

KEADBY 3 CARBON CAPTURE POWER STATION

A collaboration between **SSE Thermal** and **Equinor**

Document Ref: 4.19

Planning Inspectorate Ref: EN010114

The Keadby 3 (Carbon Capture Equipped Gas Fired Generating Station) Order

Land at and in the vicinity of the Keadby Power Station site, Trentside, Keadby, North Lincolnshire

Haul Road Plans

The Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 - Regulation 5(2)(o)

Applicant: Keadby Generation Limited

Date: May 2022

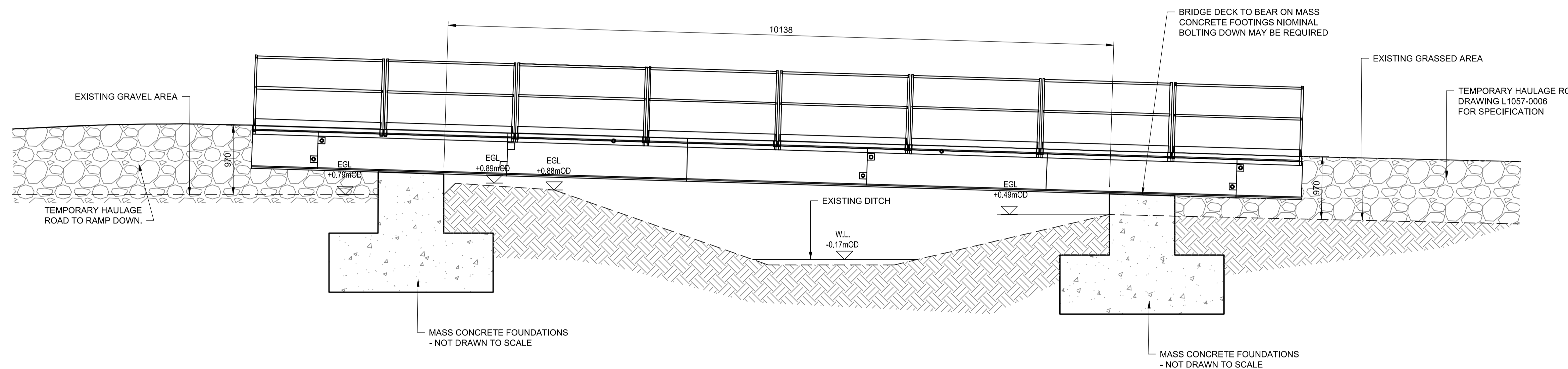
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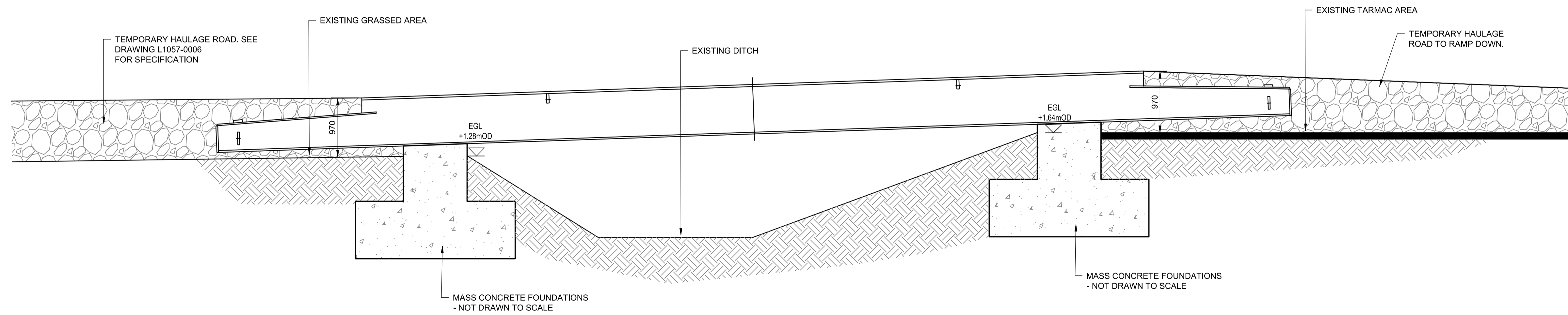
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2 SECTION - WESTERN DITCH
1:50



