
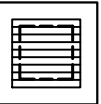

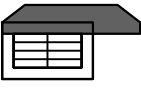



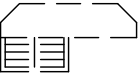








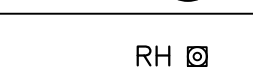



PROPOSED BOARDING HOUSE AT
225 BUNGARRIBEE ROAD, BLACKTOWN NSW

LEGEND	
DP ●	DOWNPIPE
— >>> —	STORMWATER LINE
— >>> —	STORMWATER LINE DRAINING TO RWT
— OF —	OVER FLOW PIPE
— — SSD —	SUBSOIL LINE
— — SWRM —	STORMWATER RISING MAIN
— — e —	EXISTING STORMWATER LINE
— SW — SW —	AUTHORITY STORMWATER LINE
— HL — HL —	HIGH LEVEL STORMWATER LINE
— — S —	AUTHORITY SEWER LINE
— — W —	AUTHORITY WATER LINE
— G — G —	AUTHORITY GAS LINE
— — E —	AUTHORITY ELECTRICITY LINE
— FO — FO — FO —	AUTHORITY FIBRE OPTIC LINE
— — TEL —	AUTHORITY COMMS LINE
— / — / —	FENCE LINE
	GRATED SURFACE INLET PIT
	GRATED SURFACE INLET PIT WITH ENVIROPOD INSERT
	JUNCTION PIT
	KERB INLET PIT
	EXISTING GRATED SURFACE INLET PIT
	GRATED TRENCH DRAIN
	EXISTING JUNCTION PIT
	EXISTING KERB INLET PIT
 eTEL	EXISTING TELSTRA PIT
 eHYD	EXISTING HYDRANT
 eSV	EXISTING STOP VALVE
 eGAS	EXISTING GAS VALVE
 ePP	EXISTING POWER POLE

LEGEND	
FF ○	FIRST FLUSH
 eSMH	EXISTING SEWER MANHOLE
OFF →	OVERLAND FLOW PATH
RWO ○	RAINWATER OUTLET
PS ●	PIPE STAND
CO ○	CLEAR OUT POINT
DDO ○	DISH DRAIN OUTLET
PD ○	PLANTER DRAIN
]	CAPPING
(1.0)	PIT TAG/NUMBER
RH ☒	RAINHEAD
	DOWNPIPE DROP
	NON RETURN VALVE
	WALL PENETRATION
DP ● —	DOWNPIPE SPREADER
	WARNING LIGHT
0.00 ●	SPOT LEVELS
▲	BENCHMARK



DIAL BEFORE YOU DIG SHOULD BE CONTACTED PRIOR TO ANY EXCAVATION ON SITE
TM: TRADE MARK OF THE ASSOCIATION OF DIAL BEFORE YOU DIG SERVICES LTD. USED UNDER LICENSE.

DRAWING REGISTER		
NUMBER	NAME	REVISION
SW001	COVER SHEET	C
SW010	BASEMENT PLAN	C
SW020	SITE STORMWATER PLAN	C
SW030	EASEMENT LONGITUDINAL SECTION	C
ER001	EROSION AND SEDIMENT CONTROL PLAN	C

DRAINAGE NOTES:

ALL PIPES TO BE LAID ON 75mm SAND BED WITH THE BARRELS FULLY SUPPORTED

100mm AND 150mm DIAMETER PIPES TO BE LAID ON MINIMUM 1% GRADE

MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR LOADING TO BE 300mm

ALL DRAINAGE PIPES LAID UNDER PAVEMENT SHALL BE REINFORCED CONCRETE WITH RUBBER RING JOINTS

BACKFILL TRENCHES WITH COMPACTED SAND OR APPROVED AGGREGATE MATERIAL

ALL PITS TO HAVE 600x600mm INTERNAL DIMENSIONS (U.N.O.)

SILT ARRESTORS TO HAVE 900x900mm INTERNAL DIMENSIONS

HEAVY DUTY GRATES AND COVERS ARE TO BE PROVIDED IN TRAFFICABLE AREAS

PIT GRATE TO BE TYPE WELDLOK OR APPROVED EQUIVALENT

ALL PITS SHALL BE PROVIDED WITH A LOCKING CLIP

ALL PITS SHALL BE MAINTAINED REGULARLY

TOP OF BENCHING SHALL BE TO THE HALF OF THE OUTLET PIPE DIAMETER

MAXIMUM FRONT ENTRY PIPE: –
STRAIGHT ENTRY – ø750
SKEW ENTRY 45° – ø525

ø100 SUBSOIL DRAINAGE PIPE 3000mm LONG WRAPPED IN FABRIC SOCK TO BE PROVIDED ADJACENT TO INLET PIPES

COMPRESSIVE STRENGTH f_c FOR CAST IN SITU CONCRETE TO BE A MINIMUM OF 20MPa AT 28 DAYS

PROVIDE CLEANING EYES TO ALL DOWNPIPES NOT DIRECTLY CONNECTED TO PITS

ISOLATED JOINTS TO BE PROVIDED TO ISOLATE CONCRETE PAVEMENTS FROM PITS

ALL TRENCH GRATES PROVIDED SHALL HAVE A MINIMUM CLEAR WIDTH OF 200mm

STORMWATER DRAINAGE CONNECTIONS TO THE MAIN SYSTEM SHALL BE TO THE REQUIREMENTS AND THE SATISFACTION OF LOCAL COUNCIL

ABBREVIATIONS:

ø or DIA DIAMETER
CBR CALIFORNIA BEARING RATIO
CH CHAINAGE
CL CENTER LINE
CO CLEAR OUT
DD DISH DRAIN
DDO DISH DRAIN OUTLET
DEJ DOWELLED EXPANSION JOINT
DGB DENSE GRADED BASECOURSE
DGS DENSE GRADED SUB-BASE
DP DOWNPIPE
e EXISTING
FFL FINISHED FLOOR LEVEL
GTD GRATED TRENCH DRAIN
GSP GRATED SURFACE INLET PIT
HYD HYDRANT
IJ ISOLATING JOINT
IK INTEGRAL KERB
IL INVERT LEVEL
IP INTERSECTION POINT
KIP KERB INLET PIT
KO KERB ONLY
K&G KERB & GUTTER
KR KERB RETURN
LS LONGITUDINAL SECTION
NGL NATURAL GROUND LEVEL
OFF OVERLAND FLOW PATH
OSD ON-SITE DETENTION
R RADIUS
RCP REINFORCED CONCRETE PIPE
RK ROLL KERB & GUTTER
RL REDUCED LEVEL
RW RETAINING WALL
RWT RAINWATER TANK
SJ SAWN CONTROL JOINT
SMH SEWER MAN HOLE
SW STORMWATER
SWP STORMWATER PIT
SWRM STORMWATER RISING MAIN
SWS STORMWATER SUMP
SV STOP VALVE
TOK TOP OF KERB
TOW TOP OF WALL
TWL TOP WATER LEVEL
TP TANGENT POINT
UPVC UNPLASTICISED POLYVINYL CHLORIDE
UNO UNLESS NOTED OTHERWISE
WPJ WEAKENED PLANE JOINT
FF FIRST FLUSH DEVICE
TYP TYPICAL
BM BENCH MARK

STORMWATER PIPE BEDDING/PAVING NOTES:

WHERE TRENCH BASE IS ROCK A MINIMUM OF 75mm BEDDING TO BE PROVIDED UNDER PIPE COLLARS.

STORMWATER PIPE BEDDING DETAIL TO BE IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENTS. BEDDING DETAILS TO BE CONFIRMED UPON EXCAVATION & PRIOR TO INSTALLATION OF PIPEWORK.

FOOTPATH REINSTATEMENT NOTES:

REMOVE ALL SAND FILL WITHIN THE FOOTPATH AREA TO THE EXISTING SUBGRADE.

SUPPORT ALL AUTHORITY SERVICES TO STRUCTURAL ENGINEERS DETAILS DURING EXCAVATION.

REINSTATE FOOTPATH SUBGRADE.

THE CONTRACTOR SHALL PROVIDE CERTIFICATION OF COMPACTION FROM A NATA REGISTERED TESTING AUTHORITY. MINIMUM THREE TESTS PER LAYER AS FOLLOWS:
SELECT FILL 95% MODIFIED
SELECT FILL (LESS THAN 300mm 98% MODIFIED
BELOW BASE COURSE)
BASE COURSE 100% MODIFIED

EROSION & SEDIMENT CONTROL NOTES:

PROVIDE SILT FENCE/HAY BAIL BARRIERS TO THE LOW SIDE OF ALL EXPOSED EARTH EXCAVATIONS (TYPICAL).

ISOLATE EXISTING STORMWATER PITS WITH HAY BALES TO FILTER ALL INCOMING FLOWS.

DO NOT STOCK PILE EXCAVATED MATERIAL ON THE ROAD WAY.

