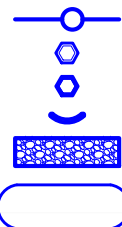


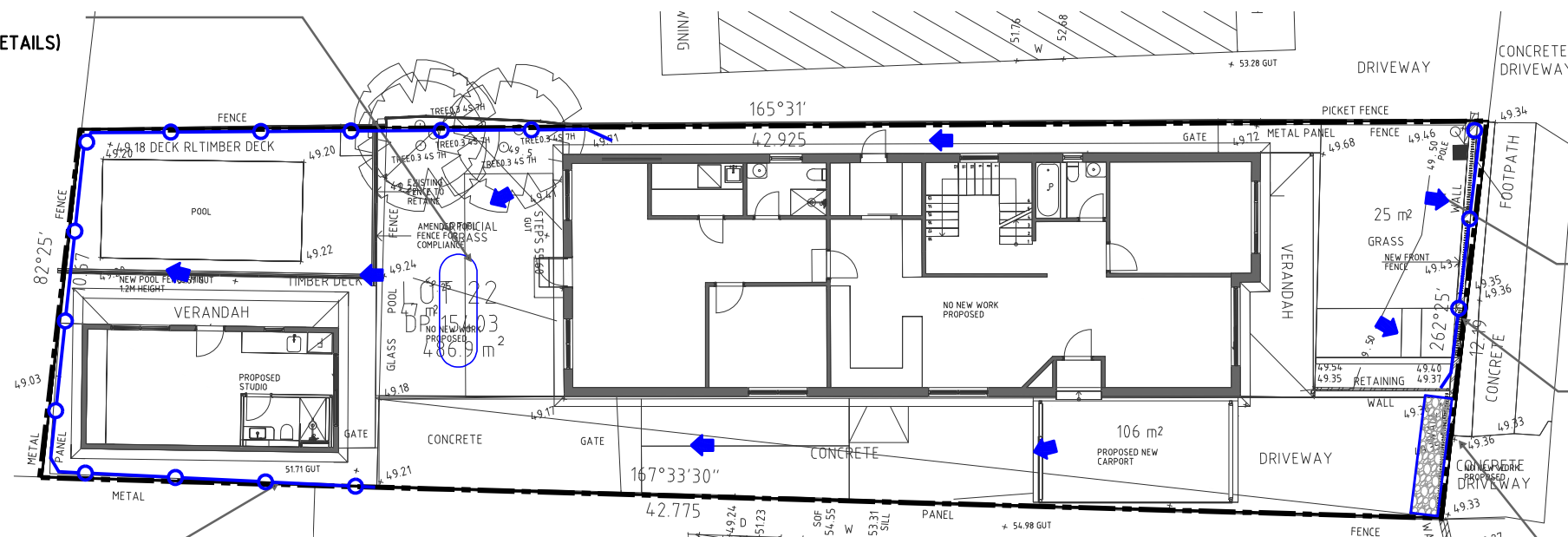
Drawing List	
Drawing Number	Drawing Name
2024H0020-SW01	Cover Sheet, Notes & Legend
2024H0020-SW02	Sediment and Erosion Control Plan
2024H0020-SW03	Catchment Plan
2024H0020-SW04	Ground Floor Plan
2024H0020-SW05	Level 1 Plan
2024H0020-SW06	Roof Plan

CIVIL AND HYDRAULIC ENGINEERING
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STOCK PILE

STOCKPILE
(REFER TO DETAILS)

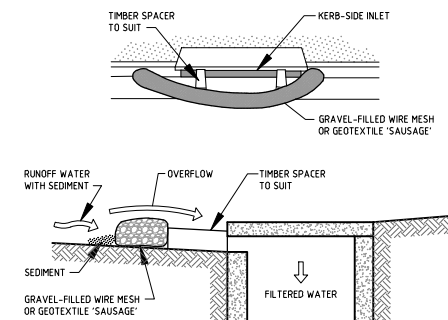


DASH LINE DENOTES
BOUNDARY LINE

— ARROW DENOTES
OVERLAND FLOW PATH

— SEDIMENT FENCE
(REFER TO DETAILS)

