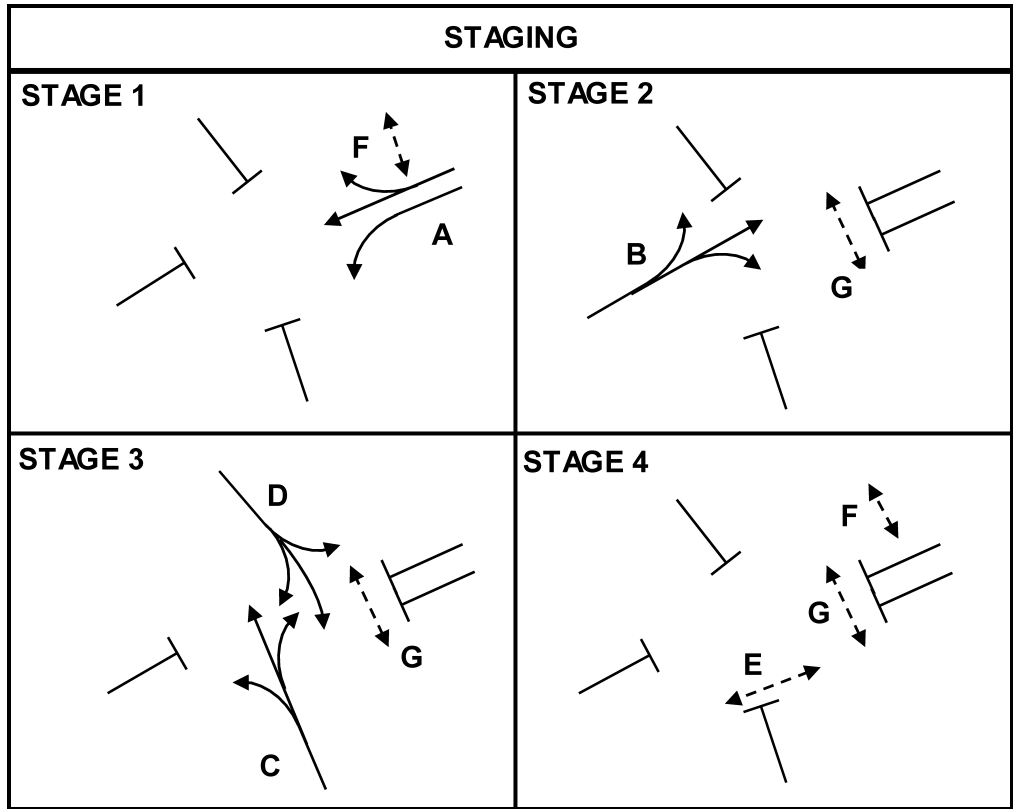


TRAFFIC SIGNAL NOTES

- 1 THE SITE IS A NEW ELV TRAFFIC SIGNAL JUNCTION RUNNING MOVA WITH VA FALLBACK AND REMOTE MONITORING.
- 2 VA USES STOPLINE LOOPS AND X DETECTION.
- 3 NEARSIDE PEDESTRIAN SIGNALS AND PUSHBUTTONS WITH COMBINED PUSHBUTTON AND TACTILE DEVICES ARE UTILISED. AUDIBLE DEVICES ARE NOT UTILISED.
- 4 ON-CROSSING DETECTION IS UTILISED BUT KERBSIDE DETECTION IS NOT. WHERE NECESSARY PEDESTRIAN DETECTION SHALL BE INSTALLED ON EXTENDED BRACKETS TO ENSURE CLEAR VISIBILITY OF THE REQUIRED DETECTION AREA.
- 5 ALL SIGNAL HEADS, NEARSIDE SIGNALS AND PUSHBUTTONS SHALL BE LED.
- 6 NO SIGNAL EQUIPMENT SHALL BE INSTALLED WITH LESS THAN 450mm CLEARANCE FROM THE KERBFACE.
- 7 THE CONTROLLER CABINET SHALL BE A LARGE FORM CASE WITH A NAL 'CABINET STYLE' BASE APPROPRIATE FOR THE CONTROLLER TYPE.
- 8 LABELLING:
 - A) THE CONTROLLER CABINET SHALL BE LABELLED WITH THE SITE REFERENCE USING BLACK LETTERS OF 75mm X-HEIGHT IMPRINTED ON A WHITE BACKGROUND AND WITH A BS7671 ELECTRICITY HAZARD WARNING SYMBOL BELOW;
 - B) THE POWER PILLAR SHALL BE LABELLED WITH THE SITE REFERENCE USING BLACK LETTERS OF 75mm X-HEIGHT IMPRINTED ON A WHITE BACKGROUND AND WITH A BS7671 ELECTRICITY HAZARD WARNING SYMBOL BELOW; AND
 - C) ALL POLES TO HAVE POLE NUMBERS WHICH SHALL BE FIXED BEFORE THE SITE ACCEPTANCE TESTING (SAT).
- 9 POLES:
 - A) SHORT POLES (1.8m) SHALL HAVE WELDED POLE CAPS AND SHALL NOT HAVE CABLE ENTRY SLOTS; AND
 - B) 4m (NOMINAL) POLES SHALL BE MID-ACCESS FITTED WITH A STANDARD MATCHING COLOUR VENTED POLE CAP. POLES SHALL NOT BE PRE-DRILLED FOR PUSHBUTTONS AND SHALL NOT HAVE CABLE ENTRY SLOTS.
