

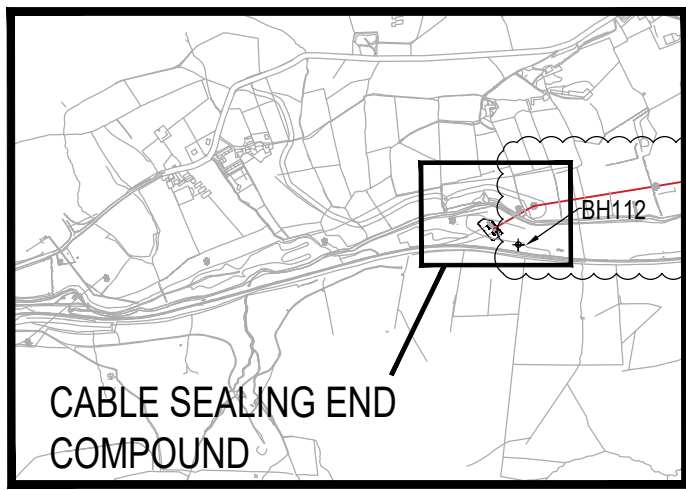
P.03

Cut/Fill Summary - CSEC WF

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
CSEC WF	1.000	1.050	3063.619 sq.m	822.748 Cu. M.	678.525 Cu. M.	144.223 Cu. M.<Cut>

COMPOUND FORMATION SETTING OUT POINTS

REF	EASTING	NORTHING	FORMATION LEVEL (m)	FINISHED LEVEL (m)
TP01	417310.14	402654.65	278.190	278.565
TP02	417352.93	402603.80	278.190	278.565
TP03	417362.04	402603.02	278.302	278.677
TP04	417388.46	402625.25	278.703	279.078
TP05	417355.62	402664.27	278.703	279.078
TP06	417328.28	417328.28	278.471	278.846



KEYPLAN

0 100
This drawing may have been reduced original scale : 100mm

Reference Drawings Legend Notes

REFERENCE DRAWINGS:

14/MS/0003-14/MS/0010 HAZD PLAN DRAWINGS
18/MS/0010 WOGDEN FOOT COMPOUND - CUT AND FILL ANALYSIS SECTIONS
18/MS/0009 WOGDEN FOOT CSEC DRAINAGE LAYOUT
21/MS/0044 WOGDEN FOOT COMPOUND GA
34/MS/0015 SUBSTATION FENCE LAYOUT AND DETAIL
34/MS/0016 SUBSTATION FENCE LAYOUT AND DETAIL SHEET 2

