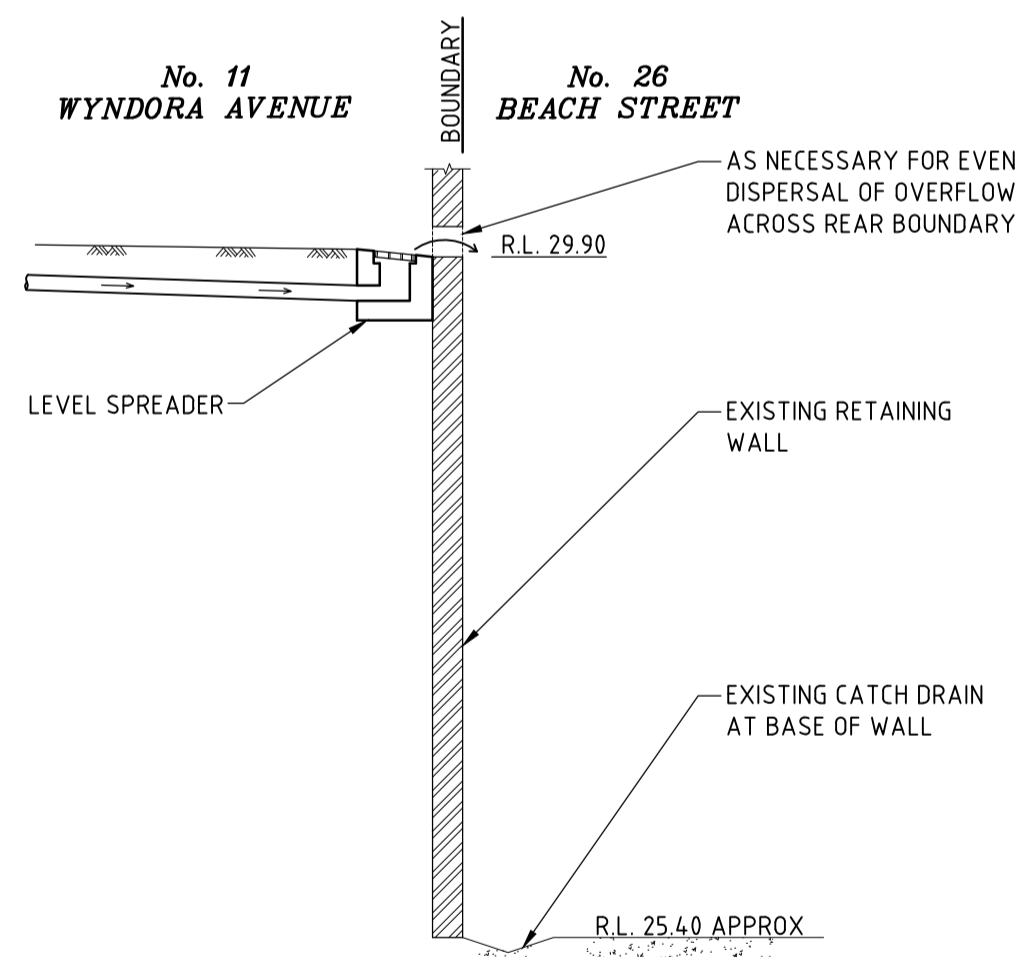





NOTE: FOR DETAILS REFER TO STORMWATER
MANAGEMENT DETAILS SHEET 39716-2 LEVEL
SPREADER DETAIL B

AREA DRAINING TO THE TANK = 236 m²
IMPERVIOUS AREA DRAINING TO O.S.D. = 236m
DEVELOPED 100YR T.W.L. = R.L. 31.33 A.H.D.
ORIFICE DIAM = 57mm
SSR = 9.5m³



