

EXHIBITION COPY

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	20/02/19	DG	Public Exhibition	BM	
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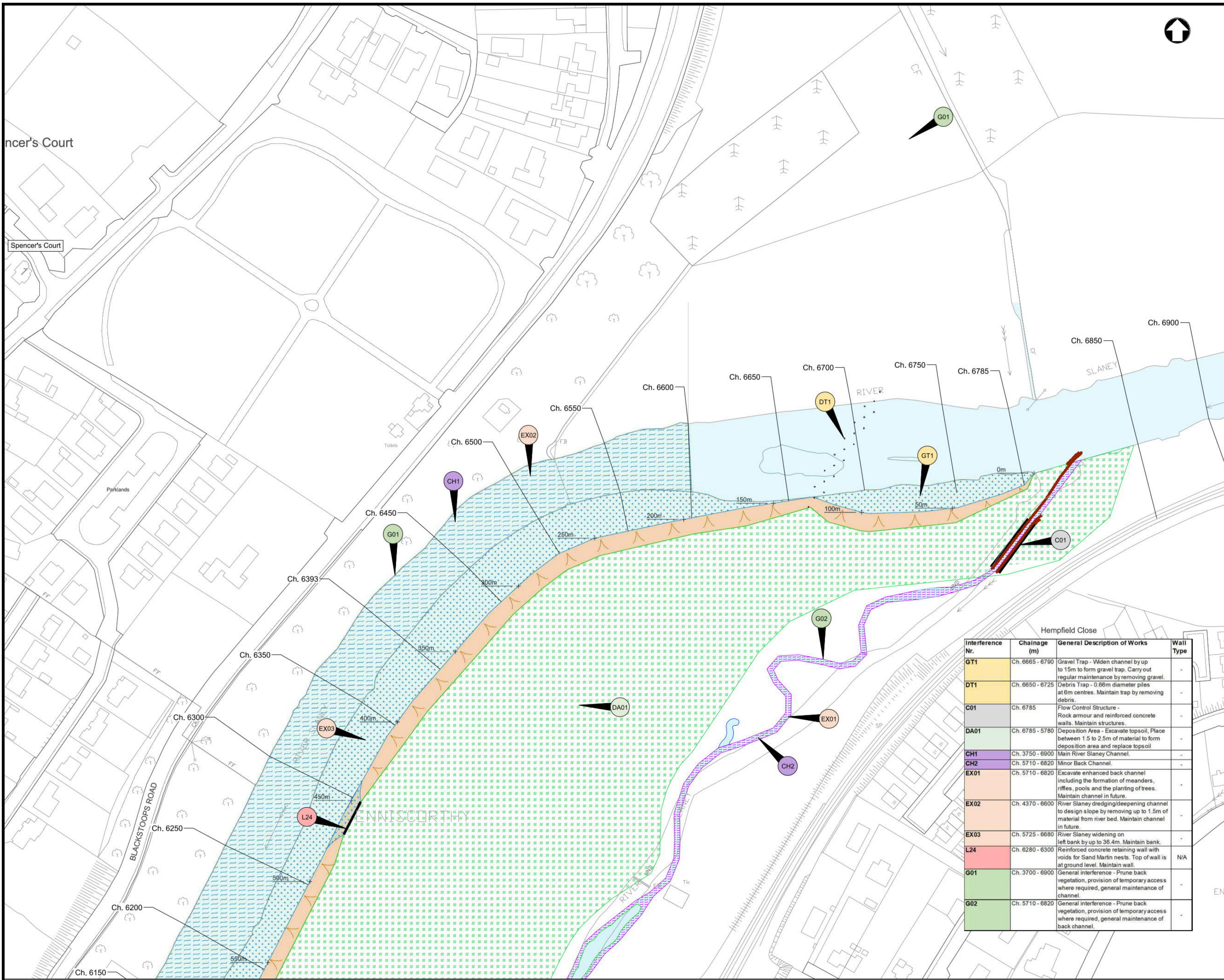
Status Stamp
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Title
 River Slaney (Enniscorthy)
 Drainage Scheme

Public Exhibition Key Plan

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
Dwg check	BM	BM	Approved	BW	BW
Scale at A1	1:3000	Suitability Code	Rev	P03	Security
		S2			STD
Suitability Description Suitable for Information					

Drawing Number
355741-MMD-00-XX-DR-N-0400



Notes

355741-MMD-00-DR-N-0401
 355741-MMD-00-DR-N-0402
 355741-MMD-00-DR-N-0403
 355741-MMD-00-DR-N-0404
 355741-MMD-00-DR-N-0405
 355741-MMD-00-DR-N-0406

LEGEND

- Proposed Flood Wall
- Proposed Glass Flood Wall
- Proposed River Widening Excavation
- Proposed Infilling
- River Dredging
- Back Channel
- Proposed Deflectors
- Proposed Fish Pool
- Roadworks, works to Footpath and Public Realm
- Proposed Pump Station

EXHIBITION COPY

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Interference Nr.	Chainage (m)	General Description of Works	Wall Type
GT1	Ch. 6665 - 6790	Gravel Trap - Widen channel by up to 15m to form gravel trap. Carry out regular maintenance by removing gravel.	-
DT1	Ch. 6650 - 6725	Debris Trap - 0.66m diameter piles at 6m centres. Maintain trap by removing debris.	-
C01	Ch. 6785	Flow Control Structure - Rock armour and reinforced concrete walls. Maintain structures.	-
DA01	Ch. 6785 - 5780	Deposition Area - Excavate topsoil. Place between 1.5 to 2.5m of material to form deposition area and replace topsoil.	-
CH1	Ch. 3750 - 6900	Main River Slaney Channel.	-
CH2	Ch. 5710 - 6820	Minor Back Channel.	-
EX01	Ch. 5710 - 6820	Excavate enhanced back channel including the formation of meanders, riffles, pools and the planting of trees. Maintain channel in future.	-
EX02	Ch. 4370 - 6600	River Slaney dredging/deepening channel to design slope by removing up to 1.5m of material from river bed. Maintain channel in future.	-
EX03	Ch. 5725 - 6680	River Slaney widening on left bank by up to 36.4m. Maintain bank.	-
L24	Ch. 6280 - 6300	Reinforced concrete retaining wall with voids for Sand Martin nests. Top of wall is at ground level. Maintain wall.	N/A
G01	Ch. 3700 - 6900	General interference - Prune back vegetation, provision of temporary access where required, general maintenance of channel.	-
G02	Ch. 5710 - 6820	General interference - Prune back vegetation, provision of temporary access where required, general maintenance of back channel.	-

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River Slaney (Enniscorthy) Drainage Scheme

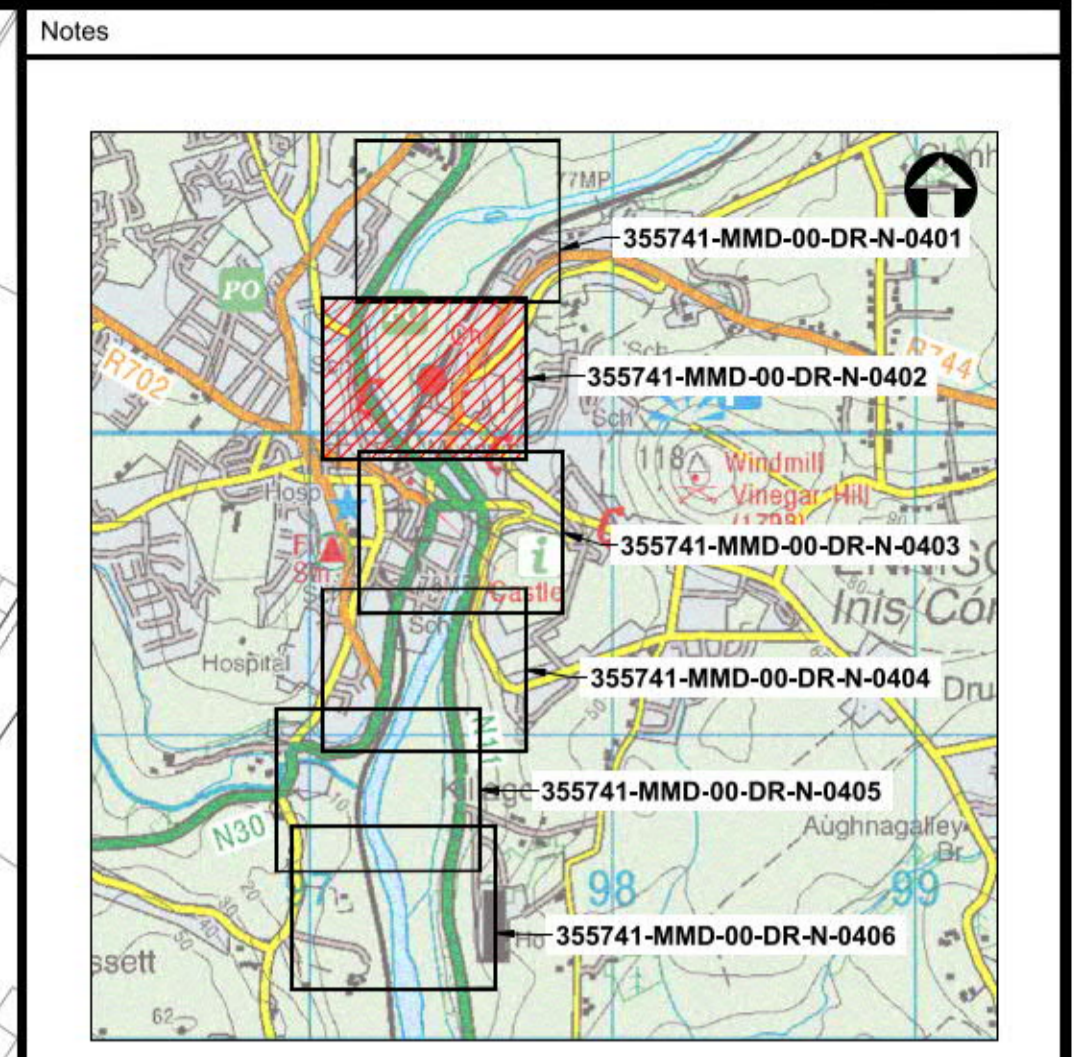
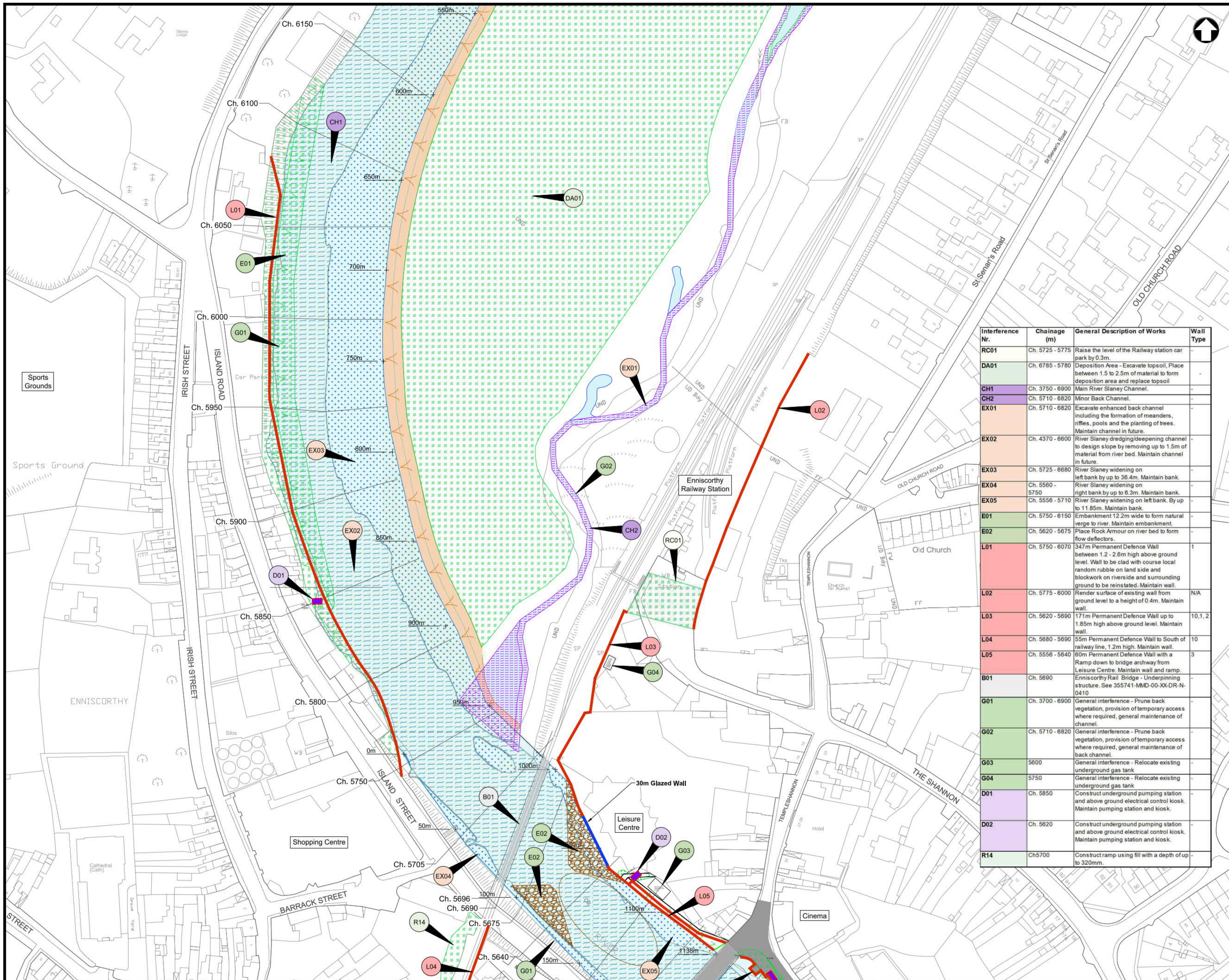
Flood Defences Plan
 Sheet 1 of 6

Designed	BO	BO	Eng check	BO	BO
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Dwg check	BM	BM	Approved	BW	BW
Scale at A1	1:1000	Suitability Code	Rev	P04	Security
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Drawing Number

355741-MMD-00-XX-DR-N-0401



LEGEND

- Proposed Flood Wall
- Proposed Glass Flood Wall
- Proposed River Widening Excavation
- Proposed Infilling
- River Dredging
- Back Channel
- Proposed Deflectors
- Proposed Fish Pool
- Roadworks, works to Footpath and Public Realm
- Proposed Pump Station

EXHIBITION COPY

Interference Nr.	Chainage (m)	General Description of Works	Wall Type
RC01	Ch. 5725 - 5775	Raise the level of the Railway station car park by 0.3m.	-
DA01	Ch. 6785 - 5780	Deposition Area - Excavate topsoil. Place between 1.5 to 2.5m of material to form deposition area and replace topsoil	-
CH1	Ch. 3750 - 6900	Main River Slaney Channel.	-
CH2	Ch. 5710 - 6820	Minor Back Channel.	-
EX01	Ch. 5710 - 6820	Excavate enhanced back channel including the formation of meanders, riffles, pools and the planting of trees. Maintain channel in future.	-
EX02	Ch. 4370 - 6800	River Slaney dredging/deepening channel to design slope by removing up to 1.5m of material from river bed. Maintain channel in future.	-
EX03	Ch. 5725 - 6680	River Slaney widening on left bank by up to 36.4m. Maintain bank.	-
EX04	Ch. 5560 - 5750	River Slaney widening on right bank by up to 6.3m. Maintain bank.	-
EX05	Ch. 5556 - 5710	River Slaney widening on left bank. By up to 11.85m. Maintain bank.	-
E01	Ch. 5750 - 6150	Embankment 12.2m wide to form natural verge to river. Maintain embankment.	-
E02	Ch. 5620 - 5675	Place Rock Armour on river bed to form flow deflectors.	-
L01	Ch. 5750 - 6070	347m Permanent Defence Wall between 1.2 - 2.6m high above ground level. Wall to be clad with coarse local random rubble on land side and blockwork on riverside and surrounding ground to be reinstated. Maintain wall.	1
L02	Ch. 5775 - 8000	171m Permanent Defence Wall up to 1.85m high above ground level. Maintain wall.	N/A
L03	Ch. 5620 - 5690	171m Permanent Defence Wall up to 1.85m high above ground level. Maintain wall.	10, 1, 2
L04	Ch. 5680 - 5690	55m Permanent Defence Wall to South of railway line, 1.2m high. Maintain wall.	10
L05	Ch. 5556 - 5640	60m Permanent Defence Wall with a Ramp down to bridge archway from Leisure Centre. Maintain wall and ramp.	3
B01	Ch. 5690	Enniscorthy Rail Bridge - Underpinning structure. See 355741-MMD-00-XX-DR-N-0410	-
G01	Ch. 3700 - 6900	General interference - Prune back vegetation, provision of temporary access where required, general maintenance of channel.	-
G02	Ch. 5710 - 6820	General interference - Prune back vegetation, provision of temporary access where required, general maintenance of back channel.	-
G03	5600	General interference - Relocate existing underground gas tank	-
G04	5750	General interference - Relocate existing underground gas tank	-
D01	Ch. 5850	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D02	Ch. 5620	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
R14	Ch. 5700	Construct ramp using fill with a depth of up to 320mm.	-

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P05	18/04/19	DG	For Information		NS BW
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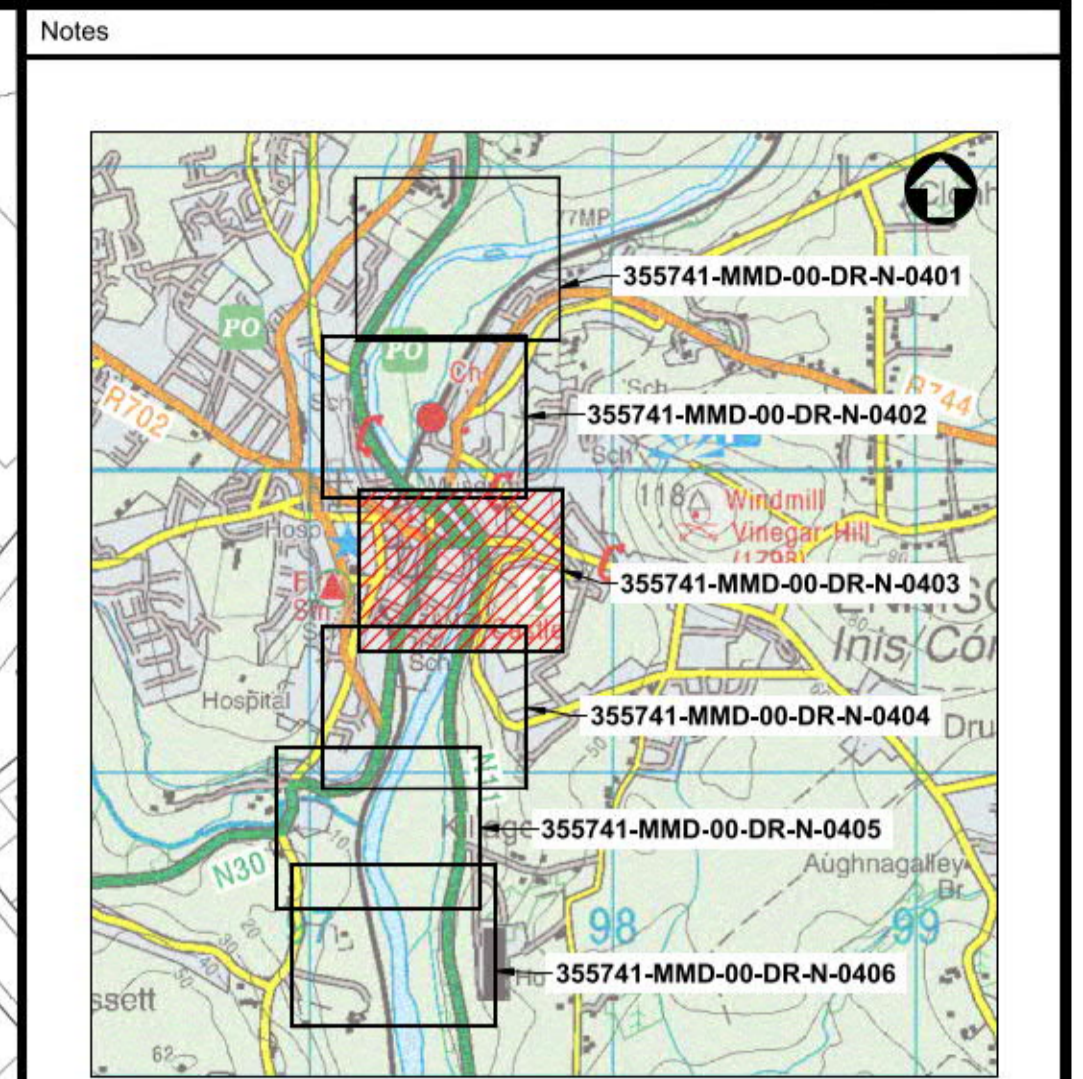
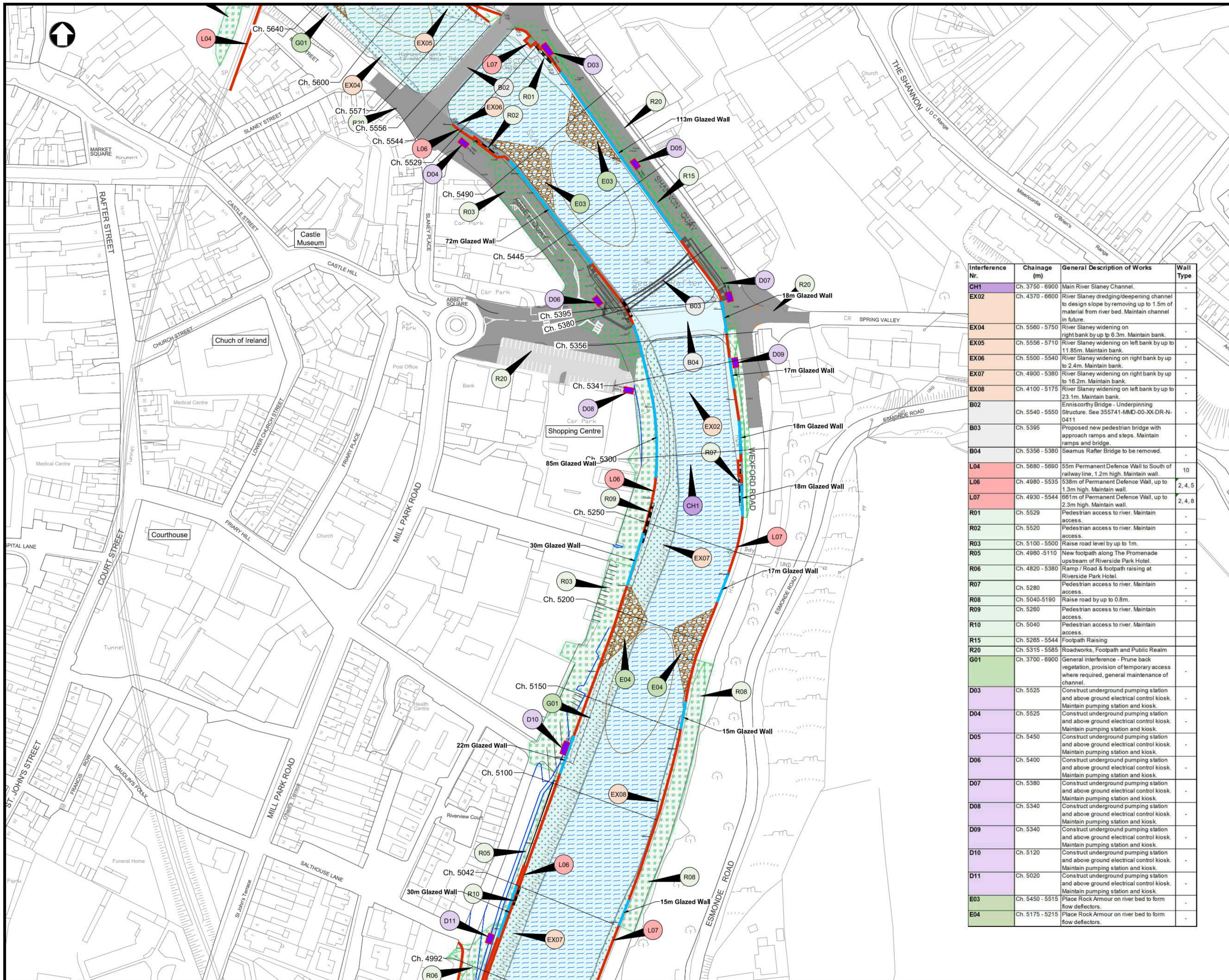
Flood Defences Plan Sheet 2 of 6

