

Marine and Coastal Access Act 2009 (Part 4 Marine Licensing)

Application for Marine Construction Works/Land Reclamation/Beach Replenishment in the Territorial Sea and UK Controlled Waters Adjacent to Northern Ireland

(Construction schemes including coast defences, beneficial uses of dredged materials, jetties, land reclamation, outfall pipes etc.)

It is the responsibility of the applicant to obtain any other consents or authorisations that may be required

Under Part 4 (Chapter 5) of the Marine and Coastal Access Act 2009, information contained within or provided in support of this application will be placed on the public register unless DAERA Marine and Fisheries Division (as the licensing authority) approves the applicant's reasons for withholding all or part thereof.

Public Register

Is there any information contained within or provided in support of this application that you consider should not be included on the Public Register on the grounds that its disclosure:

- a) would be contrary to the interests of national security YES ☐ NO ☒
- b) would prejudice to an unreasonable degree your or some other person's commercial interests or those of a third party? YES ☐ NO ☒

If **YES**, to either (a) or (b), please provide full justification as to why all or part of the information you have provided should be withheld.

N/A

1. Project Title

Please give a brief identifiable description, including the location of the works.

NIR Minor Works 2016 – 2020

ELR 010 – River Faughan 10.220 (89m 1254yds)

Northern Ireland Railways (NIR) requires essential infrastructural maintenance on the Belfast to Derry line at The River Faughan. The proposed works involve the extension of existing scour prevention measures which have recently deteriorated.

Site location plan attached at Appendix A.

2. Applicant Details

Title

MR

Initials

A.

Surname

STOVE

Address:

Translink
Property & Structures Department
3 Milewater Road
Belfast
BT3 9BG

Name of contact:
(if different from above)

N/A

Telephone number:
(inc. code)

(028) 9035 4075

Email address:

anthony.stove@translink.co.uk

3. Agent Details (if appropriate)

Title	MR	Initials	G.	Surname	MCCORMACK
Trading Title (If different from above)	AECOM Infrastructure & Environment UK Ltd				
Business Address:	9 th Floor, The Clarence West Building, Clarence Street West, Belfast, BT2 7GP				
Name of contact: (if different from above)	N/A				
Position within company (if appropriate)	Civil Engineer				
Telephone number: (inc. code)	(028) 9060 7200				
Email address:	graham.mccormack@aecom.com				
Company Registration No.	00880328				

4. Duration of Project

Expected Start Date	29th Jan 2019	Expected Completion Date	31st March 2019
---------------------	------------------	--------------------------	--------------------

5. Description and Cost of the Proposed Project

- (a) Estimated gross cost of the works proposed seawards of the tidal limit of the High Water Mean Spring Tide Mark

The estimated gross cost of the works at The River Faughan is £30,000.

Licence Band B – Fee £859

- (b) Give a detailed description of the proposed schedule of work

The works comprise extending/replacing existing continuous sheet piling around the perimeter of Piers 7 & 9, which have become undermined. Loose sediment to be excavated between sheet piles and existing pier/footing and filled with tremmied concrete. Timber posts and metal brackets at Piers 3 & 8 to be removed. Scour erosion at the upstream nose of Piers 5 & 8 to be repaired. Minor defects to the surface of the concrete piers at upstream end of Piers 3, 4, 6 & 8 to be repaired. Cylindrical cores extracted from piers to be repaired with filler.

Drawings detailing the existing bridge and proposed repair works are included in Appendix B.

MHWS – 3.5 m Admiralty Chart Datum (ACD)

If necessary please continue on a separate sheet and tick this box

☐

Types of Work Proposed

Coastal/Flood defences:

beach replenishment
shoreline reinforcement
flood defence
sea defence

Slipways:

slipway
causeway
launching ramp

Miscellaneous:

habitat creation/replacement
aquaculture (unless exempted)
sea wall
berms/wave screens
artificial reef
sea-lock

Harbour works:

dock wall/quay/wharf

Navigation works:

lock gates
moorings (unless exempted)
buoy/navigation mark (unless exempted)
training wall/breakwater

Land reclamation:

bunded/piled area
dock infill

Intakes/outfall pipes:

intake/outfall

Cables:

cable/subsea cable

Pipeline maintenance:

pipe/pipeline maintenance

Piers etc.:

bridge supports/bridge foundation
pier
jetty

Bank stabilisation:

Scour protection:

Sheet

Piling

mattressing

Barrages & island etc.

tidal barrier

	barrage
	sculpture, statues, fountains etc.
	ground investigation works
	impoundment
Sediment manipulation	groynes

6. Location of Works

This should include either 6 figure Irish Grid Reference (IGR) or Latitude and Longitude co-ordinates (WGS84 to 1 decimal minute) defining the extent of the project.

Irish Grid Reference (IGR) 248921,422498

MHWS – 3.5m Admiralty Chart Datum (ACD)

Location Plan Drawing is provided in Appendix A.

If necessary, please continue on a separate sheet and tick this box

☐

7. Method Statement

All works will be performed at night.

