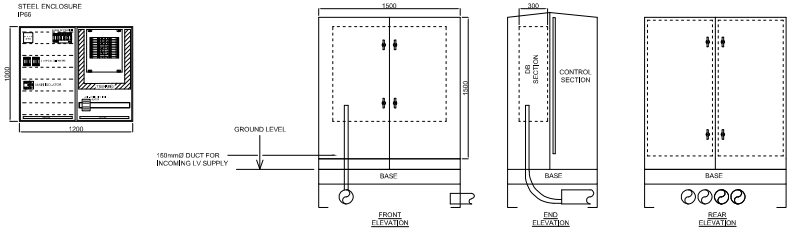
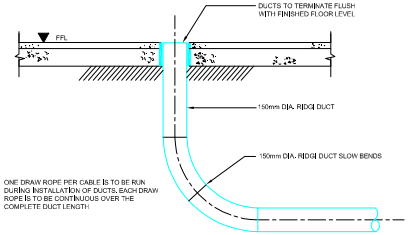
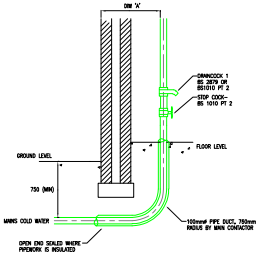


DETAIL 1
FEEDER PILLAR DETAIL 1:20



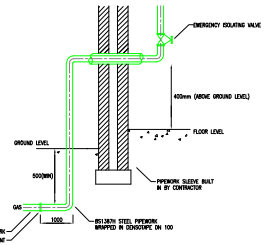
ONE DRAW ROPE PER CABLE IS TO BE RUN DURING INSTALLATION OF DUCTS. EACH DRAW ROPE IS TO BE CONTINUOUS OVER THE COMPLETE DUCT LENGTH

DETAIL 2
ENTRY DETAIL OF INCOMING ELECTRICITY SUPPLY (N.T.S.)



NOTES
1. ENSURE THAT THE INSTALLATION IS INSPECTED BY THE WATER COMPANY PRIOR TO BACK FILLING.
2. PIPEWORK OPEN ENDS TO BE SEALED DURING CONSTRUCTION TO PREVENT CONTAMINATION.
3. WHERE DIM 'A' IS LESS THAN 750mm THE PIPE WITHIN THE DUCT SHALL BE INSULATED TO CURRENT BUILDING REGULATIONS.
4. WHERE DIM 'A' EXCEEDS 750mm THE PIPE DUCT WILL NOT BE INSULATED.

DETAIL 5: STANDARD ARRANGEMENT OF WATER SERVICE ENTRY INTO BUILDING



NOTES
1. PIPEWORK OPEN ENDS TO BE SEALED DURING CONSTRUCTION TO PREVENT CONTAMINATION.
2. EXTERNAL STEEL PIPEWORK SHALL BE WIRE BRUSHED AND PAINTED WITH RED OXIDE PRIOR TO DOUBLE WRAPPING IN DENSOTAPE.
3. INTERNAL PIPEWORK SHALL BE GLOSS PAINTED YELLOW OCHRE

DETAIL 6: STANDARD ARRANGEMENT OF GAS SERVICE ENTRY INTO BUILDING (NTS)

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

THE FOLLOWING NOTES HIGHLIGHT SIGNIFICANT RESIDUAL HAZARDS IDENTIFIED BY THE DESIGNER. TYPICAL HAZARDS THAT SHOULD BE IDENTIFIED BY A COMPETENT CONTRACTOR ARE NOT INCLUDED. THE CONTRACTOR SHALL CARRY OUT THE WORKS USING AN APPROVED SAFE SYSTEM OF WORK. FURTHER INFORMATION ON HAZARDS CAN BE FOUND IN THE DESIGNERS RISK ASSESSMENT.

REF	HAZARD	STAGE	MITIGATING MEASURE
A	PRESENCE OF UNDERGROUND UTILITY SERVICES, GAS, WATER, ELECTRIC OR CABLES.	C	CONTRACTOR TO CARRY OUT INVESTIGATIONS AS APPROPRIATE PRIOR TO COMMENCEMENT OF EXCAVATIONS
B	DISCONNECTION OF EXISTING BUILDING SERVICES	C	SOFT STRIP IS UNDERTAKEN PRIOR TO DEMOLITION, TO ACCURATELY UNCOVER/IDENTIFY ROUTES OF EXISTING SERVICES. NEW ELECTRICITY SUPPLIES TO BE ESTABLISHED TO THE BUILDINGS CURRENTLY SERVED FROM THE EXISTING SWITCHBOARD.

