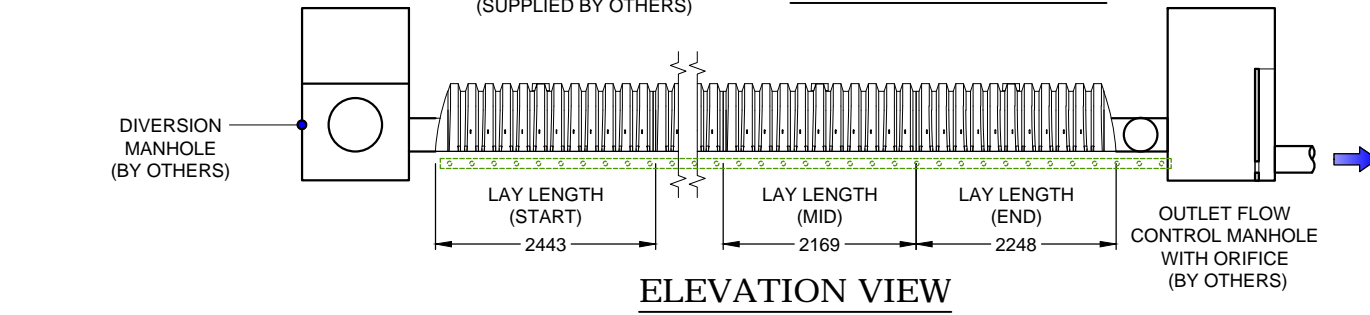


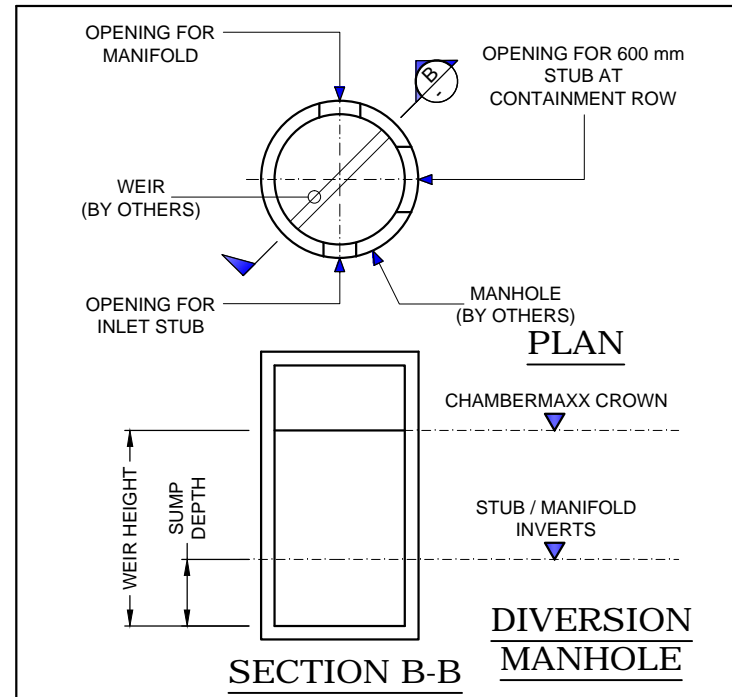
**PLAN VIEW
TYPICAL LAYOUT**



ELEVATION VIEW

CHAMBERMAXX DESIGN DETAILS				
FEATURE	START CHAMBER	MIDDLE CHAMBER	END CHAMBER	
OVERALL CHAMBER HEIGHT (mm)	770	770	770	
OVERALL CHAMBER WIDTH (mm)	1306	1306	1306	
ACTUAL LENGTH (mm)	2500	2311	2337	
INSTALLED LAY LENGTHS (mm)	2443	2169	2248	
CHAMBER STORAGE VOLUME (m3)	1.421	1.336	1.307	
CHAMBER STORAGE PER LINEAR METRE (m3/Lm)	0.582	0.616	0.582	
*MIN. INSTALLED CHAMBER VOLUME (m3)	2.211	2.127	2.098	
*MIN. INSTALLED CHAMBER VOLUME PER LINEAR METRE (m3/LMm)	0.905	0.981	0.934	
CHAMBER WEIGHT (Kg)	37.65	33.11	34.47	
*150mm OF STONE ABOVE AND BELOW CHAMBER, 142mm CHAMBER SPACING AND 40% POROSITY				

