

Drawing Number TRA/3210/LA/42946

DO NOT SCALE - IF IN DOUBT ASK

THIRD ANGLE PROJECTION UNLESS OTHERWISE STATED

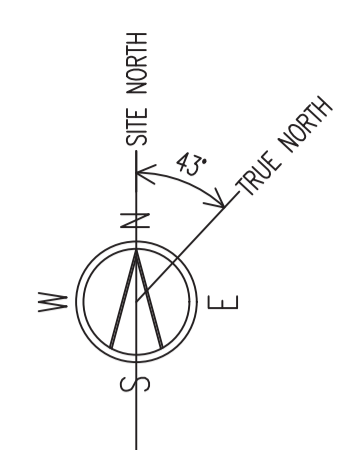
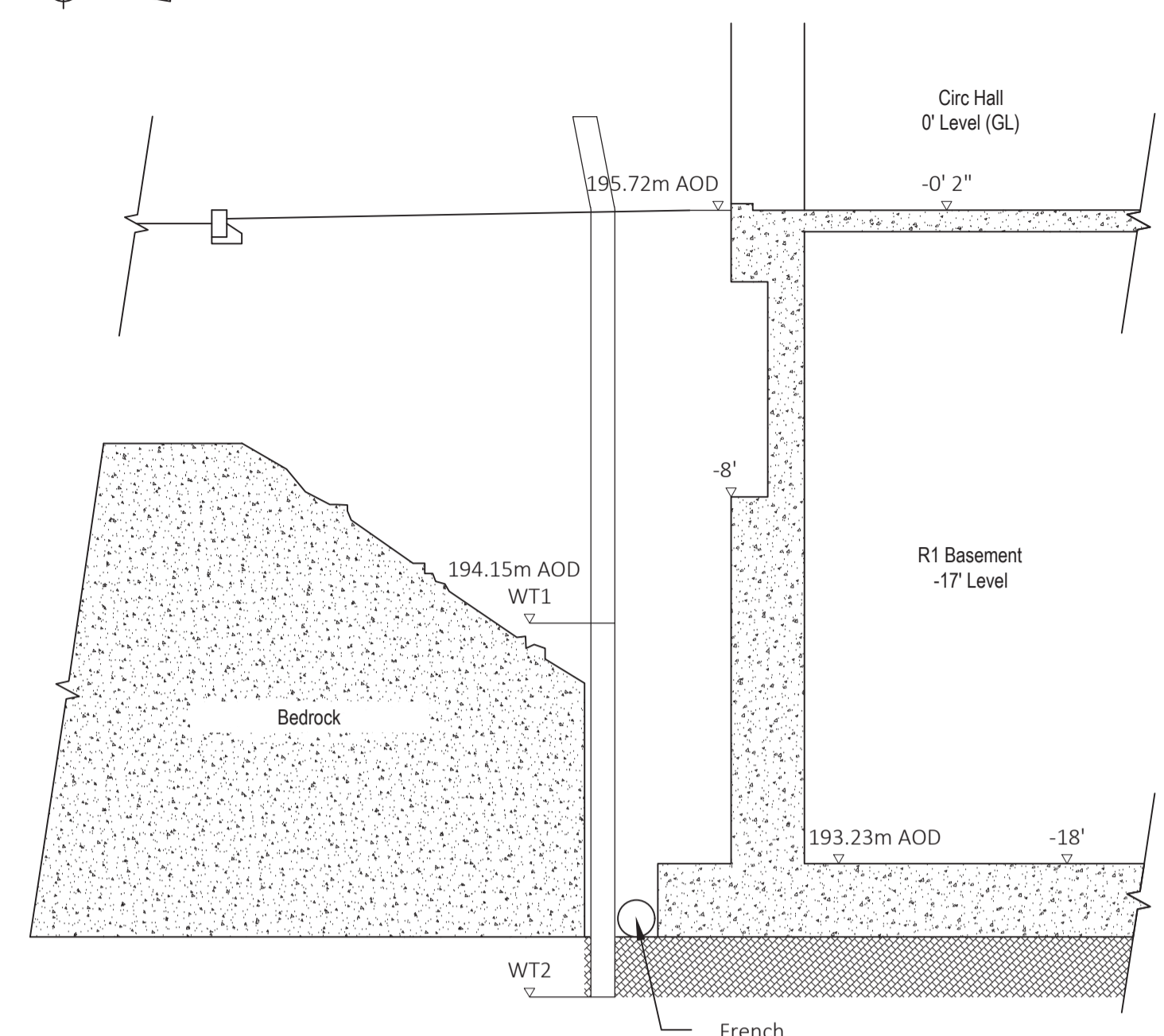
Table 1: De-watering Borehole Installation Summary

