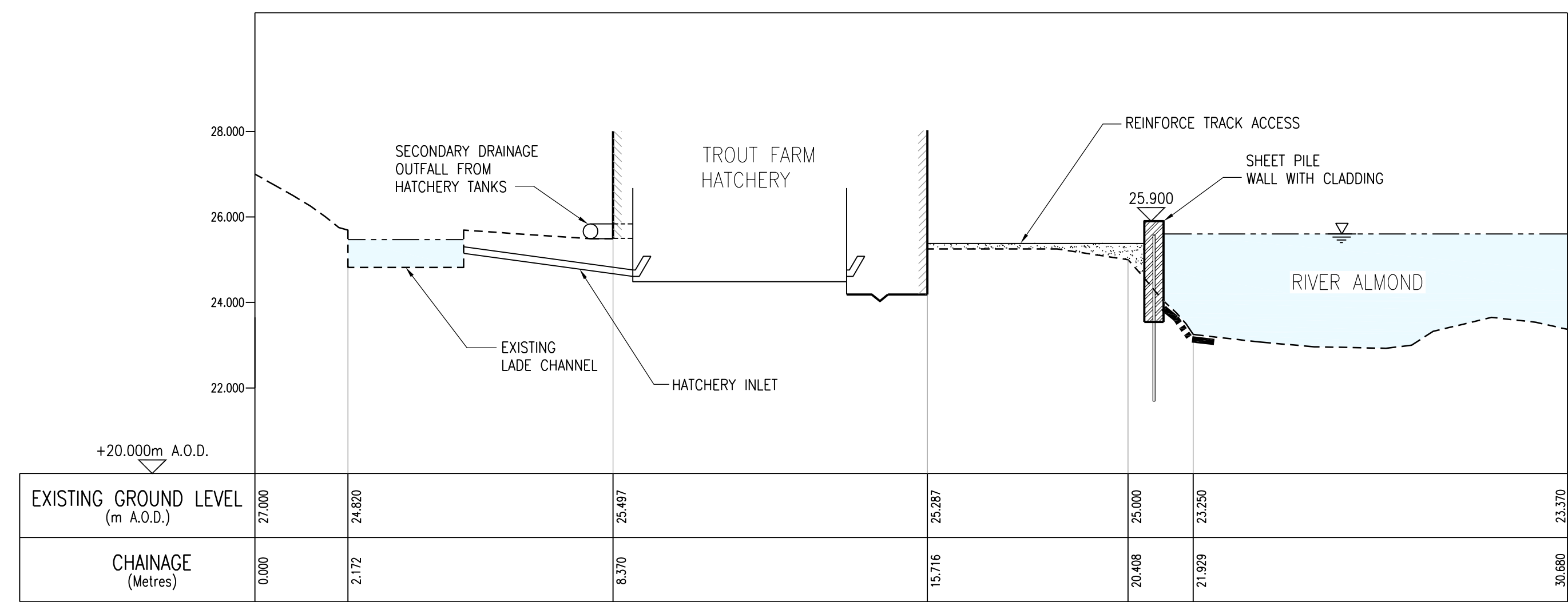
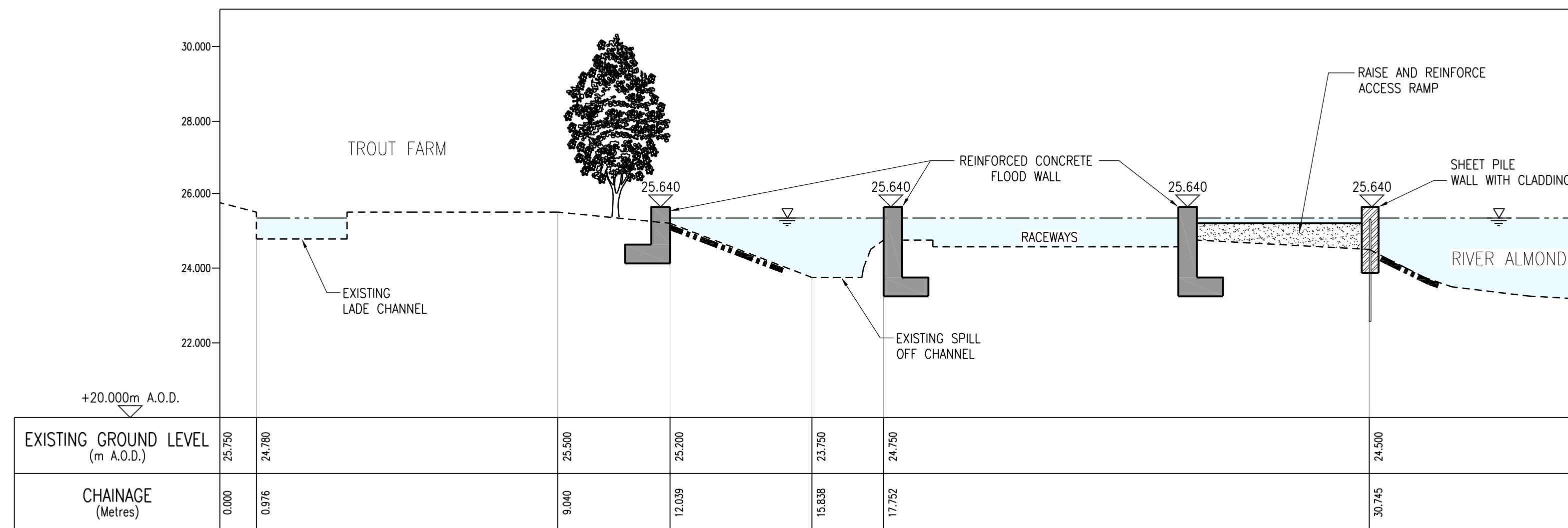


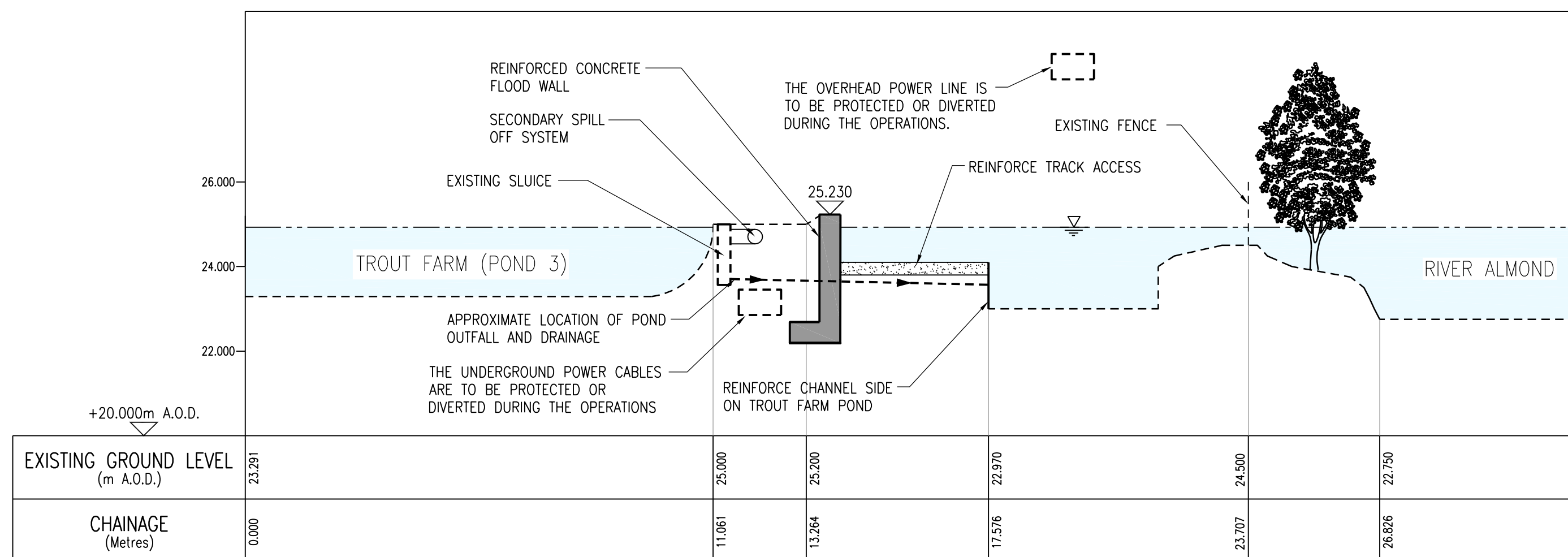
CROSS-SECTION 1-1
RIVER ALMOND LEFT BANK



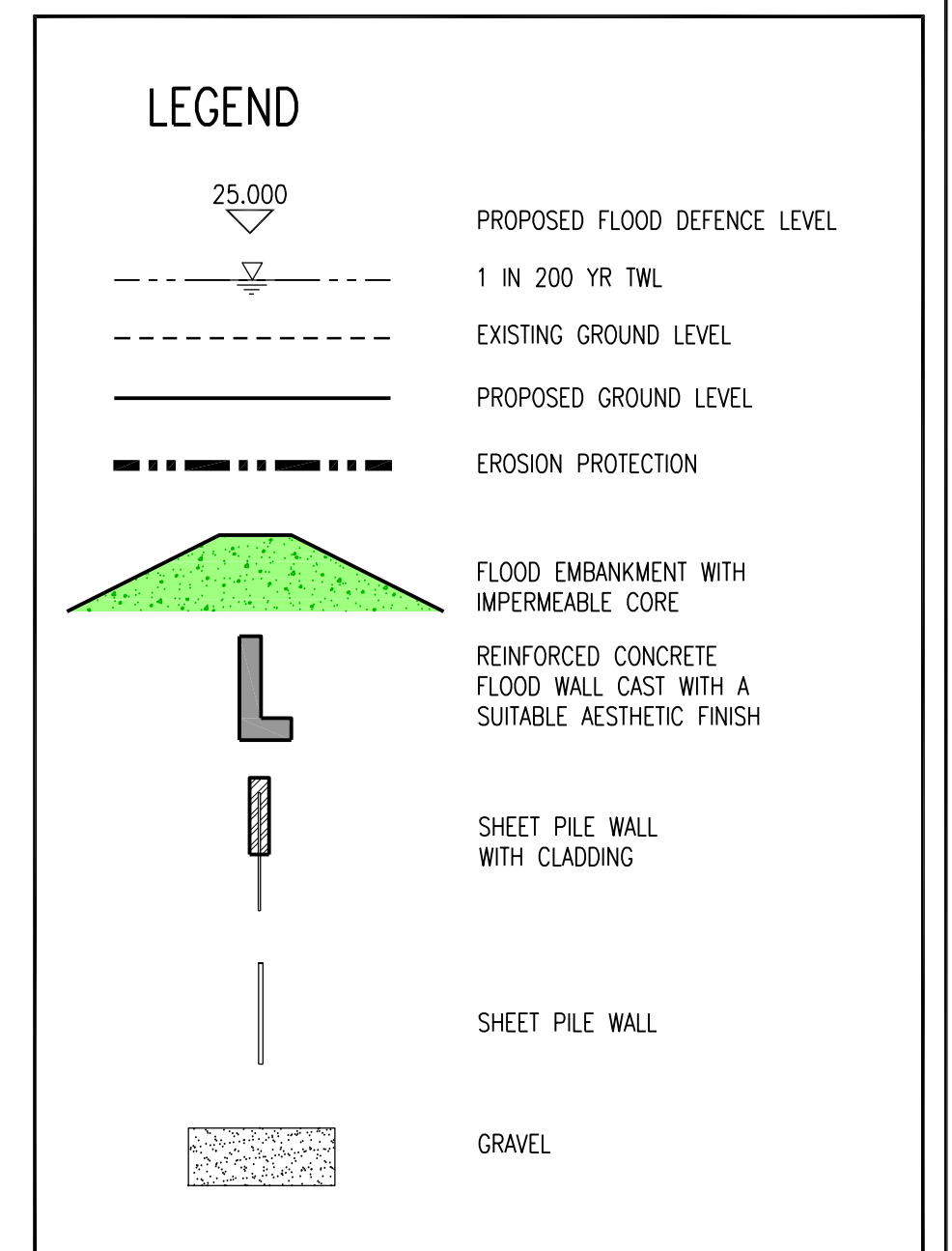
CROSS-SECTION 2-2
RIVER ALMOND LEFT BANK



CROSS-SECTION 3-3
RIVER ALMOND LEFT BANK



CROSS-SECTION 4-4
RIVER ALMOND LEFT BANK

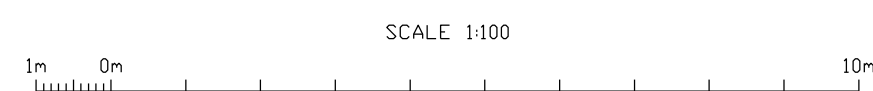


DRAWING REFERENCES

716516/AFO/201 - FLOOD PROTECTION OPERATIONS SHEET 2 OF 15 - COLLEGE MILL TROUT FARM
716516/AFO/202 - FLOOD PROTECTION OPERATIONS SHEET 3 OF 15 - COLLEGE MILL TROUT FARM
716516/AFO/203 - FLOOD PROTECTION OPERATIONS SHEET 4 OF 15 - COLLEGE MILL TROUT FARM

THIS IS THE PLAN MARKED **716516/AFO/301** REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

PROPER OFFICER
 (Signature)
 FOR PERTH AND KINROSS COUNCIL
 (date)



NOTES

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B	FOR INFORMATION	M.CHAMBERS 15.02.13	P.LAMBERT 15.02.13	N.COOKIE 15.02.13
A	FOR INFORMATION	S.MCDULLOCH MAY 2012	M.CHAMBERS MAY 2012	N.COOKIE MAY 2012
Version	Amendment	Drawn Date	Checked Date	Approved Date

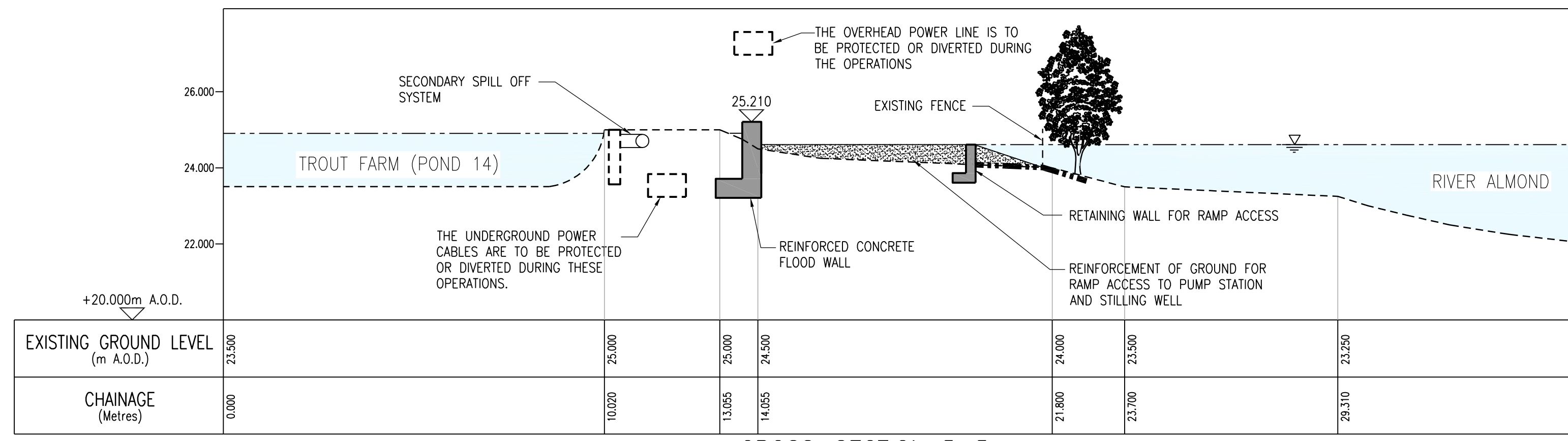
Project ALMONDBANK FLOOD PROTECTION SCHEME
 Drawing Title **FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 1 OF 11**



