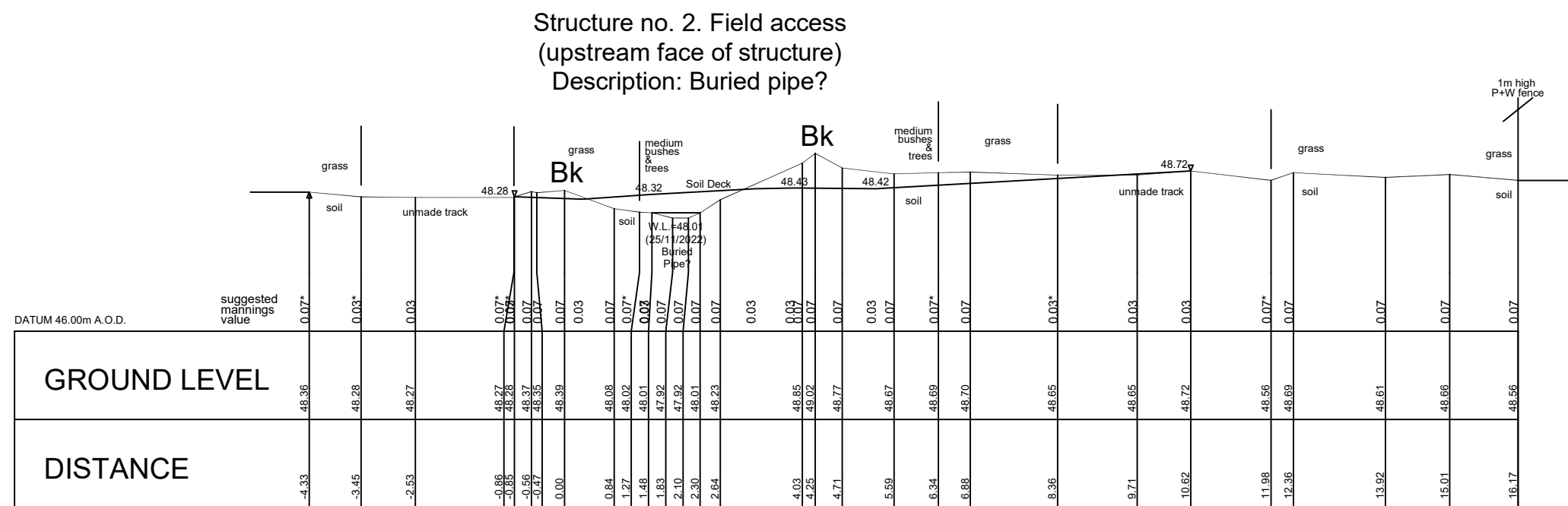


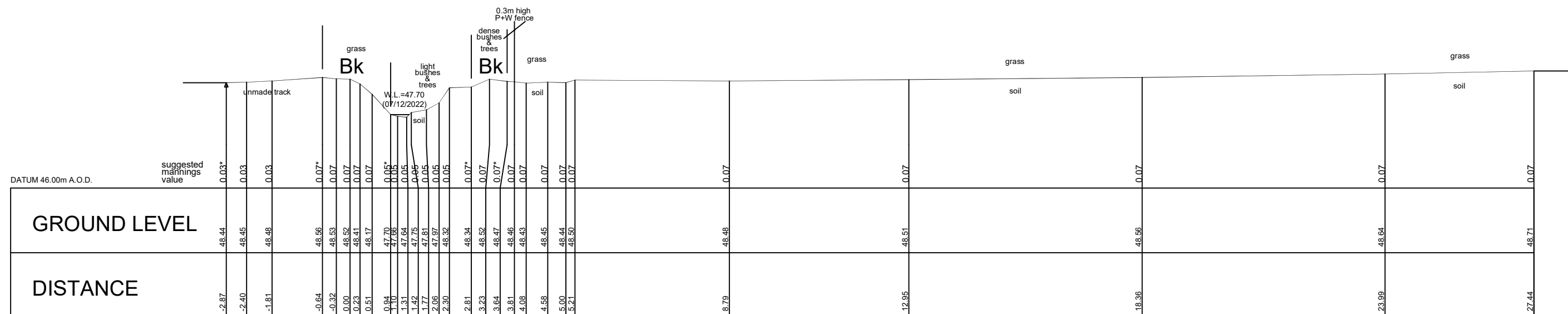
WHY 104 PLOTTING WRONG DIRECTION ON LOCATION PLAN



Barrett's Lane ditch 2 CS LO40.0105

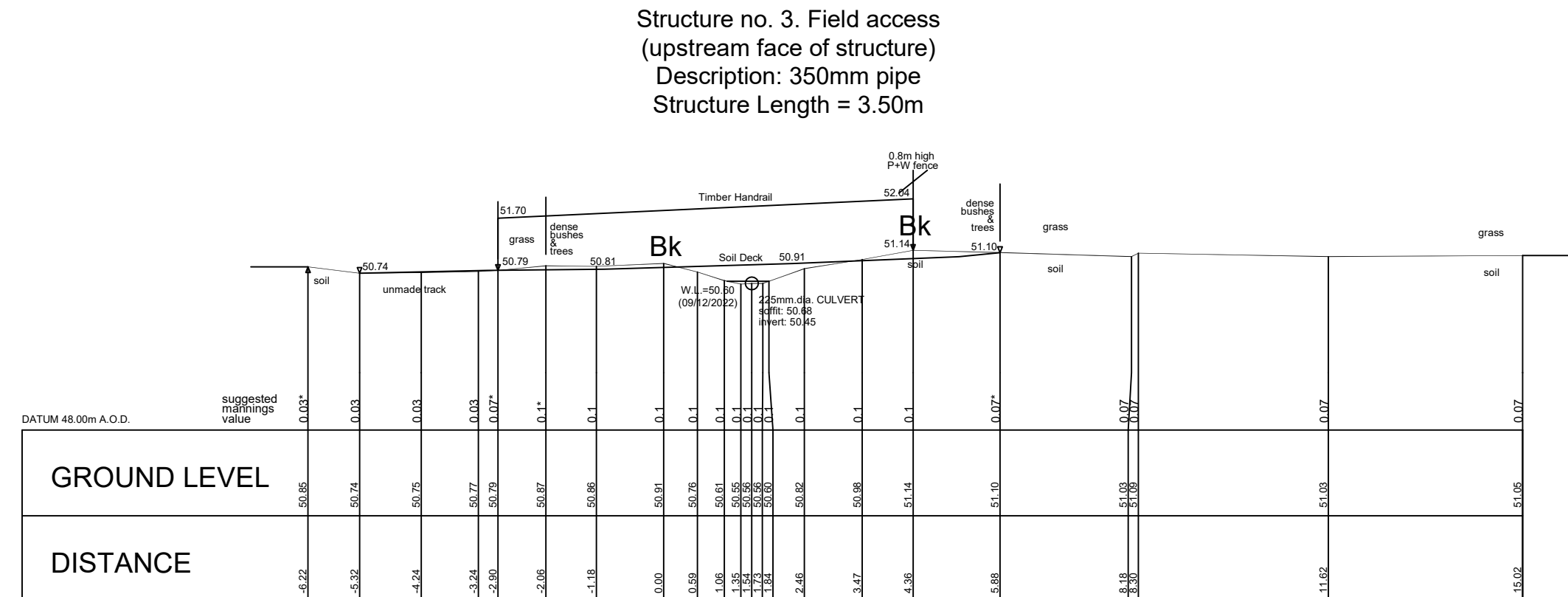
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WHY 103 PLOTTING WRONG DIRECTION ON LOCATION PLAN



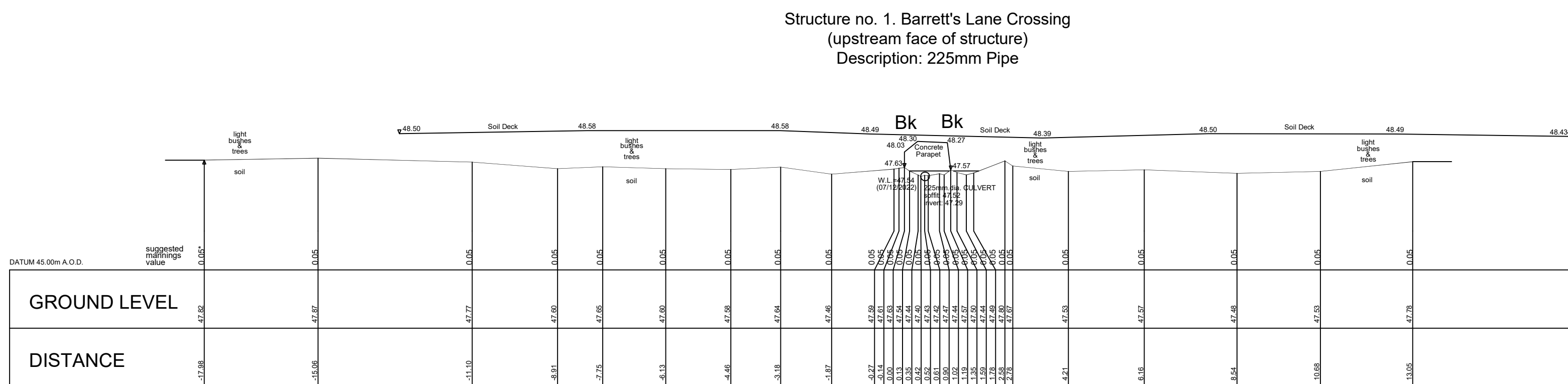
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Centre OSNG Coordinates E.475803.01 N.168735.56



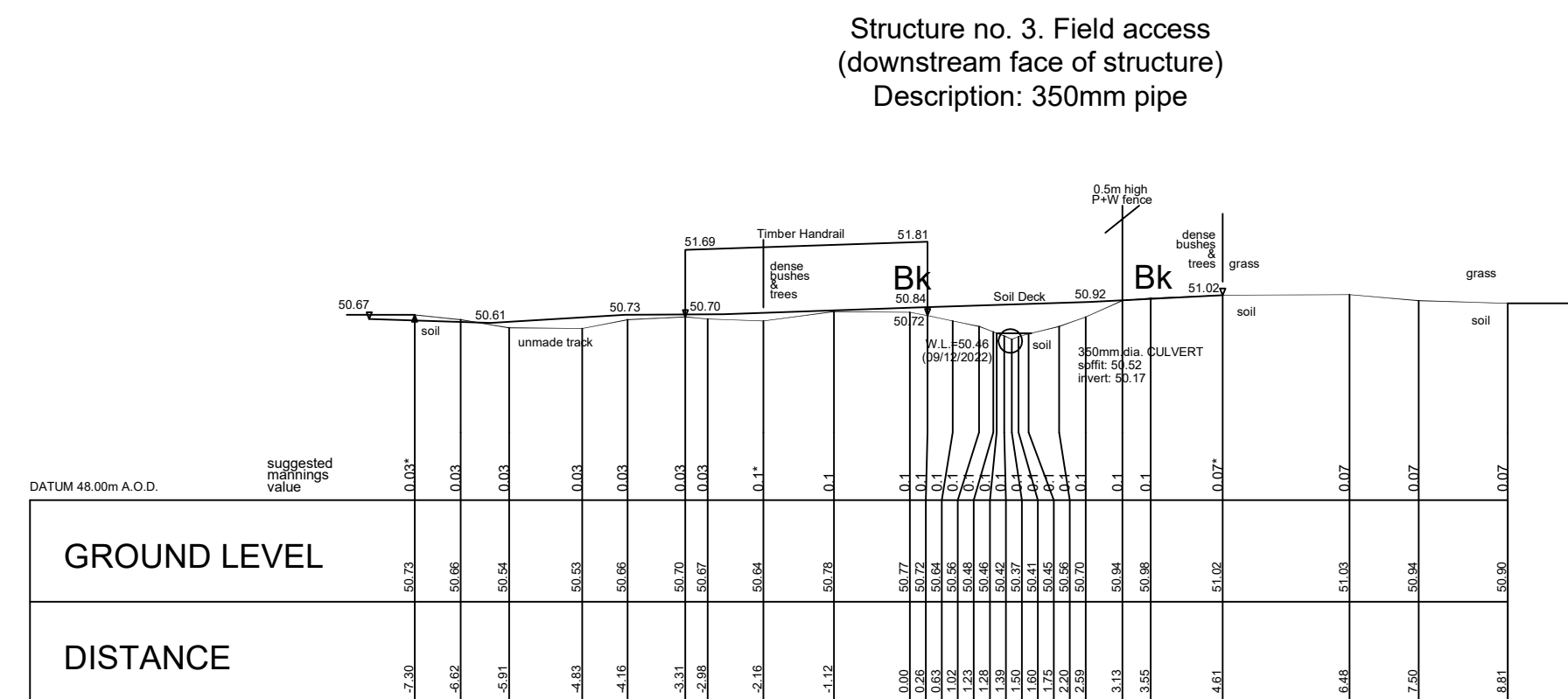
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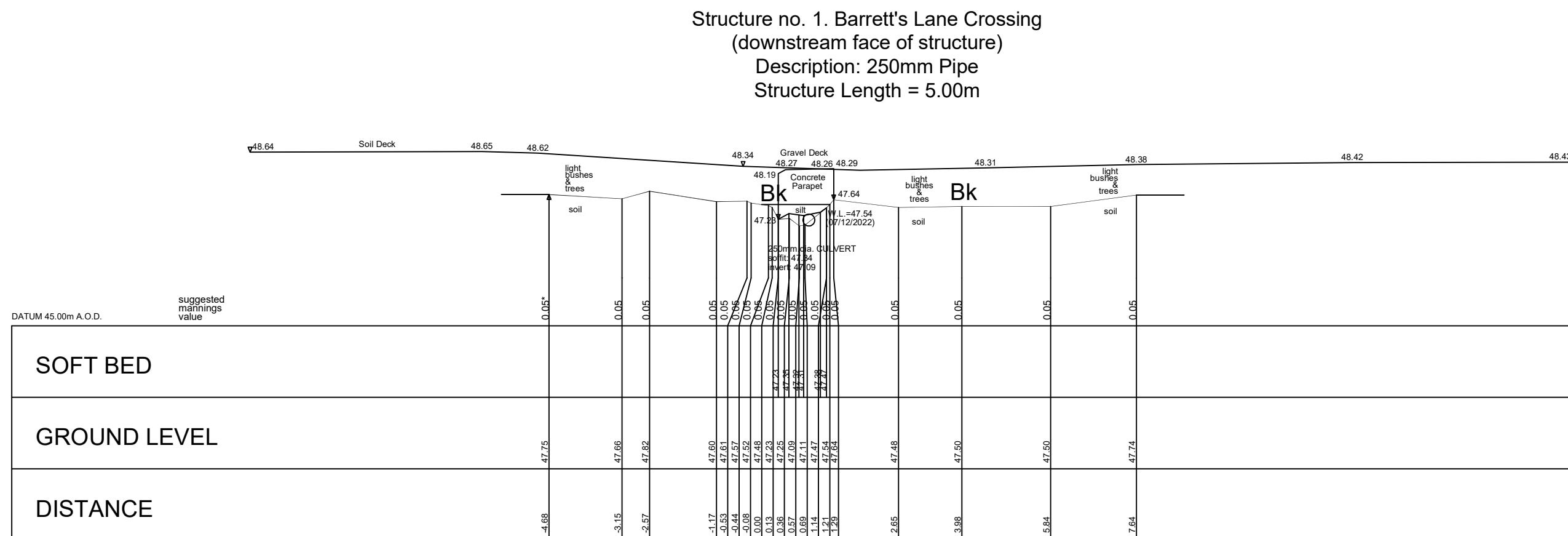
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Centre OSNG Coordinates E.475803.57 N.168737.60



