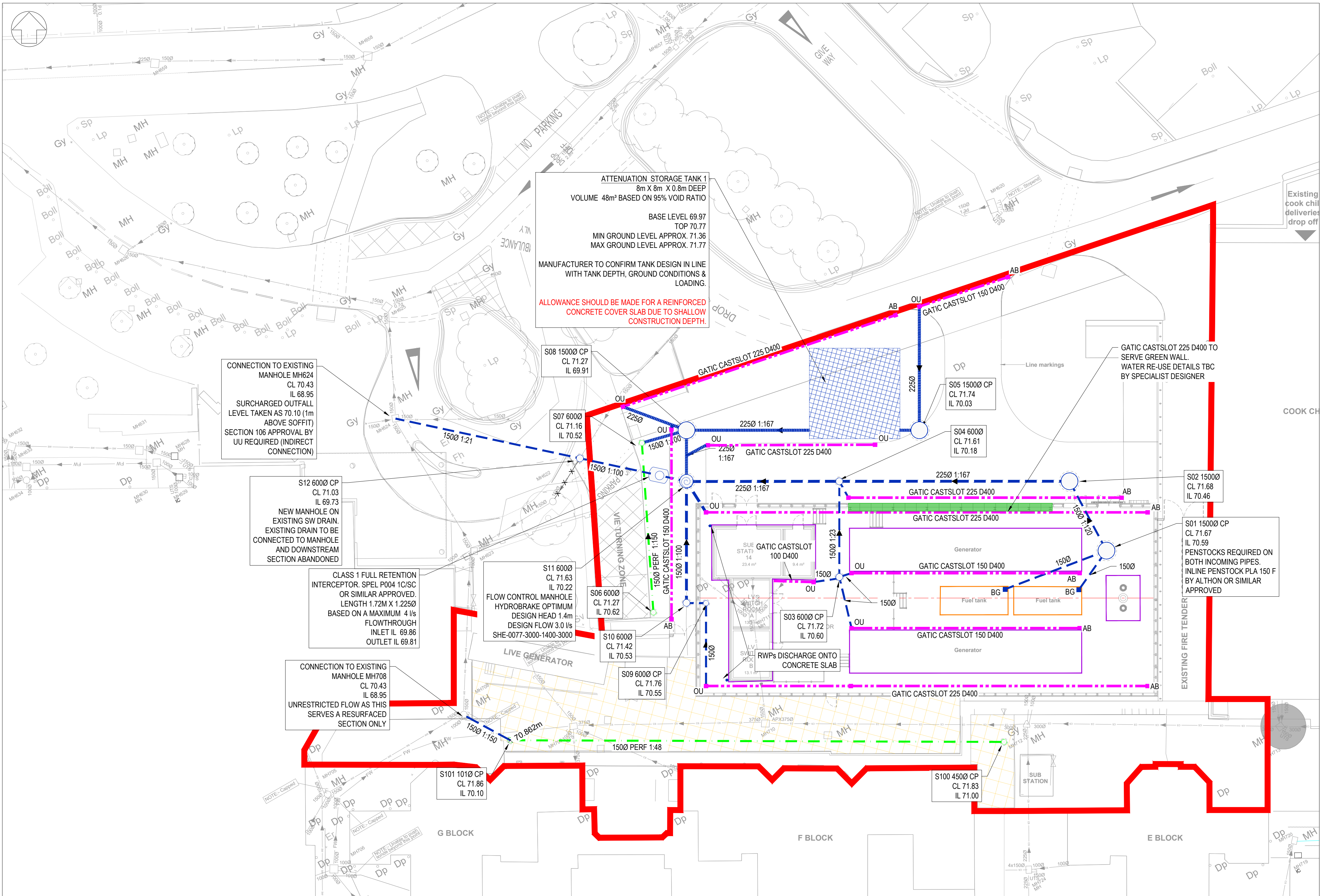




- KEY**
- EXISTING SURFACE WATER DRAINAGE
 - EXISTING COMBINED DRAINAGE
 - PROPOSED SURFACE WATER DRAINAGE
 - PROPOSED FLOW CONTROL MANHOLE
 - PROPOSED PERFORATED PIPE IN FILTER DRAIN
 - PROPOSED LINEAR DRAINAGE CASTLSLOT TREADSAFE D400 OSA - SIZE AS SHOWN
 - OU LINEAR DRAINAGE OUTLET BOX
 - AB LINEAR DRAINAGE ACCESS BOX
 - BG PROPOSED GULLY IN BUNDED AREA
 - RWP RAINWATER PIPE - DISCHARGES TO CONCRETE SLAB
 - PROPOSED CELLULAR STORAGE
 - PROPOSED PERMEABLE PAVING EXTENTS
 - EXISTING DRAINAGE TO BE ABANDONED
 - PROPOSED GREEN WALL
 - EXTENT OF BUNDED FUEL TANK AREA
 - EXTENT OF RAISED PLINTHS/ BUILDINGS ON SLAB

DESIGN PHILOSOPHY

SURFACE WATER DESIGN.

THE DESIGN PROVIDES CAPACITY UP TO THE 100 YEAR+ 40% CLIMATE CHANGE EVENT.

SW FLOW RATE:
3l/s (BASED ON MINIMUM ORIFICE SIZE ON FLOW CONTROL)
APPROXIMATE STORAGE REQUIREMENT: 48m³ WITHIN CELLULAR ATTENUATION TANKS. ADDITIONAL ATTENUATION PROVIDED WITHIN FILTER DRAINS

OUTFALL:
DRAINAGE TO BE CONNECTED TO EXISTING MANHOLE REF MH624. A SURCHARGED OUTFALL LEVEL OF 70.10 HAS BEEN USED IN THE DRAINAGE MODEL. (1m ABOVE SOFFIT LEVEL).

LEVELS INDICATE THAT PUMPING MAY(WILL NOT) BE REQUIRED.

DRAWING IS BASED ON:

TOPO SURVEYS

- 17J148 3D BY SURVEY OPS DATED JAN 2018
- FP6013-T-01 BY POWERS DATED MARCH 2023
- LS5570-T-3D BY LAYER SURVEYS DATED SEP 2024

ARCHITECT'S PLANS (SHEPPARD ROBSON)
23135-SRA-NM172-00-DR-A-00100 LATEST VERSION
SERVICES PLANS (ARUP)

- 23135-ARP-ZZ-XX-DR-E-01002 REV P01

