

PIPEWORK

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

PIPEWORK SYMBOLS

- R RISER
D DROPPER
COF CAPPED OFF
HP HORIZONTAL PENETRATION
DOF DIRECTION OF FLOW
NC NEW CONNECTION
C CONTINUATION
MH MAN HOLE
IO INSPECTION OPENING
STWIP STORMWATER KERB INLET PIT
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

ABBREVIATIONS

- 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

STORMWATER GENERAL NOTES

ALL IN ACCORDANCE WITH COUNCIL'S STORMWATER REQUIREMENTS

PIPEWORK DESIGN

ALL PIPEWORK IS SIZED AND DESIGNED TO HANDLE A 1100 YEAR EVENT RAINFALL

PIPEWORK

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

STORMWATER PIT SIZES

MINIMUM INTERNAL MEASUREMENTS:				
DEPTH TO BASE OF CHAMBER	RECTANGULAR WIDTH	RECTANGULAR LENGTH	CIRCULAR	LADDER / STEP IRON
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

STORMWATER REQUIREMENTS

ALL IN ACCORDANCE WITH COUNCIL'S 'STORMWATER AND FLOOD RISK MANAGEMENT' (CHAPTER E2)

PROPOSED WORKS

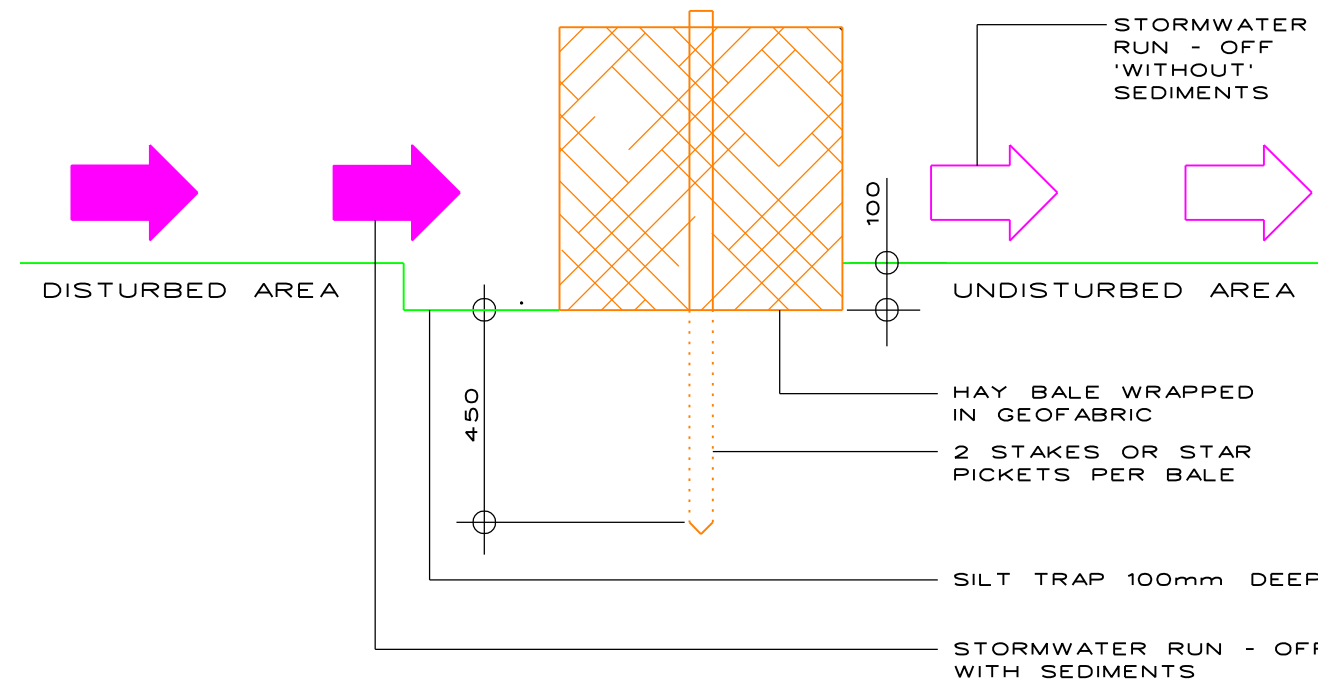
NEW SINGLW RESIDENTIAL DWELLING

ON SITE DETENTION

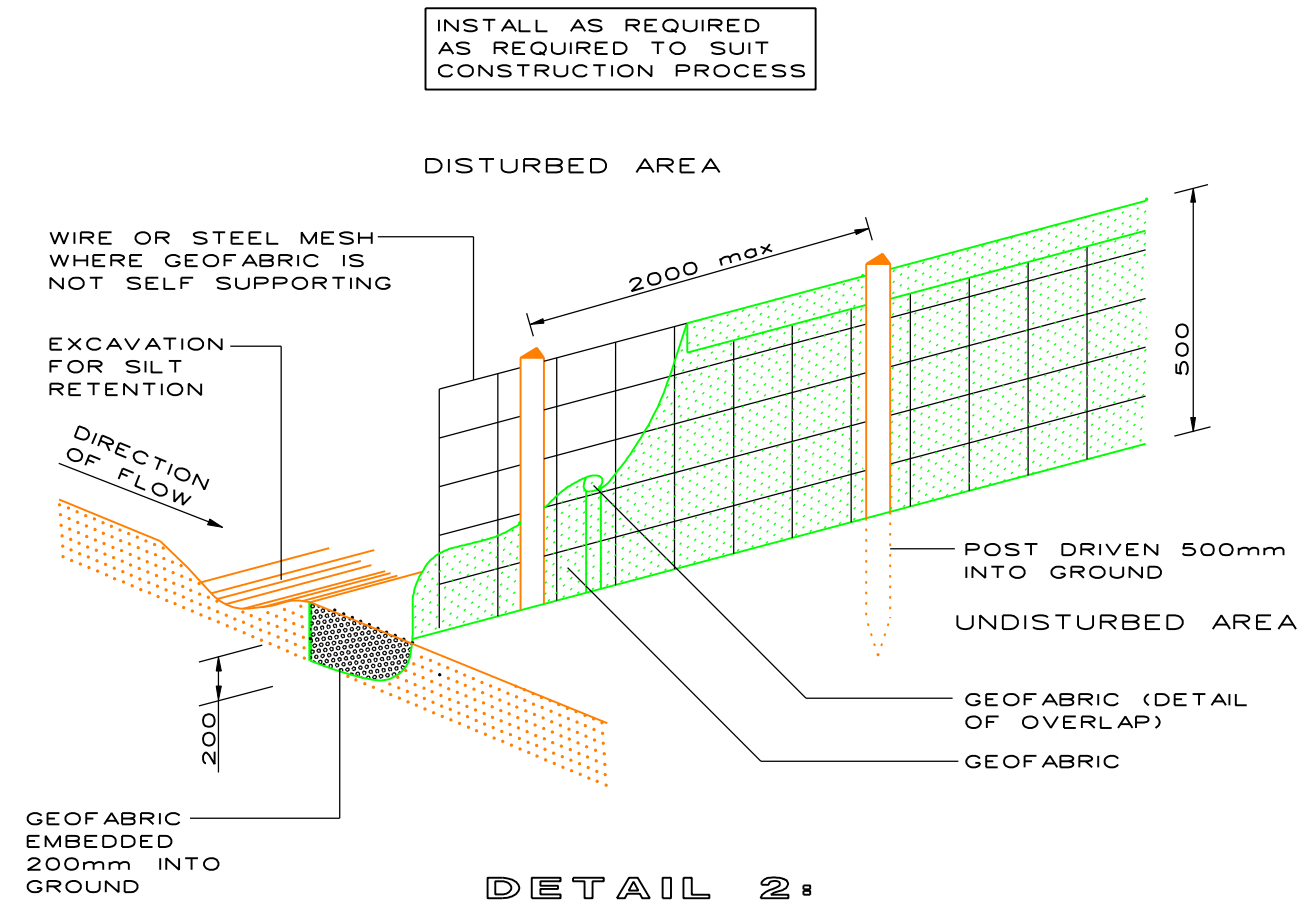
THE SITE IS LOCATED IN COUNCIL'S 'DETENTION EXEMPTION AREA'. ON SITE DETENTION IS THEREFORE NOT REQUIRED.