3 SECTION - EASTERN DITCH
1:50

Project Management Initials: _____ Designer: _____ Checked: _____ Approved: _____

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GENERAL NOTES

Navigation Light (fixed green)

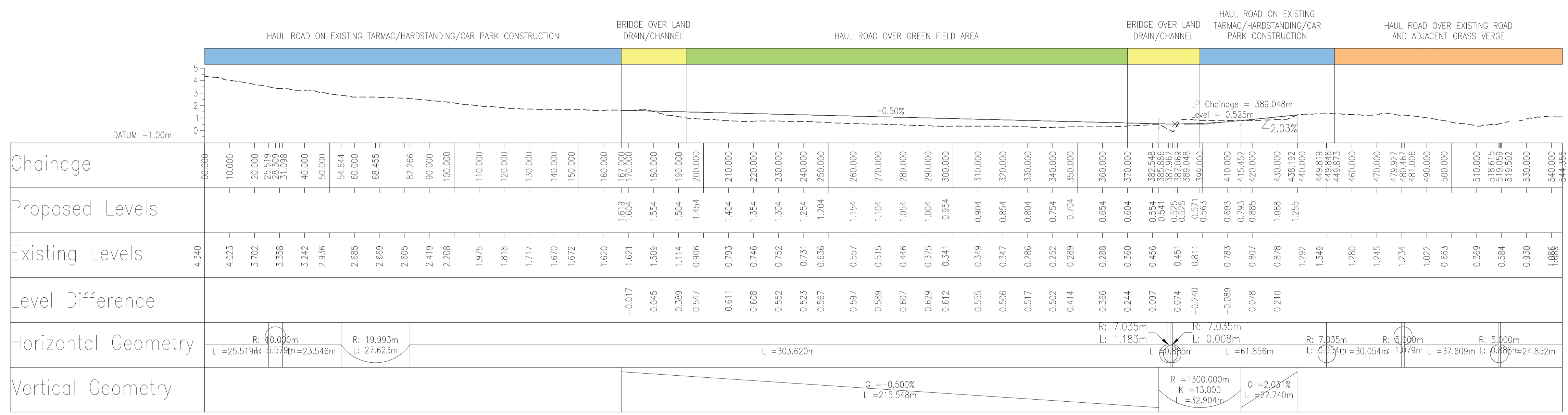
Jetties

Landing Stages

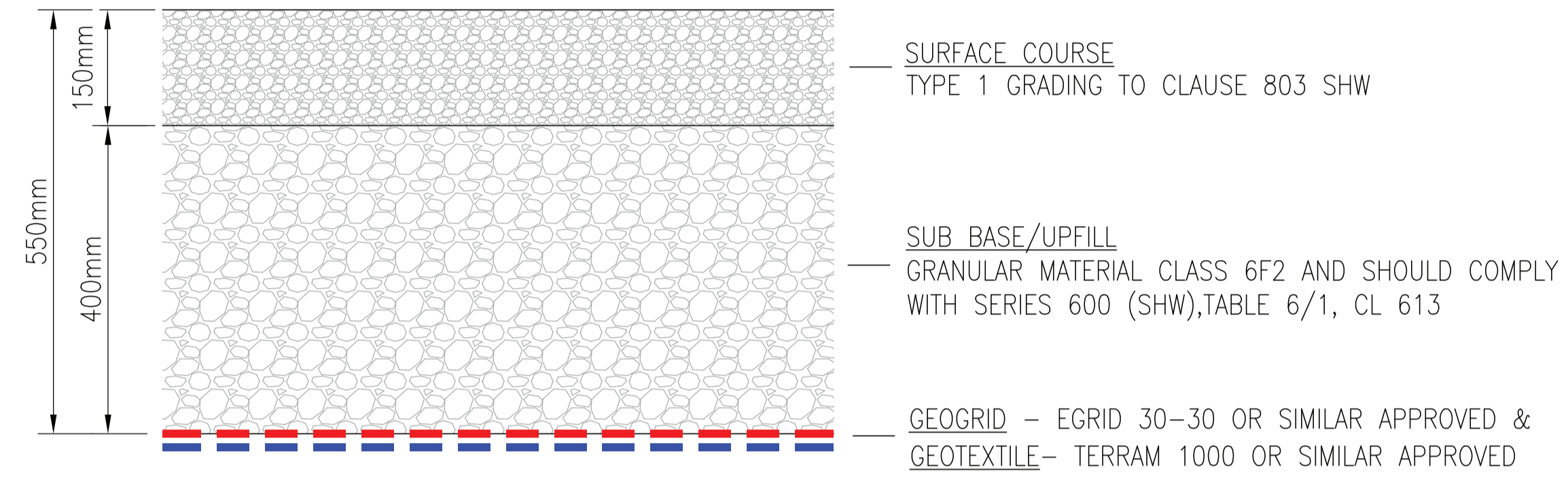
Navigation Light (fixed green)

