



Mayo County Council

Derrinumbera Sludge Hub Centre & Leachate Treatment Facility

APPLICATION FOR REVIEW OF DERRINUMERA WASTE LICENCE W021-01

VOLUME III: DRAWINGS

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May, 2007

TOBIN CONSULTING ENGINEERS



COMHAIRLE CONTAE MHAIGH EO MAYO COUNTY COUNCIL



DERRINUMERA SUDGE HUB CENTRE & LEACHATE TREATMENT FACILITY

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APPLICATION FOR REVIEW OF DERRINUMERA WASTE LICENCE W0021-01

VOLUME III : W.L.A. DRAWINGS

MAY 2007

Mr. J. Beirne, B.E., M.I.E., C.Eng., Eur. Ing., F.I.E.I., M.C.I.W.E.M.,
DIRECTOR OF SERVICES & COUNTY ENGINEER,
MAYO COUNTY COUNCIL.

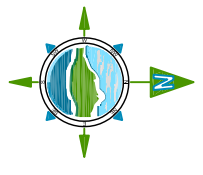
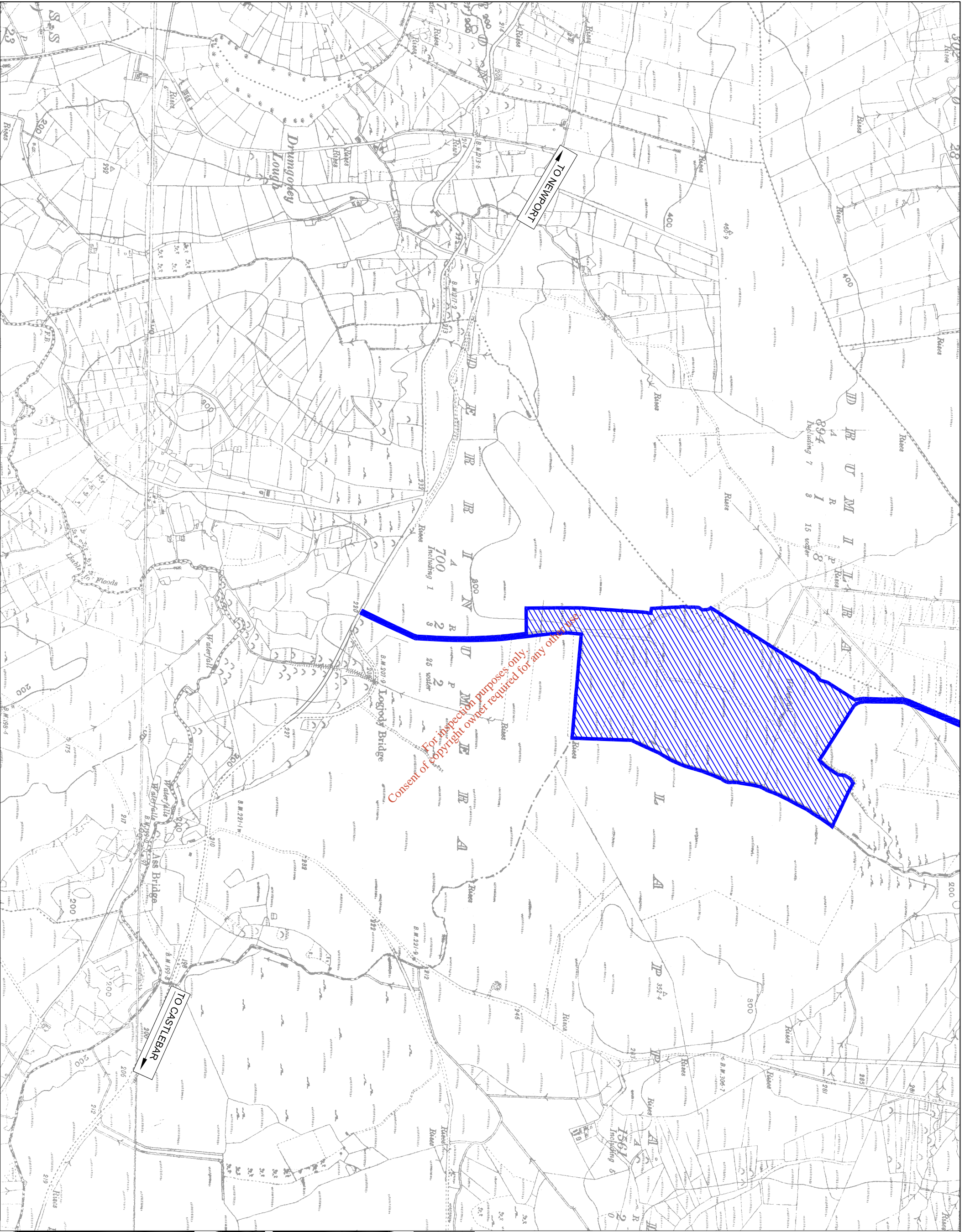


TOBIN Consulting Engineers
GALWAY, CASTLEBAR, DUNDALK,
LIMERICK, DUBLIN & CORK

DERRINUMERA SLUDGE HUB CENTRE & LEACHATE TREATMENT FACILITY - APPLICATION FOR REVIEW OF WASTE LICENCE W0021-01
VOLUME III MAY 2007 - DRAWING INDEX

| DWG.NO..... | DWG. TITLE..... | DWG.NO..... | DWG. TITLE..... | DWG.NO..... | DWG. TITLE..... | DWG.NO..... | DWG. TITLE..... |
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LANDS OWNED BY
MAYO CO. CO.

| Issue | Date | Description | By | CHKD. |
|-------|----------|--------------|------|--------|
| A | APRIL 07 | CLIENT ISSUE | R.K. | M.F.G. |

Client:
MAYO COUNTY COUNCIL

Project:
**DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01**

Title:
OWNERSHIP PLAN

Scale @ A3:
1 : 10,000

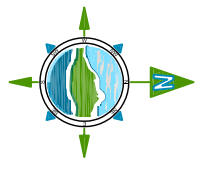
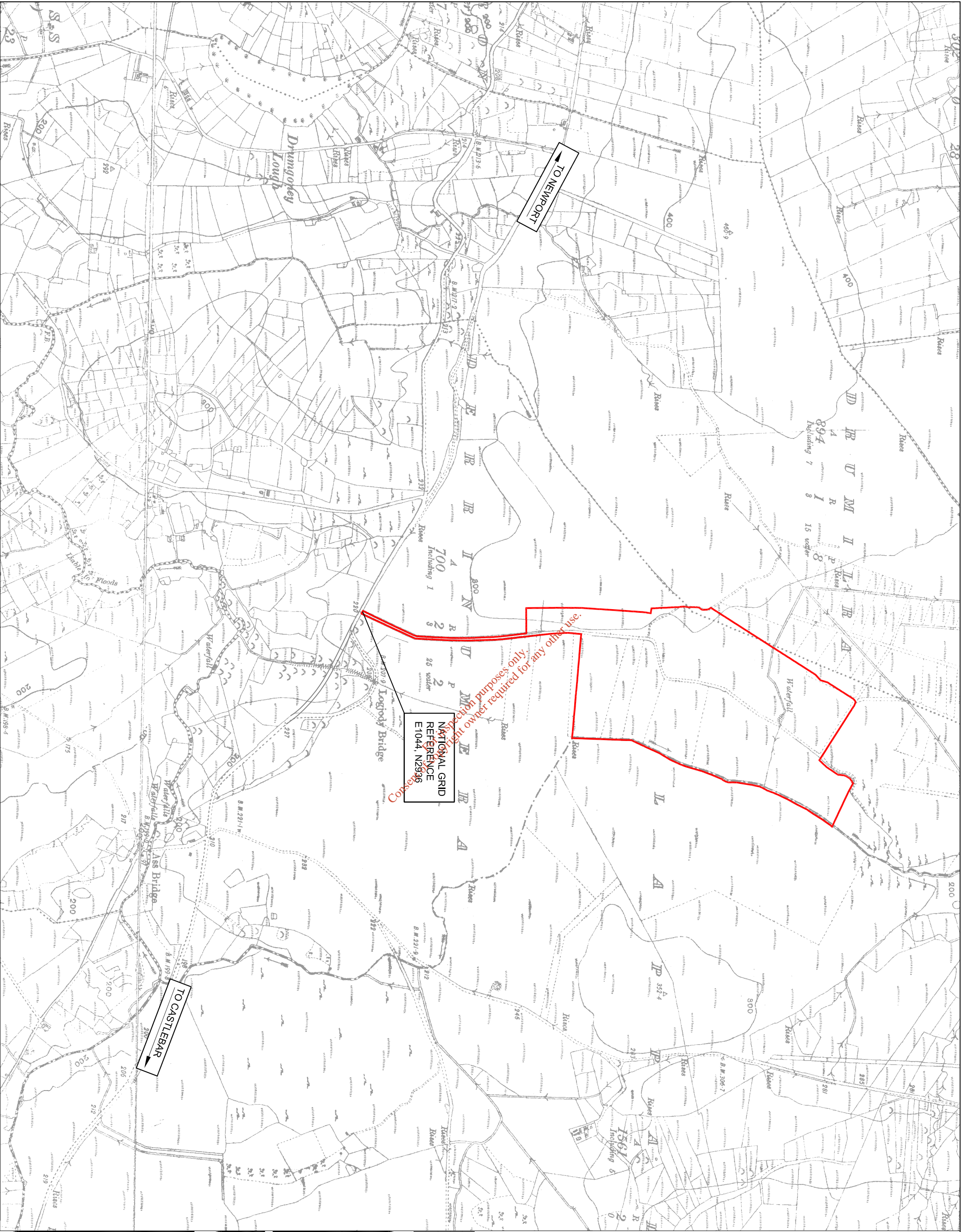
Prepared by: M.F.G. Date: APRIL 07
 Checked: M.F.G. Date: APRIL 07
 Project Director: MICHAEL F. GARRICK



TOBIN
Patrick J. Tobin & Co. Ltd.
Tobin Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-9071401
Fax: +353-(0)94-9071534
e-mail: info@tobin.ie
www.tobin.ie

Drawing No.: **1908 - 2400**

Issue: **A**



PROPOSED NEW
SITE BOUNDARY

| Issue | Date | Description | By | CHKD. |
|-------|----------|--------------|------|--------|
| A | APRIL 07 | CLIENT ISSUE | R.K. | M.F.G. |