— STABILISED SITE ACCESS
(REFER TO DETAILS)

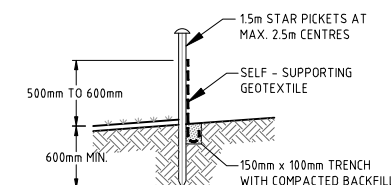


CONSTRUCTION NOTES:

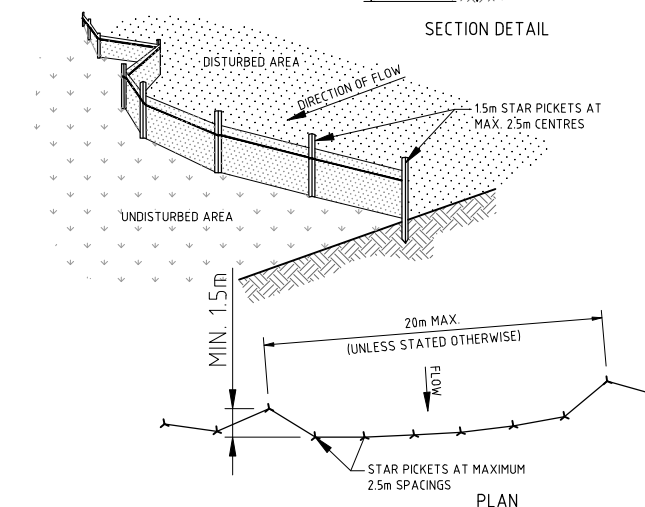
1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

MESH AND GRAVEL INLET FILTER DETAIL

NOT TO SCALE



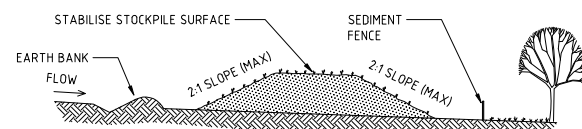
SECTION DETAIL



PI

SITE PLAN

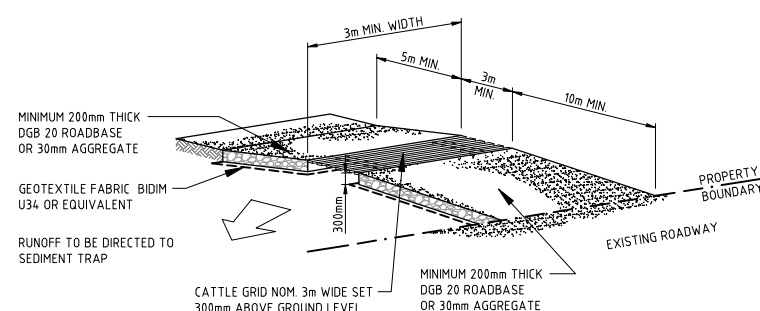
SCALE 1: 200



CONSTRUCTION NOTES:

1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONTAMINATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE.

STOCKPILE DETAIL



GEOFABRIC MAY BE A WOVEN OR NEEDLE-PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706.4-90) OF 2500 N

CONSTRUCTION NOTES:

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15m LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3m WIDE.
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

