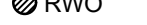
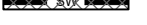


CONCEPT STORMWATER DRAWINGS FOR 1, 5 & 7 GLADYS AVENUE, FRENCHS FOREST NSW 2086

SYMBOLS

RL	PIT SURFACE LEVEL
IL	INVERT LEVEL
TK	TOP OF KERB
B.O.W	BOTTOM OF WALL
T.O.W	TOP OF WALL
	STORMWATER DRAINAGE PIPE
	DOWNPIPE TO RAINWATER TANK
	OVERFLOW PIPE FROM RAINWATER TANK
	Ø100 SUBSOIL PIPE
	Ø100 SUBSOIL PIPE
	FLOOR WASTE 150X150
	FLOOR WASTE 150Ø
	RAINWATER OUTLET 300Ø
	PLANTER GRATE
	DOWN PIPE
	CLEAN OUT
	INSPECTION OPENING
	VERTICAL DROP
	VERTICAL RISER
	CONCRETE COVER JUNCTION PIT
	GRATED INLET PIT
	WIDE GRATED DRAIN
	OVERLAND FLOW PATH
	CAST IN SLAB PIPE

GENERAL NOTES

- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE & LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS. ALL DESIGN LEVELS SHOWN ON PLAN SHALL BE VERIFIED ON SITE PRIOR TO THE COMMENCEMENT OF ANY WORK.
- THESE PLANS SHALL BE READ IN CONJUNCTION WITH OTHER RELEVANT CONSULTANTS' PLANS, SPECIFICATIONS, CONDITIONS OF DEVELOPMENT CONSENT AND CONSTRUCTION CERTIFICATE REQUIREMENTS. WHERE DISCREPANCIES ARE FOUND SMART STRUCTURE AUSTRALIA MUST BE CONTACTED IMMEDIATELY FOR VERIFICATION
- ALL LINES ARE TO BE MIN. 100Ø UPVC @ MIN 1.0% GRADE UNLESS NOTED OTHERWISE.
- ALL PIPES TO HAVE MIN 200mm COVER IF LOCATED WITHIN PROPERTY.
- ALL PITS IN DRIVEWAYS BE HEAVY DUTY GRATES. DIRECT SURFACE FLOW TO ALL GRATED SURFACE INLET PITS.
- ALL WORK DO BE DONE IN ACCORDANCE WITH AS/NZ 3500.3 (CURRENT EDITION) AND COUNCIL SPECIFICATIONS.
- COUNCIL'S TREE PRESERVATION ORDER IS TO BE STRICTLY ADHERED TO. NO TREES SHALL BE REMOVED UNTIL PERMIT IS OBTAINED
- PUBLIC UTILITY SERVICES ARE TO BE ADJUSTED AS NECESSARY AT THE DEVELOPER'S EXPENSE
- LOCATION OF DOWNPIPES & FLOOR WASTES ARE INDICATIVE ONLY. DOWNPIPE & FLOOR WASTE SIZE, LOCATION & QUANTITY TO BE DETERMINED BY BUILDER & IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE ARCHITECTURAL, LANDSCAPE AND STRUCTURAL AND ALL OTHER RELEVANT CONSULTANT'S PLANS.
- ALL RAINWATER TANKS TO BE FITTED WITH A FIRST FLUSH DEVICE TO PREVENT POTENTIAL CONTAMINANTS FROM ENTERING THE TANKS.
- ANY DISCREPANCIES OR OMISSIONS SHALL BE REFERRED TO THE DESIGN ENGINEER FOR RESOLUTION.
- ANY VARIATION TO THE WORKS AS SHOWN ON THE APPROVED DRAWINGS ARE TO BE CONFIRMED BY SMART STRUCTURES AUSTRALIA PRIOR TO THEIR COMMENCEMENT
- ALL PITS OR GRATES IN TRAFFICABLE AREAS TO BE HEAVY DUTY.
- ALL GUTTERS WILL BE FITTED WITH LEAF GUARDS AND SHOULD BE INSPECTED AND CLEANED TO ENSURE LEAF LITTER CANNOT ENTER THE DOWNPIPES
- PROVIDE EMERGENCY OVERFLOW TO ALL PLANTER BOX AND BALCONIES.
- ALL PITS WITH DEPTH MORE THAN 900mm MUST HAVE IRON STEPS AND TO BE BENCHED AND STREAMLINED
- PROVIDE STORMWATER GRATE 200Wx200D AT THE BASE OF ALL MECHANICAL SHAFTS AND UNCOVERED STAIRS OR OPENINGS.
- ENSURE ALL DRAINAGE WORKS ARE AWAY FROM TREE ROOTS

STORMWATER CONSTRUCTION NOTES

- SERVICES SHOWN ON THESE PLANS HAVE BEEN LOCATED FROM INFORMATION SUPPLIED BY THE RELEVANT AUTHORITIES AND FIELD INVESTIGATION AND ARE NOT GUARANTEED COMPLETE NOR CORRECT. IT IS THE CLIENT AND CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PRIOR TO CONSTRUCTION.
- ALL VARIATIONS TO THE WORKS AS SHOWN ON THE APPROVED DRAWINGS ARE TO BE CONFIRMED BY SMART STRUCTURES AUSTRALIA PRIOR TO COMMENCEMENT OF WORKS.
- THE MINIMUM SIZES OF THE STORMWATER DRAINS SHALL NOT BE LESS THAN DN90 FOR CLASS 1 BUILDINGS AND DN100 FOR OTHER CLASSES OF BUILDING OR AS REQUIRED BY THE REGULATORY AUTHORITY
- ALL STORMWATER DRAINAGE PITS IN GARDEN OR TURFED AREAS TO BE FITTED WITH PERFORATED GALVANISED STEEL MESH UNDER THE LIDS TO PREVENT DEBRIS ENTERING STORMWATER NETWORK.
- ALL PITS/GRATES IN COMMON AREAS TO BE HEEL-PROOF TYPE.
- CHILD -PROOF LOCKING SYSTEM MUST BE EMPLOYED FOR ALL GRATES AND LIDS IN COMMON AREAS.
- MAKE SMOOTH JUNCTION WITH ALL EXISTING WORK
- VEHICULAR ACCESS AND ALL SERVICES TO BE MAINTAINED AT ALL TIMES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION
- RAINWATER SUPPLY PLUMBING TO BE CONNECTED TO OUTLETS WHERE REQUIRED BY BASIX CERTIFICATE (BY OTHERS)
- POTABLE WATER CONNECTION TO RAINWATER TANK TO BE TO THE SATISFACTION OF THE REGULATORY AUTHORITY. THIS MAY REQUIRE PROVISION OF PERMANENT AIR GAP AND/OR BACKFLOW PREVENTION DEVICE
- PROVIDE APPROPRIATE FLOAT VALVES AND/OR SOLENOID VALVES TO CONTROL TOWN WATER SUPPLY INLET TO TANK IN ORDER TO ACHIEVE THE TOP-UP INDICATED ON THE TYPICAL DETAIL
- ALL PLUMBING WORKS ARE TO BE CARRIED OUT BY LICENSED PLUMBERS IN ACCORDANCE WITH AS/NZS3500.1 NATIONAL PLUMBING AND DRAINAGE CODE
- PRESSURE PUMP ELECTRICAL CONNECTION TO BE CARRIED OUT BY A LICENSED ELECTRICIAN
- ONLY ROOF RUN-OFF IS TO BE DIRECTED TO THE RAINWATER TANK. SURFACE WATER INLETS ARE NOT TO BE CONNECTED
- PIPE MATERIALS FOR RAINWATER SUPPLY PLUMBING ARE TO BE APPROVED MATERIALS TO AS/NZS3500 PART 1 SECTION 2 AND TO BE CLEARLY AND PERMANENTLY IDENTIFIED AS 'RAINWATER'. THIS MAY BE ACHIEVED FOR BELOW GROUND PIPES USING IDENTIFICATION TAPE(MADE IN ACCORDANCE WITH AS2648) OR FOR ABOVE GROUND PIPES BY USING ADHESIVE PIPE MARKERS (MADE IN ACCORDANCE WITH AS1345)
- EVERY RAINWATER SUPPLY OUTLET POINT AND THE RAINWATER TANK ARE TO BE LABELED 'RAINWATER' ON A METALLIC SIGN IN ACCORDANCE WITH AS1319
- ALL INLETS AND OUTLETS TO THE RAINWATER TANK ARE TO HAVE SUITABLE MEASURES PROVIDED TO PREVENT MOSQUITO AND VERMIN ENTRY.

SUBSOIL DRAINAGE NOTES

- PROVIDE SUBSOIL DRAINS TO INTERCEPT GROUNDWATER SEEPAGE AND PREVENT WATER BUILD-UP BEHIND WALLS AND UNDER FLOORS AND PAVEMENTS. CONNECT SUBSOIL TO SURFACE DRAINS OR TO THE STORMWATER DRAINAGE SYSTEM AS APPLICABLE.
- ALL SUBSOIL PIPES SHALL BE 100MM SLOTTED CORRUGATED UPVC IN A FILTER SOCK U.N.O.
- FILTER SOCKS ARE TO BE POLYESTER PERMEABLE SOCKS CAPABLE OF RETAINING PARTICLES GREATER THAN 0.25MM IN SIZE. SECURELY FIT OR JOIN THE SOCK AT EACH JOINT.
- WHERE SUBSOIL DRAINS PASS UNDER EXTERNAL SLABS AND VEHICULAR PAVEMENTS, UNSLOTTED UPVC SEWER GRADE PIPE IS TO BE USED.
- SUBSOIL DRAINAGE TRENCHES ARE TO BE WRAPPED WITH PERMEABLE TEXTILE FABRIC 'BIDIM A12' OR EQUIVALENT.
- TO REDUCE GROUND WATER TRACKING WITHIN STORMWATER TRENCHES INSTALL A 3M LENGTH OF SUBSOIL PIPE IN PIPE TRENCHES DRAINING IN DIRECTION OF FALL OF PIPE AND CONNECT TO DOWNSTREAM STORMWATER DRAINAGE PIT.
- SUBSOIL MINIMUM CLEARANCE DEPTHS, MEASURED TO THE CROWN OF THE PIPE, WHERE THE PIPE PASSES BELOW THE FOLLOWING ELEMENTS:

100mm BELOW FORMATION LEVEL OF THE PAVEMENT, KERB OR CHANNEL.

