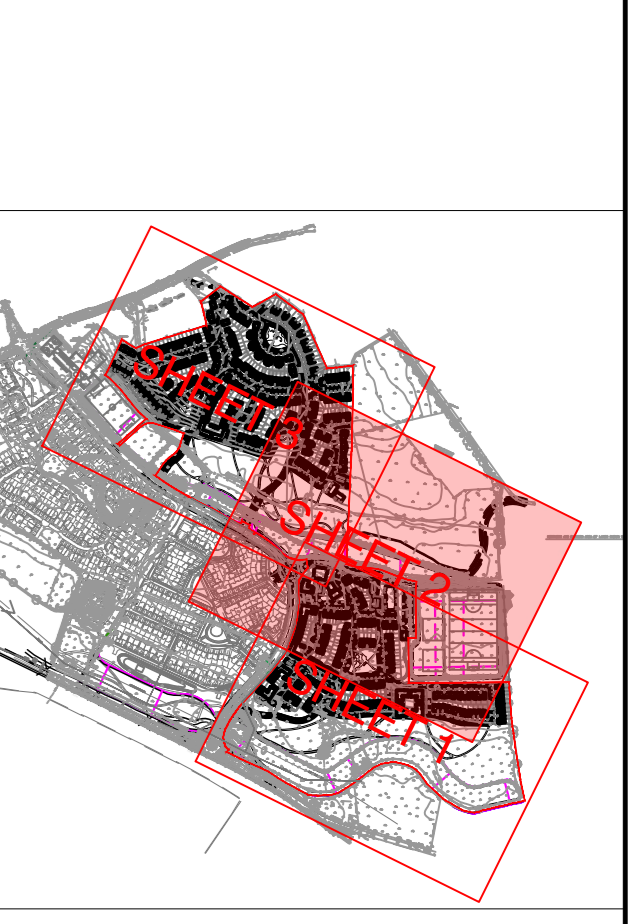


- LIST OF IRISH WATER STANDARD DETAILS BROUGHT INTO THE CONTRACT
- STD-WW-02 TYPICAL LAYOUT FOR SEWER WITHIN NEW DEVELOPMENT
 - STD-WW-03 DRAIN AND SERVICE CONNECTION PIPEWORK
 - STD-WW-04 TYPICAL SEWER/SERVICE PIPE CONNECTION
 - STD-WW-05 TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES
 - STD-WW-06 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 BLOCKWORKY MANHOLE (450mm)
 - STD-WW-10 PRE-CAST CONCRETE MANHOLE
 - STD-WW-11 IN-SITU CONCRETE MANHOLE
 - STD-WW-12 BACKSLOPE MANHOLES
 - STD-WW-13 PRIVATE SIDE INSPECTION CHAMBER
 - STD-WW-14 THRUST 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 CHAMBERS (FOUL RISING MAIN <200mm)
 - STD-WW-28 INDICATIVE SUBMERSIBLE PUMPING STATION
 - STD-WW-29 RISING MAIN DISCHARGE MANHOLE
 - 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 DRAWINGS 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 ELEVATIONS 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 STATED OTHERWISE.
 4. ALL FLOW SERVICES, MANHOLES AND CONNECTIONS TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER CODES OF PRACTICE FOR WATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (200mm) (SHEET 1 OF 2).
 5. ALL FLOW SERVICES SHALL BE MINIMUM 150mm Ø UP TO 6 EN 1401 2009/2012 STIFFNESS CLASS B/N/M2 IN ACCORDANCE WITH RSI SPECIFICATIONS.
 6. ALL PUBLIC FLOW SERVICES TO BE MINIMUM 225mm Ø UP TO 6 EN 1401 2009/2012 STIFFNESS CLASS B/N/M2. ALL OTHER PUBLIC FLOW SERVICES TO BE 300mm Ø UP TO 6 EN 1401 2009/2012 STIFFNESS CLASS B/N/M2. ALL OTHER PUBLIC FLOW SERVICES TO BE 450mm Ø UP TO 6 EN 1401 2009/2012 STIFFNESS CLASS B/N/M2.
 7. ALL PUBLIC FLOW SERVICES TO BE MINIMUM 150mm Ø UP TO 6 EN 1401 2009/2012 STIFFNESS CLASS B/N/M2. ALL OTHER PUBLIC FLOW SERVICES TO BE 200mm Ø UP TO 6 EN 1401 2009/2012 STIFFNESS CLASS B/N/M2.
 8. ALL PUBLIC FLOW SERVICES TO BE MINIMUM 150mm Ø UP TO 6 EN 1401 2009/2012 STIFFNESS CLASS B/N/M2. ALL OTHER PUBLIC FLOW SERVICES TO BE 200mm Ø UP TO 6 EN 1401 2009/2012 STIFFNESS CLASS B/N/M2.
 9. WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH THE IRISH WATER CODES OF PRACTICE FOR WATER INFRASTRUCTURE AND IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS (200mm) (SHEET 1 OF 2).
 10. ALL COVER LEVELS TO MATCH FINISHED FLOOR LEVELS UNLESS OTHERWISE STATED.
 11. CONTRACTOR TO INCLUDE FOR CCTV SURVEY OF ALL SERVICES PRIOR TO COMMENCEMENT OF WORKS.
 12. ALL FLOW SERVICES TO BE AS TESTED IN ACCORDANCE WITH RSI SPECIFICATIONS.
 13. WHERE COVERS ARE LOCATED IN GRASS AREAS THEY SHALL BE SURROUNDED BY A CONCRETE CURB 200MM ALL ROUND AND HUMAN DEEP FENCED WITH CO/2/5 CONCRETE. WORK NECESSARY TO BE TESTED IN GRASS 800 MINIMUM.
 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
 - PROPOSED SURFACE WATER SLOPE WITH LATERAL INLET KEPS
 - PROPOSED FLOW WATER SEWER
 - EXISTING WATERMAIN
 - EXISTING SW SEWER
 - EXISTING FOUL SEWER
- EXISTING FLOODWORKS MITIGATION LEGEND
- EXISTING FLOOD TOP WATER LEVEL
 - EXISTING FLOOD LEVELS FROM KRIMS
 - CONSTRUCTED FLOOD STORAGE ZONE
 - EXISTING REINFORCED EARTH BEAM/FILL AREA
 - EXISTING FLOW RETURN PIPES THROUGH REINFORCED EARTH BEAM
 - FLOODPLAIN GROUND LEVEL
 - EXISTING RIVER/STREAM



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PT: 17/12/19	PLANNING ISSUE	BY: [Signature]
REV: 01	DATE: 12/12/19	BY: [Signature]

STAGE 2 - PLANNING

DESIGNED: [Signature]	DATE: [Date]	PREPARED: [Signature]	DATE: [Date]
CHECKED: [Signature]	DATE: [Date]	APPROVED: [Signature]	DATE: [Date]

DBFL Consulting Engineers

PROJECT: **NEWTOWNMOYAGHY SHD**

DWG TITLE: **SITE SERVICES LAYOUT SHEET 2 OF 3**

CLIENT: **MCGARRELL REILLY**

SCALE: 1:500 (A4) FILE REF: 190009-DBFL-XX-XX-DR-C-3001

DRG NO: 190009-DBFL-XX-XX-DR-C-3001 P1