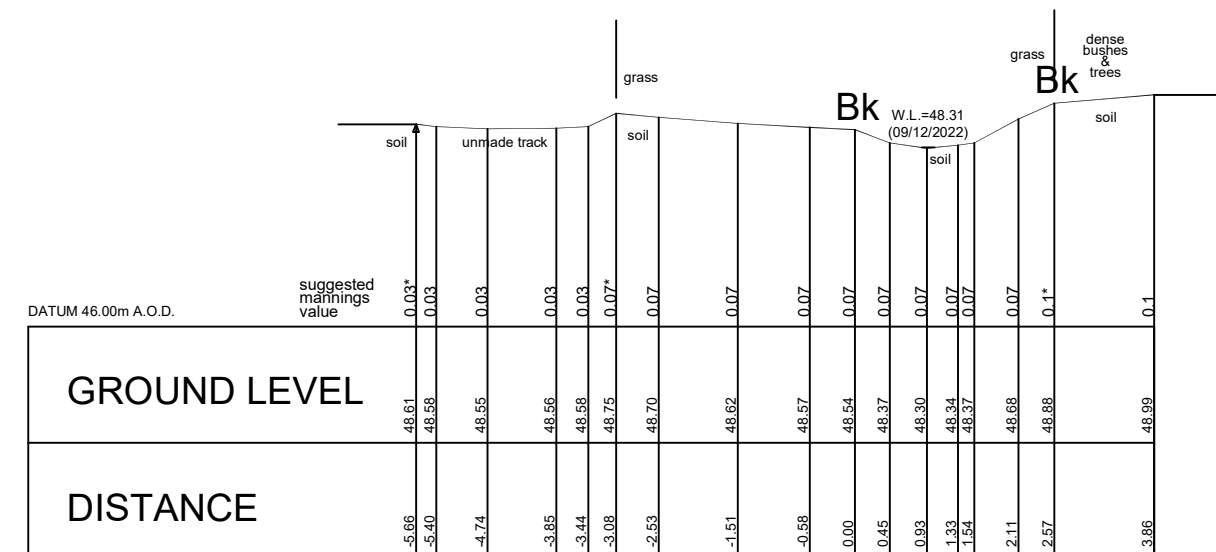
Barrett's Lane ditch 2 CS LO40.0288

Centre OSNG Coordinates E.475902.11 N.168527.17



Barrett's Lane ditch 2 CS LO40.0002

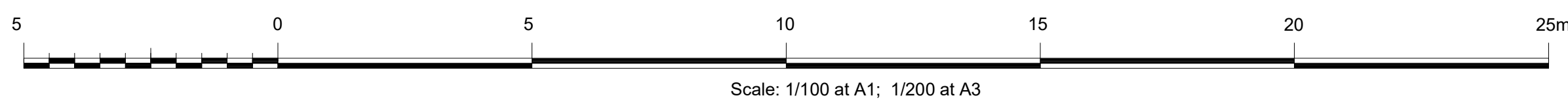
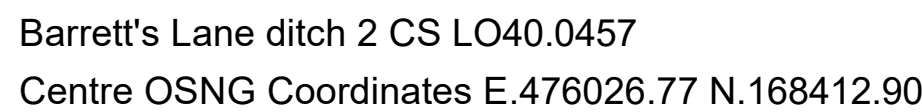
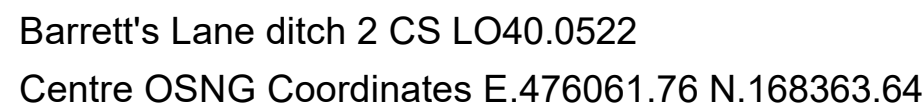
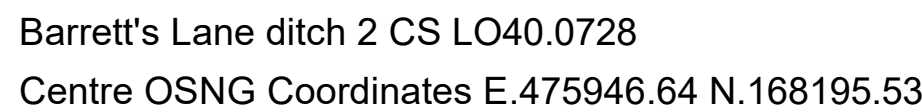
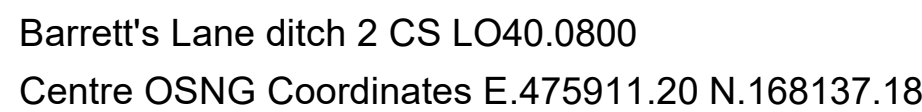
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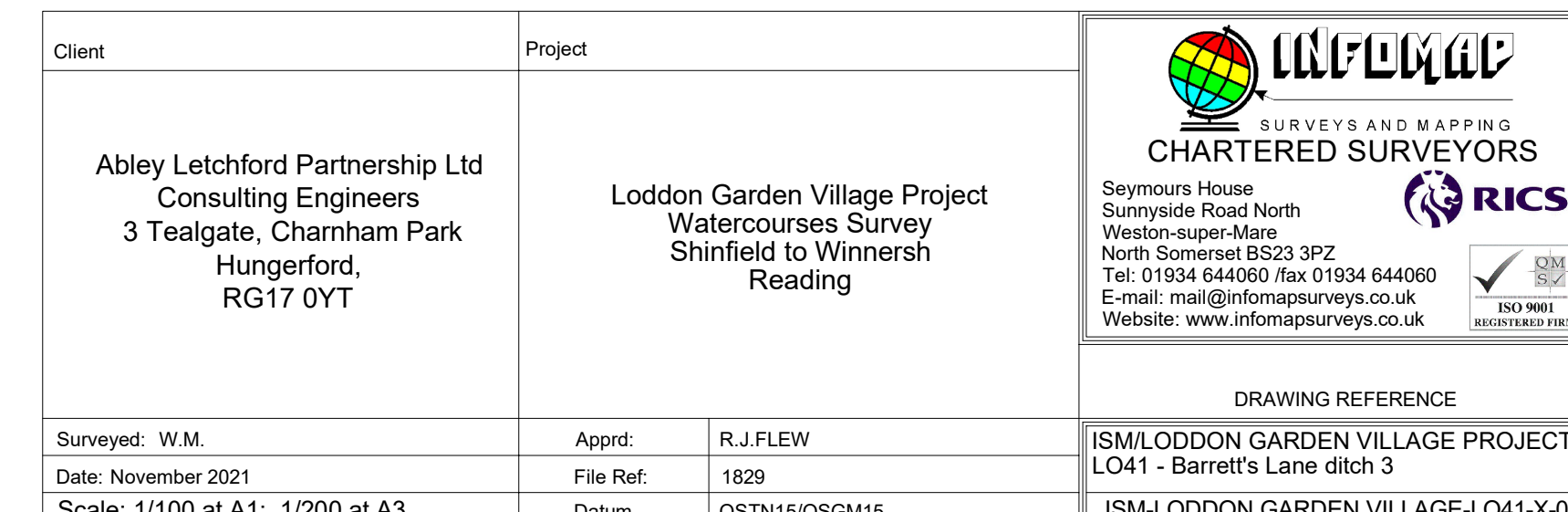
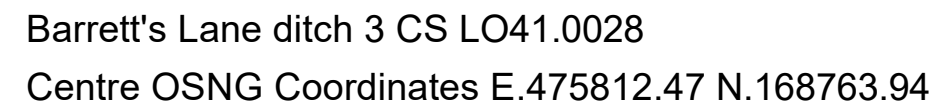
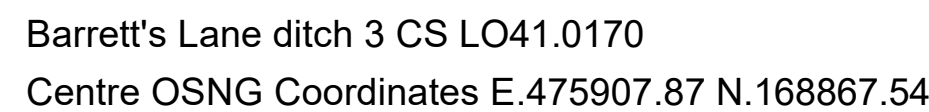
Barrett's Lane ditch 2 CS LO40.0130

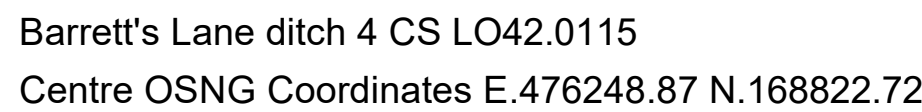
Centre OSNG Coordinates E.475788.03 N.168635.40

Client	Project	 INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS   Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 /fax: 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk ISO 9001 REGISTERED FIRM
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT	Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	
Surveyed: W.M. Date: November 2021 Scale: 1/100 at A1; 1/200 at A3	Apprd: R.J.FLEW File Ref: 1829 Datum OSTN15/OSGM15	



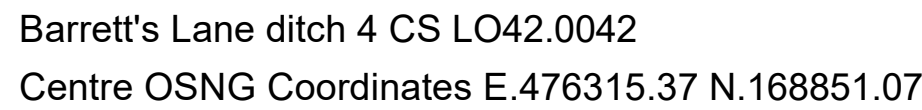
Client	Project	INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 /fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk RICS ISO 9001 REGISTERED FIRM
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT	Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	
Surveyed: W.M. Date: November 2021 Scale: 1/100 at A1; 1/200 at A3	Apprd: R.J.FLEW File Ref: 1829 Datum OSTN15/OSGM15	
		DRAWING REFERENCE
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		ISM-LODDON GARDEN VILLAGE-LO40-X-02





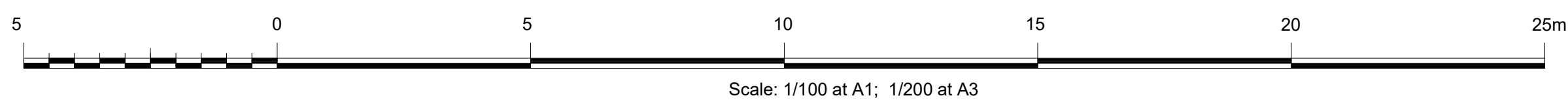
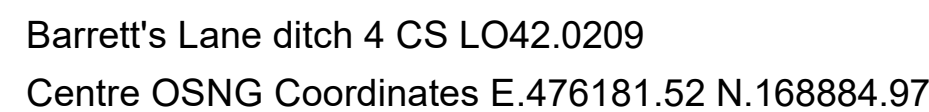
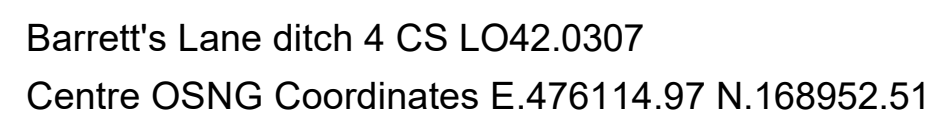
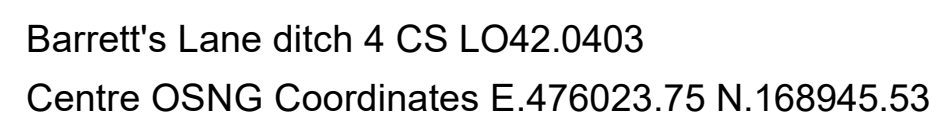
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42.15	42.12	0.07
42.01	42.01	0.07
41.97	41.97	0.07
41.93	41.93	0.07
41.89	41.89	0.07
41.85	41.85	0.07
41.81	41.81	0.07
41.77	41.77	0.07
41.73	41.73	0.07
41.69	41.69	0.07
41.65	41.65	0.07
41.61	41.61	0.07
41.57	41.57	0.07
41.53	41.53	0.07
41.49	41.49	0.07
41.45	41.45	0.07
41.41	41.41	0.07
41.37	41.37	0.07
41.33	41.33	0.07
41.29	41.29	0.07
41.25	41.25	0.07
41.21	41.21	0.07
41.17	41.17	0.07
41.13	41.13	0.07
41.09	41.09	0.07
41.05	41.05	0.07
41.01	41.01	0.07
40.97	40.97	0.07
40.93	40.93	0.07
40.89	40.89	0.07
40.85	40.85	0.07
40.81	40.81	0.07
40.77	40.77	0.07
40.73	40.73	0.07
40.69	40.69	0.07
40.65	40.65	0.07
40.61	40.61	0.07
40.57	40.57	0.07
40.53	40.53	0.07
40.49	40.49	0.07
40.45	40.45	0.07
40.41	40.41	0.07
40.37	40.37	0.07
40.33	40.33	0.07
40.29	40.29	0.07
40.25	40.25	0.07
40.21	40.21	0.07
40.17	40.17	0.07
40.13	40.13	0.07
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39.57	39.57	0.07
39.53	39.53	0.07
39.49	39.49	0.07
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39.41	39.41	0.07
39.37	39.37	0.07
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39.29	39.29	0.07
39.25	39.25	0.07
39.21	39.21	0.07
39.17	39.17	0.07
39.13	39.13	0.07
39.09	39.09	0.07
39.05	39.05	0.07
39.01	39.01	0.07
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38.85	38.85	0.07
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38.29	38.29	0.07
38.25	38.25	0.07
38.21	38.21	0.07
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38.13		

Structure no. 1. Barrett's Lane culvert
(downstream face of structure)
Description: 250mm Pipe?
Structure Length = 14.00m

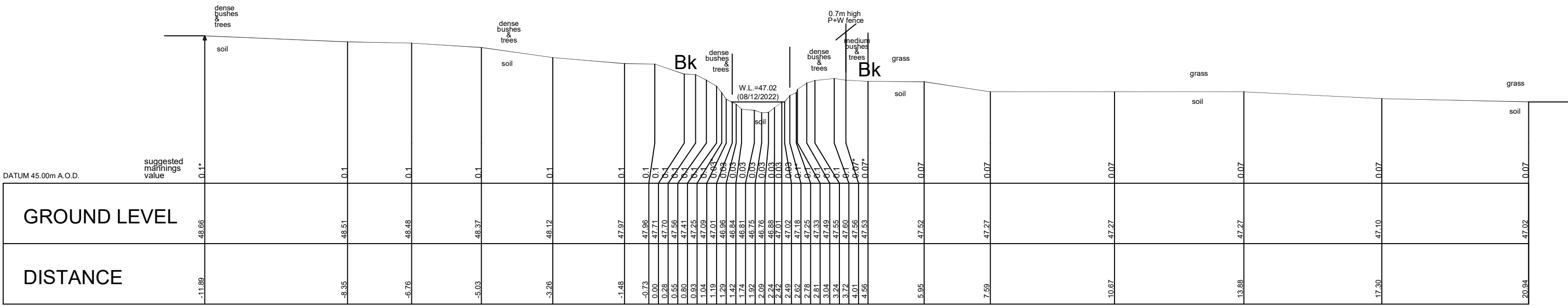


CE & VEGETATION CHANGES:
VEGETATION & SEPARATOR Light
ND SURFACE & SEPARATOR Trees
INGS VALUES IN BLUE TEXT stone
O OSGM. LEVEL DATUM OSGM15. Δ
N PERPENDICULAR TO WATERCOURSE



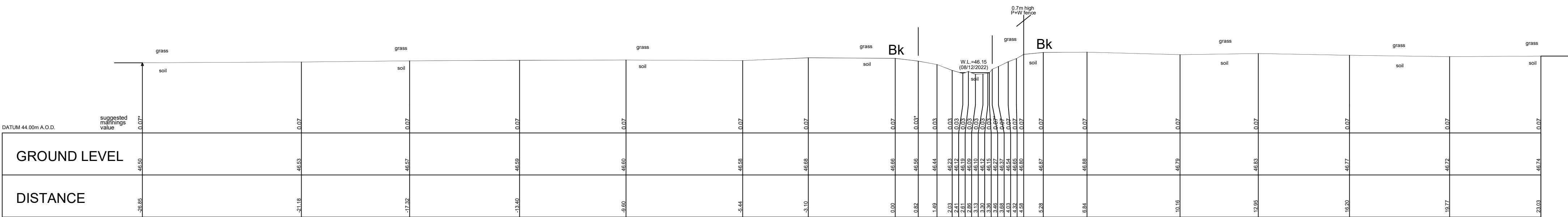


Client	Project	INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 /fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk RICS ISO 9001 REGISTERED FIRM
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT	Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	
Surveyed: W.M. Date: November 2021 Scale: 1/100 at A1; 1/200 at A3	Apprd: R.J.FLEW File Ref: 1829 Datum OSTN15/OSGM15	



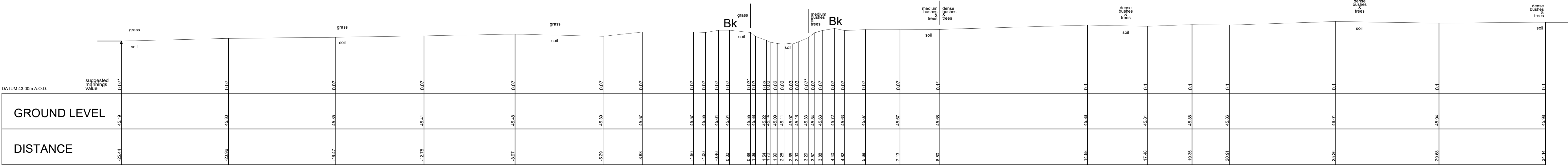
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Centre OSNG Coordinates E.476342.66 N.168302.99



