SITE INVESTIGATION
FACTUAL REPORT

Report No: 444970

Client: Crawford Claims Management

Site: 1 Daleham Gardens,

Client Ref: SU1701605-The Society of Analytical Psychology

Date of Visit: 14/07/17

Unit E2 First Floor Suite, Boundary Court
Willow Farm Business Park, Castle Donington
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Drainage Layout Plan

Sheet: 1 of 1

Job No: 444970

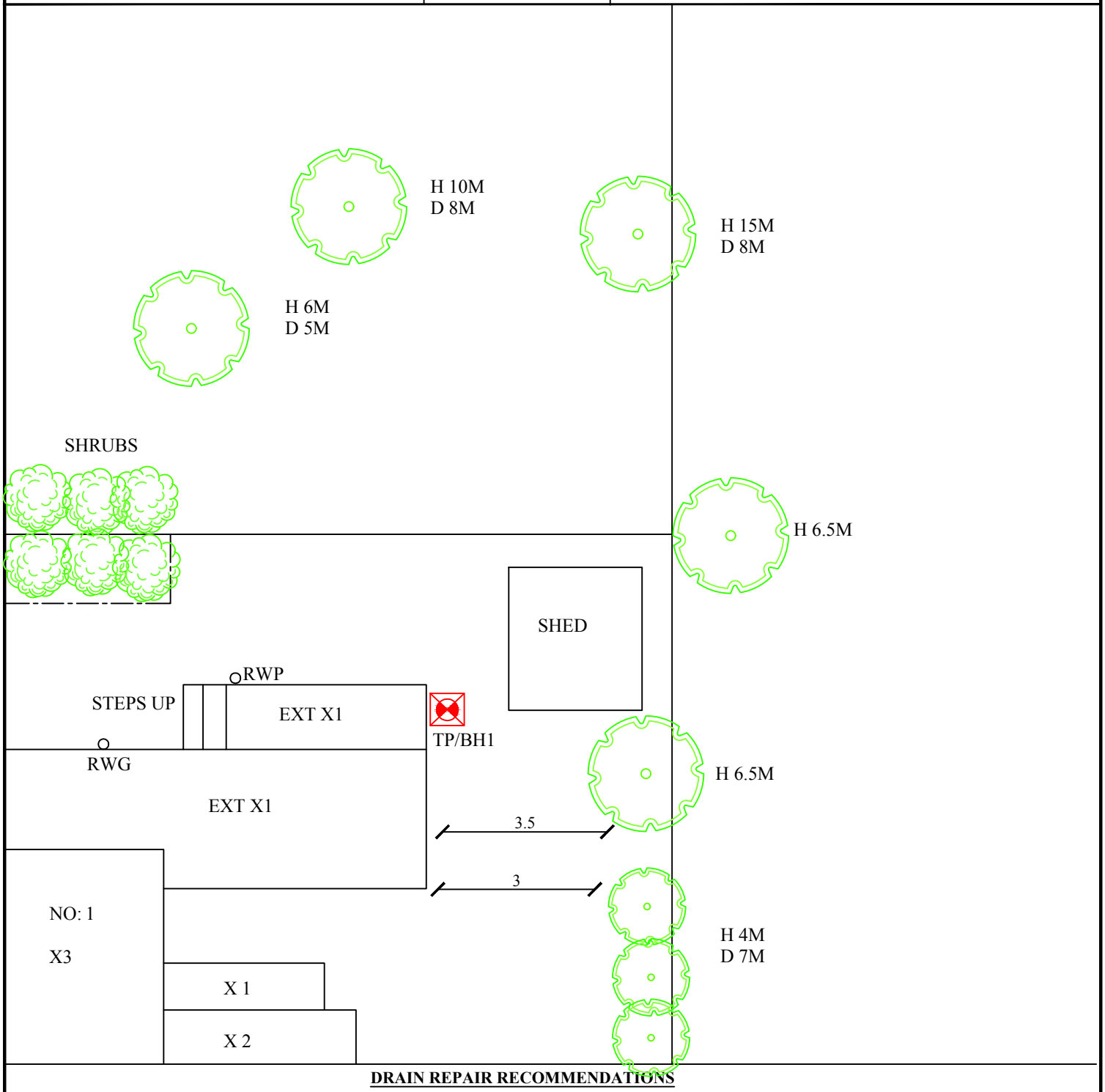
Date: 14/07/2017

Site: 1 Daleham Gardens

Work carried out for: Crawford Claims MGMT SUS

MH (SI) | SA (Checked) | PS (Drawn)