1. It is intended that the piling works will be carried out from a barge anchored underneath the bridge structure.
2. This barge will be floated into position and anchored by works boats at high tide.
3. Works in relation to piling will be carried out during daylight hours using a Movac excavator to drive the piles.
4. Piles are to be driven before the barge is to be relocated to allow the piles to be placed around the pier.
5. On completion the barge will move to the next pier until the piling is complete.
6. All concreting works will be carried out from the track and during night shift hours.
7. Rail Road Vehicle (RRV) operator under the direction of the banksman is to lift the trailer onto the tracks using the chains. Equipment to go to site is to be loaded onto the trailer, this includes a tower light and concrete skip.
8. Concrete Lorries will deliver concrete to both Du Pont and Lock Level Crossings, filling up the concrete skip on each RRV.
9. Skilled operatives working with subcontractor from the barge will position the tremmie pipe to deploy concrete between the sheet piles and the pier at pier 7 and pier 9.
10. When the concrete skip is empty the RRV will return to its concrete lorry to refill the concrete skip and the other RRV will travel to site and deploy concrete in the same manner.
11. RRVs will alternate until all concrete has been poured up to the level of the concrete pier footing.
12. Subcontractor to remove timber posts and metal brackets from piers 3 and 8 using the barge to access the piers.
13. Subcontractor to remove tree debris from the nose of pier 3 and dispose of it off site.
14. Excess vegetation to be removed from the West abutment using a chainsaw, hand tools, strimmer's and hedge cutters. Arising's to be disposed of offsite.
15. Exposed rebar to be trimmed back on the East abutment using the power saw.
16. Scour erosion to be repaired on upstream nose of piers 5 and 8 as outlined in AECOM Drawing No. 60512590-1007-10022-2 Rev A2 detail Type 1 Repair.
17. Defects to concrete surface of previous concrete patch repairs on piers 3, 4, 6 and 8 to be repaired according to detail Type 1 Repair.
18. Damaged concrete will be carefully removed from around reinforcement, reinforcement bars to be cleaned of rust and corrosion and painted with Galvafruid or similar and have a surface finish of SA 2.5.
19. The exposed concrete repair surface will be treated with a suitable acrylic primer.
20. Cementitious repair mortar Fosroc Renderoc GP to be used to fill repair area to its extents and create a flush finish. Overhead repair work to be built up in layers to prevent material falling out.
21. As indicated by the onsite engineer some areas will receive L shaped dowel anchors, these will have holes drilled for the dowel bars which are to be set in with a chemical anchor before proceeding with the concrete repair.
22. Cementitious polymer coating to be applied to the concrete surface up to 3mm thick if requested by onsite engineer.
23. At the end of the shift all plant will be removed.
24. The Foreman will ensure that the site has been left clear and tidy.

If necessary, please continue on a separate sheet and tick this box

☐

8. Permanent Deposits

(a) quantity of permanent materials to be deposited below HMWS tidemark:

Timber (m ² or tonnes)	.....
Iron/Steel (tonnes)	14.....
Plastic/Synthetic (m ²)	.....
Silt (m ³)	.....
Sand (m ³)	.....
Concrete (m ³)	11.2
Concrete bags/mattresses (Confirm number, dimensions & total volume m ³)	.....
Stone/Rock/Gravel (size range and volume m ³)	

If 'other' please describe below

N/A

If necessary, please continue on a separate sheet and tick this box

☐

(b) for work involving salt marsh feeding, beach replenishment or land reclamation please provide the following information relating to the material to be deposited:

Quantity (tonnes)	.....
Nature of Material (e.g. sand, silt, gravel etc.)	.....
Source: (if sea dredged please state location of origin)	.....
Particle Size	.....

Has the material been chemically analysed? Yes ☐ No ☐

If Yes, please include the analysis data with your application.

9. Temporary Deposits

Will there be a need to make any temporary deposits of material below HMWS tidemark during the works

Yes ☐ No ☒

(a) quantity of temporary materials to be deposited below HMWS tidemark:

Timber (m ² or tonnes)	.....
Iron/Steel (tonnes)	.....
Plastic/Synthetic (m ²)	.....
Silt (m ³)	.....
Sand (m ³)	.....
Concrete (m ³)	.....
Concrete bags/mattresses (Confirm number, dimensions & total volume m ³)	.....
Stone/Rock/Gravel (size range and volume m ³)	.....

If 'other' please describe below

If necessary, please continue on a separate sheet and tick this box ☐

10. Dredging

Do you intend to apply for a licence to dredge as part of the works?

Yes ☐ No ☒

If Yes, please indicate the location
of the dredging and nature of material

11. Disposal of Material at Sea

Do you intend to apply for a licence to dispose at sea material dredged as part of the works?

Yes ☐ No ☒

If Yes, please indicate:
Nature and quantity of material
(sand, gravel, silt, clay, rock etc.)

12. Planning

Is this project subject to a planning application?

Yes ☐ No ☒

If Yes, attach a copy of environmental statement (if appropriate) and indicate what stage the application for planning permission is at (i.e. approved, awaiting notification, rejected)

.....

13. Statutory Consenting Powers

Do you, or (if appropriate) your client, have statutory powers to consent any aspect of this project?

Yes ☐ No ☒

If Yes, please give details

14. Consultation

(a) Have the public been invited to submit comments? YES ☐ NO ☒
If YES, how and where?

N/A

(b) Have any consultation meetings been held?
(with the public or other bodies)

YES

☐

NO

☒

N/A

If necessary please continue on a separate sheet and tick this box

☐

15. Consultation with Conservation Bodies

Please provide details of any consultation that has taken place with NIEA Natural Environment Division and, if appropriate, include copies of any correspondence with your application.

Agencies notified include Rivers Agency, Loughs Agency (Section 46/47 Permit), Fisheries (Section 48 Permit) & NIEA
A Habitats Regulations Assessment (HRA) has been prepared to support the application.

If necessary please continue on a separate sheet and tick this box

☐

16. Designated Conservation Areas

Are any parts of the proposed work located within the boundaries of a designated conservation area? YES

☒

NO

☐

If **No**, please indicate approximate distance of the disposal operation from the nearest designated conservation area.

17. Environmental Assessment

Has an environmental assessment been undertaken to support any application in respect of the works, your own statutory powers (if applicable) or any other reason?

YES

☒

NO

☐

If **YES**, is a copy of the assessment included with this application?

YES

☒

NO

☐

If the assessment has been undertaken but has not been included with the application, please provide an explanation below.

N/A

Is the environmental assessment available for public inspection?

