

Index of Photographs – REIS Chapter 2

- Photograph 2.1: Access road, Osberstown Industrial Park
- Photograph 2.2: Site entrance (and security gate)
- Photograph 2.3: Main Process Building (including offices)
- Photograph 2.4: Drying Plant Building
- Photograph 2.5: Vehicle Maintenance Building
- Photograph 2.6: Main Process Building - Weighbridge position and weighbridge operator's window
- Photograph 2.7: Screenshot of weighbridge software - sample load weigh-in
- Photograph 2.8: Main Process input material – glass and cans
- Photograph 2.9: Main Process - Loading Hopper into Main Process
- Photograph 2.10: Main Process Building – magnetic separator
- Photograph 2.11: Main Process Building – Eddy Current Separator Unit
- Photograph 2.12: Main Process Building – Spectrum Unit (glass colour separator)
- Photograph 2.13: Main Process Building – Spectrum Units (glass colour separators)
- Photograph 2.14: Main Process Building – Inspection and Quality Control
- Photograph 2.15: Main Process Building – touch-screen management system
- Photograph 2.16: Main Process Building - First Aid/Fire Extinguisher Station
- Photograph 2.17: Main Process Building – can shredder
- Photograph 2.18: Main Process - Can crushing and baling
- Photograph 2.19: Main Process output - Baled cans/metal storage
- Photograph 2.20: Main Process Building – Output Bays
- Photograph 2.21: Main Process output - Clean/separated glass cullet
- Photograph 2.22: Main Process output - Residual waste storage
- Photograph 2.23: Main Process - Glass cullet quality control (QC) laboratory (1)
- Photograph 2.24: Main Process - Glass cullet quality control (QC) laboratory (2)
- Photograph 2.25: Outdoor storage - Bulk glass cullet storage
- Photograph 2.26: Input and Output Storage Bays, Concrete Hardstanding
- Photograph 2.27: Drying Plant - hopper and picking station
- Photograph 2.28: Drying Plant - Rotating Drying Unit
- Photograph 2.29: Drying Plant - Pelletiser – Rotating Drum
- Photograph 2.30: Drying Plant - Crushed and graded output product
- Photograph 2.31: Drying Plant Sample of Bagged Product from Drying Plant
- Photograph 2.32: Outdoor Storage - Bagged and Wrapped Product on Pallets
- Photograph 2.33: Drying Plant - 'Cyclone' Dust Management System
- Photograph 2.34: Drying Plant – Air Emission Point
- Photograph 2.35: Drying Plant – residual waste
- Photograph 2.36: Drying Plant - Output from the Drying Plant for diversion to Main Process
- Photograph 2.37: Site roads and concrete hardstanding
- Photograph 2.38: Designated parking area
- Photograph 2.39: Electricity Sub-station, at Rehab Glassco Site Entrance (outside subject site)



Rehab Glassco Ltd.: SITE PHOTOGRAPHS (REIS Chapter 2)

Photograph 2.40: CCTV camera positions on Main Process Building

Photograph 2.41: Vehicle wash bay

Photograph 2.42: Garage/vehicle workshop plant and equipment

Photograph 2.43: Diesel tank

Photograph 2.44: Gas Tank

Photograph 2.45: Plastic Ground Matting System at Wayleave

Photograph 2.46: Culvert located in field to north-west of Rehab Glassco site

Photograph 2.47: Bird control hawk kite

Photograph 2.48: Water bowser (for dust management)

Photograph 2.49: Stockpiles, fencing/noise barrier and tree planting at Western Boundary

Photograph 2.50: Fencing/noise Barrier and tree planting at western boundary (view from outside the facility)

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Photograph 2.6: Main Process Building - Weighbridge position and weighbridge operator's window



Photograph 2.7: Screenshot of weighbridge software - sample load weigh-in

Record Load In

Load Details - General

Glassco Ticket No: 028109 Supplier Ticket No: []

Supplier: Rehab Glassco Depot: [David Blain - 3D Logistics]

Haulier Name: [P. P. Logistics Limited] Vehicle Type: []

Vehicle: [BONNICO] Multiple Materials: No

Material Details

New Material: Sorted Glass EWC Code: 15 01 07

| Weight (Kg) | Date | Time | Audit No |
|--------------------------|-------------------------------------|----------|----------|
| Weight I: 37700 | <input type="checkbox"/> 17-05-2011 | 11:22:26 | 056009 |
| Weight II: 19160 | <input type="checkbox"/> 17-05-2011 | 11:37:59 | 056011 |
| Net Weight: 18540 | | | |

Rejected: No Contaminated: No Upload Images: No

Comments: []

Billing Details

Billed: Billed Date: 27/05/2011 Reference No: []

Reprint Save Delete Open Load Close

Photograph 2.8: Main Process input material - glass and cans



Photograph 2.9: Main Process - Loading Hopper into Main Process



Photograph 2.10: Main Process Building - magnetic separator



Photograph 2.11: Main Process Building – Eddy Current Separator Unit



Photograph 2.12: Main Process Building – Spectrum Unit (glass colour separator)



Photograph 2.13: Main Process Building – Spectrum Units (glass colour separators)



Photograph 2.14: Main Process Building – Inspection and Quality Control



Photograph 2.15: Main Process Building – touch-screen management system



Photograph 2.16: Main Process Building - First Aid/Fire Extinguisher Station



Photograph 2.17: Main Process Building – can shredder



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Photograph 2.18: Main Process - Can crushing and baling



Photograph 2.19: Main Process output - Baled cans/metal storage



Photograph 2.20: Main Process Building - Output Bays



Photograph 2.21: Main Process output - Clean/separated glass cullet



Photograph 2.22: Main Process output - Residual waste storage



Photograph 2.23: Main Process - Glass cullet quality control (QC) laboratory (1)



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Photograph 2.50: Fencing/noise Barrier and tree planting at western boundary (view from outside the facility)



Drawings

Drawing REIS-1.1: Site Location Plan (Regional Context)

Drawing REIS-1.2: Site Location Plan (Naas Environs)

Drawing REIS-1.3: Site Location Plan (Local Context)

Drawing REIS-2.1: Site Layout (existing)

Drawing REIS-2.2: Principal Receptors

Drawing REIS-2.3: Site Operations

Drawing REIS-2.4: Zoning Map

Drawing REIS-5.1: Air quality (Traffic) Receptors

Drawing REIS-5.2: Air and Dust Monitoring Locations

Drawing REIS-6.1: Noise Monitoring Locations

Drawing REIS-7.1: Viewpoint Locations

Drawing REIS-9.1: Geological Context

Drawing REIS-9.2: Gravel Aquifer Map

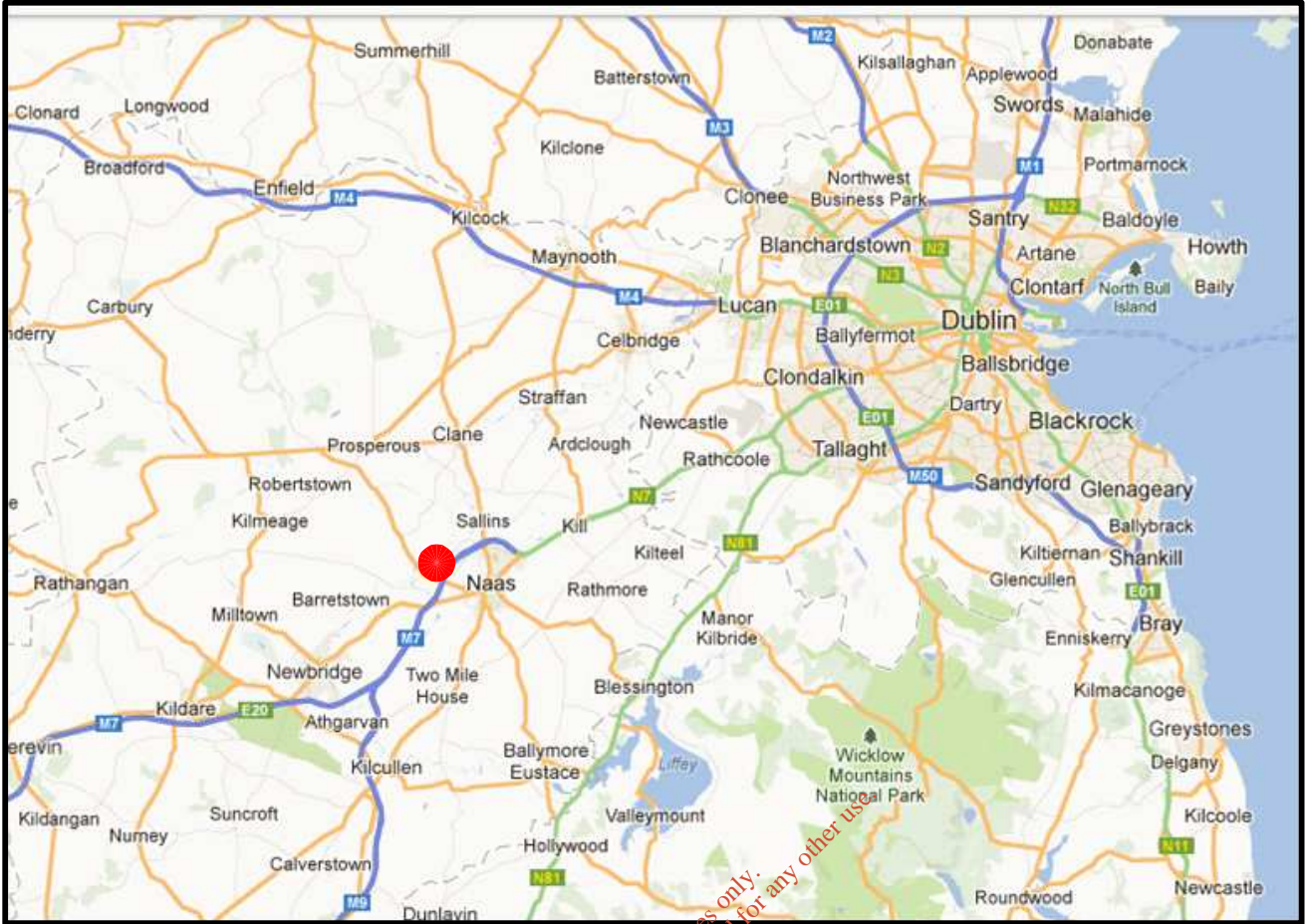
Drawing REIS-9.3: Bedrock Aquifer Map

Drawing REIS-9.4: Groundwater Vulnerability Map

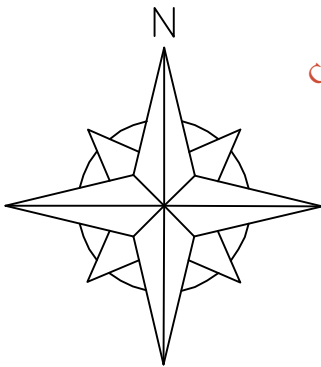
Drawing REIS-10.1: Drainage Drawing (existing)

