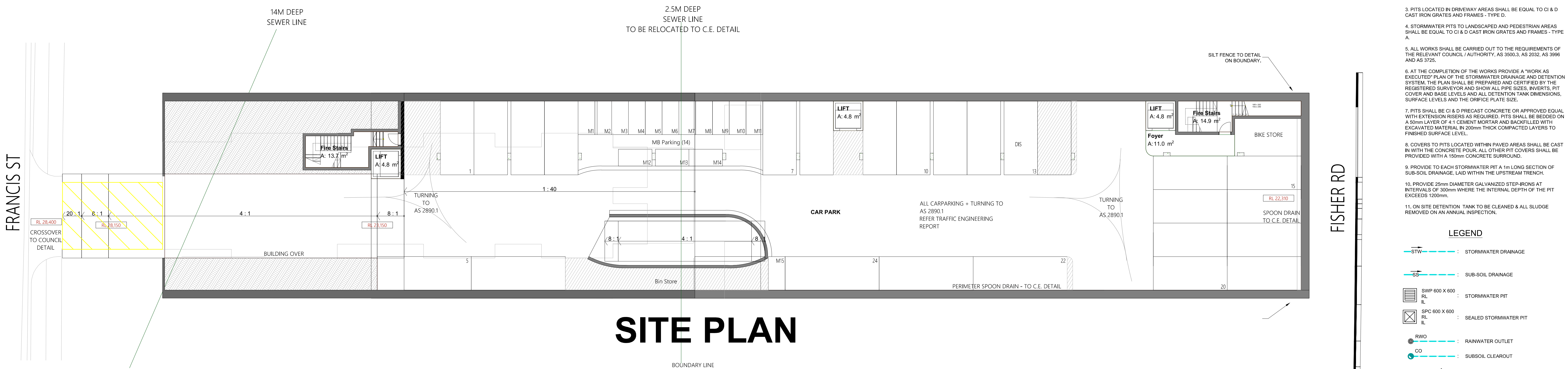


STORMWATER DRAINAGE CONCEPT PROPOSED DEVELOPMENT 28 FISHER ROAD , DEE WHY .



SITE PLAN

FOR REVIEW

IMPORTANT NOTES:

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P-02	27.07.20	DA STORMWATER SUBMISSION	JG



MESH GROUP P/L

10 POPULAR PLACE PICTON, NSW 2571
JIM@MESHGROUP.COM
MOB 0427-368 080

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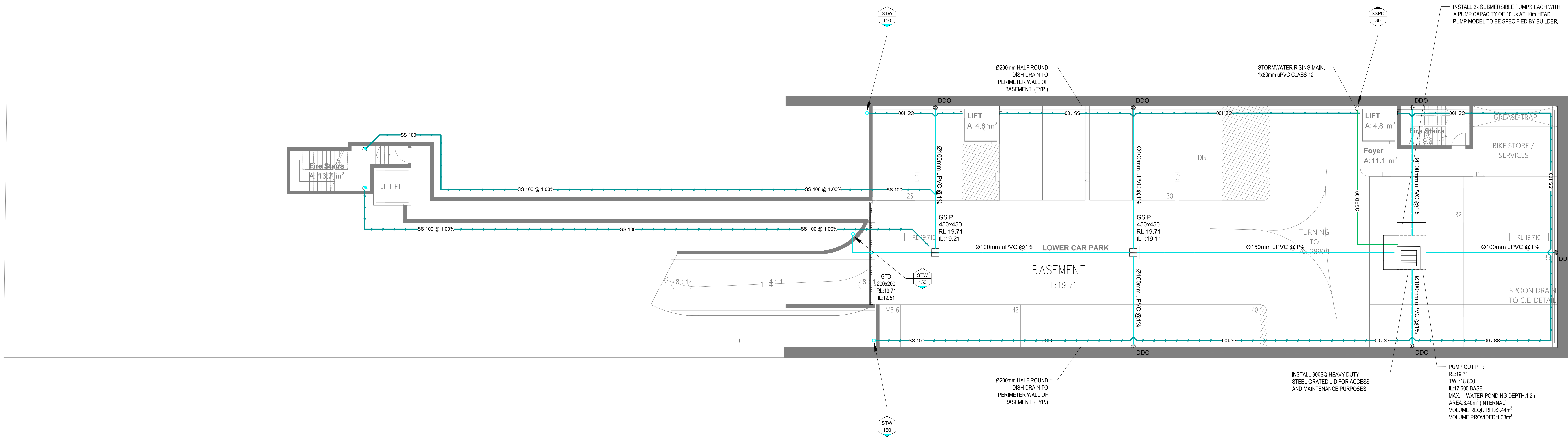
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PROJECT		SCALE	DATE	DRAWN	CHECKED
PROPOSED DEVELOPMENT ACCOMMODATION UNITS 28 FISHER ROAD DEE WHY		1:100 @ B1	June, 2020	JG	
JOB		DRAWING		REVISION	
0000		STW-01		P02	

