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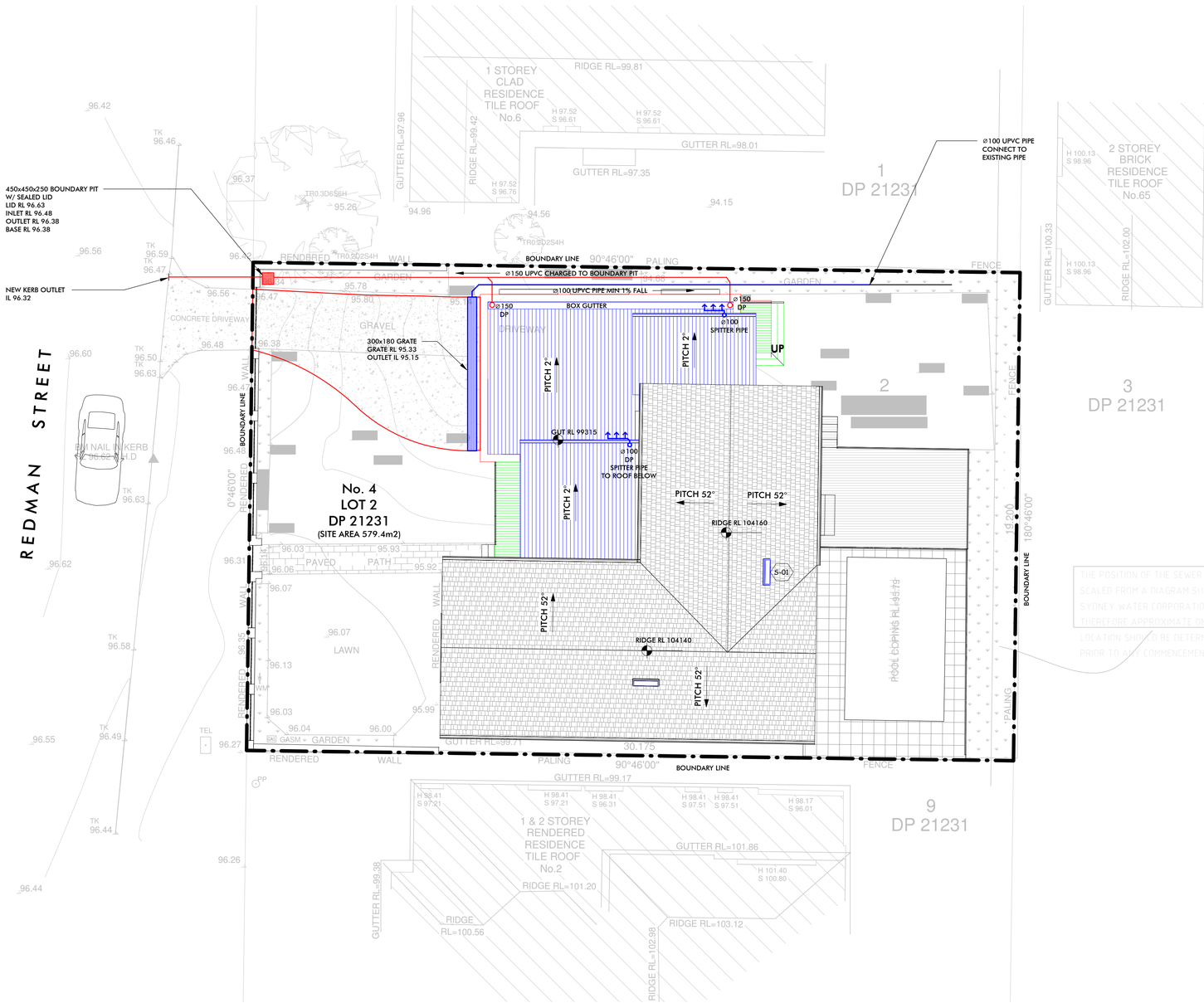


34 CONCEPT STORMWATER MANAGEMENT PLAN

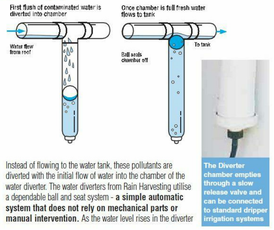
SCALE 1 : 100

NOTE:
THIS DEVICE, OR ITS EQUIVALENT, TO BE FITTED TO EACH DOWNPIPE

How does a First Flush Water Diverter work?

Fitting an appropriately sized water diverter is critical to achieve good quality water. Water diverters improve water quality and reduce tank maintenance by **preventing the first flush of water, which may contain roof contaminants, from entering the tank.**

When it rains, water slowly builds up in the roof guttering system before it exits through the downpipe. **The first flush of water from the roof can contain** amounts of bacteria from decomposed insects, skinks, bird and animal droppings and concentrated tannic acid. It may also contain sediment, water borne heavy metals and chemical residues, all of which are **undesirable elements to have in a water storage system.**



Instead of flowing to the water tank, these pollutants are diverted with the initial flow of water into the chamber of the water diverter. The water diverters from Rain Harvesting utilise a dependable ball and seat system - **a simple automatic system that does not rely on mechanical parts or manual intervention.** As the water level rises in the diverter

RAINWATER DIVERTER DETAILS

NOTE:
FIRST FLUSH DEVICES TO BE INSTALLED AT ALL DRAINAGE TANKS IN ACCORDANCE WITH AS3500 AND SYDNEY WATER REQUIREMENTS

NOTE:
THIS DEVICE, OR ITS EQUIVALENT, TO BE FITTED TO EACH DOWNPIPE

RAINWATER LEAF SCREEN DETAILS

NOTE:
FINAL UNDERGROUND STORMWATER SERVICE LOCATIONS TO BE DETERMINED ON-SITE AND SHALL BE CO-ORDINATED WITH THE EXISTING STRUCTURES AND TREE ROOTS

ALL STORMWATER PIPES SHOWN ON THIS PLAN ARE SHOWN INDICATIVELY ONLY

Rev	Description & Purpose of Issue	Date
A	Issued for DA Lodgement	09-9-2019

ROMEOCAD design

Client: Ben Hildyard

Scale (A1): 1 : 100
Drawn: REF
Job Number: A16179
Print Date: 09-Sep-19 3:06:34 PM
Council: Northern Beaches Council

Proposed alterations and additions at: 4 Redman Street Seaforth NSW Lot 2 DP 21231

Title: Existing & Concept Drainage Plan

Drawing No.: H-01
Revision: A