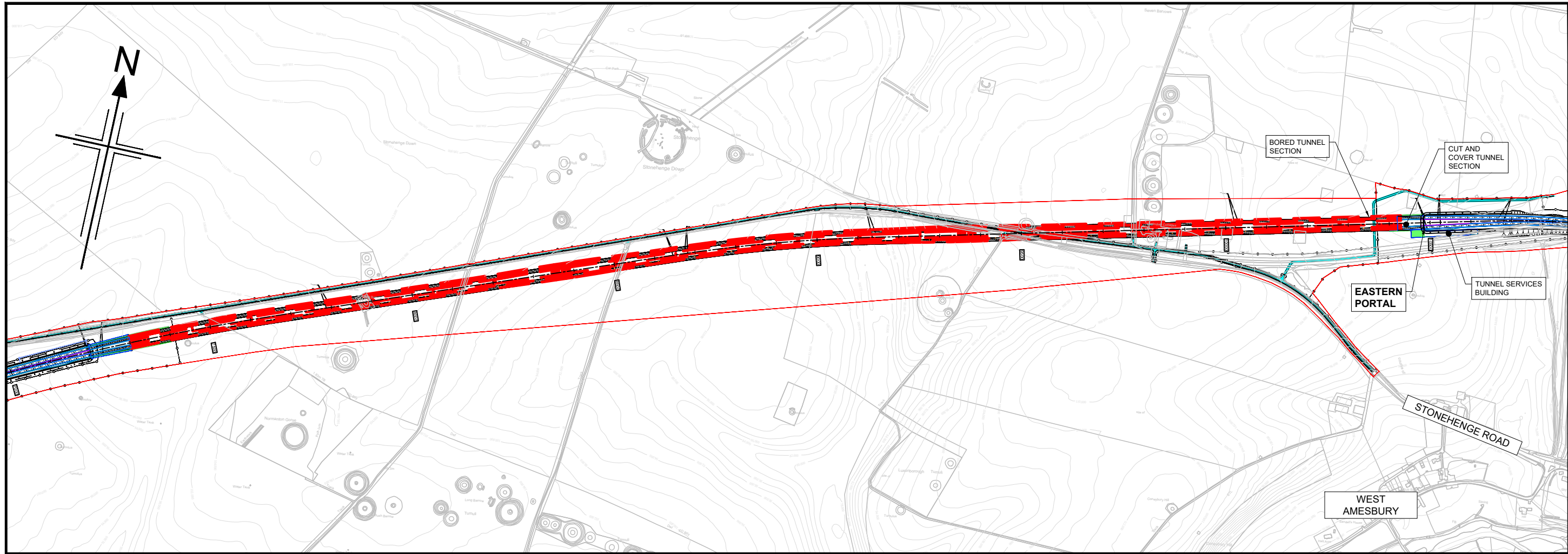
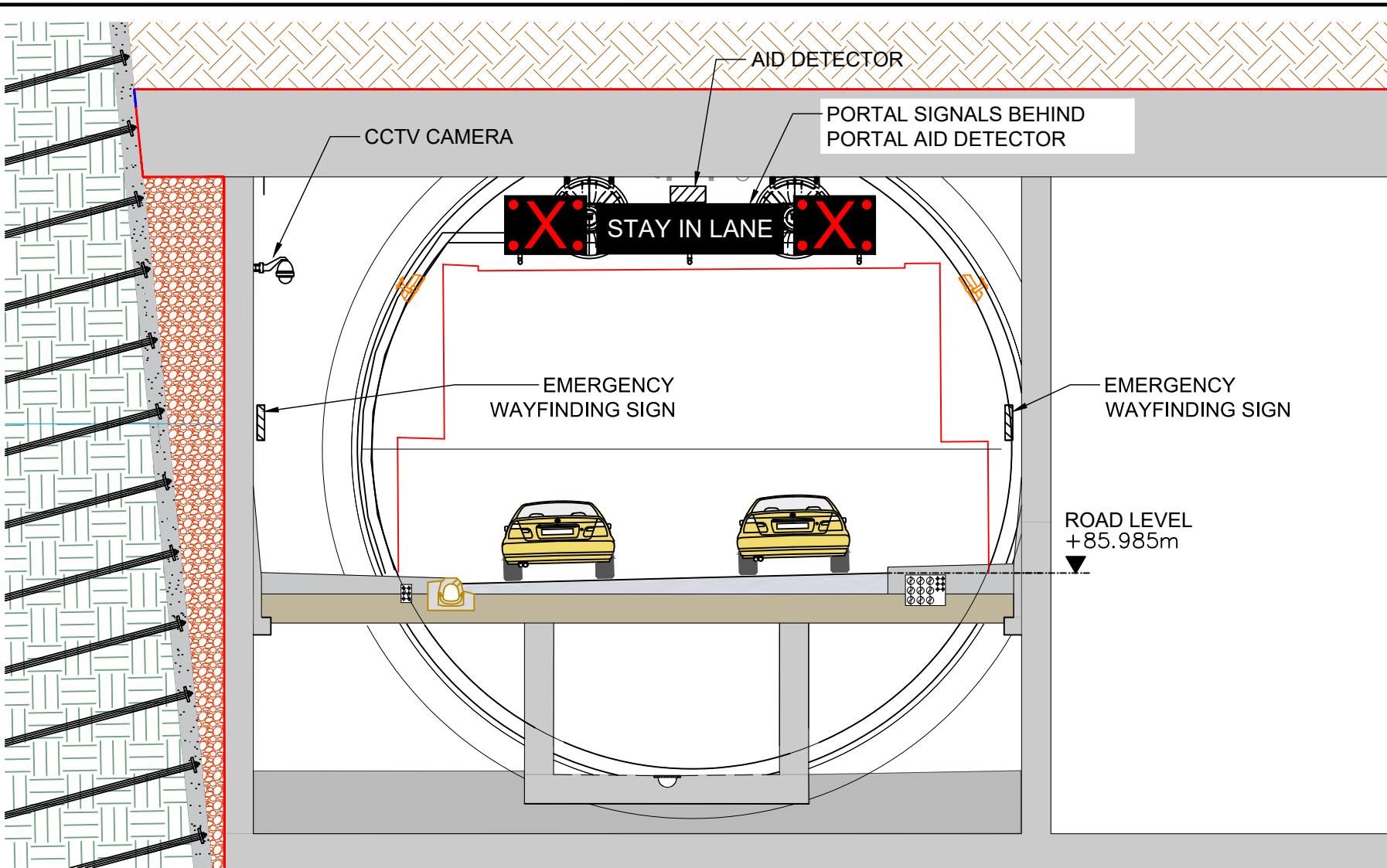


