

PROPOSED BOARDING HOUSE 85-87 ANZAC AVENUE, WEST RYDE STORMWATER CONCEPT DESIGN



LOCALITY PLAN
NOT TO SCALE
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DRAWINGS LIST			
SHEET No.	DWG No.	TITLE	REV
1	SW100	COVER SHEET	A
2	SW200	STORMWATER CONCEPT DESIGN - BASEMENT PLAN	A
3	SW201	STORMWATER CONCEPT DESIGN - GROUND FLOOR PLAN	A
4	SW202	STORMWATER CONCEPT DESIGN - ROOF PLAN	A
5	SW300	STORMWATER CONCEPT DESIGN - DETAILS SHEET	A



PREPARED BY:

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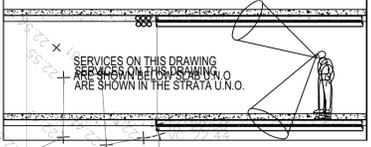
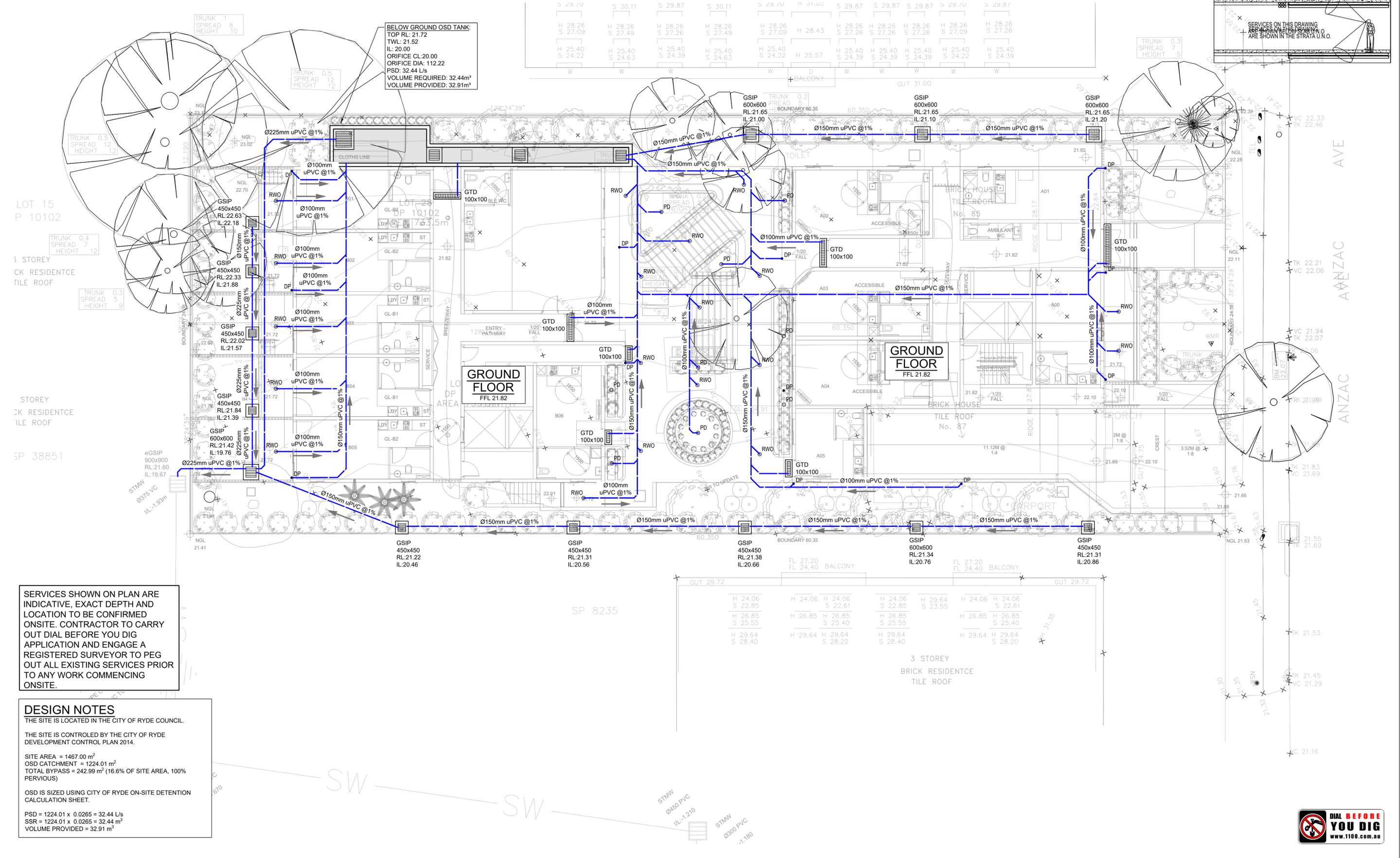
ARCHITECT:



**GHAZI AL ALI
ARCHITECT**

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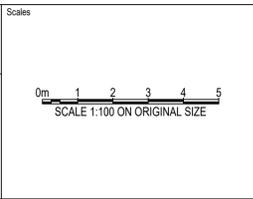
SERVICES SHOWN ON PLAN ARE INDICATIVE, EXACT DEPTH AND LOCATION TO BE CONFIRMED ONSITE. CONTRACTOR TO CARRY OUT DIAL BEFORE YOU DIG APPLICATION AND ENGAGE A REGISTERED SURVEYOR TO PEG OUT ALL EXISTING SERVICES PRIOR TO ANY WORK COMMENCING ONSITE.

DESIGN NOTES
 THE SITE IS LOCATED IN THE CITY OF RYDE COUNCIL.
 THE SITE IS CONTROLLED BY THE CITY OF RYDE DEVELOPMENT CONTROL PLAN 2014.
 SITE AREA = 1467.00 m²
 OSD CATCHMENT = 1224.01 m²
 TOTAL BYPASS = 242.99 m² (16.6% OF SITE AREA, 100% PERVIOUS)
 OSD IS SIZED USING CITY OF RYDE ON-SITE DETENTION CALCULATION SHEET.
 PSD = 1224.01 x 0.0265 = 32.44 L/s
 SSR = 1224.01 x 0.0265 = 32.44 m³
 VOLUME PROVIDED = 32.91 m³

Reference Coordination Drawing	
Discipline	Drawing Title and Number
ARCH	
ARCH	
STRUCT	
MECH	
ELEC	
HYD	
FIRE	
LANDS	
CIVIL	
SURVEY	

