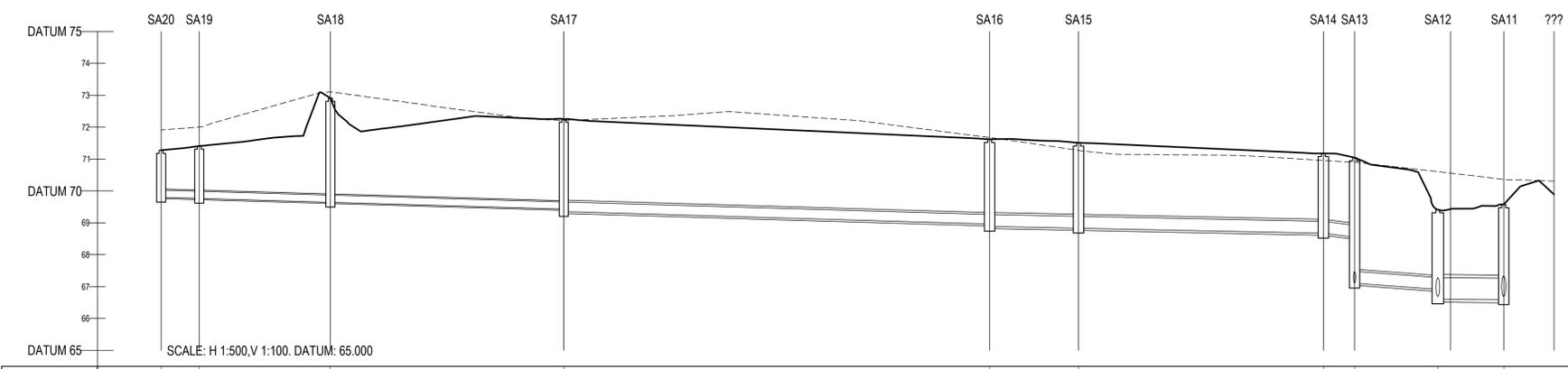


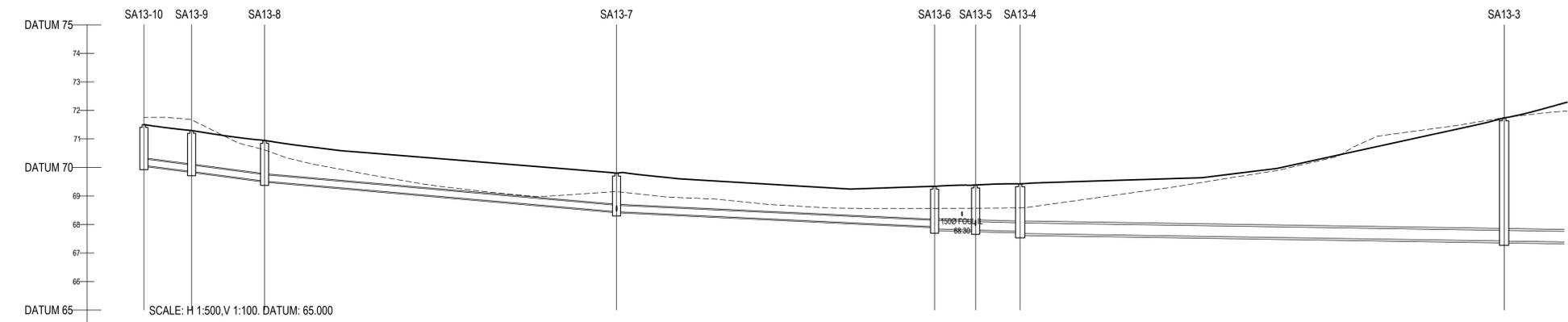
© COPYRIGHT OF THIS DRAWING IS RESERVED BY DBFL CONSULTING ENGINEERS. NO PART SHALL BE REPRODUCED OR TRANSMITTED WITHOUT THEIR WRITTEN PERMISSION.  
 NO CHANGES OF WHATSOEVER NATURE ARE TO BE MADE TO ANY DETAILS SET OUT OR CONTAINED IN ANY DBFL SPECIFICATIONS OR DRAWINGS UNLESS THE EXPRESS CONSENT HAS BEEN OBTAINED IN ADVANCE, IN WRITING, FROM DBFL.

- NOTES:
- ALL DRAWINGS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES
  - ALL LEVELS ARE IN METRES AND ARE RELATED TO ORDINANCE DATUM
  - CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF PAVEMENT LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE
  - ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE NRA SPECIFICATION FOR ROAD WORKS UNLESS NOTED OTHERWISE
  - THIS DRAWING IS FOR PLANNING PURPOSES ONLY
  - MANHOLE COVER LEVELS ARE TO CONFORM WITH FINISHED ROAD AND PATH LEVELS
  - WHERE COVER TO PIPE IS LESS THAN 1200mm (ROAD/PATH/VERGE) OR 900mm (OPEN SPACE) SURROUND PIPE IN MINIMUM 150mm CONCRETE