Drawing REIS-10.2: Proposed Attenuation Layout

Drawing REIS-10.3: Map of Eastern River Basin District Water Management Units




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● SITE LOCATION

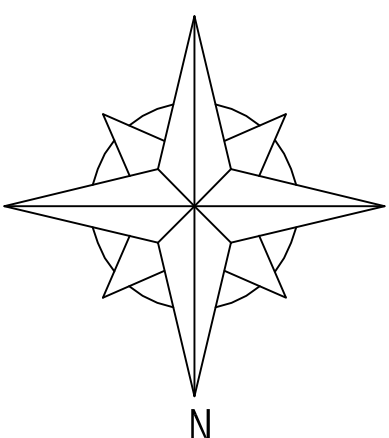
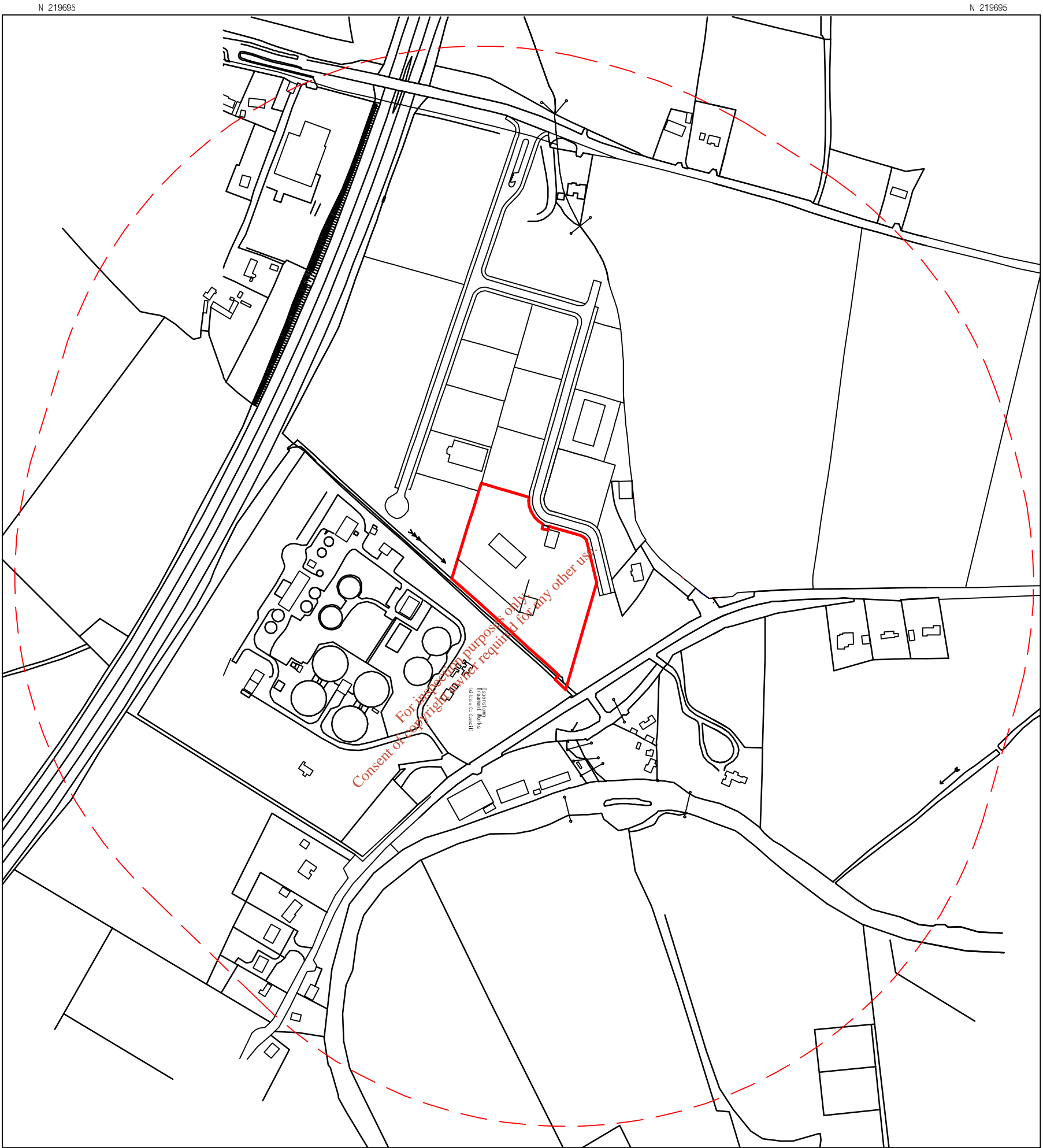
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| REV. | DATE. | AMENDMENT. | | | | | INITIALS. |

| | | |
|---|------------------------|-------------------------------------|
| CLIENT: REHAB GLASSCO | | |
| PROJECT: REMEDIAL ENVIRONMENTAL IMPACT STATEMENT AT OSBERSTOWN BUSINESS PARK, NAAS. | | |
| DRAWING: SITE LOCATION PLAN (REGIONAL CONTEXT) | | |
| SCALE: NTS | DATE: NOVEMBER 2012 | DRAWN BY: B.P. |
| DRAWING NO. REIS-1.1 | DRAWING STATUS: | |
| | PRELIMINARY | <input checked="" type="checkbox"/> |
| | FOR INFORMATION | <input type="checkbox"/> |
| | FOR APPROVAL | <input type="checkbox"/> |
| | FOR CONSTRUCTION | <input type="checkbox"/> |
| REVISION NO. | | |


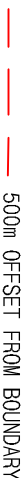


BRIAN PYPER AND ASSOCIATES
PROJECT DESIGN AND MANAGEMENT SERVICES

DASH HOUSE, 34 SHORE ROAD,
HOLYWOOD, CO. DOWN, BT18 9HX
TEL: 00 44 (0) 7825 213 111
E-MAIL: bpyper@gmail.com



KEY:

| | |
|---|---------------------------|
|  | SITE BOUNDARY |
|  | 500m OFFSET FROM BOUNDARY |

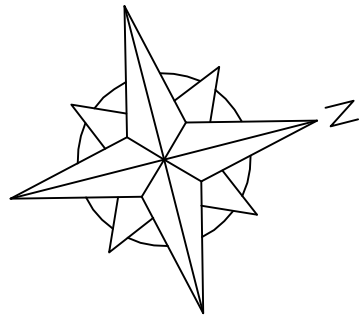
REMEDIAL ENVIRONMENTAL IMPACT STATEMENT, REHAB GLASSCO LTD, OSBERSTOWN INDUSTRIAL PK, NAAS.
 SITE LOCATION PLAN SCALE: 1:5000

DRG No. REIS-1.3

OSI LICENCE No. AR0008613

TOM PHILLIPS
 ASSOCIATES
 PLANNING FOR THE FUTURE

Contact:
 Post: Suite 1, Linn
 Lane, Ballybrack, Dublin 6
 Dublin 6
 T: +353 1 448 854
 F: +353 1 448 854



| REV. | DATE | AMENDMENT | INITIALS |
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CLIENT: REHAB GLASSCO

PROJECT: REMEDIAL ENVIRONMENTAL IMPACT STATEMENT AT OSBERTOWN INDUSTRIAL PARK, NAAS.

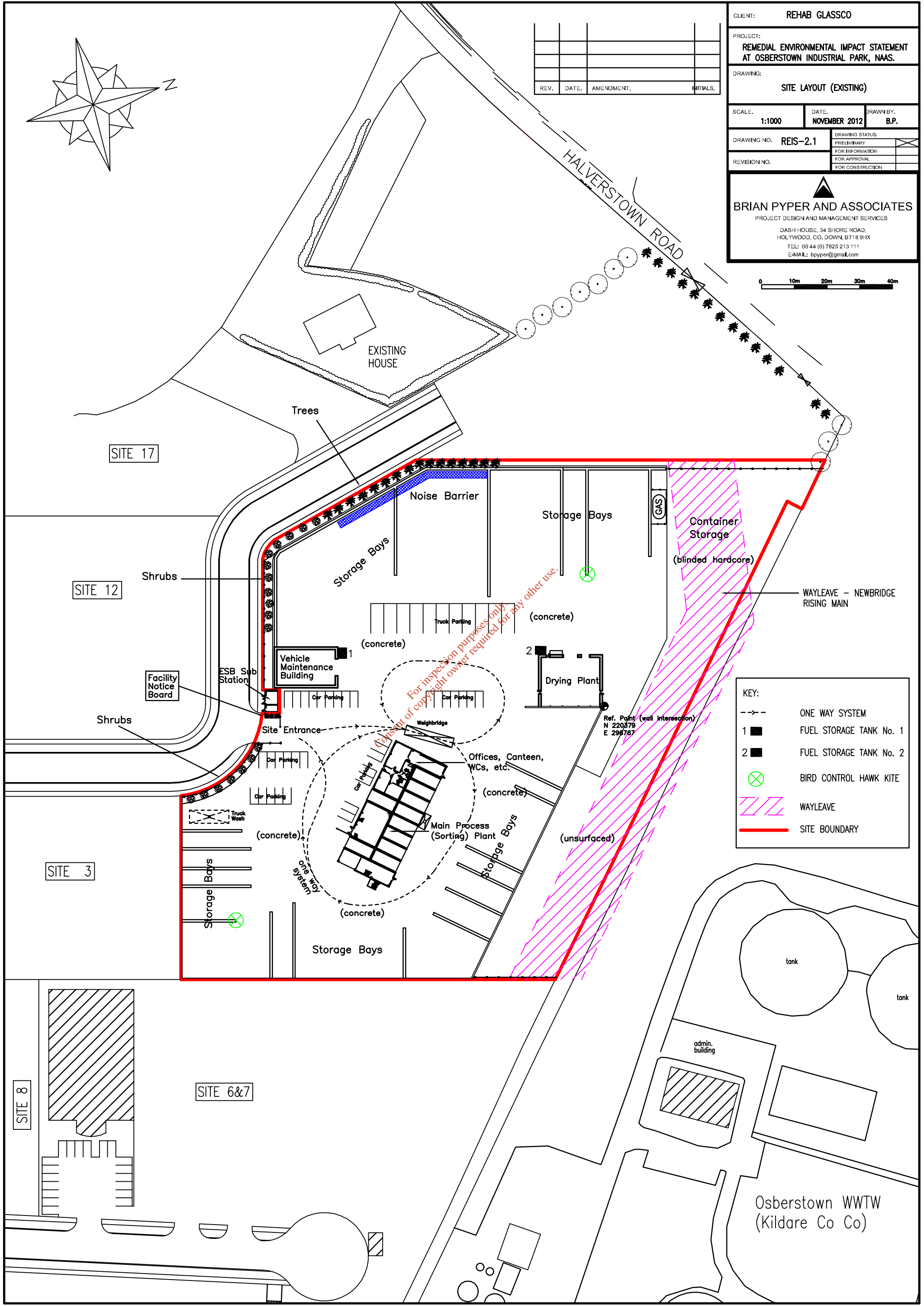
DRAWING: SITE LAYOUT (EXISTING)

SCALE: 1:1000 DATE: NOVEMBER 2012 DRAWN BY: B.P.

