

## Appendix

### D. Drawings

THE PROPOSED DEVELOPMENT IS FOR THE CONSTRUCTION OF RESIDENTIAL AND COMMERCIAL PURPOSE STRUCTURES OVER GREENFIELD LAND.

THE TOTAL PROPOSED IMPERMEABLE AREA IS APPROXIMATELY 0.71HA. THIS IS COMPOSED OF THE STRUCTURES (GLAMPING TENTS, STABLES), HARDSTANDING (ACCESS ROAD, PARKING, VANS PARKING) AND AN ADDITIONAL CONSERVATIVE 50% OF THE GENERAL TENT AREA TO ASSUME FULL OCCUPANCY.

THE GEOLOGY AT THE SITE IS PREDOMINANTLY CLAY AND ALSO GIVEN THE NUMEROUS WATERCOURSES IN THE WIDER AREA IT IS DEEMED THAT INFILTRATION WOULD NOT BE SUITABLE AS A MAIN METHOD FOR SURFACE WATER DISCHARGE. HOWEVER, IT IS SUGGESTED TO ALLOW ANY SUDS STRUCTURES TO INFILTRATE RUNOFF INTO THE SUBGRADE TO PROMOTE INFILTRATION AND VEGETATION GROWTH.

THE PROPOSED DISCHARGE LOCATION IS TO AN EXISTING PIPE CROSSING THE SITE NORTH TO SOUTH (PIPE DETAILS TBC AT DETAILED DESIGN), LINKING TWO DITCHES AT THE RESPECTIVE ENDS.

THE GREENFIELD QBAR RATE OF THE PROPOSED IMPERMEABLE AREA IS 2.9 l/s. IT IS SUGGESTED TO CONTROL RUNOFF AT 2.9 l/s DURING THE 1 IN 100 YEAR + 40%CC RAINFALL EVENT THROUGH A Ø39mm ORIFICE PLATE.

IT IS SUGGESTED TO ATTENUATE RUNOFF WITHIN PERMEABLE PAVING/GRAVEL PAVING SUB-BASE (0.3 VOID RATIO) PLACED BENEATH THE PROPOSED HARDSTANDING. SUBJECT TO FINAL SITE LEVELS, LANDSCAPING REQUIREMENTS AND FURTHER DETAILED INFORMATION IT WOULD BE POSSIBLE TO PARTLY USE OPEN WATER SUDS FEATURES (IE POND, SWALES).

