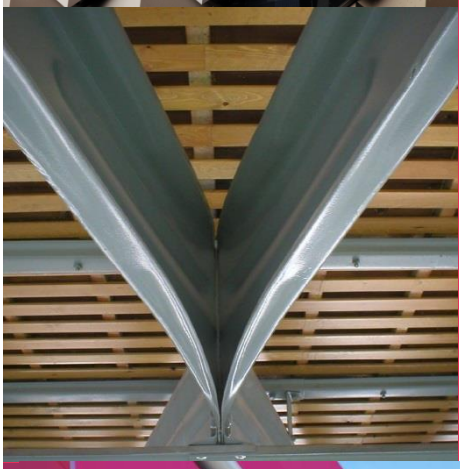








Gateway 36

Retaining Structure and Slope Detail Drawings

Curtins Ref: 079577

Revision: 00

Issue Date: **

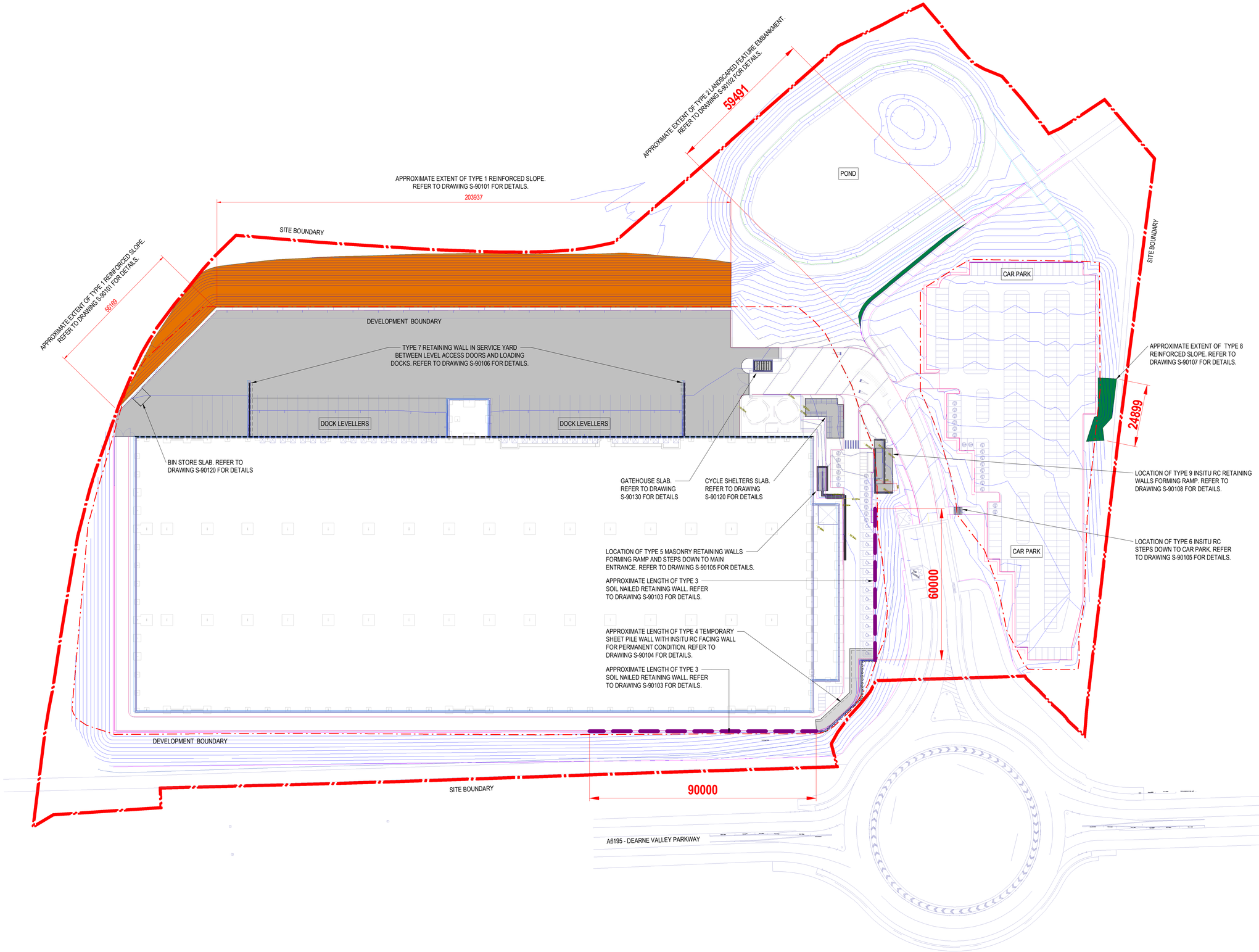
Client Name: Firethorn Trust

Client Address: 85 Newman Street, London, W1T 3EU

Site Address: Dearne Valley Parkway, Barnsley, S74 0QA

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RETAINING WALL LOCATION PLAN

SCALE: 1 : 750

GENERAL NOTES:

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2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING 079577-CUR-ZZ-DR-S-20001.

Rev:	Description:	Date:	By:	Chkd:
P02	UPDATED STAGE 3 ISSUE	31.03.22	KE	NW
P01	STAGE 3 ISSUE	04.03.22	KE	NW

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Status: STAGE 3

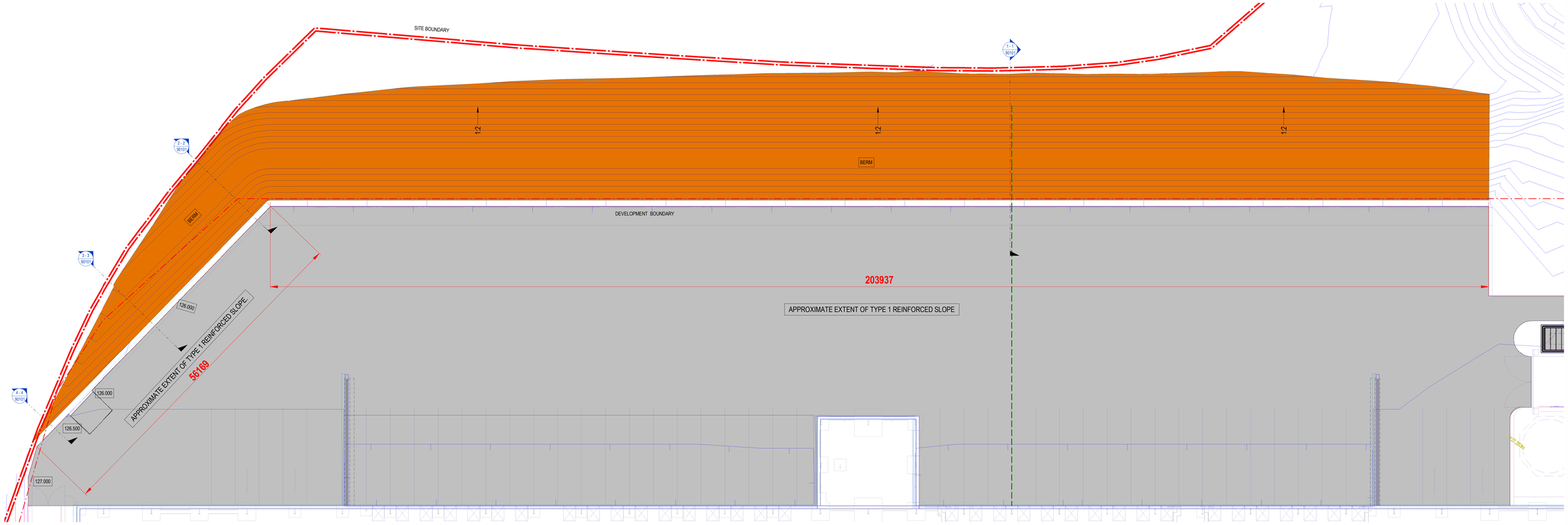
Project: GATEWAY 36, BARNSLEY

Drg Title: RETAINING STRUCTURES / SLOPES LOCATION PLAN

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	FEB 2022	KE	NW	NW
Scale: 1 : 750				

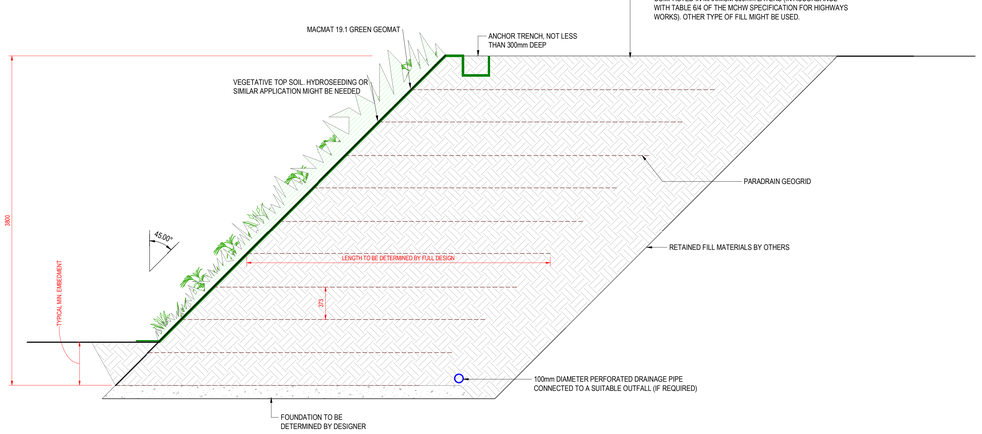
Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90100 -	P02

