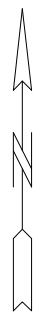


- Legend
- Top of Batter
 - Bottom of Batter
 - Top of Face
 - Bottom of Face
 - Ownership Boundary
 - Planning Application Boundary
 - Removal of Overburden
 - Removal of Greywacke
 - Tip / Rock Traps
 - Restoration
 - Cross Sections

Contains OSI Data.
Map Series | Map Sheets
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1:5,000 | 2051
1:5,000 | 2110
1:5,000 | 2109
© Ordnance Survey Ireland
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Licence No. EN0042023
All levels shown relative to Ordnance Datum



Aughnaccliffe (00795)

**Planning Application
Topo Survey - 27/04/22**

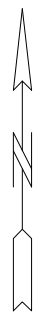
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Dwg N° 220912Dwg01R4	Paper Size A2L
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- Legend**
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Contains OSI Data.
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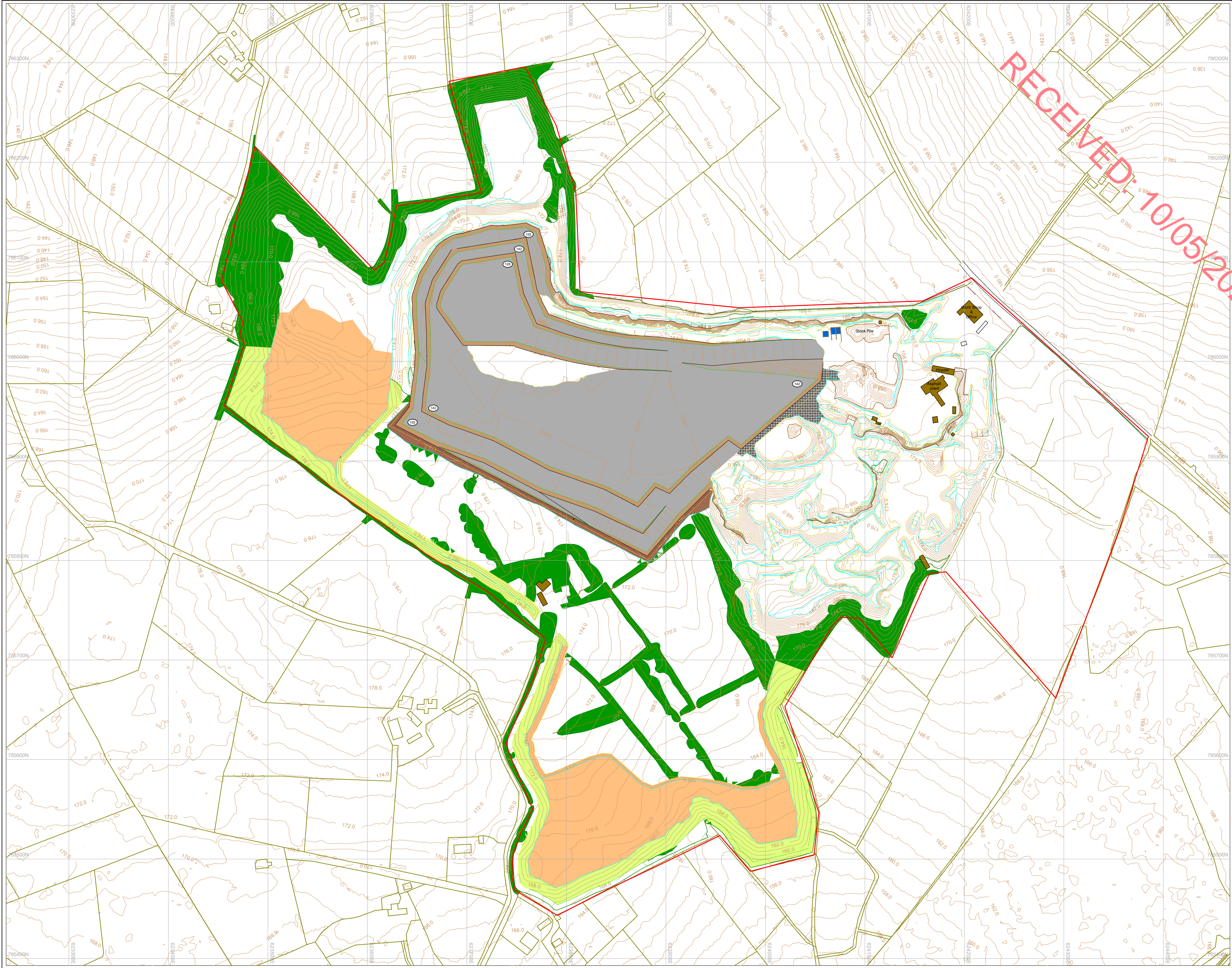


Aughnaccliffe (00795)

**Planning Application
Phase 1**

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- Legend
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 - Top of Face
 - Bottom of Face
 - Ownership Boundary
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 - Removal of Greywacke
 - Tip / Rock Traps
 - Restoration
 - Cross Sections

