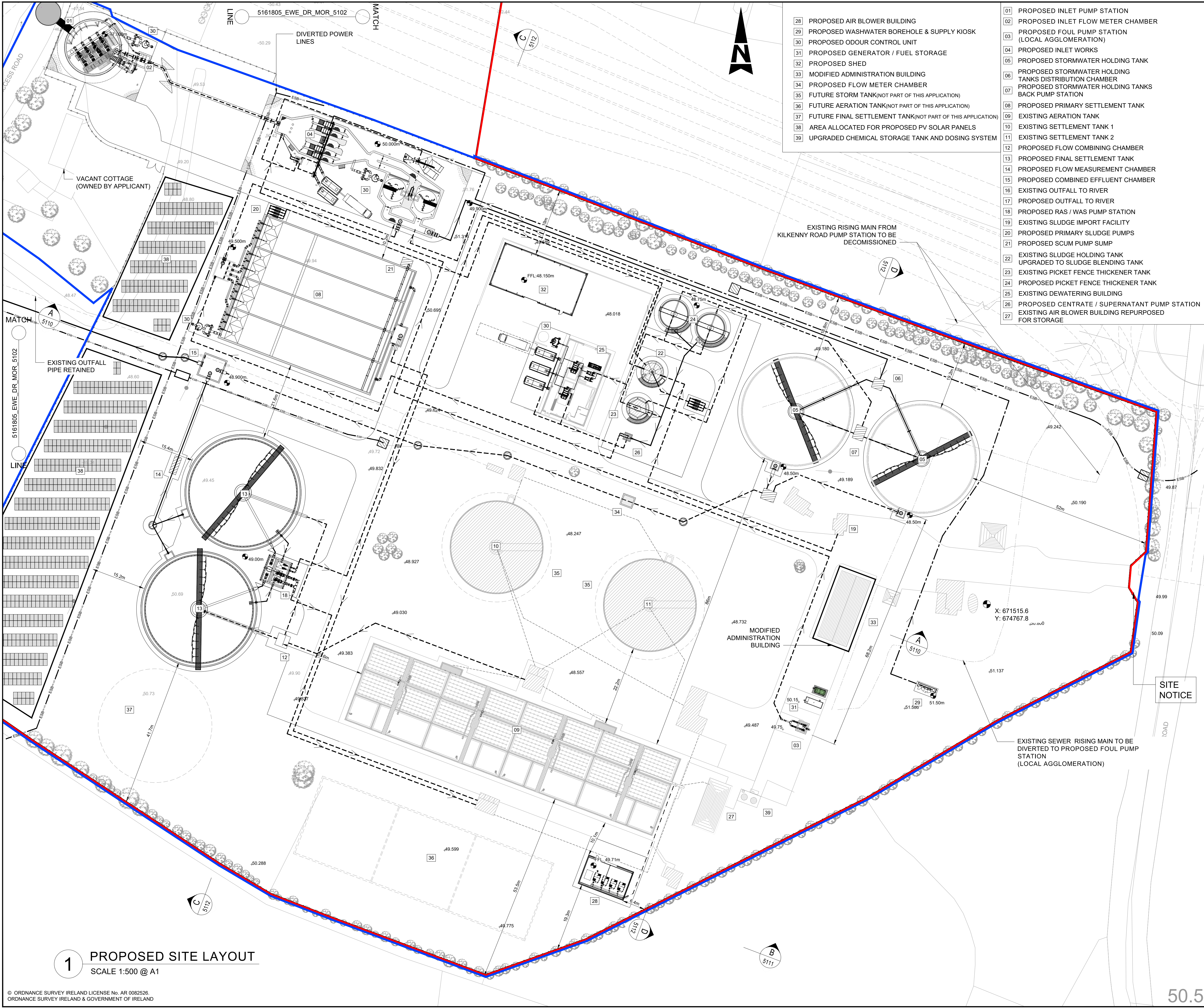


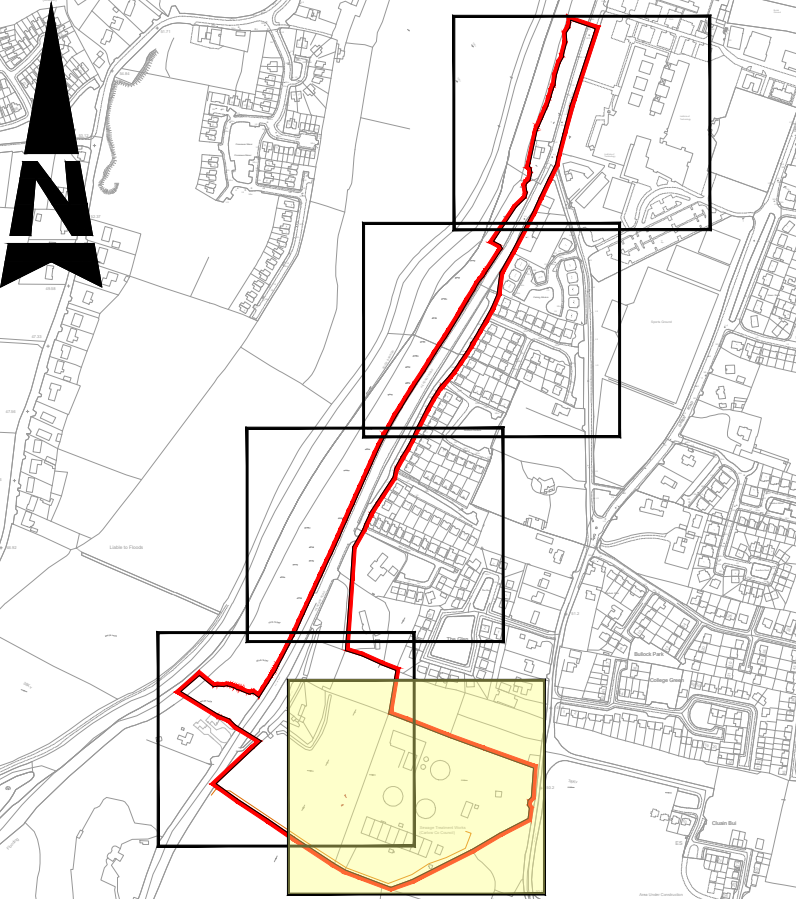


- 28 PROPOSED AIR BLOWER BUILDING
- 29 PROPOSED WASHWATER BOREHOLE & SUPPLY KIOSK
- 30 PROPOSED ODOUR CONTROL UNIT
- 31 PROPOSED GENERATOR / FUEL STORAGE
- 32 PROPOSED SHED
- 33 MODIFIED ADMINISTRATION BUILDING
- 34 PROPOSED FLOW METER CHAMBER
- 35 FUTURE STORM TANK(NOT PART OF THIS APPLICATION)
- 36 FUTURE AERATION TANK(NOT PART OF THIS APPLICATION)
- 37 FUTURE FINAL SETTLEMENT TANK(NOT PART OF THIS APPLICATION)
- 38 AREA ALLOCATED FOR PROPOSED PV SOLAR PANELS
- 39 UPGRADED CHEMICAL STORAGE TANK AND DOSING SYSTEM

- 01 PROPOSED INLET PUMP STATION
- 02 PROPOSED INLET FLOW METER CHAMBER
- 03 PROPOSED FOUL PUMP STATION (LOCAL AGGLOMERATION)
- 04 PROPOSED INLET WORKS
- 05 PROPOSED STORMWATER HOLDING TANK
- 06 PROPOSED STORMWATER HOLDING TANKS DISTRIBUTION CHAMBER
- 07 PROPOSED STORMWATER HOLDING TANKS BACK PUMP STATION
- 08 PROPOSED PRIMARY SETTLEMENT TANK
- 09 EXISTING AERATION TANK
- 10 EXISTING SETTLEMENT TANK 1
- 11 EXISTING SETTLEMENT TANK 2
- 12 PROPOSED FLOW COMBINING CHAMBER
- 13 PROPOSED FINAL SETTLEMENT TANK
- 14 PROPOSED FLOW MEASUREMENT CHAMBER
- 15 PROPOSED COMBINED EFFLUENT CHAMBER
- 16 EXISTING OUTFALL TO RIVER
- 17 PROPOSED OUTFALL TO RIVER
- 18 PROPOSED RAS / WAS PUMP STATION
- 19 EXISTING SLUDGE IMPORT FACILITY
- 20 PROPOSED PRIMARY SLUDGE PUMPS
- 21 PROPOSED SCUM PUMP SUMP
- 22 EXISTING SLUDGE HOLDING TANK UPGRADED TO SLUDGE BLENDING TANK
- 23 EXISTING PICKET FENCE THICKENER TANK
- 24 PROPOSED PICKET FENCE THICKENER TANK
- 25 EXISTING DEWATERING BUILDING
- 26 PROPOSED CENTRATE / SUPERNATANT PUMP STATION
- 27 EXISTING AIR BLOWER BUILDING REPURPOSED FOR STORAGE

- GENERAL NOTES:**
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  - ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
  - ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
  - ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

- LEGEND :**
- SITE BOUNDARY LINE (AREA = 10.766 ha)
  - LANDS IN CONTROL OF APPLICANT
  - EXISTING LEVEL
  - PROPOSED LEVEL
  - GRID REFERENCE LOCATION
  - OS MAP REFERENCE NUMBER
  - EXISTING
  - PROPOSED
  - PROPOSED PROCESS LINE (GRAVITY)
  - PROPOSED PROCESS LINE (PUMPED)
  - PROPOSED POTABLE WATER RISING MAIN
  - MICROTUNNEL LINE
  - AIR LINE
  - PROPOSED ESB DIVERSION



**KEY PLAN**  
SCALE 1:10000 @ A1

| Purpose  |             |     |          |       |
|----------|-------------|-----|----------|-------|
| PLANNING |             |     |          |       |
| 0        | PLANNING    | AMQ | 26.05.26 | KA    |
| Rev      | Description | By  | Date     | Chk'd |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

**Uisce Éireann**  
Irish Water

**MORTARSTOWN WASTEWATER TREATMENT PLANT UPGRADE**

**PROPOSED SITE LAYOUT SHEET 1 OF 5**

|            |                         |              |          |            |
|------------|-------------------------|--------------|----------|------------|
| Original   | Scale                   | Design/Drawn | Checked  | Authorised |
| 1:500 @ A1 | AMQ                     | KA           | FQ       |            |
| Date       | 26.05.26                | Date         | 26.05.26 | Date       |
| Status     | Drawing Number          | Rev          |          |            |
| P          | 5161805_EWE_DR_MOR_5101 | 0            |          |            |



100  
0 10



RIVER BARROW

CARLOW SOUTHERN RELIEF ROAD LAYOUT  
OPTION (SUBJECT TO ROUTE OPTION  
ASSESSMENT AND DETAIL DESIGN BY OTHERS)

SITE  
NOTICE

EXISTING TREES TO BE PROTECTED  
DURING CONSTRUCTION

EXISTING OUTFALL PIPE  
RETAINED

EXISTING GATE TO BE  
REINSTATED TO  
EXISTING CONDITION

DIVERTED  
POWER LINES

#### INFRASTRUCTURE IDENTIFICATION:

- 01 PROPOSED INLET PUMP STATION
- 02 PROPOSED INLET FLOW METER CHAMBER
- 03 PROPOSED FOUL PUMP STATION (LOCAL AGGLOMERATION)
- 04 PROPOSED INLET WORKS
- 05 PROPOSED STORMWATER HOLDING TANK
- 06 PROPOSED STORMWATER HOLDING TANKS DISTRIBUTION CHAMBER
- 07 PROPOSED STORMWATER HOLDING TANKS BACK PUMP STATION
- 08 PROPOSED PRIMARY SETTLEMENT TANK
- 09 EXISTING AERATION TANK
- 10 EXISTING SETTLEMENT TANK 1
- 11 EXISTING SETTLEMENT TANK 2
- 12 PROPOSED FLOW COMBINING CHAMBER
- 13 PROPOSED FINAL SETTLEMENT TANK
- 14 PROPOSED FLOW MEASUREMENT CHAMBER
- 15 PROPOSED COMBINED EFFLUENT CHAMBER
- 16 EXISTING OUTFALL TO RIVER
- 17 PROPOSED OUTFALL TO RIVER
- 18 PROPOSED RAS / WAS PUMP STATION
- 19 EXISTING SLUDGE IMPORT FACILITY
- 20 PROPOSED PRIMARY SLUDGE PUMPS
- 21 PROPOSED SCUM PUMP SUMP
- 22 EXISTING SLUDGE HOLDING TANK UPGRADED TO SLUDGE BLENDING TANK
- 23 EXISTING PICKET FENCE THICKENER TANK
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- 28 PROPOSED AIR BLOWER BUILDING
- 29 PROPOSED WASHWATER BOREHOLE & SUPPLY KIOSK
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- 32 PROPOSED SHED
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- 35 FUTURE STORM TANK(NOT PART OF THIS APPLICATION)
- 36 FUTURE AERATION TANK(NOT PART OF THIS APPLICATION)
- 37 FUTURE FINAL SETTLEMENT TANK(NOT PART OF THIS APPLICATION)
- 38 AREA ALLOCATED FOR PROPOSED PV SOLAR PANELS
- 39 UPGRADED CHEMICAL STORAGE TANK AND DOSING SYSTEM

1

## PROPOSED SITE LAYOUT

SCALE 1:500 @ A1

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#### GENERAL NOTES:

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3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

#### LEGEND :

- SITE BOUNDARY LINE (AREA = 10.766 ha)
- LANDS IN CONTROL OF APPLICANT
- EXISTING LEVEL
- PROPOSED LEVEL
- X GRID REFERENCE LOCATION
- Y OS MAP REFERENCE NUMBER
- EXISTING
- PROPOSED
- PROPOSED PROCESS LINE (GRAVITY)
- PROPOSED PROCESS LINE (PUMPED)
- PROPOSED POTABLE WATER RISING MAIN
- MICROTUNNEL LINE
- AIR LINE
- PROPOSED ESB DIVERSION



#### KEY PLAN

SCALE 1:10000 @ A1

Purpose PLANNING

| Rev | Description | By | Date         | Chk'd | Auth |
|-----|-------------|----|--------------|-------|------|
| 0   | PLANNING    |    | AMQ 26.05.26 | KA    | FQ   |



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Client



Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title

PROPOSED SITE LAYOUT  
SHEET 2 OF 5

| Original      | Scale         | Design/Drawn  | Checked       | Authorised |
|---------------|---------------|---------------|---------------|------------|
| 1:500 @ A1    | AMQ           | KA            | FQ            |            |
| Date 26.05.26 | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |            |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5102 | 0   |





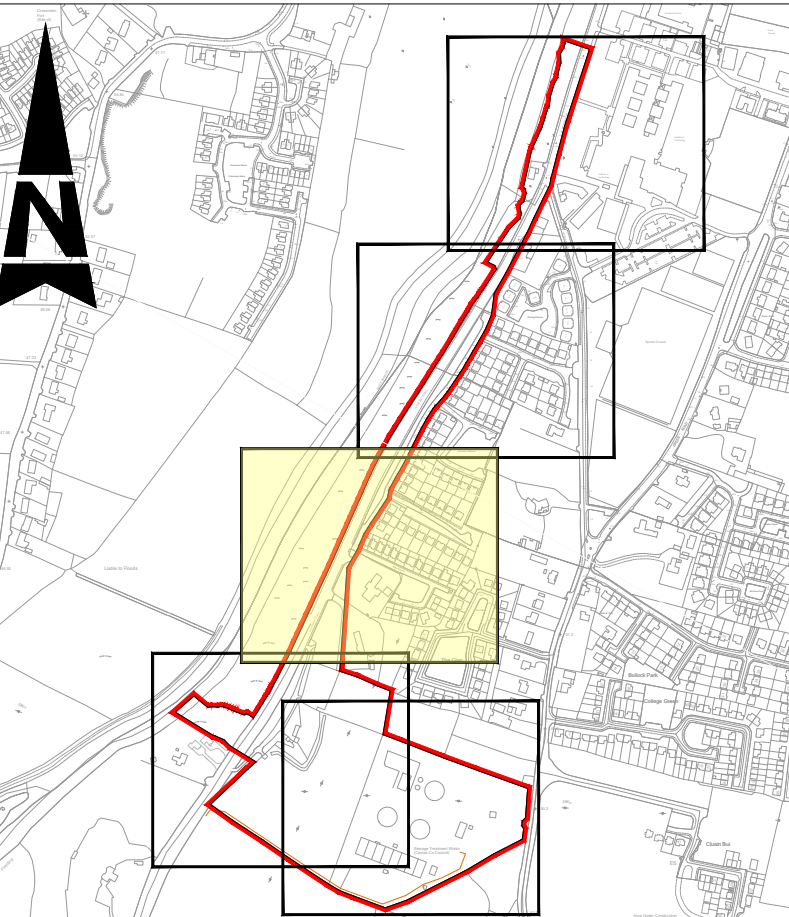
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LEGEND :

- SITE BOUNDARY LINE (AREA = 10.766 ha)
- LANDS IN CONTROL OF APPLICANT
- XXX.XXXm EXISTING LEVEL
- XXX.XXXm PROPOSED LEVEL
- X GRID REFERENCE LOCATION
- Y OS MAP REFERENCE NUMBER
- EXISTING
- PROPOSED
- PROPOSED PROCESS LINE (GRAVITY)
- PROPOSED PROCESS LINE (PUMPED)
- PROPOSED POTABLE WATER RISING MAIN
- MICROTUNNEL LINE
- AIR LINE
- PROPOSED ESB DIVERSION



KEY PLAN  
SCALE 1:10000 @ A1

Purpose **PLANNING**

|  |  |  |  |  |  |
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|     |             |     |          |       |      |
|-----|-------------|-----|----------|-------|------|
| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |
| Rev | Description | By  | Date     | Chk'd | Auth |



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Client



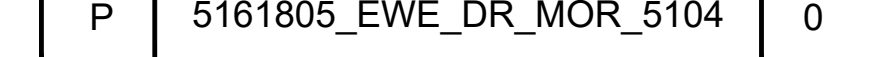
Project  
**MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE**

Title  
**PROPOSED SITE LAYOUT  
SHEET 3 OF 5**

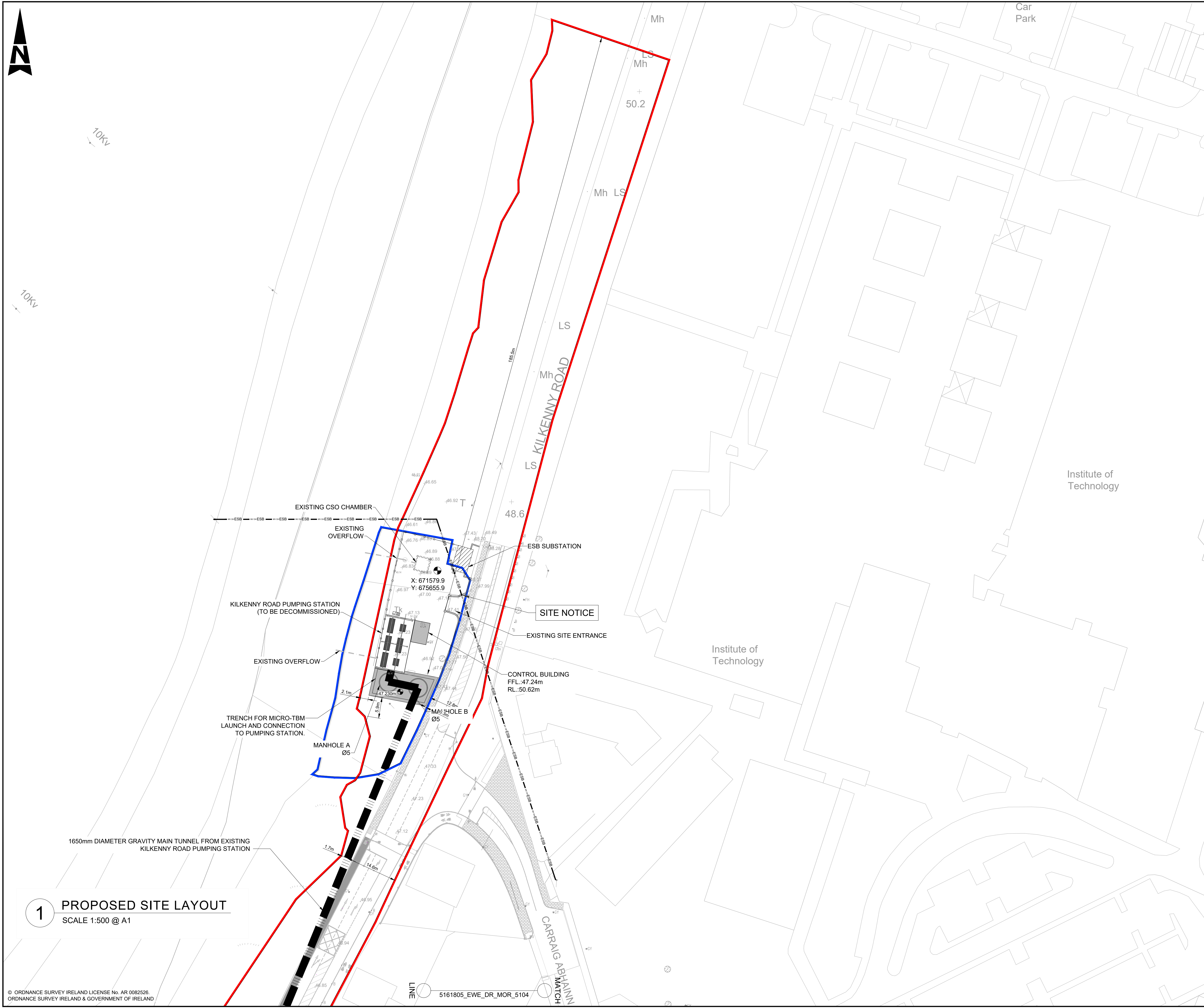
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| Original Scale | Design/Drawn  | Checked       | Authorised    |
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|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

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|--------|-------------------------|-----|
| Status | Drawing Number          | Rev |
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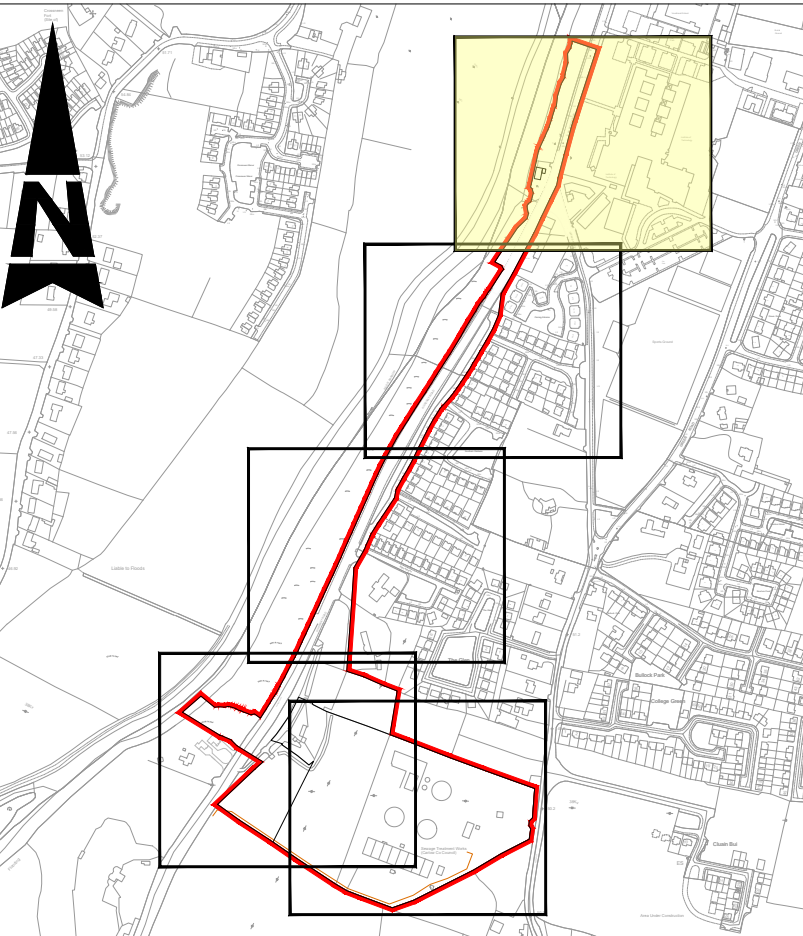






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- LEGEND :**
- SITE BOUNDARY LINE (AREA = 10.766 ha)
  - LANDS IN CONTROL OF APPLICANT
  - XXX.XXX Existing Level
  - XXX.XXX Proposed Level
  - X Grid Reference Location
  - Y OS Map Reference Number
  - Existing
  - Proposed
  - Proposed Process Line (Gravity)
  - Proposed Process Line (Pumped)
  - Proposed Potable Water Rising Main
  - Microtunnel Line
  - Air Line
  - Proposed ESB Diversion



**KEY PLAN**  
SCALE 1:10000 @ A1

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |

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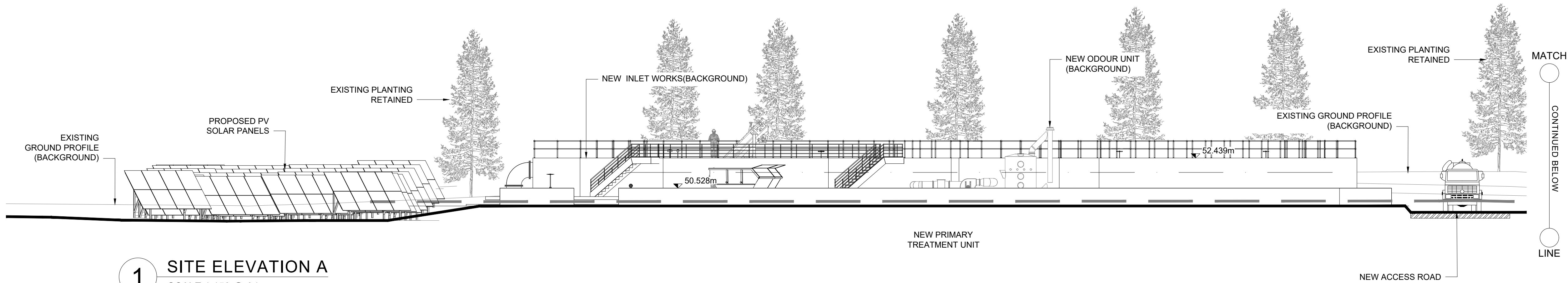


**MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE**

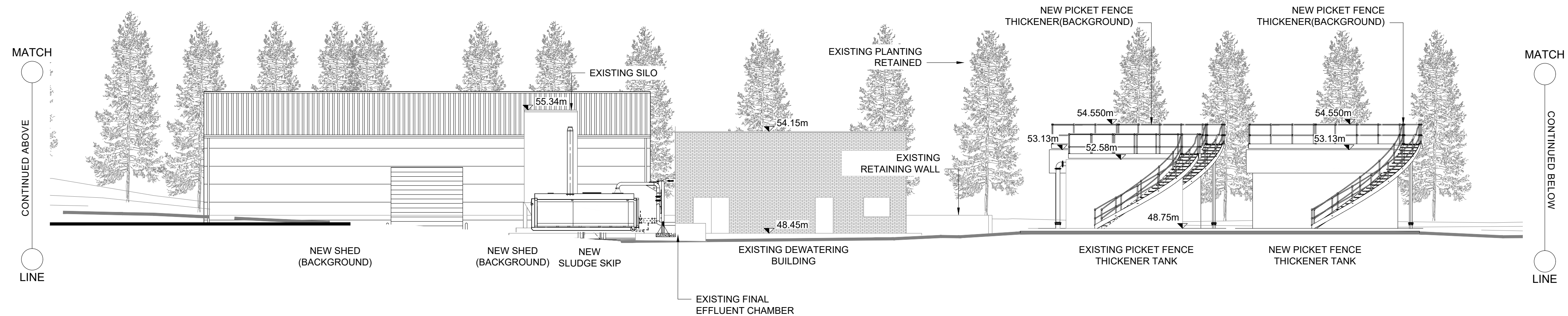
**PROPOSED SITE LAYOUT  
SHEET 5 OF 5**

| Original Scale |                         | Design/Drawn  |  | Checked       |  | Authorised    |  |
|----------------|-------------------------|---------------|--|---------------|--|---------------|--|
| 1:500 @ A1     |                         | AMQ           |  | KA            |  | FQ            |  |
| Date 26.05.26  |                         | Date 26.05.26 |  | Date 26.05.26 |  | Date 26.05.26 |  |
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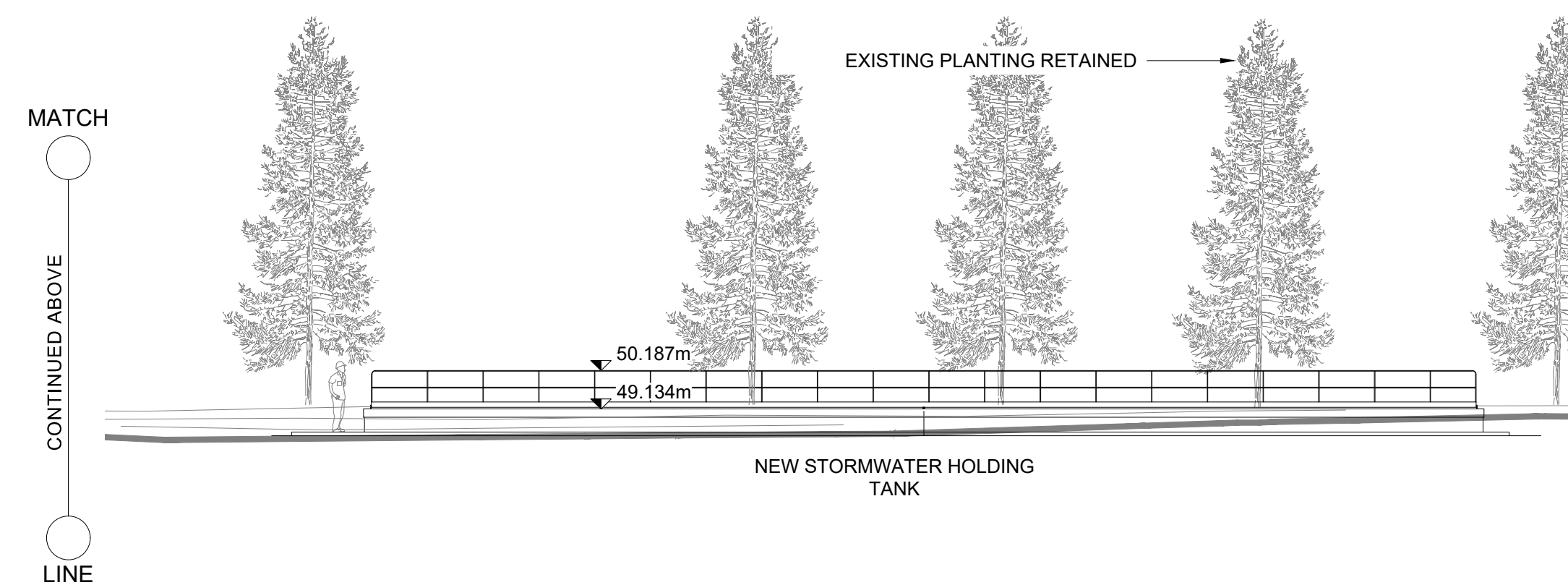




1 SITE ELEVATION A  
SCALE 1:150 @ A1



2 SITE ELEVATION A (CONTINUED)  
SCALE 1:150 @ A1



3 SITE ELEVATION A (CONTINUED)  
SCALE 1:150 @ A1

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

— EXISTING  
— PROPOSED

NOTE:  
FOR PLAN REFERENCE SEE DRAWING:  
5161805\_EWE\_DR\_MOR\_5101

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |
|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

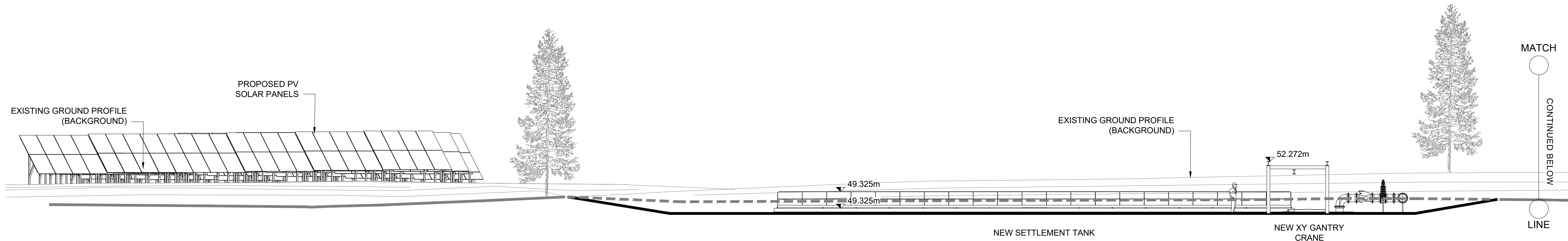
Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED WWTP SITE ELEVATIONS  
SHEET 1 OF 3

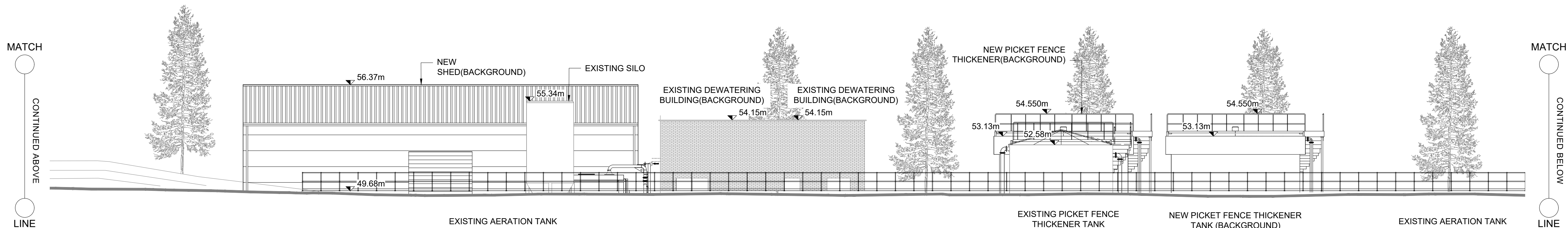
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|----------------|---------------|---------------|---------------|
| 1:150 @ A1     | AMQ           | KA            | FQ            |
| Date 26.05.26  | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5110 | 0   |

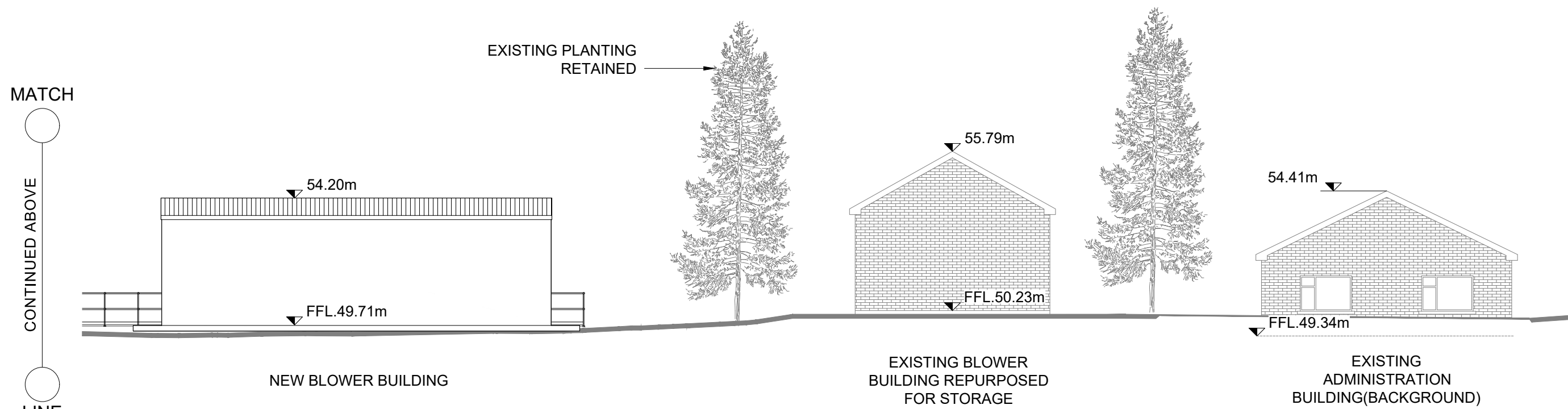




4 SITE ELEVATION B  
SCALE 1:150 @ A1



5 SITE ELEVATION B (CONTINUED)  
SCALE 1:150 @ A1



6 SITE ELEVATION B (CONTINUED)  
SCALE 1:150 @ A1

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LEGEND :

EXISTING  
PROPOSED

NOTE:  
FOR PLAN REFERENCE SEE DRAWING:  
5161805\_EWE\_DR\_MOR\_5101

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
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| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |

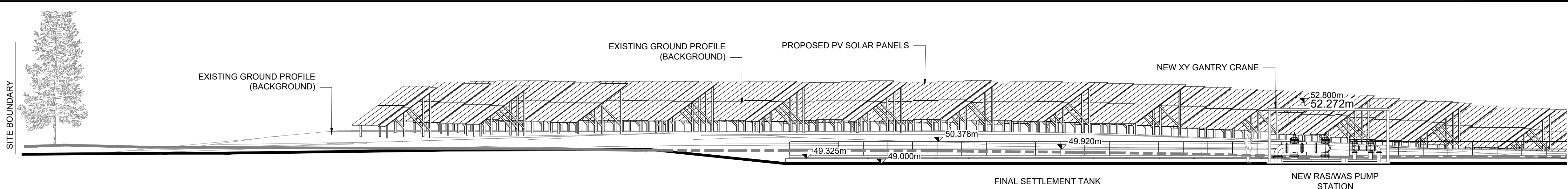
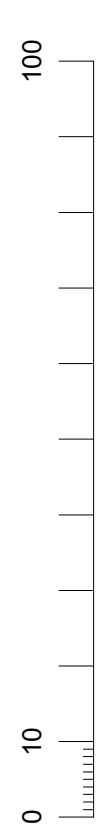
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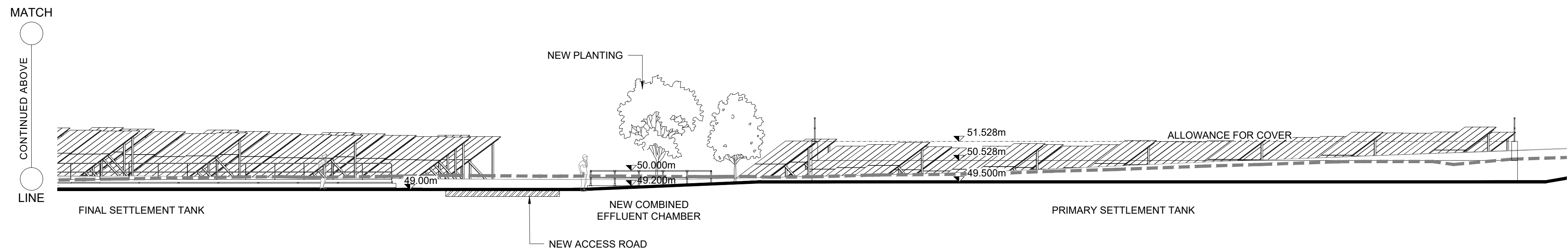
Client

| Project                                        |  |                         |  |         |
|------------------------------------------------|--|-------------------------|--|---------|
| MORTARSTOWN WASTEWATER TREATMENT PLANT UPGRADE |  |                         |  |         |
| Title                                          |  |                         |  |         |
| PROPOSED WWTP SITE ELEVATIONS SHEET 2 OF 3     |  |                         |  |         |
| Original Scale                                 |  | Design/Drawn            |  | Checked |
| 1:150 @ A1                                     |  | AMQ                     |  | KA      |
| Status                                         |  | Drawing Number          |  | Rev     |
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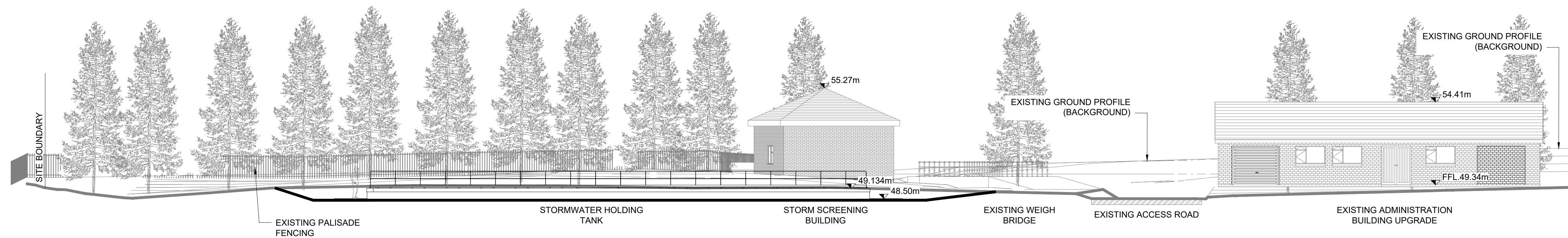




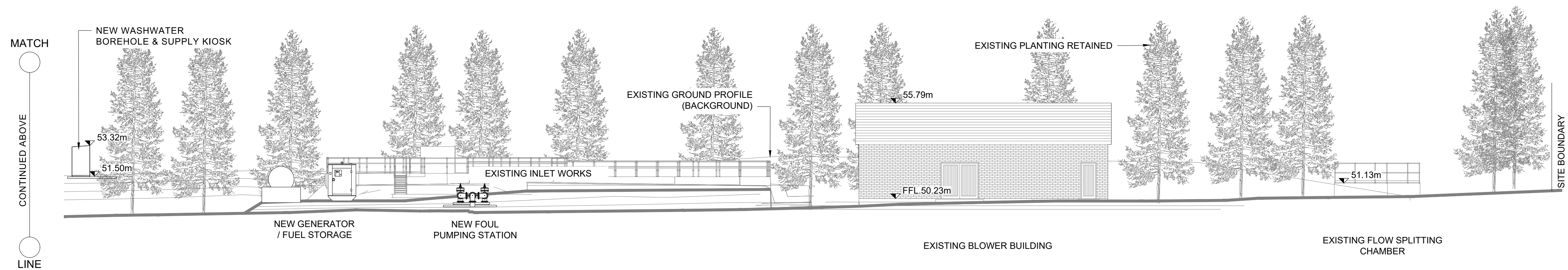
7 SITE ELEVATION C  
SCALE 1:150 @ A1



8 SITE ELEVATION C (CONTINUED)  
SCALE 1:150 @ A1



9 SITE ELEVATION D  
SCALE 1:150 @ A1



10 SITE ELEVATION D (CONTINUED)  
SCALE 1:150 @ A1

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

— EXISTING  
— PROPOSED

NOTE:  
FOR PLAN REFERENCE SEE DRAWING:  
5161805\_EWE\_DR\_MOR\_5101

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

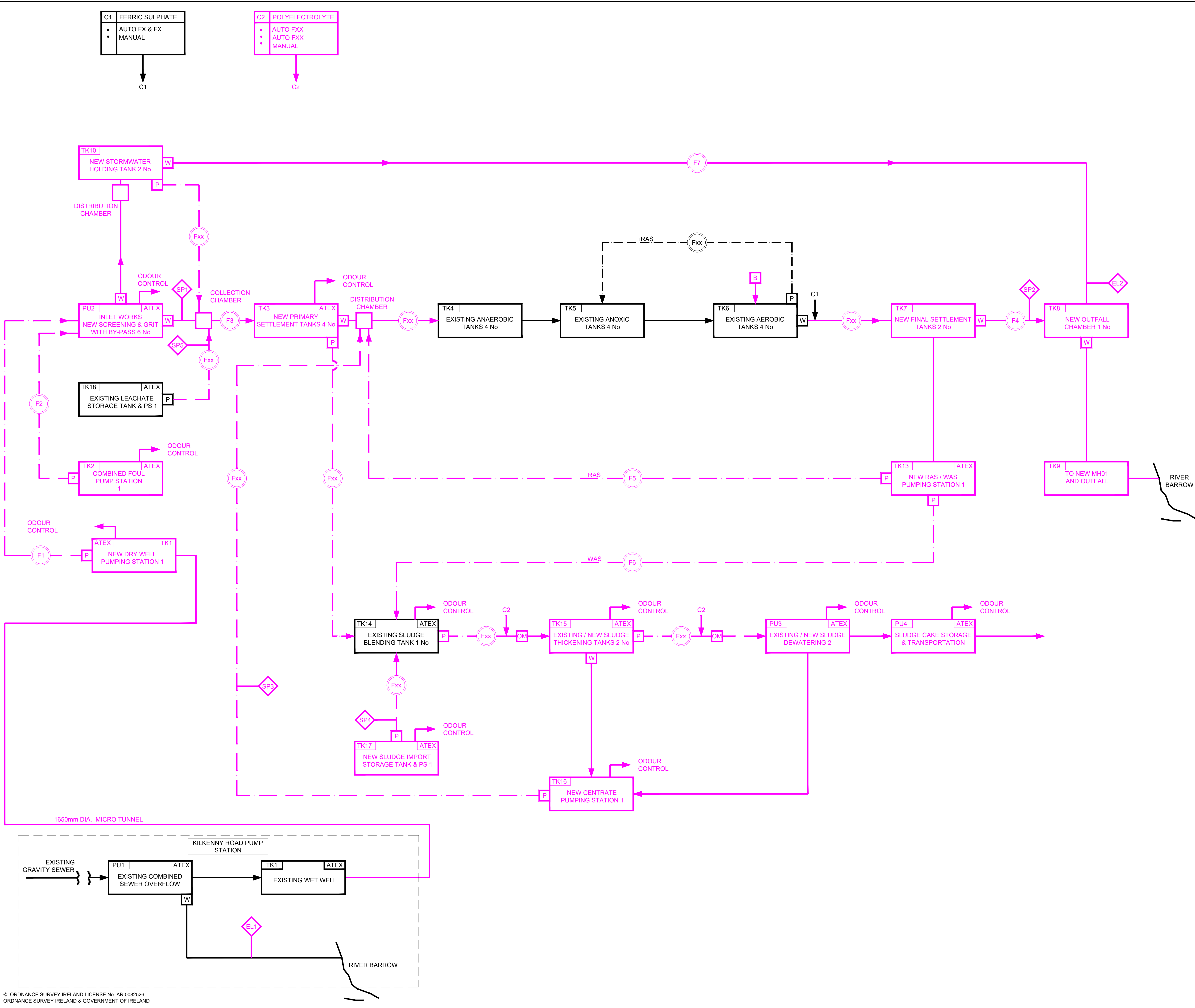
Project  
**MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE**

Title  
**PROPOSED WWTP SITE ELEVATIONS  
SHEET 3 OF 3**

| Original Scale |  | Design/Drawn            | Checked | Authorised |
|----------------|--|-------------------------|---------|------------|
| 1:150 @ A1     |  | AMQ                     | KA      | FQ         |
| Status         |  | Drawing Number          |         | Rev        |
| P              |  | 5161805_EWE_DR_MOR_5112 |         | 0          |



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**LEGEND :**

- EXISTING ASSETS
- PROPOSED ASSETS TO BE CONSTRUCTED
- FLOW
- FLOW METERED
- PUMPING
- WEIR
- BLOWER
- ORIFICE MIXING
- SAMPLE POINT
- EVENT LOGGING

|         |             |    |              |       |      |
|---------|-------------|----|--------------|-------|------|
| Purpose | PLANNING    |    |              |       |      |
| Rev     | Description | By | Date         | Chk'd | Auth |
| 0       | PLANNING    |    | AMQ/26.05.26 | KA    | FQ   |

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Client

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Project

PROPOSED PROCESS FLOW DIAGRAM

Title

|                |              |         |            |
|----------------|--------------|---------|------------|
| Original Scale | Design/Drawn | Checked | Authorised |
| NTS            | AMQ          | KA      | FQ         |
| Date           | 26.05.26     | Date    | 26.05.26   |

|        |                         |     |
|--------|-------------------------|-----|
| Status | Drawing Number          | Rev |
| P      | 5161805_EWE_DR_MOR_5113 | 0   |















## SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

## CONSTRUCTION

- H21 - Unknown condition of pump house wall and its structural capacity next to excavation. Includes unknown temporary construction (e.g. sheet piles) that may be left in-situ.
- H22 - live sewage pumping station
- 5. Live highway
- 6. Existing services close to shafts present a hazard if intercepted.
- 7. Water ingress into excavations due to permeability / high water table.
- 8. Multiple other construction activities are planned adjacent to the WWTP shaft.
- 9. Potential ground contamination from sewage.
- 10. Risk from working inside or adjacent to temporary trench excavation.

