











NOTES NAIVAWASCOCLSG PHASE 2 PROJECT ALL LEVELS ARE IN METERS UNLESS STATED OTHERWISE. 2. POSITION OF EXISTING SERVICES WILL BE CONFIRMED DURING SETTING-OUT. LOCATION AND DEPTH OF COVER OF ALL SERVICES MUST BE CHECKED ON SITE PRIOR TO EXCAVATION. EXISTING SERVICES ARE TO BE PROTECTED AND DIVERTED AS APPROVED BY THE ENGINEER. 5. CONTOUR ELEVATION IN METERS. HYDRAULIC GRADE (m amsl) THE ACTUAL ALIGNMENT WILL BE CONFIRMED DURING SETTING OUT. CHAINAGE (m) FOR CROSSING DETAILS REFER TO DATUM 1889 m amsl GROUND LEVEL (m amsl) STANDARD DRAWINGS HYDRAULIC GRADE (m amsl) MINIMUM COVER TOP ALL PIPES INVERT LEVEL (m amsl) TO BE 1.0M. TRENCH DEPTH (m) FOR THE TEMPORARY AND GROUND LEVEL (m amsl) PERMANENT SURVEY BENCHMARK INVERT LEVEL (m amsl) DETAILS USED IN THE DESIGN, STEADY-STATE HEAD (m) PLEASE REFER TO THE SURVEY TRENCH DEPTH (m) REPORTS. DESIGN FLOW (I/s) STEADY-STATE HEAD (m) OFFTAKE (I/s) DESIGN FLOW (I/s LEGEND: PIPE DETAILS OFFTAKE (I/s) PIPE DETAILS BEDDING DETAILS DDING DETAILS METER CHAMBER GRADIENT (m/km) RADIENT (m/km) VERTICAL ANGULAR DEVIATION ERTICAL ANGULAR DEVIATION ROAD CROSSINGS ORIZONTAL ALIGNMENT HORIZONTAL ALIGNMENT HORIZONTAL ANGULAR DEVIATION DOUBLE WALL CORRUGATED HORIZONTAL ANGULAR DEVIATION LONGITUDINAL PROFILE HIGH DENSITY 75mm LINE (0-950m) **HDPE** LONGITUDINAL PROFILE **POLYETHYLENE** 63mm LINE (0-621m) POLYVINYL CHLORIDE DIAMETER DIA GV **GATE VALVE GATE VALVE** DATUM 1908 m amsl HYDRAULIC GRADE (m amsl) HYDRAULIC GRADE (m amsl) HYDRAULIC GRADE (m amsl) CHAINAGE (m) CHAINAGE (m) CHAINAGE (m) GROUND LEVEL (m amsl) GROUND LEVEL (m amsl) GROUND LEVEL (m amsl) INVERT LEVEL (m amsl) INVERT LEVEL (m amsl) INVERT LEVEL (m amsl) TRENCH DEPTH (m) TRENCH DEPTH (m) TRENCH DEPTH (m) STEADY-STATE HEAD (m) DESIGN FLOW (I/s) STEADY-STATE HEAD (m) STEADY-STATE HEAD (m) OFFTAKE (I/s) DESIGN FLOW (I/s) DESIGN FLOW (I/s) PIPE DETAILS OFFTAKE (I/s) OFFTAKE (I/s) PIPE DETAILS PIPE DETAILS GRADIENT (m/km) BEDDING DETAILS **BEDDING DETAILS** VERTICAL ANGULAR DEVIATION GRADIENT (m/km) HORIZONTAL ALIGNMENT -40.00 -40.00 -40.00 -60.00 -20.00 GRADIENT (m/km) 17.24 0.00 0.00 HORIZONTAL ANGULAR DEVIATION VERTICAL ANGULAR DEVIATION VERTICAL ANGULAR DEVIATION HORIZONTAL ALIGNMENT HORIZONTAL ALIGNMENT HORIZONTAL ANGULAR DEVIATION HORIZONTAL ANGULAR DEVIATION **LONGITUDINAL PROFILE LONGITUDINAL PROFILE LONGITUDINAL PROFILE** 63mm LINE (0-788m) 63mm LINE (0-300m) 63mm LINE (0-158m) NAIVAWASCO CLSG PHASE 2 PROJECT ATE: OCTOBER, 2024 CONSTRUCTION OF HDPE PIPELINES FOR SOUTHERN CBD AND LAKEVIEW ZONE (PROFILE LAYOUT) WaterFund DATE: OCTOBER, 2024 Sign Date Approved Scale: AS SHOWN (A2) eet No: 5 OF 7 NAIVAWASCO-CLSG -5 REVISIONS







