

- - - - - STW STORMWATER
 - ◆ - SS SUBSOIL
 - - - - - DP DOWNPIPE
 - - - - - RD ROOF DRAINAGE
 - - - - - EXISTING SERVICE
 - X - X - X - X EXISTING SERVICE
 TO BE DISCONNECTED
 AND REMOVED

	R	RISER
	D	DROPPER
	COFF	CAPPED OFF
	HP	HORIZONTAL PENETRATION
	D OF	DIRECTION OF FLOW
	NC	NEW CONNECTION
	C	CONTINUATION
	MH	MAN HOLE
	IO	INSPECTION OPENING
	STWIP	STORMWATER INLET PIT
	GRD	GRATED DRAIN
	SO	SAFETY OVERFLOW
	SP	SPREADER
	RWO	RAINWATER OUTLET
	BRWO	BALCONY RAINWATER OUTLET
	PRWO	PLANTER RAINWATER OUTLET
	SRWO	SPOON DRAIN RAINWATER OUTLET

FFL	FINISH FLOOR LEVEL
IL	INVERT LEVEL
RL	REDUCED LEVEL
UPVC	UNPLASTICIZED POLYVINYL CHLORIDE
NTS	NOT TO SCALE
UNO	UNLESS NOTED OTHERWISE
SQ	SQUARE
mm	MILLIMETRES
m	METRES
m2	SQUARE METRES
m3	CUBIC METRES
/sec	PER SECOND
MIN	MINIMUM
MAX	MAXIMUM
APPR	APPROXIMATELY
DIA	DIAMETER
EX	EXISTING
AHD	AUSTRALIAN HEIGHT DATUM

GENERAL NOTES
ALL IN ACCORDANCE WITH COUNCIL'S
STORMWATER REQUIREMENTS

ALL PIPEWORK IS SIZED AND DESIGNED TO HANDLE
A 1:100 YEAR EVENT RAINFALL

ALL PIPEWORK TO BE 100mm @ 1% FALL (UNO)

MINIMUM INTERNAL MEASUREMENTS:				
DEPTH TO BASE OF CHAMBER	RECTANGULAR		CIRCULAR	LADDER / STEP IRON
	WIDTH	LENGTH		
SMALLER THAN 600	450	450	600	NO
601 TO 900	600	600	900	NO
901 TO 1200	600	900	1050	NO
GREATER THAN 1200	900	900	1050	YES

ALL IN ACCORDANCE WITH NORTHERN BEACHES COUNCIL'S
STORMWATER REQUIREMENTS (OLD PITTSWATER COUNCIL AREA / POLICY)

TOTAL SITE AREA: 725.6m²
PRE - DEVELOPED IMPERVIOUS AREAS: 252.2m²
POST DEVELOPED IMPERVIOUS AREAS: 383.7m²
INCREASE IN IMPERVIOUS AREAS: 131.5m²

ACCORDING TO TABLE ON PAGE 120:
ADDITIONAL 100m² - 150m² IMPERVIOUS AREAS: 9.0m³ REQUIRED

ACCORDING TO TABLE ON PAGE 120:
ADDITIONAL 100m² - 150m² IMPERVIOUS AREAS: 4.0 ltrs / sec PSD

ACCORDING TO TABLE ON PAGE 117:
ADDITIONAL 100m² - 150m² IMPERVIOUS AREAS: 3.0m³ TANK REQ.

