

PROPOSED DOUBLE STOREY RESIDENCE AT: 11 MORELLA AVENUE, SEFTON, NSW 2162

STORMWATER DRAINAGE DRAWING PACKAGE

GENERAL NOTES

THIS PLAN IS A CONCEPT PLAN ONLY FOR STORMWATER DISPOSAL & EROSION CONTROL. IT IS NOT SUITABLE FOR CONSTRUCTION. THIS PLAN SHOULD BE ADAPTED BY THE BUILDER DURING DEMOLITION, EXCAVATION & CONSTRUCTION PHASES TO ENSURE ADEQUATE PERFORMANCE.

ALL DRAINAGE LAYOUT & DETAILS ARE DIAGRAMMATIC & INDICATIVE ONLY. ACTUAL LOCATION, SIZES, LEVELS & GRADES MAY ALTER WHEN DETAIL DESIGN WORKS ARE DOCUMENTED.

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



DRAWING REGISTER		
NUMBER	NAME	REVISION
SW01	COVER SHEET	00
SW02	EROSION & SEDIMENT CONTROL PLAN	00
SW03	BASEMENT DRAINAGE PLAN	00
SW04	SITE DRAINAGE PLAN	00
SW05	TYPICAL DETAILS	00
SW06	TRANSPIRATION DETAILS	00

EROSION & SEDIMENTATION CONTROL NOTES

CONTRACTOR SHALL PROVIDE SEDIMENT FENCING MATERIAL DURING CONSTRUCTION TO THE LOW SIDE OF THE WORKS. 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.

EXISTING DRAINS LOCATED WITHIN THE SITE SHALL ALSO BE ISOLATED BY SEDIMENT FENCING MATERIAL.

NO PARKING OR STOCKPILING OF MATERIALS IS PERMITTED ON THE LOWER SIDE OF THE SEDIMENT FENCE.

GRASS VERGES SHALL BE MAINTAINED AS MUCH AS PRACTICAL TO PROVIDE A BUFFER ZONE TO THE CONSTRUCTION SITE.

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 & LEAVING THE SITE DO SO IN A FORWARD DIRECTION.

AUTHORITY STORMWATER NOTES:

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL SET OUT AND LEVELS PRIOR TO COMMENCEMENT OF WORKS AND TO REPORT ANY DISCREPANCIES FOUND TO THE SUPERINTENDANT.

ALL SET OUT DIMENSIONS ARE TO FACE OF KERB, CENTERLINE OF FENCE/BOLARD/PIPE.

SMOOTH ALL TRANSITIONS BETWEEN NEW AND EXISTING WORK IN BOTH LEVEL AND ALIGNMENT.

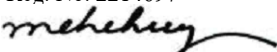
IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL SAFETY FENCES, WARNING SIGNS, TRAFFIC DIVERSIONS AND THE LIKE DURING CONSTRUCTION. ALL WORKS TO COMPLY WITH OCCUPATIONAL HEALTH AND SAFETY REQUIREMENTS AND OTHER RELEVANT AUTHORITY SAFETY REQUIREMENTS.

NO TREES SHALL BE REMOVED, CUTBACK OR RELOCATED WITHOUT THE WRITTEN INSTRUCTION FROM THE SUPERINTENDENT.

THE CONTRACTOR SHALL PROVIDE CERTIFICATION OF COMPACTION AND PAVEMENT THICKNESS FROM A NATA REGISTERED TESTING AUTHORITY. MINIMUM THREE TESTS PER LAYER AS FOLLOWS

PIPE BACKFILL	DENSITY INDEX 75
SELECT FILL	95% STANDARD
SELECT FILL (LESS THAN 300mm BELOW BASE COURSE)	98% MODIFIED
BASE COURSE	100% MODIFIED

THE AUSPEC SPECIFICATION SHALL BE THE SPECIFICATION FOR THESE WORKS.

