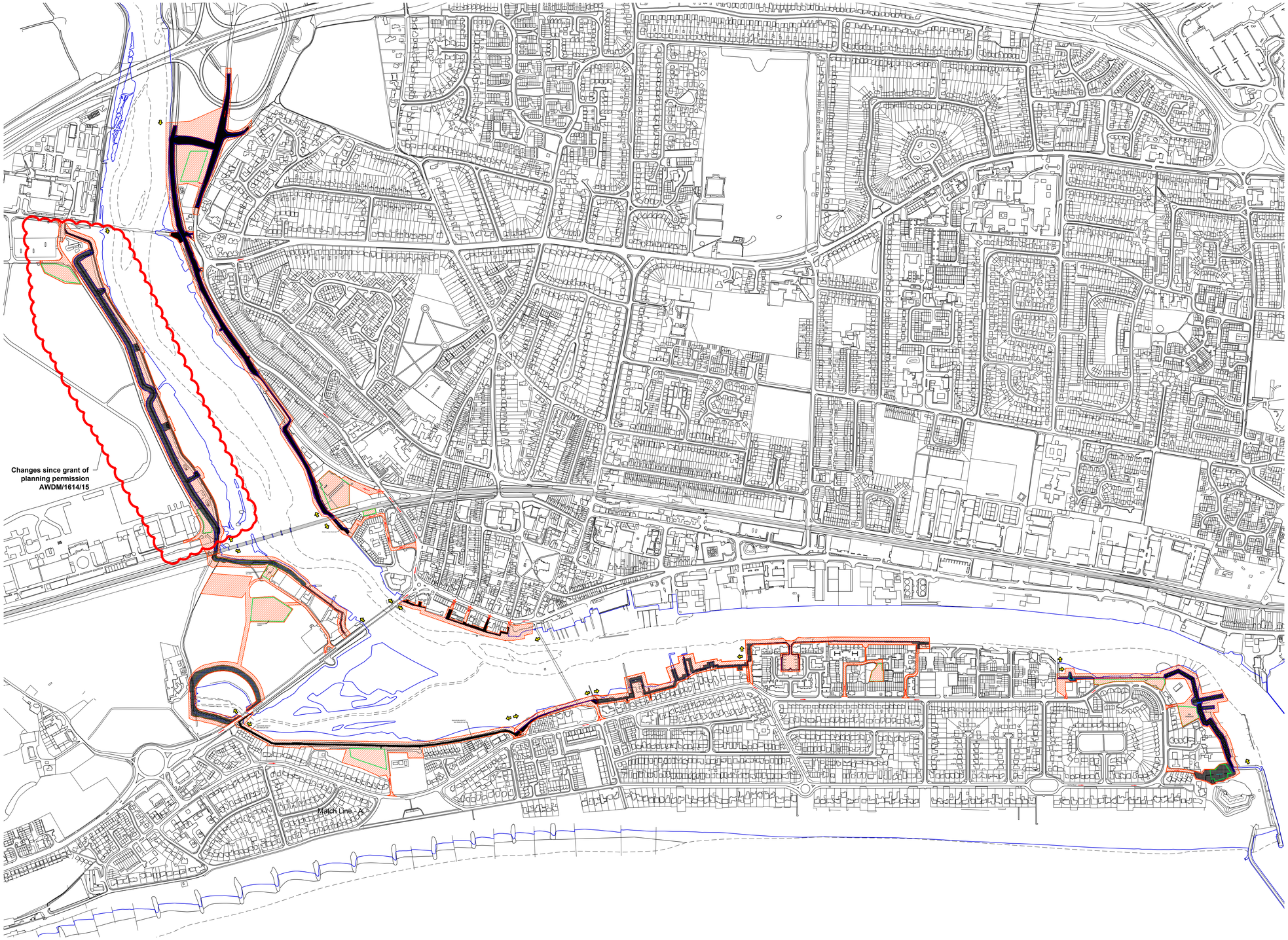
D. Revised Drawings



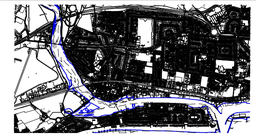
Notes

1. All dimensions are in metres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Limit of deviation is extended 1.0m from the toe of embankment or sheet pile walls on each side.
5. The Boundary of Works lines should be 10m from the Flood Defence Wall riverward unless the Mean Low Water is encountered before, then Boundary of Works lines turns to be Mean Low Water.

Key to symbols

- Flood Defence (Wall or Embankment)
- MLW — Mean Low Water (MLW)
- MHW — Mean High Water (MHW)
- E1 — Reach extent
- Boundary of works
- Limits of deviation
- Satellite site compounds
- Site access from public road
- Temporary Works
- Permanent Works

Key plan



Reference drawings

1:5000 0 250m 500m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P05	21.11.17	IAS	For Planning Approval	NJC	PJP
P04	15.09.17	IAS	For Planning Approval	NJC	PJP
P03	20.07.17	IAS	For Planning Approval	NJC	PJP
P02	19.07.17	IAS	For Planning Approval	NJC	PJP
P01	15.09.17	IAS	For Planning Approval	NJC	PJP

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Client

Environment Agency

Title

Shoreham Adur Tidal Walls

Planning Drawing - Overview

Designed	F J Loy	FJL	Eng check	S Haarhoff	SH
Drawn	I A Sussex	IAS	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
1:5000	S2	P05	STD

Drawing Number
IMSO000648-MMC-01-XX-DR-C-1030

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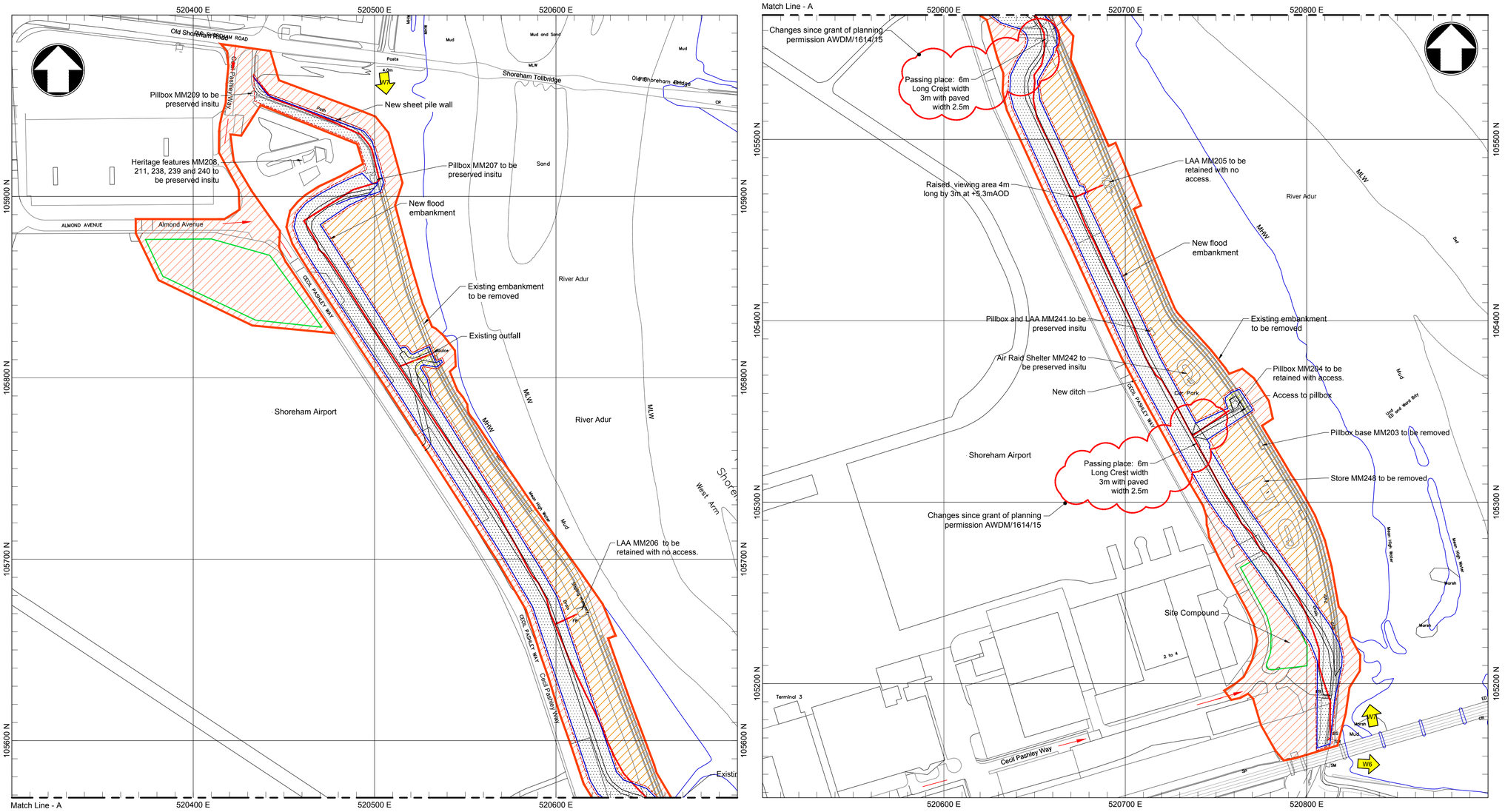


