The Lighthouse Green Fuels Order

Application Reference: EN0110025

Applicant: LGF Projects Limited

Indicative General Arrangement Isometric

Document Reference: 2.5.2

Revision: 00

Planning Act 2008
APFP Reg. 5(2)(o)

Document Information

Author	Weedon Architects
Document Title	Indicative General Arrangement Isometric
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00	Purpose	DCO Application Submission
	Date	September 2026

Information Classification

Information Classification	Date	Reason
Public	September 2026	Proprietary information which will have no impact on the company if disclosed publicly

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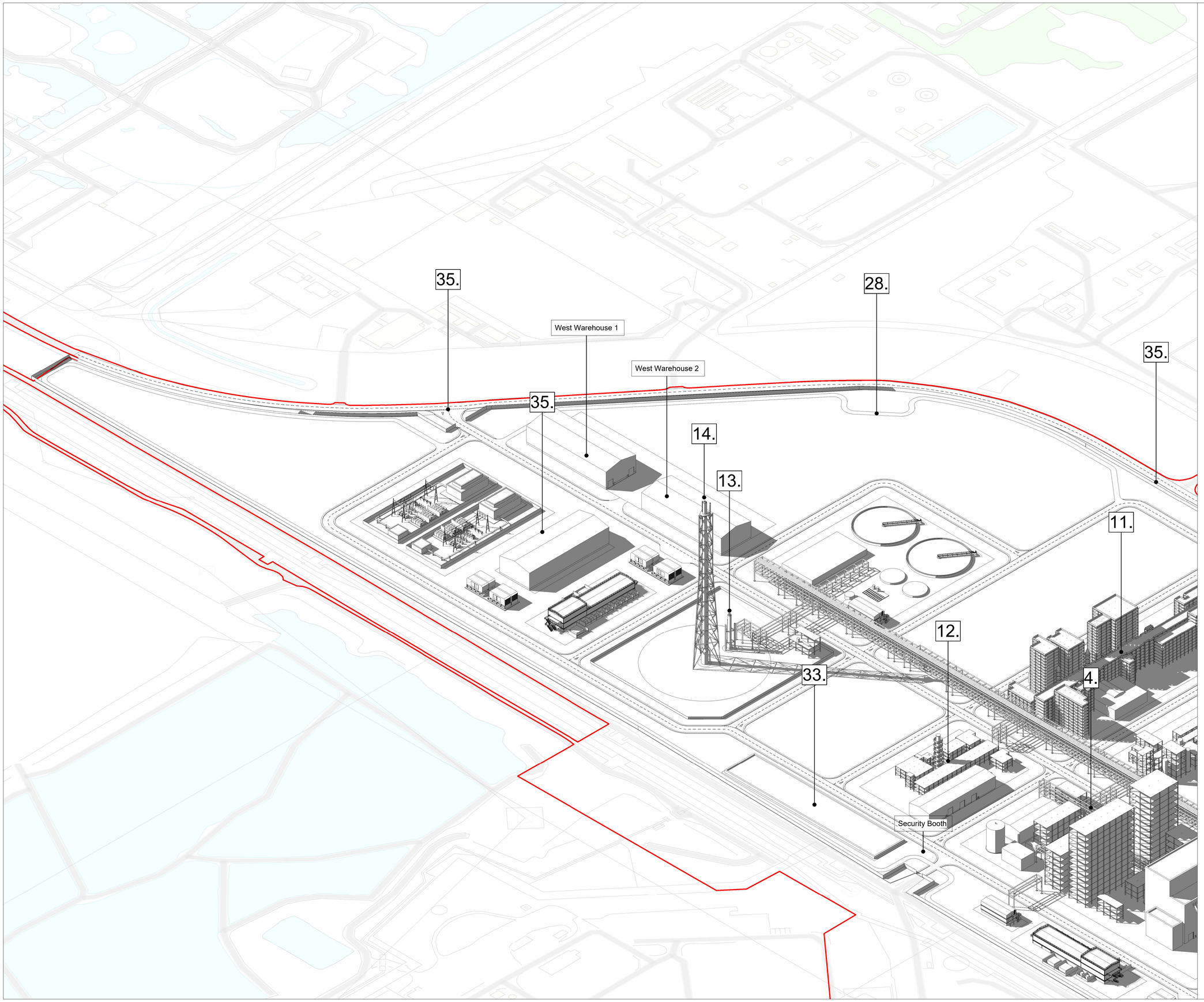
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LEGEND

APPROXIMATE LOCATION WITHIN INDICATIVE GENERAL ARRANGEMENT OF NUMBERED WORK.

The Site (Draft Order Limits)

FEEDSTOCK PRE-TREATMENT:		**Work No.**
1.	Flue Gas Treatment	1A
2.	Stack	1A
3.	Waste Heat Boilers	1A
SAF PROCESSING		**Work No.**
4.	Gasification	1B
5.	Syngas Clean-up	1B
6.	Acid gas removal and carbon dioxide vent	1B
7.	CO^2 Compression	1B
8.	Thermal Oxidiser	1B
9.	Flue Gas Treatment	1B
10.	Stack	1B
11.	Fischer-Tropsch Reactors	1B
12.	Product Upgrading	1B
FLARE STRUCTURES		**Work No.**
13.	LLP Flare	1C
14.	LP/HP Flare	1C
CHP		**Work No.**
15.	Boilers	2A
16.	Steam Turbine	2A
17.	Flue Gas Treatment	2B
18.	Stack	2B
QUAY/ANCILLARY PROCESS		**Work No.**
19.	Ship Off Loaders	3
20.	Main Conveying System	3
21.	Storage Silos	3
22.	Storage Sheds	3
23.	Product Storage & Export	3
24.	Cooling Towers	4
25.	Link-Line Corridor Crossing	5
26.	Quay	6
27.	11KV Substation 132KV Substation	7
28.	Natural Gas AGI	8
29.	Industrial Gases Connections ASU	9A 9B
30.	Industrial Waste Water Connection	10
31.	SAF & Naphtha Export Area	11
32.	CO2 Metering and Export	11B and 11C
33.	Attenuation Ponds	12
34.	Surface Water Discharge	12
35.	Access Works and Private Street Improvements	14

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Lighthouse GREEN FUELS

Drawing Title

2.5.2 Indicative General Arrangement Isometric (Option 1 - 21 Silos)

Client

LGF Projects Ltd.