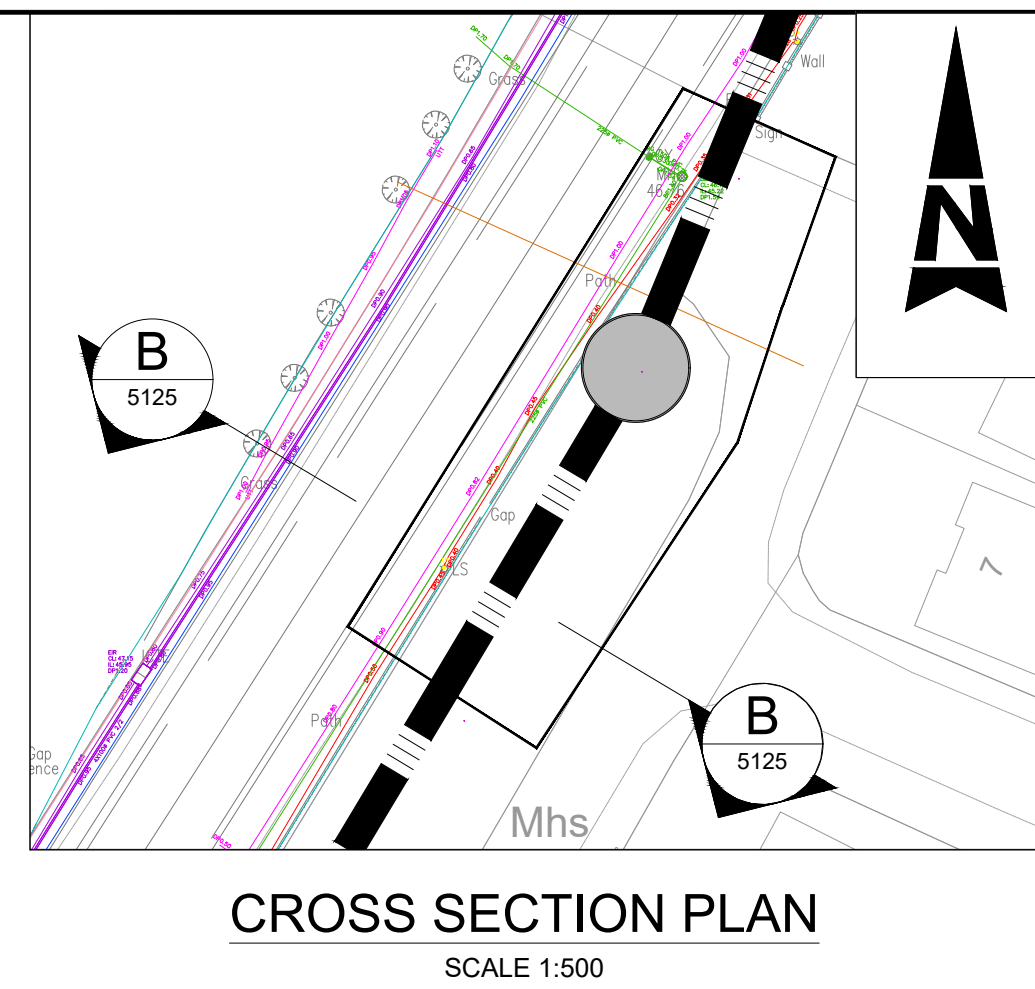
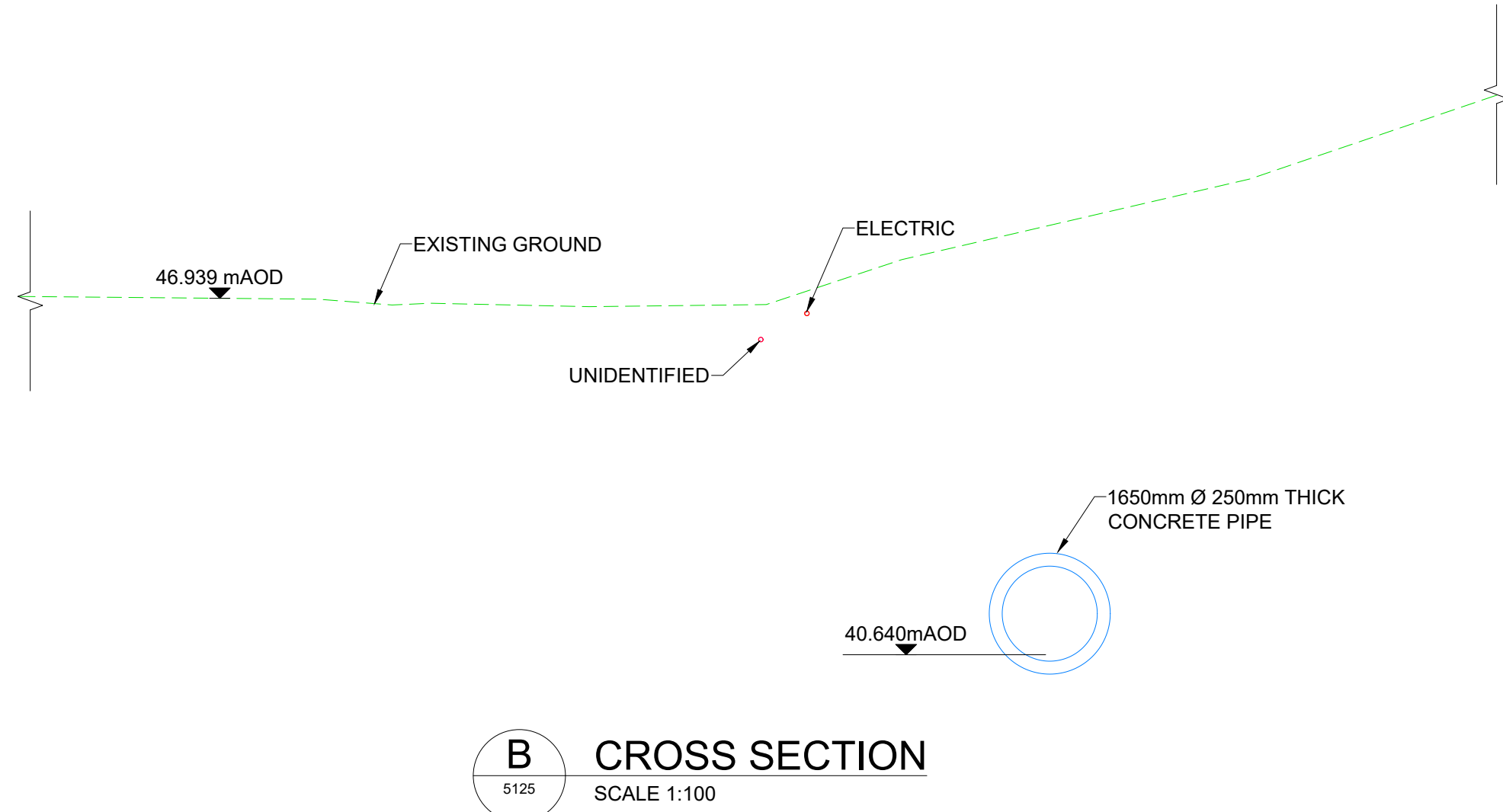
## MAINTENANCE/CLEANING

9. Confined space - dangerous gases (hydrocarbons, H<sub>2</sub>S, low O<sub>2</sub>).
10. Confined space - inundation, isolations required.
11. Use of the structure is for wastewater conveyance, hence maintenance should consider health hazard.

## DECOMMISSIONING/DEMOLITION

2. Confined space - dangerous gases (hydrocarbons, H<sub>2</sub>S, low O<sub>2</sub>).
3. Potential ground contamination from sewage.
4. Structures must be made safe if abandoned in situ with infill or monitoring.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement



GENERAL NOTES:

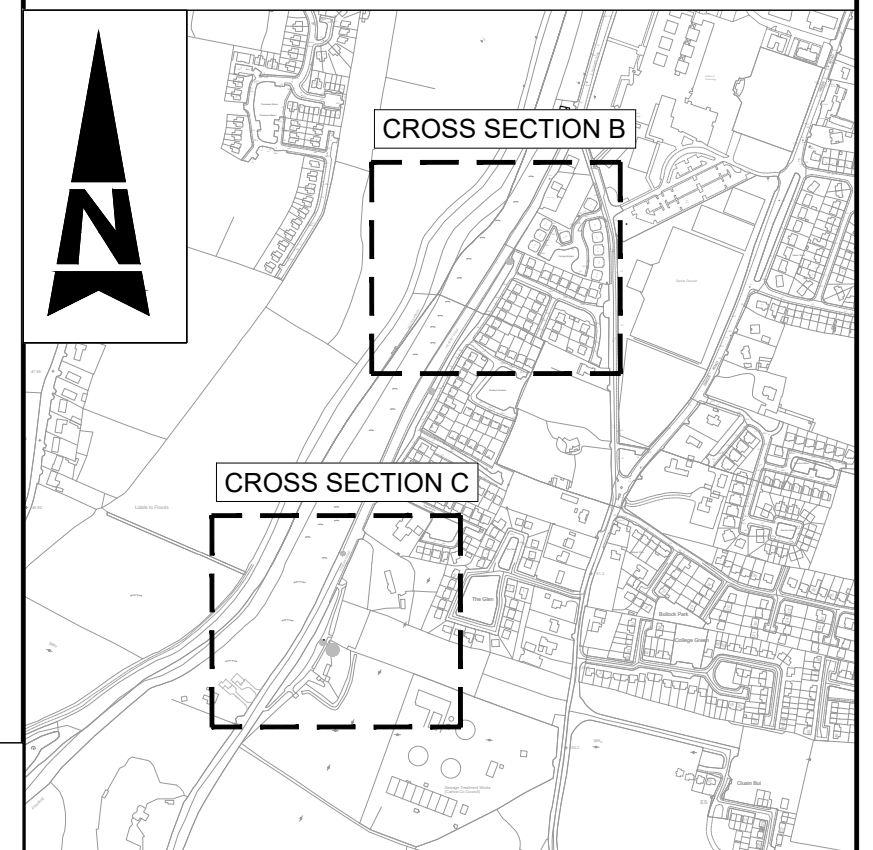
1. ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

- 
- EXISTING GROUND LEVEL
- 1650mm Ø CONCRETE PIPE
- 75mm Ø UNIDENTIFIED
- 75mm Ø ELECTRIC
- ELECTRIC
- WATER MAIN
- STORM DRAINAGE
- GAS LINE
- Legend:
- ESB-Q1-B4
  - WW-Q1-B4
  - SW-Q1-B4
  - GAS-Q1-B4

THIS DRAWING INCLUDES THE LOCATION OF UTILITIES  
NEAREST TO THE TUNNEL. IT SHOULD BE VIEWED IN  
CONJUNCTION WITH THE UTILITY PLAN:

5161805\_EWE\_DR\_MOR\_5520  
5161805\_EWE\_DR\_MOR\_5521  
5161805\_EWE\_DR\_MOR\_5522  
5161805\_EWE\_DR\_MOR\_5523  
5161805\_EWE\_DR\_MOR\_5524



## KEY PLAN

SCALE 1:10000

| Purpose |             | PLANNING |          |       |      |
|---------|-------------|----------|----------|-------|------|
|         |             |          |          |       |      |
|         |             |          |          |       |      |
|         |             |          |          |       |      |
|         |             |          |          |       |      |
|         |             |          |          |       |      |
|         |             |          |          |       |      |
|         |             |          |          |       |      |
| 0       | PLANNING    | AMQ      | 26.05.26 | KA    | FQ   |
| Rev     | Description | By       | Date     | Chk'd | Auth |



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SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : [info.ie@atkinsrealis.com](mailto:info.ie@atkinsrealis.com)

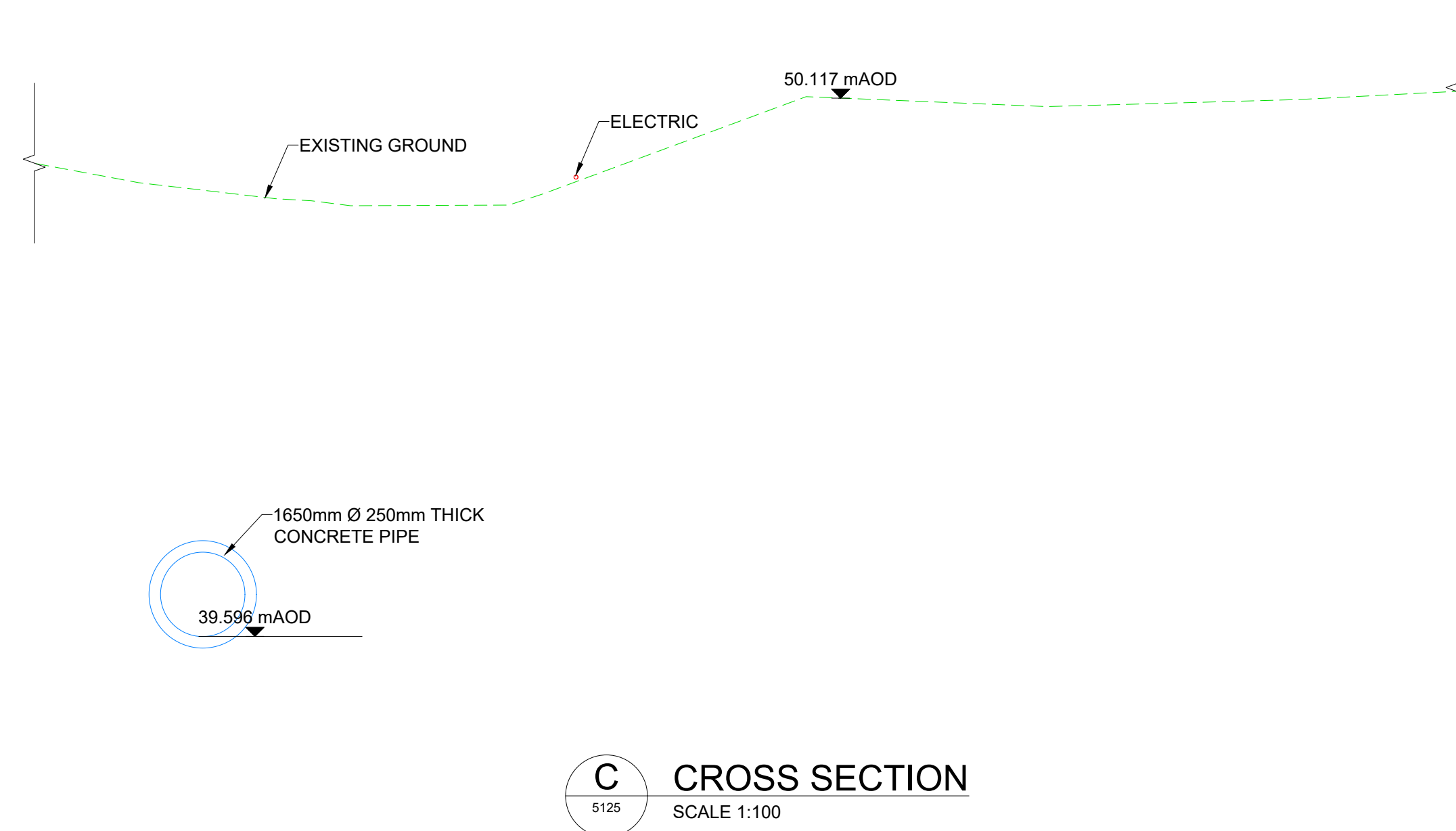
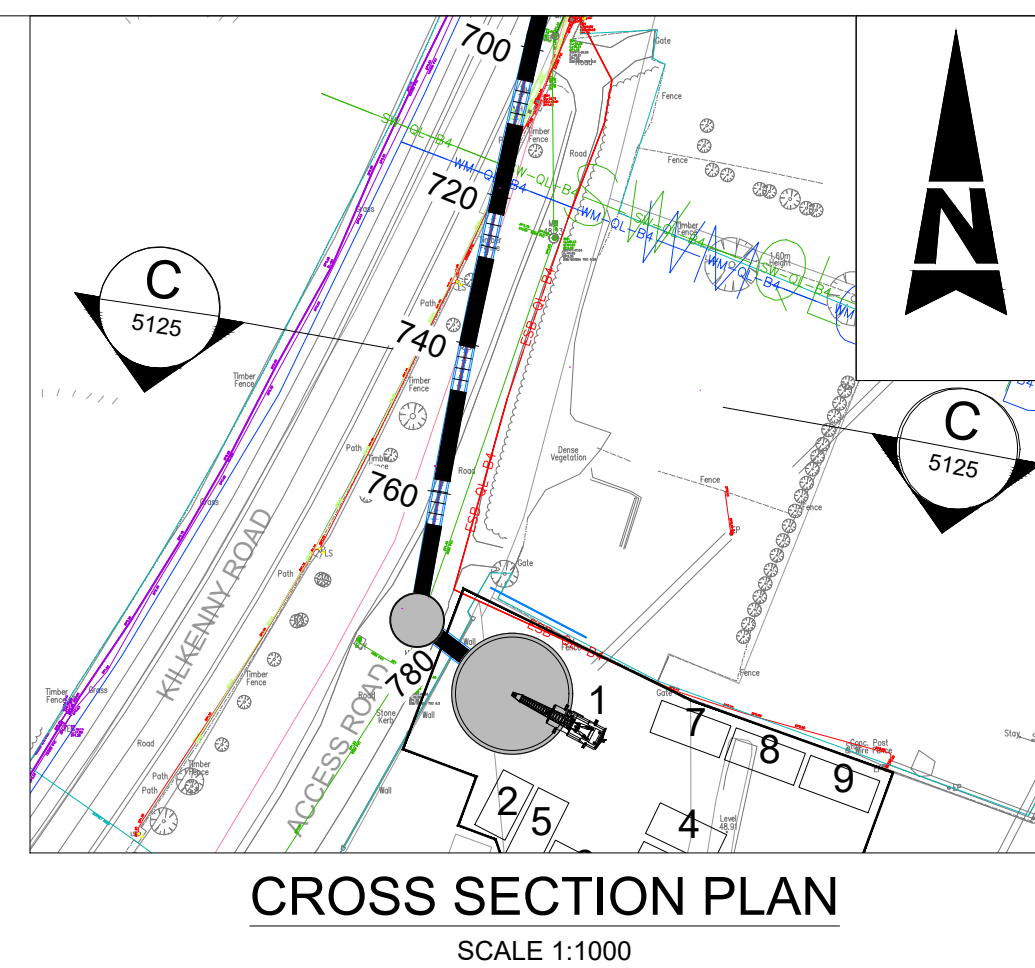
|        |
|--------|
| Client |
|--------|



|         |                                                   |
|---------|---------------------------------------------------|
| Project | MORTARSTOWN WASTEWATER<br>TREATMENT PLANT UPGRADE |
|---------|---------------------------------------------------|

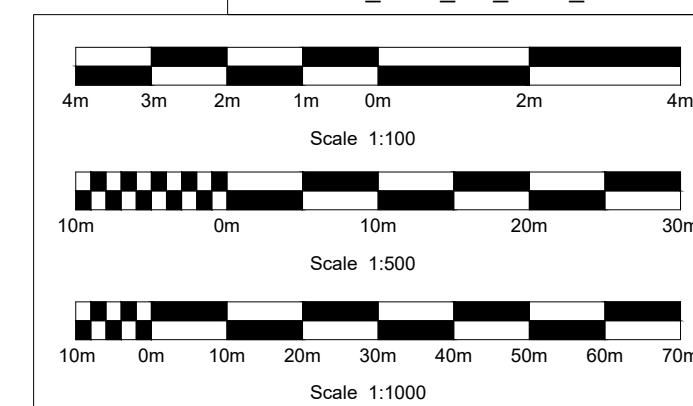
|                                                     |
|-----------------------------------------------------|
| Title                                               |
| PROPOSED MICROTUNNEL GRAVITY SEWER<br>CROSS SECTION |

|                |                         |               |               |               |
|----------------|-------------------------|---------------|---------------|---------------|
| Original Scale |                         | Design/Drawn  | Checked       | Authorised    |
| AS SHOWN       |                         | AMQ           | KA            | FQ            |
|                |                         | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |
| Status         | Drawing Number          |               |               | Rev           |
| P              | 5161805_EWE_DR_MOR_5125 |               |               | 0             |

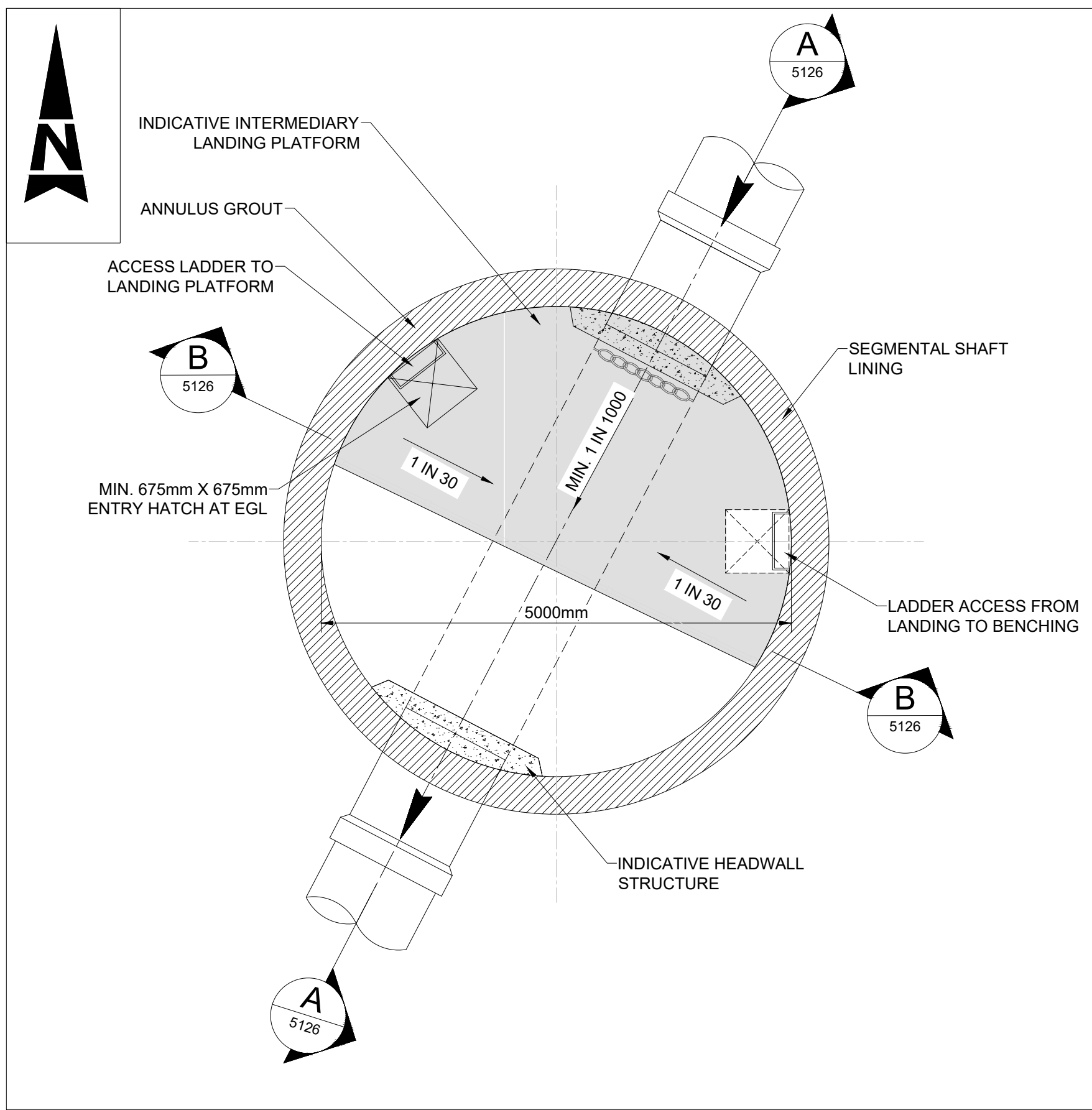
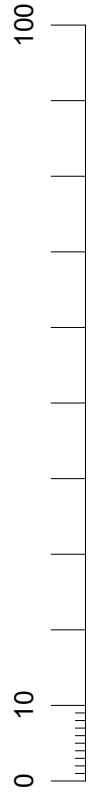


## REFERENCE DRAWINGS

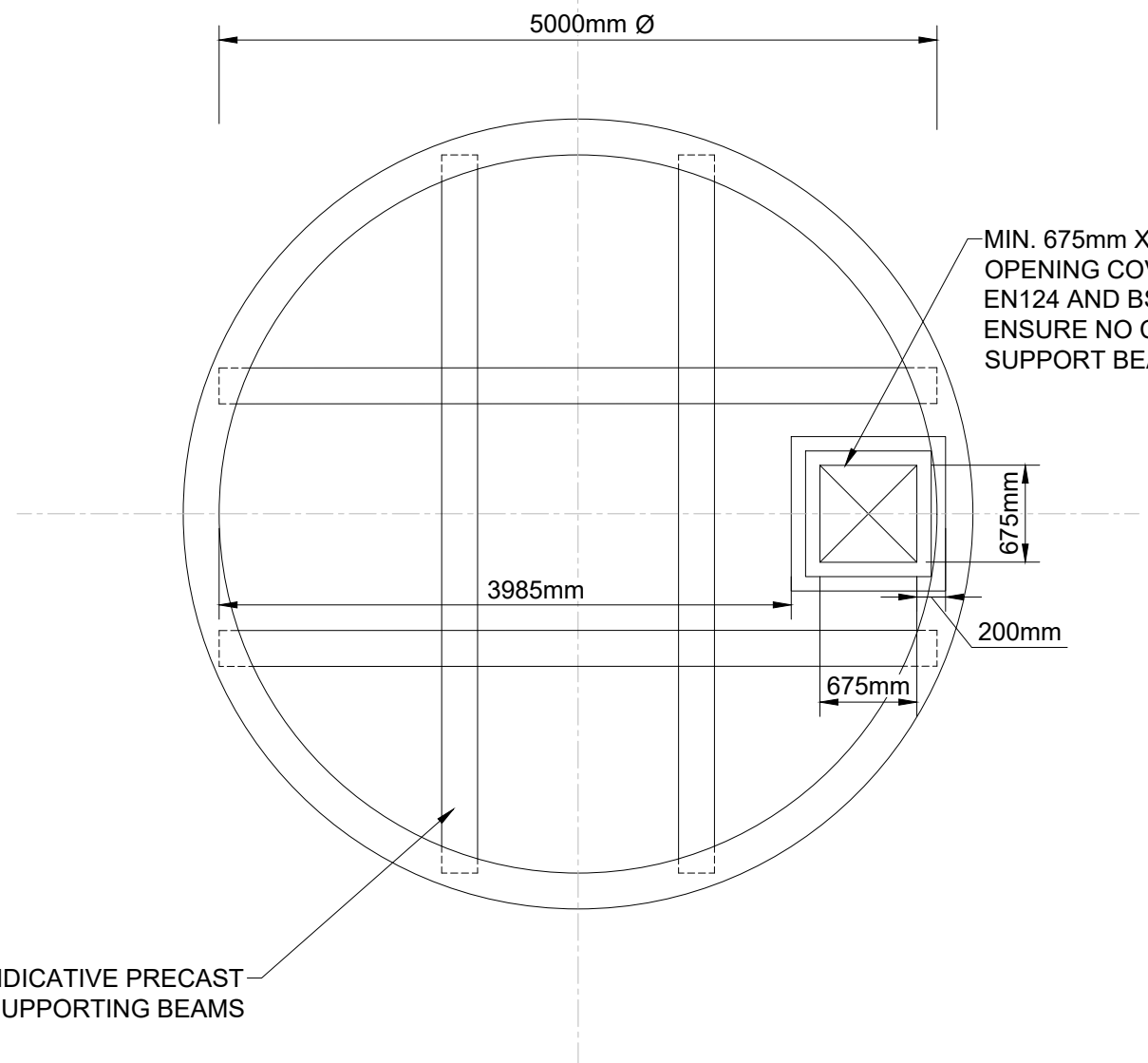
|                         |
|-------------------------|
| 5161805_EWE_DR_MOR_5120 |
| 5161805_EWE_DR_MOR_5121 |
| 5161805_EWE_DR_MOR_5122 |







PLAN VIEW (MID-ELEVATION)  
SCALE 1:50



COVER SLAB DETAILS  
SCALE 1:50

| INSPECTION CHAMBER SCHEDULE |                                           |                            |                  |               |                |                   |                              |                 |                               |                   |            |            |        |
|-----------------------------|-------------------------------------------|----------------------------|------------------|---------------|----------------|-------------------|------------------------------|-----------------|-------------------------------|-------------------|------------|------------|--------|
| MANHOLE NAME                | EGL (m AOD) AT INSPECTION CHAMBER OPENING | CAPPING SLAB LEVEL (m AOD) | INVERT DEPTH (m) | SHAFT DIA (m) | MANHOLE ACCESS | COVER LOAD RATING | PIPE IN INVERT LEVEL (m AOD) | PIPE IN DIA (m) | PIPE OUT INVERT LEVEL (m AOD) | PIPE OUT DIA (mm) | NORTHING   | EASTING    | LAYOUT |
| MANHOLE C                   | 47.684                                    | 47.284                     | 7.012            | 7             | 675 x 675      | D400              | 40.677                       | 1.650           | 40.667                        | 1650              | 675437.972 | 671498.000 |        |
| MANHOLE D                   | 51.117                                    | 50.717                     | 10.854           | 7             | 675 x 675      | D400              | 40.268                       | 1.650           | 40.258                        | 1650              | 675266.478 | 671395.140 |        |
| MANHOLE E                   | 49.978                                    | 49.578                     | 10.214           | 5             | 675 x 675      | D400              | 39.769                       | 1.650           | 39.759                        | 1650              | 675051.729 | 671277.745 |        |
| MANHOLE F                   | 46.983                                    | 46.583                     | 7.465            | 7             | 675 x 675      | D400              | 39.523                       | 1.650           | 39.513                        | 1650              | 674934.031 | 671251.702 |        |

#### SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

#### CONSTRUCTION

- HZ1 - Unknown condition of pump house wall and its structural capacity next to excavation. Includes unknown temporary construction (e.g. sheet piles) that may be left in-situ.
- HZ2 - live sewage pumping station
- Live highway.
- Existing services close to shafts present a hazard if intercepted.
- Water ingress into excavations due to permeability / high water table.
- Multiple other construction activities are planned adjacent to the WWTP shaft.
- Potential ground contamination from sewage.
- Risk from working inside or adjacent to temporary trench excavation.
- Live overhead lines present risk to sheet piling at reception trench.

#### MAINTENANCE/CLEANING

- Confined space - dangerous gases (hydrocarbons, H<sub>2</sub>S, low O<sub>2</sub>, CO, CO<sub>2</sub>).
- Confined space - inundation, isolations required.
- Use of the structure is for wastewater conveyance, hence maintenance should consider health hazard.

#### DECOMMISSIONING/DEMOLITION

- Confined space - dangerous gases (hydrocarbons, H<sub>2</sub>S, low O<sub>2</sub>, CO, CO<sub>2</sub>).
- Potential ground contamination from sewage.
- Structures must be made safe if abandoned in situ with infill or monitoring.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

#### GENERAL NOTES:

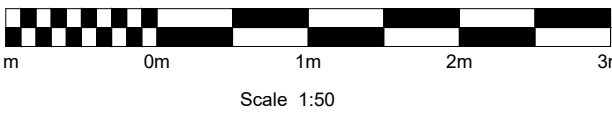
- ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
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- ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

#### LEGEND :

- SHAFT/TUNNEL LINING
- JACKING COLLAR
- CONCRETE
- MASS CONCRETE
- REINFORCED CONCRETE
- EGL EXISTING GROUND LEVEL
- IL INVERT LEVEL

#### REFERENCE DRAWINGS:

5161805\_EWE\_DR\_MOR\_5120  
5161805\_EWE\_DR\_MOR\_5121  
5161805\_EWE\_DR\_MOR\_5122



#### PLANNING

| Purpose | Rev      | Description | By       | Date | Chk'd | Auth |
|---------|----------|-------------|----------|------|-------|------|
| 0       | PLANNING | AMQ         | 26.05.26 | KA   | FQ    |      |



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SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client



Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title

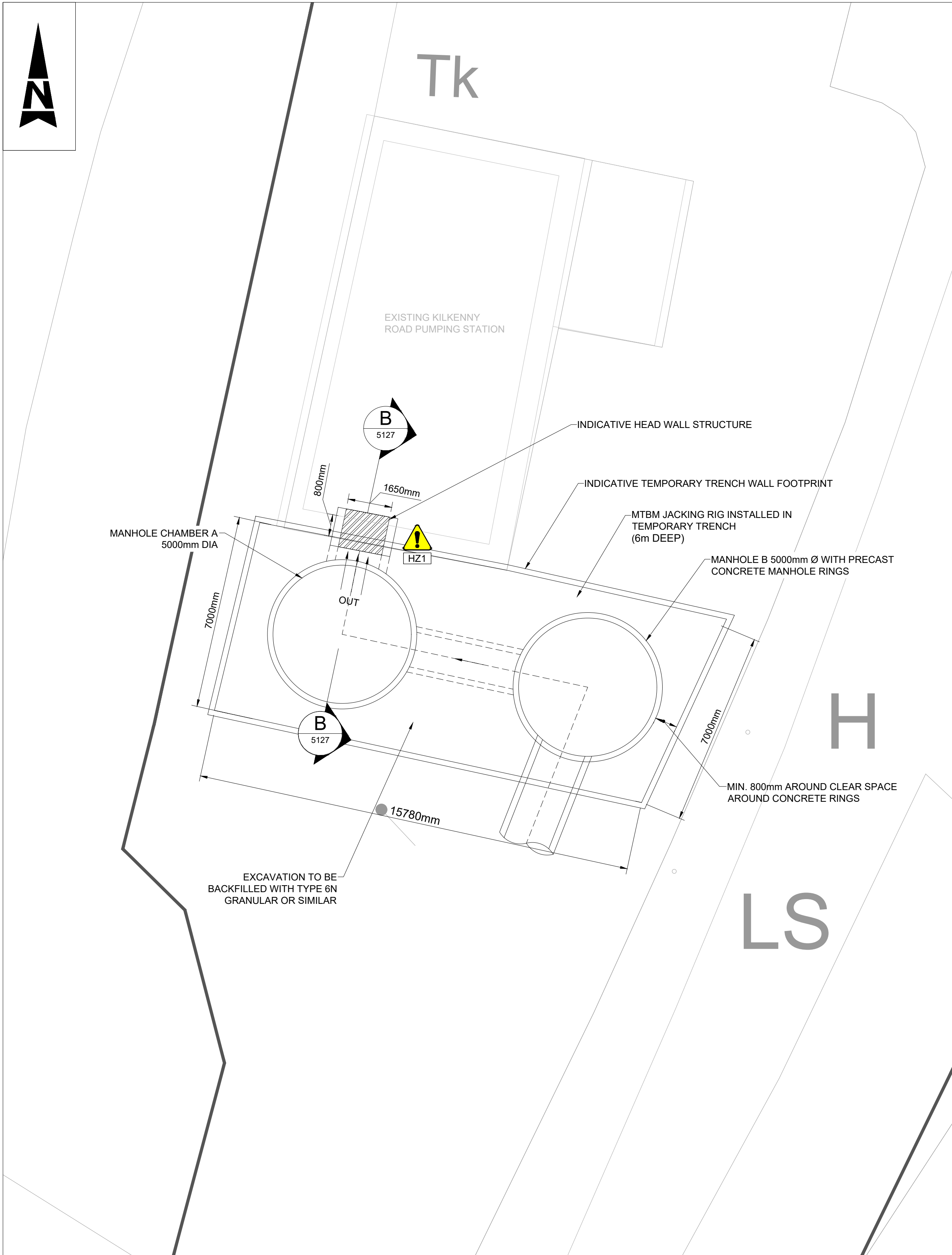
PROPOSED MICROTUNNEL GRAVITY SEWER  
TYPICAL DETAILS

| Original Scale | Design/Drawn | Checked | Authorised |
|----------------|--------------|---------|------------|
| 1:500 @ A1     | AMQ          | KA      | FQ         |
| Date           | 26.05.26     | Date    | 26.05.26   |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5126 | 0   |

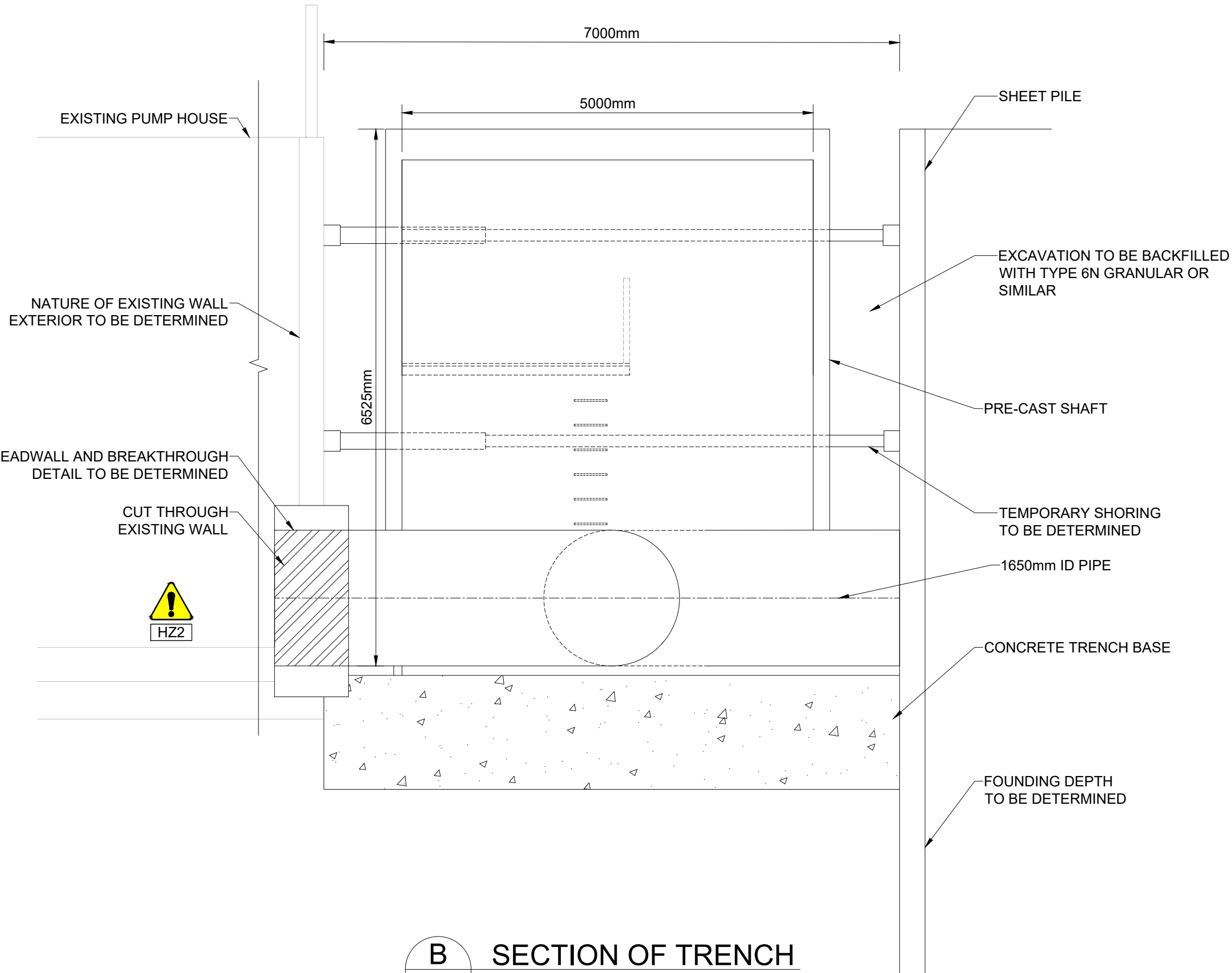


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0 10

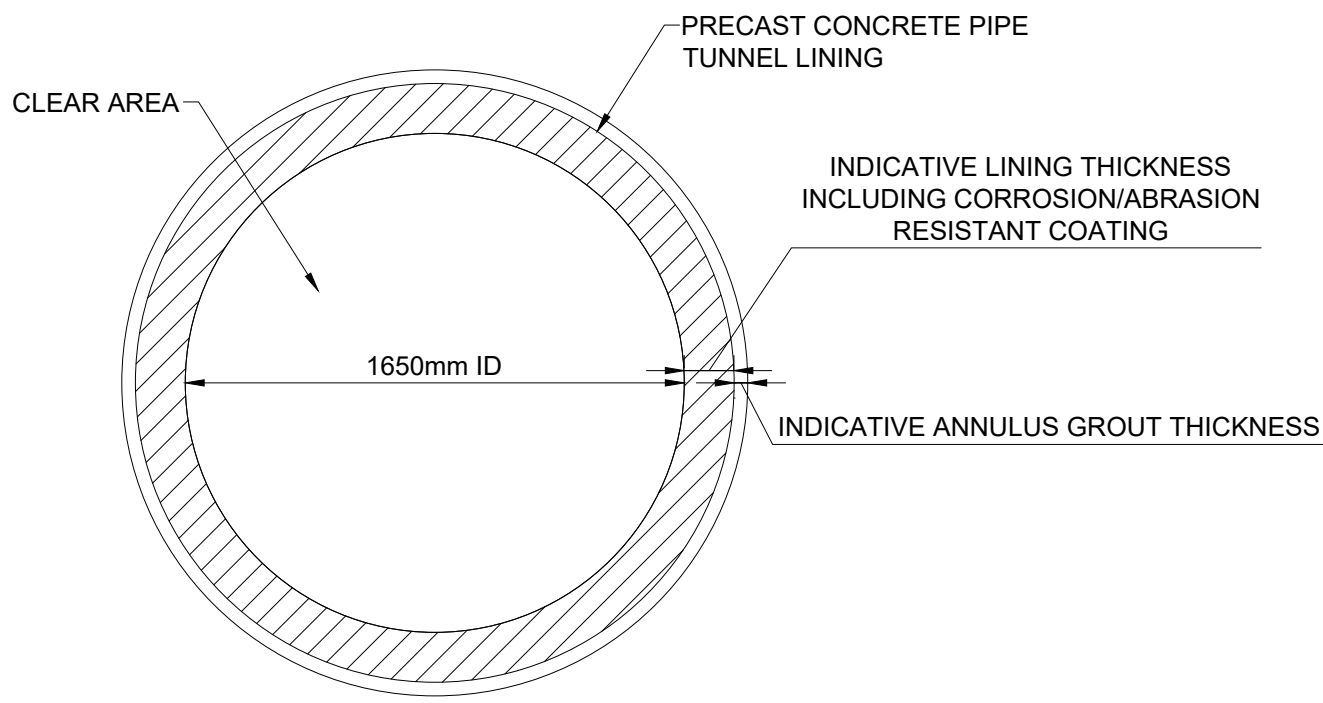


TRENCH PLAN  
SCALE 1:100

| INSPECTION CHAMBER SCHEDULE |                                           |                            |                 |               |                              |                   |                              |                 |                               |                  |            |            |
|-----------------------------|-------------------------------------------|----------------------------|-----------------|---------------|------------------------------|-------------------|------------------------------|-----------------|-------------------------------|------------------|------------|------------|
| MANHOLE NAME                | EGL (m AOD) AT INSPECTION CHAMBER OPENING | CAPPING SLAB LEVEL (m AOD) | SHAFT DEPTH (m) | SHAFT DIA (m) | MANHOLE ACCESS CLEAR OPENING | COVER LOAD RATING | PIPE IN INVERT LEVEL (m AOD) | PIPE IN DIA (m) | PIPE OUT INVERT LEVEL (m AOD) | PIPE OUT DIA (m) | NORTHING   | EASTING    |
| MANHOLE A                   | 47.232                                    | 46.832                     | 3.509           | 5             | 675 x 675                    | D400              | 41.103                       | 1.650           | 41.100                        | 1.650            | 675624.651 | 671566.159 |
| MANHOLE B                   | 47.139                                    | 46.739                     | 3.429           | 5             | 675 x 675                    | D400              | 41.089                       | 1.650           | 41.086                        | 1.650            | 675622.901 | 671574.457 |



