

Following the launch of trove.scot in February 2025 we are now planning the retiral of some of our webservices. Canmore will be switched off on 24th June 2025. Information about the closure can be found on the HES website: [Retiral of HES web services](#) | Historic Environment Scotland

Camilla

Building (Period Unassigned)

Site Name Camilla

Classification [Building \(Period Unassigned\)](#)

Canmore ID 139237

Site Number NT29SW 48

NGR NT 21099 91340

Datum OSGB36 - NGR

Permalink <http://canmore.org.uk/site/139237>

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Collections

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Administrative Areas

Council Fife **Parish** Auchtertool **Former Region** Fife **Former District** Kirkcaldy **Former County** Fife

Archaeology Notes

[NT29SW 48](#) 2109 9133

Site recorded as part of a desk-based assessment and field inspection conducted in connection with an environmental assessment for proposed works on power lines between Dunfermline and Kirkcaldy.

Full details of the methods and results of this exercise are in a report, a copy of which will be deposited in the NMRS.

NT 2109 9133 Settlement (unnamed).

Sponsor: Gillespies on behalf of Scottish Power plc.

A J Dunwell and B Finlayson 1997

A roofed building is depicted on the 1st edition of the OS 6-inch map (Fife and Kinross 1856, sheet 36) and shown on the current edition of the OS 1: 10,560 map (1966)

Information from RCAHMS (KC) 1999

References

Dunwell and Finlayson, A J and B. (1997) *'Dunfermline to Kirkcaldy (Dunfermline; Aberdour; Auchtertool; Kirkcaldy & Dysart parishes), desk-based assessment and field inspection'*, *Discovery Excav Scot*, 1997. Page(s): 37

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Camilla

Castle (Medieval)

Site Name Camilla

Classification [Castle \(Medieval\)](#)

Alternative Name(s) Hallyards

Canmore ID 52987

Site Number NT29SW 5

NGR NT 2115 9137

Datum OSGB36 - NGR

Permalink <http://canmore.org.uk/site/52987>

[Correction](#) 

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Digital Images



Collections

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Administrative Areas

Council Fife **Parish** Auchtertool **Former Region** Fife **Former District** Kirkcaldy **Former County** Fife

Archaeology Notes

[NT29SW 5](#) 2115 9136.

(NT 2116 9136) Ruins of Camilla formerly Hallyards (NR)

OS 6"map, (1920)

Hallyards Castle - Some fragments of walling and a few mounds rising within a ploughed field represent all that remains of Hallyards Castle, which has evidently been an extensive house of the 16th or 17th century, built round a courtyard measuring 123 by 87 feet over all. A somewhat less ruinous structure at the north east corner is possibly of later date. Part of a gable, still standing at the south east corner, indicates that here the building has been a vaulted ground floor and at least two upper floors, with a lean-to structure or to fall.'

RCAHMS 1933.

After the death of Philip Skene in 1788, the name of Hallyards was changed to Camilla.

A H Millar 1895.

The ruins of Camilla, formerly Hallyards, are as described by RCAHMS; they are now very fragmentary and overgrown.

Visited by OS (W D J) 11 March 1959.

Activities



Field Visit (26 May 1925)

[RCAHMS County Inventory: Fife, Kinross and Clackmannan](#)

Hallyards Castle.

Some fragments of walling and a few mounds rising within a ploughed field represent all that remains of Hallyards Castle, which has evidently been an extensive house of the 16th or 17th century, built round a courtyard measuring 123 by 87 feet over all. A somewhat less ruinous structure at the north-east corner is possibly of later date. Part of a gable, still standing at the south-east corner, indicates that here the building has been a vaulted ground-floor and at least two upper floors, with a lean-to structure or "to-fall."

HISTORICAL NOTE. '1653, Jan.-The old Laird of Halyeards in Fyfe (surnamed Skine), departed out of this life att Halyeards, and was interred ... att Achtertoole church' (1).

RCAHMS 1933, visited 26 May 1925.

(1) The Diary of Mr. John Lamont of Newton, 1649-71 (Maitland Club), p. 52.