Project Name

Lighthouse Green Fuels Project

Scale

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Project Number

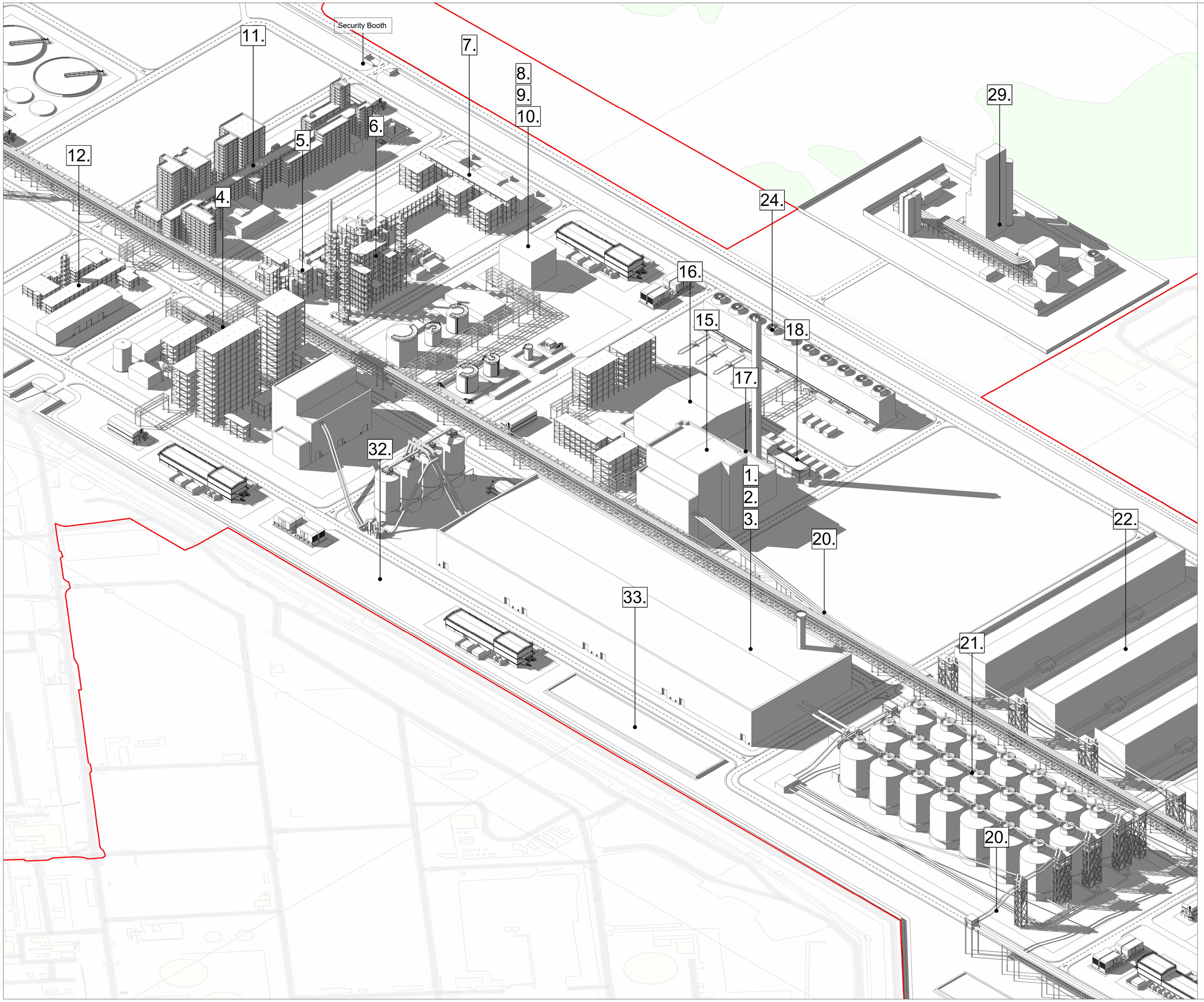
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Drawing Number

2.5.2 Drawing 1 of 10



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APPROXIMATE LOCATION WITHIN INDICATIVE GENERAL ARRANGEMENT OF NUMBERED WORK.

The Site (Draft Order Limits)

FEEDSTOCK PRE-TREATMENT:		**Work No.**
1.	Flue Gas Treatment	1A
2.	Stack	1A
3.	Waste Heat Boilers	1A
SAF PROCESSING		**Work No.**
4.	Gasification	1B
5.	Syngas Clean-up	1B
6.	Acid gas removal and carbon dioxide vent	1B
7.	CO^2 Compression	1B
8.	Thermal Oxidiser	1B
9.	Flue Gas Treatment	1B
10.	Stack	1B
11.	Fischer-Tropsch Reactors	1B
12.	Product Upgrading	1B
FLARE STRUCTURES		**Work No.**
13.	LLP Flare	1C
14.	LP/HP Flare	1C
CHP		**Work No.**
15.	Boilers	2A
16.	Steam Turbine	2A
17.	Flue Gas Treatment	2B
18.	Stack	2B
QUAY/ANCILLARY PROCESS		**Work No.**
19.	Ship Off Loaders	3
20.	Main Conveying System	3
21.	Storage Silos	3
22.	Storage Sheds	3
23.	Product Storage & Export	3
24.	Cooling Towers	4
25.	Link-Line Corridor Crossing	5
26.	Quay	6
27.	11KV Substation	7
	132KV Substation	
28.	Natural Gas AGI	8
29.	Industrial Gases Connections	9A
	ASU	9B
30.	Industrial Waste Water Connection	10
31.	SAF & Naphtha Export Area	11
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Lighthouse GREEN FUELS

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2.5.2 Indicative General Arrangement Isometric (Option 1 - 21 Silos)

Client

LGF Projects Ltd.

