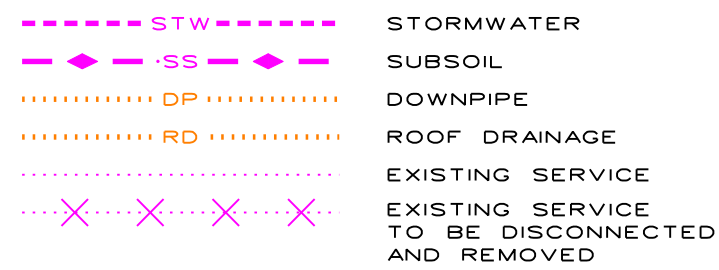
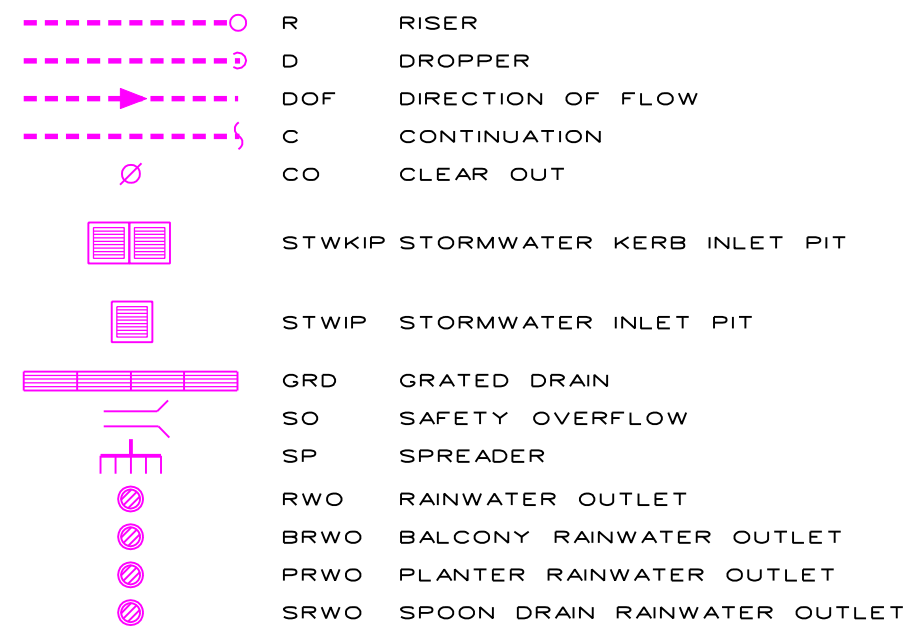


PIPEWORK



PIPEWORK SYMBOLS



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 1:100 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)

GENERAL

TOTAL SITE AREA: 833.3m2

PROPOSED WORKS

ALTERATIONS AND ADDITIONS TO EXISTING SINGLE DWELLING. CONVERSION TO 3 RESIDENTIAL UNITS.

ON SITE DETENTION (OSD)

