

CD622 Screening Form: Geotechnical Initial ReviewLlywodraeth Cymru
Welsh Government**PART 1 of 2: To be completed by Designer**

Scheme Name	Land north of Bronwylfa Road, Rhostyllen, Wrexham
Trunk Road Area	☒ North and Mid Wales ☐ South Wales
Route	A483
Start Location	B5098 Overbridge
End Location	150m north of B5098 overbridge
Scheme Description	Proposed development of Energy Storage System project on site west of A483, abutting a section of cutting adjacent to the northbound carriageway. (Assessment of Risk to cutting stability)
Design Organisation	AECOM Limited
Design Engineer	Bruce Shearer
Contact Email	bruce.shearer@aecom.com
Contact Phone	+44 7384 543 881
Date Submitted	16 October 2024
Current Stage	☐ Feasibility ☒ Preliminary Design ☐ Detailed Design

Tick the box adjacent to the item if the element is expected to be included in the works.

Earthworks

- ☐ Embankment or cutting construction / modification <2.5m maximum height
☐ Embankment or cutting construction / modification >2.5m maximum height

Strengthened Earthworks

- ☐ Reinforced soil slopes
☐ Gabion baskets or crib structures
☐ Load transfer platforms
☐ Soil Nailing
☐ Grouted Anchors
☐ Other strengthened earthworks

Rock Slopes

- ☐ Rock cutting
☐ Rock slope modification or reinforcement
☐ Rock fall protection measures

Earth Retaining Structures

- ☐ Sheet piled walls
☐ Gravity concrete or masonry walls
☐ Cantilever wall construction
☐ Other earth retaining structure

Structural Foundations and Excavations

- ☐ New structure and foundations
☐ Pier strengthening
☐ Sign bases including gantries and MS3/4

Excavations for Tunnels and Service Ducts (including trenchless techniques)

- ☐ Ducts <900mm external diameter
☐ Ducts >900mm but < 2000mm external diameter
☐ Ducts >2000mm external diameter

- ☐ Directional drilling or other trenchless techniques

Remedial Works to Geotechnical Defects

- ☐ Earthworks defects

Temporary Works

- ☐ Scaffold structures for support or access
☐ Excavations supported or unsupported (>500mm deep)
☐ Propping systems
☐ Formwork
☐ Haul roads
☐ Piling platforms
☐ Temporary bridges
☐ Groundwater control or dewatering systems

Signs

- ☐ ADS <9m high (within the scope of CD 354)
☐ ADS >9m high
☐ Other signs not classed as structures
☐ Signs constructed on slopes

Lighting Columns

- ☐ Lighting columns <20m high (within the scope of CD 354)
☐ Lighting columns >20m high

Cameras

- ☐ CCTV Specs Gatso (permanent and temporary) <25m high (within scope of CD 354)
☐ CCTV Specs Gatso (permanent and temporary) >25m high

Cable Trenching

- ☐ Lighting, comms etc. <0.5m deep
☐ Lighting, comms etc. >0.5m deep

Environmental Barriers

- ☐ Noise fences
☐ Earth bunds

Drainage, Buried Tanks, Ponds and Chambers

- ☐ Balancing tanks
☐ Pollution control devices (e.g. petrol interceptors)
☐ Fuel tanks
☐ Drainage chambers >2.0m deep
☐ Modification to existing drainage systems

Safety Fencing

- ☐ Any type

Carriageway Works

- ☐ Excavation above sub-base level
☐ Excavation below sub-base level

Excavation / Assessment below sub-base level

- ☐ Full depth carriageway reconstruction
☐ Treatment of underground void / past mining

Other design or construction activity

- ☒ Other design or construction activity. Give details below.

Any other design or construction activity:

No changes proposed to Trunk Road. This assessment has been undertaken to present the analysis of risk to cutting slope from adjacent proposed development.

Please refer to AECOM Technical Note 'A483 Slope Stability Review' appended

PART 2 of 2: To be completed by Welsh Government's Geotechnical Advisor

Geotechnical Advisor:	
Database(s) Checked:	☐ IRIS ☐ HA GDMS
Date Checked:	
Database Findings:	
Geotechnical Advisor's Comments and Recommendations:	
Is CD622 Geotechnical Certification Required?	☐ Yes ☒ No