

23029-01-001

**Proposed Extension to Educate
Together School at Esker, Lucan, Co.
Dublin**

ROAD SAFETY AUDIT STAGE 1 / 2

July 2023

ROADPLAN

CONSULTING

7, Ormonde Road
Kilkenny
R95 N4FE

Tel: 056 7795800
info@roadplan.ie
www.roadplan.ie

1. INTRODUCTION

- 1.1 This report describes a Stage1 / 2 Road Safety Audit carried out at ETS, Esker, Lucan on behalf of Collins Boyd Engineers & Architects. The audit was carried out on 6th July 2023 in the offices of Roadplan Consulting, Kilkenny.
- 1.2 The audit team members were as follows:
 - Dermot Donovan, BE CEng FIEI.
Auditor Number DD50250
 - George Frisby, BE CEng MIEI
Auditor Number GF51255
- 1.3 Both audit team members visited the site on the 25th March 2023. The audit comprised an examination of the drawings relating to the scheme supplied by Collins Boyd and an examination of the site.
- 1.4 The speed limit of road at the site entrance is 50 km/h.
- 1.5 This Stage 1 / 2 Audit has been carried out in accordance with the relevant sections of TII GE-STY-01024. The team has examined only those issues within the design relating to the road safety implications of the scheme and has therefore not examined or verified the compliance of the design to any other criteria.
- 1.6 All problems described in this report are considered by the audit team to require action in order to improve the safety of the scheme and minimise accident occurrence.
- 1.7 Appendix A describes the audited drawings.

2. STAGE 1 / 2 AUDIT

2.1 Problem

The visibility splay to the right from the retained access onto Esker Lane is partially obstructed by a tree (or trees) located within the roadside verge. At the time of the site visit the trees were without foliage, the trunks were small diameter and the impact on the sightline was minimal. In addition, the speed of traffic is slow due to the presence of ramps on Esker Lane. However, the presence of a sign beside the eastbound lane warning drivers of a concealed entrance ahead would indicate that there was concern at some time in the past in relation to the safe operation of the access.



Road safety risk is increased in situations where inter-visibility between drivers turning at an access and drivers approaching on the mainline is restricted. This may increase the likelihood of collisions at the access.

Recommendation

Ideally the trees within the visibility splay would be removed. If that is not feasible, they should be maintained in a condition such that they do not cause greater obstruction to sightlines.

2.2 Problem

There is a roadside path located beside the kerb line on the south side of Esker Lane to the east of the proposed access. It is one of two paths along that side of the road; the second path is located beside the school boundary. The path beside the road appears to be intended for cyclists. It terminates just before the access to the school and consequently cyclists must enter the road in order to reach the school access. It is noted that bicycle parking within the school is located close to this access, so some cyclists are likely to use the route. Entering the road would increase the risk of cyclist collisions. In addition, crossing facilities are not shown to be provided to enable cyclists to reach the cycle parking on the west side of the access road.

**Recommendation**

Amend the layout so that the path continues fully to the access, allowing cyclists to enter the school without having to enter the roadway on Esker lane. The layout should also include a crossing of the access for cyclists so that they have a suitable cycle route directly to the cycle parking. Appropriate tactile paving should be provided.

2.3 Observation

There would appear to be a relatively large catchment within walking distance of the school – the surrounding area is almost entirely residential. A pedestrian gate is being retained that connects the school to Esker Meadow View and that will be beneficial to road safety in terms of providing increased permeability and promotion of active travel. Through ongoing mobility planning, the school should seek to improve the safety and directness of walking routes to school. For example, maximising

pedestrian connectivity through the sites of adjacent schools would be beneficial, as would improvements to pedestrian permeability in housing estates (such as Esker Lodge and Elmbrook Walk – see image below)



3. AUDIT TEAM STATEMENT

3.1 We certify that we have examined the drawings listed in Appendix A and have inspected the site. This examination has been carried out with the sole purpose of identifying any features of the design that could be removed or modified to improve the safety of the scheme.

Signed..... *Dermot Donovan* Dermot Donovan

Date 6th July 2023.....

Signed..... *George Frisby* George Frisby

Date 6th July 2023.....

