



Civil - WTG Foundations

Inspection and Test Plan - ITP

SECTION 1 - GENERAL

Client:	Asset			ITP Template No.:	Revision:
	Civil Areas			ZENT-ITP-7026	0
Project Name:	Area			Prepared By:	Prepared Date:
	Specific Civil Area			Elwyn Stannard	24/11/2023
Project Number:	Discipline	Component	Location	Approved By:	Approved Date:
	Civil	ITP - Civil - WTG Foundations			

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	REVIEW				
4.2	Survey and Setout.			Control point survey by registered surveyor, visual inspection of control point/s. - Survey equipment spot checked. - No disturbance to survey marks.	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	Concrete Mix Design(s)			Design Engineer Approval	Concrete Supplier Mix Designs Concrete Test/Trial Data	HOLD POINT				
5.2	Steel Reinforcement			Reinforcement Supplier Accreditation	Supplier ACRS Certificate	HOLD POINT				
5.3	Formwork Approval			AS3610 Project Engineer Review	Formwork Compliance Certificate	REVIEW				

5.4	Concrete Curing Agent			AS3799 Compliance Certificate	Manufacturer Compliance Certificates	REVIEW				
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SECTION 6 - WTG FOUNDATION PRE-POUR

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	Foundation Blinding			As per ZX115-REP-0204 Section 1.4.1 & 1.6.2 and ZX115-DWG-1401 Concrete Notes	ZX115-ITR-7102 Concrete Pour Record Concrete Dockets	HOLD POINT				
6.2	Survey Setout			Survey Set Out by Licensed Surveyor Dimensional Check	Survey Report	REVIEW				
6.3	Install Proprietary Formwork (Footing Parimeter)			AS3610 & AS3600 Formwork shall be aligned to a tolerance of mm. Approved release agent applied to form.	ZX115-ITR-7101 Concrete Pre-Pour Inspection Checklist	HOLD POINT				
6.4	Install Hold Down Bolts and Assembly			Bolts to be within ±3mm in any direction	ZX115-ITP-7111 WTG Survey and Setout Report SIF for vertical assembly of 2- and 4-segment anchor cage 0061-5846 V06	HOLD POINT				
6.5	Install Reinforcement			Design Engineer Inspection Report	ZX115-ITR-7101 Concrete Pre-Pour Inspection Checklist	HOLD POINT				
6.6	Install Proprietary Formwork (Pedestal)			AS3610 & AS3600 Formwork shall be aligned to a tolerance of 20mm. Release agent applied to form.	ZX115-ITR-7101 Concrete Pre-Pour Inspection Checklist	HOLD POINT				
6.7	Install Embedded / Cast-in Items			Installed as per IFC drawings	ZX115-ITR-7101 Concrete Pre-Pour Inspection Checklist	WITNESS				

SECTION 7 - WTG FOUNDATION PLACEMENT (CONCRETE)

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	Place Concrete			As per ZX115-REP-0204 Section 1.5.3 and ZX115-DWG-1401 Concrete Notes	ZX115-ITR-7102 Concrete Pour Record Concrete Dockets	HOLD POINT				
7.2	Concrete Testing			As per ZX115-REP-0204 Section 1.6.2 Samples to be taken on first truck and every 50m3	ZX115-ITR-7102 Concrete Pour Record NATA Test Records	WITNESS				
7.3	Cure and Protect Concrete			As per ZX115-REP-0204 Section 1.9.2 An approved hydrocarbon based curing agent to be applied	ZX115-ITR-7104 Concrete Post-Pour Inspection Checklist	REVIEW				
7.4	Strip Formwork & Patch			As per ZX115-REP-0204 Section 1.13	ZX115-ITR-7104 Concrete Post-Pour Inspection Checklist	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	Redline markup of Construction Drawings			In line with ZX118-REP-0201 Earthworks, Roads and Drainage Specification and BMS-WIN-1024 - Document Red-Line Markup	Redline Markup in Master Drawing Folder	REVIEW				

8.2	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				
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