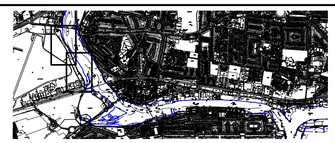
Notes

1. All dimensions are in metres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Limit of deviation is extended 1.0m from the toe of embankment or sheet pile walls on each side.
5. The Boundary of Works lines should be 10m from the Flood Defence Wall riverward unless the Mean Low Water is encountered before, then Boundary of Works lines shall be Mean Low Water.
6. Refer to drawing MMD-339663-Y-DT-02-00-1002 for details of Heritage features.

Key to symbols

- Flood Defence (Wall or Embankment)
- MLW — Mean Low Water
- MHW — Mean High Water
- W7 — Reach extent
- Boundary of works
- Limits of deviation
- Satellite site compounds
- Site access from public road
- Temporary Works
- Permanent Works

Key plan



Reference drawings

IMSO000648-MMC-01-XX-DR-C-1050- Planning Drawing - Overview
MMD-339663-Y-DT-02-00-1002 - World War 2 Heritage

1:1250 0 62.5m 125m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P06	07.11.17	PMS	for Planning Approval	NJC	PJP
C01	18.05.16	PMS	Contract Drawing	NJC	PJP

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Client: Environment Agency

Title

Shoreham Adur Tidal Walls
Reach W7 : Shoreham Airport

Reach Overview

Designed	R G Kennett	RGK	Eng check	F Loy	FL
Drawn	I Sussex	IAS	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
1:1250	S2	P06	STD

Drawing Number: IMSO000648-MMC-01-W7-DR-C-2730

Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
C2 River bank prone to settlement and collapse if overloaded.
C3 UXO - Military activity within the Shoreham area during the Second World War.
C4 Damage to the storm water outfalls and pipes.
C5 Risk to damage road/wall foundations.
C6 Discovery of contaminated material.
C7 Loss of existing embankment material leading to loss of flood protection.
C8 Presence of asbestos water main to be made redundant.
C9 Intertidal environment.
C10 Site within SSSI with Heritage Features Present.

MAINTENANCE

M1 Potential collapse of embankments due to excavations or presence of additional loads.
M2 Damage to the storm water outfalls and pipes.

DEMOLITION

See Construction risks above

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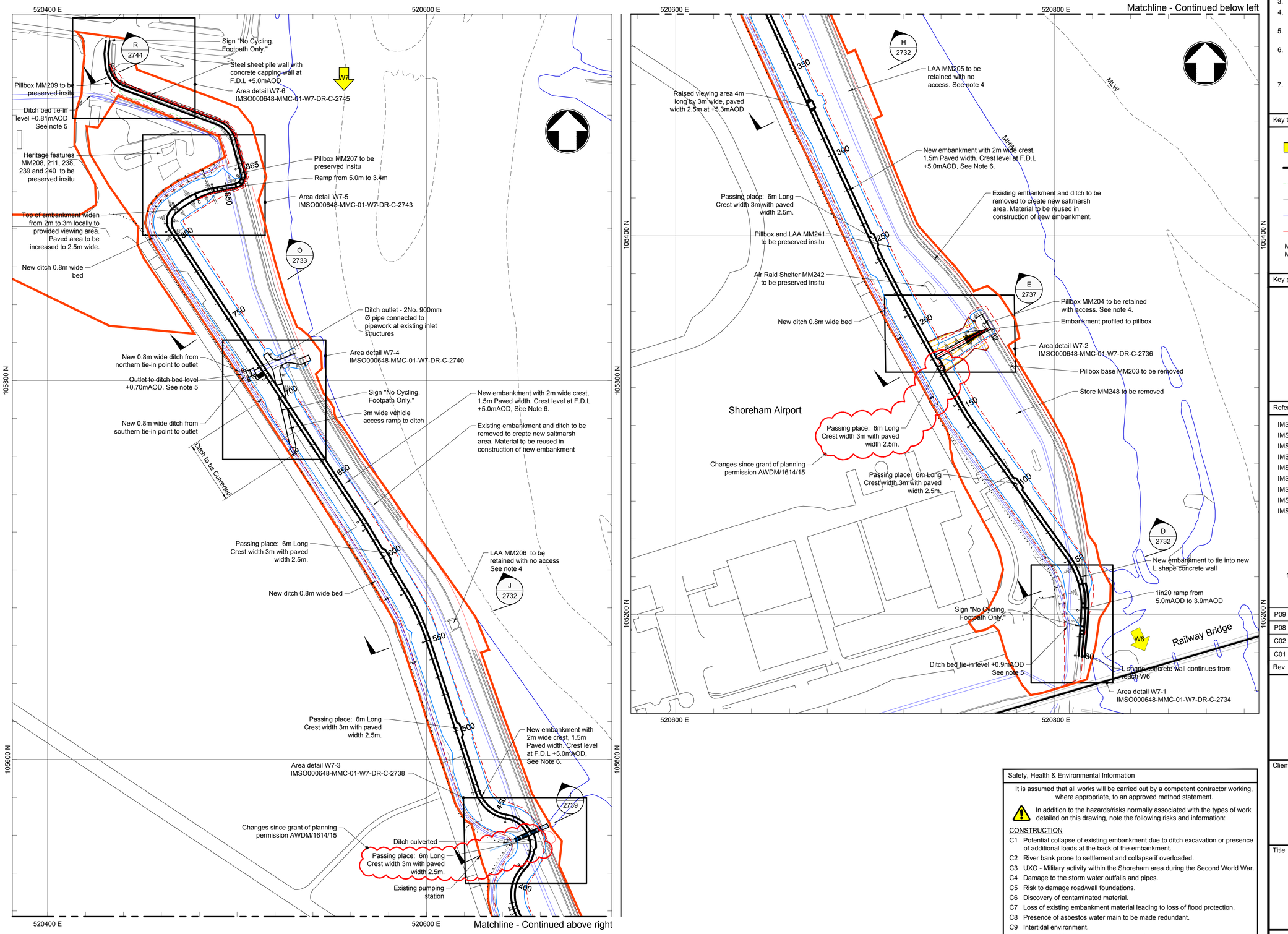

Notes

1. All dimensions are in metres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Banks to be reprofiled around existing pillboxes to new saltmarsh level. Enkamat protection to be provided around the pillbox banks.
5. New ditch to have constant gradient towards outlet to ditch from tie-in locations at the North and South locations as per existing ditch layout
6. Embankment earthworks to be constructed as per specification and drawing IMSO000648-MMC-01-W7-DR-C-2732. Flood Defence Level (F.D.L) +5.0mAOD. Embankments constructed above this level to allow for settlement as per drawing IMSO000648-MMC-01-W7-DR-C-2732.
7. Refer to drawings IMSO000648-MMC-02-00-DR-Y-1002 for details of Heritage Features.