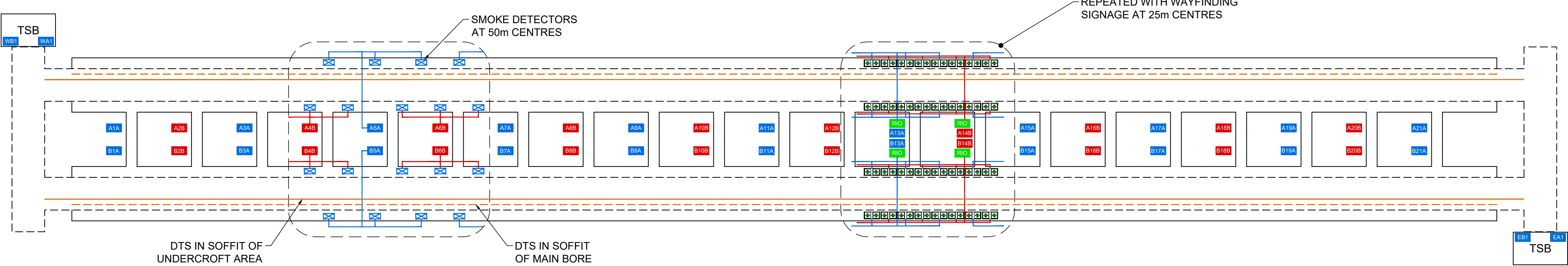


PLAN  
SCALE 1:10000

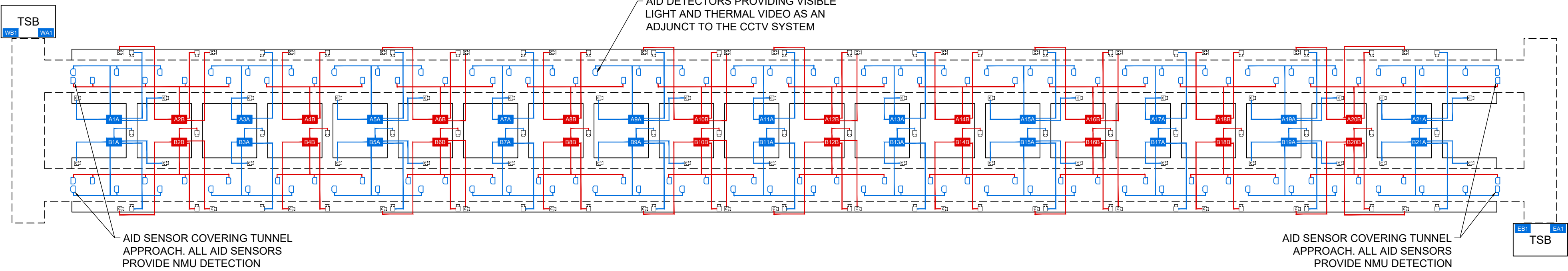


TYPICAL CROSS SECTION THROUGH  
THE CUT AND COVER  
SCALE 1:100

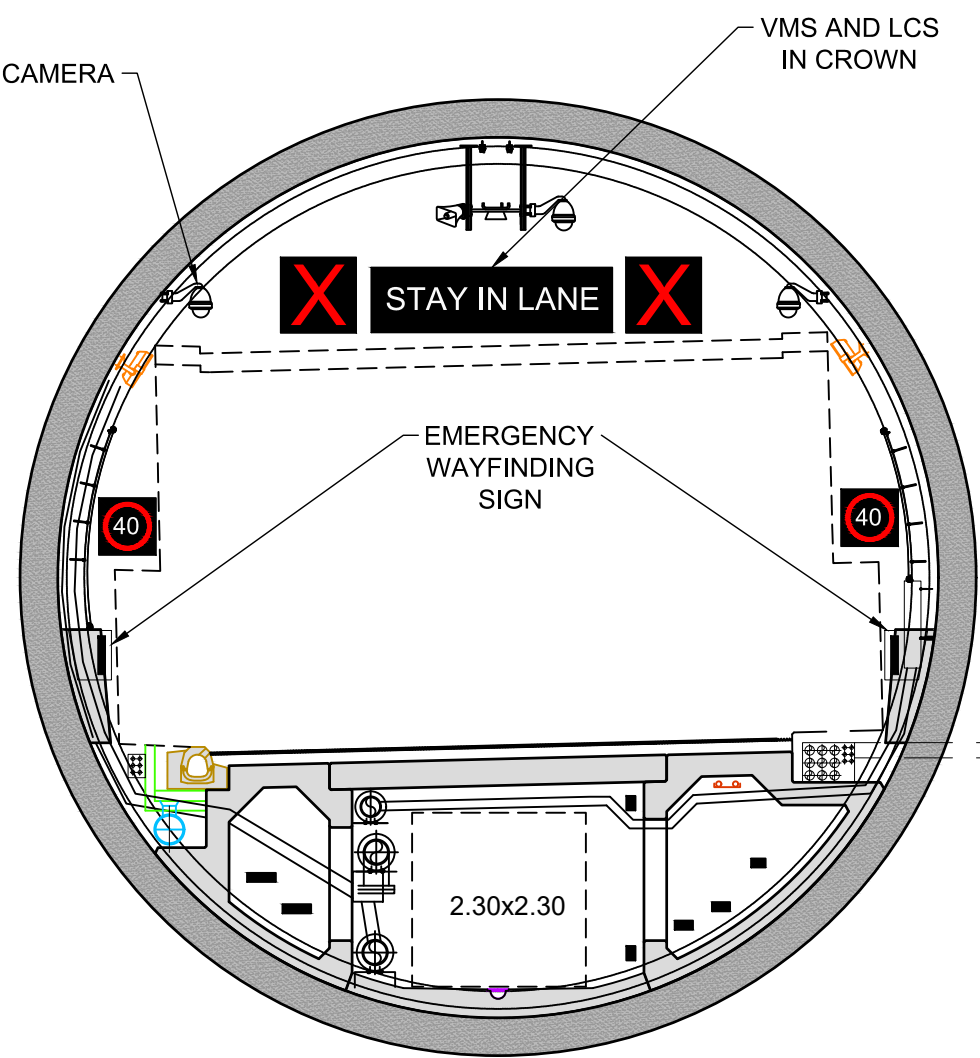
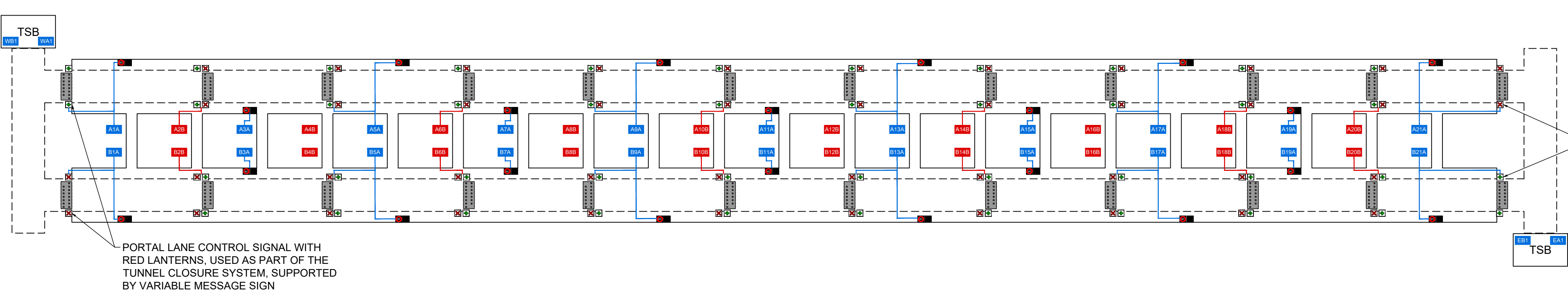
FIRE DETECTION AND EWF  
NTS



CCTV / AID  
(TQ2C3.1 Increased number of video feeds to provide resilience)  
NTS



SIGNAGE (LCS, PLCS & VMS)  
NTS



EASTBOUND TUBE SECTION CROSS TUNNEL  
SCALE 1:100

LEGEND

- A BORE NRTS SERVICE DELIVERY POINT IN CROSS PASSAGE 1 ON COMMUNICATIONS RING A
- A BORE NRTS SERVICE DELIVERY POINT IN CROSS PASSAGE 2 ON COMMUNICATIONS RING B
- B BORE DTS PROCESSING ELECTRONIC UNIT
- DTS SENSOR CABLE IN MAIN BORE
- DTS SENSOR CABLE IN UNDERCROFT
- AID DETECTOR ON COMMUNICATIONS RING A
- AID DETECTOR ON COMMUNICATIONS RING B
- PTZ CCTV CAMERA ON COMMUNICATIONS RING A
- FIXED CCTV CAMERA ON COMMUNICATIONS RING A
- ULTRA WIDE ANGLE CCTV CAMERA ON COMMUNICATIONS RING A (MOUNTED ON CROSS PASSAGE SOFFIT)
- BACK TO BACK LCS WITH VMS FACING WEST
- BACK TO BACK LCS WITH VMS FACING EAST
- WAYFINDER SIGNAGE
- DOUBLE SIDED SPEED LIMIT REPEATER SIGN

KEYPLAN

|     |           |                        |       |         |       |        |
|-----|-----------|------------------------|-------|---------|-------|--------|
| P02 | 25/02/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| P03 | 08/04/21  | FOR QUALITY SUBMISSION | SY    | RC      | DS    | DS     |
| P04 | 16/04/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| P05 | 10/06/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| P06 | 18/06/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| Rev | Rev. Date | Purpose of revision    | Drawn | Checked | Rev'd | Appr'd |



Client

highways  
england

Project

A303  
Amesbury to Berwick Down

Drawing title

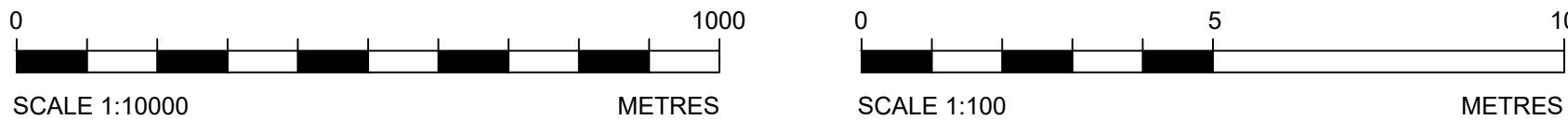
TECHNOLOGY SCHEMATIC  
PUBLIC HEALTH AND  
SURVEILLANCE AND CONTROL

Drawing status

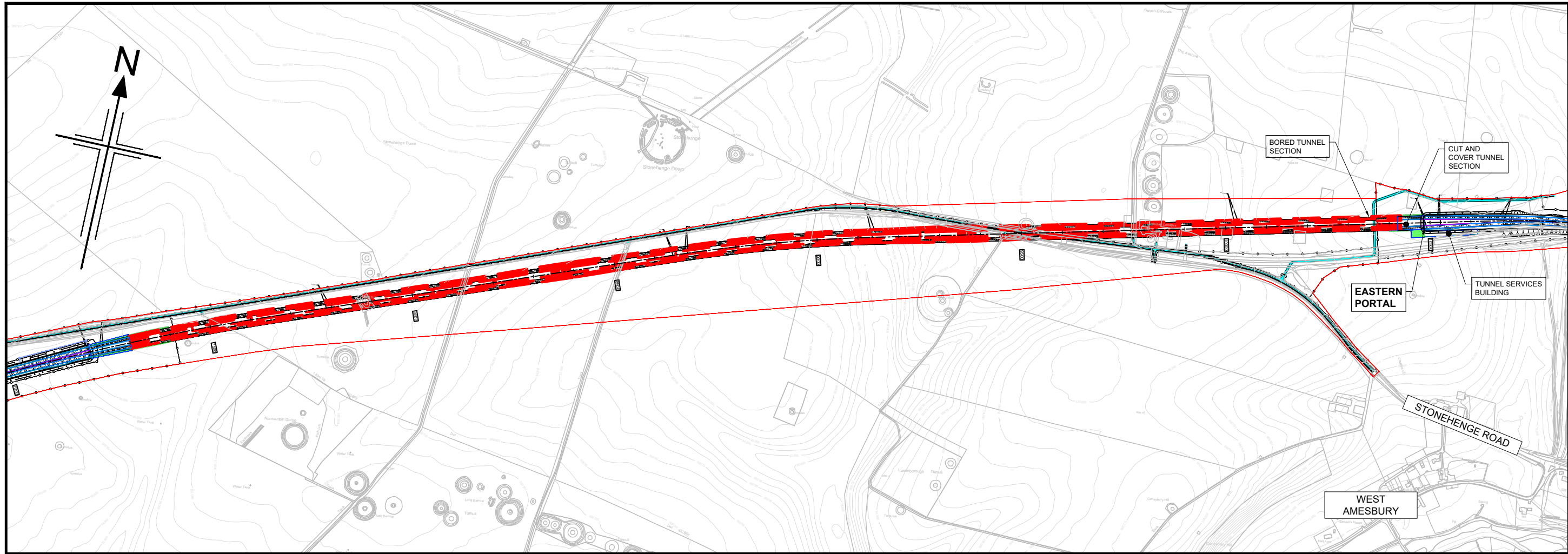
S4 - SUITABLE FOR STAGED APPROVAL

|               |             |              |
|---------------|-------------|--------------|
| State Code    | Preliminary | DO NOT SCALE |
| Project Stage | PCF Stage 5 |              |
| Scale         | AS SHOWN    |              |
| Jacobs No.    | HE551506    | Rev P06      |
| Client no.    | HE551506    |              |