(m bgl)	BH1	BH2	BH3	BH4	BH5
Top of gravel pack	3.0	3.0	3.0	3.0	2.5
Top of screen	3.0	3.0	3.0	4.0	3.0
Top of fractured rock	5.5	5.0	Not identified	Not identified	5.5
Top of competent rock	6.0	6.0	6.0	5.0	Not identified*
Pump intake	6.2	6.2	6.2	6.2	6.2
Base of screen and borehole	7.5	7.5	7.5	7.5	6.2

Table 2: Hourly Average Flow Rate Observed

Summary October 23 to October 24	Abstraction Rate m3/hr
Winter Average	5.7
Summer Average	3.2

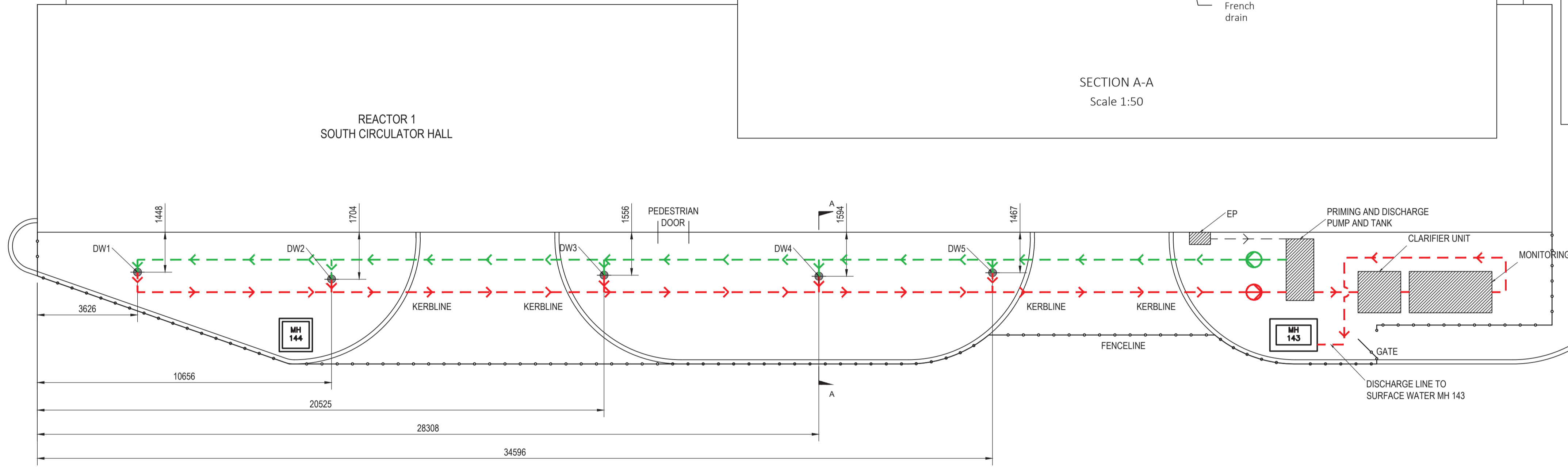
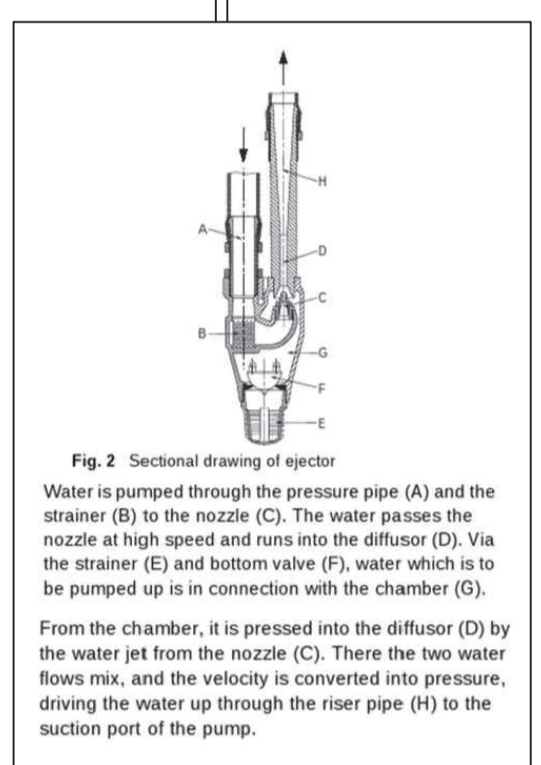
- KEY
- WT1 WATER TABLE PRE DE-WATERING
 - WT2 WATER TABLE DURING DE-WATERING
 - DE-WATERING PIPEWORK & FLOW DIRECTION
 - DW2 DE-WATERING WELL POINT



