

HYDRAULIC SERVICES

BORONIA PARK COMMUNITY AND SPORTS FACILITY

PARK ROAD, HUNTERS HILL NSW

DRAWING SCHEDULE

HYDRAULIC SERVICES		
SHEET	TITLE	SCALE
H000	DRAWING SCHEDULE & LEGEND	AS SHOWN
H001	SITE PLAN DRAINAGE SERVICES	1:200
H002	SITE PLAN ALTERNATIVE ROOF WATER OPTION	1:200
H101	LOWER AND UPPER LEVEL FLOOR PLAN DRAINAGE SERVICES	1:100
H102	ROOF PLAN DRAINAGE SERVICES	1:100
SW001	SITE SOIL & WATER MANAGEMENT PLAN	AS SHOWN

LEGEND

	EX. STORMWATER DRAINAGE
	STORMWATER DRAINAGE (SW)
	AGRICULTURAL DRAIN (AG)

SYMBOLS

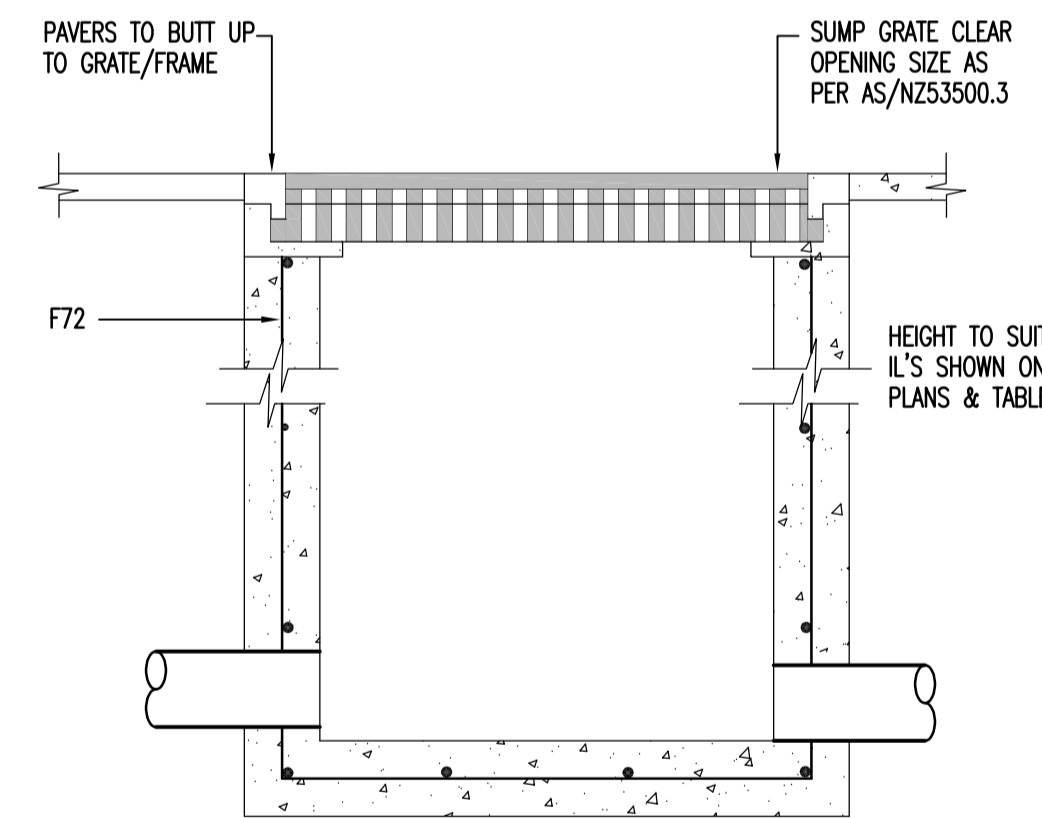
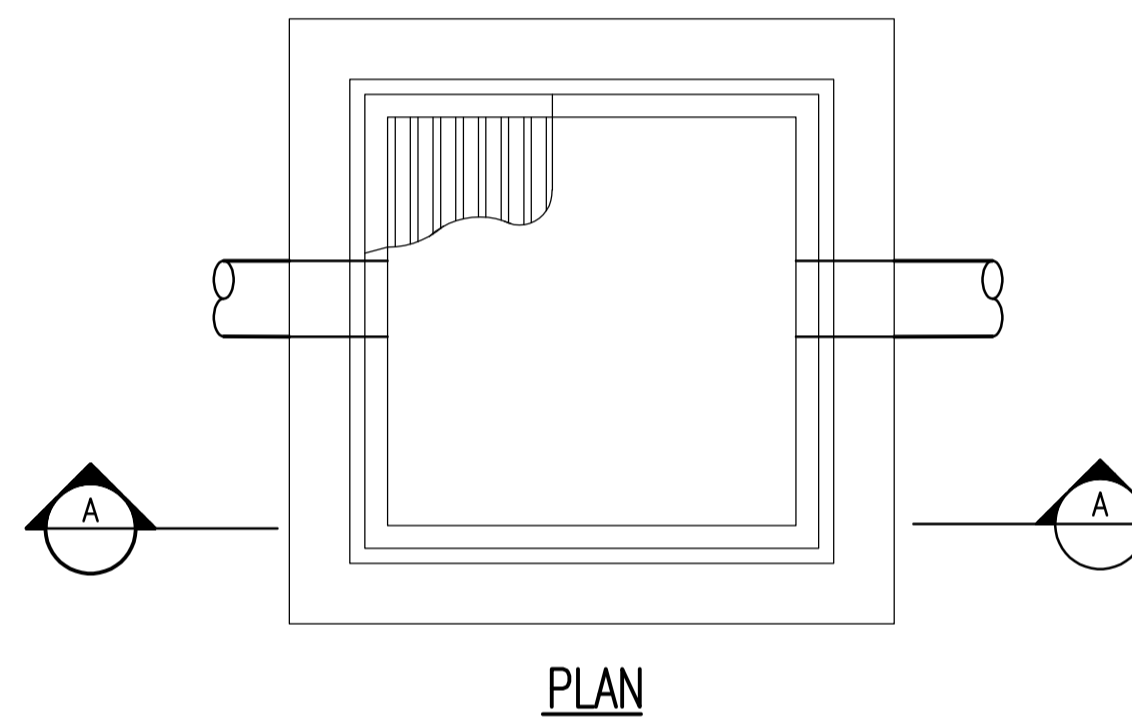
	THROUGH DROPPER / RISER
	BEND DOWN
	TEE UP
	TEE DOWN
	SUMP
	OVERLAND FLOW PATH
	REDUCER
	RISER
	SERVICE NAME
	SIZE
	DROPPER
	FLOW DIRECTION

