

LOCATION: W:\0500\_DATA\1\0500\_CURRENT\13559\_06C\_WELL\_ENGINEERING\DATA\_SURVEY\DRAWINGS\STANDARD PLANS\CYCLING-849A-WEL-DWG-00007 - FLOW BACK TANK - REV 0.DWG  
 SAVE DATE & TIME: 20/09/2022 10:46:48 AM  
 PLOT DATE & TIME: 20/09/2022 10:46:48 AM

**Construction Details**

Contractor will be provided with specific pad design drawings containing:

- Plan and sectional diagrams showing existing surface contours, levels, gradients, dimensions, cut/fill volumes, topsoil stripping depth, and GPS coordinates.
- General set-out plan of infrastructure footprint and approved disturbance area extents with GPS coordinates.

Refer to **Construction Specifications** for requirements on:

- Clearing & Grubbing.
- Topsoil Stripping.
- Embankment Fill.
- Subgrade Preparations.
- Drainage, Erosion & Sediment Control.
- Materials Specifications.

**Gravel Hardstand**

Gravel hardstand is to be installed in accordance with the plan, sectional diagrams and dimensions provided.

- An outer 67m x 67m x 0.15m gravel pad shall be constructed at 0.2% fall with a vertical tolerance of ±25mm.
- An inner 51m diameter x 0.15m gravel pad shall be constructed at 0.0% fall with a vertical tolerance of ±25mm. Top of inner pad shall be 50mm proud at the highest point where circumference meets the outer pad with fill batters at 3.5%.
- For white rock gravel, padfoot rollers may only be used to break down oversize material.
- Gravel shall be moisture conditioned to OMC prior to compaction.
- Commence lineal rolling at outer edges and progress towards the centre line.
- Overlap each pass by up to 500mm or 30% of roller width. Continue rolling until compaction standard is met.
- Vibration during the compaction process shall only be engaged in one direction only.
- Vibration must not be activated during any change in direction of the roller.
- Compact to at least 98% SDD.
- White rock gravel shall not be compacted above 100% DDR.
- Use only smooth drum rollers for compacting pavement layers, not padfoot rollers.
- Bearing capacity shall be at least 100kPa inside tank area.
- Proof roll completed surfaces with a fully loaded water truck to identify softs spots or movement.
- Trim to design gradients.
- Final surface must be smooth and uniform with no debris or stones greater than 10mm. If sharp edges are observed at surface, install a sand or crusher dust layer prior to tank installation.
- Any defects identified are to be rectified before acceptance by CSV.