Weather: DRY



DRAIN REPAIR RECOMMENDATIONS

Scale: N.T.S. | Parking: | Power: | Water: | Approx age:

Surface Water Drain

Foul Water Drain

Trial Pit No: 1

Sheet: 1 of 1

Job No: 444970

Date: 14/07/2017

Site: 1 Daleham Gardens

Work carried out for: Crawford Claims MGMT SUS

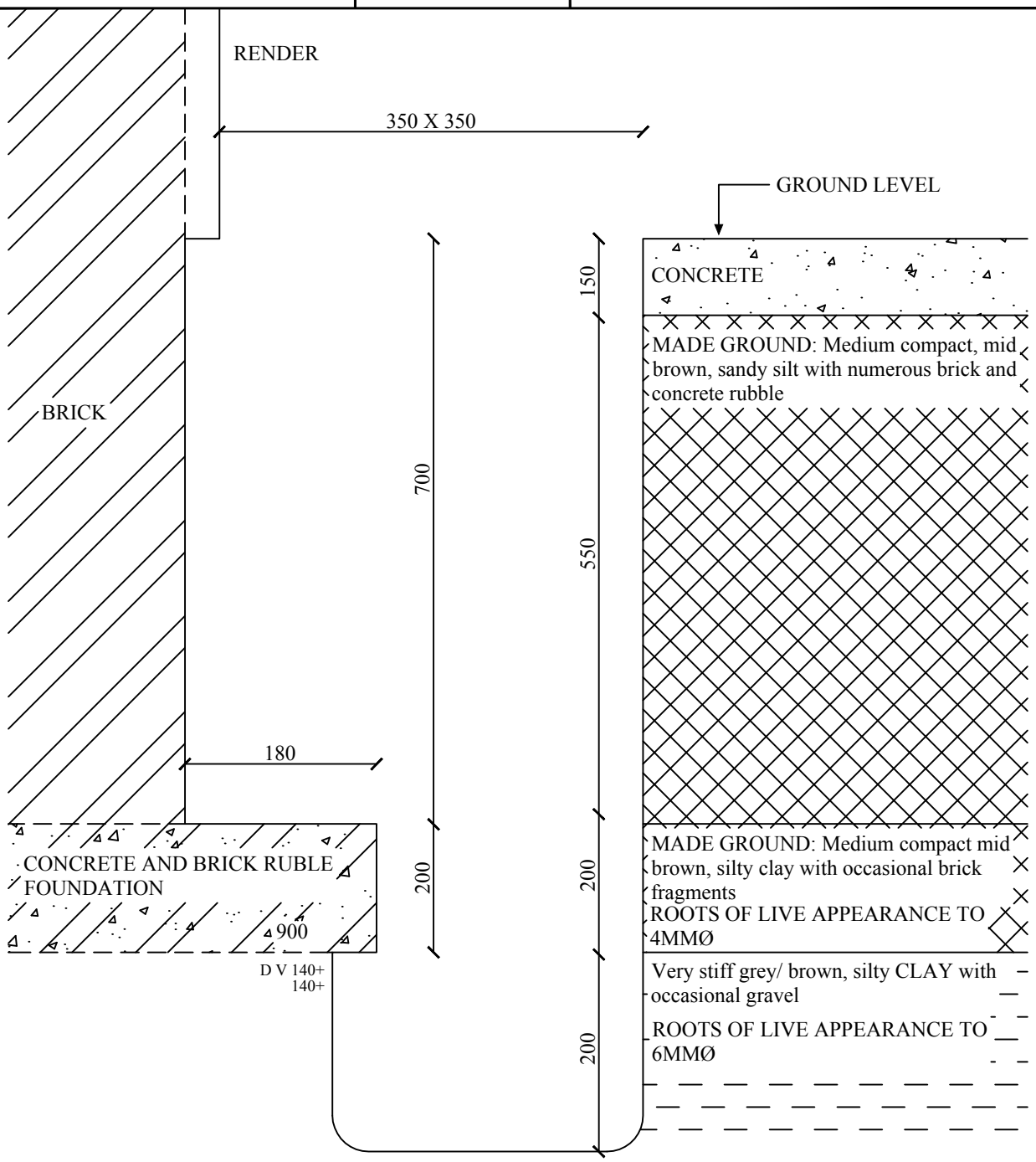
Hand Tools

Weather: DRY

Ground Level

Drawn By: PS

MOD:



FOR STRATA BELOW 1100mm SEE BH LOG 1

Remarks: All measurements in millimetres.

Key:

D	Small disturbed sample	J	Jar sample
B	Bulk disturbed sample	V	Pilcon Vane (kPa)
W	Water sample	M	Mackintosh probe
TDTD	Too dense to drive		

Logged: MH | Checked: SA | Approved: | Scale: N.T.S.

Borehole 1

Sheet:	1 of 1	Site:	1 Daleham Gardens,
Job No:	444970		
Date:	14/07/2017		
Boring Method:	Hand Auger	Ground Level:	
Client:	Crawford Claims Management		
Diameter (mm):	75	Weather:	Dry

Depth (m)	Soil Description	Thickness	Legend	Samples and Tests Depth	Type	Result
0.00	See Trial Pit	1.10				
1.10	Very Stiff orange-brown silty CLAY with occasional gravel	0.20				
1.30	End of BH					

Remarks:
Bh ends at 1.3m, Gravel obstruction,too dense to hand auger .BH dry and open on completion.

Key:

D - Disturbed Sample
B - Bulk Sample
W - Water Sample
J - Jar Sample
V - Pilcon Shear Vane (kPa
M - Mackintosh Probe
TDTD - Too Dense To Drive

Roots
Roots
Roots
Depth to Water (m)

To Depth (m)	Max Dia (mm)
1.30	1.5

Logged:	Db	SA	Checked:	Approved:	Version	V1.0 28/01/16	N.T.S.

Laboratory Summary Results