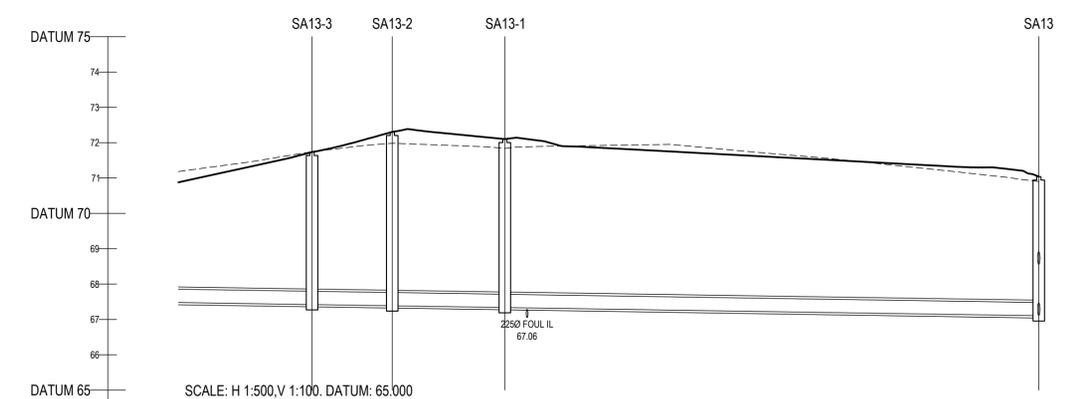


COVER LEVEL	71.276	71.410	72.910	72.32	71.618	71.507	71.177	71.043	69.415	68.573	???							
INVERT LEVEL	69.820 69.705	69.705 1.001	69.644 69.644	1.002	69.429 69.324	1.003	68.861 68.886	1.004	68.820 68.820	1.005	68.672 68.672 68.650	68.650 67.924	1.007	66.909 66.609	1.008	66.596 ???	???	???
DEPTH (m)	1.476	1.645	3.266		2.388		2.732		2.678		2.505	3.538		2.805		2.897	???	???
DISTANCE (m)	5.98	20.58		36.61		66.79		13.95		38.41	4.89	3.938	13.06		10.33	2.897	???	???
PIPE SLOPE	1:171	1:170		1:170		1:170		1:245		1:245	1:40	1:67		1:449		???	???	???
PIPE SIZE	225mm	225mm		225mm		300mm		375mm		375mm	375mm	375mm	375mm	675mm		???	???	???

KEY  
 - - - - - EXISTING GROUND PROFILE  
 \_\_\_\_\_ PROPOSED GROUND PROFILE



COVER LEVEL	71.503	71.296	70.946	69.798	69.340	69.383	69.425	71.737					
INVERT LEVEL	70.074 2.000	69.859 69.859	2.001 69.521	69.521 2.002	68.450 68.450	2.003	67.922 67.847 2.004	67.865 67.865 2.005	67.950 67.955	2.006	67.421 67.421	2.007	67.396
DEPTH (m)	1.429	1.408	1.425	1.348	1.483	1.579	1.740	4.316					
DISTANCE (m)	8.39	12.83		61.82		55.86	7.21	7.83		85.01		11.37	
PIPE SLOPE	1:39	1:38		1:106		1:170	1:174	1:322		1:325			
PIPE SIZE	225mm	225mm		225mm		300mm	300mm	375mm		375mm			



COVER LEVEL	71.737	72.304	72.102	71.043				
INVERT LEVEL	67.865	2.006	67.421 2.007	67.386 67.386	2.008	67.337 67.337	2.009	67.04
DEPTH (m)	4.316	4.918	4.766	3.929				
DISTANCE (m)	85.01	11.37	15.95	75.65				
PIPE SLOPE	1:322	1:325	1:325	1:325				
PIPE SIZE	375mm	375mm	375mm	375mm				

P01	01-09-22	STAGE 3 SHD PLANNING	GMC	BCM
rev	date	description	by	chkd.
client approval	A - Approved			
	B - Approved with comments			
	C - Do not use			
suitability	SO - WORK IN PROGRESS		PLANNING	
issue purpose	DBFL Consulting Engineers Civil, Structural & Transportation Engineering www.dbfl.ie			
DUBLIN OFFICE: Ormond House, Upper Ormond Quay, Dublin 7, D07 W704 PHONE: +353 1 450 4000 CORK OFFICE: Phoenix House, Monahan Road, Cork, T12 H1XV PHONE: +353 (0) 21 2024538 WATERFORD OFFICE: Suite 10 The Arkun, Maritime Gate, Canada Street, Waterford, X91 WC28 PHONE: +353 51 309 500				
project ref.				

ASHBOURNE SHD  
 drawing title  
 LONGITUDINAL SECTIONS THROUGH SURFACE WATER SHEET 3  
 client  
 ARNOLD LTD. & ASPECT HOMES (ADC) LTD  
 designed by BCM author GMC scale H 1:500, V 1:100 sheet size A1  
 drawing no. 200059-DBFL-SW-SP-DR-C-3303 revision P01