

## **List of Drawings**

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Drawing WLA-07 (Attachment D.1): Unit Operations

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Drawing WLA-09 (Attachment D.1): Main Process (Sorting) Plant General Layouts (Sheet 2)

Drawing WLA-10 (Attachment D.1): Main Process (Sorting) Plant – Elevations and Section

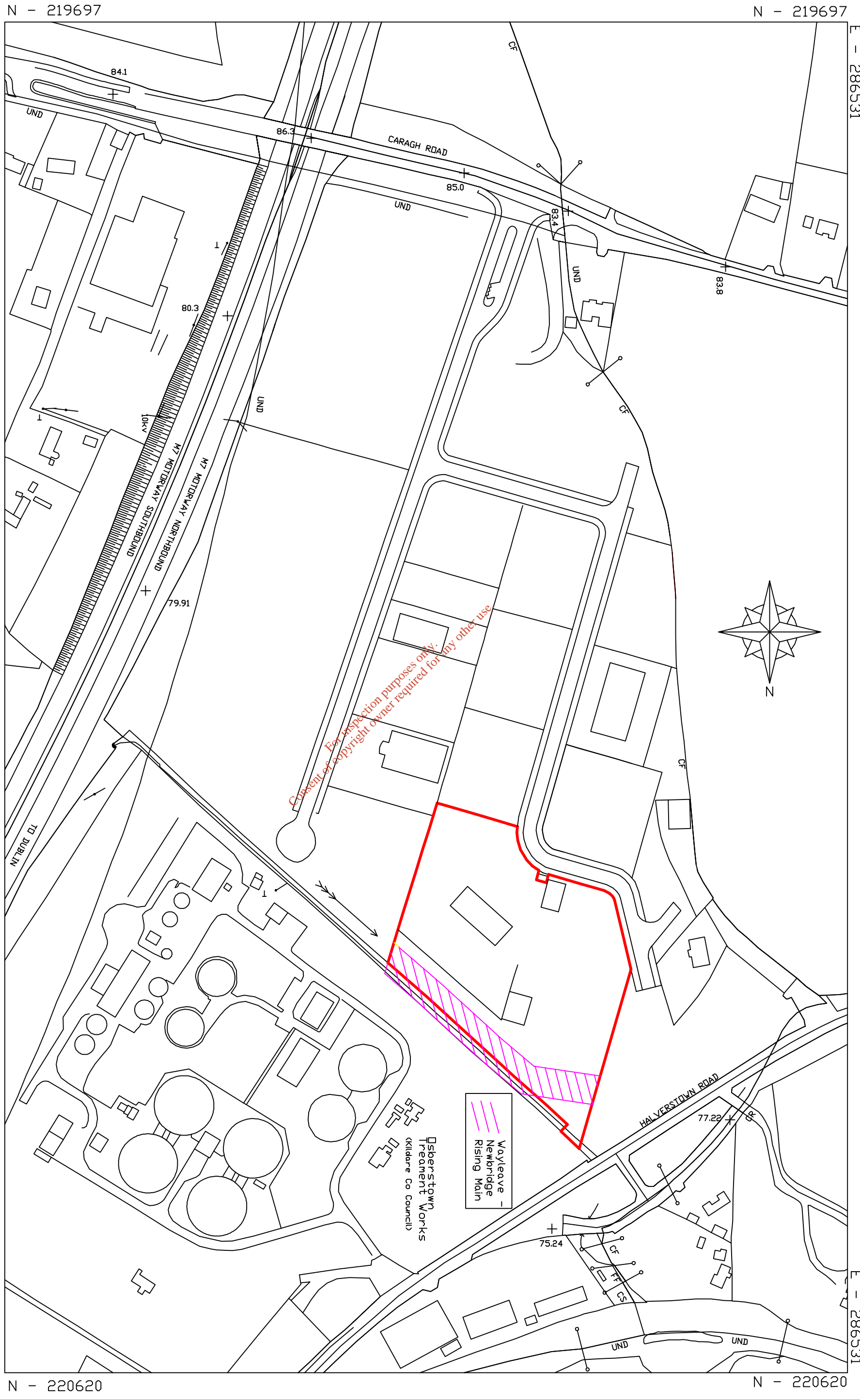
Drawing WLA-11 (Attachment D.1): Garage Building – Plans, Elevations and Section

Drawing WLA-12 (Attachment D.1): Drying Plant Building – Plans, Elevations and Section

Drawing WLA-13 (Attachment E): Emissions Points

Drawing WLA-14 (Attachment F): Monitoring Locations





N - 219697

N - 219697

E - 287106

E - 286531

E - 287106

E - 286531

N - 220620

N - 220620

EPA WASTE LICENCE APPLICATION, ODSBERSTOWN BUSINESS PK, NAAS.  
 SITE LOCATION PLAN SCALE: 1:2500

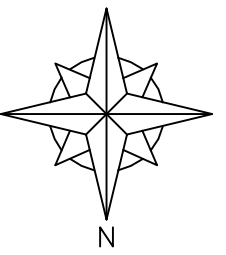
**DRG No. WLA-01**

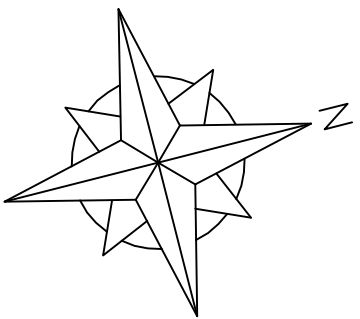
DSI LICENCE NO. EN0060108

BRIAN PYPER AND ASSOCIATES  
 DASH HOUSE, 34 SHORE ROAD,  
 HOLLYWOOD, CO. DUBLIN, B118 9HX  
 TEL: 00 44 28 9039 3395  
 FAX: 00 44 28 9039 3396  
 MOB: 00 44 7825 213 111

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Wayleave -  
 Newbridge  
 Rising Main





REV.	DATE	AMENDMENT	INITIALS

CLIENT: REHAB GLASSCO

PROJECT: EPA WASTE LICENCE APPLICATION  
OSBERTOWN BUSINESS PARK, NAAS.

DRAWING: OWNERSHIP PLAN

SCALE: 1:1000      DATE: APRIL 2011      DRAWN BY: B.P.

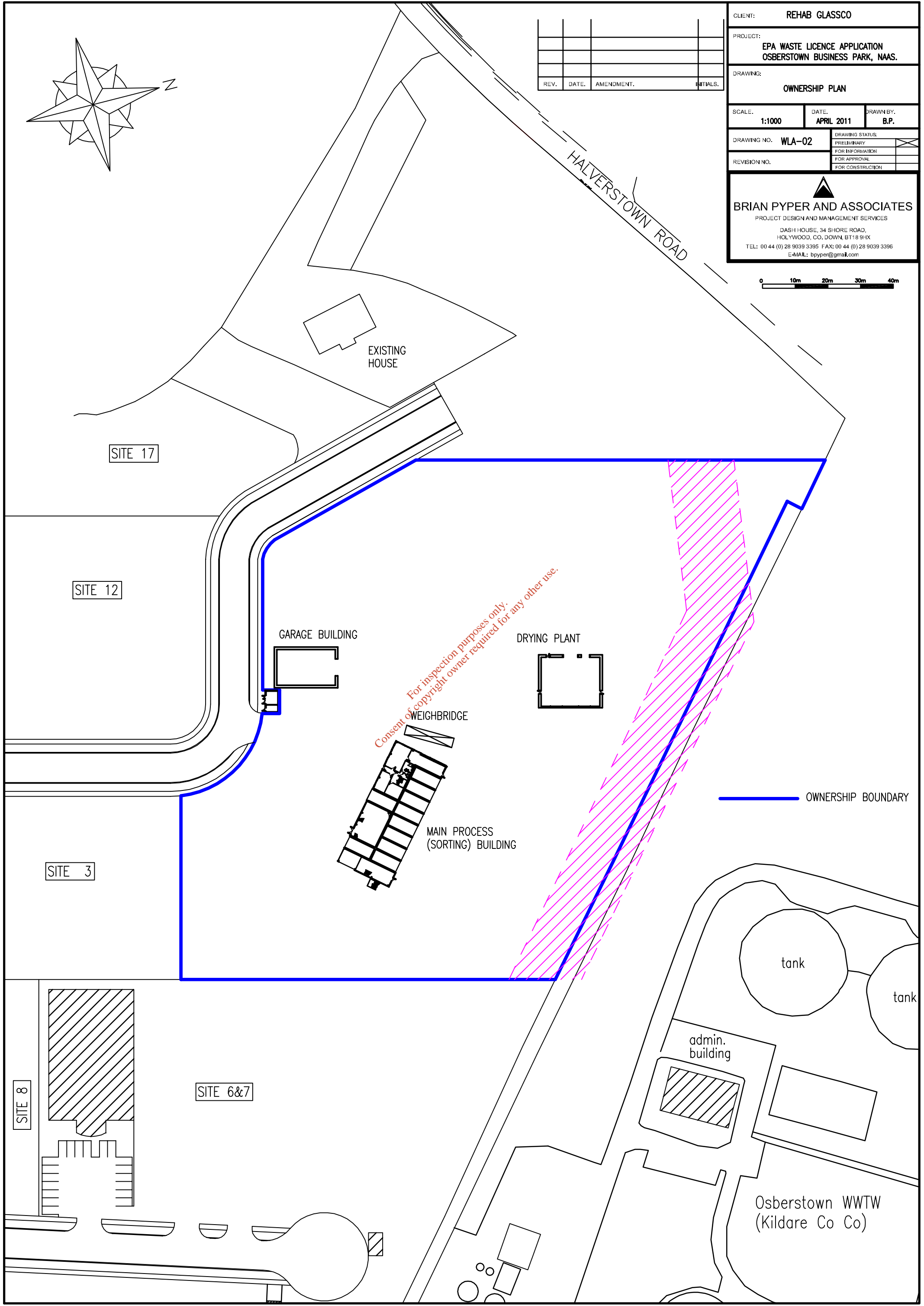
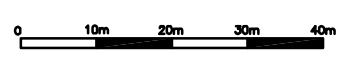
DRAWING NO. WLA-02      DRAWING STATUS: PRELIMINARY

