Scale Bar

10.0m

TYPICAL 2x Ø100 DUCTS FOR FUTURE—

DISTRICT HEATING

MCWS PIPE BY SOUTH-WEST-

GAS SUPPLY BY WALES & WEST WITH-

VALVED CONNECTIONS FOR FUTURE CONNECTION.

15.0m

20.0m 25.0m

- Ø28 PE PIPE TO BE CONNECTED BY

TENANT. TENANT TO ARRANGE FOR

CONNECTED TO EXTERNAL MAIN.

45

TENANTS TO ARRANGE FOR

INSTALLATION OF GAS METER &

CONNECTION TO BUILDING (TYPICAL)

INSTALLATION OF WATER METER. PIPE NOT

This Drawing is protected by Copyright. It may not be reproduced in any form or by any means Dimensions to be checked on Site and verified prior to commencing Works / Manufacture. Any discrepancies to be reported to Services DesignSolution Limited. These Drawings reflect the layouts for the purposes of design only. The Contractor shall be responsible for producing their own Working and Co-ordination drawings prior to commencing their installations. If these drawings are used for Construction purposes it is done so at the Contractor's Risk.

<u>Legend:</u>

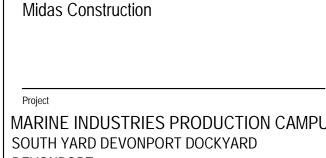
——— GAS MAINS SUPPLY --- MCWS --- MAINS COLD WATER SUPPLY EMPTY DUCT GAS METER

METERED WATER SUPPLY

- 1. This drawing is provided for information purposes and shall not be used to undertake any construction or demolition
- 2. Should any excavation works become necessary the accuracy of the information represented on this drawing should be verified in accordance with HS(G)47.
- 3. Features shown on this drawing are illustrated by an individual service line. This does not necessarily represent numbers of
- cables, pipes or utility services. 4. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of electrical cables, gas mains, water pipes, drainage and other services on site before any mechanical plant is used. It is the contractors responsibility to ensure that this information is provided to the any operative penetrating the ground.
- All cable ducts shall be provided with draw ropes and entries shall be provided with proprietary sleeved protection plugs as manufactured by Doyma in order to provide a rodent, fire, gas and watertight seal, provided at a suitable length to suit the wall thickness, complete with protective film and sleeve protection plug to ensure that inner surfaces are kept clean during ongoing construction works.
- Further investigation of underground services required to verify type/condition of each service. Pending the outcome of the investigation the services will need to be removed/diverted where the services conflict with the proposed development.

P	3 CLIENT COMMENTS ADDRESSED	ML-0 _/ TL	31/08/16
Р	2 PRELIMINARY ISSUE	DB / TL	11/08/16
P	1 PRELIMINARY ISSUE	SG / MP	21.06.16
R	ev Details	Drn / Chkd	Date





MARINE INDUSTRIES PRODUCTION CAMPUS DEVONPORT PLYMOUTH DEVON

Drawing Title **Incoming Mechanical Services** Site Plan

Scale at 1: 250 @ A1

External Services

Discipline Mechanical Services

2086-SDS-00-EX-DR-M-7025-5500 P3

Job No Preliminary 2086

DUCTS TO BE CAPPED TO PREVENT BLOCKAGES. INSTALLED BY-WALES & WEST -<u>installed by</u> SOUTHWEST WATER -63MM BARRIER PIPE & WOH -63MM BARRIER PIPE & 63MM BARRIER PIPE &-PROVIDED BY LOT 2 INSTALLED BY -SOUTHWEST WATER WOH PROVIDED BY LOT 2 WOH PROVIDED BY LOT 2 -<u>INSTALLED BY</u> CONTRACTOR. CONTRACTOR CONTRACTOR SOUTHWEST WATER -90MM GAS MAIN INSTALLED IN SEPARATE CONTRACT. (LOT 2) = GAS - GGas Supplier * Pipework up to 50mm diameter to be laid with 375mm minimum cover. Pipework above 50mm diameter to be laid 600mm below footpath. Pipework above 50mm diameter to be laid 750mm below roadway or Emergency Control Valve -*Thermal insulation required if this distance is Gas regulator -SEMI RECESSED METER BOX DIMENSIONS: less than 750mm or duct rises through Mains control -HEIGHT: 415mm inc. 150mm RECESSED suspended floor void grass verge. Entry to be above — Contractor (VISIBLE HEIGHT WHEN FIXED IN PLACE, damp proof course 265mm) WIDTH: 420mm Gas Supplier Ground le CABLE DEPTH: 360mm TELECOMS Solid internal — Dimension of uppermost floor duct when multiple ducts are installed. — Concrete base by Continuous duct -Main Contractor forming long radius SEMI RECESSED METER BOX (SHOWN WITH LID CLOSED) — Water pipe Thermal insulation* Welded steel wrapped RESESSED PORTION OF BOX contra-wise in two - Pipe in duct when layers of Denso tape GROUND LEVEL -Steel pipe within sealed sleeve, passing over ensuring 50% overlap foundations and sealed with mastic up to elbow SEMI-RECESSED FLOOR MOUNTED GAS METER through building walls ENCLOSURE SCALE = NTS <u>Detail 'B' — Entry of gas into building serving typical gas</u> <u>meter detail (Scale = NTS)</u> <u>Detail 'A' — Recommended arrangement & relative positions of utility services</u> <u>Detail 'C' - Entry of water duct into building (Scale = NTS)</u> (INDUSTRIAL UNIT) (Min. clearances - Scale = NTS)(OFFICE)

-GAS METER TO SERVE END UNIT INSTALLED BY GAS SUPPLIER.

-MCWS PIPE BY SOUTH-WEST

TENANTS TO ARRANGE FOR

INSTALLATION OF GAS METER & CONNECTION TO BUILDING (TYPICAL)

-2 x Ø100 DUCTS FOR FUTURE DISTRICT HEATING (TYPICAL)

CONNECTION.

-GAS SUPPLY BY WALES & WEST WITH VALVED CONNECTIONS FOR FUTURE

GAS METER TO BE PROVIDED BY-

−ø63 PE COLD WATER

-2xø150 DUCTS FOR FUTURE DISTRICT HEATING

PIPEWORK. TO ACCEPT FUTURE 90mm OD DH PIPES. MIN 0.6m BENDING RADIUS REQUIRED.

SUPPLY.

GAS SUPPLIER.