



Capacity Extension at Shannon Foynes

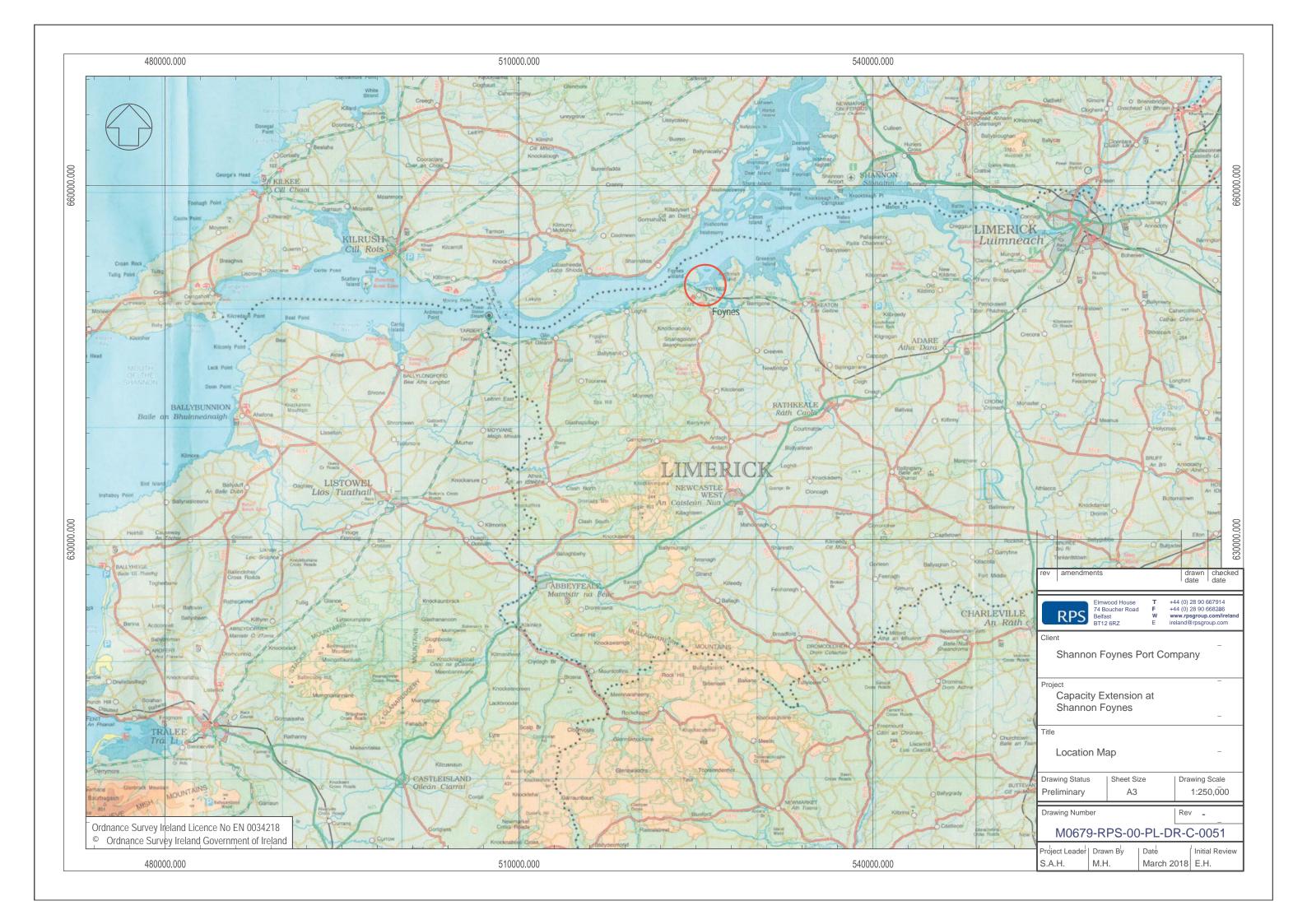
Planning Drawings Volume 7



Capacity Exten	sion at Shannon Foynes
Sheet Number	Sheet Title
M0679-RPS-00-PL-DR-C-0050	Planning Application Drawing List
M0679-RPS-00-PL-DR-C-0051	Location Map
M0679-RPS-00-PL-DR-C-0100	Site Location Map
M0679-RPS-00-PL-DR-C-0101	Proposed Site Location Key Plan
M0679-RPS-00-PL-DR-C-0102	Proposed Site Location Plan Sheet 1
M0679-RPS-00-PL-DR-C-0103	Proposed Site Location Plan Sheet 2
M0679-RPS-00-PL-DR-C-0104	Jetty Existing Survey
M0679-RPS-00-PL-DR-C-0105	Durnish Lands Existing Topographic Survey
M0679-RPS-00-PL-DR-C-0106	Proposed Phasing Plan for Construction
M0679-RPS-00-PL-DR-C-0107	Proposed Phasing Plan for Operational Uses
M0679-RPS-00-PL-DR-C-0109	SFPC Port Estate & Foynes Village Aerial View
M0679-RPS-00-PL-DR-C-0110	Overall Key Plan showing Proposed Development
M0679-RPS-00-PL-DR-C-0111	Proposed Site Layout Plan Sheet 1
M0679-RPS-00-PL-DR-C-0112	Proposed Site Layout Plan Sheet 2
M0679-RPS-00-PL-DR-C-0113	Proposed Site Layout Plan Sheet 3
M0679-RPS-00-PL-DR-C-0114	Proposed Site Layout Plan Sheet 4
M0679-RPS-00-PL-DR-C-0115	Proposed Site Layout Plan Sheet 5
M0679-RPS-00-PL-DR-C-0116	Proposed Site Layout Plan Sheet 6
M0679-RPS-00-PL-DR-C-0117	Proposed Site Layout Plan Sheet 7
M0679-RPS-00-PL-DR-C-0118	Proposed Site Layout Plan Sheet 8
M0679-RPS-00-PL-DR-C-0119	Proposed Site Layout Plan Sheet 9
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M0679-RPS-00-PL-DR-C-0124	Proposed Site Layout Plan Sheet 14
M0679-RPS-00-PL-DR-C-0125	Proposed Site Layout Plan Sheet 15
M0679-RPS-00-PL-DR-C-0126	Proposed Site Layout Plan Sheet 16
M0679-RPS-00-PL-DR-C-0127	Proposed Site Layout Plan Sheet 17

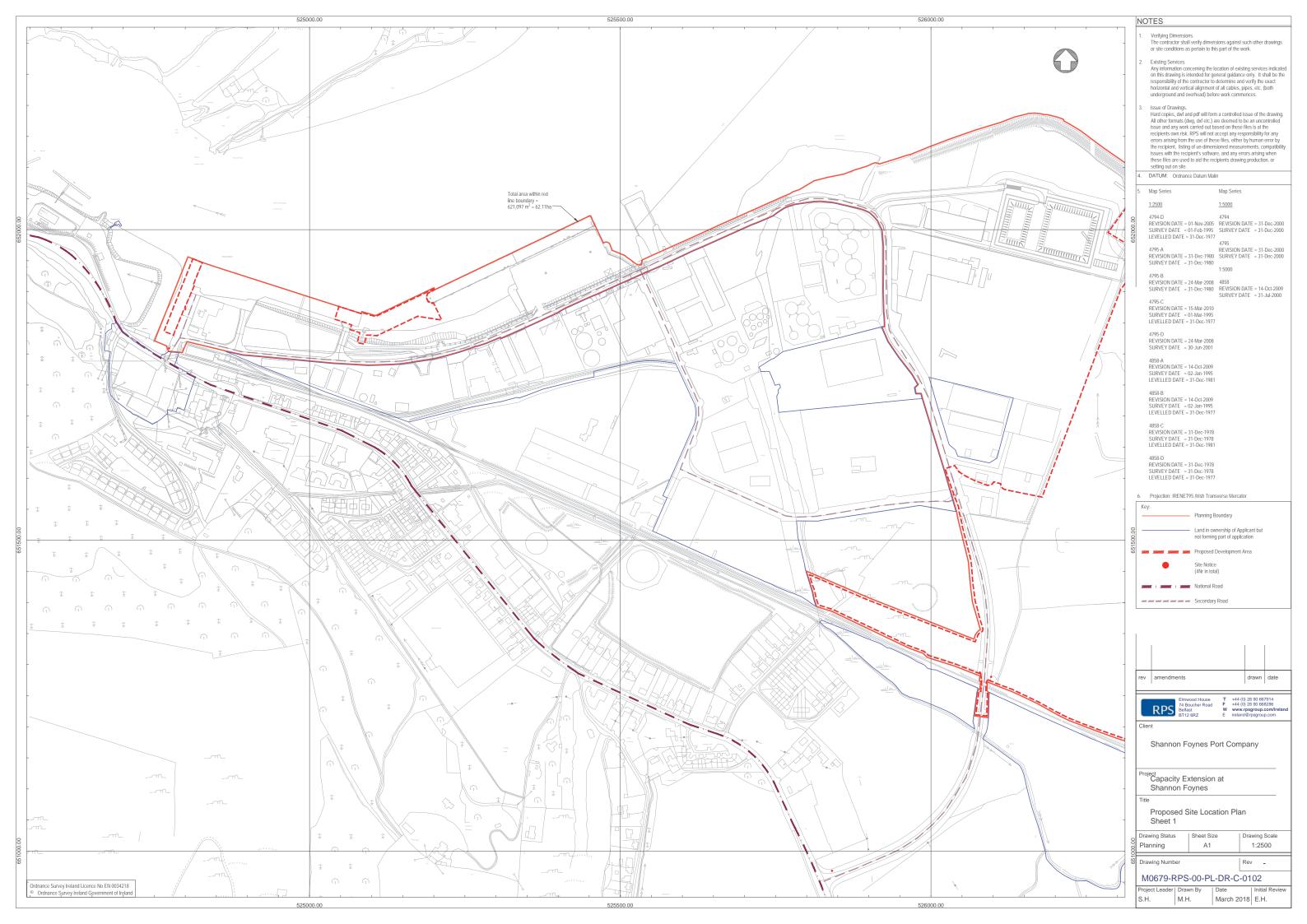
Capacity Extension at Shannon Foynes					
Sheet Number	Sheet Title				
M0679-RPS-00-PL-DR-C-0130	Jetty-Typical Section and Elevation				
M0679-RPS-00-PL-DR-C-0131	Durnish Lands Typical Sections Sheet 1				
	Durnish Lands Typical Sections Sheet 2				
M0679-RPS-00-PL-DR-C-0133	Durnish Lands Typical Sections Sheet 3				
M0679-RPS-00-PL-DR-C-0134	Durnish Lands Typical Sections Sheet 4				
M0679-RPS-00-PL-DR-C-0135	Durnish Lands Typical Sections Sheet 5				
	Durnish Lands Typical Sections Sheet 6				
	Durnish Lands Typical Sections Sheet 7				
M0679-RPS-00-PL-DR-C-0138	Existing and Proposed Pontoon				
M0679-RPS-00-PL-DR-C-0144	Proposed Lux Levels at New Quay				
M0679-RPS-00-PL-DR-C-0145	Proposed Lux Levels at Durnish Lands				
M0679-RPS-00-PL-DR-C-0160	Surfacing and Fencing Details				
M0679-RPS-00-PL-DR-C-0161	Quay Furniture Details				
M0679-RPS-00-PL-DR-C-0162	Drainage Details				
M0679-RPS-00-PL-DR-C-0163	Storage Warehouse Typical Plan and Elevations				
M0679-RPS-00-PL-DR-C-0164	Security Kiosk and Details				
M0679-RPS-00-PL-DR-C-0165	Proposed Sub-Station Details				
M0679-RPS-00-PL-DR-C-0166	Existing Lean To Details				
M0679-RPS-00-PL-DR-C-0167	Proposed Lean To Details				
Landscaping					
1773.5.01	Proposed Boundary Treatments				

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	RPS			T +44 (0) 28 90 667914 F +44 (0) 28 90 668286 W www.rpsgroup.com/ireland E ireland@rpsgroup.com				
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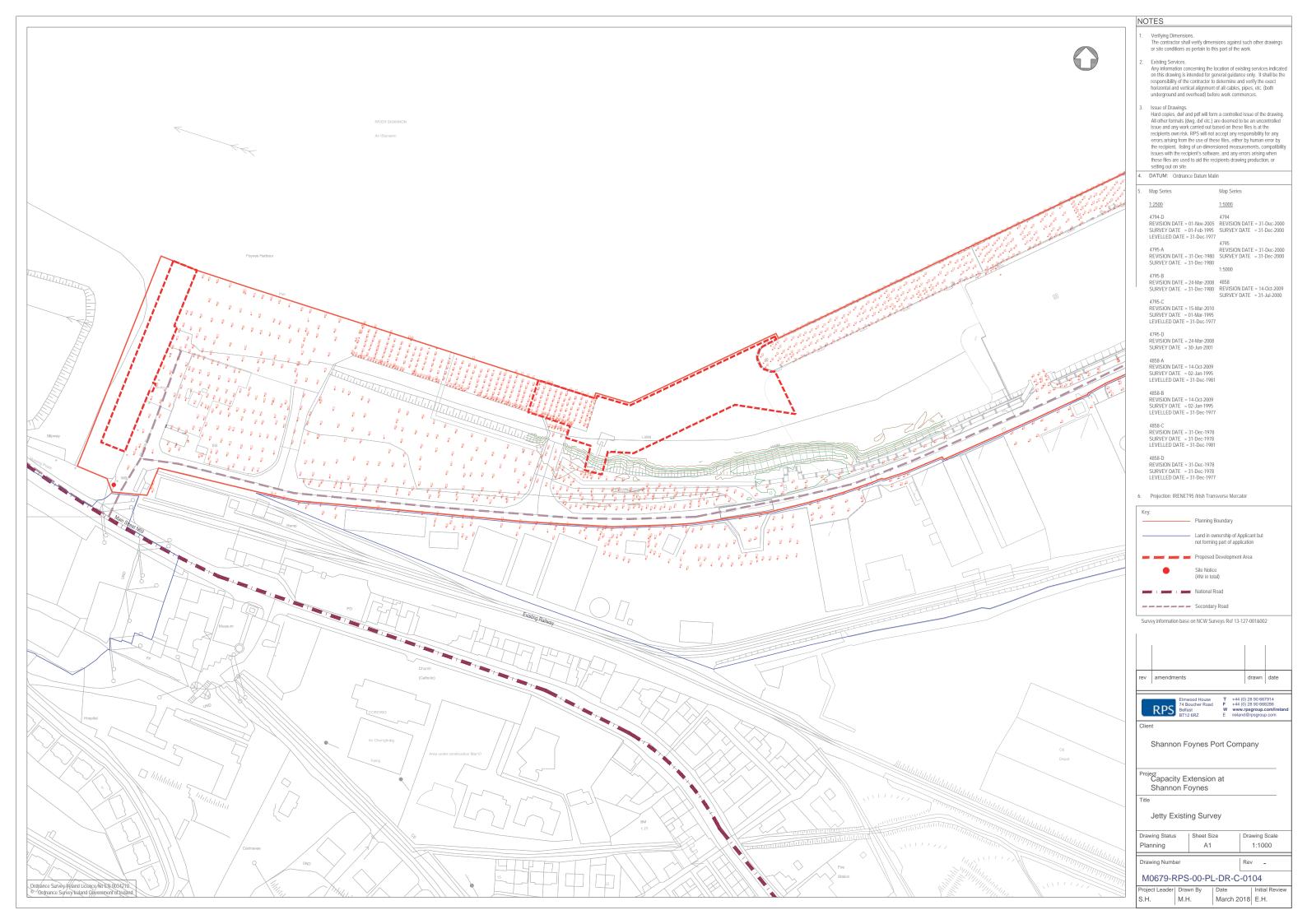


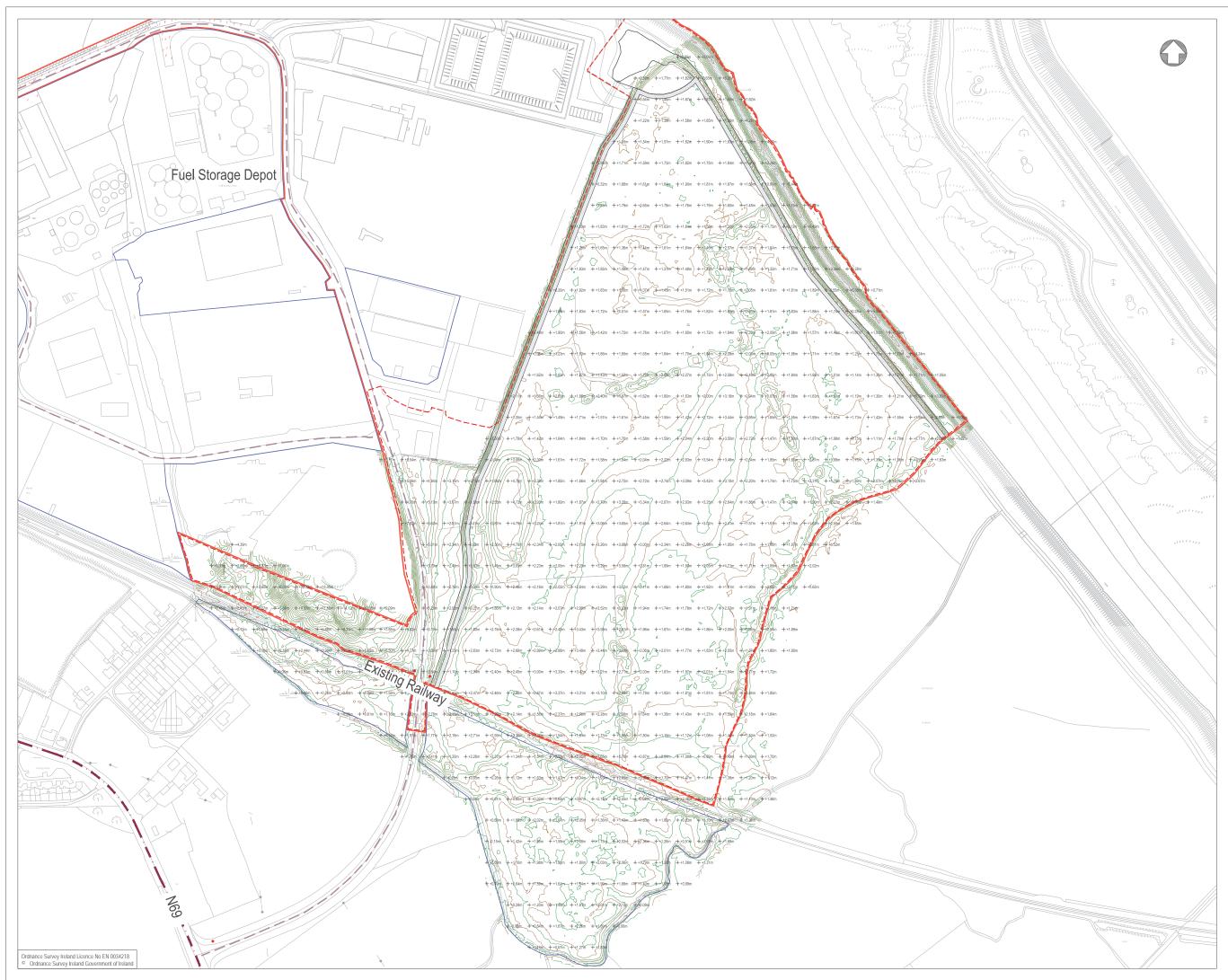




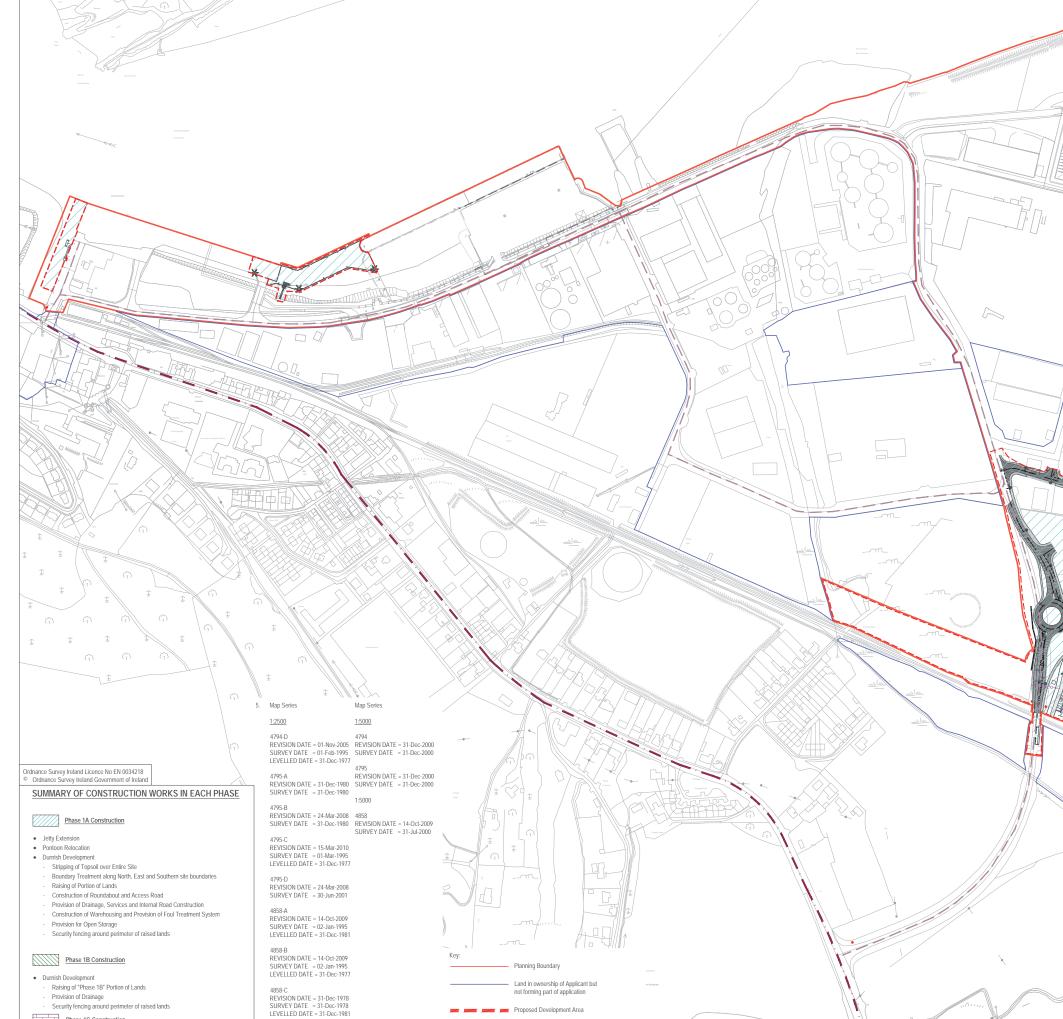








NOTES Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work. Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences. Issue of Drawings. Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg, dd etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site. DATUM: Ordnance Datum Malin Map Series Map Series 1:2500 1:5000 4794-D 4794 REVISION DATE = 01-Nov-2005 REVISION DATE = 31-Dec-2000 SURVEY DATE = 01-Feb-1995 SURVEY DATE = 31-Dec-2000 LEVELLED DATE = 31-Dec-1977 LEVELLED UALE = 31-Dec-1970 4795 4795-A REVISION DATE = 31-Dec-2000 REVISION DATE = 31-Dec-1980 SURVEY DATE = 31-Dec-2000 SURVEY DATE = 31-Dec-1980 1.500 1:5000 4795-B 4795-B REVISION DATE = 24-Mar-2008 4858 SURVEY DATE = 31-Dec-1980 REVISION DATE = 14-Oct-2009 SURVEY DATE = 31-Jul-2000 4795-C REVISION DATE = 15-Mar-2010 SURVEY DATE = 01-Mar-1995 LEVELLED DATE = 31-Dec-1977 4795-D REVISION DATE = 24-Mar-2008 SURVEY DATE = 30-Jun-2001 4858-A REVISION DATE = 14-Oct-2009 SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1981 4858-B REVISION DATE = 14-Oct-2009 SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1977 4858-C REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1981 4858-D REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1977 6. Projection: IRENET95 /Irish Transverse Mercator Key: Planning Boundary Land in ownership of Applicant but not forming part of application Proposed Development Area Site Notice (4Nr in total) National Road Secondary Road Survey information base on: NCW Surveys Ref: 13-127-001&002 Murphys Survey Ref: 1692-001 and 002 rev amendments drawn date T +44 (0) 28 90 667914 F +44 (0) 28 90 668286 W www.rpsgroup.com/ E ireland@rpsgroup.com RPS Shannon Foynes Port Company Capacity Extension at Shannon Foynes Durnish Lands Existing Topographic Survey Drawing Scale Drawing Status Sheet Size 1:2000 A1 Planning wing Number Rev -M0679-RPS-00-PL-DR-C-0105 Project Leader | Drawn By Date Initial S.H. M.H. March 2018 E.H.



Site Notice (4Nr in total)

National Road

Secondary Road

Phase 1A

Phase 1B

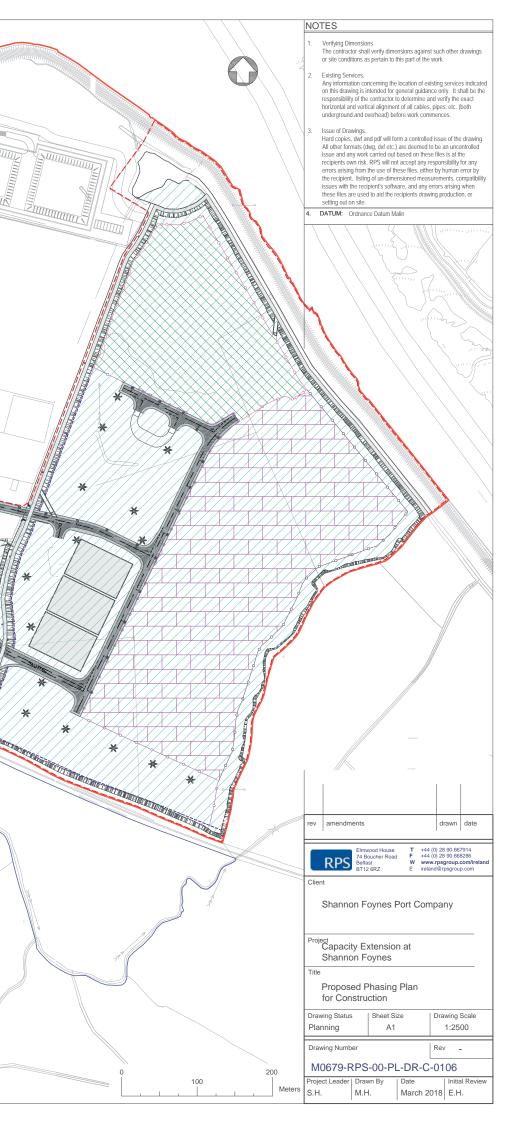
Phase 1C

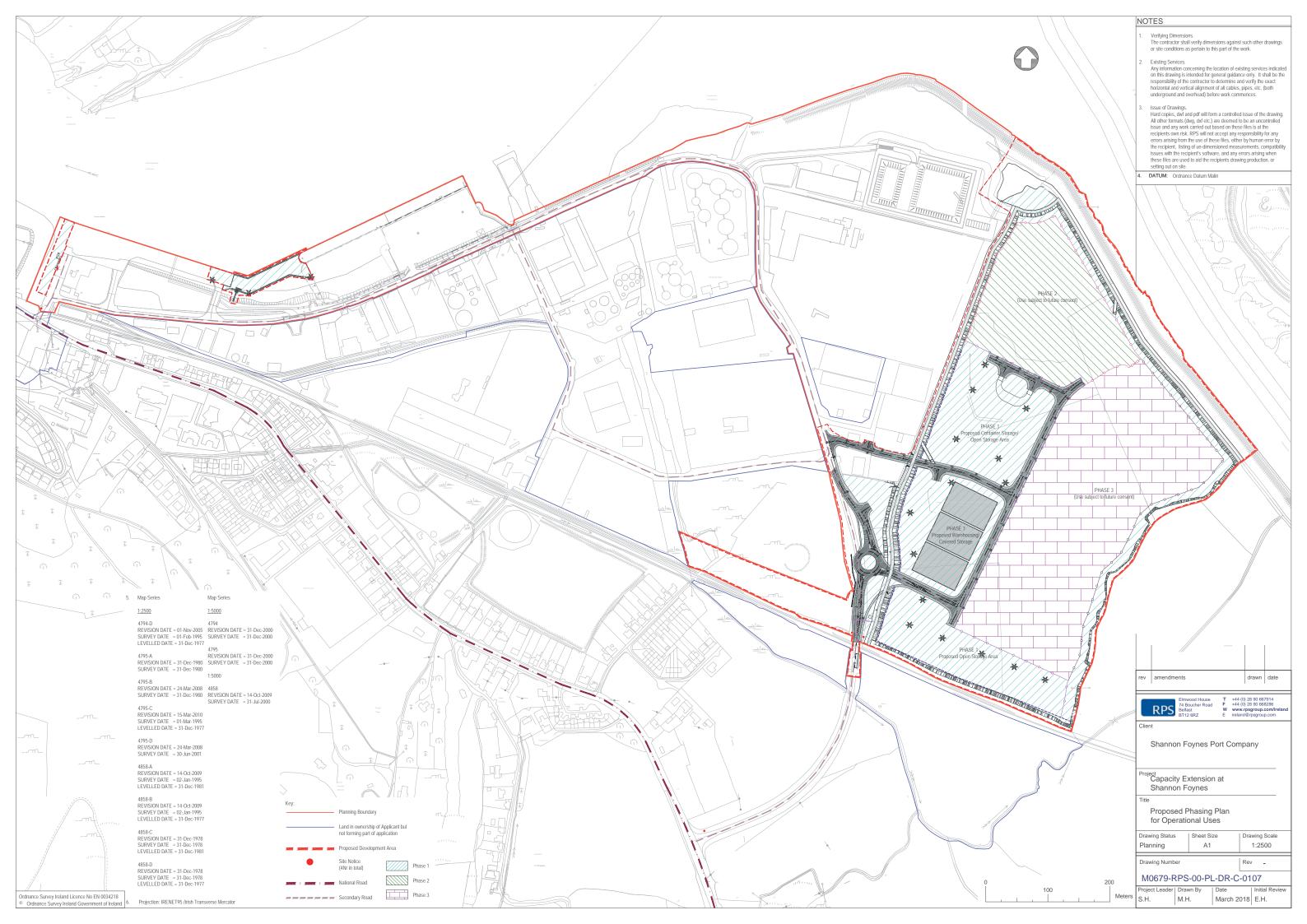
Phase 1C Construction

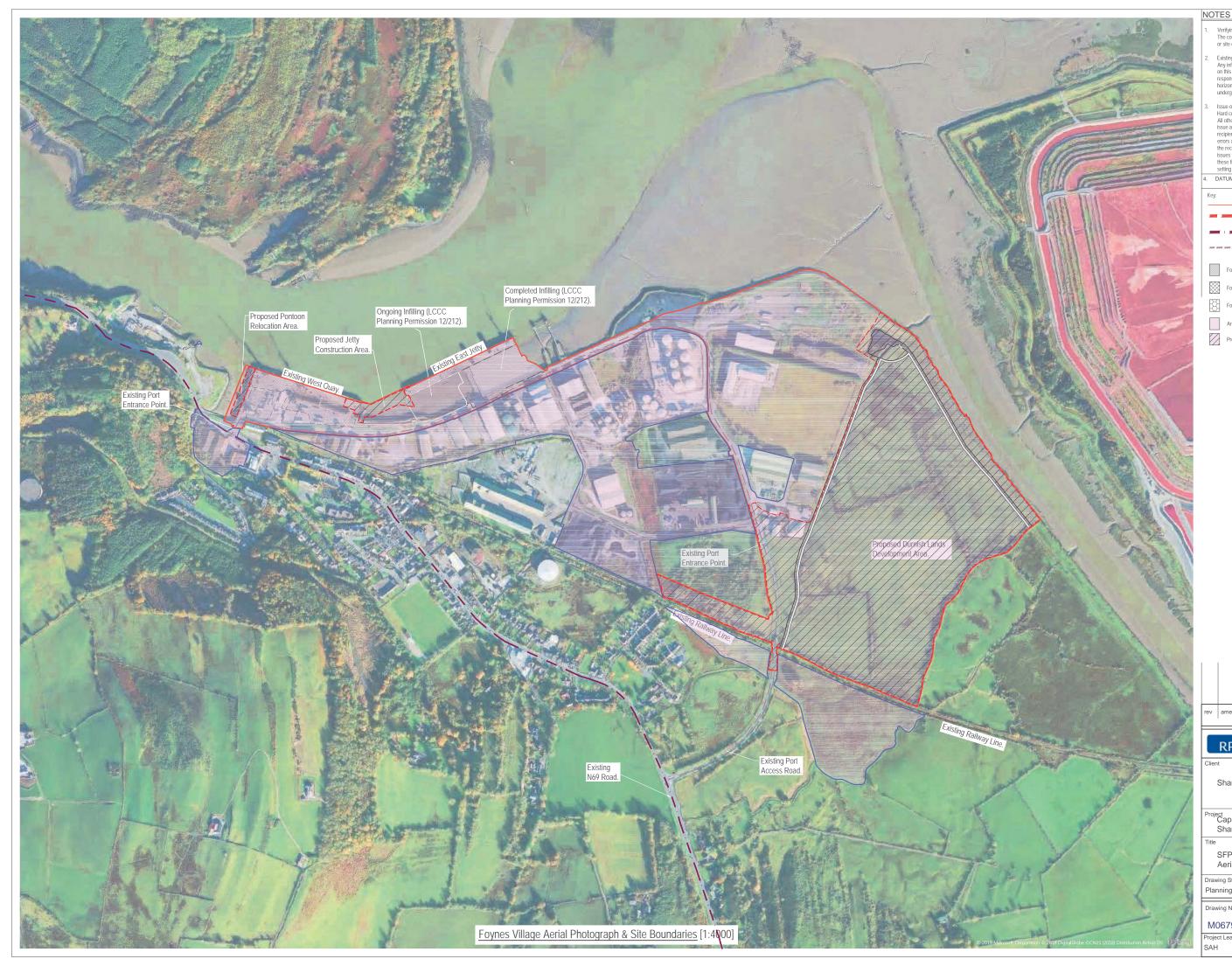
- Durnish Development
 Raising of "Phase 1C" Portion of Lands
- Provision of Drainage
- Security fencing around perimeter of raised lands
- Projection: IRENET95 /Irish Transverse Mercator