PUMP OUT DESIGN CALCS:

100yr 2hr ARI STORM = 46.4mm/hr
ARI x Z = 92.8mm
AREA OF DRIVEWAY RAMP UNCOVERED = 37m²
V = A x D = 37 x (92.8 / 1000) = 3.44m³

THEREFORE, A VOLUME OF 4.08m³ SUBSOIL PUMP OUT PIT
WILL BE APPLIED TO CATER FOR THE UNCOVERED RAMP
AREA AS PER NORTHERN BEACHES COUNCIL.



FOR REVIEW

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MESH GROUP P/L

10 POPULAR PLACE PICTON, NSW 2571
JIM@MESH-GROUP.COM
MOB 0427 366 090

ARCHITECT



the george GROUP

THE GEORGE GROUP PTY LTD
LEVEL 1, 335 MONAVALLE ROAD
TERREY HILLS NSW, 2084

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BAPTIST CHURCH
28 FISHER ROAD

PROJECT

PROPOSED DEVELOPMENT
ACCOMMODATION UNITS
28 FISHER ROAD DEE WHY

SCALE

1:100 @ B1

JOB

0000

DATE

June, 2020

DRAWING

STW-01

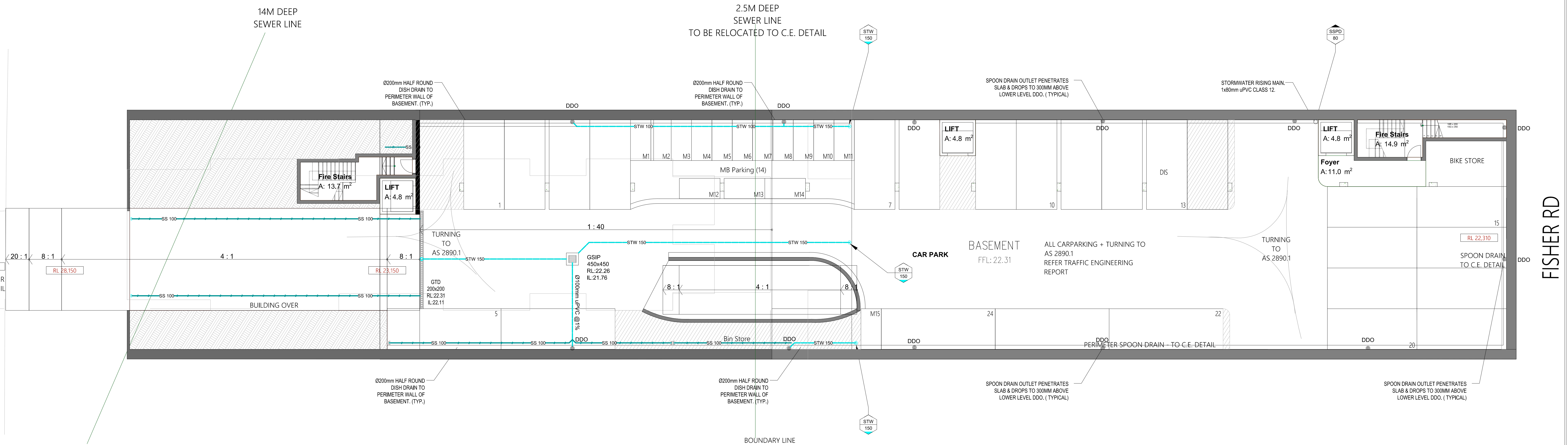
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REVISION

P02

DRAWING TITLE

STORMWATER DRAINAGE PLAN
BASEMENT CARPARKING LOWER LEVEL



FOR REVIEW

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10 POPULAR PLACE PICTON, NSW 2571