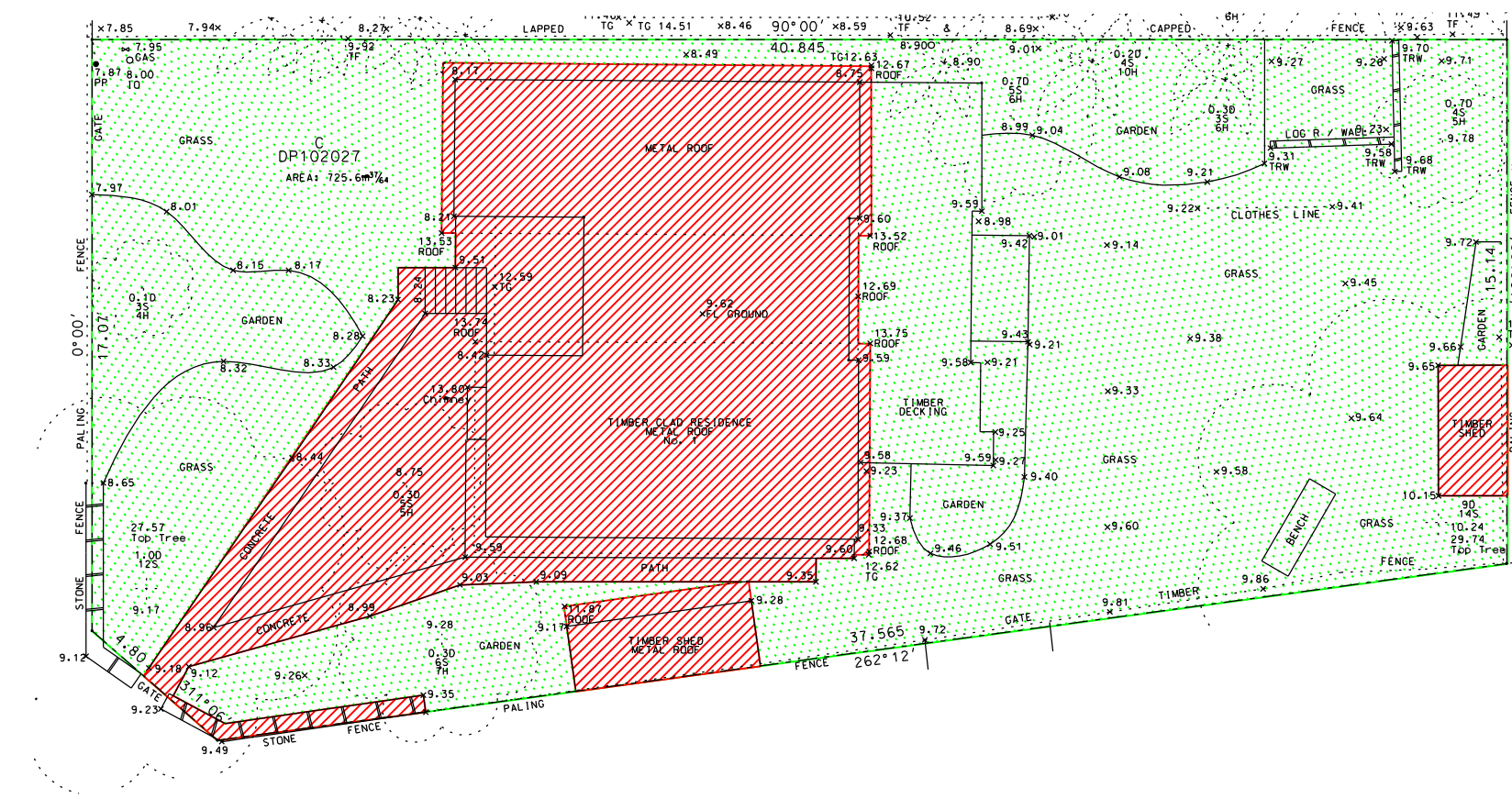
THE ABOVE FIGURE IS THE MIN. VOLUME REQUIRED. THIS NEEDS TO BE INCREASED IF THE BASIX REPORT STIPULATES A LARGER VOLUME. 25.0% OF THE EXCESS STORAGE CAN BE CREDITED TOWARDS THE OSD TANK CAPACITY.

RAINWATER COLLECTION TANK VOLUME ACCORDING TO THE
BASIX REPORT: 4.0m3
RE - USE SUPPLY: TO HOSE TAPS AND THE CLOTH WASHING MACHINE

COUNCIL POLICY: 9.0m³ ON SITE DETENTION
BASIX REPORT: 4.0m³ RAINWATER COLLECTION

COUNCIL POLICY: 3.0m³ RAINWATER COLLECTION
EXCESS: 1.0m³

ADJUSTED DETENTION TANK VOLUME: 9.0m³ x (0



SYMBOL	CATCHMENT	IMPERVIOUS AREA	PERVIOUS AREA	PERCENTAGE
	ROOF AND PAVED AREAS	252.2m2	-	34.8%
	DEEPSOIL LANDSCAPING	-	473.4m2	65.2%
TOTAL		725.6m2		100%

The drawing consists of two parts: a perspective view on the left and a cross-sectional view on the right.