Project Name

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Scale

1:1250 @ A1

Project Number

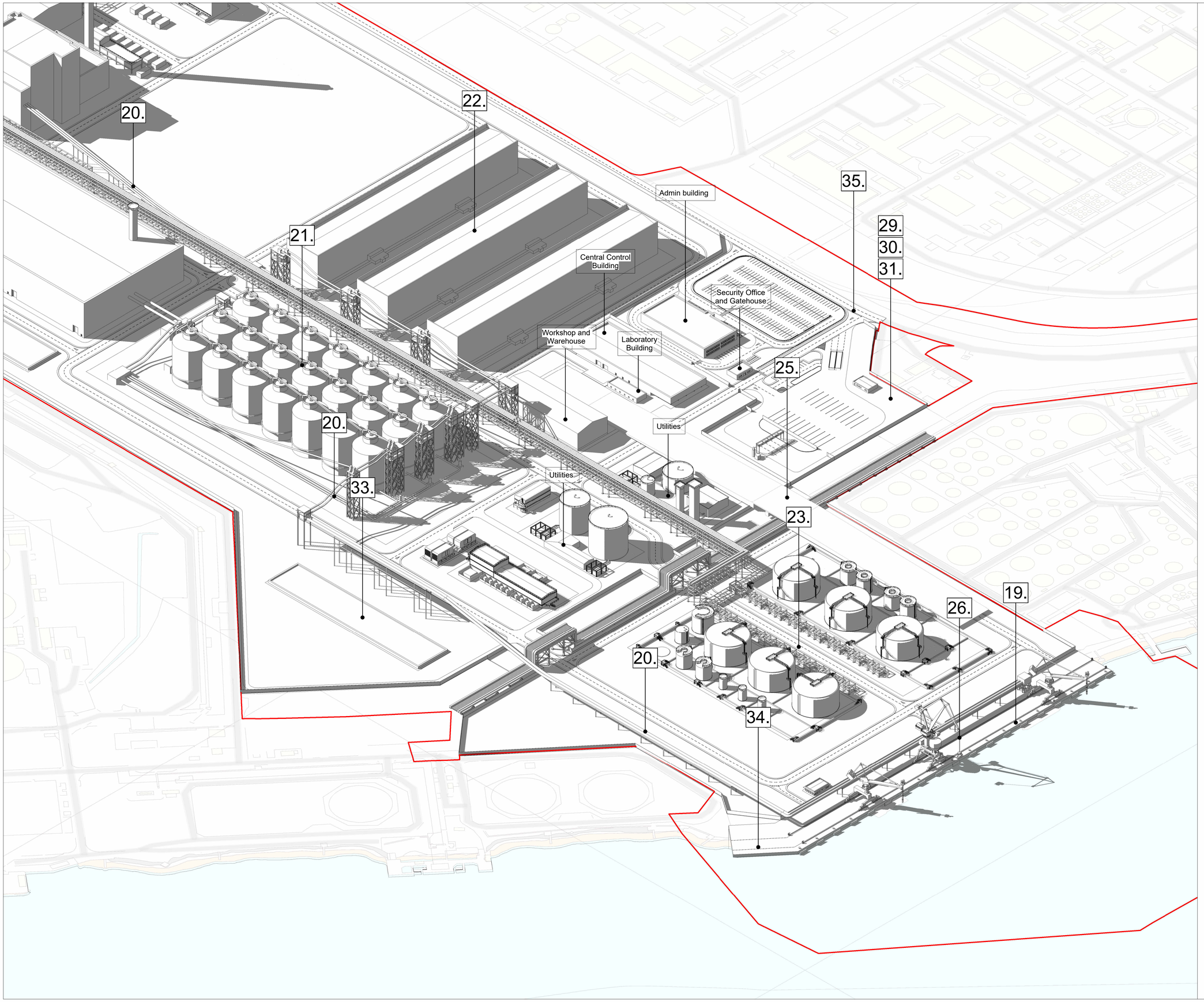
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2.5.2 Drawing 2 of 10



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APPROXIMATE LOCATION WITHIN INDICATIVE GENERAL ARRANGEMENT OF NUMBERED WORK.

The Site (Draft Order Limits)

FEEDSTOCK PRE-TREATMENT:		**Work No.**
1.	Flue Gas Treatment	1A
2.	Stack	1A
3.	Waste Heat Boilers	1A
SAF PROCESSING		**Work No.**
4.	Gasification	1B
5.	Syngas Clean-up	1B
6.	Acid gas removal and carbon dioxide vent	1B
7.	CO^2 Compression	1B
8.	Thermal Oxidiser	1B
9.	Flue Gas Treatment	1B
10.	Stack	1B
11.	Fischer-Tropsch Reactors	1B
12.	Product Upgrading	1B
FLARE STRUCTURES		**Work No.**
13.	LLP Flare	1C
14.	LP/HP Flare	1C
CHP		**Work No.**
15.	Boilers	2A
16.	Steam Turbine	2A
17.	Flue Gas Treatment	2B
18.	Stack	2B
QUAY/ANCILLARY PROCESS		**Work No.**
19.	Ship Off Loaders	3
20.	Main Conveying System	3
21.	Storage Silos	3
22.	Storage Sheds	3
23.	Product Storage & Export	3
24.	Cooling Towers	4
25.	Link-Line Corridor Crossing	5
26.	Quay	6
27.	11KV Substation	7
	132KV Substation	
28.	Natural Gas AGI	8
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	ASU	9B
30.	Industrial Waste Water Connection	10
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2.5.2 Indicative General Arrangement Isometric (Option 1 - 21 Silos)

Client

LGF Projects Ltd.