4858-D REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1977

4858-D

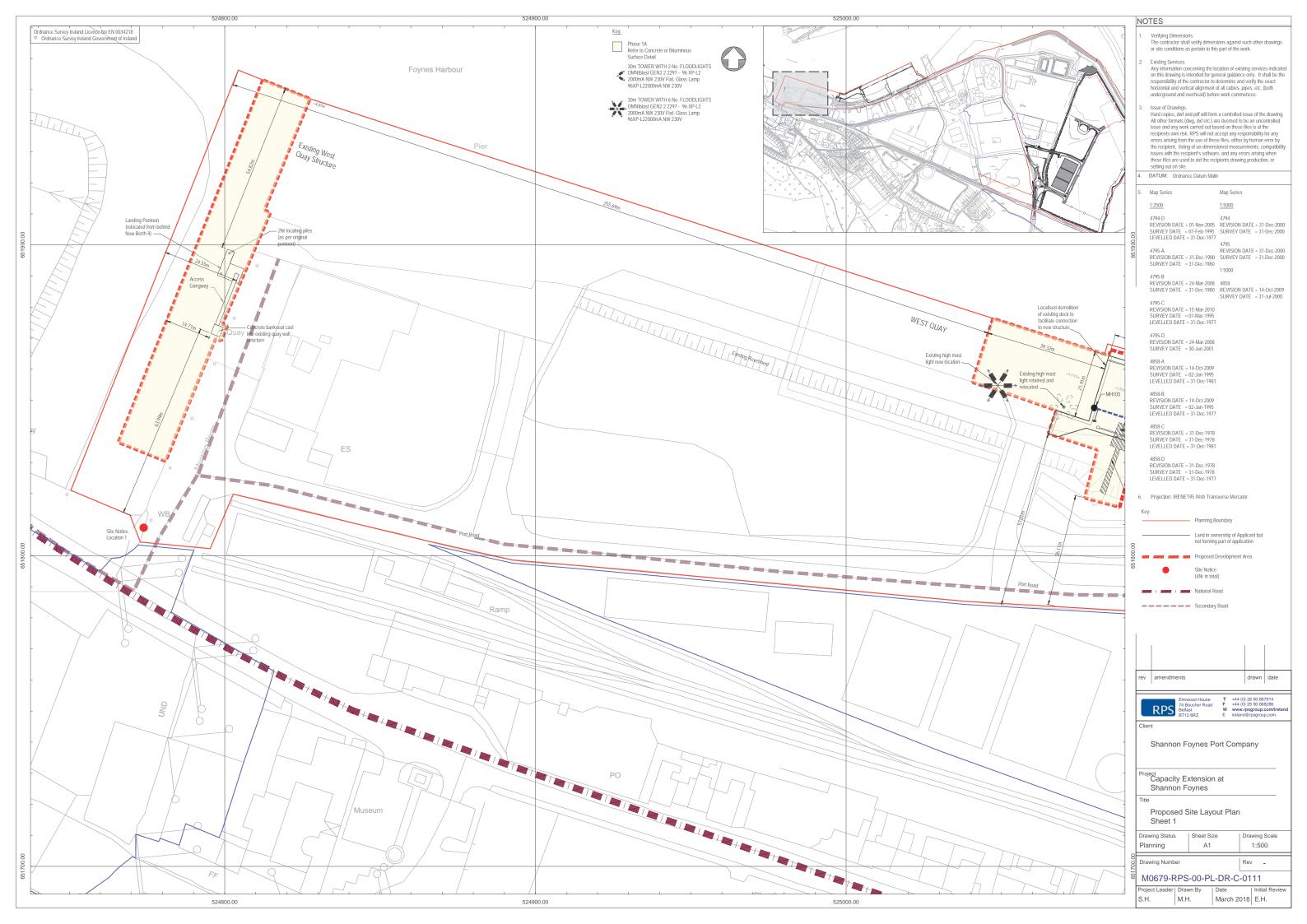


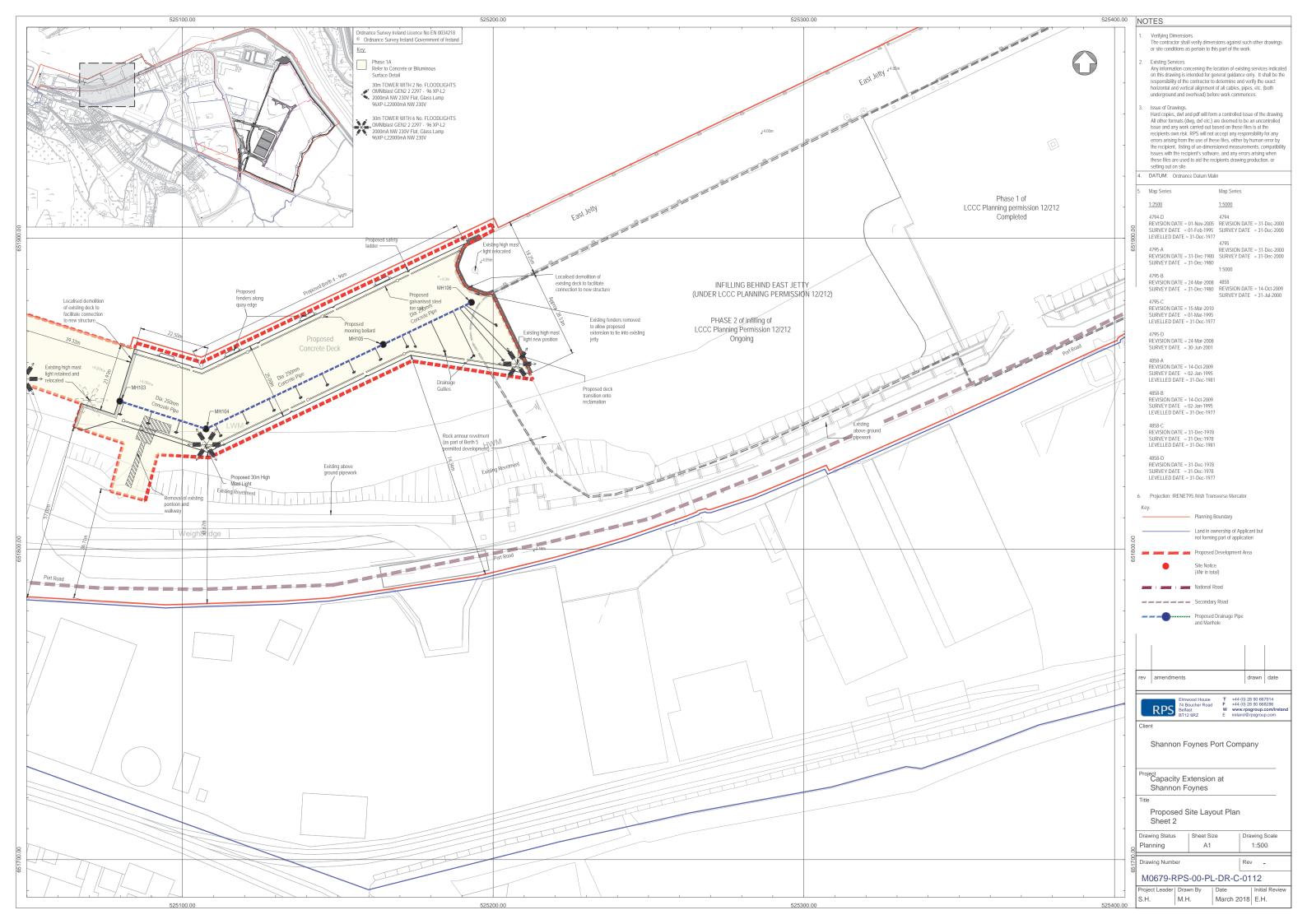


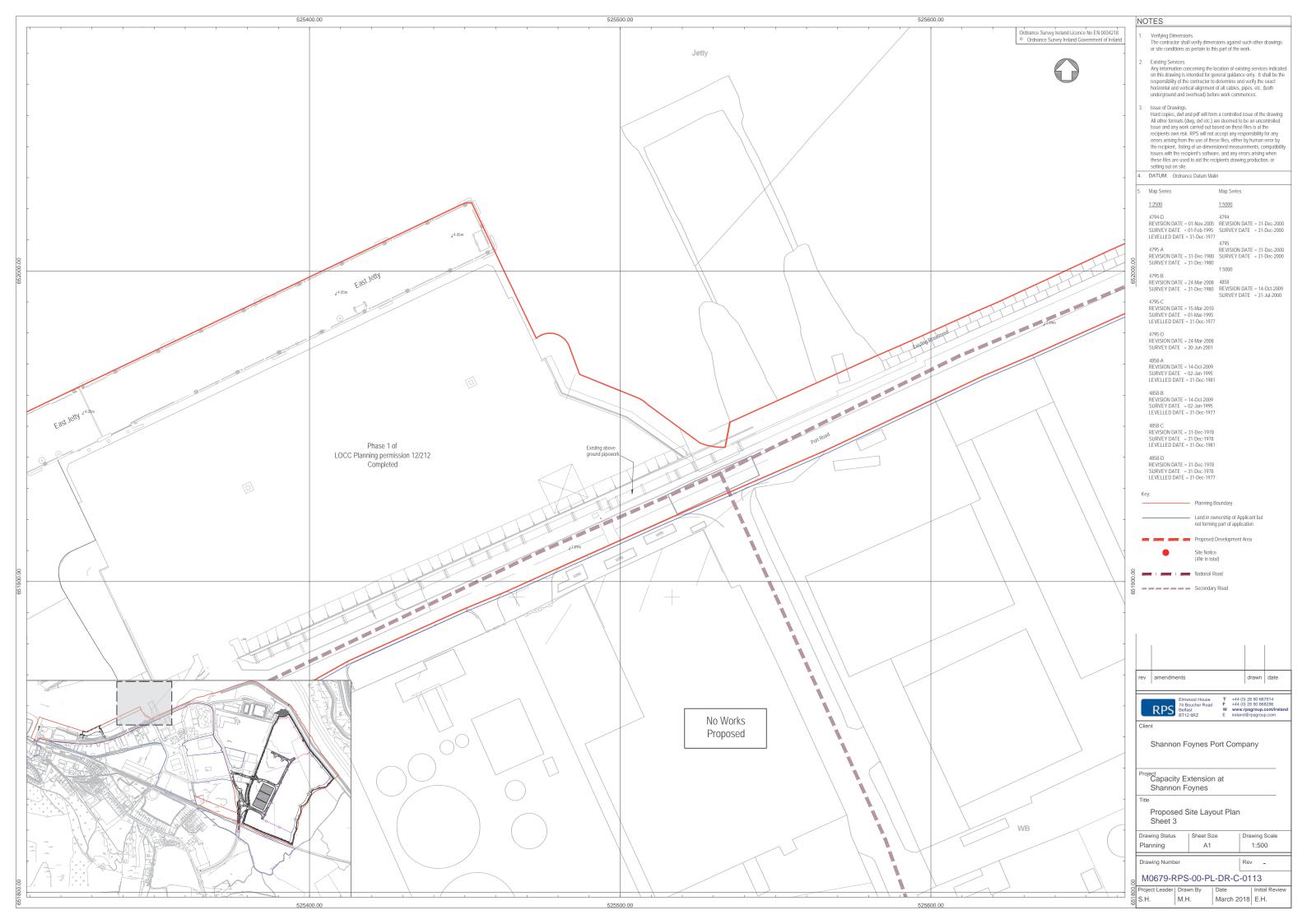


Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work. Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences. Issue of Drawings. Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg, dxf etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site. DATUM: Ordnance Datum Malin Key: Planning Boundary Proposed Development Area National Road Secondary Road Foreshore Lease 1933 Foreshore Lease 1998 Foreshore Lease 2014 Area within Port Ownership Proposed Development Area drawn date ev amendments T +44 (0) 28 90 667914 F +44 (0) 28 90 668286 W www.rpsgroup.com/ii E ireland@rpsgroup.com d House her Road RPS Shannon Foynes Port Company Capacity Extension at Shannon Foynes SFPC Port Estate & Foynes Village Aerial View Drawing Status Sheet Size | Drawing Scale A1 1:4000 Planning Drawing Number Rev _ M0679-RPS-00-PL-DR-C-0109 Project Leader | Drawn By Date | Initial F March 2018 SAH SAH EH