NOTES

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS AND COORDINATES ARE IN METRES UNLESS NOTED OTHERWISE.
- SPOT LEVELS SHOWN ARE THE PROPOSED EARTHWORKS FORMATION LEVELS.
- EXISTING FORMATION LEVELS ARE TAKEN AFTER AN ASSUMED 300mm GLOBAL SITE STRIP HAS TAKEN PLACE.
- THE CUT/FILL VOLUMES SHOWN ARE BETWEEN THE EXISTING FORMATION AND THE PROPOSED FORMATION. THEY DO NOT INCLUDE THE VOLUMES GENERATED BY THE ASSUMED 300MM TOPSOIL STRIP OVER THE '2D AREA' NOR ANY IMPORTED STONE.
- THE CUT AND FILL VOLUMES ARE BASED ON PROVISIONAL TOPOGRAPHICAL SURVEY. INFORMATION TO BE VERIFIED WHEN DEFINITIVE TOPOGRAPHICAL SURVEY IS RECEIVED.
- PRELIMINARY DESIGN IS BASED ON READINGS FROM BH12.
- THE SURPLUS VOLUME SHOWN IS ASSUMED TO CONSIST OF UNSUITABLE/NON ENGINEERED MATERIAL AND HAS BEEN SET AT AN ARBITRARY VALUE OF 18% OF THE OVERALL CUT VOLUME. HOWEVER, DUE TO THE CURRENT UNCERTAINTY ON THE EXTENT OF UNSUITABLE MATERIAL PRESENT (REF REFER TO BOREHOLE RECORD BH12 FOR FURTHER DETAILS) THERE IS A RISK THAT THIS VALUE MAY INFACT BE HIGHER THAN STATED. THE TRUE VALUE CAN ONLY BE DETERMINED THROUGH FURTHER GEOTECHNICAL AND GEO-ENVIRONMENTAL TESTING OF THE EXISTING MATERIALS.
- EARTHWORKS REQUIREMENT TO COMPLY WITH STATUTORY EXTERNAL ELECTRICAL CLEARANCES BETWEEN CSEC AND NEW TOWER 420157R TO BE CONFIRMED WITH EXISTING TOPOGRAPHICAL SURVEY GROUND SPOT LEVEL VERIFICATION AND LIDAR DATA.
- THERE WILL BE A NEED TO SIEVE ALL EXCAVATED MATERIALS AND SUBJECT THEM TO SOIL CLASSIFICATION BEFORE THEY CAN BE USED AS FILL.
- PLACEMENT OF ALL EARTHWORKS MATERIAL IDENTIFIED FOR FILL WILL REQUIRE CAREFUL MANAGEMENT IN ORDER TO HELP ACHIEVE SUITABLE GROUND BEARING CONDITIONS FOR ACCOMMODATING FOUNDATIONS.
- SUBSTATION SURFACING MATERIAL TO BE IN ACCORDANCE WITH NG TS 3.10.02 MATERIALS, 2.10.08 ROADWORKS AND SURFACING, 3.10.03 EXCAVATION, BACKFILLING AND RESTORATION AND 3.10.08 ROADWORKS.
- SUB-BASE MATERIAL TO BE IN ACCORDANCE WITH NG TS 2.10.08 ROADWORKS AND SURFACING AND MCHW VOLUME 1 SERIES 600 TABLE 6/1.
- SUB-BASE MATERIAL SPECIFICATION BASED ON SUB-GRADE CBR GREATER OR EQUAL TO 3, IN ACCORDANCE WITH NG TS 2.10.08 ROADWORKS AND SURFACING. FOR SUB GRADE CBR LESS THAN 3% A REVISED PLATFORM FOUNDATION WILL BE NEEDED.
- FILL MATERIAL AND COMPACTION METHODOLOGY TO BE IN ACCORDANCE WITH NG TS 3.10.03 EXCAVATION, BACKFILLING AND RESTORATION AND MCHW VOLUME 1 SERIES 600, SERIES 900 AND SERIES 1100.
- THE CUT AND FILL MODEL DOES NOT INCLUDE THE VOLUMES REQUIRED FOR THE FOUNDATIONS, DRAINAGE, TOPSOIL AND ACCESS ROAD.
- AREA TO BE SURVEYED FOR UNDERGROUND SERVICES PRIOR TO COMMENCEMENT OF WORK.
- TIMBER EDGING DETAIL TO BE DONE BY MAIN CONTRACTOR.

MORGAN SINDALL INFRASTRUCTURE PRELIMINARY

CUT FACTOR UPDATED. COMMENTS INCORPORATED. CHAINAGE ADDED.

Revision	Description	Drawn	IS	Date	15/04/2020	17/08/2020	PS	SJS
P03	ISSUED FOR ASSURANCE	IS	IS	15/04/2020	17/08/2020	PS	PS	SJS
P02	ISSUED FOR ASSURANCE	IS	IS	15/04/2020	17/08/2020	PS	PS	SJS
P01	ISSUED FOR ASSURANCE	IS	IS	15/04/2020	17/08/2020	PS	PS	SJS
Revision	Description	Drawn	IS	Date	15/04/2020	17/08/2020	PS	SJS

