

Arklow Wastewater Treatment Plant Project

Environmental Impact Assessment Report

Volume 3: Figures






Legend

- Planning Boundary
- Proposed interceptor sewer (southern)
- Proposed interceptor sewer (northern)
- Proposed river crossing
- Proposed outfall / SWO
- Temporary access road/construction compounds

Issue	Date	By	Chkd	Appd
P1	03/09/2018	AF	AF	COD

Client



Job Title

Arklow Wastewater Treatment Plant Project

Scale at A3

1:8,000

Discipline

Environmental

ARUP

BYRNE LOOBY

CLANCY MOORE ARCHITECTS

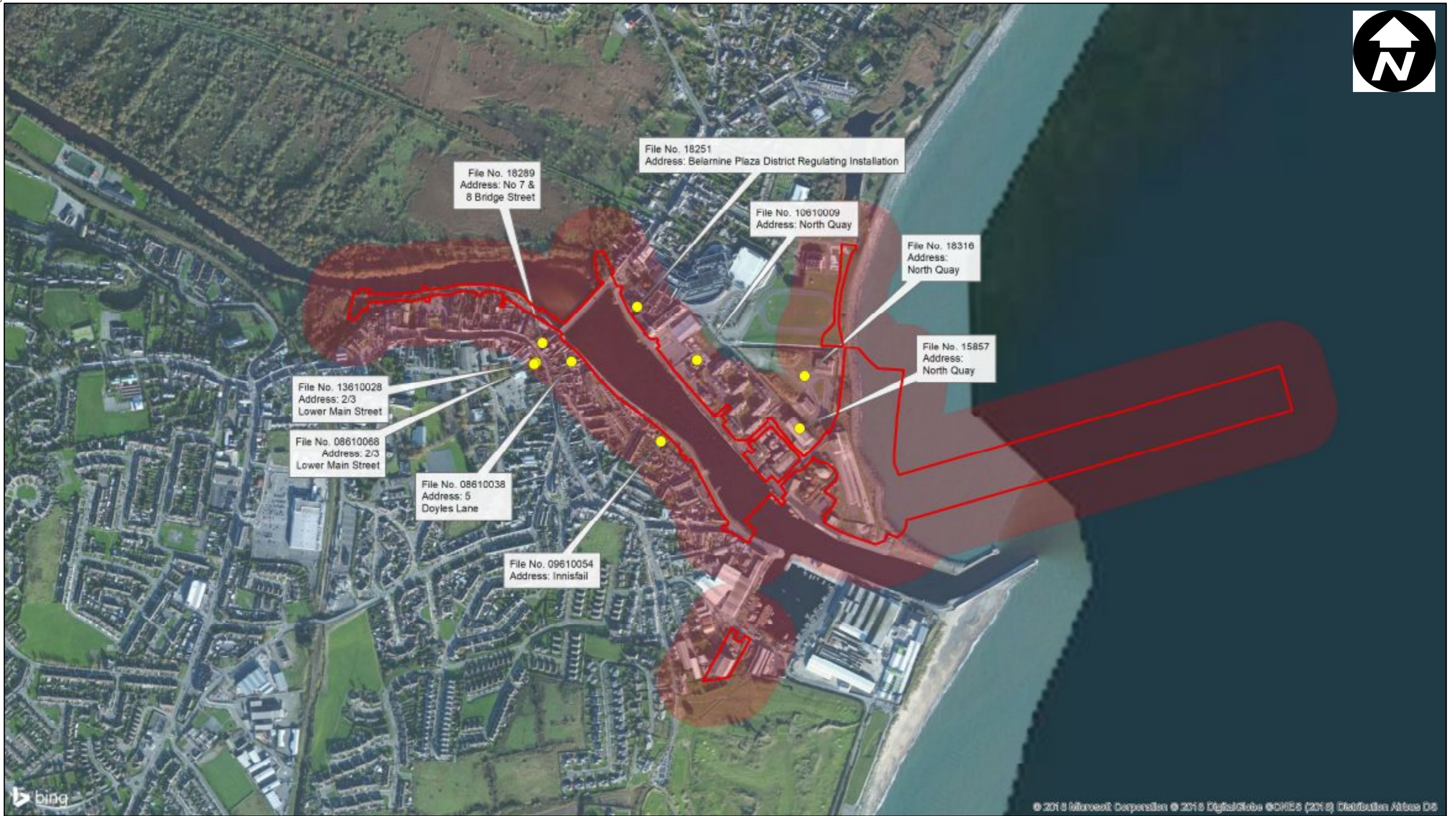
Drawing Title

The proposed development

Drawing Status

PLANNING

Job No 247825-00	Drawing No Figure 1.1	Issue P1
----------------------------	---------------------------------	--------------------



- Legend**
- Planning Boundary
 - Other developments in Arklow town
 - Planning Boundary 100m Buffer

The datasets shown in this map are sourced from Wicklow County Council

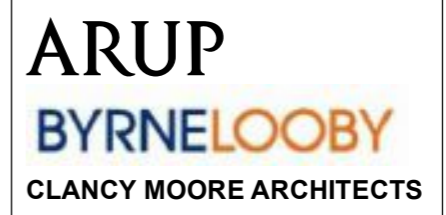
Client



Job Title
Arklow Wastewater Treatment Plant Project

Scale at A3
1:8,000

Discipline
Environmental

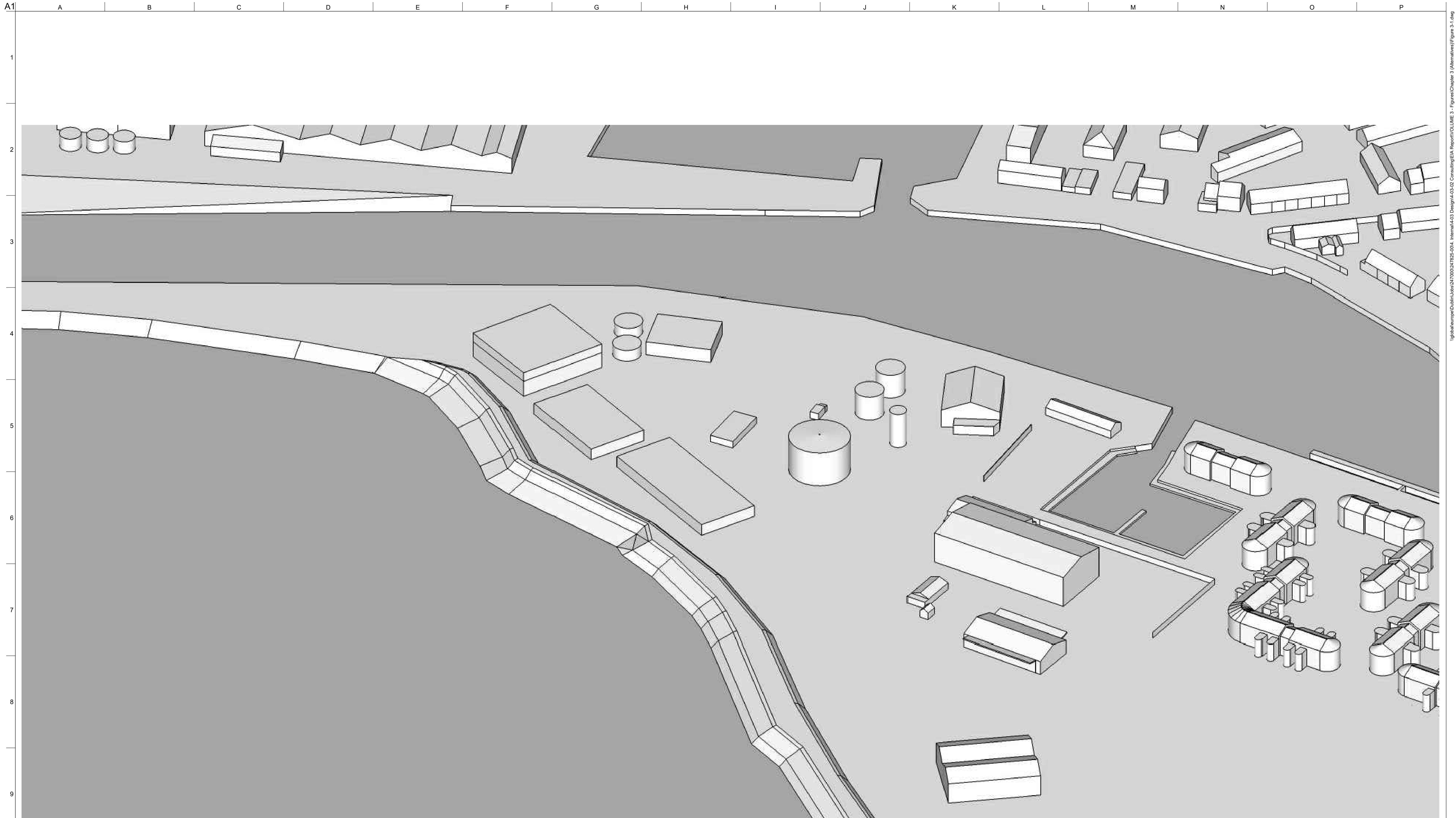


Drawing Title
Developments considered for cumulative effects

Drawing Status
PLANNING

P1	03/09/2018	LG	AF	COD
Issue	Date	By	Chkd	Appd

Job No 247825-00	Drawing No Figure 2.1	Issue P1
----------------------------	---------------------------------	--------------------



I:\global\Europe\Dublin\Jobs\217000247825-004_ Internal\4.03.02 Consulting\EA Report\Volume 3 - Figures\Chapter 3 (Alternatives)\Figure 3.1.dwg

Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	AF	C'OD

Client



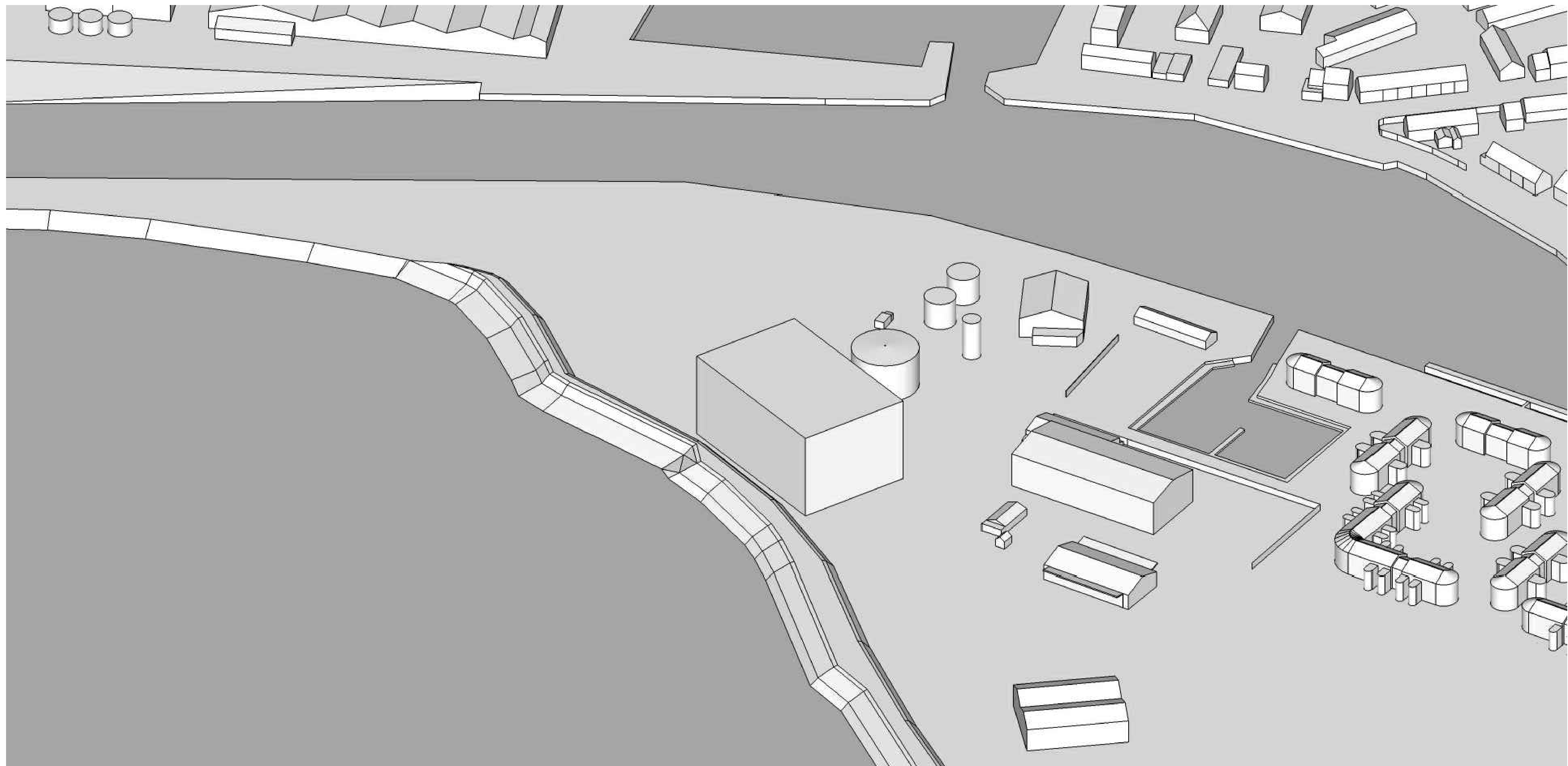
Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 NTS
 Discipline Environmental

ARUP BYRNE LOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
ARCHITECTURAL ALTERNATIVE DISTRIBUTED DESIGN OPTION (CLANCY MOORE ARCHITECTS)

Drawing Status
PLANNING
 Job No 247825-00 Drawing No **FIGURE 3.1** Issue **P1**



Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	AF	C'OD

Client



Job Title
**ARKLOW WASTEWATER
 TREATMENT PLANT
 PROJECT**

Scale at A1 NTS
 Discipline Environmental

ARUP BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

Drawing Title
**ARCHITECTURAL ALTERNATIVE
 STACKED DESIGN OPTION
 (CLANCY MOORE ARCHITECTS)**

Drawing Status
PLANNING
 Job No 247825-00 Drawing No **FIGURE 3.2** Issue **P1**



J:\217000247825-004_ Intern\A1-03_Design\4.03.02_Consulting\EIA_Report\Volume 3 - Figures\Chapter 3 (Alternatives)\Figure 3.3.dwg

Do not scale

Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	AF	C'OD

Client



Job Title

ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1

NTS

Discipline

Environmental

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title

ARCHITECTURAL ALTERNATIVE LINEAR DESIGN OPTION (CLANCY MOORE ARCHITECTS)

Drawing Status

PLANNING

Job No

247825-00

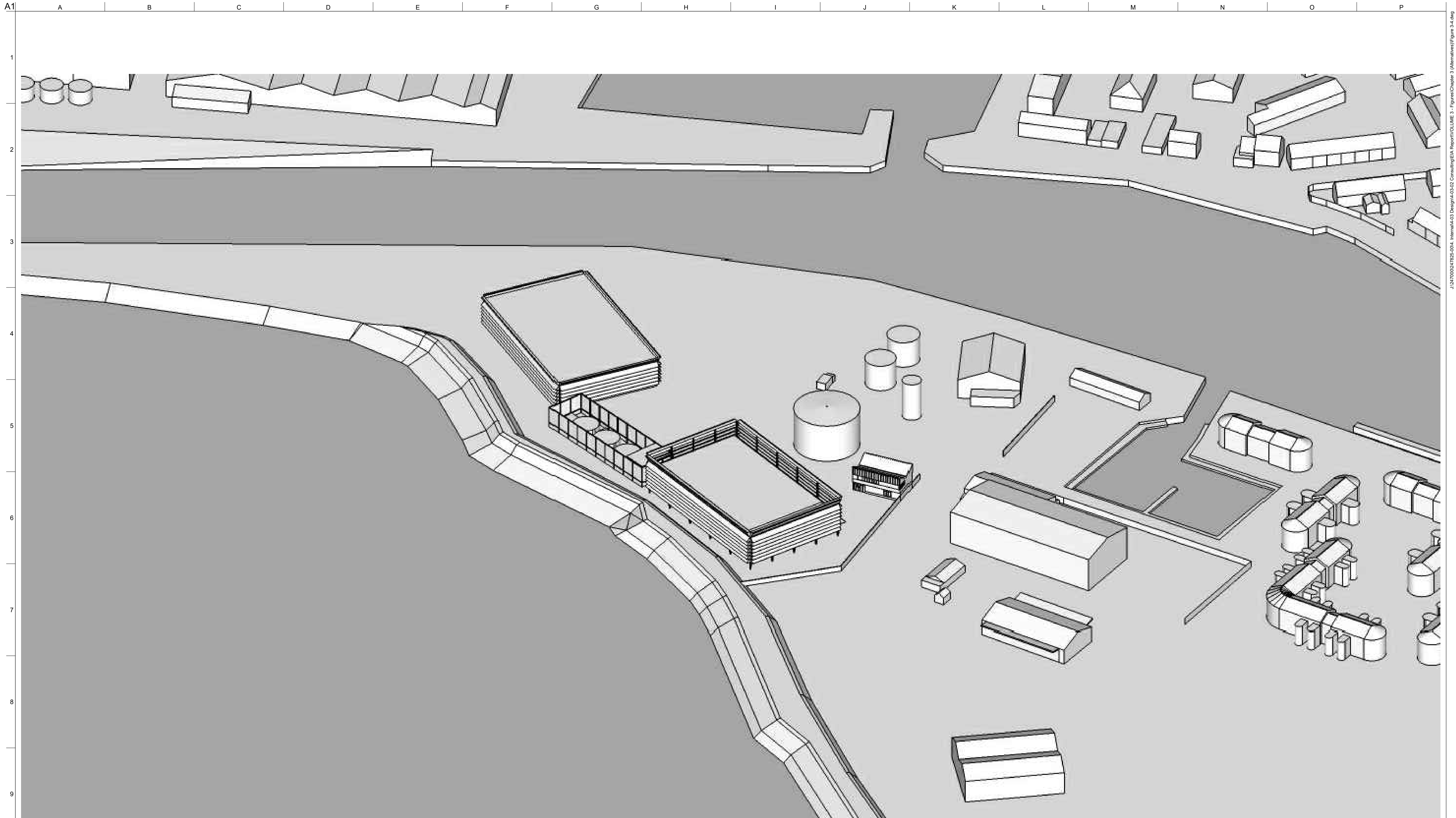
Drawing No

FIGURE 3.3

Issue

P1

© Arup



A1
1
2
3
4
5
6
7
8
9
10

A B C D E F G H I J K L M N O P

J:\217000247825-004_ Internal\4-03-02 Consulting\EA Report\Volume 3 - Figures\Chapter 3 (Alternatives)\Figure 3.4.dwg

Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	AF	C'OD

Client



Job Title

ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1

NTS

Discipline

Environmental

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title

ARCHITECTURAL ALTERNATIVE STACKED & LINEAR DESIGN OPTION (CLANCY MOORE ARCHITECTS)

Drawing Status

PLANNING

Job No

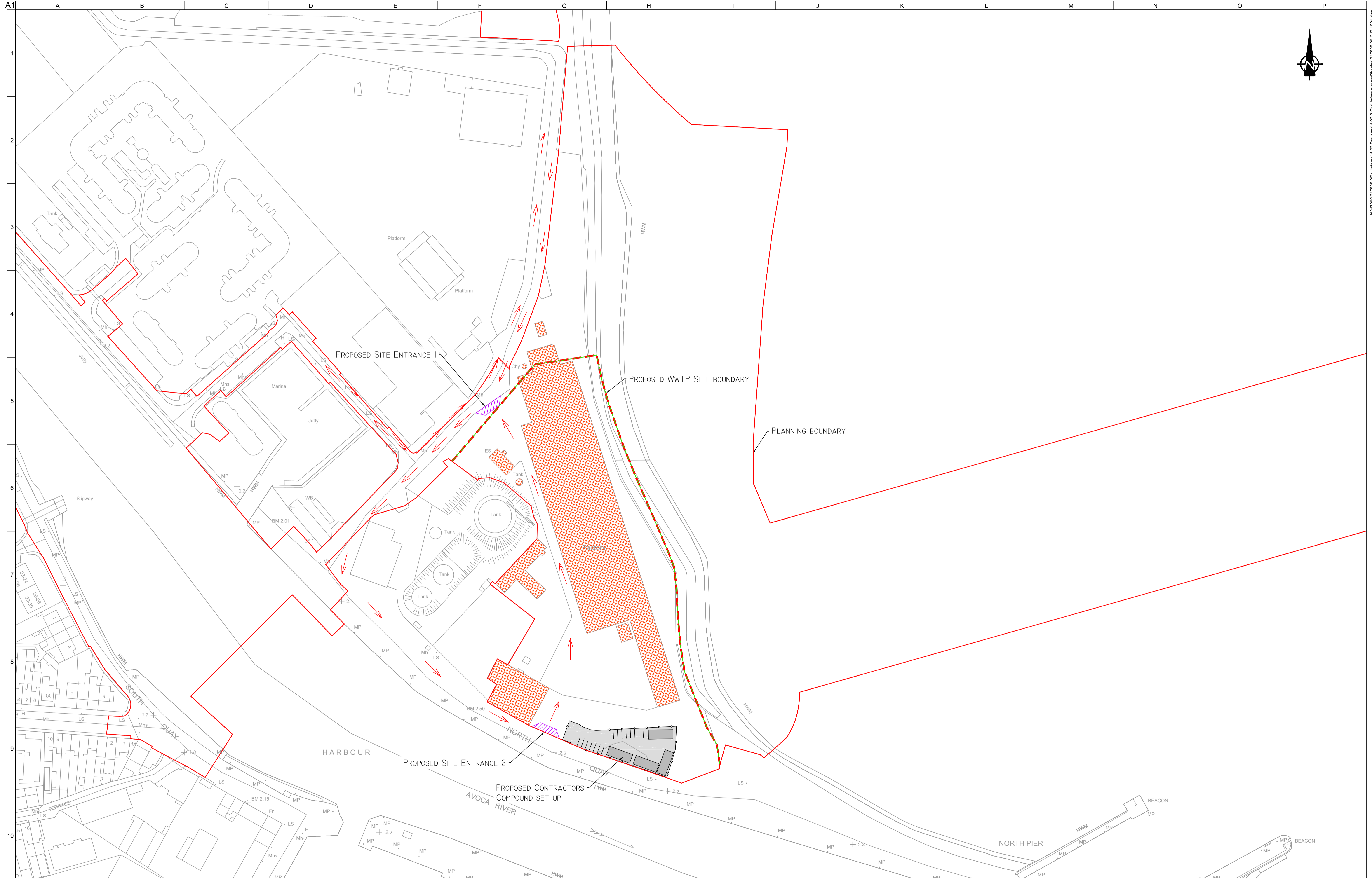
247825-00

Drawing No

FIGURE 3.4

Issue

P1



NOTES:
 1. ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 2. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.

LEGEND


	STRUCTURES TO BE STRIPPED OUT AND DEMOLISHED
	CONSTRUCTION TRAFFIC
	PROPOSED SITE ENTRANCES

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	03/09/18	TD	EP	C'OD
Issue	Date	By	Chkd	Appd

Client



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 1:1000

Discipline
 Civil

Drawing Title
ARKLOW WWTTP PHASING SITE STRIP & DEMOLITION

Drawing Status
PLANNING

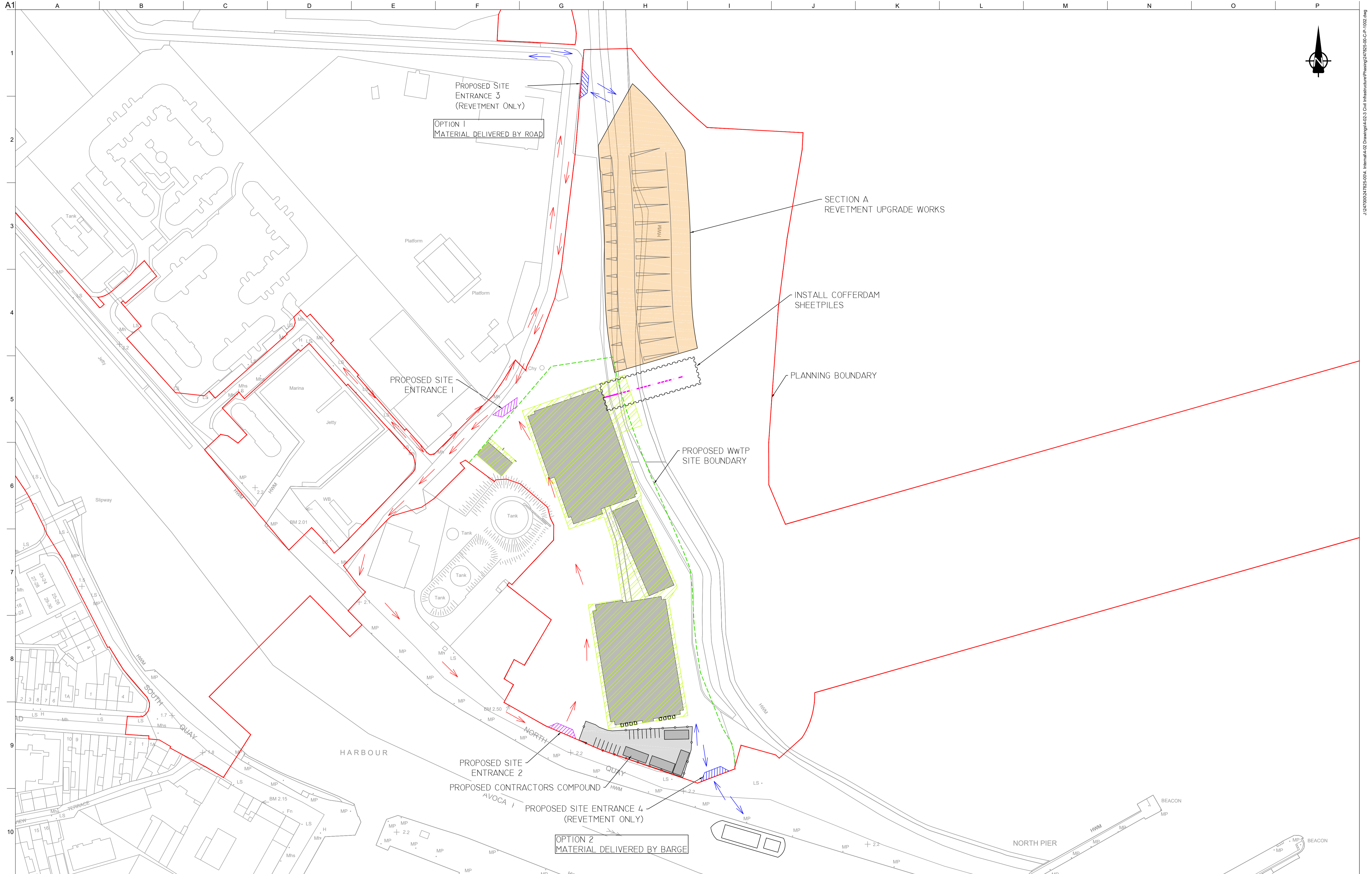
Job No
247825-00

Drawing No
C-P-1001

Issue
P1

ARUP BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

J:\2017000\247825-004 - IntraM4\IG Drawings\4023 Civil Infrastructure\Planning\247825-00-C-P-1001.dwg



NOTES:
 1. ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 2. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.

- LEGEND**
- PROPOSED SITE ENTRANCES
 - PROPOSED SITE ENTRANCES - REVETMENT WORKS
 - CONTAMINATED LAND TO BE REMOVED / DISPOSED OFF SITE
 - PROPOSED BUILDING
 - CONSTRUCTION TRAFFIC
 - CONSTRUCTION TRAFFIC - REVETMENT ONLY
 - PROPOSED OUTFALL \ SWO
 - COFFERDAM

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	C'OD
P1	03/09/18	TD	EP	C'OD



Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 1:1000

Discipline
 Civil

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
ARKLOW WwTP REMOVAL OF CONTAMINATED MATERIAL & COFFERDAM CONSTRUCTION

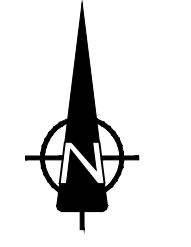
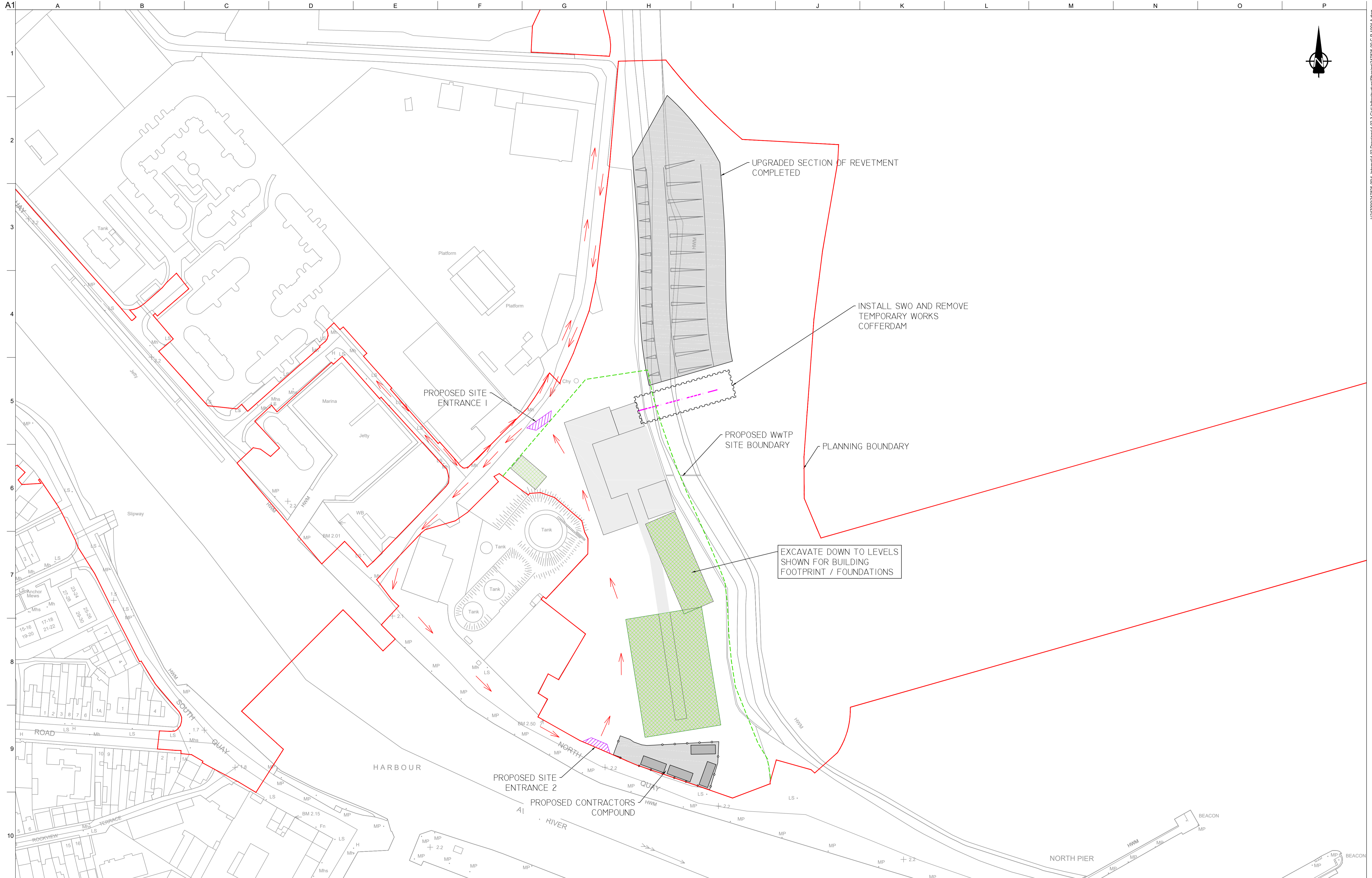
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-P-1002

Issue
P1

J:\2017000\247825-00A_Inhema4.02 Drawings\4.02.3 Civil Infrastructure\Planning\247825-00-C-P-1002.dwg



- NOTES:
- ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 - ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.

LEGEND

- PROPOSED SITE ENTRANCES
- CONSTRUCT BELOW GROUND STRUCTURES AND BUILDING FOUNDATIONS
- CONSTRUCTION TRAFFIC
- PROPOSED OUTFALL / SWO
- COFFERDAM

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	EP	C'OD



Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 1:1000

Discipline
 Civil

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

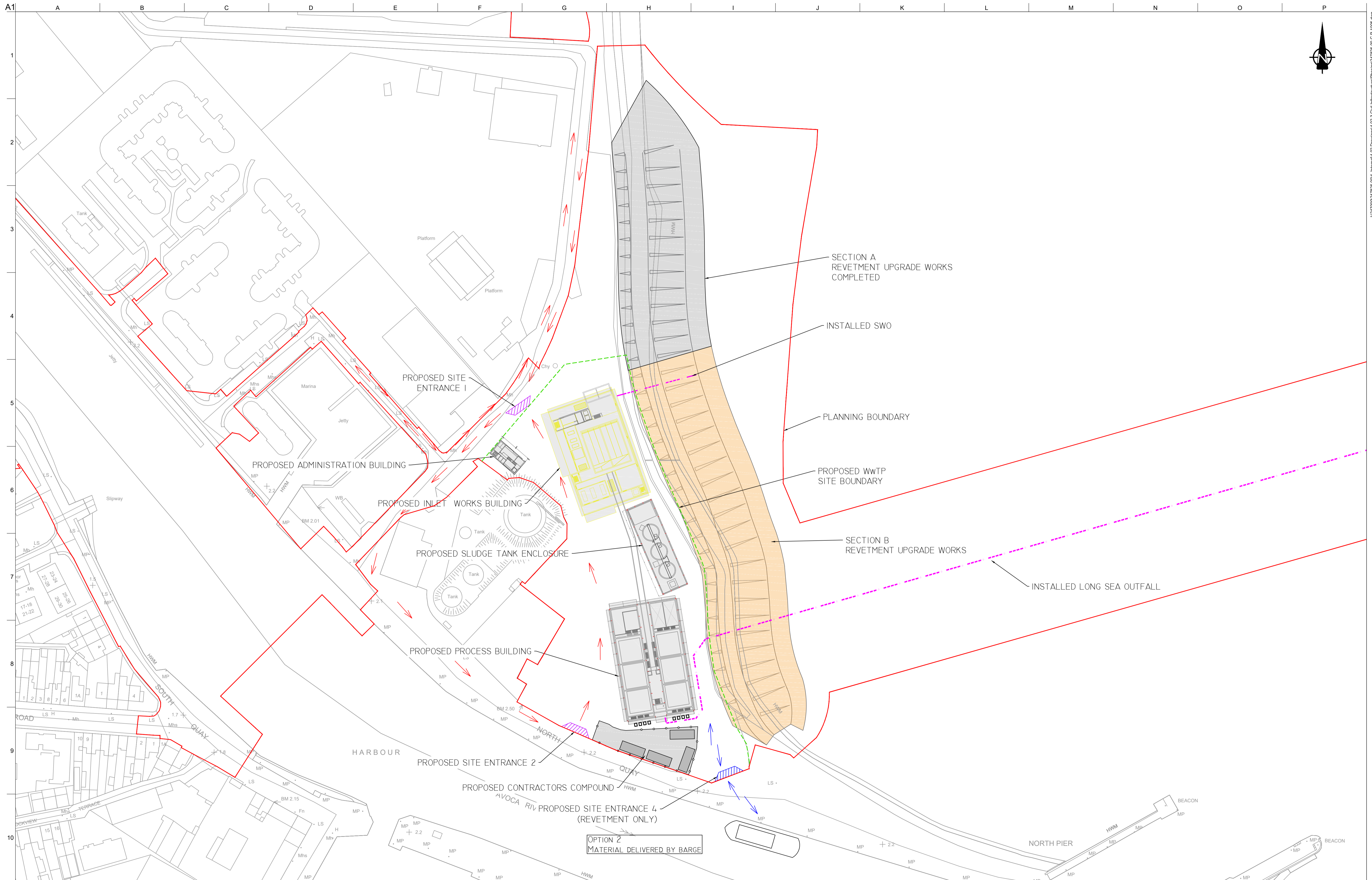
Drawing Title
ARKLOW WwTP - DEEP EXCAVATION FOR BUILDINGS, TANKS & SUB-STRUCTURES & SHORT OUTFALL CONSTRUCTION

Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-P-1004 A

Issue
P1



NOTES:

- ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
- ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.

LEGEND

- PROPOSED SITE ENTRANCES
- CONSTRUCT NEW BUILDINGS \ ABOVE GROUND STRUCTURES
- CONSTRUCTION TRAFFIC
- PROPOSED OUTFALL / SWO

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	EP	C'OD

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 1:1000

Discipline
 Civil

CLANCY MOORE ARCHITECTS

Drawing Title
ARKLOW WwTP CONSTRUCT ABOVE GROUND STRUCTURES

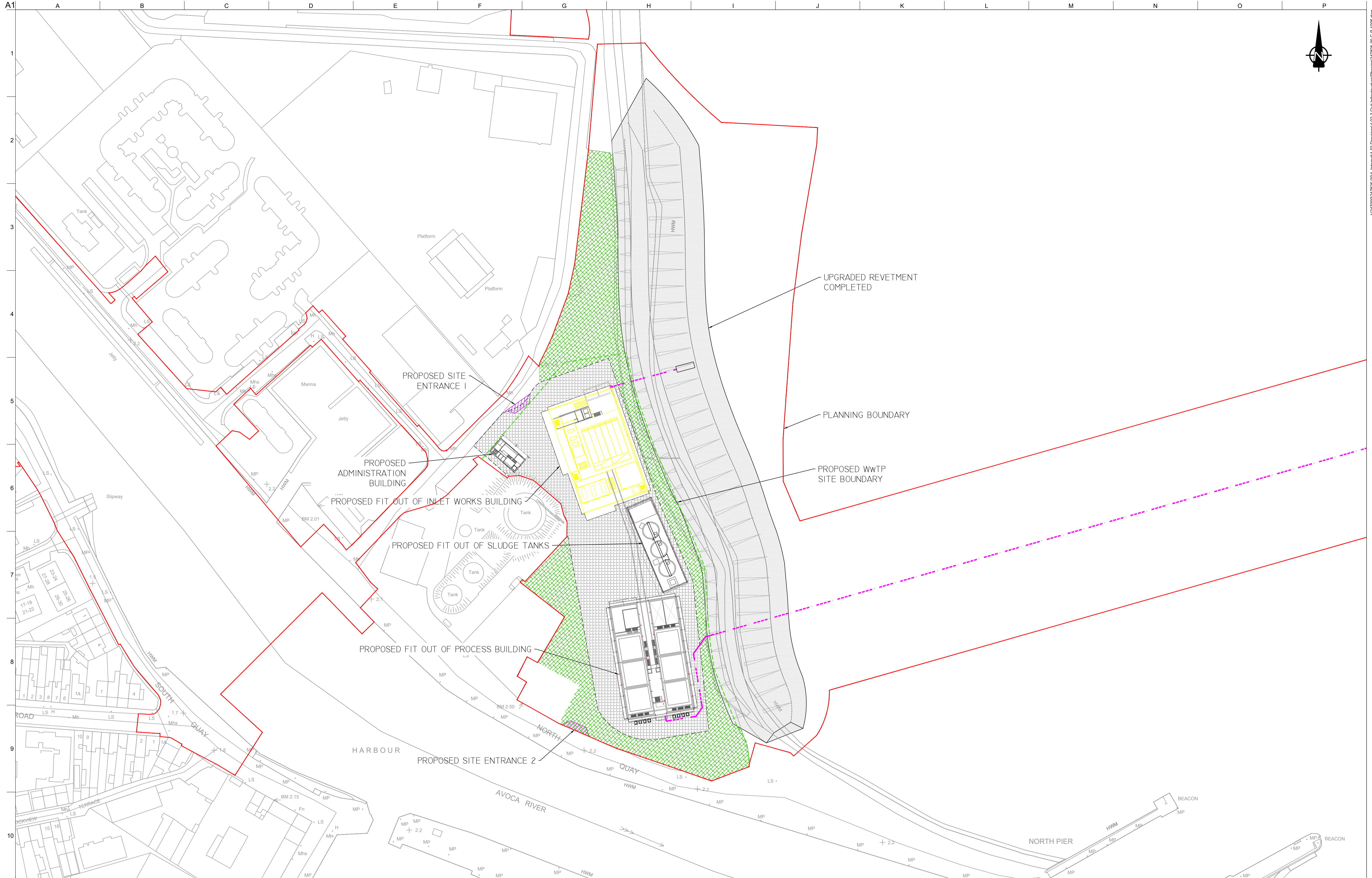
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-P-1005

Issue
P1

J:\2017000247825-004_ InHm4-IG Drawings\4023 Civil Infrastructure\Planning\247825-00-C-P-1005.dwg



NOTES:
 1. ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 2. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.

