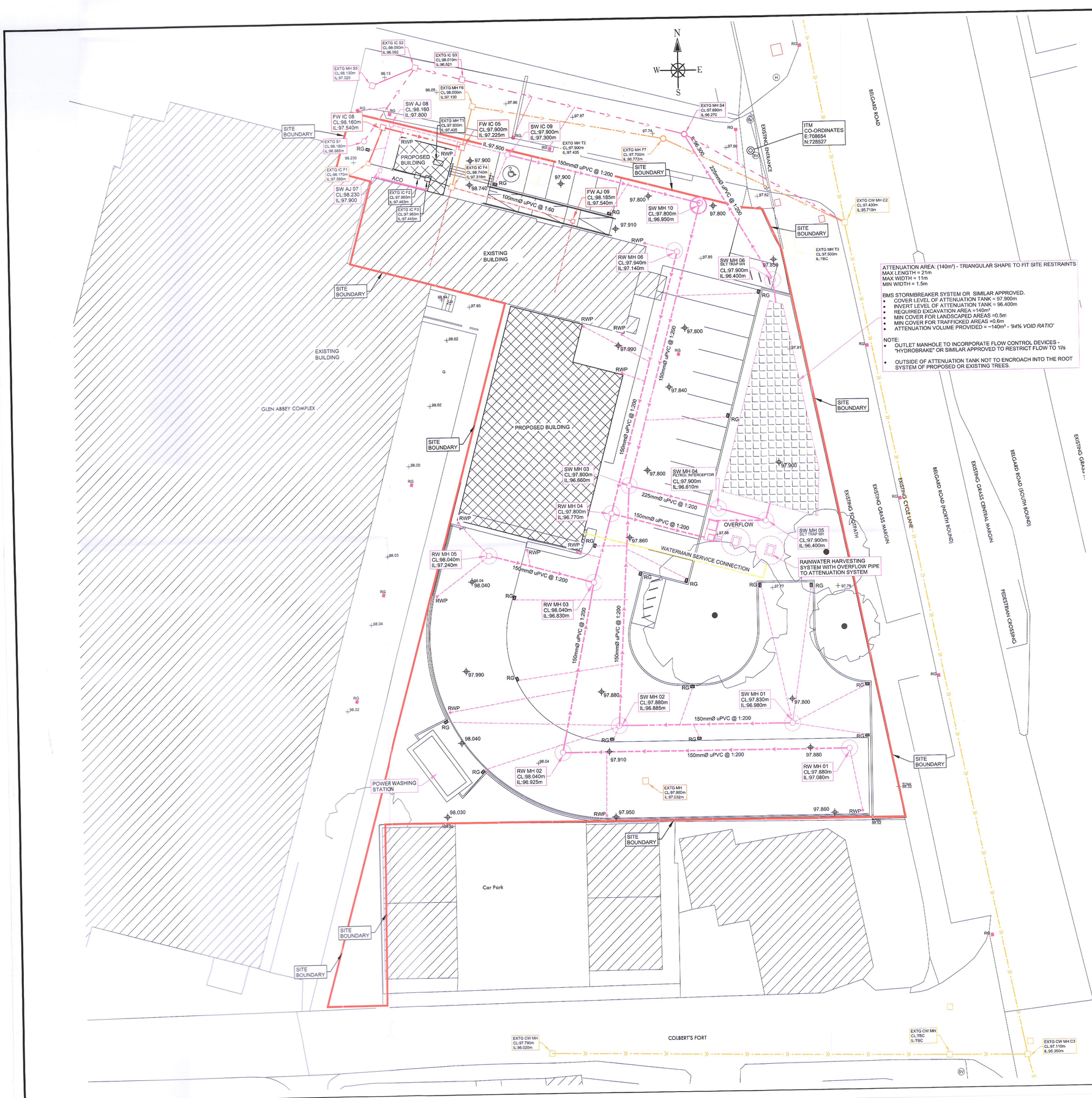

LEGEND

PROPOSED SURFACEWATER DRAINS AND MANHOLES
PROPOSED SW SERVICE CONNECTION SHOWN THUS
PROPOSED RAINWATER DRAINS AND MANHOLES
PROPOSED RW SERVICE CONNECTION SHOWN THUS
PROPOSED FOUL SEWERS AND MANHOLES
PROPOSED FW INSPECTION CHAMBER SHOWN THUS
EXISTING STORM WATER DRAIN TO BE RETAINED
EXISTING FOUL WATER DRAIN TO BE RETAINED
EXISTING COMBINED SEWER
PROPOSED WATERMAIN
PROPOSED IW BOUNDARY BOX SHOWN THUS
EXISTING WATERMAIN
PROPOSED GAS LINE
EXISTING SEWERS & PIPES TO BE ABANDONED
EXISTING LEVELS SHOWN THUS
PROPOSED LEVELS SHOWN THUS
EXISTING CONTOURS SHOWN THUS
PROPOSED CONTOURS SHOWN THUS
EXISTING SLUICE VALVE SHOWN THUS
EXISTING FIRE HYDRANT SHOWN THUS
EXISTING SCOUR VALVE VALVE SHOWN THUS
EXISTING METER SHOWN THUS
EXTG & PROP GULLY TRAP SHOWN THUS
EXTG, HARVESTING & PROP RAIN WATER PIPE SHOWN THUS
EXTG & PROP ROAD GULLEY SHOWN THUS
EXTG & PROP BACK INLET GULLY TRAP SHOWN THUS
PROPOSED HYDRANT SHOWN THUS
PROPOSED SCOUR VALVE SHOWN THUS
PROPOSED SLUICE SHOWN THUS
PROPOSED AIR VALVE SHOWN THUS
PROPOSED WATER METER SHOWN THUS
IRISH WATER WAYLEAVE SHOWN THUS
ELECTRICITY LINES
TELECOMMUNICATION LINES
FIBRE OPTIC LINES

NOTE:
- WATERMAINS TO HAVE A DESIRABLE COVER OF 1200mm AND NOT LESS THAN 900mm FROM FINISHED GROUND LEVEL.
- COVER SHOULD NOT EXCEED 3000mm
- MINIMUM DEPTH OF SERVICE CONNECTIONS SHALL BE 750mm
- DESIRABLE DEPTH OF BOUNDARY BOX AT SERVICE CONNECTION SHOULD BE 600mm +/-25mm WITH A MAXIMUM DEPTH OF 750mm

NOTE:
ALL DRAINS TO BE CONCRETE ENCASED WHERE CROWN LEVEL OF THE PIPES ARE LESS THAN:
