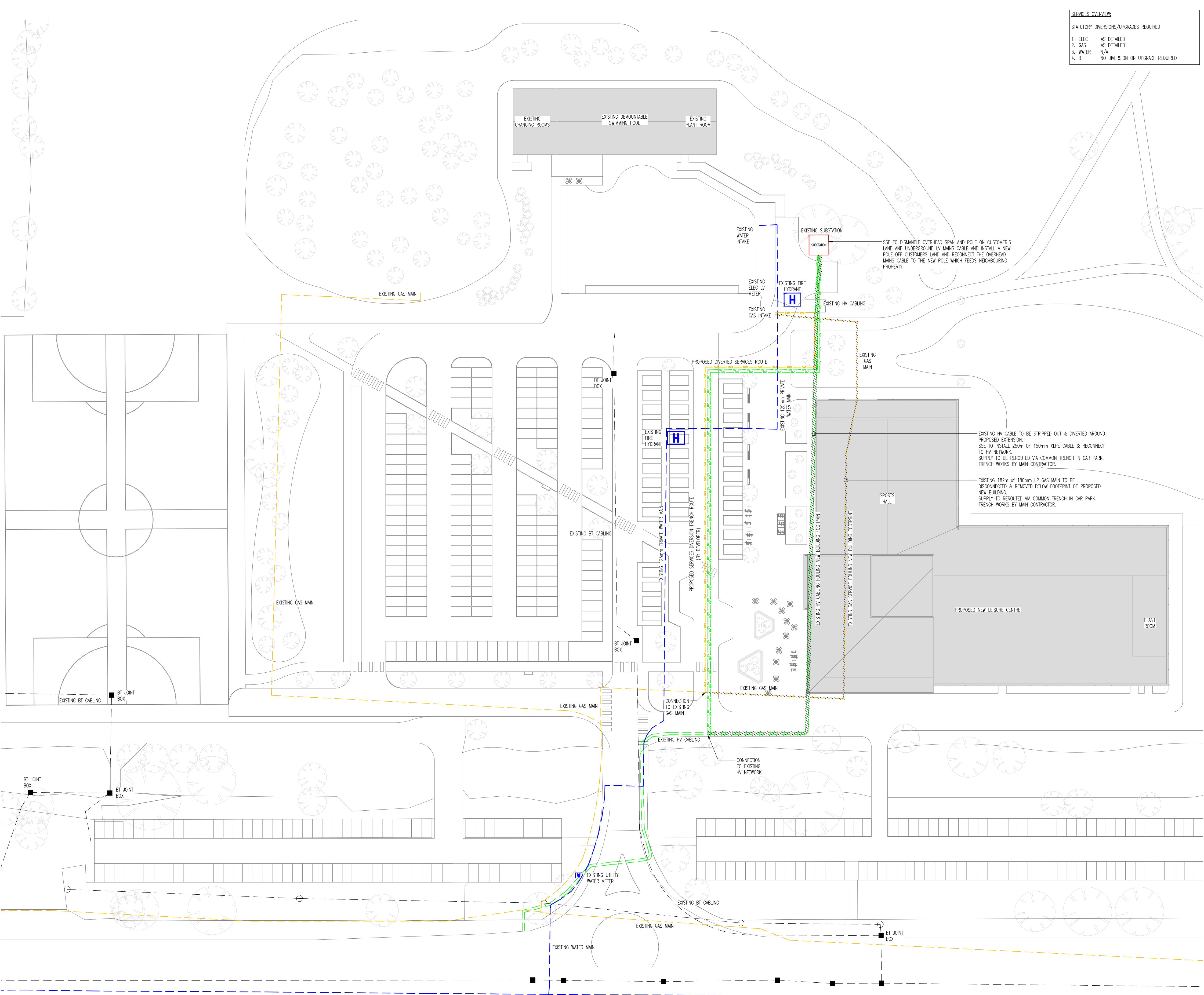




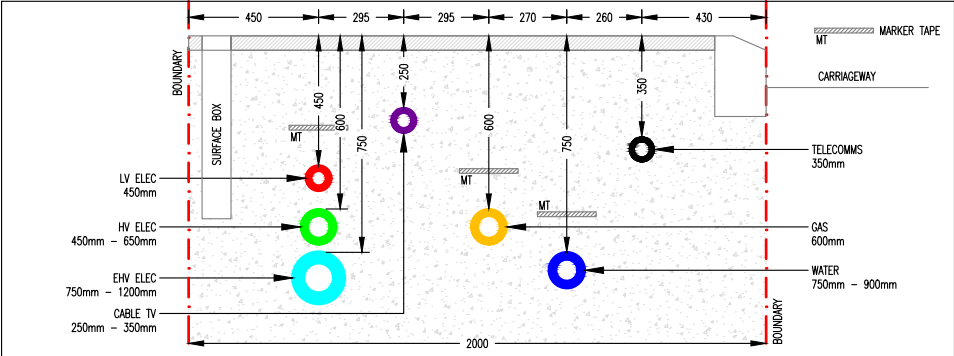
SITE PLAN Scale 1:500
MECHANICAL & ELECTRICAL DIVERSIONS

C:\Users\TLP\OneDrive\Documents\001_C-26\71\2020\13\04

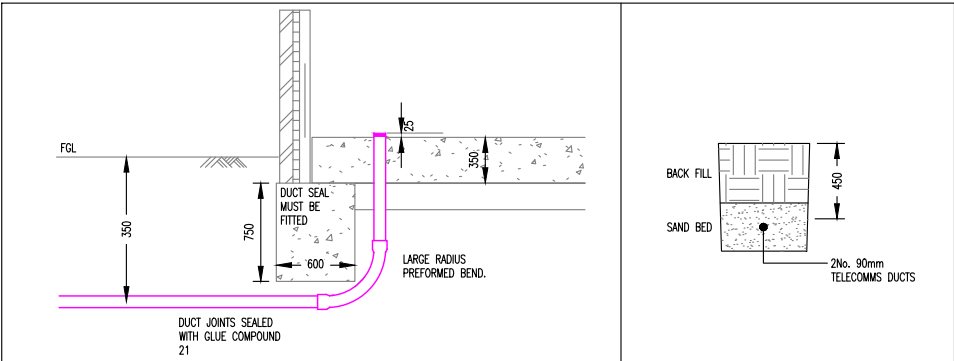