References



Coventry, M. (2008) *Castles of the Clans: the strongholds and seats of 750 Scottish families and clans*. Musselburgh. Page(s): 314,429,534 RCAHMS Shelf Number: F.5.21.COV

Millar, A H. (1895) *Fife: pictorial and historical: its people, burghs, castles and mansions'*, 2v. Cupar, Edinburgh and Glasgow. Page(s): Vol. 2, 143-4 RCAHMS Shelf Number: D.4.MIL.R

RCAHMS. (1933) *The Royal Commission on the Ancient and Historical Monuments and Constructions of Scotland. Eleventh report with inventory of monuments and constructions in the counties of Fife, Kinross, and Clackmannan*. Edinburgh. Page(s): 29, No. 50 RCAHMS Shelf Number: A.1.1.INV/11

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Auchtertool

Kiln (Period Unassigned), Lade (Period Unassigned), Mill (Period Unassigned), Mill Dam (Period Unassigned), Sluice (Period Unassigned)

Site Name Auchtertool

Classification [Kiln \(Period Unassigned\)](#), [Lade \(Period Unassigned\)](#), [Mill \(Period Unassigned\)](#), [Mill Dam \(Period Unassigned\)](#), [Sluice \(Period Unassigned\)](#)

Canmore ID 139255

Site Number NT29SW 53

NGR NT 2155 9095

NGR Description Centred on NT 2155 9095

Datum OSGB36 - NGR

Permalink <http://canmore.org.uk/site/139255>

Correction 

Favourite 

Administrative Areas

Council Fife **Parish** Auchtertool **Former Region** Fife **Former District** Kirkcaldy **Former County** Fife

Archaeology Notes

[NT29SW 53](#) Centred on 2155 9095

Site recorded as part of a desk-based assessment and field inspection conducted in connection with an environmental assessment for proposed works on power lines between Dunfermline and Kirkcaldy.

Full details of the methods and results of this exercise are in a report, a copy of which will be deposited in the NMRS.

NT 214 909 Mill dam, mill race.

Sponsor: Gillespies on behalf of Scottish Power plc.

A J Dunwell and B Finlayson 1997

A roofed building is depicted and annotated Corn Mill on the 1st edition of the OS 6-inch map (Fife and Kinross 1856, sheet 36) in association with a mill dam, a mill race, a sluice and a kiln.

Information from RCAHMS (KC) 21 January 1999

References

Dunwell and Finlayson, A J and B. (1997) *'Dunfermline to Kirkcaldy (Dunfermline; Aberdour; Auchtertool; Kirkcaldy & Dysart parishes), desk-based assessment and field inspection'*, *Discovery Excav Scot*, 1997. Page(s): 37

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Auchtertool

Milestone (19th Century)

Site Name Auchtertool
Classification [Milestone \(19th Century\)](#)
Canmore ID 305826
Site Number NT29SW 88
NGR NT 21142 90608
Datum OSGB36 - NGR
Permalink <http://canmore.org.uk/site/305826>

[Correction](#) [Favourite](#) 

Administrative Areas



Council Fife **Parish** Auchtertool **Former Region** Fife **Former District** Kirkcaldy **Former County** Fife

Activities



Field Visit (9 July 2009)

This milestone, which was situated on the S side of the B925 public road about 400m W of Auchtertool, was not found on the date of visit. If like other stones in the sequence to the E (eg see NT29SE 520), it would have comprised a dressed sandstone block measuring 0.4m square by 0.7m – 0.9m in height with a cast iron information cap. This would probably have indicated the distances of ½ mile to Auchtertool, 5 miles to Kirkcaldy, 6 and three-eighths miles to Dysart and 13 and five-eighths miles to Leven. It would also have indicated the distances of 4½ miles to Crossgates and 8 miles to Dunfermline. The milestone is depicted on the 1st edition of the OS 6-inch map (Fife and Kinross 1856, sheet 36).

Visited by RCAHMS (JRS) 9 July 2009.

