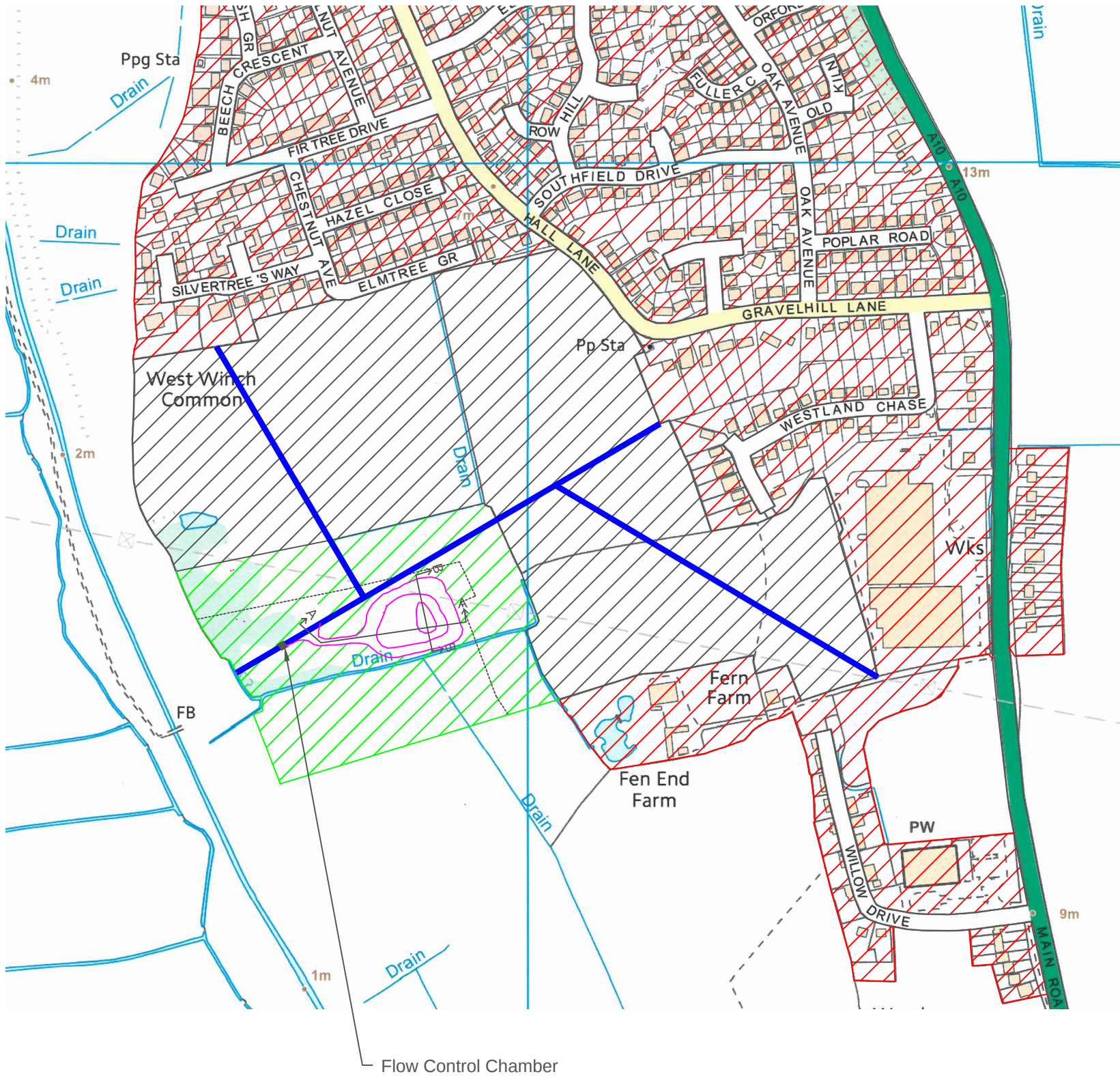
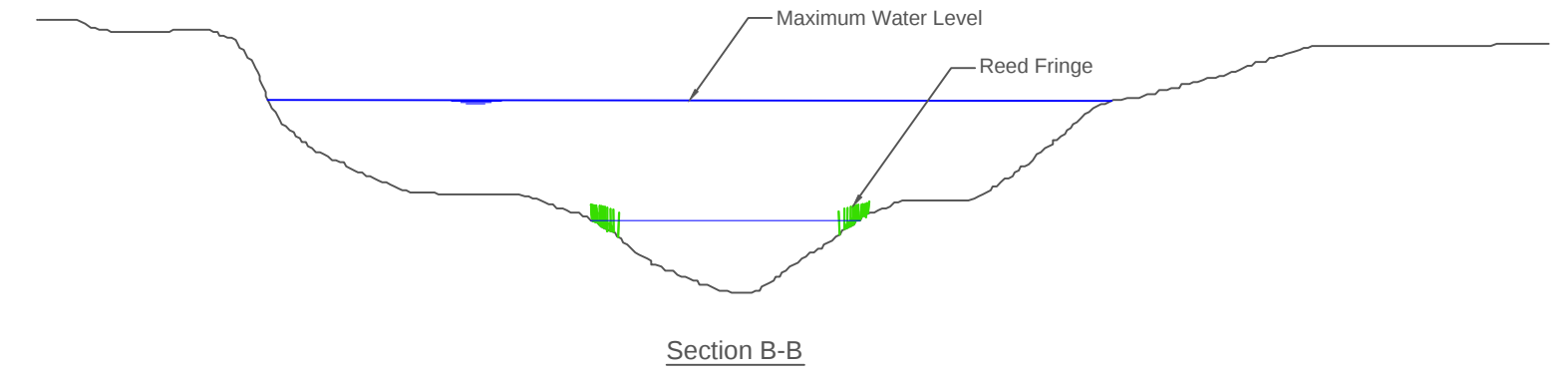
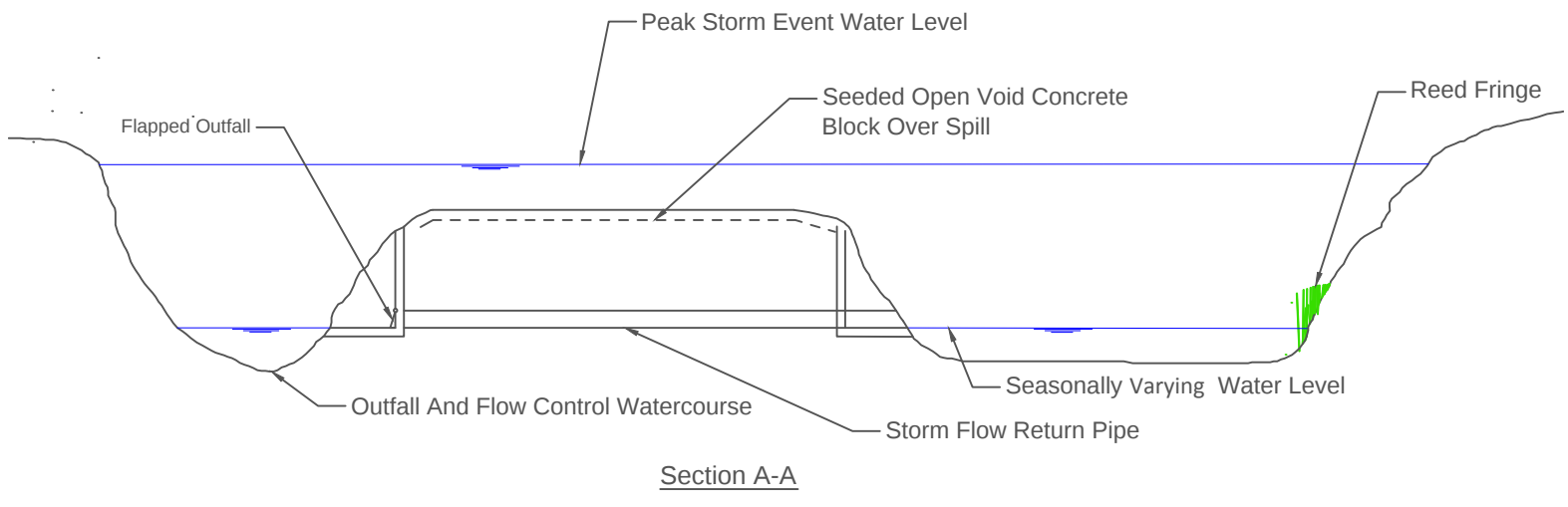


North Runcton & West Winch Surface Water Management Strategy

Drawings



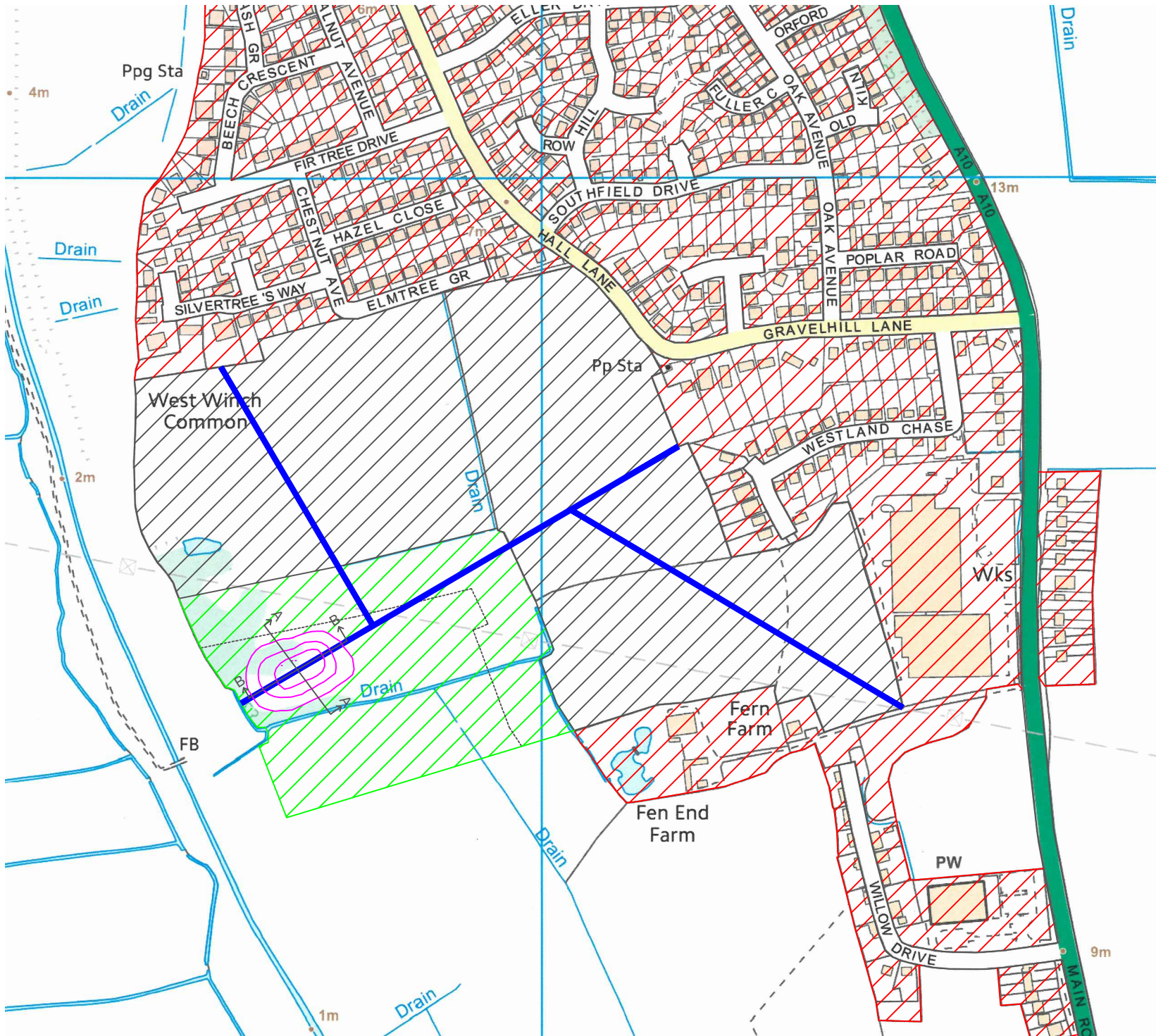
- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - 40m Boundary for standing Water
 - Proposed Storage Lagoon
 - Contour Line
 - Cross Section
 - New Drains