Designed	BO	BO	Eng check	BO	BO
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Dwg check	BM	BM	Approved	BW	BW
Scale at A1	1:1000	Suitability Code	Rev	P06	Security
		S2			STD

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Drawing Number

355741-MMD-00-XX-DR-N-0402



LEGEND

- Proposed Flood Wall
- Proposed Glass Flood Wall
- Proposed River Widening Excavation
- Proposed Infilling
- River Dredging
- Back Channel
- Proposed Deflectors
- Proposed Fish Pool
- Roadworks, works to Footpath and Public Realm
- Proposed Pump Station

EXHIBITION COPY

Interference Nr.	Chainage (m)	General Description of Works	Wall Type
CH1	Ch. 3750 - 6900	Main River Slaney Channel.	-
EX02	Ch. 4370 - 6600	River Slaney dredging/deepening channel to design slope by removing up to 1.5m of material from river bed. Maintain channel in future.	-
EX04	Ch. 5560 - 5750	River Slaney widening on right bank by up to 6.3m. Maintain bank.	-
EX05	Ch. 5556 - 5710	River Slaney widening on left bank by up to 11.85m. Maintain bank.	-
EX06	Ch. 5500 - 5540	River Slaney widening on right bank by up to 2.4m. Maintain bank.	-
EX07	Ch. 4900 - 5380	River Slaney widening on right bank by up to 16.2m. Maintain bank.	-
EX08	Ch. 4100 - 5175	River Slaney widening on left bank by up to 23.1m. Maintain bank.	-
B02	Ch. 5540 - 5550	Ennis Corbry Bridge - Underpinning Structure. See 355741-MMD-00-XX-DR-N-0411	-
B03	Ch. 5395	Proposed new pedestrian bridge with approach ramps and steps. Maintain ramps and bridge.	-
B04	Ch. 5356 - 5380	Seamus Rafter Bridge to be removed.	-
L04	Ch. 5680 - 5690	55m Permanent Defence Wall to South of railway line, 1.2m high. Maintain wall.	10
L06	Ch. 4980 - 5535	538m of Permanent Defence Wall, up to 1.3m high. Maintain wall.	2, 4, 5
L07	Ch. 4930 - 5544	661m of Permanent Defence Wall, up to 2.3m high. Maintain wall.	2, 4, 8
R01	Ch. 5529	Pedestrian access to river. Maintain access.	-
R02	Ch. 5520	Pedestrian access to river. Maintain access.	-
R03	Ch. 5100 - 5500	Raise road level by up to 1m.	-
R05	Ch. 4980 - 5110	New footpath along The Promenade upstream of Riverside Park Hotel.	-
R06	Ch. 4820 - 5380	Ramps / Road & footpath raising at Riverside Park Hotel.	-
R07	Ch. 5280	Pedestrian access to river. Maintain access.	-
R08	Ch. 5040-5190	Raise road by up to 0.8m.	-
R09	Ch. 5260	Pedestrian access to river. Maintain access.	-
R10	Ch. 5040	Pedestrian access to river. Maintain access.	-
R15	Ch. 5265 - 5544	Footpath Raising	-
R20	Ch. 5315 - 5585	Roadworks, Footpath and Public Realm	-
G01	Ch. 3700 - 6900	General interference - Prune back vegetation, provision of temporary access where required, general maintenance of channel.	-
D03	Ch. 5525	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D04	Ch. 5525	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D05	Ch. 5450	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D06	Ch. 5400	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D07	Ch. 5380	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D08	Ch. 5340	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D09	Ch. 5340	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D10	Ch. 5120	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
D11	Ch. 5020	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
E03	Ch. 5450 - 5515	Place Rock Armour on river bed to form flow deflectors.	-
E04	Ch. 5175 - 5215	Place Rock Armour on river bed to form flow deflectors.	-

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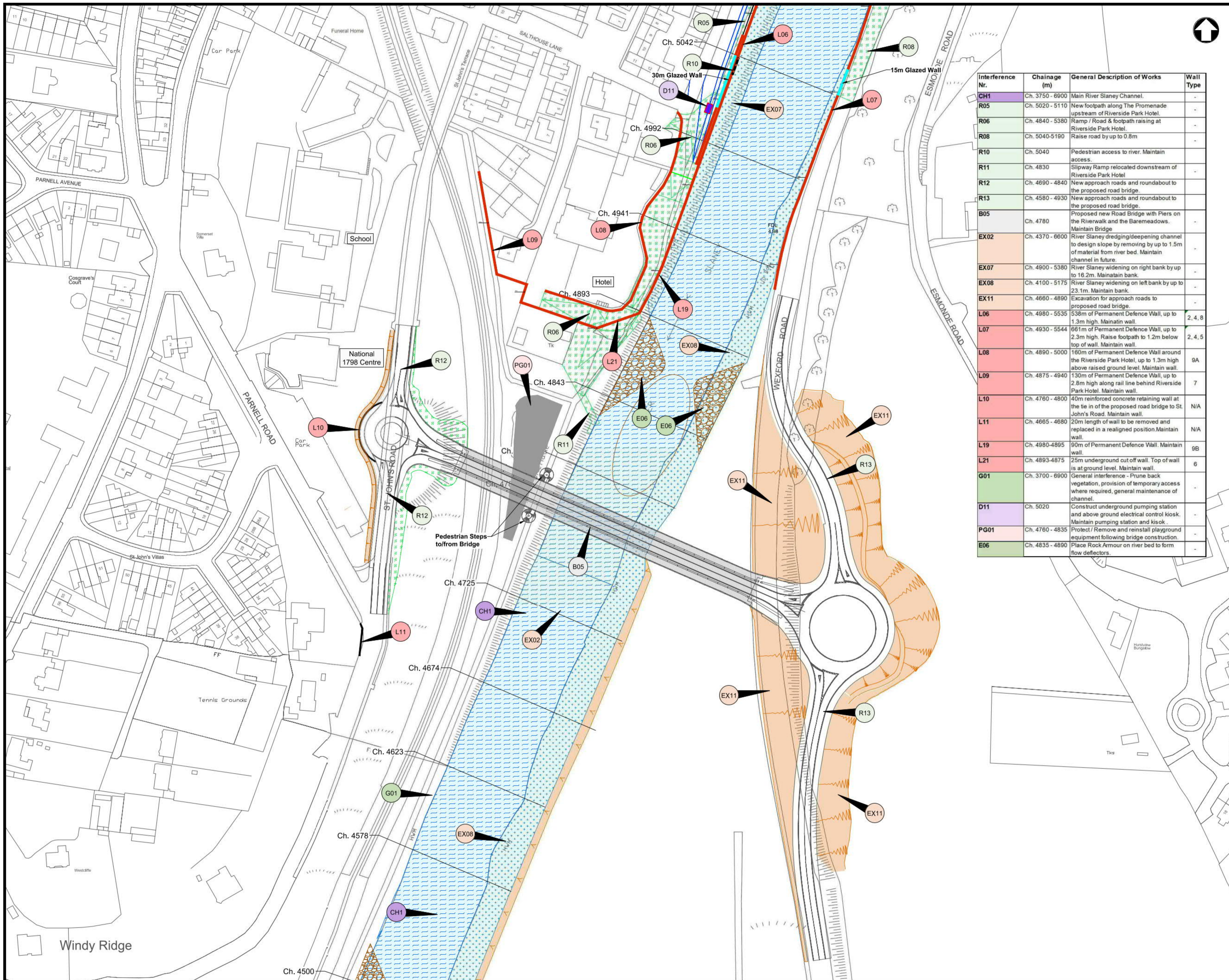
Flood Defences Plan
Sheet 3 of 6

Designed	BO	BO	Eng check	BO	BO
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Dwg check	BM	BM	Approved	BW	BW
Scale at A1	1:1000	Suitability Code	Rev	P05	Security
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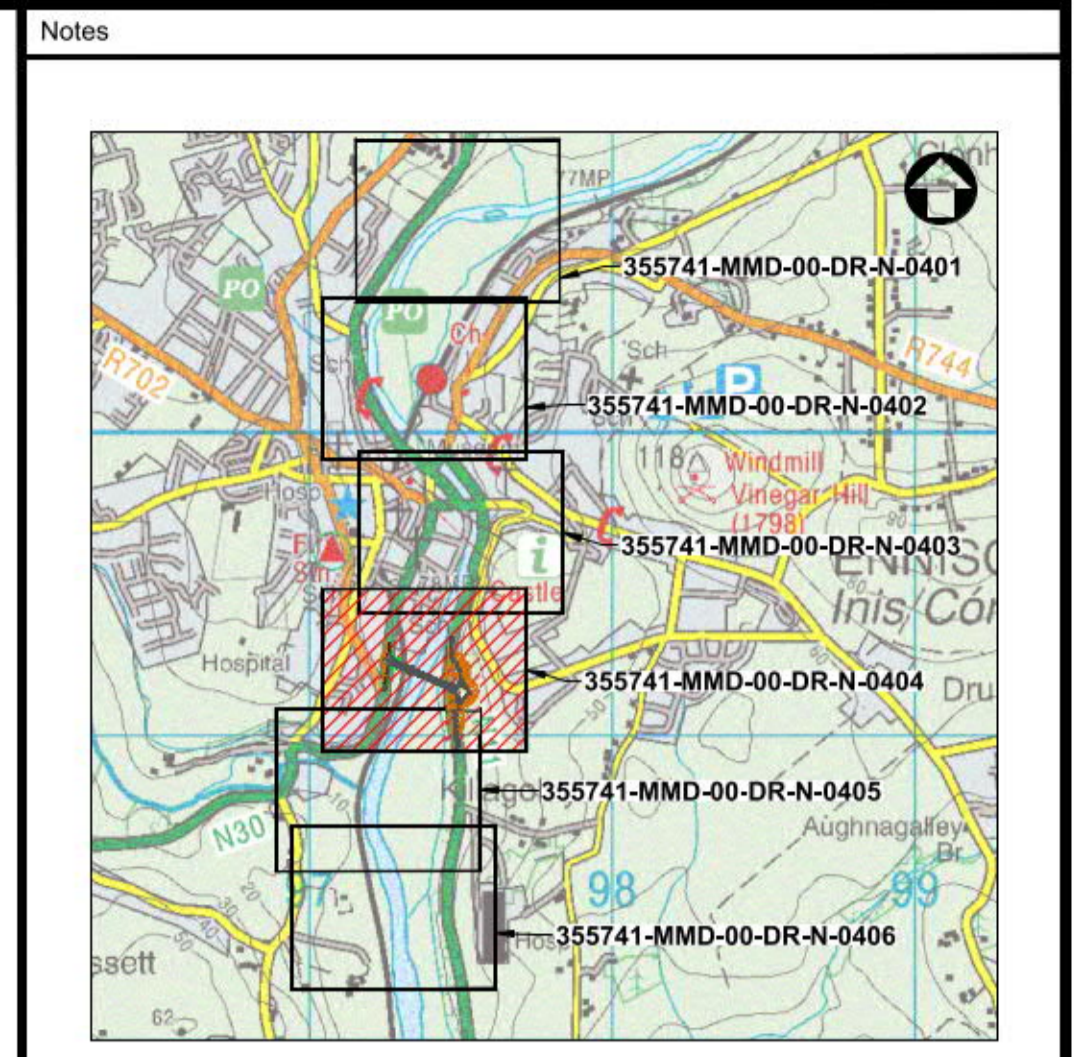
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Drawing Number

355741-MMD-00-XX-DR-N-0403



Interference Nr.	Chainage (m)	General Description of Works	Wall Type
CH1	Ch. 3750 - 6000	Main River Slaney Channel.	-
R05	Ch. 5020 - 5110	New footpath along The Promenade upstream of Riverside Park Hotel.	-
R06	Ch. 4840 - 5380	Ramp / Road & footpath raising at Riverside Park Hotel.	-
R08	Ch. 5040-5190	Raise road by up to 0.8m	-
R10	Ch. 5040	Pedestrian access to river. Maintain access.	-
R11	Ch. 4830	Slipway Ramp relocated downstream of Riverside Park Hotel	-
R12	Ch. 4690 - 4840	New approach roads and roundabout to the proposed road bridge.	-
R13	Ch. 4580 - 4830	New approach roads and roundabout to the proposed road bridge.	-
B05	Ch. 4780	Proposed new Road Bridge with Piers on the Riverbank and the Barmeadows. Maintain Bridge.	-
EX02	Ch. 4370 - 6000	River Slaney dredging/deepening channel to design slope by removing by up to 1.5m of material from river bed. Maintain channel in future.	-
EX07	Ch. 4900 - 5380	River Slaney widening on right bank by up to 16.2m. Maintain bank.	-
EX08	Ch. 4100 - 5175	River Slaney widening on left bank by up to 23.1m. Maintain bank.	-
EX11	Ch. 4660 - 4890	Excavation for approach roads to proposed road bridge.	-
L06	Ch. 4980 - 5535	538m of Permanent Defence Wall, up to 1.3m high. Maintain wall.	2, 4, 8
L07	Ch. 4930 - 5544	661m of Permanent Defence Wall, up to 2.3m high. Raise footpath to 1.2m below top of wall. Maintain wall.	2, 4, 5
L08	Ch. 4890 - 5000	180m of Permanent Defence Wall around the Riverside Park Hotel, up to 1.3m high above raised ground level. Maintain wall.	9A
L09	Ch. 4875 - 4940	130m of Permanent Defence Wall, up to 2.8m high along rail line behind Riverside Park Hotel. Maintain wall.	7
L10	Ch. 4760 - 4800	40m reinforced concrete retaining wall at the tie in of the proposed road bridge to St John's Road. Maintain wall.	N/A
L11	Ch. 4665 - 4680	20m length of wall to be removed and replaced in a realigned position. Maintain wall.	N/A
L19	Ch. 4980-4895	90m of Permanent Defence Wall. Maintain wall.	9B
L21	Ch. 4893-4875	25m underground cut off wall. Top of wall is at ground level. Maintain wall.	6
G01	Ch. 3700 - 6900	General interference - Prune back vegetation, provision of temporary access where required, general maintenance of channel.	-
D11	Ch. 5020	Construct underground pumping station and above ground electrical control kiosk. Maintain pumping station and kiosk.	-
PG01	Ch. 4760 - 4835	Protect / Remove and reinstall playground equipment following bridge construction.	-
E06	Ch. 4835 - 4890	Place Rock Armour on river bed to form flow deflectors.	-



LEGEND

- Proposed Flood Wall
- Proposed Glass Flood Wall
- Proposed River Widening Excavation
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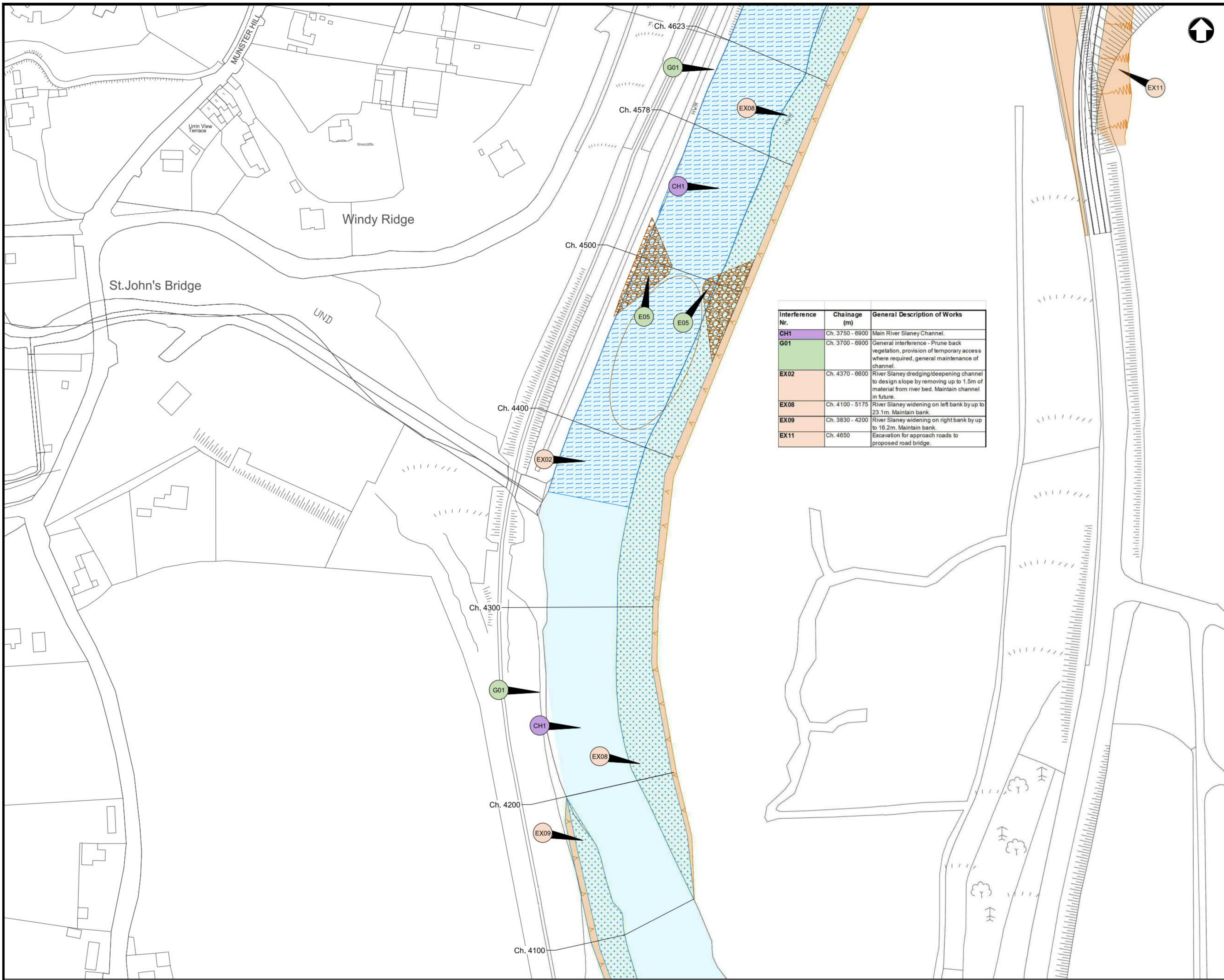
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River Slaney (Enniscorthy) Drainage Scheme

Flood Defences Plan Sheet 4 of 6

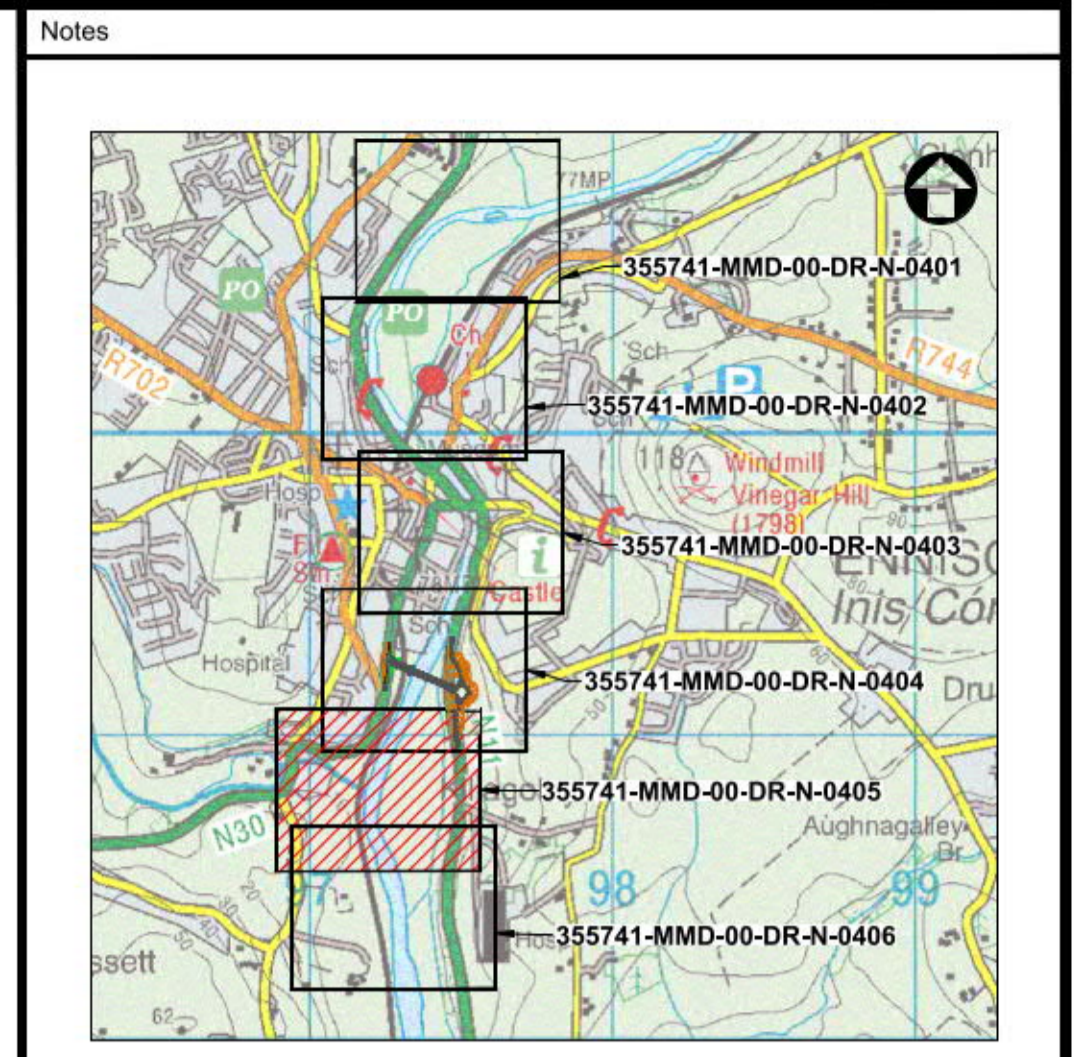
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Scale at A1	1:1000	Suitability Code	Rev	P05	Security
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Drawing Number
355741-MMD-00-XX-DR-N-0404



Interference Nr.	Chainage (m)	General Description of Works
CH1	Ch. 3750 - 6900	Main River Slaney Channel.
G01	Ch. 3700 - 6900	General Interference - Prune back vegetation, provision of temporary access where required, general maintenance of channel.
EX02	Ch. 4370 - 6600	River Slaney dredging/deepening channel to design slope by removing up to 1.5m of material from river bed. Maintain channel in future.
EX08	Ch. 4100 - 5175	River Slaney widening on left bank by up to 23.1m. Maintain bank.
EX09	Ch. 3830 - 4200	River Slaney widening on right bank by up to 18.2m. Maintain bank.
EX11	Ch. 4650	Excavation for approach roads to proposed road bridge.