* SITE SPECIFIC DATA REQUIREMENTS	
FOR DETAILED DESIGN ASSISTANCE REFERENCE CHAMBERMAXX DYODS (DESIGN YOUR OWN DETENTION SYSTEM) SOFTWARE AND CHAMBERMAXX STAGE STORAGE CALCULATOR @ WWW.STORMWATER360.CO.NZ	
TOTAL REQUIRED STORAGE VOLUME (m3)	
DEPTH TO INVERT BELOW ASPHALT (m)	
LIMITING WIDTH (m)	
LIMITING LENGTH (m)	
POROUS STONE ABOVE CHAMBER (mm)	
POROUS STONE BELOW CHAMBER (mm)	
STONE POROSITY (0 TO 40%)	
MANIFOLD SYSTEM DIAMETER (mm)	
* PER ENGINEER OF RECORD	



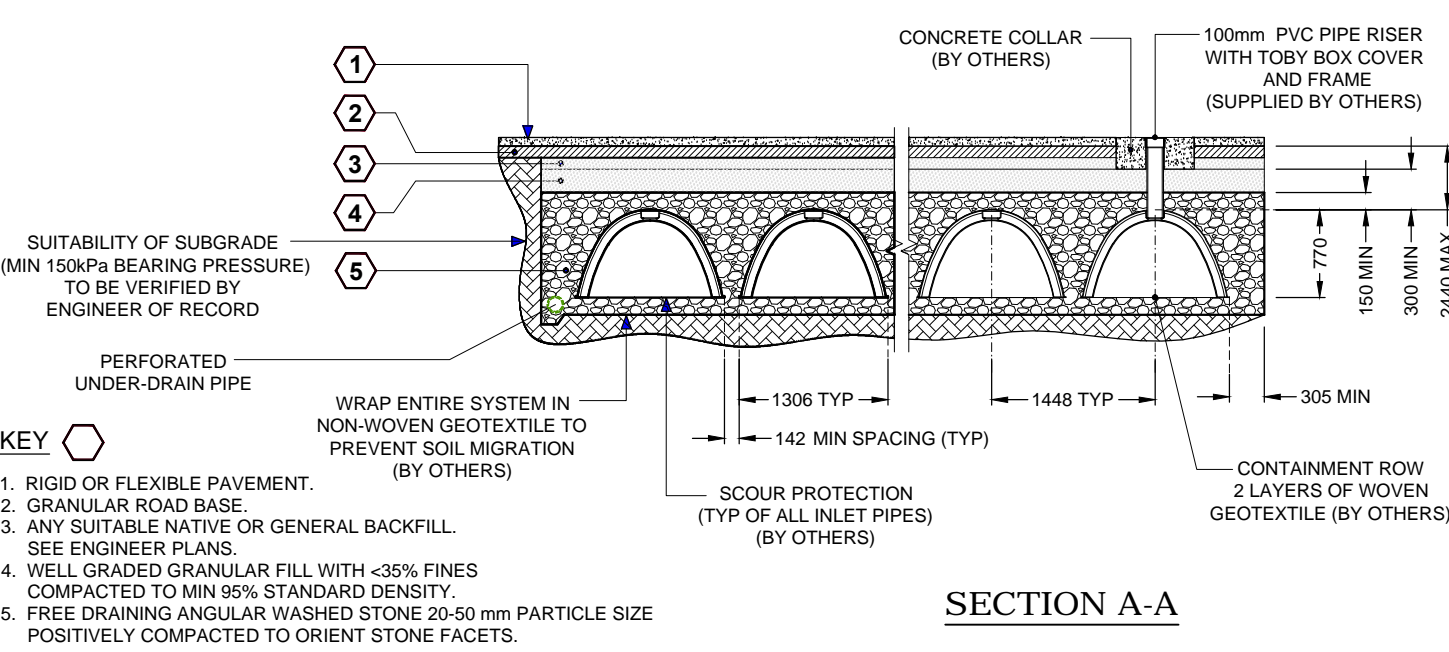
**SECTION B-B
DIVERSION MANHOLE**

GENERAL NOTES

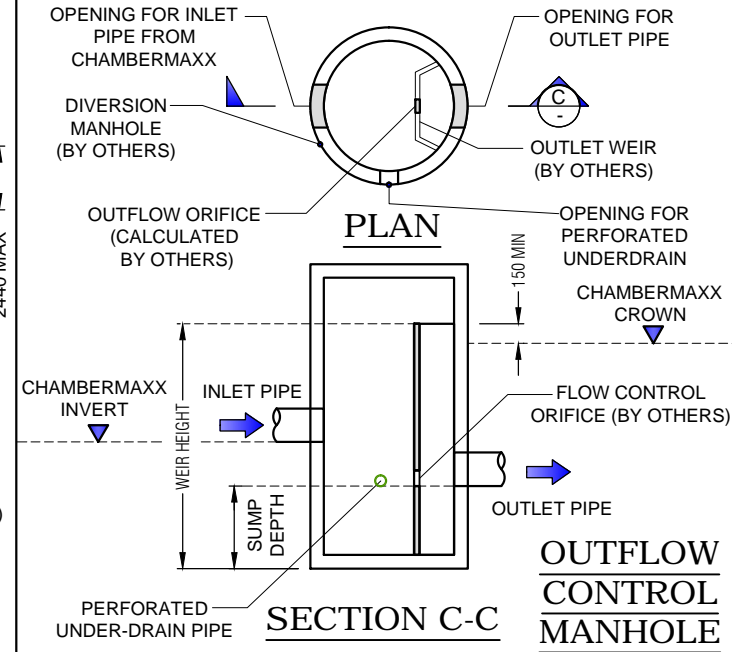
- STORMWATER360 TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- ALL ELEVATIONS, DIMENSIONS AND LOCATIONS OF RISERS AND INLETS SHALL BE VERIFIED BY THE ENGINEER OF RECORD.