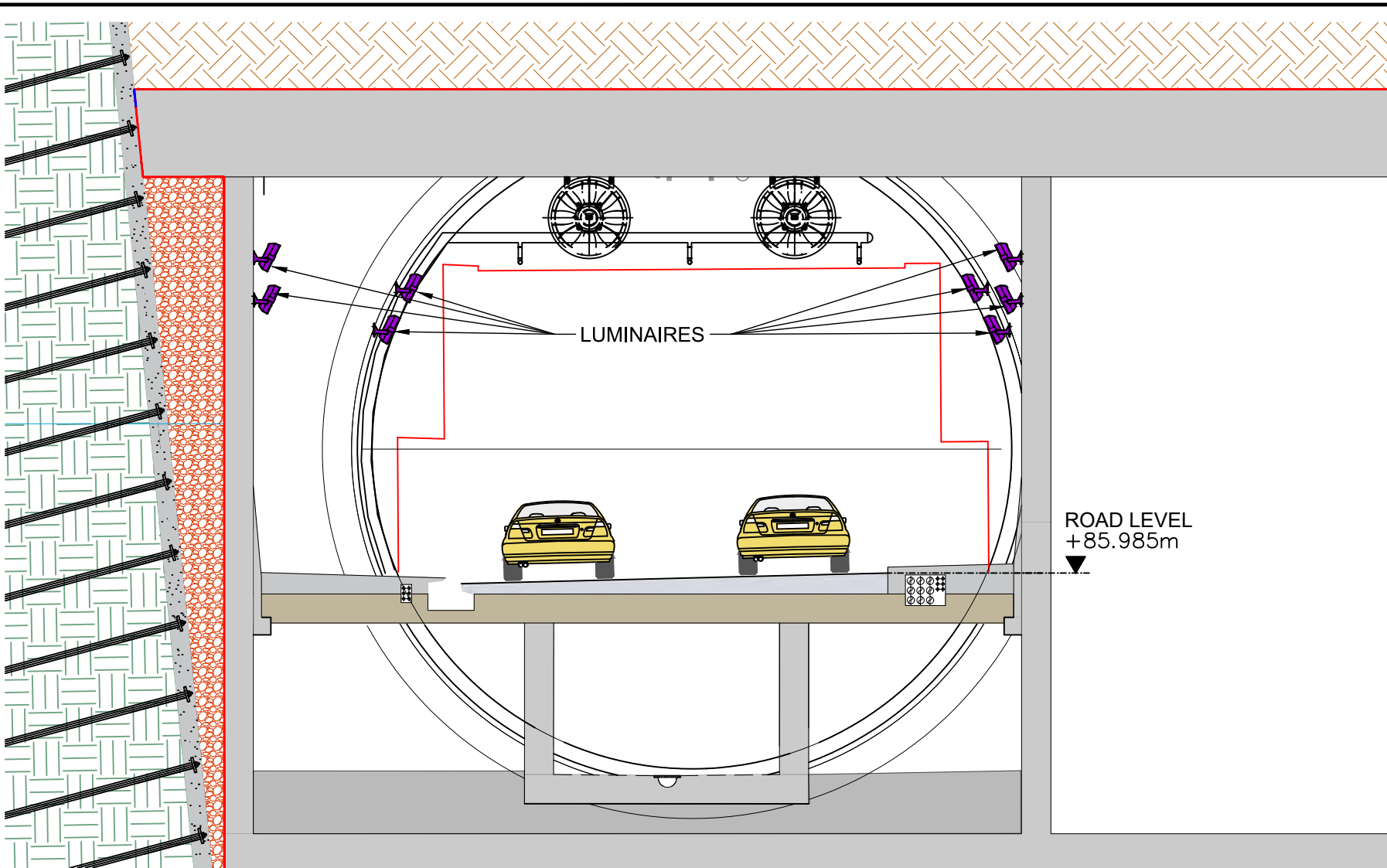
|                |             |        |
|----------------|-------------|--------|
| Drawing number | Originator  | Volume |
| HE551506 - BGR | - HOS-      |        |
| SWGN000Z       | -DR-TE-0103 |        |





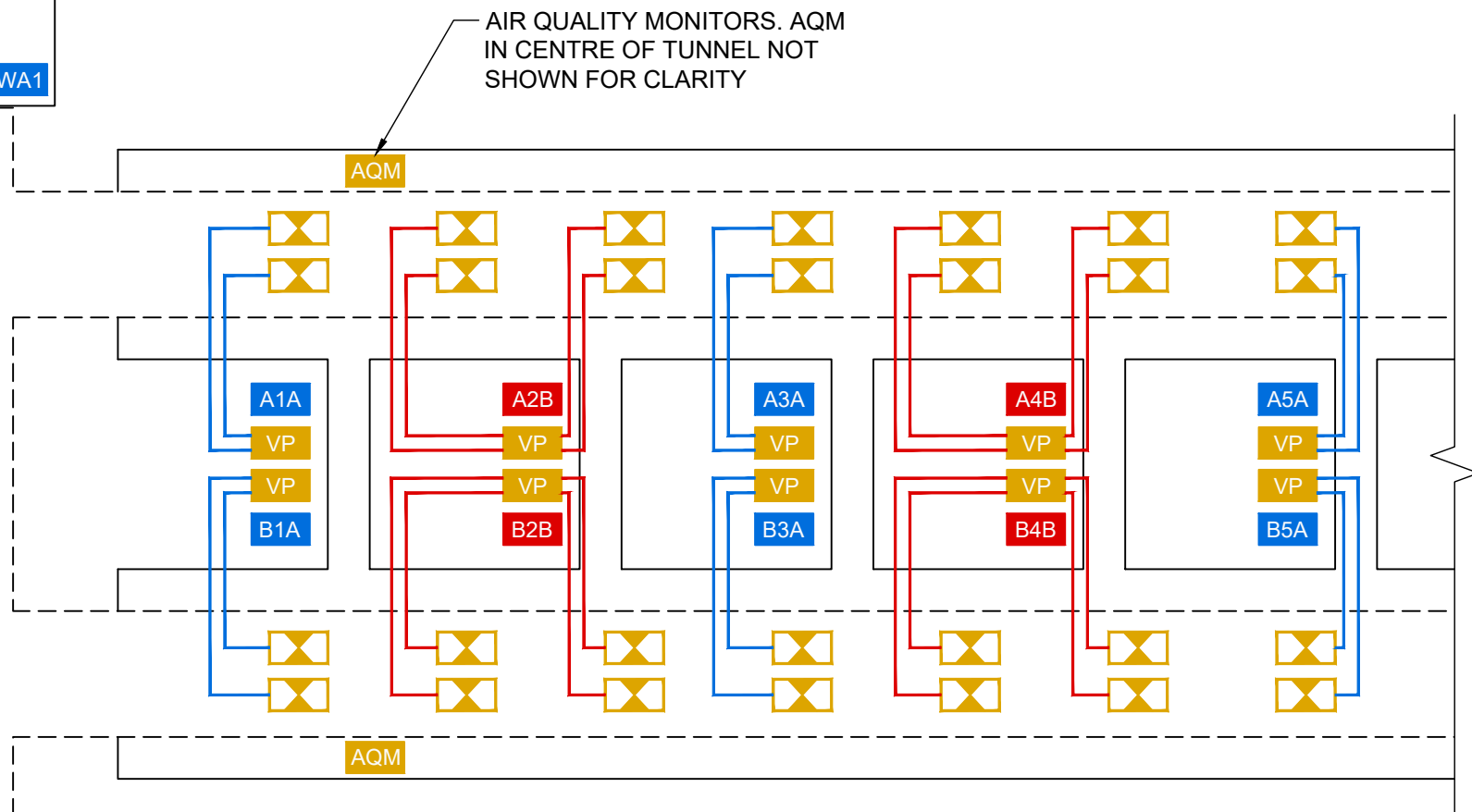
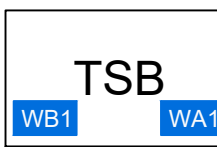