SECTION OF TRENCH  
SCALE 1:50



TUNNEL  
SCALE 1:25

| SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |
| CONSTRUCTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |
| 1. HZ1 - Unknown condition of pump house wall and its structural capacity next to excavation. Includes unknown temporary construction (e.g. sheet piles) that may be left in-situ.<br>2. HZ2 - live sewage pumping station<br>3. Live highway.<br>4. Existing services close to shafts present a hazard if intercepted.<br>5. Water ingress into excavations due to permeability / high water table.<br>6. Multiple other construction activities are planned adjacent to the WWTP shaft.<br>7. Potential ground contamination from sewage.<br>8. Risk from working inside or adjacent to temporary trench excavation.<br>9. Live overhead lines present risk to sheet piling at reception trench. |  |
| MAINTENANCE/CLEANING                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |
| 9. Confined space - dangerous gases (hydrocarbons, H2S, low O2, CO, CO2).<br>10. Confined space - inundation, isolations required.<br>11. Use of the structure is for wastewater conveyance, hence maintenance should consider health hazard.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
| DECOMMISSIONING/DEMOLITION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |
| 12. Confined space - dangerous gases (hydrocarbons, H2S, low O2, CO, CO2).<br>13. Potential ground contamination from sewage.<br>14. Structures must be made safe if abandoned in situ with infill or monitoring.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
| It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |

GENERAL NOTES:

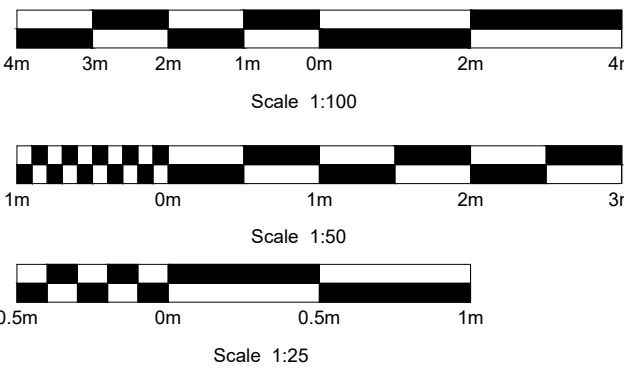
- ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
- ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
- ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
- ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

|  |                    |
|--|--------------------|
|  | SITE BOUNDARY      |
|  | TUNNEL LINING      |
|  | INVERT LEVEL       |
|  | EXISTING STRUCTURE |
|  | MASS CONCRETE      |

REFERENCE DRAWINGS:

5161805\_EWE\_DR\_MOR\_5120  
5161805\_EWE\_DR\_MOR\_5121  
5161805\_EWE\_DR\_MOR\_5122



| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
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|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

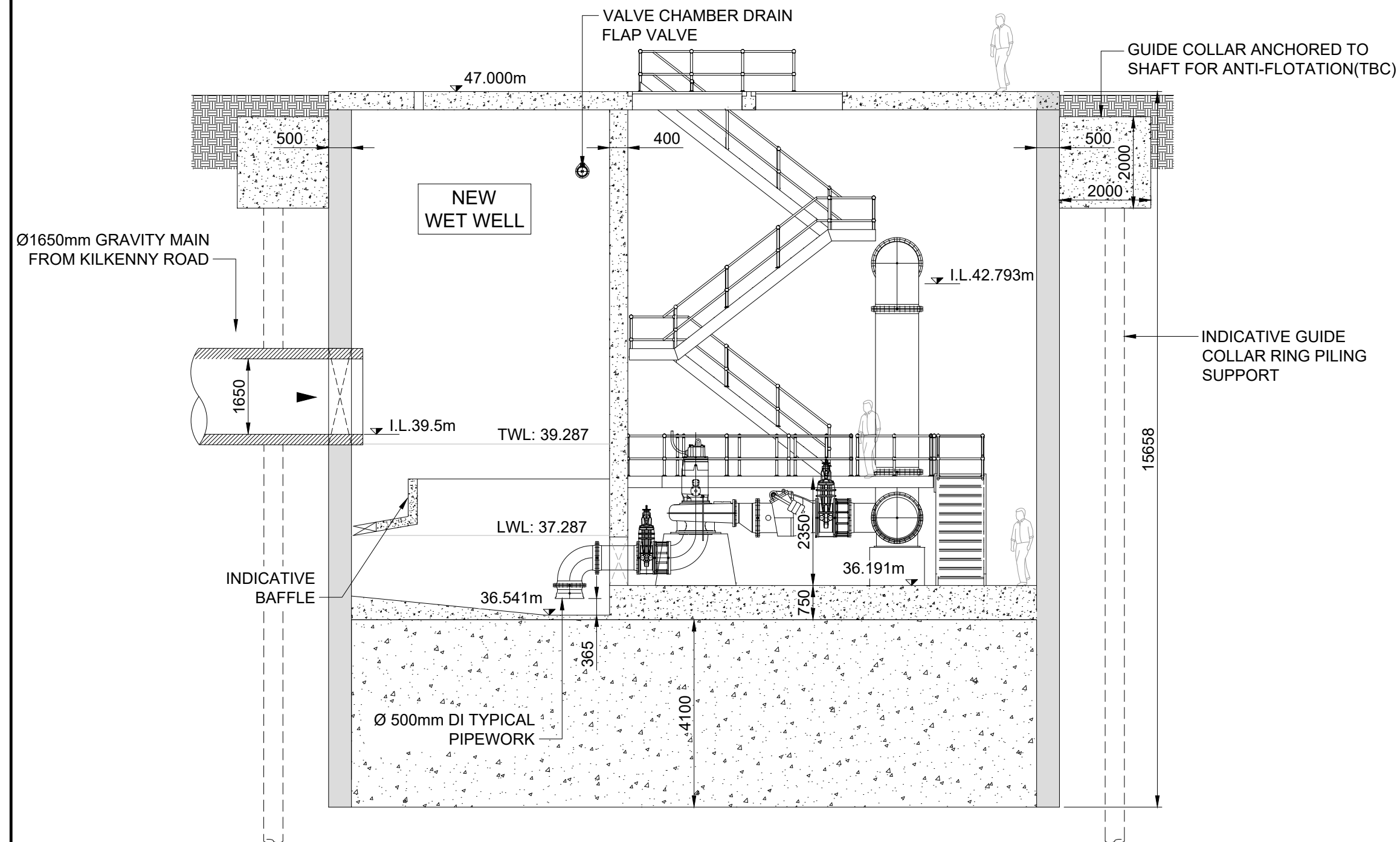
Project  
**MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE**

Title  
**PROPOSED MICROTUNNEL GRAVITY SEWER  
TRENCH & TUNNEL DETAILS**

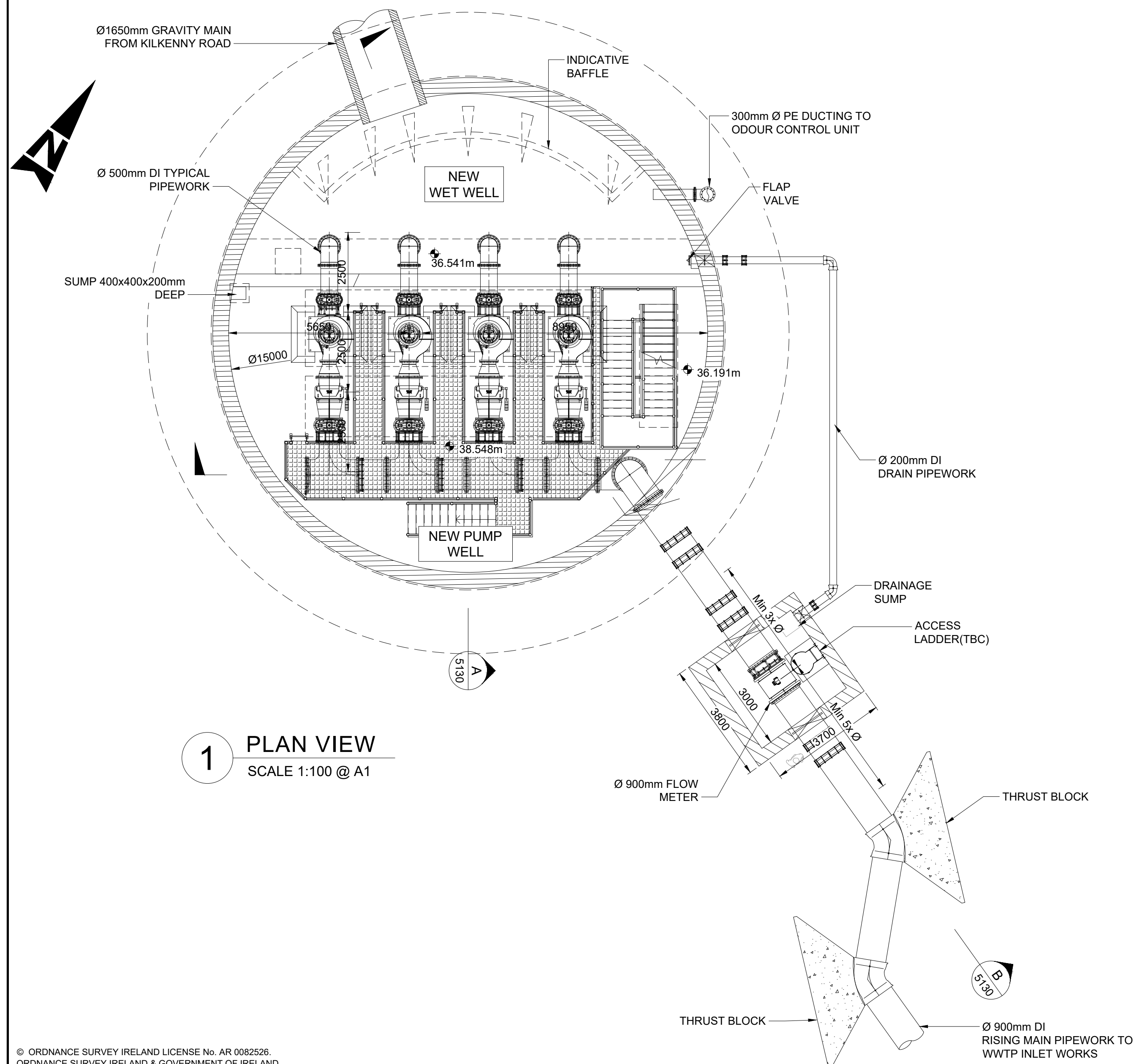
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| AS SHOWN       |                         | AMQ           |  | KA            |  | FQ            |     |
|                |                         | Date 26.05.26 |  | Date 26.05.26 |  | Date 26.05.26 |     |
| Status         | Drawing Number          |               |  |               |  |               | Rev |
| P              | 5161805_EWE_DR_MOR_5127 |               |  |               |  |               | 0   |



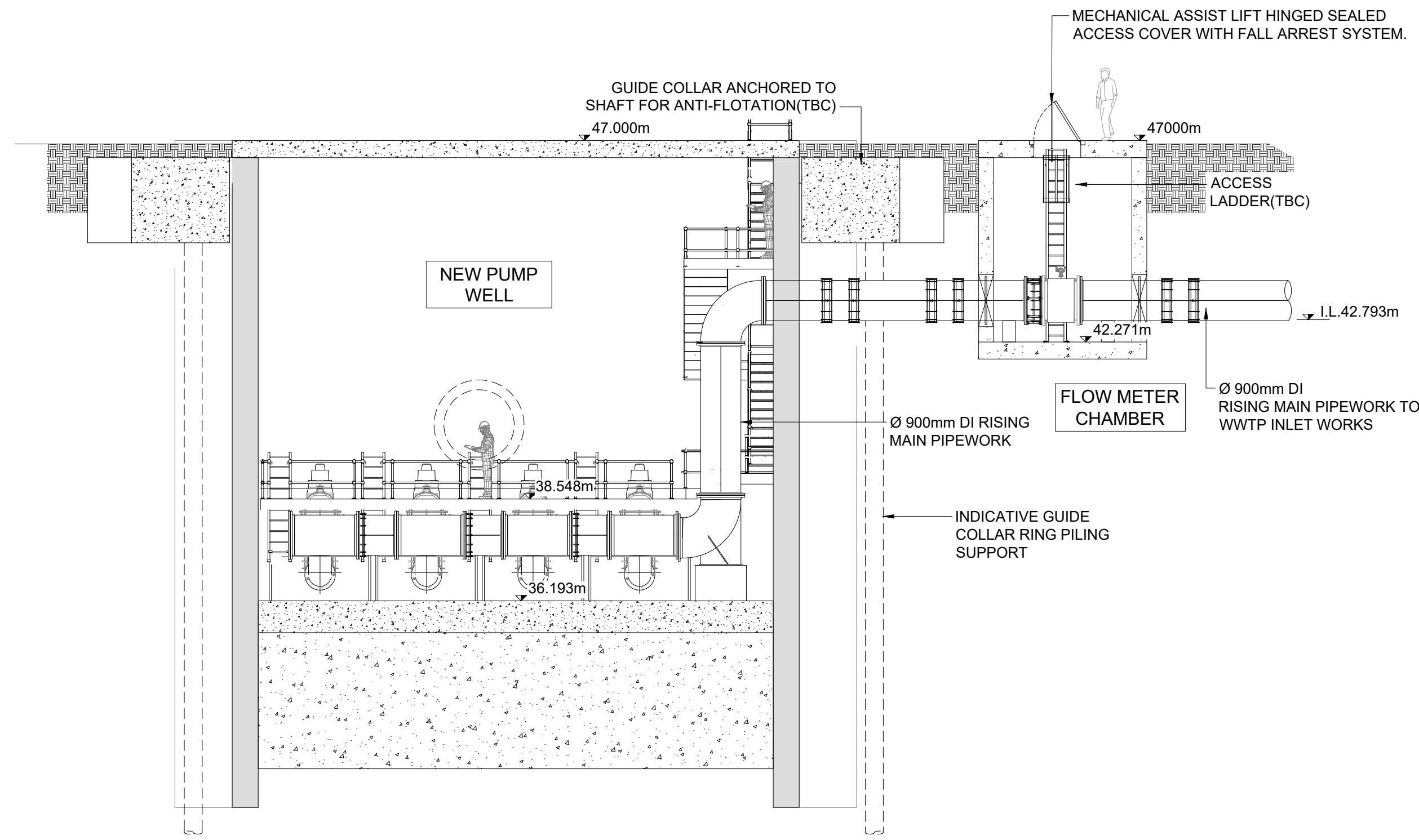
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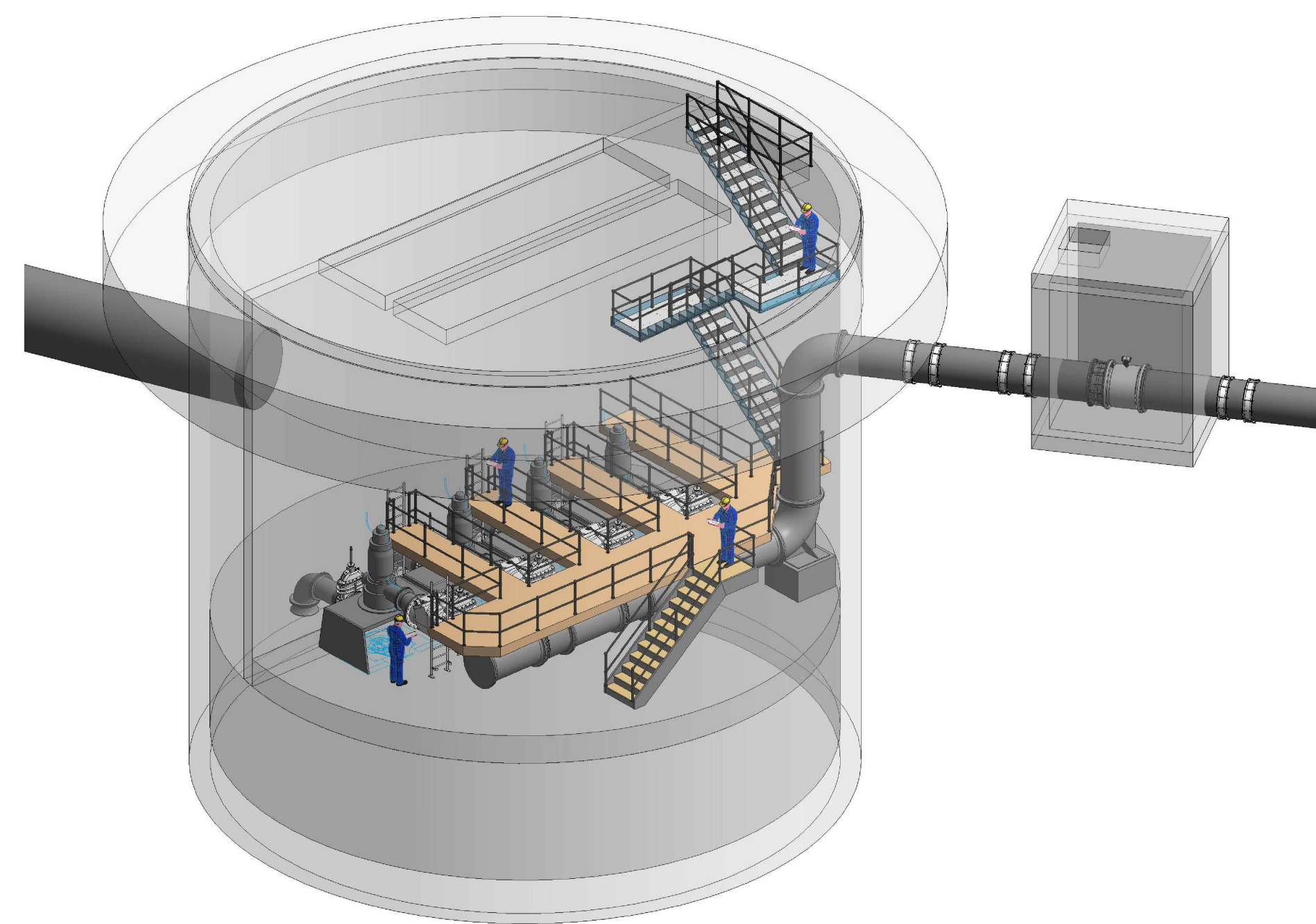
2 SECTION A(DEVELOPED)  
SCALE 1:100 @ A1



1 PLAN VIEW  
SCALE 1:100 @ A1



3 SECTION B(DEVELOPED)  
SCALE 1:100 @ A1



4 3D VIEW  
NTS

#### GENERAL NOTES:

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

#### LEGEND :

- EXISTING  
PROPOSED

Purpose PLANNING

0 PLANNING AMQ 26.05.26 KA FQ  
Rev Description By Date Chk'd Auth

**AtkinsRéalis**  
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Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED INLET PUMP STATION

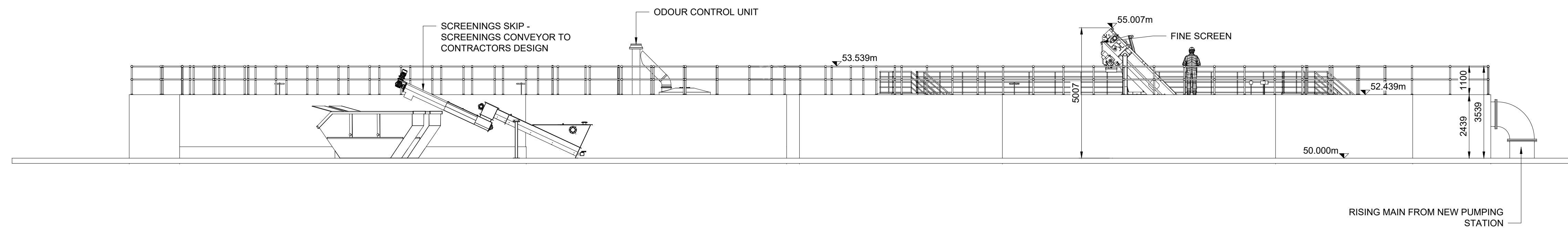
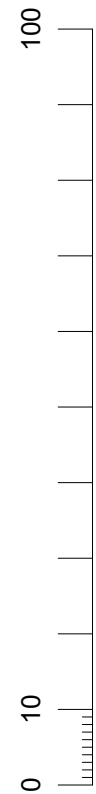
Original Scale 1:100 @ A1 Design/Drawn AMQ Checked KA Authorised FQ  
Date 26.05.26 Date 26.05.26 Date 26.05.26

Status P Drawing Number 5161805\_EWE\_DR\_MOR\_5130 Rev 0

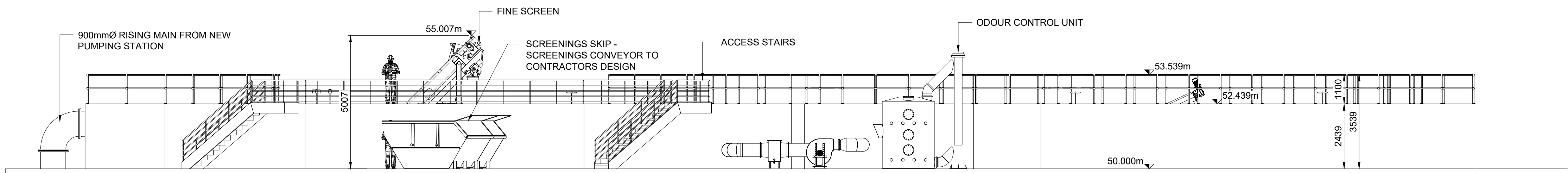




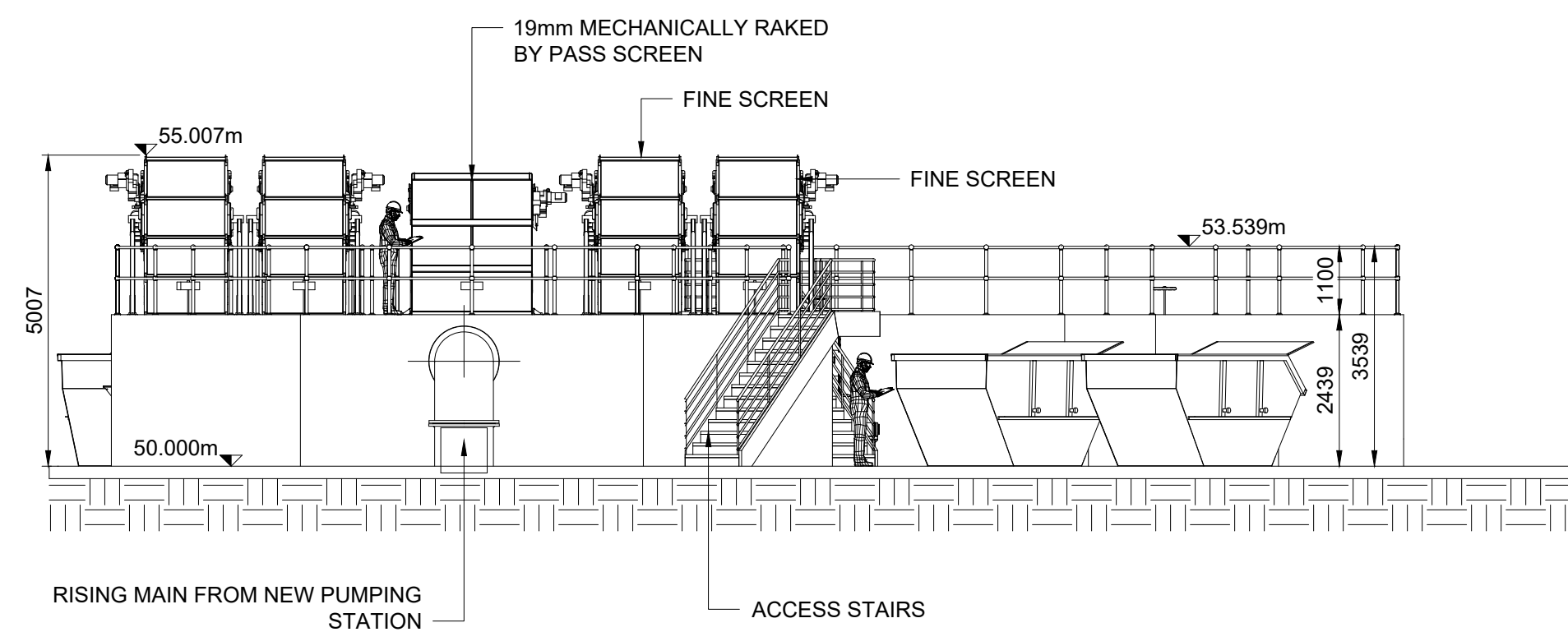




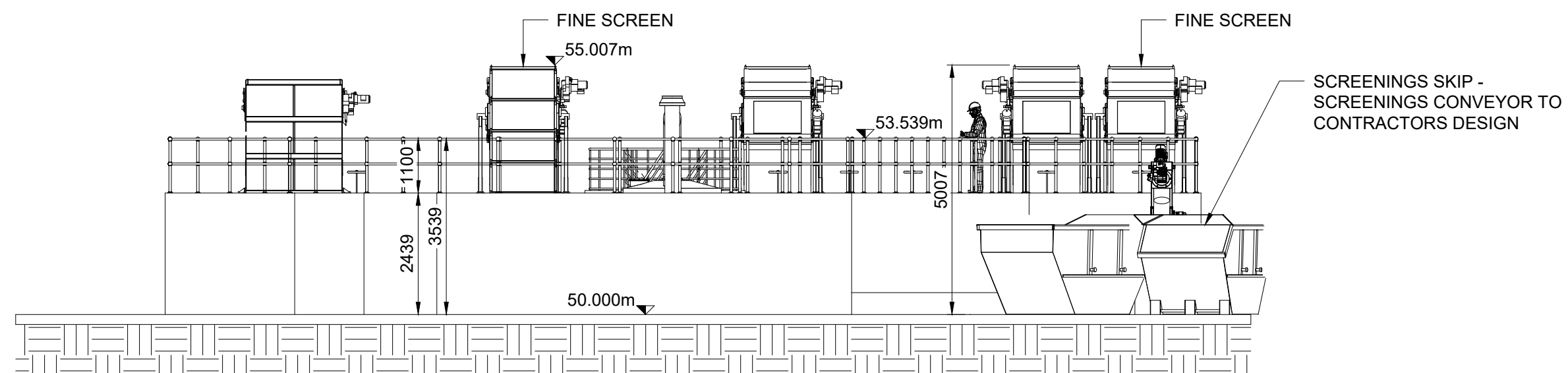
1 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



2 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



3 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



4 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1

GENERAL NOTES:

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

Purpose PLANNING

| Rev | Description | By  | Date     | Chk'd | Auth |
|-----|-------------|-----|----------|-------|------|
| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |

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SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

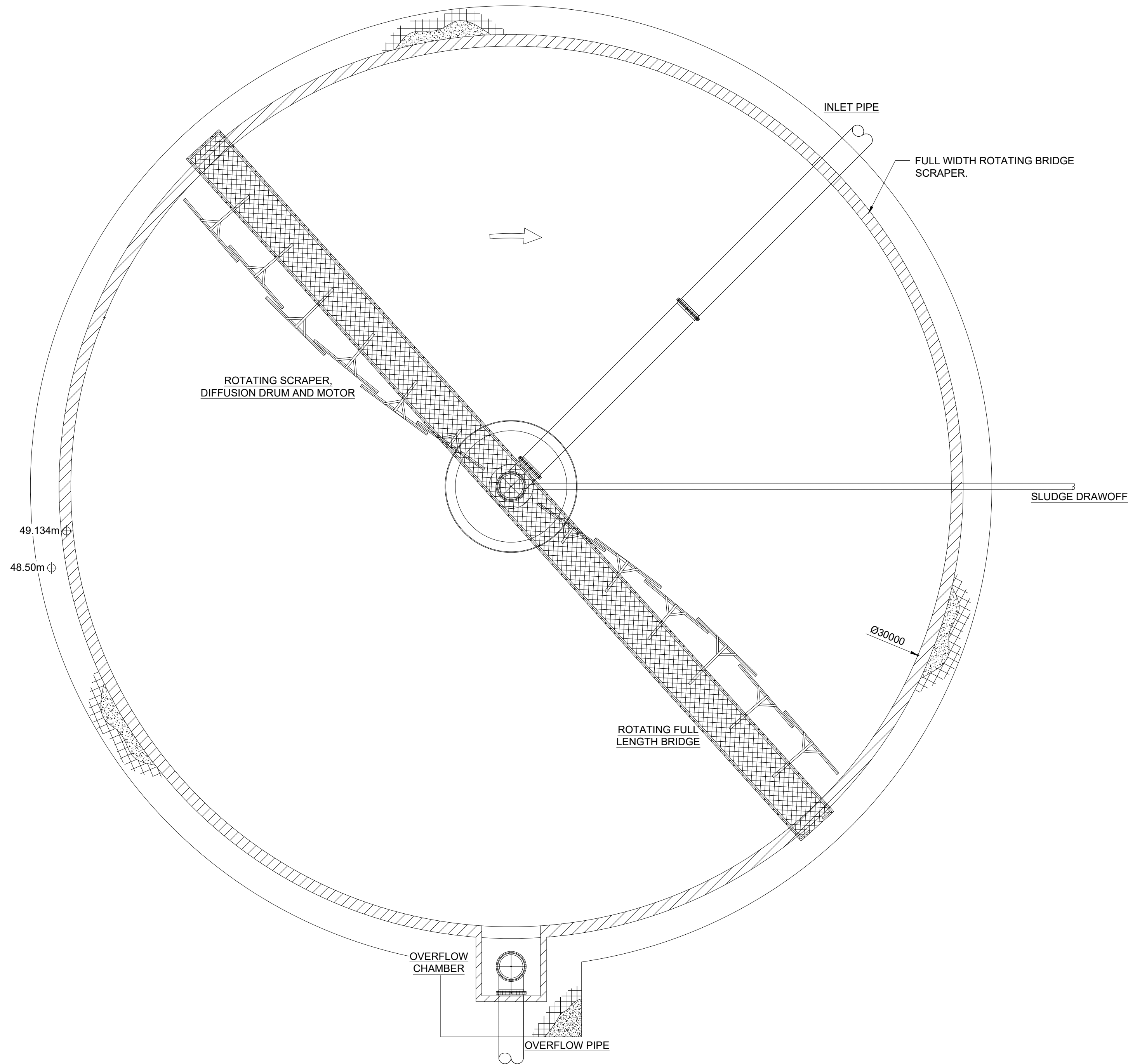
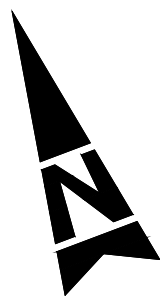
Title  
PROPOSED INLET WORKS  
ELEVATIONS

|                |               |               |               |
|----------------|---------------|---------------|---------------|
| Original Scale | Design/Drawn  | Checked       | Authorised    |
| 1:100 @ A1     | AMQ           | KA            | FQ            |
|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

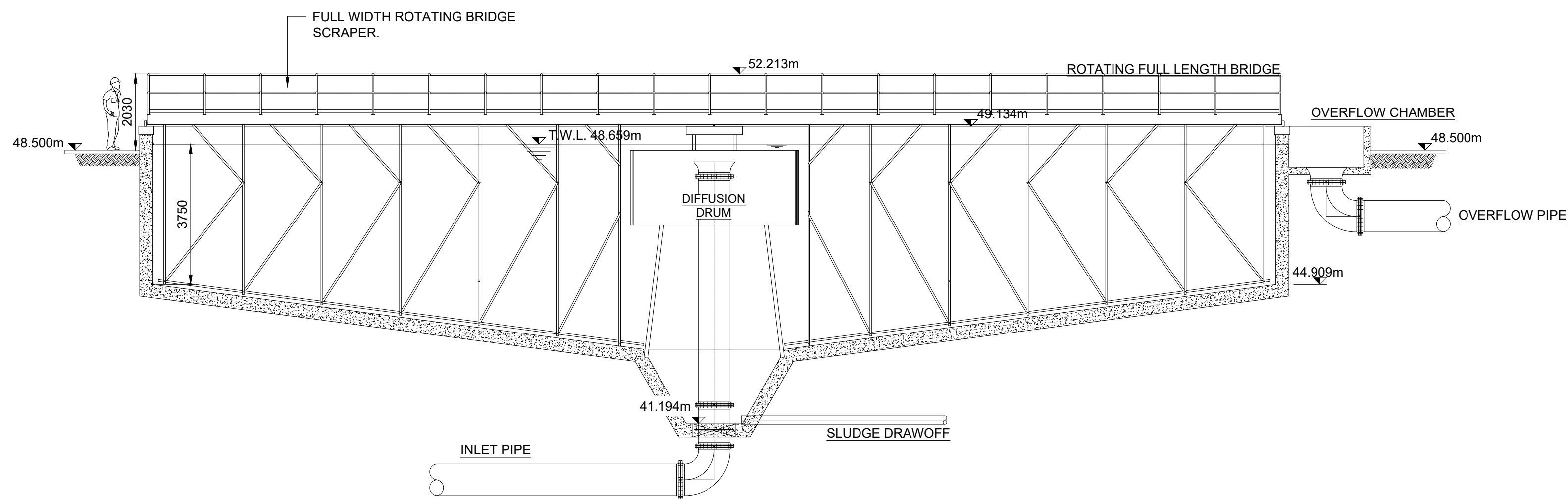
| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5141 | 0   |



0 10 100



1 STORMWATER HOLDING TANK - PLAN  
SCALE 1:100 @ A1



2 SECTION  
SCALE 1:100 @ A1

GENERAL NOTES:

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

Purpose PLANNING

| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |
|-----|-------------|-----|----------|-------|------|
| Rev | Description | By  | Date     | Chk'd | Auth |

**AtkinsRéalis**  
DUBLIN | CORK | GALWAY | DUNDALK  
ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,  
SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

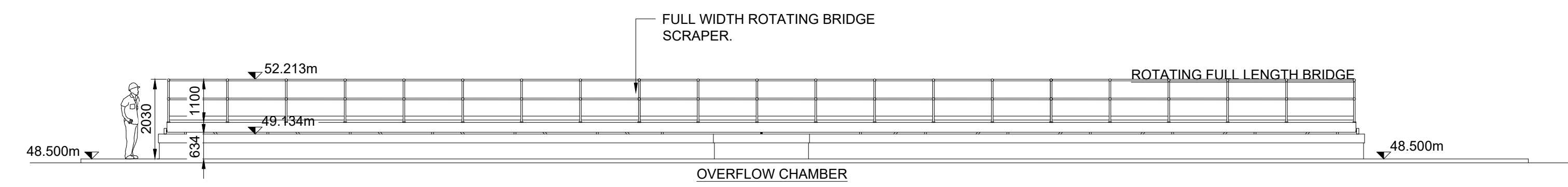
Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED STORM TANK  
PLAN & SECTION

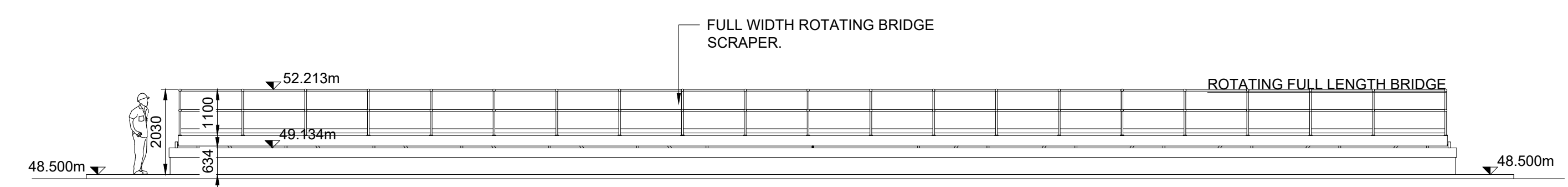
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| 1:100 @ A1     | AMQ           | KA            | FQ            |
|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5142 | 0   |

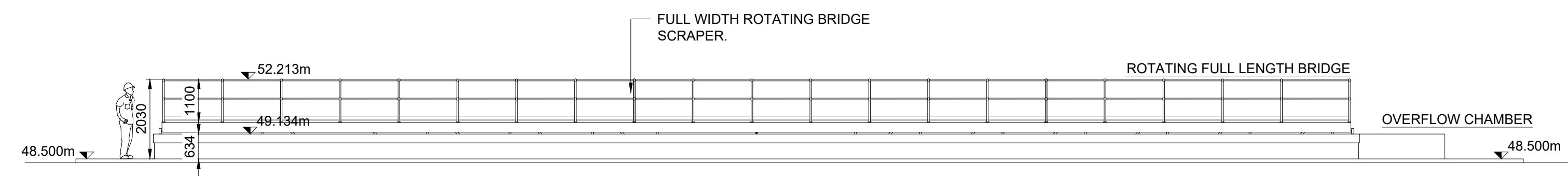




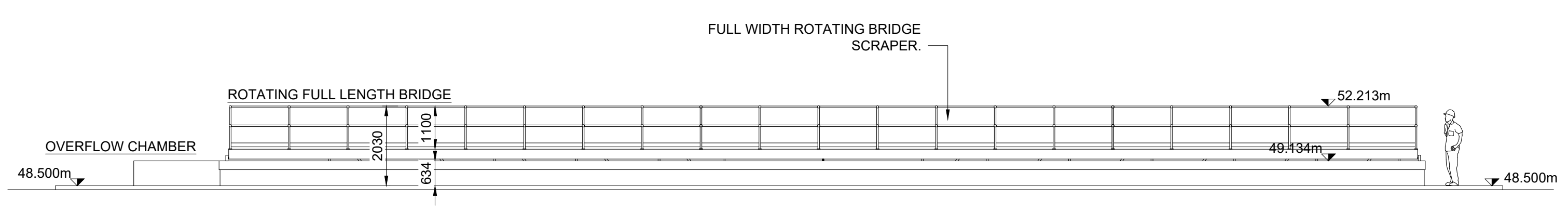
1 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



2 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



3 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



4 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1

- GENERAL NOTES:
1. ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
  2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
  3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
  4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |

**AtkinsRéalis**  
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ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,  
SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED STORM TANK  
ELEVATIONS

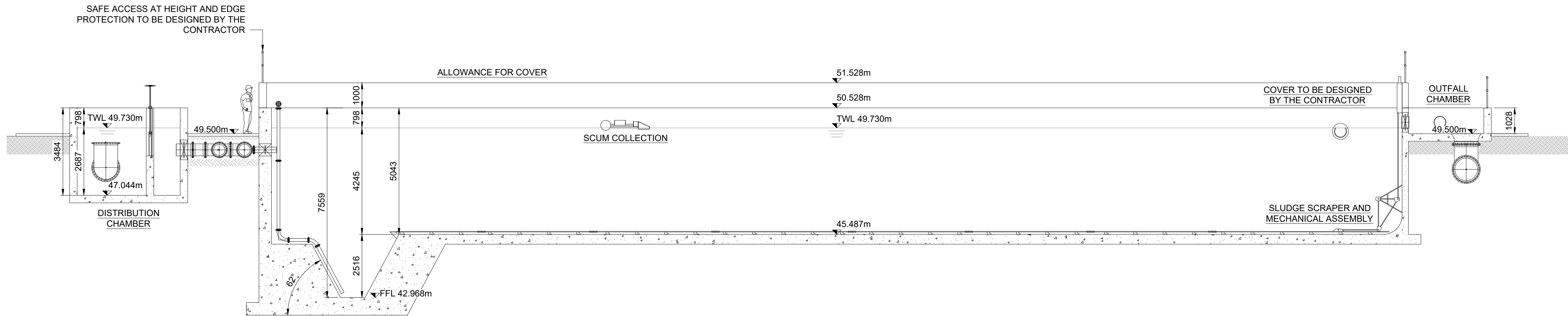
| Original   | Scale                   | Design/Drawn | Checked  | Authorised    |
|------------|-------------------------|--------------|----------|---------------|
| 1:100 @ A1 | AMQ                     | KA           | FQ       |               |
| Date       | 26.05.26                | Date         | 26.05.26 | Date 26.05.26 |
| Status     | Drawing Number          | Rev          |          |               |
| P          | 5161805_EWE_DR_MOR_5143 | 0            |          |               |





|        |                         |     |
|--------|-------------------------|-----|
| Status | Drawing Number          | Rev |
| P      | 5161805_EWE_DR_MOR_5144 | 0   |





2 TYPICAL SECTION  
SCALE 1:100 @ A1

- GENERAL NOTES:
1. ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
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  3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
  4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
|          |             |     |          |            |
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|          |             |     |          |            |
|          |             |     |          |            |
|          |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |



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Client

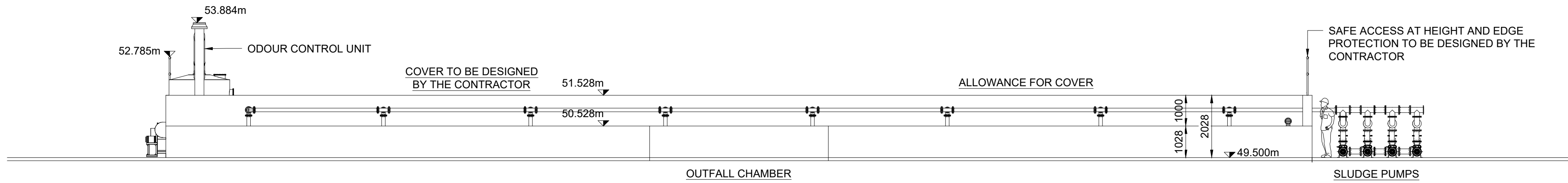


MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

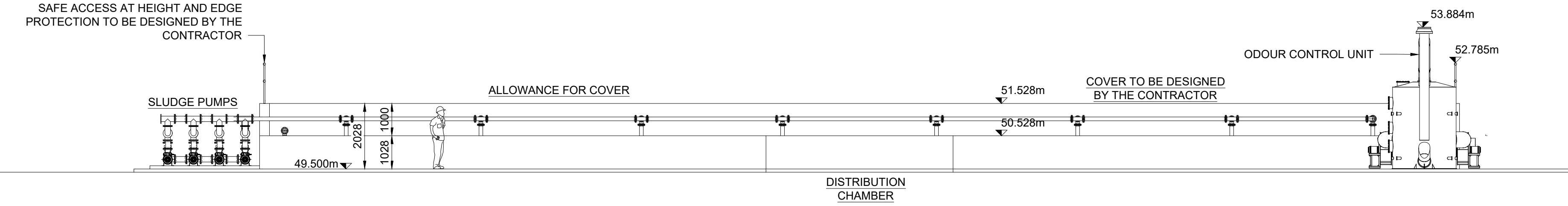
PROPOSED PRIMARY SETTLEMENT TANK  
SECTION

| Original   | Scale                   | Design/Drawn | Checked  | Authorised    |
|------------|-------------------------|--------------|----------|---------------|
| 1:100 @ A1 | AMQ                     | KA           | FQ       |               |
| Date       | 26.05.26                | Date         | 26.05.26 | Date 26.05.26 |
| Status     | Drawing Number          | Rev          |          |               |
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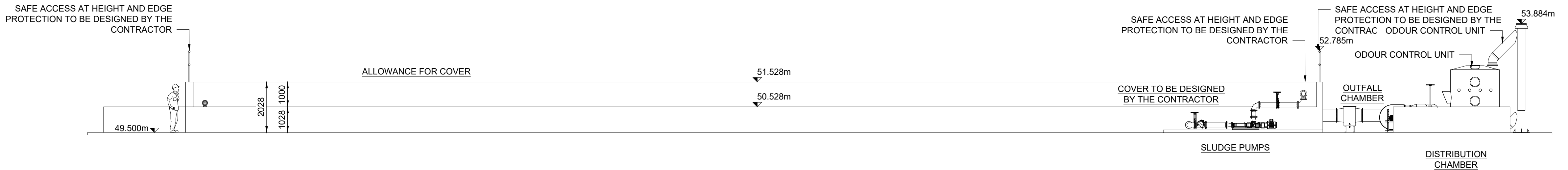




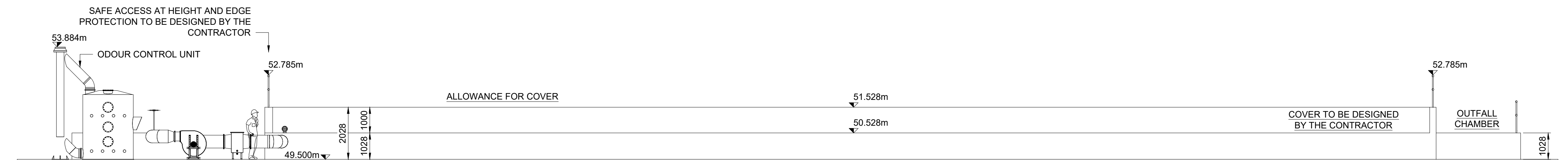
4 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1



3 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



2 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



1 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1

GENERAL NOTES:

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2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

Purpose PLANNING

|     |             |     |          |       |      |
|-----|-------------|-----|----------|-------|------|
| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |
| Rev | Description | By  | Date     | Chk'd | Auth |

**AtkinsRéalis**  
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ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,  
SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