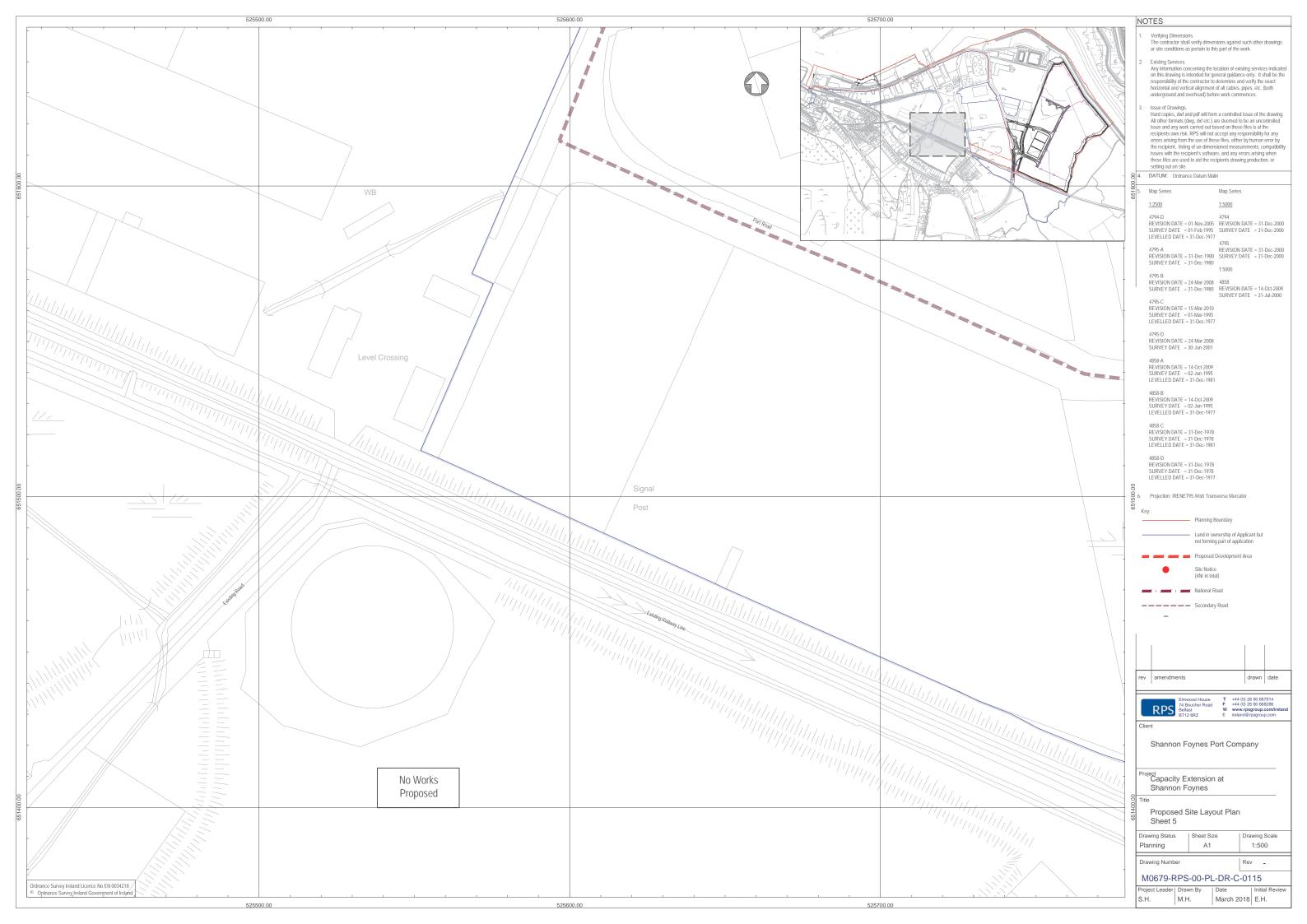


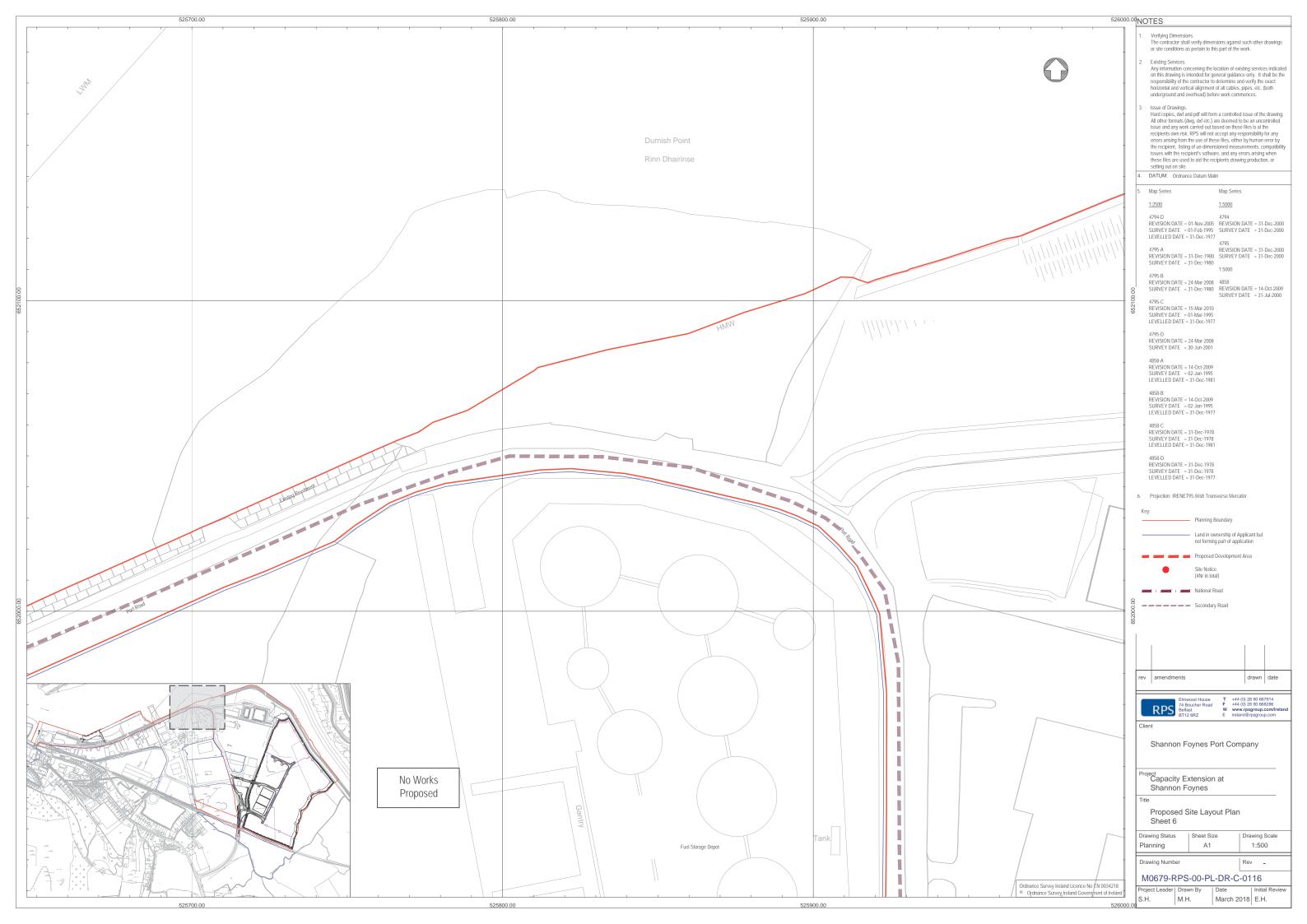




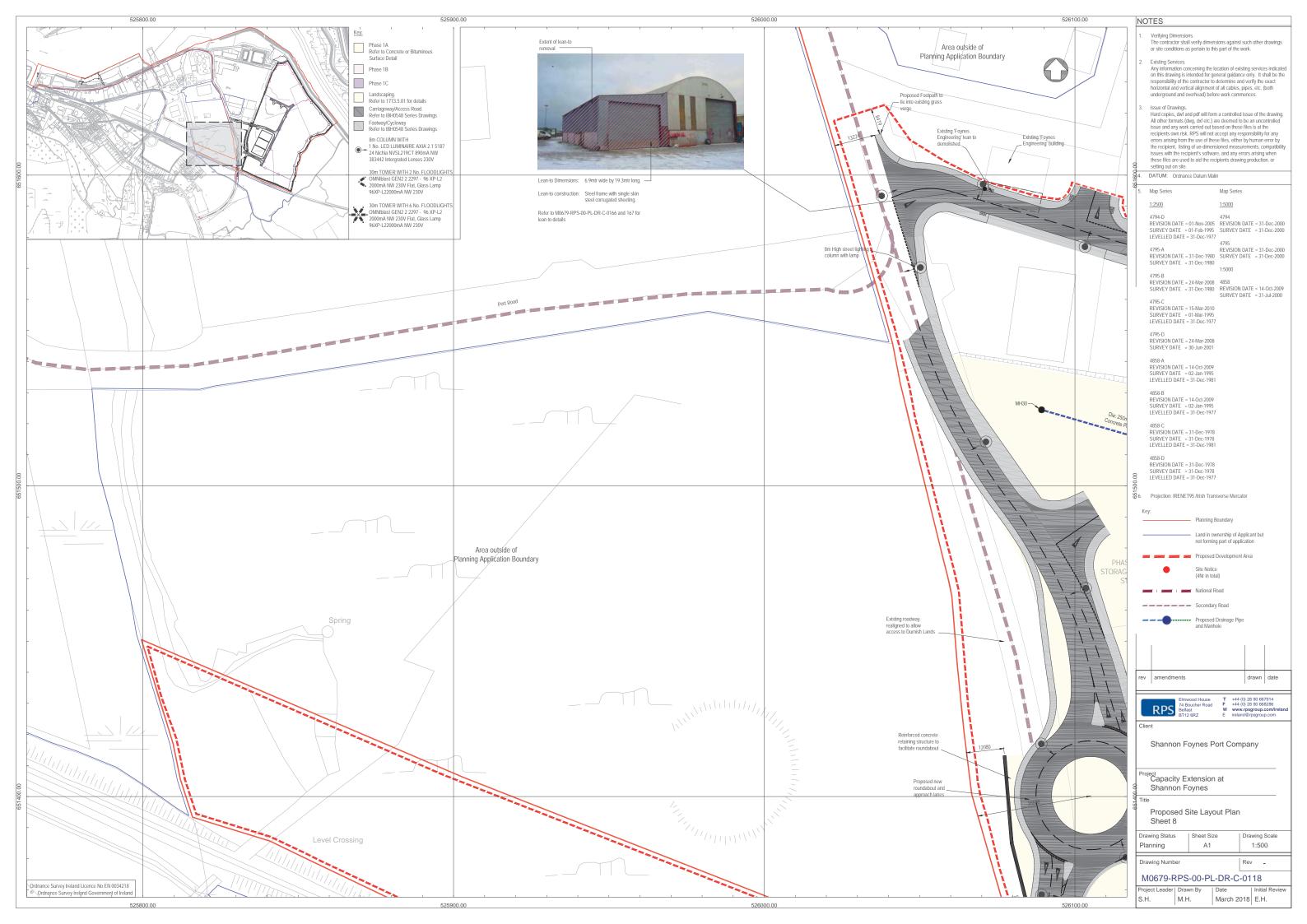


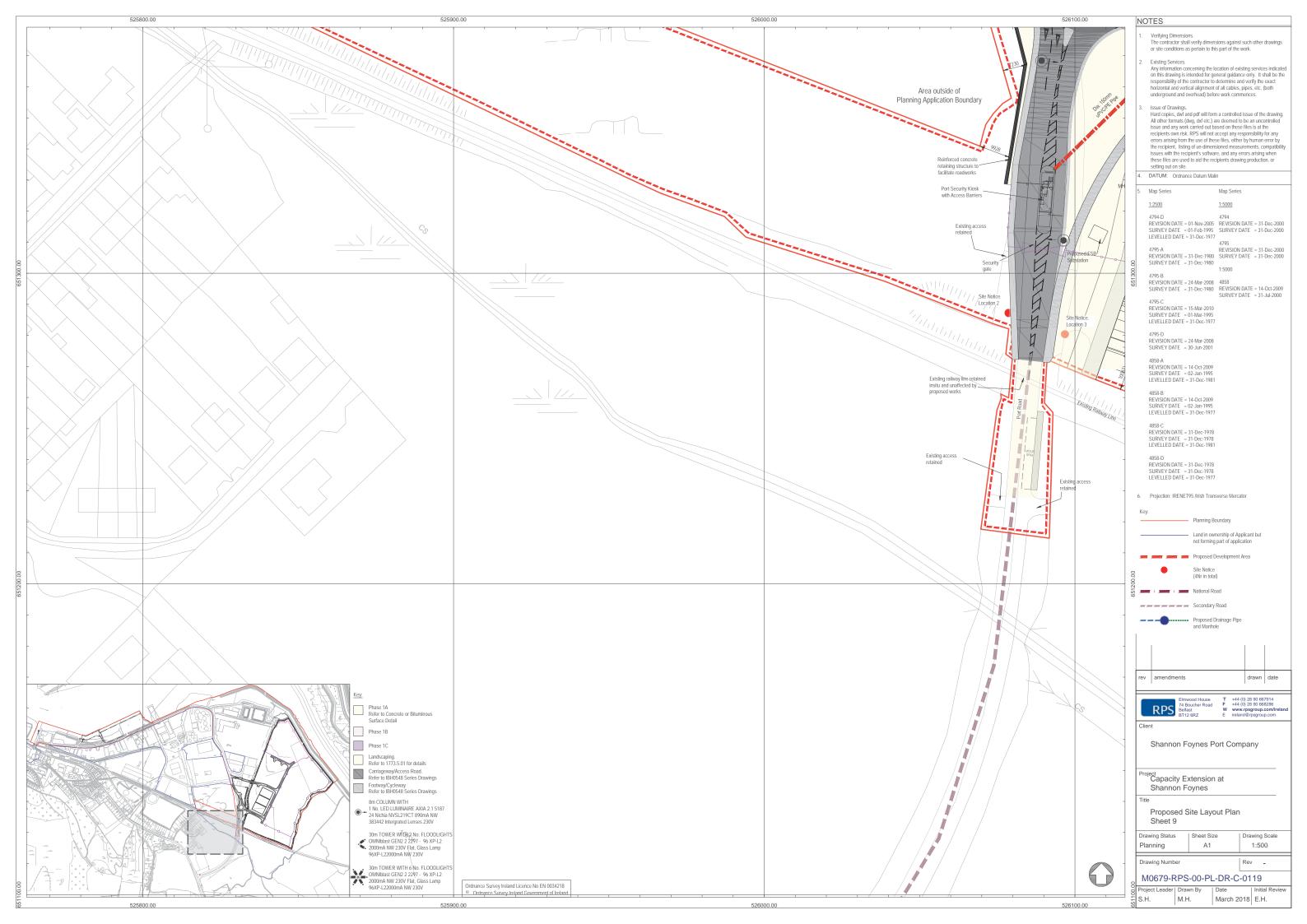










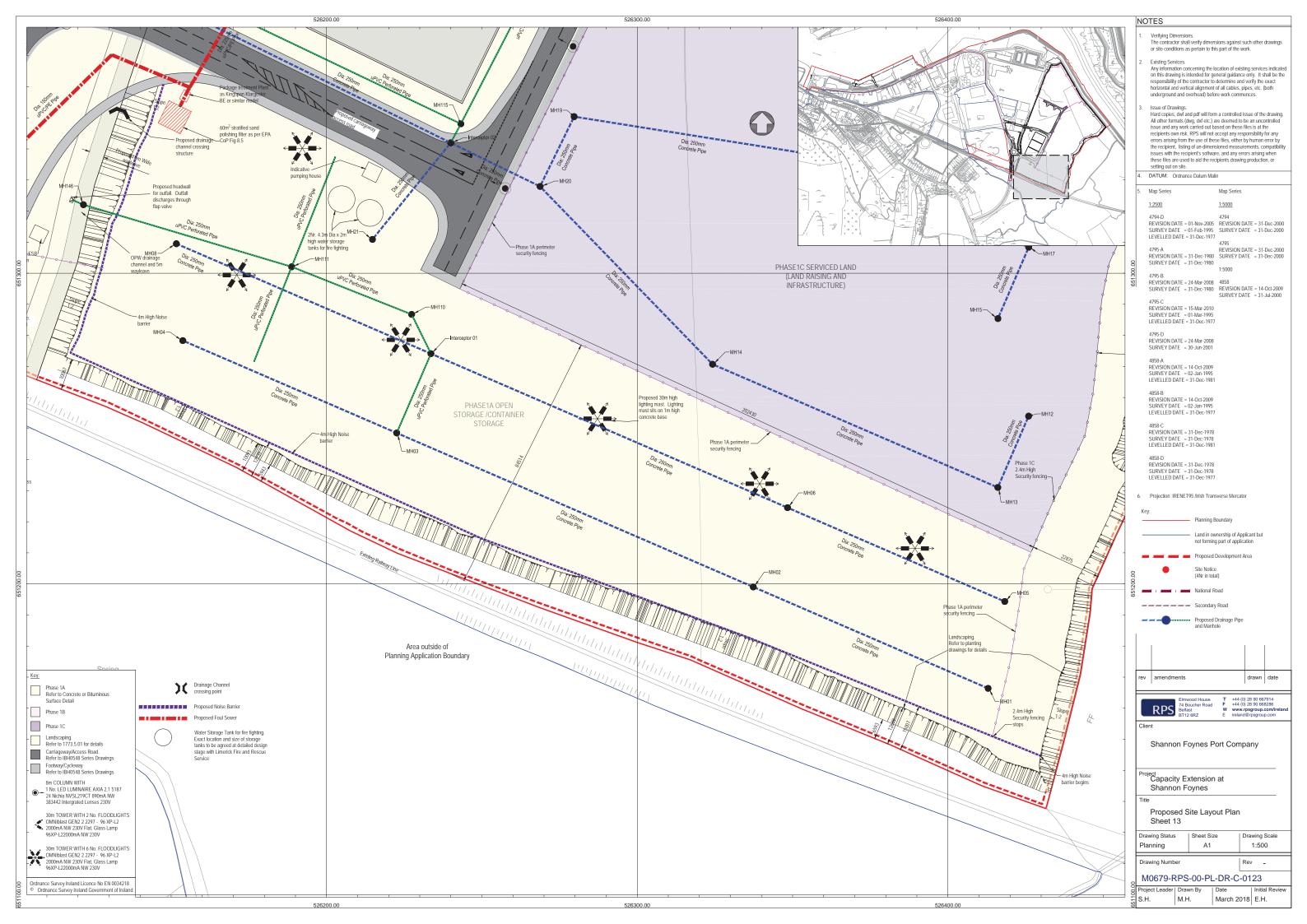


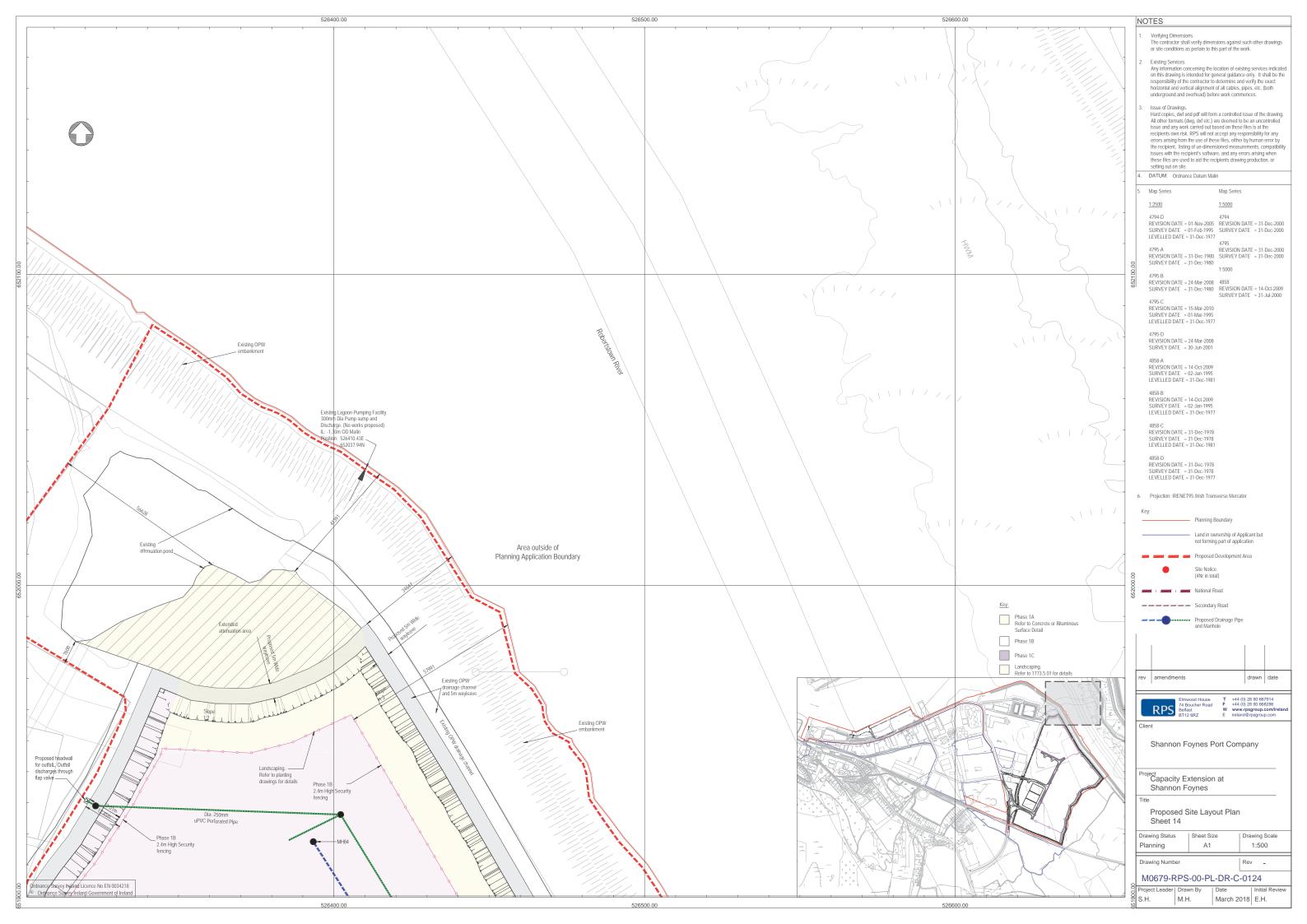


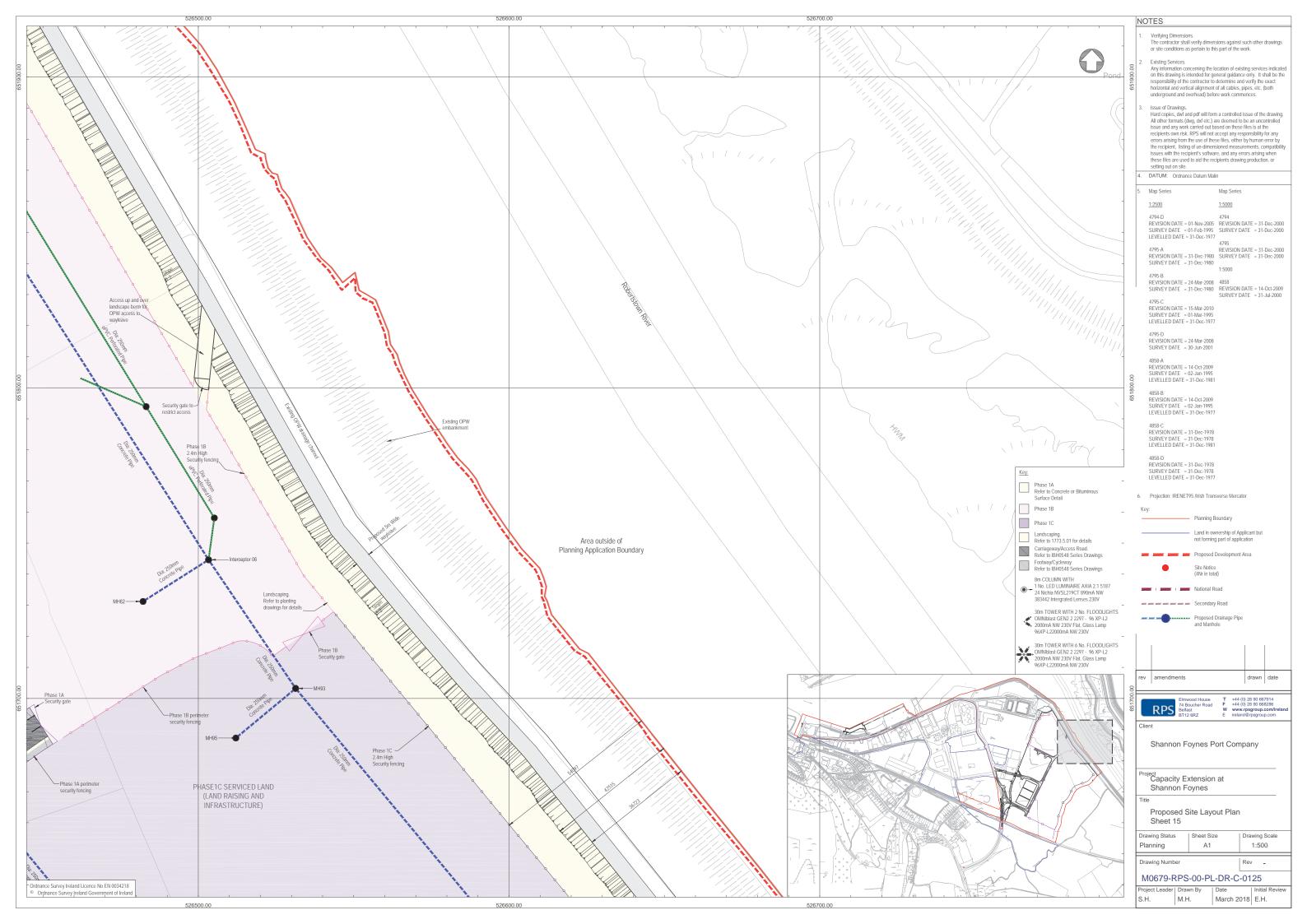


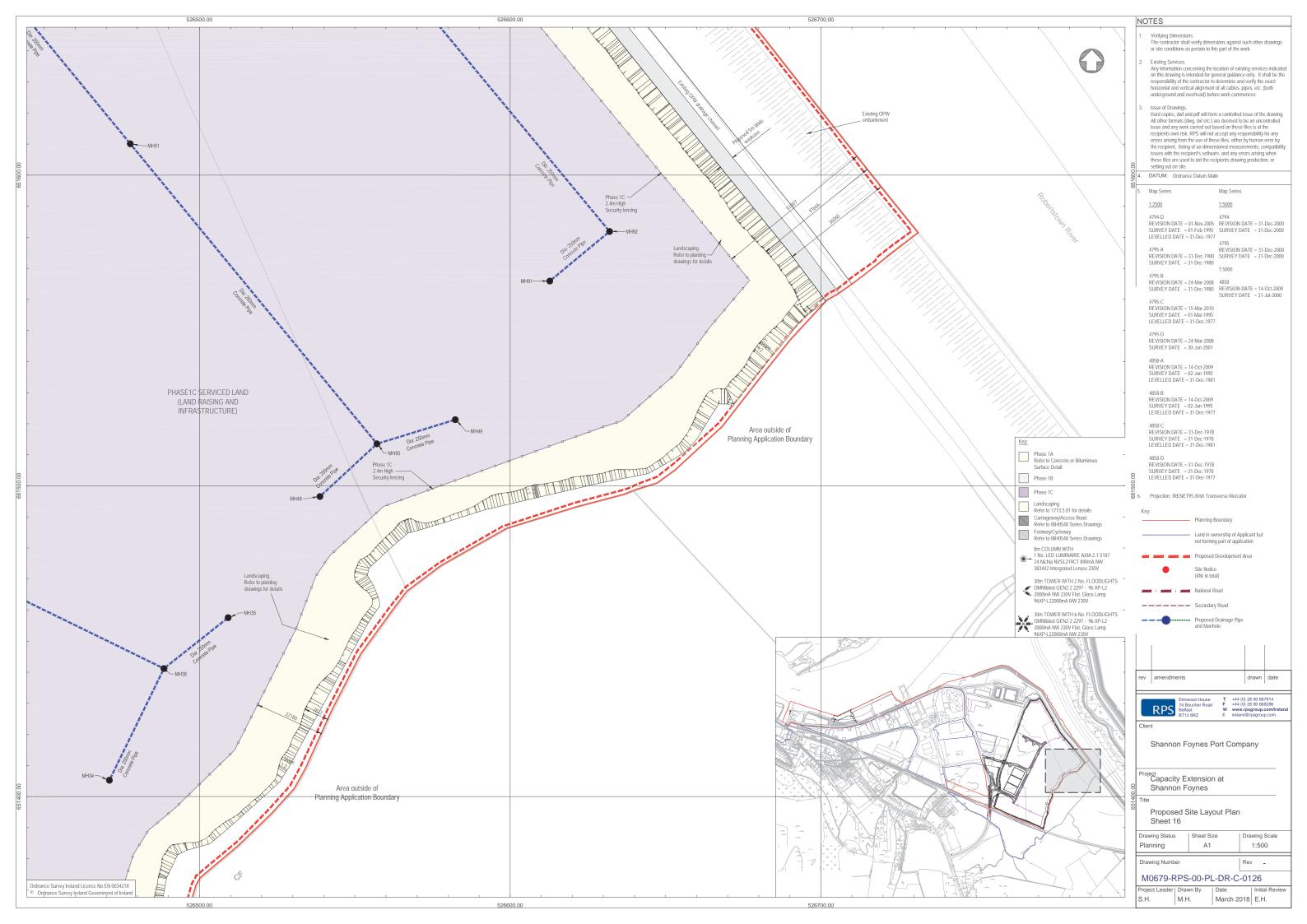


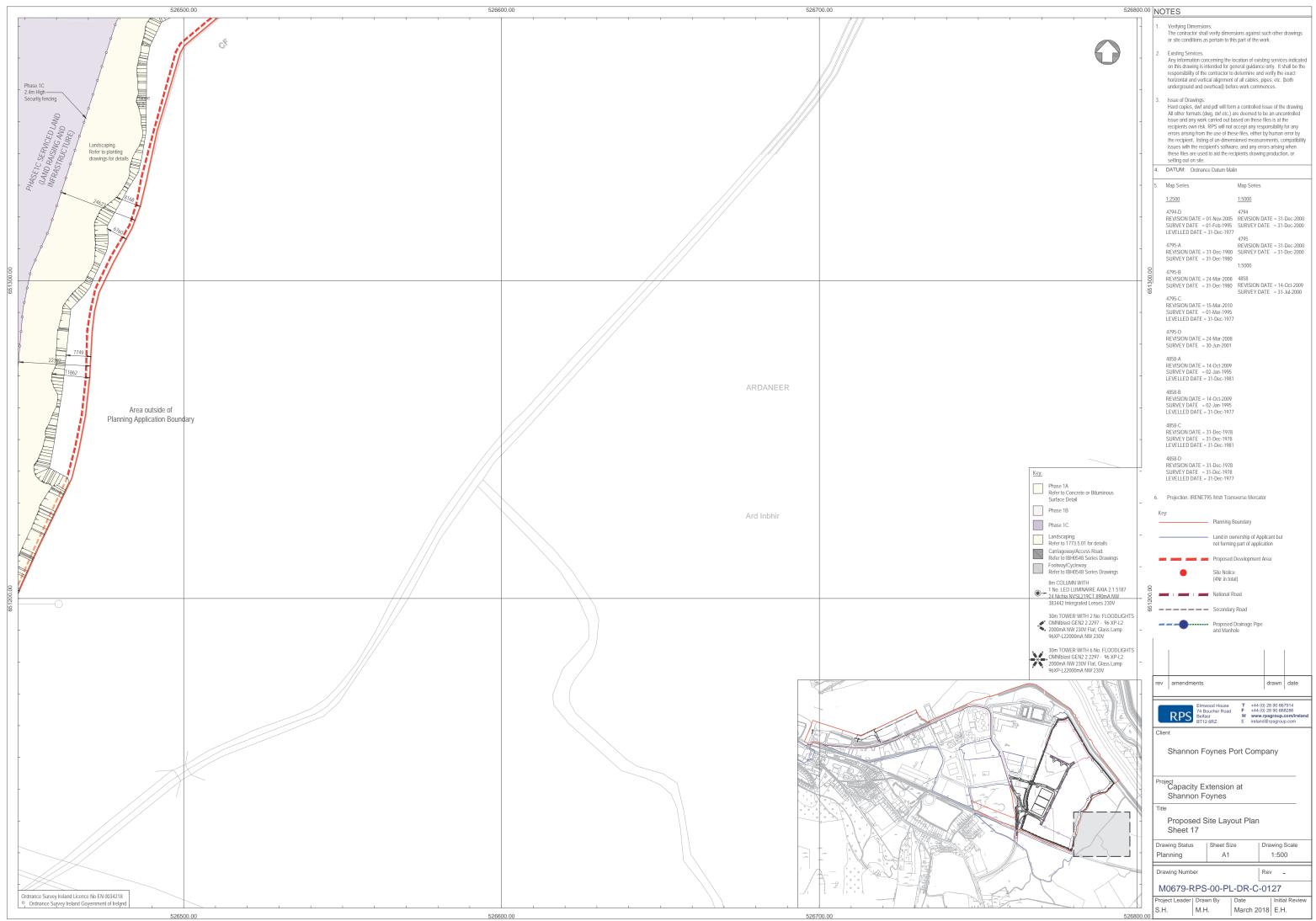
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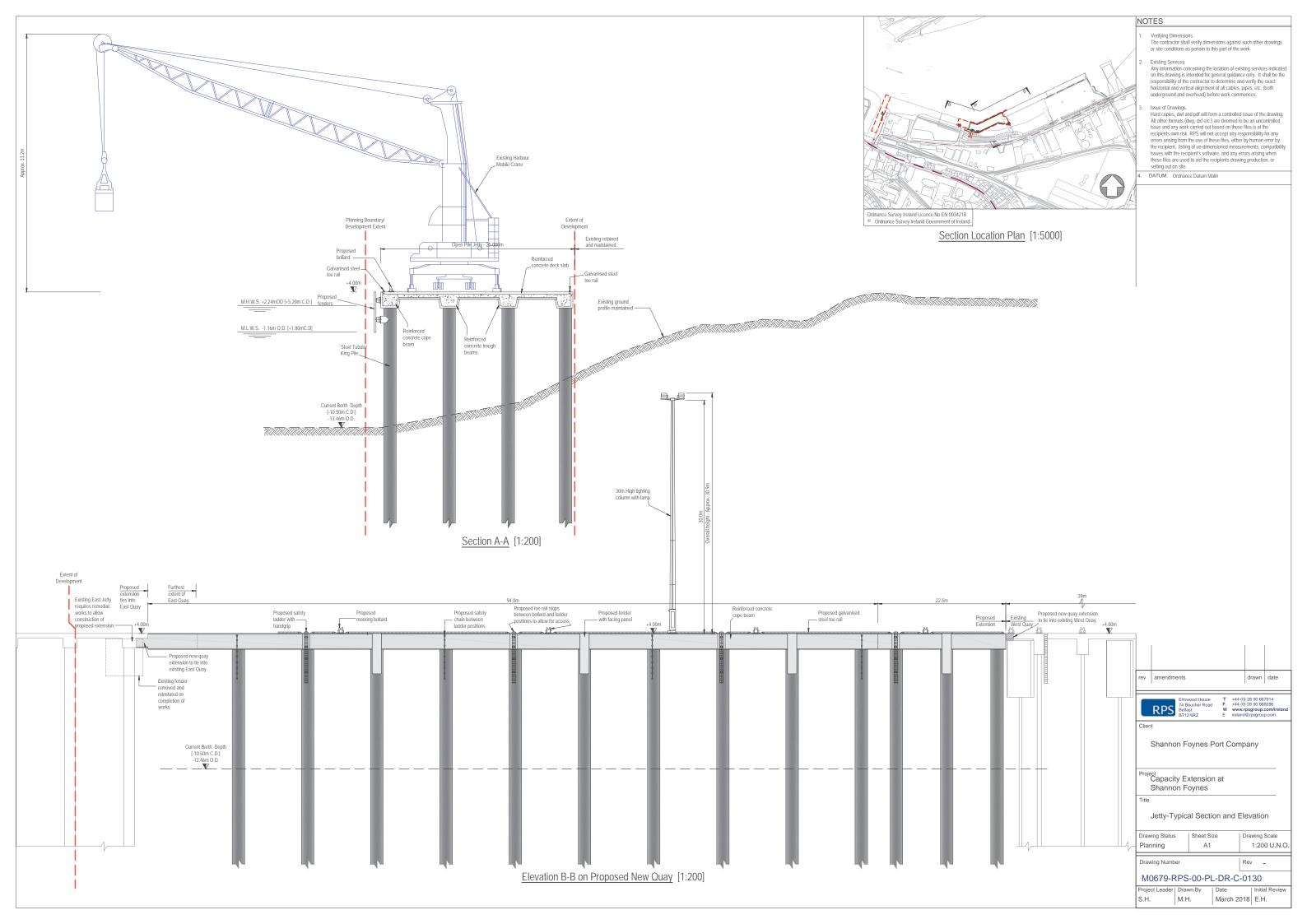