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Walton

Loopholed Wall(S) (First World War), Machine Gun Post(S) (First World War), Trench(S) (First World War)

Site Name Walton

Classification [Loopholed Wall\(S\) \(First World War\)](#), [Machine Gun Post\(S\) \(First World War\)](#), [Trench\(S\) \(First World War\)](#)

Canmore ID 52967

Site Number NT29SW 15

NGR NT 2015 9110

NGR Description From NT 19185 94350 to NT 25282 88018

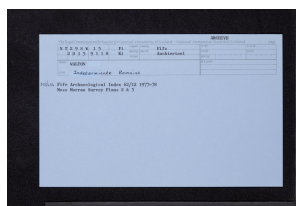
Datum OSGB36 - NGR

Permalink <http://canmore.org.uk/site/52967>

Correction 

Favourite 

Digital Images



Collections

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Administrative Areas

Council Fife **Parish** Auchtertool **Former Region** Fife **Former District** Kirkcaldy **Former County** Fife

World War One Audit of Surviving Remains (10 September 2013)

[World War One Audit of Surviving Remains](#)

A map of field defences in Scotland in 1916 (The National Archives WO 78/4396) shows the location of a series of trenches, earthen banks, machine-gun positions and barbed wire entanglements, between Lochgelly and Kinghorn (NT28NE 9), designed to block access from the NE towards Rosyth.

Information from HS/RCAHMS World War One Audit Project (GJB) 10 September 2013.

Archaeology Notes

[NT29SW 15](#) 2015 9110.

The base of a natural knoll 4m. high and close to the disused Cowdenbeath to Auchtertool line is bounded on its north and west sides by a low bank 0.5m high. The base of the knoll itself has been artificially scarped to create a shallow ditch 1m wide and 0.3m deep. From each extremity of the ditch a shallow gully has been cut up the side of the knoll. On its northern side the bank has been cut by what seems to be a later and unfinished ditch. The ditch occurs in three sections, the most easterly section being the only one which looks complete. It has a maximum depth of just over 1m.

The earthworks do not superficially conform to any recognisable class of archaeological monument. It is probable that they are of recent origin: Mr A Robertson of Walton Farm, the land owner, stated that he had been told by an older relative that they are the remains of trenches dug in World War One for the defence of naval installations on the coast. Alternatively it is at least conceivable that recent work has distorted earlier features.

Possibly associated with these earthworks is a slightly sunken track (NT 1986 9113) which runs towards them for 115m from a point 200m further west along the line of the disused railway. It has been formed by scarping the edge of slightly raised ground to the south.

E V W Proudfoot 1977.

Activities

Project (March 2013 - September 2013)

A project to characterise the quantity and quality of the Scottish resource of known surviving remains of the First World War. Carried out in partnership between Historic Scotland and RCAHMS.

Change Of Classification (10 September 2013)

Recorded previously as a 'site', it is part of a network of First World War trenches and defences.

References

Proudfoot, E V W. (1977a) '*Moss Morran*', *Discovery Excav Scot*, 1977. Page(s): 16

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Appendix 6 BGS Supplied Borehole Logs



BOREHOLE RECORD SHEET

LOCATION East Pife Regional Road
JOB NO. 1311 BOREHOLE NO. 168
SURFACE LEVEL: _____ DIAMETER 6"

WATER LEVELS: Dry INITIAL Dry FINAL _____
DATE COMMENCED: 5-6-67
DATE COMPLETED: 5-6-67

MAP REF.