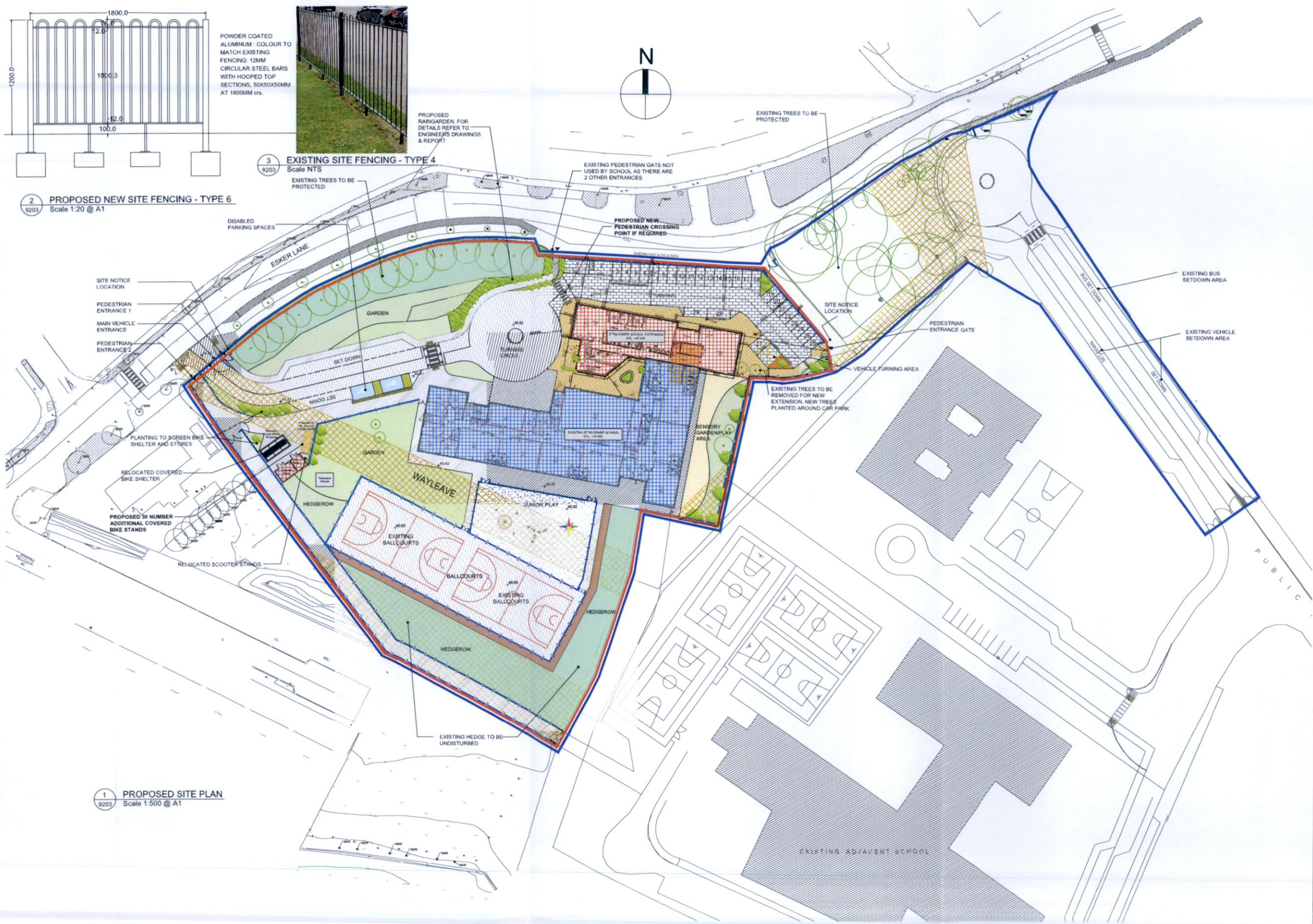
APPENDIX A

List of Drawings Examined

The following drawings have been provided electronically in PDF format by Collins Boyd:

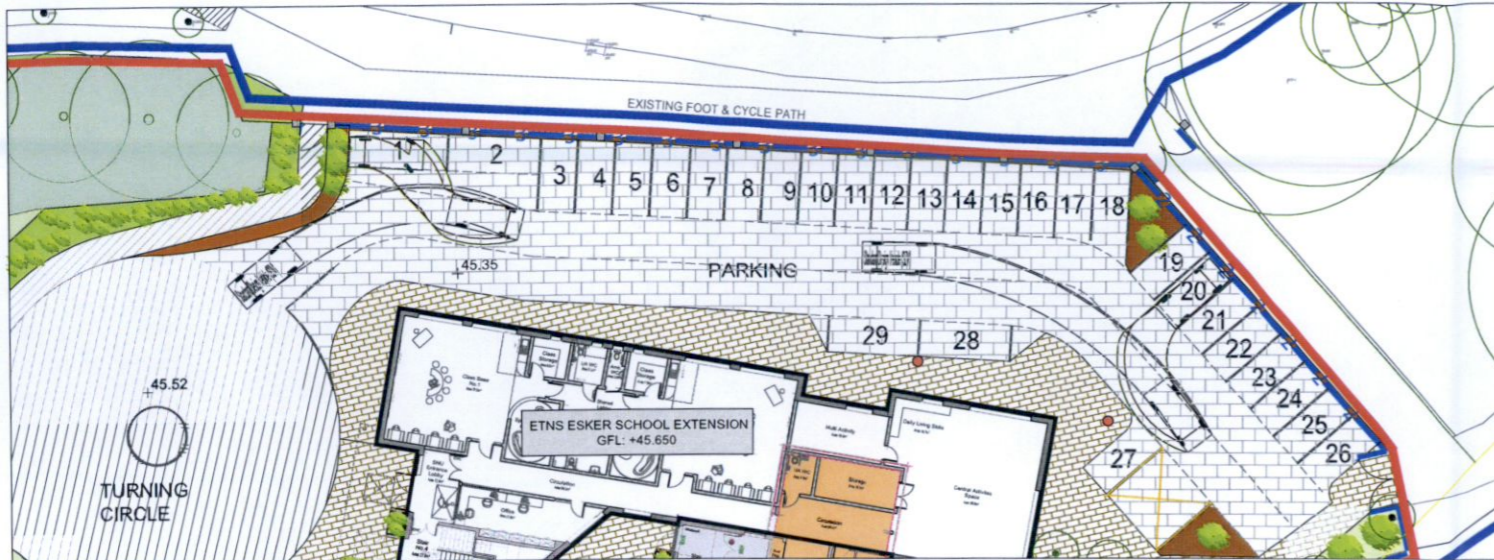
Drawing number	Drawing title
20782 OPP 01 00 DR A 0001 PL P01	Proposed Site Plan
20782-OPP-00-00-DR-A-9201-PL-P01	Site Location Map
AT02	Autotrack – Car
AT03	Autotrack – Fire Tender & Refuse Vehicle
AT04	Autotrack – Mini Bus

- Legend.**
- EXISTING:**
- EXISTING ETNS ESKER BUILDING
 - EXISTING FEATURE PAVING TO FRONT ENTRANCE OF SCHOOL BUILDING
 - EXISTING CONCRETE PATHS TO ARCHITECT'S SPECIFICATION
 - EXISTING TARMAC SURFACE TO ARCHITECT'S SPECIFICATION
 - EXISTING WET POUR SAFETY SURFACE TO PLAY AREA
 - EXISTING SOFT LANDSCAPING EXISTING GRASS
 - EXISTING HEDGEROW
 - WAYLEAVE TO ALLOW FOR DRAINAGE CONNECTION
 - EXISTING TREES
 - BLISTERED TACTILE PAVING. RED - CONTROLLED CROSSING, YELLOW UNCONTROLLED CROSSING
 - RED LINE INDICATES EXTENT OF SITE BOUNDARY
 - 1.8m HIGH GREEN 656 BALLSTOP FENCING WITH GATES AS SHOWN
 - 2.4m HIGH GREEN 656 BALLSTOP FENCING WITH GATES AS SHOWN
 - 2.4m HIGH BOUNDARY TREATMENT WITH 1.0M HIGH DWARF WALL AND 1.4M HIGH RAILING AND GATES AS SHOWN
 - 1.2m HIGH HOOP TOP FENCING AND GATES AS SHOWN
 - 2.4m HIGH RAILINGS AND GATES AS SHOWN
- PROPOSED:**
- PROPOSED ETNS ESKER EXTENSION, PROPOSED BIN STORE (RELOCATED)
 - PROPOSED PERMEABLE PAVING TO AREAS SURROUNDING THE NEW SEN EXTENSION
 - PROPOSED PERMEABLE PAVING SURFACE TO CAR PARK EXTENSION.
 - PROPOSED SEN PLAY AREA AND SENSORY GARDEN. LAYOUT TO LATER DETAIL.
 - PROPOSED SOFT LANDSCAPING PROPOSED GRASS
 - PROPOSED TREES / PLANTING
 - PROPOSED NEW FENCING TO SEN PLAY AREA AND SENSORY GARDEN
 - PROPOSED 1.2m HIGH HOOP TOP FENCING AS SHOWN
 - GROUND FLOOR CLASSROOM TO BE DEMOLISHED FOR NEW LINK TO NEW EXTENSION
 - PROPOSED RAINGARDEN. FOR DETAILS REFER TO ENGINEERS DRAWINGS & REPORT