Project Name

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Project Number

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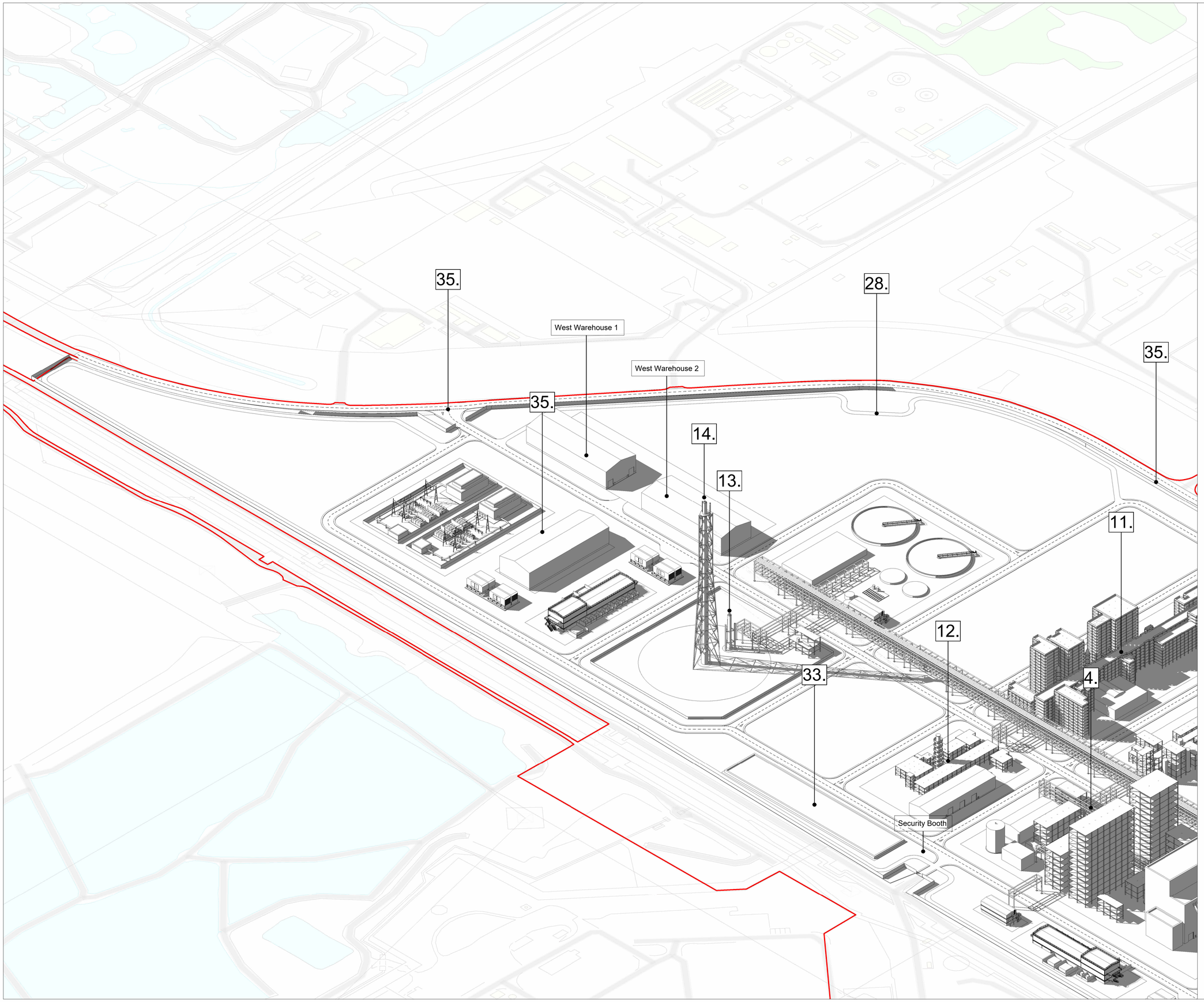
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2.5.2 Drawing 3 of 10

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APPROXIMATE LOCATION WITHIN INDICATIVE GENERAL ARRANGEMENT OF NUMBERED WORK.

The Site (Draft Order Limits)

	FEEDSTOCK PRE-TREATMENT:	Work No.
1.	Flue Gas Treatment	1A
2.	Stack	1A
3.	Waste Heat Boilers	1A
	SAF PROCESSING	**Work No.**
4.	Gasification	1B
5.	Syngas Clean-up	1B
6.	Acid gas removal and carbon dioxide vent	1B
7.	CO^2 Compression	1B
8.	Thermal Oxidiser	1B
9.	Flue Gas Treatment	1B
10.	Stack	1B
11.	Fischer-Tropsch Reactors	1B
12.	Product Upgrading	1B
	FLARE STRUCTURES	**Work No.**
13.	LLP Flare	1C
14.	LP/HP Flare	1C
	CHP	**Work No.**
15.	Boilers	2A
16.	Steam Turbine	2A
17.	Flue Gas Treatment	2B
18.	Stack	2B
	QUAY/ANCILLARY PROCESS	**Work No.**
19.	Ship Off Loaders	3
20.	Main Conveying System	3
21.	Storage Silos	3
22.	Storage Sheds	3
23.	Product Storage & Export	3
24.	Cooling Towers	4
25.	Link-Line Corridor Crossing	5
26.	Quay	6
27.	11KV Substation 132KV Substation	7
28.	Natural Gas AGI	8
29.	Industrial Gases Connections ASU	9A 9B
30.	Industrial Waste Water Connection	10
31.	SAF & Naphtha Export Area	11
32.	CO2 Metering and Export	11B and 11C
33.	Attenuation Ponds	12
34.	Surface Water Discharge	12
35.	Access Works and Private Street Improvements	14

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Lighthouse GREEN FUELS

Drawing Title

2.5.2 Indicative General Arrangement Isometric (Option 2 - 4 Silos)

Client

LGF Projects Ltd.

