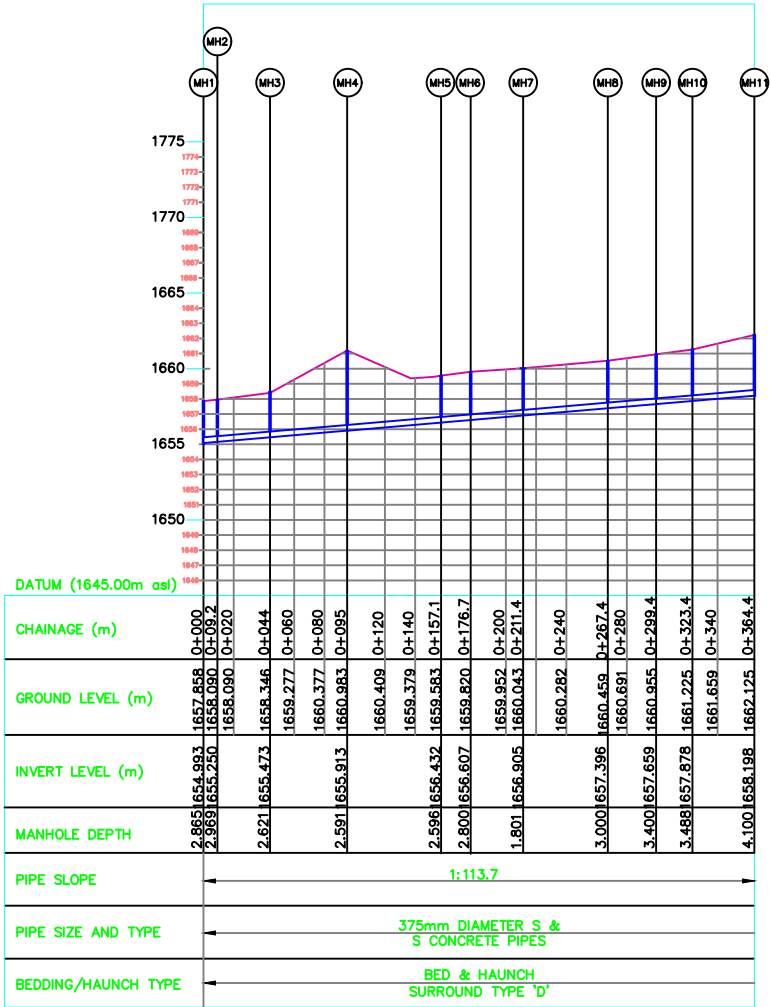


- NOTES**
1. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE.
 2. ALL LEVELS ARE IN METERS AND COORDINATES ARE BASED ON UTM.
 3. THE MANHOLE INVERT LEVELS AND PIPE SLOPES ARE AS SHOWN ON DRAWINGS UNLESS OTHERWISE INDICATED ON SITE BY THE ENGINEER.
 4. MANHOLE TO BE 25MM ABOVE THE GROUND ADJACENT TO ROAD, 150MM ON VERGES, AND 500MM ON OPEN GROUND. THE DEPTHS INDICATED ON THE DRAWING EXCLUDE THESE PROVISIONS.
 5. SEWERS ARE TO BE LAID TO EVEN GRADIENTS WITH A MINIMUM COVER OF 1.0M. WHERE COVER IS LESS THAN THIS, PIPE TO BE SURROUNDED WITH CONCRETE TYPE 'D' HAUNCH.
 6. FOR BEDDING, HAUNCH AND MANHOLE DETAILS REFER TO THE APPROVED STANDARD DRAWINGS.
 7. ALL ROAD AND RIVER CROSSINGS TYPE 'D' HAUNCH TO BE ADOPTED.
 8. ACTUAL POSITION OF MANHOLES IS AS SHOWN OR AS DIRECTED BY THE ENGINEER ON SITE.
 9. THIS DRAWING TO BE READ IN CONJUNCTION WITH THE APPROVED SEWER LAYOUT PLAN.

LEGEND	
	EXISTING GROUND LEVEL
	SEWER LINE
	PROPOSED MANHOLE
	EXISTING SEWER LINE



MANHOLES SETTING OUT CO-ORDINATES		
POINT	EASTINGS	NORTHINGS
MH-1	258991.000	9859304.000
MH-2	258986.097	9859312.398
MH-3	258953.080	9859323.896
MH-4	258904.277	9859339.039
MH-5	258842.870	9859349.335
MH-6	258823.116	9859352.729
MH-7	258788.685	9859362.020
MH-8	258737.400	9859382.405
MH-9	258707.269	9859393.686
MH-10	258683.666	9859398.433
MH-11	258643.427	9859407.631

PARK ROAD PROFILE
SCALES: HOR. 1:1000 & VER. 1:100

	NAIROBI CITY WATER & SEWERAGE COMPANY LIMITED P O BOX 30656-00100 NAIROBI	PROJECT PARK ROAD AFFORDABLE HOUSING SEWER UPGRADE PROJECT	SURVEY WORK			DESIGN WORK			APPROVED Eng. Lucy N. Macharia SIGN. _____ TECHNICAL DIRECTOR	DATE	MARCH 2020
			SURVEYED	H. MUJOMBA	SIGN.	DESIGNED	A. KARANJA	SIGN.		SCALE	HOR: 1 : 5000 VERT: 1 : 200
			DRAWN	C. M. MACHUNIA	SIGN.	CHECKED	Eng. J. M MUNUVE	SIGN.		FIELD BOOK NO.	NCWS/TEC/ENG/004/
			CHECKED	S. KIMANI	SIGN.	CHECKED	Eng. D. MANORE	SIGN.		DRG No.	NCWS/TEC/ENG/004/S/546