

- SELECTED EXCAVATED MATERIAL IF SEEN _____ SUITABLE BY THE SITE ENGINEER.
- BACKERBOARD HD (IS A PREMOULDED BOARD FOR USE AS PROTECTION AGAINST BACKFILL)

ESS PLUVIAL CUBE MODULE (500 mm LONG x 500 mm WIDE X VARIES mm HIGH) ARRANGEMENTS AS SHOWN. MODULES CAN BE SECURED AS A 'HOUSE KEEPING' MEASURF WITH PLASTIC PROPERTY CABLE TIES.

TO PROTECT THE GEOMEMBRANE DURING BACKFILLING OPERATION,
OVERLAY THE TOP AND SIDES WITH GEOTEX 300 PP NEEDLE
PUNCHED NON-WOVEN PROTECTION GEOTEXTILE WITH A LAPPED
JOINTS (AS SUPPLIED BY ALDERBURGH LIMITED).



TYPICAL INLET PIPE CONNECTION

TYPICAL DETAILS OF SOAKAWAY USING PLUVIAL CUBE MODULE UNITS



STANTON HEAVY DUTY DUCTILE IRON DOUBLE TRIANGULAR
-SURFACE BOX (OR SIMILAR APPROVED), 160 x 160 CLEAR
OPENING, 100 FRAME DEPTH, 1 ON 10 THICK MOTAR BED.
-160 x 160 ST4 MASS CONCRETE

INLET/OUTLET PIPES MUST BE SUPPORTED WITH CONCRETE TO PROTECT IT DURING BACKFILLING

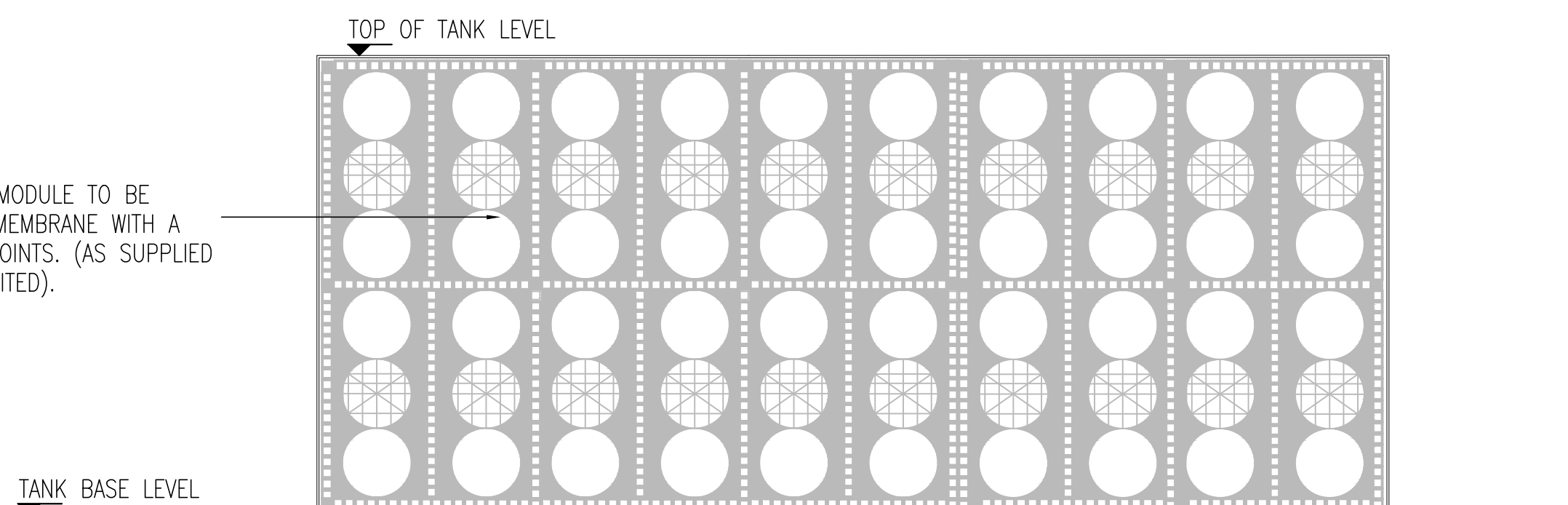
THE CONTRACTOR SHALL PROHIBIT THE MOVEMENT OF CONSTRUCTION PLANT ACROSS THE STORAGE TANK AND WHERE NECESSARY PROVIDE ADDITIONAL SUPPORT AND PROTECTION TO THE STRUCTURE. PARTICULARLY POST CONSTRUCTION. TEMPORARY FENCING CAN BE USED TO PROHIBIT TRADE STOCKS, PILING MATERIALS, HEAVY PLANTS ETC..