Project Name

Lighthouse Green Fuels Project

Scale

1:1250 @ A1

Project Number

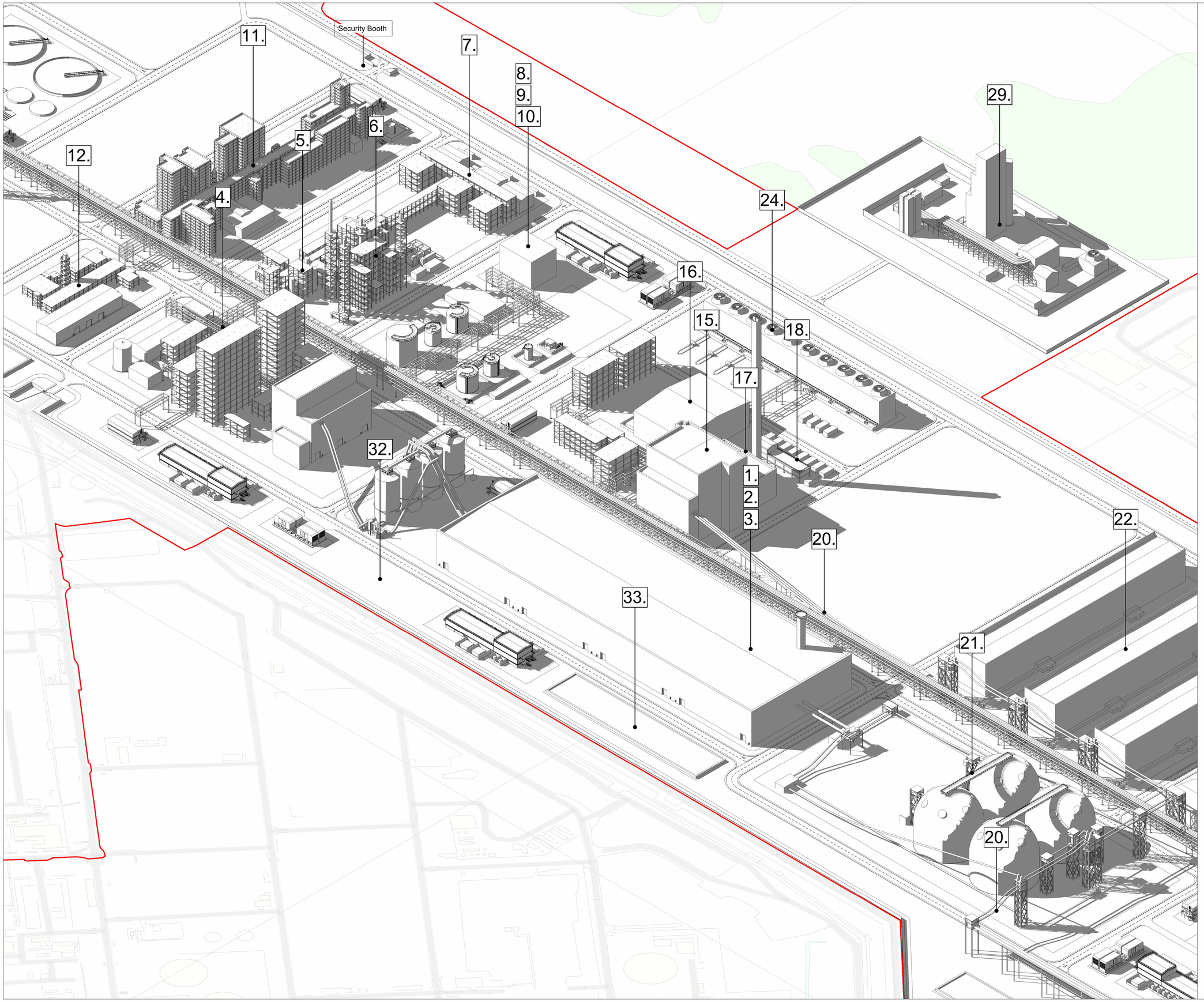
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2.5.2 Drawing 4 of 10



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LEGEND

APPROXIMATE LOCATION WITHIN INDICATIVE GENERAL ARRANGEMENT OF NUMBERED WORK.

The Site (Draft Order Limits)

FEEDSTOCK PRE-TREATMENT:		**Work No.**
1.	Flue Gas Treatment	1A
2.	Stack	1A
3.	Waste Heat Boilers	1A
SAF PROCESSING		**Work No.**
4.	Gasification	1B
5.	Syngas Clean-up	1B
6.	Acid gas removal and carbon dioxide vent	1B
7.	CO^2 Compression	1B
8.	Thermal Oxidiser	1B
9.	Flue Gas Treatment	1B
10.	Stack	1B
11.	Fischer-Tropsch Reactors	1B
12.	Product Upgrading	1B
FLARE STRUCTURES		**Work No.**
13.	LLP Flare	1C
14.	LP/HP Flare	1C
CHP		**Work No.**
15.	Boilers	2A
16.	Steam Turbine	2A
17.	Flue Gas Treatment	2B
18.	Stack	2B
QUAY/ANCILLARY PROCESS		**Work No.**
19.	Ship Off Loaders	3
20.	Main Conveying System	3
21.	Storage Silos	3
22.	Storage Sheds	3
23.	Product Storage & Export	3
24.	Cooling Towers	4
25.	Link-Line Corridor Crossing	5
26.	Quay	6
27.	11KV Substation	7
	132KV Substation	
28.	Natural Gas AGI	8
29.	Industrial Gases Connections	9A
	ASU	9B
30.	Industrial Waste Water Connection	10
31.	SAF & Naphtha Export Area	11
32.	CO2 Metering and Export	11B and 11C
33.	Attenuation Ponds	12
34.	Surface Water Discharge	12
35.	Access Works and Private Street Improvements	14

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Lighthouse GREEN FUELS

Drawing Title

2.5.2 Indicative General Arrangement Isometric (Option 2 - 4 Silos)

Client

LGF Projects Ltd.