Key to symbols

- W6 Reach extent
- Top of Embankment
- Bottom of Embankment
- Ditch - top of bank
- Ditch - base
- Approximate tie-in to salt marsh
- MHW Mean high water
- MLW Mean low water
- New flood embankment
- Compensatory habitat area
- Boundary of works
- Limits of deviation

Key plan



Reference drawings

IMSO000648-MMC-01-W7-DR-C-2730	Reach Overview
IMSO000648-MMC-01-W7-DR-C-2732	Sections - Sheet 1
IMSO000648-MMC-01-W7-DR-C-2733	Sections and Details - Sheet 2
IMSO000648-MMC-01-W7-DR-C-2734	Area detail W7-1
IMSO000648-MMC-01-W7-DR-C-2736	Area detail W7-2
IMSO000648-MMC-01-W7-DR-C-2738	Area detail W7-3
IMSO000648-MMC-01-W7-DR-C-2740	Area detail W7-4
IMSO000648-MMC-01-W7-DR-C-2743	Area detail W7-5
IMSO000648-MMC-02-00-DR-Y-1002	World War 2 Heritage

1:1000 0 50m 100m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P09	07.11.17	PMS	For planning approval	NJC	PJP
P08	13.06.17	PMS	For information	NJC	PJP
C02	01.07.16	PMS	Construction Revision	NJC	PJP
C01	18.05.16	PMS	Contract Drawing	NJC	PJP

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Client: Environment Agency

Title: Shoreham Adur Tidal Walls
Reach W7: Shoreham Airport

General Arrangement

Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

- C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
- C2 River bank prone to settlement and collapse if overloaded.
- C3 UXO - Military activity within the Shoreham area during the Second World War.
- C4 Damage to the storm water outfalls and pipes.
- C5 Risk to damage road/wall foundations.
- C6 Discovery of contaminated material.
- C7 Loss of existing embankment material leading to loss of flood protection.
- C8 Presence of asbestos water main to be made redundant.
- C9 Intertidal environment.
- C10 Site within SSSI with Heritage Features Present.

MAINTENANCE

- M1 Potential collapse of embankments due to excavations or presence of additional loads.
- M2 Damage to the storm water outfalls and pipes.

DEMOLITION

See Construction risks above

Designed	R G Kennett	RGK	Eng check	D Collery	DC
Drawn	D Reid	DR	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP
Scale at A1	1:1000	Status	S2	Rev	P09
Security	STD				

Drawing Number: IMSO000648-MMC-01-W7-DR-C-2731

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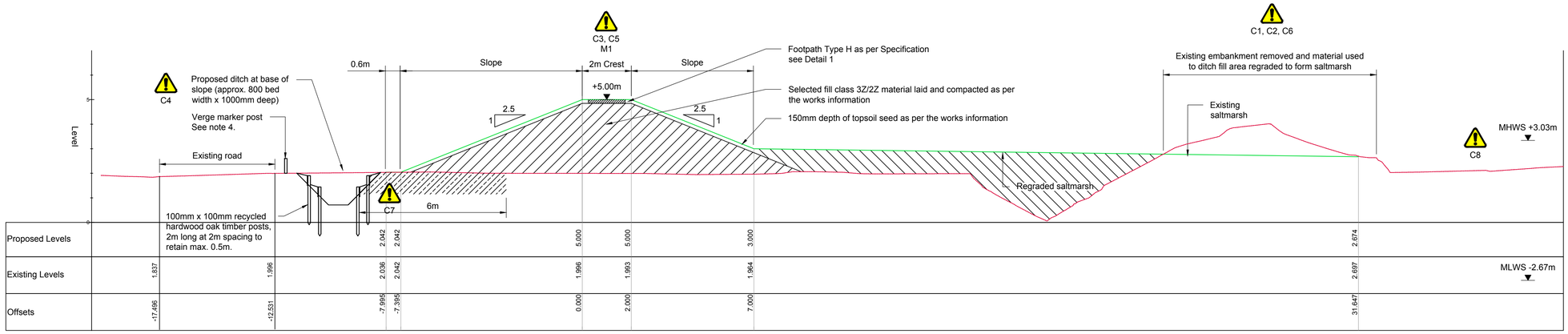
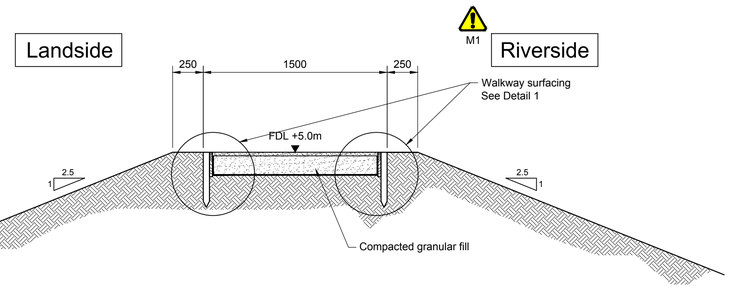


Chainage 750.000

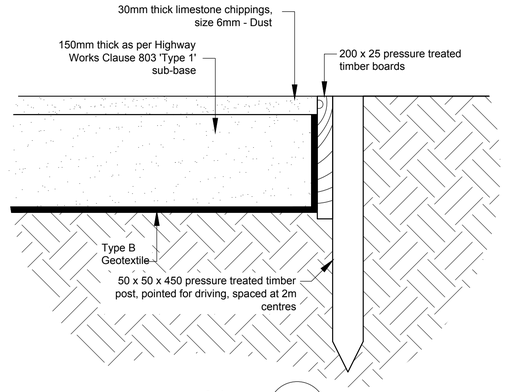
Raised Embankment

Section 1:100 — O 2731



Typical Footpath Detail on top of New Raised Embankment

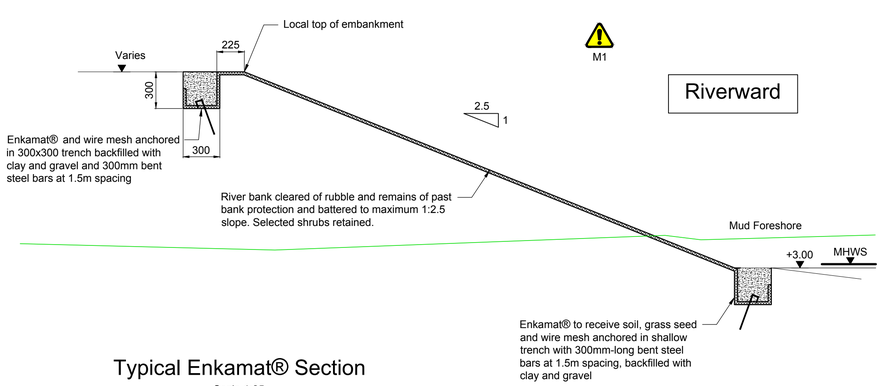
Scale 1:25



Detail 1 (1:5 — -)

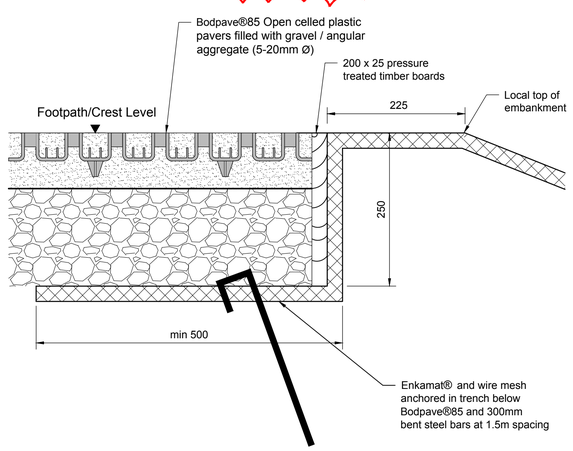
Type H Footpath

Changes since grant of planning permission AWDM/1614/15



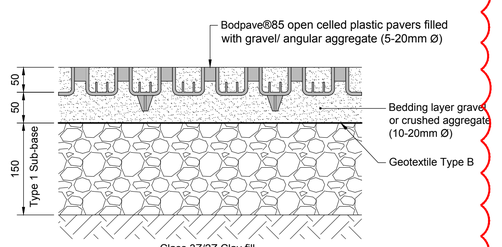
Typical Enkamat® Section

Scale 1:25



Detail 2 (1:5 — 2737)

Interface between Bodpave85® and Enkamat



Typical Bodpave®85 Construction Profile

1:5

Notes

1. All dimensions are in metres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Marker posts to be 600mm high timber posts with amber reflectors at 2m centres along entire verge.
5. Earthworks to be constructed as per Specification and notes on drawing IMSO000648-MMC-01-W7-DR-C-2732.