SURVEY

THE EXISTING SITE CONDITIONS SHOWN ON THE FOLLOWING DRAWINGS HAVE BEEN INVESTIGATED BY REGISTERED SURVEYORS. THE INFORMATION IS SHOWN TO PROVIDE A BASIS FOR DESIGN. CAPITAL ENGINEERING CONSULTANTS DOES NOT GUARANTEE THE ACCURACY OR COMPLETENESS OF THE SURVEY BASE OR ITS SUITABILITY AS A BASIS FOR CONSTRUCTION DRAW.

SHOULD DISCREPANCIES BE ENCOUNTERED DURING CONSTRUCTION BETWEEN THE SURVEY DATA AND ACTUAL FIELD DATA, CONTACT CAPITAL ENGINEERING CONSULTANTS.

ADOPT DATUM BM CUT IN KERB RL: 74.32 (A.H.D)

SERVICES SHOWN ON PLAN ARE INDICATIVE, EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.

IT IS THE BUILDERS RESPONSIBILITY TO MAKE SURE ALL SURVEY MARKS TO BE PRESERVED AT ALL COST.

Rev.	Description	By.	Chk.	App.	Date
C	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	01/09/2021
B	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	23/03/2021
A	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	25/02/2021



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Client

GUS FARES ARCHITECTS

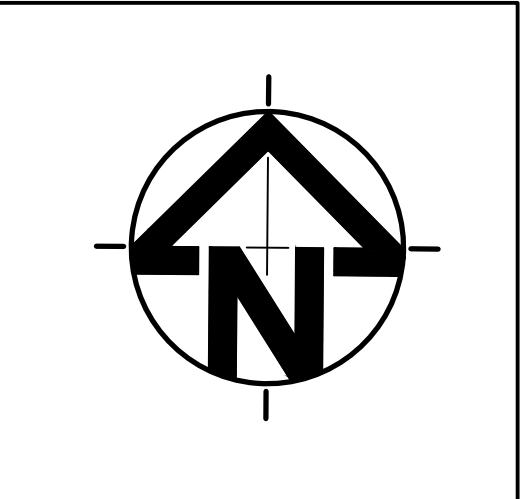
Project

225 BUNGARRIBEE ROAD, BLACKTOWN

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Title

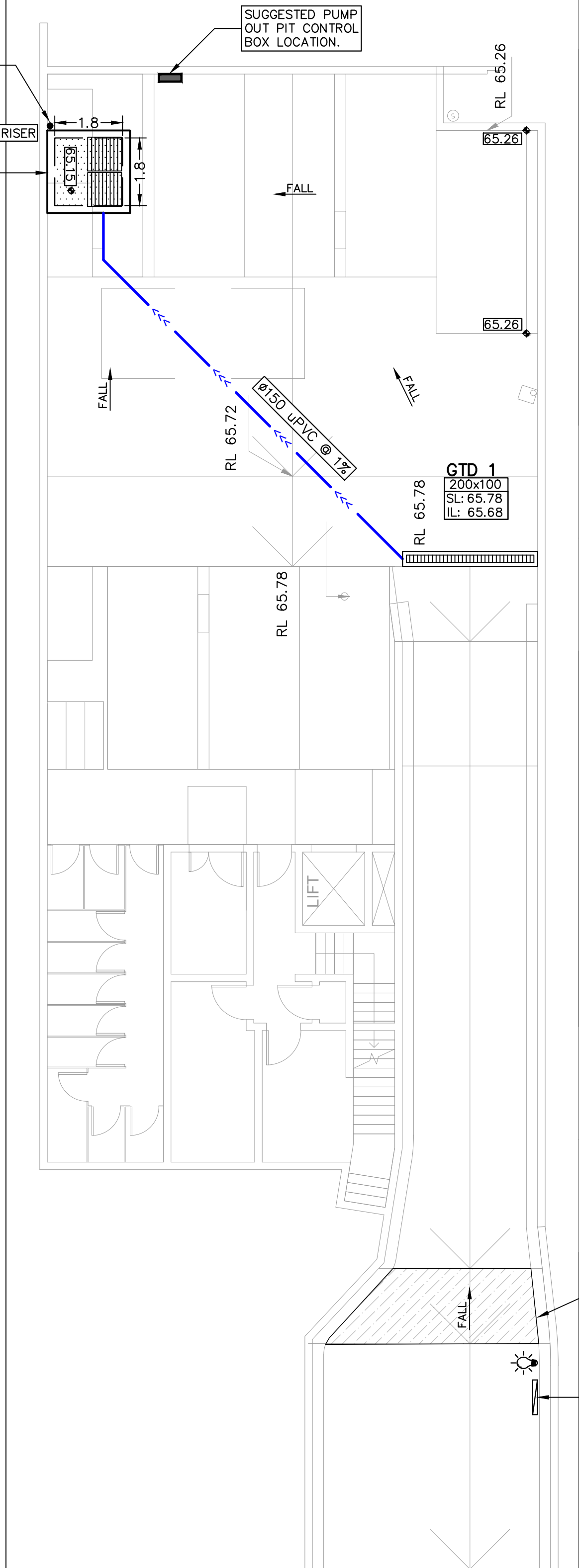
COVER SHEET



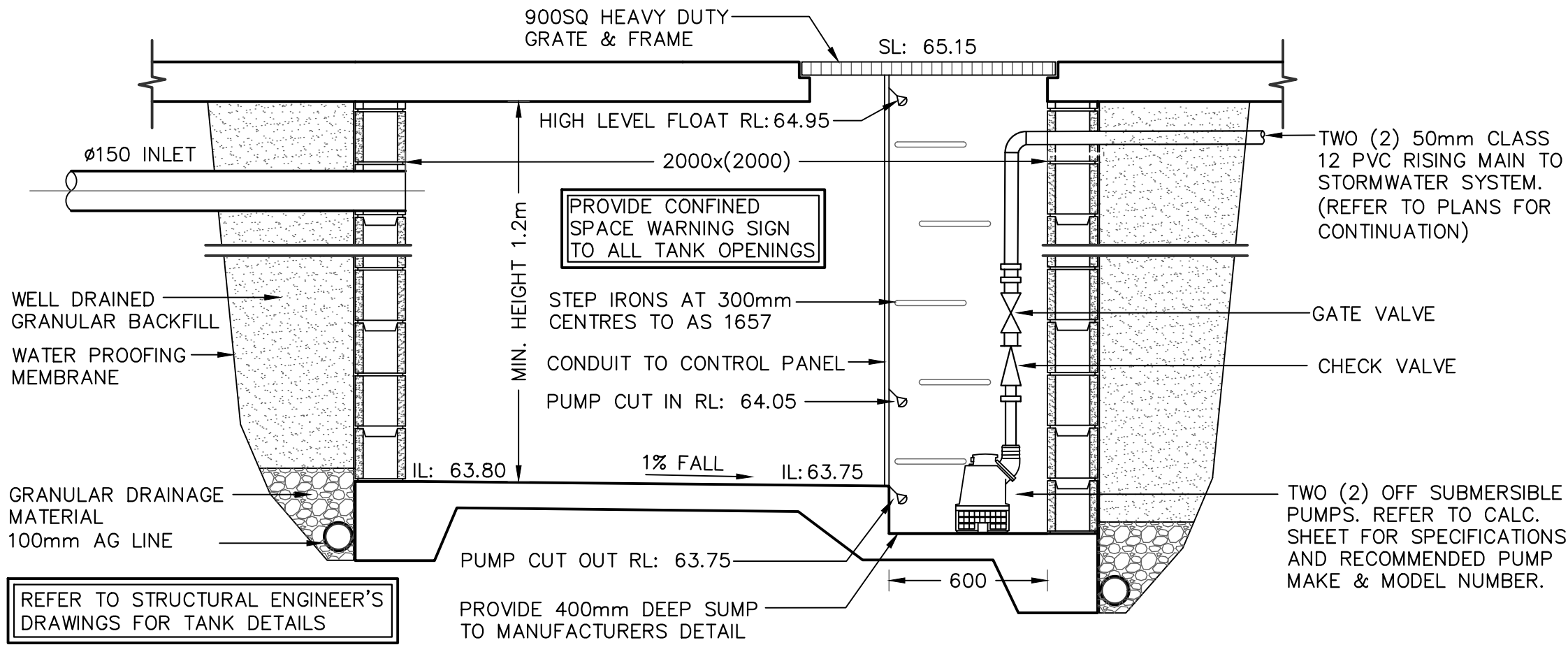
DEVELOPMENT APPLICATION (DA)					Approved	
FOR APPROVAL					P.E.	
Paper Size	Design	Drawn	Checked	Datum	PAUL EL-BAYEH B.E., M.E., FIEAust, CPEng, NER, RPEQ	
A1	H.Y	H.Y	M.W	AHD		
Scale	Date	Project Number		Drawing Number	Revision	
1:100	01/09/2021	SW21045		SW001	C	