LEGEND

	PROPOSED SITE ENTRANCES
	PROPOSED HARDSTANDING
	PROPOSED LANDSCAPING
	PROPOSED WWTP SITE BOUNDARY
	PROPOSED PLANNING BOUNDARY

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	03/09/18	TD	EP	C'OD
Issue	Date	By	Chkd	Appd



Client
 Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1
 1:1000
 Discipline
 Civil

ARUP BYRNELOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
ARKLOW WwTP - EXTERNAL FINISHING AND INTERNAL MECHANICAL AND ELECTRICAL FITOUT
 Drawing Status
PLANNING
 Job No
247825-00 Drawing No
C-P-1006 Issue
P1

J:\2017000\247825-004 - InHm4-IG Drawings\4-02-3 Civil Infrastructure\Planning\247825-00-C-P-1006.dwg




Legend

- Planning Boundary
- Proposed interceptor sewer (southern)
- Proposed interceptor sewer (northern)
- Proposed river crossing
- Proposed outfall / SWO
- Temporary access road/construction compounds

The datasets shown in this map are sourced from Wicklow County Council

Issue	Date	By	Chkd	Appd
P1	03/09/2018	AF	CMcK	COD

Client



Job Title
Arklow Wastewater Treatment Plant Project

Scale at A3
1:8,000

Discipline
Environmental

ARUP

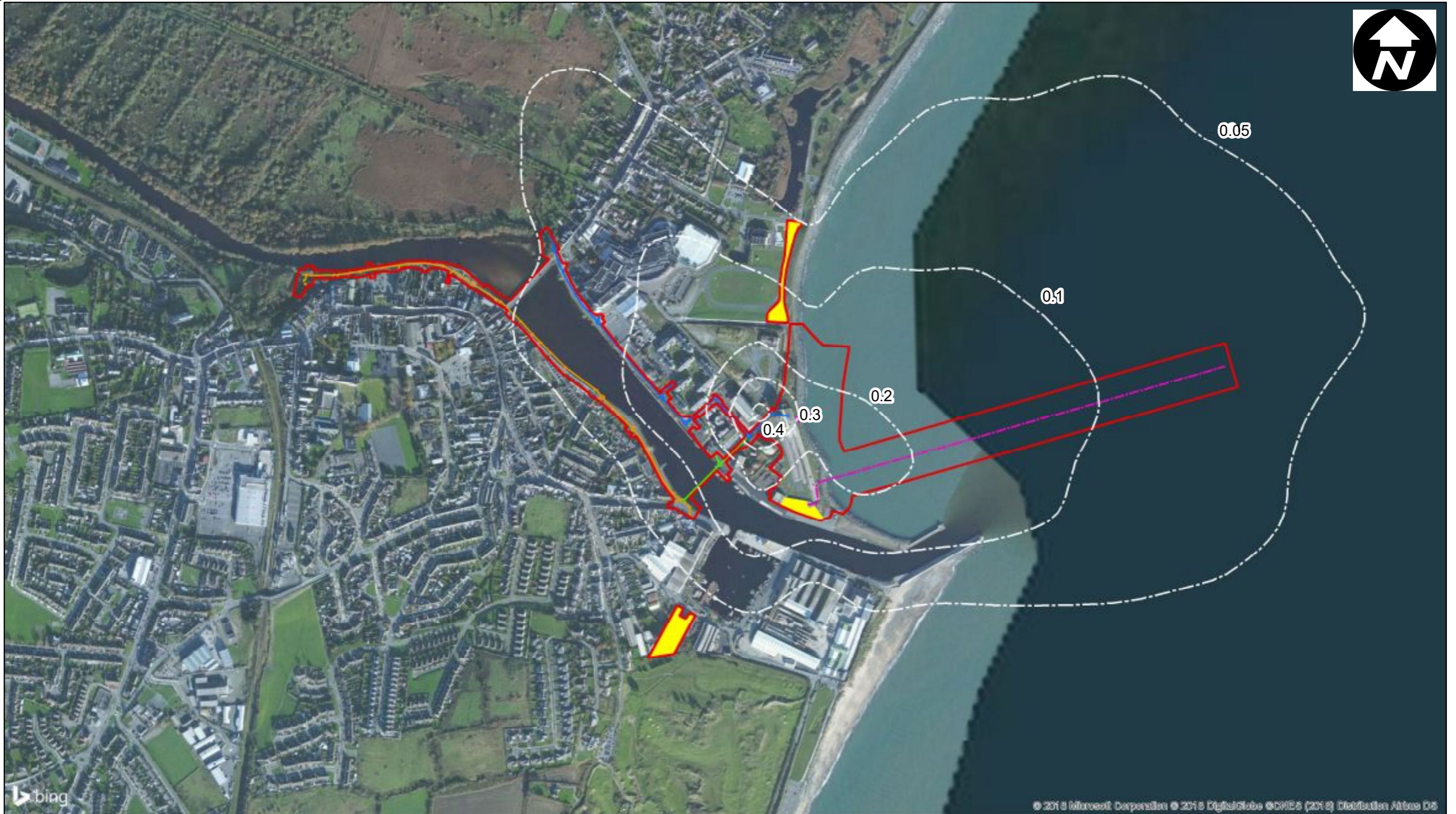
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
Air quality receptor locations

Drawing Status
PLANNING

Job No 247825-00	Drawing No Figure 8.1	Issue P1
----------------------------	---------------------------------	--------------------



- Legend**
- Planning Boundary
 - Proposed interceptor sewer (southern)
 - Proposed interceptor sewer (northern)
 - Proposed river crossing
 - Proposed outfall / SWO
 - Temporary access road/construction compounds

Issue	Date	By	Chkd	Appd
P1	04/09/2018	AF	CMcK	COD

Client

Job Title
Arklow Wastewater Treatment Plant Project

Scale at A3
1:8,000

Discipline
Environmental

ARUP
BYRNE LOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
98th percentile of 1 hour values for odour (OUE/m3)

Drawing Status
PLANNING

Job No 247825-00	Drawing No Figure 9.1	Issue P1
----------------------------	---------------------------------	--------------------



Legend

- Noise monitoring locations
- Planning Boundary
- Proposed interceptor sewer (southern)
- Proposed interceptor sewer (northern)
- Proposed river crossing
- Proposed outfall / SWO
- Temporary access road/construction compounds

The datasets shown in this map are sourced from Wicklow County Council

P1	03/09/2018	AF	CMcK	COD
Issue	Date	By	Chkd	Appd

Client



Job Title

Arklow Wastewater Treatment Plant Project

Scale at A3

1:8,000

Discipline

Environmental

ARUP

BYRNE LOOBY

CLANCY MOORE ARCHITECTS

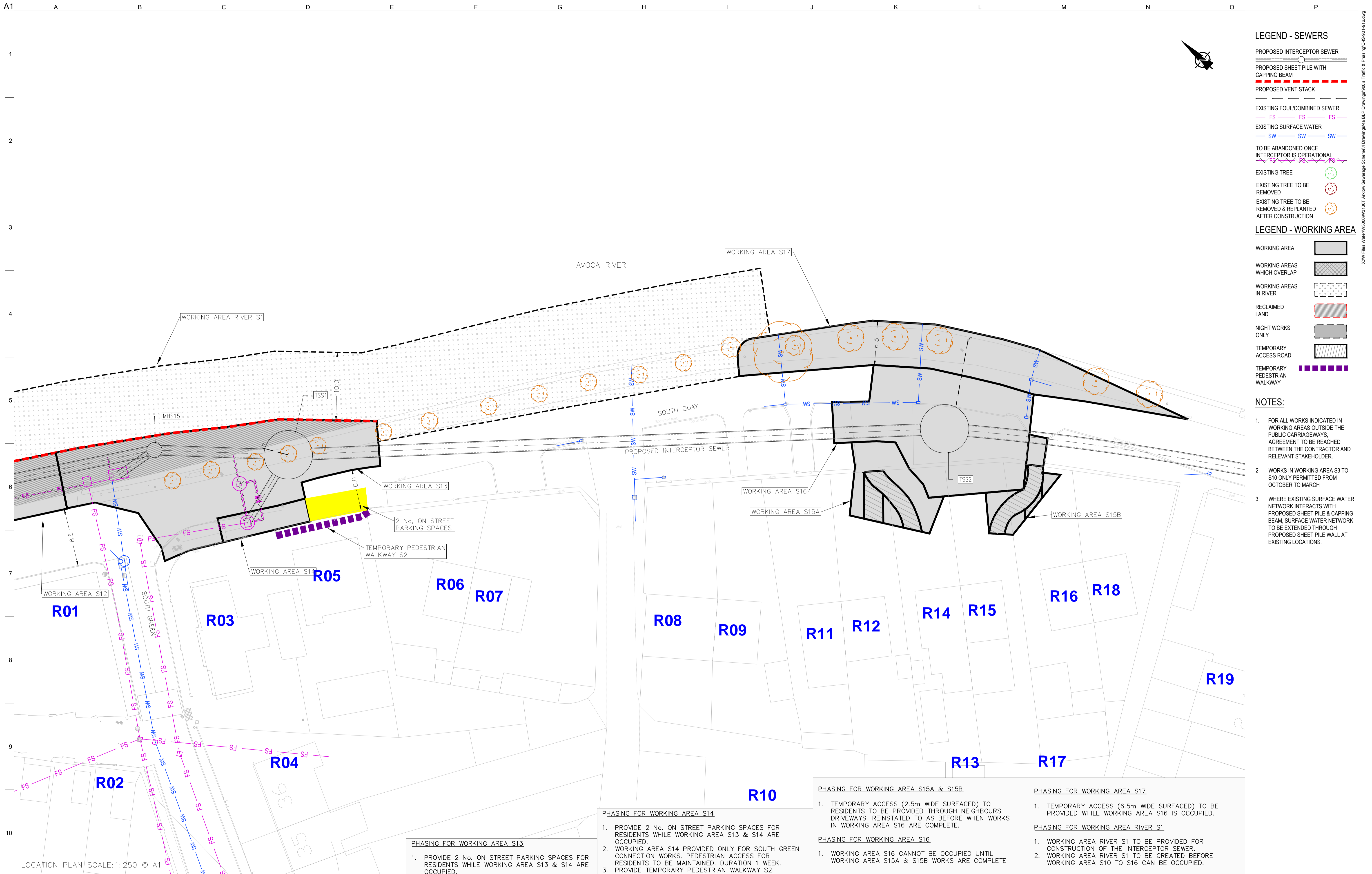
Drawing Title

Noise monitoring locations and operational sensitive receptors

Drawing Status

PLANNING

Job No 247825-00	Drawing No Figure 10.1	Issue P1
----------------------------	----------------------------------	--------------------



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- WORKING AREAS IN RIVER
- RECLAIMED LAND
- NIGHT WORKS ONLY
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

LOCATION PLAN SCALE: 1:250 © A1

PHASING FOR WORKING AREA S13

1. PROVIDE 2 No. ON STREET PARKING SPACES FOR RESIDENTS WHILE WORKING AREA S13 & S14 ARE OCCUPIED.
2. WORKING AREA S14 PROVIDED ONLY FOR SOUTH GREEN CONNECTION WORKS. PEDESTRIAN ACCESS FOR RESIDENTS TO BE MAINTAINED. DURATION 1 WEEK.
3. PROVIDE TEMPORARY PEDESTRIAN WALKWAY S2.

PHASING FOR WORKING AREA S14

1. PROVIDE 2 No. ON STREET PARKING SPACES FOR RESIDENTS WHILE WORKING AREA S13 & S14 ARE OCCUPIED.
2. WORKING AREA S14 PROVIDED ONLY FOR SOUTH GREEN CONNECTION WORKS. PEDESTRIAN ACCESS FOR RESIDENTS TO BE MAINTAINED. DURATION 1 WEEK.
3. PROVIDE TEMPORARY PEDESTRIAN WALKWAY S2.

PHASING FOR WORKING AREA S15A & S15B

1. TEMPORARY ACCESS (2.5m WIDE SURFACED) TO RESIDENTS TO BE PROVIDED THROUGH NEIGHBOURS DRIVEWAYS. REINSTATED TO AS BEFORE WHEN WORKS IN WORKING AREA S16 ARE COMPLETE.

PHASING FOR WORKING AREA S16

1. WORKING AREA S16 CANNOT BE OCCUPIED UNTIL WORKING AREA S15A & S15B WORKS ARE COMPLETE

PHASING FOR WORKING AREA S17

1. TEMPORARY ACCESS (6.5m WIDE SURFACED) TO BE PROVIDED WHILE WORKING AREA S16 IS OCCUPIED.

PHASING FOR WORKING AREA RIVER S1

1. WORKING AREA RIVER S1 TO BE PROVIDED FOR CONSTRUCTION OF THE INTERCEPTOR SEWER.
2. WORKING AREA RIVER S1 TO BE CREATED BEFORE WORKING AREA S10 TO S16 CAN BE OCCUPIED.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland



Client



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN
Discipline CIVIL

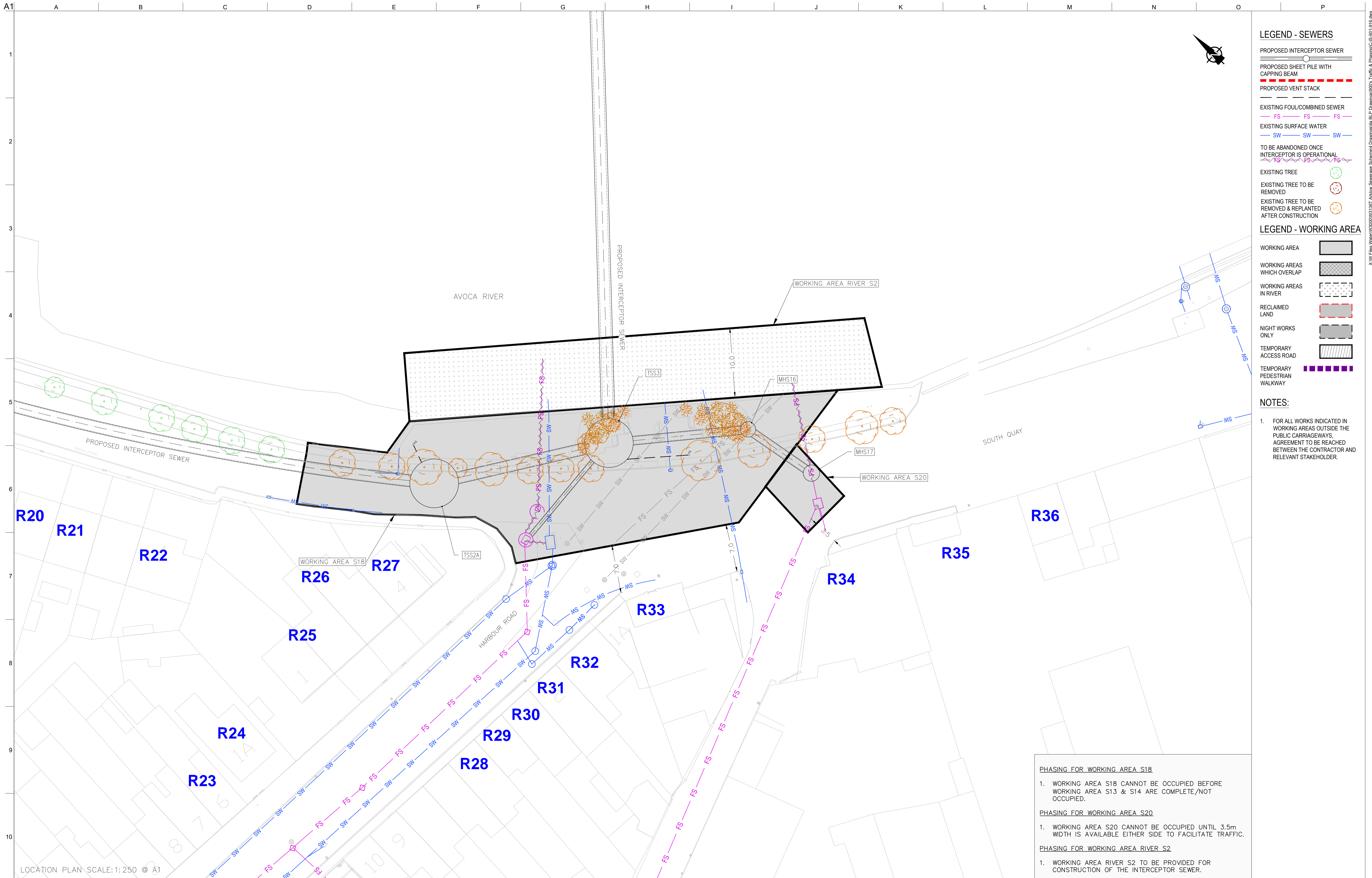


CLANCY MOORE ARCHITECTS

Drawing Title
Noise and Vibration Sensitive Receptors Sheet 1 of 7

Drawing Status
PLANNING

Job No	Drawing No	Issue
247825-00	Figure 10.2	P1



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- WORKING AREAS IN RIVER
- RECLAIMED LAND
- NIGHT WORKS ONLY
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

PHASING FOR WORKING AREA S18

1. WORKING AREA S18 CANNOT BE OCCUPIED BEFORE WORKING AREA S13 & S14 ARE COMPLETE/NOT OCCUPIED.

PHASING FOR WORKING AREA S20

1. WORKING AREA S20 CANNOT BE OCCUPIED UNTIL 3.5m WIDTH IS AVAILABLE EITHER SIDE TO FACILITATE TRAFFIC.

PHASING FOR WORKING AREA RIVER S2

1. WORKING AREA RIVER S2 TO BE PROVIDED FOR CONSTRUCTION OF THE INTERCEPTOR SEWER.

LOCATION PLAN SCALE: 1: 250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland



Client



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

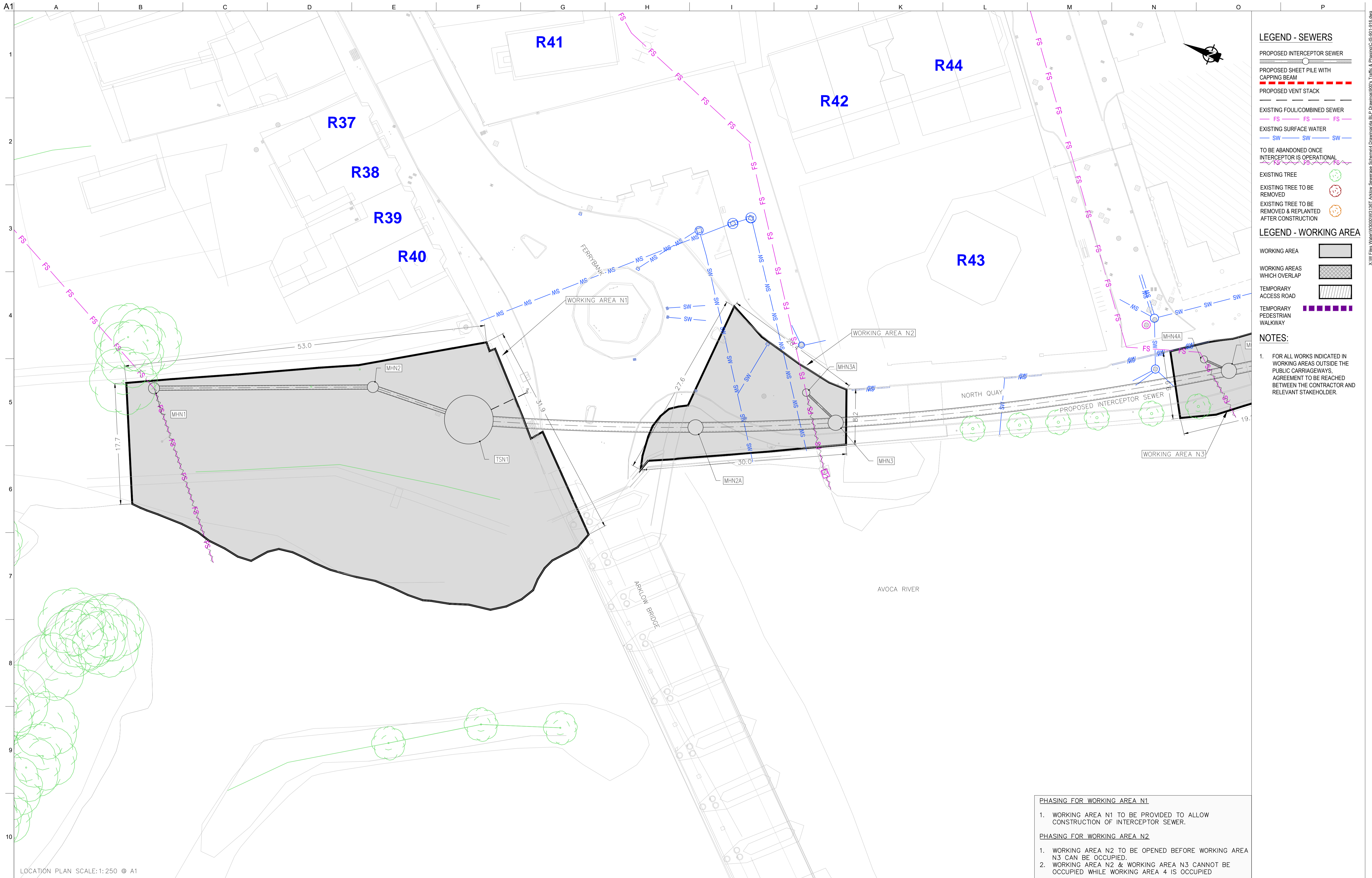
Scale at A1 AS SHOWN
Discipline CIVIL

ARUP BYRNELOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
Noise and Vibration Sensitive Receptors Sheet 2 of 7

Drawing Status
PLANNING
Job No 247825-00 Drawing No Figure10.2 Issue P1

Issue	Date	By	Chkd	Appd
P1	31/08	MS	DR	ES



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

PHASING FOR WORKING AREA N1

- WORKING AREA N1 TO BE PROVIDED TO ALLOW CONSTRUCTION OF INTERCEPTOR SEWER.

PHASING FOR WORKING AREA N2

- WORKING AREA N2 TO BE OPENED BEFORE WORKING AREA N3 CAN BE OCCUPIED.
- WORKING AREA N2 & WORKING AREA N3 CANNOT BE OCCUPIED WHILE WORKING AREA 4 IS OCCUPIED

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
Noise and Vibration Sensitive Receptors Sheet 3 of 7

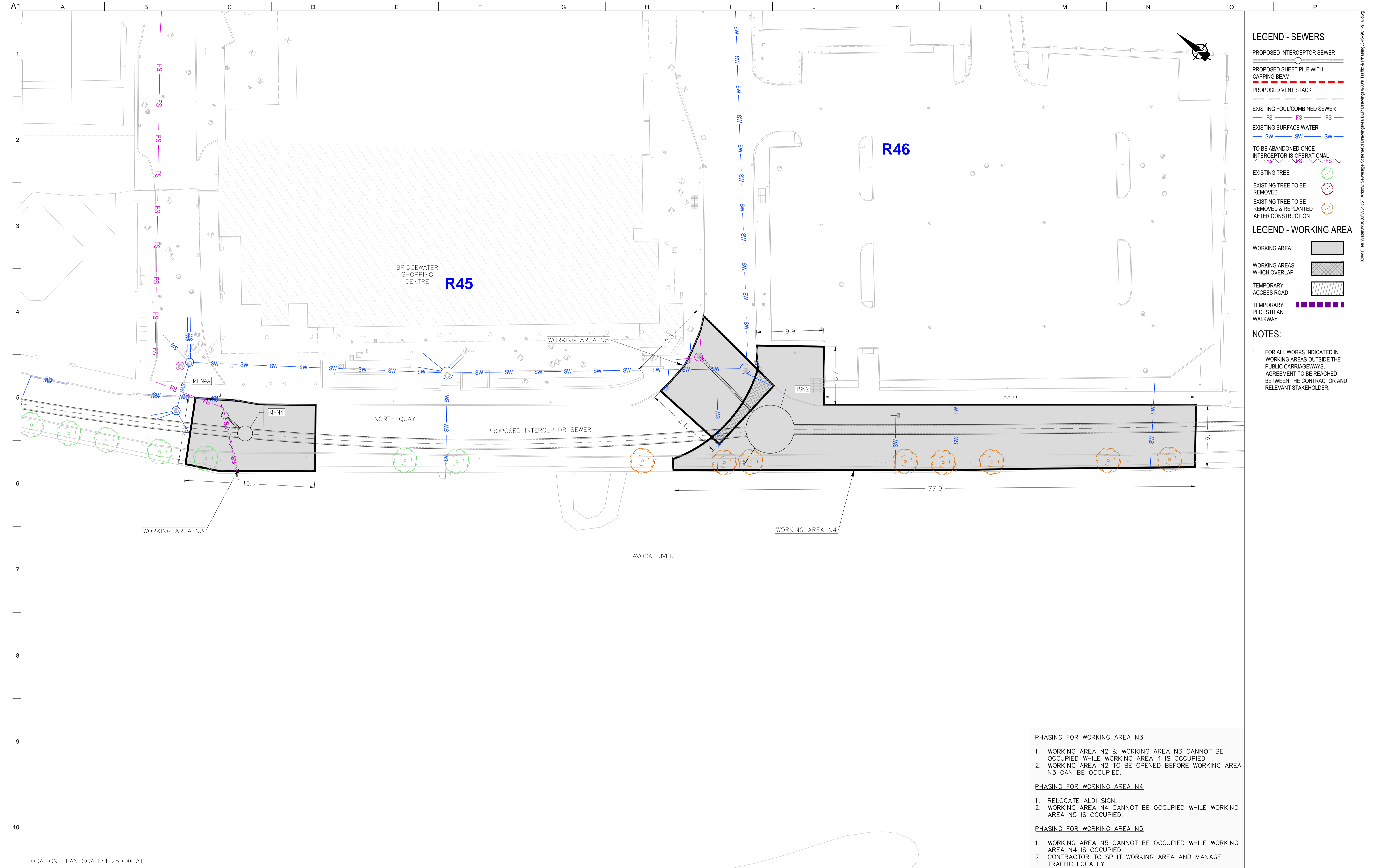
Drawing Status
PLANNING

Job No
247825-00

Drawing No
Figure 10.2

Issue
P1

Issue	Date	By	Chkd	Appd
P1	31/08	MS	DR	ES



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

PHASING FOR WORKING AREA N3

1. WORKING AREA N2 & WORKING AREA N3 CANNOT BE OCCUPIED WHILE WORKING AREA 4 IS OCCUPIED.
2. WORKING AREA N2 TO BE OPENED BEFORE WORKING AREA N3 CAN BE OCCUPIED.

PHASING FOR WORKING AREA N4

1. RELOCATE ALDI SIGN.
2. WORKING AREA N4 CANNOT BE OCCUPIED WHILE WORKING AREA N5 IS OCCUPIED.

PHASING FOR WORKING AREA N5

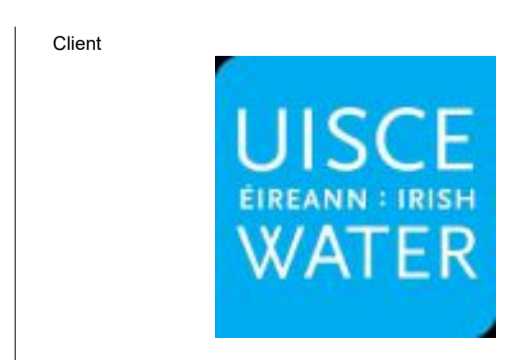
1. WORKING AREA N5 CANNOT BE OCCUPIED WHILE WORKING AREA N4 IS OCCUPIED.
2. CONTRACTOR TO SPLIT WORKING AREA AND MANAGE TRAFFIC LOCALLY.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland



P1	31/08	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 AS SHOWN

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

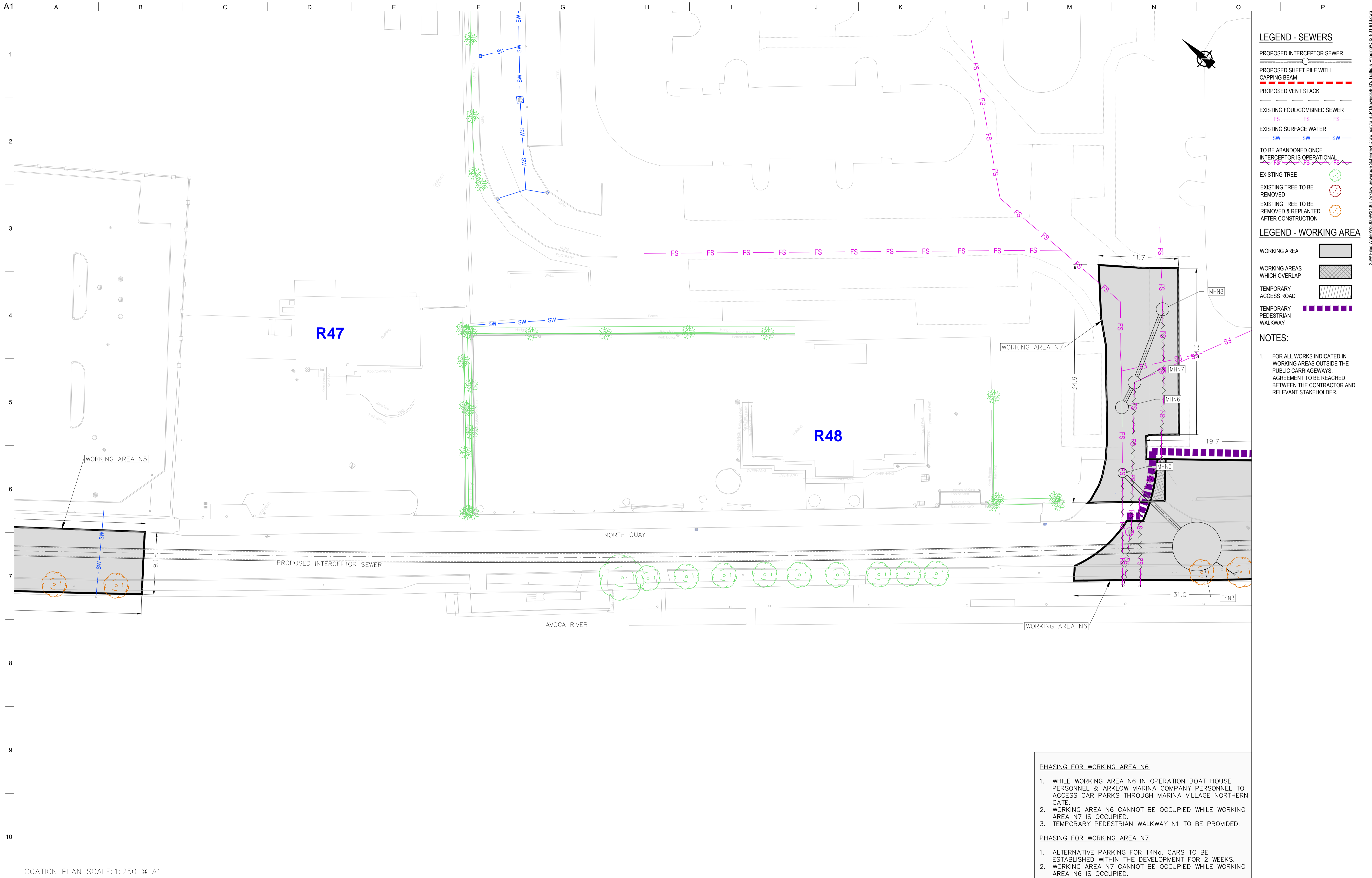
Drawing Title
Noise and Vibration Sensitive Receptors Sheet 4 of 7

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 Figure 10.2

Issue
 P1



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

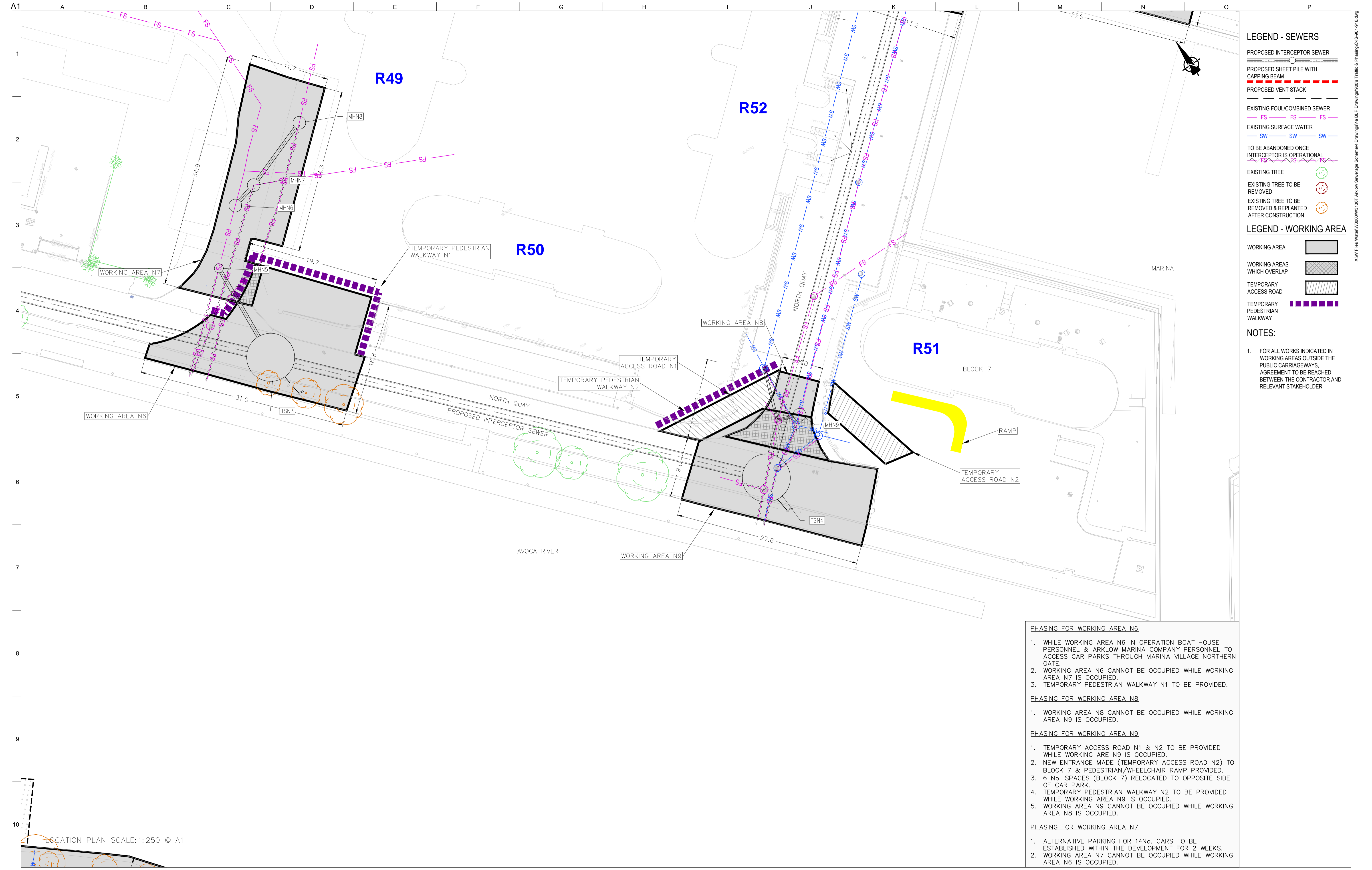
NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

- PHASING FOR WORKING AREA N6**
1. WHILE WORKING AREA N6 IN OPERATION BOAT HOUSE PERSONNEL & ARKLOW MARINA COMPANY PERSONNEL TO ACCESS CAR PARKS THROUGH MARINA VILLAGE NORTHERN GATE.
 2. WORKING AREA N6 CANNOT BE OCCUPIED WHILE WORKING AREA N7 IS OCCUPIED.
 3. TEMPORARY PEDESTRIAN WALKWAY N1 TO BE PROVIDED.
- PHASING FOR WORKING AREA N7**
1. ALTERNATIVE PARKING FOR 14N6 CARS TO BE ESTABLISHED WITHIN THE DEVELOPMENT FOR 2 WEEKS.
 2. WORKING AREA N7 CANNOT BE OCCUPIED WHILE WORKING AREA N6 IS OCCUPIED.