DRAWING NO. REIS-2.1 DRAWING STATUS: PRELIMINARY FOR INFORMATION

REVISION NO. DRAWING STATUS: FOR APPROVAL FOR CONSTRUCTION

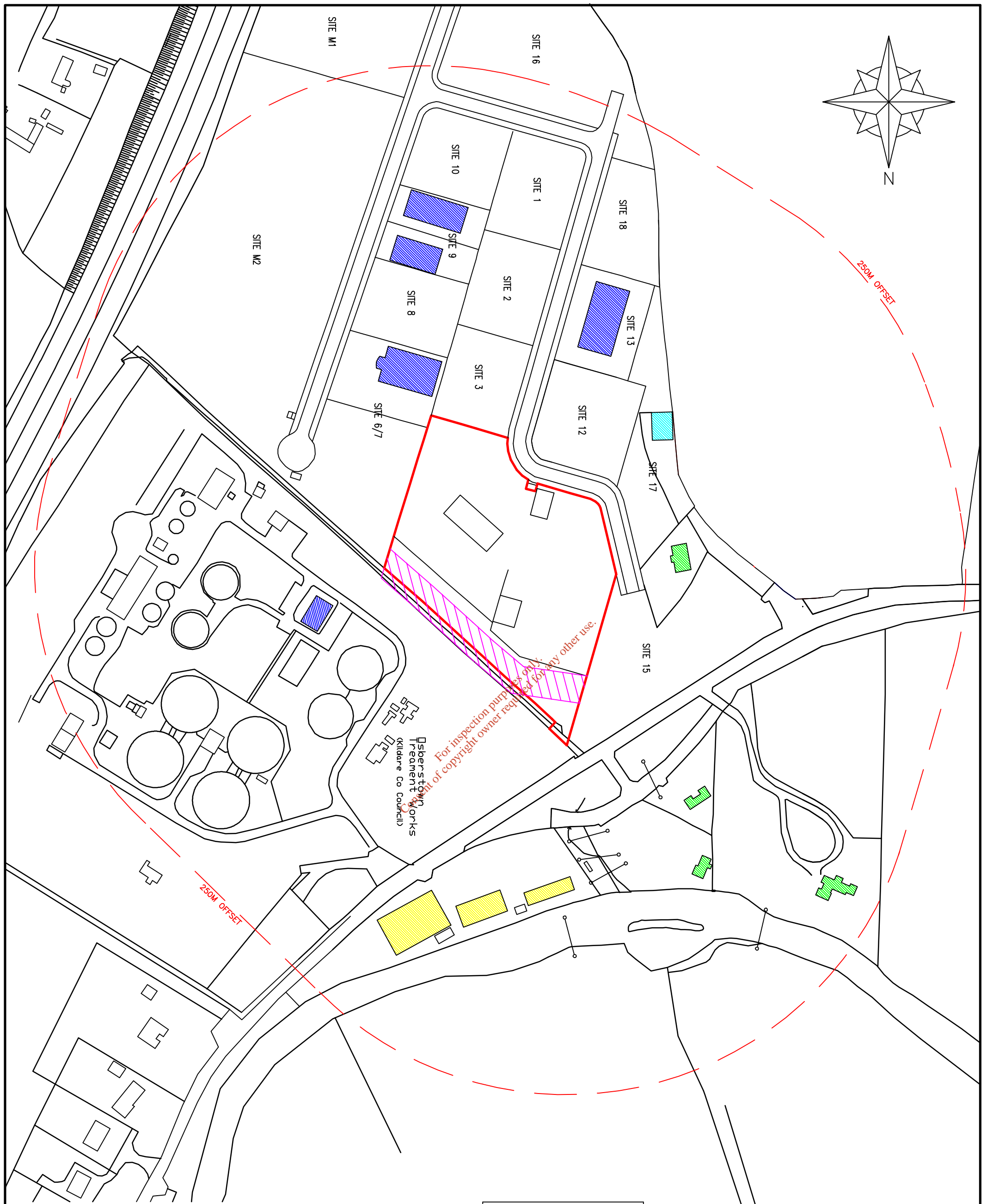
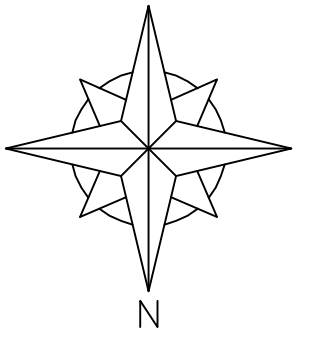
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KEY:

| | |
|------|-------------------------|
| ---> | ONE WAY SYSTEM |
| 1 | FUEL STORAGE TANK No. 1 |
| 2 | FUEL STORAGE TANK No. 2 |
| ⊗ | BIRD CONTROL HAWK KITE |
| ▨ | WAYLEAVE |
| — | SITE BOUNDARY |



KEY:

- RESIDENTIAL
- COMMERCIAL / INDUSTRIAL
- DISUSED COMMERCIAL (GREENHOUSES)
- PRE-EXISTING DISUSED GARAGE / STORE (PREVIOUSLY OWNED BY ADJACENT RESIDENTIAL)



| REV. | DATE | AMENDMENT | INITIALS |
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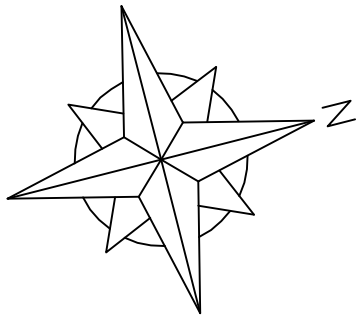
CLIENT: **REHAB GLASSCO**

PROJECT: **REMEDIATION ENVIRONMENTAL IMPACT STATEMENT AT OSBERSTOWN INDUSTRIAL PARK, NMS.**

DRAWING: **PRINCIPAL RECEPTORS - RESIDENTIAL AND COMMERCIAL (250m OFFSET)**

| | | |
|-----------------------------|-------------------------------------|----------------------|
| SCALE: 1:2500 | DATE: JANUARY 2013 | DRAWN BY: BP. |
| DRAWING NO. REIS-2.2 | DRAWING STATUS: FOR APPROVAL | |
| REVISION NO. | FOR APPROVAL | |
| | FOR CONSTRUCTION | |

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 EMAIL: bryper@pymall.com



| REV. | DATE. | AMENDMENT. | INITIALS. |
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CLIENT: REHAB GLASSCO

PROJECT: REMEDIAL ENVIRONMENTAL IMPACT STATEMENT AT OSBERTOWN INDUSTRIAL PARK, NAAS.

DRAWING: SITE OPERATIONS

SCALE: 1:1000 DATE: NOVEMBER 2012 DRAWN BY: B.P.

DRAWING NO. REIS-2.3 DRAWING STATUS: PRELIMINARY FOR INFORMATION FOR APPROVAL FOR CONSTRUCTION

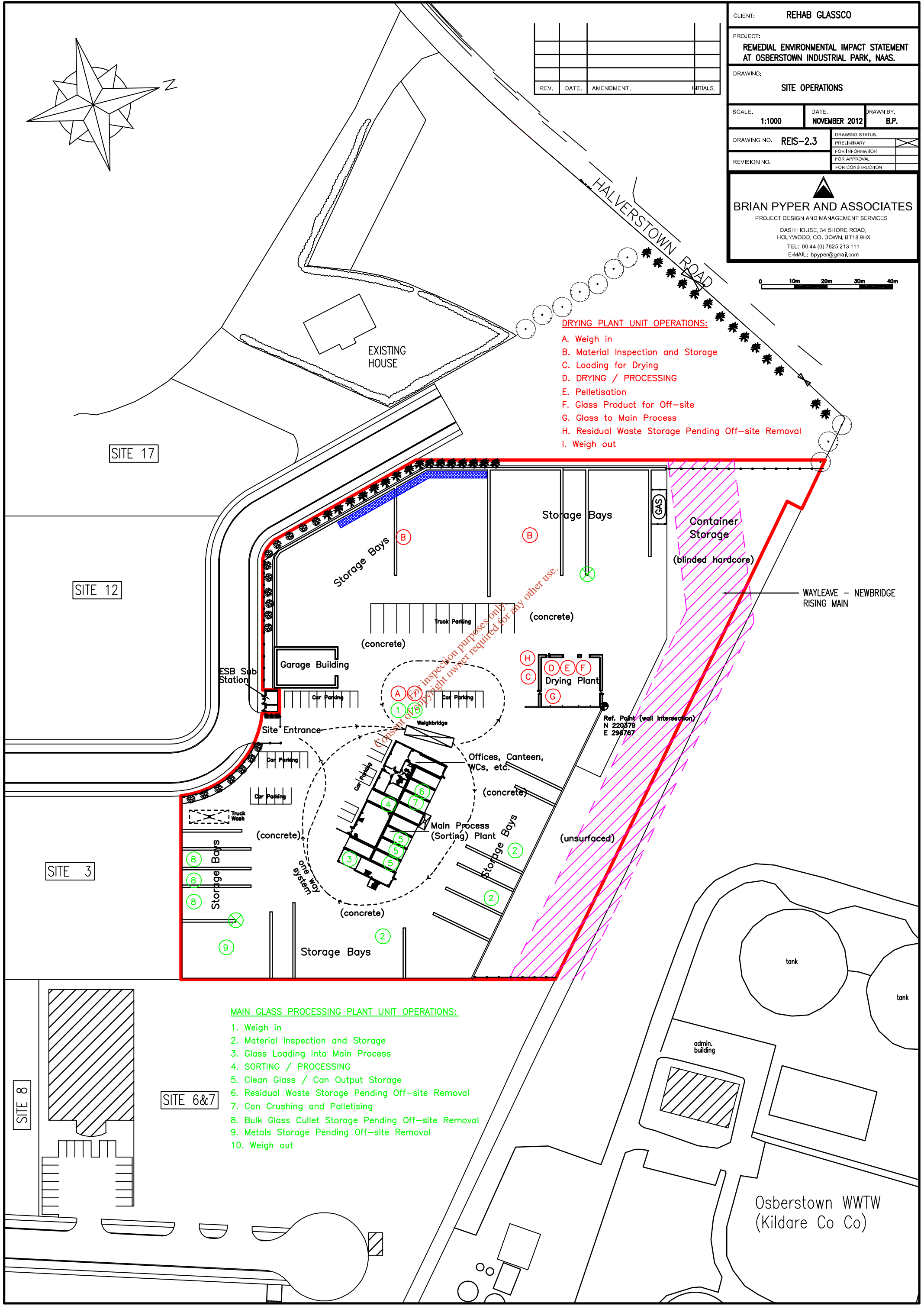
REVISION NO.

