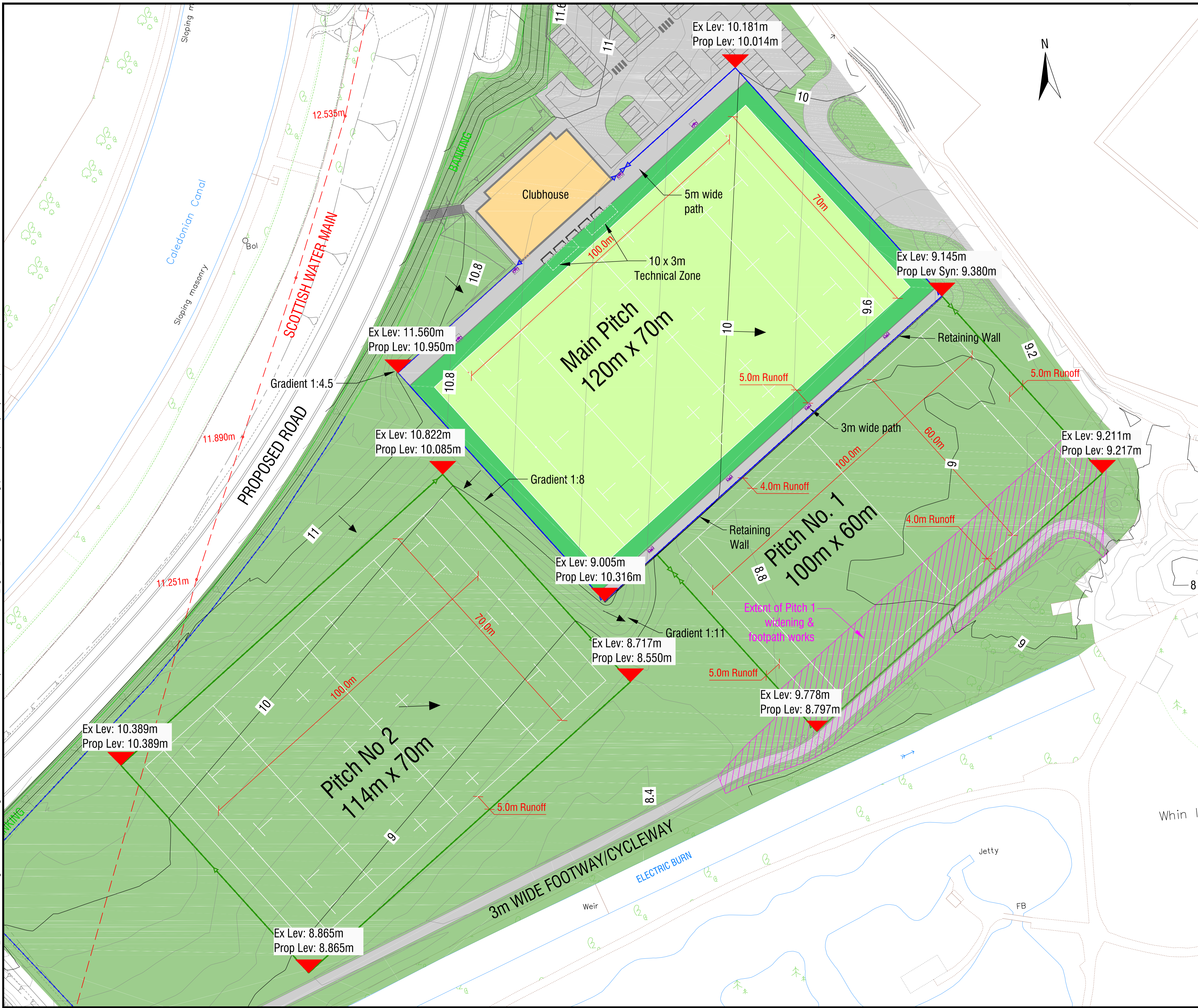


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Legend:
 — PROPOSED MAJOR CONTOURS 1m INTERVALS
 - - - PROPOSED MINOR CONTOURS 200mm INTERVALS

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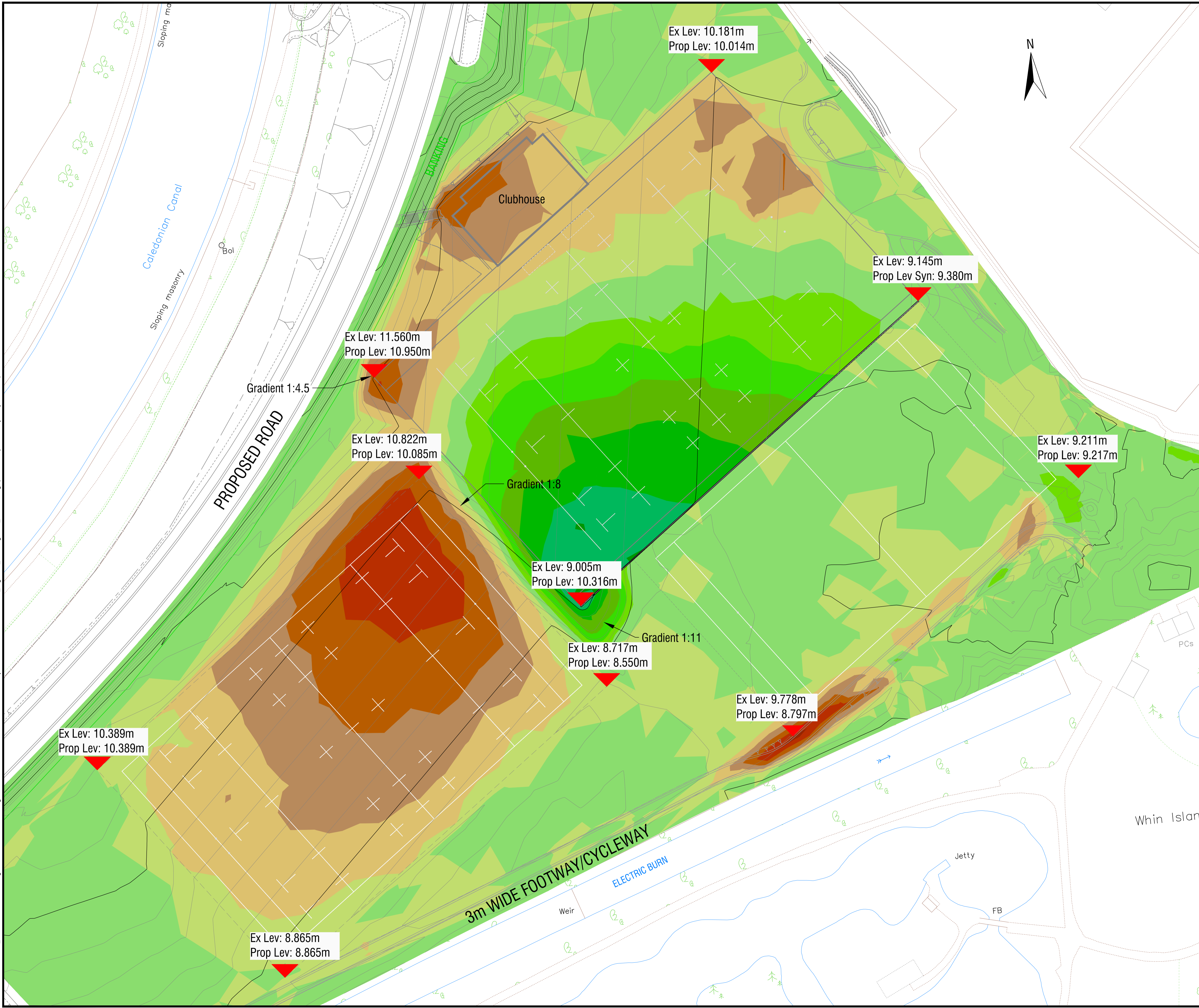
Project
RECONFIGURATION OF CANAL PARKS

Title
PLANNING APPLICATION PROPOSED PITCH LAYOUT

Scale (at A1) **1:500**

Drawn	MS	Date	09/04/2015
Checked	MC	Date	09/04/2015
Project No:	HRS7141		Status: -
Drawing No:	HRS7141 - PL21		Rev: -

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Legend:

EARTHWORK CALCULATIONS					
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR	AREA	VOLUME
1	-1.20	-1.00	Dark Red	6.353m ²	0.155m ³
2	-1.00	-0.80	Red	1096.435m ²	76.749m ³
3	-0.80	-0.60	Dark Orange	2389.117m ²	430.689m ³
4	-0.60	-0.40	Orange	4426.435m ²	1098.881m ³
5	-0.40	-0.20	Light Orange	7039.447m ²	2278.049m ³
6	-0.20	0.00	Yellow-Orange	12733.586m ²	3794.744m ³
7	0.00	0.20	Yellow	27219.865m ²	1647.411m ³
8	0.20	0.40	Light Green	1875.372m ²	1078.380m ³
9	0.40	0.60	Green	1306.459m ²	765.147m ³
10	0.60	0.80	Light Green	1280.798m ²	514.273m ³
11	0.80	1.00	Green	1109.320m ²	274.418m ³
12	1.00	1.20	Dark Green	765.938m ²	98.330m ³
13	1.20	1.40	Very Dark Green	49.575m ²	0.523m ³

CUT: 7.669m³
 FILL: 4.378m³
 SURPLUS: 3.291m³

Revision Details					
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Project