GENERAL NOTES:

- GENERAL NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
 - DESIGN BASED ON TOPOGRAPHICAL SURVEY AND CCTV SURVEY INFORMATION AVAILABLE AT THE TIME OF DESIGN.
 - ALL EXISTING SEWERS, CONNECTIONS, PIPE SIZES AND INVERT LEVELS TO BE CONFIRMED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS TO ENSURE CONNECTIVITY. ANY VARIANCE FROM THE INFORMATION SHOWN SHOULD BE REPORTED TO THE ENGINEER FOR REVIEW.
 - DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
 - ALL DIMENSIONS ARE IN METRES AND LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
 - WHERE EXISTING DRAINAGE IS BEING USED, ALLOWANCES SHOULD BE MADE TO REMEDIATE THIS DRAINAGE IN LINE WITH AVAILABLE CCTV SURVEY INFORMATION. IF NO SURVEY IS AVAILABLE, IT IS ADVISED TO OBTAIN ONE PRIOR TO COMMENCEMENT OF WORKS.
 - ALL EXISTING SERVICES TO BE LOCATED PRIOR TO COMMENCEMENT OF ANY DRAINAGE WORKS, AND WHERE NECESSARY PROTECTION OR DIVERSIONS TO BE UNDERTAKEN TO AVOID CONFLICT WITH THE PROPOSED WORK.
 - ALL RAINWATER LOCATIONS AND SIZES INDICATIVE ONLY AND TO BE CONFIRMED BY THE ARCHITECT AND M&E ENGINEER.
 - COVER LEVELS, GULLY POSITIONS, AND BUILDINGS LOCATION ARE APPROXIMATE AND SHALL BE CONFIRMED BY ARCHITECT/ LANDSCAPE ARCHITECT.
 - ALL PIPE DIAMETERS GIVEN ARE NOMINAL INTERNAL PIPE DIAMETERS. THESE ARE TO BE CONFIRMED ONCE A DETAILED CAPACITY CHECK HAS BEEN UNDERTAKEN AT A LATER DESIGN STAGE.
 - OUTFALL CONNECTION(S) SUBJECT TO AGREEMENT WITH THE APPROVING AUTHORITY.

