

NOTES

1. THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL DRAWINGS, STRUCTURAL DRAWINGS AND THE SPECIFICATION.
2. PRIOR TO COMMENCEMENT OF WORKS THE CONTRACTOR SHALL SATISFY HIMSELF OF THE CORRECT LOCATION OF EXISTING SERVICES WHETHER INDICATED OR NOT ON THE PLANS. ANY DAMAGE TO EXISTING SERVICES SHALL BE RECTIFIED AT THE CONTRACTORS EXPENSE.
3. TRAFFIC MANAGEMENT MEASURES HAVE TO BE IMPLEMENTED AND MAINTAINED DURING CONSTRUCTION, ALL IN ACCORDANCE WITH COUNCIL'S REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN SAFE PEDESTRIAN ACCESS ALONG THE FOOTPATH.
4. THE CONTRACTOR SHALL EFFECT TEMPORARY DRAINAGE MEASURES TO AVOID LOCALISED PONDING OF SURFACE RUN-OFF.
5. REFER TO ARCHITECT'S DRAWINGS FOR ALL DETAILS (LEVELS, GRADING ETC.) OF DRIVEWAYS, CONCRETE AND PAVED AREAS, AND RETAINING WALL TYPES AND LOCATIONS.
6. REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR DETAILS AND EXTENT OF ALL LANDSCAPED AREAS.
7. ALL SWD PIPES ARE UPVC AT 1.0% MINIMUM GRADE (UNO).
8. SWD PITS CAN BE PRE-CAST SIZED AS FOLLOWS:
450mm SQ. UP TO 600mm DEEP
600mm SQ. UP TO 1000mm DEEP
9. ALL PITS LOCATED IN TRAFFICABLE AREAS, (IE, DRIVEWAYS) TO HAVE MEDIUM DUTY GRATED COVERS SUITABLE FOR WITHSTANDING LOADS ASSOCIATED WITH SMALL TRUCKS.
10. PROVIDE STEP IRONS TO ALL PITS GREATER THAN 1.2m DEEP.
11. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF WORKS.
12. TOPSOIL SHALL BE STRIPPED DN STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES. THIS TOPSOIL IS TO BE RESPREAD LATER ON AREAS TO BE REVEGETATED.
13. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES. ALL SILT REMOVED SHALL BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL DISTURBED AREAS ARE REVEGETATED AND FURTHER AS MAY BE DIRECTED BY THE SUPERINTENDENT OR COUNCIL.
14. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL UNTIL FINAL COMPLETION OF WORKS.

LEGEND

[RL 00.000]	NEW REDUCED LEVEL
GFL. 00.00	GROUND FLOOR LEVEL
FFL. 00.00	FINISH FLOOR LEVEL
A,B,C,D, etc.	REFER TO PIPE SCHEDULE
L1	PIPE LABEL
PIT P1	SURFACE INLET PIT
● DP	DOWNPIPE
□ RWH	RAIN WATER HEAD
[Symbol]	PIT: SIZE AS MARKED
[Symbol]	SEALED PIT: SIZE AS MARKED
[Symbol]	W:200mm x D:200mm GRATED DRAIN
[Symbol]	GROUND FALL
[Symbol]	OVERLAND FLOW
[Symbol]	UPVC PIPE TO RAIN WATER TANK
[Symbol]	UPVC DRAINAGE PIPE IN GROUND
[Symbol]	RWT OVERFLOW PIPE & OUTLET PIPE
[Symbol]	EXISTING DRAINAGE EASEMENT PIPE

www.dialbeforeyoudig.com.au



DRAWING TITLE

BASEMENT AND GROUND FLOOR DRAINAGE LAYOUT PLAN

SCALES

A1 - 1:100

DESIGNED

A.C.

DRAFTED

M.W.

DRAWING NO.

C22065-SW 100

APPROVED

A.C.

REVISION

F

DRAINAGE LAYOUT PLAN

SCALE : 1:100

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN. UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500
APPROXIMATE LOCATIONS OF EXISTING SERVICES SHOWN EXACT LOCATIONS & DEPTHS TO BE ACCURATELY LOCATED BY BUILDER CONTRACTOR BY CONTACTING THE RELEVANT AUTHORITIES BEFORE COMMENCEMENT OF ANY WORKS

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

DP = Ø100, UNO.
FD = FLOOR OUTLET, REFER TO DETAIL
SIP = SURFACE INLET PIT (NO LINTEL)
100Ø = Ø100 CHARGED LINE
IP = Ø150 INSPECTION POINT
RWH = RAIN WATER HEAD
RWO = RAIN WATER OUTLET (300 x 300)
FG = FLOOR GULLY Ø150
E = RAINWATER SPREADER
RL 16.85 = PROPOSED FINISHED SURFACE LEVEL

PLEASE NOTE - AS PER BASIX REPORT

- MINIMUM TANK SIZE TO BE 1000 LITRES
- MINIMUM ROOF CATCHMENT AREA OF 100 SQUARE METRES TO BE COLLECTED BY RAINWATER TANK



RAINWATER SIGN

NTS

GROUND FLOOR DRAINAGE PLAN

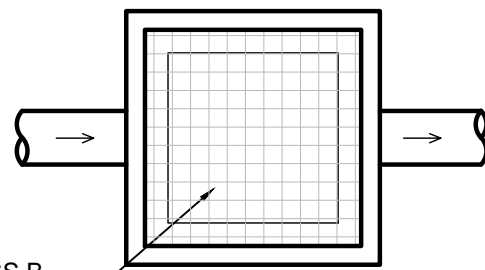
1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH) STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN. UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES TO BUILDER'S DETAIL, TYPICAL MINIMUM EFFECTIVE EAVES GUTTER SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

