

DUCTING NOTES

1. CONTROLLER, POWER PILLAR AND ALL POLE SOCKET LOCATIONS TO BE AGREED ON SITE WITH THE LOCAL AUTHORITY TRAFFIC SIGNAL ENGINEER.
2. A SINGLE 50mm ORANGE DUCT RUN SHALL BE PROVIDED FROM THE POWER PILLAR INTO THE CONTROLLER.
3. BETWEEN THE CONTROLLER AND CHAMBER CH1 2 X 100mm ORANGE CONNECTING DUCTS SHALL BE INSTALLED.
4. THE CONTROLLER CABINET SHALL BE A NAL 'CABINET STYLE' BASE APPROPRIATE FOR THE CONTROLLER TYPE. THE CONTROLLER CABINET BASE SHALL BE INSTALLED TO MANUFACTURE'S REQUIREMENTS.
5. POLE RETENTION SOCKETS SHALL BE NAL RS115 UNLESS OTHERWISE AGREED WITH THE LOCAL AUTHORITY TRAFFIC SIGNAL ENGINEER. SOCKETS SHALL BE INSTALLED TO THE MANUFACTURE'S REQUIREMENTS.
6. CHAMBERS SHALL BE NAL STAKKABOX AND SHALL HAVE A GRADE C250 COMPOSITE LID WITH STEEL FRAMES. CHAMBERS SHALL BE INSTALLED TO THE MANUFACTURE'S REQUIREMENTS.
7. ALL NEW DUCTING SHALL BE POLYPROPYLENE, ORANGE IN COLOUR. SMOOTH BORE WITH 'TRAFFIC SIGNALS DUCTS' IMPRINTED ON THE DUCTS. DRAW CORDS SHALL BE INCLUDED IN ALL DUCTS.
8. THE LOCATION OF THE CONTROLLER BASE, POWER PILLAR, ALL POLE SOCKETS AND CHAMBERS ALL SHALL BE AGREED ON SITE WITH THE LOCAL AUTHORITY TRAFFIC SIGNAL ENGINEER.
9. 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.

SIGNIFICANT RESIDUAL HAZARDS

RESIDUAL HAZARD	STAGE	SUGGESTED CONTROL MEASURE
 STRIKING UNDERGROUND SERVICES	C	HAND DIGGING AND CAT SCANNING TECHNIQUES SHALL BE UNDERTAKEN TO LOCATE SERVICES/UTILITIES. MARK UP ON SITE IF REQUIRED. NO WORKS TO BE UNDERTAKEN WITHOUT A VALID PERMIT TO DIG. DIVERTED SERVICES TO BE ACCURATELY RECORDED FOR FUTURE WORKS INCLUDING DECOMMISSIONED PLANT.
 WORKING IN CLOSE PROXIMITY TO WATERCOURSES. EXPOSURE TO HAZARDOUS SUBSTANCES, E.G. LEPTOSPIROSIS.	C, D	CONTRACTOR TO LIAISE WITH THE LEAD LOCAL FLOOD AUTHORITY TO GAIN FLOOD ALERTS. ENSURE WORKFORCE IS SUITABLY TRAINED AND COMPETENT AND ARE WEARING THE APPROPRIATE LEVEL OF PPE FOR THE INTENDED TASK TO REDUCE THE RISK OF WORKERS CONTRACTING LEPTOSPIROSIS OR WEIL'S DISEASE.
 DANGER OF FALLING FROM WORKING ON HIGH EMBANKMENTS	C, D, M	ENSURE APPROPRIATE RISK ASSESSMENTS ARE USED WHEN WORKING ON TOP OF EMBANKMENTS. WHICH CONSIDER THE GRADIENT OF THE ADJOINING SLOPE AND IDENTIFY APPROPRIATE CONTROLS TO PREVENT OPERATIVES, PLANT AND MATERIALS FROM ENCOUNTERING THE SLOPE.

NOTE: The above hazards do not include every hazard or assumption, but identify significant residual construction hazards that are not likely to be obvious to a competent contractor and those that could be difficult to manage effectively. Refer also to the designer's risk documentation.