Client:
MAYO COUNTY COUNCIL

Project:
**DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01**

Title:
SITE PLAN

Scale @ A3: **1 : 10,000**

Prepared by: **M.F.G.** Date: **APRIL 07**

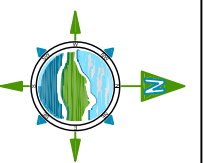
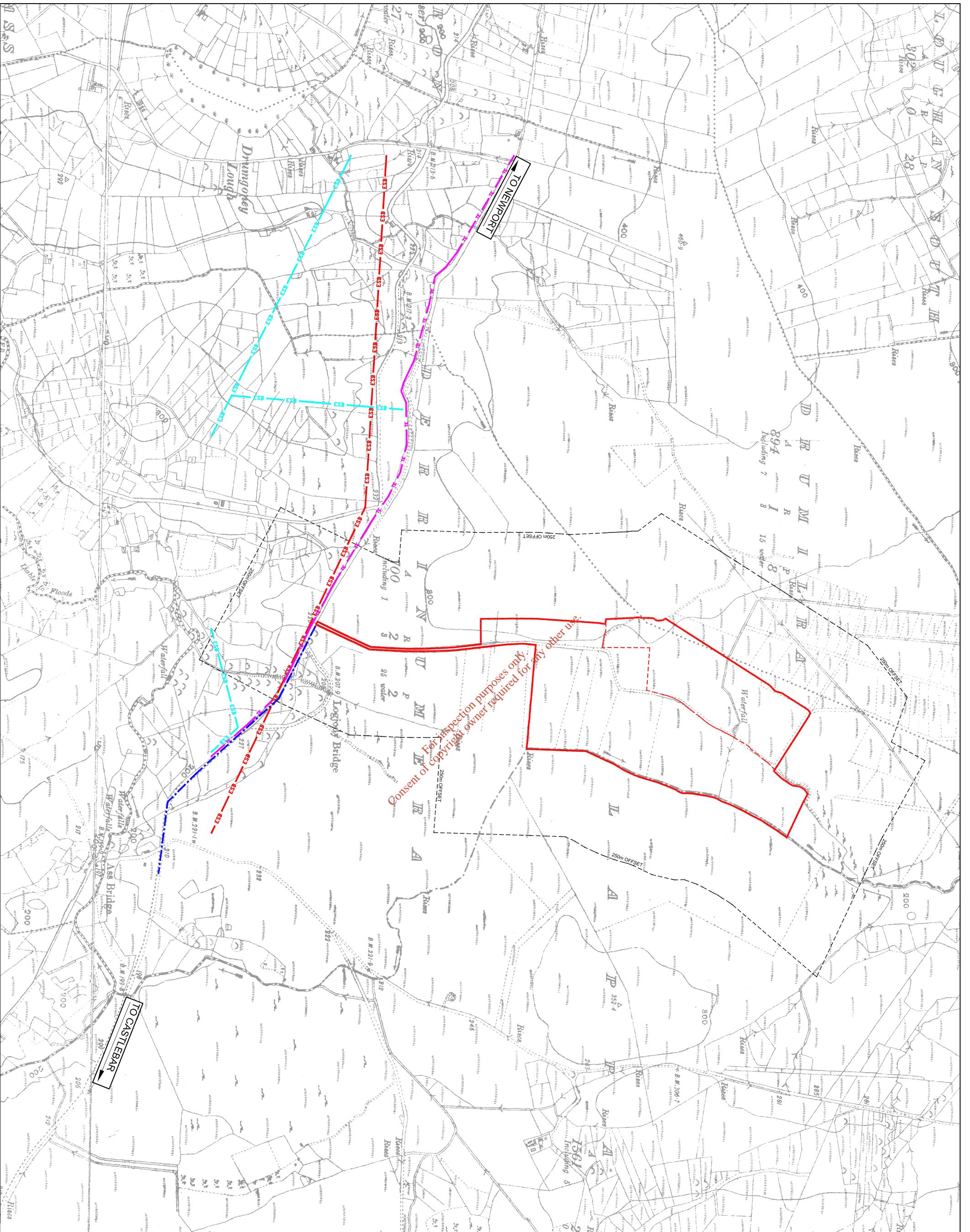
Checked: **M.F.G.**







Project Director: **MICHAEL F. GARRICK**

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Patrick J. Tobin & Co. Ltd.
TOBIN Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-9071401
Fax: +353-(0)94-9071634
e-mail: info@tobin.ie
www.tobin.ie

Drawing No.: **1908 - 2401**

Issue: **A**



-  PROPOSED NEW SITE BOUNDARY
-  EXISTING LICENSED SITE BOUNDARY
-  EXISTING 36kV OVERHEAD CABLE
-  EXISTING 2X25 SCA OVERHEAD DISTRIBUTION CABLE
-  EXISTING TELECOM EIREANN OVERHEAD CABLE
-  PROPOSED WATERMAIN FROM ISLANDEADY GROUP WATER SCHEME

| Issue | Date | Description | By | CHKD. |
|-------|----------|-----------------|----|-------|
| B | MAY 07 | WATERMAIN ADDED | MH | MFG |
| A | APRIL 07 | CLIENT ISSUE | RK | MFG |

Client:
MAYO COUNTY COUNCIL

Project:
DERRINUMERA SHC & LTF - APPLICATION FOR REVIEW OF WASTE LICENCE W0021-01

Title:
SERVICES PLAN

Scale @ A3:
1 : 10,000

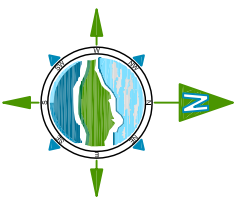
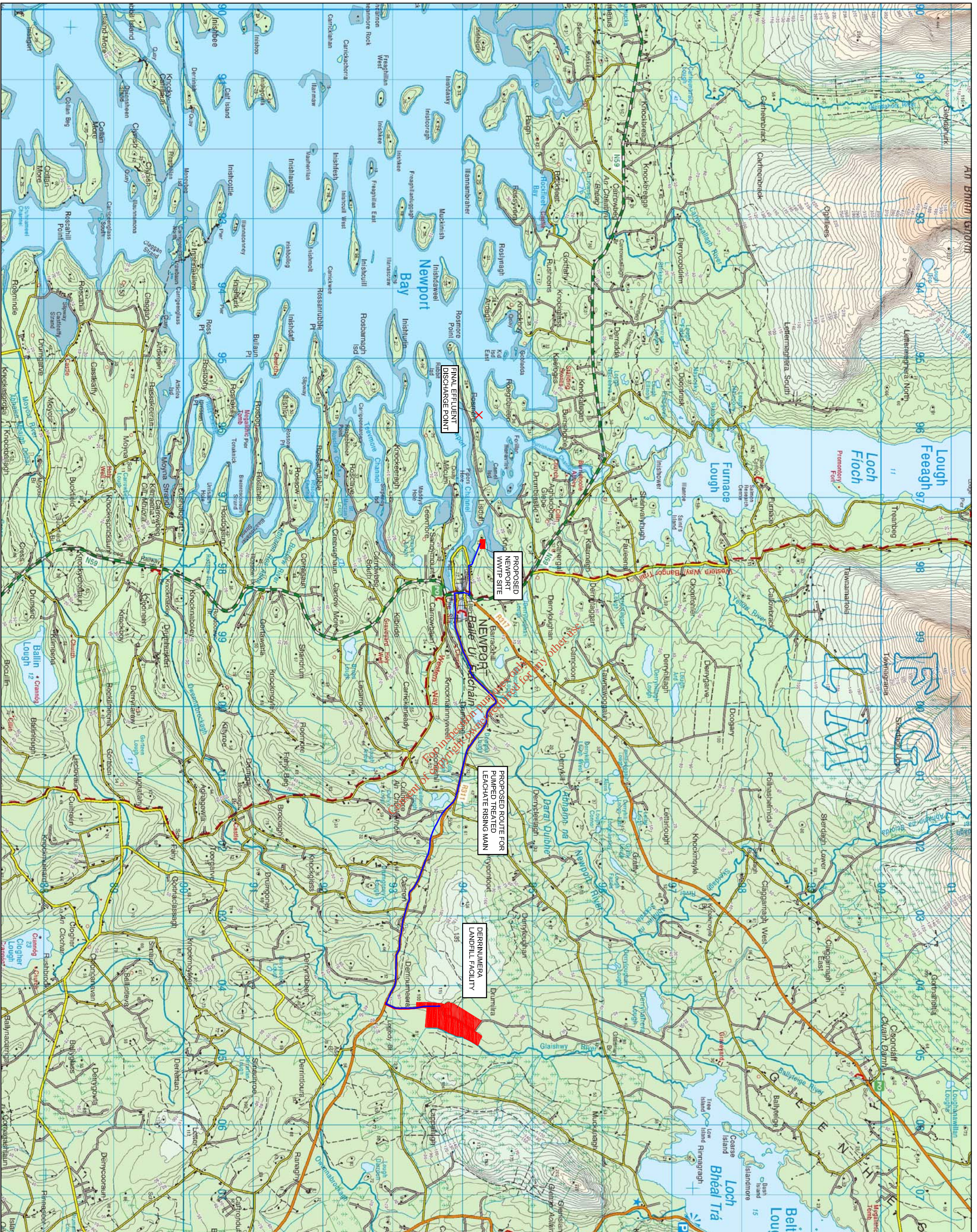
Prepared by: MFG
Checked: APRIL 07
Date: APRIL 07
Project Director: MICHAEL F. GARRICK



TOBIN
Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-4071401
Fax: +353-(0)94-4071534
e-mail: info@tobin.ie
www.tobin.ie

Drawing No.: **1908 - 2402**

Issue: **B**



LEGEND:
 PROPOSED TREATED LEACHATE RISING MAIN

- NOTES**
1. FOUDED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
 2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
 3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
 4. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MAIN HEAD

| Issue | Date | Description | By | CHKD |
|-------|----------|------------------|------|--------|
| B | MAY 07 | COLOR ADJUSTMENT | M.H. | M.F.G. |
| A | APRIL 07 | CLIENT ISSUE | M.H. | M.F.G. |