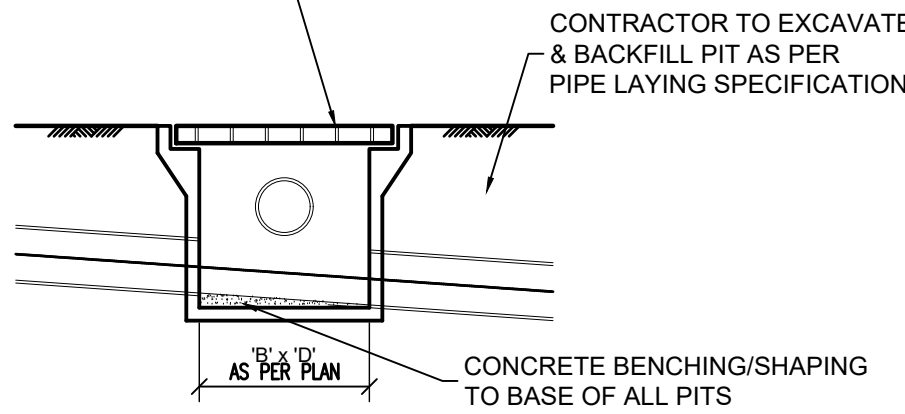
THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

DP = Ø100, UNO.
FD = FLOOR OUTLET, REFER TO DETAIL
SIP = SURFACE INLET PIT (NO LINTEL)
100Ø = Ø100 CHARGED LINE
IP = Ø150 INSPECTION POINT
RWH = RAIN WATER HEAD
RWO = RAIN WATER OUTLET (300 x 300)
FG = FLOOR GULLY Ø150
E = RAINWATER SPREADER
RL 16.85 = PROPOSED FINISHED SURFACE LEVEL



ACCESS GRATE CLASS B WITH CHILD PROOF "J" BOLT OR APPROVED EQUIVALENT. REFER TO PLAN FOR PIT SIZE.