Key to symbols

- Proposed Embankment / Finished ground level
- Existing Ground
- Ditch
- Class 3Z / 2Z clay fill
- Class 4 fill
- Class 1A (R) fill

Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

- C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
- C2 River bank prone to settlement and collapse if overloaded.
- C3 UXO - Military activity within the Shoreham area during the Second World War.
- C4 Risk to damage road/wall foundations.
- C5 Discovery of contaminated material.
- C6 Loss of existing embankment material leading to loss of flood protection.
- C7 Presence of asbestos water main to be made redundant.
- C8 Intertidal environment.
- C9 Site within SSSI with Heritage Features Present.

MAINTENANCE

- M1 Potential collapse of embankments due to excavations or presence of additional loads.

DEMOLITION

See Construction risks above

Reference drawings

IMSO000648-MMC-01-W7-DR-C-2730 - Reach Overview
IMSO000648-MMC-01-W7-DR-C-2731 - General Arrangement
IMSO000648-MMC-01-W7-DR-C-2732 - Sections - Sheet 1
IMSO000648-MMC-01-W7-DR-C-2737 - Sections - Sheet 4

1:5 — 0 — 250mm — 500mm
1:25 — 0 — 1.250m — 2.5m
1:100 — 0 — 5m — 10m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P07	07.12.17	PMS	for Planning Approval	NJC	PJP
C03	01.12.17	PMS	Construction Revision	NJC	PJP
C02	01.07.16	PMS	Construction Revision	NJC	PJP
C01	18.05.16	PMS	Contract Drawing	NJC	PJP

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Client: Environment Agency

Title: Shoreham Adur Tidal Walls
Reach W7 - Shoreham Airport

Sections and Details - Sheet 2

Designed	R G Kennett	RGK	Eng check	D Collery	DC
Drawn	D Reid	DR	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
As shown	S2	P07	STD

Drawing Number: IMSO000648-MMC-01-W7-DR-C-2733

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Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

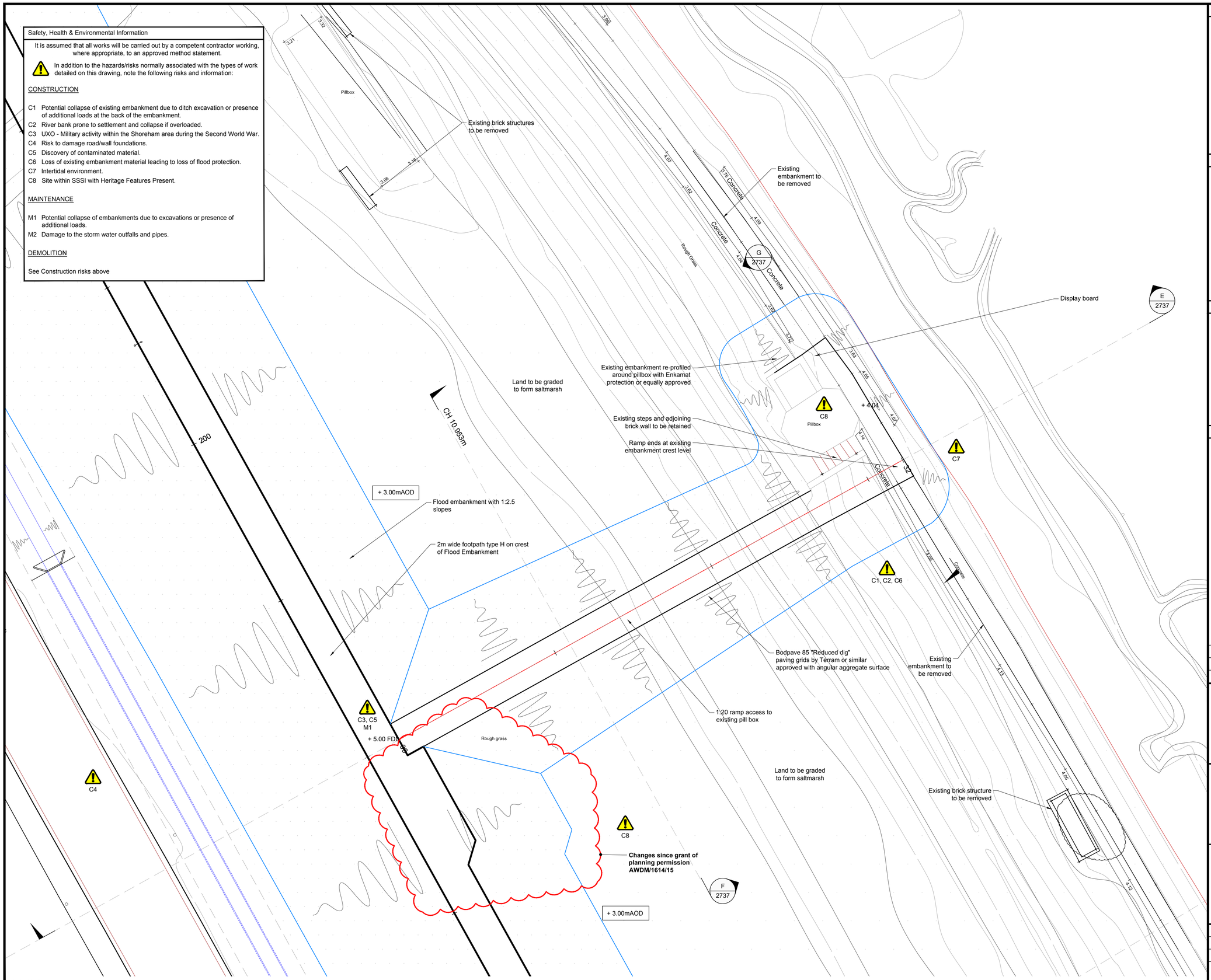
C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
C2 River bank prone to settlement and collapse if overloaded.
C3 UXO - Military activity within the Shoreham area during the Second World War.
C4 Risk to damage road/wall foundations.
C5 Discovery of contaminated material.
C6 Loss of existing embankment material leading to loss of flood protection.
C7 Intertidal environment.
C8 Site within SSSI with Heritage Features Present.

MAINTENANCE

M1 Potential collapse of embankments due to excavations or presence of additional loads.
M2 Damage to the storm water outfalls and pipes.

DEMOLITION

See Construction risks above



Notes

1. All dimensions are in millimetres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Embankment earthworks to be constructed as per specification and drawing IMSO000648-MMC-01-W7-DR-C-2732. Flood Defence Level (F.D.L) +5.0mAOD. Embankments constructed above this level to allow for settlement as per drawing IMSO000648-MMC-01-W7-DR-C-2732.

Key to symbols

- Top of Embankment
- Bottom of Embankment
- Ditch - top of bank
- Ditch - base
- Approximate tie-in to salt marsh
- New flood embankment
- Regraded Saltmarsh

Key plan



Reference drawings

IMSO000648-MMC-01-W7-DR-C-2730	-	Reach Overview
IMSO000648-MMC-01-W7-DR-C-2731	-	General Arrangement
IMSO000648-MMC-01-W7-DR-C-2732	-	Sections - Sheet 1
IMSO000648-MMC-01-W7-DR-C-2733	-	Sections and Details - Sheet 2
IMSO000648-MMC-01-W7-DR-C-2737	-	Sections - Sheet 4

1:100 0 5m 10m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P07	07.11.17	PMS	For planning approval	NJC	PJP
C01	01.07.16	PMS	Initial Construction Release	NJC	PJP

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Client

Environment Agency

Title

Shoreham Adur Tidal Walls
Reach W7: Shoreham Airport

Detail W7-2

Designed	R G Kennett	RGK	Eng check	D Collery	DC
Drawn	A Miglioranza	AM	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
1:100	S2	P07	STD

