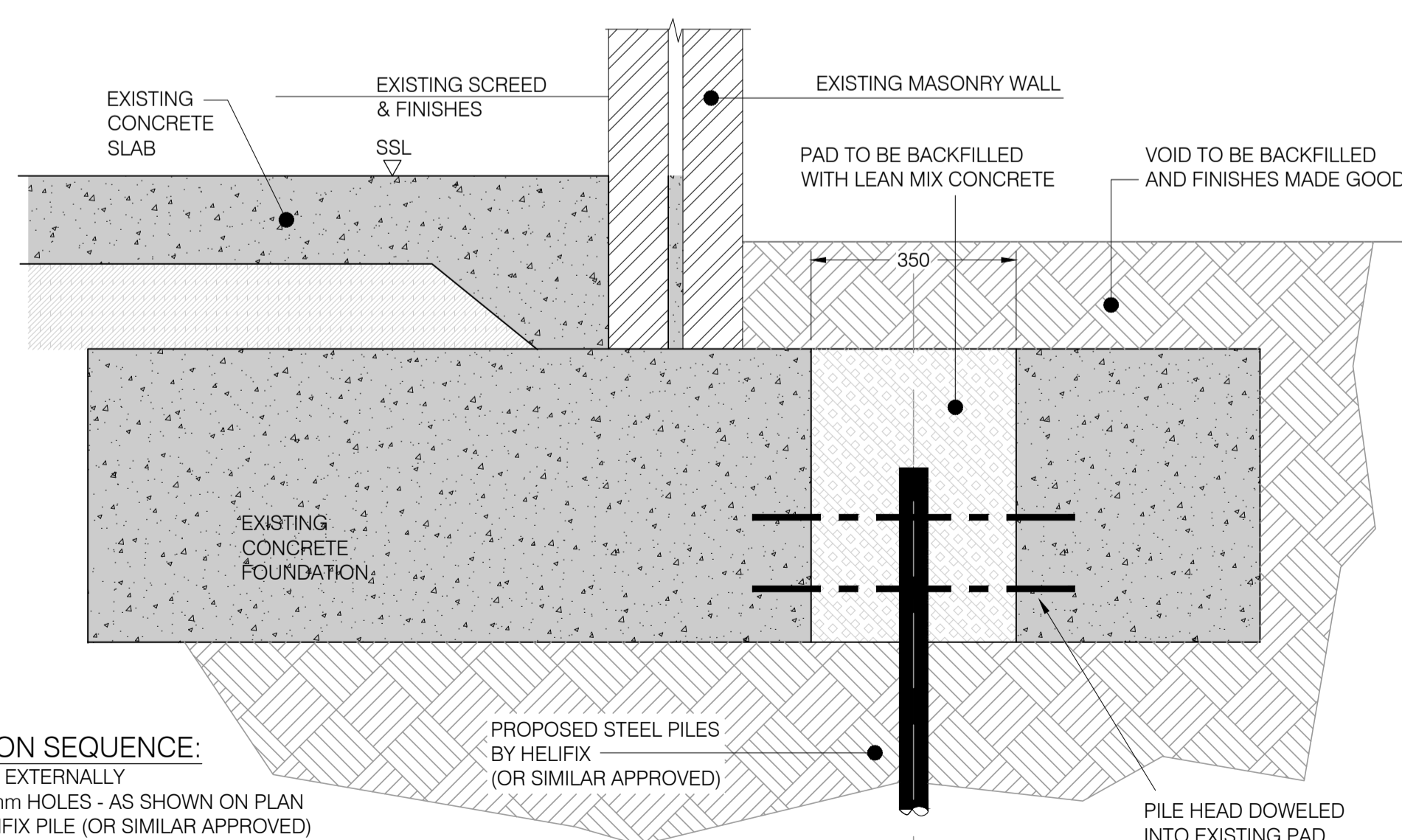


**INDICATIVE PILE LOCATIONS
PERMANENT CONDITION**

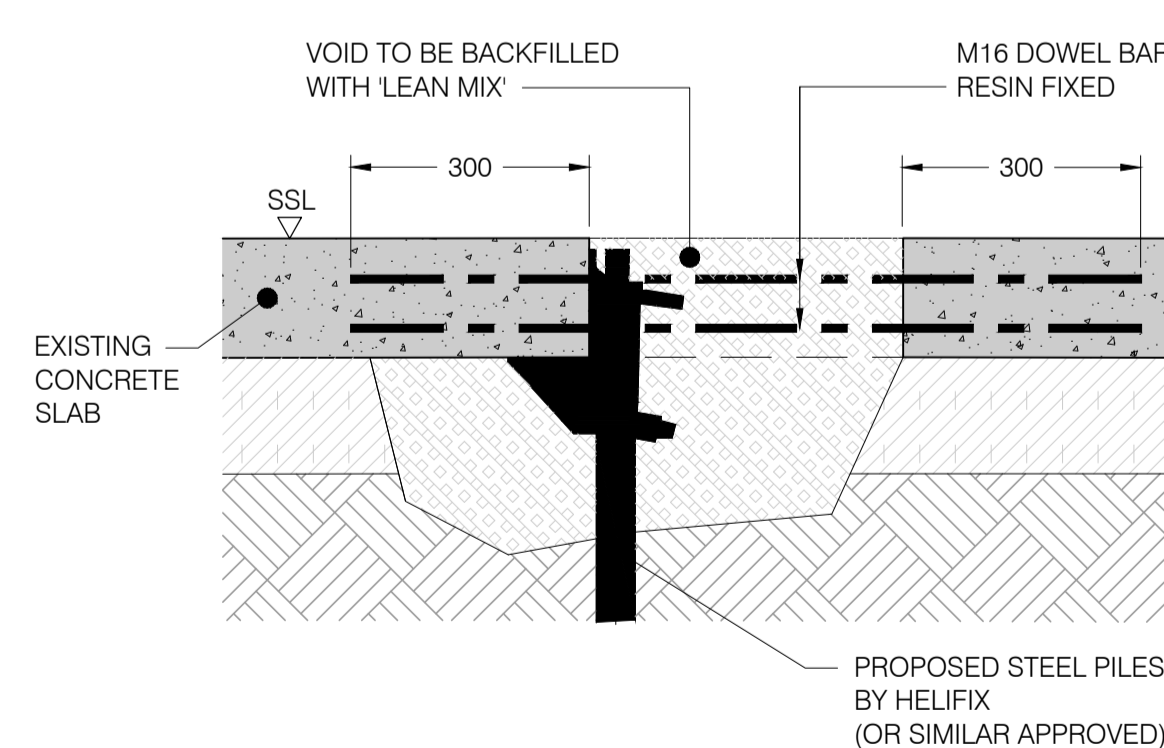
Scale 1:50



**SECTION A-A
THROUGH EXTERNAL PILE**
1:10 SCALE

CONSTRUCTION SEQUENCE:

1. EXPOSE PAD EXTERNALLY
2. CORE Ø350mm HOLES - AS SHOWN ON PLAN
3. INSTALL HELIFIX PILE (OR SIMILAR APPROVED)
4. DOWEL PILE HEAD INTO EXISTING PAD
5. BACKFILL PAD WITH LEAN MIX CONCRETE
6. BACKFILL AND MAKE GOOD FINISHES



**SECTION B-B
THROUGH INTERNAL PILE**
1:10 SCALE

CONTRACTOR TO ALLOW FOR REMOVAL OF EXISTING SLAB AND REPLACEMENT WITH NEW 200mm DEEP REINFORCED SLAB - SUBJECT TO FURTHER OPENING UP ONCE WORKS START

GENERAL NOTES

1. ENGINEERING DRAWINGS AND SPECIFICATIONS ARE TO BE READ IN CONJUNCTION WITH THE ARCHITECTS AND ALL OTHER CONSULTANTS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE FROM THE DRAWINGS OR EXTRACT FROM DIGITAL FILES, WORK TO FIGURED DIMENSIONS ONLY.
3. ALL SETTING OUT TO ARCHITECTS DRAWINGS.
4. IF ANY DISCREPANCIES ARE NOTED THEY ARE TO BE BROUGHT TO THE ATTENTION OF THE RELEVANT CONSULTANT AND WRITTEN GUIDANCE SOUGHT.

PILING

1. The general design for the piles shall be in accordance with BS 8004 - the Code of Practice for Foundations.
2. No pile shall be more than 75mm off the true centre position and vertical errors shall not exceed 40mm per 3m depth of pile.
3. All pile loads given in the Pile Schedule are unfactored Safe Working Loads (SWL). A minimum factor of safety of 2.6 in compression and 3.0 in tension is required on all pile loads. Loads in brackets are negative tension loads.
4. Integrity test using a sonic impulse method employed by N. D. Technology (023 8046 5992) to be applied to all cast-in-situ concrete piles. Testing to be carried out at least seven days after casting.
5. All pile locations shall be probed and any obstructions found (except live services) shall be removed by main Contractor and voids backfilled with compacted hoggin.