Perspective View (Left): Shows a rectangular trash screen with a mesh pattern. A handle is attached to the top edge. The screen is angled upwards. A circular hole is visible on the front face.

Cross-sectional View (Right): Shows the screen installed in a pit. The screen is at the top of the pit, with a handle extending above the ground level. The pit is labeled "PIT 450SQ". The screen is labeled "TRASH SCREEN TO PROTECT THE OUTLET & DOWNSTREAM DRAINAGE SYSTEM". The material is specified as "MATERIAL: STAINLESS STEEL OR GALVANISED MESH SCREEN (MAXIMESH RH 3030 OR EQUIVALENT)". The screen is placed so that the long axis of the oval shaped holes are horizontal with the protruding lip angled upwards and facing downstream. The screen is labeled "REMOVABLE TRASH SCREEN". The pit is labeled "PIT 450SQ". The screen is labeled "200mm HIGH BLUE METAL BED UNDER WEEP HOLES". The screen is labeled "WEEP HOLES 20mm DIA". The screen is labeled "INLET - 450". The screen is labeled "OUTLET". The screen is labeled "INLET / ACCESS / SURCHARGE GRATE 450SQ".

Labels and Dimensions:

- HANDLE
- OUTLET BEHIND
- TRASH SCREEN TO PROTECT THE OUTLET & DOWNSTREAM DRAINAGE SYSTEM
- MATERIAL: STAINLESS STEEL OR GALVANISED MESH SCREEN (MAXIMESH RH 3030 OR EQUIVALENT)
- SCREEN MUST BE PLACED SO THAT THE LONG AXIS OF THE OVAL SHAPED HOLES ARE HORIZONTAL WITH THE PROTRUDING LIP ANGLED UPWARDS AND FACING DOWNSTREAM
- INLET - 450
- PIT 450SQ
- OUTLET
- REMOVABLE TRASH SCREEN
- 200mm HIGH BLUE METAL BED UNDER WEEP HOLES
- WEEP HOLES 20mm DIA
- INLET / ACCESS / SURCHARGE GRATE 450SQ

TYPICAL NOTE: _____
EXISTING WALL / FENCE
(PREVENTS RUN OFF ONTO
NEIGHBOURING PROPERTY)

