

POSITION SUMP LID ABOVE GROUND LEVELS ~ POSITION SUMP LID ABOVE GROUND LEVELS —
ABOVE THE SUBSOIL DRAIN TO ENCOURAGE
THE DRAIN TO BUBBLE UP ALONG IT'S LENGTH
BEFORE SURCHARGING AT THE SUMP LID
ALSO ENSURE THE SUMP LID IS ADEQUATELY
BELOW ANY FLOOR LEVELS AND CONNECTING
STORMWATER STRUCTURES AS THE CONNECTING
PIPEWORK WILL REMAIN CHARGED TO THE TOP
LEVEL OF THE PE TRENCH LINER INDICATIVE HDPE LINER IN-BUBBLE UP SUBSOIL TRENCH EITHER SIDE OF CLEAN NO FINES DRAINAGE AGGREGATE OVERFLOW PIPE FROM 110 OD SMOOTH BORE 350 x 350 x 600 (NOMINAL WATER TANK - SIZED AND PERFORATED DRAINAGE PIPE APPLICATION FOR EACH 110 OD SMOOTH BORE PERFORATED

(WATER TANK OVERFLOW DISCHARGE)

PLAN VIEW

TYPICAL SUMP SECTION AT BUBBLE UP TRENCH DETAIL TYPICAL STORMWATER DETENTION ARRANGEMENT WITH 2 x ABOVE GROUND WATER TANKS

SCALE 1:20 @ A1, 1:40 @ A3

AT BUBBLE UP TRENCH DETAILS

SCALE 1:20 @ A1, 1:40 @ A3

SAFETY IN DESIGN

ALL REASONABLY PRACTICABLE STEPS HAVE BEEN TAKEN TO ENSURE SAFETY IN DESIGN HAS BEEN CONSIDERED WITHIN STRATA GROUP'S SCOPE OF WORK FOR THIS DESIGN IN ACCORDANCE WITH IPENZ PRACTICE NOTE OF "DESIGN FOR SAFETY IN BUILDINGS AND OTHER STRUCTURES (JULY 2006)". IT REAMINS THE RESPONSIBILITY OF THE OWNER ANDIOR OPERATOR TO ENSURE APPROPRIATE PRACTICES ARE IN PLACE TO PROTECT THE SAFETY OF THE WORKERS AND THE PUBLIC IN THE OPERATION OF THE FACILITY. stratagroup SR & BJ WILLIAMS MANGAKURI STATION **DETAILS** THE CONTRACTOR IS TO BE AWARE OF AL PART 1 THE CONTRACTION IS TO BE AWARE OF ALL INSPECTIONS TO BE MADE BY THE ENGINEER AS A REQUIREMENT OF THE PRODUCER STATEMENT PS4 CONSTRUCTION REVIEW DOCUMENTATION. THE ENGINEER WILL REQUIRE 24 HOURS PRIOR NOTIFICATION FOR ALL INSPECTIONS. CHARITABLE TRUST **SUBDIVISION** CONSULTING ENGINEERS P 06 876 7646 C500 BOARD 402 MANGAKURI ROAD, J5864 www.stratagroup.net.nz PRELIMINARY MANGAKURI

(60mm+) DISH FORMATION

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DETAIL BU-SS

TYPICAL BUBBLE UP SUBSOIL DRAIN