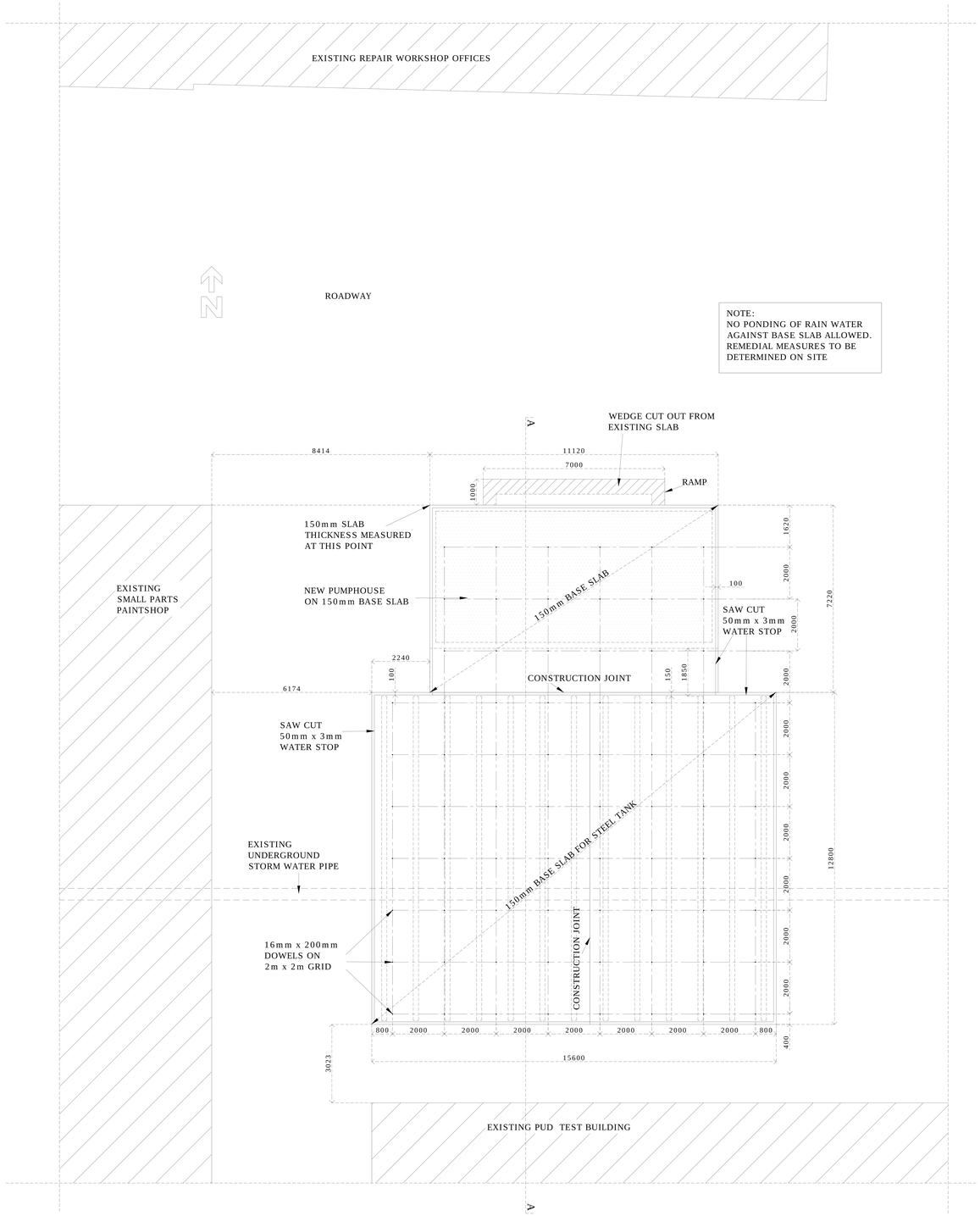
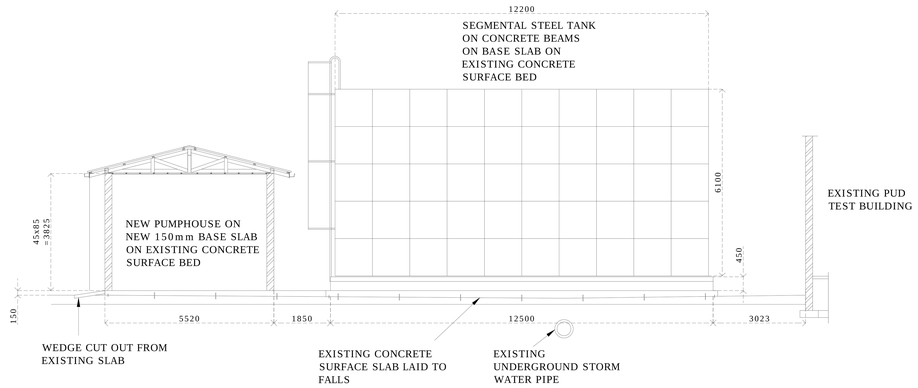
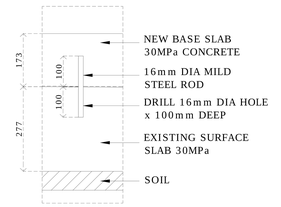