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Drawn by:	A.K.				SAID MOOSAWI		PROPOSED DOUBLE STOREY RESIDENTIAL HOUSE AT 11 MORELLA AVENUE, SEFTON, NSW	STORMWATER DRAINAGE	24-10-2024
Revision:	00							Title: COVER SHEET	Scale @A3: NTS Drg No. SW01

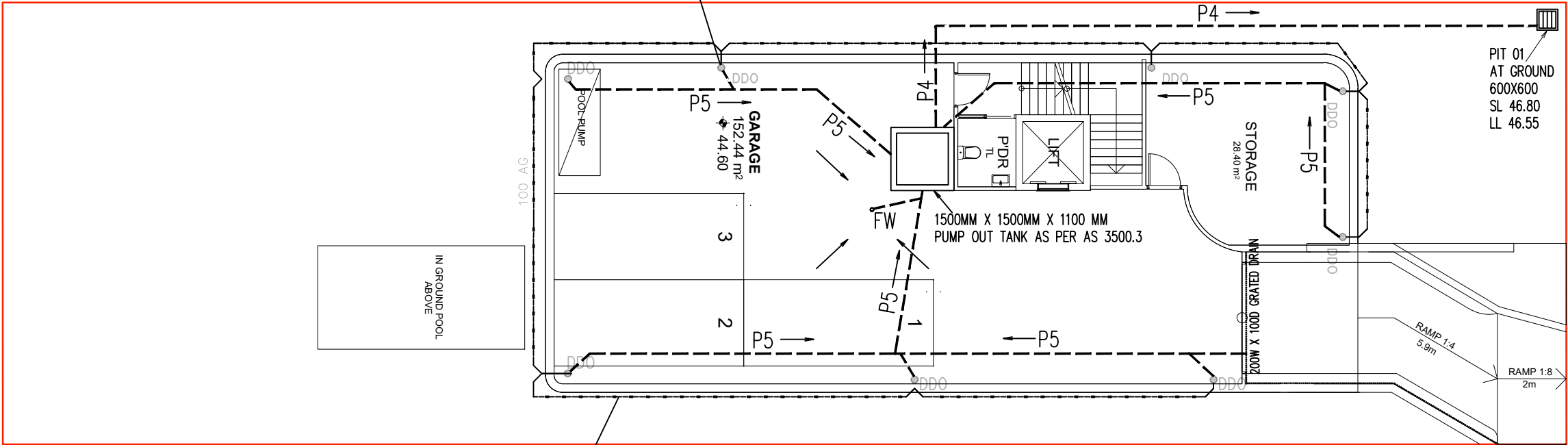
NOTES

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- Architectural site plan of a residential property located at 12802 27000 Ave, Morella Street. The plan shows the layout of the house, including the lounge, living/dining area, kitchen, laundry, and guest bedroom. It also features a pool, cabana, and various outdoor spaces. The property is bounded by sediment fences and has a driveway leading to a garage. The plan includes dimensions for various areas and setbacks from the street.
- Property Details:**
- Address:** 12802 27000 Ave, Morella Street
 - Setbacks:** 49.00, 49.10, 49.00, 49.00
 - Driveway:** 12.802, 27.000, 49.00
 - Garage:** 12.802, 27.000, 49.00
 - House Dimensions:**
 - Lounge: 9.54m x 9.54m
 - Living/Dining: 10m x 6m
 - Kitchen: 9.54m x 9.54m
 - Laundry: 9.54m x 9.54m
 - Guest Bedroom: 9.54m x 9.54m
 - Pool: 3m x 6m
 - Cabana: 9.54m x 9.54m
 - Other Features:**
 - BBQ
 - Terrace: 9.54m x 3m
 - Stairs: 47.50
 - Ramp: 1.4, 5.9m
 - Ramp: 1.8, 2m



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Drawn by:	A.K.							Title: SEDIMENT CONTROL PLAN	Scale @A3: 1:200
Revision:	00								Drg No. SW02

INSTALL 200mm HALF ROUND DISH DRAIN AND DISH DRAIN OUTLETS TO COLLECT STORMWATER SEEPAGE THROUGH BASEMENT WALLS (TYP).