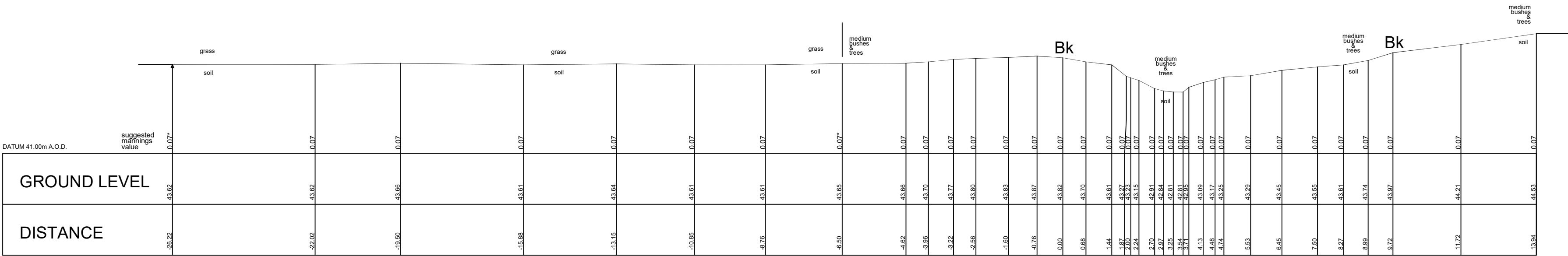
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Cartershill ditch 1 CS LO43.0181

Centre OSNG Coordinates E.476416.99 N.168145.74



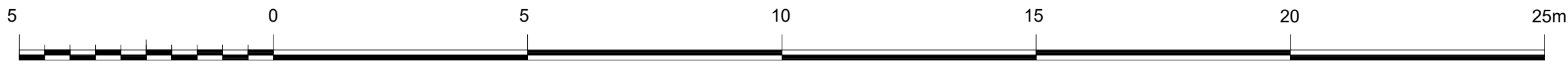
Cartershill ditch 1 CS LO43.0005

Centre OSNG Coordinates E.476589.52 N.168147.49

LEGEND FOR SURFACE & VEGETATION CHANGES:
ABOVE GROUND VEGETATION & SEPARATOR
GROUND SURFACE & SEPARATOR
SUGGESTED MANNINGS VALUES IN BLUE TEXT
SURVEYED BY GPS TO OSNG. LEVEL DATUM OSGM15.
ALL SECTIONS SHOWN PERPENDICULAR TO WATERCOURSE

Light
Trees
stone

I
I
Δ



Scale: 1/100 at A1; 1/200 at A3

Client		Project	
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT		Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	
Surveyed: W.M.		Apprd:	R.J.FLEW
Date: November 2021		File Ref:	1829
Scale: 1/100 at A1; 1/200 at A3		Datum	OSTN15/OSGM15
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ISM-LODDON GARDEN VILLAGE-LO43-X-0			

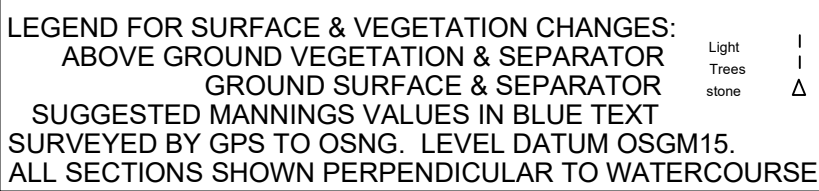
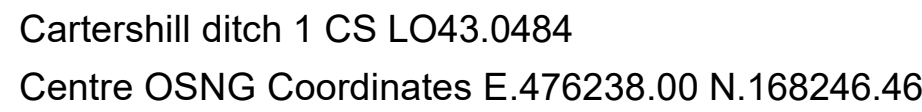
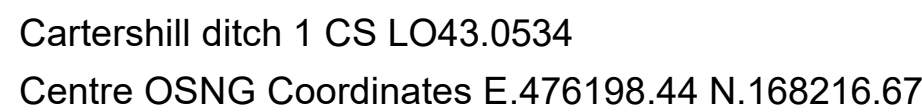
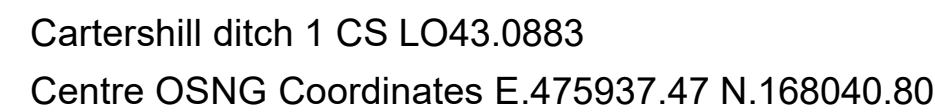
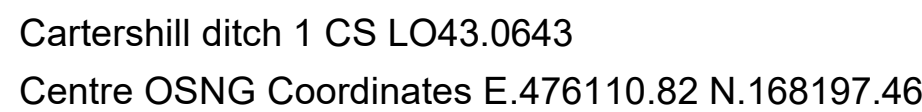
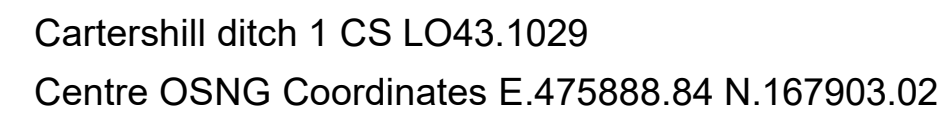
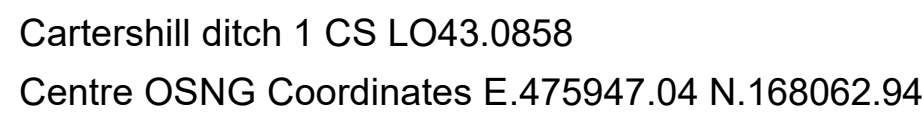


SURVEYS AND MAPPING
CHARTERED SURVEYORS

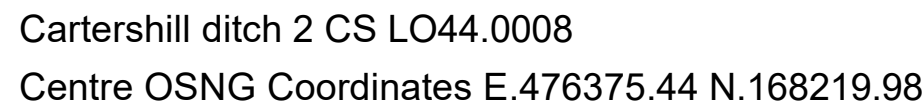
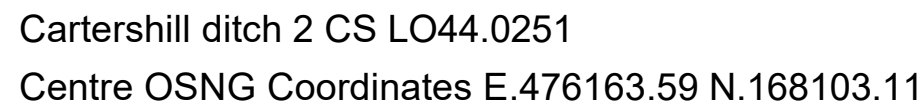
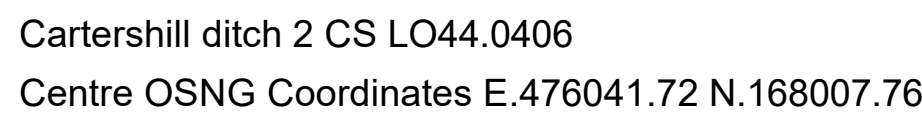
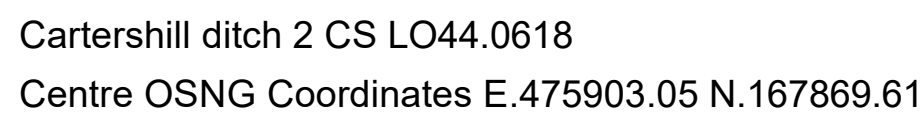
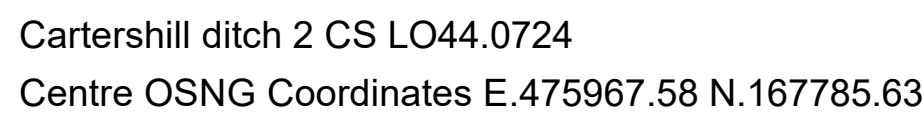
Seymours House
Sunnyside Road North
Weston-super-Mare
North Somerset BS23 3PZ
Tel: 01934 644060 Fax 01934 644060
E-mail: mail@infomapsurveys.co.uk
Website: www.infomapsurveys.co.uk



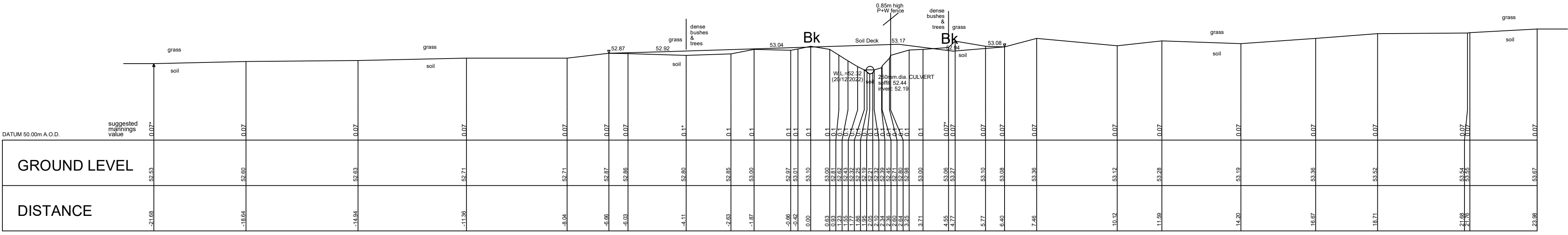
REGISTERED FIRM



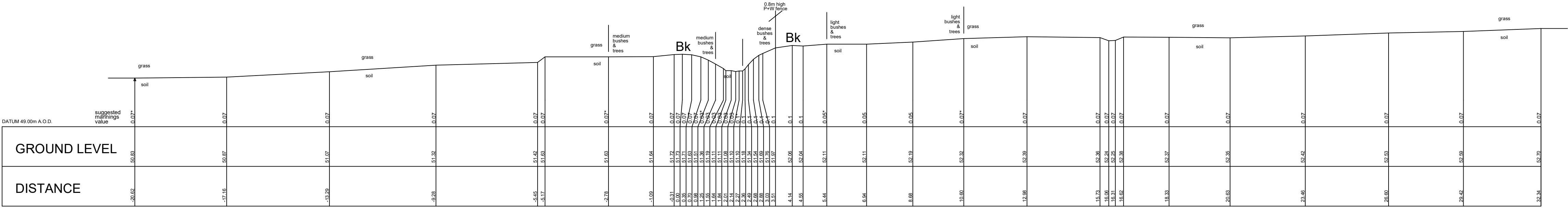
Client	Project	 INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 /fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk  RICS  ISO 9001 REGISTERED FIRM
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT	Loddon Garden Village Project Watercourses Survey Shinfield to Winners Reading	
Surveyed: W.M. Date: November 2021 Scale: 1/100 at A1; 1/200 at A3	Apprd: R.J.FLEW File Ref: 1829 Datum OSGN15/OSGM15	
DRAWING REFERENCE ISM/LODDON GARDEN VILLAGE PROJECT: LO43 - Cartershill ditch 1 ISM-/LODDON GARDEN VILLAGE-LO43-X-02		



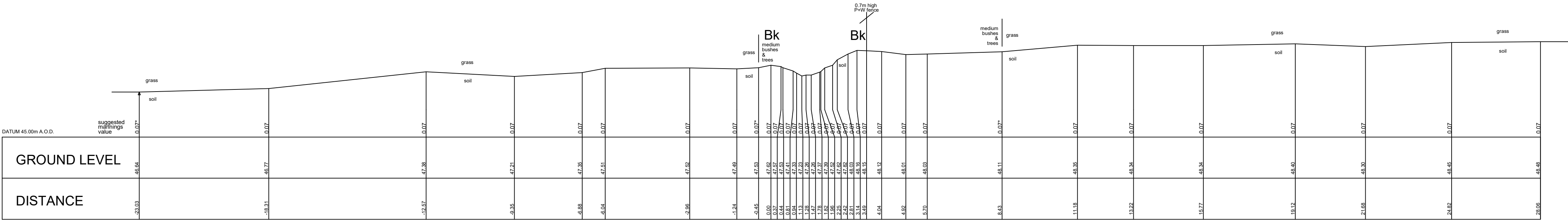
Structure no. 1. Field access
(downstream face of structure)
Limited access (foliage)
Description: 250mm Pipe
Structure Length = 14.00m



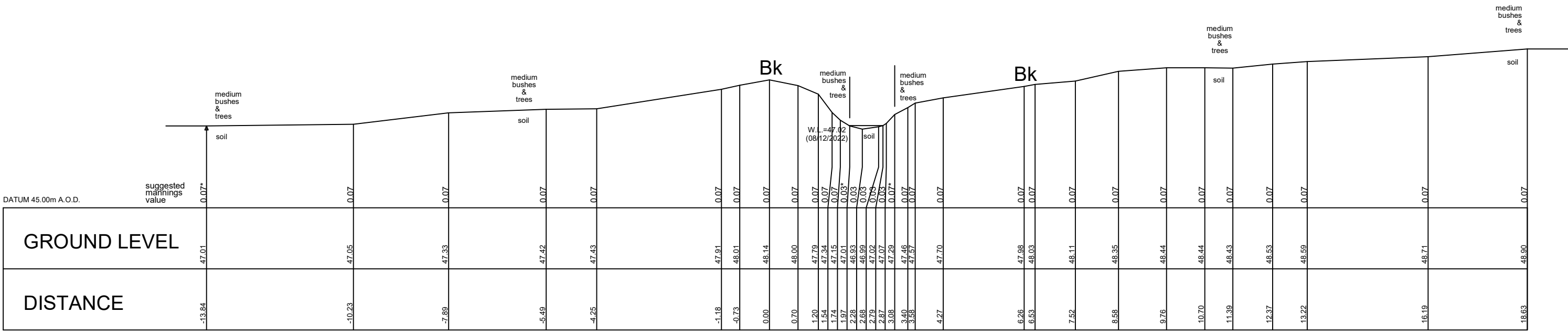
Cartershill ditch 3 CS LO45.0491
Centre OSNG Coordinates E.476247.62 N.168587.83



Cartershill ditch 3 CS LO45.0354
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Cartershill ditch 3 CS LO45.0198
Centre OSNG Coordinates E.476467.25 N.168396.32

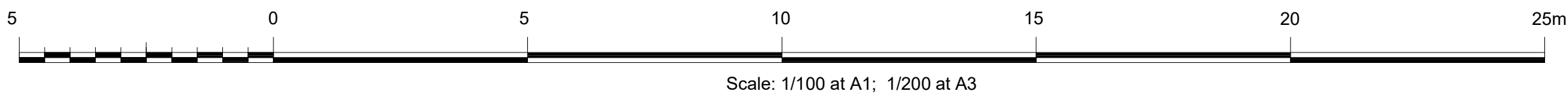


Cartershill ditch 3 CS LO45.0006
Centre OSNG Coordinates E.476347.27 N.168308.52

LEGEND FOR SURFACE & VEGETATION CHANGES:
ABOVE GROUND VEGETATION & SEPARATOR
GROUND SURFACE & SEPARATOR
SUGGESTED MANNINGS VALUES IN BLUE TEXT
SURVEYED BY GPS TO OSNG. LEVEL DATUM OSGM15.
ALL SECTIONS SHOWN PERPENDICULAR TO WATERCOURSE

Light
Trees
stone

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I
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Client		Project	
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT		Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	
Surveyed: W.M.	Apprd: R.J.FLEW	ISMLLODDON GARDEN VILLAGE PROJECT: LO45 - Cartershill ditch 3	
Date: November 2021	File Ref: 1829	ISMLLODDON GARDEN VILLAGE-LO45-X-01	
Scale: 1/100 at A1; 1/200 at A3	Datum: OSTN15/OSGM15		

