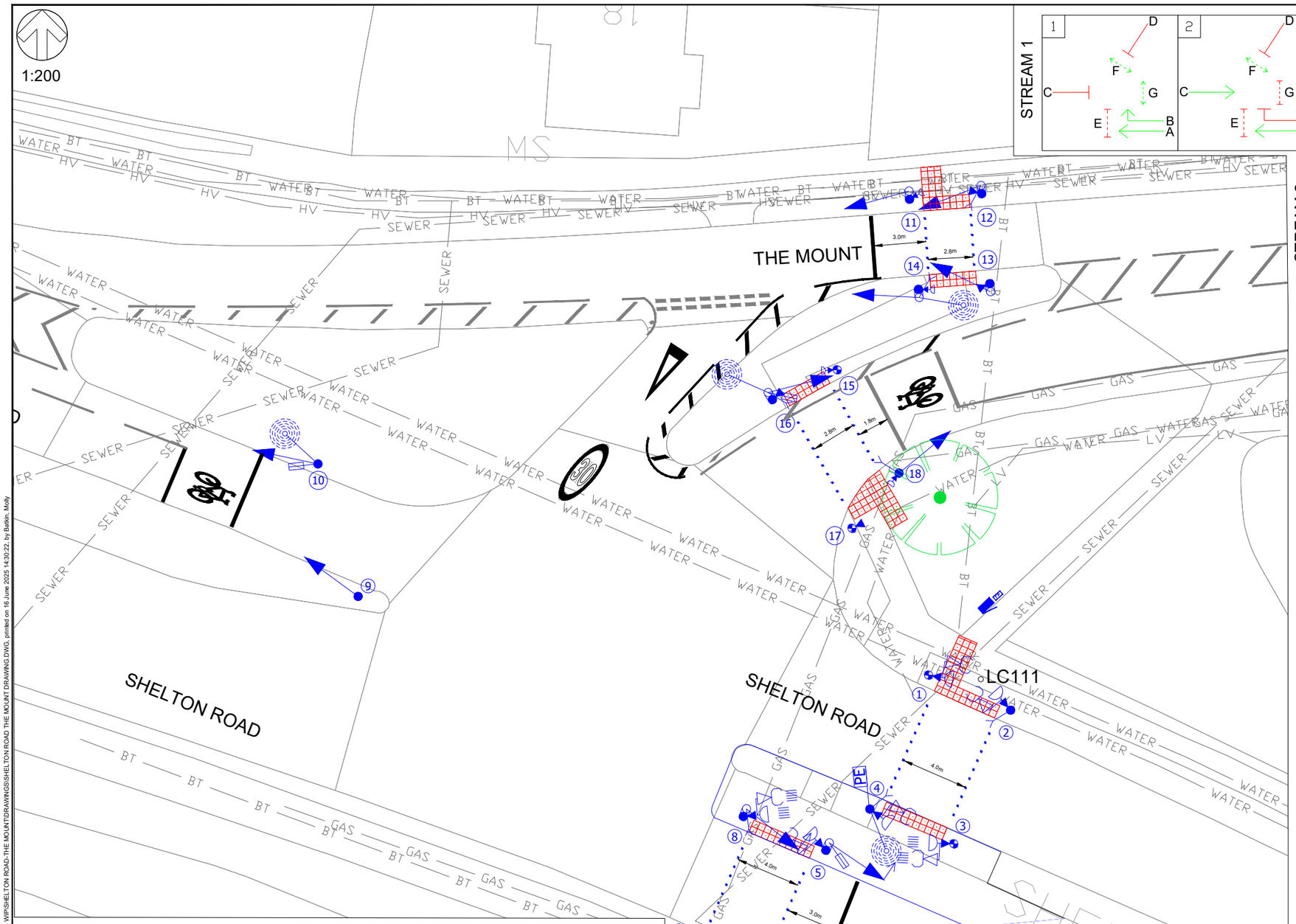

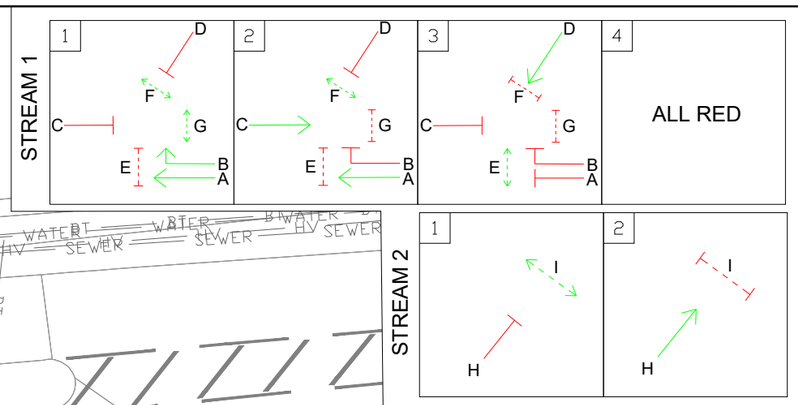

RESIDUAL DESIGN HAZARDS

Indicates a Residual Risk as a warning

Hazard No.s
1. Live traffic
2. Pedestrian movements
3. Underground HV services
4. Underground LV services
5. Underground water main
6. Underground LP gas main
7. Underground BT apparatus
8. Underground sewer main

