NOTES CONTINUES:

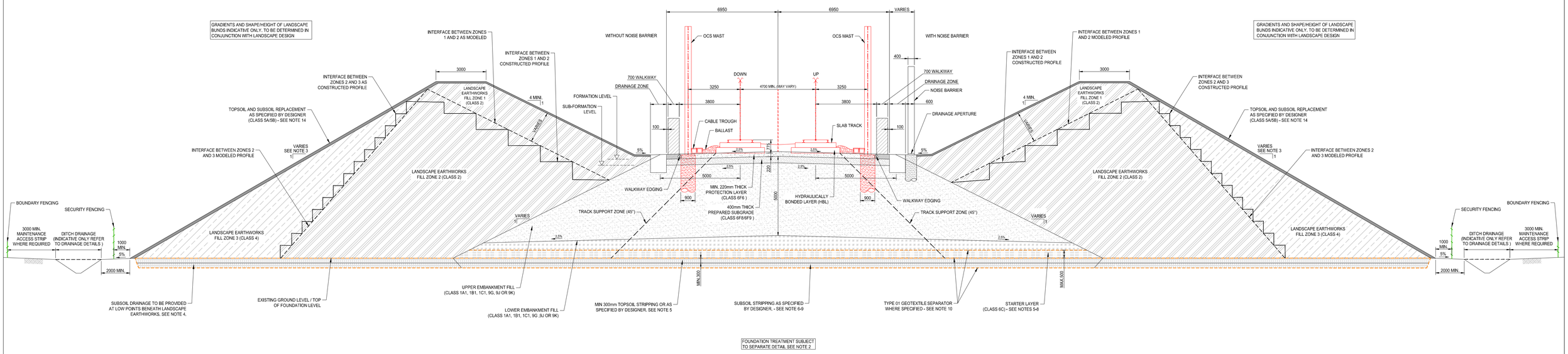
11. LANDSCAPE FILL ZONE 1 SHALL BE SPECIFIED TO ENSURE THE SLOPE STABILITY OF ALL EARTHWORKS THAT POSE A RISK TO THE HS2 MAINLINE, NON MAINLINE, OR THIRD PARTY ASSETS.
12. LANDSCAPE FILL ZONE 2 SHALL BE SPECIFIED BENEATH LANDSCAPE EARTHWORKS ZONE 2 TO LIMIT THE INTERNAL SETTLEMENT OF THE LANDSCAPE EARTHWORK AND PROVIDE A PLATFORM FOR CONSTRUCTION TO THE ZONE 1 OF THE LANDSCAPE EARTHWORK.
13. ALL MATERIALS SHALL BE COMPACTED TO ACHIEVE THE MODULUS OF DEFORMATION LIMITS AND COMPACTION CRITERIA SPECIFIED IN TABLE 4.2/2 OF TECHNICAL STANDARD - EARTHWORKS (HS2-HS2-GT-STD-000-000001). THICKNESS OF SUBSOIL STRIP AND REINSTATEMENT TO BE DETERMINED BY ENVIRONMENTAL TEAM.

CONSTRUCTION SEQUENCE NOTES:

A. WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE SEQUENCING SPECIFIED IN THE HS2 SPECIFICATION FOR CIVIL ENGINEERING WORKS SERIES 0600: EARTHWORKS (HS2-HS2-CV-SPE-000-010600).
B. LANDSCAPE EARTHWORKS TO BE CONSTRUCTED CONCURRENTLY WITH THE MAINLINE EMBANKMENT WHERE POSSIBLE. SPECIFIC SEQUENCING MAY BE AGREED WITH THE CONSTRUCTION TEAM ON A CASE BY CASE BASIS WITH ASSET SPECIFIC SEQUENCING DRAWINGS PRODUCED WHERE NECESSARY AND ACCOUNTED FOR IN THE DESIGN OF THE EARTHWORKS.
C. FOUNDATIONS FOR THE NOISE BARRIER TO BE CONSTRUCTED FROM SUB-FORMATION LEVEL.

LEGENDS:

	TOPSOIL		EARTHWORK
	STARTER LAYER		WALKWAY
	TOPSOIL STRIPPING OR SUBSOIL STRIPPING		FILTER MATERIAL
	UPPER EMBANKMENT FILL		LANDSCAPE EARTHWORKS FILL ZONE 1 AND ZONE 2 (CLASS 2)
	LOWER EMBANKMENT FILL		LANDSCAPE EARTHWORKS FILL ZONE 3 (CLASS 4)
	PROTECTION LAYER		GEOTEXTILE SEPARATOR
	PREPARED SUBGRADE		EXISTING GROUND LEVEL



TYPICAL HS2 MAINLINE EARTHWORKS SECTION
EMBANKMENT WITH LANDSCAPE EARTHWORKS (1)

SCALE 1:100

METRES @ 1:100 0 1 2 5 10

Rev	Description	Drawn	Checked	Approved	HS2 App
P01.1	First issue				

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Drawing produced in HS2 SnakeGrid (HS2P1+14) coordinate system

Scale with caution as distortion can occur.

