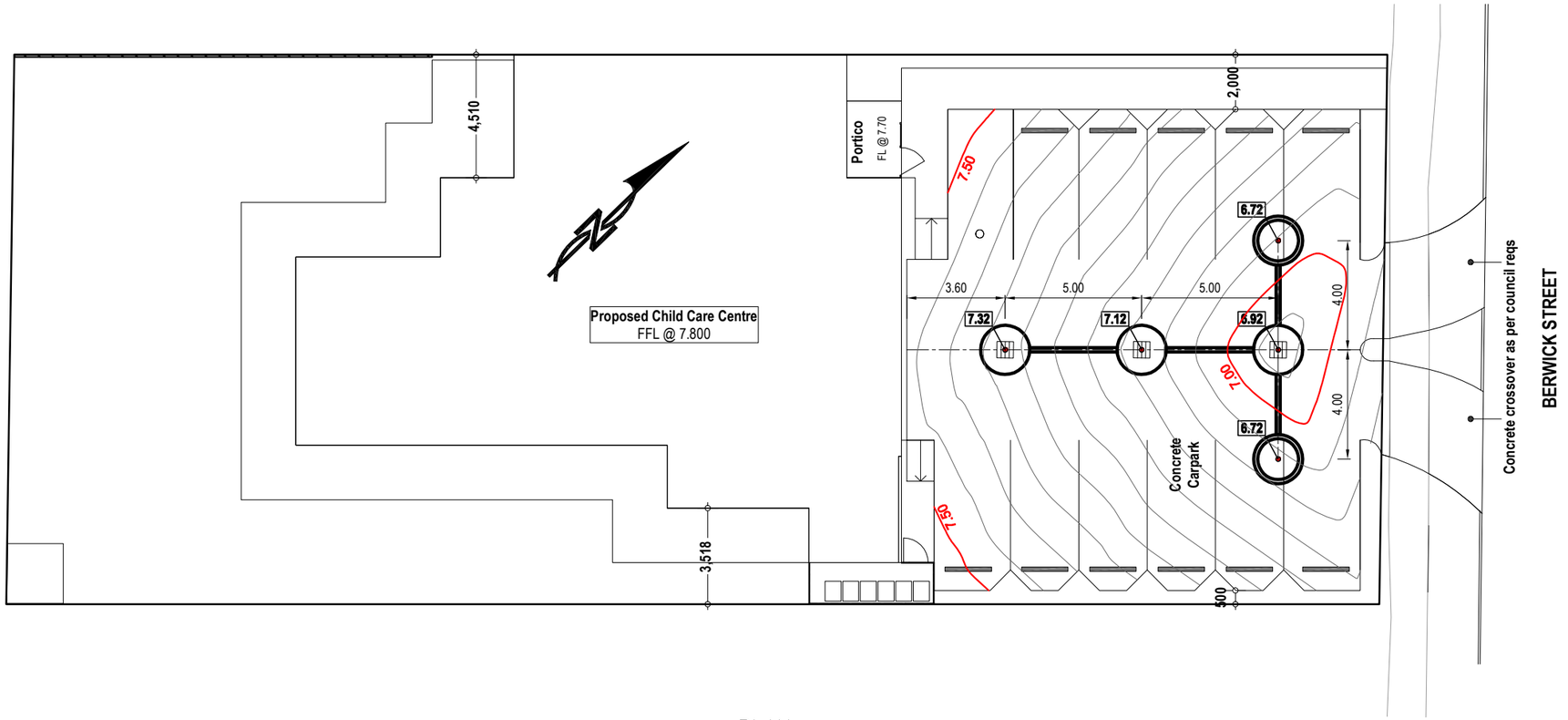

PLAN

LEGEND

7.52 PROPOSED SOAKWELL COVER / GRATE LEVELS

PROPOSED GRATED SOAKWELL

PROPOSED BURRIED SOAKWELL

PROPOSED 150 PVC PIPES

TOWN OF VICTORIA PARK
Received: 21/08/2023

NOTES

1. DRAINAGE

1.1 DRAINAGE GRATE LEVELS 10mm LOWER THAN FINISHED SURFACE

1.2 TOP OF SOAKWELL LINER TO BE CUT ON ANGLE TO ALLOW FOR SLOPE OF PAVEMENT SURFACE PRIOR TO COVER BEING INSTALLED

1.3 JOINS BETWEEN UNDERSIDE OF SOAKWELL COVERS AND LINER WALLS TO BE MORTARED.

1.4 MINIMUM COVER TO 150ø PVC PIPES TO BE 700mm.

1.5 BLIND SOAKWELL TO HAVE 50mm ø PVC VENT PIPE INSTALLED BELOW PAVEMENT LEVEL WITH CONNECTION TO GRATED PIT TO ALLOW FOR PRESSURE RELEASE.

1.6 SOAKWELL GRATES TO BE TRAFFICABLE.

DRAINAGE DATA & CALCULATIONS

CAR PARK, ROOF AND PAVING

IMPERVIOUS AREA CATCHMENT = 707 m2

DESIGN BASED ON 1:100 YEAR CRITICAL STORM EVENT.
INFILTRATION RATE 3 m/day

STORAGE REQUIRED – Q=0.00278 x C x I x A, C=.90 , I = 28.8 mm/hr (2 hours)

TOTAL STORM VOLUME TO BE MANAGED ON SITE : Qt = 36.68 m3

STORAGE PROVIDED (5 x 1800 DIAMETER x 1800 DEEP SOAKWELLS = 22.9 m3
INFILTRATION = 14.62 m3 (2 hours)
SURFACE PONDING = 0.65 m3

TOTAL PROVIDED = 38.17 m3

	INFLOW						OUTFLOW			
Infiltration Rate	Storm	Run-off Coeff	Intensity	Area	Flow	Volume	infiltration SW	SW Storage	Storage Surf	Total Out
m/d	100y	C	I (mm/hr)	A (m2)	Q (m3/s)	Qtot (m3)	Qi (m3)	Qs (m3)	Qs (m3)	Qo (m3)
