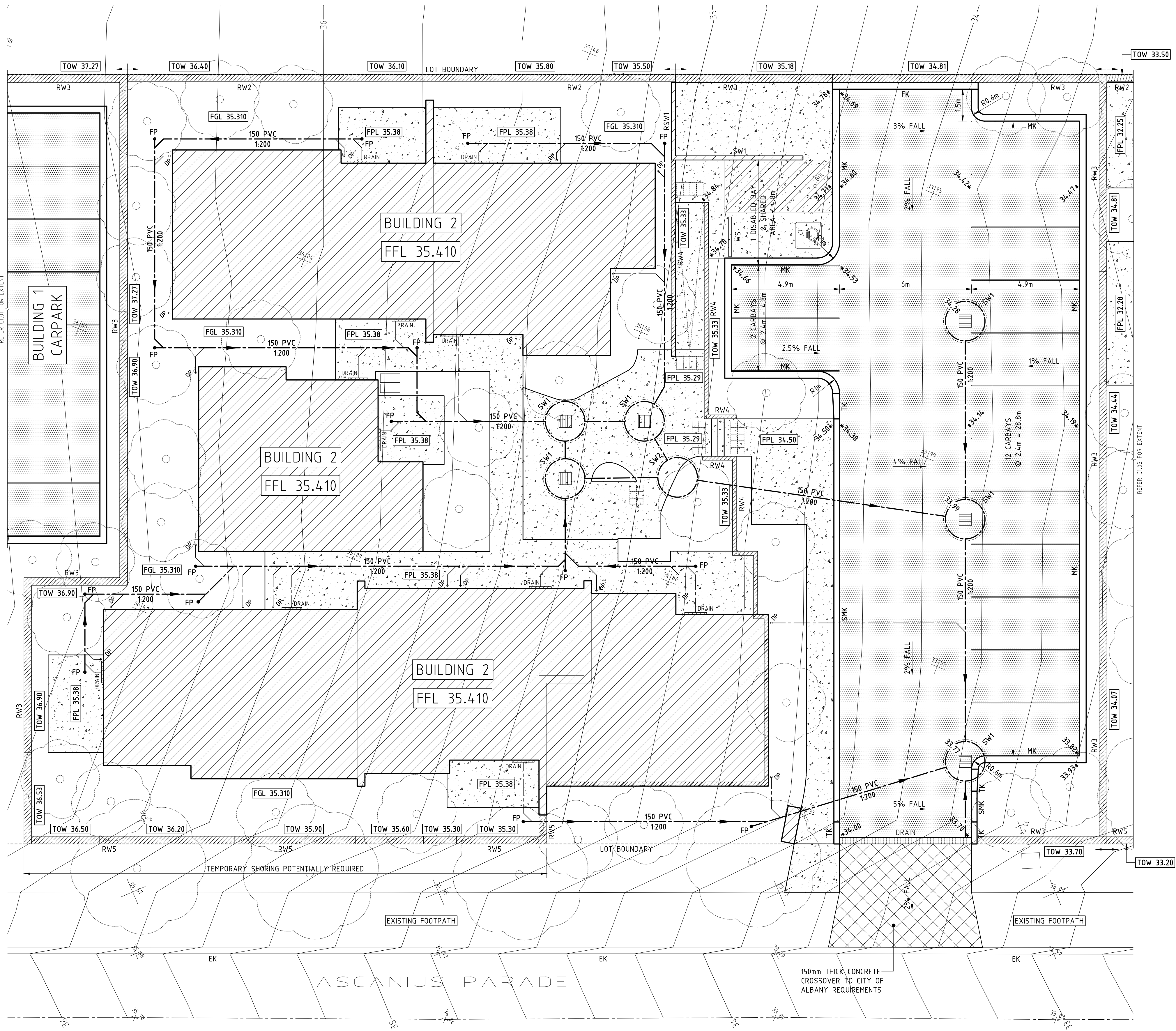
TOTAL AREA = 1159m² APPROX.
CO-EFFICIENT OF RUNOFF = 0.9

REQUIRED ON-SITE STORAGE:
BUILDING & ROOF AREA: 613 x 0.9 / 4.0 = 13.79m³ APPROX.
HARDSTANDS & PAVING: 175 x 0.9 / 4.0 = 3.94m³ APPROX.
CARPARK AREA: 371 x 0.9 / 4.0 = 8.35m³ APPROX.

TOTAL ON SITE STORAGE REQUIRED = 26.08m³ APPROX.

STORAGE CAPACITY PROVIDED:
SOAKWELLS: 7 x 1800Ø x 1800 DEEP = 32.06m³ APPROX.