THE PROPERTY IS LOCATED IN COUNCIL'S DETENTION EXEMPTION AREA

POINT OF DISCHARGE

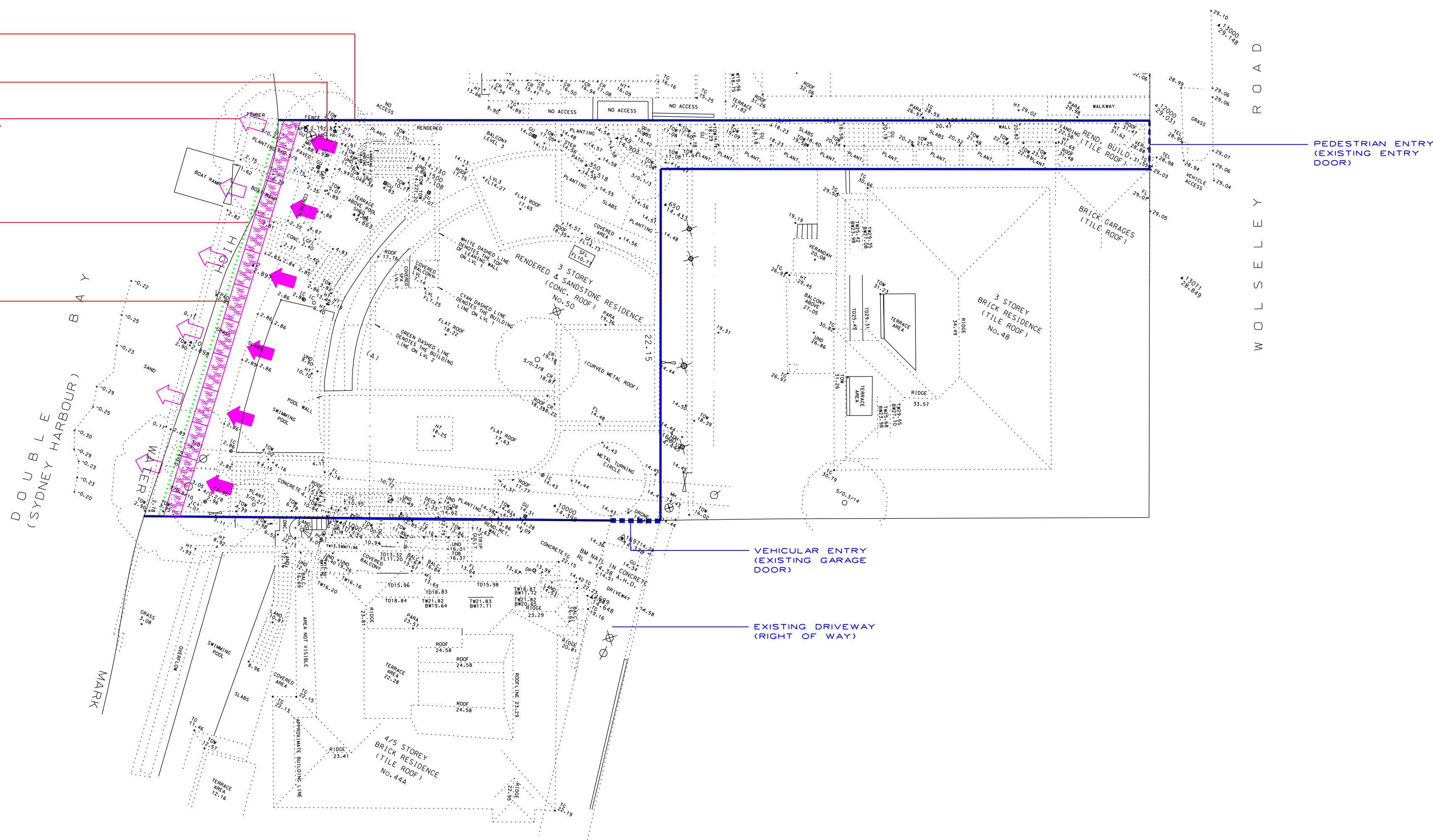
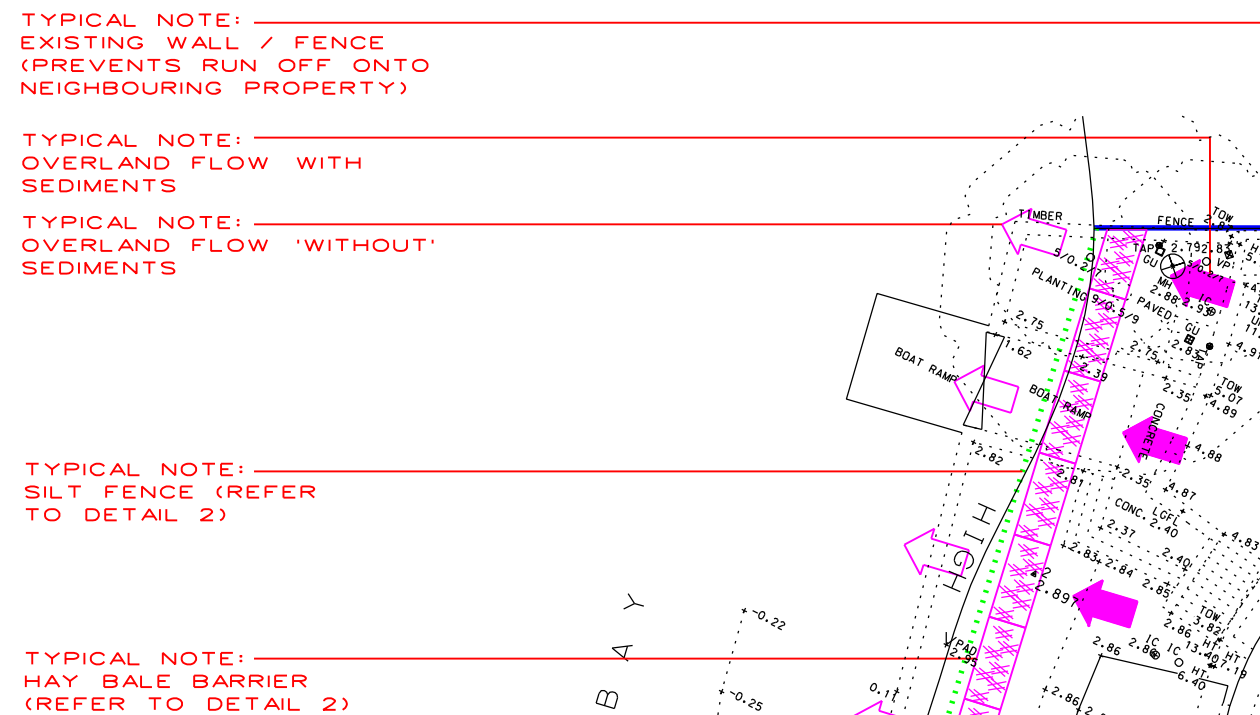