LEGEND

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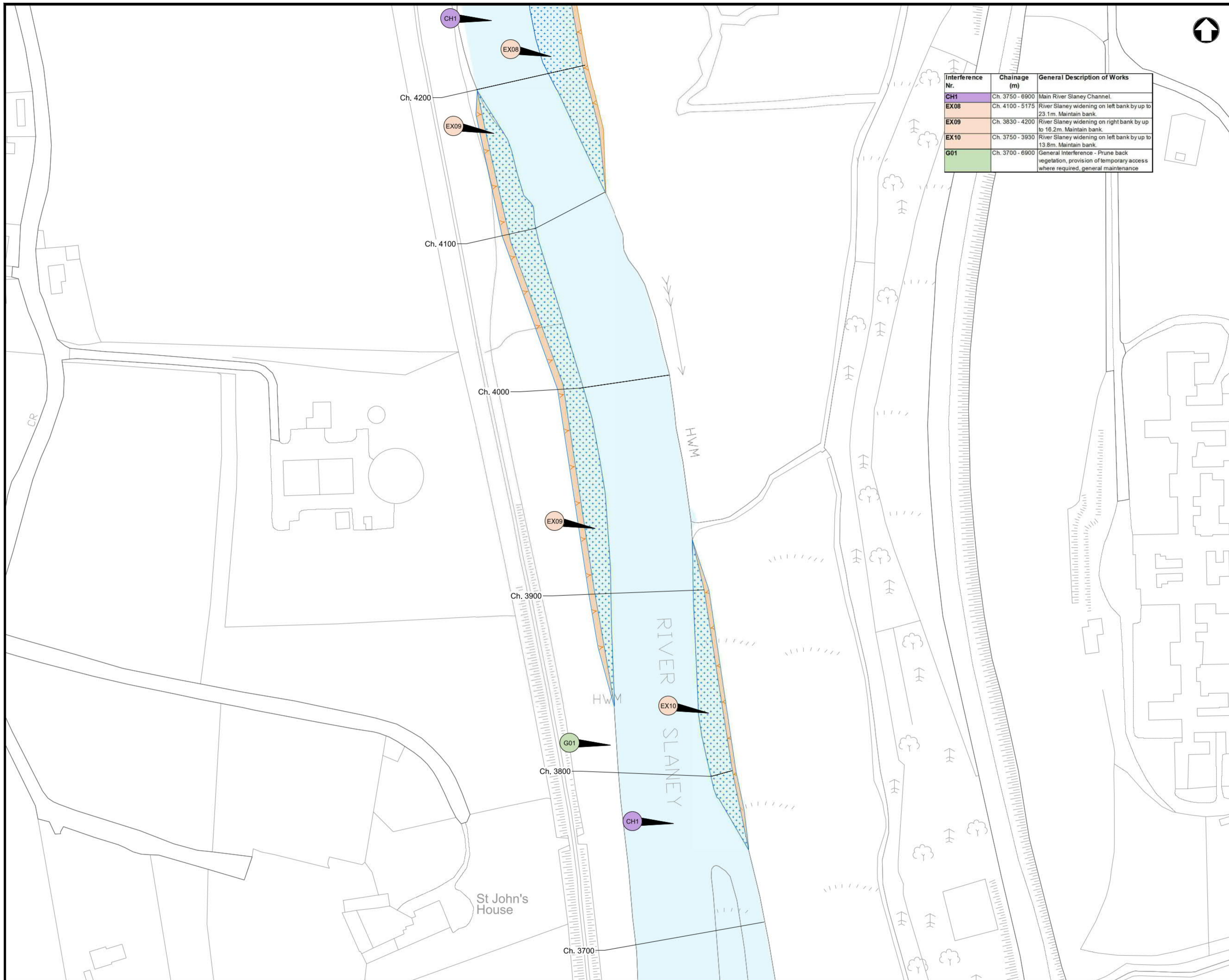
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River Slaney (Enniscorthy) Drainage Scheme

Flood Defences Plan
Sheet 5 of 6

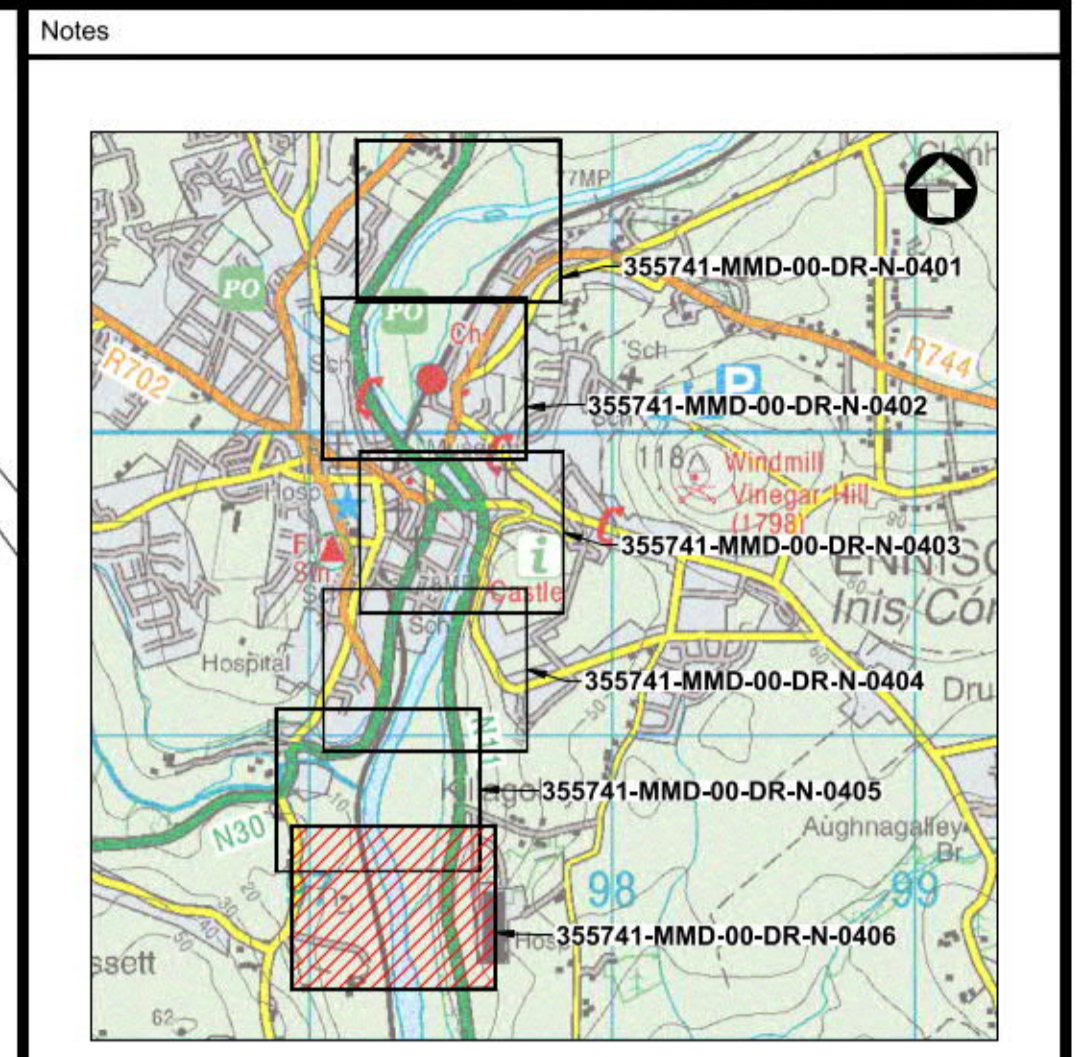
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Scale at A1	1:1000	Suitability Code	Rev	P04	Security
		S2			STD

Suitable for Information

Drawing Number
355741-MMD-00-XX-DR-N-0405



Interference Nr.	Chainage (m)	General Description of Works
CH1	Ch. 3750 - 6900	Main River Slaney Channel.
EX08	Ch. 4100 - 5175	River Slaney widening on left bank by up to 23.1m. Maintain bank.
EX09	Ch. 3830 - 4200	River Slaney widening on right bank by up to 16.2m. Maintain bank.
EX10	Ch. 3750 - 3930	River Slaney widening on left bank by up to 13.8m. Maintain bank.
G01	Ch. 3700 - 6900	General Interference - Prune back vegetation, provision of temporary access where required, general maintenance



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River Slaney (Enniscorthy)
Drainage Scheme

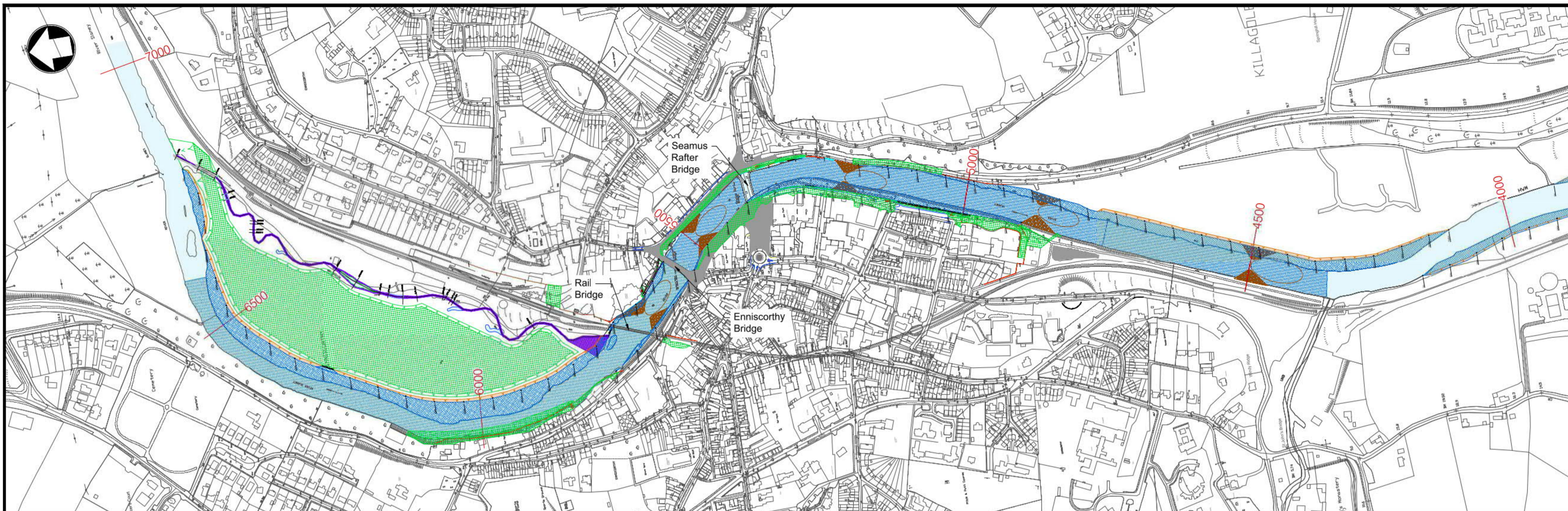
Flood Defences Plan
Sheet 6 of 6

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
Dwg check	BM	BM	Approved	BW	BW
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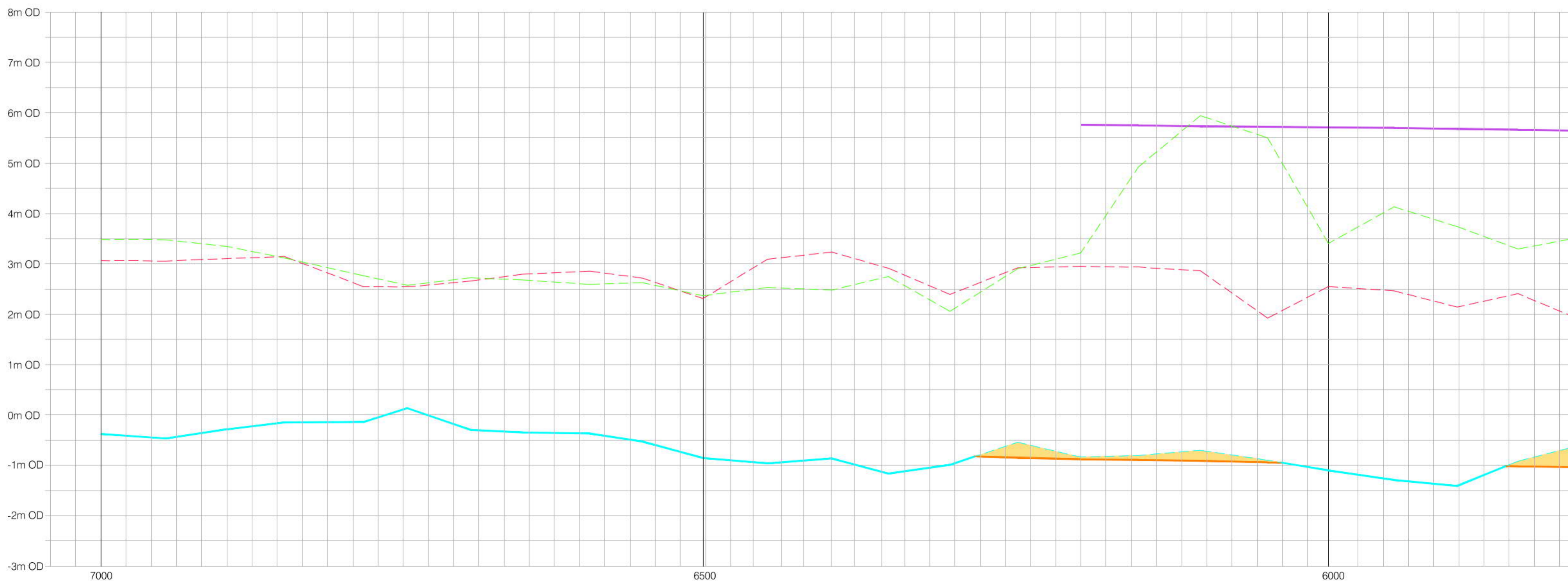
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Plan

LEGEND

- Right Bank Level
- Left Bank Level
- Existing River Bed Level
- Proposed Bed Level
- Proposed Defence Level
- River Bed to be Dredged



Long Section

- Notes
1. This drawing is to be read in conjunction with all relevant Engineers drawings and specifications.
 2. Do not scale from this drawing.
 3. All levels are in metres and relate to Ordnance Datum Malin Head.

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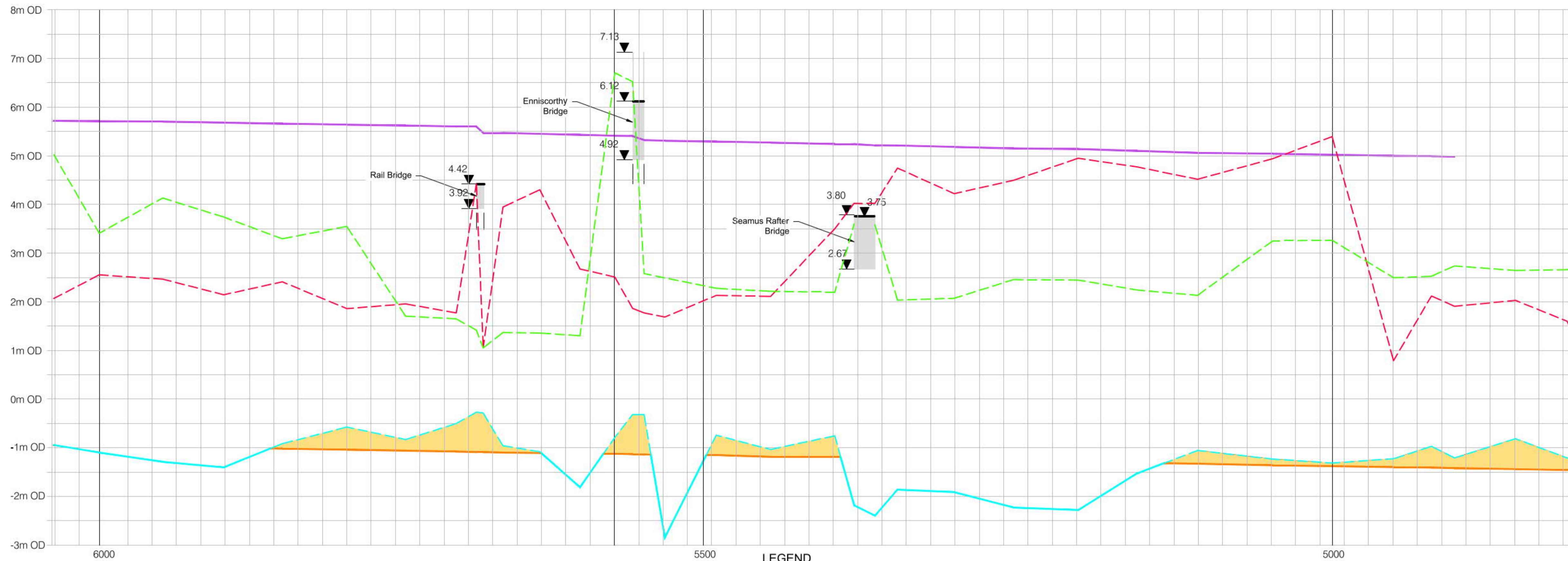
Title
River Slaney (Enniscorthy) Drainage Scheme

River Dredging - Longitudinal Section Sheet 1 of 2

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
DWg check	BM	BM	Approved	BW	BW
Scale at A1	NTS	Suitability Code	Rev	P03	Security
		S2			STD

Suitability Description
Suitable for Information

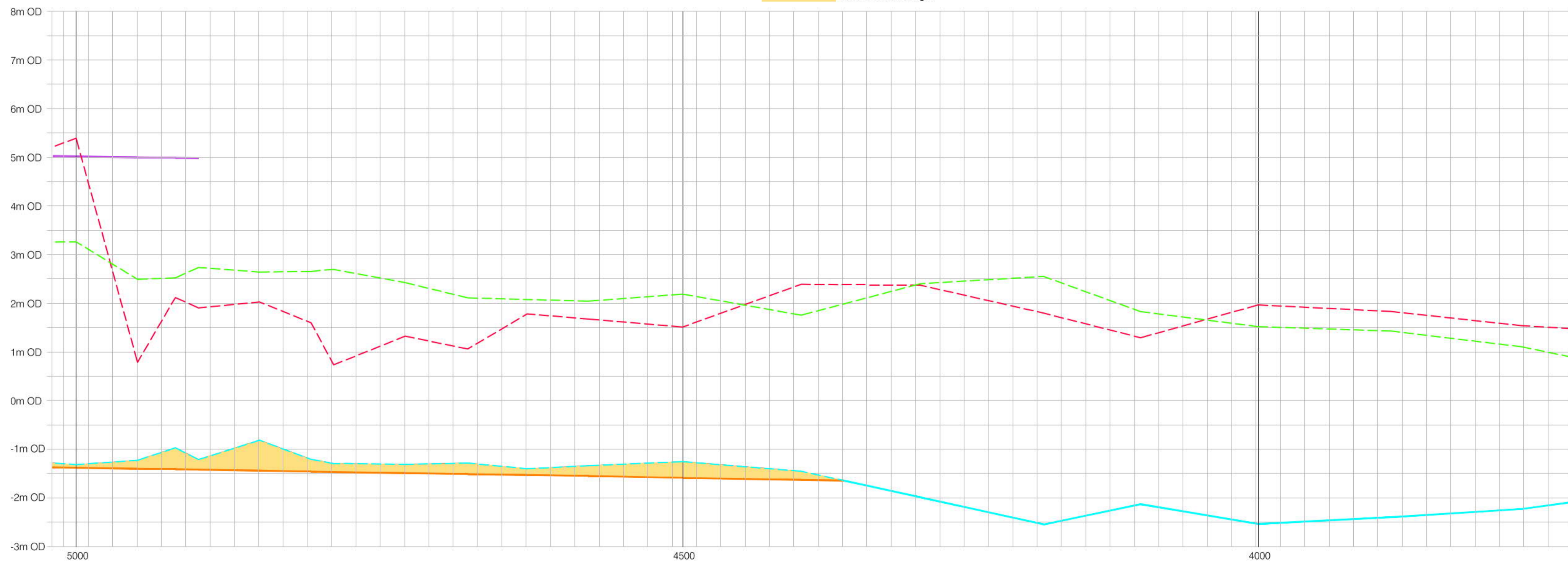
Drawing Number
355741-MMD-00-XX-DR-N-0407



Long Section

LEGEND

- Right Bank Level
- Left Bank Level
- Existing River Bed Level
- Proposed Bed Level
- Proposed Defence Level
- River Bed to be Dredged



Long Section

Notes

1. This drawing is to be read in conjunction with all relevant Engineers drawings and specifications.
2. Do not scale from this drawing.
3. All levels are in metres and relate to Ordnance Datum Malin Head.

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	20/02/19	DG	Public Exhibition	BM	
P02	26/02/19	DG	Minor Amendments	BO	BW
P03	08/04/19	DG	For Information	NS	BW

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Title
River Slaney (Enniscorthy) Drainage Scheme

River Dredging - Longitudinal Section Sheet 2 of 2

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
DWg check	BM	BM	Approved	BW	BW

Scale at A1
NTS

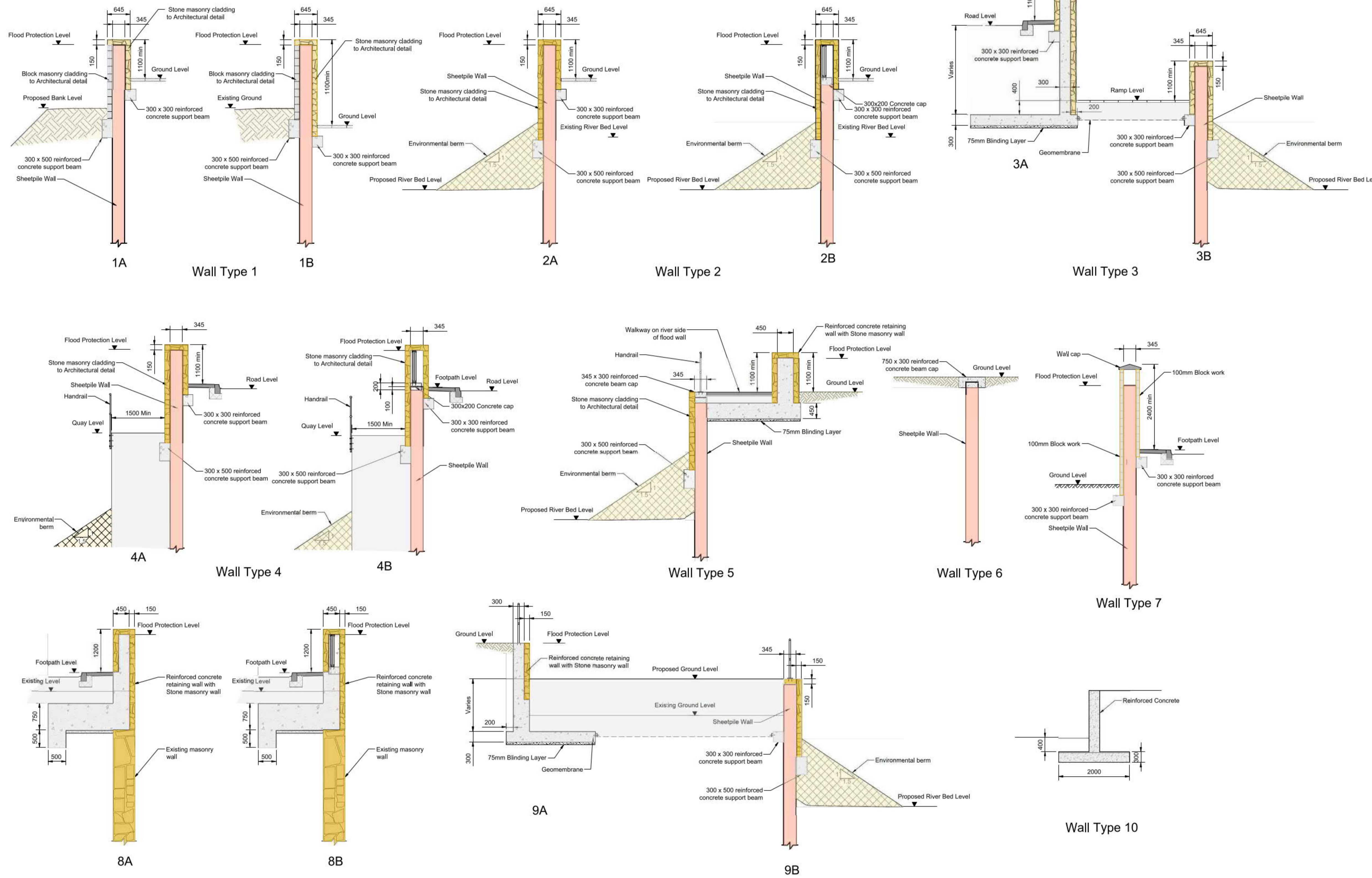
Suitability Code
S2

Rev
P03

Security
STD

Suitability Description
Suitable for Information

Drawing Number
355741-MMD-00-XX-DR-N-0408



- Notes**
1. This drawing is to be read in conjunction with all relevant Engineers drawings and specifications.
 2. Do not scale from this drawing.
 3. All levels are in metres and relate to Ordnance Datum Malin Head.
 4. No work shall be carried out on existing services and utilities without proper approval from the Local Authority or service provider.
 5. All existing services to be located prior to commencement of works, and suitably protected for the duration of the works.
 6. The Contractor is to check the accuracy of all tie-in levels. The Engineer is to be informed of any discrepancy immediately.
 7. The design of any temporary works shall be the responsibility of the Contractor.
 8. --- Wall finishes vary with location. Refer to Architectural Details.