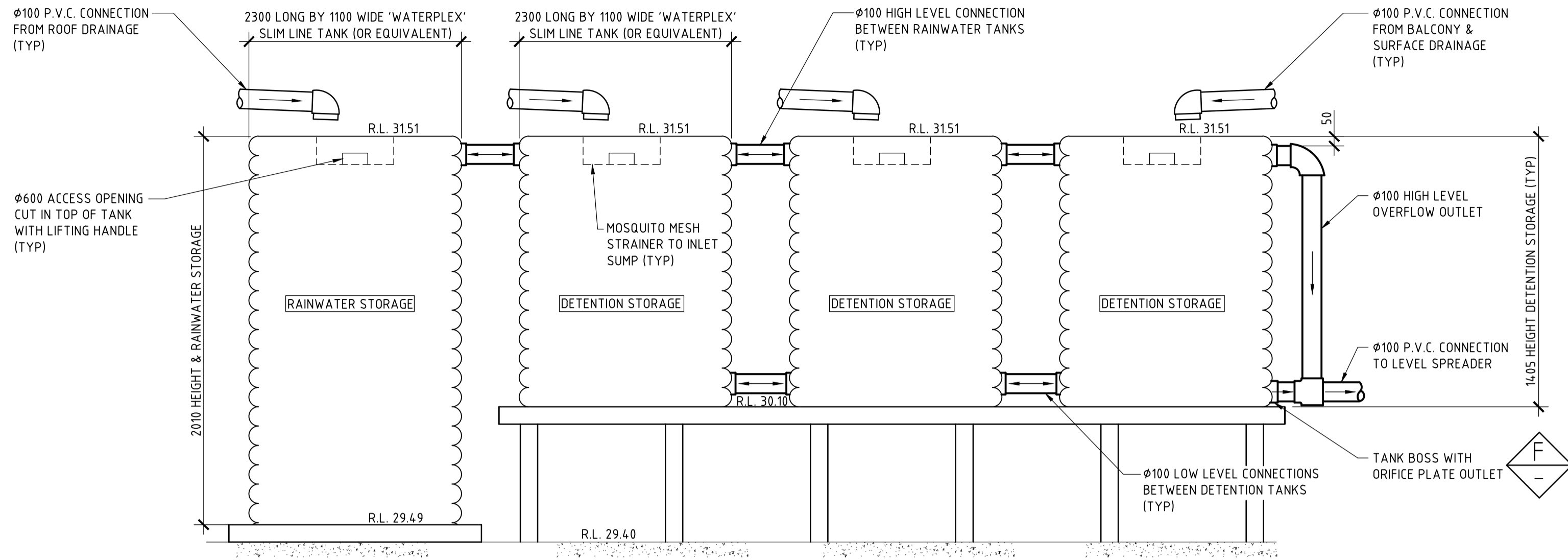
SCALE 1:50

NOTE: FOR DETAILS REFER TO STORMWATER
MANAGEMENT DETAILS SHEET 39716-2 LEVEL
SPREADER DETAIL B

TITLE			
STORMWATER MANAGEMENT PLAN 11 WYNDORA AVENUE, FRESHWATER			
DRAWN	DATE	CHECKED	SCALE <input type="radio"/> A1
JBK	02 DECEMBER 2016		1:100
BY: BE Civil (Hons) MIE Aust			