6. Piles including contiguous shall be designed and specified by a specialist.
7. This drawing to be read in conjunction with ground appraisal report by RM Brown. All piles shall be bored and not driven.
8. Positive values are compressive forces, Negative values bracketed are uplift forces. All loads shown are unfactored.
9. The scheme assumes a void-former is installed beneath concrete slabs.
10. The concrete for the piles shall be designed to sulphate class to DS-2 and ACEC class AC-2 concrete classification of DC-2.
11. The contiguous piles shall be designed to retain the soil as detailed in the geotechnical report. In addition a surcharge of 10kN/m² should be applied.

FOUNDATIONS

1. Concrete in strip footings to be grade GEN3
2. Concrete cover to any reinforcement to be Min. 40mm unless noted otherwise
3. All foundations to be constructed in full accordance with NHBC standards Chapter 4.2 when building near trees & depths calculated using HIGH plasticity subsoils
4. All foundation details shall be constructed at the minimum depth indicated taken from EXISTING or NEW FINISHED GROUND LEVEL whichever is the lower
5. If new foundation passes close to a sewer/drain or trench/trial pit or existing building & the underside of foundation of the new building is below a line projected at 45° from the nearest bottom corner of the adjacent foundation/excavation then contact the engineer for revised foundation details
6. The Site Manager is to notify the Drainage Engineer immediately if any existing drainage is broken through when excavating trenches for the new footings

P2	Section A-A revised, const seq. added	MgN	30.08.19	AH
P1	PRELIMINARY ISSUE	MgN	08.08.19	AH
REV.	AMENDMENTS	BY	DATE	CHECK

PROJECT
**CHELMSFORD COUNTY
HIGH SCHOOL FOR GIRLS**

TITLE
**SWIMMING POOL REPAIRS
PERMANENTCONDITION**

DRAWING No. SCALE VARIOUS @ A1

19052-SR-GA-02-P2

**PRELIMINARY
ISSUE**