Client:
MAYO COUNTY COUNCIL

Project:
DERRINUMERA SHC & LTF - APPLICATION FOR REVIEW OF WASTE LICENCE W0021-01

Title:
ROUTE SELECTION OF PROPOSED TREATED LEACHATE RISING MAIN FROM LEACHATE TREATMENT FACILITY

Scale @ A3: 1 : 50,000

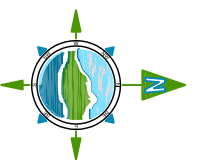
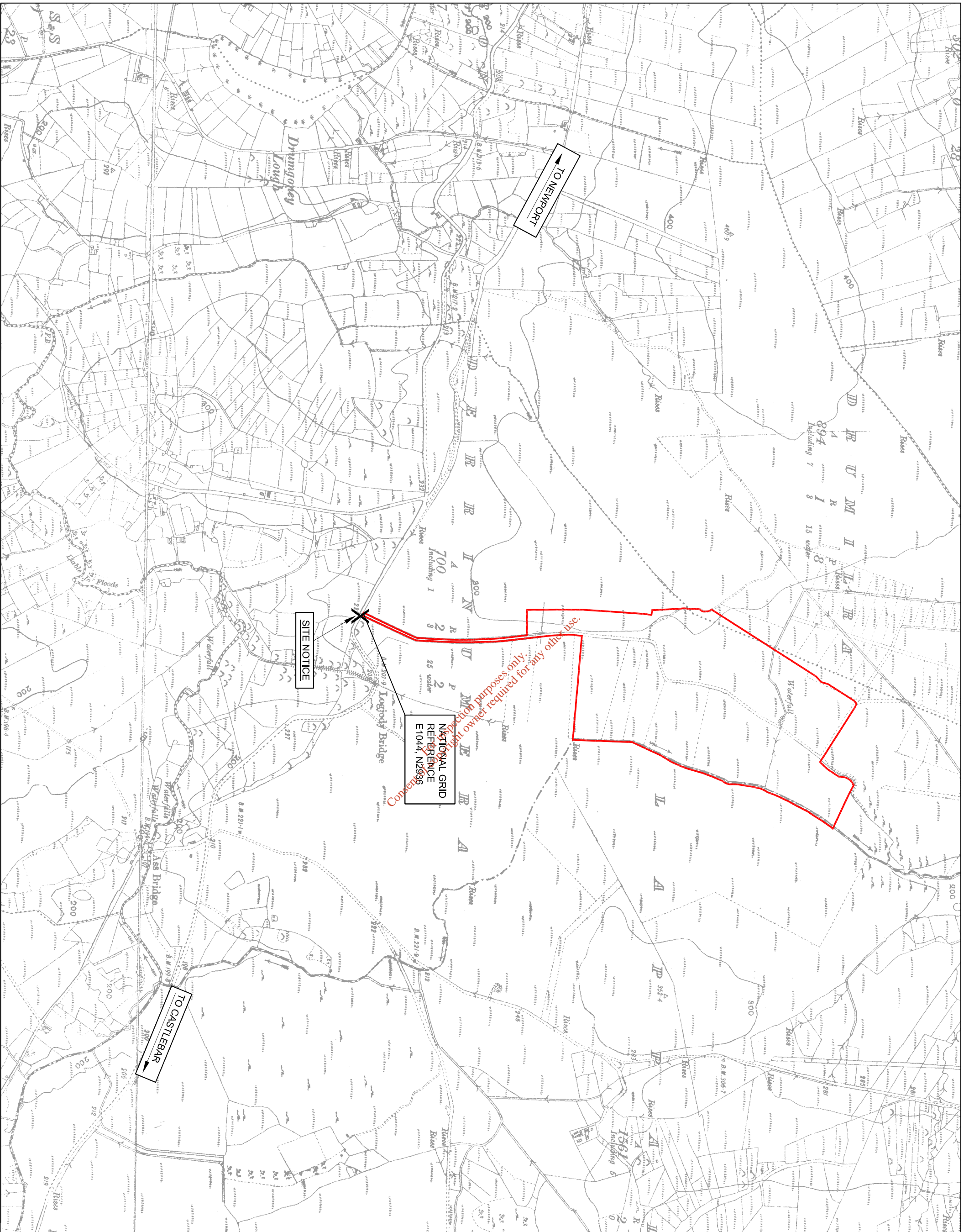
Prepared by: M.H. Checked: M.F.G. Date: APRIL 07

Project Director: MICHAEL F. GARRICK



TOBIN Consulting Engineers,
 Market Square, Castlebar,
 Co. Mayo, Ireland
 Tel: +353-098-4071401
 Fax: +353-098-4071534
 Email: info@tobin.ie
 www.tobin.ie

Drawing No.: **1908 - 2403** Issue: **B**



PROPOSED NEW
SITE BOUNDARY



LOCATION OF
SITE NOTICE

| Issue | Date | Description | By | CHKD. |
|-------|----------|----------------------|------|--------|
| B | MAY 07 | GRID REFERENCE ADDED | MH | MFG |
| A | APRIL 07 | CLIENT ISSUE | R.K. | M.F.G. |

Client:
MAYO COUNTY COUNCIL

Project:
**DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01**

Title:
**LOCATION OF
SITE NOTICE**

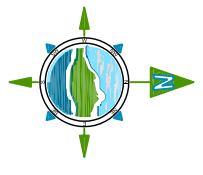
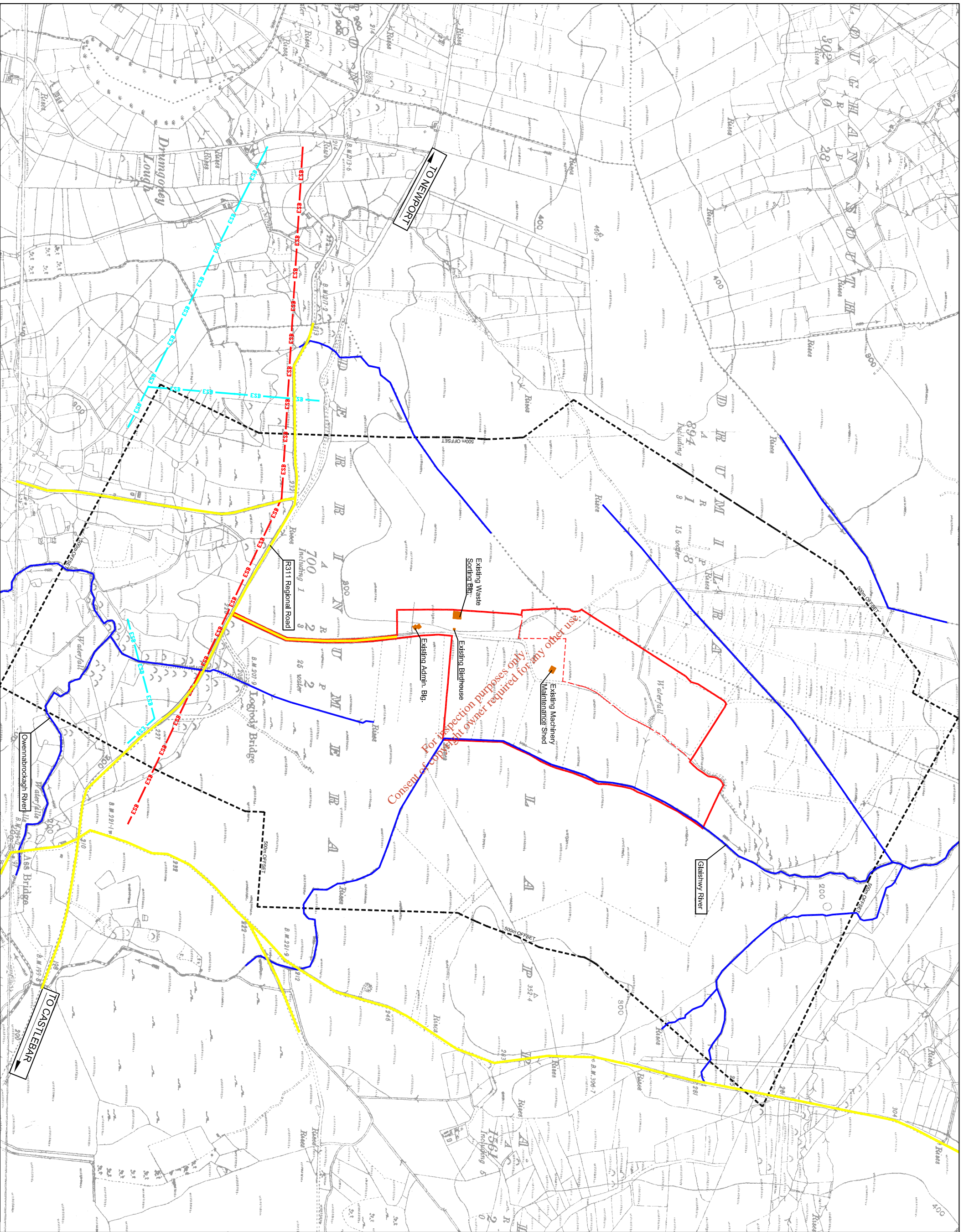
Scale @ A3: **1 : 10,000**

| | | |
|-------------------|--------------------|----------|
| Prepared by: | Checked: | Date: |
| R.K. | M.F.G. | APRIL 07 |
| Project Director: | MICHAEL F. GARRICK | |



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Patrick J. Tobin & Co. Ltd.
TOBIN Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-4021401
Fax: +353-(0)94-4021534
e-mail: info@tobin.ie
www.tobin.ie

Drawing No.: **1908 - 2404** Issue: **B**



- PROPOSED NEW SITE BOUNDARY
- EXISTING LICENSED SITE BOUNDARY
- EXISTING 35kV OVERHEAD CABLE
- EXISTING 2x25 SCA OVERHEAD DISTRIBUTION CABLE
- NATURAL WATER-COURSES
- EXISTING ROADS / TRACKS
- EXISTING BUILDINGS

| Issue | Date | Description | By | CHKD. |
|-------|--------|--------------|----|-------|
| A | MAY 07 | CLIENT ISSUE | MH | MFG |