3	5	0.9	209	707	0.037	11.091	0.610	22.902	0.650	24.161
3	6	0.9	197	707	0.035	12.545	0.732	22.902	0.650	24.283
3	10	0.9	151	707	0.027	16.026	1.219	22.902	0.650	24.771
3	20	0.9	97.8	707	0.017	20.760	2.439	22.902	0.650	25.990
3	30	0.9	75.5	707	0.013	24.040	3.658	22.902	0.650	27.209
3	60	0.9	45.6	707	0.008	29.038	7.316	22.902	0.650	30.867
3	120	0.9	28.8	707	0.005	36.680	14.632	22.902	0.650	38.183
3	180	0.9	21.8	707	0.004	41.647	21.947	22.902	0.650	45.499
3	360	0.9	13.6	707	0.002	51.964	43.895	22.902	0.650	67.446
3	720	0.9	8.58	707	0.002	65.566	87.789	22.902	0.650	111.341
3	1440	0.9	5.45	707	0.001	83.295	175.578	22.902	0.650	199.130
3	2880	0.9	3.65	707	0.001	111.569	351.157	22.902	0.650	374.708
3	4320	0.9	2.78	707	0.000	127.464	526.735	22.902	0.650	550.287

DRAINAGE DATA

1:100
0 1m 2 3 4 5 6 7 8 9 10 11 12 13 14 15

REV	REVISION DESCRIPTION	DATE	DRN	CHK
A	ISSUE FOR REVIEW	21/8/23	JO	JO

WARNING
BEWARE OF UNDERGROUND SERVICES
The location of underground cables are approximate only and their exact position should be checked on site. No guarantee is given that all existing cables and services are shown. Locate all underground cables and services before commencement of work. Refer to Worksafe Regulation 3.21.
DIAL 1100 BEFORE YOU DIG

ISSUED FOR REVIEW

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A. 5 GAYTON PLACE, NORTH BEACH, WA 6020