ABBREVIATIONS

CO	CLEAR OUT
DP	DOWNPIPE
ED	ELEVATED DRAINAGE
EX.	EXISTING
IL	INVERT LEVEL
IO	INSPECTION OPENING
IS	INSPECTION SHAFT
PVC	POLYVINYL CHLORIDE
RL	RELATIVE LEVEL
EJ	EXPANSION JOINT

MINIMUM INTERNAL DIMENSIONS FOR STORMWATER AND INLET PITS

DEPTH TO INVERT OF OUTLET	MINIMUM INTERNAL DIMENSIONS mm		
	RECTANGULAR		CIRCULAR
	WIDTH	DEPTH	DIAMETER
≤600	450	450	600
>600 ≤900	600	600	900
>900 <1200	600	900	1000
>1200	900	900	1000



STORMWATER SUMP DETAIL
N.T.S.

NOTES:

- ALL WORKS TO BE INSTALLED IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENTS, AS3500 NATIONAL PLUMBING & DRAINAGE CODE.
- THE CONTRACTOR IS TO CONFIRM LOCATION & DEPTH OF EXISTING SERVICES ON SITE PRIOR TO CONSTRUCTION. IF ANY CONFLICT EXISTS NOTIFY BUILDER IMMEDIATELY.
- THE CONTRACTOR IS TO CONFIRM EXISTING & PROPOSED SURFACE LEVELS PRIOR TO INSTALLATION OF PIPEWORK, SUMPS, MANHOLES, PITS, ETC.
- BACKFILLING
BACKFILL SERVICE TRENCHES AS SOON AS POSSIBLE AFTER SERVICE HAS BEEN LAID AND BEDDED. PLACE THE BACKFILL IN LAYERS <150mm THICK AND COMPACT TO THE DENSITY WHICH APPLIES TO THE LOCATION OF THE TRENCHES TO MINIMISE SETTLEMENT.
- BACKFILL MATERIAL
GENERAL FILL WITH NO STONES GREATER THAN 25mm OCCURRING WITHIN 150mm OF THE SERVICE UNDER ROADS AND PAVED AREAS AND WITHIN 4 METRES OF BUILDING: COARSE SAND, CONTROLLED LOW STRENGTH MATERIAL OR FINE CRUSHED ROCK.
- ON COMPLETION OF PIPE INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION INCLUDING: KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AREAS & ROAD PAVEMENTS.
- CARE SHALL BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. EXCAVATE BY HAND IN THESE AREAS.
- THE PLUMBING CONTRACTOR SHALL OBTAIN ALL AUTHORITY APPROVALS AND PAY ALL FEES.
- INVERT LEVELS SHOWN ARE INDICATIVE ONLY. CONFIRM ALL LEVELS ON SITE BEFORE COMMENCING CONSTRUCTION.

A	ISSUE FOR COUNCIL APPROVAL	24.06.21	G.H.	I.N.F.
ISSUE	REVISION	DATE	CHK	APR

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ELECTRICAL LIGHTING MECHANICAL SECURITY COMMUNICATIONS AUDIO VISUAL PV SOLAR ASP1
BRIBBANE 1 CANNESBERRA 1 DONKA 1 GOLD COAST 1 MELBOURNE 1 NEWCASTLE 1 SUNSHINE COAST 1 SYDNEY

CLIENT

DJRD ARCHITECTS
63 MYRTLE STREET
CHIPPENDALE NSW 2008

PROJECT

BORONIA PARK COMMUNITY AND SPORTS FACILITY
PARK ROAD
HUNTERS HILL NSW 2110

DRAWING

HYDRAULIC SERVICES
DRAWING SCHEDULE & LEGEND

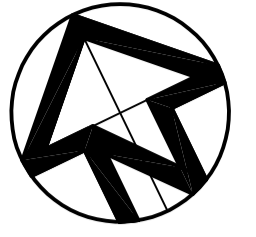
DATE	SCALE	DRN	DES	APR
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P769A	H000	A