AT THE AVERAGE GRADIENT OF THE BOTTOM OF FOOTINGS.
- AT JUNCTIONS OF SUBSOIL PIPES PROVIDE TEES, COUPLINGS OR ADAPTORS IN ACCORDANCE WITH AS2439.1.
- SUBSOIL DRAINAGE TRENCHES SHALL BE A MINIMUM 300mm WIDE
- GRADE THE TRENCH FLOOR EVENLY TO THE GRADIENT OF THE PIPELINE. IF THE TRENCH FLOOR IS ROCK, CORRECT ANY IRREGULARITIES WITH COMPACTED BEDDING MATERIAL. BED PIPING ON A CONTINUOUS UNDERLAY OF BEDDING MATERIAL, AT LEAST 75mm THICK AFTER COMPACTION. LAY THE PIPE WITH ONE LINE OF PERFORATIONS AT THE BOTTOM.
- PLACE THE MATERIAL IN THE PIPE SURROUND IN LAYERS SMALLER THAN OR EQUAL TO 200MM LOOSE THICKNESS, AND COMPACT WITHOUT DAMAGING OR DISPLACING PIPING.

DRAWING LIST

DRAWING NUMBER	DRAWING NAME
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D00	COVER SHEET, LEGEND & DRAWING SCHEDULE
D01	BASEMENT STORMWATER DRAINAGE PLAN
D02	GROUND FLOOR STORMWATER DRAINAGE PLAN
D08	PRE AND POST DEVELOPMENT CATCHMENT PLAN
D09	POST DEVELOPMENT PLAN AND MUSIC MODEL RESULTS
D10	STORMWATER DRAINAGE SECTIONS AND DETAILS SHEET 1
D15	OSD DESIGN CALCULATIONS AND DETAILS SHEET 1
D16	OSD DESIGN CALCULATIONS AND DETAILS SHEET 2
D25	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS SHEET 1
D26	EROSION AND SEDIMENT CONTROL PLAN AND DETAILS SHEET 2

AS 3500.3- TABLE 8.2
SIZE OF MINIMUM INTERNAL DIMENSIONS
FOR STORMWATER AND INLET PITS

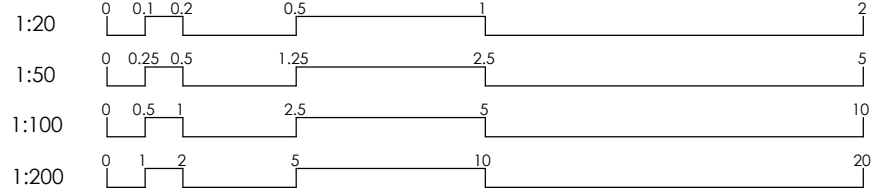
DEPTH OF INVERT OF OUTLET	MINIMUM INTERNAL DIMENSIONS (mm)		
	RECTANGULAR		CIRCULAR
	WIDTH	LENGTH	DIAMETER
≤600	450	450	600
>600 ≤900	600	600	900
>900 ≤1200	600	900	1000
>1200	900	900	1000



IMPORTANT:
CONTRACTOR TO OBTAIN CURRENT SET OF
"DIAL BEFORE YOU DIG" PLANS ON SITE ALL
TIMES AND PRIOR TO CONSTRUCTION WORKS

A	ISSUED FOR D.A.	10.02.23	N.E.	K.E.	
No.	Description	Date	Issued by	Checked by	

SCALE BARS



CLIENT:

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ARCHITECT:

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DRAWING TITLE

COVER SHEET, LEGEND &
DRAWING SCHEDULE

SHEET NO.

D00

REV.

A

SCALE @ A1

NTS

DESIGNED:

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DRAWN:

N.E.

AUTHORISED:

K.E.

PROJECT

1, 5 & 7 GLADYS AVENUE,
FRENCHS FOREST NSW 2086

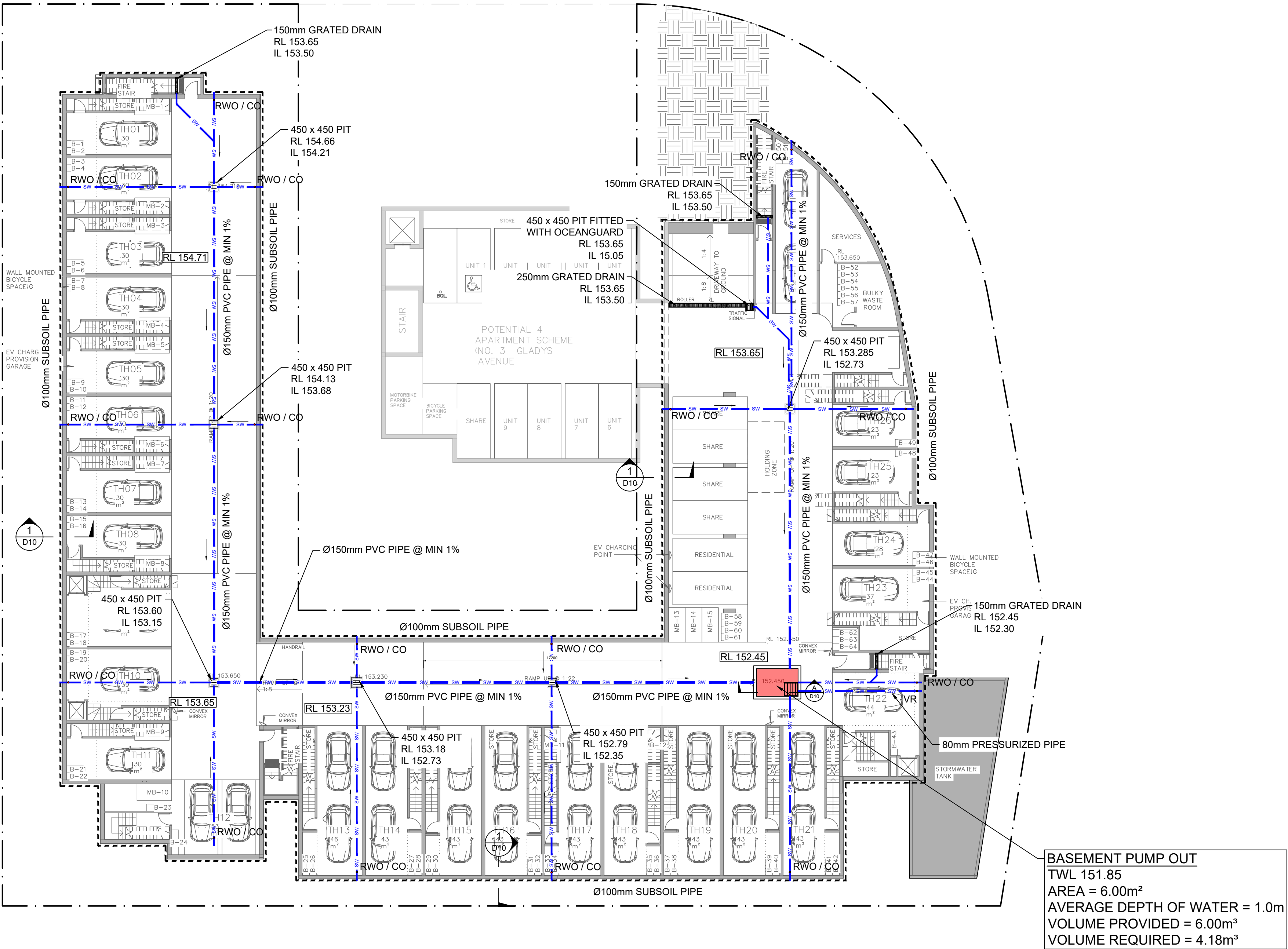
NORTH

PROJECT NO.

230023

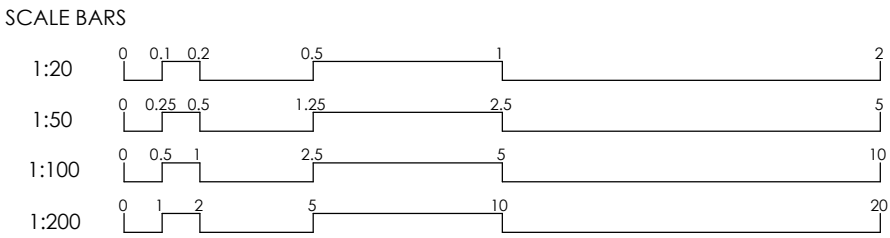
PROJECT START DATE:

JANUARY 2023



BASEMENT STORMWATER DRAINAGE PLAN
SCALE 1: 200

C	ISSUED FOR D.A.	20.02.23	K.E.	K.E.	
B	ISSUED FOR D.A.	20.02.23	N.E.	K.E.	
A	ISSUED FOR D.A.	10.02.23	N.E.	K.E.	
No.	Description	Date	Issued by	Checked by	