Contains OSI Data.
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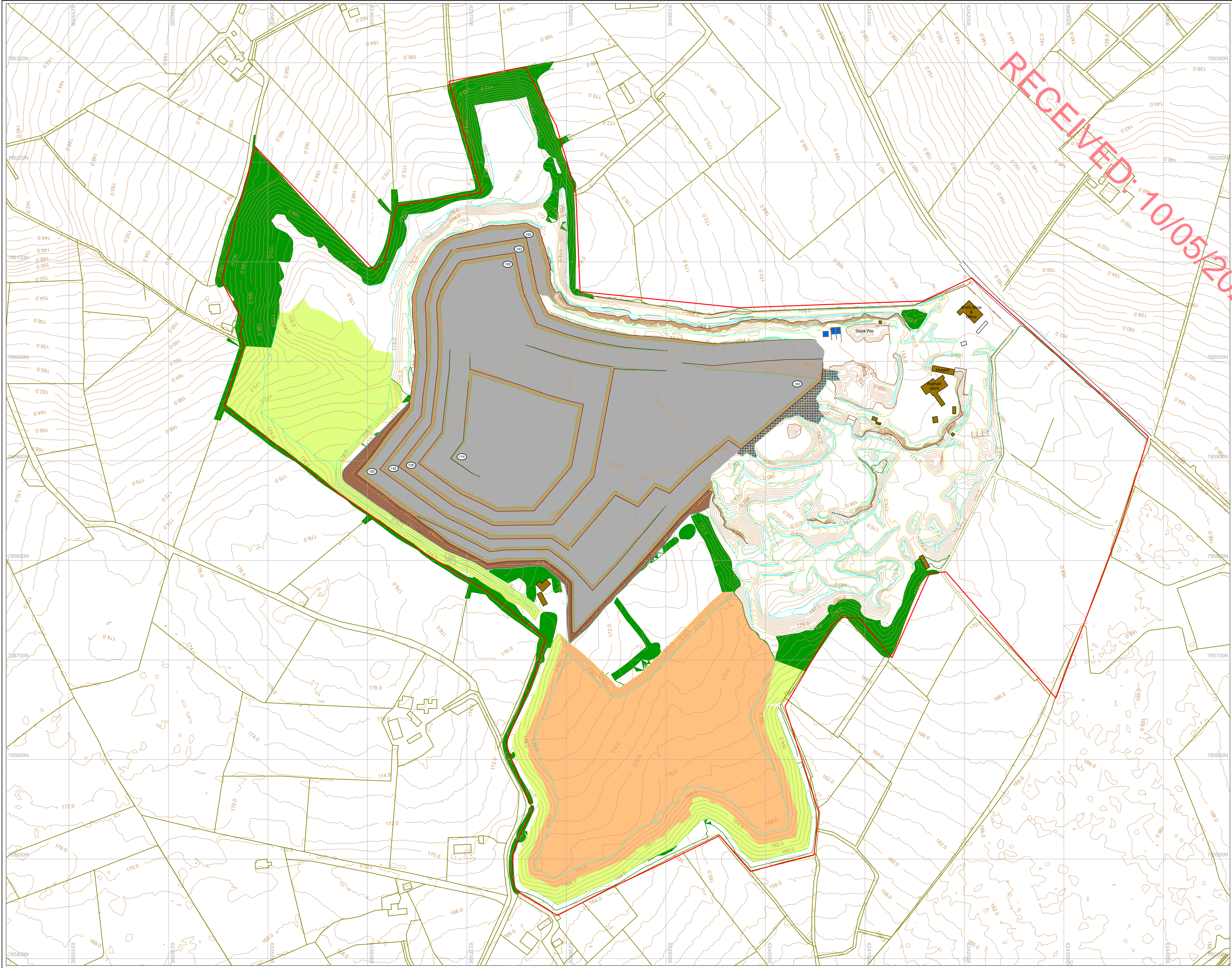


Aughnacliffe (00795)

Planning Application
Phase 2

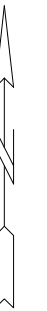
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- Legend
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Contains OSI Data.
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Aughnaccliffe (00795)

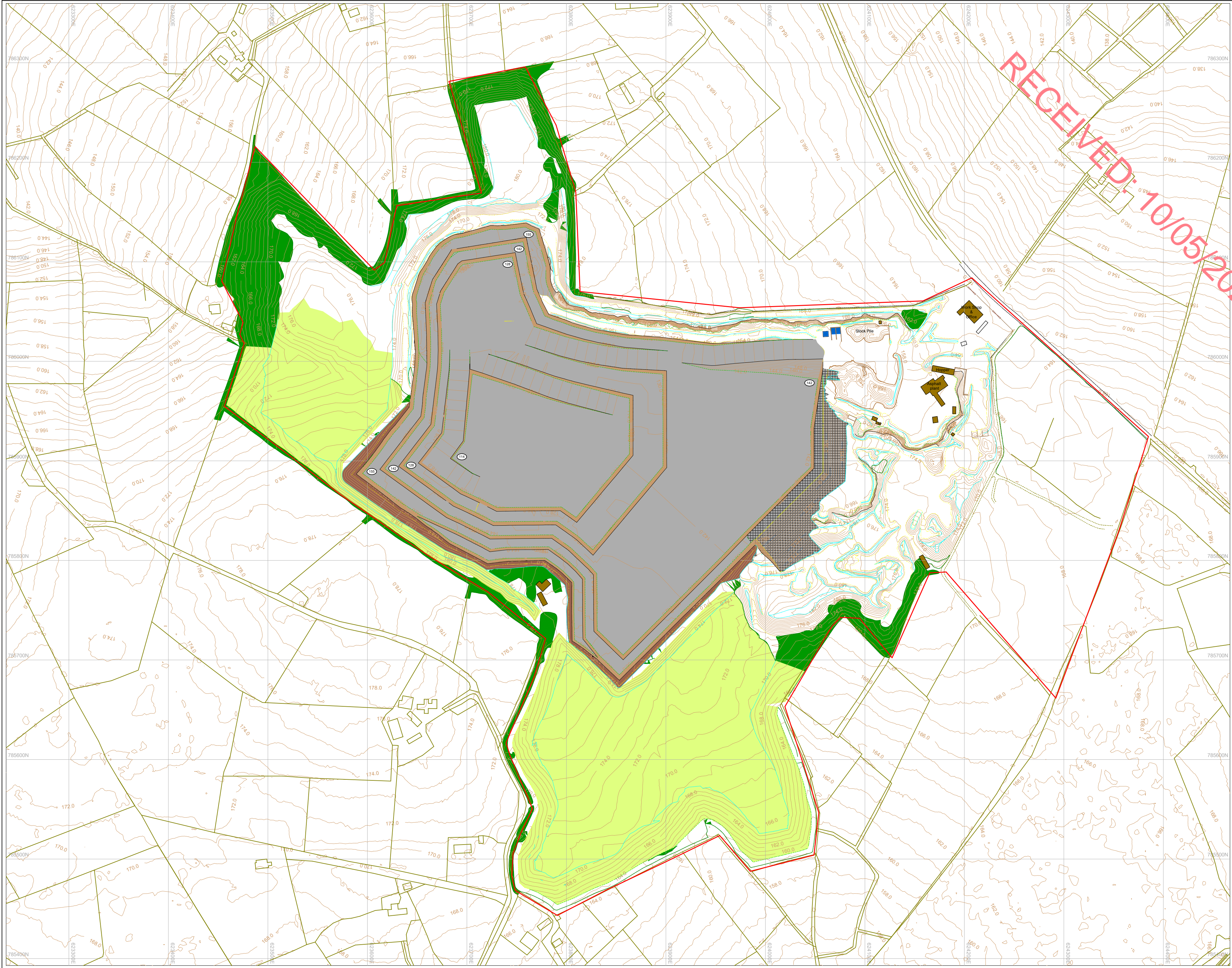
Planning Application
Phase 3

Drawn By
MSW

Scale
1 : 2500

Dwg N°
220912Dwg04r5

Paper Size
A2L



- Legend
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 - Bottom of Batter
 - Top of Face
 - Bottom of Face
 - Ownership Boundary
 - Planning Application Boundary
 - Removal of Overburden
 - Removal of Greywacke
 - Tip / Rock Traps
 - Restoration
 - Cross Sections