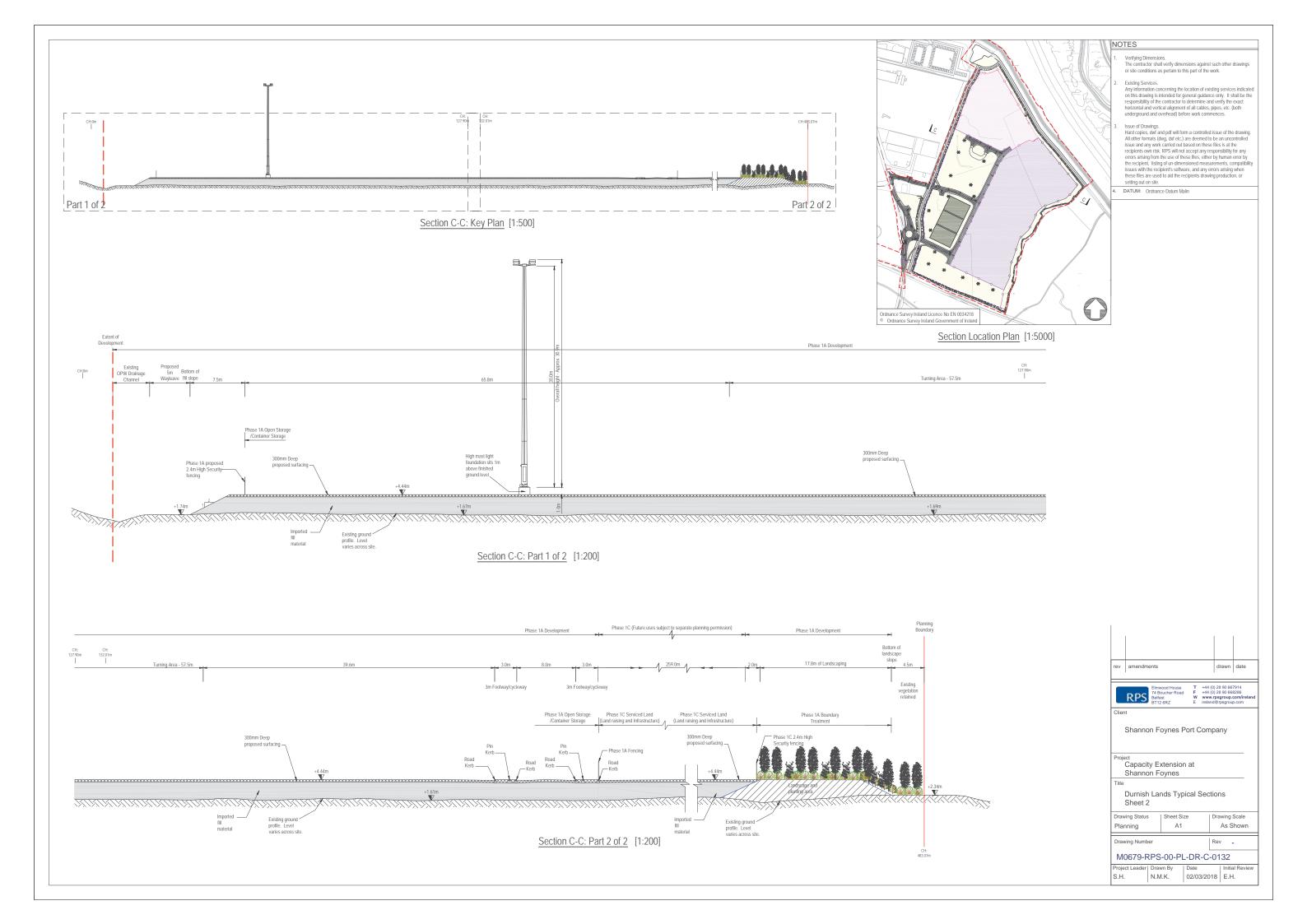


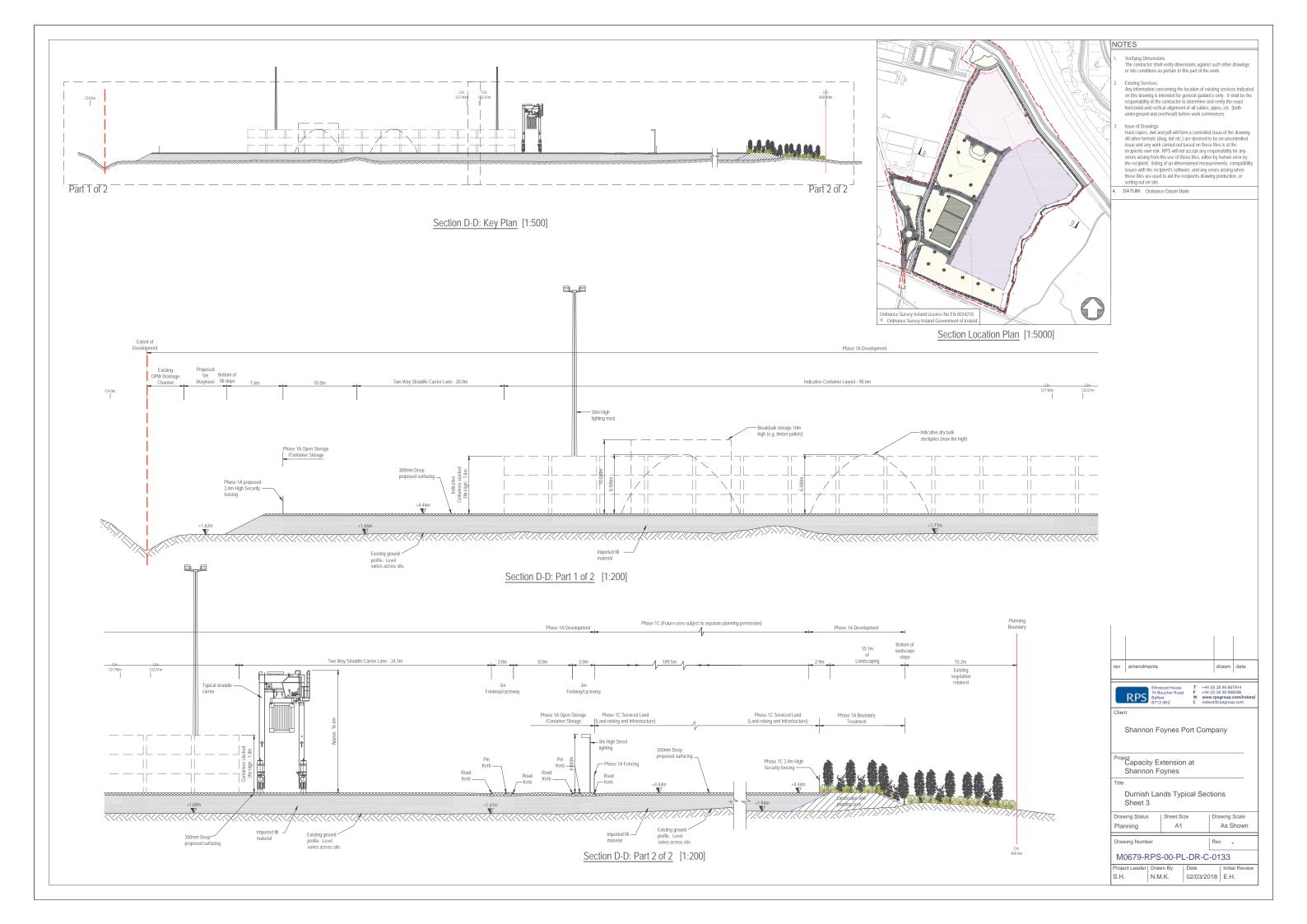


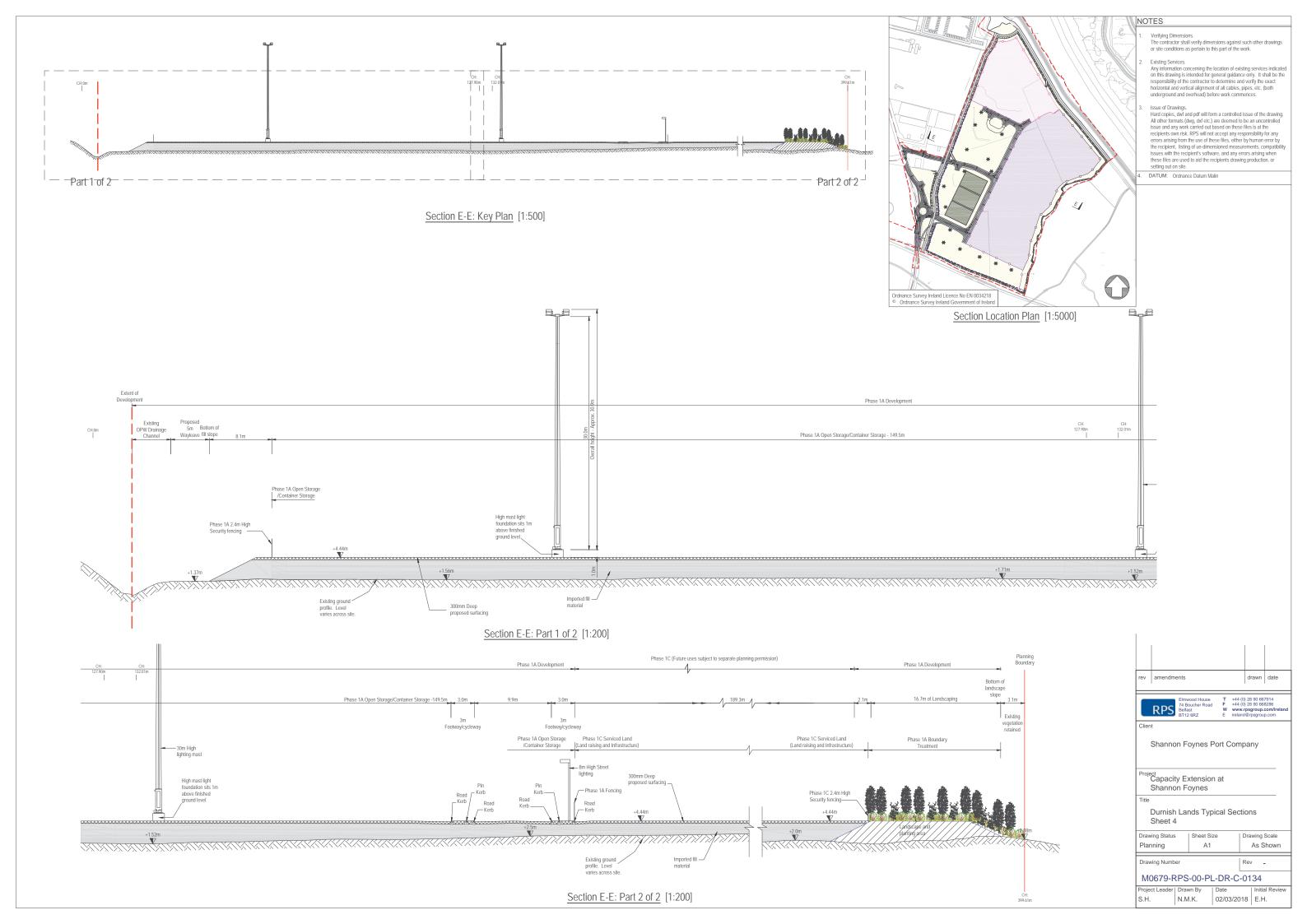


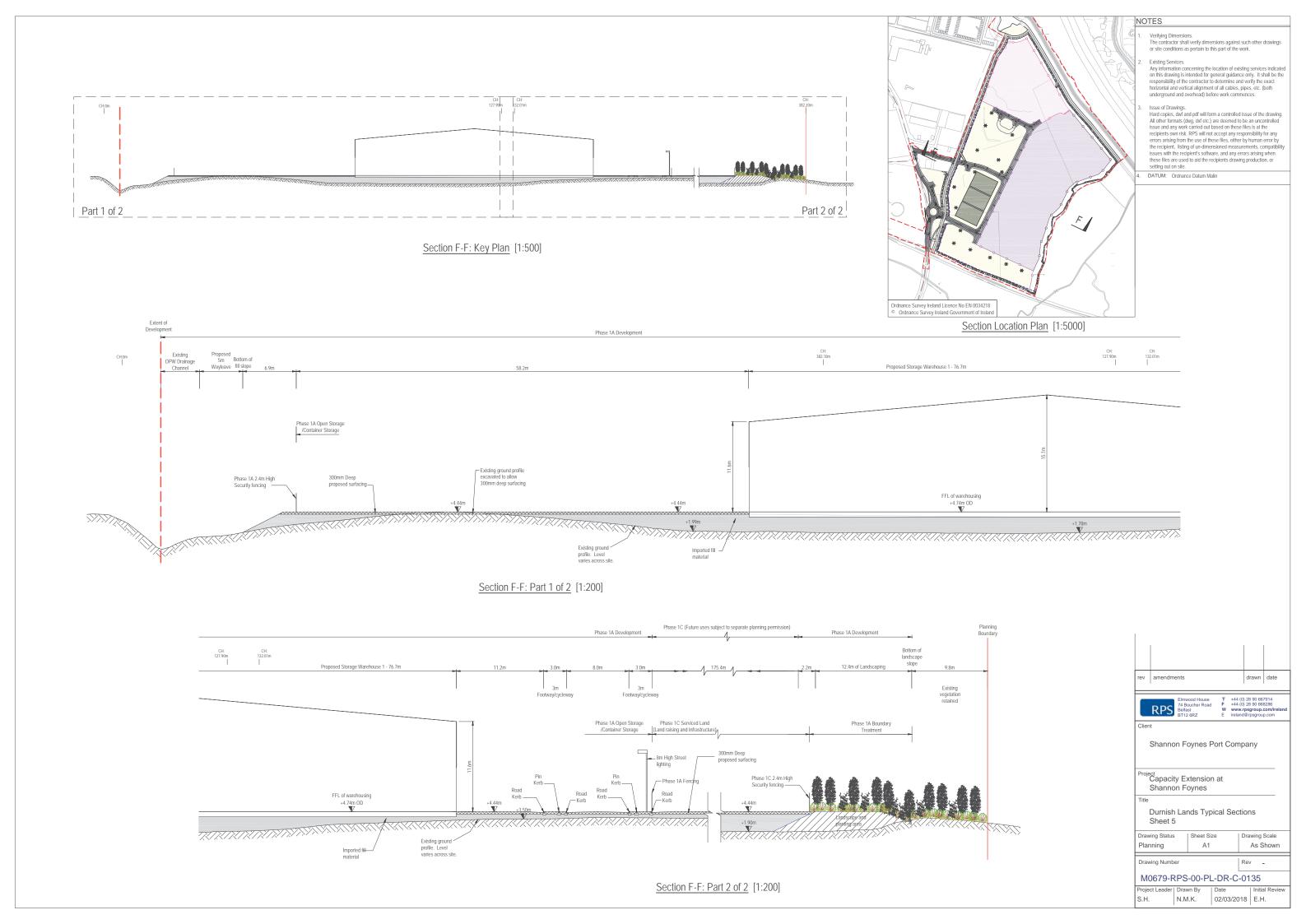


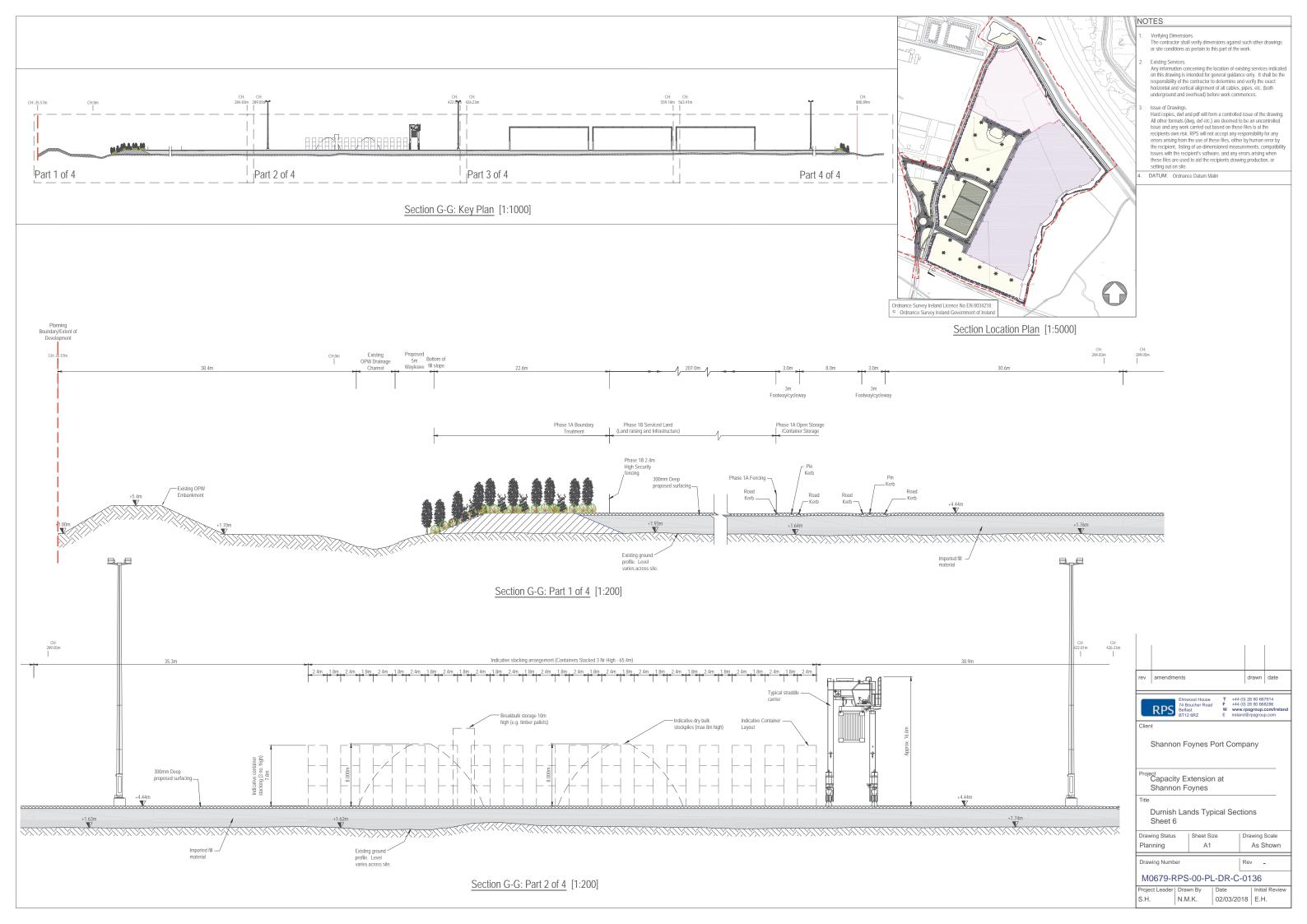




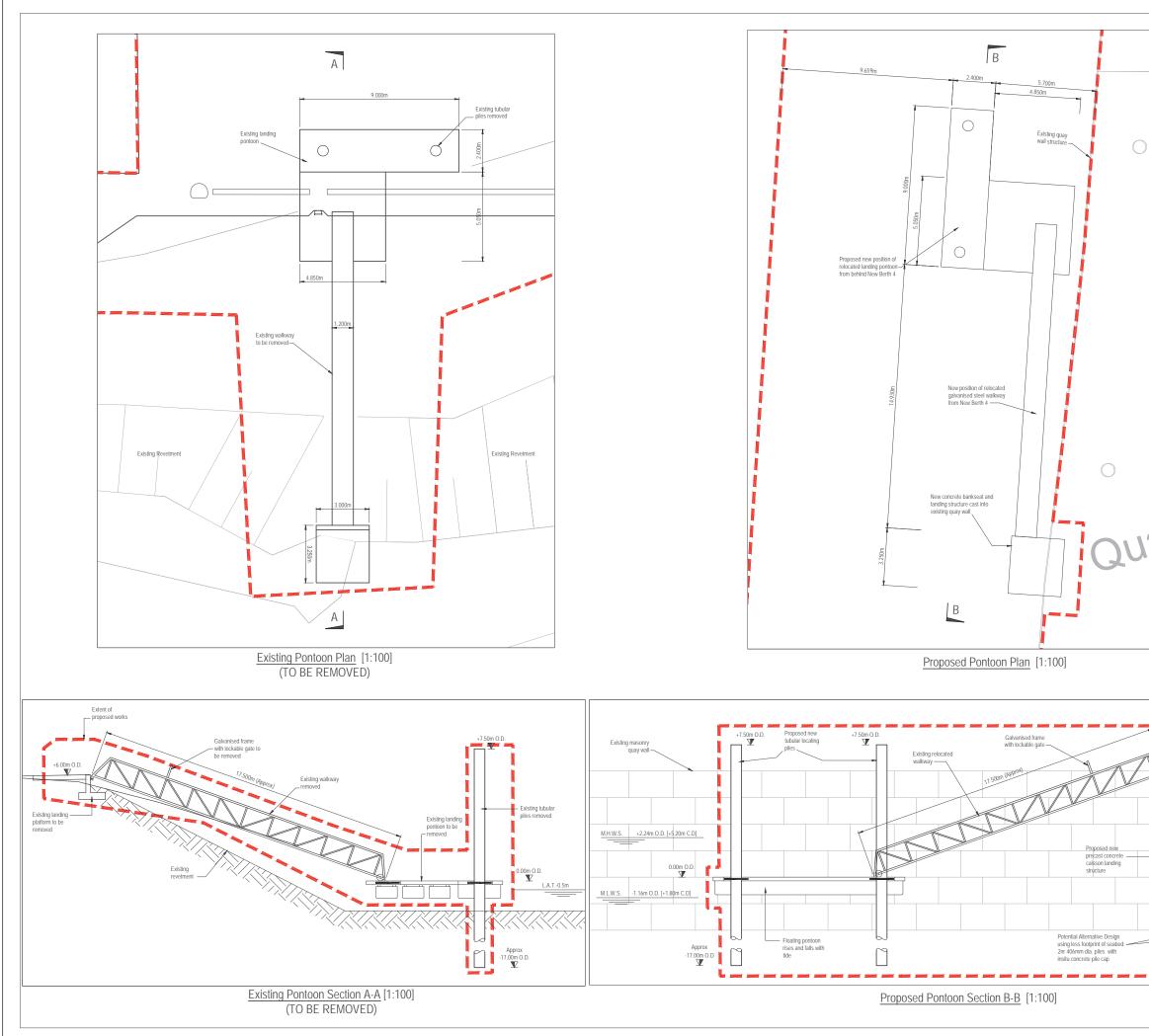




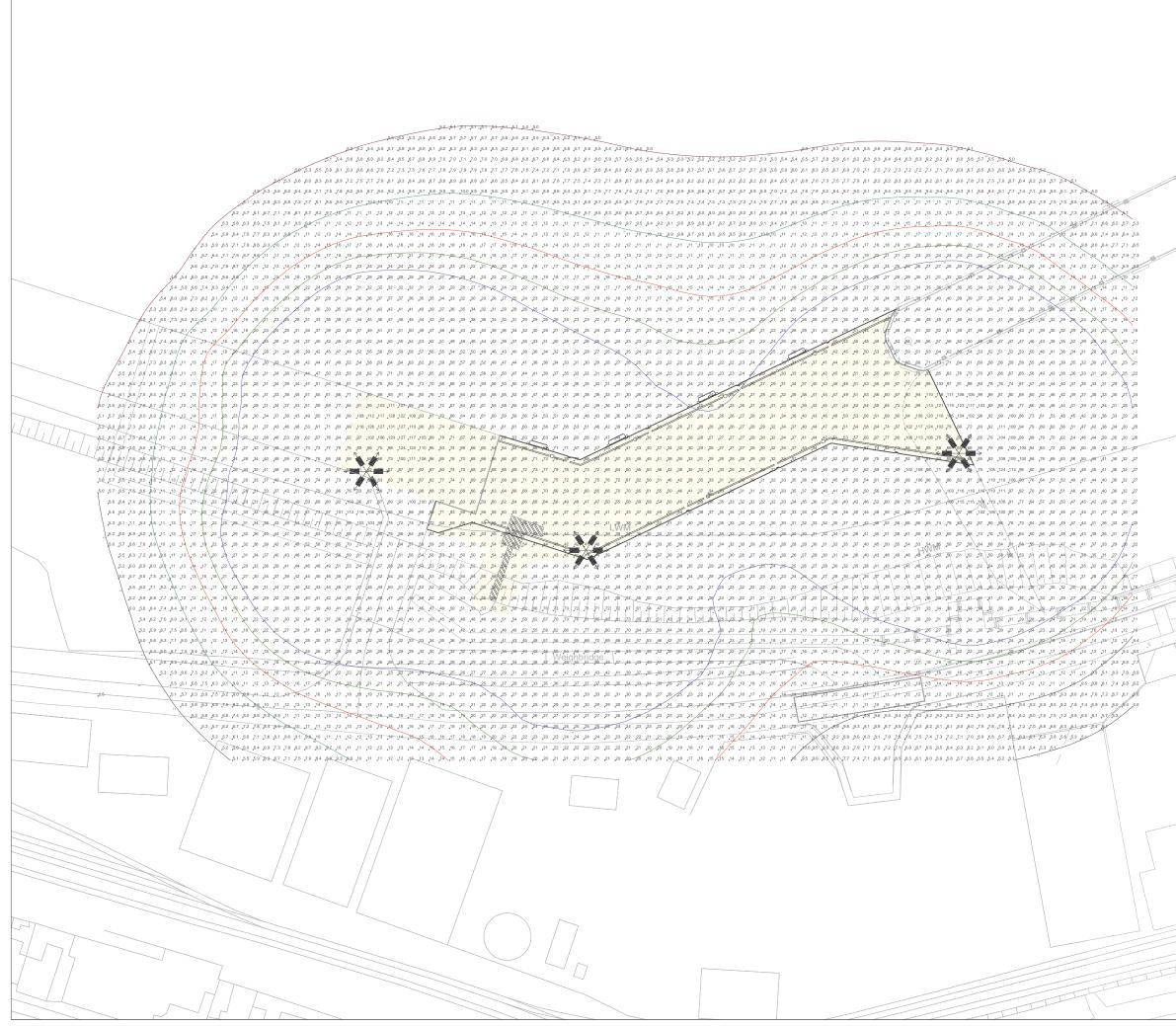




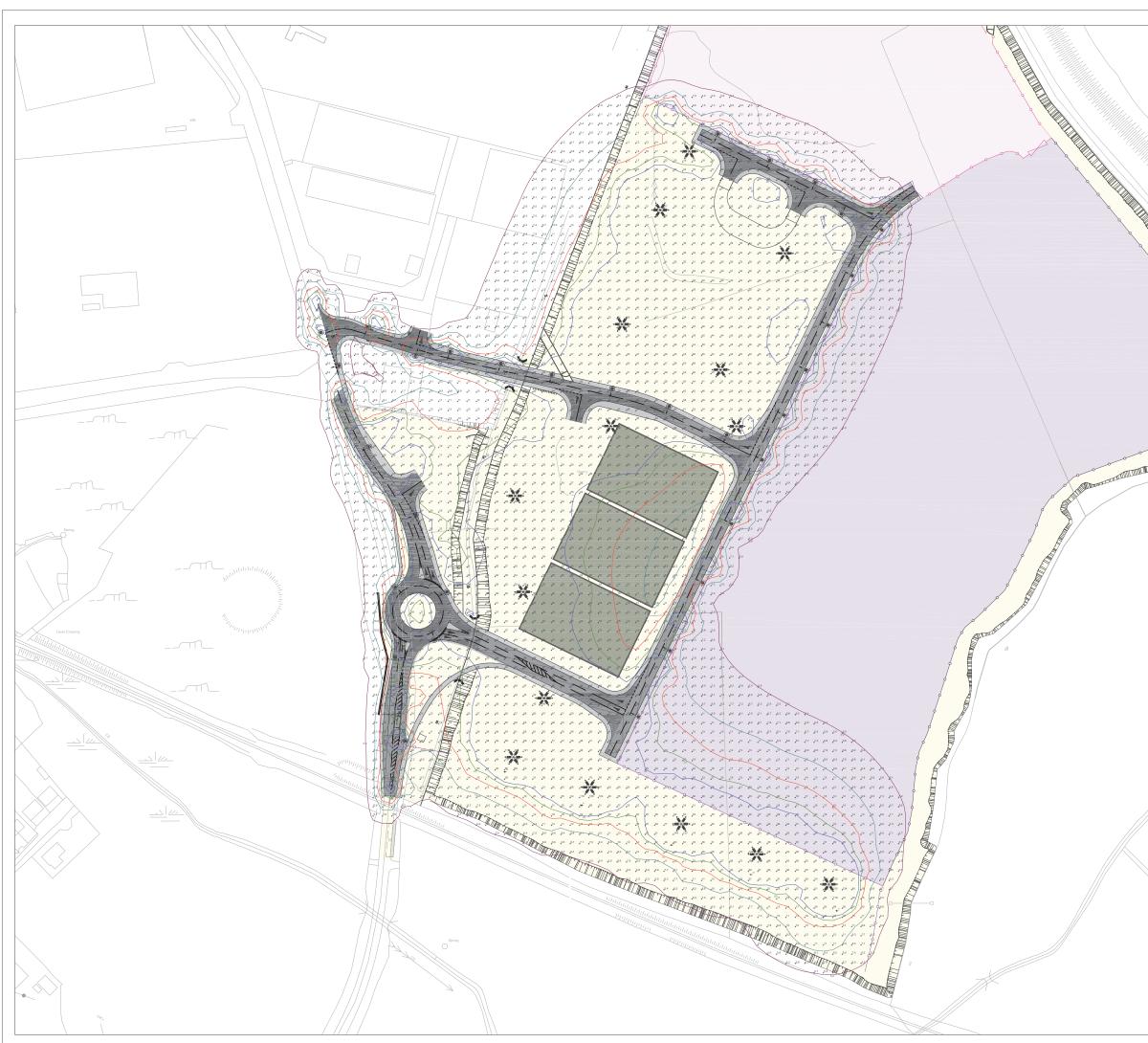




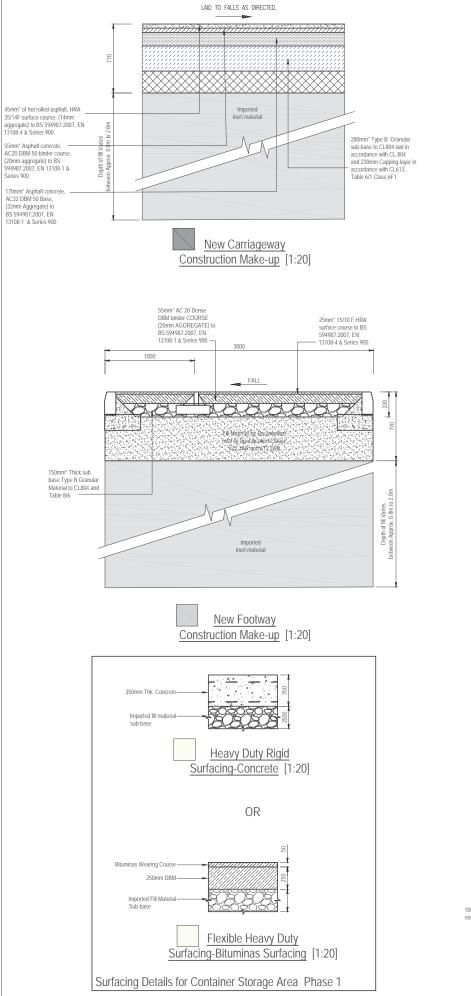
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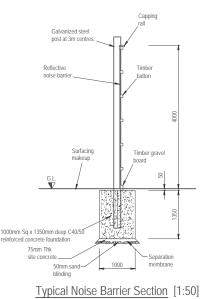


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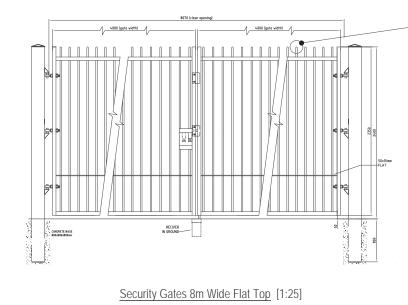
Horizontal wires: 5mm Dia

Colour: RAL 6000

Vertical wires: 5mm Dia 30mm cen Aperture Size: 200x25mm

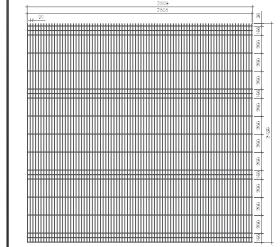
Finish: Polyester coating over a galvanised substrate

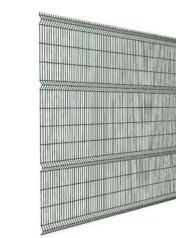
Security Fencing Details [1:20]





Perspective [N.T.S.]



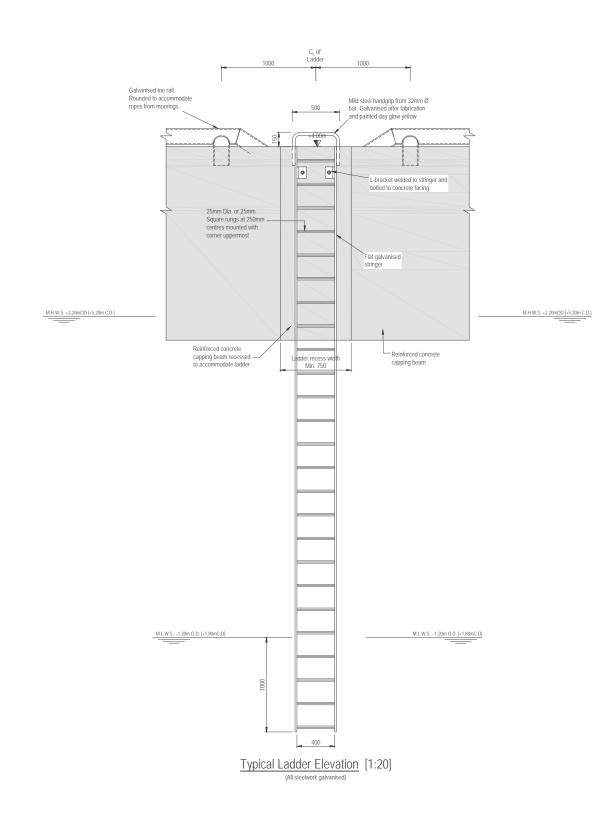


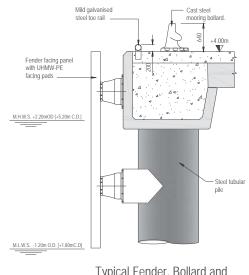


Perspe

Security Gates 8m Wide Flat Top-Typical Plan [1:25]

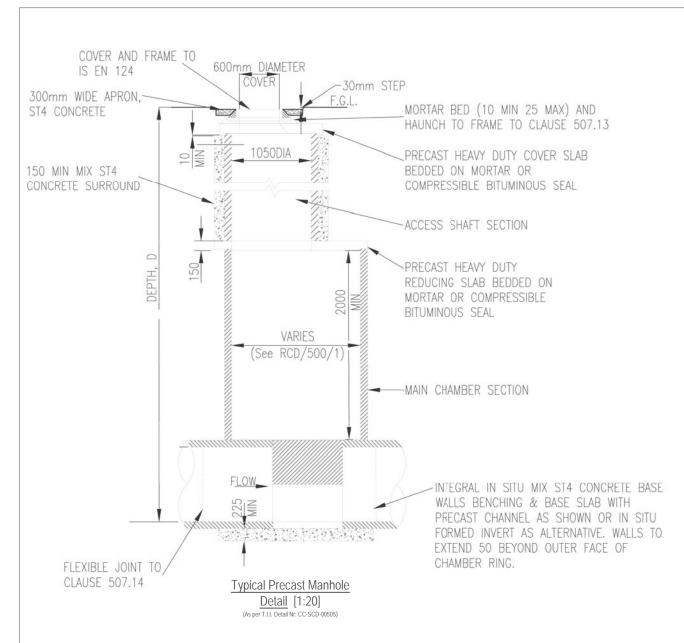
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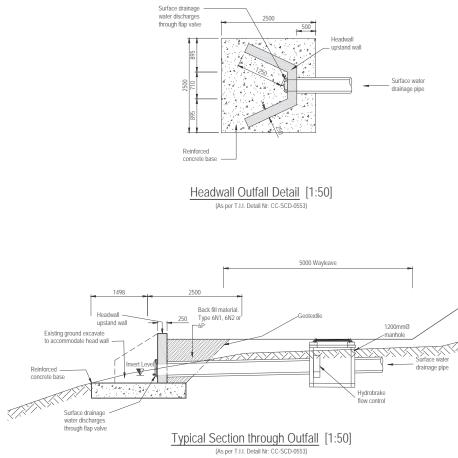




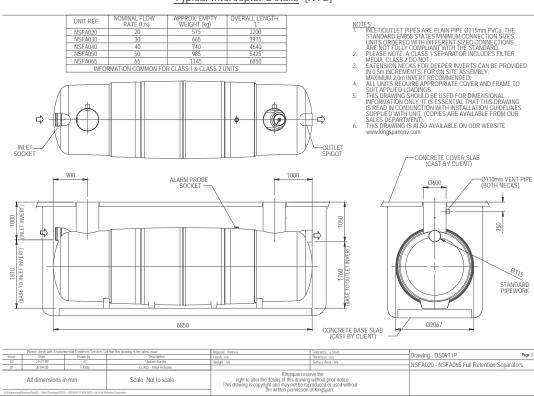
Typical Fender, Bollard and Toe Rail Arrangement [1:50]

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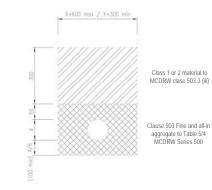




Typical Interceptor Details [NTS]



Page 1 of 1

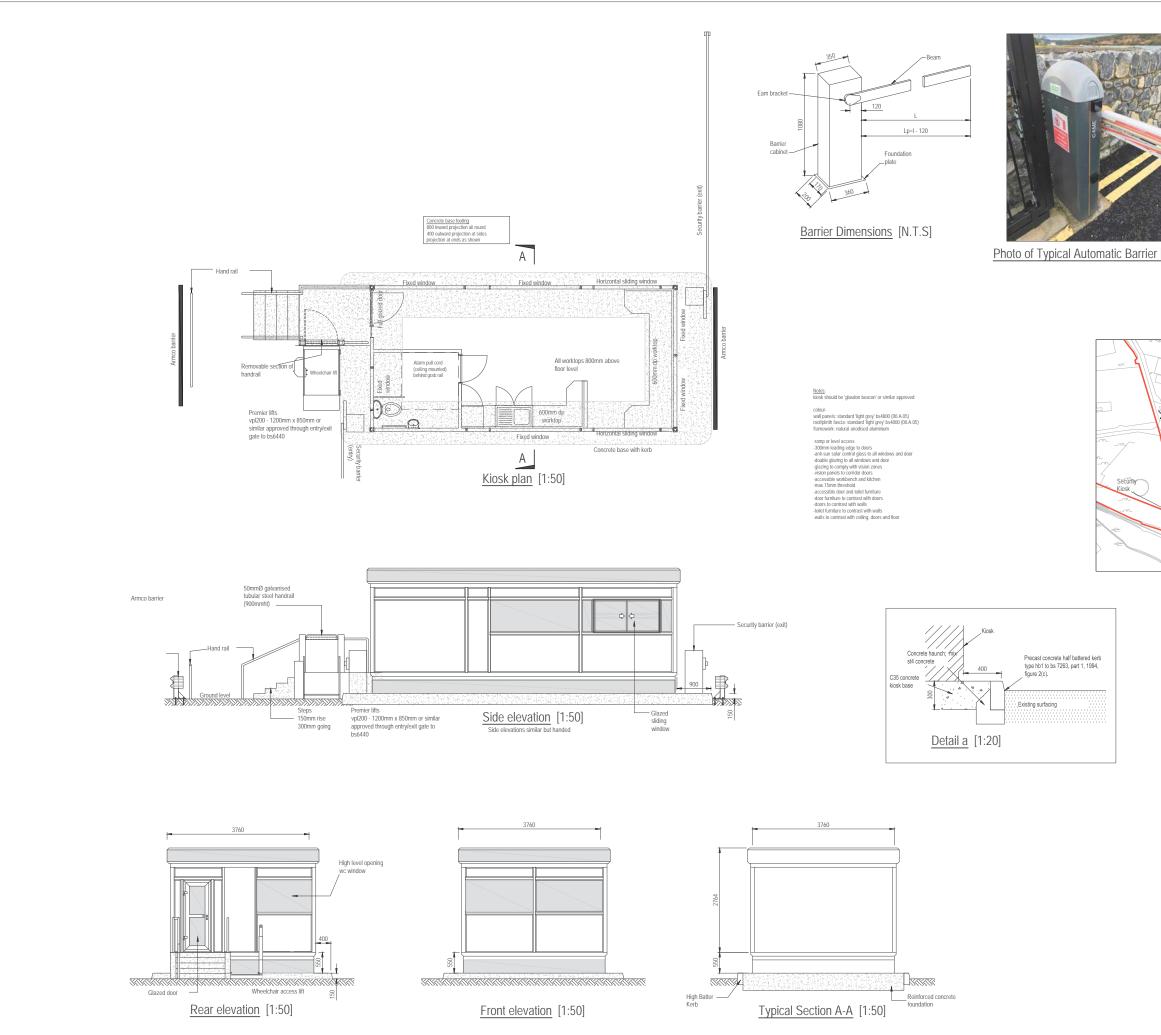




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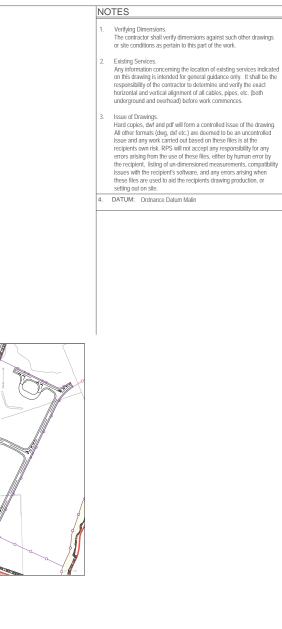
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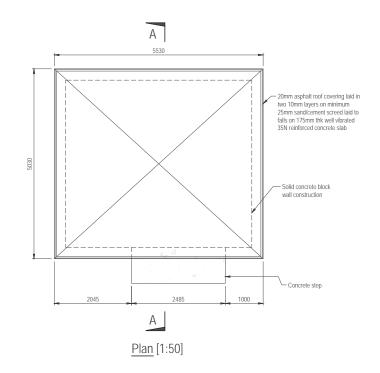


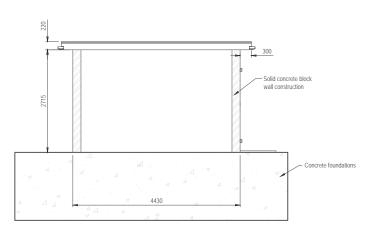


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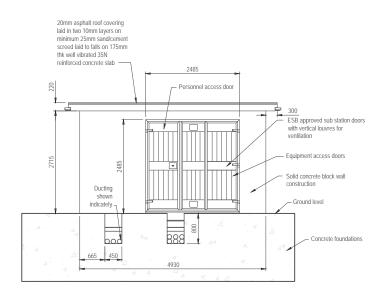


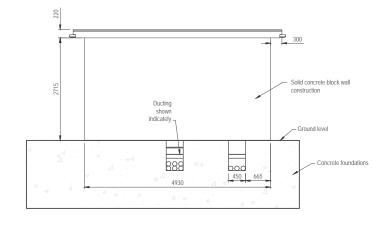
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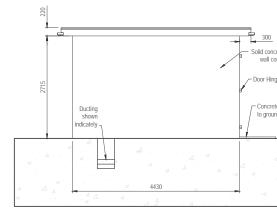


Section A'A [1:50]





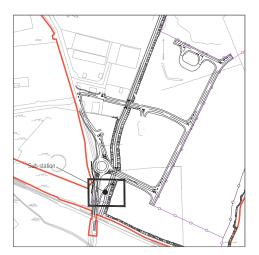
Back Elevation [1:50]

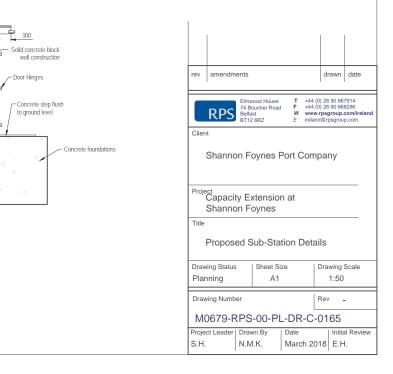


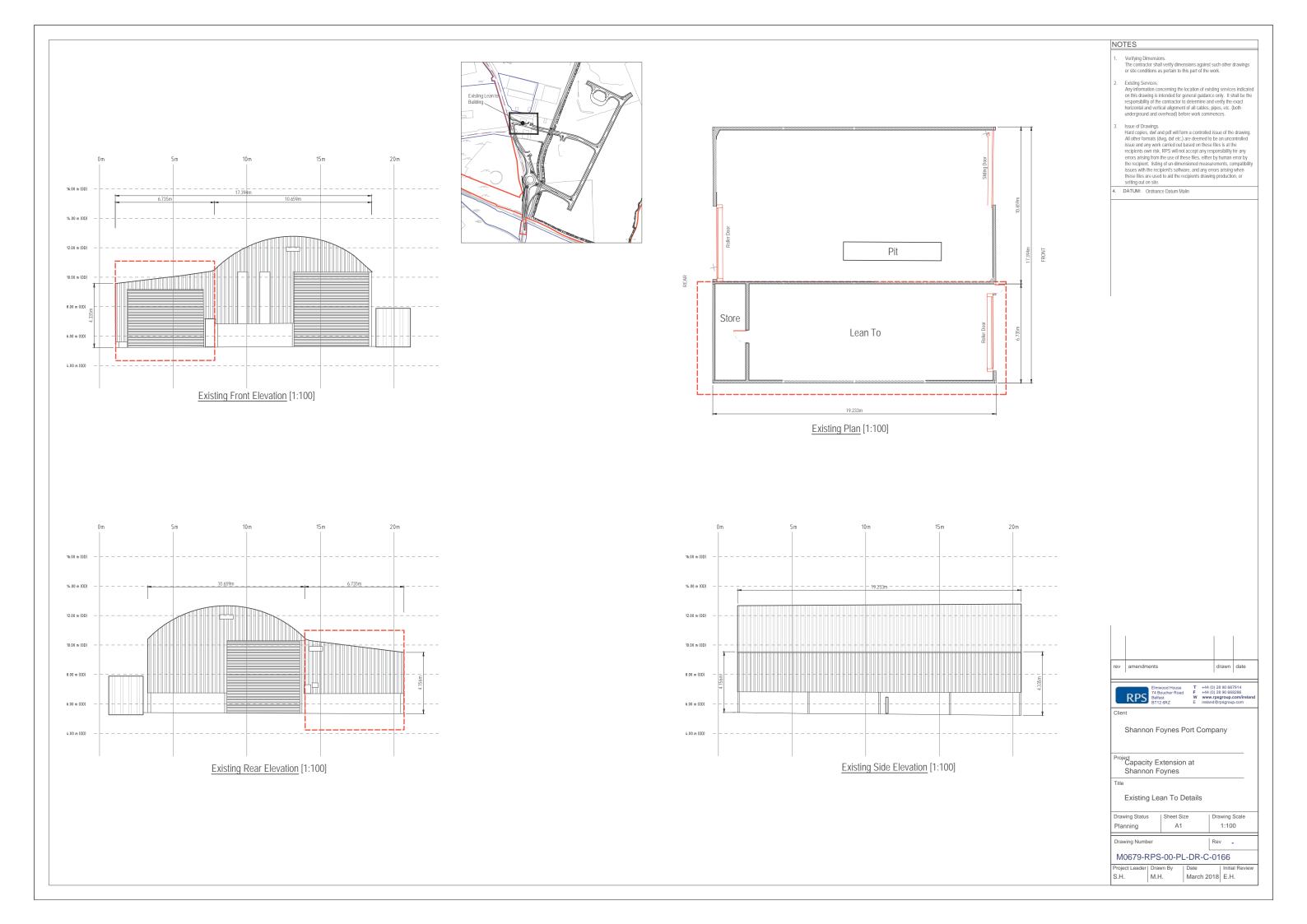
Side Elevation [1:50]