PLAN  
SCALE 1:10000

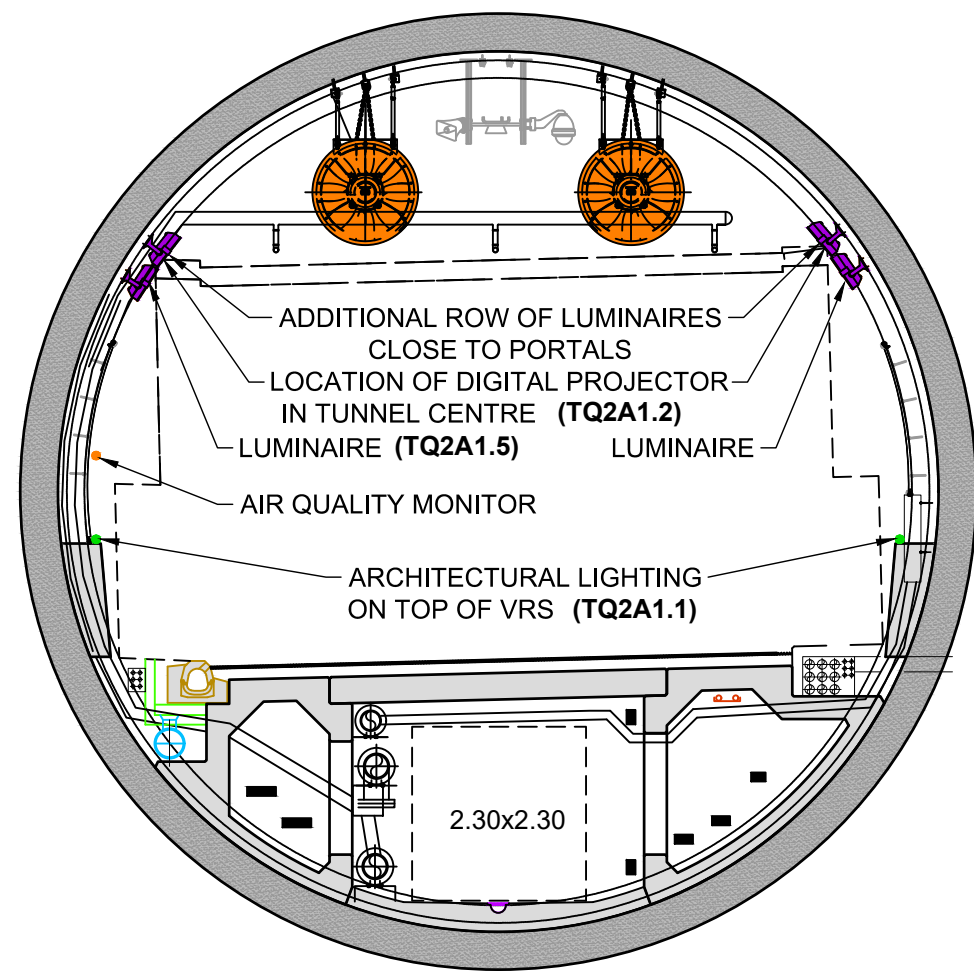
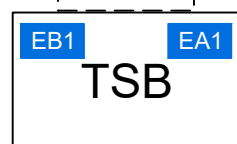
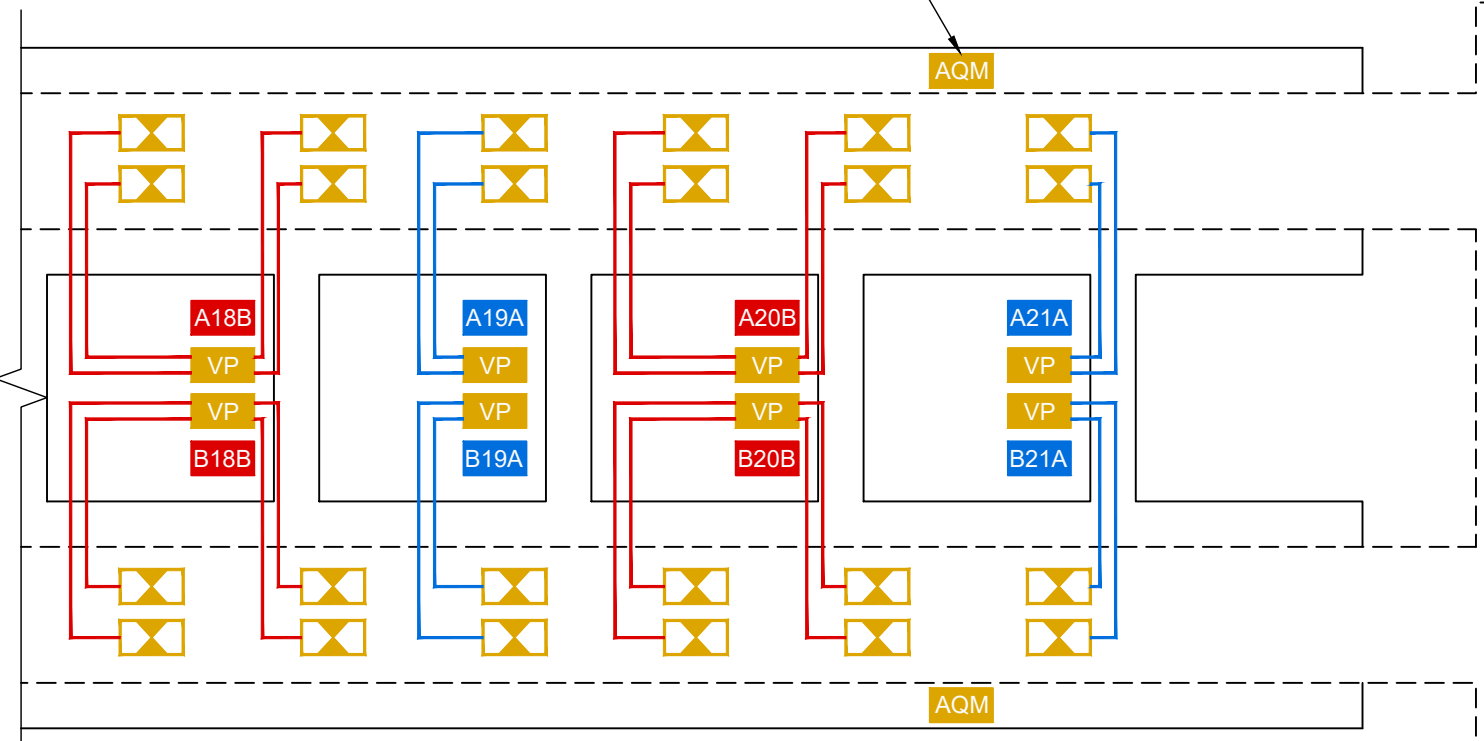