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ARCHITECT:	WALSH ARCHITECTS

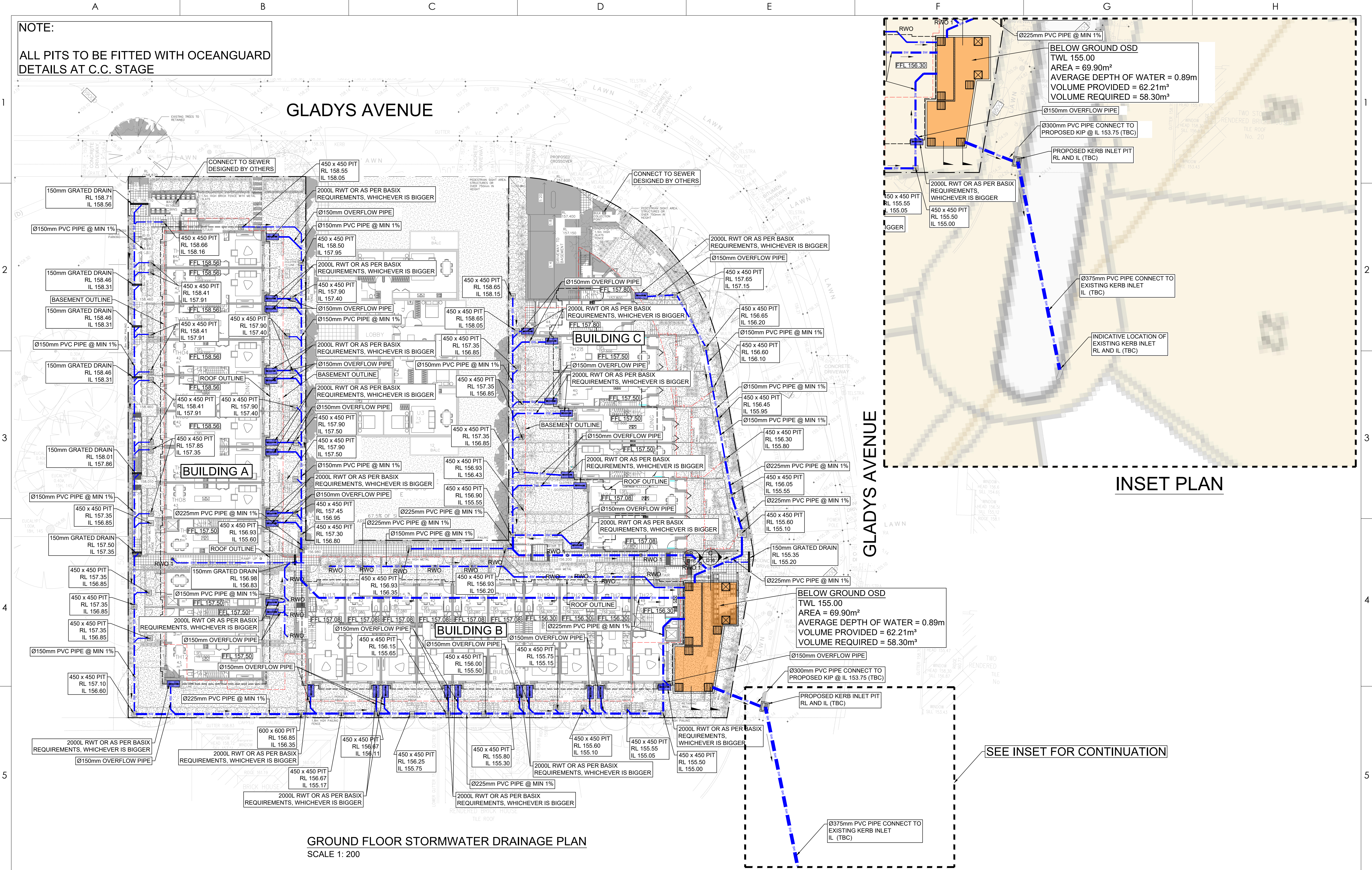


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DRAWING TITLE BASEMENT 1 STORMWATER DRAINAGE PLAN			PROJECT 1, 5 & 7 GLADYS AVENUE, FRENCHS FOREST NSW 2086	
SHEET NO. D01	REV. C	SCALE @ A1 AS SHOWN		PROJECT NO. 230023
DESIGNED: K.E.	DRAWN: N.E.	AUTHORISED: K.E.		PROJECT START DATE: JANUARY 2023

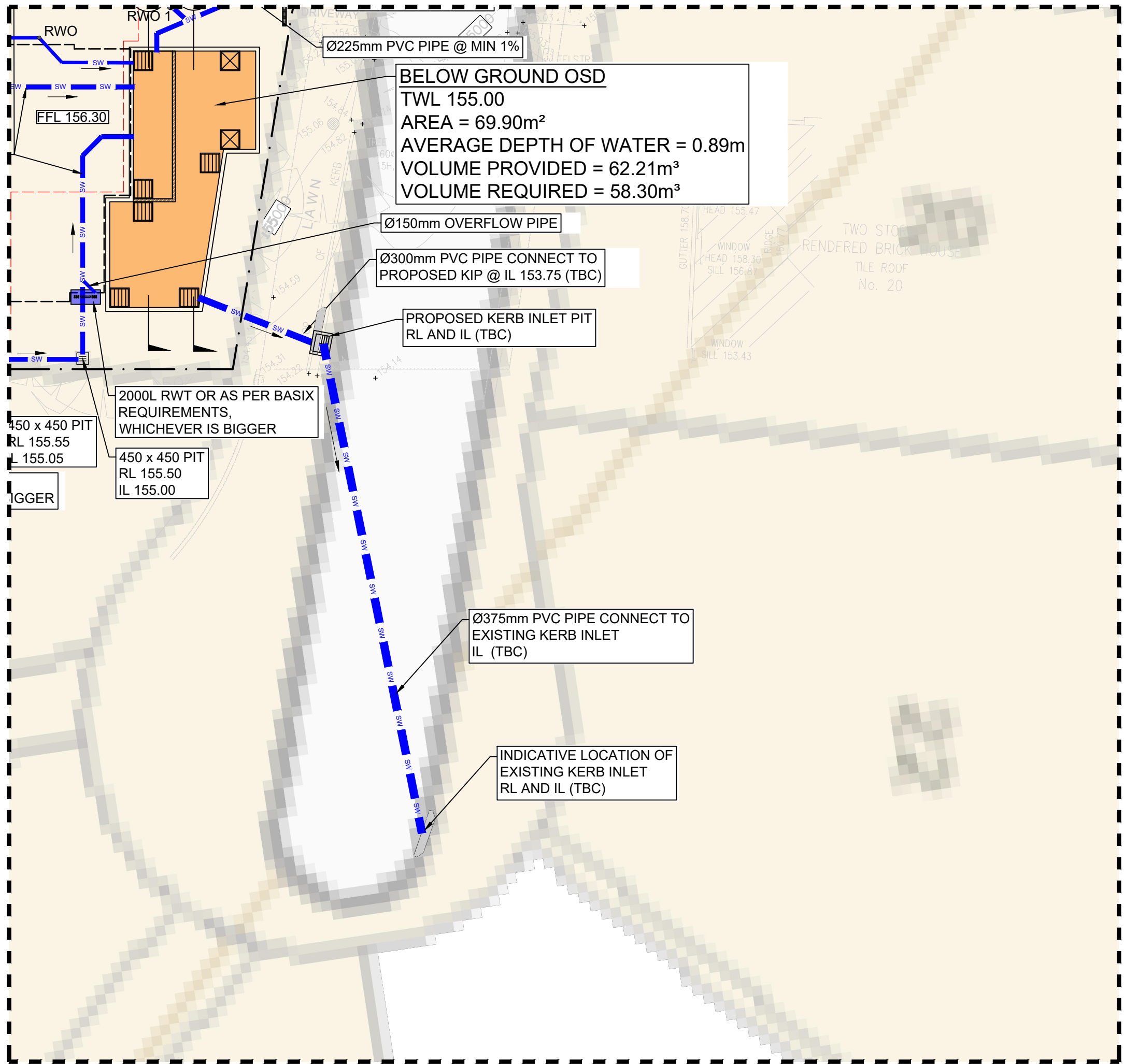
NOTE:
ALL PITS TO BE FITTED WITH OCEANGUARD
DETAILS AT C.C. STAGE

GLADYS AVENUE



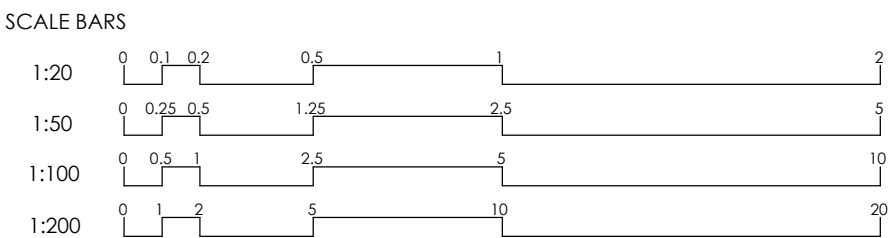
GROUND FLOOR STORMWATER DRAINAGE PLAN
SCALE 1: 200

INSET PLAN



SEE INSET FOR CONTINUATION

No.	Description	Date	Issued by	Checked by
B	ISSUED FOR D.A.	20.02.23	N.E.	K.E.
A	ISSUED FOR D.A.	11.01.23	N.E.	K.E.



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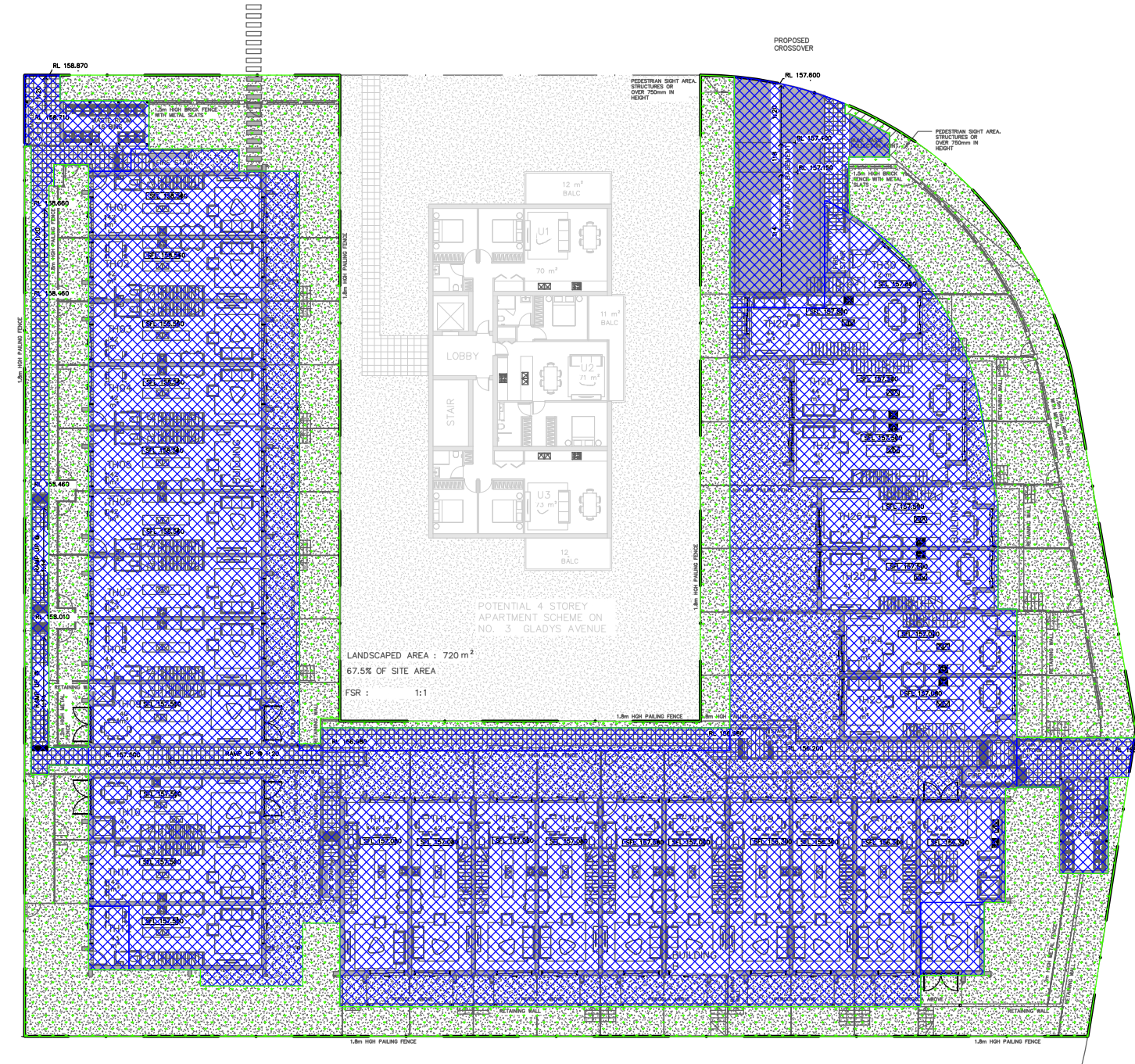
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DRAWING TITLE
**GROUND FLOOR STORMWATER
DRAINAGE PLAN**