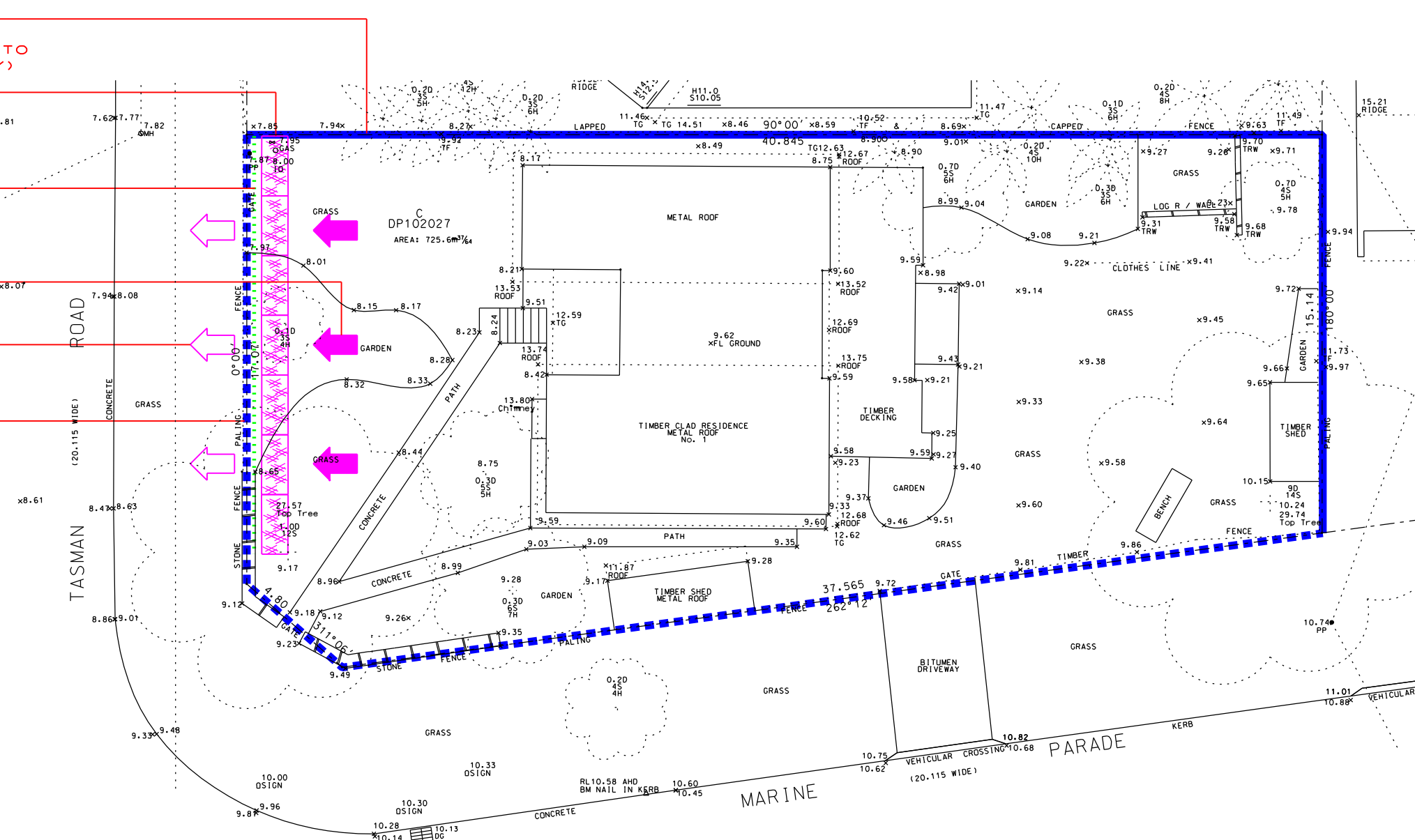
TYPICAL NOTE: _____
HAY BALE BARRIER
(REFER TO DETAIL 1) x7-81

TYPICAL NOTE: _____
SILT FENCE (REFER
TO DETAIL 2)

TYPICAL NOTE: OVERLAND FLOW WITH SEDIMENTS

TYPICAL NOTE: —————
OVERLAND FLOW
'WITHOUT' SEDIMENTS

TYPICAL NOTE: _____
CHAINWIRE MESH FENCE
COMPLETE WITH ACCESS
GATE(S) AS REQUIRED

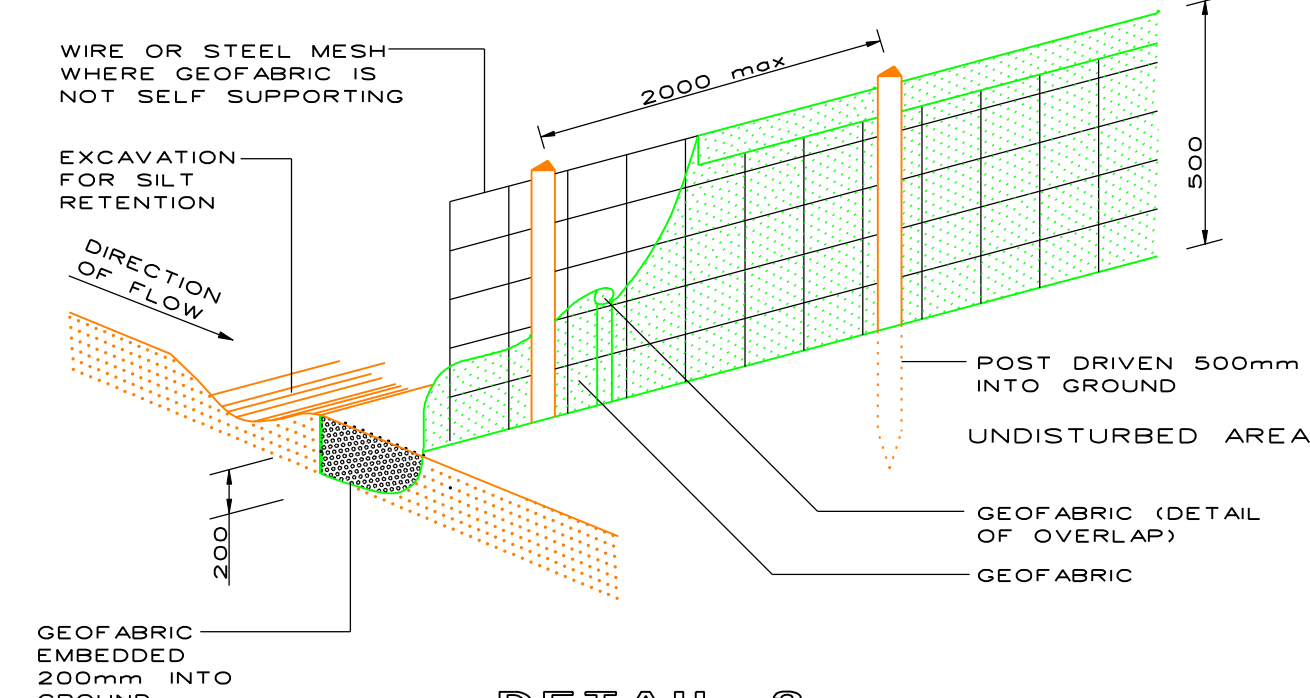
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SYMBOL	CATCHMENT	IMPERVIOUS AREA	PERVIOUS AREA	PERCENTAGE
	ROOF AND PAVED AREAS (INCL. POOL)	383.7m ²	-	52.9%
	DEEPSOIL LANDSCAPING	-	341.9m ²	47.1%
TOTAL		725.6m ²		100%

