

PLAN ON MAIN HOUSE (1:100 @ A3)

SPECIFICATION

NOTE A

TAKE DOWN GABLE AND WALLS AS INDICATED ON THE PLAN AND REBUILD IN 7N/mm² CONCRETE BLOCK 440mm WIDE TO SUIT EXISTING WALL WIDTH. WALL TO COMPRISE 215mm INNER LEAF 100mm INSULATED CAVITY AND 100 BLOCK OUTER LEAF. CAVITY TIES PROVIDED AT 450v AND 700h CENTRES. FULLY BUILD INTO THE REMAINING WALLS. WALL TO BE BUILT OFF A 750x225mm DEEP MASS CONCRETE STRIP FOOTING CAST 1500mm BELOW EXISTING GROUND LEVEL TO SUIT BUILDING NEAR TREES REQUIREMENTS. FRONT BUTTRESS IS NOT REQUIRED HOWEVER IF TO BE REBUILT TO BE FORMED IN 215mm THICK CONCRETE BLOCKWORK. FORMATION TO FOUNDATIONS TO BE APPROVED ON SITE.

EXPAMET TO BE FIXED TO WALL ACROSS INTERFACE BETWEEN NEW AND EXISTING MASONRY PRIOR TO RENDERING.

INTERNAL ROOF AND FIRST FLOOR TO BE FULLY PROPPED PRIOR TO REMOVING THE EXISTING WALLS.

ROOF STRUCTURE TO BE PROVIDED WITH TEMPORARY SUPPORT PRIOR TO DEMOLITION WORKS COMMENCING. UPVC SUN ROOM TO BE PROPPED AND REFITTED ONCE WALL BUILT WITH AN INTEGRAL CAVITY TRAY AND FLASHING AT THE INTERFACE BETWEEN THE NEW WALL AND CONSERVATORY ROOF.

NOTE B

TIE CRACK IN GABLE END BY INSTALLING 750mm LONG SPANLITE LINTELS INTO THE WALL ACROSS THE CRACK LOCATION AT 600mm VERTICAL CENTRES. THE CRACK SHOULD BE THEN BE FILLED WITH A SAND/CEMENT MORTAR. EXPAMET SHOULD BE FITTED TO THE WALL FACE ACROSS THE CRACK LOCATION PRIOR TO REAPPLYING RENDER OR PLASTER.

