

# Construction - Inspection & Test Plan Flow Tank Pad Earthworks

Well Name: \_\_\_\_\_

Contractor: \_\_\_\_\_

COO #: \_\_\_\_\_

#	Inspection / Test Point	Conformance Criteria	Cont. Initial	QGC Initial	Date
<b>Flow Back Tank Pad Setout</b>					
1.	Maximum disturbance area	Surveyors to stake out as per ATW.			
2.	Gravel pad dimensions	Outer pad = 82m × 82m Inner pad = 70m diameter			
3.	Batter slopes	Outer pad = minimum 1:3 (CSV approval required if steeper). Inner pad = 3.5%			
4.	Gravel pad crossfall	Outer pad = 0.2% one-way from drain corner to diagonally opposite corner. Inner pad = 0.0% fall			
5.	Access ramp	Connects smoothly with well pad at maximum 8%.			
<b>Construction</b>					
6.	Cultural heritage	Valid GDA in place and all Cultural Heritage requirements adhered to.			
7.	Topsoil stripping	Strip topsoil with grass and mulch (if available) to design depth. Stockpile at design location at maximum height of 2m, batters no steeper than 1:3, and contamination free.			
8.	Filling holes and localised depressions	Any holes and depressions resulting from clearing and grubbing shall be backfilled with local subsoil and compacted in layers not exceeding 200mm.			
9.	Subgrade preparation	Excavate and fill as required according to design lines, grades and dimensions.			
10.	Embankment fill	Uniformly laid in layers between 150mm (min.) to 300mm (max.) loose thickness before compacting at OMC to a DDR of 95% standard compaction. <ul style="list-style-type: none"><li>▪ For existing slopes steeper than 1:8 - A horizontal step at least 300 mm high shall be cut into the ground surface at the toe of the embankment prior to placing fill.</li><li>▪ Fill existing slopes steeper than 1:4 - A series of horizontal steps at least 300mm high shall be cut into the ground surface prior to being filled from the toe up. Such steps shall be continuous longitudinally and contiguous transversely.</li><li>▪ Stone size in fill shall be no greater than two-thirds of the uncompacted layer depth.</li></ul>			
11.	Subgrade final surface	Final subgrade surfaces (excavated and filled) shall be conditioned to a minimum depth of 150mm at OMC, then compacted to a DDR of 98% standard compaction.			
12.	Subgrade proof roll <b>(HOLD POINT)</b>	Allowing suitable dry-back, identify any defects (soft spots and vertical movement) in the subgrade by undertaking a proof roll with a fully loaded water truck. Rectify identified defects before laying gravel pad.			
13.	Gravel pad <b>(HOLD POINT)</b>	Lay gravel at OMC and compacted to a DDR of 98% standard compaction to achieve a minimum thickness of 150mm. <ul style="list-style-type: none"><li>▪ Allowing suitable dry-back, identify any defects (soft spots and vertical movement) in the gravel pad by undertaking a proof roll with a fully loaded water truck. Rectify identified defects before acceptance by QGC.</li><li>▪ Undertake 3 DCP tests evenly distributed along the tank perimeter and in the centre of the tank area to ensure a bearing capacity of 100kPa has been achieved.</li><li>▪ Undertake one compaction test within 1m of tank perimeter to verify a DDR of 98% standard compaction has been achieved.</li></ul>			
14.	Excavate 'Y' Sump <b>(HOLD POINT)</b>	Confirm sump orientation with CSV prior to excavation. Once orientation has been determined, excavate Y-sump as per design dimensions.			
15.	Well pad finished surface	The gravel finished surfaces must be a smooth, uniform, and in accordance with design lines, grades and dimensions. Ensure no debris or stones greater than 10mm.			
16.	Crusher dust	2m <sup>3</sup> of blue metal crusher dust to be placed at a corner of the pad.			
17.	Install rock-chute	Install 4m wide base rock-chute in accordance with standard drawing QCLNG-BA00-WEL-DWG-000002.			
18.	Reinstatement	Respread topsoil over all batters and disturbed areas around gravel pad.			
<b>Non-Conformance</b>					
<b>Notes</b>					
<b>Acceptance (Inspection confirm all works completed satisfactorily and any non-conformance resolved)</b>					
	<b>Name</b>	<b>Signature</b>			<b>Date</b>
<b>Contractor Supervisor</b>					
<b>Supervisor</b>					
<b>HydrEra Representative</b>					