



- INSPECTION PROCEDURES.**
- ALL WATER SUPPLY INSTALLATIONS ARE TO BE INSPECTED IN THE PRESENCE OF THE ENGINEER, THE CONTRACTOR AND THE JOHANNESBURG WATER (JW) WORKS INSPECTOR. (LARGE TOWNSHIPS MAY BE INSPECTED IN ACCEPTABLE STAGES, AS DECIDED ON BY THE ABovementioned PARTIES.) JW OFFICIALS MUST BE GIVEN TWO DAYS NOTICE PRIOR TO WHEN INSPECTIONS ARE REQUIRED.
 - ALL ERF SURVEY PEGS MUST BE CLEARLY VISIBLE DURING ALL INSPECTIONS.
 - FRUITLESS VISITS BY THE JW INSPECTORS WILL BE CHARGED FOR.
 - FIRST INSPECTION.
 - THE FIRST INSPECTION SHALL BE HELD ONCE THE PIPING AND FITTINGS HAVE BEEN INSTALLED.
 - BACKFILLED AND COMPACTED TO 50% OF THE DIAMETER OF THE PIPE.
 - THE EXCAVATIONS FOR THRUST BLOCKS SHALL BE LEFT OPEN FOR INSPECTION.
 - SECOND INSPECTION.
 - THE SECOND INSPECTION SHALL BE HELD ONCE THE COMPACTED BACKFILLING HAS BEEN COMPLETED TO APPROXIMATELY 300MM ABOVE THE TOP OF THE PIPES. ALL THE JOINTS AND FITTINGS ARE TO REMAIN EXPOSED FOR THIS INSPECTION.
 - THE CONCRETE THRUST BLOCKS WILL BE INSPECTED AT THIS STAGE AND SHOULD BE SUFFICIENTLY CURED.
 - THE PRESSURE TEST WILL BE DONE AS PART OF THE SECOND INSPECTION. NOTE: THE PRESSURE TEST FOR THE JW IS STRICTER THAN THE ONE RECOMMENDED IN SABS 1200, AND PROVISION MUST BE MADE FOR THIS.
 - THIRD INSPECTION.
 - THE THIRD INSPECTION WILL BE THE FINAL HAND OVER INSPECTION AND WILL ONLY TAKE PLACE ONCE ALL SNAGS FROM THE PREVIOUS INSPECTIONS HAVE BEEN ATTENDED TO.
- GENERAL NOTES:-**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE JOHANNESBURG WATER DRAWING. THE JW'S TYPED SPECIFICATION WILL BE CONSIDERED CORRECT WHERE DIFFERENCES OCCUR BETWEEN THE CONSULTING ENGINEER'S DRAWING AND THE JW'S REQUIREMENTS.
 - THE WATER RETICULATION DRAWING MUST BE APPROVED AND SIGNED BY THE DEVELOPMENT CONTROL MANAGER OF THE JOHANNESBURG WATER PRIOR TO ANY CONSTRUCTION PROCEEDING.
 - DURING CONSTRUCTION, NO DEVIATIONS FROM THE APPROVED DRAWINGS SHALL BE PERMITTED, WITHOUT WRITTEN APPROVAL FROM THE JW.
 - THE JW'S WORKS INSPECTOR SHALL BE ALLOWED ACCESS TO THE WORKS AT ALL TIMES. (IE. NOT ONLY FOR THE THREE OFFICIAL INSPECTIONS)
 - WHERE POSSIBLE STORMWATER PIPES THAT ARE IN CLOSE PROXIMITY TO THE WATER MAINS ARE TO BE INSTALLED FIRST.
 - THE POSITION AND DEPTHS OF ALL SERVICES ARE TO BE CONFIRMED ON SITE PRIOR TO ANY CONSTRUCTION PROCEEDING.
 - ALL STEEL FITTINGS SHALL BE COPON COATED. (EP2000)
 - THE TIE IN TO THE EXISTING RETICULATION MUST BE DONE BY THE CONTRACTOR. THIS TIE IN IS TO BE DONE UNDER THE JW'S SUPERVISION AND WILL ONLY BE COMPLETED ONCE THE THIRD INSPECTION HAS BEEN COMPLETED, AND ANY OTHER OUTSTANDING REQUIREMENTS HAVE BEEN COMPLIED WITH.
 - SERVICE CONNECTIONS: (RESIDENTIAL TOWNSHIPS ONLY).
 - THE DEVELOPER IS RESPONSIBLE FOR THE INSTALLATION OF THE WATER MAINS AND THE SERVICE CONNECTIONS, INCLUDING WATER METERS.
 - THE PRESSURE TEST WILL TAKE PLACE UP TO THE FIRST STAINLESS STEEL BALL VALVE. (NOTE: THE STAINLESS STEEL BALL VALVES ARE TO BE PLUGGED AND LEFT OPEN FOR THE PRESSURE TEST.)
 - ONCE THE PRESSURE TEST HAS BEEN PASSED, THE DEVELOPER WILL APPLY FOR INDIVIDUAL SERVICE CONNECTIONS. (CONTACT TIBOR CSERMAK, Tel: 791-0046 Fax: 791-3528)
 - THE DEVELOPER SHALL BE REQUIRED TO PAY A DEPOSIT FOR EACH ERF, AND THE FEE FOR THE METER AND ASSOCIATED ADMINISTRATION, IN TERMS OF THE JW LATEST TARIFF OF CHARGES.
 - WORKS ORDERS FOR THE SERVICE CONNECTIONS WILL THEN BE ISSUED, AND THE CONTRACTOR WILL DRAW THE METERS FROM THE JW STORES.
 - THE CONTRACTOR WILL THEN INSTALL THE REST OF THE SERVICE CONNECTION AS PER THE JW'S SPECIFICATION.