LOCATION PLAN SCALE: 1:250 @ A1

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p>	<p>Client</p>	<p>Job Title ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	<p>Drawing Title Noise and Vibration Sensitive Receptors Sheet 5 of 7</p> <p>Drawing Status PLANNING</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; width: 30%;">Job No 247825-00</td> <td style="border: 1px solid black; width: 30%;">Drawing No Figure 10.2</td> <td style="border: 1px solid black; width: 30%;">Issue P1</td> </tr> </table>	Job No 247825-00	Drawing No Figure 10.2	Issue P1
Job No 247825-00	Drawing No Figure 10.2	Issue P1				



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

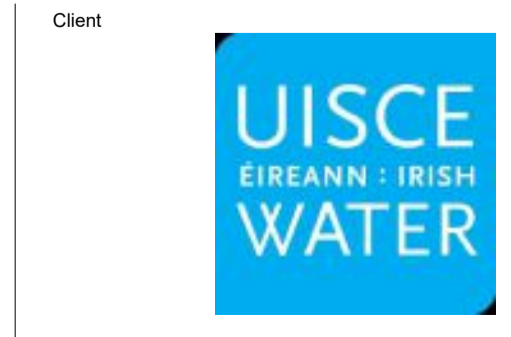
NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

- PHASING FOR WORKING AREA N6**
1. WHILE WORKING AREA N6 IN OPERATION BOAT HOUSE PERSONNEL & ARKLOW MARINA COMPANY PERSONNEL TO ACCESS CAR PARKS THROUGH MARINA VILLAGE NORTHERN GATE.
 2. WORKING AREA N6 CANNOT BE OCCUPIED WHILE WORKING AREA N7 IS OCCUPIED.
 3. TEMPORARY PEDESTRIAN WALKWAY N1 TO BE PROVIDED.
- PHASING FOR WORKING AREA N8**
1. WORKING AREA N8 CANNOT BE OCCUPIED WHILE WORKING AREA N9 IS OCCUPIED.
- PHASING FOR WORKING AREA N9**
1. TEMPORARY ACCESS ROAD N1 & N2 TO BE PROVIDED WHILE WORKING ARE N9 IS OCCUPIED.
 2. NEW ENTRANCE MADE (TEMPORARY ACCESS ROAD N2) TO BLOCK 7 & PEDESTRIAN/WHEELCHAIR RAMP PROVIDED.
 3. 6 No. SPACES (BLOCK 7) RELOCATED TO OPPOSITE SIDE OF CAR PARK.
 4. TEMPORARY PEDESTRIAN WALKWAY N2 TO BE PROVIDED WHILE WORKING AREA N9 IS OCCUPIED.
 5. WORKING AREA N9 CANNOT BE OCCUPIED WHILE WORKING AREA N8 IS OCCUPIED.
- PHASING FOR WORKING AREA N7**
1. ALTERNATIVE PARKING FOR 14No. CARS TO BE ESTABLISHED WITHIN THE DEVELOPMENT FOR 2 WEEKS.
 2. WORKING AREA N7 CANNOT BE OCCUPIED WHILE WORKING AREA N6 IS OCCUPIED.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
Noise and Vibration Sensitive Receptors
Sheet 6 of 7

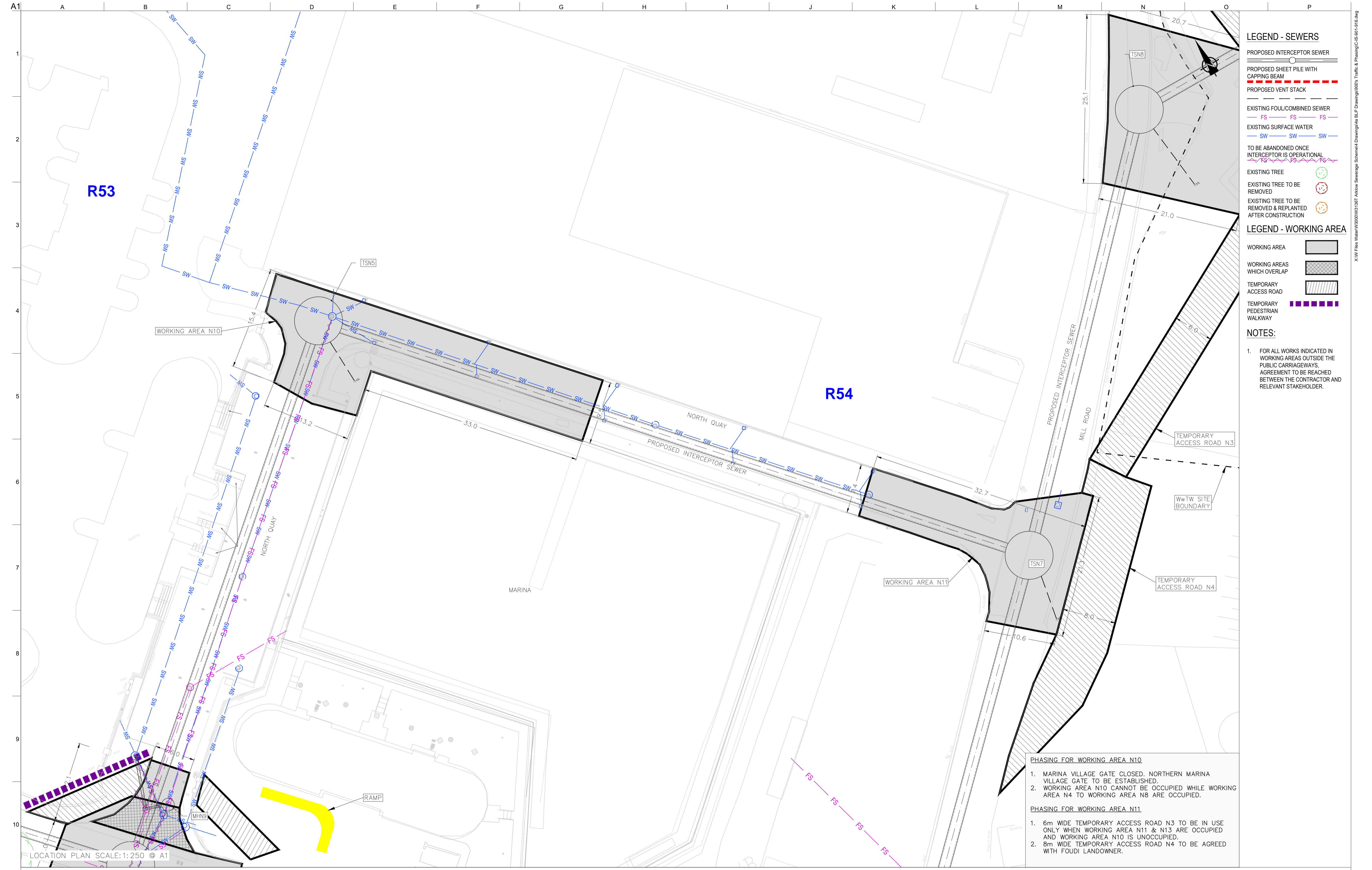
Drawing Status
PLANNING

Job No
247825-00

Drawing No
Figure 10.2

Issue
P1

Issue	Date	By	Chkd	Appd
P1	31/08	MS	DR	ES



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

- PHASING FOR WORKING AREA N10**
1. MARINA VILLAGE GATE CLOSED. NORTHERN MARINA VILLAGE GATE TO BE ESTABLISHED.
 2. WORKING AREA N10 CANNOT BE OCCUPIED WHILE WORKING AREA N4 TO WORKING AREA N8 ARE OCCUPIED.
- PHASING FOR WORKING AREA N11**
1. 6m WIDE TEMPORARY ACCESS ROAD N3 TO BE IN USE ONLY WHEN WORKING AREA N11 & N13 ARE OCCUPIED AND WORKING AREA N10 IS UNOCCUPIED.
 2. 8m WIDE TEMPORARY ACCESS ROAD N4 TO BE AGREED WITH FOUDI LANDOWNER.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland



Issue	Date	By	Chkd	Appd
P1	31/08	MS	DR	ES



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

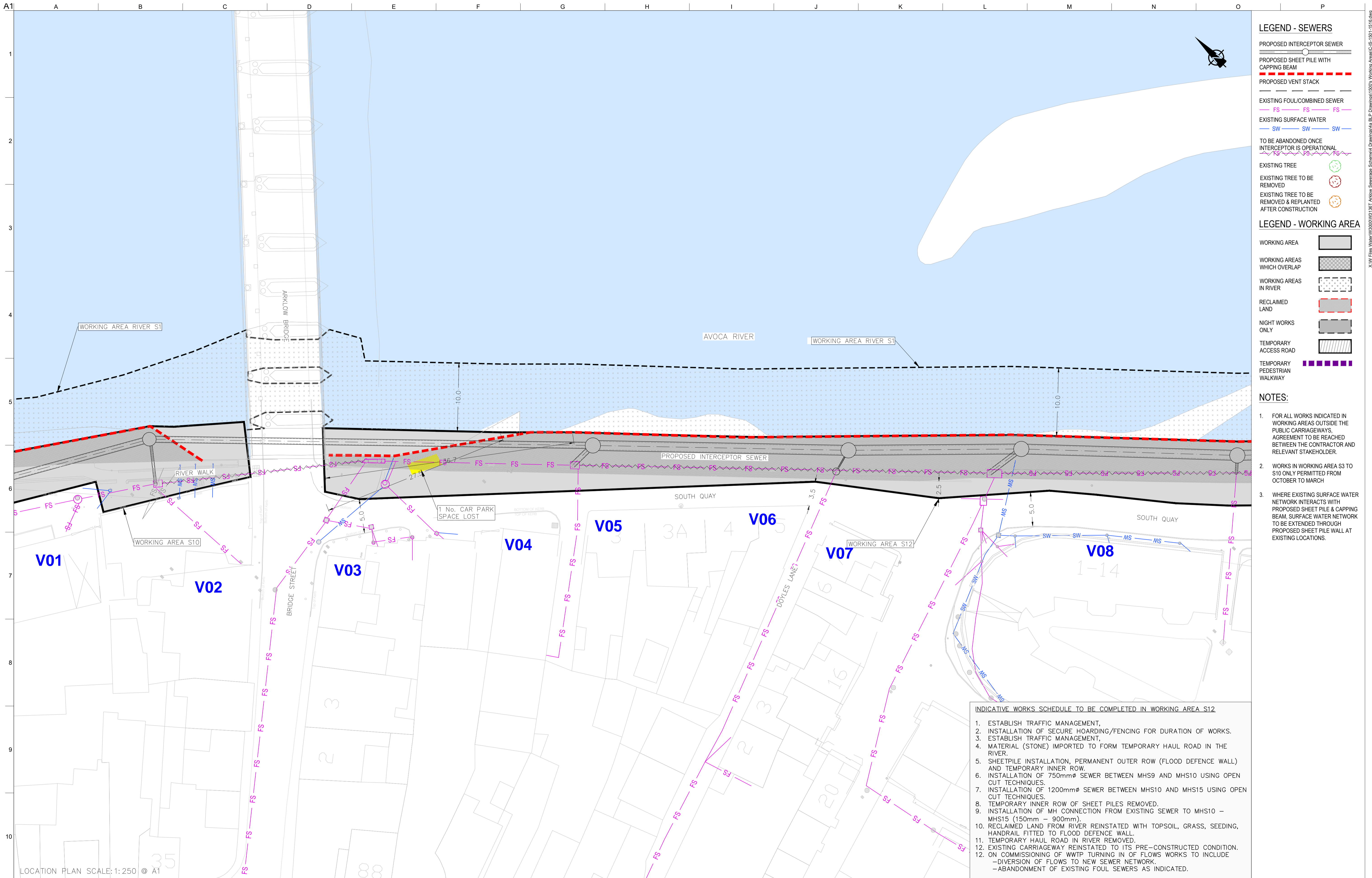
Drawing Title
Noise and Vibration Sensitive Receptors Sheet 7 of 7

Drawing Status
PLANNING

Job No
247825-00

Drawing No
Figure 10.2

Issue
P1



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- WORKING AREAS IN RIVER
- RECLAIMED LAND
- NIGHT WORKS ONLY
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S12

1. ESTABLISH TRAFFIC MANAGEMENT.
2. INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS.
3. ESTABLISH TRAFFIC MANAGEMENT.
4. MATERIAL (STONE) IMPORTED TO FORM TEMPORARY HAUL ROAD IN THE RIVER.
5. SHEETPILE INSTALLATION, PERMANENT OUTER ROW (FLOOD DEFENCE WALL) AND TEMPORARY INNER ROW.
6. INSTALLATION OF 750mmØ SEWER BETWEEN MHS9 AND MHS10 USING OPEN CUT TECHNIQUES.
7. INSTALLATION OF 1200mmØ SEWER BETWEEN MHS10 AND MHS15 USING OPEN CUT TECHNIQUES.
8. TEMPORARY INNER ROW OF SHEET PILES REMOVED.
9. INSTALLATION OF MH CONNECTION FROM EXISTING SEWER TO MHS10 - MHS15 (150mm - 900mm).
10. RECLAIMED LAND FROM RIVER REINSTATED WITH TOPSOIL, GRASS, SEEDING, HANDRAIL FITTED TO FLOOD DEFENCE WALL.
11. TEMPORARY HAUL ROAD IN RIVER REMOVED.
12. EXISTING CARRIAGEWAY REINSTATED TO ITS PRE-CONSTRUCTED CONDITION.
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
Vibration Sensitive Receptors
Sheet 1 of 3

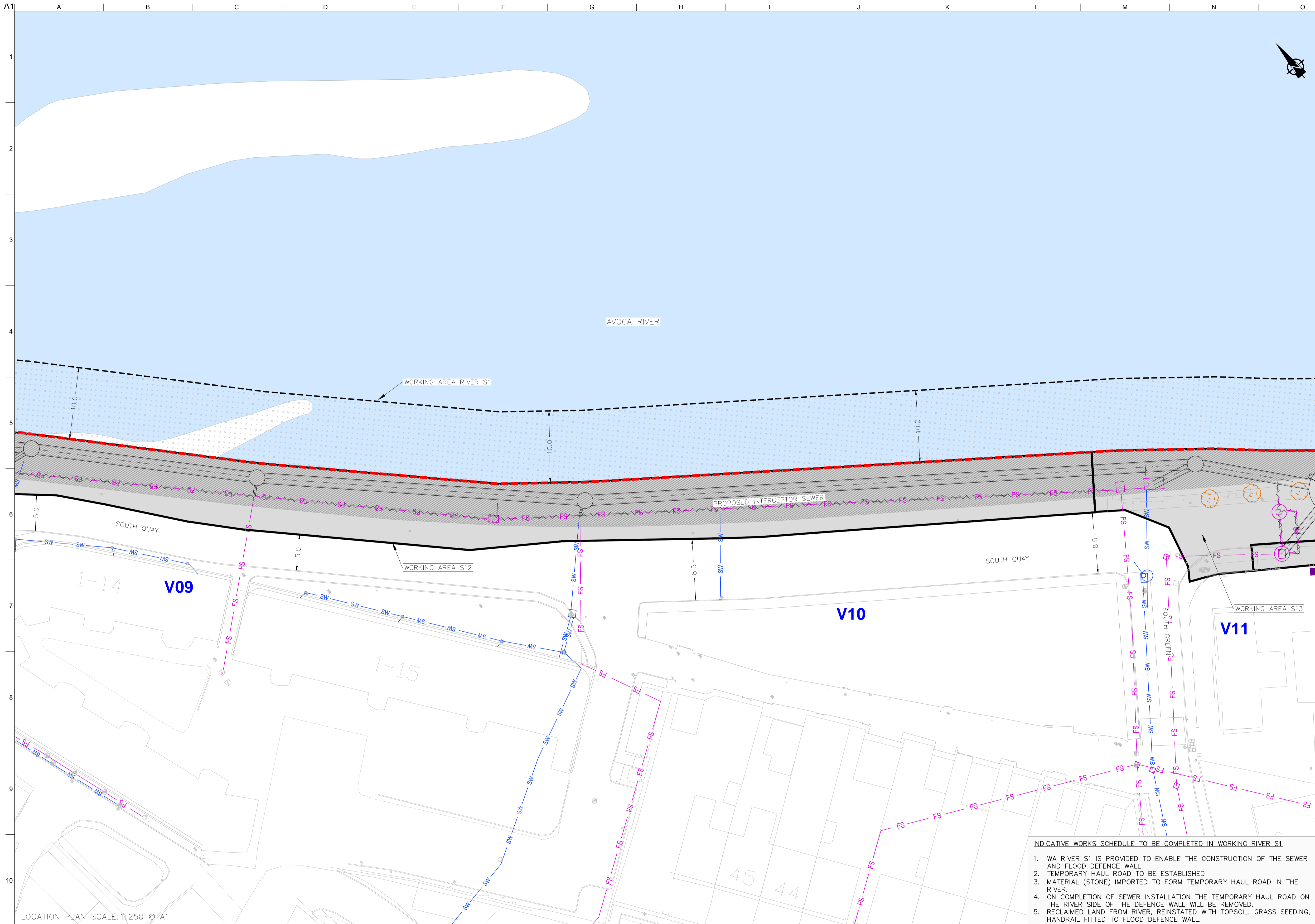
Drawing Status
PLANNING

Job No
247825-00

Drawing No
Figure 10.3

Issue
P1

P1	31/08	MS	DR	ES
Issue	Date	By	Chkd	Appd



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- WORKING AREAS IN RIVER
- RECLAIMED LAND
- NIGHT WORKS ONLY
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING RIVER S1

1. WA RIVER S1 IS PROVIDED TO ENABLE THE CONSTRUCTION OF THE SEWER AND FLOOD DEFENCE WALL.
2. TEMPORARY HAUL ROAD TO BE ESTABLISHED
3. MATERIAL (STONE) IMPORTED TO FORM TEMPORARY HAUL ROAD IN THE RIVER.
4. ON COMPLETION OF SEWER INSTALLATION THE TEMPORARY HAUL ROAD ON THE RIVER SIDE OF THE DEFENCE WALL WILL BE REMOVED.
5. RECLAIMED LAND FROM RIVER, REINSTATED WITH TOPSOIL, GRASS SEEDING, HANDRAIL FITTED TO FLOOD DEFENCE WALL.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland



Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

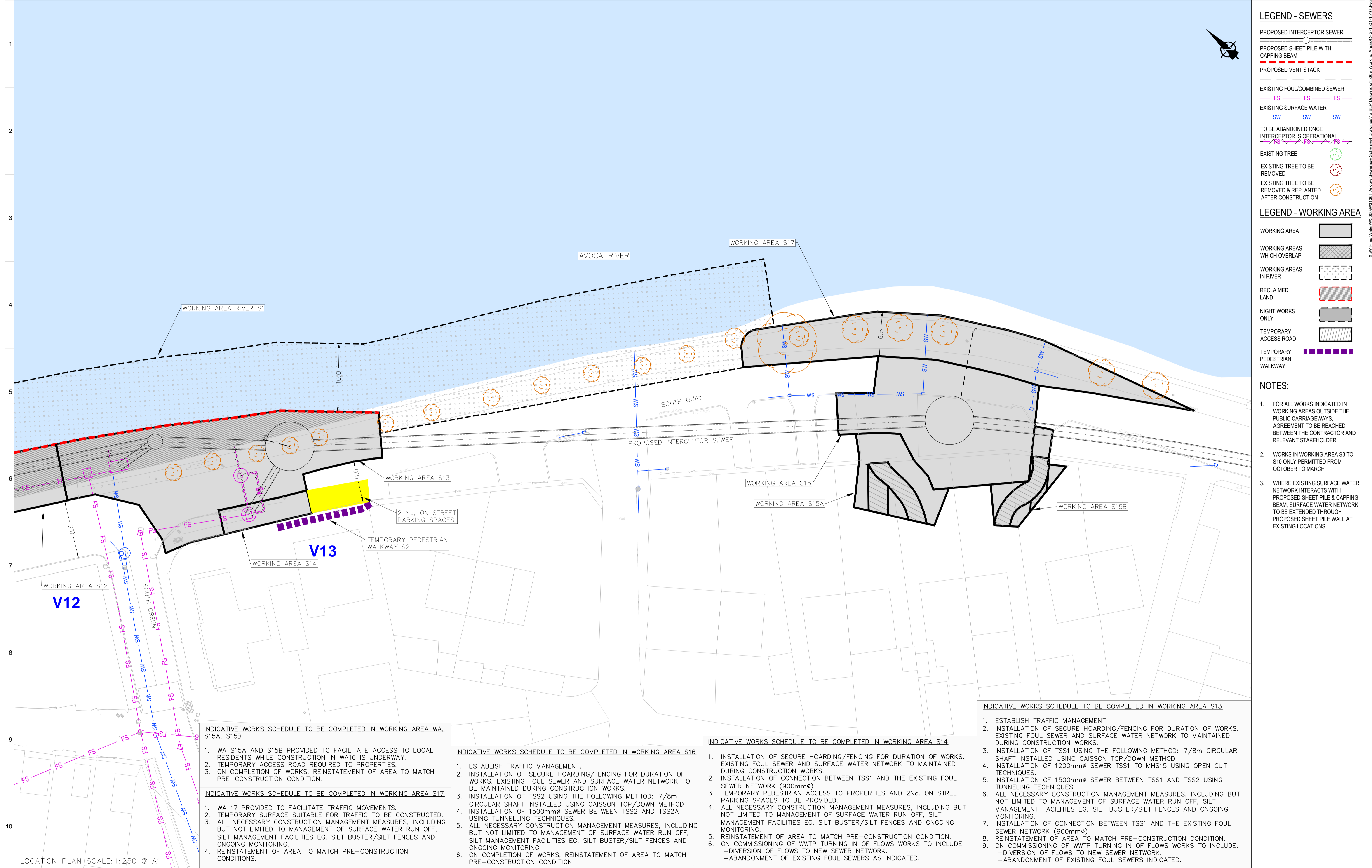
CLANCY MOORE ARCHITECTS

Drawing Title
Vibration Sensitive Receptors
Sheet 2 of 3

Drawing Status
PLANNING

Job No	Drawing No	Issue
247825-00	Figure 10.3	P1

P1	31/08	MS	DR	ES
Issue	Date	By	Chkd	Appd



LEGEND - SEWERS

- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- WORKING AREAS IN RIVER
- RECLAIMED LAND
- NIGHT WORKS ONLY
- TEMPORARY ACCESS ROAD
- TEMPORARY PEDESTRIAN WALKWAY

- ### NOTES:
- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 - WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
 - WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

LOCATION PLAN SCALE: 1:250 @ A1

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA WA. S15A, S15B
- WA S15A AND S15B PROVIDED TO FACILITATE ACCESS TO LOCAL RESIDENTS WHILE CONSTRUCTION IN WA16 IS UNDERWAY.
 - TEMPORARY ACCESS ROAD REQUIRED TO PROPERTIES.
 - ON COMPLETION OF WORKS, REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S17
- WA 17 PROVIDED TO FACILITATE TRAFFIC MOVEMENTS.
 - TEMPORARY SURFACE SUITABLE FOR TRAFFIC TO BE CONSTRUCTED.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S16
- ESTABLISH TRAFFIC MANAGEMENT.
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF TSS2 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD USING TUNNELLING TECHNIQUES.
 - INSTALLATION OF 1500mmØ SEWER BETWEEN TSS2 AND TSS2A USING TUNNELLING TECHNIQUES.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - ON COMPLETION OF WORKS, REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S14
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF CONNECTION BETWEEN TSS1 AND THE EXISTING FOUL SEWER NETWORK (900mmØ)
 - TEMPORARY PEDESTRIAN ACCESS TO PROPERTIES AND 2NO. ON STREET PARKING SPACES TO BE PROVIDED.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
 - ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S13
- ESTABLISH TRAFFIC MANAGEMENT
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF TSS1 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD
 - INSTALLATION OF 1200mmØ SEWER TSS1 TO MHS15 USING OPEN CUT TECHNIQUES.
 - INSTALLATION OF 1500mmØ SEWER BETWEEN TSS1 AND TSS2 USING TUNNELLING TECHNIQUES.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - INSTALLATION OF CONNECTION BETWEEN TSS1 AND THE EXISTING FOUL SEWER NETWORK (900mmØ)
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
 - ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS INDICATED.

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p>	<p>Client</p> <p>UISCE ÉIREANN : IRISH WATER</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	<p>Drawing Title</p> <p>Vibration Sensitive Receptors Sheet 3 of 3</p> <p>Drawing Status</p> <p>PLANNING</p> <p>Job No 247825-00 Drawing No Figure 10.3 Issue P1</p>
--	--	--	--

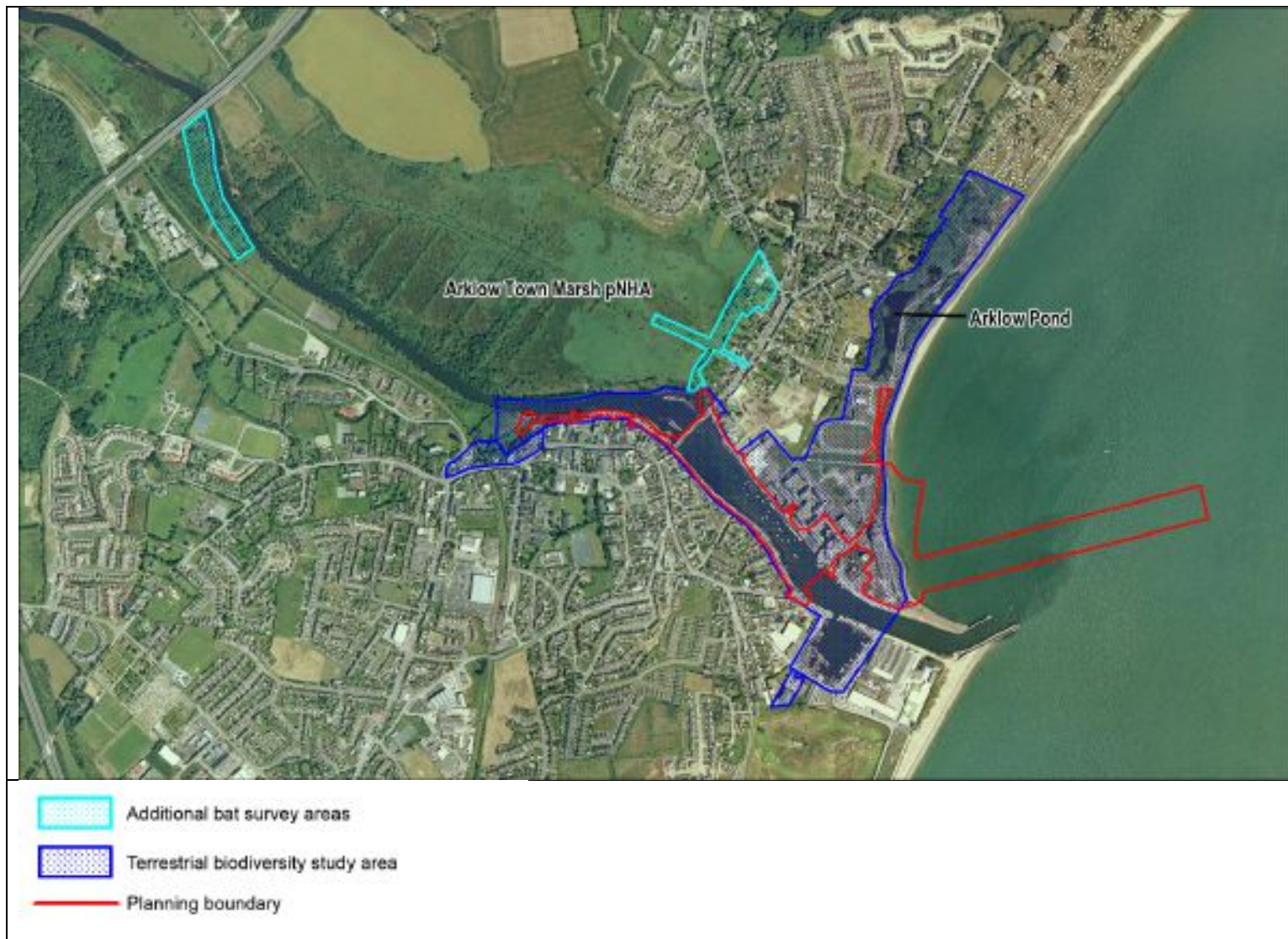
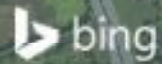



Figure 11.1. Terrestrial biodiversity study area



© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS

<p>Legend</p> <ul style="list-style-type: none"> ● Freshwater Ecology Sampling Points Planning boundary 	<p>Drawing prepared by Eleanor Mayes.</p>	<p>Client</p> 	<p>Job Title</p> <p>Arklow Wastewater Treatment Plant Project</p> <hr/> <p>Scale at A3</p> <p>1:12,000</p> <hr/> <p>Discipline</p> <p>Environmental</p>		<p>Drawing Title</p> <p>Freshwater Ecology Sampling Stations</p> <hr/> <p>Drawing Status</p> <p>Planning</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Job No</td> <td style="width: 33%;">Drawing No</td> <td style="width: 33%;">Issue</td> </tr> <tr> <td>247825-00</td> <td>Figure 11.2</td> <td>P1</td> </tr> </table>	Job No	Drawing No	Issue	247825-00	Figure 11.2	P1
Job No	Drawing No	Issue									
247825-00	Figure 11.2	P1									



- Legend**
- Planning boundary
 - Benthic Sampling Points
 - Seaward Boundary of Waterbird Survey Area

Drawing prepared by Eleanor Mayes.

Client



Job Title
Arklow Wastewater Treatment Plant Project

Scale at A3
1:20,000

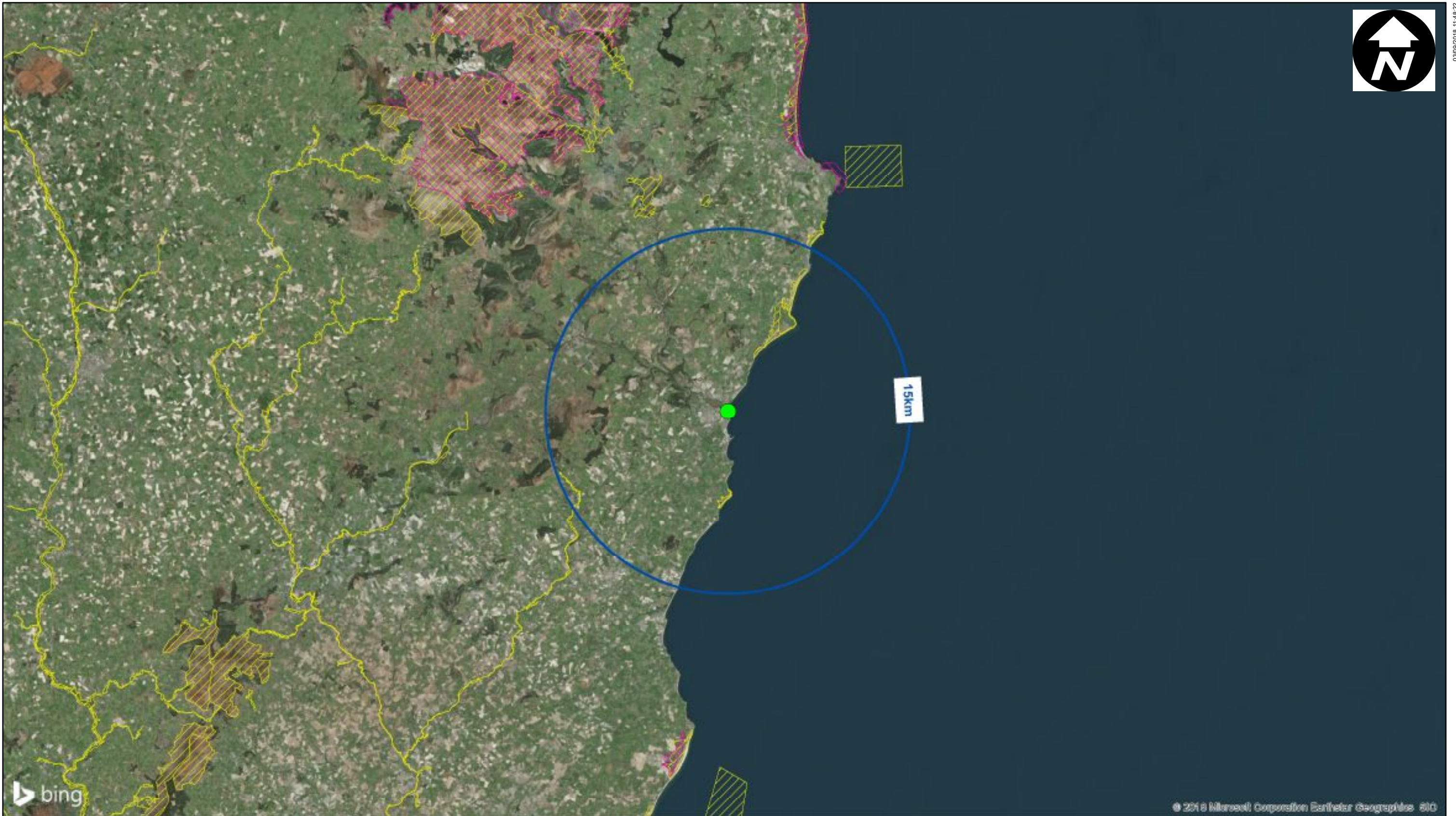
Discipline
Environmental



Drawing Title
Benthic sampling stations and seaward boundary of waterbird survey area

Drawing Status
Planning

Job No 247825-00	Drawing No Figure 11.3	Issue P1
----------------------------	----------------------------------	--------------------



© 2018 Microsoft Corporation. Earthstar Geographics. 610

- Legend**
- WwTP Treated Effluent Discharge
 - Buffer
 - SPA
 - SAC

Drawing prepared by Eleanor Mayes.
 Spatial datasets shown in this map are sourced from the National Parks and Wildlife Service.

Client



Job Title

Arklow Wastewater Treatment Plant Project

Scale at A3

1:300,000

Discipline

Environmental

ARUP
BYRNE LOOBY
CLANCY MOORE ARCHITECTS

Drawing Title

Natura 2000 sites

Drawing Status

Planning

Job No
247825-00

Drawing No
Figure 11.4

Issue
P1



© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS

- Legend**
-  Planning boundary
 -  pNHA

Drawing prepared by Eleanor Mayes.
 Spatial datasets shown in this map are sourced from the National

Client



Job Title

Arklow Wastewater Treatment Plant Project

Scale at A3
1:30,000

Discipline
Environmental

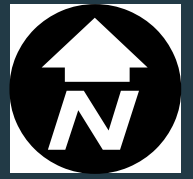


Drawing Title

Proposed development planning boundary and pNHAs in surrounding urban and rural areas


Drawing Status
Planning

Job No 247825-00	Drawing No Figure 11.5	Issue P1
----------------------------	----------------------------------	--------------------



© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS

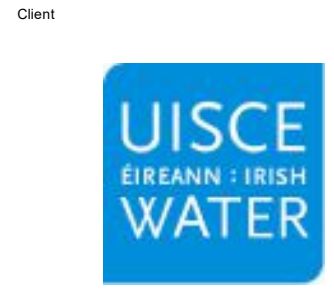
Legend

 Planning boundary

 pNHA

Drawing prepared by Eleanor Mayes.

Spatial datasets shown in this map are sourced from the National



Job Title

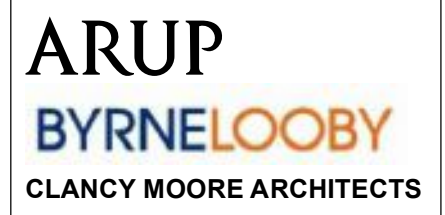
Arklow Wastewater Treatment Plant Project

Scale at A3

1:12,000

Discipline

Environmental



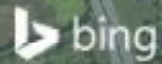
Drawing Title

Arklow Town Marsh pNHA

Drawing Status

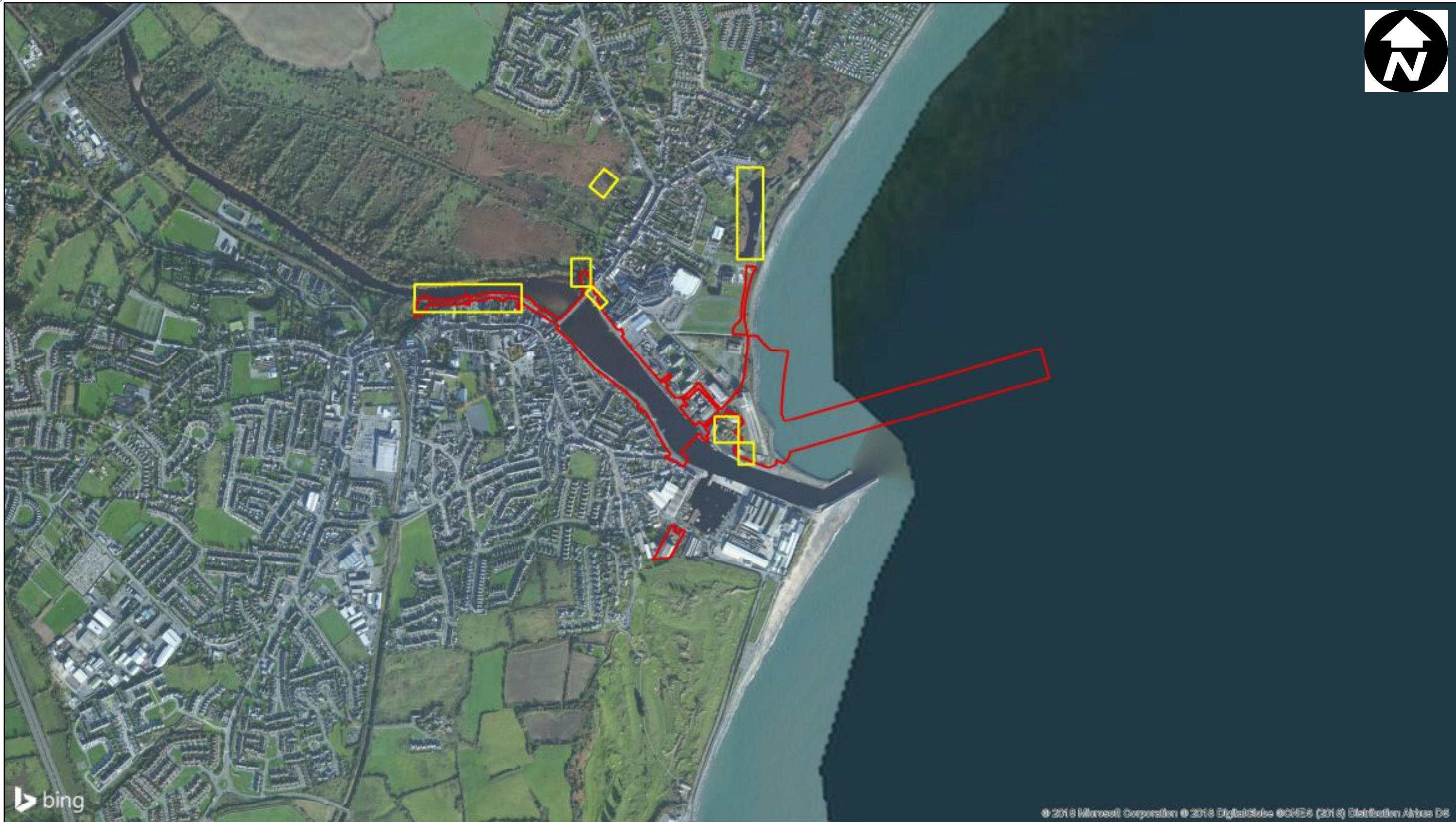
Planning

Job No	Drawing No	Issue
247825-00	Figure 11.6	P1



© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS

<p>Legend</p> <p>Invasive Species</p> <ul style="list-style-type: none">  Crocosmia  Himalayan Balsam  Japanese Knotweed  Rhododendron Ponticum  Sea Buckthorn  Spanish Bluebell  Planning boundary 	<p>Drawing prepared by Eleanor Mayes.</p>	<p>Client</p> 	<p>Job Title</p> <p>Arklow Wastewater Treatment Plant Project</p> <hr/> <p>Scale at A3</p> <p>1:12,000</p> <hr/> <p>Discipline</p> <p>Environmental</p>	  <p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>Invasive plant species recorded during baseline studies for the proposed development and for Arklow FRS</p> <hr/> <p>Drawing Status</p> <p>Planning</p> <table border="1" data-bbox="2487 1957 2884 2007"> <tr> <td>Job No</td> <td>Drawing No</td> <td>Issue</td> </tr> <tr> <td>247825-00</td> <td>Figure 11.7</td> <td>P1</td> </tr> </table>	Job No	Drawing No	Issue	247825-00	Figure 11.7	P1
Job No	Drawing No	Issue									
247825-00	Figure 11.7	P1									



© 2018 Microsoft Corporation © 2018 DigitalGlobe © CNES (2018) Distribution Airbus DS

- Legend**
- High Bat Activity Areas
 - Planning boundary

Drawing prepared by Eleanor Mayes.

Client



Job Title
Arklow Wastewater Treatment Plant Project

Scale at A3
1:12,000

Discipline
Environmental

ARUP
BYRNE LOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
Areas of high bat activity in the study area

Drawing Status
Planning

Job No
247825-00

Drawing No
Figure 11.8

Issue
P1

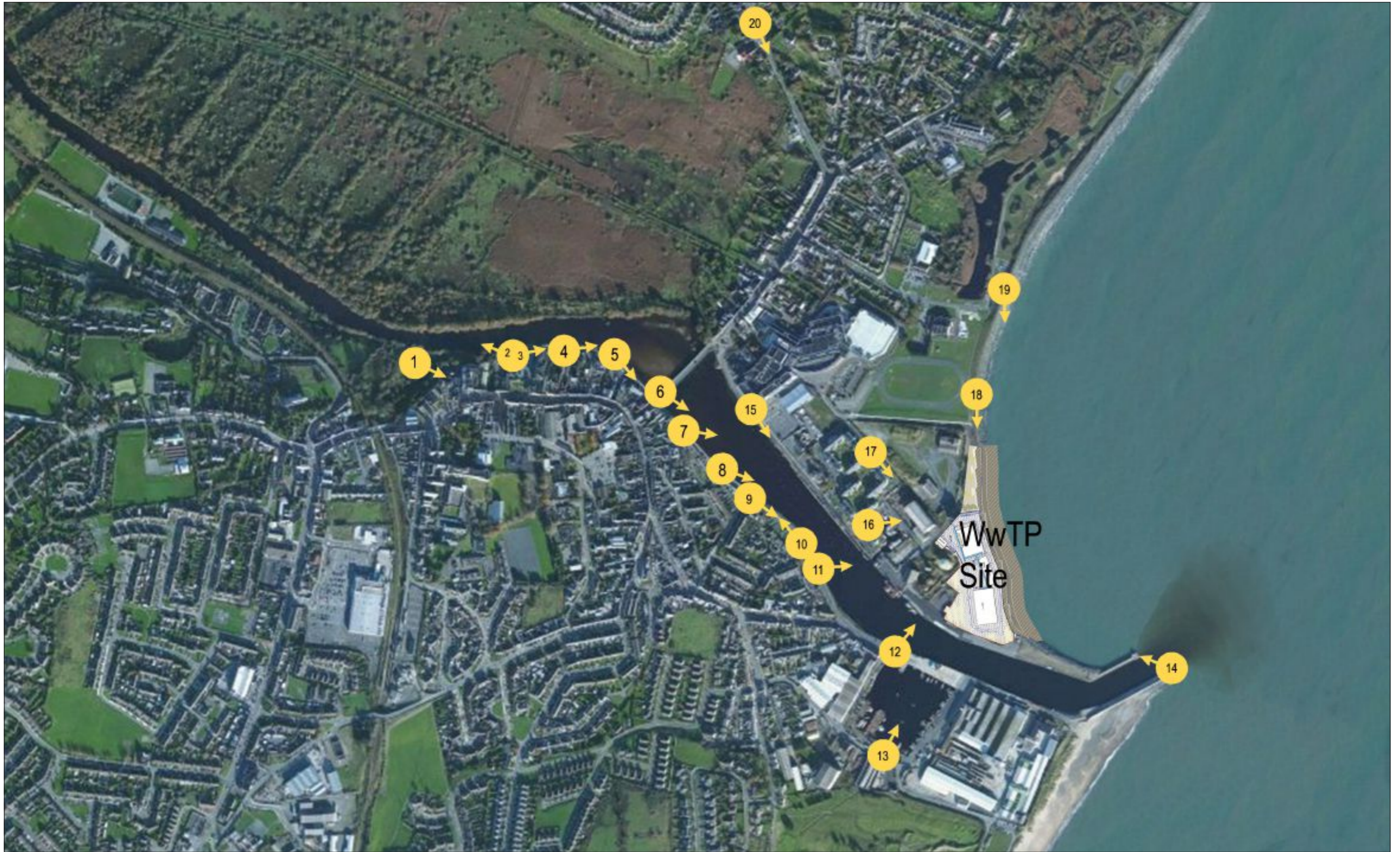


Figure: 13.1.0

Rev: 00
View Location Map

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.1.A Rev: 00
View 1 As Existing from River Walk at The Alps looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.1.B Rev: 01
View 1 As Proposed from River Walk at The Alps looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.2.A Rev: 00
View 2 As Existing from River Walk approaching town carpark looking up stream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.2.B Rev: 01
View 2 As Proposed from River Walk approaching town carpark looking up stream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.3.A Rev: 00
View 3 As Existing from River Walk at town carpark looking downstream

BSM
Brady Shipman
Martin.
Built.
Environment.
Est.
1968

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.3.B Rev: 00
View 3 As Proposed from River Walk at town carpark looking downstream

BSM
Brady Shipman
Martin.
Built.
Environment.
Est.
1968

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm < 54.4° / 35mm < 39.6° / 50mm < 28.8° / 70mm ANGLE OF VISION / LENS FOCAL LENGTH 70mm / 28.8° > 50mm / 39.6° > 35mm / 54.4° > 28mm / 65.5° >

Figure: 13.1.4.A **Rev: 00**
View 4 As Existing from River Walk at River Lane looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.4.B Rev: 00
View 4 As Proposed from River Walk at River Lane looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.5.A Rev: 00
View 5 As Existing from River Walk at retail units looking downstream

BSM
Brady Shipman
Martin.
Built.
Environment.
Est.
1968



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.5.B Rev: 01
View 5 As Proposed from River Walk at retail units looking downstream

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.6.A Rev: 00
View 6 As Existing from Arklow Bridge looking downstream

BSM Brady Shipman
Martin.
Est. 1968
Built.
Environment.