The diagram illustrates the installation of a silt trap. It shows a cross-section of the ground with a horizontal line representing the ground surface. To the left, a green arrow points right, labeled 'DISTURBED AREA'. To the right, a green arrow points right, labeled 'UNDISTURBED AREA'. A vertical line separates the two areas. In the disturbed area, a rectangular structure is shown, labeled 'HAY BALE WRAPPED IN GEOFABRIC'. This structure is supported by '2 STAKES OR STAR PICKETS PER BALE'. A 'SILT TRAP 100mm DEEP' is indicated at the bottom of the structure. The diagram also shows 'STORMWATER RUN - OFF WITHOUT SEDIMENTS' flowing over the structure and 'STORMWATER RUN - OFF WITH SEDIMENTS' flowing into the silt trap. A vertical dimension line indicates a height of '0.5' for the structure.

INSTALL AS REQUIRED
AS REQUIRED TO SUIT
CONSTRUCTION PROCESS

DISTURBED AREA



APPROVAL

A	ISSUED FOR DA	14.12.21
REV	DESCRIPTION	DATE

ARCHITECT
MCK

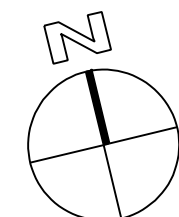
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PROJECT
1 TASMAN
ROAD
AVALON BEACH

DRAWING TITLE
LEGEND, DETAILS,
SED. CONTROL &
CATCHMENT CALCS.

