

Legend

Sampling locations/ Type:

D2 ■ Air sampling - Long test
Sampled 27/05/2016

Indicative location of site

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Source: ESRI maps

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CLIENT: Kilsaran Concrete	PROJECT: Sampling Programme	DRAWN: P.G.	CHECKED: T.H.	APPROVED: T.H.	DATE: 03/06/2016
DRAWING TITLE: New Road, Kilcoole (Cullen Excavations Ltd.)	Project Ref: TH/16/9020SR01	Figure 1		1	A3
REVISION DESCRIPTION				SHEET	REV
					1:1,200

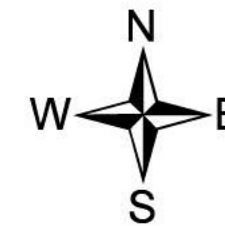
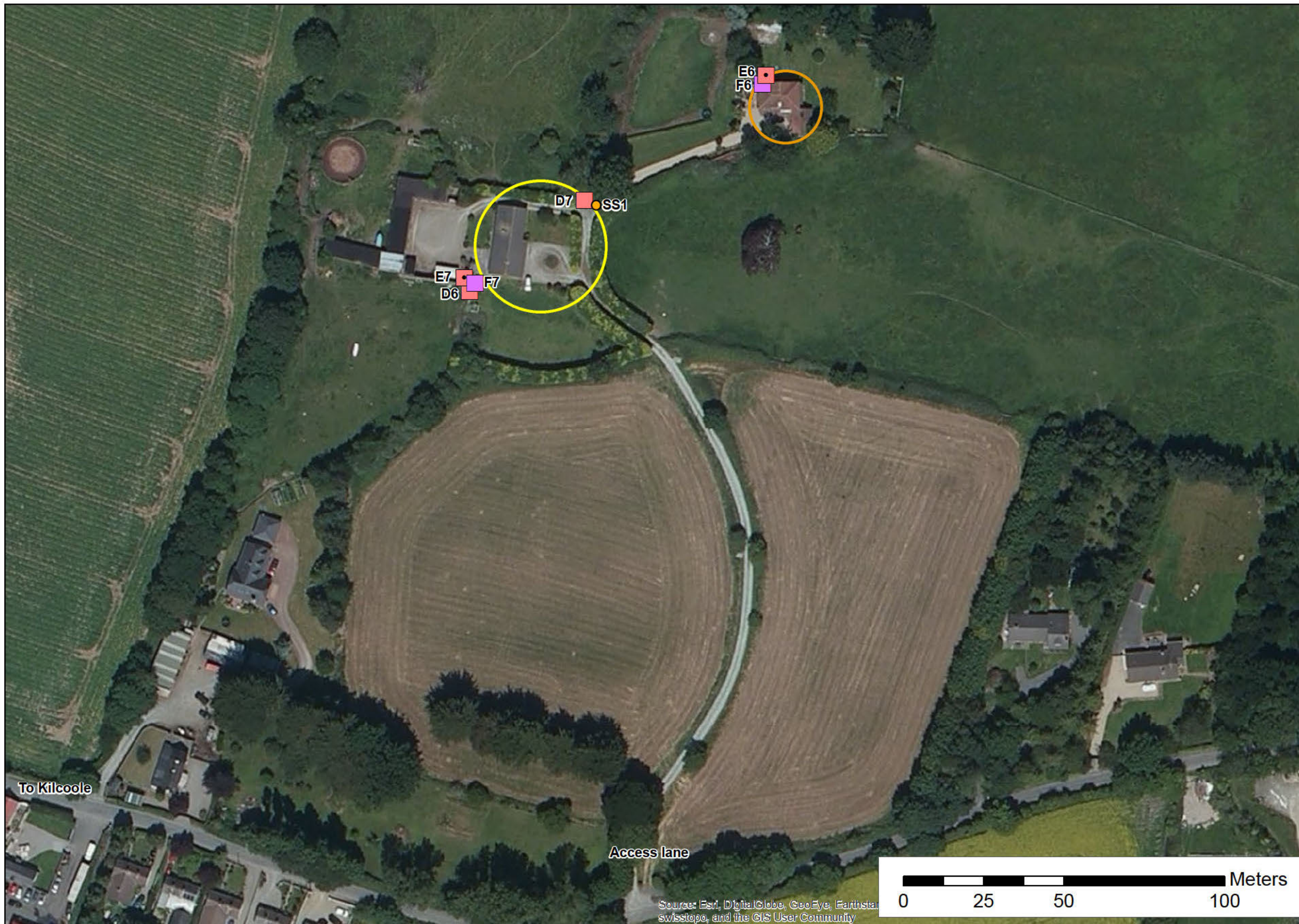
Site Location: New Road, Kilcoole, Co. Wicklow