PUMPHOUSE BASE SLAB
1:100

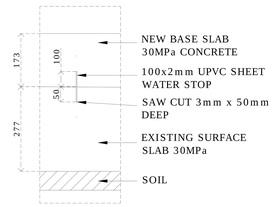


SECTION A-A
1:100



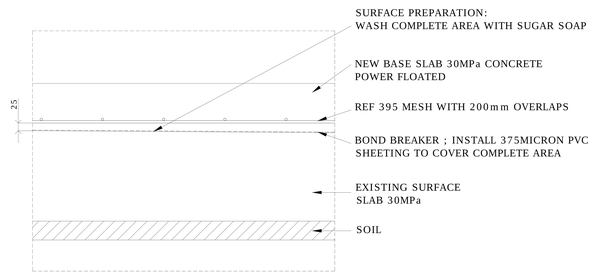
DOWEL
1:10

NOTE:
DOWELS ALSO BETWEEN PUMP SUMP & BASE SLAB

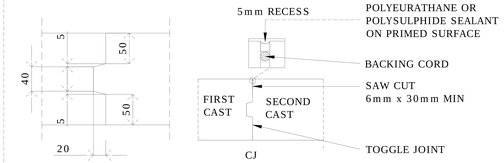


WATER STOP
1:10

NOTE
UPVC SHEET CUT TO SUIT AVAILABLE FROM PLASTIC WORLD 011 493 8492



SLAB
1:10



CONSTRUCTION JOINT DETAIL

ISSUED FOR TENDER

FOUNDATIONS & EARTHWORKS

1. SET OUT AS PER SETTING OUT DIMENSIONS AND BENCH MARK DETAIL.
2. FINAL POSITION AND BENCH MARK LEVEL TO BE APPROVED BY ARCHITECT (OR ENGINEER).
3. FOUNDATION LEVELS SHOWN ON DRAWINGS ARE PRELIMINARY ONLY, AND MUST BE FINALISED ON SITE.
4. ALL EXCAVATIONS TO BE DONE TRUE TO LINE AND LEVEL.
5. BOTTOM LEVELS OF BASES OR STRIP FOOTINGS AS SHOWN ARE PRELIMINARY AND HAVE TO BE CONFIRMED BY THE ENGINEER ON SITE IN ORDER TO OBTAIN THE SPECIFIED ALLOWABLE SOIL BEARING PRESSURE.
6. ALL EXCAVATIONS MUST BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY CONCRETE OR BLINDING IS CAST.
7. FILL BELOW FOUNDATION TO BE DONE AS PER DRAWING AND AS PER SITE INSTRUCTION
8. A 30mm THICK BLINDING LAYER OF 10 MPa CONCRETE SHALL BE CAST UNDER ALL REINFORCED FOUNDATIONS, UNLESS OTHERWISE APPROVED BY THE ENGINEER IN WRITING.
9. ALL BACKFILLING TO BE CONSTRUCTED OF APPROVED MATERIAL AND TO BE COMPACTED TO 95% MOD AASHTO DENSITY.