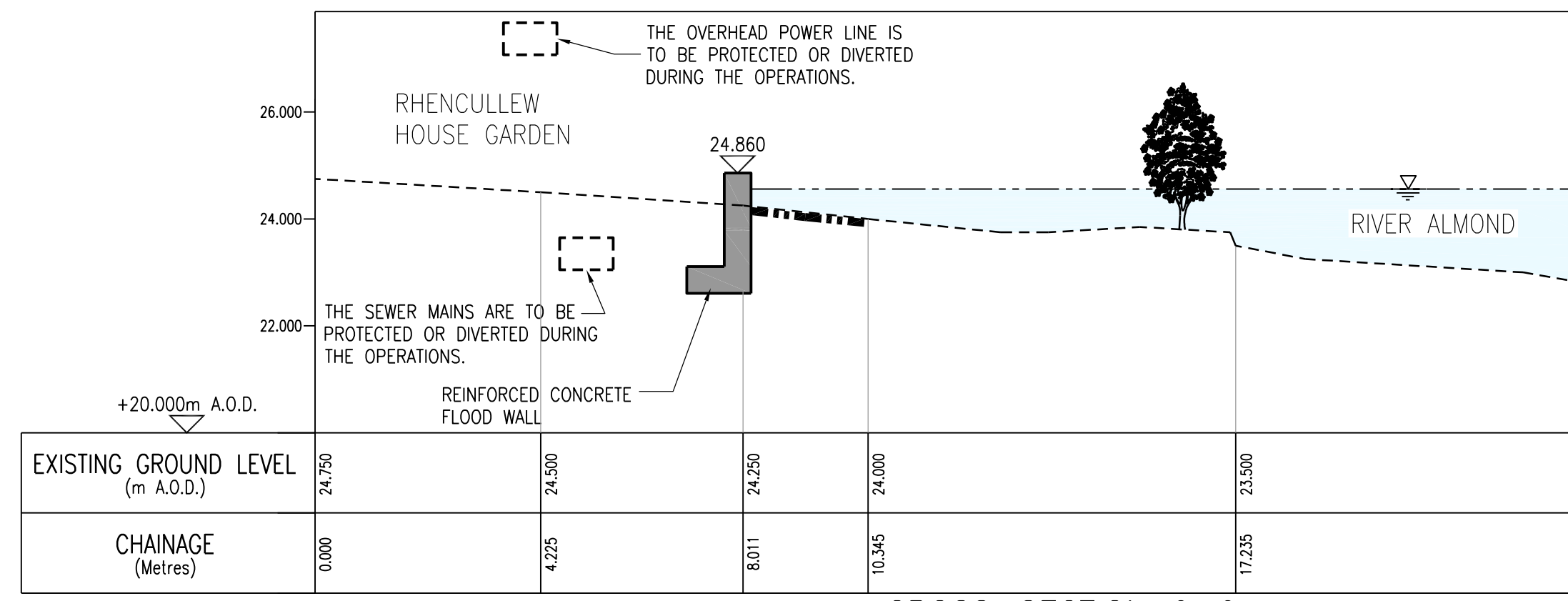
mouchel building great relationships

Office LIVERPOOL Tel No (0151) 237-4200

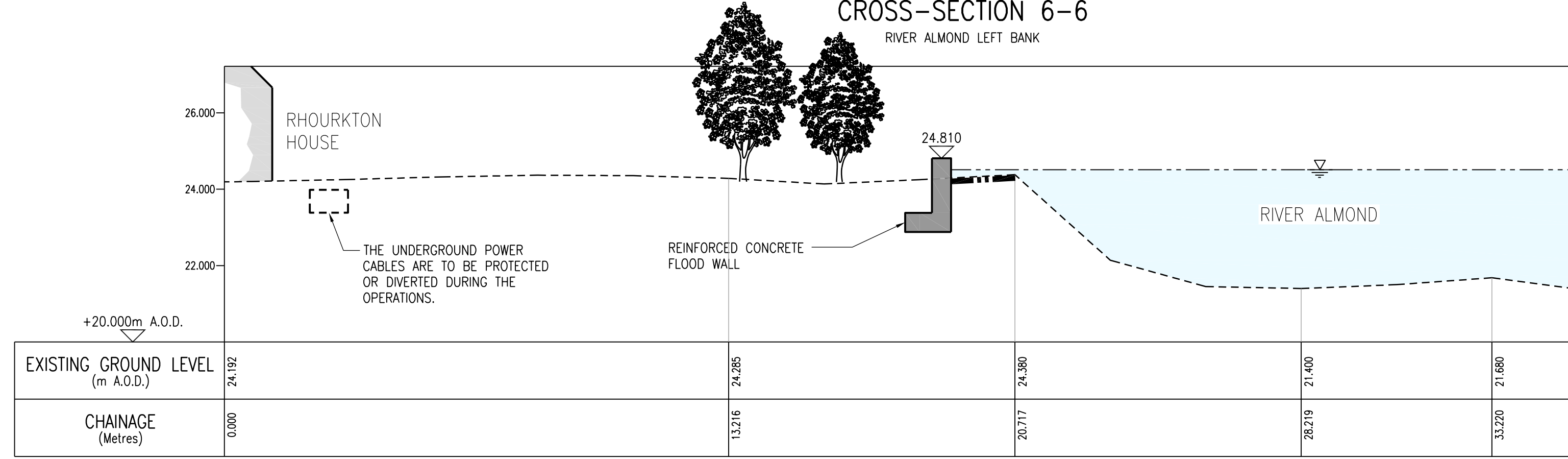
Scales (at A1 size) 1:100
 Purpose of Issue FLOOD PROTECTION OPERATIONS
 Drawing No 716516/AFO/301 Version E



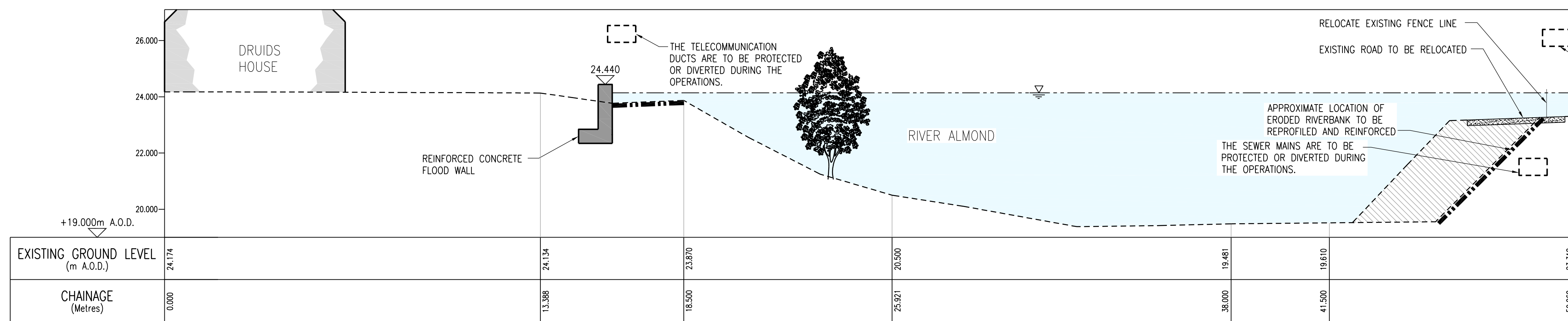
CROSS-SECTION 5-5
RIVER ALMOND LEFT BANK



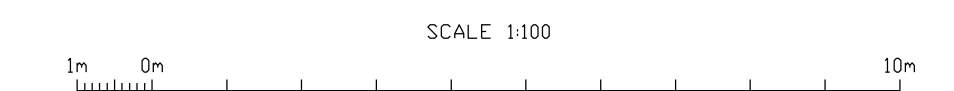
CROSS-SECTION 6-6
RIVER ALMOND LEFT BANK



CROSS-SECTION 7-7
RIVER ALMOND LEFT BANK



CROSS-SECTION 8-8 RIVER ALMOND



LEGEND

- 25.000 PROPOSED FLOOD DEFENCE LEVEL
- 1 IN 200 YR TWL
- EXISTING GROUND LEVEL
- PROPOSED GROUND LEVEL
- EROSION PROTECTION
- FLOOD EMBANKMENT WITH IMPERMEABLE CORE
- REINFORCED CONCRETE FLOOD WALL CAST WITH A SUITABLE AESTHETIC FINISH
- SHEET PILE WALL WITH CLADDING
- SHEET PILE WALL
- GRAVEL
- AREA OF EROSION

DRAWING REFERENCES

- 716516/AF0/204 - FLOOD PROTECTION OPERATIONS SHEET 5 OF 15 TROUT FARM, BOWLING GREEN & PLAYING FIELD FLOOD STORAGE AREA
- 716516/AF0/205 - FLOOD PROTECTION OPERATIONS SHEET 6 OF 15 PLAYING FIELD FLOOD STORAGE AREA

THIS IS THE PLAN MARKED **716516/AF0/302** REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

PROPER OFFICER
.....
(Signature)
FOR PERTH AND KINROSS COUNCIL
.....
(date)

- NOTES**
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A	FOR INFORMATION	S.MCDULLOCH MAY 2012	M.CHAMBERS MAY 2012	N.COOKE MAY 2012
Version	Amendment	Drawn Date	Checked Date	Approved Date

Project: ALMONDBANK FLOOD PROTECTION SCHEME

Drawing Title: FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 2 OF 11

Client:

Office: LIVERPOOL

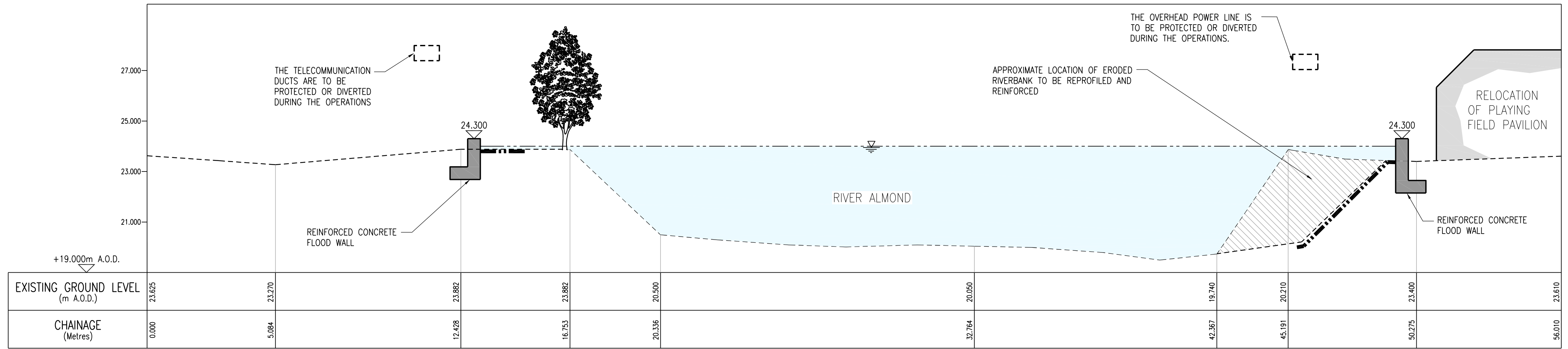
Tel No: (0151) 237-4200

Drawing No: 716516/AF0/302

Version: E

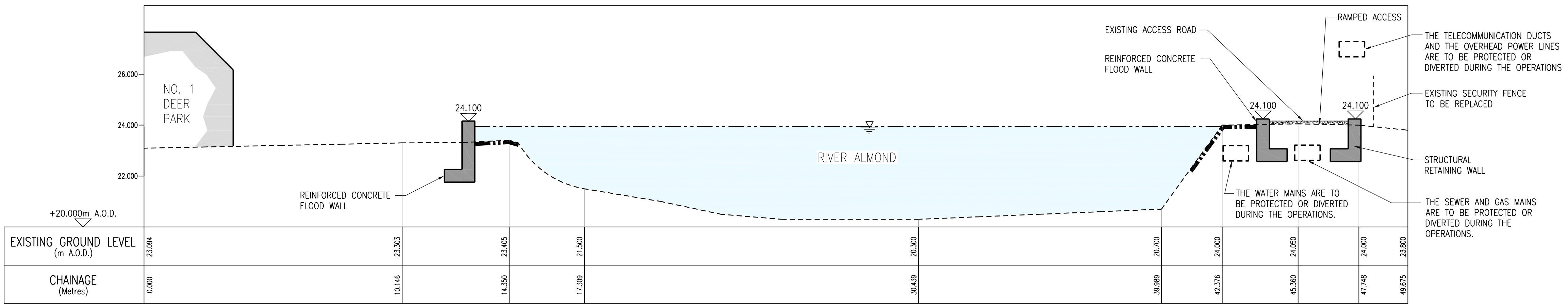
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Purpose of Issue: FLOOD PROTECTION OPERATIONS



CROSS-SECTION 9-9
RIVER ALMOND

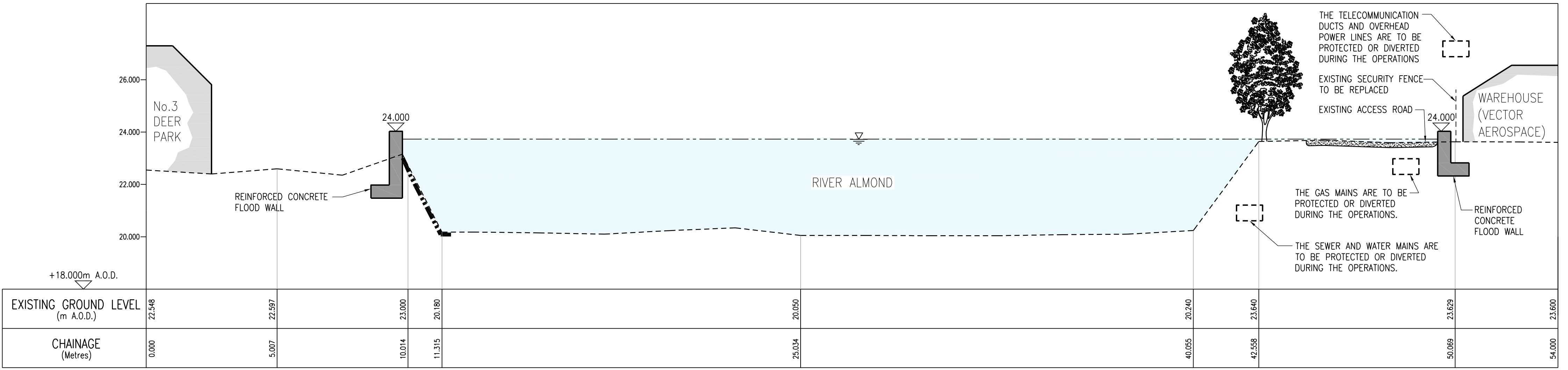
SCALE 1:100
1m 0m 10m



CROSS-SECTION 10-10
RIVER ALMOND

LEGEND

- PROPOSED FLOOD DEFENCE LEVEL
- 1 IN 200 YR TWL
- EXISTING GROUND LEVEL
- PROPOSED GROUND LEVEL
- EROSION PROTECTION
- FLOOD EMBANKMENT WITH IMPERMEABLE CORE
- REINFORCED CONCRETE FLOOD WALL CAST WITH A SUITABLE AESTHETIC FINISH
- SHEET PILE WALL WITH CLADDING
- SHEET PILE WALL
- GRAVEL
- AREA OF EROSION