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 TEL: 00 44 (0) 7825 213 111
 E-MAIL: bpyper@gmail.com



DRYING PLANT UNIT OPERATIONS:

- A. Weigh in
- B. Material Inspection and Storage
- C. Loading for Drying
- D. DRYING / PROCESSING
- E. Pelletisation
- F. Glass Product for Off-site
- G. Glass to Main Process
- H. Residual Waste Storage Pending Off-site Removal
- I. Weigh out



MAIN GLASS PROCESSING PLANT UNIT OPERATIONS:

- 1. Weigh in
- 2. Material Inspection and Storage
- 3. Glass Loading into Main Process
- 4. SORTING / PROCESSING
- 5. Clean Glass / Can Output Storage
- 6. Residual Waste Storage Pending Off-site Removal
- 7. Can Crushing and Palletising
- 8. Bulk Glass Cullet Storage Pending Off-site Removal
- 9. Metals Storage Pending Off-site Removal
- 10. Weigh out



Kildare County Council
 Planning & Economic
 Development Department
 Aras Chill Dara, Naas
 Co Kildare

County Development Plan
 2011- 2017

Legend :

- Naas Town Council
- NE 1: Industry / Warehousing
- NE 2: Existing / Permitted Retail / Commercial
- NE 3: Public Utilities
- Roads Objective

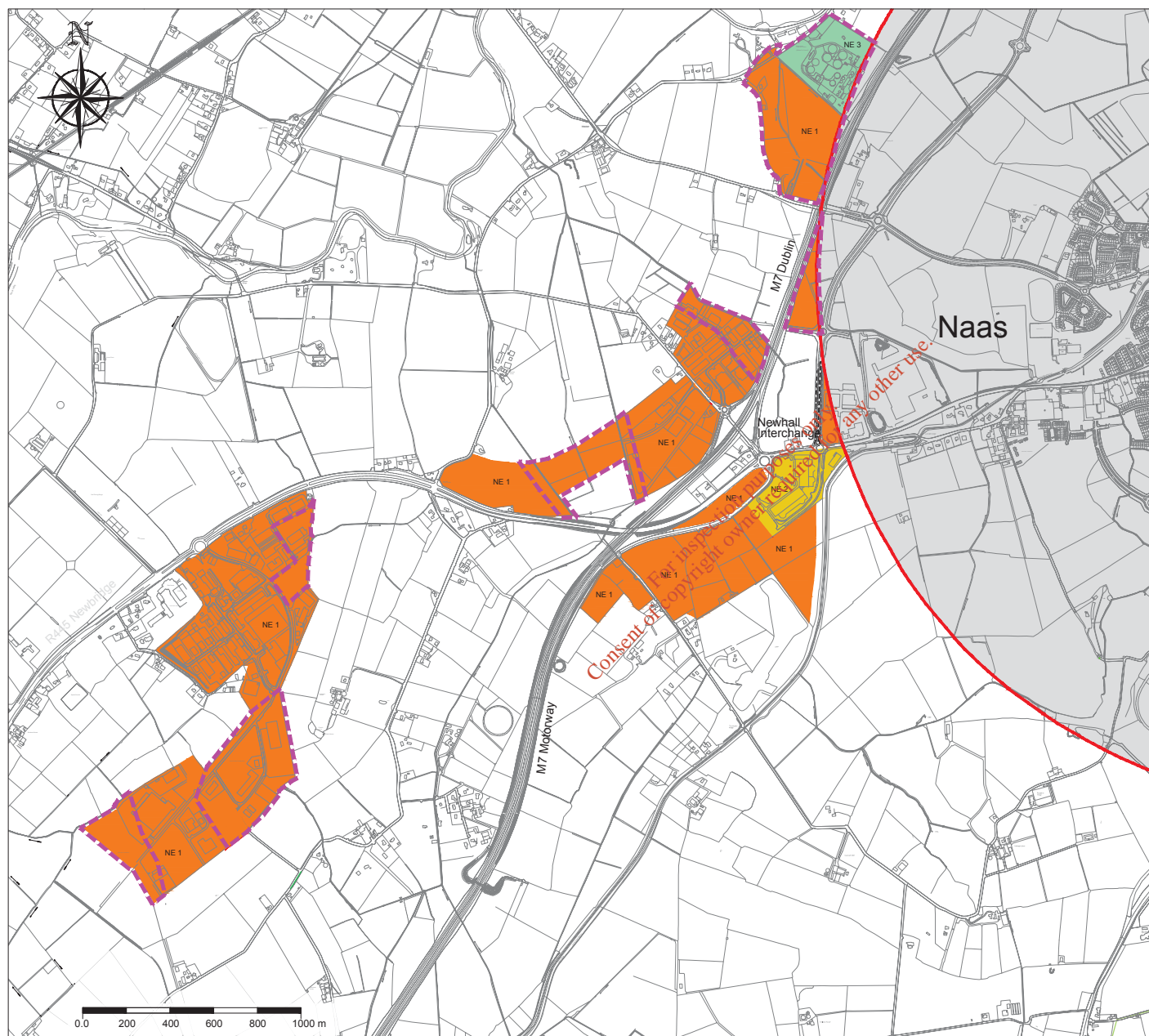
REIS 2.4 ZONING MAP

Development proposals for lands within the Environs plans and outlined thus are to be subject of site-specific Flood Risk Assessment appropriate to the type and scale of the development being proposed.

Naas Environs (West)

| | |
|---|------------------------|
| Scale: N.T.S. | Map Ref: 18.3 |
| Date: 2-May-2011 | Drawing No: 200/10/515 |
| Ordnance Survey Ireland. All rights reserved. Licence No.: 2004/2009CCMA (Kildare County Council) | Drawn By: M.H |

This drawing is to be read in conjunction with the written statement

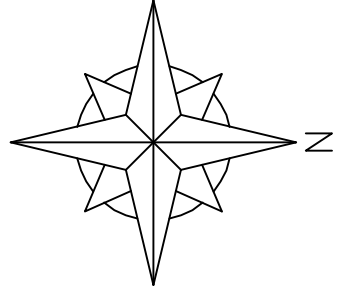


0 25m 50m 75m 100m

HALVERSTOWN

JUNCTION 2

R02



| | | | |
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| REV. | DATE | AMENDMENT | INITIALS |
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CLIENT: REHAB GLASSCO

PROJECT: REMEDIAL ENVIRONMENTAL IMPACT STATEMENT AT OSBERSTOWN INDUSTRIAL PARK, NAAS.

DRAWING: AIR QUALITY (TRAFFIC) RECEPTORS

SCALE: 1:2500 DATE: FEBRUARY 2013 DRAWN BY: B.P.

DRAWING NO. REIS-5.1

REVISION NO.

DRAWING STATUS:

| | |
|------------------|-------------------------------------|
| PRELIMINARY | <input checked="" type="checkbox"/> |
| FOR INFORMATION | <input type="checkbox"/> |
| FOR APPROVAL | <input type="checkbox"/> |
| FOR CONSTRUCTION | <input type="checkbox"/> |

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JUNCTION 1

R01

SITE 16

SITE 18

SITE 13

SITE 17

SITE 15

SITE 12

SITE 1

SITE 2

SITE 3

SITE 10

SITE 9

SITE 8

SITE 6/7

Legend:

A - Air Monitoring Location

D - Dust Monitoring Location

| REV. | DATE. | AMENDMENT. | INITIALS. |
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CLIENT: REHAB GLASSCO

PROJECT: REMEDIAL ENVIRONMENTAL IMPACT STATEMENT AT OSBERTOWN INDUSTRIAL PARK, NAAS.

DRAWING: AIR AND DUST MONITORING LOCATIONS

SCALE: 1:1000 DATE: JANUARY 2013 DRAWN BY: B.P.