YES

☐

NO

☒

If YES at what locations:

N/A

Declaration

I declare that the information given in this form and related papers is to the best of my knowledge and belief true.

WARNING

It is an offence under the Act under which this application is made to fail to disclose information or to provide false or misleading information.

Signature of applicant:
(or agent acting on behalf of applicant)



Date:

20/08/2018

Name (Block Letters):

GRAHAM MCCORMACK

Position within company:
(if applicable)

Civil Engineer

PLEASE CHECK CAREFULLY THE INFORMATION YOU HAVE GIVEN AND THAT ALL ENCLOSURES (INCLUDING COPIES) HAVE BEEN INCLUDED

Application Checklist

- Completed application form
- Project drawings
- Method statement
- Maps/charts
- Additional environmental information e.g. photographs, environmental impact assessment etc.
- Payment

Appendix A

47075660 - 10.220 - 01 - Site Location



Drawing Title

TRANSLINK STRUCTURE
UNDERWATER EXAMINATION
10.220
Location Plan

Scale @ A4
1:50,000

Drawn RMCA	Checked MJG	Approved RB
Date JAN 2016		Rev 0

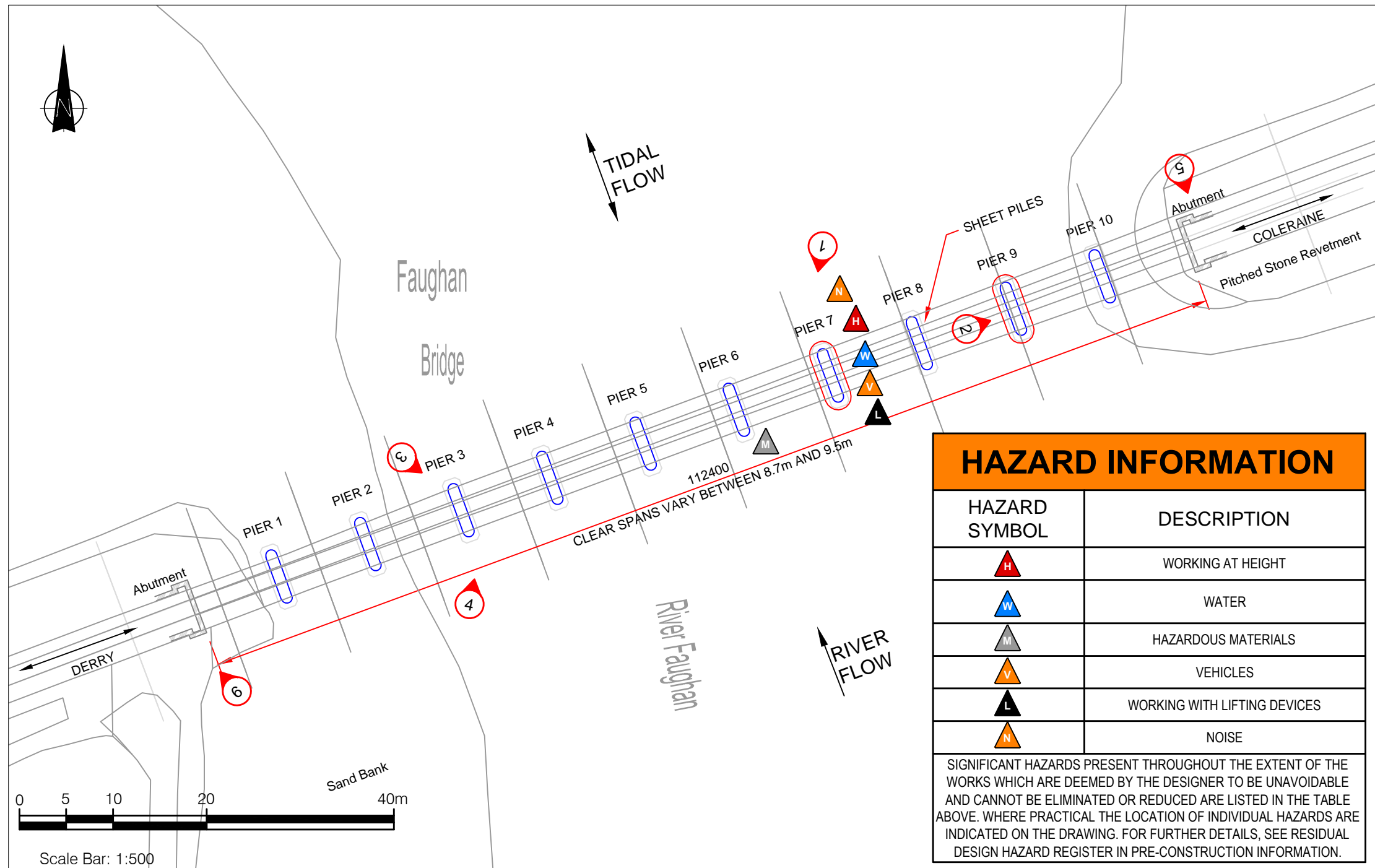
Drawing Number
47075660 - 10.220 - 01


www.aecom.com

Appendix B

60512590 - 1007 - 10022-1 Underwater Repairs

60512590 - 1007 - 10022-2 Underwater Repairs



General Arrangement
Scale 1:500



Photo 1 - Pier 7 North East View



Photo 2 - Pier 9 West View



Photo 3 - Timber post at Pier 3



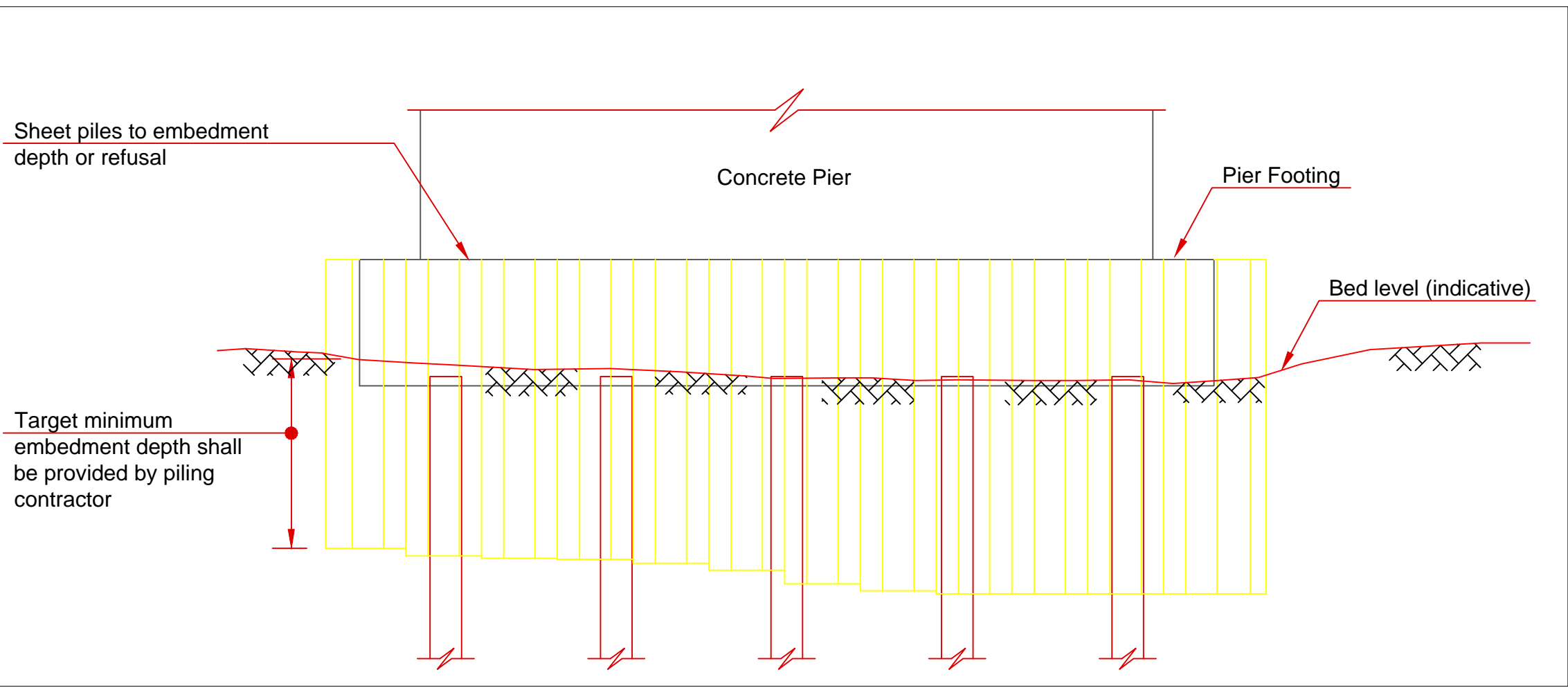
Photo 4 - Pier 3 South
West View



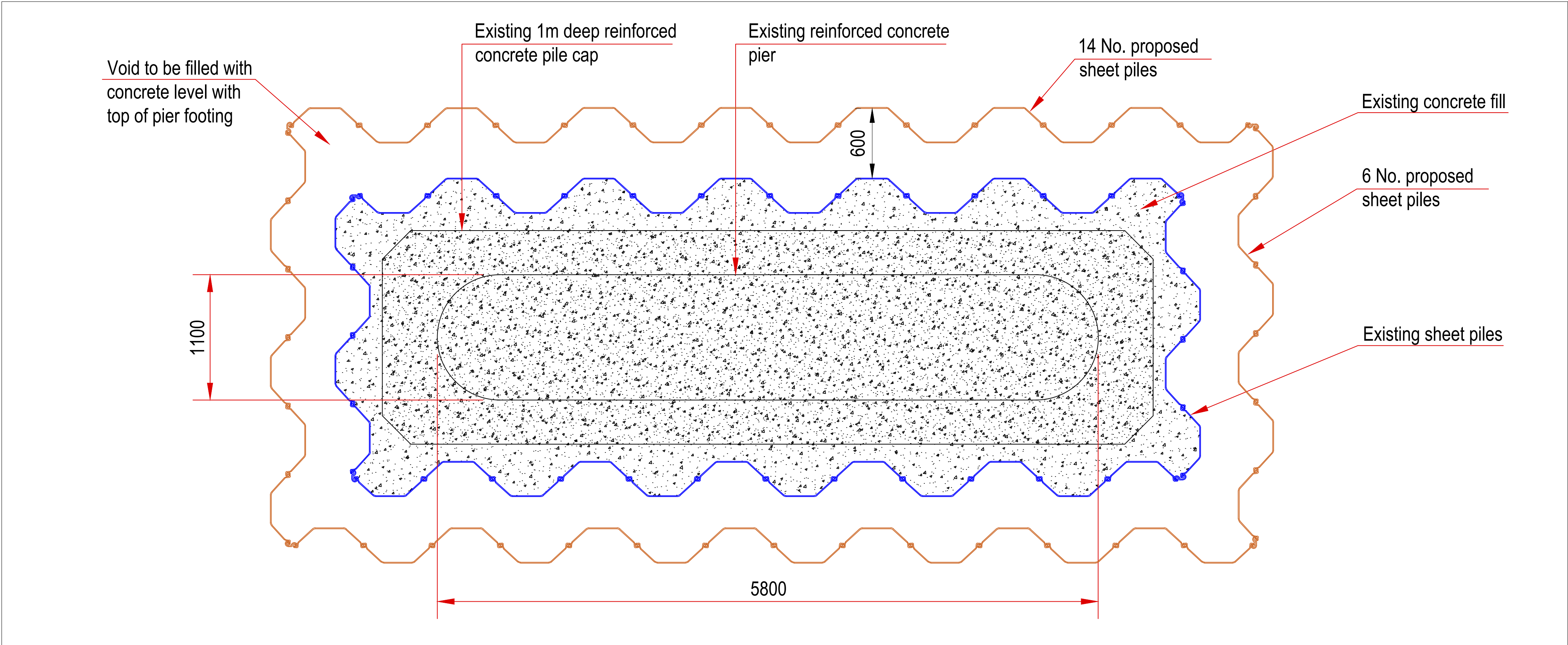
Photo 5 - Exposed rebar at
East Abutment