Soil Results:

Client: AWN Consulting	Chemtest Job No.:				16-13134	16-13134	16-13134
Quotation No.: Q16-06538	Chemtest Sample ID.:				303893	303894	303895
Order No.:	Client Sample Ref.:				New Road	New Road	New Road
	Client Sample ID.:				SS1	SS2	SS3
	Sample Type:				SOIL	SOIL	SOIL
	Date Sampled:				29-May-2016	29-May-2016	29-May-2016
Determinand	Accred.	SOP	Units	LOD			
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	12	1.8	6.0
Total Asbestos	N	2192	%	0.001	12	1.8	6.0

Air Results: New Road, Kilcoole, Co. Wicklow

Sample no.	Date	Location Description	Asbestos Fibre Count	Asbestos Concentration (f/cm ³ air)
D2	28/05/2016	To the left of the foundations of the development	Amphibole Asbestos (actinolite) 1.0 fibre	<0.002*



Legend

Sampling locations/ Type:

SS1 ● Soil sampling (28/05/2016)

D6 ■ Air sampling - Long test
Sampled 28/05/2016

E6 ■ Air sampling - Long test
Sampled 29/05/2016

F6 ■ Air sampling - Long test
Sampled 30/05/2016

□ (Indicative location of site
under construction)

□ Air sampling -Short test
Adjacent house (occupied)
Sampled 28/05/2016

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CLIENT:	PROJECT:	DRAWN:	CHECKED:	APPROVED:	DATE:
Kilsaran Concrete	Sampling Programme	P.G.	T.H.	T.H.	03/06/2016
DRAWING TITLE:	Project Ref: TH/16/9020SR01	Figure 1		1	A3
Sea Road, Kilcoole (Net Project Management)		REVISION DESCRIPTION		SHEET	REV
					1:1,200

Site Location: Net Project Management, Sea Road, Kilcoole, Co. Wicklow

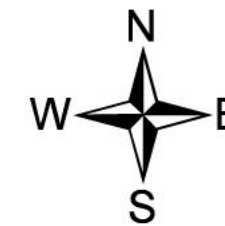
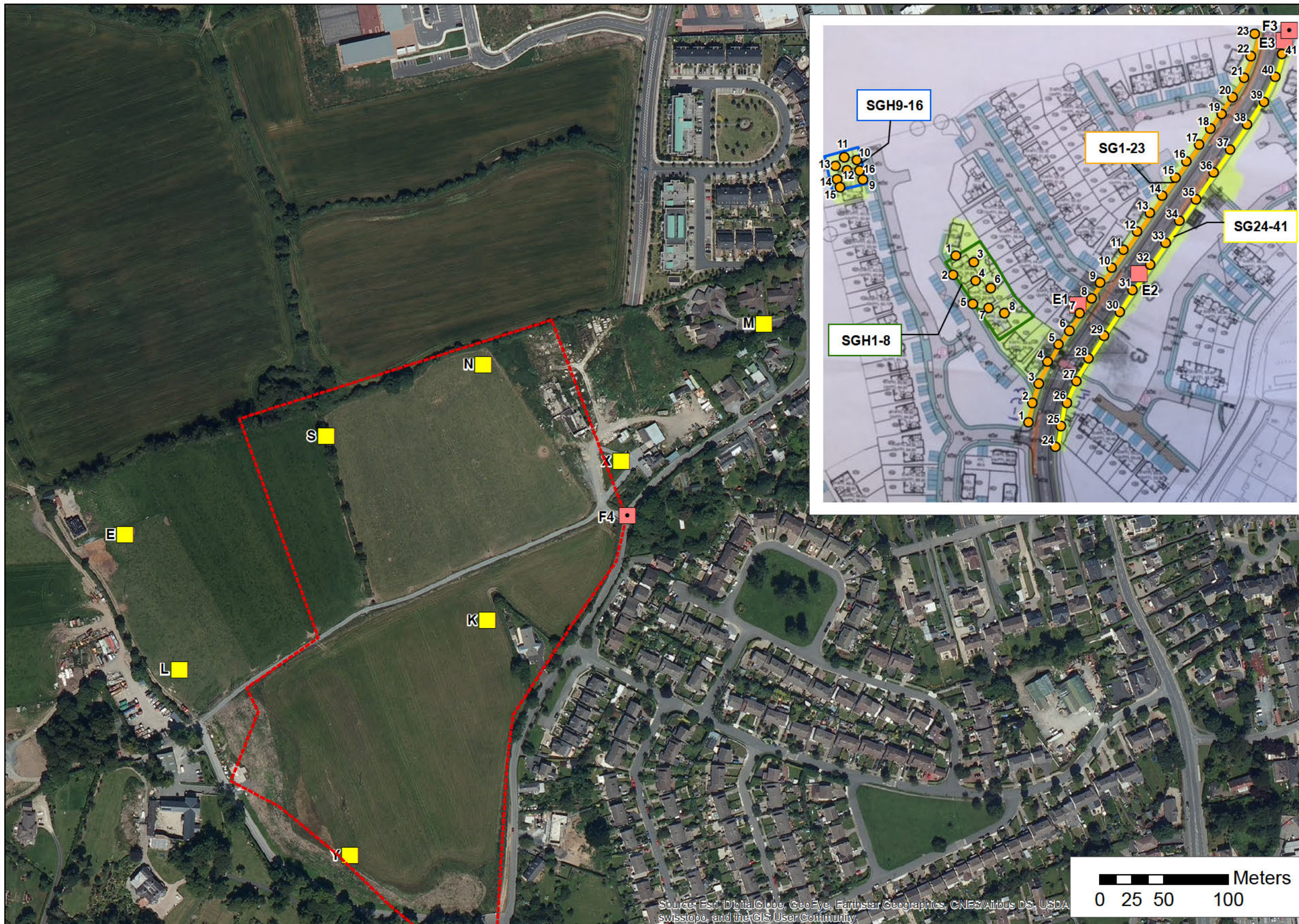
Soil Results:

Client: AWN Consulting	Chemtest Job No.:		16-12951	16-12951
Quotation No.:	Chemtest Sample ID.:		303033	303034
Order No.:	Client Sample Ref.:		Sea Road	Sea Road
	Client Sample ID.:		Gate	Entrance
	Sample Type:		SOIL	SOIL
	Date Sampled:		28-May-2016	28-May-2016
Determinand	Accred.	SOP	Units	LOD
ACM Type	U	2192		N/A
Asbestos Identification	U	2192	%	0.001
Asbestos by Gravimetry	U	2192	%	0.001
Total Asbestos	N	2192	%	0.001

Air Results: Sea Road, Kilcoole, Co. Wicklow

Location	Sample no.	Date	Consultant	Location Description	Results
Sea Road	D6	28/05/2016	Sean McMahon	Old stone wall near new house, corner of wall next to house	No asbestos detected
Sea Road	F6	30/05/2016	Avril Challoner	Neighbours House	No asbestos detected
Sea Road	F7	30/05/2016	Avril Challoner	Stone wall on affected site	No asbestos detected

Sample no.	Date	Location Description	Consultant	Results
E6	29/05/2016	On nearby residential receptor, monitoring at back of house near hot tub	Avril Challoner	No asbestos detected
E7	29/05/2016	Old stone wall near new house, corner of wall next to house	Avril Challoner	No asbestos detected



Legend

Sampling locations/ Type:

- 1 ● Soil sampling (27/05/2016)
- Samples 1-23 (taken at 10m intervals)
- Samples 24-41 (taken at regular intervals)
- Samples 1-8 (at house group indicated)
- Samples 9-16 (at house group indicated)
- E1 ■ Air sampling - Long test
Sampled 29/05/2016
E1 (Show house)
E2 (Near residential property)
E3 (Gate, LHS facing site)
- F3 ■ Sampled 30/05/2016
F3 (Gate, LHS facing site)
F4 (Entrance, Chapel Road)
- L ■ Air sampling -Short test
Sampled 28/05/2016



Indicative outline of development

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CLIENT: Kilsaran Concrete	PROJECT: Sampling Programme	DRAWN: P.G.	CHECKED: T.H.	APPROVED: T.H.	DATE: 03/06/2016
DRAWING TITLE: Woods -Seagreen (Greystones)	Project Ref: TH/16/9020SR01	Figure 1		1	A3
REVISION DESCRIPTION			SHEET	REV	

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Site Location: Wood Group Homes, Seagreen, Greystones, Co. Wicklow

Soil Results:

Client: Kilsaran	Chemtest Job No.:				16-12867	16-12867	16-12867	16-12867
	Chemtest Sample ID.:				302421	302422	302423	302424
	Client Sample ID.:				SGH1	SGH2	SGH3	SGH4
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.001	0.001	0.005	0.29
Total Asbestos	None	2192	%	0.001	0.001	0.001	0.005	0.29

Client: Kilsaran	Chemtest Job No.:				16-12867	16-12867	16-12867	16-12867
	Chemtest Sample ID.:				302425	302426	302427	302428
	Client Sample ID.:				SGH5	SGH6	SGH7	SGH8
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.26	0.002	0.003	0.003
Total Asbestos	None	2192	%	0.001	0.26	0.002	0.003	0.003