EXHIBITION COPY

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	20/02/19	DG	Public Exhibition		BM
P02	26/02/19	DG	Minor Amendments		BO BW
P03	08/04/19	DG	For Information		NS BW

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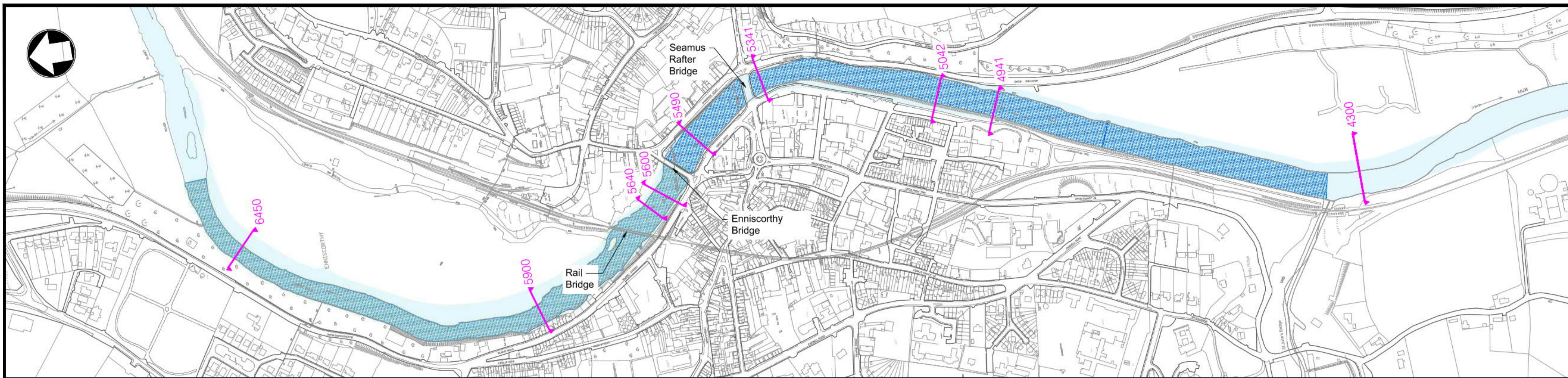
Title
River Slaney (Enniscorthy) Drainage Scheme

Flood Defences - Details
Sheet 1 of 4

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
Dwg check	BM	BM	Approved	BW	BW
Scale at A1	Suitability Code		Rev	Security	
	S2		P03	STD	

Suitable for Information

Drawing Number
355741-MMD-00-XX-DR-N-0409



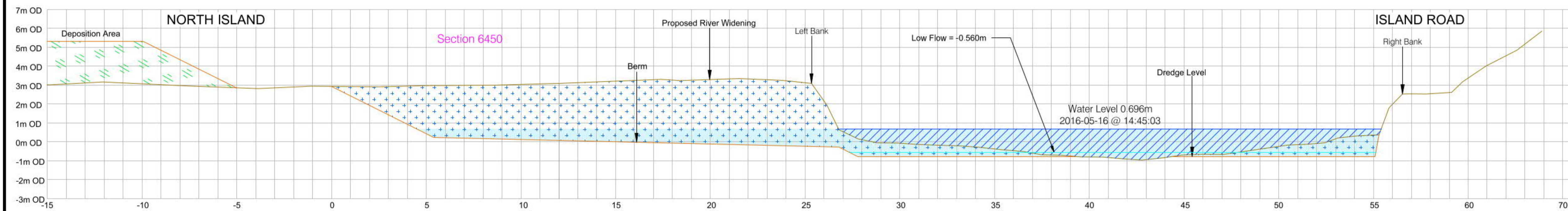
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Notes

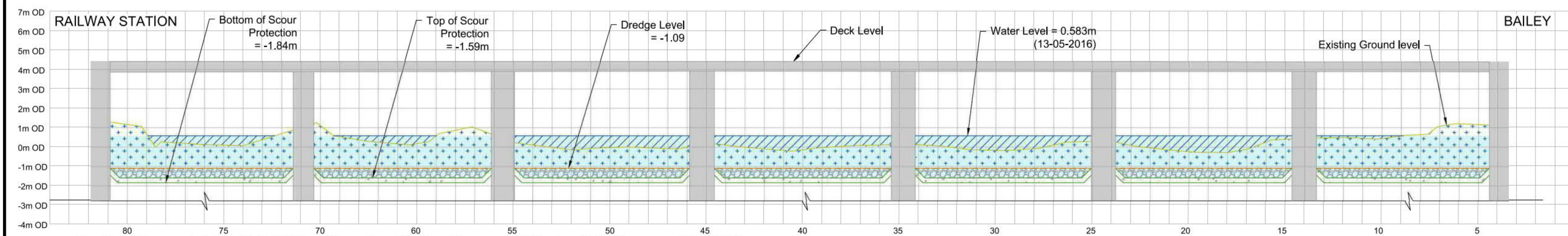
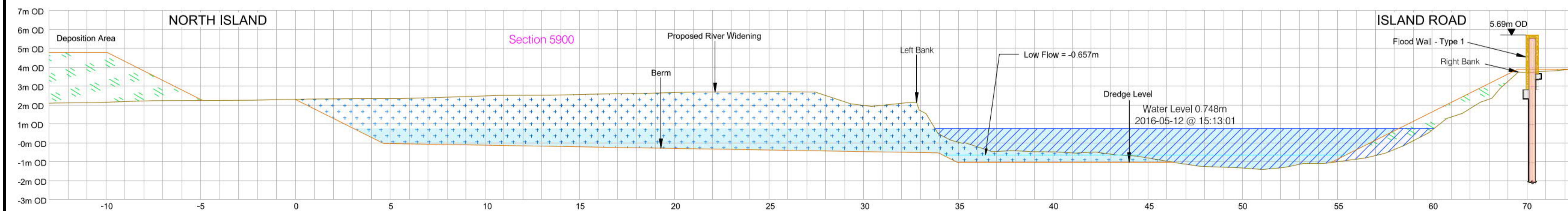
1. This drawing is to be read in conjunction with all relevant Engineers drawings and specifications.
2. Do not scale from this drawing.
3. All levels are in metres and relate to Ordnance Datum Malin Head.

Legend:

- Proposed River Widening Area (Cut)
- Proposed Infilling
- River



EXHIBITION COPY



Section Through Irish Rail Bridge Showing Bridge Proposed Works (Interference Nr. B01)

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	20/02/19	DG	Public Exhibition	BM	
P02	26/02/19	DG	Minor Amendments	BO	BW
P03	08/04/19	DG	For Information	NS	BW

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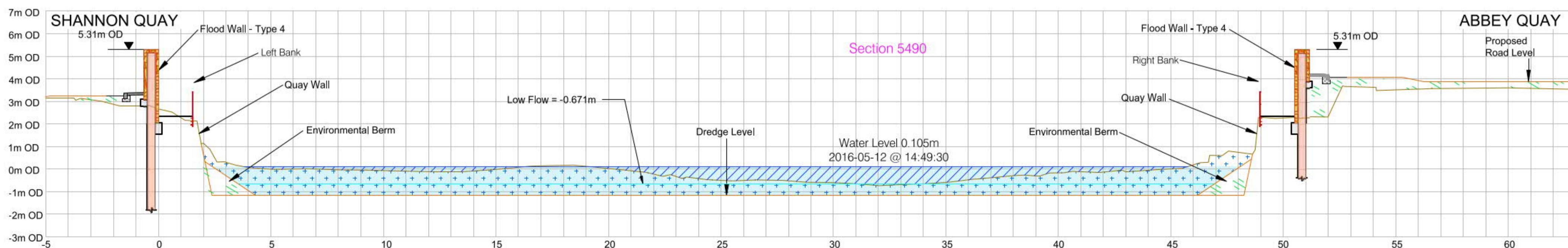
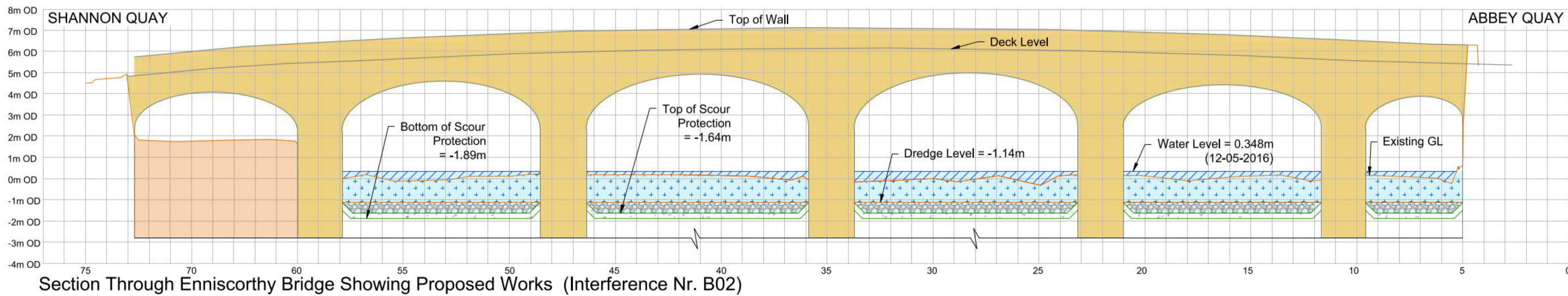
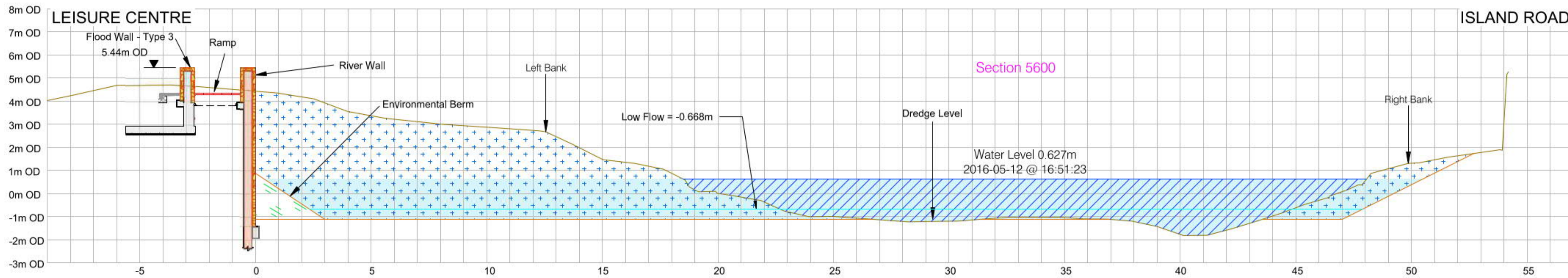
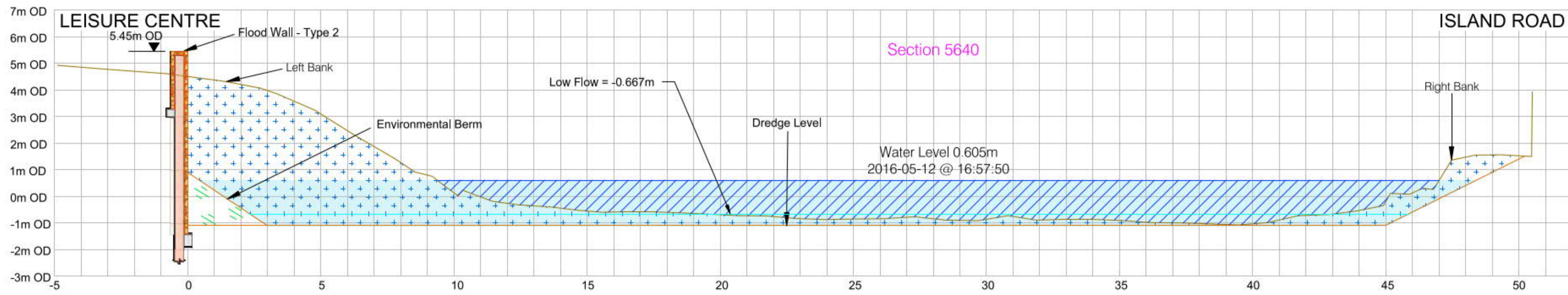
Title
River Slaney (Enniscorthy) Drainage Scheme

Flood Defences - Details
Sheet 2 of 4

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
Dwg check	BM	BM	Approved	BW	BW
Scale at A1	NTS	Suitability Code	Rev	P03	Security
		S2			STD

Suitable for Information

Drawing Number
355741-MMD-00-XX-DR-N-0410



- Notes
1. This drawing is to be read in conjunction with all relevant Engineers drawings and specifications.
 2. Do not scale from this drawing.
 3. All levels are in metres and relate to Ordnance Datum Malin Head.

- Legend:
- Proposed River Widening Area (Cut)
 - Proposed Infilling
 - River

EXHIBITION COPY

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	20/02/19	DG	Public Exhibition	BM	
P02	26/02/19	DG	Minor Amendments	BO	BW
P03	08/04/19	DG	For Information	NS	BW

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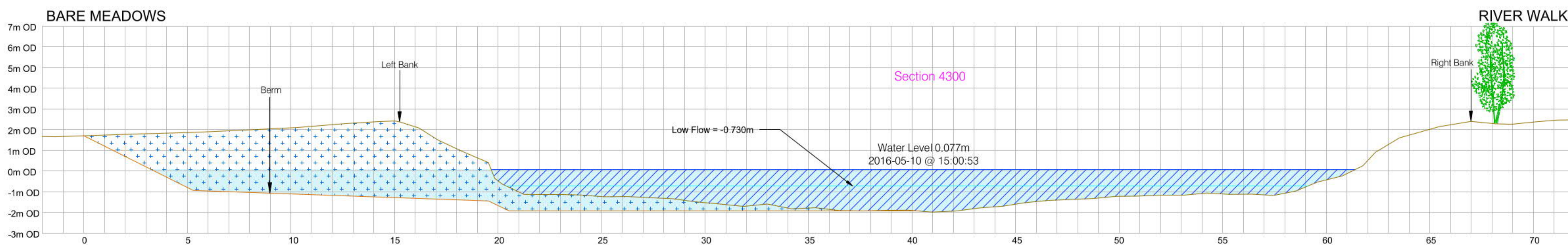
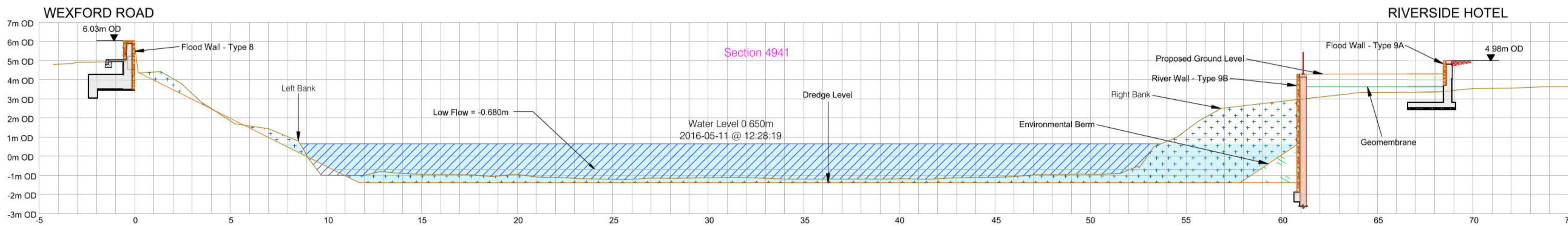
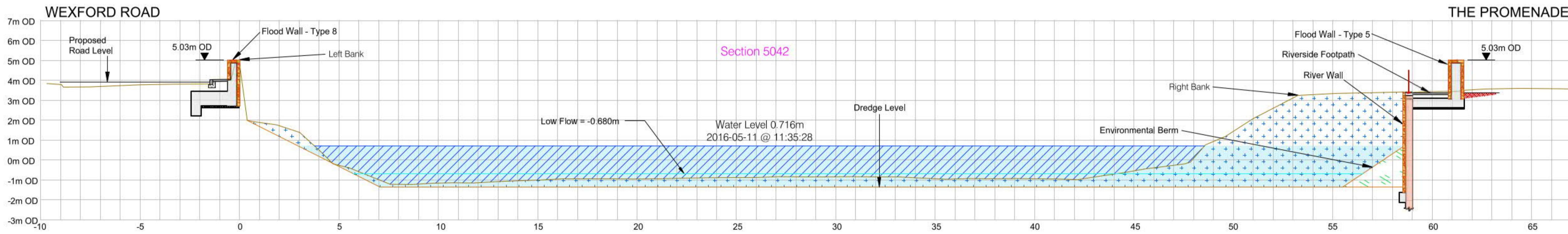
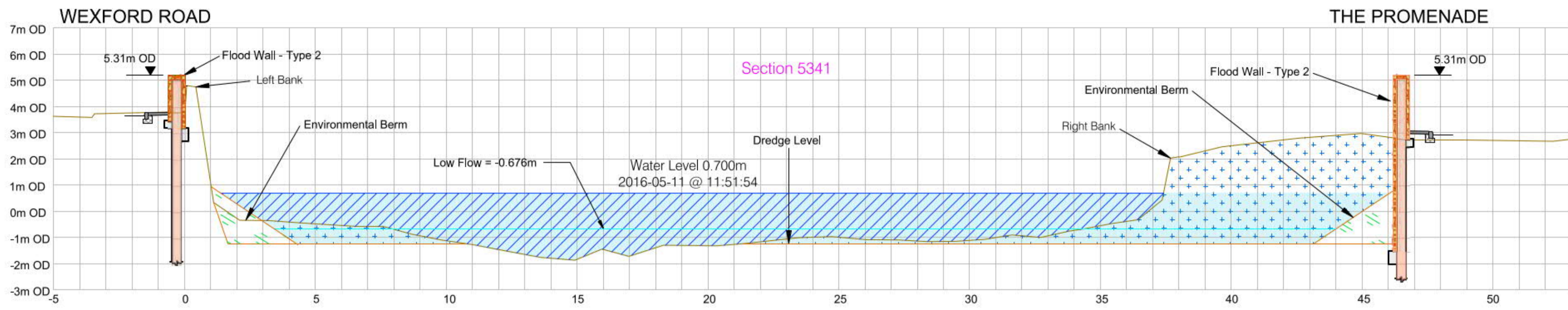
Status Stamp
NOT FOR CONSTRUCTION

Title
River Slaney (Enniscorthy) Drainage Scheme

Flood Defences - Details
Sheet 3 of 4

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
DWg check	BM	BM	Approved	BW	BW
Scale at A1	Suitability Code		Rev	Security	
As Shown	S2	P03	STD		
Suitability Description Suitable for Information					

Drawing Number
355741-MMD-00-XX-DR-N-0411



- Notes
1. This drawing is to be read in conjunction with all relevant Engineers drawings and specifications.
 2. Do not scale from this drawing.
 3. All levels are in metres and relate to Ordnance Datum Malin Head.

