

STORMWATER PLANS FOR DA 4 KUNARI PLACE, MONA VALE



ON-SITE DETENTION REQUIREMENTS:
IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL DCP 2021 - MAP 2 ,
SUBJECT SITE IS LOCATED WITHIN REGION 1- NORTHERN CATCHMENT. BASED
ON PART 9 SECTION 9.3.1 OF THE DCP, PROPERTIES WITHIN REGION 1
REQUIRE
AN OSD FACILITY TO BE INSTALLED WHERE THE DEVELOPMENT RESULTS IN
ADDITIONAL HARD (IMPERVIOUS) SURFACE AREA OF GREATER THAN 50m2 (ON
A
CUMULATIVE BASIS SINCE FEBRUARY 1996).

PRE-DEVELOPMENT SITE DETAILS:
SITE AREA: 701.5 m2
PRE-DEVELOPMENT IMPERVIOUS AREA: 238 m2

POST DEVELOPMENT SITE DETAILS:
SITE AREA: 701.5 m2
POST-DEVELOPMENT IMPERVIOUS AREA: 325.6 m2

BASED ON THE ABOVE CALCULATIONS THE INCREASE IN IMPERVIOUS AREA IS
87.6 m2

OSD TANK IS SIZED USING TABLE 7 OF NORTHERN BEACHES COUNCIL DCP
2021:
MINIMUM REQUIRED OSD: 6 m3
DISCHARGE RATE: 3 L/s

OSD Volume Calculations	
Pre-Impervious Area (m2)	238
Post-Impervious Area (m2)	325.6
Increase in impervious Area (m2)	87.6
OSD Volume (L)	6000
Discharge Rate (L/s)	3

FOR DA APPROVAL

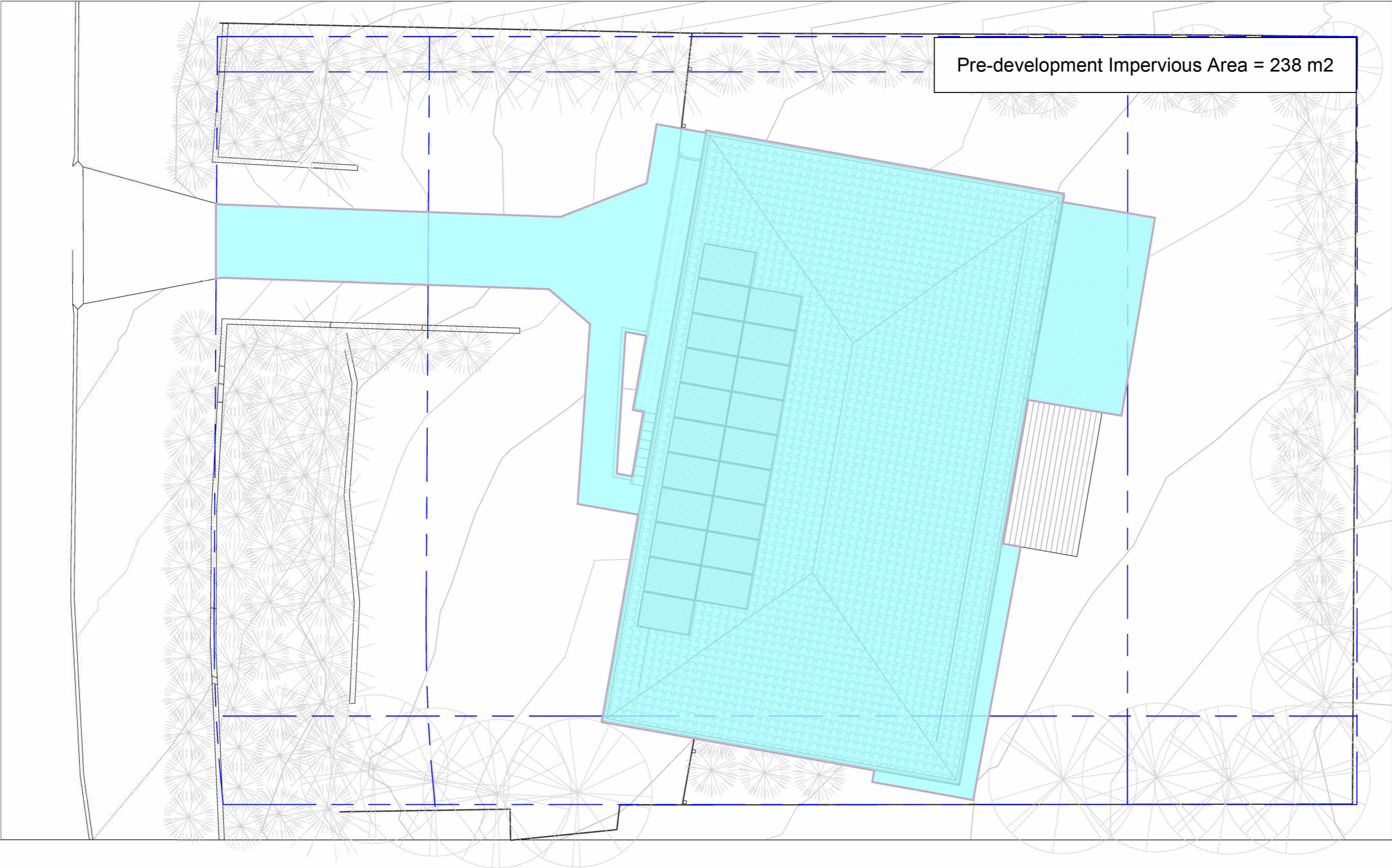
FOR DA APPROVAL
4 KUNARI PLACE,
MONA VALE