Contains OSI Data.
Map Series | Map Sheets
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All levels shown relative to Ordnance Datum



Aughnacliffe (00795)

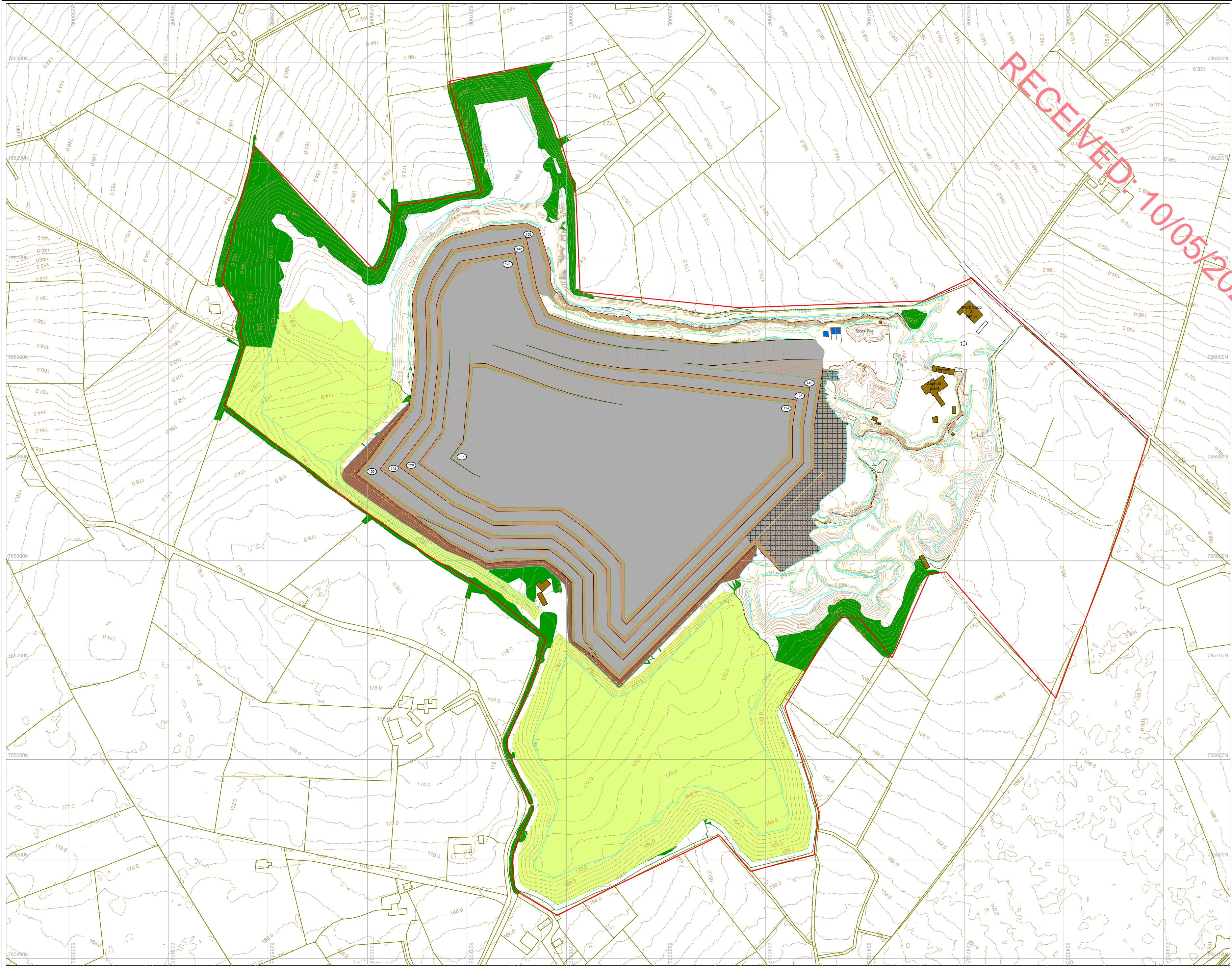
**Planning Application
Phase 4**

Drawn By
MSW

Scale
1 : 2500

Dwg N°
220912Dwg05r5

Paper Size
A2L



- Legend
- Top of Batter
 - Bottom of Batter
 - Top of Face
 - Bottom of Face
 - Ownership Boundary
 - Planning Application Boundary
 - Removal of Overburden
 - Removal of Greywacke
 - Tip / Rock Traps
 - Restoration
 - Cross Sections