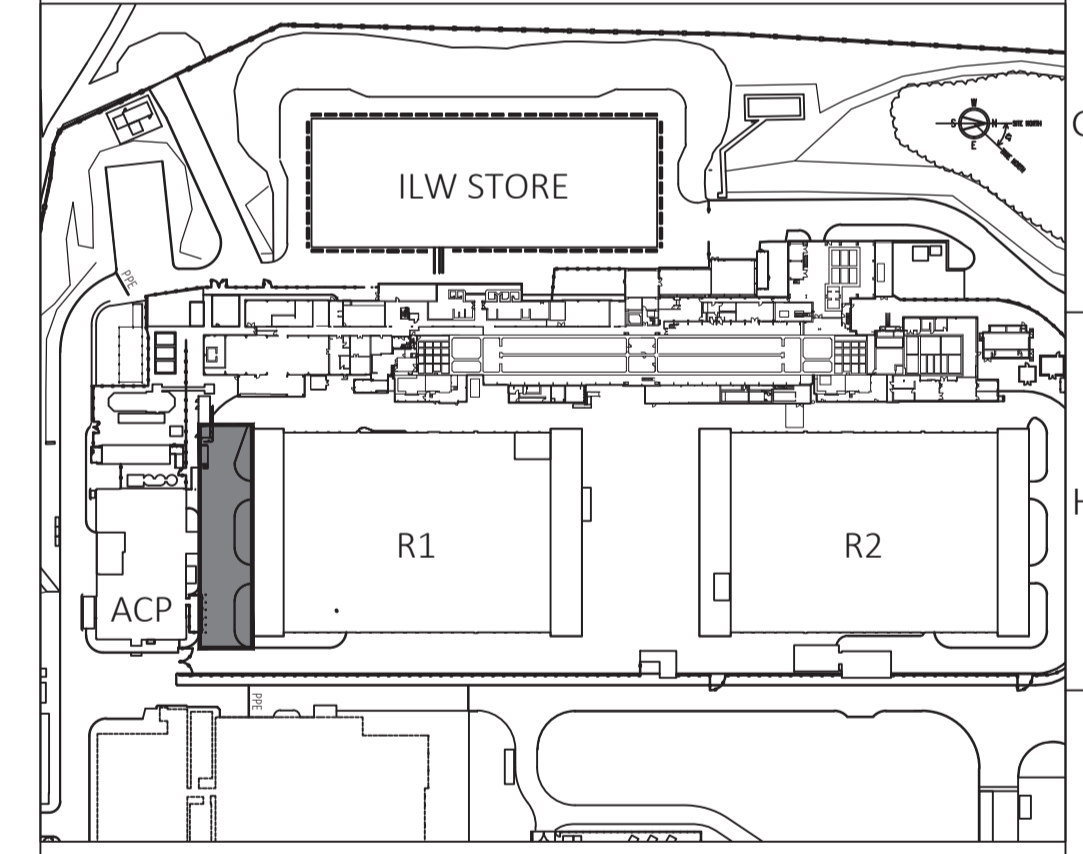
- NOTES:
- ALL DIMENSIONS ARE IN MM.
 - POSITION OF WELL POINTS AND APPARATUS IS AS-BUILT.
 - DRAWING TO BE READ IN CONJUNCTION WITH THE SOUTH DE-WATERING SYSTEM LAYOUT PROCESS DIAGRAM (TRA/3210/PD/46147).