CLIENT: KESAVAN

PROJECT: CHILDCARE CENTRE
67 BERWICK STREET
VICTORIA PARK

DRAWING TITLE: CIVIL WORKS
DRAINAGE LAYOUT AND CALCULATIONS

DATE:	DRAWN:	DESIGNED:	CHECKED:	SCALE:	
21 - 8 - 2023	JO	JO	JO	AS SHOWN	A1

SURVEY DATUM:	WAPC NUMBER:	PROJECT NUMBER:	DRAWING NUMBER:	REVISION:
AHD	WAPC	OE0201	C400	A

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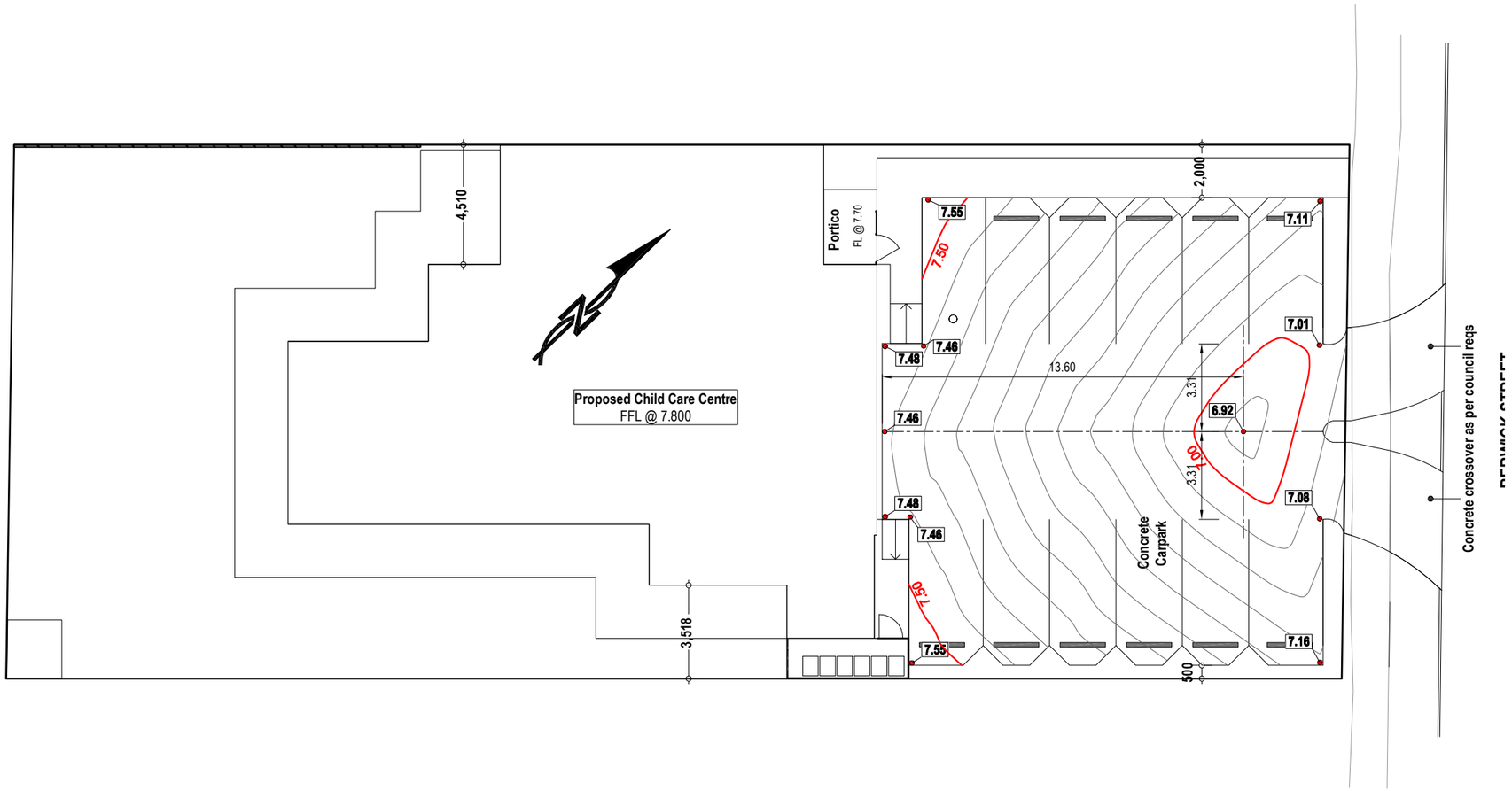

