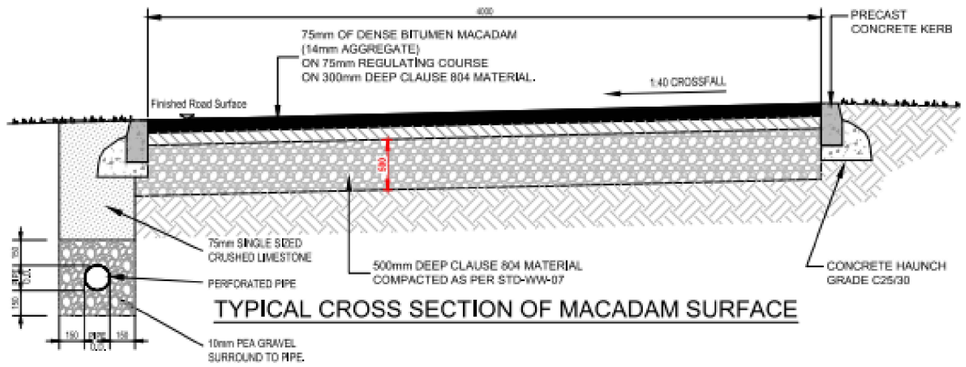
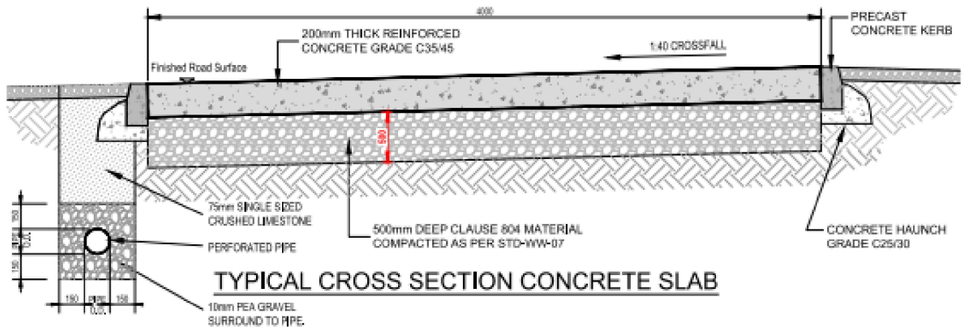
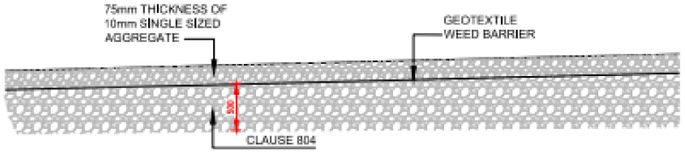
1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. REGULATING COURSE TO BE REVIEWED BY IRISH WATER.
3. STRUCTURAL DESIGN AND REINFORCEMENT DETAIL TO BE PROVIDED BY THE DEVELOPER AND SUBMITTED TO IRISH WATER FOR REVIEW.
4. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
5. PRECAST KERBS TO BE IN ACCORDANCE WITH IS EN 1340:2003.



TYPICAL CROSS SECTION OF MACADAM SURFACE



TYPICAL CROSS SECTION CONCRETE SLAB



PERMEABLE SURFACE AREA

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE ÉIREANN : IRISH WATER

No.	Date	Drn	Chk	Description	App
2	07/20	RH	TOC	Material depths modified, permeable area detail amended, drainage detail added	MCD
1	11/17	JMC	TOC	Updated notes 2 & 3	MCD
0	09/15	JMC	TOC	Initial Issue	SL

STANDARD DETAILS - WASTEWATER

SCALE: NOT TO SCALE | DATE: SEPT. 2015

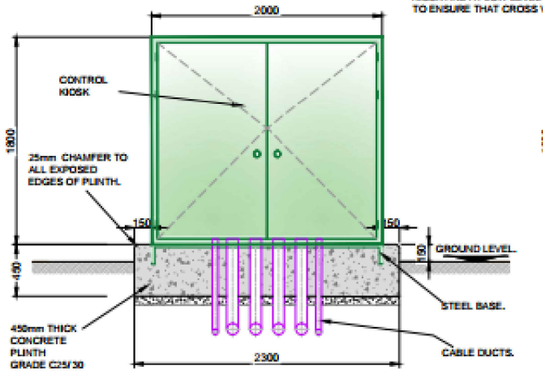
TITLE: HARDSTANDING AREA PUMPING STATION (PERMEABLE AND IMPERMEABLE)