Client:
MAYO COUNTY COUNCIL

Project:
DERRINUMERA SHC & LTF - APPLICATION FOR REVIEW OF WASTE LICENCE W0021-01

Title:
LOCATION MAP

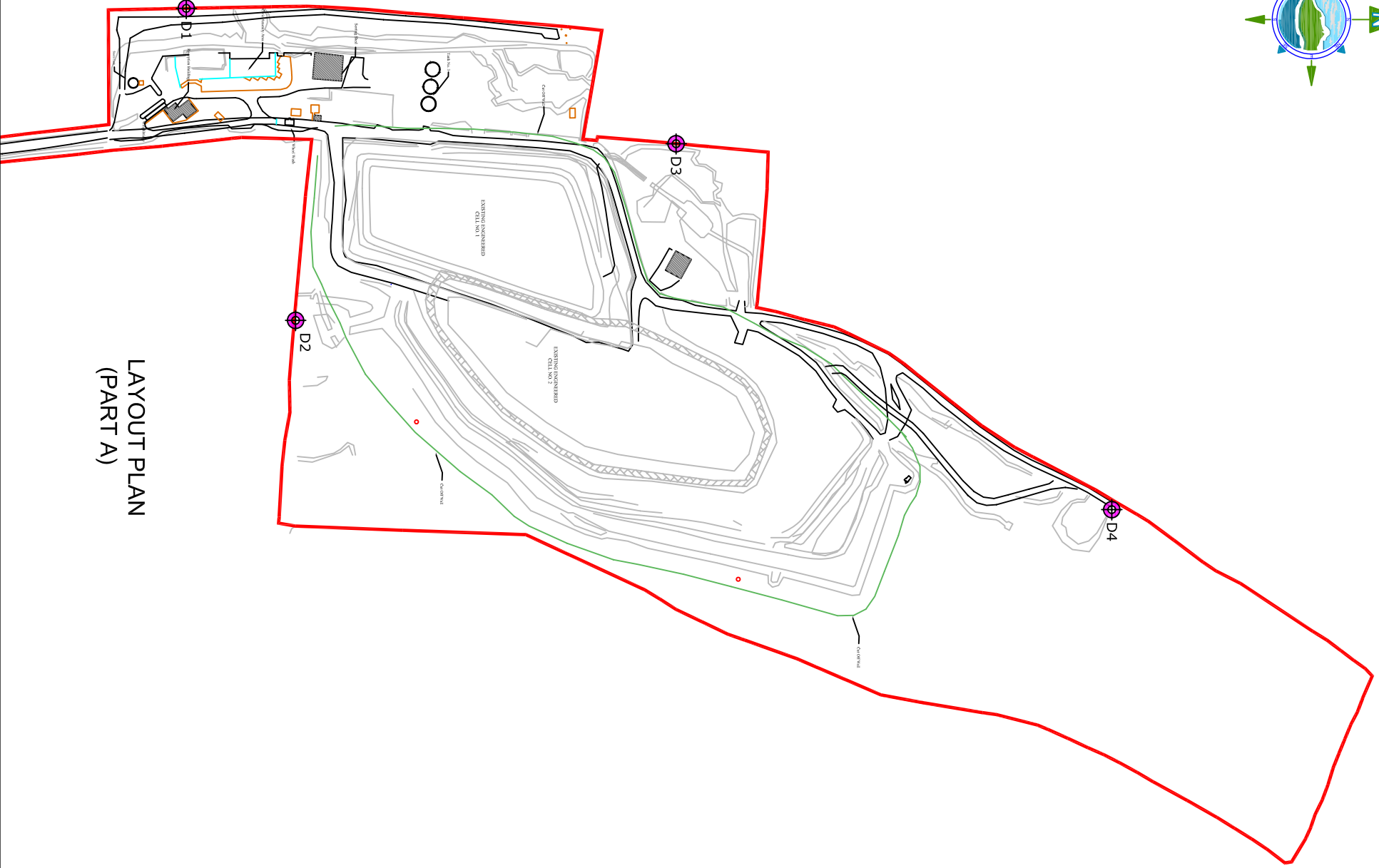
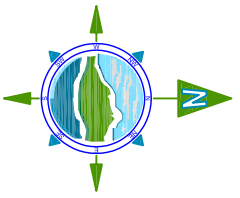
Scale @ A3:
1 : 10,000

Prepared by: **MH** Checked: **MFG** Date: **MAY 07**

Project Director: **MICHAEL F. GARRICK**

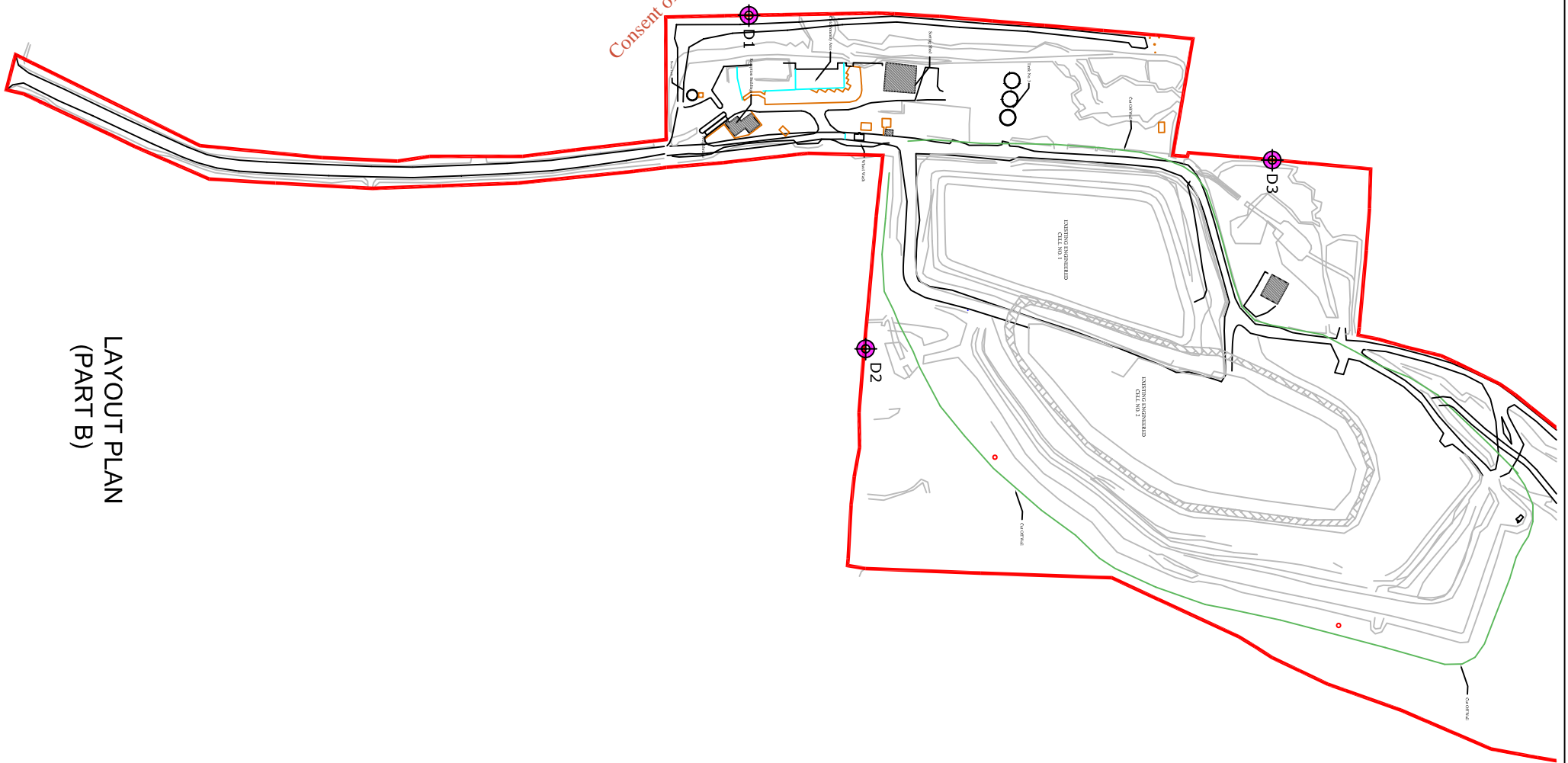
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TOBIN Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-9021401
Fax: +353-(0)94-9021634
e-mail: info@tobin.ie
www.tobin.ie

Drawing No.: **1908 - 2405** Issue: **A**



LAYOUT PLAN
(PART A)

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LAYOUT PLAN
(PART B)

LEGEND:

- DSW1 Surface Water Emission Point
- GW11 Landfill Gas Monitoring Point
- MW17 Groundwater Monitoring Point
- L2 Leachate Monitoring Point
- SW1 Surface Water Monitoring Point
- D1 Dust Monitoring Point
- N2 Noise Monitoring Point
- Meteorological Station

| Issue | Date | Description | By | CHKD. |
|-------|----------|-----------------|------|--------|
| B | MAY 07 | SCALE AMENDMENT | P.N. | M.M. |
| A | APRIL 07 | CLIENT ISSUE | M.H. | M.F.G. |

Client:
MAYO COUNTY COUNCIL

Project:
**DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01**

Title:
**DUST MONITORING
LOCATIONS**

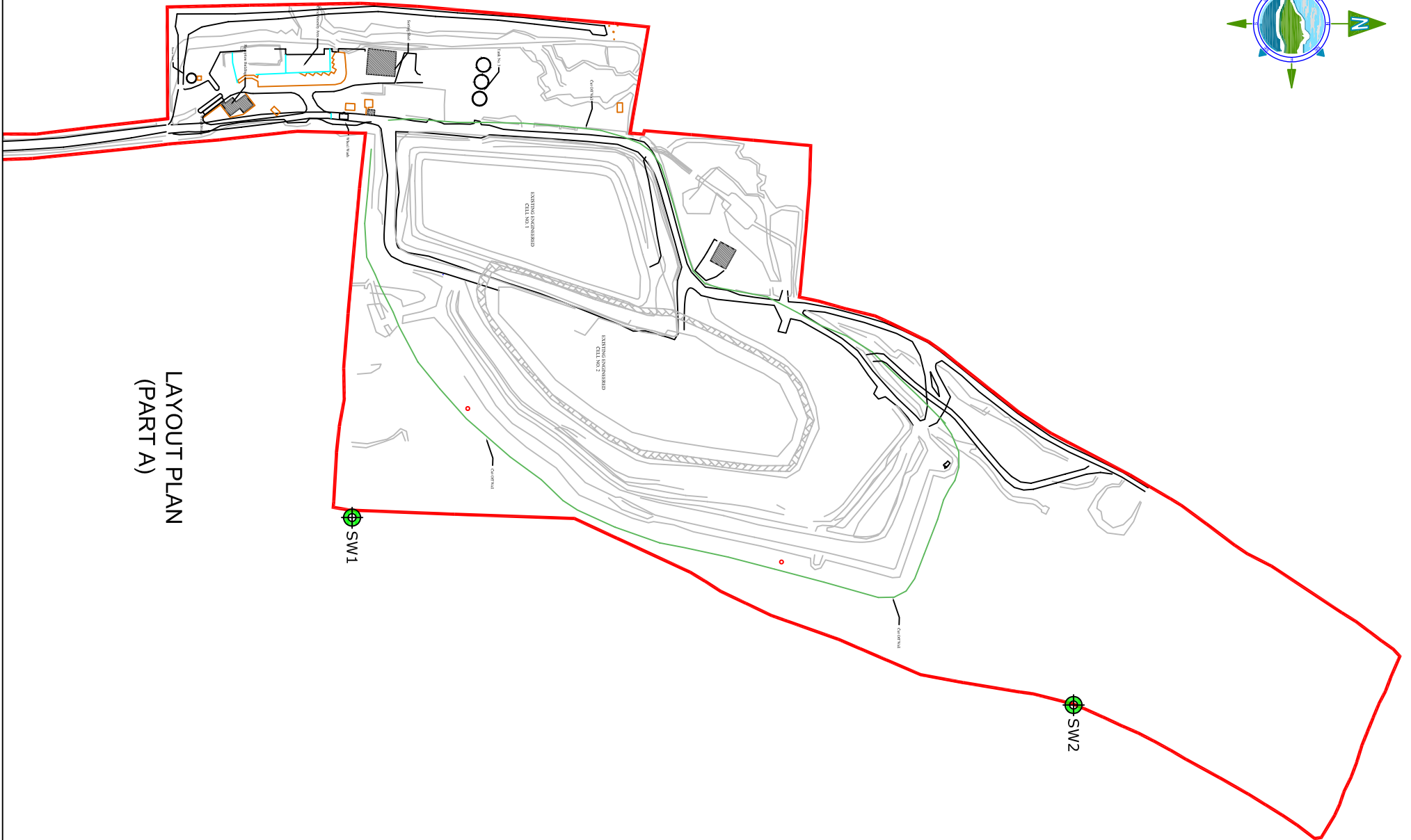
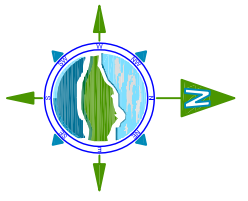
Scale @ A3: **1:5000**