MHW

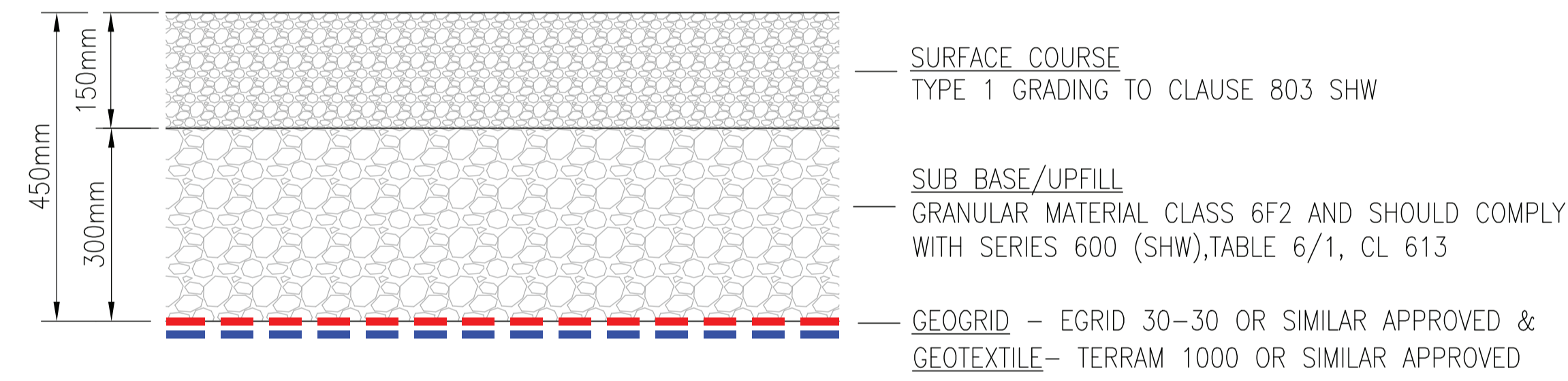
Sloping masonry



Chainage	0+000	10.000	20.000	25.519	26.309	31.098	40.000	50.000	54.644	60.000	68.455	82.266	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	167.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	382.548	387.069	387.069	389.048	399.000	410.000	415.452	420.000	430.000	435.192	440.000	449.819	449.819	449.873	460.000	470.000	479.897	480.667	481.006	490.000	500.000	510.000	516.615	519.502	530.000	540.000	544.355																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Proposed Levels																					1.619	1.604	1.554	1.504	1.454	1.404	1.354	1.304	1.254	1.204	1.154	1.104	1.054	1.004	0.954	0.904	0.854	0.804	0.754	0.704	0.654	0.604	0.554	0.541	0.525	0.525	0.527	0.527	0.693	0.793	0.885	0.978	1.068	1.155	1.245	1.334	1.424	1.514	1.604	1.694	1.784	1.874	1.964	2.054	2.144	2.234	2.324	2.414	2.504	2.594	2.684	2.774	2.864	2.954	3.044	3.134	3.224	3.314	3.404	3.494	3.584	3.674	3.764	3.854	3.944	4.034	4.124	4.214	4.304	4.394	4.484	4.574	4.664	4.754	4.844	4.934	5.024	5.114	5.204	5.294	5.384	5.474	5.564	5.654	5.744	5.834	5.924	6.014	6.104	6.194	6.284	6.374	6.464	6.554	6.644	6.734	6.824	6.914	7.004	7.094	7.184	7.274	7.364	7.454	7.544	7.634	7.724	7.814	7.904	7.994	8.084	8.174	8.264	8.354	8.444	8.534	8.624	8.714	8.804	8.894	8.984	9.074	9.164	9.254	9.344	9.434	9.524	9.614	9.704	9.794	9.884	9.974	10.064	10.154	10.244	10.334	10.424	10.514	10.604	10.694	10.784	10.874	10.964	11.054	11.144	11.234	11.324	11.414	11.504	11.594	11.684	11.774	11.864	11.954	12.044	12.134	12.224	12.314	12.404	12.494	12.584	12.674	12.764	12.854	12.944	13.034	13.124	13.214	13.304	13.394	13.484	13.574	13.664	13.754	13.844	13.934	14.024	14.114	14.204	14.294	14.384	14.474	14.564	14.654	14.744	14.834	14.924	15.014	15.104	15.194	15.284	15.374	15.464	15.554	15.644	15.734	15.824	15.914	16.004	16.094	16.184	16.274	16.364	16.454	16.544	16.634	16.724	16.814	16.904	16.994	17.084	17.174	17.264	17.354	17.444	17.534	17.624	17.714	17.804	17.894	17.984	18.074	18.164	18.254	18.344	18.434	18.524	18.614	18.704	18.794	18.884	18.974	19.064	19.154	19.244	19.334	19.424	19.514	19.604	19.694	19.784	19.874	19.964	20.054	20.144	20.234	20.324	20.414	20.504	20.594	20.684	20.774	20.864	20.954	21.044	21.134	21.224	21.314	21.404	