RAINWATER COLLECTION

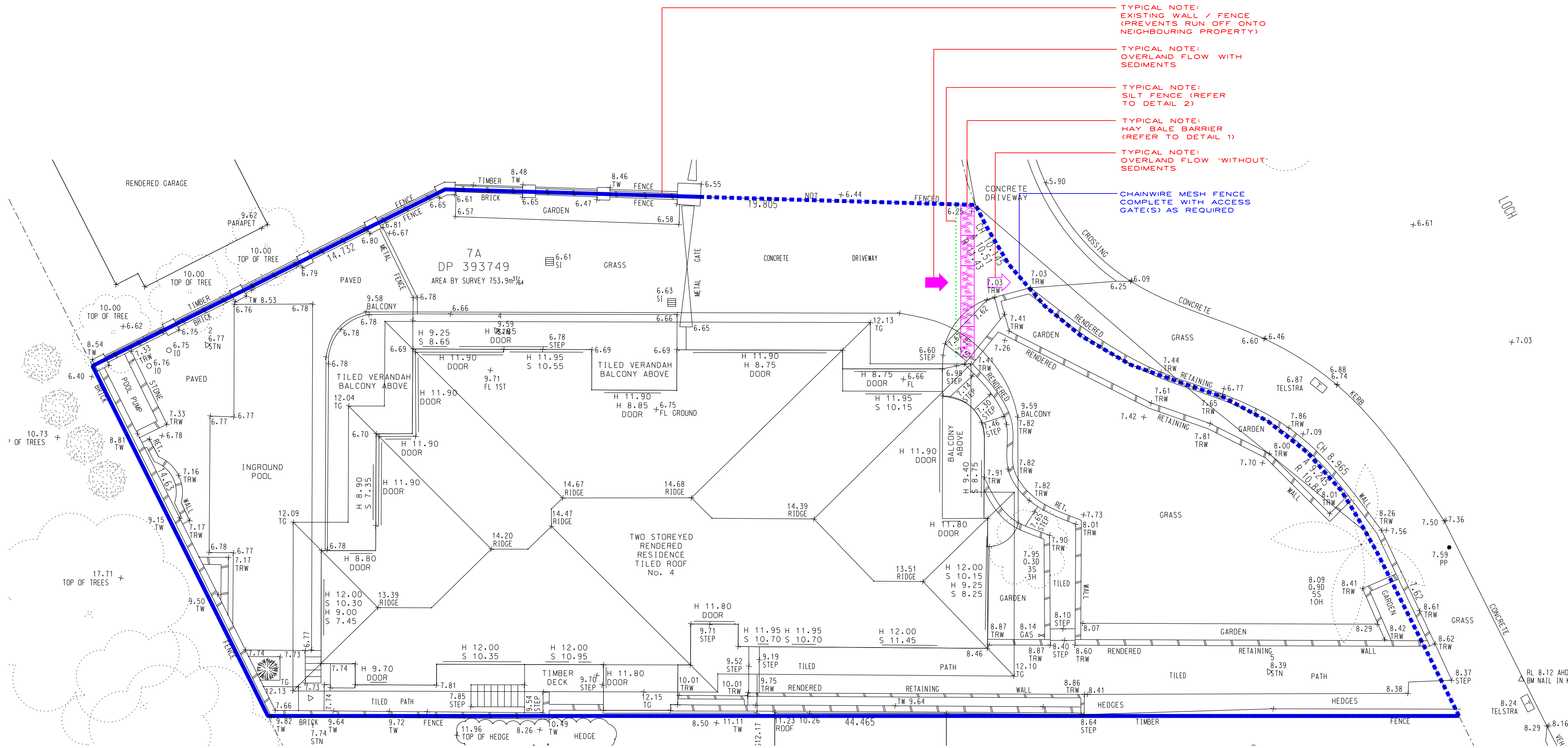
A RAINWATER COLLECTION TANK IS PROPOSED IN LINE WITH THE BASIX REPORT. REFER TO DRAWING H - DA2 - 02 FOR DETAILS.



DETAIL 1:
HAY BALE BARRIER
NTS



DETAIL 2:
SILT FENCE
NTS



SEDIMENTATION CONTROL DURING CONSTRUCTION

APPROVAL

REV	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	24.08.21

CLIENT
PATRIZIA & BARNI
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ARCHITECT
X.PACE

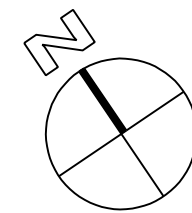
itmdesign
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PROJECT
4 LOCH MAREE
PLACE
VAUCLUSE

