

# SEDIMENT RETENTION POND

# STABILISED CONSTRUCTION ENTRANCE - SPECIFICATIONS:

# APPLICATION

USE A STABILISED CONSTRUCTION ENTRANCE AT ALL POINTS OF CONSTRUCTION SITE INGRESS AND EGRESS WITH A CONSTRUCTION PLAN LIMITING TRAFFIC TO THESE ENTRANCES ONLY.

# DESIGN:

- 1. CLEAR THE ENTRANCE AND EXIT AREA OF ALL VEGETATION, ROOTS AND OTHER UNSUITABLE MATERIAL AND PROPERLY GRADE IT.
- 2. LAY WOVEN GEOTEXTILE: PIN DOWN EDGES AND OVERLAP JOINS:
- CONSTRUCTION ENTRANCE TO A SEDIMENT CONTROL MEASURE.
- 4. PLACE AGGREGATE TO THE SPECIFICATIONS BELOW AND SMOOTH IT.

STABILISED CONSTRUCTION ENTRANCE AGGREGATE SPECIFICATIONS

AGGREGATE SIZE	50-150mm WASHED AGGREGATE
THICKNESS	150mm MINIMUM OR 1.5 x AGGREGATE SIZE
LENGTH	10m MINIMUM LENGTH RECOMMENDED
WIDTH	4m MINIMUM

- 1. MAINTAIN THE STABILISED CONSTRUCTION ENTRANCE IN A CONDITION TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. AFTER EACH RAINFALL INSPECT ANY STRUCTURE USED TO TRAP SEDIMENT FROM THE STABILISED CONSTRUCTION ENTRANCE AND CLEAN OUT AS NECESSARY.
- 2. WHEN WHEEL WASHING IS ALSO REQUIRED, ENSURE THIS IS DONE ON AN AREA STABILISED WITH AGGREGATE WHICH DRAINS TO AN APPROVED SEDIMENT RETENTION FACILITY.

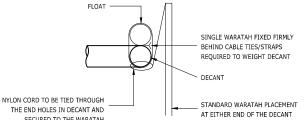
# NUMBER OF DECANTS FOR EACH POND SHALL BE AS FOLLOWS:

WIRE LIMITING VERTICAL

I) UP TO 1.5HA CATCHMENT - 1 DECANT

II) 1.5-3.0HA CATCHMENT - 2 DECANTS III) 3 TO 5 HA CATCHMENT - 3 DECANTS

MOVEMENT OF DECANT WARATAHS PLACED EITHER SIDE OF DECANT ARM AS ALTERNATIVE MEANS OF SECURING DECANT STANDARD WARATAH TO WEIGHT DECANT (REFER SECTION A-A) STANDARD END CAPS WIRE OR STEEL STRAPS TO FLEXIBLE RUBBER JOINTS GLUED JOIN DECANT AND FLOAT AND CLAMPED - TWO JOINTS TO BE USED ONLY FOR LOWER DECANT



# SECTION A-A

SEDIMENT RETENTION POND - DECANT DETAIL

**FAST-TRACK CONSENT** 

ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND

QUALITY

# NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE OPERATIONAL PRIOR TO ANY OTHER WORKS COMMENCING ON SITE. THE CONTRACTOR SHALL ARRANGE FOR AND ATTEND A PRELIMINARY SEDIMENT CONTROL MEETING ON-SITE WITH THE ENGINEER.
- A COPY OF THE SEDIMENT CONTROL PLAN SHALL BE AVAILABLE ON THE SITE DURING WORK HOURS AND ALL PERSONNEL INVOLVED IN EARTHWORK ACTIVITIES ON THE SITE (INCLUSIVE OF SUB-CONTRACTORS) SHALL BE FAMILIAR WITH THE PLAN REQUIREMENTS AS THEY RELATE TO EROSION AND SEDIMENT CONTROL.
- ALL 'CLEAN WATER' RUNOFF FROM STABILISED SURFACES INCLUDING CATCHMENT AREAS ABOVE THE SITE SHALL BE DIVERTED AWAY FROM FARTHWORK AREAS VIA STABILISED SYSTEM TO PREVENT SURFACE
- ALL EROSION AND SEDIMENT CONTROL SHALL COMPLY WITH THE AUCKLAND COUNCIL 'EROSION AND SEDIMENT CONTROL GUIDELINES FOR LAND DISTURBING ACTIVITIES IN THE AUCKLAND REGION
- THE MAIN SILT CONTROL MEASURES FOR THIS SITE
- (I) DIVERSION OF "CLEAN WATER" FROM THE ABOVE CATCHMENTS AROUND THE EARTHWORKS AREA BY MEANS OF DIVERSION DRAINS, AND/OR OTHER APPROVED METHOD AS DIRECTED BY THE ENGINEER.
- (II) REMOVAL OF SEDIMENT FROM SILT-LADEN WATERS USING EITHER "SEDIMENT PONDS" OR "SILT FENCES" OR BOTH
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# Metlifecare