Photo 6 - Excess vegetation at
West Abutment



Elevation of proposed typical sheet pile arrangement around pier



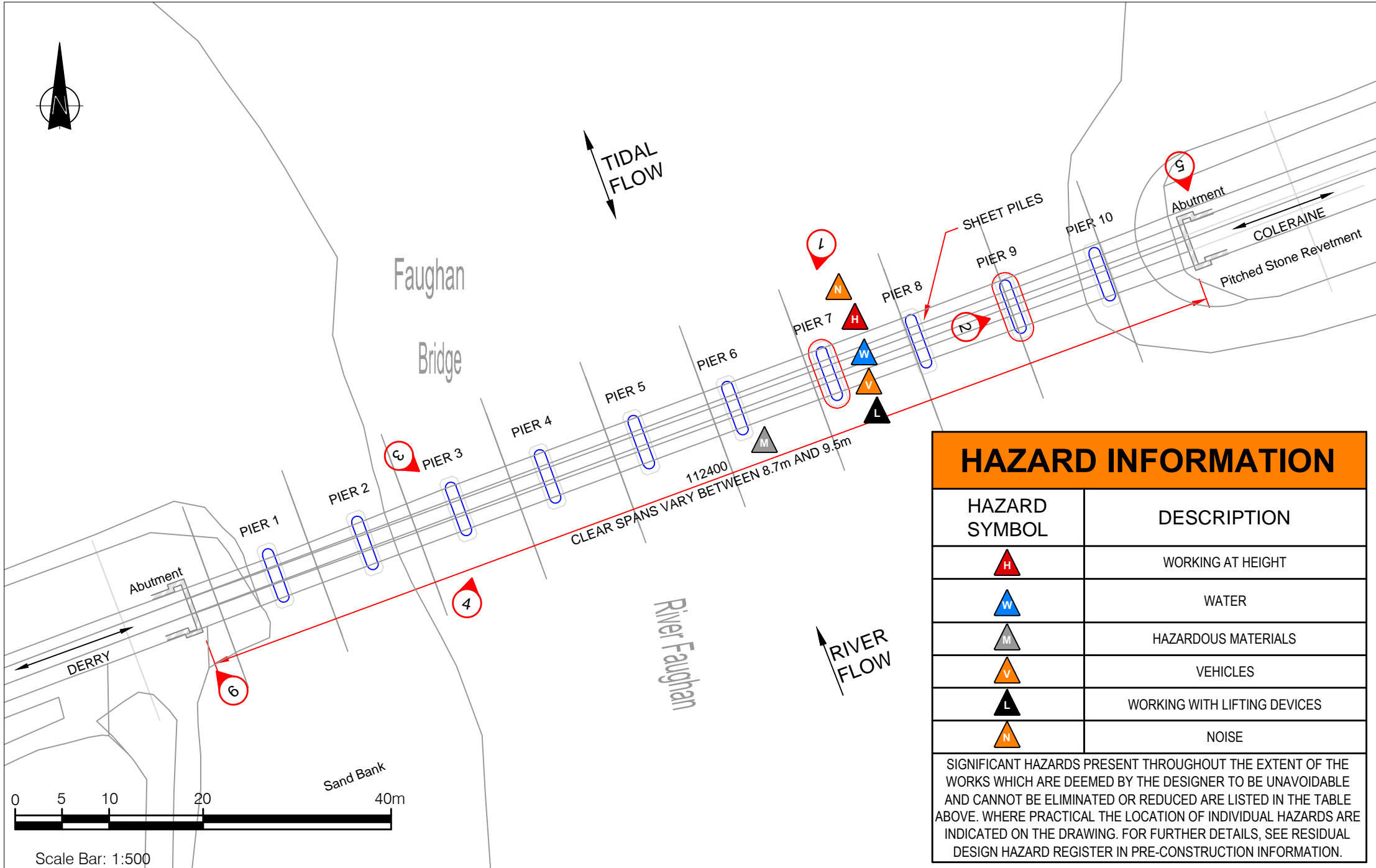
Plan 1: Plan of typical proposed sheet pile arrangement around pier
Scale 1:25