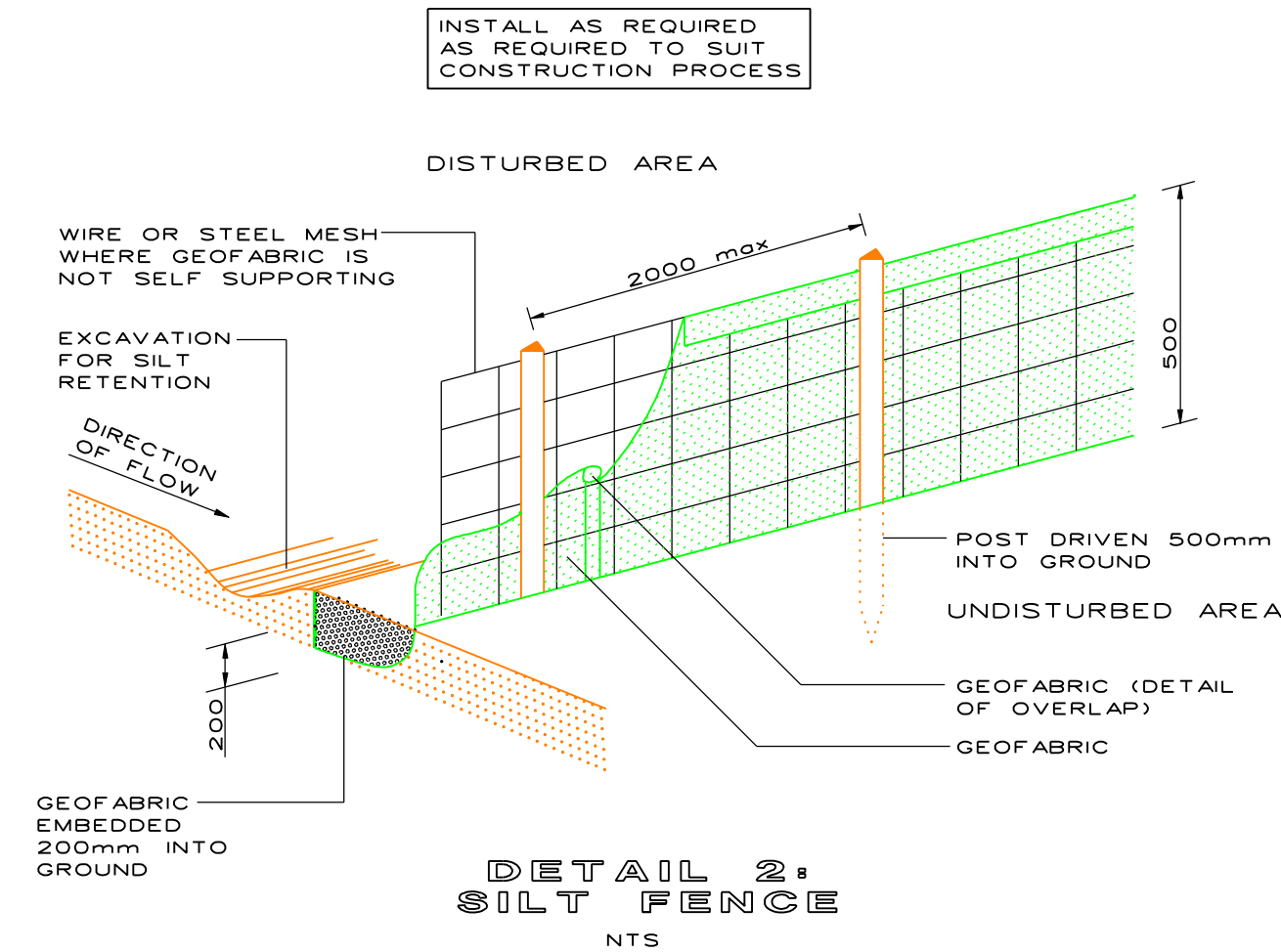
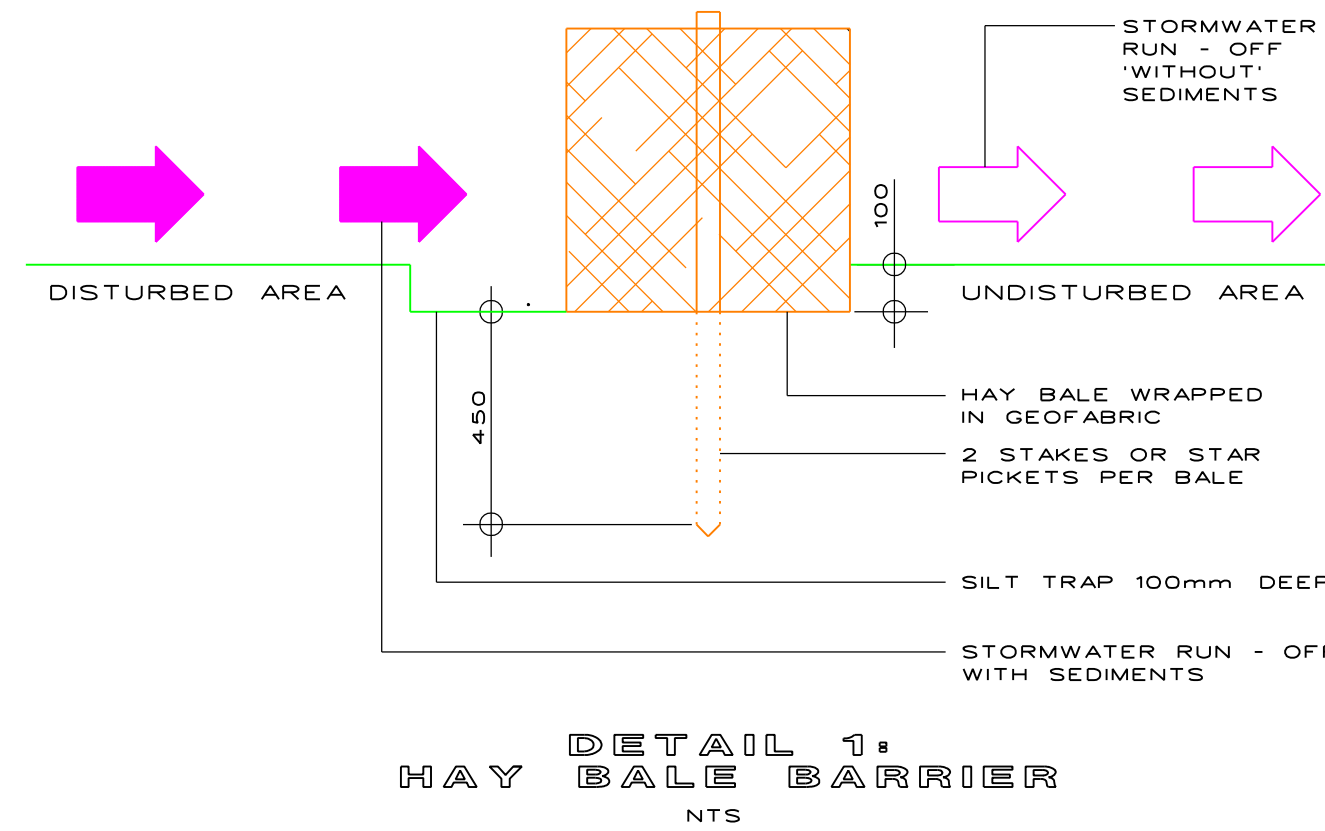
DISCHARGE INTO WATSONS BAY (SYDNEY HARBOUR)