Model Name:XXXXXX-CUR-ZZ-XX-M3-S-90001



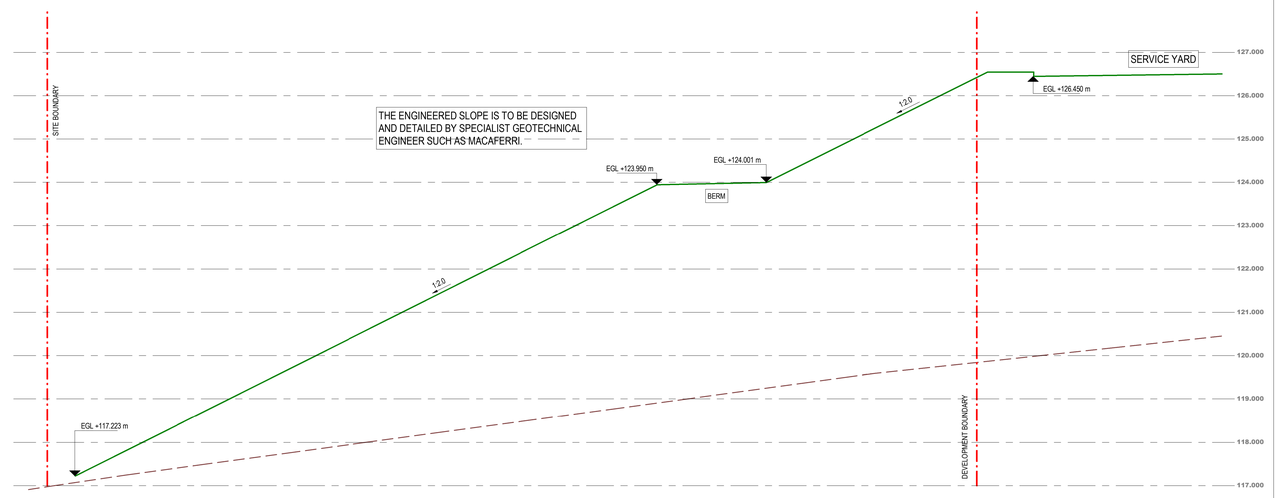
PLAN

SCALE: 1 : 250



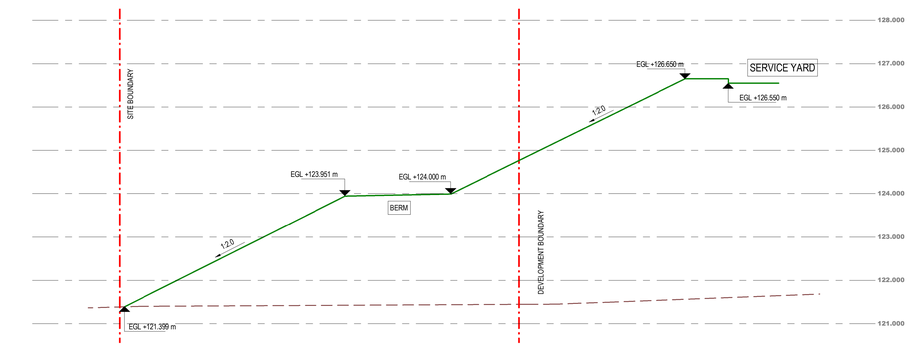
TYPICAL PARADRAIN SOIL REINFORCEMENT AND MACMAT GEOMAT FACE PROTECTION

SCALE: 1 : 25



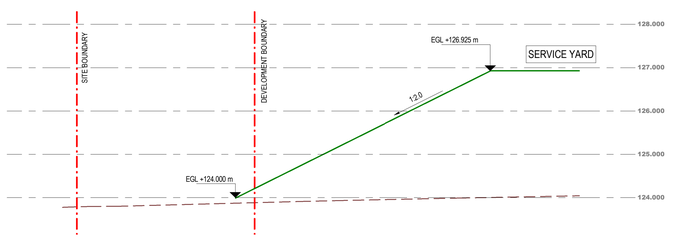
SECTION 1-1

SCALE: 1 : 50



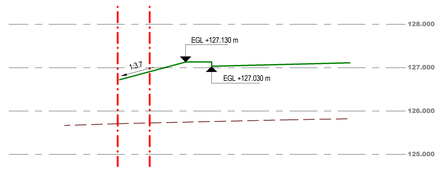
SECTION 2-2

SCALE: 1 : 50



SECTION 3-3

SCALE: 1 : 50



SECTION 4-4

SCALE: 1 : 50

GENERAL NOTES:

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3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING 079577-CUR-ZZ-DR-S-20001.

SECTION KEY

- APPROXIMATE EXISTING TOPO SURFACE PROFILE
- PROPOSED EXTERNAL GROUND PROFILE
- EGL +127.300 PROPOSED EXTERNAL GROUND LEVEL ON SECTION

Rev:	Description:	Date:	By:	Chkd:
P02	UPDATED STAGE 3 ISSUE	31.03.22	KE	NW
P01	STAGE 3 ISSUE	04.03.22	KE	NW