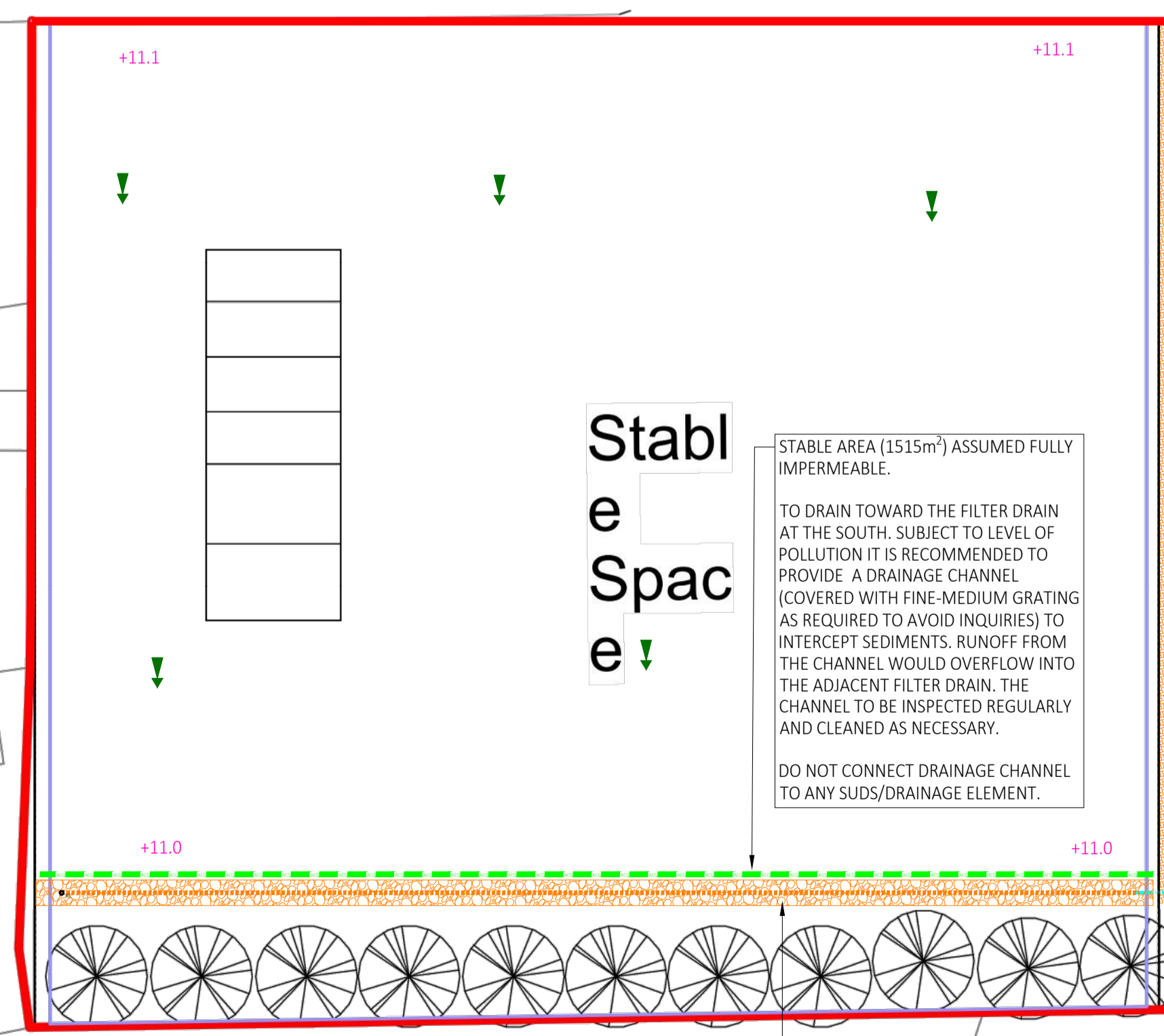
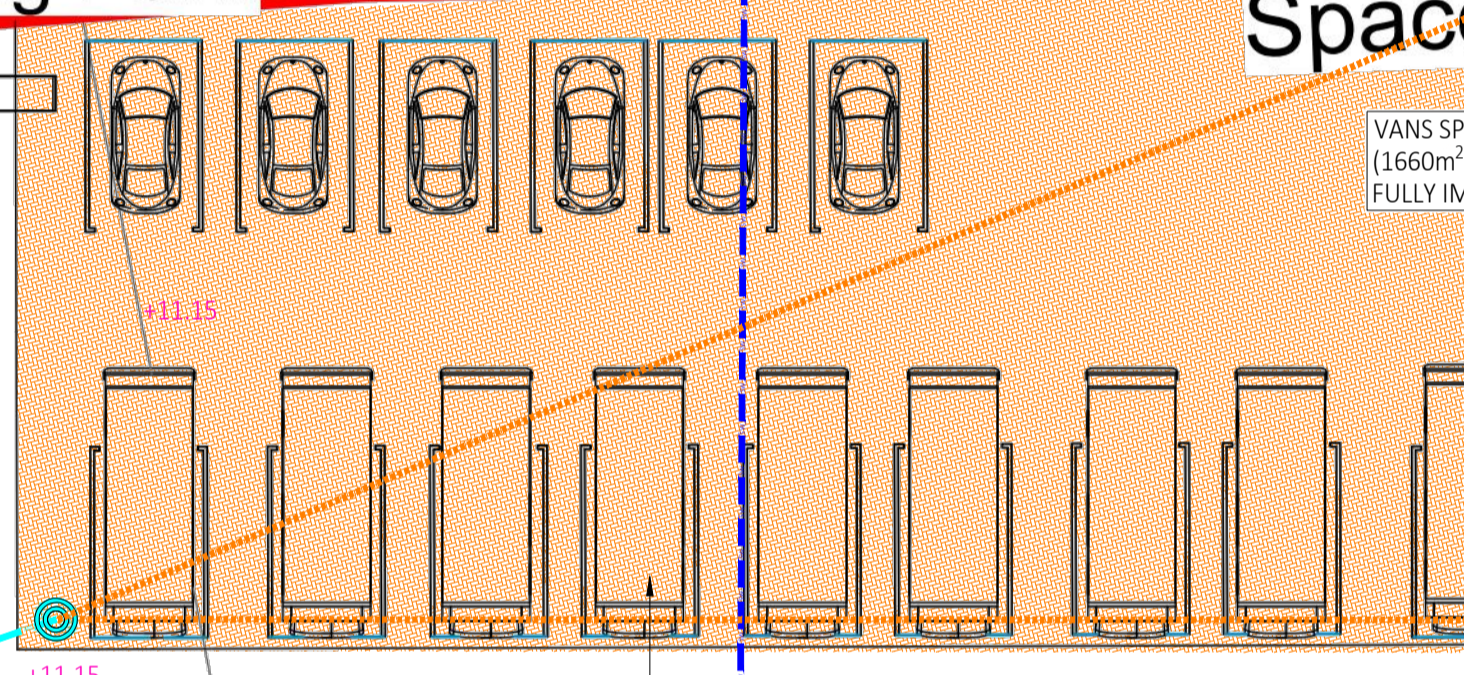
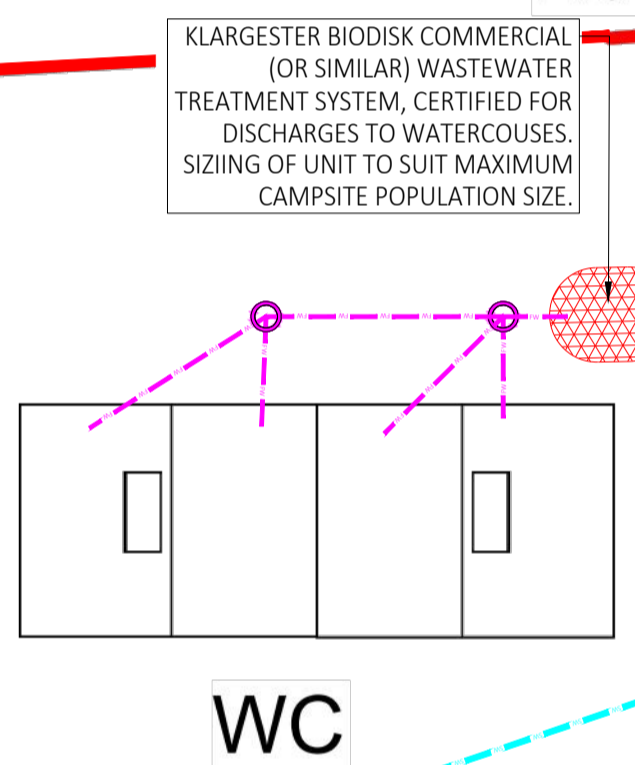
THE PROPOSED FOUL WATER DRAINAGE SCHEME IS FOR THE USE OF KINGSPAN BIODISK (OR SIMILAR) DOMESTIC/COMMERCIAL UNITS WITH EFFLUENT ADEQUATE FOR DISCHARGES TO WATERCOURSES.

