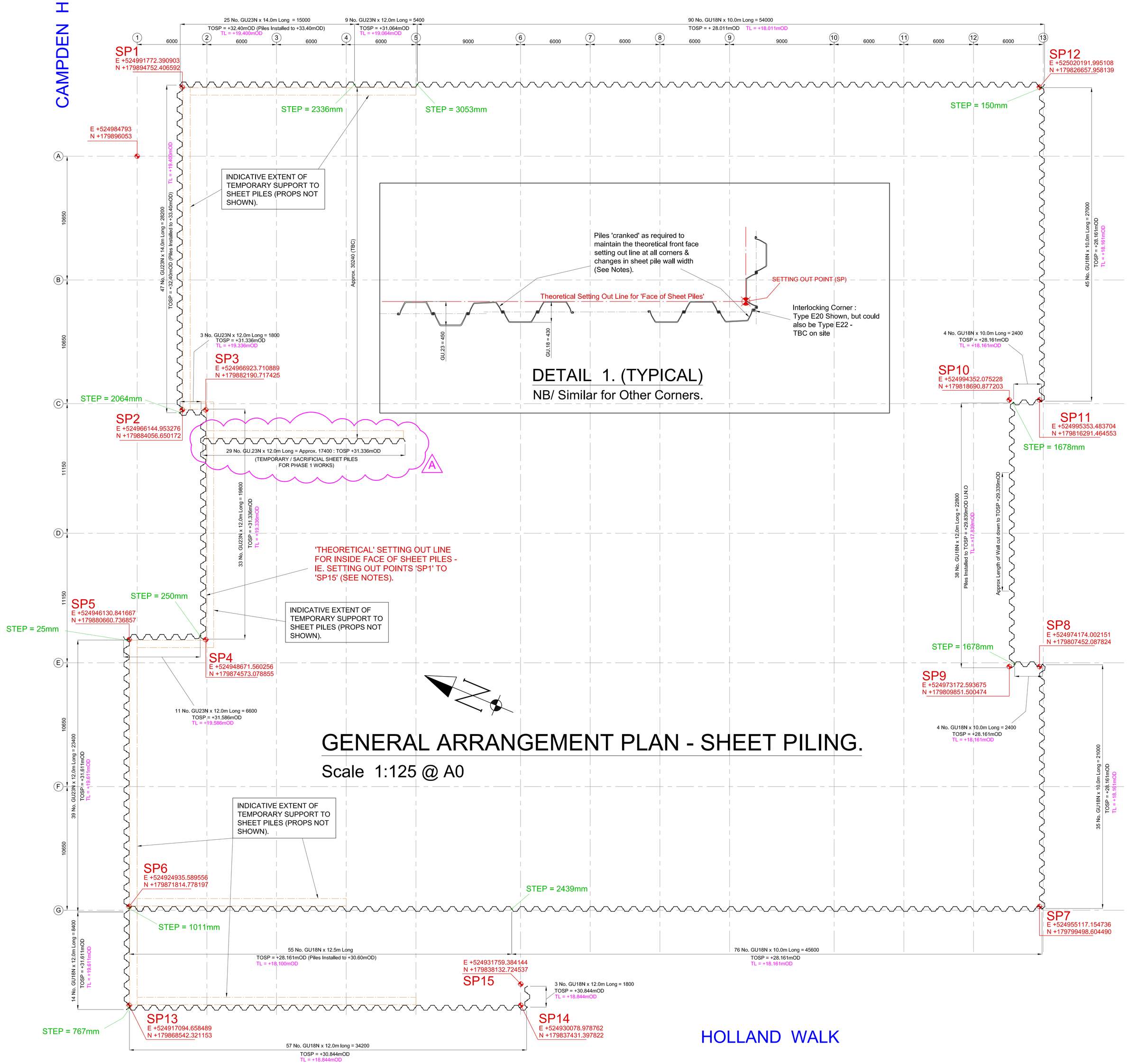
CAMPDEN HILL

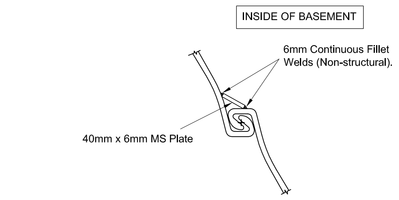
SHELDRAKE PLACE

HOLLAND WALK



GENERAL ARRANGEMENT PLAN - SHEET PILING.