JAN@MESHGROUP.COM

MOB 0427-366 080

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LEVEL 1, 335 MONAVALLE ROAD

TERREY HILLS NSW, 2084

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DRAWING TITLE

STORMWATER DRAINAGE PLAN

BASEMENT CARPARKING UPPER LEVEL

PROJECT

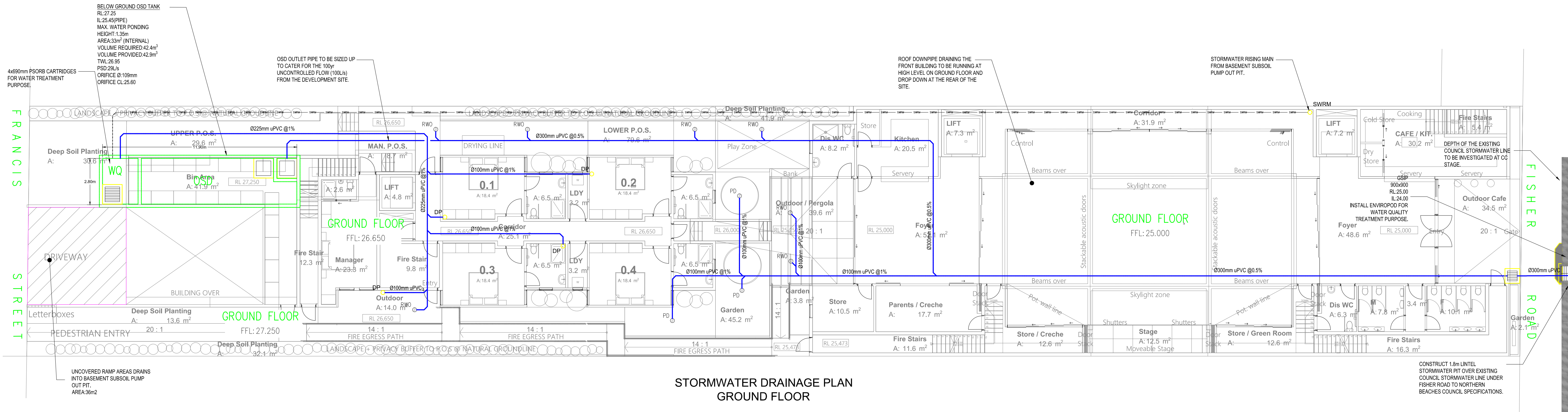
PROPOSED DEVELOPMENT

ACCOMMODATION UNITS

28 FISHER ROAD DEE WHY

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JOB	DRAWING	REVISION
0000	STW-02	P02



STORMWATER DRAINAGE PLAN
GROUND FLOOR

DRAINS-OSD										OSD VOL. (m³)
TOTAL SITE AREA (m²)	PRE-DEV. IMPERVIOUS (%)	POST-DEV. IMPERVIOUS (%)	STORM (YR)	PRE-DEV. FLOW (m³/s)	POST-DEV. FLOW (m³/s)	PIPE OUTFLOW (m³/s)	WEIR OUTFLOW (m³/s)	BYPASS FLOW (m³/s)	TOTAL PSD (m³/s)	
1399	0	100	5	0.048	0.063	0.021	0	0.012	0.033	4.40
			20	0.066	0.082	0.025	0	0.015	0.040	
			100	0.081	0.100	0.029	0	0.019	0.048	

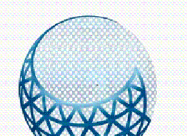
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MESH GROUP P/L
10 ROHLAR PLACE PICTON, NSW 2571
JIM@MESHGROUP.COM
MOB 0427 368 090

ARCHITECT



THE GEORGE GROUP PTY LTD
LEVEL 1, 335 MONA VALE ROAD
TERREY HILLS NSW, 2084

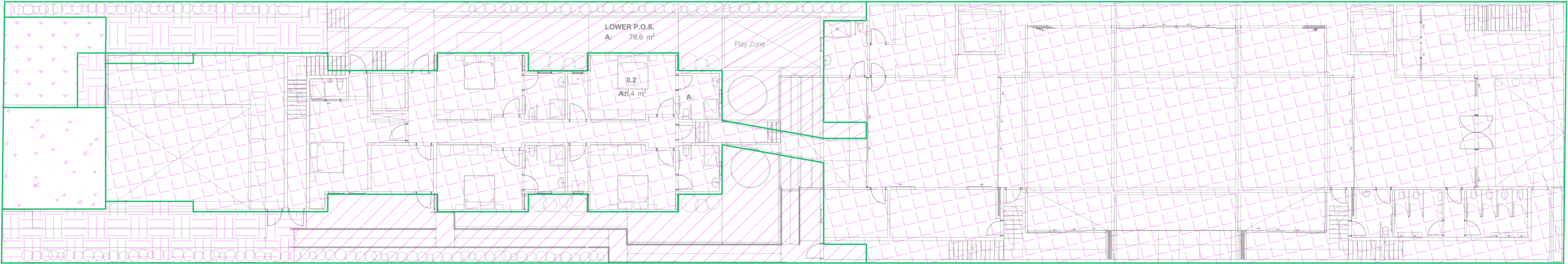
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BAPTIST CHURCH
28 FISHER ROAD

