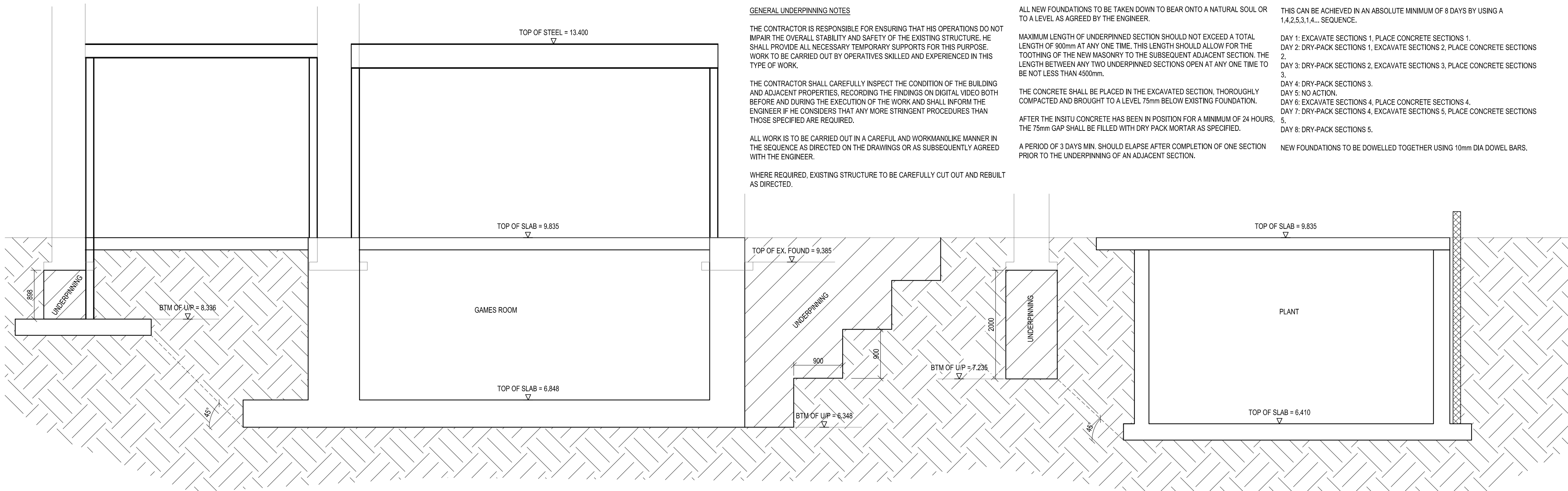
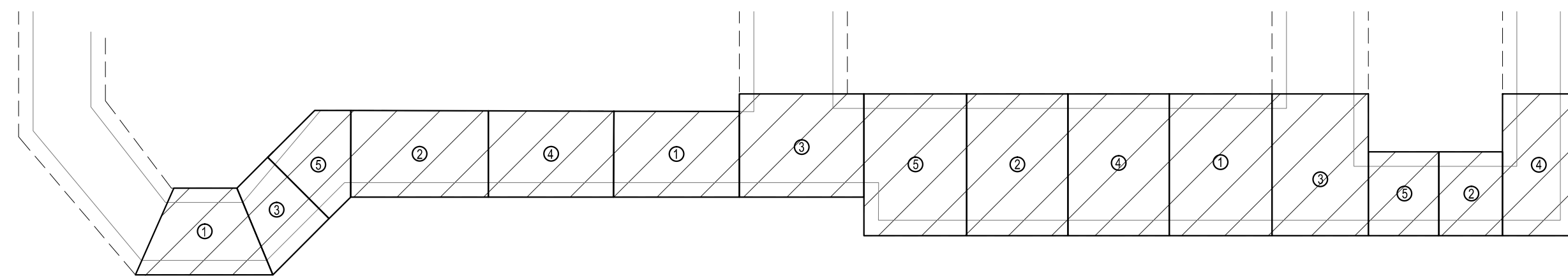


DO NOT SCALE FROM DRAWING. IF IN DOUBT ASK.