NOTE: OVERFLOW PATH PROVIDED FOR 1 IN 100 STORM EVENT TO CROSSOVER

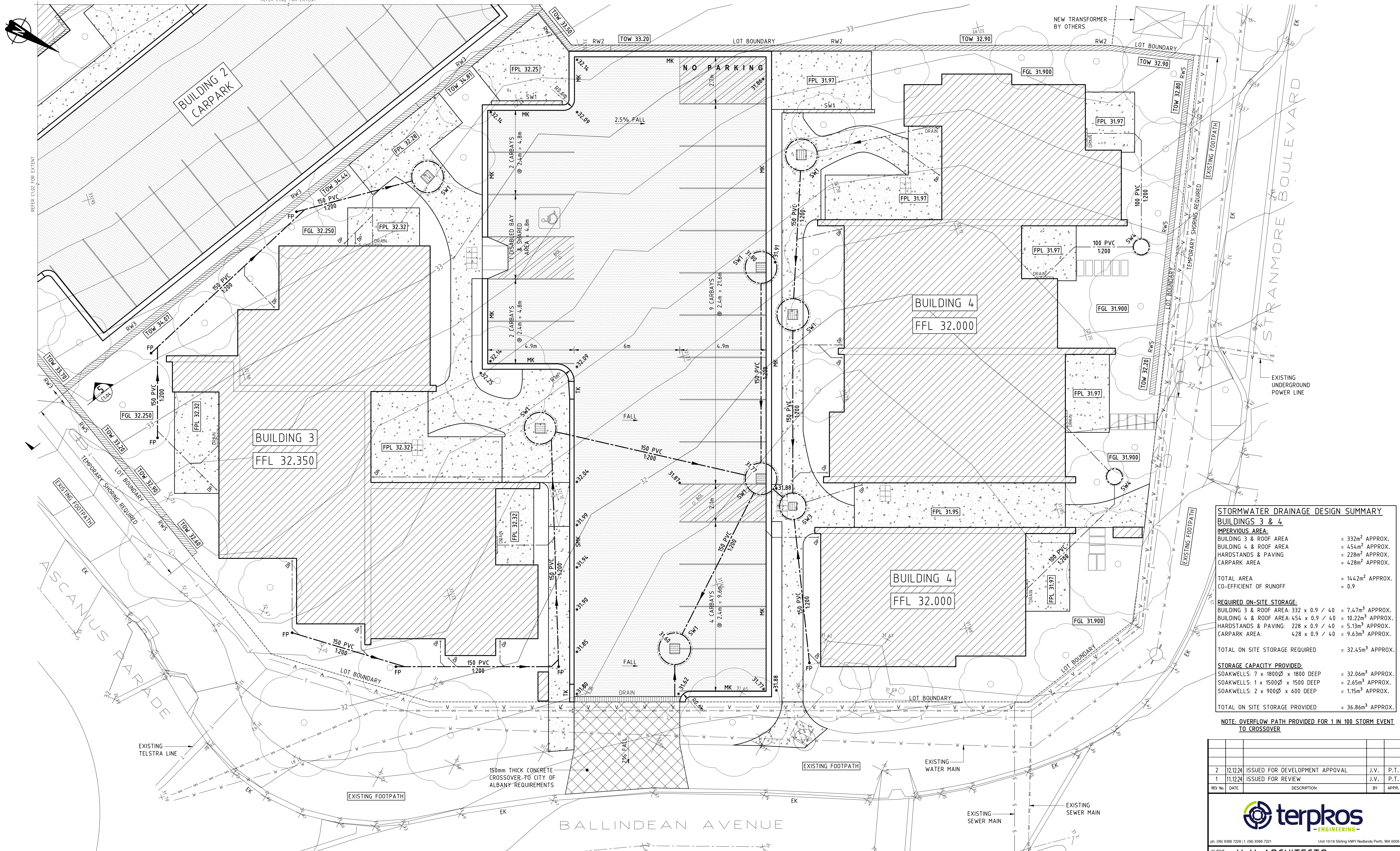


SITWORKS AND CARPARK LAYOUT PART PLAN 2 1:100

REV No	DATE	DESCRIPTION	BY	APPR.
2	12.12.24	ISSUED FOR DEVELOPMENT APPROVAL	J.V.	P.T.
1	11.12.24	ISSUED FOR REVIEW	J.V.	P.T.

p.l. (08) 9389 7226 f. (08) 9389 7221 Unit 10/18 Stirling HWY Nedlands Perth, WA 6009			
CLIENT:	H+H ARCHITECTS		
PROJECT:	SOCIAL HOUSING DEVELOPMENT BAYONET HEAD, ALBANY		
TITLE:	SITWORKS AND CARPARK LAYOUT PART PLAN 2		
DESIGNED:	P.T.	DATE:	SEP 2024
DRAWN:	J.V.	SCALE:	1:100
CHECKED:		CAD REF:	J.V. 155500101.dwg
APPROVED:		REVISION No:	2
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REFER C1.02 FOR EXTENT



STORMWATER DRAINAGE DESIGN SUMMARY	
BUILDINGS 3 & 4	
IMPERVIOUS AREA:	
BUILDING 3 & ROOF AREA	= 332m ² APPROX.
BUILDING 4 & ROOF AREA	= 454m ² APPROX.
HARDSTANDS & PAVING	= 228m ² APPROX.
CARPARK AREA	= 428m ² APPROX.
TOTAL AREA	= 1442m ² APPROX.
CO-EFFICIENT OF RUNOFF	= 0.9
REQUIRED ON-SITE STORAGE:	
BUILDING 3 & ROOF AREA: 332 x 0.9 / 40	= 7.47m ³ APPROX.
BUILDING 4 & ROOF AREA: 454 x 0.9 / 40	= 10.22m ³ APPROX.
HARDSTANDS & PAVING: 228 x 0.9 / 40	= 5.13m ³ APPROX.
CARPARK AREA: 428 x 0.9 / 40	= 9.63m ³ APPROX.
TOTAL ON SITE STORAGE REQUIRED	= 32.45m ³ APPROX.
STORAGE CAPACITY PROVIDED:	
SOAKWELLS: 7 x 1800Ø x 1800 DEEP	= 32.06m ³ APPROX.
SOAKWELLS: 1 x 1500Ø x 1500 DEEP	= 2.65m ³ APPROX.
SOAKWELLS: 2 x 900Ø x 600 DEEP	= 1.15m ³ APPROX.
TOTAL ON SITE STORAGE PROVIDED	= 36.86m ³ APPROX.
NOTE: OVERFLOW PATH PROVIDED FOR 1 IN 100 STORM EVENT TO CROSSOVER	

