



PROPOSED LARGER BELOW GROUND INFILTRATION STRUCTURE. INFILTRATION STRUCTURE TO HAVE AN AREA OF APPROXIMATELY 52m² IN ORDER TO DRAIN AN AREA OF 230m². INFILTRATION STRUCTURE TO BE FILLED WITH TYPE B FILTER MEDIA IN ACCORDANCE WITH CLAUSE 505 OF SPECIFICATION FOR HIGHWAY WORKS TO ACHIEVE A POROSITY OF 30%. INFILTRATION TRENCH TO BE WRAPPED IN GEOTEXTILE SURROUND. 300mm OF TOP SOIL SHALL BE PLACED ABOVE THE INFILTRATION STRUCTURE FOR SURFACE WATER QUALITY MEASURES WHICH SHALL ALLOW FOR WELL ESTABLISHED VEGETATION TO FORM.

PROPOSED HYDROGEN PRODUCTION FACILITY

PROPOSED SMALLER BELOW GROUND INFILTRATION STRUCTURE. INFILTRATION STRUCTURE TO HAVE AN AREA OF APPROXIMATELY 21m² IN ORDER TO DRAIN AN AREA OF 90m². INFILTRATION STRUCTURE TO BE FILLED WITH TYPE B FILTER MEDIA IN ACCORDANCE WITH CLAUSE 505 OF SPECIFICATION FOR HIGHWAY WORKS TO ACHIEVE A POROSITY OF 30%. INFILTRATION TRENCH TO BE WRAPPED IN GEOTEXTILE SURROUND. 300mm OF TOP SOIL SHALL BE PLACED ABOVE THE INFILTRATION STRUCTURE FOR SURFACE WATER QUALITY MEASURES WHICH SHALL ALLOW FOR WELL ESTABLISHED VEGETATION TO FORM.

150mm DIAMETER PIPES TO BE INSTALLED AT THE BASE OF THE FIRE WALL AT A MAXIMUM OF 5m CENTRES TO ALLOW SURFACE WATER RUNOFF TO DRAIN THROUGH THE WALL AND INTO THE INFILTRATION STRUCTURES.

WHERE THE PIPEWORK THROUGH THE WALL IS INSTALLED THE LEVELS ON THE CONCRETE SLAB SHALL ADJUSTED SO THAT A FALL IS ENGINEERED TOWARDS THE PIPEWORK SO THAT NO PONDING WATER OCCURS ON THE SURFACE AND THERE IS NO RESTRICTION TO THE FLOW.

WEIGHBRIDGE

PARKING

OFFICES

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NOTES

1. ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM.
2. DO NOT SCALE FROM THIS DRAWING.
3. ANY ANOMALIES IDENTIFIED WITH THE DETAILS SHOWN ON THIS DRAWING ARE TO BE BROUGHT TO THE ATTENTION OF SIRIUS ENVIRONMENTAL PRIOR TO CONSTRUCTION WORKS COMMENCING.
4. THE EXISTING CONCRETE HARDSTANDING AREAS SHALL CONTINUE TO DRAIN TO THE EXISTING SURFACE WATER DRAINAGE SYSTEM AS CURRENTLY DOES ON SITE.
5. ONLY THE PROPOSED CONCRETE SLAB EXTENSION SHALL DRAIN TO THE INFILTRATION STRUCTURES.

KEY

- 150mm PIPEWORK
- FILTRATION GEOTEXTILE
- PROPOSED CONCRETE EXTENSION
- EXISTING CONCRETE HARDSTANDING
- INFILTRATION STRUCTURE
- TYPE B FILTER MEDIA
- TOP SOIL

REV	DESCRIPTION	DATE	BY
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CLIENT

PROTIUM



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JOB TITLE

MARGRAM HYDROGEN PRODUCTION FACILITY

DRAWING TITLE

SURFACE WATER GENERAL ARRANGEMENT

DRAWN	DATE	APPROVED	DATE
J.D	04/04/2024	A.K	04/04/2024
SCALE	SHEET	DRAWING NUMBER	REVISION
1:250	A1L	PRO1002/01/01	0