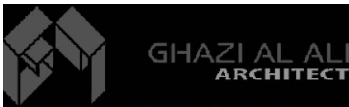


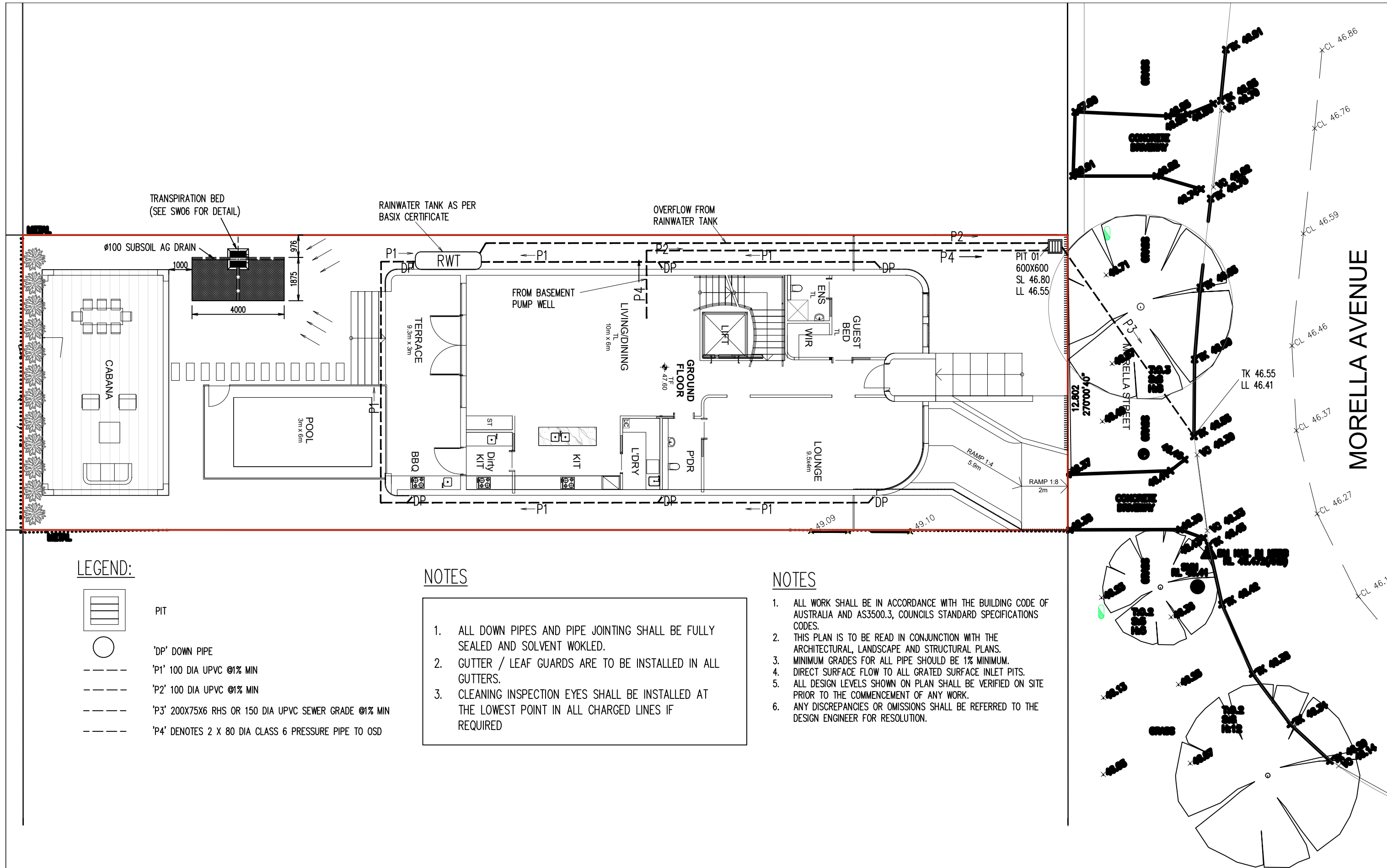
Ø100 AG. PIPE

----- 'P5' DENOTES 90 DIA UPVC@1% MIN THROUGH CONCRETE SLAB

----- 'P4' DENOTES 2 X 80 DIA CLASS 6 PRESSURE PIPE TO OSD

◦FW 'FW' DENOTES SPS 100 MM DIA RWO

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Revision:	00							Stormwater Drainage-Basement Plan	Scale @A3: 1:150 Drg No. SW03