SCALE 1:200 @ A1 / 1:400 @ A3 JOB No 21/127

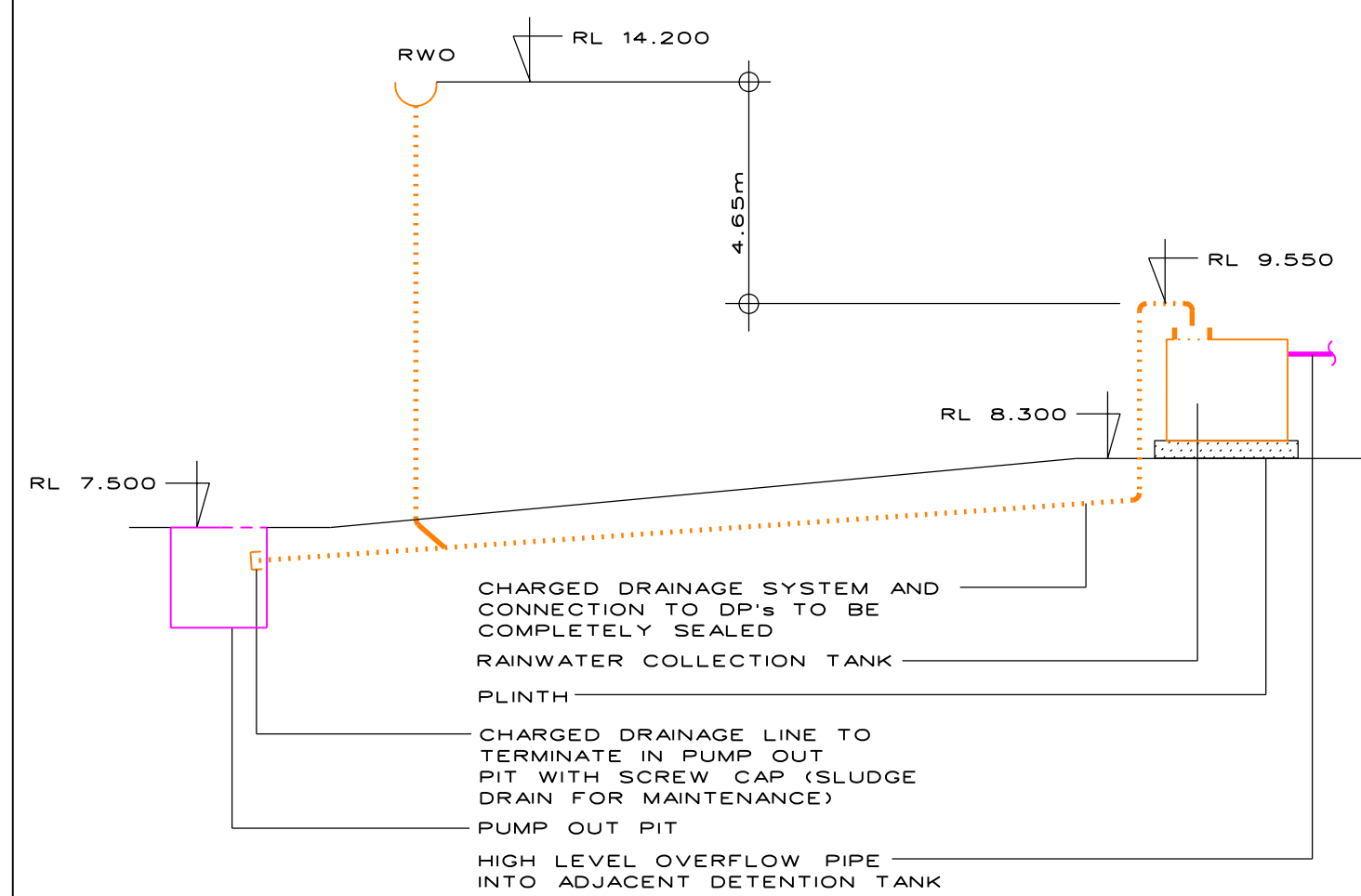
DISCIPLINE	DRAWING No	REVISION
HYD	H-D A-00	A