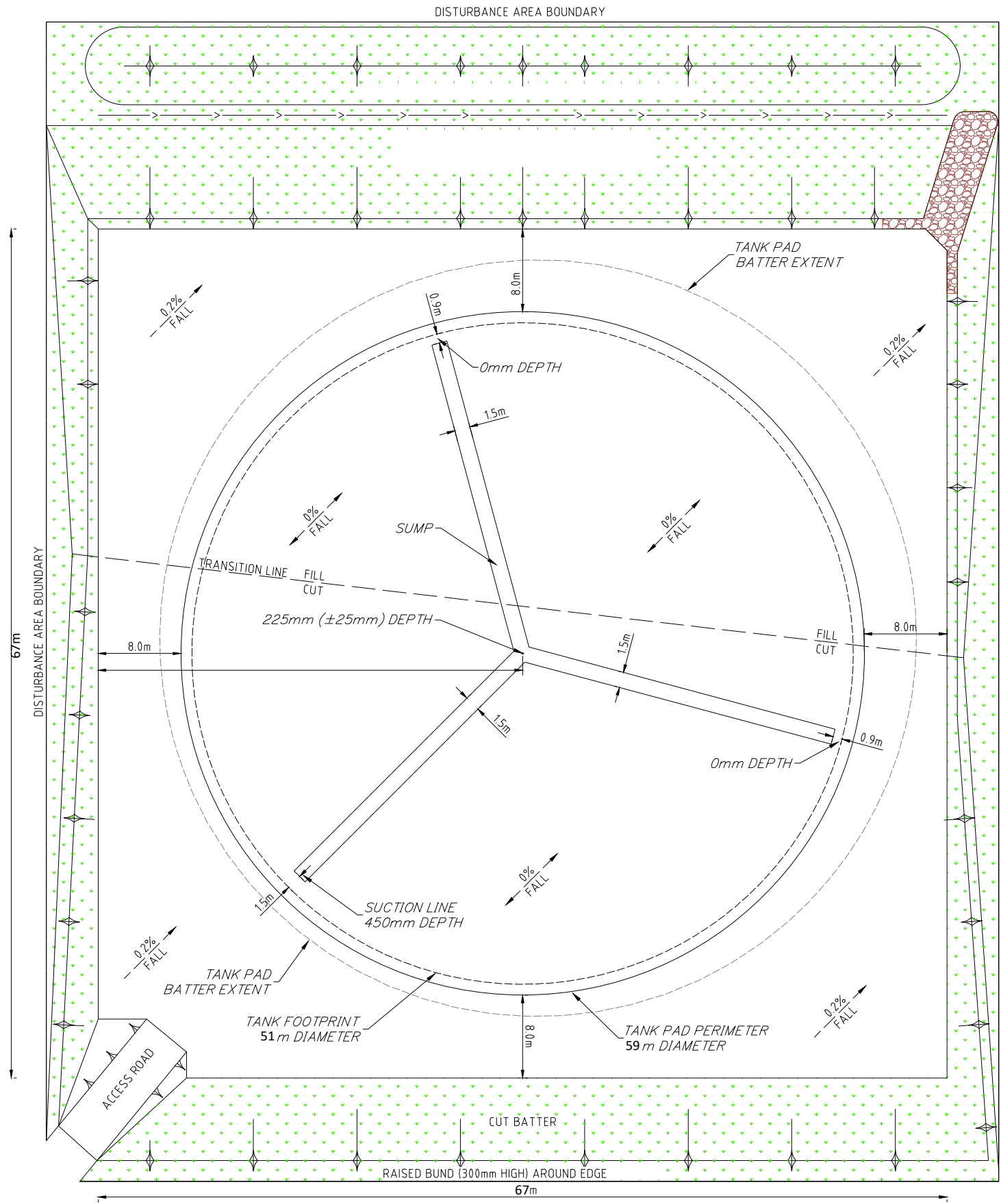
**'Y' Sump**

- Confirm orientation of sump with CSV prior to excavation.
- Excavate as per provided dimensions, and ensure:
  - Cut Batters are no steeper than 1:1 with edges rounded to prevent tearing of tank liner.
  - Water will drain to suction line end.
  - Final Surface is smooth and uniform with no debris or stones greater than 10mm.

**HydrEra Approval**

HydrEra approves this drawing as Hydrera standard for specific earthworks design of flow back tank pads.

Name:	Eddie Pigeon
Signature:	<i>Eddie Pigeon</i>
Position:	General Manager
Date:	11/10/2022



**LEGEND**

- ROCK CHUTE
- TOPSOILED

**PLAN**  
SCALE 1:250

Engineering Certified By:		0	21-SEP-22	DCC	PJC				
Name:		F	AMENDMENTS PER 12/07/2022 REVIEW	15-JUL-22	DCC	PJC			
Signature:		E	AMENDMENTS PER 04/07/2022 REVIEW	05-JUL-22	DCC	PJC			
RPEQ Number:		D	AMENDMENTS PER 06/06/2022 REVIEW	07-JUN-22	DCC	PJC			
Date:		C	TANK PAD FILL BATTER PER 09/05/22 REVIEW	09-MAY-22	DCC	PJC			
		B	AMENDMENTS PER 27/04/2022 REVIEW	28-APR-22	DCC	PJC			
		A	ISSUED FOR DISCUSSION ONLY	10-MAR-22	DCC	PJC			
REV.	DESCRIPTION	DATE	SURV	DRAWN	SURV_CHK	DWG_CHK	APP'D	CLIENT	

DESIGNED: DCC	DATE: 10-MAR-22	DRAWING TITLE:  <b>TYPICAL TANK</b>
DRAWN: DCC	DATE: 10-MAR-22	
CHECKED: QGC	DATE:	
APPROVED:	DATE:	
SCALE: A5 SHOWN		
STATUS: -	SHEET SIZE: A1	DRAWING No. DWG-000007
		REVISION: 0