STORMWATER PLANS

Project number	SW-01
Date	17/12/2024
Drawn by	SPIRIT E WATER
Client	PETER MCMANUS

DA-01

Scale



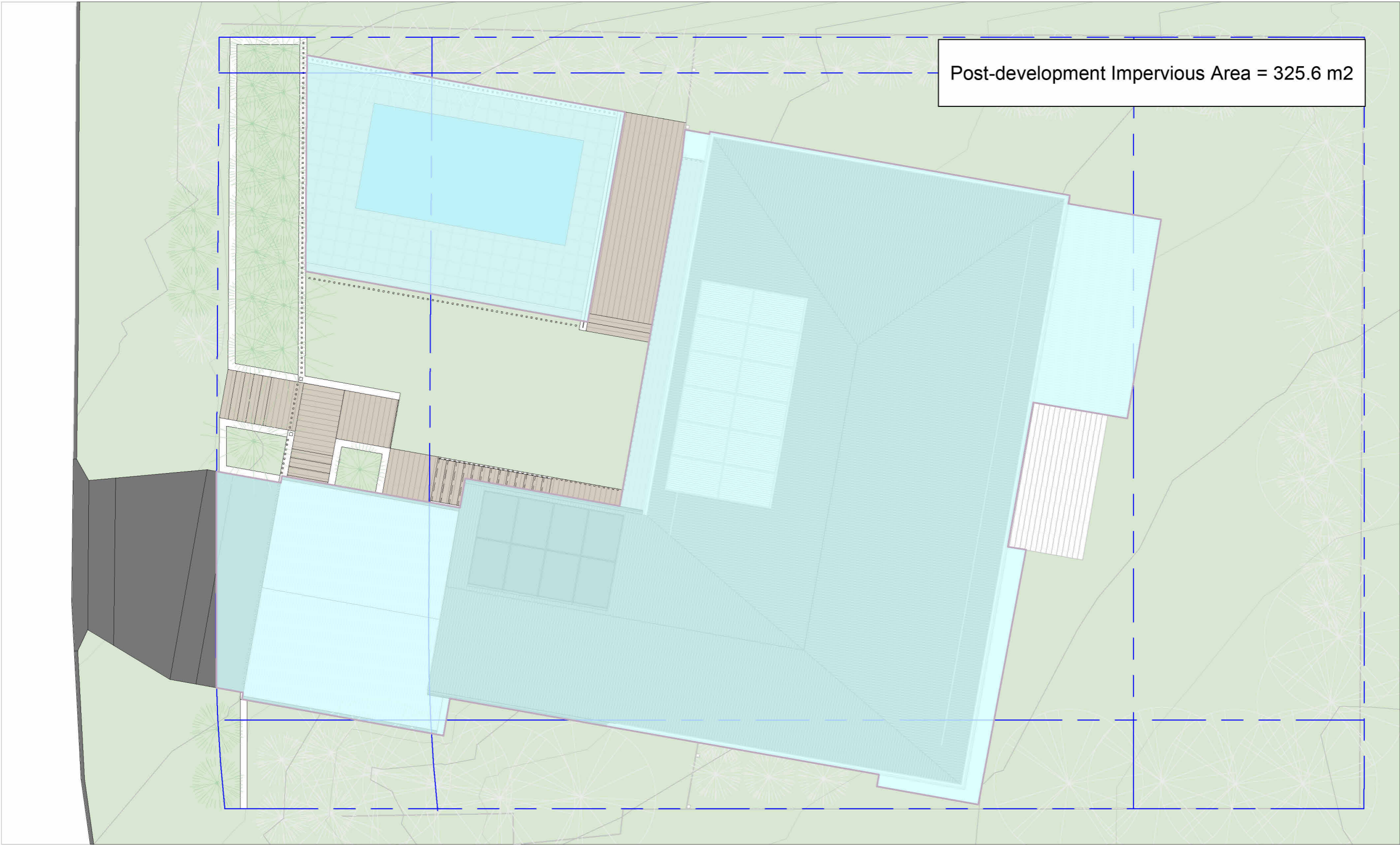
FOR DA APPROVAL
4 KUNARI PLACE,
MONA VALE