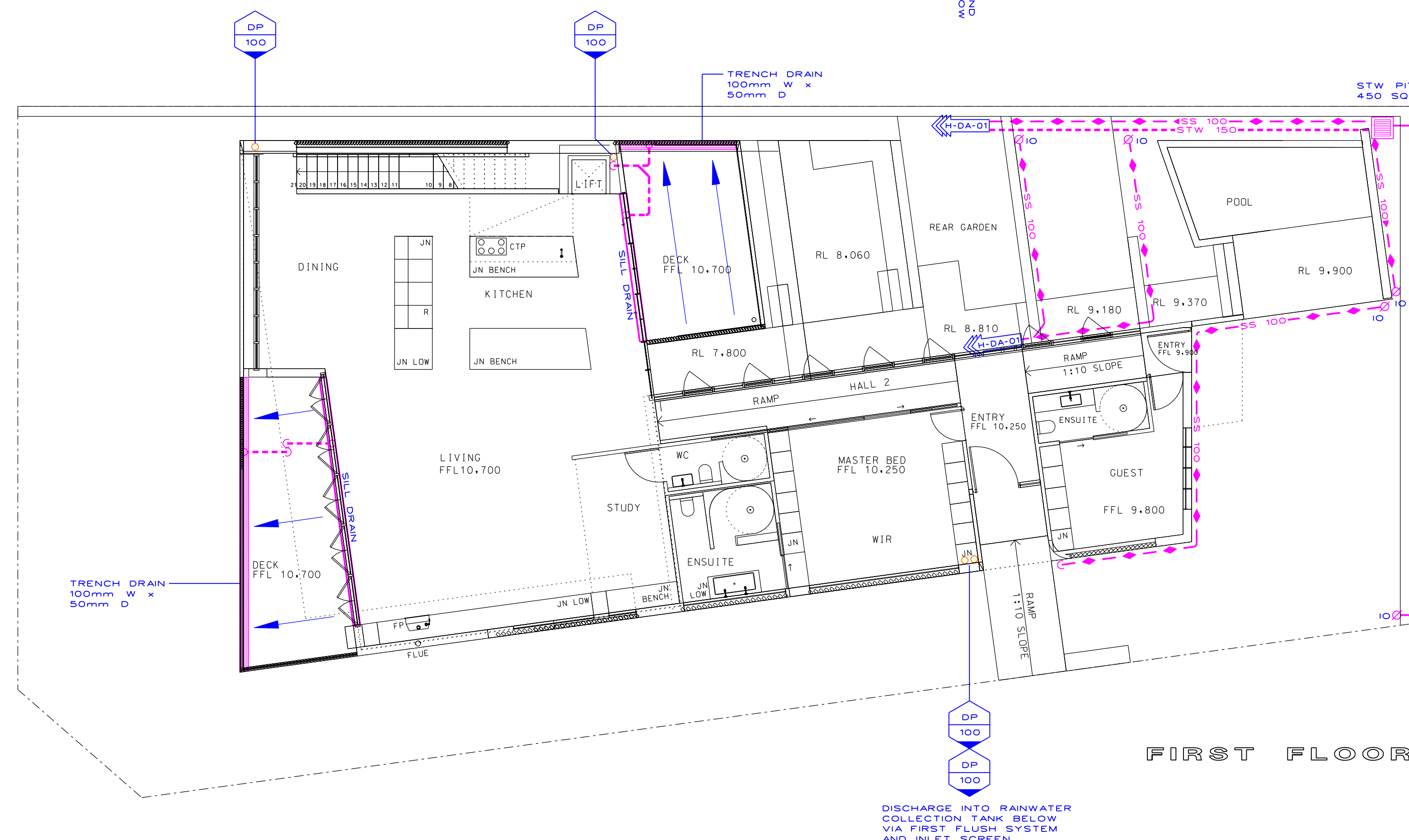
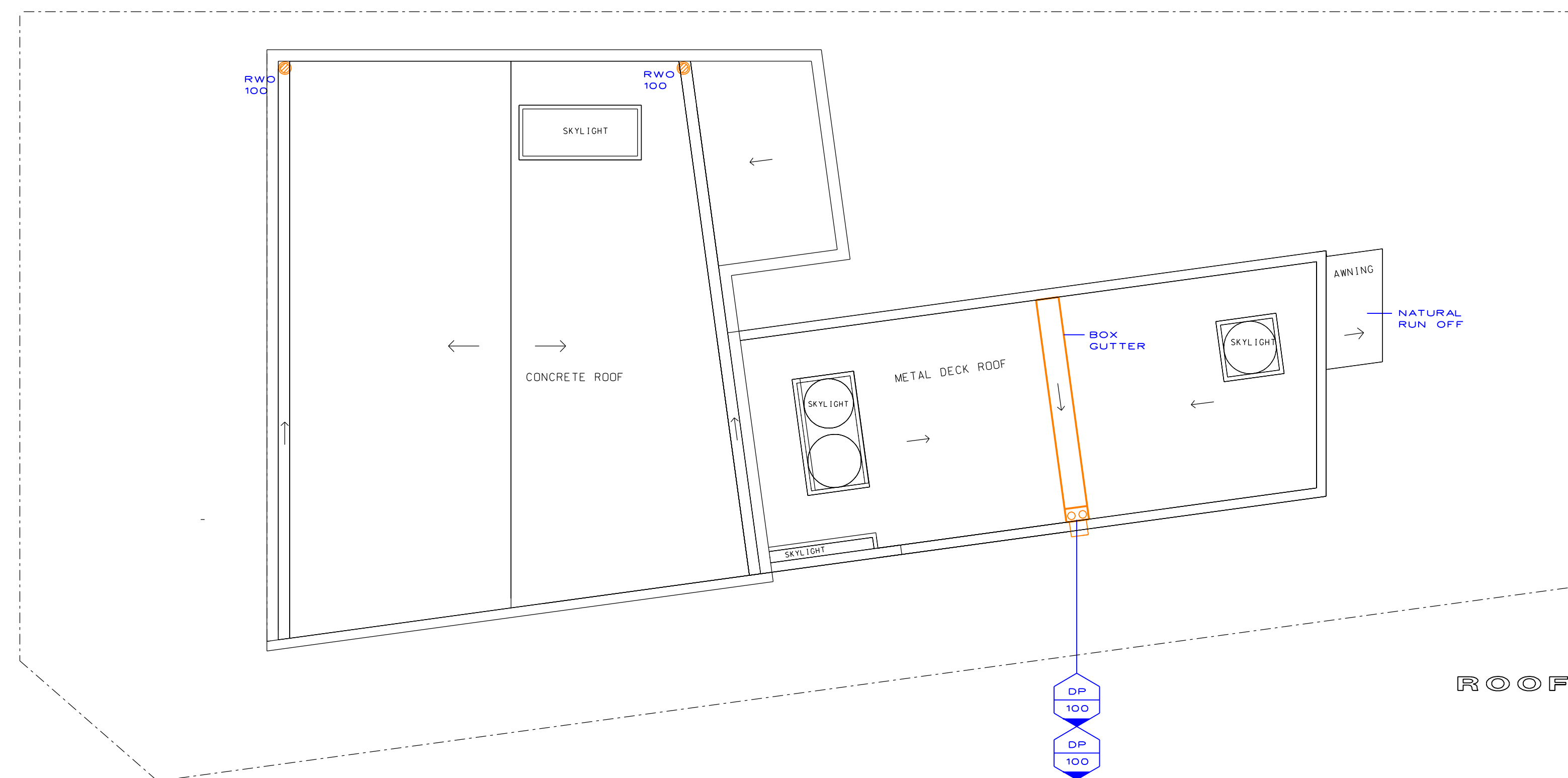
- NOT FOR CONSTRUCTION
- FINAL LOCATION OF ALL DOWNPIPES, PITS, RAINWATER OUTLETS AND SUBSOIL PIPES TO BE CONFIRMED DURING CONSTRUCTION CERTIFICATE STAGE OF THE PROPOSED DEVELOPMENT