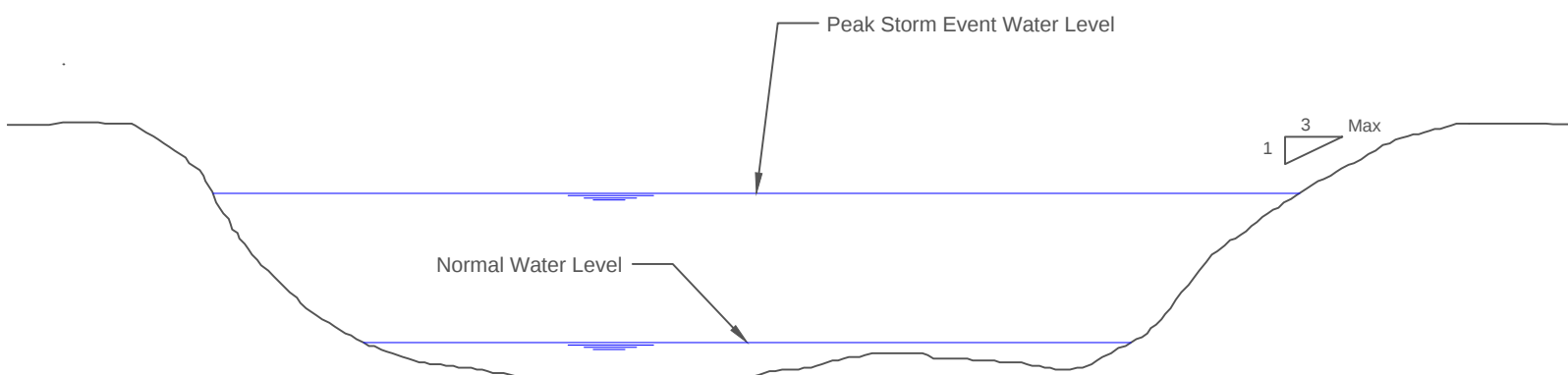
- Notes
- Sections Have An Exaggerated Vertical Scale.

REV.	AMENDMENTS
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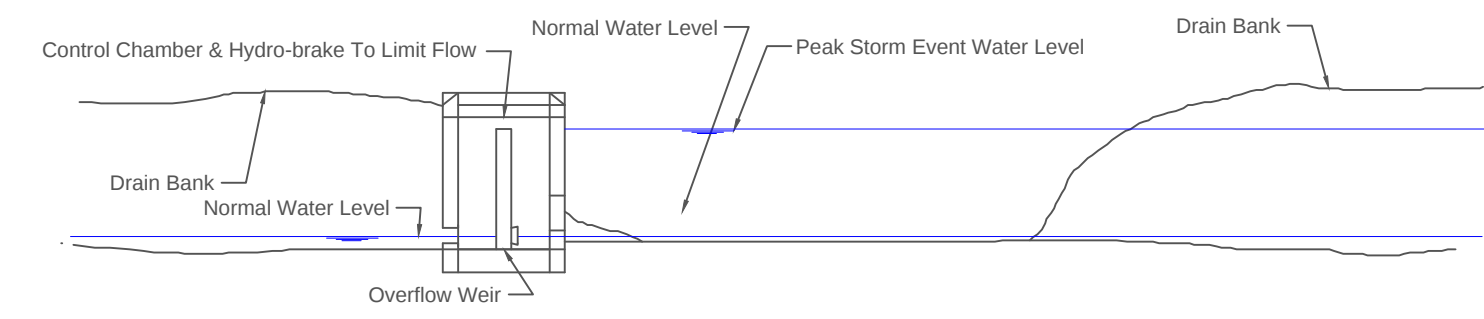
MIDDLE LEVEL COMMISSIONERS		
D.Thomas B.Eng M.C.M.I Chief Engineer		
SCHEME North Runcton & West Winch Surface Water Management Plan		
Example outline design		
TITLE Zone one option A proposed layout		
DRAWN LM	DESIGN DT/LM	CHECKED DT
SCALE Not to scale	DRAWING No. 310/PL/11/Sketch1	
DATE Jan 2014	REV.	



- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - 40m Boundary for standing Water
 - Proposed Storage Pond
 - Contour Line
 - Cross Section
 - New Drains



Section A-A



Section B-B

- Notes
- Sections Have An Exaggerated Vertical Scale.

REV.	AMENDMENTS
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MIDDLE LEVEL COMMISSIONERS

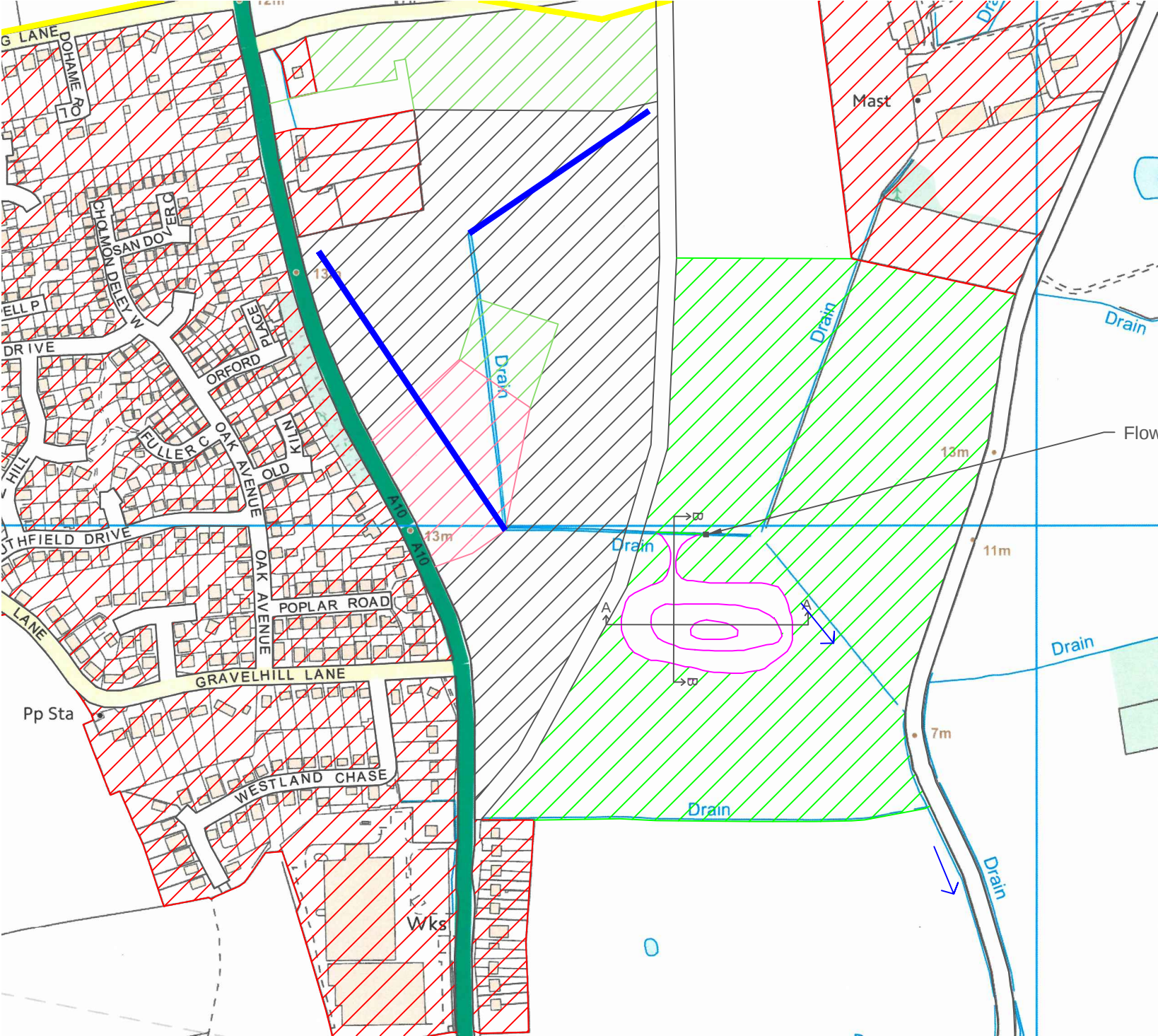
D.Thomas B.Eng M.C.M.I Chief Engineer

SCHEME
North Runcton & West Winch
Surface Water Management Plan

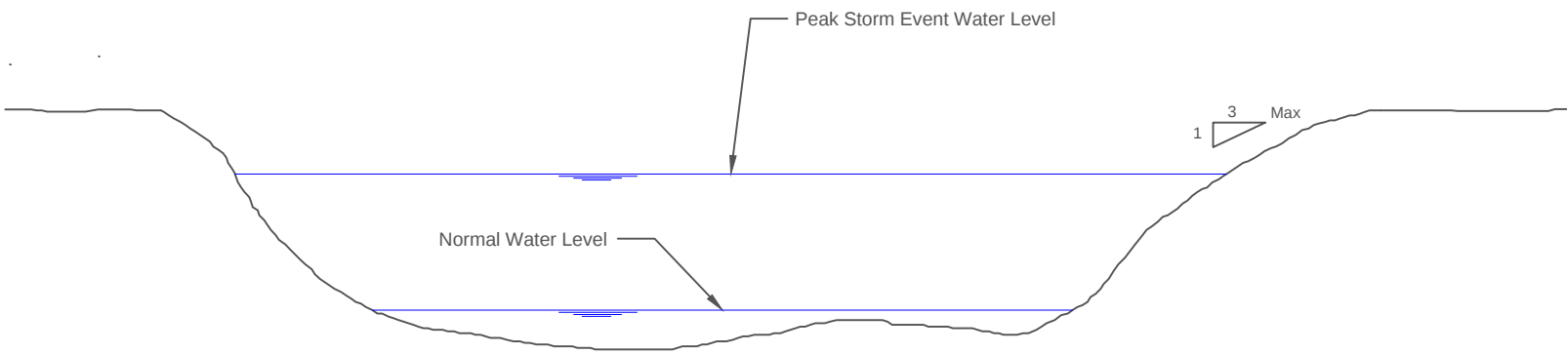
Example outline design

TITLE
Zone one option B proposed layout

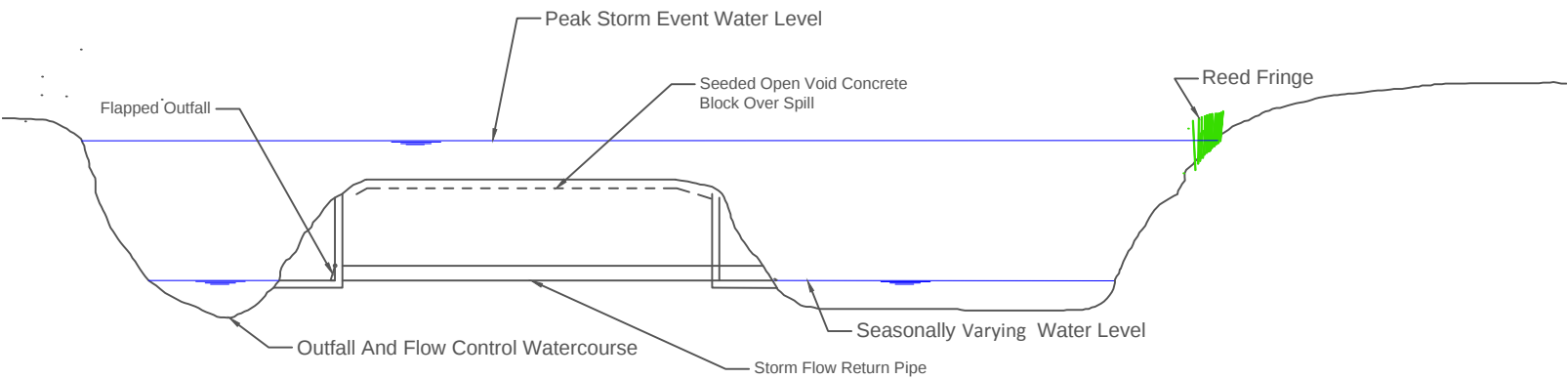
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SCALE Not to scale	DRAWING No. 310/PL/11/Sketch2	
DATE Jan 2014	REV.	



- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - Green space
 - Village Hub areas
 - High Pressure Gas Main
 - 40m Boundary For Standing Water
 - Proposed Storage Lagoon
 - Contour Line
 - Cross Section
 - New Drains



Section A-A



Section B-B

Notes

- Sections Have An Exaggerated Vertical Scale.

REV. AMENDMENTS

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North Runcton & West Winch
Surface Water Management Plan

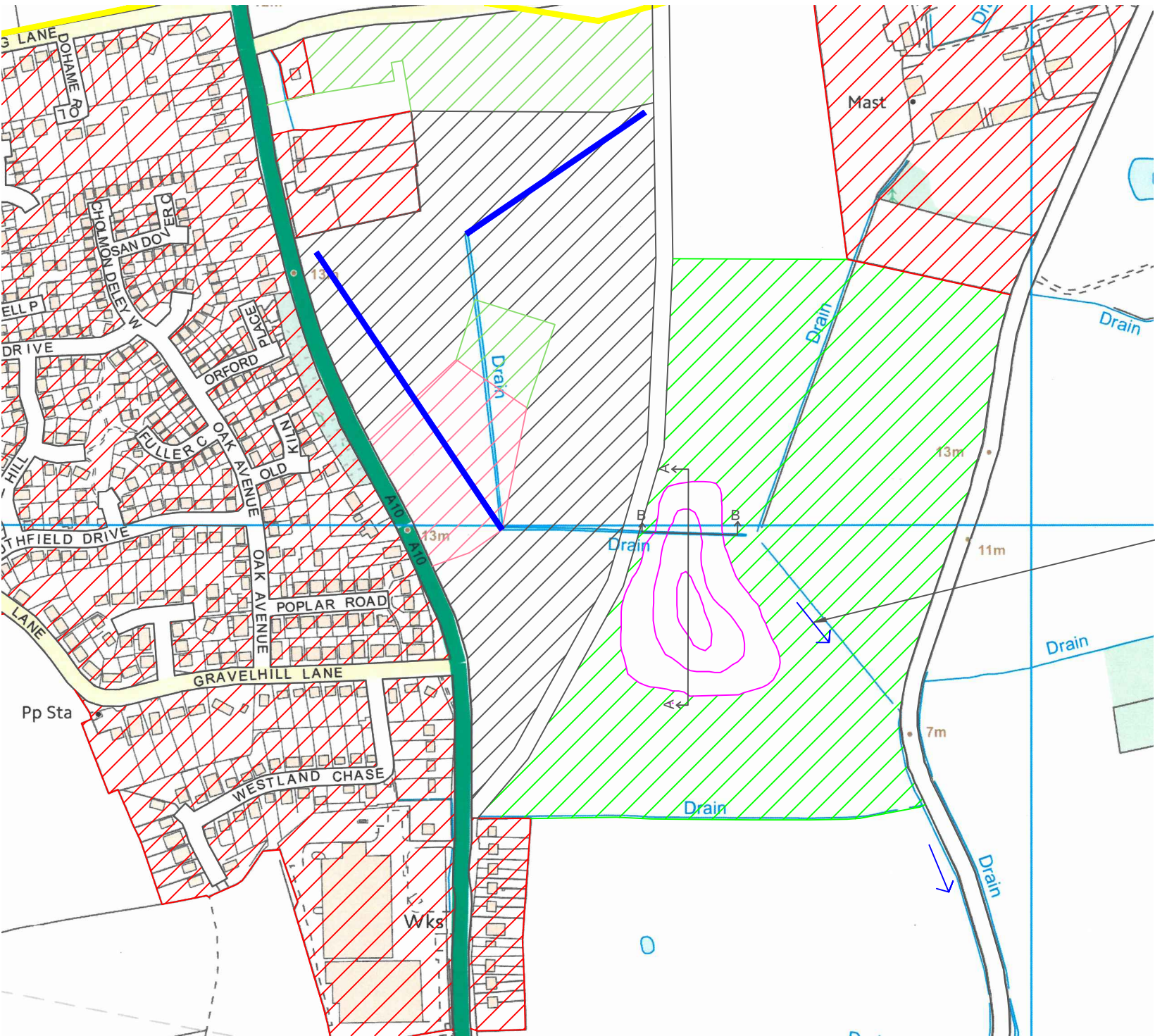
Example outline design

TITLE
Zone two option A proposed layout

DRAWN	DESIGN	CHECKED
LM	DT/LM	DT

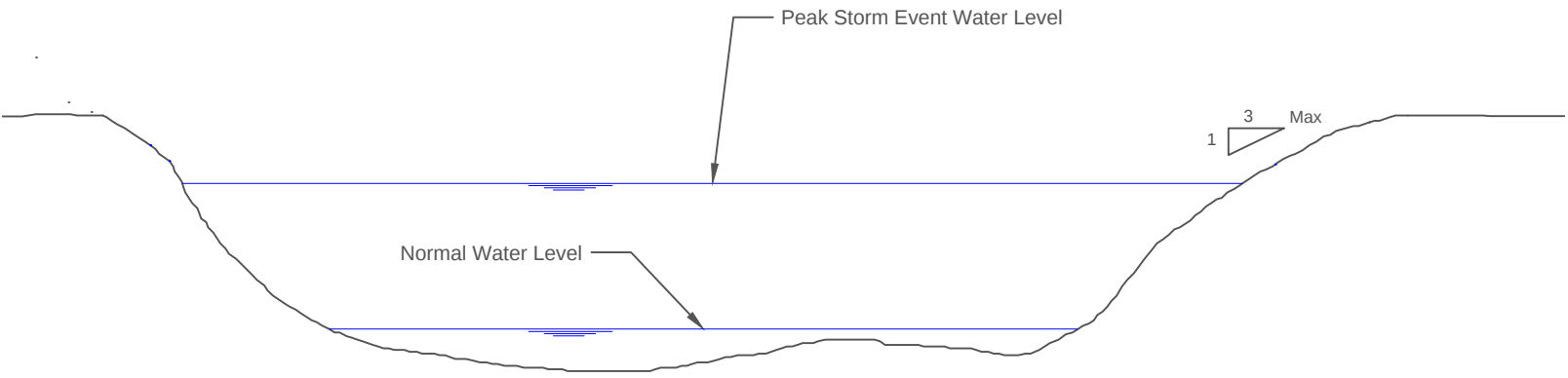
SCALE	DRAWING No.
Not to scale	310/PL/11/Sketch5

DATE	REV.
Feb 2014	

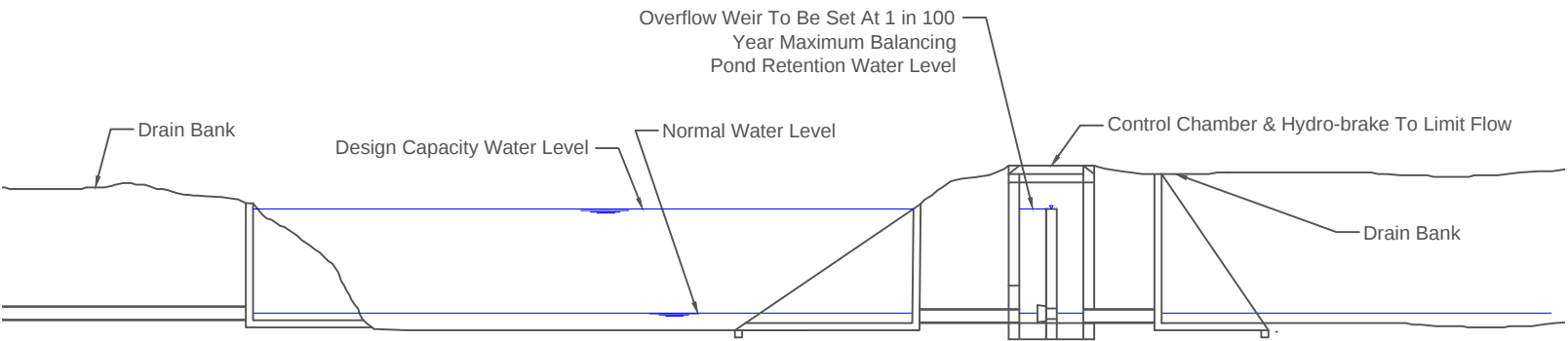


- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - Green space
 - Village Hub areas
 - High Pressure Gas Main
 - 40m Boundary For Standing Water
 - Proposed Storage Pond
 - Contour Line
 - Cross Section
 - New Drains

Discharge From New Balancing Pond To Be Via Existing Watercourse. These To Be Inspected And Improved If Necessary To Take The Existing Catchments And Design Controlled Outflow From The Pond.



Section A-A



Section B-B

Notes

- Sections Have An Exaggerated Vertical Scale.

