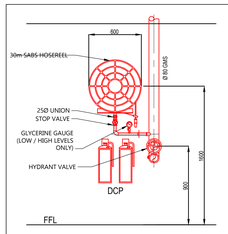


TYPICAL FHR & HYDRANT DETAIL
NOT TO SCALE

COVERED DOCKING

CONTAINER BAYS

RETURNABLES PACKAGE

AXLES

HIGH-BAY RACKING

FLOW BIN RACKING

FABKOMP LOCAL

CASES

WIP AREA

SMALL PART UNPACKING

FABKOMP 10x8

NISSI 10X20

(PHASE 1)
SEQUENCING
16 245 m²

FUEL TANK STORAGE

AXLE UNBOX

UNBOXING A

UNBOXING 12X6

UNBOXING 12X6

LINE PARTS TROLLEY MARSHAL

FRAME UNBOXING 8X16

CASE STORAGE

CABIN UNBOX

UNBOXING B

UNBOXING 10X20

UNBOXING 12X6

AGGREGATE WIP

DIRECT RUNNER WIP

COVERED SIDE LOADING

RECEIVE ADMIN
290 m² per floor

mini-sub

future Gen.

MAIN DB

ICV CHAMBER

parking

fire escape

PATH OF TRUCK

100Ø GMS HYDRANT MAIN

25Ø GMS TO HOSEREEL

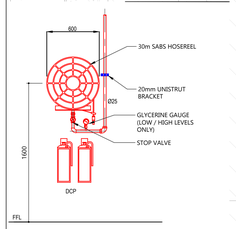
80Ø GMS TO HYDRANT

HYDRANT SUPPLY PIPE INCOMER

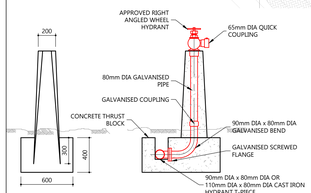
HYDRANT SUPPLY PIPE TO CIVILS DETAILS

TWIN BOOSTER

VALVE CHAMBER

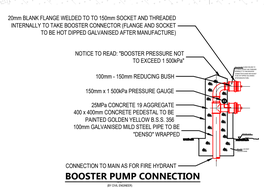


DETAIL 4 - FIRE HOSE REEL
NOT TO SCALE



ELEVATION CONCRETE PEDESTAL

SIDE ELEVATION CONCRETE PEDESTAL



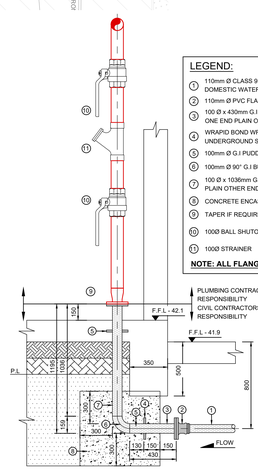
BOOSTER PUMP CONNECTION
(BY CIVIL ENGINEER)

PLAN

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

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



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

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

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GENERAL NOTE

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

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Project
OE/001/2022 DTSA

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	Revision
3244-FP-04	0

Thursday, 31 October 2024 09:25:03