

NOTICE TO MARINERS

Issue Date: 14th May, 2014

Western HVDC Link Project – AC Cable Horizontal Directional Drill (HDD), River Dee Estuary

Mariners are advised that the Directional Drill element of the Western Link HVAC Cable will commence 24th May. The Drill will enter ground within Shotton Steel works, exiting on land adjacent to the River Dee on the site of the former EON powerstation. The drill will pass 12m below the River Bed, with all works undertaken according to Marine Licence CML 1337v1.

The HDD is being undertaken by LMR Drilling.

A Plan detailing the alignment and Coordinates is presented below.

Contact Details:

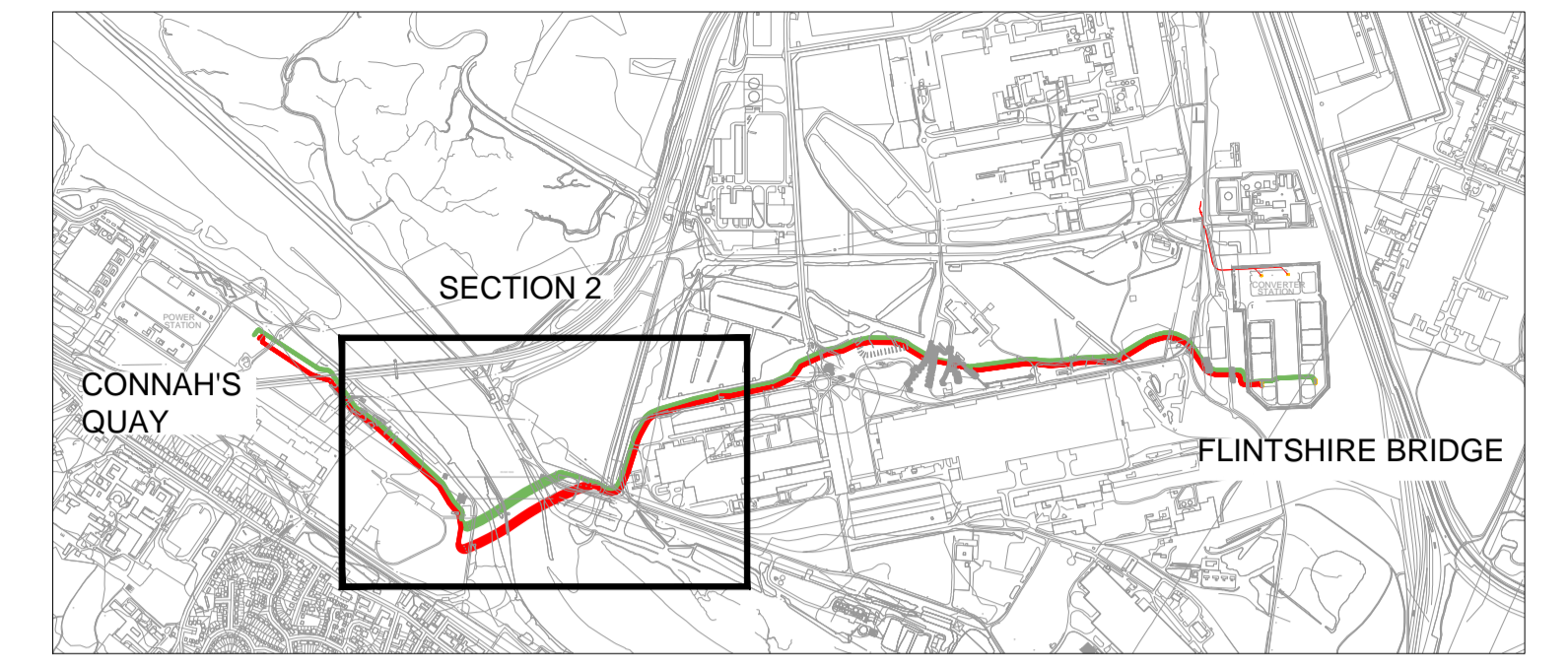
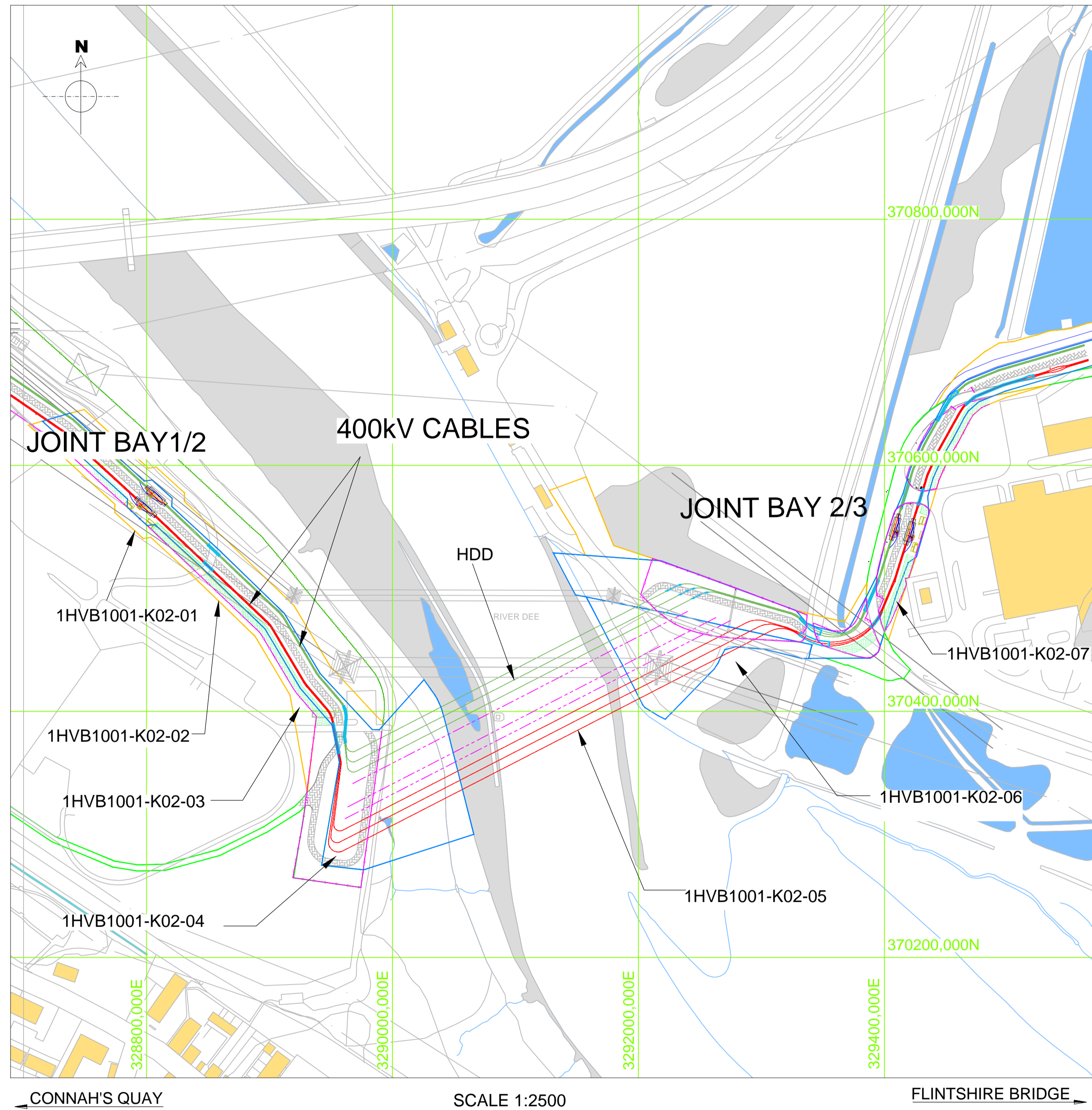
Further enquiries should be addressed to the following contacts:

Licence Holder

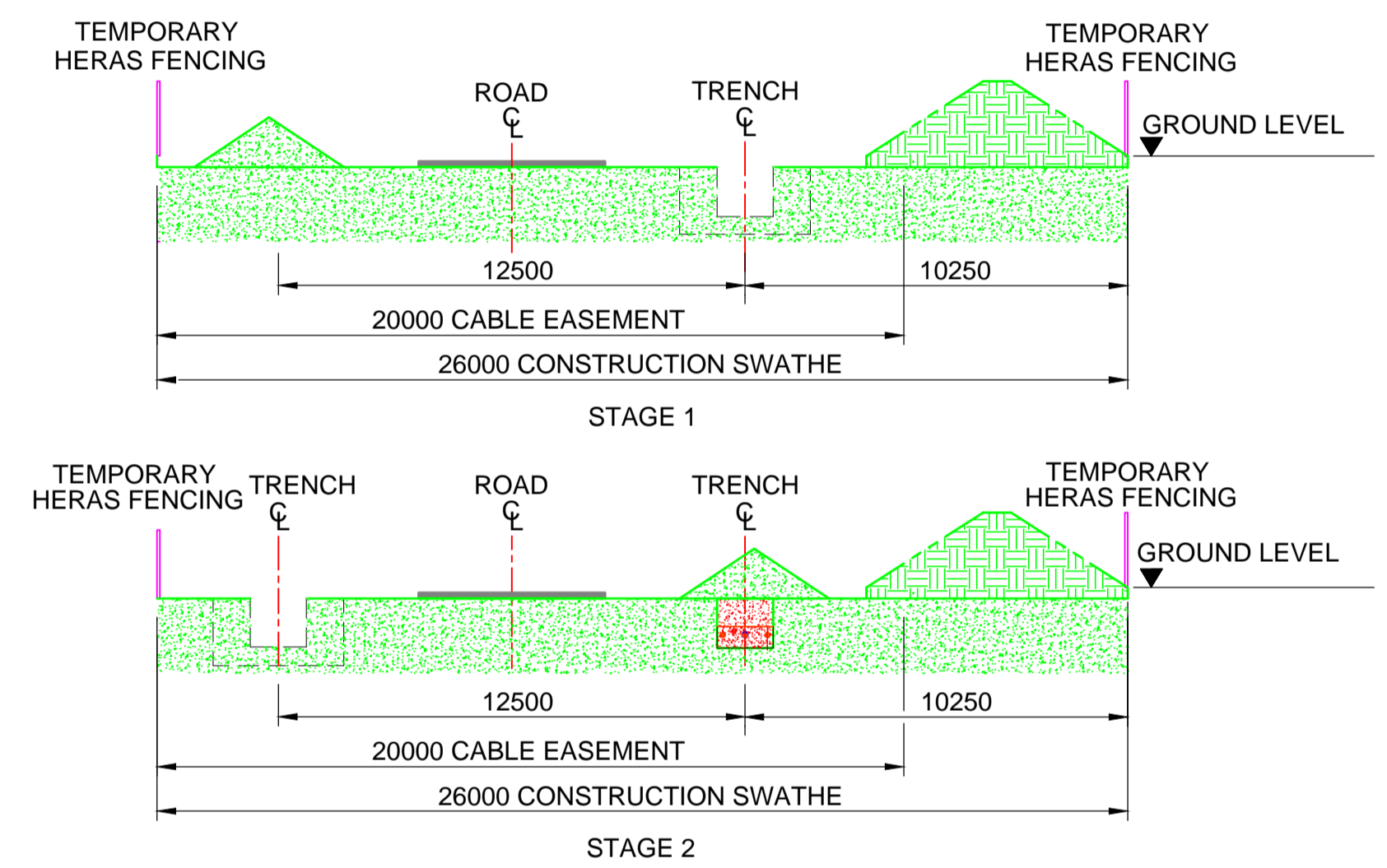
Western Link
Claire Duffy
SP Power Systems
claire.duffy@sppowersystems.com

