NORTH

Note:

THE CLIENT/DEVELOPER HAS PROVIDED THE UTILITIES PLANS FOR THIS SCHEME AND HAS CONFIRMED THAT HIGH VOLTAGE BURIED ELECTRICAL CABLES, AND LOW VOLTAGE OVERHEAD CABLES ARE LOCATED WITHIN THIS SCHEME. THERE ARE ALSO BURIED WATER MAINS ALONG MAYPOLE LANE. CORRECT/UP TO DATE STATS SHOULD BE OBTAINED BY THE CONTRACTOR / DEVELOPER, AND ALL SERVICES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO INSTALLING ANY LIGHTING COLUMNS. WORKS SHOULD BE CARRIED OUT IN ACCORDANCE WITH GS6, G39/1 AND HSE REGULATIONS.

Details of existing Statutory Undertakers plant are to be obtained by the Client and the Contractor may examine these records at the Engineers office. All works in the vicinity of any overhead cables shall conform to the requirements of HSE Guidance Note GS6 "Avoidance of Danger from Overhead Lines" and all works in the vicinity of underground mains or cables shall conform to the requirements of HSE Guidance Note HGS47 "Avoiding Danger from Underground Services" and any additional requirements specified by the relevant Undertaker. The Contractor will be responsible for liaison with the Undertakers and for programming the agreed protection and/or diversion works to any Statutory Undertakers apparatus into the overall Works programme (This is to include adjustment of stats covers). Any damage to plant or apparatus shall be repaired at the Contractors expense.

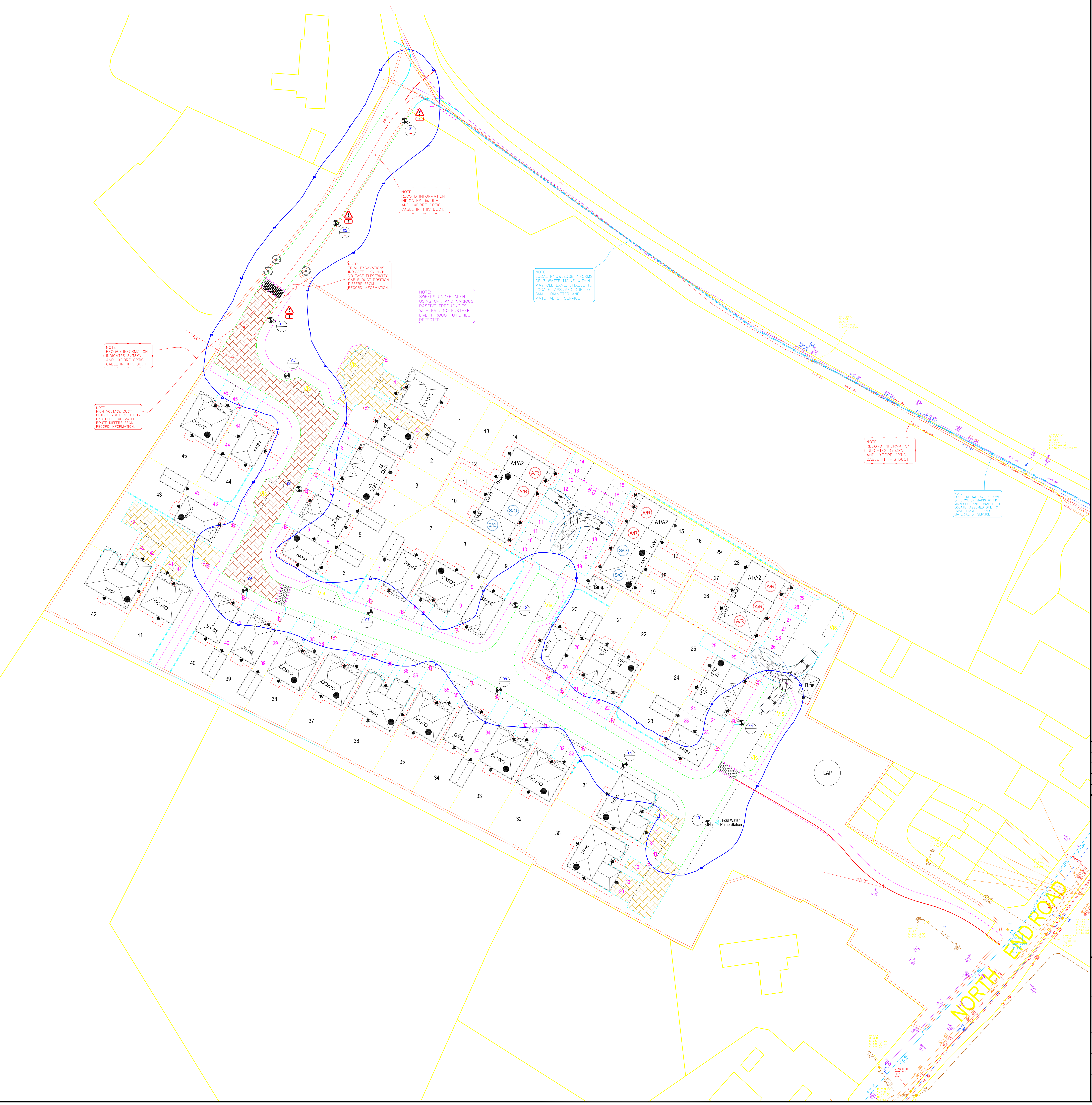
UTILITIES INFORMATION:

11KV	WARNING: INDICATIVE LOCATION OF EXISTING 11KV HIGH VOLTAGE ELECTRICAL CABLE. COLUMNS TO BE INSTALLED IN CLOSE PROXIMITY TO HIGH VOLTAGE CABLES REQUIRE ASSET OWNER TO BE MADE AWARE OF PROPOSED WORK AND ALL HSE REGULATIONS REQUIREMENTS MUST BE COMPLETED BEFORE WORK COMMENCES. SAFE METHOD OF WORK TO BE USED DURING INSTALLATION AND MAINTENANCE
33KV	WARNING: INDICATIVE LOCATION OF EXISTING 33KV HIGH VOLTAGE ELECTRICAL CABLE. COLUMNS TO BE INSTALLED IN CLOSE PROXIMITY TO HIGH VOLTAGE CABLES REQUIRE ASSET OWNER TO BE MADE AWARE OF PROPOSED WORK AND ALL HSE REGULATIONS REQUIREMENTS MUST BE COMPLETED BEFORE WORK COMMENCES. SAFE METHOD OF WORK TO BE USED DURING INSTALLATION AND MAINTENANCE
	WARNING: INDICATIVE LOCATION OF EXISTING LOW VOLTAGE OVERHEAD ELECTRICAL CABLE. ALL HSE REGULATIONS REQUIREMENTS MUST BE COMPLETED BEFORE WORK COMMENCES. SAFE METHOD OF WORK TO BE USED DURING INSTALLATION AND MAINTENANCE
	WARNING: INDICATIVE LOCATION OF EXISTING OVERHEAD TELECOMS CABLE. ALL HSE REGULATIONS REQUIREMENTS MUST BE COMPLETED BEFORE WORK COMMENCES. SAFE METHOD OF WORK TO BE USED DURING INSTALLATION AND MAINTENANCE
	UNKNOWN TRACE
	EXISTING WATER SERVICE

⚠ RESIDUAL DESIGN HAZARDS

Exact location of existing utility services to be determined on site.
Installation works should be carried out in accordance with the relevant standards including BS7671, G39/1 and the ILP GP03.

1. High Voltage Buried Electrical cables.


NOTE: RECORD INFORMATION INDICATES 3x33KV AND 1XFIBRE OPTIC CABLE IN THIS DUCT.
NOTE: TRIAL EXCAVATIONS INDICATE 11KV HIGH VOLTAGE ELECTRICITY CABLE DUCT POSITION DIFFERS FROM RECORD INFORMATION.
NOTE: SWEEPS UNDERTAKEN USING GPR AND VARIOUS PASSIVE FREQUENCIES WITH EML. NO FURTHER LIVE THROUGH UTILITIES DETECTED.
NOTE: LOCAL KNOWLEDGE INFORMS OF 3 WATER MAINS WITHIN MAYPOLE LANE. UNABLE TO LOCATE, ASSUMED DUE TO SMALL DIAMETER AND MATERIAL OF SERVICE
NOTE: RECORD INFORMATION INDICATES 3x33KV AND 1XFIBRE OPTIC CABLE IN THIS DUCT.
NOTE: HIGH VOLTAGE DUCT DETECTED WHILST UTILITY HAD BEEN EXCAVATED. ROUTE DIFFERS FROM RECORD INFORMATION.
NOTE: RECORD INFORMATION INDICATES 3x33KV AND 1XFIBRE OPTIC CABLE IN THIS DUCT.
NOTE: LOCAL KNOWLEDGE INFORMS OF 3 WATER MAINS WITHIN MAYPOLE LANE. UNABLE TO LOCATE, ASSUMED DUE TO SMALL DIAMETER AND MATERIAL OF SERVICE
3x33KV
11KV
01
02
03
04
05
OXFO
AMBY
WARWQ SP
LETC SP
DART
A1/A2
A/R
S/O
Bins
LAP
Foul Water Pump Station
NORTH END ROAD