CROSS-SECTION 11-11
RIVER ALMOND

DRAWING REFERENCES

- 716516/AFO/204 - FLOOD PROTECTION OPERATIONS SHEET 5 OF 15 - TROUT FARM, BOWLING GREEN & PLAYING FIELD FLOOD STORAGE AREA.
- 716516/AFO/206 - FLOOD PROTECTION OPERATIONS SHEET 7 OF 15 - VECTOR AEROSPACE AND PLAYING FIELD FLOOD STORAGE AREA
- 716516/AFO/207 - FLOOD PROTECTION OPERATIONS SHEET 8 OF 15 - RIVER ALMOND FOOTBRIDGE
- 716516/AFO/208 - FLOOD PROTECTION OPERATIONS SHEET 9 OF 15 - DEER PARK & VECTOR AEROSPACE

THIS IS THE PLAN MARKED **716516/AFO/303** REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

PROPER OFFICER

(Signature)

FOR PERTH AND KINROSS COUNCIL

(date)

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Version	Amendment	Drawn Date	Checked Date	Approved Date

Project: ALMONDBANK FLOOD PROTECTION SCHEME

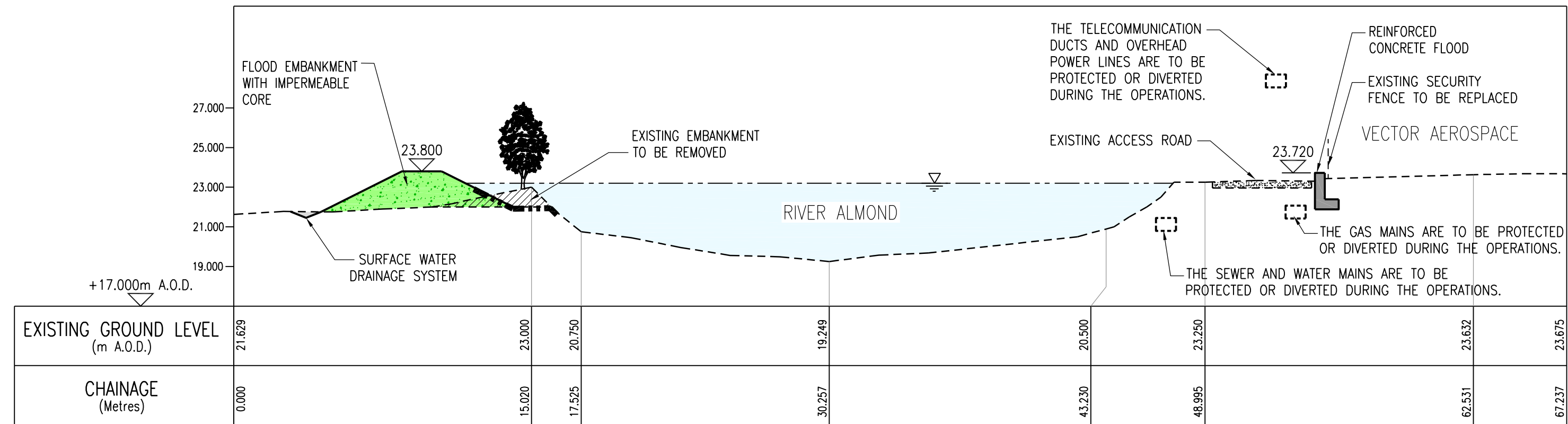
Drawing Title: FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 3 OF 11

Client: PERTH & KINROSS COUNCIL

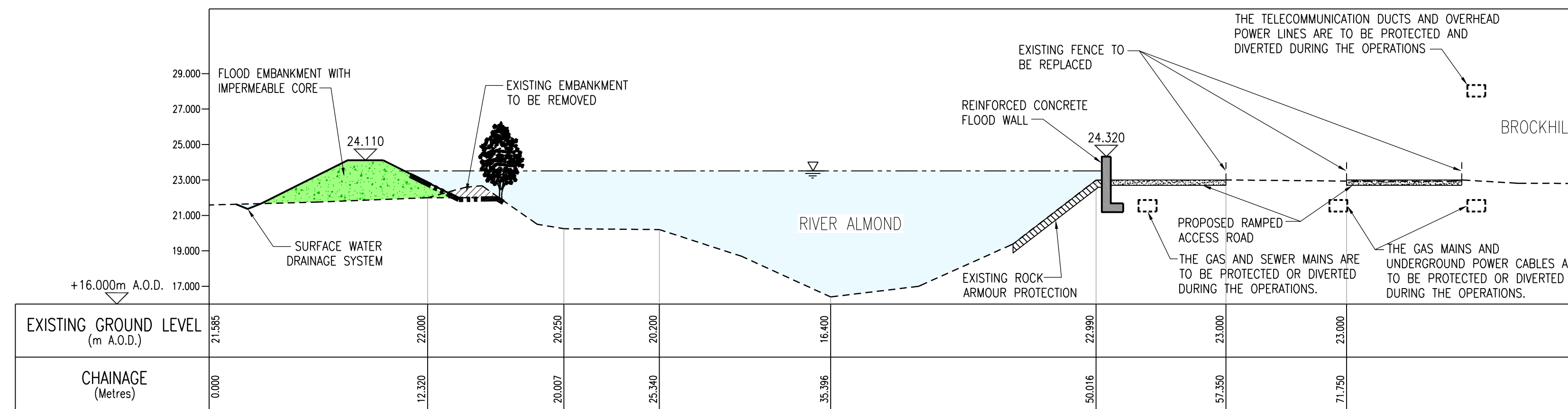
mouchel building great relationships

Office: LIVERPOOL | Tel No: (0151) 237-4200 | Drawing No: 716516/AFO/303 | Version: E

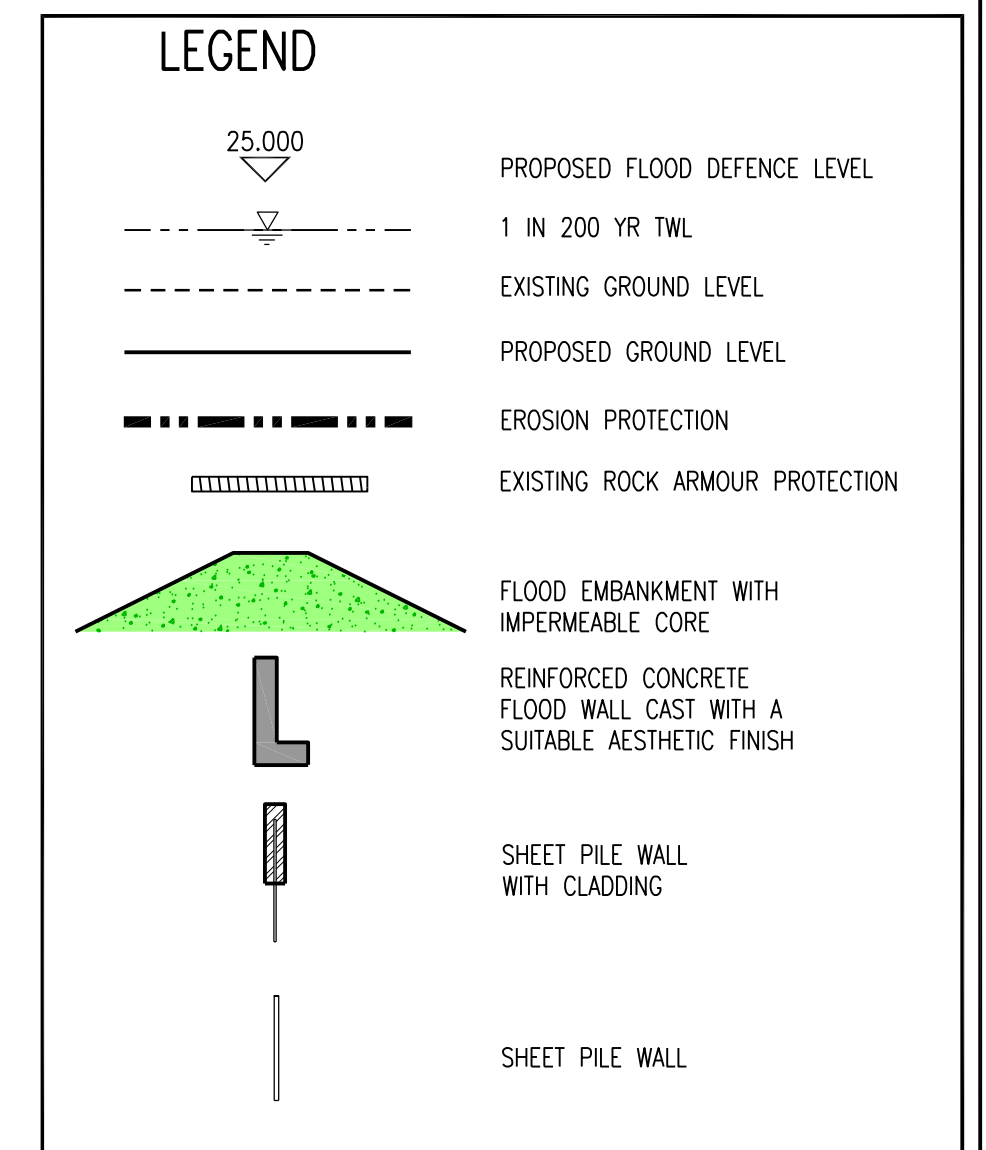
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Purpose of Issue: FLOOD PROTECTION OPERATIONS



CROSS-SECTION 12-12
RIVER ALMOND



CROSS-SECTION 13-13
RIVER ALMOND

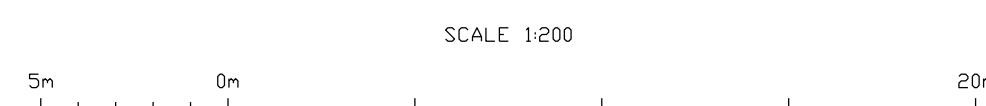


DRAWING REFERENCES

- 716516/AF0/208 - FLOOD PROTECTION OPERATIONS SHEET 9 OF 15 - DEER PARK & VECTOR AEROSPACE
- 716516/AF0/212 - FLOOD PROTECTION OPERATIONS SHEET 11 OF 15 - CONFLUENCE OF RIVER ALMOND & EAST POW BURN
- 716516/AF0/213 - FLOOD PROTECTION OPERATIONS SHEET 12 OF 15 - CONFLUENCE OF RIVER ALMOND & EAST POW BURN

THIS IS THE PLAN MARKED 716516/AF0/304 REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

PROPER OFFICER
 (Signature)
 FOR PERTH AND KINROSS COUNCIL
 (date)



NOTES

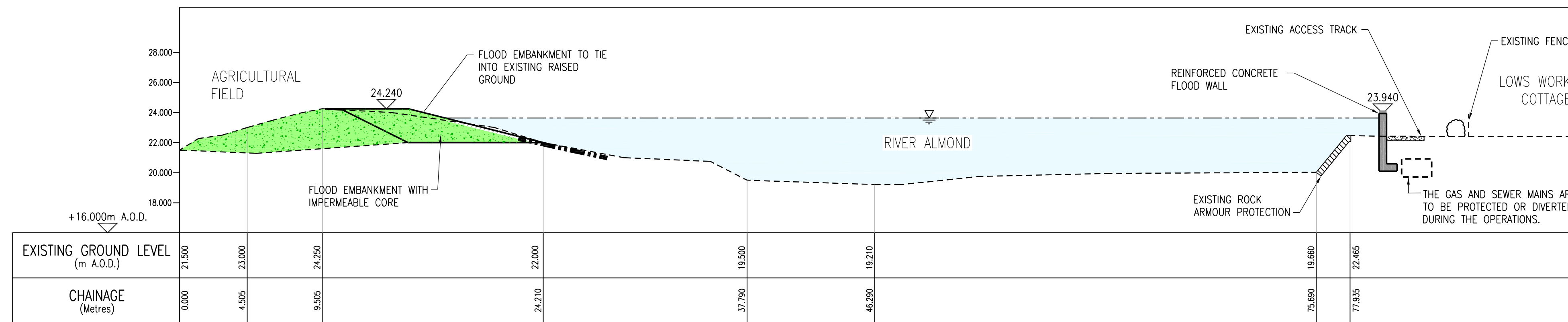
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Version	Amendment	Drawn Date	Checked Date	Approved Date

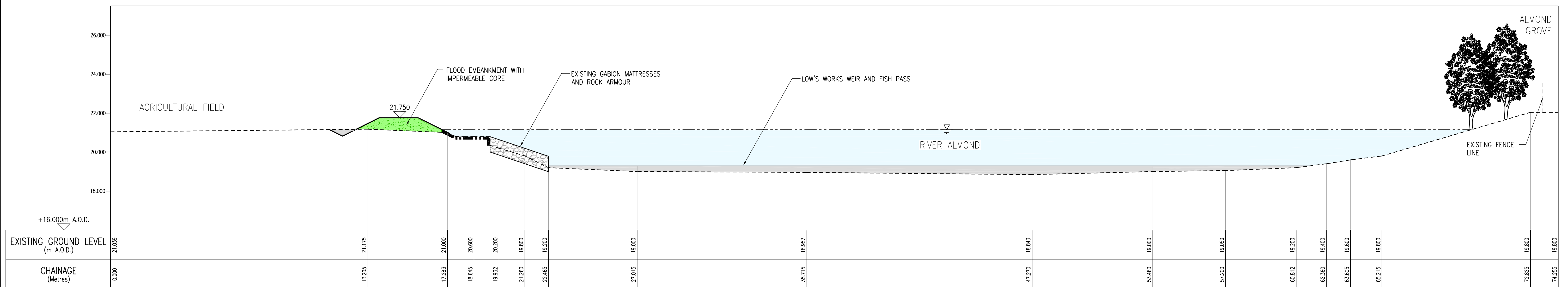
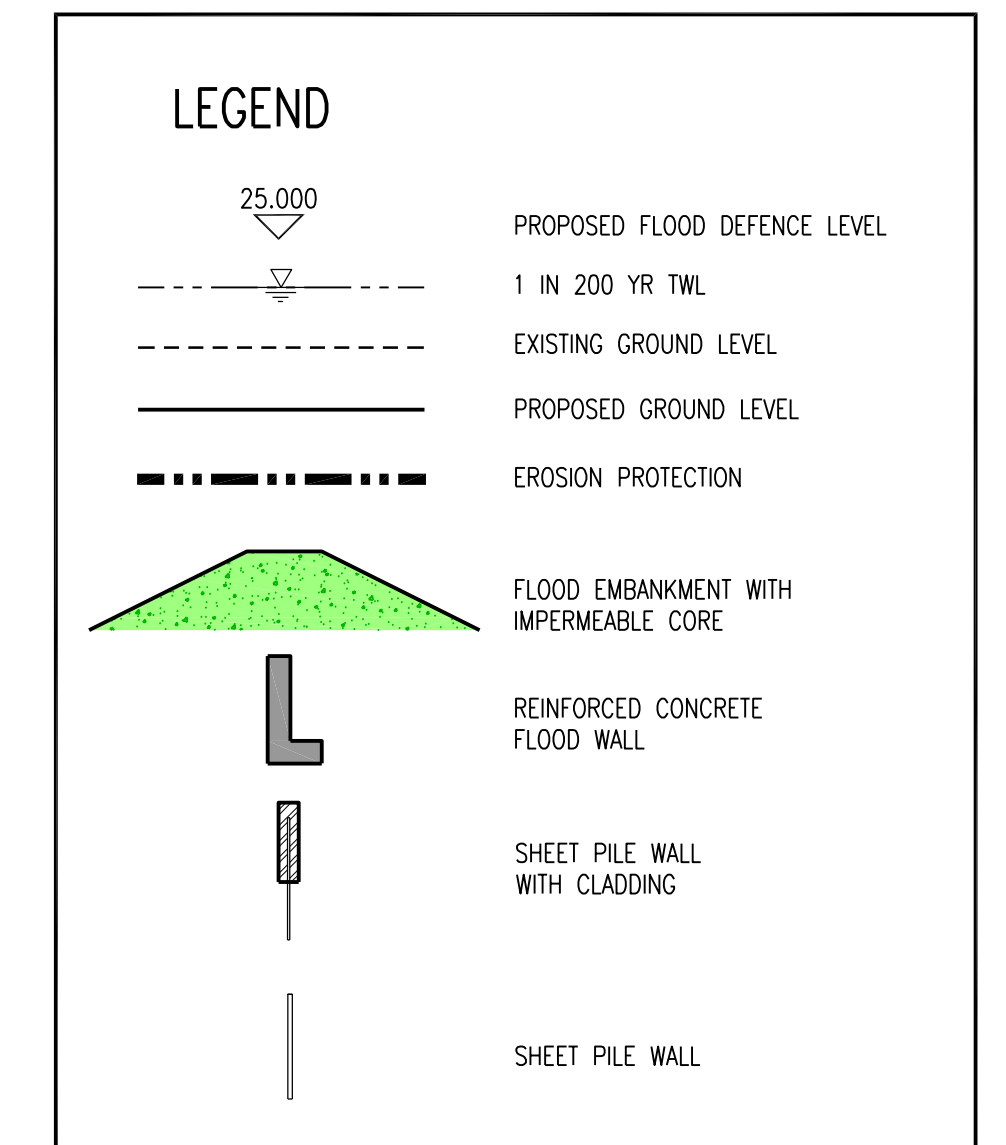
Project ALMONDBANK FLOOD PROTECTION SCHEME
 Drawing Title FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 4 OF 11