- 10 WHERE INDICATED IN THE POLE SCHEDULE, POLES SHALL BE INSTALLED TWISTED BY 45 DEGREES TO ENSURE CORRECT CLEARANCE OF SIGNAL HEADS FROM EDGE OF CARRIAGEWAY.
- 11 EACH POLE SHALL BE SEPARATELY CABLED FROM THE CONTROLLER EXCEPT SHORT POLES WHICH MAY BE CABLED FROM AN ADJACENT FULL HEIGHT POLE.
- 12 POLES, CONTROLLER, CONTROLLER NAL BASE AND POWER PILLAR SHALL BE FINISHED BLACK.
- 13 A 4G STRATOS UNIT SHALL BE SUPPLIED, INSTALLED AND CONFIGURED TO THE WOKINGHAM BOROUGH COUNCIL (WBC) CLOUD-BASED SYSTEM. A BLACK STRATOS 4G AERIAL SHALL BE FIXED TO THE OUTSIDE OF THE CONTROLLER CASE. SIM CARDS SHALL BE FREE ISSUED BY THE LOCAL AUTHORITY.
- 14 CCTV WITH RADIO COMMUNICATIONS TO BE INSTALLED ON A LIGHTING COLUMN BY OTHERS WITH A FUSED SUPPLY IN THE LIGHTING COLUMN BASE AND A COMMANDO SOCKET 6.5m ABOVE GROUND LEVEL. THERE IS NO CONNECTION BETWEEN CCTV AND THE SIGNALS EQUIPMENT.
- 15 THE LOCATION OF THE CONTROLLER, POWER PILLAR AND ALL POLES AND LOOPS TOGETHER WITH THE ALIGNMENT OF SIGNAL HEADS AND NEARSIDE SIGNALS AND PUSHBUTTONS SHALL BE AGREED ON SITE WITH THE LOCAL AUTHORITY TRAFFIC SIGNAL ENGINEER.
- 16 DNO SUPPLY ARRANGEMENT TO BE AGREED/ARRANGED BY CONTRACTOR.
- 17 ALL WORKS SHALL COMPLY WITH THE APPENDIX 12/5 WORKS SPECIFICATION AND ALL OTHER RELEVANT ENGINEERING DETAILS AND DRAWINGS. THE SCHEME SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DMRB CODE OF PRACTICE.

CROSSING SCHEDULE					
Crossing Ref.	Phase	Type	Description	Width	Number Tactile Paving Blocks
1	E	Pedestrian	Across Easthampstead Road	2.40m	6
2	F	Pedestrian	Across Croudaice Link entry	2.40m	6
3	G	Pedestrian	Across Croudaice Link exit	2.40m	6

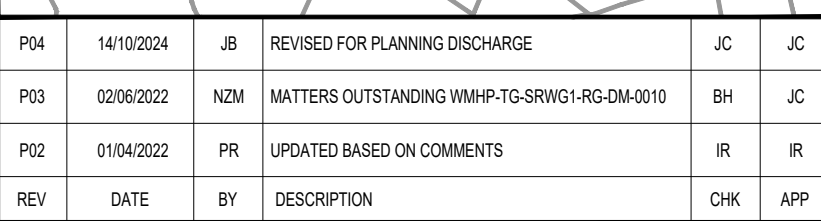
Notes:
 1) Tactile paving blocks are 400mm x 400mm square and coloured red.



