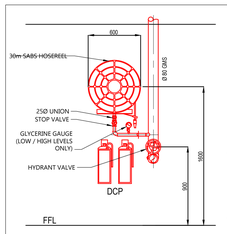


TYPICAL FHR & HYDRANT DETAIL
NOT TO SCALE

80Ø GMS TO HYDRANT
PIPE RUN UNDERGOUND BY CIVILS

100Ø GMS HYDRANT MAIN

25Ø GMS TO HOSEREEL

80Ø GMS TO HYDRANT
PIPE RUN OVERHEAD IN CANOPY
HYDRANT FIXED TO COLUMN

F.F.L = 44.100m

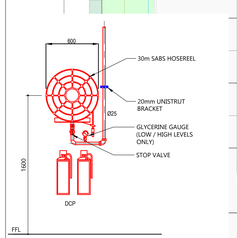
Factory
191 571 m²

HYDRANT SUPPLY PIPE INCOMER

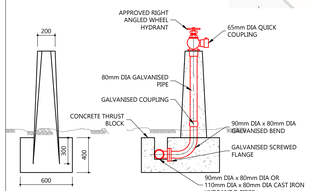
HYDRANT SUPPLY PIPE TO CIVILS DETAILS

TWIN BOOSTER

REFER TO DRAWING 3244-FP-07
FOR OFFICE FIRE EQUIPMENT
DETAILS

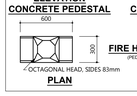


DETAIL 4 - FIRE HOSE REEL
NOT TO SCALE



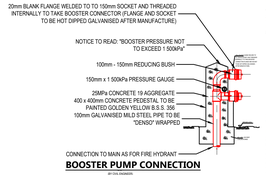
ELEVATION CONCRETE PEDESTAL

SIDE ELEVATION CONCRETE PEDESTAL

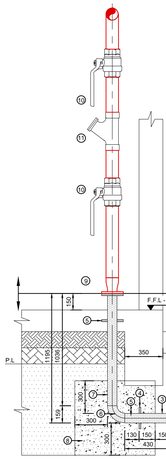


PLAN

FIRE HYDRANT WITH CONCRETE PEDESTAL
PEDESTAL TO BE PAINTED BRIGHT YELLOW ACCORDING TO B.S.S. 356
(BY CIVIL ENGINEER)



BOOSTER PUMP CONNECTION



DETAIL 1 - TYPICAL 100mm Ø HYDRANT RING MAIN BC1 INSTALLATION

Legend / Quantities

Item	Type	Unit	Facility
	FIRE HYDRANT	ea	18
	FIRE HOSE REEL (30m)	ea	33
	9KG DCP	ea	130
Pipe	100Ø GALV	m	550
Pipe	80Ø GALV	m	250
Pipe	25Ø GALV	m	435
Elbow	100Ø GALV		70
Elbow	80Ø GALV		12
Elbow	25Ø GALV		80
Tee	100Ø GALV		36
Tee	80Ø GALV		11
Tee	25Ø GALV		33
Reducer	100Ø×80		11
Reducer	100Ø×25		25
Reducer	22Ø×15		
Union	100Ø		92
Union	80Ø		42
Union	25Ø		105
Valve	100Ø		2
Valve	25Ø		33
Strainer	100Ø		1

LEGEND:

1. 110mm Ø CLASS 9 PVCu DOMESTIC WATER MAIN BSC
2. 110mm Ø PVC FLANGE ADAPTOR
3. 100 Ø x 430mm G.I DOMESTIC WATER EXTENTION PIECE ONE END PLAIN ONE END BUTTWELDED TO BEND
4. WRAPID BOND WRAPPING OF ALL UNDERGROUND STEEL PIPES & FITTING
5. 100mm Ø G.I PUDDLE FLANGE
6. 100mm Ø 90° G.I BUTTWELDED LONG RADIUS BEND
7. 100 Ø x 1036mm G.I EXTENTION PIECE ONE END PLAIN OTHER END BUTTWELDED TO BEND
8. CONCRETE ENCASEMENT 25/19MPa
9. TAPER IF REQUIRED
10. 100Ø BALL SHUTOFF VALVES
11. 100Ø STRAINER

NOTE: ALL FLANGES TO BE T10

PLUMBING CONTRACTORS RESPONSIBILITY
CIVIL CONTRACTORS RESPONSIBILITY

The design and content of this drawing is the property of BNM Architects and it's copyright thereof is reserved by them.

