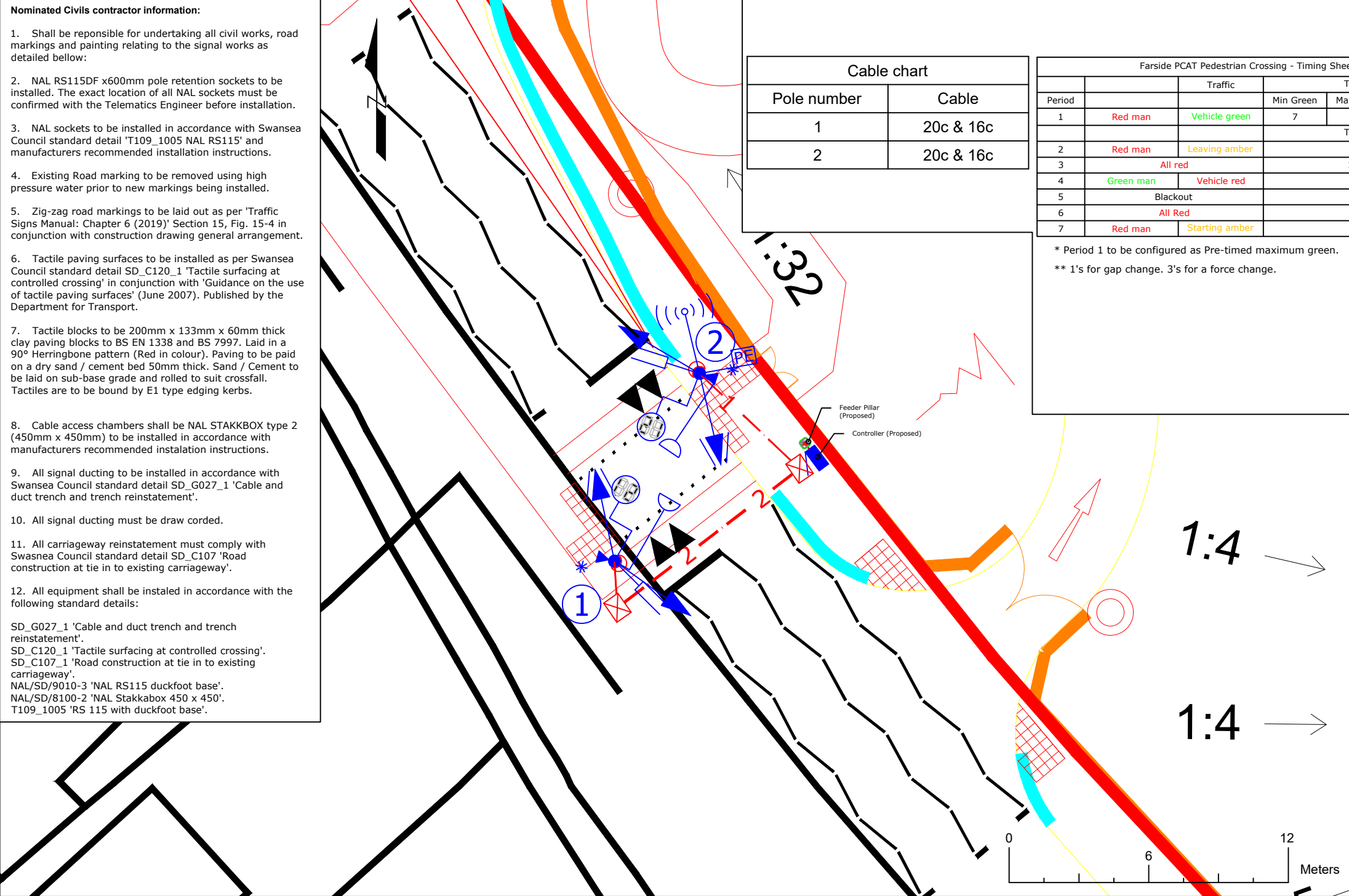


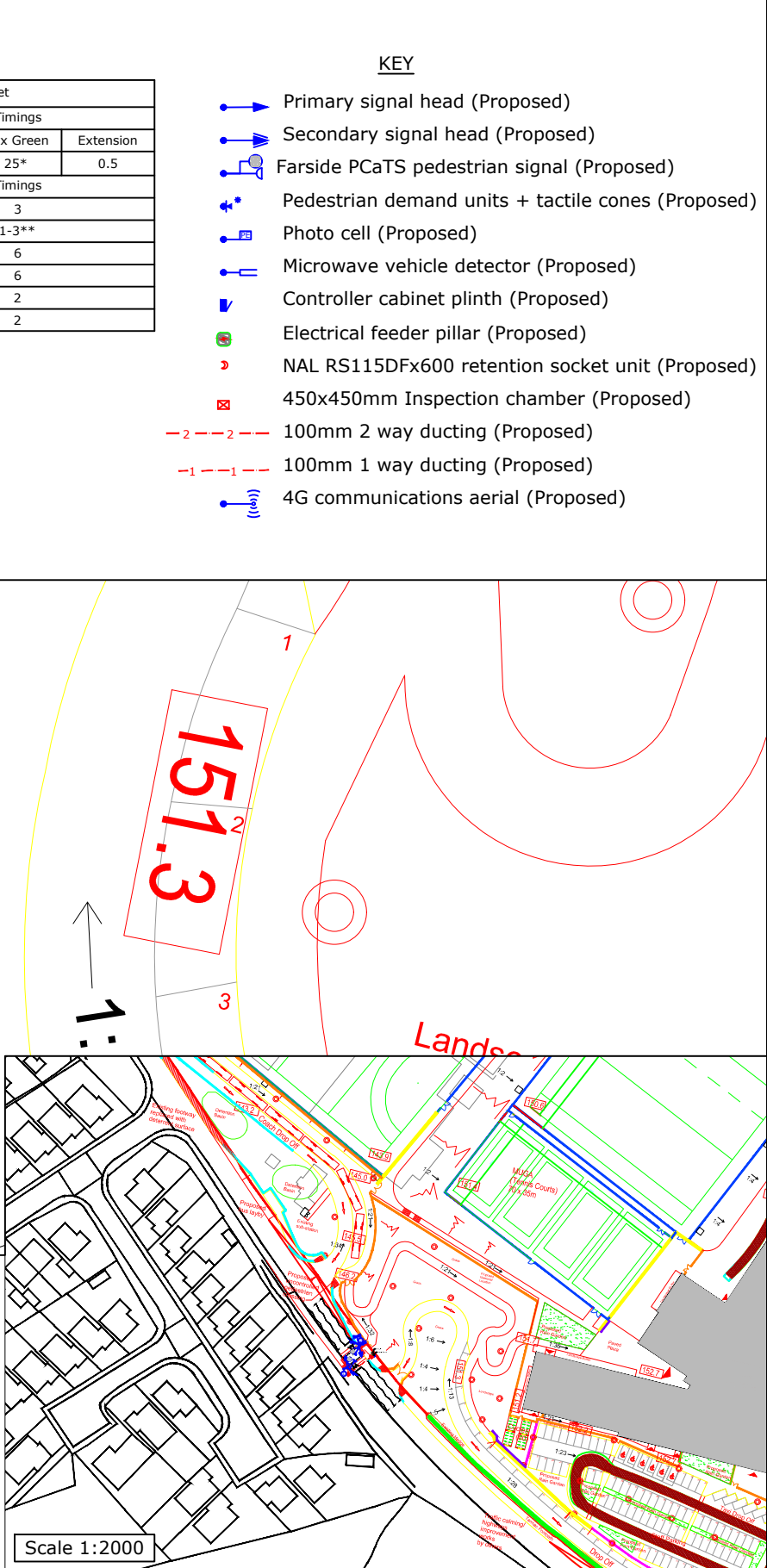
- Nominated Civils contractor information:**
1. Shall be responsible for undertaking all civil works, road markings and painting relating to the signal works as detailed below:
 2. NAL RS115DF x600mm pole retention sockets to be installed. The exact location of all NAL sockets must be confirmed with the Telematics Engineer before installation.
 3. NAL sockets to be installed in accordance with Swansea Council standard detail 'T109_1005 NAL RS115' and manufacturers recommended installation instructions.
 4. Existing Road marking to be removed using high pressure water prior to new markings being installed.
 5. Zig-zag road markings to be laid out as per 'Traffic Signs Manual: Chapter 6 (2019)' Section 15, Fig. 15-4 in conjunction with construction drawing general arrangement.
 6. Tactile paving surfaces to be installed as per Swansea Council standard detail SD_C120_1 'Tactile surfacing at controlled crossing' in conjunction with 'Guidance on the use of tactile paving surfaces' (June 2007). Published by the Department for Transport.
 7. Tactile blocks to be 200mm x 133mm x 60mm thick clay paving blocks to BS EN 1338 and BS 7997. Laid in a 90° Herringbone pattern (Red in colour). Paving to be paid on a dry sand / cement bed 50mm thick. Sand / Cement to be laid on sub-base grade and rolled to suit crossfall. Tactiles are to be bound by E1 type edging kerbs.
 8. Cable access chambers shall be NAL STAKKBOX type 2 (450mm x 450mm) to be installed in accordance with manufacturers recommended installation instructions.
 9. All signal ducting to be installed in accordance with Swansea Council standard detail SD_G027_1 'Cable and duct trench and trench reinstatement'.
 10. All signal ducting must be draw corded.
 11. All carriageway reinstatement must comply with Swasnea Council standard detail SD_C107 'Road construction at tie in to existing carriageway'.
 12. All equipment shall be instaled in accordance with the following standard details:

SD_G027_1 'Cable and duct trench and trench reinstatement'.
SD_C120_1 'Tactile surfacing at controlled crossing'.
SD_C107_1 'Road construction at tie in to existing carriageway'.
NAL/SD/9010-3 'NAL RS115 duckfoot base'.
NAL/SD/8100-2 'NAL Stakkabox 450 x 450'.
T109_1005 'RS 115 with duckfoot base'.



- Nominated traffic signals contractor information:**
1. Controller to be 48V (ELV) microprocessor type and comply with DFT specification TR2500A, and to include for all necessary detection.
 2. Controller shall be UG405 compliant, to allow for IP communications, and be fully compatible with City & County of Swansea Peek UTC system on the integrity platform.
 3. Now Wireless VMAeA & IA4G units, including all necessary mounting equipment & ancillary equipment shall be installed on pole 2.
 4. All signal heads, pedestrian heads, reg heads and push button units shall be latest type approved 48v (ELV) LED type.
 5. Controller cabinet base unit to be installed by nominated civil contractor.
 6. 1 no. 20-core cable shall be laid from the controller to all signal poles.
 7. 1 no. 16 core cable shall be laid from the controller to all signal poles.
 8. 1 no. Ca5e cable shall be laid from the controller to pole 1.
 9. Undertake all necessary wiring both in the controller and on street. All multicore cable shall be installed as per standard detail T109_1003_ELV as far as reasonably practical.
 10. Supply and installation of mains cable form electrical feeder pillar to proposed controller location including making off & termination of supply cable within the feeder pillar & controller.
 11. Rotating Tactile devices and bleeper units shall be installed on all push button units
 12. The push button centers shall be installed between 1 and 1.1m from footway level.
 13. Microwave Vehicle Detectors detectors to be installed on poles 1 & 2.
 14. Photocell shall be installed on pole 2.
 15. Signal poles shall be standard 4m signal poles with associated pole cap assemblies. To be supplied grey in colour.
 16. All poles to be installed in NAL RS115DF x600 pole retention socket. Sockets to be installed by Civils contractor prior to signal contractor arriving on site.

17. Pelican shall be vehicle actuated / Pre-timed max operation and configured as per attached timing sheet.
18. All traffic signal equipment and installation shall conform to Telematics Specification T900_101.
29. Farside Red/Green Man aspects will be fitted with PCaTS units in an 'L' shape configuration.



Rev	Date	Details	Dr	Ch	Ap

- NOTES**
1. THIS IS A CAD DRAWING AND SHOULD NOT BE AMENDED BY HAND.
 2. All dimensions in millimeters unless otherwise stated.
 3. ©Hawlfraint y Goron a hawliau cronfa ddata 2016 Yr Arolwg Ordnans 100023509.
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 4. Any errors or omissions to be reported to the Designer.

A3	TENDR - TENDER		
Dyluniwyd Drawn	GAN	Teitl Title	Cyngor Abertawe Swansea Council CYFARWYDDIAETH LLEOEDD DIRECTORATE OF PLACE STUART DAVIES B Eng., C.Eng., M.I.C.E., MBA. PENNAETH PRIFYRDOD A CHILUDANT HEAD OF HIGHWAYS & TRANSPORTATION
Archwiliwyd Checked	GDJ	NPCBC 2020/21	
Cymeradwywyd Approved	MJB	CEFN SAESON, CIMLA PEDEX	
Dyddiad Date	May '20	GENERAL ARRANGEMENT	
Graddfa Scale	1:200		
Rhif y Dyluniad Drawing No		T900_100_001	-