Manhole schedule- SURFACE WATER												
MH REF	CL (mAOD)	IL (mAOD)	DEPTH TO SOFFIT (m)	DS PIPE DIA (mm)	MH DIA (mm)	MH TYPE	COVER SIZE (mm)	COVER CLASS	COVER TYPE	RESTRICTED ACCESS	BACK DROP	COMMENTS
S01	71.67	70.59	0.93	150	1500	TYPE C CATCHPIT	1200 X 675 300 X 300 (X2) FOR PENSTOCKS	D400	SINGLE SEALED	N	N/A	PENSTOCKS REQUIRED ON INCOMING PIPES 300mm MIN SUMP
S02	71.68	70.46	1.00	225	1500	TYPE C	1200 X 675	D400	SINGLE SEALED	N	N/A	N/A
S03	71.72	70.60	0.97	150	600	PPIC CATCHPIT	600 X 600	D400	SINGLE SEALED	N	N/A	300mm MIN SUMP
S04	71.61	70.18	1.20	225	600	PPIC	600 X 600	D400	SINGLE SEALED	N	N/A	
S05	71.74	70.03	1.49	225	1500	TYPE C CATCHPIT	1200 X 675	D400	SINGLE SEALED	N	N/A	300mm MIN SUMP
S06	71.27	70.62	0.50	150	600	TYPE C	600 X 600	D400	SINGLE SEALED	N	N/A	
S07	71.16	70.52	0.49	150	600	PPIC	600 X 600	D400	SINGLE SEALED	N	N/A	
S08	71.27	69.91	1.14	225	1500	PPIC CATCHPIT	600 X 600	D400	SINGLE SEALED	N	N/A	300mm MIN SUMP
S09	71.76	70.55	1.06	150	600	PPIC CATCHPIT	600 X 600	D400	SINGLE SEALED	N	N/A	300mm MIN SUMP
S10	71.42	70.53	0.73	150	600	PPIC	600 X 600	D400	SINGLE SEALED	N	N/A	
S11	71.63	70.22	1.26	150	1500	FLOW CONTROL MANHOLE	1200 X 675	D400	SINGLE SEALED	N	N/A	FLOW CONTROL MANHOLE - SUMP DEPTH TBC BY MANUFACTURER
S12	71.03	69.73	1.15	150	600	PPIC CATCHIT	600 X 600	D400	SINGLE SEALED	N	N/A	
PERMEABLE PAVING												
S100	71.83	71.00	0.68	150	450	PPIC CATCHPIT	450 X 450	D400	SINGLE SEALED	N	N/A	300mm MIN SUMP
S101	70.86	70.10	0.61	150	450	PPIC CATCHPIT	450 X 450	D400	SINGLE SEALED	N	N/A	300mm MIN SUMP

STAGE 3

NMGH WP6

WP06
PROPOSED GENERATOR
SLAB DRAINAGE

Drawn By
ATL

Designed By
ATL

Checked By
ARR

Project No - Originator - Function - Spatial - Form - Discipline - Number

Revision

NMGH - CUR-WP6-XX - D - C - 92500

P01

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17m & 17m Projects 07/5001 - 0760007/5905 701 - NMGH Enabling Works 2023/24 - WPG Relocation of Site 1004 Production/HA Models Drawings/CA092A