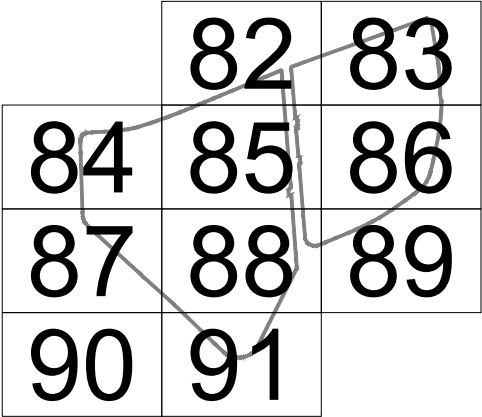
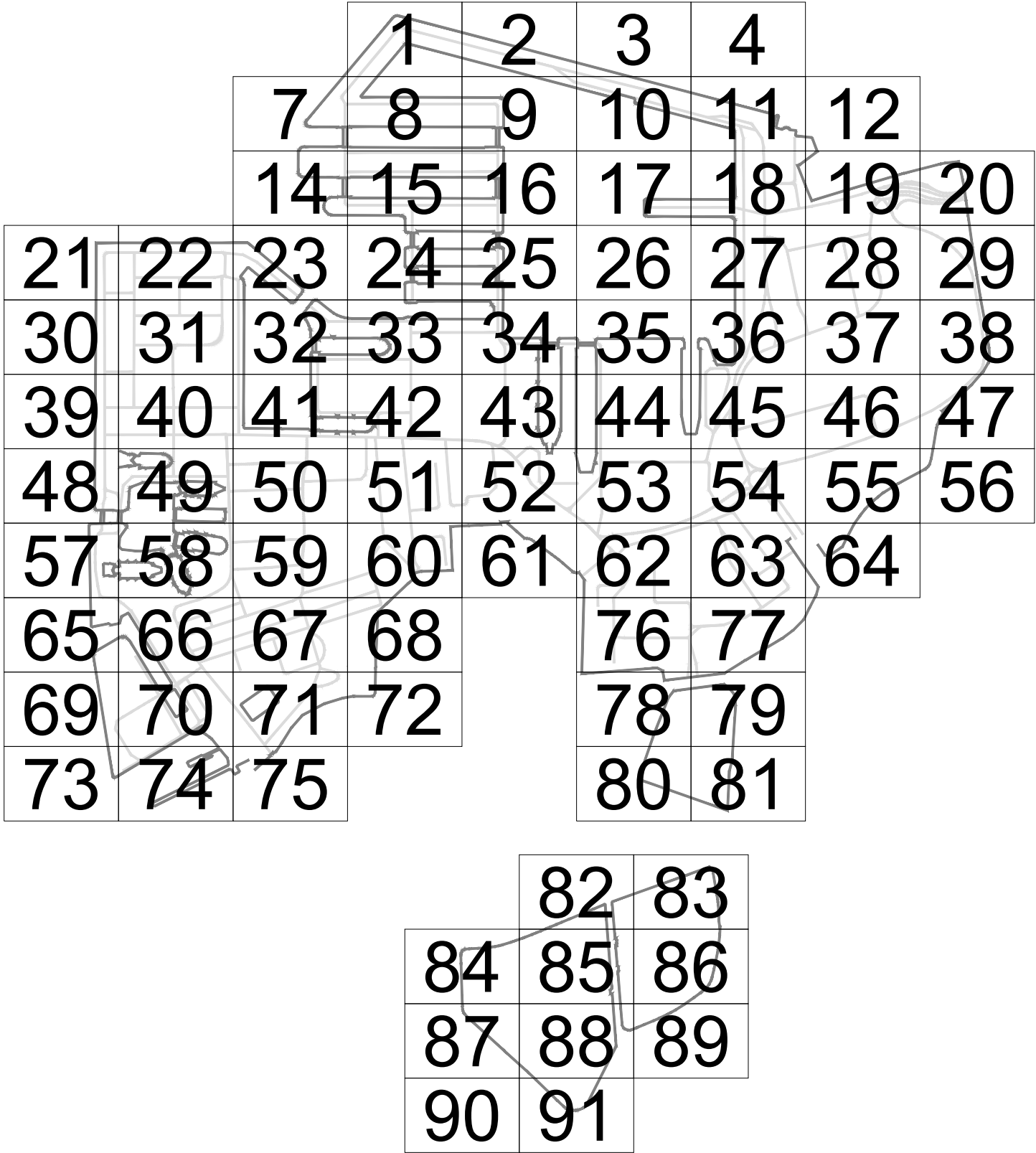