SITWORKS AND CARPARK LAYOUT PART PLAN 3 1:100


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- DENOTES CONCRETE PAVING. REFER S1.01 FOR DETAILS

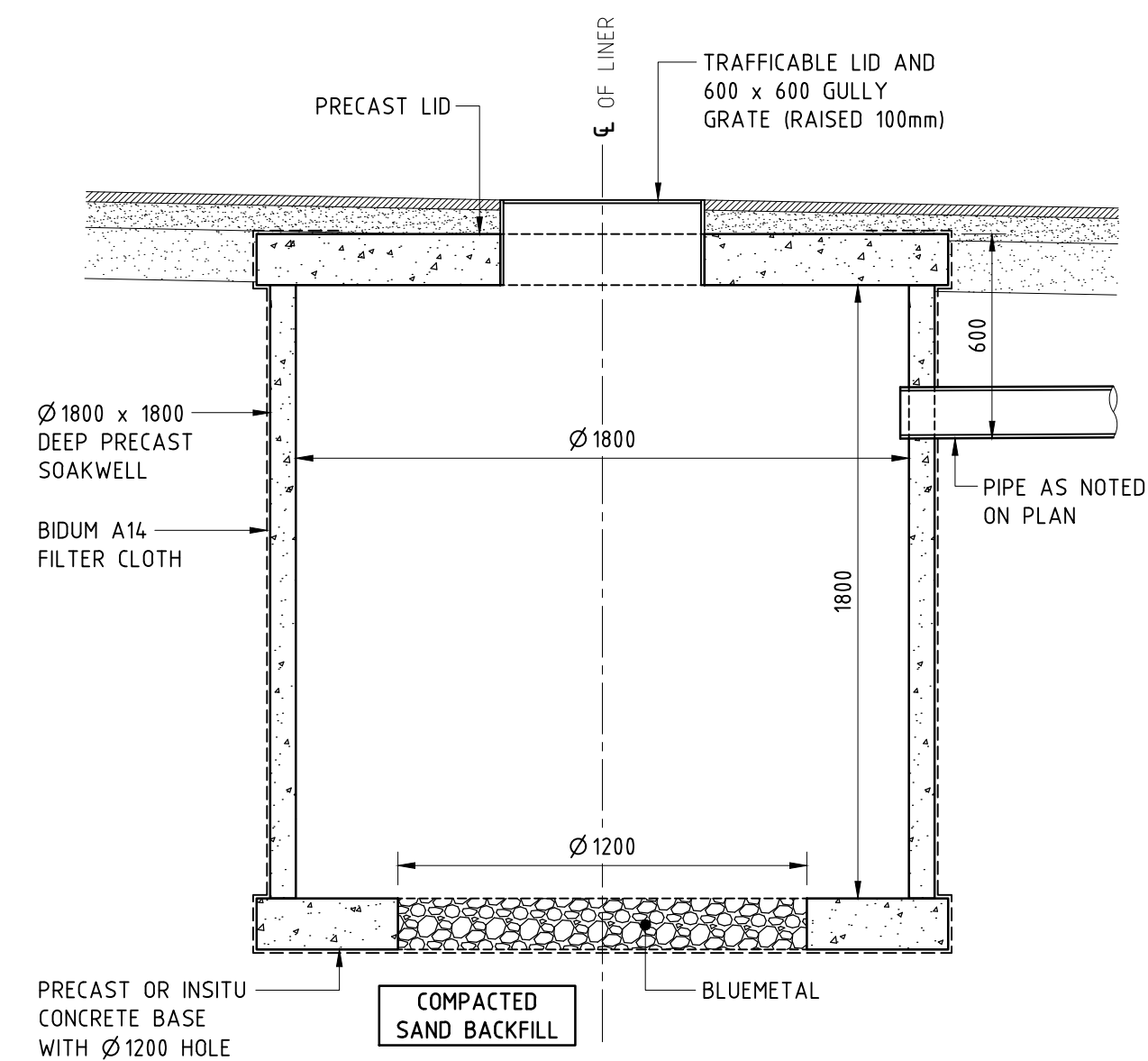
- SMK DENOTES 250mm SEMI MOUNTABLE KERB
- MK DENOTES 310mm WIDE MOUNTABLE KERB
- FK DENOTES 300mm WIDE FLUSH KERB
- TK DENOTES TRANSITION KERB
- EK DENOTES EXISTING KERB
- DENOTES EXISTING GROUND CONTOUR

- FPL 32.350 DENOTES FINISHED FLOOR LEVEL
- FGL 32.250 DENOTES FINISHED GROUND LEVEL
- TOW 35.10 DENOTES TOP OF RETAINING WALL LEVEL
- Ø100 DENOTES NEW BOLLARD TO AS 2890.6
- Ø100 DENOTES NEW DOWNPIPE
- SW1 DENOTES Ø1800 x 1800 DEEP PRECAST SOAKWELL WITH PRECAST LID AND 600 x 600 RAISED (100mm HIGH) GULLY GRATE AND PRECAST BASE WITH Ø1200 HOLE.

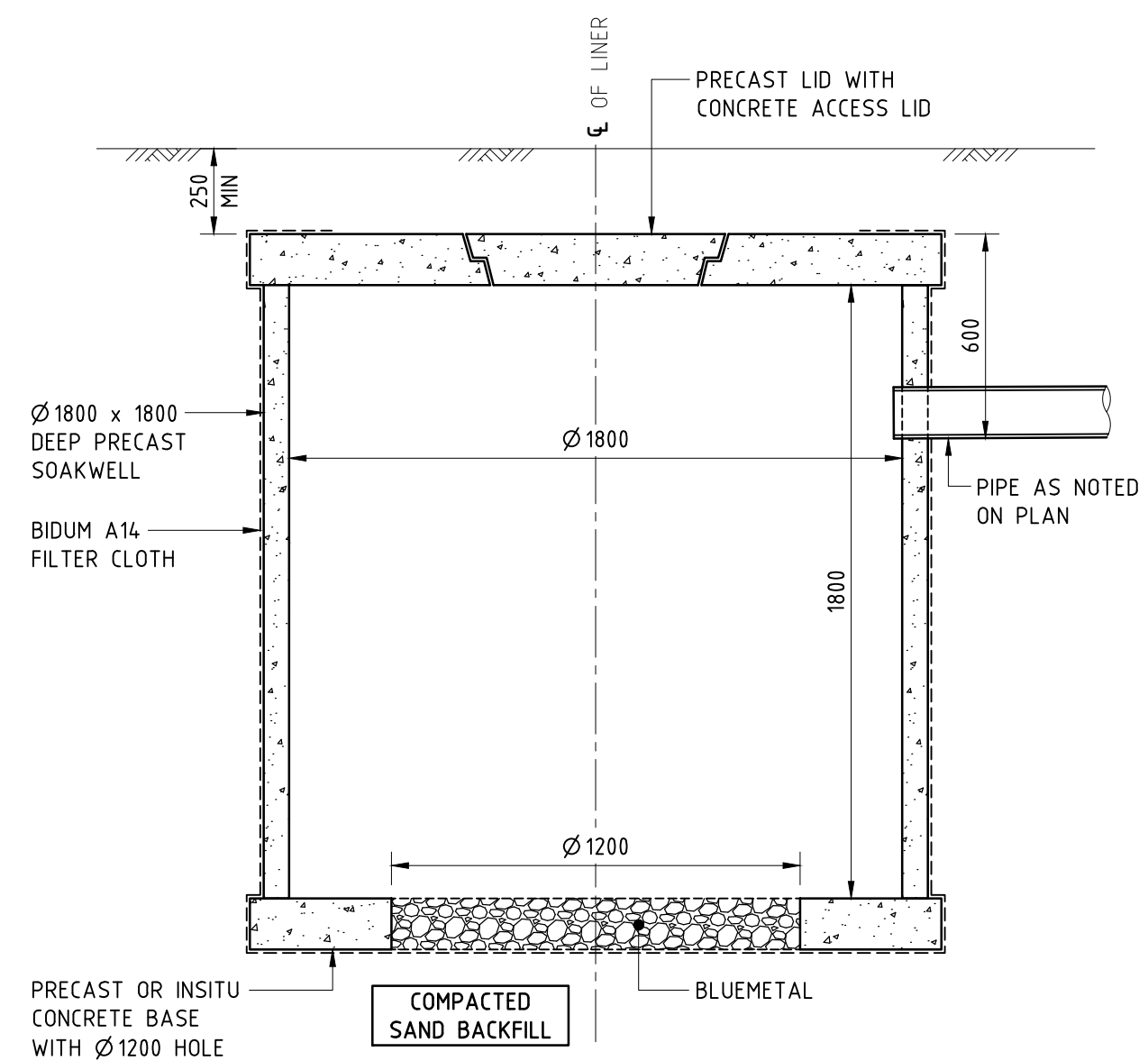
- SW2 DENOTES Ø1800 x 1800 DEEP PRECAST SOAKWELL WITH PRECAST LID AND PRECAST BASE WITH Ø1200 HOLE.
- SW3 DENOTES Ø1500 x 1500 DEEP PRECAST SOAKWELL WITH PRECAST LID AND 600 x 600 RAISED (100mm HIGH) GULLY GRATE AND PRECAST BASE WITH Ø900 HOLE.
- SW4 DENOTES Ø900 x 600 DEEP PRECAST SOAKWELL WITH PRECAST LID AND PRECAST BASE WITH Ø600 HOLE.