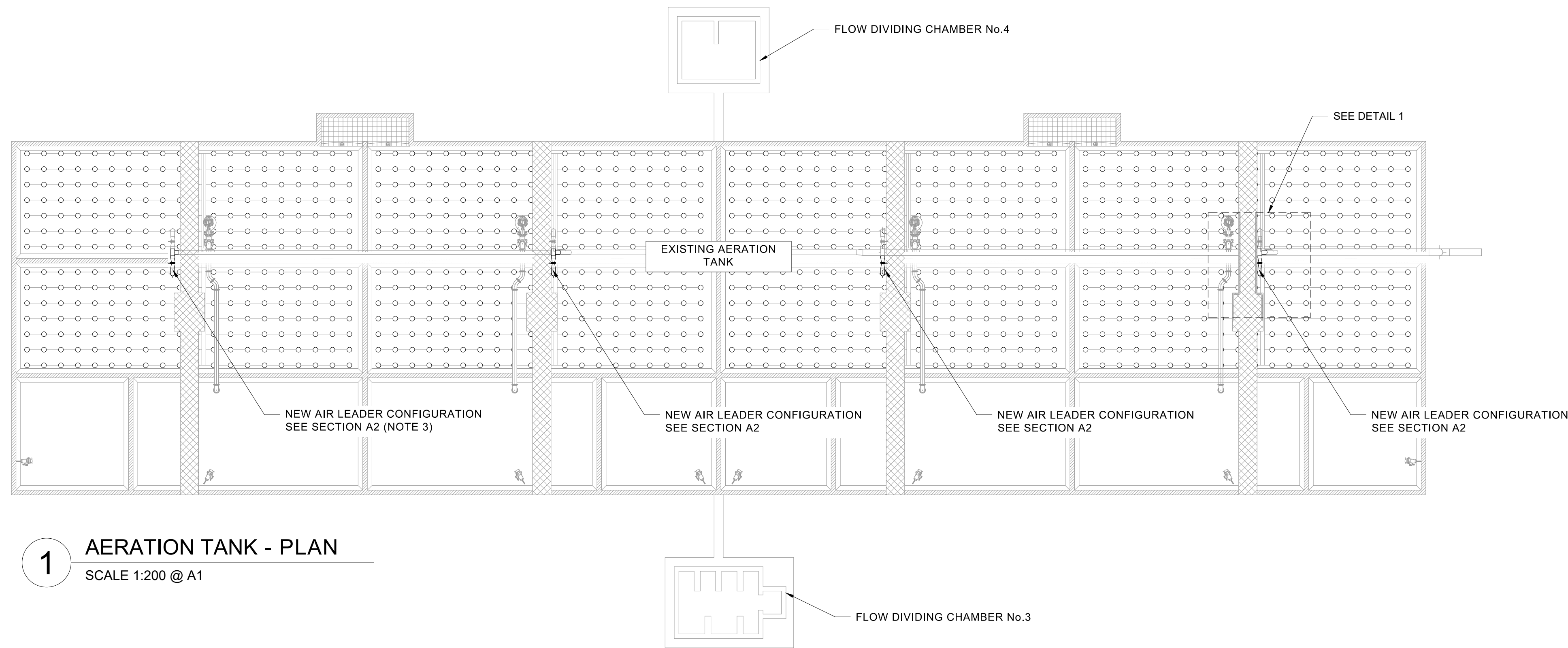
Title  
PROPOSED PRIMARY SETTLEMENT TANK  
ELEVATIONS

|                |              |         |            |
|----------------|--------------|---------|------------|
| Original Scale | Design/Drawn | Checked | Authorised |
| 1:100 @ A1     | AMQ          | KA      | FQ         |
| Date           | 26.05.26     | Date    | 26.05.26   |

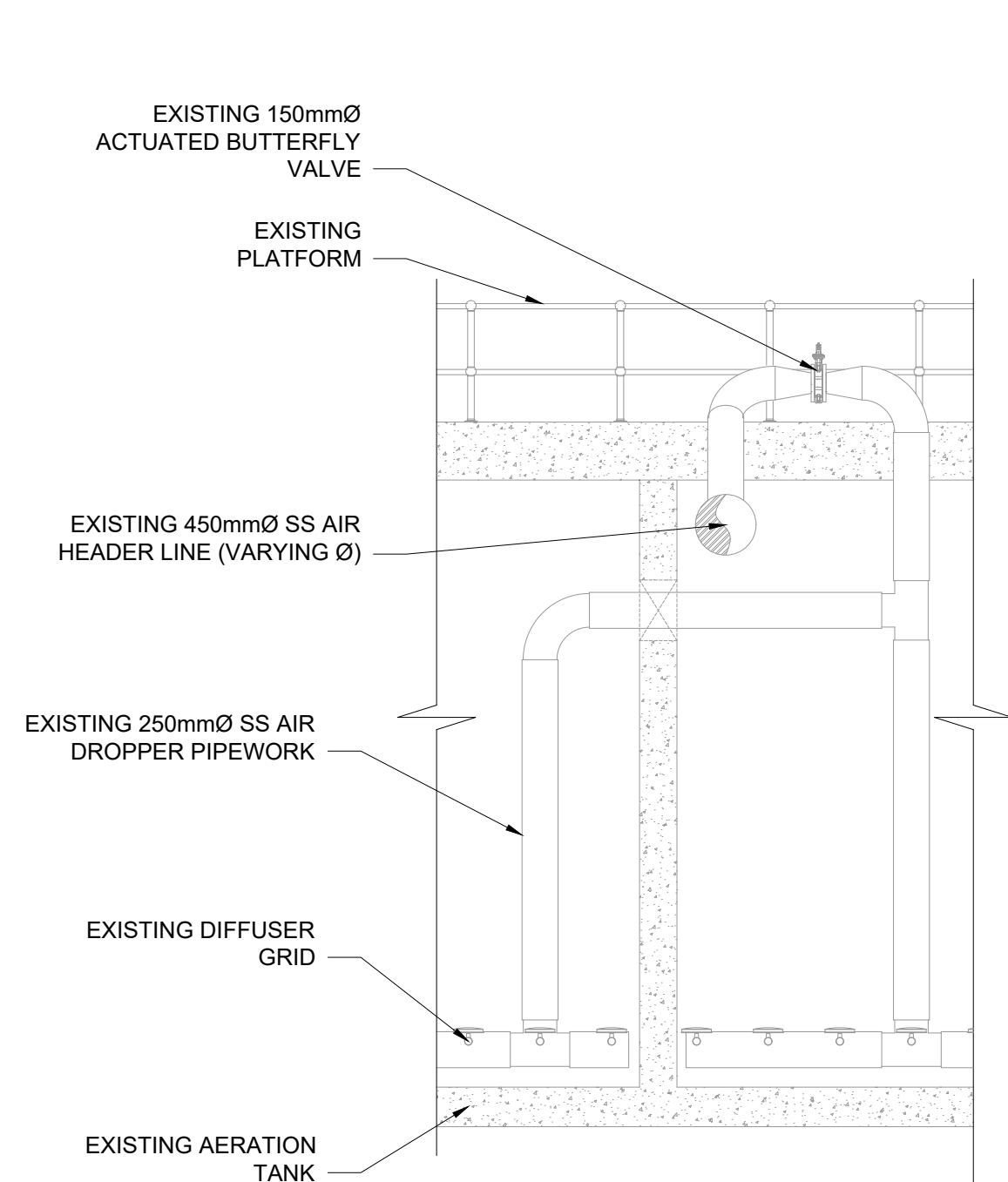
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| P      | 5161805_EWE_DR_MOR_5146 | 0   |



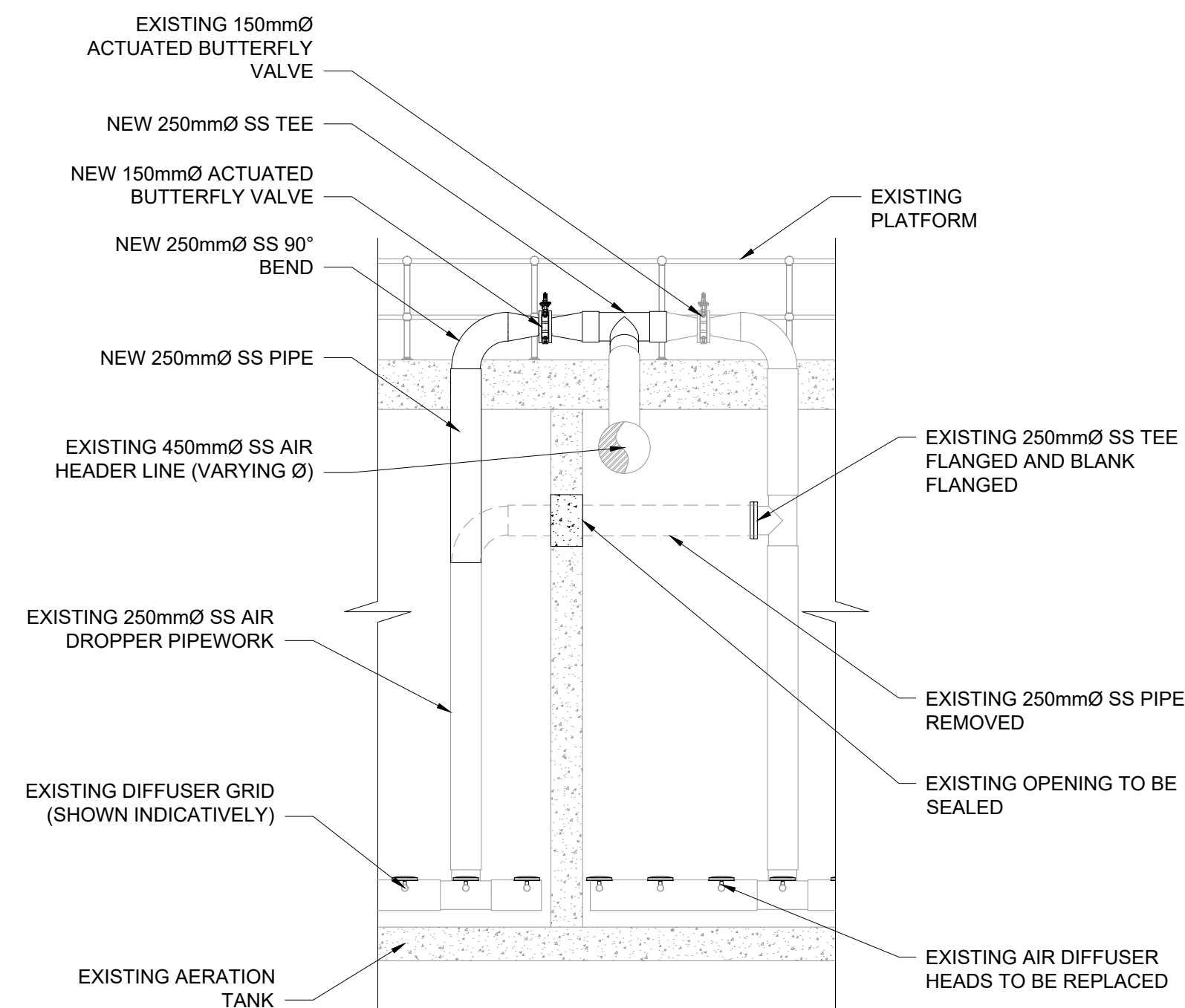
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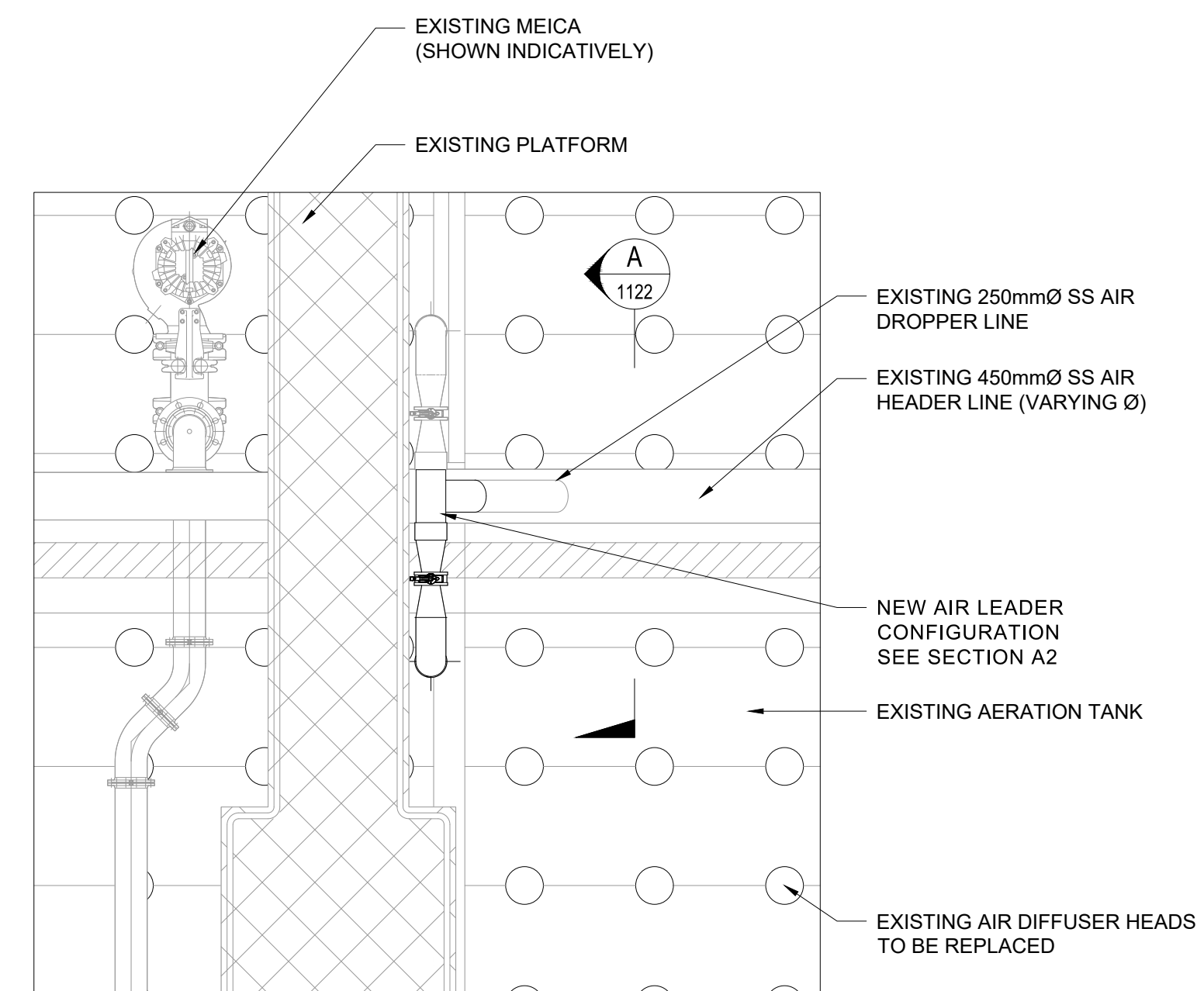
1 AERATION TANK - PLAN  
SCALE 1:200 @ A1



2 AERATION TANK - SECTION A1  
EXISTING AIR LEADER (BEFORE  
UPGRADE WORKS)  
SCALE 1:50 @ A1



3 AERATION TANK - SECTION A2  
NEW AIR LEADER CONFIGURATION  
SCALE 1:50 @ A1



4 AERATION TANK - DETAIL 1  
SCALE 1:50 @ A1

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LEGEND :

EXISTING  
PROPOSED

Purpose PLANNING

| Rev | Description | By | Date         | Chk'd | Auth |
|-----|-------------|----|--------------|-------|------|
| 0   | PLANNING    |    | AMQ 26.05.26 | KA    | FQ   |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

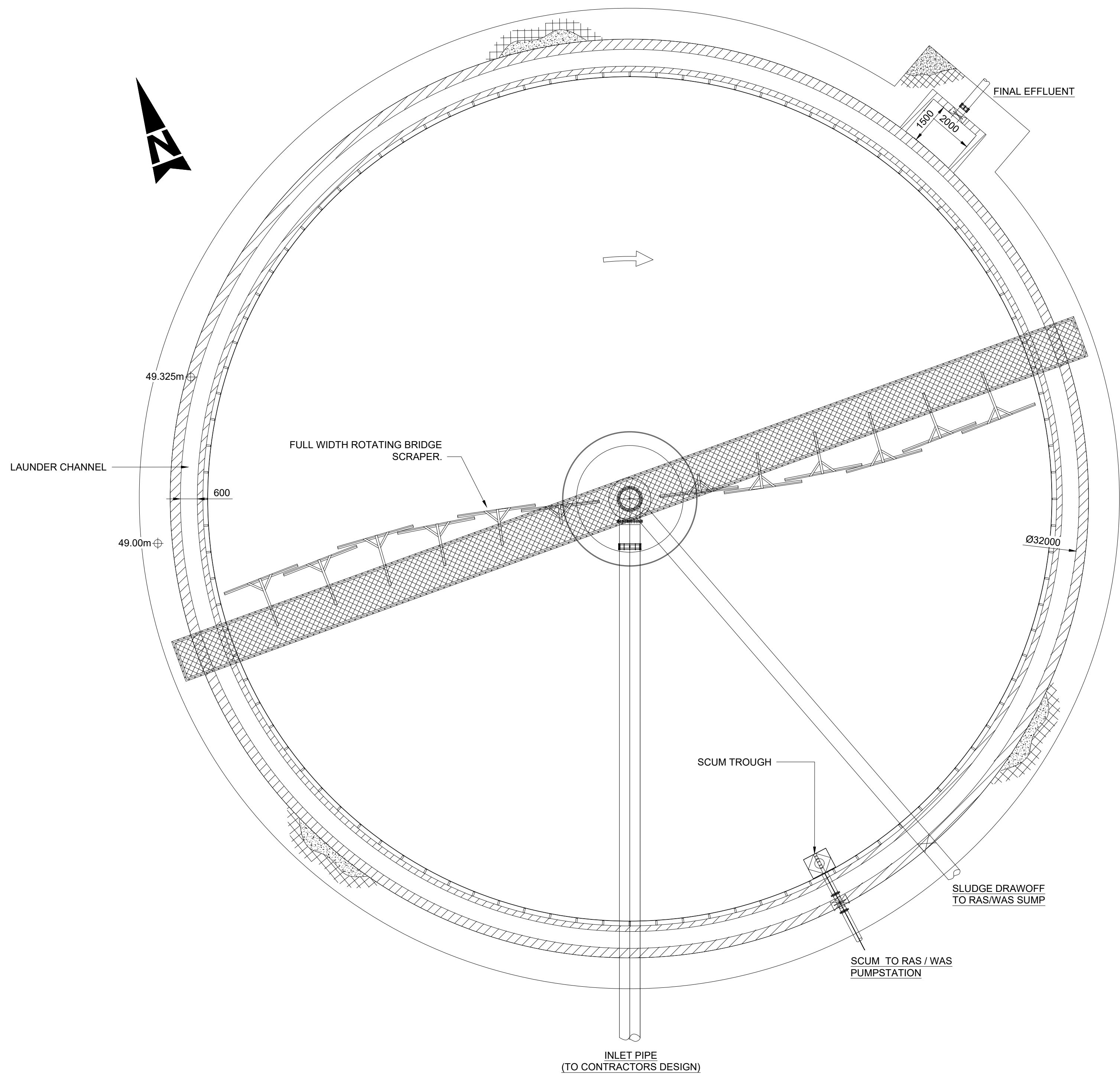
Title  
PROPOSED MODIFICATIONS TO  
AERATION TANK  
BLOWER PIPEWORK  
GENERAL ARRANGEMENT

| Original | Scale | Design/Drawn  | Checked       | Authorised    |
|----------|-------|---------------|---------------|---------------|
| AS SHOWN |       | AMQ           | KA            | FQ            |
|          |       | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5147 | 0   |



0 10 100



1 PLAN  
SCALE 1:100 @ A1

GENERAL NOTES:

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3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

Purpose PLANNING

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| 0 | PLANNING | AMQ | 26.05.26 | KA | FQ |
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| Rev | Description | By | Date | Chk'd | Auth |
|-----|-------------|----|------|-------|------|
|-----|-------------|----|------|-------|------|

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Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

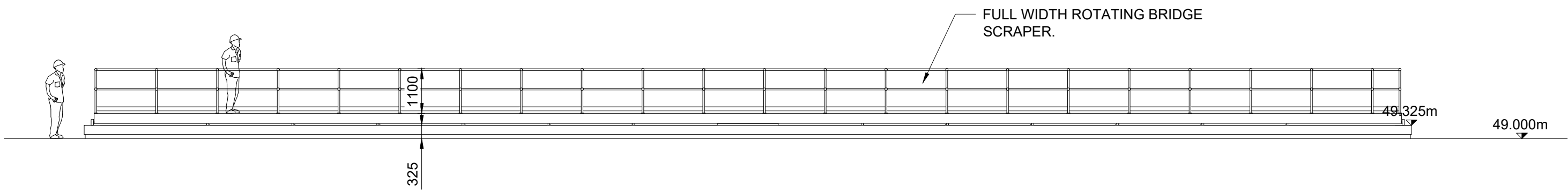
Title  
PROPOSED FINAL SETTLEMENT TANKS  
PLAN

|                                  |                     |               |                  |
|----------------------------------|---------------------|---------------|------------------|
| Original Scale<br><br>1:100 @ A1 | Design/Drawn<br>AMQ | Checked<br>KA | Authorised<br>FQ |
|                                  | Date 26.05.26       | Date 26.05.26 | Date 26.05.26    |

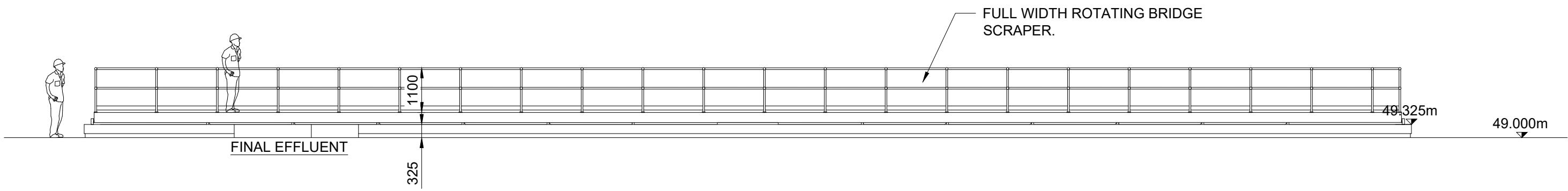
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|--------|-------------------------|-----|
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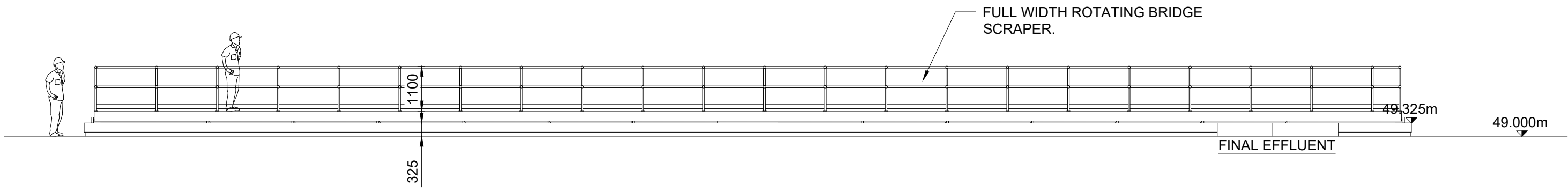
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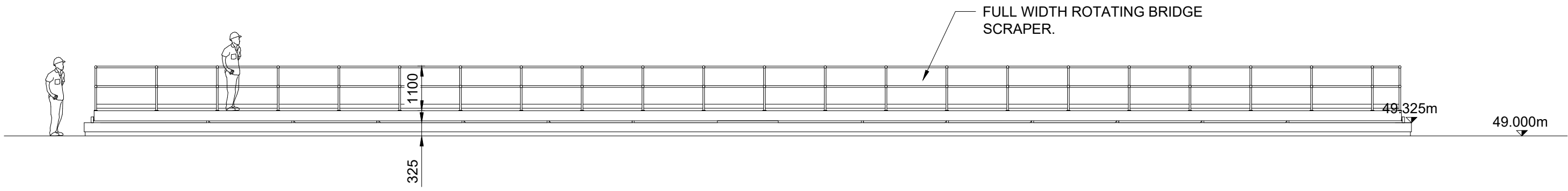
**1** ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



**2** ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



**3** ELEVATION LOOKING WEST  
SCALE 1:100 @ A1



**4** ELEVATION LOOKING EAST  
SCALE 1:100 @ A1

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  3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
  4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

Purpose **PLANNING**

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| 0 | PLANNING | AMQ | 26.05.26 | KA | FQ |
|---|----------|-----|----------|----|----|

| Rev | Description | By | Date | Chk'd | Auth |
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|-----|-------------|----|------|-------|------|

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Client

**Uisce Éireann**  
Irish Water

Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

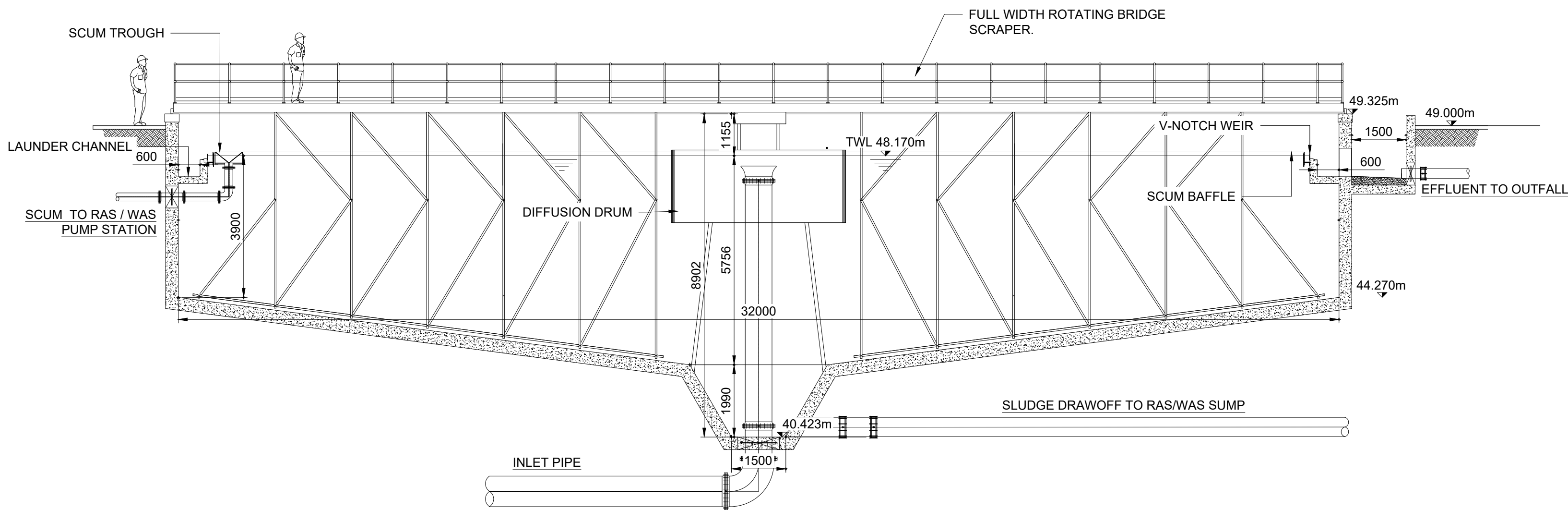
Title

PROPOSED FINAL SETTLEMENT TANKS  
ELEVATIONS

|                |               |               |               |
|----------------|---------------|---------------|---------------|
| Original Scale | Design/Drawn  | Checked       | Authorised    |
| 1:100 @ A1     | AMQ           | KA            | FQ            |
| Date 26.05.26  | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5149 | 0   |





**1** TYPICAL SECTION  
SCALE 1:100 @ A1

GENERAL NOTES:

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Purpose  
PLANNING

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| 0 | PLANNING | AMQ | 26.05.26 | KA | FQ |
|---|----------|-----|----------|----|----|

|     |             |    |      |       |      |
|-----|-------------|----|------|-------|------|
| Rev | Description | By | Date | Chk'd | Auth |
|-----|-------------|----|------|-------|------|



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SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000      Email : info.ie@atkinsrealis.com

Client



Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

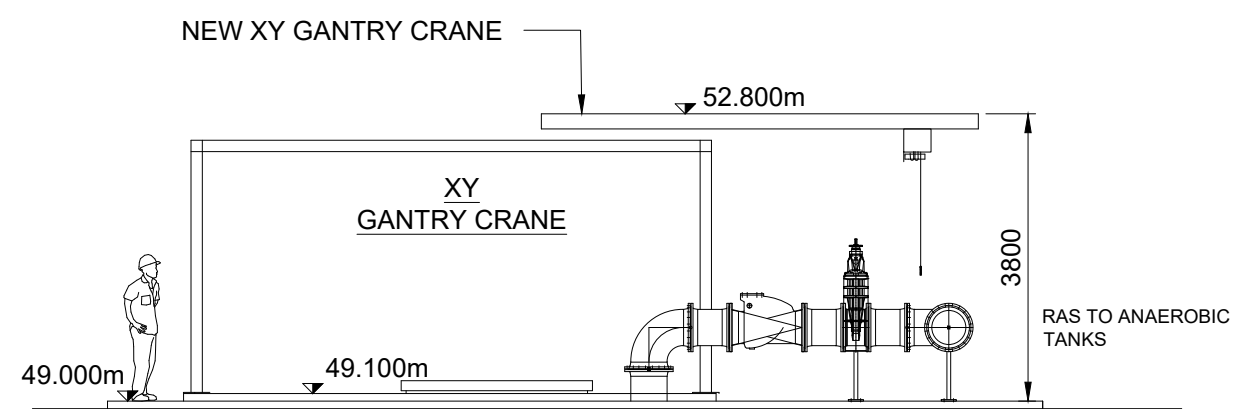
Title

PROPOSED FINAL SETTLEMENT TANKS  
SECTION

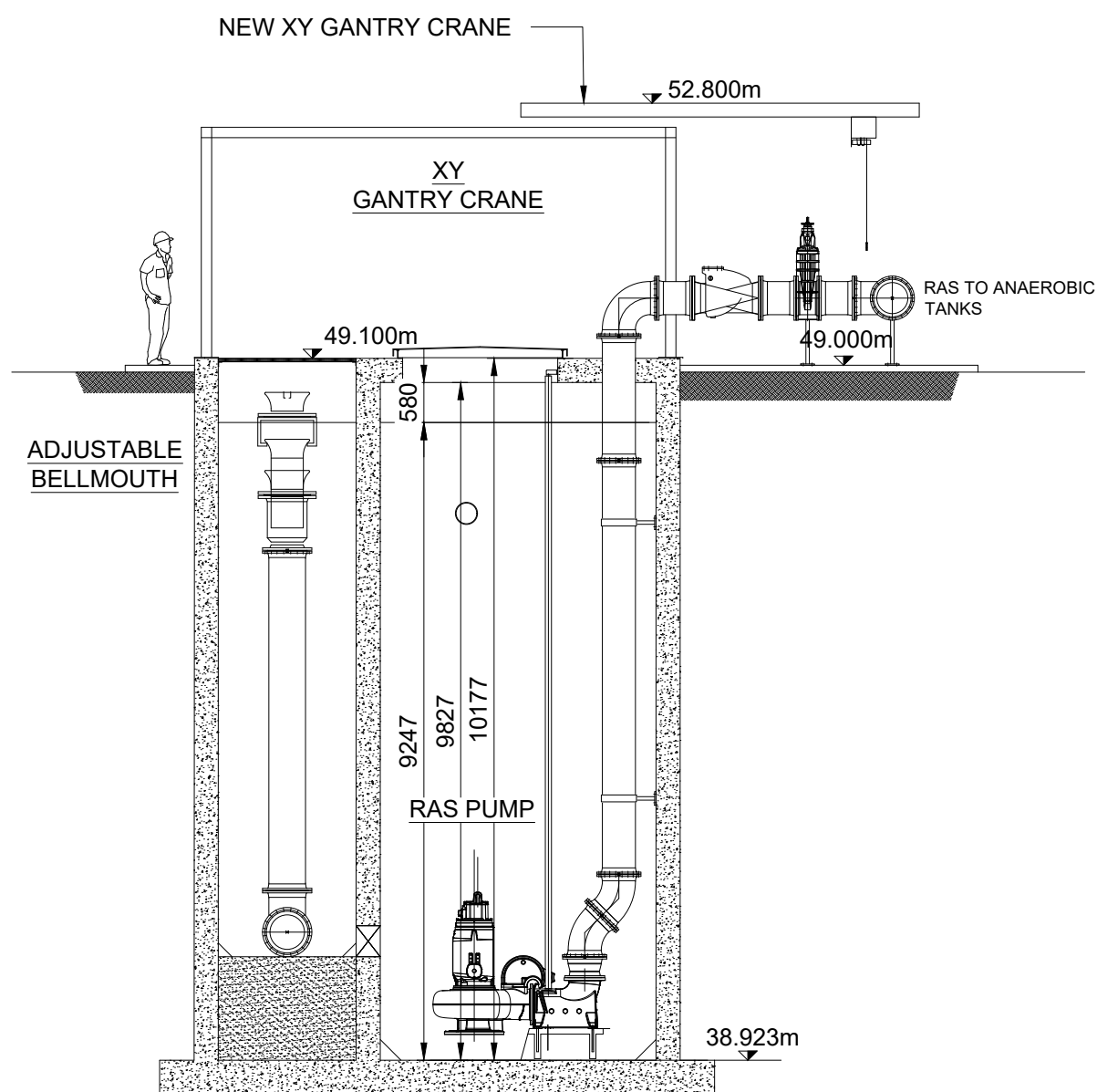
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| 1:100 @ A1     | AMQ           | KA            | FQ            |
|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

|        |                         |     |
|--------|-------------------------|-----|
| Status | Drawing Number          | Rev |
| P      | 5161805_EWE_DR_MOR_5150 | 0   |

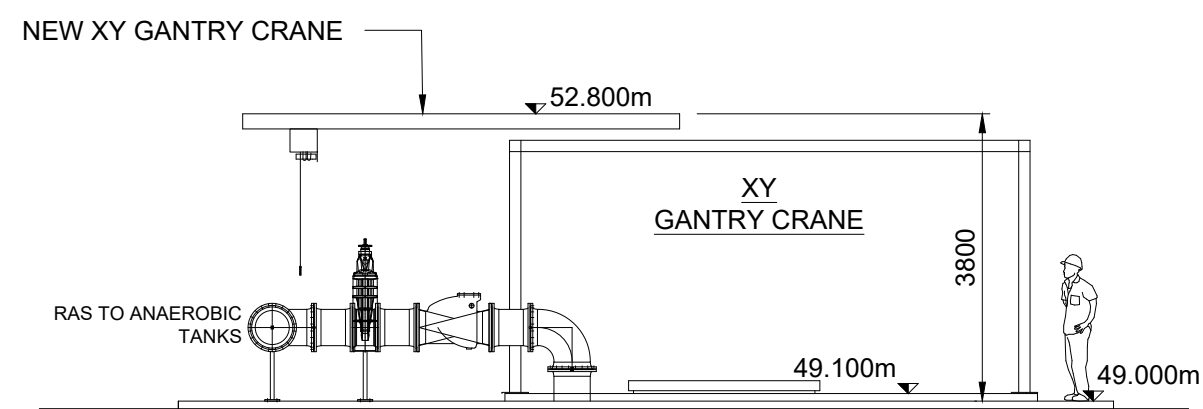




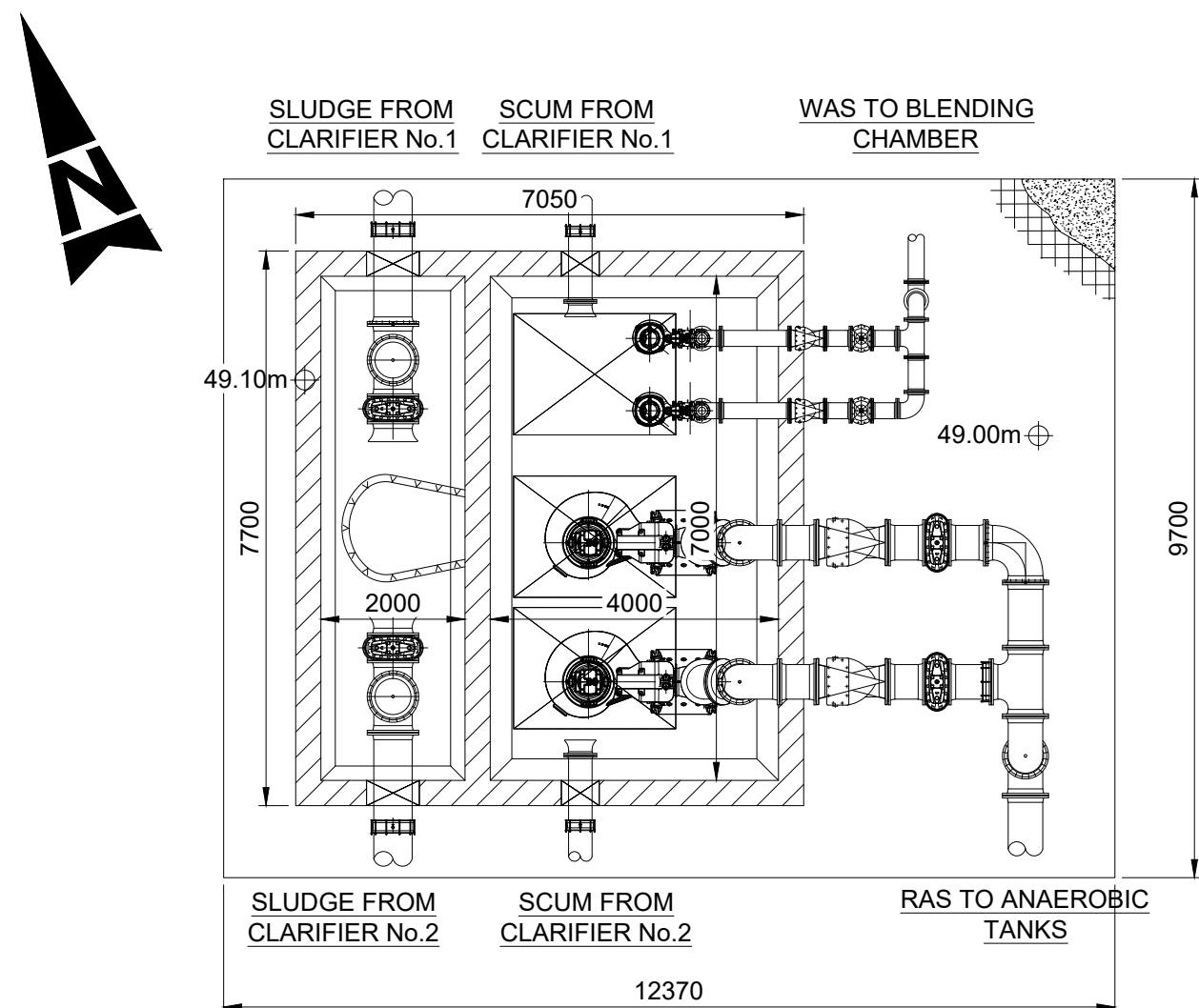
2 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



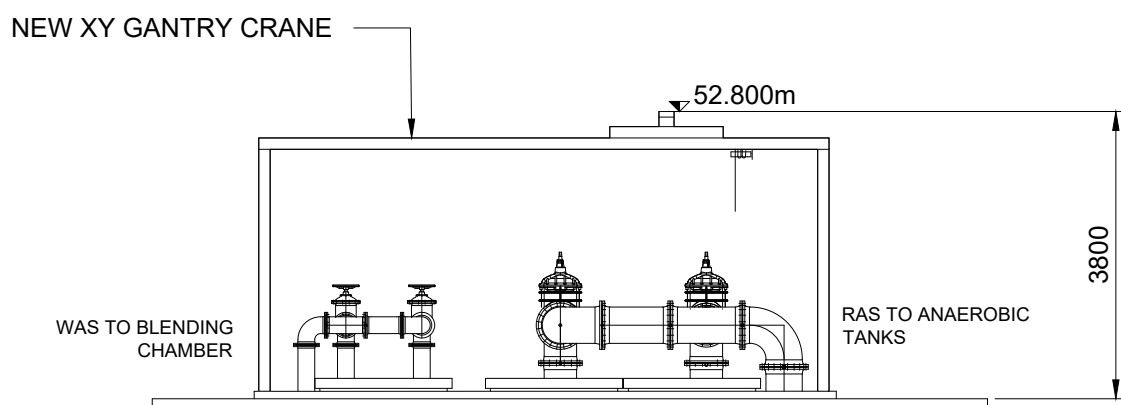
3 SECTION  
SCALE 1:100 @ A1



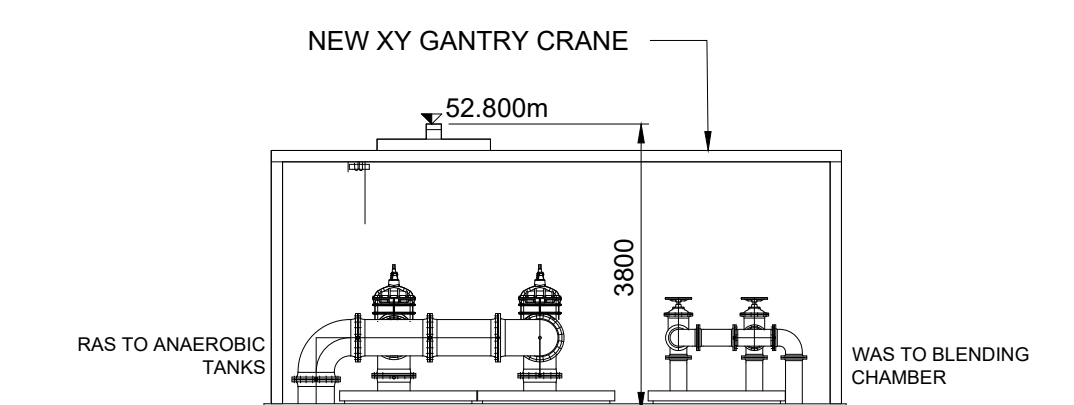
6 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



1 PLAN  
SCALE 1:100 @ A1



4 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



5 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1

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Purpose PLANNING

| Rev | Description | By  | Date     | Chk'd | Auth |
|-----|-------------|-----|----------|-------|------|
| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |

**AtkinsRéalis**  
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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

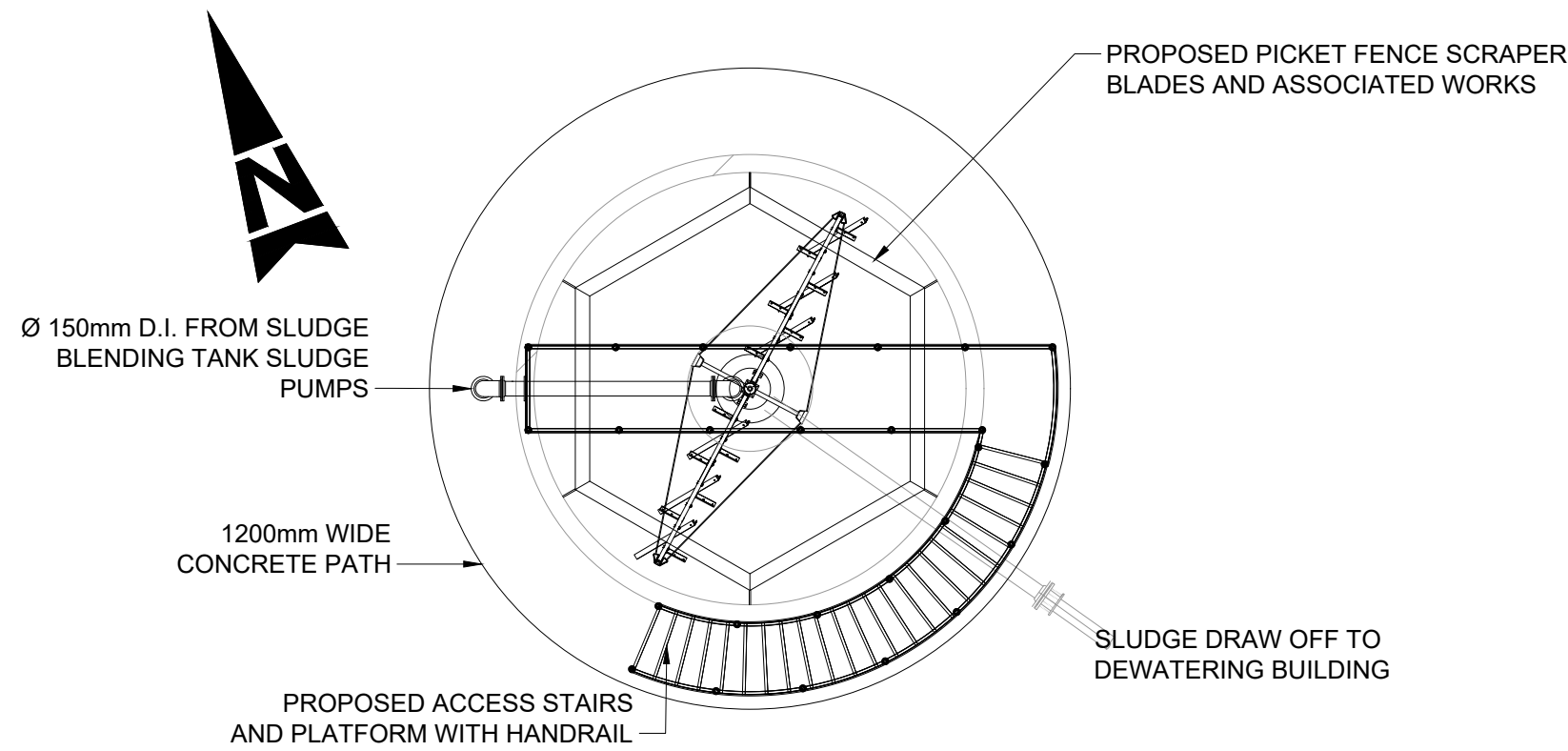
Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED RAS/WAS PUMP STATION