PUMP-OUT TANK 1

AREA = 3.24 Sq.m
MAX DEPTH = 1200 mm
TOP WATER LEVEL = 64.95
VOLUME = 3.90 Cu.m



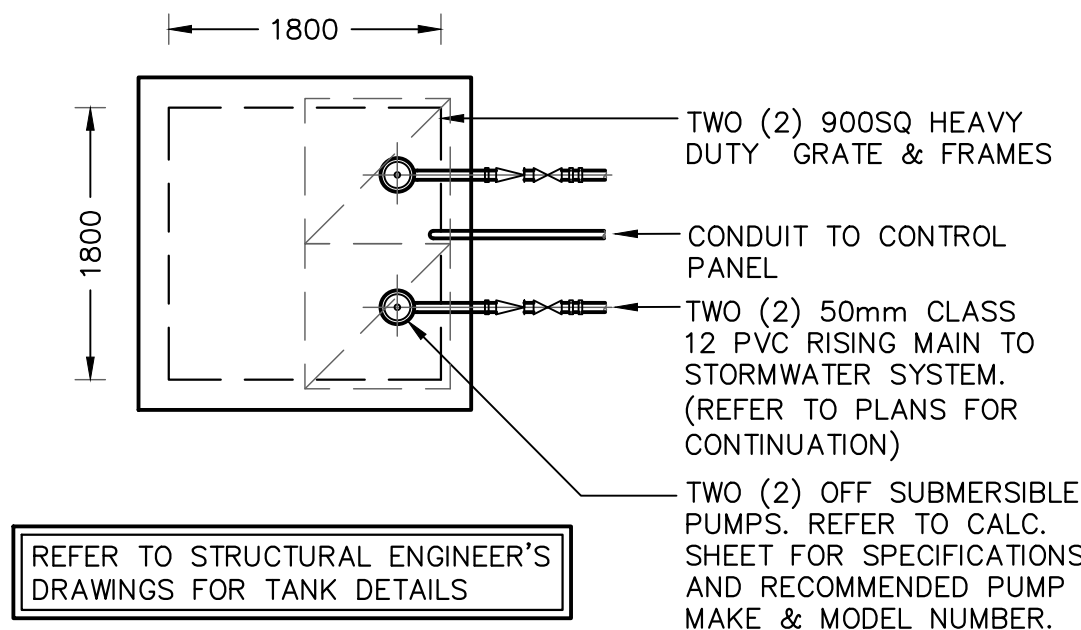
BASEMENT PLAN
SCALE 1:100



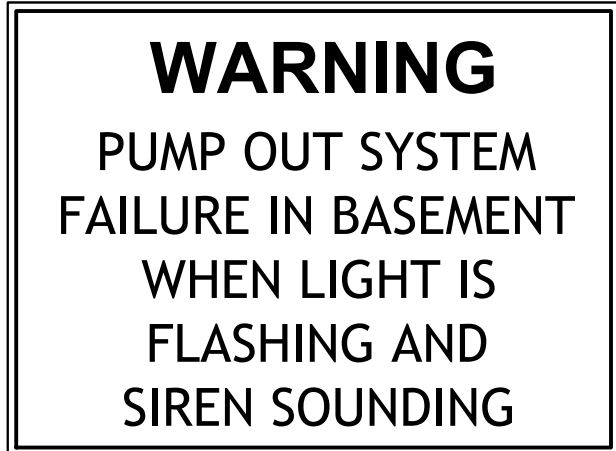
PUMP-OUT TANK SECTION DETAIL
SCALE N.T.S.



CONFINED SPACE SIGN DETAIL
SCALE 1:20



PUMP-OUT TANK PLAN DETAIL
SCALE 1:50



PUMP-OUT WARNING SIGN DETAIL
SCALE 1:20

STANDARD PUMP OUT DESIGN

NOTES:

THE PUMP OUT SYSTEM SHALL BE DESIGNED TO BE OPERATED IN THE FOLLOWING MANNER: -

I). THE PUMPS SHALL BE PROGRAMMED TO WORK ALTERNATELY TO ALLOW BOTH PUMPS TO HAVE AN EQUAL OPERATION LOAD AND PUMP LIFE.

II). A 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 THIS FLOAT WILL FUNCTION AS AN OFF SWITCH FOR THE PUMPS AT THE MINIMUM WATER LEVEL. THE SAME FLOAT SHALL BE SET TO TURN ONE OF THE PUMPS ON UPON THE WATER LEVEL IN THE TANK RISING TO APPROXIMATELY 300MM ABOVE THE MINIMUM WATER LEVEL. THE PUMP SHALL OPERATE UNTIL THE TANK IS DRAINED TO THE MINIMUM WATER LEVEL.

III). A SECOND FLOAT SHALL BE PROVIDED AT A HIGH LEVEL, WHICH IS APPROXIMATELY THE ROOF LEVEL OF THE BELOW GROUND TANK. THIS FLOAT SHALL START THE OTHER PUMP THAT IS NOT OPERATING AND ACTIVATE THE ALARM.

IV). AN ALARM SYSTEM SHALL BE PROVIDED WITH A FLASHING STROBELIGHT AND A PUMP FAILURE WARNING SIGN 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.

V). A CONFINED SPACE DANGER SIGN SHALL BE PROVIDED AT ALL ACCESS POINTS TO THE PUMP OUT STORAGE TANK IN ACCORDANCE WITH THE UPPER PARRAMATTA RIVER CATCHMENT TRUST OSD HANDBOOK.

KEY NOTES:

INSTALL STEP IRONS FOR EASE OF ACCESS DURING MAINTENANCE OF PUMP OUT CONTROL PIT TO COUNCIL SATISFACTION.

INSTALL CONFINED SPACE SIGN ABOVE PUMP OUT PIT FOR PUBLIC AWARENESS AND WARNING.

ALL STORMWATER PIPES ARE 100mm uPVC AND SLOPING @ 1.0% U.N.O (TYP).

ALL BUILDING AND HYDRAULIC SERVICES TO BE PROPERLY CO-ORDINATED WITH STORMWATER PIPES AND ENSURE NO CLASHES ARE PRESENT DURING CONSTRUCTION (TYP).

STORMWATER PIPE ARRANGEMENT TO BE CO-ORDINTED WITH STRUCTURAL SLAB AND BEAMS WHERE REQUIRED (TYP).

PUMP STORAGE CALCS:

BELOW GROUND STORAGE:

100yr 12 HR ARI STORM= 177mm
CATCHMENT AREA= 10.0m²

V=Axd
=10.0x(177/1000)
=1.77m³ REQUIRED (MIN. 3.0m³ ADOPTED AS PER AS3500.3)
=3.90m³ PROVIDED
PUMP DISCHARGE RATE WAS DESIGNED FOR THE 100yr 5MIN STORM:

Q=CIA/3600
=1.0x229x10.0/3600
=0.64 L/s REQUIRED @ 1.89 m OF HEAD

RECOMMENDED PUMP: DUAL **SABRE MODEL NO. KS-03** PUMPS WITH **50mm PVC CLASS 12** OUTLETS.

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

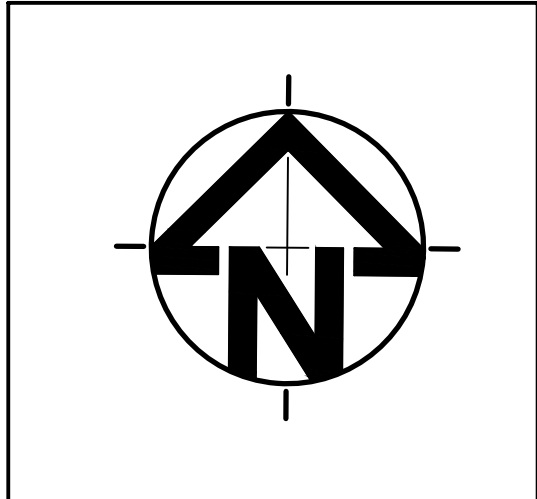
PUMP TO BE USED (IN ACCORDANCE WITH AS/NZS 3500.3 A 0.64L/S PUMP IS REQUIRED AT MINIMUM)

Rev.	Description	By.	Chk.	App.	Date
C	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	01/09/2021
B	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	23/03/2021
A	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	25/02/2021