Guide to Depth Determination and Quality Levels				
Depths derived from Electro Magnetic Location (EML) methods are measured to centre of pipe/cable. Depths from GPR and trial holes are measured to top of pipe/cable. Depths derived from GPR are measured to top of feature; this may be affected by materials above the actual utility feature e.g. protective tiling, sand backfill etc				
Survey Type	Quality Level	Source	Linetype and label with depth annotation	Notes
D	QL-D	Desktop utility records search	— QL-D —	Assumed Route
C	QL-C	Site reconnaissance	— QL-C —	A segment of utility whose location is demonstrated by visual reference to street furniture, topographical features or evidence of previous street works (reinstatement scar).
B	QL-B4	Site Survey	— X B4 —	A utility segment which is suspected to exist but has not been detected and is therefore shown as an assumed route.
B	QL-B3	Site EML Survey Post processed geophysical data	— X B3 —	Horizontal location only of the utility detected by one of the geophysical techniques used. (No reliable depth measurement possible)
B	QL-B3P	Post processed geophysical data	— X B3P —	Horizontal location only of the utility detected by one of the geophysical techniques used. (No reliable depth measurement possible)
B	QL-B2	Site EML survey	— X 0.5-B2 —	Horizontal and vertical location of the utility detected by one of the geophysical techniques used GOOD ACCURACY
B	QL-B2P	Post processed geophysical data	— X 0.5G-B2P —	Horizontal and vertical location of the utility detected by one or more geophysical techniques GOOD ACCURACY
B	QL-B1	Site EML Survey	— X 0.5-B1 —	Horizontal and vertical location of the utility detected by multiple geophysical techniques used VERY GOOD ACCURACY
B	QL-B1P	Post processed geophysical data	— X 0.5G-B1P —	Horizontal and vertical location of the utility detected by multiple geophysical techniques used VERY GOOD ACCURACY
A	QL-A	Verification	— X A —	Trial Hole or Vacuum excavation visible at surface

— 230V — — 230V — — 230V — — 230V — — 230V — — 230V —	Electric (HV)	— GAS — — GAS — — GAS — — GAS — — GAS — — GAS —	Gas in use
— 0.5 — — 0.5 — — 0.5 — — 0.5 — — 0.5 — — 0.5 —	Electric (LV)	— GAS-U — — GAS-U — — GAS-U — — GAS-U — — GAS-U — — GAS-U —	Gas in use (unconfirmed route)
— EL — — EL — — EL — — EL — — EL — — EL —	Electric (Street Lighting)	— GAS-D — — GAS-D — — GAS-D — — GAS-D — — GAS-D — — GAS-D —	Gas disused
— T — — T — — T — — T — — T — — T —	Telephone	— GAS-DU — — GAS-DU — — GAS-DU — — GAS-DU — — GAS-DU — — GAS-DU —	Gas disused (unconfirmed route)
— WU — — WU — — WU — — WU — — WU — — WU —	Water	— GAS-R — — GAS-R — — GAS-R — — GAS-R — — GAS-R — — GAS-R —	Gas redundant
— CW — — CW — — CW — — CW — — CW — — CW —	Water - Chilled	— GAS-RU — — GAS-RU — — GAS-RU — — GAS-RU — — GAS-RU — — GAS-RU —	Gas redundant (unconfirmed route)
— DW — — DW — — DW — — DW — — DW — — DW —	Water - Distilled	— CA — — CA — — CA — — CA — — CA — — CA —	Compressed Air
— C — — C — — C — — C — — C — — C —	Heating (Condensate)	— PN — — PN — — PN — — PN — — PN — — PN —	Pneumatic
— S — — S — — S — — S — — S — — S —	Heating (Steam)	— SW — — SW — — SW — — SW — — SW — — SW —	Salt Water
— F — — F — — F — — F — — F — — F —	Drainage (Foul)	— FM — — FM — — FM — — FM — — FM — — FM —	Fire Main
— F — — F — — F — — F — — F — — F —	Drainage (Storm)	— FUEL — — FUEL — — FUEL — — FUEL — — FUEL — — FUEL —	Fuel
		— PROP — — PROP — — PROP — — PROP — — PROP — — PROP —	Propane
		— OX — — OX — — OX — — OX — — OX — — OX —	Oxygen
		— CA — — CA — — CA — — CA — — CA — — CA —	Weld Gas (Oxyacetylene)