SERVICES OVERVIEW:

STATUTORY DIVERSIONS/UPDATES REQUIRED

1. ELEC AS DETAILED
2. GAS AS DETAILED
3. WATER N/A
4. BT NO DIMENSION OR UPGRADE REQUIRED

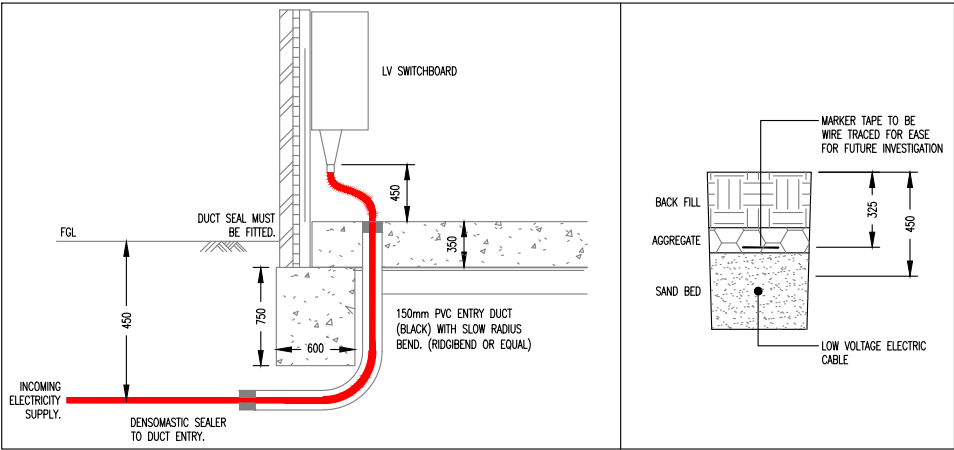


RECOMMENDED POSITIONING OF UTILITY APPARATUS N.T.S.



