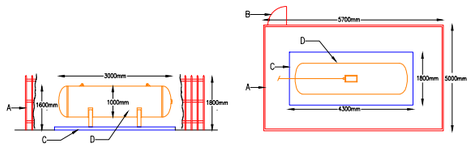
A1

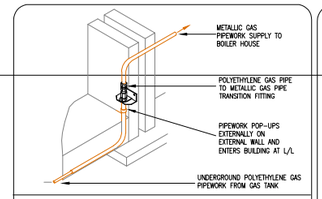
A	The tank compound must be surrounded by a fench of minimum height of 1800mm and located 1000mm from the tank. Fence shall be 12 gaauge 52mm x 52mm weld-mesh or chain link steel fence.
B	Gate to be installed in fencing for gas compound. Gate must open outwards and be non-self locking
C	Level Reinforced concrete base to a depth of 100mm on 100mm Compact Hardcore. Minimum of 100mm depth on firm subsoil with well compacted hardcore on top. Finished surface of concrete must not be below surrounding ground level. For ease of maintenance, all areas inside the fencing compound shall be concreted.
D	One Tonne LPG gas tank



GAS TANK DETAIL (NOT TO SCALE)

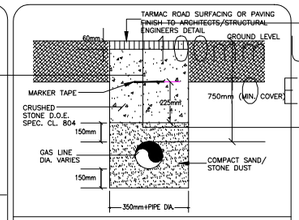
LEGEND OF SYMBOLS

- GAS — GAS — DENOTES TRENCH REQUIRED FOR THE UNDERGROUND GAS SERVICES POLYETHYLENE PIPEWORK SUPPLY FROM THE EXISTING GAS METER TO THE EXTENSION (SEE "DETAIL B" ON DRAWING FOR INFORMATION ON TRENCH REQUIRED FOR THE UNDERGROUND GAS PIPEWORK). ALL TRENCHING SHALL BE COMPLETED BY THE MAIN CONTRACTOR.
- GAS — GAS — NEW GAS SERVICES PIPEWORK INSTALLEDIN GUN BARREL PIPEWORK AT HIGH LEVEL AROUND THE BOILERHOUSE BUILDING.
- DENOTES EXTERNAL UNDERGROUND TRENCH REQUIRED FOR UNDERGROUND LOW VOLTAGE & SUB-MAINS CABLING TO THE EXTERNAL GATE & TO THE TEMPORARY PREFAB STRUCTURE. (SEE "DETAIL D" & "DETAIL E" ON DRAWING FOR INFORMATION ON TRENCH REQUIRED). ALL TRENCHING SHALL BE COMPLETED BY THE MAIN CONTRACTOR.
- DENOTES EXTERNAL UNDERGROUND TRENCH REQUIRED FOR SUB-MAINS CABLING TO THE FUTURE EV CHARGER. ALL TRENCHING SHALL BE COMPLETED BY THE MAIN CONTRACTOR.
- DENOTES EXTERNAL UNDERGROUND TRENCH REQUIRED FOR FUTURE FIBRE CABLING TO THE BUILDING. ALL TRENCHING SHALL BE COMPLETED BY THE MAIN CONTRACTOR.



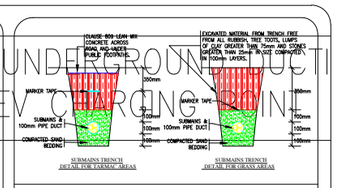
DETAIL A

DETAIL FOR GAS DETAIL ON INCOMING PIPEWORK ON THE EXTERNAL WALL OF THE BUILDING



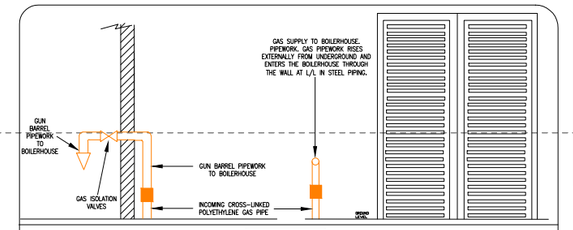
DETAIL B

DETAIL FOR GAS TRENCH DETAIL



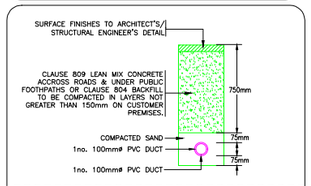
DETAIL E

DETAIL FOR THE TRENCH REQUIRED FOR SUB-MAINS CABLING FOR ALL ELECTRICAL CABLING



DETAIL C

DETAIL FOR GAS PIPEWORK ENTERING THE BOILERHOUSE



DETAIL D

DETAIL FOR THE TRENCH REQUIRED FOR EXTERNAL LOW VOLTAGE SUPPLY

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.