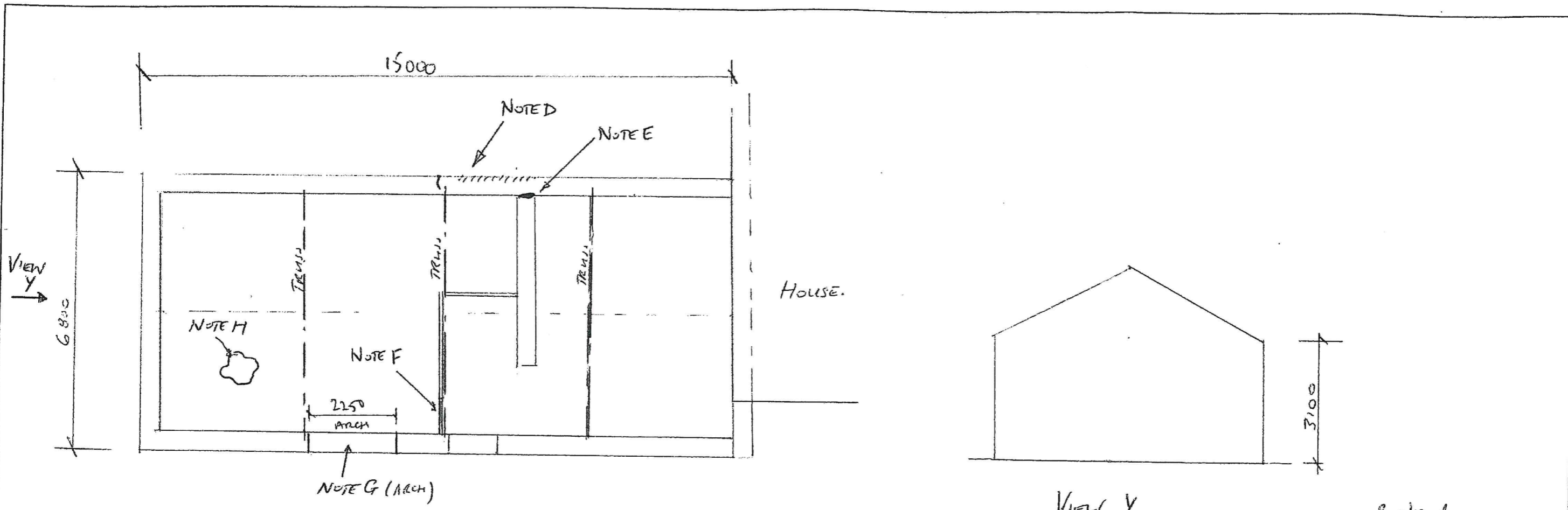
NOTE C

UNUSED OUT BUILDING TO BE DEMOLISHED AND THE REQUIREMENT TO REBUILD CONFIRMED WITH THE BUILDING OWNER. IF REBUILDING REQUIRED FORM IN CONCRETE BLOCK, 100mm THICK, FULLY TIED INTO THE NEW GABLE WALL AND BUILT OFF 450x150 DEEP CONCRETE STRIP FOOTINGS CAST HOMOGENEOUS WITH THE GABLE FOUNDATION. ROOF TO BE REPLACED LIKE FOR LIKE

C 3/19 REVISED
B 9/16 REVISED
A 8/16 FIRST ISSUE

Rev	Date	Description	DR	CR		
WDS LTD						
WHINBARROW DESIGN SERVICES LIMITED CIVIL & STRUCTURAL ENGINEERS						
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Tel/Fax: 016973 21984 Mob: 07803 943 248						
Client GVA BILFINGER						
Job Title HIGH LINE BANK CALDER BRIDGE CUMBRIA						
Drawing Title MAIN HOUSE STRUCTURAL REMEDIAL SCOPE						
Status INFORMATION						
Scale AS SHOWN						
Date AUG 16						
Drawn By T-SHORT						
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A3 ORIGINAL



PLAN ON BARN (1:100 @ A3)

View Y

SPECIFICATION

NOTE D

REAR ELEVATION HEAVILY WEATHERED, MASONRY APPEARS LOOSE. REINSTATE LOOSE STONEMWORK AND POINT (APPROXIMATE 10m2 AREA). TIE VERTICAL CRACK IN REAR ELEVATION USING 750mm LONG SPANLITE LINTELS BUILT INTO WALL AT 450mm VERTICAL CENTRES AND FILL CRACK WITH SAND/CEMENT. ALTERNATIVELY USE HELIFIX Lid CRACK STITCHING SYSTEM.

GENERALLY EXTERNAL BARN ELEVATIONS NEED REPOINTED.

NOTE E

RE-TIE INTERNAL WALL TO REAR WALL USING SIMILAR STITCHING TECHNIQUE AS NOTED ABOVE, REQUIRED OVER FULL HEIGHT OF WALL.

NOTE F

REPLACE TIMBER LINTEL OVER INTERNAL BRICK WALL WITH A 150x100 ACP Lid PSL2 LINTEL WITH 150mm BEARING AT EACH END. LOCALLY REBUILD BRICKWORK ABOVE.

NOTE G

ARCH KEYSTONES NEED RE-FITTED AND PACKED. REMOVE MASONRY UP TO EAVES (PROP ROOF) AND REINSTATE ARCH OVER TEMPORARY CENTERING AND REBUILD WALL OVER. STRIKE CENTERING 7 DAYS AFTER WALL IS REINSTATED. ALTERNATIVELY REPLACE ARCH WITH A TRADITIONAL CONCRETE LINTEL SYSTEM COMPRISING 4No 215x100 ACP Lid PSL 4 LINTEL (TO SUIT WALL WIDTH) GIVEN 150mm END BEARING.

NOTE H

ROOF LATS NEED REPLACED WHERE ROTTEN. FULL ROOF TIMBERS NEED INSPECTED BY A TIMBER SPECIALIST TO CONFIRM CONDITION. WHERE NECESSARY RAFTERS SHOULD BE REPLACED IN A LIKE OF LIKE FASHION, PURLINS SHOULD BE REPLACED WITH 225x100 C16 TREATED TIMBERS AT SAME CENTRES AS THE EXISTING LAPPED AND FIXED OVER THE TRUSSES.