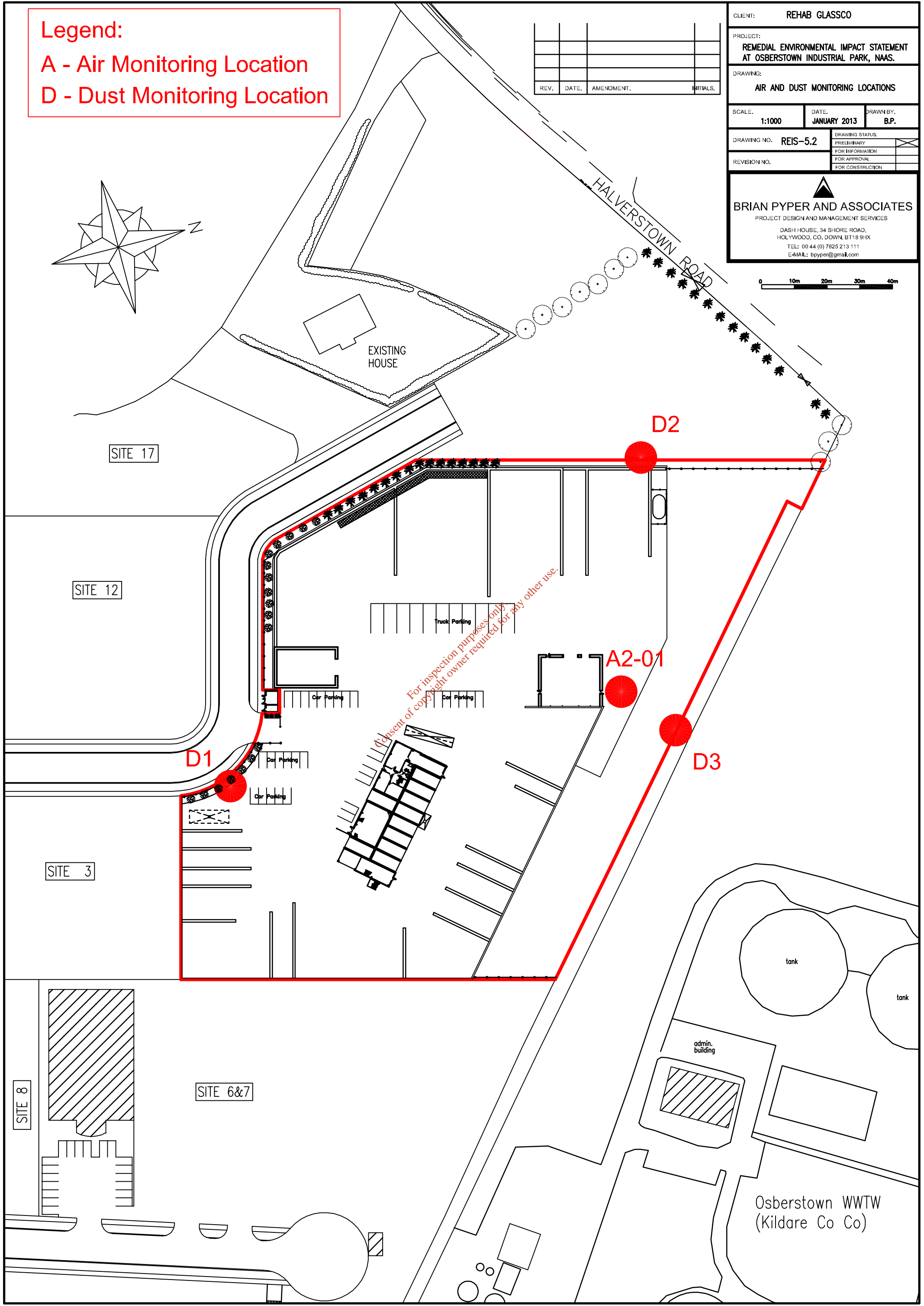
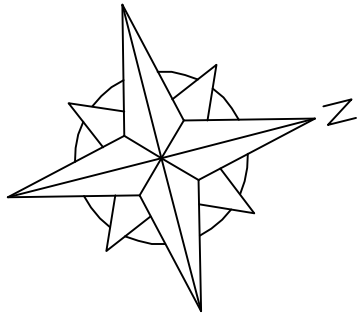
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TEL: 00 44 (0) 7825 213 111
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Osberstown WWTW
(Kildare Co Co)

N - Noise Monitoring Location

| REV. | DATE. | AMENDMENT. | INITIALS. |
|------|-------|------------|-----------|
| | | | |
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PROJECT: REMEDIAL ENVIRONMENTAL IMPACT STATEMENT AT OSBERTOWN INDUSTRIAL PARK, NAAS.

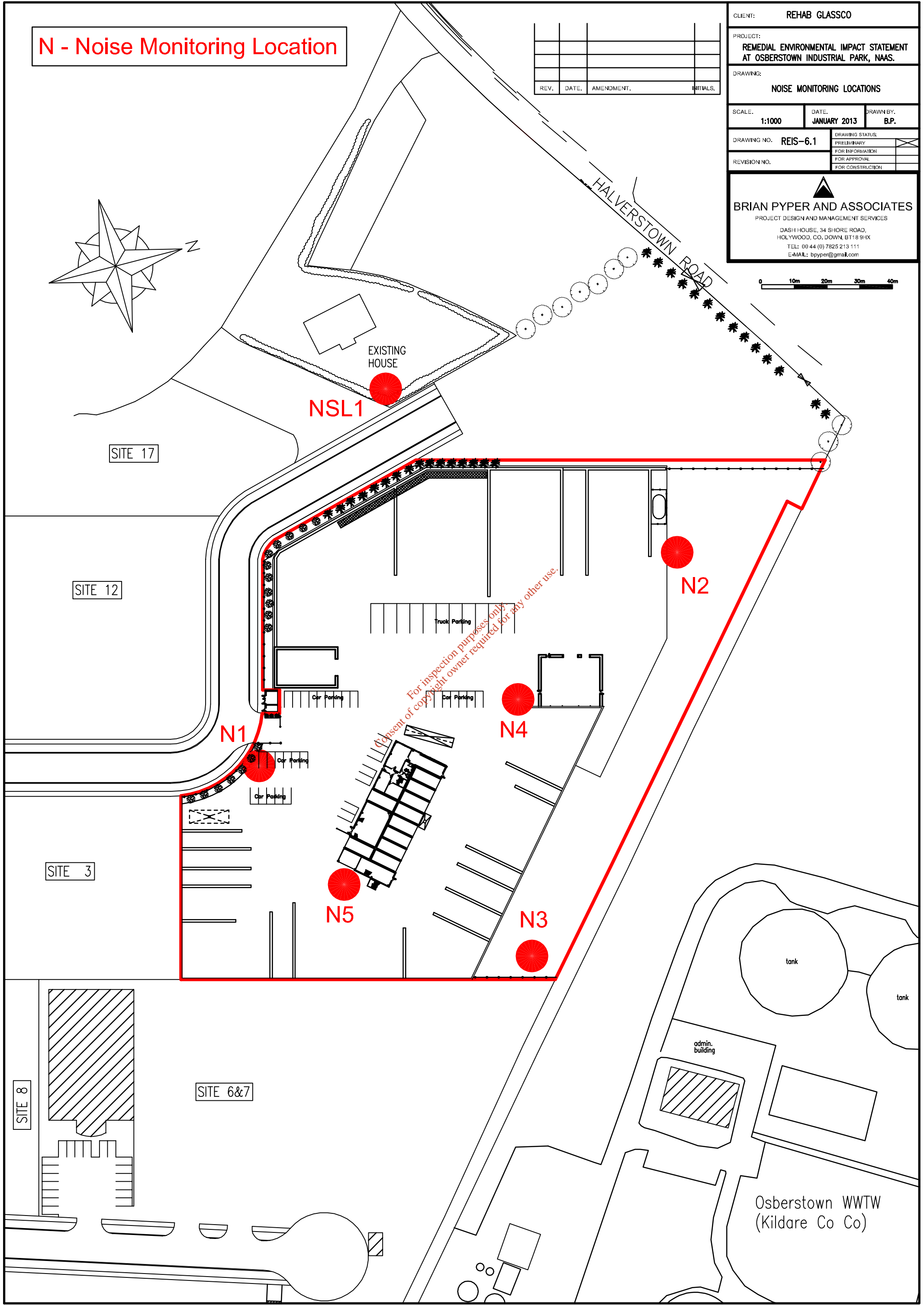
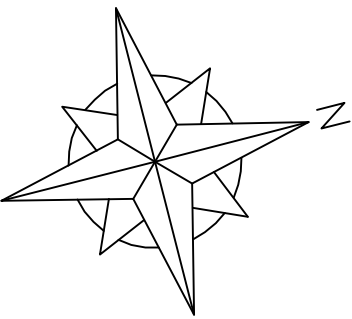
DRAWING: NOISE MONITORING LOCATIONS