2. THE MECHANICAL CONTRACTOR AND ELECTRICAL CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE MECHANICAL & ELECTRICAL CONTRACTORS SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR CO-ORDINATE ALL SERVICES.

3. EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.

4. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.

5. EXACT LOCATIONS OF ALL SERVICES TO BE AGREED ON SITE. FINAL LOCATIONS OF ALL SERVICES TO BE CO-ORDINATED ON SITE WITH FIXED FURNITURE LAYOUTS.

6. ALL BUILDERS WORK AND TRENCHING SHALL BE CARRIED OUT BY THE MAIN CONTRACTOR. THE MECHANICAL CONTRACTOR AND ELECTRICAL CONTRACTOR SHALL CO-ORDINATE WITH THE MAIN CONTRACTOR AT AN EARLY STAGE ON THE PROVISION OF OPES, TRENCHES, OPENINGS, ETC. FOR THE NECESSARY INSTALLATION OF THE MECHANICAL AND ELECTRICAL SITE SERVICES AS INDICATED ON THE DRAWINGS. TRENCHING, DUCTING AND PIPING TO BE INSTALLED AS PER DRAWINGS AND AS PER DETAILS ON THE DRAWINGS.

7. THE MECHANICAL CONTRACTOR AND ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR FOR ALL UNDERGROUND DUCTING FOR THEIR SERVICES. ROUTES THAT ARE INDICATED ON THE DRAWING ARE ONLY INDICATIVE.

8. REFER TO OTHER DRAWINGS FOR SPECIFIC LAYOUT OF REQUIRED SERVICE THROUGHOUT THE BUILDING.

9. THE MECHANICAL CONTRACTOR AND ELECTRICAL CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR AND ATTENDANCES IN LIAISING WITH THE MAIN CONTRACTOR FOR THE COMPLETION OF ALL THE BUILDERS WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

10. ALL UNDERGROUND PIPE AND DUCTS SHALL BE BURIED TO THE DEPTH INDICATED ON THE SPECIFIC DETAILS.

11. FINAL LOCATION OF ALL UNDERGROUND TRENCHING AND SITE SERVICES SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.

12. THE MECHANICAL AND ELECTRICAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND AND OVERHEAD UTILITY SERVICES BEFORE EXCAVATION COMMENCES.

13. CAREFUL HAND DIGGING OF TRIAL HOLES USING A SAFE DIGGING PRACTICE SHALL BE USED FOR ACCURATE SERVICE LOCATION AND PRIOR TO USING A MECHANICAL EXCAVATOR IN THE VICINITY OF SERVICES. CABLE DEPTHS MAY NOT BE ASSUMED.