Contains OSI Data.
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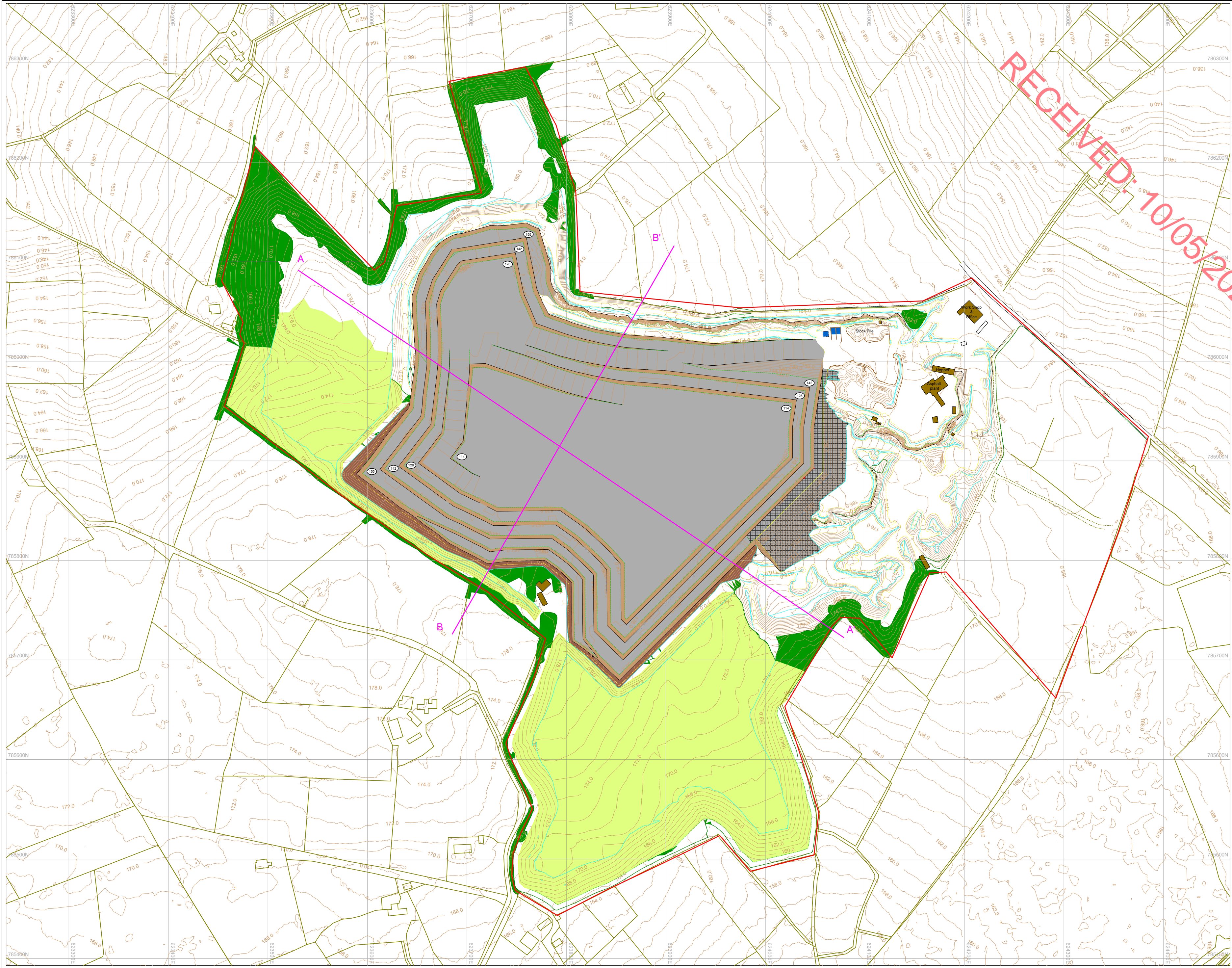


Aughnacliffe (00795)

**Planning Application
Phase 5**

Drawn By MSW	Scale 1 : 2500
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Dwg N° 220912Dwg06r5	Paper Size A2L
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- Legend
- Top of Batter
 - Bottom of Batter
 - Top of Face
 - Bottom of Face
 - Ownership Boundary
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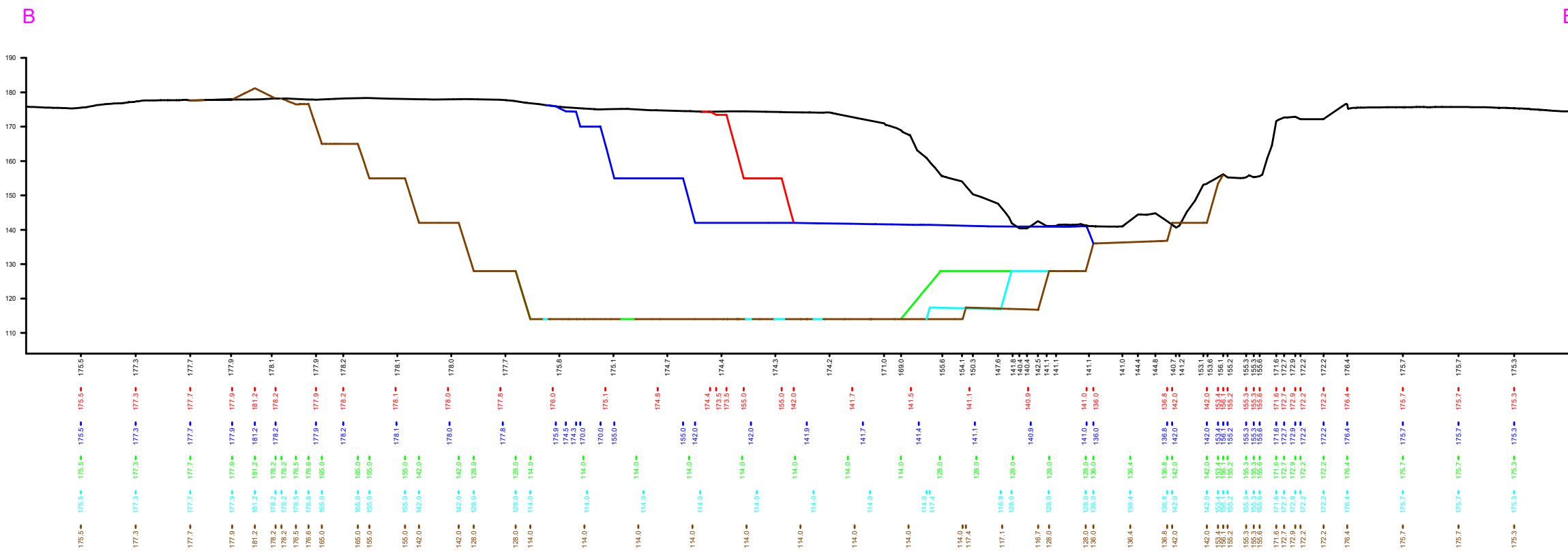
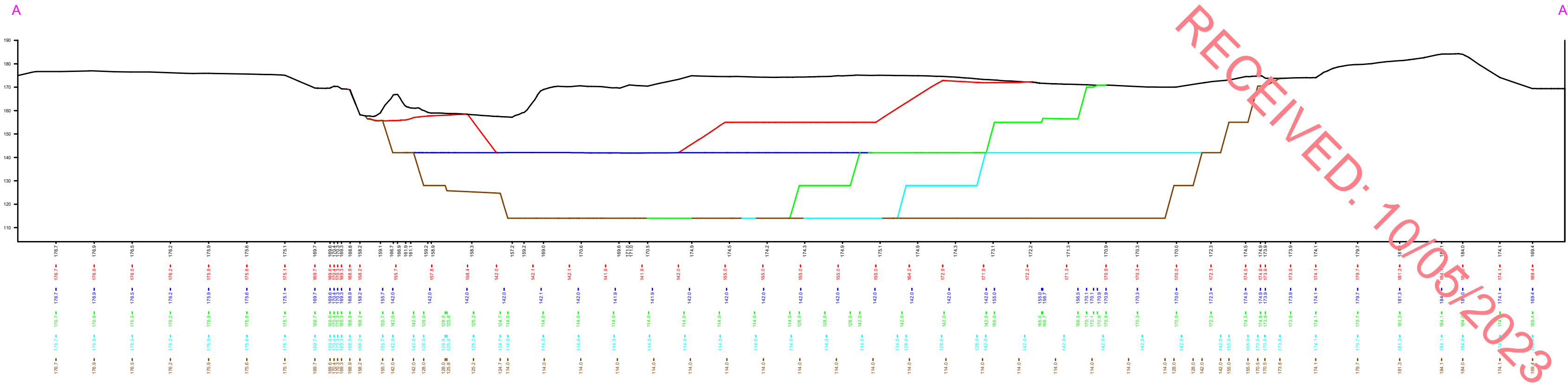