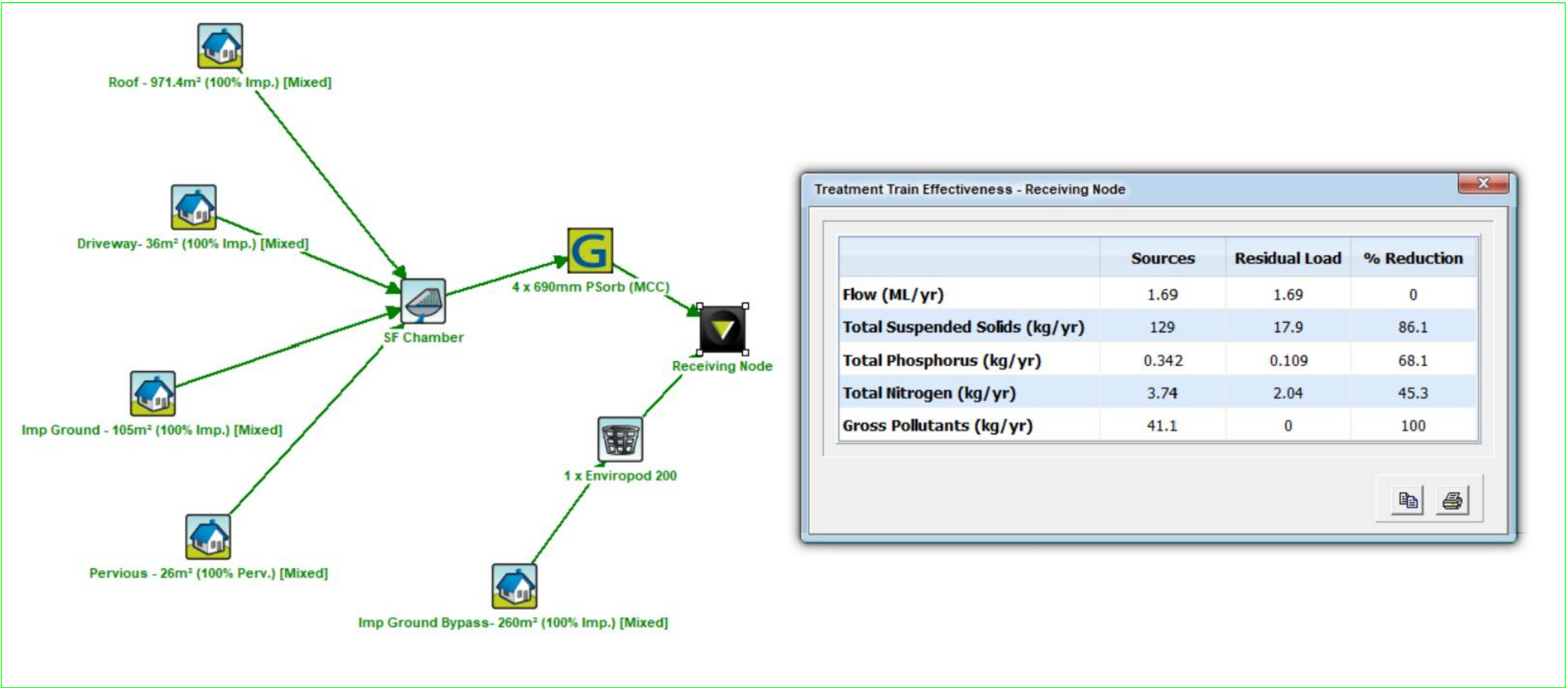
PROJECT
PROPOSED DEVELOPMENT
ACCOMMODATION UNITS
28 FISHER ROAD DEE WHY

DRAWING TITLE
STORMWATER DRAINAGE
SCHEMATIC CONCEPT

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JOB	DRAWING	REVISION	
0000	STW-03	P02	