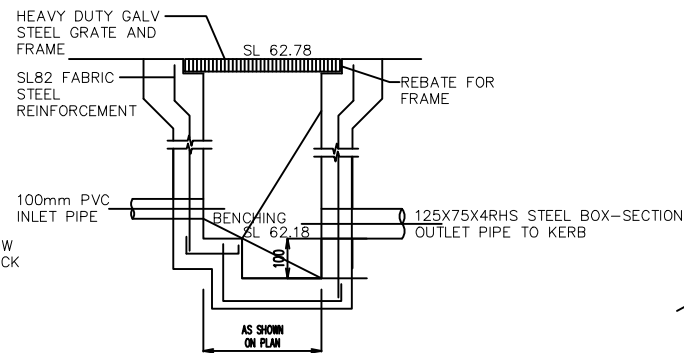


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Revision:	00							Title: GROUND FLOOR PLAN	Scale @A3: 1:150 Drg No. SW04

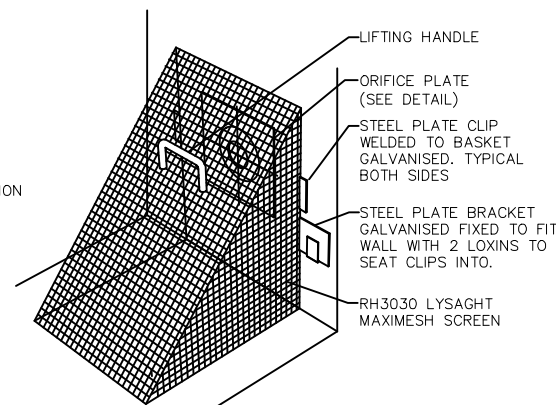


3
-
DETAIL
RAINWATER SIGN
SCALE 1:20

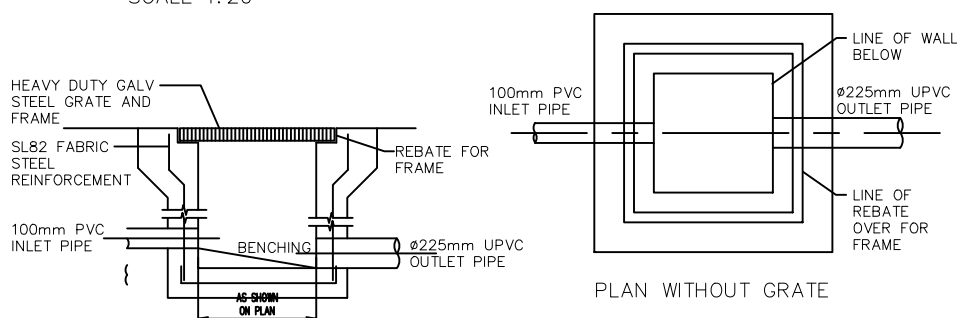
LEGEND:
BACKGROUND IS YELLOW