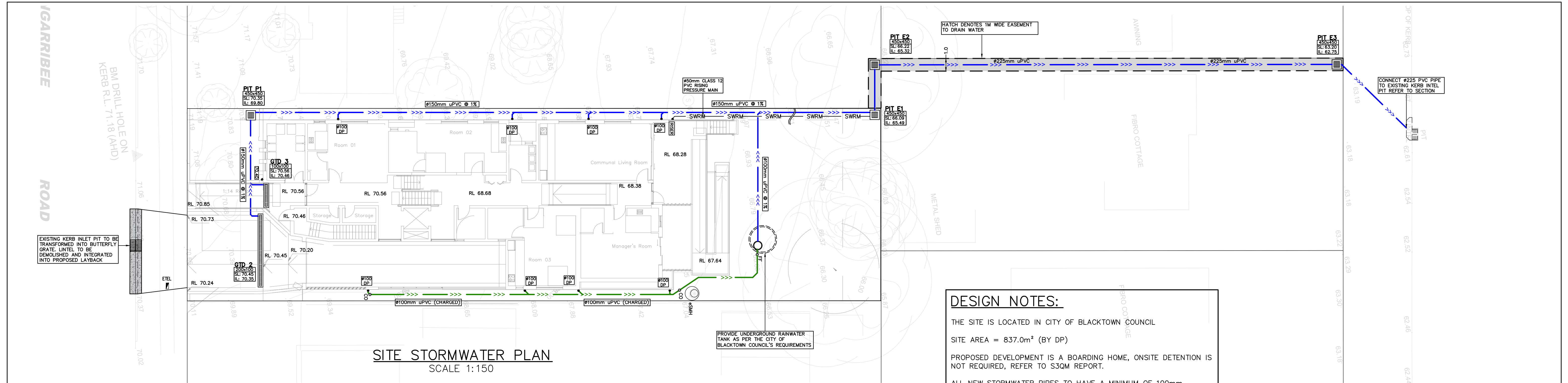
Client	GUS FARES ARCHITECTS
Project	225 BUNGARRIBEE ROAD, BLACKTOWN
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Title	BASEMENT PLAN
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DEVELOPMENT APPLICATION (DA)				
FOR APPROVAL				
Paper Size	Design	Drawn	Checked	Datum
A1	H.Y	H.Y	M.W	AHD
Scale	Date	Project Number		
1:100	01/09/2021	SW21045		

Approved	P.E.
PAUL EL-BAYEH B.E., M.E., FIEAust, CPEng, NER, RPEQ	
Drawing Number	Revision
SW010	C



SITE STORMWATER PLAN
SCALE 1:150

DESIGN NOTES:

THE SITE IS LOCATED IN CITY OF BLACKTOWN COUNCIL

SITE AREA = 837.0m² (BY DP)

PROPOSED DEVELOPMENT IS A BOARDING HOME, ONSITE DETENTION IS NOT REQUIRED, REFER TO S3QM REPORT.

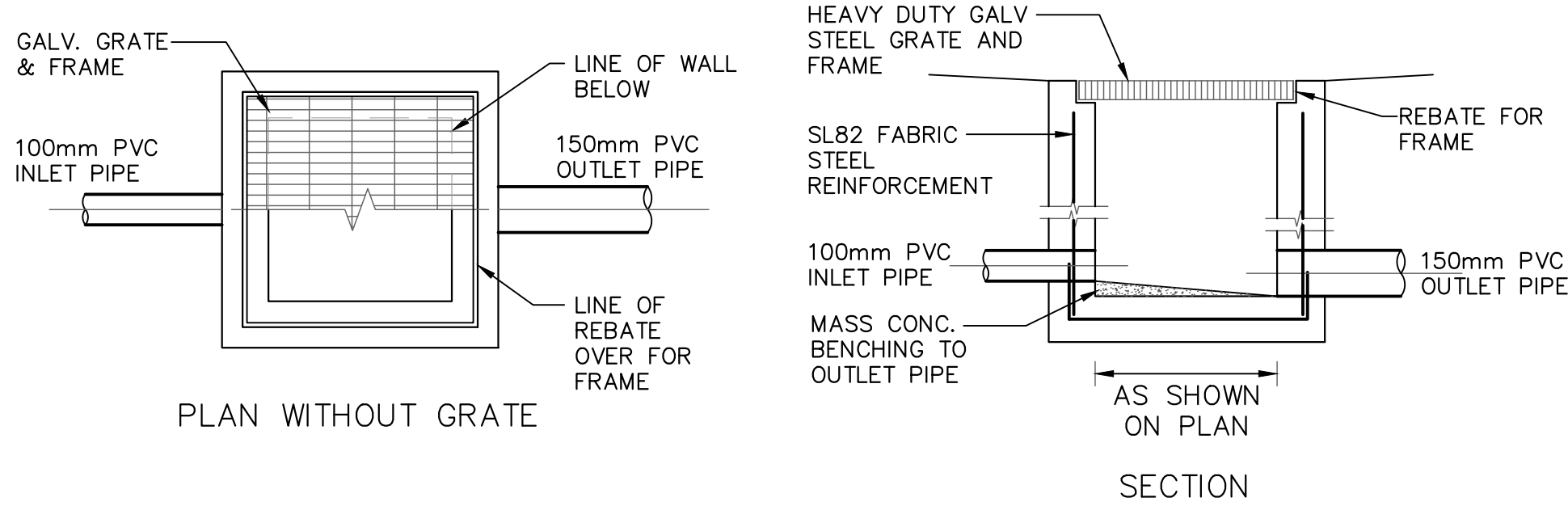
ALL NEW STORMWATER PIPES TO HAVE A MINIMUM OF 100mm CONCRETE OR 300mm TOPSOIL COVER U.N.O.

INSTALL CLEAR OUT FOR INSPECTION AND MAINTENANCE PURPOSES WHERE REQUIRED.

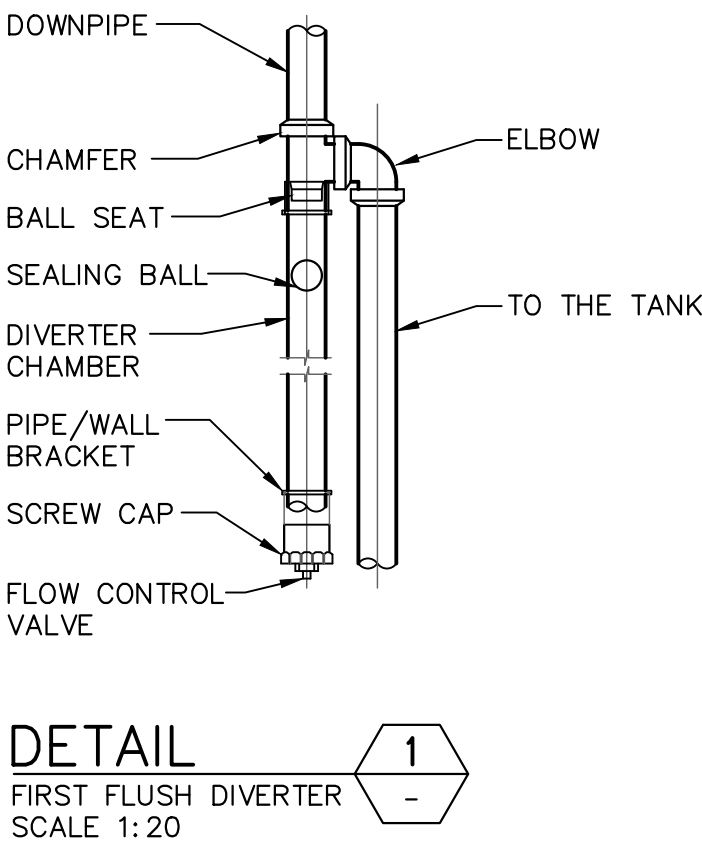
RAINWATER TANK TO BE EQUIPPED WITH FIRST FLUSH AND MOSQUITO PROTECTION DEVICES (REFER DETAIL).

LOCATION OF RAINWATER TANK SHOWN ON PLAN IS INDICATIVE. TO BE CONFIRMED DURING CONSTRUCTION.

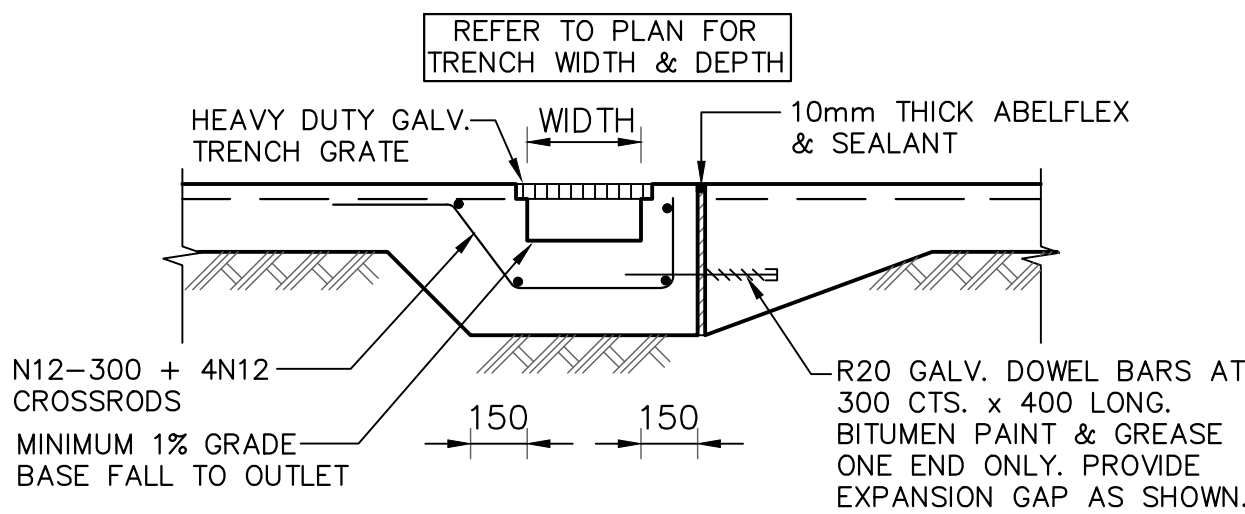
ENSURE THAT ALL STORMWATER PIPES ARE A MINIMUM OF 600mm AWAY FROM SYDNEY WATER ASSETS (TYP).