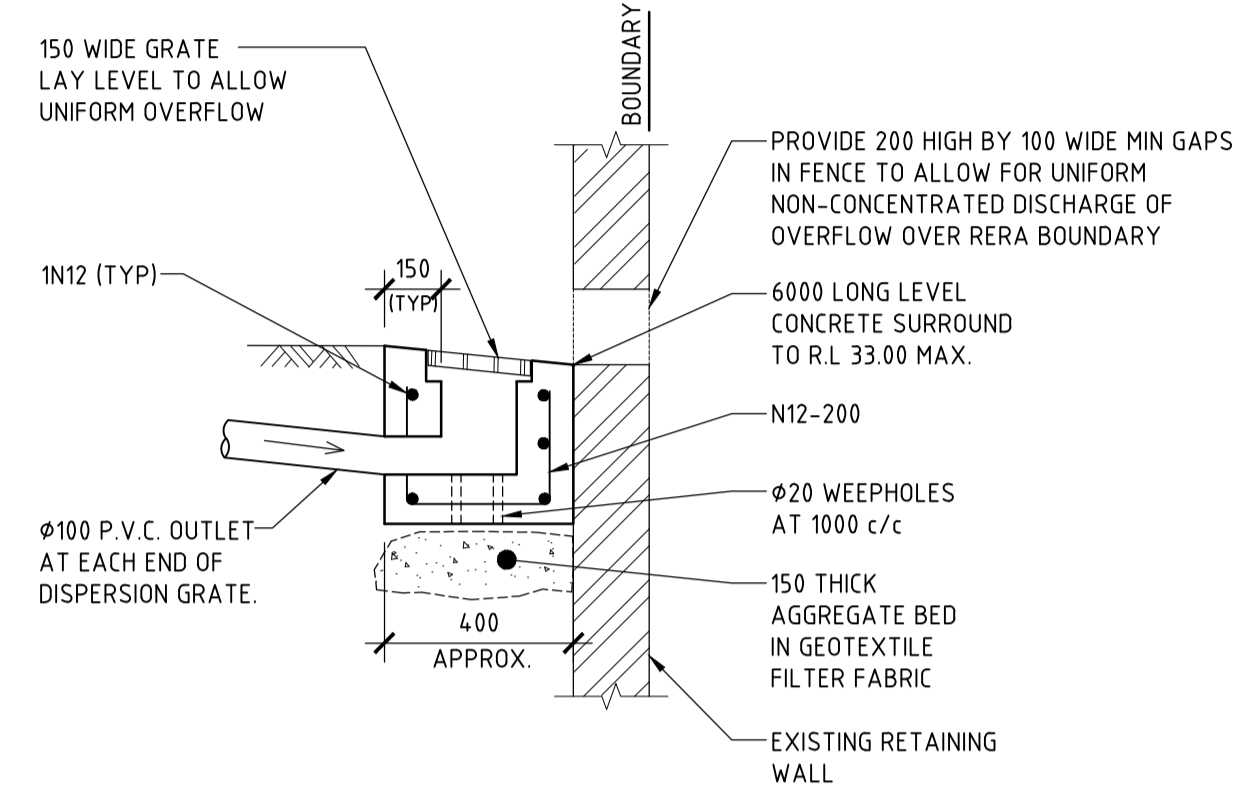


DRAWING NO
39716-1



NOTE: RAINWATER STORAGE TANK TO BE INSTALLED AND CONFIGURED TO SYDNEY WATER, COUNCIL AND MANUFACTURER'S REQUIREMENTS.