E					
N					

DESCRIPTION	Leg	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	s (lb./cu. ft.)	q' (lb./sq. ft.)	c (lb./sq. ft.)	φ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOM-MENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil.			1-3	1-3													
Firm becoming Stiff. Intact Brown Sandy Clay containing Gravel with Patches of Sand.		C.L. N.L.		12-3		U4 5.6" U4 6.0"		25.1	124		950	3	34	24	10	1.25	1.5
			13-6			U4 12.0"		20.5	130		2100	3				3.0	3.7
Hard Sandstone.			14-6	1-0													

REMARKS

SYMBOLS: n - No. of blows per foot in standard penetration test; w - Natural moisture content; s - Natural bulk density; q' - Unconfined compressive strength; c - Apparent cohesion; φ - Angle of internal friction
L.L. - Liquid Limit; P.L. - Plastic Limit; P.I. - Plasticity Index; U4 - 4" Dia. Undisturbed Sample; U12 - 12" Dia. Undisturbed Sample; D - Disturbed Sample; B - Bulk Sample



BOREHOLE RECORD SHEET

LOCATION East Fife Regional Road
JOB NO. 1311 BOREHOLE NO. 169
SURFACE LEVEL 6" DIAMETER 6"

WATER LEVELS: 8'2" INITIAL: 6'5" FINAL
DATE COMMENCED: 5-6-57
DATE COMPLETED: 5-6-57

MAP REF.

E					
N					

DESCRIPTION	Leg.	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	s (lb./cu. ft.)	q _u (lb./sq. ft.)	c (lb./sq. ft.)	φ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOMMENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil.			1	2	1	2											
Firm Intact Brown Sandy Clay containing Gravel with Patches of Sand becoming Soft with Depth.		C.L. M.L.		10	9		U4	33.9	117		1270	0	32	22	10	1.25	1.75
							U4	34.2	118		620	4				1.25	1.5
			11	1			B										
Decomposed Sandstone.			14	1	2	2											
Hard Sandstone.			15	1	1	0											

REMARKS

SYMBOLS: n - No. of blows per foot in standard penetration test; w - Natural moisture content; s - Natural bulk density; q_u - Unconfined compressive strength; c - Apparent cohesion; φ - Angle of internal friction
L.L. - Liquid Limit; P.L. - Plastic Limit; P.I. - Plasticity Index; U4 - 45 Dia. Undisturbed Sample; U15 - 15 Dia. Undisturbed Sample; D - Disturbed Sample; B - Bulk Sample



BOREHOLE RECORD SHEET

LOCATION East Fife Regional Road
JOB NO. 1221 BOREHOLE NO. 170
SURFACE LEVEL DIAMETER 6"

WATER LEVELS: Dry INITIAL Dry FINAL
DATE COMMENCED:
DATE COMPLETED: 5-6-67

MAP REF:

E					
N					

DESCRIPTION	Leg	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	s (lb./cu. ft.)	q _v (lb./sq. ft.)	c (lb./sq. ft.)	φ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOMMENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil.			1 3	1 3													
Firm Intact Brown Sandy clay containing Gravel.		C.L.	3 3	2 0		134		18.7	131		2100	7	25	15	10	3.0	3.75
Stiff Intact Mottled Brown Sandy Clay containing Gravel.			6 9	3 6		114		15.4	135		2300	4				3.25	4.0
Stiff Intact Light Greyish Sandy Clay containing Gravel with traces of decomposed Whin.			10 9	4 0		810											
Hard Rock (whin).			10 9	0 0													

REMARKS

SYMBOLS: n - No. of blows per foot in standard penetration test; w - Natural moisture content; s - Natural bulk density; q_v - Unconfined compressive strength; c - Apparent cohesion; φ - Angle of internal friction
L.L. - Liquid Limit; P.L. - Plastic Limit; P.I. - Plasticity Index; U.U. - 4" Dia. Undisturbed Sample; U.U. - 1 1/2" Dia. Undisturbed Sample; D - Disturbed Sample; B - Bulk Sample



BOREHOLE RECORD SHEET

LOCATION East Fife Regional Road

JOB NO. 1311 BOREHOLE NO. 171

SURFACE LEVEL DIAMETER 6"

WATER LEVELS: Dry INITIAL Dry FINAL

DATE COMMENCED: 4-6-67

DATE COMPLETED: 4-6-67

MAP REF.