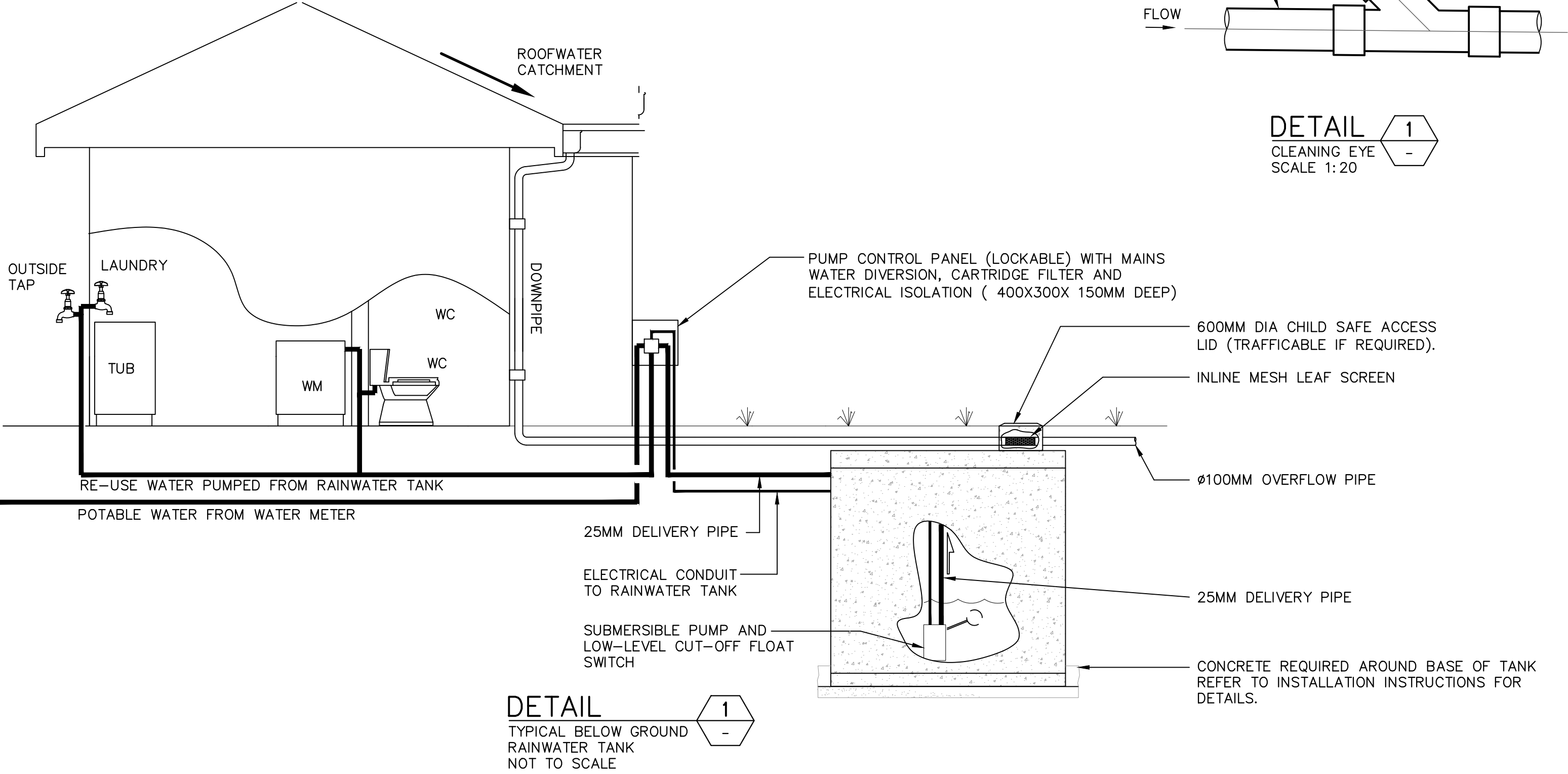
TYPICAL GRATED INLET PIT DETAIL
SCALE: 1:20



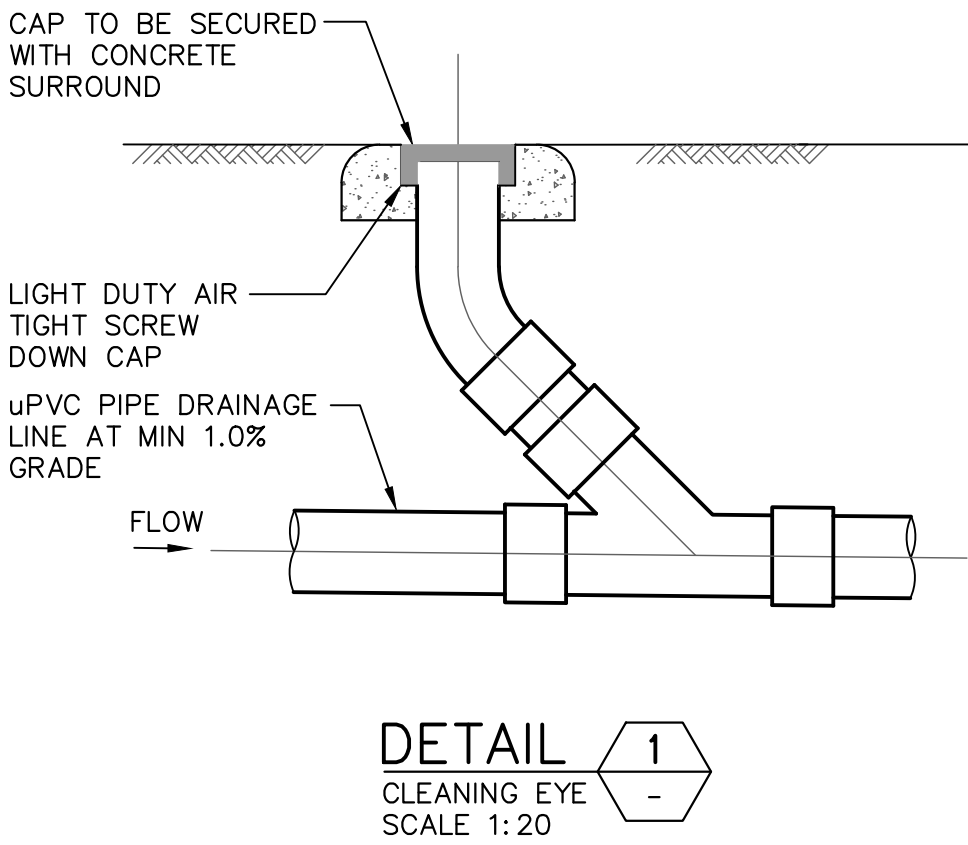
DETAIL 1
FIRST FLUSH DIVERTER
SCALE 1:20



GRATED DRAIN DETAIL
SCALE: 1:20



DETAIL 1
TYPICAL BELOW GROUND
RAINWATER TANK
NOT TO SCALE



DETAIL 1
CLEANING EYE
SCALE 1:20

Rev.	Description	By.	Chk.	App.	Date
C	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	01/09/2021
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A	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	25/02/2021