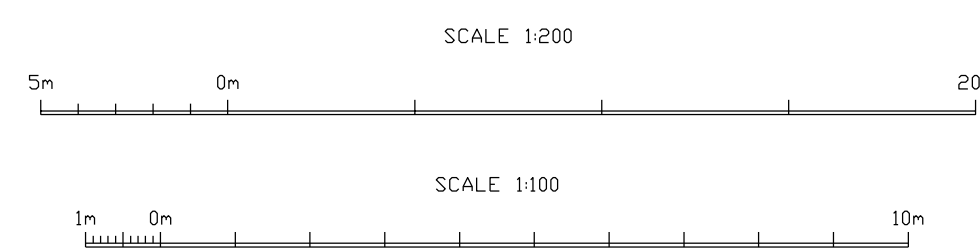
Client
 Scales (at A1 size) 1:200
 Purpose of Issue FLOOD PROTECTION OPERATIONS
 Office LIVERPOOL
 Tel No (0151) 237-4200
 Drawing No 716516/AF0/304
 Version E



CROSS-SECTION 14-14
RIVER ALMOND, SCALE 1:200



CROSS-SECTION 15-15
RIVER ALMOND, SCALE 1:100



DRAWING REFERENCES			
716516/AFO/208	- FLOOD PROTECTION OPERATIONS SHEET 9 OF 15	- DEER PARK & VECTOR AEROSPACE	
716516/AFO/209	- FLOOD PROTECTION OPERATIONS SHEET 10 OF 15	- CRAIGNEUK EAST & WEST	
716516/AFO/212	- FLOOD PROTECTION OPERATIONS SHEET 11 OF 15	- CONFLUENCE OF RIVER ALMOND & EAST POW BURN	

THIS IS THE PLAN MARKED **716516/AFO/305** REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

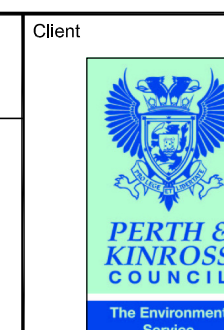
PROPER OFFICER
.....
(Signature)
FOR PERTH AND KINROSS COUNCIL
.....
(date)

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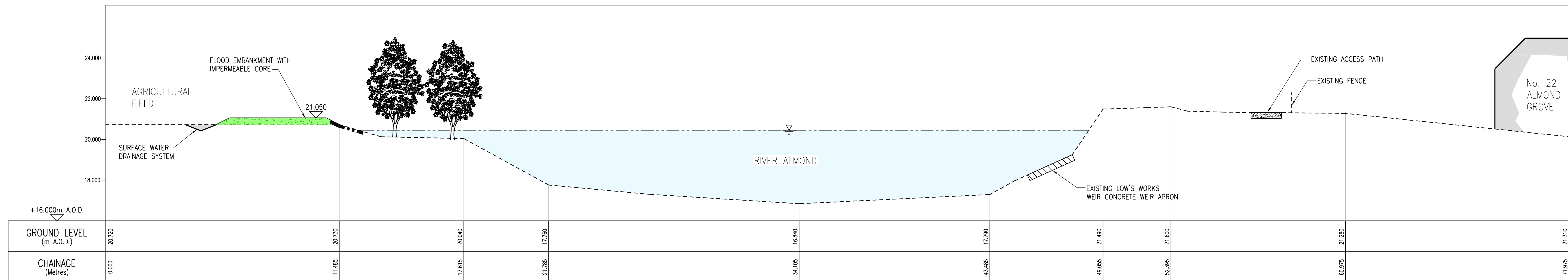
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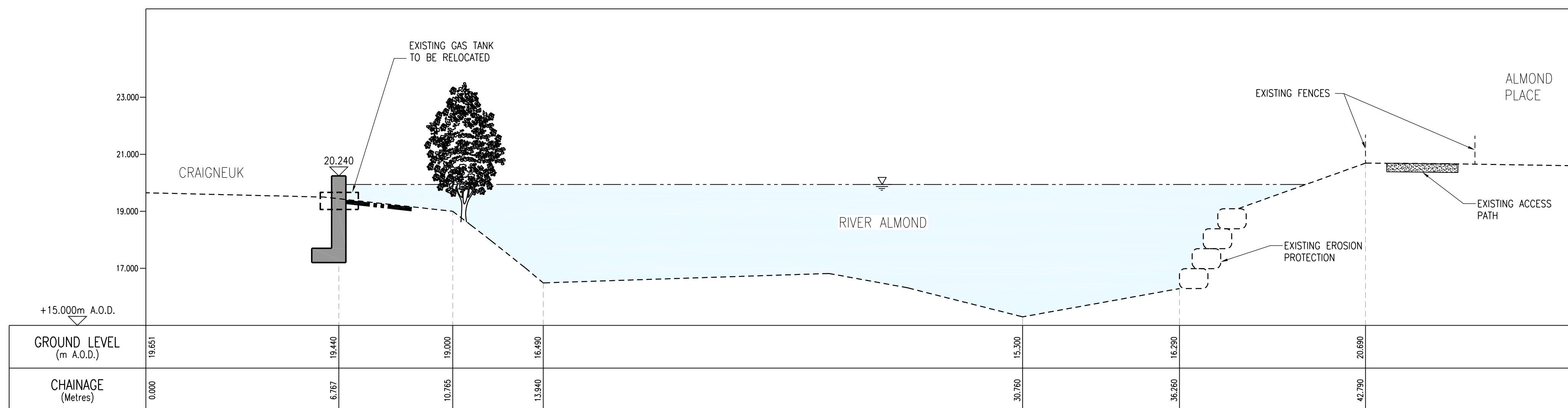
Project ALMONDBANK FLOOD PROTECTION SCHEME
Drawing Title **FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 5 OF 11**



Client **mouchel** building great relationships
Office LIVERPOOL Tel No (0151) 237-4200
Scales (at A1 size) AS SHOWN
Purpose of Issue FLOOD PROTECTION OPERATIONS
Drawing No 716516/AFO/305 Version E



CROSS-SECTION 16-16
RIVER ALMOND



CROSS-SECTION 17-17
RIVER ALMOND

LEGEND

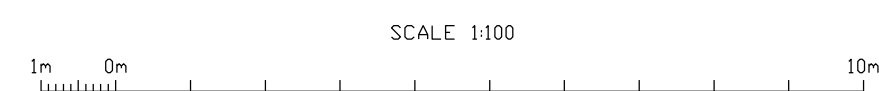
- PROPOSED FLOOD DEFENCE LEVEL
- 1 IN 200 YR TWL
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- PROPOSED GROUND LEVEL
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- FLOOD EMBANKMENT WITH IMPERMEABLE CORE
- REINFORCED CONCRETE FLOOD WALL CAST WITH A SUITABLE AESTHETIC FINISH
- SHEET PILE WALL WITH CLADDING
- SHEET PILE WALL

DRAWING REFERENCES

716516/AF0/209 – FLOOD PROTECTION OPERATIONS SHEET 10 OF 15 – CRAIGNEUK EAST & WEST

THIS IS THE PLAN MARKED 716516/AF0/306 REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

PROPER OFFICER
 (Signature)
 FOR PERTH AND KINROSS COUNCIL
 (date)

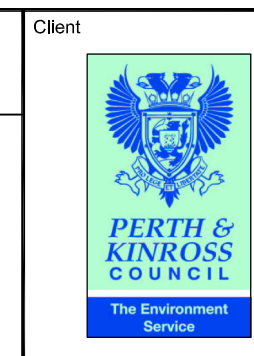


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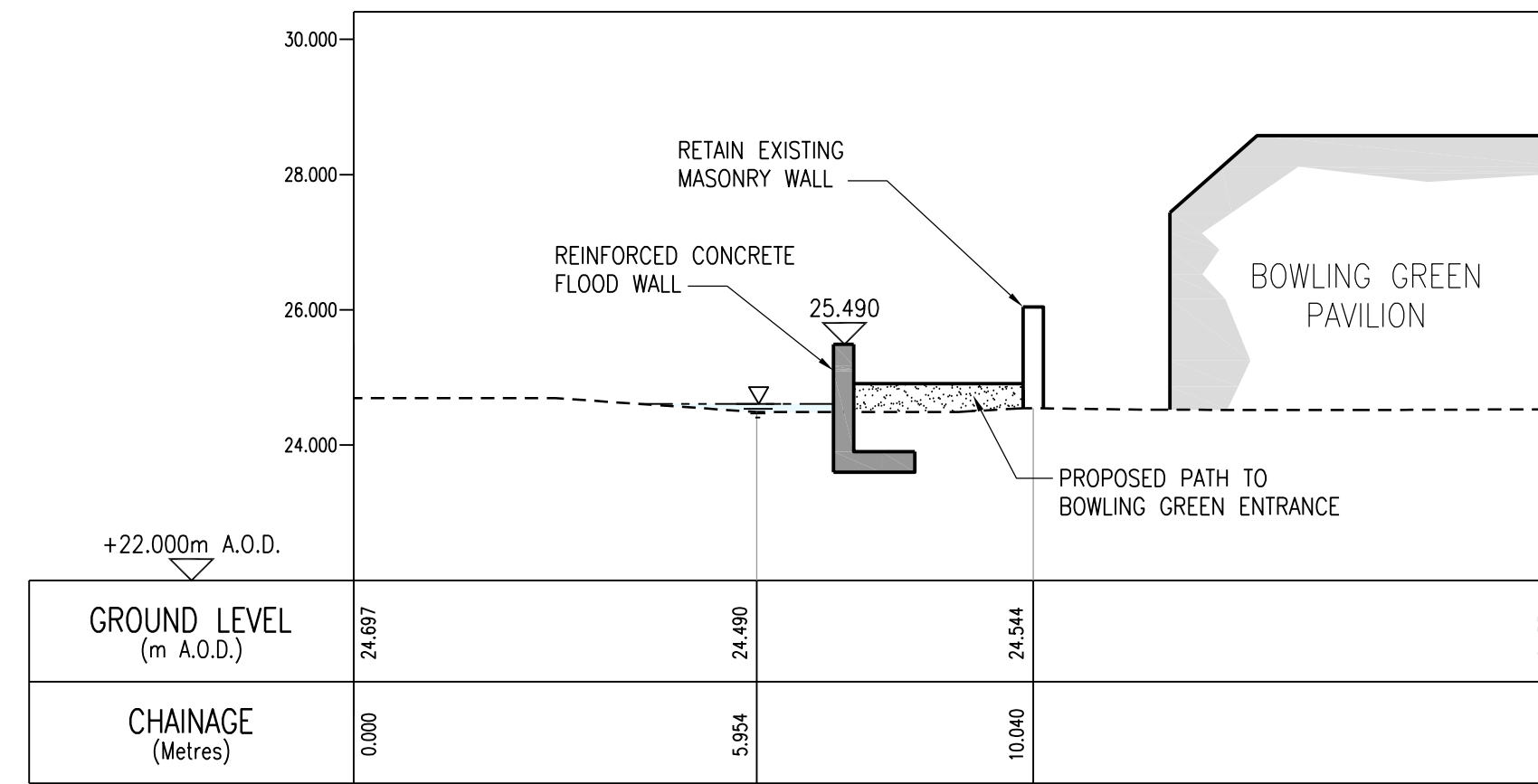
Project ALMONDBANK FLOOD PROTECTION SCHEME
 Drawing Title FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 6 OF 11