Front Elevation [1:50]

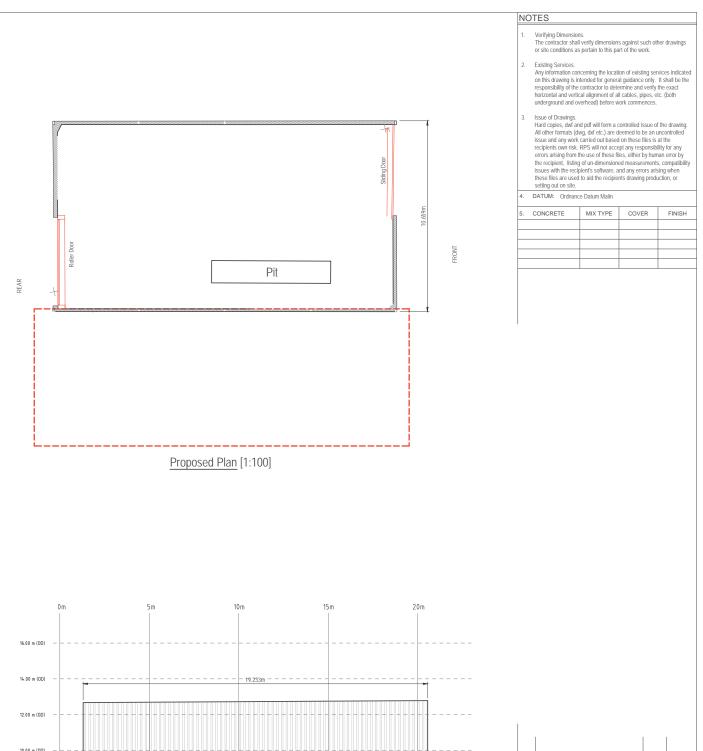
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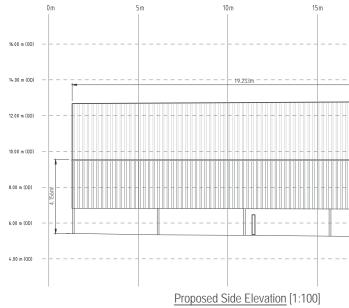






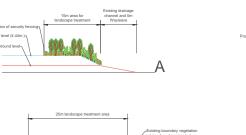
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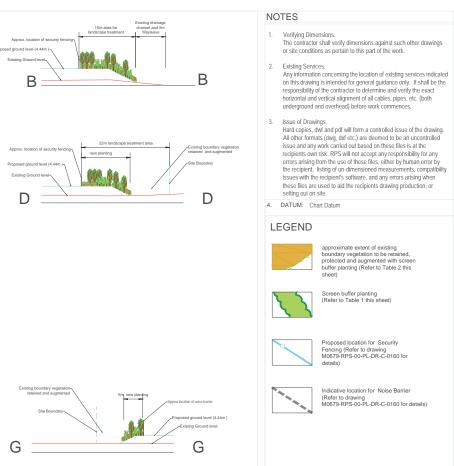


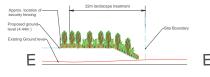


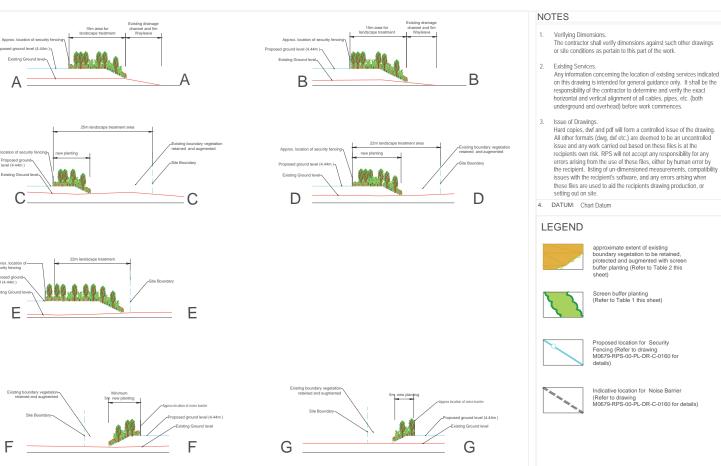
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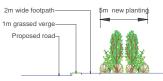






Indicative Sections Illustrating Proposed Boundary Treatments Scale 1:500

MOTE Height of planting indicated on the above sections is reflective of heights specified within Table 1 and Table 2 below at time of planting.



Indicative Section Illustrating Proposed Treatment to Western Boundary Scale 1:200

NOTE Height of planting indicated on the above sections is reflective of heights specified within Table 1 and Table 2 below at time of planting.

	anting					_				
Botanical Name	Height (cms) (min)	Root cond	Form Habit	Girth / Age	Nr. times transplanted	\$ pacing	% Mix	Planting Area Cod Total Area (M2) 1950		Tota
										1960
								Clearing Area (M2	0	0
					1.5			Area for Planting	195:00	19600
Betu a publesciens	Minimum 2.50om	Bare Root	Standard	8-10cm	2x Transplanted	3.0m	25%		539	539
Que rous robur	Minimum 4.250m	Bare Root	Extra Heavy Standard	14 - 14cm	3x Transplanted	3.0m	20%		431	431
Pinus sylvestis	80 - 100 cm	Rootballed	Leaderand Laterals		2x Transplanted	3.0m	15%	1	323	323
Crataegus monogvna	80 - 100 cm	Bare Root	Trans plant	1+1		1.0m	10%		1950	1960
Prunuis spihosa	60-80cm	Bare Root	Trans plant	1+1		1.0m	5%] [980	980
Corvius aveilana	60-30cm	Bare Root	Trans plant	1+1		1.0m	5%		950	980
lex aquifolium	60 - 80 cm	Container	Container grown, 3Lt Pot			1.0m	7.5%		1470	1470
Liquistrum vulgare	60 - 80 om	Bare Root	Transplant	1+1	Branched, 3 breaks	1.0m	5%		950	980
Prunus lauroperasus	40-60cm	Bare Root	Trans plant	0.00		1.0m	7.5%		1470	1470

Botanical Name	Height (oms) (min)	Root cond	Form Habit	Girth / Age	Nr. times transplanted	Spacing	% Mix	Planting Area Code		Tota
				T otal Area (1					4295	4295
				1			1	Clearing Area (M2)	0	0
								Area for Planting (M2)	4295	4295
Setula publescenis	Minimum 2.50cm	Bare Root	Standard	8 - 10cm	2x Transplanted	3.0m	15%		71	71
Phus sylvestis	80 - 1 00cm	Rootballed	Leader and Laterals		2x Transpanted	3.0m	15%		71	71
Cratae qua mono gvin a	80 - 1 00cm	Bare Root	Transplant	1+1		1.9m	25%		1074	1074
Prunus solhoisa	60 - 80cm	Bare Root	Transg ant	1+1	21	1.0m	5%		215	215
Con/Lis avelana	60 - 80cm	Bare Root	Transp Brit	1+1	3	1.0m	15%		644	644
lex acuitolium	60 ~ 80cm	Container	Container grown, 3Lt Pot	* C		1.0m	15%		644	644
bustrum vulgare	60 - 800m	Bare Root	Transplant	1+1	Branched, 3 breaks	1.0m	5%		215	215
Prunus laurocerasu a	40 - 600m	Bare Root	Transplant		2	1.0m	5%	1	215	215

Proposed Boundary Treatment Plan Scale 1:2500

S.H

S.A.

NOTE: Proposed eastern boundary treatment to consist of existing retained vegetation (to the augmented) of varying width and new screen buffer planting of varying width to provide 20m - 24m wide area for landscape treatment.

Height of planting indicated on sections is at time of planting as per the schedules on this sheet. Mature heights of planting varies, dependant on species; Shrubs mature heights = 3 - 5m tall Tree mature heights = 10 - 20m tall

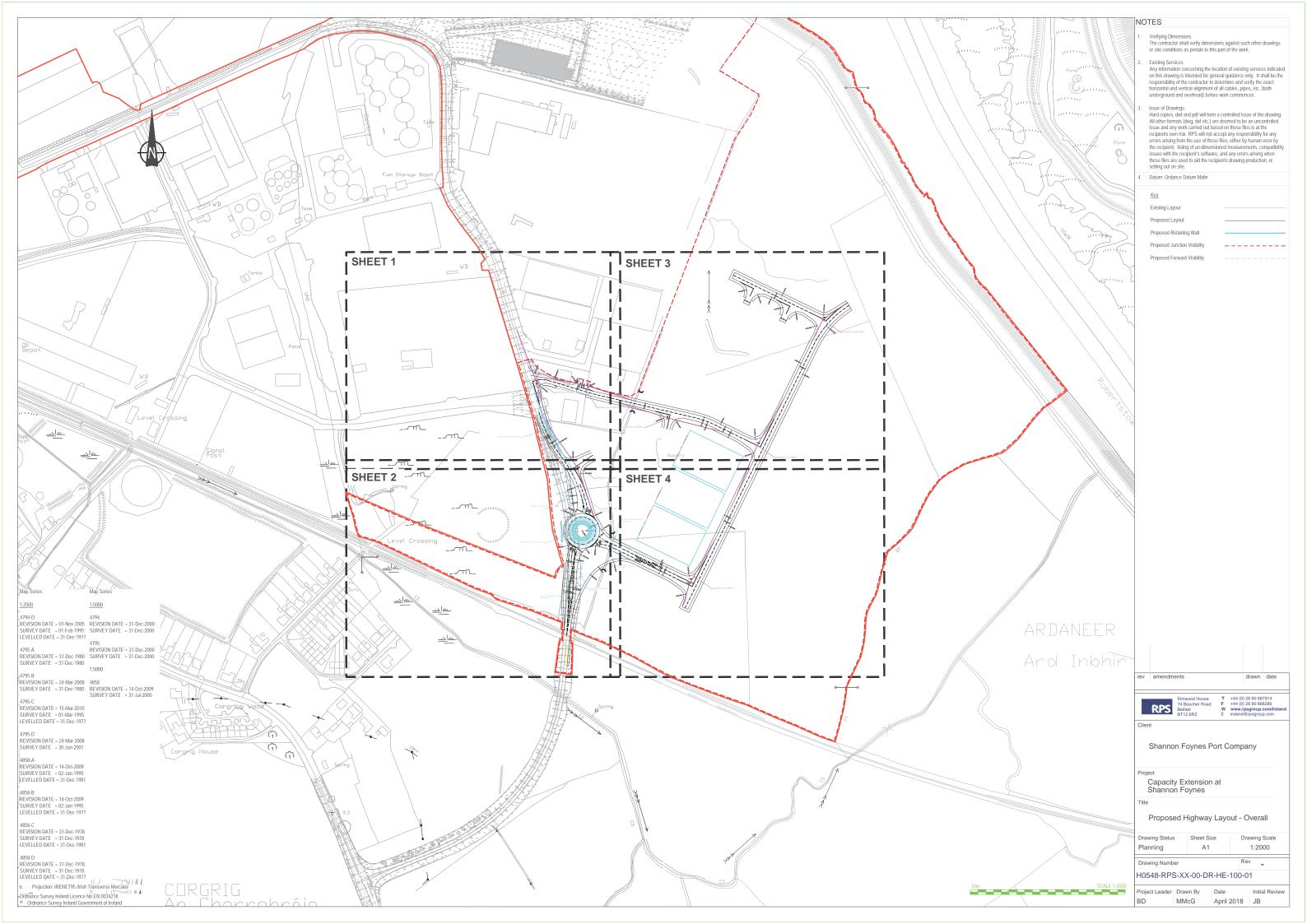
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н	Layout updated	to reflect alterations to layou	t		S.A	20.04.18		

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March 2018 R.H

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	IBH0548	RPS-XX-00-DR-HE-100-02	Proposed Layout Sheet 2 of 5	
	IBH0548	RPS-XX-00-DR-HE-100-03	Proposed Layout Sheet 3 of 5	
	IBH0548	RPS-XX-00-DR-HE-100-04	Proposed Layout Sheet 4 of 5	
	IBH0548	RPS-XX-00-DR-HE-100-05	Proposed Layout Sheet 5 of 5	
	IBH0548	RPS-XX-00-DR-HE-100-06	Proposed Tracking	
	IBH0548	RPS-XX-00-DR-HE-110-01	Proposed Road Markings - Overall	
	IBH0548	RPS-XX-00-DR-HE-110-02	Proposed Road Markings - Sheet 1 of 4	
	IBH0548	RPS-XX-00-DR-HE-110-03	Proposed Road Markings - Sheet 2 of 4	
	IBH0548	RPS-XX-00-DR-HE-110-04	Proposed Road Markings - Sheet 3 of 4	
	IBH0548	RPS-XX-00-DR-HE-110-05	Proposed Road Markings - Sheet 4 of 4	
	IBH0548	RPS-XX-00-DR-HE-130-01	Proposed Longsection - Sheet 1 of 4	
	IBH0548	RPS-XX-00-DR-HE-130-02	Proposed Longsection - Sheet 2 of 4	
	IBH0548	RPS-XX-00-DR-HE-130-03	Proposed Longsection - Sheet 3 of 4	
	IBH0548	RPS-XX-00-DR-HE-130-04	Proposed Longsection - Sheet 4 of 4	
	IBH0548	RPS-XX-00-DR-HE-140-01	Proposed Cross Section (MC10) -Sheet 1 of 2	
	IBH0548	RPS-XX-00-DR-HE-140-01	Proposed Cross Section (MC10) -Sheet 2 of 2	
	IBH0548	RPS-XX-00-DR-HE-140-02	Proposed Cross Section (MC20) -Sheet 1 of 3	
	IBH0548	RPS-XX-00-DR-HE-140-03	Proposed Cross Section (MC20) -Sheet 2 of 3	
	IBH0548	RPS-XX-00-DR-HE-140-04		
	IBH0548		Proposed Cross Section (MC20) -Sheet 3 of 3 Proposed Cross Section (MC40) -Sheet 1 of 2	1
		RPS-XX-00-DR-HE-140-06		
	IBH0548	RPS-XX-00-DR-HE-140-07	Proposed Cross Section (MC40) -Sheet 2 of 2	
	IBH0548 IBH0548	RPS-XX-00-DR-HE-140-08 RPS-XX-00-DR-HE-140-09	Proposed Cross Section (MC30) -Sheet 1 of 2 Proposed Cross Section (MC30) -Sheet 2 of 2	
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	IBH0548	RPS-XX-00-DR-HE-140-09	Typical Cross Sections	
	IBH0548	RPS-XX-00-DR-HE-400-01	Proposed Road Restraint Systems	
	IBH0548	RPS-XX-00-DR-HE-500-01	Proposed Drainage Layout - Overall	
	IBH0548	RPS-XX-00-DR-HE-500-02	Proposed Drainage Layout - Sheet 1 of 4	
	IBH0548	RPS-XX-00-DR-HE-500-03	Proposed Drainage Layout - Sheet 2 of 4	
	IBH0548	RPS-XX-00-DR-HE-500-04	Proposed Drainage Layout - Sheet 3 of 4	
	IBH0548	RPS-XX-00-DR-HE-500-05	Proposed Drainage Layout - Sheet 4 of 4	
	10110540		Descend Coloret Datell, Development Assess, Chart 4 of 2	
	IBH0548 IBH0548	RPS-XX-00-DR-HE-510-01	Proposed Culvert Detail - Roundabout Access - Sheet 1 of 2	
	IDHU346	RPS-XX-00-DR-HE-510-02	Proposed Culvert Detail - Roundabout Access - Sheet 2 of 2	
	IBH0548	RPS-XX-00-DR-HE-700-01	Proposed Road Pavements - Overall	
	IBH0548	RPS-XX-00-DR-HE-700-02	Proposed Road Pavements - Sheet 1 of 4	
	IBH0548	RPS-XX-00-DR-HE-700-03	Proposed Road Pavements - Sheet 2 of 4	
	IBH0548	RPS-XX-00-DR-HE-700-04	Proposed Road Pavements - Sheet 3 of 4	
	IBH0548	RPS-XX-00-DR-HE-700-05	Proposed Road Pavements - Sheet 4 of 4	
	IBH0548	RPS-XX-00-DR-HE-1100-01	Proposed Kerbs, Footways and Paved Areas - Overall	
	IBH0548	RPS-XX-00-DR-HE-1100-02	Proposed Kerbs, Footways and Paved Areas - Sheet 1 of 4	
	IBH0548	RPS-XX-00-DR-HE-1100-03	Proposed Kerbs, Footways and Paved Areas - Sheet 2 of 4	
	IBH0548	RPS-XX-00-DR-HE-1100-04	Proposed Kerbs, Footways and Paved Areas - Sheet 3 of 4	
	IBH0548	RPS-XX-00-DR-HE-1100-05	Proposed Kerbs, Footways and Paved Areas - Sheet 4 of 4	
	IBH0548	RPS-XX-00-DR-HE-1200-01	Proposed Construction Details	

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	Project Leader BD	Drawn By MMcG	Date April 2018	Initial Review JB

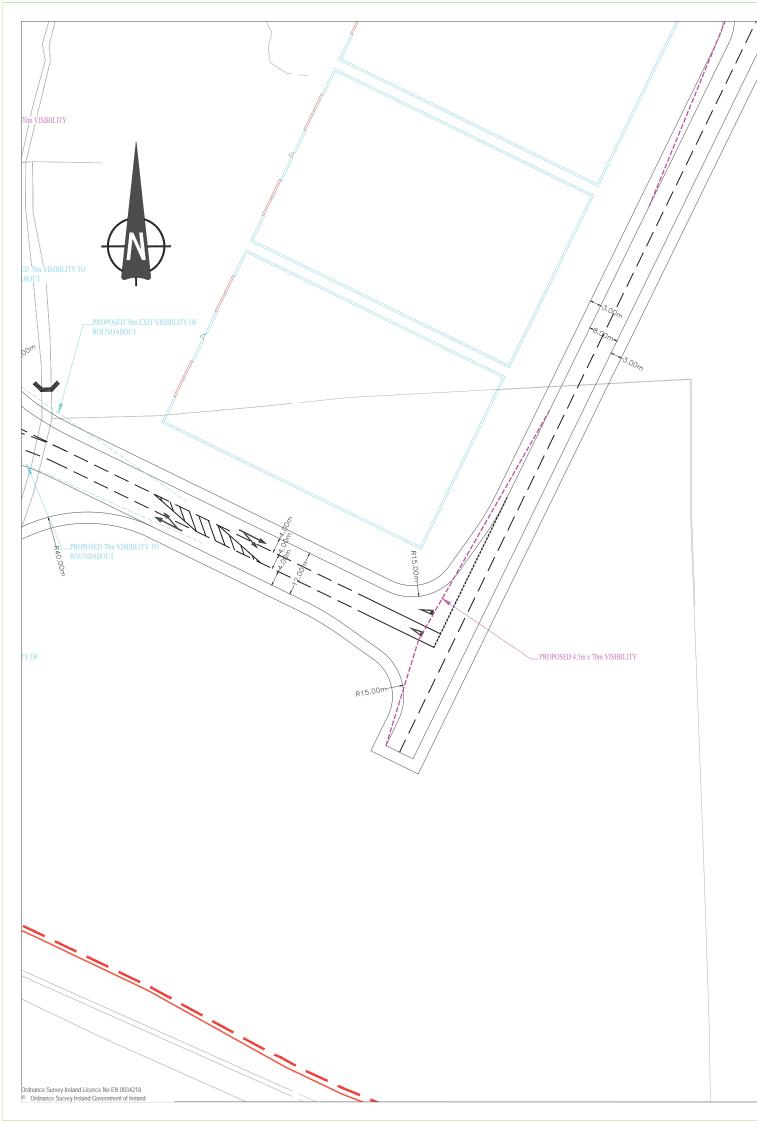


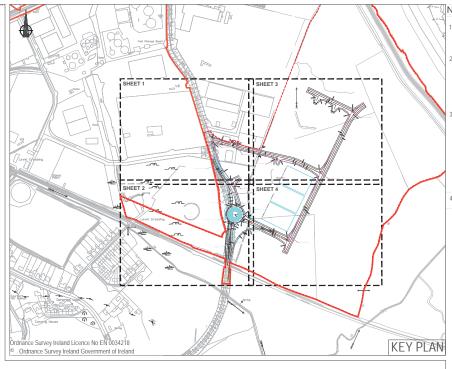






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Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.

Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.

Issue of Drawings. Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg, dd etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site.

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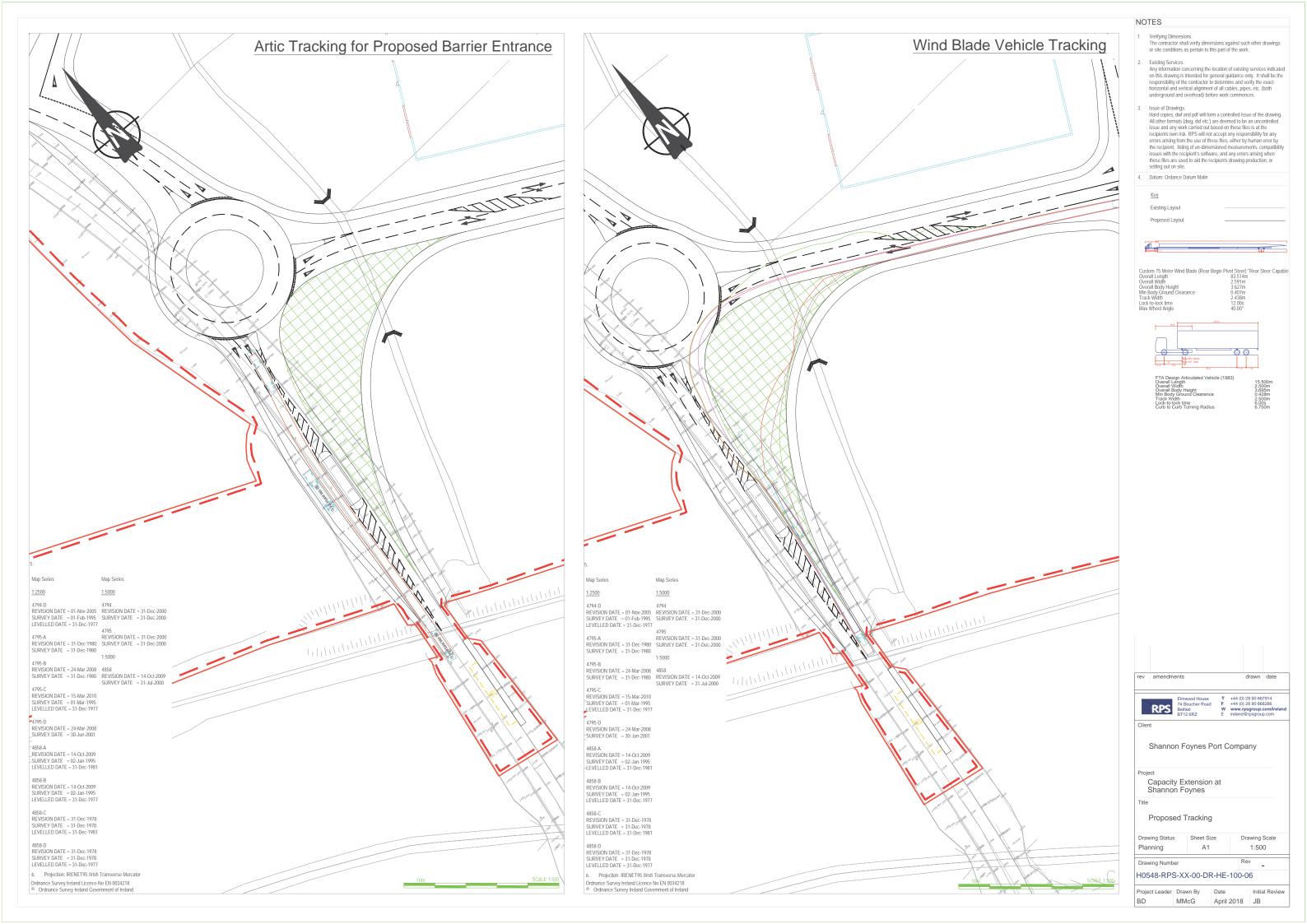
Existing Layout

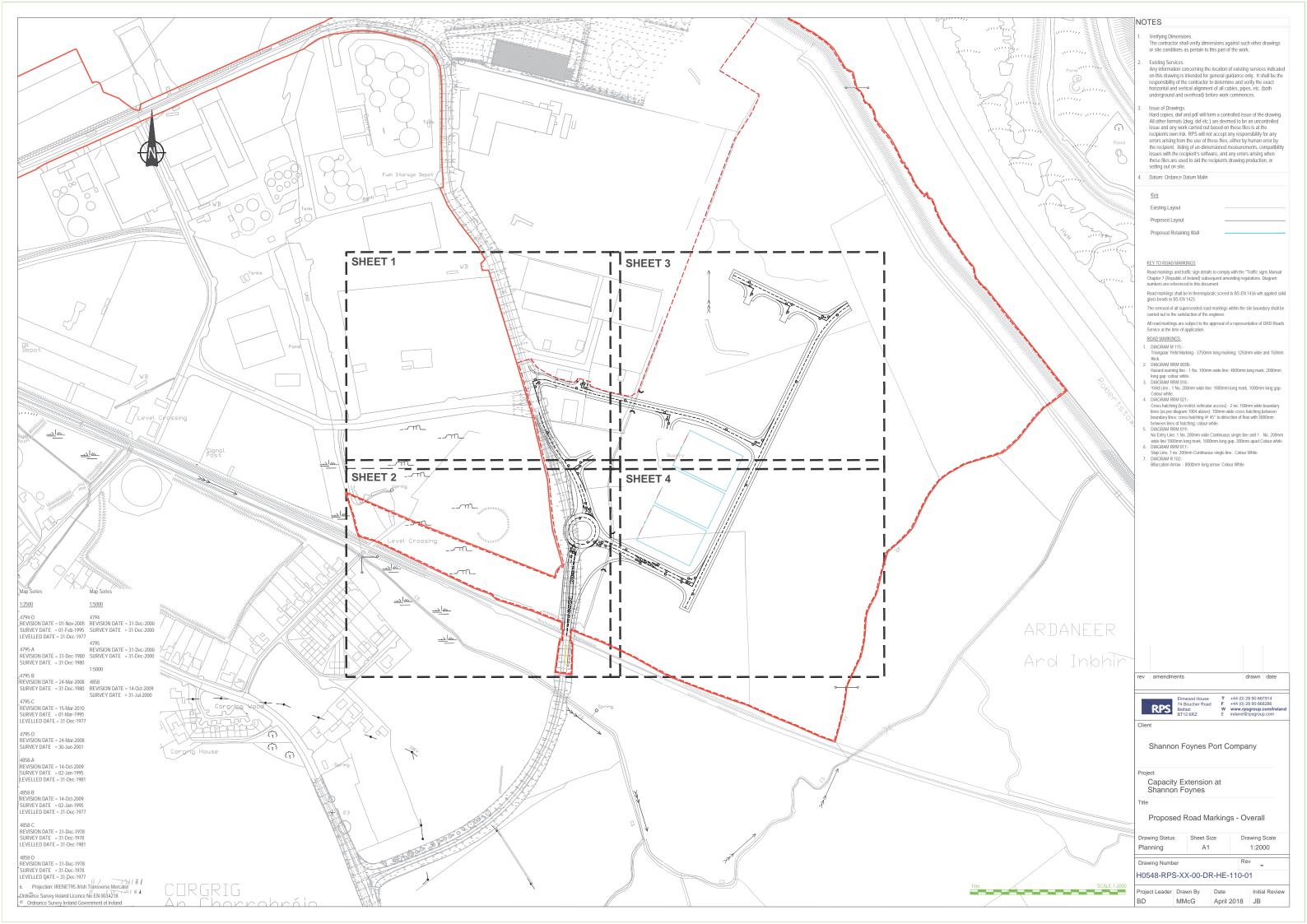
Proposed Layout

Proposed Retaining Wall

Proposed Junction Visibility Proposed Forward Visibility

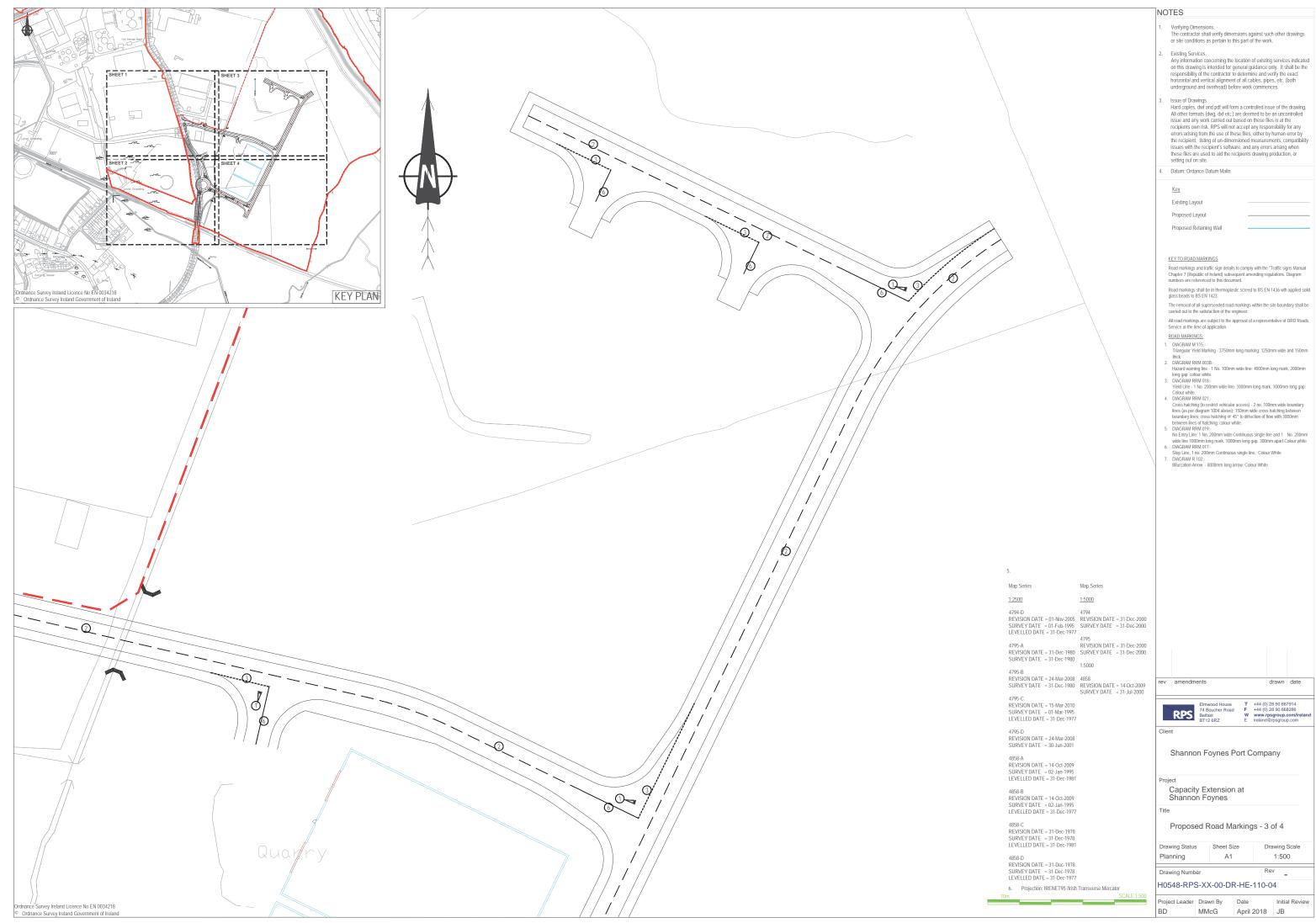


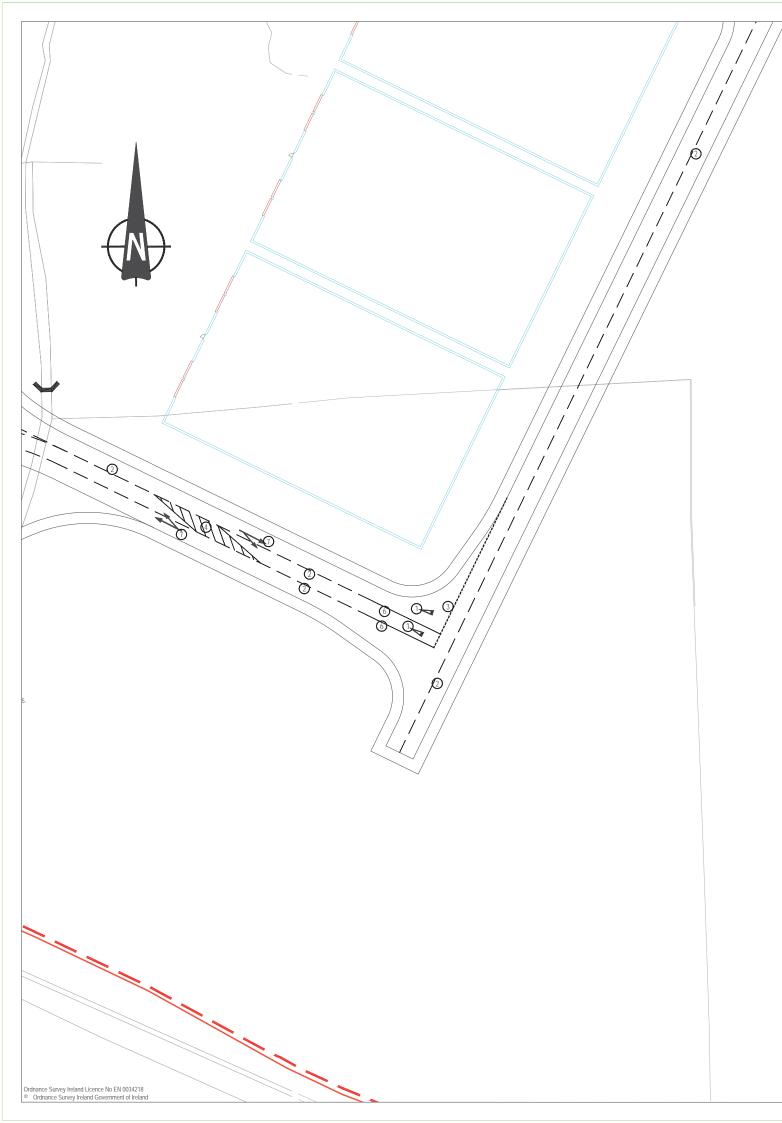


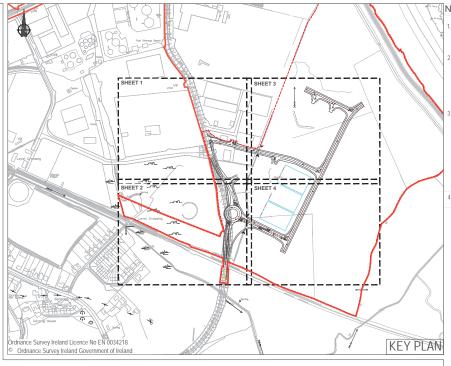












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Key

Existing Layout

Proposed Layout

Proposed Retaining Wall

KEY TO ROAD MARKINGS

Road markings and traffic sign details to comply with the "Traffic signs Manual Chapter 7 (Republic of Ireland) subsequent amending regulations. Diagram numbers are referenced to this document.