PLAN

LEGEND

7.62 PROPOSED CARPARK LEVELS

TOWN OF VICTORIA PARK
Received: 21/08/2023

NOTES

1. GENERAL
   - 1.1 ALL DIMENSIONS ARE IN METERS
   - 1.2. LEVELS ARE REDUCED FROM A.H.D.
   - 1.3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER DESIGN DRAWINGS AND THE SPECIFICATION.
   - 1.4. THE CONTRACTOR SHALL LIMIT THE MOVEMENT OF EQUIPMENT AND MANPOWER TO THE MINIMUM AREA NECESSARY AND PROTECT ALL VEGETATION ON SITE.
   - 1.5. THE CONTRACTOR SHALL ENSURE THAT ALL LEVELS ARE SET-OUT BY LICENSED SURVEYOR.
   - 1.6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO EXISTING OCUPANCIES AT ALL TIMES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
   - 1.7. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES IN THE DESIGN DRAWINGS OR CLASHES WITH OTHER SERVICES AS SOON AS PRACTICALLY POSSIBLE TO THE SUPERINTENDENT.
   - 1.8. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL SERVICES.

1:100
0 1m 2 3 4 5 6 7 8 9 10 11 12 13 14 15

REV	REVISION DESCRIPTION	DATE	DRN	CHK
A	ISSUE FOR REVIEW	21/8/23	JO	JO

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PROJECT	CHILDCARE CENTRE 67 BERWICK STREET VICTORIA PARK

DATE:	DRAWN:	DESIGNED:	CHECKED:	SCALE:	
21 - 8 - 2023	JO	JO	JO	AS SHOWN	A1

DRAWING TITLE: CIVIL WORKS
CARPARK LEVELS AND CONTOURS

SURVEY DATUM:	WAPC NUMBER:	PROJECT NUMBER:	DRAWING NUMBER:	REVISION:
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TOWN OF VICTORIA PARK
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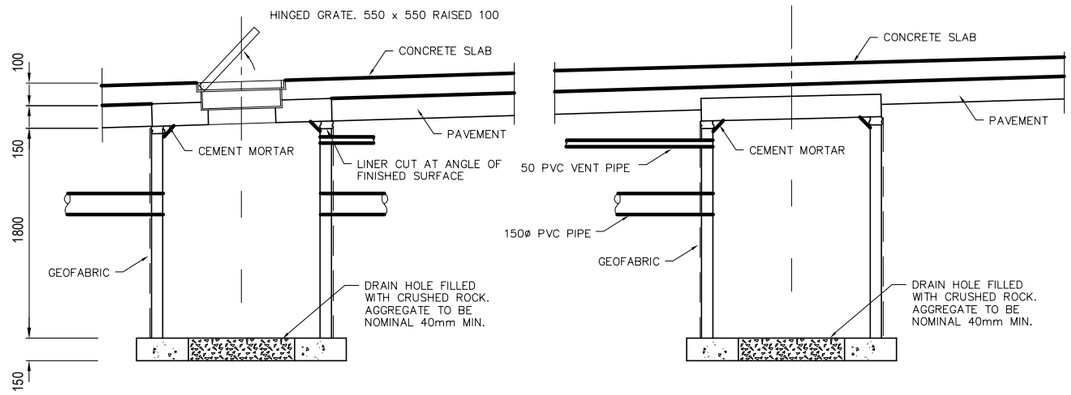

SOAKWELL DETAIL

REV	REVISION DESCRIPTION	DATE	DRN	CHK
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WARNING

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CLIENT: KESAVAN

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67 BERWICK STREET
VICTORIA PARK

DATE:	DRAWN:	DESIGNED:	CHECKED:	SCALE:	
21 - 8 - 2023	JO	JO	JO	AS SHOWN	A1

DRAWING TITLE: CIVIL WORKS
TYPICAL DETAILS

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