REVISION NO.      FOR INFORMATION

FOR APPROVAL

FOR CONSTRUCTION

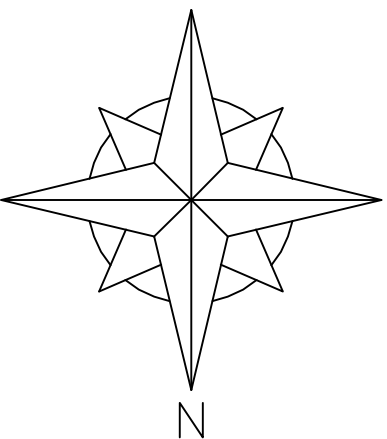
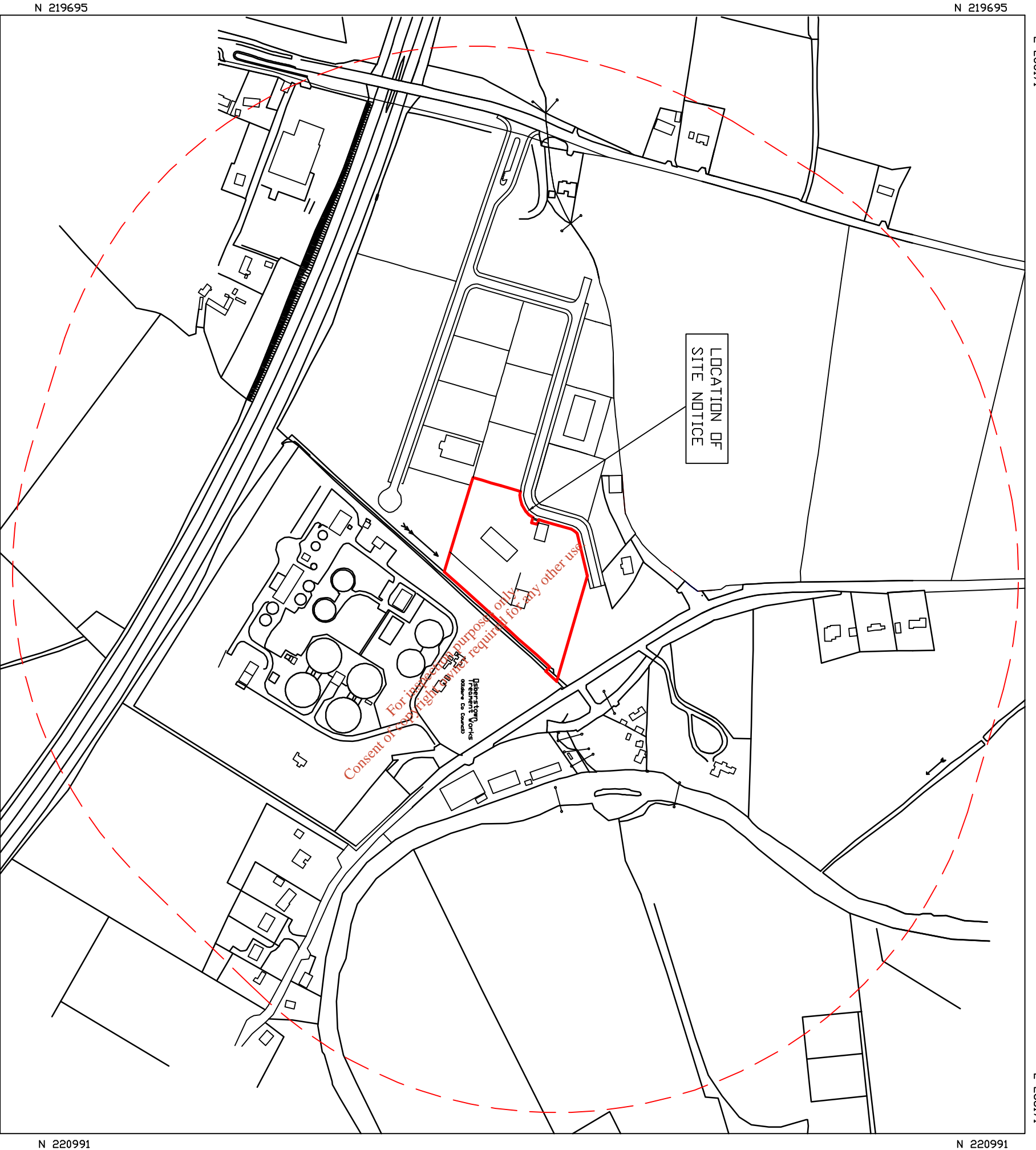
**BRIAN PYPER AND ASSOCIATES**  
PROJECT DESIGN AND MANAGEMENT SERVICES  
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HOLYWOOD, CO. DOWN, BT18 9HX  
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— OWNERSHIP BOUNDARY

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Osberstown WWTW  
(Kildare Co Co)



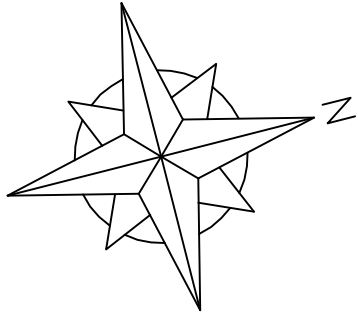
KEY:	
	SITE BOUNDARY
	500m OFFSET FROM BOUNDARY

EPA WASTE LICENCE APPLICATION, OSBERSTOWN BUSINESS PK, NAAS.  
 SITE LOCATION PLAN SCALE: 1:5000

**DRG No. WLA-03**

DSI LICENCE NO. EN0060108

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 FAX: 00 44 28 9039 3396



REV.	DATE.	AMENDMENT.	INITIALS.

CLIENT: REHAB GLASSCO

PROJECT: EPA WASTE LICENCE APPLICATION OSBERSTOWN BUSINESS PARK, NAAS.

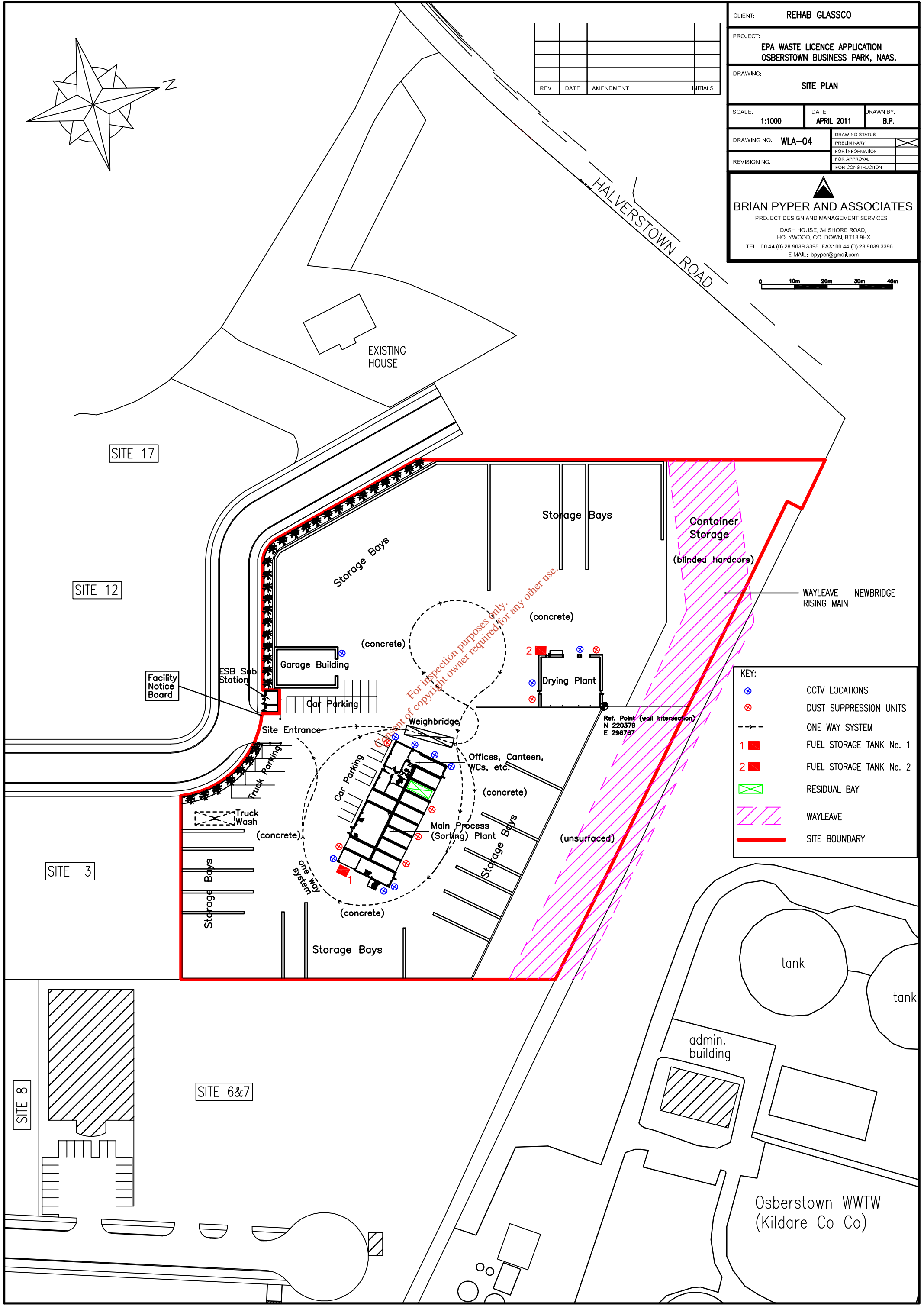
DRAWING: SITE PLAN

SCALE: 1:1000 DATE: APRIL 2011 DRAWN BY: B.P.

DRAWING NO. WLA-04 DRAWING STATUS: PRELIMINARY FOR INFORMATION FOR APPROVAL FOR CONSTRUCTION

REVISION NO.

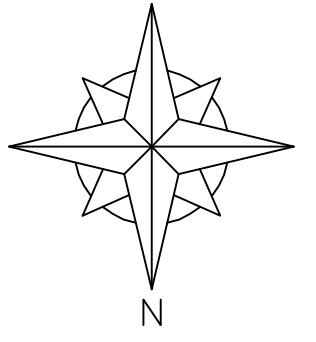
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 E-MAIL: bpyper@gmail.com



KEY:

- CCTV LOCATIONS
- DUST SUPPRESSION UNITS
- ONE WAY SYSTEM
- FUEL STORAGE TANK No. 1
- FUEL STORAGE TANK No. 2
- RESIDUAL BAY
- WAYLEAVE
- SITE BOUNDARY

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250M OFFSET

AGRICULTURAL LAND  
NO KNOWN SERVICES

SERVICES TO PUBLIC  
ROAD NOT KNOWN

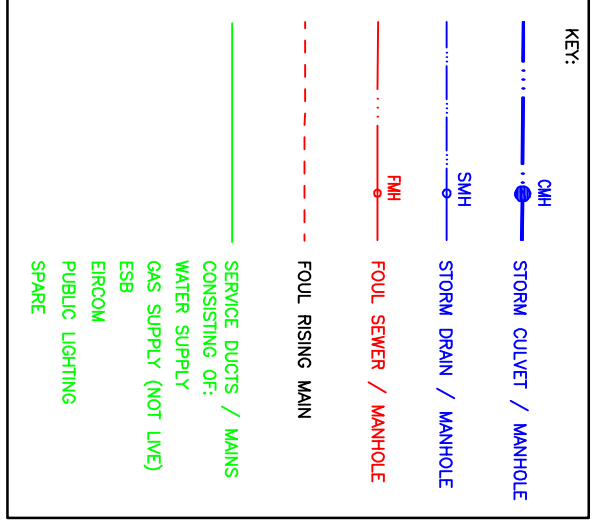
SERVICES TO WWTP  
NOT KNOWN

Osberstown  
Treatment Works  
(Kildare Co Council)

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Not of copyright owner requirement for any other use.

250M OFFSET

KEY:

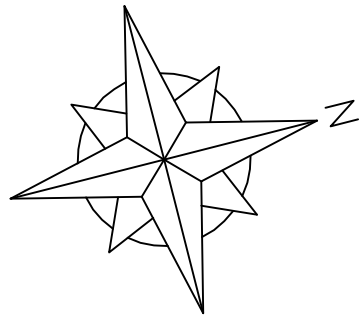


REV.	DATE	AMENDMENT	INITIALS

CLIENT: REHAB GLASSCO  
PROJECT: EPA WASTE LICENCE APPLICATION  
OSBERSTOWN BUSINESS PARK, NAAS.

DRAWING: SERVICES PLAN	
SCALE: 1:2500	DATE: MAY 2011
DRAWING NO. WLA-05	DRAWN BY: BP
REVISION NO.	REVISION STATUS
	PRELIMINARY
	FOR INFORMATION
	FOR APPROVAL
	FOR CONSTRUCTION