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Client

GUS FARES ARCHITECTS

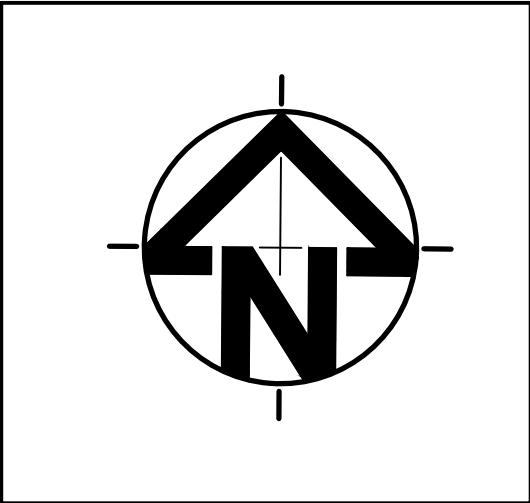
Project

225 BUNGARRIBEE ROAD, BLACKTOWN

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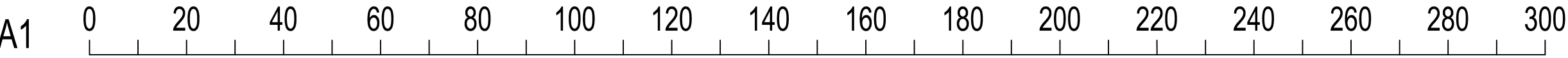
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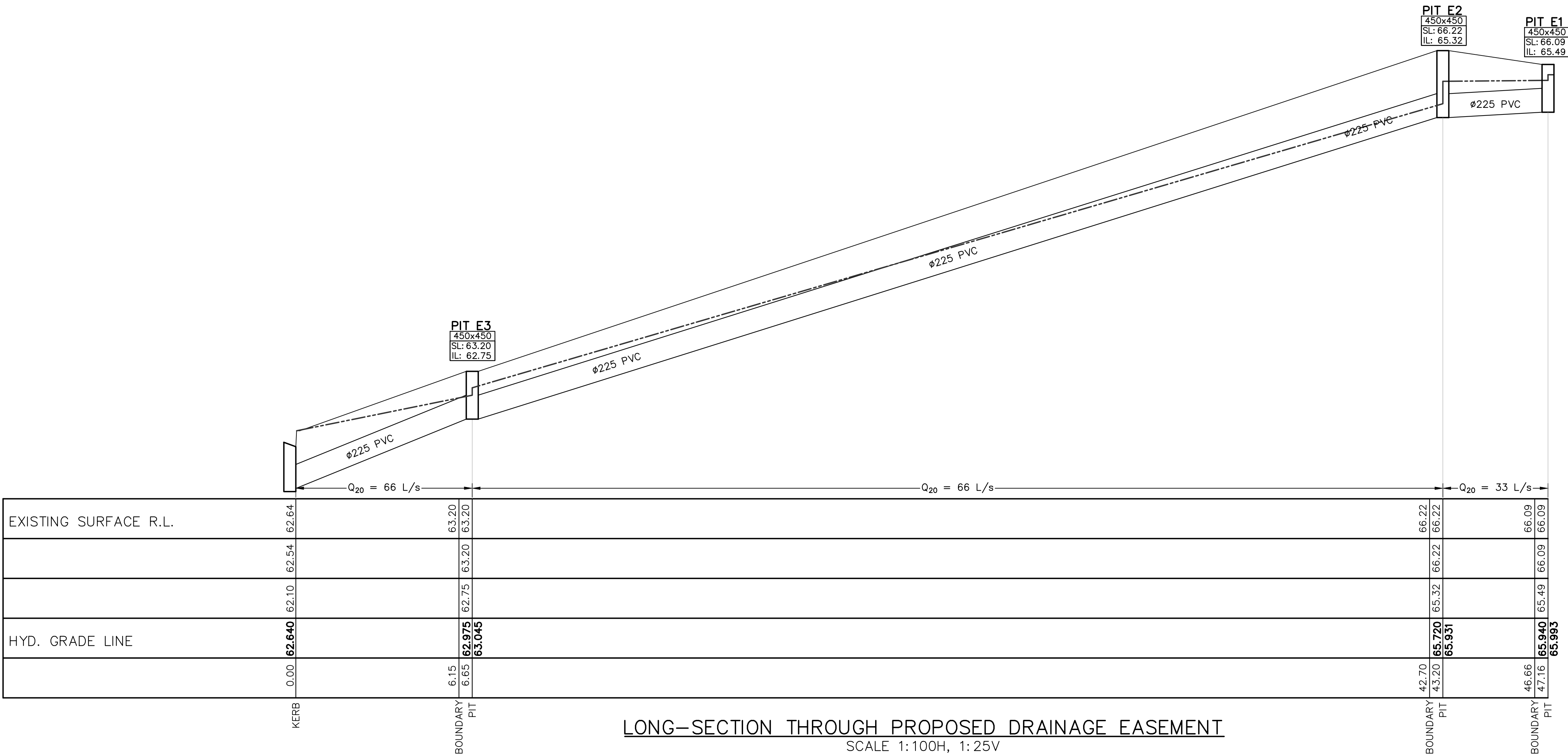
**SITE STORMWATER PLAN
SECTIONS & DETAILS**



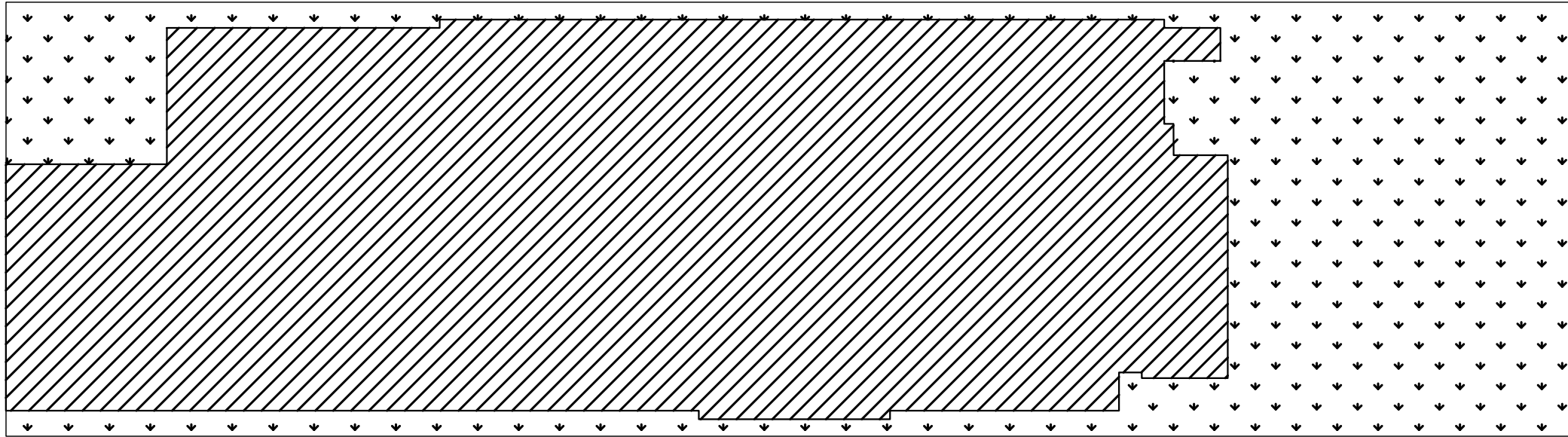
DEVELOPMENT APPLICATION (DA)				
FOR APPROVAL				
Paper Size A1	Design H.Y	Drawn H.Y	Checked M.W	Datum AHD
Scale 1:100	Date 01/09/2021	Project Number SW21045		

Approved	
P.E.	
PAUL EL-BAYEH B.E., M.E., FIEAust, CPEng, NER, RPEQ	
Drawing Number SW020	Revision C





LONG-SECTION THROUGH PROPOSED DRAINAGE EASEMENT
SCALE 1:100H, 1:25V



IMPERVIOUS/HARDSTAND AREA = 547 Sq.m
PERVIOUS AREA = 289.1 Sq.m

HYDRAULIC GRADE LINE CHECKING SHEET														
JOB NO. : 21046		225-227 Bungarrabee Road, Blacktown NSW												
Use for backward checking of pipe system										DESIGN ARI : 20 Year				
[1]	[2]	[3]	[4]	[5]	[6]	[7]	[8]	[9]	[10]	[11]	[12]	[13]	[14]	[15]
Pipe Reach	Length	Design Flowrate	Pipe Diameter	Full Pipe Velocity	V ² 2g	D/S HGL Level **	Pipe Friction Loss	HGL just below U/S Pit	Obvert Level at Upper end of Pipe	Pit Pressure Change Coeff. K _p {or K _u }	K _v V ² 2g	Adopted U/S Pit HGL (or Water) level*	U/S Surface Level	Freeboard (mm)
	L	Q		V		S _i L	[7] + [8]	[7] + [8]	[11] x [8]		[11] x [8]			
	[m]	[m ³ /s]	[m]	[m/s]	[m]	[m AHD]	[m]	[m AHD]	[m AHD]		(m)	[m AHD]	[m AHD]	
	7.6	0.066	0.225	1.660	0.140	62.640	0.067	62.707	62.975	0.5	0.070	63.045	63.200	155
	36.1	0.066	0.225	1.660	0.140	63.045	0.320	65.720	65.625	1.5	0.211	65.931	66.220	289
	3.5	0.033	0.225	0.830	0.035	65.931	0.009	65.940	65.715	1.5	0.053	65.993	66.090	97