Project Name

Lighthouse Green Fuels Project

Scale

1:1250 @ A1

Project Number

16274

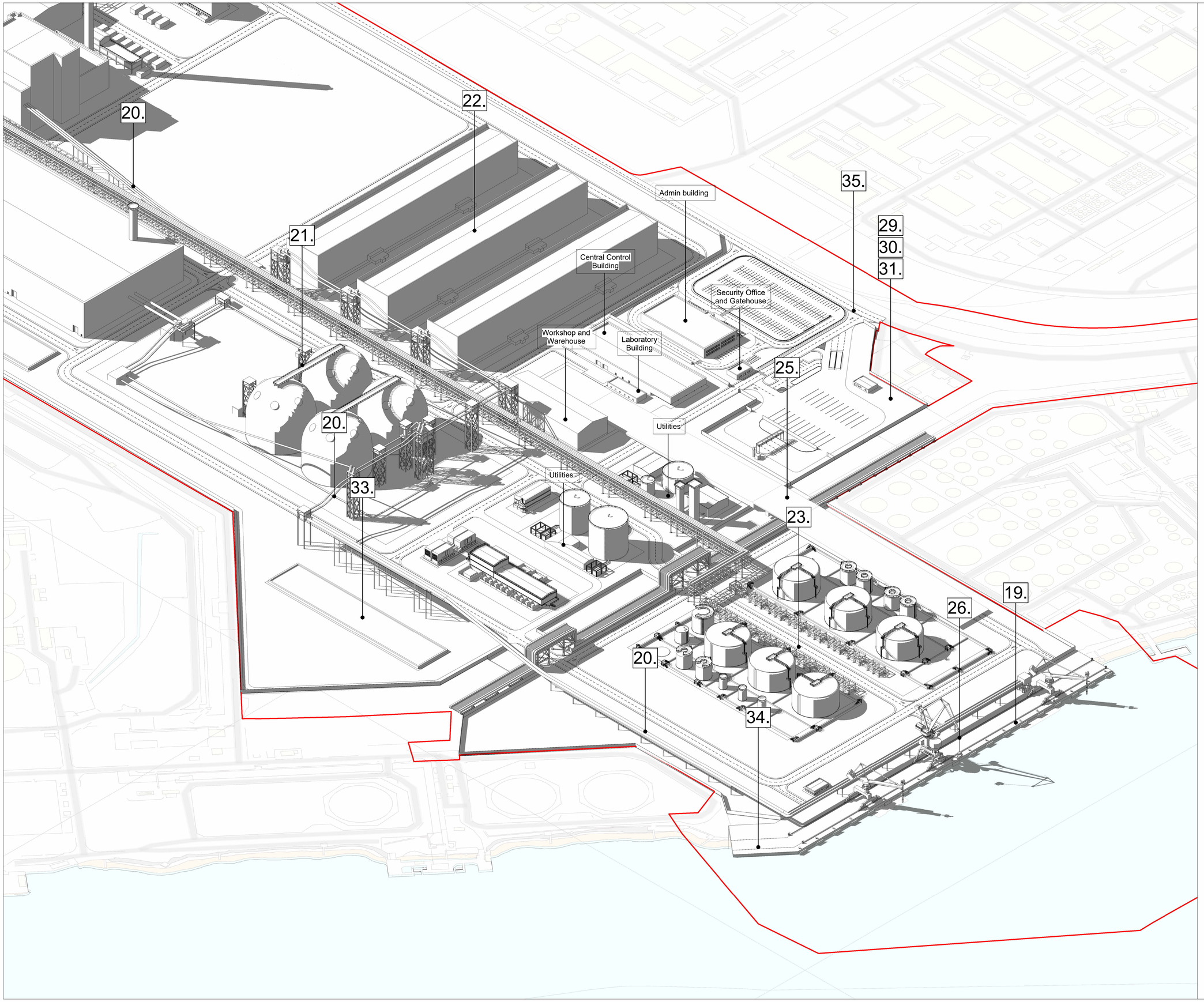
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2.5.2 Drawing 5 of 10

A1



LEGEND

APPROXIMATE LOCATION WITHIN INDICATIVE GENERAL ARRANGEMENT OF NUMBERED WORK.

The Site (Draft Order Limits)

FEEDSTOCK PRE-TREATMENT:		**Work No.**
1.	Flue Gas Treatment	1A
2.	Stack	1A
3.	Waste Heat Boilers	1A
SAF PROCESSING		**Work No.**
4.	Gasification	1B
5.	Syngas Clean-up	1B
6.	Acid gas removal and carbon dioxide vent	1B
7.	CO^2 Compression	1B
8.	Thermal Oxidiser	1B
9.	Flue Gas Treatment	1B
10.	Stack	1B
11.	Fischer-Tropsch Reactors	1B
12.	Product Upgrading	1B
FLARE STRUCTURES		**Work No.**
13.	LLP Flare	1C
14.	LP/HP Flare	1C
CHP		**Work No.**
15.	Boilers	2A
16.	Steam Turbine	2A
17.	Flue Gas Treatment	2B
18.	Stack	2B
QUAY/ANCILLARY PROCESS		**Work No.**
19.	Ship Off Loaders	3
20.	Main Conveying System	3
21.	Storage Silos	3
22.	Storage Sheds	3
23.	Product Storage & Export	3
24.	Cooling Towers	4
25.	Link-Line Corridor Crossing	5
26.	Quay	6
27.	11KV Substation	7
	132KV Substation	
28.	Natural Gas AGI	8
29.	Industrial Gases Connections	9A
	ASU	9B
30.	Industrial Waste Water Connection	10
31.	SAF & Naphtha Export Area	11
32.	CO2 Metering and Export	11B and 11C
33.	Attenuation Ponds	12
34.	Surface Water Discharge	12
35.	Access Works and Private Street Improvements	14

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Drawing Title

2.5.2 Indicative General Arrangement Isometric (Option 2 - 4 Silos)

Client

LGF Projects Ltd.

Project Name

Lighthouse Green Fuels Project

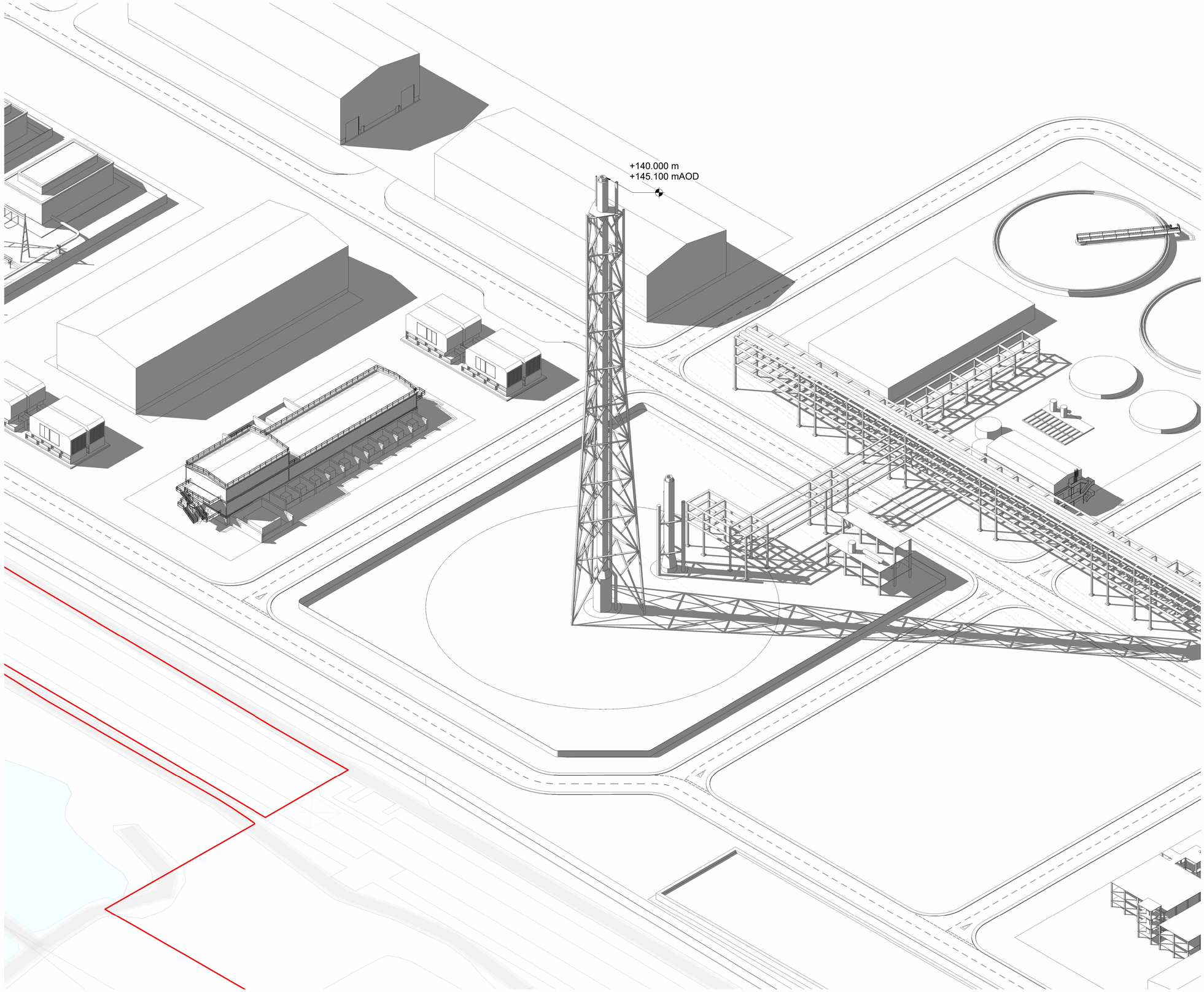
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Drawing Number

