



QUALITY - AS/NZS 4130

HDPE ITP - Inspection & Test Points

Shark Bay Bitterns - Field Piping Installation

DTL-PRJ0072-ITP-001

Rev A

H Hold**W** Witness**R** Record only

No.	Activity	Acceptance criteria	Reference	Record	DTL	SBR	Signed / date
1.0 MATERIAL RECEIVAL & STORAGE							
1.1	Delivery inspection	Pipe/fittings free of transit damage, gouges >10% wall, UV degradation.	AS/NZS 4130	Receival log			
1.2	Certification check	CoC & AS/NZS 4130 compliance certificate present; batch/heat recorded.	SOW MDR	Traceability record			
1.3	Storage	Supported, shaded, no point loads; UV protection if >12 months.	Mfr guidance	-			
2.0 BUTT FUSION JOINTING							
2.1	Machine set-up	Correct clamps/inserts; faces aligned; drag pressure recorded.	AS/NZS 4130 App.	Weld register			
2.2	Heater plate temp	Plate temperature within approved range, verified each shift.	TEM-0003	Heater Plate Check			
2.3	Fusion parameters	Heat-soak, fusion & cooling times/pressures to approved parameters.	TEM-0003	Weld register			
2.4	Bead inspection	Twin uniform beads, correct width, no mismatch >10% wall; cooled undisturbed.	AS/NZS 4130	Weld register			
2.5	Weld numbering	Each joint numbered and located on the weld map.	QMP	Weld map			
3.0 INSTALLATION							
3.1	Stringing & alignment	Route, bend radius >= mfr minimum, no kinks; support.	Drawing	ITP sign-off			
3.2	Road crossings / cover	Depth, sleeve/casing and cover to drawing.	Drawing	ITP sign-off			
3.3	Earth mounding	Profile and compaction to drawing.	Drawing	ITP sign-off			
4.0 CONNECTIONS							
4.1	Flanged / mechanical joints	Alignment, gasket, bolt torque to spec; connection recorded.	Mfr spec	Connection record			
4.2	ARV, tie-ins, standpipes, scour	Fit, orientation, function to drawing.	Drawing	ITP sign-off			
5.0 TESTING & HANDOVER							
5.1	Pressure / leak test	Test pressure, hold time and acceptance to approved test procedure.	AS/NZS 4130 / spec	Test certificate			
5.2	Weld map complete	All welds mapped and cross-referenced to the register.	QMP	Weld map			
5.3	Records & MDR	All ITP points signed, NCRs closed, MDR compiled.	SOW MDR	MDR			

NAME	POSITION
PREPARED / ISSUED - DTL	
SIGNATURE	DATE

NAME	POSITION
ACCEPTED - SBR	
SIGNATURE	DATE