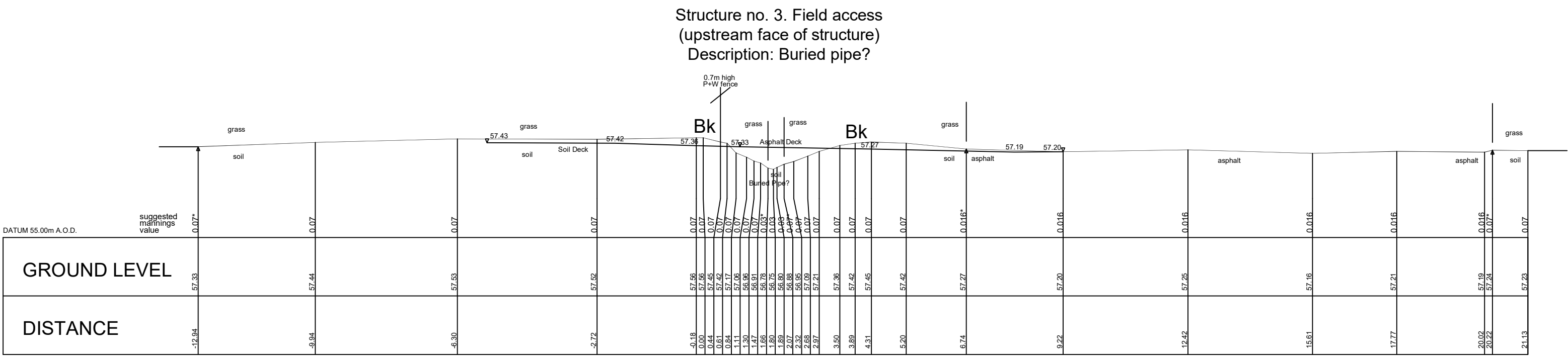


SURVEYS AND MAPPING
CHARTERED SURVEYORS

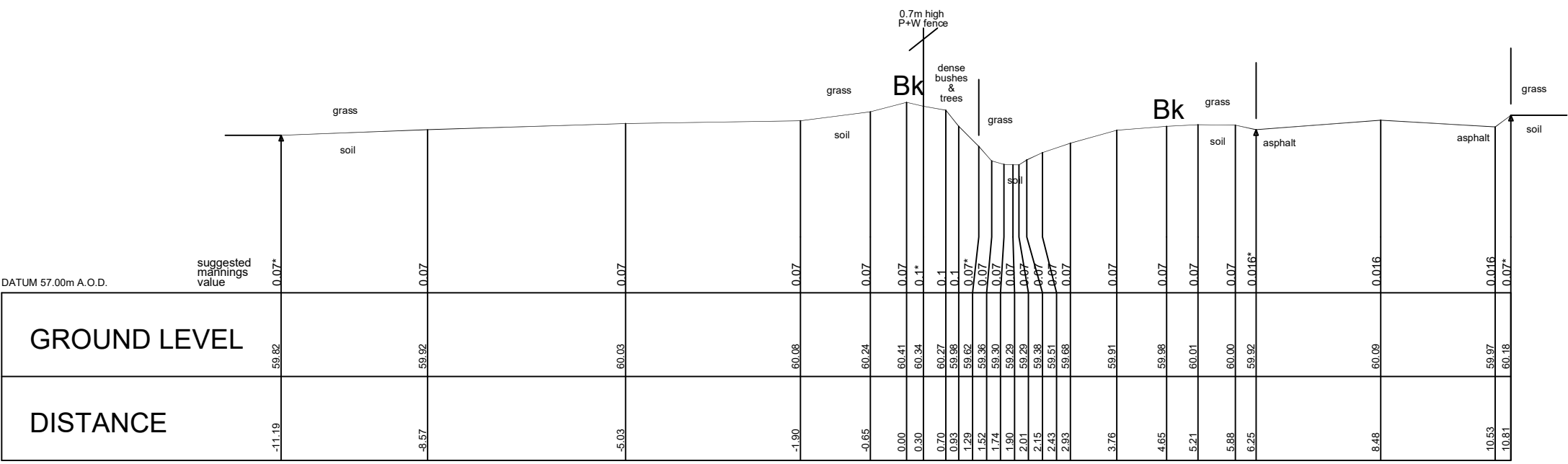
Seymours House
Sunnyside Road North
Weston-super-Mare
North Somerset BS23 3PZ
Tel: 01934 644060 Fax 01934 644060
E-mail: mail@infomapsurveys.co.uk
Website: www.infomapsurveys.co.uk

RICS
QMS
REGISTERED FIRM

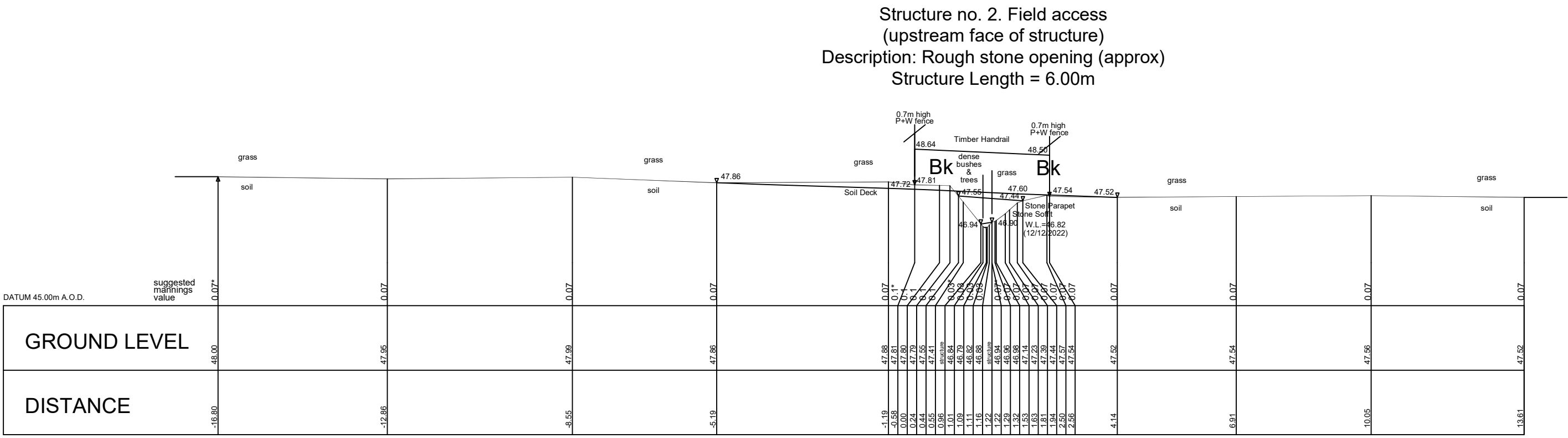
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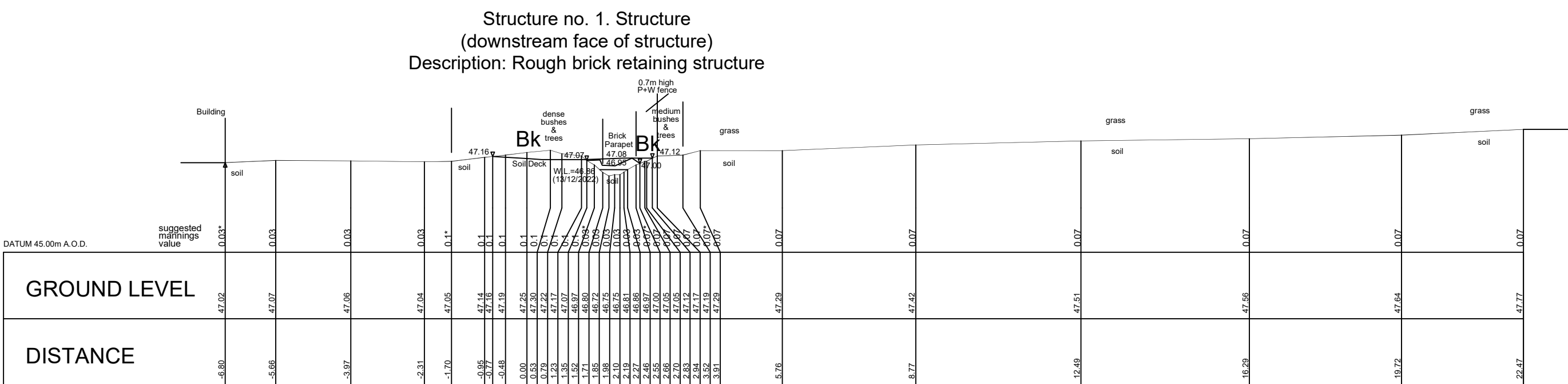
Mole Road Ditch 1 CS LO46.0382
Centre OSNG Coordinates E.476105.44 N.167747.08



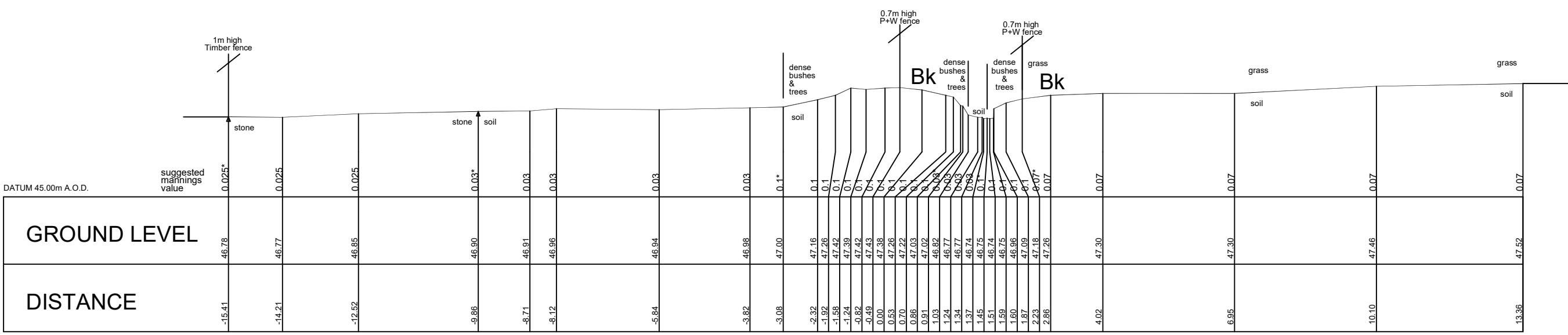
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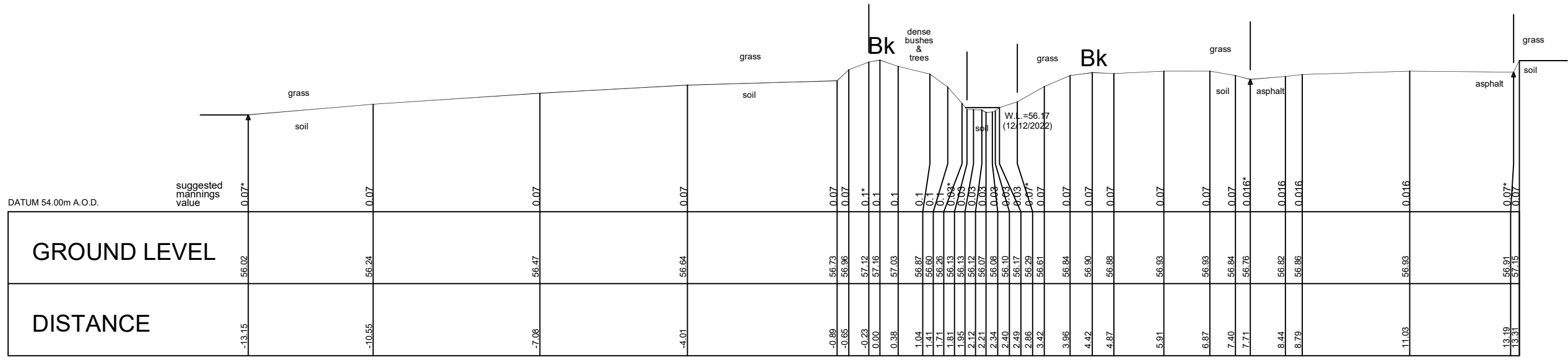


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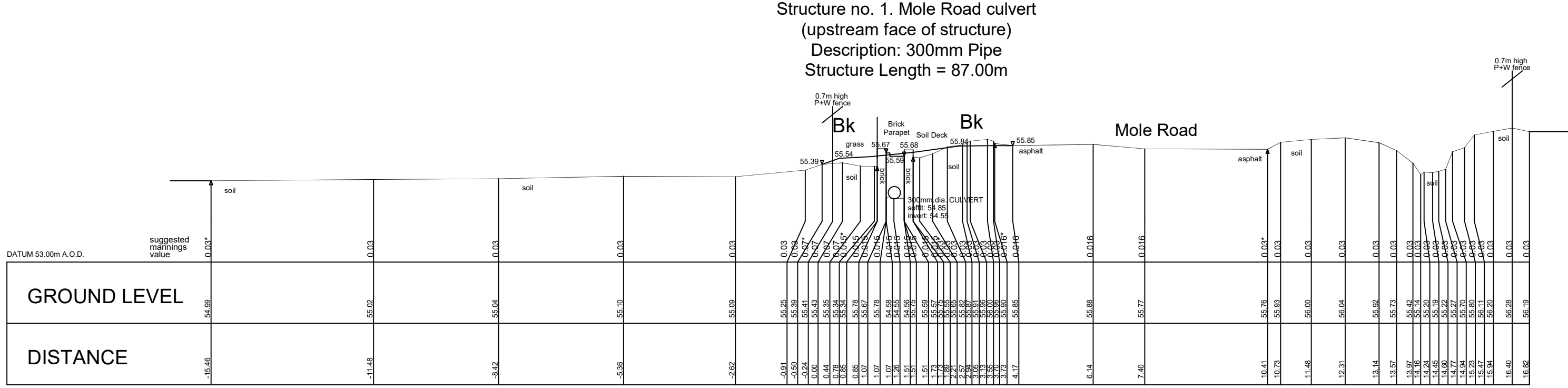


Mole Road Ditch 1 CS LO46.0043
Centre OSNG Coordinates E.476408.17 N.167865.21

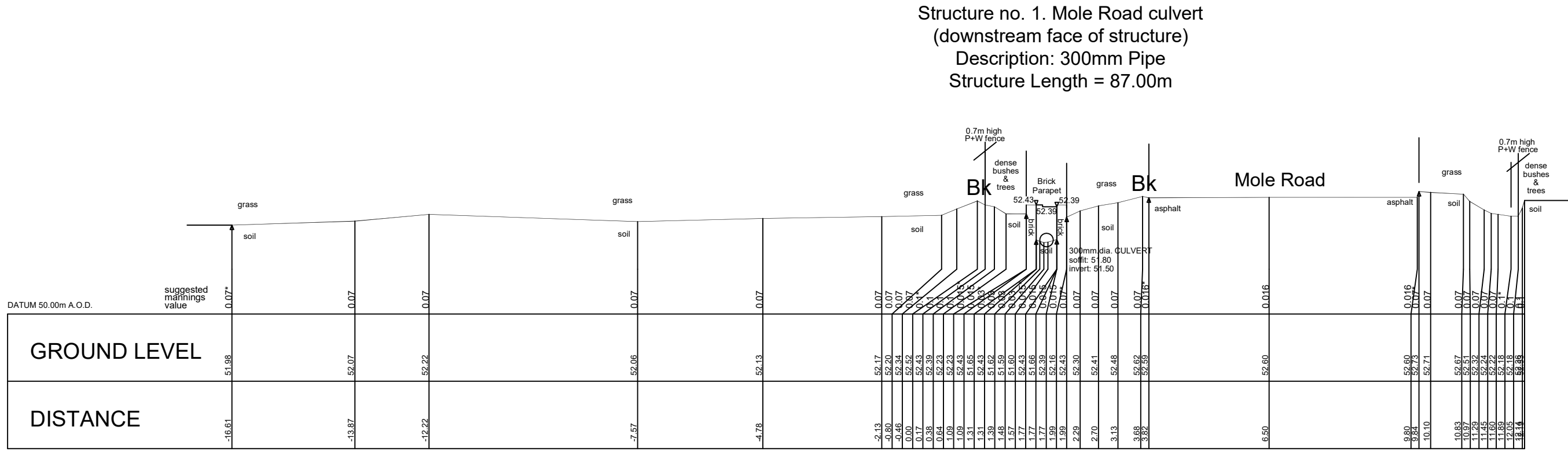




Mole Road ditch 2 CS LO47.0187
Centre OSNG Coordinates E.476121.20 N.167735.33

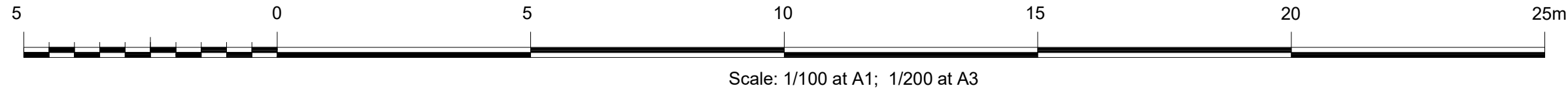


Mole Road ditch 2 CS LO47.0092
Centre OSNG Coordinates E.476211.31 N.167738.52

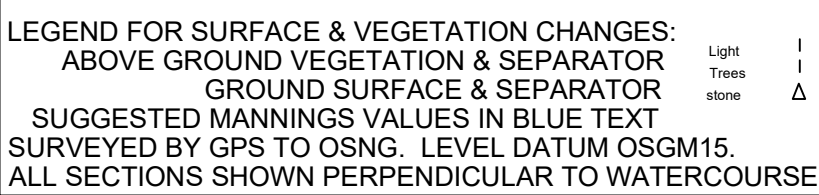
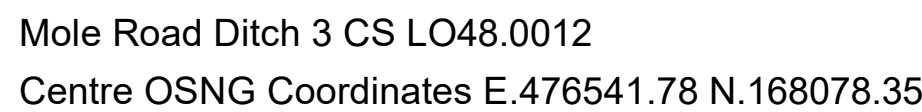
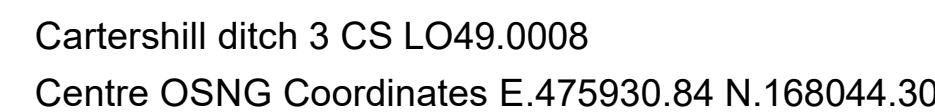
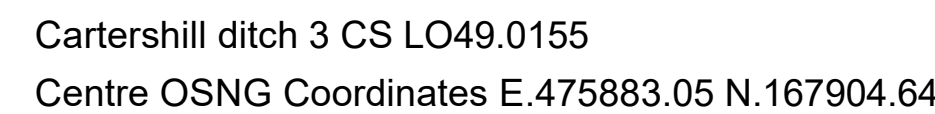
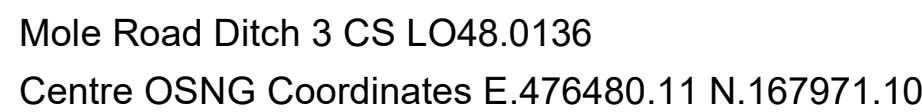