TEXT IS WHITE ON BLACK
BACKGROUND



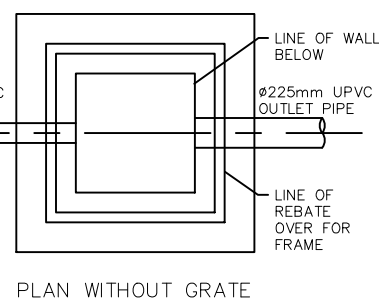
SILT ARREST PIT SECTION



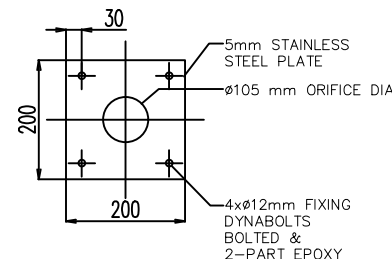
4
-
DETAIL
DEBRIS SCREEN
NOT TO SCALE



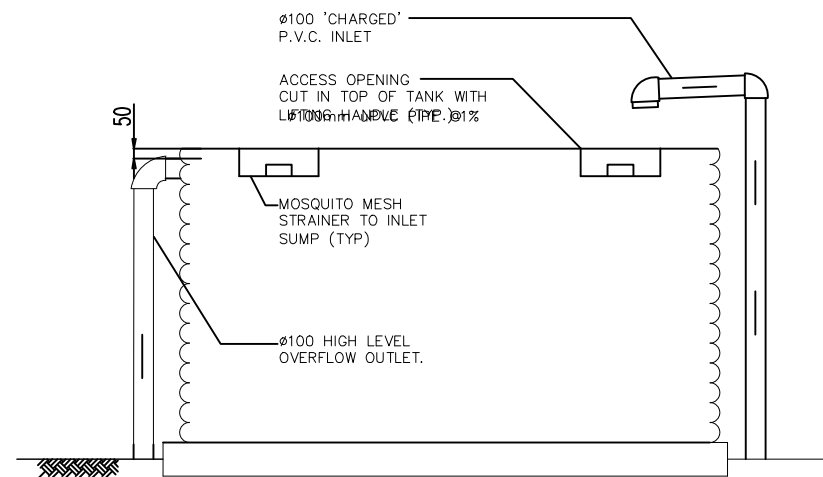
TYPICAL PIT SECTION



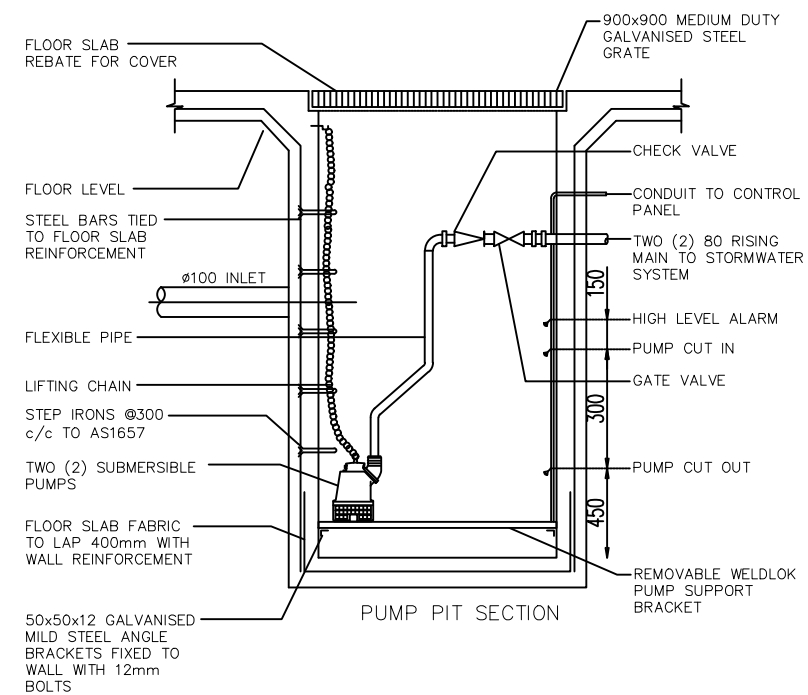
5
-
DETAIL
STORMWATER PIT
AT EASMENT
SCALE 1:20