Our Ref : 444970

Location : 1 Daleham Gardens, NW3

Client: Crawford Claims Management

Address: Cartwright House, Tottle Road, Riverside Business Park, NG2 1RU

Date Sampled: 14/07/17

Date Received : 17/07/17

Date Tested : 18/07/17

Date of Report : 20/07/17

Sample Ref		Type	Moisture Content	Soil Fraction	Liquid Limit	Plastic Limit	Plasticity Index	Liquidity * Index	Modified * Plasticity Index	Soil * Class	Filter Paper Contact Time	Soil Sample Suction	Oedometer Strain	Estimated Heave Potential (Dd)	In situ * Shear Vane Strength	Organic * Content	pH * Value	Sulphate Content * (g / l)		* Class
TP/BH No	Depth (m)		(%) *[1]*	> 0.425mm (%) *[2]*	(%) *[3]*	(%) *[4]*	(%) *[5]*	*[5]*	(%) [6]	*[7]*	(h)	(kPa) [8]	*[9]*	*(mm)[10]*	(kPa) *[11]*	(%)*[12]*	*[13]*	SO_3 *[14]*	SO_4 *[15]*	*[16]*
1	U/S 0.90	D	19	<5	50	18	32	0.03	32	CH					> 140					

Test Methods / Notes

[1] BS 1377 : Part 2 : 1990, Test No 3.2

[2] Estimated if <5%, otherwise measured

[3] BS 1377 : Part 2 : 1990, Test No 4.4

[4] BS 1377 : Part 2 : 1990, Test No 5.3

[5] BS 1377 : Part 2 : 1990, Test No 5.4

[6] BRE Digest 240 : 1993

[7] BS 5930 : 1981 : Figure 31 - Plasticity Chart for the classification of fine soils

[8] In-house method S9a adapted from BRE IP 4/93

[9] In-house Test Procedure S17a: One Dimensional Swell/Strain Test

[10] Estimated Heave Potential (Dd)

[11] Values of shear strength were determined in situ by CET using a Pilcon hand vane or Geonor vane (GV).