DRAWING TITLE
LEGEND AND
SEDIMENTATION
CONTROL

SCALE 1:100 @ A1 / 1:200 @ A3	JOB No 19 / 67
DISCIPLINE HYD	DRAWING No H-DA2-00
	REVISION A

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



STWDAWING

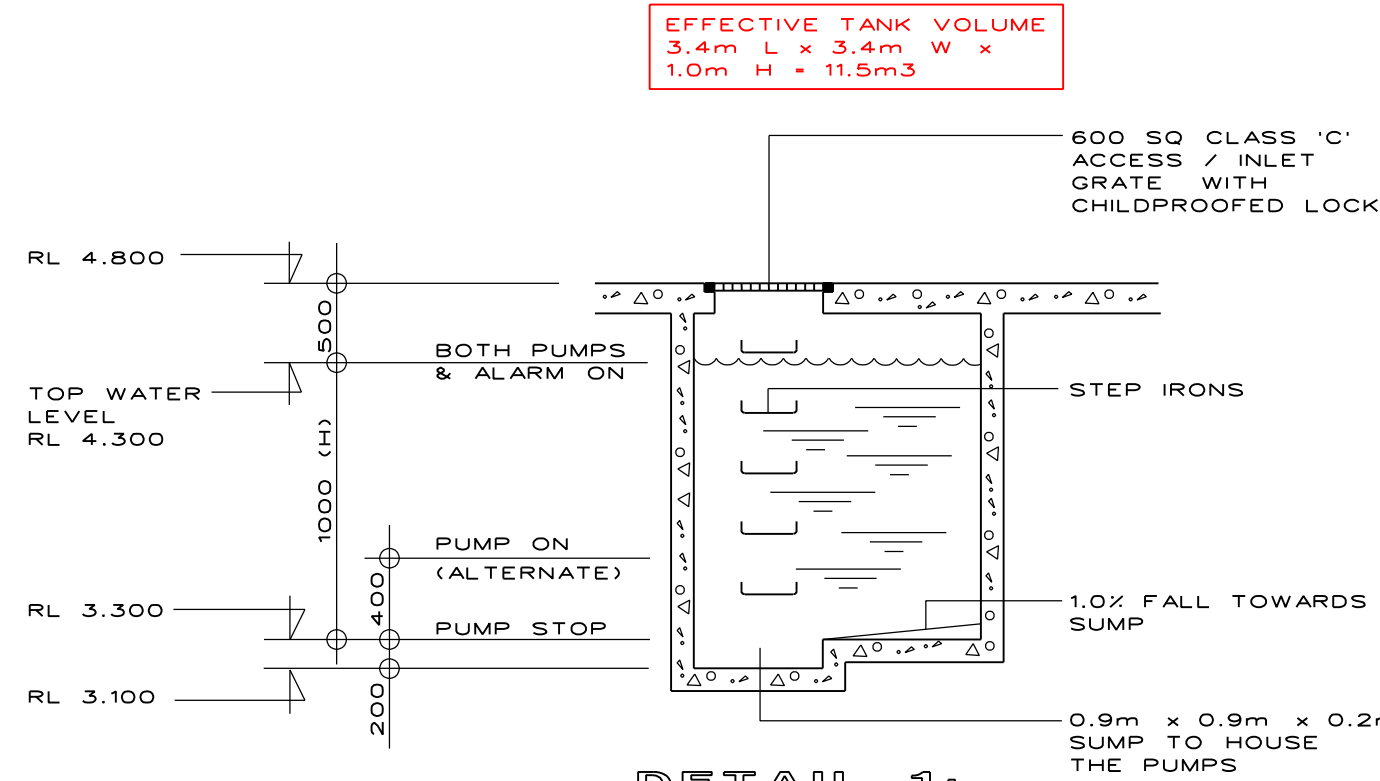
STORMWATER DA
DRAWING ONLY

- 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

LANDSCAPING DRAINAGE

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

NOTES
FOR GENERAL NOTES AND LEGEND
REFER TO DRAWING H - DA2 - 00



DETAIL 1:
DIAGRAMMATIC SECTION
THROUGH STORMWATER
PUMP OUT PIT
NTS

STORMWATER PUMP OUT PIT COMPLETE WITH:

- DUAL PUMPS
- LOCKED CLASS 'C' INLET / ACCESS GRATE (600 SQ)
- CONTROL PANEL
- AUDIBLE HIGH LEVEL ALARM
- FLOAT SWITCHES (ALTERNATE PUMP RUN) (EACH PUMP)
- STEP IRONS

PIT MATERIAL / CONSTRUCTION TO BE CO -
ORDINATED WITH STRUCTURAL &
GEOTECHNICAL ENGINEERS. PAY SPECIAL
ATTENTION TO GROUNDWATER PRESSURE
AND POSSIBLE 'UPLIFT'.

PIT SIZE:

- 82.0m² OF AREAS 'OPEN TO THE
SKY' ARE DISCHARGING INTO THE PIT
- ASSUMED SEEPAGE INFLOW RATE:
0.2 ltrs / sec
(TO BE VERIFIED DURING CONSTRUCTION)
- EMERGENCY STORAGE REQUIRED FOR
THE FOLLOWING DURATION (ASSUMING
THE PUMPS MALFUNCTION AND / OR
THERE IS A BLACKOUT): 2 HOURS = 11.5m³

APPROX. LOCATION OF EXISTING
COUNCIL KERB INLET PIT
GRATE RL 5.570
BASE RL 4.970

PAY ALL FEES AND
CHARGES. LOCATE AND
CONNECT TO EXISTING
COUNCIL PIT IN ACCORDANCE
WITH AUTHORITIES
REQUIREMENTS.

