

## **F.1 Treatment, Abatement and Control Systems**

*Table F.1: Abatement / Treatment Control.*

- The permit holder ensures that the waste activities on the site are carried out in such a manner so as not to have any adverse effects on the drainage of adjacent lands, on watercourses, streams, on field drains or on any other drainage system.
- The permit holder remains responsible for the maintenance and upkeep of open ditches and drains on site, in order that no flooding occurs on any adjacent lands. The Permit Holder ensures that any required works have a minimal effect on the buffer zone.

To comply with the specific conditions in the current waste permit, the site has installed two wheel washes. They are designed to shake loose and clean the wheels of the Lorries exiting the site after depositing their load. This is to ensure that no waste is deposited outside the designated construction and development area. If such a deposit is made on the approaching roadway (300 meters in each direction), it is stipulated that clean-up via a mechanical sweeper is immediate. Refer to **Attachment F.1 Drawing No. 23 'Wheel Wash'**.

To ensure that any emissions of surface water runoff do not enter the existing streams, the runoff is being well contained; refer to **Attachment F.1 Drawing No. 24 'Sundry Details'** for further details. Refer to **Attachment F.1 Drawing No. 25 'Overall Channel Drainage'** for locations of Soiled Water Containment Areas.

This drawing gives detail of the following control systems:

- 'Details of Soiled Water Containment Measures' – to roadside channel and to R. Martin.
- 'Proposed Filling of Existing Drain' – this refers to the low 'channel' and to the head of R. Martin.
- 'Bund at Southern End' – ensuring runoff at the southern end goes to soiled water containment.
- 'New Drainage Ditch Linking to Existing Stream (R. Peastinagh) beside N20' – this is the roadside channel above.

**TABLE F.1: ABATEMENT / TREATMENT CONTROL**

*Emission point reference number:* SW1

Control <sup>1</sup> parameter	Equipment <sup>2</sup>	Equipment maintenance	Equipment calibration	Equipment back-up
Soiled Water Containment	Backacter	Sediment Removed and spread over site - Fortnightly		

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>3</sup>	Monitoring equipment	Monitoring equipment calibration
Soiled Water Containment	No Monitoring is Proposed		

For inspection purposes only.  
Consent of copyright owner required for any other use.

- <sup>1</sup> List the operating parameters of the treatment / abatement system which control its function.
- <sup>2</sup> List the equipment necessary for the proper function of the abatement / treatment system.
- <sup>3</sup> List the monitoring of the control parameter to be carried out.

**TABLE F.1: ABATEMENT / TREATMENT CONTROL**

*Emission point reference number:* SW2

Control <sup>1</sup> parameter	Equipment <sup>2</sup>	Equipment maintenance	Equipment calibration	Equipment back-up
Soiled Water Containment	Backacter	Sediment Removed and spread over site - Fortnightly		

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>3</sup>	Monitoring equipment	Monitoring equipment calibration
Soiled Water Containment	No Monitoring is Proposed		

For inspection purposes only.  
Consent of copyright owner required for any other use.

- <sup>1</sup> List the operating parameters of the treatment / abatement system which control its function.
- <sup>2</sup> List the equipment necessary for the proper function of the abatement / treatment system.
- <sup>3</sup> List the monitoring of the control parameter to be carried out.

**TABLE F.1: ABATEMENT / TREATMENT CONTROL**

*Emission point reference number:* Main Wheel Wash

Control <sup>1</sup> parameter	Equipment <sup>2</sup>	Equipment maintenance	Equipment calibration	Equipment back-up
Main Wheel Wash	Backacter	Sediment Removed and spread over site - Fortnightly		

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>3</sup>	Monitoring equipment	Monitoring equipment calibration
Main Wheel Wash	No Monitoring is Proposed		

For inspection purposes only.  
Consent of copyright owner required for any other use.

- <sup>1</sup> List the operating parameters of the treatment / abatement system which control its function.
- <sup>2</sup> List the equipment necessary for the proper function of the abatement / treatment system.
- <sup>3</sup> List the monitoring of the control parameter to be carried out.