Prepared by: **M.H.** Checked: **M.F.G.** Date: **APRIL '07**

Project Director: **MICHAEL F. GARRICK**

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Patrick J. Tobin & Co. Ltd.
Tobin Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-4021401
Fax: +353-(0)94-4021534
e-mail: info@tobin.ie
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Drawing No.: **1908-2406** Issue: **B**

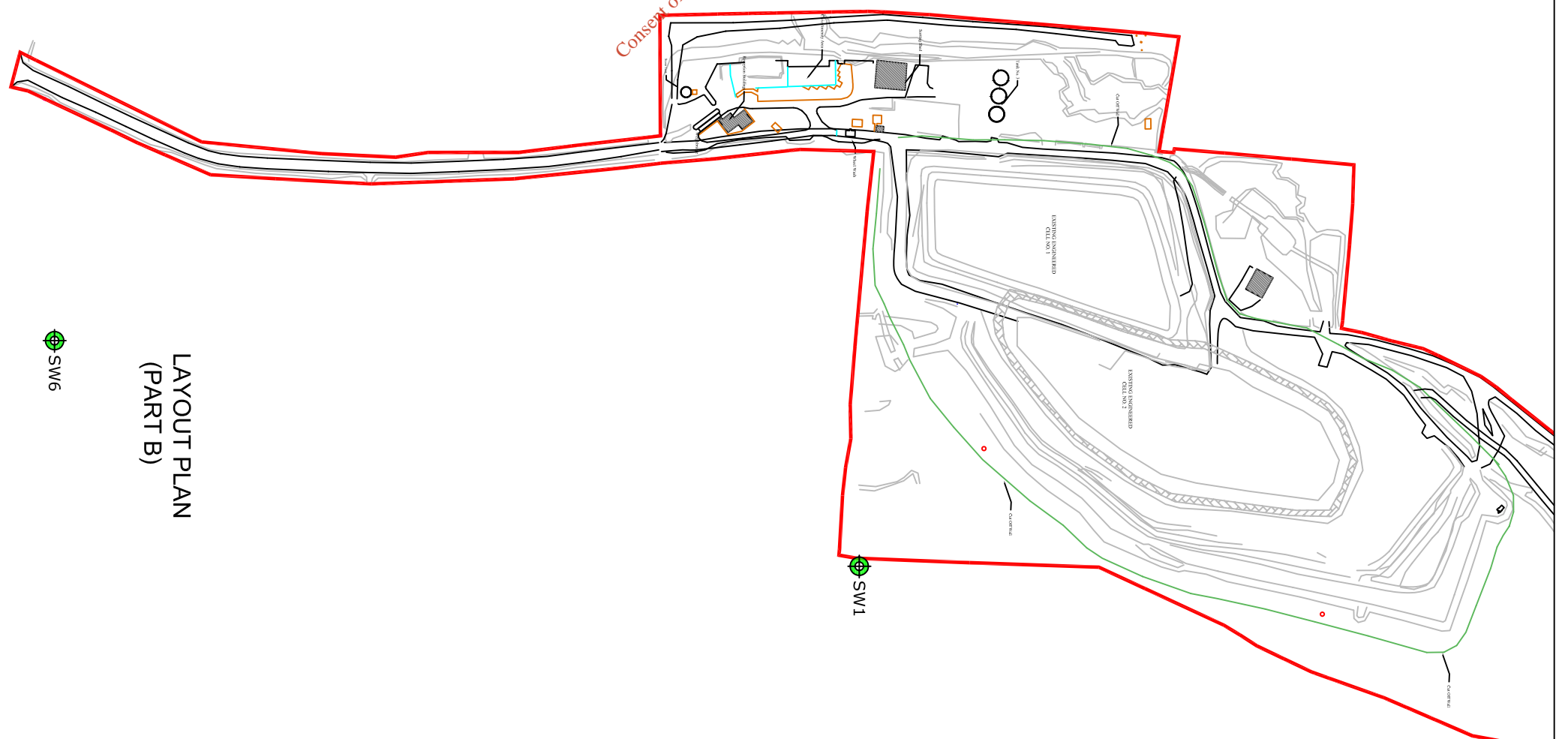


LAYOUT PLAN
(PART A)

SW1

SW2

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LAYOUT PLAN
(PART B)

SW6

- LEGEND:**
- DSW1 Surface Water Emission Point
 - GW11 Landfill Gas Monitoring Point
 - MW17 Groundwater Monitoring Point
 - L2 Leachate Monitoring Point
 - SW1 Surface Water Monitoring Point
 - D1 Dust Monitoring Point
 - N2 Noise Monitoring Point
 - Meteorological Station

| Issue | Date | Description | By | CHKD. |
|-------|----------|-----------------|------|--------|
| B | MAY'07 | SCALE AMENDMENT | P.N. | M.H. |
| A | APRIL'07 | CLIENT ISSUE | M.H. | M.F.G. |

Client:
MAYO COUNTY COUNCIL

Project:
DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01

Title:
SURFACE WATER MONITORING
LOCATIONS

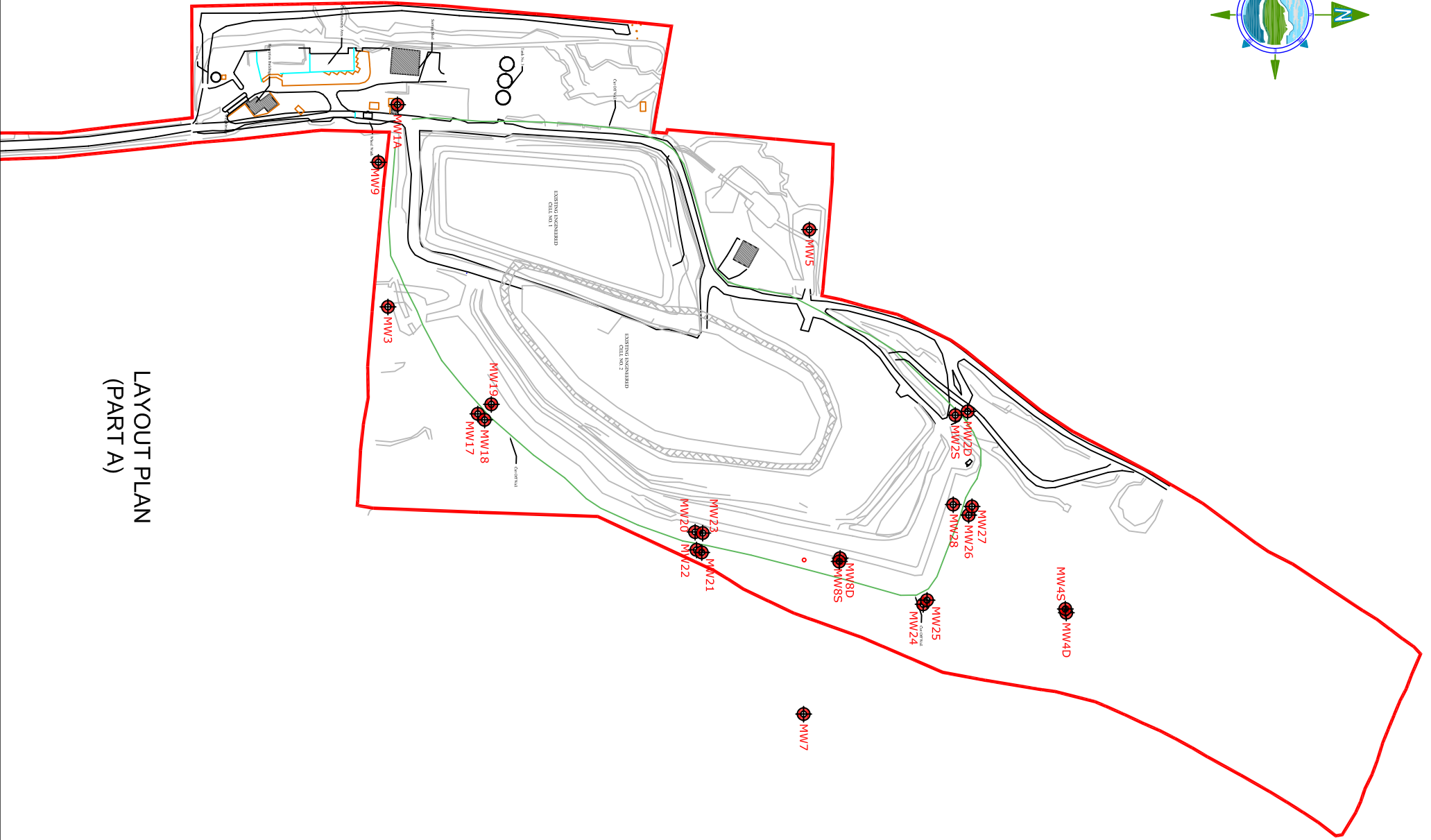
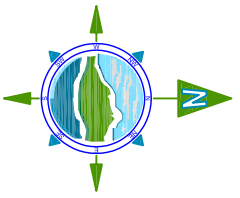
Scale @ A3: 1:5000