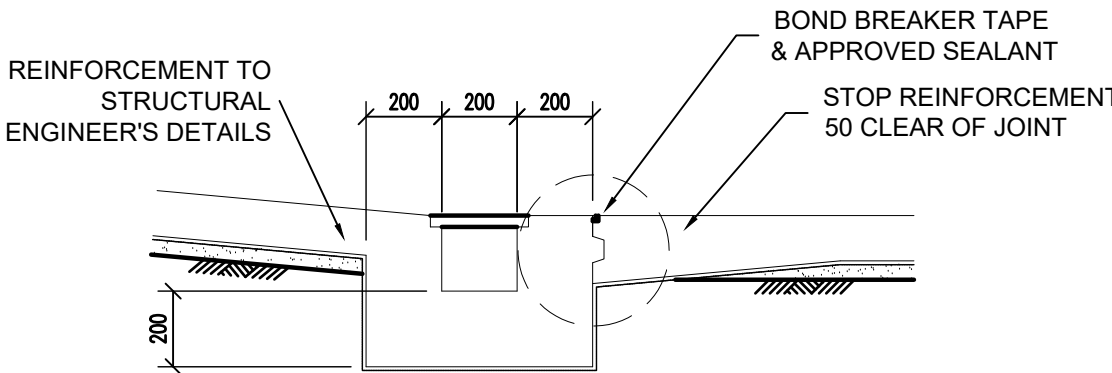
PLAN



CONTRACTOR TO EXCAVATE & BACKFILL PIT AS PER PIPE LAYING SPECIFICATION

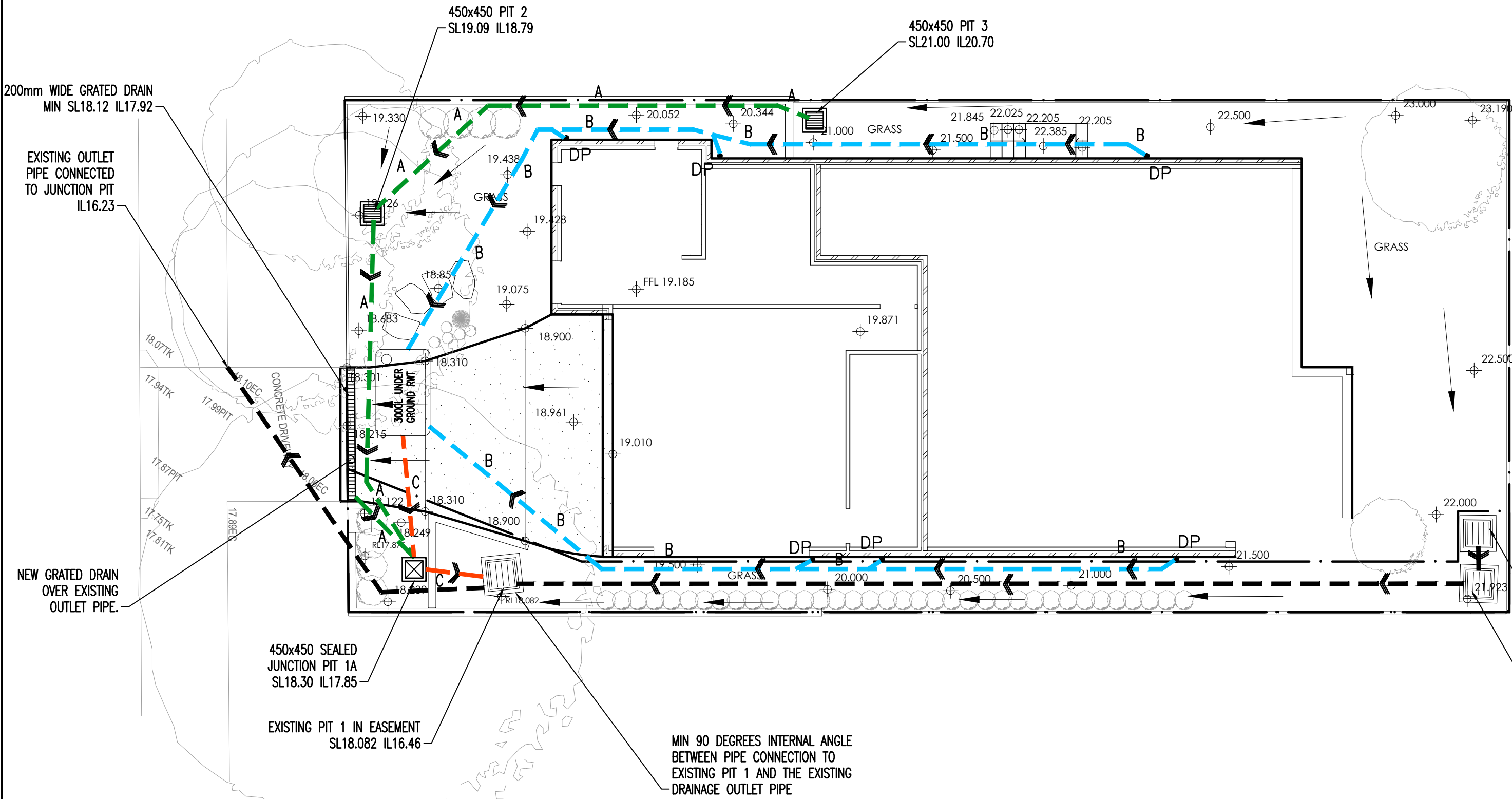
SECTION-TYPICAL SURFACE INLET PIT

TYPICAL FOR ALL PITS IN NON-TRAFFIC AREAS



SECTION-TYPICAL GRATED DRAIN

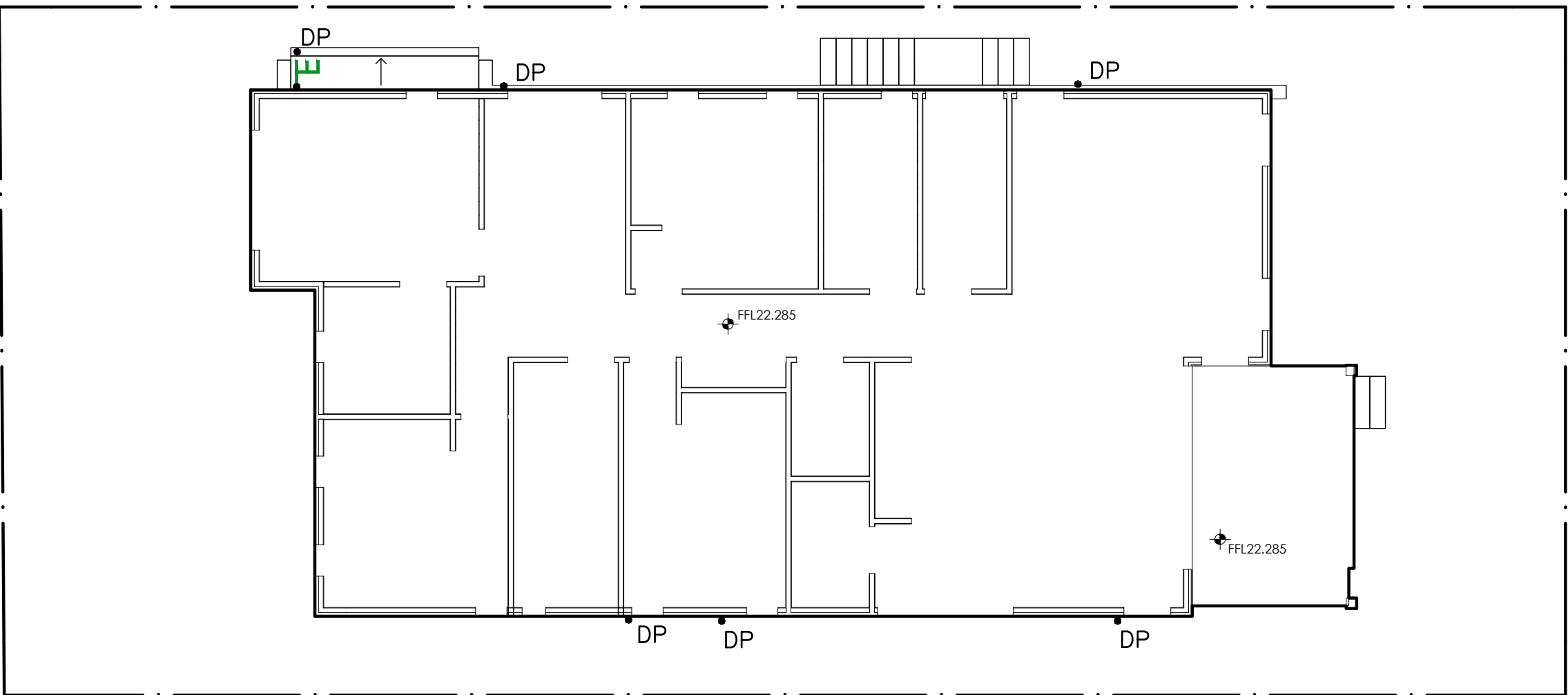
NTS



EXISTING PIT 4 IN EASEMENT SL21.96 IL19.43

EXISTING PIT 5 IN EASEMENT SL21.923 IL19.40

MIN 90 DEGREES INTERNAL ANGLE BETWEEN PIPE CONNECTION TO EXISTING PIT 1 AND THE EXISTING DRAINAGE OUTLET PIPE



F	ISSUED FOR APPROVAL	19/05/2023			
E	ISSUED FOR APPROVAL	18/05/2023			
D	RWT MOVED	11/05/2023			
C	MINOR AMENDMENTS	05/10/2022			
B	MINOR AMENDMENTS	27/09/2022			