AT ALL LOCATIONS OF TRAFFIC SIGNAL EQUIPMENT INSTALLATION

DO NOT SCALE

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TRAFFIC SIGNALS NOTES:

1. LOCATION: SHELTON ROAD, SHREWSBURY, SY3 8XP (346777 , 313183)
2. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER CONTRACT WORKS INFORMATION.
3. DRAWING TO BE PRINTED IN COLOUR.
4. ANY DISCREPANCIES SHOULD BE REPORTED TO THE DESIGNER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORKS.
5. ALL WORKS ARE TO BE IN ACCORDANCE WITH SHROPSHIRE COUNCIL'S SPECIFICATION AND STANDARD DETAILS.
6. THE UTILITIES INFORMATION ON THIS DRAWING IS BASED ON INFORMATION AND/OR DATA PROVIDED BY THIRD PARTIES INCLUDING STATUTORY UTILITY COMPANIES* AND AS SUCH IS CONTINGENT UPON THE ACCURACY AND COMPLETENESS OF THAT INFORMATION AND/OR DATA. WSP UK LIMITED SHALL NOT BE LIABLE IN RELATION TO ANY INACCURACY PRESENTED WITHIN THE DRAWING AND/OR IN RELATION TO ANY DISCREPANCY OR AMBIGUITY WITH ANY OTHER PROJECT DOCUMENTS SHOULD ANY DATA AND/OR INFORMATION UPON WHICH RELIANCE HAS BEEN BASED BE INCORRECT OR OUT OF DATE OR HAVE BEEN CONCEALED, WITHHELD, OR BE INCOMPLETE, MISREPRESENTED OR OTHERWISE NOT FULLY DISCLOSED TO WSP UK LIMITED. *STATUTORY UTILITY COMPANIES INCLUDE BUT ARE NOT LIMITED TO THOSE COMPANIES RESPONSIBLE FOR ELECTRIC, GAS, TELECOMMUNICATIONS AND WATER SUPPLIES.
7. THE CONTRACTOR IS TO ESTABLISH ALL UTILITY LOCATIONS AND COORDINATE SAFE WORKING PROCEDURES BEFORE ANY EXCAVATION WORKS TAKE PLACE.
8. THERE IS A SCALING ISSUE WITH KEY SIGNALS SYMBOLS.THE CONTRACTOR IS TO CHECK ALL DIMENSIONS ON SITE AND REPORT ANY DICREPANCIES TO THE SITE SUPERVISOR.
9. TAR IS PRESENT THROUGHOUT THE SITE: NO CORES HAVE BEEN TAKEN AND THE CONTRACTOR IS TO TREAT ALL ARISINGS AS TAR BOUND MATERIAL AND ARRANGE FOR DISPOSAL TO AN APPROPRIATE HAZARDOUS WASTE FACILITY.
10. THIS IS TO BE AN EXTRA LOW VOLTAGE INSTALLATION.
11. LOW ACCESS DOORS SHALL BE SITED ON THE OPPOSITE SIDE OF THE POLE TO ONCOMING TRAFFIC.
12. ALL SIGNAL POLES AND CABINET DOORS SHALL BE EARTHED USING EARTH STRAPS.
13. ALL ON-STREET EQUIPMENT IS TO BE BLACK.
14. THE CONTRACTOR IS RESPONSIBLE FOR DESIGNING THE CABLE SCHEDULE. EACH CABLE SHALL HAVE A MINIMUM OF 25% OR 4 SPARE CORES AVAILABLE, WHICHEVER IS GREATER.
15. THE CONTROLLER SHALL BE FITTED WITH A METRON4 MONITORING UNIT WHICH SHALL MONITOR LAMP FAULTS, DETECTOR FAULTS AND LAMPS OFF. THE UNIT IS TO BE POWERED FROM THE CONTROLLERS 230V REGS SUPPLY AND MUST COME WITH A LAST GASP BATTERY TO ALLOW POWER FAILURE FAULTS TO BE REPORTED. THE SIM CARD SHALL BE PROVIDED WITH THE UNIT.