STORMWATER PLANS

Project number	SW-01
Date	17/12/2024
Drawn by	SPIRIT E WATER
Client	PETER MCMANUS

DA-02

Scale	1:100
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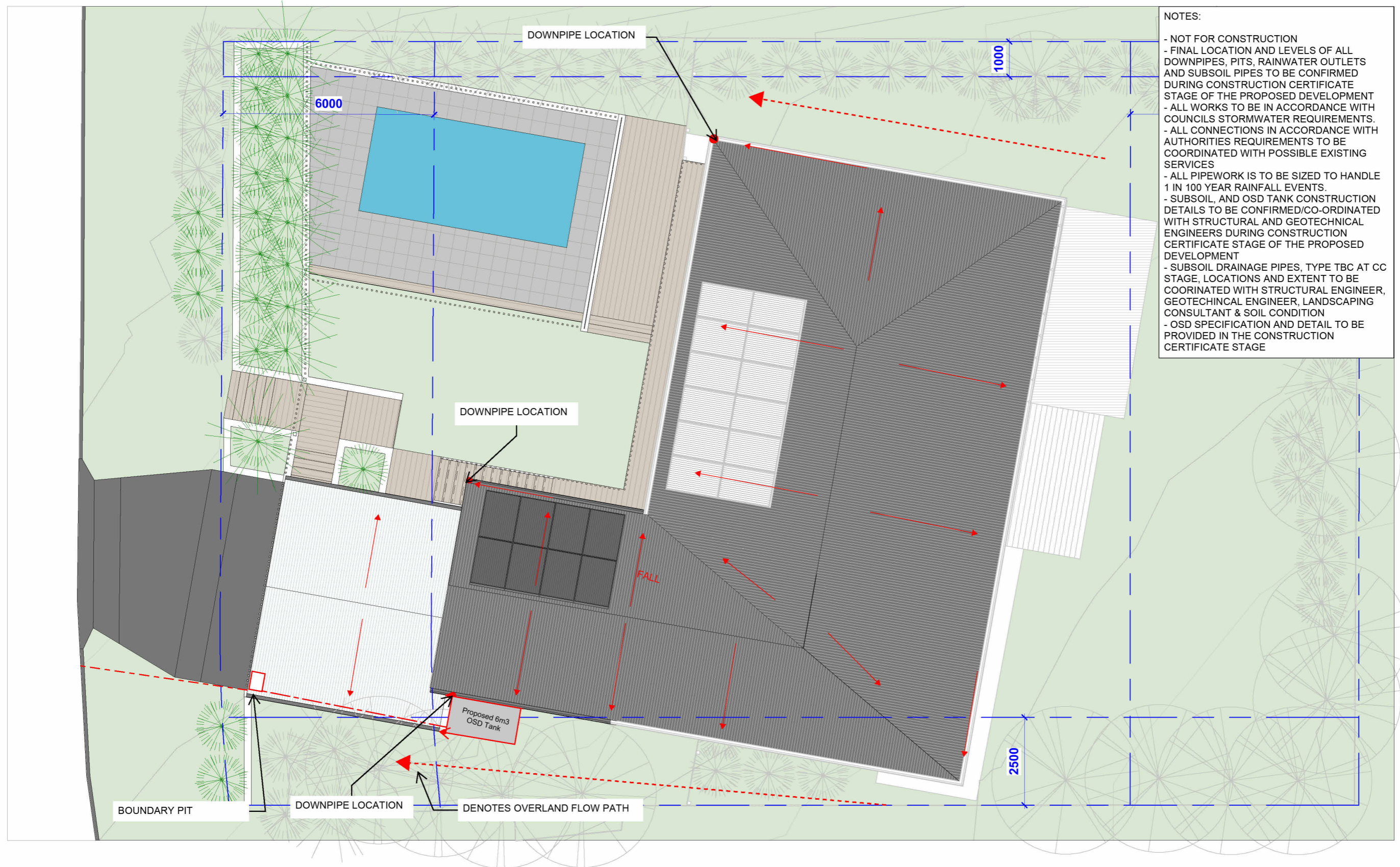
FOR DA APPROVAL
4 KUNARI PLACE,
MONA VALE