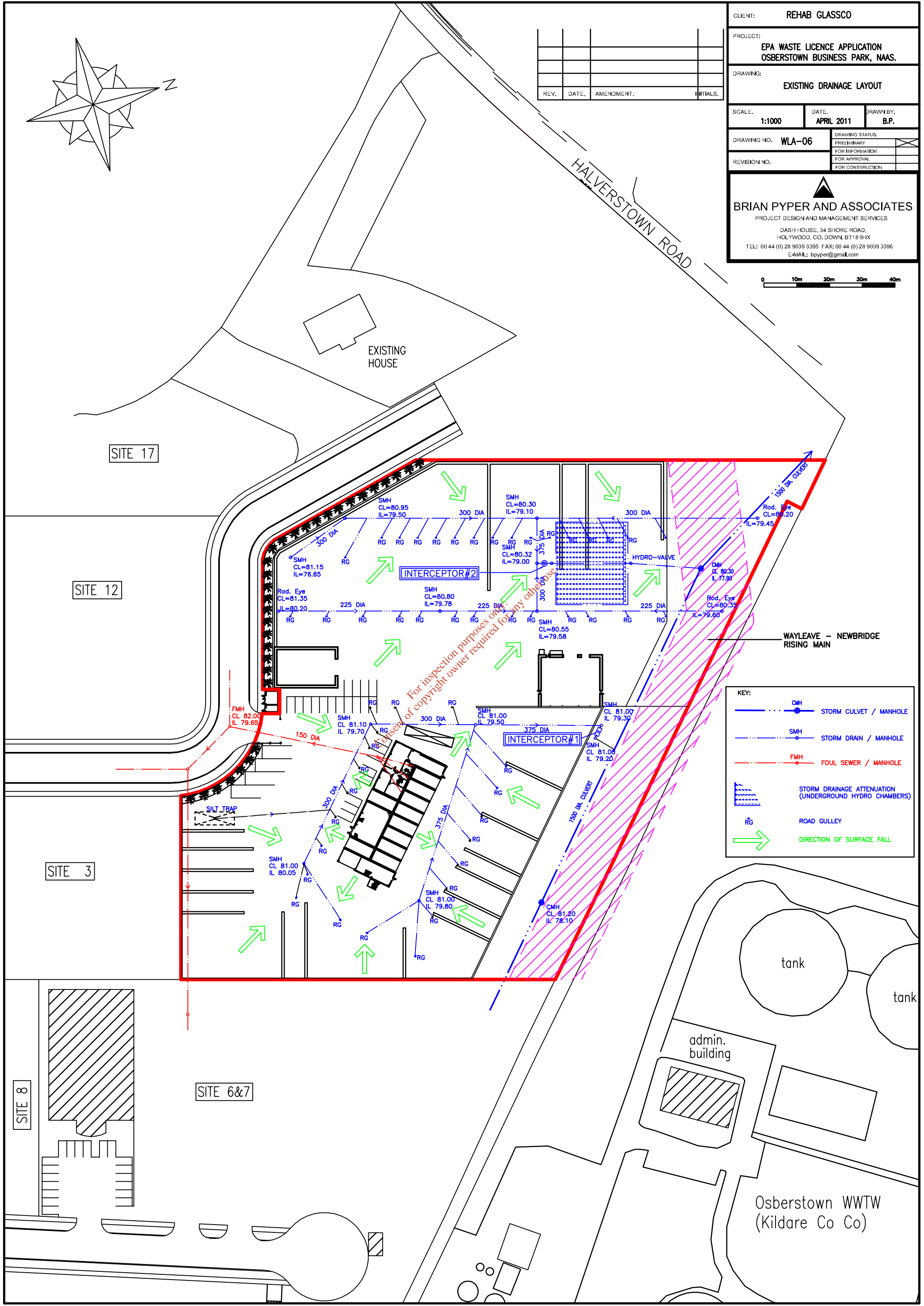
**BRIAN PYPYER AND ASSOCIATES**  
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EMAIL: bryper@brna.com



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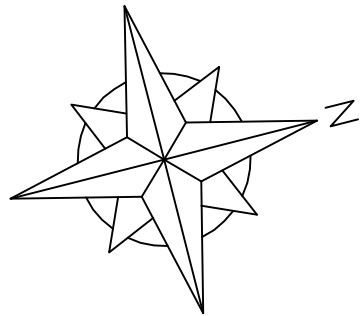
CLIENT:	REHAB GLASSCO		
PROJECT:	EPA WASTE LICENCE APPLICATION OSBERSTOWN BUSINESS PARK, NAAS.		
DRAWING:	EXISTING DRAINAGE LAYOUT		
SCALE:	1:1000	DATE:	APRIL 2011
		DRAWN BY:	B.P.
DRAWING NO.:	WLA-06	DRAWING STATUS:	PRELIMINARY
REVISION NO.:			FOR INFORMATION
			FOR APPROVAL
			FOR CONSTRUCTION

  
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KEY:	
	CMH STORM CULVERT / MANHOLE
	SMH STORM DRAIN / MANHOLE
	FMH FOUL SEWER / MANHOLE
	STORM DRAINAGE ATTENUATION (UNDERGROUND HYDRO CHAMBERS)
	ROAD GULLY
	DIRECTION OF SURFACE FALL



REV.	DATE.	AMENDMENT.	INITIALS.

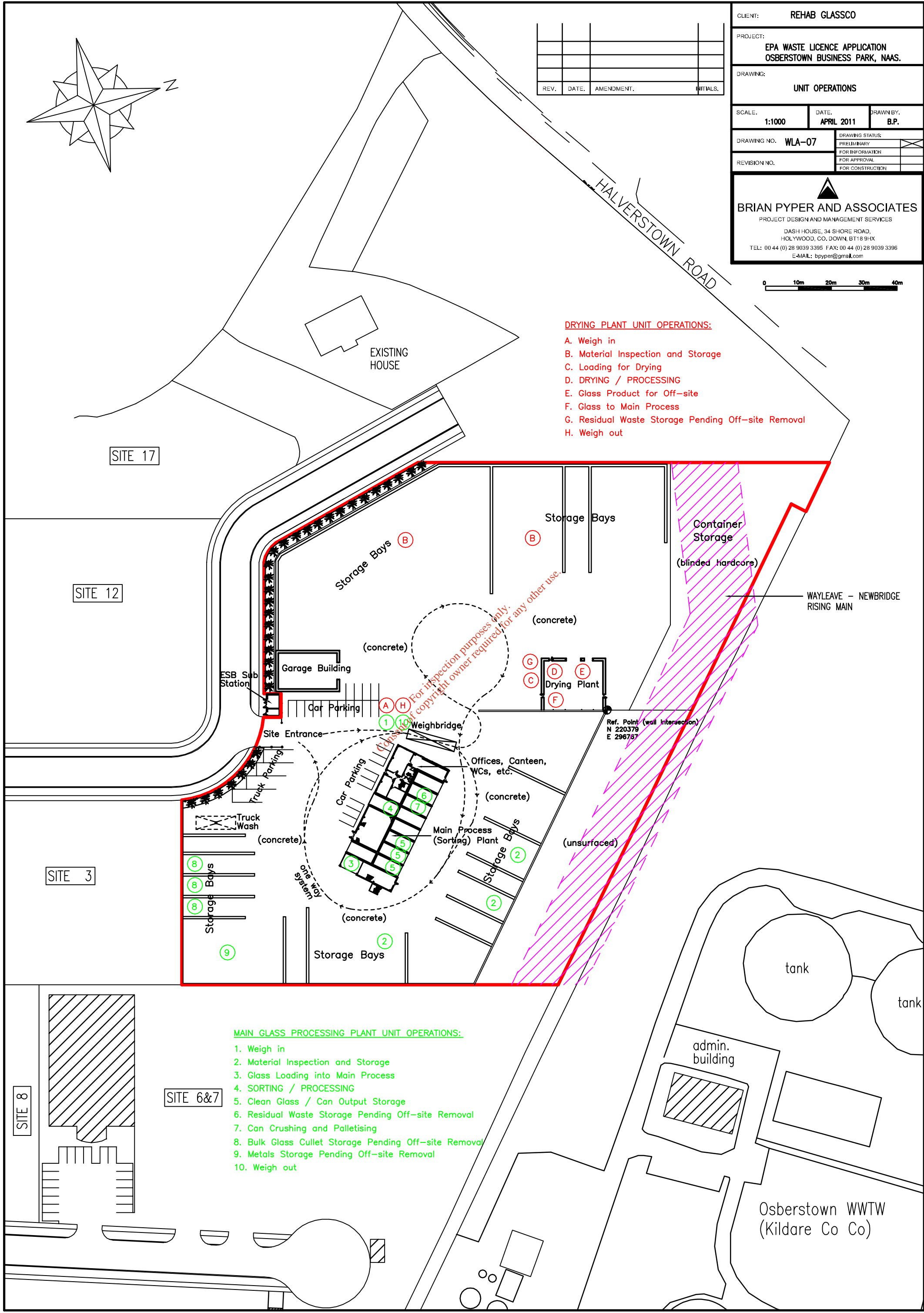
CLIENT:	REHAB GLASSCO		
PROJECT:	EPA WASTE LICENCE APPLICATION OSBERTOWN BUSINESS PARK, NAAS.		
DRAWING:	UNIT OPERATIONS		
SCALE:	1:1000	DATE:	APRIL 2011
		DRAWN BY:	B.P.
DRAWING NO.:	WLA-07	DRAWING STATUS:	PRELIMINARY
REVISION NO.:			FOR INFORMATION
			FOR APPROVAL
			FOR CONSTRUCTION

  
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 E-MAIL: bpyper@gmail.com



**DRYING PLANT UNIT OPERATIONS:**

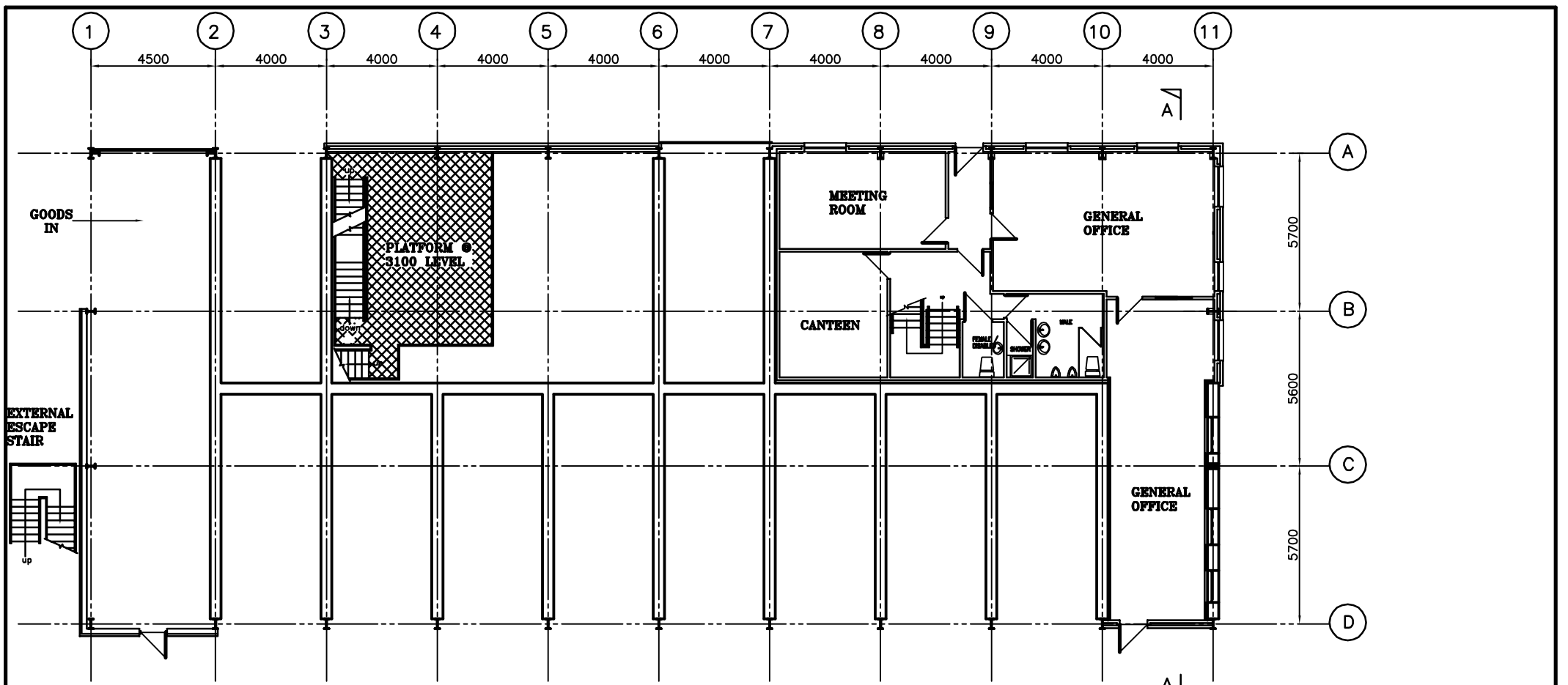
- A. Weigh in
- B. Material Inspection and Storage
- C. Loading for Drying
- D. DRYING / PROCESSING
- E. Glass Product for Off-site
- F. Glass to Main Process
- G. Residual Waste Storage Pending Off-site Removal
- H. Weigh out