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Status: STAGE 3

Project: GATEWAY 36, BARNSLEY

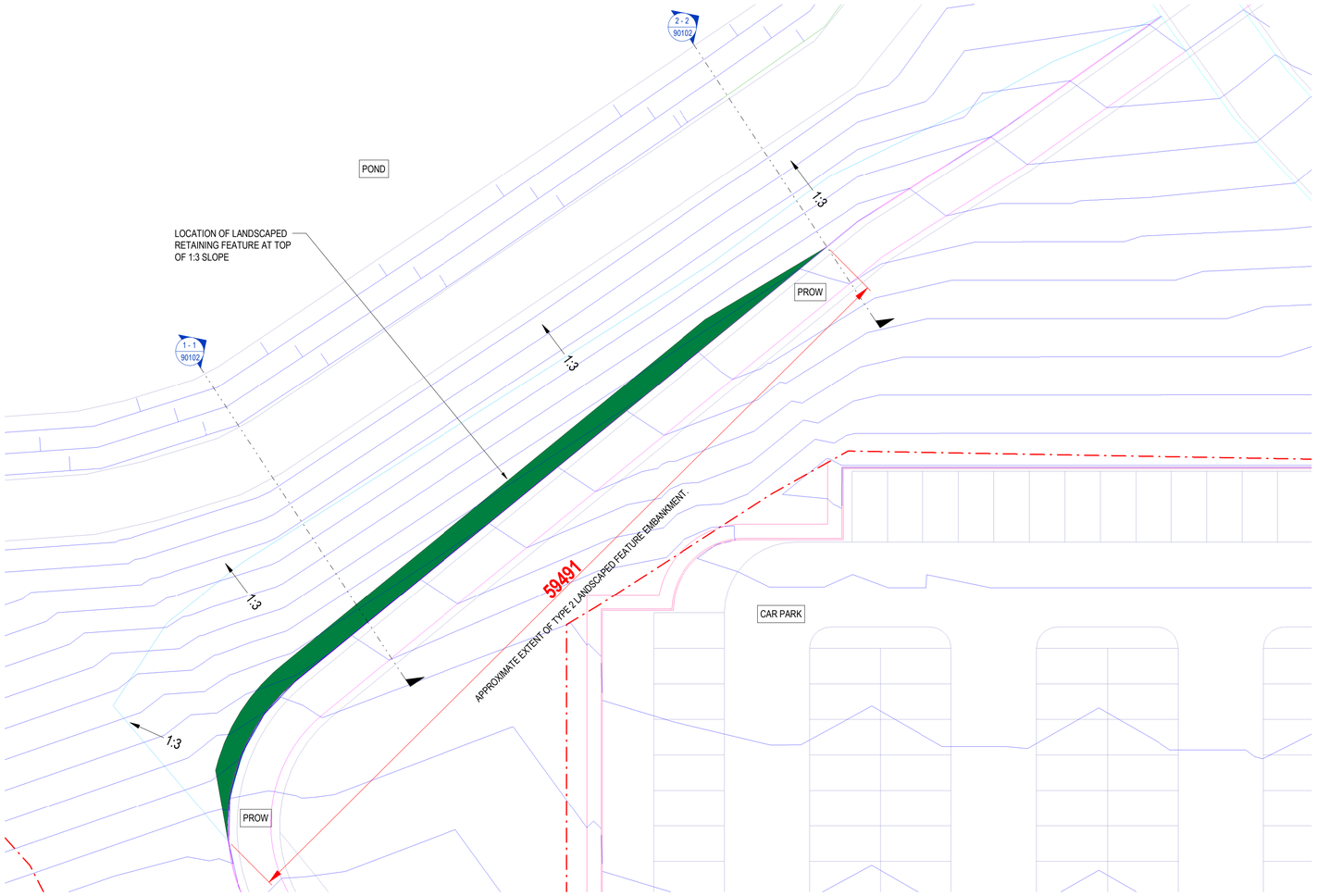
Drg Title: TYPE 1 REINFORCED SLOPE

Size:	Date:	Drawn By:	Designed By:	Checked By:
A0	FEB 2022	KE	NW	NW

Scale: As indicated

Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90101 -	P02

Model Name: XXXXX-CUR-ZZ-XX-M3-S-00001

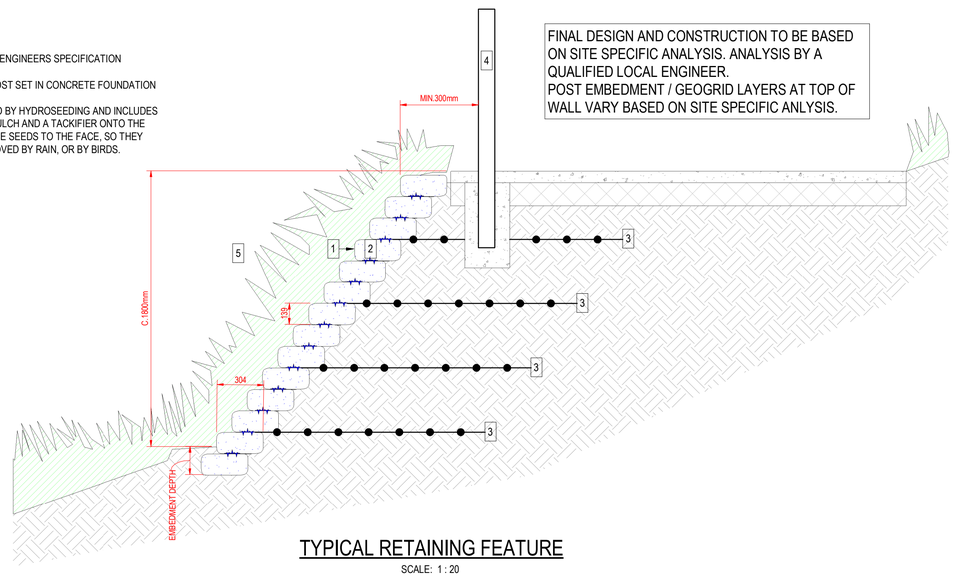


FEATURE EMBANKMENT TYPE 2A PLAN

SCALE: 1 : 200

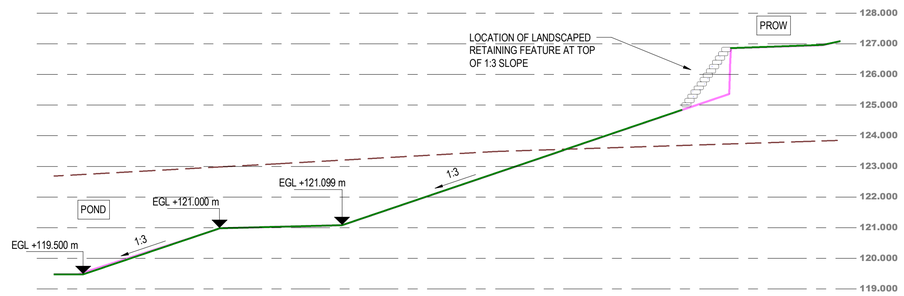
1. FLEX MSE BAG
2. FLEX MSE BAG
3. GEOGRID AS PER ENGINEERS SPECIFICATION
4. TIMBER FENCE POST SET IN CONCRETE FOUNDATION
5. SEED MIX APPLIED BY HYDROSEEDING AND INCLUDES MIX OF SEEDS, MULCH AND A TACKIFIER ONTO THE WALL. BINDING THE SEEDS TO THE FACE, SO THEY CANNOT BE REMOVED BY RAIN, OR BY BIRDS.

FINAL DESIGN AND CONSTRUCTION TO BE BASED ON SITE SPECIFIC ANALYSIS. ANALYSIS BY A QUALIFIED LOCAL ENGINEER.
POST EMBEDMENT / GEOGRID LAYERS AT TOP OF WALL VARY BASED ON SITE SPECIFIC ANLYSIS.



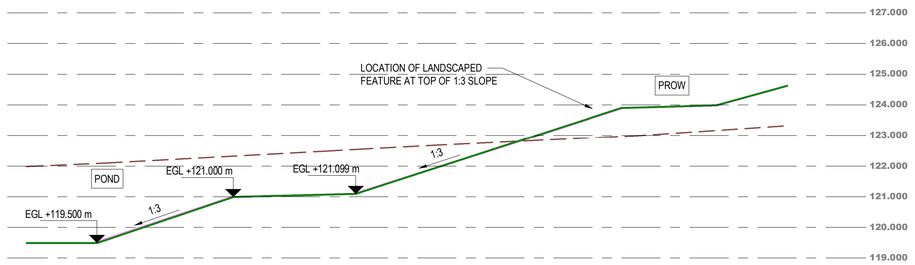
TYPICAL RETAINING FEATURE

SCALE: 1 : 20



SECTION 1-1

SCALE: 1 : 100



SECTION 2-2

SCALE: 1 : 100

GENERAL NOTES:

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3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING 079577-CUR-ZZ-DR-S-20001.

SECTION KEY

- APPROXIMATE EXISTING TOPO SURFACE PROFILE
- PROPOSED EXTERNAL GROUND PROFILE
- EGL +127.300 PROPOSED EXTERNAL GROUND LEVEL ON SECTION

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Status: STAGE 3

Project: GATEWAY 36, BARNSLEY

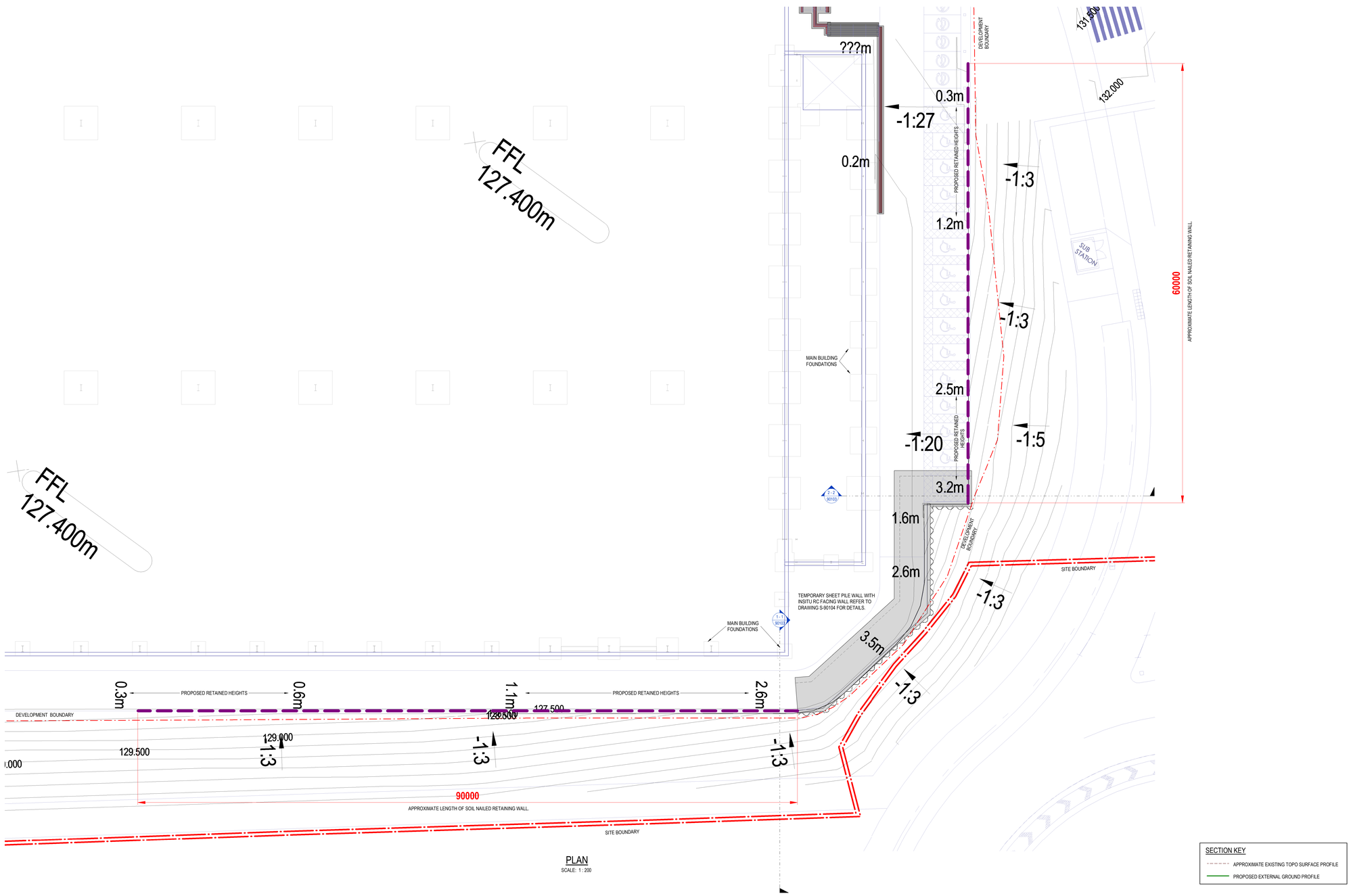
Drg Title: TYPE 2 LANDSCAPED FEATURE EMBANKMENT