SEE ADDITIONAL INFORMATION AND CALCULATIONS IN AMBIENTAL REPORT 6732.

Grange Farm

Waste and Recycling Point

Vans Space



Existing Site Electric Pole TBC By Client

Tents Space

LEGEND

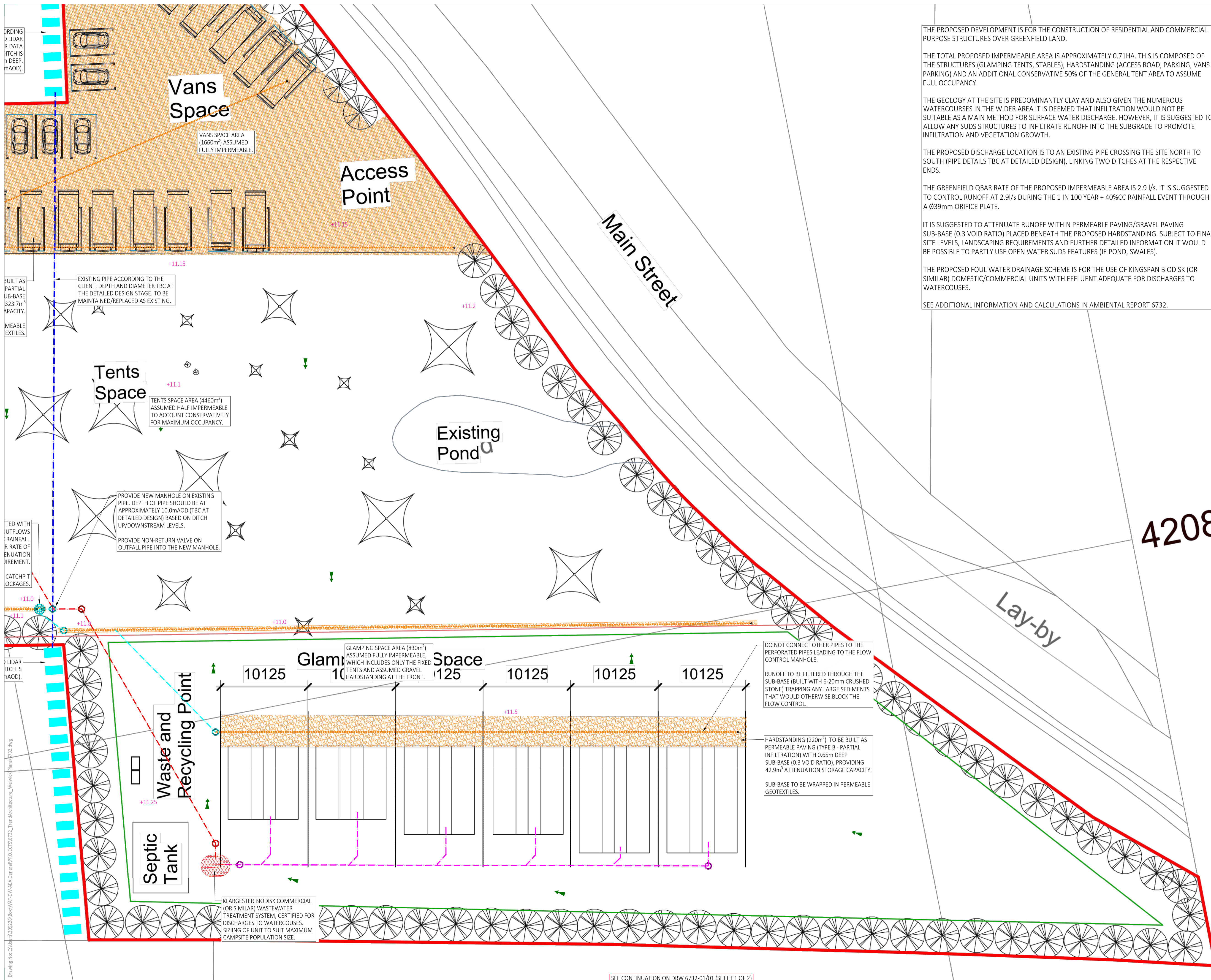
	SURFACE WATER DRAIN
	PERFORATED SURFACE WATER DRAIN
	EXISTING SURFACE WATER DRAIN
	SLOT/CHANNEL DRAIN
	FOUL WATER DRAIN
	TREATED FOUL WATER DRAIN
	TYPE 2 SURFACE WATER MANHOLE
	TYPE 3 SURFACE WATER INSPECTION CHAMBER
	TYPE 4 SURFACE WATER INSPECTION CHAMBER
	TYPE 3 FOUL WATER INSPECTION CHAMBER
	TYPE 3 TREATED FOUL WATER INSPECTION CHAMBER
	RODDING EYE
	PERMEABLE PAVING
	FILTER DRAIN/GRAVEL PAVING
	OVERLAND FLOW
	PROPOSED LEVEL

REV	DATE	BY	APP	DESCRIPTION
<b>PRELIMINARY DRAWING</b> FOR INFORMATION ONLY. NOT FOR CONSTRUCTION.				
Client: TREND ARCHITECTURE				
Project: <b>AMBIENTAL</b> ENVIRONMENTAL ASSESSMENT a company of Royal HaskoningDHV				
Project: LAND NEXT TO GRANGE FARM, HU12 OSA PROJECT NO. 6732				
Drawing: SURFACE WATER DRAINAGE STRATEGY PRELIMINARY LAYOUT				

Drawn by: SD Date: JUNE-2022  
 Drawing No: 6732-01/01 (SHEET 1 OF 2)  
 Drawing Scale: 1:100 @ A1  
 0 1m 2m 3m 4m 5m

Drawing No: C:\Users\3062228\OneDrive\Work\A&E\General\PROJECTS\6732\_TrendArchitecture\_Welwick\Plans\6732.dwg

SEE CONTINUATION ON DRW 6732-01/02 (SHEET 2 OF 2)



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SEE ADDITIONAL INFORMATION AND CALCULATIONS IN AMBIENTAL REPORT 6732.