A	PRELIMINARY DESIGN	20/09/2022			
REVISION	AMENDMENT	ISSUE DATE	ISSUE	ISSUED TO	ISSUE DATE



SUITE 303 / 29-31 LEXINGTON DRIVE
NORWEST BUSINESS PARK,
BELLA VISTA N.S.W. 2153
ALL CORRESPONDENCE TO:
P.O. BOX 6080 BAULKHAM HILLS BC
BAULKHAM HILLS NSW 2153
PH. 8814 6191 FAX 8814 5301 MOB. 0425 270 333
EMAIL. andrew@camconsulting.com.au

PROJECT
PROPOSED DEVELOPMENT
LOT 2, 6 ORCHARD STREET
WARRIEWOOD
CLIENT
SKYCORP
ARCHITECT / PROJECT MANAGER
PTI ARCHITECTURE

DRAWING TITLE

BASEMENT AND GROUND FLOOR DRAINAGE LAYOUT PLAN

SCALES

A1 - 1:100

DESIGNED

A.C.

DRAFTED

M.W.

DRAWING NO.

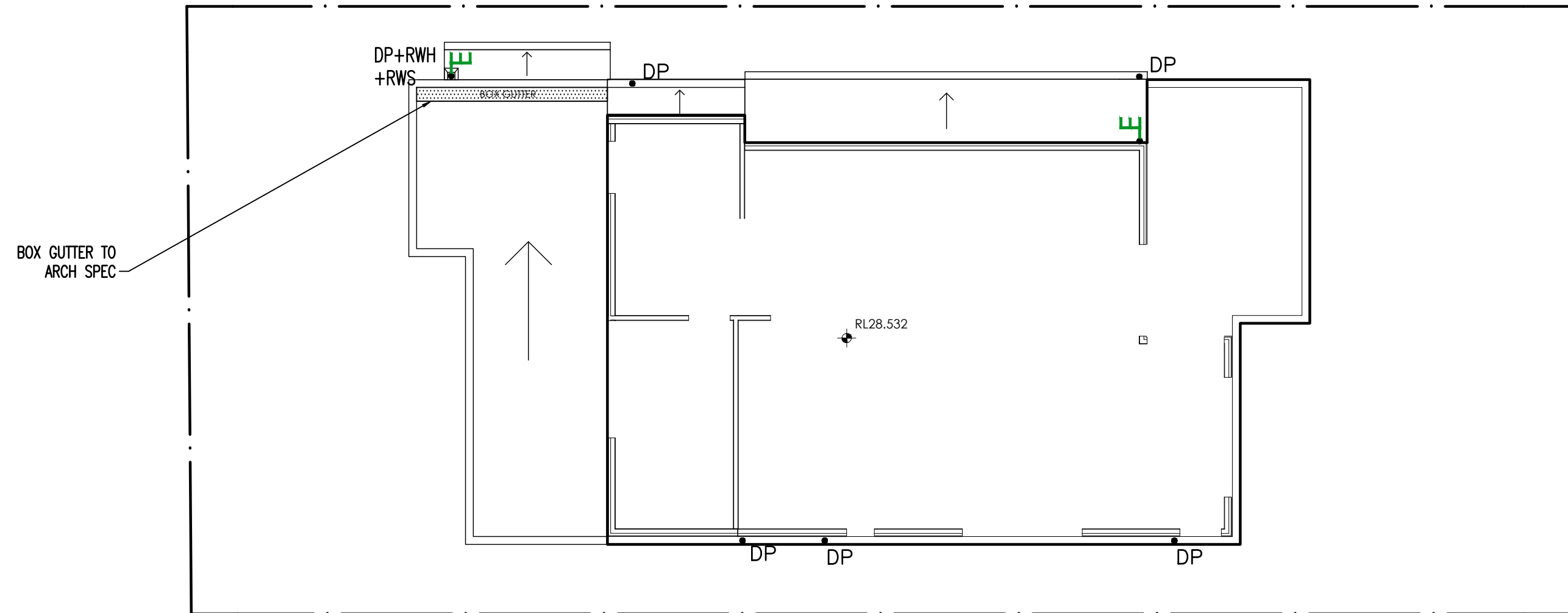
C22065-SW 100

APPROVED

A.C.