E					
N					

DESCRIPTION	Leg	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	s (lb./cu. ft.)	q _u (lb./sq. ft.)	c (lb./sq. ft.)	φ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOM-MENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil			1-3	1-3													
Compact Brown Clayey Sand and Gravel with Patches of Stiff Sandy Clay		C.L.		9-9		U4		20.7	123		720	13	29	20	9	2.0	2.25
						U4		18.7	126		900	16					
Decomposed Rock (Wain)			11-0			U4										4.0	4.5
			12-6	1-6													

REMARKS

SYMBOLS: n - No. of blows per foot in standard penetration test; w - Natural moisture content; s - Natural bulk density; q_u - Undrained compressive strength; c - Apparent cohesion; φ - Angle of internal friction
L.L. - Liquid Limit; P.L. - Plastic Limit; P.I. - Plasticity Index; U4 - 4" Dia. Undisturbed Sample; U11 - 11" Dia. Undisturbed Sample; D - Disturbed Sample; B - Bulk Sample



BOREHOLE RECORD SHEET

LOCATION East Fife Regional Road
JOB NO. 1311 BOREHOLE NO. 172
SURFACE LEVEL DIAMETER 6"

WATER LEVELS: 6' 5" INITIAL: 4' 7" FINAL
DATE COMMENCED: 4-8-57
DATE COMPLETED: 4-8-57

MAP REF.

E									
N									

DESCRIPTION	Leg	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	γ (lb./cu. ft.)	q _u (lb./sq. ft.)	c (lb./sq. ft.)	φ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOM-MENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil			1' 0"	1' 0"													
Firm Brown Silty Clay contain- ing Gravel with Patches of Sand.				7 3		1/4		18.7	127		1000	5					1.5 2.0
			8 3			1/4		16.2	135		2100	2					3.25 4.25
Stiff to Very Stiff, Intact Dark Brown Silty Boulder Clay.				6 5		1/4		14.8	135		2200	5					4.0 5.0
			14 8			12' 0"											
Decomposed Rock (main).			15 8	1' 0"													
Hard Rock (main).			15 8	0' 0"													

REMARKS

SYMBOLS: n - No. of blows per foot in standard penetration test w - Natural moisture content γ - Natural bulk density q_u - Unconfined compressive strength c - Apparent cohesion φ - Angle of internal friction
L.L. - Liquid Limit P.L. - Plastic Limit P.I. - Plasticity Ind. U. 4 - 4" Dia. Undisturbed Sample U. 1 1/2 - 1 1/2" Dia. Undisturbed Sample D - Disturbed Sample B - Bulk Sample



BOREHOLE RECORD SHEET

LOCATION East Pife Regional Road

WATER LEVELS: Dry INITIAL Dry FINAL

JOB NO. 1311 BOREHOLE NO. 173

DATE COMMENCED: 3-6-67

MAP REF.

E									
N									

SURFACE LEVEL: 6m DIAMETER: 6m

DATE COMPLETED: 3-6-67

DESCRIPTION	Leg.	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	γ (lb./cu. ft.)	q_u (lb./sq. ft.)	c (lb./sq. ft.)	ϕ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOM-MENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil.			0-6	0-6													
Broken rock (whin).			2-0	1-6													
Hard rock (whin).			2-0	0-0													
												</					

REMARKS:

SYMBOLS: n - No. of blows per foot in standard penetration test; w - Natural moisture content; γ - Natural bulk density; q_u - Unconfined compressive strength; c - Apparent cohesion; ϕ - Angle of internal friction
L.L. - Liquid Limit; P.L. - Plastic Limit; P.I. - Plasticity Index; U.4 - 4" Dia. Undisturbed Sample; U.11 - 11" Dia. Undisturbed Sample; D - Disturbed Sample; q_{uB} - Bulk Sample



BOREHOLE RECORD SHEET

LOCATION Last Fife Regional Road
JOB NO. 1311 BOREHOLE NO. 174
SURFACE LEVEL DIAMETER 6"

WATER LEVELS: Dry INITIAL Dry FINAL
DATE COMMENCED:
DATE COMPLETED: 3-6-67

MAP REF.