RECONFIGURATION OF CANAL PARKS

Title

PLANNING APPLICATION EARTHWORKS

Scale (at A1) **1:500**

Drawn	MS	Date	09/04/2015
Checked	MC	Date	09/04/2015
Project No:	HRS7141		Status: -
Drawing No:	HRS7141 - PL22		Rev: -

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Legend:

- 225/150mm Ø MAIN DRAIN
- - - 80mm Ø LATERALS @ 10m CENTRES
- - - 150/225mm Ø CUT-OFF DRAIN
- SAND/GRAVEL SILTS @ 1m CENTRES

Revision Details

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Project

RECONFIGURATION OF CANAL PARKS

Title

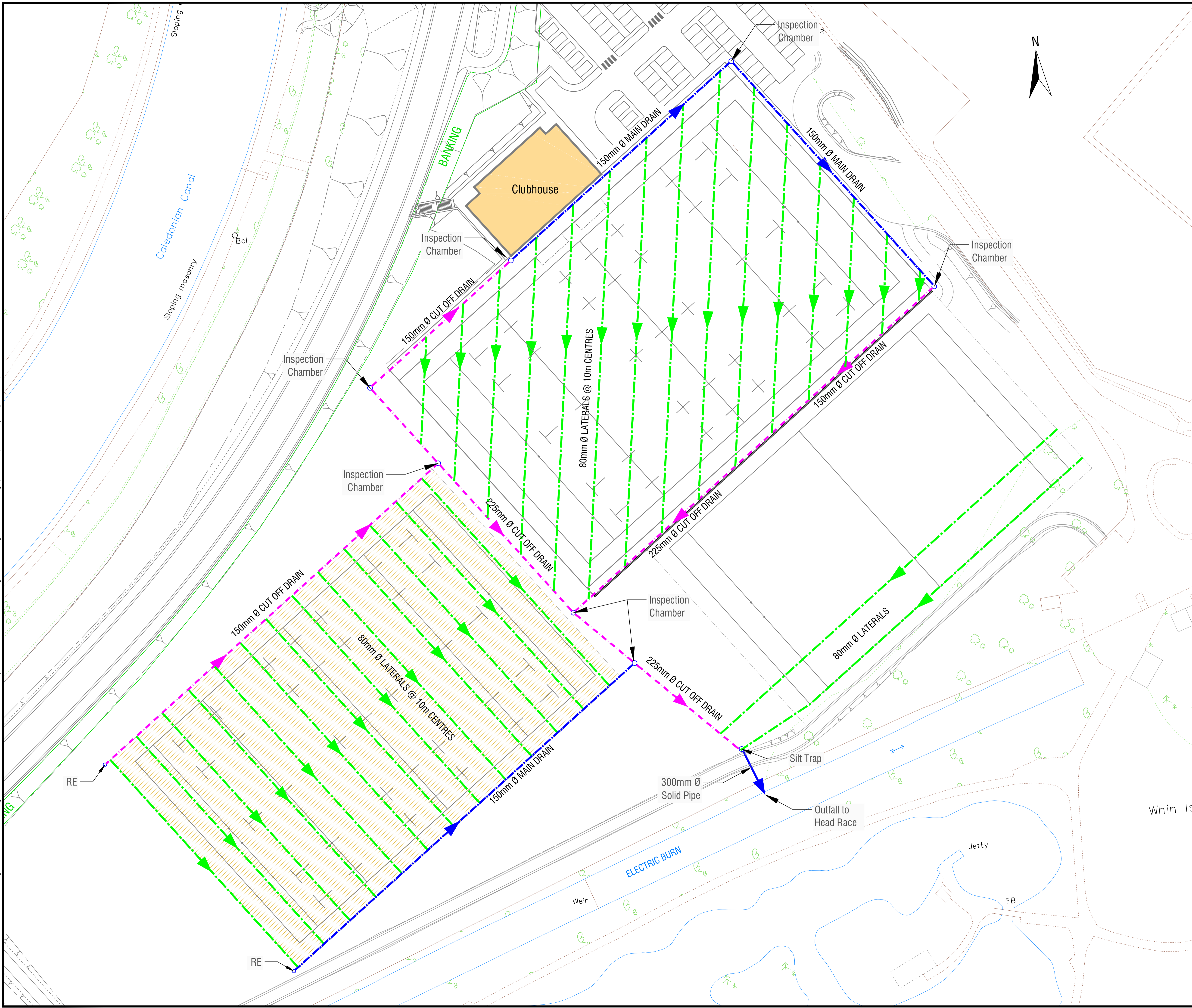
**PLANNING APPLICATION
 PROPOSED PITCH DRAINAGE LAYOUT**

Scale (at A1)

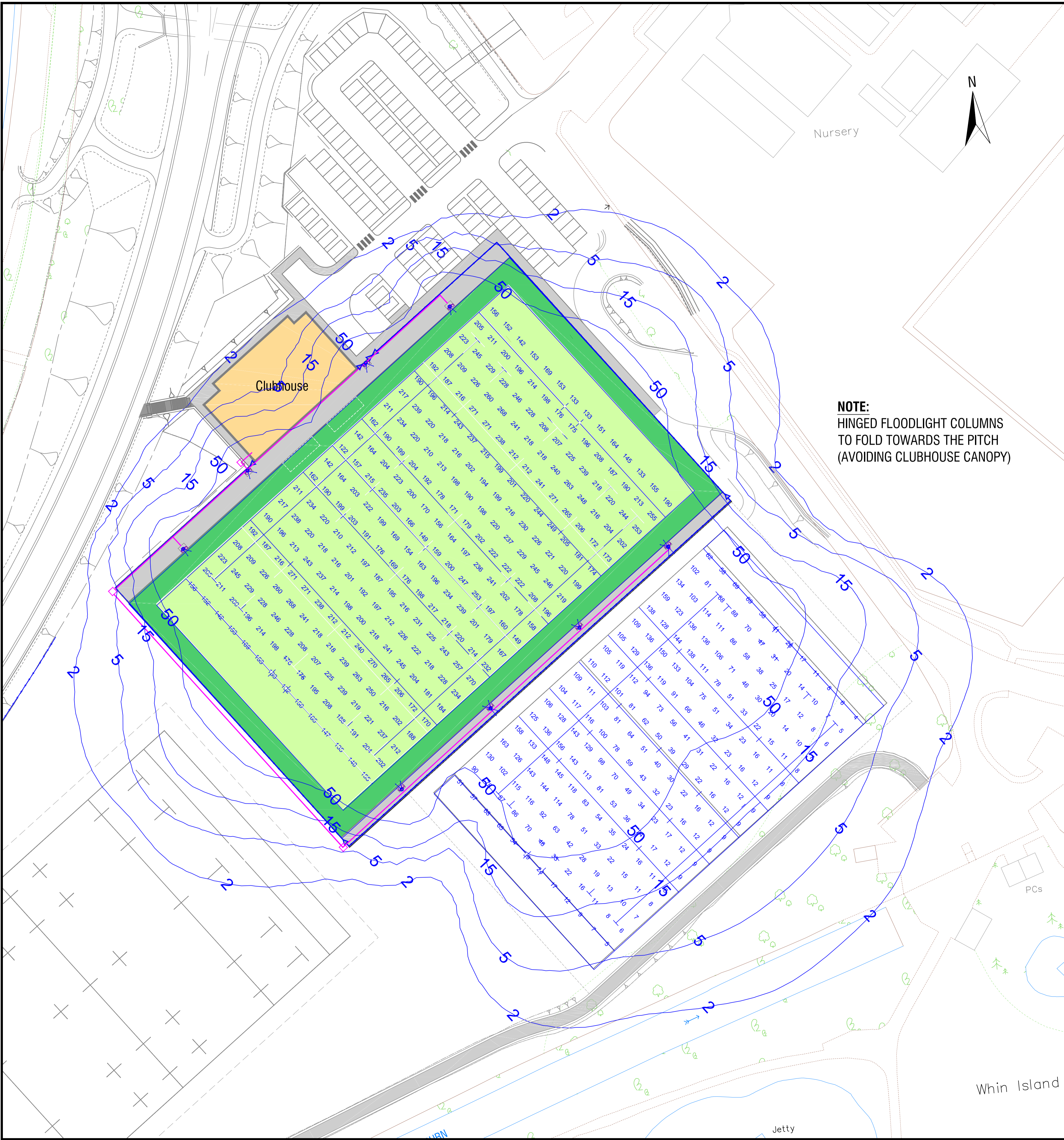
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Checked	MC	Date	09/04/2015

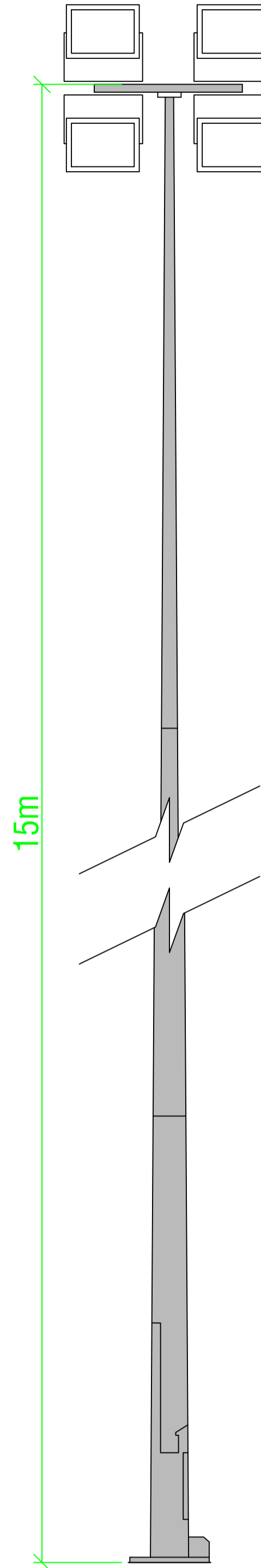
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Drawing No:	HRS7141 - PL23	Rev:	-