(BY OTHERS)

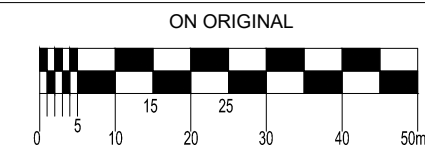
VENT PIPES TO BE LOCATED IN
LANDSCAPE AREAS PREFERABLY OR TO
BE CONNECTED TO THE NEAREST
MANHOLE WITH A VENTED COVER.

160 mm Ø PIPE TO ALLOW ACCESS
INTO THE PLUVIAL CUBE MODULE TANK
UNIT FOR CCTV CAMERA ACCESS AND
FLUSHING IF NECESSARY

ESS PLUVIAL CUBE MODULE TO BE WRAPPED WITH GEOMEMBRANE WITH A LAP HEAT WELDED JOINTS. (AS SUPPLIED BY ALDERBURGH LIMITED).



TYPICAL DETAILS OF SOAKAWAY USING PLUVIAL CUBE MODULE
UNITS
SECTION A-A



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NOTES

7. FILL PIPE SHALL MEAN CAST OR SPUN CONCRETE OR PLASTIC.
8. FLECKED PIPE SHALL MEAN PILES OF STEEL, PAVEMENT OR CLAY OR DUCTILE IRON.
9. CONCRETE COVERS TO HAVE MINIMUM COVER OF 50mm MIN. WITH MINIMUM CEMENT CONTENT OF 260kg/M³ MAXIMUM CURVE RATIO OF 0.85 AND SLUMP CLASS S2.
10. CONCRETE COVERAGE TO HAVE A MINIMUM CEMENT CONTENT OF 280kg/M³ MAXIMUM WATER CEMENT RATIO OF 0.85 AND SLUMP CLASS S2.
11. ALL DETAILS OF TRENCH SHALL BE TO THE SATISFACTION OF THE ENGINEER.
12. ALL BUILDINGS SHALL BE FOUNDATION. REFER TO STRUCTURAL DRAWINGS.
13. ALL PILES WITH LESS THAN 12m COVER UNDER GRASS AREAS AND ALL PILES WITH LESS THAN 15m COVER UNDER PAVED AREAS SHALL BE CONSIDERED AS EXPOSED TO TRENCHES EXISTING ROADS. WHERE REQUIRED BY THE LOCAL AUTHORITY TO GRADE COVERS CONCRETE.
14. TRENCH DETAILS ARE REFERENCED FROM:
GREATER DRAINAGE REGION: DRAINAGE PRACTICES FOR DRAINAGE WORKS:
* THROUGH CONSTRUCTION DETAILS
* SOLE RECOMMENDATIONS FOR SITE DEVELOPMENT
* BUILDING REGULATIONS
15. ALL ROCKS OTHER THAN TRENCH BOTTOMS ENCLOSED. THE GRANULAR BACKFILL MATERIAL SHALL BE IN COMPLIANCE WITH CLAUSE 808
16. ALL TRENCHES SHALL BE TO THE SATISFACTION OF THE ENGINEER. THE GRANULAR BACKFILL SHALL BE PLACED UNIFORMLY ON EITHER SIDE OF THE PIPE IN LAYERS NOT EXCEEDING 100mm. EACH LAYER BEING COMPACTED BY HAND TAMPING UNTIL THE PIPE HAS MINIMUM OF 300mm COMPACTED COVER.
17. ALL TRENCHES THAT ARE DEEPER THAN 1500mm SHALL BE TO NOT DISPLACE THE PIPE FROM ITS CORRECT LINE AND LEVEL. SUBSEQUENT LAYERS OF GRANULAR FILL TO BE WELL COMPACTED IN 150mm thick LAYERS TO THE LOCAL AUTHORITY ROAD INSPECTION SPECIFICATION. MECHANICAL COMPACTATION SHALL NOT BE USED IN TRENCHES. THERE IS A MINIMUM OF 50mm COMPACTED COVER OVER THE CROWN OF THE PIPE.
18. SELECTED FILL SHALL BE FREE FROM STONES LARGER THAN 30mm. LAMPS OF GREATER THAN 30mm SHALL BE PLACED UNIFORMLY ON EITHER SIDE OF THE PIPE. SELECTED FILL SHALL BE PLACED UNIFORMLY ON EITHER SIDE OF THE PIPE IN LAYERS NOT EXCEEDING 100mm. EACH LAYER BEING COMPACTED BY HAND TAMPING UNTIL THE PIPE HAS A MINIMUM OF 150mm COMPACTED COVER.
19. ALL TRENCHES SHALL BE TO THE SATISFACTION OF THE ENGINEER. THE GRANULAR BACKFILL CAN BE PLACED AND COMPACTED IN 150mm thick LAYERS.
20. SELECTED BACKFILL MATERIAL, SUITABLE FOR BACKFILL ABOVE SELECTED FILL SHALL BE FREE FROM STONES LARGER THAN 30mm. LAMPS OF GREATER THAN 30mm SHALL BE PLACED UNIFORMLY ON EITHER SIDE OF THE PIPE. SELECTED FILL SHALL BE PLACED UNIFORMLY ON EITHER SIDE OF THE PIPE IN LAYERS NOT EXCEEDING 100mm. EACH LAYER BEING COMPACTED BY HAND TAMPING UNTIL THE PIPE HAS A MINIMUM OF 450mm COMPACTED COVER OVER THE CROWN OF THE PIPE.
21. TRENCH ABOVE PILES WITH LESS THAN 150mm COVER TO BE BACKFILLED WITH CONCRETE TO FORM A COVER.
22. SURFACING TO BE IN ACCORDANCE WITH THE ROAD SPECIFICATION AND, IF APPROPRIATE, LOCAL AUTHORITY REQUIREMENTS.
23. WHERE CLASS 9/1/62 CARPING MATERIAL IS PROPOSED WITHIN 500m OF TRENCHES, CLASS 9/1/62 CARPING MATERIAL SHALL BE USED.