2.5.2 Drawing 6 of 10



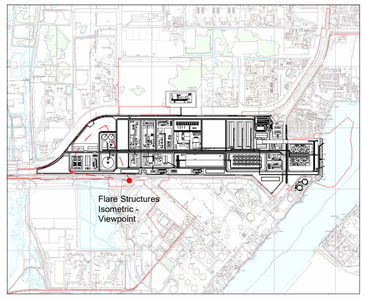
Flare Structures Isometric

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NOTES

1. ASSUMED FINISHED GROUND LEVEL IS +5.100m (AOD).

KEYPLAN



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Drawing Title
2.5.2 Indicative Flare Structures Isometric (Both Options)

Client
LGF Projects Ltd.

Project Name
Lighthouse Green Fuels Project

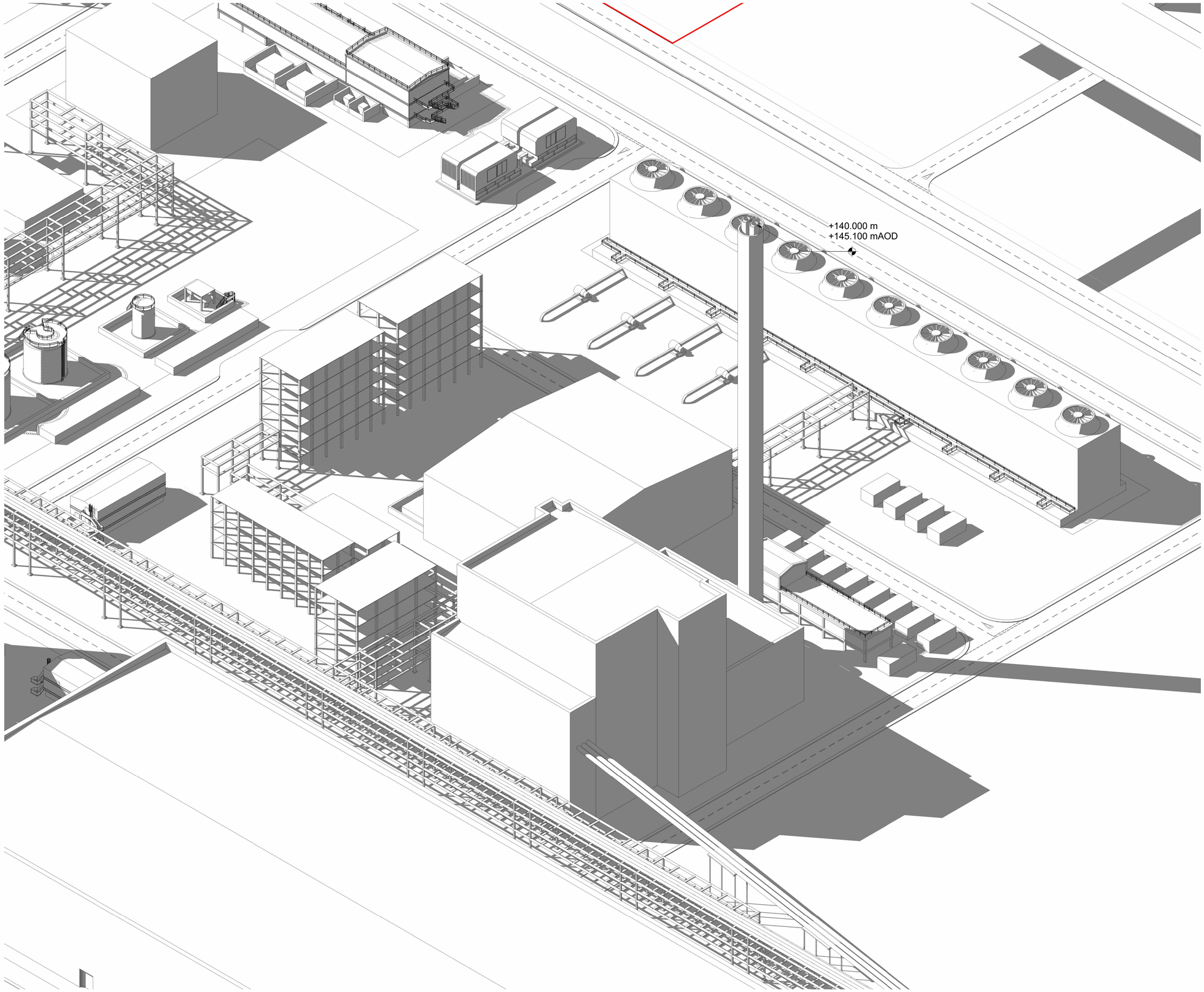
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Drawing Number
2.5.2 Drawing 7 of 10

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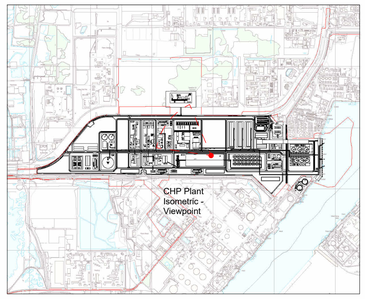


CHP Plant Isometric View

NOTES

1. ASSUMED FINISHED GROUND LEVEL IS +5.100m (AOD).

KEYPLAN



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OS Licence number: AC0000817925

Metres SCALE 1:500
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Drawing Title
2.5.2 Indicative CHP Plant Isometric (Both Options)

Client
LGF Projects Ltd.

