

CONSTRUCTION TRAFFIC MANAGEMENT PLAN

Erection of Proposed Solar Photovoltaic Array.

Land adjacent to Five Fords Wastewater Treatment Works, Wrexham.

1. The Proposed Development.

It is proposed to install a ground mounted solar array on land situated immediately to the north and east of the existing Five Fords Wastewater Treatment Works (WwTW), Wrexham.

Vehicular access to the WwTW is gained via a private access road which joins Cefn Road at a priority junction. Initially, the access road runs in a southerly direction from Cefn Road and crosses the Afon Clywedog, before turning west onto an east-west alignment to the site security gate.

It is proposed that the solar array be constructed in two phases. Phase One would involve the area of land immediately to the north of both the WwTW and the east-west section of the private access road. Phase Two would involve the area of land immediately to the east of the WwTW and to the south of the east-west section of the private access road.

2. Project Duration

It is anticipated that Phase One of the proposed development will be undertaken in the period 1st January to 31st March 2015 and that Phase Two will be undertaken between 1st August and 31st October 2015.

3. Site Working Hours.

Core site hours will be:

- Monday to Friday 07.30 to 18.00 hours
- Saturdays 07.30 to 13.00 hours

Occasional working may take place outside of the above-mentioned hours.

4. Employees on Site

It is anticipated that the maximum number of employees working on the project on site at any time will be 10.

5. Vehicle Movements.

Each of the two phases of the proposed development are expected to give rise to the following vehicle movements:



Vehicle Type	Frequency
Rigid Deliveries	60 over each entire phase
Articulated Deliveries	40 over each entire phase
Employee vans/cars	Maximum 10 per day

Rigid Deliveries will include:

- Welfare units (initial set up)
- Concrete (for fence posts/ security cameras)
- General plant and equipment
- Cabling/electrical equipment
- Security cameras and posts

Articulated Deliveries will include:

- Tracked driven/screw piling rig on low loader
- JCB or similar on low loader
- Dumper on low loader
- Solar Panels
- Solar Panel Mounts
- GRP control kiosks
- Security fence panels, posts and gates

6. Access Routes

All construction vehicles associated with the proposed development will utilise the existing access to the WWTW site from Cefn Road.

It is anticipated that the majority of HGV movements associated with the proposed development will approach and leave the development from the north, via the A534 and Wrexham Industrial Estate. A significantly fewer number of vehicles are expected to approach from the A525 in the south. It is not anticipated that any HGV construction traffic will approach along Cefn Road from the west.

Temporary signage for Phase One will be installed in order to provide clear direction to the drivers of vehicles travelling to the proposed development. (Similar signage will be erected for Phase Two). The proposed signage schedule is included at Appendix 1 and is subject to the agreement of Wrexham CBC highways officers.

Along the private access road to the south of Cefn Road, signage will be introduced giving priority to southbound vehicles over the Afon Clywedog bridge. This will ensure that queuing vehicles do not back up onto Cefn Road



7. Internal Site Access Arrangements.

Vehicles delivering to the site of the proposed development will be able to turn around using the existing gyratory road system within the WwTW site.

8. Employee Parking.

Provision will be made within the WwTW site for the parking of construction worker and visitor vehicles.

9. Contact Details.

Wrexham CBC highways officers will be advised of the contact details of the site engineer following the appointment of a contractor.



Appendix 1
Proposed Signage Schedule





Unit 20a
H.T.M. Business Park
Abergele Road
Rhuddlan
Denbighshire
LL18 5UZ
Tel/fax 01745 590056
enquiries@jt-m-signs.co.uk
www.jtmsigns.co.uk
VAT No: 880 062 534

Temporary Sign Schedule

JOB: Large vehicles travelling to Five Fords WWTW Cefn Road Wrexham

ERECT DATE: 11/1/15

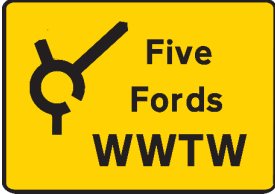
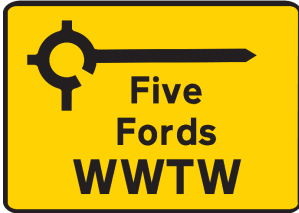
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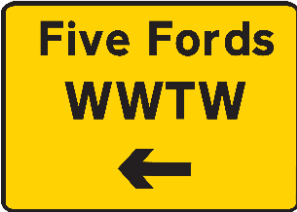
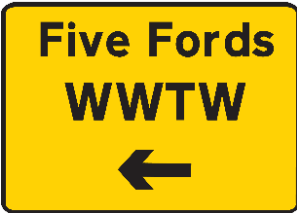
FINISH DATE: 31/3/15

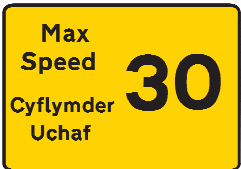
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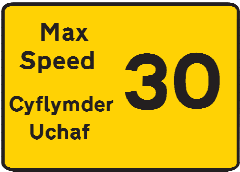
SIGNS

No	Sign Size	Sign Design	X.ht	Sign location & Suggested fixing point	
1	1200/1200		62	W/S at entrance	TALL FRAME
2	1200/1200		62	W/S at entrance	TALL FRAME

