



GI 11 - MH 5

Pipe lengths (m)						
Reference	Horiz.	Slope				
GI 11 - MH 5	17.402	17.435				
Pipe design data						
Reference	Y	X	IL in / out	DEPTH in / out		
GI 11	88198.595	3287056.408	1441.863	1441.863	1.834	1.834
MH 5	88182.532	3287049.714	1443.100	1442.942	1.835	1.993

GI 14 - PI2 TBC

Pipe lengths (m)						
Reference	Horiz.	Slope				
GI 14 - PI2 TBC	10.000	10.000				
Pipe design data						
Reference	Y	X	IL in / out	DEPTH in / out		
GI 14	88503.142	3286417.122	1453.890	1453.890	1.637	1.637
PI2 TBC	88512.434	3286420.817	1453.700	1453.700	2.042	2.042

SW 19 - PI3 TBC

Pipe lengths (m)						
Reference	Horiz.	Slope				
SW 19 - GI 15	2.904	2.905				
GI 15 - PI3 TBC	7.146	7.147				
Pipe design data						
Reference	Y	X	IL in / out	DEPTH in / out		
SW 19	88512.328	3286337.146	1450.472	1450.472	1.827	1.827
GI 15	88509.547	3286336.310	1450.400	1450.400	1.683	1.683
PI3 TBC	88502.659	3286335.213	1450.300	1450.300	1.690	1.690

MH 9 - HW 2

Pipe lengths (m)						
Reference	Horiz.	Slope				
MH 9 - GI 16	15.751	15.762				
GI 16 - HW 2	12.274	12.275				
Pipe design data						
Reference	Y	X	IL in / out	DEPTH in / out		
MH 9	88495.630	3286025.417	1441.300	1441.300	1.928	1.928
GI 16	88509.751	3286016.438	1440.719	1440.719	1.653	1.653
HW 2	88518.069	3286009.413	1440.608	-	-	-

HW 3 - HW 4

Pipe lengths (m)						
Reference	Horiz.	Slope				
HW 3 - D1.1	17.487	17.488				
D1.1 - HW 4	3.434	3.436				
Pipe design data						
Reference	Y	X	IL in / out	DEPTH in / out		
HW 3	88519.625	3285904.590	1438.400	1438.400	2.188	2.188
D1.1	88503.034	3285899.064	1438.499	1438.499	2.502	2.502
HW 4	88499.776	3285897.978	1438.609	1438.609	2.084	2.084

GI 20 - HW 7

Pipe lengths (m)						
Reference	Horiz.	Slope				
GI 20 - SW 42	22.317	22.319				
SW 42 - MH 11	9.019	9.019				
MH 11 - HW 7	12.128	12.131				
Pipe design data						
Reference	Y	X	IL in / out	DEPTH in / out		
GI 20	88589.533	3285425.644	1442.600	1442.600	1.759	1.759
SW 42	88582.417	3285404.492	1442.299	1442.299	2.253	2.253
MH 11	88578.992	3285396.149	1442.189	1442.189	1.568	1.568
HW 7	88572.491	3285385.910	1441.965	1441.965	-	-

FOR FINAL APPROVAL

<table border="1"> <tr><td>SYMBOL</td><td>DATE</td><td>DESCRIPTION</td><td>CHECKED</td><td>SIGNED</td></tr> <tr><td colspan="5">AMENDMENTS</td></tr> </table>	SYMBOL	DATE	DESCRIPTION	CHECKED	SIGNED	AMENDMENTS					<p>AS BUILT</p> <p>SUPERVISING ENGINEER DATE</p> <p>SUPERVISING AUTHORITY</p>	CONTINUED FROM: C45224 DESIGNED BY: M MARAIS	Designed by:	<p>Department: Transport Province of KwaZulu-Natal</p>	UPGRADE OF MAIN ROAD P402 (HOLY FAMILY CONVENT - KWAMGWAGWA) FROM KM 0+000 - KM 7+517 PIPE LONGITUDINAL SECTION	STAKED KM DISTANCE AS SHOWN SHEET 2 OF 12
	SYMBOL	DATE	DESCRIPTION	CHECKED	SIGNED											
	AMENDMENTS															
	CONTINUED ON: C45226 CHECKED BY: K GOVENDER	<p>Naidu Consulting no.- D267/4111/D</p>	TRANSPORTATION ENGINEERING : CHIEF ENGINEER HEAD : TRANSPORT	DESCRIPTION SCALE HOR 1:2000 VERT 1:200	PLAN No. C45225											
CROSS SECTION NO: C41972-C41982 DRAWN BY: P RAMAUTAR	CHECKED BY: M SINGH	SIGN: _____ DATE: _____	FROM KM 0+000 - KM 7+517 PIPE LONGITUDINAL SECTION	PLAN No. C45225												
PLAN NO: C41964-C41971 CHECKED BY: M SINGH	SIGN: _____ DATE: _____	SIGN: _____ DATE: _____	FROM KM 0+000 - KM 7+517 PIPE LONGITUDINAL SECTION	PLAN No. C45225												

C45225