

General Notes

A/1	Alterations etc				
P/1	Alterations				
AMENDMENTS					
C/D	CONSTRUCTION- ISSUE				
T/D	TENDER- ISSUE				
A/D	APPROVED- ISSUE				
P/D	PRELIMINARY- ISSUE				
No.	Drawing Stage / Revision	DRAWN BY	CHECKED BY	DATE	

FILENAME: g:\01 - new roads folder\02 engineering\01 national\02 n16\10 fencing retrofit\2026\16 r283 junction\03. tender documents\02. vol a -work requirements\02. vol a - book 2 drawings\location map.dwg

PROJECT STAGE: **PRELIMINARY** ORIGINAL SHEET SIZE: **A3**


Coastal Planning and Development Authority
An Oifig Teoranta
Anas an Chontae
Cora Droma Ráise
Chontae Ráibema
Economic Development, Planning and Infrastructure Services
Director of Services : Mr Joseph Gilhooly


Design Office
An Oifig Teoranta
Teach an Dúna Síce
Cora Droma Ráise
Chontae Ráibema
Design Office
Park Lane House
Carrick-on-Shannon
County Leitrim

DRAWING DATE 01/04/2026	PLOT DATE/TIME: 25/08/2026
SCALE: 1:20,000	O.S. SHEET REF:

PROJECT TITLE
N16 Fence Retrofitting Scheme

DRAWING TITLE
Location Map

DRAWING NUMBER:
LM 203/1784-000

REV.
P/0

General Notes

A/1	Alterations etc				
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PROJECT STAGE
PRELIMINARY

ORIGINAL
SHEET SIZE
A3



Comhairle Chontae Leitrim
An Oifig Leathla
Aras an Chontae
Cora Droima Ráise
Chontae Leitrim

Leitrim County Council
Design Office
Aras an Chontae
Carrick-on-Shannon
County Leitrim

Economic Development, Planning and Infrastructural Services
Director of Services : Mr Joseph Gilhooly



An Oifig Leathla
Teach an Laina Ráise
Cora Droima Ráise
Chontae Leitrim

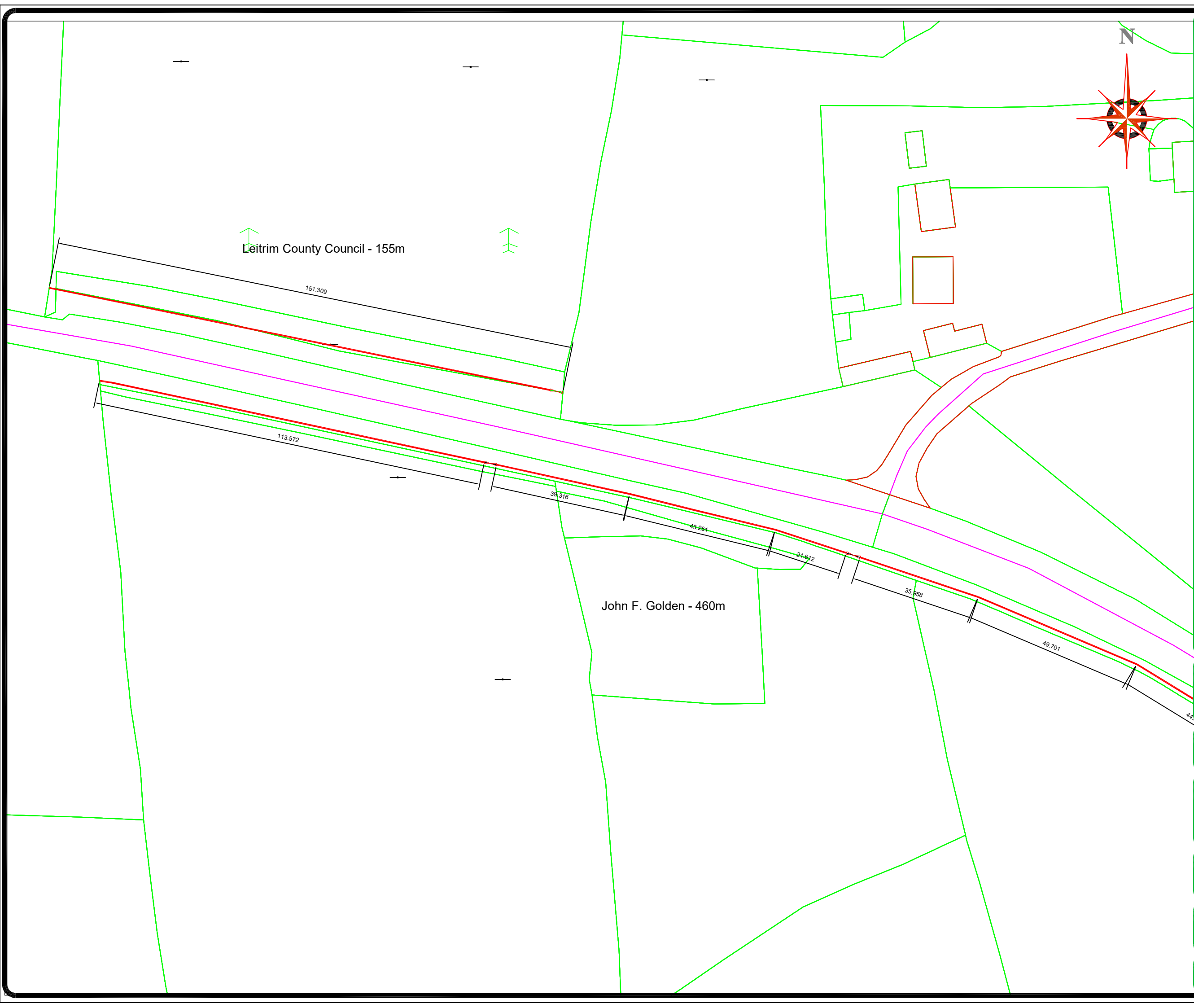
Design Office
Park Lane House
Carrick-on-Shannon
County Leitrim