Scale 1:125 @ A0



INTERLOCK SEALING DETAIL (Grade 2 Basement Wall).

NOTES

1. See also SPUK Installation Method Statement & Sheets SEQ/1 to SEQ/4 for proposed Sequence of Works.
   NB/ 'Dummy Piles' & Step Up/Down details to facilitate the GIKEN Pile Press are not shown.
2. Mid-line step positions to be checked as work progresses and are to be to the nearest whole pile.
3. For SPUK Sheets for Sections S/1, S/2, S/3 & S4.
4. For Waterman Sections & Elevations - See drgs. P011, P012 & P014.
5. For commencing Piling Platform Levels, Ramp Details & Initial Bulk Earthworks - See McGee Piling Platform Sketch Drawings.
6. Setting Out by Others - The coordinates to the face of the sheet pile lines are given on Waterman drgs. SP01 & SP02.
7. Pile numbers, wall plan lengths, pile orientations and corner configurations indicated are indicative only and are subject to rolling / installation tolerances and pile line creep.
8. Interlocking corner profiles E20 & E22 are to be used at all corners. Following the corner installation, the proximity to the theoretical corner setting out is to be assessed and the sheet piles shall be 'cranked' as required (max. 5 degrees per interlock) to re-establish as near as is possible, the theoretical setting out lines (front face of sheet piles). See Detail 1.
   Notwithstanding the above, the achievable sheet pile layout will be a 'best-fit' layout, within the constraints of the GIKEN installation methodology.
9. Pile installation is generally subject to SPUK's standard tolerances of +/-50mm in Plan Position at the commencing level & 1 in 75 verticality.
10. Unless noted otherwise, the Sheet Piles are generally to be installed to the 'Top Levels' (TOSP) given, which are the final levels prior to RC Capping Beam construction. Where required, due to external levels, an initial bulk excavation is to be carried out to provide Platform Levels - Details TBC.
11. The Sheet Pile Interlocks from top level to formation Level to be plated and welded with non-structural 6mm sealing welds to achieve a BS8102 Grade 2 Basement - See Detail.
12. For Steel Puddle Flange and Shear Stud details within the Basement RC slab, see Waterman drg. P010.
13. Where possible the RC capping beams are to be constructed prior to bulk excavation of the basement. Capping Beam SSLs vary - see relevant Waterman drawings.
14. Temporary Support to sheet piles(Walings & Props at 2 levels) is required where indicated - Details TBC

SHEET PILES : (All Quantities Approximate) :-

421 no. ARCELOR GU.18N (S355GP) - or similar approved
- 254 no. @ 10.0m
- 112 no. @ 12.0m
- 55 no. @ 12.5m

196 no. ARCELOR GU.23N (S355GP) - or similar approved
- 95 no. @ 12.0m
- 72 no. @ 14.0m
- 29 no. @ 12.0m (Temporary / Sacrificial Sheet Piles)

Total Number of Sheet Piles = 617 no.

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KEY :

TOSP = FINAL TOP OF SHEET PILE LEVEL
TL = PILE TOE LEVEL

CDM (2007) - RESIDUAL RISKS	
REF	RISK
01	Soil Strengths / Strata Levels different to design assumptions.
02	Obstructions along the sheet pile lines.
03	Excessive Surcharge Loadings.
04	Excessive Accidental Overdig (above Allowance in Design).
05	Statutory Services crossing sheet pile lines.
06	Ground Water Levels > Allowances.
07	Degredation / softening of passive formation.
08	Axial load capacity of installed sheet piles.

FOR CONSTRUCTION

A	08/08/14	FOR CONSTRUCTION - TEMP. / SACRIFICIAL PILES ADDED.	GAP
P1	24/07/14	FIRST ISSUE-FOR REVIEW	GAP

Client :
McGEE GROUP LTD.

Project :
CAMPDEN HILL :- BASEMENT.

Drawing Title :
SHEET PILE WALLS : GENERAL ARRANGEMENT PLAN.

	Scale :	Drawn by :	Checked :
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