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	FEB 2022	KE	NW	NW

Scale: As indicated

Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90102 -	P02

Model Name:XXXXX-CUR-ZZ-XX-M3-S-00001

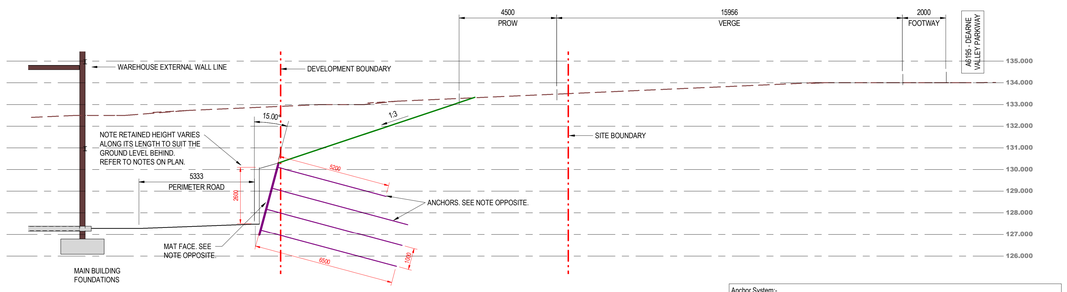


PLAN

SCALE: 1 : 200

SECTION KEY

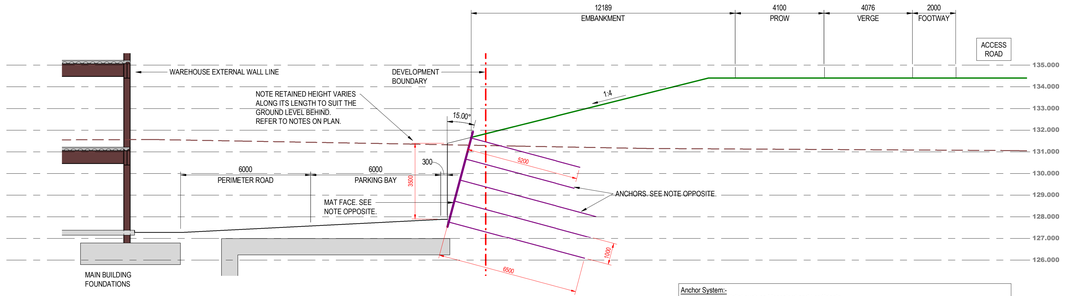
- APPROXIMATE EXISTING TOPO SURFACE PROFILE
- PROPOSED EXTERNAL GROUND PROFILE



SOIL NAIL WALL TO SOUTH TYPICAL SECTION 1-1

SCALE: 1 : 100

Anchor System:-
Designed by specialist such as Maccaferri and / or Gripple.
Anchors are likely to be Gripple Terra-Lock System Ref. TL808-TLA5-5M-*MM-Z
Depth and centres to be confirmed by specialist designer but typically at 1m centres and at depths indicated on section.
Geomat System:-
Designed by specialist such as Macaferri.
Geomat likely to be Maccaferri MacMat R Green Polimac system.



SOIL NAIL WALL TO EAST TYPICAL SECTION 2-2

SCALE: 1 : 100

Anchor System:-
Designed by specialist such as Maccaferri and / or Gripple.
Anchors are likely to be Gripple Terra-Lock System Ref. TL808-TLA5-5M-*MM-Z
Depth and centres to be confirmed by specialist designer but typically at 1m centres and at depths indicated on section.
Geomat System:-
Designed by specialist such as Macaferri.
Geomat likely to be Maccaferri MacMat R Green Polimac system.

GENERAL NOTES:

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Status: STAGE 3

Project: GATEWAY 36, BARNSLEY

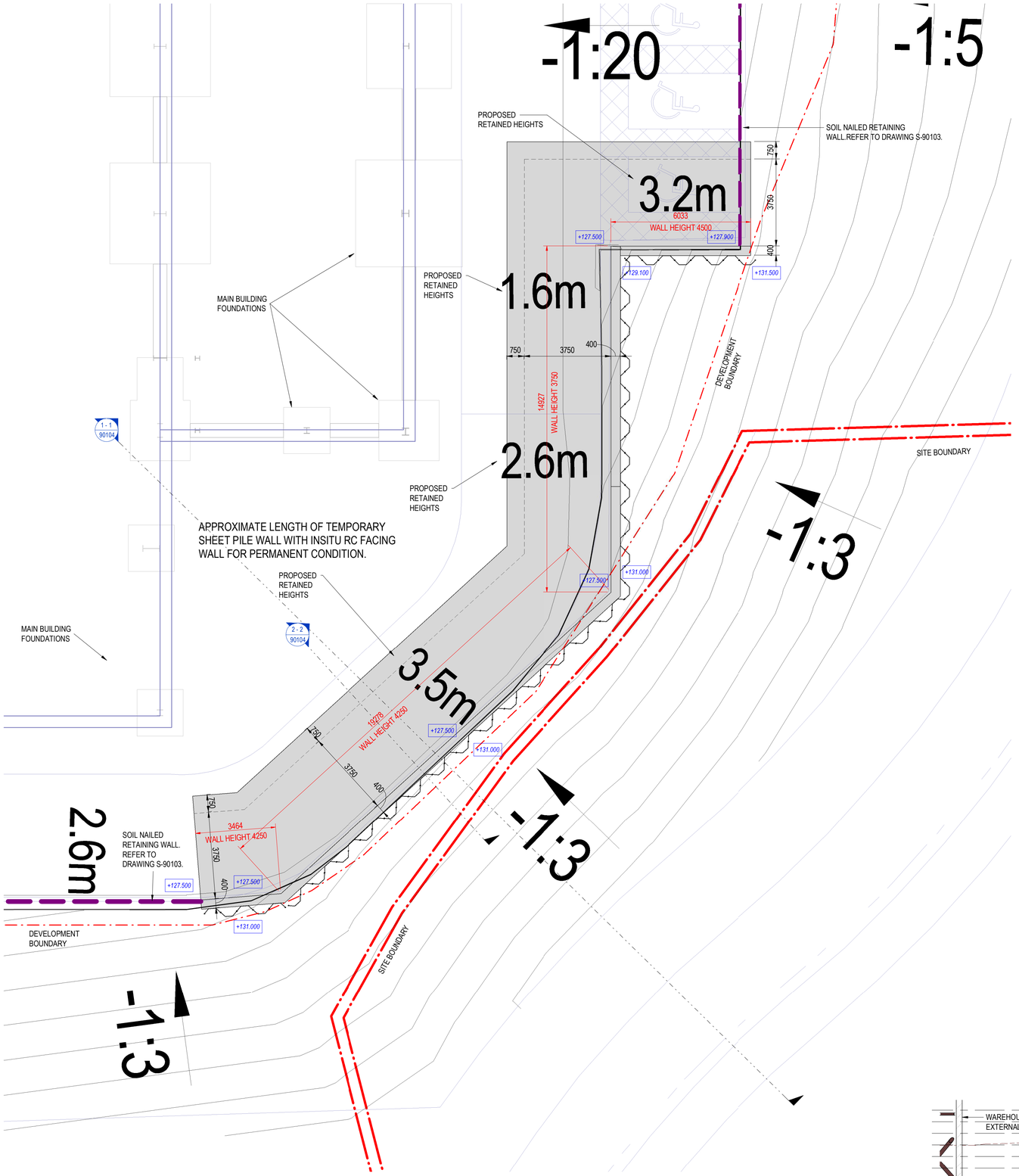
Drg Title: TYPE 3 SOIL NAILED WALL

Size:	Date:	Drawn By:	Designed By:	Checked By:
A0	FEB 2022	KE	NW	NW

Scale: As indicated

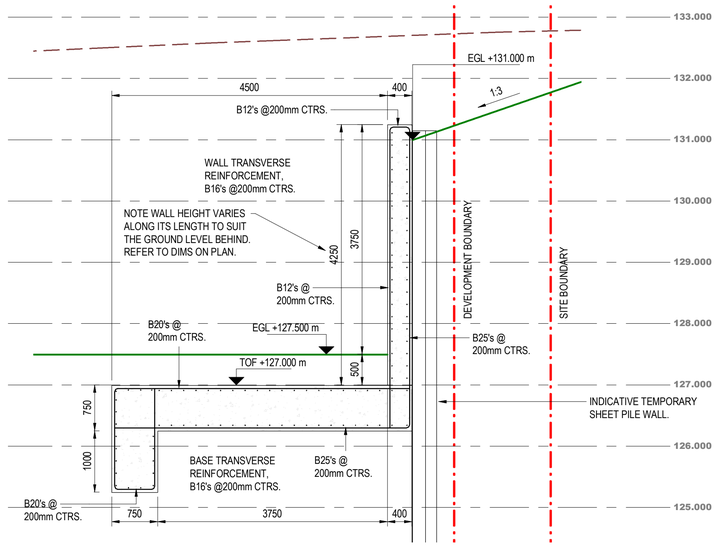
Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90103 -	P01