Drawing Number
IMSO000648-MMC-01-W7-DR-C-2736

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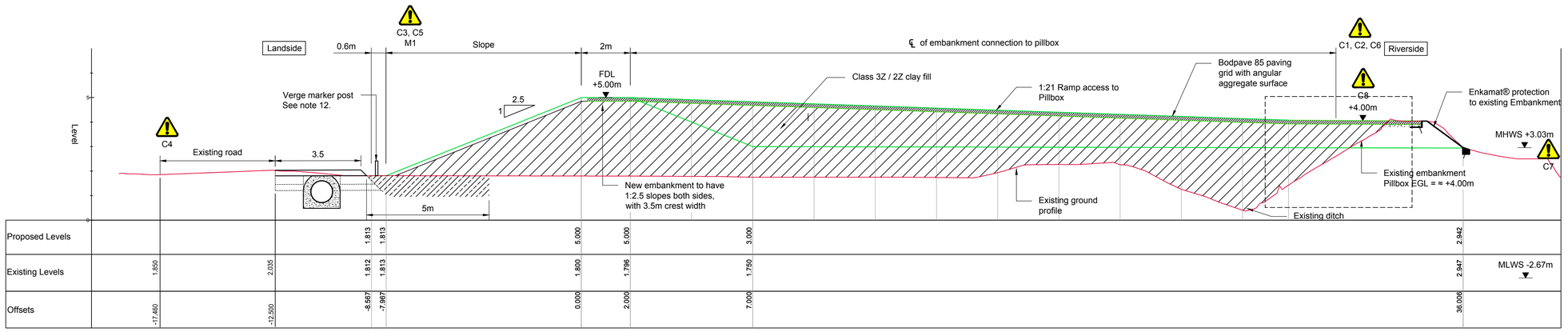
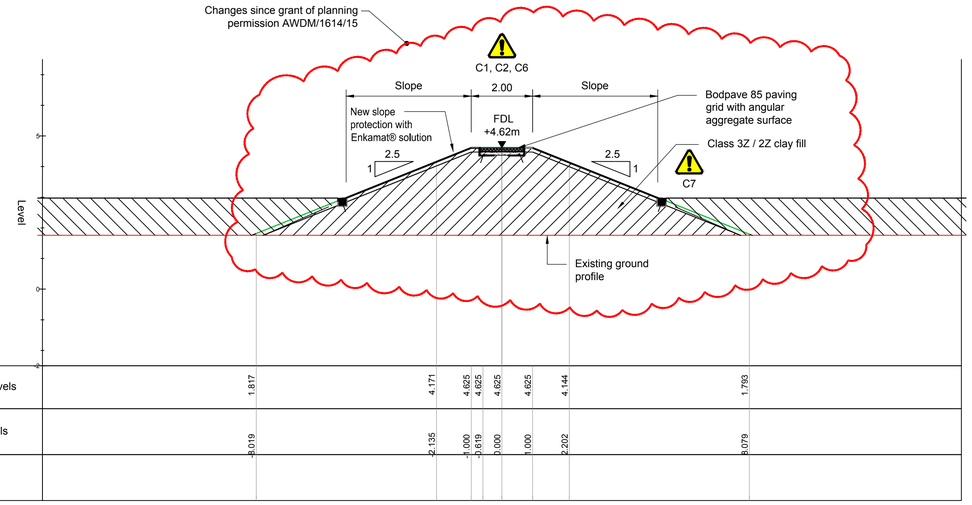


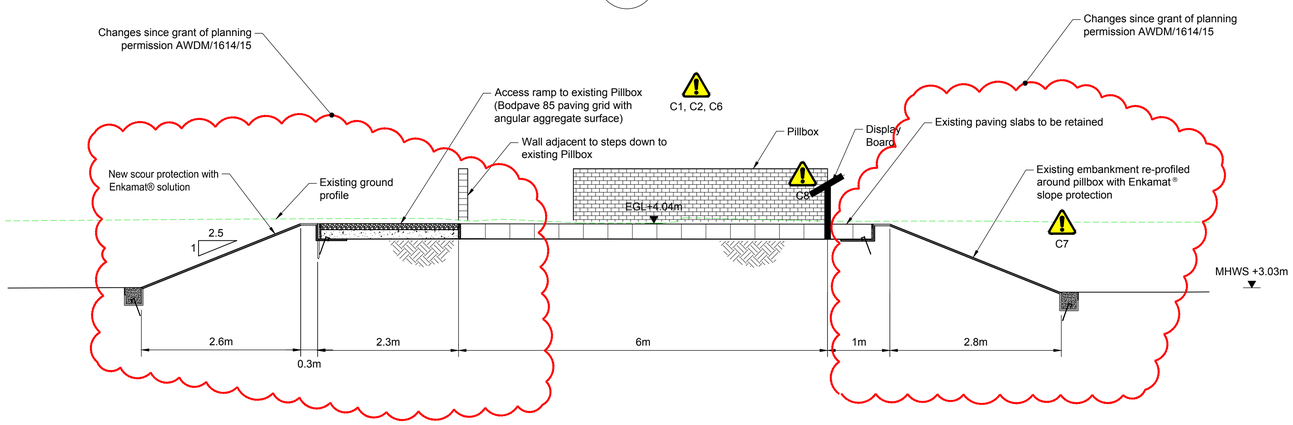
Chainage 200.000

Pillbox 1 Tie-in To New Embankment

Section E
1:100 2736



Section F
1:100 2736



Section G
1:50 2736

Notes

1. All dimensions are in metres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Marker posts to be 600mm high timber posts with amber reflectors at 2m centres along entire verge.
6. Embankment earthworks to be constructed as per specification and drawing IMSO000648-MMC-01-W7-DR-C-2732. Flood Defence Level (F.D.L) +5.0mAOD. Embankments constructed above this level to allow for settlement as per drawing IMSO000648-MMC-01-W7-DR-C-2732.

Key to symbols

- Proposed Embankment / Finished ground level
- Existing Ground
- Ditch
- Class 3Z / 2Z clay fill
- Class 4 fill
- Class 1A (R) fill

Reference drawings

IMSO000648-MMC-01-W7-DR-C-2730	Reach Overview
IMSO000648-MMC-01-W7-DR-C-2731	General Arrangement
IMSO000648-MMC-01-W7-DR-C-2732	Sections - Sheet 1
IMSO000648-MMC-01-W7-DR-C-2733	Sections and Details - Sheet 2
IMSO000648-MMC-01-W7-DR-C-2737	Sections - Sheet 3

1:100 0 5m 10m
1:50 0 2.5m 5m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P06	07.12.17	PMS	for Planning Approval	NJC	PJP
C02	01.07.16	PMS	Construction Revision	NJC	PJP
C01	18.05.16	PMS	Contract Drawing	NJC	PJP

Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
C2 River bank prone to settlement and collapse if overloaded.
C3 UXO - Military activity within the Shoreham area during the Second World War.
C4 Risk to damage road/wall foundations.
C5 Discovery of contaminated material.
C6 Loss of existing embankment material leading to loss of flood protection.
C7 Intertidal environment.
C8 Site within SSSI with Heritage Features Present.

MAINTENANCE

M1 Potential collapse of embankments due to excavations or presence of additional loads.

DEMOLITION

See Construction risks above

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Client: Environment Agency

Title
Shoreham Adur Tidal Walls
Reach W7 - Shoreham Airport

Sections - Sheet 4

Designed	R G Kennett	RGK	Eng check	D Collery	DC
Drawn	D Reid	DR	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
1:100	S2	P06	STD

Drawing Number
IMSO000648-MMC-01-W7-DR-C-2737

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+ 3.0mAOD

Land to be graded to form saltmarsh

PGM 3504
E 520654.373
N 105577.139
H 4.033

Existing embankment to be removed

450

Existing hard standing area reduced to accomodate embankment

Flow

Rough Grass

Brick Wall

Flood embankment with 1:2.5 slopes

2m wide concrete steps up and over embankment.

Existing rising main replaced by Contractor with new 375mmØ HDPE Pipe

2m

+ 1.95 EGL

Existing below ground Pumping Station

MH CL 1.86

MH CL 1.86

MH CL 1.86

900mm diameter concrete culvert with precast concrete headwalls by Athlon or similar approved

Pumping Station control kiosk

Vehicle passing place No. 3

New 0.8m wide ditch

Verge marker posts at 2m centres

Cecil Pashley Way

C4

C8

+ 2.75 EGL

+ 2.75

+ 3.50

MJ

+ 5.00 FBL

+ 3.50

MJ

C1, C2, C6

C2, C3, C5, C7
M1

Existing outfall structure replaced with new reinforced concrete headwall

Level access path to outfall structure

Changes since grant of planning permission AWDM/1614/15

Passing place: 6m long Crest width 3m with paved width of 2.5m

Existing embankment to be removed

2m wide footpath type H on crest of Flood Embankment

Land to be graded to form saltmarsh

400

+ 3.0mAOD

I
2739

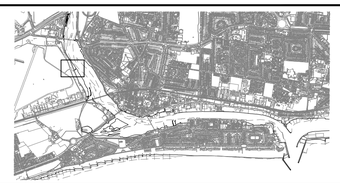
Notes

1. All dimensions are in millimetres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Embankment earthworks to be constructed as per specification and drawing IMSO000648-MMC-01-W7-DR-C-2732. Flood Defence Level (F.D.L) +5.0mAOD. Embankments constructed above this level to allow for settlement as per drawing IMSO000648-MMC-01-W7-DR-C-2732.