Road markings shall be in thermoplastic screed to BS EN 1436 wth applied solid glass beads to BS EN 1423.

The removal of all superseeded road markings within the site boundary shall be carried out to the satisfaction of the engineer.

All road markings are subject to the approval of a representative of DRD Roads Service at the time of application.

ROAD MARKINGS:

- ROAD MARKINGS:

 1. DIAGRAM M 115:-Trifangular Yield Making 3750mm long marking; 1250mm wide and 150mm thick.

 1. DIAGRAM RRM 0038:-Hazard warning line 1 No. 100mm wide line; 4000mm long mark, 2000mm long apr. colour white.

 3. DIAGRAM RRM 018:-Yield Line 1 No. 200mm wide line; 1000mm long mark, 1000mm long gap: Colour white.

 4. DIAGRAM RRM 018:-Yield Line 1 No. 200mm wide line; 1000mm long mark, 1000mm long gap: Colour white.

 5. DIAGRAM RRM 019:-Diagram 104 above); 150mm wide cross hatching between boundary lines; cross hatching 0.45° lo diffection of flow with 300mm between lines of hatching: colour white.

 5. DIAGRAM RRM 017:-No Entry Line: 1 No. 200mm wide Continuous single line and 1 No. 200mm wide line 100mm long mark. 100mm long gap. 300mm apat Colour white

 6. DIAGRAM RRM 017:-Siop Line, 1 no. 200mm Continuous single line, Colour White

 7. DIAGRAM RRM 017:-Bifurcation Arrow 8000mm long arrow: Colour White

	il i											
	Map Series											
	1:5000											
7	4794 REVISION DATE = 31-Dec-2000 SURVEY DATE = 31-Dec-2000											
	4795 REVISION DATE = 31-Dec-2000 SURVEY DATE = 31-Dec-2000											
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Map Series

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4795-A REVIS REVISION DATE = 31-Dec-1980 SURVI SURVEY DATE = 31-Dec-1980 1:5000 4795-A

4795-B 4795-B REVISION DATE = 24-Mar-2008 4858 SURVEY DATE = 31-Dec-1980 REVIS SURV

4795-C REVISION DATE = 15-Mar-2010 SURVEY DATE = 01-Mar-1995 LEVELLED DATE = 31-Dec-1977

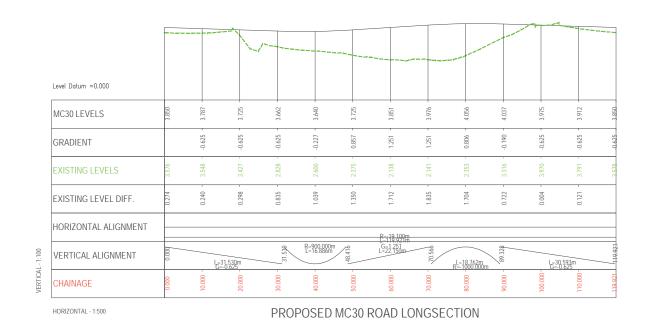
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4858-A 4858-A REVISION DATE = 14-Oct-2009 SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1981

4858-B REVISION DATE = 14-Oct-2009 SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1977

4858-C REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1981

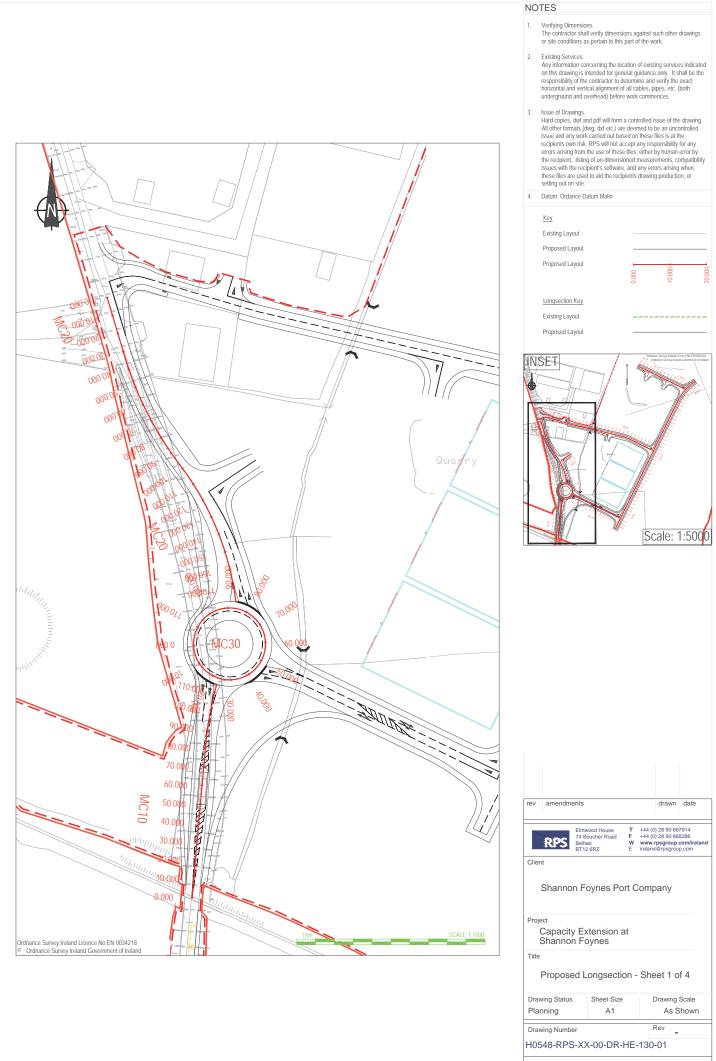
4858-D 4858-D REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1977 6. Projection: IRENET95 /Irish Transv





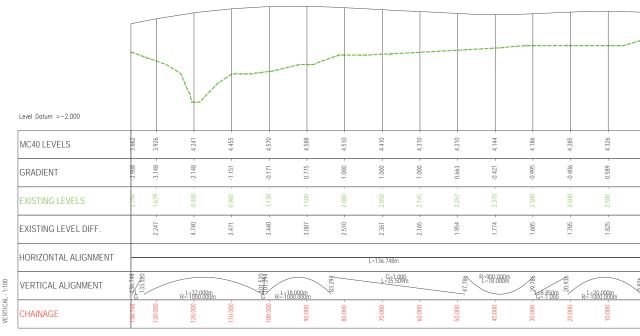
PROPOSED MC10 ROAD LONGSECTION

Level Datum =0.000												
MC10 LEVELS	000'666-	- 000' 666-	- 000' 666"	- 000'666-	- 000'666-	- 000'666-	- 000'666-	- 000'666-	- 000'666-	3.319	3.469	3.593
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EXISTING LEVELS	2.660	2.693 -	2.723 -	2.785 -	2.847	2.895 -	2.988 -	3.071 -	3.176 -	3.315 -	3.476 -	3.378 -
EXISTING LEVEL DIFF.										0.005	- 800.0-	0.215 -
HORIZONTAL ALIGNMENT					L=81.479n	1					R=180.000m L=32.756m	
VERTICAL ALIGNMENT									81.479	G=1.514 L=15.292m	96.777	43180m 77
CHAINAGE	0.000	10.000 -	20.000 -	30.000 -	40.000 -	50.000 -	- 000'09	- 000.02	- 000.08	- 000.06	100.000	110.000

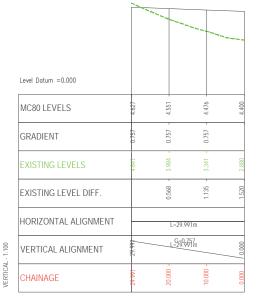


Project Leader Drawn By DMI BD

Date Initial Review April 2018 JB

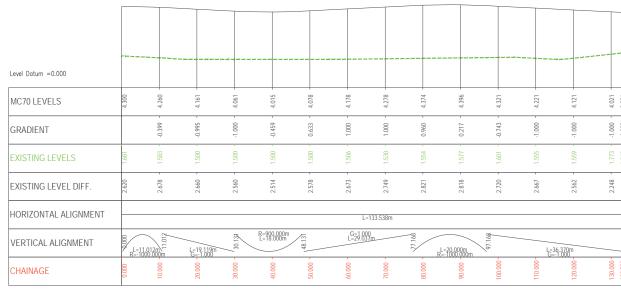


PROPOSED MC40 ROAD LONGSECTION



HORIZONTAL - 1:500

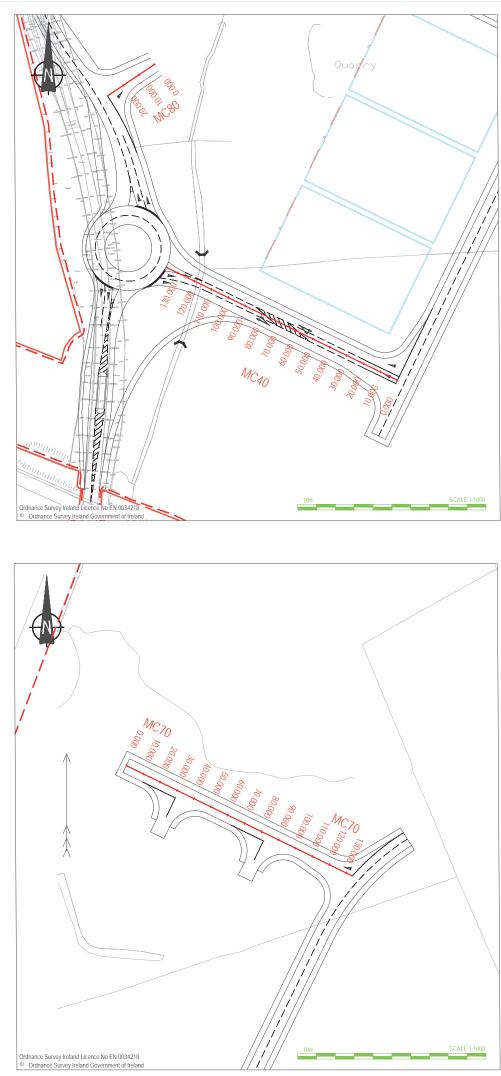
PROPOSED MC80 ROAD LONGSECTION

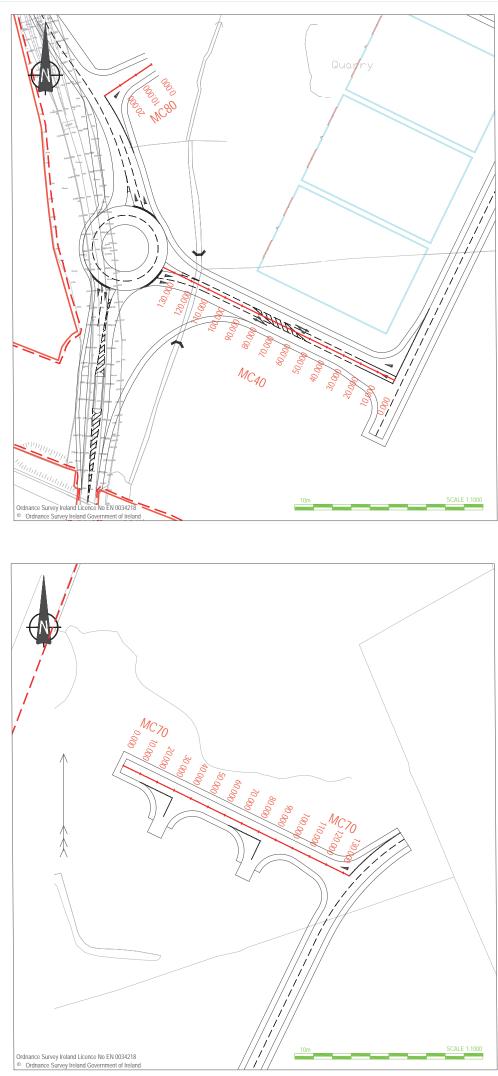


HORIZONTAL - 1:500

100

PROPOSED MC70 ROAD LONGSECTION





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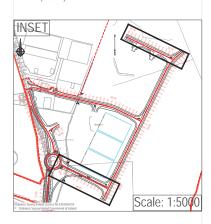
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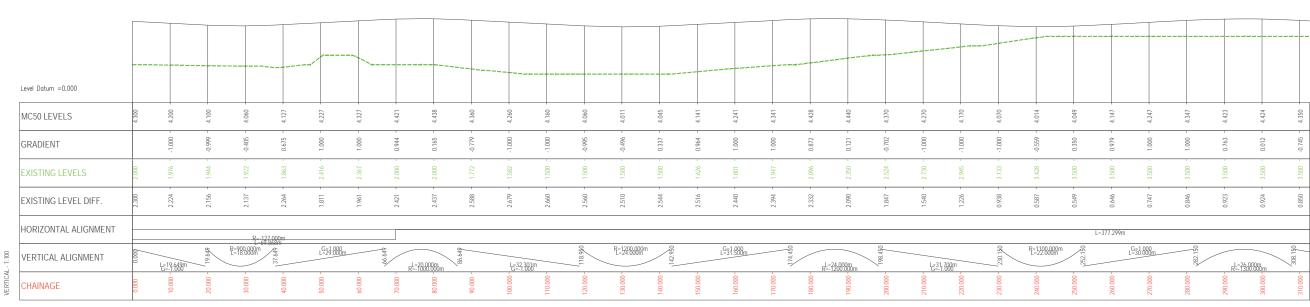
Issue of Drawings. Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg, dxf etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site.

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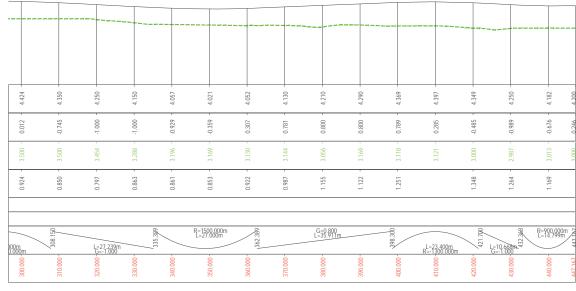
Key Existing Layout Proposed Layout Proposed Layout Longsection Key Existing Layout Proposed Layout



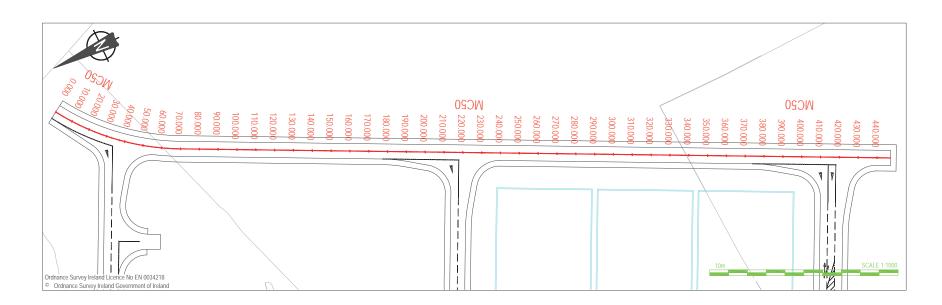
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Title	ed L	ongsec	tion -	She	eet 2 c	of 4				
Drawing Status Planning	Drawing As S	Scale Shown								
	Drawing Number F H0548-RPS-XX-00-DR-HE-130-									
Project Leader BD	Project Leader Drawn By Date BD DMI April 2018									



PROPOSED MC50 ROAD LONGSECTION







NOTES

Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.

Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.

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Issue of Drawings. Issue of Drawings. All other formats (dwg, dxf etc.) are deemed to be an uncontrolled issue and any work carrie dout based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to ald the recipients drawing production, or setting out on site.

4. Datum: Ordance Datum Malin

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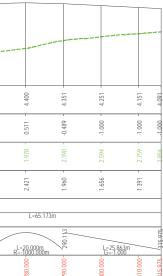
	Level Datum =0.000																$\overline{\nabla}$													
	MC60 LEVELS	5.568	5.539 -	5.339 -	5.139 -	4.939 -	4.739 -	4.539 -	4.339 -	4.173 -	4.105 -	4.138 -	4.231 -	4.249	4.172 -	4.073 -	4.043	4.118 -	4.218 -	4.318 -	4.372 -	4.325 -	4.226 -	4.126 -	4.040 -	4.053 -	4.148	4.248 -	4.348 -	
	GRADIENT	58029.629	-0.342	-2.000	-2.000	-2.000	-2.000	-2.000	-2.000	-1.662 -	- 8/9.0-	0.322 -	0.933 -	0.180 -	- 692.0-	- 166.0-	-0.300	0.751 -	1.000 -	1.000 -	0.536 -	-0.463 -	- 666'0-	-1.000	-0.853 -	0.128 -	0.955	- 000	1.000 -	
	EXISTING LEVELS	5.568	5.659 -	5.493 -	5.340 -	5.195 -	5.025 -	4.835 -	4.557 -	4.280 -	4.046 -	3.863 -	3.679 -	3.496	3.351 -	1.863 -	1.500 -	1.500 -	1.573 -	1.500 -	1.500 -	1.500 -	1.500 -	1.500 -	1.500 -	1.500 -	1.500 -	1.500 -	- 727.1	
	EXISTING LEVEL DIFF.		-0.120	-0.154 -	- 0.201	-0.255 -	-0.285	-0.295 -	-0.218	- 0.106	0.059 -	0.275 -	0.551 -	0.753 -	0.821 -	2.210 -	2.543	2.618 -	2.645 -	2.818 -	2.871	2.825 -	2.725 -	2.625	2.540 -	2.553 -	2.648	2.748 -	2.621 -	
	HORIZONTAL ALIGNMENT	L=11		R=25.000m L=15.949m]		L=56	.365m			R-127.00 L=8.105n	Øm N					L=	130.494m								R-127.000m L=28.569m				
- 1:100	VERTICAL ALIGNMENT	G=0.34	17/6/			L=64.207m			677.17		R=1000.000 L=30.000m	106.797		20.000m	126.797	⊐∰ 7138.696	R=900.000m L=18.000m	156.696	G=1.000 L=23.675m	180.372	L=20.000m	200.372	L=24.48)m	'224.852	00.000m 3.000m		G=1.000 L=27.260m	270.113	
VERTICAL	CHAINAGE	1.731	- 10.000	20.000 -	30.000 -	0000.04	50.000 -	- 000.09	- 70.000	- 000.08	- 000.06	100.000 -	110.000-	120.000	130.000	140.000	150.000 -	- 160.000	- 170.000	180.000 -	190.000	200.000	210.000	220.000-	230.000-	240.000 -	250.000-	260.000 -	270.000 -	
	L																													

PROPOSED MC60 ROAD LONGSECTION



NOTES 1. Verifying Dimensions. The contractor shall verify dimensions against such other drawings or sile conditions as pertain to this part of the work. 2. Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and verifical alignment of all cables, pipes, etc. (both underground and overhead) before work commences. 3. Issue of Drawings. Hard copies, 6td and pdf will form a controlled issue of the drawing. All other formats (dwg, dwf etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on sile. 4. Datum: Ordance Datum Malin Key Existing Layout Proposed Layout

Scale: 1:5000



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Elmwood House T +44 (0) 28 90 667914 A Boucher Road F +44 (0) 28 90 667914 Belfast BE Www.rpsgroup.com/trelar ireland@rpsgroup.com											
Client											
Shannon Foynes Port Company											
	city Ex non Fo	tensior bynes	n at								
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Prop	osed L	ongseo.	tion -	She	eet 4 c	of 4					
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Design OFFSET		-13.640 - -12.447 - -11.143 - -10.054 - -3.748 ≡ -3.748	-6.850 - -5.073 - -5.073 - -5.073 - -5.073 - -5.073 - -5.073 -	2968 = 5.855 = 6.545 = 6.545 = 7.396 = 7.396	13.2.3.3 1.2.3.3 1.4.4	16.339 - 16.339 - 17.245 - 20.000 -
B Design WIDTH		1.193 1.304 1.089 0.786 0.062 = 2.293	1.189 0.158 = 3.081 1.867 =	2.646 0.042 = 3.086 0.426 0.851	5.735 5.735 0.009 =	0.000
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	Design OFFSET			-18.649 -18.649 -10.057	-8.151 =		-5.915 -		- 0.000		6.019 6.145 6.514	7.299	9.308	10.357 -	13.226 -	- 14.120	
1:100	Design WIDTH			0.027	0.028	2.110	0.802	5.113	1	6.019	0.002	0.785	1.881	1.049	2.868	0.895	
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- 1:100	Design WIDTH	0.003 = 0.1251 - 1.152	0.336
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Ordnance Survey Ireland Licence No EN 0034218

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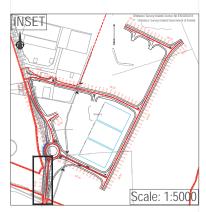
Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.

Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.

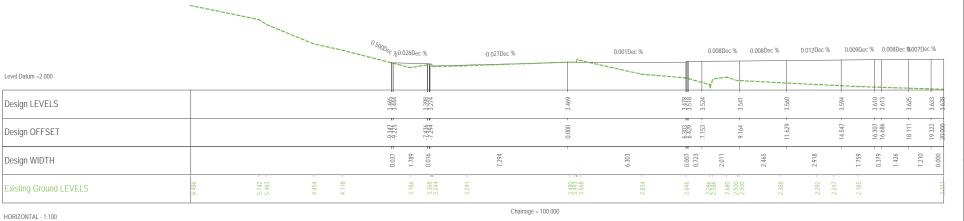
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4. Datum: Ordance Datum Malin

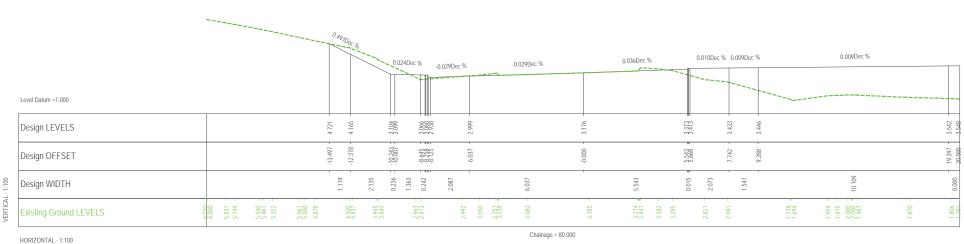
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KP5	Belfa BT1	ist 2 6RZ	E	ireland@	w.rpsgroup.com/ireland and@rpsgroup.com					
Client										
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Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.

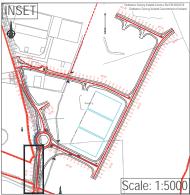
Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.

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4. Datum: Ordance Datum Malin

Key Existing Layout Proposed Layout Proposed Layout Cross-Section Key Existing Layout

Proposed Layout



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	Shanno	n Foynes P	ort C	Comp	bany			
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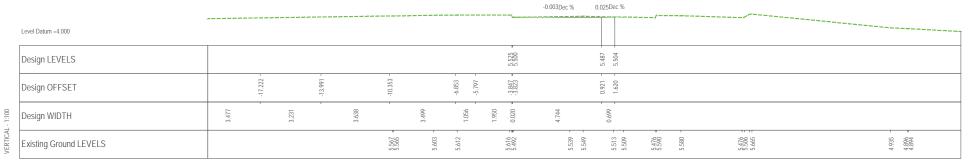
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	Design LEVELS				5.542	4.991 4.934 4.954 4.967 4.967 4.889		4.955	5.248 = 5.268 =	5.289 -	4.892 -			
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VERTICAL	Existing Ground LEVELS	5.343 -	5.374 -	200 000 000 000 200 000 000 200 000 000 200 000 0	5.529 =	5.004 4.906 4.906 4.906	921 928	4.959 -	4.947 -	4.904 -	4.888 4.8883 4.8883 4.8892 4.891 4.878	4,8550 4,8550 5,5523 6,0022 6,0022	6.015 6.331 6.331 7.000 7.000 7.148 7.148	6.754 -
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Design WIDTH				0.173	0.238 0.425 0.822 0.083	3.781	I	4.146	0.0004
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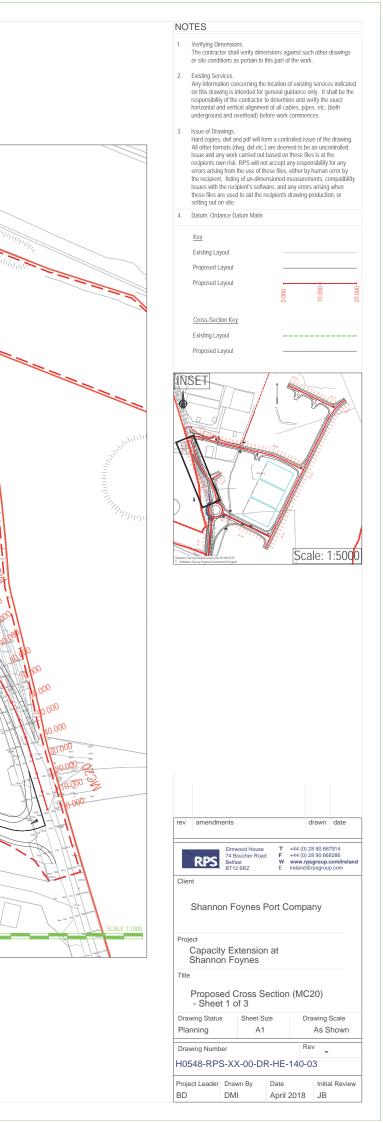
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HORIZONTAL - 1:100



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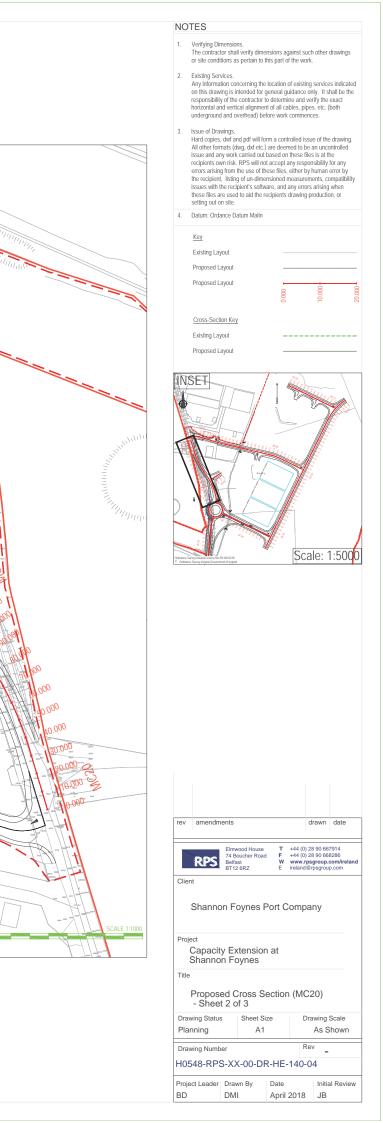
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Design WIDTH	1.102 1.048 0.951 0.450 0.450 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.352 1.355 1.352 1.3555 1.3555 1.3555 1.3555 1.3555 1.3555 1.3555 1.35555 1.35555 1.35555 1.35555555555	
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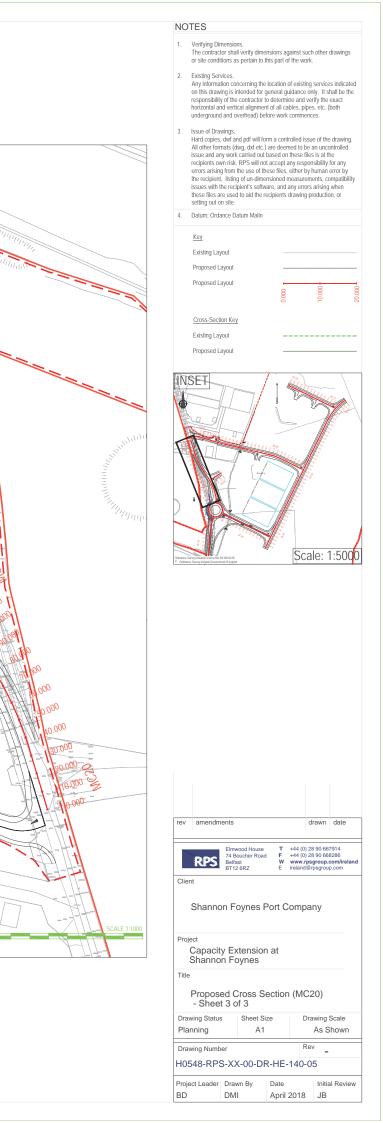
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L - 1:100	Design WIDTH	1.505 1.280 0.701 1.223	1.088 1.854 0.106 1.717	0.826 0.130 0.314 2.727	0.123 0.328 0.060 0.175 0.175 0.175 0.178 0.178 0.128 0.141		0.150 = 0.150 = 0.150 = 0.073 = 0.073 = 0.0733 = 0.469 = 0.469 = 0.167 = 0.167 = 0.167 = 0.167 = 0.167 = 0.1226 = 0.206 = 0.22
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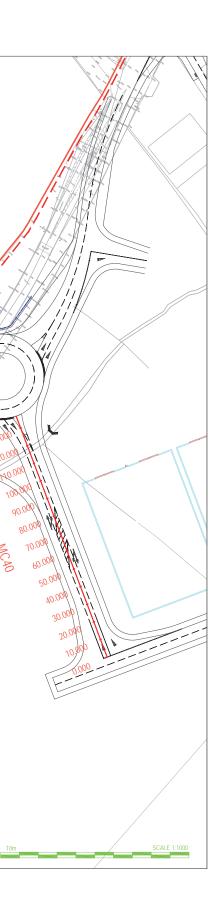
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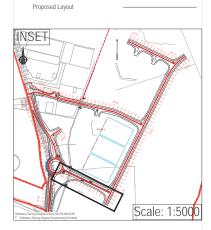
Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.

Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.

Lissue of Drawings. I suce of Drawings. All other formats (dwg, dxf etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site.

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Client

Shannon Foynes Port Company

Project Capacity Extension at Shannon Foynes Title Proposed Cross Section (MC30) - Sheet 1 of 2 Drawing Status Sheet Size Drawing Scale Planning A1 As Shown Rev Drawing Number _ H0548-RPS-XX-00-DR-HE-140-08 Project Leader Drawn By Date Initial Review BD DMI April 2018 JB

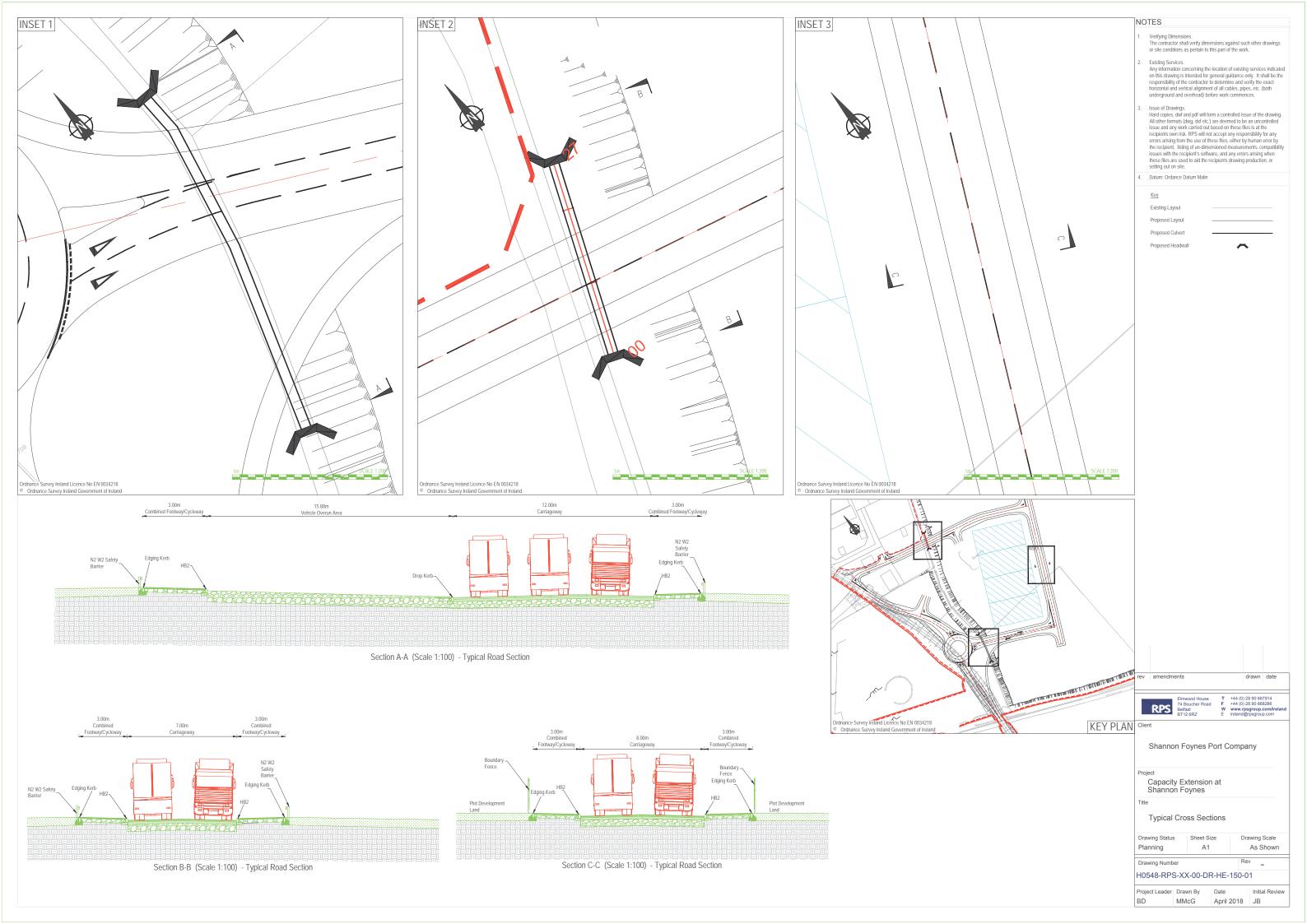
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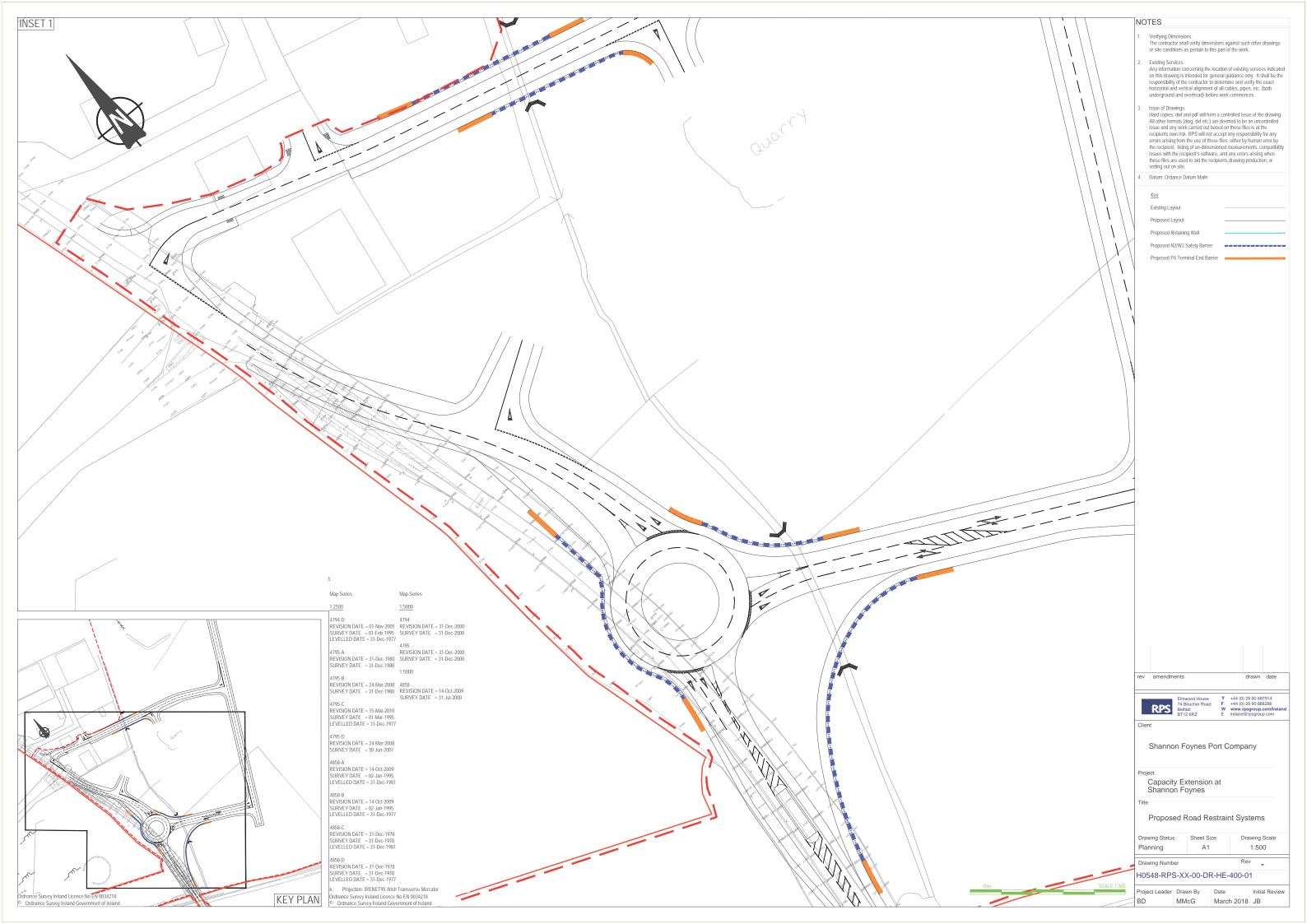


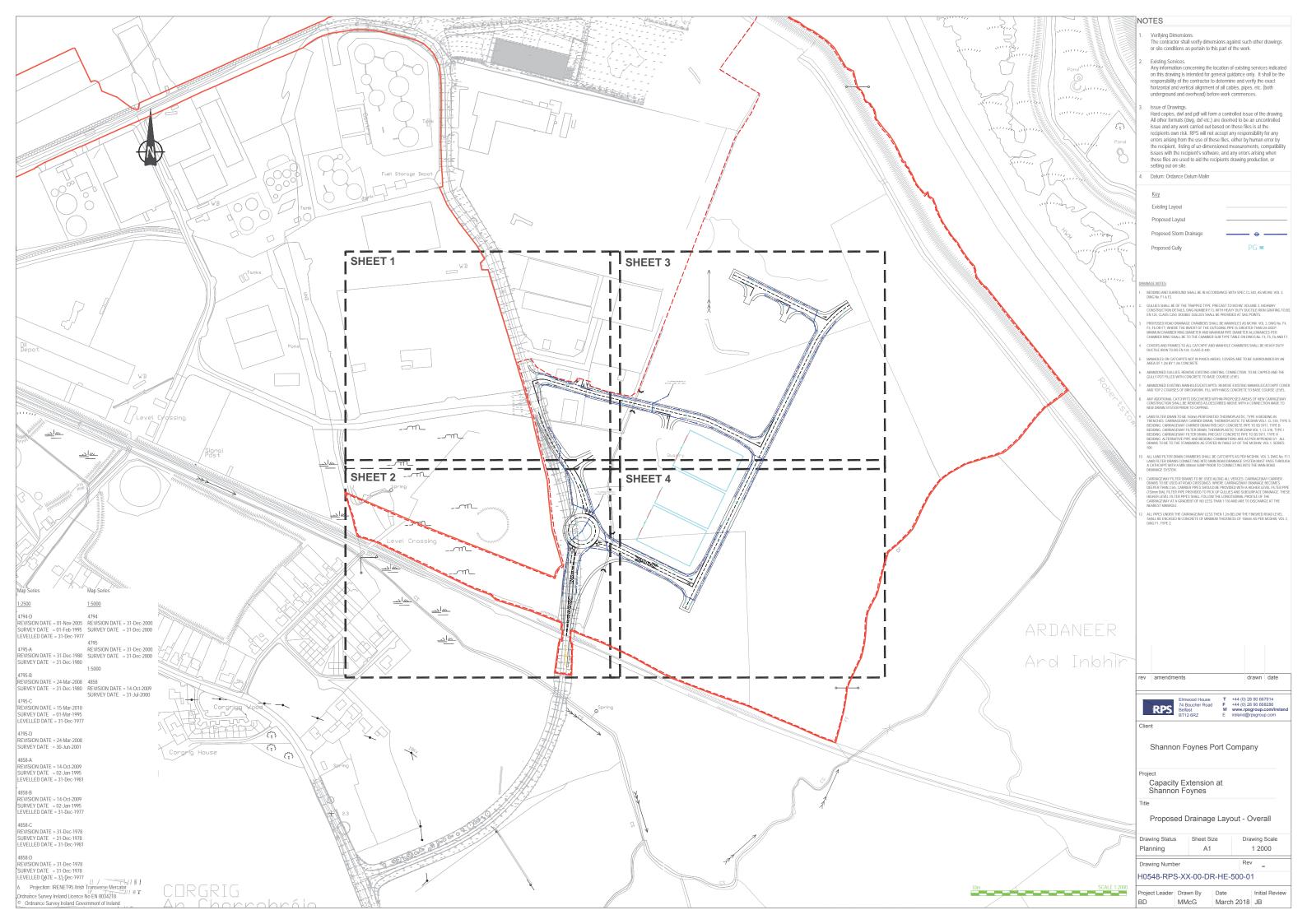
Client

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Title					
Propos - Shee			ection (MC3	30)
Drawing Status	6	Sheet Si	ze	Dra	wing Scale
Planning		A1			As Shown
Drawing Numb	er			Rev	′ -
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Project Leader	Drav	wn By	Date		Initial Review
BD	DM	I	April 20	18	JB

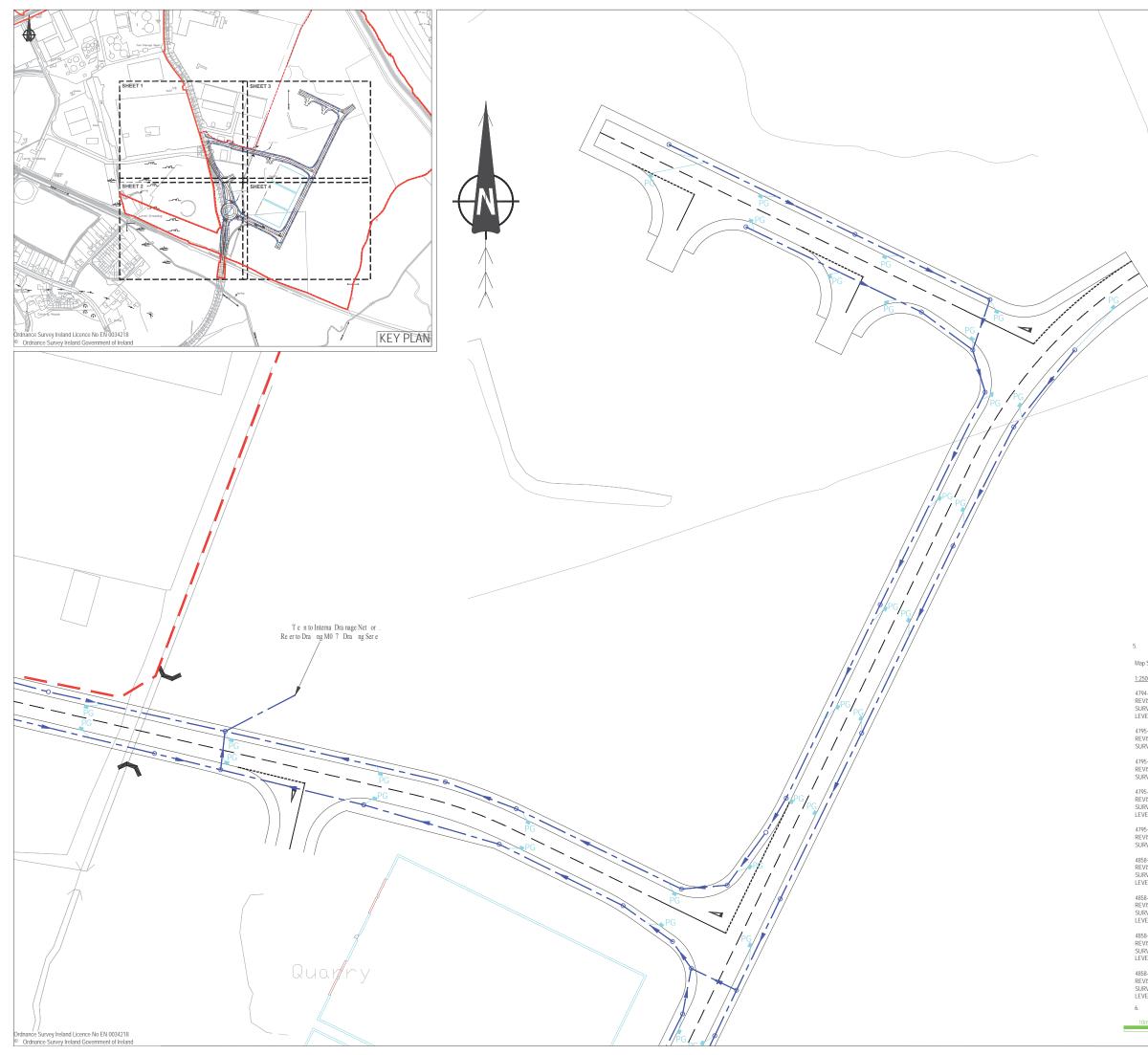








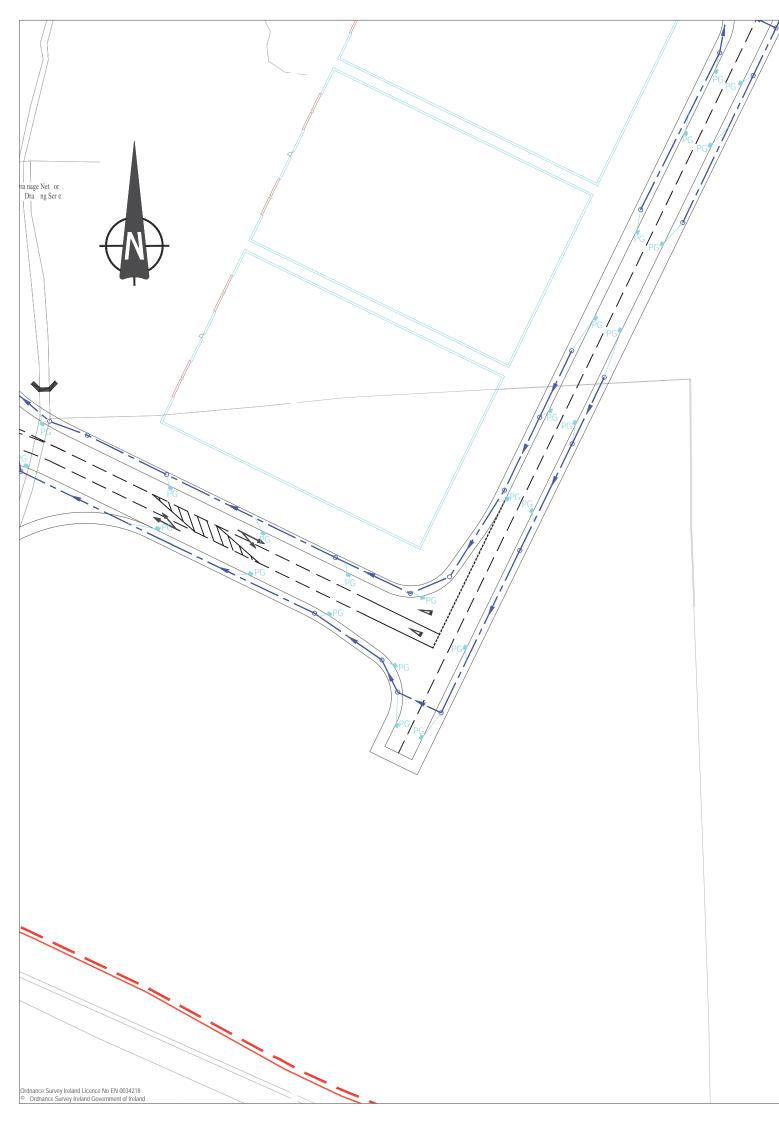


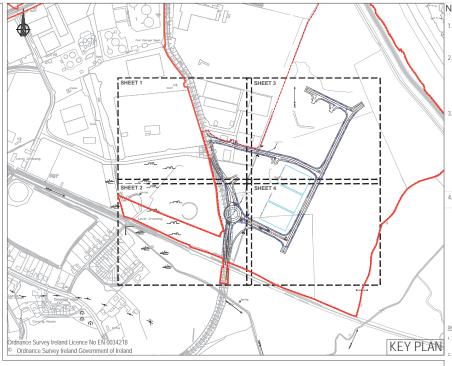


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		DTES Verifying Dimensions. The contractor shall verify dimensions are or site contractors shall verify dimensions. Any information concerning the location on this drawing is intended for general, responsibility of the contractor to detern brizontal and verifical alignment of all underground and verifical alignment of all of explores, dwf and pdf will form a con All other formats (dwg, dxf etc.) are deer sissue and any work carried out based or ecipients own risk. RPS will not accept errors arising from the use of these files the recipients, listing of un-dimensioned issues with the recipients own risk. RPS will not accept errors arising from the use of these files the recipients are used to aid the recipient setting out on site. Datum: Ordance Datum Malin Key Existing Layout Proposed Storm Drainage Proposed Gully Memory Devises for the trapped prive prevent working in the ourcommeter on some convertex on the ourcometer to express on the convertex or the ourcometer to express on the convertex or the ourcometer of the trapped prive prevent and under the ourcometer of the trapped prive prevent and under the ourcometer of the trapped prive prevent and under the ourcometer of the ourcometer or the ourcometer of the ourcometer or the ourcometer or the ourcometer of the ourcometer or the ou	of the work. In of existing services indicated guidance only. It shall be the inte and verify the exact adales, pipes, etc. (both k commences. Introlled issue of the drawing. Interest of the drawing of th
p Series	Map Series 1:5000		
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/ELLED DATE = 31-Dec-1977 95-A VISION DATE = 31-Dec-1980 RVEY DATE = 31-Dec-1980	4795 REVISION DATE = 31-Dec-2000 SURVEY DATE = 31-Dec-2000 1:5000		
75-B VISION DATE = 24-Mar-2008 RVEY DATE = 31-Dec-1980	4858 REVISION DATE = 14-Oct-2009	amendments	drawn date
95-C VISION DATE = 15-Mar-2010 RVEY DATE = 01-Mar-1995 /ELLED DATE = 31-Dec-1977	SURVEY DATE = 31-Jul-2000	RPS Elmwood House T 74 Boucher Road Befrast W B112 807 W	+44 (0) 28 90 668286 www.rpsgroup.com/ireland
75-D VISION DATE = 24-Mar-2008 RVEY DATE = 30-Jun-2001		BT12 6RZ E	ireland@rpsgroup.com
i8-A VISION DATE = 14-Oct-2009 RVEY DATE = 02-Jan-1995 /ELLED DATE = 31-Dec-1981		Shannon Foynes Port (Company
88-B VISION DATE = 14-Oct-2009 RVEY DATE = 02-Jan-1995 /ELLED DATE = 31-Dec-1977		^{oject} Capacity Extension at Shannon Foynes	
i8-C VISION DATE = 31-Dec-1978 RVEY DATE = 31-Dec-1978 /ELLED DATE = 31-Dec-1981		Proposed Drainage Lay	out - of 4
8-D VISION DATE = 31-Dec-1978		awing Status Sheet Size A1	Drawing Scale 1 500
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Projection: IRENET95 /Irish	SCALE 1-500)548-RPS-XX-00-DR-HE	-500-04

Project Leader BD

Project Leader Drawn By Date Initial Review BD MMcG March 2018 JB





NOTES

Verifving Dimensions.

The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.

Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.

Issue of Drawings. Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg, dxf etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient. listing of un-dimensioned measurements, compatibility the recipient, many or unamensioned measurements, company issues with the recipient's software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site.

Datum: Ordance Datum Malin

Key Existing Layout

Proposed Layout

Proposed Gully

Proposed Storm Drainage

PG 🗖

NINAGE NOTES:

BEDDING AND SUI DWG No. F1 & F2. ALL BE IN ACC

- CULLIES SHALL BE OF THE TRAPPED TYPE, PRECAST TO MCHW, VOLUME 3, CONSTRUCTION DETAILS, DWG NUMBER F13, WITH HEAVY DUTY DUCTLE IF EN 124, CLASS C250. DOUBLE GULLIES SHALL BE PROVIDED AT SAG POINTS
- PROPOSED ROAD DRAINAGE CHAMBERS SHALL BE MANHOLES AS MCHW, VOL 3, DWG No. F4, F5, F6 OR F7, WHERE THE MVRRT OF THE OUTGOING PIPE IS GREATER THAN 2m DEEP MINIMUM CHAMBER RING DAVERTER AND LAWAILAM PIPE DAVERTER ALL DAVINGES PIPE CHAMBER RING SHALL BE TO THE CHAMBER SUB-TYPE TABLE ON DWGS No. F4, F5, F6 AND F7
- COVERS AND FRAMES TO ALL CATCHPIT AND MANHOLE CHAMBERS SHALL BE HEAVY DUTY DUCTILE IRON TO BS EN 124, CLASS D 400.
- MANHOLES OR CATCHPITS NOT IN PAVED AREAS, COVERS ARE TO BE SURROUNDED BY AN AREA OF 1.2m BY 1.2m CONCRETE.
- ABANDONED GULLIES: REMOVE EXISTING GRATING, CONNECTION TO BE CAPPED AND THE GULLY POT FILLED WITH CONCRETE TO BASE COURSE LEVEL
- ABANDONED EXISTING MANHOLESICATCHPITS; REMOVE EXISTING MANHOLE/CATCHPIT COVE AND TOP 2 COURSES OF BRICKWORK. FILL WITH MASS CONCRETE TO BASE COURSE LEVEL.
- ANY ADDITIONAL CATCHPITS DISCOVERED WITHIN PROPOSED AREAS OF NEW CARRIGEWAY CONSTRUCTION SHALL BE REMOVED AS DESCRIBED ABOVE WITH A CONNECTION MADE TO NEW DRAIN SYSTEM PRIOR TO CAPPING.
- LAND FILTER DRAWN TO CARPING.
 LAND FILTER DRAWN TO CARPING.
 LAND FILTER DRAWN TO BE THOM THAT THE THERAD FLAST TO, TYPE H BEDDING, MI TRENDESC, DRAWNEGAWE VAREBER DRAWN HERBORD STOLEN. CL. STR. PNP BEDDING, CARRAGEWW CARBER DRAWN HERBORD STOLEN DRAWN VOL. L. CL. STR. PNP BEDDING, CARRAGEWW CHER DRAWN PRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, PRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, PRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, PRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5971, TYPE B BEDDING, CARRAGEWW FILTER DRAWN FILTER DRAWN, DRECAST CONCRETE PNP TO BS 5970, TYPE TO BS 5970, TYPE B BEDDING, CARRAGEWW FILTER DRAWN FILTER
- ALL LAND FILTER DRAIN CHANBERS SHALL BE CATCHPITS AS PER MCDHW, VOL 3, DWG No. F11 LAND FILTER DRAINS CONNECTING INTO MAIN ROAD DRAININGE SYSTEM MIIST PASS THROUGH A CATHCHPIT WITH A MIN 300mm SUMP PRIOR TO CONNECTING INTO THE MAIN ROAD DRAININGE SYSTEM.
- 1. CARRIAGEWAY FILTER DRAINS TO BE USED ALONG ALL VERCES: CARRIAGEWAY CARRIER DRAINS TO BE USED AT ROAD CORSSINGS WHERE CARRIAGEWAY DDMIAREd BECOMES DEFERS HINA 32, CARRIER PRES SANDLED DE PROVIDED WITH HARGHER LEVEL FIELTER PRE (SMIT DAU, FLETER PRE FRANCIED TO POCLIP CALLES AND SUBJECTARE DRAINEE. HETER MERCHER LEVEL FLET PREVES SANL TOLOW THE LONGTODIAN MORFLEOT PHE CARRIAGEWAY AT A GADRIENT OF NOLLESS THAN 1150 AND ARE TO DISCHARGE AT THE HERKERS'T MUNICIPAL.
- ALL PIPES UNDER THE CARRIAGEWAY LESS THEN 1.2m BELOW THE FINISHED ROAD LEVEL SHALL BE ENCASED IN CONCRETE OF MINIMUM THICKNESS OF 150mm AS PER MCDHW, VOL 3 DWG F1, TYPE Z.

5

Map Series

1:2500

4795-A

REVISION DATE = 31-Dec-1980 SURVEY DATE = 31-Dec-2000 SURVEY DATE = 31-Dec-1980 1:5000

4795-B

4795-B REVISION DATE = 24-Mar-2008 4858 SURVEY DATE = 31-Dec-1980 REVISION DATE = 14-Oct-2009 SURVEY DATE = 31-Jul-2000

4795-C REVISION DATE = 15-Mar-2010 SURVEY DATE = 01-Mar-1995 LEVELLED DATE = 31-Dec-1977

4795-D

4795-D REVISION DATE = 24-Mar-2008 SURVEY DATE = 30-Jun-2001

4858-A REVISION DATE = 14-Oct-2009

SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1981

4858-B REVISION DATE = 14-Oct-2009 SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1977

4858-C

REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1981

4858-D 4838-D REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1977

Projection: IRENET95 /Irish Transverse Mercator

Map Series

<u>1:5000</u>

 4794-D
 4794

 REVISION DATE = 01-Nov-2005
 REVISION DATE = 31-Dec-2000

 SURVEY DATE = 01-Feb-1995
 SURVEY DATE = 31-Dec-2000

 LEVELLED DATE = 31-Dec-1977
 4795
 REVISION DATE = 31-Dec-2000



rev amendments

Client

Title

Shannon Foynes Port Company

drawn date

T +44 (0) 28 90 667914 F +44 (0) 28 90 668286 W www.rpsgroup.com/ire E ireland@rpsgroup.com

roject Capacity Extension at Shannon Foynes

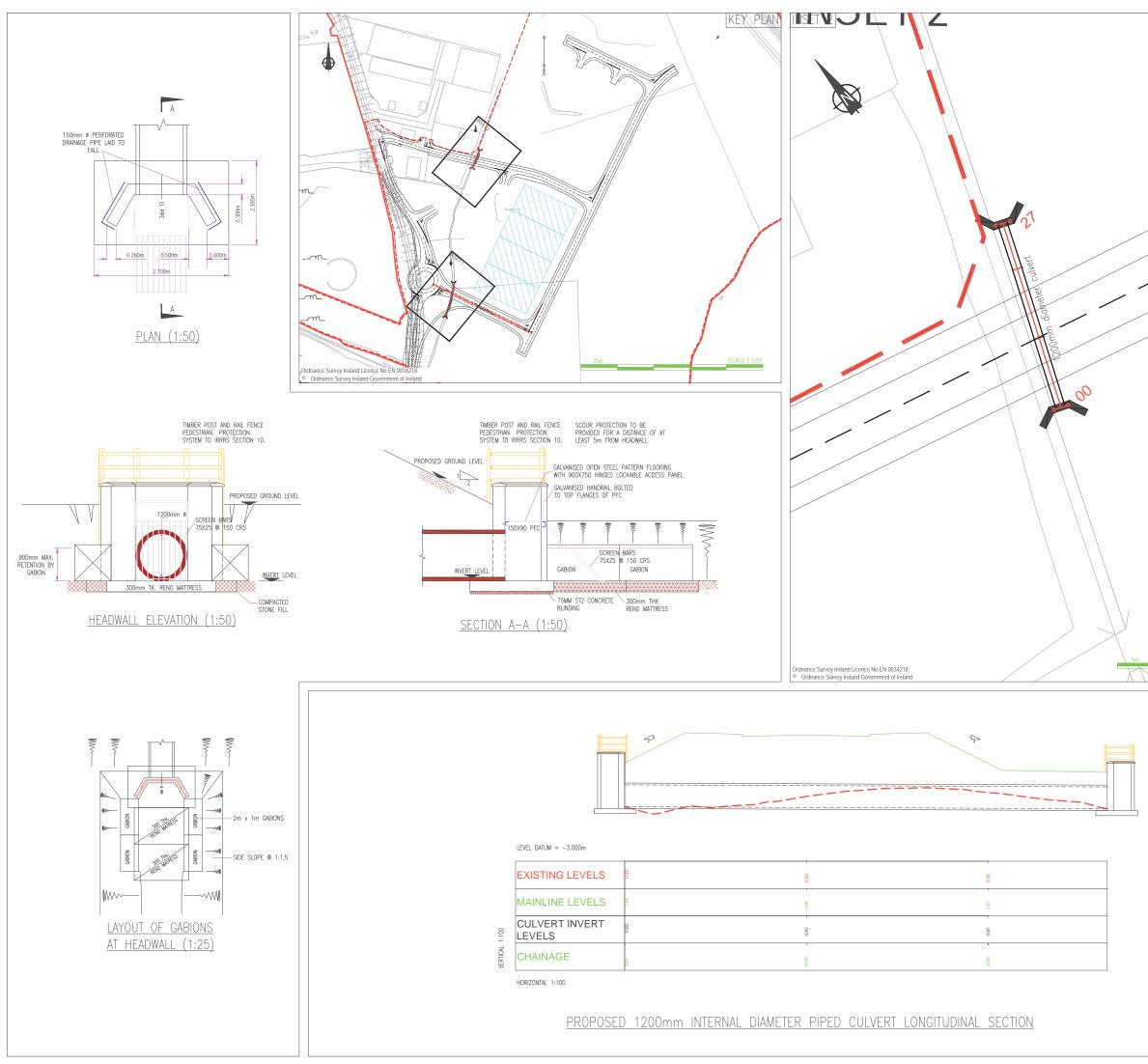
MMcG

Proposed Drainage Layout - 4 of 4

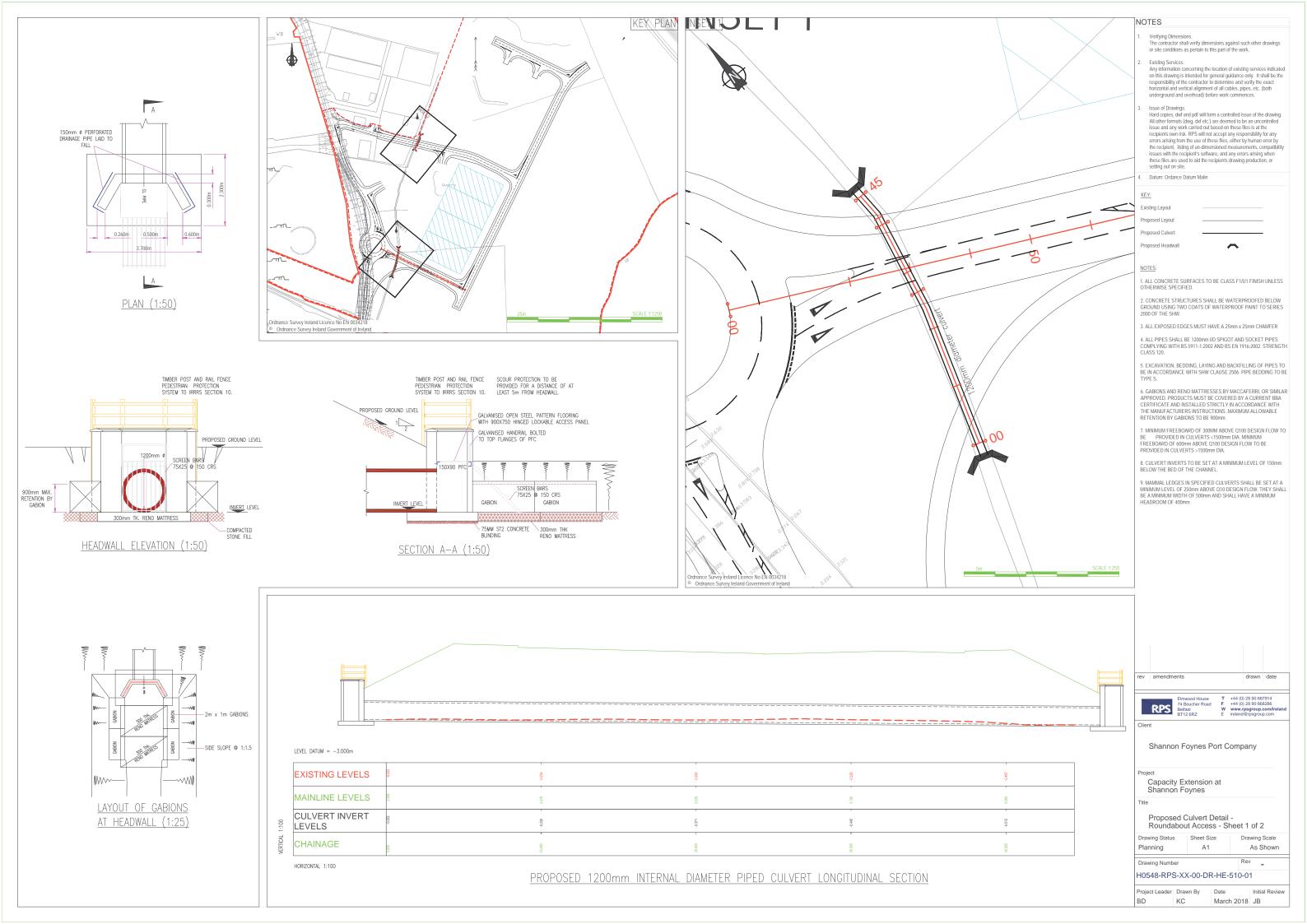
Drawing Status Sheet Size Drawing Scale A1 1 500 Planning Rev Drawing Number H0548-RPS-XX-00-DR-HE-500-05 Project Leader Drawn By Date Initial Review