21.494	21.584	21.674	21.764	21.854	21.944	22.034	22.124	22.214	22.304	22.394	22.484	22.574	22.664	22.754	22.844	22.934	23.024	23.114	23.204	23.294	23.384	23.474	23.564	23.654	23.744	23.834	23.924	24.014	24.104	24.194	24.284	24.374	24.464	24.554	24.644	24.734	24.824	24.914	25.004	25.094	25.184	25.274	25.364	25.454	25.544	25.634	25.724	25.814	25.904	25.994	26.084	26.174	26.264	26.354	26.444	26.534	26.624	26.714	26.804	26.894	26.984	27.074	27.164	27.254	27.344	27.434	27.524	27.614	27.704	27.794	27.884	27.974	28.064	28.154	28.244	28.334	28.424	28.514	28.604	28.694	28.784	28.874	28.964	29.054	29.144	29.234	29.324	29.414	29.504	29.594	29.684	29.774	29.864	29.954	30.044	30.134	30.224	30.314	30.404	30.494	30.584	30.674	30.764	30.854	30.944	31.034	31.124	31.214	31.304	31.394	31.484	31.574	31.664	31.754	31.844	31.934	32.024	32.114	32.204	32.294	32.384	32.474	32.564	32.654	32.744	32.834	32.924	33.014	33.104	33.194	33.284	33.374	33.464	33.554	33.644	33.734	33.824	33.914	34.004	34.094	34.184	34.274	34.364	34.454	34.544	34.634	34.724	34.814	34.904	34.994	35.084	35.174	35.264	35.354	35.444	35.534	35.624	35.714	35.804	35.894	35.984	36.074	36.164	36.254	36.344	36.434	36.524	36.614	36.704	36.794	36.884	36.974	37.064	37.154	37.244	37.334	37.424	37.514	37.604	37.694	37.784	37.874	37.964	38.054	38.144	38.234	38.324	38.414	38.504	38.594	38.684	38.774	38.864	38.954	39.044	39.134	39.224	39.314	39.404	39.494	39.584	39.674	39.764	39.854	39.944	40.034	40.124	40.214	40.304	40.394	40.484	40.574	40.664	40.754	40.844	40.934	41.024	41.114	41.204	41.294	41.384	41.474	41.564	41.654	41.744	41.834	41.924	42.014	42.104	42.194	42.284	42.374	42.464	42.554	42.644	42.734	42.824	42.914	43.004	43.094	43.184	43.274	43.364	43.454	43.544	43.634	43.724	43.814	43.904	43.994	44.084	44.174	44.264	44.354	44.444	44.534	44.624	44.714	44.804	44.894	44.984	45.074	45.164	45.254	45.344	45.434	45.524	45.614	45.704	45.794	45.884	45.974	46.064	46.154	46.244	46.334	46.424	46.514	46.604	46.694	46.784	46.874	46.964	47.054	47.144	47.234	47.324	47.414	47.504	47.594	47.684	47.774	47.864	47.954	48.044	48.134	48.224	48.314	48.404	48.494	48.584	48.674	48.764	48.854	48.944	49.034	49.124	49.214	49.304	49.394	49.484	49.574	49.664	49.754	49.844	49.934	50.024	50.114	50.204	50.294	50.384	50.474	50.564	