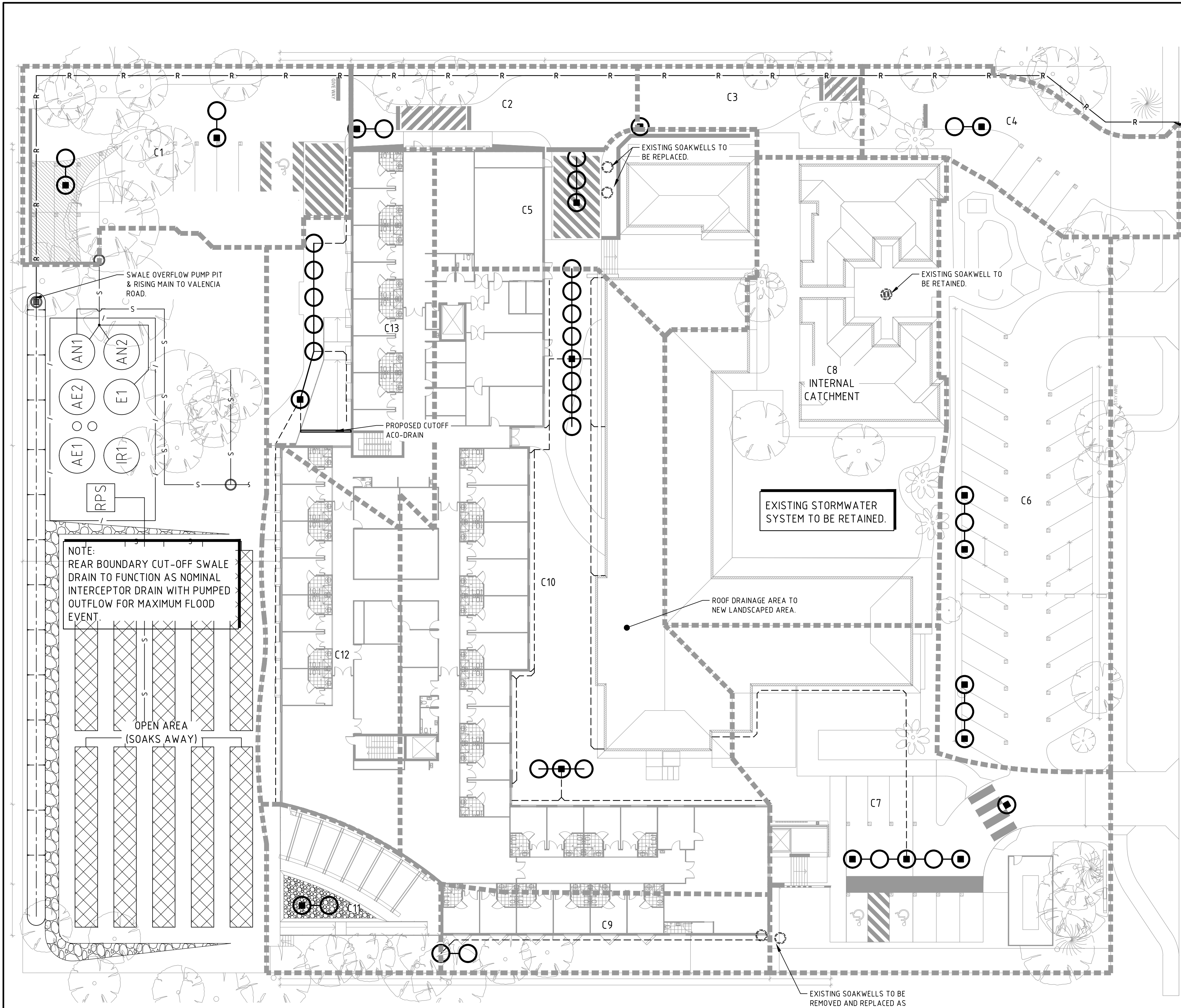




DISCHARGE TO COUNCIL STREET DRAIN.

VALENCIA ROAD

- NOTES:**
1. STORMWATER DESIGN BASED ON 1:100 YR RETENTION ON SITE.
 2. SOAKAGE RATES FOR DESIGN ARE BASED ON MEASURED PERCOLATION RATES ON SITE AS RECOMMENDED IN THE GEOTECH REPORT BEING 4-5m/day. (4m/day USED FOR CALCULATIONS)
 3. ALL GRATED COVERS IN TRAFFICABLE AREAS TO BE CLASS 'E'.