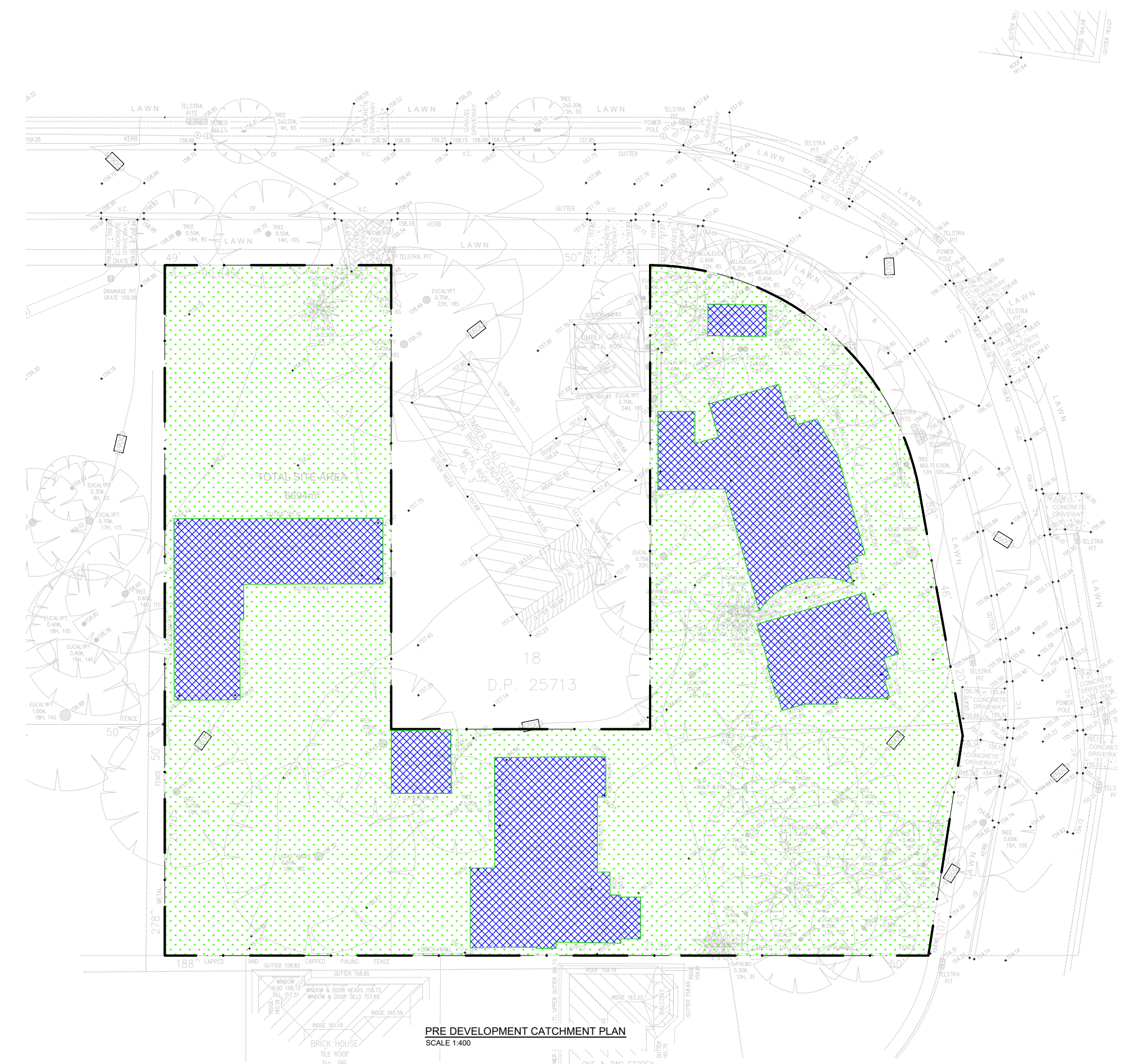
SHEET NO.	REV.	SCALE @ A1
D02	B	AS SHOWN
DESIGNED:	DRAWN:	AUTHORISED:
K.E.	N.E.	K.E.

PROJECT
**1, 5 & 7 GLADYS AVENUE,
FRENCHS FOREST NSW 2086**

NORTH	PROJECT NO.
	230023
	PROJECT START DATE:
	JANUARY 2023



POST DEVELOPMENT CATCHMENT PLAN
SCALE 1:400



PRE DEVELOPMENT CATCHMENT PLAN
SCALE 1:400

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SCALE BARS

1:20	0	0.1	0.2	0.5	1	2
1:50	0	0.25	0.5	1.25	2.5	5
1:100	0	0.5	1	2.5	5	10
1:200	0	1	2	5	10	20

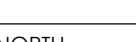
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ARCHITECT: WALSH ARCHITECTS



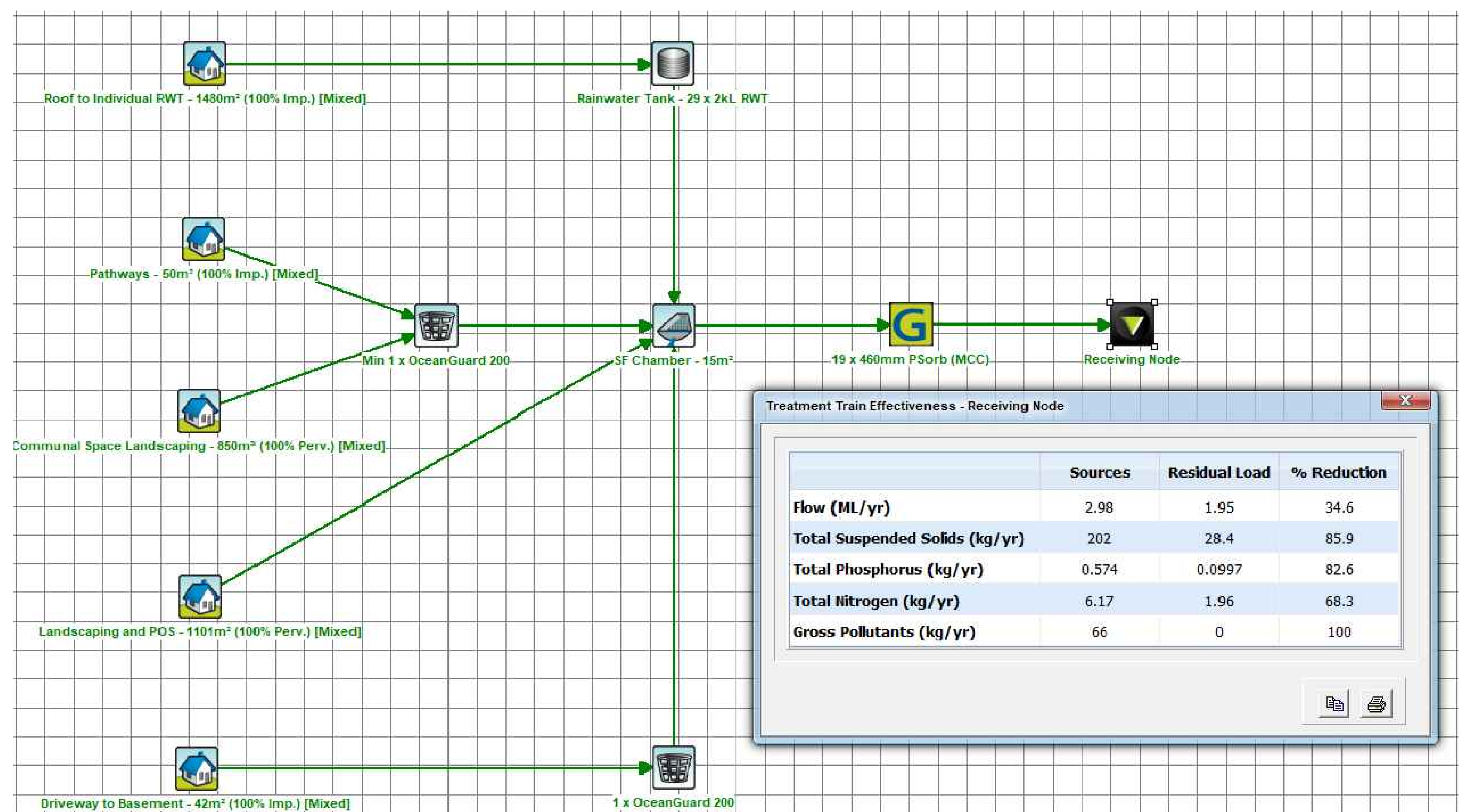
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DRAWING TITLE PRE AND POST DEVELOPMENT CATCHMENT PLANS			PROJECT 1, 5 & 7 GLADYS AVENUE, FRENCHS FOREST NSW 2086	
SHEET NO. D08	REV. A	SCALE @ A1 AS SHOWN	NORTH 	PROJECT NO. 230023
DESIGNED: K.E.	DRAWN: N.E.	AUTHORISED: K.E.		PROJECT START DATE: JANUARY 2023