50.654	50.744	50.834	50.924	51.014	51.104	51.194	51.284	51.374	51.464	51.554	51.644	51.734	51.824	51.914	52.004	52.094	52.184	52.274	52.364	52.454	52.544	52.634	52.724	52.814	52.904	52.994	53.084	53.174	53.264	53.354	53.444	53.534	53.624	53.714	53.804	53.894	53.984	54.074	54.164	54.254	54.344	54.434	54.524	54.614	54.704	54.794	54.884	54.974	55.064	55.154	55.244	55.334	55.424	55.514	55.604	55.694	55.784	55.874	55.964	56.054	56.144	56.234	56.324	56.414	56.504	56.594	56.684	56.774	56.864	56.954	57.044	57.134	57.224	57.314	57.404	57.494	57.584	57.674	57.764	57.854	57.944	58.034	58.124	58.214	58.304	58.394	58.484	58.574	58.664	58.754	58.844	58.934	59.024	59.114	59.204	59.294	59.384	59.474	59.564	59.654	59.744	59.834	59.924	60.014	60.104	60.194	60.284	60.374	60.464	60.554	60.644	60.734	60.824	60.914	61.004	61.094	61.184	61.274	61.364	61.454	61.544	61.634	61.724	61.814	61.904	61.994	62.084	62.174	62.264	62.354	62.444	62.534	62.624	62.714	62.804	62.894	62.984	63.074	63.164	63.254	63.344	63.434	63.524	63.614	63.704	63.794	63.884	63.974	64.064	64.154	64.244	64.334	64.424	64.514	64.604	64.694	64.784	64.874	64.964	65.054	65.144	65.234	65.324	65.414	65.504	65.594	65.684	65.774	65.864	65.954	66.044	66.134	66.224	66.314	66.404	66.494	66.584	66.674	66.764	66.854	66.944	67.034	67.124	67.214	67.304	67.394	67.484	67.574	67.664	67.754	67.844	67.934	68.024	68.114	68.204	68.294	68.384	68.474	68.564	68.654	68.744	68.834	68.924	69.014	69.104	69.194	69.284	69.374	69.464	69.554	69.644	69.734	69.824	69.914	70.004	70.094	70.184	70.274	70.364	70.454	70.544	70.634	70.724	70.814	70.904	70.994	71.084	71.174	71.264	71.354	71.444	71.534	71.624	71.714	71.804	71.894	71.984	72.074	72.164	72.254	72.344	72.434	72.524	72.614	72.704	72.794	72.884	72.974	73.064	73.154	73.244	73.334	73.424	73.514	73.604	73.694	73.784	73.874	73.964	74.054	74.144	74.234	74.324	74.414	74.504	74.594	74.684	74.774	74.864	74.954	75.044	75.134	75.224	75.314	75.404	75.494	75.584	75.674	75.764	75.854	75.944	76.034	76.124	76.214	76.304	76.394	76.484	76.574	76.664	76.754	76.844	76.934	77.024	77.114	77.204	77.294	77.384	77.474	77.564	77.654	77.744	77.834	77.924	78.014	78.104	78.194	78.284	78.374	78.464	78.554	78.644	78.734	78.824	78.914	79.004	79.094	79.184	79.274	79.364	79.454	79.544	79.634	79.724	79