MUSIC CATCHMENT PLAN

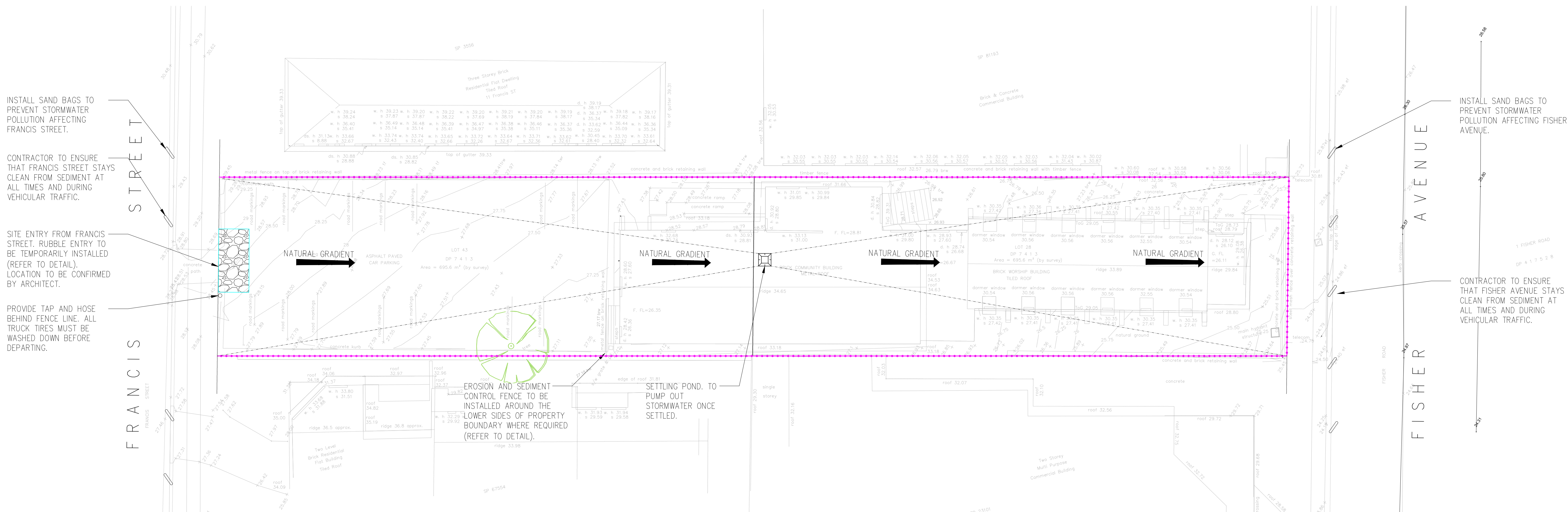


LEGEND.

- ROOF AREAS TO STORMFILTER CHAMBER: 971.40m2
- DRIVEWAT AREAS TO STORMFILTER CHAMBER: 36m2
- PERVIOUS AREAS TO STORMFILTER CHAMBER: 26m2
- IMPERVIOUS AREAS TO STORMFILTER CHAMBER: 105m2
- IMPERVIOUS AREAS BYPASS STORMFILTER CHAMBERS BUT TO ENVIROPOD: 260m2