(A)	ASSUMED	Dam	DAMSON TREE	Lab	LABURNUM TREE	ScV	SCUTTLE VALVE
+3.255	SPOT LEVELS	DP&G	DOWN PIPE & GULLEY	LAD	LADDER	SE	STOPPED END
A/C	AIR CONDITION UNIT	E	EARTHING POINT	LB	LIFE BELT	SEP	SHIPS ELECTRICAL POINT
Acac	ACACIA TREE	ECP	ELECTRICAL CABLE PIT	LK	LOCAL KNOWLEDGE	Spr	SPRUCE TREE
Ald	ALDER TREE	ECP	ELECTRICAL ENTRY POINT	Loc	LOCUST TREE	ST	STANCION
AP	ANCHOR POINT	EJB	ELECTRICAL JUNCTION BOX	Lon	LONDON PLANE TREE	St	STUMP
App	APPLE TREE	EOT	END OF TRACE	LP	LAMP POST	STN	SURVEY STATION
B	BOLLARD	ESG	ELECTRICAL SWITCH GEAR	LV	LOW VOLTAGE	STN 21	SURVEY STATIONS
Bar	BARRIER	Euc	EUCALYPTUS TREE	Map	MAPLE TREE	STP	SHIPS TELEPHONE POINT
BBn	BELISHA BEACON	FB	FLOWER BED	Mash	MOUNTAIN ASH TREE	Stp	STEP
BBQ	BARBEQUE	FE	FIRE FIGHTING EQUIPMENT	MDPE	medium density polyethylene	SuV	SUCTION VALVE
Bch	BEECH TREE	FH	FIRE HYDRANT	MH	MANHOLE	SV	SLUICE VALVE
BG	BOX GULLEY	FHM	FIRE HYDRANT MARKER	Mkr	MARKER	SW	SALT WATER
BM	BENCH MARK	FIG	FOUND IN GROUND	MON	MONUMENT	SWV	SALT WATER VALVE
Buf	BUFFER	Fld	FAIRLEAD	MP&CH	METAL POST & CHAIN	Syc	SYCAMORE TREE
C	CONDENSATE	Flt	FLOODLIGHT	MP&CL	METAL POST & CHAINLINK	T	TELEPHONE
CA	COMPRESSED AIR	FP	FLAG POLE	MP&WM	METAL POST & WIRE MESH	TCB	TELEPHONE CALL BOX
CAP	CAPSTAN	FV	FLOOD VALVE	NB	NOTICE BOARD	Tel	TELEPHONE
CAV	COMPRESSED AIR POINT	FWH	FRESH WATER HYDRANT	NFI	NO FURTHER INFORMATION	TEP	TELEPHONE ENTRY POINT
CB	CONCRETE BASE	FWV	FRESH WATER VALVE	OA	OXYACETYLENE	TIC	TELEPHONE INSPECTION COVER
CBch	COPPER BEECH TREE	g	GIRTH (TREE)	OAP	OXYACETYLENE POINT	Tlt	TRAFFIC LIGHT
CCTV	CLOSED CIRCUIT TELEVISION	G	GULLEY	P	POST	TV	TELEVISION
CD	CABLE DUCT	Gap	GATE POST	PN	PNEUMATIC	U/C	UNDER CONSTRUCTION
Ced	CEDAR TREE	GC	GAS COCK	Pop	POPLAR TREE	UTS	UNABLE TO SURVEY
CH	CENTRAL HEATING	GEO	GEOGRAPHICAL MARKER	PRV	PRESSURE REDUCING VALVE	U/G	UNDER GROUND
Chr	CHRRRY TREE	GH	GREENHOUSE	PV	PRESSURE VALVE	UTL	UNABLE TO LOCATE
CL	COVER LEVEL	GS	Gas Cock	RE	RODDING EYE	UTR	UNABLE TO RAISE
CM	CABLE MARKER	GM	Gas Meter	RG	ROAD GULLEY	UTT	UNABLE TO TRACE
CMT	CABLE MARKER (TELEPHONE)	GV	GAS VALVE	RS	ROAD SIGN	V	VENT
COB	COBBLES	h	HEIGHT (TREE)	RWC	RAIN WATER CHANNEL	VP	VENT PIPE
COL	COLUMN	Haw	HAWTHORN TREE	RWP	RAIN WATER PIPE	VSP	VENTING SEWER PIPE
Con	CONIFER TREE	HChe	HORSE CHESTNUT TREE	S	STEAM	Whit	WHITBEAM TREE
CONC	CONCRETE	HD	HEATING DUCT	S&VP	SOIL & VENT PIPE	Will	WILLOW TREE
CONT	CONTAINER	HV	HIGH VOLTAGE	Sap	SAPLING	O/H	OVERHEAD
CP	Cathode Protection	Hyd	HYDRANT	SB	SIGN BOARD		
CPS	CONCRETE PAVING SLAB	IC	INSPECTION COVER	SBir	SILVER BIRCH		
CR	CABLE RISER	IL	INVERT LEVEL	SBM	SITE BENCH MARK		
Cyp	CYPRESS TREE	KO	KERB OUTLET	SC	STOP COCK		
D	DUCT	L	LIGHT	SChe	SWEET CHESTNUT		