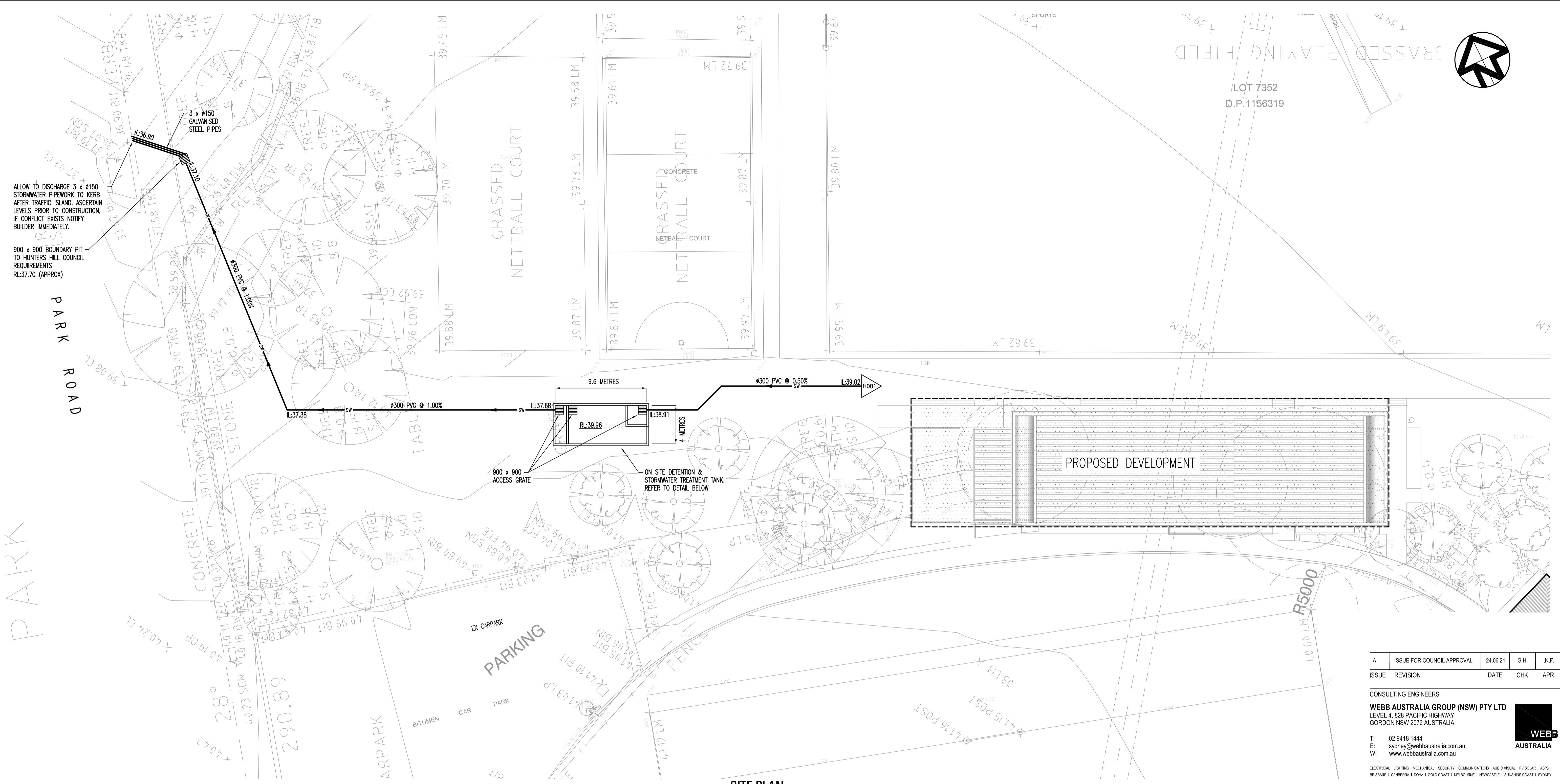
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LOT 7352
D.P. 1156319