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 COILS.
FINAL LOCATION AND EXTENT
TO BE CO - ORDINATED WITH:
- STRUCTURAL ENGINEER
- GEOTECHNICAL ENGINEER
- LANDSCAPING CONSULTANT
- CONTRACTOR
- SOIL CONDITIONS

HATCHED AREA INDICATES
EXTENT OF AREAS OPEN
TO THE SKY DISCHARGING
INTO THE PUMP OUT PIT

TRENCH DRAIN 200mm W x
200mm D COMPLETE WITH
CLASS 'C' GRATE (GRATE TYPE
TO BE AGO MESH STEEL
OR APPROVED EQUAL)

KERB INLET PIT COMPLETE
WITH 2.4m LONG PRECAST LINTEL
AND CLASS 'D' BICYCLE FRIENDLY
TYPE GRATE
GRATE RL 6.090
BASE RL 5.490
ALL IN ACCORDANCE WITH
COUNCIL'S REQUIREMENTS

FOOTPATH CROSSING WITH
SEWER GRADE PVC PIPE IN
ACCORDANCE WITH AUTHORITIES
REQUIREMENTS (TO BE CO -
ORDINATED WITH POSSIBLE
EXISTING SERVICES)

REV	DESCRIPTION	DATE
A	ISSUED FOR APPROVAL	24.08.21

CLIENT
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PROJECT
4 LOCH MAREE
PLACE
VAUCLUSE

APPROVAL

DRAWING TITLE
BASEMENT
STORMWATER
DRAINAGE

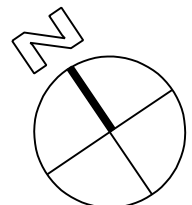
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DISCIPLINE
HYD