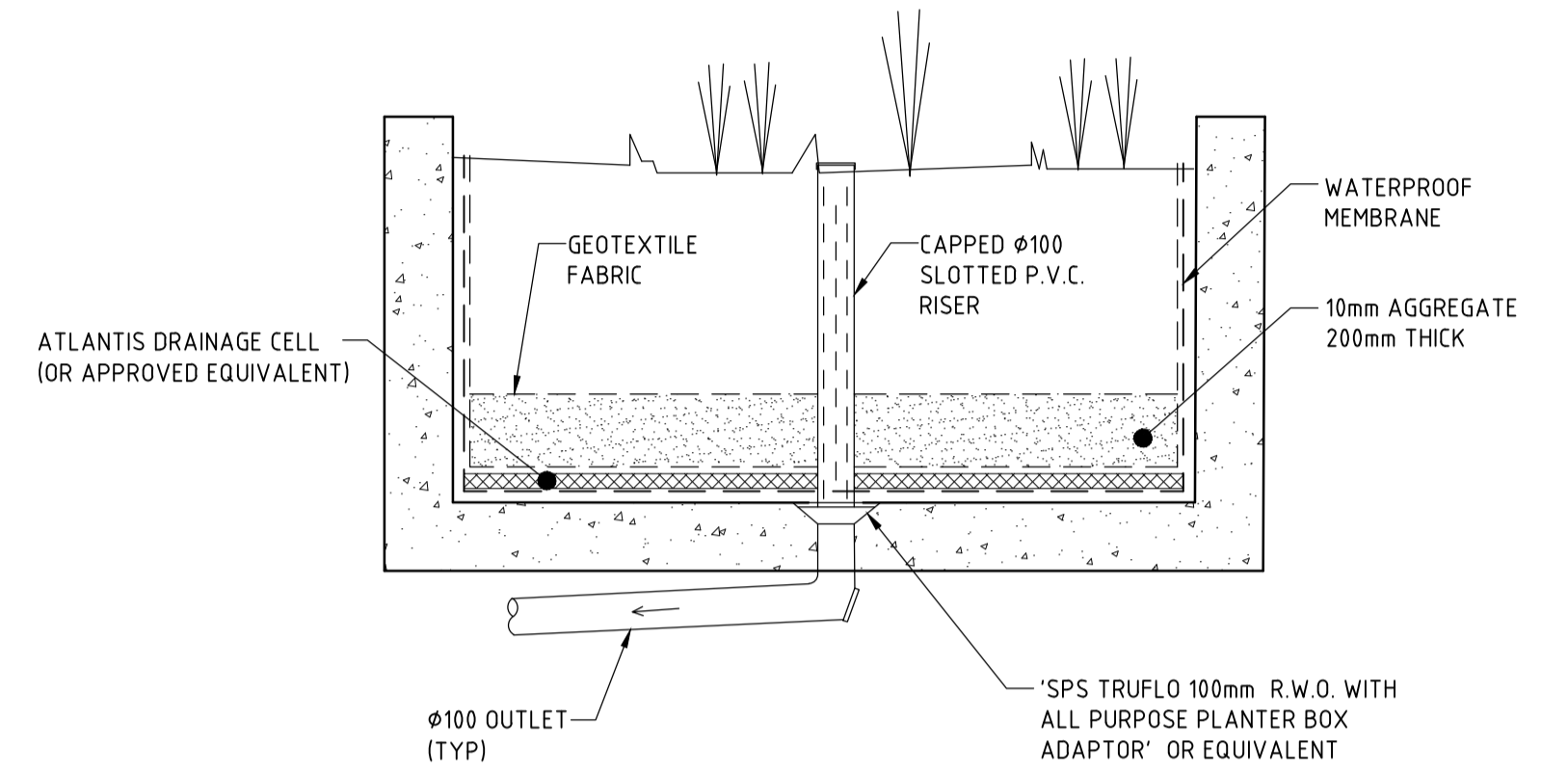
DETAIL A
SCALE 1:20



DETAIL B
SCALE 1:20

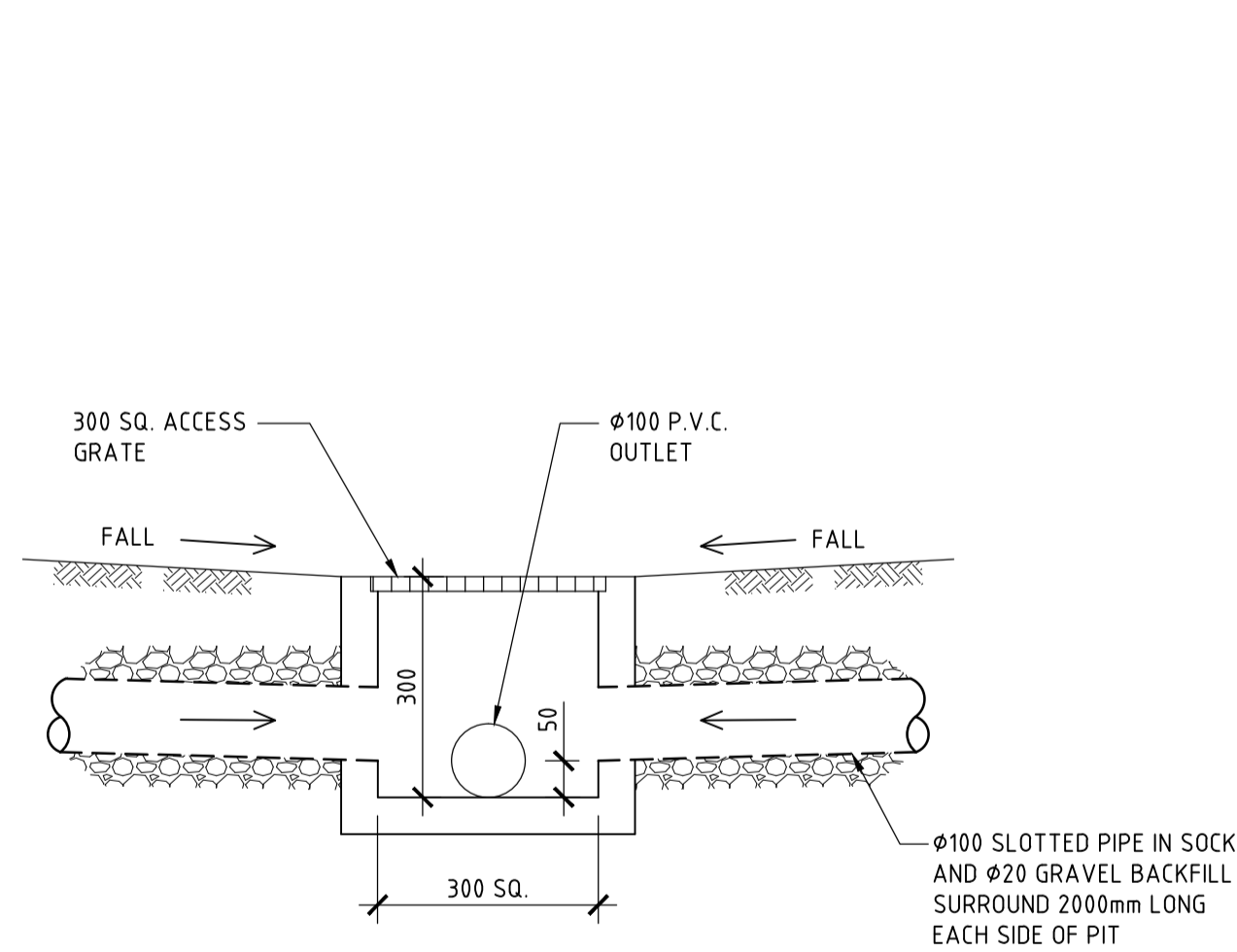
SHOWING HORIZONTAL DISPERSION GRATE
NOTE: CONCRETE STRENGTH = 20 MPa

NOTE: GRATING SURROUND MAY BE A PROPRIETARY PRODUCT SUBJECT TO APPROVAL BY SUPERVISING ENGINEER



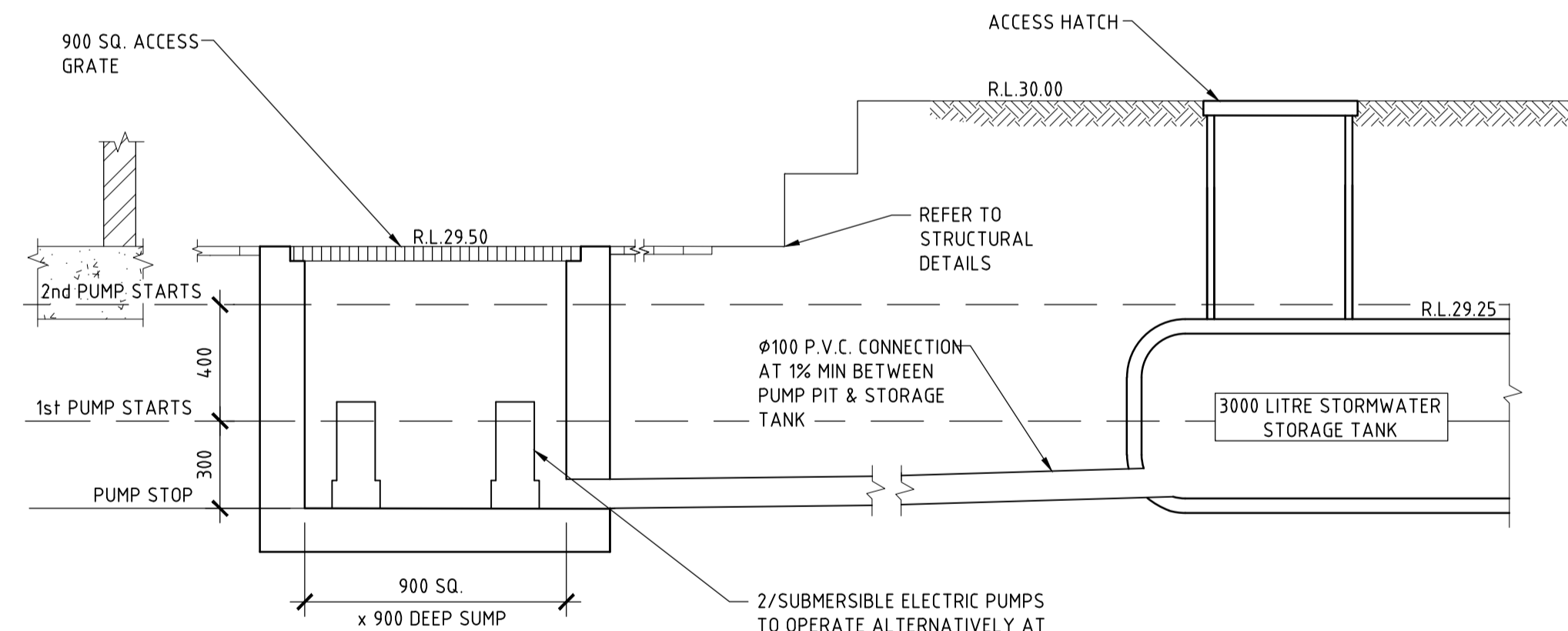
DETAIL C
SCALE 1:20