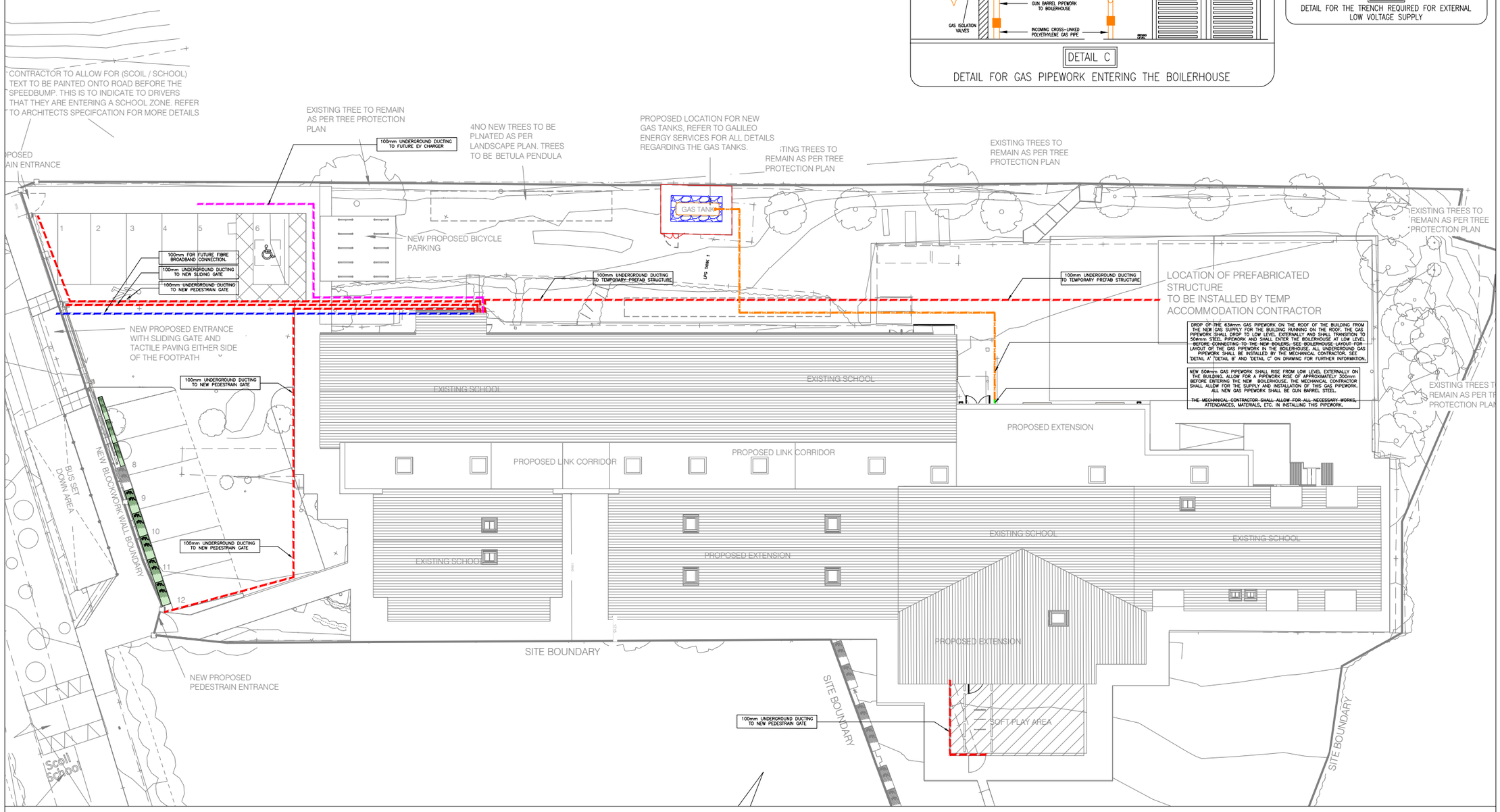
14. SEE DETAILS ON THIS DRAWING ON TRENCHING AND INSTALLATIONS REQUIRED FOR THE MECHANICAL AND ELECTRICAL SITE SERVICES INSTALLATIONS.

15. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR CONNECTING AND INTERFACING ALL THE NEW MECHANICAL SERVICES FOR THE NEW EXTENSION TO THE EXISTING MECHANICAL SERVICES IN THE EXISTING SCHOOL BUILDING.

16. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL TERMINATIONS AND CABLE ROUTEWAY DETAILS.

17. THE CONTRACTOR TO INCLUDE FOR ALL NECESSARY FIXINGS & SUPPORTS REQUIRED TO COMPLETE INSTALLATION.

18.THE CONTRACTOR SHALL ALLOW OF THE EFFECTIVE BONDING AND EARTHING OF THE ELECTRICAL INSTALLATION AND THE ELECTRICAL CABLE CONTAINMENT SYSTEM. ALL EARTHING AND BONDING SHALL COMPLY WITH CURRENT ETCI REGULATIONS.



MECHANICAL SITE SERVICES LAYOUT (SCALE 1:150)

REV	DATE	PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:
T1	21.07.26	R. WHYTE	G. BENNDORF

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Drawing Status: TENDER

Job Title: NUNS CROSS N.S, ASHFORD, CO. WICKLOW.

Drawing Title: M & E SITE SERVICES LAYOUT.

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Unit 4B, Elm House, Millennium Park, Naas, Co.Kildare, Ireland
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Scale:	Drawn By:	
1:150 @A1	ROBERT WHYTE	
Job No. 22-053	Drawing No. ME(S001)	Rev. T1