DRAWING No.: STD-WW-32 | REV: 2

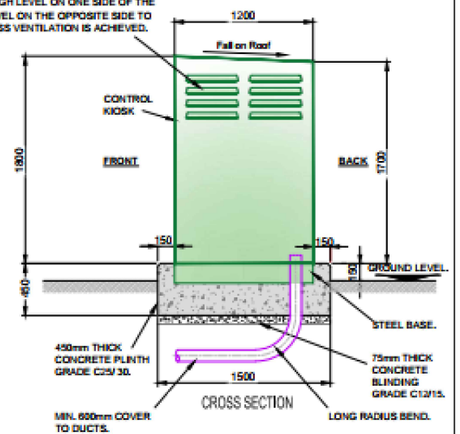
SCALE: Custom

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.
2. KIOSKS TO BE CONSTRUCTED FROM THERMOSETTING U.V. & WEATHER RESISTANT PLASTIC POWDER COATED & HOT DIPPED GALVANISED MILD STEEL PLATE (MINIMUM 3mm THICKNESS) TO BS EN 1461. STAINLESS STEEL MAY BE USED AS AN ALTERNATIVE KIOSK MATERIAL, PARTICULARLY IN SEVERE ENVIRONMENTS, SUBJECT TO AGREEMENT WITH IRISH WATER.
3. COLOUR TO BE HOLLY GREEN BS 4800 14 C39. INTERIOR FINISH TO BE WHITE UNLESS APPROVED BY IRISH WATER.
4. THE QUALITY OF KIOSK CONSTRUCTION SHALL ENSURE THAT THE FOLLOWING IS ACHIEVED:
   A) A THERMAL TRANSMITTANCE OF 1.5W PER m²K
   B) A FIRE RESISTANCE (RETENTION OF STABILITY, INTEGRITY AND INSULATION) EQUIVALENT TO CLASS 2 OF BS 476, WHEN TESTED IN ACCORDANCE WITH BS 476 FOR A PERIOD EXCEEDING 30 MINUTES.
   C) AN IP RATING OF IP55 OR EQUIVALENT.
5. KIOSK TO HAVE SINGLE OR DOUBLE STEELGARP DOORS WITH MULTIPLE LOCKS TO LPS 1175 SR3 OR EN 1627. MINIMUM DOUBLE LOCKS WITH BOLTS THAT ENGAGE INTO THE SILL & HEADER AS WELL AS BETWEEN THE TWO LEAVES OR LEAF & FRAME. LEADING EDGE OF LEAVES TO HAVE EITHER REBATED EDGES OR FITTED WITH ASTRAGALS.
6. KIOSK TO BE BOLTED TO THE PLINTH THROUGH A BOTTOM FLANGE WITH GALVANISED MILD STEEL OR STAINLESS STEEL ANCHOR BOLTS.
7. THE BOTTOM FLANGE SHALL BE SEATED ON A NEOPRENE GASKET AND SEALED WITH MASTIC.
8. REAR WALL SHALL BE REINFORCED WITH STAINLESS STEEL SECTIONS TO WHICH A MARINE PLY WOOD , 18mm THICK BOARD IS FIXED.
9. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE ULTIMATE SIZING OF THE KIOSK TO ENSURE ADEQUATE SPACE REQUIREMENTS .
10. TELEMETRY DUCTING TO BE IN ACCORDANCE WITH BS 4568 AND BS EN 1401.
11. ELECTRICAL REQUIREMENTS TO BE IN ACCORDANCE WITH ESB SPECIFICATION.
12. THE ROOF OF THE KIOSK SHALL BE REMOVABLE (BOLTS) TO FACILITATE BACKBOARD REMOVAL.
13. ALL EXPOSED PIPEWORK TO BE ADEQUATELY INSULATED WITH PIPE LAGGING.
14. ALL CONCRETE TO BE IN ACCORDANCE WITH IS EN 206.
15. WATER TIGHT SEALS ARE TO BE PROVIDED WHERE DUCTING ENTERS DUCT CHAMBERS AND KIOSKS. ALL DUCTING TO BE INSTALLED WITH DRAW CORDS.
16. THE KIOSK SHALL NOT BE LOCATED IN AREAS THAT ARE SUSCEPTABLE TO FLOODING AT A FREQUENCY OF MORE THAN 1:30 YEARS RECURRENCE. THE KIOSK FACILITY SHOULD BE DESIGNED FOR INUNDATION. THE FINISHED SLAB LEVEL SHOULD BE POSITIONED ABOVE THE 1:100 YEARS FLOOD LEVEL. ALL ELECTRICAL CONTROL EQUIPMENT SHALL BE WATER RESISTANT AND POSITIONED ABOVE THE 1:200 YEAR FLOOD LEVEL.
17. ALL DIMENSIONS ARE MINIMUM DIMENSIONS AND MAY VARY TO SUIT THE KIOSK REQUIREMENT.
18. ALTERNATIVE BLOCKWORK STRUCTURE WITH CONCRETE ROOF TO BE PROVIDED IF REQUIRED BY PLANNING PERMISSION OR TO INCREASE SECURITY IN ACCORDANCE WITH CLAUSE 5.22 OF THE CODE OF PRACTICE.