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PROJECT TITLE
N16 Fence Retrofitting Scheme

DRAWING TITLE
N16LM_FE01 & N16LM_FE02

DRAWING NUMBER: LM 203/1784-001	REV. P/0
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General Notes

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PROJECT STAGE
PRELIMINARY

ORIGINAL SHEET SIZE
A3



Comhairle Cheantae Teithim
An Oifig Leasla
Anas an Cheantae
Cora Droima Ráise
Cheantae Teithim

Teithim County Council
Design Office
Anas an Cheantae
Carrick-en-Shannoe
County Teithim

Economic Development, Planning and Infrastructural Services
Director of Services : Mr Joseph Gilhooly



Design Office

An Oifig Leasla
Teach an Laina Ráise
Cora Droima Ráise
Cheantae Teithim

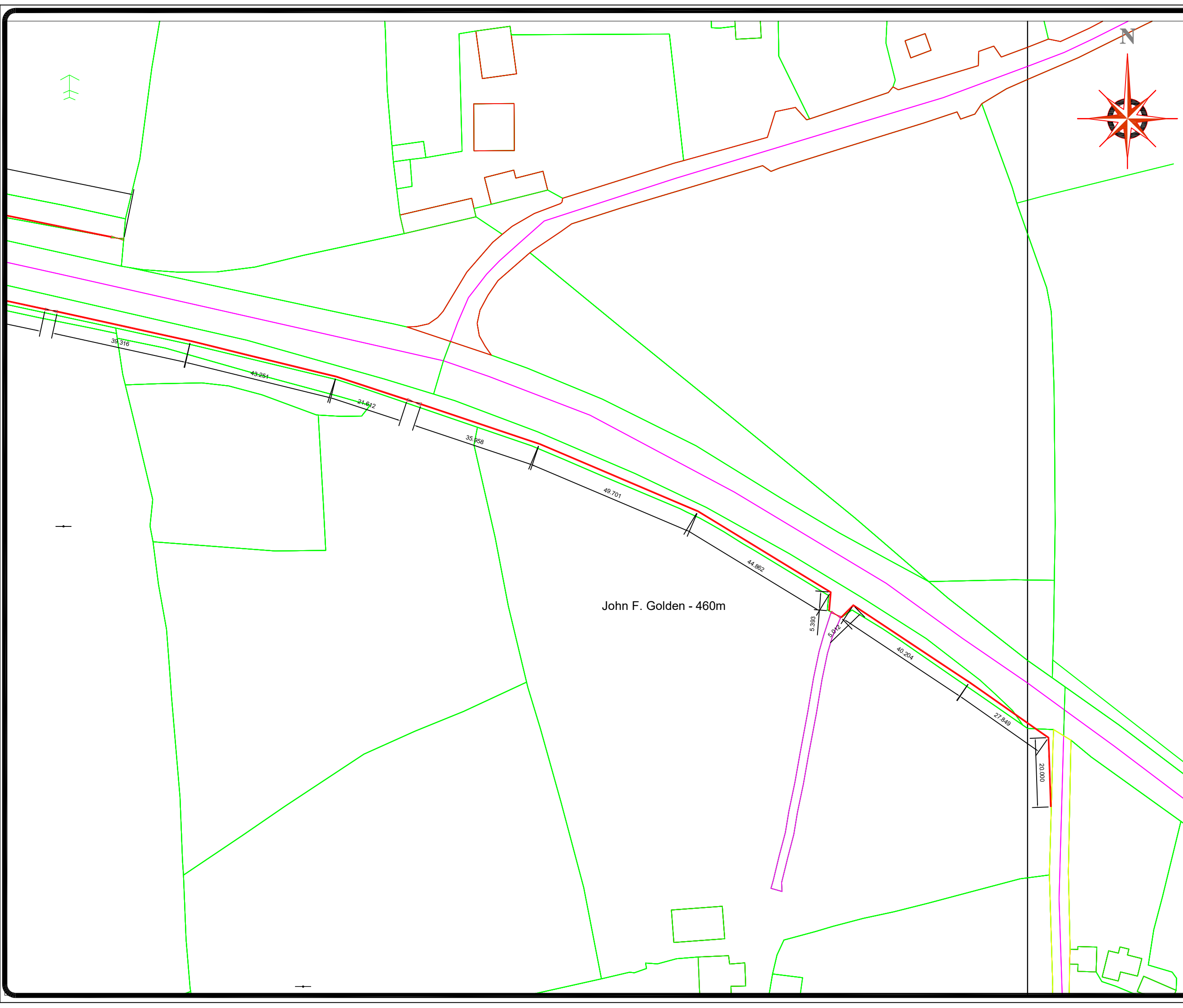
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Park Lane House
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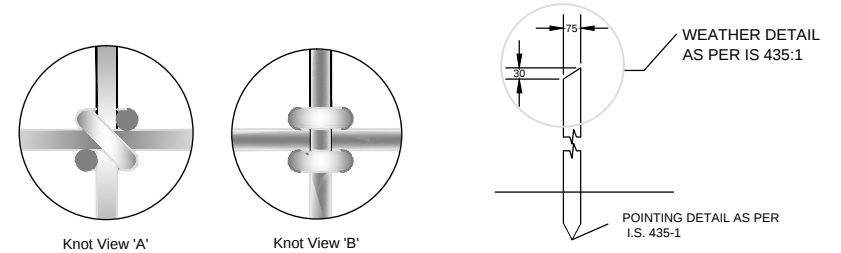
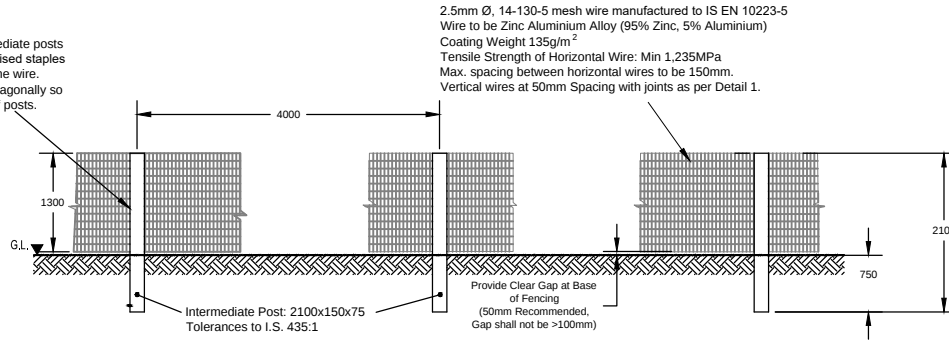
PROJECT TITLE
N16 Fence Retrofitting Scheme

DRAWING TITLE
N16LM_FE01 & N16LM_FE02

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Mesh shall be fixed to intermediate posts using 40mm x 4mm Ø galvanised staples on every second horizontal line wire. Staples to be hammered in diagonally so as to limit potential splitting of posts.