[12] BS 1377 : Part 3 : 1990, Test No 4

[13] BS 1377 : Part 2 : 1990, Test No 9

[14] BS 1377 : Part 3 : 1990, Test No 5.6

[15] $SO_4 = 1.2 \times SO_3$

[16] BRE Special Digest One (Concrete in Aggressive Ground) August 2005
Note that if the SO4 content falls into the DS-4 or DS-5 class, it would be prudent to consider the sample as falling into the DS-4M or DS-5M class respectively unless water soluable magnesium testing is undertaken to prove otherwise.

* These tests are not UKAS accredited
Full reports can be provided upon request

Key

D	Disturbed sample (small)
B	Disturbed sample (bulk)
U	Undisturbed sample
W	Groundwater sample
ENP	Essentially Non-Plastic by inspection
U/S	Underside of Foundation

UKAS TESTING
8618

Version: 5BH V1.4 - 11/05/15

Moisture Content Profiles

Shear Strength Profiles

Our Ref : 444970
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Date Sampled : 14/07/17
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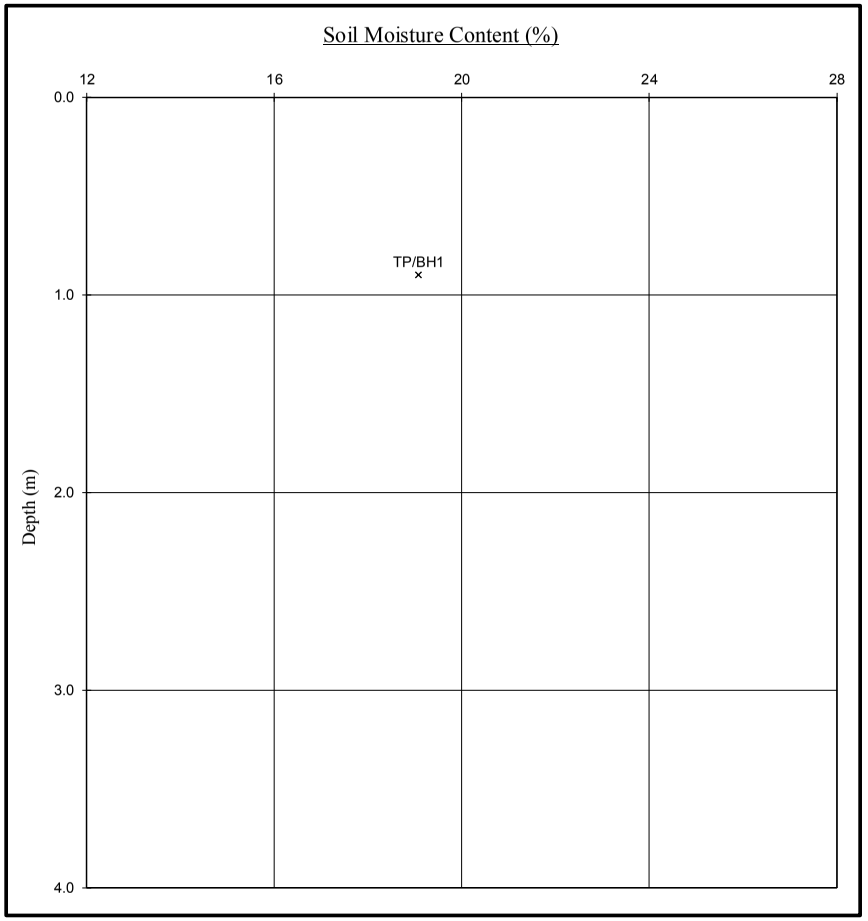