SITE PLAN
SCALE 1:200

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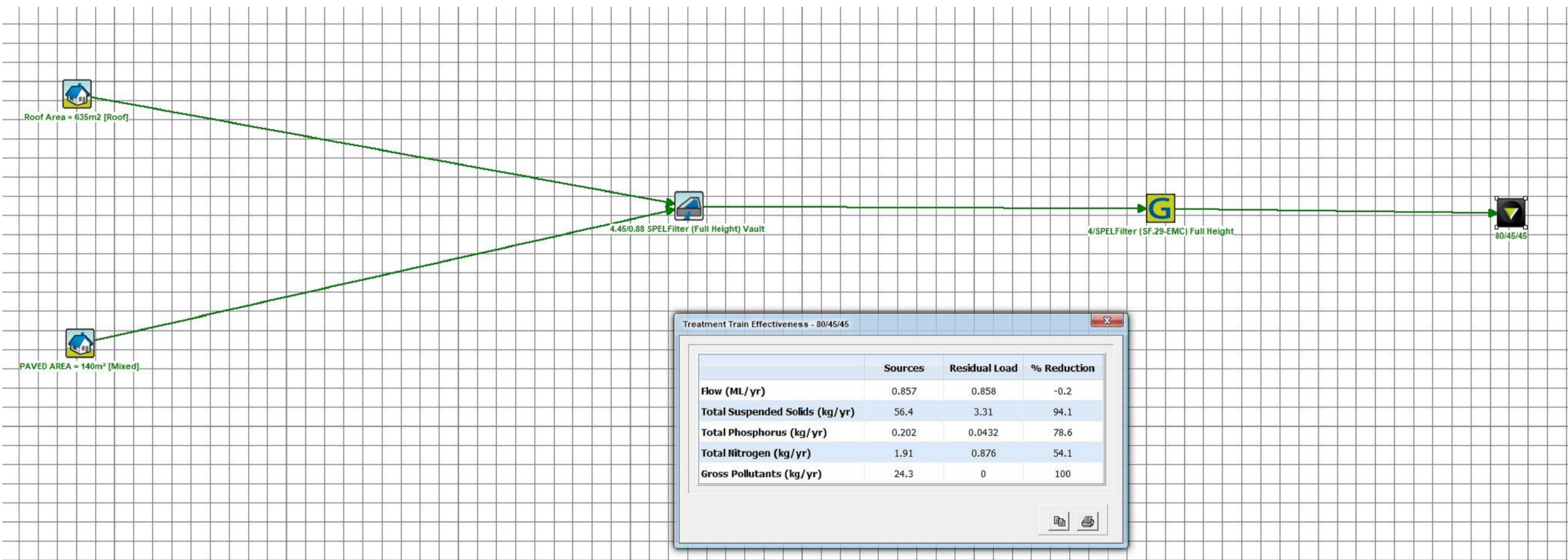
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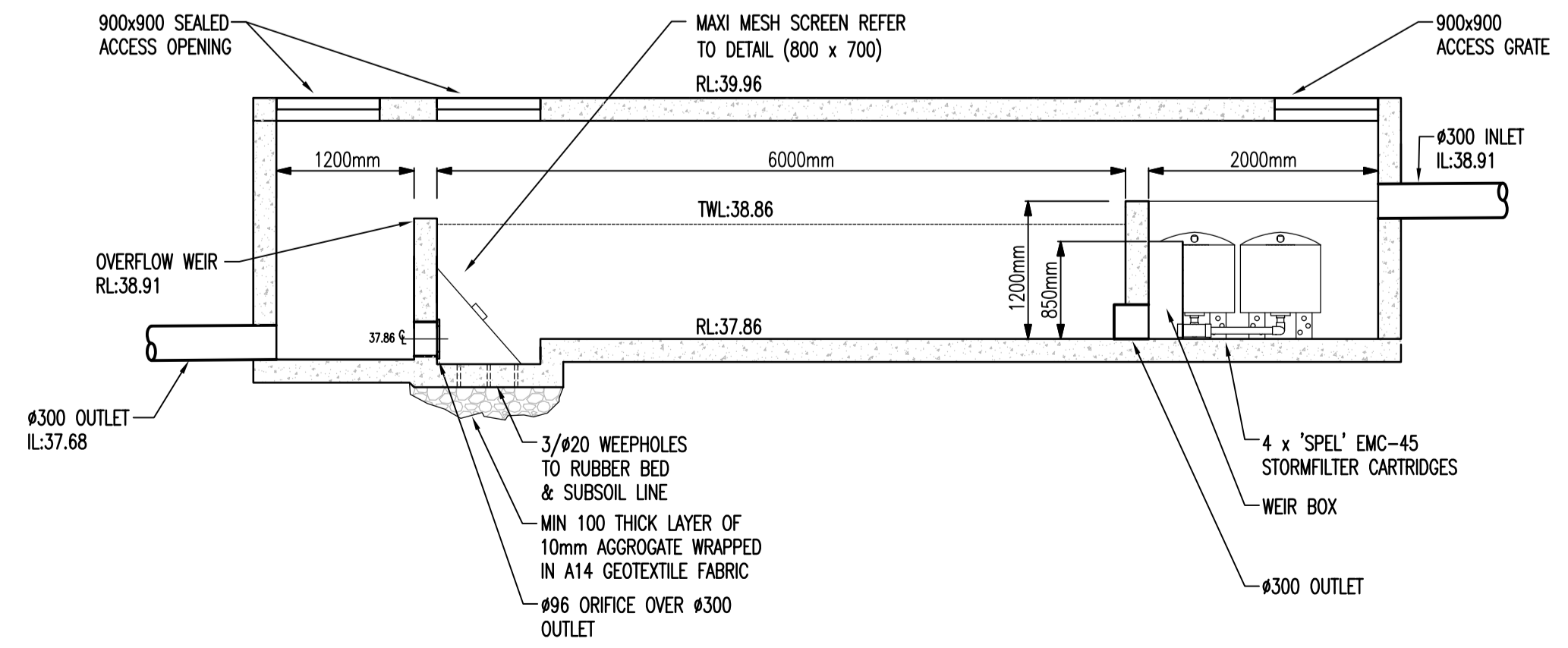
DRAWING
HYDRAULIC SERVICES
SITE PLAN
DRAINAGE SERVICES

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P769A	H001	A		

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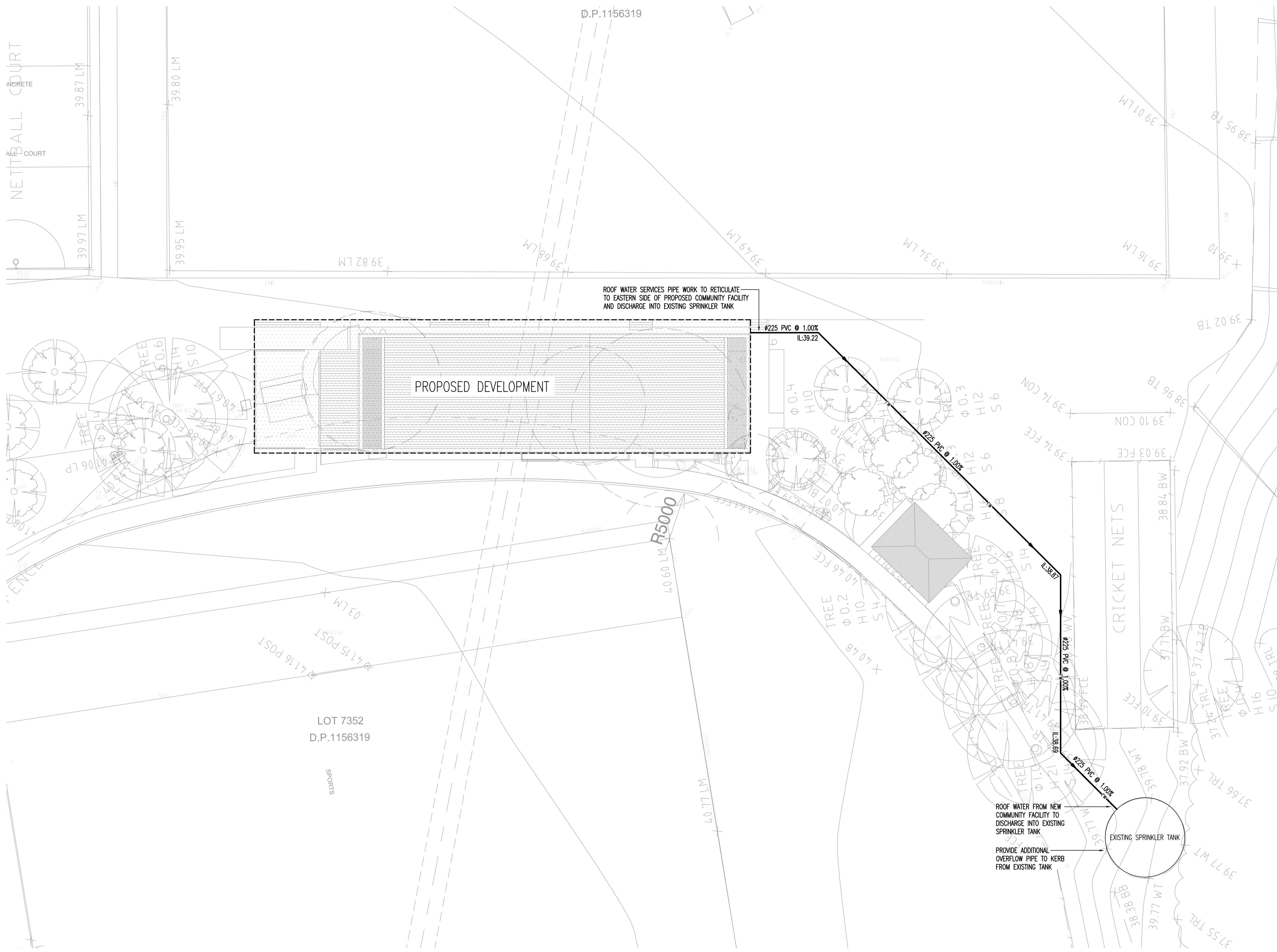
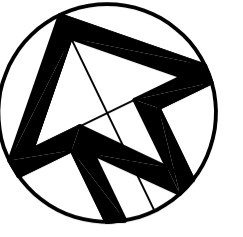


