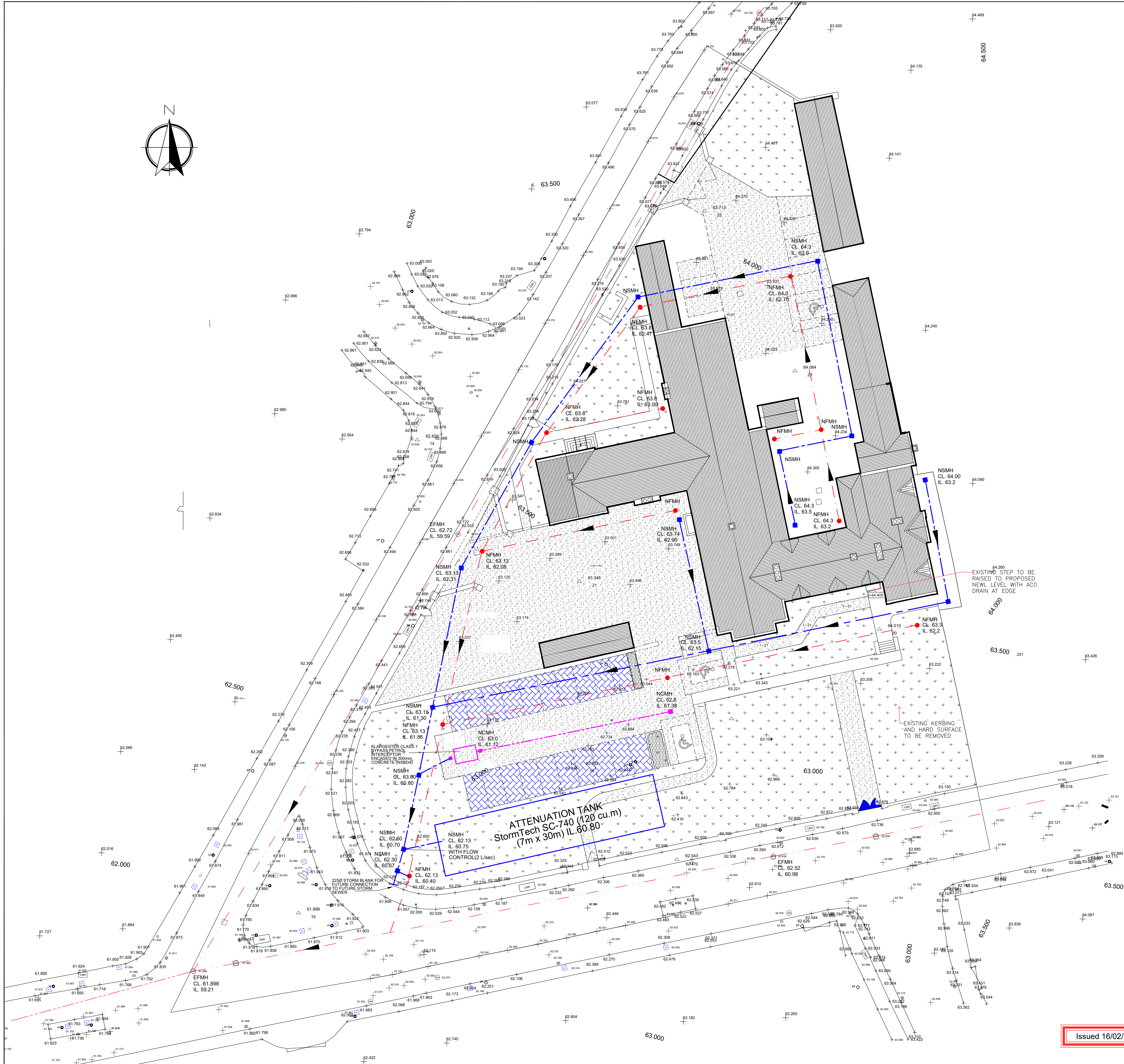




- DENOTES EXISTING PUBLIC COMBINED SEWER
- DENOTES EXISTING PUBLIC FOUL DRAIN
- DENOTES 225Ø CONTAMINATED STORM DRAIN AT 1:100 TO PETROL INTERCEPTOR
- DENOTES TWIN WALL SN6 SURFACE WATER DRAIN (225Ø TO 300Ø) AT 1:100
- DENOTES 150Ø PVCu SN8 FOUL DRAIN AT 1:100 UNO

- NSMH DENOTES NEW STORM MANHOLE
- NCMH DENOTES NEW CONTAMINATED STORM MANHOLE (TO PETROL INTERCEPTOR)
- NFMH DENOTES NEW FOUL MANHOLE

- DENOTES PERMEABLE PAVEMENT
- DENOTES PERMEABLE BITMAC

NOTES:

ALL DRAINAGE IS TO COMPLY WITH CURRENT BUILDING REGULATIONS AND TECHNICAL GUIDANCE DOCUMENT PART H

ALL DRAINAGE TO COMPLY WITH GDSDS

ALL FOUL DRAINAGE DESIGN AND DETAILING TO COMPLY WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE

ALL PIPEWORK DESIGNED WITH A MAXIMUM VELOCITY OF 2.5 M/SEC HALF BOARD. MINIMUM VELOCITIES TO BE 0.75 M/SEC FOR FOUL SEWERS AND 1 M/SEC FOR STORM SEWERS AT HALF BOARD.

**COVER REQUIREMENTS:**  
COVER IN PAVED AREAS  
ALL DRAINAGE PIPES ARE TO BE LAID WITH A MINIMUM COVER TO CROWN OF 1.2m. WHERE PIPES ARE TO BE LAID WITH LESS THAN 1.2m COVER, PROTECTION TO BE AS FOLLOWS.  
ENCASE AND BED PIPE IN MIN. 150 CONCRETE (20N/10) OVER CROWN. BACKFILL TO TRENCH TO BE CLAUSE 808 MATERIAL TO D.O.E. SPECIFICATION FOR ROADWORKS.

ALL OTHER PIPEWORK TO BE BEDDED IN GRANULAR MATERIAL i.e. 10mm SINGLE SIZED OR 5-14mm GROUND AGGREGATE WITH MINIMUM FINES CONTENT.

**COVER IN GRASSED AREAS**  
ALL PIPES IN GRASSES AREAS TO HAVE A MINIMUM COVER OF 600mm TO GROWN OF PIPE. WHERE PIPES ARE TO BE LAID WITH COVER LESS THAN 600mm IN GRASSED OR GARDEN AREAS, PROTECTION TO BE AS FOLLOWS:  
ENCASE AND BED PIPE IN MIN. 150 CONCRETE 20N/10 OVER CROWN. BACFILL TO TRENCH TO BE SELECTED. FILL MATERIAL TO ENGINEERS APPROVAL.

|                                                                                                           |         |                |                 |                                                       |              |
|-----------------------------------------------------------------------------------------------------------|---------|----------------|-----------------|-------------------------------------------------------|--------------|
| <b>FEARON O'NEILL ROONEY CONSULTING ENGINEERS</b>                                                         |         |                |                 | Project Innovation Hub Dublin Road, Athy, Co. Kildare |              |
| 12 Windsor Place, Lower Pembroke Street, Dublin 2<br>Ph.(01) 6766167, Fax.(01)6611073 Email: info@fonr.ie |         |                |                 | Title Site Plan Showing Proposed Foul & Storm Drains  |              |
| Drawn J.P.                                                                                                | Checked | Scale 1:250 A1 | Date 25.01.2021 | Architect Bluett & O'Donoghue                         | 4028-WD-100C |

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