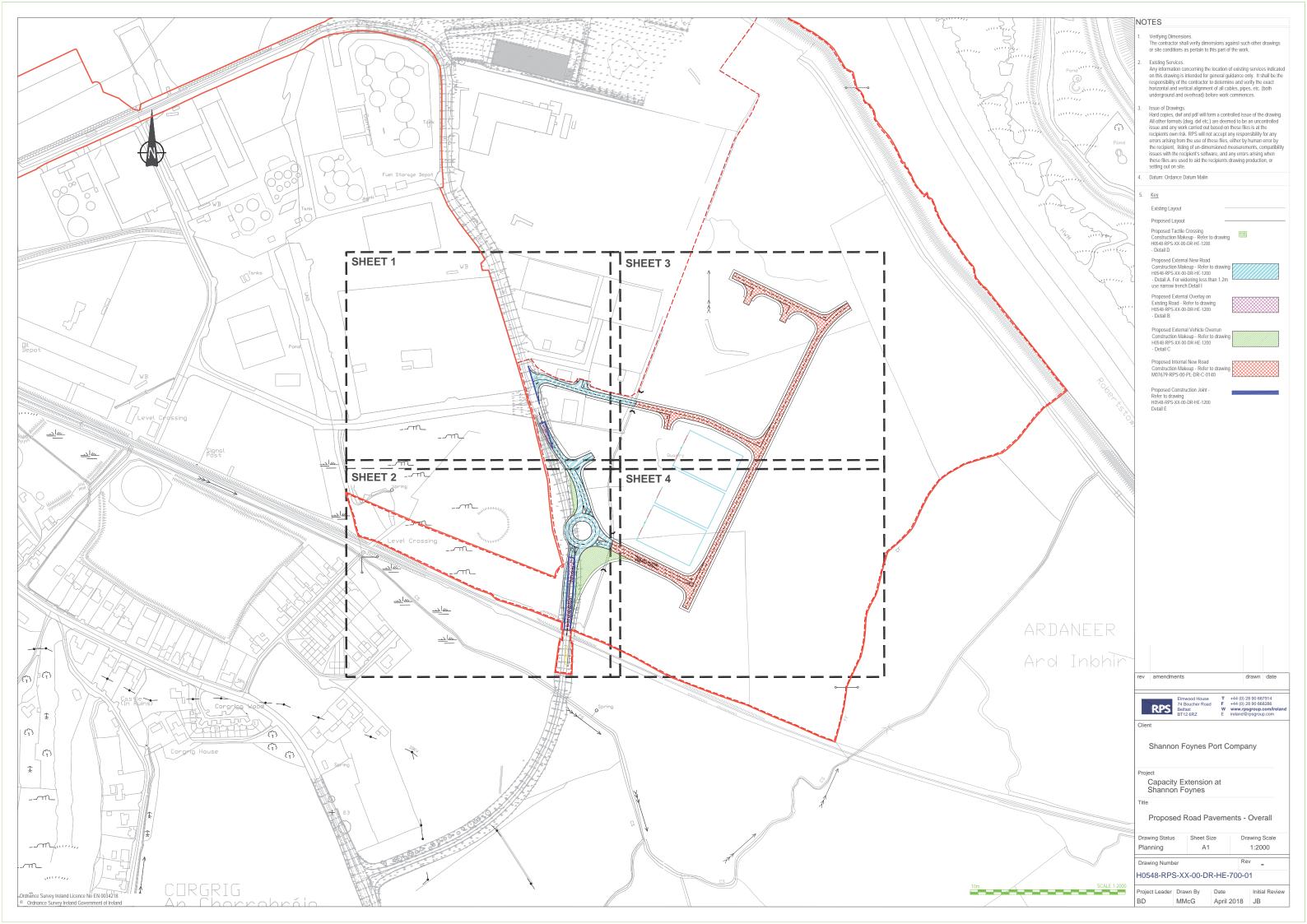
March 2018 JB

BD



	NOTES
	 Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.
	 Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of al cables, pipes, etc. (both underground and overhead) before work commences.
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	KEY:
	Existing Layout
	Proposed Culvert
	Proposed Headwall
	NOTES:
	1. ALL CONCRETE SURFACES TO BE CLASS F1/U1 FINISH UNLESS
	OTHERWISE SPECIFIED. 2. CONCRETE STRUCTURES SHALL BE WATERPROOFED BELOW GROUND USING TWO COATS OF WATERPROOF PAINT TO SERIES 2000 OF THE SHW.
	2000 OF THE SHW. 3. ALL EXPOSED EDGES MUST HAVE A 25mm x 25mm CHAMFER
	4. ALL PIPES SHALL BE 1200mm I/D SPIGOT AND SOCKET PIPES COMPLYING WITH BS 5911-1:2002 AND BS EN 1916:2002. STRENGTH CLASS 120.
	5. EXCAVATION, BEDDING, LAYING AND BACKFILLING OF PIPES TO BE IN ACCORDANCE WITH SHW CLAUSE 2506. PIPE BEDDING TO BE TYPE S.
	6. GABIONS AND RENO MATTRESSES BY MACCAFERRI, OR SIMILAR APPROVED. PRODUCTS MUST BE COVERED BY A CURRENT BBA CERTIFICATE AND INSTALLED STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS. MAXIMUM ALLOWABLE RETENTION BY GABIONS TO BE 900mm.
	7. MINIMUM FREEBOARD OF 300MM ABOVE Q100 DESIGN FLOW TO BE PROVIDED IN CULVERTS - 1500mm DIA. MINIMUM FREEBOARD OF 600mm ABOVE 0100 DESIGN FLOW TO BE PROVIDED IN CULVERTS >1500mm DIA.
	8. CULVERT INVERTS TO BE SET AT A MINIMUM LEVEL OF 150mm BELOW THE BED OF THE CHANNEL.
	9. MAMMAL LEDGES IN SPECIFIED CULVERTS SHALL BE SET AT A MINIMUM LEVEL OF 250mm ABOVE 010 DESIGN FLOW. THEY SHALL BE A MINIMUM WIDTH OF 500mm AND SHALL HAVE A MINIMUM HEADROOM OF 400mm
SCALE 1:250	
	rev amendments drawn date
	Elmwood House T +44 (0) 28 90 667914
	74 Boucher Road Belfast B112 6RZ E F +44 (0) 28 90 658286 www.rpsgroup.com/ireland ireland@rpsgroup.com/
	Shannon Foynes Port Company
	Project Capacity Extension at
	Shannon Foynes Title
	Proposed Culvert Detail -
	Secondary Access - Sheet 2 of 2
	Drawing Status Sheet Size Drawing Scale Planning A1 As Shown
	Drawing Number Rev _ H0548-RPS-XX-00-DR-HE-510-02
	Project Leader Drawn By Date Initial Review
	BD KC March 2018 JB



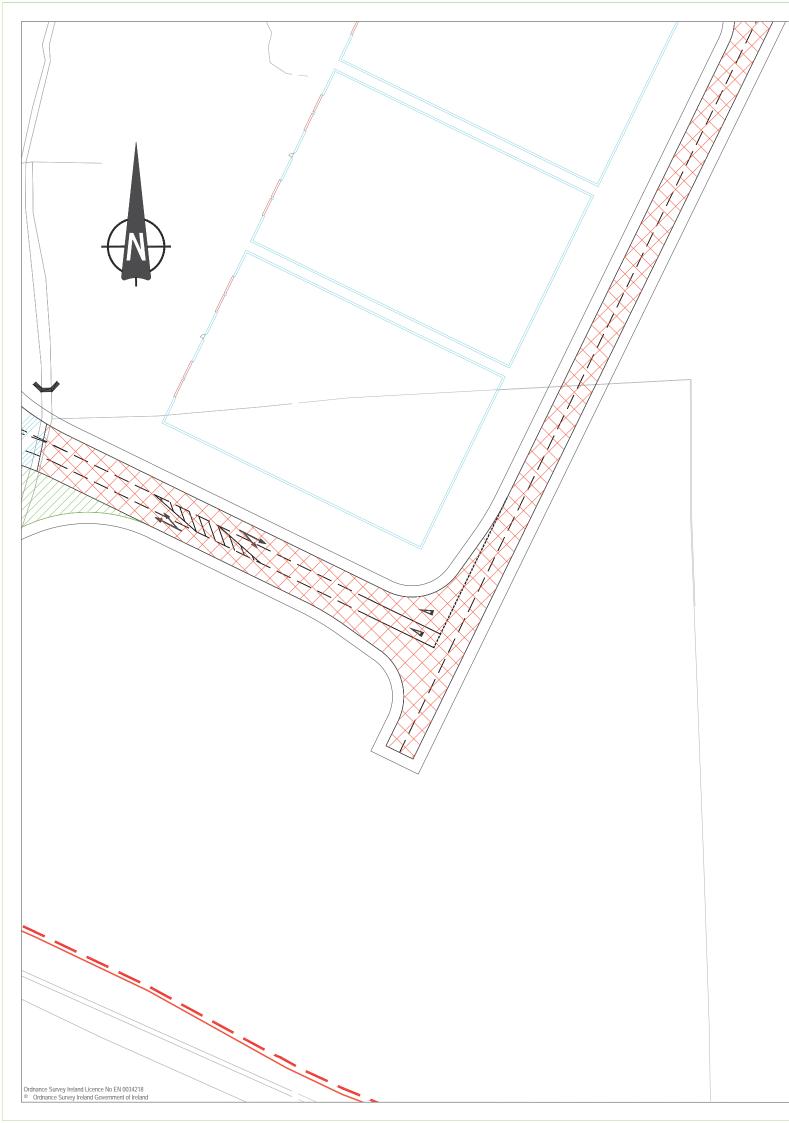


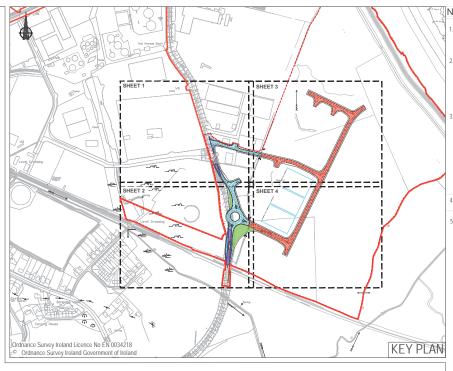






		NOTES
		NOTES 1. Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work. 2. Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (boin underground and overhead) before work commences. 3. Issue of Drawings. Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg, dxf etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipients software, and any errors arising with the recipients of setting out on site. 4. Datum: Ordance Datum Malin 5. Key Existing Layout Proposed Tactlie Crossing Construction Makeup - Refer to drawing H068 RPS-XX:00 DR-HE:1200 - Detail D Proposed External New Road Construction Makeup - Refer to drawing H064 RPS-XX:00 DR-HE:1200 - Detail B Proposed External Overlay on Existing Road - Refer to drawing H064 RPS-XX:00 DR-HE:1200 - Detail B Proposed Internal New Road Construction Makeup - Refer to drawing H064 RPS-XX:00 DR-HE:1200 - Detail B Proposed Internal New Road Construction Makeup - Refer to drawing H064 RPS-XX:00 DR-HE:1200 - Detail C Proposed Internal New Road Construction Makeu
Map Series 1:2500	Map Series	
4794-D	<u>1:5000</u> 4794	
REVISION DATE = 01-Nov-2005 SURVEY DATE = 01-Feb-1995	REVISION DATE = 31-Dec-2000 SURVEY DATE = 31-Dec-2000	
LEVELLED DATE = 31-Dec-1977 4795-A	4795 REVISION DATE = 31-Dec-2000	
4795-A REVISION DATE = 31-Dec-1980 SURVEY DATE = 31-Dec-1980	SURVEY DATE = 31-Dec-2000	
4795-B REVISION DATE = 24-Mar-2008	1:5000	
SURVEY DATE = 31-Dec-1980		rev amendments drawn date
4795-C REVISION DATE = 15-Mar-2010 SURVEY DATE = 01-Mar-1995 LEVELLED DATE = 31-Dec-1977		Elmwood House T +44 (0) 28 90 667914 74 Boucher Road F +44 (0) 28 90 667914 Belfast W www.rpsgroup.com/reland B112 6RZ E Intelnal Binguopu.com
4795-D REVISION DATE = 24-Mar-2008 SURVEY DATE = 30-Jun-2001		Client
4858-A REVISION DATE = 14-Oct-2009 SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1981		Shannon Foynes Port Company
4858-B REVISION DATE = 14-Oct-2009 SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1977		Project Capacity Extension at Shannon Foynes Title
4858-C REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1981		Proposed Road Pavements - Sheet 3 of 4 Drawing Status Sheet Size Drawing Scale
4858-D REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978		Planning A1 1:500
LEVELLED DATE = 31-Dec-1977 6. Projection: IRENET95 /Irish	Transverse Mercator	H0548-RPS-XX-00-DR-HE-700-04
m	SCALE 1:500	Project Leader Drawn By Date Initial Review
		BD MMcG April 2018 JB





NOTES

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Datum: Ordance Datum Malin

Key

Existing Layout

Proposed Layout

Proposed Tactile Crossing Construction Makeup - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 - Detail D

Proposed External New Road Construction Makeup - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 - Detail A. For widening less than 1.2m use narrow trench Detail I

Proposed External Overlay on Existing Road - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 - Detail B

Proposed External Vehicle Overrun Construction Makeup - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 - Detail C

Proposed Internal New Road Construction Makeup - Refer to drawing M07679-RPS-00-PL-DR-C-0140

Proposed Construction Joint -Refer to drawing H0548-RPS-XX-00-DR-HE-1200 Detail E









Map Series	Map Series	
<u>1:2500</u>	1:5000	
4794-D REVISION DATE = 01-Nov-2005 SURVEY DATE = 01-Feb-1995 LEVELLED DATE = 31-Dec-1977		
4795-A REVISION DATE = 31-Dec-1980 SURVEY DATE = 31-Dec-1980	4795 REVISION DATE = 31-Dec-2000 SURVEY DATE = 31-Dec-2000	
4795-B REVISION DATE = 24-Mar-2008 SURVEY DATE = 31-Dec-1980		
4795-C REVISION DATE = 15-Mar-2010 SURVEY DATE = 01-Mar-1995 LEVELLED DATE = 31-Dec-1977	SURVEY DATE = 31-Jul-2000	-
4795-D REVISION DATE = 24-Mar-2008 SURVEY DATE = 30-Jun-2001		
4858-A REVISION DATE = 14-Oct-2009 SURVEY DATE _ = 02-Jan-1995		
LEVELLED DATE = 31-Dec-1981 4858-B		

REVISION DATE = 14-Oct-2009 SURVEY DATE = 02-Jan-1995 LEVELLED DATE = 31-Dec-1977

4858-C REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1981

4858-D

4858-D REVISION DATE = 31-Dec-1978 SURVEY DATE = 31-Dec-1978 LEVELLED DATE = 31-Dec-1977 6. Projection: IRENET95 /trish Transverse Mercator

rev amendments drawn date _____
 Elmwood House
 T
 +44 (0) 28 90 667914

 74 Boucher Road
 F
 +44 (0) 28 90 668286

 Belfast
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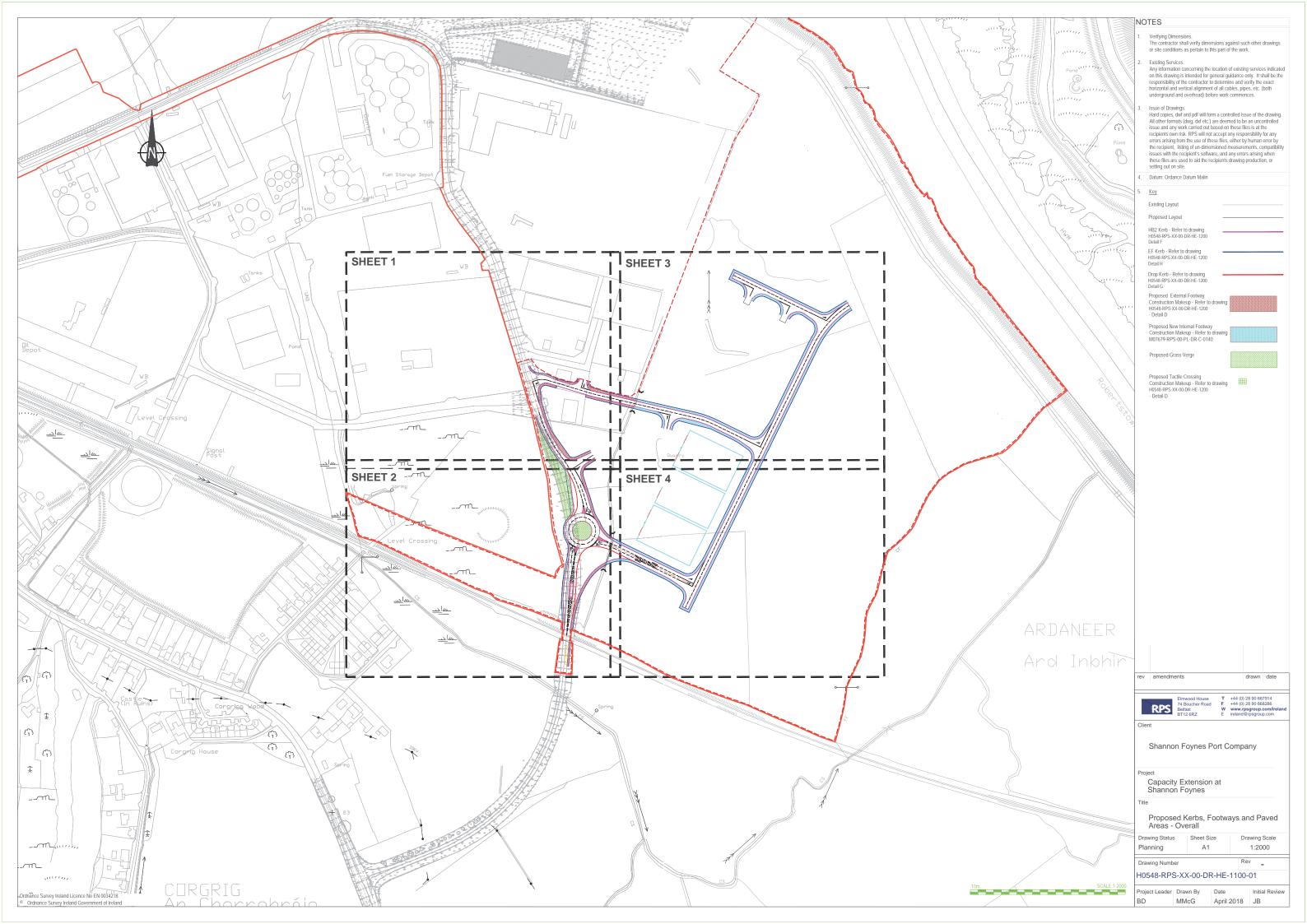
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 Client Shannon Foynes Port Company Project Capacity Extension at Shannon Foynes Title

Proposed Road Pavements - Sheet 4 of 4

Drawing Status Sheet Size Drawing Scale Planning A1 1:500 Rev Drawing Number _ H0548-RPS-XX-00-DR-HE-700-05

Project Leader Drawn By Date BD MMcG

Initial Review April 2018 JB

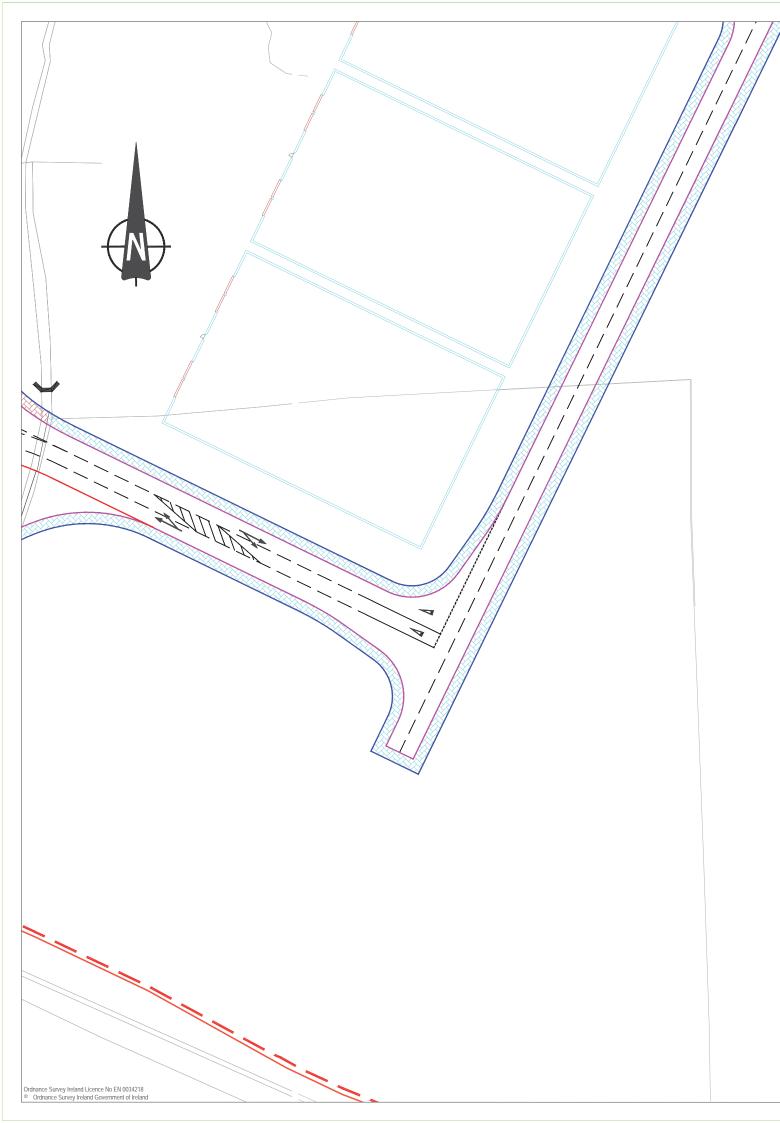








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	 Verlýng Dimensions. The contractor shall verlý dimensions against such other drawings or sile conditions as pertain to this part of the work. Existing Services. Any information concerning the location of existing services indicated on this drawing is included for general guidance only. It shall be the responsibility of the contractor to determine and verlý the exact hnizonali and verlicial giment of al calles, pipes, etc. (both underground and overhead) before work commences. Issue of Drawings. Hard copies, dM and pdf will form a controlled issue of the drawing. All other formats (dwg, dd etc.) are deemed to be an uncontrolled issue and any work carried out based on these files is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by thuman error by the recipient. Isling of un-dimensioned measurements, compatibility uses with the recipient software, and any errors arising when these files are used to all the recipients drawing production, or setting out on site. Datum: Ordance Datum Main Key Existing Layout HB2 Kerb - Refer to drawing HB54 RPS XX 00 DR HE 1200 Detail F Proposed Layout HB2 Kerb - Refer to drawing HB54 RPS XX 00 DR HE 1200 Detail F Proposed Layout Proposed Carsov (etc.) Feder to drawing HB54 RPS XX 00 DR HE 1200 Detail G Proposed Carsov Korge Proposed Grass Verge Proposed Grass Verge Detail D
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Verifying Dimensions. The contractor shall verify dimensions against such other drawings or site conditions as pertain to this part of the work.

Existing Services. Any information concerning the location of existing services indicated on this drawing is intended for general guidance only. It shall be the responsibility of the contractor to determine and verify the exact horizontal and vertical alignment of all cables, pipes, etc. (both underground and overhead) before work commences.

Issue of Drawings. Hard copies, dwf and pdf will form a controlled issue of the drawing. All other formats (dwg, dd elc.) are deemed to be an uncontrolled issue and any work carried out based on these lies is at the recipients own risk. RPS will not accept any responsibility for any errors arising from the use of these files, either by human error by the recipient, listing of un-dimensioned measurements, compatibility issues with the recipient's software, and any errors arising when these files are used to aid the recipients drawing production, or setting out on site.

Datum: Ordance Datum Malin

Key

Existing Layout

Proposed Layout

HB2 Kerb - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 Detail F

EF Kerb - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 Detail H

Drop Kerb - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 Detail G

Proposed External Footway Construction Makeup - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 - Detail D

Proposed New Internal Footway Construction Makeup - Refer to drawing M07679-RPS-00-PL-DR-C-0140

Proposed Grass Verge

Proposed Tactile Crossing Construction Makeup - Refer to drawing H0548-RPS-XX-00-DR-HE-1200 - Detail D

Map Series Map Series 1:5000 1:2500
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 REVISION DATE = 01-Nov-2005
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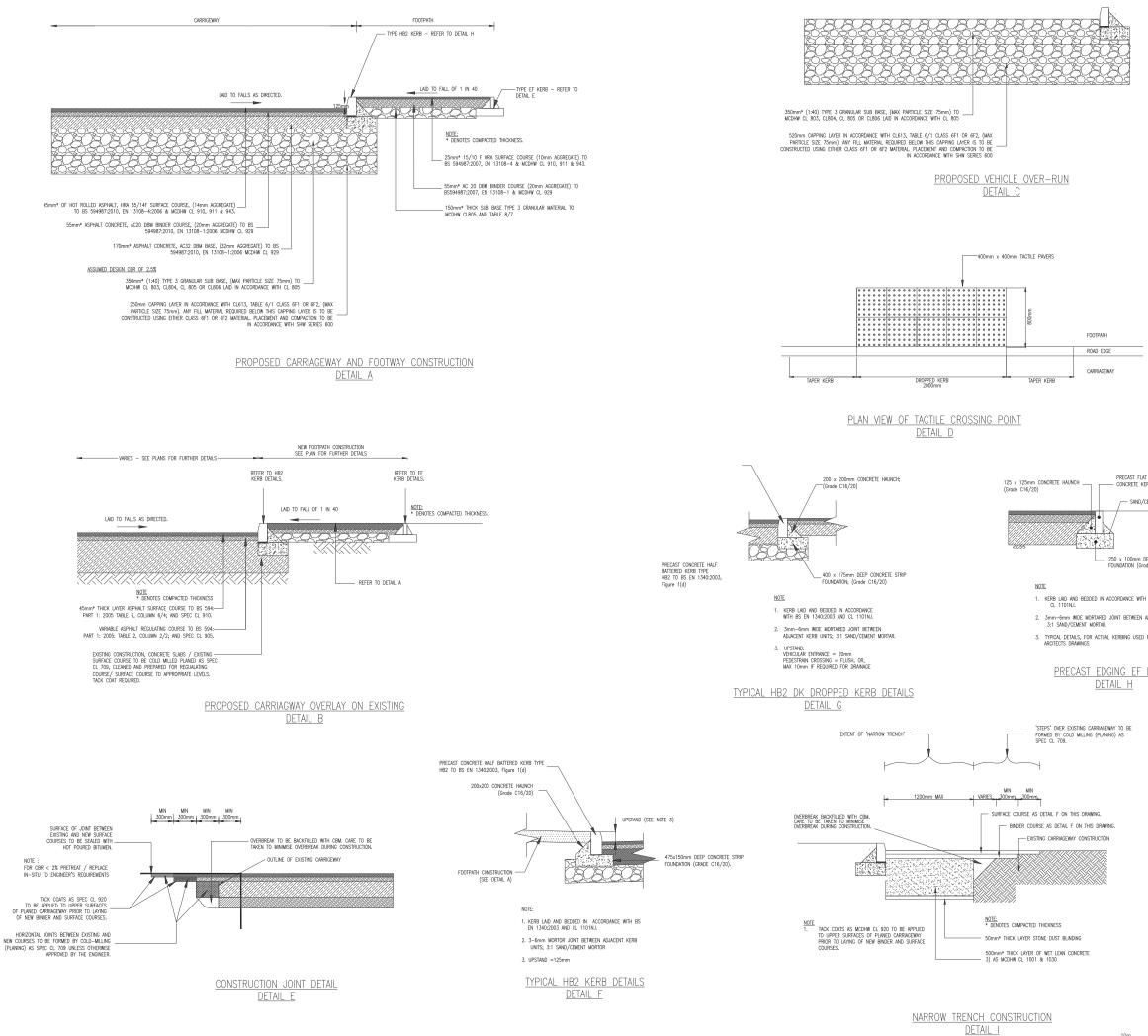
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	2.	on this draw responsibility horizontal ar	tion co ing is i y of the nd verti	ntended for g contractor to cal alignmen	general g o determ nt of all ca	of existing services indicated uidance only. It shall be the ine and verify the exact bles, pipes, etc. (both commences.
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	4.	Datum: Orda	ance D	atum Malin		
RECAST FLAT TOP EDGING TYPE CONCRETE KERB TO BS EN 1340:2003, Fig 3(b)						
- SAND/CEMENT MORTAR BED						
x 100mm DEEP CONCRETE STRIP IDATION (Grade C16/20)						
RDANCE WITH BS EN 1340:2003 AND T BETWEEN ADJACENT KERB UNITS						
RBING USED REFER TO LANDSCAPE						
IG EF DETAIL						
<u>_ H</u>						
TO BE AS						
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	Clier	RPS	74 B	vood House oucher Road ist 2 6RZ	F	+44 (0) 28 90 667914 +44 (0) 28 90 668286 www.rpsgroup.com/ireland ireland@rpsgroup.com
	Project Capacity Extension at Shannon Foynes Title Proposed Construction Details					
	Drawing Status Sheet Size Drawing Scale A1 Drawing Scale As Shown Drawing Number Uns 40, DDS XX 00, DD UIS 1200, 01					
10m SCALE 1:2000	H0548-RPS-XX-00-DR-HE-1200-01 Project Leader Drawn By Date Initial Revie					
	Proje BD	ect Leader	Drav MM		Date Marc	h 2018 JB