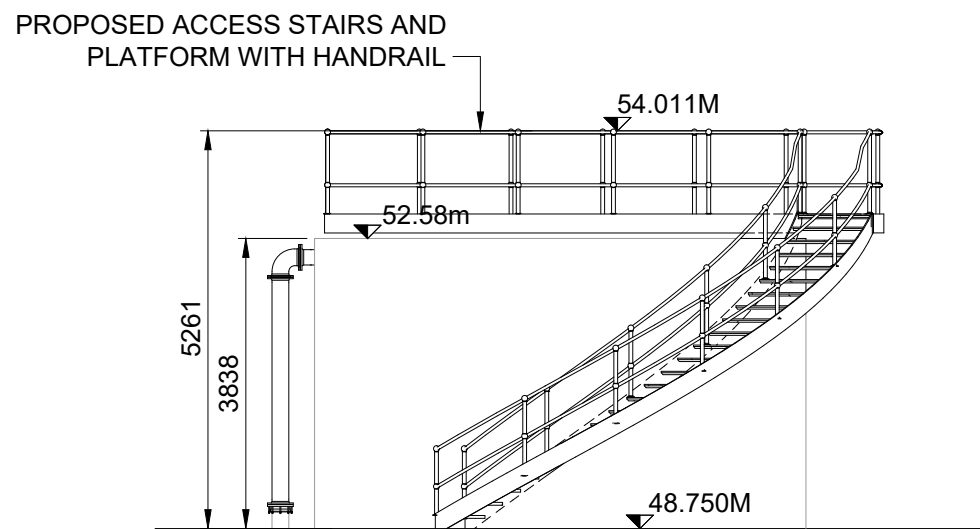
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|----------------|---------------|---------------|---------------|
| Original Scale | Design/Drawn  | Checked       | Authorised    |
| 1:100 @ A1     | AMQ           | KA            | FQ            |
|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5151 | 0   |

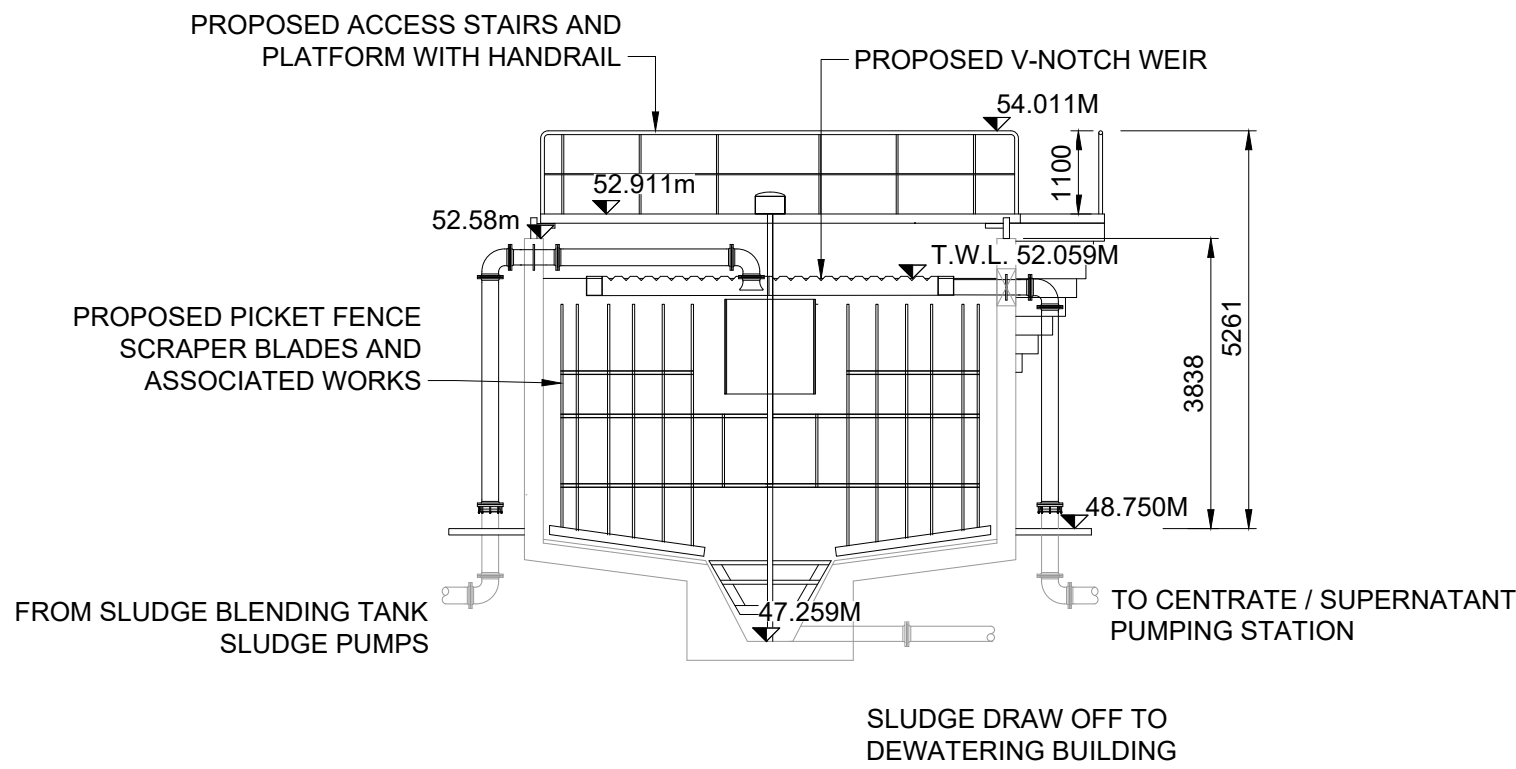




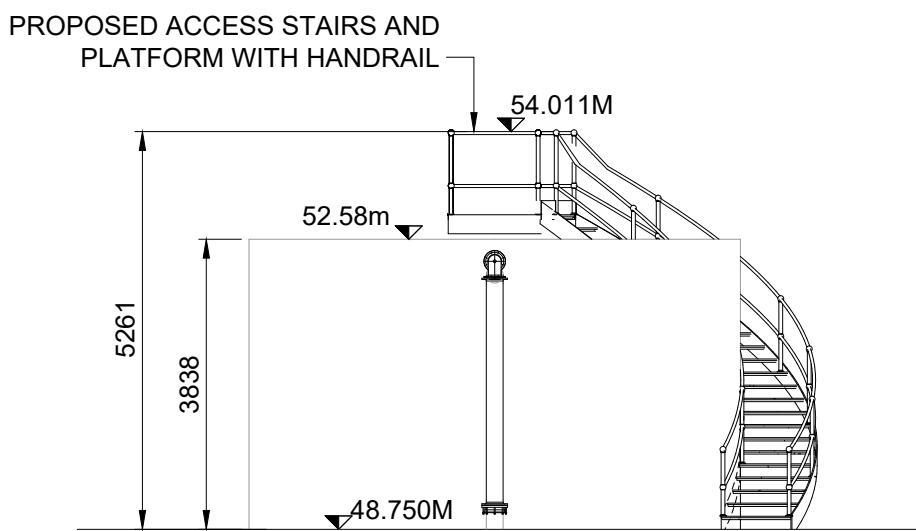
1 PLAN  
SCALE 1:100 @ A1



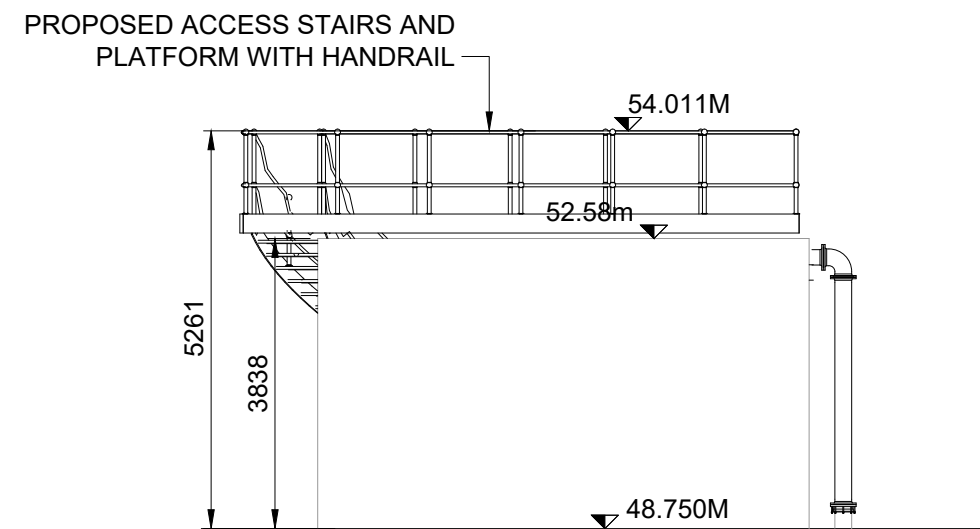
2 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



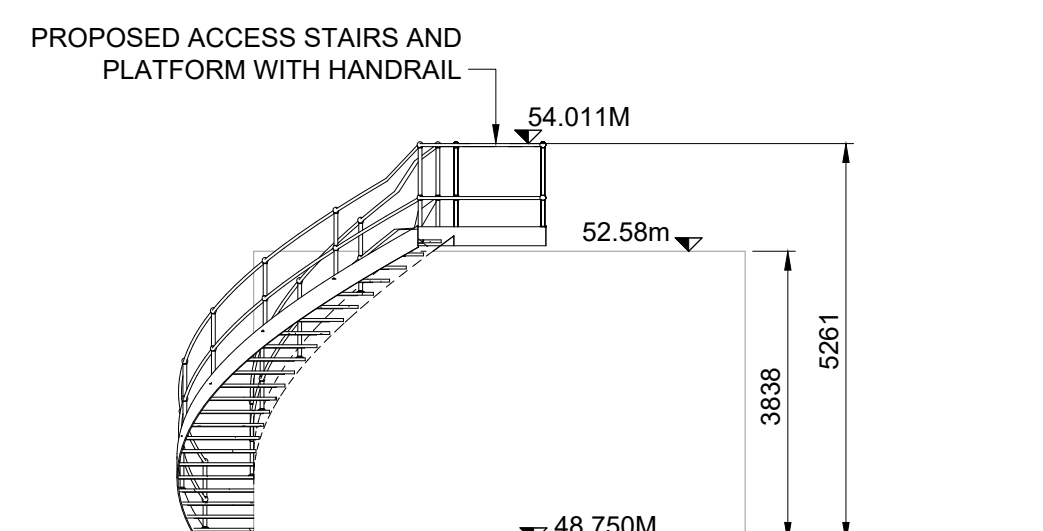
3 COMPOSITE SECTION  
SCALE 1:100 @ A1



5 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



4 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



6 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1

GENERAL NOTES:

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2. ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
3. ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

- EXISTING
- PROPOSED

Purpose

| PLANNING |  |  |  |  |
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| Rev | Description | By  | Date     | Chk'd | Auth |
|-----|-------------|-----|----------|-------|------|
| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |

**AtkinsRéalis**

DUBLIN | CORK | GALWAY | DUNDALK

ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,  
SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client

**Uisce Éireann**  
Irish Water

Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

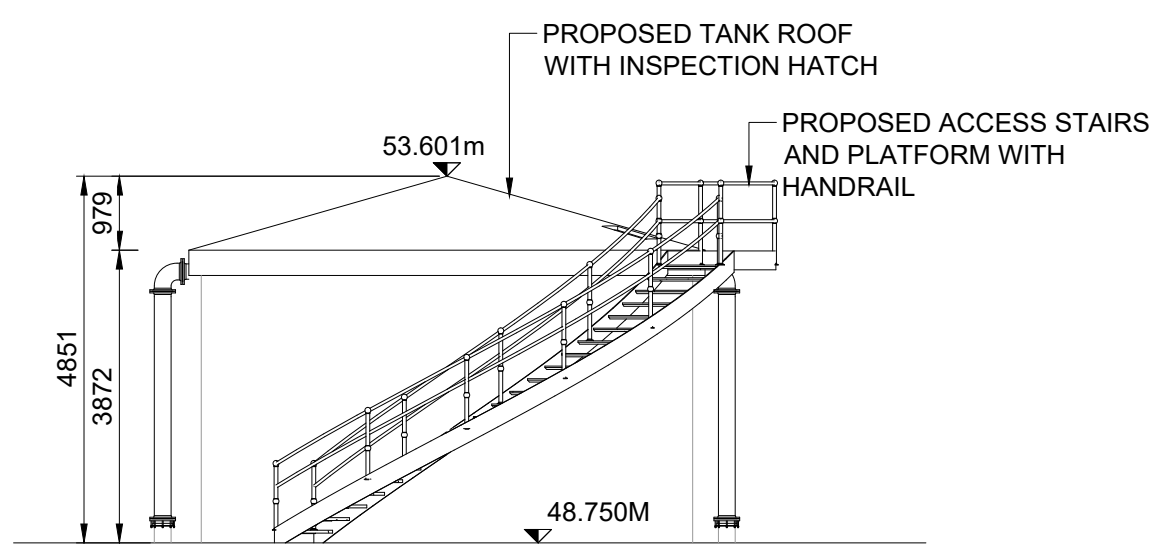
Title

PROPOSED MODIFICATIONS TO  
PICKET FENCE THICKENER  
PLAN, SECTION & ELEVATIONS

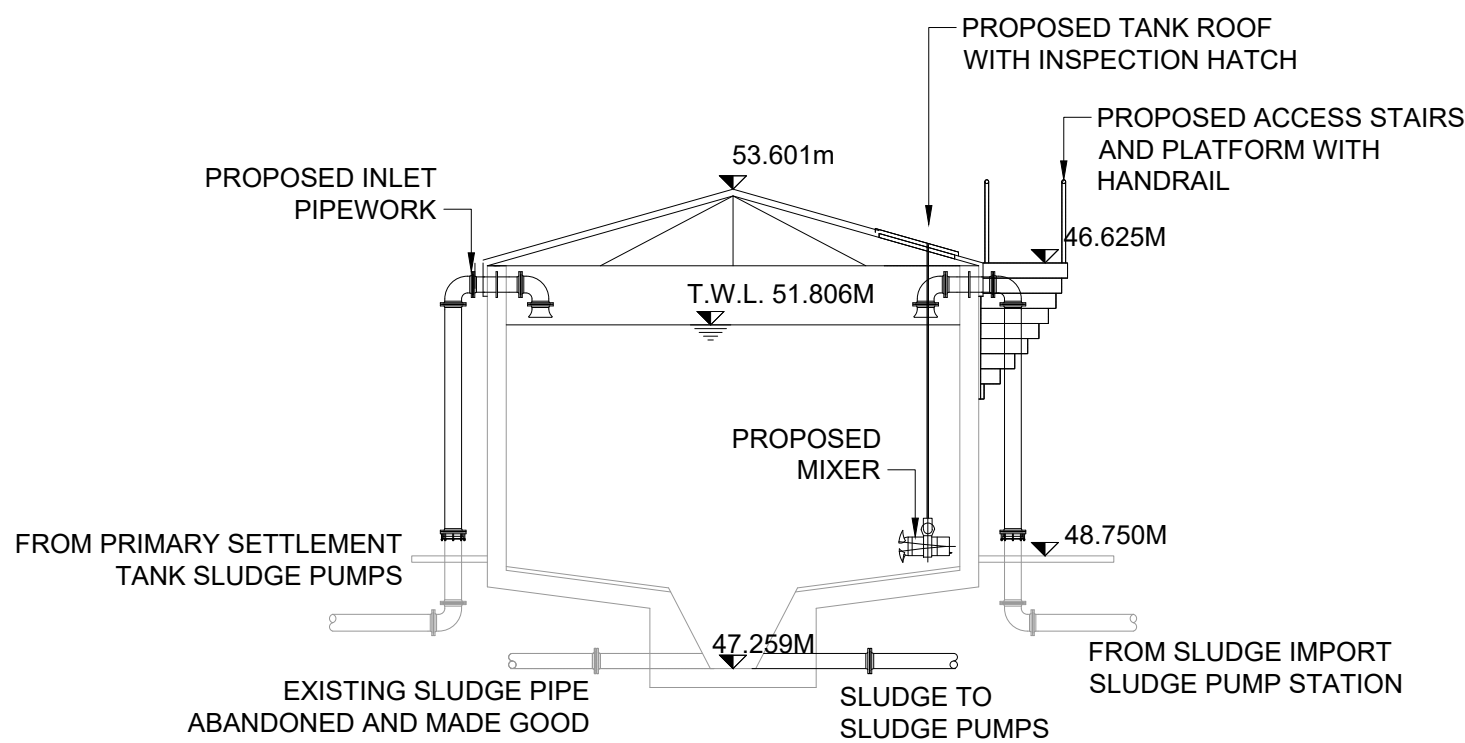
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|----------------------------------|---------------------|---------------|------------------|
| Original Scale<br><br>1:100 @ A1 | Design/Drawn<br>AMQ | Checked<br>KA | Authorised<br>FQ |
|                                  | Date 26.05.26       | Date 26.05.26 | Date 26.05.26    |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5152 | 0   |

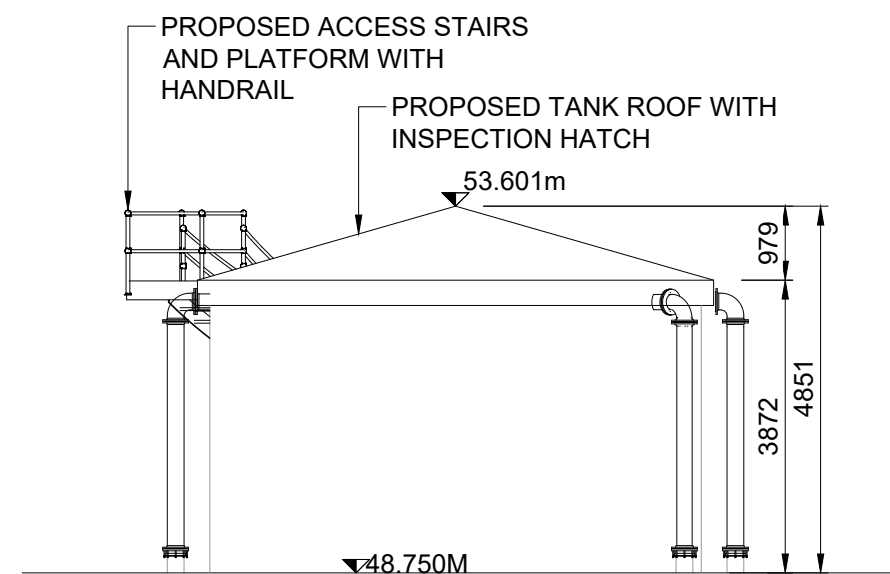




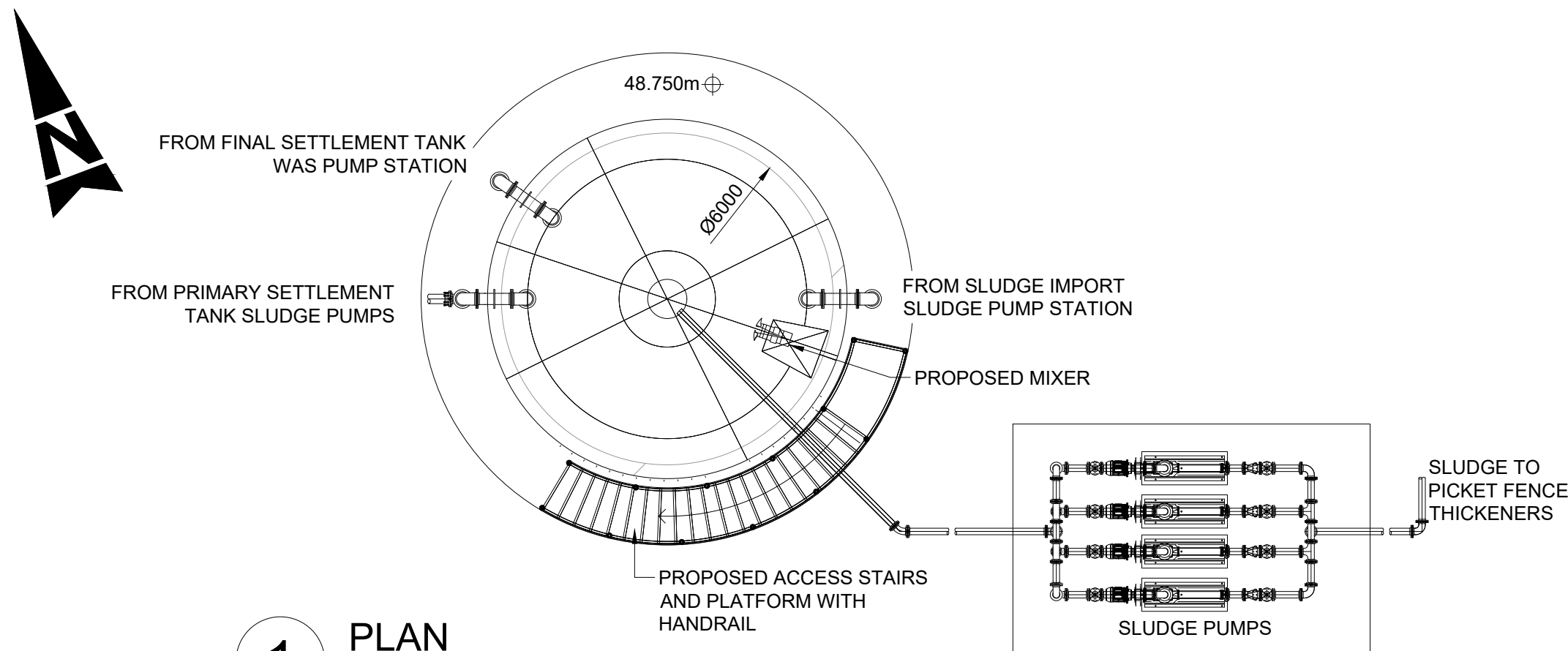
2 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



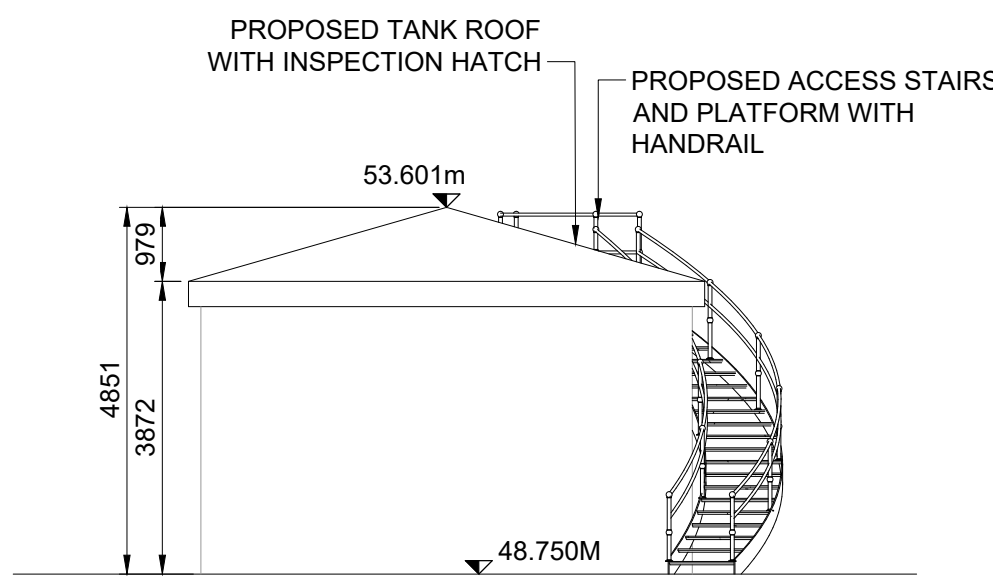
3 TYPICAL SECTION  
SCALE 1:100 @ A1



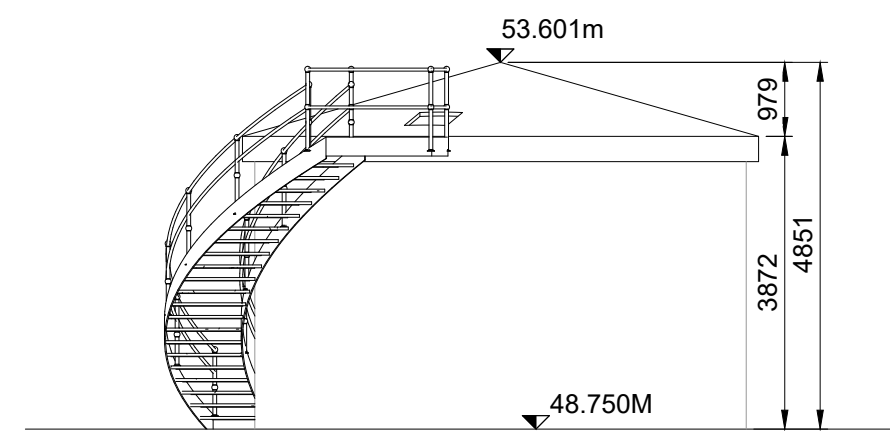
4 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



1 PLAN  
SCALE 1:100 @ A1



5 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



6 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1

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LEGEND :

EXISTING  
PROPOSED

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

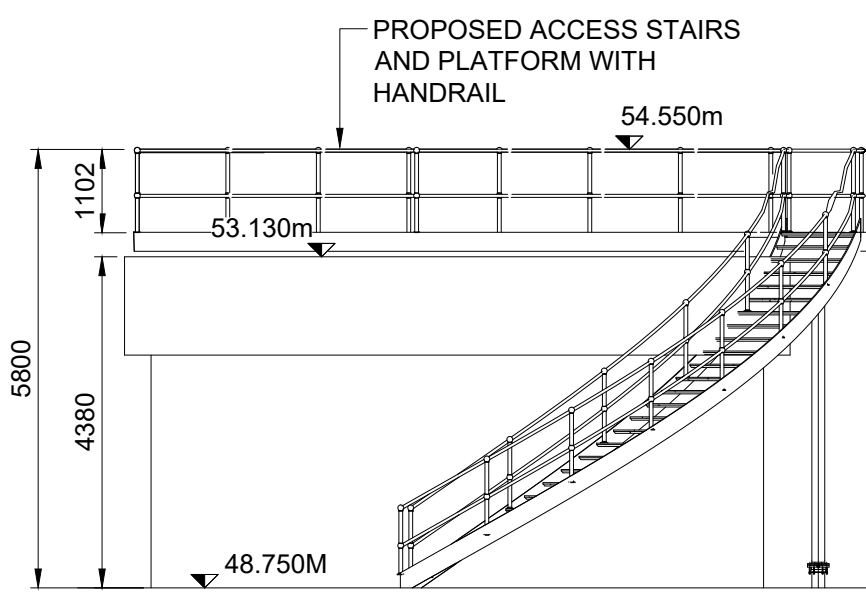
Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

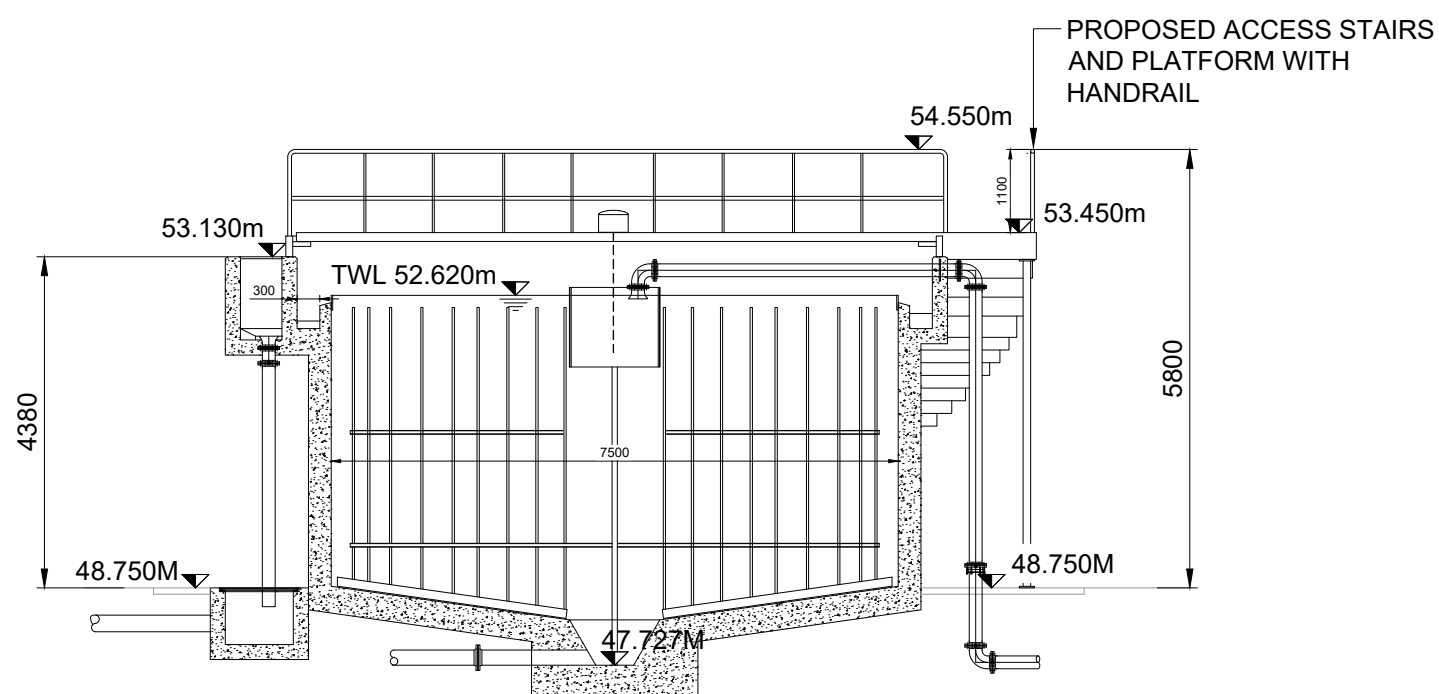
Title  
PROPOSED SLUDGE HOLDING TANK  
UPGRADE TO SLUDGE BLENDING TANK  
PLAN, SECTION & ELEVATIONS

|                |                         |                     |               |                  |
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| Original Scale |                         | Design/Drawn<br>AMQ | Checked<br>KA | Authorised<br>FQ |
| 1:100 @ A1     |                         | Date 26.05.26       | Date 26.05.26 | Date 26.05.26    |
| Status         | Drawing Number          |                     |               | Rev              |
| P              | 5161805_EWE_DR_MOR_5153 |                     |               | 0                |

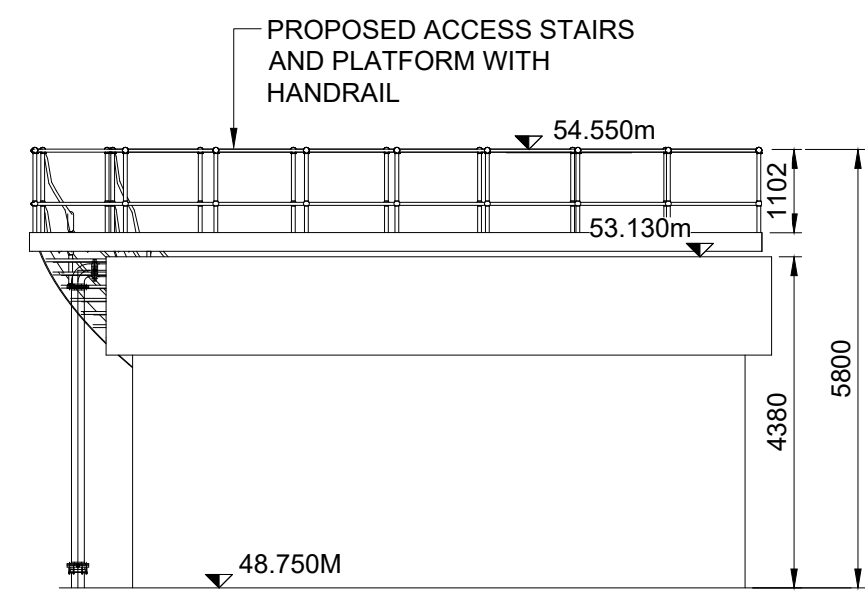




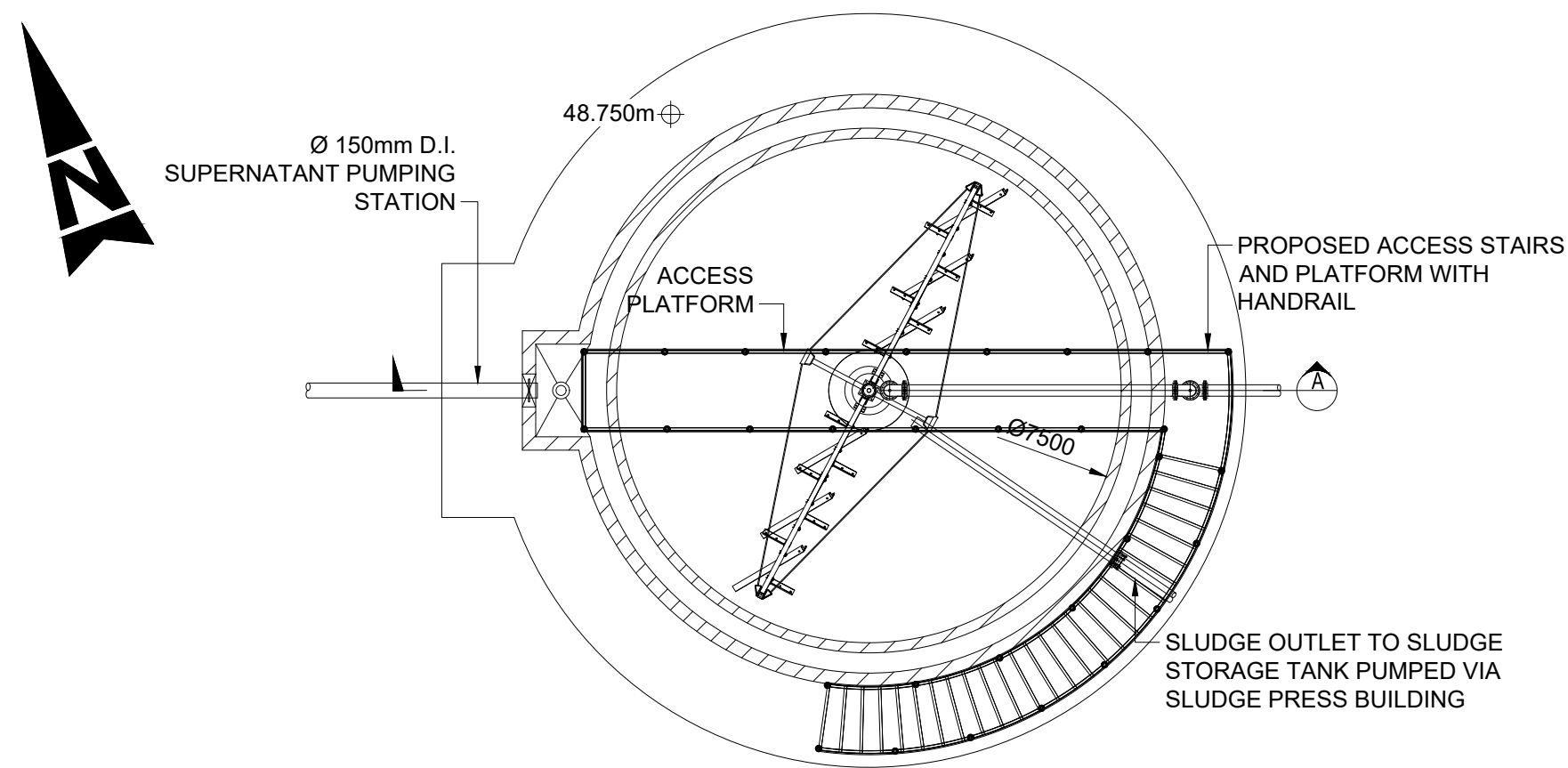
2 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



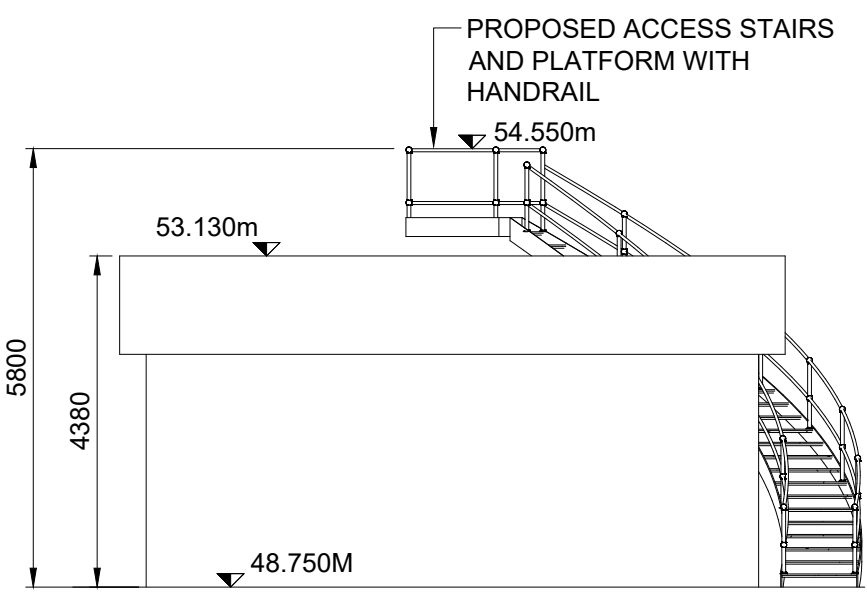
3 SECTION A  
SCALE 1:100 @ A1



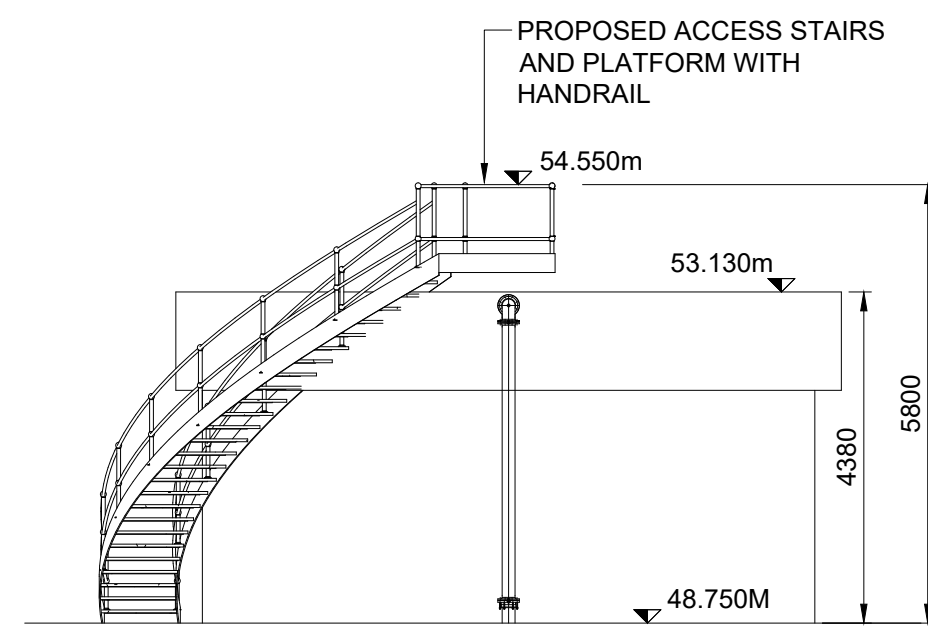
3 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



1 PLAN  
SCALE 1:100 @ A1



5 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



6 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1

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Purpose PLANNING

| Rev | Description | By  | Date     | Chk'd | Auth |
|-----|-------------|-----|----------|-------|------|
| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

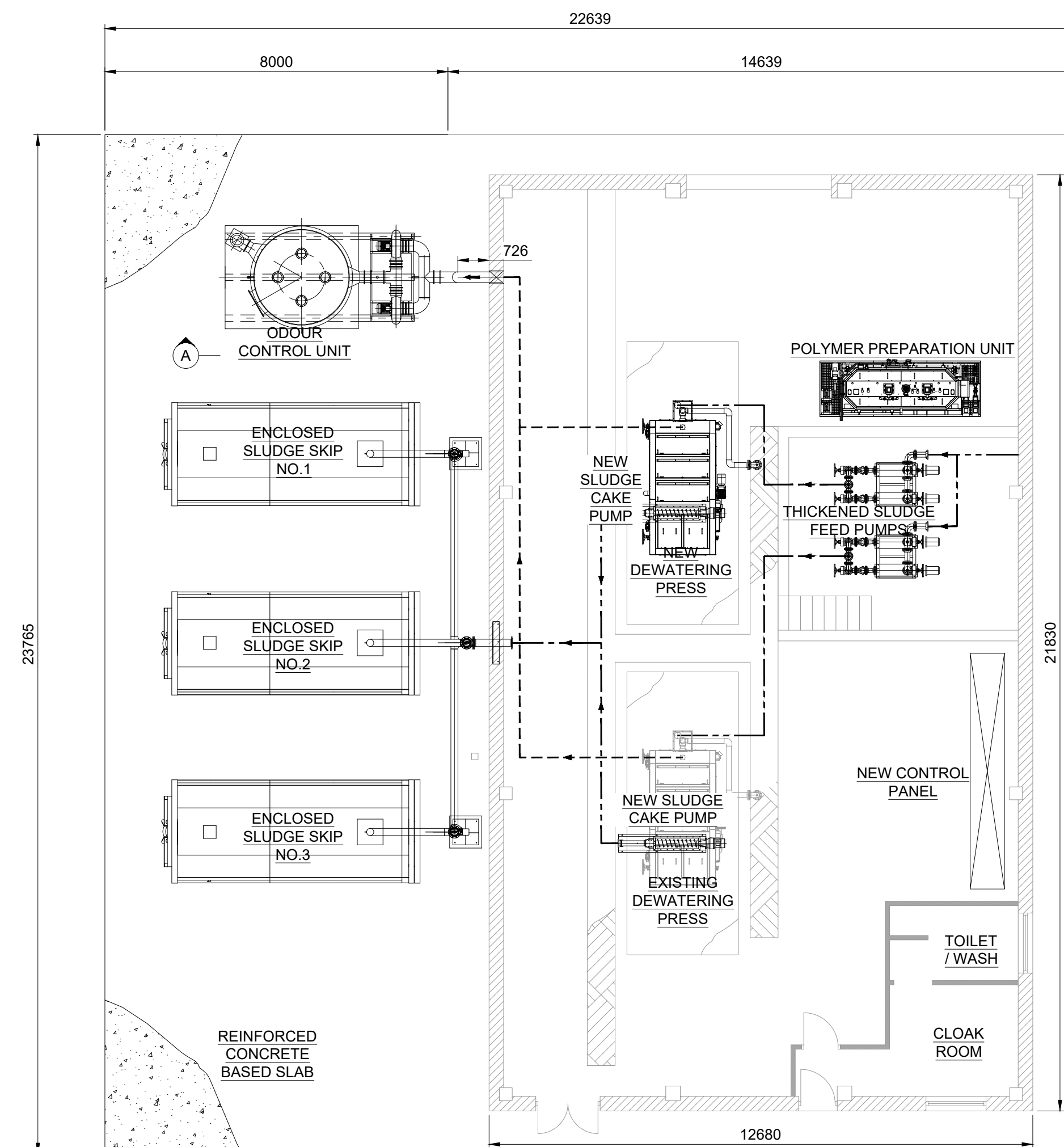
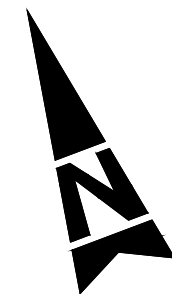
Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED PICKET FENCE THICKENER  
PLAN, SECTION & ELEVATIONS

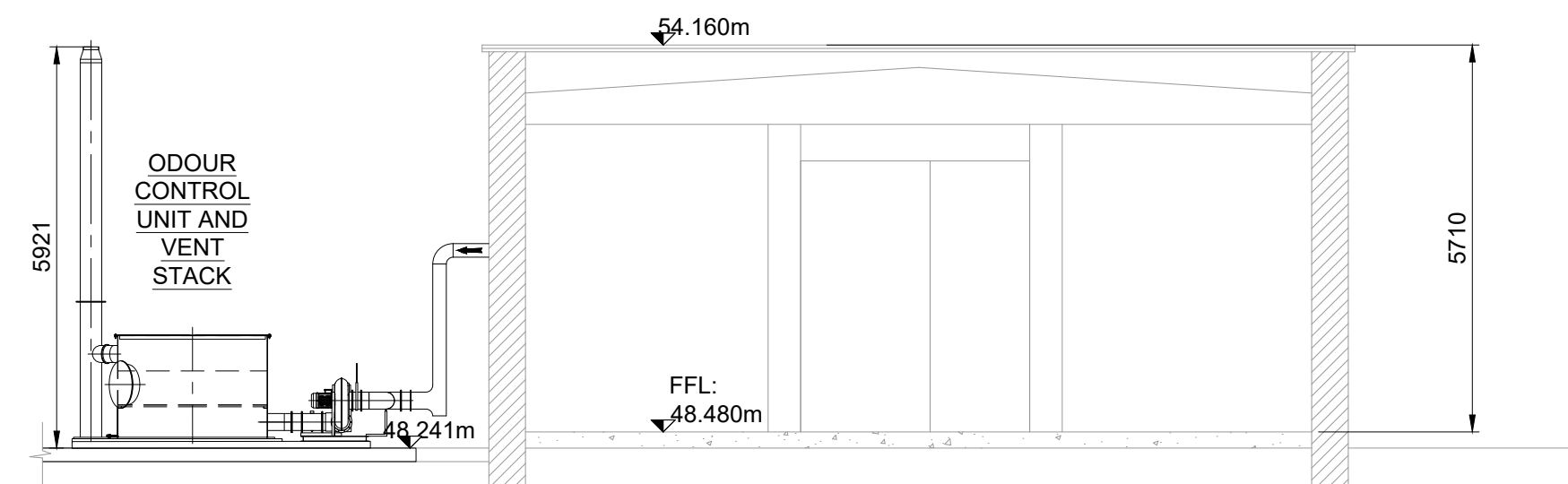
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| Original Scale | Design/Drawn  | Checked       | Authorised    |
| 1:100 @ A1     | AMQ           | KA            | FQ            |
|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5154 | 0   |