STAGE (C=CONSTRUCTION, M=MAINTENANCE, D=DEMOLITION)

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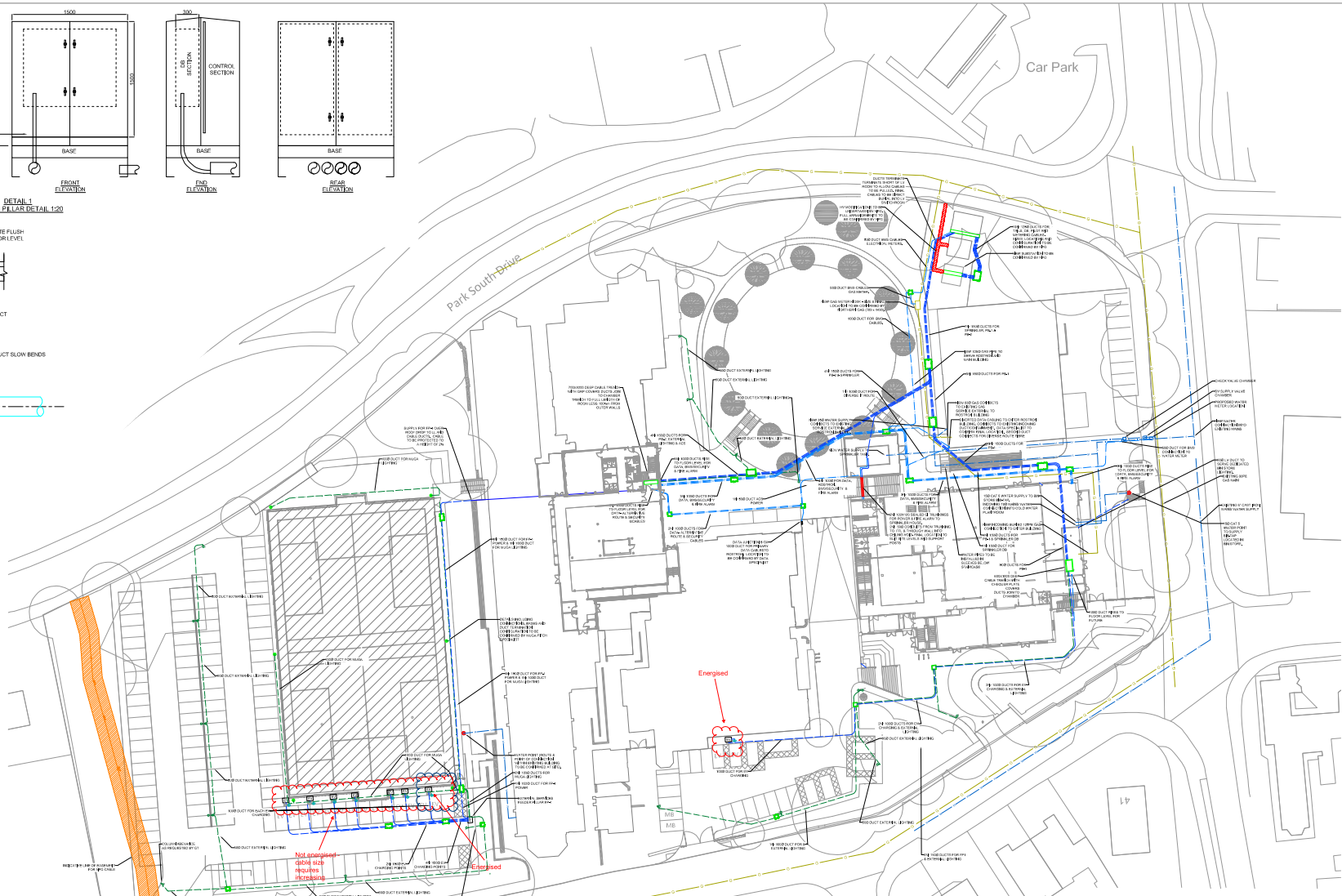
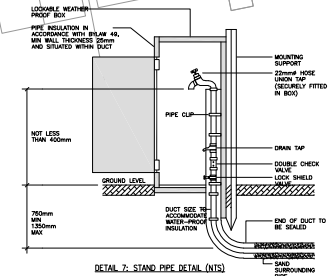
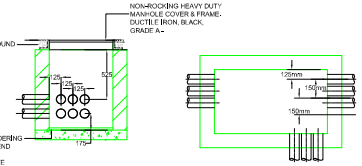
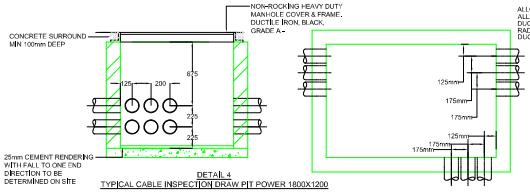




DETAIL 7: STAND PIPE DETAIL (NTS)



DETAIL 3
TYPICAL SECTION THROUGH DATA/ELV DRAWPIT 1200X875



DETAIL 4
TYPICAL CABLE INSPECTION DRAW PIT POWER 1800X1200

Safety, Health and Environmental Information
Construction Risks
Maintenance/Cleaning Risks
Demolition/Adaptation Risks

In addition to the hazards/risks normally associated with the types of work detailed on this drawing (and parts of the above),
It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement.