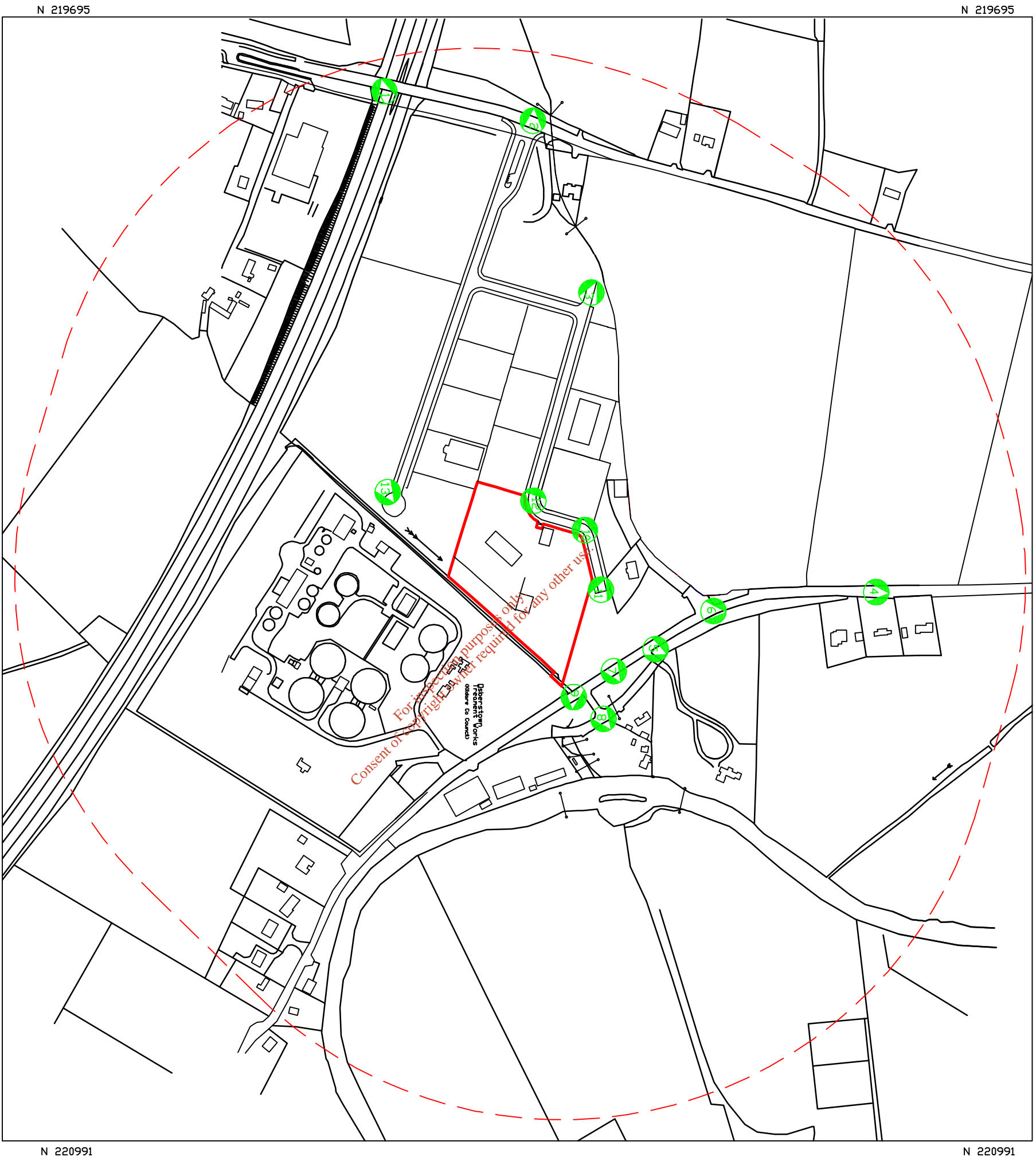
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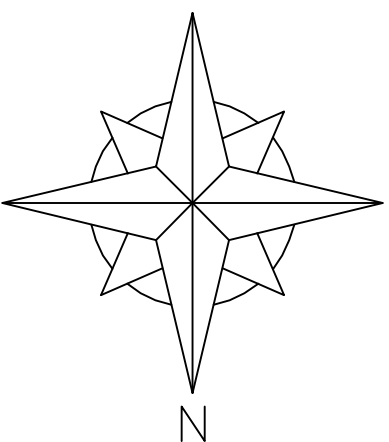
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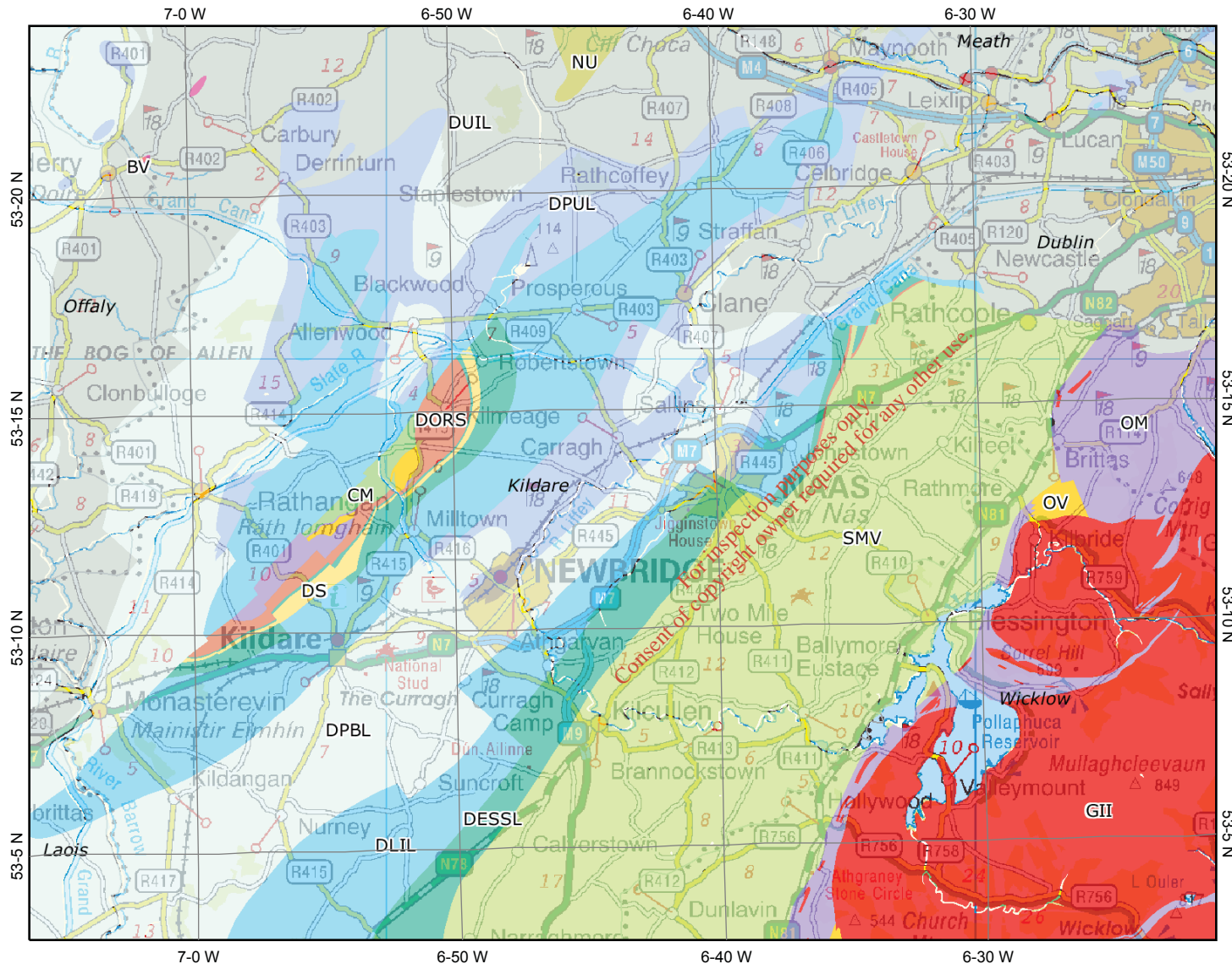


| KEY: | |
|---|----------------------------------|
|  | SITE BOUNDARY |
|  | 500m OFFSET FROM BOUNDARY |
|  | VIEWPOINT LOCATION AND DIRECTION |



REMEDIAL ENVIRONMENTAL IMPACT STATEMENT, REHAB GLASSCO LTD, OSBERSTOWN INDUSTRIAL PK, NAAS.
 VIEWPOINT LOCATIONS SCALE: 1:5000 **DRG No. REIS-7.1** OSI LICENCE No. AR0008613

REHAB GLASSCO R.E.I.S.



Map center: 285044, 219816

Legend

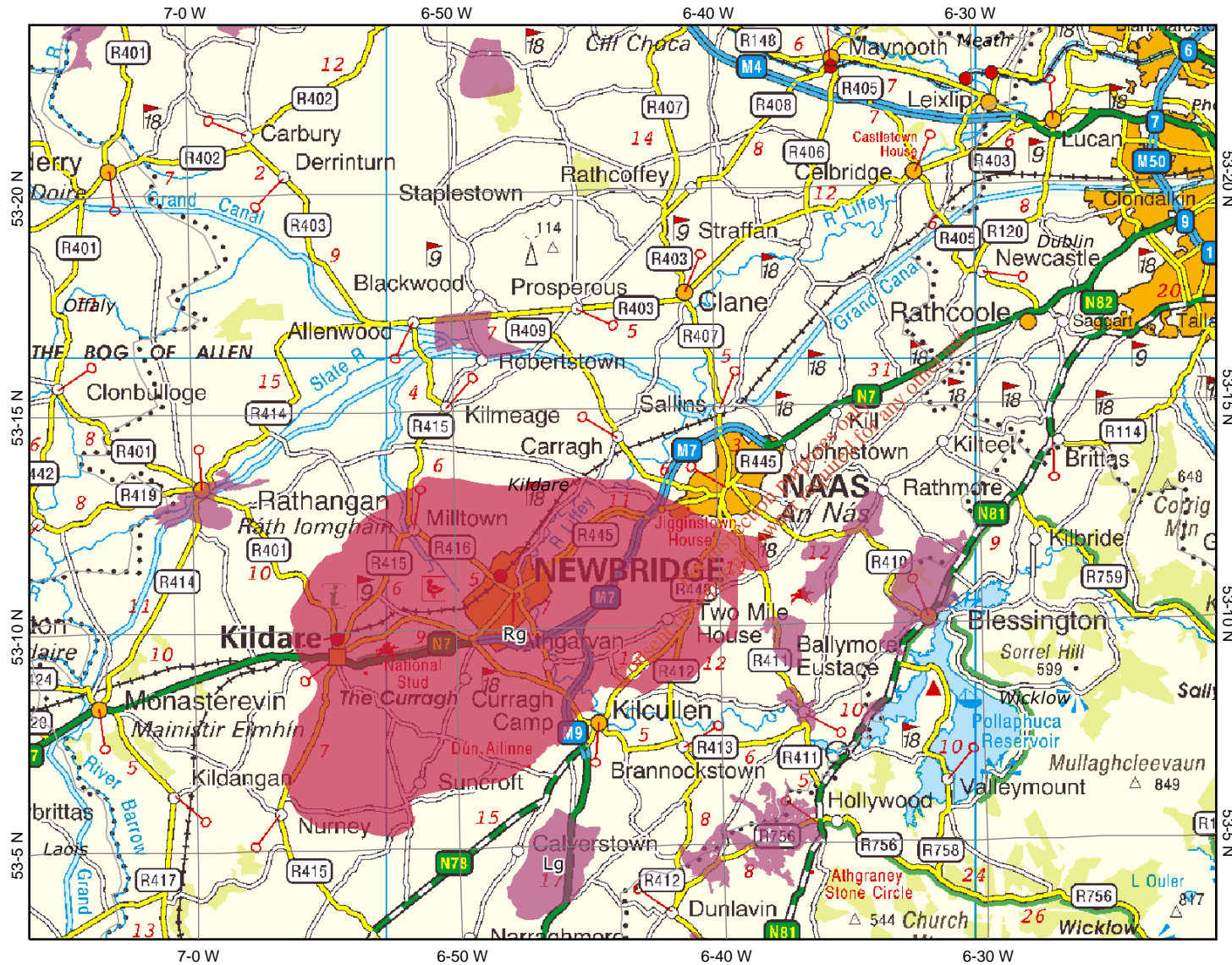
National Draft Generalised Bedrock Map

- BV - Basalts and other Volcanic rocks
- CM - Cambrian Metasediments
- DDL - Dinantian Dolomitised Limestones
- DESSL - Dinantian early Sandstones, Shales and Limestones
- DKS - Devonian Kiltorcan type Sandstones
- DLIL - Dinantian Lower Impure Limestones
- DMSC - Dinantian Mudstones and Sandstones Cork Group
- MSSL - Dinantian Mixed Sandstones, Shales and Limestones
- DORS - Devonian Old Red Sandstones
- DPBL - Dinantian Pure Bedded Limestones
- DPUL - Dinantian Pure Unbedded Limestones
- DS - Dinantian Sandstones
- DSL - Dinantian Shales and Limestones
- DUIL - Dinantian Upper Impure Limestones
- GII - Granites and other Igneous Intrusive rocks
- NSA - Namurian Sandstones
- NSH - Namurian Shales
- NU - Namurian Undifferentiated
- OM - Ordovician Metasediments
- OV - Ordovician volcanics
- PM - Precambrian Marbles
- PQGS - Precambrian Quartzites, Gneisses and Schists
- PTMG - Permo Triassic Mudstones and Gypsum
- PTS - Permo Triassic Sandstones
- SMV - Silurian Metasediments and Volcanics

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Notes: REIS - 9.1 GEOLOGICAL CONTEXT

REHAB GLASSCO R.E.I.S.