SECTION AA-AA
(SHOWING UNDERPINNING LOCATIONS)
(1:50)



UNDERPINNING SEQUENCE
(@ REAR OF BUILDING)
(1:50)

GENERAL UNDERPINNING NOTES

THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT HIS OPERATIONS DO NOT IMPAIR THE OVERALL STABILITY AND SAFETY OF THE EXISTING STRUCTURE. HE SHALL PROVIDE ALL NECESSARY TEMPORARY SUPPORTS FOR THIS PURPOSE. WORK TO BE CARRIED OUT BY OPERATIVES SKILLED AND EXPERIENCED IN THIS TYPE OF WORK.

THE CONTRACTOR SHALL CAREFULLY INSPECT THE CONDITION OF THE BUILDING AND ADJACENT PROPERTIES, RECORDING THE FINDINGS ON DIGITAL VIDEO BOTH BEFORE AND DURING THE EXECUTION OF THE WORK AND SHALL INFORM THE ENGINEER IF HE CONSIDERS THAT ANY MORE STRINGENT PROCEDURES THAN THOSE SPECIFIED ARE REQUIRED.

ALL WORK IS TO BE CARRIED OUT IN A CAREFUL AND WORKMANLIKE MANNER IN THE SEQUENCE AS DIRECTED ON THE DRAWINGS OR AS SUBSEQUENTLY AGREED WITH THE ENGINEER.

WHERE REQUIRED, EXISTING STRUCTURE TO BE CAREFULLY CUT OUT AND REBUILT AS DIRECTED.

ALL NEW FOUNDATIONS TO BE TAKEN DOWN TO BEAR ONTO A NATURAL SOUL OR TO A LEVEL AS AGREED BY THE ENGINEER.

MAXIMUM LENGTH OF UNDERPINNED SECTION SHOULD NOT EXCEED A TOTAL LENGTH OF 900mm AT ANY ONE TIME. THIS LENGTH SHOULD ALLOW FOR THE TOOTHING OF THE NEW MASONRY TO THE SUBSEQUENT ADJACENT SECTION. THE LENGTH BETWEEN ANY TWO UNDERPINNED SECTIONS OPEN AT ANY ONE TIME TO BE NOT LESS THAN 4500mm.

THE CONCRETE SHALL BE PLACED IN THE EXCAVATED SECTION, THOROUGHLY COMPACTED AND BROUGHT TO A LEVEL 75mm BELOW EXISTING FOUNDATION.

AFTER THE INSITU CONCRETE HAS BEEN IN POSITION FOR A MINIMUM OF 24 HOURS, THE 75mm GAP SHALL BE FILLED WITH DRY PACK MORTAR AS SPECIFIED.

A PERIOD OF 3 DAYS MIN. SHOULD ELAPSE AFTER COMPLETION OF ONE SECTION PRIOR TO THE UNDERPINNING OF AN ADJACENT SECTION.

THIS CAN BE ACHIEVED IN AN ABSOLUTE MINIMUM OF 8 DAYS BY USING A 1,4,2,5,3,1,4... SEQUENCE.

- DAY 1: EXCAVATE SECTIONS 1, PLACE CONCRETE SECTIONS 1.
- DAY 2: DRY-PACK SECTIONS 1, EXCAVATE SECTIONS 2, PLACE CONCRETE SECTIONS 2.
- DAY 3: DRY-PACK SECTIONS 2, EXCAVATE SECTIONS 3, PLACE CONCRETE SECTIONS 3.
- DAY 4: DRY-PACK SECTIONS 3.
- DAY 5: NO ACTION.
- DAY 6: EXCAVATE SECTIONS 4, PLACE CONCRETE SECTIONS 4.
- DAY 7: DRY-PACK SECTIONS 4, EXCAVATE SECTIONS 5, PLACE CONCRETE SECTIONS 5.
- DAY 8: DRY-PACK SECTIONS 5.

NEW FOUNDATIONS TO BE DOWELLED TOGETHER USING 10mm DIA DOWEL BARS.

Rev	Comment	Date	By

>>/
Structural Design Consultants

Project:
Dunforth House
Park Road, Edinburgh

Drawing title:
**PROPOSED EXTENSION
UNDERPINNING**

Contract Number	Issue Status.	Drawn/Checked
17649	Building Warrant	GJS / PT

Scale	Date	Drawing no.	Revision.
AS NOTED	Apr 15	10	

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Approved Body Number	SER1-DB-0308