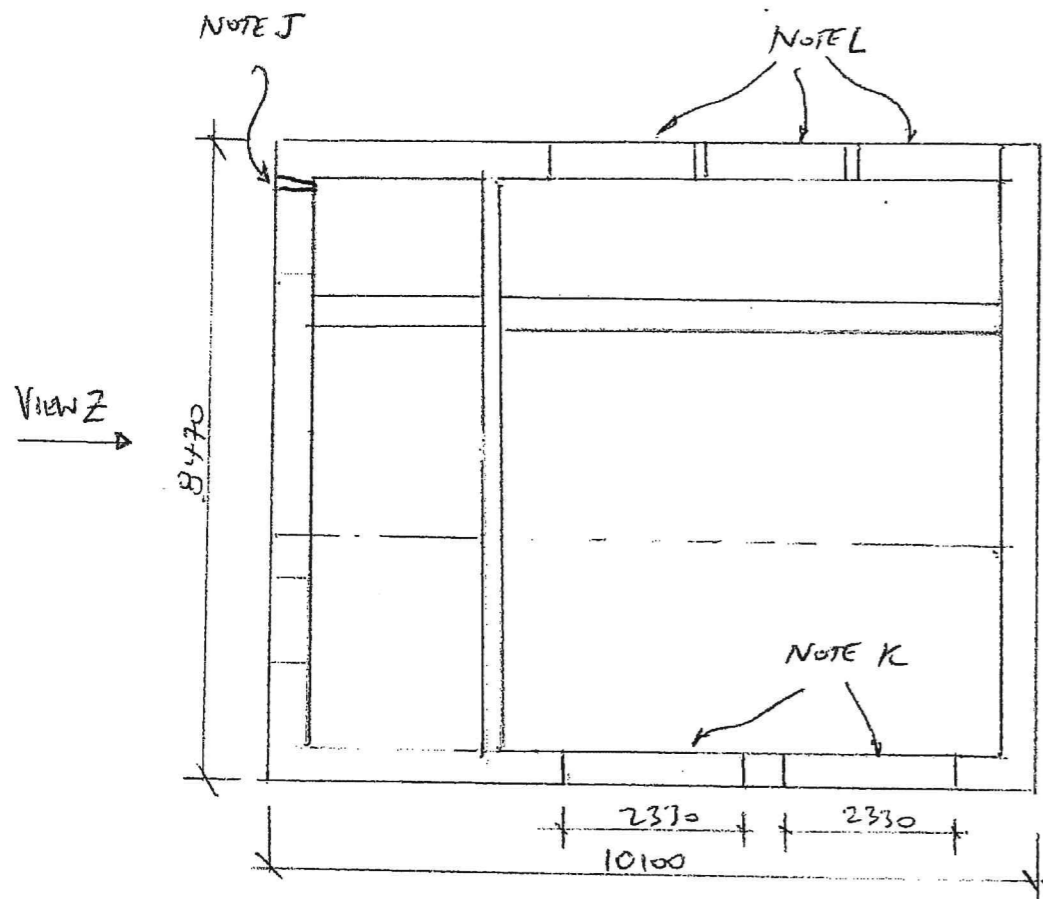
FIRST FLOOR

NO ACCESS WAS MADE ONTO THE FIRST FLOOR AS THE TENANT ADVISED THE FLOOR WAS UNSAFE. FLOOR SHOULD BE REMOVED AS PART OF THE REFURBISHMENT SCHEME IF NOT REQUIRED.