Client: Kilsaran	Chemtest Job No.:				16-12867	16-12867	16-12867	16-12867
	Chemtest Sample ID.:				302429	302430	302431	302432
	Client Sample ID.:				SGH9	SGH10	SGH11	SGH12
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.003	0.24	0.001	0.027
Total Asbestos	None	2192	%	0.001	0.003	0.24	0.001	0.027

Client: Kilsaran	Chemtest Job No.:				16-12867	16-12867	16-12867	16-12867
	Chemtest Sample ID.:				302433	302434	302435	302436
	Client Sample ID.:				SGH13	SGH14	SGH15	SGH16
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.30	0.27	0.63	0.25
Total Asbestos	None	2192	%	0.001	0.30	0.27	0.63	0.25

Main Avenue Sampling:

Client: AWN Consulting	Chemtest Job No.:				16-12869	16-12869	16-12869	16-12869
Quotation No.:	Chemtest Sample ID.:				302439	302440	302441	302442
	Client Sample ID.:				SG1	SG2	SG3	SG4
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.035	0.16	0.15	0.19
Total Asbestos	None	2192	%	0.001	0.035	0.16	0.15	0.19

Client: Kilsaran	Chemtest Job No.:				16-12869	16-12873	16-12873	16-12873
	Chemtest Sample ID.:				302443	302469	302470	302471
	Client Sample ID.:				SG5	SG6	SG8	SG9
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	17	0.004	0.009	0.002
Total Asbestos	None	2192	%	0.001	17	0.004	0.009	0.002

Client: Kilsaran	Chemtest Job No.:				16-12873	16-12873	16-12869	16-12873
	Chemtest Sample ID.:				302473	302474	302445	302475
	Client Sample ID.:				SG11	SG12	SG13	SG16
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.001	0.001	0.97	
Total Asbestos	None	2192	%	0.001	0.001	0.001	0.97	

Client: Kilsaran	Chemtest Job No.:				16-12873	16-12873	16-12873	16-12873
	Chemtest Sample ID.:				302477	302478	302479	302480
	Client Sample ID.:				SG18	SG19	SG20	SG21
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.011	0.001	0.002	0.001
Total Asbestos	None	2192	%	0.001	0.011	0.001	0.002	0.001

Client: Kilsaran	Chemtest Job No.:				16-12873	16-12873	16-12873	16-12873
	Chemtest Sample ID.:				302481	302482	302483	302484
	Client Sample ID.:				SG22	SG23	SG24	SG25
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.003	0.001	0.001	0.001
Total Asbestos	None	2192	%	0.001	0.003	0.001	0.001	0.001

Client: Kilsaran	Chemtest Job No.:				16-12873	16-12873	16-12873	16-12873
	Chemtest Sample ID.:				302485	302486	302487	302488
	Client Sample ID.:				SG28	SG30	SG32	SG33
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.001	0.003	0.001	0.002
Total Asbestos	None	2192	%	0.001	0.001	0.003	0.001	0.002

Client: Kilsaran	Chemtest Job No.:				16-12869	16-12869	16-12869	16-12869
	Chemtest Sample ID.:				302446	302447	302448	302449
	Client Sample ID.:				SG15	SG26	SG27	SG29
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.028	0.29	0.068	0.54
Total Asbestos	None	2192	%	0.001	0.028	0.29	0.068	0.54

Client: Kilsaran	Chemtest Job No.:				16-12873	16-12873	16-12873	16-12873
	Chemtest Sample ID.:				302489	302490	302491	302492
	Client Sample ID.:				SG34	SG35	SG36	SG37
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.004	0.001	0.001	0.001
Total Asbestos	None	2192	%	0.001	0.004	0.001	0.001	0.001

Client: Kilsaran	Chemtest Job No.:				16-12873	16-12873	16-12873	16-12873
	Chemtest Sample ID.:				302493	302494	302495	302496
	Client Sample ID.:				SG38	SG40	SG41	SG14
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.001	0.004	0.002	0.001
Total Asbestos	None	2192	%	0.001	0.001	0.004	0.002	0.001

Client: Kilsaran	Chemtest Job No.:				16-12869	16-12869	16-12873	16-12873
	Chemtest Sample ID.:				302450	302451	302472	302476
	Client Sample ID.:				SG31	SG39	SG10	SG17
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				27-May-2016	27-May-2016	27-May-2016	27-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	UKAS	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	UKAS	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	UKAS	2192	%	0.001	0.57	0.016	0.001	0.001
Total Asbestos	None	2192	%	0.001	0.57	0.016	0.001	0.001