

D.V.H. LOCATIONS

CALCULATION SHEET.

VANGORDA TRAVERSE # 1

V.T.M. CO'ORD'S

DA

019050

BACKSIGHT	HIW 1459	-	✓	✓	✓
STATION	A	-	✓	✓	✓
FORESIGHT	81-VR-05	81-VR-04	81-VR-03	81-VR-02	81-VR-01
HORZ. DIST.	52.332	22.471	8.842	38.749	68.323
H.I.	+1.436	+1.436	+1.436	+1.436	+1.436
H.P.	-1.220	-1.220	-1.220	-1.220	-1.220
DIFF.	+3.985	+2.145	-2.305	-8.300	-12.636
STA. ELEV.	1163.685	✓	✓	✓	✓
DIFF.	+4.201	+2.361	-2.089	-8.084	-12.420
OLLAR	1167.886	1166.046	1161.596	1155.601	1151.049
AZIMUTH FS	193-02-48	✓	✓	✓	✓
Top 180°	-180	✓	✓	✓	✓
B.S. AZIMUTH	13-02-48	13-02-48	13-02-49	13-02-48	13-02-48
HORZ. <	37-39-18	39-57-15	190-08-04	209-15-55	209-52-55
AZIMUTH	5042-06	53-00-03	20370-52	222-18-43	222-55-43
BEARING					
STA. NORTHING	6903129.959	✓	✓	✓	✓
LAT.	+33.145	+13.523	-8.128	-28.655	-50.026
HOLE COORD.	6903163.092	6903143.482	6903121.550	6903101.304	6903079.833
STA. EASTING	594217.498				
DEP.	+40.498	+17.946	-3.481	-26.085	-46.534
HOLE COORD	594258.005	594235.444	594215.482	594191.413	594170.964

D.D.H. LOCATIONS

CALCULATION SHEET.

DA

VG # 1 TRAV.

BACKSIGHT	A				
STATION	B				
FORESIGHT	81-VR-06	81-VR-07	81-VR-08	81-VR-09	81-VR-10
HORZ. DIST.	70.179 ✓	38.983 ✓	7.688 ✓	22.283 ✓	52.243 ✓
H.I.	+1.527 ✓	-	-	-	-
H.P.	-1.220	-	-	-	-
DIFF.	-11.736	-6.912	-1.887	+3.298	+7.106
STA. ELEV.	1157.666 ✓	✓	✓	✓	✓
DIFF.	-11.429	-6.605	-1.580	+3.605	+7.413
OLLAR	1146.237 ✓	1151.061 ✓	1156.086 ✓	1161.271 ✓	1165.079 ✓
AZIMUTH FS	138-46-03 ✓	✓	✓	✓	✓
TOP 180°	+180°	-	-	-	-
B.S. AZIMUTH	318-46-03	318-46-03	318-46-03	318-46-03	318-46-03
HORZ. <	271-49-48	271-25-01	273-12-53	85-54-53	88-47-11
AZIMUTH	230-35-51	230-11-04	231-58-56	44-40-56	47-33-14
BEARING					
STA. NORTHING	6903078.277				
LAT.	-44.547 ✓	-24.962	-4.735	+15.844	+35.326
FILE COORD.	6903033.730	6903053.315	6903073.542	6903094.121	6903113.601
STA. EASTING	594262.789				
DEP.	-54.228 ✓	-29.943	-6.057	+15.669	+38.625
FILE COORD	594208.551	594232.846	594256.732	594278.458	594301.415

D.I. ' LOCATION S
CALCULATION SHEET.