1 PLAN (EXISTING FLOOR AREA 250m²)  
SCALE 1:100 @ A1



2 SECTION A  
SCALE 1:100 @ A1

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LEGEND :

- EXISTING  
— PROPOSED

Purpose PLANNING

| Rev | Description | By  | Date     | Chk'd | Auth |
|-----|-------------|-----|----------|-------|------|
| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

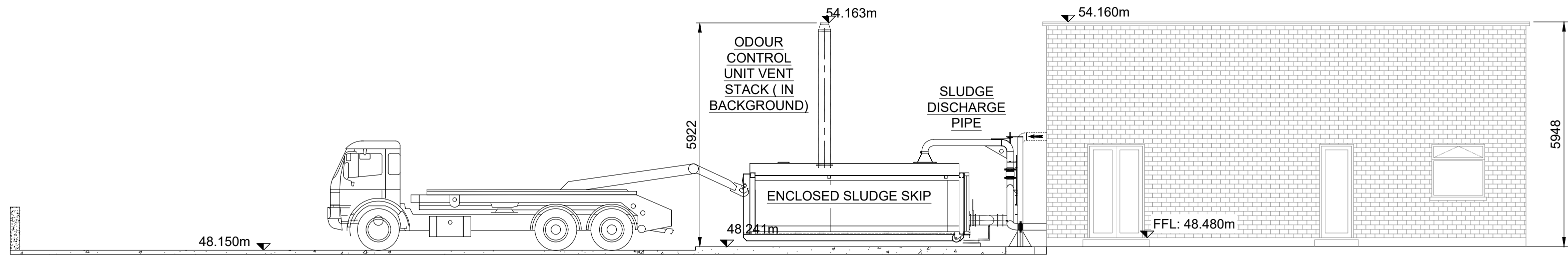
Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

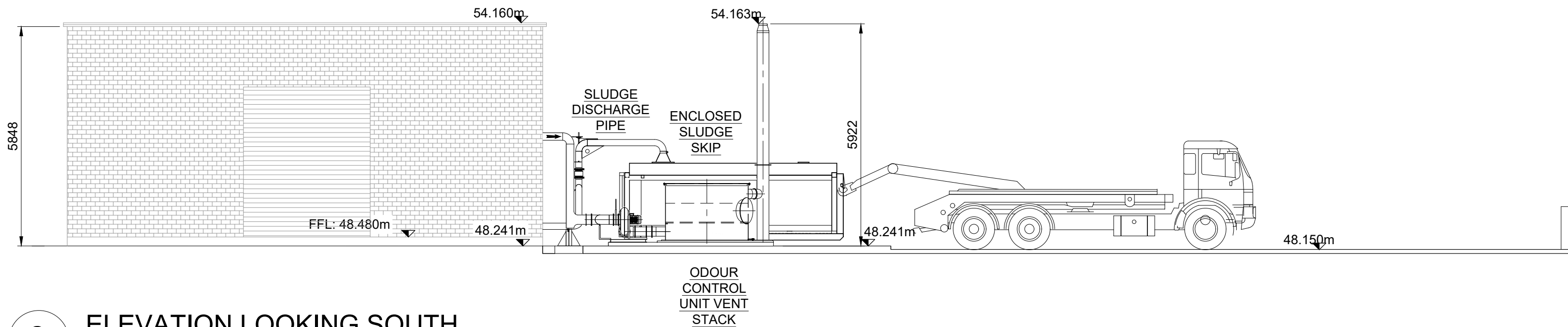
Title  
PROPOSED MODIFICATIONS TO SLUDGE  
DEWATERING BUILDING  
PLAN & SECTION

| Original   | Scale                   | Design/Drawn | Checked  | Authorised |
|------------|-------------------------|--------------|----------|------------|
| 1:100 @ A1 | AMQ                     | KA           | FQ       |            |
| Status     | Drawing Number          | Rev          | Date     | Date       |
| P          | 5161805_EWE_DR_MOR_5155 | 0            | 26.05.26 | 26.05.26   |

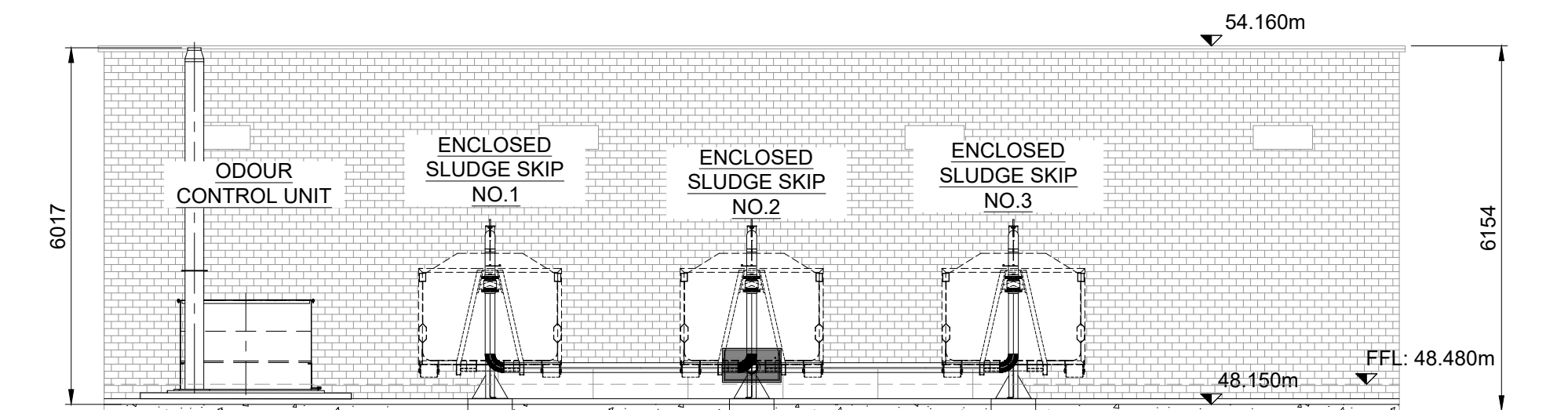




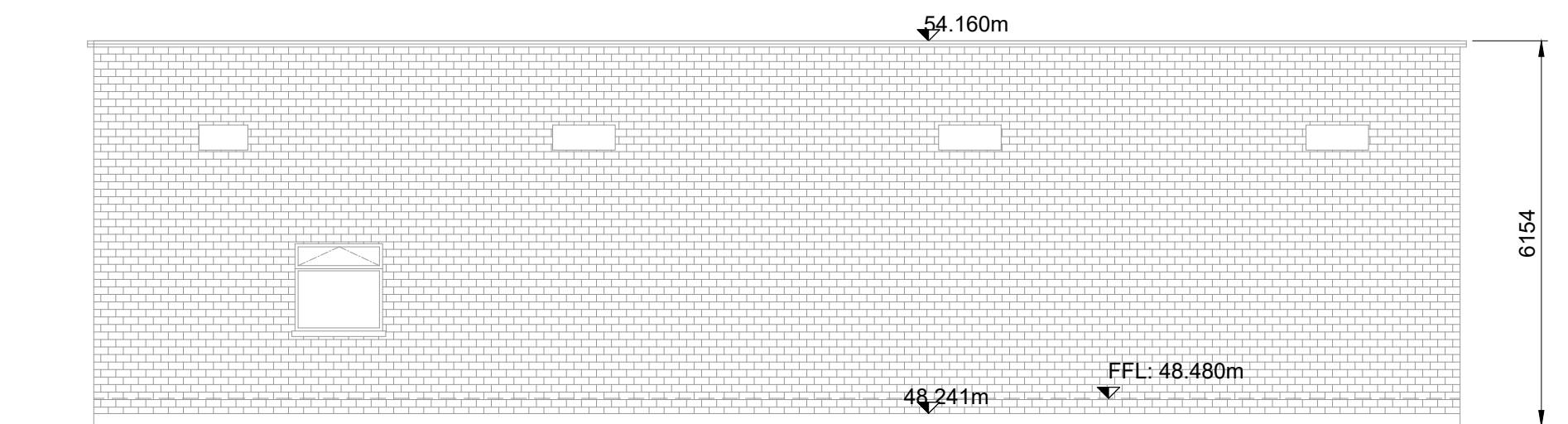
1 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



2 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



3 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



4 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1

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LEGEND :

- EXISTING  
PROPOSED

Purpose PLANNING

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| Rev | Description | By | Date | Chk'd | Auth |
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Client



Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

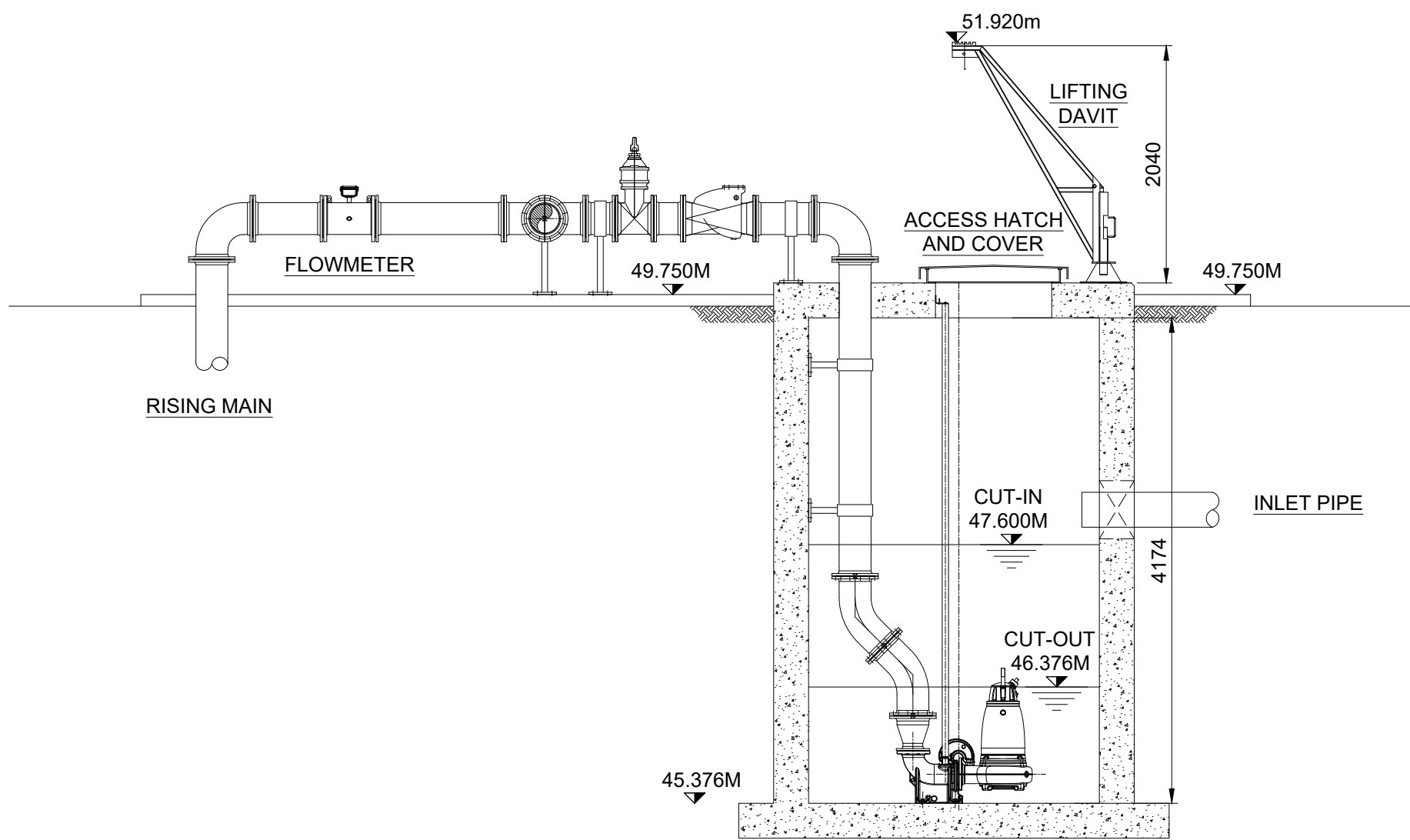
Title  
PROPOSED MODIFICATIONS TO SLUDGE  
DEWATERING BUILDING  
ELEVATIONS

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| Original Scale | Design/Drawn | Checked | Authorised |
| 1:100 @ A1     | AMQ          | KA      | FQ         |
| Date           | 26.05.26     | Date    | 26.05.26   |

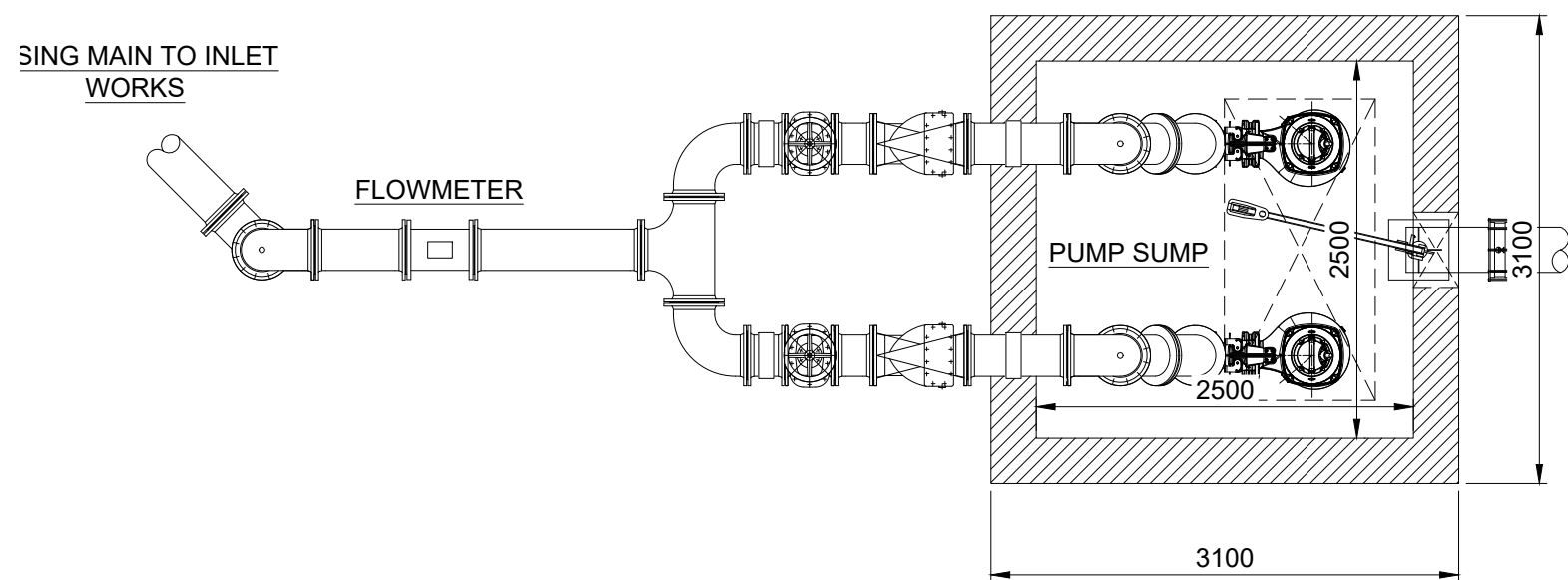
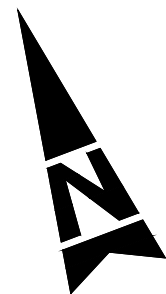
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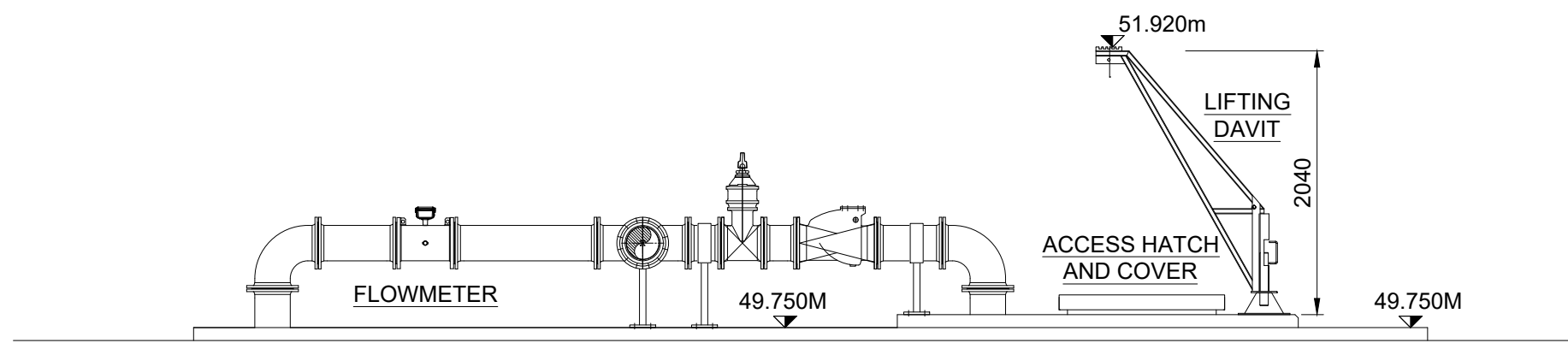
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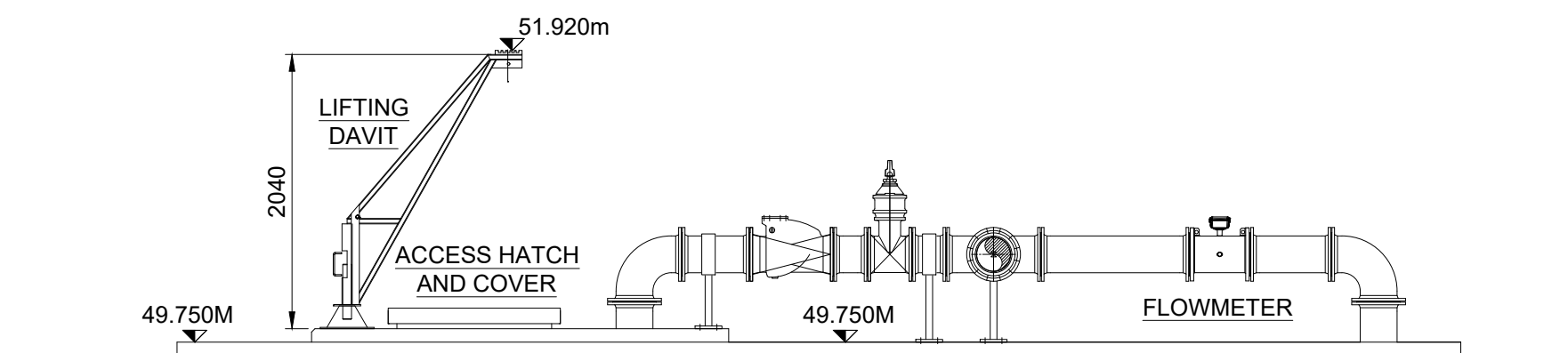
2 FOUL PUMP STATION - SECTION  
SCALE 1:50 @ A1



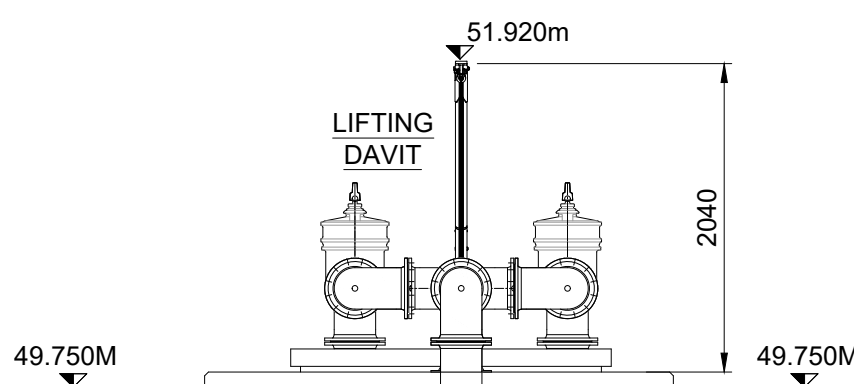
1 FOUL PUMP STATION - PLAN  
SCALE 1:50 @ A1



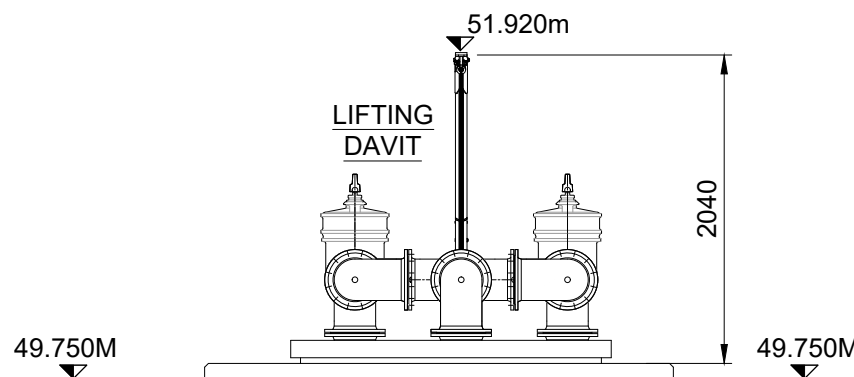
3 ELEVATION LOOKING NORTH  
SCALE 1:50 @ A1



4 ELEVATION LOOKING SOUTH  
SCALE 1:50 @ A1



5 ELEVATION LOOKING EAST  
SCALE 1:50 @ A1



6 ELEVATION LOOKING WEST  
SCALE 1:50 @ A1

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Purpose PLANNING

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0 PLANNING AMQ 26.05.26 KA FQ

| Rev | Description | By | Date | Chk'd | Auth |
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Client



Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

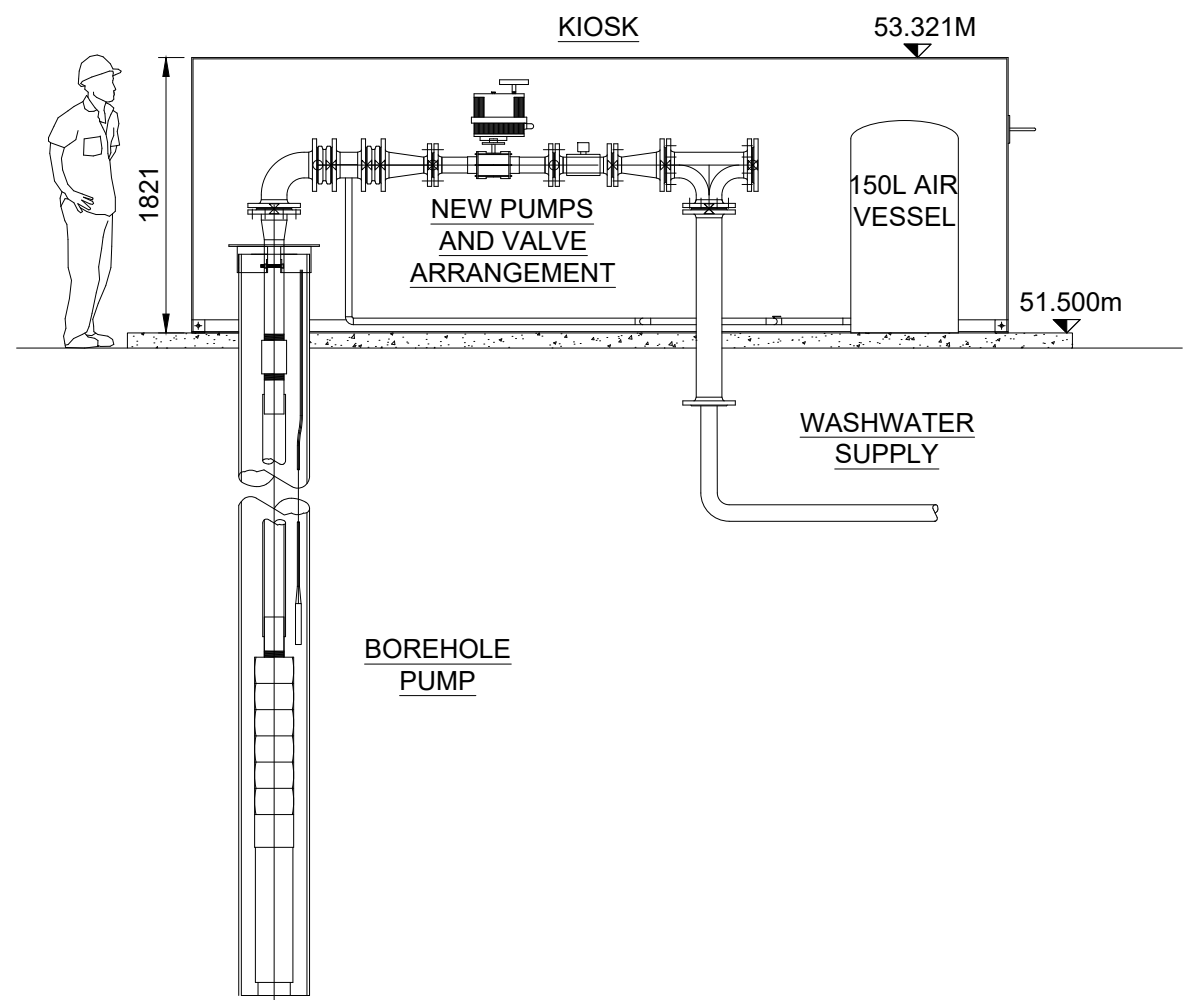
Title

PROPOSED FOUL PUMP STATION  
(FOR LOCAL AGGLOMERATION)  
PLAN, SECTION & ELEVATIONS

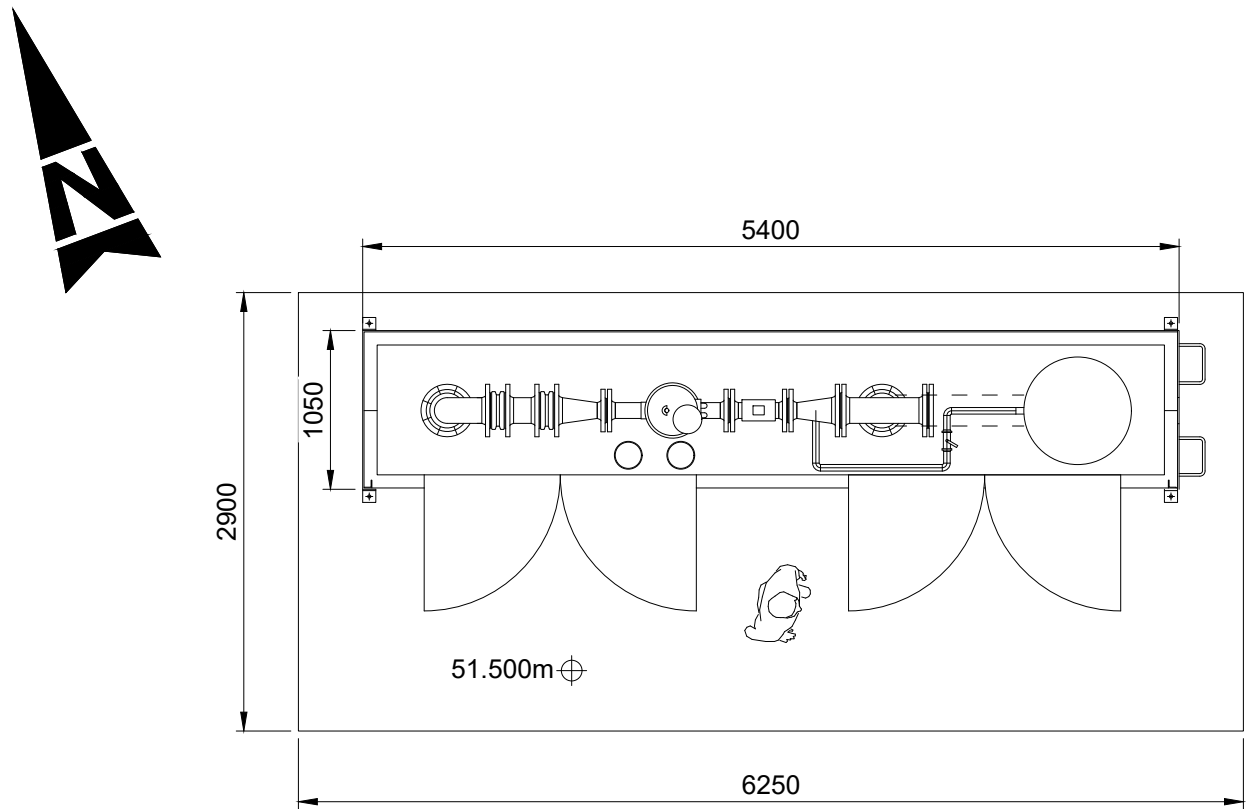
| Original  | Scale    | Design/Drawn | Checked  | Authorised |
|-----------|----------|--------------|----------|------------|
| 1:50 @ A1 | AMQ      | KA           | FQ       |            |
| Date      | 26.05.26 | Date         | 26.05.26 | Date       |
| 26.05.26  |          | 26.05.26     |          | 26.05.26   |

| Status | Drawing Number          | Rev |
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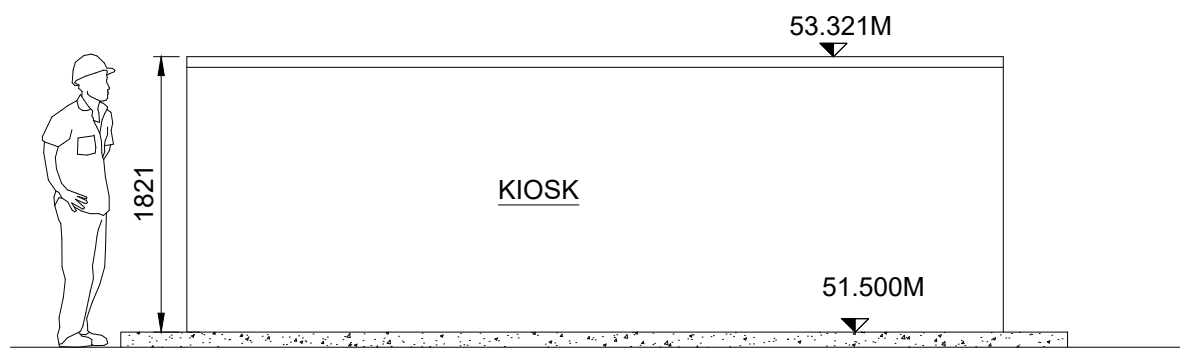




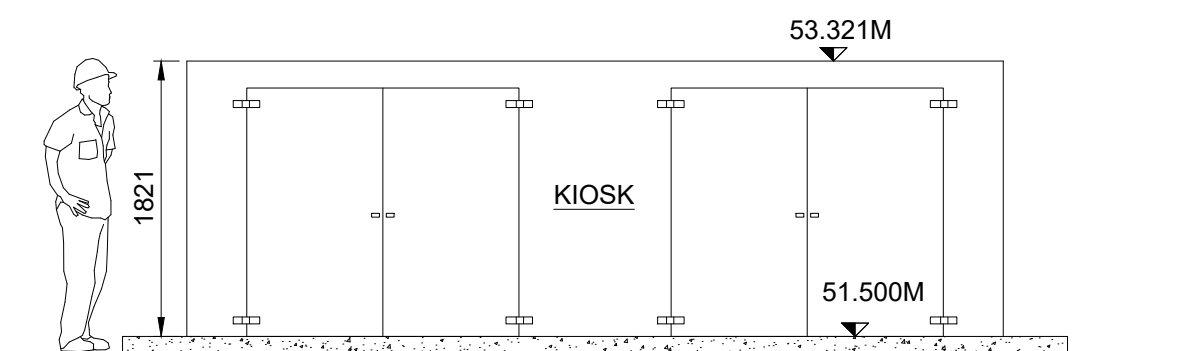
2 TYPICAL SECTION  
SCALE 1:50 @ A1



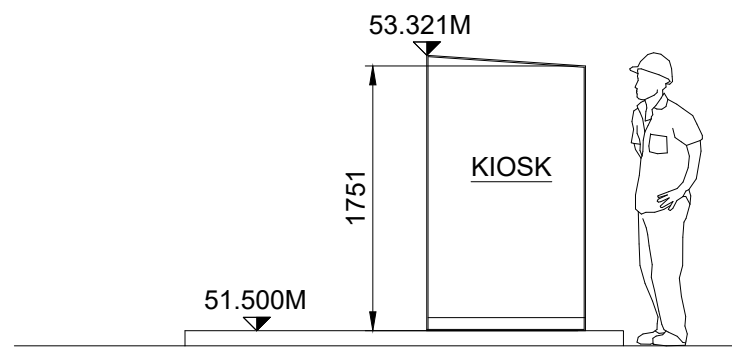
1 PLAN (FLOOR AREA 5.4m²)  
SCALE 1:50 @ A1



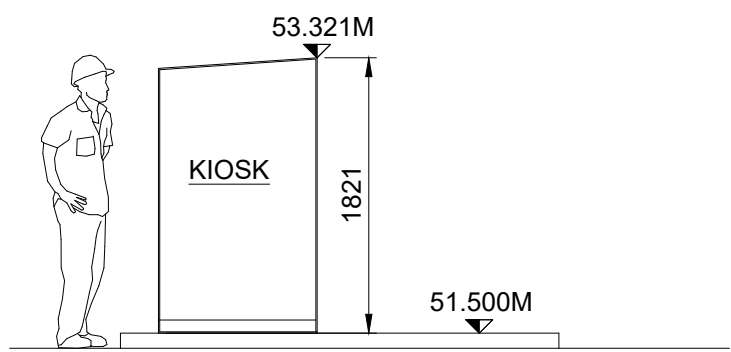
3 ELEVATION LOOKING NORTH  
SCALE 1:50 @ A1



4 ELEVATION LOOKING SOUTH  
SCALE 1:50 @ A1



5 ELEVATION LOOKING EAST  
SCALE 1:50 @ A1



6 ELEVATION LOOKING WEST  
SCALE 1:50 @ A1

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Purpose PLANNING

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| 0 | PLANNING | AMQ | 26.05.26 | KA | FQ |
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| Rev | Description | By | Date | Chk'd | Auth |
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Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

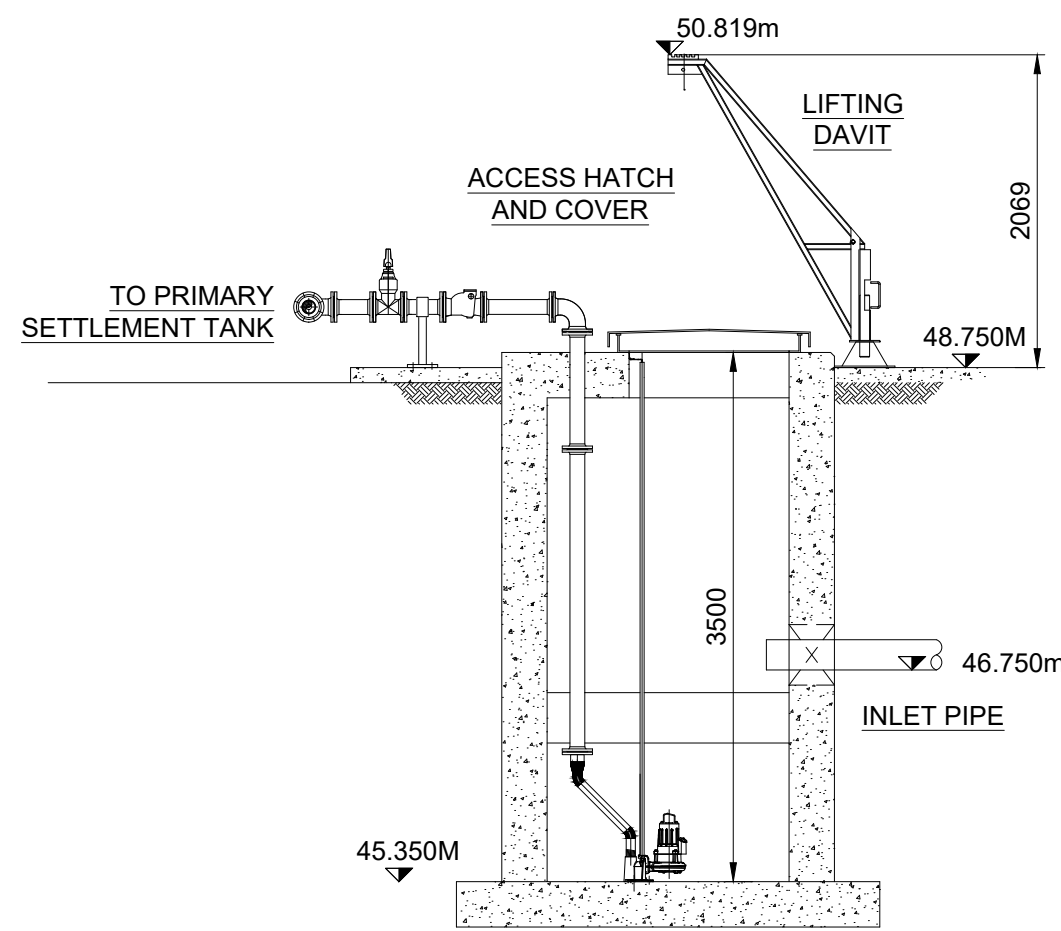
Title

PROPOSED CLEAN WASHWATER BOREHOLE  
& SUPPLY KIOSK  
PLAN, SECTION & ELEVATIONS

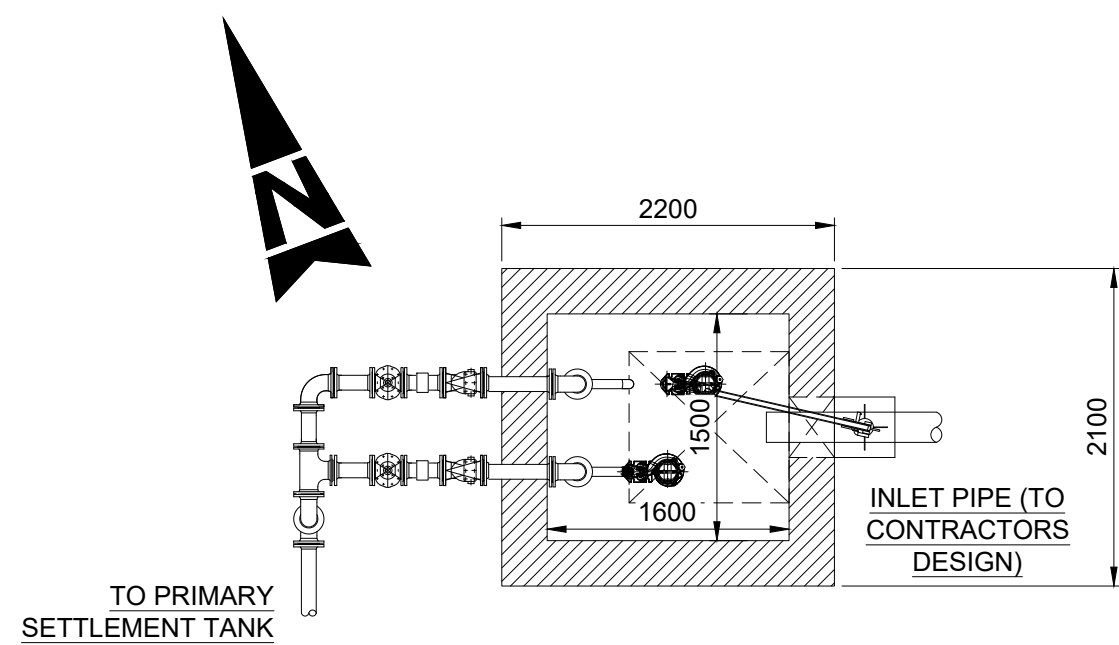
| Original           | Design/Drawn         | Checked             | Authorised          |
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| Scale<br>1:50 @ A1 | AMQ<br>Date 26.05.26 | KA<br>Date 26.05.26 | FQ<br>Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5158 | 0   |

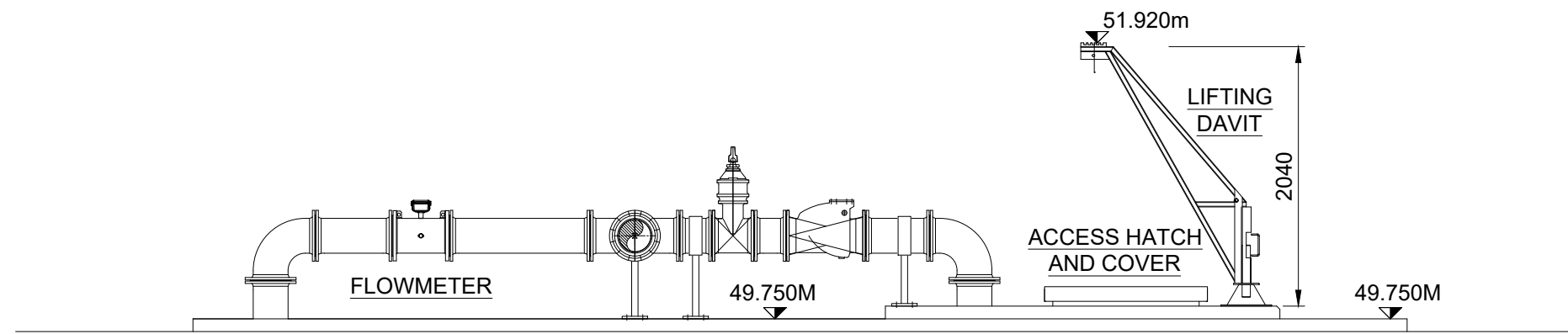




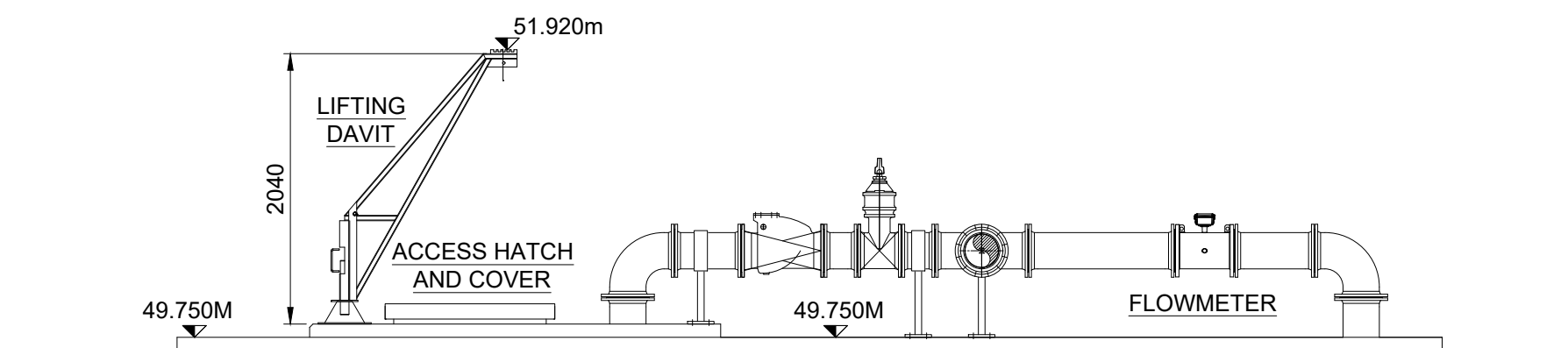
2 TYPICAL SECTION  
SCALE 1:50 @ A1



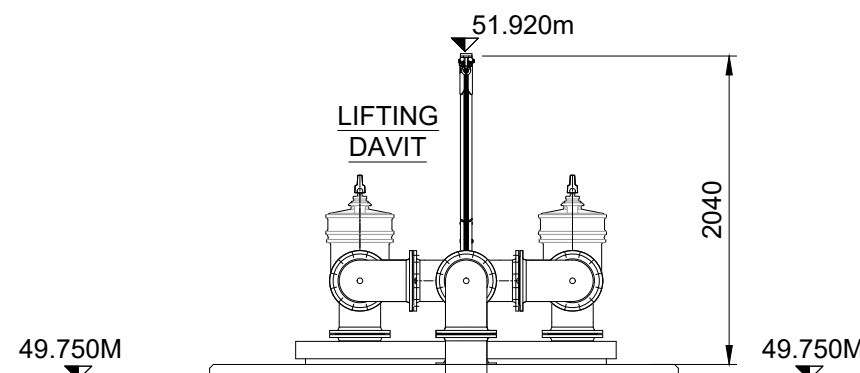
1 PLAN  
SCALE 1:50 @ A1



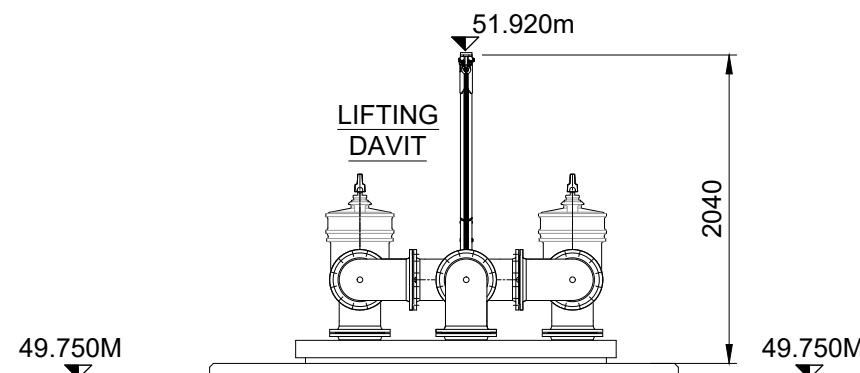
3 ELEVATION LOOKING NORTH  
SCALE 1:50 @ A1