MUSIC MODEL OUTPUTS

FOR REVIEW



SEDIMENT AND EROSION CONTROL PLAN

EROSION & SEDIMENTATION CONTROL NOTES

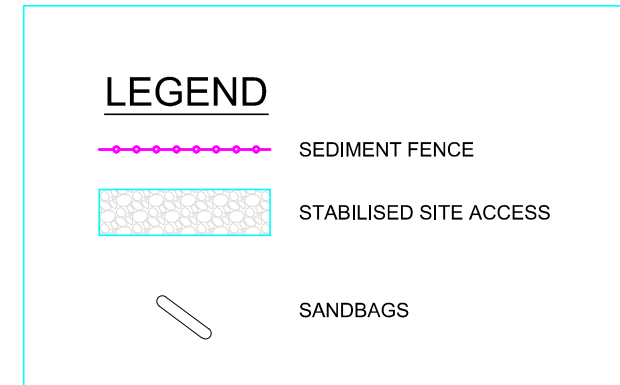
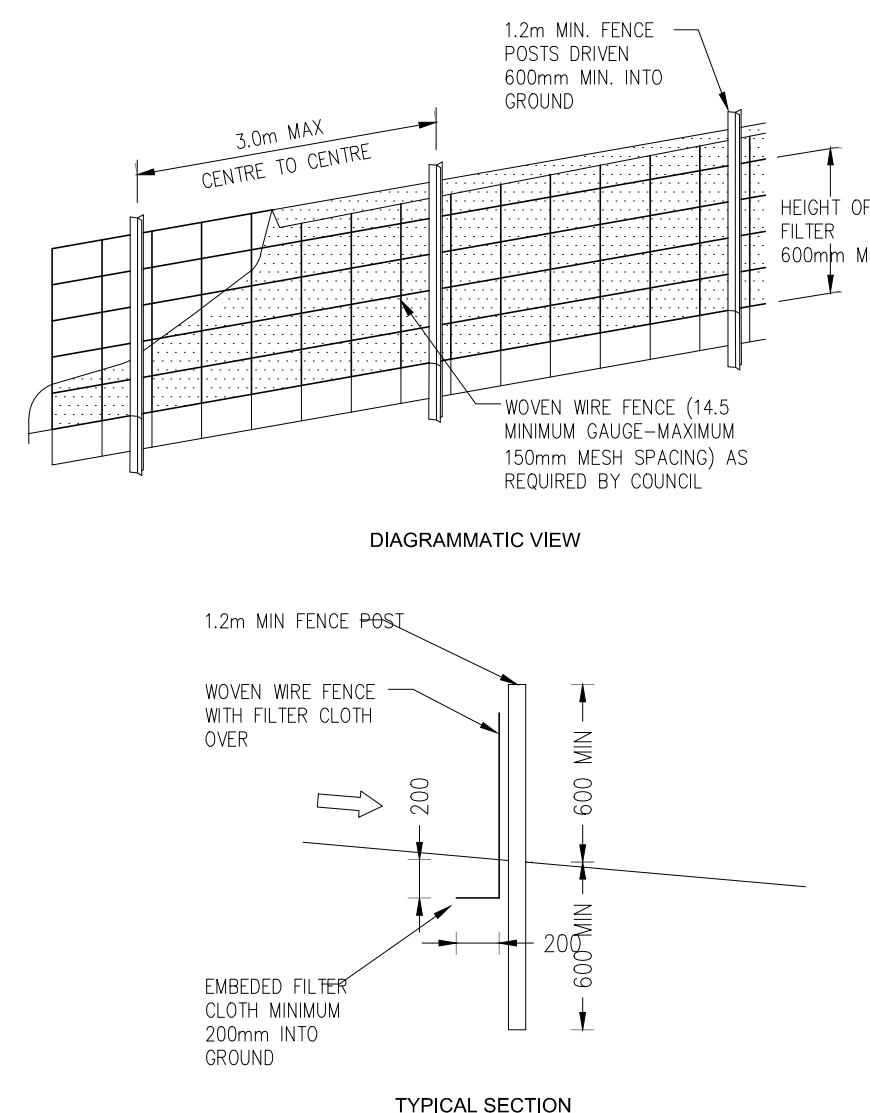
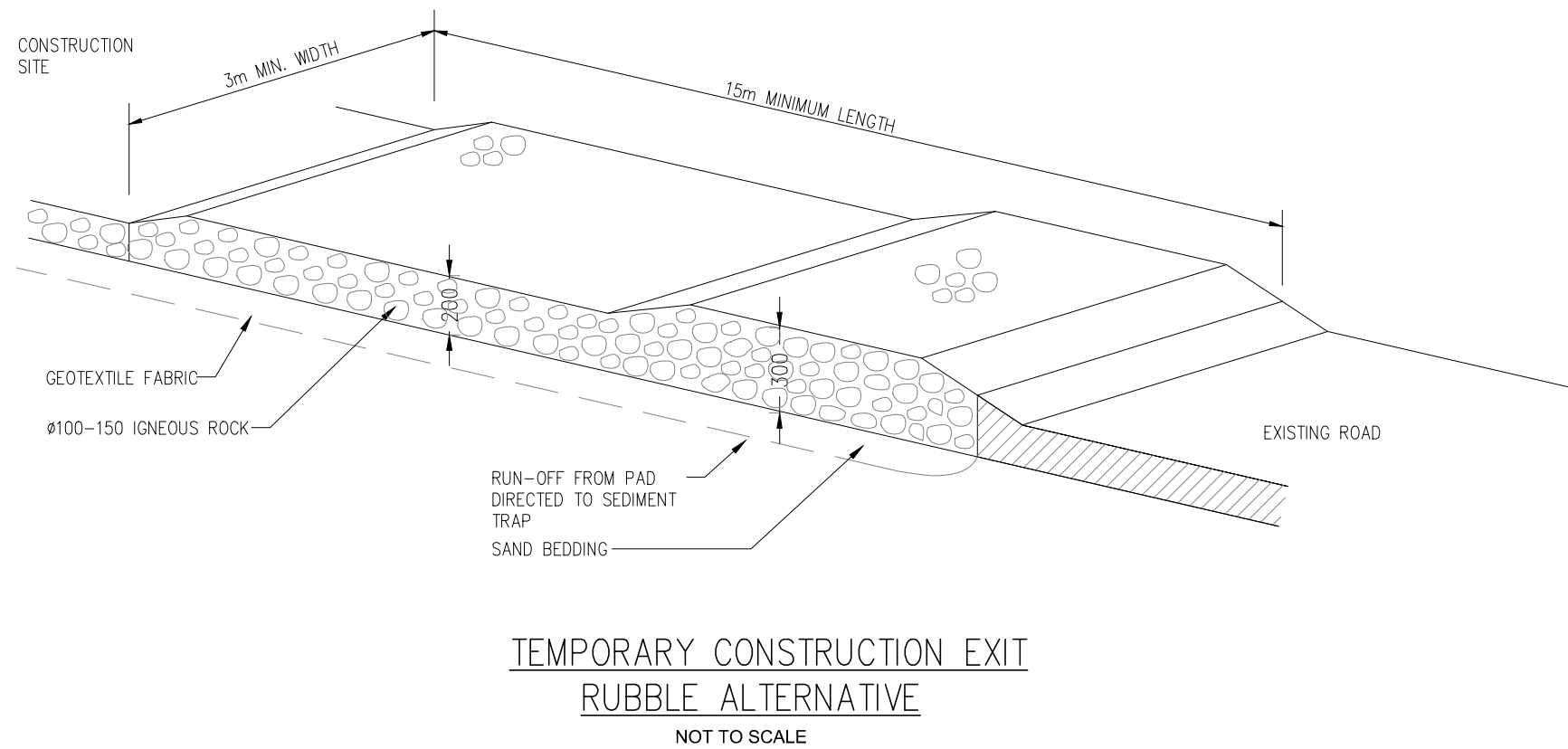
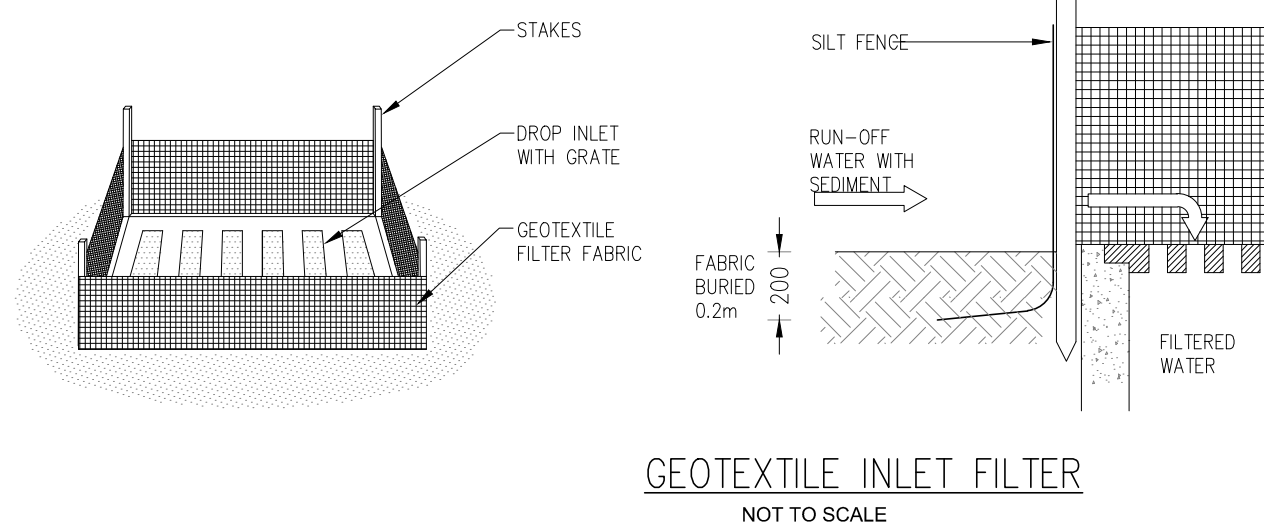
- CONTRACTOR SHALL PROVIDE SEDIMENT FENCING MATERIAL DURING CONSTRUCTION TO THE LOW SIDE OF THE WORKS. THE SEDIMENT FENCING MATERIAL TO CYCLONE WIRE SECURITY FENCE. SEDIMENT CONTROL FABRIC SHALL BE AN APPROVED MATERIAL (E.G. HUES PROPEX SLT STOP) STANDING 300mm ABOVE GROUND & EXTENDING 150mm BELOW GROUND.
- 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.