DRAWING No
H-DA2-01

REVISION
A

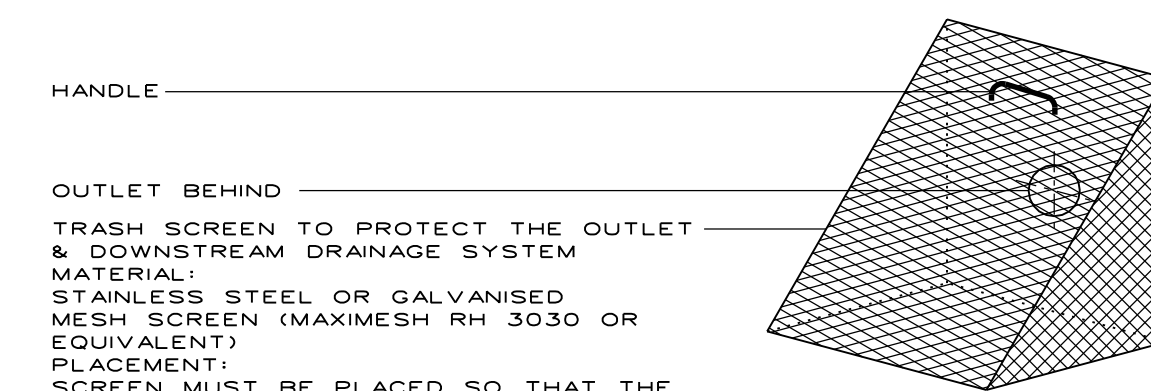
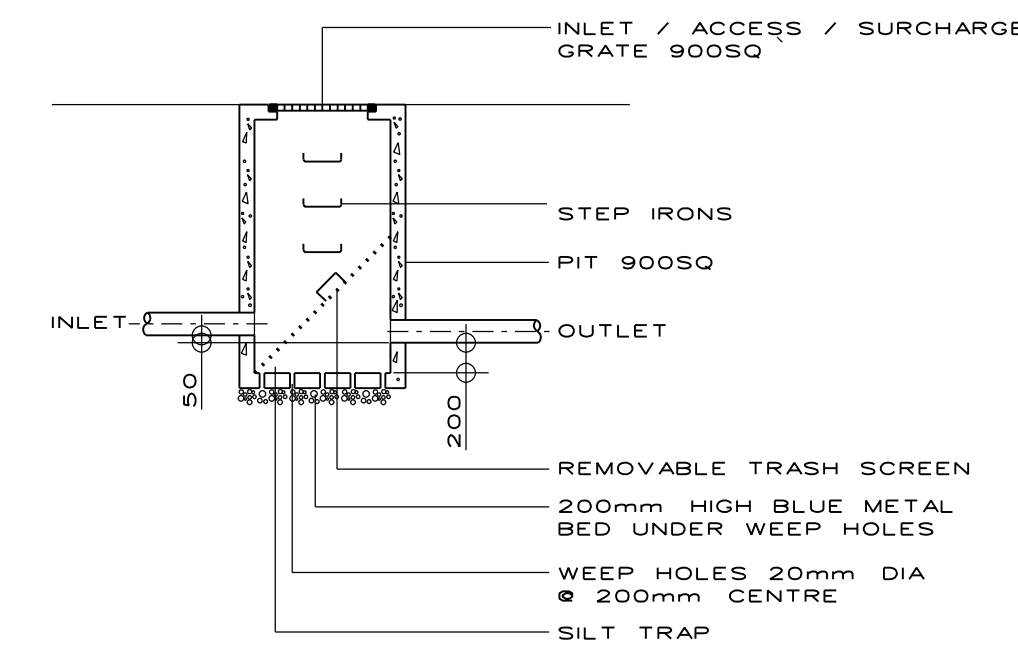
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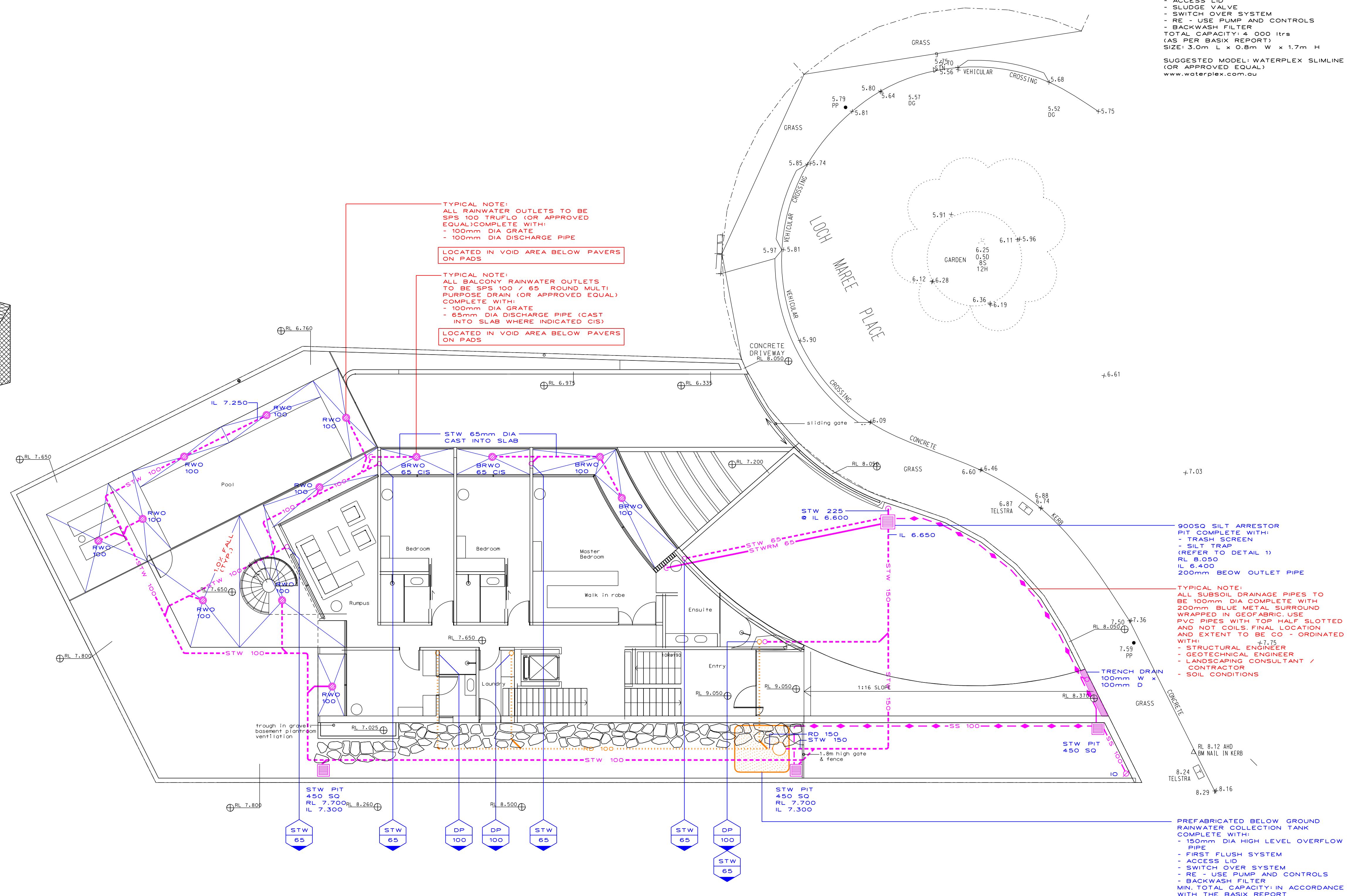
STW DA DRAWING