4 ELEVATION LOOKING SOUTH  
SCALE 1:50 @ A1



5 ELEVATION LOOKING EAST  
SCALE 1:50 @ A1



6 ELEVATION LOOKING WEST  
SCALE 1:50 @ A1

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Purpose PLANNING

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| 0 | PLANNING | AMQ | 26.05.26 | KA | FQ |
|---|----------|-----|----------|----|----|

| Rev | Description | By | Date | Chk'd | Auth |
|-----|-------------|----|------|-------|------|
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**AtkinsRéalis**

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ATKINS HOUSE, 150 AIRSIDE BUSINESS PARK,  
SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client

**Uisce Éireann**  
Irish Water

Project

MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

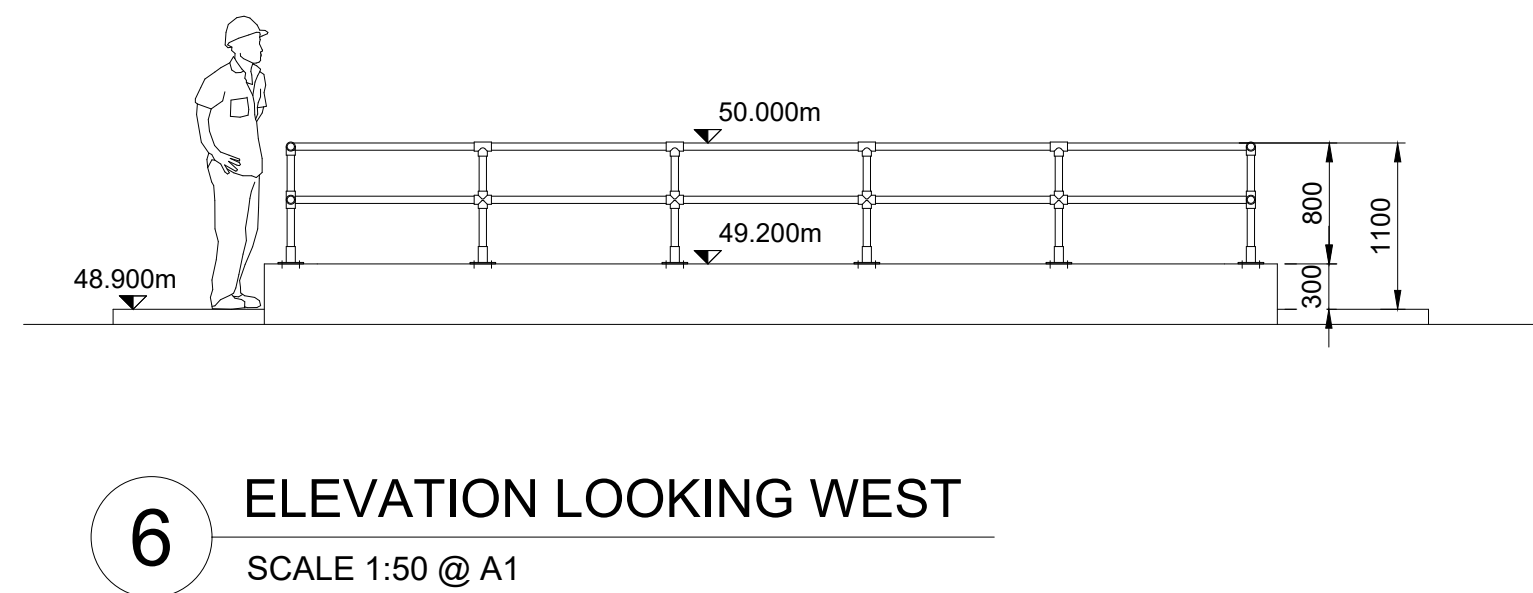
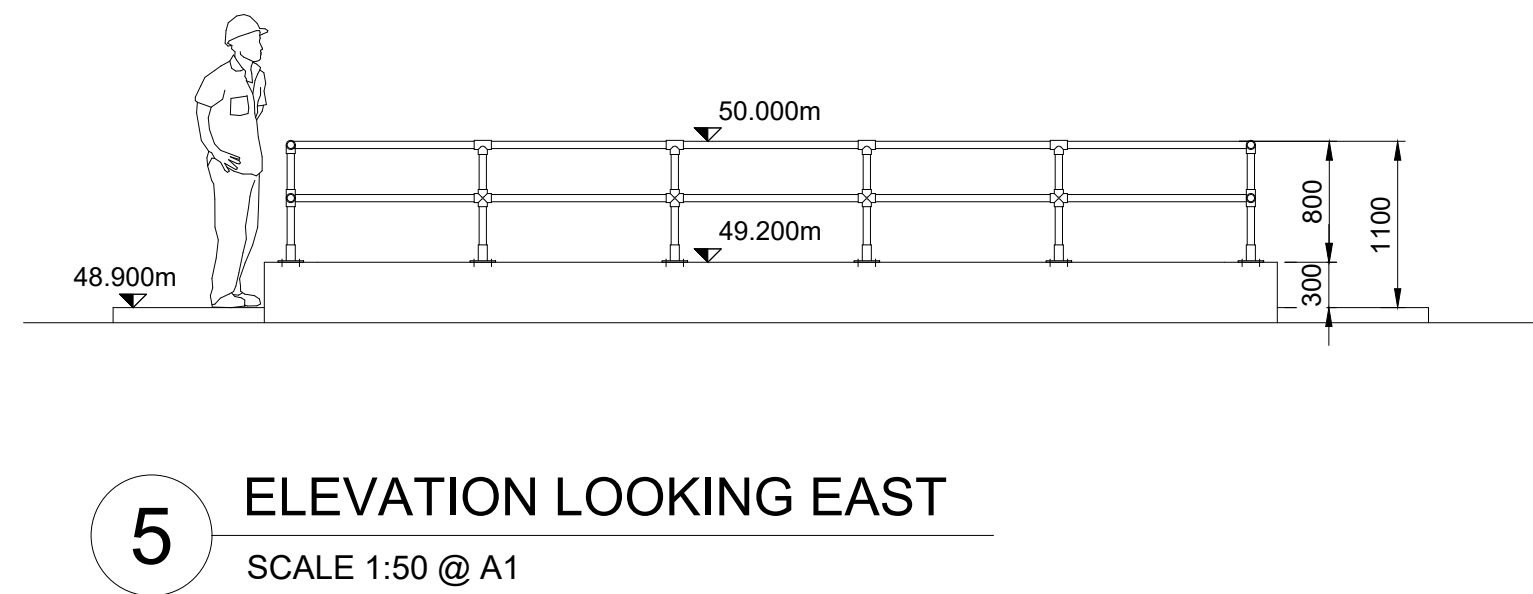
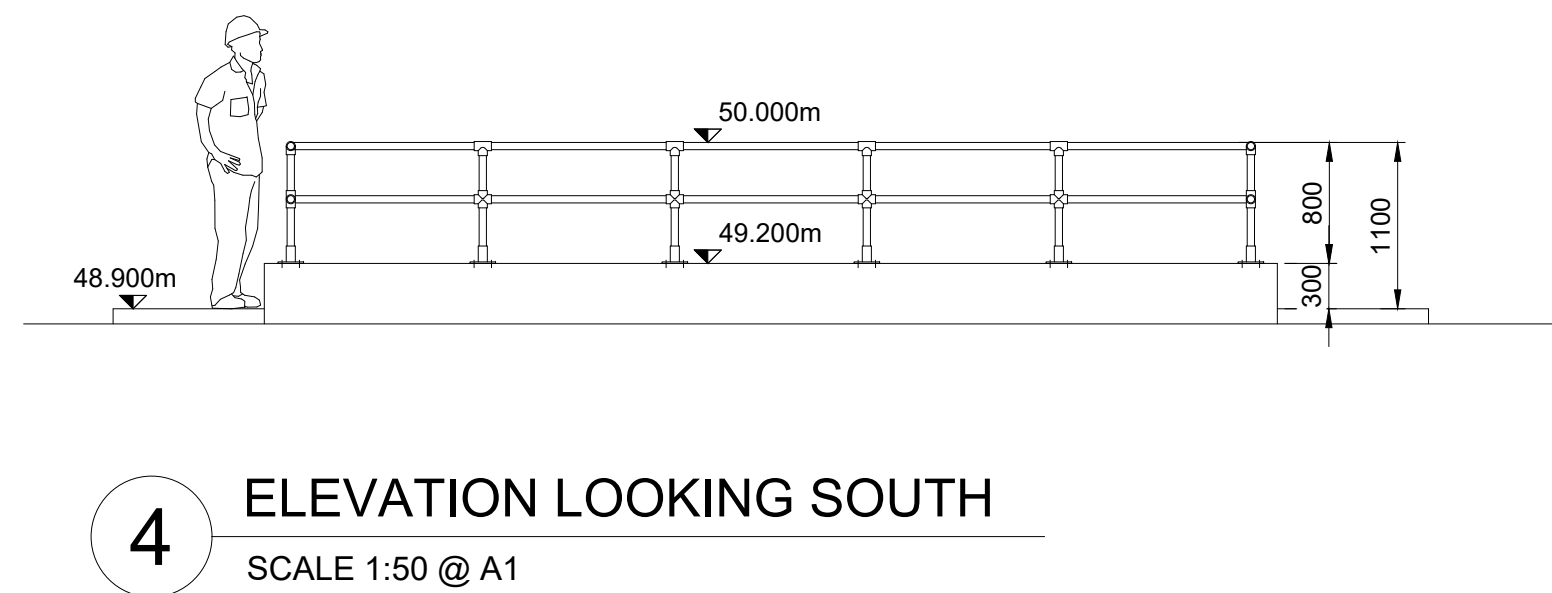
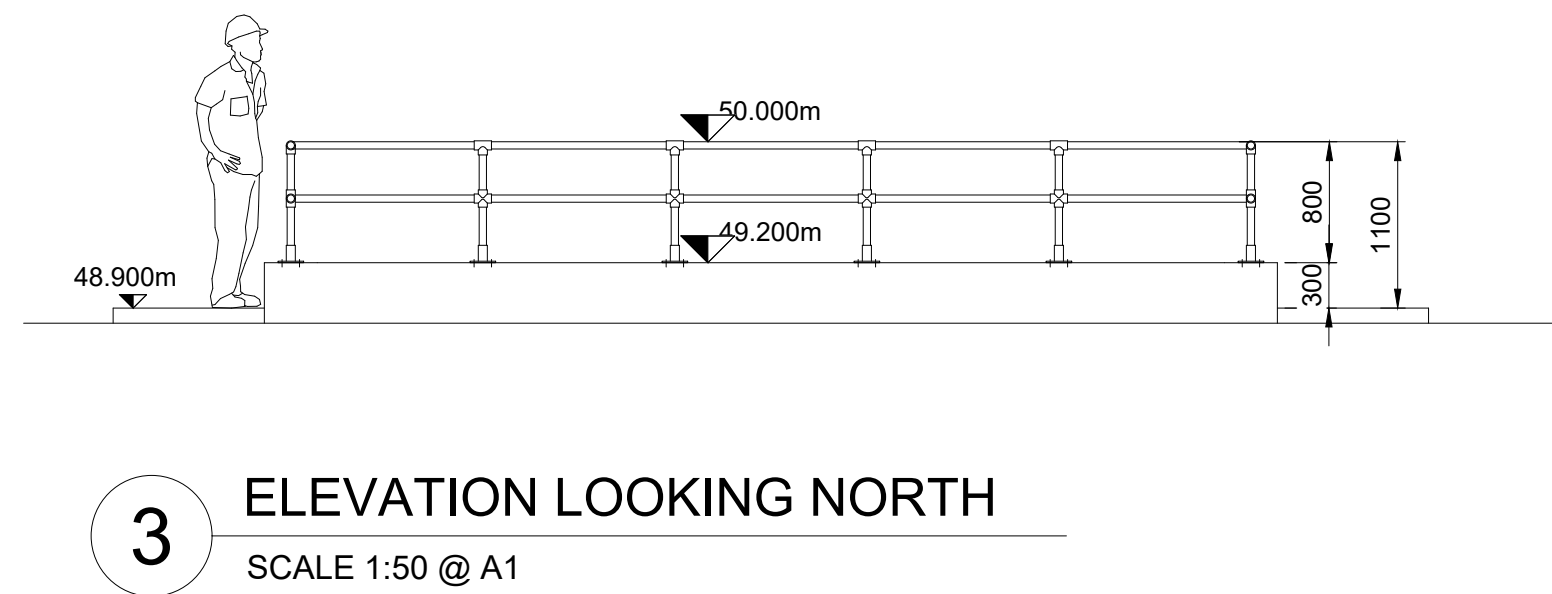
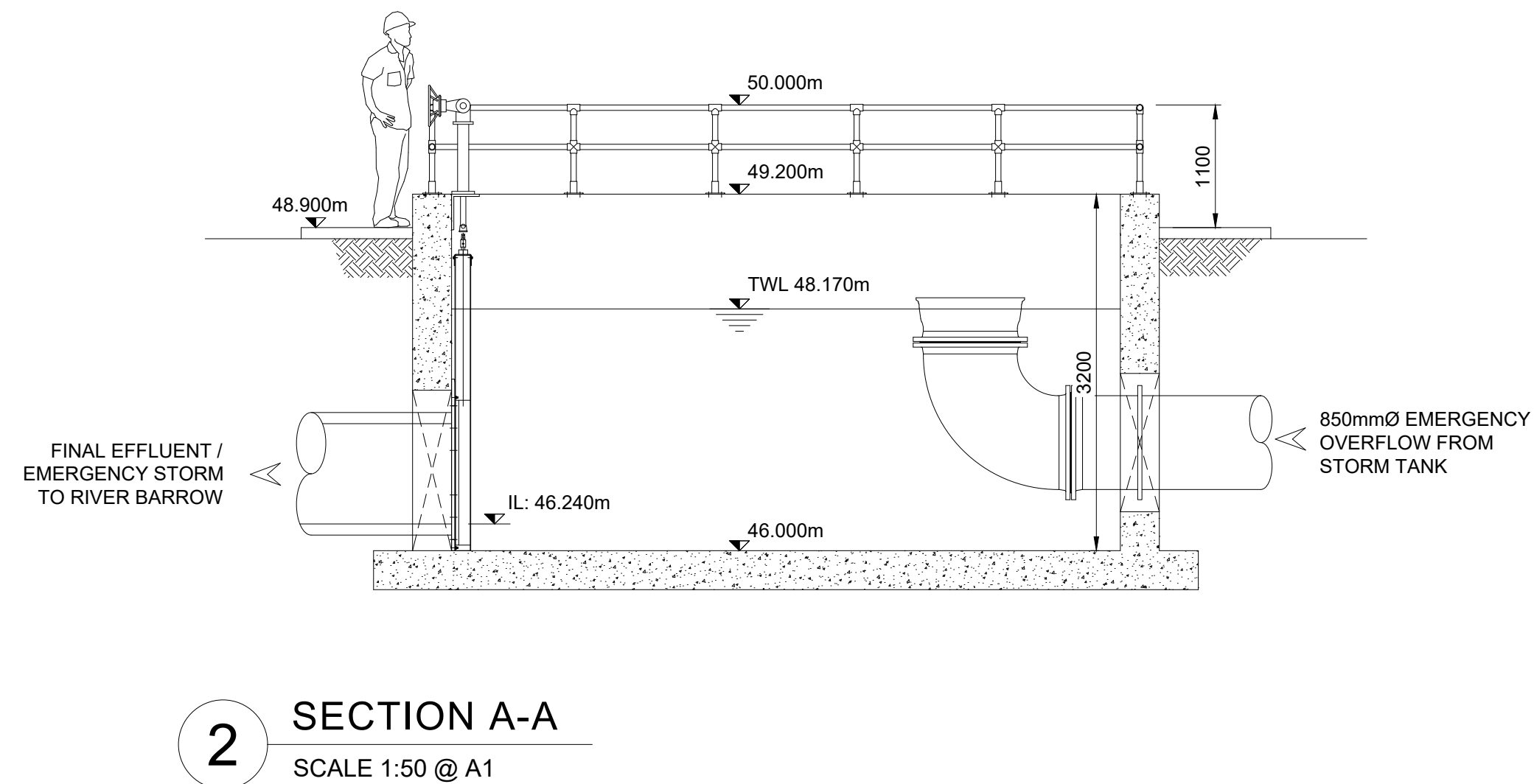
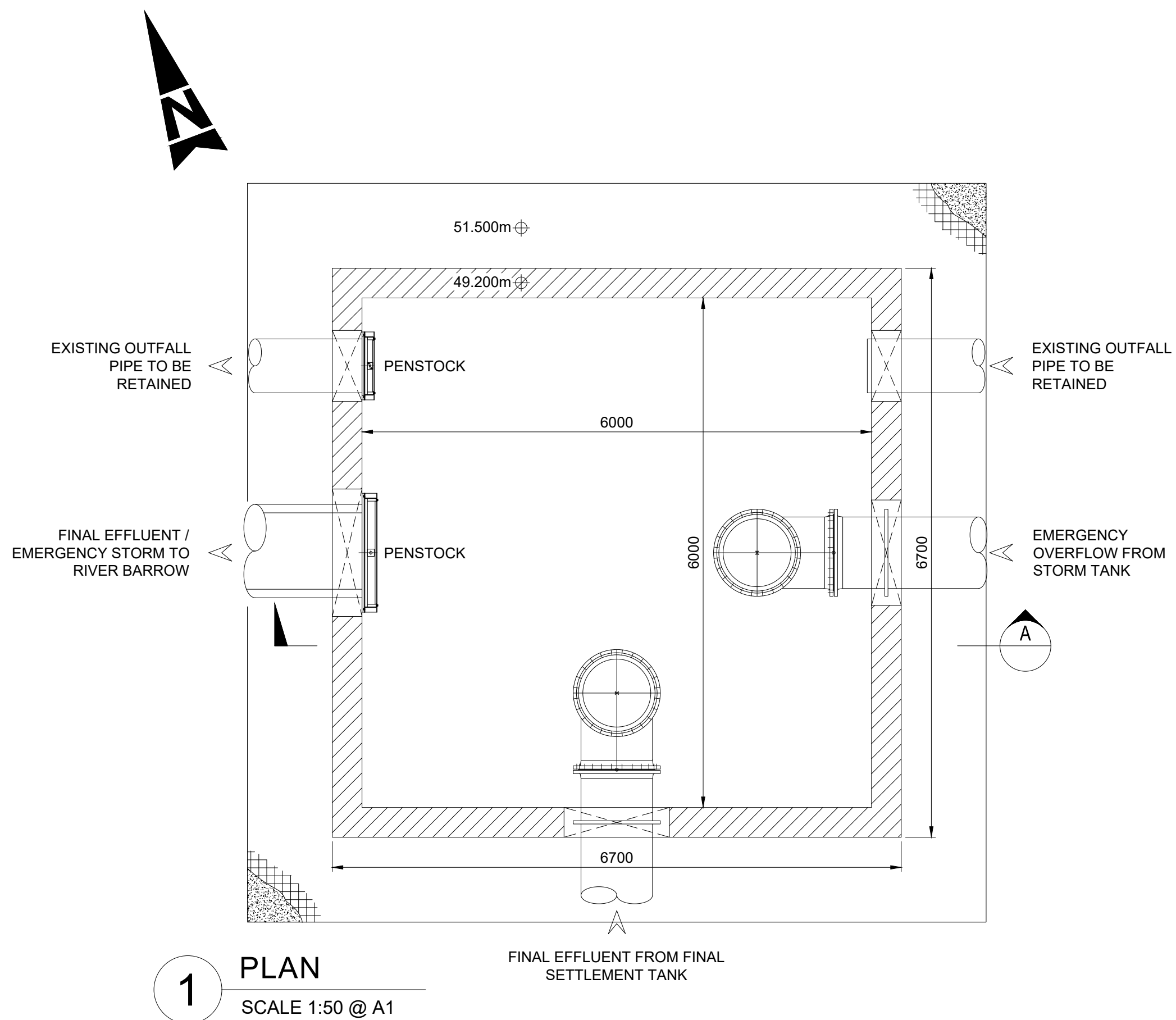
Title

PROPOSED CENTRATE / SUPERNATANT  
PUMP STATION  
PLAN, SECTION & ELEVATIONS

|                                 |               |               |               |
|---------------------------------|---------------|---------------|---------------|
| Original Scale<br><br>1:50 @ A1 | Design/Drawn  | Checked       | Authorised    |
|                                 | AMQ           | KA            | FQ            |
|                                 | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5159 | 0   |





- GENERAL NOTES:
- ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
  - ONLY WRITTEN DIMENSIONS SHALL BE USED. NO DIMENSIONS SHALL BE SCALED FROM THE DRAWINGS.
  - ALL LEVELS ARE IN METRES AND ARE TO MALIN HEAD DATUM.
  - ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

EXISTING  
PROPOSED

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |

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SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

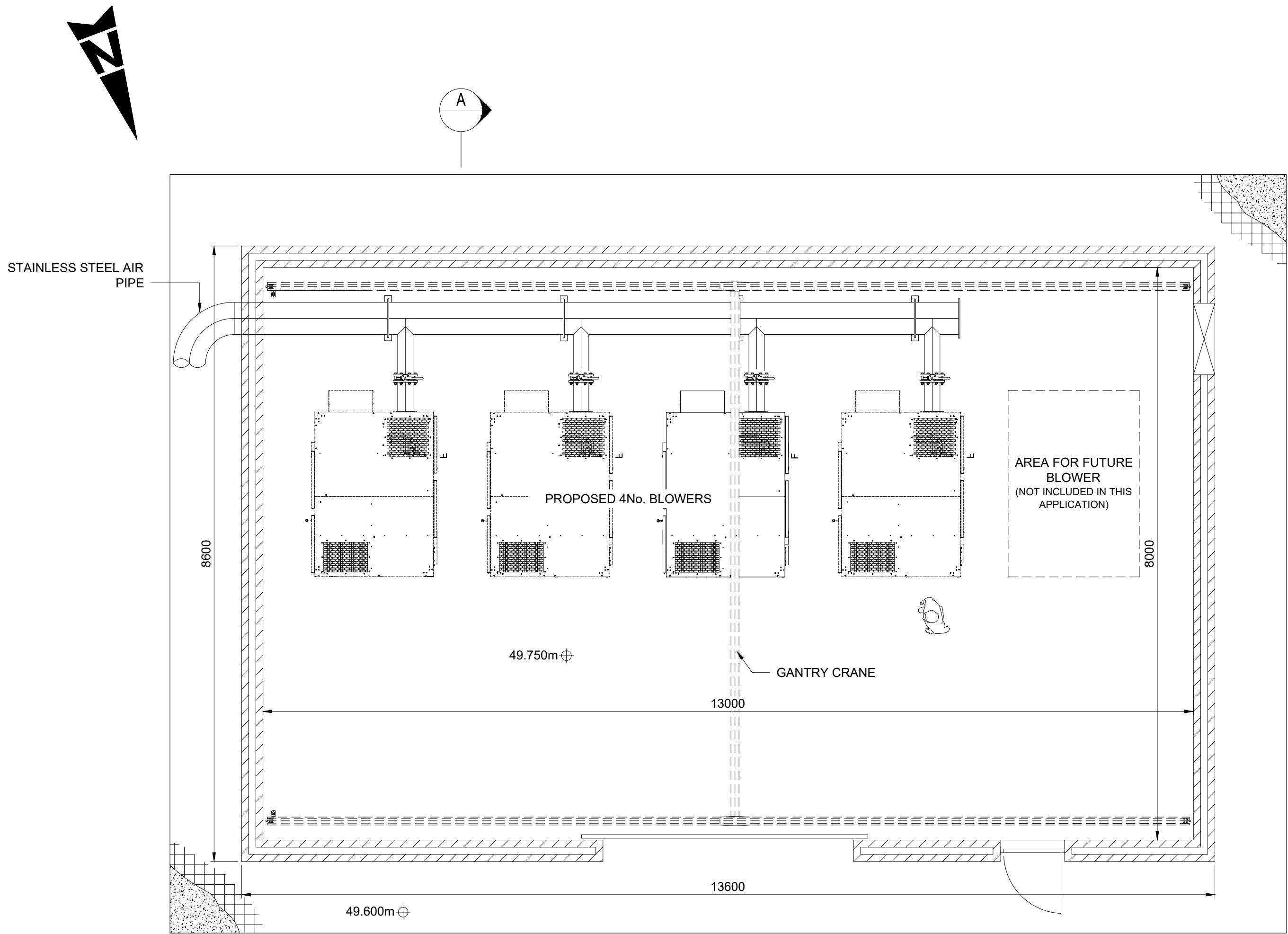
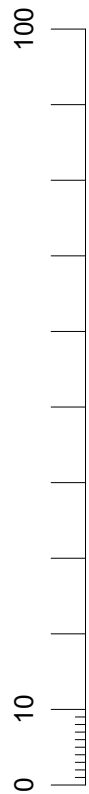
Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED COMBINED EFFLUENT CHAMBER  
PLAN, SECTION & ELEVATIONS

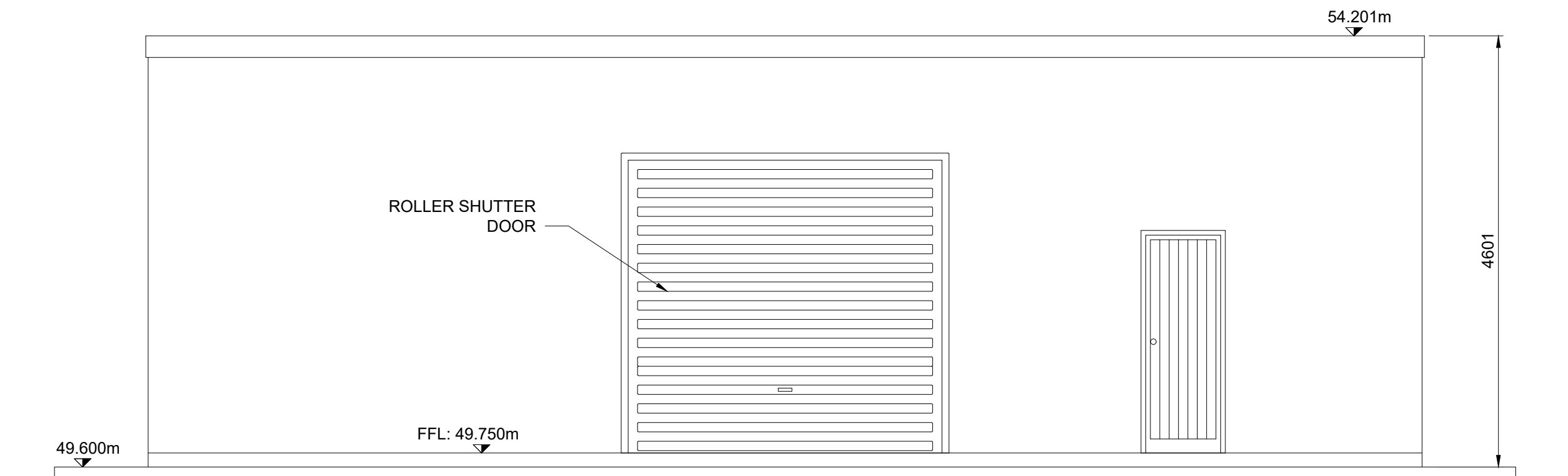
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|-----------|----------|--------------|----------|---------------|
| 1:50 @ A1 | AMQ      | KA           | FQ       |               |
| Date      | 26.05.26 | Date         | 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5160 | 0   |

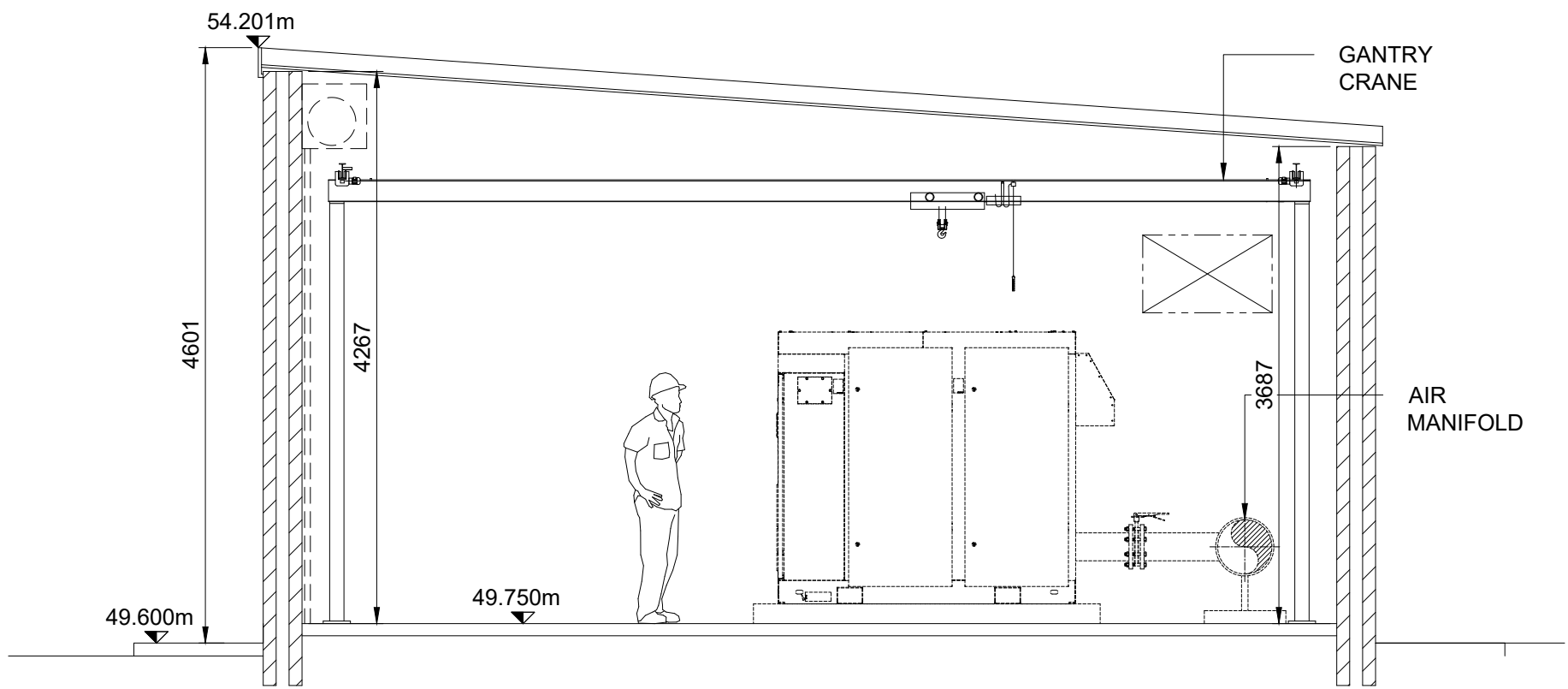




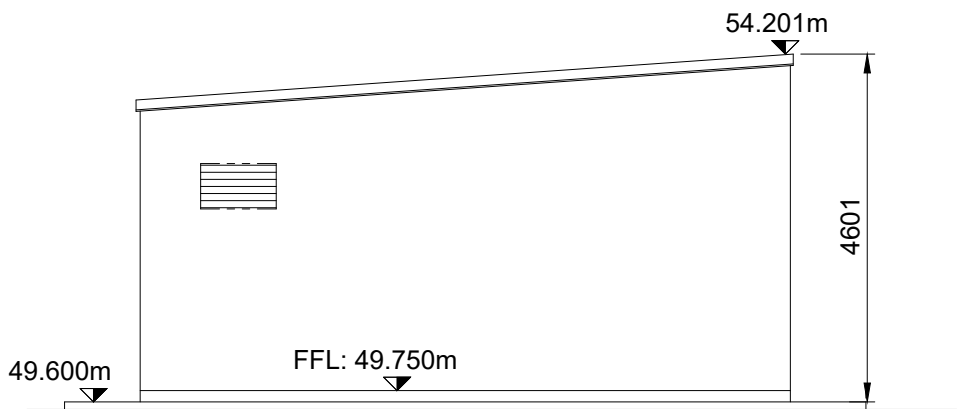
1 PLAN (AREA 104m²)  
SCALE 1:50 @ A1



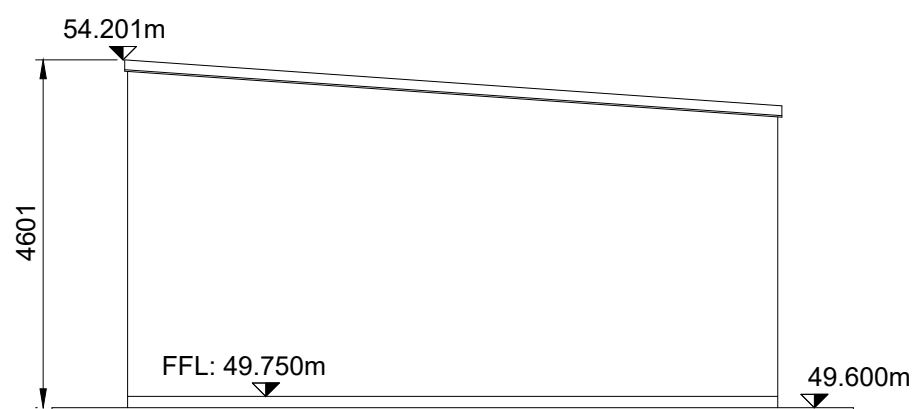
2 ELEVATION LOOKING SOUTH  
SCALE 1:50 @ A1



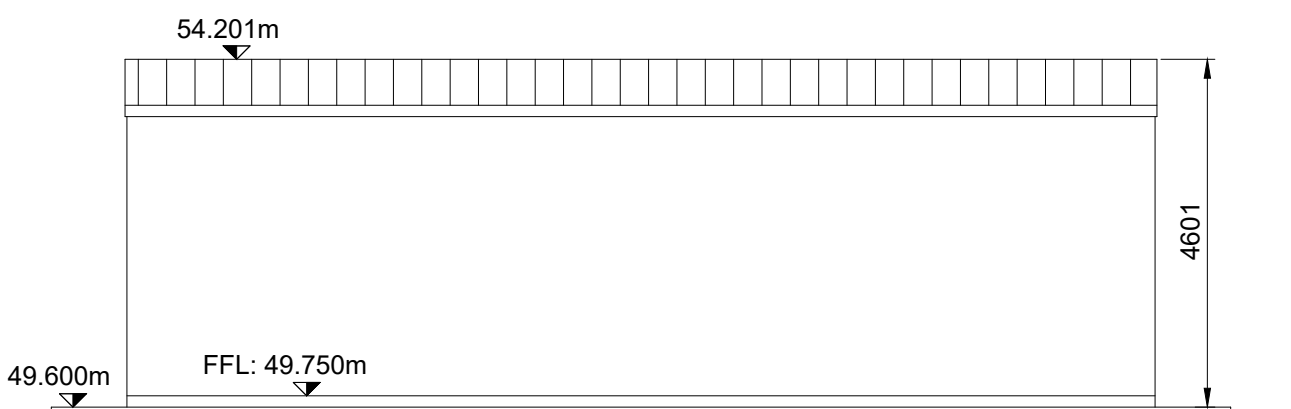
3 SECTION A-A  
SCALE 1:50 @ A1



4 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



5 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1



6 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

- EXISTING  
— PROPOSED

| Purpose  |  |  |  |  |  |
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| PLANNING |  |  |  |  |  |

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| Rev | Description | By  | Date     | Chk'd | Auth |

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

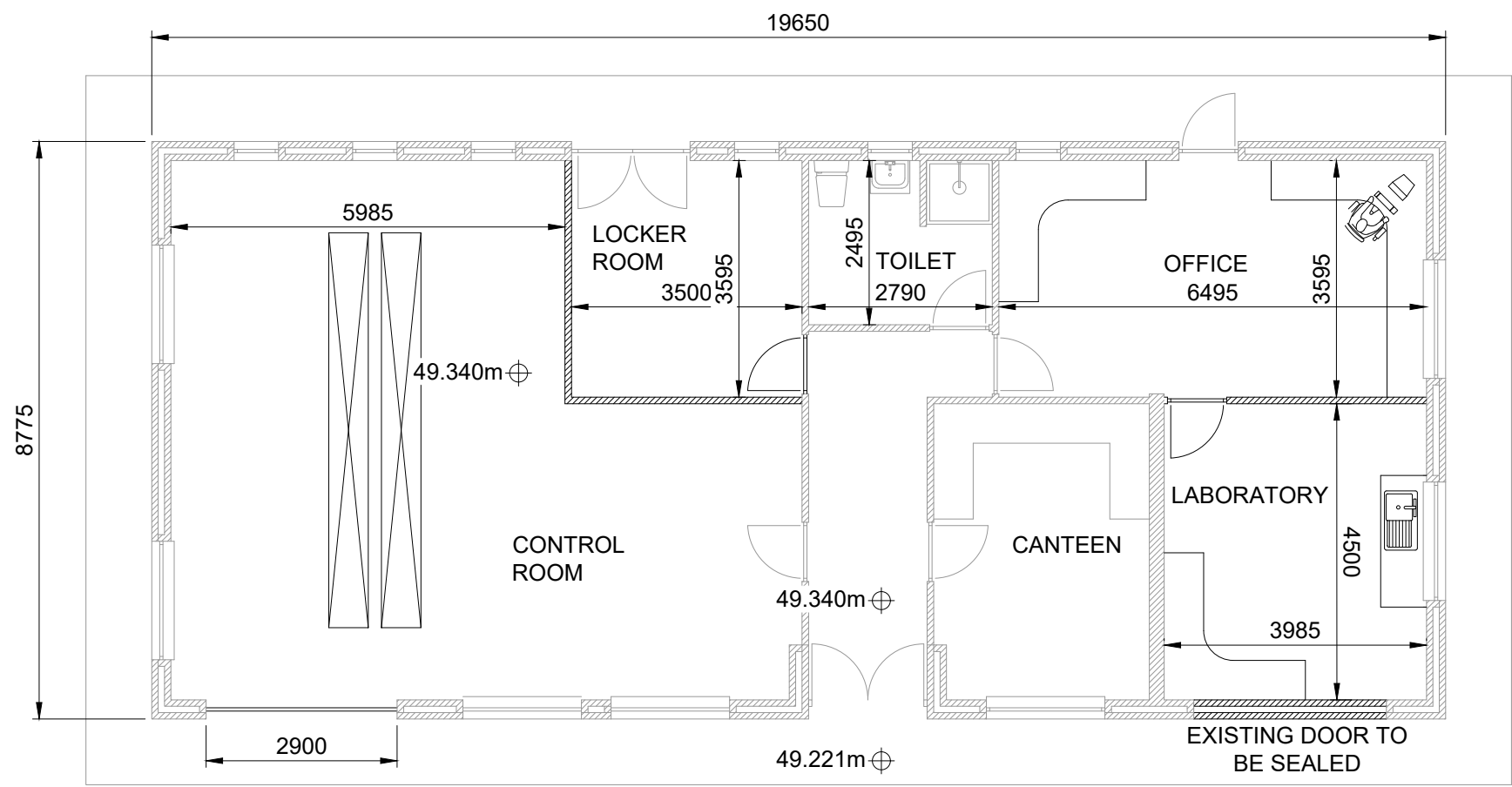
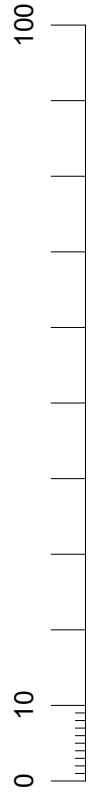
Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED BLOWER BUILDING  
PLAN, SECTION & ELEVATIONS

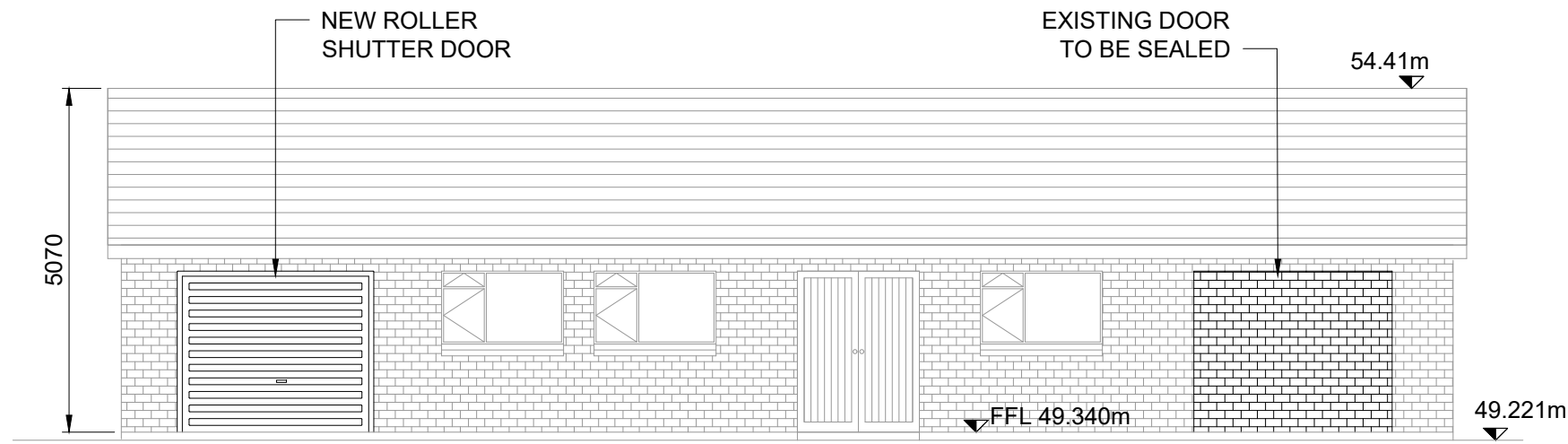
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| AS SHOWN |       | AMQ           | KA            | FQ            |
|          |       | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

| Status | Drawing Number          | Rev |
|--------|-------------------------|-----|
| P      | 5161805_EWE_DR_MOR_5161 | 0   |

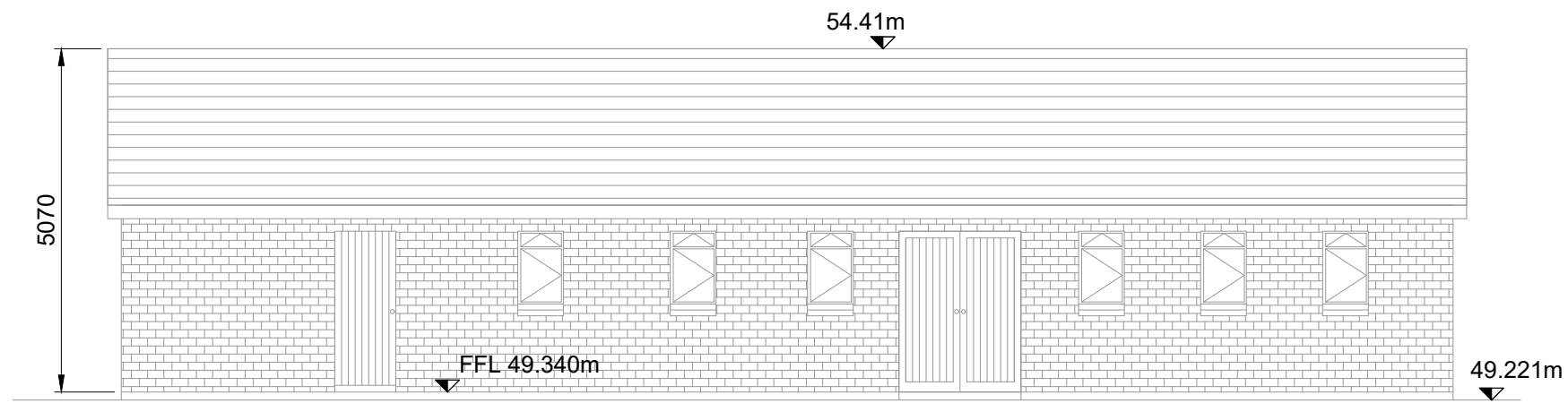




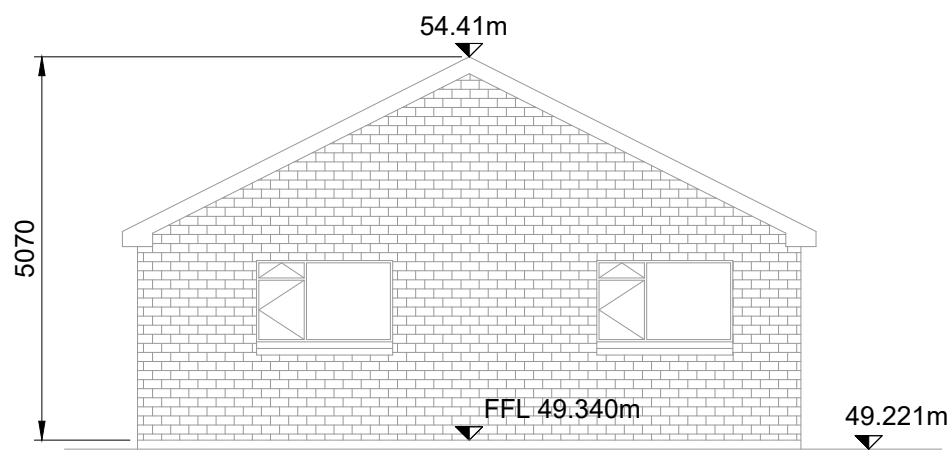
1 PROPOSED PLAN (AREA 156.2m<sup>2</sup>)  
SCALE 1:100 @ A1



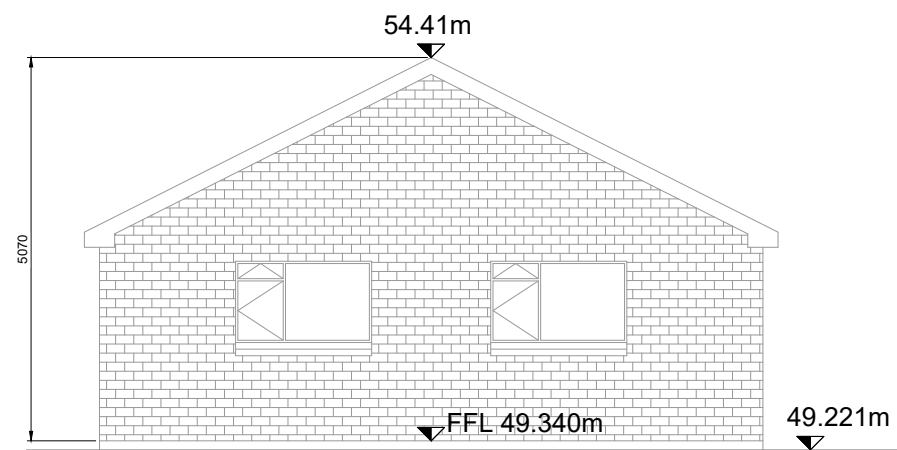
2 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1