WSUD STORMWATER TREATMENT RESULTS



ON-SITE DETENTION BASIN DETAIL
SCALE 1:50

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SITE PLAN - ALTERNATIVE ROOF WATER OPTION
SCALE 1:200

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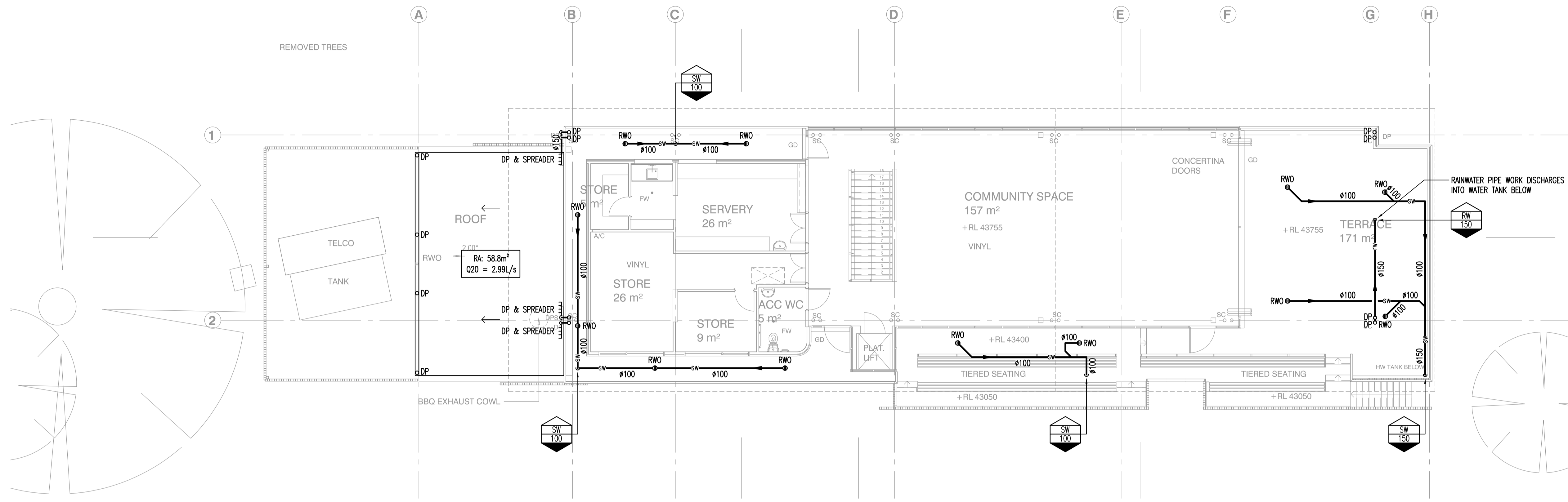
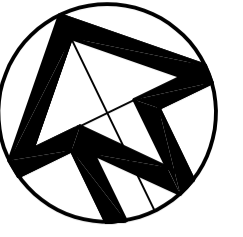
HYDRAULIC SERVICES
SITE PLAN - ALTERNATIVE ROOF WATER OPTION
DRAINAGE SERVICES