REV. AMENDMENTS

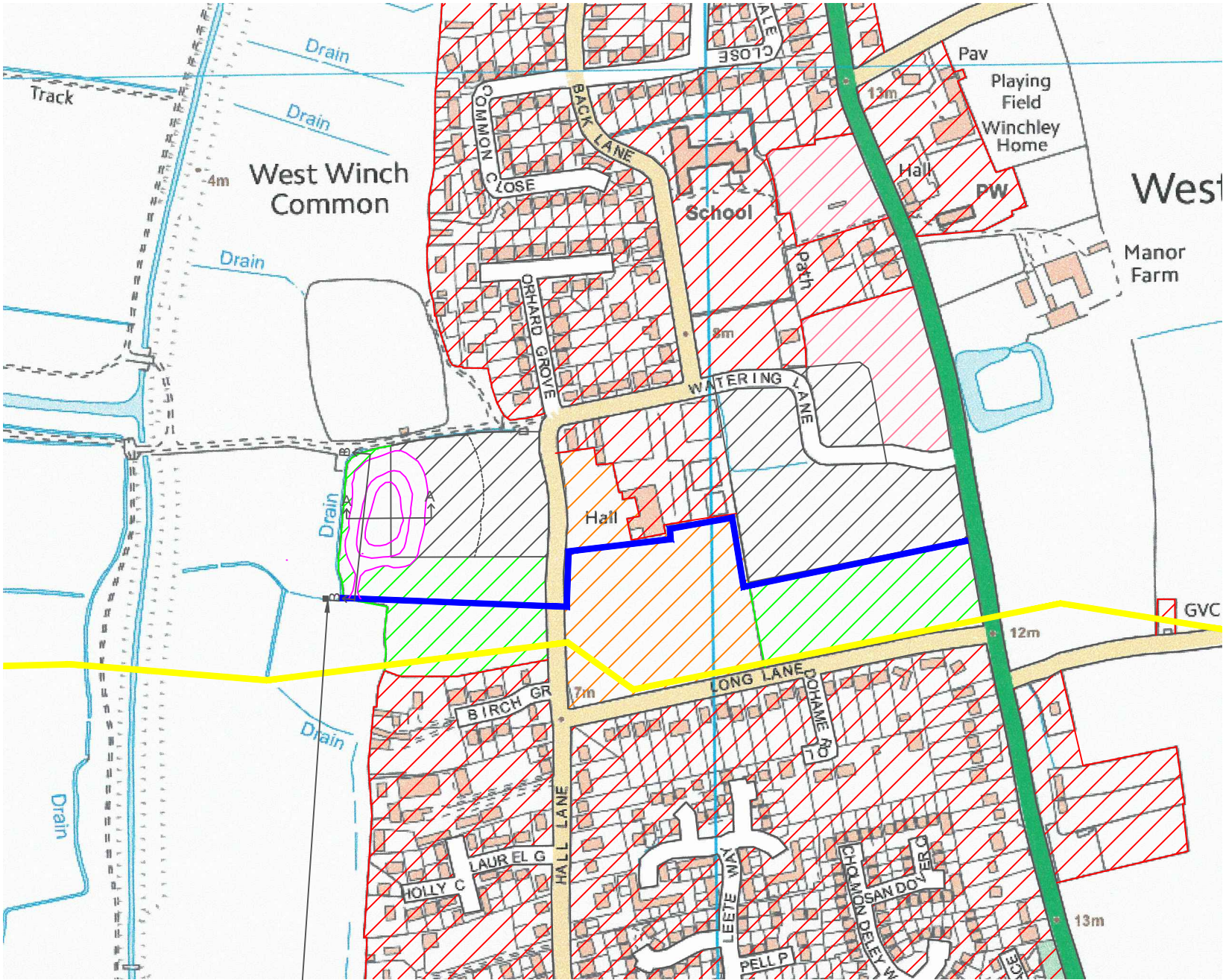
MIDDLE LEVEL COMMISSIONERS
D.Thomas B.Eng M.C.M.I Chief Engineer

North Runcion & West Winch Surface Water Management Plan

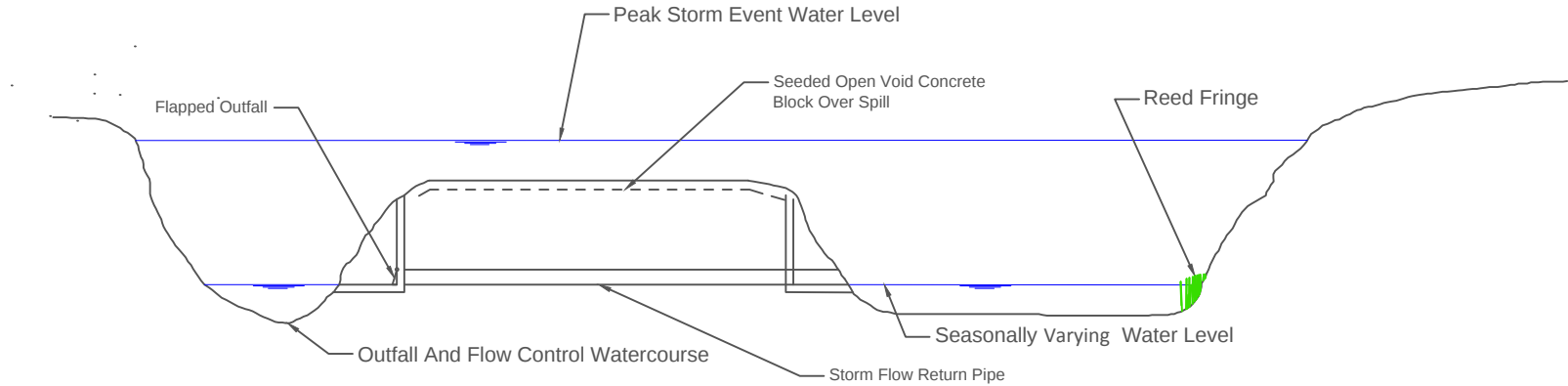
Example outline design

Area two option B proposed layout

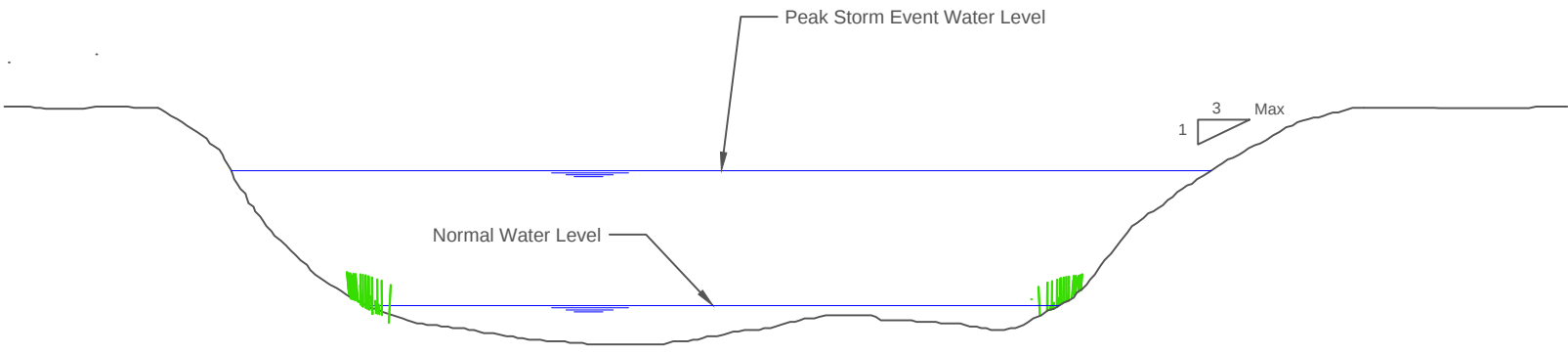
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LM	DT/LM	DT
SCALE	DRAWING No.	
Not to scale	310/PL/11/Sketch6	
DATE	REV.	
Feb 2014		



- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - Playing Field
 - Village Hub areas
 - High Pressure Gas Main
 - 40m Boundary For Standing Water
 - Proposed Storage Lagoon
 - Contour Line
 - Cross Section
 - New Drains



Section A-A



Section B-B

- Notes
- Sections Have An Exaggerated Vertical Scale.