GENERAL NOTE

1. ALL STRUCTURAL, ELECTRICAL, CIVIL AND LANDSCAPING QUERIES ARE TO BE REFERRED TO THE RELEVANT CONSULTANTS DRAWINGS, SPECIFICATIONS AND DETAILS.
2. ALL PLUMBING QUERIES ARE TO BE REFERRED TO THE RELEVANT SPECIALIST CONSULTANTS DRAWINGS, SPECIFICATIONS AND DETAILS
3. ALL BRICKWORK / INTERNAL WALLS REQUIRING BRACING / STIFFENING ARE TO BE REFERRED TO PR. STRUCTURAL ENGINEER'S DRAWINGS, SPECIFICATIONS AND DETAILS
4. ALL FOUNDATIONS / RETAINING WALLS / EXCAVATIONS, TO BE REFERRED TO CONSULTANTS DRAWINGS, SPECIFICATIONS AND DETAILS.
5. ALL DESIGN AND CONSTRUCTION TO COMPLY WITH THE RELEVANT SANS 10400 CODES.
6. ANY DISCREPANCY IN THE DRAWINGS, DIMENSIONS & SPECIFICATIONS SHALL BE REPORTED TO THE ARCHITECT AND NOT ONSITE ARCHITECT PRIOR TO ANY WORK BEING PUT IN HAND.
7. ONLY FIGURED DIMENSIONS TO BE FOLLOWED - SCALED DIMENSIONS OF DRAWINGS WILL NOT BE PERMITTED

No	Date	Revision Description	By

PROJECT TEAM

Project Managers :
KCS Consultants
1 Malta Street, Glendinningvale, East London, 5241
Cell: 072 672 8726
Keith Simon
Tel: 043 726 0000
keithsim@kcs.co.za

Architects :
BNM Architects
Suite 1 Lyndon, 114 Park Drive, Vincent, East London
Cell: 083 2125
Ethne Bell-Hales
043 748 0990
ethneb@bnm.co.za

Quantity Surveyors :
Latitude Quantity Surveyors
122 Western Avenue
Vincent
East London
Reina Walker
082 929 0675
pwalker@latitudeqs.co.za

Civil Engineers :
Bvi Consulting Engineers
Unit 1, 1 Bonza Bay Road
Beacon Bay, East London
043 723 3739
Warren Barker
082 578 0414
Warrenb@bvi.co.za

Structural Engineers :
Zutari Consulting Engineers
1 Pearce Street, Berea
East London
043 726 9000
Kate Rockledge
078 2514867
eastlondon@zutari.com

Electrical & Mechanical Engineers :
Kzyaturumo Consulting Engineers
50 East Bank Road, Beacon Bay
East London
043 748 0000
Deon Potgieter
082 464 9730
deon@kzceng.co.za

CLIENT

east london idz
business streamlined

PO Box 5458, Greenfields
East London, 5208

Lower Chester Road
Sunnyridge, 5201
East London, South Africa

Tel: +27(0)437028200
Fax: +27(0)437958405
Email: info@eeldc.co.za

CLIENT APPROVAL :

DATE :

Gary Whittaker
Project Manager
Tel: 043 7025247
Cell: 082 3463299
E-mail: garyw@eeldc.co.za

TENANT

NAME :

DESIGNATION:

TENANT APPROVAL :

DATE :

Project
EB/NW1/10/24/Z1A

Drawing Title
Hydrant and FHRs to Sequencing Facility

Date	10/10/2024	Drawn	B.M.E.
Scale	1 : 200	Checked	D.P.

Approved

Name: -
Reg No: -
Signature:
Date:
Practice:

Workstage
For Tender Purposes

Drawing Number
3244-FP-04

Revision
0

23 May 2025 09:15:26