Rev.	Description	By.	Chk.	App.	Date
C	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	01/09/2021
B	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	23/03/2021
A	ISSUED FOR DEVELOPMENT APPLICATION	H.Y	M.W	P.E.	25/02/2021



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Client

GUS FARES ARCHITECTS

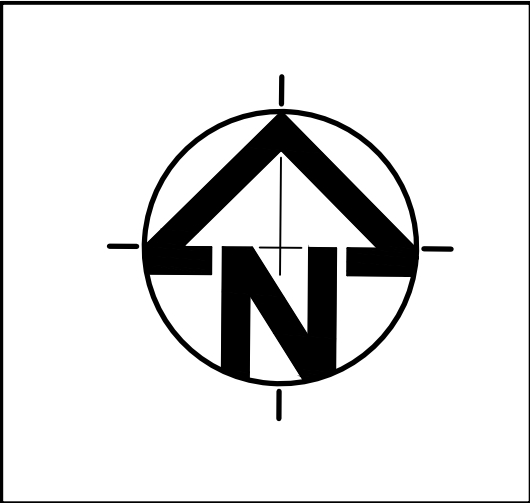
Project

225 BUNGARRIBEE ROAD, BLACKTOWN

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Title

EASEMENT
LONGITUDINAL SECTION

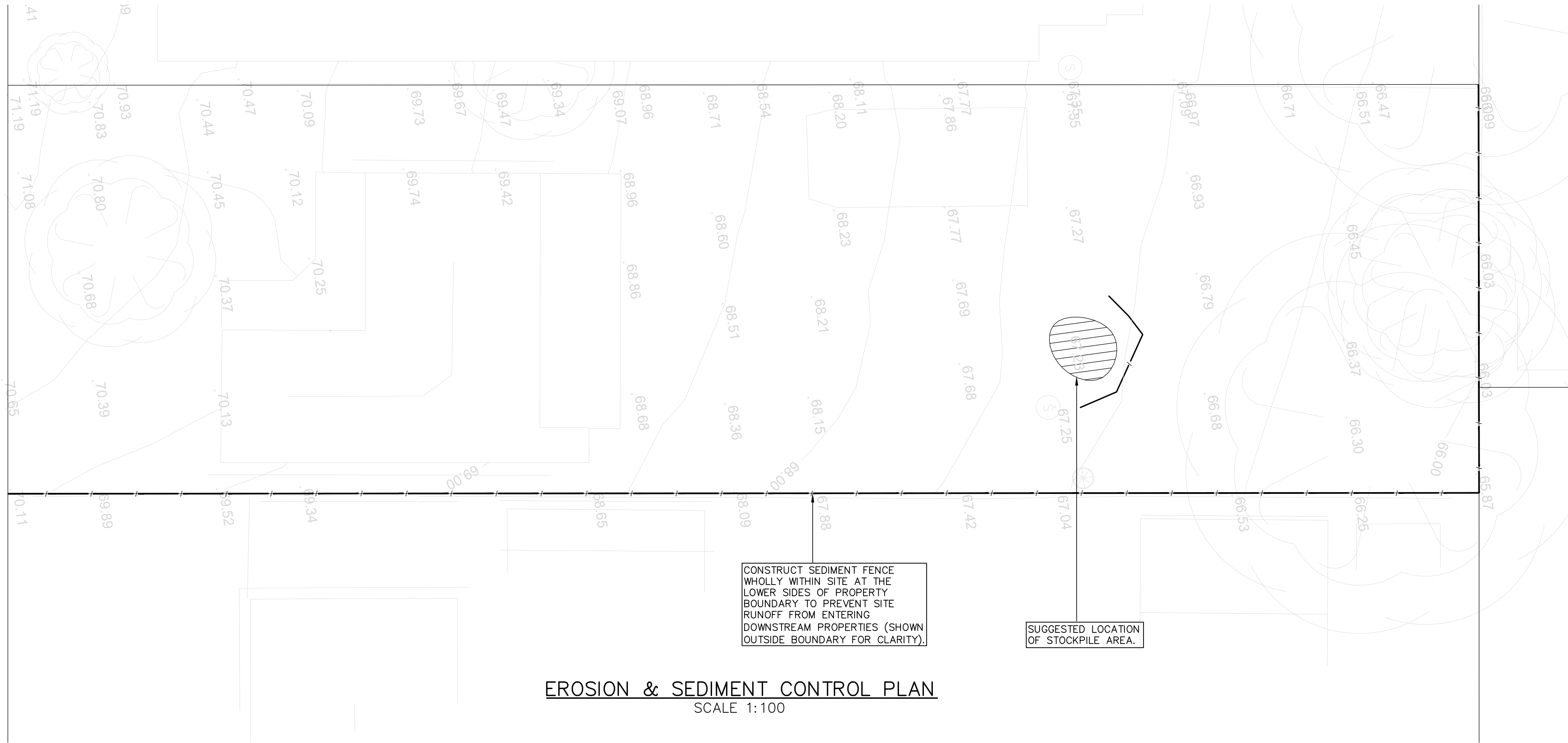


DEVELOPMENT APPLICATION (DA)

FOR APPROVAL

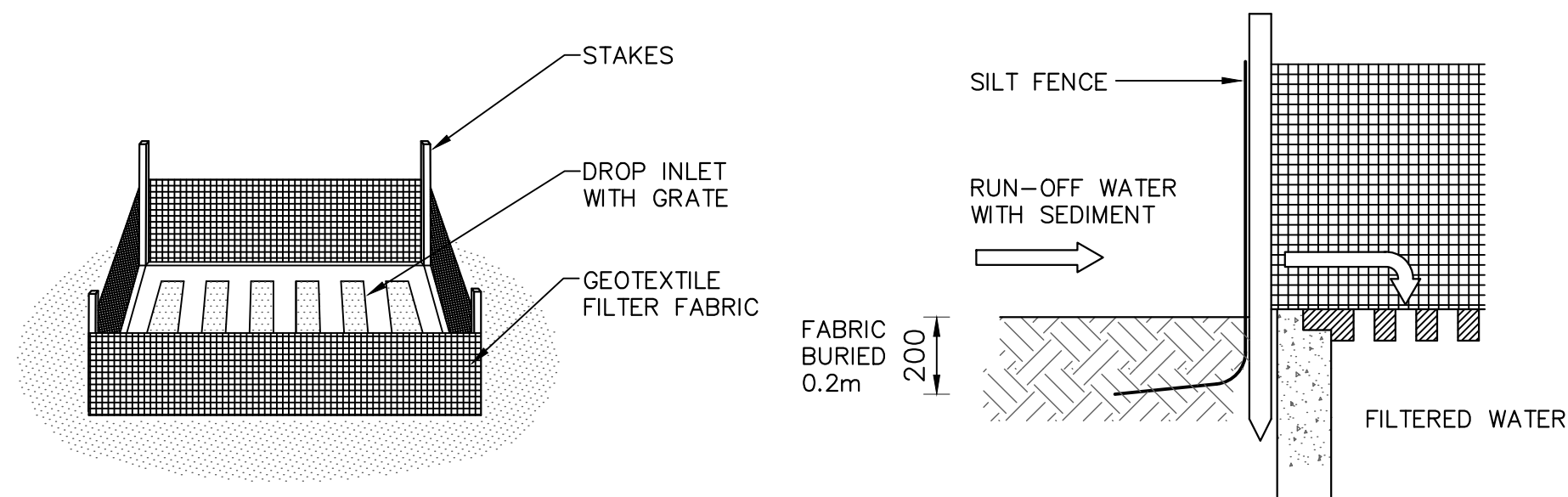
Paper Size	Design	Drawn	Checked	Datum
A1	H.Y	H.Y	M.W	AHD
Scale	Date	Project Number		
1:100	01/09/2021	SW21045		

Approved	
P.E.	
PAUL EL-BAYEH B.E., M.E., FIEAust, CPEng, NER, RPEQ	
Drawing Number	Revision
SW030	C