**TABLE F.1: ABATEMENT / TREATMENT CONTROL**

*Emission point reference number:* Wheel Mud Loosening

Control <sup>1</sup> parameter	Equipment <sup>2</sup>	Equipment maintenance	Equipment calibration	Equipment back-up
Wheel Mud Loosening	Backacter	Sediment Removed and spread over site - Fortnightly		

Control <sup>1</sup> parameter	Monitoring to be carried out <sup>3</sup>	Monitoring equipment	Monitoring equipment calibration
Wheel Mud Loosening	No Monitoring is Proposed		

For inspection purposes only.  
Consent of copyright owner required for any other use.

- <sup>1</sup> List the operating parameters of the treatment / abatement system which control its function.
- <sup>2</sup> List the equipment necessary for the proper function of the abatement / treatment system.
- <sup>3</sup> List the monitoring of the control parameter to be carried out.



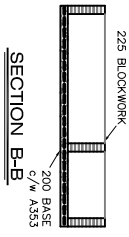
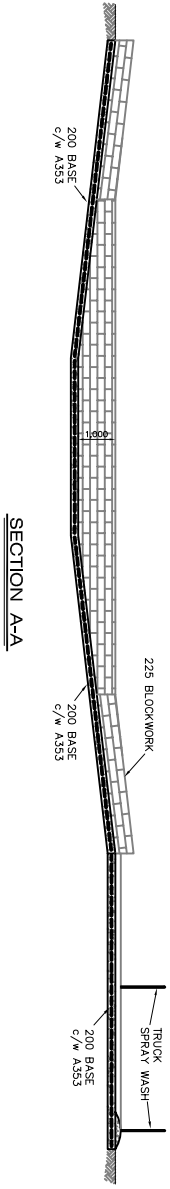
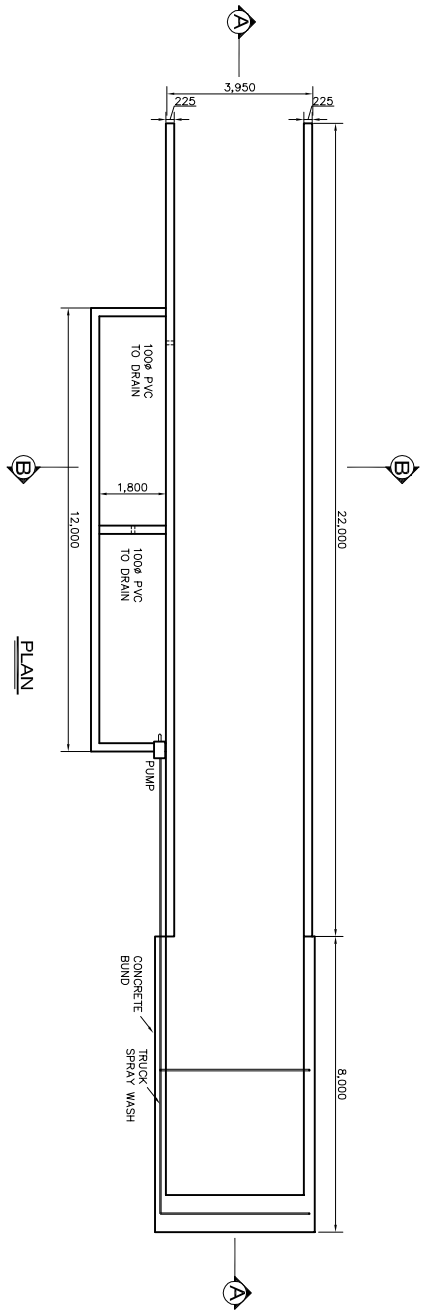
WASTE Application Form