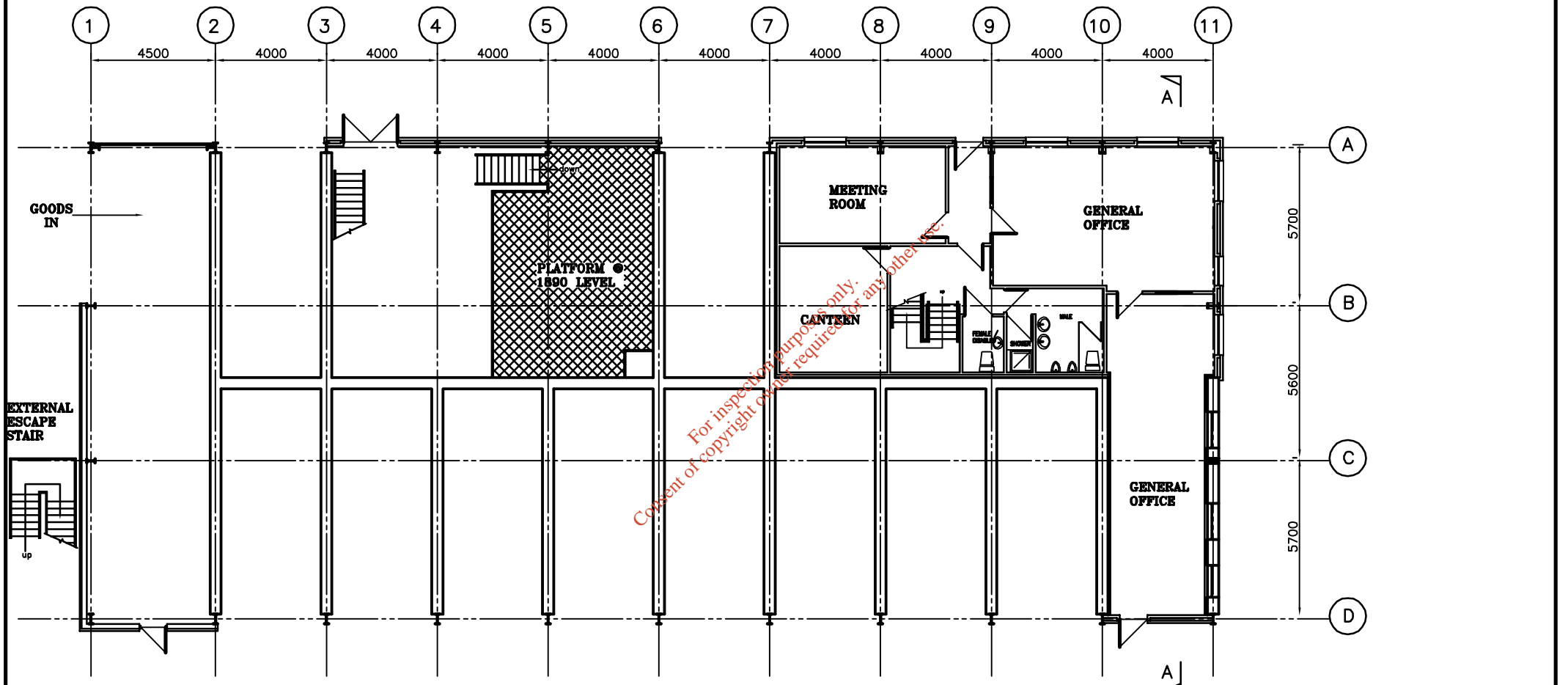
**MAIN GLASS PROCESSING PLANT UNIT OPERATIONS:**

- 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

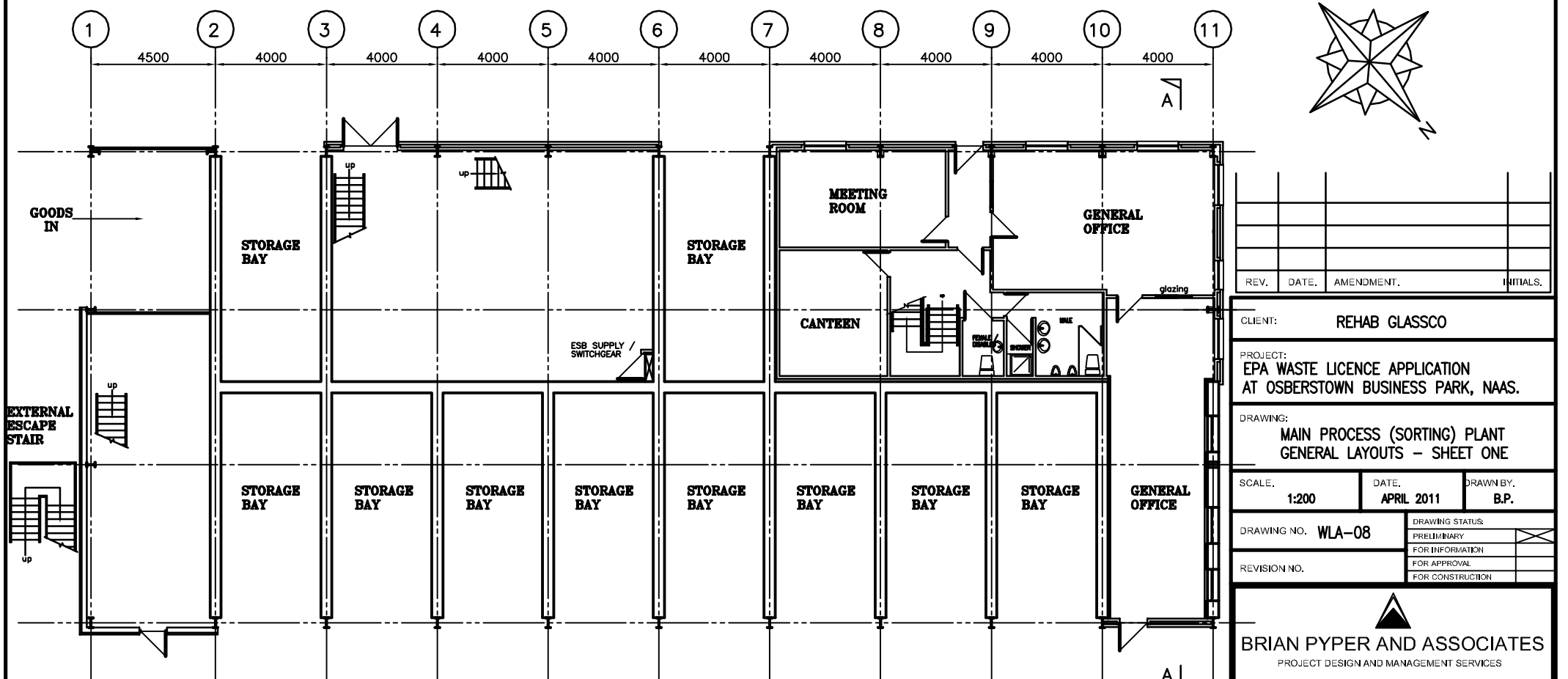




PLAN AT LEVEL 3100mm



PLAN AT LEVEL 1890mm



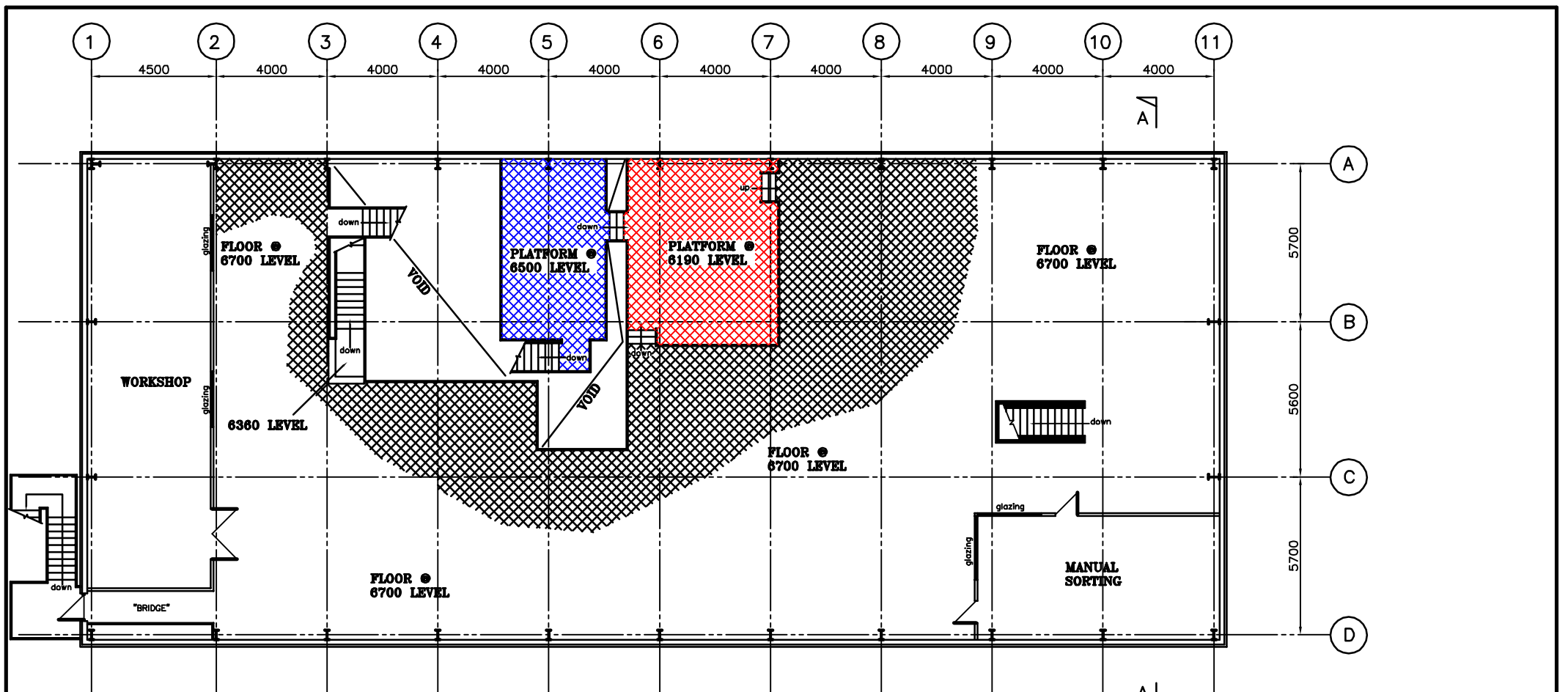
GROUND FLOOR PLAN - (LEVEL 000mm)

REV.	DATE	AMENDMENT	INITIALS

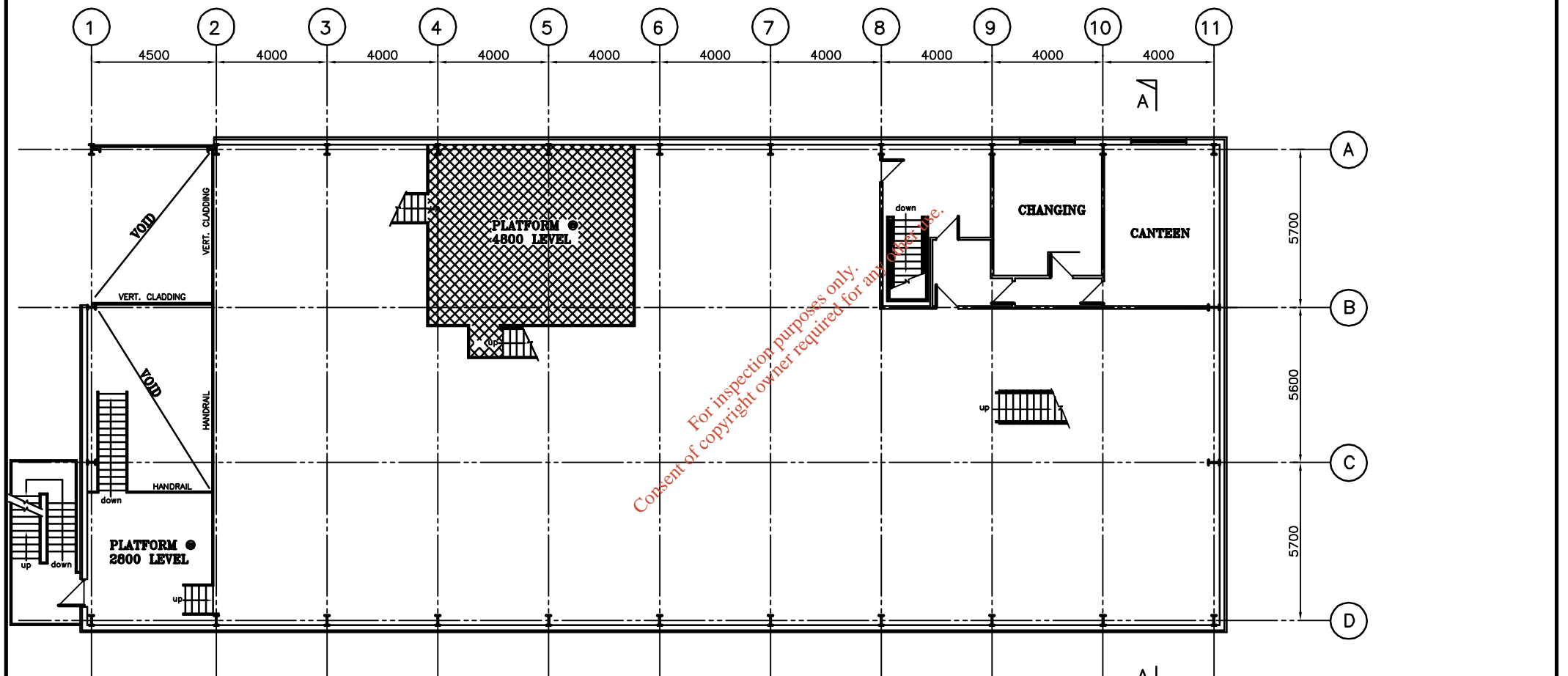
CLIENT: REHAB GLASSCO  
 PROJECT: EPA WASTE LICENCE APPLICATION AT OSBERSTOWN BUSINESS PARK, NAAS.  
 DRAWING: MAIN PROCESS (SORTING) PLANT GENERAL LAYOUTS - SHEET ONE  
 SCALE: 1:200    DATE: APRIL 2011    DRAWN BY: B.P.  
 DRAWING NO. WLA-08    DRAWING STATUS: PRELIMINARY  
 REVISION NO.    FOR INFORMATION:    FOR APPROVAL:    FOR CONSTRUCTION:

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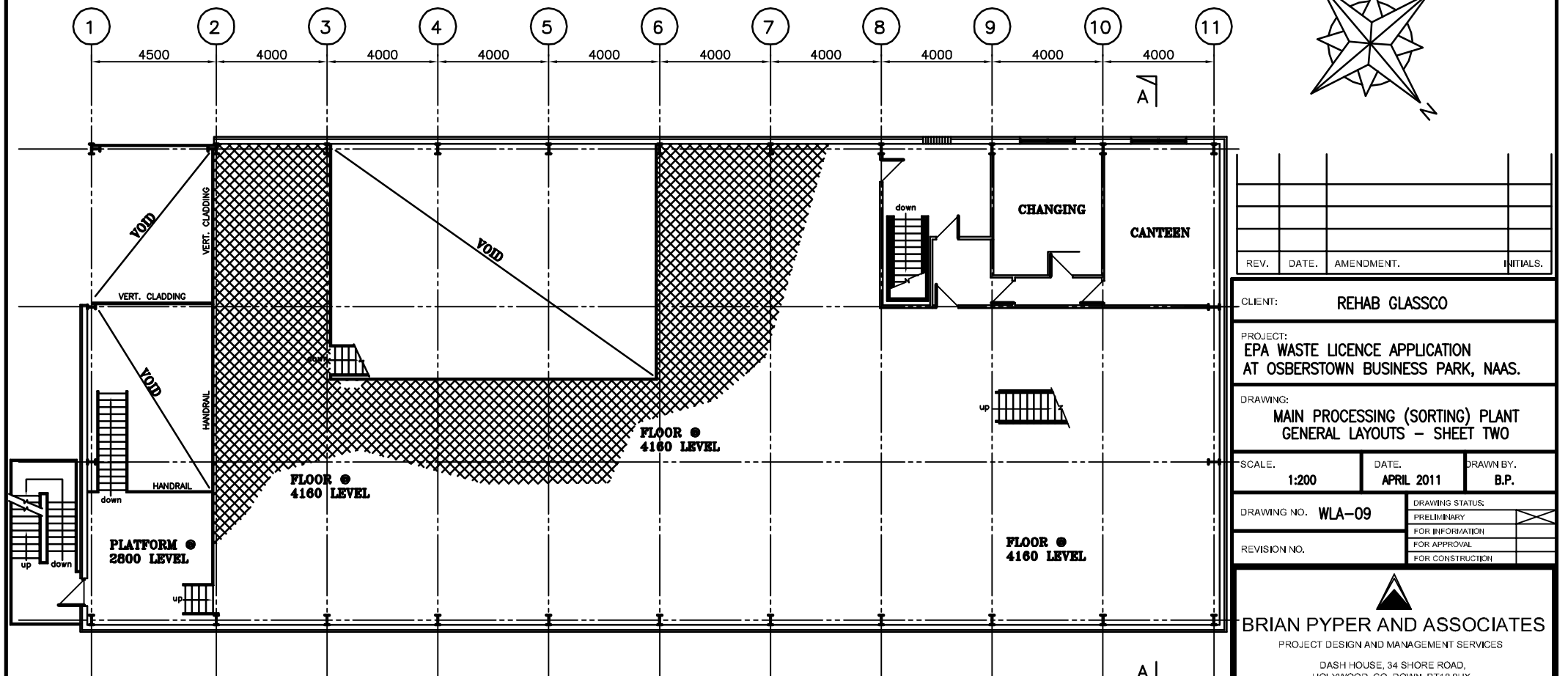
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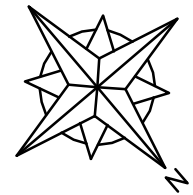
PLAN AT LEVEL 6000mm AND OVER



PLAN AT LEVEL 4800mm



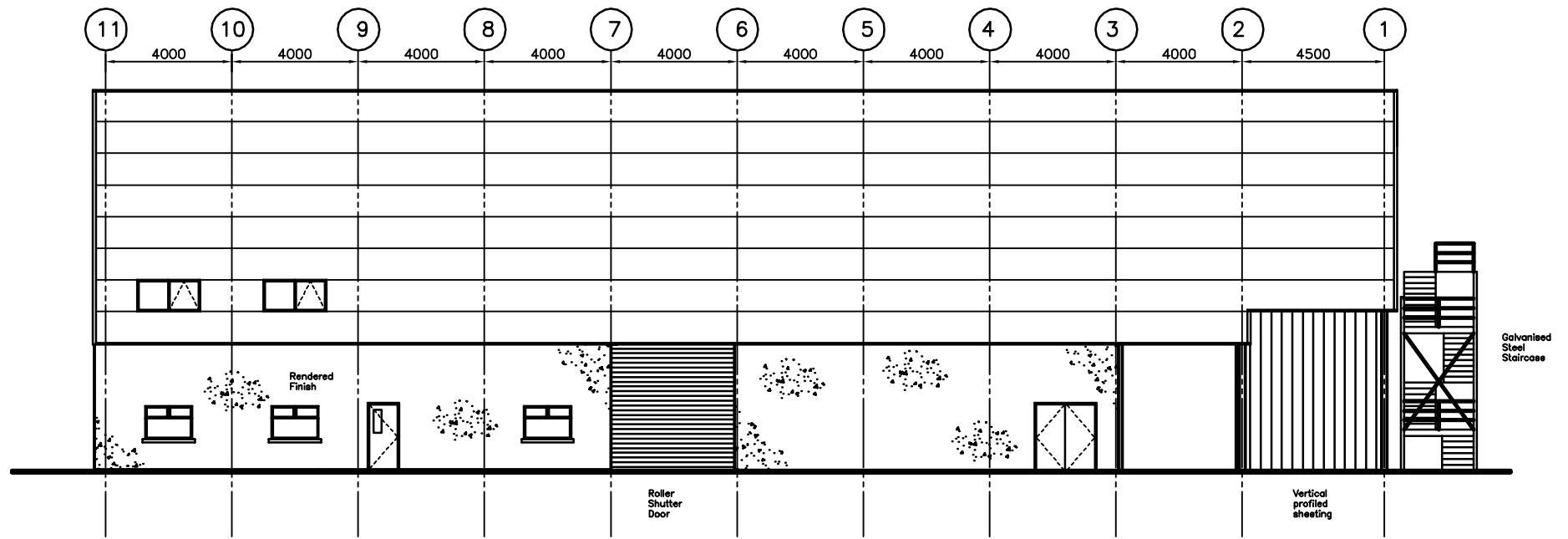
PLAN AT LEVEL 4160mm



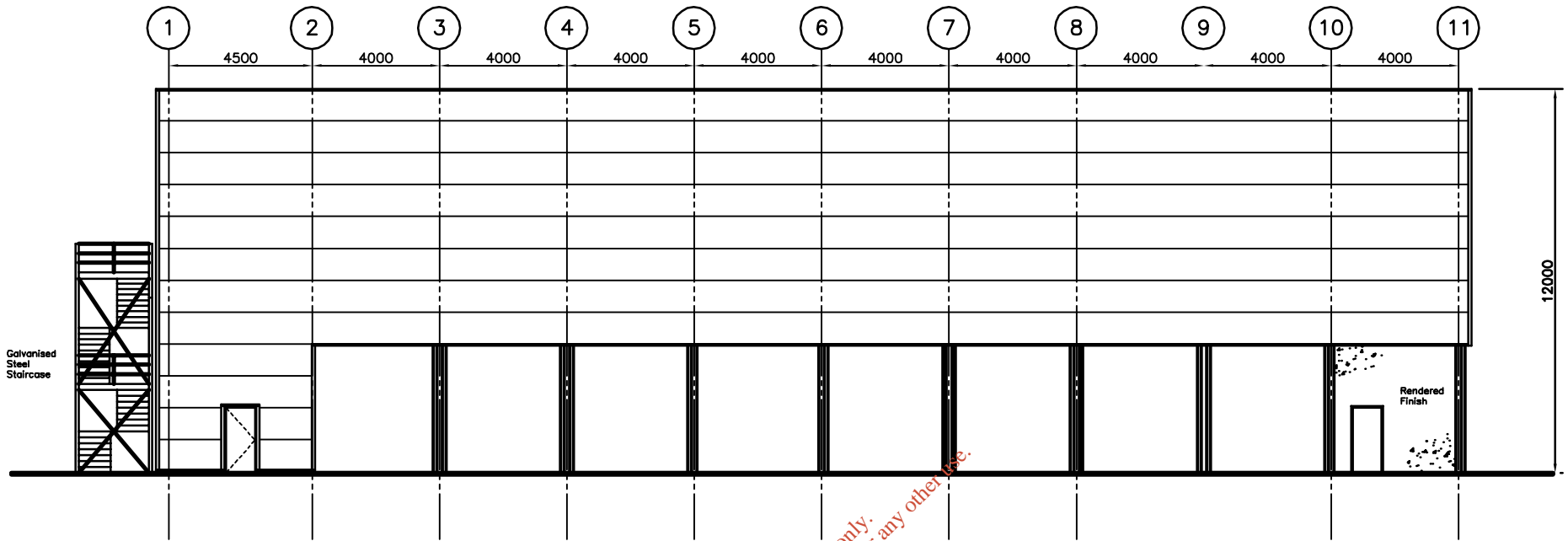
REV.	DATE	AMENDMENT	INITIALS

CLIENT:	REHAB GLASSCO		
PROJECT:	EPA WASTE LICENCE APPLICATION AT OSBERTOWN BUSINESS PARK, NAAS.		
DRAWING:	MAIN PROCESSING (SORTING) PLANT GENERAL LAYOUTS - SHEET TWO		
SCALE:	1:200	DATE:	APRIL 2011
DRAWING NO.:	WLA-09	DRAWN BY:	B.P.
REVISION NO.:		DRAWING STATUS:	PRELIMINARY
			FOR INFORMATION
			FOR APPROVAL
			FOR CONSTRUCTION

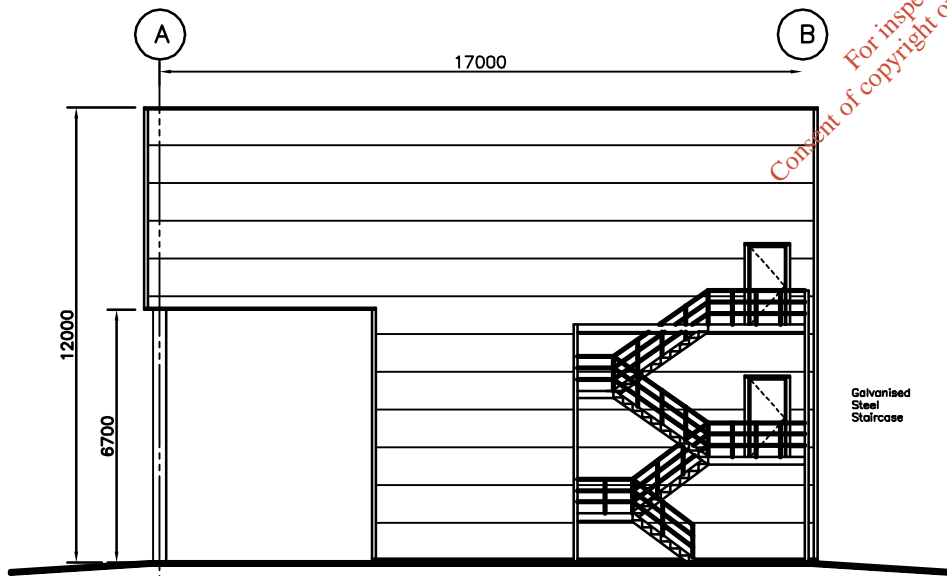
**BRIAN PYPER AND ASSOCIATES**  
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 TEL: 00 44 (0) 28 9039 3395 FAX: 00 44 (0) 28 9039 3396  
 E-MAIL: bpyper@googlemail.com