2	12.12.24	ISSUED FOR DEVELOPMENT APPROVAL		J.V.	P.T.
1	11.12.24	ISSUED FOR REVIEW		J.V.	P.T.
REV No.	DATE	DESCRIPTION		BY	APPR.
<div><div></div><div><div>terpkos</div><div>-ENGINEERING-</div></div></div>					
p.h: (08) 9389 7228 f: (08) 9389 7221 Unit 10/18 Stirling HWY Nedlands Perth, WA 6009					
CLIENT:		H+H ARCHITECTS			
PROJECT:		SOCIAL HOUSING DEVELOPMENT BAYONET HEAD, ALBANY			
TITLE:		SITEWORKS AND CARPARK LAYOUT PART PLAN 3			
DESIGNED: P.T.		DATE: SEP 2024		PROJECT No: 15540	
DRAWN: J.V.		SCALE: 1:100		DRAWING No: C1.03	
CHECKED:		CAD REF: J.V. 15540C1.03.dwg 12.12.24 - 3:38 PM		REVISION No: 2	
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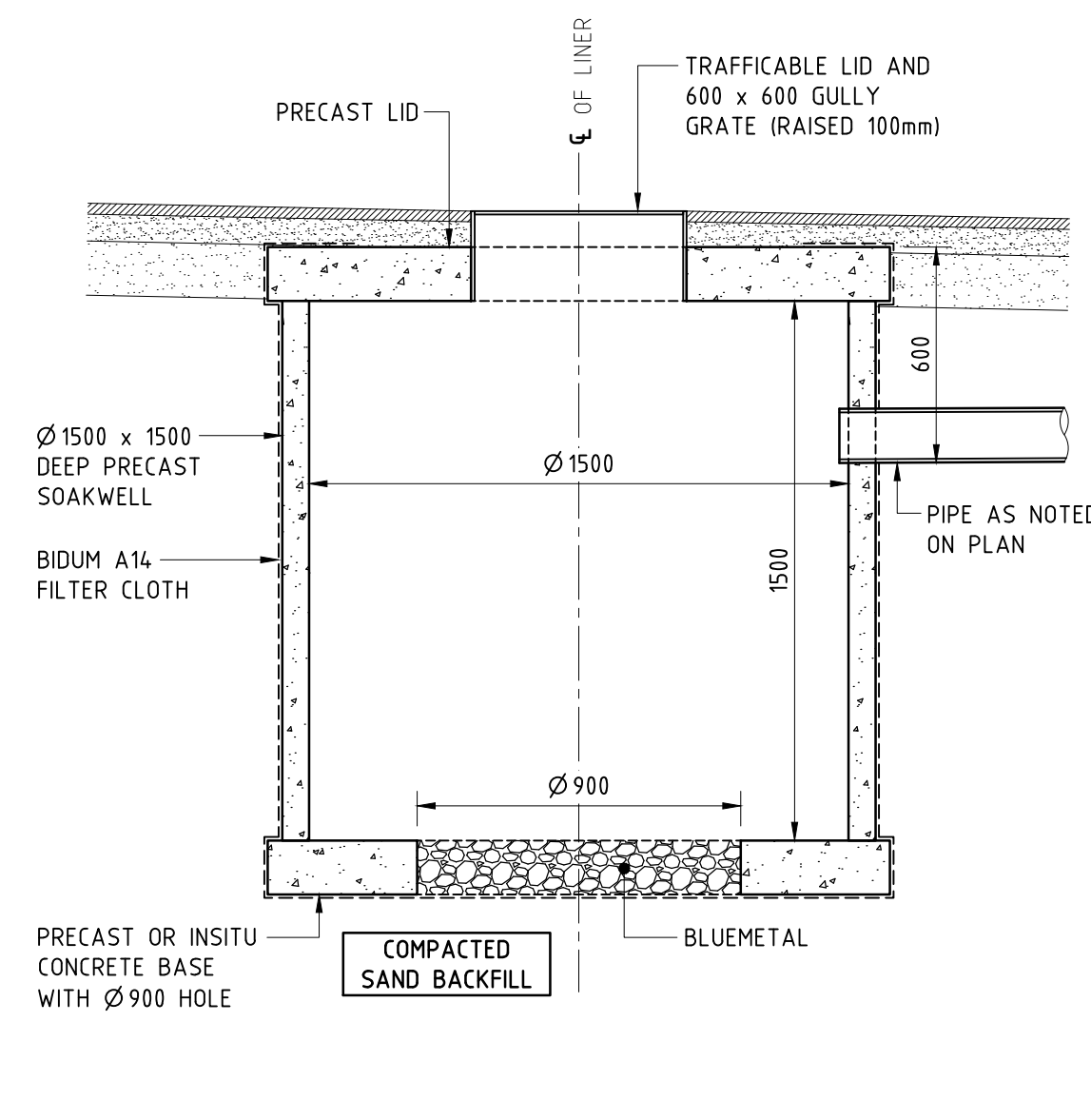
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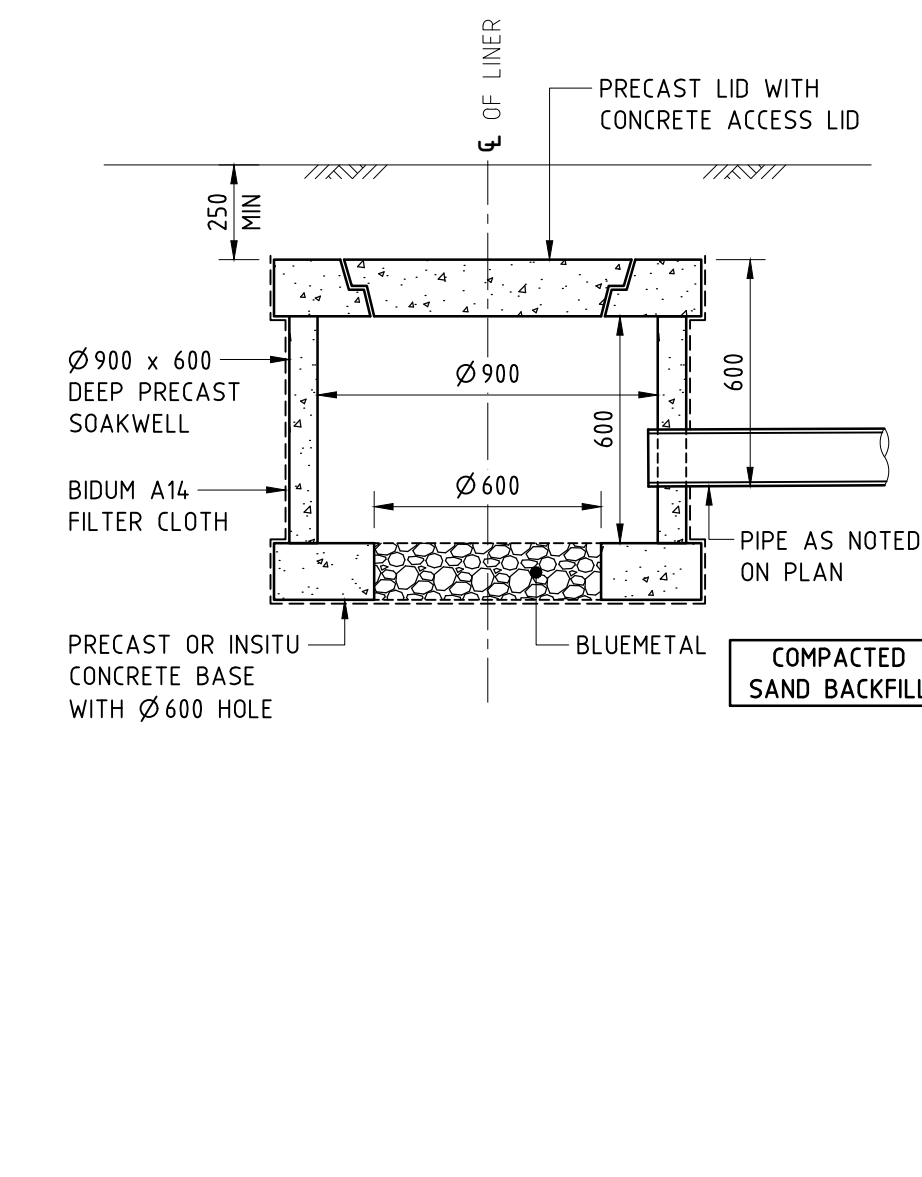
TYPICAL SOAKWELL WITH
TRAFFICABLE LID (SW1) 1:20



