



## Civil - Hardstand Stage 2 (Backfill and hardstand extension)

### Inspection and Test Plan - ITP

SECTION 1 - GENERAL					
Client:		Asset		ITP Template No.: ZENT-ITP-7023	Revision: 0
Project Name:		Area		Prepared By: Lachlam A.	Prepared Date: 22/11/2023
Project Number:		Discipline Civil	Component ITP - Civil - Hardstand Stage 2	Location	Approved By:  Approved Date:

SECTION 2 - CLOSE OUT SIGNATURE (ZENVIRON ONLY)			
Name:	Position:	Signature:	Date:
Comments:			

SECTION 3 - LEGEND	
Term	Description
REVIEW	An Activity which is verified by examination of documentary evidence that inspection/tests have been satisfactorily conducted
WITNESS	Activity is to be witnessed by Zenviron   Advance notification mandatory   Activity can proceed once the minimum notification period has elapsed
HOLD POINT	Activity is to be witnessed by Zenviron   Advance notification mandatory   Hold point can only be waived formally in writing

SECTION 4 - PRELIMINARY										
ITEM	ACTIVITY/ TASK DESCRIPTION	INSPECTION FREQUENCY	REQUIREMENT/ STANDARD / SPECIFICATION	ACCEPTANCE CRITERIA	VERIFYING DOCUMENT (RECORDS/EVIDENCE)	SUPERVISION TYPE	RECEIVED AND ANALYSED BY: ZENVIRON			
							NAME	SIGNED	DATE	COMMENTS
4.1	Design drawings, project specifications.			Documents controlled through document management system.	N/A	WITNESS				
4.2	Survey and Setout			Control point survey by registered surveyor. Visual inspection of control point/s. Survey equipment spot checked for calibration	N/A	WITNESS				

SECTION 5 - MATERIAL APPROVALS										
ITEM	ACTIVITY/ TASK DESCRIPTION	INSPECTION FREQUENCY	REQUIREMENT/ STANDARD / SPECIFICATION	ACCEPTANCE CRITERIA	VERIFYING DOCUMENT (RECORDS/EVIDENCE)	SUPERVISION TYPE	RECEIVED AND ANALYSED BY: ZENVIRON			
							NAME	SIGNED	DATE	COMMENTS
5.1	Pavement Base Course Material Conformance			ZX115-REP-0201 Earthworks, Roads and Drainage Specification; - Particle Size Distribution - CBR - Atterberg Limits - Wet/Dry Strength Variation	NATA Test Reports	REVIEW				
5.2	Fencing/ Gates			Schedule 16 - Landholder Agreement Requirements Approved Property Management Plans	N/A	REVIEW				

SECTION 6 - CONSTRUCTION PROCESS - FOUNDATION BACKFILL AND HARDSTAND STAGE 2 SUBGRADE										
ITEM	ACTIVITY/ TASK DESCRIPTION	INSPECTION FREQUENCY	REQUIREMENT/ STANDARD / SPECIFICATION	ACCEPTANCE CRITERIA	VERIFYING DOCUMENT (RECORDS/EVIDENCE)	SUPERVISION TYPE	RECEIVED AND ANALYSED BY: ZENVIRON			
							NAME	SIGNED	DATE	COMMENTS
6.1	Earthing Install			Earthing ring installed as per Foundation Drawing ZX115-DWG-1433	ZX115-ITR-7343 - WTG Earth Grid Installation	HOLD POINT				
6.2	Backfill			Test results obtained for the backfill layers compliant to ZX115-REP-0201 Earthworks, Roads and Drainage Specification - Compaction - Dry Density - OMC	NATA Test Report	HOLD POINT				
6.3	Finished Backfill			Test results obtained for theSubgrade layer compliant to ZX115-REP-0201 Earthworks, Roads and Drainage Specification - Compaction - Density - OMC	NATA Test Report ZX115-ITR-7108 - Proof Roll Inspection	HOLD POINT				

SECTION 7 - CONSTRUCTION PROCESS - HARDSTAND STAGE 2 BASE COURSE PLACEMENT										
ITEM	ACTIVITY/ TASK DESCRIPTION	INSPECTION FREQUENCY	REQUIREMENT/ STANDARD / SPECIFICATION	ACCEPTANCE CRITERIA	VERIFYING DOCUMENT (RECORDS/EVIDENCE)	SUPERVISION TYPE	RECEIVED AND ANALYSED BY: ZENVIRON			
							NAME	SIGNED	DATE	COMMENTS
7.1	Base Pavement			Test results and proof roll records obtained for the finished layer compliant to ZX115-REP-0201 Earthworks, Roads and Drainage Specification - Compaction - Density - OMC	NATA Test Report ZX115-ITR-7108 - Proof Roll Inspection	HOLD POINT				

SECTION 8 - COMPLETION AND HANDOVER										
ITEM	ACTIVITY/ TASK DESCRIPTION	INSPECTION FREQUENCY	REQUIREMENT/ STANDARD / SPECIFICATION	ACCEPTANCE CRITERIA	VERIFYING DOCUMENT (RECORDS/EVIDENCE)	SUPERVISION TYPE	RECEIVED AND ANALYSED BY: ZENVIRON			
							NAME	SIGNED	DATE	COMMENTS
8.1	Final Trim			ZX115-REP-0201 Earthworks, Roads and Drainage Specification ZX115-REP-0206 - Balance of Plant Works Maintenance Manual Typicals Design Drawings	N/A	WITNESS				
8.2	Redline markup of Construction Drawings			In line with ZX115-REP-0201 Earthworks, Roads and Drainage Specification and BMS-WIN-1024 - Document Red-Line Markup	Redline Markup in Master Drawing Folder	REVIEW				
8.3	Generate Punch List			Generate specific area/scope Punch List and transfer the open items to the Punch List Master Register	BMS-TMP-0044 Punch List record	REVIEW				