Legend:

- Proposed River Widening Area (Cut)
- Proposed Infilling
- River

EXHIBITION COPY

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	20/02/19	DG	Public Exhibition	BM	
P02	26/02/19	DG	Minor Amendments	BO	BW
P03	08/04/19	DG	For Information	NS	BW

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Status Stamp

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Title

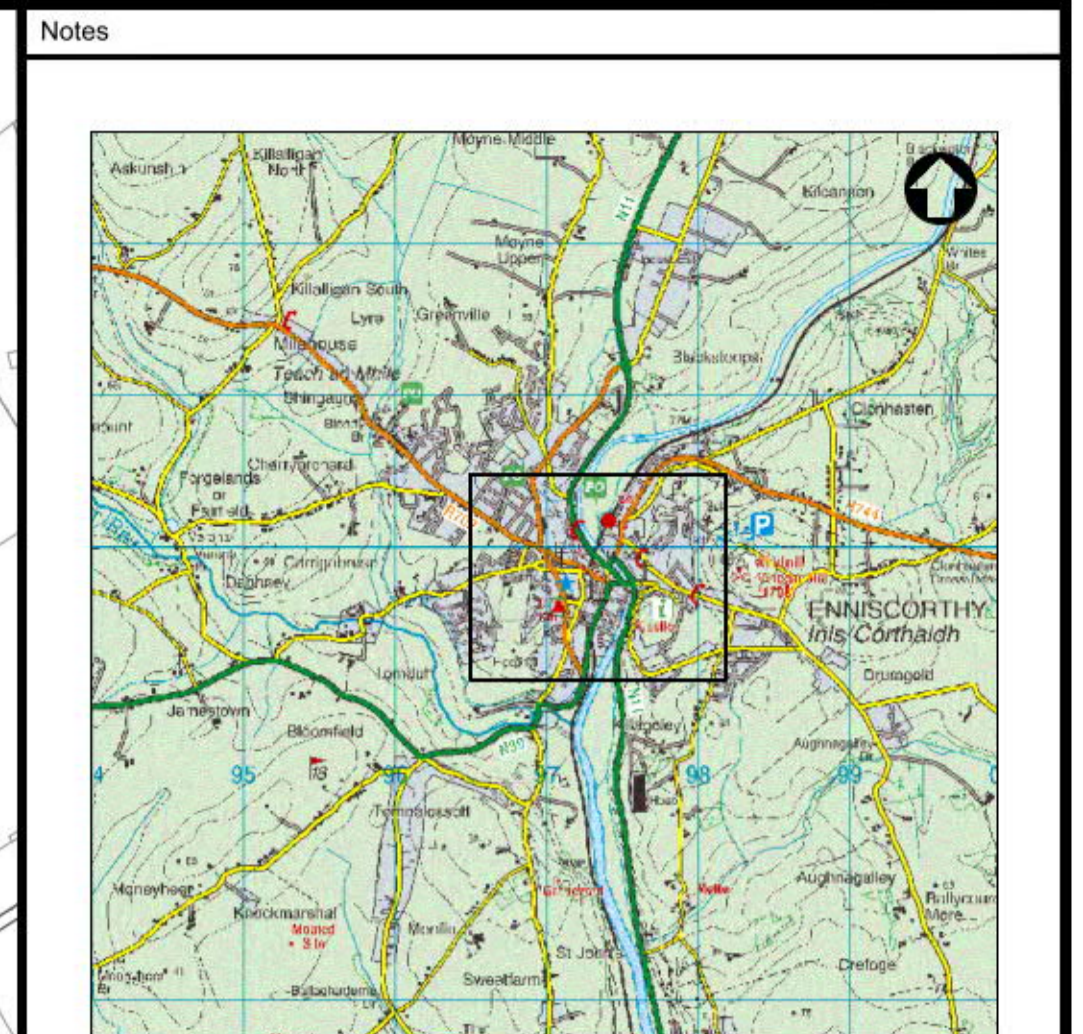
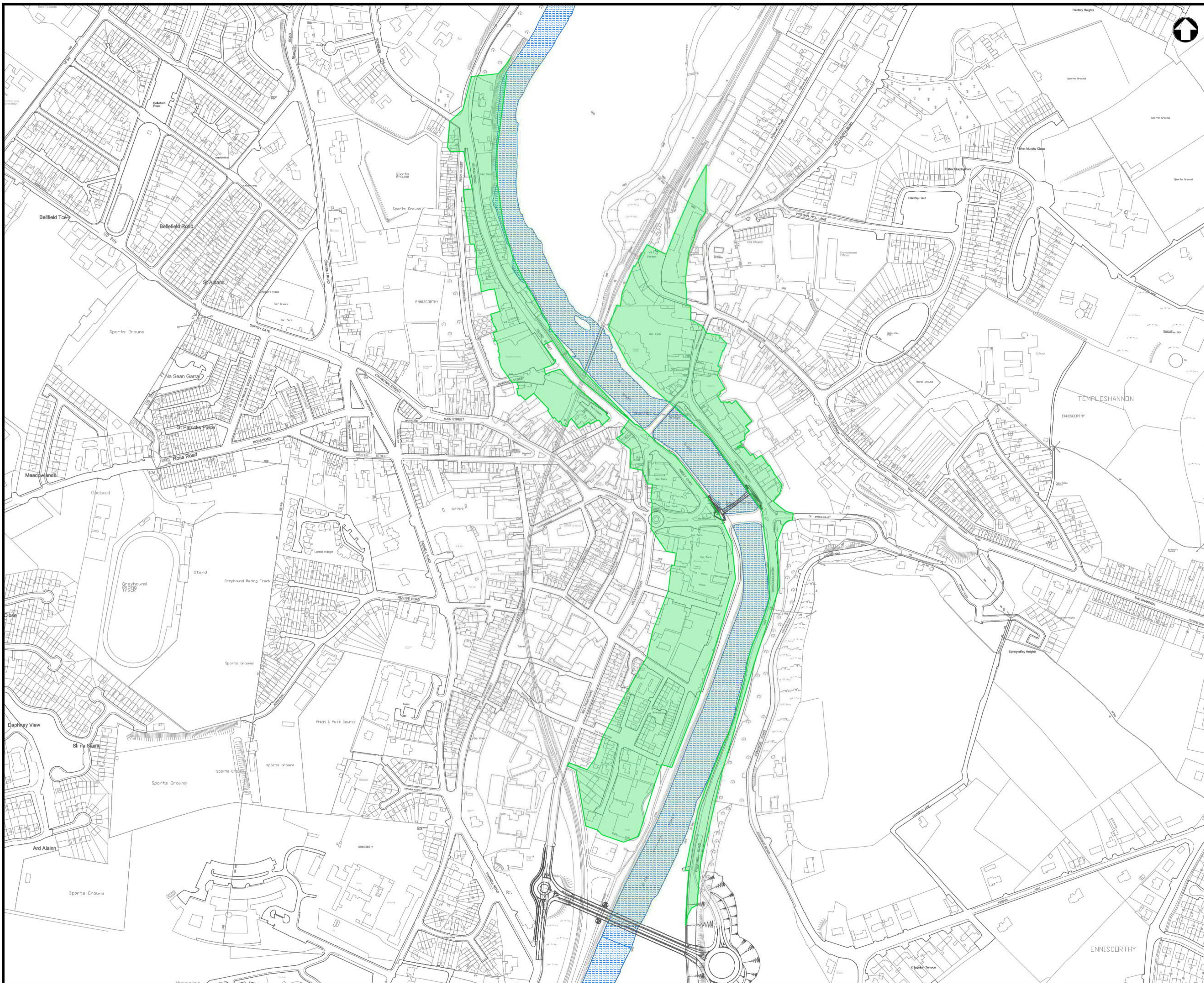
River Slaney (Enniscorthy)
Drainage Scheme

Flood Defences - Details
Sheet 4 of 4

Designed	D GALLAGHER	BO	Eng check	N SAMACHETTY	BO
Drawn	D GALLAGHER	DG	Coordination	---	NS
DWg check	B MCGREGOR	BM	Approved	---	BW
Scale at A1	Suitability Code	Rev	Security		
As Shown	S2	P03	STD		
Suitability Description					
Suitable for Information					

Drawing Number

355741-MMD-00-XX-DR-N-0412



Benefiting Lands

EXHIBITION COPY

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	20/02/19	DG	Public Exhibition		BM
P02	26/02/19	DG	Minor Amendments		BO BW
P03	08/04/19	DG	For Information		NS BW

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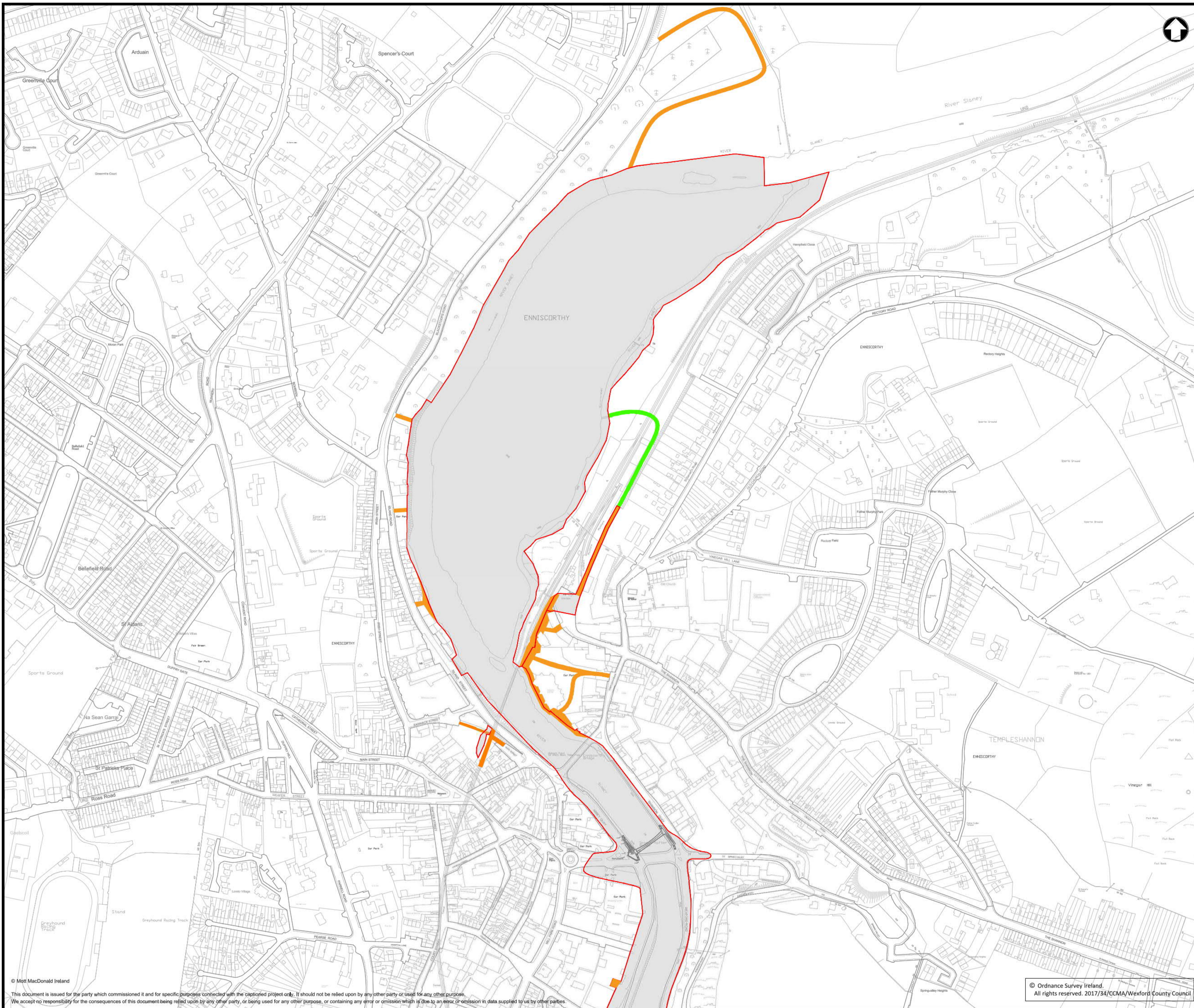
Status Stamp
NOT FOR CONSTRUCTION

Title
**River Slaney (Enniscorthy)
Drainage Scheme**

Benefit Drawing

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
Dwg check	BM	BM	Approved	BW	BW
Scale at A1	1:2500	Suitability Code	S2	Rev	P03
Suitability Description	Suitable for Information				
Security	STD				

Drawing Number
355741-MMD-00-XX-DR-N-0413



- Notes
- Maintenance Access
 - Construction and Maintenance Access
 - Boundary of the Permanent Works
 - Permanent Works

Where the permanent works are shown it is implicit that access will be required to maintain the works

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Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	21/02/19	DG	Public Exhibition	BM	
P02	26/02/19	DG	Minor Amendments	BO	BW
P03	08/04/19	DG	For Information	NS	BW

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Status Stamp
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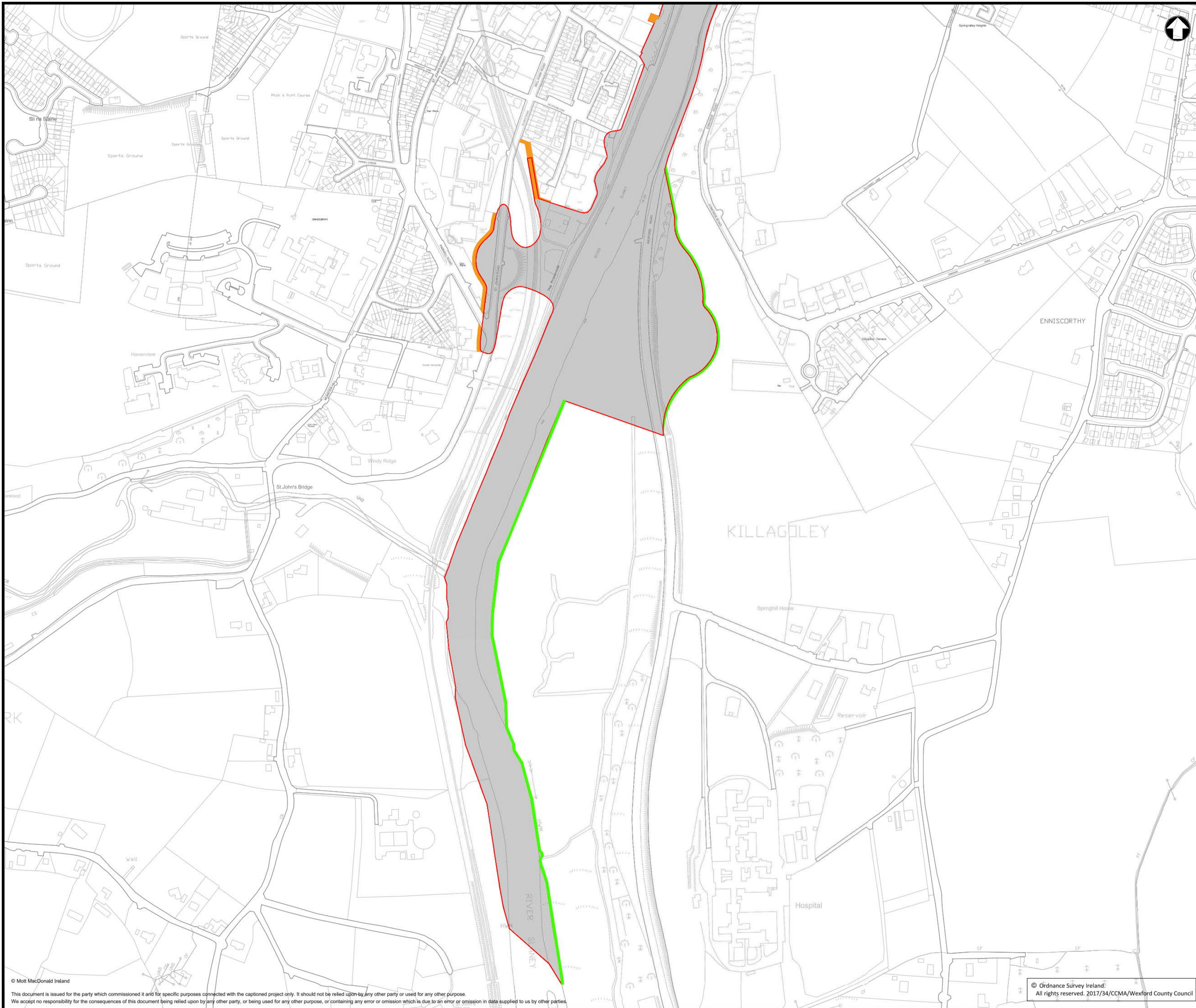
Title
River Slaney (Enniscorthy) Drainage Scheme

Site Access
Sheet 1 of 2

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
Dwg check	BM	BM	Approved	BW	BW
Scale at A1	1:2500	Suitability Code	S2	Rev	P03
				Security	STD

Suitable for Information

Drawing Number
355741-MMD-00-XX-DR-N-0420



Notes

- Maintenance Access
- Construction and Maintenance Access
- Boundary of the Permanent Works
- Permanent Works

Where the permanent works are shown it is implicit that access will be required to maintain the works

EXHIBITION COPY

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P01	21/02/19	DG	Public Exhibition	BM	
P02	26/02/19	DG	Minor Amendments	BO	BW
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Title
River Slaney (Enniscorthy) Drainage Scheme

Site Access
Sheet 2 of 2

Designed	BO	BO	Eng check	BO	BO
Drawn	DG	DG	Coordination	NS	NS
Dwg check	BM	BM	Approved	BW	BW

Scale at A1	Suitability Code	Rev	Security
1:2500	S2	P03	STD

Suitability Description
Suitable for Information

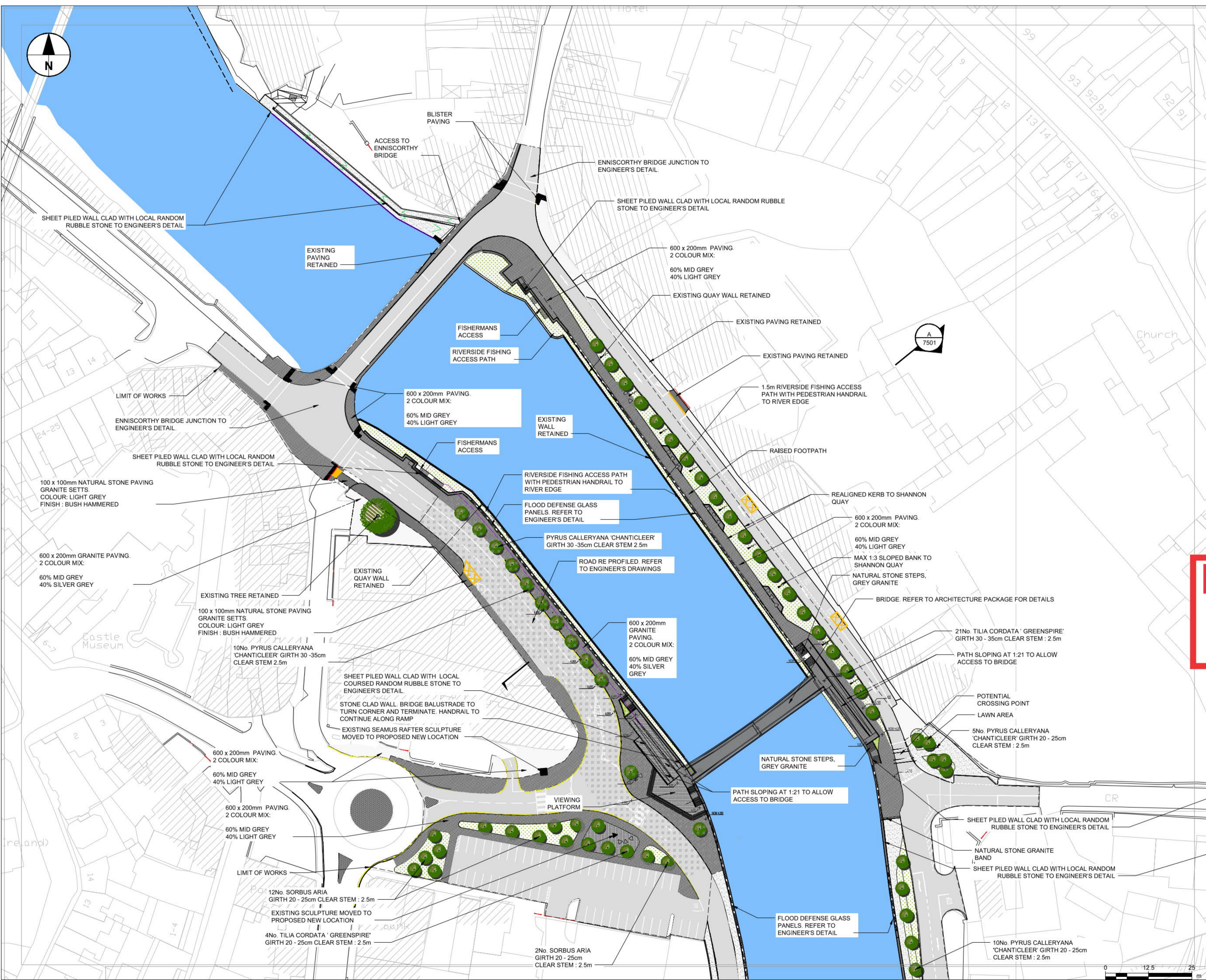
Drawing Number
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ISO A1 594mm x 841mm
 Approved: EF
 Checked: EOG
 Designer: KC
 Project Management Initials:
 Last saved by:
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 CULLETONK Last Plotted: 2019-03-28



PROJECT
RIVER SLANEY
(ENNISCORTHY)
DRAINAGE SCHEME
CLIENT
WEXFORD COUNTY
COUNCIL

CONSULTANT
 AECOM Ireland Limited
 4th Floor Adelphi Plaza
 St Georges Street, Dun Laoghaire
 01 238 3100 tel
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ISSUE/REVISION		
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E	2019-03-15	ISSUED FOR CONSULTATION
D	2019-02-22	ISSUED FOR CONSULTATION
C	2018-11-15	ISSUED FOR CONSULTATION
B	2018-05-29	ISSUED FOR CONSULTATION
A	2018-05-18	ISSUED FOR CONSULTATION

KEY PLAN

PROJECT NUMBER
 60516655
SHEET TITLE
 ENNISCORTHY FLOOD DEFENCE
 GENERAL ARRANGEMENT
SHEET NUMBER
 60516655_SHT-20-0000-L-0010

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PROJECT
RIVER SLANEY (ENNISCORTHY) DRAINAGE SCHEME
CLIENT
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C	2018-11-15	ISSUED FOR CONSULTATION
B	2018-05-29	ISSUED FOR CONSULTATION
A	2018-05-18	ISSUED FOR CONSULTATION

KEY PLAN

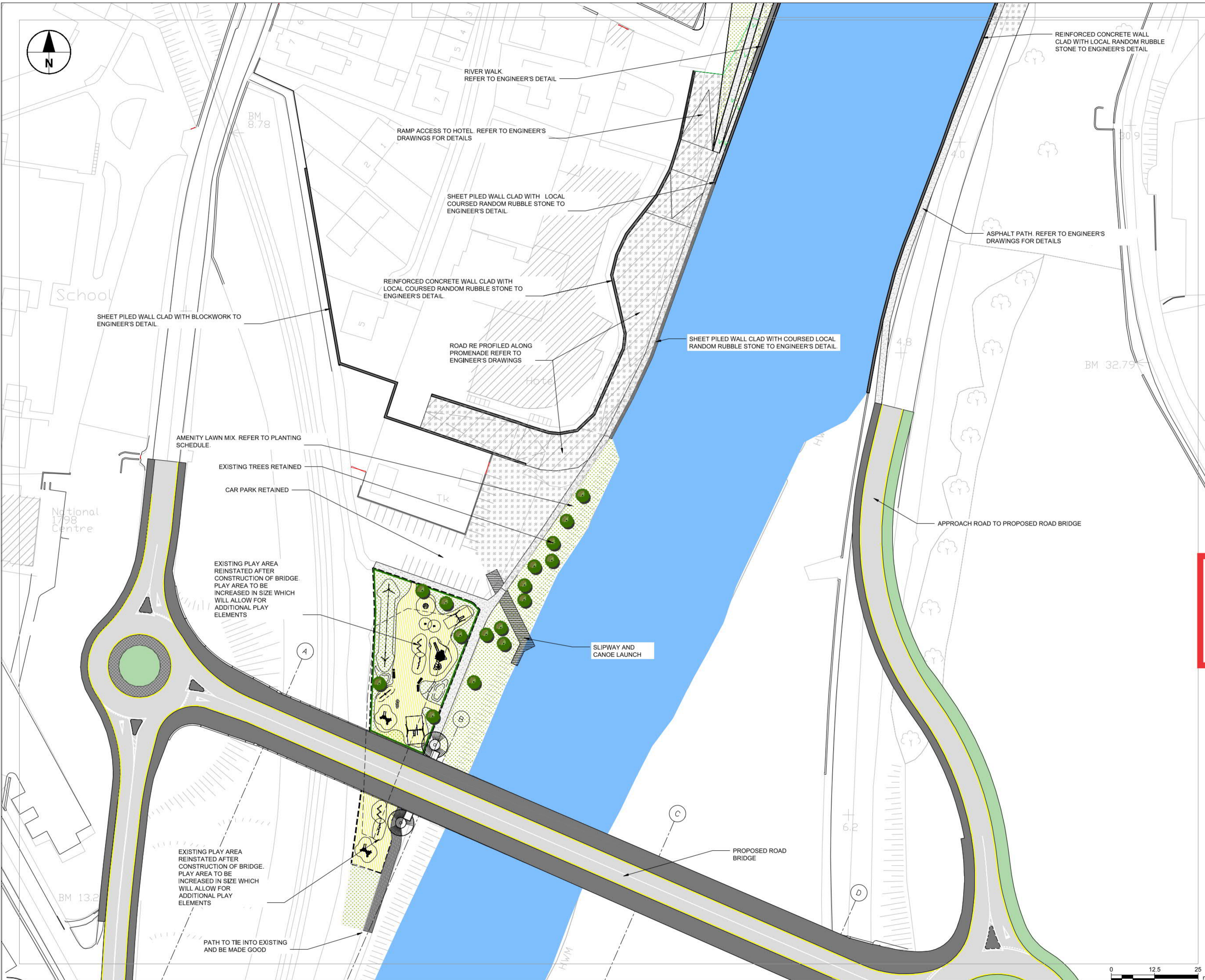
PROJECT NUMBER
 60516655

SHEET TITLE
 ENNISCORTHY FLOOD DEFENCE GENERAL ARRANGEMENT

SHEET NUMBER
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PROJECT
RIVER SLANEY
(ENNISCORTHY)
DRAINAGE SCHEME
CLIENT
WEXFORD COUNTY
COUNCIL