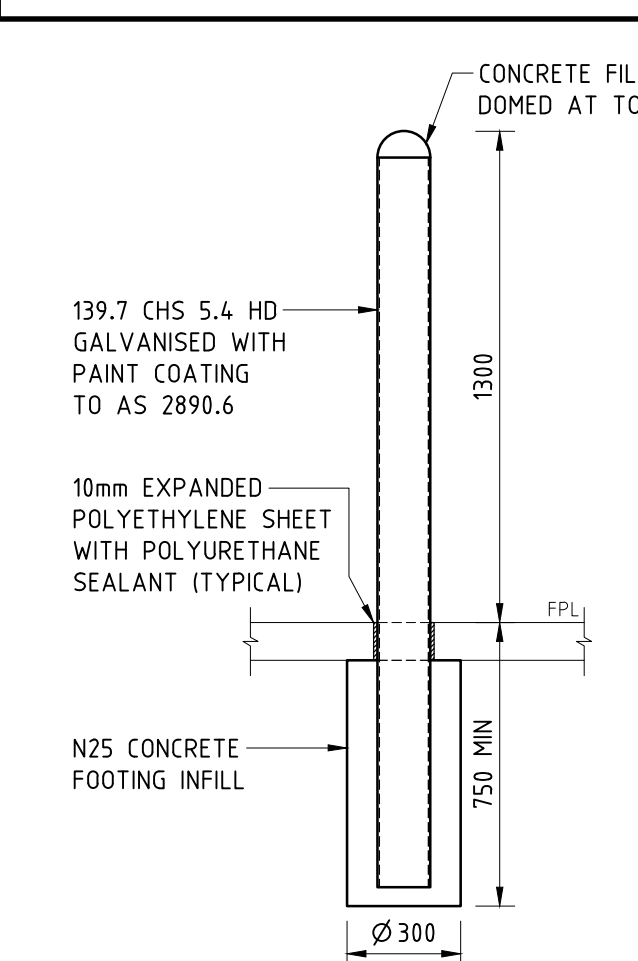
TYPICAL SOAKWELL WITH
TRAFFICABLE LID (SW2) 1:20



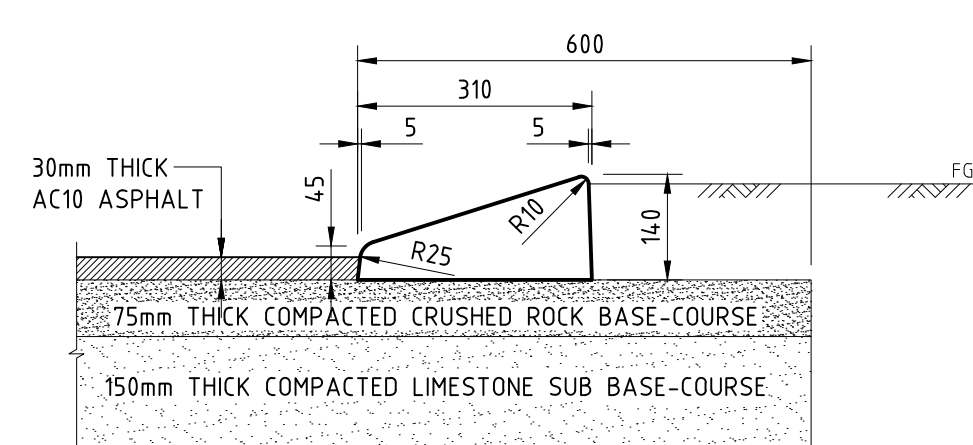
TYPICAL SOAKWELL WITH
TRAFFICABLE LID (SW3) 1:20



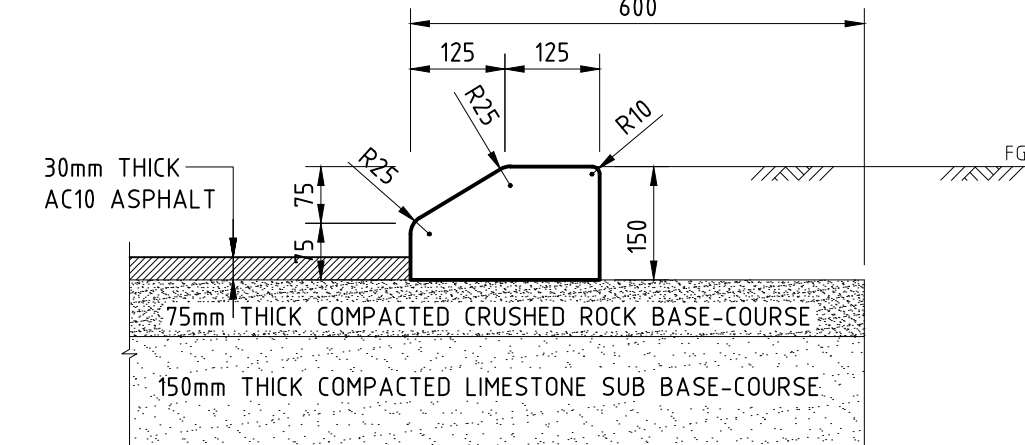
TYPICAL SOAKWELL WITH
TRAFFICABLE LID (SW4) 1:20