Prepared by: M.H.
Checked: M.F.G.
Date: APRIL '07

Project Director: MICHAEL F. GARRICK

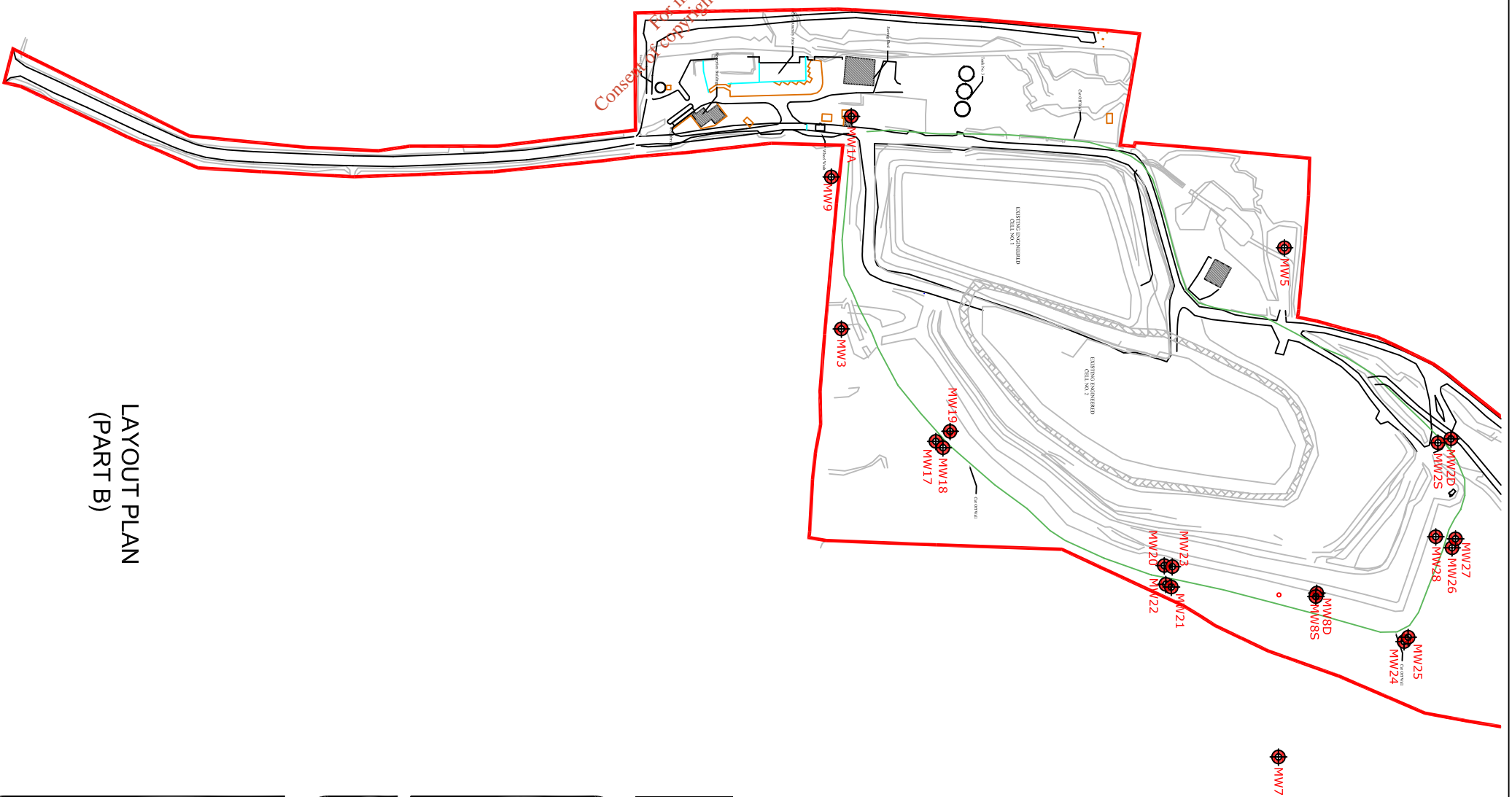
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Patrick L. Tobin & Co. Ltd.
Tobin Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
tel: +353-(0)94-4021401
fax: +353-(0)94-4021534
e-mail: info@tobin.ie
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Drawing No.: 1908-2407
Issue: B



LAYOUT PLAN
(PART A)

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LAYOUT PLAN
(PART B)

LEGEND:

- DSW1 Surface Water Emission Point
- GW11 Landfill Gas Monitoring Point
- MW17 Groundwater Monitoring Point
- L2 Leachate Monitoring Point
- SW1 Surface Water Monitoring Point
- D1 Dust Monitoring Point
- N2 Noise Monitoring Point
- MWS Meteorological Station

| Issue | Date | Description | By | CHKD. |
|-------|----------|-----------------|------|--------|
| B | MAY'07 | SCALE AMENDMENT | P.N. | M.H. |
| A | APRIL'07 | CLIENT ISSUE | M.H. | M.F.G. |

Client:
MAYO COUNTY COUNCIL

Project:
**DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01**

Title:
**GROUND WATER MONITORING
LOCATIONS**

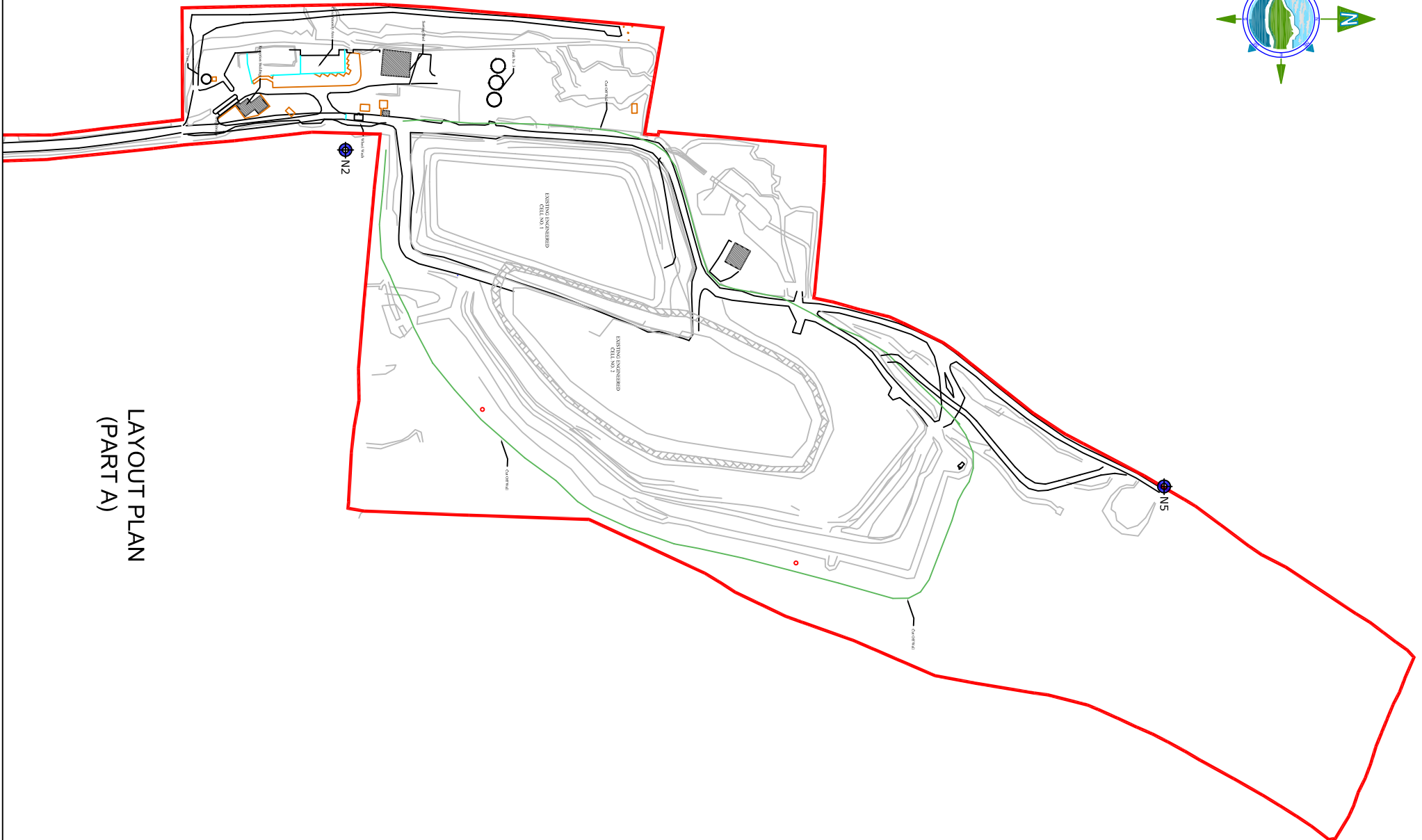
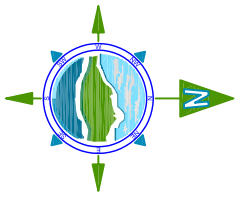
Scale @ A3: **1:5000**

| Prepared by: | Checked: | Date: |
|-------------------|--------------------|-----------|
| M.H. | M.F.G. | APRIL '07 |
| Project Director: | MICHAEL F. GARRICK | |