SHOWING TYPICAL PLANTER BOX DETAIL



DETAIL D
SCALE 1:10

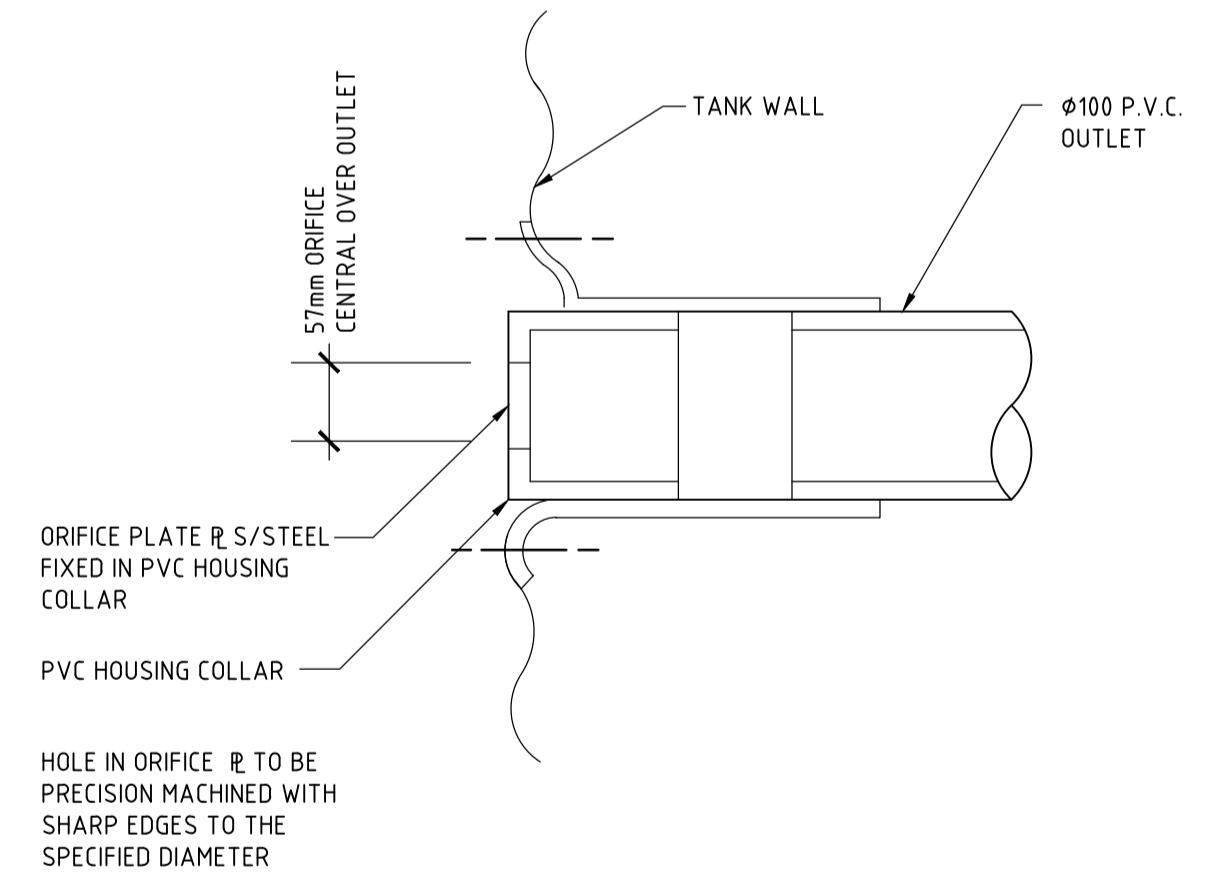
TYPICAL SURFACE INLET PIT DETAIL



DETAIL E
SCALE 1:20

STORMWATER COLLECTION AND PUMP PIT DETAIL.
STRUCTURAL DESIGN TO SEPARATE DETAIL.

- PUMP NOTES**
1. TWIN SUBMERSIBLE PUMPS TO BE PROVIDED IN PUMP PIT.
 2. PUMPS TO OPERATE ALTERNATELY AT LOW INLET FLOWRATE & CONCURRENTLY AT HIGH INLET FLOWRATE.