- PRIOR TO INSTALLATION OF THE CHAMBERMAXX SYSTEM A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED. THOSE REQUIRED TO ATTEND ARE THE SUPPLIER OF THE SYSTEM, THE GENERAL CONTRACTOR, SUB-CONTRACTORS AND THE ENGINEER.
- CHAMBERMAXX CHAMBERS ARE MANUFACTURED FROM POLYPROPYLENE PLASTIC.
- CHAMBERMAXX SHALL MEET NZTA'S HN-HO-72 OR PER APPROVING JURISDICTION TRAFFICKED LOAD REQUIREMENTS. FOR LOWER LOADING LESS COVER IS REQUIRED.
- ACCESS COVER AND FRAME ARE TO BE RATED TO EITHER CLASS B (FOR PEDESTRIAN AREAS) OR CLASS D (TRAFFICKED ROADS) IN ACCORDANCE WITH AS 3996 : 2006.
- FOR HN-HO-72 LOADING MINIMUM COVER IS 550 mm TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT. FOR COVER HEIGHTS GREATER THAN 2440 mm CONTACT YOUR STORMWATER CONSULTANT VIA 0800 STORMWATER or sales@stormwater360.co.nz FOR MORE INFORMATION.
- FOR INFORMATION ON PRE-TREATMENT DEVICES CONTACT YOUR STORMWATER CONSULTANT VIA 0800 STORMWATER or sales@stormwater360.co.nz
- CHAMBERMAXX BY STORMWATER360 NEW ZEALAND