CHAMBER SCHEDULE

Chamber Reference	Size of chamber (mm)	Depth of deepest duct (mm)	Comments
CH1	600 x 600	700	Adjacent to controller
CH2	600 x 600	700	

Notes:

1. Depth of the deepest duct is to the top of the duct; and
2. Where a duct crosses under both carriageway and footway, the duct should be maintained at a consistent depth of 700mm along its entire length.

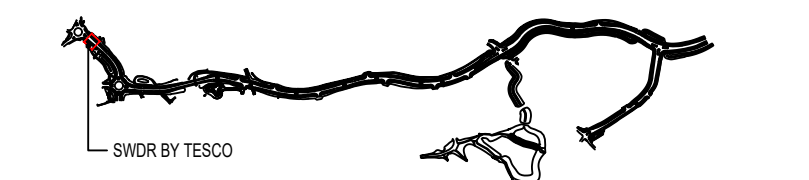
DO NOT SCALE

- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. ALL LEVELS ARE IN METRES AOD 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. 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

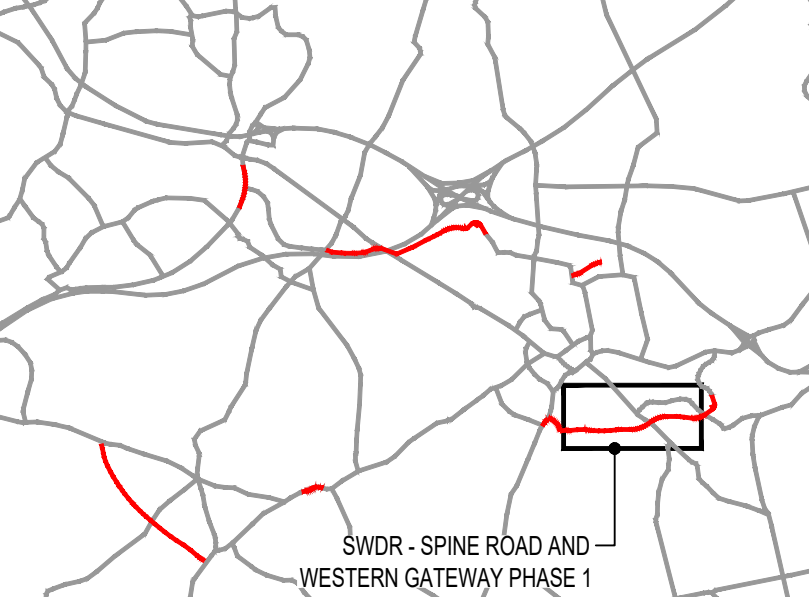
LEGEND

	NAL SOCKET (RS115DF)
	POLE NUMBERING
	100mm ORANGE TRAFFIC SIGNAL DUCT, NUMBER OF DUCTS AS SHOWN
	600mm X 600mm TWINWALL CHAMBER
	CHAMBER REFERENCE
	MAINTENANCE VEHICLE PARKING
	CONTROLLER ON NAL BASE
	POWER PILLAR

LOCATION PLAN:



KEYPLAN:



P04	19/01/2024	JB	ROUNDABOUT VE UPDATE	DJF	JC
P03	02/06/2022	NZM	MATTERS OUTSTANDING WMHP-TG-SRWG1-RS-DM-0010	BH	JC
P02	25/03/2022	ANT	REVISED FOLLOWING SCO COMMENTS	JPG	JC
REV	DATE	BY	DESCRIPTION	CHK	APP

DRAWING STATUS: SUITABLE FOR REVIEW & COMMENT S3

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PROJECT: WOKINGHAM MAJOR HIGHWAYS PROGRAMME
SPINE ROAD AND WESTERN GATEWAY PHASE 1

TITLE: HIGHWAYS
SWDR BY TESCO TOUCAN
DUCTING LAYOUT

SCALE @ A1: 1:200	CHECKED: IR	APPROVED: IR
PROJECT NO: C118047	DESIGNED: PR	DRAWN: BPH
DRAWING NO: WMHP-TG-SRWG1-DR-HI-1234	DATE: July 21	REV: P04

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