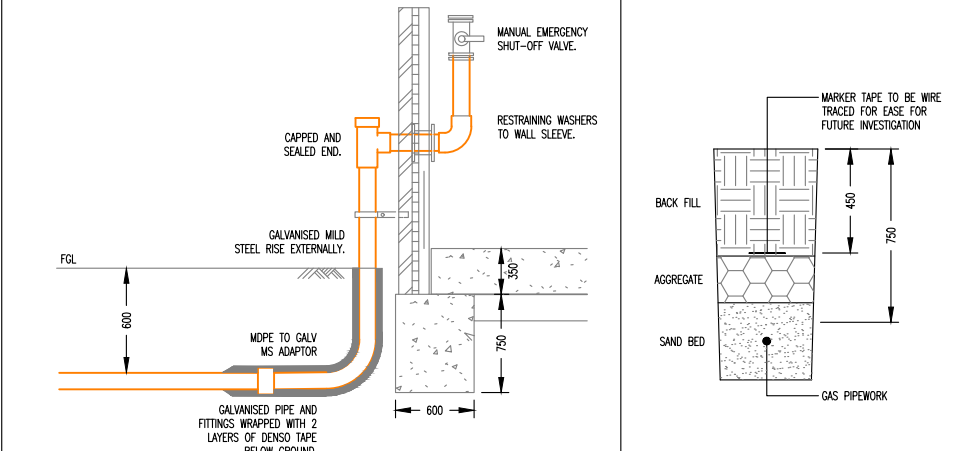
TYPICAL TELEPHONE DUCT ENTRY DETAIL N.T.S.

TELECOMMS DUCT TRENCHING DETAIL



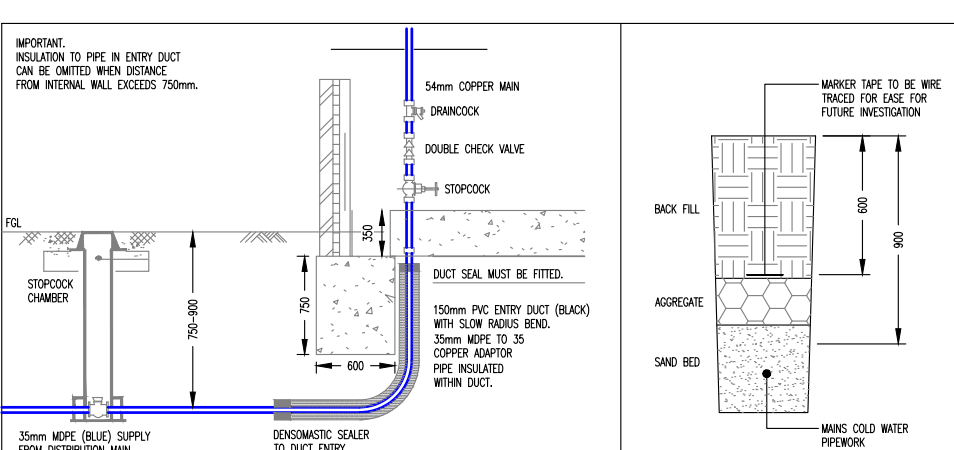
TYPICAL ELECTRICAL DUCT ENTRY DETAIL N.T.S.