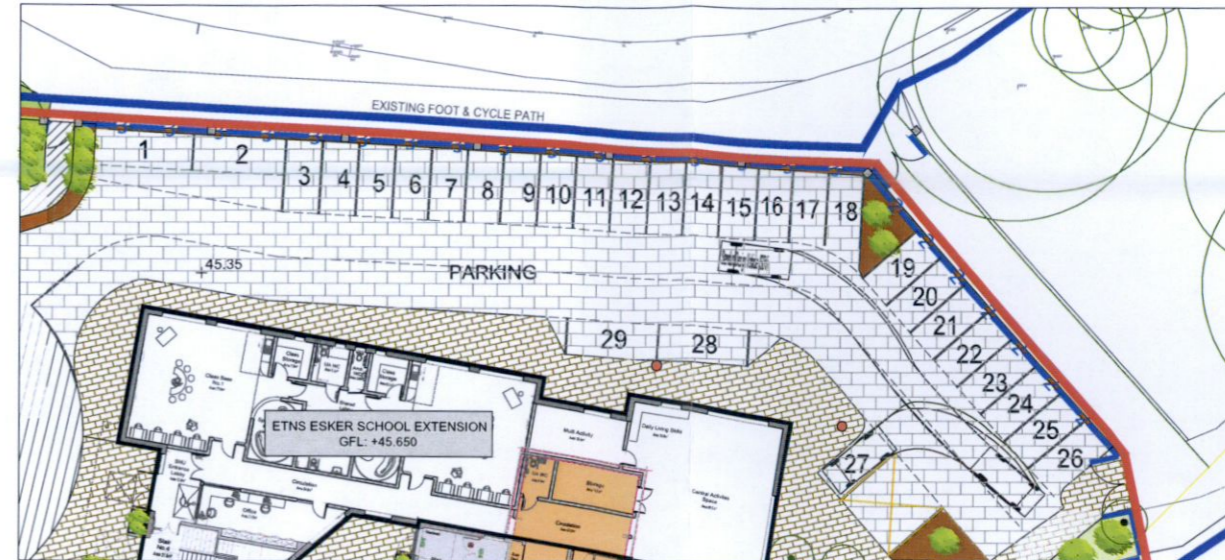


Planning Application - Additional Information

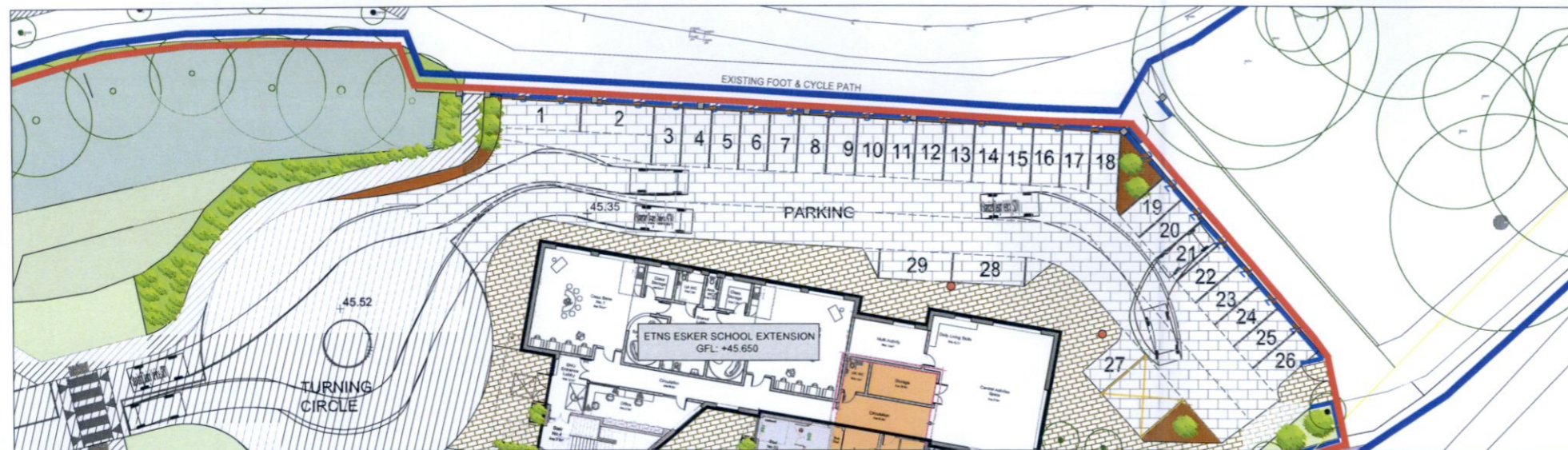
												ARCHITECTS & INTERIOR DESIGNERS Unit D1, The Millhouse, The Steelworks, Foley Street, Dublin 1. Tel: (01) 8899800 Fax: (01) 8899899 email: architecture@oppermann.ie	
										CLIENT: Department of Education and Skills PROJECT: 20-782 - Esker ETNS, Lucan - School Extension DRAWING: Proposed Site Plan DRAWING NO: 20782-OPP-00-00-DR-A-9203-PL-P03 PLOT DATE: 06.07.2023		DRAWN BY: OA CHECKED BY: OA SCALE: 1:500@A1	
REVISION	DATE	REVISED BY	DESCRIPTION	REVISION	DATE	REVISED BY	DESCRIPTION	REVISION	DATE	REVISED BY	DESCRIPTION		
				P03	07/07/2023	DMCD	Additional Information Response						
				P02	31/05/2023	OA	Planning FI Clarification						
				P01	23/11/2021	OA	Additional Information Response						