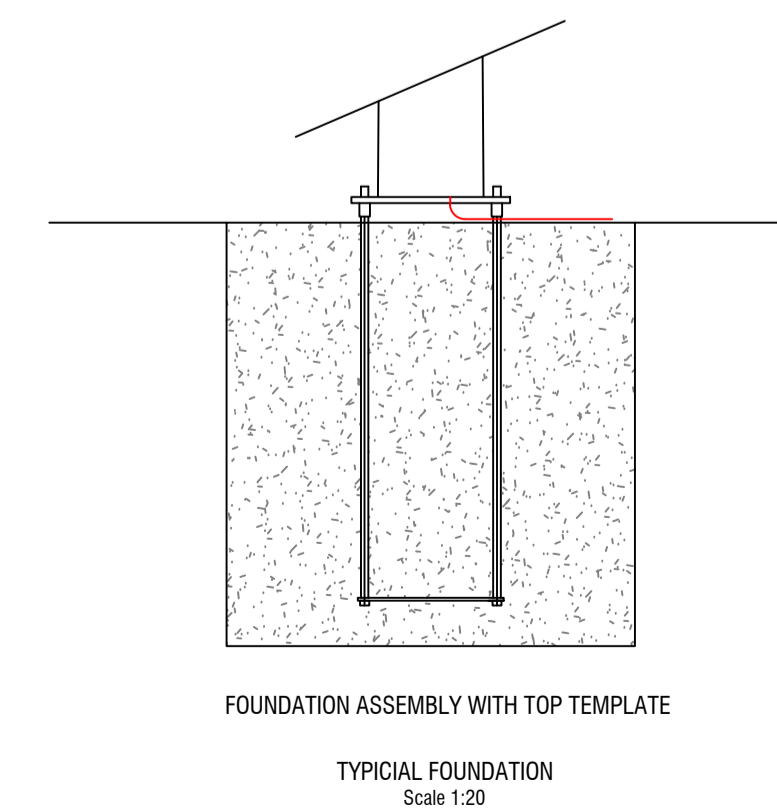
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NOTE:
HINGED FLOODLIGHT COLUMNS
TO FOLD TOWARDS THE PITCH
(AVOIDING CLUBHOUSE CANOPY)



HINGED FOLD-DOWN FLOODLIGHT COLUMN
15 Metre Shaft
Scale 1:25



FOUNDATION ASSEMBLY WITH TOP TEMPLATE
TYPICAL FOUNDATION
Scale 1:20

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Legend:
INDICATIVE CABLE DUCT LAYOUT
DUCT CHAMBER
FLOODLIGHT

Rugby Class II - Training Standard

Main Pitch Floodlighting Equipment
8 x 15m Masts (M1-M8)
Each carrying the following Floodlights -> M1-M8... 2 x 2kw Sports Lights

Lamps
Osram HQI TS 2000w

Illuminance Levels
Initial - (100hrs) E.I.ave = 248Lux
Maintained - (4000hrs) E.I.ave = 207Lux

Uniformity
Emin/Eave = 0.60
Emin/Emax = 0.45

Maximum Glare Rating (GR) = 50
Grid values in Lux (initial).
Grid interval = 5m.
Contour values in Lux (initial).
Contours: 2, 5, 15, 50 Lux.

Training Pitch Floodlighting Equipment
2 x 15m Masts (M6 & M7)
Each carrying the following Floodlights -> M6 & M7... 2 x 2kw Sports Light

Lamps
Osram HQI TS 2000w

Illuminance Levels
Initial - (100hrs) E.I.ave = 72Lux
Maintained - (4000hrs) E.I.ave = 58Lux

Uniformity
Emin/Eave = 0.11
Emin/Emax = 0.04

Maximum Glare Rating (GR) = 50
Grid values in Lux (initial).
Grid interval = 5m.
Contour values in Lux (initial).
Contours: 2, 5, 15, 50 Lux.
Maintenance Factor = 0.80

Revision Details		Drawn	Check	Check	Surf
By	By	By	By	Date	
				09/04/15	

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Project
RECONFIGURATION OF CANAL PARKS

Title
PLANNING APPLICATION FLOODLIGHTING LAYOUT & COLUMN DETAIL

Scale (at A1)
1:500

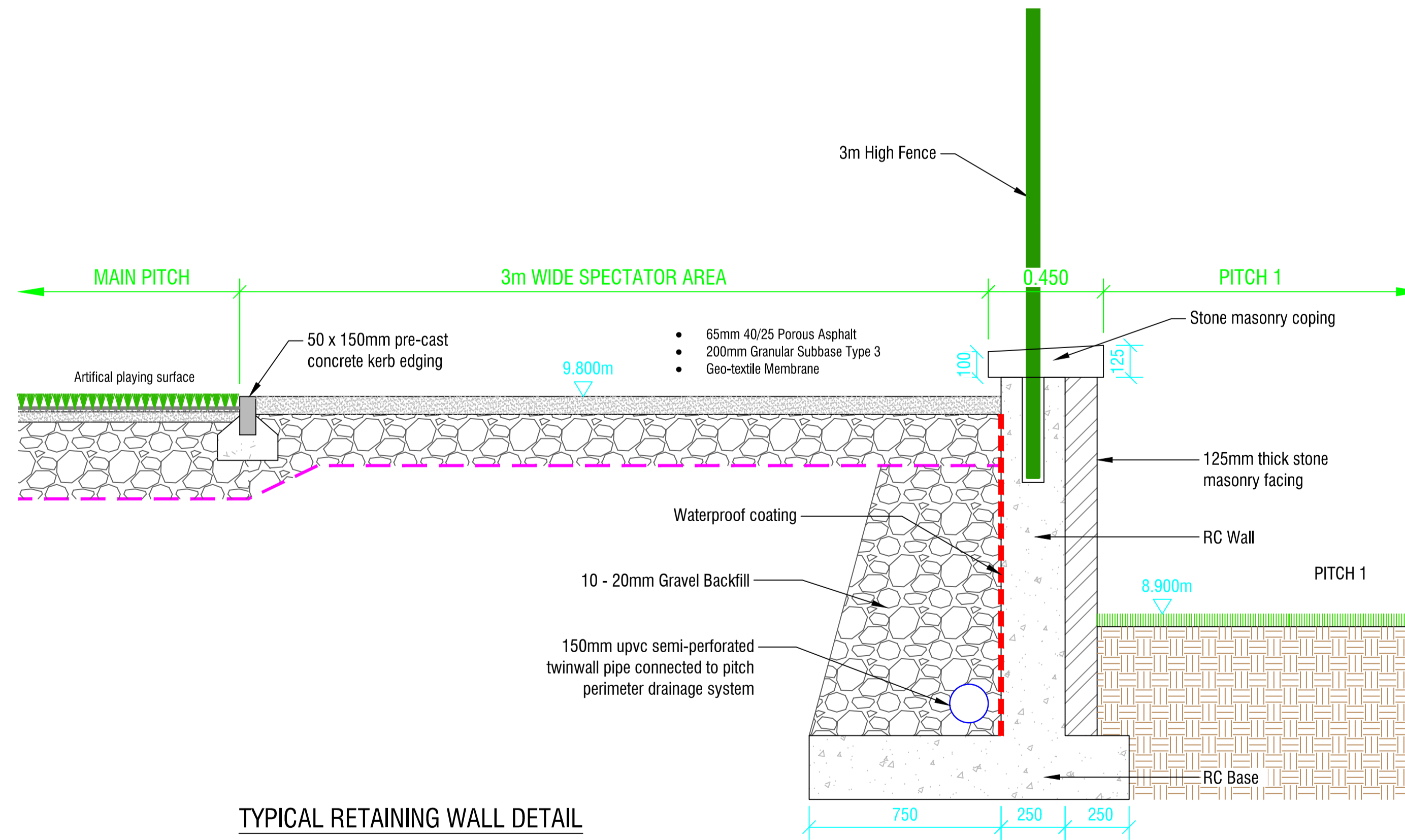
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Checked	MC	Date	09/04/2015

Project No:	HRS7141	Status:	-
Drawing No:	HRS7141 - PL24	Rev:	-

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KEY PLAN



TYPICAL RETAINING WALL DETAIL

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Project
RECONFIGURATION OF CANAL PARKS

