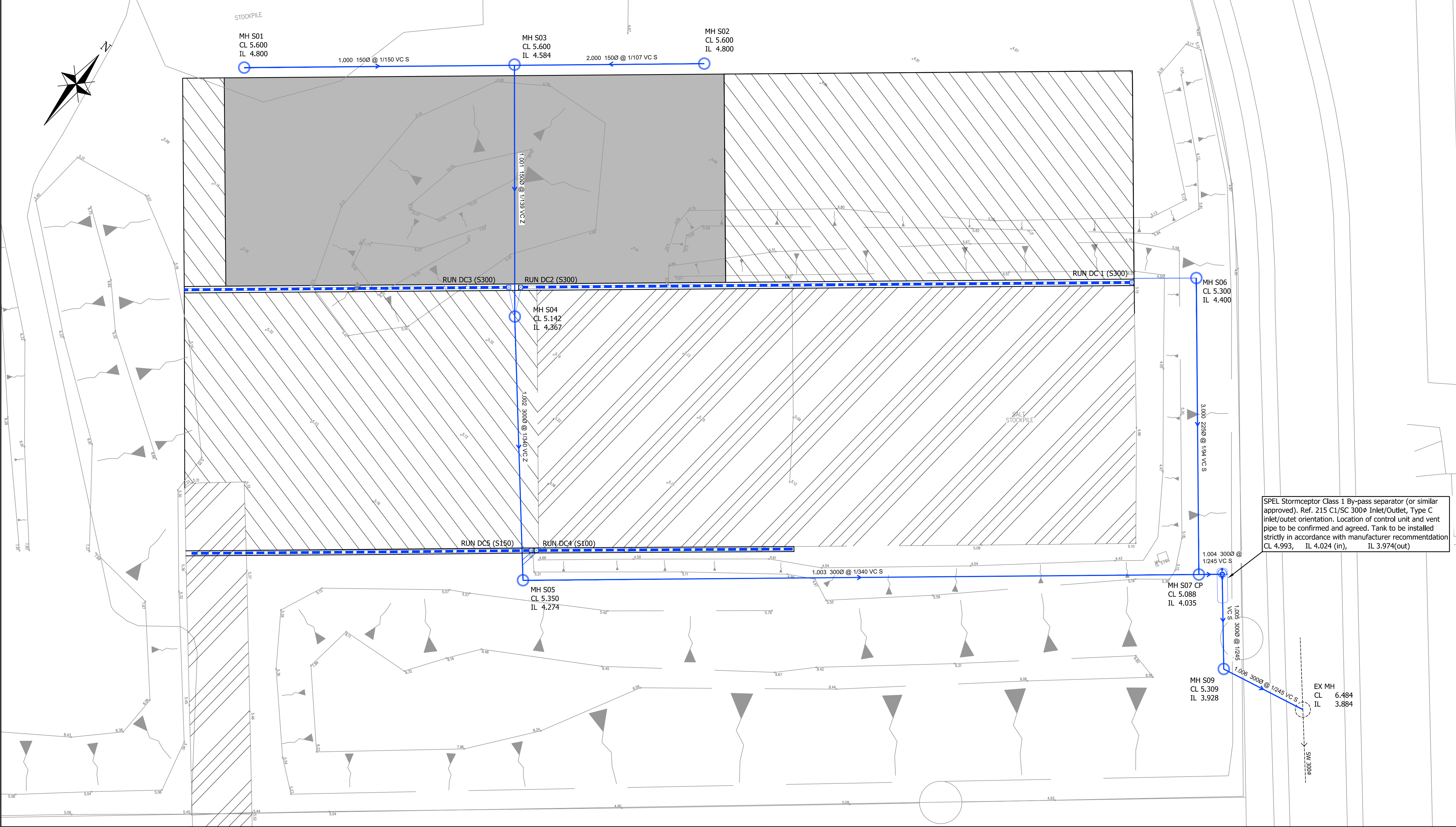


FILENAME : J:\2015\A095278 GREENFIELD RECYCLING CENTRE\CAD\WVC DRAWINGS\A095278 (52)001 DRAINAGE LAYOUT.DWG | PLOTTED BY : LUKASZ BARAN | PLOTTED DATE : 14 January 2016 07:58:12