Map center: 285044, 219816

Legend

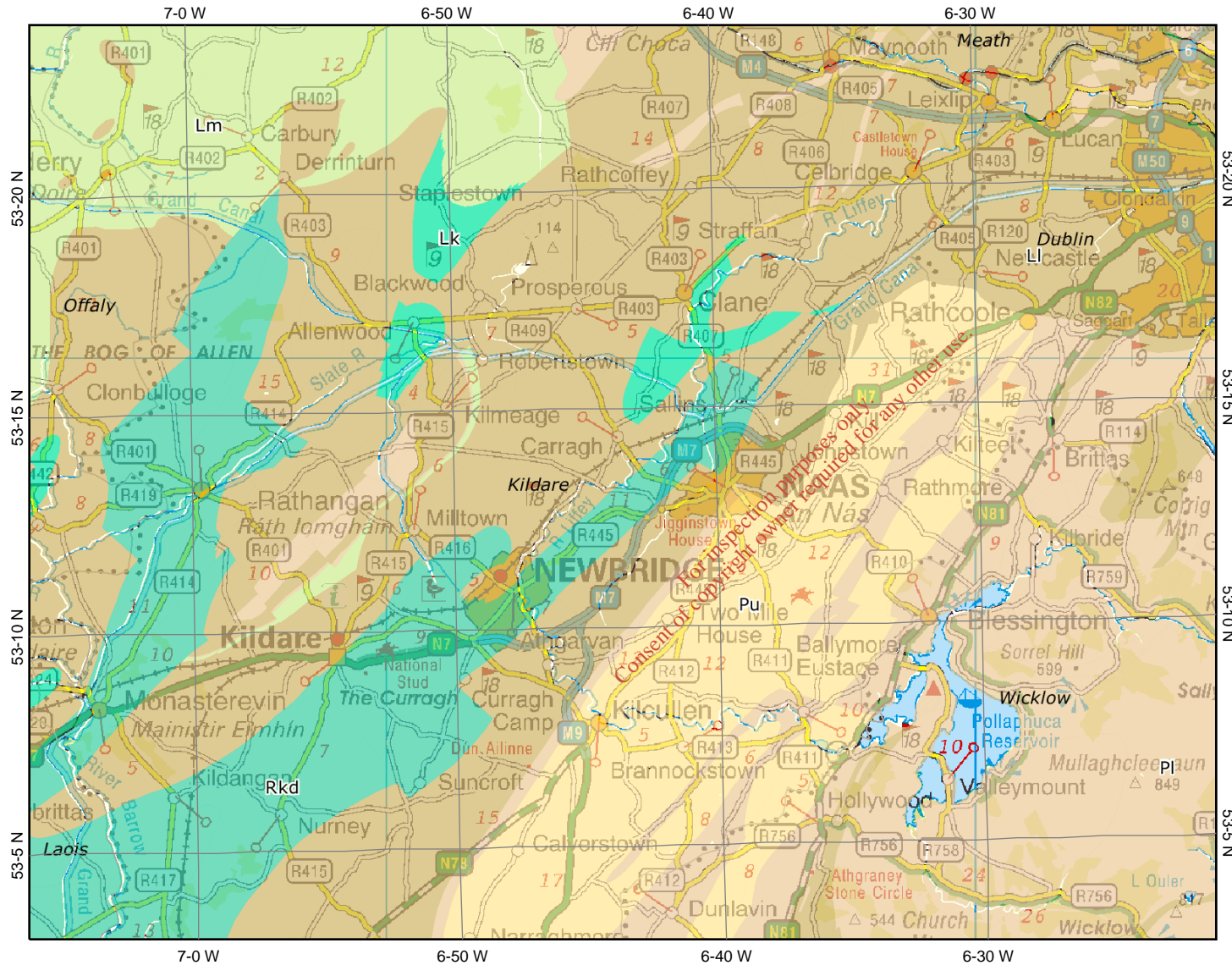
National Draft Gravel Aquifer Map

- Rg - Regionally important, extensive sand/gravels aquifers
- Lg - Locally important, sand/gravel aquifers
- Irish National Seabed Survey Zones (50m-5000m)
- Irish Designated Seabed Zone Bathymetry

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Notes: REIS - 9.2 GRAVEL AQUIFER MAP

REHAB GLASSCO R.E.I.S.



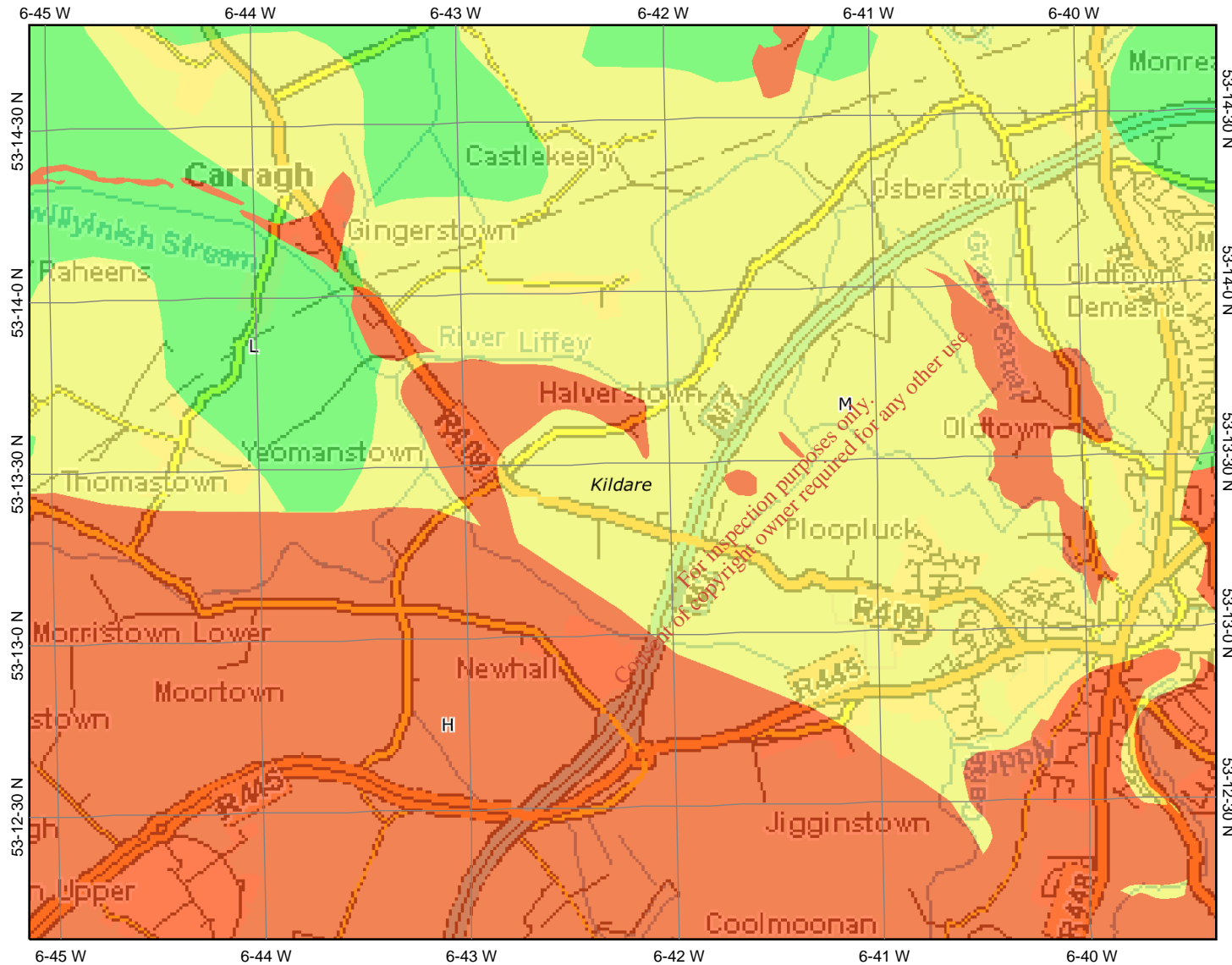
- ### Legend
- National Draft Bedrock Aquifer Map**
- Rf - Regionally Important Aquifer - Fissured bedrock
 - Rk - Regionally Important Aquifer - Karstified
 - Rkd - Regionally Important Aquifer - Karstified (diffuse)
 - Rkc - Regionally Important Aquifer - Karstified (conduit)
 - Lm - Locally Important Aquifer - Bedrock which is Generally Moderately Productive
 - Lk - Locally Important Aquifer - Karstified
 - Ll - Locally Important Aquifer - Bedrock which is Moderately Productive only in Local Zones
 - Pi - Poor Aquifer - Bedrock which is Generally Unproductive except for Local Zones
 - Pu - Poor Aquifer - Bedrock which is Generally Unproductive
 - Unclassified
 - Irish National Seabed Survey Zones (50m-5000m)
-
- Irish Designated Seabed Zone Bathymetry

Map center: 285044, 219816

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Notes: REIS - 9.3 BEDROCK AQUIFER MAP

REHAB GLASSCO R.E.I.S.