99 TOTARA ROAD DEVELOPMENT

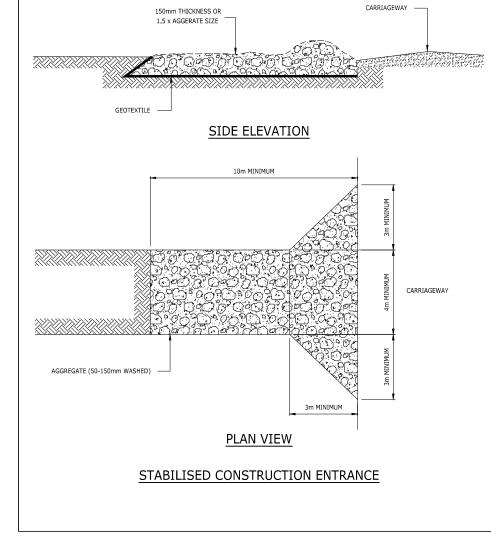
**EROSION SEDIMENT CONTROL PLAN** STANDARD DETAILS SHEET 1 OF 3

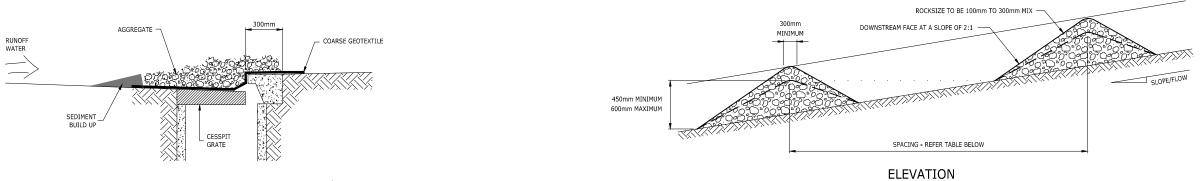
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# FOR FAST-TRACK CONSENT STAGE 1

PROJECT No: A2213426-00	SCALES: 1:750 - A1 1:1500 - A3	A1	
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REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: DATA\LOCAL\AUTODESK\C3D 2022\ENU\TEMPLATE N:\1050\A2213426.00\_A TOTARA ROAD\CAD\CAD - SHEETS\A2213426-00 - 240 - \$\frac{1}{2}CP.DWG





# CROSS SECTION AGGREGATE CARRAGENAN

COMPACTED

CONTOUR DRAIN

# STORMWATER INLET PROTECTION - FILTER MEDIA DESIGN

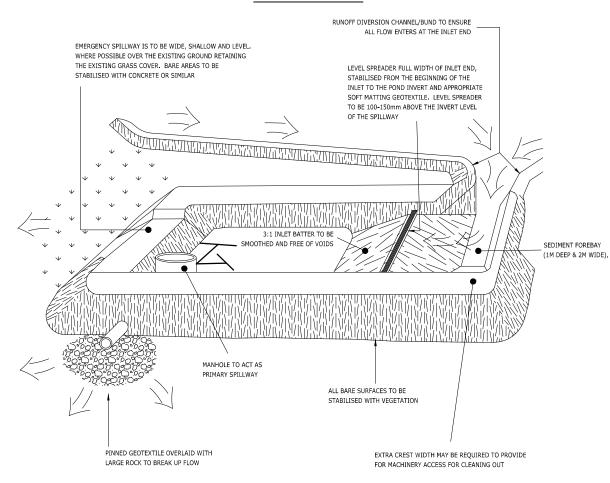
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# **CROSS SECTION**