CONCRETE & REINFORCING

1. CONCRETE TO BE CAST ONLY AFTER EXCAVATION OR SHUTTERING HAVE BEEN APPROVED BY THE ENGINEER.
2. USE ONLY APPROVED MATERIALS.
3. MIX DESIGN TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL BEFORE ANY MATERIAL IS ORDERED.
4. STANDARD 28 DAY STRENGTH REQUIREMENTS WITH MINIMUM CONCRETE COVER OVER MAIN REINFORCING BARS :
FOUNDATIONS : 20 MPa & 75mm
BASES : 20 MPa & 50mm
STUB COLUMNS : 25 MPa & 40mm
STRUCTURE : 25 MPa & 30mm
GROUND FLOOR SLAB : 30 MPa & 50mm.
5. WATER CONTENT TO BE CONTROLLED STRICTLY AS PER APPROVED MIX DESIGN.
6. ALL SHUTTERING TO CONFORM TO THE SPECIFIED FINISH REQUIREMENTS.
7. ALL EXPOSED CORNERS TO HAVE MINIMUM 25mm X 25mm CHAMFER.
8. REINFORCING STEEL TO BE BENT AS PER THE BENDING SCHEDULES.
9. REINFORCING STEEL TO BE PLACED AS PER THE SCHEDULES AND PLACING DATAILS .
10.HOLD STEEL BARS POSITIVELY IN PLACE WITH APPROVED SPACERS TO OBTAIN THE PRESCRIBED COVER.
11. ALL STEEL TO BE INSPECTED AND APPROVED BY THE CONTRACTOR BEFORE THE ENGINEER IS NOTIFIED
12. ALL REINFORCEMENT TO BE INSPECTED AND APPROVED BY THE ENGINEER BEFORE ANY CONCRETE IS CAST.

STRUCTURAL STEELWORK

1. USE GIVEN DIMENSIONS ONLY. REQUEST DIMENSIONS FROM ENGINEER IF INCOMPLETE
2. IF IN DOUBT, ASK.
3. ENGINEER TO APPROVE WORKSHOP DRAWINGS BEFORE ANY FABRICATION IS DONE.
4. USE GRADE 300W STEEL ONLY.
5. USE GRADE 8.8 BOLTS UNLESS OTHERWISE SHOWN.
6. ALL WELDS TO BE FULLY PENETRATING AND LENGTH AS APPROVED.
7. AFTER FABRICATION, BRUSH CLEAN AND WIPE WITH TURPS.
8. APPLY SHOP COAT OF APPROVED ETCHING PRIMER.
9. APPLY FIRST COAT OF WHITE ENAMEL PAINT AT WORKSHOP.
10. ERECTION TO BE CARRIED OUT IN AN APPROVED MANNER BY COMPETENT PERSONNEL.
11. AFTER ERECTION, REPAIR SCRATCHES IN PRIMER BY HAND.
12. APPLY FINAL COAT OF APPROVED ENAMEL PAINT, COLOUR AS PER OWNER.

GENERAL SPECIFICATIONS :

ALL THE MATERIALS AND WORKMANSHIP SHOULD COMPLY WITH THE RELEVANT SABS SPECIFICATIONS USO

LEGEND :

APO = AS PER OWNER
TBC = TO BE CONFIRMED
TBO = TO BE ORDERED
MOS = MEASURE ON SITE
USO = UNLESS SHOWN OTHERWISE
C-C = CENTRE TO CENTRE
TOC = TOP OF COLUMN
@CL = AT CENTRE LINE
d = DEPTH
w = WIDTH
h = HEIGHT

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REV NO	DATE	ISSUED FOR
R0	16.08 2015	APPROVAL
R2	23.10 2015	TENDER

REV NO	DATE	REVISION
R0	16.08 2015	ORIGINAL DESIGN
R2	23.10 2015	DOORS

DO NOT SCALE | IF IN DOUBT ASK

ERF No.
7864 & 2-7352
PTN 114 OF RIETFONTEIN No. 4
6-5214

SUBURB
BENONI EXT 9
BENONI EXT 9
BENONI SOUTH

CITY
BENONI

DATE
AUG 2015

D.P.Zietsman
PrEng 760425
CIVIL & STRUCTURAL ENGINEER
VINKVLEI ESTATE
6 SWAN PLACE
PRESIDENTS DAM
SPRINGS
TEL 011-816 2487
CEL 082-895 1067
FAX 011-816 2585
P.O.BOX 45
PETERSFIELD
1566
SOUTH AFRICA
E-mail:
derick@vinkvlei.co.za

CLIENT
BAE LAND SYSTEMS

PROJECT
NEW SPRINKLER SYSTEM PUMPHOUSE

DWG TITLE
BASE SLAB DETAIL

DWG No.
1515 A103 Rev 2