Model Name:XXXXX-CUR-ZZ-XX-M3-S-00101



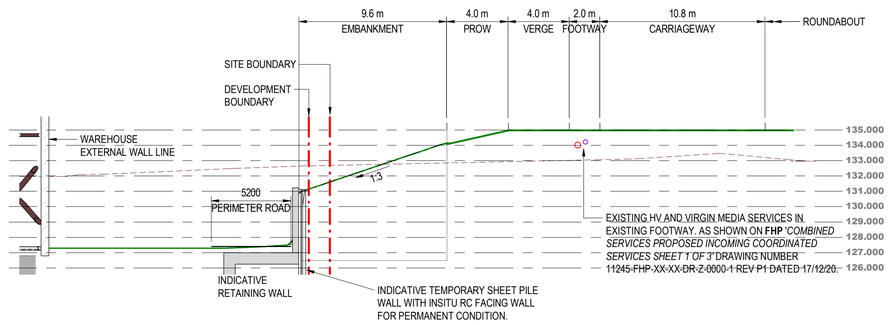
PLAN

SCALE: 1 : 100



SHEET PILED WALL INSITU RC FACING RETAINING WALL DETAILED SECTION 2-2

SCALE: 1 : 50



SHEET PILED AND IN-SITU RC WALL GA SECTION 1-1

SCALE: 1 : 200

GENERAL NOTES:

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PLAN AND SECTIONS LEVELS KEY

- PROPOSED EXTERNAL GROUND PROFILE
- PROPOSED EXTERNAL GROUND PROFILE BEYOND
- EGL +127.300 — PROPOSED EXTERNAL GROUND LEVEL ON SECTION
- +127.300 — PROPOSED EXTERNAL GROUND LEVEL ON PLAN

Rev:	Description:	Date:	By:	Chkd:
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Status: STAGE 3

Project: GATEWAY 36, BARNSLEY

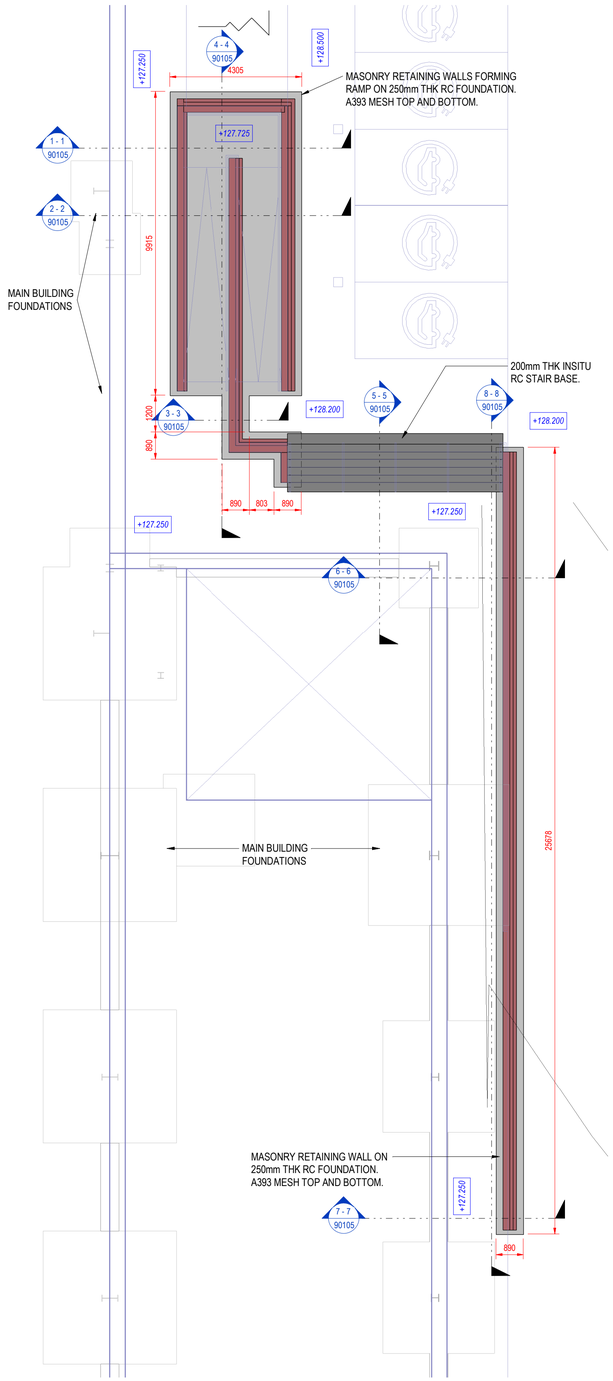
Drg Title: TYPE 4 SHEET PILED WITH INSITU RC FACING WALL

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	FEB 2022	KE	NW	NW

Scale: As indicated

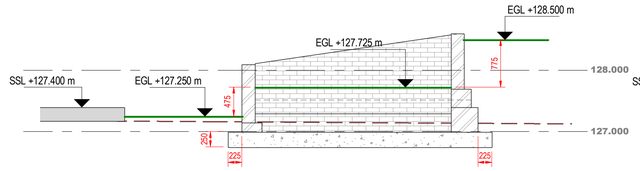
Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90104 -	P01

Model Name: XXXXXX-CUR-ZZ-XX-M3-S-00001



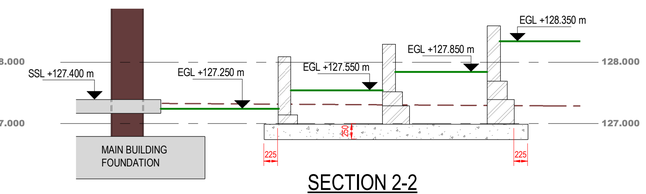
MAIN ENTRANCE AREA RETAINING WALLS PLAN

SCALE: 1 : 100



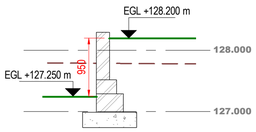
SECTION 1-1

SCALE: 1 : 50



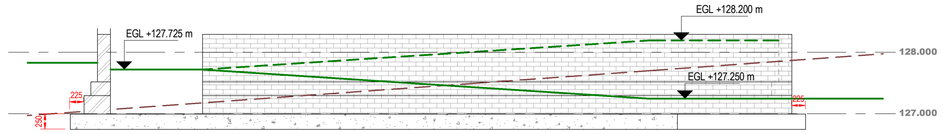
SECTION 2-2

SCALE: 1 : 50



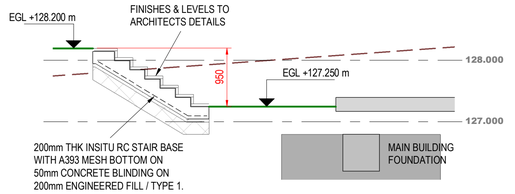
SECTION 3-3

SCALE: 1 : 50



SECTION 4-4

SCALE: 1 : 50



SECTION 5-5

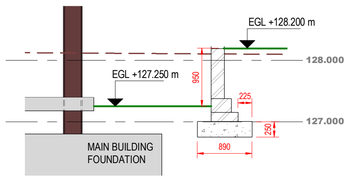
SCALE: 1 : 50

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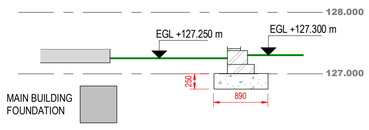
PLAN AND SECTIONS LEVELS KEY

- PROPOSED EXTERNAL GROUND PROFILE
- PROPOSED EXTERNAL GROUND PROFILE BEYOND
- EGL +127.300 — PROPOSED EXTERNAL GROUND LEVEL ON SECTION
- +127.300 — PROPOSED EXTERNAL GROUND LEVEL ON PLAN



SECTION 6-6

SCALE: 1 : 50

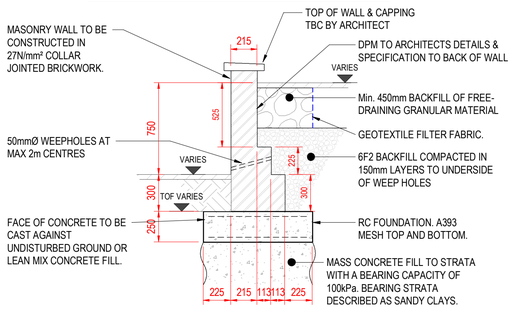


SECTION 7-7

SCALE: 1 : 50

MOVEMENT JOINTS SHOULD BE PROVIDED AT 12m CENTRES WITH THE FIRST JOINT FORMED A MAXIMUM OF 6m FROM END OF WALL.