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.6.B Rev: 01
View 6 As Proposed from Arklow Bridge looking downstream

BSM Brady Shipman Martin.
Est. 1968
Built. Environment.

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.7.A Rev: 00
View 7 As Existing from South Quay at Doyle's Lane looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.7.B Rev: 00
View 7 As Proposed from South Quay at Doyle's Lane looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.8.A Rev: 00
View 8 As Existing from South Quay at Fogarty's Terrace looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.8.B Rev: 00
View 8 As Proposed from South Quay at Fogarty's Terrace looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.9.A Rev: 00
View 9 As Existing from South Quay near The Green looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.9.B Rev: 01
View 9 As Proposed from South Quay near The Green looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.10.A **Rev: 00**
View 10 As Existing from South Quay near slipway looking upstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.10.B **Rev: 01**
View 10 As Proposed from South Quay near slipway looking upstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.11.A Rev: 00
View 11 As Existing from South Quay at Seafarers Memorial Garden looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.11.B Rev: 01
View 11 As Proposed from South Quay at Seafarers Memorial Garden looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.12.A Rev: 00
View 12 As Existing from South Quay at Arklow Harbour looking across Avoca River



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

View 12 As Proposed from South Quay at Arklow Harbour looking across Avoca River

Figure: 13.1.12.B **Rev: 01**



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.13.A Rev: 00
View 13 As Existing across Arklow Harbour



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.13.B Rev: 01
View 13 As Proposed across Arklow Harbour



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.14.A Rev: 00
View 14 As Existing from end of South Pier



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.14.B Rev: 01
View 14 As Proposed from end of South Pier



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.15.A Rev: 00
View 15 As Existing from North Quay at Aldi looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm < 54.4° / 35mm < 39.6° / 50mm < 28.8° / 70mm ANGLE OF VISION / LENS FOCAL LENGTH 70mm / 28.8° > 50mm / 39.6° > 35mm / 54.4° > 28mm / 65.5° >

Figure: 13.1.15.B **Rev: 01**
View 15 As Proposed from North Quay at Aldi looking downstream



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



THE IMAGE ABOVE IS A PANORAMA ASSEMBLED FROM TWO OR MORE PHOTOGRAPHS

Figure: 13.1.16.A Rev: 00
View 16 As Existing from Marina Village across Arklow Marina

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



THE IMAGE ABOVE IS A PANORAMA ASSEMBLED FROM TWO OR MORE PHOTOGRAPHS

Figure: 13.1.16.B **Rev: 01**
View 16 As Proposed from Marina Village across Arklow Marina

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.17.A Rev: 00
View 17 As Existing from Marina Village internal access road



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.17.B Rev: 01
View 17 As Proposed from Marina Village internal access road

BSM
Brady Shipman
Martin.
Built.
Environment.
Est.
1968

Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.18.A Rev: 00
View 18 As Existing from existing revetment walk approaching Mill Road



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.18.B Rev: 01
View 18 As Proposed from existing revetment walk approaching Mill Road



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.19.A Rev: 00
View 19 As Existing from existing revetment walk near Seaview Avenue



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm	< 54.4° / 35mm	< 39.6° / 50mm	< 28.8° / 70mm	ANGLE OF VISION / LENS FOCAL LENGTH	70mm / 28.8° >	50mm / 39.6° >	35mm / 54.4° >	28mm / 65.5° >
----------------	----------------	----------------	----------------	-------------------------------------	----------------	----------------	----------------	----------------

Figure: 13.1.19.B Rev: 01
View 19 As Proposed from existing revetment walk near Seaview Avenue



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.20.A Rev: 00
View 20 As Existing from R772 Dublin Road opposite Highfield



Project Number:	6572	Document Number:	APPENDIX 13.1	Revision:	01
Project Name:	ARKLOW WWTP	Document Title:	PHOTOMONTAGES	Date:	29 August 2018



< 65.5° / 28mm | < 54.4° / 35mm | < 39.6° / 50mm | < 28.8° / 70mm | ANGLE OF VISION / LENS FOCAL LENGTH | 70mm / 28.8° > | 50mm / 39.6° > | 35mm / 54.4° > | 28mm / 65.5° >

Figure: 13.1.20.B Rev: 01
View 20 As Proposed from R772 Dublin Road opposite Highfield

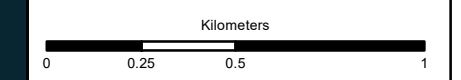




Legend

- Arklow Scheme Boundary
- 2km Buffer
- 20180831_PlanningBoundary

Issue	Date	By	Chkd	Appd
I1	2018-08-28	LM	CN	EW



ARUP
 50 Ringsend Road
 Dublin 4, D04 T6X0
 Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
 www.arup.com

Client
Irish Water

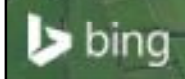
Job Title
Arklow Wastewater Treatment Plant Scheme

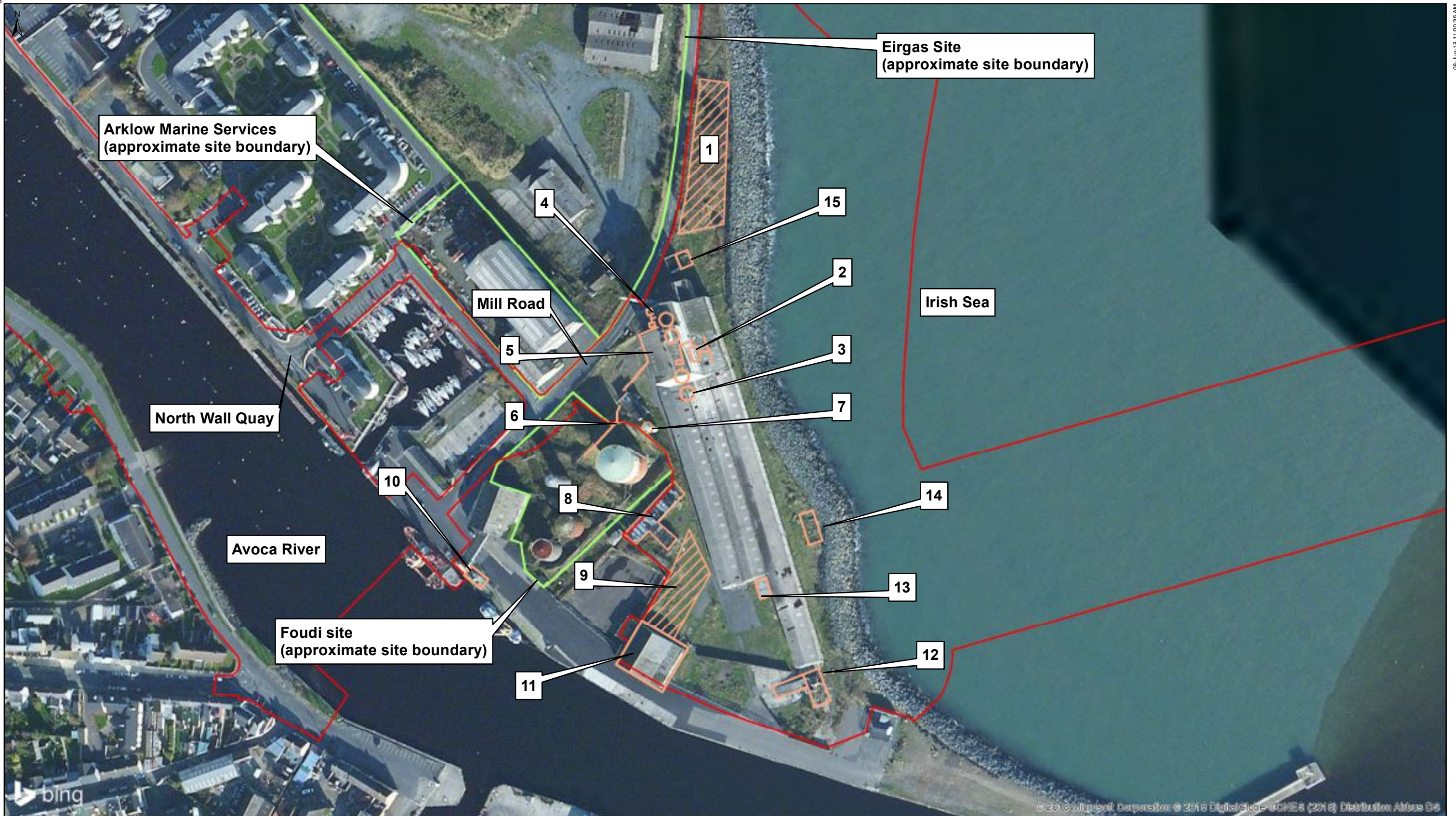
EIAR
Chapter 14 Land and Soils
Site location

Scale at A3
1:20,000

Job No 247825-00	Drawing Status For Information
----------------------------	--

Drawing No 14.1	Issue 11
---------------------------	--------------------





Legend

- Planning Boundary
- External Sites of Interest

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Area where ground level has been raised 2. Pits and trenches connecting pits 3. Circular structures seen on floor and ceiling 4. Pit smelling of oil 5. Concrete trench below ground 6. Pipe above ground 7. Above ground tank 8. Office reported to have been constructed using asbestos containing material | <ul style="list-style-type: none"> 9. Area where gun cotton was found on ground 10. Boat fuelling station 11. Masterglaze 12. Ramp and broken hopper 13. Electrical substation 14. Concrete pad and bund used for an above ground tank 15. Above ground tank supports |
|---|--|

Meters				
0 25 50 100				
11	2018-08-30	JF	CN	EW
Issue	Date	By	Chkd	Appd

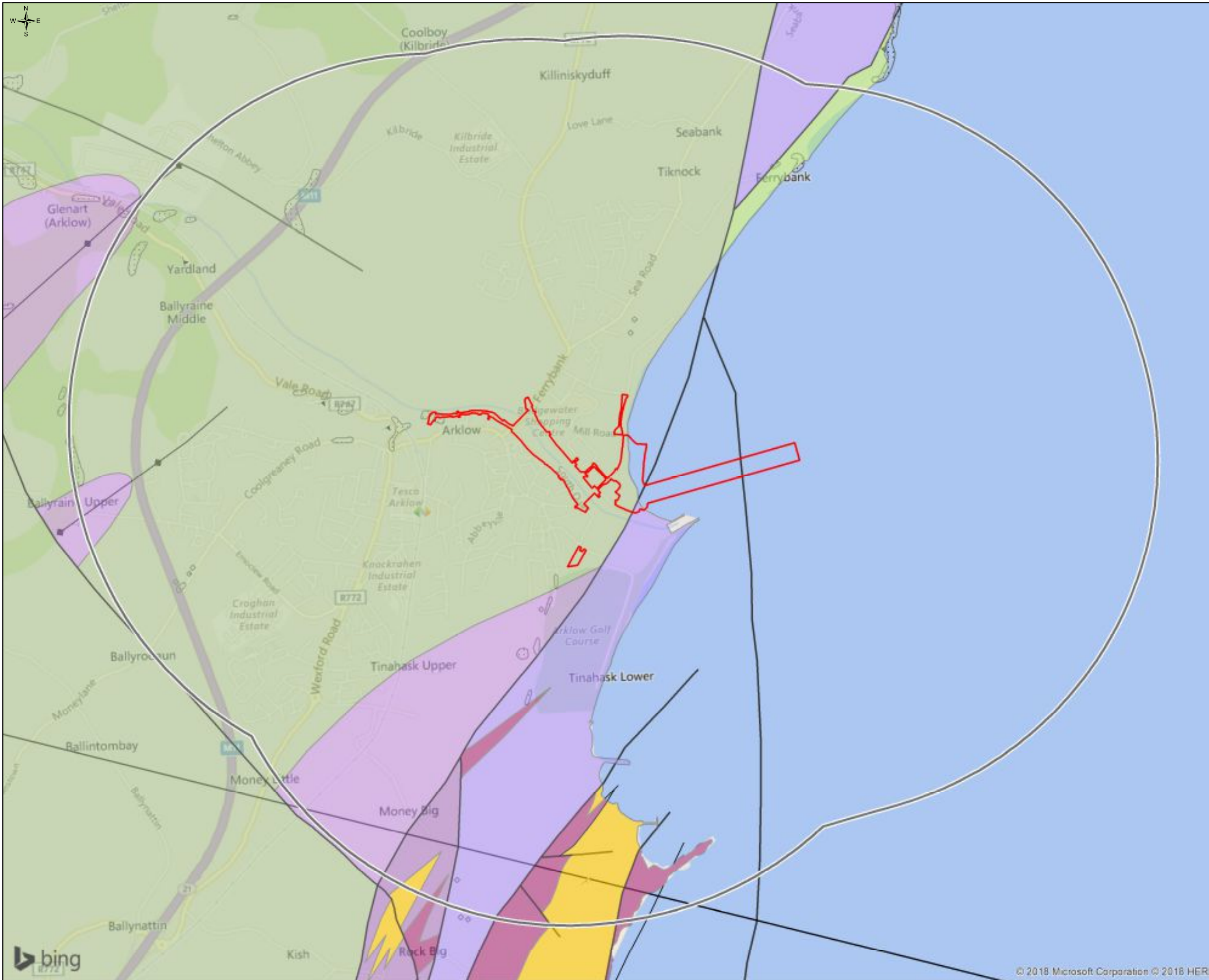
ARUP

50 Ringsend Road
Dublin 4, D04 T6X0
Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
www.arup.com

Client
Irish Water

Job Title
Wastewater Treatment Plant for the Arklow Wastewater Treatment Plant Project

Features identified during site visit on the 18th of October 2017	
Scale at A3	1:2,000
Job No	Drawing Status
247825-11	Issue
Drawing No	Issue
Figure 14.2	11



Legend

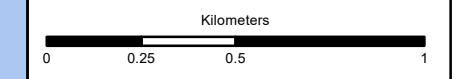
- Planning Boundary
- Arklow Scheme Boundary
2km Buffer

Bedrock 100k

- Dolerite (Slieve Gullion Complex)
- Ballylane Shale Formation
- Oaklands Formation
- Arklow Head Formation
- Felsic volcanics (Arklow Head Formation)
- Kilmacrea Formation
- Maulin Formation
- Bedrock Outcrop

- First foliation parallel to bedding
- Strike and dip of bedding, way up unknown
- Strike and dip of first foliation
- Anticlinal Axis
- Fault
- Lithological boundary offshore
- X-Section

I1	2018-08-28	LM	CN	EW
Issue	Date	By	Chkd	Appd



ARUP
 50 Ringsend Road
 Dublin 4, D04 T6X0
 Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
 www.arup.com

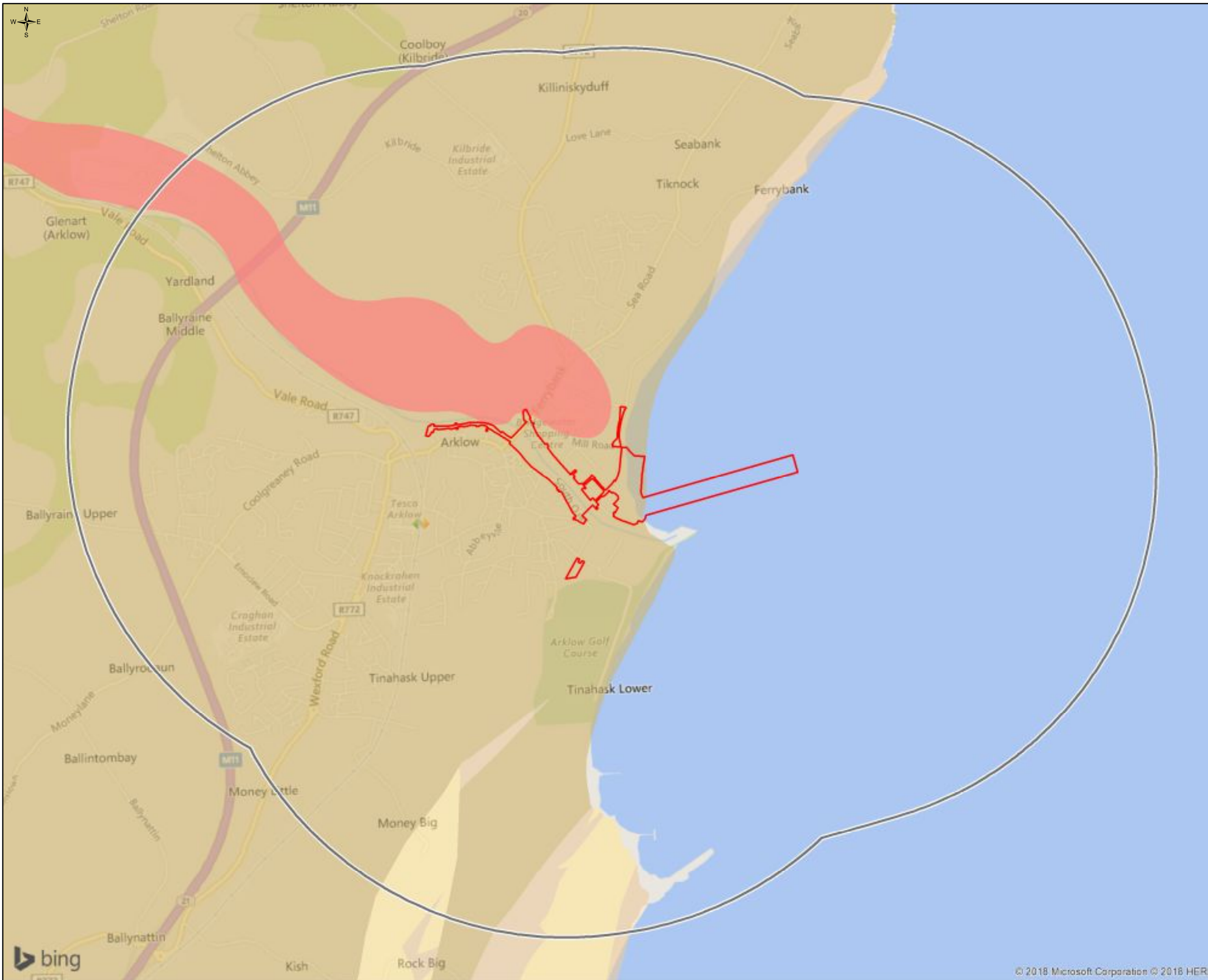
Client
Irish Water

Job Title
Arklow Wastewater Treatment Plant Project
EIAR
Chapter 14 Lands and Soils
Bedrock Geology

Scale at A3
1:20,000

Job No 247825-00	Drawing Status For Information
----------------------------	--

Drawing No 14.3	Issue 11
---------------------------	--------------------



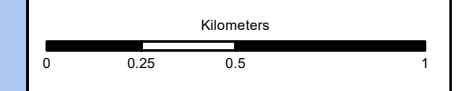
Legend

- Planning Boundary
- Arklow Scheme Boundary
- 2km Buffer

Aquifer classification

- LI - Locally Important Aquifer - Bedrock which is moderately productive only in local zones
- PI - Poor Aquifer - Bedrock which is generally unproductive except for local zones
- Pu - Poor aquifer - Bedrock which is generally unproductive
- Lg - Locally Important Gravel Aquifer

I1	2018-08-28	LM	CN	EW
Issue	Date	By	Chkd	Appd



ARUP
 50 Ringsend Road
 Dublin 4, D04 T6X0
 Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
 www.arup.com

Client
Irish Water

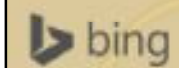
Job Title
Arklow Wastewater Treatment

EIAR
Chapter 14 Lands and Soils
Aquifer Classification

Scale at A3
1:19,989

Job No 247825-00	Drawing Status For Information
----------------------------	--

Drawing No 14.4	Issue 11
---------------------------	--------------------





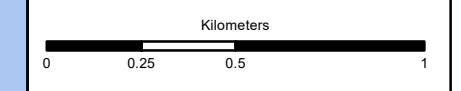
Legend

- Planning Boundary
- Arklow Scheme Boundary 2km Buffer

Groundwater recharge

- 1-50 mm/year
- 51-100 mm/year
- 101-150 mm/year
- 151-200 mm/year
- 201-250 mm/year

I1	2018-08-28	LM	CN	EW
Issue	Date	By	Chkd	Appd



ARUP
 50 Ringsend Road
 Dublin 4, D04 T6X0
 Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
 www.arup.com

Client
Irish Water

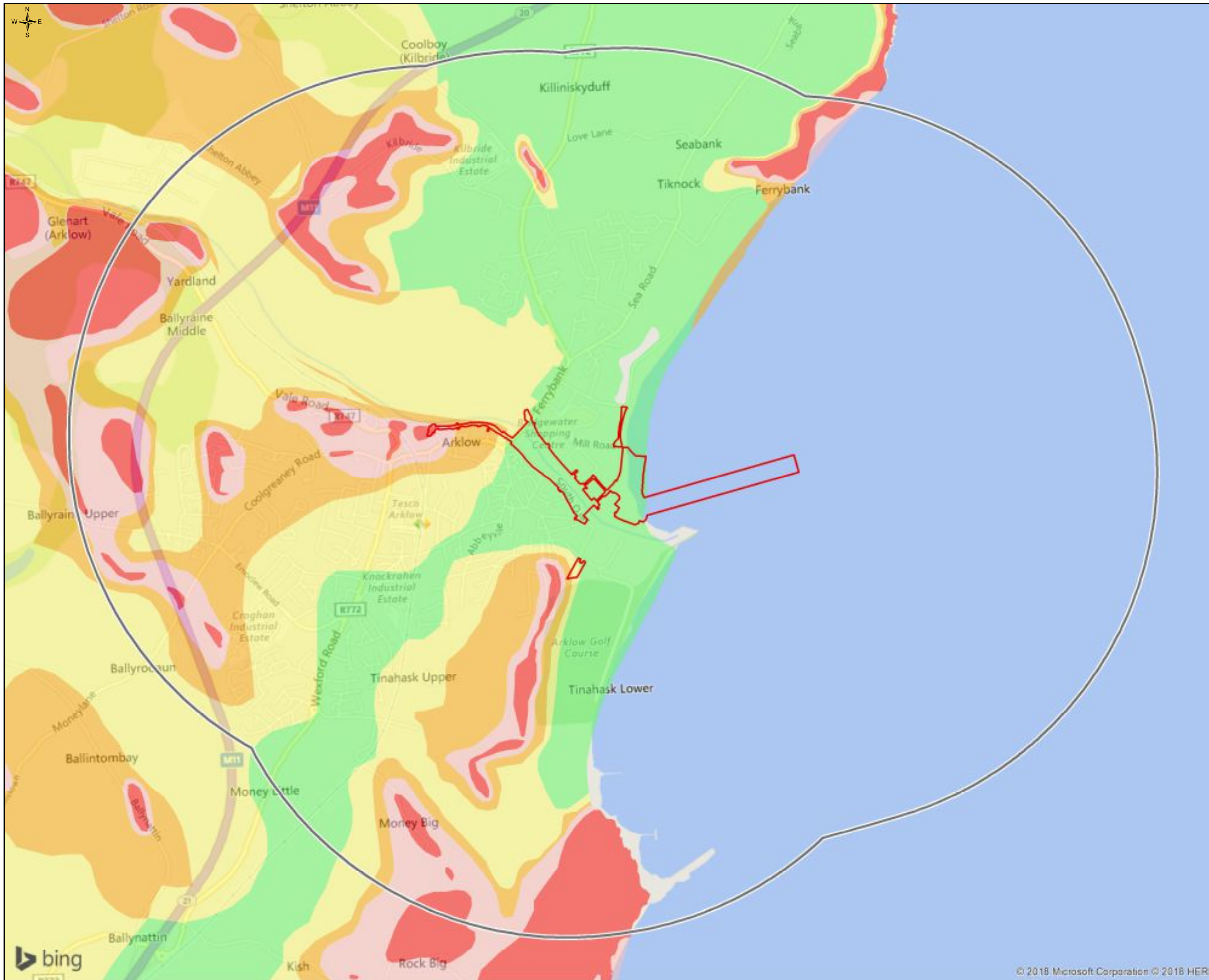
Job Title
Arklow Wastewater Treatment

EIAR
Chapter 14 Land and Soils
Groundwater Recharge

Scale at A3
1:20,000

Job No 247825-00	Drawing Status For Information
----------------------------	--

Drawing No 14.5	Issue 11
---------------------------	--------------------



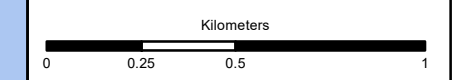
Legend

- Planning Boundary
- Arklow Scheme Boundary
2km Buffer

Groundwater vulnerability

- X - Rock at or near surface or Karst
- E - Extreme
- H - High
- M - Moderate
- L - Low

I1	2018-08-28	LM	CN	EW
Issue	Date	By	Chkd	Appd



ARUP
 50 Ringsend Road
 Dublin 4, D04 T6X0
 Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
 www.arup.com

Client
Irish Water

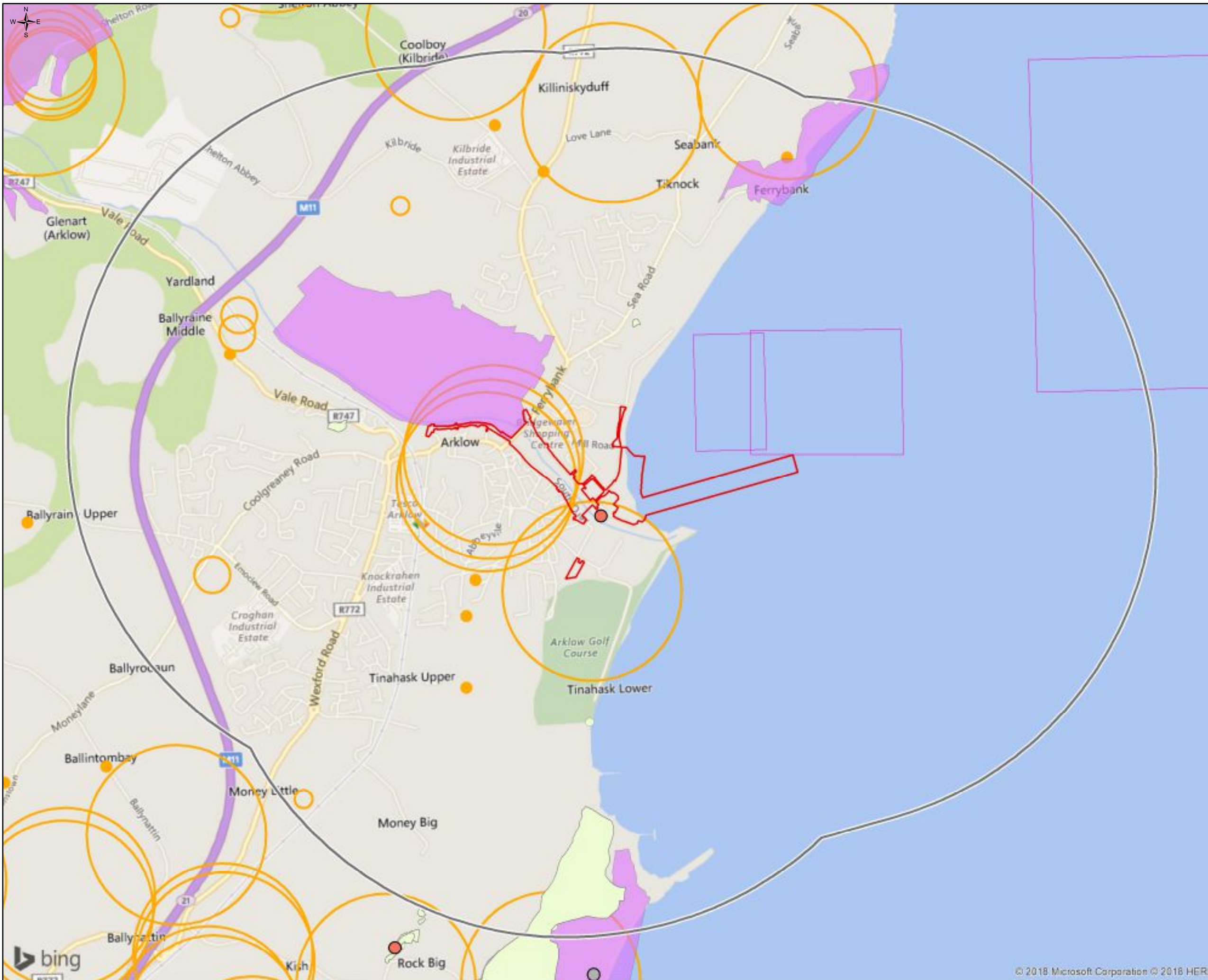
Job Title
Arklow Wastewater Treatment

EIAR
Chapter 14 Lands and Soils
Groundwater Vulnerability

Scale at A3
1:19,989

Job No 247825-00	Drawing Status For Information
----------------------------	--

Drawing No 14.6	Issue 11
---------------------------	--------------------



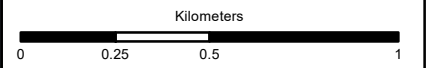
Legend

- Planning Boundary
 - Arklow Scheme Boundary
 - 2km Buffer
 - ActiveQuarries_IG
 - Metallic Mineral Location
 - Non-metallic Mineral Location
 - Historic Pits and Quarries
- Sensitive Features**
- Proposed National Heritage Area (pNHA)
 - Location of a well or spring based on the GSI database (the size of the circle denotes the uncertainty of the location)
 - Dumping At Sea Locations

There are no records of any Source Protection Areas, National Federation Group Water Schemes or Drinking water Protection Areas within the 2km buffer area.

There are no Special Area of Conservation (SAC), Special Protection Areas (SPA) or National Heritage Areas (NHS) within the 2km buffer area.

I1	2018-08-28	LM	CN	EW
Issue	Date	By	Chkd	Appd



ARUP

50 Ringsend Road
Dublin 4, D04 T6X0
Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
www.arup.com

Client
Irish Water

Job Title
Arklow Wastewater Treatment

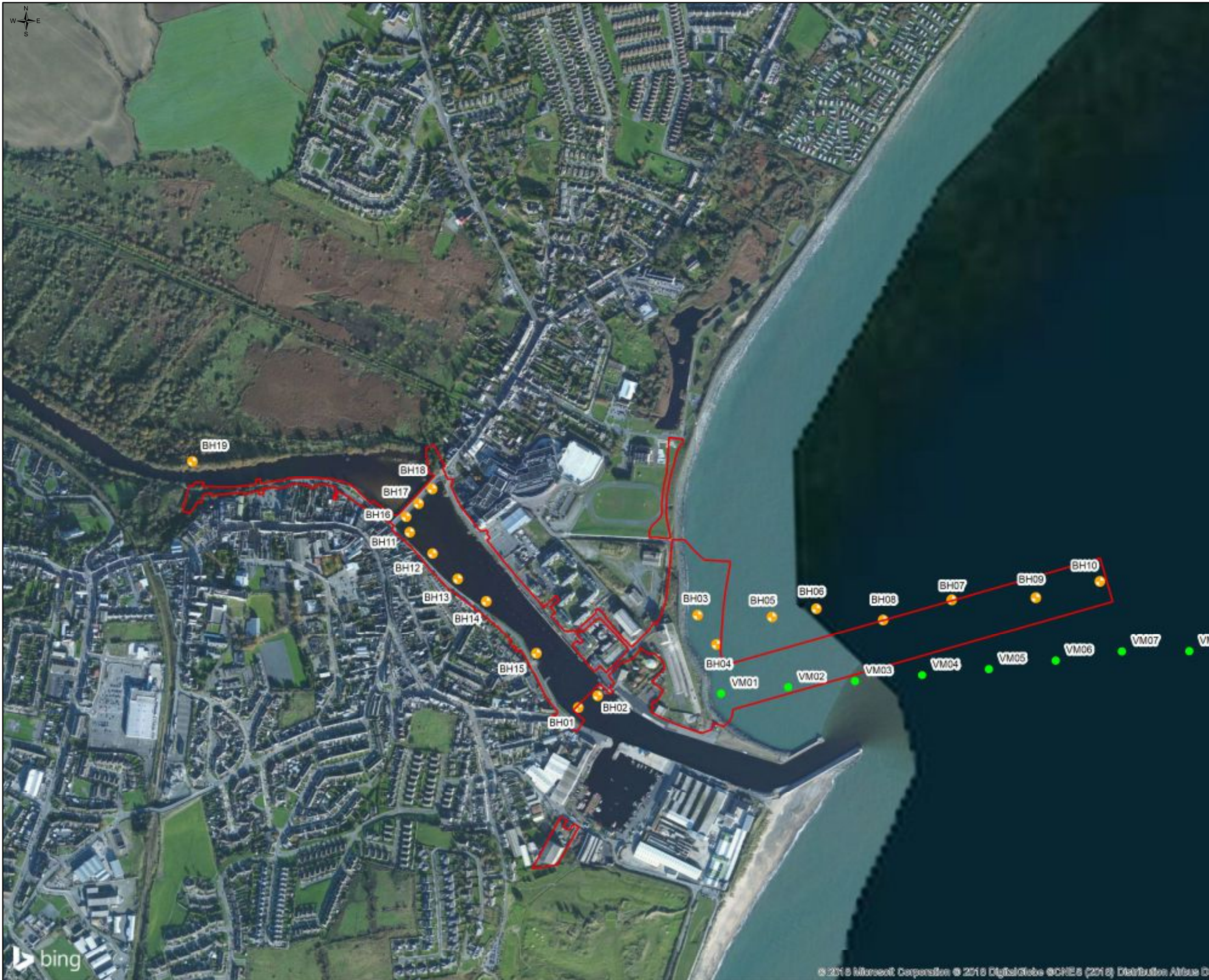
EIAR
Chapter 14 Land and Soils
Sensitive Features

Scale at A3
1:20,000

Job No 247825-00	Drawing Status For Information
----------------------------	--

Drawing No 14.7	Issue 11
---------------------------	--------------------

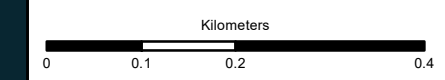




Legend

- Planning Boundary
- Borehole
- Pipeline Visual Markers

I1	2018-08-28	LM	CN	EW
Issue	Date	By	Chkd	Appd



ARUP
 50 Ringsend Road
 Dublin 4, D04 T6X0
 Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
 www.arup.com

Client
Irish Water

Job Title
Arklow Wastewater Treatment Plant Scheme

EIAR
Chapter 14 Land and Soils
Offshore Site Investigation

Scale at A3
1:8,000

Job No 247825-00	Drawing Status For Information
----------------------------	--

Drawing No 14.8	Issue 11
---------------------------	--------------------



Legend

Arklow Scheme Boundary
— Arklow Scheme Boundary

Onshore Site Investigation

- Borehole
- Trial Pit

I1	2018-08-28	LM	CN	EW
Issue	Date	By	Chkd	Appd

Kilometers

0 0.025 0.05 0.1

ARUP

50 Ringsend Road
 Dublin 4, D04 T6X0
 Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
 www.arup.com

Client
Irish Water

Job Title
Arklow Wastewater Treatment Plant Scheme

EIAR
Chapter 14 Land and Soils
Onshore Site Investigation

Scale at A3
1:2,000

Job No 247825-00	Drawing Status For Information
Drawing No 14.9	Issue 11



Legend

- + Ground Gas and Groundwater Monitoring
- + Groundwater Monitoring
- ▲ Surface Water Sampling Locations
- Proposed Development Planning Boundary
- WwTP Site boundary

ARUP

50 Ringsend Road
 Dublin 4, D04 T6X0
 Tel +353 (0)1 233 4455 Fax +353 (0)1 668 3169
 www.arup.com

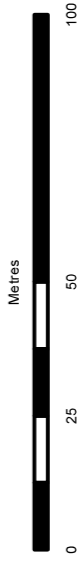
Client

Irish Water

Job Title

Arklow WWTP

D1	2018-06-22	LM	CN	CN
Issue	Date	eFor Information		Appd



Ground Gas, Groundwater and Surface Water Monitoring Locations

Scale at A4
1:2,000

Job No	247825-00	Drawing Status	Draft
Drawing No	003	Issue	D1



Legend

P1	2018-08-24	DC	CN	EW
Issue	Date	By	Chkd	Appd

ARUP

Client
Irish Water

Job Title
Arklow WwTP
EiAR
Chapter 14 – Land and Soils

Conceptual Site Model – Sewers
Location of Sections




Scale at A3

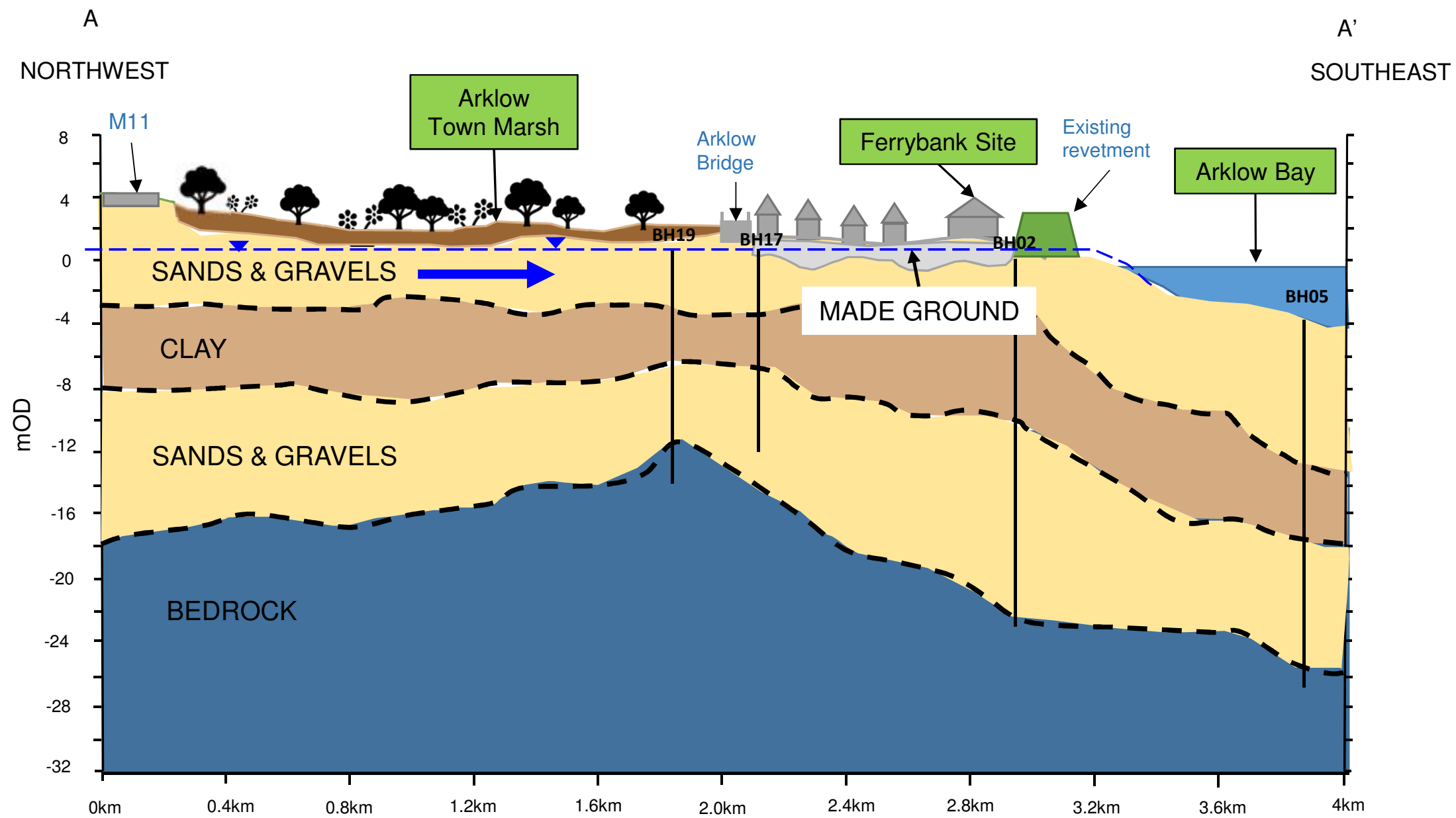
NTS

Job No 247859-00	Drawing Status For Information
---------------------	-----------------------------------