DA

VG TRAVERSE # 1

BACKSIGHT	B	✓	✓	✓	✓
STATION	C	✓	✓	✓	✓
FORESIGHT	81-VR-17	81-VR-13	81-VR-35	81-VR-16	81-VR-14
HORZ. DIST.	91.995	61.676	33.930	31.220	31.964
H.I.	+ 1.442	✓	✓	✓	✓
V.P.	- 1.220	✓	✓	✓	✓
DIFF.	- 6.528	- 5.699	- 3.904	- 3.899	+ 1.833
STA. ELEV.	1153.894	✓	✓	✓	✓
DIFF.	- 6.306	- 5.477	- 3.682	- 3.677	+ 2.105
COLLAR	1147.588	1148.417	1150.212	1150.217	1155.999
AZIMUTH FS	128-09-29	✓	✓	✓	✓
Cor. 180°	180-00-00	✓	✓	✓	✓
B.S. AZIMUTH	308-09-29	308-09-29	308-09-29	308-09-29	308-09-29
HORZ. <	285-21-33	288-02-24	286-55-58	292-05-58	84-41-30
AZIMUTH	233-31-02	236-11-53	235-05-27	240-15-27	232-50-59
BEARING					
STA. NORTHING	6902998.051	✓	✓	✓	✓
LAT.	- 54.698	- 34.312	- 19.417	- 15.489	- 19.303
HOLE COORD.	6902943.353	6902963.739	6902978.634	6902932.563	6902978.748
STA. EASTING	594364.879	✓	✓	✓	✓
DEP.	- 73.967	- 51.251	- 27.825	- 27.107	- 25.477
HOLE COORD.	594290.912	594313.628	594337.054	594337.772	594333.402
					594382.217 P&T

D.L.H. LOCATIONS
 CALCULATION SHEET.
 V6 TRAVERSE #1

DA

BACKSIGHT	B	✓	✓
STATION	L	-	✓
FORESIGHT	81-VR-15	81-VR-11	81-VR-12
HORZ. DIST.	9.136	69.478 ✓	95.234
H.I.	+1.442	✓	✓
H.P.	-1.220	✓	✓
DIFF.	-1.755	-2.568	-9.364
STA. ELEV.	1153.894	✓	✓
DIFF.	-1.533	-2.346 ✓	-9.142 ✓
LOLLAR	1152.361	1151.548 ✓	1144.752 ✓
AZIMUTH FS.			
TOP - 180°			
B.S. AZIMUTH	308-09-29	308-09-29	308-09-29
HORZ. L	11-23-08	07-53-00	328-03-43
AZIMUTH	319-32-37	316-02-29	276-13-12 ✓
BEARING			
STA. NORTHING	6902998.051		
LAT.	+ 6.952	+50.013 ✓	+10.318 ✓
HOLE COORD.	6903005.005	6903048.064	6903008.369 ✓
STA. EASTING	594364.879		
DEP.	- 5.928	-48.227 ✓	-94.673 ✓
HOLE CO-ORD	594358.951	594316.652	594270.206 ✓

SURVEY CALCULATION SHEET (VANBORNA TRAVERSE # 1)

Station	Horiz. Angle	Azimuth	Slope Dist.	Vert. Angle	Horiz. Dist.	Lat.	Dep.	TRIAL CO-ORDS. Calculated		Adjusted	
								Northings	Eastings	Northings	Eastings
HIW 1460					ADJUSTED TO UTM 870.9775						
		309-59-06									
HIW 1459	243-03-42							6903174.255	594227.774		
"A"						(+0.010)	(-0.009)	(+0.010)			
	193-02-48				45.480	-44.306	-10.267	6903129.949	594217.507	6903129.959	594217.498
"B"	125-43-14 (+01)					(+0.010)	(-0.014)	(+0.010)			
	138-46-03				68.736	-51.692	+45.305	6903078.257	594262.812	6903078.277	594262.789
"C"	167-23-25 (+01)					(+0.011)	(-0.026)	(+0.011)			
	128-09-29				129.863	-80.237	+102.116	6902998.020	594364.928	6902998.051	594364.879
	136-31-08					(+0.010)	(-0.017)	(+0.010)			
HIW 1456		84-40-37			81.681	+7.578	+81.329	6903005.598	594446.257	6903005.639	594446.191
	109-11-40										
HIW 1458		12-52-17									
ACTUAL BEARING OF 1456 - 1458		12-52-17						HIW 1456	6903005.639	594446.191	
	DIFF	+(02")						DIFF	(+0.041)	(-0.066)	
					Σh	325.765 m					
								LINEAR CLOSURE	?	1 ? 4193	

June 8/81