Title
PLANNING APPLICATION PROPOSED RETAINING WALL DETAIL

Scale (at A1)
1:15

Drawn	MS	Date	09/04/2015
Checked	MC	Date	09/04/2015

Project No: **HRS7141** Status: -

Drawing No: **HRS7141 - PL25** Rev: -

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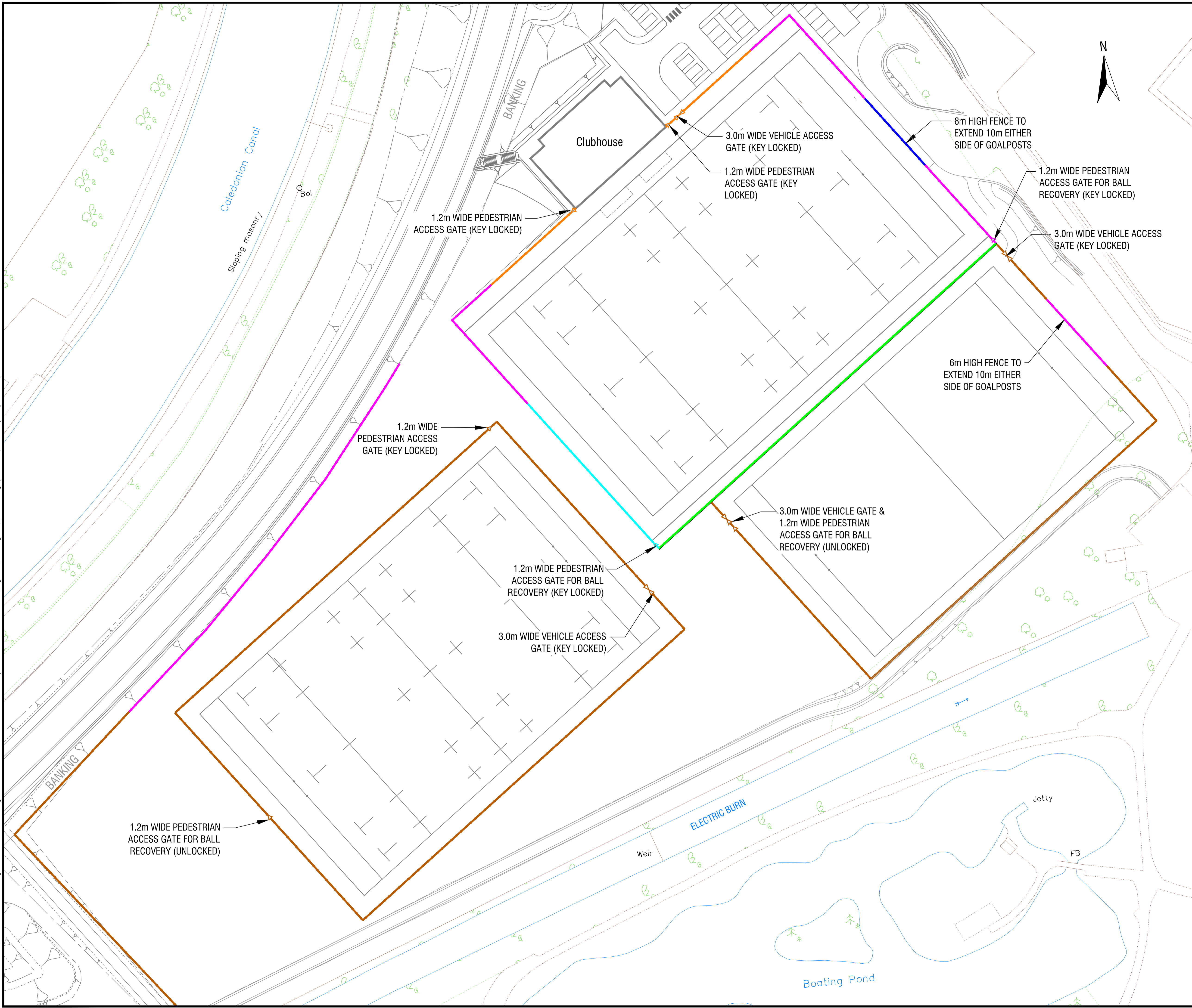
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Legend:

- 8m HIGH BALLSTOP FENCE
- 6m HIGH BALLSTOP FENCE
- 4m HIGH BALLSTOP FENCE
- 3m HIGH BALLSTOP FENCE
- 2m HIGH BALLSTOP FENCE
- 1.2m HIGH TIMBER POST & CHAINLINK FENCE



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Project

RECONFIGURATION OF CANAL PARKS

Title

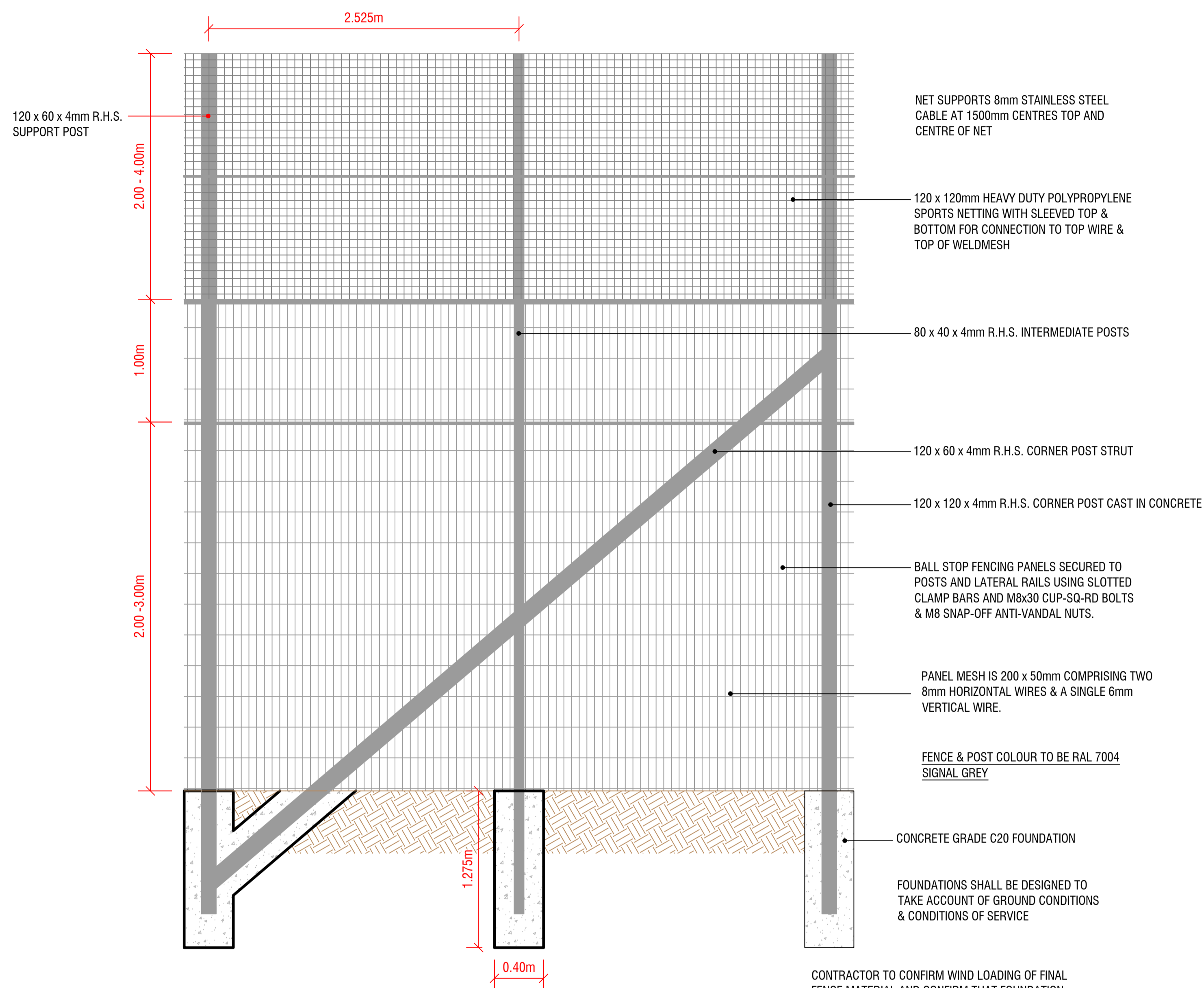
PLANNING APPLICATION PROPOSED FENCE LAYOUT

Scale (at A1) **1:500**

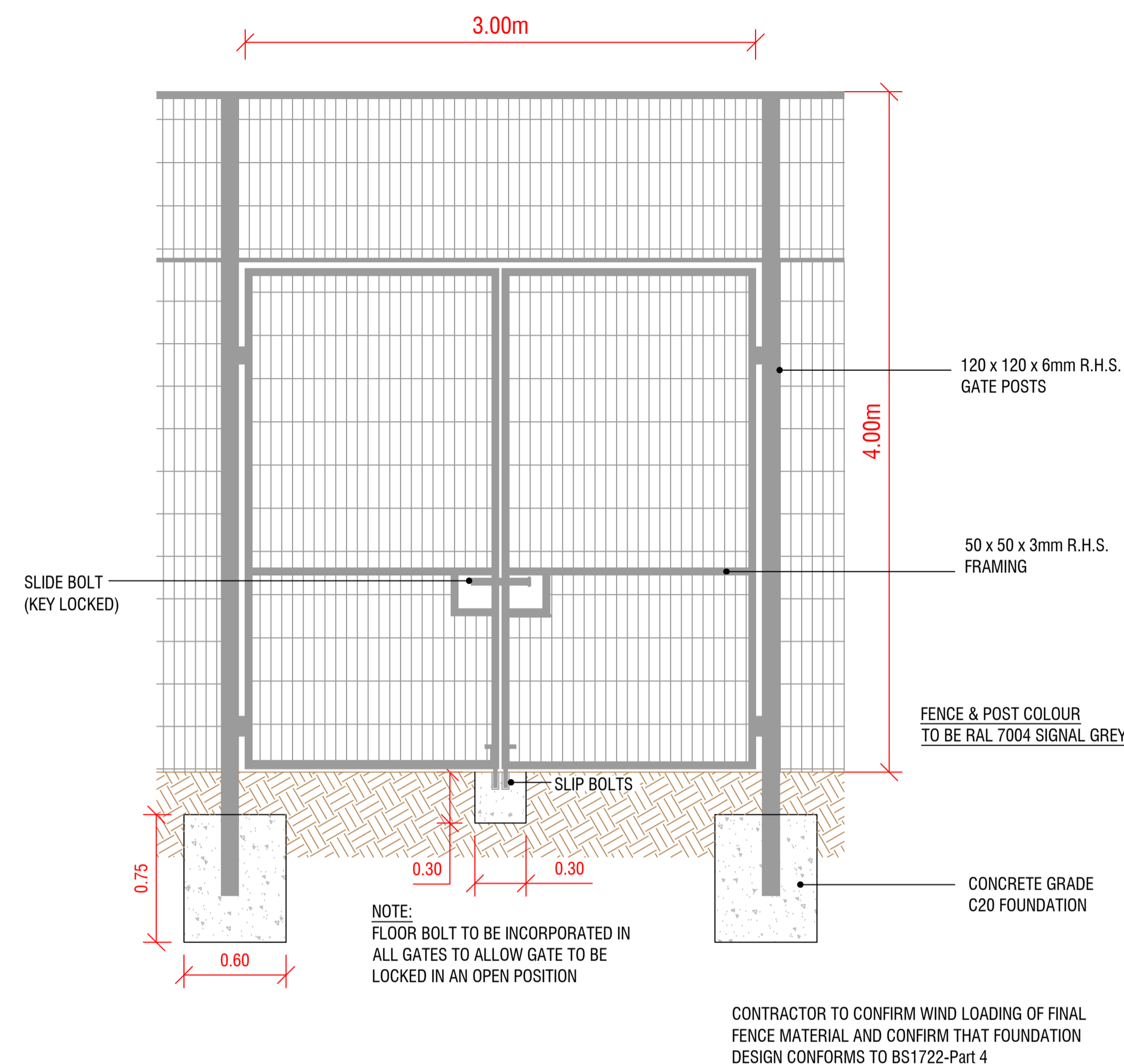
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Checked	MC	Date	09/04/2015