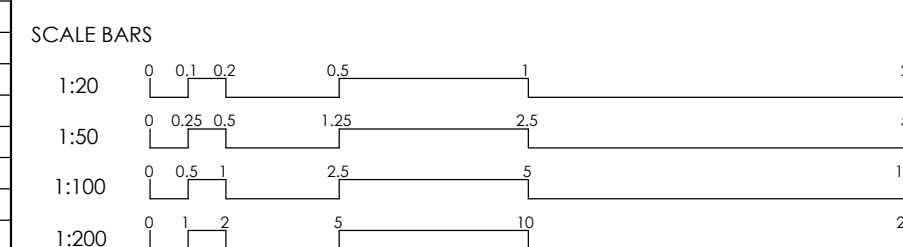
POST DEVELOPMENT CATCHMENT PLAN
SCALE 1:400

POST DEVELOPMENT CATCHMENT ANALYSIS:		
TOTAL SITE AREA:	3523.05 m²	
ROOF	1479.38 m ²	
HARDSTAND	511.80 m ²	
DRIVEWAY	41.81 m ²	
LANDSCAPE	1490.12 m ²	



MUSIC MODEL RESULTS

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DRAWING TITLE

POST DEVELOPMENT CATCHMENT PLAN AND MUSIC MODEL RESULTS

SHEET NO.

D09

DESIGNED:
K.E.

	REV.
--	------

A

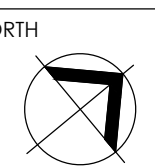
DRAWN:
N.E.

SCALE @ A1

AS SHOWN

AUTHORISED:
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PROJECT
1, 5 & 7 GLADYS AVENUE,
FRENCHS FOREST NSW 2086



PROJECT NO. _____

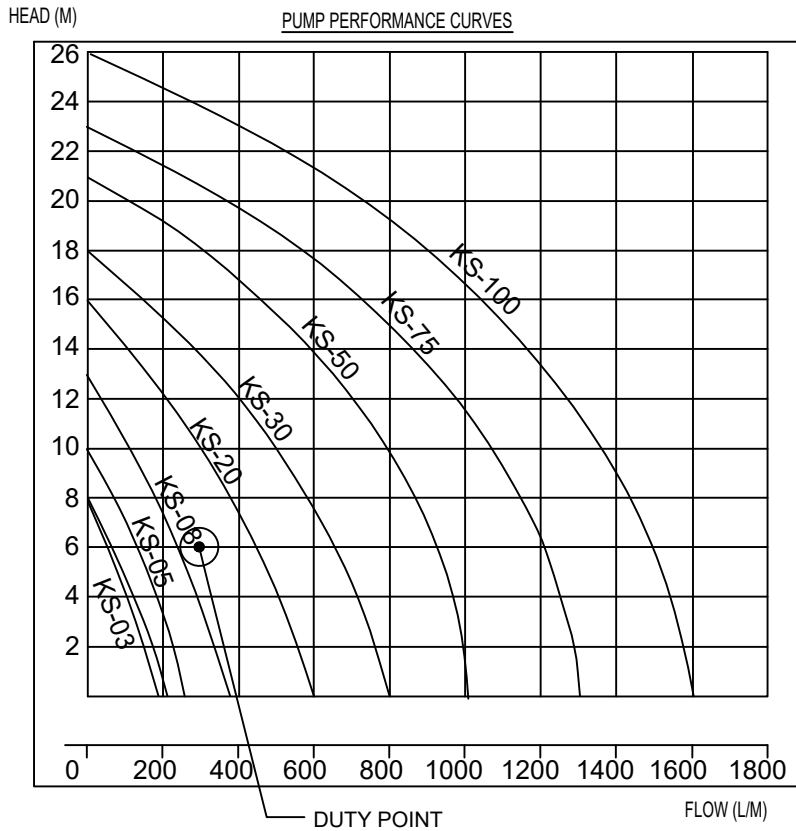
230023

PROJECT START DATE:
JANUARY 2023

PUMP SPECIFICATIONS
STANDARD PUMP-OUT NOTES

THE PUMP-OUT SYSTEM IS DESIGNED TO WORK IN THE FOLLOWING MANNER -

- A LOW LEVEL FLOAT SHALL BE PROVIDED TO ENSURE THAT THE MINIMUM REQUIRED WATER LEVEL IS MAINTAINED WITHIN THE SUMP AREA OF THE BELOW GROUND TANK. IN THIS REGARD LOW LEVEL FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMP AND TO SET 100mm ABOVE BOTTOM OF TANK TO ALLOW 100mm DEPTH OF WATER MAINTAINED AT ALL TIMES.
- A SECOND FLOAT SHALL BE PROVIDED AT A HIGHER LEVEL, APPROXIMATELY 300mm ABOVE THE MINIMUM WATER LEVEL(I.E. 300mm ABOVE LOWER LEVEL FLOAT), WHEREBY THE PUMP WILL OPERATE & DRAIN THE TANK TO THE LEVEL OF THE LOW LEVEL FLOAT.
- A THIRD FLOAT SHALL BE SET NOT HIGHER THAN 100mm ABOVE THE INVERT OF THE INLET PIPE. THIS FLOAT SHOULD ACTIVATE THE ALARM.
- AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBE LIGHT ALARM AND AN AUDIBLE ALARM WHICH ARE TO BE LOCATED AT THE DRIVEWAY ENTRANCE TO THE BASEMENT LEVEL. THE ALARM SYSTEM SHALL BE PROVIDED WITH A BATTERY BACK-UP IN CASE OF POWER FAILURE.
- THE PUMP CONTROLS SHALL BE SET UP TO ENABLE ALTERNATE PUMP OPERATION AT EACH START. IN THE EVENT A PUMP FAILS TO OPERATE WHEN THE WATER LEVEL IN THE WET WELL REACHES THE PUMP START, THE OTHER PUMP SHALL BE ACTIVATED, AND A FLASHING STROBE LIGHT ALARM INITIATED. IN THE EVENT THAT BOTH PUMPS FAIL TO OPERATE, AN AUDIBLE ALARM SHALL BE INITIATED.
- PUMPS SHALL BE FITTED WITH A GATE VALVE AND NON-RETURN VALVE ON THE DELIVERY SIDE OF EACH PUMP. THE VALVES SHOULD BE ACCESSIBLE WITHOUT HAVING TO ENTER THE WELL.

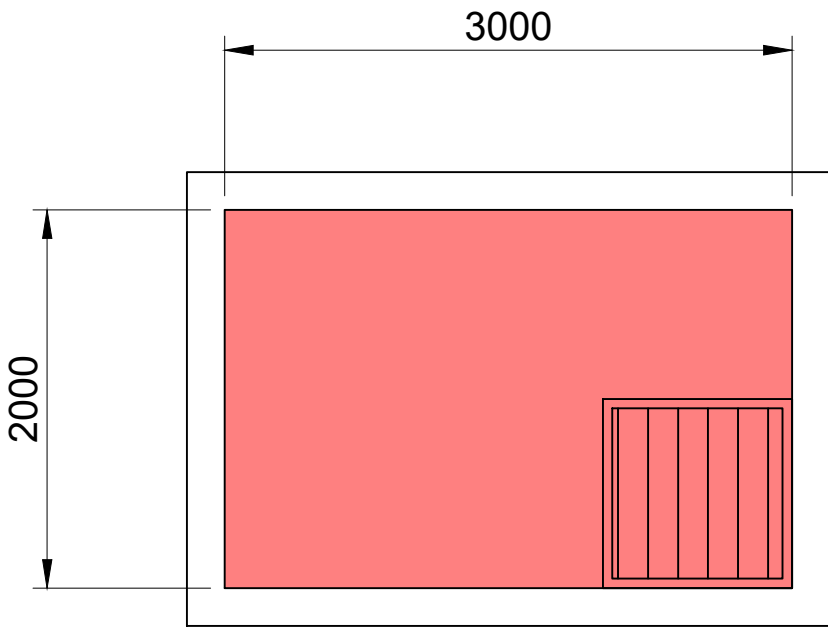


PUMP WELL DETAILS
AREA DRAINING TO SUMP = 41.80m²
VOLUME BASED ON 100 YEAR ARI 2 HOUR INTENSITY
INTENSITY = 50.0mm/hr
Q = 1 x50.0mm/hr x 41.80m² / 3600 = 0.58L/s
VOLUME REQUIRED = 0.58 x (60x60x2) = 4.18m³
STORAGE PROVIDED 2.0x3.0x1.0m= 6.00 m³