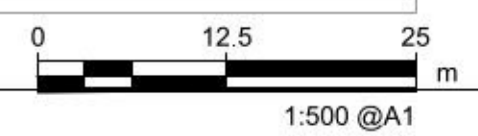
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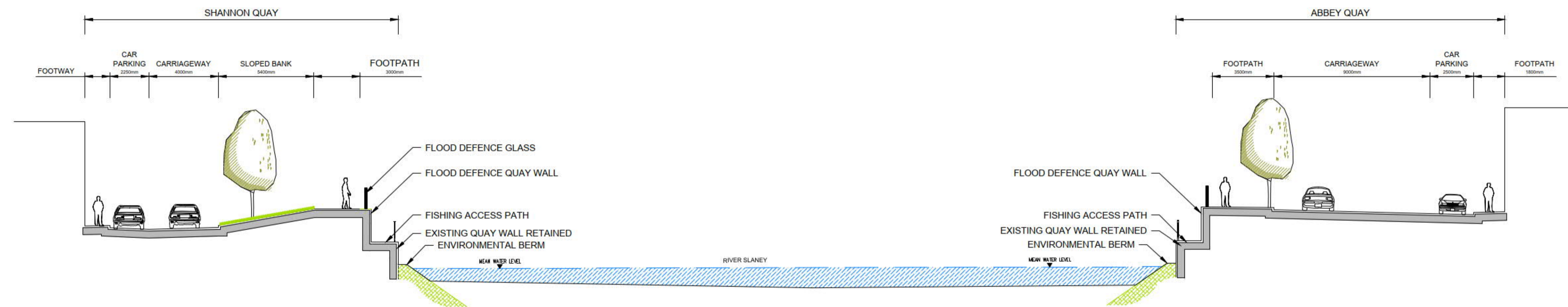
ISSUE/REVISION		
I/R	DATE	DESCRIPTION
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D	2019-02-22	ISSUED FOR CONSULTATION
C	2018-11-15	ISSUED FOR CONSULTATION
B	2018-05-29	ISSUED FOR CONSULTATION
A	2018-05-18	ISSUED FOR CONSULTATION

KEY PLAN

PROJECT NUMBER
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SHEET TITLE
 ENNISCORTHY FLOOD DEFENCE
 GENERAL ARRANGEMENT
SHEET NUMBER
 60516655_SHT-20-0000-L-0012



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A SECTION THROUGH QUAYS
7501 Scale 1:150@A1

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ISSUE/REVISION

I/R	DATE	DESCRIPTION
G	2019-03-15	ISSUED FOR CONSULTATION
F	2019-02-22	ISSUED FOR CONSULTATION
E	2018-11-15	ISSUED FOR CONSULTATION
D	2018-05-29	ISSUED FOR CONSULTATION
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A	2017-05-19	ISSUED FOR INFORMATION

KEY PLAN

PROJECT NUMBER

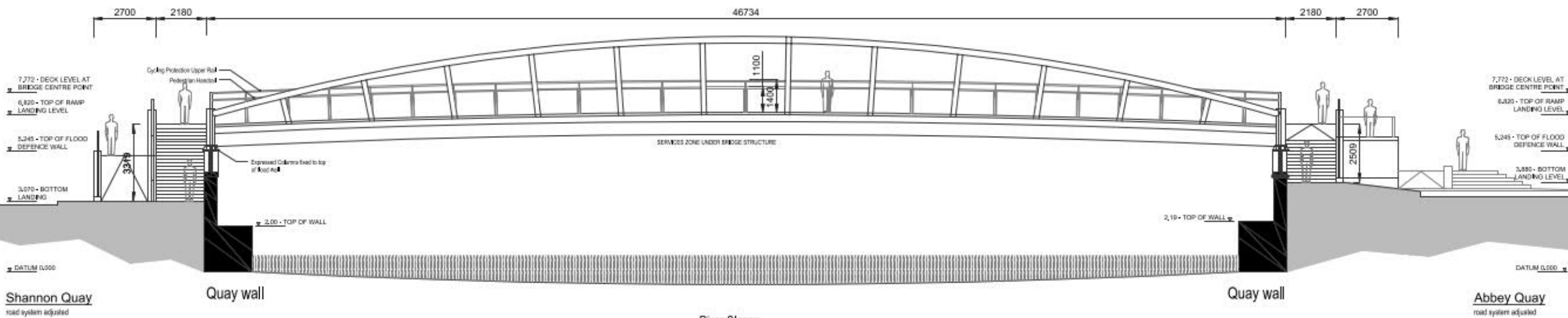
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SHEET TITLE

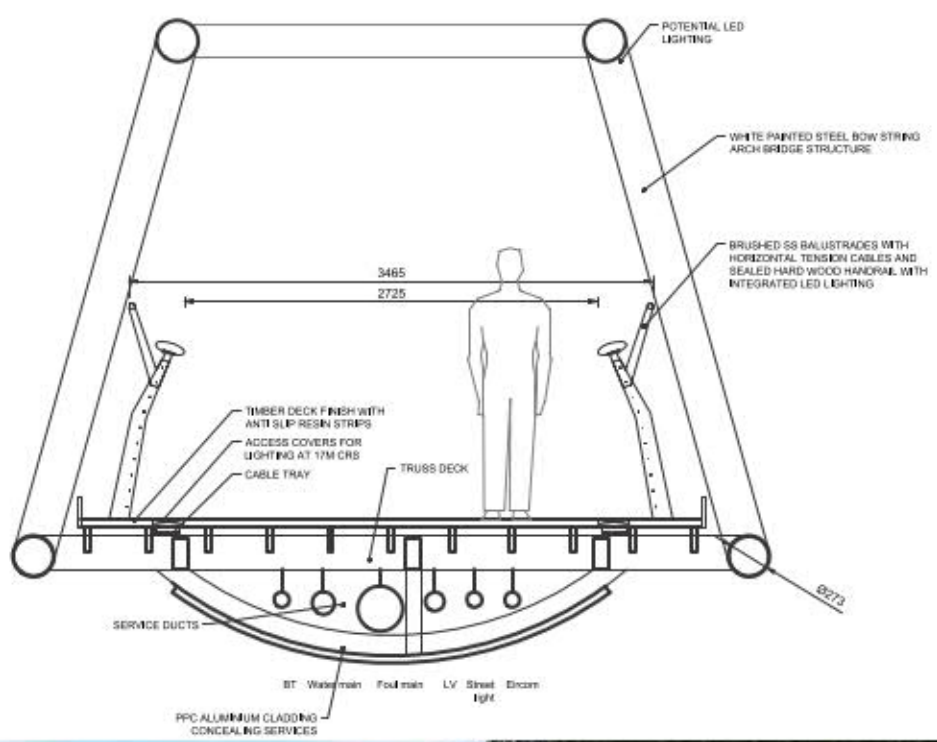
ENNISCORTHY FLOOD DEFENCE SECTIONS

SHEET NUMBER

60516655_EFD_AEC_LE_7501



Elevation of new Pedestrian Bridge at Chainage 5465
Scale 1:200 @A3



Plan View



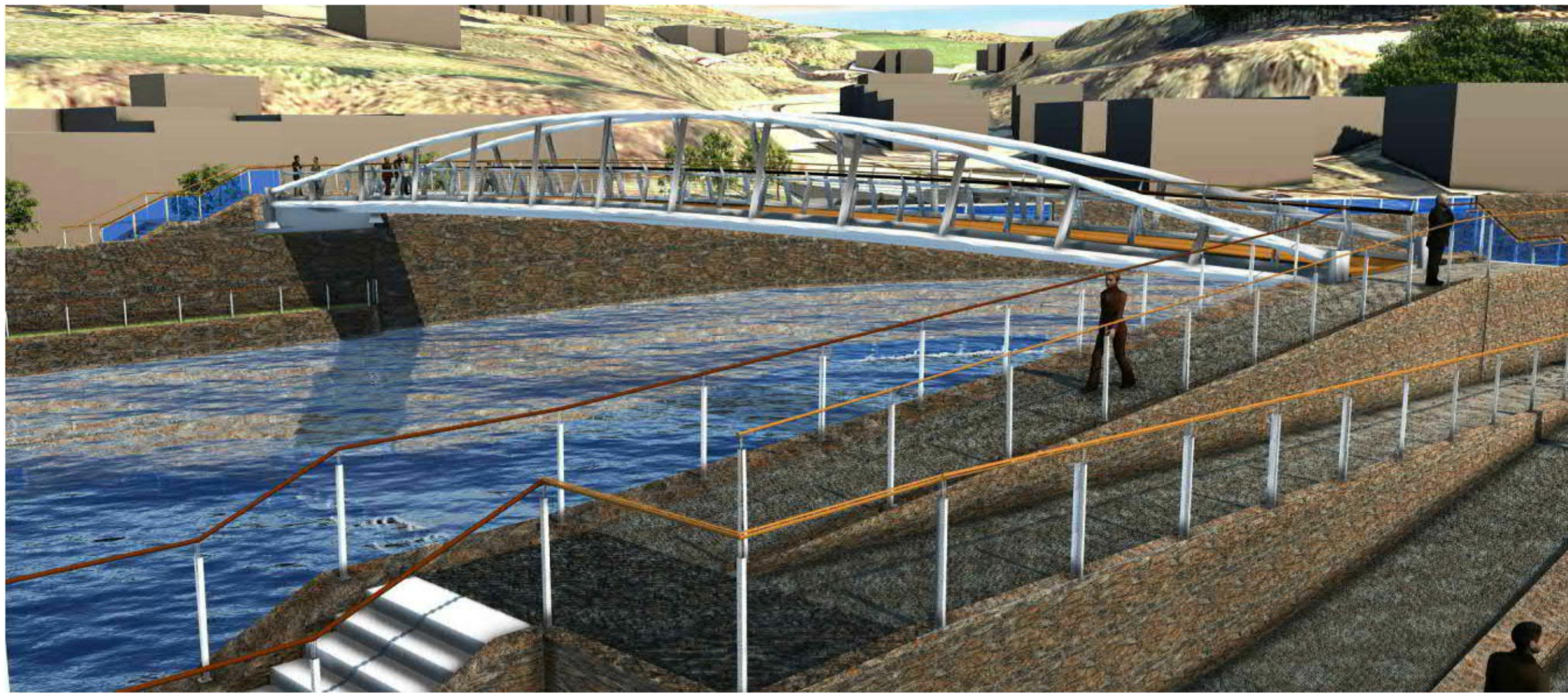
01 | Side Elevation (Looking Downstream)

CONSTRUCTION RISKS	MAINTENANCE / CLEANING RISKS	DEMOLITION RISKS
In addition to the hazards risks items associated with the types of work outlined on this drawing take note of above. It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.		
SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION ONLY		

NOTES

Exhibition
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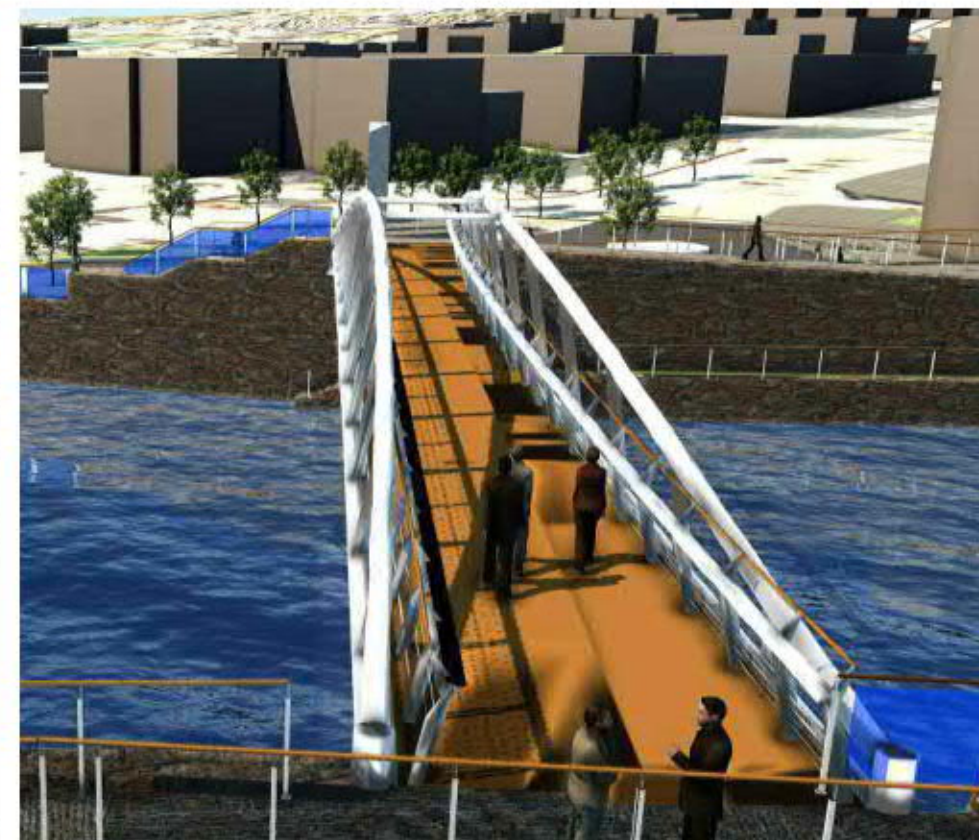
Revision Details	By	Check	Date	Scale
Purpose of Issue				
Preliminary				
Client				
Wexford County Council				
Project Title				
RIVER SLANEY (ENNISCORTHY) DRAINAGE SCHEME				
Drawing Title				
Pedestrian Footbridge Proposed Section & Elevation				
Designed	Drawn	Checked	Approved	Date
EC	EC	JN	AC	27.06.17
AECOM Ireland Project No. Project No 80516655				
Scale as noted				
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Drawing Number				Rev
ENN-ACM-ZZ-ZZ-DR-AR-10108				



02 | View from Bridge Point Building



03 | View from Spring Valley



04 | View from Shannon Quay

CONSTRUCTION RISKS	MAINTENANCE / CLEANING RISKS	DEMOLITION RISKS
--------------------	------------------------------	------------------

In addition to the hazards risks named, associated with the types of work detailed on the drawing take note of above. It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

NOTES

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Revision Details	By	Check	Date	Scale
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Purpose of Issue
Preliminary

Client
Wexford County Council

Project Title
**RIVER SLANEY
(ENNISCORTHY)
DRAINAGE SCHEME**

Drawing Title
**Pedestrian Footbridge
Proposed Visualisations**

Designed	Drawn	Checked	Approved	Date
EC	EC	JN	AC	27.06.17

AECOM Internal Project No.
Project No. 80516655

Scale
Scale as noted

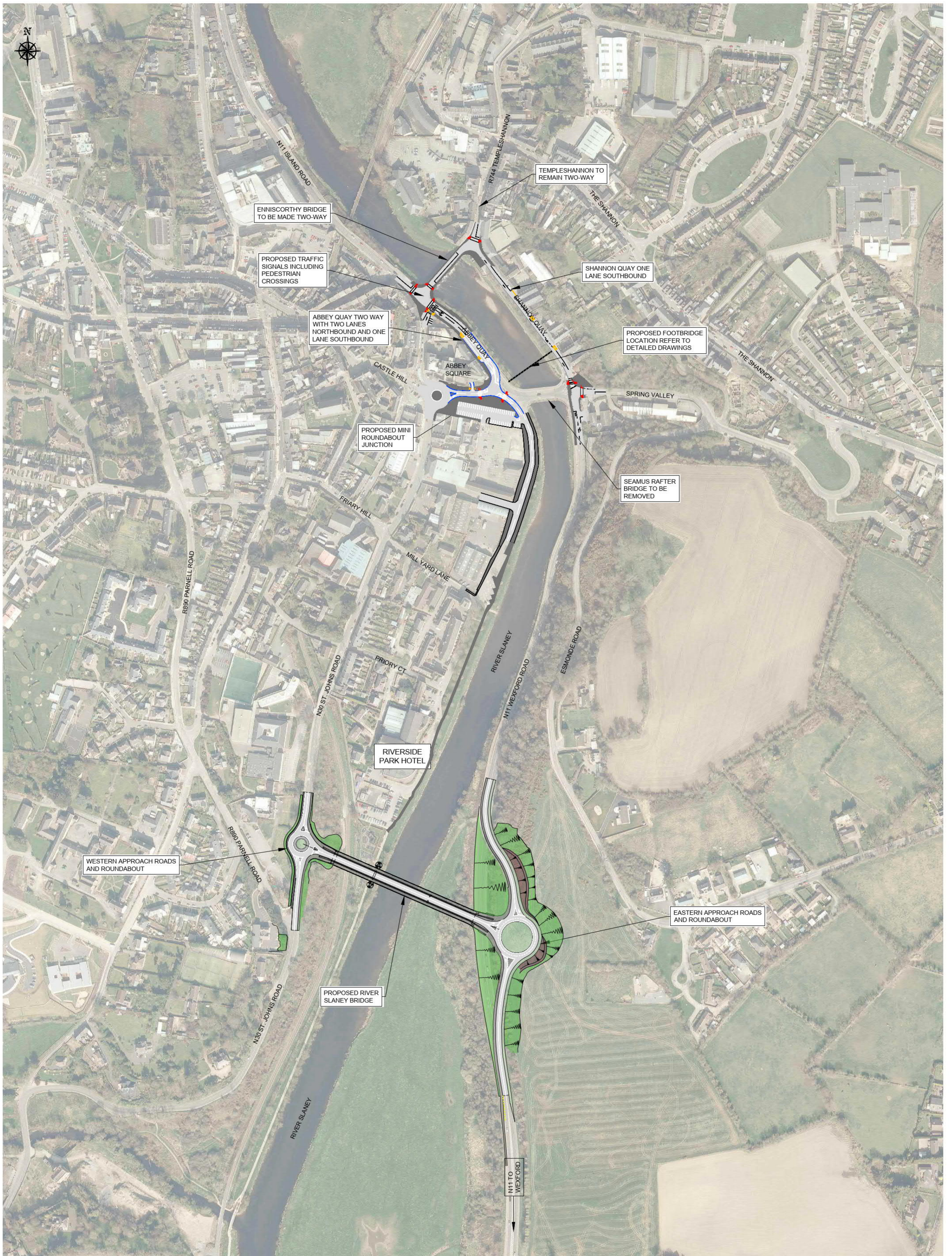
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Drawing Number
ENN-ACM-ZZ-ZZ-DR-AR-10109

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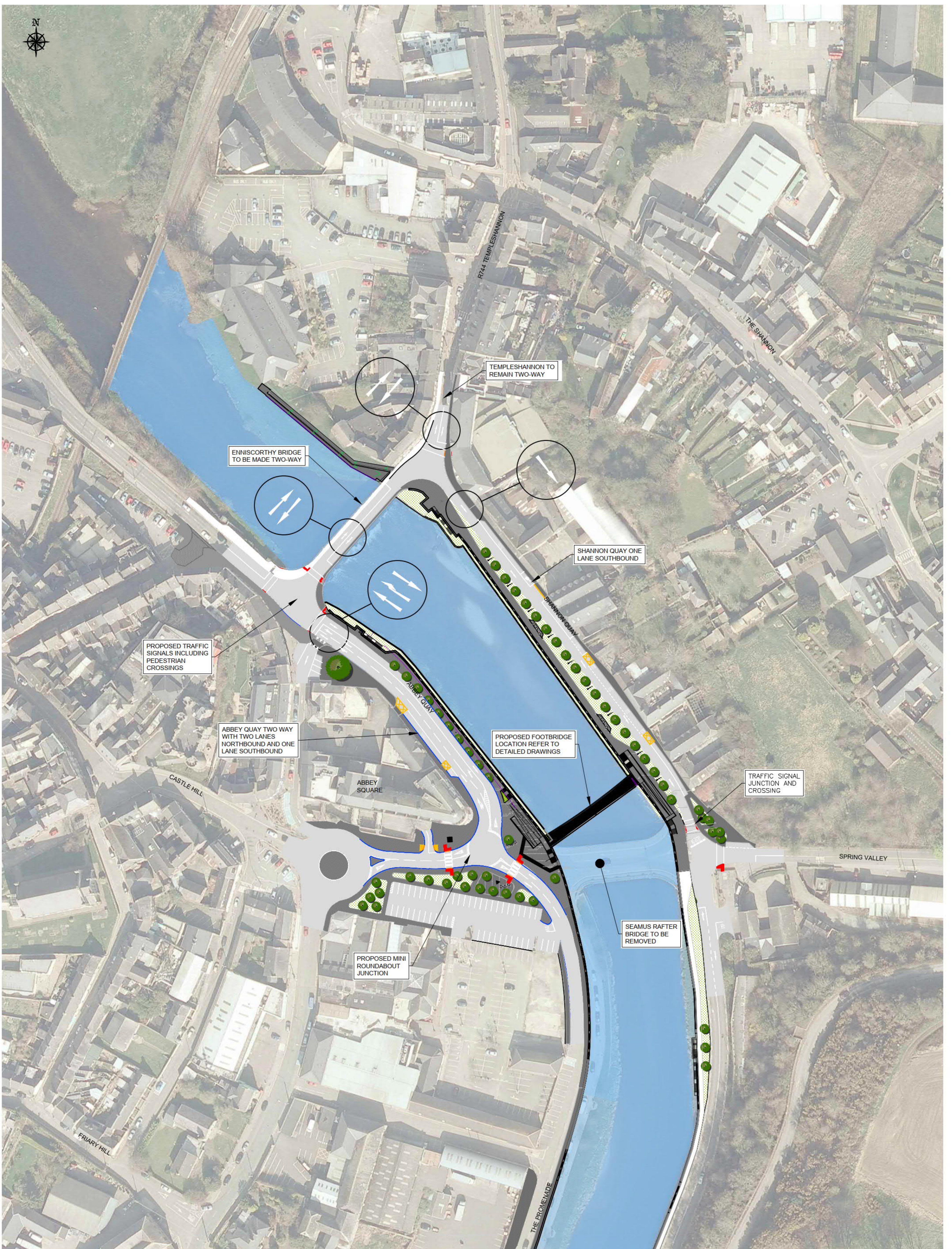
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P01	Issued For Information	25/04/2018	EP	JB	RMJ
P02	Issued For Information	30/04/2019	EP	JB	RMJ