Agghnacliffe (00795)

**Planning Application
Phase 5 with section lines**

Drawn By MSW	Scale 1 : 2500
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Dwg N° 220912Dwg07r6	Paper Size A2L
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Legend

- 2022 Topographic Survey
- Phase 1
- Phase 2
- Phase 3
- Phase 4
- Phase 5



Aughnaccliffe (00759)

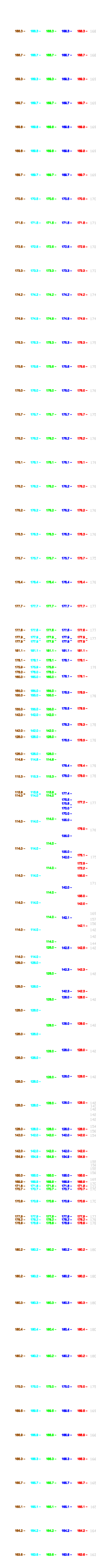
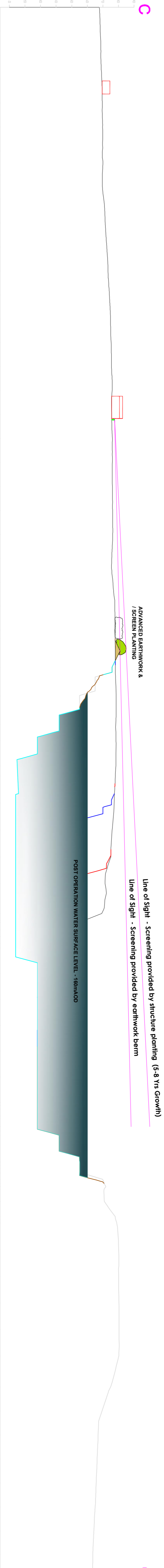
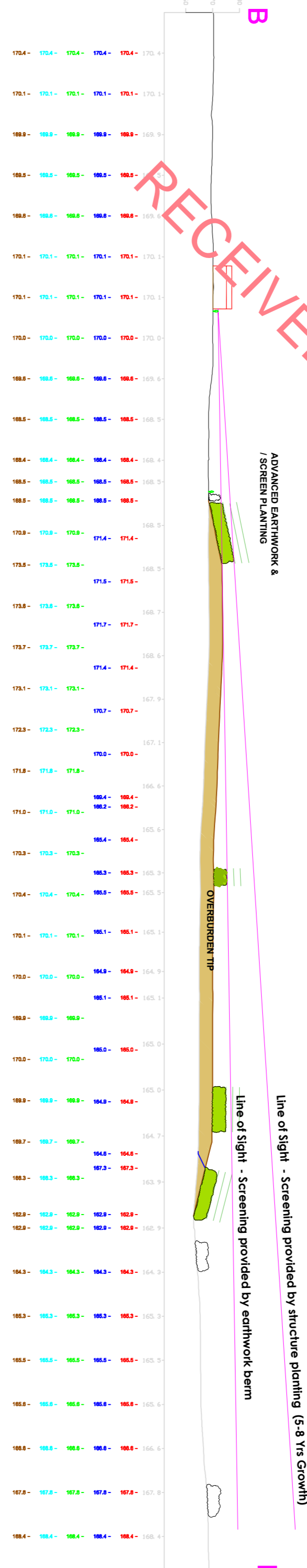
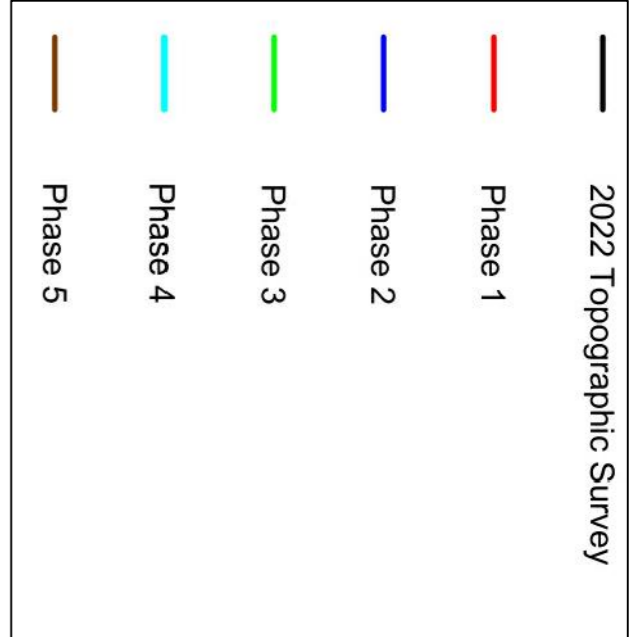
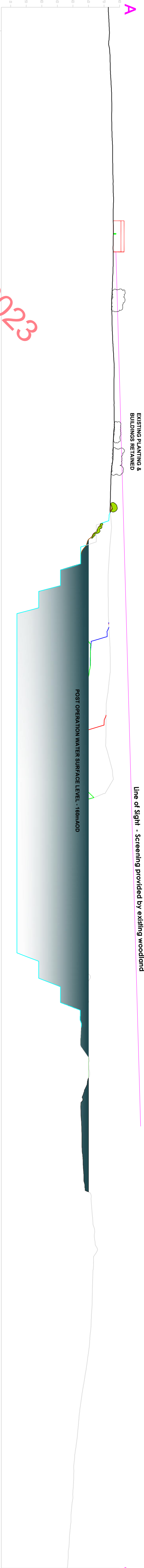
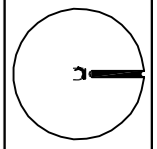
Planning Application
Cross Sections