nationalgrid

National Grid plc, Warwick Technology Park, Gailows Hill, Warwick, CV34 6DA

**MORGAN
SINDALL**
INFRASTRUCTURE

BakerHicks

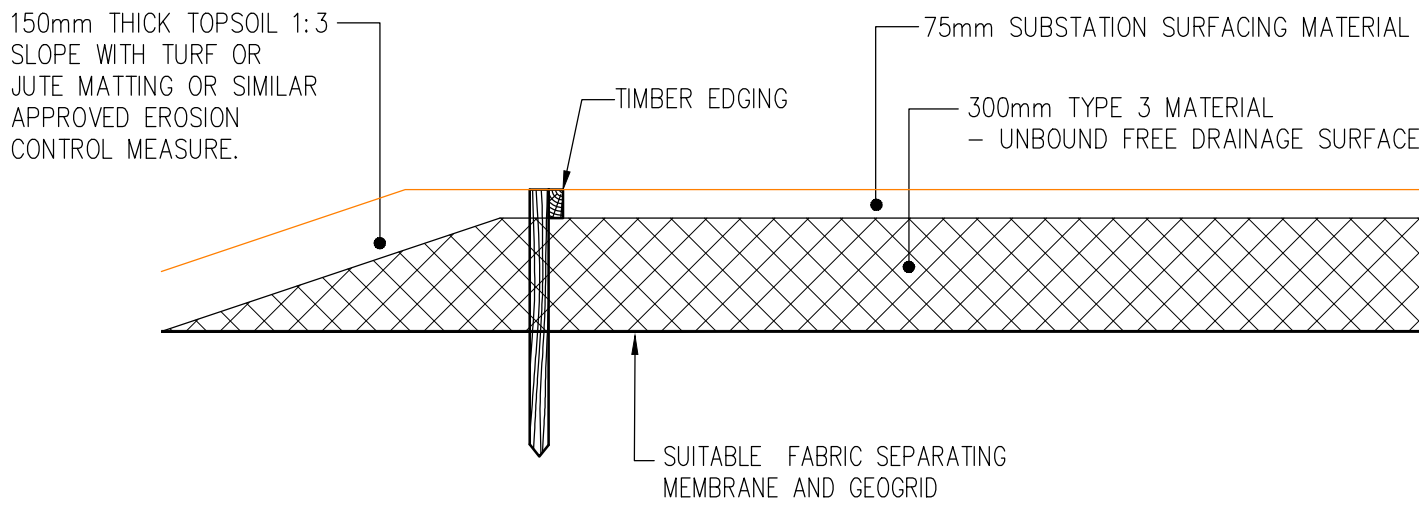
Project **PEAK DISTRICT EAST VIP SCHEME
NG INVESTMENT No. 33492**

Title **WOGDEN FOOT CABLE SEALING END COMPOUND
CUT AND FILL
ANALYSIS PLAN**

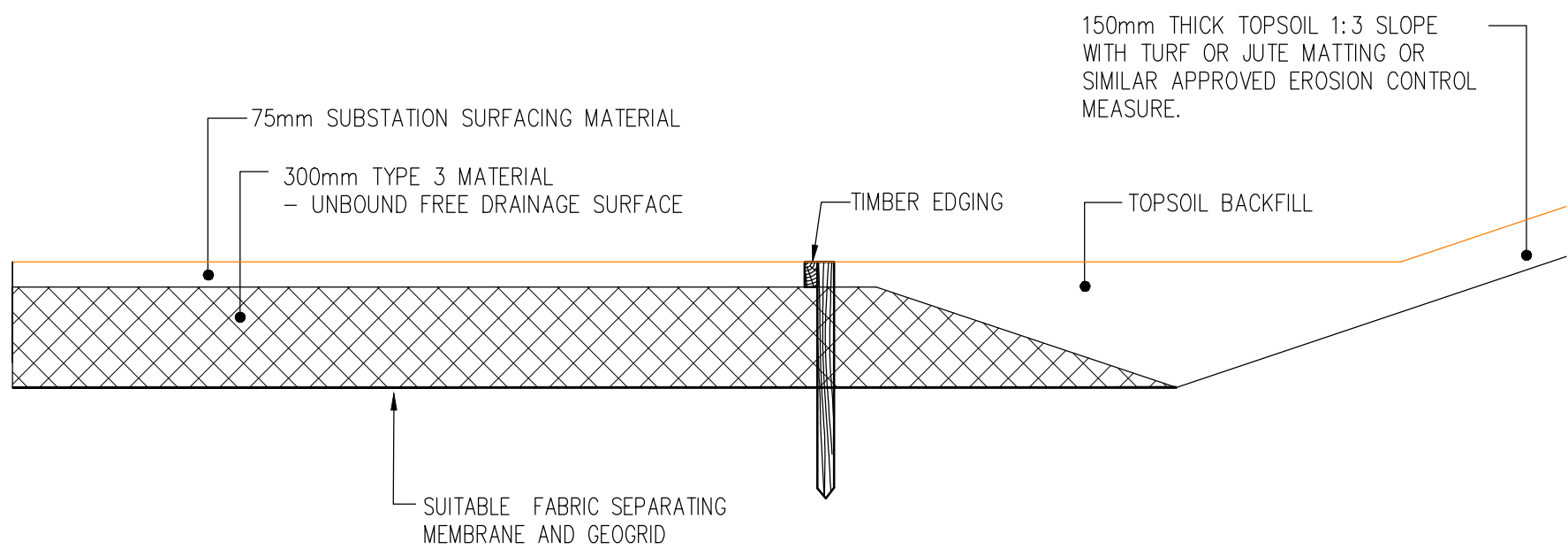
Scale **AS SHOWN** (when plotted @ A1)
Date **27/03/2020** Date **30/03/2020** Date **30/03/2020**
Checked **PS** Approved **SJS**
CAD Ref **S:\London\Projects\33002035 - VIP Peak East\09_CAD\03_BH\04_civil\Model Information (WP)**