Project No:	HRS7141	Status:	-
Drawing No:	HRS7141 - PL26	Rev:	-

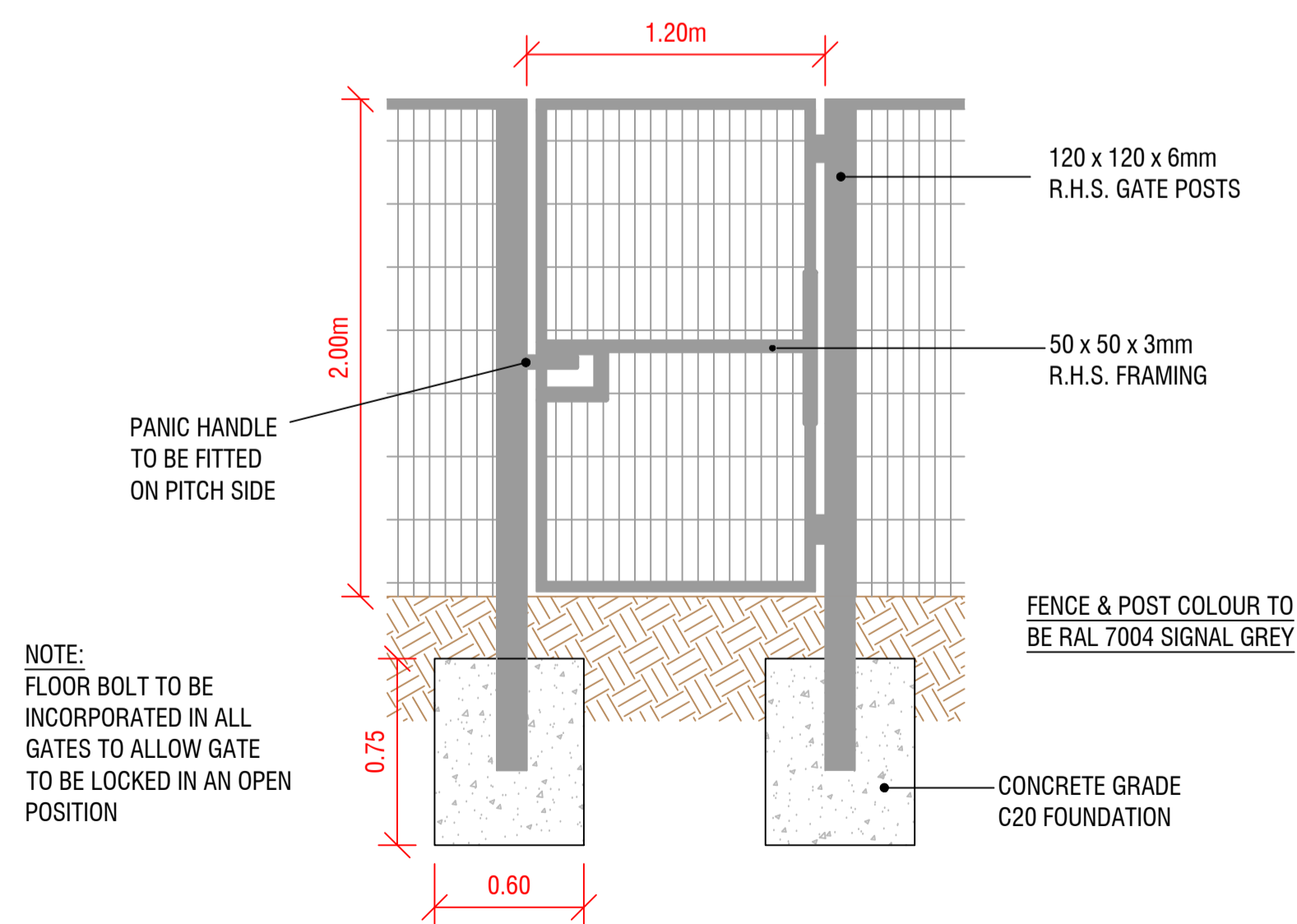
**BALL-STOP FENCE
 2 - 8m HIGH**



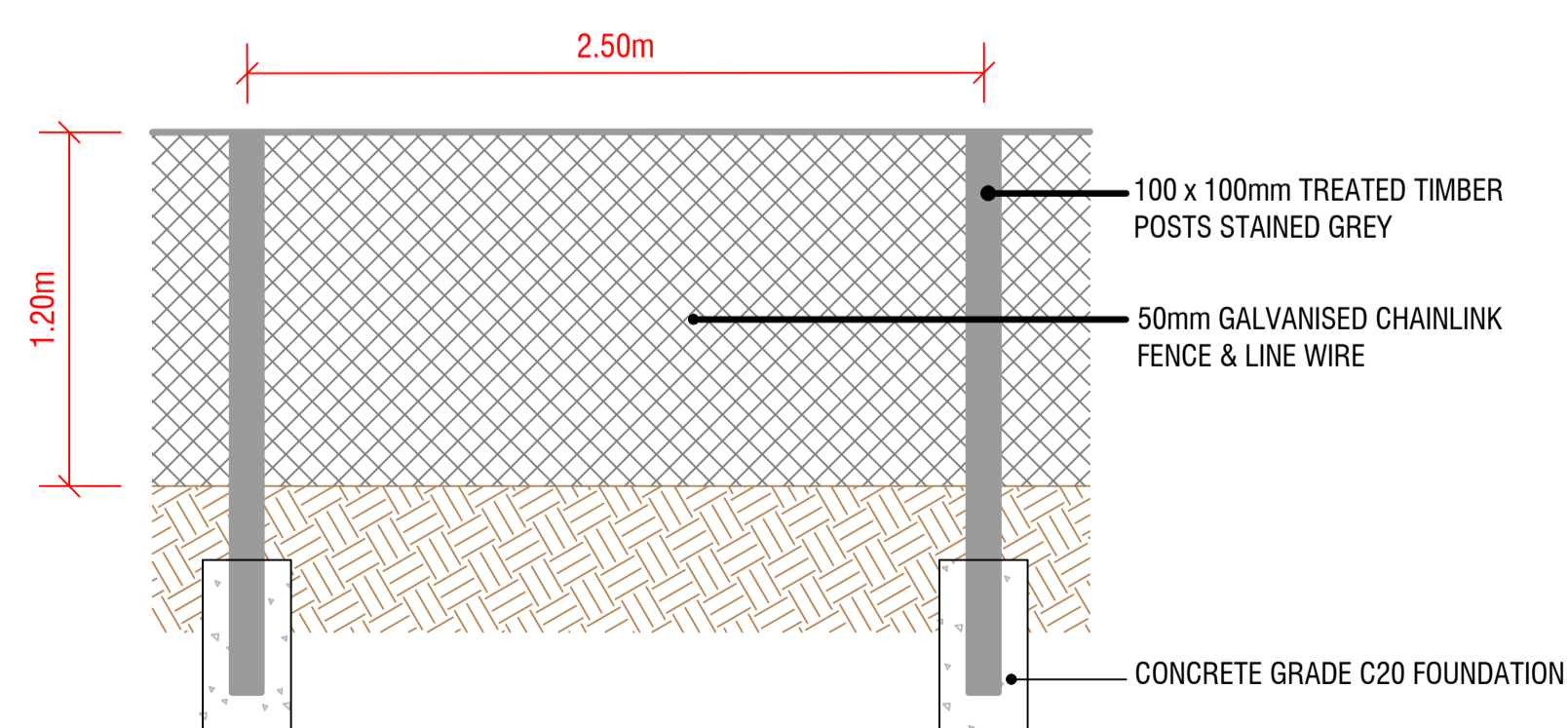
**3m WIDE DOUBLE LEAF MAINTENANCE
 ACCESS GATE (TO 4m HIGH FENCE)**