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Patrick J. Tobin & Co. Ltd.
Tobin Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-4021401
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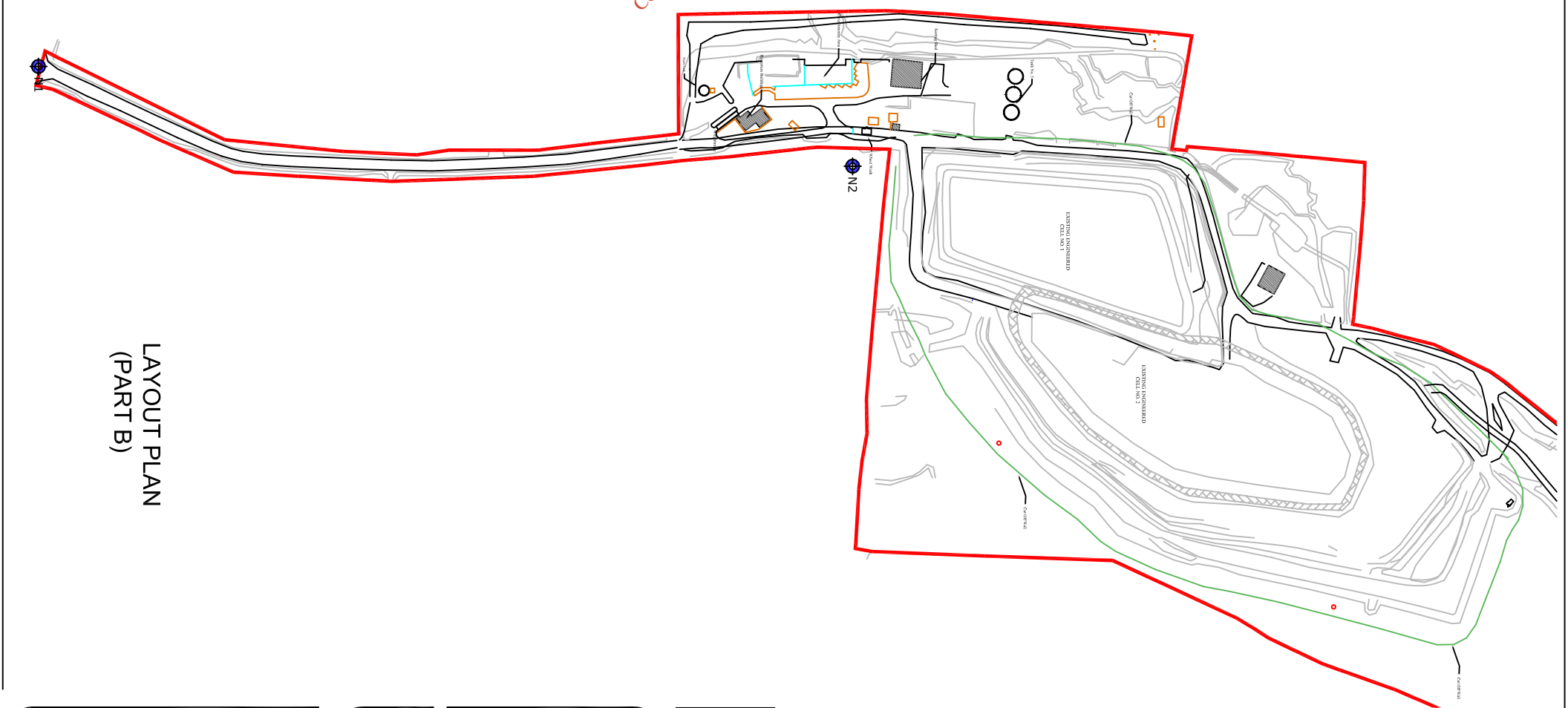
Drawing No.: **1908-2408**

Issue: **B**



LAYOUT PLAN
(PART A)

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LAYOUT PLAN
(PART B)

LEGEND:

- DSW1 Surface Water Emission Point
- GW11 Landfill Gas Monitoring Point
- MW17 Groundwater Monitoring Point
- L2 Leachate Monitoring Point
- SW1 Surface Water Monitoring Point
- D1 Dust Monitoring Point
- N2 Noise Monitoring Point
- Meteorological Station

| Issue | Date | Description | By | CHKD. |
|-------|-----------|-----------------|------|--------|
| B | MAY '07 | SCALE AMENDMENT | P.N. | M.M. |
| A | APRIL '07 | CLIENT ISSUE | M.H. | M.F.G. |

Client:
MAYO COUNTY COUNCIL

Project:
DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01

Title:
NOISE MONITORING
LOCATIONS

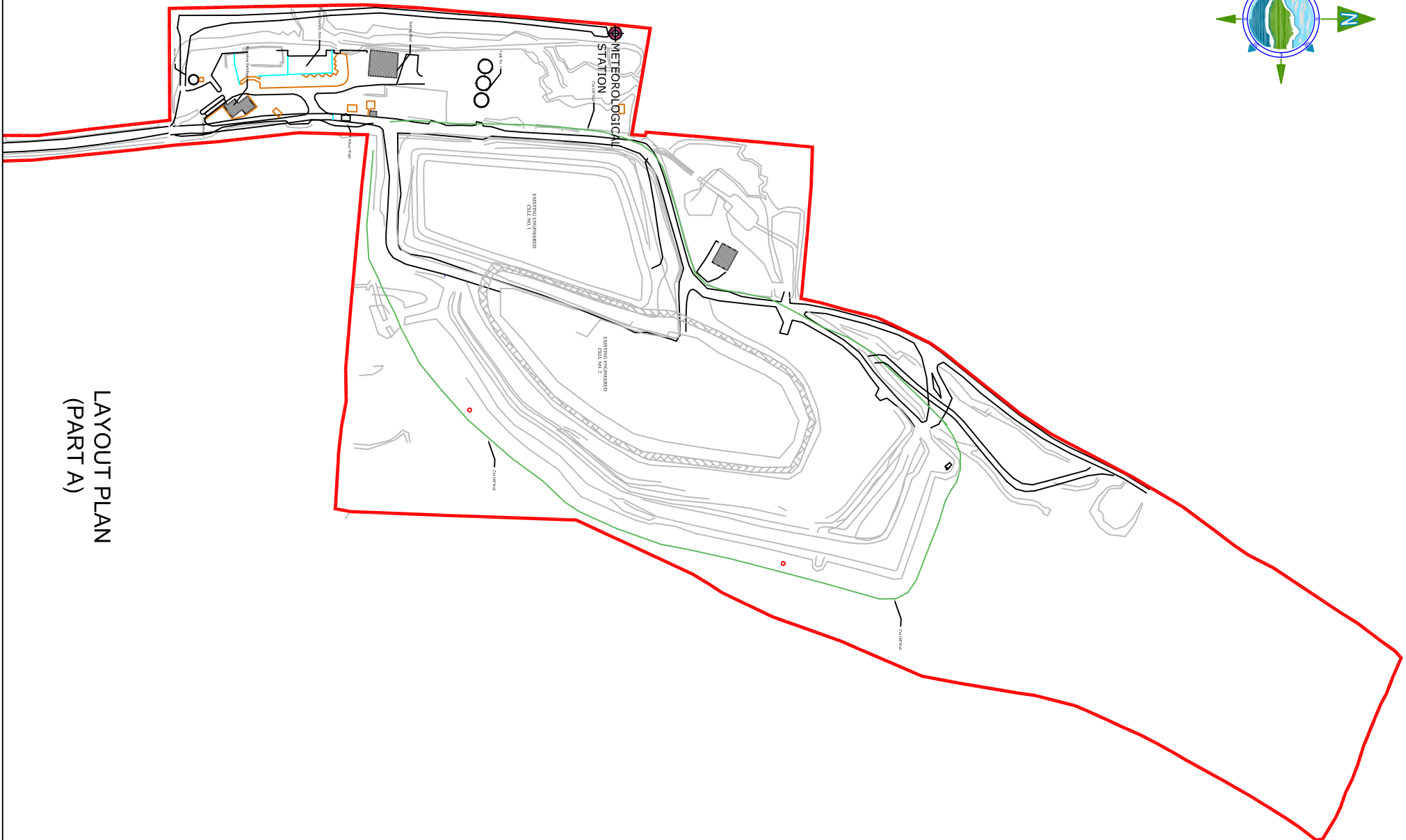
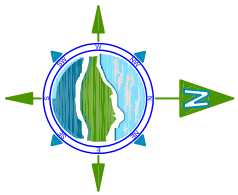
Scale @ A3: 1:5000

| Prepared by: | Checked: | Date: |
|---|----------|-----------|
| M.H. | M.F.G. | APRIL '07 |
| Project Director: MICHAEL F. GARRICK | | |

TOBIN
Patrick J. Tobin & Co. Ltd.
Tobin Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-4021401
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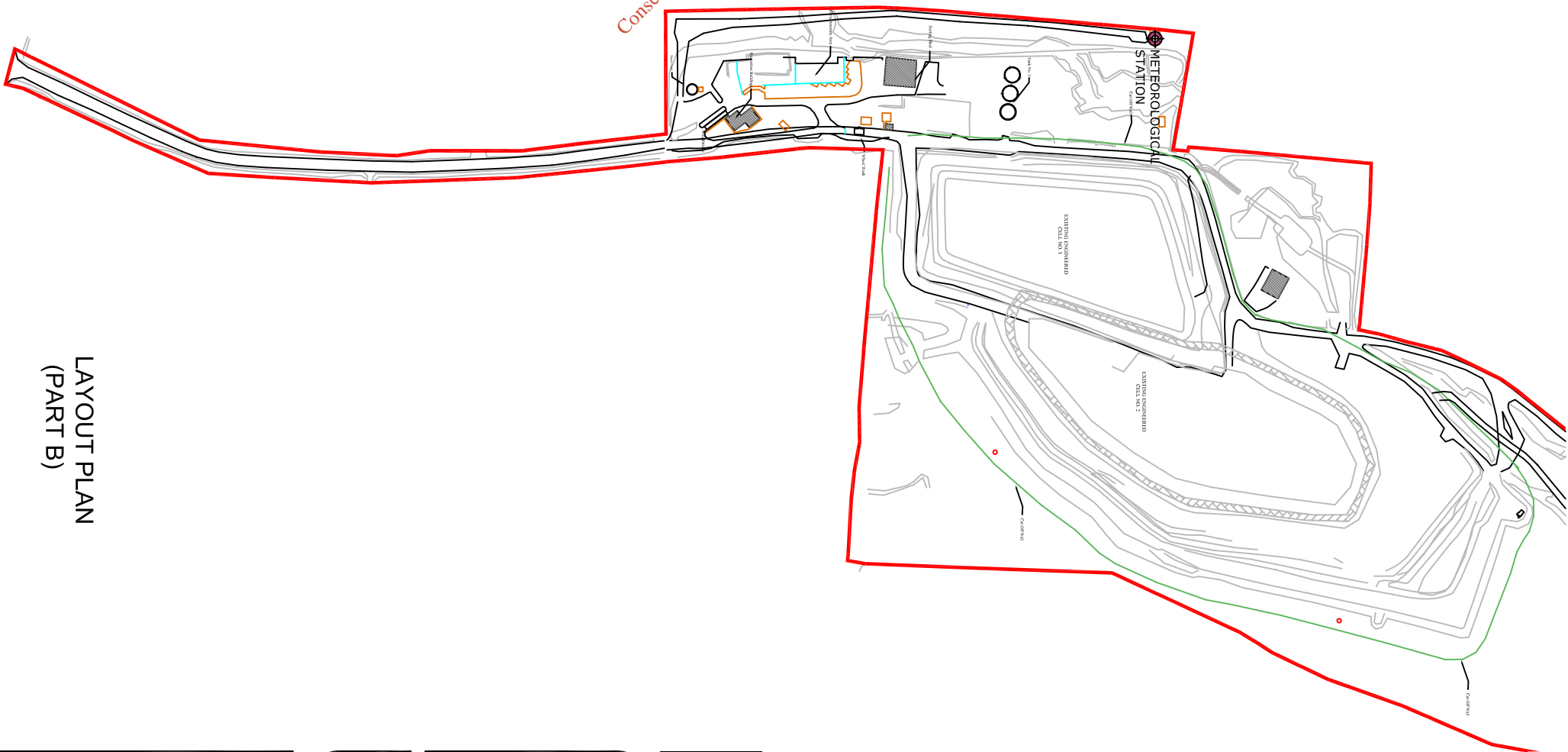
Drawing No.: 1908-2409