REV. AMENDMENTS

MIDDLE LEVEL COMMISSIONERS

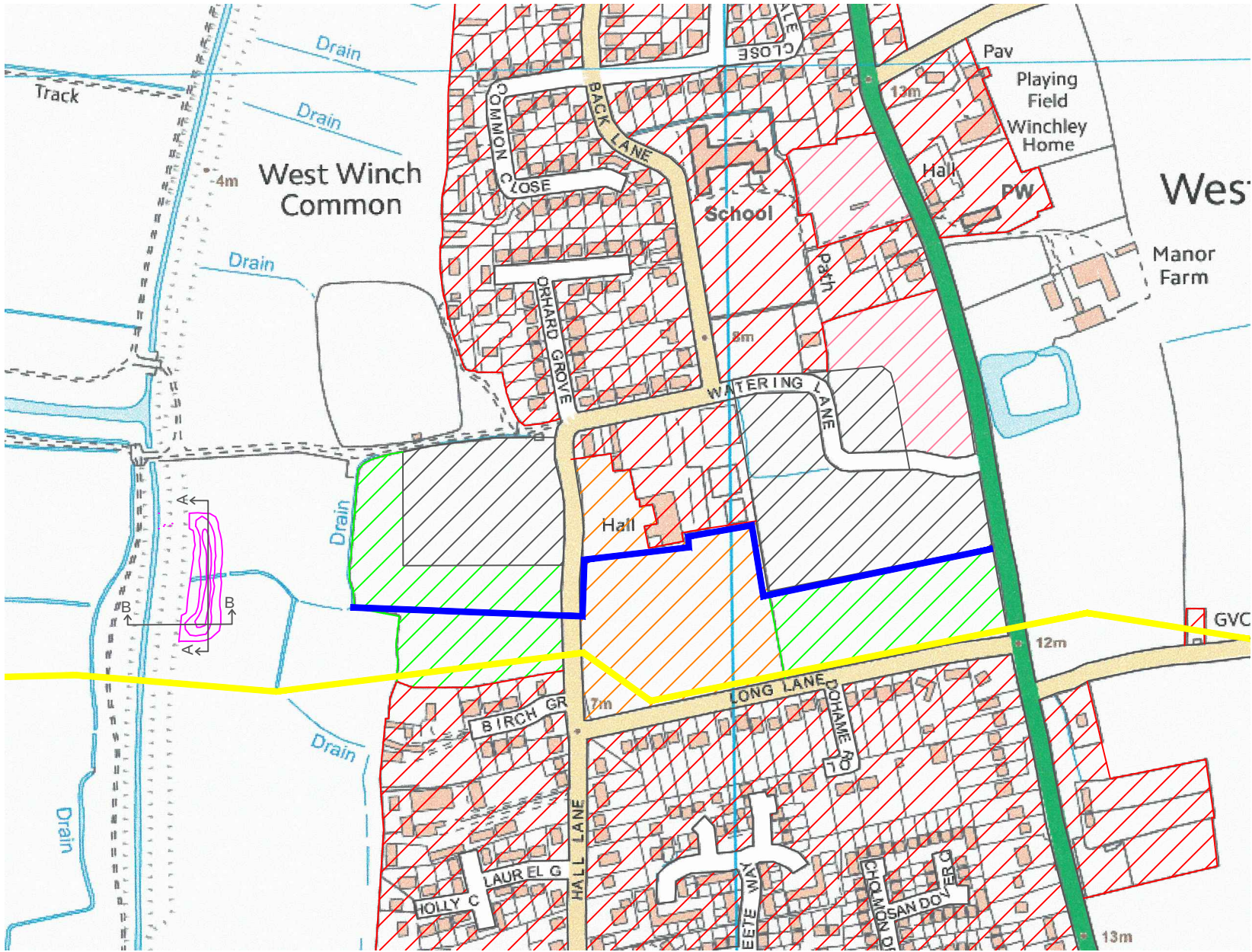
D.Thomas B.Eng M.C.M.I Chief Engineer

SCHEME
North Runcton & West Winch
Surface Water Management Plan

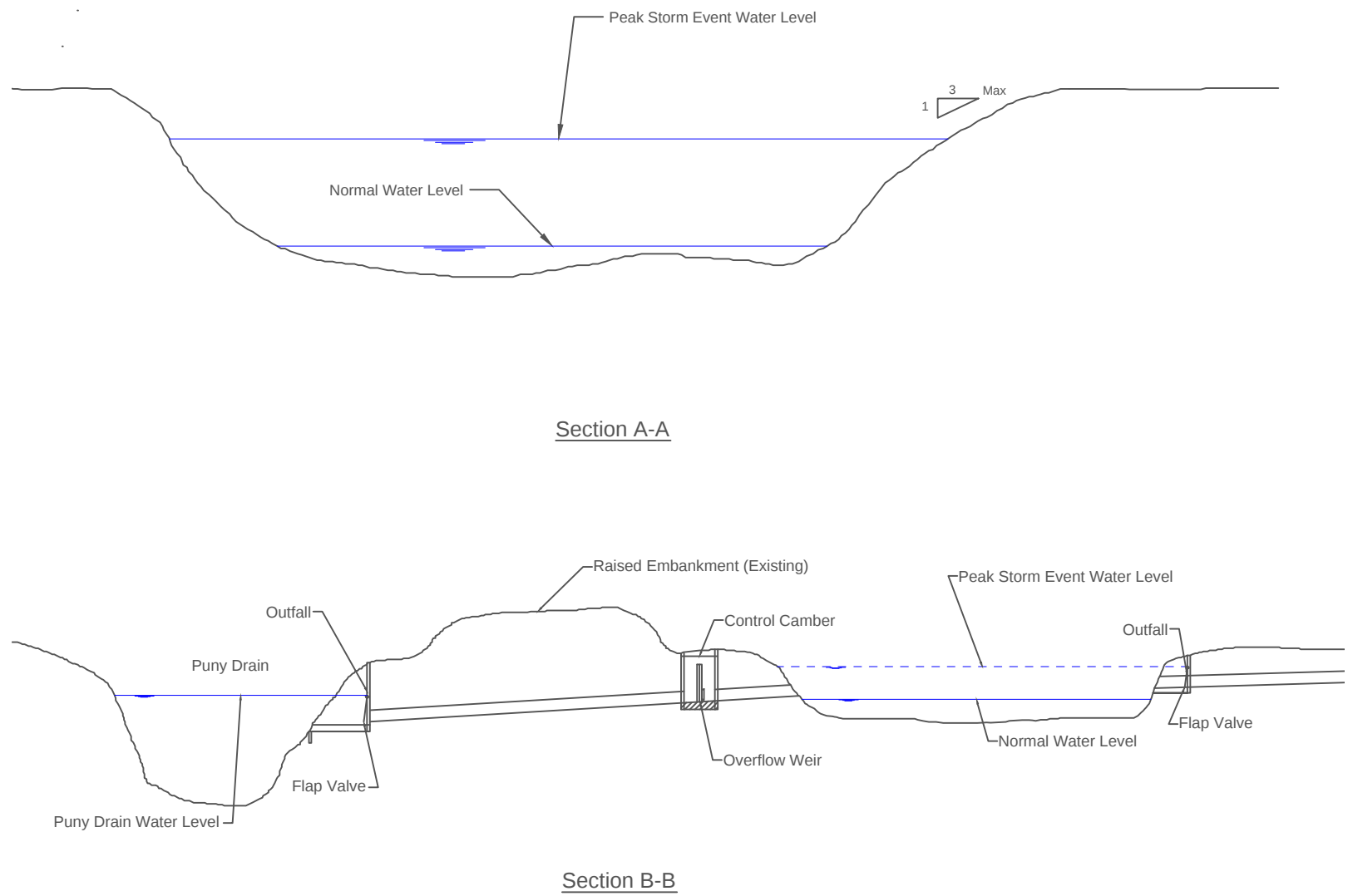
Example outline design

TITLE
Zone three option A proposed
layout

DRAWN	DESIGN	CHECKED
LM	DT/LM	DT
SCALE Not to scale	DRAWING No. 310/PL/11/Sketch3	
DATE Feb 2014	REV.	

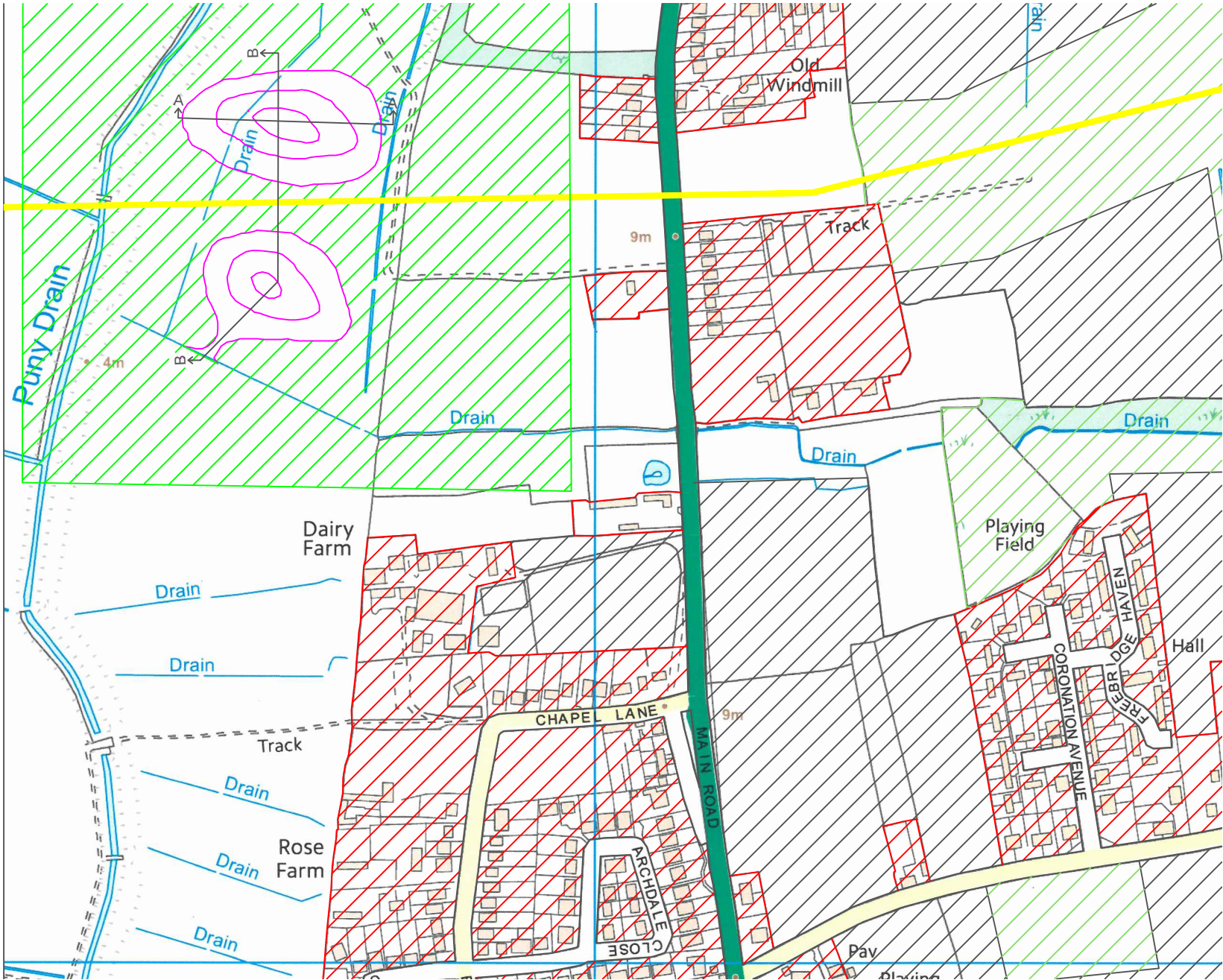


- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - Playing Field
 - Village Hub areas
 - High Pressure Gas Main
 - 40m Boundary For Standing Water
 - Proposed Storage Pond
 - Contour Line
 - Cross Section
 - New Drains

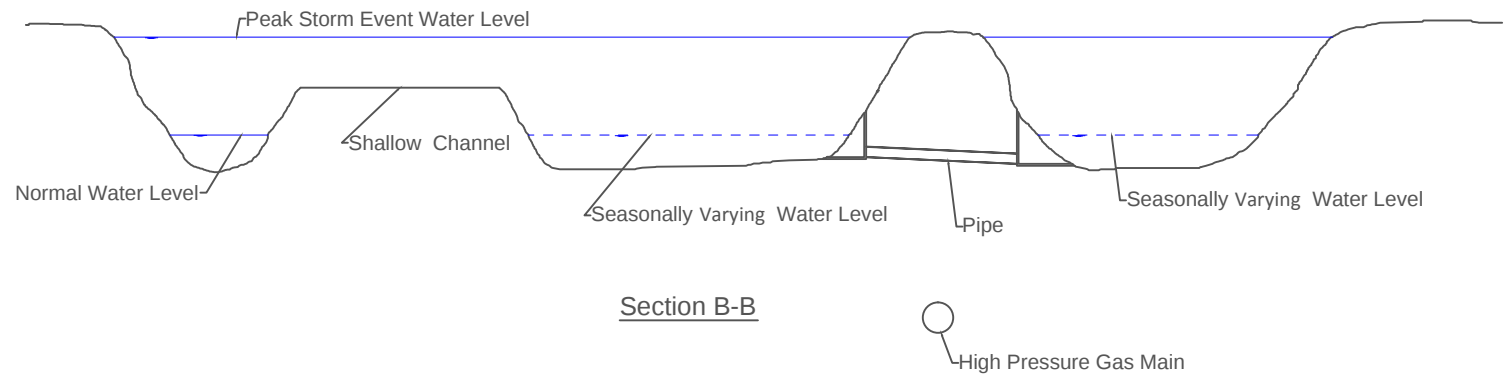
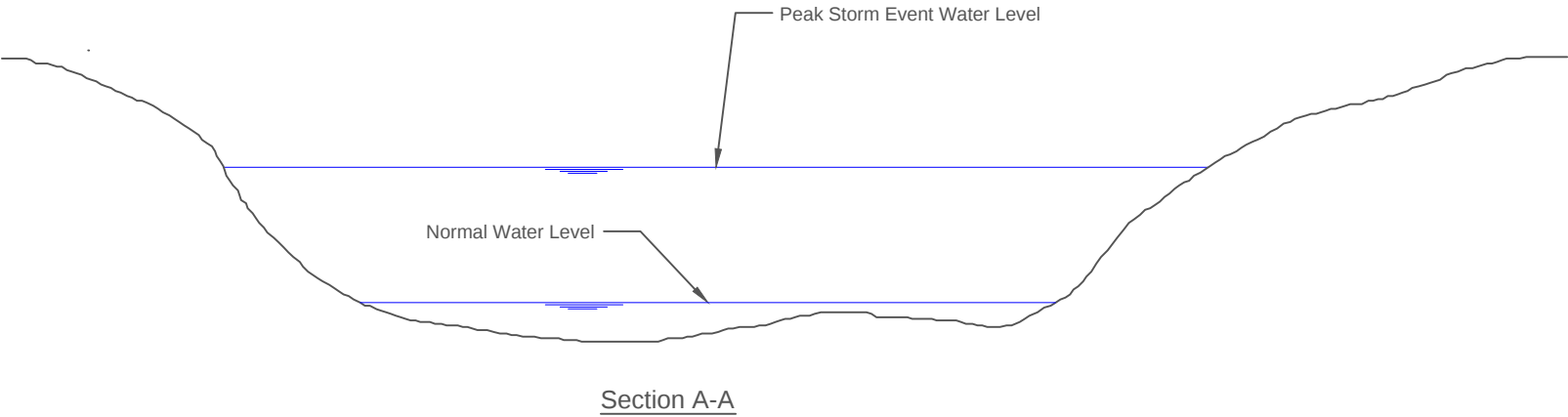


- Notes:
- Sections have an exaggerated vertical scale.
 - Section A-A is a cross section of the long length of the storage. Section B-B represents the arrangement of the storage and the outfalls into the storage and into the Puny Drain.
 - On the right of section B-B there is an outfall into the storage, which is protected from the water spilling back into the pipe system by a flap valve.
 - There is then a pipe to connect the storage and the outfall into Puny Drain.
 - Like the outfall into the storage, the outfall into the Puny drain will need a flap valve to stop any water getting back into the system.

REV. AMENDMENTS		
MIDDLE LEVEL COMMISSIONERS		
D.Thomas B.Eng M.C.M.I Chief Engineer		
SCHEME		
North Runcton & West Winch Surface Water Management Plan		
Example outline design		
TITLE		
Zone three option B proposed layout		
DRAWN	DESIGN	CHECKED
LM	DT/LM	DT
SCALE	DRAWING No.	
Not to scale	310/PL/11/Sketch4	
DATE	REV.	
Feb 2014		



- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - Green space
 - Village Hub areas
 - High Pressure Gas Main
 - 40m Boundary For Standing Water
 - Proposed Storage Lagoon
 - Contour Line
 - Cross Section
 - New Drains



- Notes
- Sections Have An Exaggerated Vertical Scale.