REVISION

F



FIRST FLOOR DRAINAGE PLAN

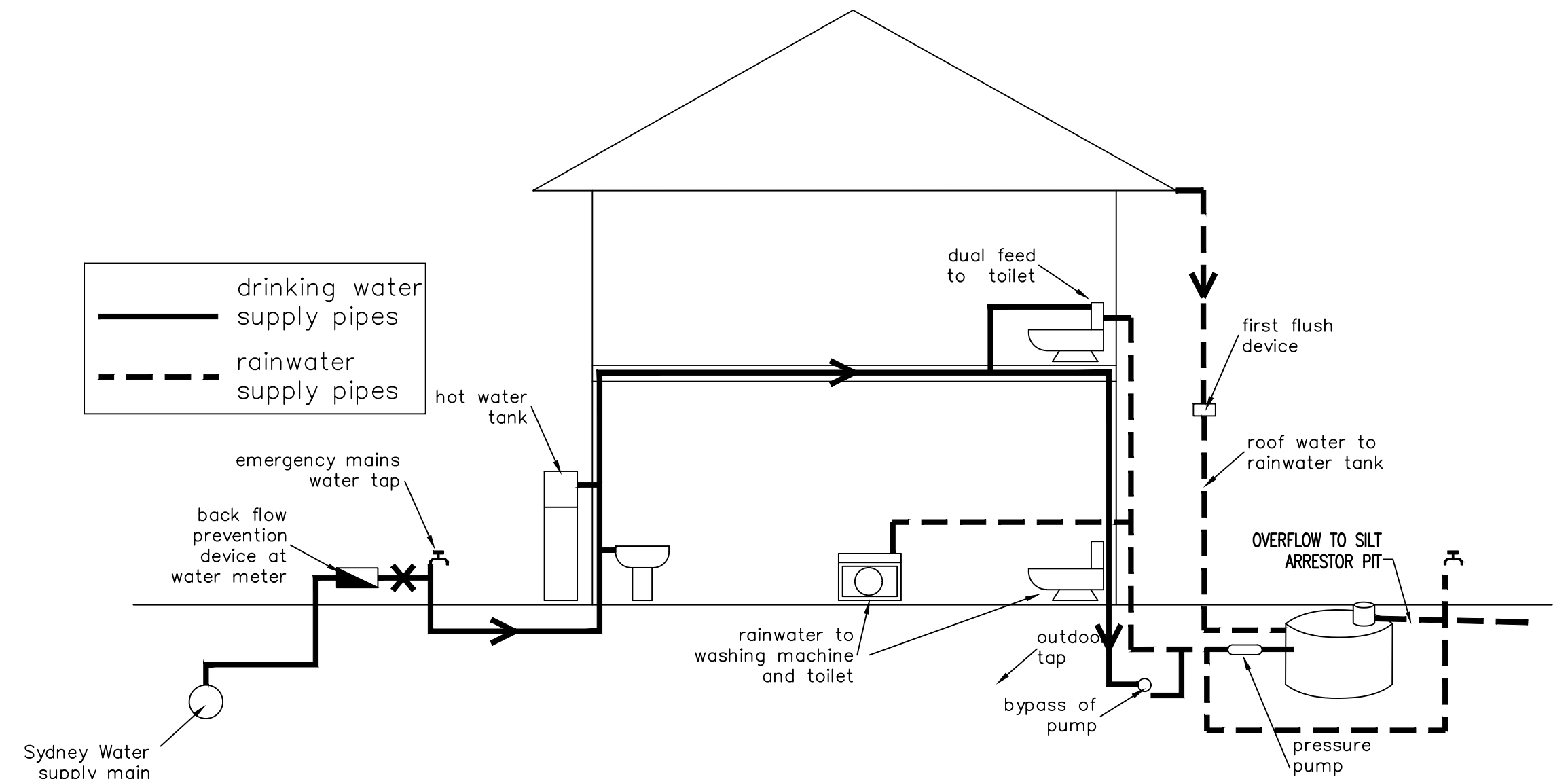
1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH)
STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN. UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES
TO BUILDER'S DETAIL. TYPICAL MINIMUM EFFECTIVE EAVES GUTTER
SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

- DP = Ø100, UNO.
- FD = FLOOR OUTLET, REFER TO DETAIL
- SIP = SURFACE INLET PIT (NO LINTEL)
- 100Ø = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT
- RWH = RAIN WATER HEAD
- RWO = RAIN WATER OUTLET (300 x 300)
- FG = FLOOR GULLY Ø150
- E = RAINWATER SPREADER
- RL 16.85 = PROPOSED FINISHED SURFACE LEVEL