INSTALLATION NOTES

- CHAMBERMAXX INSTALLATION GUIDE TO BE REVIEWED BY CONTRACTOR PRIOR TO INSTALLATION.
- PRIOR TO PLACING BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, A TENSAR BX GEOGRID SHALL BE UTILIZED OR UNSUITABLE MATERIAL SHALL BE REMOVED AND BROUGHT BACK TO GRADE WITH FILL MATERIAL AS APPROVED BY THE ENGINEER OF RECORD. ONCE THE FOUNDATION PREPARATION IS COMPLETE, THE BEDDING MATERIAL CAN BE PLACED.
- THE SCOUR PROTECTION AND CONTAINMENT ROW UNDERLAY ARE TO BE MIRAFI PPW 325 OR EQUIVALENT STRENGTH CLASS C WOVEN GEOTEXTILE (AS PER NZTA'S F/7 SPECIFICATION). THE SCOUR PROTECTION LAYER IS TO EXTEND 300 mm BEYOND OUTSIDE EDGE OF INLET CHAMBERS.
- COVER ANY OPEN VOID SPACES GREATER THAN 20mm ON CHAMBERS WITH A29 BIDIM OR EQUIVALENT STRENGTH CLASS C + FILTRATION CLASS 3 NON-WOVEN GEOTEXTILE (AS PER NZTA'S F/7 SPECIFICATION) TO PREVENT INFILTRATION OF BACKFILL MATERIAL.
- STONE EMBEDMENT MATERIAL IS TO BE FREE DRAINING ANGULAR WASHED STONE 20-50 mm PARTICLE SIZE, AND PLACED IN 150 mm TO 200 mm LOOSE LIFTS AND POSITIVELY COMPACTED TO ORIENT STONE FACETS. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO LIFT DIFFERENTIAL BETWEEN ANY OF THE CHAMBERS AT ANY TIME DURING THE BACKFILLING PROCESS.
- GRANULAR BACKFILL MATERIAL SHALL BE WELL GRADED SOIL/AGGREGATE WITH <35% FINES AND PLACED IN 150MM LIFTS AND BE COMPACTED TO A MINIMUM 95% STANDARD DENSITY OR AS OTHERWISE INSTRUCTED BY ENGINEER OF RECORD. THE BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE CHAMBER SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON THE CHAMBERS.
- REFER TO CHAMBERMAXX INSTALLATION GUIDE FOR TEMPORARY CONSTRUCTION LOADING GUIDELINES.
- IT IS ALWAYS THE CONTRACTOR'S RESPONSIBILITY TO FOLLOW H&S GUIDELINES FOR SAFE PRACTICES.



SECTION A-A



**SECTION C-C
OUTFLOW CONTROL MANHOLE**

- KEY**
- RIGID OR FLEXIBLE PAVEMENT.
 - GRANULAR ROAD BASE.
 - ANY SUITABLE NATIVE OR GENERAL BACKFILL. SEE ENGINEER PLANS.
 - WELL GRADED GRANULAR FILL WITH <35% FINES COMPACTED TO MIN 95% STANDARD DENSITY.
 - FREE DRAINING ANGULAR WASHED STONE 20-50 mm PARTICLE SIZE POSITIVELY COMPACTED TO ORIENT STONE FACETS.

CHAMBERMaxx
PATENT PENDING

<p>Stormwater360 BETWEEN SKY AND SEA</p>	<p>0800 STORMWATER</p> <p>sales@stormwater360.co.nz</p> <p>www.stormwater360.co.nz</p>	<p>CONDITION OF USE</p> <p>© STORMWATER360 2018 Any unauthorised reproduction of this drawing in part or in full is prohibited</p>	<p>CHAMBERMAXX COMBINED STORMWATER DETENTION & RETENTION STANDARD DETAIL CONTAINMENT ROW OPTION</p>	<p>DRAWING</p> <p>1</p> <p>A</p>	<p>JOB NO :</p> <p>PROJECT :</p> <p>DEVICE # :</p> <p>DRN : R.P. 05.02.18</p> <p>CKD : T.B. 05.02.18</p>
	<p>SCALE : NTS</p> <p>DRG No : CM-SDR-STD-CRO</p>				