DETAIL 'A'
TRACK CONSTRUCTION – EXCAVATED
ASSUMED FORMATION CBR < 2.5%
(NTS)



DETAIL 'B'
TRACK CONSTRUCTION – EXCAVATED
ASSUMED FORMATION CBR OF 2.5-5%
(NTS)

NOTE: CBR VALUE OF FORMATION LAYER TO BE ASSESSED ON SITE PRIOR TO TRACK CONSTRUCTION. TESTS TO BE CARRIED OUT ON FORMATION AT ENGINEERS DISCRETION OR CHANGES IN SUBSOIL.

IF CBR <2.5% PLEASE CONSULT WITH ENGINEER.

MATERIAL TO BE PLACED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATION FOR HIGHWAY WORKS SERIES 600 TABLE 6/1.

02	17.09.19	EXCHANGE OF TITLE	CP	MB	MB
01	26.08.19	ROAD BUILD UP UPDATED TO UNBOUND	AC	GMC	DG
00	09.08.19	PRELIMINARY ISSUE	AC	GMC	DG
Rev	Date	Description	By	Chk	App

CLIENT

PROJECT
KEADBY ENABLING WORKS

DRAWING TITLE
PROPOSED ROAD DETAILS

STATUS
PRELIMINARY

Date: 09.08.19	Scale: AS SHOWN	Drawn: AC	Chk: GMC	App: DG
Project No: N1041	Dwg. No: 0011	Rev: 02		



GENERAL NOTES

Rev	Date	Description	By	Chk	App
01	10.08.19	FOR INFORMATION	AC	GMC	DG
00	06.09.19	PRELIMINARY ISSUE	AC	GMC	DG

CLIENT

PROJECT
KEADBY ENABLING WORKS

DRAWING TITLE
TEMPORARY HAUL ROAD
RED LINE BOUNDARY PLAN

STATUS
PRELIMINARY

Date: 09.08.19	Scale: 1:750	Drawn: AC	Chk: GMC	App: DG
Project No: N1041	Drwg. No: 0013			Rev: 01

Date: 3 February 2020
Our Ref: 15369

Andrew Law
North Lincolnshire Council
Civic Centre
Ashby Road
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DN16 1AB



6 New Bridge Street
London EC4V 6AB
T: 020 7489 0213
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Dear Mr Law,

THE TOWN AND COUNTRY PLANNING ACT 1990 (AS AMENDED)

SECTION 73 - MINOR MATERIAL AMENDMENT – VARIATION OF CONDITIONS 7 AND 8 OF PLANNING PERMISSION REF. PA/2019/1595 – DECOMMISSIONING AND RESTORATION OF HAUL ROAD

I write on behalf of Keadby Developments Limited ('KDL'), a subsidiary of SSE plc ('the Applicant'), to submit a planning application (the 'Application') under Section 73 of the Town and Country Planning Act 1990 (as amended) for a minor material amendment ('MMA') to Planning Permission Ref. PA/2019/1595 (the 'Planning Permission') dated 15 November 2020.

The Planning Permission allowed for the construction of a temporary haul road to accommodate Abnormal Indivisible Loads ('AILs'), including two ditch crossings (the 'Temporary Haul Road') on land east of the existing Keadby Power Station (Keadby 1), Keadby, DN17 3EF (the 'Site') in connection with the construction of the Keadby 2 Power Station Project ('Keadby 2'). The Application seeks to vary Conditions 7 and 8 of the Planning Permission, which relate to the removal of the Temporary Haul Road and restoration of the Site.

The Application comprises:

- *Application Forms and Certificates;*
- *Cover Letter (this document);*
- *Site Location Plan; and*
- *Planning Permission Ref. PA/2019/1595 (dated 15 November 2020).*

Background to the Application

The Temporary Haul Road was required to facilitate the delivery of circa 80 Abnormal Indivisible Loads ('AILs') to the Keadby 2 construction site from the nearby Railway Wharf on the River Trent. The use of the Railway Wharf and provision of the Temporary Haul Road has significantly reduced the impact of the Keadby 2 construction work on to the local road network, removing the need for AILs to be transported by road from the nearest port (i.e. Immingham), which would have caused disruption to other road users. National planning policy also supports the use of waterborne transport as a means of reducing road traffic and emissions.

KDL is now advancing proposals for a further Combined Cycle Gas Turbine ('CCGT') power station on land to the north-west of Keadby 1. The proposals are known as the 'Keadby 3 Low Carbon Gas Power Station'. Carbon dioxide from the CCGT Power Station will be captured and then transported via a

DWD Regulated by
RICS



pipeline, forming part of the Zero Carbon Humber Project, for secure storage beneath the North Sea. An application for development consent is to be submitted to the Planning Inspectorate in late Quarter 1/early Quarter 2 2021 and it is envisaged that consent would be granted some time in Quarter 3 2022. It is proposed that during the Keadby 3 construction works, which could commence in late 2022/early 2023, use is once again made of the Temporary Haul Road to facilitate the movement of AILs from the Railway Wharf to the construction site. KDL is therefore applying to vary Conditions 7 and 8 of the Planning Permission so as to allow for the Temporary Haul Road to be retained for a longer period in order that it can be used during the construction of Keadby 3.

