

PIPE SCHEDULE-10BAR				
NO.	NO. OFF	MATERIAL	FITTING DESCRIPTION	FITTING SKETCH
1	8	EPOXY COATED	DN150 PUDDLE PIPE, FLANGED ONE END. FLANGE DRILLED TO SANS 1123 TABLE T1000/3	
2	4	STANDARD	DN150 FLANGED GATE VALVE FLANGE DRILLED TO SANS 1123 TABLE T1000/3	
3	1	HD-GALV.	DN150 HD GALVANIZED STEEL PUDDLE PIPE FLANGED ONE END. FLANGE DRILLED TO SANS 1123 TABLE T1000/3	
4	1	HD-GALV.	DN150 HD GALVANIZED PIPE, FLANGED BOTH ENDS FLANGE DRILLED TO SANS 1123 TABLE T1000/3	
5	1	HD-GALV.	DN150 HD GALVANIZED STEEL PUDDLE PIPE FLANGED ONE END. FLANGE DRILLED TO SANS 1123 TABLE T1000/3	

NOTES:

1. FLANGED CONNECTIONS MATING GALVANIZED FLANGES TO GALVANIZED FLANGES TO USE: STUDS BOLTS, SANS 1700-5-1 GR 8.8, HOT DIPPED GALVANIZED, THREAD TO SANS 1700-2-4 WITH HEX NUTS, NORMAL WEIGHT, SANS 700-14-1, GR 8.8, HOT DIPPED GALVANIZED.
2. FLANGED CONNECTIONS MATING GALVANIZED FLANGES TO STAINLESS STEEL FLANGES AND STAINLESS STEEL TO STAINLESS STEEL FLANGES TO USE: SA 193 GR.B8 STUDS WITH SA 194 GR.8M BUT. NICKEL SLIP TO BE APPLIED TO BEFORE TIGHTENING BOLTS.
3. ALL WASHERS, FLAT, NORMAL, DIN 125, MATERIAL TO MATCH NUT MATERIAL.
4. FLANGES AND PUDDLE FLANGES TO BE SANS 1123, TABLE T1000/3. MATERIAL TO MATCH PIPE MATERIAL.
5. GASKETS TO BE FULL FACE TYPE, PN10, KLINGERSIL C4430 1.5mm THICK.
6. QUANTITIES TO BE T.B.D BY CONTRACTOR.
7. ALL GALVANIZING TO BE HOT DIPPED GALVANIZED.
8. ALL GALVANIZED STEEL PIPING BELOW GROUND TO BE DENSO WRAPPED.
9. ALL HDPE PIPING TO BE FUSION BUT-WELDED.
10. DN500 FLANGES BOLT STUDS TO BE MIN. 145mm LONG.
11. DN400 FLANGES BOLT STUDS TO BE MIN. 130mm LONG.
12. DN300 FLANGES BOLT STUDS TO BE MIN. 115mm LONG.
13. DN100 FLANGES BOLT STUDS TO BE MIN. 95mm LONG.

GENERAL

- * THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL MATERIALS AND WORKMANSHIP CONFORM WITH THE DETAIL AND SPECIFICATIONS SHOWN ON THIS DRAWING, AND ALL RELEVANT SANS SPECIFICATIONS, IRRESPECTIVE OF WHETHER THE ENGINEER HAS INSPECTED THE WORKS ON SITE OR NOT.
- * ALL DIMENSIONS AND LEVELS TO BE CHECKED ON SITE AND CORRELATED WITH THE ENGINEER'S DRAWING BEFORE CONSTRUCTION COMMENCES.
- * NO SCALING WITH SCALE RULER FROM THIS DRAWING IS PERMITTED. THE CONTRACTOR MUST ENSURE THAT HE GETS GETS THE CORRECT DIMENSIONS FROM THE ENGINEER BEFORE CONSTRUCTION COMMENCES.
- * ALL MATERIALS AND CONSTRUCTION METHODS MUST COMPLY WITH THE NATIONAL BUILDING REGULATIONS (ACT NO. 103 OF 1977) INCLUDING ALL AMENDMENTS, AS WELL AS TO ALL LOCAL AUTHORITY REGULATIONS.
- * ALL MATERIALS MUST BE FINISHED AND FIXED STRICTLY IN ACCORDANCE WITH THE RELEVANT MANUFACTURES SPECIFICATIONS, UNLESS EXPLICITLY SPECIFIED DIFFERENTLY.
- * ANY DISCREPANCIES OR UNCLEAR ITEMS MUST BE POINTED OUT TO THE ENGINEER FOR CORRECTION OR EXPLANATION PRIOR TO COMMENCEMENT OF CONSTRUCTION.

PROJECT STATUS

Project Status

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT REG. NO. DATE

AMENDMENTS CODE

A.B.C./ : BEFORE TENDER
TO / : TENDER DRAWING
0.1,2./ : AFTER TENDER
Z / : AS BUILT

/A : BY CLIENT
/B : BY ARCHITECT
/C : BY MECHANICAL OR ELECTRICAL
/D : BY BVI
/E : BY OTHER ()

DATE INITIAL No./CODE REVISION DESCRIPTION

27/05/2026 Z.E.Y T0 FOR TENDER

RC CONCRETE LAYOUT

SCALE 1 : 100

PIPING LAYOUT

SCALE 1 : 100

Section 01

SCALE 1 : 100

Section 03

SCALE 1 : 100

Section 02

SCALE 1 : 100

Section 04

SCALE 1 : 100

DETAIL 01

SCALE 1 : 20

RC CONCRETE AND PIPING LAYOUTS, SECTION AND DETAIL-DETENTION TANK

APPROVED BY BVI

ENGINEER/TECHNOLOGIST 20160772 REG. NO. OCT 2016 DATE

SCALE As indicated @ A1 DRAWN Z. EYOUNG

DESIGNED W. CLOETE CHECKED D. GOOSEN

PLAN NUMBER REVISION NO. DATE SAVED

35023.01-133-01 T0 27/05/2026