STABILISED SITE ACCESS WITH SHAKER GRID DETAIL

NOT TO SCALE

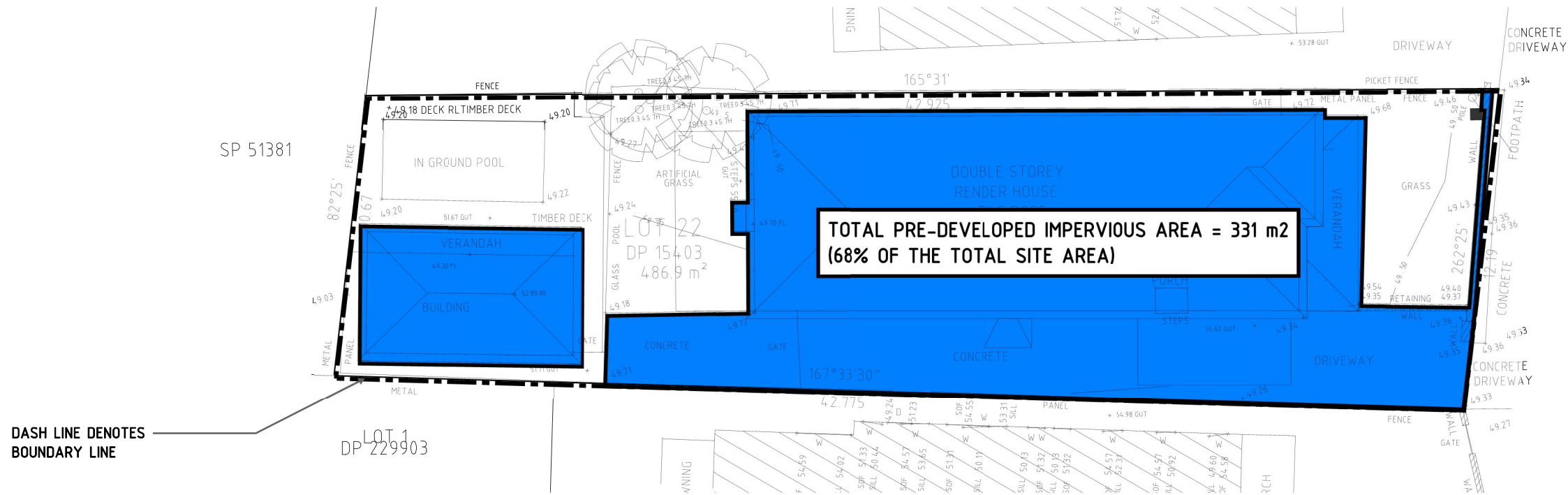
CONSTRUCTION NOTES:

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BE PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 15 METRE LONG STAR PICKETS INTO THE GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. STAK THE GEOTEXTILE WITH WIRE STAPLS AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150-mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE DETAIL

NOT TO SCALE

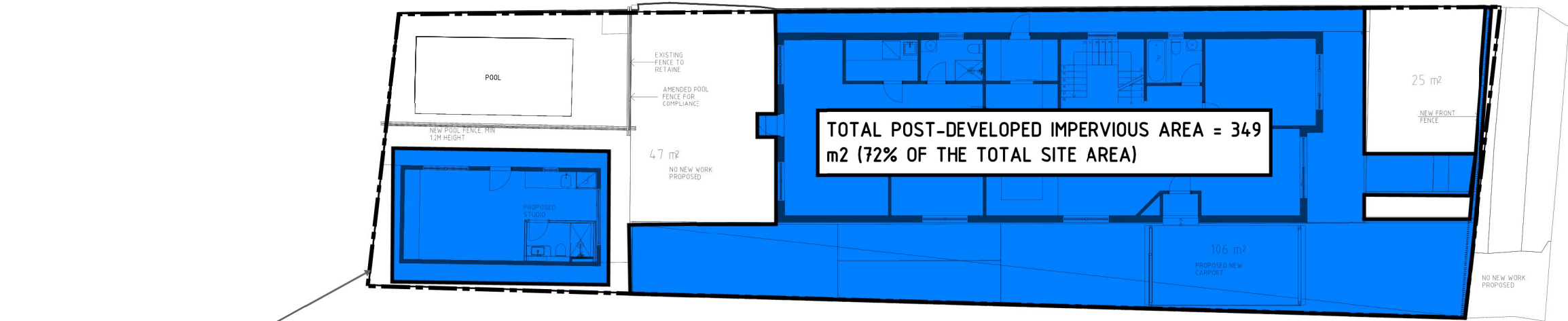
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PRE-DEVELOPED IMPERVIOUS CATCHMENT PLAN
SCALE 1:200

IMPORTANT NOTES:

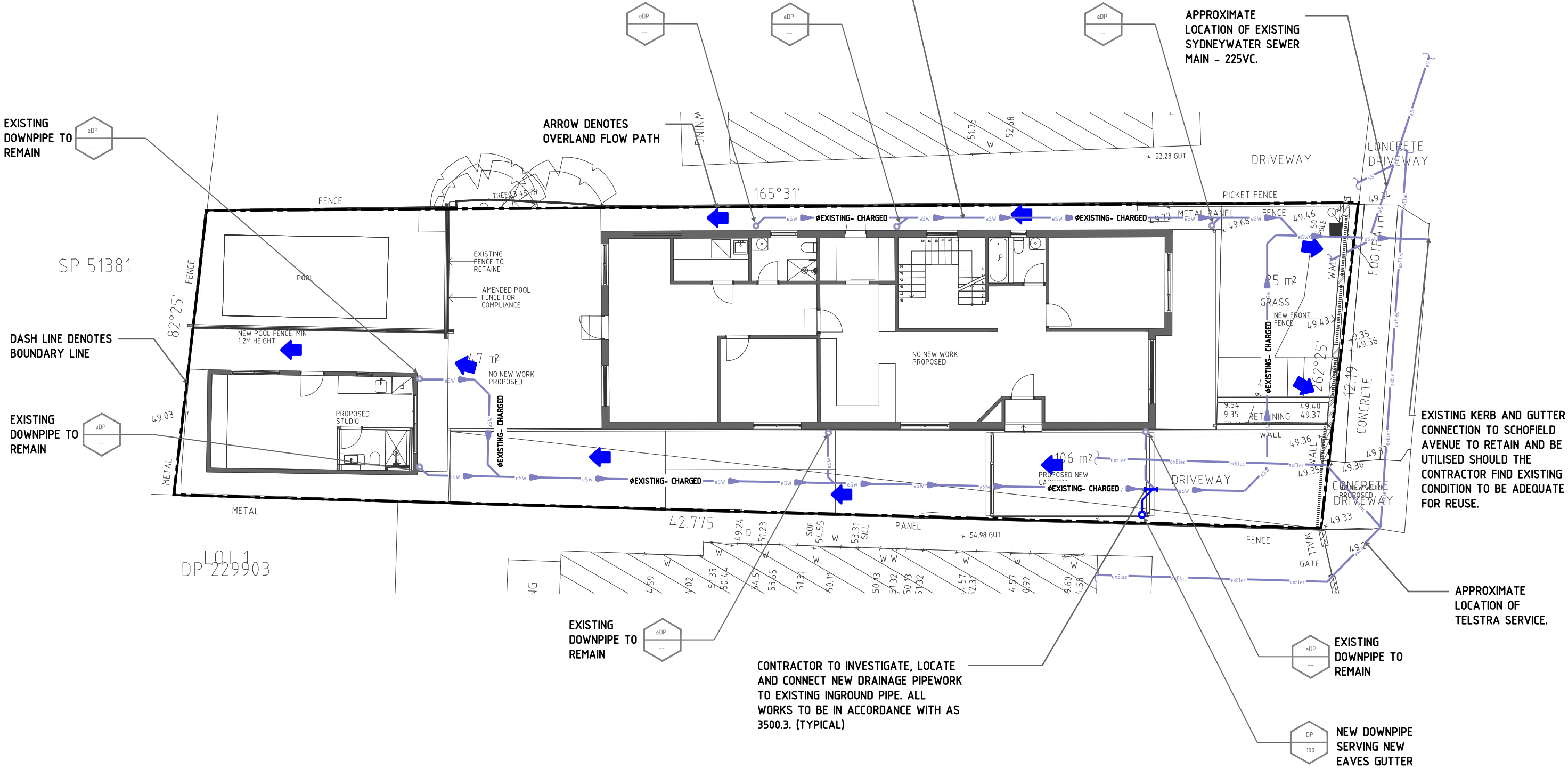
AS THE TOTAL PROPOSED IMPERVIOUS AREA IS LESS THAN 75% FOR SINGLE DWELLING, NO ONSITE DETENTION SYSTEM IS REQUIRED IN ACCORDANCE WITH CANTERBURY BANKSTOWN CITY COUNCIL DEVELOPMENT ENGINEERING STANDARDS 2023.