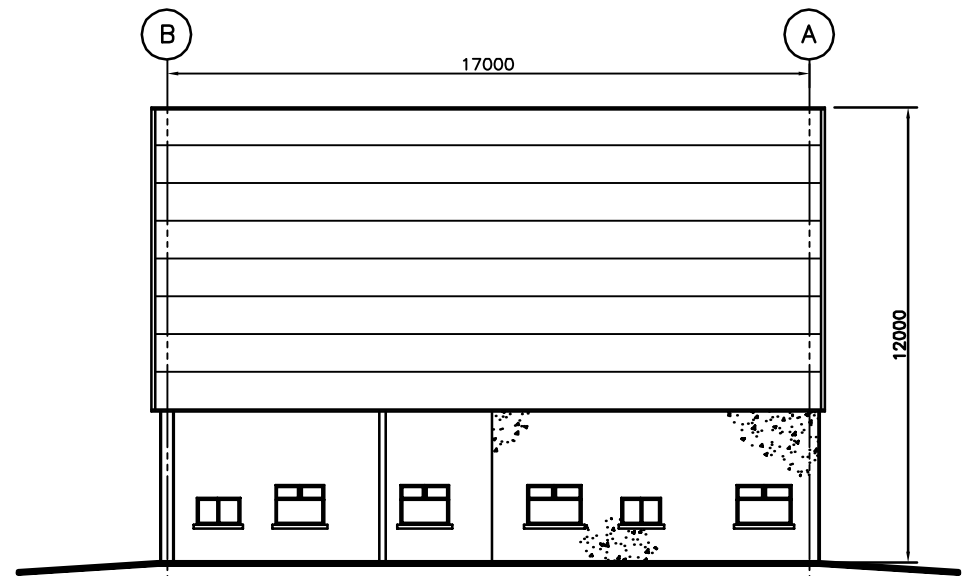
ELEVATION ON GRID LINE A (SOUTH WEST FACING)



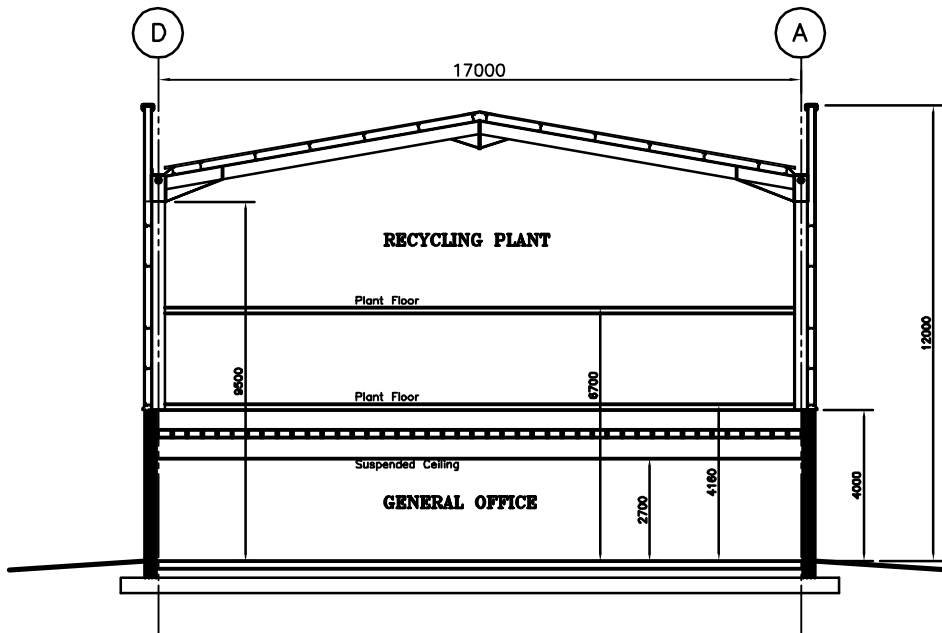
ELEVATION ON GRID LINE D (NORTH EAST FACING)



ELEVATION ON GRID LINE 1 (SOUTH EAST FACING)




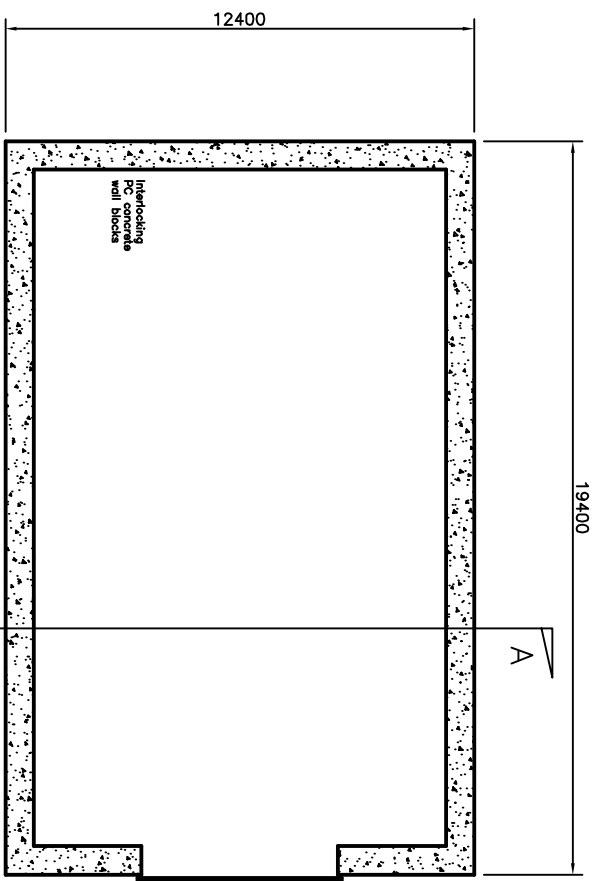
ELEVATION ON GRID LINE 11 (NORTH WEST FACING)



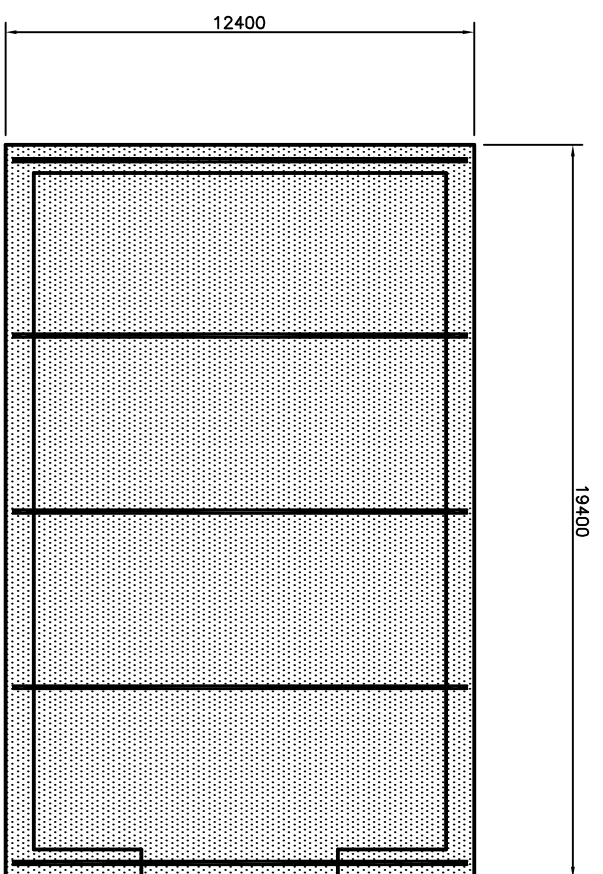
SECTION A - A

REV.	DATE.	AMENDMENT.	INITIALS.

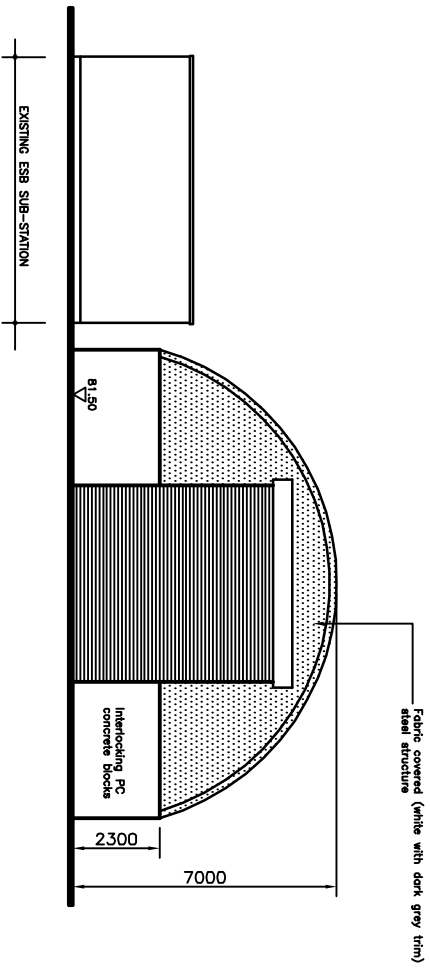
CLIENT:	REHAB GLASSCO		
PROJECT:	EPA WASTE LICENCE APPLICATION AT OSBERTOWN BUSINESS PARK, NAAS.		
DRAWING:	MAIN PROCESSING (SORTING) PLANT ELEVATIONS AND SECTION AS EXISTING		
SCALE:	1:200	DATE:	APRIL 2011
		DRAWN BY:	B.P.
DRAWING NO.	WLA-10	DRAWING STATUS:	PRELIMINARY
REVISION NO.			FOR INFORMATION
			FOR APPROVAL
			FOR CONSTRUCTION
 <b>BRIAN PYPER AND ASSOCIATES</b> PROJECT DESIGN AND MANAGEMENT SERVICES DASH HOUSE, 34 SHORE ROAD, HOLYWOOD, CO. DOWN, BT18 9HX TEL: 00 44 (0) 28 9039 3395 FAX: 00 44 (0) 28 9039 3396 E-MAIL: bpyper@googlemail.com			