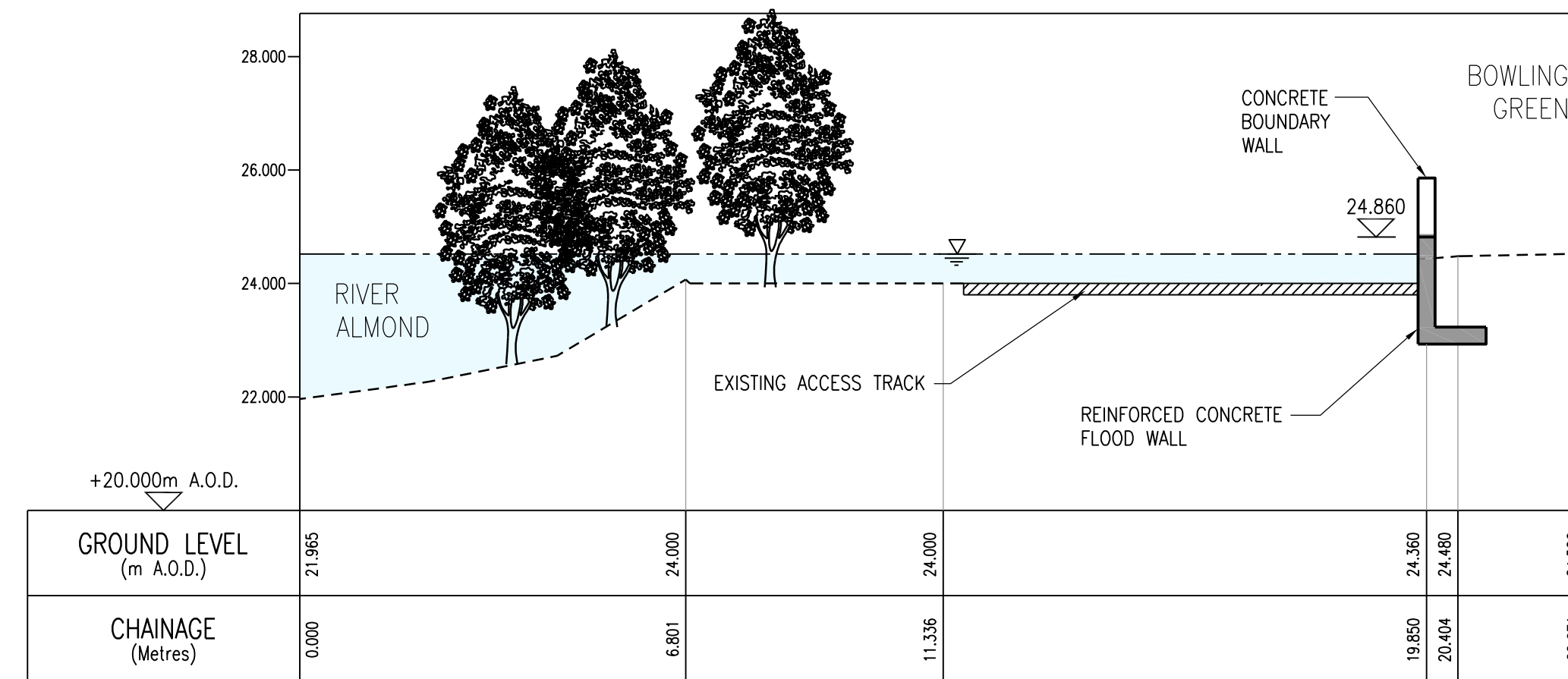
mouchel
 building great relationships

Office LIVERPOOL
 Tel No (0151) 237-4200

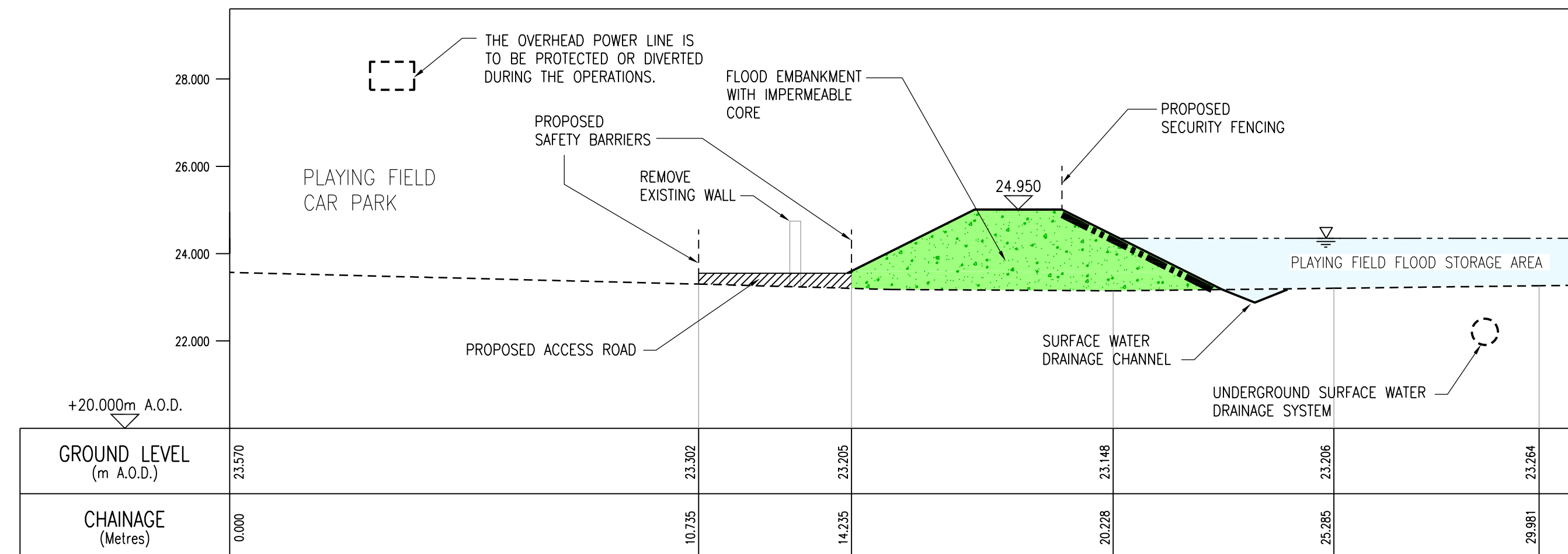
Scales (at A1 size) 1:100
 Purpose of Issue FLOOD PROTECTION OPERATIONS
 Drawing No 716516/AF0/306
 Version E



CROSS-SECTION 21-21
BOWLING GREEN FLOOD WALL



CROSS-SECTION 22-22
BOWLING GREEN FLOOD WALL



CROSS-SECTION 23-23
STORAGE AREA, EMBANKMENT

LEGEND

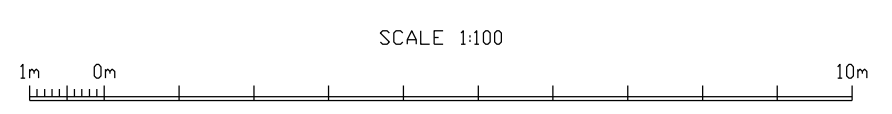
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- PROPOSED GROUND LEVEL
- EROSION PROTECTION
- FLOOD EMBANKMENT WITH IMPERMEABLE CORE
- REINFORCED CONCRETE FLOOD WALL CAST WITH A SUITABLE AESTHETIC FINISH
- SHEET PILE WALL WITH CLADDING
- SHEET PILE WALL

DRAWING REFERENCES

716516/AF0/204	- FLOOD PROTECTION OPERATIONS SHEET 5 OF 15 - TROUT FARM, BOWLING GREEN & PLAYING FIELD FLOOD STORAGE AREA.
716516/AF0/205	- FLOOD PROTECTION OPERATIONS SHEET 6 OF 15 - PLAYING FIELD FLOOD STORAGE AREA
716516/AF0/206	- FLOOD PROTECTION OPERATIONS SHEET 7 OF 15 - VECTOR AEROSPACE AND PLAYING FIELD FLOOD STORAGE AREA
716516/AF0/207	- FLOOD PROTECTION OPERATIONS SHEET 8 OF 15 - RIVER ALMOND FOOTBRIDGE

THIS IS THE PLAN MARKED **716516/AF0/308** REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

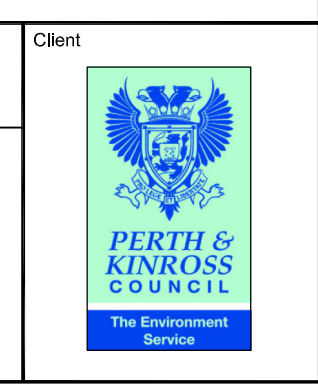
PROPER OFFICER
 (Signature)
 FOR PERTH AND KINROSS COUNCIL
 (date)



- NOTES**
- THESE PLANS ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 60 AND SCHEDULE 2 OF THE FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009.
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D	CLIENT AMENDMENTS	S.MCDULLOCH 29.05.13	P.LAMBERT 29.05.13	N.COOKE 29.05.13
C	CLIENT AMENDMENTS	S.MCDULLOCH 03.05.13	P.LAMBERT 03.05.13	N.COOKE 03.05.13
B	FOR INFORMATION	M.CHAMBERS 15.02.13	P.LAMBERT 15.02.13	N.COOKE 15.02.13
A	FOR INFORMATION	S.MCDULLOCH MAY 2012	M.CHAMBERS MAY 2012	N.COOKE MAY 2012
Version	Amendment	Drawn Date	Checked Date	Approved Date

Project ALMONDBANK FLOOD PROTECTION SCHEME
 Drawing Title **FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 7 OF 11**

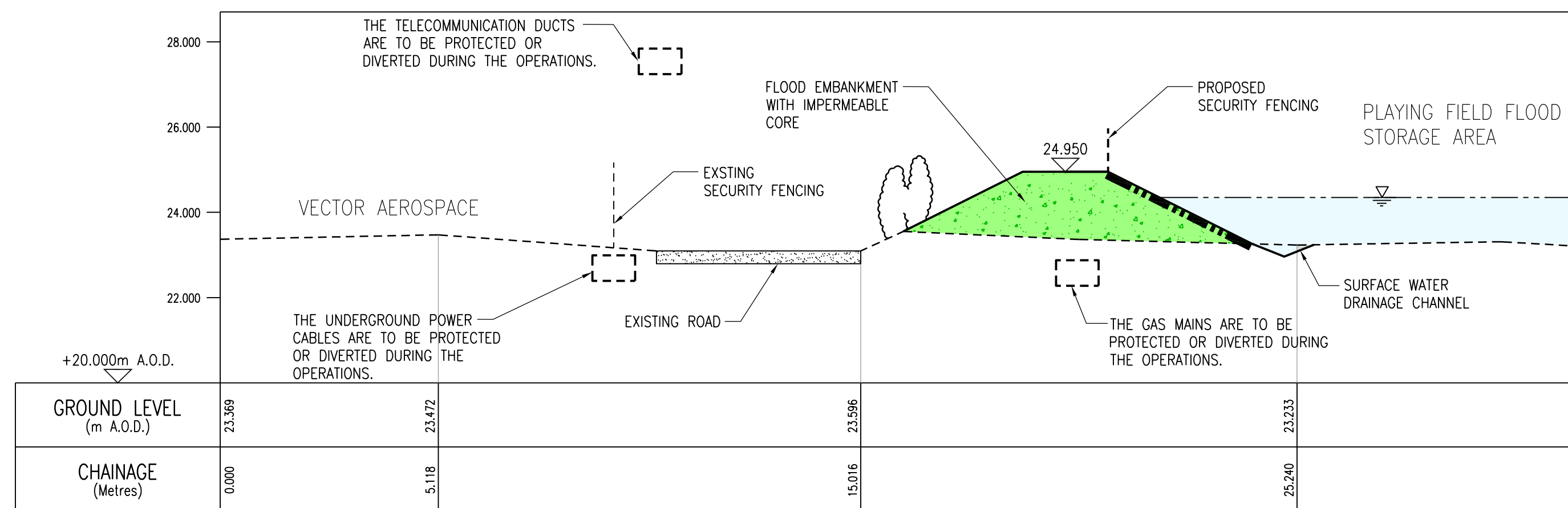


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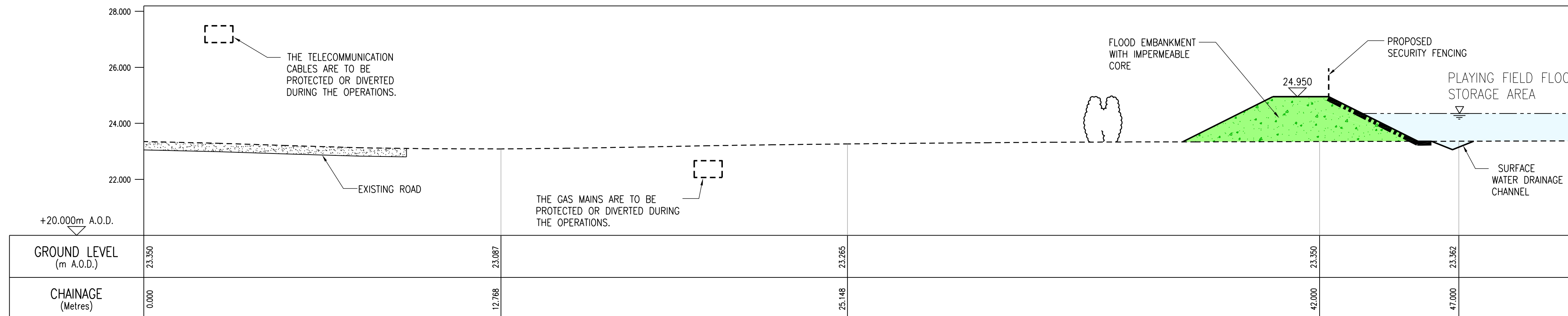
Office LIVERPOOL Tel No (0151) 237-4200

Client Scales (at A1 size) 1:100 Purpose of Issue FLOOD PROTECTION OPERATIONS

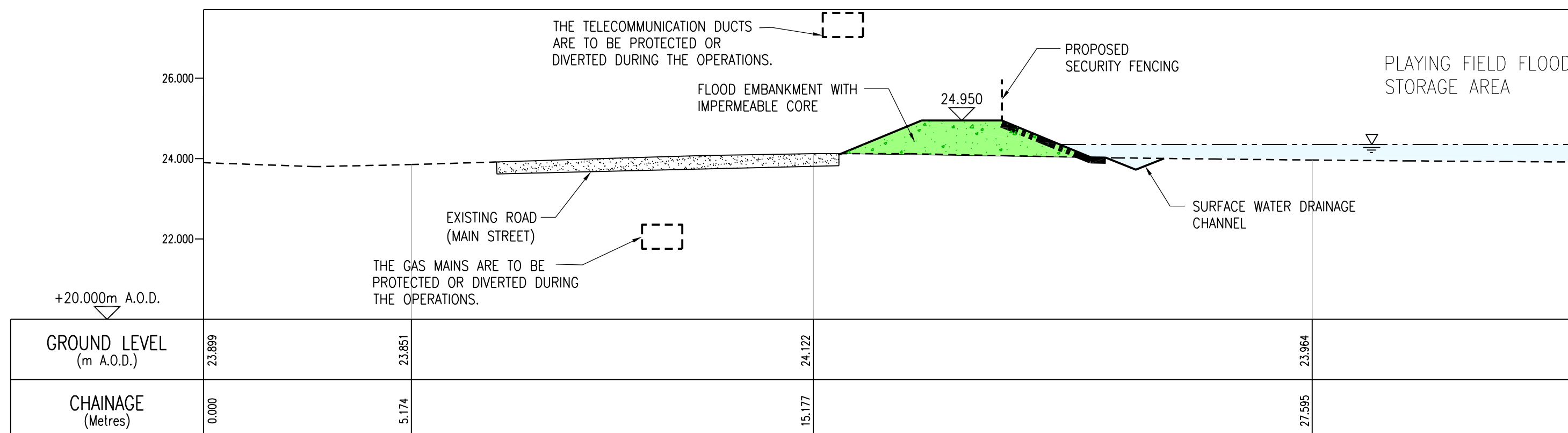
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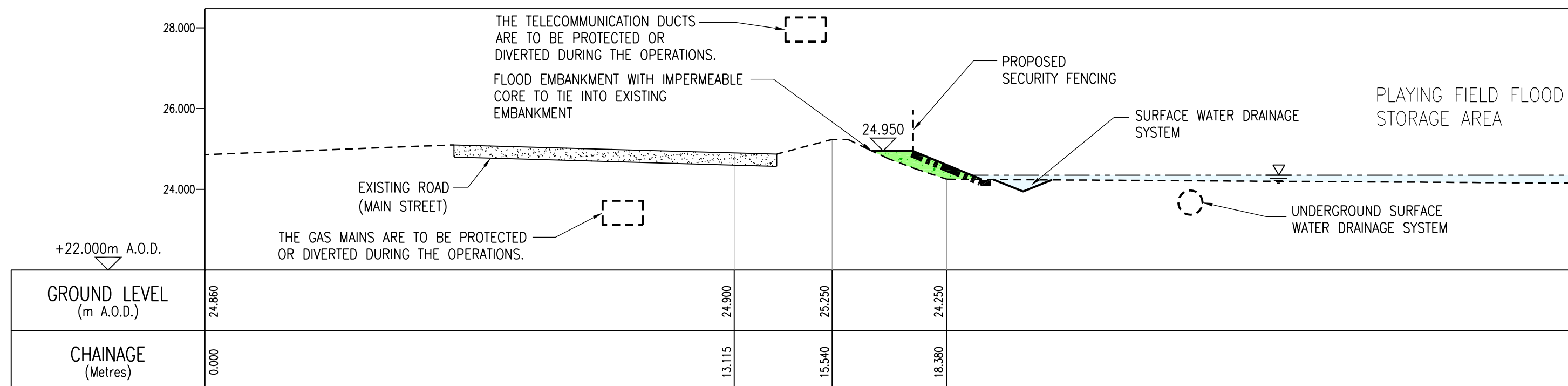
CROSS-SECTION 24-24
STORAGE AREA EMBANKMENT