Mole Road ditch 2 CS LO47.0004
Centre OSNG Coordinates E.476289.91 N.167776.33

LEGEND FOR SURFACE & VEGETATION CHANGES:
 ABOVE GROUND VEGETATION & SEPARATOR
 GROUND SURFACE & SEPARATOR
 SUGGESTED MANNINGS VALUES IN BLUE TEXT
 SURVEYED BY GPS TO OSNG. LEVEL DATUM OSGM15.
 ALL SECTIONS SHOWN PERPENDICULAR TO WATERCOURSE

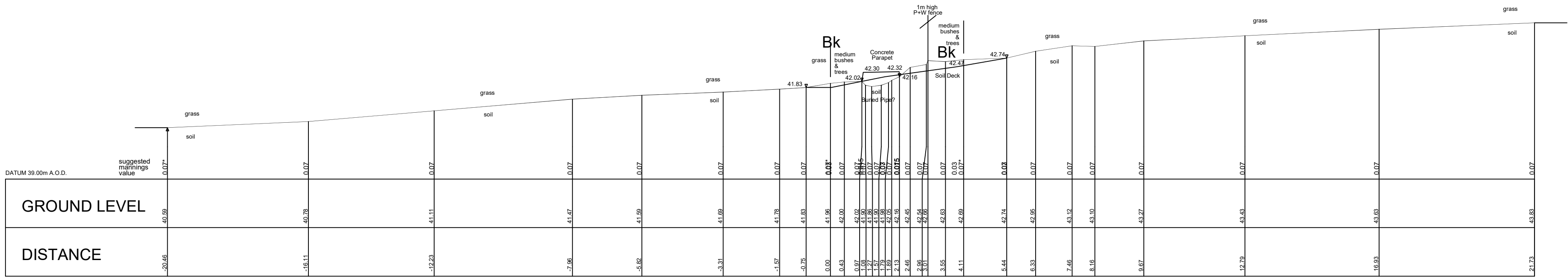


Client		Project		 INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk RICS 
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT		Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading		
Surveyed: W.M.		Apprd:	R.J.FLEW	
Date: November 2021		File Ref:	1829	
Scale: 1/100 at A1; 1/200 at A3		Datum	OSTN15/OSGM15	
DRAWING REFERENCE				
ISM/LODDON GARDEN VILLAGE PROJECT: LO47 - Mole Road Ditch 2				
ISM-LODDON GARDEN VILLAGE-LO47X-01				

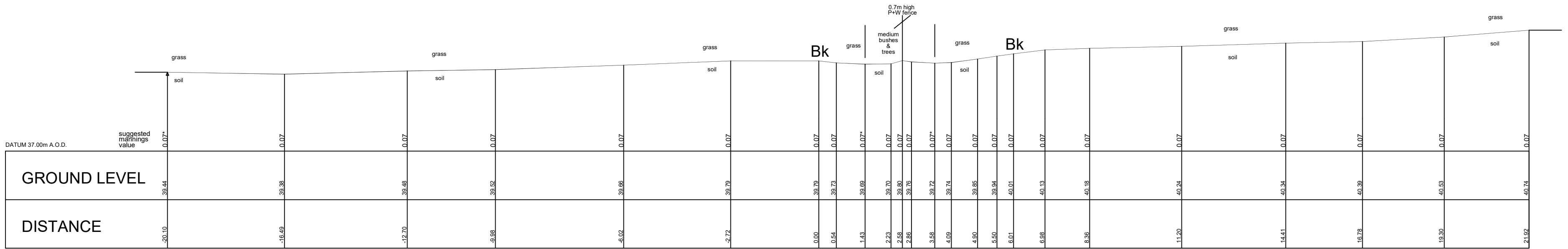


Client	Project	 INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 / fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT	Loddon Garden Village Project Watercourses Survey Shinfield to Winners Reading	
Surveyed: W.M.	Apprd: R.J.FLEW	
Date: November 2021	File Ref: 1829	
Scale: 1/100 at A1; 1/200 at A3	Datum OSTN15/OSGM15	 RICS  Drawing Reference ISM/LODDON GARDEN VILLAGE PROJECT: L048 - Mole Road Ditch 3, L049 - Monks Cottage Ditch ISM-LODDON GARDEN VILLAGE-L048-L049-X-0

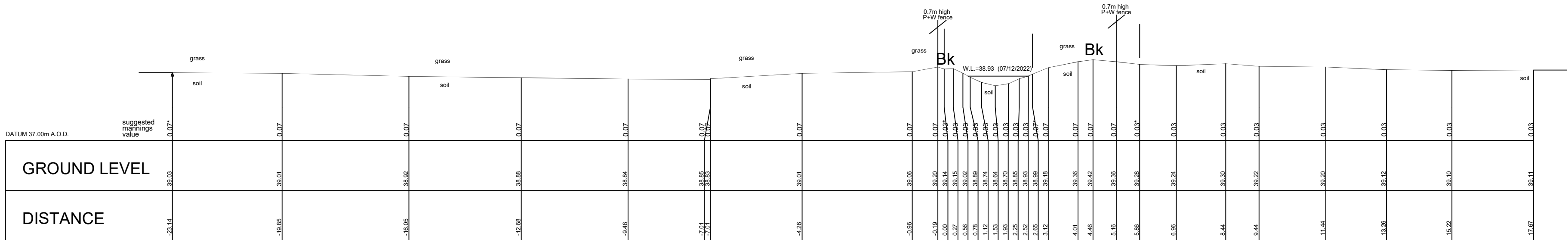
Structure no. 1. Drain outlet
(downstream face of structure)
Description: Concrete headwall



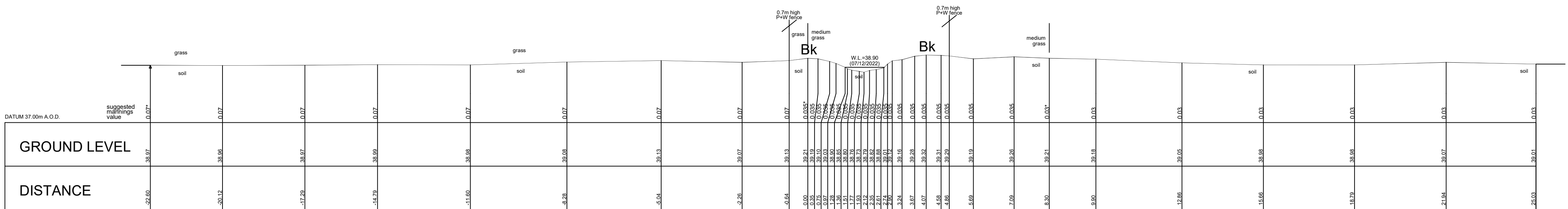
Julkes House ditch CS LO50.0355
Centre OSNG Coordinates E.476084.61 N.169231.37



Julkes House ditch CS LO50.0231
Centre OSNG Coordinates E.476014.92 N.169333.24



Julkes House ditch CS LO50.0044
Centre OSNG Coordinates E.475939.80 N.169500.32

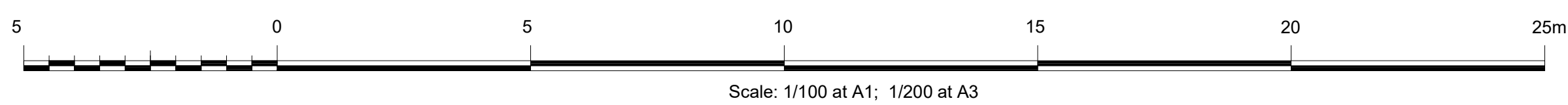


Julkes House ditch CS LO50.0019
Centre OSNG Coordinates E.475920.09 N.169515.99

LEGEND FOR SURFACE & VEGETATION CHANGES:
ABOVE GROUND VEGETATION & SEPARATOR
GROUND SURFACE & SEPARATOR
SUGGESTED MANNINGS VALUES IN BLUE TEXT
SURVEYED BY GPS TO OSNG. LEVEL DATUM OSGM15.
ALL SECTIONS SHOWN PERPENDICULAR TO WATERCOURSE

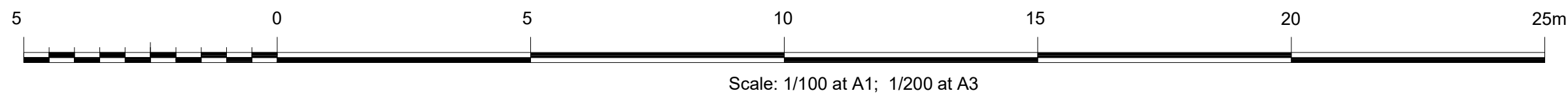
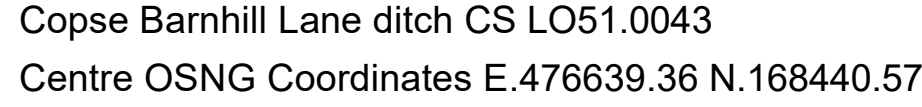
Light
Trees
stone

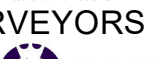
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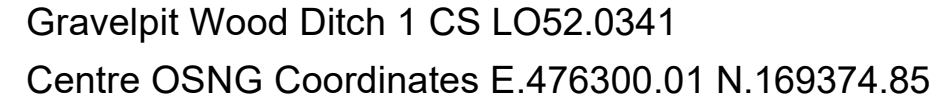
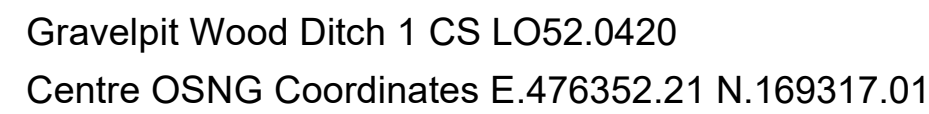


Scale: 1/100 at A1; 1/200 at A3

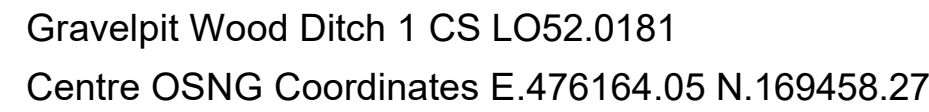
Client	Project	 SURVEYS AND MAPPING CHARTERED SURVEYORS  RICS REGISTERED FIRM Seymours House Sunraysia Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 Fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT	Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	
Surveyed: W.M.	Apprd: R.J.FLEW	ISM/LODDON GARDEN VILLAGE PROJECT: LO50 - Julkes House ditch
Date: November 2021	File Ref: 1829	ISM-LODDON GARDEN VILLAGE-LO50-X-01
Scale: 1/100 at A1; 1/200 at A3	Datum OSTN15/OSGM15	



Client	Project	 INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS  Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 844060 fax 01934 844060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk 	
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT	Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	DRAWING REFERENCE ISMI/LODDON GARDEN VILLAGE PROJECT: LO51 - Copse Barnhill Lane ditch ISMI/LODDON GARDEN VILLAGE-LO51-X-01	
Surveyed: W.M. Date: November 2021 Scale: 1/100 at A1; 1/200 at A3	Appr'd: R.J.FLEW File Ref: 1829 Datum: OSTN15/OSGM15		



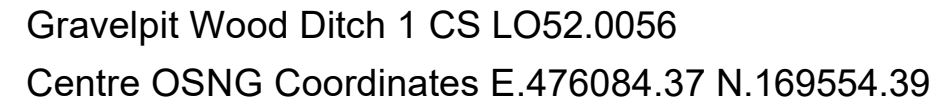
Centre OSNG Coordinates E.476300.01 N.169374.85



0.8m high
P+W fence

medium
bushes
&

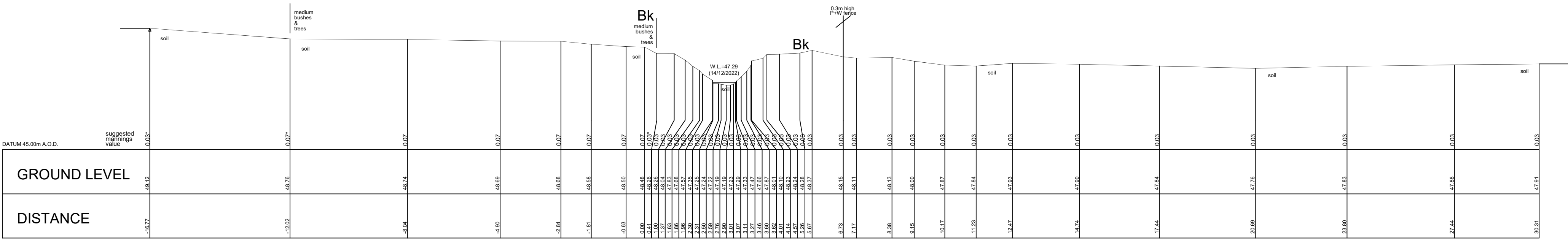
dense
bushes



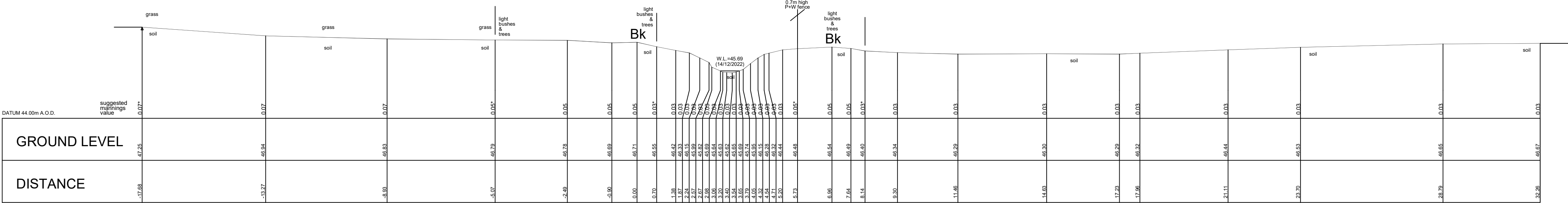
Light
Trees
stone



Client Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford RG17 0YT	Project Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	 INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS Seymour House Sunnyside Road North Wotton-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 / fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk   ISO 9001 REGISTERED FIRM
Surveyed: W.M. Date: November 2021 Scale: 1/100 at A1; 1/200 at A3		DRAWING REFERENCE ISM/LODDON GARDEN VILLAGE PROJECT LO52 - Gravelpit Wood Ditch 1 ISM-LODDON GARDEN VILLAGE-LO52-X-01
Appr'd: File Ref: Datum	R.J.FLEW 1829 OSTN15/OSGM15	

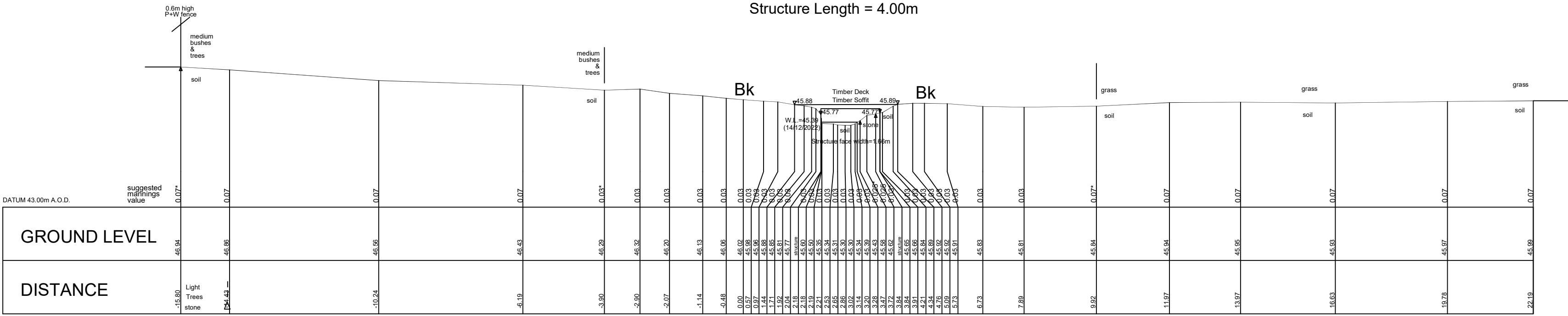


Gravelpit Wood Ditch 1 CS LO52.0701
Centre OSNG Coordinates E.476530.81 N.169101.85