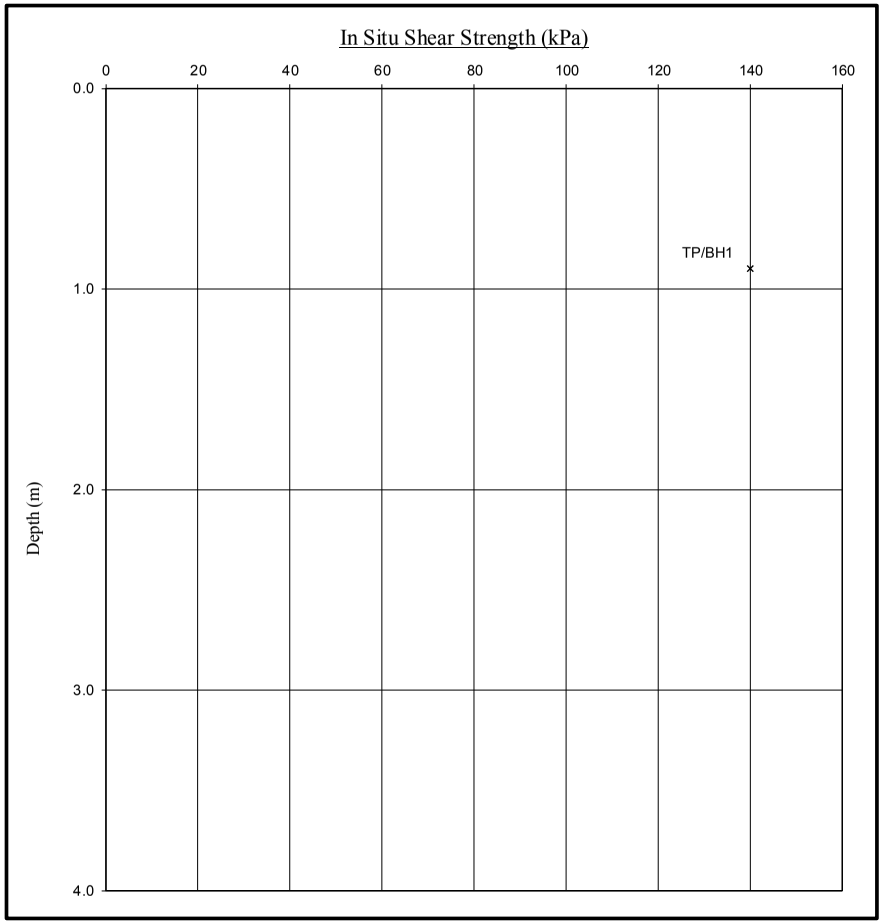

Notes
1. If plotted, 0.4 LL and PL+2 (after Driscoll, 1983) should only be applied to London Clay (and similarly overconsolidated clay) at shallow depths.
2. Unless specifically noted the profiles have not been related to a site datum.

Note
1. Unless otherwise stated, values of Shear Strength were determined in situ by CET using a Pilcon Hand Vane the calibration of which is limited to a maximum reading of 140 kPa.
2. Unless specifically noted the profiles have not been related to a site datum.

EPSL ***European Plant Science Laboratory***	Sheet: 1 of 1 Job No: **444970** Date: **19/07/2017** Order No: **1018697** EPSL Ref: **R19382**	Site: **1 Daleham Gardens, NW3** Work carried out for: **Crawford Claims MGMT SUS**

Certificate of Analysis

The following work was commissioned by CET on behalf of their client. Root samples were obtained in sealed packets from the above site with no reference given as to the types of tree or shrub from which they may have originated.
The results were as follows -

Trial pit/ Borehole number	**Root diameter (mm)**	**Tree, shrub or climber from which root originates**	**Result of starch test**
TP1 (USF)	6 mm	Acer spp. * 3 roots	Negative
BH1 (to 1.3m)	1.5 mm	Pomoideae gp. 3 roots	Positive

* Decayed roots.

Acer spp. are maples, including sycamore, Norway maple, and Japanese maples.
Pomoideae gp include apple, cotoneaster, hawthorn, pear, pyracantha, quince, rowan, snowy mespil and whitebeam.

GST

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