POST-DEVELOPED IMPERVIOUS CATCHMENT PLAN
SCALE 1:200

						STORMWATER MANAGEMENT PLANS		CLIENT		MRS. THU NGUYEN & MR. TUAN BUI		<div>PROJECT NORTH POINT</div> 	DESIGNER	T.N	DATE CREATED	21.06.2024	THIS DRAWING IS NOT TO BE USED FOR TENDER/CONSTRUCTION UNLESS ENDORSED BELOW		 <div>CIVIL AND HYDRAULIC ENGINEERING ABN 85 653 756 042 E: info@leopardengineers@gmail.com</div>
						CATCHMENT PLAN		PROJECT NAME		19 SCHOFIELD AVENUE, EARLWOOD			ENGINEER	B.D	STATUS	DA	PROJECT SUPERINTENDENT'S SIGNATURE:		

ASSUMED LOCATION OF EXISTING STORMWATER DRAINAGE PIPEWORK. CONTRACTOR TO VERIFY THE LOCATION, SIZE & DEPTH PRIOR TO COMMENCING ANY WORKS AND JET ALL BLOCKAGES AND MAINTAIN THE SYSTEM TO BE PROPERLY FUNCTIONAL.



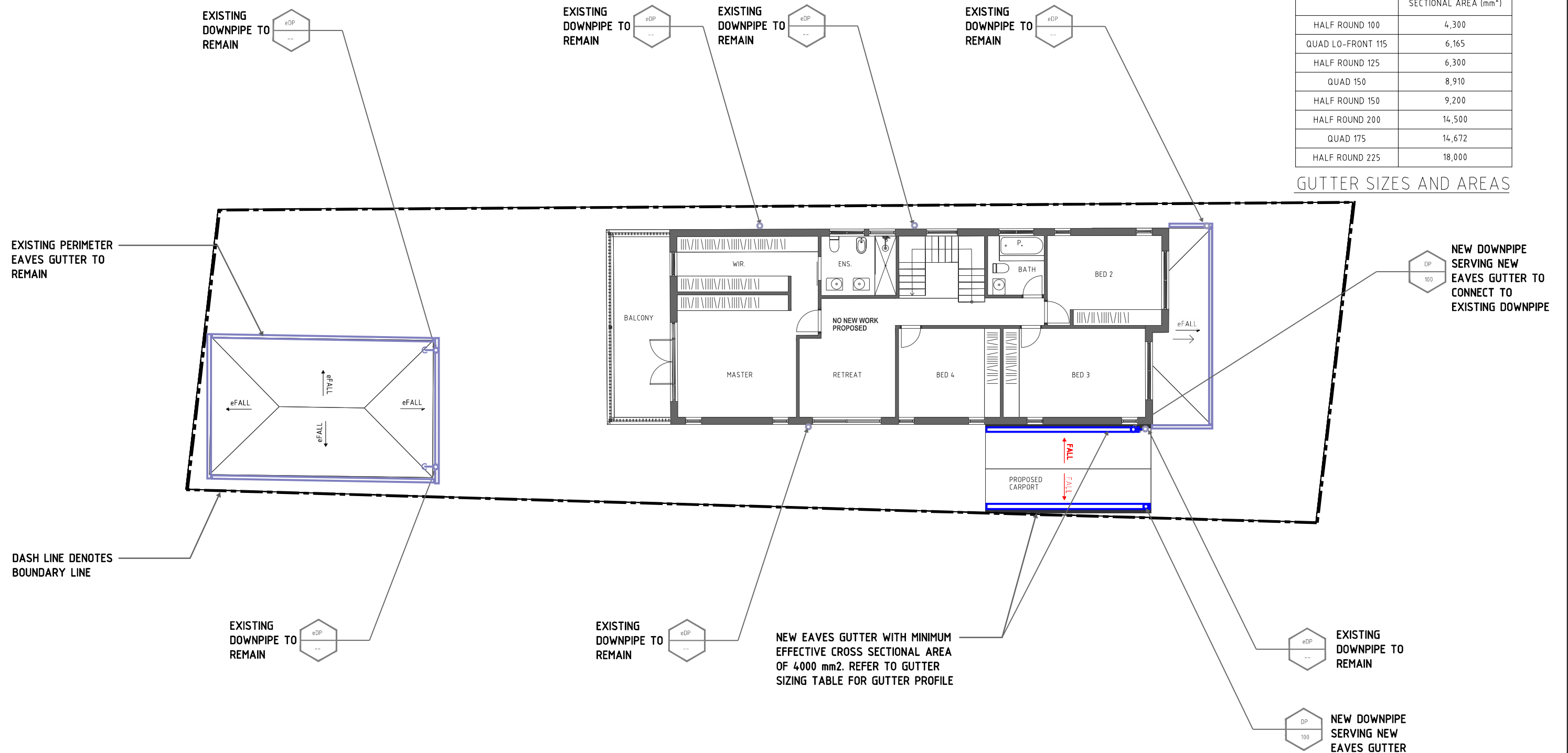
GROUND FLOOR PLAN
SCALE 1:150