POLE SCHEDULE

POLE NUMBER	POLE TYPE	PASSIVE SAFE CLASSIFICATION	SIGNAL HEADS			OTHER EQUIPMENT									
						COMBINED LED TOUCAN DISPLAY AND PBU UNIT	COMBINED LED NFOV TOUCAN DISPLAY AND PBU UNIT	COMBINED LED PUFFIN DISPLAY AND PBU UNIT	PUSH BUTTON UNIT	TACTILE CONE	HANDS FREE UNIT	ON X-ING DETECTOR	ACCESS POINT	SOLAR CELL	AGD 650 DETECTOR
01	2.5m STUB POLE	70:HE:NR:NR:NR:MD:0				✓				✓	✓				
02	4m STRAIGHT POLE	70:HE:NR:NR:NR:MD:0				✓				✓	✓	✓			
03	2.5m STUB POLE	70:HE:NR:NR:NR:MD:0					✓			✓	✓				
04	4m STRAIGHT POLE	70:HE:NR:NR:NR:MD:0				✓				✓	✓	✓	✓	✓	
05	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0			✓	✓				✓	✓				✓
06	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0		✓		✓				✓	✓	✓			
07	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0		✓		✓				✓	✓				
08	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0			✓		✓			✓	✓	✓			
09	4m STRAIGHT POLE	70:HE:NR:NR:NR:MD:0	✓												
10	4m STRAIGHT POLE	70:HE:NR:NR:NR:MD:0	✓										✓		✓
11	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0	✓					✓		✓	✓				
12	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0	✓						✓	✓	✓	✓			
13	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0	✓						✓	✓	✓				
14	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0	✓					✓		✓	✓	✓	✓		
15	2.5m STUB POLE	70:HE:NR:NR:NR:MD:0						✓		✓	✓				
16	4m CRANKED POLE	70:HE:NR:NR:NR:MD:0	✓						✓	✓	✓	✓	✓		✓
17	2.5m STUB POLE	70:HE:NR:NR:NR:MD:0							✓	✓	✓				
18	4m STRAIGHT POLE	70:HE:NR:NR:NR:MD:0	✓					✓		✓	✓	✓			

PBU to be inclined 30° from the carriageway edge.
It is the responsibility of the traffic signal contractor to undertake strength analysis of all traffic signal poles and associated equipment they intend to use.

TRAFFIC SIGNALS KEY:

- PROPOSED PTC-1 LITE CONTROLLER
- PROPOSED FEEDER PILLAR WITH DPI
- PROPOSED 4m CRANKED PASSIVELY SAFE TRAFFIC SIGNAL POLE WITH LOW LEVEL TERMINATIONS
- PROPOSED 2.5m STUB TRAFFIC SIGNAL POLE
- PROPOSED 4m STRAIGHT PASSIVELY SAFE TRAFFIC SIGNAL POLE WITH LOW LEVEL TERMINATIONS
- POLE REFERENCE NUMBER
- PROPOSED RAG SIGNAL HEAD AND PRIMARY HOODS
- PROPOSED SECONDARY RAG SIGNALS HEAD AND HOODS
- PROPOSED ON CROSSING DETECTOR
- PROPOSED SOLAR CELL
- PROPOSED COMBINED TOUCAN NDU/PB UNIT INCLUDING ROTATING TACTILE CONE AND SMARTCROSS UNIT
- PROPOSED COMBINED TOUCAN NFOV NDU/PB UNIT INCLUDING ROTATING TACTILE CONE AND SMARTCROSS UNIT
- PROPOSED COMBINED PUFFIN NDU/PB UNIT INCLUDING ROTATING TACTILE CONE AND SMARTCROSS UNIT
- PROPOSED PEDESTRIAN PUSH BUTTON DEMAND UNIT INCLUDING ROTATING TACTILE CONE AND SMARTCROSS UNIT
- PROPOSED WIRELESS ACCESS POINT
- PROPOSED AGD 650 STOP LINE DETECTOR

REV	DATE	BY	DESCRIPTION	CHK	APP
C01	16/06/2025	MB	CONSTRUCTION ISSUE	JU	BS
P01	11/04/2024	MB	FIRST ISSUE	JU	BS

DRAWING STATUS: A - FIT FOR CONSTRUCTION

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CLIENT: Shropshire Council

ARCHITECT:

SITE/PROJECT: S7023 SHELTON ROAD/THE MOUNT SHREWSBURY JUNCTION UPGRADE

TITLE: GENERAL ARRANGEMENT

SCALE @ A1:	CHECKED:		APPROVED:
As Shown	JU		BS
PROJECT NO: 70110021	DESIGNED: MB	DRAWN: MB	DATE: JUNE 2025

DRAWING No: 70110021-WSP-HSN-SR-DR-CH-1200-1201 REV: C01

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