Map center: 286557, 220081

Legend

Vulnerability

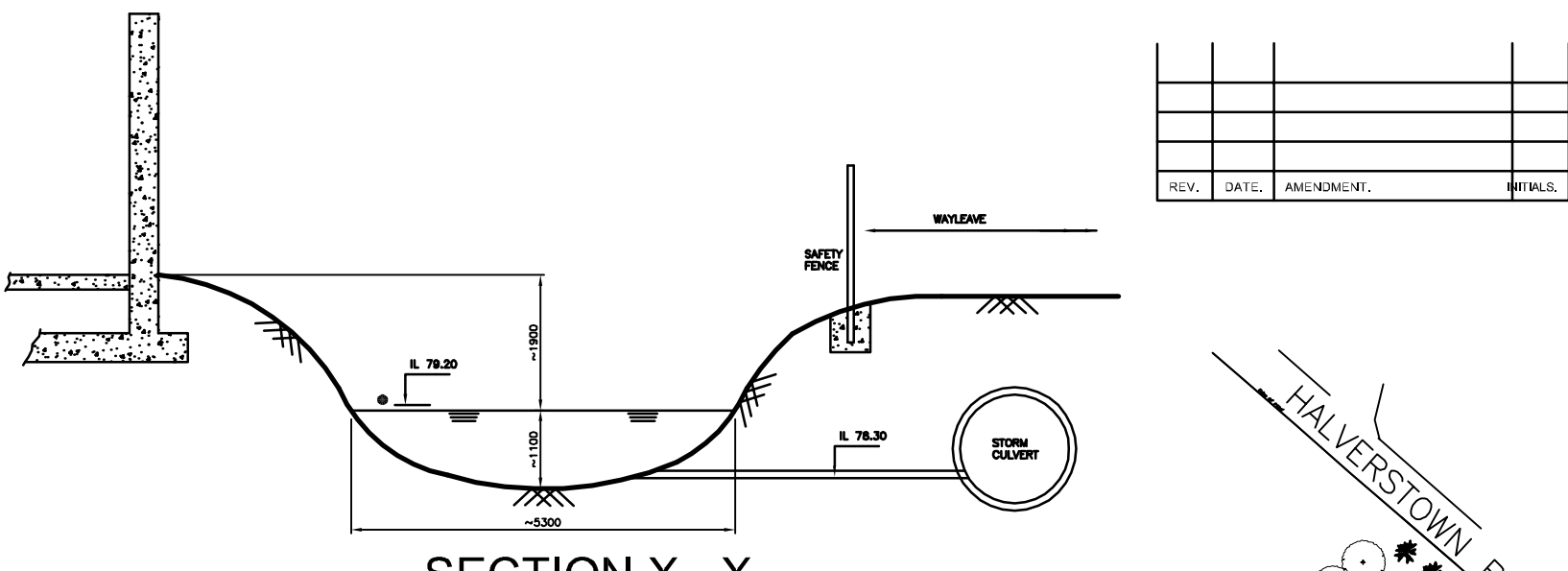
- X (Rock near Surface or Karst)
- E - Extreme
- H - High
- M - Moderate
- L - Low
- HL - High to Low. Only an interim study took place.
- Water
- No Data Available
- Irish National Seabed Survey Zones (50m-5000m)
- Irish Designated Seabed Zone Bathymetry

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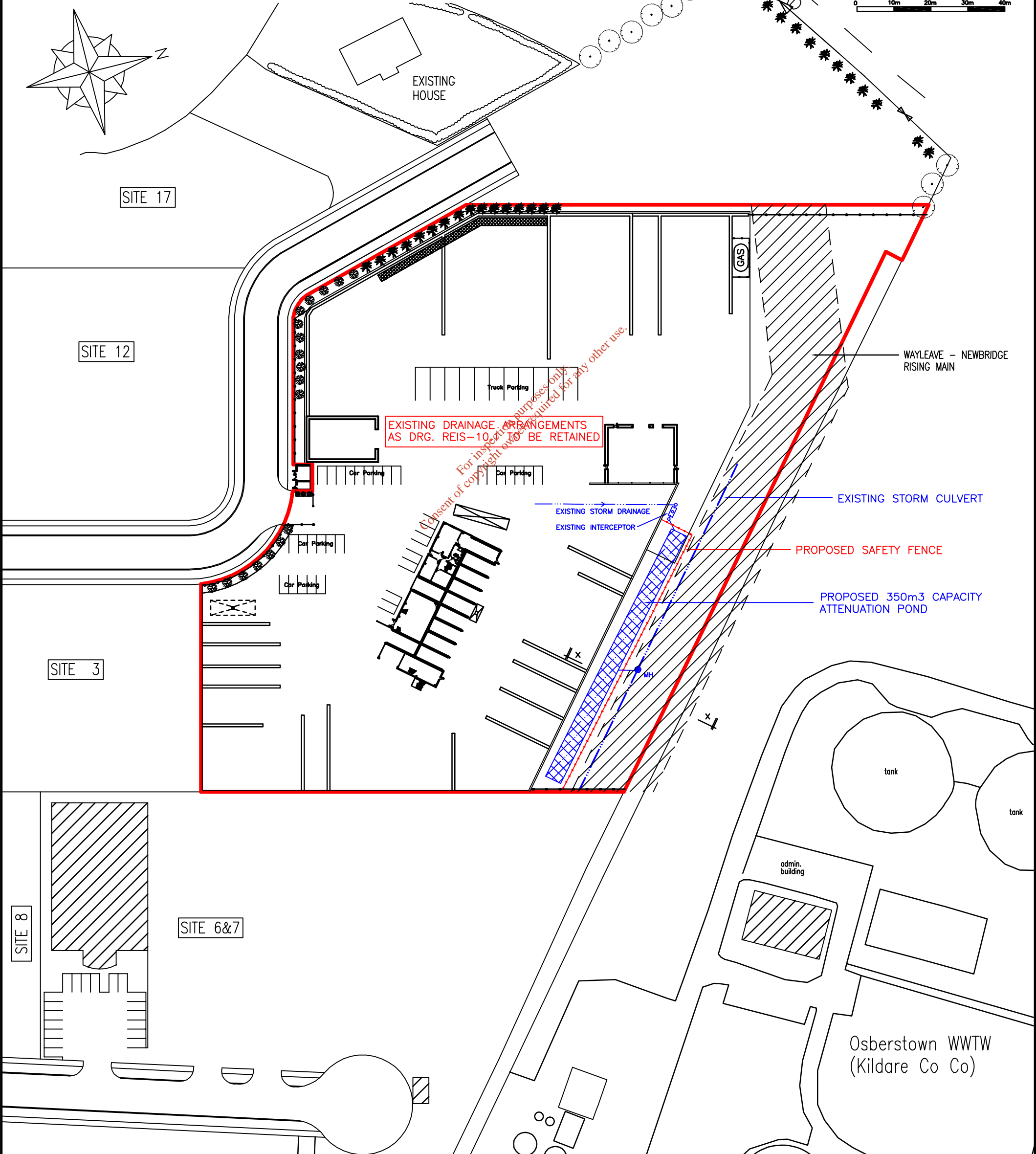
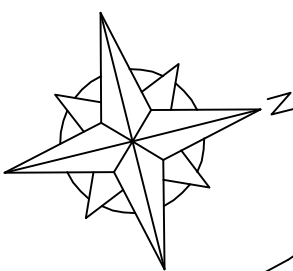
Notes: REIS - 9.4 GROUNDWATER VULNERABILITY

| | | | |
|--|------------------------|---|--|
| CLIENT: REHAB GLASSCO | | | |
| PROJECT: REMEDIAL ENVIRONMENTAL IMPACT STATEMENT AT OSBERTOWN INDUSTRIAL PARK, NAAS. | | | |
| DRAWING: PROPOSED ATTENUATION LAYOUT | | | |
| SCALE: 1:1000 1:100 | DATE: NOVEMBER 2012 | DRAWN BY: B.P. | |
| DRAWING NO.: REIS-10.2 | | DRAWING STATUS: PRELIMINARY FOR INFORMATION FOR APPROVAL FOR CONSTRUCTION | |
| REVISION NO. | | | |

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SECTION X - X



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WAYLEAVE - NEWBRIDGE RISING MAIN

EXISTING DRAINAGE ARRANGEMENTS AS DRG. REIS-10 TO BE RETAINED

EXISTING STORM CULVERT

PROPOSED SAFETY FENCE

PROPOSED 350m3 CAPACITY ATTENUATION POND

tank

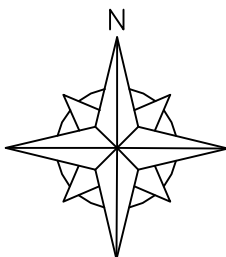
tank

admin. building

Osbertown WWTW
(Kildare Co Co)




(Source: www.erbd.ie)



● SITE LOCATION

| REV. | DATE. | AMENDMENT. | INITIALS. |
|------|-------|------------|-----------|
| | | | |
| | | | |
| | | | |

| | | |
|---|---|-------------------|
| CLIENT: REHAB GLASSCO | | |
| PROJECT: REMEDIAL ENVIRONMENTAL IMPACT STATEMENT AT OSBERSTOWN INDUSTRIAL PARK, NAAS. | | |
| DRAWING: MAP OF EASTERN RIVER BASIN WATER MANAGEMENT UNITS | | |
| SCALE: NTS | DATE: FEBRUARY 2013 | DRAWN BY: B.P. |
| DRAWING NO. REIS-10.3 | DRAWING STATUS: | |
| REVISION NO. | PRELIMINARY <input checked="" type="checkbox"/> | |
| | FOR INFORMATION <input type="checkbox"/> | |
| | FOR APPROVAL <input type="checkbox"/> | |
| | FOR CONSTRUCTION <input type="checkbox"/> | |
|  BRIAN PYPER AND ASSOCIATES PROJECT DESIGN AND MANAGEMENT SERVICES DASH HOUSE, 34 SHORE ROAD, HOLYWOOD, CO. DOWN, BT18 9HX TEL: 00 44 (0) 7825 213 111 E-MAIL: bpyper@gmail.com | | |