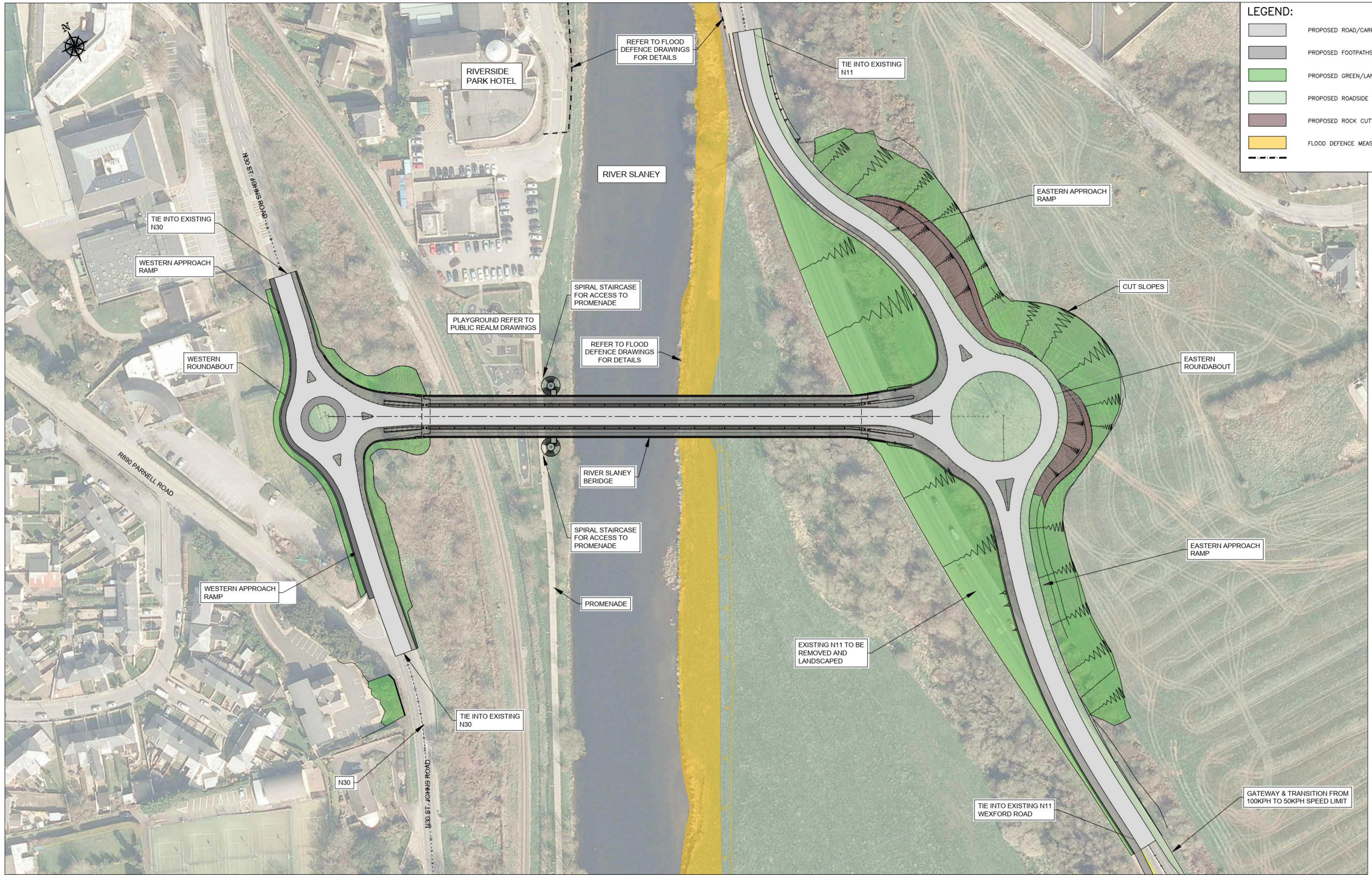
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Drawn	Designed	Checked	Approved	Suitability Code - Description
EP	JB	RMJ	RMJ	S2 - Information/Planning

Project Stage	Traffic Management Design Development						
Project Title	Enniscorthy Flood Defence Scheme						
Drawing Title	Scheme Wide Road And Traffic Layout						
Drawing Number	Project	Originator	Volume	Location	Type	Role	Number
Scale (A1)	EFDS	ROD	SBR	SW_AE	SK	CB	50018
	1:2000	Date:	April 2019	Job No:	15.214	Rev:	P02



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		Consulting Engineers Civil - Structural - Transportation - Environmental	Drawn: EP Designed: JB Checked: RMJ Approved: RMJ	Suitability Code - Description S2 - Information/Planning	Project Stage: Traffic Management Design Development	Project Title: River Slaney (Enniscorthy) Drainage Scheme	Drawing Title: Town Centre Road And Traffic Layout																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>Date</th> <th>By</th> <th>Chk'd</th> <th>App'd</th> </tr> </thead> <tbody> <tr> <td>P01</td> <td>Issued For Information</td> <td>06/03/2019</td> <td>DS</td> <td>JB</td> <td>RMJ</td> </tr> <tr> <td>P02</td> <td>Issued For Information</td> <td>30/04/2019</td> <td>DS</td> <td>JB</td> <td>RMJ</td> </tr> </tbody> </table>		No.	Revision	Date	By	Chk'd	App'd	P01	Issued For Information	06/03/2019	DS	JB	RMJ	P02	Issued For Information	30/04/2019	DS	JB	RMJ	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Project</th> <th>Originator</th> <th>Volume</th> <th>Location</th> <th>Type</th> <th>Role</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>EFDS</td> <td>ROD</td> <td>SBR</td> <td>SW_AE</td> <td>SK</td> <td>CB</td> <td>50019</td> </tr> </tbody> </table>	Project	Originator	Volume	Location	Type	Role	Number	EFDS	ROD	SBR	SW_AE	SK	CB	50019	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Scale (A1)</th> <th>Date</th> <th>Job No.</th> <th>Rev.</th> </tr> </thead> <tbody> <tr> <td>1:750</td> <td>April 2019</td> <td>15.214</td> <td>P02</td> </tr> </tbody> </table>	Scale (A1)	Date	Job No.	Rev.	1:750	April 2019	15.214	P02
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P01	Issued For Information	06/03/2019	DS	JB	RMJ																																						
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Scale (A1)	Date	Job No.	Rev.																																								
1:750	April 2019	15.214	P02																																								



LEGEND:

[Grey line]	PROPOSED ROAD/CARRIAGEWAY
[Light grey line]	PROPOSED FOOTPATHS
[Green area]	PROPOSED GREEN/LANDSCAPED AREAS
[Light green area]	PROPOSED ROADSIDE VERGE
[Brown area]	PROPOSED ROCK CUTTING
[Yellow area]	FLOOD DEFENCE MEASURES
[Dashed line]	



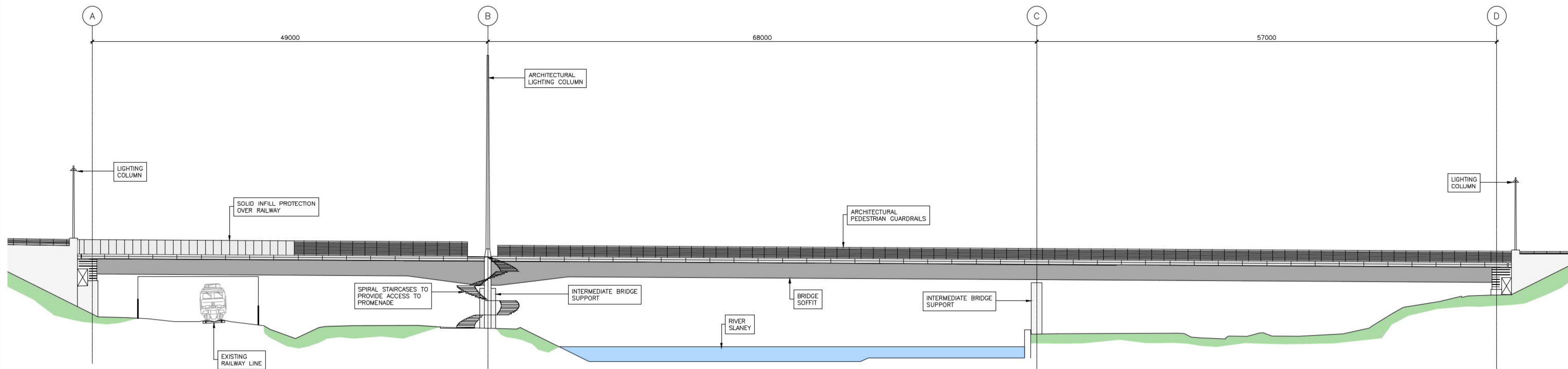
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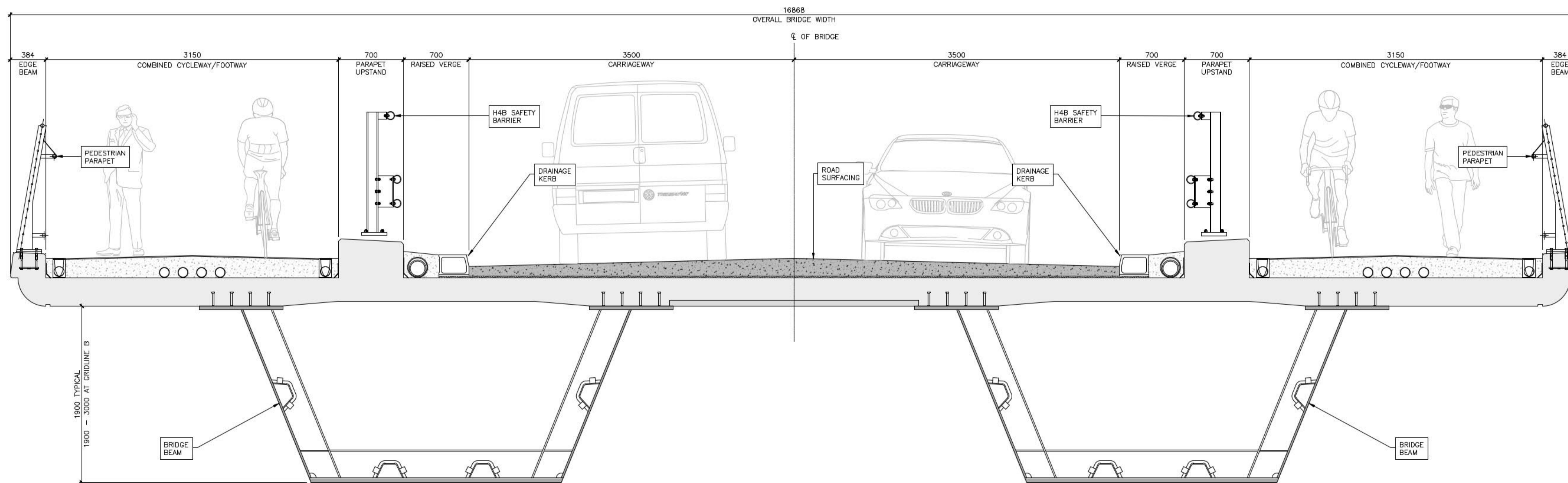
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Drawn	Designed	Checked	Approved	Suitability Code - Description
EP	PM	AOC	RMJ	S2 - Information/Planning

Project Stage	Public Exhibition				
Project Title	River Slaney (Enniscorthy) Drainage Scheme				
Drawing Title	River Slaney Bridge and Approach Roads Location Plan				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
EFDS	ROD	SBR	RSB	SK	CB - 50020
Scale (A1)	1:750	Date:	April 2018	Job No:	15.214
				Rev:	P01



RIVER SLANEY BRIDGE ELEVATION FROM THE SOUTH



RIVER SLANEY BRIDGE TYPICAL DECK SECTION



No.	Revision	Date	By	Chk'd	App'd
P01	Issued For Information	06/03/2019	DS	AOC	RMJ

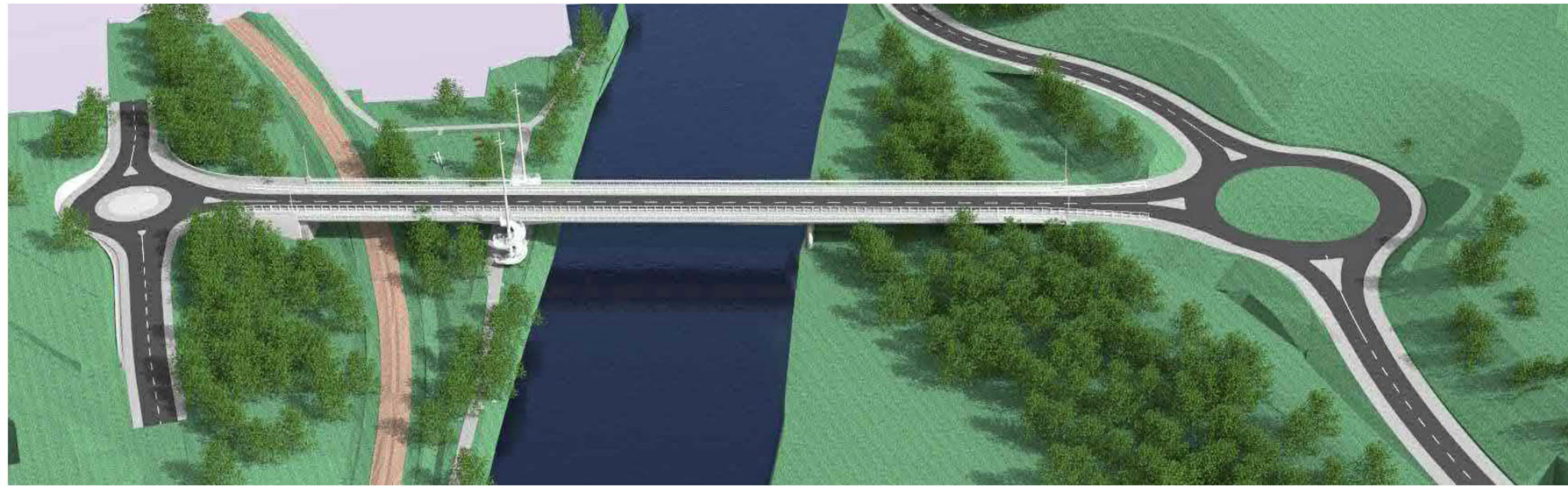


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Drawn	Designed	Checked	Approved	Suitability Code - Description
EP	PM	AOC	RMJ	S2 - Information/Planning

Project Stage	Public Exhibition				
Project Title	River Slaney (Enniscorthy) Drainage Scheme				
Drawing Title	River Slaney Bridge Elevation and Sections				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
EFDS	ROD	SBR	RSB	SK - CB	50021
Scale (A1)	1:750	Date:	April 2018	Job No:	15.214
				Rev:	P01



RIVER SLANEY BRIDGE AERIAL VIEW FROM THE SOUTH



RIVER SLANEY BRIDGE AERIAL VIEW LOOKING WEST



RIVER SLANEY BRIDGE NORTHERN ELEVATION



RIVER SLANEY BRIDGE SOUTHERN ELEVATION



No.	Revision	Date	By	Chkd	App'd
				AOC	RMJ
P01	Issued For Information	06/03/2019	DS	AOC	RMJ

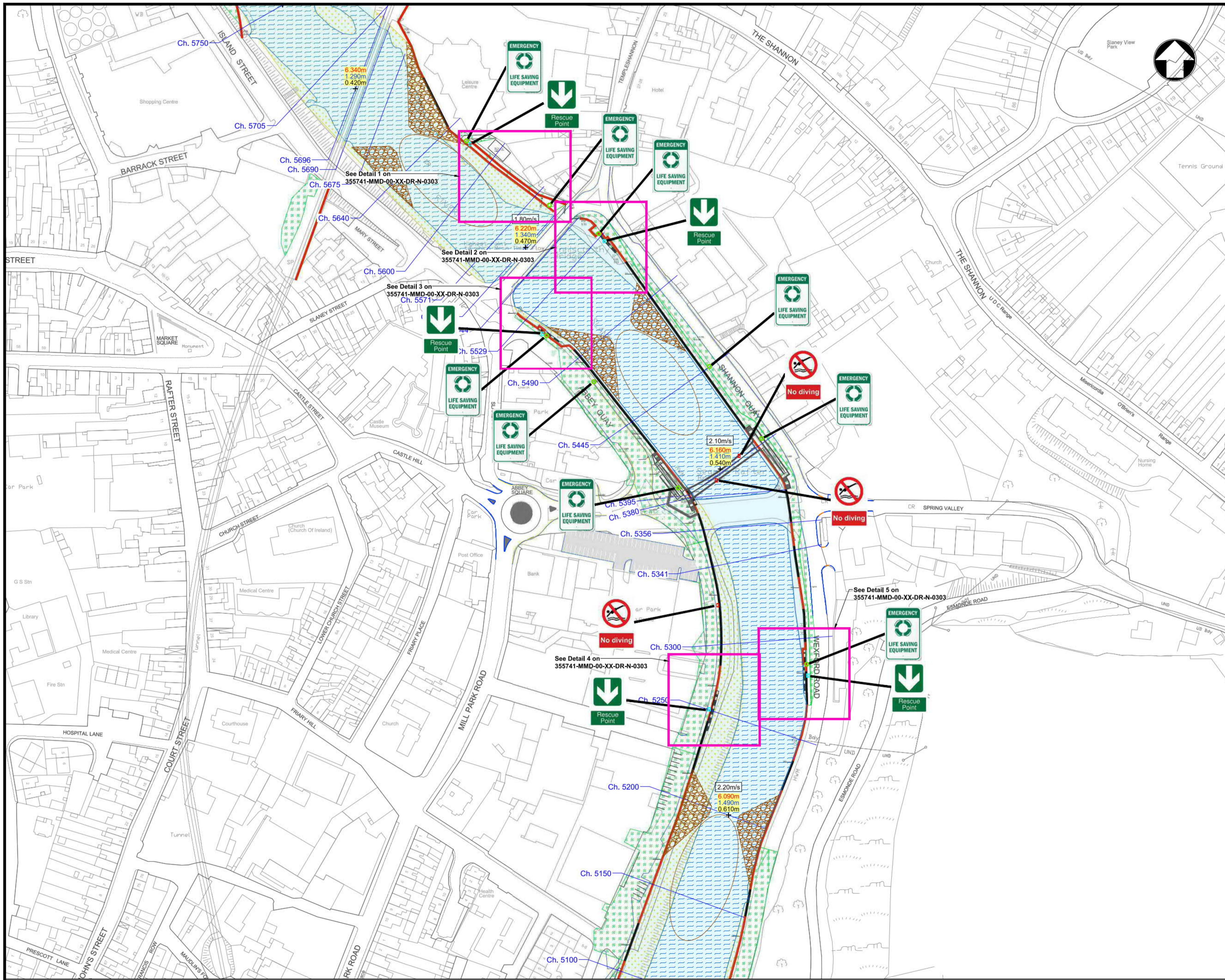


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Drawn	Designed	Checked	Approved	Suitability Code - Description
EP	PM	AOC	RMJ	S2 - Information/Planning

Project Stage	Public Exhibition				
Project Title	River Slaney (Enniscorthy) Drainage Scheme				
Drawing Title	Rendered Images				
Drawing Number	Project	Originator	Volume	Location	Type Role Number
EFDS	- ROD	- SBR	- RSB	- SK - CB	- 50022
Scale (A1)	NTS	Date:	April 2018	Job No:	15.214
				Rev:	P01



Notes

LOCATION PLAN
SCALE 1:25,000

- Proposed Flood Wall
- Proposed Glass Flood Wall
- Proposed River Widening Area (Cut)
- Proposed Infilling
- River Dredging
- Life Ring
- Permanent Sign
- Temporary Sign

Flood Velocity
 Flood Depth
 Normal Depth
 Low Flow Depth

0 10 20 30 40 50 m
SCALE 1:1000

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	18/09/18	DG	Initial Issue		M
P02	18/09/18	DG	Preliminary Issue		BM
P03	19/09/18	DG	Issued for Comment		BM BW
P04	25/09/18	DG	Issued for Comment		BM BW
P05	15/05/19	DG	Issued for Information		NS BW

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Wexford
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Status Stamp

Title

Enniscorthy Flood Defence Scheme

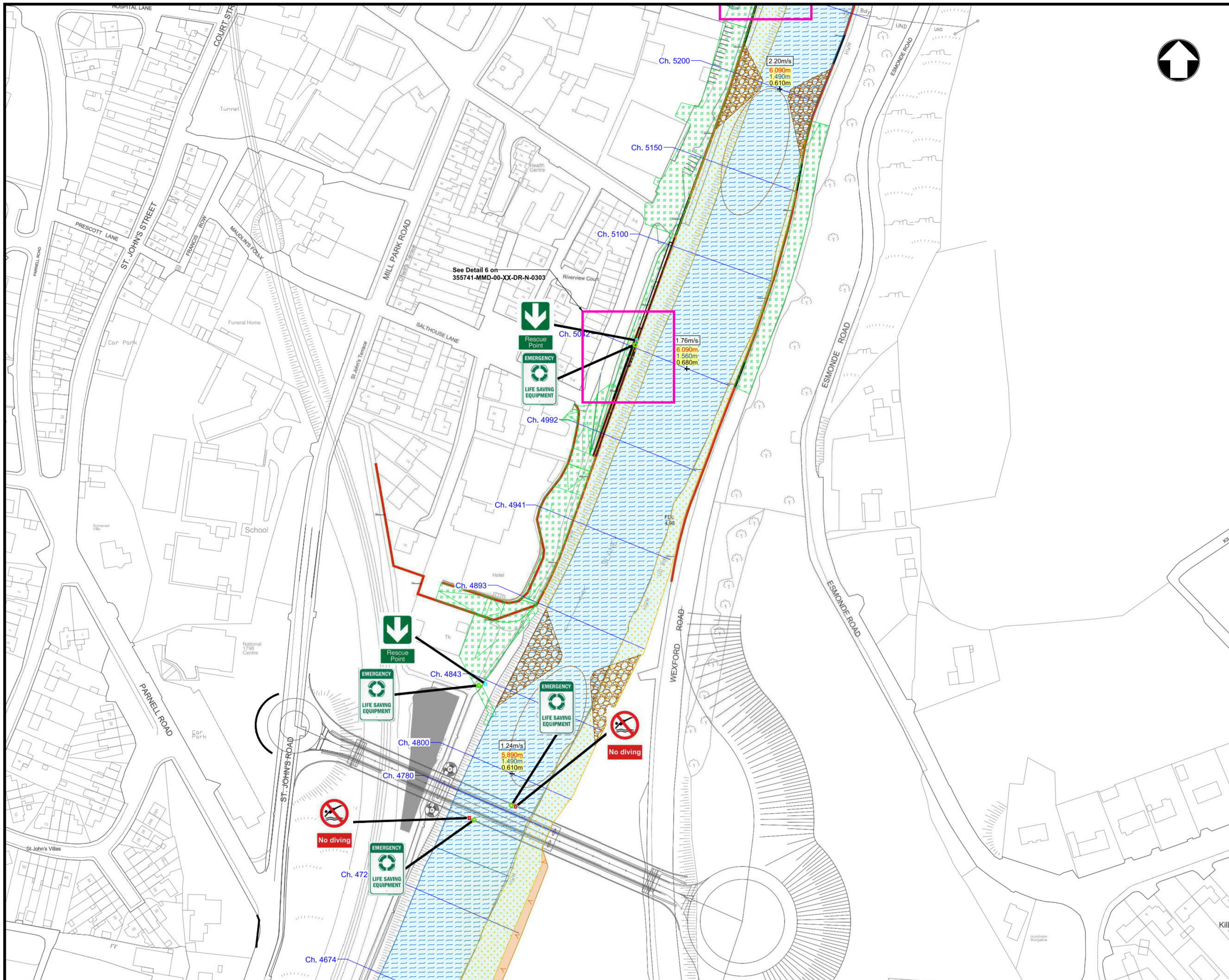
Water Safety Features
Sheet 1 of 2

Designed	D Gallagher	---	Eng check	N SAMACHETTY	NS
Drawn	D.GALLAGHER	DG	Coordination	N SAMACHETTY	NS
Dwg check	B.MCGREGOR	BM	Approved	B.WILLIAMS	BW
Scale at A1	1:1000	Suitability Code	Rev	P05	Security
		S2			STD