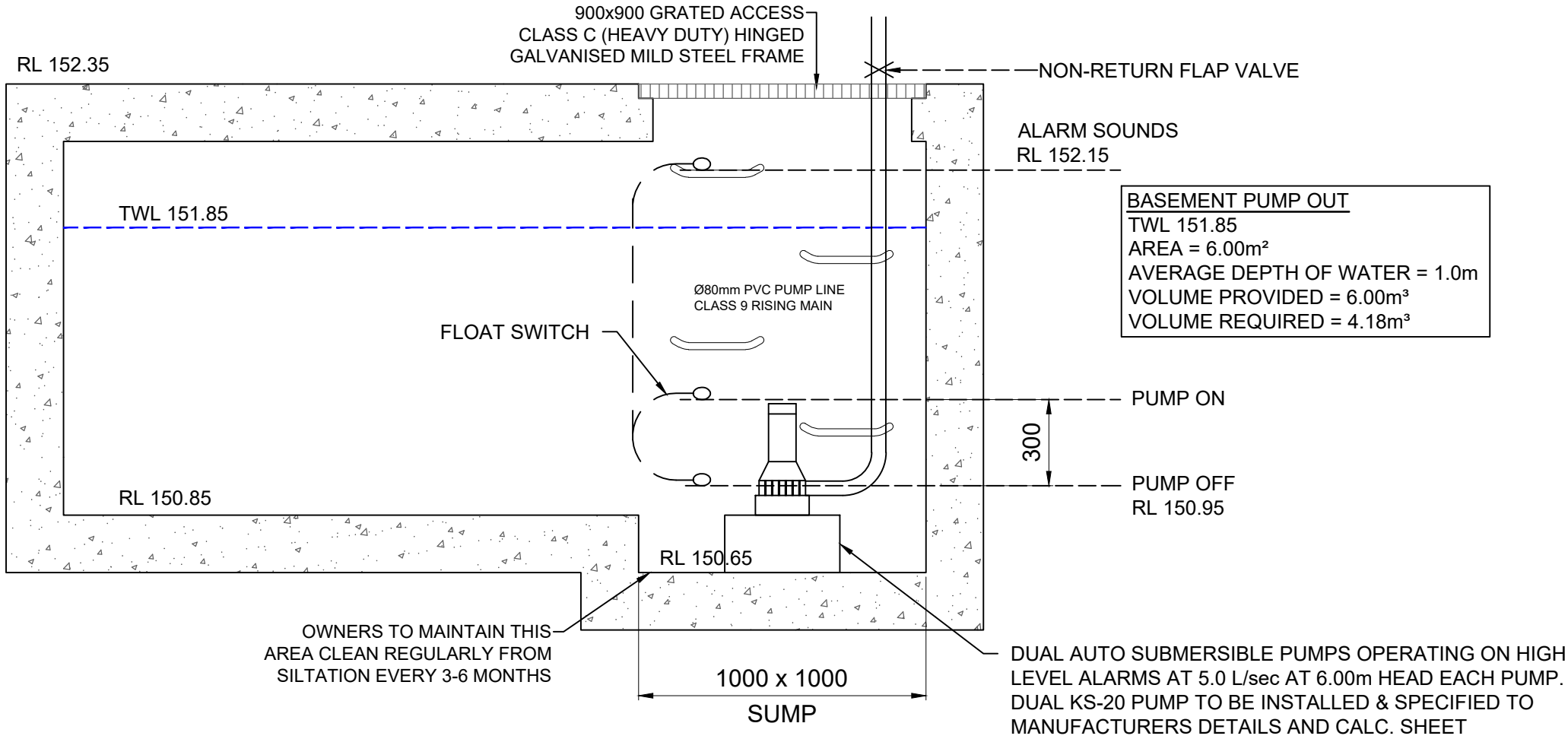
PUMP OUT RATE BASED ON 100 YEAR ARI 5 MIN
INTENSITY = 275mm/hr
Q = 1x275x41.80 / 3600 = 3.19L/s

DUAL KS-20 PUMP OR EQUIVALENT TO BE INSTALLED IN SUMP
AND CONNECTED TO CONTROL PANEL WHICH WILL ALLOW FOR
THE PUMPS TO OPERATE SIMULTANEOUSLY ON HIGH LEVEL
ALARMS AT 5.0L/sec (PER PUMP) AT 6.0m HEAD

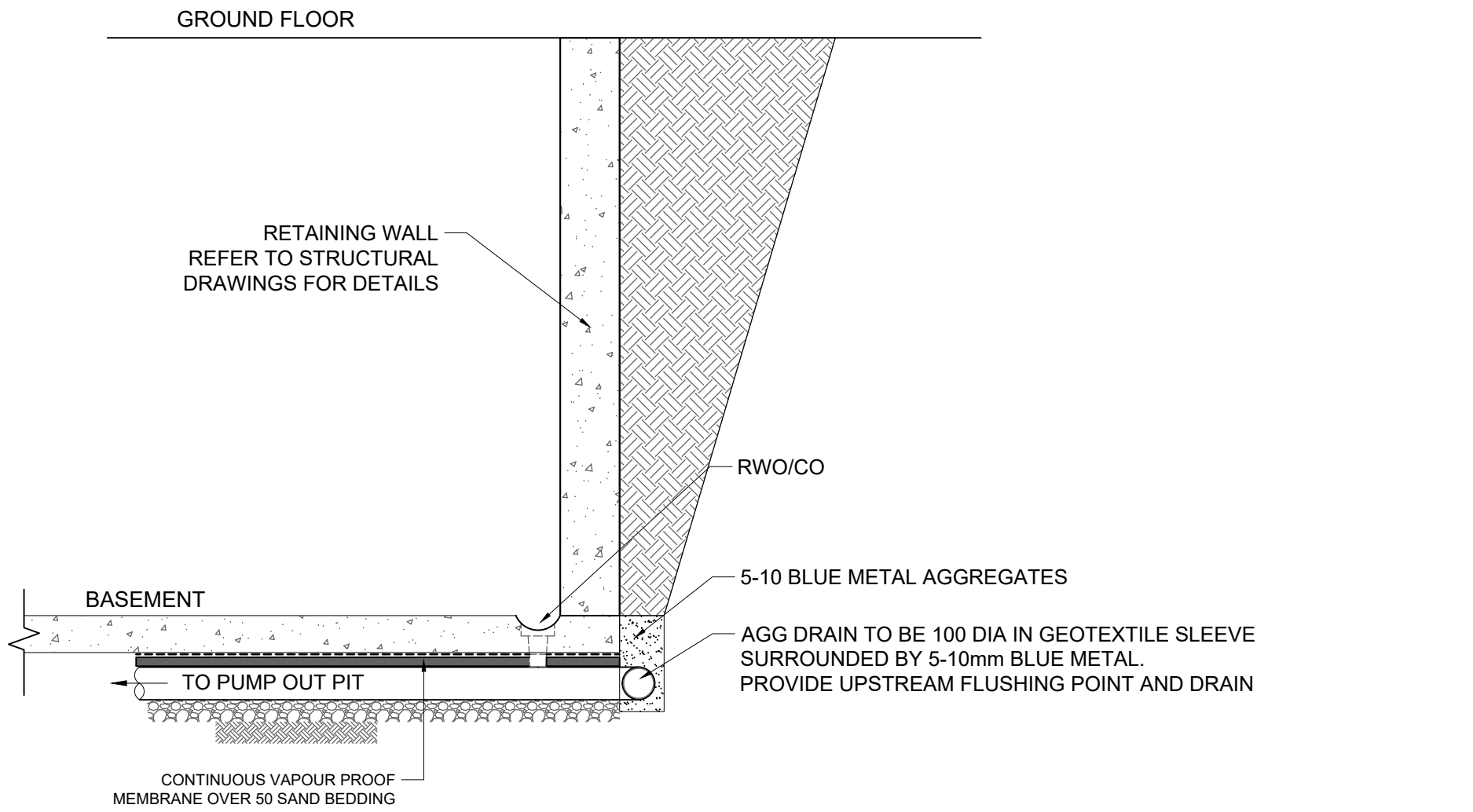
Type	Output		Outlet		Rated Head Capacity		Maximum Head Capacity		Weigh Kg	Dimension		
	HP	kW	mm	Inch	M	LPM	M	LPM		L(mm)	W(mm)	H(mm)
KS-03	1/3	0.25	40	1 1/2"	3	130	8	180	9	188	141	305
KS-04	1/2	0.4	50	2"	5	150	8	220	11	208	140	359
KS-05	1/2	0.4	50	2"	5	160	10	260	14	230	156	375
KS-08	1	0.75	50	2"	6	240	13	380	21	290	180	425
KS-20	2	1.5	80	3"	10	300	16	600	31	278	182	475
KS-30	3	2.2	80	3"	10	500	18	800	42	390	250	450
KS-50	5	3.7	100	4"	10	800	21	1100	48	450	240	530
KS-75	7 1/2	5.6	100	4"	15	800	23	1300	60	550	310	590
KS-100	10	7.5	150	6"	18	900	25	1600	70	550	310	610



PUMP OUT PIT PLAN VIEW
SCALE NTS

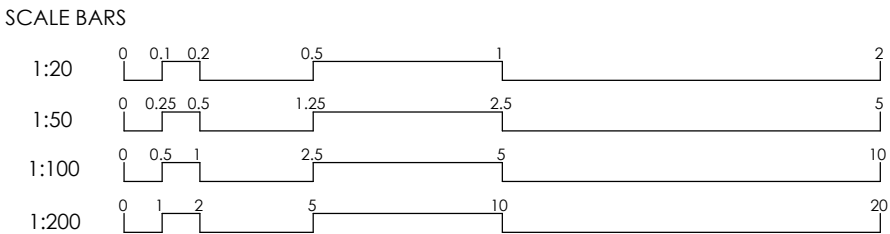


A
D03 SECTION THROUGH PUMP OUT PIT
SCALE: NTS



1
D01 TYPICAL BASEMENT SECTION
SCALE: NTS

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DRAWING TITLE STORMWATER DRAINAGE SECTIONS AND DETAILS SHEET 1			PROJECT 1, 5 & 7 GLADYS AVENUE, FRENCHS FOREST NSW 2086	
SHEET NO. D10	REV. A	SCALE @ A1 AS SHOWN	NORTH	PROJECT NO. 230023
DESIGNED: K.E.	DRAWN: N.E.	AUTHORISED: K.E.		PROJECT START DATE: JANUARY 2023

BASED ON NORTHERN BEACHES COUNCIL'S ON-SITE STORMWATER DETENTION TECHNICAL SPECIFICATION AN OSD SYSTEM IS REQUIRED FOR THE PROPOSED DEVELOPMENT.