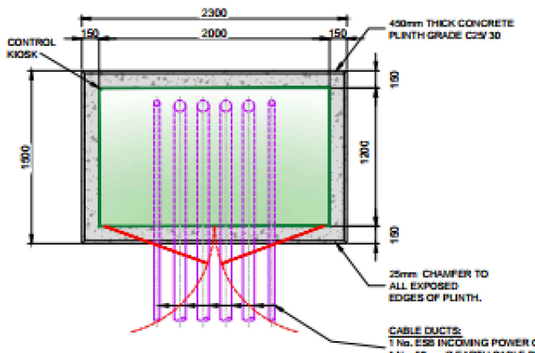
VENTILATION GRILLES COMPLETE WITH FLY SCREENS TO BE PROVIDED AT HIGH LEVEL ON ONE SIDE OF THE KIOSK AND AT LOW LEVEL ON THE OPPOSITE SIDE TO TO ENSURE THAT CROSS VENTILATION IS ACHIEVED.



FRONT ELEVATION



CROSS SECTION



PLAN

REFER TO INDEX SHEET FOR NOTES REGARDING DESIGN RESPONSIBILITY & RISK ASSESSMENT

UISCE ÉIREANN : IRISH WATER

No.	Date	Drn	Chk	Description	App
0	07/20	RH	TOC	Initial Issue	MCD

STANDARD DETAILS - WASTEWATER

SCALE: NOT TO SCALE | DATE: SEPT. 2019

TITLE: TYPE 2 AND TYPE 3 PUMPING STATION CONTROL KIOSK

DRAWING No.: STD-WW-30A | REV: 0

Notes:

Do not scale from drawing.
For PLANNING Purposes only. Not for Construction.
All dimensions are in metres.
Any discrepancies found consult with design office.
Main sewer tie in invert levels to be verified by SI.

Note: Drawing To Be Read in Conjunction With Irish Water: Water Infrastructure Standard Details Document Number: IW-CDS-5020-01 & Irish Water Code of Practice for Water Infrastructure: IW-CDS-5020-03

LEGEND:

Standard separation distances refer to STD-WW-05 & STD-WW-0

- Site Boundary
- Proposed Foul Manhole (STD-WW-09R1, STD-WW-10R1, STD-WW-11R1 & STD-WW-12R1)
- Proposed Foul Inspection Chamber (STD-WW-13R1)
- Proposed Foul Sewer Line 150/225/450mm Ø. (STD-WW-04, STD-WW-05, STD-WW-06R1, STD-WW-07& STD-WW-08)
- Proposed Foul house connection 100mm dia. (STD-WW-01, STD-WW-03 & STD-WW-04)
- Proposed Rising Main 200mm dia. Polyethylene (STD-WW-26A)

Proposed Wastewater pump station to be Type 3 with emergency storage capacity, as per IW COP.

All sewer longsections are 1:5 horizontal to vertical scaling.

Rev	By	Date	Description

Drawing Status: PLANNING
NOT CERTIFIED FOR CONSTRUCTION

Project Title:
PROPOSED RESIDENTIAL DEVELOPMENT (PHASE 2) AT RINGWOOD, BLARNEY, CO. CORK

Drawing Title:
PROPOSED WASTEWATER SEWER- PHASE 2
RINGWOOD
SHEET 12

Client:
CLOCKSTRIKE LTD.

M.H.L & Associates Ltd.
Consulting Engineers
Unit 1B, The Atrium, Blackpool, Cork
Tel: 021-4840214
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E-Mail:info@mhl.ie

Job No: 21079DEV | Designed: DM | Drawn: DM | Checked: BM

Scale: AS SHOWN @ A3 | Date: NOV. 2025

Drawing No: BLR-2-02-SW-ZZZ-DR-MHL-CE-00520 | Rev.: _03

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