TYPICAL ELECTRICAL TRENCHING DETAIL



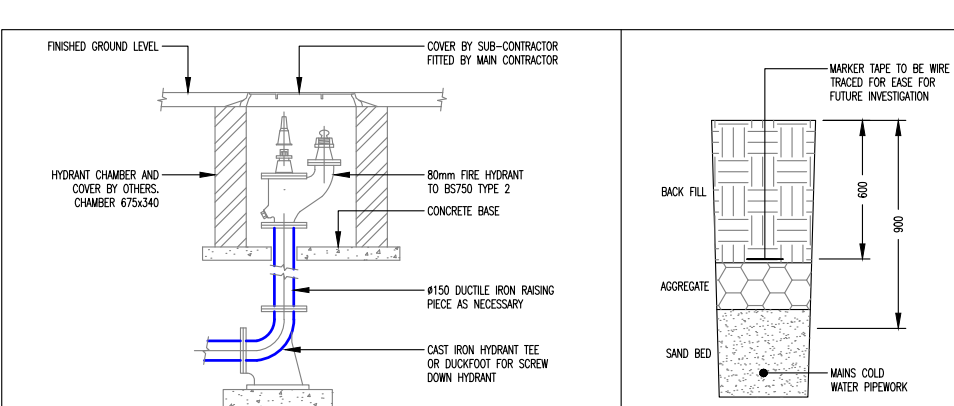
TYPICAL GAS ENTRY DETAIL TO PLANT ROOM N.T.S.

GAS PIPE WORK TRENCHING DETAIL



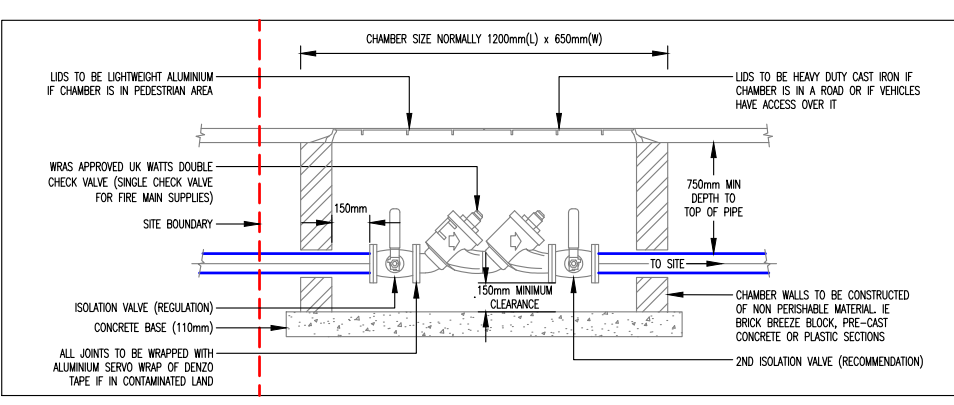
TYPICAL MAINS WATER ENTRY DETAIL TO PLANT ROOM N.T.S.

MAINS PIPE WORK TRENCHING DETAIL



TYPICAL FIRE HYDRANT DETAIL N.T.S.

MAINS PIPE WORK TRENCHING DETAIL



TYPICAL FIRE HYDRANT VALVE CHAMBER DETAIL N.T.S.