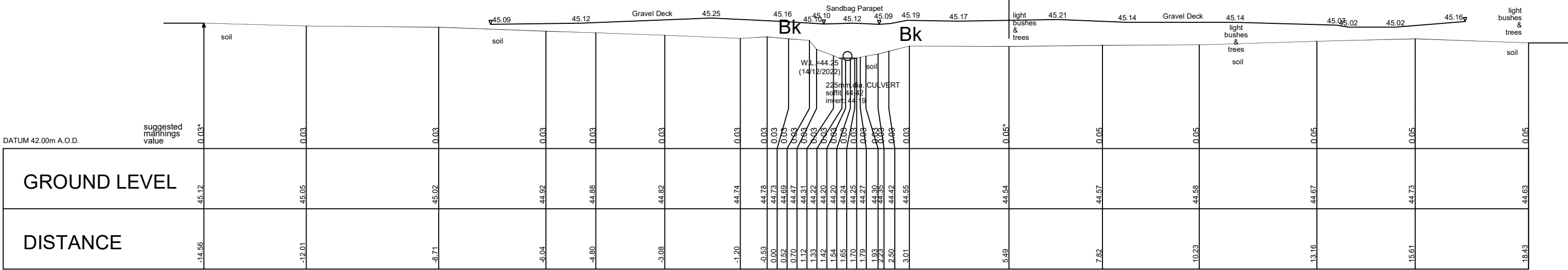
Gravelpit Wood Ditch 1 CS LO52.0576
Centre OSNG Coordinates E.476451.35 N.169198.95

Structure no. 4. Timber footbridge
(upstream face of structure)
Description: Timber planks
Structure Length = 4.00m



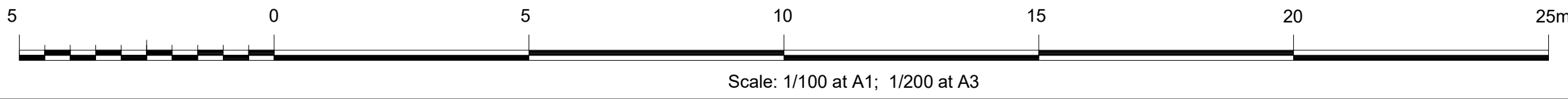
Gravelpit Wood Ditch 1 CS LO52.0519
Centre OSNG Coordinates E.476417.05 N.169244.09

Structure no. 3. Loader's Lane culvert
(upstream face of structure)
Description: 225mm Pipe

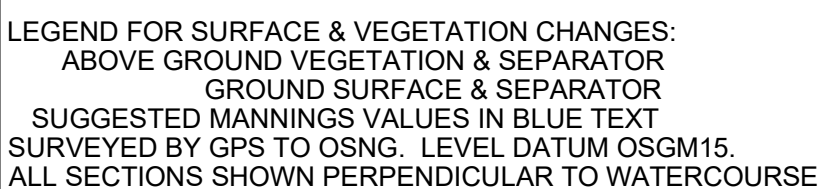
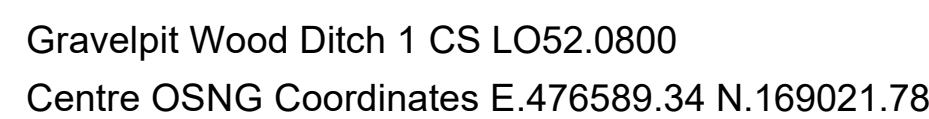
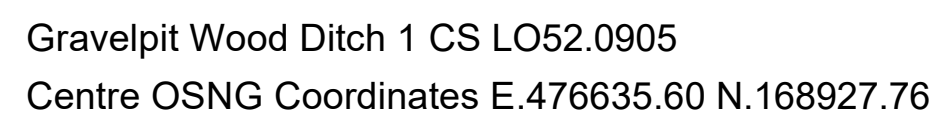


Gravelpit Wood Ditch 1 CS LO52.0427
Centre OSNG Coordinates E.476355.89 N.169311.42

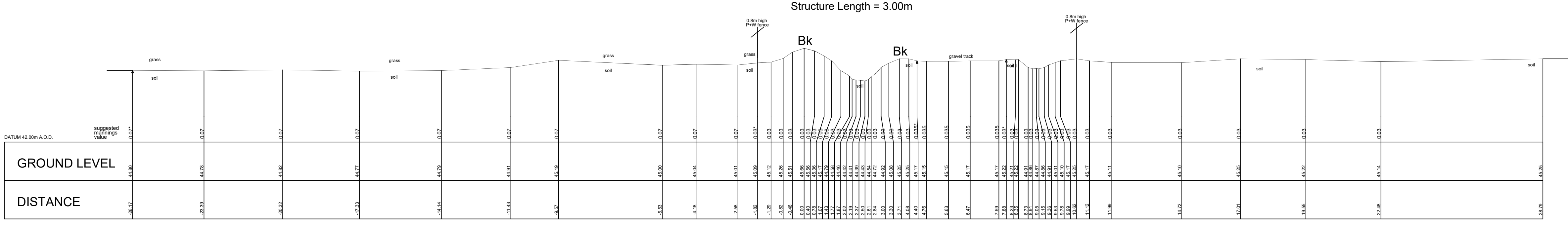
LEGEND FOR SURFACE & VEGETATION CHANGES:
ABOVE GROUND VEGETATION & SEPARATOR
GROUND SURFACE & SEPARATOR
SUGGESTED MANNINGS VALUES IN BLUE TEXT
SURVEYED BY GPS TO OSNG. LEVEL DATUM OSGM15.
ALL SECTIONS SHOWN PERPENDICULAR TO WATERCOURSE

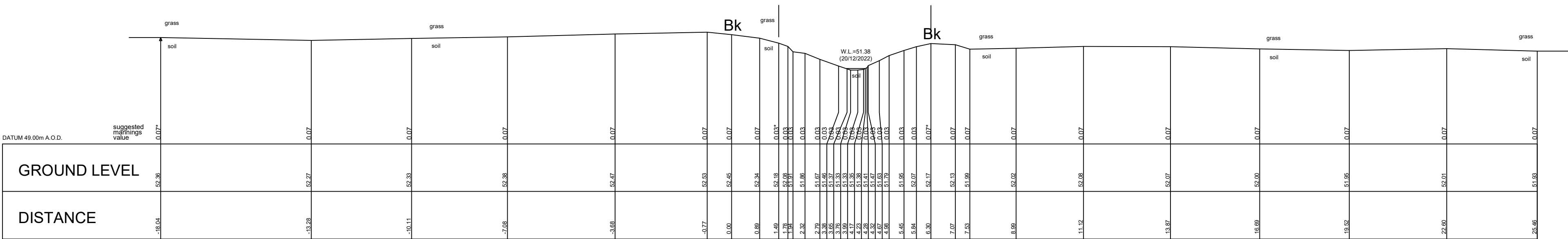


Client		Project	
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT		Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	
Surveyed: W.M.		Apprd: R.J.FLEW	ISMLLODDON GARDEN VILLAGE PROJECT: LO52 - Gravelpit Wood Ditch 1 ISM-LLODDON GARDEN VILLAGE-LO52-X-01
Date: November 2021		File Ref: 1829	
Scale: 1/100 at A1; 1/200 at A3		Datum: OSTN15/OSGM15	

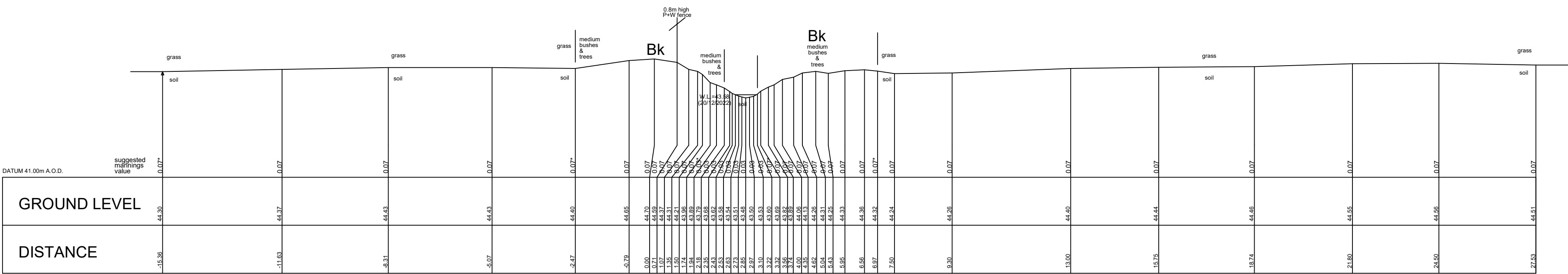


Client Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT	Project Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	 SURVEYS AND MAPPING CHARTERED SURVEYORS Seymours House Sunnyside Road North Wootton-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 / fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk  
Surveyed: W.M. Date: November 2021 Scale: 1/100 at A1; 1/200 at A3	Apprd: R.J. FLEW File Ref: 1829 Datum: OSTN15/OSGM15	DRAWING REFERENCE ISM/LODDON GARDEN VILLAGE PROJECT LO52 - Gravelpit Wood Ditch 1 ISM-LODDON GARDEN VILLAGE-LO52-X-01





Sanjoe House ditch CS LO55.0188
Centre OSNG Coordinates E.476260.31 N.168635.96

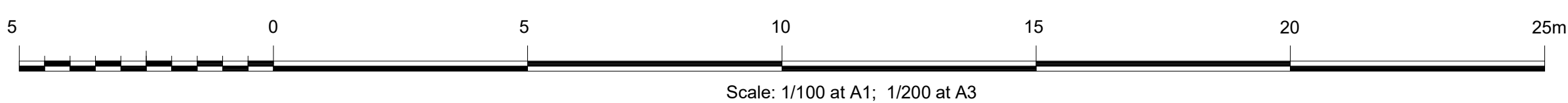


Sanjoe House ditch CS LO55.0045
Centre OSNG Coordinates E.476337.98 N.168756.07

LEGEND FOR SURFACE & VEGETATION CHANGES:
ABOVE GROUND VEGETATION & SEPARATOR
GROUND SURFACE & SEPARATOR
SUGGESTED MANNINGS VALUES IN BLUE TEXT
SURVEYED BY GPS TO OSNG. LEVEL DATUM OSGM15.
ALL SECTIONS SHOWN PERPENDICULAR TO WATERCOURSE

Light
Trees
stone

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I
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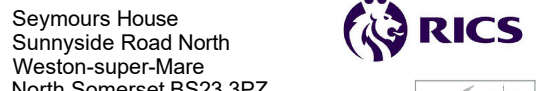


Client		Project	
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT		Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	
Surveyed: W.M.	Apprd: R.J.FLEW	ISM/LODDON GARDEN VILLAGE PROJECT: LO55 - Sanjoe House ditch	
Date: November 2021	File Ref: 1829	ISM-LODDON GARDEN VILLAGE-LO55X-01	
Scale: 1/100 at A1; 1/200 at A3	Datum: OSTN15/OSGM15		



INFOMAP
SURVEYS AND MAPPING
CHARTERED SURVEYORS

Seymour's House
Sunnyside Road North
Weston-super-Mare
North Somerset BS23 3PZ
Tel: 01934 644060 Fax 01934 644060
E-mail: mail@infomapsurveys.co.uk
Website: www.infomapsurveys.co.uk



RICS
REGISTERED FIRM

DRAWING REFERENCE

[illegible]

The diagram illustrates a cross-section of a road profile. The top part shows the terrain with labels: 'grass', 'dense brush & trees', 'Bk' (bank), '1.1m high (19/12/2002)', 'dense brush & trees', and 'Bk'. The bottom part is a table with three columns: 'suggested moltings value', 'DISTANCE', and 'GROUND LEVEL'. The table contains data points for various locations along the profile.

suggested moltings value	DISTANCE	GROUND LEVEL
0.04	-6.14	44.27
0.04	-6.32	44.27
0.04	-3.31	44.26
0.1	-1.80	44.36
0.1	-0.57	44.37
0.1	0.04	44.03
0.1	0.28	43.72
0.1	0.36	43.54
0.1	0.39	43.54
0.1	0.46	43.45
0.1	0.48	43.44
0.1	0.56	43.51
0.1	0.58	43.56
0.1	0.61	44.15

[illegible]

FOR SURFACE & VEGETATION CHANGES:
 VE GROUND VEGETATION & SEPARATOR Light |
 GROUND SURFACE & SEPARATOR Trees |
 TESTED MANNINGS VALUES IN BLUE TEXT stone Δ
 ED BY GPS TO OSG. LEVEL DATUM OSGM15.

[illegible][illegible]

Figure 10: Proposed road profile. The diagram shows a cross-section of a road with various vegetation types (grass, P-W, dense brush trees, Bk, dense brush trees, Bk, dense brush & trees, grass) and a suggested rainfall value of 0.04. The profile includes a road surface, a 2.0% slope, and a 0.04% slope. The road is 10.0m wide. The profile is labeled with 'Bk' and 'Bk' and includes a note 'WL-51.33 (201/2020)'.

[illegible]