REV. AMENDMENTS

MIDDLE LEVEL COMMISSIONERS

D.Thomas B.Eng M.C.M.I Chief Engineer

SCHEME

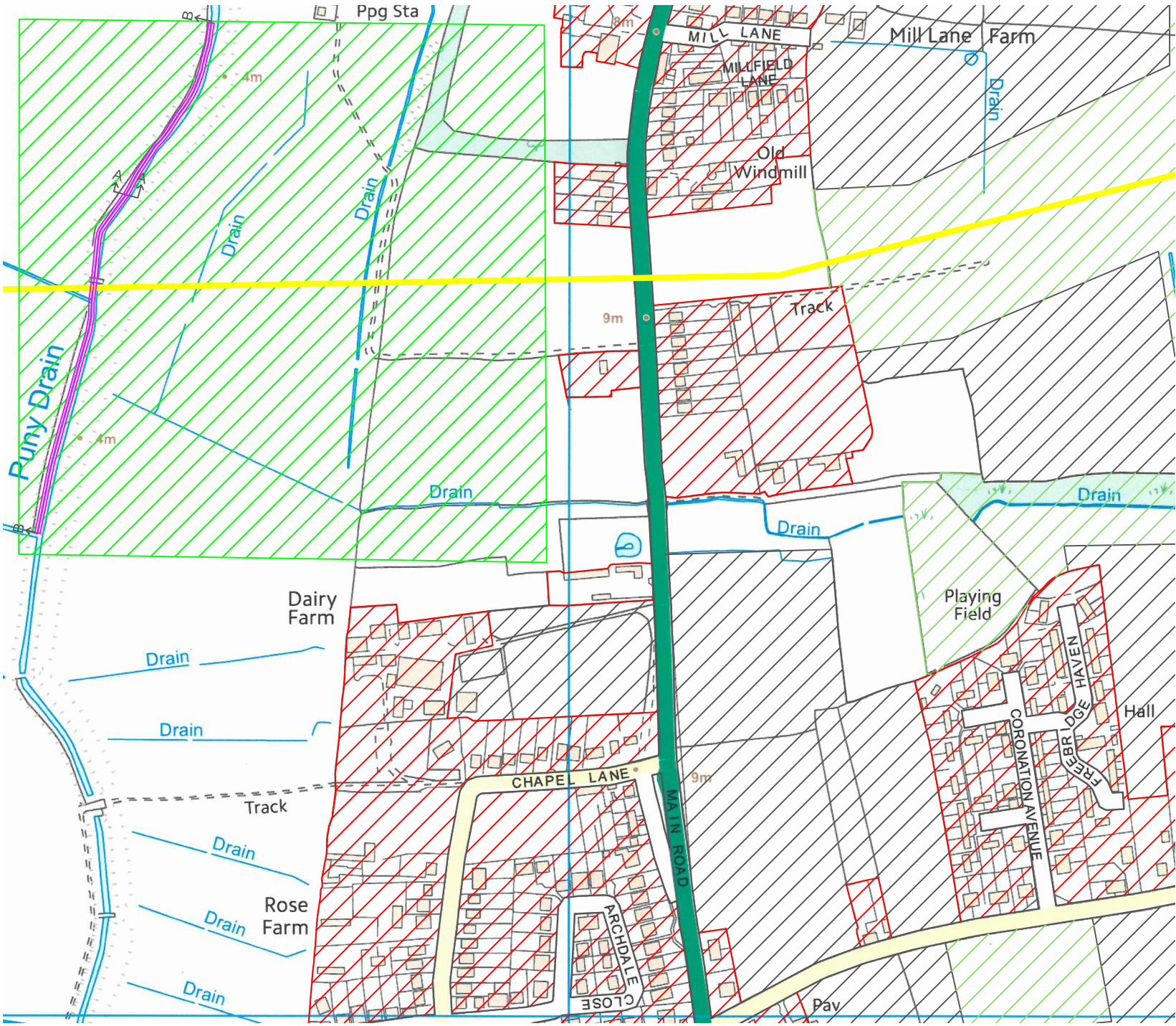
North Runcton & West Winch Surface Water Management Plan

Example outline design

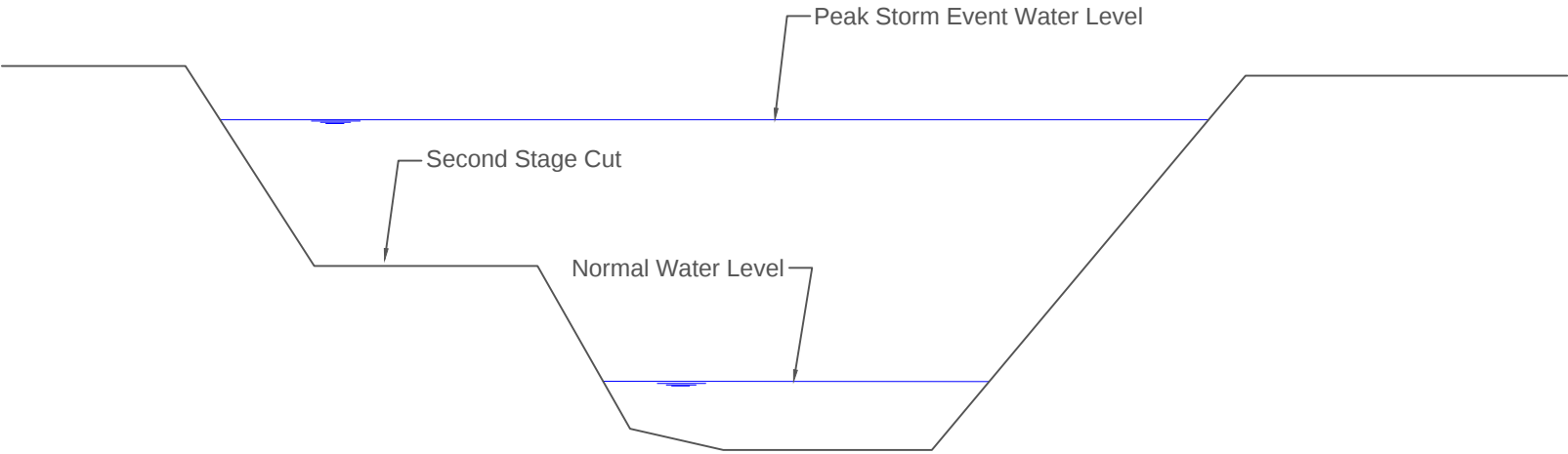
TITLE

Zone four option A proposed layout

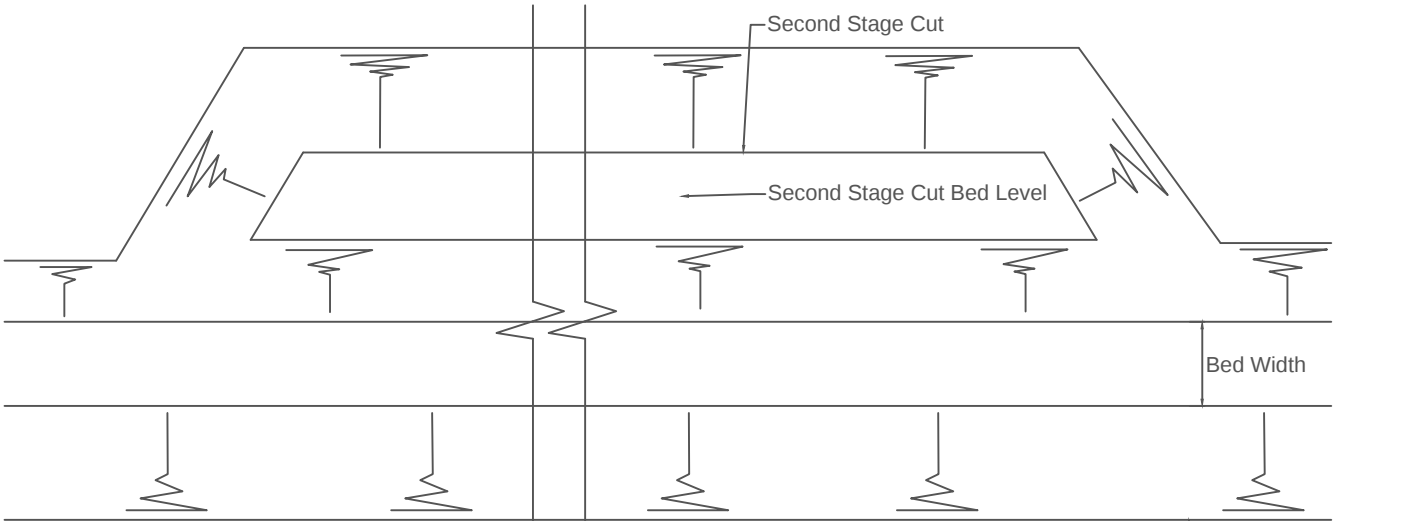
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LM	DT/LM	DT
SCALE	DRAWING No.	
Not to scale	310/PL/11/Sketch7	
DATE	REV.	
Feb 2014		



- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - Green space
 - Village Hub areas
 - High Pressure Gas Main
 - 40m Boundary For Standing Water
 - Proposed Storage Second Cut
 - Cross Section
 - New Drains



Section A-A



Plan view

- Notes
- Sections Have An Exaggerated Vertical Scale.

REV. AMENDMENTS

MIDDLE LEVEL COMMISSIONERS

D.Thomas B.Eng M.C.M.I Chief Engineer

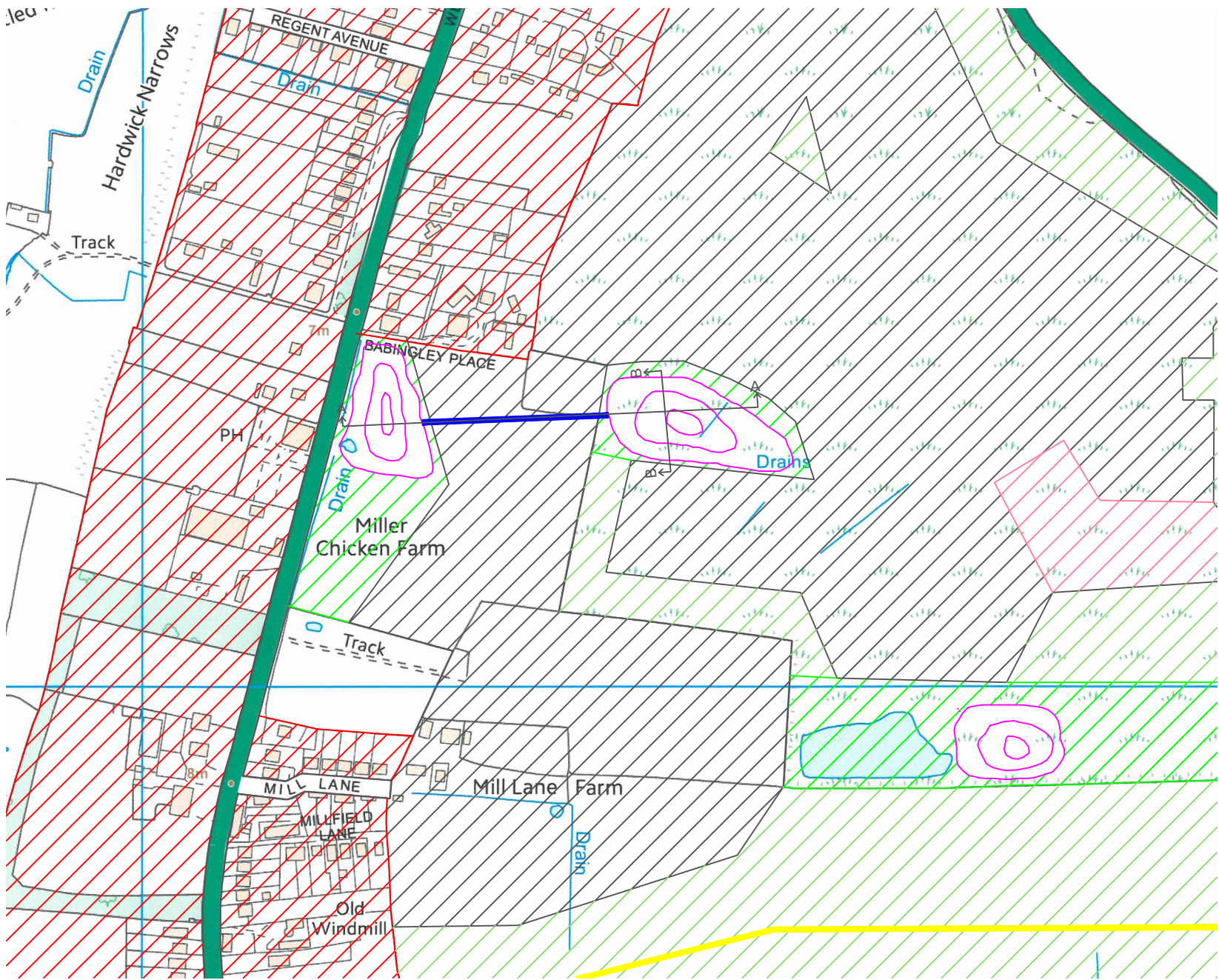
SCHEME
North Runcion & West Winch
Surface Water Management Plan