BELOW GROUND SERVICE LEGEND		BELOW GROUND SERVICE LEGEND	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	EXISTING UNDERGROUND HIGH VOLTAGE ELECTRICITY CABLE ROUTE. 600mm BELOW GROUND LEVEL.		EXISTING UNDERGROUND GAS PIPE ROUTE. 600mm BELOW GROUND LEVEL.
	PROPOSED UNDERGROUND HIGH VOLTAGE ELECTRICITY CABLE ROUTE. 600mm BELOW GROUND LEVEL.		PROPOSED UNDERGROUND GAS PIPE ROUTE. 600mm BELOW GROUND LEVEL.
	EXISTING UNDERGROUND LOW VOLTAGE ELECTRICITY CABLE ROUTE. 450mm BELOW GROUND LEVEL.		EXISTING UNDERGROUND COMMS ROUTE. 350mm BELOW GROUND LEVEL.
	PROPOSED UNDERGROUND LOW VOLTAGE ELECTRICITY CABLE ROUTE. 450mm BELOW GROUND LEVEL.		PROPOSED UNDERGROUND COMMS ROUTE. 350mm BELOW GROUND LEVEL.
	EXISTING UNDERGROUND LV CABLE ROUTE FOR EXTERNAL LIGHTING COLUMNS. ROUTE TBC BY ELECTRICAL CONTRACTOR.		EXISTING UNDERGROUND BT ROUTE. 350mm BELOW GROUND LEVEL.
	PROPOSED UNDERGROUND LV CABLE ROUTE FOR EXTERNAL LIGHTING COLUMNS. ROUTE TBC BY ELECTRICAL CONTRACTOR.		PROPOSED UNDERGROUND BT ROUTE. 350mm BELOW GROUND LEVEL.
	EXISTING UNDERGROUND MAINS COLD WATER PIPE ROUTE. 750mm BELOW GROUND LEVEL.		EXISTING UNDERGROUND CCTV CABLE ROUTE. 450mm BELOW GROUND LEVEL.
	PROPOSED UNDERGROUND MAINS COLD WATER PIPE ROUTE. 750mm BELOW GROUND LEVEL.		UNKNOWN UNDERGROUND CABLE /PIPE.

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ALL DIMENSIONS ARE IN MILLIMETRES UNLESS STATED OTHERWISE AND MUST BE CHECKED ON SITE AND NOT SCALED FROM THIS DRAWING. THIS DRAWING IS TO BE READ IN ACCORDANCE WITH ALL RELEVANT SPECIFICATIONS AND ROOM DATA DOCUMENTS.

NOTES

THE GENERAL ELECTRICAL INSTALLATION WORK SPECIFICALLY HAS BEEN INSTALLED AND CONFORMS TO/COMPLIES WITH, THE FOLLOWING CURRENT STANDARDS, REGULATIONS AND ALL RECOMMENDATIONS COVERED UNDER BRITISH STANDARDS, UNLESS OTHERWISE DETAILED ELSEWHERE IN THIS SPECIFICATION:-

- THE REGULATIONS FOR ELECTRICAL INSTALLATIONS, LATEST EDITION, AS ISSUED BY THE INSTITUTION OF ENGINEERING AND TECHNOLOGY, (HEREINAFTER REFERRED TO AS THE IET 17TH EDITION WIRING REGULATIONS BS7671).
- THE REGULATIONS OF UK AND RELATED GOVERNING BODIES
- THE ELECTRICITY SUPPLY REGULATIONS 1937.
- THE ELECTRICITY SUPPLY AUTHORITY GENERAL AND LOCAL REQUIREMENTS.
- ALL RELEVANT BRITISH STANDARD SPECIFICATIONS AND CODES OF PRACTICE.
- LOCAL FIRE OFFICERS REQUIREMENTS
- THE FIRE PRECAUTIONS (WORKPLACE) REGULATIONS 1997.
- THE ELECTRICITY SUPPLY AUTHORITY GENERAL AND LOCAL REQUIREMENTS.
- DISABILITY & DISCRIMINATION ACT (DDA)
- BS5366-1 2011 EMERGENCY LIGHTING
- PART L28 - EXISTING NON DWELLING 2011
- ALL SUBSEQUENT AMENDMENTS TO THE ABOVE.

GENERAL

ALL ON-SITE TRENCHES SHALL BE EXCAVATED AND BACKFILLED WITH CLEAN MATERIAL BY THE GROUNDWORKS CONTRACTOR TO THE SATISFACTION OF THE C.A.

TRENCHES SHALL BE EXCAVATED TO ALLOW FOR A SAND BED LAYER OF 50MM THICKNESS UNLESS OTHERWISE INDICATED.

WHERE DUCTS ARE WITHIN BUILDING STRUCTURE OR BELOW HIGHWAYS ETC, THE DEPTH AND LOCATION SHALL BE CONFIRMED BY THE STRUCTURAL ENGINEER REGARDING CONSTRUCTION SUITABILITY.