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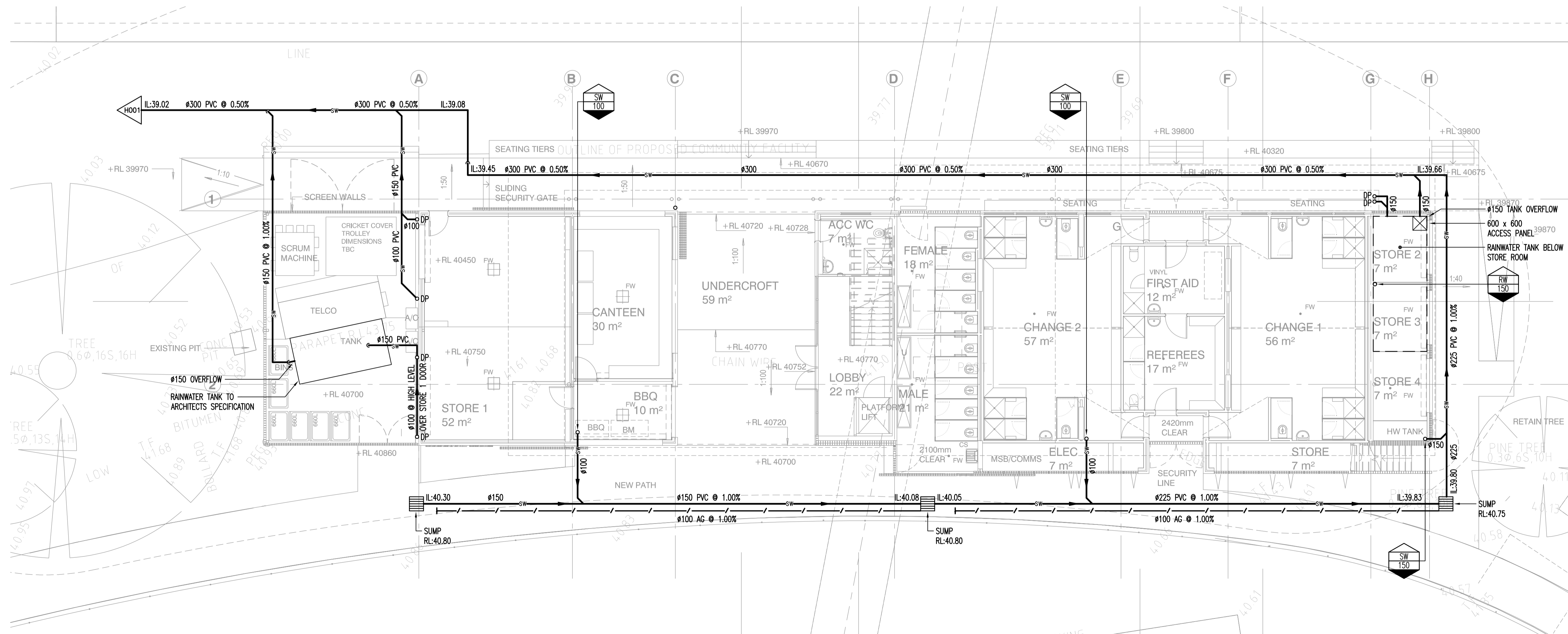
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UPPER LEVEL PLAN DRAINAGE SERVICES
SCALE 1:100



LOWER LEVEL GROUND FLOOR PLAN DRAINAGE SERVICES
SCALE 1:100

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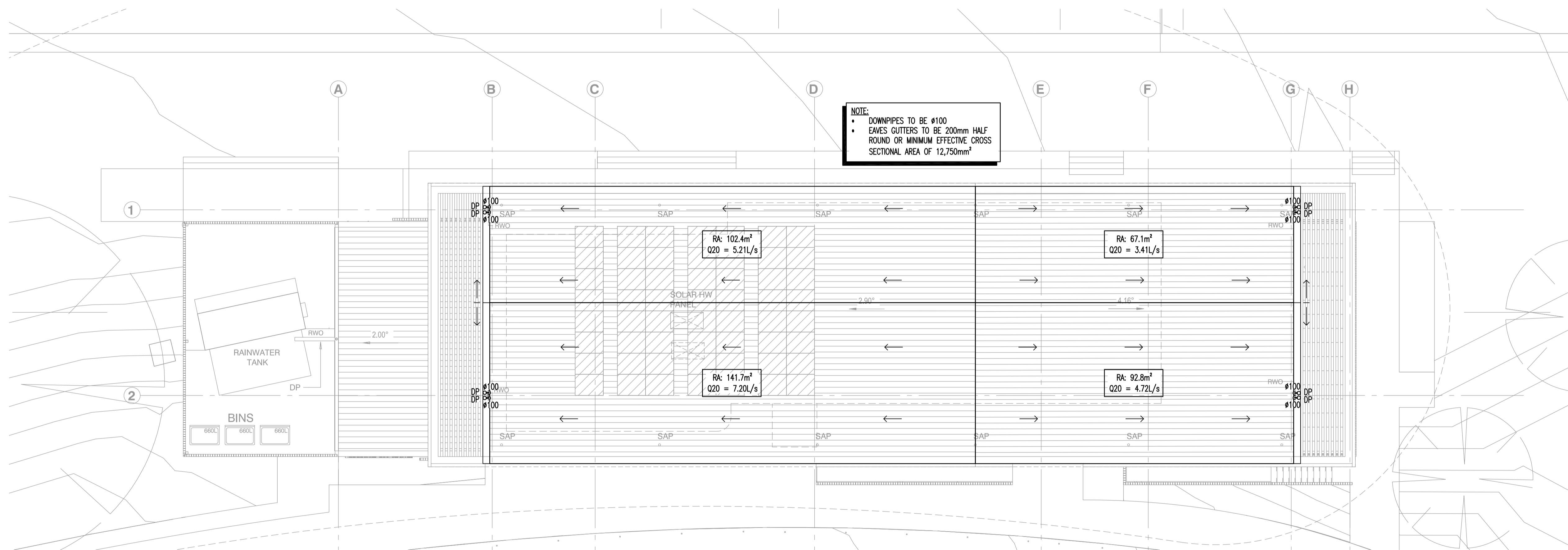
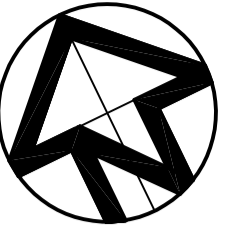
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DRAWING
HYDRAULIC SERVICES
 LOWER AND UPPER LEVEL FLOOR PLAN
 DRAINAGE SERVICES

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NOTE:

- DOWNPIPES TO BE #100
- EAVES GUTTERS TO BE 200mm HALF ROUND OR MINIMUM EFFECTIVE CROSS SECTIONAL AREA OF 12,750mm²

ROOF PLAN DRAINAGE SERVICES

SCALE 1:100

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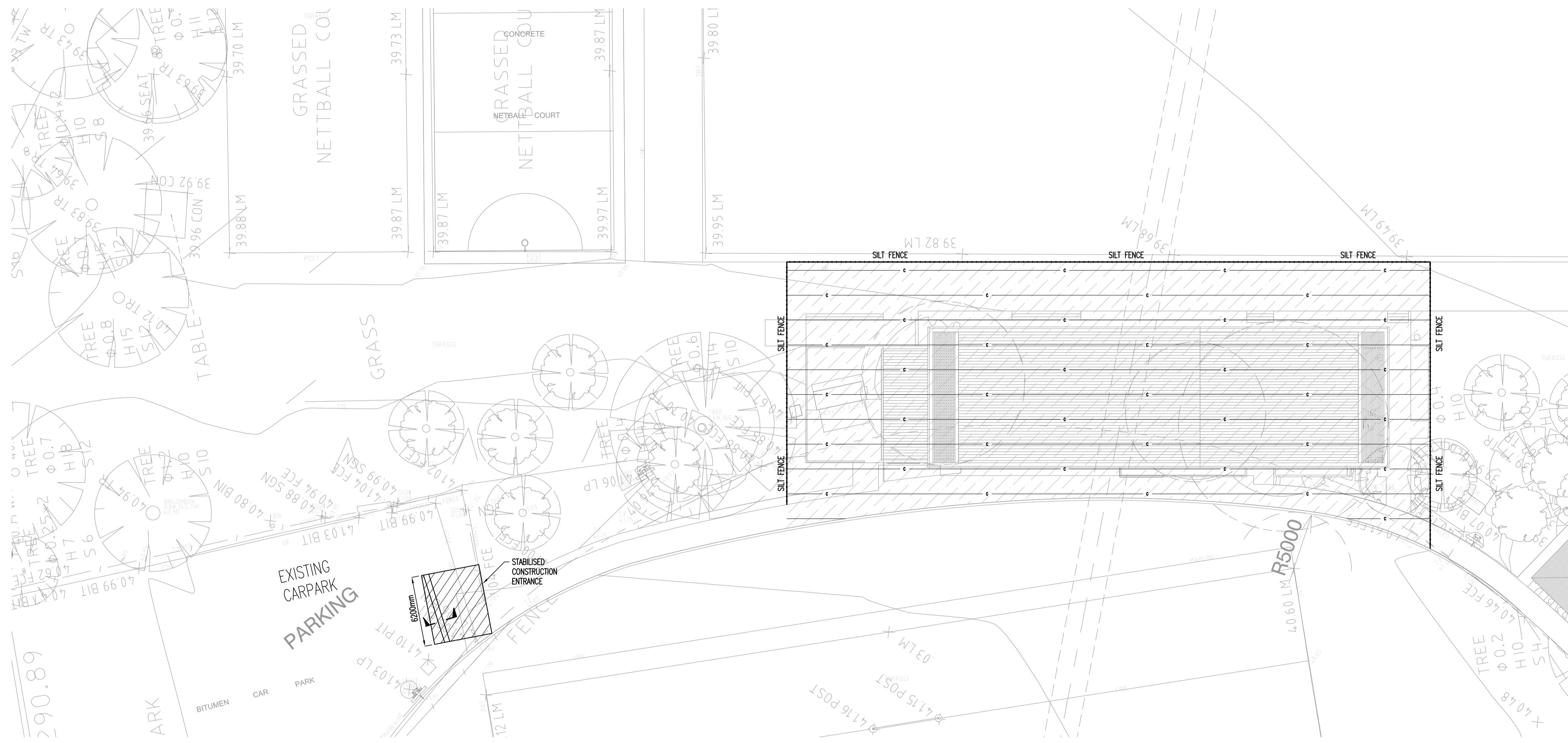
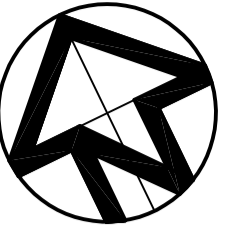
HYDRAULIC SERVICES
ROOF PLAN
DRAINAGE SERVICES

DATE	SCALE	DRN	DES	APR
JUNE '21	1:100 @ A1	N.G.	G.H.	I.N.F.

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SITE SOIL & WATER MANAGEMENT PLAN

SCALE 1:200

LEGEND

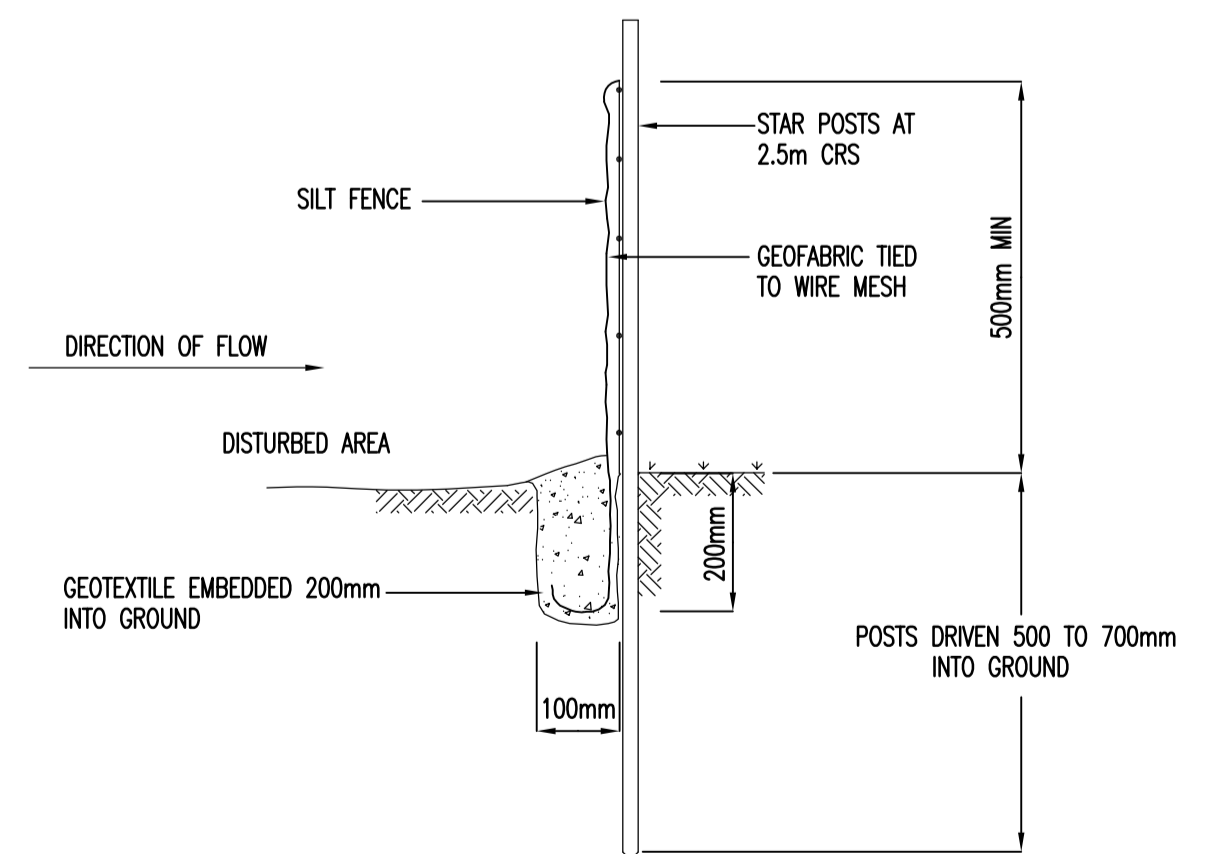
- SILT FENCE
- STABILISED CONSTRUCTION ENTRANCE
- DISTURBED AREA
- CATCHMENT AREA