WATER SENSITIVE URBAN DESIGN (WSUD)

TREATMENT DEVICE IS PROPOSED IN LINE WITH COUNCIL'S REQUIREMENTS AND THE MUSIC MODEL. REFER TO DRAWING H - DA - 01 FOR FURTHER DETAILS.

RAINWATER COLLECTION

A RAINWATER COLLECTION TANK IS PROPOSED IN LINE WITH THE BASIX REPORT. REFER TO DRAWING H - DA - 01 FOR DETAILS.



SEDIMENTATION CONTROL DURING CONSTRUCTION

APPROVAL

REV	DESCRIPTION	DATE
B	RE - ISSUED FOR DA	18.11.20
A	ISSUED FOR DA	14.05.20
REV	DESCRIPTION	DATE

CLIENTS
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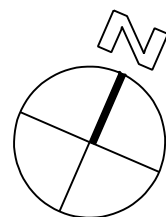
PROJECT
50 WOLSELEY
ROAD
POINT PIPER

DRAWING TITLE
LEGEND, DETAILS &
SEDIMENTATION
CONTROL

SCALE
1:200 @ A1 / 1:400 @ A3
JOB No
19/192

DISCIPLINE
HYD
DRAWING No
H-DA-00
REVISION
B

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

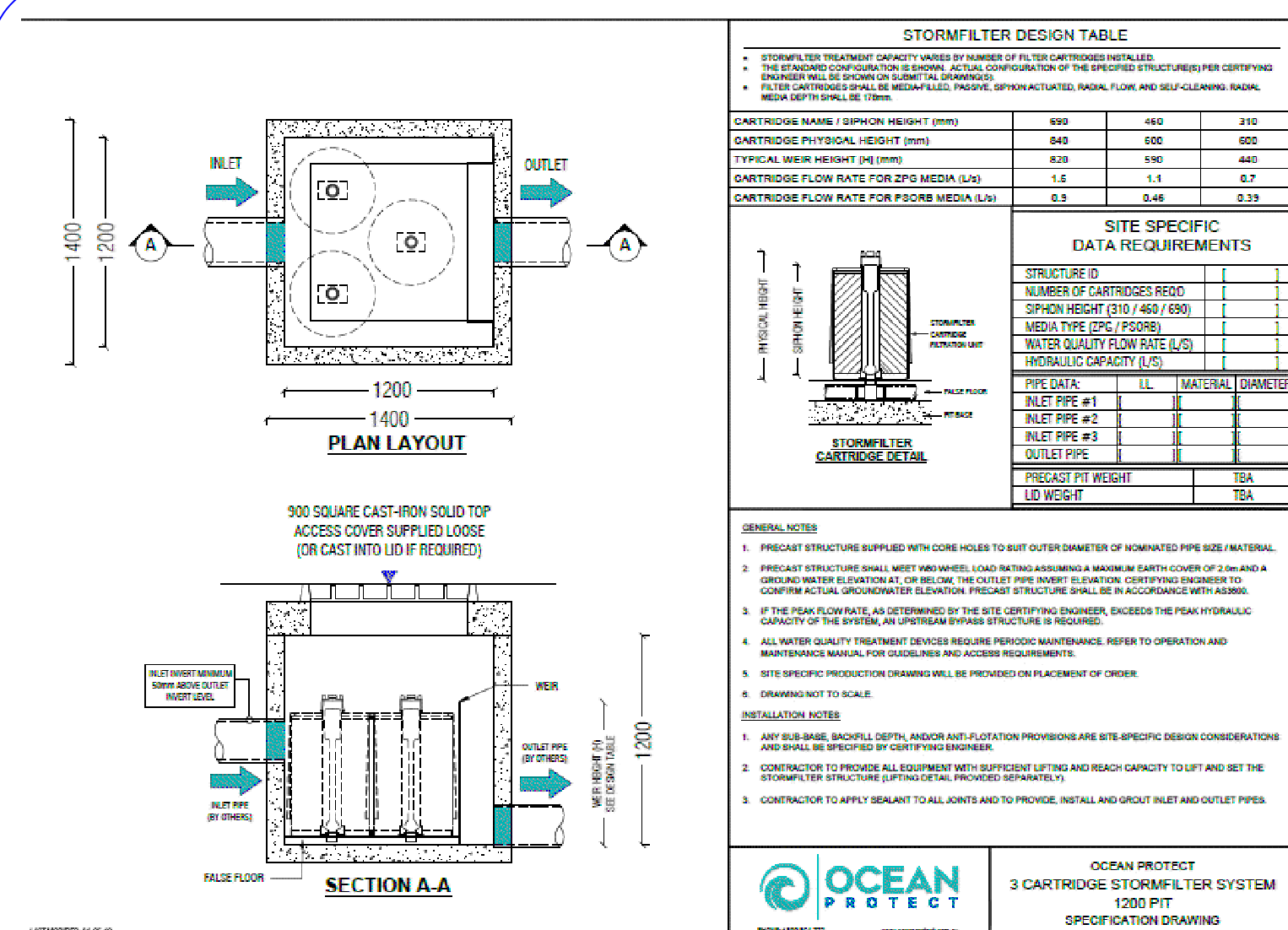


STW D A D R A W I N G

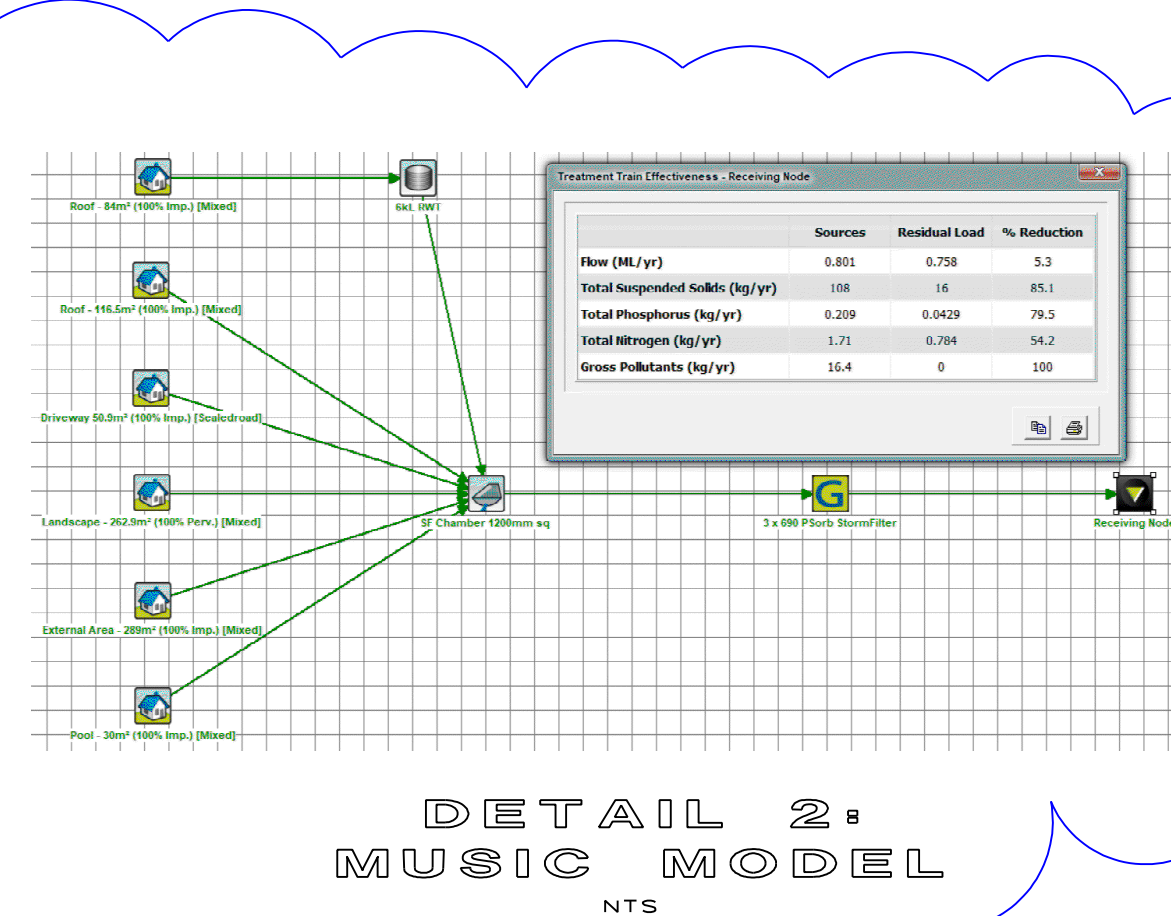
- NOT FOR CONSTRUCTION
- FINAL LOCATION OF ALL DOWNPIPES, PITS, RAINWATER OUTLETS AND SUBSOIL PIPES TO BE CONFIRMED DURING CONSTRUCTION CERTIFICATE STAGE OF THE PROPOSED DEVELOPMENT

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

DURING DEMOLITION / CONSTRUCTION: ALLOW TO INVESTIGATE EXACT LOCATION, SIZE AND CONDITION OF ALL DRAINAGE PIPES. LIAISE WITH itm design TO DISCUSS THE FINDINGS. ALLOW TO REPLACE / UPGRADE AS REQUIRED.