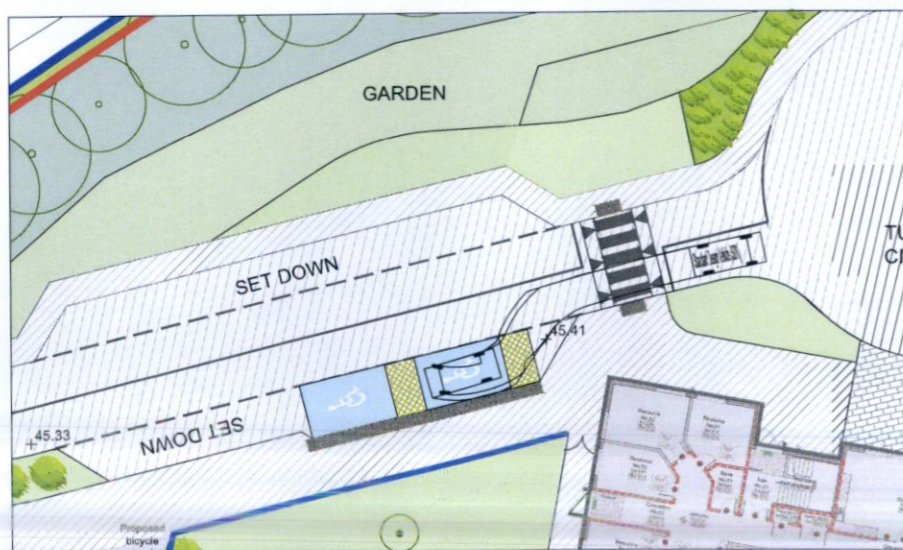
PARKING SPACES 1 & 20



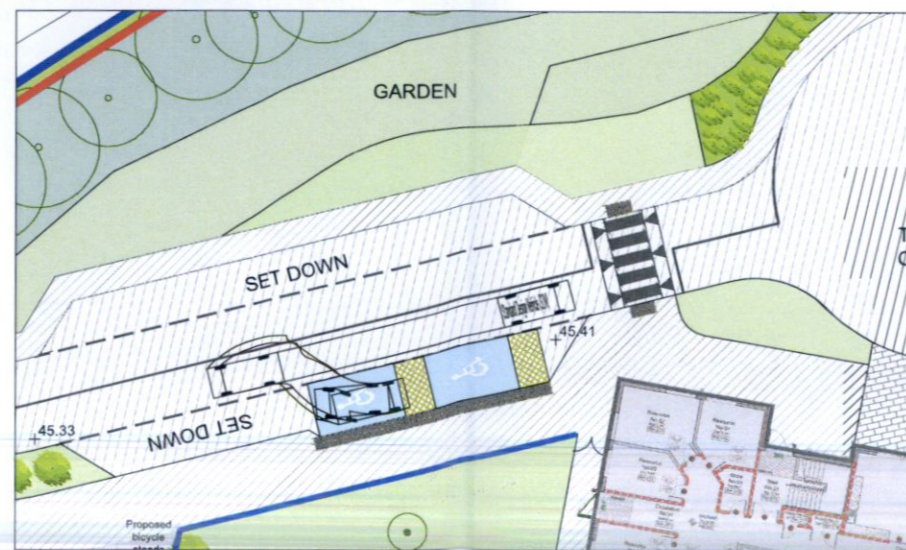
PARKING SPACE 27



PARKING SPACE 21 & TWO VEHICLES PASSING EACH OTHER AT PINCH POINT



MOBILITY IMPAIRED SPACE NO. 1



MOBILITY IMPAIRED SPACE NO. 2



Standard Design Vehicle (SDV)
 Overall Length 4.800m
 Overall Width 2.000m
 Overall Body Height 1.950m
 Min Body Ground Clearance 0.100m
 Track Width 2.000m
 Lock-to-lock time 4.00s
 Wall to Wall Turning Radius 6.000m

- Notes:
- This drawing is the copyright Collins Boyd Engineering Ltd. It is a confidential document and must not be copied, used or its contents divulged without prior written permission.
 - DO NOT SCALE, use figured dimensions only, if in doubt ask.
 - Drawings for Planning Permissions purposes only unless otherwise stated.

Rev	Description	By	Date
PL0	Issued for Further Information	JR	26/05/2023

collinsboyd
 ENGINEERING ARCHITECTS

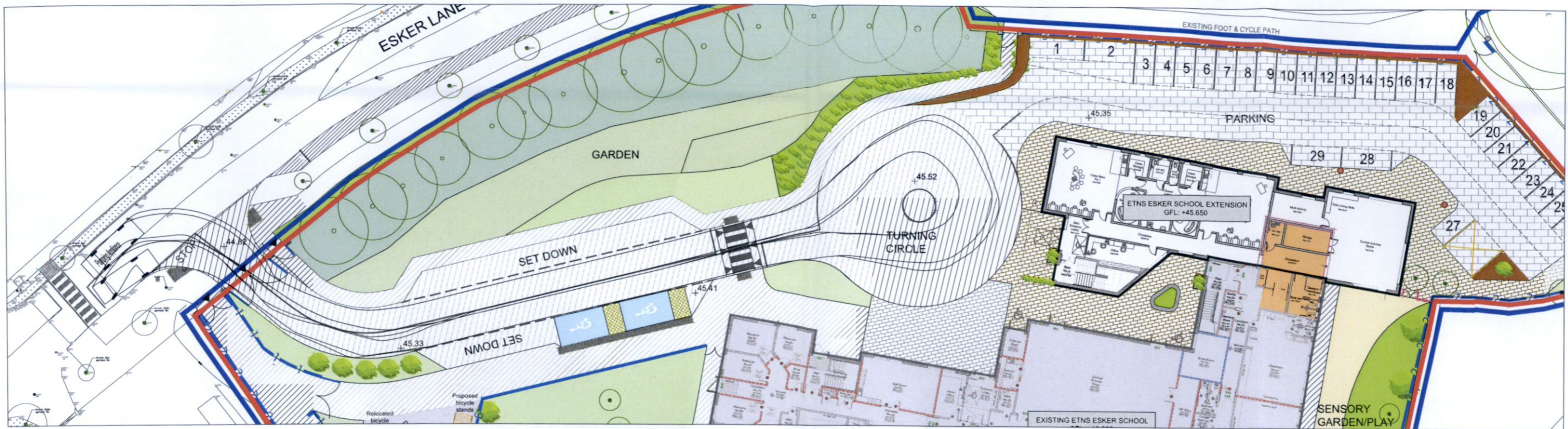
Galway Road Roscommon Co. Roscommon F42 V344
 Phone: 090 66 34421 Fax: 090 66 34423
 Email: info@collinsboydeng.com