Suitable for Information

Drawing Number

355741-MMD-00-XX-DR-N-0301



Notes

LOCATION PLAN
SCALE 1:25,000

- Proposed Flood Wall
- Proposed Glass Flood Wall
- ▨ Proposed River Widening Area (Cut)
- ▨ Proposed Infilling
- ▨ River Dredging
- Life Ring
- Permanent Sign
- Temporary Sign

Flood Velocity
+ Flood Depth
+ Normal Depth
+ Low Flow Depth

0 10 20 30 40 50 m
SCALE 1:1000

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	18/09/18	DG	Initial Issue		M
P02	18/09/18	DG	Preliminary Issue		BM
P03	19/09/18	DG	Issued for Comment		BM BW
P04	25/09/18	DG	Issued for Comment		BM BW
P05	15/05/19	DG	Issued for Information		NS BW

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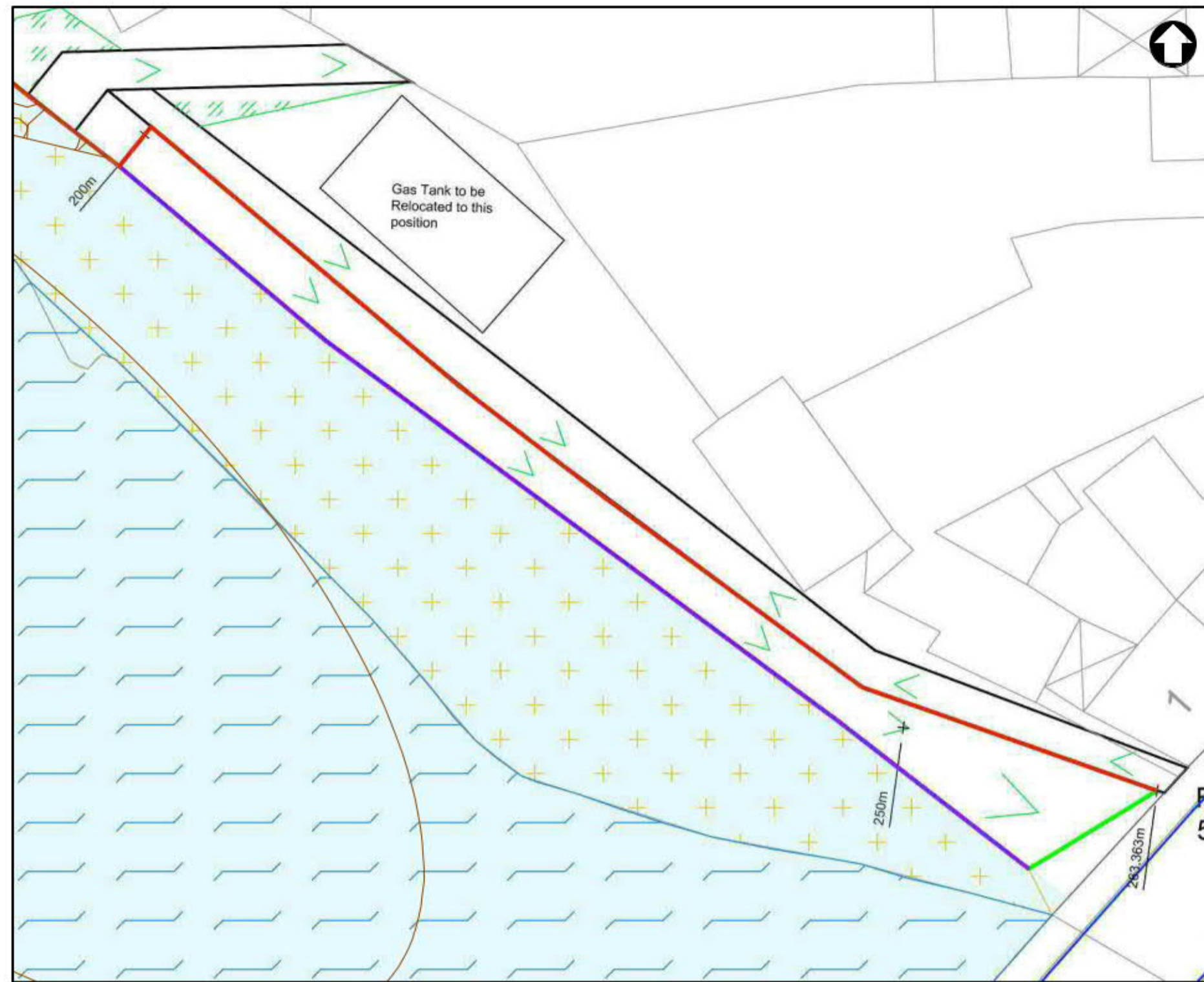
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Water Safety Features
Sheet 2 of 2

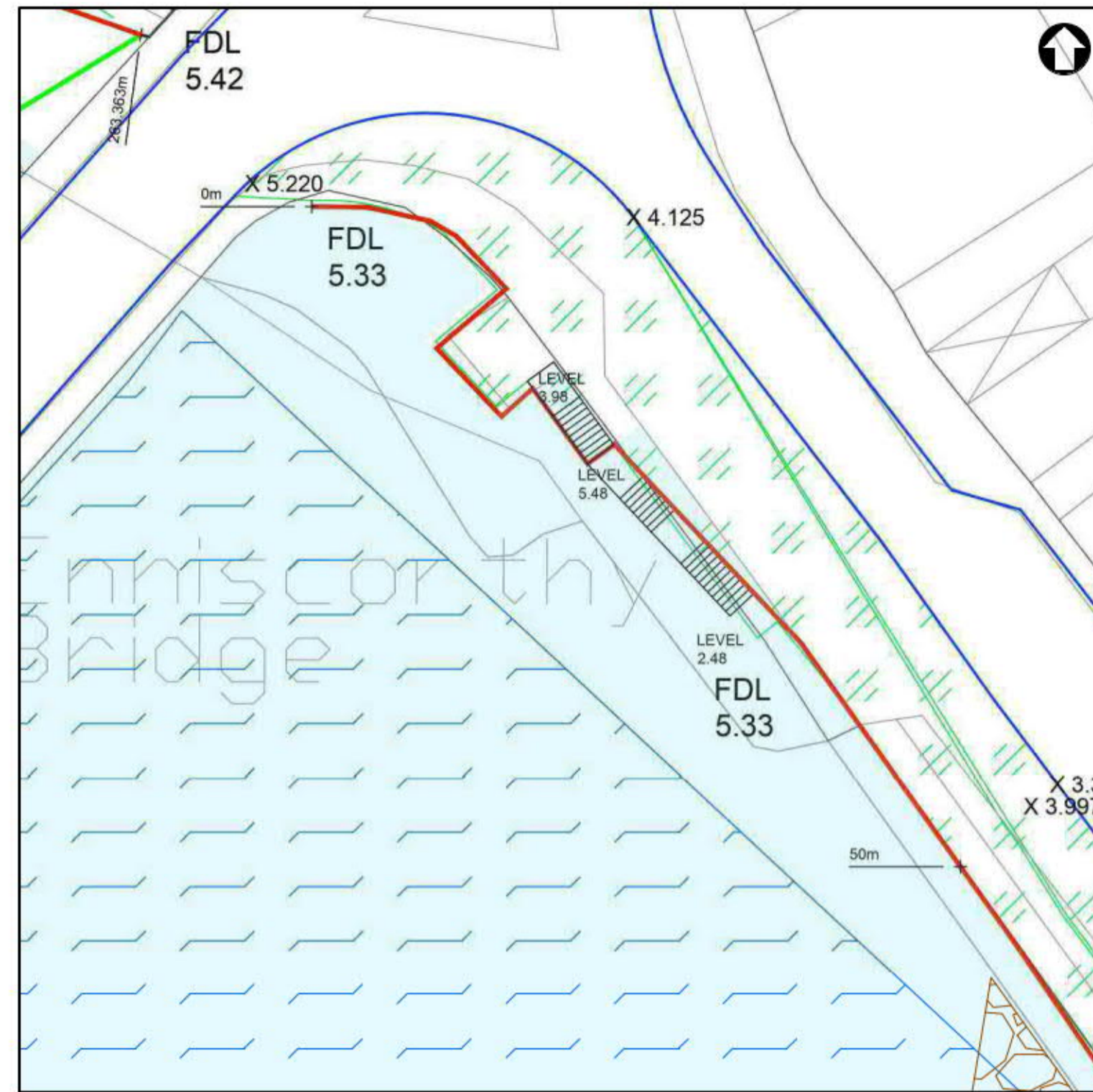
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Drawn	D.GALLAGHER	DG	Coordination	N SAMACHETTY	NS
DWg check	B.MCGREGOR	BM	Approved	B.WILLIAMS	BW
Scale at A1	1:1000	Suitability Code	Rev	P05	Security
		S2			STD

Suitable for Information

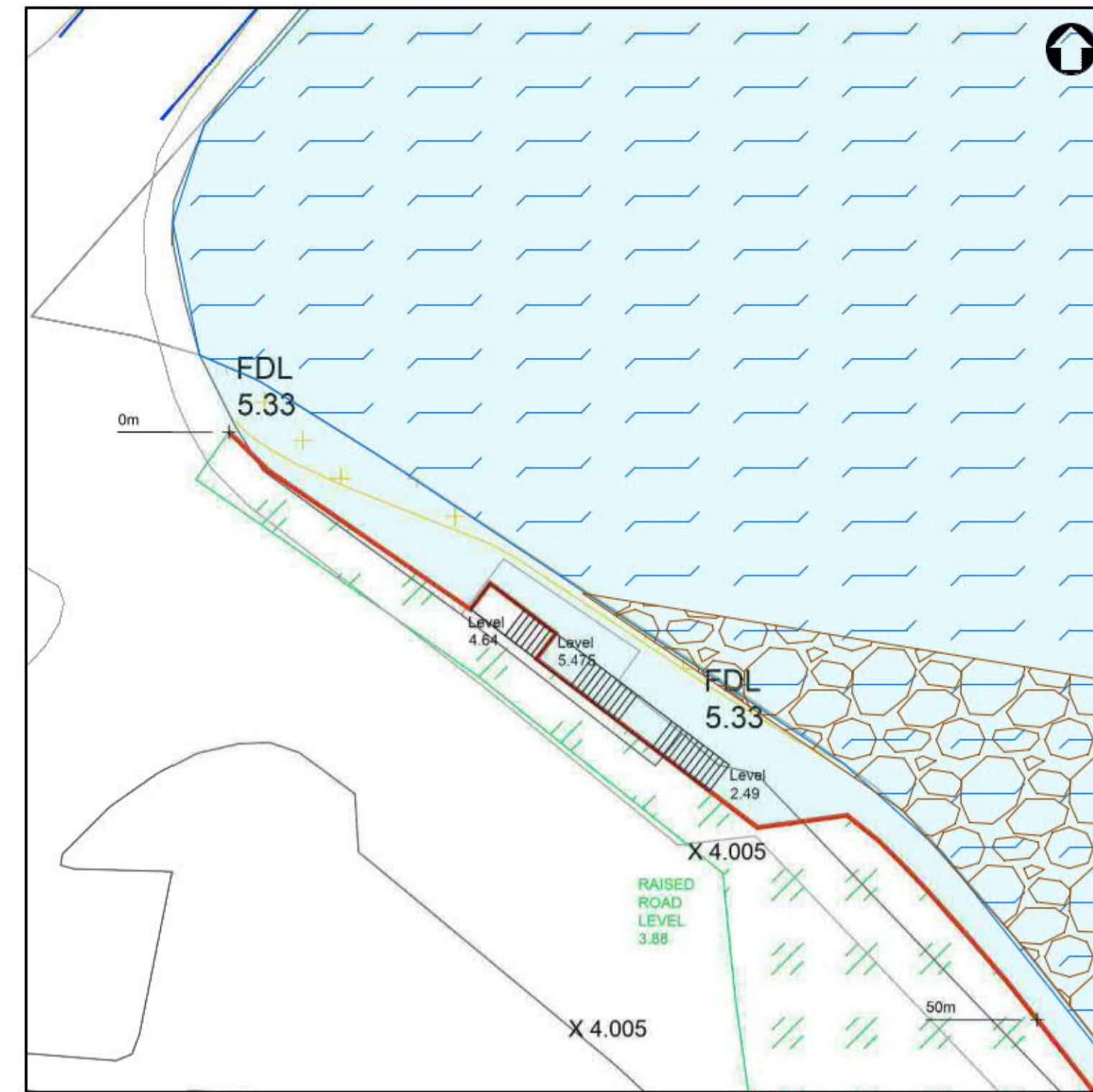
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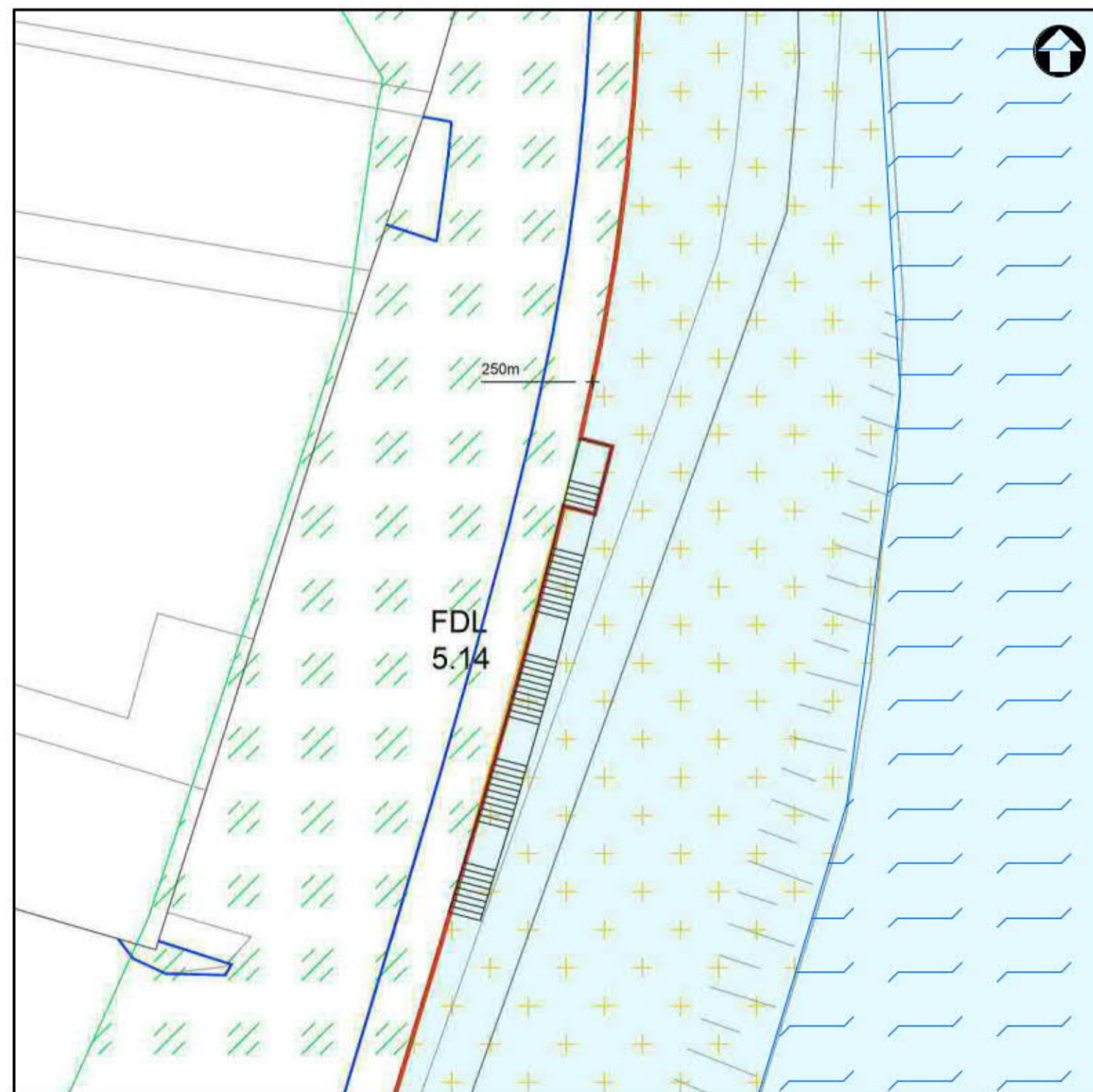
DETAIL 1 - PLAN AT LEISURE CENTRE
SCALE 1:250



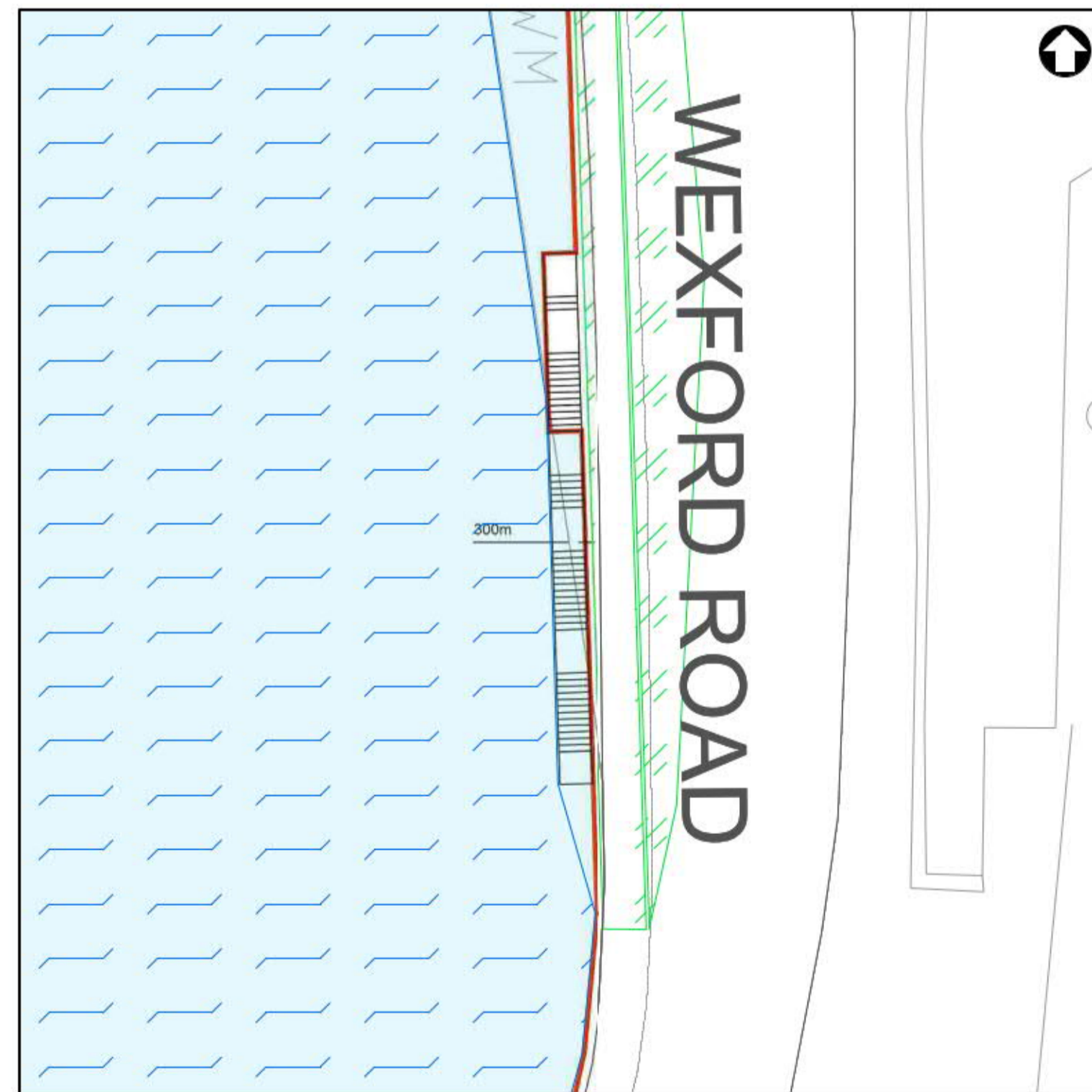
DETAIL 2 - PLAN AT SHANNON QUAY
SCALE 1:250



DETAIL 3 - PLAN AT ABBEY QUAY
SCALE 1:250



DETAIL 4 - PLAN AT PROMENADE
SCALE 1:250



DETAIL 5 - PLAN AT WEXFORD ROAD
SCALE 1:250



DETAIL 6 - PLAN AT MILL YARD LANE
SCALE 1:250

Notes

Legend:

- Proposed Flood Wall
- Proposed Glass Flood Wall
- Proposed River Widening Area (Cut)
- Proposed Infilling
- River Dredging

0 2.5 5 7.5 10 12.5 m
SCALE 1:250

Rev	Date	Drawn	Description	Ch'k'd	App'd
P01	18/09/18	DG	Initial Issue	M	
P02	18/09/18	DG	Preliminary Issue	BM	
P03	19/09/18	DG	Issued for Comment	BM	BW
P04	26/09/18	DG	Issued for Comment	BM	BW
P05	15/05/19	DG	Issued for Information	NS	BW

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Client

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Title
Enniscorthy Flood Defence Scheme
Water Safety Features
Access Details

Designed	D Gallagher	---	Eng check	N SAMACHETTY	NS
Drawn	D.GALLAGHER	DG	Coordination	N SAMACHETTY	NS
Dwg check	B.MCGREGOR	BM	Approved	B.WILLIAMS	BW
Scale at A1	1:250	Suitability Code	Rev	P05	Security
		S2			STD

Suitability Description
Suitable for Information

Drawing Number
355741-MMD-00-XX-DR-N-0303

Installation of a Sediment Trap and Debris Trap
The design of these measures eliminates the need for regular maintenance dredging of the entire reach of the river channel in Enniscorthy.



Cotton Tree
Cut down in the 1990's, the scheme now includes the proposal to **replant the Black Poplar *Populus nigra betulifolia* (Cotton Tree) back** in Enniscorthy.

Restoration of the North Island Back Channel
Some of the key features of the restored Back Channel include:

- **Meanders** to imitate the natural flow of a river and to promote oxygenation;
- Banks eco-design will be provided;
- Additional **tree planting**;
- 3 no. **fish refuges**;
- 2 no. **spawning areas** for lamprey and fish;
- An **island habitat feature downstream** of the channel.



Sand Martins
Colonies recorded in the east bank north of the railway bridge.

Enhancement
A Sand Martin Artificial Nesting Wall has been incorporated into the design.



The first stone bridge recorded across the Slaney in Enniscorthy was built in 1670's.

The **proposed scheme** has been designed to ensure it **fits with the architectural character** of the locality.



Redesign of the Pedestrian bridge
Improves the accessibility for the general public.



Environmental Sensitive Construction and Restoration

In order to maintain flow in the River Slaney, instream works will be limited to one side of the channel at any one time. Instream works will be carried out during the summer only, to ensure no impediment to fish and lamprey migration upstream.

Features have been added to the design to replicate characteristics of a naturally functioning river.



Redesign of River Slaney Road Bridge
Original scheme included a cable stay bridge design.



Enhancement
The proposed bridge minimises the intrusion in the River Slaney Corridor.



Bare Meadows
Wexford Harbour and Slob's Special Protection Area extends into the southern end of the scheme. The original scheme included a bypass channel that cut through this important habitat.

Enhancement
A compound channel at the edge of the Bare Meadows floodplain is being provided, which avoids direct impact on this important bird habitat.

ENNISCORTHY FLOOD DEFENCE SCHEME & THE ENVIRONMENT