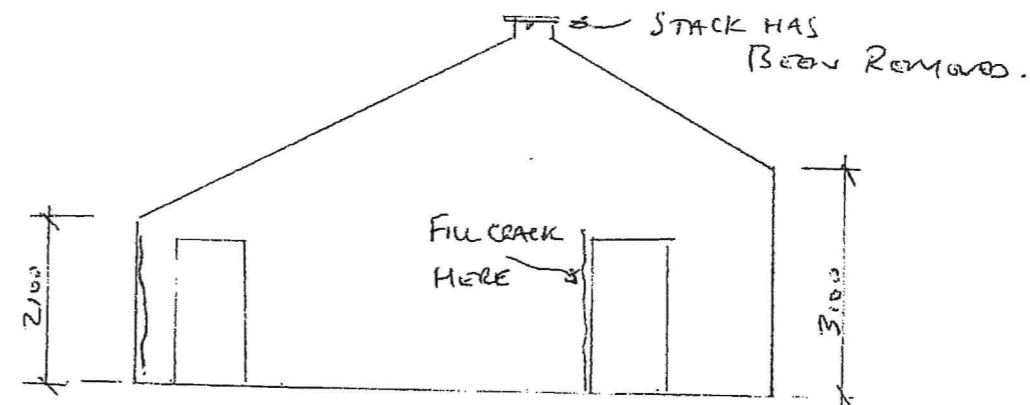
B 2/19 Revised
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Rev	Date	Description	DR	CH
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Client: GVA Bilfinger				
Job Title: HIGH LING BANK CALDER BRIDGE CUMBRIA				
Drawing Title: MAIN BARN STRUCTURAL REMEDIAL SCOPE				
Status: INFORMATION				
Scale:	AS SHOWN	Date:	AUG 16	
Drawn By:	T. SHORT	Checked:	Approved:	
Org No:	05-4415-101	Rev:	B	

A3 ORIGINAL.



PLAN ON COACH HOUSE (1:100 @ A3)



VIEW Z

SPECIFICATION

NOTE J

SEPARATION CRACK TO BE TIED AS NOTED ON SKETCH 101.

GENERALLY EXTERNAL BARN ELEVATIONS NEED REPOINTED.

NOTE K

ARCH KEYSTONES NEED RE-FITTED AND PACKED. REMOVE MASONRY UP TO EAVES (PROP ROOF) AND REINSTATE ARCH OVER TEMPORARY CENTERING AND REBUILD WALL OVER. STRIKE CENTERING 7 DAYS AFTER WALL IS REINSTATED. ALTERNATIVELY REPLACE ARCH WITH A TRADITIONAL CONCRETE LINTEL SYSTEM COMPRISING 4No 215x100 ACP Ltd PSL 4 LINTEL (TO SUIT WALL WIDTH) GIVEN 150mm END BEARING.

NOTE L

TIMBER LINTELS ROTTEN AND RAFTER ENDS OVER. AREA IS NOT USED SUGGEST REMOVING ROOF OVER BACK TO MAIN INTERNAL WALL AND REMOVE SANDSTONE MULLIONS. AT PRESENT AREA IS STRUCTURALLY UNSAFE.

FIRST FLOOR

NO ACCESS WAS POSSIBLE ONTO THE FIRST FLOOR, ROOF TO MAIN AREA OBSCURED. SUGGEST ROOF TIMBERS ARE INSPECTED BY A TIMBER SPECIALIST AND IF NECESSARY REPLACE IN A LIKE FOR LIKE FASHION.

CONSIDER REMOVING TREES AND BUSHES TO AT LEAST 5.0m AWAY FROM THE BUILDING

B3/16 Revised
A8/16 First Issue

Rev	Date	Description	DR	CR



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Job Title
HIGH LING BANK
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CUMBRIA