Project Manager

Prysmian Cables and Systems Ltd
Patryk Rucki
patryk.rucki@prysmiangroup.com
Mobile: +44 (0) 7971-327644



- LEGEND**
- EXISTING GROUND LEVEL
 - PROPOSED GROUND LEVEL
 - TEMPORARY WORKING EASEMENT
 - CABLE EASEMENT
 - AC ACCESS
 - HAUL ROAD
 - ▨ TOPSOIL STOCKPILE
 - CENTRE LINE OF 400kV AC CABLE - FLINTSHIRE BRIDGE 1
 - CENTRE LINE OF 400kV AC CABLE - FLINTSHIRE BRIDGE 2
 - HERAS FENCING



- NOTES:**
- RISK LEVEL OF UNEXPLODED ORDNANCE CONSIDERED LOW THROUGHOUT.
 - EVERY EFFORT HAS BEEN MADE IN ADVANCE TO IDENTIFY SERVICES BY GPR SURVEY, ROUTE RECORDS AND TRIAL HOLE. THERE MAY, HOWEVER, BE ADDITIONAL UNRECORDED SERVICES OR OBSTRUCTIONS. BOTH THE VERTICAL AND HORIZONTAL ALIGNMENTS OF THE CABLE ROUTE WILL THEREFORE BE SUBJECT TO POSSIBLE ADJUSTMENTS TO AVOID CONFLICT.

- REFERENCE DRAWINGS:**
- 1HVB1001-K02-01 JOINT BAY 1/2 ARRANGEMENT
 - 1HVB1001-K02-02 ACCESS TRACK CROSSING - SECTION 2
 - 1HVB1001-K02-03 OHL CROSSING - SECTION 2
 - 1HVB1001-K02-04 RIVER CROSSING - SECTION 2
 - 1HVB1001-K02-05 HDD RIVER DEE CROSSING - SECTION 2
 - 1HVB1001-K02-06 HDD COMPOUND - RIVER CROSSING - SECTION 2
 - 1HVB1001-K02-07 NORTH ROAD CROSSING - SECTION 2

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THIRD ANGLE PROJECTION DO NOT SCALE IF IN DOUBT ASK

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
DRAWING GENERALLY TO BS 8888.
ALL SPECIFICATIONS AND STANDARDS TO BE LATEST ISSUE IN ACCORDANCE WITH CONTRACT REQUIREMENTS.

THE DESIGNS & INFORMATION CONTAINED ON THIS DRAWING ARE THE PROPERTY OF PRYSMIAN CABLES & SYSTEMS AND ARE NOT TO BE TRACED, COPIED OR MISUSED IN ANY WAY.

ISSUE	DATE	DESCRIPTION	FOR COMPLIANCE AUDIT	FOR COMMENT	DRAWN	CHECKED	APPROVED
2	10.04.14	NG DRAWING No. ADDED, CABLE ROUTE UPDATED TO SHOW REVISED ARRANGEMENT.	HHB	AGH	JMO		
1	04.12.13	FIRST ISSUE	HHB	AGH	JMO		

