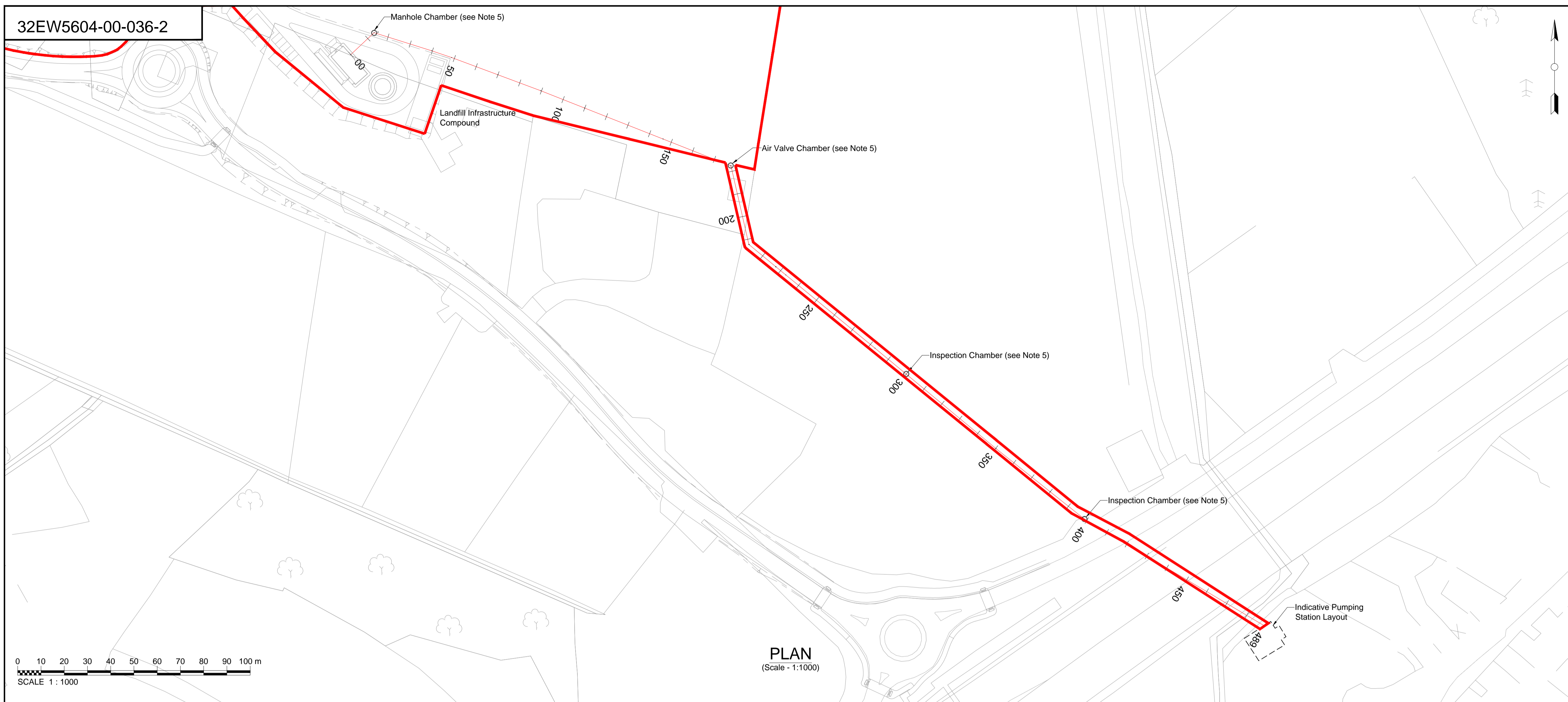


32EW5604-00-036-2



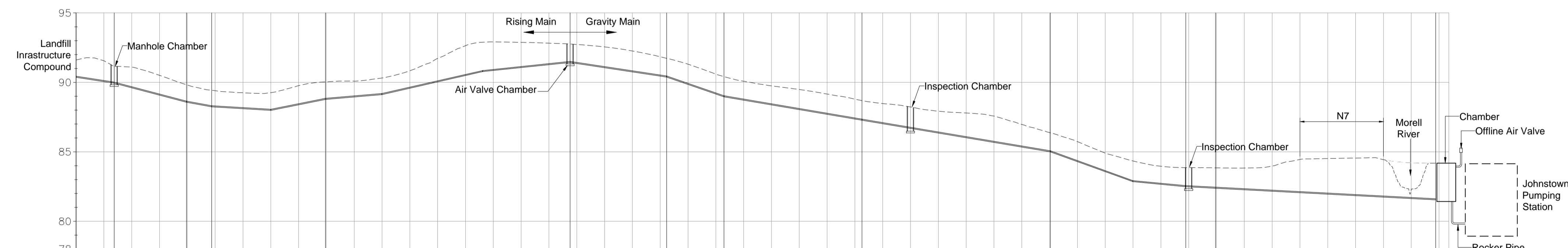
PLAN
(Scale - 1:1000)

FIGURE 4.17

Based on Ordnance Survey Ireland data and reproduced under Ordnance Survey Ireland Licence Number 2016/26/CCMA/Kildare County Council. Unauthorised reproduction infringes Ordnance Survey Ireland and Government of Ireland copyright.

