

EXISTING 100mm DIA STORM DRAIN (DEPTH OF UPSTREAM MANHOLE UNKNOWN (WL 60.58m) AND DOWNSTREAM MANHOLE IL=60.43m DRAIN IS TO BE PROTECTED AT ALL TIMES.)

750mm WIDE MASS CONCRETE STRIP FOUNDATIONS UNDER LONG EDGES OF R.C. SLAB TO TAKE BEARING DEEPER SO AS NOT TO SURCHARGE EXISTING FOUL WATER DRAIN.

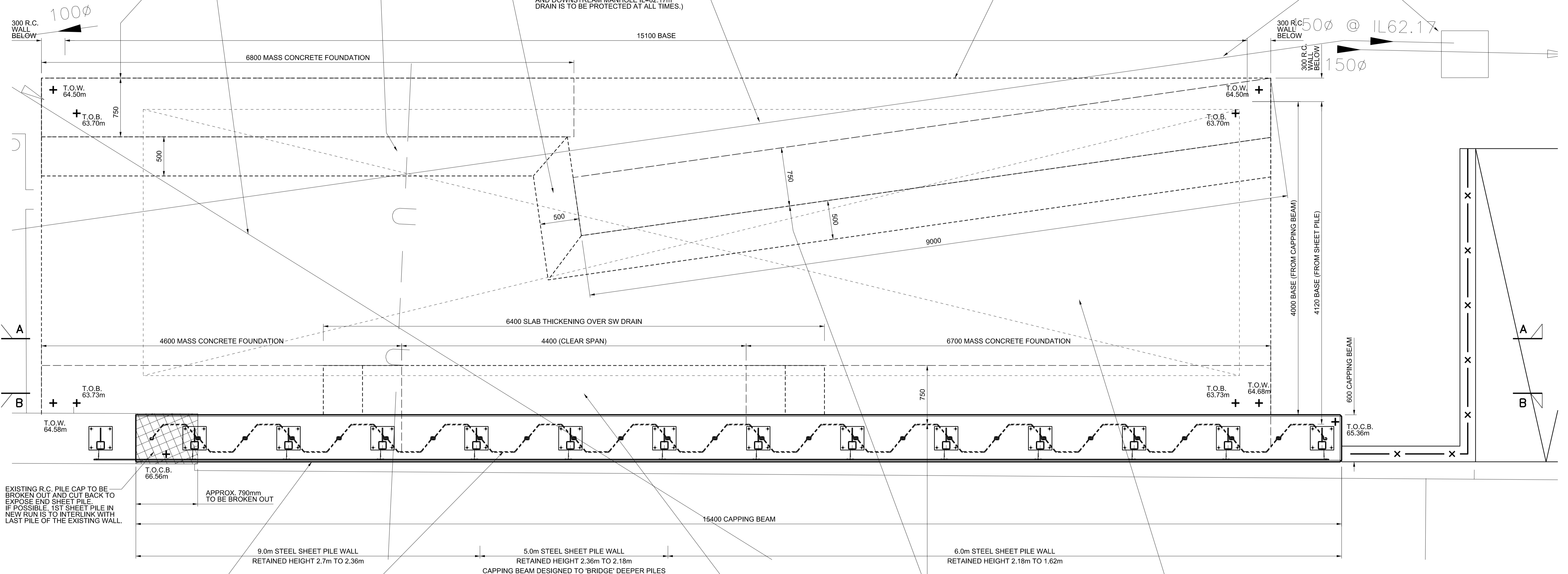
THE CONTRACTOR IS TO CAREFULLY EXCAVATE, HAND DIGGING WHERE NECESSARY TO EXPOSE AND IDENTIFY UN-IDENTIFIED BURIED SERVICE CROSSING THE PROPOSED WORKS. FINDINGS ARE TO BE REPORTED BACK TO THE DESIGN TEAM ASAP TO DETERMINE WHAT FUTURE COURSE OF ACTION IS REQUIRED.

500mm SLAB THICKENING TO EDGE OF SLAB OVER MASS CONCRETE STRIP FOUNDATIONS. (850mm O/A).

EXISTING 150mm DIA FOUL DRAIN (DEPTH OF UPSTREAM MANHOLE IL=62.68m AND DOWNSTREAM MANHOLE IL=62.17m DRAIN IS TO BE PROTECTED AT ALL TIMES.)

PROPOSED 300mm THK R.C. WALLS TO PERIMETER OF SLAB. HEIGHT VARIES.

EXISTING FOUL WATER MANHOLE TO REMAIN. MANHOLE & FOUL WATER DRAIN TO BE PROTECTED AT ALL TIMES DURING THE WORKS.



EXISTING R.C. PILE CAP TO BE BROKEN OUT AND CUT BACK TO EXPOSE END SHEET PILE. IF POSSIBLE, 1ST SHEET PILE IN NEW RUN IS TO INTERLINK WITH LAST PILE OF THE EXISTING WALL.

APPROX. 790mm TO BE BROKEN OUT

PROPOSED REINFORCED CONCRETE CAPPING BEAM ON TOP OF SHEET PILE WALL. 600mm WIDE x 500mm HIGH. 20mm x 20mm CHAMFER REQUIRED TO ALL EXPOSED EDGES OF REINFORCED CONCRETE. REFER TO ST** FOR DETAILS.

PROPOSED 6.5m/5.0m STEEL SHEET PILE WALL USING ARCELOR MITTAL PU12 PROFILE. HEIGHT VARIES TO SUIT CAR PARK / FOOTPATH LEVELS AND NEW GENERATOR BASE.

500mm SLAB THICKENING TO EDGE OF SLAB BETWEEN MASS CONCRETE STRIP FOUNDATIONS. (850mm O/A).

750mm WIDE MASS CONCRETE STRIP FOUNDATIONS UNDER LONG EDGES OF R.C. SLAB TO TAKE BEARING DEEPER SO AS NOT TO SURCHARGE EXISTING FOUL WATER DRAIN.

PROPOSED 350mm THK (MIN) R.C. SLAB WITH NOMINAL 1:150 CROSS-FALL ON BASE TO ELIMINATE PONDING. REFER TO ST*** FOR DETAILS OF REINFORCEMENT.

NOTE: TEMPORARY PROP TO SHEET PILES REQUIRED UNTIL BASE AND CAPPING BEAM ARE CAST. PROP TO BRACE BACK TO COLUMN FACES OF EXISTING BUILDING AND IS TO BE DESIGNED FOR ***kN/m.

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| P2 | 18/03/15 | REVISED FOR COMMENT. | MDG |
| P1 | 09/02/15 | PRELIMINARY ISSUE FOR COMMENT. | MDG |
| Rev | Date | Description | Initials |

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Client: **ROYAL FREE LONDON NHS FOUNDATION TRUST**

Project: **EMERGENCY GENERATOR (G4)**

PROPOSED BASE & PILE CAP LAYOUT

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|---------------------------------------|---------------------|
| Scale: 1:25 @ A1 UOS | Date: JAN 2015 |
| Originated: MDG | Date: JAN 2015 |
| Checked: DW | Date: JAN 2015 |
| Drawing Number: 15-1011-ST-001 | |
| Revisions: P2 | Status: PRELIMINARY |