TITLE
FLINTSHIRE BRIDGE
SECTION 2
400kV AC CABLE ROUTE

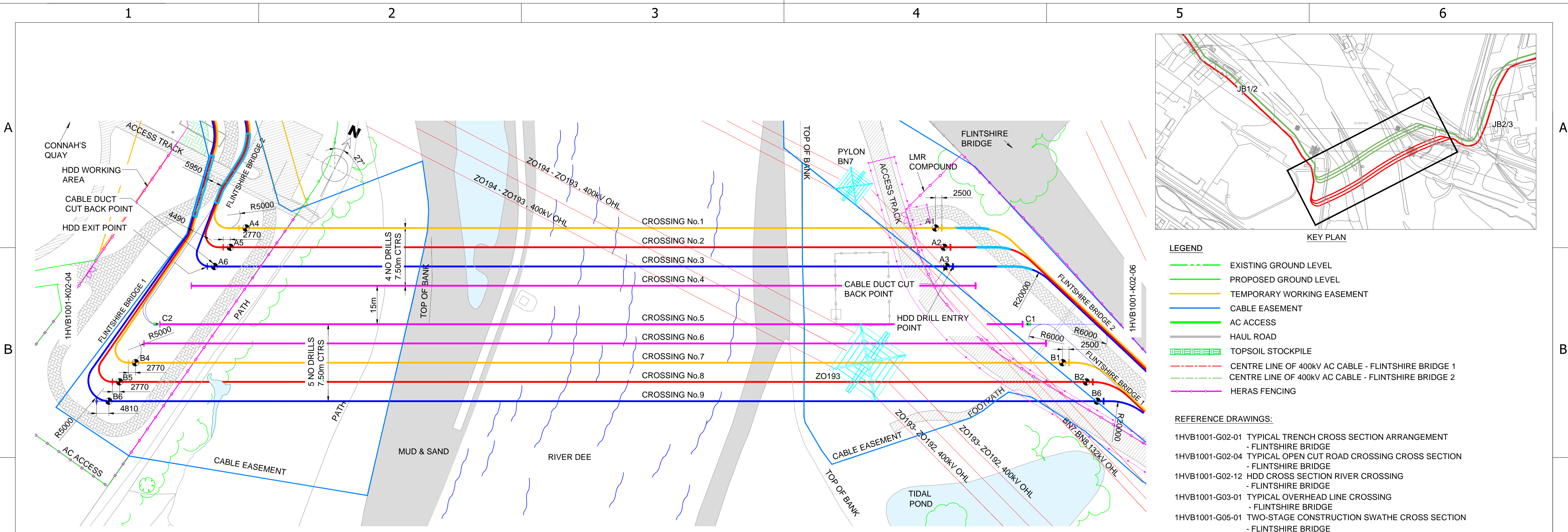
PROJECT: WESTERN LINK
400kV CABLES

SCALE: 1:2500

DRAWING NUMBER: 1HVB1001-K02-00
ISSUE: 2

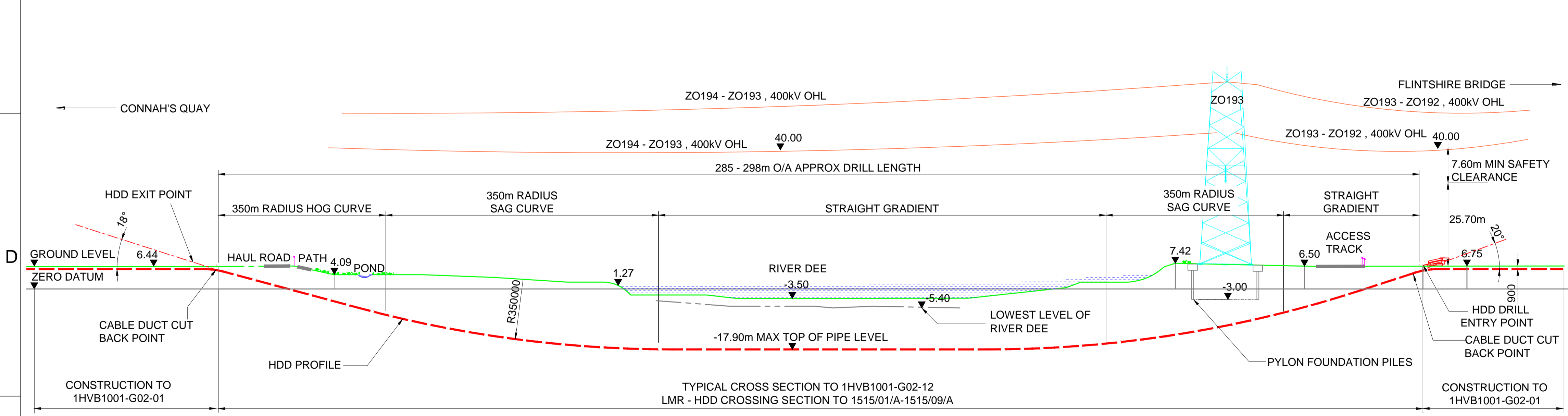
Customer
NGET / SPT UPGRADES Ltd.
National Grid Dwg. No.
71/PR/0211
This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.