The Site and Existing Temporary Haul Road

The Site boundary for the Temporary Haul Road Planning Permission is shown edged red in **Figure 1** below. The first section of the route from the Railway Wharf passes through a PD Ports Storage Yard to the west of the B1392. No works were required in this area, which comprises existing hardstanding. The remainder of the route passes through a field that is within the control of the Applicant and it is within this area (shaded yellow in Figure 1) that the Temporary Haul Road was constructed.

Figure 1: Temporary Haul Road Planning Permission Redline Boundary



The Temporary Road comprises of compacted granular stone laid on top of a geotextile permeable membrane. The Temporary Haul Road passes over drainage ditches on the eastern and western boundaries of the field on steel bridges held in place by concrete support foundations, fitted into the ditch banks. The granular stone, membrane and ditch crossings would be removed when no longer required and the field restored in accordance with details approved by the Local Planning Authority ('LPA').

The Variation of Conditions 7 and 8

As confirmed above, it is proposed that the Temporary Haul Road is retained so that it can be used during the during the Keadby 3 construction works, which could commence in late 2022/early 2023. The Temporary Haul Road would be removed at the end of the construction period, which would be of similar duration to that for Keadby 2, and the Site restored in accordance with details approved by the LPA. Condition 7 of the Planning Permission requires the Temporary Haul Road to be removed and the Site restored in accordance with an approved scheme (secured by Condition 8) within three months of the completion of Keadby 2. It is currently envisaged that construction work on Keadby 2 will be completed in mid-2021, meaning that the Temporary Haul Road would need to be removed before the end of this year.

While it is proposed that the application for development consent will include the temporary haul route from the Railway Wharf to the Keadby 3 site, it is necessary for Conditions 7 and 8 to be varied so that the Temporary Haul Road can be retain in-situ until Quarter 3/Quarter 4 2022, at which point it is envisaged that a Development Consent Order would have been granted for Keadby 3, which would in effect replace the Planning Permission. It is therefore proposed that Conditions 7 and 8 are amended to as follows:

Amended Condition 7

“Unless a new planning permission or consent has been granted to permit the retention of the temporary haul road on a further temporary basis within 2 years from completion of the Keadby 2 Power Station Project, the temporary haul road, road bridges and associated infrastructure shall be excavated, dismantled and removed from the site. The developer shall notify the local planning authority in writing no later than 28 days following completion of the construction of Keadby 2 Power Station. The site shall subsequently be restored in accordance with the approved restoration scheme no later than three months following the removal of the works from the site completion of the Keadby 2 power station.”

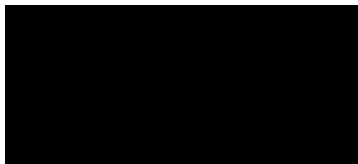
Amended Condition 8

“No later than ~~within~~ 182 months following ~~of~~ completion of the construction of the Keadby 2 Power Station Project temporary haul road hereby approved a scheme for the removal of the temporary haul road, road bridges and associated infrastructure decommissioning of the haul road and restoration of the site, including the incorporation of biodiversity enhancements and a timetable for implementation, shall be submitted to and approved in writing by the local planning authority. The Such an approved scheme shall thereafter be implemented as approved, in accordance with the timescales as set out in condition 7 of this planning permission. except for where a new planning permission or consent has been granted to permit the retention of the temporary haul road in which case the removal of the temporary haul road shall be in accordance with the requirements of the new planning permission or consent.”

The retention of the Temporary Haul Road for use in connection with the construction of Keadby 3 would not only have transport sustainability benefits, but also represents a more sustainable and cost-effective approach than would be the case if it had to be removed later this year in line with Condition 7 as currently worded, only to have to be reconstructed at a later date.

I look forward to the LPA confirming receipt and validation of the Application. The application fee of £234.00 has been settled electronically via the Planning Portal.

Yours sincerely,



Rob Booth MRTPI
Associate
DWD



Enc.

Application Forms and certificates
Site Location Plan
Planning Permission – PA/2019/1595