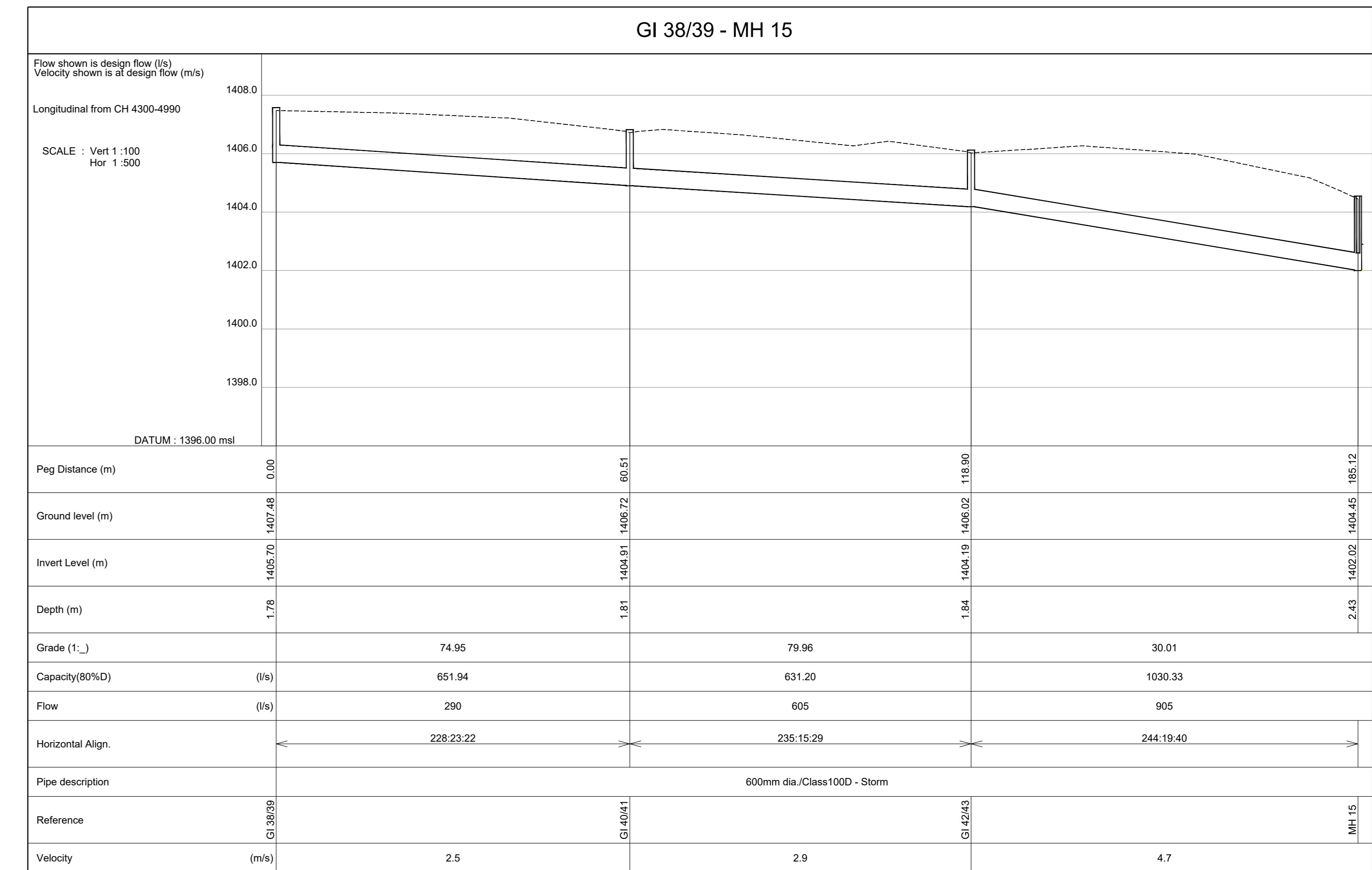


SW 81 - GI 36/37

Pipe lengths (m)			
Reference	Horiz.	Slope	
SW81 - SW83	38.543	38.549	
SW83 - GI 34/35	59.849	59.873	
GI 34/35 - GI 36/37	81.225	81.305	

Pipe design data					
Reference	Y	X	IL in / out	DEPTH in / out	
SW81	88620.861	3283694.892	1399.200	1399.198	2.131 2.133
SW83	88592.337	3283698.970	1399.900	1399.900	2.280 2.280
GI 34/35	88545.862	3283630.415	1401.600	1401.600	2.285 2.285
GI 36/37	88483.100	3283579.718	1405.200	1405.200	2.218 2.218



GI 38/39 - MH 15

Pipe lengths (m)			
Reference	Horiz.	Slope	
GI 38/39 - GI 40/41	60.508	60.513	
GI 40/41 - GI 42/43	59.392	59.396	
GI 42/43 - MH 15	66.220	66.255	

Pipe design data					
Reference	Y	X	IL in / out	DEPTH in / out	
GI 38/39	88382.684	3283482.080	1405.700	1405.700	1.776 1.776
GI 40/41	88337.444	3283441.899	1404.909	1404.909	1.814 1.823
GI 42/43	88289.461	3283408.622	1404.185	1404.185	1.839 1.839
MH 15	88229.778	3283379.934	1402.019	1402.000	2.430 2.449

FOR FINAL APPROVAL

	AS BUILT	CONTINUED FROM: C45233	DESIGNED BY: M MARAIS	Designed by:-	transport	UPGRADE OF MAIN ROAD P402 (HOLY FAMILY CONVENT - KWAMGWAGWA)	STAKED KM DISTANCE AS SHOWN	SHEET 11 OF 12
		CONTINUED ON: C45235	CHECKED BY: K GOVENDER			DESCRIPTION	SCALE	PLAN No.
		CROSS SECTION NO: C41972-C41982	DRAWN BY: P RAMAUTAR	NAIDU CONSULTING	Department: Transport	FROM KM 0+000 TO KM 7+517	HOR 1:2000	C45234
		PLAN NO: C41964-C41971	CHECKED BY: M SINGH	NAIDU CONSULTING - CONSULTING ENGINEER K. GOVENDER	Province of KwaZulu-Natal	PIPE LONGITUDINAL SECTION	VERT 1:200	
			SIGN: _____ DATE: _____	Naidu Consulting no. - D267/4120/D	TRANSPORTATION ENGINEERING: CHIEF ENGINEER			
					HEAD: TRANSPORT			

C45234