Example outline design

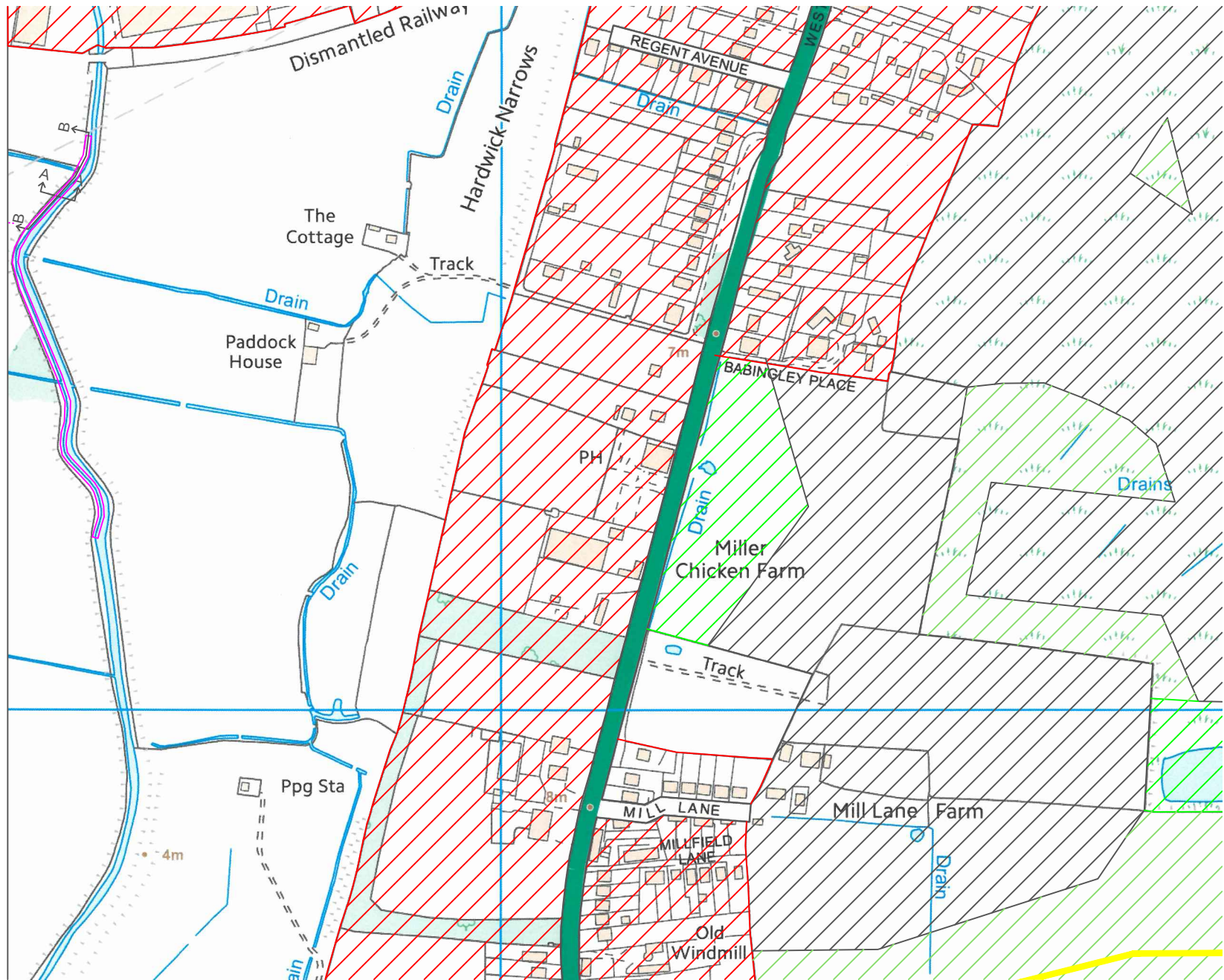
TITLE
Zone four option B proposed
layout

DRAWN	DESIGN	CHECKED
LM	DT/LM	DT

SCALE Not to scale	DRAWING No. 310/PL/11/Sketch8
DATE Feb 2014	REV.