Drawing No Figure 14.11.A	Issue P1
------------------------------	-------------

Legend

-  Groundwater table in the sand and gravel
-  Groundwater flow direction
-  Elevation in metres above Ordnance Datum (Malin)



PI	2018-08-28	DC	CN	EW
Issue	Date	By	Check	Appd

ARUP

Client
Irish Water

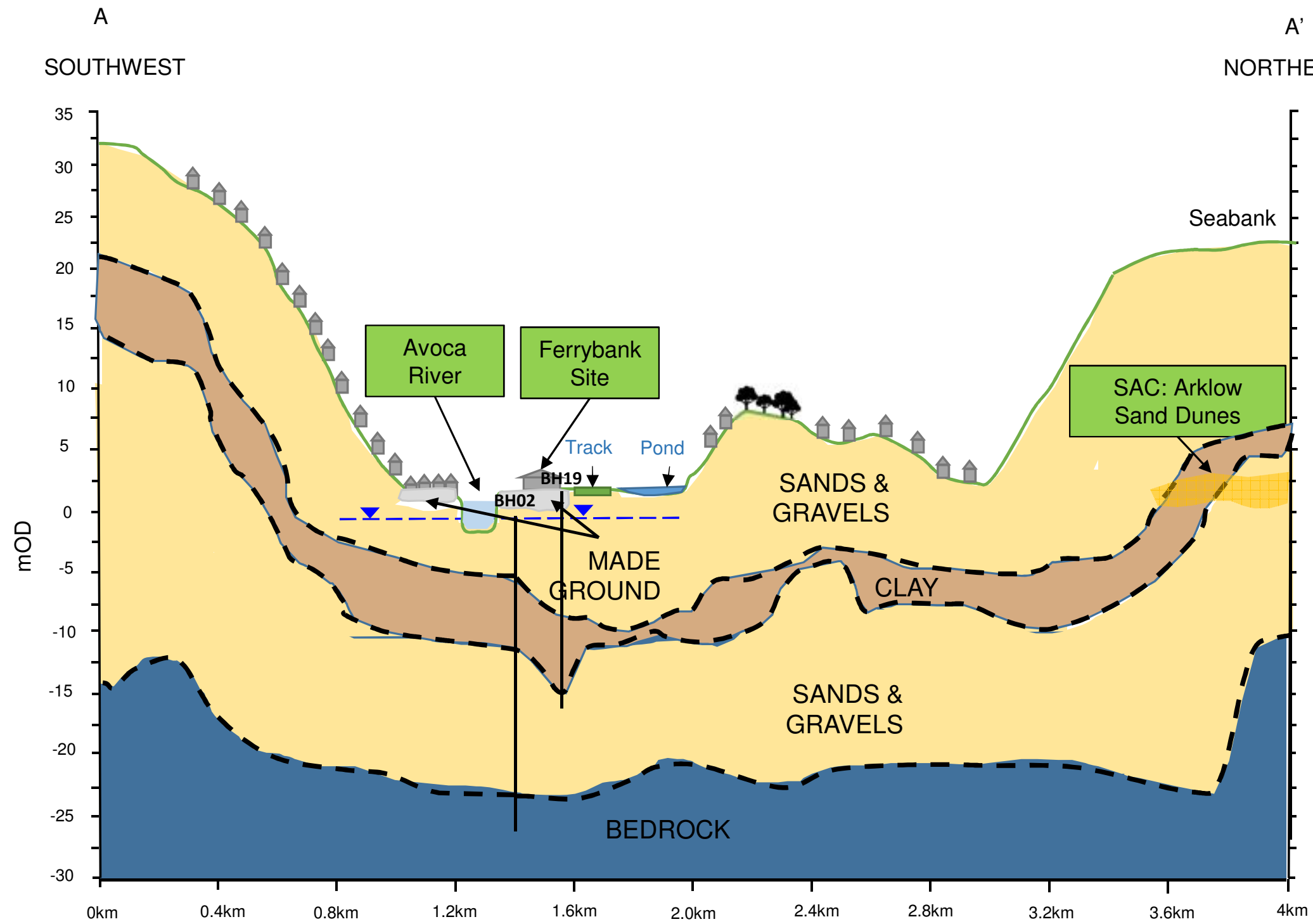
Job Title
Arklow WwTP
EiAR
Chapter 14 – Land and Soils

Conceptual Site Model – Sewers
A – A'

Scale of A3
NTS

Job No 247859-00	Drawing Status Draft
---------------------	-------------------------

Drawing No Figure 14.11.B	Issue P1
------------------------------	-------------



Legend

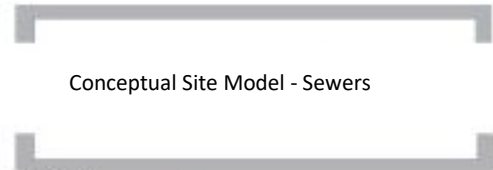
- Groundwater table in the sand and gravel
- ▼ Elevation in metres above Ordnance Datum (Malin)

PI	2018-08-24	DC	CN	EW
Issue	Date	By	Check	Appd

ARUP

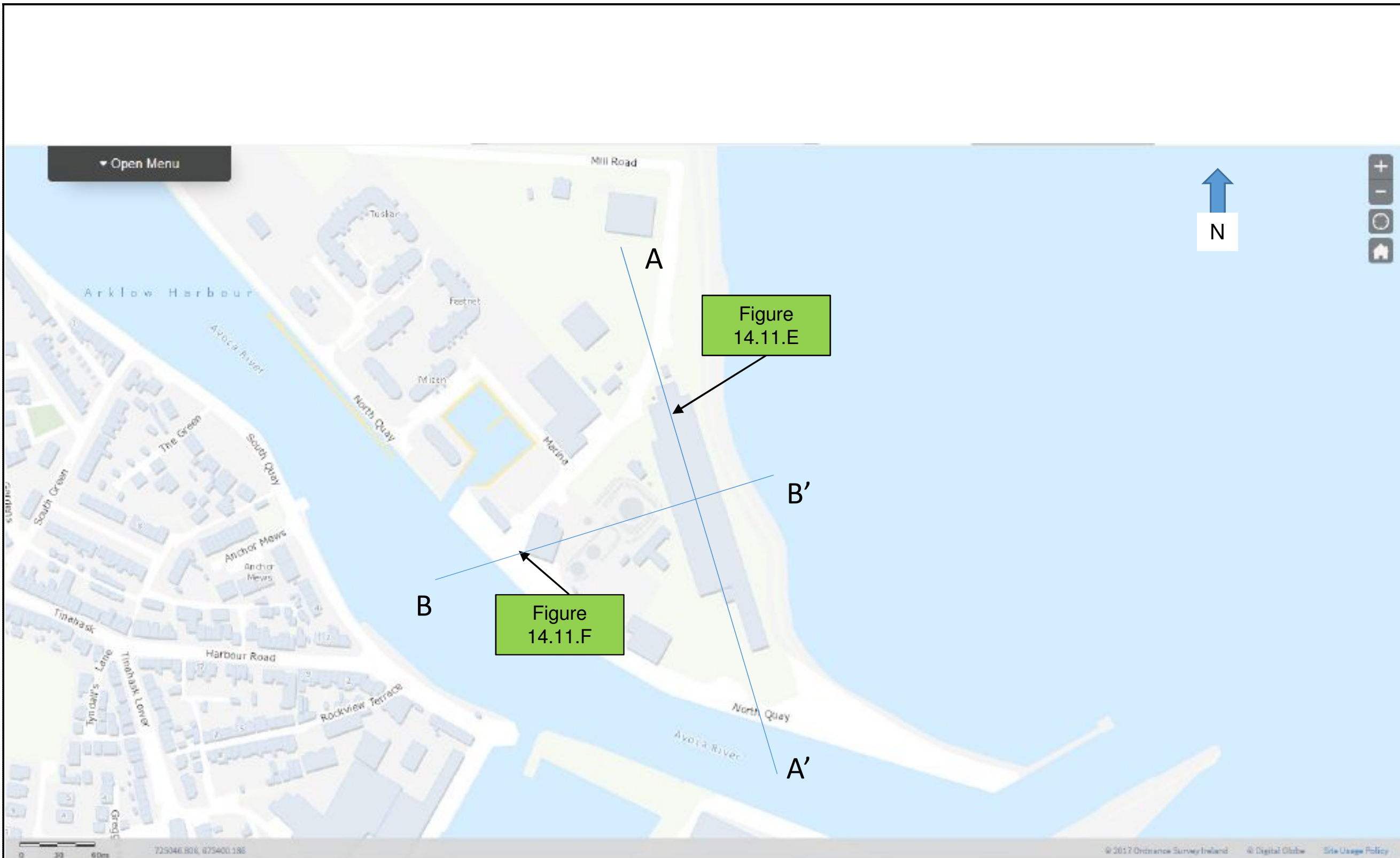
Client
Irish Water

Job Title
Arklow WwTP
EIAR
Chapter 14 – Land and Soils



Scale of A3
NTS

Job No 247859-00	Drawing Status For Information
Drawing No Figure 14.11.C	Issue P1



Legend

P1	2018-08-24	DC	CN	EW
Issue	Date	By	Chkd	Appd



Client
Irish Water

Job Title
Arklow WwTP
EiAR
Chapter 14 – Land and Soils

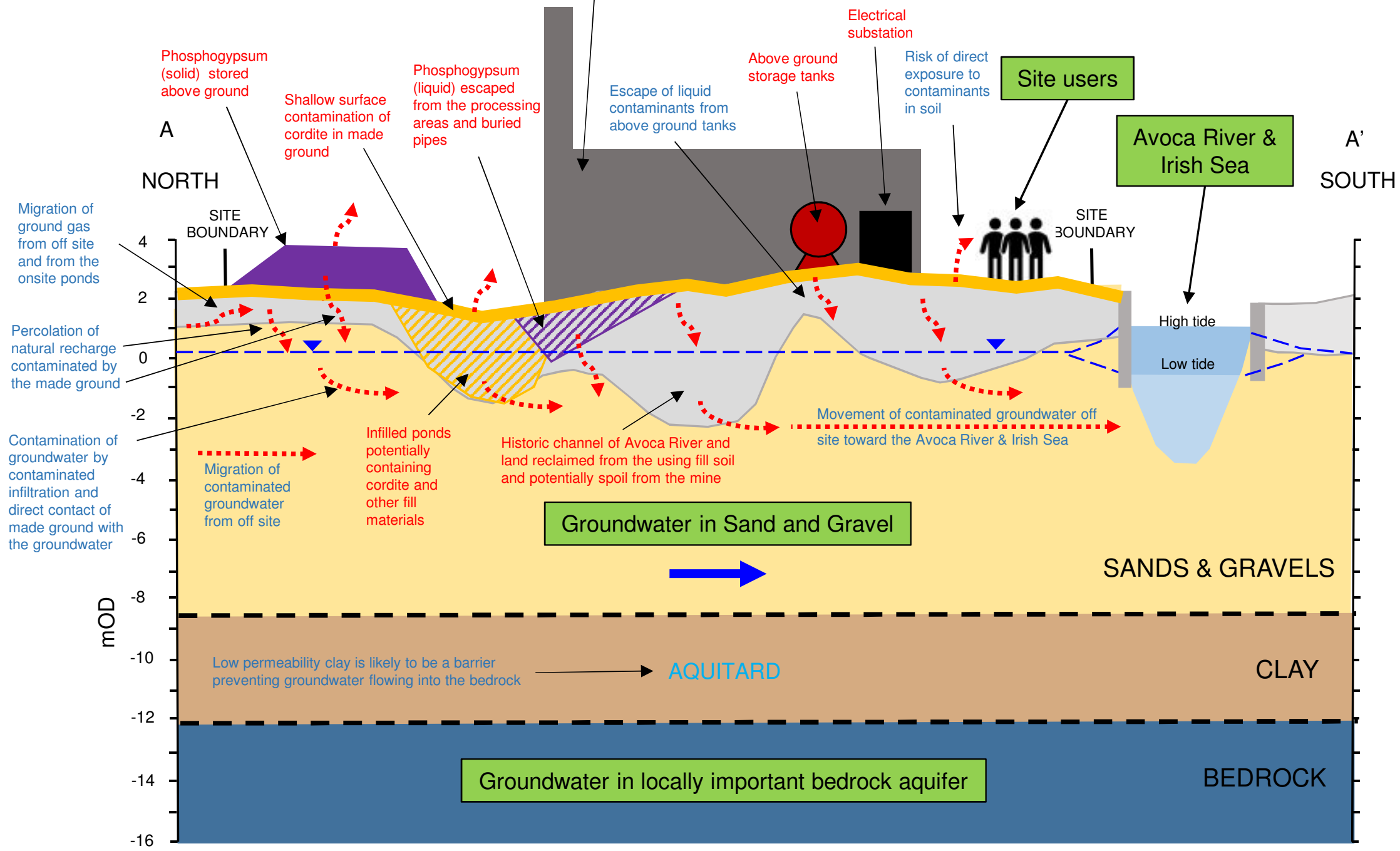
Location of Sections –
Wastewater Treatment Plant

Scale at A3

NTS

Job No 247859-00	Drawing Status For Information
Drawing No Figure 14.11.D	Issue P1

WALLBOARD FACTORY



- ### Legend
- Red text Source
 - Blue text Pathway
 - Green box Receptor

- Groundwater table in the sand and gravel
- Groundwater flow direction
- Elevation in metres above Ordnance Datum (Malin)

PI	2018-08-28	DC	CN	EW
Issue	Date	By	Check	Appd

ARUP

Client
Irish Water

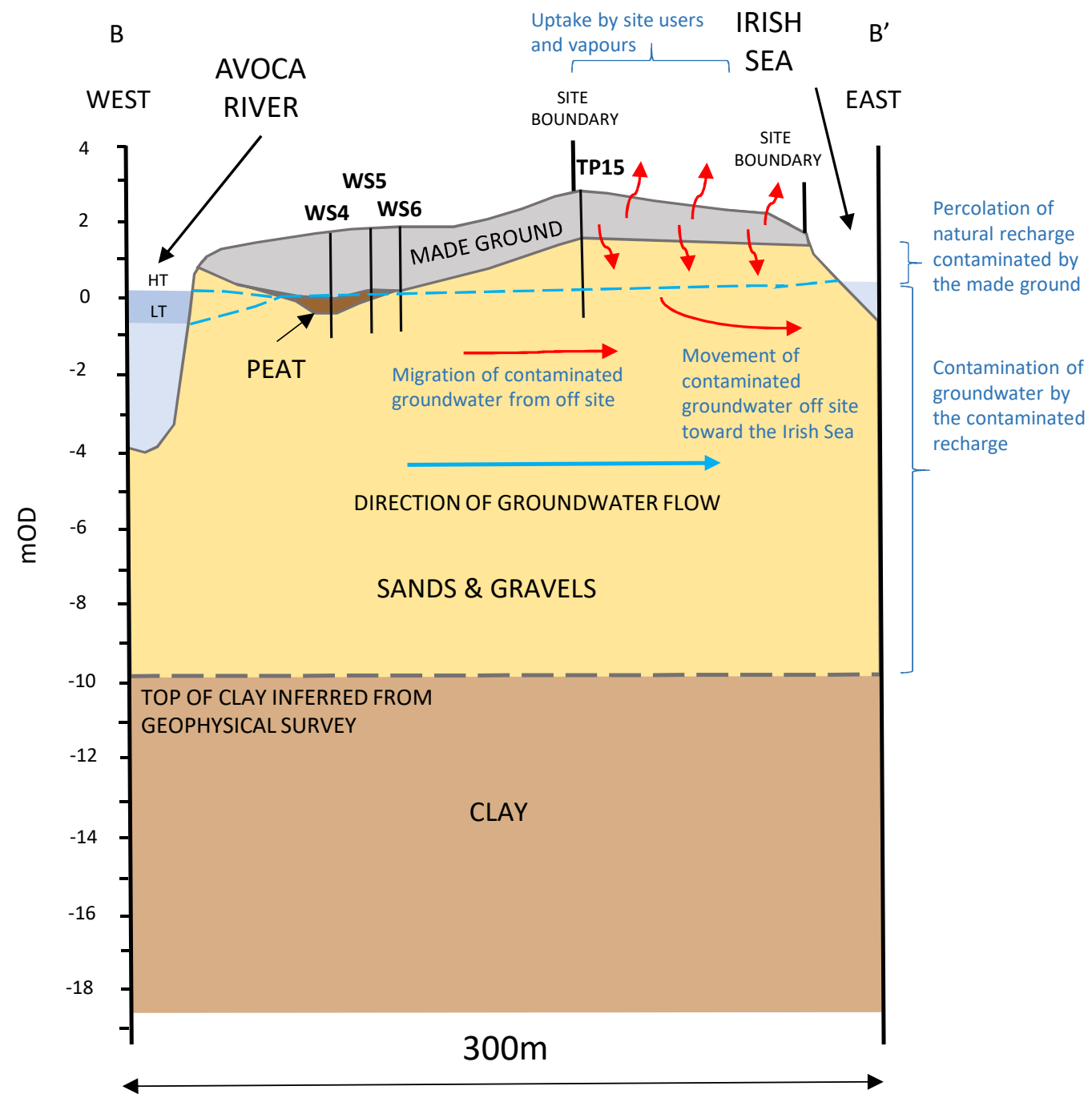
Job Title
Arklow WwTP
EIAR
Chapter 14 – Land and Soils

Conceptual Site Model – WwTP
Section A – A'

Scale of A3
NTS

Job No 247859-00	Drawing Status For Information
---------------------	-----------------------------------

Drawing No Figure 14.11.E	Issue P1
------------------------------	-------------



Legend

- Groundwater table in the sand and gravel
- ▼ Elevation in metres above Ordnance Datum (Malin)

PI	2018-08-28	BC	CN	BV
Issue	Date	By	Check	Appd

ARUP

Client
Irish Water

Job Title
Arklow WwTP
EIAR
Chapter 14 – Land and Soils

Conceptual Site Model – WwTP
Section B-B'

Scale of A3
NTS

Job No
247859-00

Drawing Status
For Information

Drawing No
Figure 14.11.F

Issue
P1



ARKLOW WASTEWATER TREATMENT PLANT PROJECT

PLANNING DRAWINGS



ARKLOW WASTEWATER TREATMENT PLANT PROJECT

KEY PLANS & LAYOUTS

24.7825-00-C-IS-001	COVER
24.7825-00-C-IS-002	DRAWING LIST
24.7825-00-C-IS-003	LOCATION MAP
24.7825-00-C-IS-004	SCHEME LAYOUT PLAN SHEET 1 OF 2
24.7825-00-C-IS-005	SCHEME LAYOUT PLAN SHEET 2 OF 2

ARCHITECTURAL

WASTEWATER TREATMENT PLANT EXISTING SITE - DEMOLITION OUTLINED

24.7825-00-DO-101	DEMOLITION LAYOUT PLAN
24.7825-00-DO-102	DEMOLITION SITE ELEVATIONS
24.7825-00-DO-103	DEMOLITION SITE ELEVATIONS
24.7825-00-DO-104	DEMOLITION SITE SECTIONS

WASTEWATER TREATMENT PLANT GENERAL ARRANGEMENT - PROPOSED OVERALL BUILDINGS

24.7825-00-MP-001	SITE PLAN
24.7825-00-MP-002	CONTIGUOUS SITE ELEVATIONS
24.7825-00-MP-003	CONTIGUOUS SITE ELEVATIONS
24.7825-00-MP-004	CONTIGUOUS SITE SECTIONS
24.7825-00-MP-005	GROUND FLOOR LAYOUT AT 3.7M O.D.
24.7825-00-MP-006	FIRST FLOOR SITE LAYOUT AT 10.5M O.D.
24.7825-00-MP-007	SECOND FLOOR SITE LAYOUT AT 15M O.D.
24.7825-00-MP-008	ROOF PLAN
24.7825-00-MP-009	ELEVATIONS
24.7825-00-MP-010	SECTIONS

INLET WORKS

224.7825-00-INL-001	INLET WORKS BUILDING FLOOR PLANS
24.7825-00-INL-002	INLET WORKS BUILDING SECTIONS & ELEVATIONS
24.7825-00-INL-D-001	INLET WORKS BUILDING DETAIL ELEVATION & SECTION A
24.7825-00-INL-D-002	INLET WORKS BUILDING DETAIL ELEVATION & SECTION B
24.7825-00-INL-D-003	INLET WORKS BUILDING DETAIL ELEVATION & SECTION D

PROCESS BUILDING

24.7825-00-PRO-P-001	PROCESS BUILDING PLANS
24.7825-00-PRO-P-002	PROCESS BUILDING SECTIONS AND ELEVATIONS
24.7825-00-PRO-D-001	PROCESS BUILDING DETAILS ELEVATION AND SECTION A
24.7825-00-PRO-D-002	PROCESS BUILDING DETAILS ELEVATION AND SECTION B
24.7825-00-PRO-D-003	PROCESS BUILDING DETAILS SECTION C & D

ADMINISTRATION BUILDING

24.7825-00-ADM-P-001	ADMINISTRATION BUILDING GENERAL ARRANGEMENT
24.7825-00-ADM-P-002	ADMINISTRATION BUILDING DETAIL ELEVATION & SECTION A
24.7825-00-ADM-P-003	ADMINISTRATION BUILDING DETAIL ELEVATION & SECTION B

SLUDGE TANK ENCLOSURE

24.7825-00-STE-001	SLUDGE TANK ENCLOSURE GA & DETAILS
--------------------	------------------------------------

LANDSCAPE AND SITE INFRASTRUCTURE

24.7825-00-L-001	LANDSCAPE CONTIGUOUS SITE LAYOUT & REFERENCE
24.7825-00-L-002	LANDSCAPE SITE LAYOUT
24.7825-00-L-003	LANDSCAPE - ENTRANCE DETAIL
24.7825-00-L-D-001	LANDSCAPE SECTION B & C
24.7825-00-L-D-002	LANDSCAPE SECTION D
24.7825-00-L-D-003	LANDSCAPE SECTION E & F
24.7825-00-A-L-1008	SITE INFRASTRUCTURE PLAN

ELECTRICAL

24.7825-00-EL-LT-1000	EXTERNAL LIGHTING LAYOUT
-----------------------	--------------------------

INTERCEPTOR SEWERS LONGITUDINAL SECTIONS AND ASSOCIATED DETAILS

24.7825-00-C-IS-700	LOCATION KEY PLAN
24.7825-00-C-IS-701	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 1 OF 16
24.7825-00-C-IS-702	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 2 OF 16
24.7825-00-C-IS-703	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 3 OF 16
24.7825-00-C-IS-704	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 4 OF 16
24.7825-00-C-IS-705	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 5 OF 16
24.7825-00-C-IS-706	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 6 OF 16
24.7825-00-C-IS-707	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 7 OF 16
24.7825-00-C-IS-708	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 8 OF 16
24.7825-00-C-IS-709	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 9 OF 16
24.7825-00-C-IS-710	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 10 OF 16
24.7825-00-C-IS-711	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 11 OF 16
24.7825-00-C-IS-712	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 12 OF 16
24.7825-00-C-IS-713	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 13 OF 16
24.7825-00-C-IS-714	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 14 OF 16
24.7825-00-C-IS-715	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 15 OF 16
24.7825-00-C-IS-716	LAYOUT PLAN & LONGITUDINAL SECTION SHEET 16 OF 16
24.7825-00-C-IS-730	AVOCA RIVER SECTIONS - LAYOUT PLAN - SHEET 1 OF 4
24.7825-00-C-IS-731	AVOCA RIVER SECTIONS - LAYOUT PLAN - SHEET 2 OF 4
24.7825-00-C-IS-732	AVOCA RIVER SECTIONS - LAYOUT PLAN - SHEET 3 OF 4
24.7825-00-C-IS-733	AVOCA RIVER SECTIONS - LAYOUT PLAN - SHEET 4 OF 4
24.7825-00-C-IS-750	ARKLOW BRIDGE WORKS PLAN
24.7825-00-C-IS-751	ARKLOW BRIDGE WORKS EXISTING LAYOUT - PLAN, ELEVATIONS AND SECTIONS
24.7825-00-C-IS-752	ARKLOW BRIDGE WORKS PROPOSED LAYOUT - PLAN, ELEVATIONS AND SECTIONS
24.7825-00-C-IS-753	ARKLOW BRIDGE WORKS GROUTING WORKS
24.7825-00-C-IS-754	ARKLOW BRIDGE WORKS UNDERPINNING OPTION 1
24.7825-00-C-IS-755	ARKLOW BRIDGE WORKS UNDERPINNING OPTION 2
24.7825-00-C-IS-756	ARKLOW BRIDGE WORKS UNDERPINNING OPTION 3

ALPS STORM WATER OVERFLOW (SWO) AND STORMWATER STORAGE

24.7825-00-C-IS-801	THE ALPS SWO - EXISTING SITE LAYOUT
24.7825-00-C-IS-802	THE ALPS SWO - PROPOSED SITE LAYOUT
24.7825-00-C-IS-803	THE ALPS SWO - PROPOSED SITE SECTIONS - SHEET 1 OF 2
24.7825-00-C-IS-804	THE ALPS SWO - PROPOSED SITE SECTIONS - SHEET 2 OF 2
24.7825-00-C-IS-805	THE ALPS SWO - ONLINE STORAGE TANK GENERAL ARRANGEMENT PLANS
24.7825-00-C-IS-806	THE ALPS SWO - ONLINE STORAGE TANK GENERAL ARRANGEMENT SECTIONS

INTERCEPTOR SEWER TRAFFIC & PHASING

24.7825-00-C-IS-900	TRAFFIC & PHASING LOCATION KEY PLAN
24.7825-00-C-IS-901	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 1 OF 16
24.7825-00-C-IS-902	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 2 OF 16
24.7825-00-C-IS-903	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 3 OF 16
24.7825-00-C-IS-904	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 4 OF 16
24.7825-00-C-IS-905	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 5 OF 16
24.7825-00-C-IS-906	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 6 OF 16
24.7825-00-C-IS-907	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 7 OF 16
24.7825-00-C-IS-908	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 8 OF 16
24.7825-00-C-IS-909	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 9 OF 16
24.7825-00-C-IS-910	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 10 OF 16
24.7825-00-C-IS-911	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 11 OF 16
24.7825-00-C-IS-912	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 12 OF 16
24.7825-00-C-IS-913	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 13 OF 16
24.7825-00-C-IS-914	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 14 OF 16
24.7825-00-C-IS-915	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 15 OF 16
24.7825-00-C-IS-916	TRAFFIC & PHASING - LAYOUT PLANS - SHEET 16 OF 16

24.7825-00-C-IS-921	TRAFFIC FLOWS MANAGEMENT - STAGE A WORKS - SHEET 1 OF 13
24.7825-00-C-IS-922	TRAFFIC FLOWS MANAGEMENT - STAGE B WORKS - SHEET 2 OF 13
24.7825-00-C-IS-923	TRAFFIC FLOWS MANAGEMENT - STAGE C WORKS - SHEET 3 OF 13
24.7825-00-C-IS-924	TRAFFIC FLOWS MANAGEMENT - STAGE D WORKS - SHEET 4 OF 13
24.7825-00-C-IS-925	TRAFFIC FLOWS MANAGEMENT - STAGE E WORKS - SHEET 5 OF 13
24.7825-00-C-IS-926	TRAFFIC FLOWS MANAGEMENT - STAGE F WORKS - SHEET 6 OF 13
24.7825-00-C-IS-927	TRAFFIC FLOWS MANAGEMENT - STAGE G WORKS - SHEET 7 OF 13
24.7825-00-C-IS-928	TRAFFIC FLOWS MANAGEMENT - STAGE H WORKS - SHEET 8 OF 13
24.7825-00-C-IS-929	TRAFFIC FLOWS MANAGEMENT - STAGE I WORKS - SHEET 9 OF 13
24.7825-00-C-IS-930	TRAFFIC FLOWS MANAGEMENT - STAGE J WORKS - SHEET 10 OF 13
24.7825-00-C-IS-931	TRAFFIC FLOWS MANAGEMENT - STAGE K WORKS - SHEET 11 OF 13
24.7825-00-C-IS-932	TRAFFIC FLOWS MANAGEMENT - STAGE L WORKS - SHEET 12 OF 13
24.7825-00-C-IS-933	TRAFFIC FLOWS MANAGEMENT - STAGE M WORKS - SHEET 13 OF 13

INTERCEPTOR SEWER WORKING AREAS

24.7825-00-C-IS-1500	WORKING AREAS KEY PLAN
24.7825-00-C-IS-1501	WORKING AREAS LAYOUT PLAN - SHEET 1 OF 16
24.7825-00-C-IS-1502	WORKING AREAS LAYOUT PLAN - SHEET 2 OF 16
24.7825-00-C-IS-1503	WORKING AREAS LAYOUT PLAN - SHEET 3 OF 16
24.7825-00-C-IS-1504	WORKING AREAS LAYOUT PLAN - SHEET 4 OF 16
24.7825-00-C-IS-1505	WORKING AREAS LAYOUT PLAN - SHEET 5 OF 16
24.7825-00-C-IS-1506	WORKING AREAS LAYOUT PLAN - SHEET 6 OF 16
24.7825-00-C-IS-1507	WORKING AREAS LAYOUT PLAN - SHEET 7 OF 16
24.7825-00-C-IS-1508	WORKING AREAS LAYOUT PLAN - SHEET 8 OF 16
24.7825-00-C-IS-1509	WORKING AREAS LAYOUT PLAN - SHEET 9 OF 16
24.7825-00-C-IS-1510	WORKING AREAS LAYOUT PLAN - SHEET 10 OF 16
24.7825-00-C-IS-1511	WORKING AREAS LAYOUT PLAN - SHEET 11 OF 16
24.7825-00-C-IS-1512	WORKING AREAS LAYOUT PLAN - SHEET 12 OF 16
24.7825-00-C-IS-1513	WORKING AREAS LAYOUT PLAN - SHEET 13 OF 16
24.7825-00-C-IS-1514	WORKING AREAS LAYOUT PLAN - SHEET 14 OF 16
24.7825-00-C-IS-1515	WORKING AREAS LAYOUT PLAN - SHEET 15 OF 16
24.7825-00-C-IS-1516	WORKING AREAS LAYOUT PLAN - SHEET 16 OF 16

REVTMENT UPGRADE

24.7825-00-M-R-1001	PROPOSED REVTMENT UPGRADE EXISTING LAYOUT PLAN
24.7825-00-M-R-1002	REVTMENT UPGRADE PROPOSED LAYOUT PLAN
24.7825-00-M-R-2001	REVTMENT UPGRADE CROSS SECTIONS - SHEET 1 OF 3
24.7825-00-M-R-2002	REVTMENT UPGRADE CROSS SECTIONS - SHEET 2 OF 3
24.7825-00-M-R-2003	REVTMENT UPGRADE CROSS SECTIONS - SHEET 3 OF 3

LONG SEA OUTFALL AND SWO AT WASTEWATER TREATMENT PLANT

24.7825-00-M-O-1001	OUTFALLS PROPOSED LAYOUT PLAN
24.7825-00-M-O-2001	STORM WATER OVERFLOW (SWO) AT WWTP SITE
24.7825-00-M-O-2101	STORM WATER OVERFLOW (SWO) LONGITUDINAL SECTION
24.7825-00-M-O-3001	LONG SEA OUTFALL - INDICATIVE LONGITUDINAL SECTION
24.7825-00-M-O-3101	LONG SEA OUTFALL TYPICAL CROSS SECTION
24.7825-00-M-O-4001	LONG SEA OUTFALL - TYPICAL DIFFUSER DETAILS



J:\07\000\247825-004_Innm4-02_Drawing\4.05.11_Planning\247825-00-C-IS-003.dwg

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4427, 4427-B, 4427-D, 4427-15, 4427-20, 4427-25, 4428, 4428-A, 4428-C,
 4428-07, 4428-11, 4428-12, 4428-16, 4428-17, 4428-18 & 4370



Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	TD	C'OD

Client



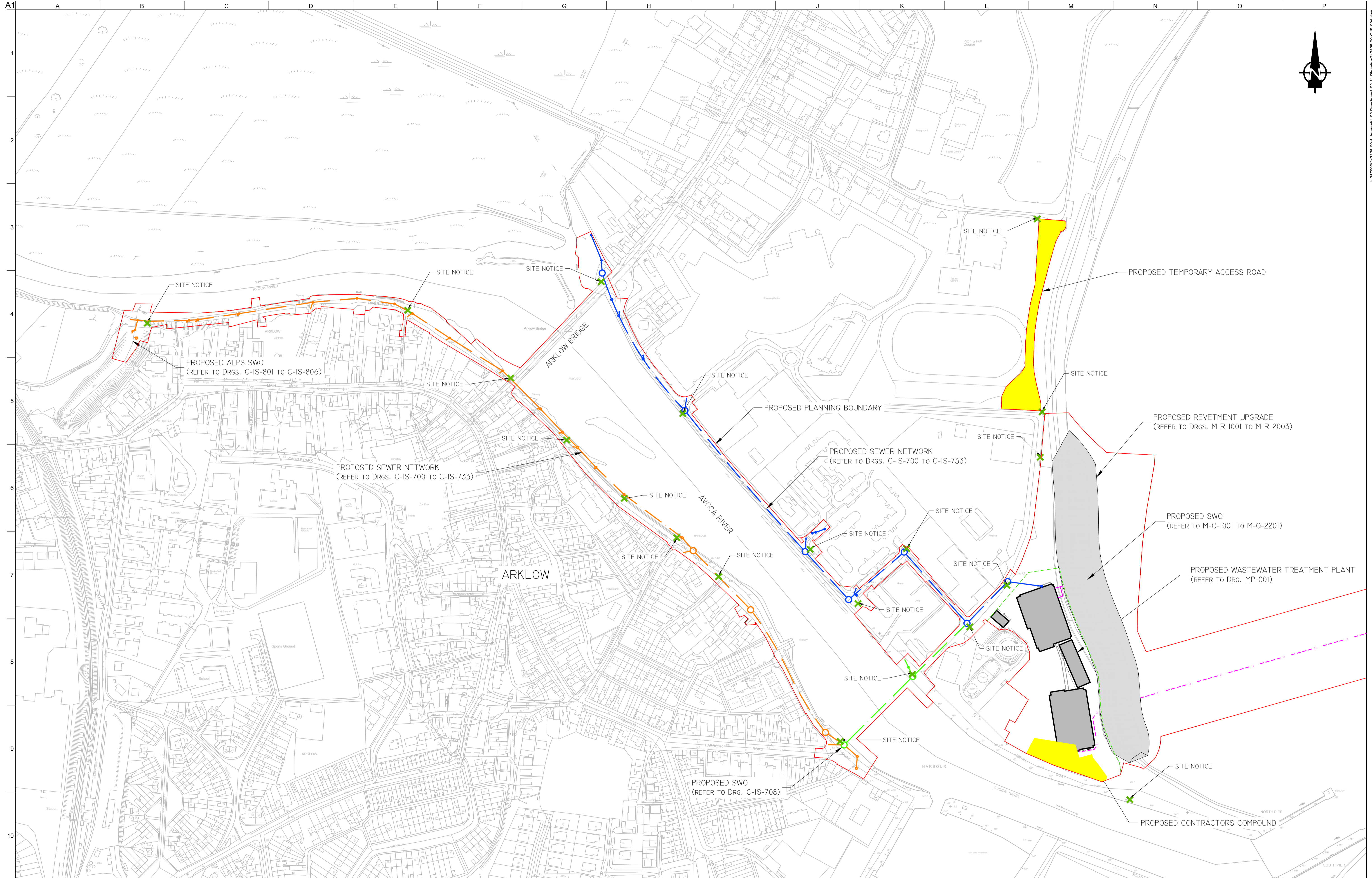
Job Title
**ARKLOW WASTEWATER
 TREATMENT PLANT PROJECT**

Scale at A1 1:5000
 Discipline Infrastructure

ARUP BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

Drawing Title
OVERALL SITE LOCATION MAP

Drawing Status
PLANNING
 Job No 247825-00 Drawing No C-IS-003 Issue P1



- NOTES:**
- ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 - ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.

- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED FINAL WWTP SITE BOUNDARY
 - PROPOSED SITE NOTICES
 - PROPOSED NORTHERN INTERCEPTOR
 - PROPOSED SOUTHERN INTERCEPTOR
 - PROPOSED RIVER CROSSING
 - PROPOSED OUTFALL \ SWO
 - PROPOSED TEMPORARY ACCESS \ CONSTRUCTION COMPOUND

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	03/09/18	TD	TD	C'OD
Issue	Date	By	Chkd	Appd



Client
UISCE ÉIREANN: IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 1:2000

Discipline
 Infrastructure

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
SCHEME LAYOUT PLAN SHEET 1 OF 2

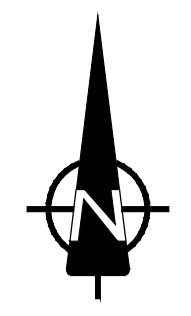
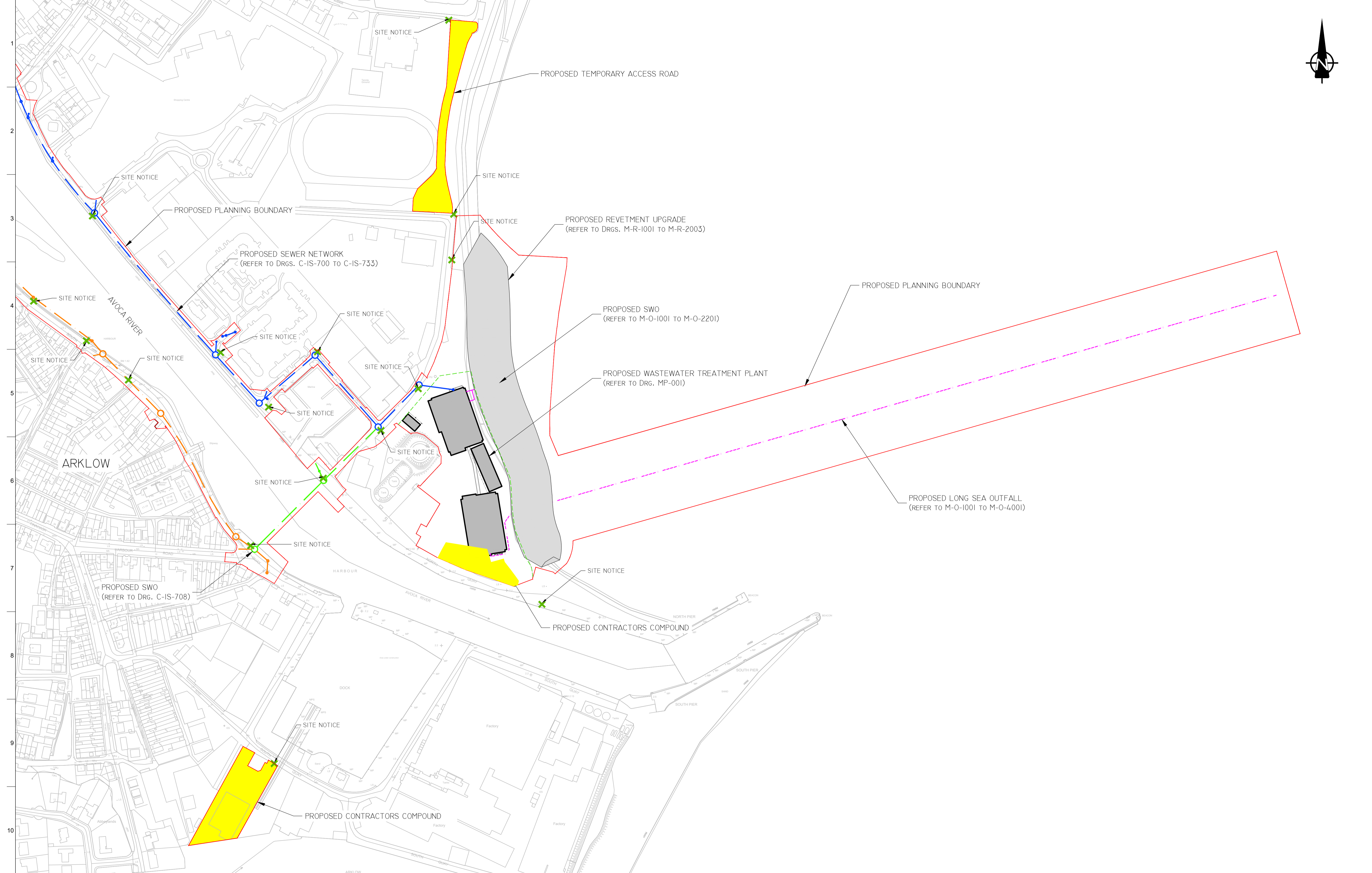
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-004

Issue
P1

J:\017000\247825-00\4_Innm4-02_Drawing\4.05.11_Planning\247825-00-C-IS-004.dwg



NOTES:
 1. ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 2. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.