					STORMWATER MANAGEMENT PLANS		CLIENT MRS. THU NGUYEN & MR. TUAN BUI		PROJECT NORTH POINT 		DESIGNER T.N	DATE CREATED 21.06.2024	THIS DRAWING IS NOT TO BE USED FOR TENDER/CONSTRUCTION UNLESS ENDORSED BELOW		 CIVIL AND HYDRAULIC ENGINEERING ABN 85 653 756 042 E: info@leopardengineers@gmail.com
					GROUND FLOOR PLAN		PROJECT NAME 19 SCHOFIELD AVENUE, EARLWOOD			ENGINEER B.D	STATUS DA	PROJECT SUPERINTENDENT'S SIGNATURE: DATE:			
P1	T.N	21.06.2024	B.D	ISSUED FOR DA					VERIFIER B.D	SCALE @ A3 1:150					
REV.	DES.	DATE	VER.	DESCRIPTION	DRAWING #	2024H0020-SW04	REVISION	P1	© THIS DRAWING AND DESIGN IS THE COPYRIGHT OF LEOPARD ENGINEERING GROUP. NO PART OF THIS DRAWING OR DESIGN SHALL BE REPRODUCED OR USED WITHOUT PRIOR WRITTEN CONSENT FROM LEOPARD CONSULTING ENGINEERS GROUP.						

NOTE:
CROSS SECTIONAL AREAS SHOWN ARE FOR
NON-SLOTTED EAVES GUTTERS. EAVES GUTTERS BY
LYSAGHT.
CONTRACTOR TO CONFIRM WITH SUPPLIER CROSS
SECTIONAL AREA OF EAVES GUTTER PRIOR TO
INSTALLATION.