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ALL LANDSCAPED AREAS LOCATED ABOVE CONCRETE SLABS
TO BE EQUIPPED WITH WATERPROOFING MEMBRANE,
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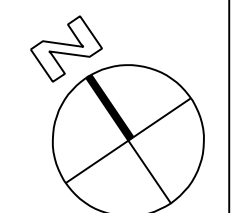
DETAIL 1:
SILT ARRESTOR PIT
& TRASH SCREEN
NTS



FOR GENERAL NOTES AND LEGEND
REFER TO DRAWING H - DA2 - 00

- 1 ABOVE GROUND RAINWATER COLLECTION
TANK COMPLETE WITH:-
- PIPES, HIGH LEVEL OVERFLOW 1500mm DIA
 - FIRST FLUSH SYSTEM
 - INLET SCREEN
 - ACCESS LID
 - SLUDGE VALVE
 - SWITCH OVER SYSTEM
 - RE USE PUMP AND CONTROLS
 - BACKWASH FILTER
- TOTAL CAPACITY: 4 000 ltrs
(AS PER BASIX REPORT)
- SIZE: 3.0m L x 0.5m W x 1.7m H
- SUGGESTED MODEL: WATERPLEX SLIMLINE
(OR APPROVED EQUIVALENT)
- www.waterplex.com.au

APPROVAL

[illegible]

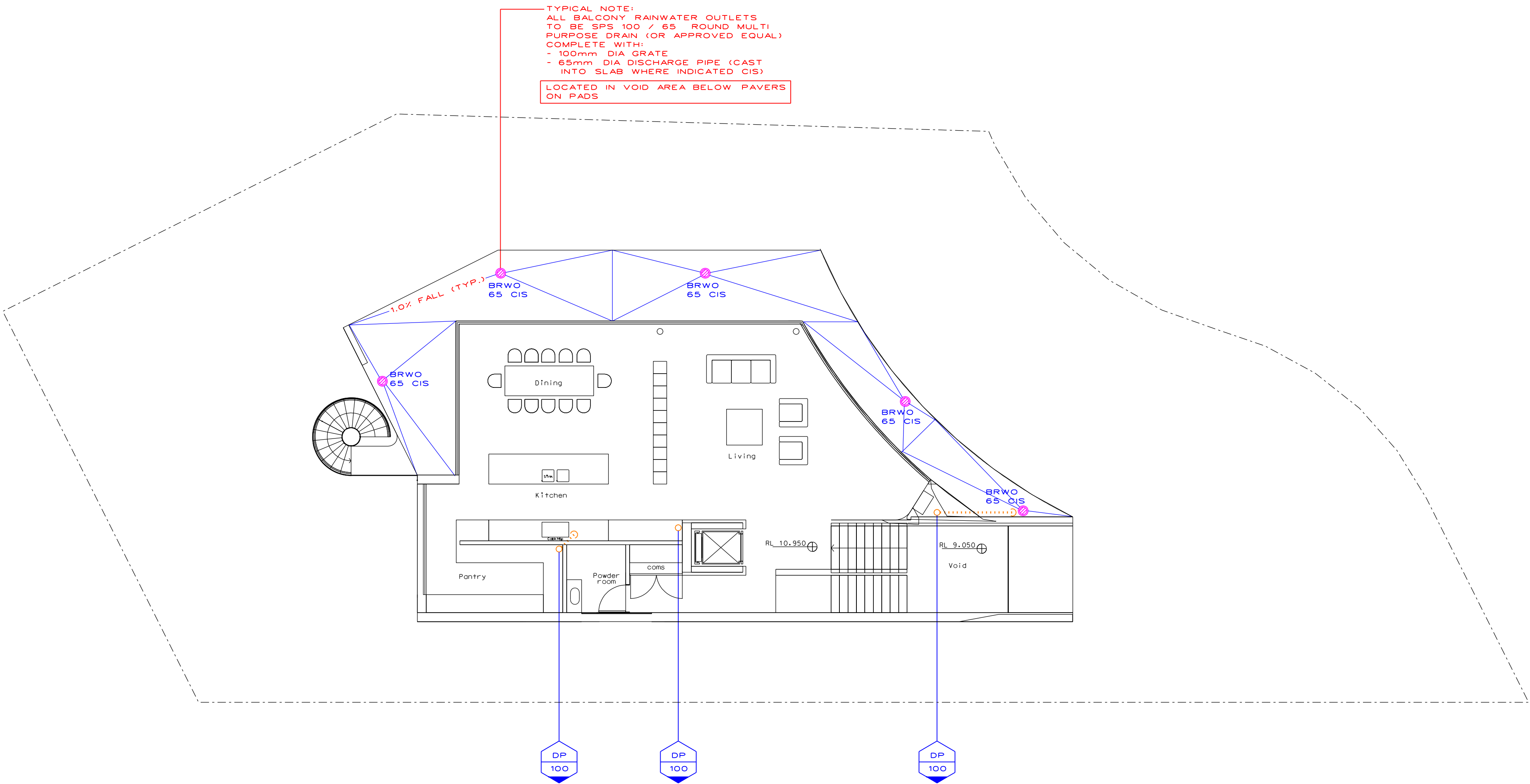
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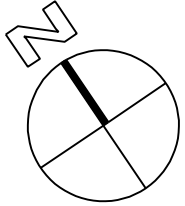
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PROJECT
4 LOCH MARIE
PLACE
VAUCLUSE

