Valve and Tee Listing

Client: Enbridge Energy Limited Partnership
Project: NPS 20 GEOPIG Geometry Inspection
Run Date: July 30, 2013
Location: Line 5 Straights of Mackinac - West Loop
Projection: UTM
Datum: WGS 84
Zone: 16
C.M.: -87

BAKER HUGHES

Feature Identifier	Absolute Chainage (ft)	Enbridge Chainage (ft)	Nearest U/S GWD	Dist to U/S GWD (ft)	Comments	Northing (m)	Easting (m)	Height (m)
TEE 1	94.68	-4.70	13	1.43		5,078,864.54	674,361.04	143.22
TEE 2	95.68	-3.68	13	2.43		5,078,864.61	674,360.74	143.22
VLV 1	99.26	-.05	23	1.91	VALVE MP 1475.6	5,078,864.86	674,359.68	143.21
TEE 3	103.98	4.69	41	1.12	20 IN OFFTAKE-FORGED	5,078,865.19	674,358.28	143.21
TEE 4	196.98	96.58	135	14.81		5,078,868.14	674,331.31	140.28
TEE 5	21,826.42	21,545.47	8570	1.46	16 IN OFFTAKE-FORGED	5,072,724.15	672,939.09	160.33
VLV 2	21,831.74	21,550.38	8590	1.57	VALVE MP 1479.5	5,072,723.80	672,940.68	160.33