 3. PUMP CAPACITY TO BE 3.0 l/s EACH FOR STATIC HEAD = 8.0m (EXCLUDES OUTLET PIPE LOSSES).
 4. PROVIDE EXTERNAL CONTROL PANEL WITH AUDIO & VISUAL ALARMS & BATTERY POWER BACK-UP.
 5. INLET PIPE TO BE LOCATED CLEAR OF THE HIGH LEVEL FLOAT SWITCH TO PREVENT FALSE ALARMS.

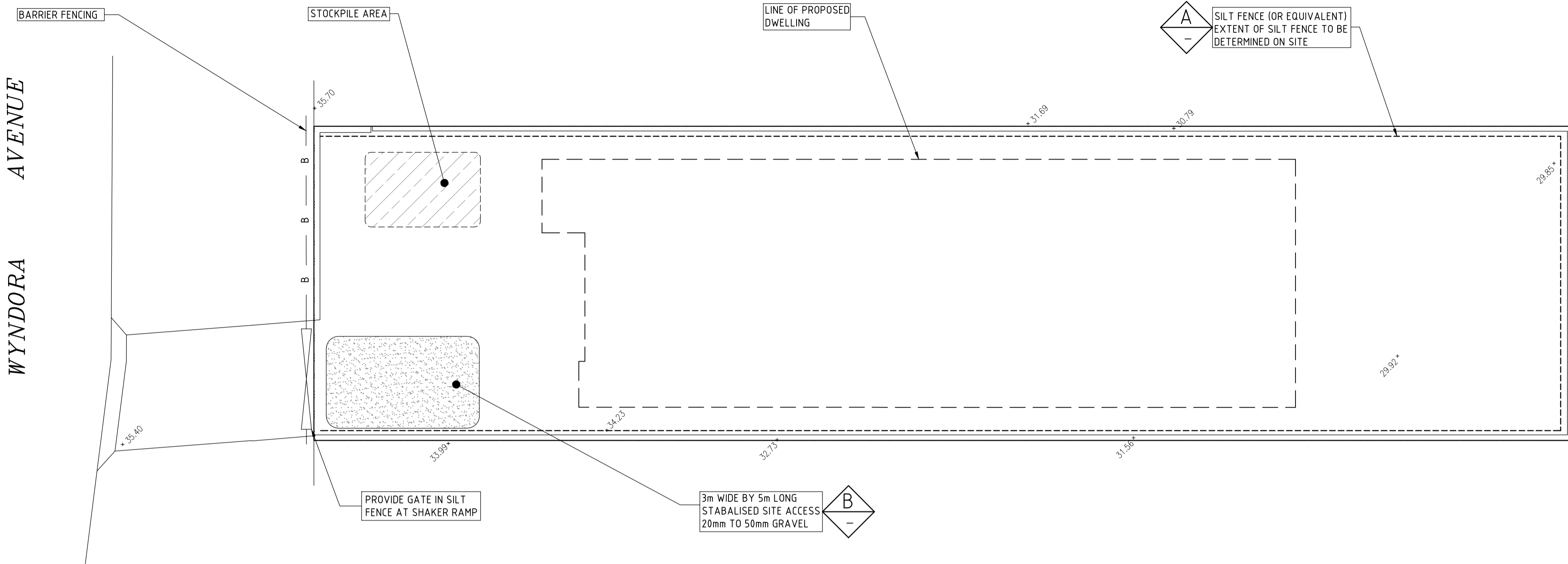
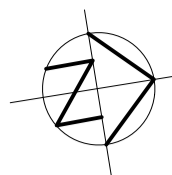