ALL SERVICES BELOW HIGHWAYS OR CONCRETE HARD STANDING SHALL BE INSTALLED WITHIN TWIN WALLED RIGIDUCTS
ALL INFORMATION ILLUSTRATED ON THIS DRAWING IS INDICATIVE & THE CONTRACTOR SHALL ENSURE THAT EXISTING SITE SERVICES ARE LOCATED BY C.A.T. SCAN OR OTHER METHODS AS APPROPRIATE, SO AS TO ENABLE ANY LIVE SUPPLY SERVING ADJACENT PROPERTIES TO BE MAINTAINED.

ALL NECESSARY TRIAL HOLES EXCAVATED TO LOCATE PRIVATE SITE SERVICES SHALL BE DUG BY HAND AND THE RESULTS RECORDED ON EXISTING SITE SERVICES DRAWING.

WHERE EXCAVATING IN THE VICINITY OF LIVE SITE SERVICES APPROPRIATE HEALTH & SAFETY REQUIREMENTS SHALL BE APPLIED AT ALL TIMES.

WHERE EXCAVATING CLOSE TO STATUTORY AUTHORITY SUPPLIES THE AUTHORITIES HEALTH & SAFETY REQUIREMENTS SHALL BE APPLIED.

THIS DRAWING SHALL BE READ IN CONJUNCTION WITH STATUTORY AUTHORITY DRAWINGS.

THE CONTRACTOR SHALL ASCERTAIN THE LOCATION OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORK.

WATER SERVICES

ALL BURIED WATER SERVICES SHALL BE INSTALLED USING 'BLUE' MEDIUM DENSITY POLYETHYLENE PIPES (MDPE) TO BS 6572 LAID WITH A MINIMUM COVER OF 900mm & METAL TRACE MARKER TAPE TO B.E. INSTALLED OVER THE FULL LENGTH OF PIPEWORK RUN (IDENTIFIABLE FROM GROUND LEVEL). THE ON-SITE MAINS SHALL BE SUBJECTED TO A PRESSURE TEST OF 10 BAR PRIOR TO BACKFILLING COMMENCING AND SHALL BE WITNESSED BY THE C.A. A FINAL TEST SHALL BE CARRIED OUT ON COMPLETION. A CHLORINATION INJECTION TEE SHALL BE PROVIDED ON THE WATER MAINS AT THE CONNECTION POINT TO THE SUPPLY PIPE. CHLORINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ELECTRICAL SERVICES

ALL NEW ELECTRICAL DUCTS SHALL BE RIGIDUCT TYPE COMPLETE WITH EASYSWEEP BENDS
ALL NEW ELECTRICAL DUCTS SHALL BE PROVIDED A MINIMUM 2xNo. DRAW CORDS

THIS DRAWING IS PRODUCED IN ACCORDANCE WITH
ARCHITECTS/MAIN CONTRACTORS DRAWING REFERENCE

1790-SBA-RM-XX-DR-A-5003_S

C	UPDATED TO LATEST ARCHITECT PLANS	TVC	JF	26.11.20
B	UPDATED TO SUIT NEW ARCHITECT LAYOUT	BA	NM	12/11/2020
A	NEW SERVICES ROUTES DETAILED	NM	TC	11/03/2020
REV	DESCRIPTION	DRN	CHK	DATE

PLANNING

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cad@thornleylumb.co.uk

Project Number
C7403
Project Name
Reading
Rivermead Leisure Centre

Drawing Title
Site Plan - DIVERSIONS
Mechanical & Electrical Site Services Layout

Engineer
NM
Checked by
MT
Drawn By
TVC
Date
24.02.20
Scale
1:500
Size
A1

Drawing Number
Project
Originator
Volume
Level
Type
Role
Number
Revision
C7403 - TLP - RM - 00 - DR - ME - 901
C