LEGEND


	PROPOSED PLANNING BOUNDARY		PROPOSED OUTFALL \ SWO
	PROPOSED FINAL WWTP SITE BOUNDARY		PROPOSED TEMPORARY ACCESS \ CONSTRUCTION COMPOUND
	PROPOSED SITE NOTICES		
	PROPOSED NORTHERN INTERCEPTOR		
	PROPOSED SOUTHERN INTERCEPTOR		
	PROPOSED RIVER CROSSING		

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	03/09/18	TD	TD	C'OD
Issue	Date	By	Chkd	Appd

Client



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 1:2000

Discipline
 Infrastructure

Drawing Title
SCHEME LAYOUT PLAN SHEET 2 OF 2

Drawing Status
PLANNING

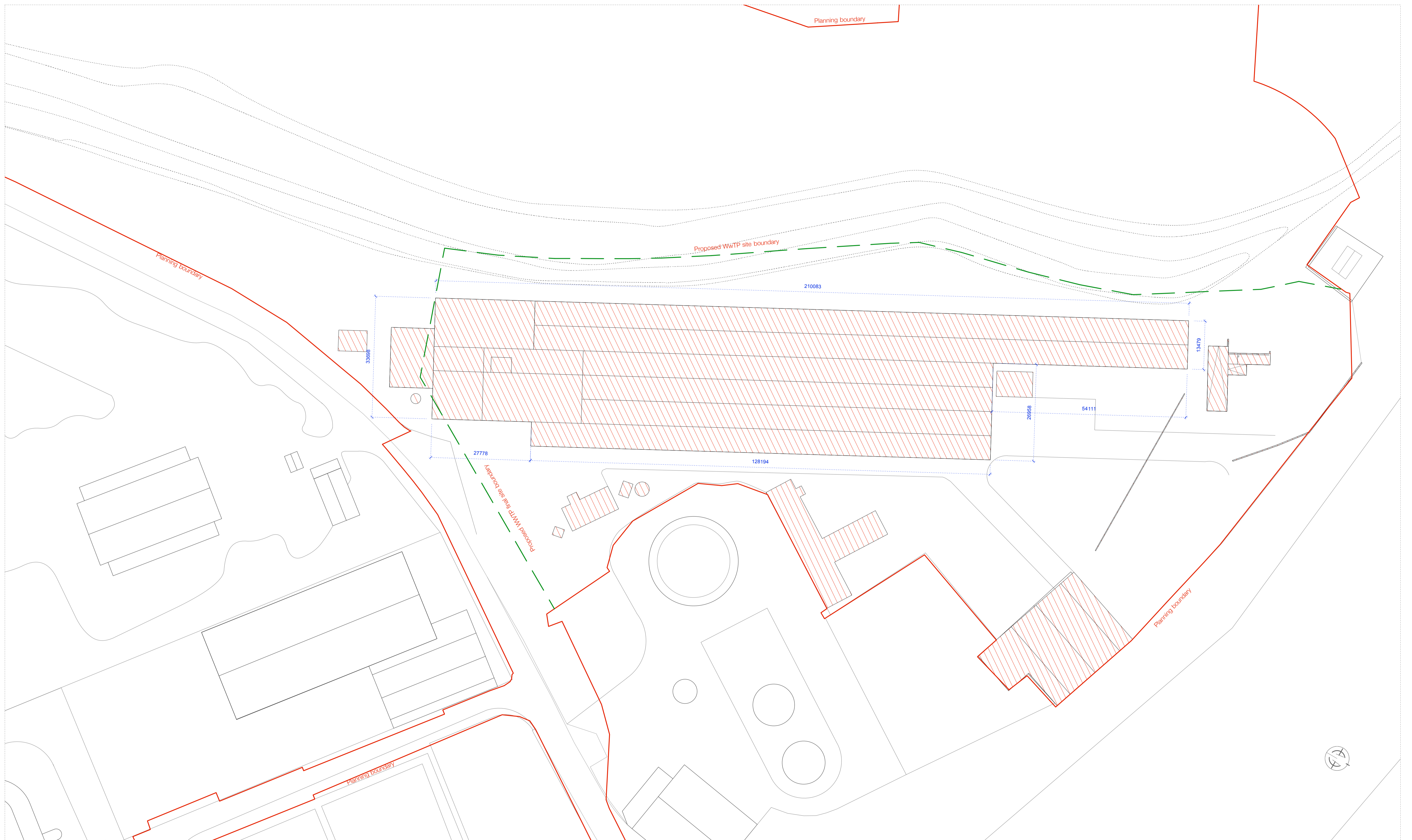
Job No
247825-00

Drawing No
C-IS-005

Issue
P1

ARUP BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

J:\AT\000\247825-00\4. Inm\4-02 Drawings\4.02.11 Planning\247825-00-C-IS-005.dwg



Notes

 BUILDING OR STRUCTURE PROPOSED FOR DEMOLITION

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

DEMOLITION SITE PLAN 1:500 @A1 247825-00-DO-101

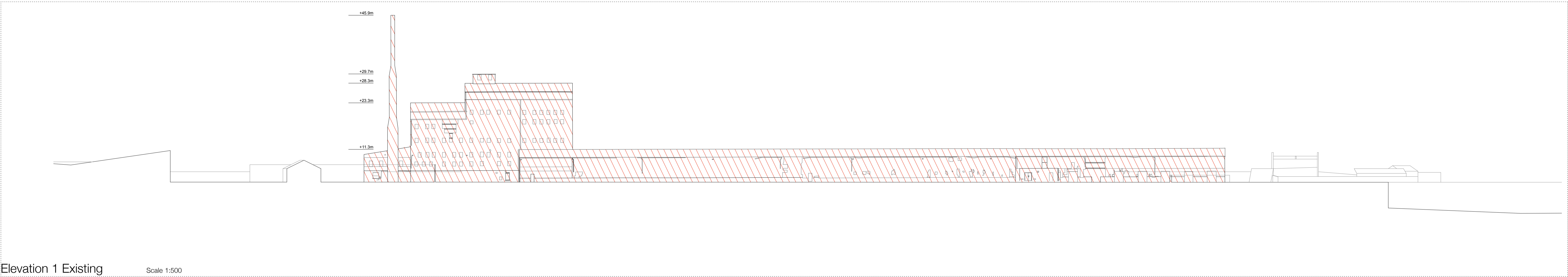
SEPTEMBER 2018

ARUP

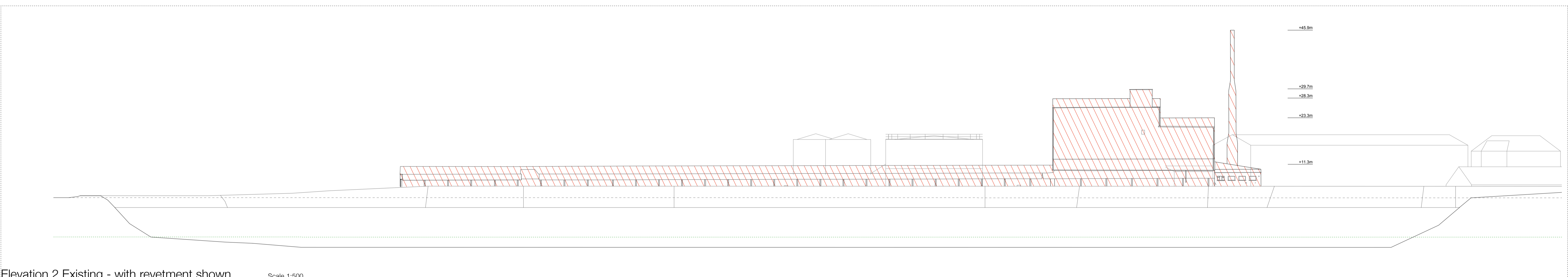
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

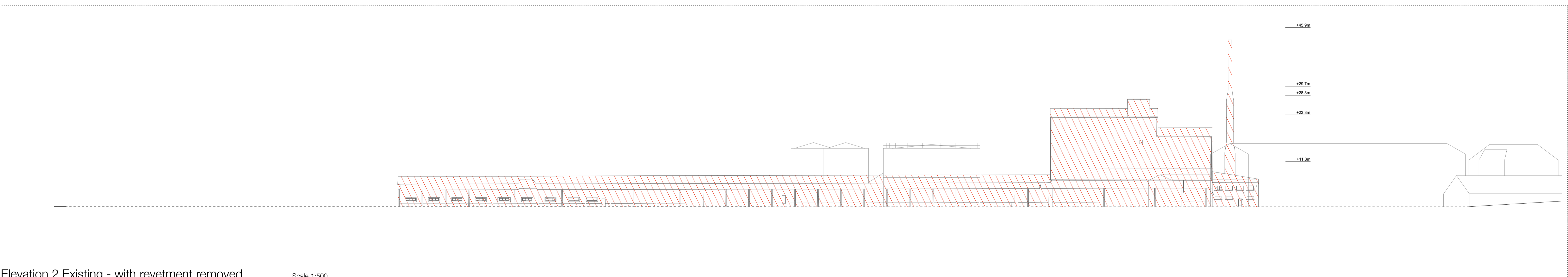
www.clancymoore.com . info@clancymoore.com . +353 1 7093005
66 Meath Street, Dublin 8, D08 DK64
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



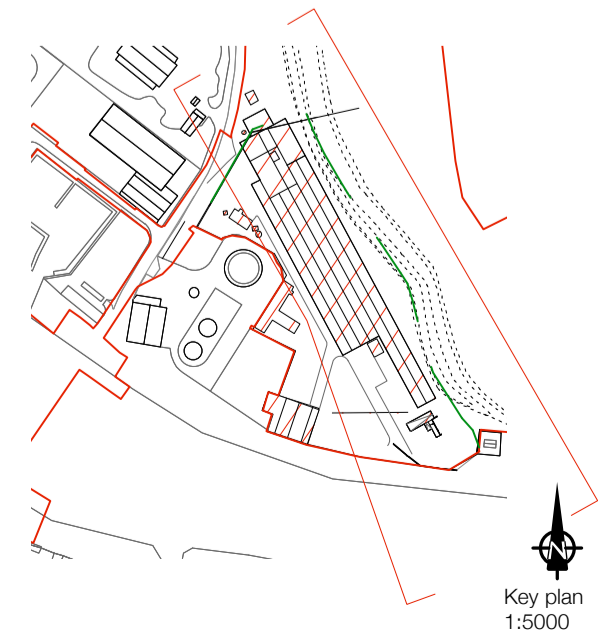
Elevation 1 Existing Scale 1:500




Elevation 2 Existing - with revetment shown Scale 1:500



Elevation 2 Existing - with revetment removed Scale 1:500



Notes
 BUILDING OR STRUCTURE PROPOSED FOR DEMOLITION

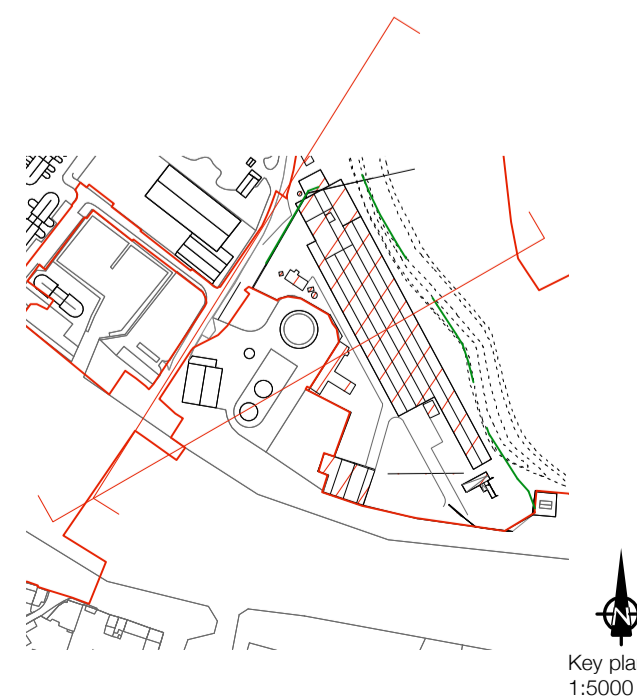
PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 DEMO ELEVATIONS 1:500 @A1 247825-00-DO-102
 SEPTEMBER 2018
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK84
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



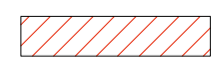
Elevation 3 Existing Scale 1:500



Elevation 4 Existing Scale 1:500



Notes

 BUILDING OR STRUCTURE PROPOSED FOR DEMOLITION

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

DEMO ELEVATIONS 1:500 @A1

247825-00-DO-103

SEPTEMBER 2018

ARUP

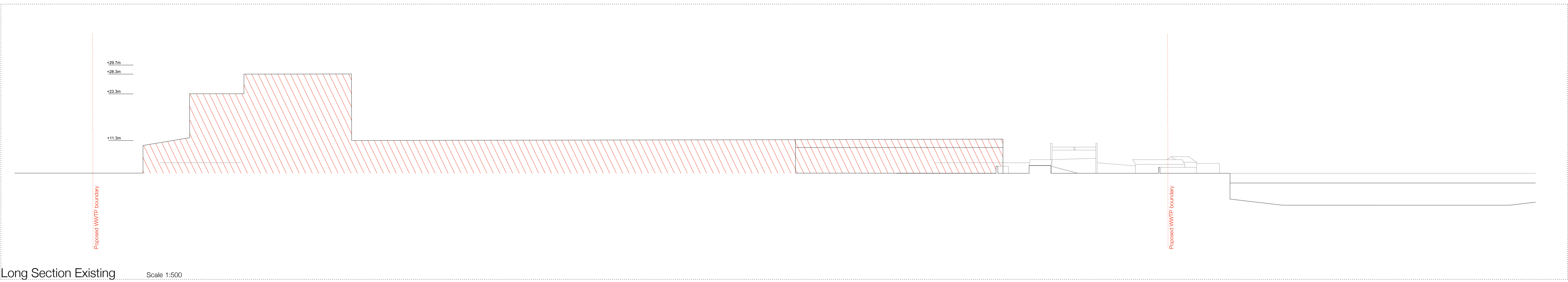
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

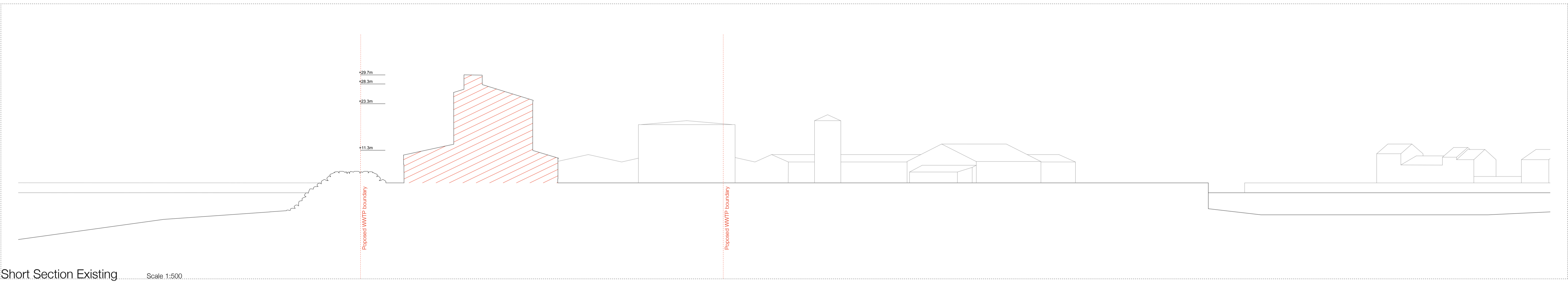
www.clancymoore.com . info@clancymoore.com . +353 1 7093005

66 Meath Street, Dublin 8, D08 DK84

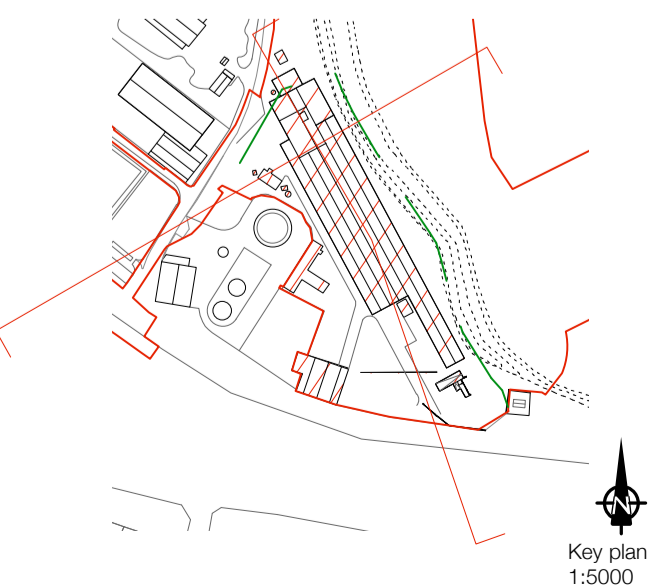
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.




Long Section Existing Scale 1:500



Short Section Existing Scale 1:500



Notes
 BUILDING OR STRUCTURE PROPOSED FOR DEMOLITION

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

DEMO SECTIONS 1:500 @A1

247825-00-DO-104

SEPTEMBER 2018

ARUP

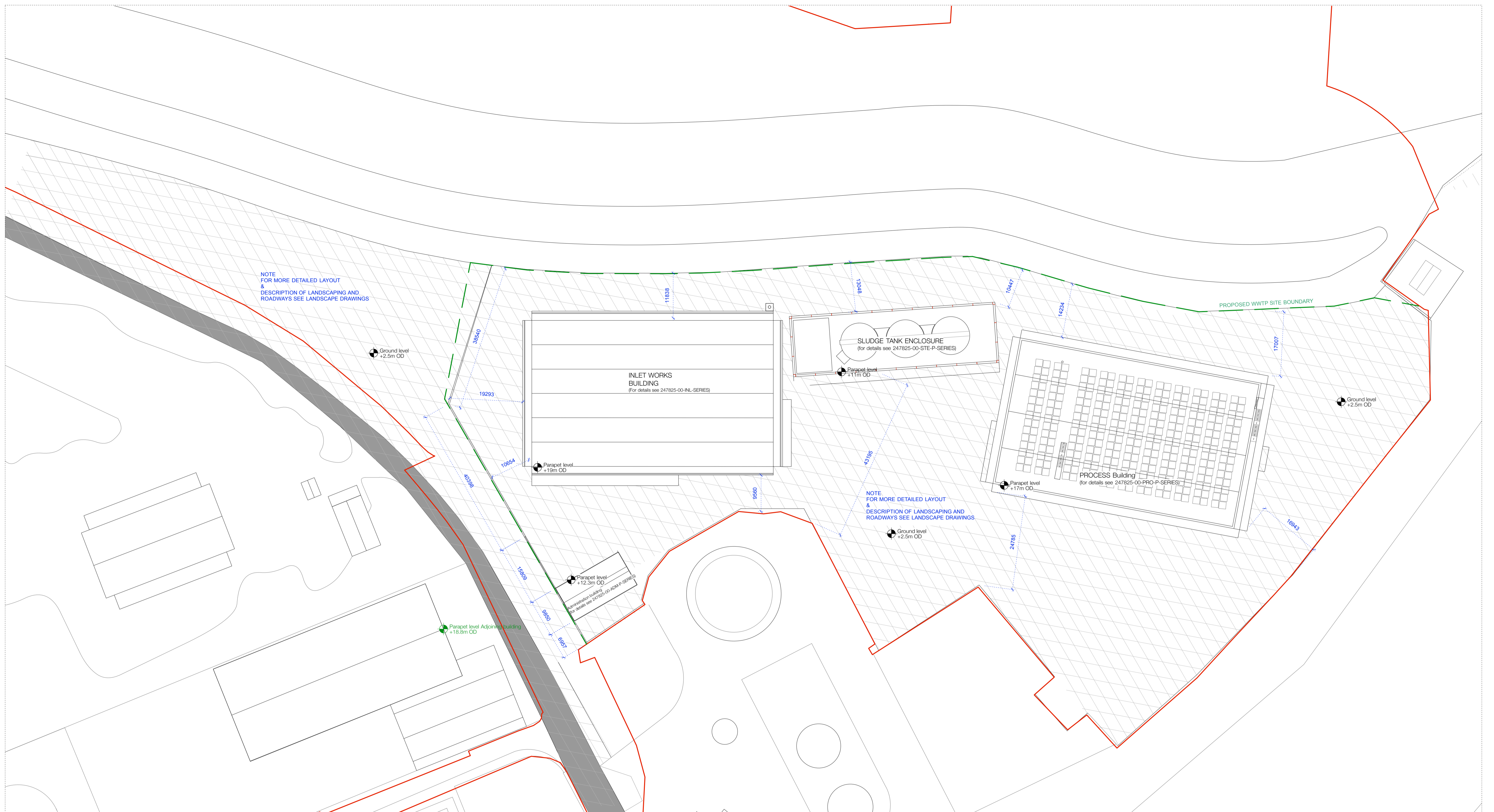
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

www.clancymoore.com . info@clancymoore.com . +353 1 7093005

66 Meath Street, Dublin 8, D08 DK84

Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



LEGEND

- Proposed WwTP site boundary
- Planning Boundary

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

PROPOSED SITE PLAN 1:500 @A1 247825-00-MP-001

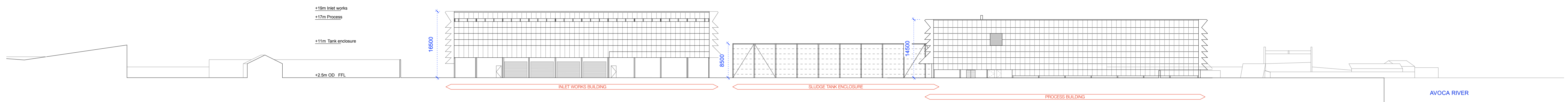
SEPTEMBER 2018

ARUP

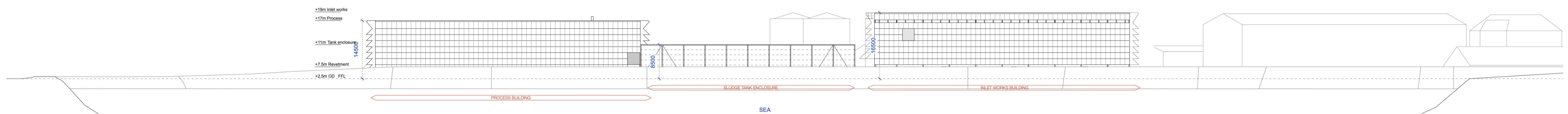
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

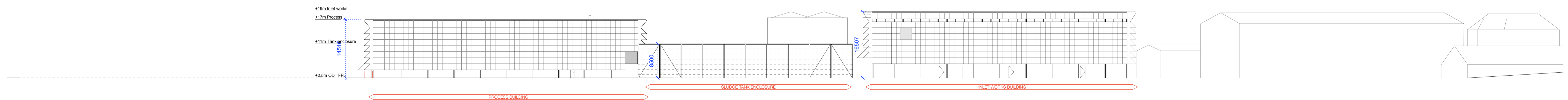
www.clancymoore.com . info@clancymoore.com . +353 1 7093005
66 Meath Street, Dublin 8, D08 DK64
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Elevation 1 Proposed Scale 1:500



Elevation 2 Proposed - revetment shown Scale 1:500



Elevation 2 Proposed - revetment not shown Scale 1:500



PLANNING APPLICATION

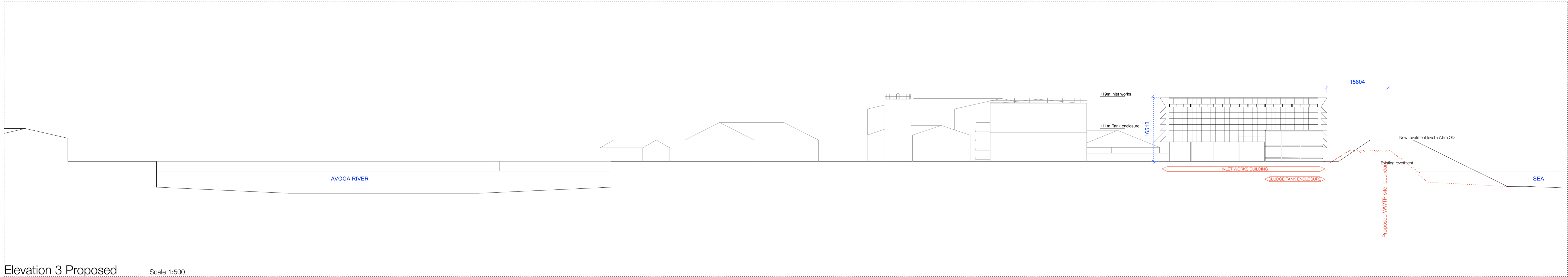
ARKLOW Wastewater Treatment Plant Project

Contiguous Site Elevations 1:500 @A1 247825-00-MP-002
SEPTEMBER 2018

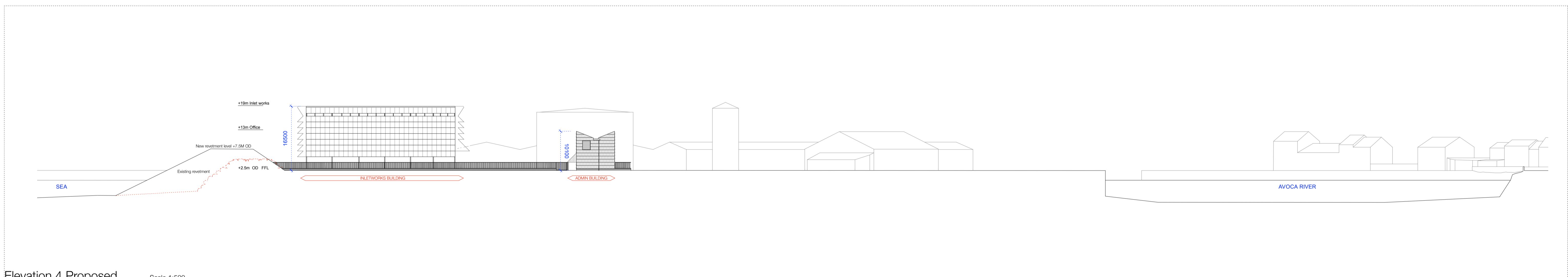
ARUP
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

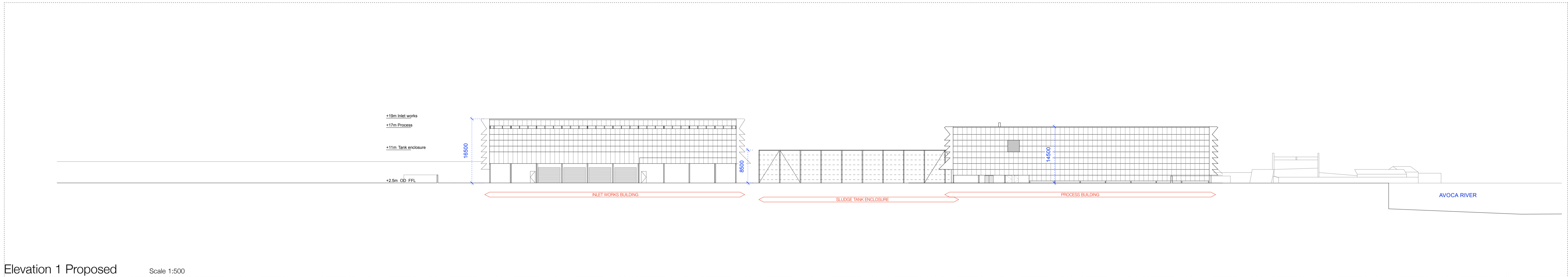
www.clancymoore.com . info@clancymoore.com . +353 1 7093005
66 Meath Street, Dublin 8, D08 DK84
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



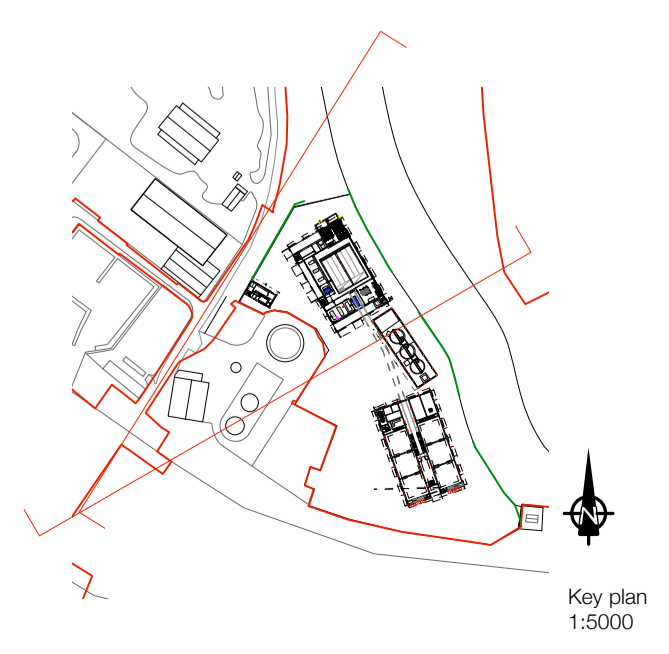
Elevation 3 Proposed Scale 1:500



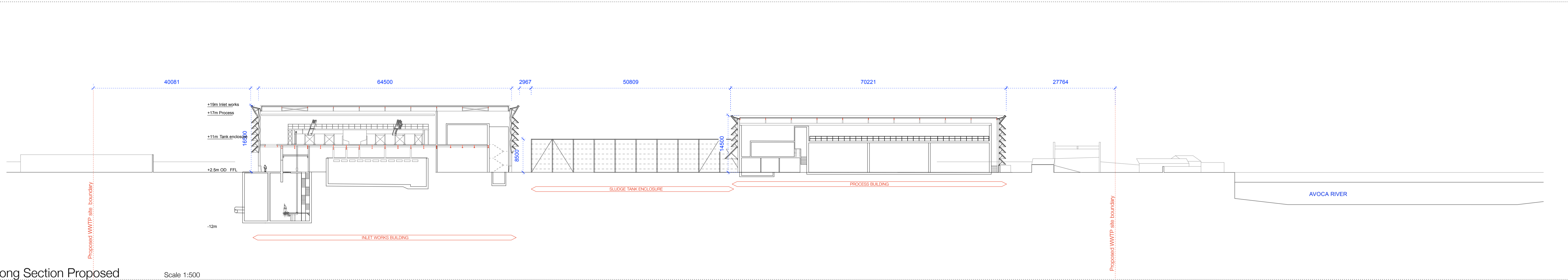
Elevation 4 Proposed Scale 1:500



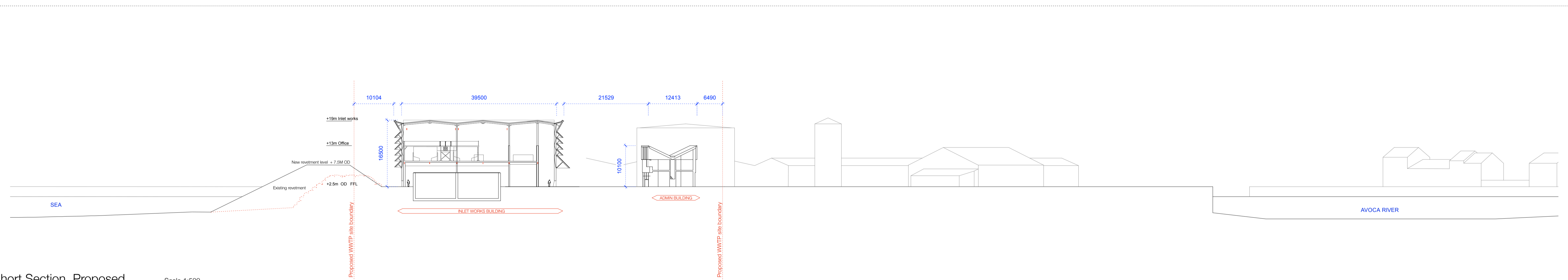
Elevation 1 Proposed Scale 1:500



PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 Contiguous Site Elevations 1:500 @A1 247825-00-MP-003
 SEPTEMBER 2018
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK84
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Long Section Proposed Scale 1:500



Short Section Proposed Scale 1:500



Key plan 1:5000

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

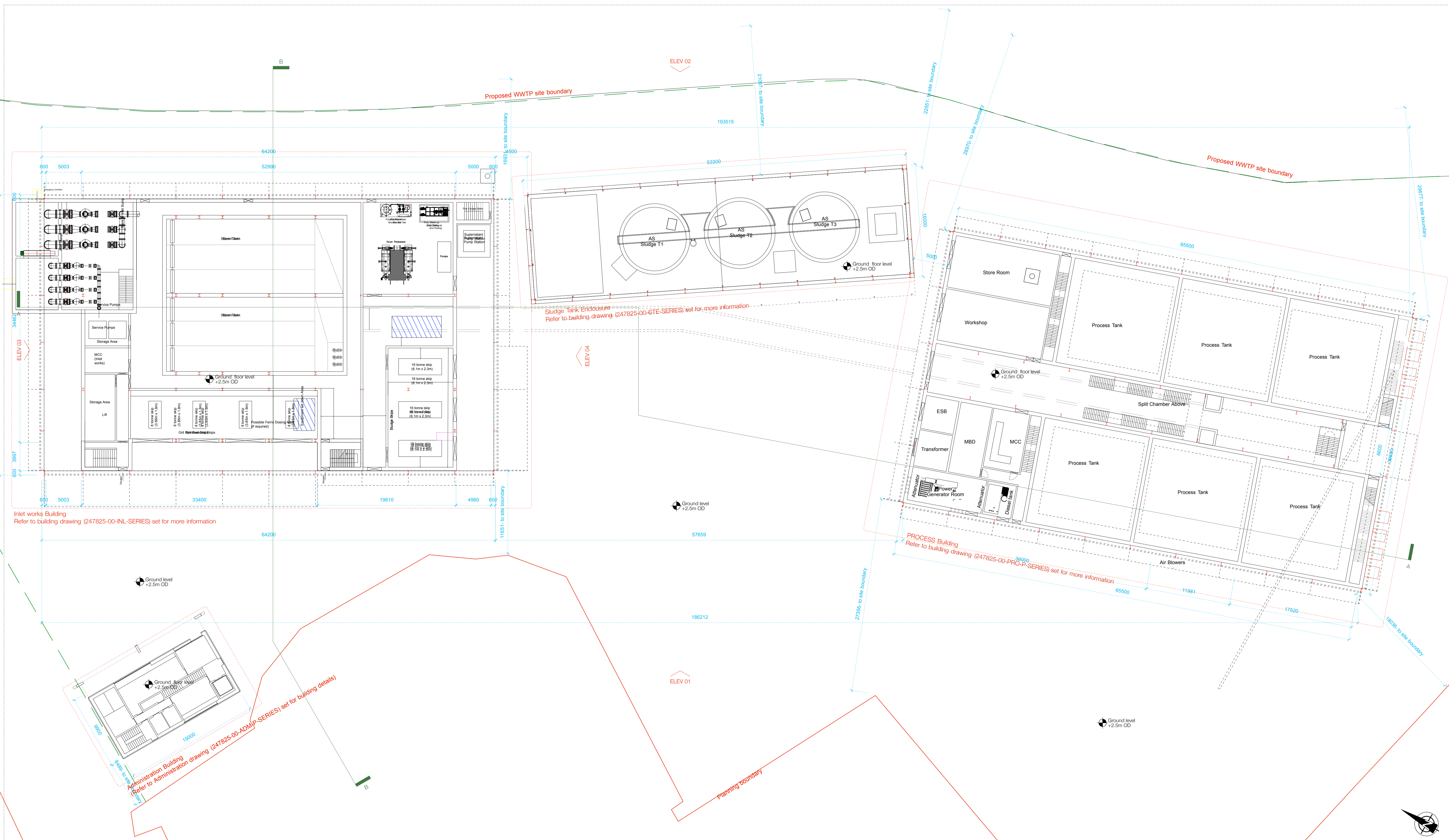
Contiguous Site Sections 1:500 @A1 247825-00-MP-004
SEPTEMBER 2018

ARUP

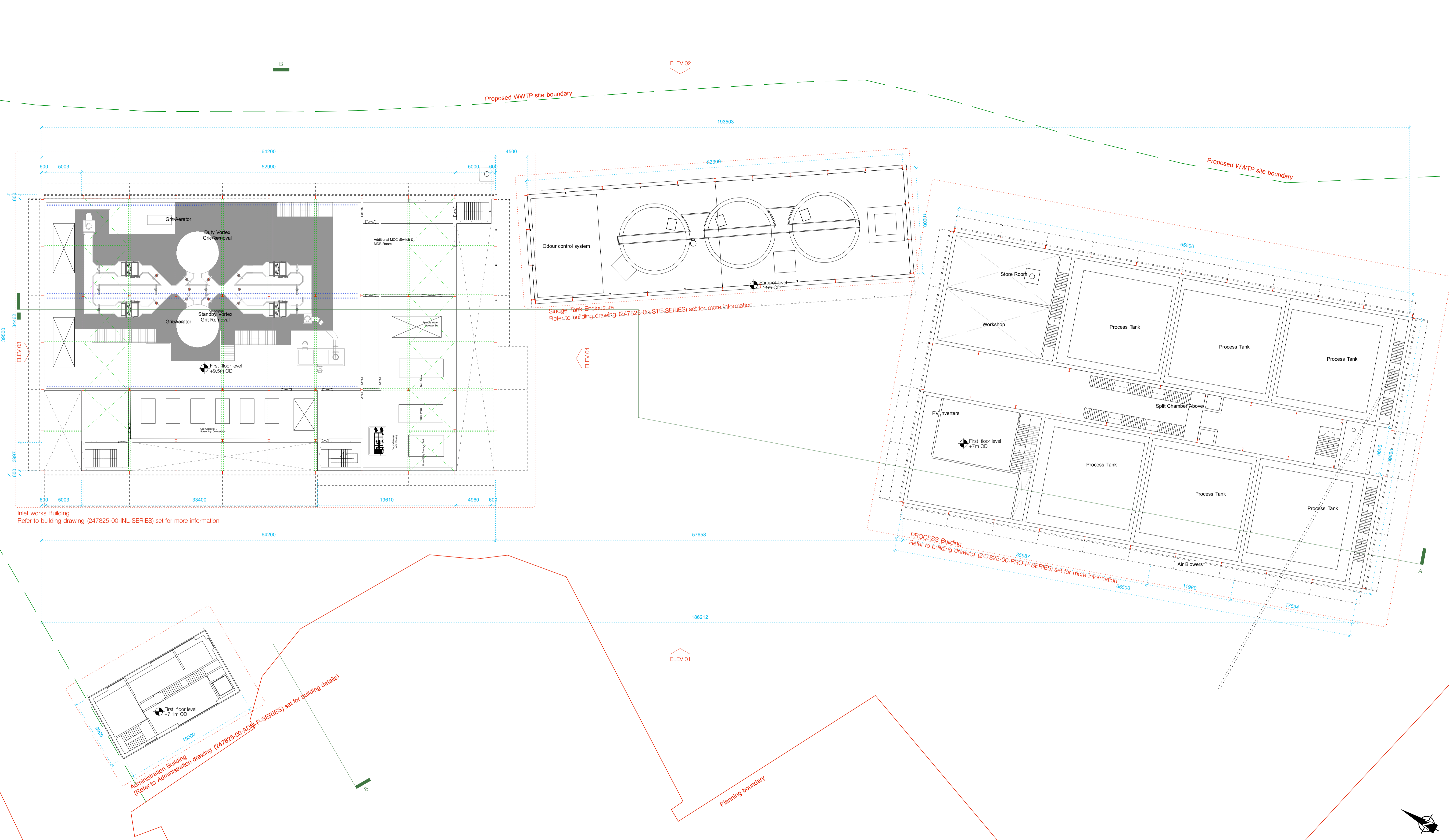
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