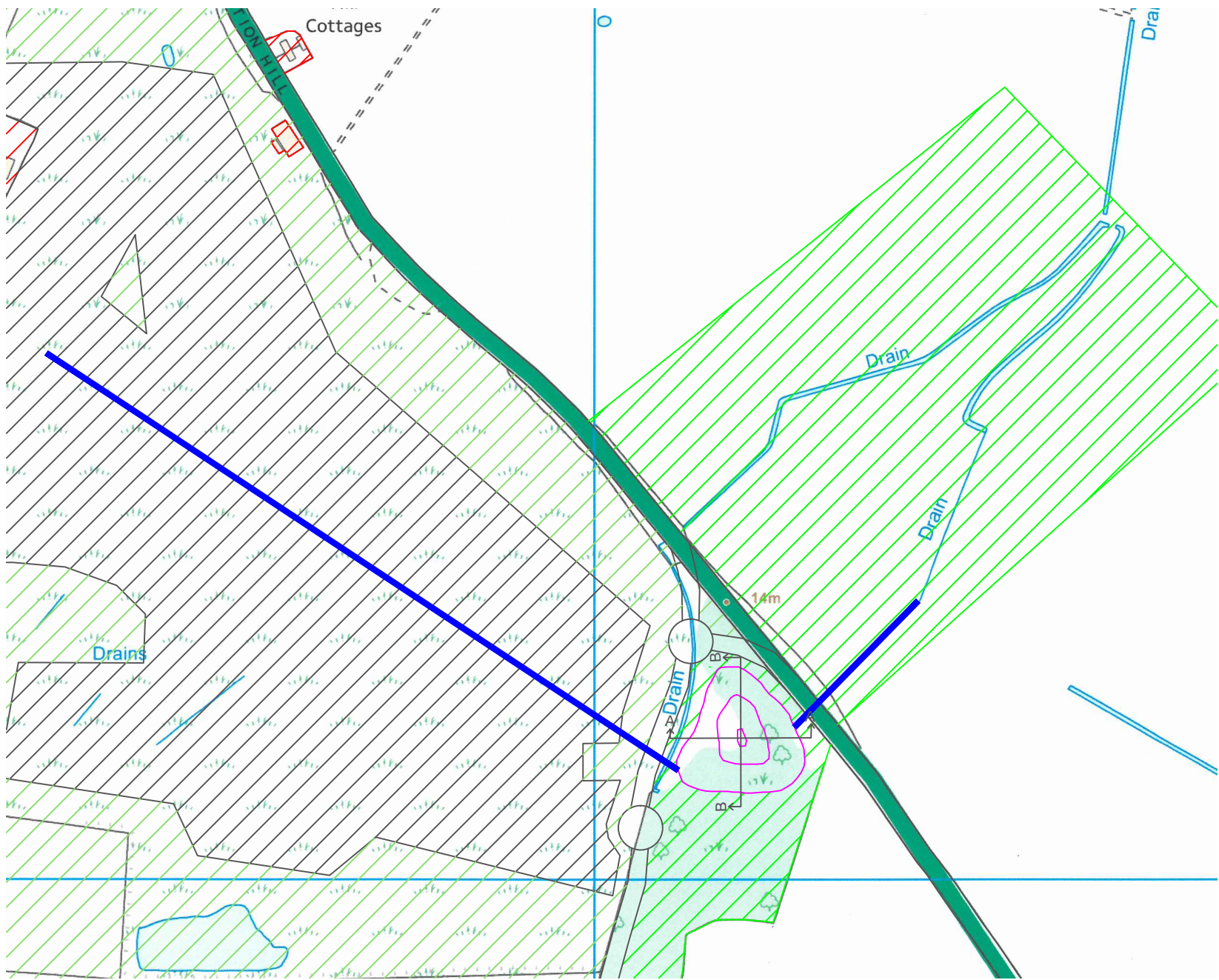


Option A



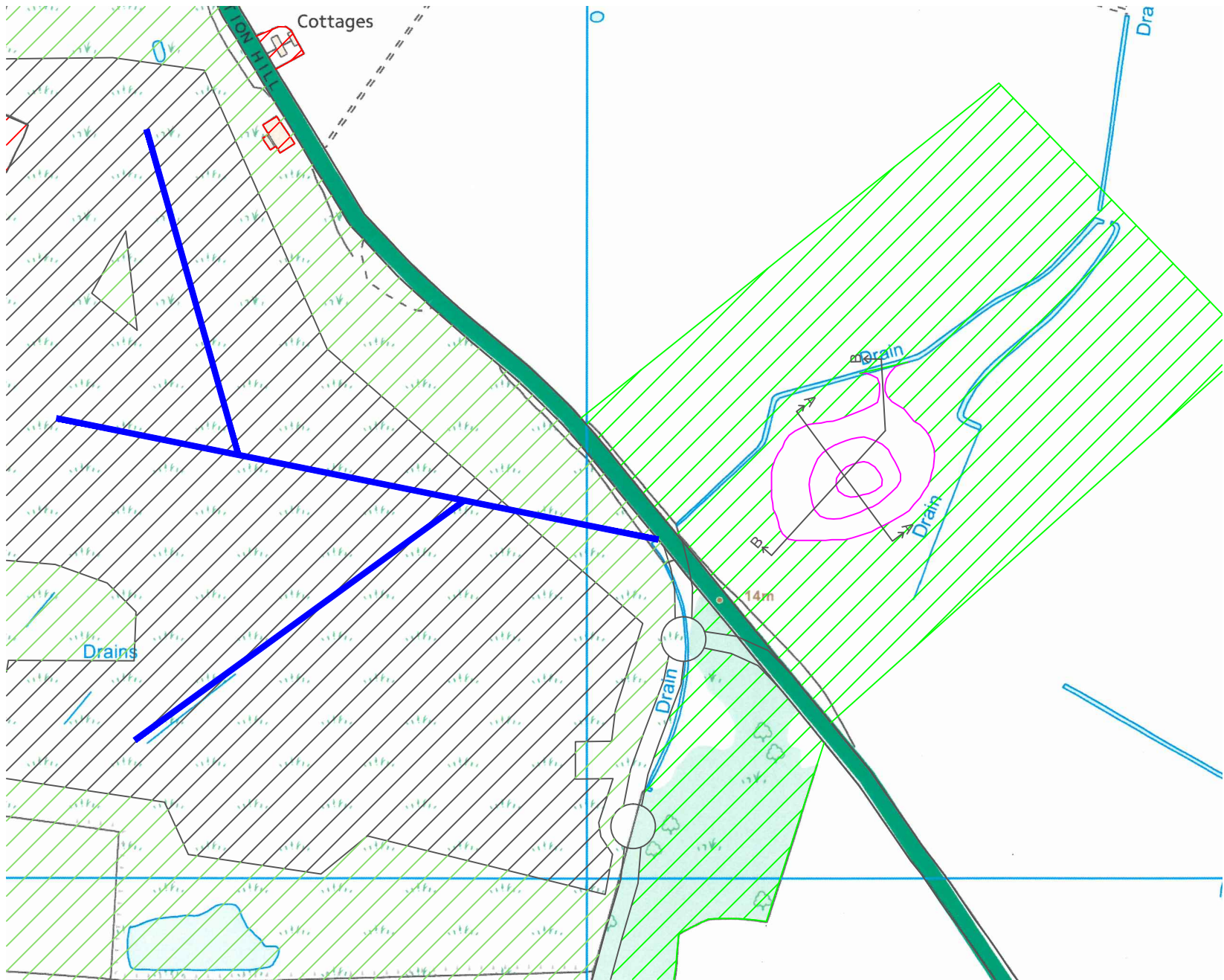
Option B

Notes - Option A cross section similar to be drawing 310/PL/11/Sketch2. - Option A cross section similar to be drawing 310/PL/11/Sketch8.		
REV. AMENDMENTS		
MIDDLE LEVEL COMMISSIONERS D.Thomas B.Eng M.C.M.I Chief Engineer		
SCHEME North Runcion & West Winch Surface Water Management Plan		
Example outline design		
TITLE Zone five option A & B proposed layout		
DRAWN LM	DESIGN DT/LM	CHECKED DT
SCALE Not to scale	DRAWING No. 310/PL/11/Sketch15	
DATE Mar 2014	REV.	



- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - Green space
 - Village Hub areas
 - High Pressure Gas Main
 - 40m Boundary For Standing Water
 - Proposed Storage Second Cut
 - Cross Section
 - New Drains

Option A



Option B

Notes

- Option A cross section similar to be drawing 310/PL/11/Sketch2.
- Option A cross section similar to be drawing 310/PL/11/Sketch1.

REV.	AMENDMENTS

MIDDLE LEVEL COMMISSIONERS

D.Thomas B.Eng M.C.M.I Chief Engineer

SCHEME
North Runcion & West Winch Surface Water Management Plan

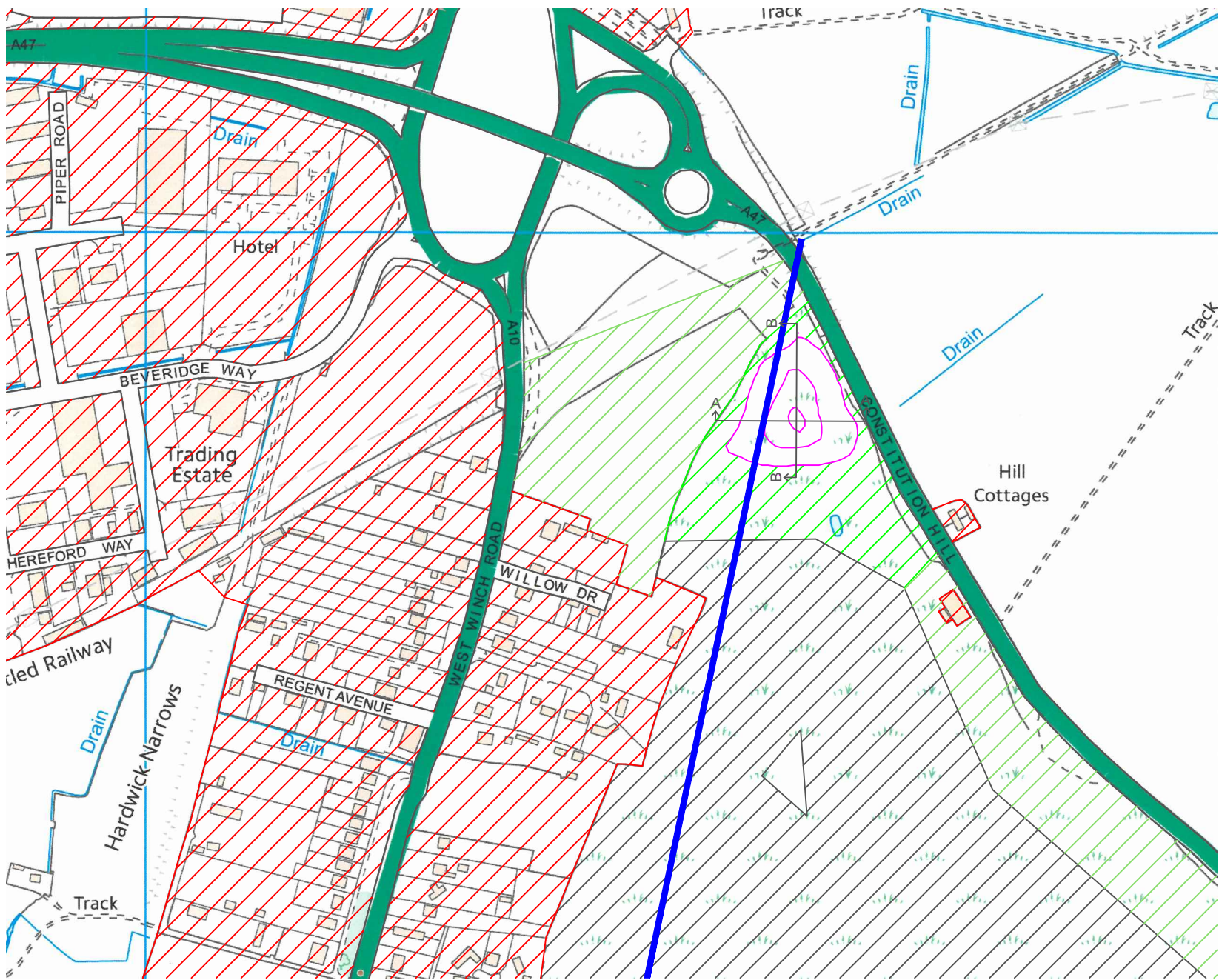
Example outline design

TITLE
Zone six option A & B proposed layout

DRAWN	DESIGN	CHECKED
LM	DT/LM	DT

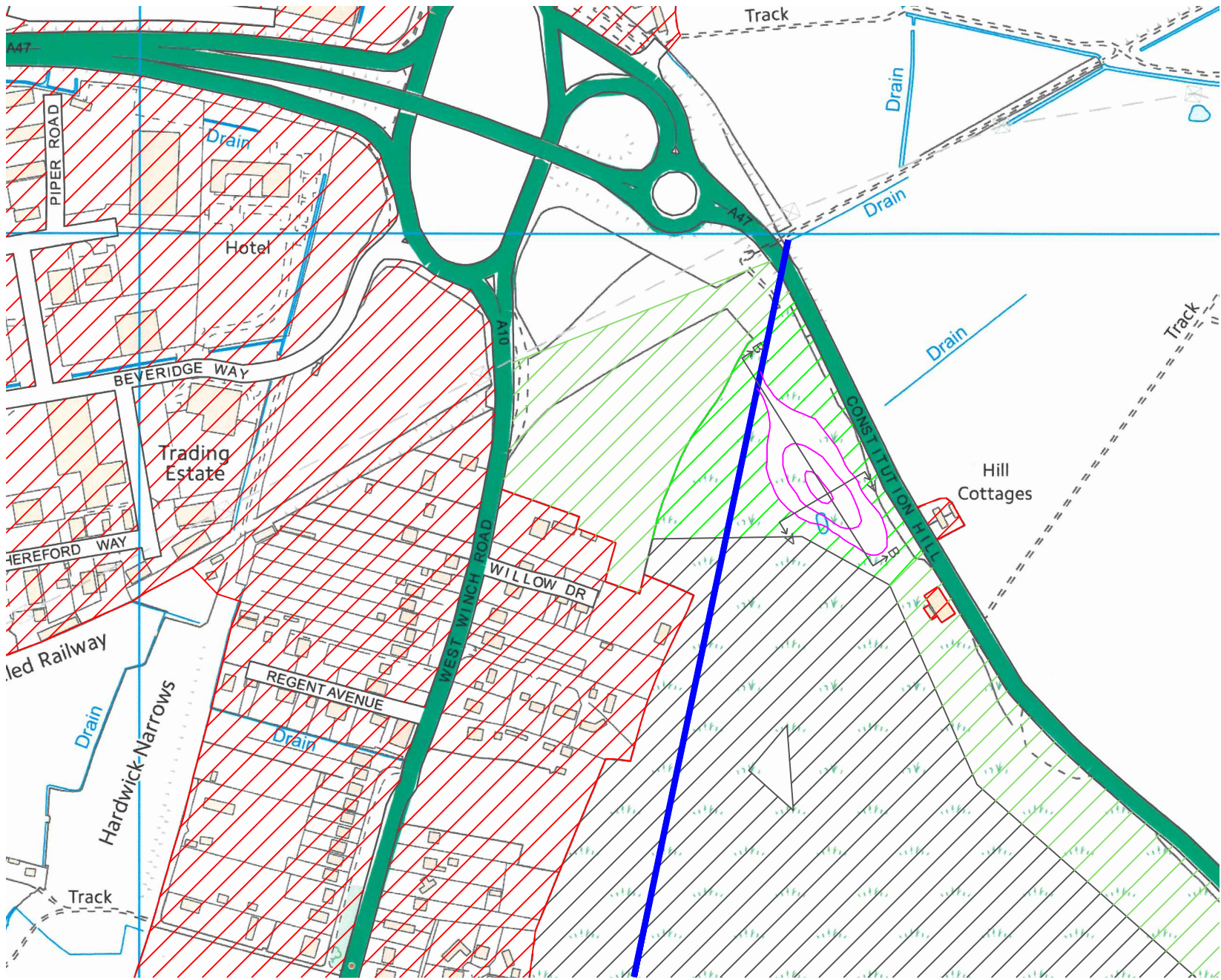
SCALE	DRAWING No.
Not to scale	310/PL/11/Sketch16

DATE	REV.
Mar 2014	



- Key:
- Existing Development
 - Proposed Development
 - Possible Storage Location
 - Green space
 - Village Hub areas
 - High Pressure Gas Main
 - 40m Boundary For Standing Water
 - Proposed Storage Second Cut
 - Cross Section
 - New Drains

Option A



- Notes
- Option A cross section similar to be drawing 310/PL/11/Sketch2.
 - Option A cross section similar to be drawing 310/PL/11/Sketch1.

REV. AMENDMENTS		
MIDDLE LEVEL COMMISSIONERS		
D.Thomas B.Eng M.C.M.I Chief Engineer		
SCHEME		
North Runcton & West Winch Surface Water Management Plan		
Example outline design		
TITLE		
Zone five & six option A & B proposed layout		
DRAWN	DESIGN	CHECKED
LM	DT/LM	DT
SCALE	DRAWING No.	
Not to scale	310/PL/11/Sketch17	
DATE	REV.	
Mar 2014		

Option B