Client:
 BóM Esker Educate Together National School, Esker Lane

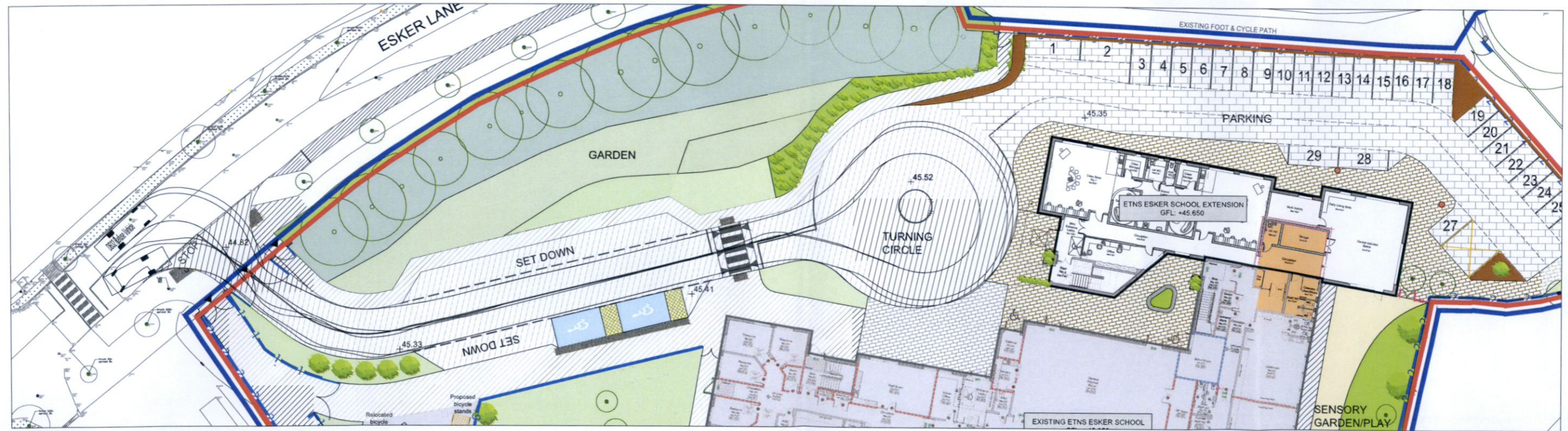
Drawing Title:
 Autotrack - Car

Job Title:
 Proposed Additional Accommodation Scheme to Esker Educate Together National School, Esker Lane

Status:	Planning	
Date:	May 2023	
Scale:	1:250 @ A1	
Drawn by:	JR	
JOB No.	DRG No.	REV.
21.135	AT02	PL0



FIRE TENDER



REFUSE VEHICLE



Pumping Appliance	7.900m	DB32 Refuse Vehicle	7.900m
Overall Length	2.400m	Overall Length	2.400m
Overall Width	3.300m	Overall Width	3.183m
Overall Body Height	0.140m	Overall Body Height	0.389m
Min Body Ground Clearance	2.500m	Min Body Ground Clearance	2.400m
Track Width	4.00m	Max Track Width	6.00m
Lock-to-lock time	7.750m	Lock-to-lock time	9.625m
Curb to Curb Turning Radius		Curb to Curb Turning Radius	

Notes:

- This drawing is the copyright Collins Boyd Engineering Ltd. It is a confidential document and must not be copied, used or its contents divulged without prior written permission.
- DO NOT SCALE, use figured dimensions only, if in doubt ask.
- Drawings for Planning Permissions purposes only unless otherwise stated.

Rev	Description	By	Date
PL0	Issued for Further Information	JR	26/05/2023



Galway Road
Roscommon
Co. Roscommon
F42 V344

Phone: 090 66 34421
Fax: 090 66 34423
Email: info@collinsboydeng.com

Client:

BoM Esker Educate Together National School, Esker Lane

Drawing Title:

Autotrack - Fire Tender & Refuse Vehicle

Job Title:

Proposed Additional Accommodation Scheme to Esker Educate Together National School, Esker Lane