STANDARD	STANDARD ROCK CHECK DAM DESIGN			
SLOPE	SPACING (m) BETWEEN DAMS (450mm CENTRE HEIGHT)	SPACING (m) BETWEEN DAMS (600mm CENTRE HEIGHT)		
2% OR LESS	24	30		
2% TO 4%	12	15		
4% TO 7%	8	11		
7% TO 10%	5	6		
OVER 10%	USE STABILISED CHANNEL	USE STABILISED CHANNEL		

# **ROCK CHECK DAM**



SEDIMENT RETENTION POND

**FAST-TRACK CONSENT** 



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ASSURED

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99 TOTARA ROAD DEVELOPMENT

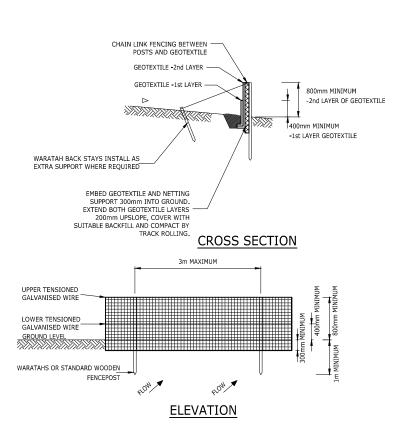
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# EROSION SEDIMENT CONTROL PLAN STANDARD DETAILS SHEET 2 OF 3

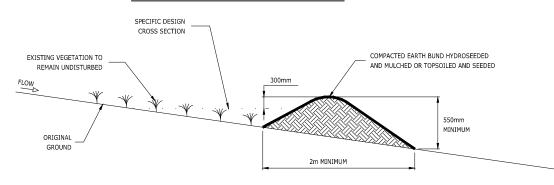
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# FOR FAST-TRACK CONSENT STAGE 1

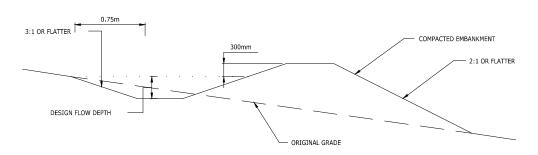
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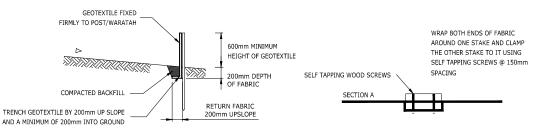
# SUPER SILT FENCE CONSTRUCTION



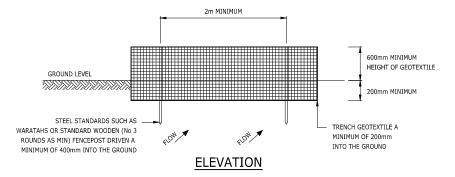
# CLEANWATER RUNOFF DIVERSION BUND - CROSS SECTION

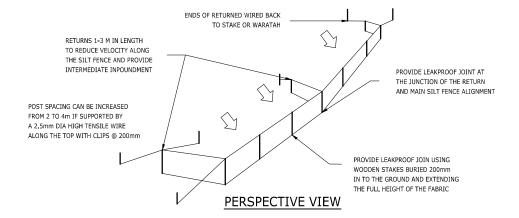


RUNOFF DIVERSION BUND - CROSS SECTION

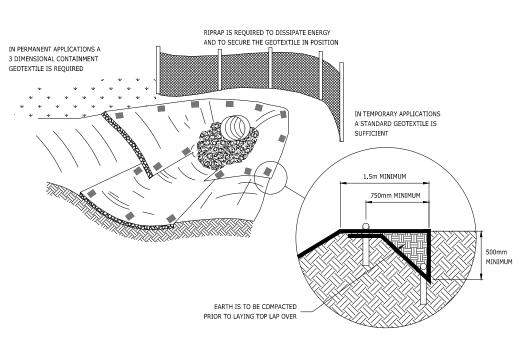


CROSS SECTION STANDARD FABRIC JOINT





SILT FENCE CONSTRUCTION



GEOTEXTILE AT CULVERT OUTLET

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99 TOTARA ROAD DEVELOPMENT

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# EROSION SEDIMENT CONTROL PLAN STANDARD DETAILS SHEET 3 OF 3

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