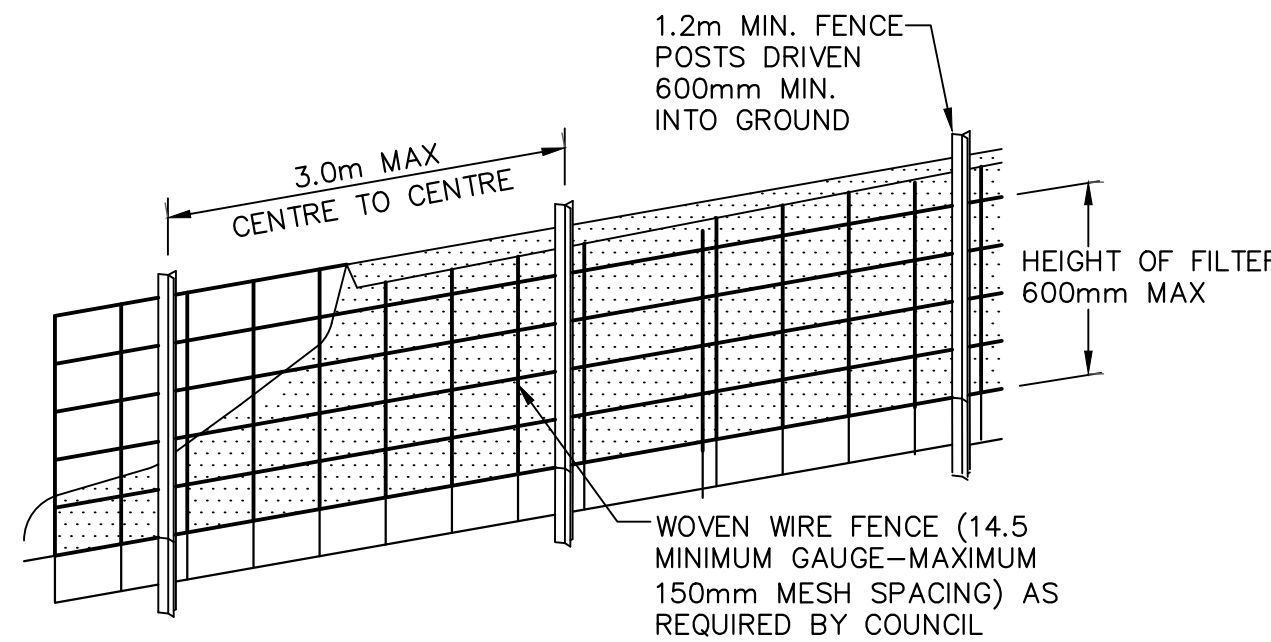
EROSION & SEDIMENT CONTROL PLAN

SCALE 1:100



SUMP SEDIMENT TRAP DETAIL

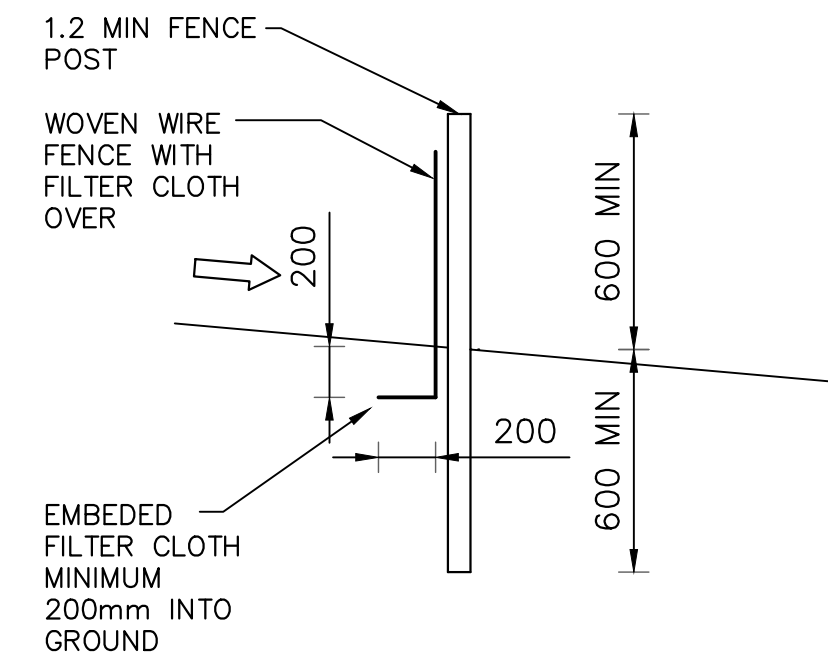
NOT TO SCALE



DIAGRAMMATIC VIEW

SEDIMENT FENCE DETAIL

NOT TO SCALE



TYPICAL SECTION

EROSION CONTROL

BEFORE EARTHWORKS CAN COMMENCE THE EROSION & SEDIMENT CONTROL MEASURES MUST BE IN PLACE.

DURING THE CONSTRUCTION PERIOD, THESE CONTROL MEASURES WILL NEED TO BE INSPECTED & MAINTAINED REGULARLY, ESPECIALLY AFTER STORM EVENTS, BY THE CONTRACTOR.

ALL WORK IS TO BE CARRIED OUT TO PREVENT EROSION, CONTAMINATION & SEDIMENTATION OF THE STORAGE SITE, SURROUNDING AREAS & DRAINAGE SYSTEMS.

MINIMIZE DISTURBED AREA COVERED WITH NATURAL VEGETATION. ONLY THOSE AREAS DIRECTLY REQUIRED FOR CONSTRUCTION ARE TO BE DISTURBED.

INSTALL EROSION/SEDIMENT CONTROL MEASURES PRIOR TO COMMENCEMENT OF CONSTRUCTION OR EXCAVATION OPERATIONS.

PROVIDE SILT FENCE/STRAW BAIL BARRIERS TO THE LOW SIDE OF ALL EXPOSED EARTH EXCAVATIONS. TIE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (EG. HUMES PROPEX SILT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW GROUND.

ISOLATE EXISTING STORMWATER PITS WITH STRAW BALES OR SILT TRAPS TO FILTER ALL INCOMING FLOWS.

DO NOT STOCKPILE EXCAVATED MATERIAL ON THE ROAD WAY.

DIVERT CLEAN WATER FROM UNDISTURBED AREAS AROUND THE WORKING AREAS.

CONSTRUCTION ENTRY/EXIT SHALL BE VIA THE LOCATION NOTED ON THE DRAWING. CONTRACTOR SHALL ENSURE ALL DROPPABLE SOIL & SEDIMENT IS REMOVED PRIOR TO CONSTRUCTION TRAFFIC EXITING SITE. CONTRACTOR SHALL ENSURE ALL CONSTRUCTION TRAFFIC ENTERING AND LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

TREAT THE STORMWATER RUNOFF WITH SUSPENDED SOLIDS SO THE DISCHARGE WATER QUALITY TO COUNCIL STORMWATER DRAINAGE SYSTEM HAS A MAXIMUM CONCENTRATION OF SUSPENDED SOLIDS THAT DOES NOT EXCEED 50 MILLIGRAMS PER LITRE IN ACCORDANCE WITH THE PROTECTION OF THE ENVIRONMENT OPERATION ACT (POEO 1997) AND SHALL BE APPROVED BY LOCAL COUNCIL.

ADOPT TEMPORARY MEASURES AS MAY BE NECESSARY FOR EROSION & SEDIMENT CONTROL, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

- DRAINS: TEMPORARY DRAINS AND CATCH DRAINS.
- SPREADER BANKS OR OTHER STRUCTURES: TO DISPERSE CONCENTRATED RUNOFF.
- SILT TRAPS: CONSTRUCTION AND MAINTENANCE OF SILT TRAPS TO PREVENT DISCHARGE OF SCOURED MATERIAL TO DOWNSTREAM AREAS.

AFTER RAIN, INSPECT, CLEAN, AND REPAIR IF REQUIRED, TEMPORARY EROSION & SEDIMENT CONTROL MEASURES.

REMOVE TEMPORARY EROSION & SEDIMENT CONTROL MEASURES WHEN THEY ARE NO LONGER REQUIRED.

COMPLY WITH THE REQUIREMENTS OF LANDCOM'S MANAGING URBAN STORMWATER - SOIL AND CONSTRUCTION 'THE BLUE BOOK' LATEST EDITION

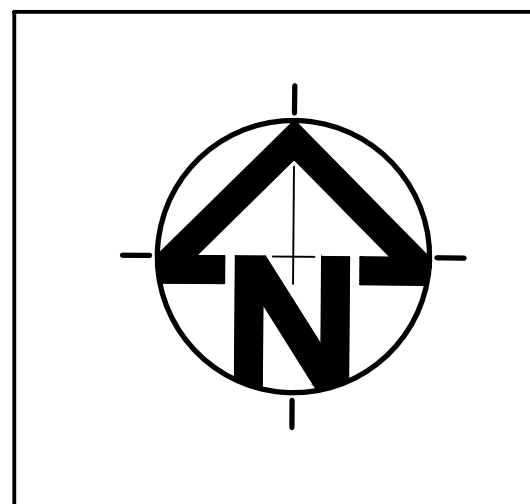
THE EROSION & SEDIMENT CONTROL PLAN PROVIDED IS ONLY INDICATIVE. THE CONTRACTOR SHOULD PREPARE A DETAILED ESCP SUITABLE FOR THE SPECIFIC SITE CONDITIONS

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EROSION AND SEDIMENT CONTROL PLAN



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ER001	C