****Click on any grid number to open relevant drawing****



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Horizontal Datum: Ordnance Survey National Grid (OSGB36)
Vertical Datum: Ordnance Datum Newlyn (ODN) Units: Metres

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Notes:

Notes. For Revision detail please see
PNB-00-DWB-ZZ-MODL-000_RevisionControl.pdf

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J	All changes listed in PNB-00-DWB-ZZ-MODL-000	DP	01/10/2019
H	All changes listed in PNB-00-DWB-ZZ-MODL-000	DP	04/09/2019
G	All changes listed in PNB-00-DWB-ZZ-MODL-000	DP	06/03/2019
F	All changes listed to this date	DP	07/12/2018
E	All changes listed to this date	GAH	01/09/2017
REV	DESCRIPTION:	BY:	DATE:
CONFIGURATION STATUS: UNCONTROLLED			

BAE SYSTEMS

BAE Systems Warship Support
HM Naval Base Building 1-100 PP 72
Portsmouth PO1 3LS

SECURITY CLASSIFICATION:

OFFICIAL

TITLE:
HM Naval Base Portsmouth
Digital Whole Base Model
Underground Services
Layout Drawings Sheet List & Key

SCALE AT A1: NTS	DATE: 25.11.16	DRAWN: GAH	CHECKED: -
PROJECT/CASE NO: -			
DRAWING NO: PNB-00-DWB-ZZ-MODL-000			
REVISION: J	SHEET OF SHEETS 00 Sht List & Key		