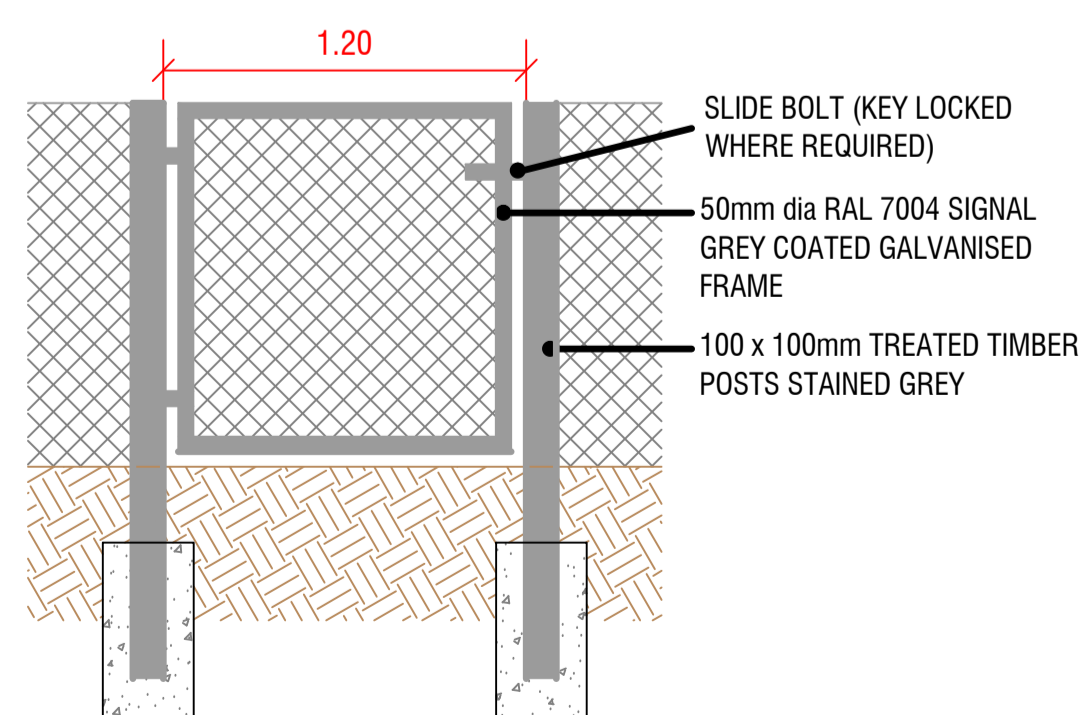
**1.2m WIDE SINGLE LEAF
 PEDESTRIAN ACCESS GATE
 (TO 2m HIGH FENCE)**



1.2m HIGH CHAINLINK FENCE



**1.2m WIDE SINGLE LEAF
 PEDESTRIAN ACCESS GATE
 (TO 1.2m HIGH FENCE)**



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Note:

3m wide double leaf access gate to be fitted in 4m & 1.2m high fences

1.2m wide single leaf access gate to be fitted in 1.2m, 2m, 4m & 6m high fences

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**RECONFIGURATION OF
 CANAL PARK**

**PLANNING APPLICATION
 PROPOSED FENCE DETAILS**

Scale (at A1) **1:25**

Drawn	MS	Date	10/04/2015
Checked	MC	Date	10/04/2015

Project No:	HRS7141	Status:	-
Drawing No:	HRS7141 - PL27	Rev:	-

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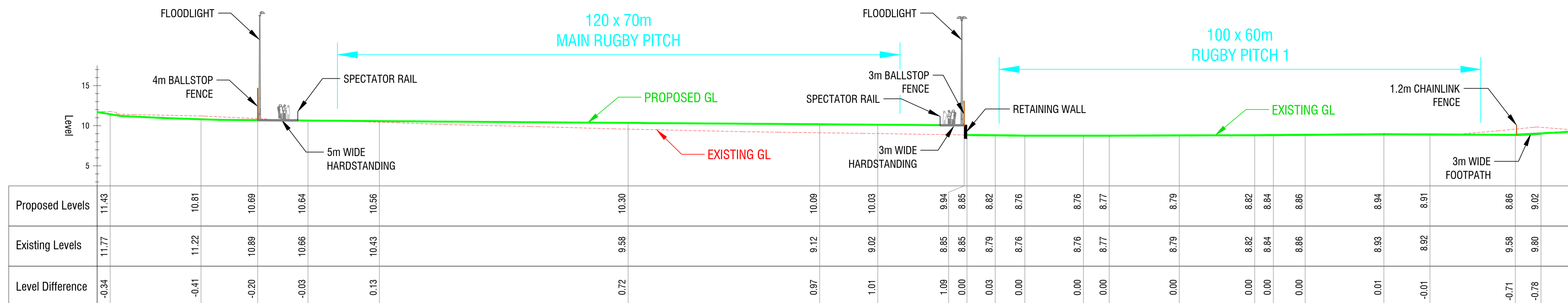
Project
RECONFIGURATION OF CANAL PARKS

Title
PLANNING APPLICATION SITE SECTIONS

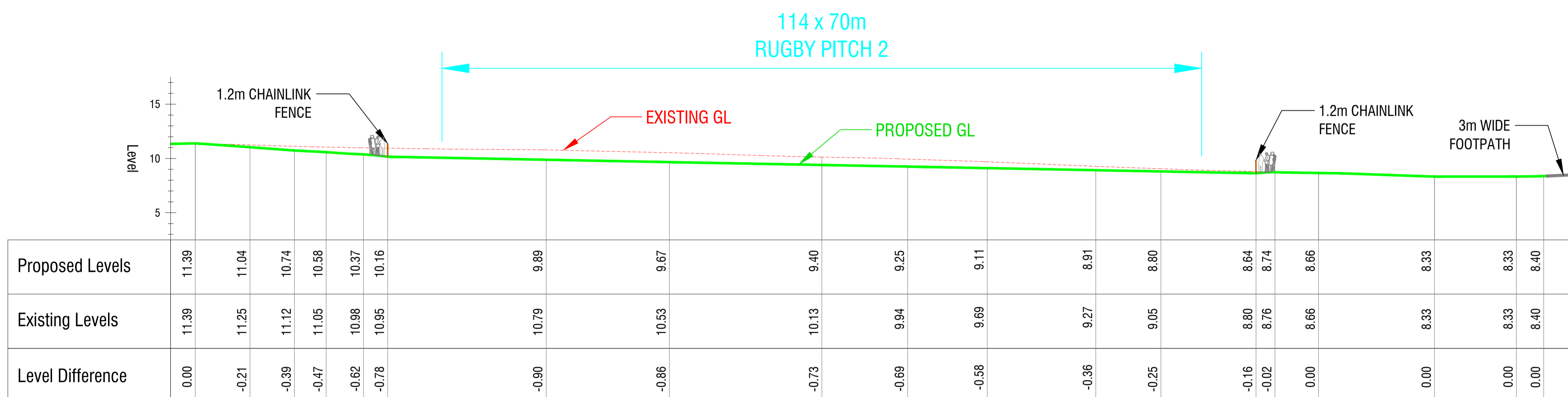
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Drawn	MS	Date	09/04/2015
Checked	MC	Date	09/04/2015

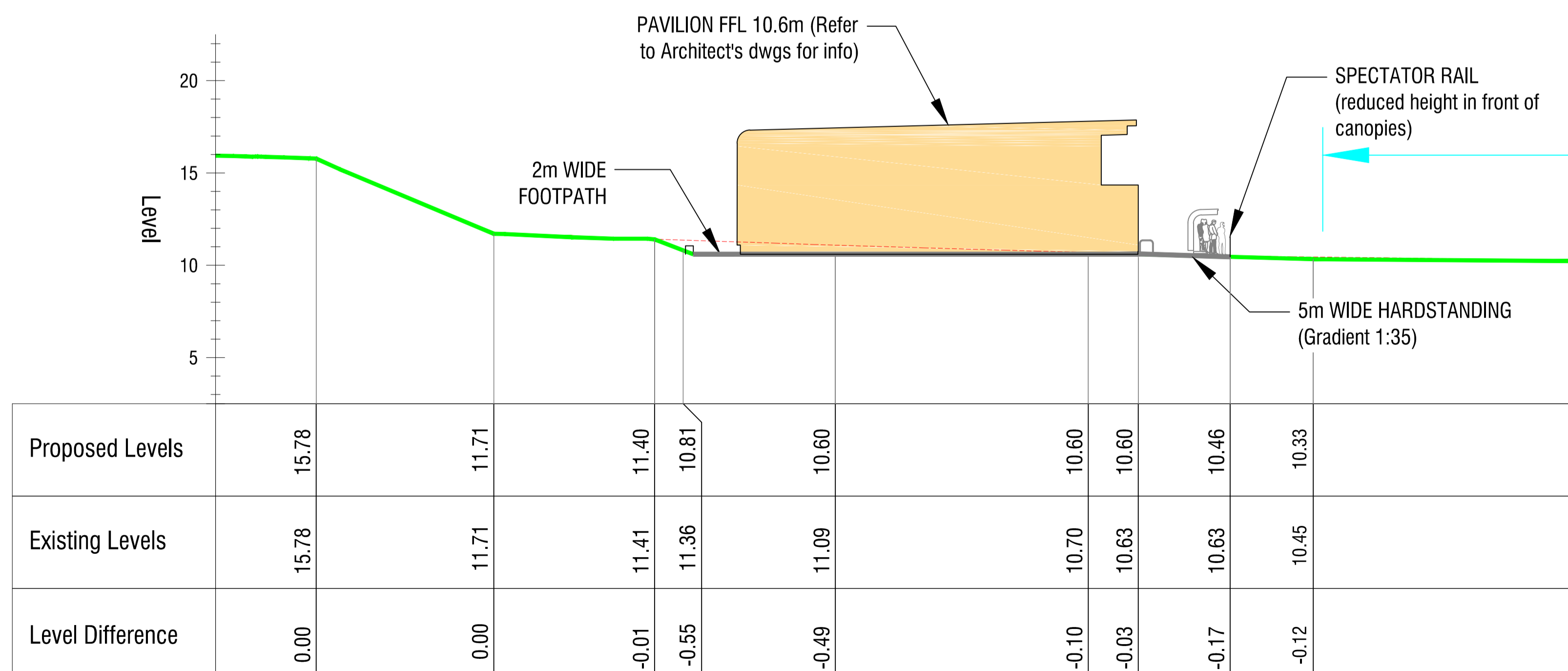
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Drawing No:	HRS7141 - PL28	Rev:	-



