150mm dia Foul Water Main

IL - 97.465

IL - 97.524

23385mm

19385mm

9693mm

2000mm

Stela Setting Out Point

Earthing Points for Stela:
E15 - Top Right hand corner of Dryer
E16 - Centre Top of Dryer
E17 - Top Left hand corner of Dryer
E18 - Bottom Left Hand corner of Dryer
E19 - LH Fan Bottom Left hand corner
E20 - Centre Bottom of Dryer
E21 - RH Fan Bottom Left hand corner
E22 - Bottom Right Hand corner of Dryer

Waste Water/Sewage from wet cleaning DN100 (Inlet Outlet) +1000mm above FFL 2.2m³ per 30mins once a week

Above ground DN 100mm waste pipe to Filter

Reinforced Concrete Plinths 850mm high to support Stela Dryer - See Structural Engineers Details

100mm high Dwarf Wall below Stellaps Band and extend upwards to form wall

Rainwater Downpipe 150 DN150 Gulley outlet DN100

Duct 1.0m 1No 150mm x 450mm height

IL - 97.732

Above Ground DN80 (3") feed from CIP 070 to CIP 072

DN80 (3") Connection to CIP 072 Fire Extinguishing device - out to dryer (By Customer)

Wall Mounted DN80 (3") water feed To CIP 070 Double Check Valve Unit (Fire Extinguishing valve) (By Customer)

1No DN100 Water Supply Duct 1.0m x 450mm height Mains Water feed 1Bar, DN40? 2.20m3 every 30mins once a week

CIP 041 Condensate drain from 6in DN100

Condensate Drain "T" into Wash Water Drain

CIP 041 Condensate drain from 6in DN100

Duct 1.0m 1No 150mm x 450mm height

Gully

New 100mm dia pipe to connect up to existing rainwater system

Earthing Rod

Main Road

Footpath

Tarmac strip

Grass Verge

RMU & METERING SUBSTATION

Existing fence

4250mm - Mains Water Stopcap

3920mm - edge grass Verge

5540mm - 50mm Concrete kerb edging

7445mm - Road Kerb

Existing fence

Gas Main

Telephone

Water Main

Mains Electrics

BT

Mains Electrics Water Main

NOTE\All services to be on above ground cable trunking

BEWARE SERVICES!!!

BEWARE SERVICES!!! AND DIG TO ESTABLISH EXACT LOCATION

Depth 1.75

Undergroud DN80 (3") water feed To CIP 070 Connection to Valve Unit (Fire Extinguishing valve) (By Customer) in 150mm duct

Double Check Valve Unit (Fire Extinguishing valve) (By Customer)

Filter

Duct

1850mm

1318mm

3180mm

2000mm

465mm

4000mm

3500mm

3920mm

99.790m

5237.955mm

7100mm

6100mm

3050mm

1485mm

3750mm

2165mm

2300mm

500mm

2000mm

Cap - 12500mm

AIRCOOLERS over

Underground Oil Tank With Air-Cooler above & Oil Header tank Over

Cap - 4200mm

Y = 17200mm - Centre RH Tank in Pit 4

Y = 15187mm - Centre RH Aircooler

PIT 4

See Engineers Drawings C35c/080_b/050/s62 and Concrete Slab Cap

PLINTH 7 (4 NO COLUMNS @ +1800MM) see Engineers Drawings

SITE 2 - TIR LLWYD

150mm dia Foul Water Main

Invert Level IL - 98.010m

Depth -1.860m

2800 litre Water Tank

Transformer

Relative Position of existing 225mm dia Plastic rainwater drainage

Gas Main

Water Main

Mains Electrics

Telephone

BT

Clear Ceiling Height 4.19m

FFL - 100.00m

Power Centre

ORC ROOM

PIT 3

Stela Cabinets ???

Oil Trench -0.70

Oil Trench -0.70

CHIP

CHIP

DRIED CHIP

CHP ROOM

Fire Wall

Not owned by Newbridge Energy

Key to Duct Services

E	Earthing Point
IE	Independent Earthing Point Reference
100	100mm dia Duct outlet (with Reference No)
160	160mm dia Duct outlet (with Reference No)
FG	400 x 400mm D400 Cast Cover - Electric trap
600 x 600	600 x 600mm D400 Cast Cover - Electric trap
900 x 900	900 x 900mm D400 Cast Cover - Electric trap
SV	Service Duct Terminal Reference
	Water Supply check route for 19 No new power and wires entered under ground
	Antifire Water Supply (check flow rates and pressure inside the P&I)
W	Water Supply Reference
WW	Waste Water (and Reference)
ES	Electrical Supply (and Reference) electrical wires, cables etc

PLINTH 6

6No 305 x 305mm @ 97kg UC Columns x 2485mm On top of 8635 x 500 x 1700mm high wall

Extend of Jones Brothers Pile

PIT 1

HEAT EXCHANGER

COMBUSTION CHAMBER Loadbearing floor

ES3 - TOP PLATES TO COLUMNS 350 x 350MM

ES4 - COMBUSTION CHAMBER BASE FRAME FIRST LORRY

ES2 - PUSH FLOOR FRAME FIRST LORRY

CONCRETE RAMP

PLINTH 2

PLINTH 1

PLINTH 3

PISTONS ROOM

ES1 - PISTON PLINTH FIRST LORRY

Possible 100mm dia Plastic Pipe branch run

Soil Pipe Stub

PISTON ROOM

Staffroom

Existing Staff Facilities

Soil Pipe

Possible 100mm dia Plastic Pipe branch run

Inert Depth -1.050m

CONTROL PANEL

Base Line

Base Line

Existing 150mm thick blockwork wall fairfaced to shed, Dot & Dabbed internally

CONTROL ROOM

OFFICE 1

STORE

LOCKERS

PROPOSED OFFICE SUBDIVISION

EXISTING STAFF FACILITIES

42185mm

6890mm

40634mm Face to Face steel

42185mm Face to Face Rails

6236mm

6218mm

6238mm

6226mm

6231mm

6229mm

62437mm

GROUND FLOOR PLAN

SITE 2 - TIR LLWYD - NEWBRIDGE ENERGY

NB2

R. Arwel Davies & Co
Chartered Building Surveyors
Llwyn Derw, Prion, Denbigh, Denbighshire Tel 01745 890 635

Property: Unit B & C, Tir Llwyd Enterprise Park, Kinmel Bay, Nr Rhyl, Sir Conwy, LL18 5JZ

Clients: Newbridge Energy Ltd

Project Title: Proposed Combined Heat & Power Unit

Drawing Title: General Arrangement Drawing

Drawing No: 2016/10/WD1/i

Sheet No:

Revisions: Rev 1 - 14th Dec 2016 - Substation & Oil Tanks changed

Scale: 1/120

Date: July 2016

Drawn on A1 sheet by: R. Arwel Davies