Project number **4M3000** MS drawing number **16866-BH-0608-XX-DR-C-010097** Revision **P03**

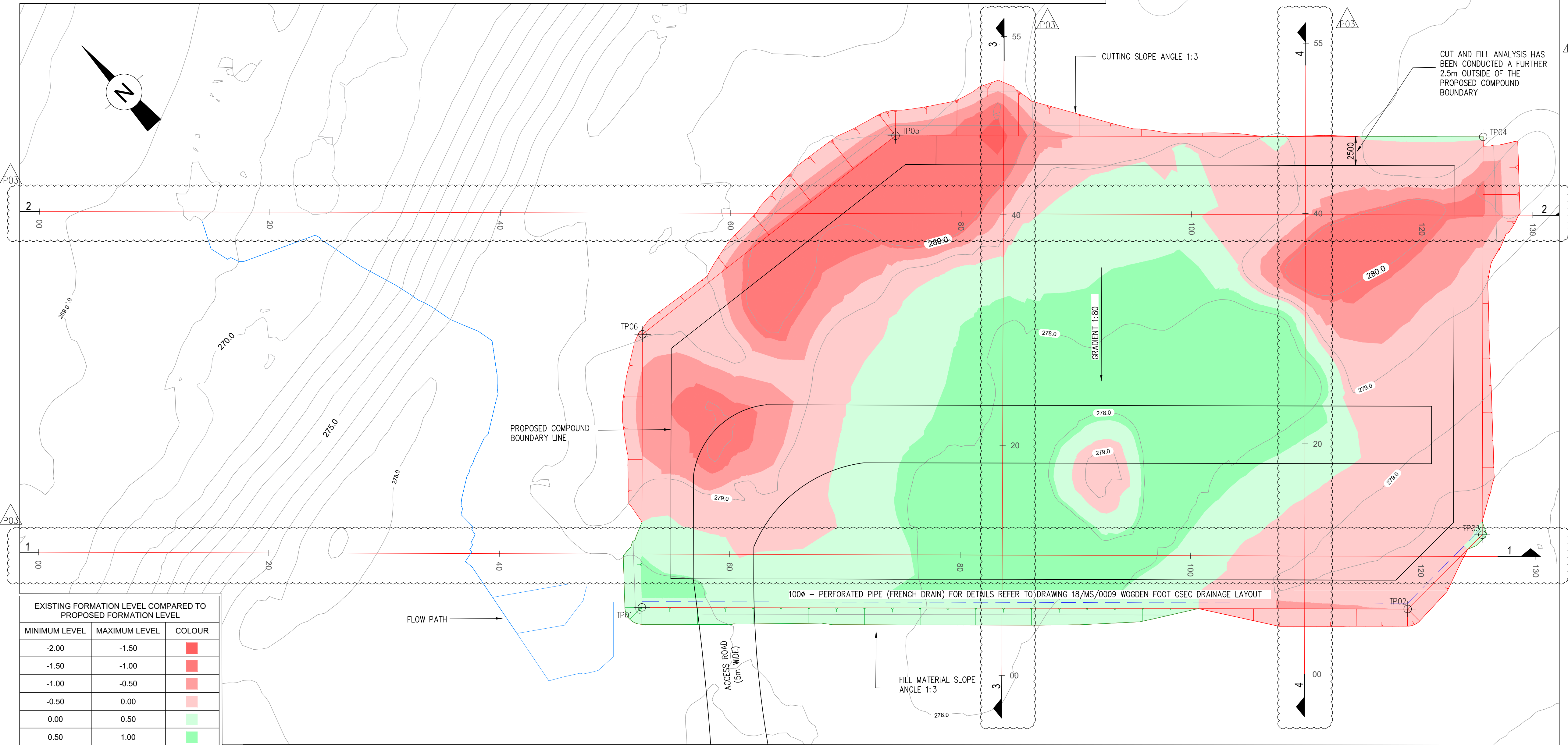
NG Scheme Number **33492** NG drawing number **18/MS/0004**



COMPOUND SURFACING EDGE DETAIL (FILL AREA)
SCALE: 1:20



COMPOUND SURFACING EDGE DETAIL (CUT AREA)
SCALE: 1:20



PLAN ON COMPOUND FORMATION
SCALE: 1:200