Legends/Notes:

1. FUNCTIONAL CROSS SECTION BASED ON:1MC06-CEK-CV-DSE-C002-000012.
2. NO FOUNDATION TREATMENT SHOWN. REFER TO DRAWINGS 1MC06-CEK-GT-DSE-C002-000072, 1MC06-CEK-GT-DSE-C002-000073, 1MC06-CEK-GT-DSE-C002-000074, 1MC06-CEK-GT-DSE-C002-000075.
3. LANDSCAPE BUND GRADIENT AWAY FROM MAINLINE TO BE SPECIFIED BY LANDSCAPE DESIGN.
4. SUBSOIL DRAIN TO EXTEND FROM TOE OF TECHNICAL EMBANKMENT BELOW LANDSCAPE BUND ONLY AT LOW POINT(S) OF EMBANKMENT ON DOWN SLOPE SIDE OF ASSET.
5. A STARTER LAYER IS REQUIRED TO FORM A CAPILLARY BREAK WHERE GROUNDWATER IS ANTICIPATED TO BE PRESENT AT OR NEAR GROUND LEVEL (WET CONDITIONS) AND WHERE MATERIAL OTHER THAN CLASS 1A1, 6N, OR 6P HAS BEEN SPECIFIED FOR THE EMBANKMENT. THE THICKNESS OF THE STARTER LAYER SHOULD BE SPECIFIED TO PROVIDE A MINIMUM 300mm THICKNESS ABOVE GROUND LEVEL FOLLOWING COMPLETION OF THE CALCULATED TOTAL SETTLEMENT. A MAXIMUM 500mm THICKNESS OF THE STARTER LAYER IS PERMITTED IN ACCORDANCE WITH TABLE 4.2/2 OF TECHNICAL STANDARD - EARTHWORKS (HS2-HS2-GT-STD-000-000001).
6. A WORKING PLATFORM MAY BE REQUIRED BY THE CONSTRUCTION TEAM WHICH CAN BE USED AS THE STARTER LAYER IN THE PERMANENT WORKS SUBJECT TO MEETING THE ACCEPTABILITY CRITERIA SET OUT IN THE SPECIFICATIONS.
7. A STARTER LAYER SHALL NOT BE USED WITHIN 2m OF THE FORMATION LEVEL AS SPECIFIED IN IN THE HS2 SPECIFICATION FOR CIVIL ENGINEERING WORKS SERIES 0600: EARTHWORKS (HS2-HS2-CV-SPE-000-010600), CLAUSE 608.2.
8. IN ACCORDANCE WITH TABLE 4.2/2 OF TECHNICAL STANDARD - EARTHWORKS (HS2-HS2-GT-STD-000-000001), A STARTER LAYER MAY BE OMITTED IF BOTH DRAINAGE AND WORKING PLATFORM FUNCTIONS ARE PERFORMED BY OTHER LAYERS OF THE EARTH STRUCTURE.
9. THE TOPSOIL AND SUBSOIL STRIP SHALL BE BACKFILLED USING CLASS 1 OR CLASS 6 WHERE GROUNDWATER IS ANTICIPATED TO BE PRESENT AT OR NEAR GROUND LEVEL (WET CONDITIONS) OR CLASS 1, 2, 3, 6 OR 9 IN DRY CONDITIONS. CLASS 1A1, OR CLASS 6 SHALL BE USED WHERE THE MINIMUM PERFORMANCE REQUIREMENTS SET OUT IN TABLE 4.2/1 OF THE TECHNICAL STANDARD - EARTHWORKS (HS2-HS2-GT-STD-000-000001) GOVERN THE FILL MATERIAL SPECIFICATION.
10. POSSIBLE LOCATIONS OF GEOTEXTILE SEPARATORS HAVE BEEN SHOWN FOR INFORMATION. THE DESIGNER SHALL SPECIFY A GEOTEXTILE SEPARATOR WHERE A GRANULAR MATERIAL IS IN CONTACT WITH A COHESIVE MATERIAL. IT IS EXPECTED THAT A SEPARATOR GEOTEXTILE WILL GENERALLY BE SPECIFIED AT THE INTERFACE BETWEEN THE FOUNDATION AND EMBANKMENT.

HS2

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Discipline/Function	Geotechnical
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Checked	
Approved	
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Size	A1
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