TYPICAL BOLLARD DETAIL 1:20



TYPICAL MOUNTABLE KERB (MK) DETAIL 1:10
 PROVIDE CONTRACTION JOINTS AT 2.5m MAX CRS.
 PROVIDE EXPANSION JOINTS AT 7.5m MAX CRS.
 CONCRETE GRADE TO BE N25

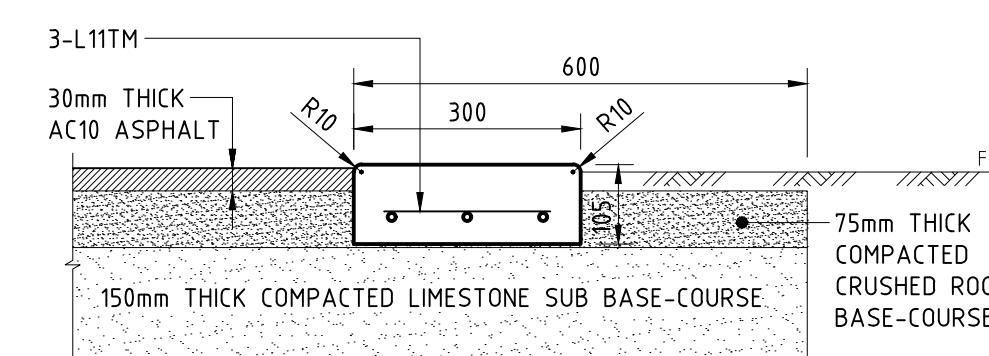


TYPICAL SEMI-MOUNTABLE KERB (SMK) DETAIL 1:10

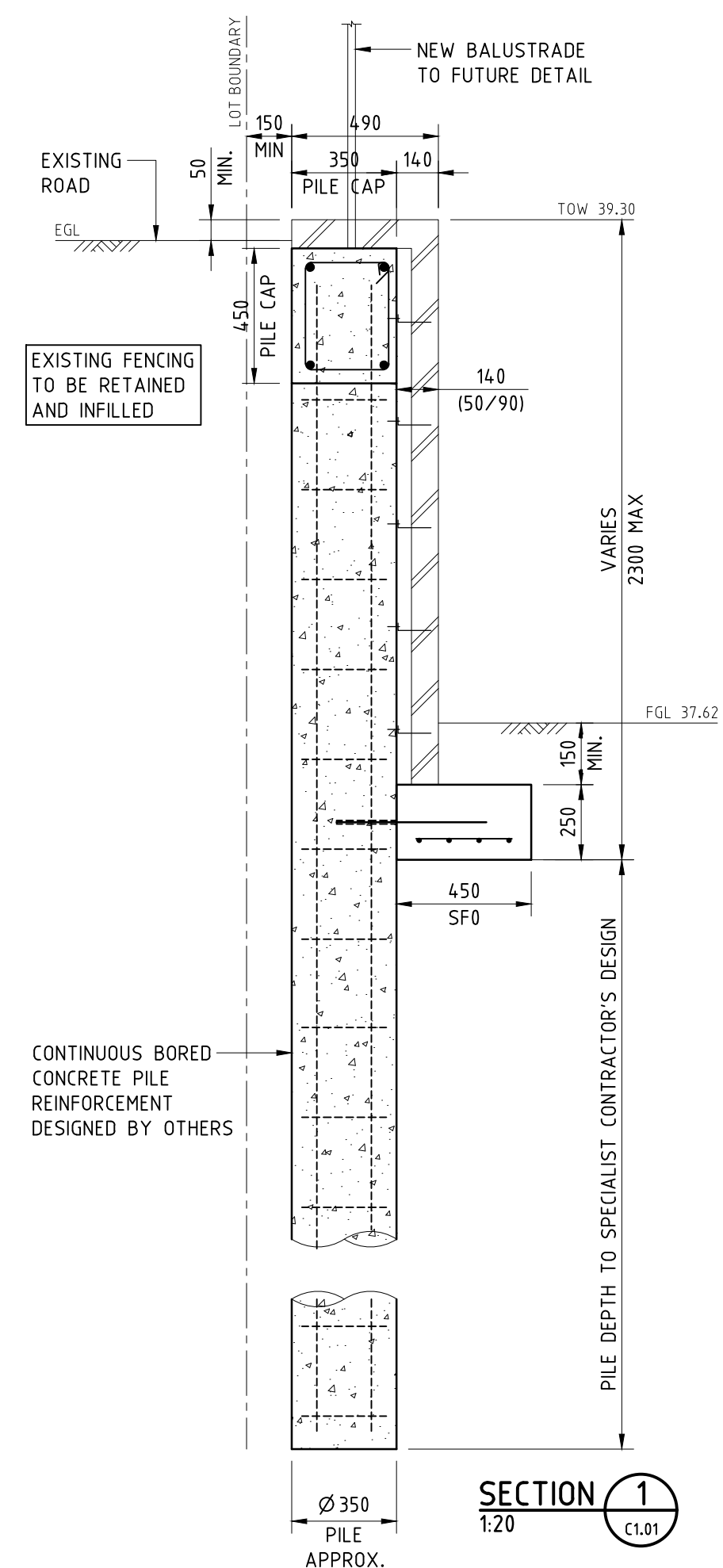
PROVIDE CONTRACTION JOINTS AT 2.5m MAX CRS.

PROVIDE EXPANSION JOINTS AT 7.5m MAX CRS.