DPM AND DPC REQUIREMENTS TO ARCHITECTS DETAILS.

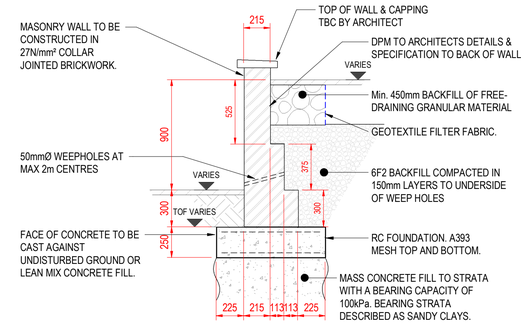


750mm MASONRY RETAINING WALL SECTION

SCALE: 1 : 25

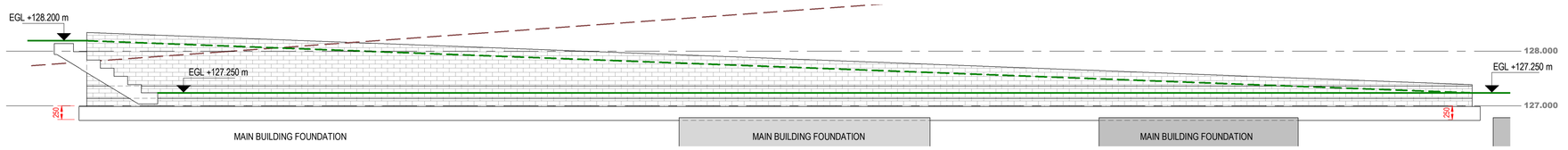
MOVEMENT JOINTS SHOULD BE PROVIDED AT 12m CENTRES WITH THE FIRST JOINT FORMED A MAXIMUM OF 6m FROM END OF WALL.

DPM AND DPC REQUIREMENTS TO ARCHITECTS DETAILS.



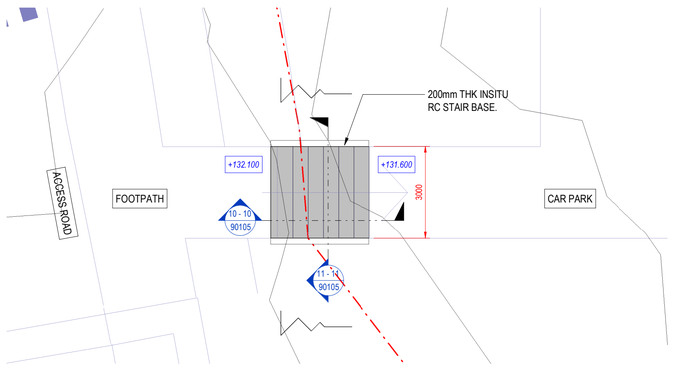
900mm MASONRY RETAINING WALL SECTION

SCALE: 1 : 25



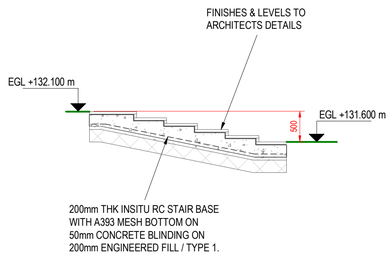
SECTION 8-8

SCALE: 1 : 50



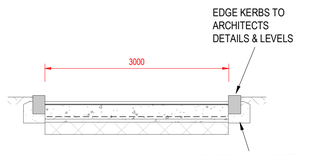
STEPS TO CAR PARK PLAN

SCALE: 1 : 100



SECTION 10-10

SCALE: 1 : 50



SECTION 11-11

SCALE: 1 : 50

Rev:	Description:	Date:	By:	Chkd:
P01	STAGE 3 ISSUE	04.03.22	KE	NW

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Status: STAGE 3

Project: GATEWAY 36, BARNSLEY

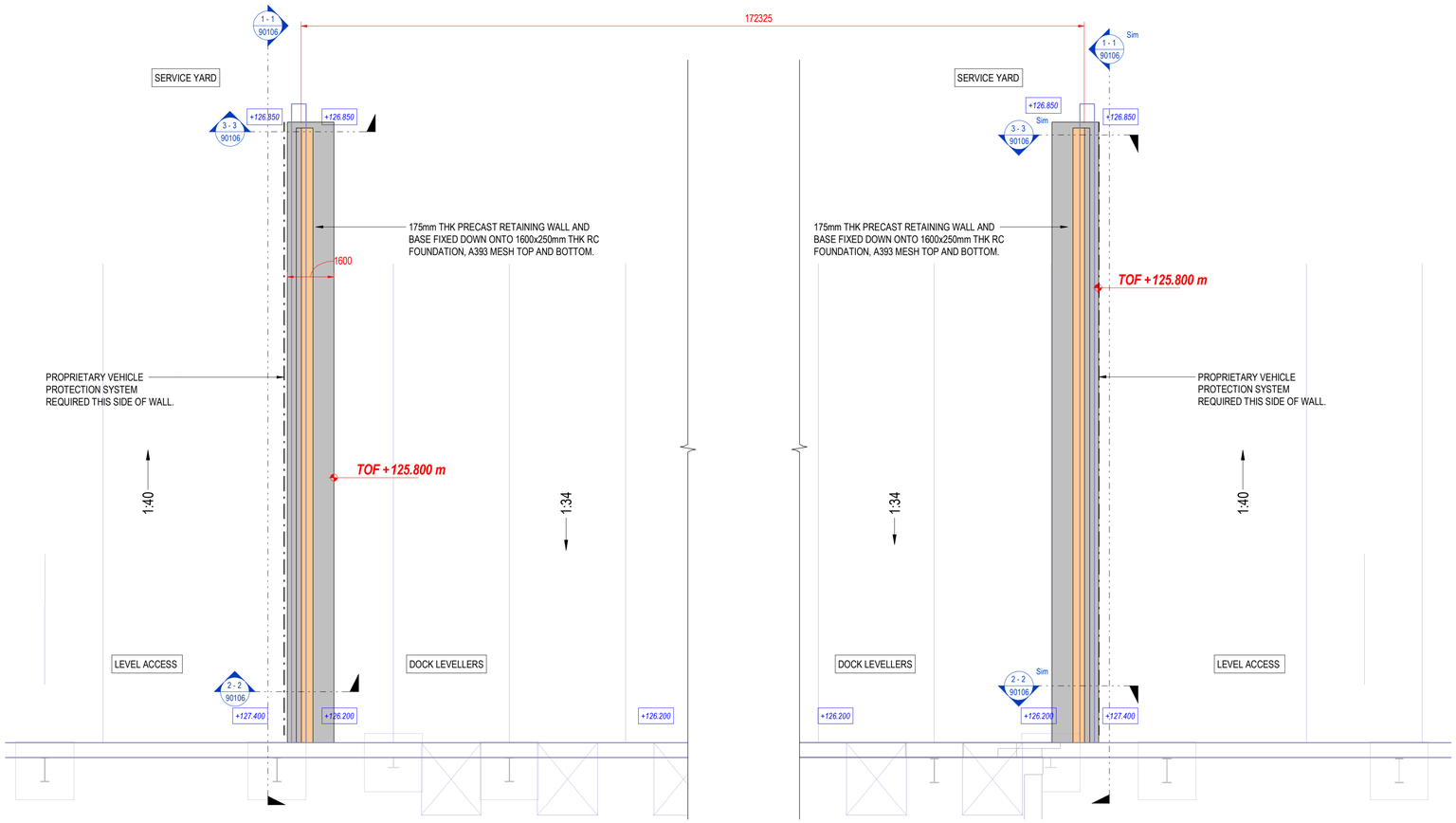
Drg Title: TYPE 5 MAIN ENTRANCE AREA INSITU RC RETAINING WALLS & TYPE 6 INSITU RC STEPS TO CAR PARK

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	FEB 2022	KE	NW	NW

Scale: As indicated

Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90105 -	P01

Model Name:XXXXXX-CUR-ZZ-XX-M3-S-00001

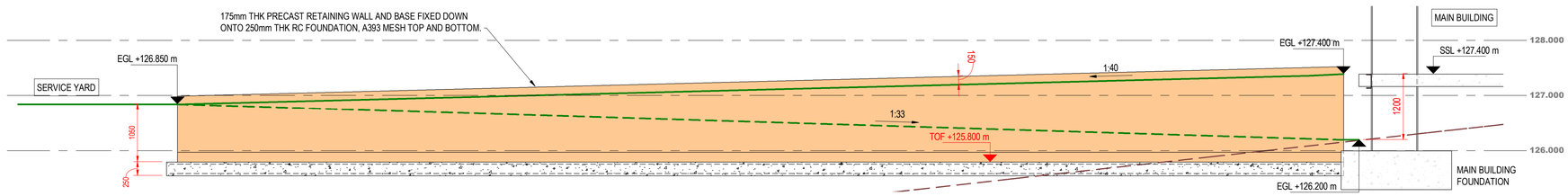


PLAN AND SECTIONS LEVELS KEY

- PROPOSED EXTERNAL GROUND PROFILE
- PROPOSED EXTERNAL GROUND PROFILE BEYOND
- EGL +127.300 — PROPOSED EXTERNAL GROUND LEVEL ON SECTION
- +127.300 — PROPOSED EXTERNAL GROUND LEVEL ON PLAN