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 BUILDERS 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.

CLAY SOILS

- A SYSTEM SHALL BE INSTALLED TO EITHER:
- TRANSPORT STORMWATER RUNOFF WITH SUSPENDED SOLIDS FROM SITE VIA PUMP TRUCKS.
 - 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.



SEDIMENT AND EROSION CONTROL NOTES

FOR REVIEW

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MESH GROUP P/L

10 POPULAR PLACE PICTON, NSW 2571
JIMMIESH GROUP CO-OP
MOB 0467 366 080

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the george GROUP

THE GEORGE GROUP PTY LTD
LEVEL 1, 335 MONVALE ROAD
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	1:100 @ A1	June, 2020	JG	
	JOB	DRAWING	REVISION	
	0000	STW-05	P02	

DRAWING TITLE

STORMWATER DRAINAGE
SEDIMENT AND EROSION CONTROL PLAN

FRANCIS STREET

FISHER ROAD

CATCHMENT LEGEND

- AREAS DRAINING TO
OSD SYSTEM. (1139m2)
- AREAS BYPASS OSD
SYSTEM. (260m2 - 18.5% OF
TOTAL SITE AREAS)

ODS CATCHMENT PLAN
28 FISHER ROAD DEE WHY

FOR REVIEW

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JIM@MESHGROUP.COM
MOB 0427-366 080

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BAPTIST CHURCH
28 FISHER ROAD