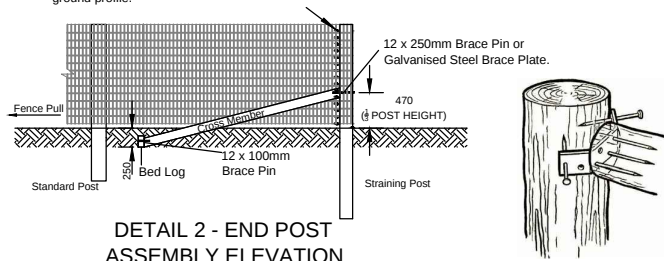
DETAIL 1 - JOINTS

SECTION 1 - POINTING DETAIL

NOTES:

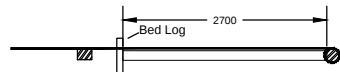
- FENCES SHALL BE CONSTRUCTED AND ERECTED IN ACCORDANCE WITH CC-SPW-00300 & CC-GSW-00300.
- ANY LENGTH OF FENCING (INCLUDING BRANCHES OR SPURS) SHALL START AND END WITH A STRAINING POST. ADDITIONAL STRAINING POSTS SHALL BE PROVIDED AT FENCE JUNCTIONS, CORNERS AND WHERE CURVES AND ANGLES EXCEED 10°. STRAINING POSTS ARE TO BE PROVIDED AT MAX 150m SPACING. WHERE A FENCE CROSSES A LANDOWNER BOUNDARY (I.E. CHANGE IN OWNERSHIP AND BOUNDARY) AN ADDITIONAL STRAINING POST SHALL BE LOCATED ON THE BOUNDARY CENTER.
- WHERE STRAINING AND INTERMEDIATE POSTS ARE TO BE DRIVEN, THEY SHOULD BE POINTED AS PER SECTION 1.
- STANDARD POST HOLES FALLING IN ROCK TO BE EXCAVATED TO THE DEPTH SHOWN ON THIS DRAWING OR, WITH THE EMPLOYERS REPRESENTATIVES APPROVAL, TO A DEPTH OF 0.5m, AND SHALL BE BACK FILLED WITH MIX ST2 CONCRETE. IN ACCORDANCE WITH IS EN 206-1. WHERE A REDUCED DEPTH OF HOLE IS AGREED, THE TOP OF THE POST SHALL BE SUITABLY CUT AND TREATED IN ACCORDANCE WITH THE RECOMMENDATIONS OF IS 435. END POST HOLES TO BE EXCAVATED TO 1.10m.
- ALL FENCE POSTS SHALL BE TREATED WITH PRESERVATIVE IN ACCORDANCE WITH ANNEX B OF IS 435:1.
- WHEN THE GROUND CROSS-FALL ACROSS A SECTION OF FENCE EXCEEDS 1:4, THE PERMANENT FENCE & FENCING POST HEIGHTS SHALL BE INCREASED BY A MINIMUM OF 0.25m
- CURVES SHOULD BE AVOIDED WHERE POSSIBLE. WHERE A CURVE CANNOT BE AVOIDED THE WIRE SHOULD ALWAYS BE ON THE OUTSIDE OF THE CURVE WITH THE WIRE PRESSING AGAINST THE POST (REFER FIG 1).
- WHERE A CURVE CANNOT BE AVOIDED AND THE CHANGE IN DIRECTION MEASURED AT EACH POST WITHIN THE CURVE IS GREATER THAN 10°, THE INTERMEDIATE POSTS SHALL BE REPLACED WITH STRAINING POSTS AND THE SPACING BE REDUCED TO 2M UNTIL THE CHANGE IN DIRECTION MEASURED AT THE POST IS <10°. SEE DETAIL 5.
- WHERE A CHANGE IN HORIZONTAL DIRECTION OF THE FENCE LINE IS GREATER THAN 30° A DOUBLE END POST ASSEMBLY SHOULD BE INSTALLED E.G. AT FIELD CORNERS.