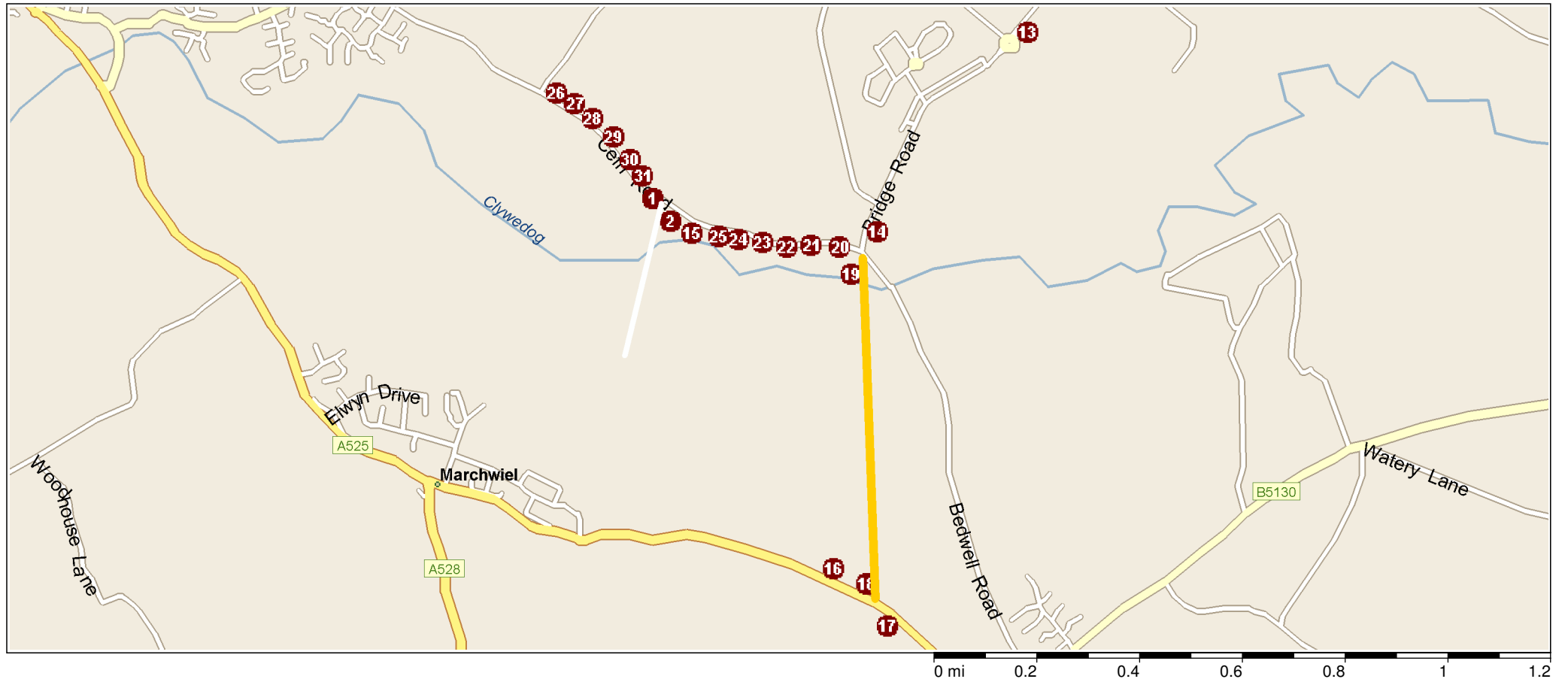
No	Sign Size	Sign Design	X.ht	Sign location & Suggested fixing point	
3	1050/750		75 100	A534 advance of Ind Estate Road	ADS
4	950/450		62 100	A534 exit keeping traffic on R/A	D/S
A534 from Holt direction advance of Ind Estate Road					
5	1050/450		75	advance of Cefn Road new R/About then pick up sign number 14	ADS
6	950/450		62 100	Ind Est Road exit off R/About	D/S
7	1050/750		75 100	Ind Estate Road advance of Abenbury Way	ADS
8	950/450		62 100	Abenbury Way exit off R/About	D/S
9	1050/450		62 100	Abenbury Way /Clywedog Rd N	L/C
10	1050/450		62 100	Abenbury Way advance of Bridge Road	L/C
11	950/450		62 100	Abenbury Rd / Bridge Road	D/S

No	Sign Size	Sign Design	X.ht	Sign location & Suggested fixing point	
12	1050/450		62 100	Bridge Rd / Spectrum R/A	L/C
13	1050/450		62 100	Bridge Rd / Clywedog Rd E	L/C
14	1050/450		62 100	Bridge Road advance of Cefn Road	L/C
15	1050/750		75	Cefn Road / Entrance to Five Fords	TALL FRAME
From Marchweil direction					
16	1050/750		75	A525 advance new R/About	ADS

A525 from Cross Lanes					
17	1050/750		75	A525 advance new R/About	ADS
18	950/450		62 100	exit off R/About	D/S
19	1050/450		75	advance of Cefn Road new R/About then pick up sign number 15	ADS
Traffic Management on Cefn Road					
20	750			Cefn Road 400yds advance of WWTW entrance	FRAME
21	1050/750		75	Cefn Road 300yds advance of WWTW entrance	FRAME
22	1050/750		75	Cefn Road 250yds advance of WWTW entrance	FRAME
23	1050/750		150	Cefn Road 200yds advance of WWTW entrance	FRAME
24	1050/750		75	Cefn Road 100yds advance of WWTW entrance	FRAME

25	1050/750		75	Cefn Road 50yds advance of WWTW entrance	FRAME
26	750			Cefn Road 400yds advance of WWTW entrance	FRAME
27	1050/750		75	Cefn Road 300yds advance of WWTW entrance	FRAME
28	1050/750		75	Cefn Road 250yds advance of WWTW entrance	FRAME
29	1050/750		150	Cefn Road 200yds advance of WWTW entrance	FRAME
30	1050/750		75	Cefn Road 100yds advance of WWTW entrance	FRAME
31	1050/750		75	Cefn Road 50yds advance of WWTW entrance	FRAME

Plan1



Plan2