- DE-WATERING SYSTEM:
- FIVE DE-WATERING WELLS INSTALLED EVENLY ALONG THE BASEMENT CUT FOR REACTOR 1 SOUTH BASEMENT WALL.
 - WELLS OPERATE BY IN WELL VENTURI EDUCTOR HEAD, DEPTHS STARTED AS 'PUMP INTAKE' LEVEL IN TABLE 1. TABLE 1 DIMENSIONS ARE DEPTHS IN M FROM GROUND LEVEL.
 - INJECTOR SUPPLY WATER - (DEMCO HDPE 110MM X SDR11 WATER PIPE) FROM PRIMING TANK VIA ELECTRIC PUMP (LOWARA 15SV09F075T/D).
 - GRUNDFOS 22B EDUCTOR FOR DISCHARGE - (DEMCO HDPE 90MM X SDR11 WATER PIPE) FROM PRIMING TANK TO SILTBUSTER (LOWARA 10SV05F02T/D).
 - CLARIFIER UNIT PRIOR TO DISCHARGE INTO MONITORING TANK. SILTBUSTER HB40 UNIT HAS A SETTLEMENT AREA OF 40M² AND AN OPERATING RANGE OF 1 TO 40M³/HOUR.
 - MONITORING TANK IS CONSTRUCTION SETTLEMENT TANK FOR FINAL VISUAL MONITORING PRIOR TO DISCHARGE.
 - DISCHARGE INTO EXISTING SURFACE WATER SYSTEM, MH143.
 - DISCHARGE RATE AS NOTED IN TABLE 2.

- WELL POINT DETAILS:
- DETAILS OF WELLS ARE PROVIDED IN TABLE 1.
 - DIAMETER - 200MM OD.
 - SEALING MATERIAL IS BENTONITE.
 - GRAVEL IS NON-CALCAREOUS PEA GRAVEL.



GRUNDFOS EDUCTOR CONFIGURATION



LOCATION PLAN Scale 1:2000

Contractor Details

NRE/SEIP Acceptance Signature required only when contractor details present.

DRAWING ENTERED ON SITE REGISTER

Office 13/10/25



NRS Limited
Hinton House Birchwood
Park Avenue, Birchwood,
Warrington, Cheshire,
England,
WA3 6GR

Location TRAWSFYNYDD Project Number L28413

Title SOUTH DE-WATERING SYSTEM LAYOUT AS BUILT

Drawing Number TRA/3210/LA/42946 Issue 03

Modifications

Issue	HMW	SR	TS	HMW	NH	TS	DWJ	NH	RH
01			10/04/25						
02			22/07/25						
03			13/10/25						

FIRST ISSUE.
 UPDATED PUMP DETAILS.
 DISCHARGE LINE ROUTE FROM MONITORING TANK TO MH143
 UPDATED; DE-WATERING SYSTEM NOTES UPDATED.

Current Issue	Signature	Name	Date	Scope of Verification
Drawn by:	[Signature]	DW Jones	17/09/25	FUNCTIONALITY
Verified by:	[Signature]	N HAIRE	13.10.25	
Approved by:	[Signature]	RJ HUGHES	13/10/25	
Issue:	03	Drawing Status	Q.A. Grade	Classification
Date:	13/10/25	ISSUED	3	OFFICIAL

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ORIGINAL DRAWING SIZE A1
 CREATED IN AUTOCAD
 Scale 1:100
 DRAWING TO BS8888
 MIN. TEXT HEIGHT 2,5mm
 ALL DIMENSIONS ARE mm UNLESS OTHERWISE STATED