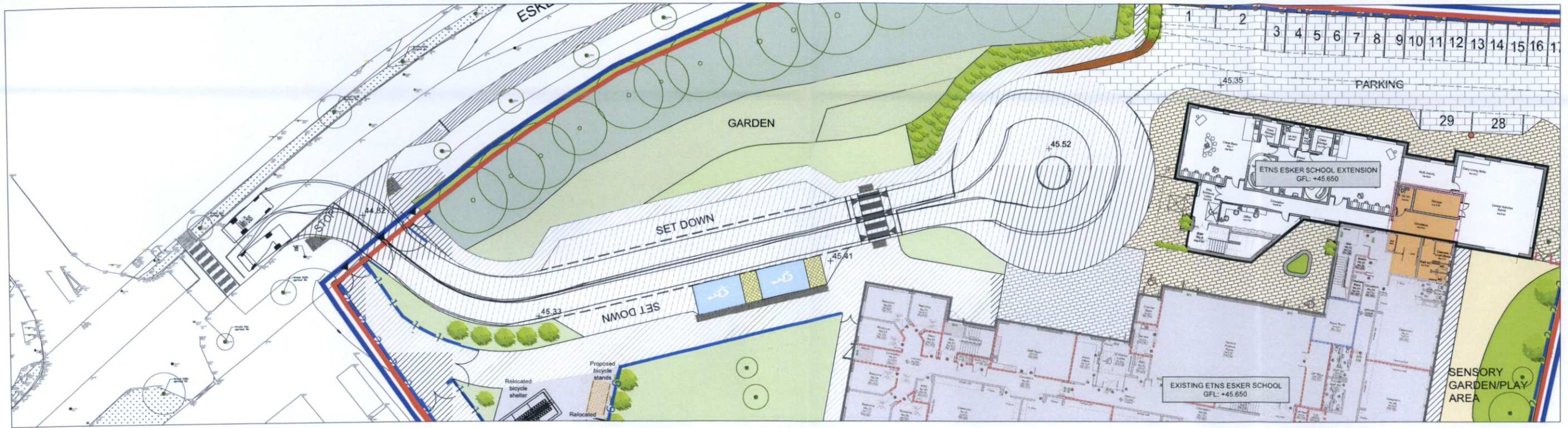
Status: Planning

Date: May 2023

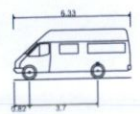
Scale: 1:250 @ A1

Drawn by: JR

JOB No.	DRG No.	REV.
21.135	AT03	PL0



MINI BUS



Mini Bus	6.330m
Overall Length	2.192m
Overall Width	2.601m
Overall Body Height	0.374m
Min Body Ground Clearance	2.192m
Track Width	4.025
Lock-to-lock time	6.450m
Curb to Curb Turning Radius	

Notes:	Rev	Description	By	Date
1. This drawing is the copyright Collins Boyd Engineering Ltd. It is a confidential document and must not be copied, used or its contents divulged without prior written permission.				
2. DO NOT SCALE, use figured dimensions only, if in doubt ask.				
3. Drawings for Planning Permissions purposes only unless otherwise stated.				

collinsboyd
ENGINEERS & ARCHITECTS

Galway Road
Roscommon
Co. Roscommon
F42 V344

Phone: 090 66 34421
Fax: 090 66 34423
Email: info@collinsboydeng.com

Client:
BoM Esker Educate Together
National School, Esker Lane

Drawing Title:
Autotrack - Mini Bus

Job Title:
Proposed Additional Accommodation Scheme to Esker
Educate Together National School, Esker Lane

Status:	Preliminary	
Date:	May 2023	
Scale:	1:250 @ A1	
Drawn by:	JR	
JOB No.	DRG No.	REV.
21.135	AT04	PR0

SAFETY AUDIT FEEDBACK FORM

Scheme: ETNS Esker, Lucan, Co. Dublin

Document Number: 23029-01-001

Audit Stage: Stage 1 / 2 RSA

Date Audit Completed: 6th July 2023

Paragraph No. in Safety Audit Report	To Be Completed By Designer			To Be Completed by Audit Team Leader
	Problem accepted (yes/no)	Recommended measure accepted (yes/no)	Describe alternative measure(s). Give reasons for not accepting recommended measure. Only complete if recommended measure is not accepted.	Alternative measures or reasons accepted by auditors (yes/no)
2.1	yes	Yes (trees to be maintained by council)	We accept the recommendation and such work be carried by the local authority. These lands are not in the control of the applicant. Any works here to solve this issue is outside the control of the applicant.	-----
2.2	yes	yes	We accept the recommendation and such work be carried out by the local authority as the works are outside the site boundary line. As there are 2 pedestrian entrances to this main gate, cyclists must dismount prior to entering the site.	-----

Safety Audit Signed off  Design Team Leader

Print Name: Stephen Oppermann

Date 06.07.2023

Safety Audit Signed off  Employer

Print Name: Gemma Curry (chair of BoM)

Date 06.07.2023

Safety Audit Signed off  Audit Team Leader

Print Name George Frisby

Date 6/7/23

Please complete and return to: Roadplan Consulting,
7, Ormonde Road
Kilkenny
E-mail: info@roadplan.ie