



**LEGEND**  
 --- STORMWATER RETICULATION

**GENERAL NOTES.**  
 ALL LEVELS AND DIMENSIONS SHOWN ON THIS DRAWING ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF WORK.  
 ALL DIMENSIONS ARE TO BE CHECKED ON SITE AGAINST THE ARCHITECT'S DRAWINGS.  
**ALL SETTING OUT IS TO BE DONE ACCORDING TO THE ARCHITECT'S DRAWINGS.**  
 ANY DISCREPANCIES SHOWN ON THIS DRAWING IS TO BE REPORTED TO THE ENGINEER.  
 ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE LOCAL AUTHORITY BY LAWS.  
 DIMENSIONS ARE NOT TO BE SCALED OFF THIS DRAWING.  
 ALL REINFORCED CONCRETE WORK IS TO BE DONE IN ACCORDANCE WITH SABS 0100 OR LATEST AMENDMENT THEREOF.  
 ALL STRUCTURAL STEELWORK IS TO BE DONE IN ACCORDANCE WITH SABS 12004-1989 OR LATEST AMENDMENT THEREOF.  
 THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE REINFORCEMENT IN THE CORRECT POSITIONS AT ALL TIMES.  
 NO CAST OF CONCRETE IS TO BE UNDERTAKEN WITHOUT THE ENGINEER'S APPROVAL.  
 ALL CONCRETE IS TO BE VIBRATED.  
 ALL STRUCTURAL TIMBER WORK IS TO BE DONE IN ACCORDANCE WITH SABS 082-1988 OR THE LATEST AMENDMENT THEREOF.  
 ALL STRUCTURAL BRICKWORK IS TO BE DONE IN ACCORDANCE WITH SABS 0145-1978 AND SABS 0164-1980.  
 ALL WATERPROOFING TO ARCHITECTS OR SPECIALISTS DETAILS AND SPECIFICATIONS.  
 ALL STRUCTURAL TIMBER WORK IS TO BE APPROVED BY THE ENGINEER.  
**REINFORCED CONCRETE**  
 MAXIMUM ALLOWABLE GROUND BEARING PRESSURE = 100 kN/m<sup>2</sup>  
 ALL STRUCTURAL CONCRETE TO BE 30 MPa AT 28 DAYS UNLESS OTHERWISE STATED.  
**COVER TO REINFORCEMENT:**  
 SLAB 20MM  
 BEAMS 30MM  
 COLUMNS 30MM  
 RETAINING WALLS 20MM  
 FOUNDATIONS 50MM  
**LOADBEARING BRICKWORK**  
 MASONRY UNITS - MINIMUM COMPRESSIVE STRENGTH TO BE 15 MPa  
 MORTAR - CLASS 2  
 TOP OF LOADBEARING WALLS TO BE FINISHED WITH STEEL TROWELED MORTAR BED. TWO LAYERS OF PLASTIC BONDBREAKER TO BE LAID ON WALL PRIOR TO CASTING OF CONCRETE.  
 ALL EXPOSED CONCRETE EDGES TO BE CHAMFERED 25mm  
 ALL EXCAVATIONS AND TRENCHES TO BE APPROVED BY THE ENGINEER PRIOR TO CASTING OF FOOTINGS AND / OR BASES.  
 ALL REINFORCING STEEL TO BE APPROVED BY THE ENGINEER PRIOR TO CASTING OF CONCRETE.  
 CONTRACTOR IS RESPONSIBLE FOR MAINTAINING REINFORCING STEEL IN POSITION DURING POURING OF CONCRETE.  
 3 CONCRETE CUBES TO BE TAKEN FOR EACH NEW BATCH OF CONCRETE MIXED. CONTRACTOR TO ARRANGE FOR TESTING AT 7, 14 AND 28 DAYS. THE RESULTS OF THE TESTS TO BE FORWARDED TO THE ENGINEER AS SOON AS IT BECOMES AVAILABLE.  
 THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT BIDDING SCHEDULES.  
**STRUCTURAL STEEL**  
 ALL STEEL TO BE HOT ROLLED GRADE 300W STEEL UNLESS OTHERWISE STATED.  
 ALL WELDING TO BE 5mm FILLET WELDING UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.  
 PLATE THICKNESS > 12 TO 20 WELD = 6mm  
 PLATE THICKNESS > 20 TO 40 WELD = 8mm  
 ALL BOLTS TO METRIC SIZED GALVANISED BLACK BOLTS GRADE 8.8  
 ALL CUTTING, WELDING AND DRILLING TO CONFORM TO THE REQUIREMENTS OF SABS 0162-1984.  
 CUTS TO BE FREE OF ALL DIRT AND GREASE PRIOR TO WELDING.  
**WORKSHOP DRAWINGS TO BE FORWARDED TO THE ENGINEER FOR APPROVAL BEFORE MANUFACTURE.**  
 STRUCTURAL STEEL CONTRACTOR TO ENSURE THAT SUFFICIENT TEMPORARY VERTICAL BRACING IS INSTALLED DURING CONSTRUCTION. THIS MAY BE REMOVED DURING CONSTRUCTION OF THE BRICK INFILL PANELS UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.  
 STRUCTURAL STEEL CONTRACTOR IS RESPONSIBLE FOR ALL VALLEY, HIP AND GABLE END TRIMMERS.  
 STRUCTURAL STEEL PAINT SPECIFICATION  
 SURFACE PREPARATION  
 ABRASIVE BLAST CLEAN TO SWEDISH STANDARD SIS 055800 OF 1967 TO SA 2.5 OR WIRE BRUSHING TO ST 3 (BLAST PROFILE 40 - 75 MICROMETRES)  
 PRIMER  
 APPLY ONE COAT OF ZINC PHOSPHATE PRIMER BY BRUSH, ROLLER OR AIRLESS SPRAY.  
 DRY FILM THICKNESS : 40 - 50 MICROMETRES  
 FINISHING COAT - 1  
 APPLY ONE COAT OF ALKYD MICACEOUS IRON ORE BY BRUSH, ROLLER OR AIRLESS SPRAY.  
 DRY FILM THICKNESS : 35 - 40 MICROMETRES  
 FINISHING COAT - 2  
 APPLY ONE COAT OF MICACEOUS IRON ORE OR SUPER ENAMEL TO COLOUR SPECIFIED BY BRUSH, ROLLER OR AIRLESS SPRAY.  
 DRY FILM THICKNESS : 35 MICROMETRES

1 Stormwater Reticulation Schematic  
 1 : 400

REV.	DESCRIPTION	DATE

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PROJECT TITLE  
**PROPOSED NEW ONION DEHYDRATION PLANT**  
 Site: Portion 26 of Farm 817  
 Client: Du Toit Invest / CBI Global

DRAWING TITLE  
**Stormwater Reticulation Schematic**

**INFORMATION**

DRAWN	DATE	SCALE
NH	15/11/2017	1 : 400

JOB No	SHEET No	REVISION
S5034	5	

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