- 1200mm BELOW GROUND LEVEL IN CAR PARKING AND ROAD AREAS
- 900mm IN GRASSED/LANDSCAPED AREAS

1. GENERAL NOTES:

1.1. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S AND ENGINEER'S DETAIL DRAWINGS AND SPECIFICATIONS.

1.2. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING.

1.3. ALL DIMENSIONS TO BE CHECKED ON SITE.

1.4. ENGINEER TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK COMMENCES ON SITE.

1.5. REFER ALSO TO CHH DRAWINGS 21-#-C-# TO 21-#-C-#.

2. DRAINAGE NOTES: (SURFACE WATER & WASTEWATER)

2.1. WASTE WATER INFRASTRUCTURE TO BE CARRIED OUT IN ACCORDANCE WITH:
IRISH WATER CODE OF PRACTICE FOR WASTE WATER INFRASTRUCTURE. CONNECTIONS AND DEVELOPER SERVICES. DESIGN & CONSTRUCTION REQUIREMENTS FOR SELF-LAY DEVELOPMENTS JULY 2020 (REVISION 2) –DOCUMENT IW-CDS-5030-03–

2.2. ALL WASTEWATER WORKS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE. THESE DOCUMENTS SHALL TAKE PRECEDENCE OVER ANY CONFLICTING DOCUMENTS IN RELATION TO WASTEWATER WORKS.

2.3. OTHER SITE DEVELOPMENT WORK TO BE CARRIED OUT IN ACCORDANCE WITH D.O.E. 'RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS' (1988).

2.4. INVERT LEVELS OF EXISTING SEWERS AND DRAINS TO BE CHECKED ON SITE BEFORE WORK BEGINS.

2.5. ALL WASTE WATER & SURFACE WATER SERVICE CONNECTIONS TO BE MIN. 100mm DIAMETER UNPLASTICISED PVC PIPES AND FITTINGS SHALL COMPLY WITH THE PROVISIONS IS EN 1401 2009/2012. PIPES TO BE APPLICATION AREA CODE "UD", STIFFNESS CLASS 8kN/M2.

2.4. PIPE MATERIALS, FITTINGS & JOINTS SHALL BE IN COMPLIANCE WITH SECTION 3.13 TO 3.17 OF THE IRISH WASTE WATER CODE OF PRACTICE .