TYPICAL CROSS SECTION THROUGH  
THE CUT AND COVER  
SCALE 1:100

VENTILATION  
NTS

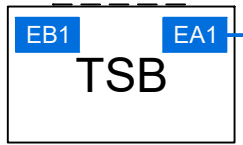
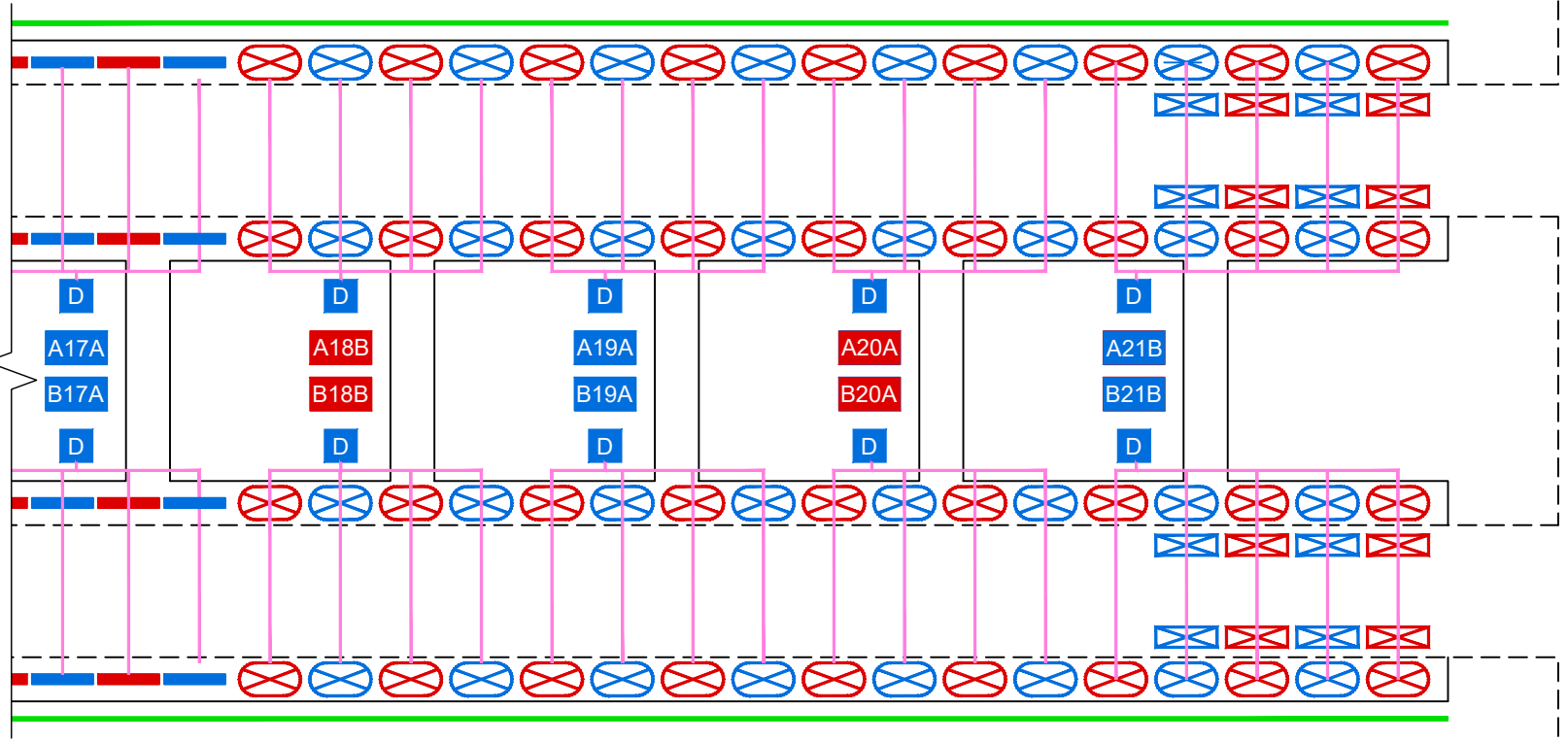
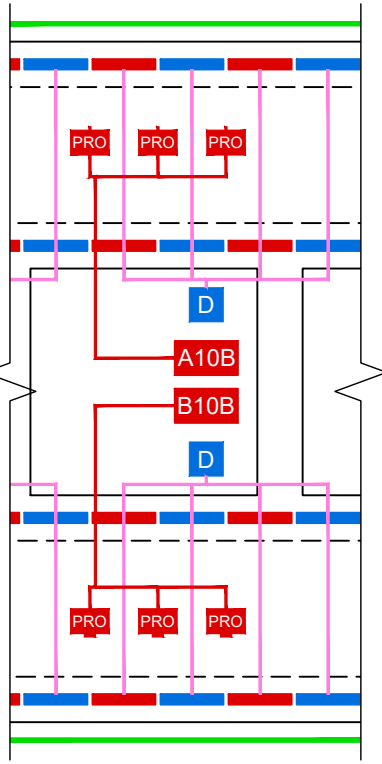
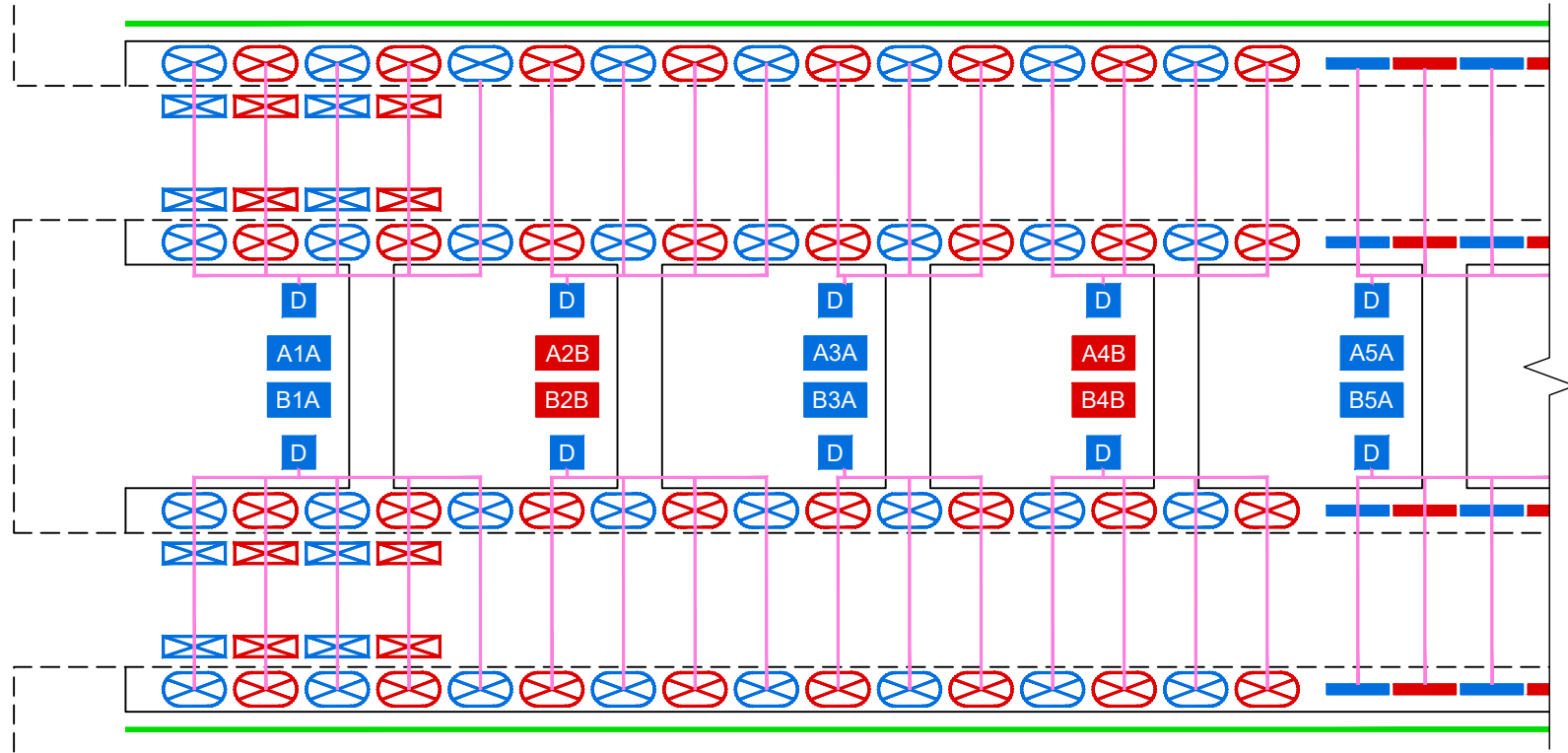
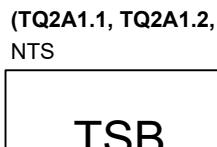


AIR QUALITY MONITORS, AQM  
IN CENTRE OF TUNNEL NOT  
SHOWN FOR CLARITY



EASTBOUND TUBE SECTION CROSS TUNNEL  
SCALE 1:100

LIGHTING  
NTS

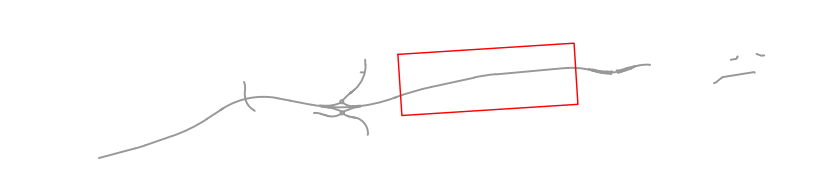


E/B AND W/B  
PORTAL  
PHOTOMETERS  
MOUNTED ON  
RETAINING WALL  
AT CH10260 WITH  
CCTV CAMERA

LEGEND

- HV RING MAIN UNIT
- LV RING MAIN UNIT
- HV TRANSFORMER
- LV TRANSFORMER
- HV UNINTERRUPTIBLE POWER SUPPLY UNIT WITH BYPASS. "LTG" = EMERGENCY LIGHTING SUPPLY, "COMMS" = MAINTAINED COMMUNICATIONS EQUIPMENT SUPPLY
- LV UNINTERRUPTIBLE POWER SUPPLY UNIT WITH BYPASS. "LTG" = EMERGENCY LIGHTING SUPPLY, "COMMS" = MAINTAINED COMMUNICATIONS EQUIPMENT SUPPLY
- HV DISTRIBUTION UNIT
- LV DISTRIBUTION UNIT
- VENTILATION PANEL
- AIR QUALITY MONITOR
- JET FAN
- COMBINED TRANSITION ZONE LUMINAIRE FED FROM THE A SUPPLY AND UPS
- COMBINED TRANSITION ZONE LUMINAIRE FED FROM THE B SUPPLY AND UPS
- THRESHOLD ZONE BOOST LUMINAIRE FED FROM THE A SUPPLY
- THRESHOLD ZONE BOOST LUMINAIRE FED FROM THE B SUPPLY
- COMBINED INTERIOR ZONE LUMINAIRE FED FROM THE A SUPPLY AND UPS
- COMBINED INTERIOR ZONE LUMINAIRE FED FROM THE B SUPPLY AND UPS
- DALI IP GATEWAY
- DALI CABLE
- ARCHITECTURAL LIGHTING
- PHOTOMETER
- DIGITAL PROJECTOR

KEYPLAN



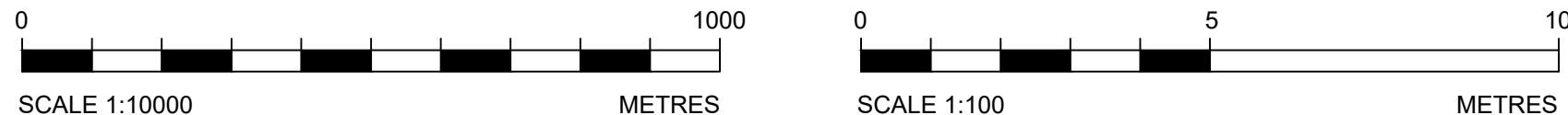
|     |           |                        |       |         |       |        |
|-----|-----------|------------------------|-------|---------|-------|--------|
| P03 | 08/04/21  | FOR QUALITY SUBMISSION | SY    | RC      | DS    | DS     |
| P04 | 16/04/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| P05 | 10/06/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| P06 | 18/06/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| P07 | 22/06/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| Rev | Rev. Date | Purpose of revision    | Drawn | Checked | Rev'd | Appr'd |