- WIRE MESH SHOULD BE TERMINATED AT AN END POST BY WRAPPING THE HORIZONTAL LINE WIRES AROUND THE END POST FIVE TIMES AND SECURING THEM BACK ONTO THEMSELVES. ALTERNATIVELY, GRIPPLE T-CLIPS OR SIMILAR WIRE JOINING DEVICES CAN BE USED FOR THIS PURPOSE. THE WIRE SHOULD NOT BE STAPLED TO THE END POST AS THEY MAY CAUSE ROTATION OF THE STRAINING POST.
- WIRE MESH SHALL BE SECURED TO THE FIELD SIDE OF POSTS (SEE NOTE 7 FOR EXCEPTION) WITH WIRE STAPLES ON EVERY SECOND WIRE HORIZONTALLY. WIRE STAPLES SHALL BE GALVANISED 40mm x 4mm ROUND.
- WHERE 2 SECTIONS OF THE WIRE MESH ARE TO BE JOINED, CRIMPING SLEEVES OR GRIPPLE-TYPE WIRE JOINERS ARE TO BE USED.
- THE RECOMMENDED TENSION FOR THE WIRE MESH IS 45kg/m PER LINE WIRE. MESH IS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND TENSION CHECKED ON SITE BY AUTHORITIES REP.
- WHERE THE FENCE IS REQUIRED TO BE MAMMAL RESISTANT, THE DETAIL IN CC-SCD-00324 SHALL BE USED.
- WHERE THE FENCE IS REQUIRED TO TRAVERSE AN UNEVEN GROUND PROFILE, THE CONTRACTOR SHALL PRE-CLEAR A SMOOTH PATH FOR THE FENCE PRIOR TO ITS INSTALLATION. ADDITIONAL STRAINING POSTS WILL BE REQUIRED AT PEAKS AND TROUGHS IN AREAS OF SHARPLY UNDULATING TERRAIN TO PREVENT ANY SLACKNESS DEVELOPING IN THE FENCE. SUCH ADDITIONAL STRAINING POSTS TO BE FOUNDED IN MIX ST2 CONCRETE, IN ACCORDANCE WITH IS EN 206-1 TO AVOID THE RISK OF BECOMING LOOSE OVER THE LIFE OF THE FENCE. THE FENCE SHALL BE CUT AND RE-TENSIONED AT EACH ADDITIONAL STRAINING POST. AS GUIDANCE, IT IS NOT RECOMMENDED TO EXCEED A 4° CHANGE IN VERTICAL DIRECTION WHERE 4M POST SPACING IS PROVIDED. IN AREAS OF POOR GROUND, INTERMEDIATE POST SPACING SHALL BE REDUCED TO 2M CENTERS AND 2.5m X 0.17m DIAMETER POSTS SHALL BE USED TO PROVIDE ADDITIONAL RIGIDITY TO THE FENCE. WHERE THE PERFORMANCE OF THE FENCE MAY BE COMPROMISED BY POOR GROUND CONDITIONS, THE EXISTING GROUND SHALL BE EXCAVATED AND REINSTATED AS PER CC-SPW-00300.