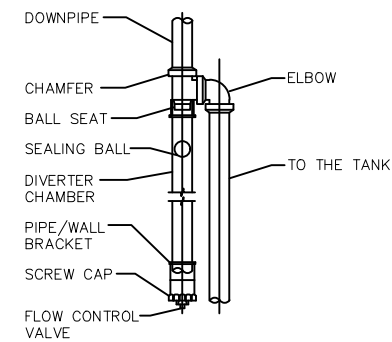
2
-
DETAIL
ORIFICE PLATE
SCALE 1:20



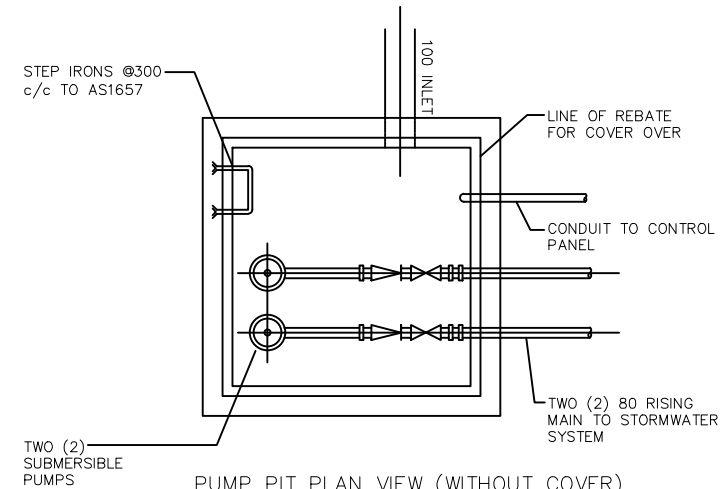
TYPICAL SECTION OF RAINWATER TANK



PUMP PIT SECTION



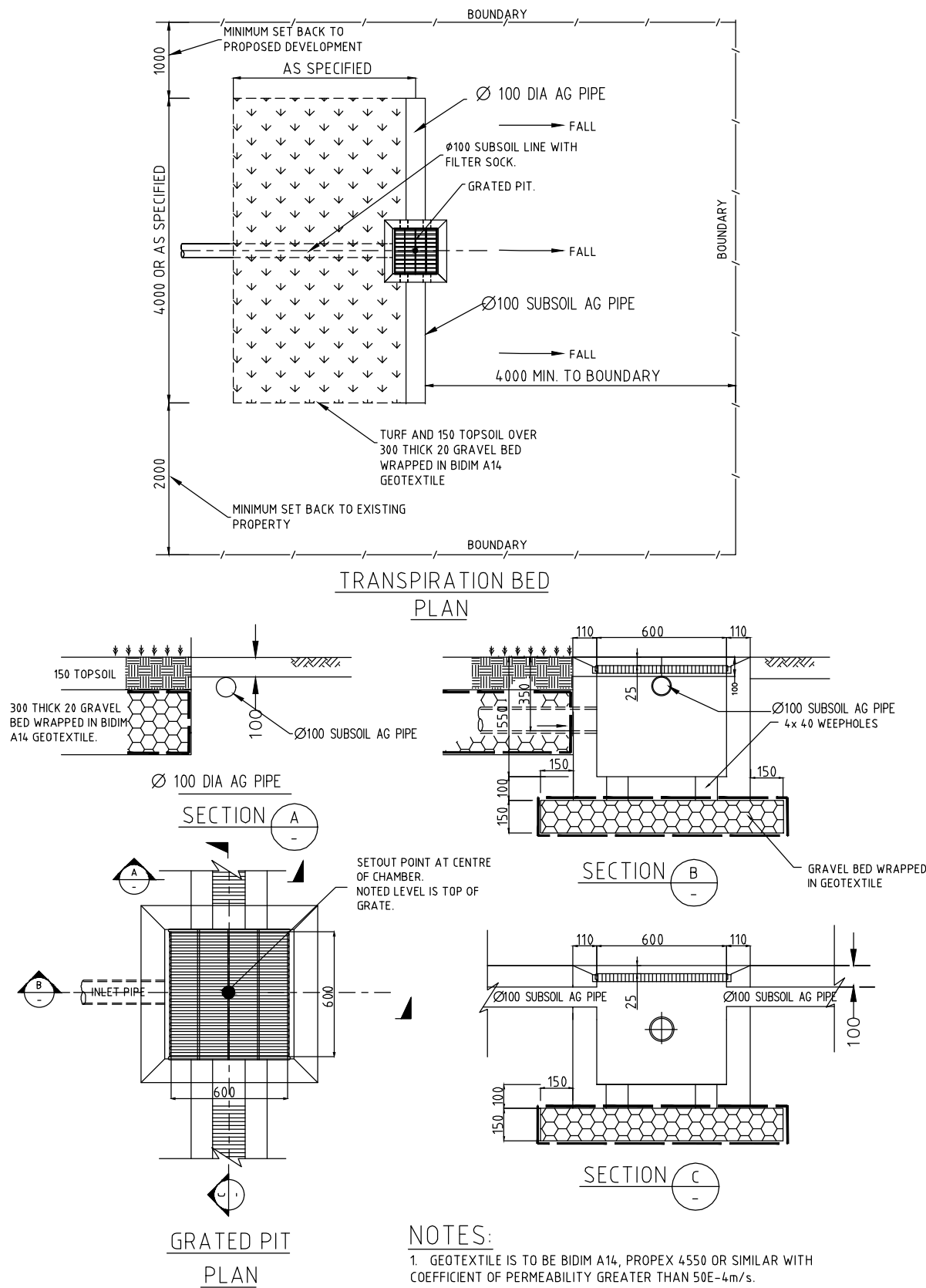
1
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DETAIL
FIRST FLUSH DIVERTER
SCALE 1:20



PUMP PIT PLAN VIEW (WITHOUT COVER)

6
-
DETAIL
SUBSOIL PUMP OUT PIT
NOT TO SCALE

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Revision:	00							OSD & TYPICAL DETAILS	Scale @A3: NTS Drg No. SW05



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Revision:	00	Reg. No. 2214897							Scale @A3: NTS
								Title:	Drg No.
								TRANSPIRATION BED DETAIL	