DRAWING TITLE

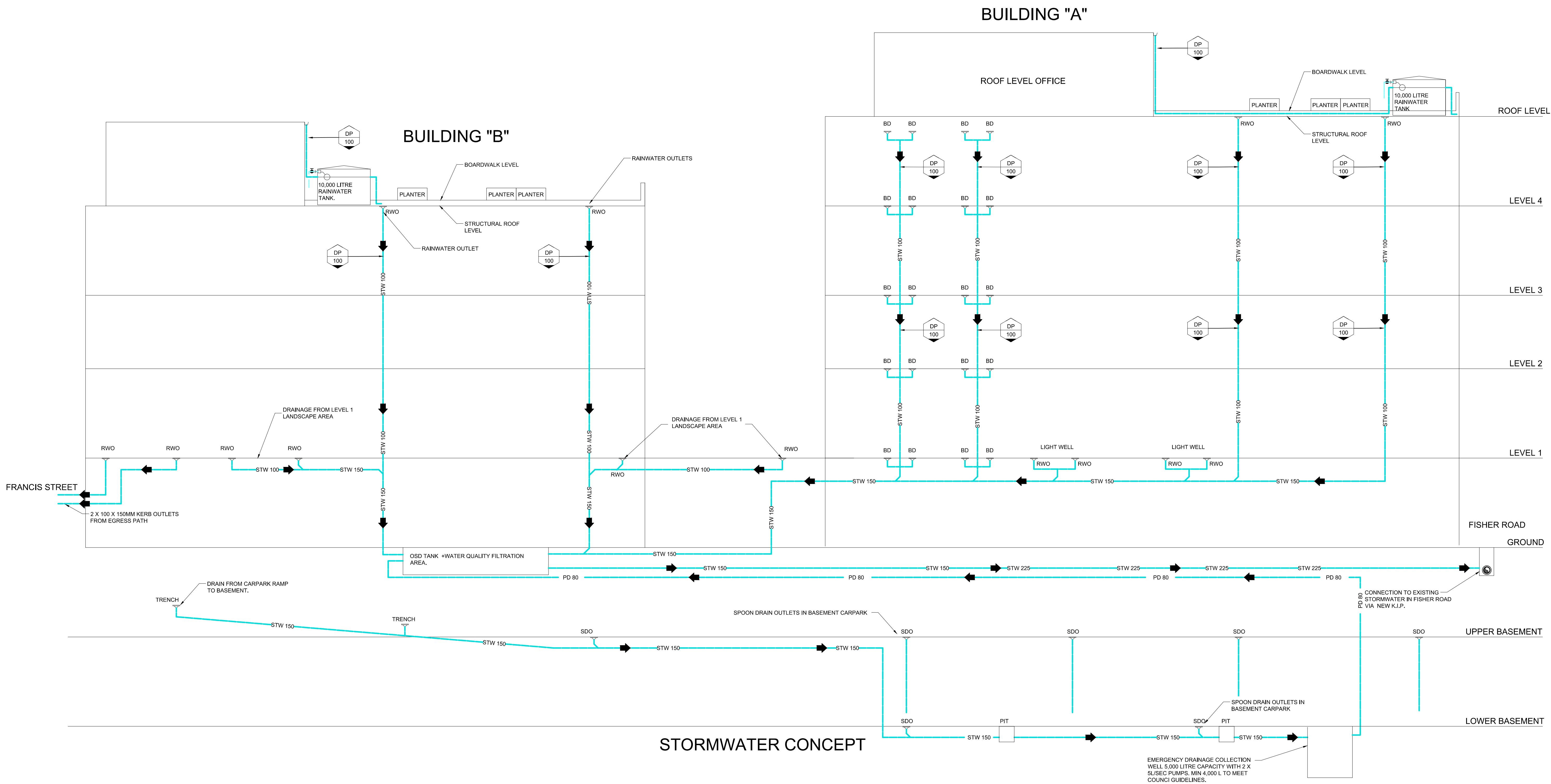
STORMWATER DRAINAGE
SCHEMATIC OSD CATCHMENT PLAN

PROJECT

PROPOSED DEVELOPMENT
ACCOMMODATION UNITS
28 FISHER ROAD DEE WHY

SCALE	DATE	DRAWN	CHECKED
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MESH GROUP P/L

10 POPULAR PLACE PICTON, NSW 2571
JAN@MESHGROUP.COM
MOB 0427-368 080

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MESH GROUP P/L

10 POPULAR PLACE PICTON, NSW 2571
JAN@MESHGROUP.COM
MOB 0427-368 080

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28 FISHER ROAD

PROJECT

PROPOSED DEVELOPMENT
ACCOMMODATION UNITS
28 FISHER ROAD DEE WHY

DRAWING TITLE

STORMWATER DRAINAGE PLAN
SYSTEM SCHEMATIC PLAN

SCALE	DATE	DRAWN	CHECKED
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