All straining posts to be 2500mm (min) x 170mm (+/- 3mm) 'machined' posts with a regular cylindrical diameter. Irregular, 'Cundy Peeled' or 'Rough round' type posts will not be acceptable. See Note 10 for fence termination guidance. All straining posts to be installed perpendicular to ground profile.

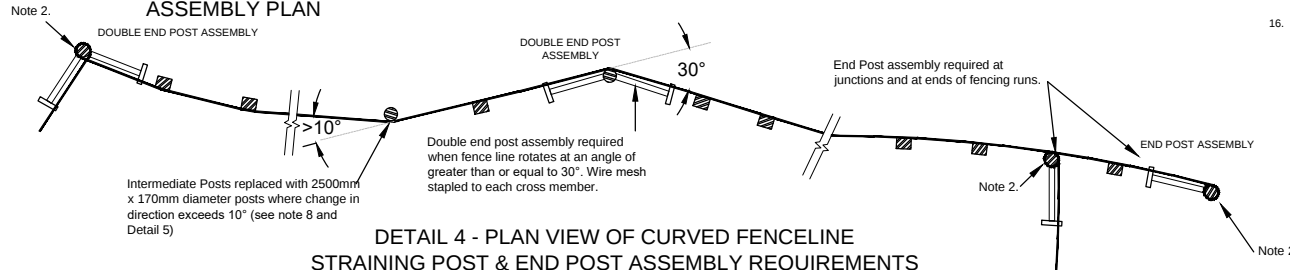


End Assembly Details		
Item	Quantity	Description
End Posts / Straining Posts	1	2500mm x 170mm (+/- 3mm) Ø Timber Post
Cross Member	1	2700mm x 100mm (+/- 3mm) Ø Timber post
Brace Pin	1	12mm x 250mm Galvanised Pin
	1	12mm x 100mm Galvanised Pin
Galvanised Steel Brace Plate	1	1.8mm min Thick Galvanised Steel Brace Plate
	5 minimum	100mm x 4mm Galvanised Round Wire Fencing Nails
Bed Log	1	150mm x 75mm x 900mm minimum Timber post
Gripple T-Clips	13	Galvanised Wire Joiners

DETAIL 2 - END POST ASSEMBLY ELEVATION



DETAIL 3 - END POST ASSEMBLY PLAN



DETAIL 4 - PLAN VIEW OF CURVED FENCELINE
STRAINING POST & END POST ASSEMBLY REQUIREMENTS