

WORK AREA:	CONTRACT NAME:	DESCRIPTION OF ACTIVITY:	Rev	Originator	Date	Approved	Date
Gillingham Road	N23041 Gillingham Road Bridge Replacement	Construction of MSE Wall and Retaining Wall	0	Akash Nada	08/04/2025	GvdLinde	
ITP No: 007			1				

Item No.	ITEM	ACTIVITY TASK	ACCEPTANCE CRITERIA	FREQUENCY	CERTIFYING DOCUMENTATION, RECORD OR CHECKSHEET	VERIFICATION SIGN OFFS	
						INTERNAL VERIFICATION AUTHORITY OR RESPONSIBILITY	CRITICAL HOLD POINT AUTHORITY
1.	Site Preparation	Site Clearance	Site clear of debris and vegetation	Once	Visual Inspection	R	W
2.	Material	Class C Geotextile	As approved by the Engineer	Prior to placing order	Suppliers Documentation	R	R
		Miragrid GX130 Geogrid	Free from damages	Upon delivery on site	Suppliers Documentation	R	R
		Green Terramesh or similar approved	As approved by the Engineer	Prior to placing order	Suppliers Documentation	R	R
		Keystone Units	As approved by the Engineer	Prior to placing order	Suppliers Documentation	R	R
		Granular Fill	As per WSP technical specification section 5.3.2 Pg 11	Prior to placing order	Suppliers Documentation	R	R
3.	Initial set out	Survey	As per drawings and provided design model	Prior to subgrade preparation	Visual inspection	H	H
4.	MSE Wall	Subgrade Prep	Excavate to suit grade and slopes as per drawing and provided design model	Prior to placing Geotextile	Survey – As-built surface	H	R
		Place Class C Geotextile	As per drawings and site specification.	Prior to placing drainage aggregate	Visual Inspection Photos	R	R
		150mm thick 20/7 drainage metal or approved metal	As per drawings and site specification	Prior to placing Geogrid	Visual Inspection Photos	H	R
		Install subsoil drain	As per drawings and site specification	Prior to placing Subsequent lift works	Visual Inspection Photos	H	W

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		Miragrid GX130 Geogrid	Placed in continuous strips, tensioned and anchored in place on level compacted fill as per IFC drawings	Prior to placing ea. Subsequent lift works	Visual Inspection Photos	H	W
		Green Terramesh Wall	As per IFC Drawings, site specification and manufacturers specification. Void in face to be filled with Granular fill	Prior to placing ea. Subsequent lift works	Visual Inspection Photos	H	W
		Ea. 500mm GAP65 fill lift	Placed and compacted in layer – not exceeding 300mm layers	Prior to placing ea. Subsequent lift works	Test record sheet – as per requirement given below Visual Inspection As-built surface top of each finished lift	H	H
	Compaction Test	NDM compaction test	MDD \geq 95% Minimum of 5 NDM tests to be carried out at $\frac{1}{2}$ height and again at the top of the granular backfill. As per WSP technical specification section 5.2.1 pg 11	As directed by the Engineer	NDM test records	H	H
5.	Retaining Wall	Foundation works	Thoroughly Compacted granular fill foundation as per IFC drawings and site specification.	Prior to starting Subsequent works	Visual Inspections Test as directed by the Engineer	H	W
		Install keystone units	As per IFC drawing, site specification and manufacturers specification	During and Upon installation	Visual Inspection. Suppliers' documentation	H	W
		Install 110mm subsoil drain	As per IFC drawings and specification	Prior to backfill drainage metal	Survey as built	H	R
		300mm wide approved free draining granular metal	Backfilled back of the retaining to the bottom of finished surface	Prior to prep for the concrete footpath	Visual Inspection	R	R

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7.	As-Built Plans	Survey	As accepted by the Engineer	Upon completion of the works	As-built plans	H	R

INSPECTION & TEST PLAN

INSPECTION & TEST PLAN (ITP)

The ITP defines the required inspections during various stages of fabrication, construction and installation work. It is also a method of communicating these requirements to those doing the work and a verifying record that they have been carried out.

The ITP defines 2 different levels of inspection according to the following criteria:

- **Internal Verification:** This inspection or verification activity is required internally by United Civil. A Designated Internal Authority- Project Manager, Supervisor, Foreman or other authorised person is determined for the given inspection point or verification activity. Where a signature required verification is notified by signing the designated check sheet.
- **Critical Hold Points:** These are ONLY inspections required by the contract. It requires the Foreman/ Supervisor or Subcontractors Representative to notify the United Civil Project Manager that the hold point stage of inspection has been reached. Fabrication shall not proceed past this point unless the inspection has been carried out or approval to proceed is given in writing & signed by the Engineer's Representative.

The Engineer's Representative shall sign the Check sheet.

A Contract Hold Point is a contractual requirement. Where the Engineer's Rep has not signed or for whatever reason cannot sign the Hold Point off the Project Manager must signify verification by the Engineer by other means such email sign off or other formal correspondence and note as such on the ITP.