2.5. REGARDING SEPARATION DISTANCES FROM OTHER SERVICES, BOUNDARY WALLS, TREES, ETC...THE CONTRACTOR IS TO COMPLY WITH IRISH WATER STANDARD DETAILS STD-WW-05,STD-WW-05A STD-WW-06, STD-WW-06A IN THE IRISH WATER STANDARD DETAILS FOR WASTE WATER INFRASTRUCTURE JULY 2020 (REVISION 4)

2.6. ROAD GULLIES TO BE PRECAST CONCRETE UNITS TO B.S.5911 AND WITH DUCTILE IRON GRATINGS TO I.S.261 GRADE A. OUTLETS TO BE 150mm DIAMETER

3. WATER MAINS:

3.1. WATER MAIN INFRASTRUCTURE TO BE CARRIED OUT IN ACCORDANCE WITH THE LATEST:
IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE. CONNECTIONS AND DEVELOPER SERVICES. DESIGN & CONSTRUCTION REQUIREMENTS FOR SELF-LAY DEVELOPMENTS JULY 2020 (REVISION 2) –DOCUMENT IW-CDS-5020-03–

3.2. ALL WATER WORKS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER STANDARD DETAILS AND CODE OF PRACTICE FOR WATER INFRASTRUCTURE. THESE DOCUMENTS SHALL TAKE PRECEDENCE OVER ANYCONFLICTING DOCUMENTS IN RELATION TO WATER WORKS.

3.3. OTHER SITE DEVELOPMENT WORK TO BE CARRIED OUT IN ACCORDANCE WITH D.O.E. 'RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS FOR HOUSING AREAS' (1988).

3.4. PIPE MATERIALS, FITTINGS & JOINTS SHALL BE IN COMPLIANCE WITH SECTION 3.9 & 3.10 OF THE IRISH WATER CODE OF PRACTICE .

3.5. WATERMAINS SHALL BE CONSTRUCTED FROM PE80 SDR17 PIPE TO IS EN 12201: PART 1 AND PART 2 AND I.S. EN 12201-3.

3.6. SERVICE CONNECTION PIPES SHALL BE CONSTRUCTED FROM PE-80 SDR-17. PIPES SHALL HAVE A MINIMUM PRESSURE CLASSIFICATION OF 9.0 BAR.

3.7. WATER MAINS , BOUNDARY BOXES, WATER METERS, FIRE HYDRANTS AND ALL NECESSARY VALVES & CHAMBERS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS & CODE OF PRACTICE

3.8. REGARDING SEPARATION DISTANCES FROM OTHER SERVICES, BOUNDARY WALLS, TREES, ETC...THE CONTRACTOR IS TO COMPLY WITH IRISH WATER STANDARD DETAILS STD-W-11, STD-W-12, STD-W-12A IN THE IRISH WATER STANDARD DETAILS FOR WATER INFRASTRUCTURE JULY 2020 (REVISION 4)

3.9. EXISTING SERVICES SHALL BE MAINTAINED AS REQUIRED DURING THE COURSE OF THE WORKS. THE CONTRACTOR SHALL ENSURE THAT THE EXISTING WATERMAINS REMAIN LIVE UNTIL THE NEW DIVERTED WATERMAINS AND SPURS ARE INSTALLED, TESTED AND FLUSHED OUT.

3.10. CONTRACTOR TO PROVIDE ALL NECESSARY FITTINGS TO CONNECT TO EXISTING AND PROPOSED PIPEWORK. NUMBER OF FITTINGS TO BE KEPT TO A MINIMUM TO REDUCE THE POTENTIAL FOR LEAKS.

3.11. HOUSING DEVELOPMENTS WITH UNITS OF DETACHED OR SEMIDETACHED HOUSES OF NOT MORE THAN TWO FLOORS SHOULD HAVE A WATER SUPPLY CAPABLE OF DELIVERING A MINIMUM OF 8 l/s THROUGH ANY SINGLE HYDRANT. MULTI OCCUPIED HOUSING DEVELOPMENTS WITH UNITS OF MORE THAN TWO FLOORS SHOULD HAVE A WATER SUPPLY CAPABLE OF DELIVERING A MINIMUM OF 20 TO 35 l/s THROUGH ANY SINGLE HYDRANT ON THE DEVELOPMENT. -UNLESS OTHERWISE STATED BY LOCAL FIRE SERVICES-

CHH
Civil & Structural
Consulting Engineers
INNISFREE HOUSE, 44-45 HIGH STREET, SLIGO, F91 RFN1
071 9161844 (Sligo HQ) Email:info@chh.ie
Web:www.chh.ie

CLIENT:	HEALTH SERVICE EXECUTIVE - HSE ESTATES
ARCHITECT:	AXO ARCHITECTS
PROJECT:	GLEN ABBEY COMPLEX, BELGARD ROAD, TALLAGHT
TITLE:	PROPOSED DRAINAGE & WATERMAIN LAYOUT
DATE:	03/11/2022
DRAWING NO:	21-082-C-02
-REVISION-	
DRAWN BY:	CF
APPROVED BY:	PH
SCALE:	1:200
STAGE:	PLANNING