POST DEVELOPMENT CATCHMENT CONDITIONS:

- IMPERVIOUS (DRIVEWAY, ROOF AND HARDSTAND): 2451.60m²
- PERVIOUS (LANDSCAPE): 1071.45m²

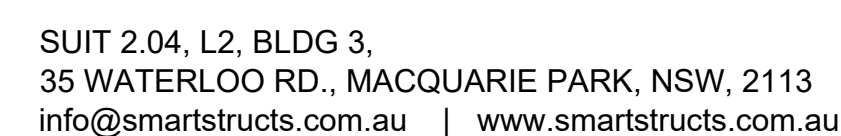
100 YEAR ARI (1% AEP) POST DEVELOPMENT - DRAINS MODEL

ON-SITE DETENTION DRAINS DESIGN SUMMARY				
STORM EVENT	PRE-DEVELOPMENT (l/s)	OSD OUTFLOW (l/s)	OSD VOL. (m ³)	TOP WATER LEVEL (m AHD)
5 YR ARI (20% AEP)	73	71	16.9	154.35
20 YR ARI (5% AEP)	117	92	34.8	154.61
100 YR ARI (1% AEP)	168	115	58.3	154.94

A	ISSUED FOR C.C.	10/02/23	N.E.	K.E.
No.	Description	Date	Issued by	Checked by

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WALSH ARCHITECTS

OSD DESIGN CALCULATIONS AND
DETAILS SHEET 1

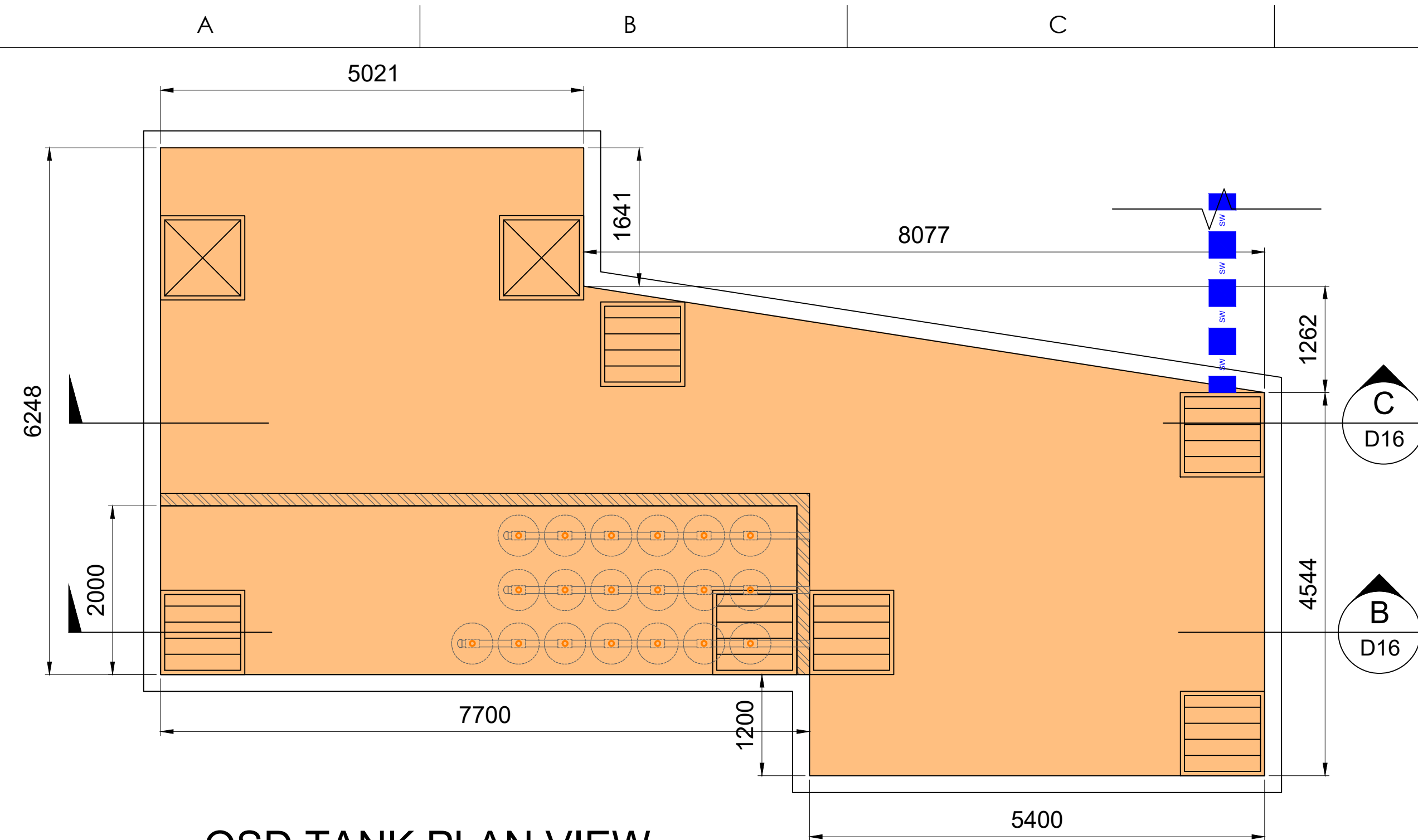
SCALE @ A1
AS SHOWN

AUTHORISED:
K.F.

PROJECT
1, 5 & 7 GLADYS AVENUE,
FRENCHS FOREST NSW 2086

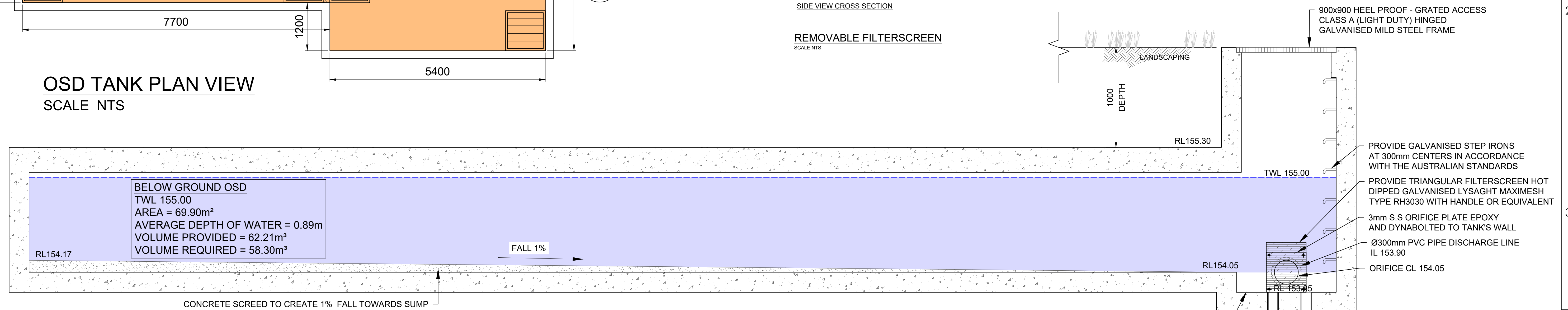
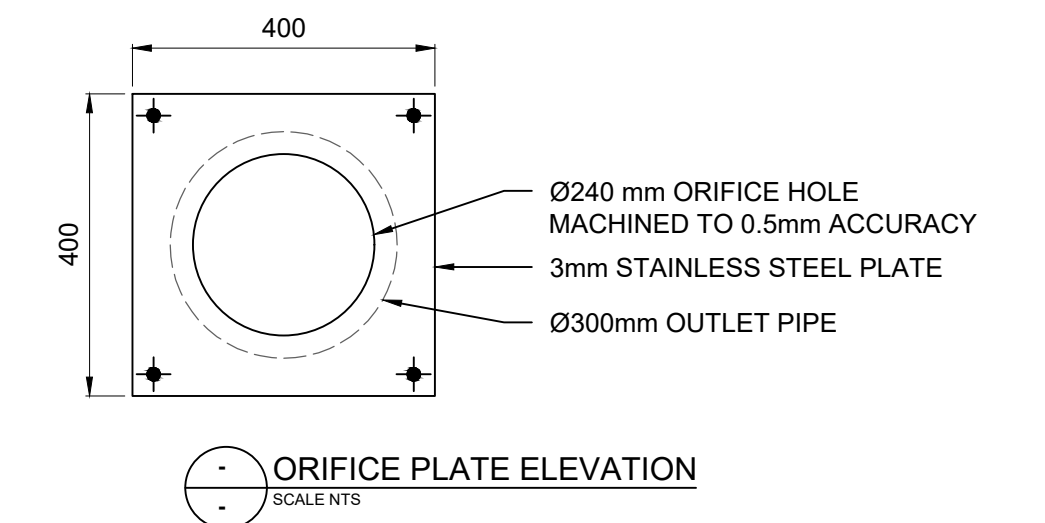
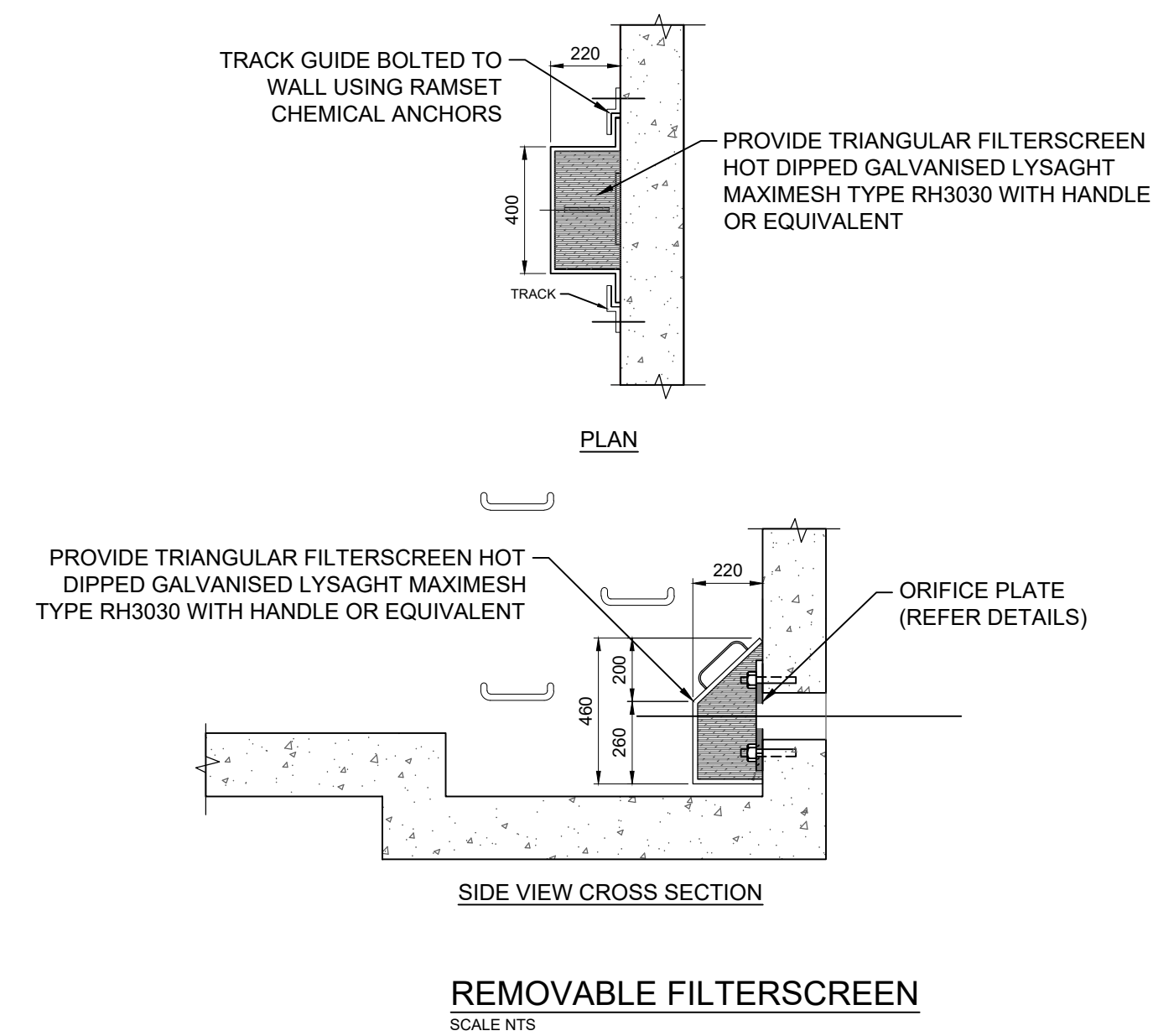
NORTH	PROJECT NO. 230023
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	PROJECT START DATE: JANUARY 2023
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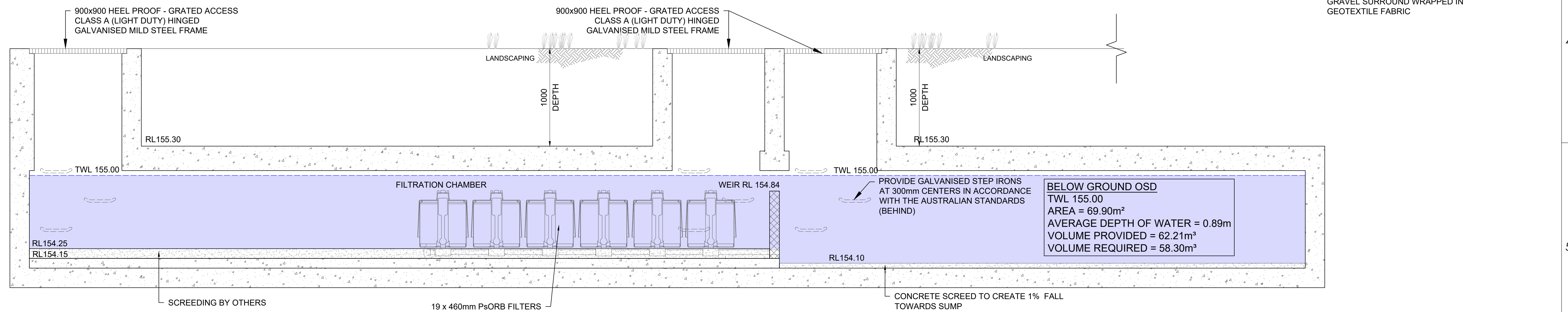


