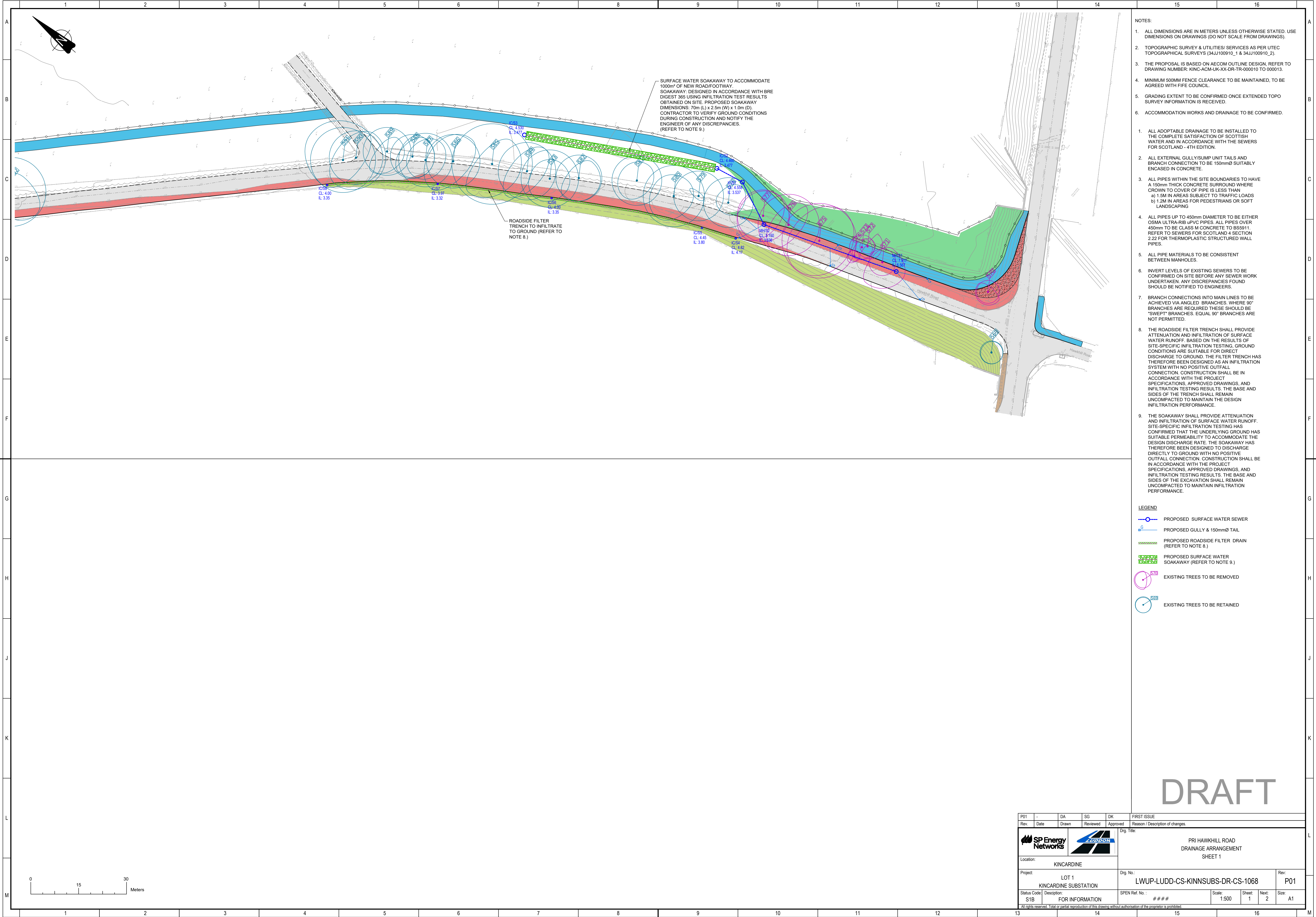


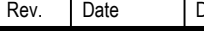


- NOTES:
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE STATED. USE DIMENSIONS ON DRAWINGS (DO NOT SCALE FROM DRAWINGS).
 2. TOPOGRAPHIC SURVEY & UTILITIES/ SERVICES AS PER UTEC TOPOGRAPHICAL SURVEYS (34JJ100910_1 & 34JJ100910_2).
 3. THE PROPOSAL IS BASED ON AECOM OUTLINE DESIGN. REFER TO DRAWING NUMBER: KINC-ACM-UK-XX-DR-TR-000010 TO 000013.
 4. MINIMUM 500MM FENCE CLEARANCE TO BE MAINTAINED, TO BE AGREED WITH FIFE COUNCIL.
 5. GRADING EXTENT TO BE CONFIRMED ONCE EXTENDED TOPO SURVEY INFORMATION IS RECEIVED.
 6. ACCOMMODATION WORKS AND DRAINAGE TO BE CONFIRMED.