NOTES

Schedule of Repairs

1. Sheet pile around full perimeter of undermined piers 7 & 9, in accordance with Sheet Piling notes (Photos 1 & 2).
2. Remove timber post and metal brackets fitted to bridge piers 3 & 8 (Photo 3 shows typical defect)
3. Remove tree branch debris trapped at the upstream nose of Pier 3 (Photo 4)
4. Repair scour erosion at upstream nose of Piers 5 & 8 in accordance with Concrete Repair Detail - see drawing 60512590-1007-10017-2, Detail 1.
5. Repair defects to surface of previous concrete patch repairs at Piers 3, 4, 6 & 8 in accordance with Concrete Repair Detail - see drawing 60512590-1007-10017-2, Detail 1 (Photo 4).
6. Infill coring holes at all piers in accordance with Concrete Mortar Repair notes.
7. Trim back exposed reinforcement bars on North face of east abutment (Photo 5)
8. Remove vegetation from southern face of western abutment, in accordance with De-vegetation notes (Photo 6)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX			
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.			
THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT.			
NOTES			
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.			
2. DO NOT SCALE FROM THIS DRAWING. USE ONLY PRINTED DIMENSIONS.			
3. ALL DIMENSIONS IN MILLIMETRES. ALL CHANGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.			
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT HEALTH & SAFETY FILE FOR ANY IDENTIFIED POTENTIAL RISKS.			
DE-VEGETATION			
CUT BACK VEGETATION GROWTH OBSCURING FACE OF ABUTMENTS / WING WALLS / RIVER WALLS, INCLUDING ANY OVERHANGING VEGETATION. CUTTINGS SHALL BE REMOVED AND DISPOSED OF OFF-SITE. MORTAR JOINTS SHALL BE FREE OF VEGETATION (SEE RE-POINTING NOTES BELOW). TREE GROWTH SHALL BE CUT BACK AND ROOTS KILLED-OFF BY DRILLING HOLES IN ROOTS AND INJECTING WITH A SUITABLE HERBICIDE.			
SHEET PILING			
1. SHEET PILING DESIGN, INCLUDING PILE SPECIFICATION, MINIMUM EMBEDMENT DEPTH AND TEMPORARY STABILITY MEASURES, SHALL BE PROVIDED BY PILING CONTRACTOR AND SUBMITTED TO NIR FOR APPROVAL.			
2. SHEET PILES SHALL BE EMBEDDED SUFFICIENTLY BELOW EXISTING BED LEVEL TO MITIGATE AGAINST FUTURE SCOUR ACTION.			
3. ONCE SHEET PILES ARE INSTALLED AND FULLY CLUTCHED AROUND THE PERIMETER OF THE PIER FOOTING, BED MATERIAL BETWEEN THE SHEET PILING AND THE PIER SHALL BE REMOVED BY SUCTION DREDGING.			
4. FOLLOWING THE REMOVAL OF THE BED MATERIAL, THE VOID SHALL BE FILLED TO THE TOP OF THE PIER FOOTING WITH C16/20 CONCRETE.			
CONCRETE MORTAR REPAIR			
5. MORTAR REPAIRS TO CONCRETE SHALL BE CARRIED OUT USING FOSROC RENDEROC GP OR SIMILAR APPROVED CONCRETE REINSTATEMENT MORTAR, AND AS FOLLOWS:			
6. SAW CUT OR CUT BACK EXTREMITIES OF THE REPAIR LOCATION TO A DEPTH OF AT LEAST 10mm TO AVOID FEATHER EDGING AND TO PROVIDE A SQUARE EDGE.			
7. BREAK OUT THE COMPLETE REPAIR AREA TO A MINIMUM DEPTH OF 10mm UP TO THE SAWN EDGE.			
8. CLEAN THE SURFACE AND REMOVE ANY DUST, UNSOUND OR CONTAMINATED MATERIAL.			
9. CARE SHOULD BE TAKEN TO ENSURE THAT REPAIR MORTAR IS THOROUGHLY MIXED USING A FORCED-ACTION MIXER AND STRICTLY ADHERING TO PRODUCT MIXING INSTRUCTIONS.			
10. MORTAR SHOULD BE APPLIED TO SUITABLY PRIMED SUBSTRATE USING A GLOVED HAND OR TROWEL AND THOROUGHLY COMPACTED.			
ENVIRONMENTAL CONSIDERATIONS			
11. PRIOR TO COMMENCING ANY WORKS COULD POTENTIALLY ALTER RIVER FLOW CHARACTERISTICS OR CAUSE DISTURBANCE TO THE RIVER BED. APPROPRIATE APPROVAL SHALL BE SOUGHT FROM THE RELEVANT STATUTORY BODIES, INCLUDING BUT NOT EXCLUSIVELY: NIR, DFI, RIVERS LOUGHS AGENCY, DEARA, NIEA.			
12. IF AN INVASIVE SPECIES, INCLUDING JAPANESE KNOT WEED / GIANT HOGWEED / HIMALAYAN BALSAM, IS IDENTIFIED OR SUSPECTED IN THE VICINITY OF THE WORK SITE, WORK SHALL BE STOPPED IMMEDIATELY AND THE APPROPRIATE BODIES, INCLUDING NIR & NIEA, SHALL BE INFORMED IMMEDIATELY.			
Revision Details			
By	Check	Date	Suffix
Purpose of issue			
FOR APPROVAL			
Client			
Project Title			
TRANSLINK FRAMEWORK CONSULTANCY SERVICES 2016-2020			
Drawing Title			
UNDERWATER REPAIRS 10.220 FAUGHAN RIVER			
Designed	Drawn	Checked	Approved
GTM	EM		
URS Internal Project No. 60512590-1007		Suitability	
Scale @ A1		Zone	
AS SHOWN			
THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.			
Beechill House Beechill Road, Belfast BT8 7BP Tel: +44 (0)28 9070 5111 Fax: +44 (0)28 9079 5551 www.aecom.com			
Drawing Number			Rev
60512590-1007-10022-1			A1