DRAWING TITLE
LEVEL 01
STORMWATER
DRAINAGE

SCALE
1:100 @ A1 / 1:200 @ A3
JOB No
19 / 67

DISCIPLINE
HYD
DRAWING No
H-DA2-03
REVISION
A

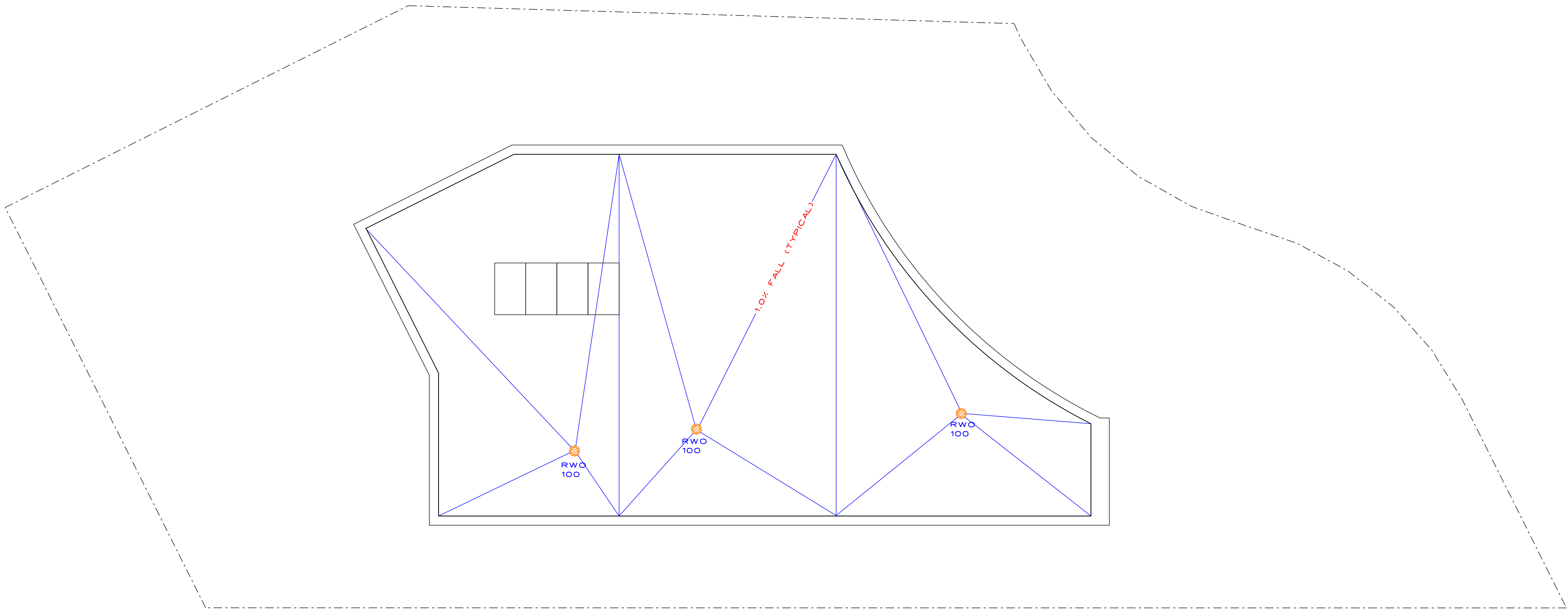
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STW DA DRAWING

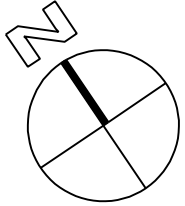
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PROJECT
4 LOCH MARIE
PLACE
VAUCLUSE

DRAWING TITLE
ROOF
STORMWATER
DRAINAGE

SCALE
1:100 @ A1 / 1:200 @ A3
JOB No
19 / 67

DISCIPLINE
HYD
DRAWING No
H-DA2-04
REVISION
A

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STW DA DRAWING