Street Lighting Key:

Quantity	Symbol	Description
12		6m WSCC spec column with Philips Micro Luma BGP615 DW10 1.20KLM CW LED lantern Proposed 6m straight shaft, Amercoat 71P/PSX 700 polysiloxanne and Amercoat 4560 GF Glass Flake Root coated steel lighting column, factory finished to Sherwood Green BS12C39, with a 'Post Top' mounted Philips Micro Luma BGP615 DW10 1.20klm Cool White LED lantern with a 0 degree tilt. Wired for DALI control and fitted with a 6pin NEMA socket. (LANTERN ORDER CODE: Luma Micro BGP615 DW10 1200 6LED 5.1S CLO L90 CW). Mayflower Complete Lighting Control DALI external Node in each lantern. Switching to 35/18 part night (midnight - 5:30am off). Lighting column base to be fitted with Tofco Type 1 isolator unit. Provide new permanently live single phase DNO supply into column. Note: All lanterns must have a factory fitted rear shield installed.

ALL PAINT COLOURS SHALL BE COMPLIANT TO WSCC REQUIREMENTS AS DETAILED IN THE SPECIFICATION SECTION 5.0 FOR EACH PARISH/AREA

NO WORKS SHALL BE CONSTRUCTED UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE LOCAL AUTHORITY BY THE DEVELOPER. SHOULD WORKS BE CONSTRUCTED WITHOUT APPROVAL THEY WILL BE ENTIRELY AT THE DEVELOPERS RISK. UNLESS OTHERWISE STATED WITHIN THE QUOTATION PROVIDED BY MMA LIGHTING CONSULTANCY, WE HAVE NOT SUBMITTED THIS DESIGN FOR TECHNICAL COMMENTS/APPROVAL.

EVERY LIGHTING SCHEME IS REQUIRED TO INSTALL ONE MAYFLOWER COMPLETE LIGHTING CONTROL DALI SUB-MASTER UNIT TO CONTROL NODES AND LINK TO CENTRAL MANAGEMENT SYSTEM.

DRAWING TO BE PRINTED IN COLOUR TO ENABLE CORRECT VIEWING OF DRAWING SYMBOLS AND OR ANY PROPOSED CABLING.

SCHEME DESIGNED IN ACCORDANCE WITH BS5489-1:2013 & BS EN 13201-2:2015

North End Road, Yapton - S38 - Lighting Class

P5 Class (S/P Ratio 1.96) / MF: 0.83

Eave = 1.82 - 2.73 Lux
Emin = 0.40 Lux

NOTES:

All street lighting improvements work to be carried out to the current West Sussex County Councils specifications and agreements.

All equipment is to be fitted to manufacturers guidelines.

All lanterns are to be supplied 'constant light output' (CLO) enabled.

All apparatus shall be new at the time of installation and be supported by relevant manufacturers guarantees. Such guarantees must be transferred to Tay Valley Lighting (West Sussex) Limited at the point of adoption.

All apparatus shall be sited as to minimise, in so far as is reasonable and practical, nuisance, danger and obstruction to all residents, business and users of the highway.

All columns and sign posts installed must be manufactured in accordance with BSEN40 and be able to accept an attachment of 0.3m2 in area at height and offset on the apparatus.

All illuminated apparatus must be installed and tested in compliance with BS7671 at the time of adoption. Lamps must be no more than 6 months old at the time of adoption.

All installations must be installed in such a way that trees or any other foliage on the site does not interfere with the lighting level.

Contractor to confirm position of statutory undertakers plant before commencement of the works.

During works all traffic management to be in accordance with chapter 8 of the traffic signs manual.

All lamp columns to be located as far back from the carriageway as possible.

All new column are to have post top mounted lanterns unless otherwise stated on drawing.

Numbers shown are for design purposes only. Actual numbers should be agreed with the street lighting engineer at West Sussex County Council.

	Amendment	Date	Initials
R0	Initial Design	18.10.19	SW
R1	Base update.	23.03.20	SW
R2	Base update.	11.06.20	SW
R3	Base update.	06.08.20	SW

MMA
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Project title	NORTH END ROAD, YAPTON SECTION 38
Drawing title	STREET LIGHTING DESIGN
Prepared by	SW
Checked by	MC
Scale	1:500 @ A1
Date	06.08.20
Drawing Number	MMA15553/001
Revision Details	R3

ARUN DISTRICT COUNCIL Y/39/20/RES