**TABLE F.3: EMISSIONS TO SURFACE WATER MONITORING AND SAMPLING POINTS - ( 1 table per media)**

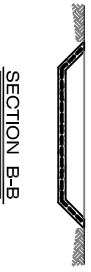
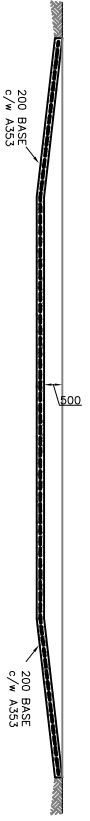
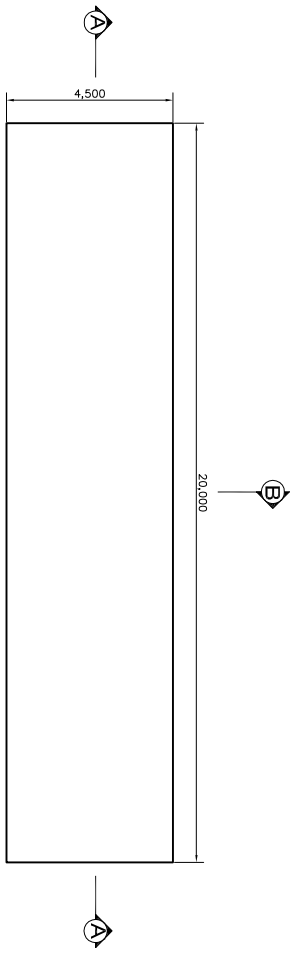
*Emission Point Reference No(s).* : Watercourse Monitoring Point #1 W 58430 89065  
Watercourse Monitoring Point #2 W 57970 88443

Parameter	Monitoring frequency	Accessibility of Sampling Points
Suspended Solids	Once Monthly	By Foot See Attached Drawing No. 25 Watercourse Monitoring Points

For inspection purposes only.  
Consent of copyright owner required for any other use.