Drawn By
MSW

Scale
1 : 1500

Dwg N°
220912Dwg08R6

Paper Size
A2L



PLANT SCHEDULES

W1 PIONEER WOODLAND MIX				
% SPECIES	COMMON	SIZE	GROWN	HEIGHT/TRANSPL. DENSITY
Ps 30	Pinus sylvestris	60-90cm	BR / Cell	1 + 1 Branched
Sc 5	Salix cinerea	60-90cm	BR / Cell	1 + 1 Branched
Bp 10	Betula pubescens	60-90cm	BR / Cell	1 + 1 Branched
Bp 10	Betula pendula	60-90cm	BR / Cell	1 + 1 Branched
Ap 20	Acer pseudoplatanus	60-90cm	BR / Cell	1 + 1 Branched
Ps 20	Pinus sp. sp. sp.	60-90cm	BR / Cell	1 + 1 Branched
Sp 5	Salix caprea	60-90cm	BR / Cell	1 + 1 Branched
W3 WET WOODLAND MIX				
% SPECIES	COMMON	SIZE	GROWN	HEIGHT/TRANSPL. DENSITY
20	Salix cinerea	40-60cm	BR / Cell	1 + 1 Branched
20	Betula pubescens	40-60cm	BR / Cell	1 + 1 Branched
20	Pinus sp. sp. sp.	40-60cm	BR / Cell	1 + 1 Branched
20	Salix caprea	40-60cm	BR / Cell	1 + 1 Branched
H1 LIVESTOCK HEDGEROW MIX				
% SPECIES	COMMON	SIZE	GROWN	TRANSPLANTS DENSITY
Cm 75	Cornus monogyna	40-60cm	BR	1 + 1 Branched
Ca 5	Corylus avellana	40-60cm	BR	1 + 1 Branched
Ps 5	Pinus sp. sp. sp.	40-60cm	BR	1 + 1 Branched
la 5	llex aquilifolium	40-60cm	BR	1 + 1 Branched
Sc 5	Salix caprea	40-60cm	BR	1 + 1 Branched
Vo 5	Viburnum opulus	40-60cm	BR	1 + 1 Branched
S1 SCRUB THORN MIX				
% SPECIES	COMMON	SIZE	GROWN	TRANSPLANTS DENSITY
Ue 70	Ulex europaeus	40-60cm	BR	1 + 1 Branched
Ps 30	Pinus sp. sp. sp.	40-60cm	BR	1 + 1 Branched
LIGHT STANDARD TREES				
% SPECIES	COMMON	SIZE (cm)	HEIGHT	APP. STEM DENSITY
Qr 34	Quercus robur	6-8cm	2.5-2.75m	1.5 - 1.8m
Ps 33	Pinus sylvestris	6-8cm	2.5-2.75m	1.5 - 1.8m
Ag 33	Alnus glutinosa	6-8cm	2.5-2.75m	1.5 - 1.8m

Soil Management

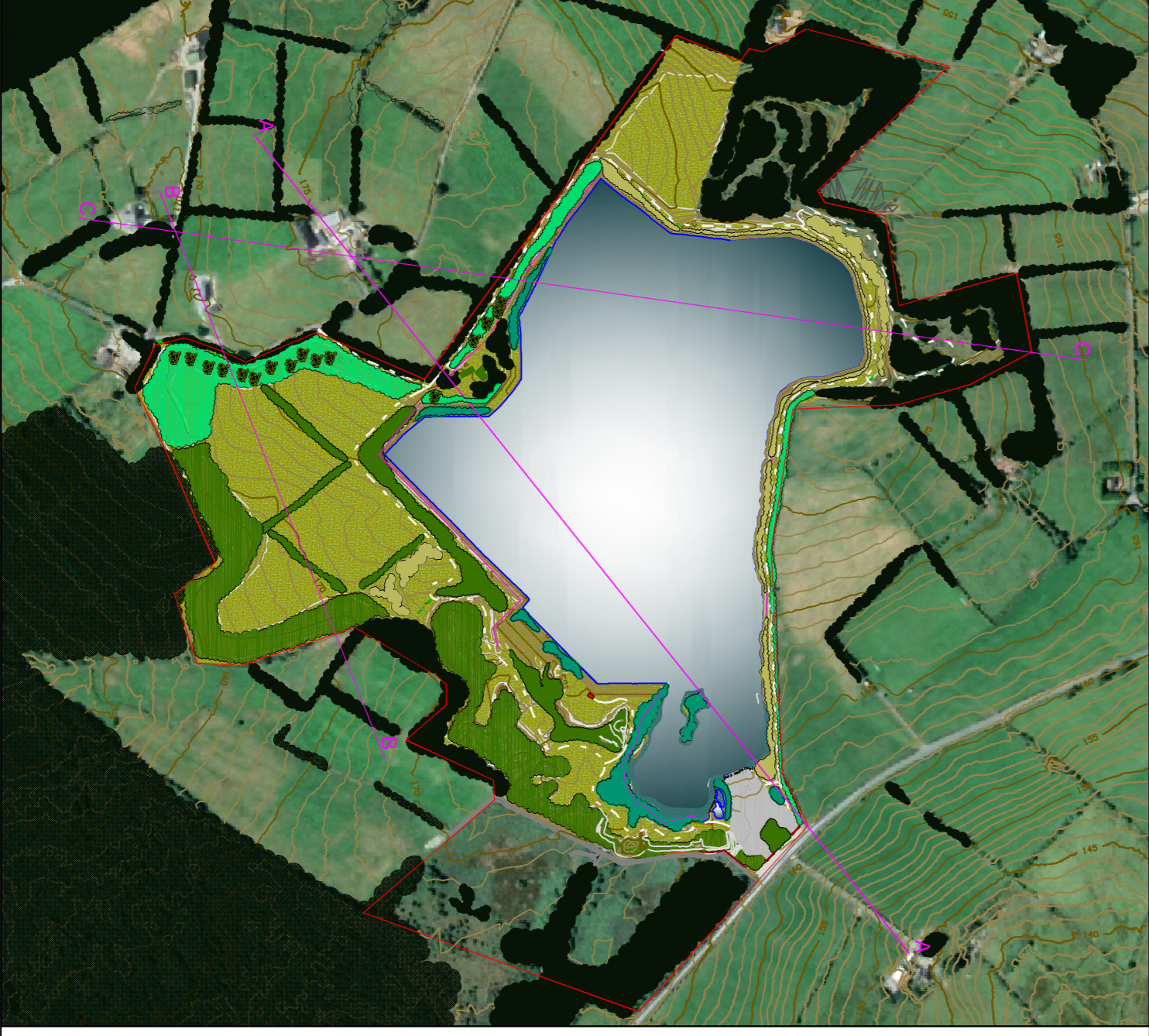
Much of the soil and overburden layers at this site have in the past been stripped and replaced with some pockets of original topsoil remaining intact. All soils to be utilized for future planting should be tested for pH, nutrient levels, and heavy metal content. If the soil is found to be deficient in any of these areas, it should be amended accordingly. The soil should be tested for pH, nutrient levels, and heavy metal content. If the soil is found to be deficient in any of these areas, it should be amended accordingly. The soil should be tested for pH, nutrient levels, and heavy metal content. If the soil is found to be deficient in any of these areas, it should be amended accordingly.