Client  
highways  
england  
Project  
A303  
Amesbury to Berwick Down

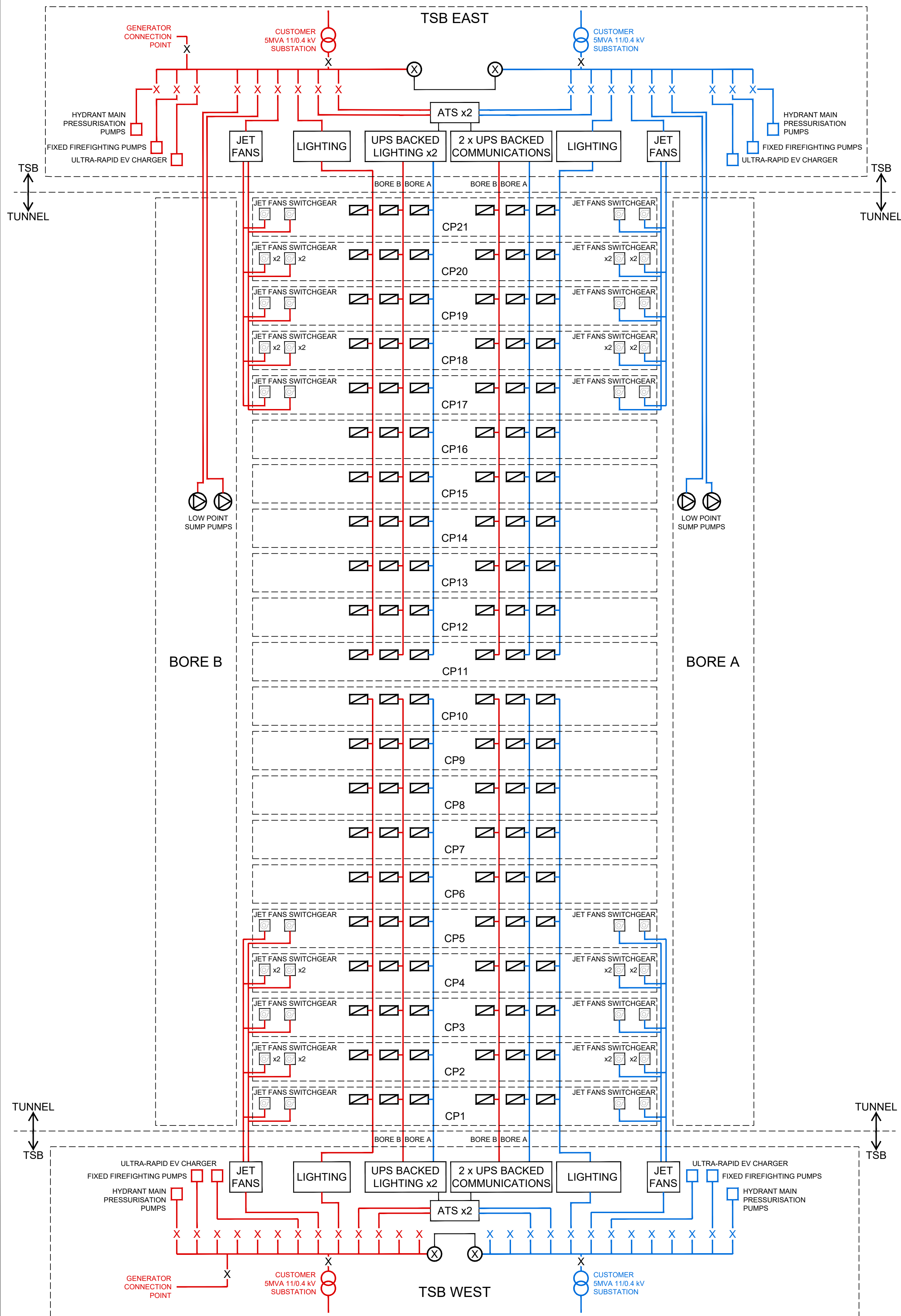
Drawing title  
TECHNOLOGY SCHEMATIC  
PUBLIC HEALTH AND TUNNEL  
VENTILATION AND ELECTRICAL

|                |                                   |
|----------------|-----------------------------------|
| Drawing status | S4 - SUITABLE FOR STAGED APPROVAL |
| State Code     | Preliminary                       |
| Project Stage  | PCF Stage 5                       |
| Scale          | AS SHOWN                          |
| Jacobs No.     | HE551506                          |
| Client no.     | HE551506                          |
| Drawing number | HE551506 - BGR - HOS - SWGN000Z   |
| Originator     | BGR                               |
| Volume         | -HOS-                             |
| Location       | SWGN000Z                          |
| Type           | -DR-                              |
| Role           | TE                                |
| Number         | 0104                              |

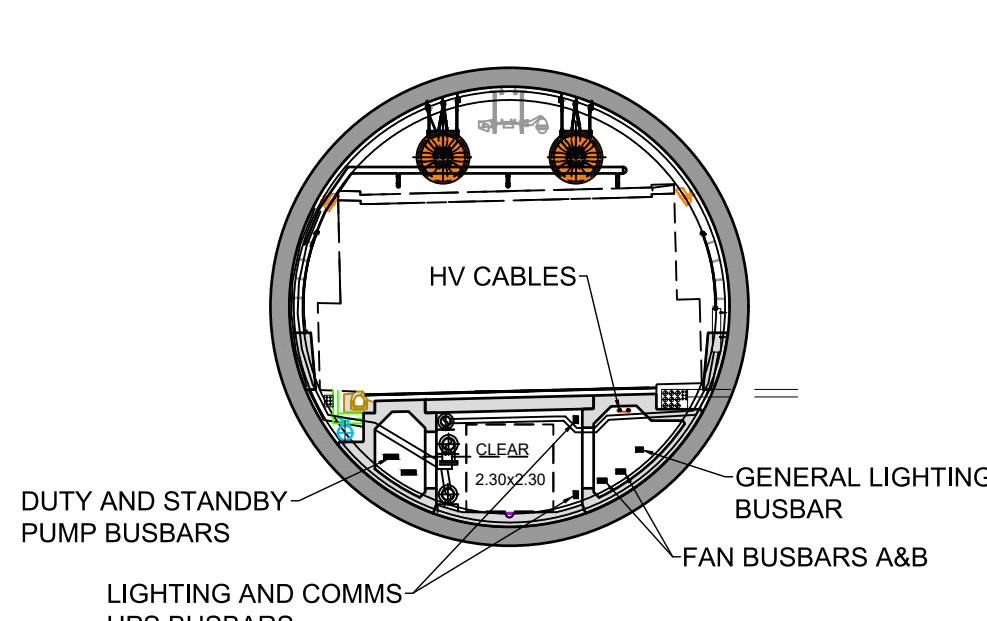
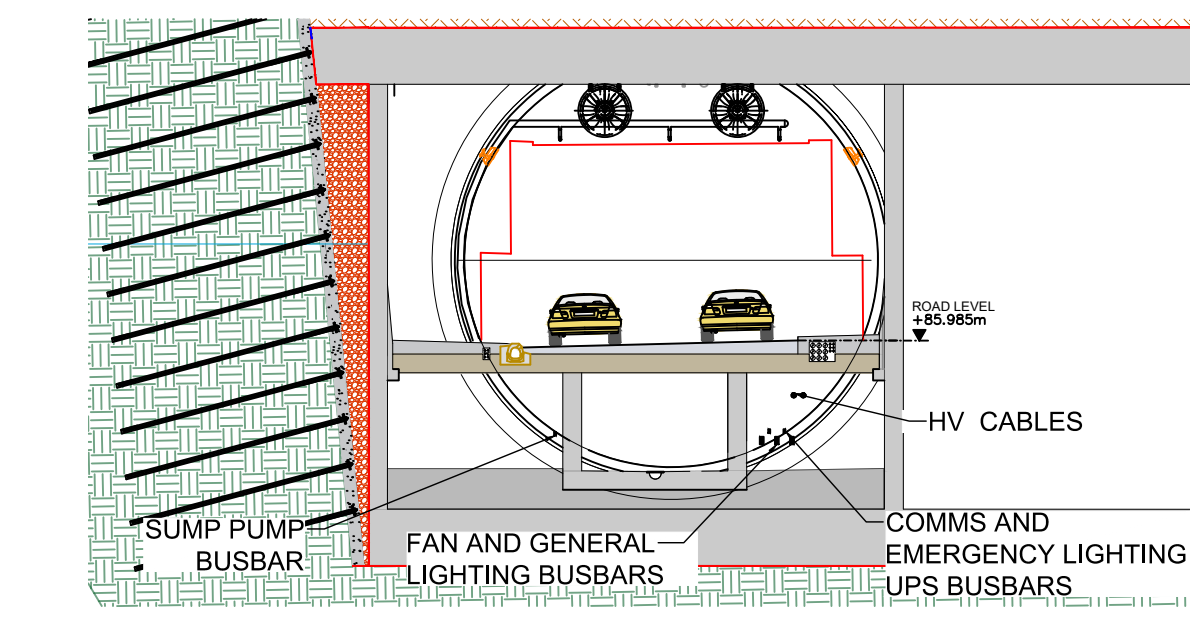
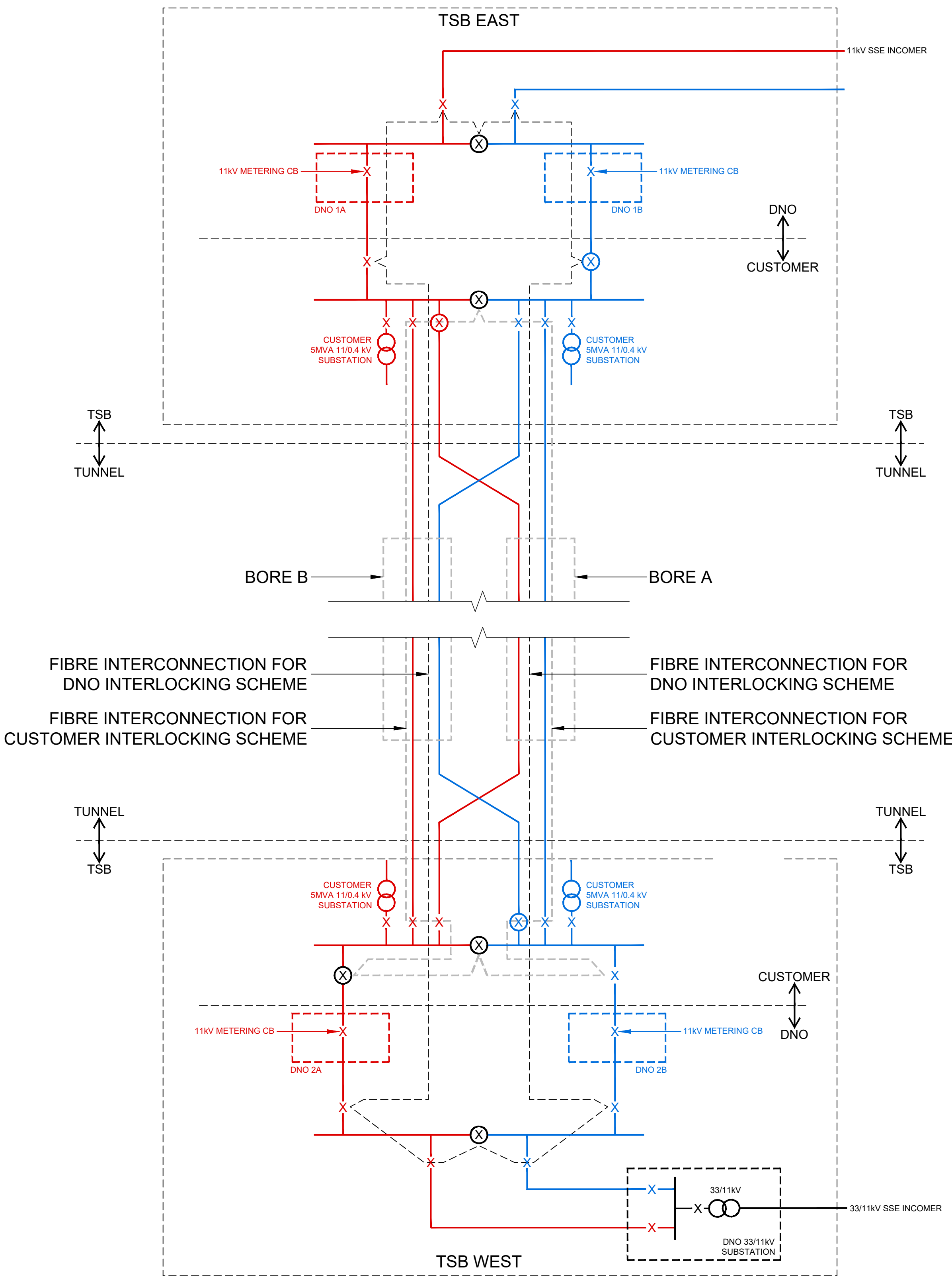