1. ALL ADAPTABLE DRAINAGE TO BE INSTALLED TO THE COMPLETE SATISFACTION OF SCOTTISH WATER AND IN ACCORDANCE WITH THE SEWERS FOR SCOTLAND - 4TH EDITION.
2. ALL EXTERNAL GULLY/SUMP UNIT TAILS AND BRANCH CONNECTION TO BE 150mmØ SUITABLY ENCASED IN CONCRETE.
3. ALL PIPES WITHIN THE SITE BOUNDARIES TO HAVE A 150mm THICK CONCRETE SURROUND WHERE CROWN TO COVER OF PIPE IS LESS THAN
 - a) 1.5M IN AREAS SUBJECT TO TRAFFIC LOADS
 - b) 1.2M IN AREAS FOR PEDESTRIANS OR SOFT LANDSCAPING
4. ALL PIPES UP TO 450mm DIAMETER TO BE EITHER OSMA ULTRA-RIB UPVC PIPES. ALL PIPES OVER 450mm TO BE CLASS M CONCRETE TO BS5911. REFER TO SEWERS FOR SCOTLAND 4 SECTION 2.22 FOR THERMOPLASTIC STRUCTURED WALL PIPES.
5. ALL PIPE MATERIALS TO BE CONSISTENT BETWEEN MANHOLES.
6. INVERT LEVELS OF EXISTING SEWERS TO BE CONFIRMED ON SITE BEFORE ANY SEWER WORK UNDERTAKEN. ANY DISCREPANCIES FOUND SHOULD BE NOTIFIED TO ENGINEERS.
7. BRANCH CONNECTIONS INTO MAIN LINES TO BE ACHIEVED VIA ANGLED BRANCHES. WHERE 90° BRANCHES ARE REQUIRED THESE SHOULD BE "SWEEP" BRANCHES. EQUAL 90° BRANCHES ARE NOT PERMITTED.
8. THE ROADSIDE FILTER TRENCH SHALL PROVIDE ATTENUATION AND INFILTRATION OF SURFACE WATER RUNOFF. BASED ON THE RESULTS OF SITE-SPECIFIC INFILTRATION TESTING, GROUND CONDITIONS ARE SUITABLE FOR DIRECT DISCHARGE TO GROUND. THE FILTER TRENCH HAS THEREFORE BEEN DESIGNED AS AN INFILTRATION SYSTEM WITH NO POSITIVE OUTFALL CONNECTION. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, APPROVED DRAWINGS, AND INFILTRATION TESTING RESULTS. THE BASE AND SIDES OF THE TRENCH SHALL REMAIN UNCOMPACTED TO MAINTAIN THE DESIGN INFILTRATION PERFORMANCE.
9. THE SOAKAWAY SHALL PROVIDE ATTENUATION AND INFILTRATION OF SURFACE WATER RUNOFF. SITE-SPECIFIC INFILTRATION TESTING HAS CONFIRMED THAT THE UNDERLYING GROUND HAS SUITABLE PERMEABILITY TO ACCOMMODATE THE DESIGN DISCHARGE RATE. THE SOAKAWAY HAS THEREFORE BEEN DESIGNED TO DISCHARGE DIRECTLY TO GROUND WITH NO POSITIVE OUTFALL CONNECTION. CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS, APPROVED DRAWINGS, AND INFILTRATION TESTING RESULTS. THE BASE AND SIDES OF THE EXCAVATION SHALL REMAIN UNCOMPACTED TO MAINTAIN INFILTRATION PERFORMANCE.

- LEGEND
- PROPOSED SURFACE WATER SEWER
 - PROPOSED GULLY & 150mmØ TAIL
 - PROPOSED ROADSIDE FILTER DRAIN (REFER TO NOTE 8.)
 - PROPOSED SURFACE WATER SOAKAWAY (REFER TO NOTE 9.)
 - EXISTING TREES TO BE REMOVED
 - EXISTING TREES TO BE RETAINED

DRAFT

P01			DA	SG	DK	FIRST ISSUE	
Rev.	Date	Drawn	Reviewed	Approved	Reason / Description of changes.		
				Drg. Title:			
Location:		KINCARDINE		PRI HAWK-HILL ROAD DRAINAGE ARRANGEMENT SHEET 1			
Project:		LOT 1 KINCARDINE SUBSTATION		Drg. No.:		Rev:	
				LWUP-LUDD-CS-KINNSUBS-DR-CS-1068		P01	
Status Code	Description	SPEN Ref. No.:		Scale:	Sheet:	Next:	Size:
S1B	FOR INFORMATION	####		1:500	1	2	A1
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