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# ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No	<b>BH302</b>
SHEET	1 of 4
REFERENCE No	<b>11480</b>

PROJECT Townsville Ring Road Section 4 -----  
 LOCATION Stony Creek Bridge ----- COORDINATES 464691.9 E; 7871501.6 N -----  
 PROJECT No FG6020 SURFACE R.L. 12.25m PLUNGE ----- DATE STARTED 19/4/13 GRID DATUM GDA 94 -----  
 JOB No 268/10M/5 HEIGHT DATUM AHD BEARING ----- DATE COMPLETED 20/4/13 DRILLER Saxon Drilling -----

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD ( ) %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC WEATHERING	INTACT STRENGTH						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	H	M	L	V				
0	12.25					<b>Silty Sandy CLAY (TOPSOIL)</b> Pale grey, dark brown, moist. Soft to medium plasticity. Some tree roots.												
11.95					A	<b>Silty CLAY</b> Dark brown, moist, very stiff.  High plasticity.	(CL-CH)									6,11,10 N=21	SPT	
2					B	Becoming brown sandy clay of low plasticity.										6,8,9 N=17	SPT	
3	9.35				C	Becoming hard.										13,16,17 N=33	SPT	
4					D	<b>Sandy SILT</b> Grey, brown, moist, hard.  Low plasticity. Some white calcareous material.										6,12,20 N=32	SPT	
5					E											8,21,27 N=48	SPT	
6					F	Minor silty sand lenses at 5.5m. Grey - brown, moist, very dense. Fine to medium grained sand.										23,30/70mm,HB N>50	SPT	
7					G		(ML)									12,25,30/120mm N>50	SPT	
8					H											9,16,28 N=44	SPT	
10	2.25																	

REMARKS -----  
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LOGGED BY  
MS

# ENGINEERING BOREHOLE LOG

FOR GEOTECHNICAL TERMS AND  
SYMBOLS REFER FORM F:GEOT 017/6-2010

BOREHOLE No   BH302    
SHEET   2   of   4    
REFERENCE No   11480  

PROJECT   Townsville Ring Road Section 4    
LOCATION   Stony Creek Bridge   COORDINATES   464691.9 E; 7871501.6 N    
PROJECT No   FG6020   SURFACE R.L.   12.25m   PLUNGE            DATE STARTED   19/4/13   GRID DATUM   GDA 94    
JOB No   268/10M/5   HEIGHT DATUM   AHD   BEARING            DATE COMPLETED   20/4/13   DRILLER   Saxon Drilling  

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD ( ) %	CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USC	WEATHERING						DEFECT SPACING (mm)	GRAPHIC LOG	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
									EH	VH	H	M	L	VL				
10	2.25					<b>Clayey SAND</b> Pale grey, pale brown, moist, mainly dense. Fine to medium grained sand.											6,11,20 N=31	SPT
11						Becoming medium dense.											8,10,15 N=25	SPT
12						Becoming dense.											10,16,21 N=37	SPT
13						Becoming medium to coarse grained sand.											11,17,15 N=32	SPT
14							(SC)										12,19,27 N=46	SPT
15																	11,17,15 N=32	SPT
16																	12,19,27 N=46	SPT
17						Fine to medium grained sand with high clay content.											11,23,30/130mm N>50	SPT
18						Becoming very dense.											11,23,30/130mm N>50	SPT
19						Becoming medium to coarse grained sand. (Residual?)											14,22,30/110mm N>50	SPT
20	-7.75																	

REMARKS \_\_\_\_\_

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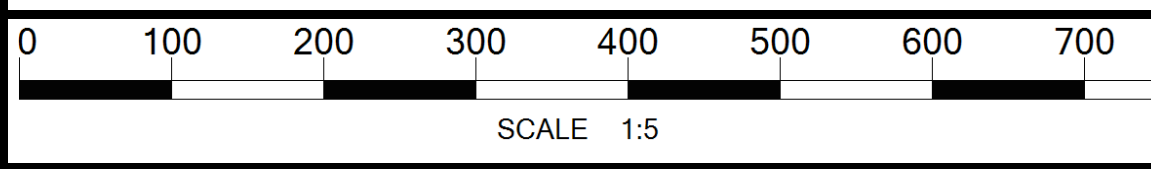
**CORE PHOTO LOG**

DEPARTMENT OF TRANSPORT & MAIN ROADS  
 Geotechnical Section  
 35 Butterfield Street, HERSTON Qld 4006  
 Phone 07 3066 3336



Department of  
**Transport and Main Roads**

Project Name	<b>Townsville Ring Road Section 4</b>		
Project No	FG 6020	Date	20/04/13
Borehole No	BH 302	TMR H No	11480
Location	Stony Creek Bridge	Start Depth (m)	22.00
Detail	Abutment A (Left)	Finish Depth (m)	30.70
Chainage		Submitted By	BW
Remarks			



**CORE PHOTO LOG**

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Department of  
**Transport and Main Roads**

Project Name	<b>Townsville Ring Road Section 4</b>		
Project No	FG 6020	Date	20/04/13
Borehole No	BH 302	TMR H No	11480
Location	Stony Creek Bridge	Start Depth (m)	22.00
Detail	Abutment A (Left)	Finish Depth (m)	30.70
Chainage		Submitted By	BW
Remarks			



SCALE 1:5