

EARTHWORKS NOTES:

GENERAL

1. THE CONTRACTOR SHALL REVIEW ALL SURVEY INFORMATION, OTHER CONSULTANTS DOCUMENTATION, COMPLETE A DBYD INVESTIGATION AND POSITIVELY LOCATE ALL SERVICES ON SITE PRIOR TO TAKING POSSESSION OF THE SITE. FAILURE TO DO SO AND UNCOVERING AN IN-GROUND SERVICE WILL NOT FORM GROUNDS FOR A DELAY CLAIM.
2. ALL EARTHWORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH RECOMMENDATIONS IN SITE GEOTECHNICAL REPORT.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ALL EARTHWORKS FROM RAIN AND STORMWATER RUNOFF. IF SUFFICIENT MEASURES ARE NOT TAKEN TO PROVIDE FOR TEMPORARY DIVERSION OF STORMWATER AND OVERFLOW DISCHARGE POINTS FROM AREAS WHERE EARTHWORKS ARE BEING UNDERTAKEN TO PREVENT SOILS BECOMING OVERLY SATURATED, THE CONTRACTOR WILL BE RESPONSIBLE FOR REMEDIATION OF THE SATURATED SOILS.
4. DEWATERING TO BE MANAGED BY THE CONTRACTOR AT ALL TIMES.
5. EARTHWORKS QUANTITIES ARE PROVIDED AS AN ESTIMATE ONLY. THE CONTRACTOR SHALL COMPLETE THEIR OWN INDEPENDENT ASSESSMENT OF THE EARTHWORKS QUANTITIES REQUIRED TO COMPLETE THE WORKS.
6. BULK EARTHWORKS DRAWINGS ARE NOT TO BE USED FOR DETAILED EXCAVATION.

TESTING

1. REFER TO THE CIVIL SPECIFICATION FOR FREQUENCIES OF TESTING AND SAMPLING, HOLD AND WITNESS POINTS.
2. ALL EARTHWORKS ACTIVITIES SHALL BE UNDERTAKEN WITH SUPERVISION IN ACCORDANCE WITH AS3798 (2007) BY A SUITABLY QUALIFIED GEOTECHNICAL INSPECTION AND TESTING AUTHORITY (GITA) ENGAGED BY THE CONTRACTOR. AS A MINIMUM, THE FREQUENCY AND LOCATION OF TESTING SHALL BE IN ACCORDANCE WITH TABLE 8.1 OF AS3798 (2007). THE GITA IS TO MAINTAIN DAILY SITE RECORD SHEETS AS SET OUT IN AS3798 (2007)

CUT/FILL

1. CONTRACTOR TO FAMILIARISE THEMSELVES WITH CONTAMINATION ISSUES NOMINATED IN THE GEOTECHNICAL OR ENVIRONMENTAL REPORTS AND MAKE DUE ALLOWANCES FOR THE REMEDIATION, REMOVAL AND REPLACEMENT OF CONTAMINATED MATERIALS.
2. ALL TEMPORARY EARTHWORKS BATTERS SHALL BE FORMED TO MAXIMUM GRADES NOMINATED ON THE CIVIL DRAWINGS.
3. SETOUT OF ALL BULK EARTHWORKS SHALL BE COMPLETED OFF THE ARCHITECTURAL GRID OR SETOUT PROVIDED ON THE CIVIL DRAWINGS. WHEN SETTING OUT WORKS IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THE SETOUT ON SITE MATCHES THE HARD COPY DOCUMENTATION PROVIDED UNDER THE CONTRACT. IF DISCREPANCIES ARE DISCOVERED THE CONTRACTOR SHALL CONTACT THE ENGINEER.
4. ALL STRIPPED TOPSOIL SHALL BE DISPOSED OF OFF-SITE UNLESS DIRECTED OTHERWISE.
5. EXCAVATED MATERIAL MAY BE USED AS STRUCTURAL FILL PROVIDED IT COMPLIES WITH SPECIFICATIONS AND GEOTECHNICAL REQUIREMENTS FOR FILL MATERIAL.

COMPACTION

1. CONTRACTOR TO INTERPRET THE GEOTECHNICAL REPORT FOR SUBGRADE PREPARATION REQUIREMENTS AND MAKE DUE ALLOWANCES FOR ALL WORKS INCLUDING REMEDIATION OF UNSUITABLE MATERIALS SUCH AS ORGANIC MATTER, TOPSOIL AND SLOPE WASH.
2. ONCE SUBGRADE LEVELS HAVE BEEN REACHED, THE CONTRACTOR SHALL TYNE AND RECOMPACT THE EXPOSED SUBGRADE TO A DEPTH OF 300mm AND ENSURE RECOMPACTION OCCURS AT OPTIMUM MOISTURE CONTENT.
3. ONCE SUBGRADES HAVE BEEN TYNED AND RECOMPACTED THE SUBGRADE SHALL BE PROOF ROLLED WITH A 10 TONNE PADFOOT ROLLER TO TEST SUBGRADE AND TO IDENTIFY ANY AREAS WHERE COMPACTION HAS NOT BEEN ACHIEVED. WHERE AREAS DO NOT PASS PROOF ROLLING (DEFLECTIONS OF 3MM OR MORE) THE CONTRACTOR SHALL HAVE THE AREAS INSPECTED BY A GEOTECHNICAL ENGINEER TO PROVIDE RECTIFICATION ADVICE SUITABLE TO CATER FOR THE FUTURE LOADING OF THE SUBGRADE.

LEVELS TABLE			
No.	FROM LEVEL (m)	TO LEVEL (m)	COLOUR
1	-3.00	-2.25	
2	-2.25	-1.50	
3	-1.50	-0.75	
4	-0.75	-0.50	
5	-0.50	-0.25	
6	-0.25	-0.01	
7	0.01	0.25	
8	0.25	0.50	
9	0.50	0.75	
10	0.75	1.50	

VOLUME SUMMARY	
CUT	7920.88m³
FILL	764.53m³
NET	7156.34m³

SUBGRADE COMPACTION REQUIREMENTS (MIN)		
LOCATION	STANDARD DRY DENSITY (AS 1289 5.1.1)	OPTIMUM MOISTURE CONTENT
UNDER BUILDING SLABS ON GROUND	98%	±2%
UNDER ROADS AND CARPARKS	98%	±2%
LANDSCAPE AREAS	98%	±2%

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NOT FOR CONSTRUCTION

			Architecture:		Engineer:		Project:		Drawing Title:		Scale at A1		Drawn		Designed		Approved	
							WATSON HEALTH HUB		EARTHWORKS				EM				CP	
							BLOCK 1 SECTION 84		NOTES AND LEGEND		Project No		Originator		Zone		Type	
							WATSON, ACT				229014-TTW-00-DR-CI-02001-A							
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