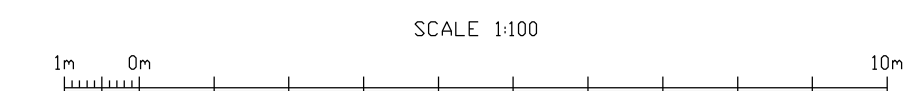
CROSS-SECTION 25-25
STORAGE AREA EMBANKMENT



CROSS-SECTION 26-26
STORAGE AREA EMBANKMENT



CROSS-SECTION 27-27
STORAGE AREA EMBANKMENT



LEGEND

- PROPOSED FLOOD DEFENCE LEVEL
- 1 IN 200 YR TWL
- EXISTING GROUND LEVEL
- PROPOSED GROUND LEVEL
- EROSION PROTECTION
- FLOOD EMBANKMENT WITH IMPERMEABLE CORE
- REINFORCED CONCRETE FLOOD WALL CAST WITH A SUITABLE AESTHETIC FINISH
- SHEET PILE WALL WITH CLADDING
- SHEET PILE WALL

DRAWING REFERENCES

- 716516/AFO/205 - FLOOD PROTECTION OPERATIONS SHEET 6 OF 15 - PLAYING FIELD FLOOD STORAGE AREA
- 716516/AFO/206 - FLOOD PROTECTION OPERATIONS SHEET 7 OF 15 - VECTOR AEROSPACE AND PLAYING FIELD FLOOD STORAGE AREA

THIS IS THE PLAN MARKED **716516/AFO/309** REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

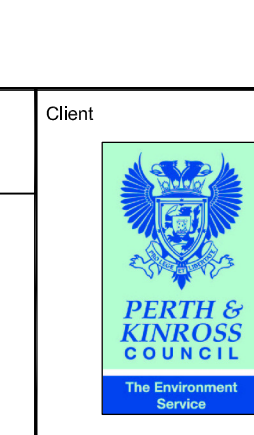
PROPER OFFICER
 (Signature)
 FOR PERTH AND KINROSS COUNCIL
 (date)

NOTES

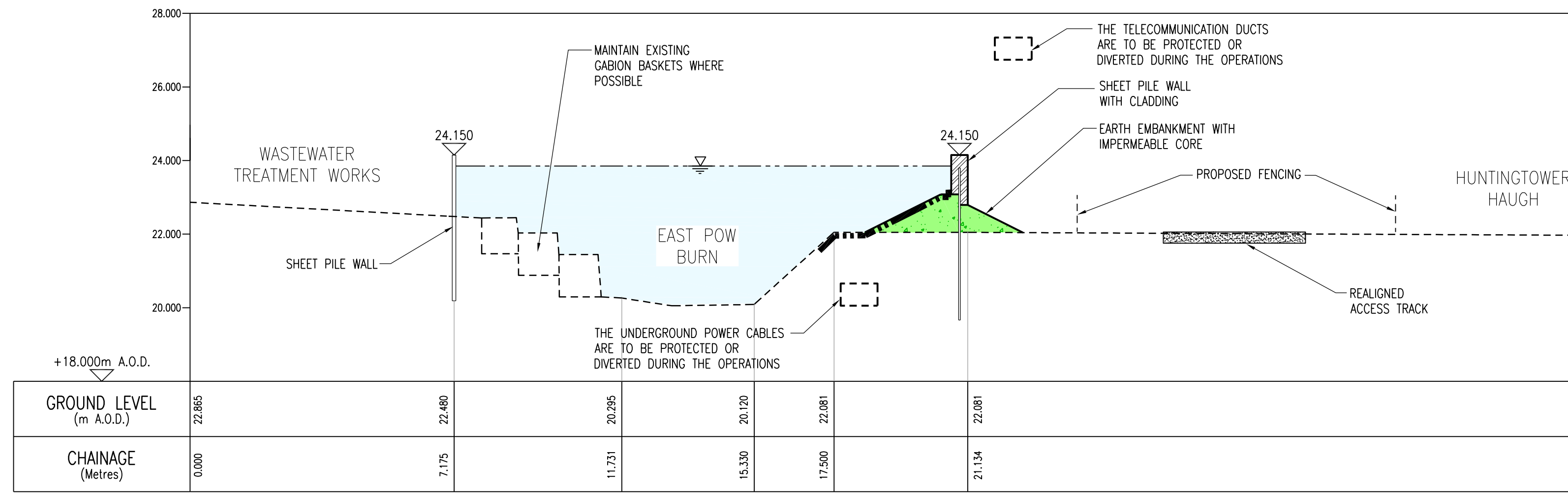
- THESE PLANS ARE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 60 AND SCHEDULE 2 OF THE FLOOD RISK MANAGEMENT (SCOTLAND) ACT 2009.
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E	CLIENT AMENDMENTS	M.CHAMBERS 28.06.13	P.LAMBERT 28.06.13	N.COOTE 28.06.13
D	CLIENT AMENDMENTS	S.MCDULLOCH 30.05.13	P.LAMBERT 30.05.13	N.COOTE 30.05.13
C	CLIENT AMENDMENTS	S.MCDULLOCH 03.05.13	P.LAMBERT 03.05.13	N.COOTE 03.05.13
B	FOR INFORMATION	M.CHAMBERS 15.02.13	P.LAMBERT 15.02.13	N.COOTE 15.02.13
A	FOR INFORMATION	S.MCDULLOCH MAY 2012	M.CHAMBERS MAY 2012	N.COOTE MAY 2012
Version	Amendment	Drawn Date	Checked Date	Approved Date

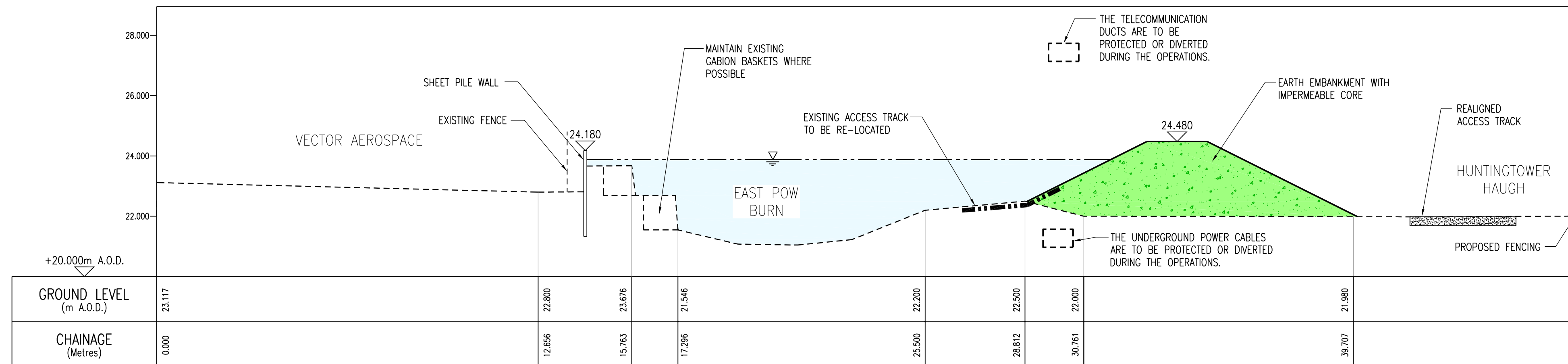
Project: ALMONDBANK FLOOD PROTECTION SCHEME
 Drawing Title: FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 8 OF 11



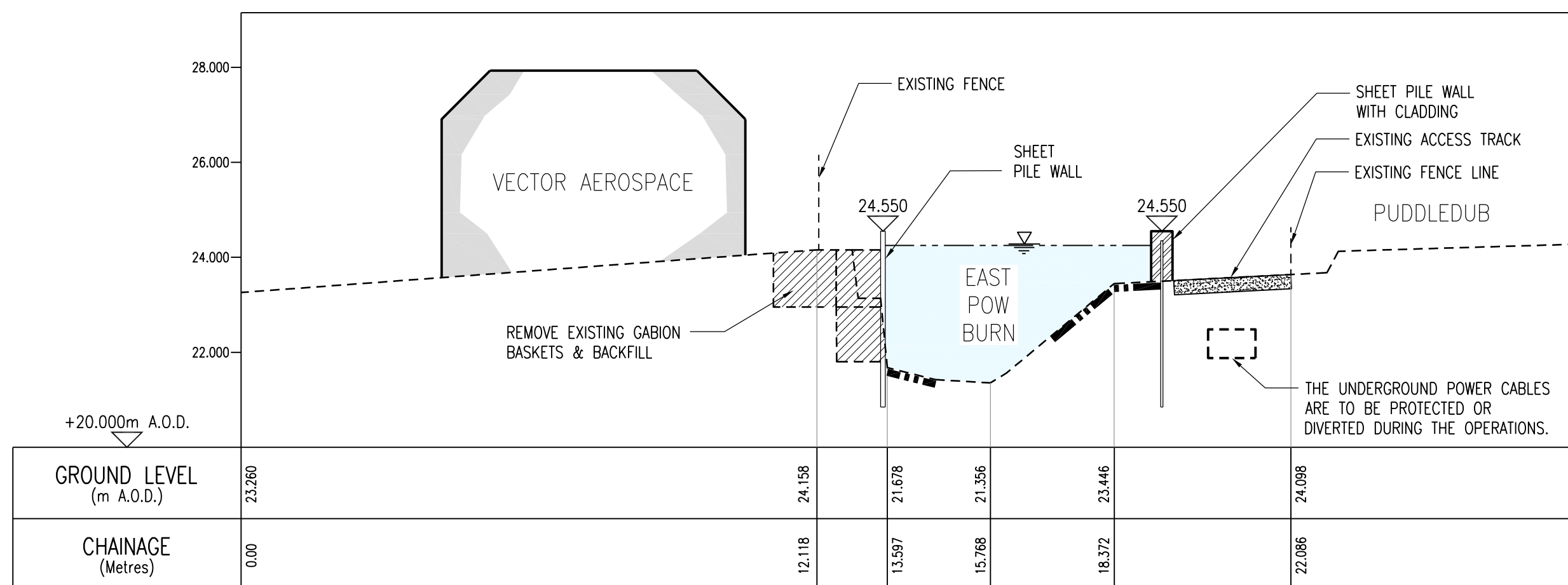
mouchel building great relationships
 Office: LIVERPOOL
 Tel No: (0151) 237-4200
 Drawing No: 716516/AFO/309
 Version: E



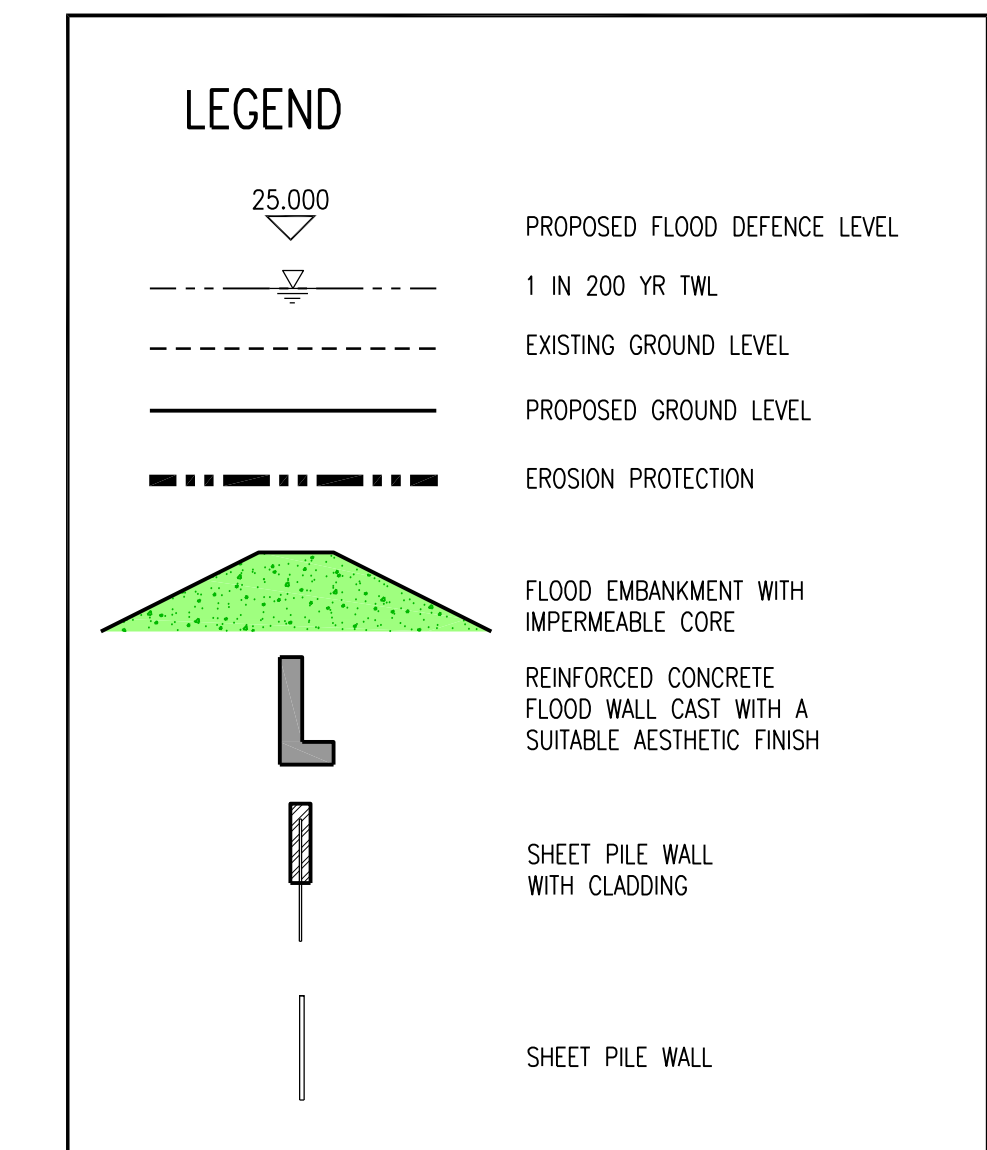
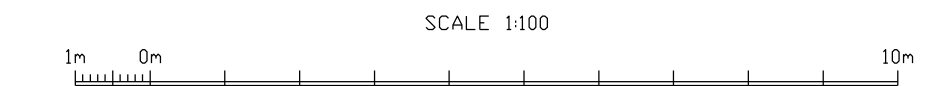
CROSS-SECTION 28-28
EAST POW BURN



CROSS-SECTION 29-29
EAST POW BURN



CROSS-SECTION 30-30
EAST POW BURN



DRAWING REFERENCES

- 716516/AF0/212 - FLOOD PROTECTION OPERATIONS SHEET 11 OF 15 - CONFLUENCE OF RIVER ALMOND & EAST POW BURN
- 716516/AF0/214 - FLOOD PROTECTION OPERATIONS SHEET 13 OF 15 - VECTOR AEROSPACE

