


NOTES:

1. REFER TO RELEVANT PIPING LAYOUT DRAWING FOR PIPE SPECIFICATION/CLASS OF TAPPING AND RUN PIPE.
2. QUANTITIES LISTED ARE REFERENCED FROM REQUIRED COMPONENTS FOR EACH ASSEMBLY AS SHOWN ON THIS DRAWING ONLY. OPTIONAL COMPONENTS TO SUIT SPECIFIC LOCATIONS HAVE NOT BEEN INCLUDED.
3. EDGE OF PENETRATION HOLE INTO RUN PIPE MUST BE CLEAN AND SQUARE OR ROUNDED SLIGHTLY, FREE FROM BURRS, WIRE EDGES OR OTHER IRREGULARITIES.
4. ALTERNATE DESIGN WHERE GROUND CLEARANCE DOES NOT ALLOW INSTALLATION OF STANDARD DESIGN.
5. REFER TO PIPE SPECIFICATIONS AND VALVE DATASHEETS FOR FULL DETAILS.
6. GATE VALVE HANDLE ORIENTATION INDICATIVE ONLY. ORIENTATE ON SITE TO PROVIDE ADEQUATE ACCESS TO VALVE HANDLES. VALVE HANDLES MAY BE OFFSET AS REQUIRED.

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BILL OF MATERIALS (NOTE 3, 6)						
ITEM	QUANTITY		SIZE (DN)	MATERIAL	DESCRIPTION	
	LPD	LPDA				
1	1	1	50	ASTM A105	WELDOLET, SCH160 (DN RUN PIPE x DN50 SCH80)	WELDOLET, SCH160 (DN RUN PIPE x DN50 SCH160)
2	2	1	50	API-5L Gr. B OR APPROVED EQUIVALENT	PIPE NIPPLE, SMLS, PBE, SCH160, 100mm LONG	PIPE NIPPLE, SMLS, PBE, SCH160, 100mm LONG
3	2	2	50	-	GATE VALVE, WN RTJ, CL900, REFER DATASHEET	GATE VALVE, WN RTJ, CL1500, REFER DATASHEET AGGC-EMG-DSH-0023
4	-	1	50	ASTM A234-WPB	ELBOW, SCH160, 90°, LR	ELBOW, SCH160, 90°, LR
5	-	2	50	API-5L Gr. B OR APPROVED EQUIVALENT	PIPE NIPPLE, SMLS, PBE, SCH160, LENGTH TO SUIT	PIPE NIPPLE, SMLS, PBE, SCH160, LENGTH TO SUIT
6	2	4	50	ASTM A105	FLANGE, WN RTJ, CL900	FLANGE, WN RTJ, CL1500
7	3	4	50	SOFT IRON	GASKET, OCTAGONAL RING, TO SUIT CL900 RTJ FLANGE	GASKET, OCTAGONAL RING, TO SUIT CL1500 RTJ FLANGE
8	3 SETS	4 SETS	-	ASTM A193-B7/ ASTM A194-2H	BOLT SET, STUD BOLT W/2 HEAVY HEX NUTS, UNC, 7/8"x145mm, 8/FLG	BOLT SET, STUD BOLT W/2 HEAVY HEX NUTS, UNC, 7/8"x145mm, 8/FLG

FIRM NAME AND ADDRESS



PROJECT NAME AND ADDRESS

CONNECTION OF MAKE UP WELLS
OW-53B, OW-53C AND OW-53D
AT OLKARIA GEOTHERMAL PROJECT

DRAWING TITLE

STANDARD DETAILS
LOW POINT DRAINS CLASS 900
CARBON STEEL PIPING

DRAWING No.
OW-53-SFD-EB-DRG-037

Date
24/03/2019

Scale
As noted