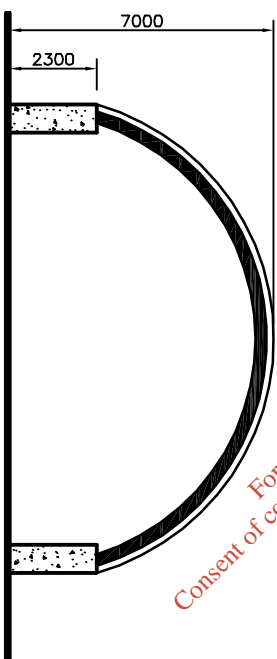
**FLOOR PLAN**



**ROOF PLAN**

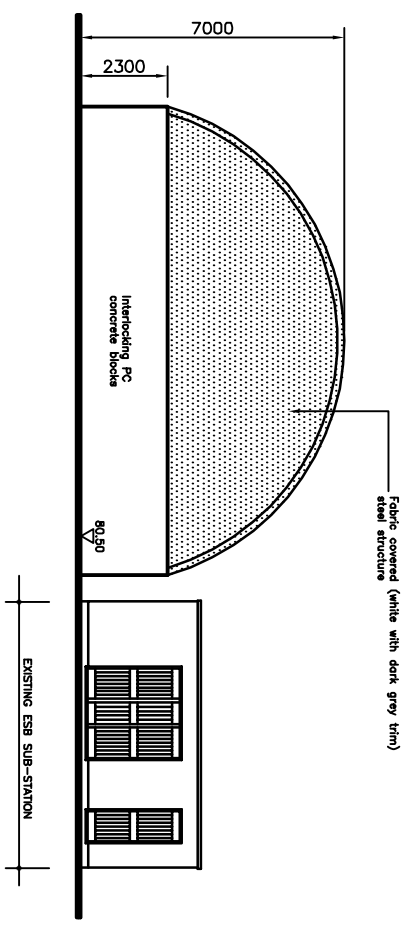


**NORTHERN ELEVATION**

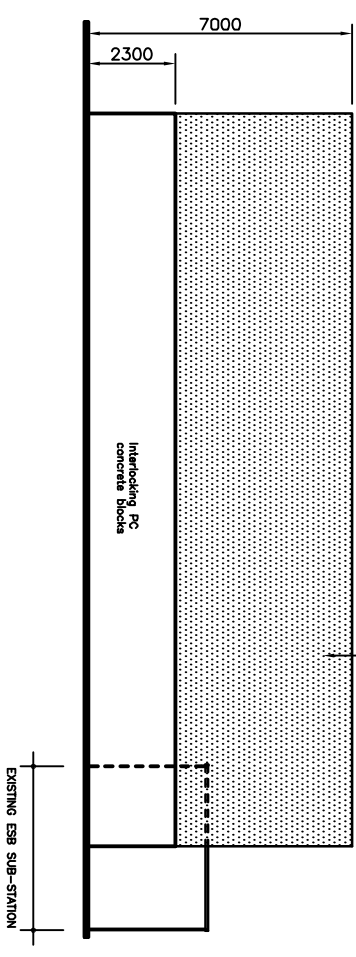


**SECTION A - A**

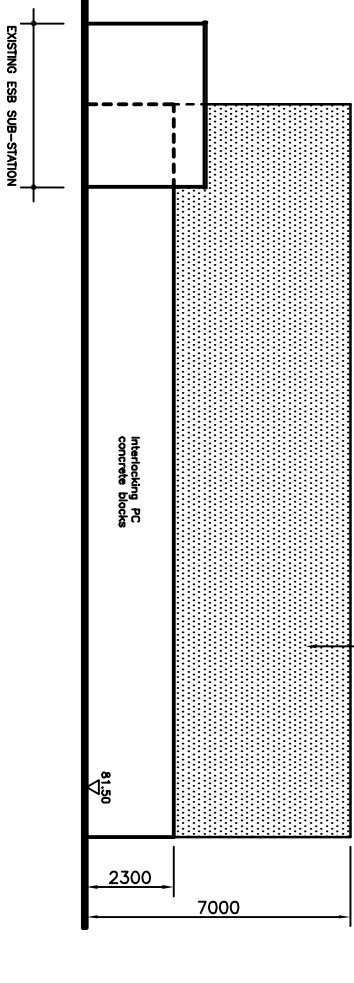
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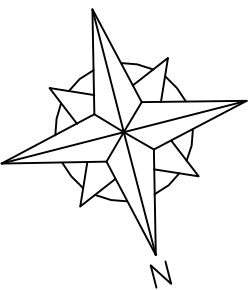
**SOUTHERN ELEVATION**



**WESTERN ELEVATION**



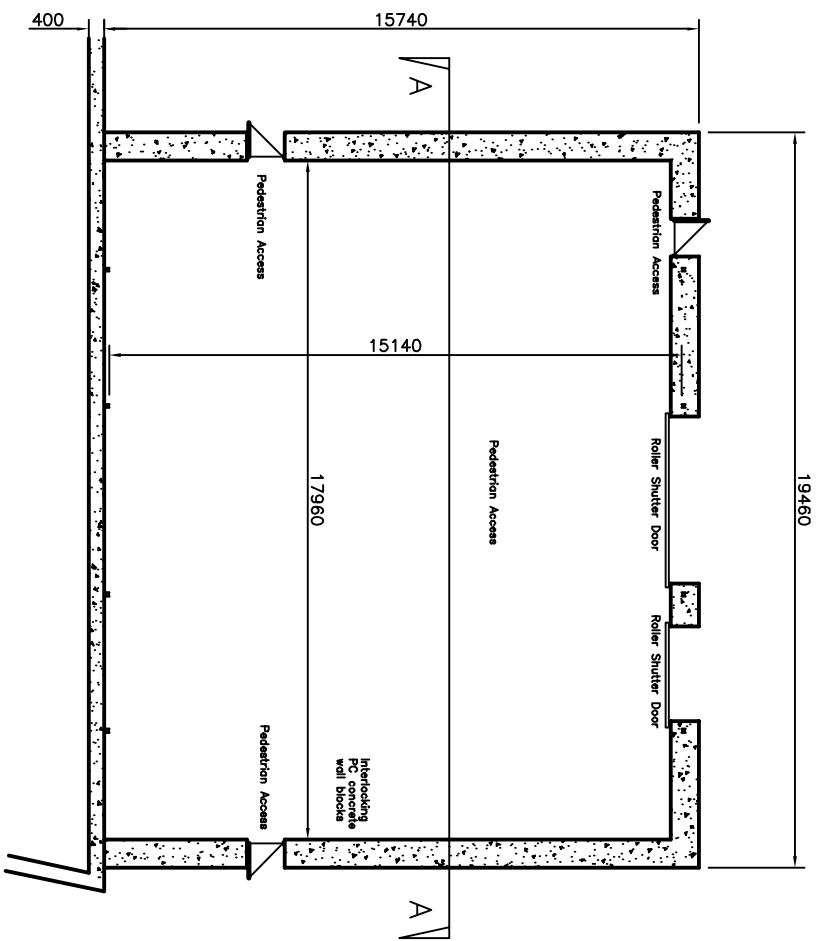
**EASTERN ELEVATION**



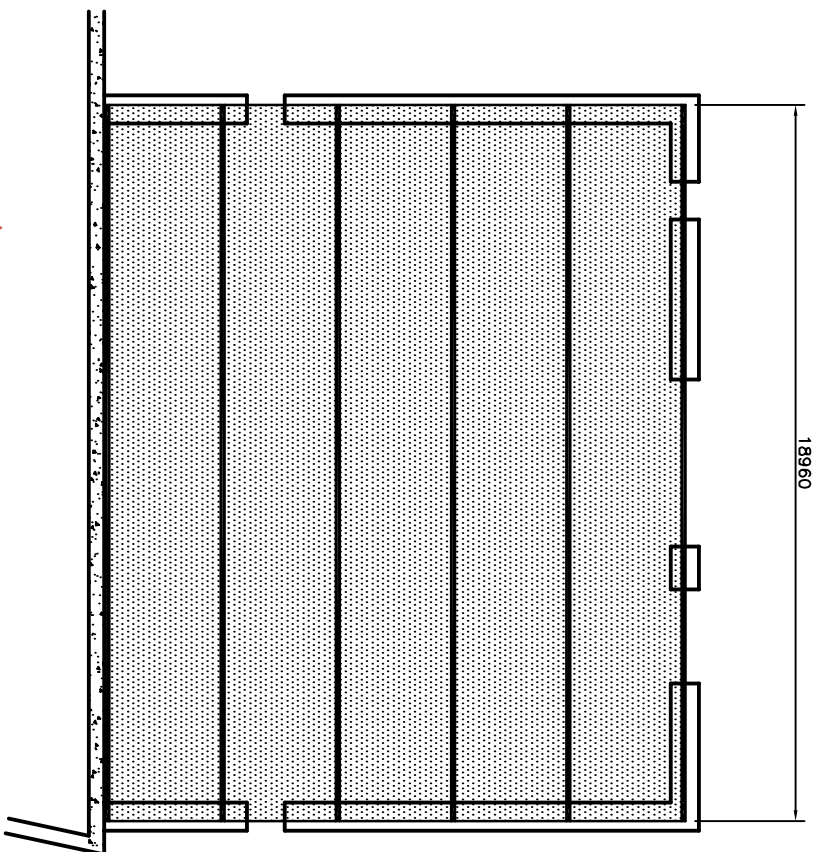
REV.	DATE	AMENDMENT	INITIALS

<b>CLIENT: REHAB GLASSCO</b>	
<b>PROJECT: EPA WASTE LICENCE APPLICATION AT OSBERSTOWN BUSINESS PARK, N.M.S.</b>	
<b>DRAWINGS: GARAGE BUILDING PLANS, ELEVATIONS AND SECTION</b>	
SCALE: 1:200	DATE: APRIL 2011
DRAWING NO. WLA-11	DRAWN BY: B.P.
PREPARED BY: [ ]	FOR APPROVAL: [ ]
REVISION NO. [ ]	FOR CONSTRUCTION: [ ]

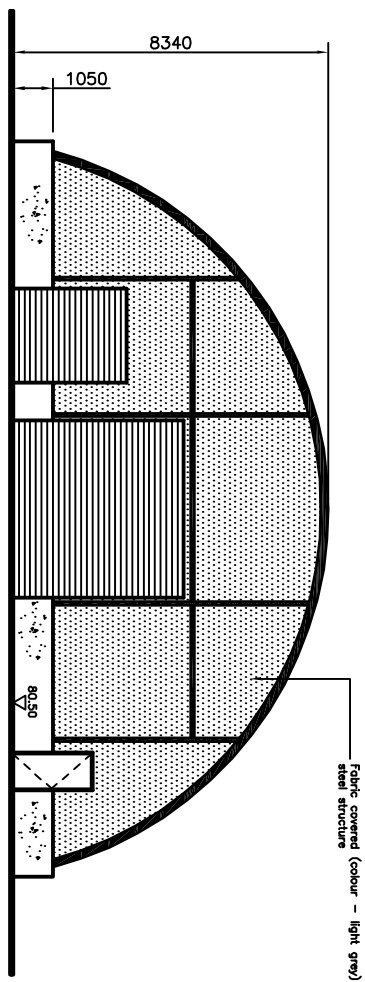
**BRIAN PYPER AND ASSOCIATES**  
PROJECT DESIGN AND MANAGEMENT SERVICES  
DASHI HOUSE, 34 SHORE ROAD,  
HOLYWOOD, CO. DUBLIN, E17 8 9HX  
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EMAIL: bpyper@gmail.com