Key to symbols

- Top of Embankment
- Bottom of Embankment
- Ditch - top of bank
- Ditch - base
- Approximate tie-in to salt marsh
- New flood embankment
- Regraded Saltmarsh
- MJ Movement Joint

Key plan



Reference drawings

IMSO000648-MMC-01-W7-DR-C-2731 General Arrangement
IMSO000648-MMC-01-W7-DR-C-2732 Sections - Sheet 1
IMSO000648-MMC-01-W7-DR-C-2733 Sections and Details - Sheet 2
IMSO000648-MMC-01-W7-DR-C-2739 Sections and Details - Sheet 5

1:100 0 5m 10m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P05	07.12.17	PMS	for Planning Approval	NJC	PJP
C02	30.11.17	PMS	Construction Revision	NJC	PJP
C01	18.05.16	PMS	Contract Drawing	NJC	PJP

Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
C2 River bank prone to settlement and collapse if overloaded.
C3 UXO - Military activity within the Shoreham area during the Second World War.
C4 Risk to damage road/wall foundations.
C5 Discovery of contaminated material.
C6 Loss of existing embankment material leading to loss of flood protection.
C7 Presence of asbestos water main to be made redundant.
C8 Intertidal environment.
C9 Site within SSSI with Heritage Features Present.

MAINTENANCE

M1 Potential collapse of embankments due to excavations or presence of additional loads.

DEMOLITION

See Construction risks above

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Client

Environment Agency

Title

Shoreham Adur Tidal Walls
Reach W7 - Shoreham Airport

Detail W7 - 3

Designed	R G Kennett	RGK	Eng check	D Collery	DC
Drawn	D Reid	DR	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
1:100	S2	P05	STD

Drawing Number
IMSO000648-MMC-01-W7-DR-C-2738

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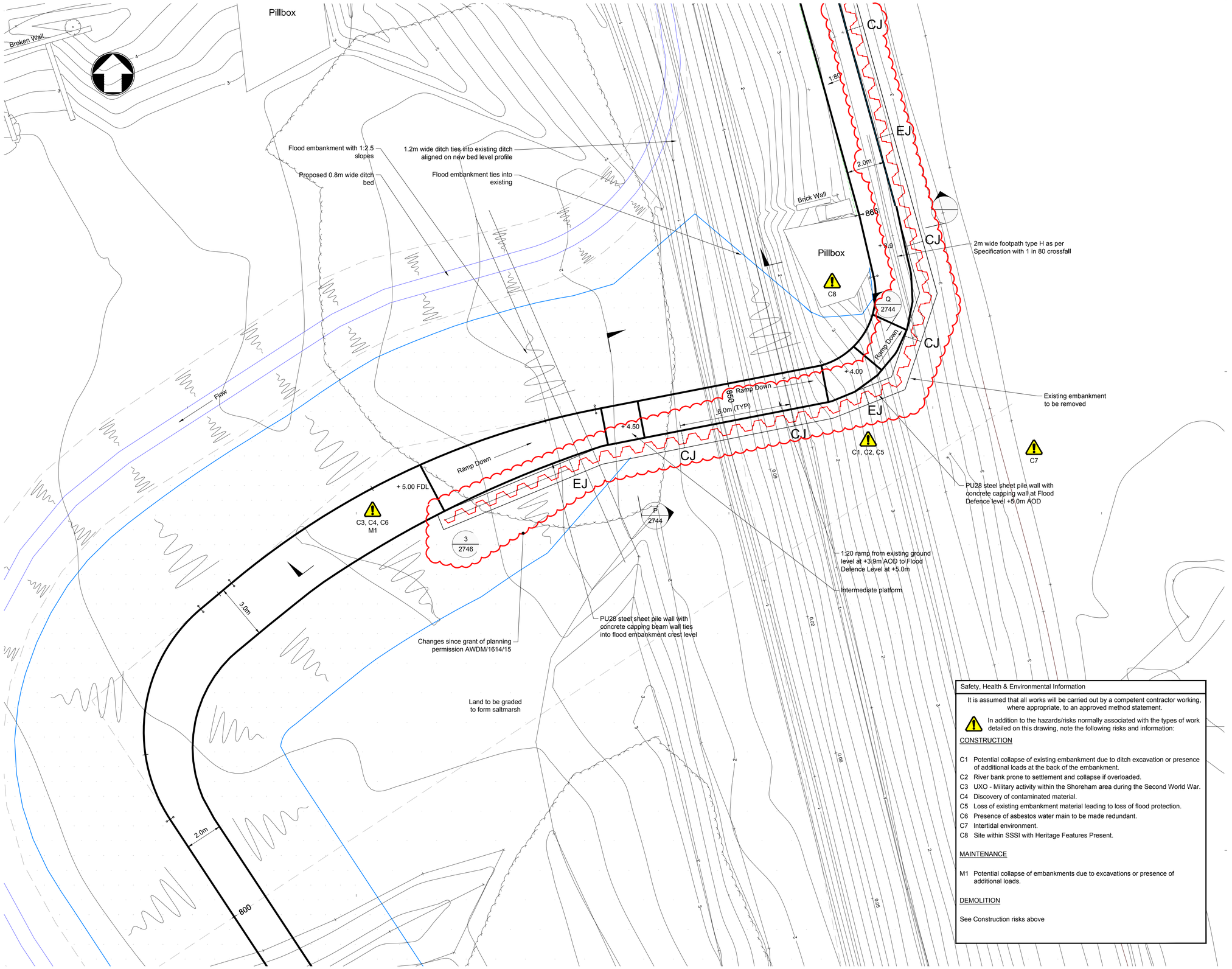


Notes

1. All dimensions are in metres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Embankment earthworks to be constructed as per specification and drawing IMSO000648-MMC-01-W7-DR-C-2732. Flood Defence Level (F.D.L) +5.0mAOD. Embankments constructed above this level to allow for settlement as per drawing IMSO000648-MMC-01-W7-DR-C-2732.

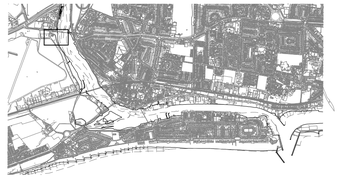
Key to symbols

- Top of Embankment
- Bottom of Embankment
- Ditch - top of bank
- Ditch - base
- Approximate tie-in to salt marsh
- New flood embankment
- Regraded Saltmarsh

CJ Construction joint in capping beam

EJ Expansion joint in capping beam

Key plan



Reference drawings

IMSO000648-MMC-01-W7-DR-C-2730 - Reach Overview
IMSO000648-MMC-01-W7-DR-C-2731 - General Arrangement
IMSO000648-MMC-01-W7-DR-C-2732 - Sections - Sheet 1
IMSO000648-MMC-01-W7-DR-C-2733 - Sections and Details - Sheet 2
IMSO000648-MMC-01-W7-DR-C-2744 - Sections - Sheet 8
IMSO000648-MMC-01-W7-DR-C-2746 - Sections and Details Sheet 9

1:100 0 5m 10m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P05	21.11.17	IAS	for Planning Approval	NJC	PJP
C02	01.07.16	PMS	Construction Revision	NJC	PJP
C01	18.05.16	PMS	Contract Drawing	NJC	PJP

Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
C2 River bank prone to settlement and collapse if overloaded.
C3 UXO - Military activity within the Shoreham area during the Second World War.
C4 Discovery of contaminated material.
C5 Loss of existing embankment material leading to loss of flood protection.
C6 Presence of asbestos water main to be made redundant.
C7 Intertidal environment.
C8 Site within SSSI with Heritage Features Present.

MAINTENANCE

M1 Potential collapse of embankments due to excavations or presence of additional loads.