Proposed Woodland Planting

Vegetation: 1-3 (Establishment). Mainland shrub & woodland areas in a weed free condition (no herbicide application on site). Pure minor dogwood back to healthy wood and check for and treat disease. Cap up to replace damaged or felled plant material in accordance with the original planting specification, which shall form part of the management documentation. Check protective fencing, where used, and maintain in good condition. (See 4.10).

PLANTING DETAILS

Light Standard (8-10cm girth). The ground surface should be level and free of any obstructions. The plants should be planted at the correct depth and spacing. The plants should be watered regularly and protected from frost and drought. The plants should be monitored regularly and any problems should be reported immediately.



G1

Nurse Grassland Mixture. This mix is a simple combination of low growing grasses that produce a short, open sward which will allow natural regeneration and colonisation of species rich grassland with suppressing perennial weeds.

Typical Growth Rates

SPECIES	COMMON	YEAR 5	YEAR 10	YEAR 25	Maturity
Quercus robur	Oak	3m x 2cm	8m x 5m	12m x 6m	25m x 25m
Pinus sylvestris	Scots Pine	2.5m x 1m	8m x 4m	12m x 5m	30m x 10m
Betula pendula	Silver Birch	3m x 2cm	5m x 4m	10m x 5m	20m x 10m
Alnus glutinosa	Alder	3m x 2cm	5m x 4m	10m x 5m	5m x 5m

Advanced Planting /

Line of Sight Sections. The line of sight sections are shown in the plan view. The line of sight sections are shown in the plan view. The line of sight sections are shown in the plan view. The line of sight sections are shown in the plan view. The line of sight sections are shown in the plan view.

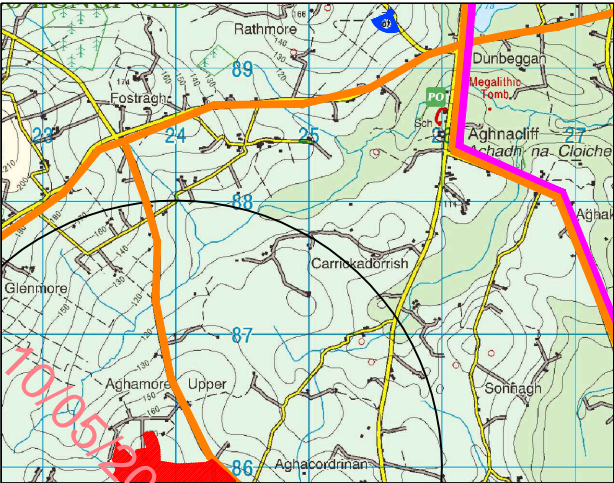




Eyelevel View

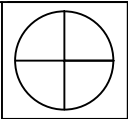


Panoramic View



Location:
Distance to Site Boundary:
Horizontal Angle of View:
Receptor Type:

Viewpoint 7
3626m
90 Degrees
Minor Road /
Church



Viewpoint 7 Southwest on L1026. Photo viewpoint in a Southerly direction from an elevated location on the L1026 at St. Thomas, Church of Ireland, Rathmore, Aughnaccliffe. Whilst the ZTVI suggests potential visibility, due to intervening vegetation the proposal will not be visible from this location.

Local Landscape & Visual Effect from this View		Magnitude		Predicted Effect		Magnitude		Predicted Effect	
Viewpoint	Landscape & Visual Sensitivity	(Establishment Stage)		(Establishment Stage)		(Operational Stage)		(Operational Stage)	
7	Medium (Landscape) Medium(Visual)	Medium	Moderate (A)	Low	Minor (A)	Very Low	Negligible (B)	Very Low	Negligible (B)
		Very Low	Negligible (A)	Very Low	Negligible (A)	Very Low	Negligible (B)	Very Low	Negligible (B)

Mitigation
From this location no additional visual mitigation is required.

client	Breedon	date	April 2023	scale	NTS@A3	by	pjm	notes	Top image represents an actual eyelevel impression of the view printed at A3 & read at approx arms length. (A) = Adverse (B) = Beneficial (N) = Neutral
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Photo Viewpoint 7

fig.9.12



Aughnaccliffe
Quarry Extension
Co Longford

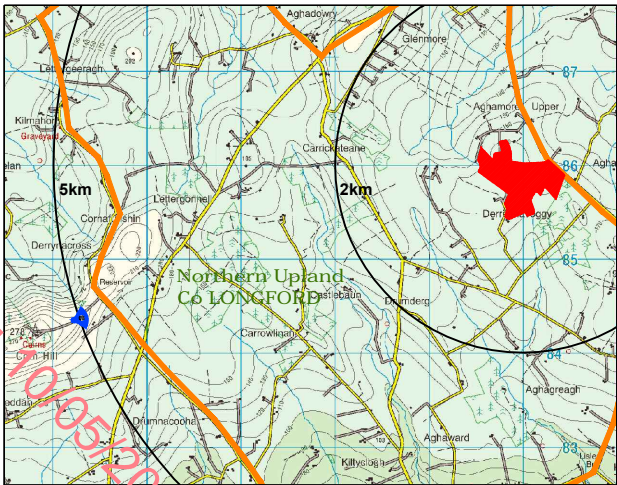
mullin
landscape architecture
559 Ormeau Road Belfast 07775752010
pete@mullin.ie mail@mullin.ie



Eyelevel View

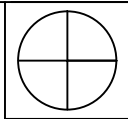


Panoramic View



Location:
Distance to Site Boundary:
Horizontal Angle of View:
Receptor Type:

Viewpoint 8
5152m
90 Degrees
Access Lane / Scenic Route



Viewpoint 8 North from access lane off L1031. Photo viewpoint in a Northerly direction from an elevated location off the L1031 at Corn Hill. Whilst the ZTVI suggests potential visibility, due primarily to distance, both the proposed development and the existing operation are difficult to distinguish from this location. The proposals include relocation of stripped overburden partially visible from this location which would be planted with woodland species for habitat benefit.