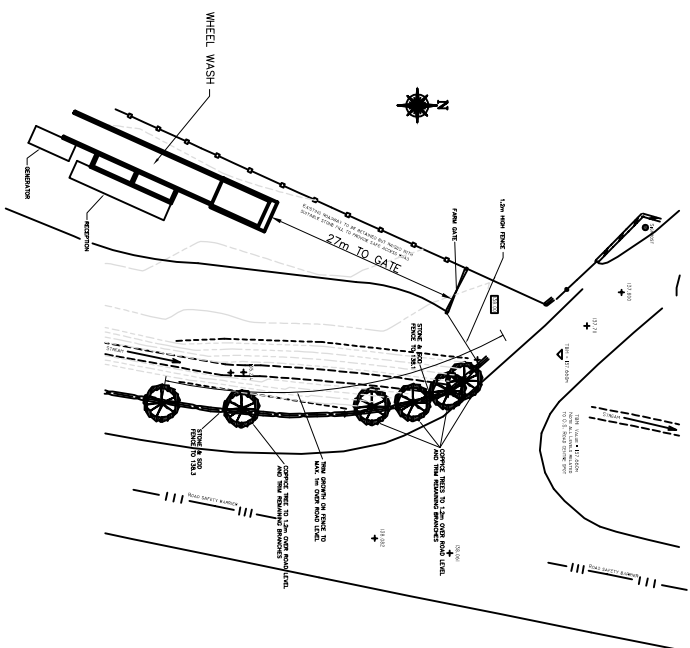


**MAIN WHEEL WASH**  
1/100

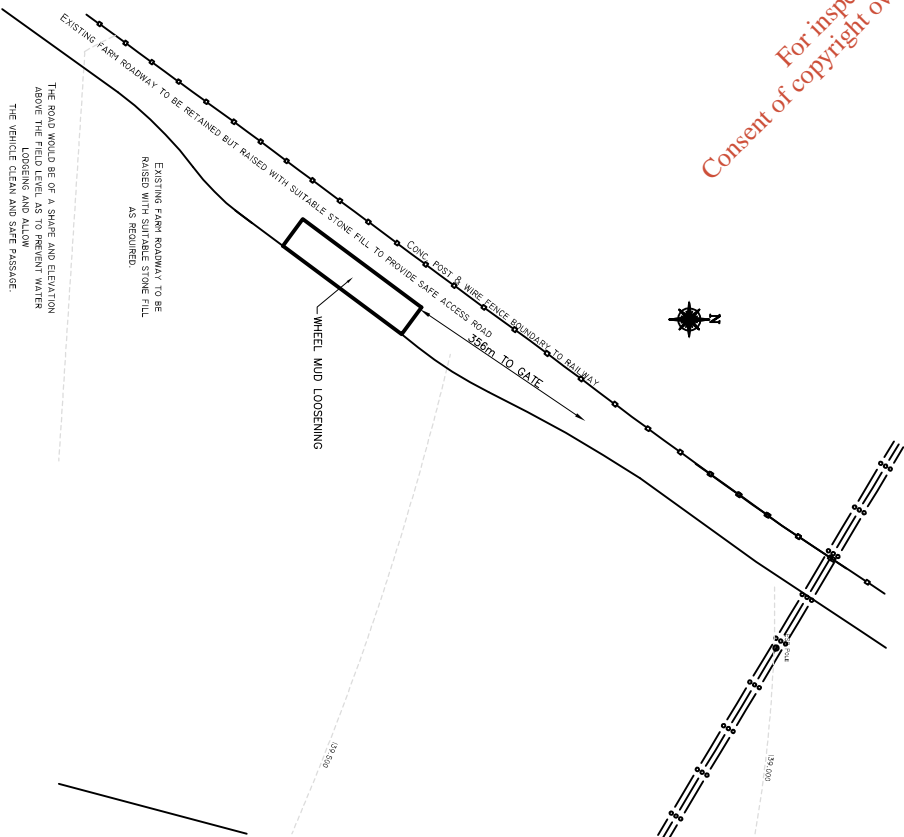


**WHEEL MUD LOOSENING**  
1/100

For inspection purposes only.  
Consent of copyright owner required for any other use.



**LOCATION - MAIN WHEEL WASH**  
1/100



**LOCATION - WHEEL MUD LOOSENING**  
1/100

2	FOR PVC APPLICATION	12/01/09
1	BARrier ADDED	14/12/06
0	INITIAL ISSUE	09/11/06
NO	REVISION	DATE

client	MALLOU CONTRACTS LTD.
project	APPLICATION OF WASTE MANAGEMENT PERMIT
drawing	WHEEL WASH

CONSULTING ENGINEERS

Enterprise House,  
Centre Park Road,  
Cork, Ireland.