Project Name
Lighthouse Green Fuels Project

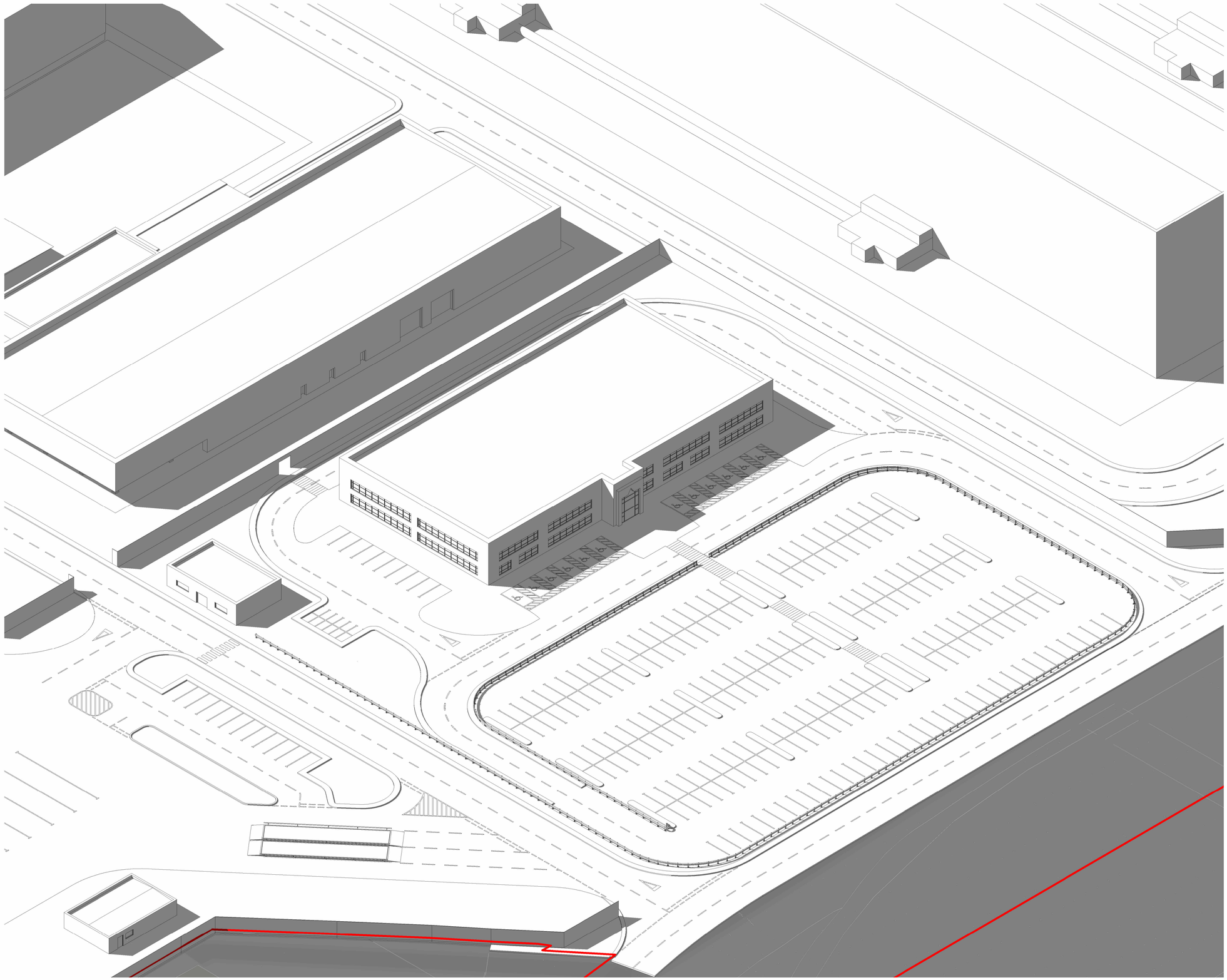
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Drawing Number
2.5.2 Drawing 8 of 10

A1

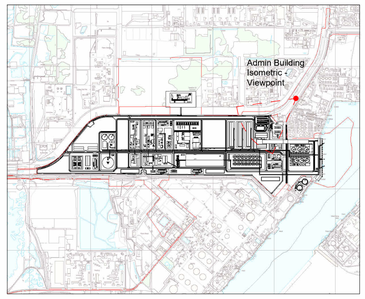


Admin and Gatehouse Isometric

NOTES

1. ASSUMED FINISHED GROUND LEVEL IS +5.100m (AOD).

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Drawing Title
2.5.2 Indicative Admin Block and Gatehouse Isometric (Both Options)

Client
LGF Projects Ltd.

Project Name
Lighthouse Green Fuels Project

Scale
1:300 @ A1

Project Number
16274

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Drawing Number
2.5.2 Drawing 9 of 10

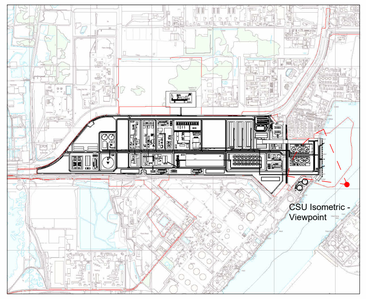
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NOTES

1. ASSUMED FINISHED GROUND LEVEL IS +5.100m (AOD).

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Drawing Title

2.5.2 Indicative CSU Isometric (Both Options)

Client

LGF Projects Ltd.

Project Name

Lighthouse Green Fuels Project

Scale

1:500 @ A1

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Drawing Number

2.5.2 Drawing 10 of 10

CSU Isometric View