The diagram illustrates a cross-section of a road profile. The top part shows the ground surface with various vegetation types: 'dense brush & trees' on the left, 'dense brush & trees' in the middle, 'medium brush & trees' on the right, and 'closed hedge' on the far right. A '1.2m high P-W fence' is indicated near the first 'dense brush & trees' area. The ground surface is labeled 'Sol' (Soil) at several points. Below the ground surface, a horizontal line represents the 'suggested railings value'. The bottom part of the diagram shows the 'GROUND LEVEL' and 'DISTANCE' scales. The 'GROUND LEVEL' scale ranges from 49.03 to 49.11. The 'DISTANCE' scale ranges from -4.96 to 1.89. The 'DISTANCE' scale is marked with values: -4.96, -3.75, -2.95, -1.72, -0.50, 0.72, 1.00, 1.28, 1.56, 1.84, 2.12, 2.40, 2.68, 2.96, 3.24, 3.52, 3.80, 4.08, 4.36, 4.64, 4.92, 5.20, 5.48, 5.76, 6.04, 6.32, 6.60, 6.88, 7.16, 7.44, 7.72, 8.00, 8.28, 8.56, 8.84, 9.12, 9.40, 9.68, 9.96, 10.24, 10.52, 10.80, 11.08, 11.36, 11.64, 11.92, 12.20, 12.48, 12.76, 13.04, 13.32, 13.60, 13.88, 14.16, 14.44, 14.72, 15.00, 15.28, 15.56, 15.84, 16.12, 16.40, 16.68, 16.96, 17.24, 17.52, 17.80, 18.08, 18.36, 18.64, 18.92, 19.20, 19.48, 19.76, 20.04, 20.32, 20.60, 20.88, 21.16, 21.44, 21.72, 22.00, 22.28, 22.56, 22.84, 23.12, 23.40, 23.68, 23.96, 24.24, 24.52, 24.80, 25.08, 25.36, 25.64, 25.92, 26.20, 26.48, 26.76, 27.04, 27.32, 27.60, 27.88, 28.16, 28.44, 28.72, 29.00, 29.28, 29.56, 29.84, 30.12, 30.40, 30.68, 30.96, 31.24, 31.52, 31.80, 32.08, 32.36, 32.64, 32.92, 33.20, 33.48, 33.76, 34.04, 34.32, 34.60, 34.88, 35.16, 35.44, 35.72, 36.00, 36.28, 36.56, 36.84, 37.12, 37.40, 37.68, 37.96, 38.24, 38.52, 38.80, 39.08, 39.36, 39.64, 39.92, 40.20, 40.48, 40.76, 41.04, 41.32, 41.60, 41.88, 42.16, 42.44, 42.72, 43.00, 43.28, 43.56, 43.84, 44.12, 44.40, 44.68, 44.96, 45.24, 45.52, 45.80, 46.08, 46.36, 46.64, 46.92, 47.20, 47.48, 47.76, 48.04, 48.32, 48.60, 48.88, 49.16, 49.44, 49.72, 50.00, 50.28, 50.56, 50.84, 51.12, 51.40, 51.68, 51.96, 52.24, 52.52, 52.80, 53.08, 53.36, 53.64, 53.92, 54.20, 54.48, 54.76, 55.04, 55.32, 55.60, 55.88, 56.16, 56.44, 56.72, 57.00, 57.28, 57.56, 57.84, 58.12, 58.40, 58.68, 58.96, 59.24, 59.52, 59.80, 60.08, 60.36, 60.64, 60.92, 61.20, 61.48, 61.76, 62.04, 62.32, 62.60, 62.88, 63.16, 63.44, 63.72, 64.00, 64.28, 64.56, 64.84, 65.12, 65.40, 65.68, 65.96, 66.24, 66.52, 66.80, 67.08, 67.36, 67.64, 67.92, 68.20, 68.48, 68.76, 69.04, 69.32, 69.60, 69.88, 70.16, 70.44, 70.72, 71.00, 71.28, 71.56, 71.84, 72.12, 72.40, 72.68, 72.96, 73.24, 73.52, 73.80, 74.08, 74.36, 74.64, 74.92, 75.20, 75.48, 75.76, 76.04, 76.32, 76.60, 76.88, 77.16, 77.44, 77.72, 78.00, 78.28, 78.56, 78.84, 79.12, 79.40, 79.68, 79.96, 80.24, 80.52, 80.80, 81.08, 81.36, 81.64, 81.92, 82.20, 82.48, 82.76, 83.04, 83.32, 83.60, 83.88, 84.16, 84.44, 84.72, 85.00, 85.28, 85.56, 85.84, 86.12, 86.40, 86.68, 86.96, 87.24, 87.52, 87.80, 88.08, 88.36, 88.64, 88.92, 89.20, 89.48, 89.76, 90.04, 90.32, 90.60, 90.88, 91.16, 91.44, 91.72, 92.00, 92.28, 92.56, 92.84, 93.12, 93.40, 93.68, 93.96, 94.24, 94.52, 94.80, 95.08, 95.36, 95.64, 95.92, 96.20, 96.48, 96.76, 97.04, 97.32, 97.60, 97.88, 98.16, 98.44, 98.72, 99.00, 99.28, 99.56, 99.84, 100.12, 100.40, 100.68, 100.96, 101.24, 101.52, 101.80, 102.08, 102.36, 102.64, 102.92, 103.20, 103.48, 103.76, 104.04, 104.32, 104.60, 104.88, 105.16, 105.44, 105.72, 106.00, 106.28, 106.56, 106.84, 107.12, 107.40, 107.68, 107.96, 108.24, 108.52, 108.80, 109.08, 109.36, 109.64, 109.92, 110.20, 110.48, 110.76, 111.04, 111.32, 111.60, 111.88, 112.16, 112.44, 112.72, 113.00, 113.28, 113.56, 113.84, 114.12, 114.40, 114.68, 114.96, 115.24, 115.52, 115.80, 116.08, 116.36, 116.64, 116.92, 117.20, 117.48, 117.76, 118.04, 118.32, 118.60, 118.88, 119.16, 119.44, 119.72, 120.00, 120.28, 120.56, 120.84, 121.12, 121.40, 121.68, 121.96, 122.24, 122.52, 122.80, 123.08, 123.36, 123.64, 123.92, 124.20, 124.48, 124.76, 125.04, 125.32, 125.60, 125.88, 126.16, 126.44, 126.72, 127.00, 127.28, 127.56, 127.84, 128.12, 128.40, 128.68, 128.96, 129.24, 129.52, 129.80, 130.08, 130.36, 130.64, 130.92, 131.20, 131.48, 131.76, 132.04, 132.32, 132.60, 132.88, 133.16, 133.44, 133.72, 134.00, 134.28, 134.56, 134.84, 135.12, 135.40, 135.68, 135.96, 136.24, 136.52, 136.80, 137.08, 137.36, 137.64, 137.92, 138.20, 138.48, 138.76, 139.04, 139.32, 139.60, 139.88, 140.16, 140.44, 140.72, 141.00, 141.28, 141.56, 141.84, 142.12, 142.40, 142.68, 142.96, 143.24, 143.52, 143.80, 144.08, 144.36, 144.64, 144.92, 145.20, 145.48, 145.76, 146.04, 146.32, 146.60, 146.88, 147.16, 147.44, 147.72, 148.00, 148.28, 148.56

Client	Project	 INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS	
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Chamham Park Hungerford, RG17 0YT	Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading	 RICS Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 fax 01934 644060 E-mail: mail@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk	
			
		DRAWING REFERENCE	
Surveyed: D.J. & S.H. Date: December 2022	Apprd: R.J.FLEW File Ref: 1829	ISM\LODDON GARDEN VILLAGE PROJECT: L056 - Hatch Farm Drain	
Scale: 1/100 at A1; 1/200 at A3	Datum OSTN15/OSGM15	ISM\LODDON GARDEN VILLAGE-L056-X-01	

 **INFOMAP**
SURVEYS AND MAPPING
CHARTERED SURVEYORS

Seymours House
Sunnyside Road North
Weston-super-Mare
North Somerset BS23 3PZ
Tel: 01934 644060 / fax 01934 644060
E-mail: mail@infomapsurveys.co.uk
Website: www.infomapsurveys.co.uk

 **RICS**


ISO 9001
REGISTERED FIRM

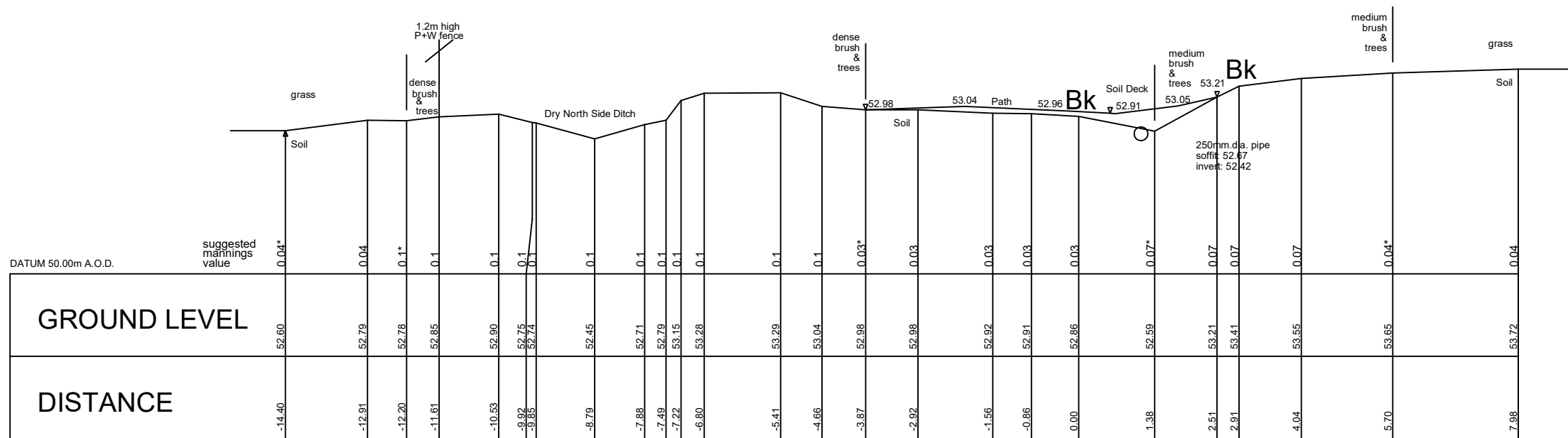
ISM/LODDON GARDEN VILLAGE PROJECT:
LO56 - Hatch Farm Drain

The diagram illustrates a cross-section of a road and bridge structure. Key components and labels include:

- Top Layer:** dense brush & trees (54.45)
- Bridge Deck:** Asphalt Deck (54.44)
- Bridge Structure:** Brick Pavepat (54.43)
- Subgrade:** medium brush & trees (54.42)
- Soil:** (54.41)
- Asphalt:** (54.40)
- Pipe:** 350mm dia. pipe (54.39)
- Ground Level:** (54.38)
- Distance:** (54.37)
- DATUM:** 50.00m A.O.D.
- Suggested Readings Value:** (54.36)

The diagram is divided into two main sections: **GROUND LEVEL** and **DISTANCE**. The **GROUND LEVEL** section shows elevations from 54.41 to 54.45. The **DISTANCE** section shows distances from -1.83 to 0.30. The diagram also includes a scale bar and a north arrow.

Structure no. 1. Gipsy Lane South Outfall Pipe
(downstream face of structure)
Description: 250mm plastic pipe
Structure Length = 5.00m



Gipsy Lane South CS LO58.0130
Centre OSNG Coordinates E.477010.56 N.169481.98

Figure 10.10 illustrates a cross-section of a road with a 10% grade. The diagram shows the road surface, shoulders, and existing ground. Key points include the 'Track Grade' at the top, 'Bk' (Back) points on the shoulders, and 'SOL' (Subgrade of Existing) points at the base. Elevation markers are provided for various points: 52.50, 52.48, 52.25, 52.22, 51.96, 51.75, 51.60, 51.37, 51.24, 51.08, 50.88, and 50.68. A 'light drain & trench' is shown on the left shoulder, and a 'light drain & trench' is shown on the right shoulder. A 'Soil' layer is indicated on both sides. A 'suggested manhole valve' is marked on the left side. The 'DATUM 50.00m A.O.D.' is indicated at the bottom left. The 'DISTANCE' is marked at the bottom right.

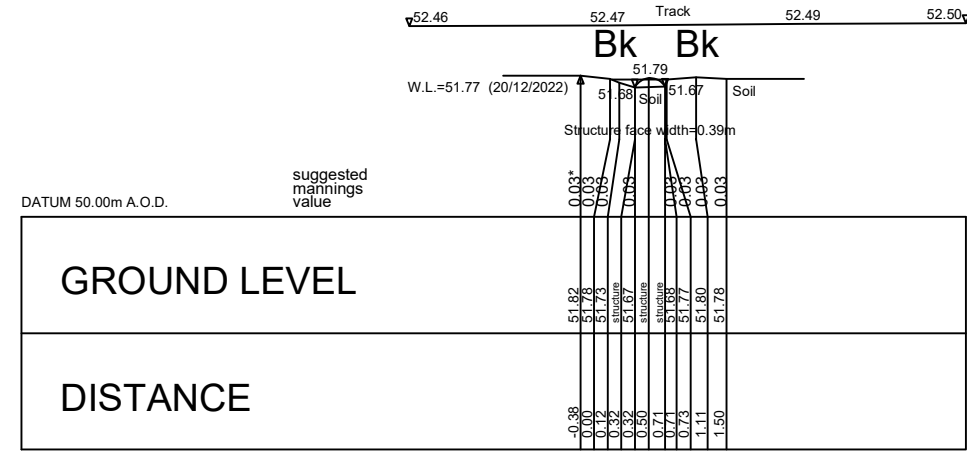
DATUM 50.00m A.O.D.

DISTANCE	GROUND LEVEL
-11.17	50.45
-10.92	50.44
-10.67	50.43
-10.42	50.42
-10.17	50.41
-9.92	50.40
-9.67	50.39
-9.42	50.38
-9.17	50.37
-8.92	50.36
-8.67	50.35
-8.42	50.34
-8.17	50.33
-7.92	50.32
-7.67	50.31
-7.42	50.30
-7.17	50.29
-6.92	50.28
-6.67	50.27
-6.42	50.26
-6.17	50.25
-5.92	50.24
-5.67	50.23
-5.42	50.22
-5.17	50.21
-4.92	50.20
-4.67	50.19
-4.42	50.18
-4.17	50.17
-3.92	50.16
-3.67	50.15
-3.42	50.14
-3.17	50.13
-2.92	50.12
-2.67	50.11
-2.42	50.10
-2.17	50.09
-1.92	50.08
-1.67	50.07
-1.42	50.06
-1.17	50.05
-0.92	50.04
-0.67	50.03
-0.42	50.02
-0.17	50.01
0.08	50.00
0.33	49.99
0.58	49.98
0.83	49.97
1.08	49.96
1.33	49.95
1.58	49.94
1.83	49.93
2.08	49.92
2.33	49.91
2.58	49.90
2.83	49.89
3.08	49.88
3.33	49.87
3.58	49.86
3.83	49.85
4.08	49.84
4.33	49.83
4.58	49.82
4.83	49.81
5.08	49.80
5.33	49.79
5.58	49.78
5.83	49.77
6.08	49.76
6.33	49.75
6.58	49.74
6.83	49.73
7.08	49.72
7.33	49.71
7.58	49.70
7.83	49.69
8.08	49.68
8.33	49.67
8.58	49.66
8.83	49.65
9.08	49.64
9.33	49.63
9.58	49.62
9.83	49.61
10.08	49.60
10.33	49.59
10.58	49.58
10.83	49.57
11.08	49.56
11.33	49.55
11.58	49.54
11.83	49.53
12.08	49.52
12.33	49.51
12.58	49.50
12.83	49.49
13.08	49.48
13.33	49.47
13.58	49.46
13.83	49.45
14.08	49.44
14.33	49.43
14.58	49.42
14.83	49.41
15.08	49.40
15.33	49.39
15.58	49.38
15.83	49.37
16.08	49.36
16.33	49.35
16.58	49.34
16.83	49.33
17.08	49.32
17.33	49.31
17.58	49.30
17.83	49.29
18.08	49.28
18.33	49.27
18.58	49.26
18.83	49.25
19.08	49.24
19.33	49.23
19.58	49.22
19.83	49.21
20.08	49.20
20.33	49.19
20.58	49.18
20.83	49.17
21.08	49.16
21.33	49.15
21.58	49.14
21.83	49.13
22.08	49.12
22.33	49.11
22.	

Gipsy Lane South CS LO58.0043
Centre OSNG Coordinates E.477066.86 N.169547.93

[illegible]

Structure no. 1. Gipsy Lane Culvert
(downstream face of structure)
Description: Partially blocked pipe
Structure Length = 7.80m



Scale: 1/100 at A1; 1/200 at A3

Client				 INFOMAP SURVEYS AND MAPPING CHARTERED SURVEYORS  Seymours House Sunnyside Road North Weston-super-Mare North Somerset BS23 3PZ Tel: 01934 644060 /fax 01934 644060 E-mail: info@infomapsurveys.co.uk Website: www.infomapsurveys.co.uk 
Abley Letchford Partnership Ltd Consulting Engineers 3 Tealgate, Charnham Park Hungerford, RG17 0YT		Loddon Garden Village Project Watercourses Survey Shinfield to Winnersh Reading		
Surveyed: D.J. & S.H. Date: December 2022 Scale: 1/100 at A1: 1/200 at A3	Appr'd: File Ref: Datum	R.J.FLEW 1829 OSTN15/OSGM15		DRAWING REFERENCE ISM/LODDON GARDEN VILLAGE PROJECT: L057 - Harrow Way Drain, L058 - Gipsy Lane ISM/LODDON GARDEN VILLAGE/LO574/LO58-0-0