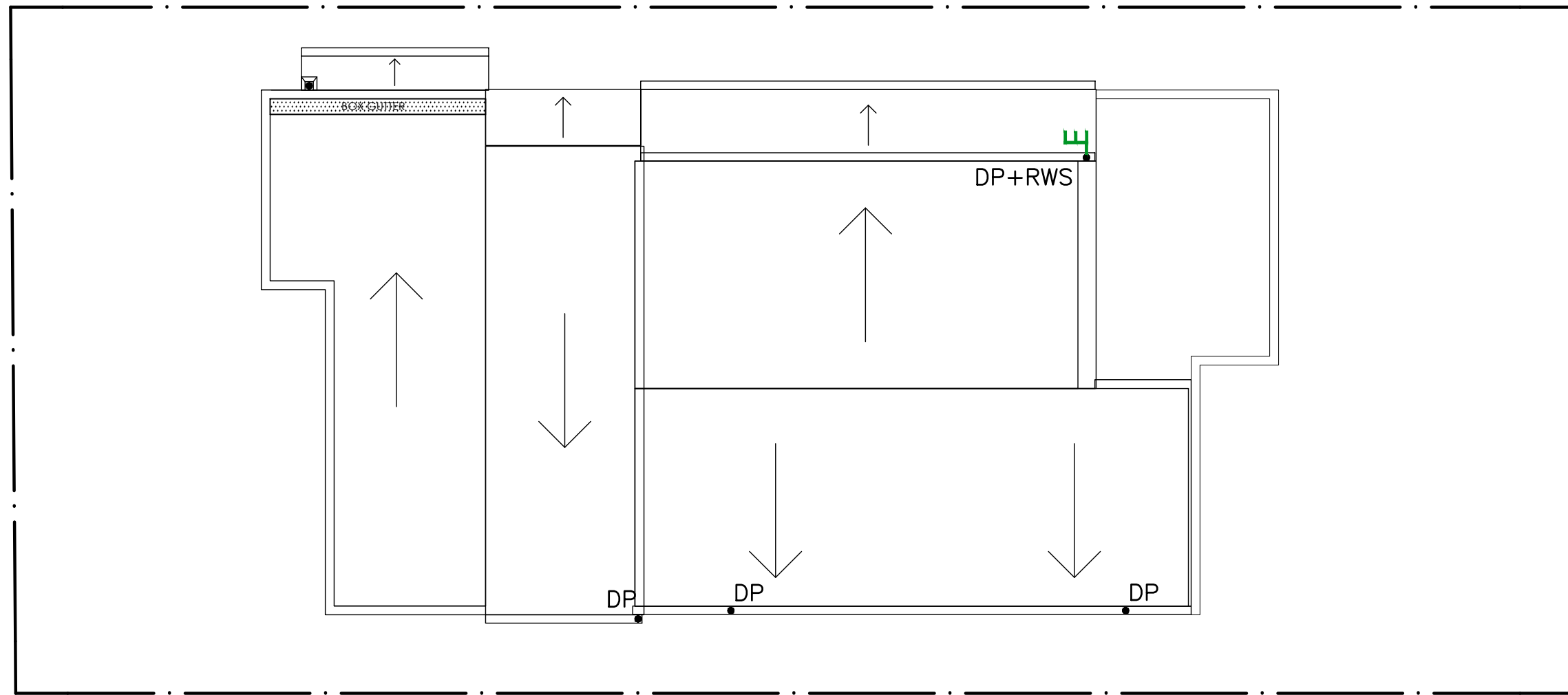


RAINWATER TANK EXPLANATORY DIAGRAM

SCALE : NTS

NOTE:

- 1.TANK WATER IS NOT RECOMMENDED FOR HUMAN CONSUMPTION.
- 2.A SIGN STATING NOT FOR DRINKING MUST BE AFFIXED TO THE TANK AND OR TAP FIXTURE
- 3.ANY PUMP INSTALLED FOR THE RAINWATER TANKS IS TO BE NO LOUDER THAN 5dB(A) ABOVE BACKGROUND NOISE LEVELS



ROOF DRAINAGE PLAN

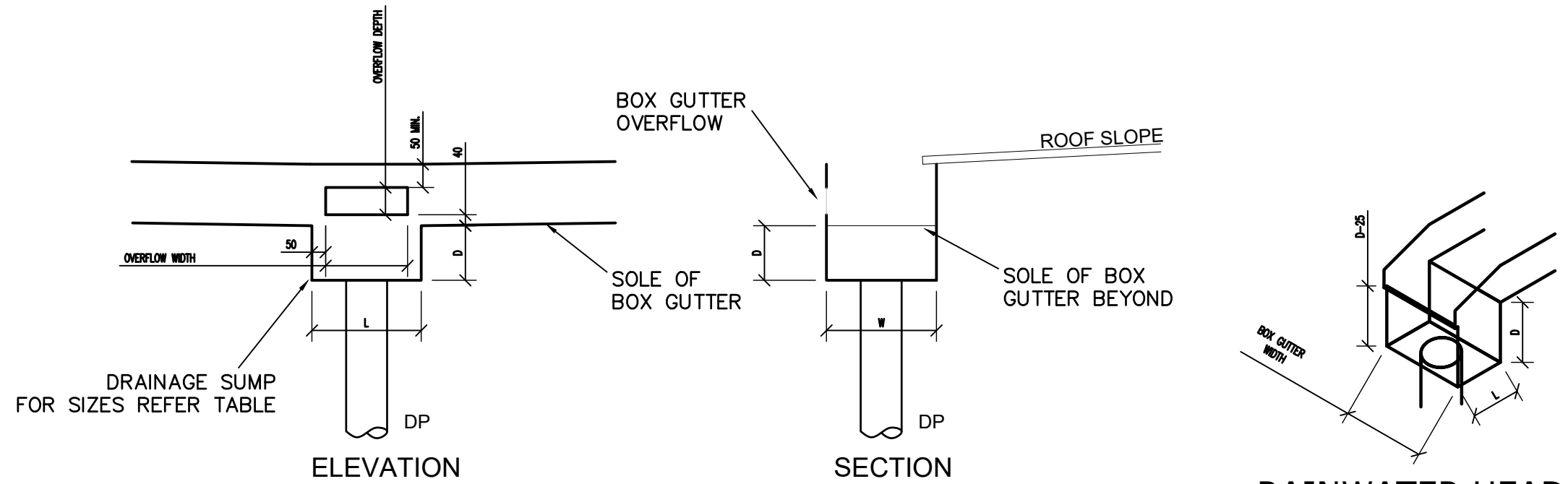
1:100 @ A1

ALL DRAINAGE LINES SHALL BE UPVC (CLASS SH)
STORMWATER DRAINAGE PIPE, UNO.