OSD TANK PLAN VIEW

SCALE NTS

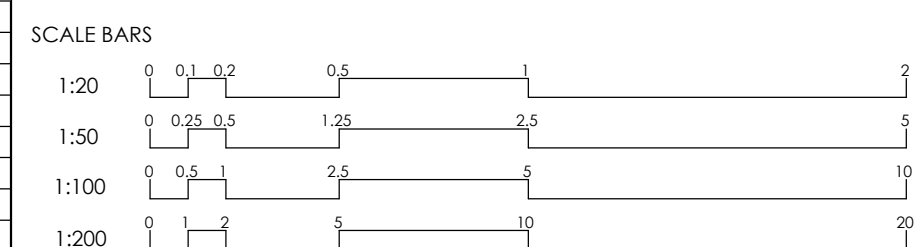


C SECTION THROUGH OSD TANK
D16 SCALE: NTS



B SECTION THROUGH OSD TANK
D16 SCALE: NTS

B	ISSUED FOR C.C.	20.02.23	N.E.	K.E.
A	ISSUED FOR C.C.	10.02.23	N.E.	K.E.
No.	Description	Date	Issued by	Checked by



CLIENT:

ARCHITECT:

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DRAWING TITLE

OSD DESIGN CALCULATIONS AND
DETAILS SHEET 2

SHEET NO.

D16

DESIGNED:
K E

REV.

B

DRAWN:
N E

SCALE @ A1

AS SHOWN

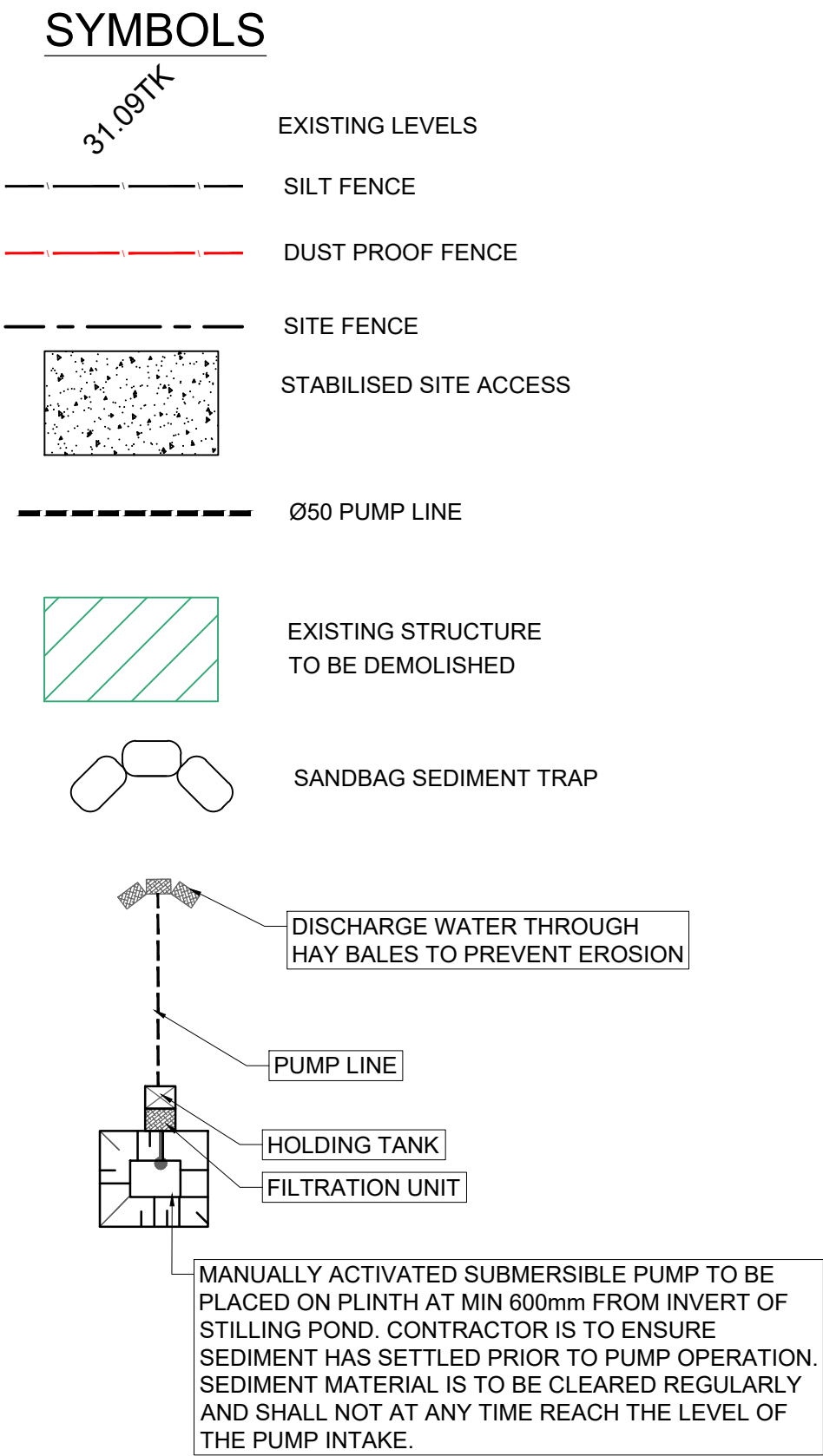
AUTHORISED:
K E

PROJECT
1, 5 & 7 GLADYS AVENUE,
FRENCHS FOREST NSW 2086

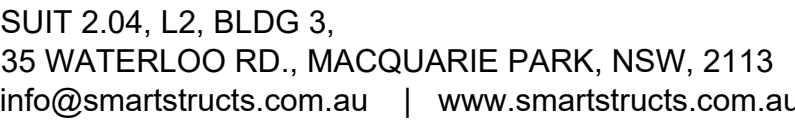
NORTH

PROJECT NO.	230023
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PROJECT START DATE:
JANUARY 2023



A	ISSUED FOR D.A.	10.02.23	N.E.	K.E.
No.	Description	Date	Issued by	Checked by



DRAWING TITLE EROSION AND SEDIMENT CONTROL PLAN AND DETAILS SHEET 1			PROJECT 1, 5 & 7 GLADYS AVENUE, FRENCHS FOREST NSW 2086	
SHEET NO. D25	REV. A	SCALE @ A1 AS SHOWN		PROJECT NO. 230023
DESIGNED: K.E.	DRAWN: N.E.	AUTHORISED: K.E.		PROJECT START DATE: JANUARY 2023

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