DEMOLITION

See Construction risks above

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Client

Environment Agency

Title

Shoreham Adur Tidal Walls
Reach W7 - Shoreham Airport

Detail W7 - 5

Designed	R G Kennett	RGK	Eng check	D Collery	DC
Drawn	D Reid	DR	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
1:100	S2	P05	STD

Drawing Number
IMSO000648-MMC-01-W7-DR-C-2743

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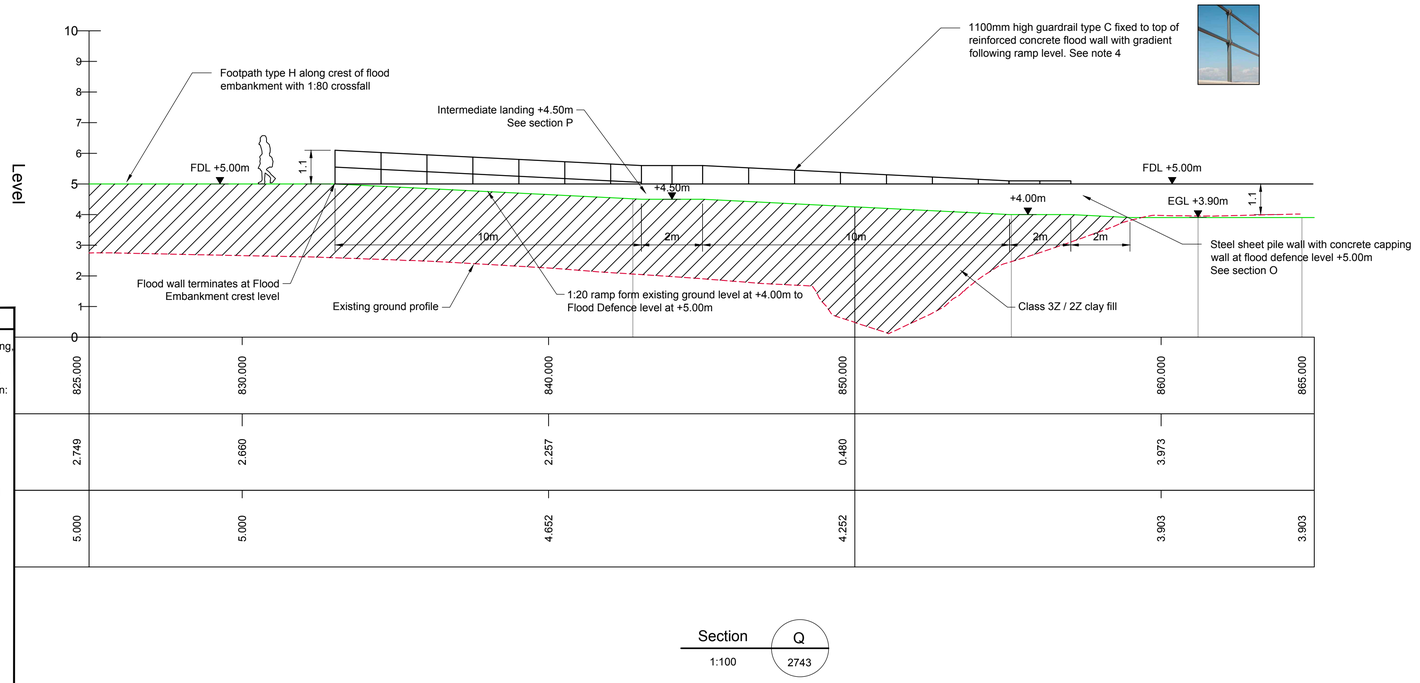


Section Q
1:100 2743

Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
C2 River bank prone to settlement and collapse if overloaded.
C3 UXO - Military activity within the Shoreham area during the Second World War.
C4 Discovery of contaminated material.
C5 Loss of existing embankment material leading to loss of flood protection.
C6 Presence of asbestos water main to be made redundant.
C7 Intertidal environment.
C8 Site within SSSI with Heritage Features Present.

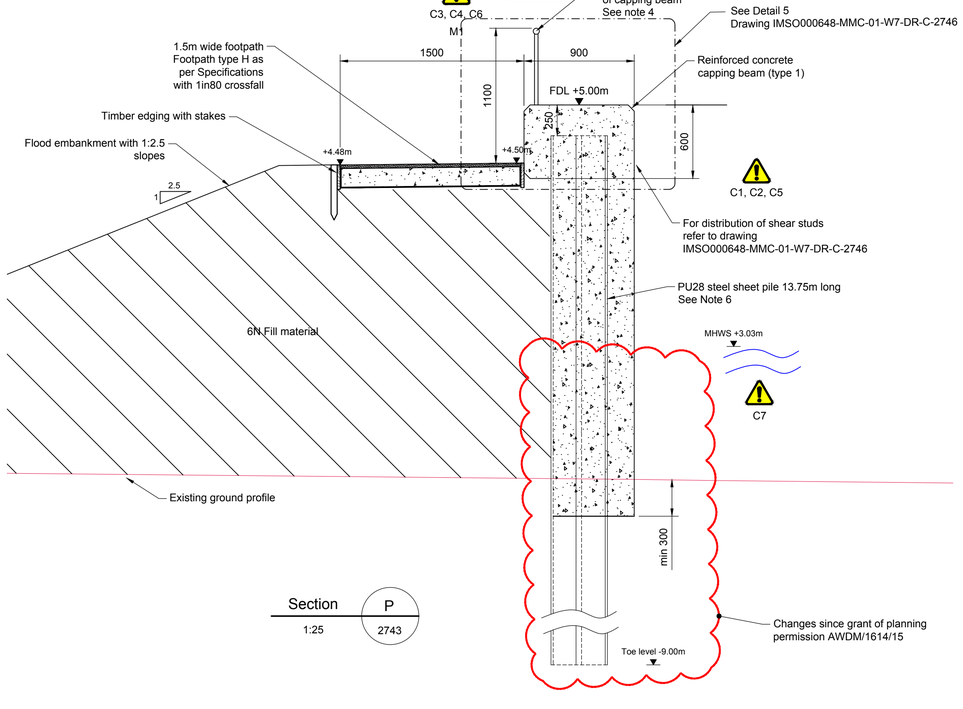
MAINTENANCE

M1 Potential collapse of embankments due to excavations or presence of additional loads.

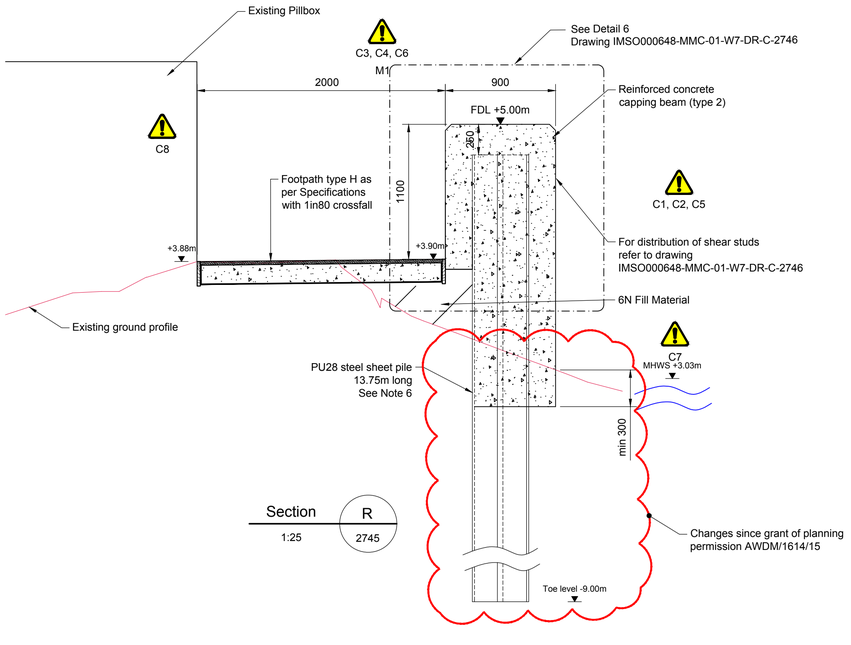
DEMOLITION

See Construction risks above





Section P
1:25 2743



Section R
1:25 2745

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Notes

1. All dimensions are in millimetres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.
4. Handrail to be Bridgwater Iron 2 Rail 8 x1572 Broxap or similar approved. Posts to be painted grey and rails to be 316 Marine grade stainless steel.
5. Reinforced concrete to be C40/50 as per specification.
6. Shear studs to be Grade 8.8 and welded on the steel sheet pile walls.
7. Embankment earthworks to be constructed as per specification and drawing IMSO000648-MMC-01-W7-DR-C-2732. Flood Defence Level (F.D.L) +5.0mAOD. Embankments constructed above this level to allow for settlement as per drawing IMSO000648-MMC-01-W7-DR-C-2732.