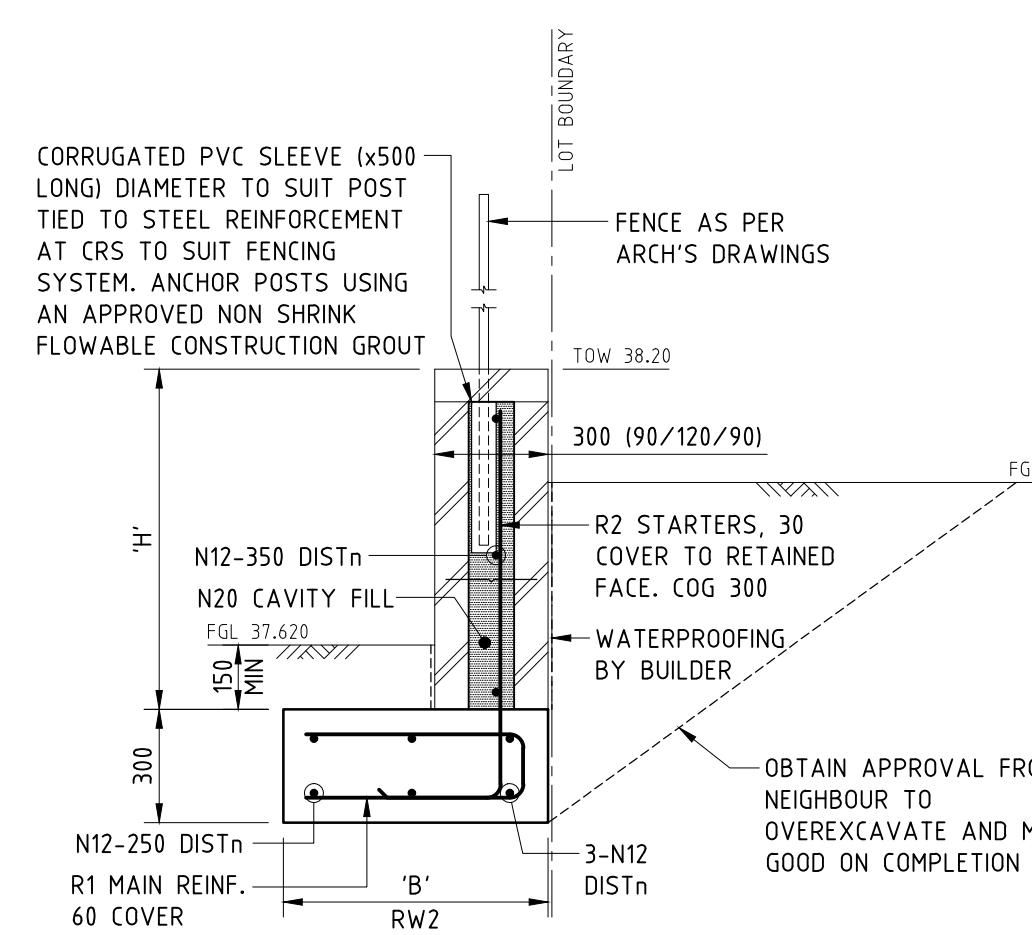
CONCRETE GRADE TO BE N25



TYPICAL FLUSH KERB (FK) DETAIL 1:10
 PROVIDE CONTRACTION JOINTS AT 2.5m MAX CRS.
 PROVIDE EXPANSION JOINTS AT 7.5m MAX CRS.
 CONCRETE GRADE TO BE N25