STORMWATER PLANS

Project number	SW-01
Date	17/12/2024
Drawn by	SPIRIT E WATER
Client	PETER MCMANUS

DA-03

Scale	1:100
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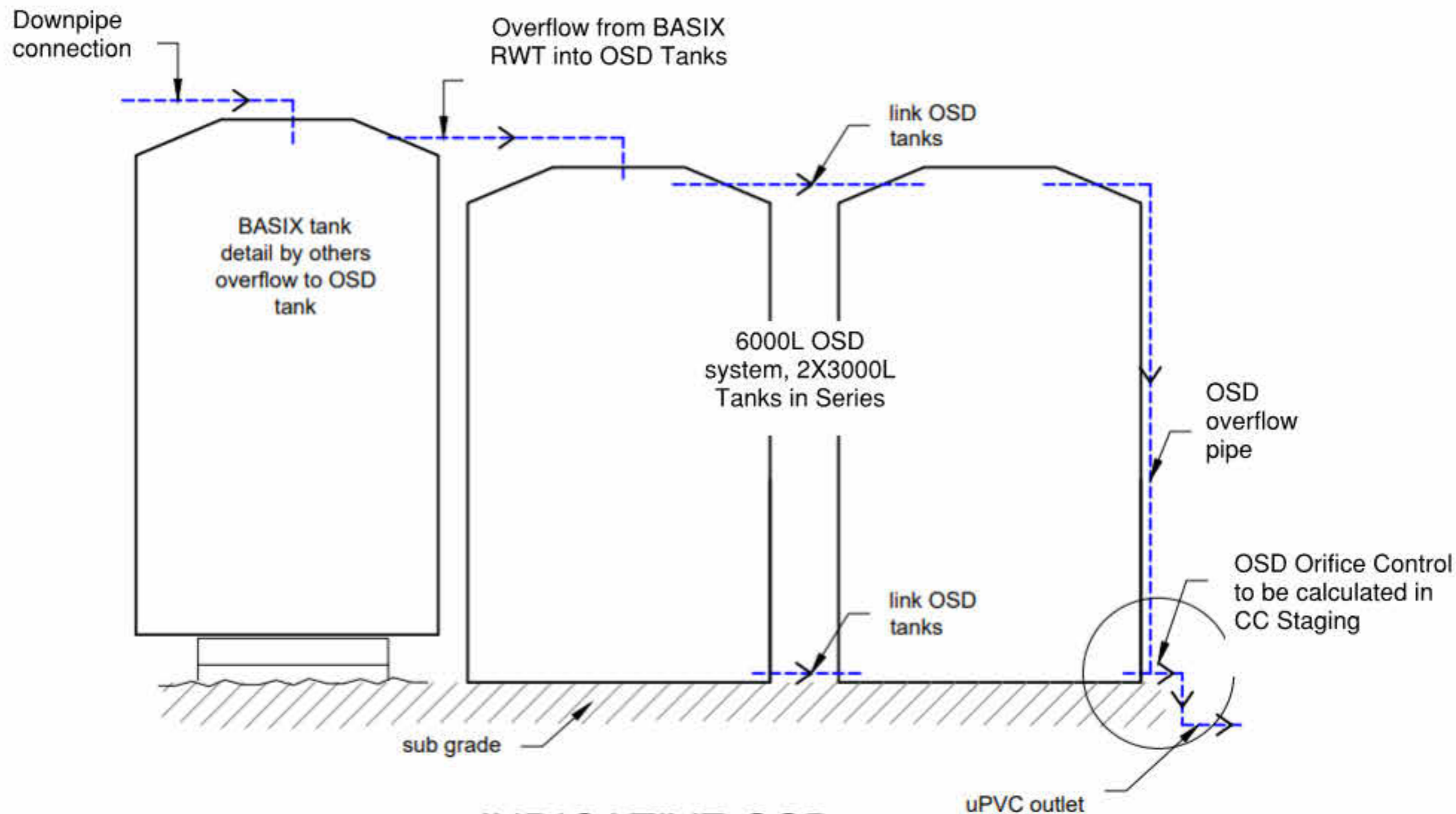