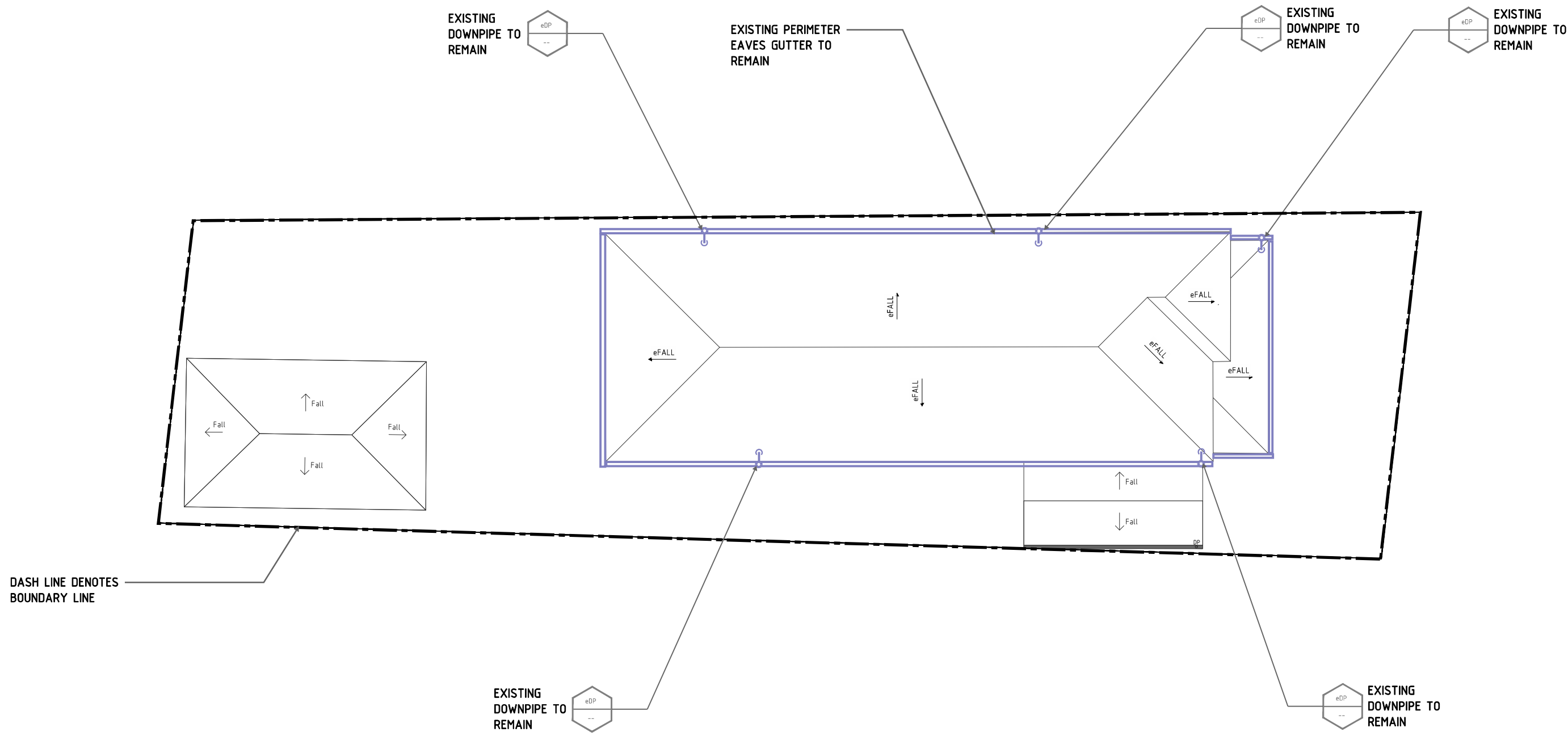
GUTTER PROFILE	EFFECTIVE CROSS SECTIONAL AREA (mm ²)
HALF ROUND 100	4,300
QUAD LO-FRONT 115	6,165
HALF ROUND 125	6,300
QUAD 150	8,910
HALF ROUND 150	9,200
HALF ROUND 200	14,500
QUAD 175	14,672
HALF ROUND 225	18,000

GUTTER SIZES AND AREAS




LEVEL 1 PLAN
SCALE 1:150

[illegible]



ROOF PLAN
SCALE 1:150

					STORMWATER MANAGEMENT PLANS		CLIENT	MRS. THU NGUYEN & MR. TUAN BUI		<div>PROJECT NORTH POINT</div>	DESIGNER	T.N	DATE CREATED	21.06.2024	THIS DRAWING IS NOT TO BE USED FOR TENDER/CONSTRUCTION UNLESS ENDORSED BELOW		<div></div> <div>CIVIL AND HYDRAULIC ENGINEERING</div> <div>ABN 85 653 756 042</div> <div>E: info@leopardengineers@gmail.com</div>
					ROOF PLAN		PROJECT NAME	19 SCHOFIELD AVENUE, EARLWOOD			ENGINEER	B.D	STATUS	DA	PROJECT SUPERINTENDENT'S SIGNATURE:		