- DO NOT SCALE: CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ANY OMISSIONS OR ERRORS
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
 - THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECTURAL AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
 - ALL LEVELS RELATED TO ORDINANCE DATUM U.N.O. ALL COORDINATES RELATE TO NATIONAL GRID COORDINATES U.N.O.
 - ALL COVER AND INVERT LEVELS ARE SHOWN IN METRES AND ALL PIPE DIAMETERS ARE MILLIMETERS U.N.O.
 - ANY DISCREPANCIES SHOULD BE REPORTED TO THE ENGINEER IMMEDIATELY SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ANY EXISTING INVERT LEVELS INDICATED ON DRAWINGS ARE CORRECT BEFORE WORK COMMENCES.
 - UNDERGROUND SERVICES MAY BE PRESENT IN THIS AREA. THE CONTRACTOR SHALL ESTABLISH THE PRECISE LINE AND DEPTH OF ALL SERVICES PRIOR TO COMMENCING ANY EXCAVATION WORKS.
 - ALL PIPES SHALL BE LAID WITH INVERTS LEVEL (UNLESS OTHERWISE SHOWN) AND ALL MANHOLE/INSPECTION CHAMBER INVERT LEVELS SHOWN ARE FOR THE OUTLET PIPE (UNLESS OTHERWISE SHOWN). PIPE RUNS SHALL BE LAID TO THE LEVELS INDICATED, AND ALL PIPE GRADIENTS INDICATED ARE APPROXIMATE.
 - THE PROPOSED COVER LEVELS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO DETAILED DESIGN.
 - THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT AND DIVERSION WORKS AS NECESSARY, TO ALL EXISTING SERVICES TO THE SATISFACTION OF THE PUBLIC UTILITIES.
 - ALL CLAY PIPE WORK SHALL BE EXTRA STRENGTH CLAYWARE TO B.S.65.
 - THE CONTRACTOR MAY ELECT TO USE REINFORCED PVC PIPES AS COVERED BY B.S. 4660 AND B.S. EN 1401-1 UP TO AND INCLUDING 300MM. (BY PRIOR AGREEMENT WITH FLINTSHIRE COUNTY COUNCIL AUTHORITY)
 - ALL CONNECTIONS TO ADOPTABLE SEWERS SHALL BE BY MANUFACTURED JUNCTION PIPES. SADDLE CONNECTIONS WILL NOT BE PERMITTED.

- KEY:**
- Proposed Surface Water manhole/ inspection chamber and drain. Refer to MH schedule for further information.
VC - Vitrified Clay, bedding Type S or Z as specified on this plan.
Refer to xxx for bedding details
 - Proposed linear drainage channel with sump unit/gully and 1500 connection
 - Proposed Class 1 by-pass separator
 - Existing Surface Water manhole and drain

SPEL Stormceptor Class 1 By-pass separator (or similar approved). Ref. 215 C1/SC 300ø Inlet/Outlet, Type C inlet/outlet orientation. Location of control unit and vent pipe to be confirmed and agreed. Tank to be installed strictly in accordance with manufacturer recommendation CL 4.993, IL 4.024 (in), IL 3.974(out)

MANHOLE SCHEDULE

Sheet 1 of 2

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams Inv-soff		Manhole	Cover
S01	5.600					450	PPIC	D400
E. 320530.368	0.650							
N. 377137.601			0	1.000	4.800	150		
S02	5.600					450	PPIC	D400
E. 320573.583	0.650							
N. 377171.963			0	2.000	4.800	150		
S03	5.600					450	PPIC	D400
E. 320555.711	0.866		1	2.000	4.587	150		
N. 377157.857			2	1.000	4.584	150		
S04	5.142					675x1025	D	F900
E. 320574.353	0.625		1	1.001	4.367	150		
N. 377134.057			0	1.002	4.367	300		