General Arrangement
Scale 1:500

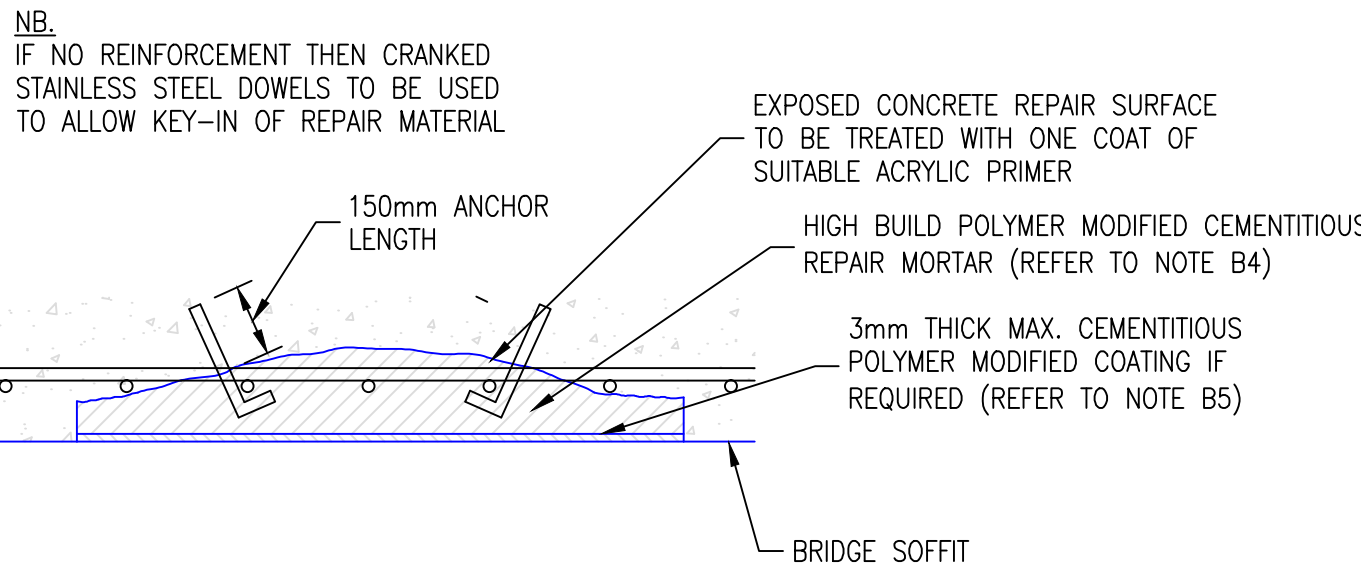
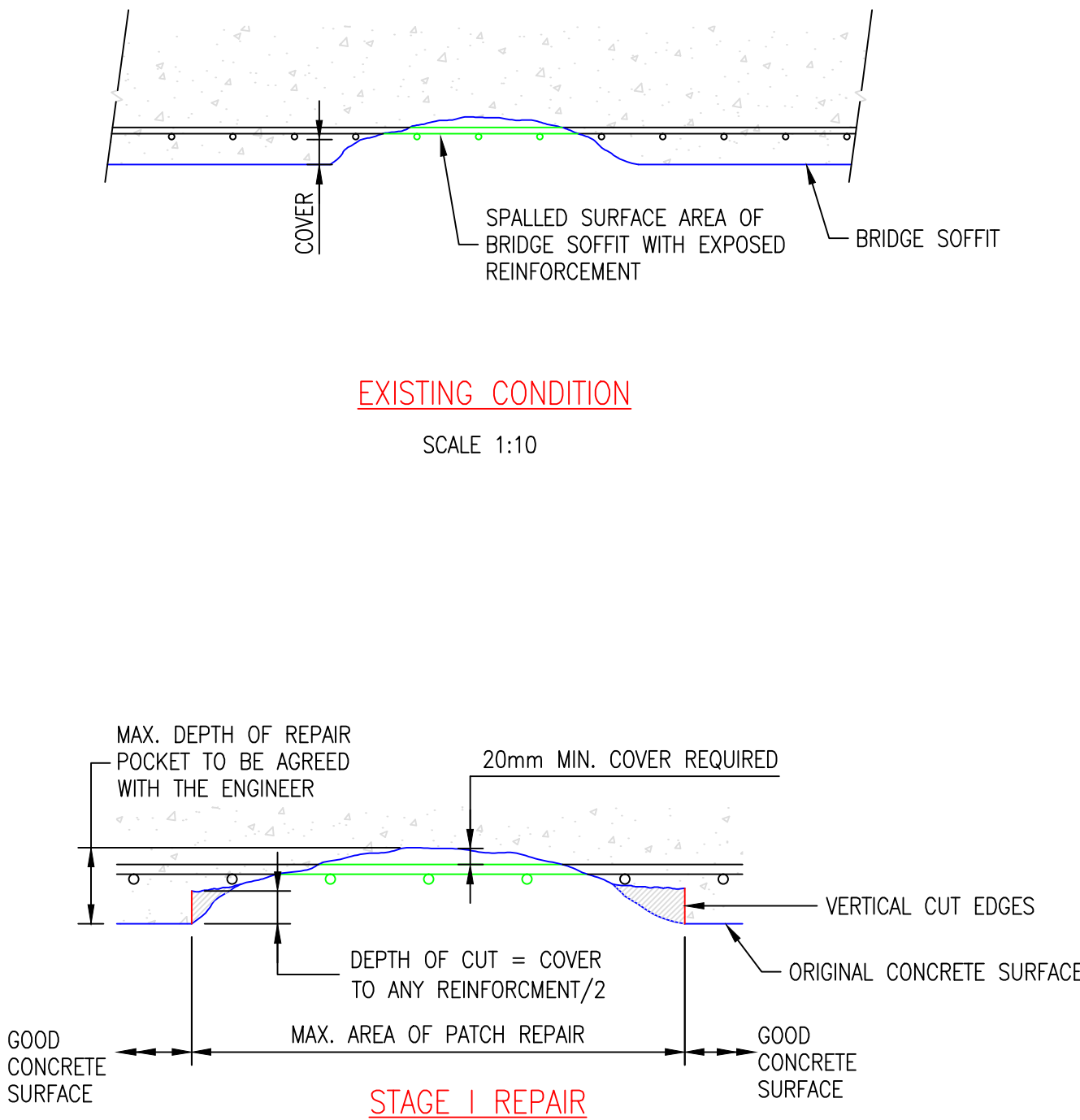