NOTE:
ALL WORKS & SPECIFICATIONS TO BE
UNDERTAKEN IN ACCORDANCE WITH

- TII SPECIFICATION FOR ROADWORKS
- RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS

NOTE:
FOR WATERMAIN DETAILS REFER TO
IRISH WATER CONNECTION
AGREEMENT & IRISH WATER 'WATER
INFRASTRUCTURE STANDARD
DETAILS' & CODE OF PRACTICE

NOTE:
FOR DETAILS OF FOUL SEWER MANHOLES
REFER TO IRISH WATER CONNECTION
AGREEMENT & IRISH WATER
'WASTEWATER INFRASTRUCTURE
STANDARD DETAILS' & CODE OF PRACTICE

P02	05/04/22	PLANNING SUBMISSION	MWM	V
P01	28/03/22	FOR PLANNING	MWM	V
rev	date	description	by	ch
client approval		A - Approved		
		B - Approved with comments		
		C - Do not use		

suitability		issue purpose	
S2 - INFORMATION		PLANNING	



DBFL Consulting Engineers
Civil, Structural & Transportation Engineering
www.dbfl.com

DUBLIN OFFICE: Ormond House, Upper Ormond Quay, Dublin 7. D07 W704
PHONE +353 1 403 4000

CORK OFFICE: 14 South Mall, Cork, T12 CT91
PHONE +353 21 2024538

WATERFORD OFFICE: Suite 8b The Atrium, Merlans Gate, Canada Street,
PHONE +353 51 308 500

project re

HEADFORD ROAD HOUSING,
GALWAY

drawing ti

SURFACE WATER STANDARD
DETAILS-SHEET 5

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GALWAY CITY COUNCIL

designed by MWM	author BC	scale AS SHOWN	sheet size A1
drawing no. 190048-DBFL-SW-SP-DR-C-5015			revision P02