

SITE ENGINEERING WORKSHEET

Design Brief



(This information is mandatory to comply with CDM 2015 requirements)

NTS Sales Person:

SCHEME DETAILS:

Project Name:

Location:

Scheme Description:

Project Status: Feasibility Tender Award

Date Issued to NTS Engineering:

Design Due Date:

On-Site Date:

Principal Contractor Name:

NTS Client/ Contractor Name:

Site Contact Name:

Site Contact Position:

Site Contact Email Address:

Site Contact Telephone No:

TWC Name (if different):

TWC Email Address:

TWC Telephone No:

*TWC = Temporary Works Coordinator

EXISTING SERVICES/ RISKS:

Statutory Undertaker Records Provided:

Clean Water Waste Water Gas Electricity Cable TV Other Comms/Signaling

Are there any residual risks identified by the Permanent Works Designer or Principal Contractor?

Yes No

Details if Yes:

Are there any residual risks regarding deflection or settlement?

Yes No

Details if Yes:

Other Site Restrictions:

Issue No: 04
Issue date: April 2019

Sheet 1 of 5

National Trench Safety can support your project.
Call our National Team - 03332 076 007

NTS (UK), Unit 28 Moor Lane Trading Estate, Moxon Way, Sherburn in
Elmet, Leeds, LS25 6ES.

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EXCAVATION DIMENSIONS:

Length:		Width:		Depth:	
<input type="checkbox"/> Sheet to Sheet <input type="checkbox"/> Muck to Muck					
Over-dig anticipated (typically 300mm)		<input type="checkbox"/> Yes <input type="checkbox"/> No			

WATER TABLE:

Water Table Depth:		Dewatering Method:	<input type="checkbox"/> Sump	<input type="checkbox"/> Well Points	<input type="checkbox"/> None
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SOILS INFORMATION:

Borehole Log / Trial Pit Refs/ SI Reports (closest to the excavation):
Soil Description / Type if Verbal (refer to Soil Description Chart on page 5):

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SHORING DETAILS:

Anticipated Duration of Excavation:	<input type="checkbox"/> <6 weeks	<input type="checkbox"/> <12 weeks	<input type="checkbox"/> >12 weeks
Surcharge (Plant):	<input type="checkbox"/> ≤30t _(10kN/m²)	<input type="checkbox"/> ≤45t _(15kN/m²)	<input type="checkbox"/> ≤60t _(20kN/m²)
Distance to Structures/Railway/Road:			
Ground Profile / Ground Reduction:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Details if Yes:

Sheet & Frame Requirements:	
Sheet Type:	<input type="checkbox"/> Interlocking <input type="checkbox"/> lapped
Method of Installation:	<input type="checkbox"/> Pre-Driven <input type="checkbox"/> Dig & Push <input type="checkbox"/> Slit Trench
Clear Opening Required:	<input type="checkbox"/> Yes <input type="checkbox"/> No

Slide Rail Requirements:	
<input type="checkbox"/> Single Slide Rail <input type="checkbox"/> Double Slide Rail <input type="checkbox"/> Pit <input type="checkbox"/> Tie-Back System <input type="checkbox"/> Opened Ended	
Clear Opening Required:	<input type="checkbox"/> Yes <input type="checkbox"/> No

OPTIONAL SAFETY EQUIPMENT:

Optional Safety Equipment:	
<input type="checkbox"/> Edge Protection Panels <input type="checkbox"/> Ladder Access Platform <input type="checkbox"/> Ladder <input type="checkbox"/> Davit Safety System	

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**NATIONAL
TRENCH SAFETY**

ADDITIONAL NOTES & SKETCHES:

Large empty rectangular area for additional notes and sketches.

CUSTOMER DECLARATION – *This signature authorises National Trench Safety UK to prepare a temporary works scheme and that the information contained within this brief is a true representation of site conditions* (the below **MUST** be completed prior to detailed design been completed)

Customer Signature:	Position / Job Title:	Date:

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Verbal Soil Description Form (in accordance with BS 5930:2010)

Verbal Soil Description Form. The Construction (Design & management) Regulations 2015, place legal obligations on all parties to provide all relevant information to enable them to perform their function. The Client should be aware of the increase in their level of risk when only limited soil information is available.

Verbal Soil Description Form

Descriptions generally in accordance with BS 5930:2010. For further information see the British Standard.

Soil Type	Particle Size (mm)	Site Identification	Characteristic Values	
			ϕ	SPT 'N' Value
Very Loose Gravel	>16	Can be excavated by spade	<30°	<4
Loose Gravel	8 -16	50mm wooden peg easily driven	30° - 32°	4 – 10
Medium Dense Gravel	4 -8	Requires machine excavation	32° - 35°	10 – 30
Dense Gravel	2 -4	50mm wooden peg hard to drive	35° - 40°	30 – 50
Very Dense Gravel	1 - 2	Requires machine with pecker attachment	>40°	>50
			ϕ	SPT 'N' Value
Very Loose Sand	1 - 2	Can be excavated by spade	<28°	<4
Loose Sand	0.5 - 1	50mm wooden peg easily driven	28° - 30°	4 – 10
Medium Dense Sand	0.025 – 0.5	Requires machine excavation	30° - 32°	10 – 30
Dense Sand	0.0125 – 0.025	50mm wooden peg hard to drive	32° - 35°	30 – 50
Very Dense Sand	0.0065 – 0.0125	Requires machine with pecker attachment	>35° >50	
			kN/m ² / °	SPT 'N' Value
Soft / Loose Silt	Varies	Moulded or crushed by light finger pressure	20 / 15	4 – 10
Firm / Dense Silt	Varies	Moulded or crushed by strong finger pressure	30 / 20	10 – 30
			kN/m ²	
Very Soft Clay		Passes between fingers when squeezed by hand	<20	
Soft Clay		Moulded by light finger pressure	20 – 40	
Firm Clay		Moulded by strong finger pressure	40 – 70	
Stiff Clay		Only indented by thumb	70 – 100	
Very Stiff Clay		Only indented by thumb nail	>100	
			kN/m ² / °	SPT 'N' Value
Organic Clay	Varies	Very compressible	20 / 15	5 – 10
Peat	Varies	Moulded by hand and smears on fingers	15 / 15	0 – 5

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