1. GENERAL
- a. THIS DRAWING IS NOT TO BE SCALED, WORK TO FIGURED DIMENSIONS ONLY, CONFIRMED ON SITE.
- b. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL DRAWINGS, DETAILED SPECIFICATIONS WHERE APPLICABLE AND ALL ASSOCIATED DRAWINGS IN THIS SERIES.
- c. ANY DISCREPANCY ON THIS DRAWING IS TO BE REPORTED IMMEDIATELY TO THE PARTNERSHIP FOR CLARIFICATION.
- d. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY WORKS AND FOR THE STABILITY OF THE WORKS IN PROGRESS.
- e. CDM REGULATIONS 2015. ALL CURRENT DRAWINGS AND SPECIFICATIONS MUST BE READ IN CONJUNCTION WITH THE DESIGNER'S HAZARD RISK AND ENVIRONMENTAL ASSESSMENT RECORD. DESIGN HAS BEEN PRODUCED BASED ON INFORMATION PROVIDED BY THE CLIENT/PRINCIPLE DESIGNER AVAILABLE AT TIME OF ISSUE. CONTRACTOR TO REVIEW DRAWING AND SPECIFICATION IN CONTEXT WITH THE WIDER SITE AND SPECIFIC SITE INVESTIGATION, CONTAMINATION ASSESSMENT, ASBESTOS SURVEY, ENVIRONMENTAL SURVEY, UXO SURVEY AND ANY OTHER RELEVANT INFORMATION AND MANAGE RISKS RELATING TO THE WORKS OUTLINED IN THE DRAWINGS AND SPECIFICATION. PRINCIPLE CONTRACTOR TO MAKE DESIGNER AND CLIENT AWARE OF SITE SPECIFIC RISKS THAT MAY AFFECT THE DRAWING AND SPECIFICATION.
- f. CDM REGULATIONS 2015. FOR GENERIC MAINTENANCE AND MANAGEMENT RISKS REFER TO CHAPTER 36 OF CIRIA 752 SUDS MANUAL. FOR PROPRIETARY SYSTEMS SEE MANUFACTURER'S MANAGEMENT AND MAINTENANCE DETAILS AND RISK ASSESSMENT WITH REGARDS TO MAINTENANCE OF PROPRIETARY SYSTEMS.

**LEGEND**

- SURFACE WATER DRAIN
- PERFORATED SURFACE WATER DRAIN
- EXISTING SURFACE WATER DRAIN
- SLOT/CHANNEL DRAIN
- FOUL WATER DRAIN
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- PERMEABLE PAVING
- FILTER DRAIN/GRAVEL PAVING
- OVERLAND FLOW
- PROPOSED LEVEL

REV. DATE. BY. CKD. APP. DESCRIPTION

**PRELIMINARY DRAWING**  
FOR INFORMATION ONLY. NOT FOR CONSTRUCTION.

Client: TREND ARCHITECTURE

**AMBIENTAL**  
ENVIRONMENTAL ASSESSMENT  
a company of Royal HaskoningDHV

Project: LAND NEXT TO GRANGE FARM, HU12 OSA  
PROJECT NO. 6732

Drawing: SURFACE WATER DRAINAGE STRATEGY  
PRELIMINARY LAYOUT

Drawn by: SD Date: JUNE-2022

Drawing No: 6732-01/02 (SHEET 2 OF 2) Revision: .

Drawing Scale: 1:100 @ A1  
0 1m 2m 3m 4m 5m

Drawing No: C:\Users\31062228\Box\WAT-DWA-SEA-General\PROJECTS\6732\_TrendArchitecture\_Wehwick\Plans\6732.dwg

SEE CONTINUATION ON DRW.6732-01/01 (SHEET 1 OF 2)