CONSTRUCTION DESIGN AND MANAGEMENT REGULATIONS 2015

The symbols are provided as a guide to the general risks identified before arranged on the drawing are explained in the accompanied information.

Legend
YOU MUST NOT DO
HAZARD OR DANGER
YOU MUST DO
CAUTION

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL, STRUCTURAL AND ENGINEERING SERVICES DRAWINGS, SPECIFICATIONS, SCHEDULES AND PROJECT SPECIFIC DOCUMENTS.
2. ALL PLANT AND EQUIPMENT IS TO BE INSTALLED TO MANUFACTURER'S RECOMMENDATIONS, ALLOWING FULL ACCESS FOR COMMISSIONING, MAINTENANCE AND REMOVAL/REPLACEMENT.
3. ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED.
4. DO NOT SCALE FROM THIS DRAWING.
5. THIS DRAWING MAY'RE INDICATIVE ELEMENTS RELATED TO FIRE SYSTEMS. THESE ARE INDICATIVE ONLY AND FINAL NUMBER, POSITIONING AND PERFORMANCE MUST BE ESTABLISHED AS PART OF THE CDP WORKS TO MAINTAIN THE INTENT OF THE DESIGN FIRE STRATEGY. FIRE SPECIALISTS TO CONFIRM INCOMING SERVICES BUILDINGS AS NECESSARY
6. PROVISION OF ELECTRIC VEHICLE CHARGERS WILL BE LIMITED SUBJECT TO PHASING OF CONSTRUCTION, FOLLOWING COMPLETION OF THE MAIN CAR PARK. THE NUMBER OF ELECTRIC VEHICLE CHARGERS AVAILABLE WILL BE 2NO (6 OUTLETS), UPON COMPLETION OF INFILL BLOCK (LAST PHASE OF CONSTRUCTION) ALL 8NO VEHICLE CHARGERS WILL BE MADE AVAILABLE FOR USE.
7. BASE AND CABLE ENTRY DETAIL FOR LIGHTING COLUMNS TO BE CONFIRMED BY LIGHTING COLUMNS SUPPLIER. BASES OF COLUMNS LOCATED CENTRALLY IN CAR PARKS TO BE PROVIDED WITH COLLISION PROTECTION.
8. BASE DETAILS FOR EV TO BE CONFIRMED BY EV SUPPLIER.
9. CONNECTIONS FOR BMS DUCTS INDICATIVE. BMS SPECIALIST TO CONFIRM
10. VALVE & LAYOUT ARRANGEMENT FOR FOR FIRE HYDRANTS & SPRINKLERS. ASSUMED AND TO BE CONFIRMED BY YORKSHIRE WATER.
11. HV & LV CONFIGURATION FO INCOMING ELECTRICITY FOR SUBSTATION AND LV SWITCHROOM ASSUMED. NPG TO CONFIRM ARRANGEMENTS.
12. CUBICLE LOCATION & CONFIGURATION FOR INCOMING SUPPLY TO BE CONFIRMED BY NORTHERN GAS.
13. WATER & GAS TO CONNECTIONS TO SOUTH OF SITE TO BE RETAINED.
14. FIRE ALARM CABLES TO BE SEGREGATED IN DRAW CHAMBERS USING GI TRUNKING

LEGEND

150mmØ LV CABLE DUCT	
100mmØ DATA/ELV DUCT	
GAS MAIN	
WATER MAIN	
100mmØ EXT LIGHTING DUCT	
TWIN EV CHARGING POINT (TWIN PER SOCKET)	EV
FEEDER PILLAR	FP
ACCESS CONTROL POSITION	AC
EARTH PIT WITH EARTH ROD FOR EV CHARGING	
PROPOSED CABLE DRAW PIT 600X600	
PROPOSED CABLE DRAW PIT 1200X800	
PROPOSED CABLE DRAW PIT 1800X1200	

Rev	Description	Drn	Chk	Date
00	ISSUE FOR CONSTRUCTION			
A				18.10.23
		MG	DB	04/01/23

Approved

CDP Code
Profiles Bottom-Right
Displacement:
Bottom: 22.2mm
Right: -1.2cm

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CUNDALL

Greenhead College
Huddersfield

COMBINED SERVICES
SITE LAYOUT
EXTERNAL SERVICES

Drawing status		Approved for issue	
FOR REVIEW & COMMENT		A5	
scale @ paper size	project number	drawn by	date
NTS @ A0	P0040010	MG	08/02/23
drawing no.			suitability
NE6869-IMT-ZZ-ZZ-DR-Z-5904			C01