DETAIL F
SCALE 1:5

DETENTION STORAGE OUTLET ORIFICE PLATE

ISSUE	DATE	REVISION

TITLE STORMWATER MANAGEMENT PLAN 11 WYNDORA AVENUE, FRESHWATER				TAYLOR CONSULTING CIVIL & STRUCTURAL ENGINEERS	39716-2 DRAWING NO.
DRAWN JBK	DATE 05 DECEMBER 2016	CHECKED <i>[Signature]</i> BE Civil (Hons) MIE Aust.	SCALE @ A1 1:20 1:10 1:5		
"Seascope" Suite 7 22-26 Fisher Rd Dee Why NSW 2099 T 02 9982 7092 F 02 9982 5898 enquire@taylorconsulting.net.au www.taylorconsulting.net.au					



EROSION & SEDIMENT CONTROL PLAN

SCALE 1:100

NOTE: SHOWING PROPOSED EROSION & SEDIMENT CONTROL MEASURES TO BE PROVIDED FOR THE SITE

EROSION & SEDIMENT CONTROL NOTES.

PLAN TO BE READ IN CONJUNCTION WITH DWG 39716-1 SITE STORMWATER MANAGEMENT PLAN

DESCRIPTION

THE PROJECT IS THE PROVISION OF A NEW RESIDENTIAL UNIT BUILDING. THE TOTAL DISTURBED AREA IS APPROXIMATELY 0.02 Ha.