- LEGEND:**
- 268.5 — EXISTING CONTOURS (0.5m INTERVALS)
 - ▨ PROPOSED LEACH DRAINS
 - S — PROPOSED WASTEWATER PIPES
 - EXISTING SOAKWELLS
 - ⊙ PROPOSED Ø18m SOAKWELLS WITH GRATED LID. INTERCONNECTING PIPE WHERE SHOWN IS TO BE Ø150 PVC SN8 SEWER CLASS PIPES MIN. SPEC WITH 1:200 MIN. GRADE.
 - PROPOSED Ø18m VERGE SOAKWELLS WITH SOLID COVER FOR MAINTENANCE ACCESS.
 - R — PROPOSED STORMWATER RISING MAIN TO VALENCIA ROAD.
 - PROPOSED DRAINAGE PIPEWORK FROM BUILDING DOWNPIPES.
 - ▬▬▬▬ PROPOSED CATCHMENT BOUNDARY
 - C1 PROPOSED CATCHMENT NUMBER

NOTE:
REAR BOUNDARY CUT-OFF SWALE DRAIN TO FUNCTION AS NOMINAL INTERCEPTOR DRAIN WITH PUMPED OUTFLOW FOR MAXIMUM FLOOD EVENT

EXISTING STORMWATER SYSTEM TO BE RETAINED.

ROOF DRAINAGE AREA TO NEW LANDSCAPED AREA.

PLAN
SCALE: 1:250

STORMWATER DRAINAGE CALCULATIONS:

CATCHMENT	PAVEMENT/LANDSCAPED AREA (m²)	RUNOFF C	ROOF AREA (m²)	EQUIVALENT AREA (m²)	STORAGE DEVICES
C1	642	0.8	65	578.6	4x 1800DIA x 1500 DEEP SOAKWELLS
C2	288	0.8		230.4	2x 1800DIA x 1200 DEEP SOAKWELL
C3	210	0.8		168	1800DIA x 1800 DEEP SOAKWELL
C4	419	0.8		335.2	2x 1800DIA x 1800 DEEP SOAKWELL
C5	265	0.8	335	547	3x 1800DIA x 1800 DEEP SOAKWELL
C6	1178	0.8		942.4	6x 1800DIA x 1800 DEEP SOAKWELLS OR (1 ROWS x 11 UNITS OF STORMTECH SC-740)
C7	1082	0.8	174	1039.6	6x 1800DIA x 1800 DEEP SOAKWELLS OR (1 ROW x 12 UNITS OF STORMTECH SC-740)
C8	763	0.6	638	1095.8	EXISTING SYSTEM TO BE RETAINED
C9	151	0.6	175	265.6	2x 1800DIA x 1500 DEEP SOAKWELL
C10	539	0.6	1593	1916.4	10x 1800DIA x 1800 DEEP SOAKWELLS OR (2 ROWS x 13 UNITS OF STORMTECH SC-740)
C11	300	0.8		240	2x 1800DIA x 1200 DEEP SOAKWELL
C12	79	0.6	498	545.4	REFER TO C13
C13	165	0.6	451	550	6x 1800DIA x 1800 DEEP SOAKWELLS OR (1 ROW x 13 UNITS OF STORMTECH SC-740)

NOTE: CALCULATIONS ARE BASE ON 4m/day 1% AEP.

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.

DIA1100
BEFORE YOU DIG

EXISTING SERVICES TO BE LOCATED AND PROTECTED BY THE CONTRACTOR. ALL COST ASSOCIATED WITH LOCATION OF SERVICES AND REINSTATEMENT OF VERGES, DRIVEWAYS, AND DAMAGED SERVICES TO BE AT THE CONTRACTORS EXPENSE.

FOR INFORMATION

1:250 AT A1
0 2.5m 5m 10m 15m

29/11/2018 8:47:46 AM
E:\Project_Delivery (PDI)\3.0 Projects\3.4 Civil\2016\PC16117 - Valencia Nursing Home Mt Carmel\2.0 Design\2.34 Drawings\2.34.1 Acad\PC16117-CI-400.dwg

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B	DRAWING UPDATED	DA	29.11.18
A	ISSUED FOR INFORMATION	DA	19.11.18
No.	REVISION	BY	DATE

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			VALENCIA NURSING HOME, MT CARMEL - PRIVATE WASTEWATER TREATMENT SYSTEM		HORIZONTAL		DESIGN		EBF
					VERTICAL		DRAWN		DA
			DRAWING TITLE:		SURVEY DATUM AHD		CHECKED		EBF
			STORMWATER CONCEPT PLAN		WAPC No		DATE AUG 18		REV.
					CADFILE NAME		DRAWING No.		
					PC16117-CI-400		PC16117-CI-400		B