ALL DRAINAGE LINES SHALL BE LAID @ 1% FALL MIN. UNO.
FIRST FLUSH RAINWATER DEVICES TO BE FITTED TO DRAINAGE LINES
TO BUILDER'S DETAIL. TYPICAL MINIMUM EFFECTIVE EAVES GUTTER
SIZE = 6700 mm²
MINIMUM EFFECTIVE EAVES GUTTER SLOPE = 1:500

THE FOLLOWING SYMBOLS & ABBREVIATIONS HAVE BEEN USED:

- DP = Ø100, UNO.
- FD = FLOOR OUTLET, REFER TO DETAIL
- SIP = SURFACE INLET PIT (NO LINTEL)
- 100Ø = Ø100 CHARGED LINE
- IP = Ø150 INSPECTION POINT
- RWH = RAIN WATER HEAD
- RWO = RAIN WATER OUTLET (300 x 300)
- FG = FLOOR GULLY Ø150
- E = RAINWATER SPREADER
- RL 16.85 = PROPOSED FINISHED SURFACE LEVEL



TYPICAL BOX GUTTER DETAIL WITH SUMP OVERFLOW

1:20

BOX GUTTER, RAINWATER HEAD & SUMP SIZING SCHEDULE

NODE	BOX GUTTER SIZE	RAINWATER HEAD SIZE	SUMP SIZE	OVERFLOW TO SUMP	DOWNPIPE Ø mm
BG1	300W x 150D	150Lx300Wx200H	200L X 150D	200W X 100H	150

F	ISSUED FOR APPROVAL	19/05/2023			
E	ISSUED FOR APPROVAL	18/05/2023			
D	RWT MOVED	11/05/2023			
C	MINOR AMENDMENTS	05/10/2022			
B	MINOR AMENDMENTS	27/09/2022			
A	PRELIMINARY DESIGN	20/09/2022			
REVISION	AMENDMENT	ISSUE DATE	ISSUE	ISSUED TO	ISSUE DATE



