

- LIST OF IRISH WATER WASTEWATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- STD-WW-02 TYPICAL LAYOUT FOR SEWER WITHIN NEW DEVELOPMENT
  - STD-WW-03 DRAIN AND SERVICE CONNECTION PIPEWORK
  - STD-WW-04 TYPICAL SEWER/SERVICE PIPE CONNECTION
  - STD-WW-05 TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES
  - STD-WW-06 RESTRICTIONS ON TREES/SHRUBS PLANTING ADJACENT TO SEWERS
  - STD-WW-07 TRENCH BACKFILL & BEDDING
  - STD-WW-08 CONCRETE BED, HAUNCH & SURROUND TO WASTEWATER PIPES
  - STD-WW-09 BLOCKWORK MANHOLE (400mm)
  - STD-WW-10 PRE-CAST CONCRETE MANHOLE
  - STD-WW-11 IN-SITU CONCRETE MANHOLE
  - STD-WW-12 BACKSLOPE OF MANHOLES
  - STD-WW-13 PRIVATE SIDE INSPECTION CHAMBER
  - STD-WW-14 THROST BLOCKS FOR RISING MAINS
  - STD-WW-15 SCOUR VALVE CHAMBER (FOUL RISING MAIN <200mm)
  - STD-WW-16 SLUICE VALVE DETAILS FOR RISING MAINS DUCTILE IRON (D.I.) PIPE (<200mm) (SHEET 1 OF 2)
  - STD-WW-17 SLUICE VALVE DETAILS FOR RISING MAIN POLYETHYLENE (P.E.) PIPE (<200mm) (SHEET 2 OF 2)
  - STD-WW-18 AIR VALVE CHAMBER (FOUL RISING MAIN <200mm)
  - STD-WW-19 DUCT CHAMBER
  - STD-WW-20 EMERGENCY OVERFLOW STRUCTURE
  - STD-WW-21 TYPICAL DITCH/STREAM CROSSING FOR GRAVITY MAIN (SHEET 1 OF 2)
  - STD-WW-22 TYPICAL DITCH/STREAM CROSSING FOR RISING MAIN (SHEET 2 OF 2)
  - STD-WW-23 TYPICAL BRIDGE CROSSING FOR RISING MAIN (SHEET 1 OF 2)
  - STD-WW-24 TYPICAL BRIDGE CROSSING FOR RISING MAIN (SHEET 2 OF 2)
  - STD-WW-25 SECURITY GATE & FENCING
  - STD-WW-26 INDICATIVE PUMPING STATION LAYOUT
  - STD-WW-27 FLOW METER CHAMBER (FOUL RISING MAIN <200mm)
  - STD-WW-28 INDICATIVE SUBMERSIBLE PUMPING STATION
  - STD-WW-29 INDICATIVE PIPED-CAST CONCRETE SUBMERSIBLE PUMPING STATION
  - STD-WW-30 KIOSK TYPE 1 PUMPING STATION & WET KIOSK (SHEET 1 OF 2)
  - STD-WW-31 KIOSK TYPE 2 + 3 PUMPING STATION & WET KIOSK (SHEET 2 OF 2)
  - STD-WW-32 HARVESTING AREA PUMPING STATION (PERMEABLE & IMPERMEABLE)
  - STD-WW-33 LAMP BOLLARD & LAMP STANDARD
  - STD-WW-34 VENT STACK

NOTES:

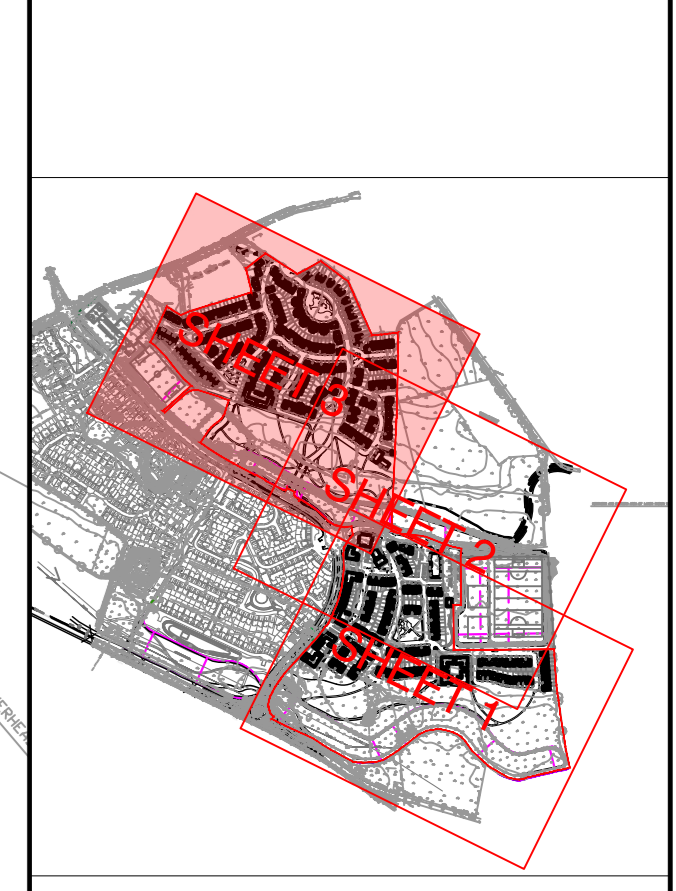
1. ALL DIMENSIONS TO BE CHECKED BY CONTRACTOR ON SITE AND ENGINEER INFORMED OF DISCREPANCIES BEFORE WORK COMMENCES.
2. THE CONTRACTOR SHALL SATISFY HIMSELF AS TO THE ACCURACY OF EXISTING FINISH LEVELS AND LOCATION OF EXISTING SERVICES ON SITE PRIOR TO COMMENCEMENT OF WORKS ON SITE.
3. ALL DIMENSIONS AND LEVELS ARE IN METERS AND ARE RELATED TO ORDNANCE DATUM (O.D.) UNLESS OTHERWISE STATED.
4. ALL TRENCHES, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (2009/2012) (200mm) (SHEET 1 OF 2).
5. ALL TRENCHES SHALL BE CONSTRUCTED TO A MINIMUM 150mm DEPTH TO O.D. IN 1401 2009/2012, STRENGTH CLASS SN/102 IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (2009/2012) (200mm) (SHEET 2 OF 2).
6. ALL PUBLIC FLOOR SERVICES TO BE MINIMUM 225mm DIAMETER CLASS B CONCRETE TO IS 8188 & IS 2004 OR UP TO IS 8188 TO IS 1401 2009/2012, STRENGTH CLASS SN/102 IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (2009/2012) (200mm) (SHEET 2 OF 2).
7. ALL PUBLIC FLOOR SERVICES TO BE MINIMUM 150mm DIAMETER CLASS B CONCRETE TO IS 8188 & IS 2004 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR BRIDGE WORKS.
8. ALL PUBLIC FLOOR SERVICES TO BE MINIMUM 150mm DIAMETER CLASS B CONCRETE TO IS 8188 & IS 2004 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR BRIDGE WORKS.
9. ALL PUBLIC FLOOR SERVICES TO BE MINIMUM 150mm DIAMETER CLASS B CONCRETE TO IS 8188 & IS 2004 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR BRIDGE WORKS.
10. ALL COVER LEVELS TO MATCH FINISH.
11. CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SEWERS UPON COMPLETION OF WORKS.
12. ALL TRENCHES TO BE REINFORCED WITH 100mm REINFORCED CONCRETE TO IS 8188 & IS 2004 IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR BRIDGE WORKS.
13. WHERE COVERS ARE LOCATED IN DRAINAGE AREAS THEY SHALL BE SURROUNDED BY A CONCRETE BENCH 200mm ALL ROUND AND 100mm DEEP FINISHED WITH CO/15 CONCRETE, DOWN ACCORDING TO THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR BRIDGE WORKS.
14. CONTRACTOR TO ENSURE GULLIES ARE PROVIDED AT LOW POINTS.

**LEGEND**

- PROPOSED EXTENT OF WORKS BOUNDARY
- PROPOSED ROADWAY
- PERMEABLE FINING (PRIVATE)
- PROPOSED ROAD LEVEL
- FINISHED FLOOR LEVEL
- PROPOSED SURFACE WATER SEWER
- PROPOSED SURFACE WATER GULLY AND 1500mm COLLECTOR PIPE
- PROPOSED SURFACE WATER BRID MANHOLE
- PROPOSED SURFACE WATER SCALE WITH LATERAL INLET KEPS
- PROPOSED FOUL WATER SEWER
- EXISTING WATERMAIN
- EXISTING FOUL WATER SEWER
- EXISTING WATER/STREAM

**EXISTING FLOODWORKS MITIGATION LEGEND**

- CONSTRUCTED FLOOD STORAGE ZONE
- EXISTING REINFORCED EARTH BEAM/FILL AREA
- EXISTING FLOW RETURN PIPES THROUGH REINFORCED EARTH BEAM
- FLOODPLAIN GROUND LEVEL
- EXISTING WATER/STREAM



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 GOVERNMENT OF IRELAND

DATE: 17/12/19  
 PROJECT: NEWTOWNMOYAGHY SHD  
 SHEET: SITE SERVICES LAYOUT SHEET 3 OF 3

**STAGE 2 - PLANNING**

DESIGNED BY	DATE	APPROVED BY	DATE
PREPARED BY	DATE	CHECKED BY	DATE

DBFL Consulting Engineers

CLIENT: MCGARRELL REILLY

SCALE: 1:500 @A4

FILE REF: 190009-DBFL-XX-DR-C-3002

DWG NO: 190009-DBFL-XX-DR-C-3002 P1