 - WATER RETICULATION SYSTEMS WILL NOT BE ACCEPTED AND TAKEN OVER BY THE JW IF THERE ARE ANY OUTSTANDING SNAGS OR IF ANY OF THE FOLLOWING HAS NOT BEEN SUBMITTED.
 - AN APPROVED SURVEYOR GENERAL PLAN.
 - A LETTER FROM THE CONSULTING ENGINEER GUARANTEEING THAT THE WORK WAS CARRIED OUT WITHIN THE APPROVED SPECIFICATION AND DEFINING THE START AND END OF THE ONE YEAR MAINTENANCE GUARANTEE PERIOD.
 - AS BUILT DRAWINGS.
 - PROOF OF PAYMENTS THAT ALL OUTSTANDING ACCOUNTS FOR WATER USED DURING CONSTRUCTION HAVE BEEN SETTLED.
- 1) GENERAL NOTES**
- The New Customer Manager at the Johannesburg Water (Pty) Ltd Regional Office must be notified before any construction work is started to ensure the installation of water or sewer is as per specification.
 - All construction work shall comply with the relevant SABS 1200 Specification and Johannesburg Water (Pty) Ltd specific requirements.
 - All construction work involving water and sewer mains shall comply with the relevant SABS Specification and with the minimum requirements of Johannesburg Water (Pty) Ltd.
 - The position and depth of all existing services on the site and all the site values affected by the works shall be confirmed prior to any construction work on the installation of water or sewer in area being commenced.
 - Only Johannesburg Water (Pty) Ltd staff shall carry out in accordance to existing water and sewer methods and plans. Note that a minimum of 2 weeks notice shall be given to Johannesburg Water (Pty) Ltd staff to attend site inspections, meeting and any other necessary on site liaison.
- 2. SPECIFIC WATER REQUIREMENTS**
- For standard details refer to Johannesburg Water standard drawing DWG 1, 2, 3, 4 & 5.
 - Protection of bridge and manholes.
 - Steel mains: Copon lined and suitably wrapped per specification.
 - Steel fittings: Copon coated internally and suitably wrapped per specification.
 - Position of face of road off connections to be marked by 300mm x 300mm x 100mm concrete blocks.
 - All valves and belowground hydrant chambers to be water-tight.
 - Position of face of road off connections to be marked by 300mm x 300mm x 100mm concrete blocks.
 - The contractor shall not operate any water valve or other fittings without the permission of Johannesburg Water (Pty) Ltd.
 - Cover to water mains.
- The depths listed are depths to first ground level (include if any land-raising undertaken on the site).
- | Service | Minimum (mm) | Maximum (mm) |
|---|--------------|--------------|
| General Road | 100 | 1500 |
| Tarmac roads and traffic lanes | 80 | 1500 |
| Paved areas and other areas not used by vehicular traffic | 80 | 1500 |
- 2.7 All water mains are to be installed at 2 meters from erf boundaries unless otherwise shown on the drawing.
- 2.8 Any other details constructed are to properly sheltered and cast against undisturbed ground. Any other excavation is to be filled with mass concrete.
- SCALE 1:2000**

CONSULTING ENGINEERS - RAADGEWENDE INGENIEURS

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Note: Unless the drawing has been signed by a registered professional it is issued for information only.

DEPARTMENT / DEPARTEMENT	APPROVED / GOEDGEKUR	SIGNATURE / AMPSEBENAMING	DATE / DATUM

CITY OF JOHANNESBURG

Huddle Park Residential
General Layout
Existing Services & Proposed Bulk Services

DESIGN MANAGER / BESTUURDER ONTWERP	SCALE / SKAAL	AMENDMENTS - WYSIGINGS	APPROVED / GOEDGEKUR	DATE / DATUM	DRAWING No. / TEKENING Nr.
		A Issued for Discussion B Sent Halting to Back of text. C Bulk Water Supply Line Added on Club Road		2012-08-26 2013-02-11	