- LEGEND**
- EXISTING GROUND LEVEL
 - PROPOSED GROUND LEVEL
 - TEMPORARY WORKING EASEMENT
 - CABLE EASEMENT
 - AC ACCESS
 - HAUL ROAD
 - TOPSOIL STOCKPILE
 - CENTRE LINE OF 400KV AC CABLE - FLINTSHIRE BRIDGE 1
 - CENTRE LINE OF 400KV AC CABLE - FLINTSHIRE BRIDGE 2
 - HERAS FENCING
- REFERENCE DRAWINGS:**
- 1HVB1001-G02-01 TYPICAL TRENCH CROSS SECTION ARRANGEMENT - FLINTSHIRE BRIDGE
 - 1HVB1001-G02-04 TYPICAL OPEN CUT ROAD CROSSING CROSS SECTION - FLINTSHIRE BRIDGE
 - 1HVB1001-G02-12 HDD CROSS SECTION RIVER CROSSING - FLINTSHIRE BRIDGE
 - 1HVB1001-G03-01 TYPICAL OVERHEAD LINE CROSSING - FLINTSHIRE BRIDGE
 - 1HVB1001-G05-01 TWO-STAGE CONSTRUCTION SWATHE CROSS SECTION - FLINTSHIRE BRIDGE
 - 1HVB1001-G06-01 TYPICAL HERAS FENCING
 - 1515/01/A-1515/09/A LMR - HDD CROSSING No.1 - No.9 LONGITUDINAL SECTION AND PLAN

PLAN VIEW
SCALE 1:750



TYPICAL HDD DUCTED CABLE SECTION
SCALE 1:750

SETTING OUT DETAILS CABLE ENTRY POINTS			
POINT	EASTING	NORTHING	NOTES
A1	329215,620	370494,073	CABLE DUCT CUT BACK
A2	329222,026	370488,927	CABLE DUCT CUT BACK
A3	329226,288	370482,682	CABLE DUCT CUT BACK
B1	329283,746	370470,047	CABLE DUCT CUT BACK
B2	329295,406	370467,608	CABLE DUCT CUT BACK
B3	329302,611	370462,875	CABLE DUCT CUT BACK
C1	329265,732	370477,654	FIBRE PIT

SETTING OUT DETAILS CABLE EXIT POINTS			
POINT	EASTING	NORTHING	NOTES
A4	328976,341	370371,104	CABLE DUCT CUT BACK
A5	328974,279	370361,619	CABLE DUCT CUT BACK
A6	328972,215	370352,128	CABLE DUCT CUT BACK
B4	328961,954	370304,690	CABLE DUCT CUT BACK
B5	328959,840	370295,212	CABLE DUCT CUT BACK
B6	328959,576	370286,597	CABLE DUCT CUT BACK
C2	328961,413	370321,275	FIBRE PIT

* NOTE: REFER TO LMR DRAWING FOR INDIVIDUAL SECTION THROUGH CROSSING NUMBER.

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ISSUE	DATE	DESCRIPTION	FOR COMPLIANCE AUDIT	FOR COMMENT	HHB	AGH	JMO
2	10.04.14	UPDATE HDD CROSSING TO LMR DOCUMENT, NG DRAWING No. ADDED, G66 REQUIREMENT CONFIRMED.					
1	17.12.13	FIRST ISSUE					

Customer
NGET / SPT UPGRADES Ltd.
National Grid Dwg. No.
71/PR/0216
This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

**SIEMENS
Prysmian
Group**

PRYSMIAN

TITLE
**FLINTSHIRE BRIDGE
- SECTION 2**

PROJECT
WESTERN LINK
400KV CABLES

DRAWN
HHB

CHECKED
AGH

APPROVED
JMO

SCALE
AS ABOVE

DRAWING NUMBER
1HVB1001-K02-05

ISSUE
2