Local Landscape & Visual Effect from this View		Magnitude		Predicted Effect		Magnitude		Predicted Effect		Mitigation
Viewpoint	Landscape & Visual Sensitivity	(Establishment Stage)	(Establishment Stage)	(Operational Stage)	(Operational Stage)	(Restoration Stage)	(Restoration Stage)	(Restoration Stage)	(Restoration Stage)	
8	Medium (Landscape) Medium(Visual)	Medium	Moderate (A)	Low	Minor (A)	Very Low	Negligible (B)	Very Low	Negligible (B)	Relocation of stripped overburden to the south of the application area with woodland planting will result in establishment of a substantial screening.
		Very Low	Negligible (A)	Very Low	Negligible (A)	Very Low	Negligible (B)	Very Low	Negligible (B)	
client		date		scale		by		notes		
Breedon		Feb 2023		NTS@A3		pjm		Top image represents an actual eyelevel impression of the view printed at A3 & read at approx arms length. (A) = Adverse (B) = Beneficial (N) = Neutral		

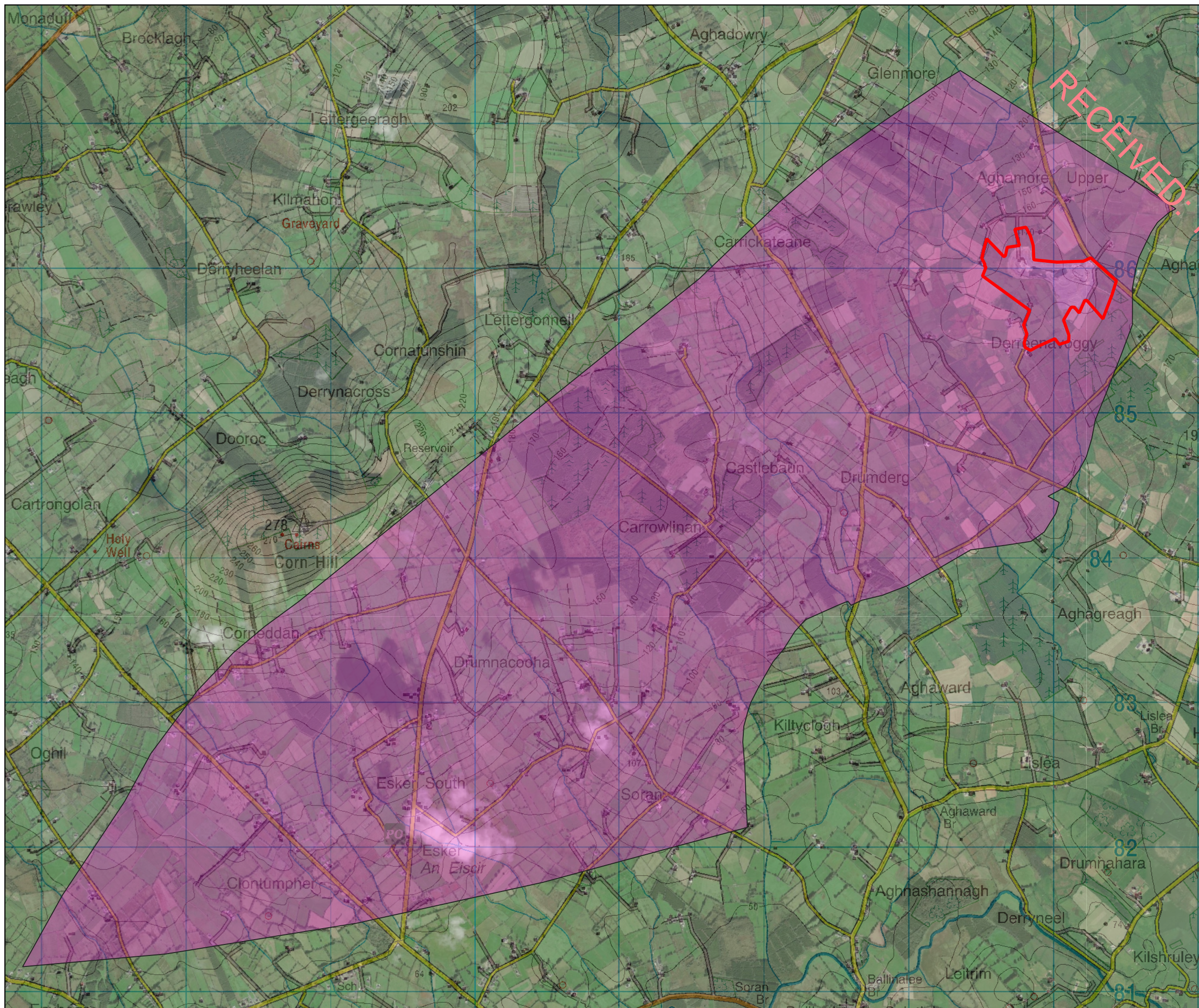
Photo Viewpoint 8

fig.9.13



Aughnacliffe
Quarry Extension
Co Longford

mullin
landscape architecture
559 Ormeau Road Belfast 07775752010
pete@mullin.ie mail@mullin.ie



Boundary



Carrickateer



Upper

Aghad

10/05/2023

Legend

-  Proposed Planning Application Boundary
-  Carrickateane Formation

	
<p>Contains OSI Data 1:50-000 Map Data</p>	
<p>Title: Aughnaccliffe Quarry and Carrickateane Quarry</p>	
<p>Scale: 1:25,000@A3</p>	
<p>Dwg. No.: Figure 2.1</p>	
<p>Drawn By: CST</p>	<p>Date: 13/10/2022</p>