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METRES AD UNLESS NOTED OTHERWISE.
 3. THIS DRAWING SHALL ONLY BE USED FOR THE DESIGN ELEMENT STATED IN THE DRAWING TITLE.
 4. FOR DETAILS OF PSV SURFACING REFER TO 700 SERIES.
 5. FOR DETAIL OF KERBS, FOOTWAYS AND PAVED AREAS REFER TO 1100 SERIES.
 6. FOR JUNCTION INTER-VISIBILITY REFER TO 100 SERIES.
 7. DRAWING TO BE READ IN CONJUNCTION WITH DRAWINGS
WMHP-TG-SRWG1-DR-HI-1201 TO 1208
WMHP-TG-SRWG1-DR-HI-1221
AND SPECIFICATIONS
WMHP-TG-SRWG1-SP-HI-1201 AND 1205

LEGEND

- | | |
|---|--|
|  | PRIMARY RAG SIGNAL HEAD |
|  | SECONDARY RAG SIGNAL HEAD SIGNAL |
|  | SECONDARY RAG SIGNAL HEAD SIGNAL, SIDE MOUNTED |
|  | SECONDARY RAG + G/A (RIGHT) SIGNAL HEAD |
|  | PRIMARY RAG/A (LEFT) SIGNAL HEAD |
|  | SECONDARY RAG/A (LEFT) SIGNAL HEAD |
|  | PRIMARY RAG/A (RIGHT) SIGNAL HEAD |
|  | SECONDARY RAG/A (RIGHT) SIGNAL HEAD |
|  | PRIMARY RAG/A (AHEAD) SIGNAL HEAD |
|  | NO-LEFT-TURN (NLT) ROUND |
|  | NO-LEFT-TURN (NLT) ROUND |
|  | EXCEPT BUSES (EB) ROUND |
|  | 4m POLE STRAIGHT |
|  | SHORT POLE |
|  | PHASE LETTER |
|  | TRAFFIC SIGNAL POLE NUMBERING |
|  | ON-CROSSING DETECTOR |
|  | KERBSIDE DETECTOR |
|  | NEARSIDE TOUCAN SIGNAL WITH COMBINED PUSHBUTTON AND AUDIBLE AND TACTILE DEVICES |
|  | NEARSIDE NARROW FIELD OF VIEW TOUCAN SIGNAL WITH COMBINED PUSHBUTTON AND AUDIBLE AND TACTILE DEVICES |
|  | NEARSIDE PEDESTRIAN SIGNAL WITH COMBINED PUSHBUTTON AND AUDIBLE AND TACTILE DEVICE |
|  | NEARSIDE NARROW FIELD OF VIEW PEDESTRIAN SIGNAL WITH COMBINED PUSHBUTTON AND TACTILE DEVICE |
|  | NEARSIDE PUSHBUTTON WITH AUDIBLE AND TACTILE DEVICE |
|  | PHOTO ELECTRIC CELL |
|  | STOPLINE LOOP AND REFERENCE |
|  | QUEUE LOOP |
|  | MOVA DIAMOND LOOP AND REFERENCE |
|  | WCCTV 4G IR SPEED DOME CCTV CAMERA FIXED TO LIGHTING COLUMN |
|  | LIGHTING COLUMN AND REFERENCE |
|  | MAINTENANCE VEHICLE PARKING BAY |
|  | TRAFFIC SIGNAL CONTROLLER ON NAL BASE |
|  | POWER PILLAR |



SUITABLE FOR APPROVAL

S5

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PROJECT:

SPINE ROAD AND WESTERN GATEWAY PHASE 1

TITLE:

HIGHWAYS

HEATHLANDS ROAD JUNCTION

SIGNAL LAYOUT

SHEET 1

SCALE @ A1:

1:20

PROJECT NO.

DESIGNED:

DRAWING No.

WMHP-TG-SRWG1-DR-HI-1243

P04