- KEY:**
- Licence Boundary
 - Existing Ground Profile
 - Indicative Level of Leachate Pipeline
 - Indicative Chamber Location

- NOTES:**
1. Ground profile based on topographical survey dated February 2016.
 2. Final line and level of leachate pipe is subject to detailed design following arrangement for connection by Irish Water.
 3. Levels of Johnstown pumping station taken from design drawings provided by KCC, dated November 2005.
 4. All dimensions in metres unless stated otherwise.
 5. Airtight seals to be provided to all pipework entries in all chambers.
 6. Profile shown over N7 and Morell River is interpolated from DTM data and site observations



| Chainage (m) | Existing Levels (mAOD) | Invert Level (mAOD)/Chainage (m) | Pipe Gradient (1:X) | Cover (m) [Min Cover Pipe Run] | Pipe Material |
|--------------|------------------------|----------------------------------|---------------------|--------------------------------|-------------------------------|
| 0000 | 91.613 | 90.36/0.00 | | 1.17 [1.12] | 160mmø MDPE Pipe Rising Main |
| 0010 | 91.552 | 89.94/13.70 | 1:33 | 1.12 [1.12] | |
| 0020 | 91.094 | 88.57/39.69 | 1:19 | 1.18 [1.09] | |
| 0030 | 90.508 | 88.24/48.77 | 1:2 | 1.12 [1.06] | |
| 0040 | 89.808 | 87.99/70.03 | 1:84 | 1.20 [1.18] | |
| 0050 | 89.399 | 88.77/89.65 | -1:25 | 1.19 [1.09] | |
| 0060 | 89.253 | 89.12/109.97 | -1:57 | 1.11 [1.09] | |
| 0070 | 89.262 | | | | |
| 0080 | 89.762 | | | | |
| 0090 | 90.043 | | | | |
| 0100 | 90.089 | | | | 160mmø MDPE Pipe Gravity Main |
| 0110 | 90.314 | | | | |
| 0120 | 90.837 | | | | |
| 0130 | 91.721 | | | | |
| 0140 | 92.642 | 90.78/146.20 | 1:22 | 2.04 [1.25] | |
| 0150 | 92.913 | | | | |
| 0160 | 92.876 | | | | |
| 0170 | 92.824 | 91.44/177.62 | 1:48 | 1.25 [1.25] | |
| 0180 | 92.726 | | | | |
| 0190 | 92.549 | | | | |
| 0200 | 92.261 | | | | |
| 0210 | 91.844 | 90.38/212.55 | 1:33 | 1.27 [1.27] | |
| 0220 | 91.310 | | | | |
| 0230 | 90.594 | 88.96/232.83 | 1:14 | 1.38 [1.27] | |
| 0240 | 90.080 | | | | |
| 0250 | 89.751 | | | | |
| 0260 | 89.487 | | | | |
| 0270 | 89.160 | | | | |
| 0280 | 88.792 | 87.28/282.55 | 1:29 | 1.33 [1.29] | |
| 0290 | 88.473 | | | | |
| 0300 | 88.230 | | | | |
| 0310 | 87.924 | | | | |
| 0320 | 87.793 | | | | |
| 0330 | 87.572 | 85.00/350.26 | 1:30 | 1.29 [1.26] | |
| 0340 | 86.971 | | | | |
| 0350 | 86.386 | | | | |
| 0360 | 85.736 | | | | |
| 0370 | 84.912 | 82.85/379.96 | -1:14 | 1.41 [1.22] | |
| 0380 | 84.339 | | | | |
| 0390 | 83.962 | | | | |
| 0400 | 83.858 | 82.49/398.86 | -1:52 | 1.29 [1.29] | |
| 0410 | 83.846 | | | | |
| 0420 | 83.833 | | | | |
| 0430 | 83.976 | | | | |
| 0440 | 84.452 | | | | |
| 0450 | 84.516 | | | | |
| 0460 | 84.552 | | | | |
| 0470 | 84.438 | | | | |
| 0480 | 84.212 | | | | |
| 0490 | | | | | |

LONG SECTION
(Scale - 1:1000 H; 1:200 V)

| Rev | Rev. Date | Purpose of revision | Drawn | Checked | Rev'd | Apprv'd |
|-----|------------|----------------------|-------|---------|-------|---------|
| 2 | 7/08/2017 | EIAR SUBMISSION | AR | CD | CD | RR |
| 1 | 30/06/2017 | EIAR SUBMISSION | KMA | CD | CD | RR |
| 0 | 20/09/2016 | DRAFT EIS SUBMISSION | KA | CD | CD | RR |



Client: Kildare County Council
Comhairle Contae Chill Dara

Project: KERDIFFSTOWN LANDFILL REMEDIATION PROJECT

Drawing title: **FIGURE 4.17**
LEACHATE MANAGEMENT FOR THE PROPOSED PROJECT- PIPELINE ROUTE AND LONG SECTION

Drawing status: EIAR SUBMISSION

Scale: 1:2000 @ A1
Client No.: 32EW5604
Client no.: 6286
Drawing number: 32EW5604-00-036
Rev: 2

This drawing is not to be used in whole or part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.