Drawing Title
COACH HOUSE
STRUCTURAL
REMOVAL SCOPE

Status
INFORMATION

Scale
AS SHOWN

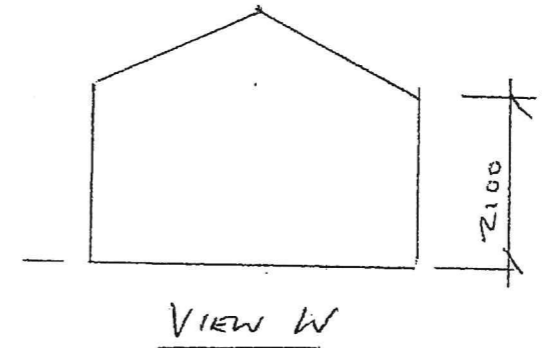
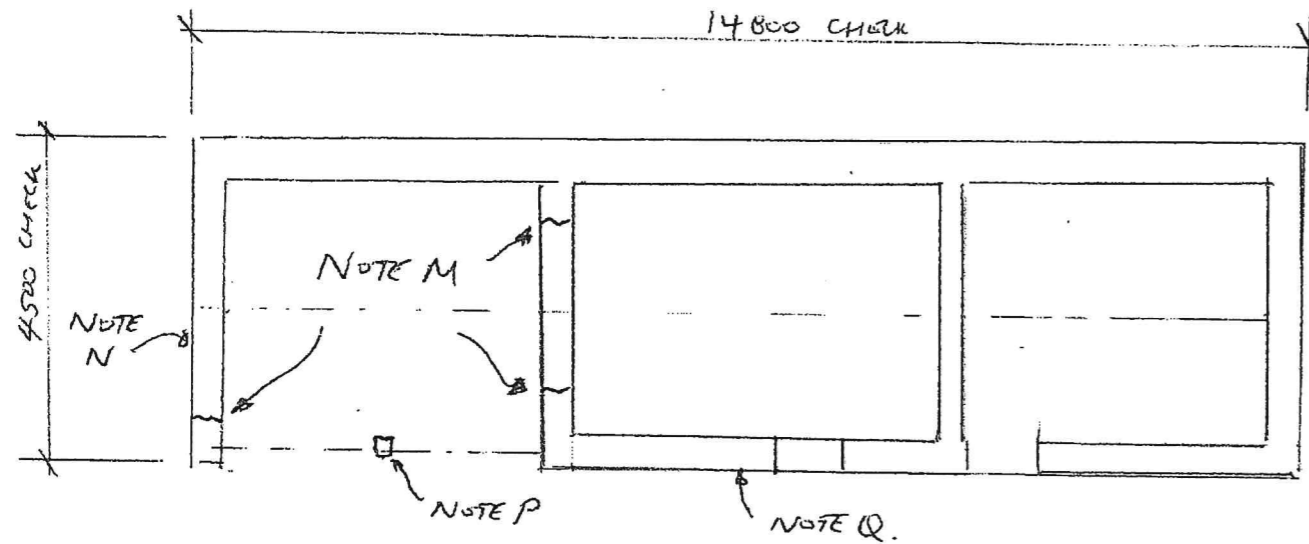
Date
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T-SHORT

Proj No
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A3 ORIGINAL




PLAN ON OUT BUILDINGS (1:100 @ A3)

SPECIFICATION

- NOTE M**
SEPARATION CRACK TO BE TIED AS NOTED ON SKETCH 101.
GENERALLY EXTERNAL ELEVATIONS NEED REPOINTED.
- NOTE N**
ELEVATION HEAVILY WEATHERED, MASONRY APPEARS LOOSE. REINSTATE LOOSE STONEMWORK AND POINT.
- NOTE P**
SANDSTONE POST ROOF SUPPORT UNDERMINED AND LEANS, THIS IS CURRENTLY STRUCTURALLY UNSAFE, PROPPING NEEDS PROVIDED. NEEDS REPLACED WITH A 325mm MASONRY PILLAR BUILT CENTRALLY OFF A 600x600x300mm DEEP MASS CONCRETE PAD FOUNDATION. LINTELS SUPPORTED TO BE STRAPPED DOWN PILLAR USING 1200mm LONG BAT STRAPS.
- NOTE Q**
MASONRY HEAVILY WEATHERED, MASONRY APPEARS LOOSE. REINSTATE LOOSE STONEMWORK AND POINT. LOWER PORTION OF WALL APPEARS TO HAVE DROPPED ADJACENT TO DRAIN SUGGEST CHECK DRAIN FOR LEAKS AND REINSTATE IF NECESSARY. LOCALLY REBUILD WALL (1.5m² AREA)
- ROOF TIMBERS TO BE INSPECTED BY A TIMBER SPECIALIST AND REPLACED IN A LIKE FOR LIKE MANNER WHERE NECESSARY.
- CONSIDER REMOVING TREES AND BUSHES TO AT LEAST 5.0m AWAY FROM THE BUILDING
- SUGGEST FULL DRAINAGE SURVEY IS CARRIED OUT FOR THE FULL PROPERTY BY UNBLOCK CUMBRIA TO TRACE ALL DRAIN RUNS AND CHECK CONDITION OF PIPES.

B31A Revised
A B116 FIRST ISSUE

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Job Title HIGH LING BANK CALDER BRIDGE CUMBRIA				
Drawing Title OUT BUILDINGS				
Section INFORMATION				
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