Photo 3 - Timber post at Pier 3



Photo 4 - Pier 3 South
West View

REINFORCED CONCRETE



STAGE II REPAIR

TYPE 1 REPAIR

NOTES

Schedule of Repairs

1. Extend or replace existing sheet piling around full perimeter of Piers 7 & 9, which have become undermined (Photos 1 & 2). Ensure sheet piles are embedded sufficiently below existing bed level to mitigate against future scour action.
2. Once sheet piles are installed fully clutched around the full perimeter, remove loose sediment by suction dredging and fill cofferdam with underwater concrete.
3. Remove Timber post and metal brackets fitted to bridge Piers 3 & 8 (Photo 3 shows typical defect)
4. Remove tree branch debris trapped at the upstream nose of Pier 3 (Photo 4)
5. Repair scour erosion at upstream nose of Piers 5 & 8 (Detail 1)
6. Repair minor defects to surface of patch repairs at the concrete piers on upstream end of Piers 3, 4, 6 & 8 (Photo 4 & Detail 1)
7. Infill coring holes at all piers
8. Repair exposed reinforcement bars in North face of east abutment (Photo 5)
9. Remove vegetation from southern face of western abutment (Photo 6)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION BOX				
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.				
THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT.				
NOTES				
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION				
2. DO NOT SCALE FROM THIS DRAWING. USE ONLY PRINTED DIMENSIONS.				
3. ALL DIMENSIONS IN MILLIMETRES. ALL CHANGES, LEVELS AND COORDINATES ARE IN METRES UNLESS DEFINED OTHERWISE.				
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE PROJECT HEALTH & SAFETY FILE FOR ANY IDENTIFIED POTENTIAL RISKS.				
DE-VEGETATION				
CUT BACK VEGETATION GROWTH OBSCURING FACE OF ABUTMENTS / WING WALLS / RIVER WALLS, INCLUDING ANY OVERHANGING VEGETATION. CUTTINGS SHALL BE REMOVED AND DISPOSED OF OFF-SITE. MORTAR JOINTS SHALL BE FREE OF VEGETATION (SEE RE-POINTING NOTES BELOW). TREE GROWTH SHALL BE CUT BACK AND ROOTS KILLED-OFF BY DRILLING HOLES IN ROOTS AND INJECTING WITH A SUITABLE HERBICIDE.				
ENVIRONMENTAL CONSIDERATIONS				
1. PRIOR TO COMMENCING ANY WORKS COULD POTENTIALLY ALTER RIVER FLOW CHARACTERISTICS OR CAUSE DISTURBANCE TO THE RIVER BED, APPROPRIATE APPROVAL SHALL BE SOUGHT FROM THE RELEVANT STATUTORY BODIES, INCLUDING BUT NOT EXCLUSIVELY, NIR, DFI RIVERS LOUGHS AGENCY, DEARA, NIEA.				
2. IF AN INVASIVE SPECIES, INCLUDING JAPANESE KNOT WEED / GIANT HOGWEED / HIMALAYAN BALSAM, IS IDENTIFIED OR SUSPECTED IN THE VICINITY OF THE WORK SITE, WORK SHALL BE STOPPED IMMEDIATELY AND THE APPROPRIATE BODIES, INCLUDING NIR & NIEA, SHALL BE INFORMED IMMEDIATELY.				
Revision Details				
By				
Date				
Suffix				
Purpose of issue				
FOR APPROVAL				
Client				
Project Title				
TRANSLINK FRAMEWORK CONSULTANCY SERVICES 2016-2020				
Drawing Title				
UNDERWATER REPAIRS				
10.220 FAUGHAN RIVER (Sheet 2 of 2)				
Designed GTM				
Drawn EM				
Checked				
Approved				
Date JAN '18				
Project No. 60512590-1007				
Suitability				
Scale @ A1				
Zone				
AS SHOWN				
THIS DOCUMENT HAS BEEN PREPARED PURSUANT TO AND SUBJECT TO THE TERMS OF AECOM'S APPOINTMENT BY ITS CLIENT. AECOM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS ORIGINAL CLIENT OR FOLLOWING AECOM'S EXPRESS AGREEMENT TO SUCH USE, AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED.				
Beechill House Beechill Road, Belfast BT8 7BP Tel: +44 (0)28 9070 5111 Fax: +44 (0)28 9079 5551 www.aecom.com				
AECOM				
Drawing Number				
60512590-1007-10022-2				
Rev				
A1				

Appendix C

47075660 - MLA-DS- 10.220 - Designated Sites



Reproduced from the Ordnance Survey of Northern Ireland
1:50000 map with the permission of the
Director & Chief Executive, © Crown Copyright.

This document has been prepared in accordance with the scope of AECOM's appointment with its client and is subject to the terms of that appointment. AECOM accepts no liability for any use of this document other than by its client and only for the purposes for which it was prepared and provided. Only written dimensions shall be used.
© 2015 AECOM

Client:



COUNTY DONEGAL
REPUBLIC OF
IRELAND

MAGILLIGAN
SAC

LOUGH FOYLE
Ramsar

LOUGH FOYLE
SPA

LOUGH FOYLE
ASSI

UB 10.220
RIVER FAUGHAN BRIDGE

RIVER FAUGHAN AND
TRIBUTARIES
ASSI

KEY



AREA OF SPECIAL SCIENTIFIC
INTEREST (ASSI)



SPECIAL PROTECTION AREA
(SPA)



SPECIAL CONSERVATION AREA
(SAC)



RAMSAR

Drawing Title

NIR STRUCTURES
UNDERWATER EXAMINATIONS
FAUGHAN BRIDGE 10.220
DESIGNATED SITES

Scale @ A4
NTS

Drawn
RMCA

Checked
MJG

Approved
RB

Date
JAN 2016

Rev
P1

Drawing Number
47075660 - MLA-DS 10.220

AECOM

www.aecom.com