Issue: B



LAYOUT PLAN
(PART A)

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LAYOUT PLAN
(PART B)

LEGEND:

- DSW1 Surface Water Emission Point
- GW 11 Landfill Gas Monitoring Point
- MW17 Groundwater Monitoring Point
- L2 Leachate Monitoring Point
- SW 1 Surface Water Monitoring Point
- D1 Dust Monitoring Point
- N2 Noise Monitoring Point
- Meteorological Station

| Issue | Date | Description | By | CHKD. |
|-------|----------|-----------------|------|--------|
| B | MAY 07 | SCALE AMENDMENT | P.N. | M.M. |
| A | APRIL 07 | CLIENT ISSUE | M.H. | M.F.S. |

Client:
MAYO COUNTY COUNCIL

Project:
DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01

Title:
LOCATION OF METEOROLOGICAL
STATION

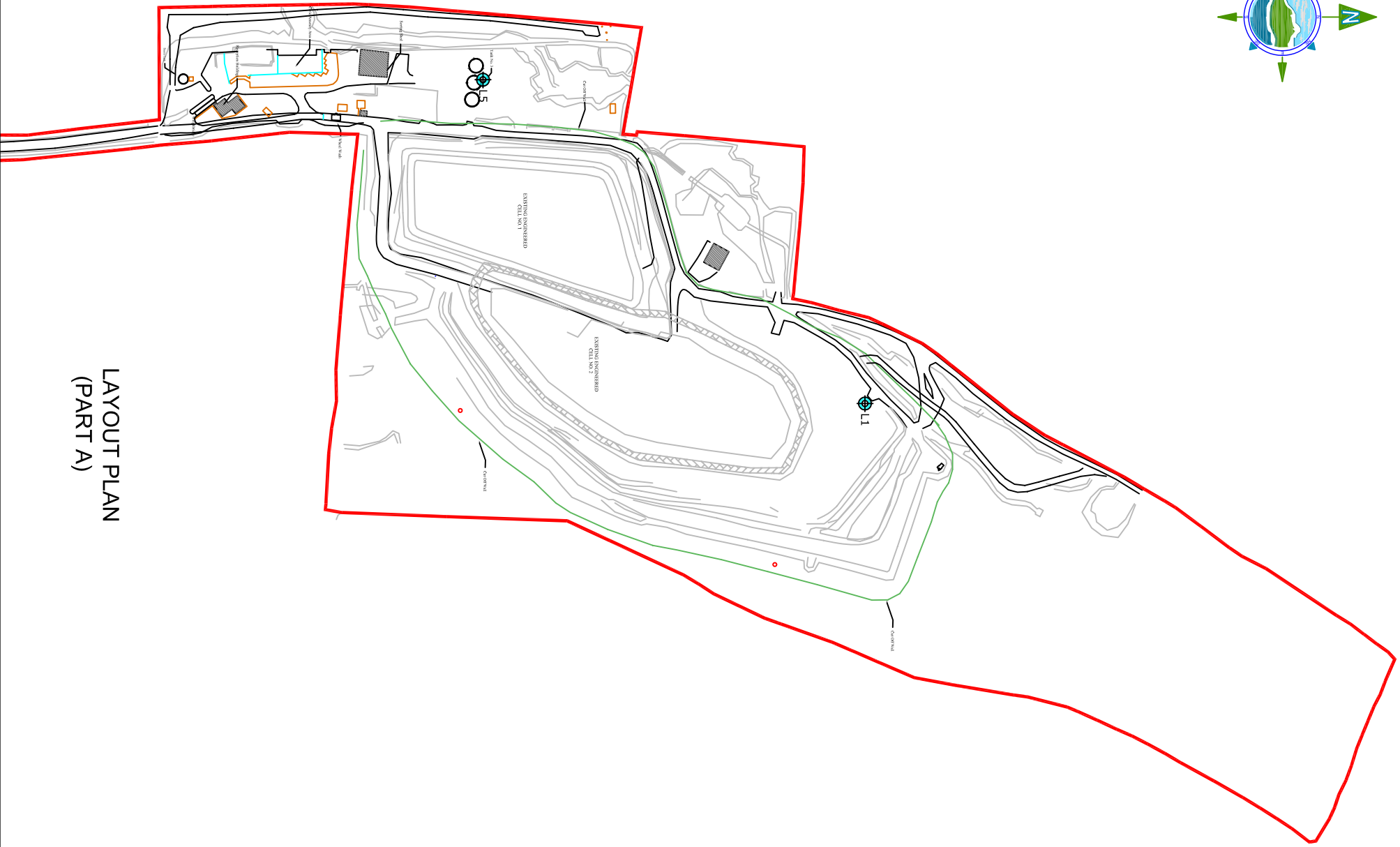
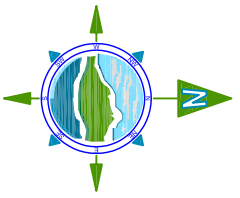
Scale @ A3: 1:5000

Prepared by: M.H. **Checked:** M.F.G. **Date:** APRIL '07

Project Director: MICHAEL F. GARRICK

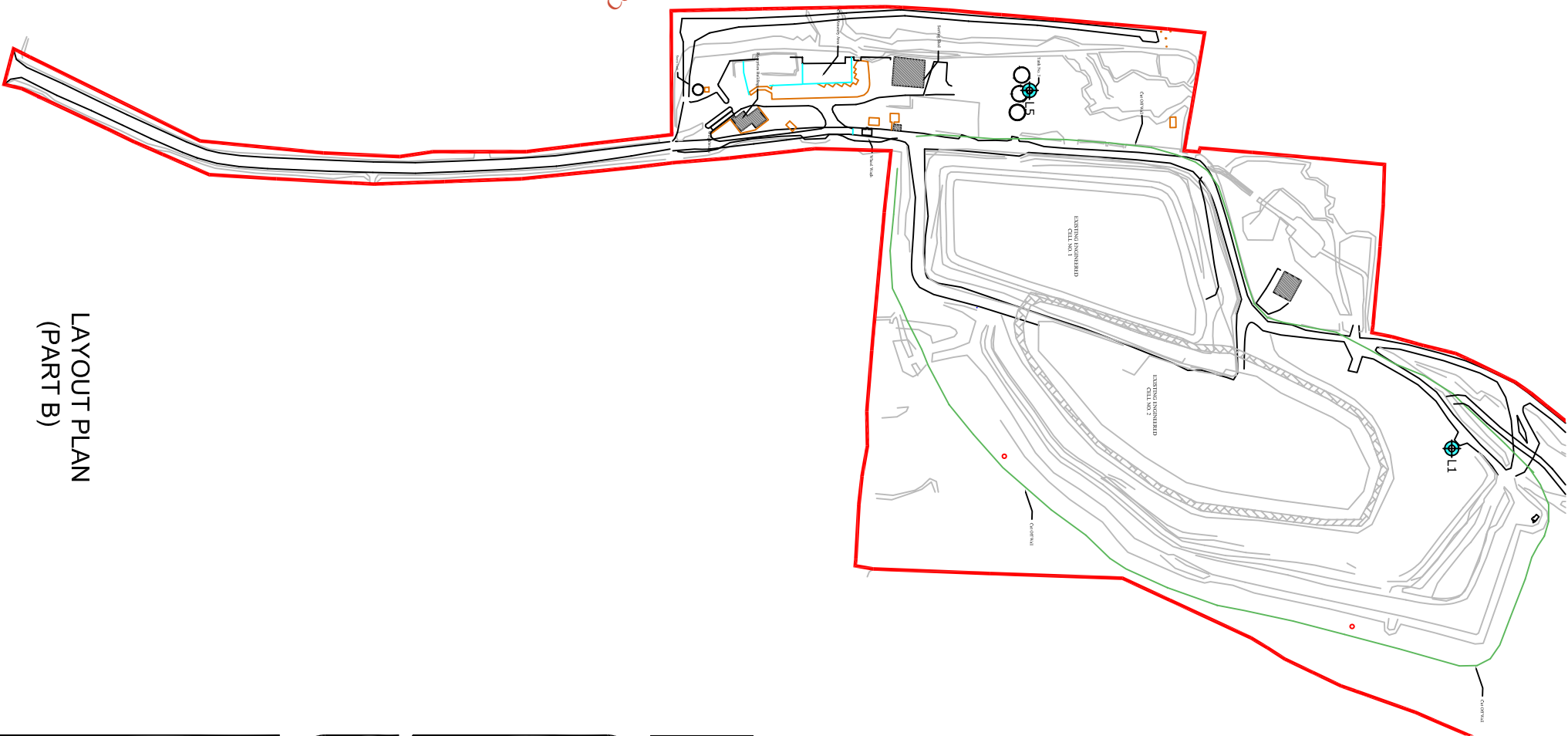
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Patrick J. Tobin & Co. Ltd.
Tobin Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-4021401
Fax: +353-(0)94-4021534
e-mail: info@tobin.ie
www.tobin.ie

Drawing No.: 1908-2410 **Issue:** B



LAYOUT PLAN
(PART A)

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LAYOUT PLAN
(PART B)

LEGEND:

- DSW1 Surface Water Emission Point
- GW1 Landfill Gas Monitoring Point
- MW17 Groundwater Monitoring Point
- L2 Leachate Monitoring Point
- SW1 Surface Water Monitoring Point
- D1 Dust Monitoring Point
- N2 Noise Monitoring Point
- Meteorological Station

| Issue | Date | Description | By | CHKD. |
|-------|----------|-----------------|------|--------|
| B | MAY 07 | SCALE AMENDMENT | P.N. | M.M. |
| A | APRIL 07 | CLIENT ISSUE | M.H. | M.F.S. |

Client:
MAYO COUNTY COUNCIL

Project:
**DERRINUMERA SHC & LTF -
APPLICATION FOR REVIEW
OF WASTE LICENCE W0021-01**

Title:
**LEACHATE MONITORING
LOCATION**

Scale @ A3: **1:5000**

| | | |
|-------------------|--------------------|----------|
| Prepared by: | Checked: | Date: |
| M.H. | M.F.G. | APRIL 07 |
| Project Director: | MICHAEL F. GARRICK | |

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Patrick J. Tobin & Co. Ltd.
Tobin Consulting Engineers,
Market Square, Castlebar,
Co. Mayo, Ireland.
Tel: +353-(0)94-4021401
Fax: +353-(0)94-4021534
e-mail: info@tobin.ie
www.tobin.ie

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