TYPE 7 SERVICE YARD RETAINING WALLS

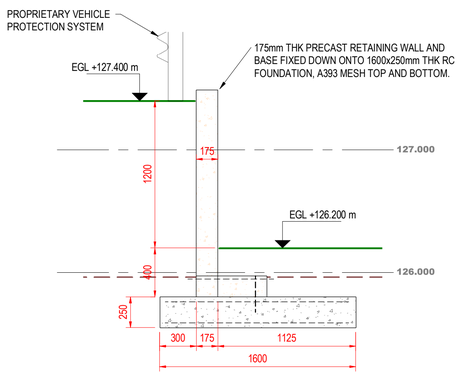
SCALE: 1 : 100



SECTION 1-1

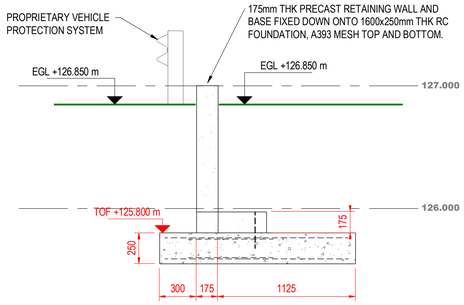
SCALE: 1 : 50

(2 No THUS, 1No. HANDED)



SECTION 2-2

SCALE: 1 : 25



SECTION 3-3

SCALE: 1 : 25

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND SPECIFICATIONS.
2. DO NOT SCALE THIS DRAWING. ANY AMBIGUITIES, OMISSIONS AND ERRORS ON DRAWINGS SHALL BE BROUGHT TO THE ENGINEERS ATTENTION IMMEDIATELY. ALL DIMENSIONS MUST BE CHECKED / VERIFIED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
4. FOR GENERAL NOTES REFER TO DRAWING 079577-CUR-ZZ-DR-S-20001.

Rev:	Description:	Date:	By:	Chkd:
P02	UPDATED STAGE 3 ISSUE	31.03.22	KE	NW
P01	STAGE 3 ISSUE	04.03.22	KE	NW

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Status: STAGE 3

Project: GATEWAY 36, BARNSLEY

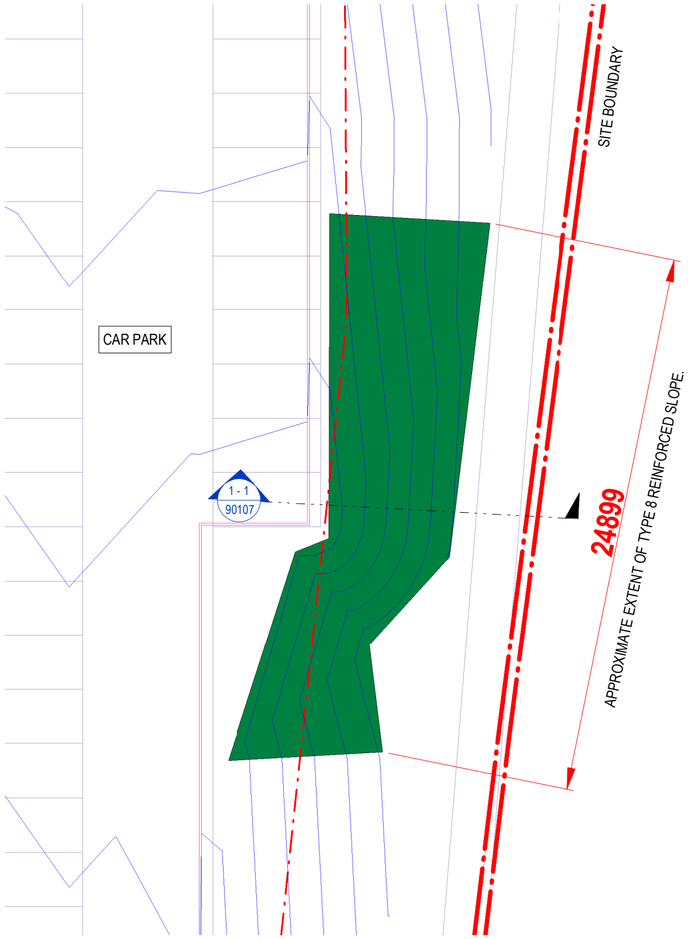
Drg Title: TYPE 7 SERVICE YARD PRECAST RETAINING WALLS

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	FEB 2022	KE	NW	NW

Scale: As indicated

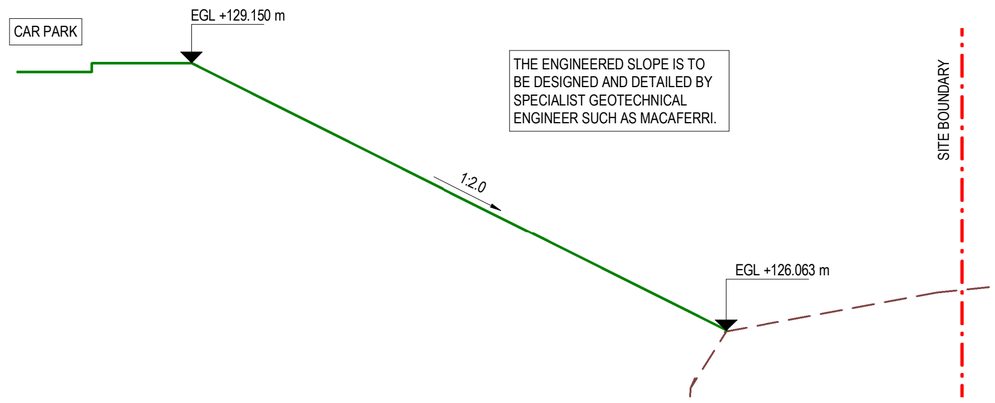
Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90106 -	P02

Model Name: XXXXXX-CUR-ZZ-XX-M3-S-00001



PLAN

SCALE: 1 : 200



SECTION 1-1

SCALE: 1 : 50

GENERAL NOTES:

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SECTION KEY

- APPROXIMATE EXISTING TOPO SURFACE PROFILE
- PROPOSED EXTERNAL GROUND PROFILE
- EGL +127.300 — PROPOSED EXTERNAL GROUND LEVEL ON SECTION

Rev:	Description:	Date:	By:	Chkd:
P01	STAGE 3 ISSUE	31.03.22	KE	NW

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Status: STAGE 3

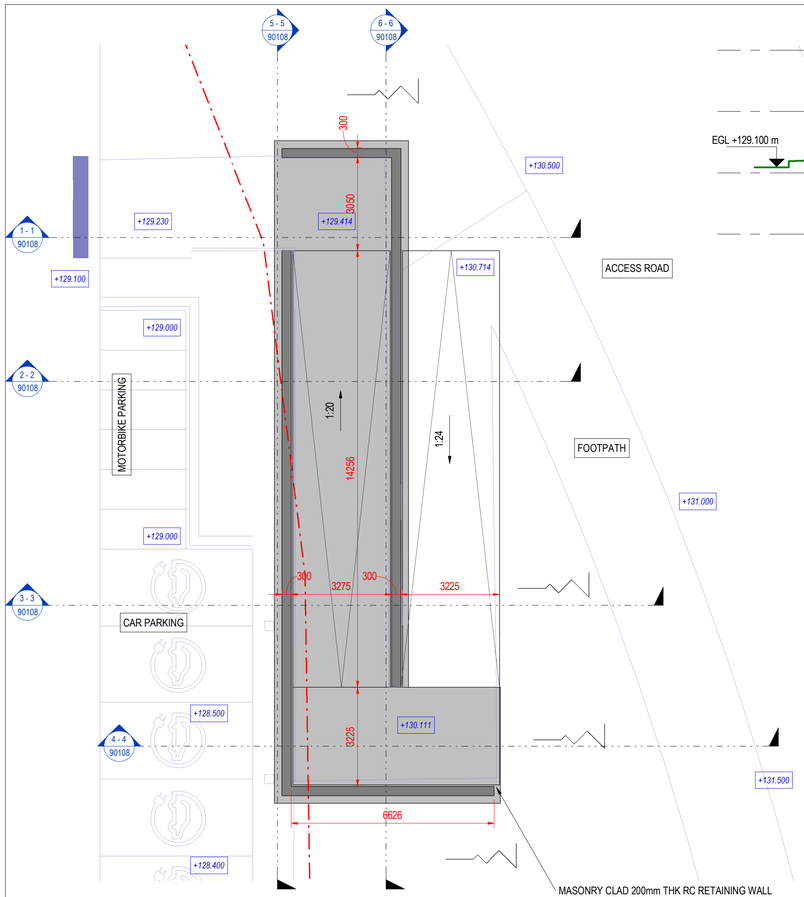
Project: GATEWAY 36, BARNSLEY

Drg Title: TYPE 8 REINFORCED SLOPE

Size:	Date:	Drawn By:	Designed By:	Checked By:
A2	MARCH 2022	KE	NW	NW
Scale: As indicated				

Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90107 -	P01

Model Name:XXXXXX-CUR-ZZ-XX-M3-S-00001

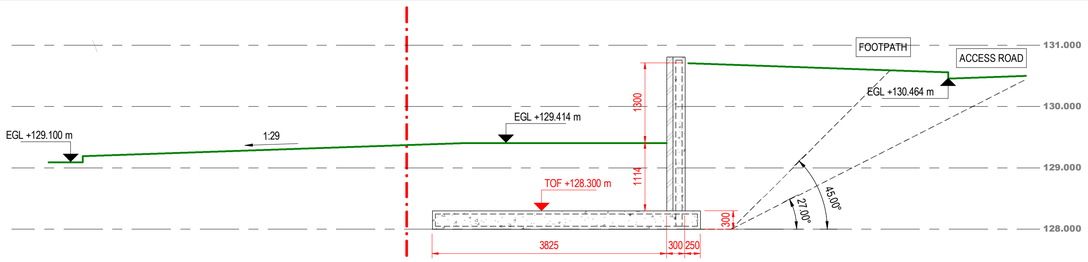


ACCESS RAMP RETAINING WALL PLAN

SCALE: 1 : 100

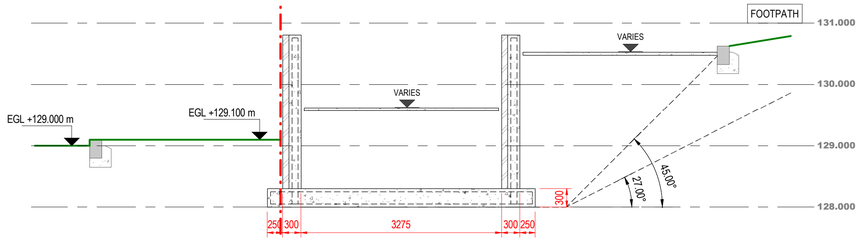
MASONRY CLAD 200mm THK RC RETAINING WALL FORMING RAMP ON 300mm THK RC FOUNDATION.
REINFORCEMENT.
WALL: B12'S @150mm CTRS EACH WAY EACH FACE.
BASE: B12'S @150mm CTRS EACH WAY TOP AND BOTTOM.

SECTIONS 1-1 TO 6-6 TO BE UPDATED TO SUIT THE TYPICAL RETAINING WALL DETAIL WHEN LEVELS AND SETTING-OUT IS CONFIRMED PRIOR TO CONSTRUATION ISSUE.



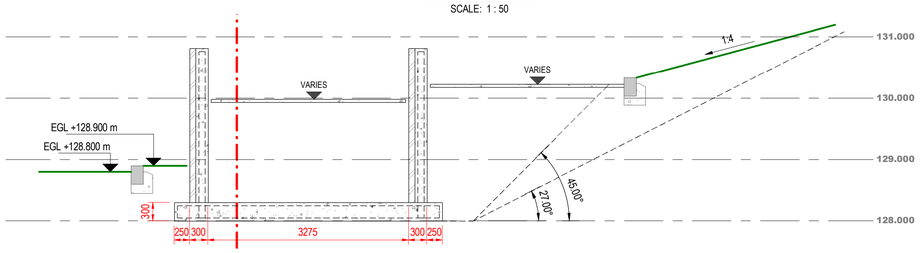
SECTION 1-1

SCALE: 1 : 50



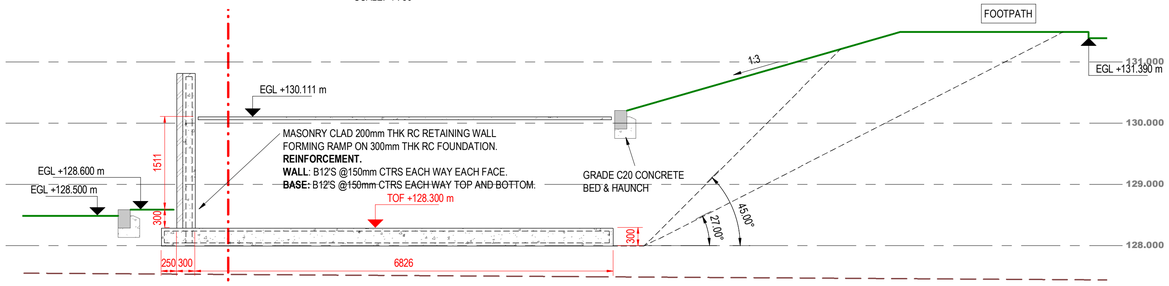
SECTION 2-2

SCALE: 1 : 50



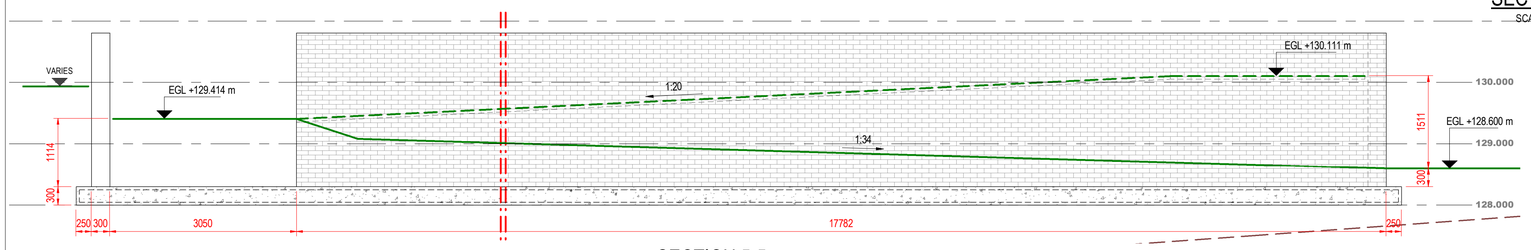
SECTION 3-3

SCALE: 1 : 50



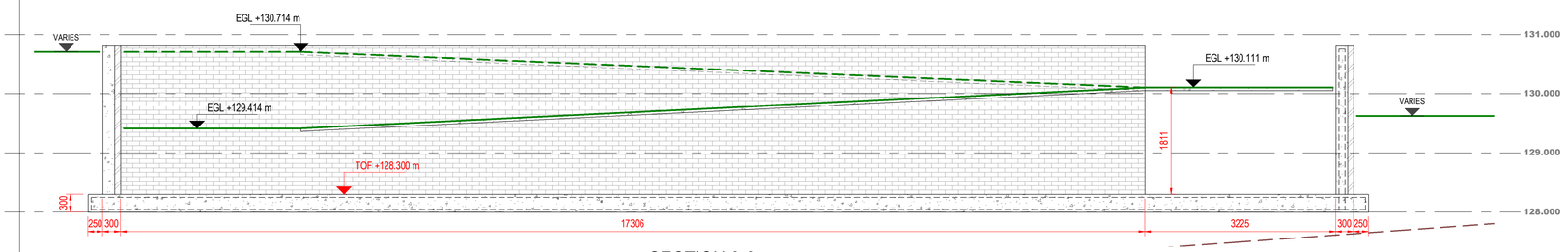
SECTION 4-4

SCALE: 1 : 50



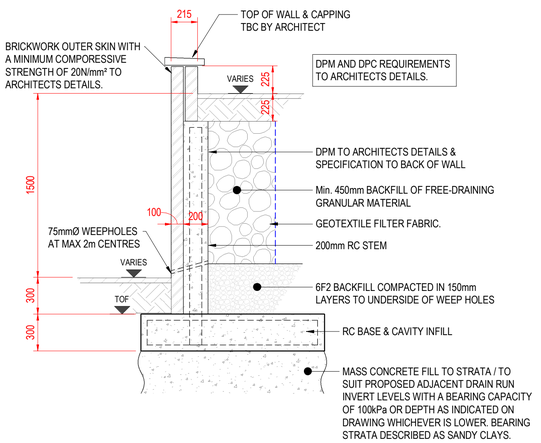
SECTION 5-5

SCALE: 1 : 50



SECTION 6-6

SCALE: 1 : 50



1500mm HIGH RC RETAINING WALL

SCALE: 1 : 25

GENERAL NOTES:

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- +127.300 — PROPOSED EXTERNAL GROUND LEVEL ON PLAN

Rev:	Description:	Date:	By:	Chkd:
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Status: STAGE 3

Project: GATEWAY 36, BARNSLEY

Drg Title: TYPE 9 ACCESS RAMP RETAINING WALLS

Size:	Date:	Drawn By:	Designed By:	Checked By:
A1	MARCH 2022	KE	NW	NW

Scale: As indicated

Project No:	Originator:	Volume:	Level:	Type:	Role:	Category / Number:	Rev:
079577 -	CUR -	ZZ -	XX -	DR -	S -	90108 -	P01

Model Name:XXXXXX-CUR-ZZ-XX-M3-S-00001