



- NOTES:
1. Do not scale from this drawing.
 2. All dimensions, invert levels & notes are shown in millimetres unless noted otherwise.
 3. Essex Group are to be notified of any found omissions or discrepancies relating to this drawing.
 4. This document is to be read in conjunction with all other documents relating to this project.
 5. All proprietary products are to be installed in accordance with the manufacturers requirements.
 6. The design, installation and maintenance of any temporary works required shall be the responsibility of the contractor.
 7. For details of materials and workmanship refer to the mechanical/public health & electrical services specification.
 8. Installation is to be carried out strictly in accordance with the relevant British standards & the building regulations.
 9. Final setting out of all services to be checked on site prior to installation.
 10. This document has been created in accordance with Essex Group terms and conditions along with the scope of works provided by the client to Essex Group. Any use of this document other than for its original purpose is prohibited. Essex group accept no liability for any third party uses of this document.
 11. Dimensions/setting out details to be added following receipt of design team comments.

- Drawing Notes
- A. THIS SCHEME INCORPORATES MAJOR WORKS TO EXISTING LIGHTING COLUMNS THAT ARE SUPPLIED FROM THE ADJACENT SECONDARY SCHOOL. TO ENABLE THE CONSTRUCTION WORKS OF THE NEW SCHOOL. EXISTING LUMINAIRES SHALL BE RE-POSITIONED TO SUIT THE NEW LANDSCAPING SCHEME AS IDENTIFIED ON THIS DRAWING. THE EXISTING LIGHTING COLUMNS CONTRIBUTE TOWARDS THE REQUIRED LUMINANCE LEVELS OF THIS PROJECT. FOR CLARITY, THE EXISTING LUMINAIRES DO NOT FORM PART OF THE UPWARD LIGHT RATION CALCULATION & THE FITTINGS ARE EXISTING AND OWNED & MANAGED BY THE ADJACENT SCHOOL.
- B. THE PROJECT LOCATION IN HARFIELD MEETS THE IDENTIFIED CRITERIA OF L.P. GRAY CATEGORY E3 AS SUBURBAN AS SUCH, THE MAXIMUM VALUE OF UPWARD LIGHT RATION (LUX) FOR THE EXTERNAL LIGHTING INSTALLATION IS 5%.
- C. THE NEW EXTERNAL LIGHTING INSTALLATION AFFECTING THE NEW LUMINAIRES, SHALL BE CONTROLLED AND SWITCHED AUTOMATICALLY ON/OFF IN ACCORDANCE WITH LUNAR PLANNING. EXPECTED DURING PRE-CURFEW (DANSET TO 22:00HRS), POST-CURFEW (22:00HRS TO SUNRISE) TBC. A MANUAL OVERSIDE SWITCH SHALL BE PROVIDED TO ALLOW TESTING AND MANUAL SWITCHING.
- D. EXTERNAL CCTV SCOPE TO BE DEVELOPED WITH THE CLIENT. CAMERAS SHOWN ON THIS LAYOUT ARE INDICATIVE ONLY.

Legend	
	EXISTING GAS
	NEW GAS
	EXISTING LV CABLED
	LV
	PIPE ALARM CABLE DUCT
	LV CABLE DUCT
	WATER MAIN
	SPRINKLER PIPEDOWN
	CCTV CABLE DUCT
	EXTERNAL LIGHTING CABLE DUCT
	ELECTRIC VEHICLE CHARGING CABLE DUCT
	CAT 5 BOWS SERVICE
	TRENCH 1800mm CABLE DUCT RFT
	INSPECTION CHAMBER (DSD RFT)
	INSPECTION CHAMBER

	WALL MOUNTED LED BULKHEAD LUMINAIRE AT 200mm AFPL
	WALL MOUNTED LED BULKHEAD LUMINAIRE AT 200mm AFPL
	RECESSED ROUND LED DOWNLIGHTER
	EXISTING LIGHTING COLUMN
	THORLUX STARGUARD 8M COLUMN LED 80W
	DENOTES EMERGENCY LUMINAIRE
	SINGLE ELECTRIC VEHICLE CHARGING POINT
	TWIN ELECTRIC VEHICLE CHARGING POINT
	DATA OUTLET
	POWER SUPPLY
	CCTV
	PHOTOCELL
	SPLIT METERED TRENCH DISTRIBUTION (SMD)

ISG

ESSEX GROUP

Essex-Group.co.uk
ESSEX ELECTRICAL CONTRACTORS LIMITED
10 Lords Court Cricketers Way Baskin Essex SS13 1SS
Tel: 01206 907001 Fax: 01206 907001
Email: mail@essex-group.co.uk

CLEARWATER

PROJECT: Harefield Academy New Build STATUS: S2
Drawing Title: External Services Layout
DRAWN: CP DRAWING NO. TVC0024-ESS-V2-XX-DR-ME-7000
CHECKED: AB
APPROVED: MC
SCALE: 1:150 @ A0 (841 x 1189) DATE: 28/07/23
REVISION: P01

REV	FOR COMMENT	DATE	DRN	CP	MC
P01	DESCRIPTION	23/08/23			

Boundary
Outside stop valve
Electrical LV alt. position
Electrical LV
Communications
Gas
Water
Telecommunications

1720
1255
960
690
430
280 170 295 295 270 260 430

Typical Underground Utility Services