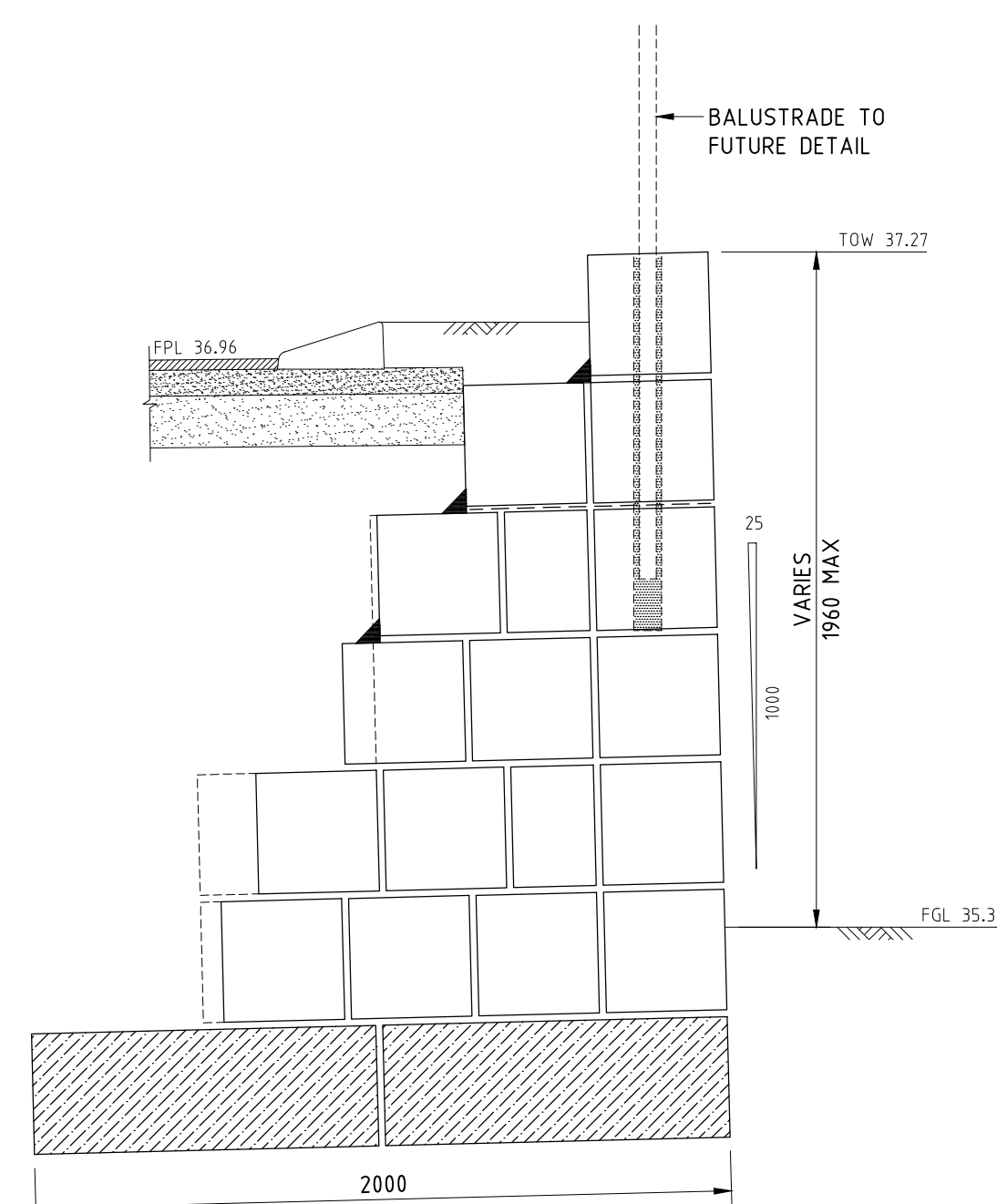


SECTION 1
1:20 C1.01



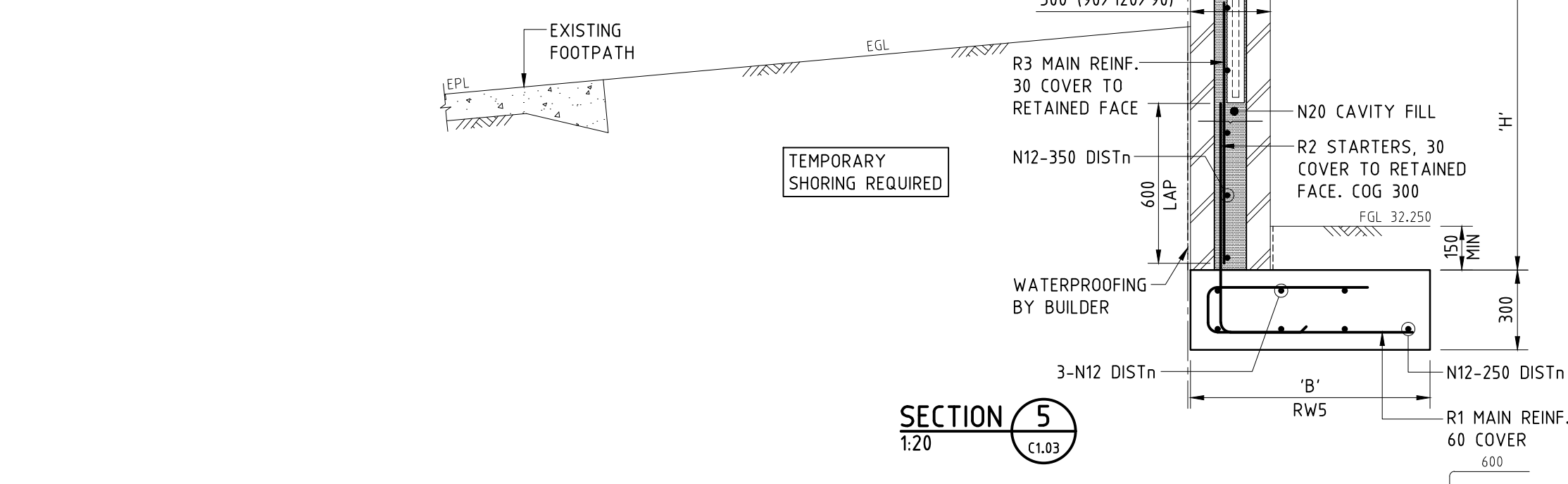
SECTION 2
1:20 C1.01

RETAINING WALL 'RW2'					
'H'	'B'	R1	R2	R3	LAP
0 - 900	700	N12-350	N12-350	-----	-----
901 - 1400	900	N12-350	N12-350	N12-350	600



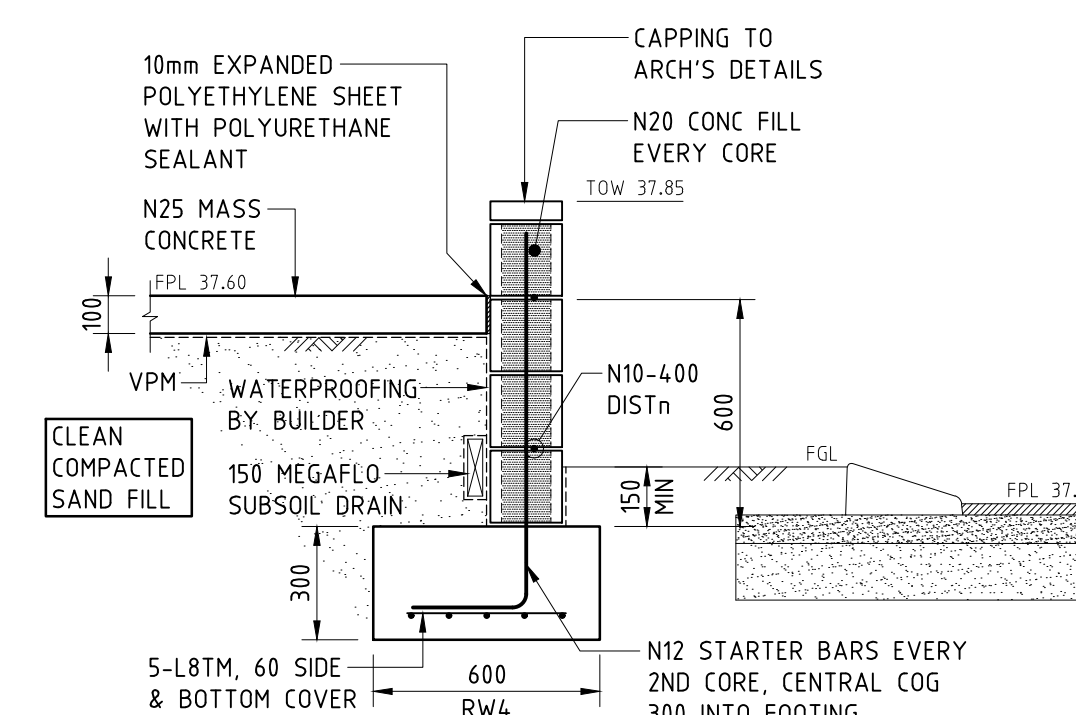
SECTION 3
1:20 C1.01

LIMESTONE RETAINING WALL RW3



SECTION 5
1:20 C1.03

RETAINING WALL 'RW5'					
'H'	'B'	R1	R2	R3	LAP
0 - 900	700	N12-350	N12-350	-----	-----
901 - 1400	900	N12-350	N12-350	N12-350	600



SECTION 4
1:20 C1.01

BOTTOM COURSE TO BE 190
CLEANOUT BLOCK. PRIOR TO CORE
FILLING ENSURE BASE OF
REINFORCED CORE IS CLEANED OUT

2	12.12.24	ISSUED FOR DEVELOPMENT APPROVAL	J.V.	P
1	11.12.24	ISSUED FOR REVIEW	J.V.	P
REV No.	DATE	DESCRIPTION	BY	AP



ph. (08) 9389 7228 | f. (08) 9389 7221 Unit 10/18 Stirling HWY Nedlands Perth, WA 6009

CLIENT: H+H ARCHITECTS

PROJECT: SOCIAL HOUSING
DEVELOPMENT
BAYONET HEAD, ALBANY

TITLE: SITEWORKS AND CARPARK
SECTIONS AND DETAILS

DESIGNED: P.T.	DATE: SEP 2024	PROJECT No: 15540
DRAWN: J.V.	SCALE: 1:20	DRAWING No: C1.04
CHECKED:	CAD REF: J.V. 1554-0C101.dwg 12.12.24 4.38 PM	REVISION No: 2
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