DETAIL 1:
TREATMENT DEVICE DETAILS



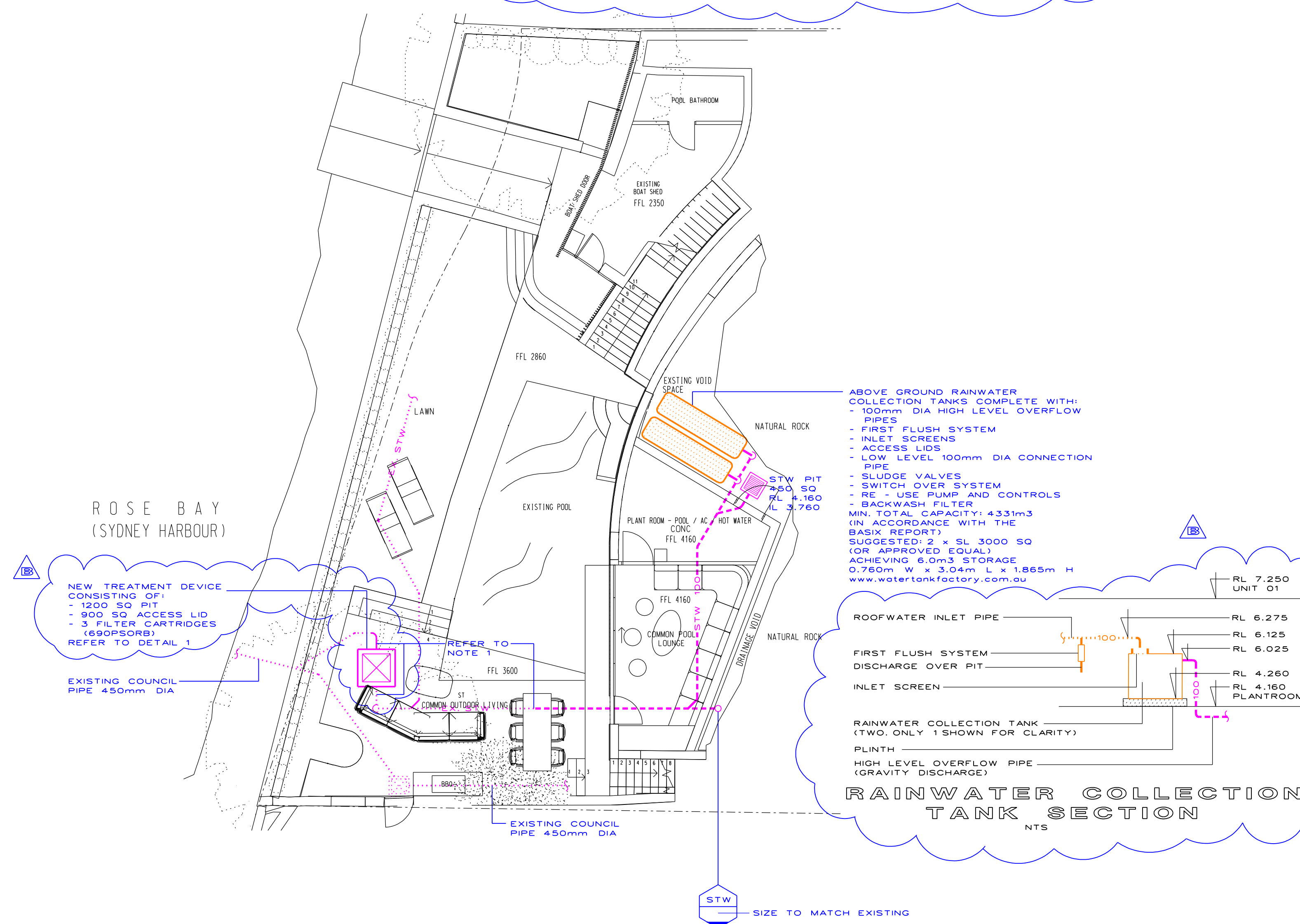
DETAIL 2: MUSIC MODEL

TYPICAL NOTE:

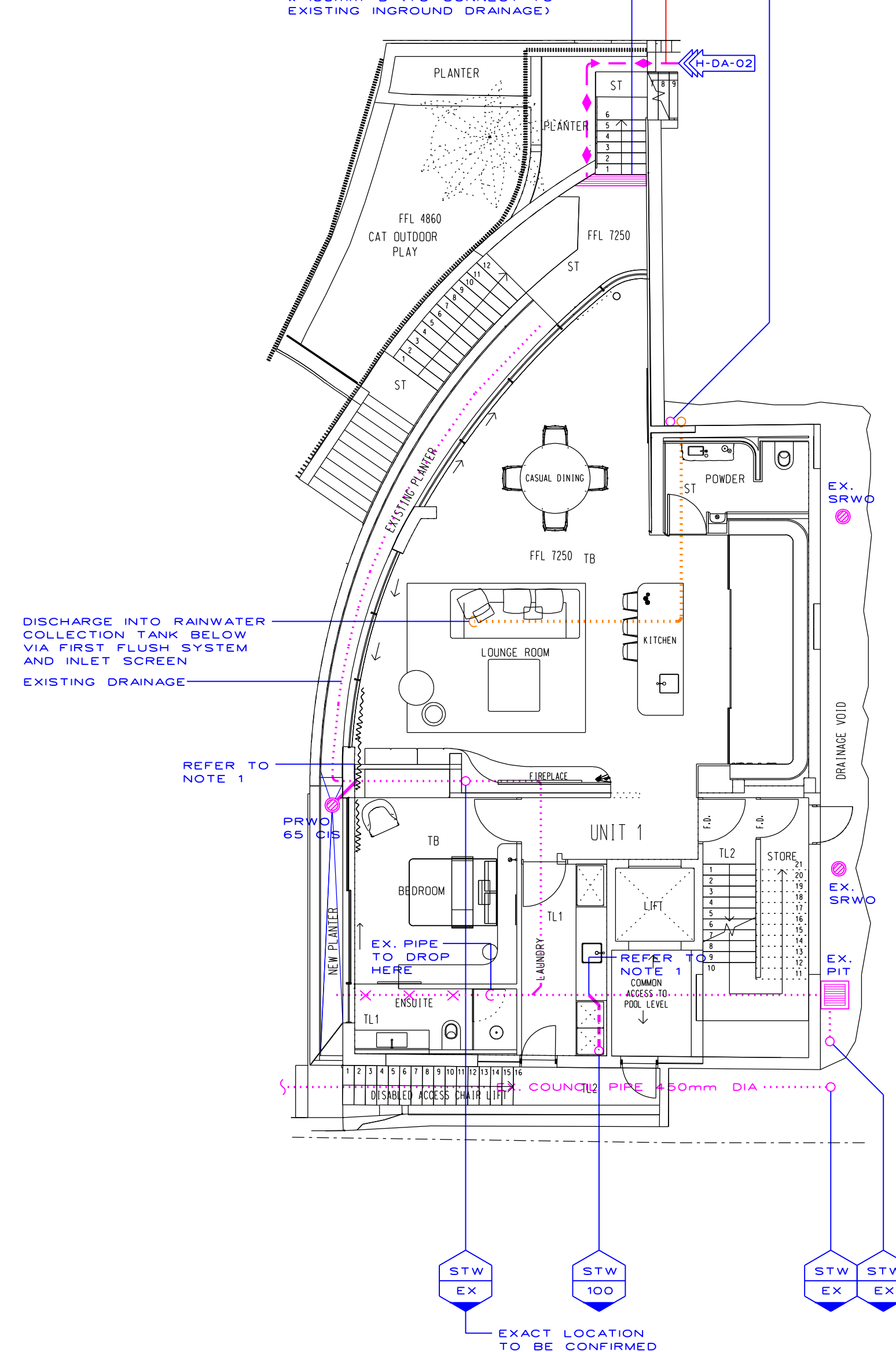
ALL SUBSOIL DRAINAGE PIPES TO BE 100mm DIA COMPLETE WITH 200mm BLUE METAL SURROUND WRAPPED IN GEOPAFRAC, USE PVP RESIN WITH TOP HALF SLOTTED AND NOT COILS. FINAL LOCATION AND EXTENT TO BE CO - ORDINATED WITH:

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

NEW TRENCH DRAIN 100mm W
x 100mm D (TO CONNECT TO
EXISTING INGROUND DRAINAGE)



RAINWATER COLLECTION TANK SECTION



UNIT 01 LEVEL

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

① LOCATE AND CONNECT TO EXISTING
DRAINAGE SYSTEM (EXACT LOCATION
TO BE VERIFIED ON SITE)

POOL AND PLANT SPACE

APPROVAL

B	RE - ISSUED FOR DA	18.11.20
A	ISSUED FOR DA	14.05.20
REV	DESCRIPTION	DATE

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PROJECT
50 WOLSELEY
ROAD
POINT PIPER

DRAWING TITLE

POOL & UNIT 01
LEVEL
STORMWATER

SCALE		JOB No
1:100 @ A1 / 1:200 @ A3		19 / 192
DISCIPLINE	DRAWING No	REVISION
HYD	H-D-A-01	B

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

STW DARDWIZ

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 GEOTABRIC

EXISTING DRAINAGE

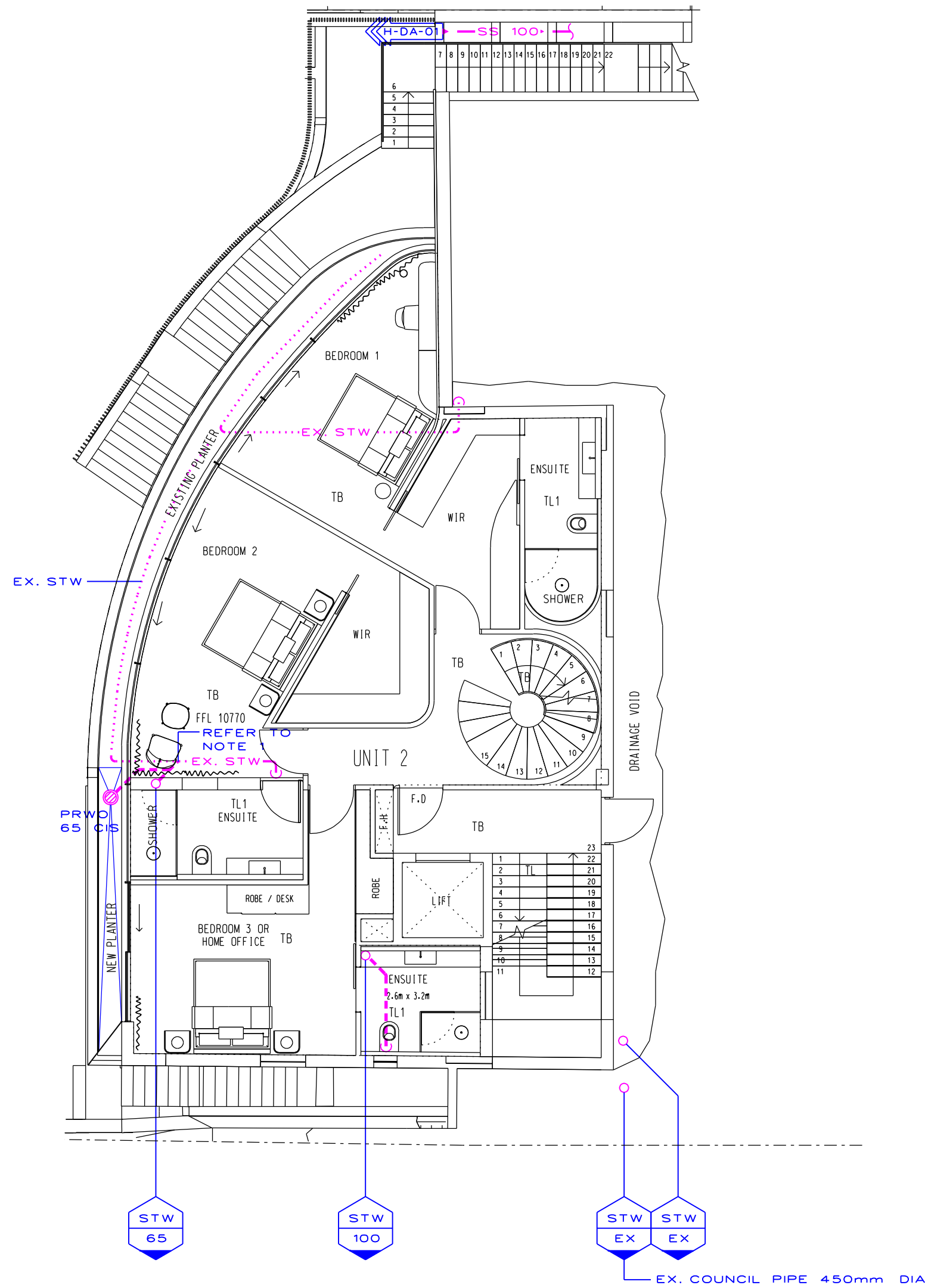
DURING DEMOLITION / CONSTRUCTION ALLOW TO INVESTIGATE
EXACT LOCATION, SIZE AND CONDITION OF ALL DRAINAGE PIPES.
LIAISE WITH ILM DESIGN TO DISCUSS THE FINDINGS. ALLOW TO
REPLACE / UPGRADE AS REQUIRED.