QUALITY CONTROL	
Discipline	Date
DRAWN	22.04.22
CHECKED	22.04.22
DESIGNED	22.04.22
VERIFIED	22.04.22
APPROVED	22.04.22

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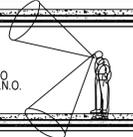
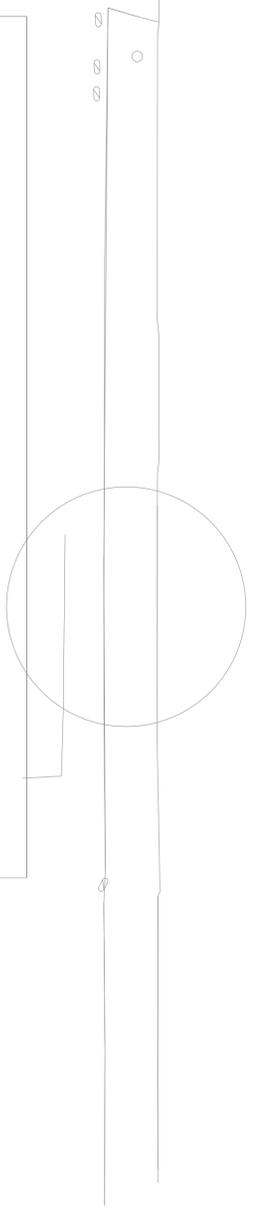
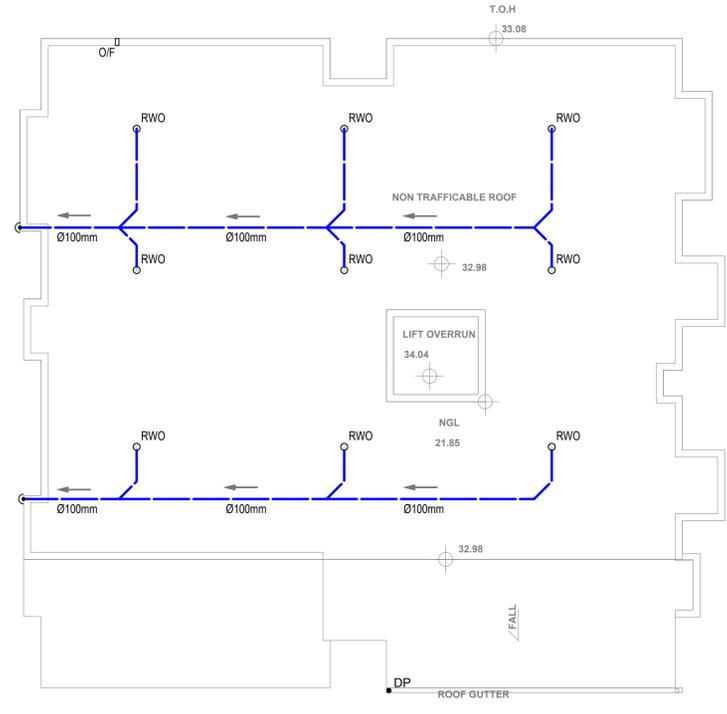
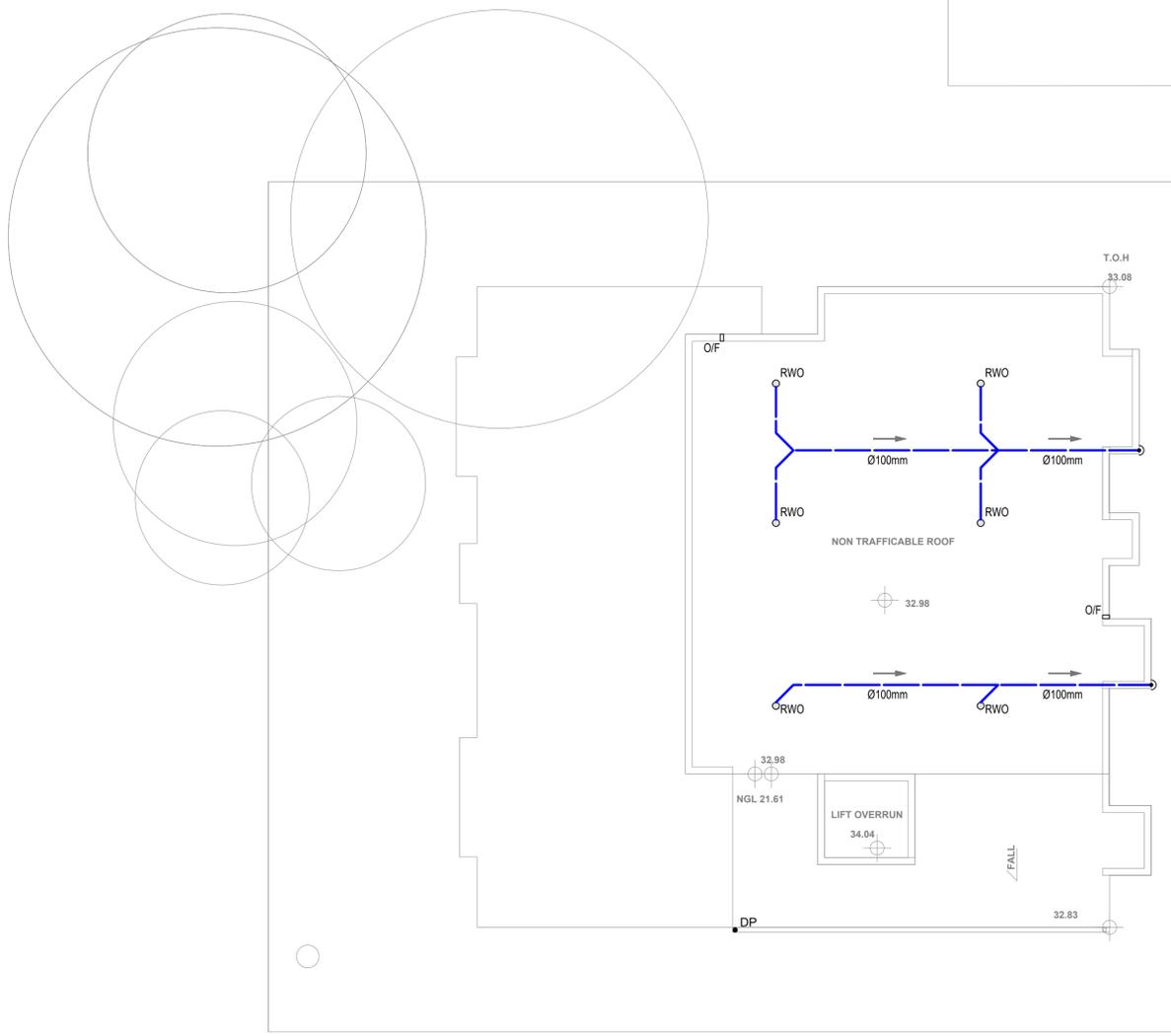
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PROJECT
PROPOSED BOARDING HOUSE
 85-87 ANZAC AVENUE,
 WEST RYDE

Drawing Status	PRELIMINARY NOT TO BE USED FOR CONSTRUCTION PURPOSES
Drawing Title	STORMWATER CONCEPT DESIGN BASEMENT Q2 PLAN
Project No	20220028
Drawing No	SW200
Revision No	A



SERVICES ON THIS DRAWING ARE SHOWN IN THIS DRAWING AND ARE SHOWN IN THE STRATA U.N.O.