- NOTES:
- NOT FOR CONSTRUCTION
 - FINAL LOCATION AND LEVELS OF ALL DOWNPIPES, PITS, RAINWATER OUTLETS AND SUBSOIL PIPES TO BE CONFIRMED DURING CONSTRUCTION CERTIFICATE STAGE OF THE PROPOSED DEVELOPMENT
 - ALL WORKS TO BE IN ACCORDANCE WITH COUNCILS STORMWATER REQUIREMENTS.
 - ALL CONNECTIONS IN ACCORDANCE WITH AUTHORITIES REQUIREMENTS TO BE COORDINATED WITH POSSIBLE EXISTING SERVICES
 - ALL PIPEWORK IS TO BE SIZED TO HANDLE 1 IN 100 YEAR RAINFALL EVENTS.
 - SUBSOIL, AND OSD TANK CONSTRUCTION DETAILS TO BE CONFIRMED/CO-ORDINATED WITH STRUCTURAL AND GEOTECHNICAL ENGINEERS DURING CONSTRUCTION CERTIFICATE STAGE OF THE PROPOSED DEVELOPMENT
 - SUBSOIL DRAINAGE PIPES, TYPE TBC AT CC STAGE, LOCATIONS AND EXTENT TO BE COORDINATED WITH STRUCTURAL ENGINEER, GEOTECHNICAL ENGINEER, LANDSCAPING CONSULTANT & SOIL CONDITION
 - OSD SPECIFICATION AND DETAIL TO BE PROVIDED IN THE CONSTRUCTION CERTIFICATE STAGE

FOR DA APPROVAL
4 KUNARI PLACE,
MONA VALE

STORMWATER PLANS

Project number	SW-01	DA-04
Date	17/12/2024	
Drawn by	SPIRIT E WATER	
Client	PETER MCMANUS	Scale 1:100



INDICATIVE OSD

NOTES:
NOT FOR CONSTRUCTION
OSD ORIFICE SIZING TO BE CALCULATED
DURING CONSTRUCTION CERTIFICATE STAGE

FOR DA APPROVAL
4 KUNARI PLACE,
MONA VALE

STORMWATER PLANS

Project number	SW-01	DA-05
Date	17/12/2024	
Drawn by	SPIRIT E WATER	
Client	PETER MCMANUS	Scale
		N.T.S