



UNIVERSAL DESTINATIONS & EXPERIENCES UK PROJECT

Former Kempston Hardwick Brickworks
and adjoining land, Bedford

Appendix I(2) Topsoil Stockpile Detail

Revision Number: 02
Date: August 2026



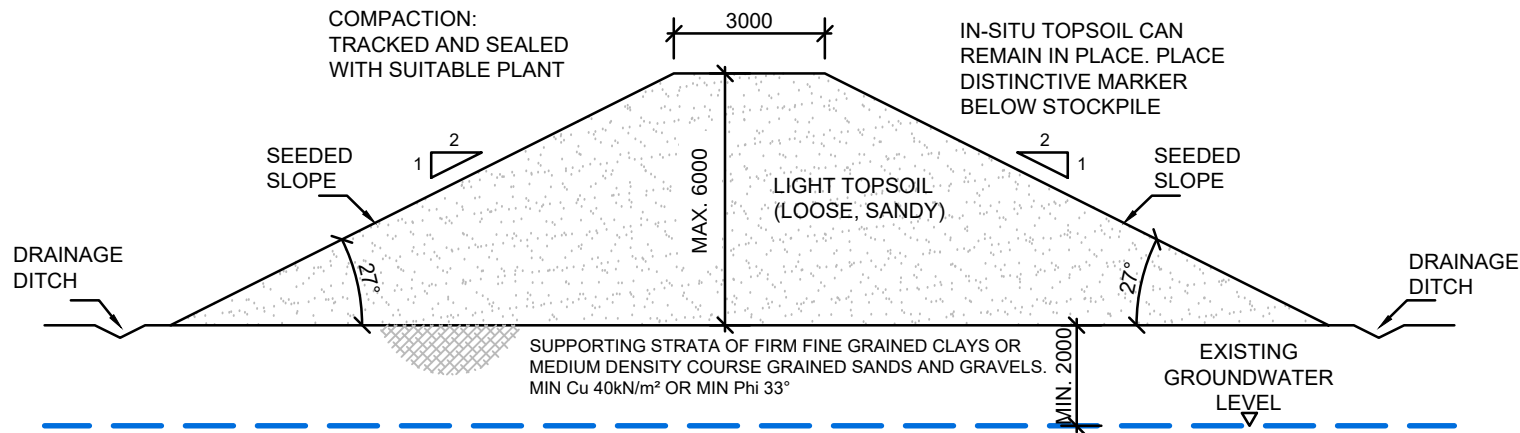


FIGURE C - HEAVY TOPSOIL
TYPICAL SECTION THROUGH STOCKPILE - NOT TO SCALE

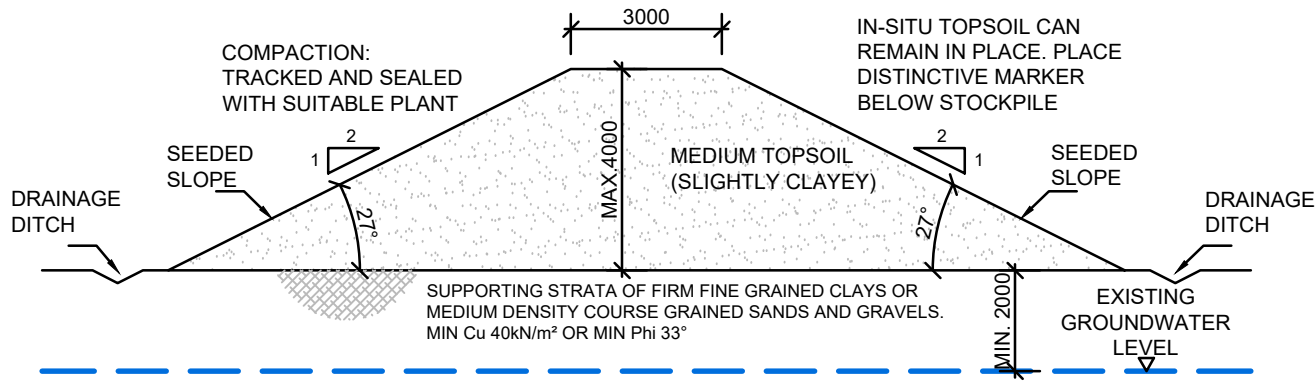


FIGURE B - MEDIUM TOPSOIL
TYPICAL SECTION THROUGH STOCKPILE - NOT TO SCALE

CONSTRUCTION SEQUENCE - TOPSOIL / SUBSOIL STOCKPILES:

1. CHECK FORMATION HAS SUITABLE STRENGTH - REFER TO SECTIONS
2. EXISTING TOPSOIL NEED NOT BE STRIPPED - PLACE DISTINCTIVE MARKER LAYER OF GEOTEXTILE, STRAW OR SIMILAR TO AID RECOVERY.
3. COMPACT MATERIAL BY TRACKING AND SEALING WITH APPROPRIATE PLANT TO CONTRACTORS REGIME, OR ACCORDING TO DfT SPECIFICATION FOR HIGHWAY WORKS
4. CONSTRUCT SIDE SLOPES TO A MAXIMUM ANGLE AS SHOWN IN TABLE 1
5. CONSTRUCT STOCKPILE TO A MAXIMUM HEIGHT AS SHOWN IN TABLE 1
6. CONSTRUCT TOP OF STOCKPILE TO A MINIMUM WIDTH OF 3.0m
7. SEED SIDE SLOPES WITH A LOW MAINTENANCE GRASS / CLOVER MIX
8. CONSTRUCT A PERIMETER DRAINAGE DITCH TO AID WATER DISPERSAL FROM TOES OF STOCKPILE SLOPES. THIS MUST DIRECT WATER AWAY FROM STOCKPILES VIA GRAVITY.
9. CARRY OUT REGULAR INSPECTIONS OF STOCKPILES AND IMMEDIATELY AFTER ANY EXTREME (WET, COLD, OR WARM) WEATHER EVENTS

TABLE 1 - GENERAL RULES FOR STOCKPILE DESIGN

MATERIAL TYPE	SLOPE ANGLE	MAX. HEIGHT	COMPACTION	NOTES
LIGHT TOPSOIL (LOOSE SANDY)	1V TO 2H (27°)	5.0m	TRACKED AND SEALED WITH SUITABLE PLANT	SEED SLOPE TO MANAGE EROSION
MEDIUM TOPSOIL (SLIGHTLY CLAYEY)	1V TO 2H (27°)	4.0m	TRACKED AND SEALED WITH SUITABLE PLANT	SEED SLOPE TO MANAGE EROSION
DRY HEAVY TOPSOIL (CLAYEY, PLASTIC)	1V TO 2H (27°)	6.0m	TRACKED AND SEALED WITH SUITABLE PLANT	SEED SLOPE TO MANAGE EROSION
WET HEAVY TOPSOIL (CLAYEY, PLASTIC)	1V TO 3H (18°)	3.0m	TRACKED AND SEALED WITH SUITABLE PLANT	CONSIDER DRYING IN WIND ROWS TO ALLOW FURTHER COMPACTION; SEED SLOPE TO MANAGE EROSION

GENERAL NOTES:

1. DO NOT SCALE FROM THIS DRAWING.
2. THIS DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT SITE-SPECIFIC ARCHITECTS & ENGINEERS DRAWINGS & DETAILS.
3. THE CLIENT AND CONTRACTOR TO BE AWARE OF THEIR RESPECTIVE DUTIES WITH REGARD TO CDM 2015. WHERE CLIENT / CONTRACTOR REQUIRES ADVICE OR IS IN DOUBT PLEASE DO CONTACT HSE (www.hse.gov.uk/construction/cdm/) OR NORTHERN STRUCTURAL SERVICES. NORTHERN STRUCTURAL SERVICES ARE NOT APPOINTED AS THE PRINCIPAL DESIGNER UNLESS SPECIFICALLY AGREED OTHERWISE.
4. THE CONTRACTOR SHALL INSPECT ALL ADJOINING PROPERTIES - WHEN APPLICABLE - WHICH MAY BE AFFECTED BY THE WORKS PRIOR TO COMMENCEMENT AND MUST REPORT ANY DEFECTS TO THE OWNER.
5. IT IS THE CLIENT'S RESPONSIBILITY TO FORMALLY NOTIFY ADJOINING OWNERS OF ANY POTENTIAL WORK THAT MAY AFFECT THEM UNDER THE PARTY WALL ACT 1996.
6. TEMPORARY STABILITY OF STOCKPILES DURING CONSTRUCTION TO BE THE RESPONSIBILITY OF THE CONTRACTOR
7. THIS DESIGN DOES NOT COVER STOCKPILING OF PEAT
8. STOCKPILES INCLUDING DRAINAGE FEATURES MUST NOT BE POSITIONED WITHIN THE ROOT OR CROWN SPREAD OF TREES
9. STOCKPILES TO BE KEPT AWAY FROM ALL SENSITIVE RECEPTORS INCLUDING EXISTING STRUCTURES, HISTORIC FEATURES, SERVICES ETC. STOCKPILES TO TAKE INTO ACCOUNT PREDOMINANT WIND DIRECTION TO SENSITIVE RECEPTORS
10. STOCKPILES TO BE A SAFE DISTANCE FROM ANY CUT EXCAVATION OR RETAINING WALL. MIN. DISTANCE TO BE 2.0 x DEPTH OF CUT / HEIGHT OF WALL.
11. STOCKPILES NOT TO BE LOCATED ON POOR GROUND - SEE SECTIONS FOR REQUIREMENTS
12. NO GROUNDWATER TO BE PRESENT WITHIN 2.0m OF FORMATION
13. TOPS OF STOCKPILES TO HAVE MIN. 3.0m WIDTH.
14. WHERE STOCKPILES TO BE CONTINUALLY TRACKED, PLACE VEHICLE BARRIERS (CONCRETE BLOCKS OR EQUIVALENT MIN. 0.5m FROM EDGE.
15. STOCKPILES TO BE REGULARLY INSPECTED, ESPECIALLY AFTER PERIODS OF EXTREME WET OR WARM WEATHER FOR SIGNS OF INSTABILITY OR CRACKING.

CONSTRUCTION SEQUENCE - FINE GRAINED (CLAYS & SILTS) STOCKPILES:

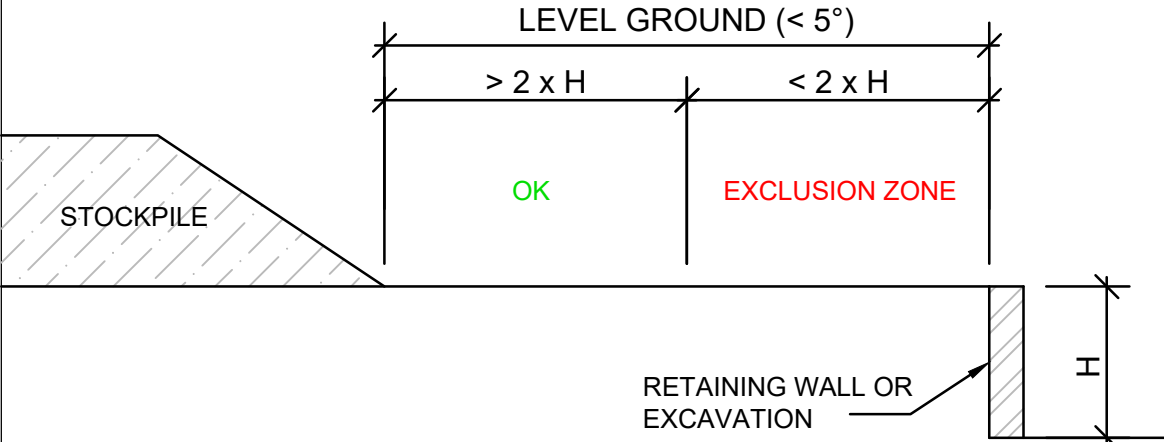
1. REMOVE TOPSOIL
2. REMOVE SUBSOIL IF DESIGN REQUIRES
3. PROOF ROLL FORMATION AND CHECK FORMATION HAS SUITABLE STRENGTH - REFER TO SECTIONS
4. COMPACT MATERIAL BY TRACKING AND SEALING WITH APPROPRIATE PLANT TO CONTRACTORS REGIME, OR ACCORDING TO DfT SPECIFICATION FOR HIGHWAY WORKS
5. CONSTRUCT SIDE SLOPES TO A MAXIMUM ANGLE AS SHOWN IN TABLE 1
6. CONSTRUCT STOCKPILE TO A MAXIMUM HEIGHT AS SHOWN IN TABLE 1
7. CONSTRUCT TOP OF STOCKPILE TO A MINIMUM WIDTH OF 3.0m
8. SEED SIDE SLOPES WITH A LOW MAINTENANCE GRASS / CLOVER MIX
9. CONSTRUCT A PERIMETER DRAINAGE DITCH TO AID WATER DISPERSAL FROM TOES OF STOCKPILE SLOPES
10. CARRY OUT REGULAR INSPECTIONS OF STOCKPILES AND IMMEDIATELY AFTER ANY EXTREME (WET, COLD, OR WARM) WEATHER EVENTS

RESIDUAL RISKS:

- SERVICES - IF UNEXPECTED SERVICES ARE ENCOUNTERED CEASE OPERATIONS AND CONTACT THE SERVICE OWNER
- WORKING AT HEIGHT - MINIMUM 0.5m EDGE DISTANCE REQUIRED BETWEEN PLANT AND CREST OF STOCKPILE
- EXCESSIVE SETTLEMENT - IF EXCESSIVE SETTLEMENT OF STOCKPILE OCCURS CEASE OPERATIONS UNTIL THE CAUSE CAN BE IDENTIFIED AND REMEDIATED
- CONTAMINATION - IF CONTAMINATION IS FOUND / SUSPECTED. CEASE OPERATIONS UNTIL THE SOIL CAN BE TESTED / REMEDIATED
- SOURCES OF VIBRATION - EG. SITE PLANT DURING GROUND IMPROVEMENT, PILING, DEMOLITION, CONSTRUCTION - STOCKPILE TO BE REGULARLY MONITORED
- SURFACE WATER FLOODING - STOCKPILE TO BE REGULARLY MONITORED

DESIGN EXCLUSIONS:

- EXISTING STRUCTURES - NO ASSESSMENT HAS BEEN MADE OF ANY EXISTING STRUCTURES AND SERVICES LOCATED UNDER OR ADJACENT STRUCTURES. NO STOCKPILING IS PERMITTED OVER OR IMMEDIATELY ADJACENT EXISTING STRUCTURES AND SERVICES.
- NO ASSESSMENT HAS BEEN MADE FOR STOCKPILING PEAT
- OPEN CUT EXCAVATIONS - NO ASSESSMENT HAS BEEN MADE TO ANY EXISTING OR PROPOSED OPEN CUT EXCAVATIONS OR RETAINING WALLS WHERE THE TOE OF THE STOCKPILE WILL BE WITHIN 2x HEIGHT OF CUT / EXCAVATION OR BACK OF RETAINING WALL



Project Name:

Universal Destinations & Experiences

Site Address:

Former Kempston Hardwick
Brickworks and adjoining land,
Bedford

SCALE:

1:500

Project Locator:

Sheet Name:

20260813-IN- CEMP4.1- UDX - C12- Mass Grading
(WV) CEMP Appendix I(2)- Topsoil Stockpile Detail -
Rev 01

For Endorsement

REV #:

02