PROCEDURE FOR SILTATION CONTROL DURING CONSTRUCTION

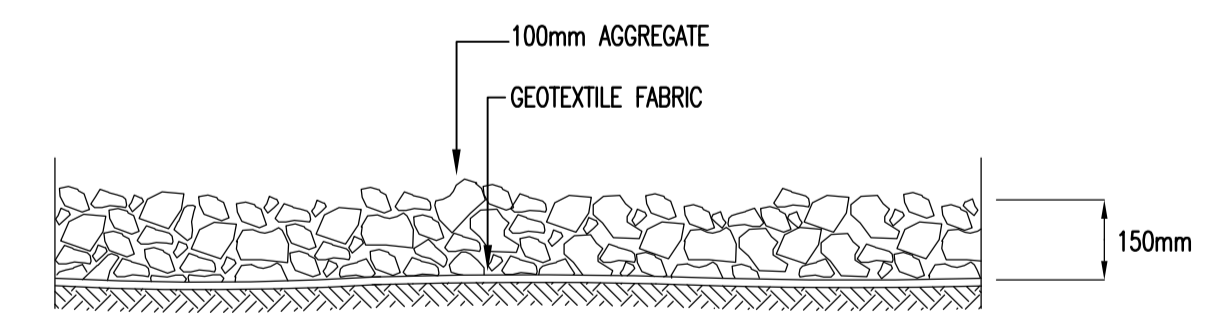
1. CONSTRUCT SILT TRAP FENCE WHERE INDICATED ON PLAN. CONSTRUCT STABILISED CONSTRUCTION ENTRANCES. CONSTRUCT SEDIMENT CATCHMENT BASIN.
2. COMMENCE CONSTRUCTION PROVIDING DRAINAGE FROM TRENCH EXCAVATION TO SEDIMENT CATCHMENT BASIN.
3. SHOULD S.C.B. FILL TO WITHIN 60% OF CAPACITY, REMOVE SILT FROM SITE TO APPROVED DISPOSAL SITE.
4. CARRY OUT DAILY SITE INSPECTION OF SILT FENCES FOR STRUCTURAL DAMAGE.
5. PROVIDE SITE WATERING SHOULD WIND EROSION OCCUR.
6. REMOVE SILT FENCES AFTER LANDSCAPE IS COMPLETED & LAWN IS FULLY ESTABLISHED.

SEDIMENT CONTROL

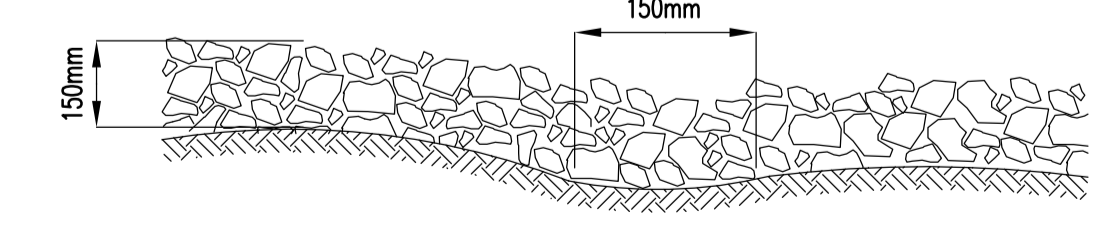
1. ALL PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PREVENT THE TRANSPORTATION OF MATERIAL FROM THE AREA OF THE WORKS BY WINDS, STORMWATERS OR ARTIFICIAL MEANS.
2. THE SITE SHALL BE WATERED IN DRY PERIODS & SHOULD CLEARED AREAS BECOME BARREN, THEY SHALL BE SEEDED & WATERED TO PROMOTE VEGETATION COVER OF GRASS.
3. THE SEDIMENT CONTROL FABRIC OF FENCES INDICATED ON THE DRAWING SHALL BE TAKEN AS A MINIMUM PROTECTION MEASURE ONLY. EXTRA CONTROLS SHALL BE ESTABLISHED TO PROVIDE AN EFFECTIVE PROTECTION.
4. SUPPORT MEASURES SUCH AS HAY BALES SHALL BE USED IN AREAS OF STEEP SLOPES OR WHERE STREAM FLOW MAY OCCUR.



SILT FENCE DETAIL
N.T.S.



STABILISED CONSTRUCTION ENTRANCE
N.T.S.



SECTION A-A
N.T.S.

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SITE SOIL & WATER MANAGEMENT PLAN

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