THIS IS THE PLAN MARKED **716516/AF0/310** REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

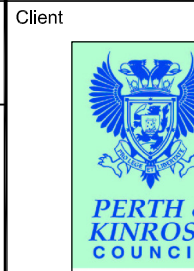
PROPER OFFICER
 (Signature)
 FOR PERTH AND KINROSS COUNCIL
 (date)

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F	CLIENT AMENDMENTS	M.CHAMBERS 28.06.13	P.LAMBERT 28.06.13	N.COOKIE 28.06.13
E	CLIENT AMENDMENTS	S.MCCULLOCH 17.06.13	A.WILLIAMSON 17.06.13	N.COOKIE 17.06.13
D	CLIENT AMENDMENTS	S.MCCULLOCH 29.05.13	P.LAMBERT 29.05.13	N.COOKIE 29.05.13
C	CLIENT AMENDMENTS	S.MCCULLOCH 03.05.13	P.LAMBERT 03.05.13	N.COOKIE 03.05.13
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A	FOR INFORMATION	S.MCCULLOCH MAY 2012	S.MCCULLOCH MAY 2012	N.COOKIE MAY 2012
Version	Amendment	Drawn Date	Checked Date	Approved Date

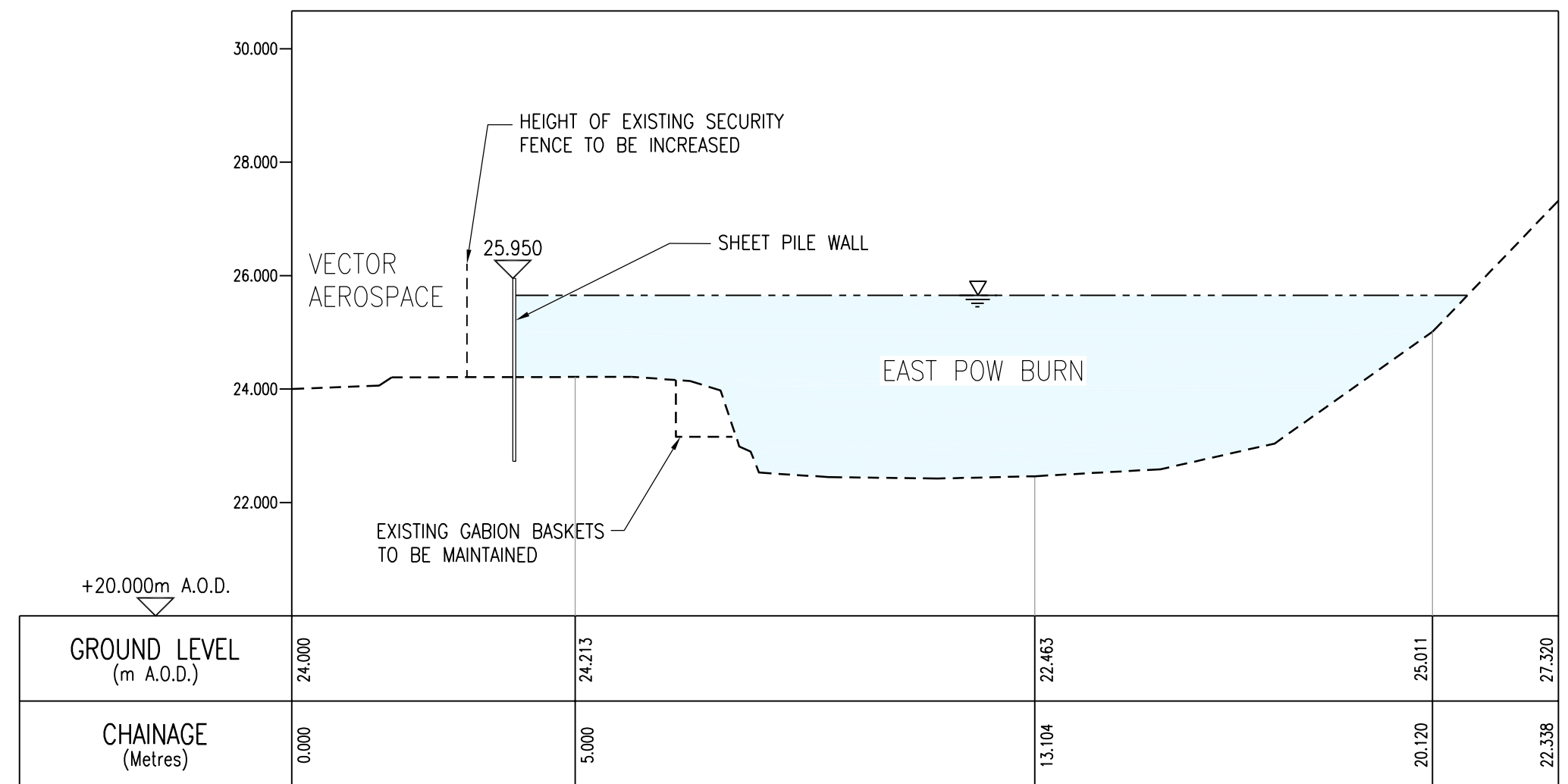
Project: ALMONDBANK FLOOD PROTECTION SCHEME
 Drawing Title: FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 9 OF 11



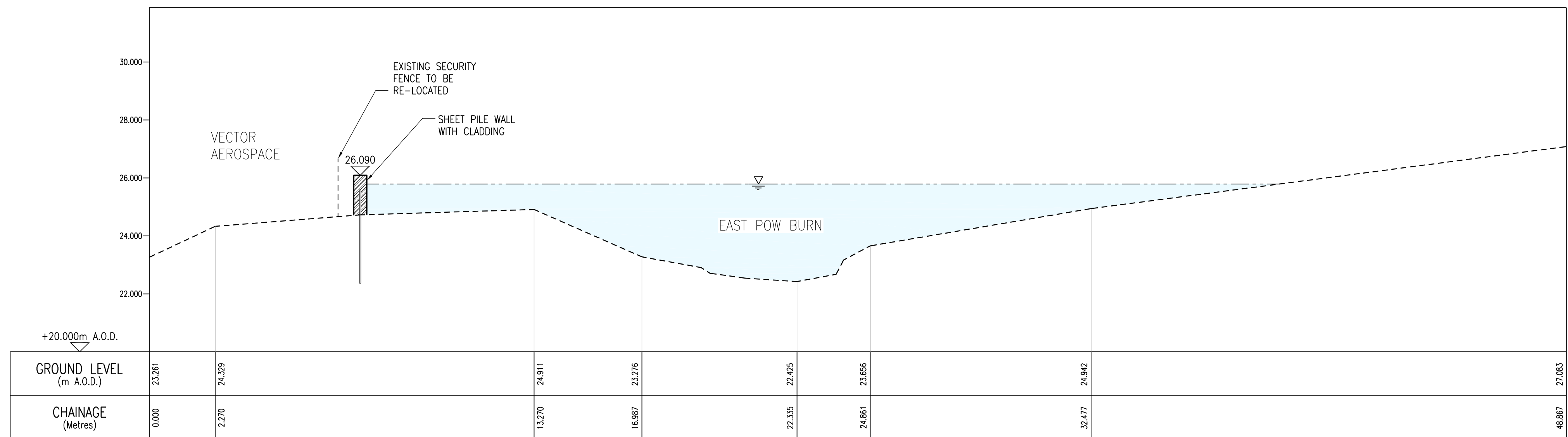
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Office: LIVERPOOL | Tel No: (0151) 237-4200 | Drawing No: 716516/AF0/310 | Version: F

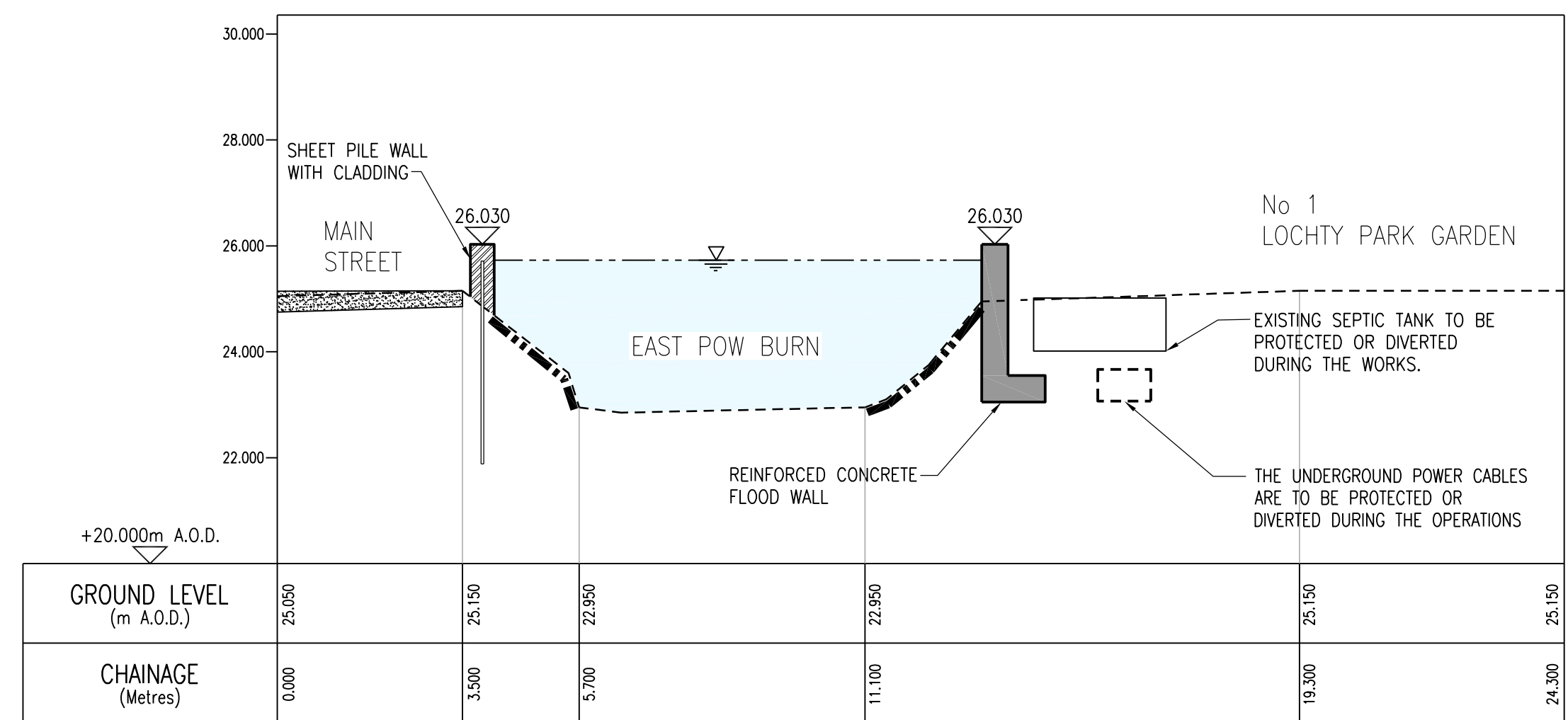
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 Purpose of Issue: FLOOD PROTECTION OPERATIONS



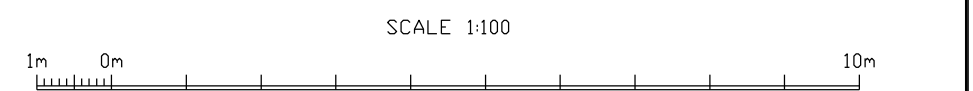
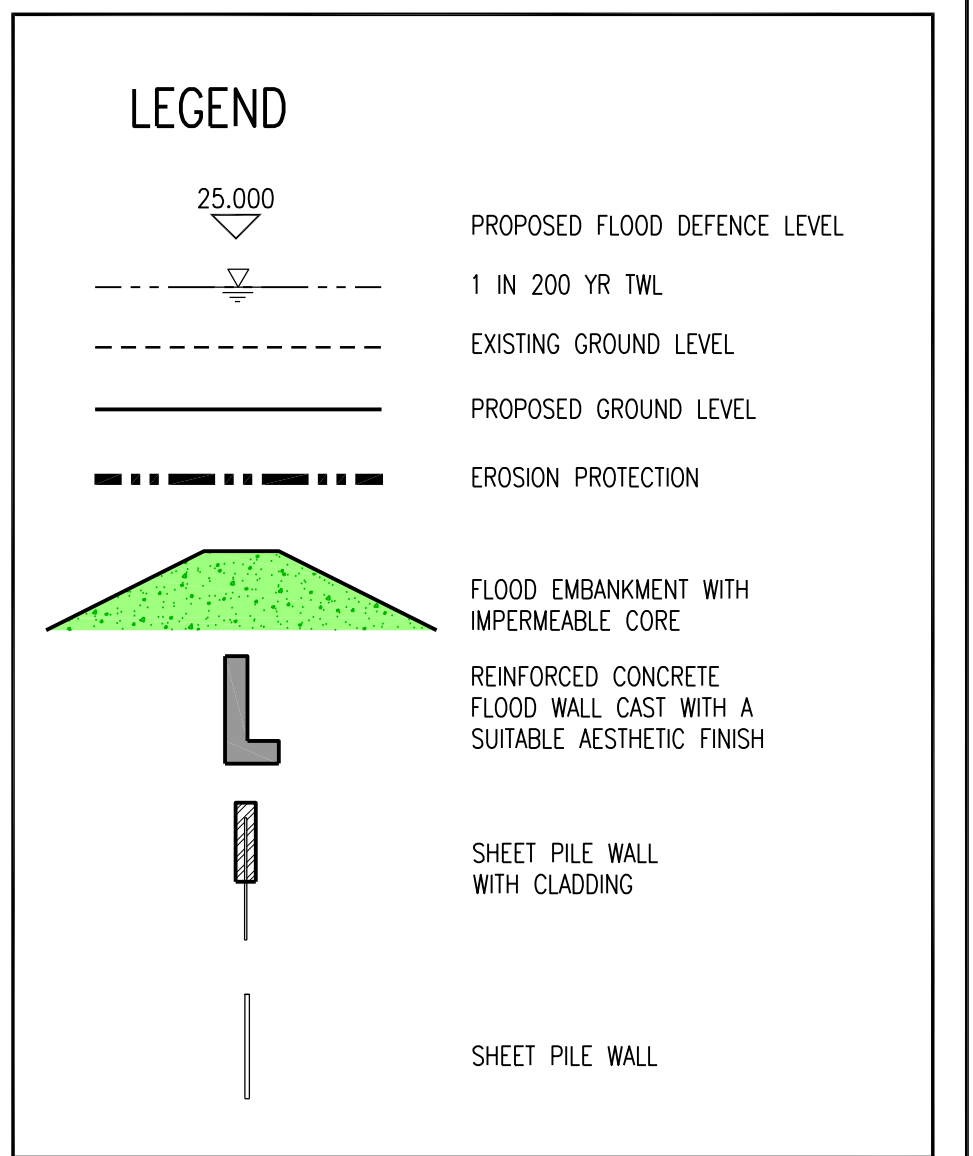
CROSS-SECTION 31-31
EAST POW BURN



CROSS-SECTION 32-32
EAST POW BURN



CROSS-SECTION 33-33
EAST POW BURN



NOTES

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C	CLIENT AMENDMENTS	S.MCDULLOCH 03.05.13	P.LAMBERT 03.05.13	N.COOKE 03.05.13
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A	FOR INFORMATION	S.MCDULLOCH MAY 2012	M.CHAMBERS MAY 2012	N.COOKE MAY 2012
Version	Amendment	Drawn Date	Checked Date	Approved Date