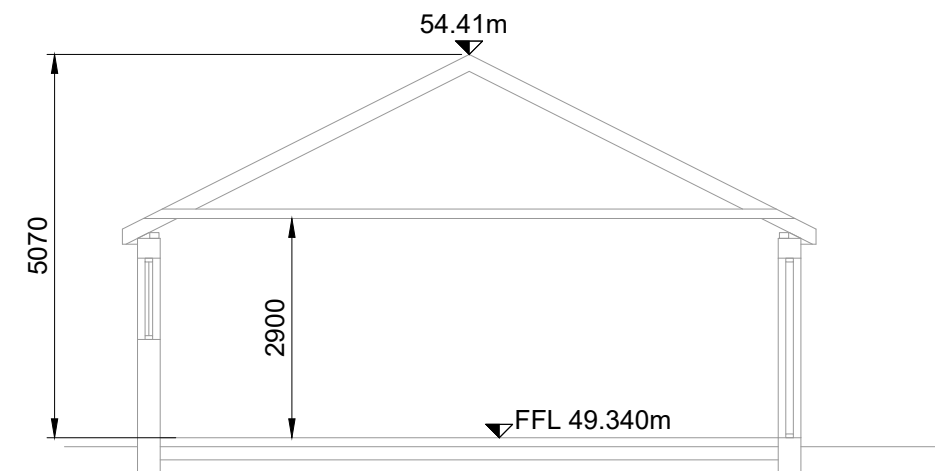
3 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1



4 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



5 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



6 TYPICAL SECTION  
SCALE 1:100 @ A1

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LEGEND :

- EXISTING  
— PROPOSED

Purpose PLANNING

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| 0 | PLANNING | AMQ | 26.05.26 | KA | FQ |
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| Rev | Description | By | Date | Chk'd | Auth |
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SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

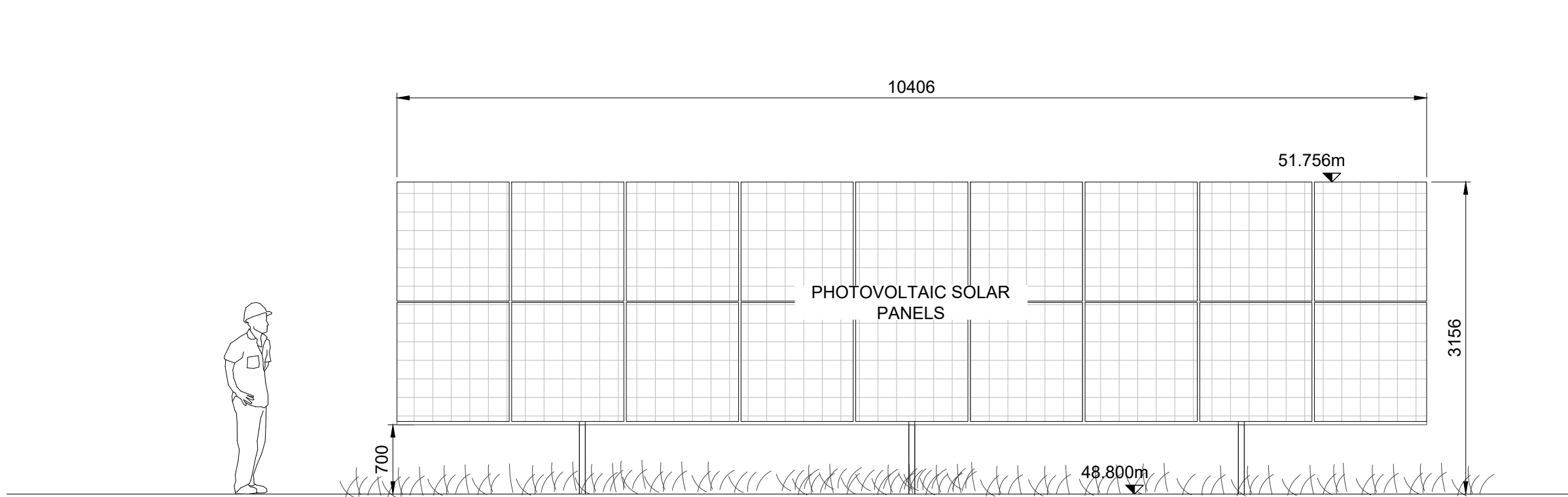
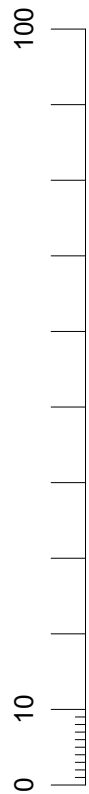
Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED MODIFICATIONS TO  
ADMINISTRATION BUILDING  
GENERAL ARRANGEMENT

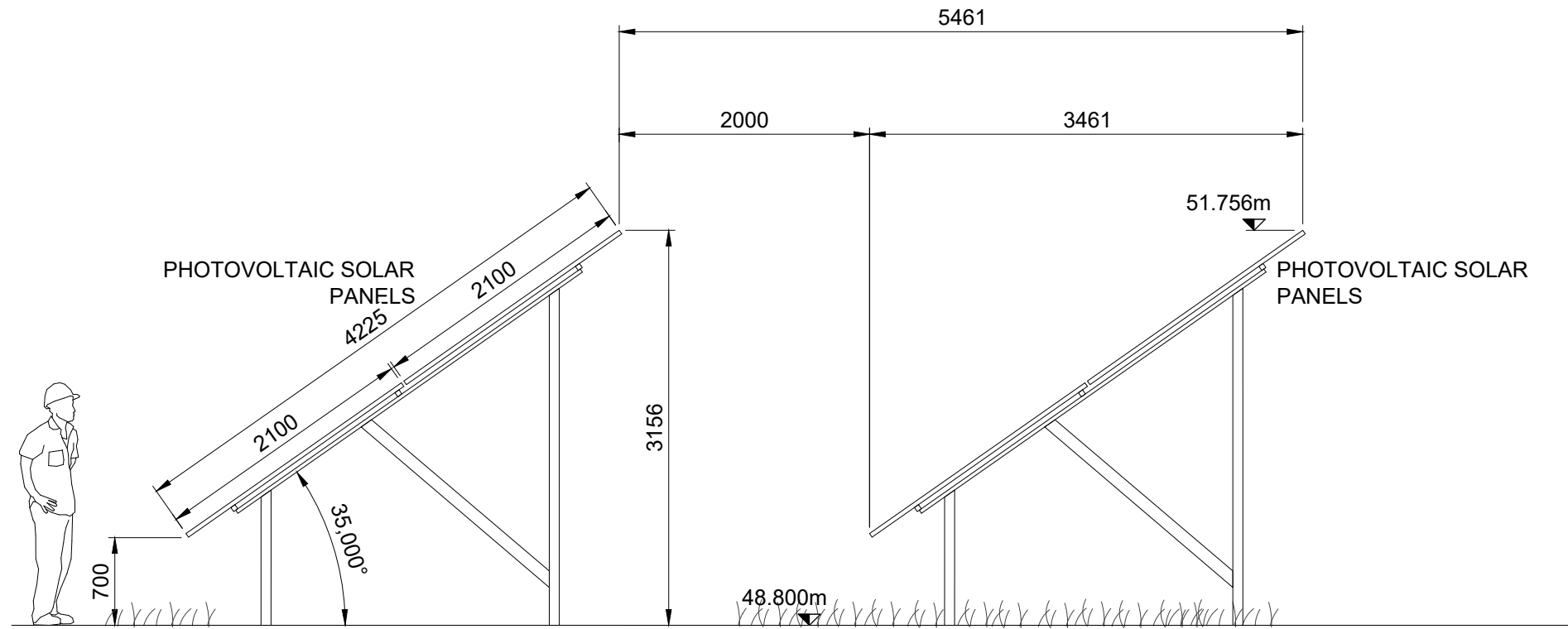
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| Original Scale | Design/Drawn  | Checked       | Authorised    |
| 1:100 @ A1     | AMQ           | KA            | FQ            |
|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

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| Status | Drawing Number          | Rev |
| P      | 5161805_EWE_DR_MOR_5162 | 0   |

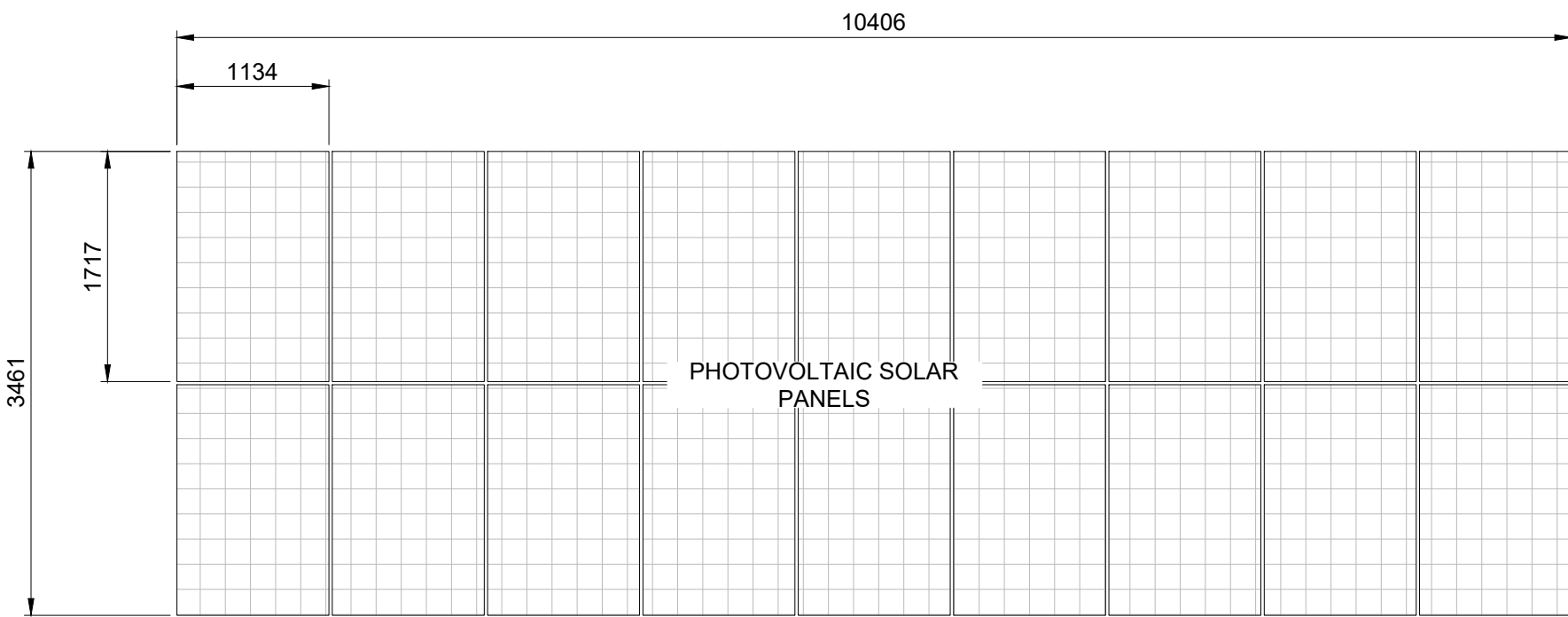




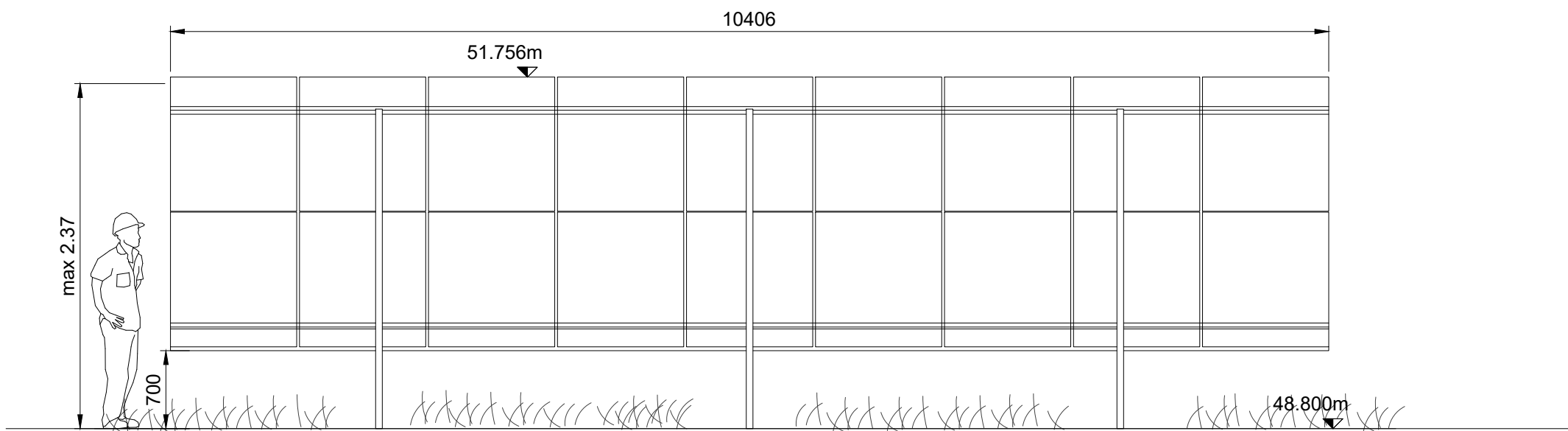
2 FRONT ELEVATION  
SCALE 1:50 @ A1



3 SIDE ELEVATION  
SCALE 1:50 @ A1



1 PLAN  
SCALE 1:50 @ A1



4 BACK ELEVATION  
SCALE 1:50 @ A1

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4. ALL COORDINATES ARE IN METRES AND ARE TO IRISH TRANSVERSE MERCATOR.

LEGEND :

- EXISTING  
PROPOSED

Purpose PLANNING

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| 0 | PLANNING | AMQ | 26.05.26 | KA | FQ |
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| Rev | Description | By | Date | Chk'd | Auth |
|-----|-------------|----|------|-------|------|

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Tel : +353 1 810 8000 Email : info.ie@atkinsrealis.com

Client  
**Uisce Éireann**  
Irish Water

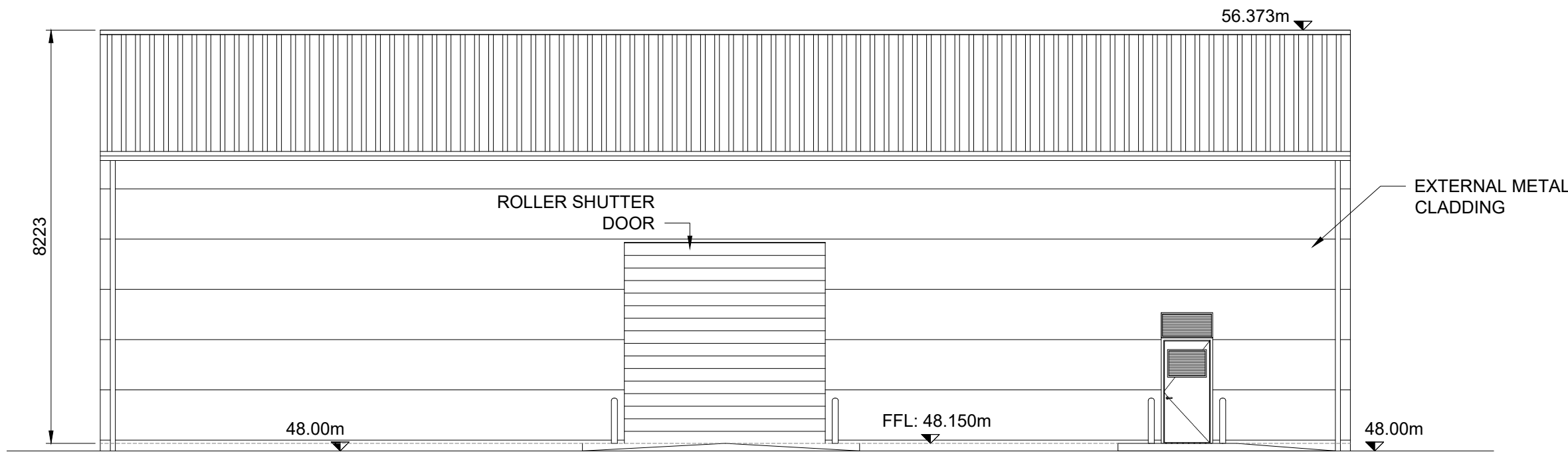
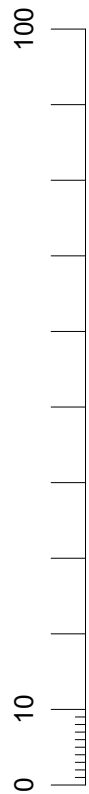
Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

Title  
PROPOSED GROUND MOUNTED  
SOLAR PANELS  
GENERAL ARRANGEMENT

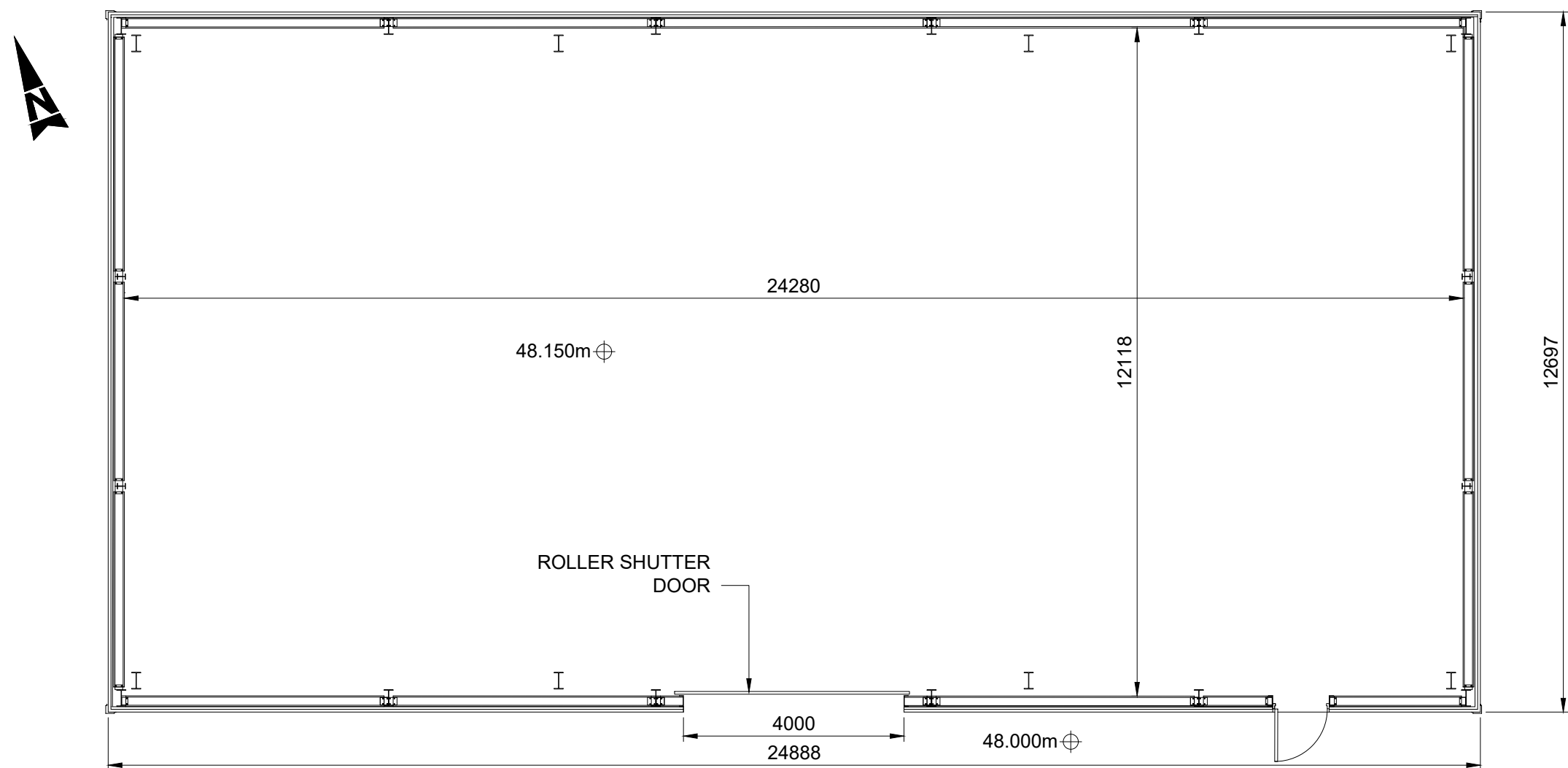
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| Original Scale | Design/Drawn  | Checked       | Authorised    |
| 1:50 @ A1      | AMQ           | KA            | FQ            |
|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

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| Status | Drawing Number          | Rev |
| P      | 5161805_EWE_DR_MOR_5163 | 0   |

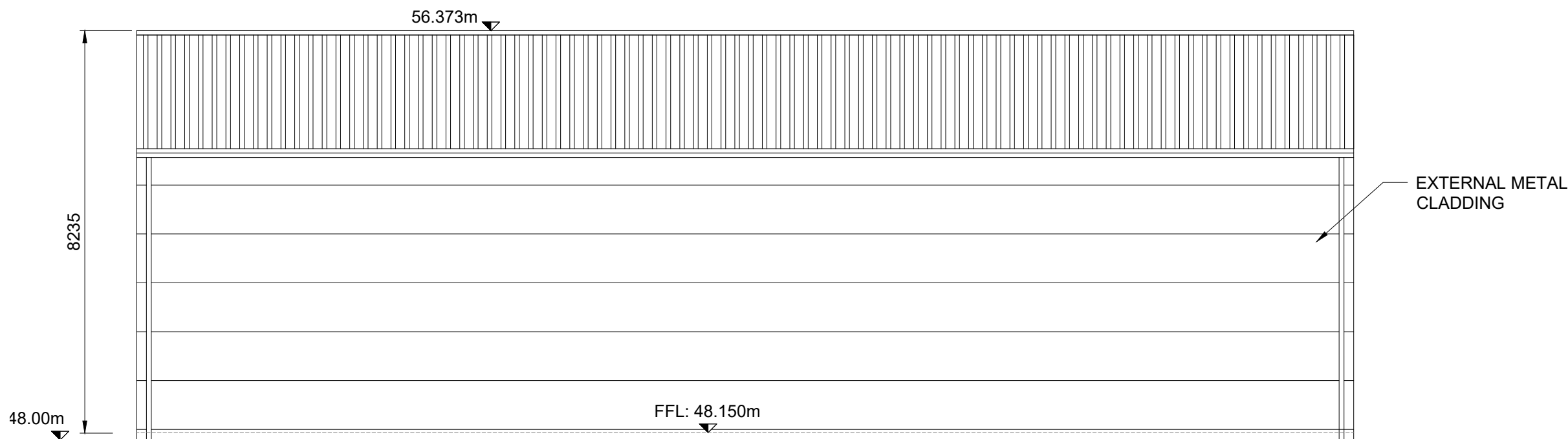




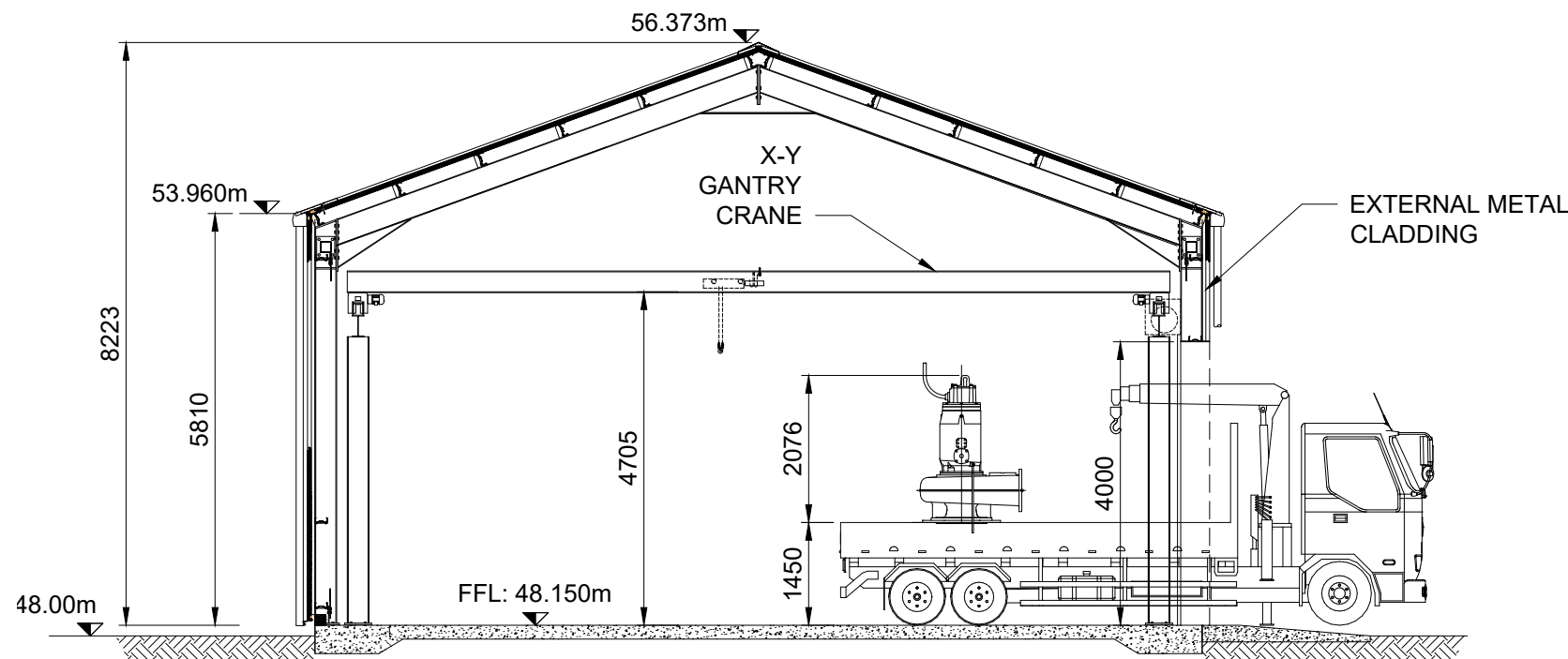
2 ELEVATION LOOKING NORTH  
SCALE 1:100 @ A1



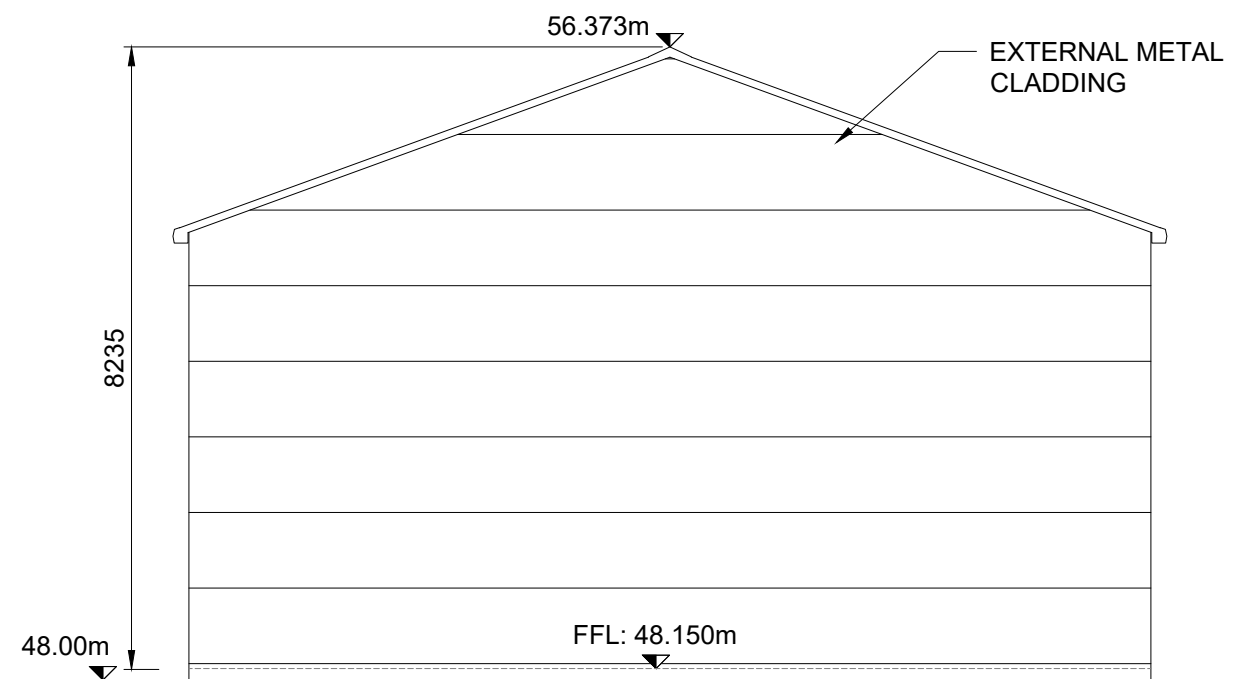
1 PLAN (AREA 291.7m²)  
SCALE 1:100 @ A1



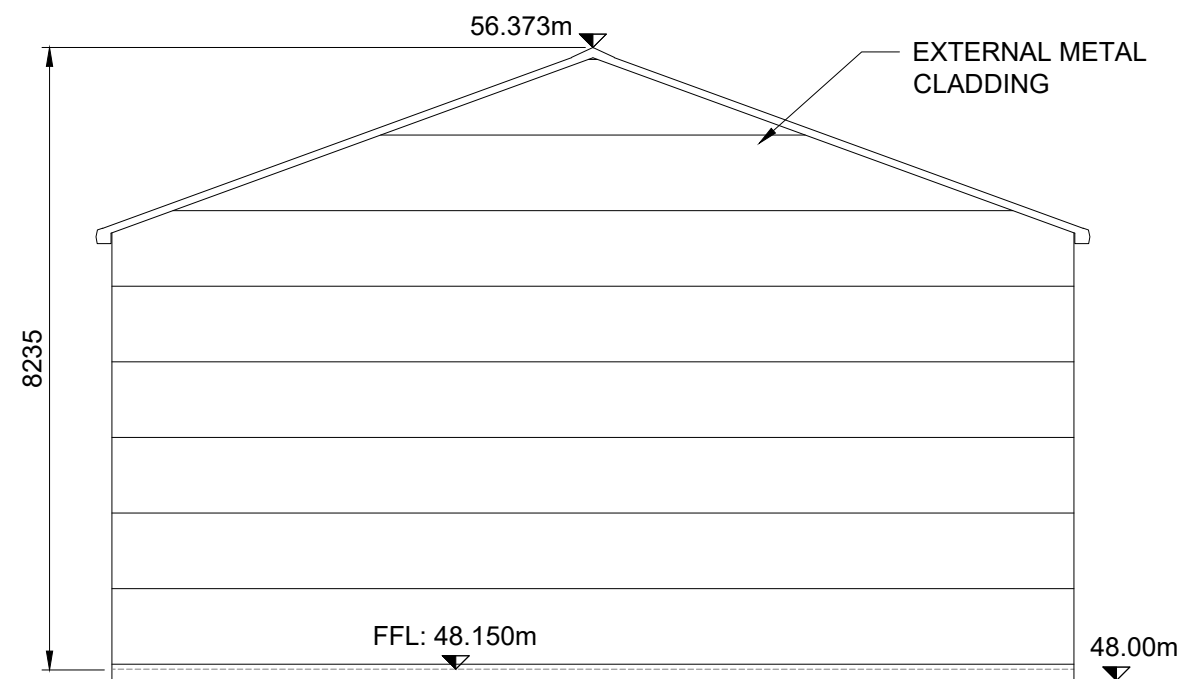
3 ELEVATION LOOKING SOUTH  
SCALE 1:100 @ A1



4 TYPICAL SECTION  
SCALE 1:100 @ A1



5 ELEVATION LOOKING WEST  
SCALE 1:100 @ A1



6 ELEVATION LOOKING EAST  
SCALE 1:100 @ A1

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| Purpose | PLANNING |  |  |  |
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| 0   | PLANNING    | AMQ | 26.05.26 | KA    | FQ   |
| Rev | Description | By  | Date     | Chk'd | Auth |

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Client  
**Uisce Éireann**  
Irish Water

Project  
MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

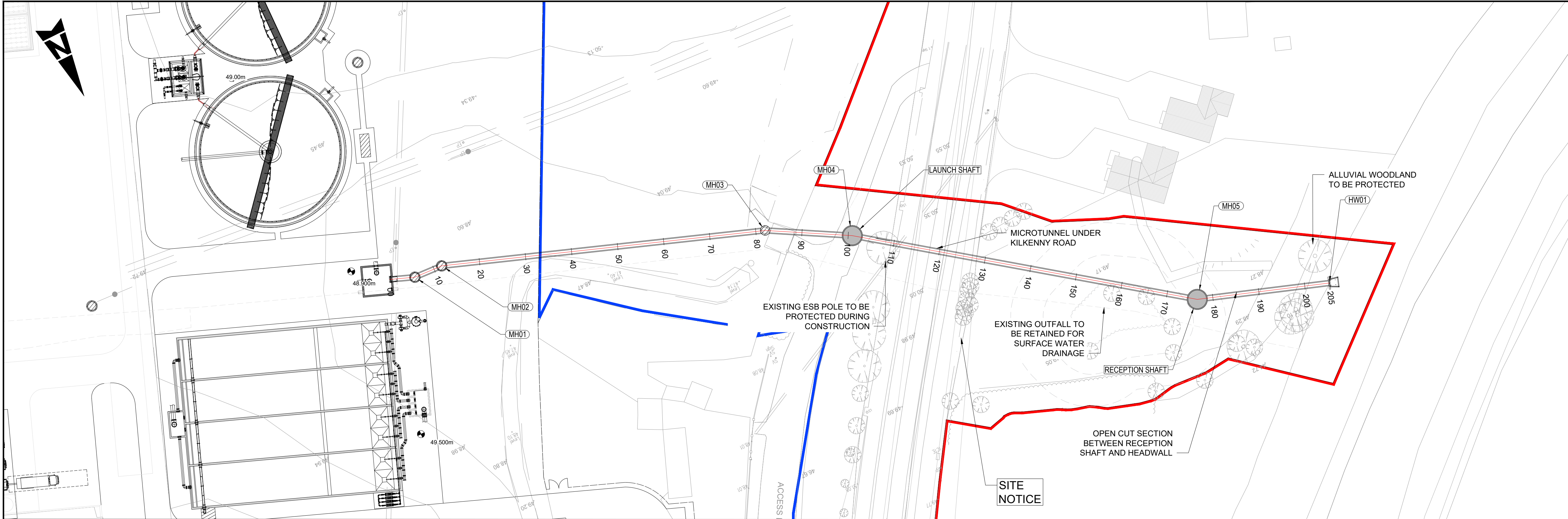
Title  
PROPOSED STORAGE SHED  
GENERAL ARRANGEMENT  
PLAN, SECTION & ELEVATIONS

|                |               |               |               |
|----------------|---------------|---------------|---------------|
| Original Scale | Design/Drawn  | Checked       | Authorised    |
| 1:100 @ A1     | AMQ           | KA            | FQ            |
|                | Date 26.05.26 | Date 26.05.26 | Date 26.05.26 |

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| Status | Drawing Number          | Rev |
| P      | 5161805_EWE_DR_MOR_5164 | 0   |



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#### GENERAL NOTES:

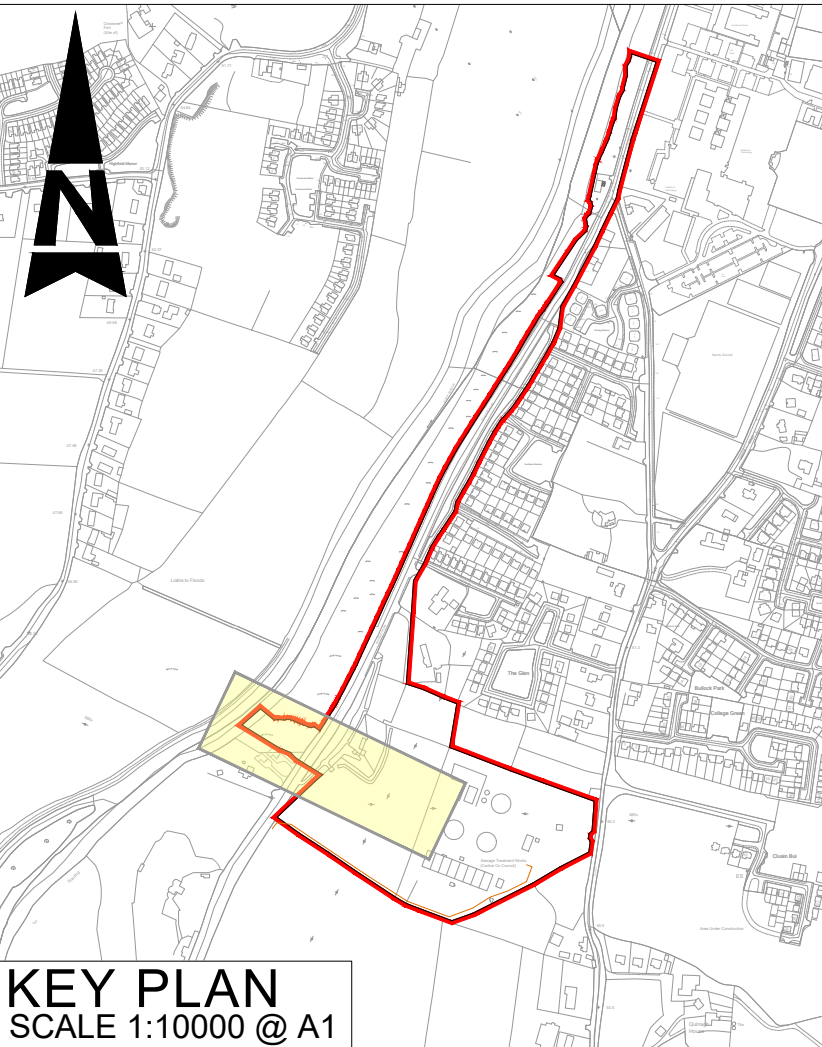
1. ALL DIMENSIONS ARE INTERNAL AND IN METRES UNLESS NOTED OTHERWISE.
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#### LEGEND :

- SITE BOUNDARY LINE (AREA = 10.766 ha)
- LANDS IN CONTROL OF APPLICANT
- EXISTING LEVEL
- EXISTING
- PROPOSED

#### NOTE:

ALL UTILITY LOCATIONS TO BE VERIFIED ON SITE.



#### KEY PLAN SCALE 1:10000 @ A1

| Purpose  |             |     |          |            |
|----------|-------------|-----|----------|------------|
| PLANNING |             |     |          |            |
| 0        | PLANNING    | AMQ | 26.05.26 | KA FQ      |
| Rev      | Description | By  | Date     | Chk'd Auth |



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MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

#### PROPOSED OUTFALL PIPE PLAN & SECTION

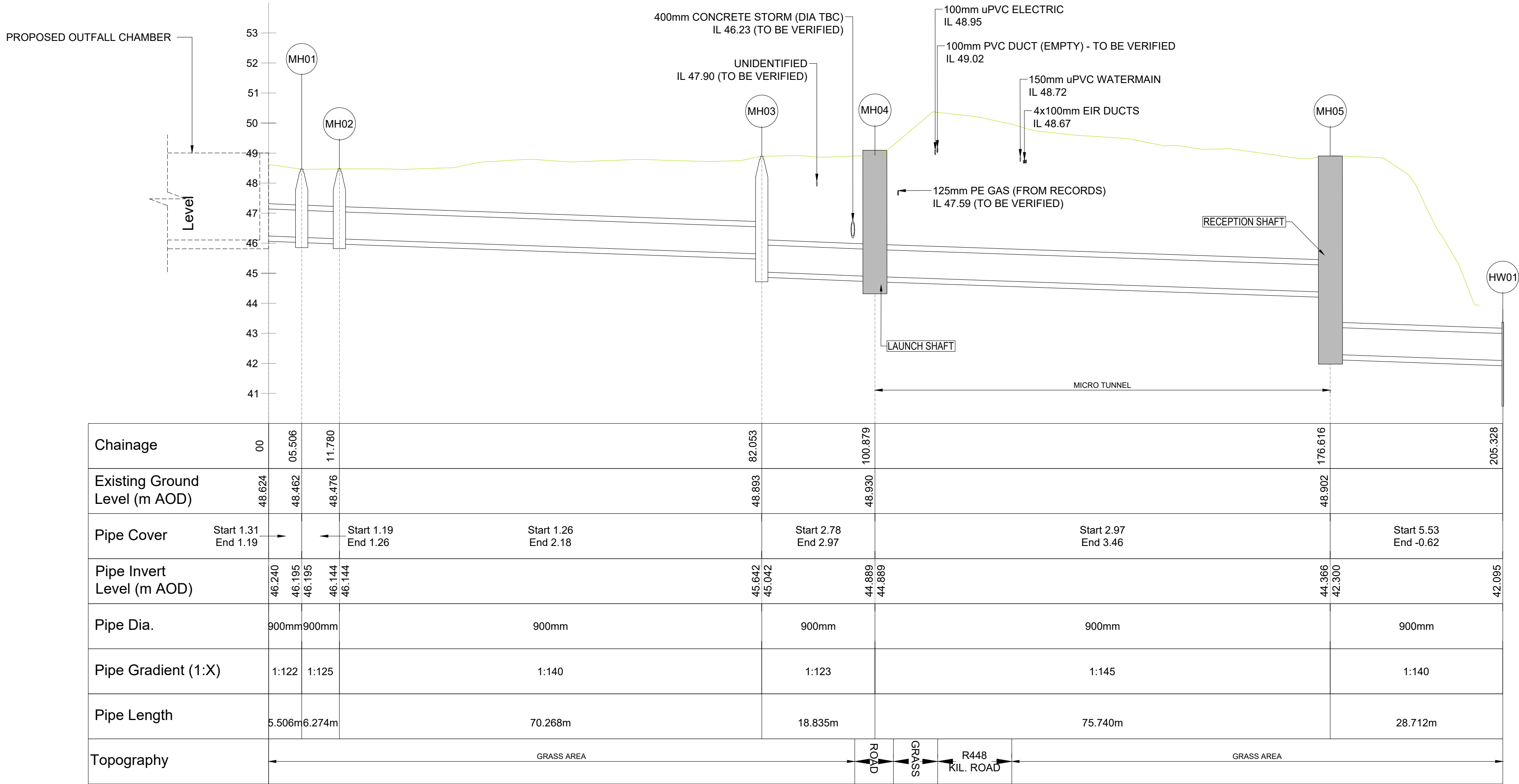
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| Original Scale | Design/Drawn | Checked | Authorised |
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| Date           | 26.05.26     | Date    | 26.05.26   |

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| Status | Drawing Number          | Rev |
| P      | 5161805_EWE_DR_MOR_5170 | 0   |

1

#### PROPOSED OUTFALL PIPE PLAN

SCALE 1:500 @ A1

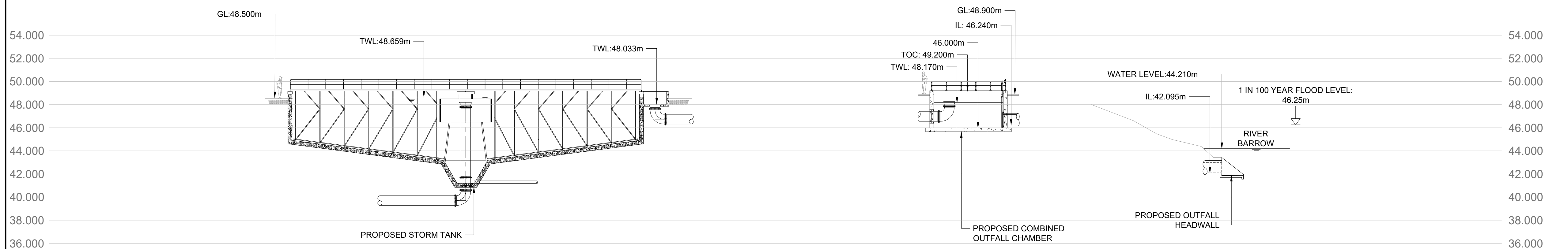


2

#### PROPOSED OUTFALL PIPE LONG-SECTION

1:500 Horizontal, 1:100 Vertical @ A1





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|         |             |          |          |       |      |
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| Purpose |             | PLANNING |          |       |      |
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| 0       | PLANNING    | AMQ      | 26.05.26 | KA    | FQ   |
| Rev     | Description | By       | Date     | Chk'd | Auth |



DUBLIN | CORK | GALWAY | DUNDALK

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SWORDS, DUBLIN, K67 K5W4.  
Tel : +353 1 810 8000 Email : [info.ie@atkinsrealis.com](mailto:info.ie@atkinsrealis.com)

|        |  |
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| Client |  |
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| Project |  |
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MORTARSTOWN WASTEWATER  
TREATMENT PLANT UPGRADE

| Title |
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### PROPOSED WWTP HYDRAULIC PROFILE

|                           |                                           |               |                  |
|---------------------------|-------------------------------------------|---------------|------------------|
| Original Scale<br><br>NTS | Design/Drawn<br>AMQ                       | Checked<br>KA | Authorised<br>FQ |
|                           | Date 26.05.26                             | Date 26.05.26 | Date 26.05.26    |
| Status<br>P               | Drawing Number<br>5161805_EWE_DR_MOR_5175 |               | Rev<br>0         |