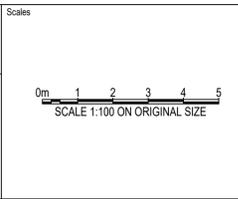
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Reference Coordination Drawing			
Discipline	Drawing Title and Number	Date	Rev.
ARCH			
ARCH			
STRUCT			
MECH			
ELEC			
HYD			
FIRE			
LANDS			
CIVIL			
SURVEY			

ENGINEERS AUSTRALIA
Chartered Professional Engineer
MEMBER

QUALITY CONTROL			
DRAWN	CHECKED	DESIGNED	VERIFIED
PZ	SH	PZ	SH
DATE 22.04.22	DATE 22.04.22	DATE 22.04.22	DATE 22.04.22
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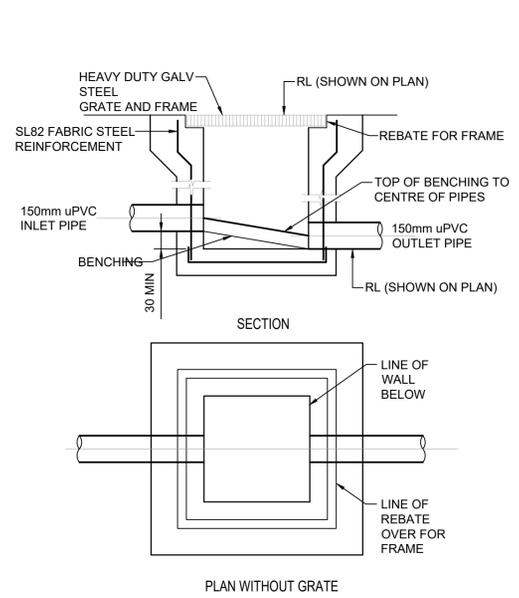
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PROJECT
PROPOSED BOARDING HOUSE
85-87 ANZAC AVENUE,
WEST RYDE

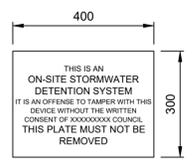
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Drawing Title	STORMWATER CONCEPT DESIGN BASEMENT 02 PLAN
Project No	20220028
Drawing No	SW200
Revision No	A



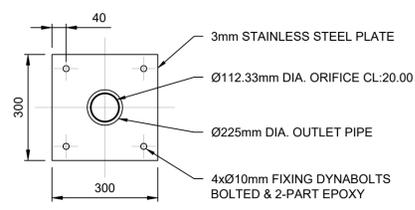
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-	A.H.D.	4 OF 5	1:100 @ A1