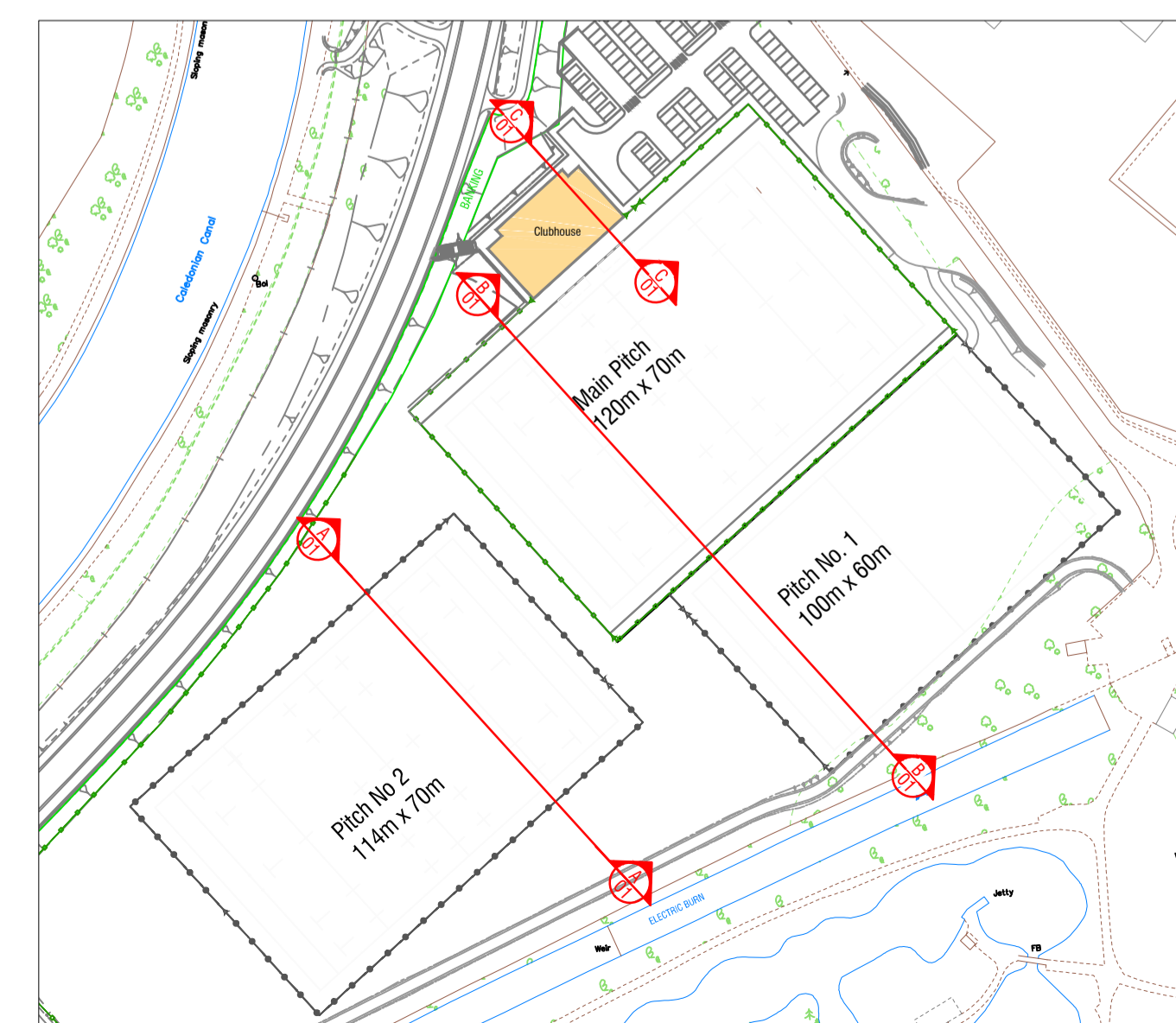
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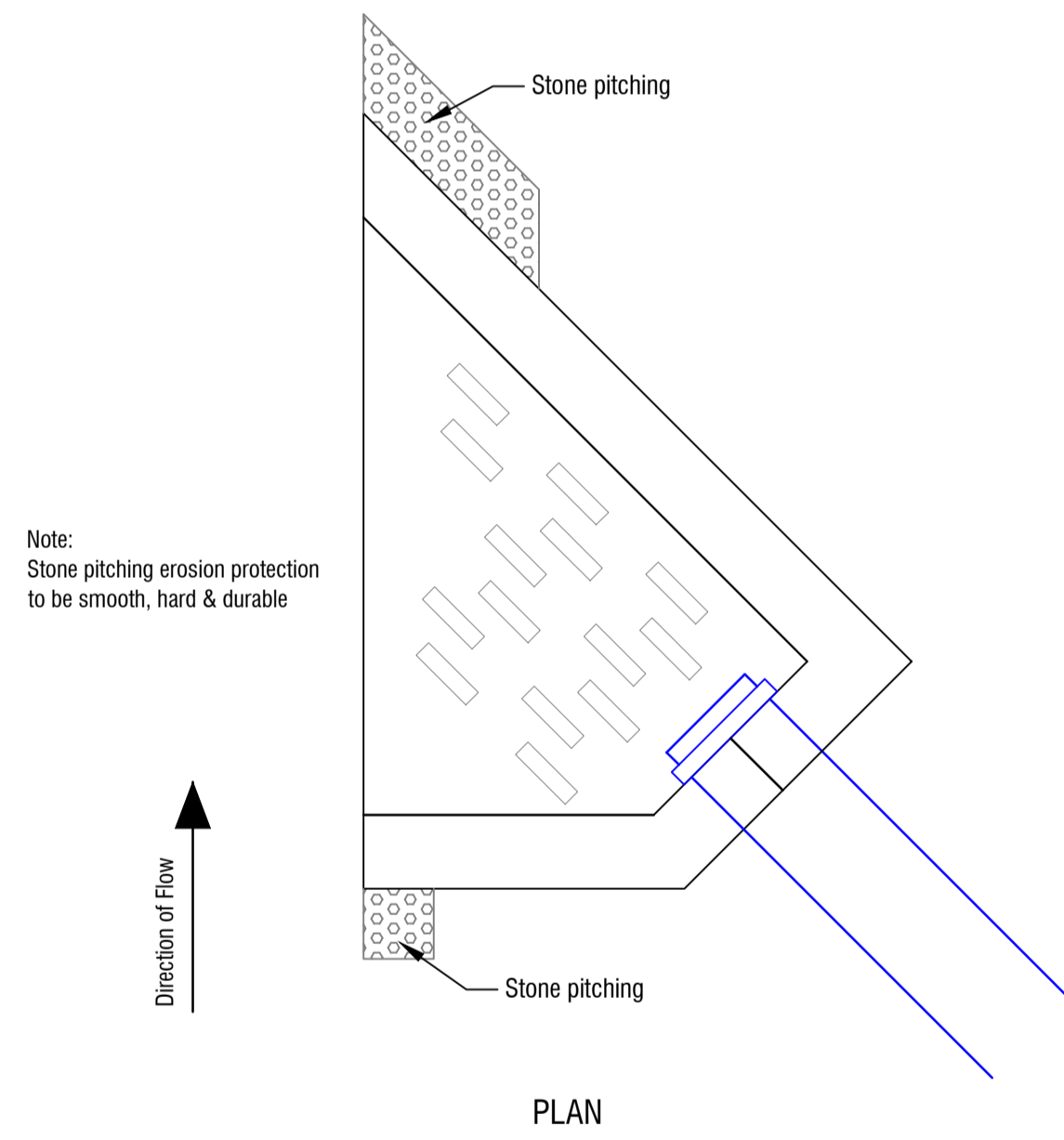
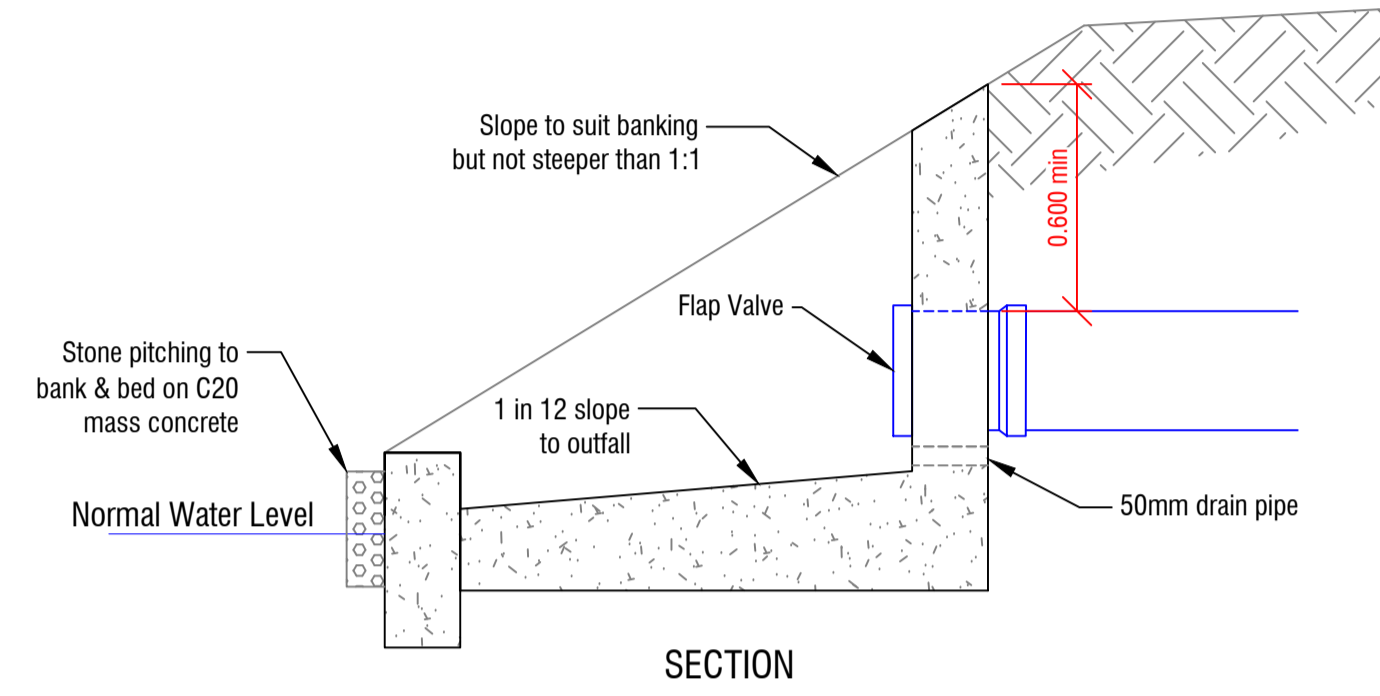
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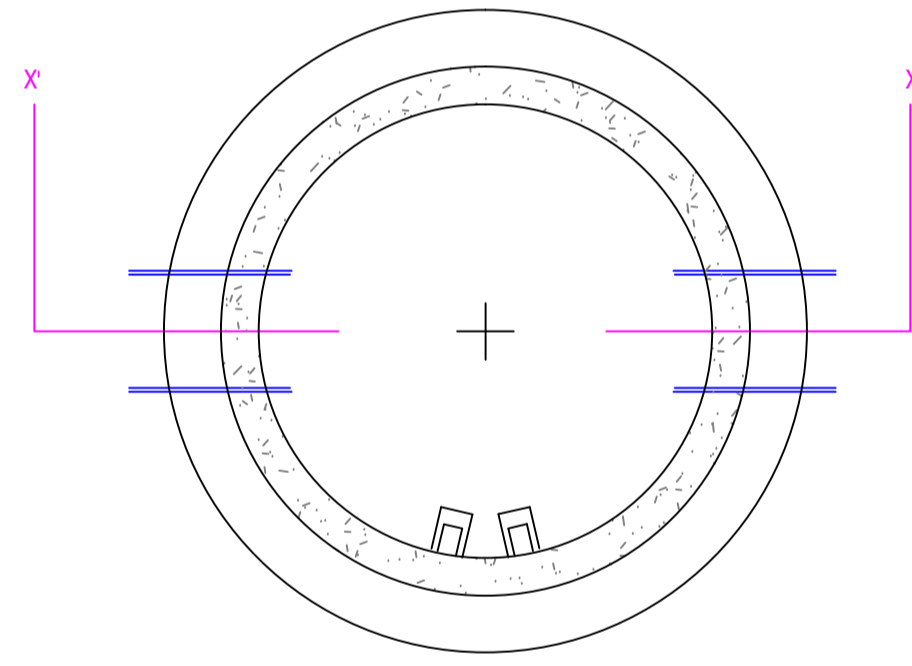
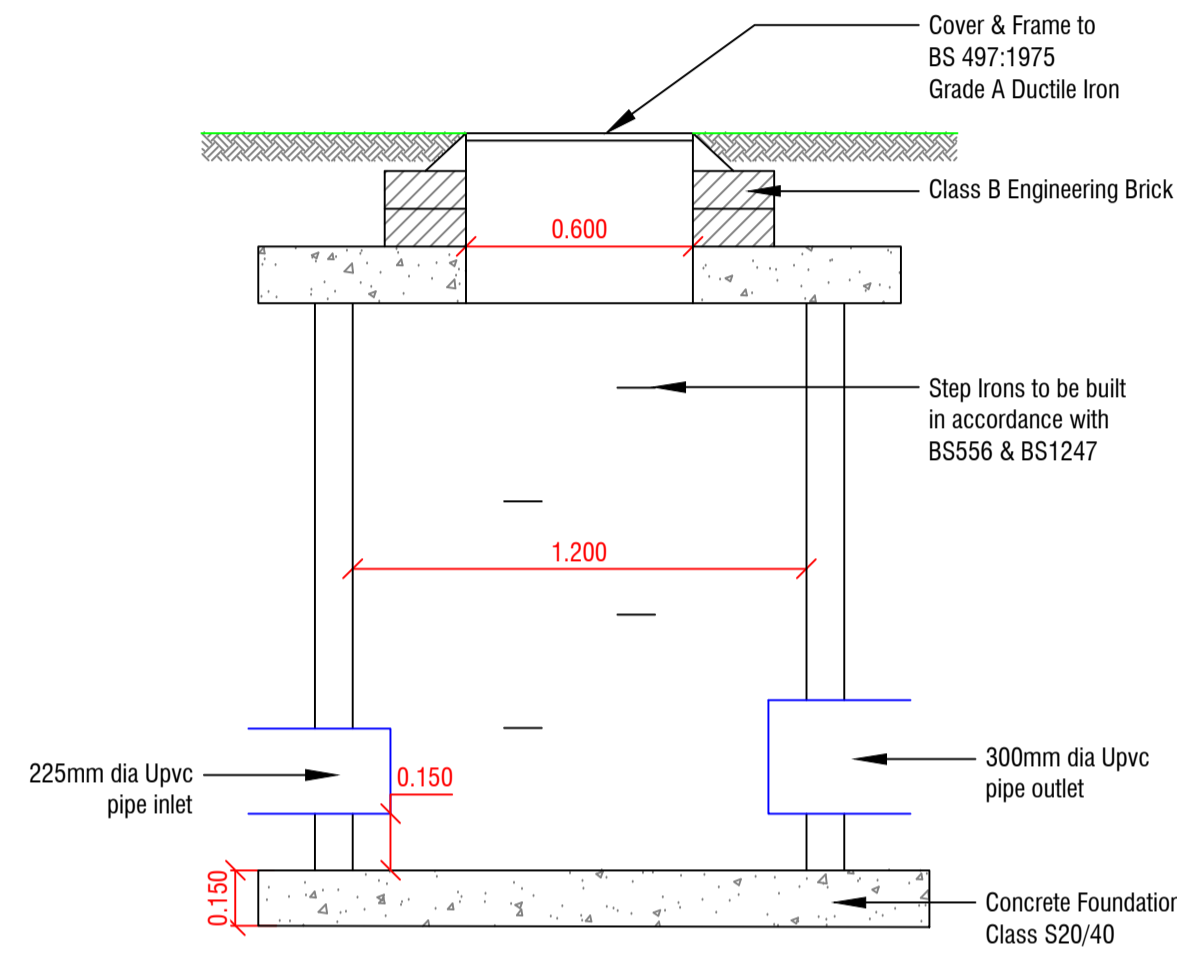
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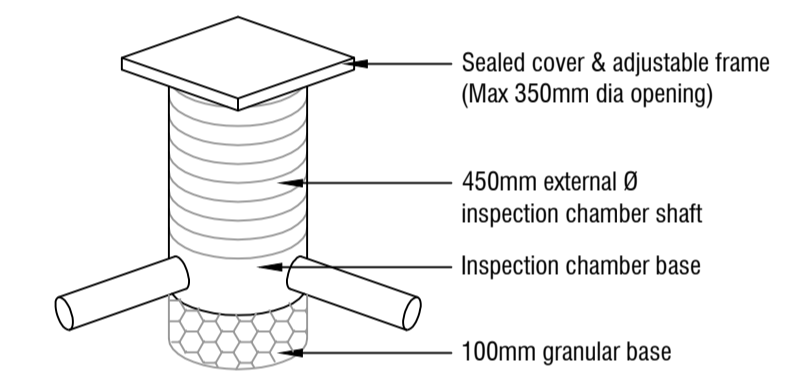
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TYPICAL HEADWALL DETAIL WITH BAFFLE BLOCKS



TYPICAL PRE-CAST CONCRETE SILT TRAP MANHOLE



TYPICAL INSPECTION CHAMBER

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Project

RECONFIGURATION OF CANAL PARKS

Title

PLANNING APPLICATION PROPOSED PITCH DRAINAGE DETAILS

Scale (at A1)

1:20

Drawn	MS	Date	09/04/2015
Checked	MC	Date	09/04/2015

Project No: **HRS7141** Status: -

Drawing No: **HRS7141 - PL29** Rev: -