Project ALMONDBANK FLOOD PROTECTION SCHEME

Drawing Title
**FLOOD PROTECTION OPERATIONS
CROSS SECTIONS SHEET 10 OF 11**

Client



THIS IS THE PLAN MARKED 716516/AF0/311 REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

PROPER OFFICER

(Signature)

FOR PERTH AND KINROSS COUNCIL

(date)

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Office
LIVERPOOL

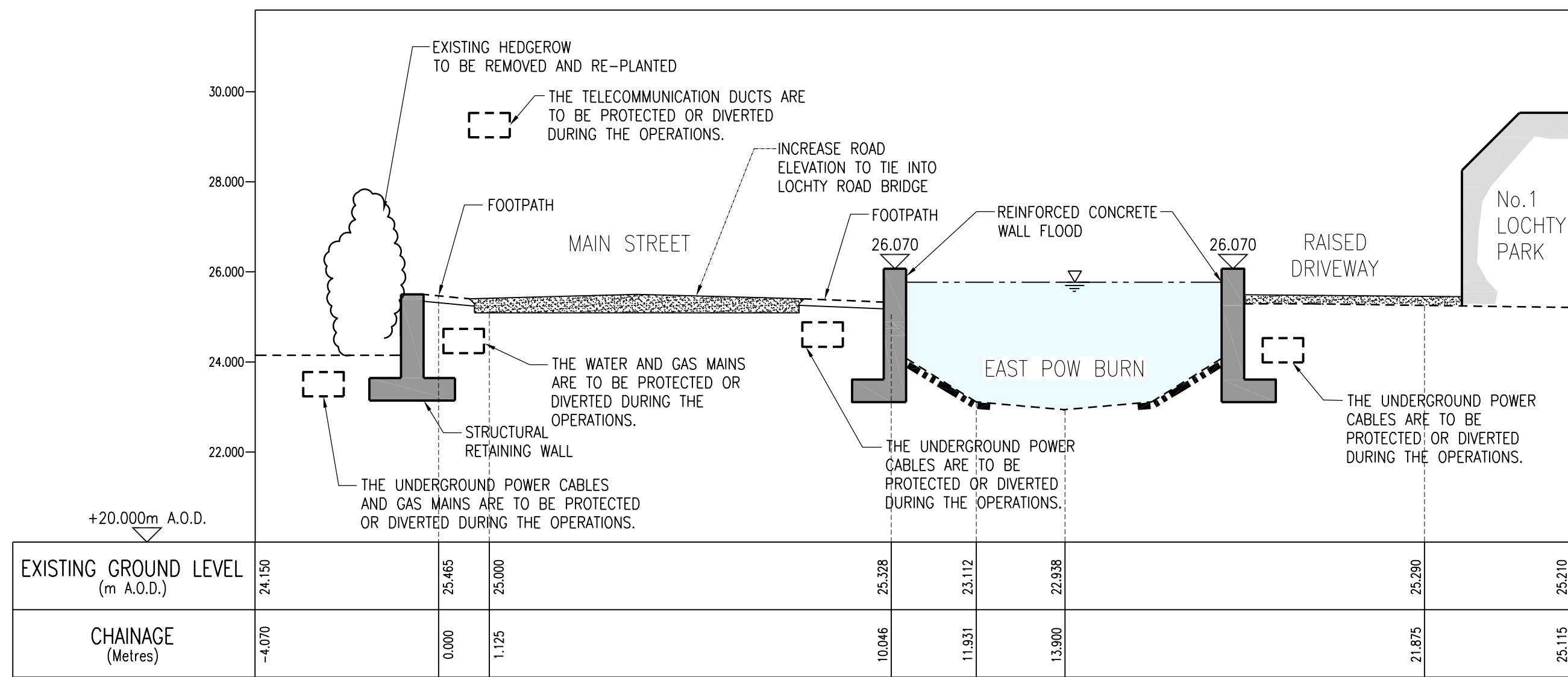
Tel No
(0151) 237-4200

Scales (at A1 size)
1:100

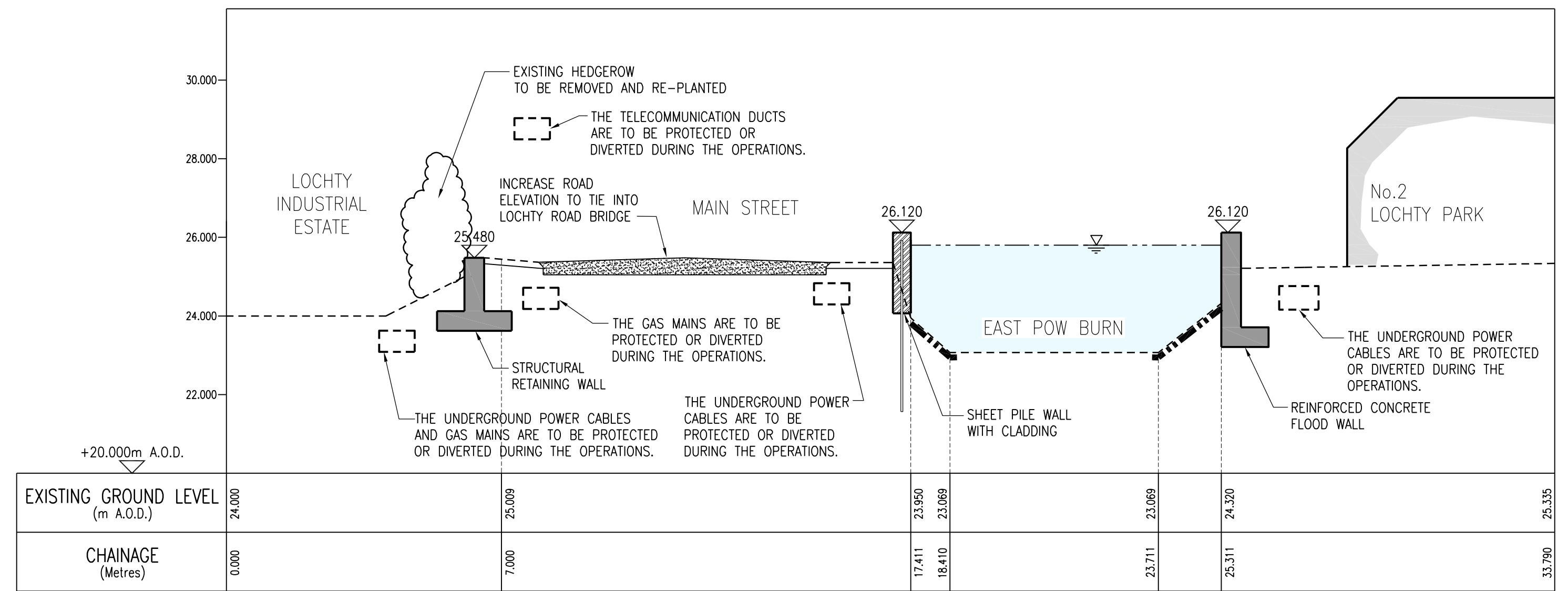
Purpose of Issue
FLOOD PROTECTION OPERATIONS

Drawing No
716516/AF0/311

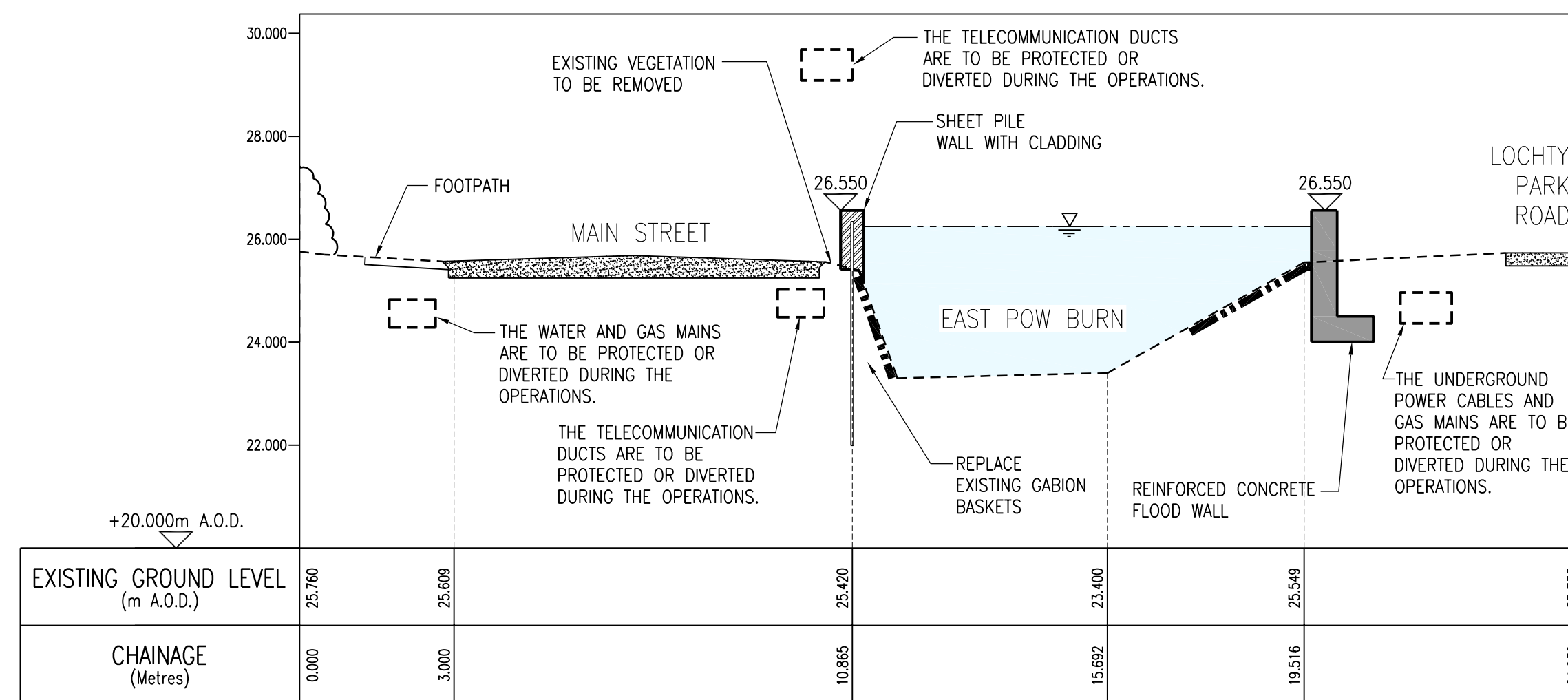
Version
E



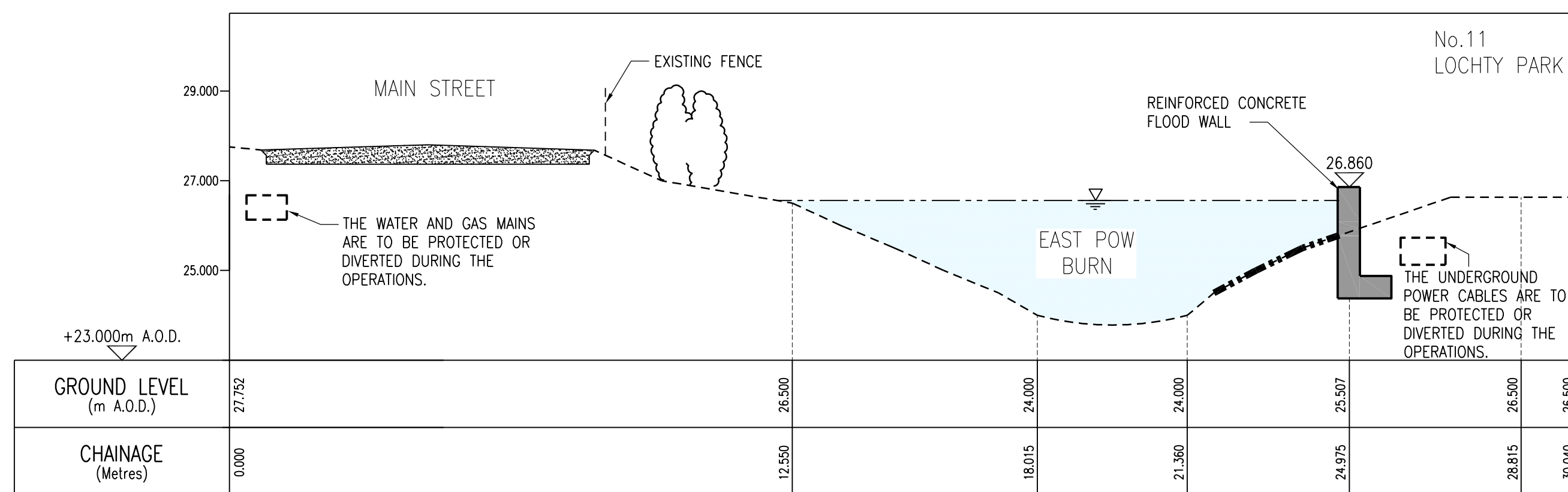
CROSS-SECTION 34-34
EAST POW BURN



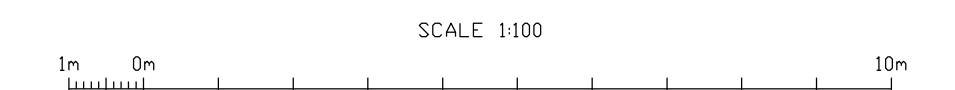
CROSS-SECTION 35-35
EAST POW BURN



CROSS-SECTION 36-36
EAST POW BURN



CROSS-SECTION 37-37
EAST POW BURN



LEGEND

- 25.000: PROPOSED FLOOD DEFENCE LEVEL
- : 1 IN 200 YR TWL
- - - - -: EXISTING GROUND LEVEL
- - - - -: PROPOSED GROUND LEVEL
- - - - -: EROSION PROTECTION
- [Green trapezoid]: FLOOD EMBANKMENT WITH IMPERMEABLE CORE
- [L-shaped symbol]: REINFORCED CONCRETE FLOOD WALL CAST WITH A SUITABLE AESTHETIC FINISH
- [Vertical line with cross-hatch]: SHEET PILE WALL WITH CLADDING
- [Vertical line]: SHEET PILE WALL

DRAWING REFERENCES

- 716516/AFO/215 - FLOOD PROTECTION OPERATIONS SHEET 14 OF 15 - VECTOR AEROSPACE AND LOCHTY PARK
- 716516/AFO/216 - FLOOD PROTECTION OPERATIONS SHEET 15 OF 15 - LOCHTY PARK

THIS IS THE PLAN MARKED **716516/AFO/312** REFERRED TO IN THE FLOOD PROTECTION SCHEME FOR ALMONDBANK FLOOD PROTECTION SCHEME 2013

PROPER OFFICER
 (Signature)
 FOR PERTH AND KINROSS COUNCIL
 (date)

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A	FOR INFORMATION	S.MCDULLOCH 12 MAY	M.CHAMBERS 12 MAY	N.COOKIE 12 MAY
Version	Amendment	Drawn Date	Checked Date	Approved Date

Project ALMONDBANK FLOOD PROTECTION SCHEME

Drawing Title **FLOOD PROTECTION OPERATIONS CROSS SECTIONS SHEET 11 OF 11**



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Office LIVERPOOL
 Tel No (0151) 237-4200

Scales (at A1 size) 1:100
 Purpose of Issue FLOOD PROTECTION OPERATIONS
 Drawing No 716516/AFO/312
 Version E