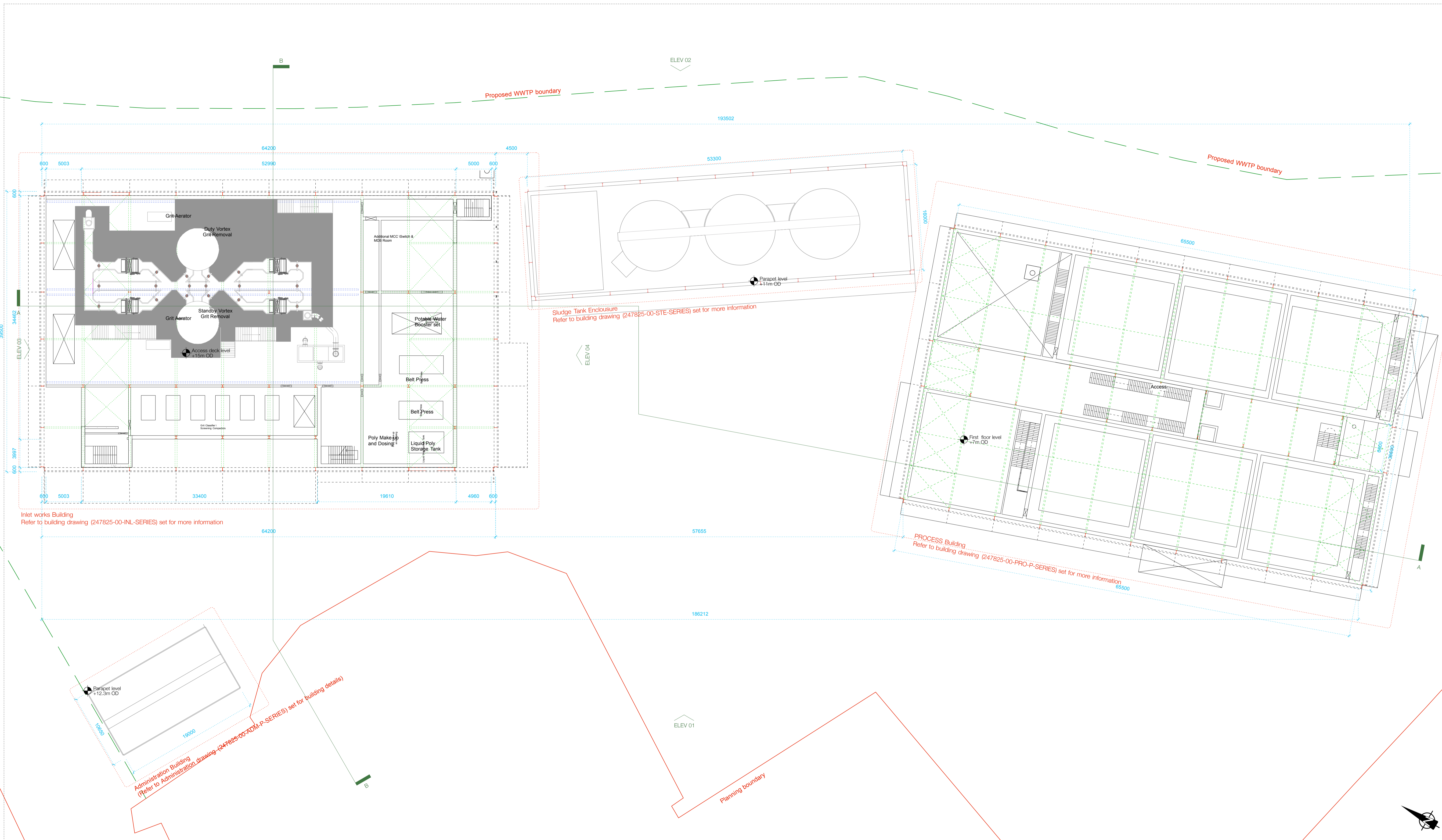
www.clancymoore.com . info@clancymoore.com . +353 1 7093005
66 Meath Street, Dublin 8, D08 DK84
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 Site layout @ +3.7m OD 1:250 @A1 247825-00-MP-005
 SEPTEMBER 2018
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 Site layout @ +10.5m OD 1:250 @A1 247825-00-MP-006
 SEPTEMBER 2018
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Inlet works Building
Refer to building drawing (247825-00-INL-SERIES) set for more information

Sludge Tank Enclosure
Refer to building drawing (247825-00-STE-SERIES) set for more information

PROCESS Building
Refer to building drawing (247825-00-PRO-P-SERIES) set for more information

Administration Building
(Refer to Administration drawing (247825-00-ADM-P-SERIES) set for building details)

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

Site layout @ +15m OD:250 @A1 247825-00-MP-007

SEPTEMBER 2018

ARUP

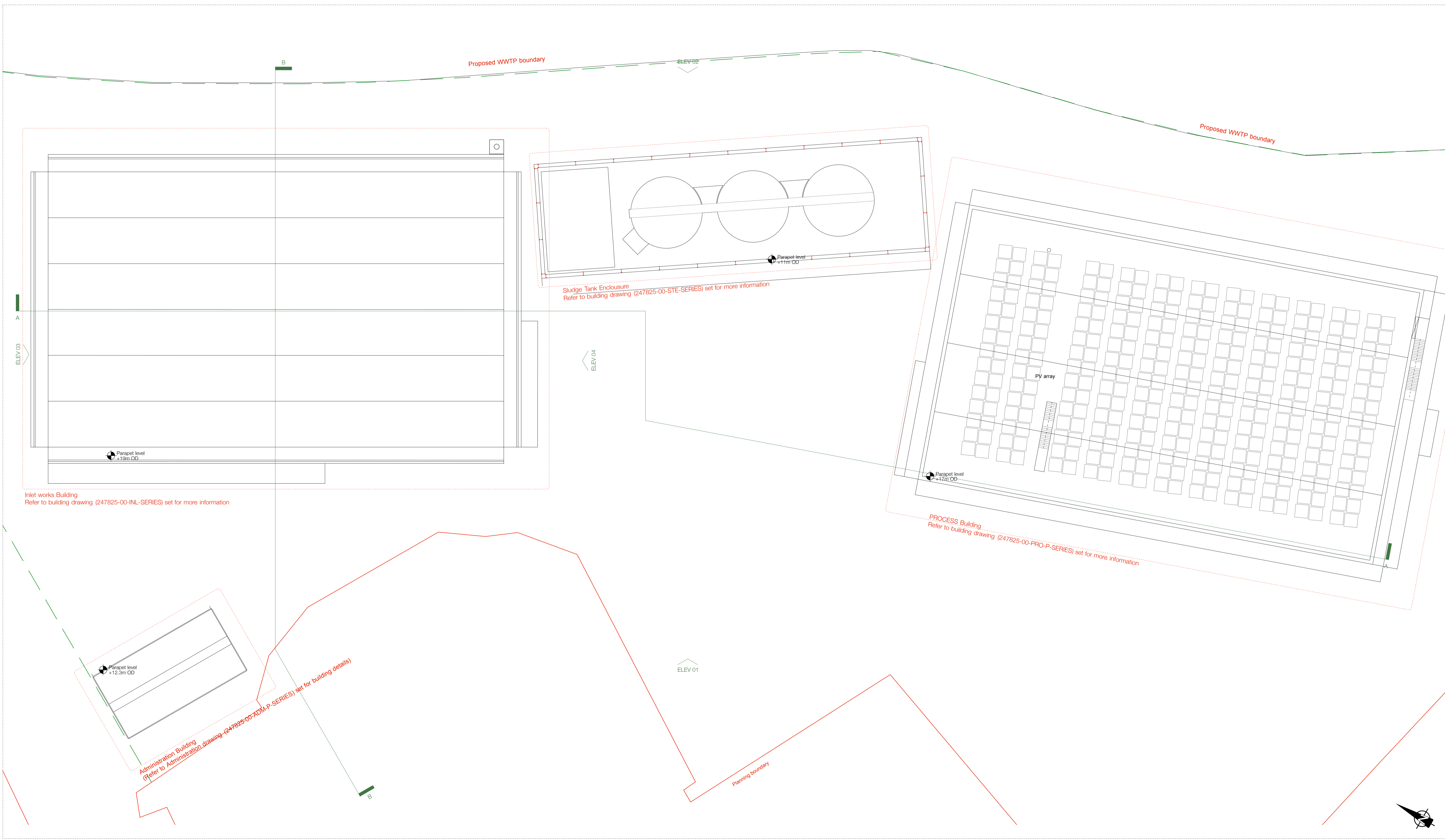
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

www.clancymoore.com . info@clancymoore.com . +353 1 7093005

66 Meath Street, Dublin 8, D08 DK64

Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Inlet works Building
Refer to building drawing (247825-00-INL-SERIES) set for more information

Sludge Tank Enclosure
Refer to building drawing (247825-00-STE-SERIES) set for more information

Administration Building
Refer to Administration drawing (247825-00-ADM-P-SERIES) set for building details

PROCESS Building
Refer to building drawing (247825-00-PRO-P-SERIES) set for more information

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

Site layout Roof 1:250 @A1

247825-00-MP-008

SEPTEMBER 2018

ARUP

BYRNE LOOBY

CLANCY MOORE ARCHITECTS

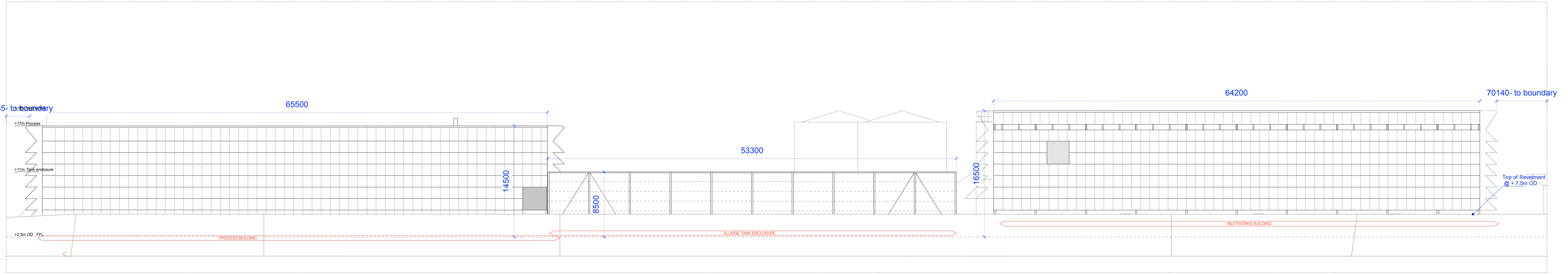
www.clancymoore.com · info@clancymoore.com · +353 1 7093005

66 Meath Street, Dublin 8, D08 DK64

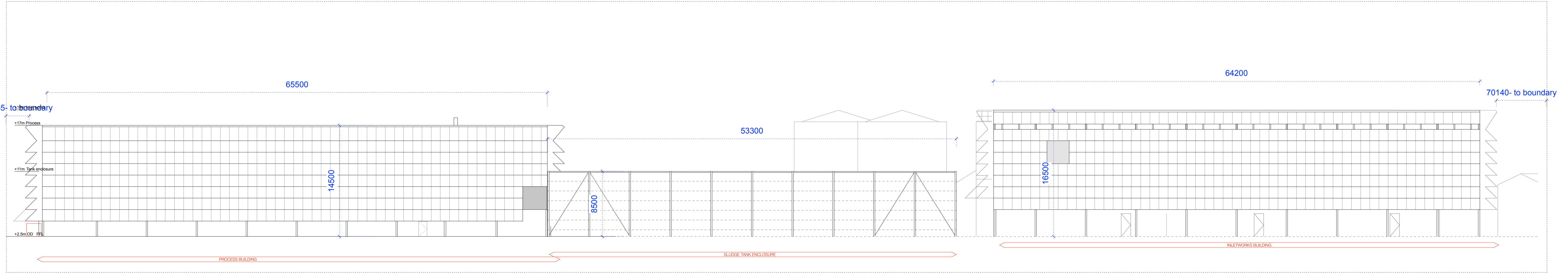
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Elevation 1 1:250



Elevation 2 1:250 - Revetment shown



Elevation 2 - with revetment removed 1:250

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

ELEVATIONS 1:250 @A1 247825-00-MP-009

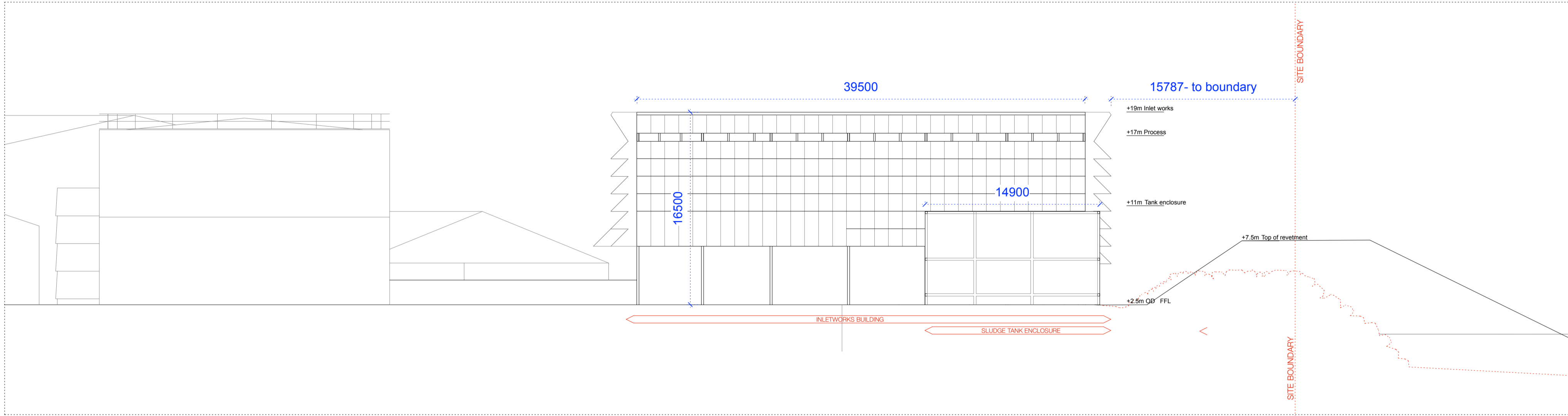
SEPTEMBER 2018

ARUP

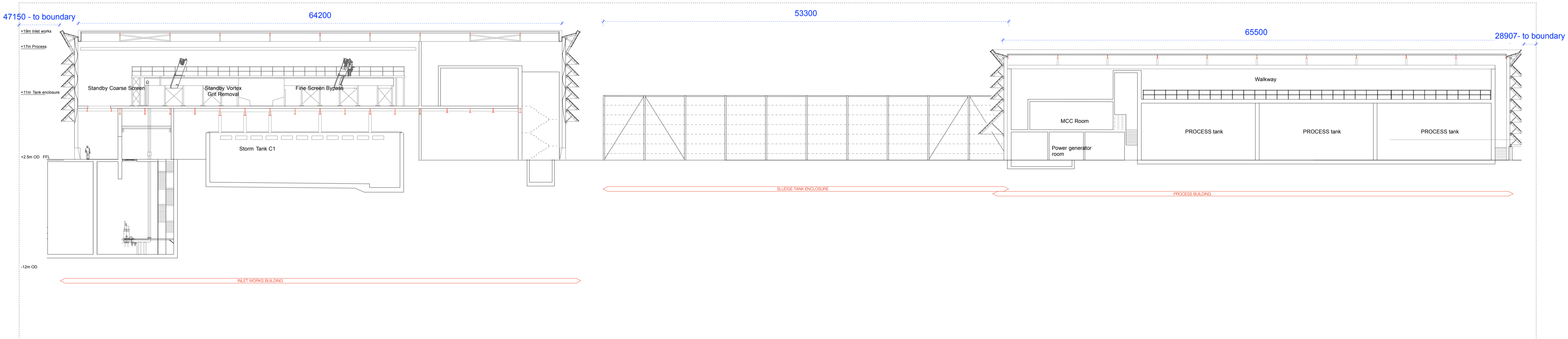
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

www.clancymoore.com · info@clancymoore.com · +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Elevation 4 1:250



Section AA 1:250

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

SECTION A-A 1:250 @A1 247825-00-MP-010

SEPTEMBER 2018

ARUP

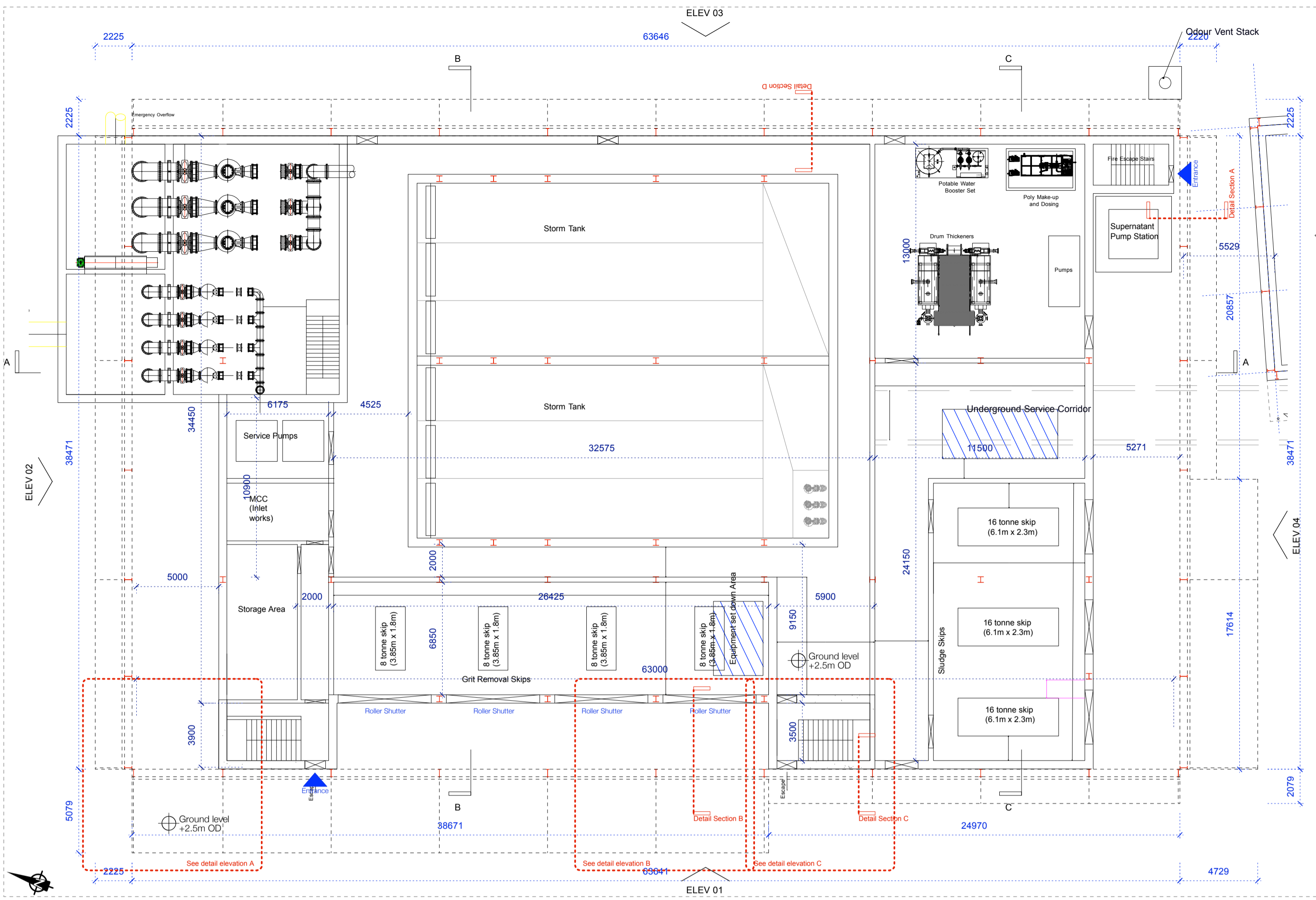
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

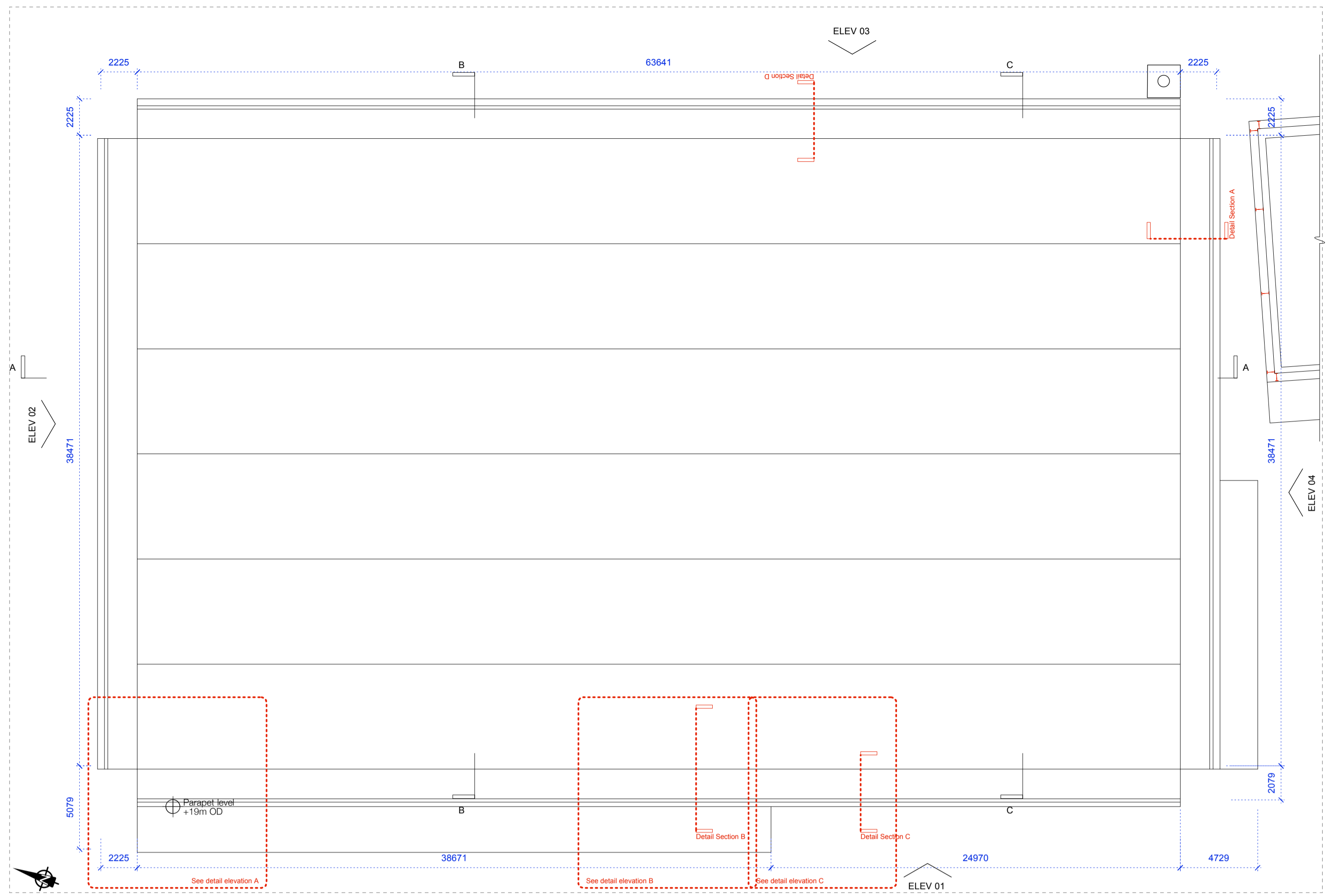
www.clancymoore.com . info@clancymoore.com . +353 1 7093005

66 Meath Street, Dublin 8, D08 DK64

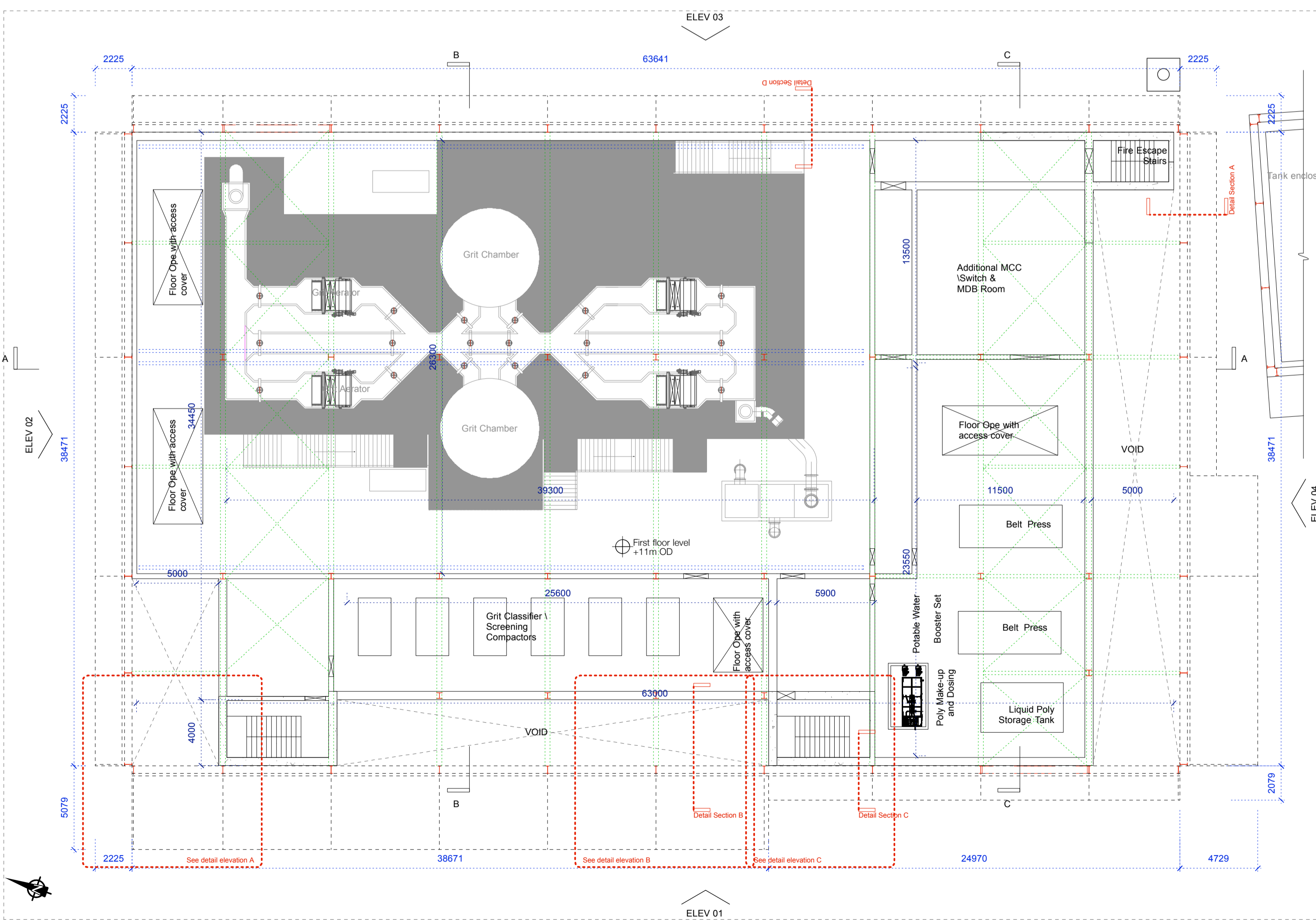
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



GF PLAN +2.50m OD SCALE 1:200

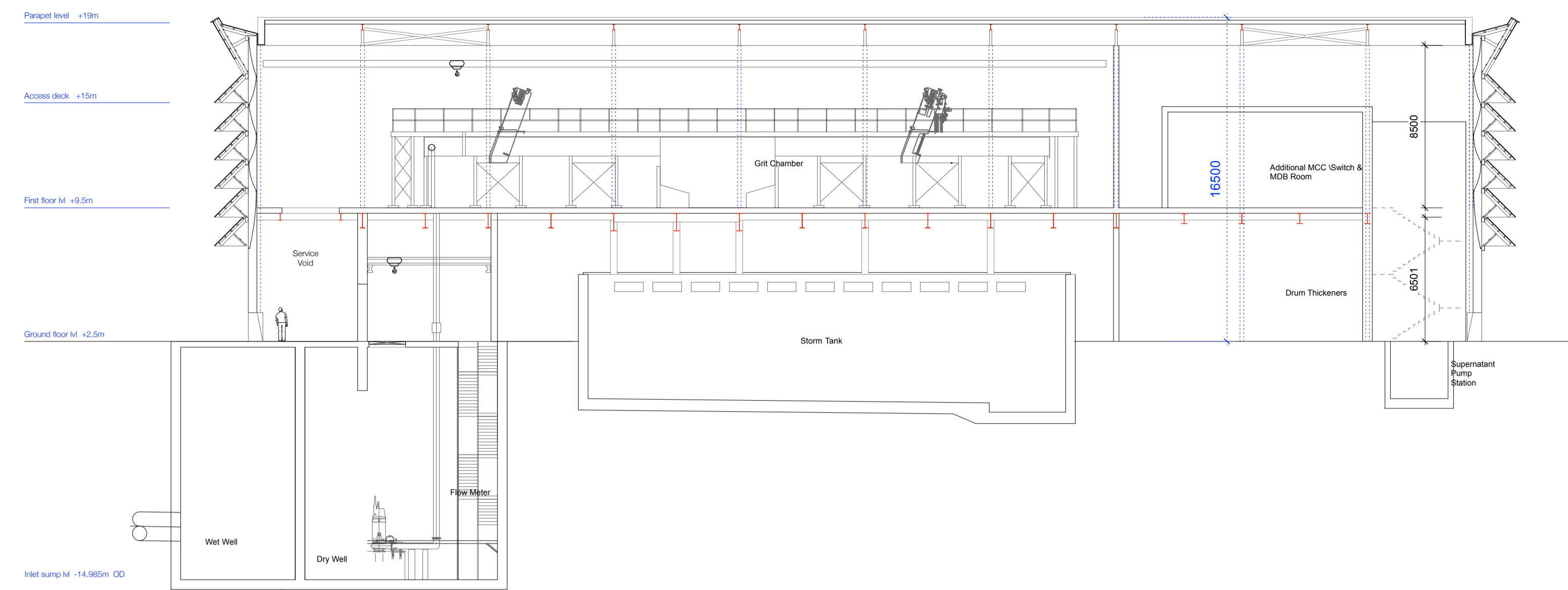


RF PLAN +19m OD SCALE 1:200

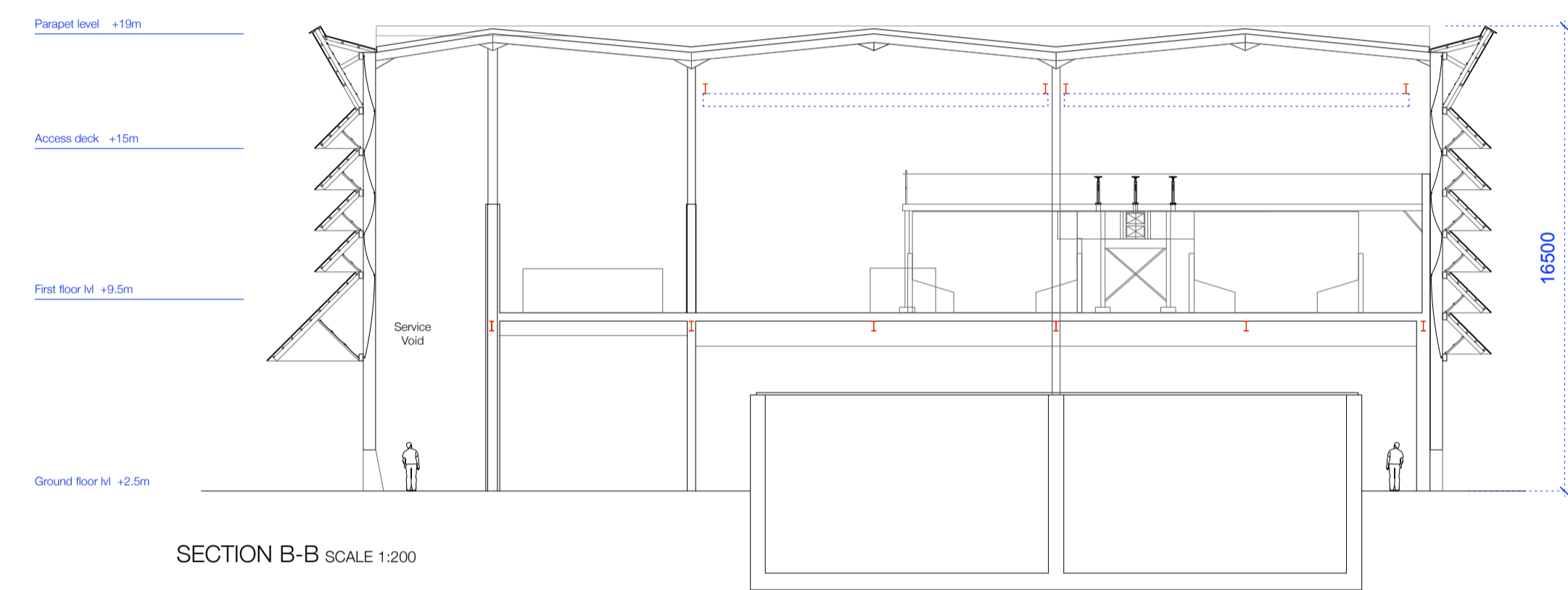


1F PLAN +11m OD SCALE 1:200

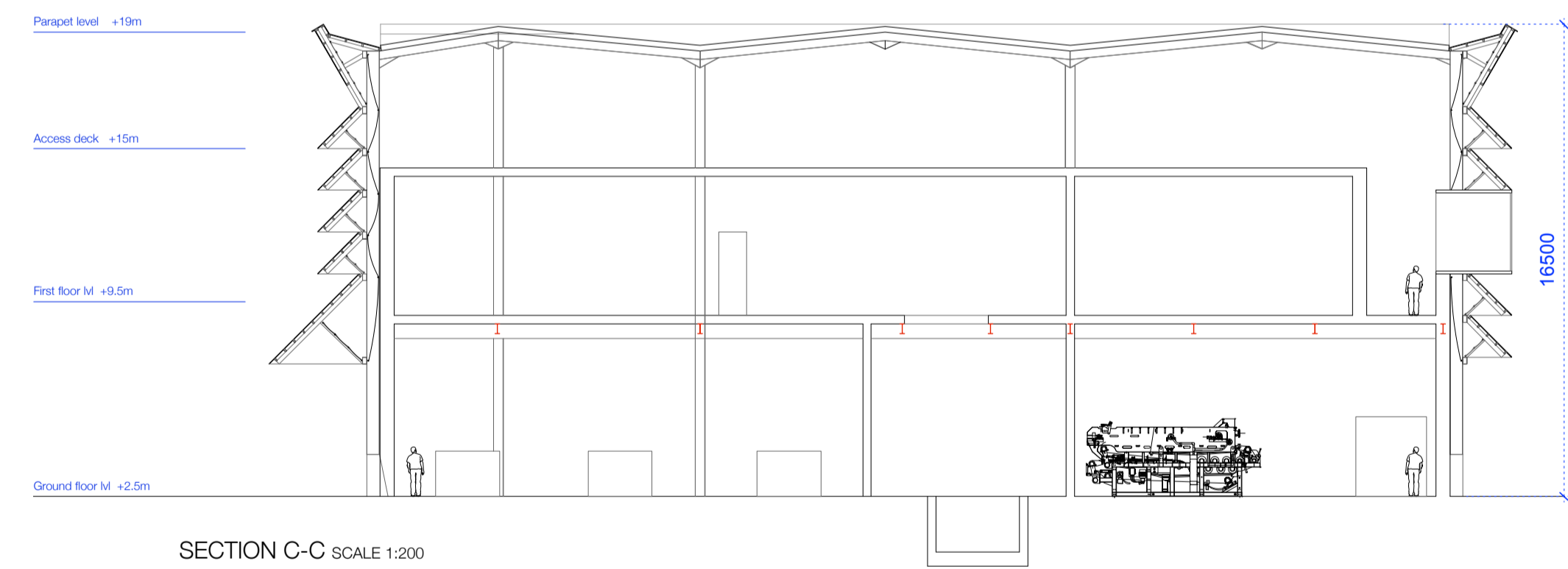
PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 INLET WORKS building Plans247825-00-INL-001
 SEPTEMBER 2018 Scale 1:200
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



