



Martyn Ward Plant Limited

**Sir Robert
McALPINE**

Raynesway Construction

Visualisation of the Sir Chris Hoy Velodrome, London Road, Glasgow – for the Glasgow 2014 Commonwealth Games



Martyn Ward Plant Limited got off to an exciting start early January 2010, as excavations began at the Commonwealth Games site at London Road, Glasgow.

Despite the coldest winter in more than 30 years and a covering of hard packed snow and ice, the Earthworks began on 6th January 2010 under contract to Raynesway Construction, who is on this occasion sub contracted to Sir Robert McAlpine.

The Martyn Ward Plant Limited earthworks contract package included the following operations:-

- Excavation of large SUDS pond for collection and control of water for the entire complex.
- Excavation of Swales for drainage leading to the Suds pond.
- Excavation of stored topsoil and relocated on site.
- Excavation of a mixture of materials to allow the construction of the Velodrome and the national indoor sports arena.
- Stockpile and sealing of excavated material for future use as backfilling against concrete structures.

Photos of Martyn Ward Plant Limited operations:-

Below – Cat 345 loading a Volvo A30D to construct the SUDS pond.



Below – David Beveridge operating the Caterpillar 345 Backhoe



Below – Caterpillar 345 excavator loading an articulated dump truck. Due to the sub zero temperatures which Scotland had experienced for 3 weeks prior to operations, the excavator had to be break the surface with the teeth of the bucket, before the excavator could start loading.



Below – Rab Weir drives a Volvo A30D articulated dumptruck, hauling material from the excavation area to tip location.



Below – Dougie Rush drives a Volvo A30E articulated dumptruck, hauling material from the excavation area to tip location.



Below – Ross Miller carries out his health and safety checks prior to starting work on the Volvo dumptruck.



Staff

- Manager – Tam McPhail
- Maintenance Support - Chris Ward
- Office support by Joanne Ward, Yvonne McNeill and Linda McMahan

Plant Used

- Excavator - Caterpillar 345 backhoe, excavation and loading.
- Excavator – Volvo 210 backhoe, trimming excavations to exact formation.
- Dumptrucks - Volvo articulated dumptrucks, hauling material.
- Excavator - Volvo 210 backhoe, trimming to formation.
- Dozer – Cat D6N, grading site and tip as well as sealing tips and excavations.

Health and Safety

- Artificial lighting
- Traffic Management system
- Pedestrian and plant segregation
- Welfare facilities
- Toolbox talks
- PPE – Helmet, gloves, footwear, high visibility garments
- No Smoking
- No use of Mobile Phones

Environmental

- Martyn Ward Plant supplied and operated a fully bunded gas oil tank with fully enclosed pipe work and attachments.
- Refuelling training provided and procedure in place for the unloading and fuelling of plant.

Being a Good Neighbour

- Adherence to planning conditions in respect of starting times and noise and dust levels.
- Additional considerations due to the close proximity of Celtic Park. Early finishes on match days.

Engineering / Surveying

- Site surveyed and 3D digital model created of site to calculate volumes to be excavated (example of LSS software 3D view below)