NOTES

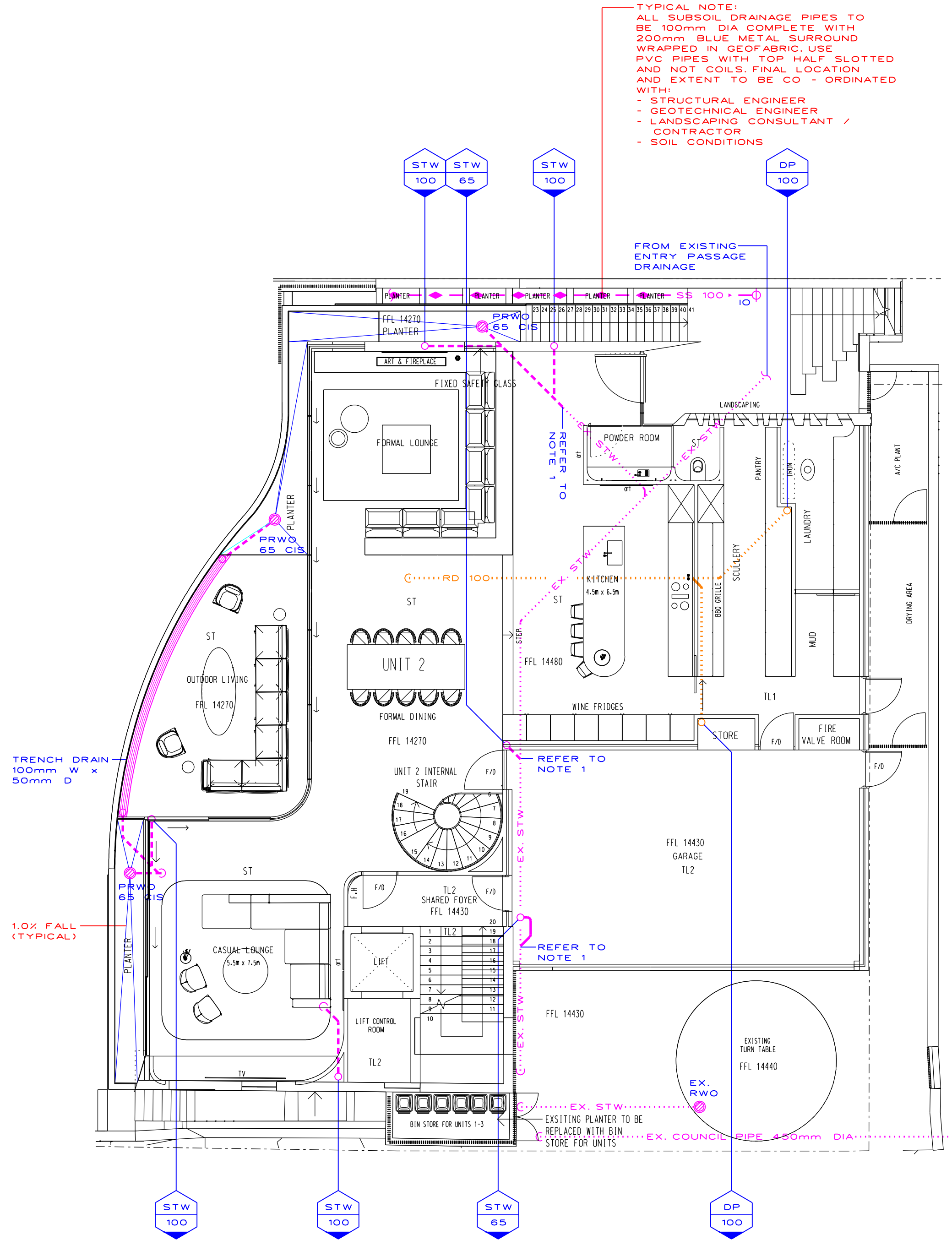
FOR GENERAL NOTES AND LEGEND
REFER TO DRAWING H - DA - 00

1 LOCATE AND CONNECT TO EXISTING
DRAINAGE SYSTEM (EXACT LOCATION
TO BE VERIFIED ON SITE)

TYPICAL NOTE:
ALL SUBSOIL DRAINAGE PIPES TO
BE 100mm DIA COMPLETE WITH
200mm BLUE METAL SURROUND
WRAPPED IN GEOTABRIC, 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



UNIT 02 - LOWER LEVEL



UNIT 02 - UPPER LEVEL

APPROVAL

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PROJECT
50 WOLSELEY
ROAD
POINT PIPER

DRAWING TITLE
UNIT 02 LEVELS
STORMWATER

SCALE
1:100 @ A1 / 1:200 @ A3

JOB No
19/192

DISCIPLINE
HYD

DRAWING No
H-DA-02

REVISION
B

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

- 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

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



ROOF

B	RE - ISSUED FOR DA	30.11.20
A	ISSUED FOR DA	14.05.20
REV	DESCRIPTION	DATE

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DRAWING TITLE
UNIT 03. ENTRY LEVELS & ROOF STORMWATER

SCALE 1:100 @ A1 / 1:200 @ A3

JOB No 18 / 182

DISCIPLINE	DRAWING No	REVISION
HYD	H-DA-03	B

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