Key to symbols

- Proposed Embankment / Finished ground level
- Existing Ground
- Ditch
- Class 3Z / 2Z clay fill
- Class 4 fill
- Class 1A (R) fill

Reference drawings

IMSO000648-MMC-01-W7-DR-C-2732 - Sections - Sheet 1
IMSO000648-MMC-01-W7-DR-C-2733 - Sections and Details - Sheet 2
IMSO000648-MMC-01-W7-DR-C-2743 - Detail W7-5
IMSO000648-MMC-01-W7-DR-C-2746 - Sections and Details - Sheet 9
IMSO000648-MMC-01-W7-DR-C-2750 - Reinforcement Details - Capping Beams

1:100 0 5m 10m
1:25 0 1.250m 2.5m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P06	07.12.17	IAS	for Planning Approval	NJC	PJP
C03	30.11.17	IAS	Construction Revision	NJC	PJP
C02	01.07.16	PMS	Construction Revision	NJC	PJP
C01	18.05.16	PMS	Contract Drawing	NJC	PJP

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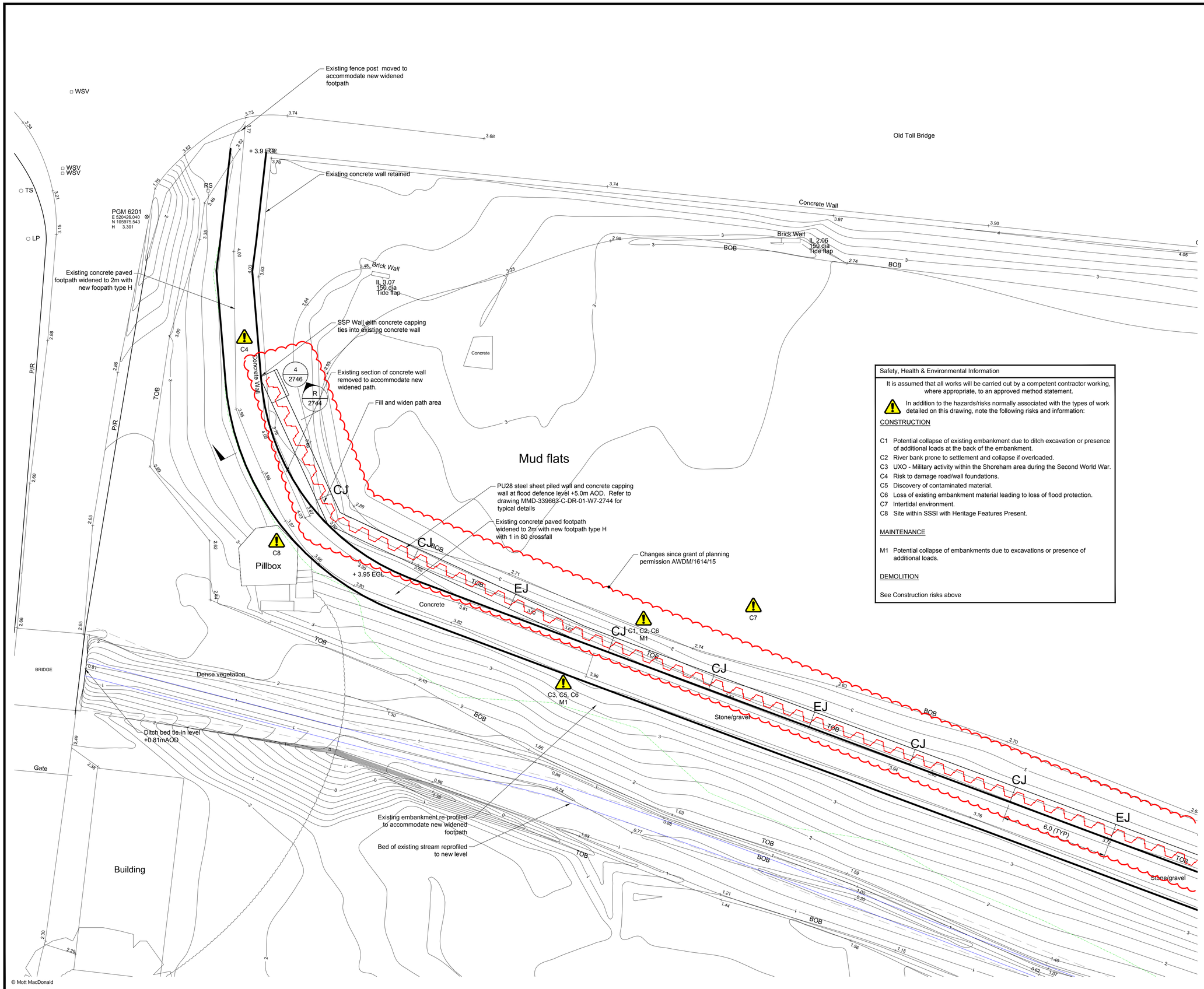
Client
Environment Agency

Title
Shoreham Adur Tidal Walls
Reach W7 - Shoreham Airport
Sections - Sheet 8

Designed	R G Kennett	RGK	Eng check	D Collery	DC
Drawn	D Reid	DR	Coordination	N J Clarke	NJC
Dwg check	D Collery	DC	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
1:100	S2	P06	STD

Drawing Number
IMSO000648-MMC-01-W7-DR-C-2744



Safety, Health & Environmental Information

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement.

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following risks and information:

CONSTRUCTION

- C1 Potential collapse of existing embankment due to ditch excavation or presence of additional loads at the back of the embankment.
- C2 River bank prone to settlement and collapse if overloaded.
- C3 UXO - Military activity within the Shoreham area during the Second World War.
- C4 Risk to damage road/wall foundations.
- C5 Discovery of contaminated material.
- C6 Loss of existing embankment material leading to loss of flood protection.
- C7 Intertidal environment.
- C8 Site within SSSI with Heritage Features Present.

MAINTENANCE

- M1 Potential collapse of embankments due to excavations or presence of additional loads.

DEMOLITION

See Construction risks above

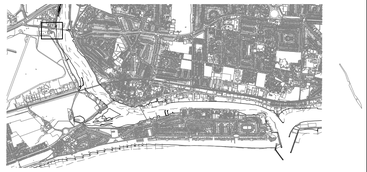
Notes

1. All dimensions are in metres unless noted otherwise.
2. All levels are in metres relative to Ordnance Datum Newlyn (OD).
3. All positions are in metres relative to National Grid.

Key to symbols

- Top of Embankment
- Bottom of Embankment
- Ditch - top of bank
- Ditch - base
- Approximate tie-in to salt marsh
- New flood embankment
- Regraded Saltmarsh
- CJ Construction joint in capping beam
- EJ Expansion joint in capping beam

Key plan



Reference drawings

IMSO000648-MMC-01-W7-DR-C-2731 - General Arrangement
IMSO000648-MMC-01-W7-DR-C-2744 - Sections Sheet 8
IMSO000648-MMC-01-W7-DR-C-2746 - Sections and Details Sheet 9

1:100 0 5m 10m

Rev	Date	Drawn	Description	Ch'k'd	App'd
P06	21.11.17	IAS	for Planning Approval	NJC	PJP
C02	01.07.16	PMS	Construction Revision	NJC	PJP
C01	18.05.16	PMS	Contract Drawing	NJC	PJP

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Client

Environment Agency

Title

Shoreham Adur Tidal Walls
Reach W7 - Shoreham Airport

Detail W7 - 6

Designed	R G Kennett	RGK	Eng check	D Collery	DC
Drawn	D Reid	DR	Coordination	N J Clarke	NJC
Dwg check	P M Starnes	PMS	Approved	P J Phipps	PJP

Scale at A1	Status	Rev	Security
1:100	S2	P06	STD

Drawing Number
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