LV DISTRIBUTION



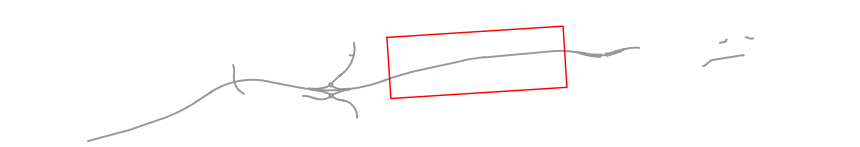
HV DISTRIBUTION



LEGEND

- BUSBAR TAPOFF POINT
- SUMP PUMP
- JET FAN
- NORMALLY OPEN SWITCH
- NORMALLY CLOSED SWITCH
- TRANSFORMER

KEYPLAN



| Rev | Rev. Date | Purpose of revision    | Drawn | Checked | Rev'd | Appr'd |
|-----|-----------|------------------------|-------|---------|-------|--------|
| P01 | 25/02/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| P02 | 08/04/21  | FOR QUALITY SUBMISSION | SY    | RC      | DS    | DS     |
| P03 | 10/06/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |
| P04 | 18/06/21  | FOR QUALITY SUBMISSION | SB    | RC      | DS    | DS     |



Client  
Project  
A303  
Amesbury to Berwick Down

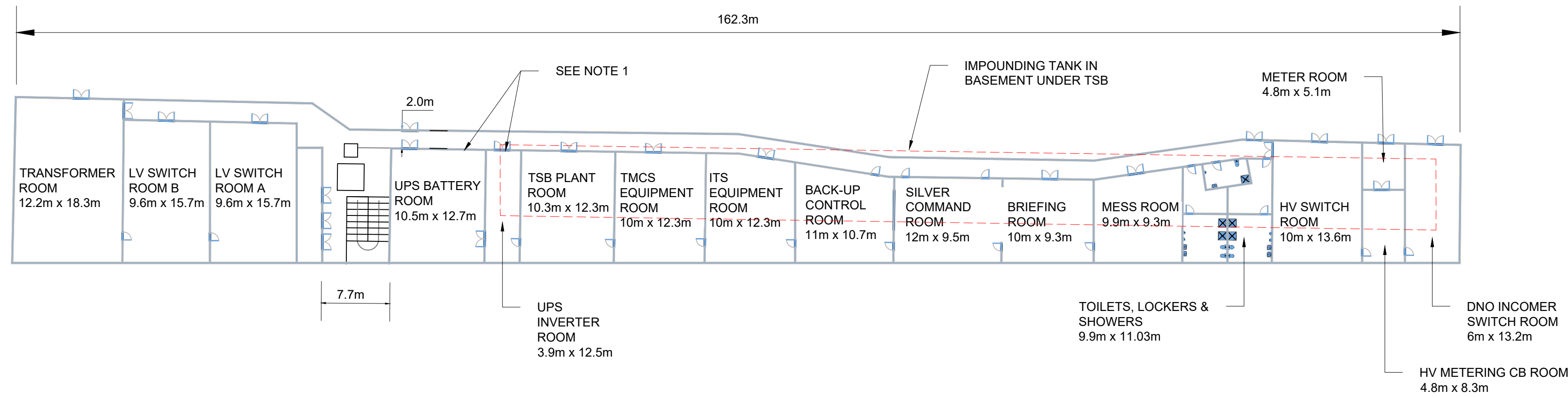
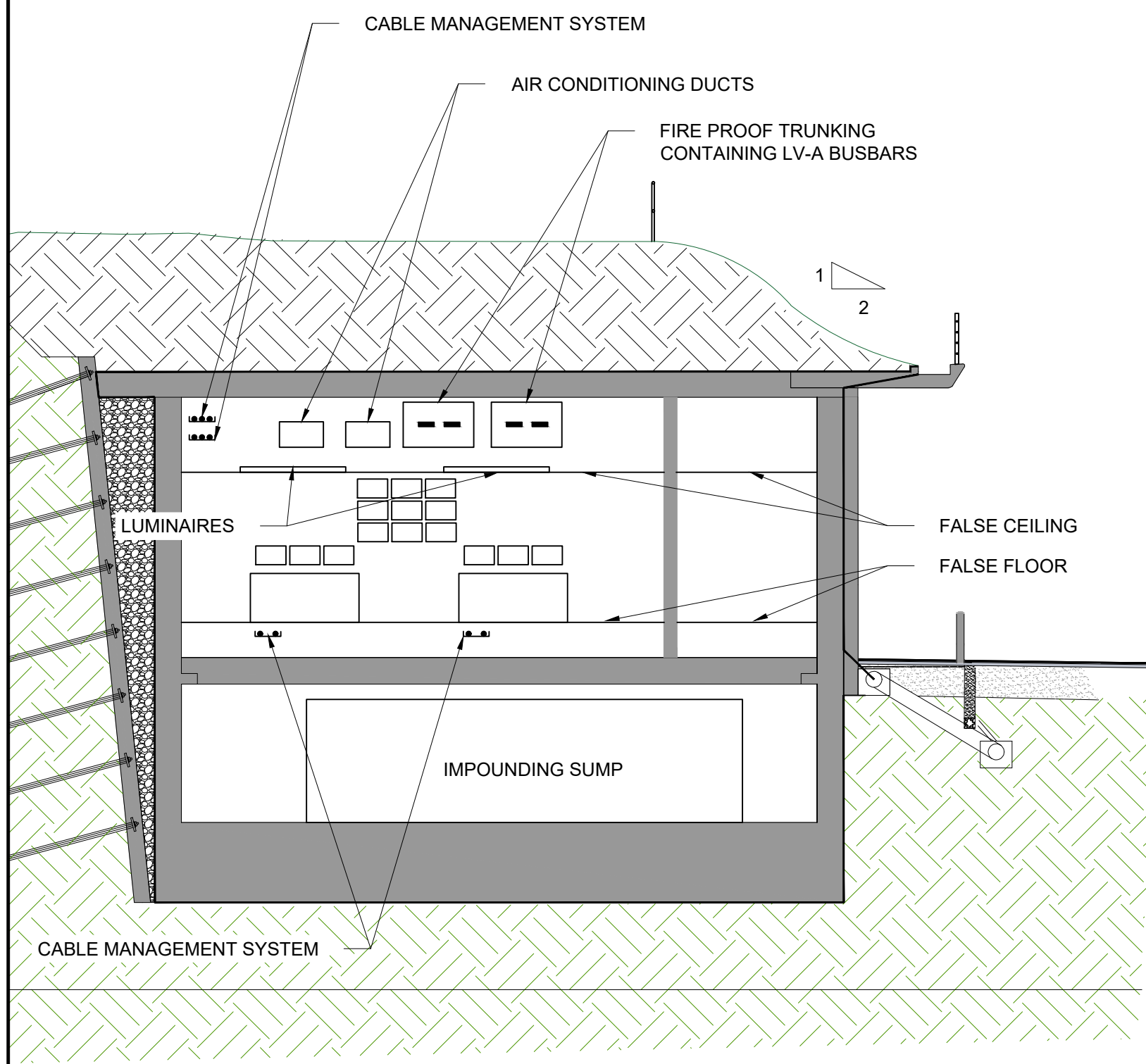
Drawing title  
**TECHNOLOGY SCHEMATIC  
ELECTRICAL HV &  
LV SCHEMATIC**