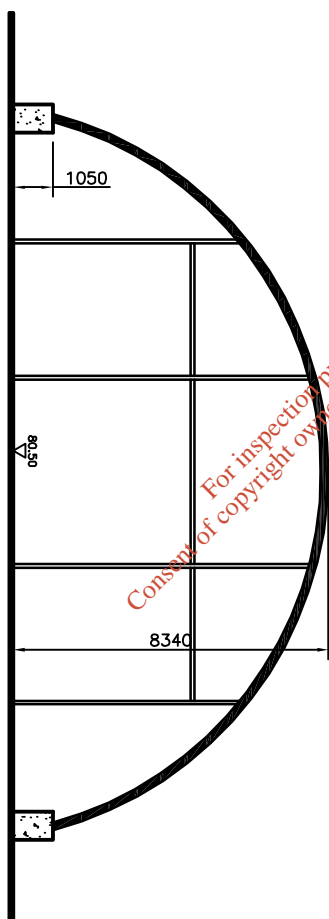
FLOOR PLAN



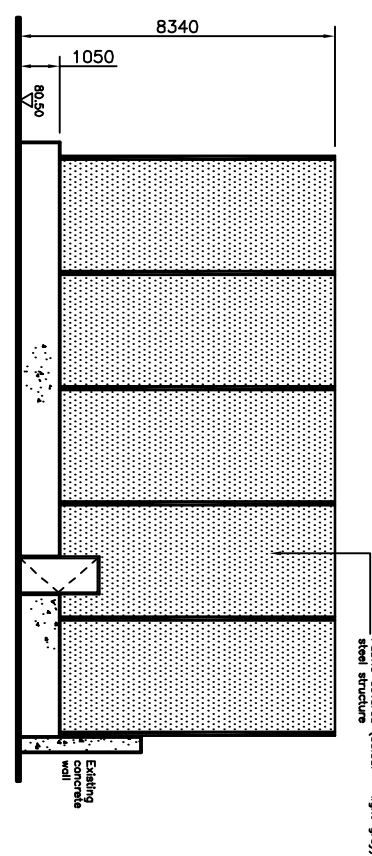
ROOF PLAN



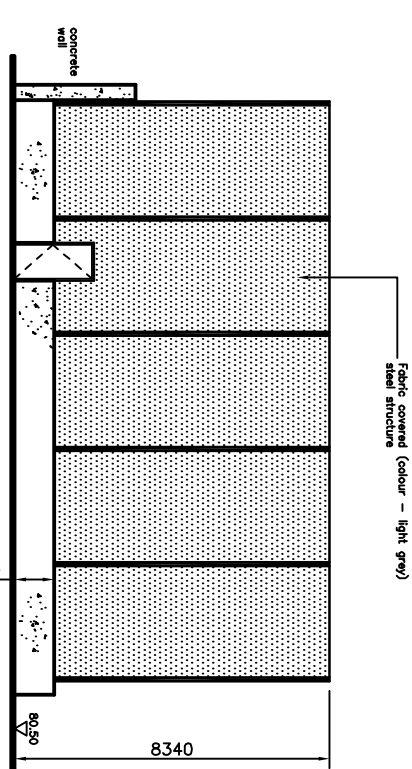
WESTERN ELEVATION



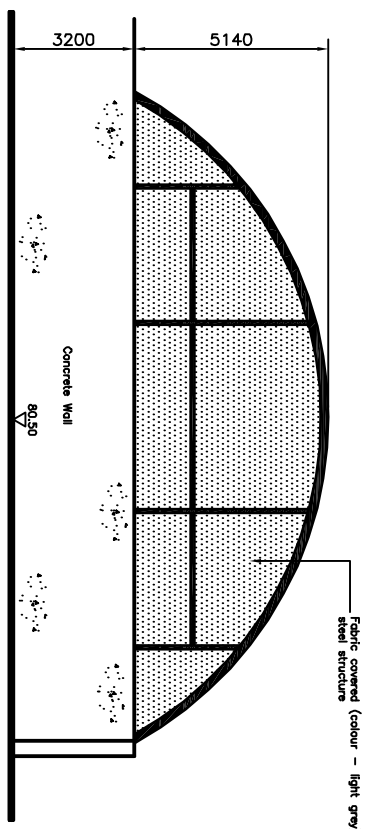
SECTION A - A



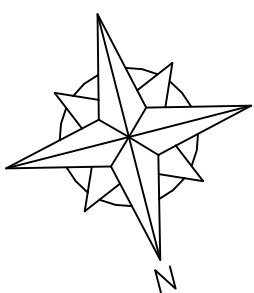
SOUTHERN ELEVATION



NORTHERN ELEVATION



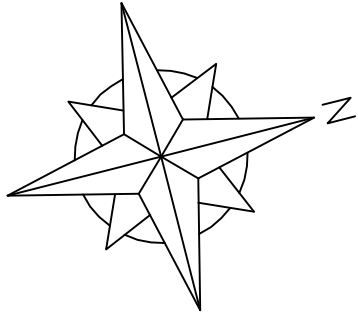
EASTERN ELEVATION



REV.	DATE	AMENDMENT	INITIALS

CLIENT:	REHAB GLASSCO
PROJECT:	EPA WASTE LICENCE APPLICATION AT OSBERTOWN BUSINESS PARK, N.M.S.
DRAWINGS:	DRYING PLANT BUILDING PLANS, ELEVATIONS AND SECTION
SCALE:	1:200
DRAWING NO.:	WLA-12
DATE:	APRIL 2011
DRAWING STATUS:	B.P.
PREPARED BY:	
FOR APPROVAL:	
REVISION NO.:	
FOR CONSTRUCTION:	

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REV.	DATE.	AMENDMENT.	INITIALS.

CLIENT: REHAB GLASSCO

PROJECT: EPA WASTE LICENCE APPLICATION  
OSBERSTOWN BUSINESS PARK, NAAS.

DRAWING: EMISSION POINTS PLAN

SCALE: 1:1000      DATE: APRIL 2011      DRAWN BY: B.P.

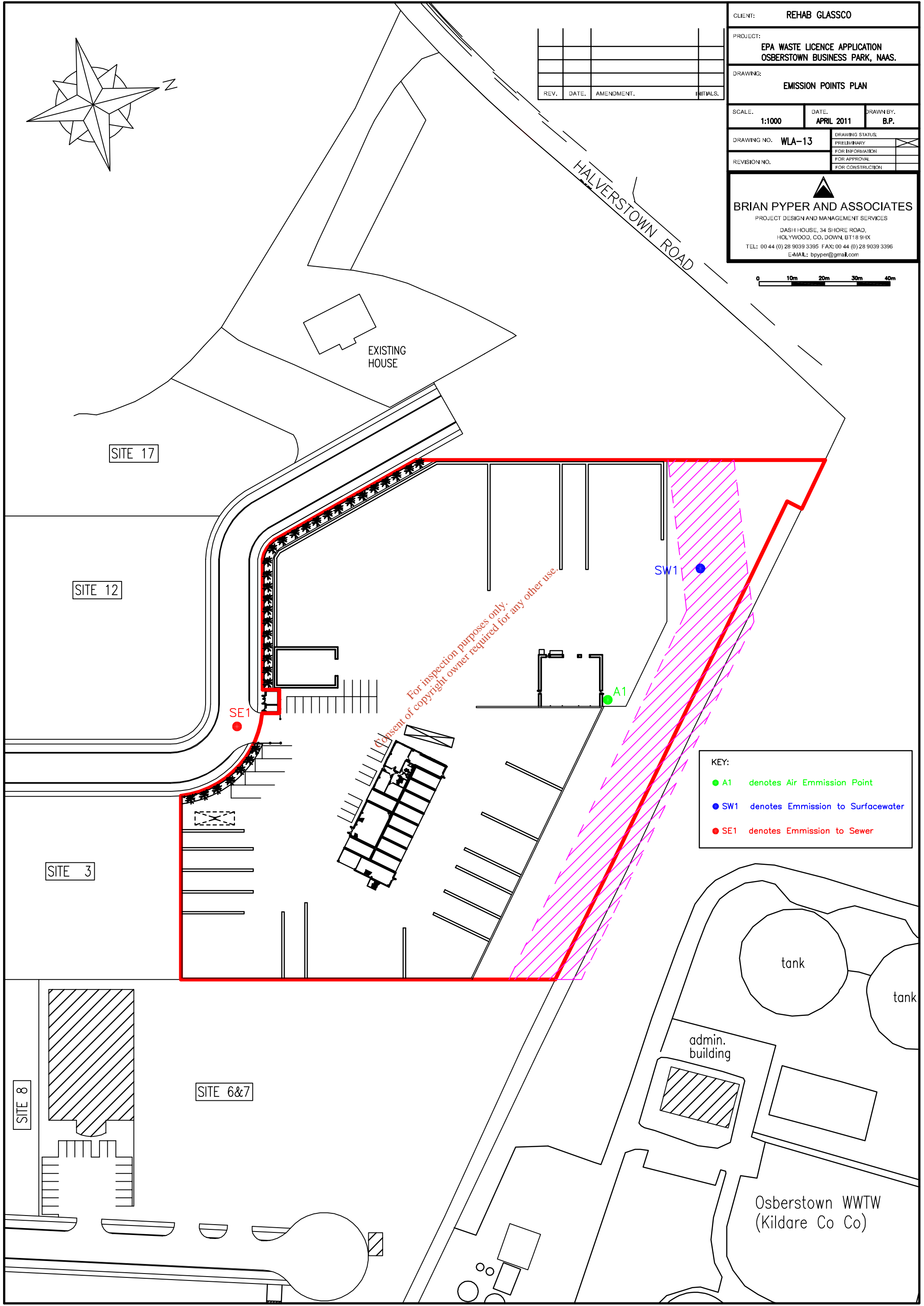
DRAWING NO. WLA-13      DRAWING STATUS: PRELIMINARY

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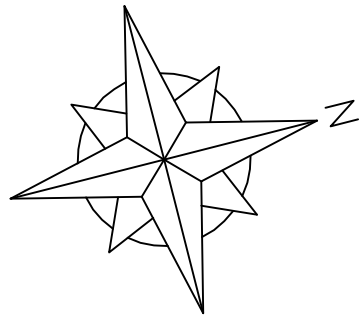
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KEY:

- A1 denotes Air Emission Point
- SW1 denotes Emission to Surfacewater
- SE1 denotes Emission to Sewer



REV.	DATE	AMENDMENT	INITIALS

CLIENT: REHAB GLASSCO

PROJECT: EPA WASTE LICENCE APPLICATION  
OSBERTOWN BUSINESS PARK, NAAS.

DRAWING: MONITORING POINTS PLAN

SCALE: 1:1000      DATE: APRIL 2011      DRAWN BY: B.P.

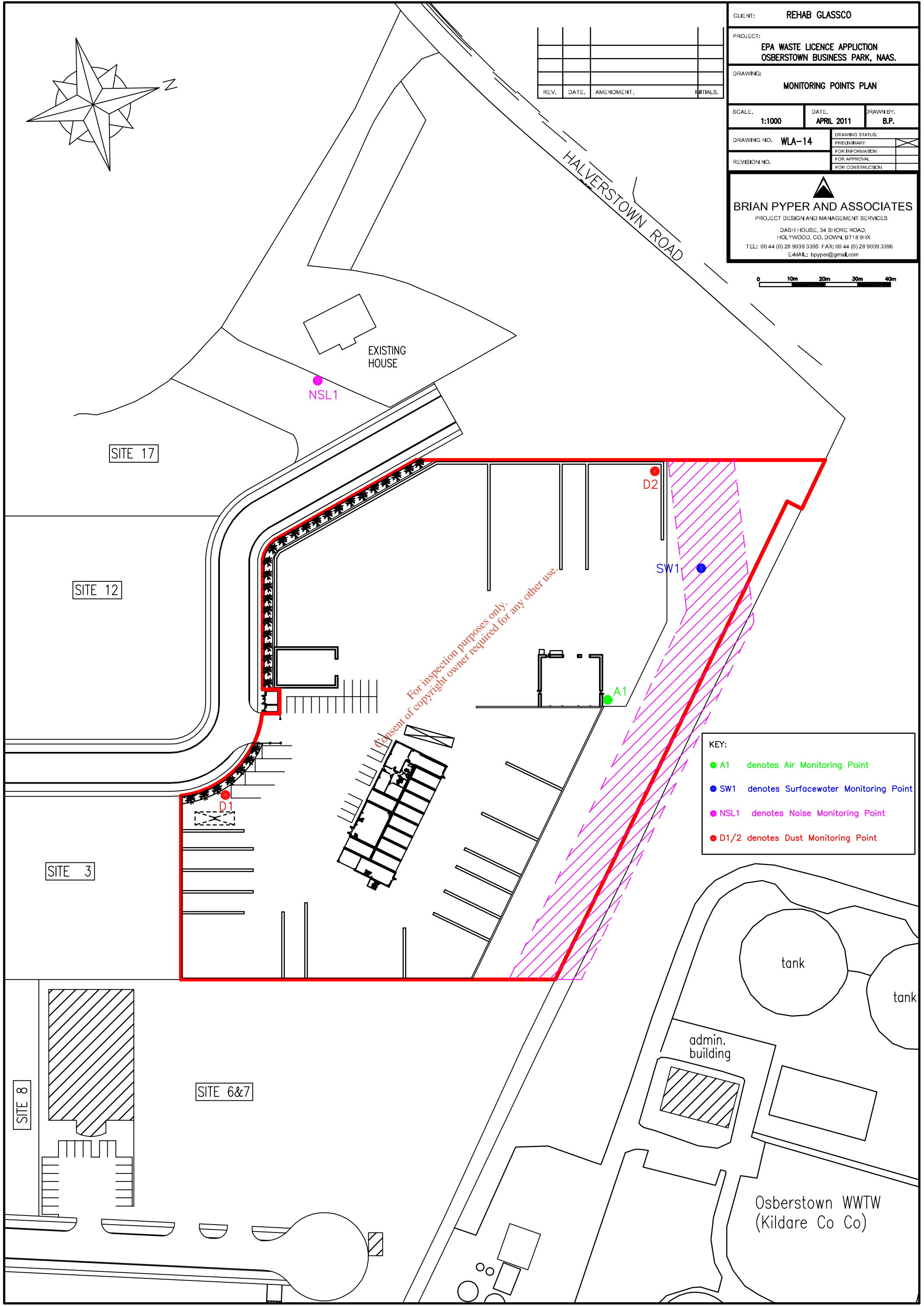
DRAWING NO. WLA-14      DRAWING STATUS: PRELIMINARY

REVISION NO.      FOR INFORMATION

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**KEY:**

- A1 denotes Air Monitoring Point
- SW1 denotes Surfacewater Monitoring Point
- NSL1 denotes Noise Monitoring Point
- D1/2 denotes Dust Monitoring Point