EROSION

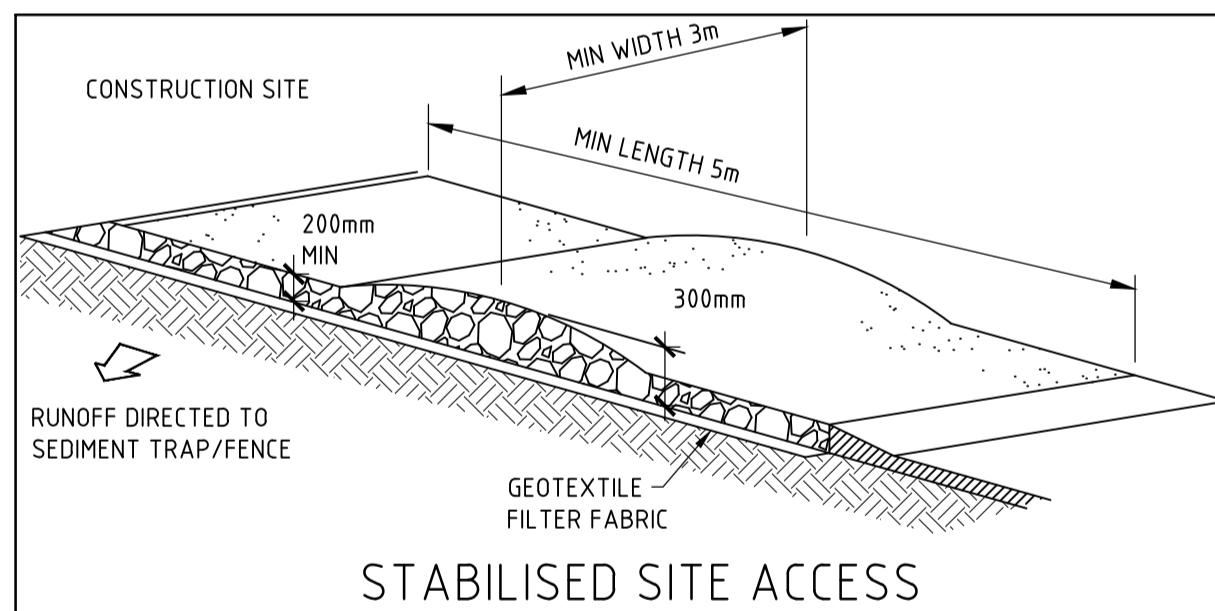
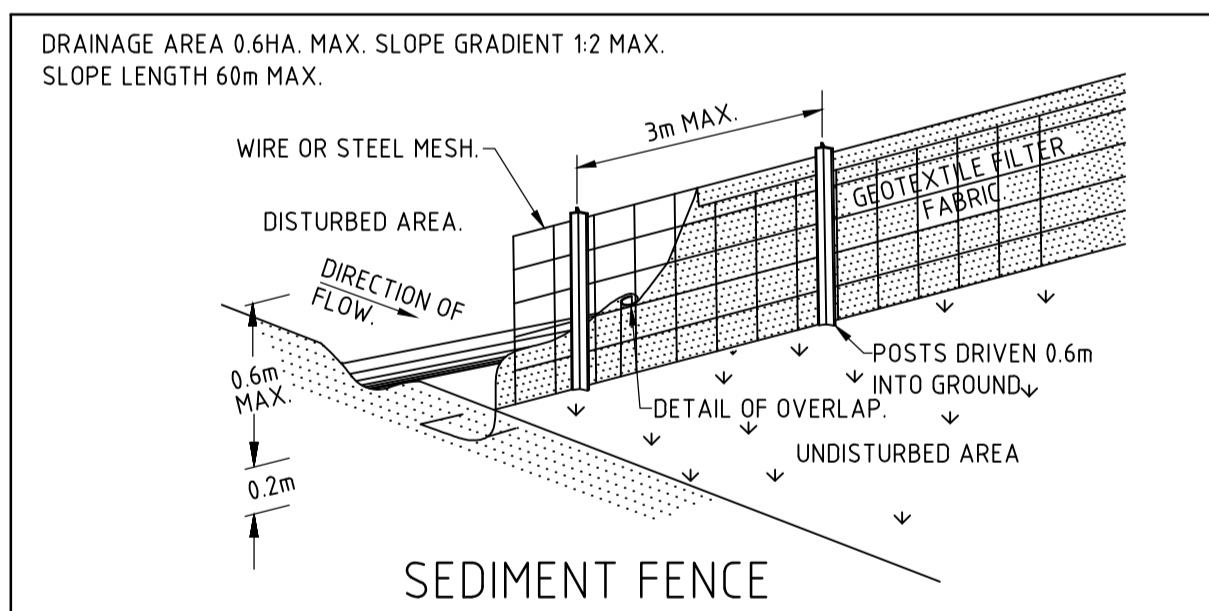
NO AREA IS TO BE DISTURBED OTHER THEN THAT DIRECTLY AFFECTED BY ACCESS, SITE REGRADING, SERVICING, ROAD WORKS AND DRAINAGE WORKS. FOR ALL OTHER AREAS ENTRY IS PROHIBITED AND IS TO BE CLEARLY DEFINED WITH THE INSTALLATION OF BARRIER FENCING. UPSTREAM WATER IS TO BE DIRECTED AROUND THE SITE WITHOUT CONTAMINATION.

SEDIMENT CONTROL

CONTROL WILL BE VIA THE INSTALLATION OF SILT FENCES AS SHOWN ON PLAN. STOCK PILES ARE TO BE LOCATED IN AREAS SHOWN ON THE PLAN (CLEAR OF SERVICING, WATERCOURSES, ROAD AND DRAINAGE WORKS) AND PROVIDED WITH SILT FENCES ON THEIR DOWNSTREAM SIDE.

PHASING OF WORKS

1. INSTALL ALL BARRIER AND SILT FENCING. BARRIER FENCING MAY BE ERECTED AND REMOVED AS NECESSARY TO SUIT STAGING OF WORKS.
2. INSTALL ALL TEMPORARY DRAINAGE STRUCTURES AS NECESSARY.
3. STRIP & STOCKPILE TOPSOIL.
4. UNDERTAKE SITE DEVELOPMENT.
5. AS EARTHWORKS ARE COMPLETED THESE AREAS ARE TO BE TOPSOILED, SEEDED AND MULCHED OR PAVED WITHIN 20 WORKING DAYS.
6. ONLY AT THE COMPLETION OF WORKS AND STABILIZATION OF AREAS UPSTREAM ANY CONTROL DEVICES TO BE REMOVED.



ISSUE	DATE	REVISION

TITLE EROSION & SEDIMENT CONTOL PLAN 11 WYNDORA AVENUE, FRESHWATER			
DRAWN JBK	DATE 05 DECEMBER 2016	CHECKED 	SCALE 1:100
TAYLOR CONSULTING CIVIL & STRUCTURAL ENGINEERS			

DRAWING NO
39716-3