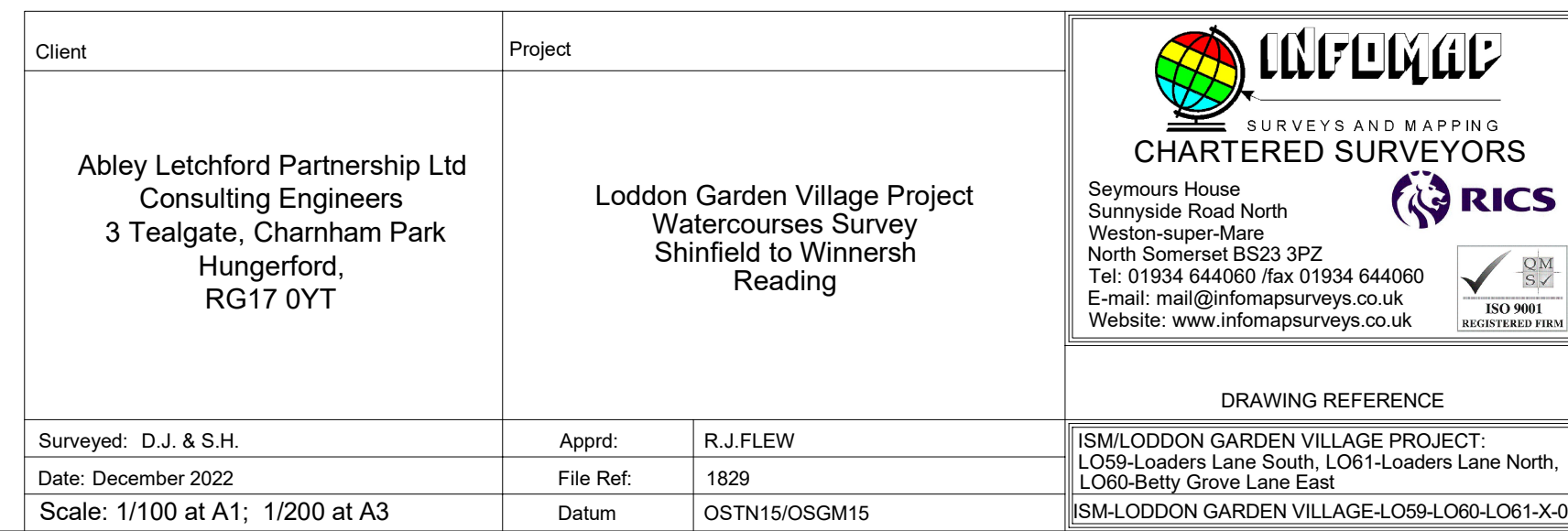
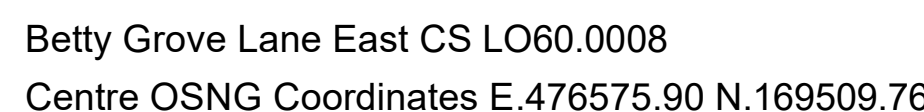
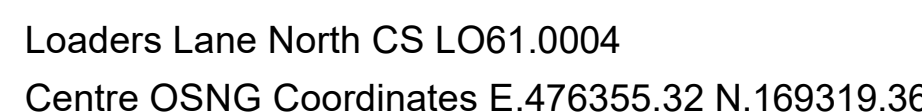
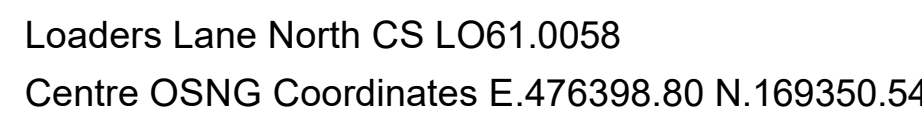
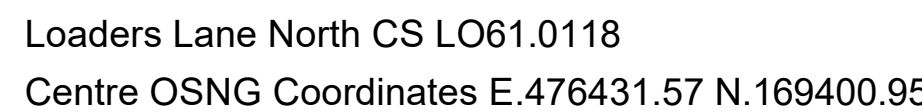
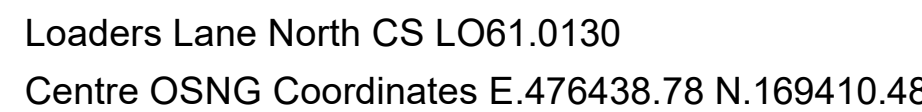
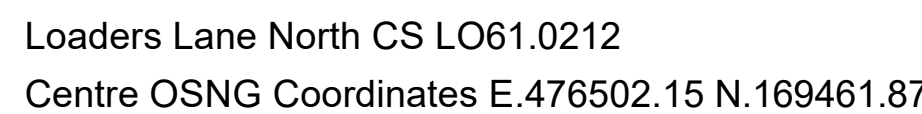
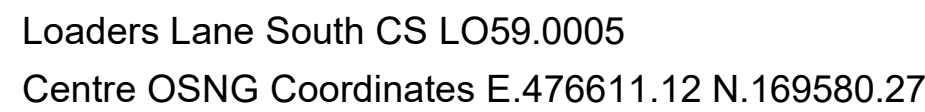
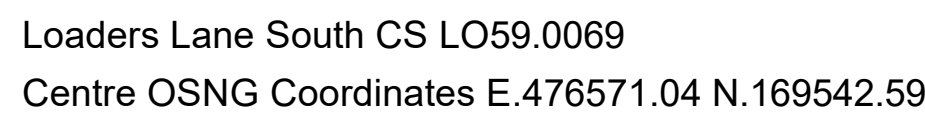
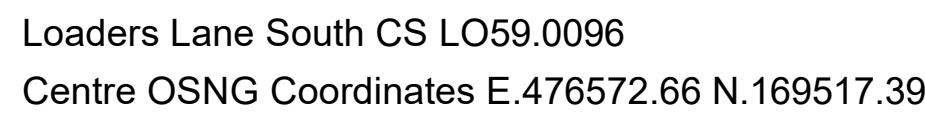
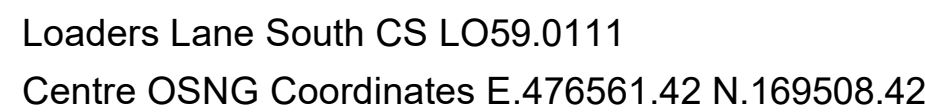
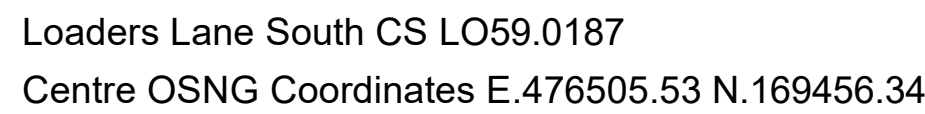
LEGEND FOR SURFACE & VEGETATION CHANGES:

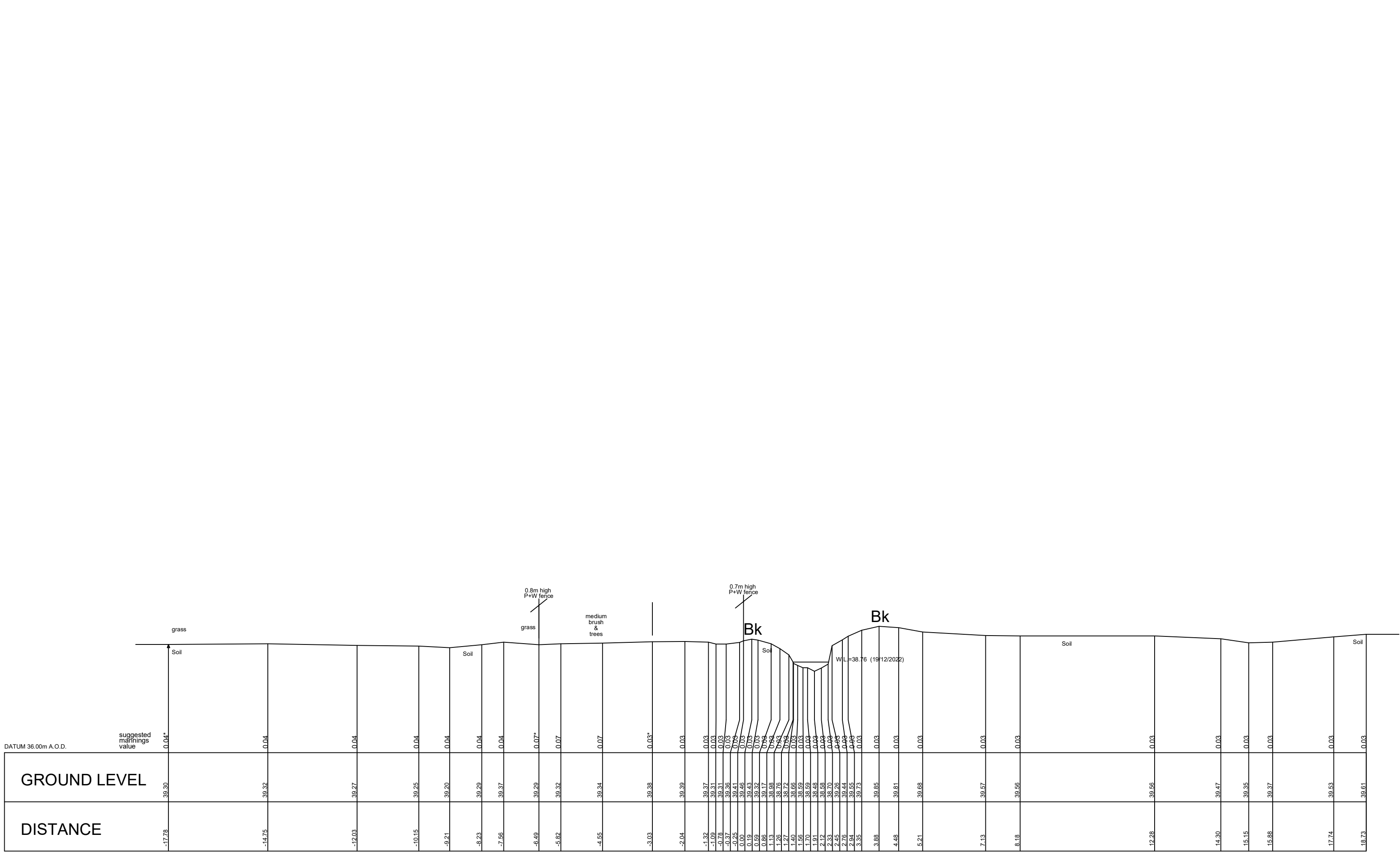
ABOVE GROUND VEGETATION & SEPARATOR	Light	I
GROUND SURFACE & SEPARATOR	Trees	I
	stone	Δ

SUGGESTED MANNINGS VALUES IN BLUE TEXT

SURVEYED BY GPS TO OSNG. LEVEL DATUM OSGM15.

ALL SECTIONS SHOWN PERPENDICULAR TO WATERCOURSE







Appendix C – Structure Summary

ID	Structure Type	Bed, m AOD	Invert, m AOD	Soffit, m AOD	Diameter or Width, m	Spill, m AOD	Length, m
Barkham Brook							
LO5.2796	Brick and concrete bridge	42.33	-	44.03	4.56	45.82	11.00
LO5.2785	Brick and concrete bridge	42.53	-	43.99	4.56	45.99	11.00
LO5.2779	Stone weir	42.91	-	-	4.67	-	-
LO5.2720	Timber bridge	42.22	-	43.71	5.9	44.11	2.50
LO5.2676	Timber footbridge	42.17	-	43.49	6.86	43.7	1.00
LO5.2288	Timber footbridge	41.15	-	42.55	3.67	42.81	0.80
LO5.1766	Timber footbridge	39.98	-	40.84	5.56	41.17	1.00
LO5.1760	Gravel ford bed	40.32	-	-	31.88	-	4.00
LO5.1690	Stone and timber weir	40.18	-	-	4.14	-	1.00
LO5.1598	Metal and timber footbridge	39.44	-	40.55	3.8	40.84	2.50
LO5.1512	Scaffold footbridge	39.25	-	40.63	7.12	40.72	1.00
LO5.1271	Metal beam and concrete deck bridge	38.67	-	40.15	4.95	40.74	4.00
LO5.1266	Metal beam and concrete deck bridge	38.43	-	40.26	4.62	40.72	4.00
LO5.0550	4 x concrete box culverts	37.47	-	40.26	3.05	40.79	50.00
M4 north drain 1							
LO26.0920	Timber sleeper	44.16	-	44.56	1.53	44.64	0.50
LO26.0537	Concrete box culvert	38.19	38.19	40.33	3.05	40.89	48.00
LO26.0489	Concrete box culvert	38.19	40.32	40.32	3.06	40.86	1.70
LO26.0063	Concrete footbridge	37.42	-	38.19	5.00	38.31	10.00
LO26.0023	Twin pipe culverts	37.15	37.15	37.6	0.45	37.83	9.00
M4 Drain 3, 4 and 5							
LO29.0191	Concrete block weir	39.21	-	-	0.60	-	1.00
LO30.0019	Concrete pipe	37.49	37.49	38.49	1.00	38.84	56.00
Arborfield Pond Channel and Tributary							
LO31.0615	Concrete culvert	46.25	-	-	-	-	62.00
LO31.0553	Brick arch culvert	45.57	45.57	45.86	0.55	46.72	62.00
LO31.0017	Pipe into sump	40.50	40.78	40.88	0.10	41.5	9.00
LO31.0009	Pipe	40.55	40.61	40.86	0.25	41.51	9.00
Dairy Research Centre Ditch 1							
LO34.0072	Twin pipes in earth embankment	40.61	40.55, 40.61	40.65, 40.71	0.10	41.37	-
LO34.0011	Timber footbridge	39.58	-	39.66	1.00	-	1.00
Dairy Research Centre Ditch 3							
LO36.0309	Plastic pipe	43.6	63.61	44.06	0.45	44.85	-
Dairy Research Centre Dain 4 and 5							
LO38.0284	Pipe	38.17	38.25	39.15	0.90	39.45	5.00
LO37.0207	Pipe	38.24	38.25	39.15	0.90	39.45	3.00
Barrett's Lane Ditch							
LO39.1507	Timber soffit opening	45.61	-	54.84	-	54.98	1.00
LO39.1254	Pipe	50.29	50.18	50.58	0.40	50.70	3.50
LO39.0750	Pipe	44.86	44.70	45.10	0.40	45.61	5.00

LO39.0608	Pipe	40.79	40.76	41.06	0.30	41.66	0.80
LO39.0297	Pipe	38.29	38.30	38.60	0.30	39.12	5.00
Barrett's Lane Ditch 2							
LO40.0292	Pipe	50.56	50.45	50.68	0.225	50.91	3.50
LO40.0007	Pipe	47.40	47.29	47.52	0.225	84.27	5.00
Barrett's Lane Ditch 4							
LO42.055	Pipe	41.31	41.31	41.56	0.25	42.28	14.00
Catershill Ditch 2							
LO44.0406	Pipe	50.20	50.22	50.22	50.37	51.11	9.00
LO44.0008	Pipe	44.42	44.43	44.66	0.225	45.38	6.00
Catershill Ditch 3							
LO45.0491	Pipe	52.19	52.19	42.44	0.25	53.17	14.00
Mole Road Ditch 1							
LO46.0382	Buried pipe	-	-	-	-	-	-
LO46.0066	Rough stone opening	44.79	-	47.44	-	47.6.	6.00
Mole Road Ditch 2							
LO47.0092	Pipe	54.55	54.55	54.85	0.30	55.59	87.00
LO47.0004	Pipe	51.50	51.50	51.80	0.30	52.39	87.00
Mole Road Ditch 3							
LO48.0136	Timber plank	45.25	-	45.74	-	45.86	3.00
LO48.0012	Timber plank	-	-	-	-	-	-
Julkes House Ditch							
LO50.0355	Concrete headwall	-	-	-	-	-	-
Gravelpit Wood Ditch 1							
LO52.0519	Timber plants	45.30	-	45.77	1.66	45.89	4.00
LO52.0427	Pipe	44.19	44.19	44.42	0.225	45.09	5.00
LO52.0420	Pipe	44.01	11.11	44.33	0.225	45.12	5.00
LO52.0341	Pipe	43.04	42.75	43.65	0.90	44.00	3.00
LO52.0056	Pipe	39.09	38.85	39.25	0.40	39.70	-
Hatch Farm Drain							
LO56.0629	Circular culvert	52.04	52.07	52.37	0.30	52.86	12.30
LO56.0617	Circular culvert	52.00	52.00	52.30	0.30	52.52	12.30
LO56.0597	Timber footbridge	51.65		51.90		51.98	1.00
LO56.0347	Circular culvert	47.23	47.21	47.51	0.30	47.80	5.60
LO56.0341	Circular culvert	46.91	47.23	47.53	0.30	47.70	5.60
LO56.0066	Timber footbridge	39.93		41.00		41.19	1.00
Harrow Way Drain							
LO57.0032	Culvert	51.73	51.70	52.76	1.05	53.47	3.00
LO57.0009	Buried pipe	-	-	-	-	-	-
LO57.0000	Partially buried structure	51.67	51.68	51.79	0.39	52.47	7.80
LO58.0130	Pipe	52.59	52.42	52.67	0.25	52.91	5.00
Loaders Lane South							
LO59.0111	Culvert	46.50	46.48	46.73	0.25	46.96	14.00
LO59.0096	Culvert	46.47	46.23	46.58	0.35	47.12	14.00

Loaders Lane north							
LO61.0130	Plastic pipe	47.01	46.99	47.49	0.50	47.76	12.60
LO61.0118	Plastic pipe	46.64	46.85	47.35	0.50	47.79	12.60
Betty Grove Lane East							
LO60.0008	Culvert	46.7	-	47.00	-	47.16	8.30