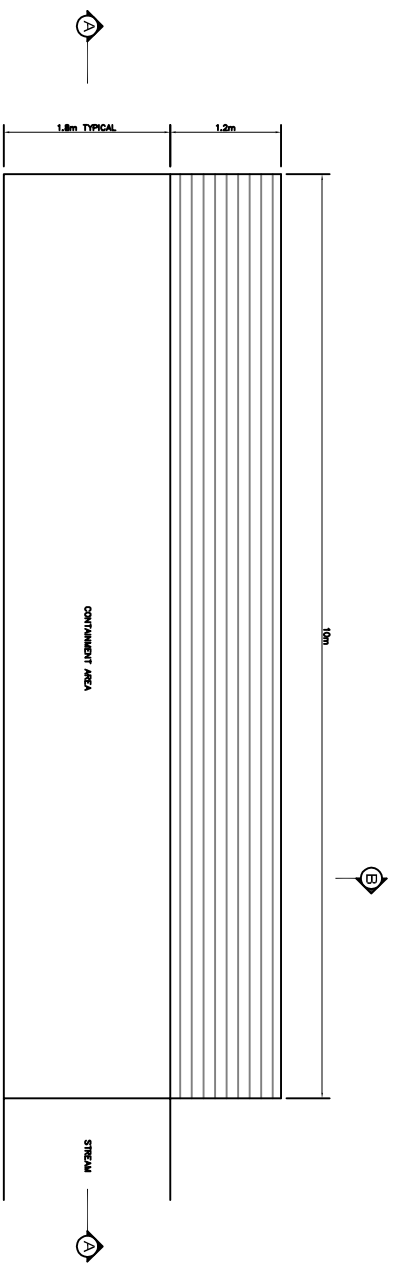
tel 021-4314388  
fax 021-4314385

scale As Shown

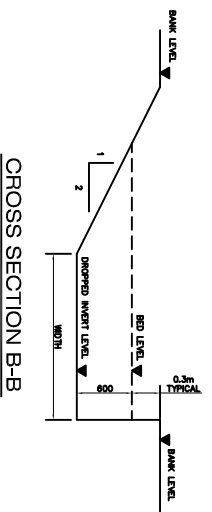
date NOVEMBER 2008

job no

drg no 23



LONG SECTION A-A

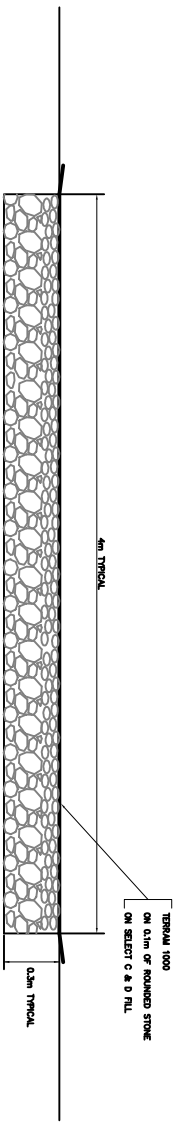


CROSS SECTION B-B

- NOTE:-
- SEDIMENT MATERIAL SCOURED OUT AND REPOSITED IN FILL AREA.
  - EXCAVATION AT INTERVALS.
  - 1 No. AT OUTFALL TO RIVER QUANTIL.
  - 1 No. AT OUTFALL TO RIVER PEASTINGGAGH.

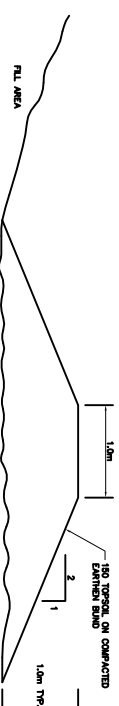
DETAILS OF SOILED WATER CONTAINMENT MEASURES NIS

For inspection purposes only.  
Consent of copyright owner required for any other use.

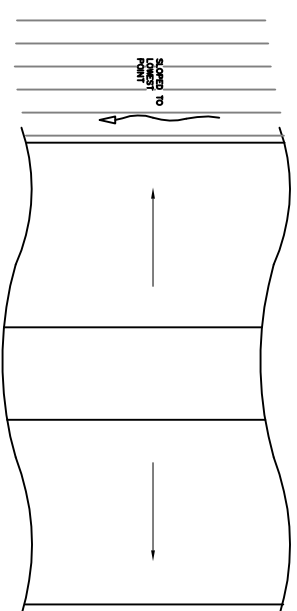


NOTE:- "POUR" AT CENTRE POINT SHOWN PART YEAR, PART YEAR 3 TO BE TREATED AS ABOVE OVER WIDTH OF "POUR".

PROPOSED FILLING OF EXISTING DRAIN NIS

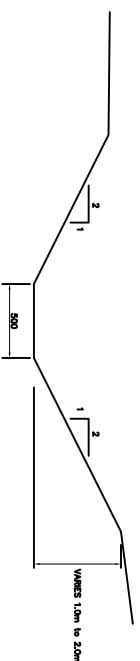


SECTION



PLAN

BUND AT SOUTHERN END NIS



NEW DRAINAGE DITCH LINKING TO EXISTING STREAM (HEAD OF PEASTINGGAGH RIVER) BESIDE N20 NIS

NO	REVISION	DATE
3	FOR PPC APPLICATION	12/01/09
2	MINOR CLARIFICATIONS TO DIMENSIONS	14/12/08
1	NEW DITCH BESIDE N20 SHOWN	09/11/08
0	INITIAL ISSUE	19/10/08

client	MALLOW CONTRACTS LTD.
project	APPLICATION OF WASTE MANAGEMENT PERMIT
drawing	SANITARY DETAILS

CONSULTING ENGINEERS

**mescal & associates**

Enterprise House,  
Gerrifore Park Road,  
Cork, Ireland.

tel 021-4314388  
fax 021-4314395

As Shown

scale	date	job no	drwg no
	OCTOBER 2008		24