E					
N					

DESCRIPTION	Leg.	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	γ (lb./cu. ft.)	q _u (lb./sq. ft.)	c (lb./sq. ft.)	φ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOM-MENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil.			1' 3"	1' 3"													
Loose Fine to Medium Graded Brown Clayey Sand and Gravel with Traces of Clay.		C.L. M.L.	6' 0"	4' 9"		U4 3' 0"		22.2	131		0	23	27	19	8	2.0	2.0

REMARKS:

SYMBOLS: n - No. of blows per foot in standard penetration test; w - Natural moisture content; γ - Natural bulk density; q_u - Unconfined compressive strength; c - Apparent cohesion; φ - Angle of internal friction
L.L. - Liquid Limit; P.L. - Plastic Limit; P.I. - Plasticity Index; U4 - 4" Dia. Undisturbed Sample; U19 - 19" Dia. Undisturbed Sample; D - Disturbed Sample; B - Bulk Sample



BOREHOLE RECORD SHEET

LOCATION : East Fife Regional Road

WATER LEVELS : DRY INITIAL : DRY FINAL

JOB NO. : 1311 BOREHOLE NO. : 176

DATE COMMENCED :

MAP REF.

E									
N									

SURFACE LEVEL : DIAMETER : 6"

DATE COMPLETED : 3-6-67

DESCRIPTION	Leg.	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	γ (lb./cu. ft.)	q ^u (lb./sq. ft.)	c (lb./sq. ft.)	φ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOM-MENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil.			1 3	1 3													
Soft becoming Stiff Mottled Brown and Grey Sandy Clay containing Gravel.		C.I. C.I.		7 3		U ₄ 3 rd 6 th		22.3	127		600	1	33	15	18	1.0	1.25
			8 6			U ₄ 6 th 0 th		19.8	120		1300	2	34	18	16	1.75	2.25
Stiff to Very Stiff Dark Greyish Sandy Boulder Clay.			11 0	2 6													
Soft Dark Grey Clayey Shale.			13 0	2 0													

REMARKS :

SYMBOLS : n - No. of blows per foot in standard penetration test ; w - Natural moisture content ; γ - Natural bulk density ; q_u - Unconfined compressive strength ; c - Apparent cohesion ; φ - Angle of internal friction
L.L. - Liquid Limit ; P.L. - Plastic Limit ; P.I. - Plasticity Index ; U4 - 4" Dia. Undisturbed Sample ; U11 - 11" Dia. Undisturbed Sample ; D - Disturbed Sample ; B - Bulk Sample



BOREHOLE RECORD SHEET

LOCATION East Fife Regional Road

WATER LEVELS: Dry INITIAL Dry FINAL

JOB NO. 1311 BOREHOLE NO. 173A

DATE COMMENCED: 3-5-57

MAP REF.	E								
	N								

SURFACE LEVEL: 6" DIAMETER: 6"

DATE COMPLETED: 3-5-57

DESCRIPTION	Leg.	Group Symbol	Depth	Thick-ness	Level	Samples	n (blows)	w (%)	γ (lb./cu. ft.)	q _u (lb./sq. ft.)	c (lb./sq. ft.)	φ (deg.)	L.L. (%)	P.L. (%)	P.I. (%)	INDICATED/RECOMMENDED ALLOWABLE BEARING CAPACITY (Tons/sq. ft.)	
																Strip	Spread
Topsoil.			0-6	0-6													
Firm to Stiff intact Mottled Brown Sandy Clay containing Gravel with Patches of Sand.			2-0	1-6													
Broken rock (whin).			3-0	1-0													
Hard Rock (whin).			3-0	0-0													

REMARKS:

SYMBOLS: n - No. of blows per foot in standard penetration test; w - Natural moisture content; γ - Natural bulk density; q_u - Unconfined compressive strength; c - Apparent cohesion; φ - Angle of internal friction
L.L. - Liquid Limit; P.L. - Plastic Limit; P.I. - Plasticity Index; U₄ - 4" Dia. Undisturbed Sample; U₁₁ - 11" Dia. Undisturbed Sample; S₁ - Disturbed Sample; S₂ - Bulk Sample

B X - O N E T W O