SUITE 303 / 29-31 LEXINGTON DRIVE
NORWEST BUSINESS PARK,
BELLA VISTA N.S.W. 2153

ALL CORRESPONDENCE TO:
P.O. BOX 6080 BAULKHAM HILLS BC
BAULKHAM HILLS NSW 2153

PH. 8814 6191 FAX 8814 5301 MOB. 0425 270 333
EMAIL. andrew@camconsulting.com.au

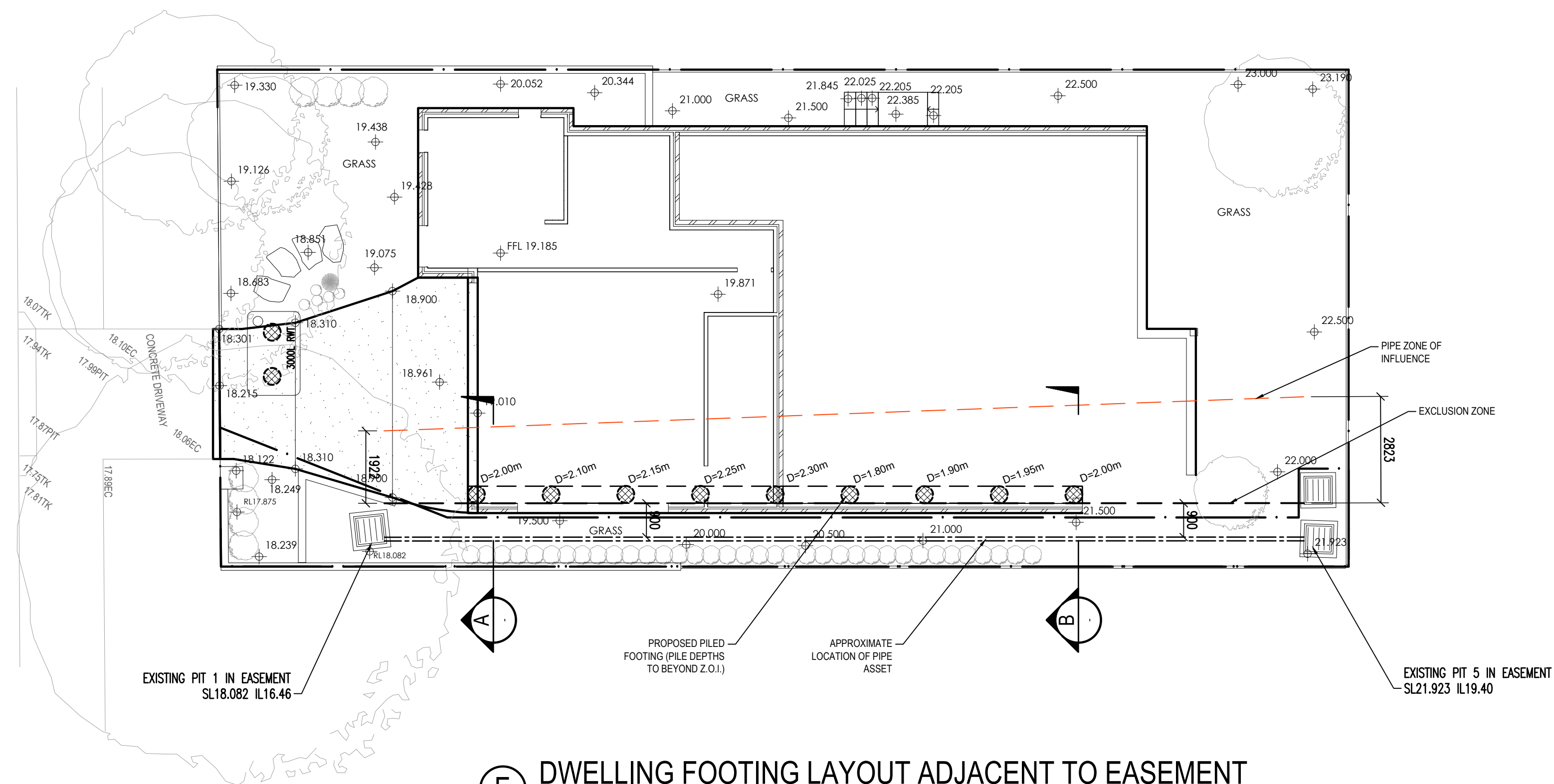
PROJECT
PROPOSED DEVELOPMENT
LOT 2, 6 ORCHARD STREET
WARRIEWOOD

CLIENT
SKYCORP

ARCHITECT / PROJECT MANAGER
PTI ARCHITECTURE

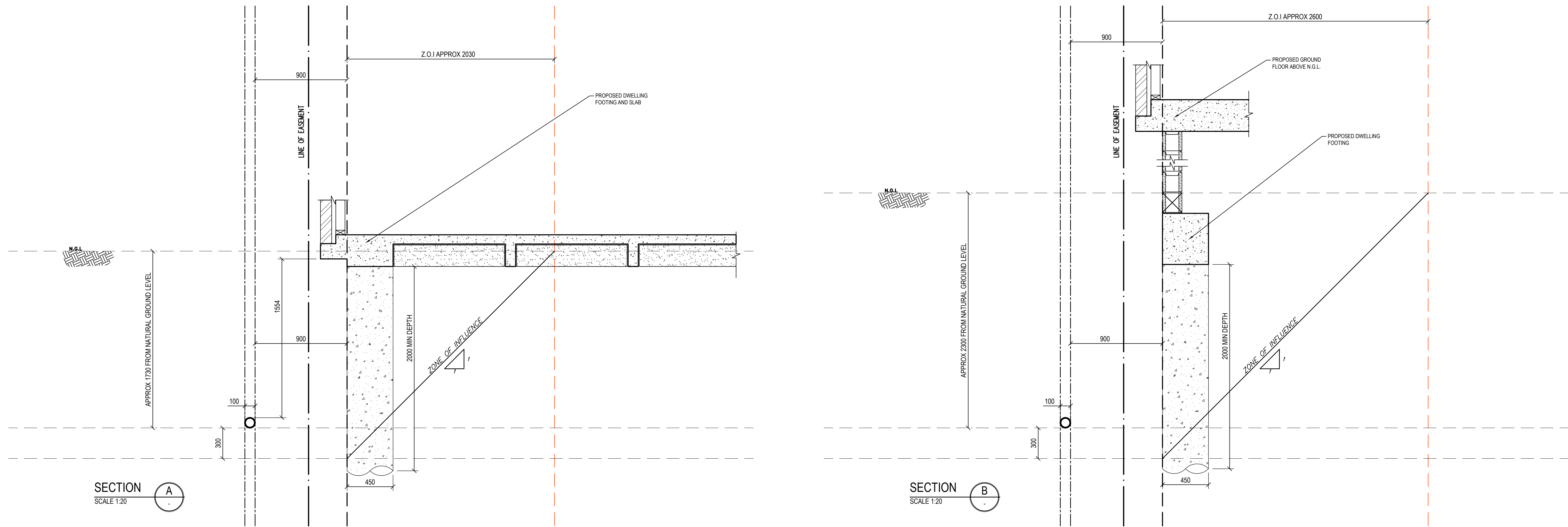
DRAWING TITLE
FIRST FLOOR AND ROOF
DRAINAGE PLAN

SCALES A1 - 1:100	DESIGNED A.C.	DRAFTED M.W.
DRAWING NO. C22065 -SW 101	APPROVED A.C.	REVISION F



LEGEND

- DENOTES MINIMUM DEPTH OF PIER
- DENOTES PIERS IN EFFECTED ZONE OF INFLUENCE (Z.O.I). MINIMUM DEPTH FOR STORMWATER REQUIREMENTS ONLY. REFER TO ENGINEERING PLANS FOR BEARING AND REINFORCEMENT.



F	ISSUED FOR APPROVAL	19/05/2023			
E	ISSUED FOR APPROVAL	18/05/2023			
D	RWT MOVED	11/05/2023			
C	MINOR AMENDMENTS	05/10/2022			
B	MINOR AMENDMENTS	27/09/2022			
A	PRELIMINARY DESIGN	20/09/2022			
REVISION	AMENDMENT	ISSUE DATE	ISSUE	ISSUED TO	ISSUE DATE



SUITE 303 / 29-31 LEXINGTON DRIVE
NORWEST BUSINESS PARK,
BELLA VISTA N.S.W. 2153
ALL CORRESPONDENCE TO:
P.O. BOX 6080 BAULKHAM HILLS BC
BAULKHAM HILLS NSW 2153
PH. 8814 6191 FAX 8814 5301 MOB. 0425 270 333
EMAIL. andrew@camconsulting.com.au

PROJECT
PROPOSED DEVELOPMENT
LOT 2, 6 ORCHARD STREET
WARRIEWOOD
CLIENT
SKYCORP
ARCHITECT / PROJECT MANAGER
PTI ARCHITECTURE

DRAWING TITLE DWELLING FOOTING LAYOUT ADJACENT TO EASEMENT STORMWATER ASSET			
SCALES A1 - 1:100	DESIGNED A.C.	DRAFTED M.W.	
DRAWING NO. C22065-SW 103	APPROVED A.C.	REVISION F	