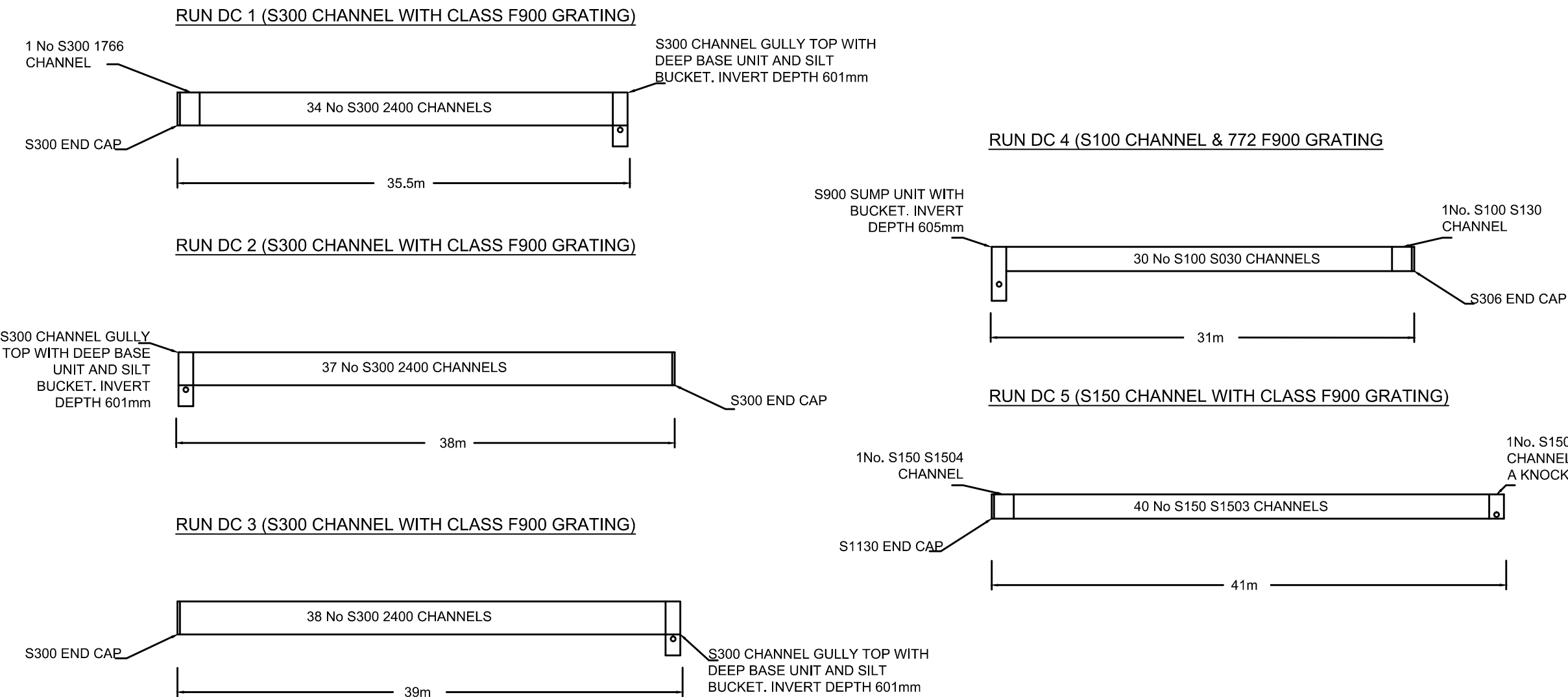
* - INSPECTION CHAMBER TO ALLOW FOR FUTURE CONNECTIONS ASSOCIATED WITH BUILDING SURFACE WATER DRAINAGE

MANHOLE SCHEDULE

Sheet 2 of 2

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
			Code	Inverts	Diams Inv-soff		Manhole	Cover
S05	5.350		1	1.002	4.274	300		
E. 320594.611	0.788					1025x1025	D	D400
N. 377109.722			0	1.003	4.274	300		
S06	5.300					600	PPIC	D400
E. 320635.953	4.400							
N. 377188.056			0	3.000	4.400	225		
S07 (CATCHPIT)	5.088		1	3.000	4.035	225		
E. 320658.103	0.753		2	1.003	4.035	300		
N. 377160.210			0	1.004	4.035	300		
S09	5.309					1200	E	D400
E. 320667.443	1.081		1	1.005	3.928	300		
N. 377153.112			0	1.006	3.928	300		

ACO CHANNEL DETAILS (NTS)



REV	DESCRIPTION	BY	CHK	APP	DATE
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FLINTSHIRE COUNTY COUNCIL

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Project:
GREENFIELD RECYCLING CENTRE

Drawing Title:
DRAINAGE LAYOUT

Scale @	A1	Drawn	Date	Checked	Date	Approved	Date
1:250	LB	15/12/15	APC	15/12/15	APC	15/12/15	
Project No.	Office	Type	Drawing No.	Revision			
A095278	27	C	A095278-(52)001	--			

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