Drawing status  
**S4 - SUITABLE FOR STAGED APPROVAL**

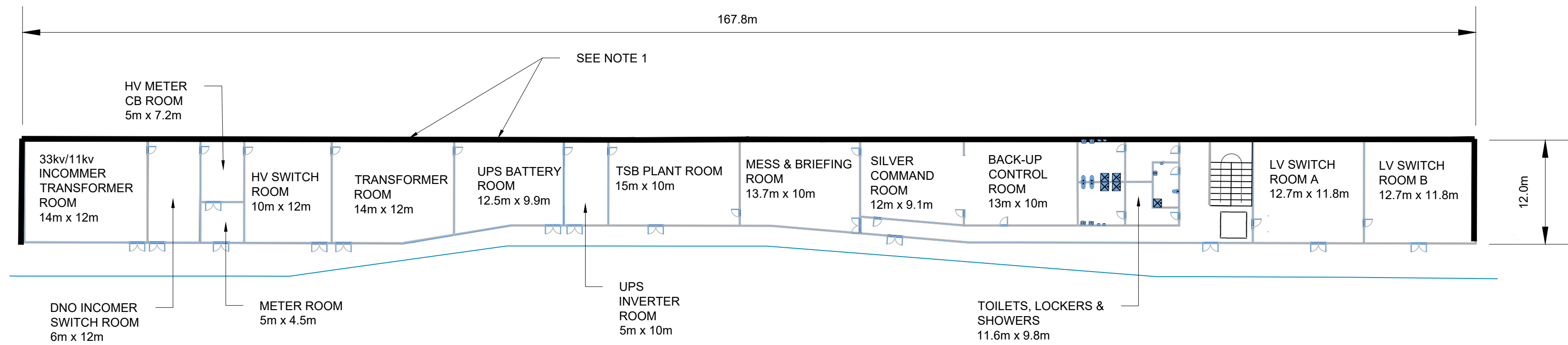
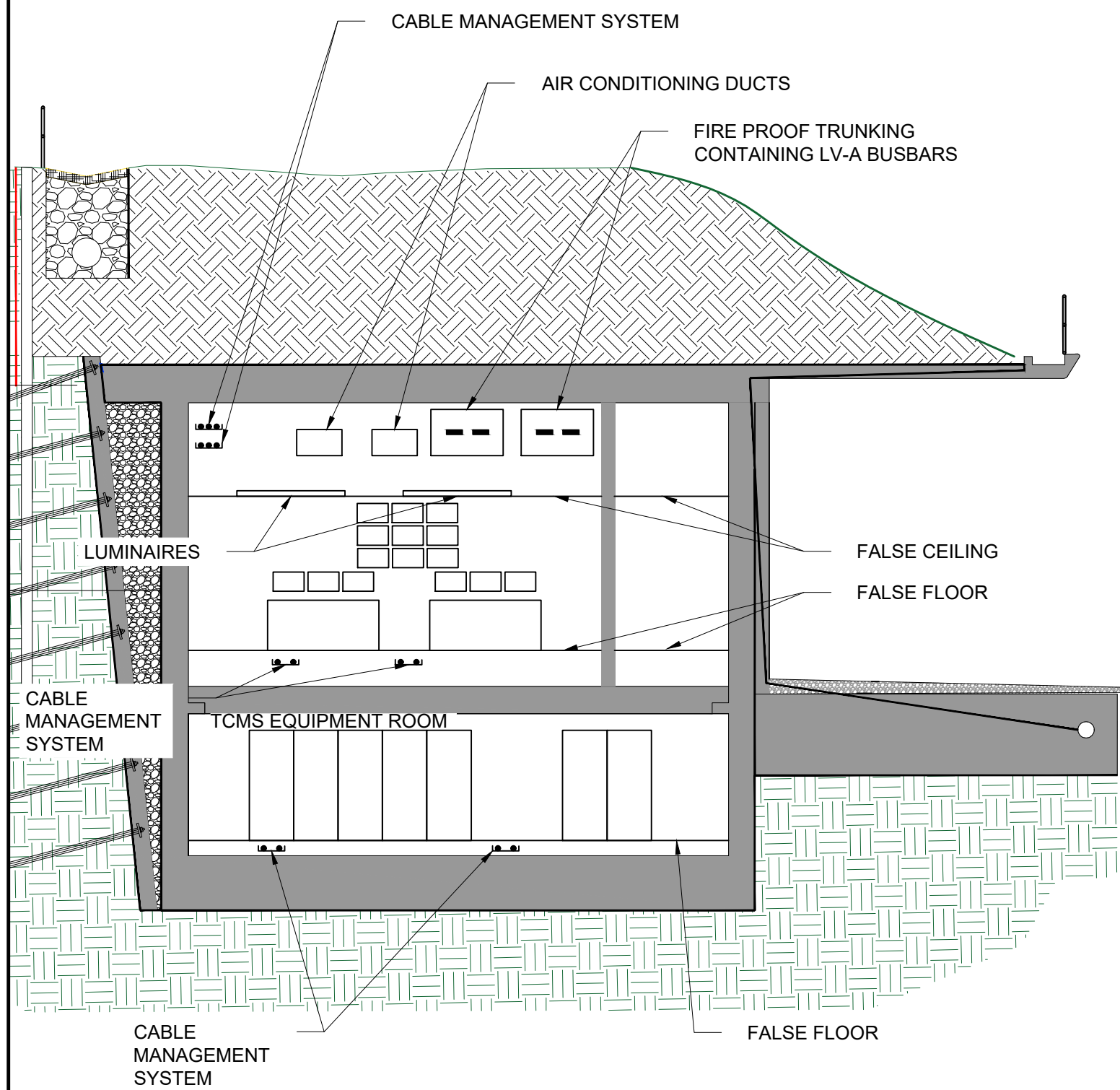
|               |             |              |
|---------------|-------------|--------------|
| State Code    | Preliminary | DO NOT SCALE |
| Project Stage | PCF Stage 5 |              |
| Scale         | NTS         |              |
| Jacobs No.    | HE551506    | Rev P04      |
| Client no.    | HE551506    |              |

Drawing number  
**HE551506 - BGR - HOS-**  
Location  
**SWGN000Z**  
Volume  
**-DR-TE-0105**

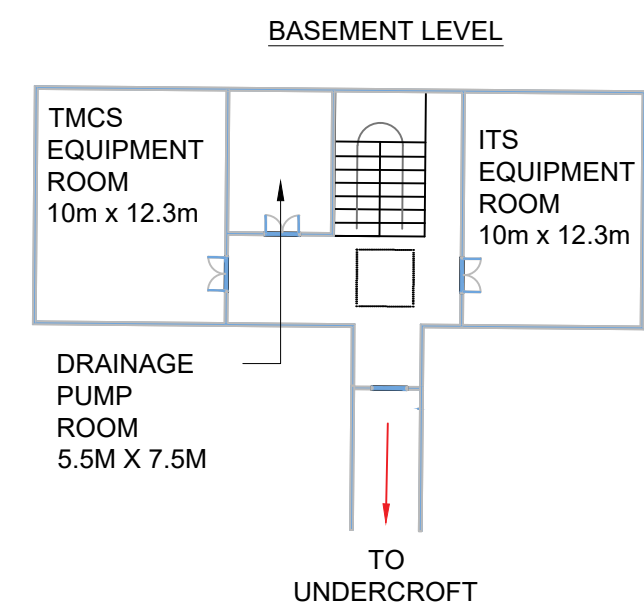




EAST TSB



WEST TSB



NOTES

1. UPS BATTERY ROOM AND UPS INVERTER ROOMS ARE SUBDIVIDED INTO TWO ROOMS USING AN APPROVED FIRE-PROOF WALLING SYSTEM.

|     |           |                        |       |         |       |         |  |
|-----|-----------|------------------------|-------|---------|-------|---------|--|
|     |           |                        |       |         |       |         |  |
|     |           |                        |       |         |       |         |  |
|     |           |                        |       |         |       |         |  |
| P01 | 08/04/21  | FOR QUALITY SUBMISSION | SY    | RC      | DS    | DS      |  |
| Rev | Rev. Date | Purpose of revision    | Drawn | Checked | Rev'd | Apprv'd |  |

|                |                                               |
|----------------|-----------------------------------------------|
|                |                                               |
| Client         | highways<br>england                           |
| Project        | A303<br>Amesbury to Berwick Down              |
| Drawing title  | TECHNOLOGY TUNNEL<br>BUILDINGS                |
| Drawing status | S4 - SUITABLE FOR STAGED APPROVAL             |
| State Code     | Preliminary                                   |
| Project Stage  | PCF Stage 5                                   |
| Scale          | NTS                                           |
| Jacobs No.     | HE551506                                      |
| Client no.     | HE551506                                      |
| Drawing number | HE551506 - BGR - HOS-<br>SWGN000Z -DR-TE-0106 |
| Originator     | BGR                                           |
| Volume         | HOS-                                          |
| Location       | SWGN000Z                                      |
| Type           | -DR-                                          |
| Role           | TE                                            |
| Number         | 0106                                          |