ALL LANDSCAPED AREAS LOCATED ABOVE CONCRETE SLABS
TO BE EQUIPPED WITH WATERPROOFING MEMBRANE,
DRAINAGE CELL AND GEOFABRIC

DIAGRAMMATIC LAYOUT ONLY.
REFER TO PLAN FOR PIPE SIZES
AND EXTENT OF PIPEWORK.



DETAIL 1:
DIAGRAMMATIC SECTION THROUGH
CHARGED DRAINAGE LINE
NTS



TYPICAL NOTE:
ALL SUBSOIL DRAINAGE PIPES TO BE 100mm DIA COMPLETE WITH 200mm BLUE METAL SURROUND WRAPPED IN GEOFABRIC. USE PVC PIPES WITH TOP HALF SLOTTED AND NOT GOILS. FINAL LOCATION AND EXTENT TO BE CO - ORDINATED WITH:

- STRUCTURAL ENGINEER
- GEOTECHNICAL ENGINEER
- LANDSCAPING CONSULTANT / CONTRACTOR
- SOIL CONDITIONS

APPROVAL

A	ISSUED FOR DA	14.12.21
REV	DESCRIPTION	DATE

CLIENTS
STEPHANIE MICHELL
& BILL GIFFEN

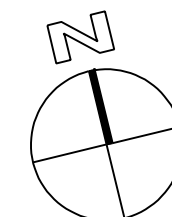
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PROJECT
1 TASMAN
ROAD
AVALON BEACH

DRAWING TITLE
FIRST FLOOR
& ROOF
STORMWATER

SCALE	JOB No
1:100 @ A1 / 1:200 @ A3	21 / 127
DISCIPLINE	DRAWING No
HYD	H-DA-02
	REVISION
	A



STW D B A W I Z G