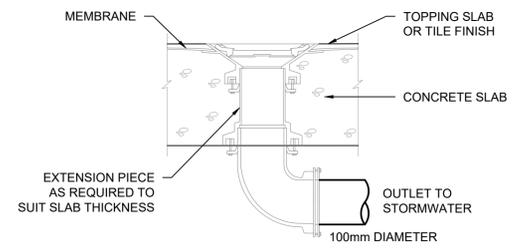
STORMWATER PIT
SCALE 1:20



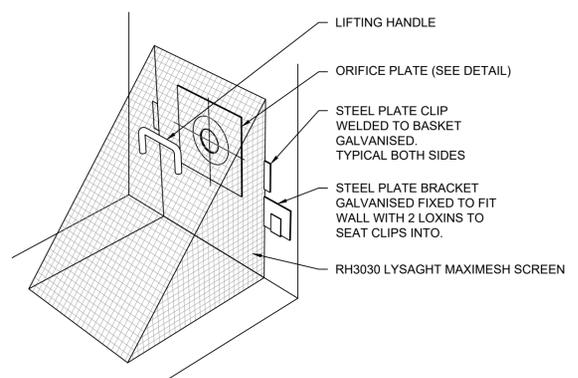
OSD SIGN
SCALE 1: 10



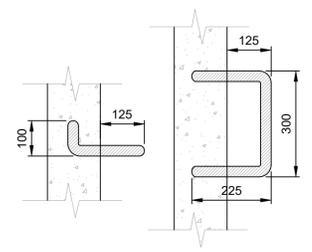
ORIFICE PLATE
SCALE NTS



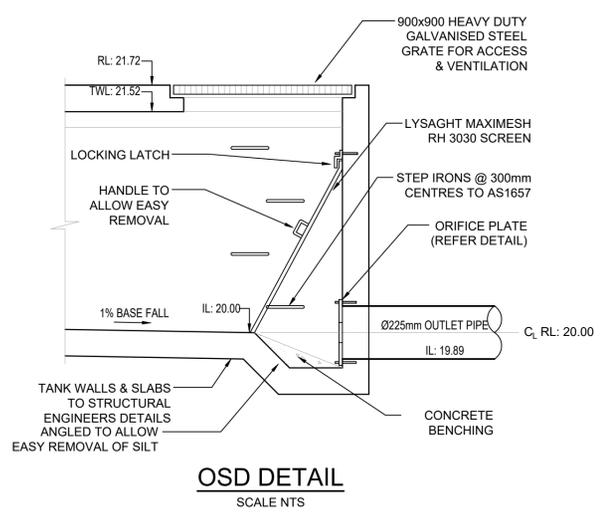
RAINWATER OUTLET
N.T.S.



DEBRIS SCREEN
N.T.S.



STEP IRONS
SCALE 1: 10



OSD DETAIL
SCALE NTS

DRAINAGE NOTES:

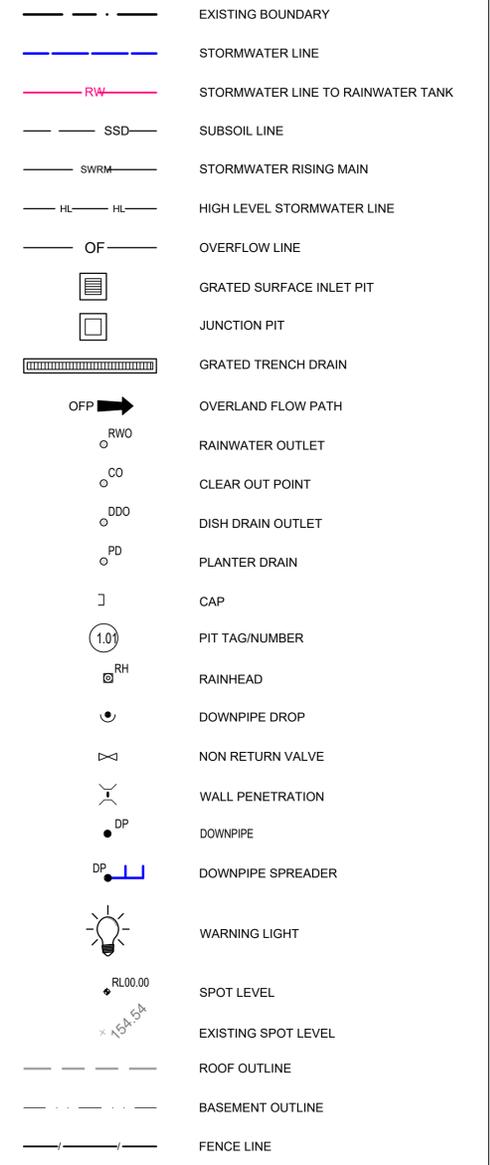
- ALL PIPES TO BE LAID ON 75mm SAND BED WITH THE BARRELS FULLY SUPPORTED
- 100mm AND 150mm DIAMETER PIPES TO BE LAID ON MINIMUM 1% GRADE
- MINIMUM DEPTH OF COVER FOR PIPES NOT SUBJECT TO VEHICULAR LOADING TO BE 300mm
- ALL DRAINAGE PIPES LAID UNDER PAVEMENT SHALL BE REINFORCED CONCRETE WITH RUBBER RING JOINTS
- BACKFILL TRENCHES WITH COMPACTED SAND OR APPROVED AGGREGATE MATERIAL
- 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
- 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
- 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

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.

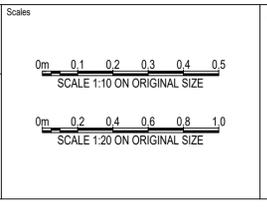
LEGEND



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ARCH			
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MECH			
ELEC			
HYD			
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SURVEY			

Discipline	Checked	Date
DRAWN	PZ	22.04.22
CHECKED	SH	22.04.22
DESIGNED	PZ	22.04.22
VERIFIED	SH	22.04.22
APPROVED	SH	22.04.22

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Drawing No	SW300
Revision No	A

Grid	Datum	Sheet	Scale (at original size)
-	A.H.D.	5 OF 5	AS SHOWN

A.B.N. 21 118 222 530