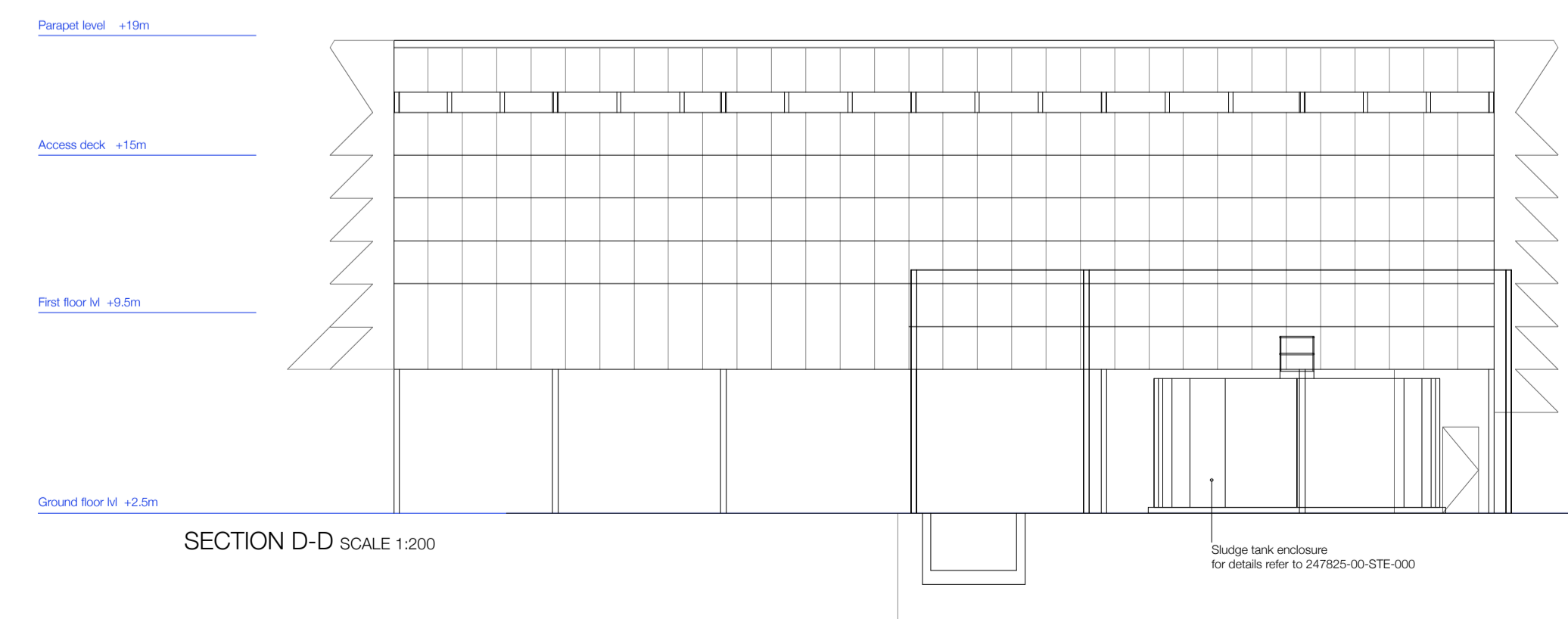
SECTION A-A SCALE 1:200



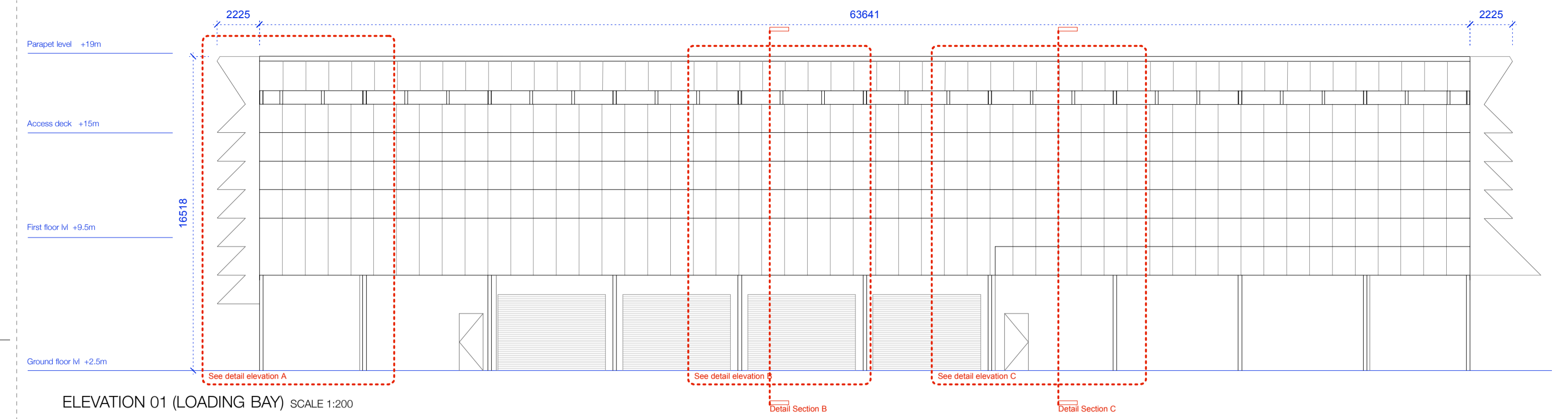
SECTION B-B SCALE 1:200



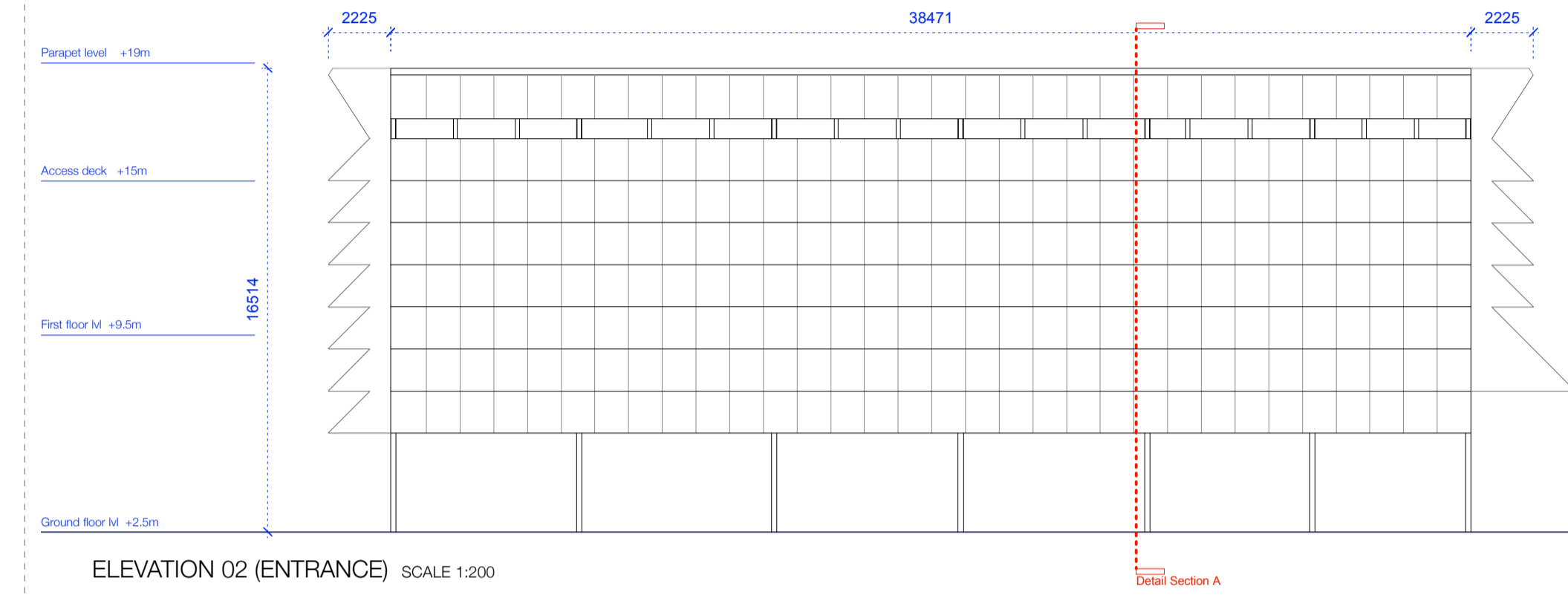
SECTION C-C SCALE 1:200



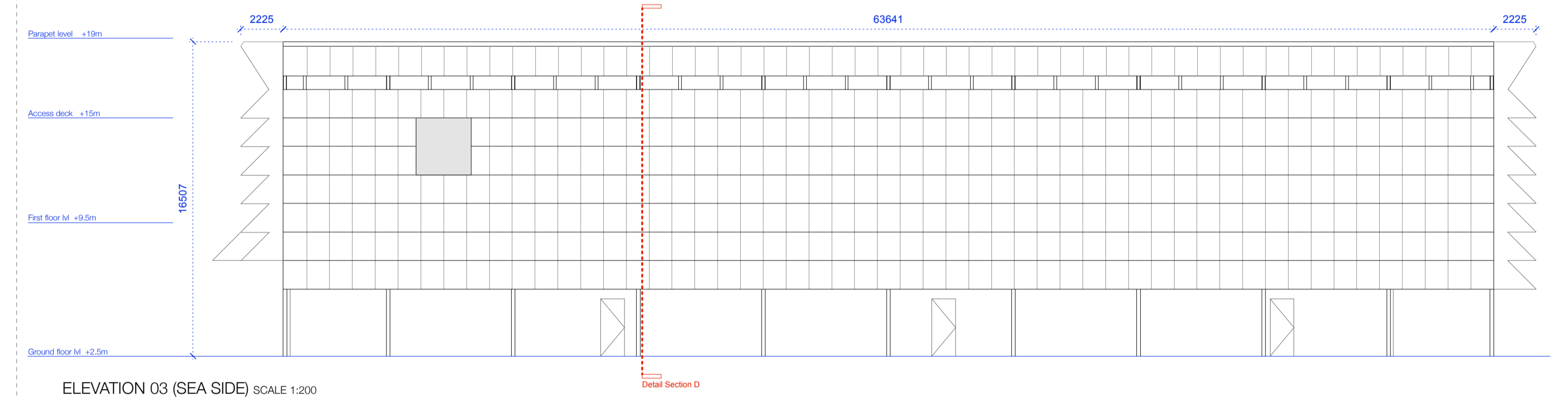
SECTION D-D SCALE 1:200



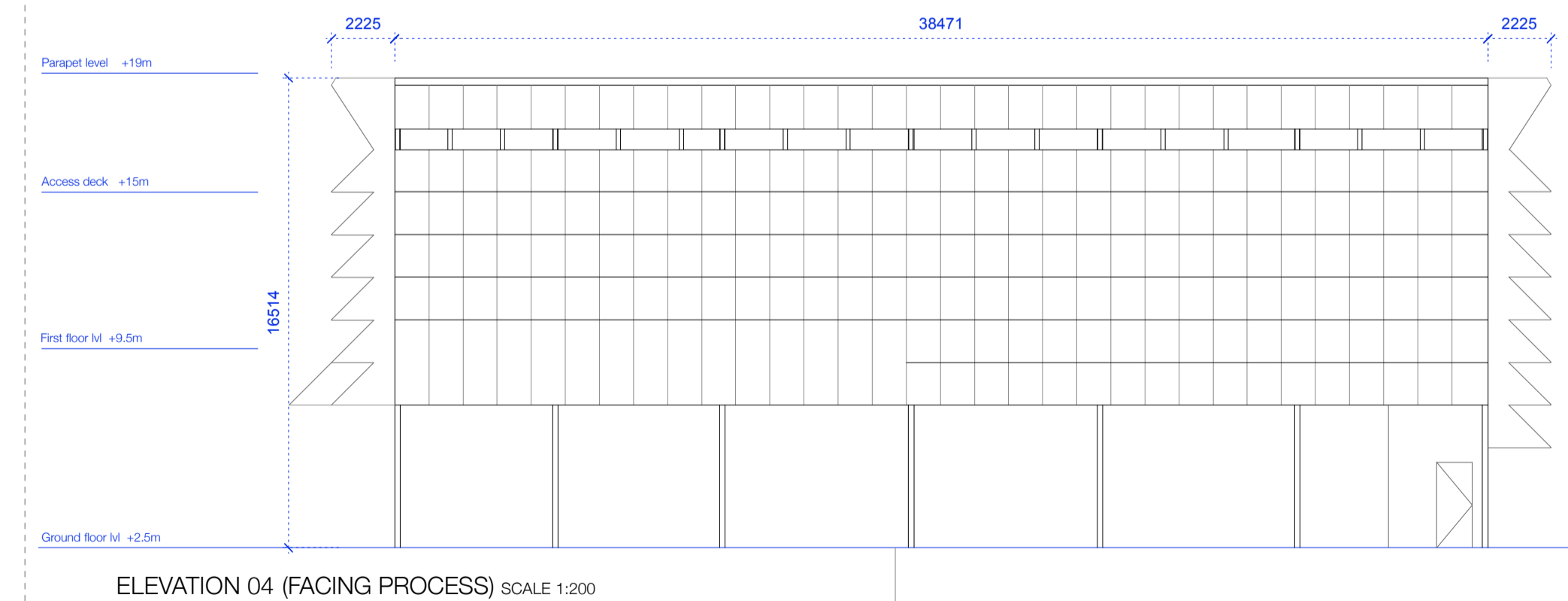
ELEVATION 01 (LOADING BAY) SCALE 1:200



ELEVATION 02 (ENTRANCE) SCALE 1:200



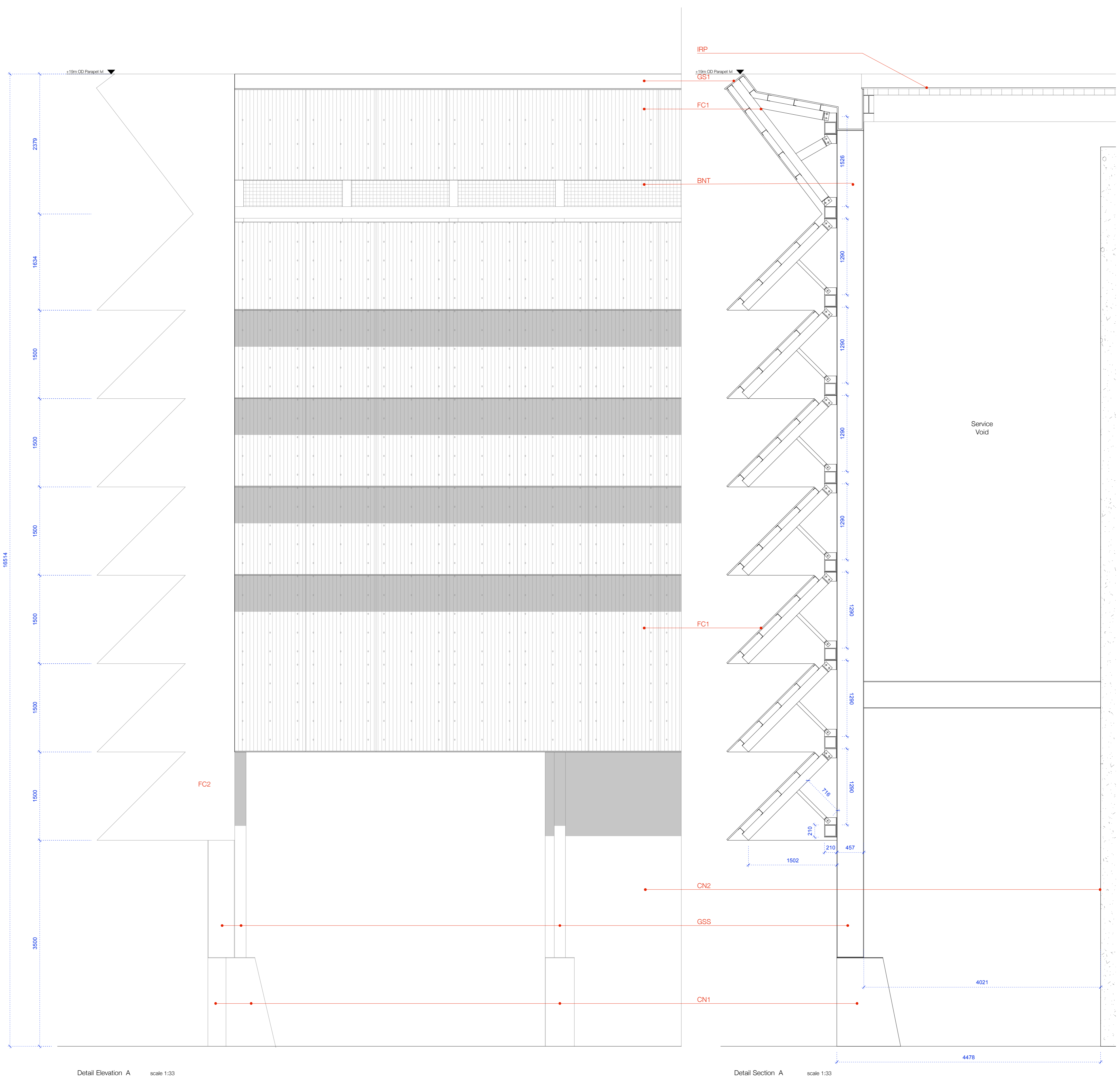
ELEVATION 03 (SEA SIDE) SCALE 1:200



ELEVATION 04 (FACING PROCESS) SCALE 1:200

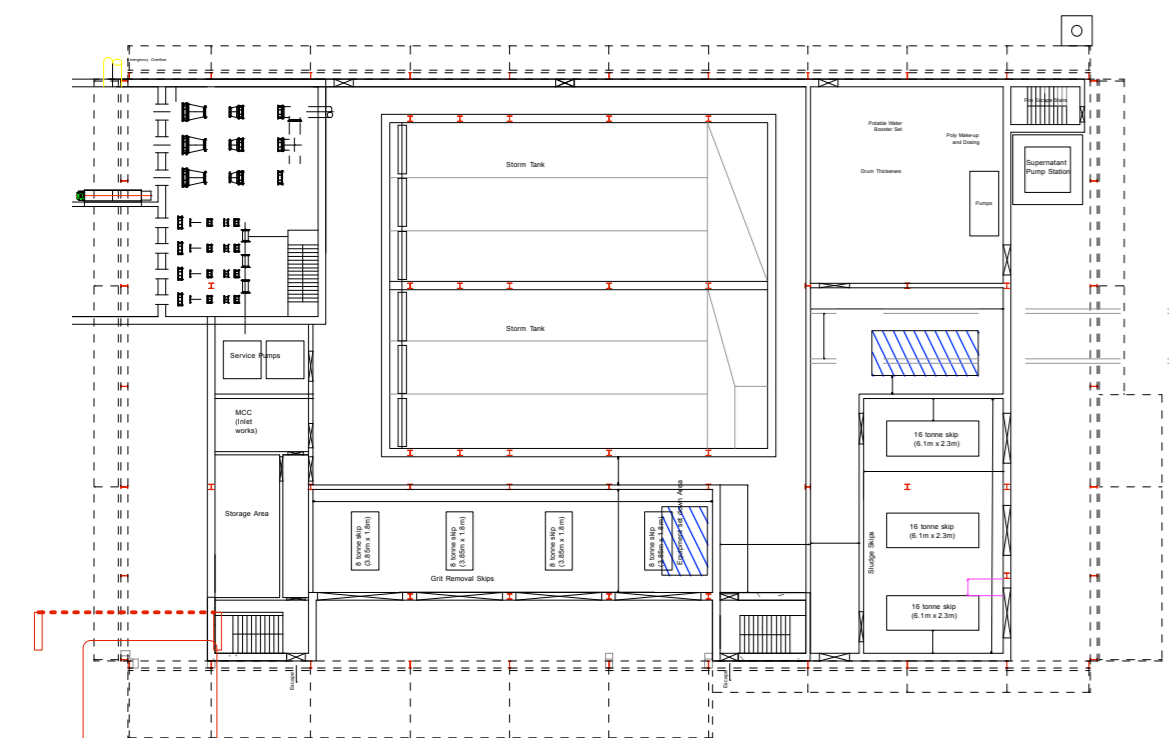
PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 INLET WORKS building file/Sect-247825-00-INL-002
 SEPTEMBER 2018 Scale 1:200

ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 68 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.

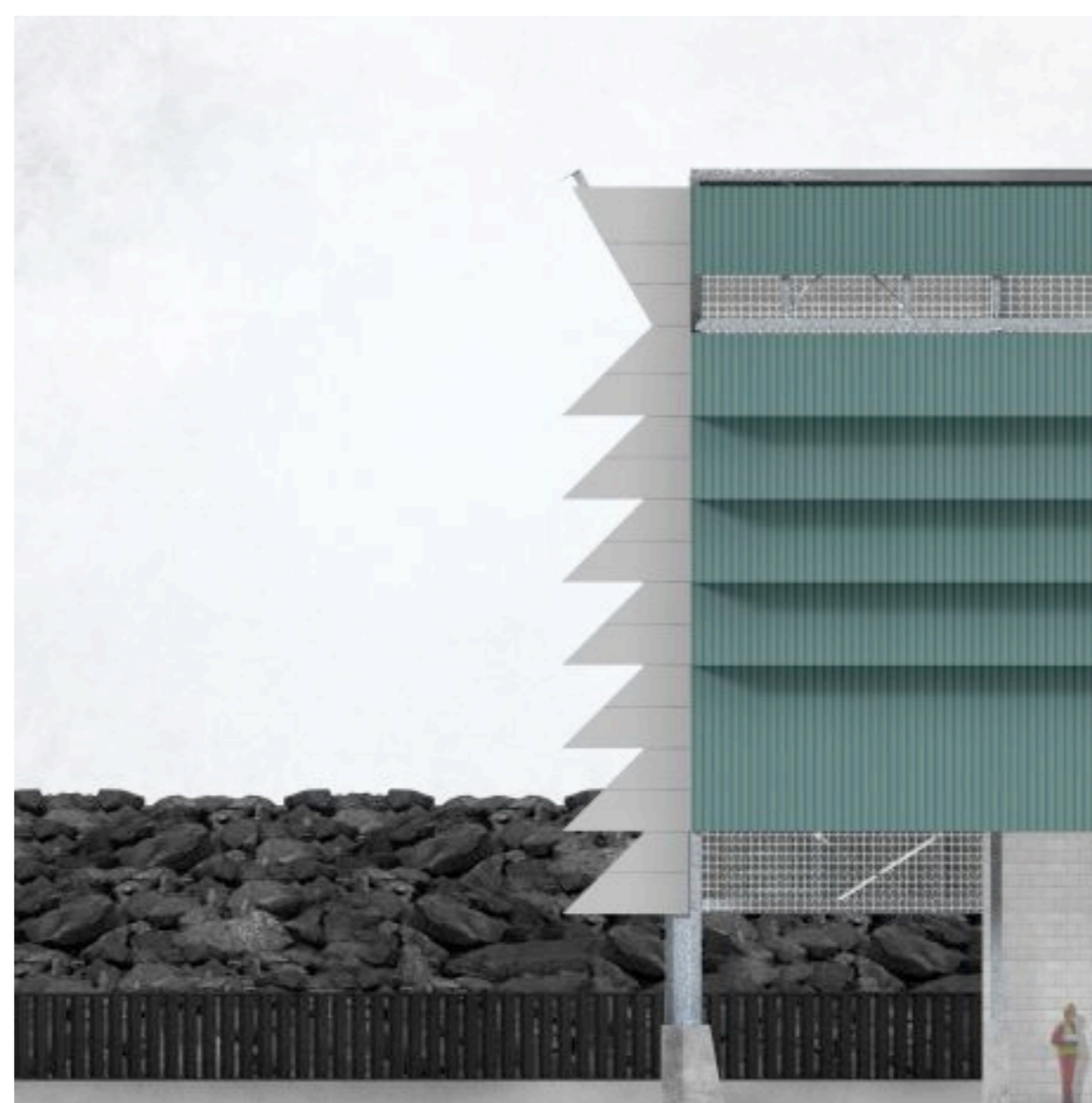


Detail Elevation A scale 1:33

Detail Section A scale 1:33



Key plan scale 1:500



Detail render

KEY

- FC1 - Fibre cement Panels, Corrugated
Colour - Green [RGB code: R-110,G-140,B-135]
Profile - Depth of Corrugations - 36mm
Distance between corrugation pitches - 130mm
Note - Fixings to be fitted with neoprene washers, colour to match panel colour, on approval of architect.
- FC2 - Fibre cement Panels, Flat - fitted to close end of facade
Colour - Green [RGB code: R-110,G-140,B-135]
Profile - Flat
- GSS - Galvanised Structural steel, Various sizes
Note - See drawing for section sizes
- GS1 - Galvanised Steel Flashing
- CN1 - Concrete footings for Steel columns
Finish - Acid washed to expose aggregate
- CN2 - Shear Concrete walls
Finish - Acid washed to expose aggregate to datum of +1500mm
- WLL - Blockwork walls infilling steel frame, Concrete kicker to bottom, rising to a datum of +1500mm
Finish Concrete - acid washed to expose aggregate
Finish Blockwork - as supplied
- BNT - Netting to restrict bird access
Material - Hardwearing nylon
Colour - Green
- IRP - 100mm thick insulated roof panel

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project
INLET WORKS building 247825-00-INL-D-001
SEPTEMBER 2018 Facade Detail Scale 1:33

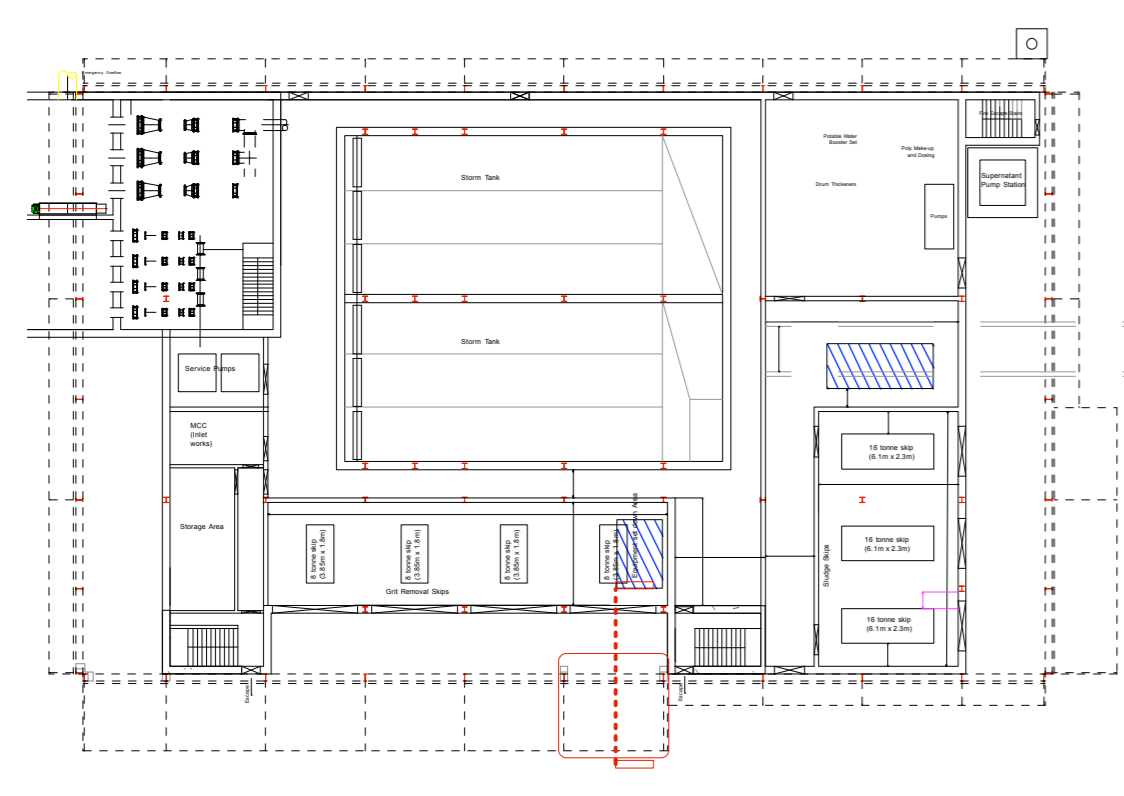
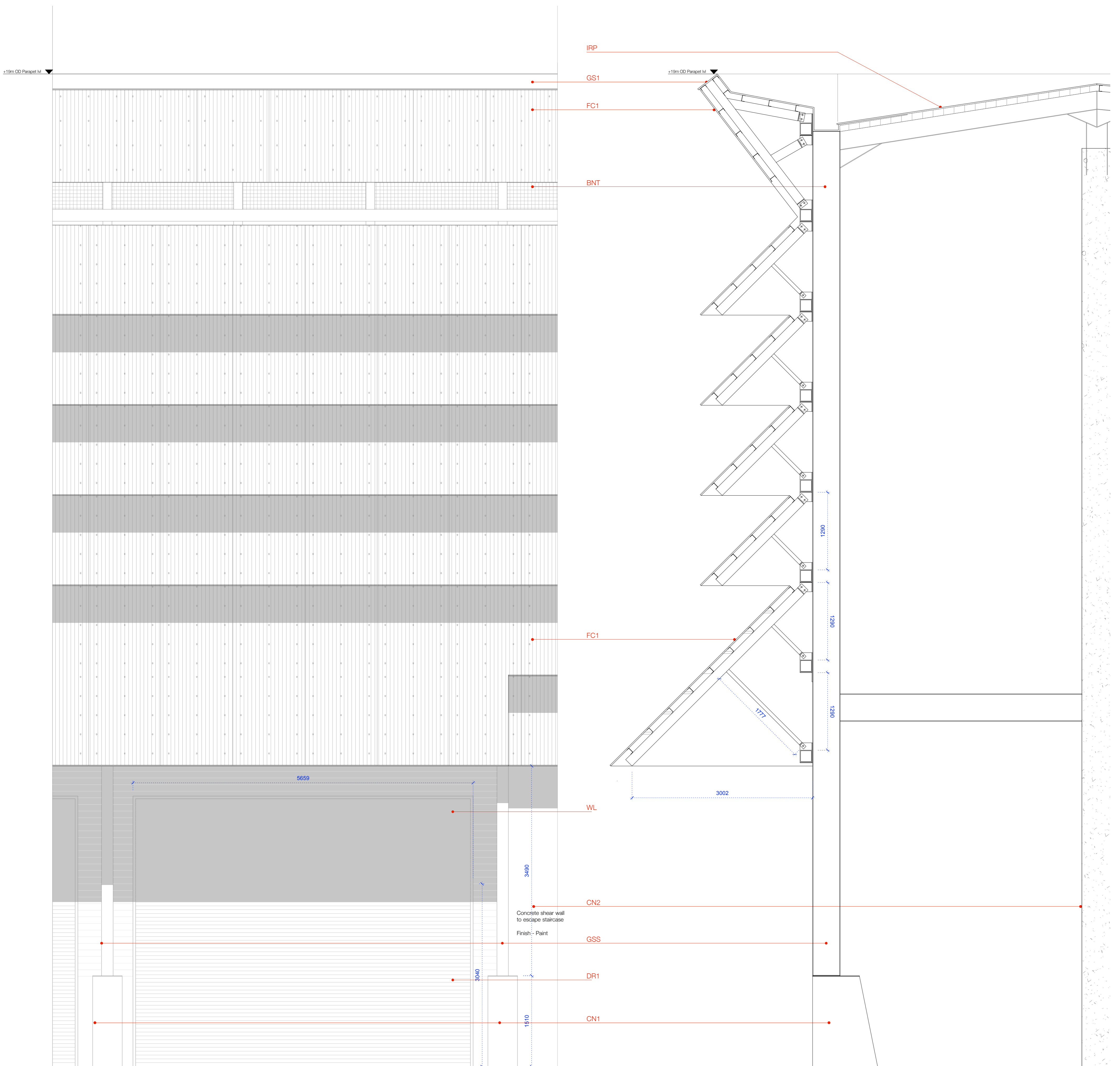
ARUP

BYRNE LOOBY

CLANCY MOORE ARCHITECTS

www.clancymoore.com . info@clancymoore.com . +353 1 7093005
66 Meath Street, Dublin 8, D08 DK64

Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



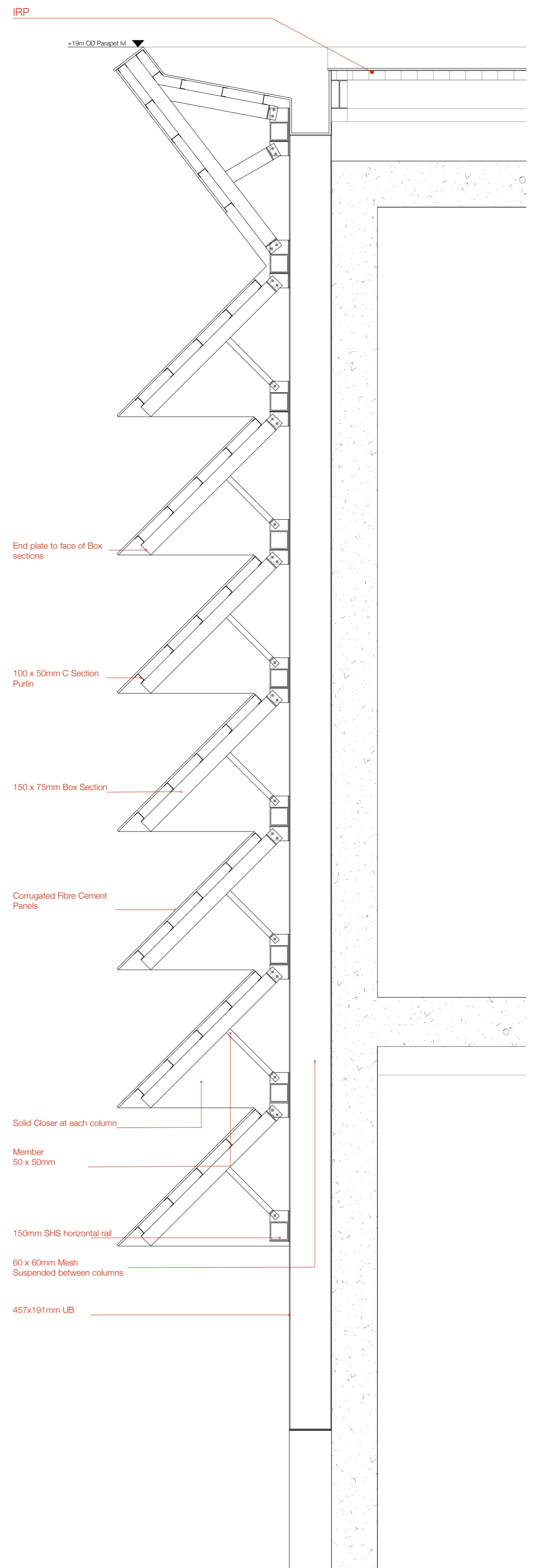
- KEY**
- FC1 - Fibre cement Panels, Corrugated
Colour - TBC
Profile - TBC
Note - Fixings to be fitted with neoprene headers, colour to match panel colour, on approval of architect.
 - FC2 - Fibre cement Panels, Flat - fitted to close end of facade
Colour - TBC
Profile - TBC
 - GSS - Galvanised Structural steel, Various sizes
Note - See drawing for section sizes
 - GS1 - Galvanised Steel Flashing
 - DR1 - Galvanised roller shutter door
 - DR2 - Galvanised Fire escape door
 - CN1 - Concrete footings for Steel columns
Finish - Acid washed to expose aggregate
 - CN2 - Shear Concrete walls
Finish - Acid washed to expose aggregate to datum of +1500mm
 - WLL - Blockwork walls infilling steel frame, Concrete kicker to bottom, rising to a datum of +1500mm
Finish Concrete - acid washed to expose aggregate
Finish Blockwork - as supplied
 - BNT - Netting to restrict bird access
Material - Hardwareearing nylon
Colour - Green
 - IRP - 100mm thick insulated roof panel

PLANNING APPLICATION
ARKLOW Wastewater Treatment Plant Project
INLET WORKS building 247825-00-INL-D-002
SEPTEMBER 2018 Facade Detail Scale 1:33

ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



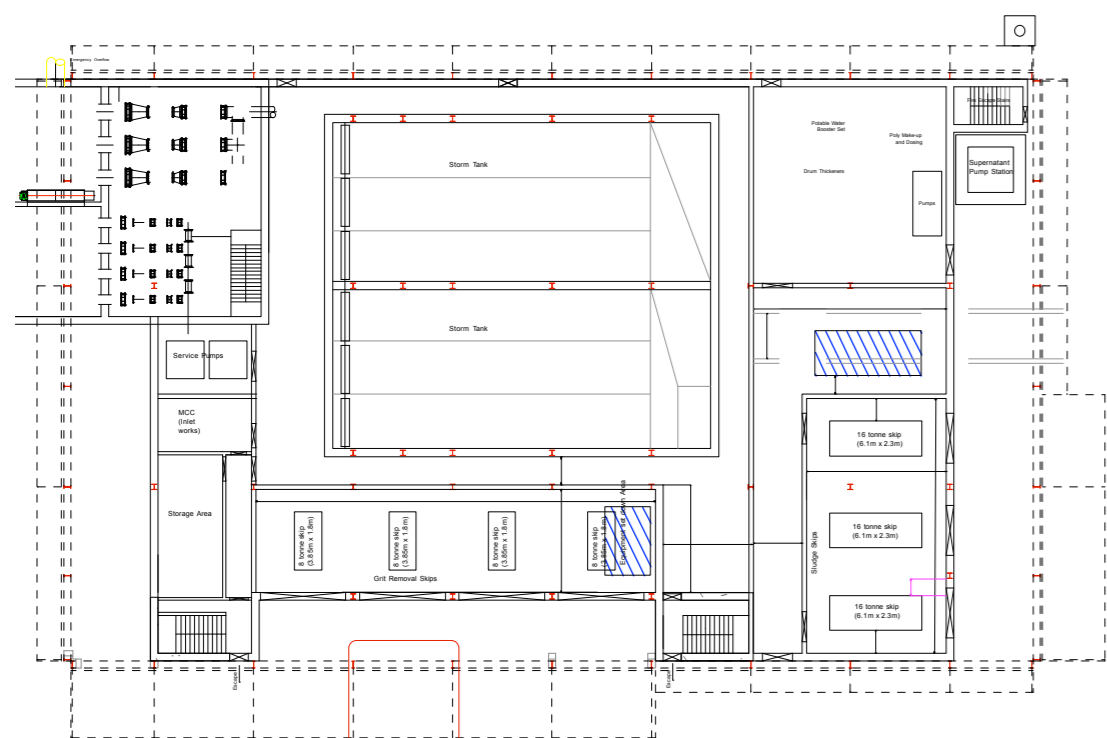
Detail Elevation D scale 1:33



Detail Section D scale 1:33

KEY

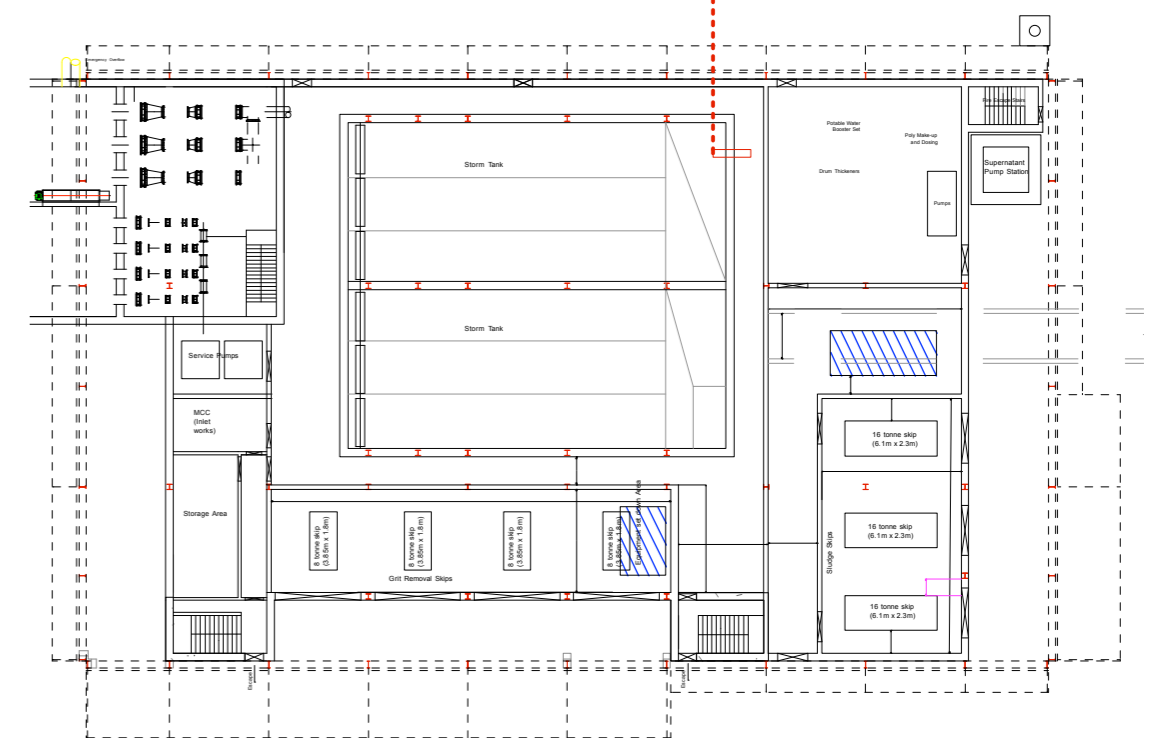
- GSS - Galvanised Structural steel, Various sizes
Note - See drawing for section sizes
- GS1 - Galvanised Steel Flashing
- CN1 - Concrete footings for Steel columns
Finish - Acid washed to expose aggregate
- BNT - Netting to restrict bird access
Material - Hardwearing nylon
Colour - Green
- IRP - 100mm thick insulated roof panel



Key plan scale 1:500



Detail render - Space behind the screen



Key plan scale 1:500

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

INLET WORKS building 247825-00-INL-D-003

SEPTEMBER 2018

Facade Detail Scale 1:33

ARUP

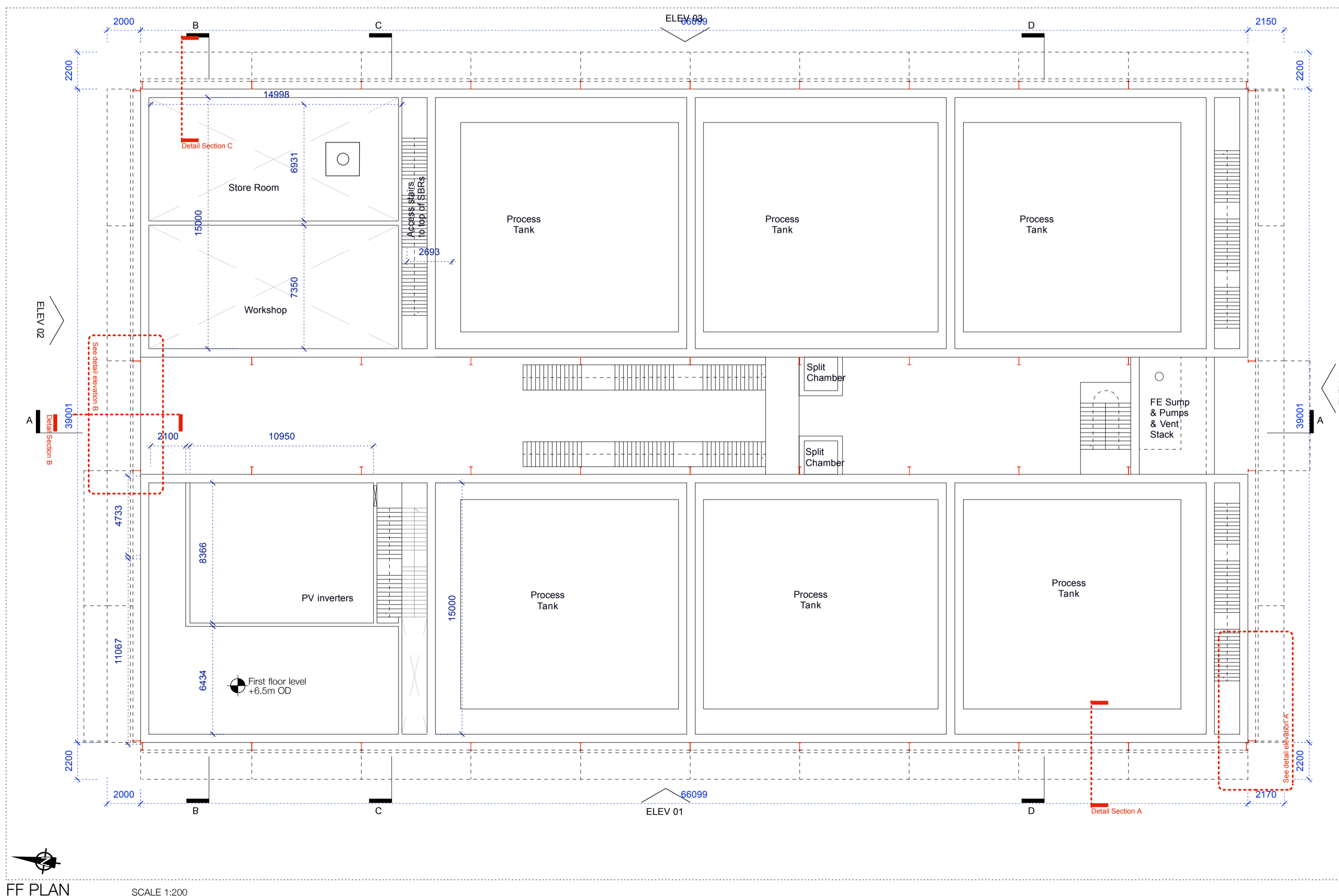
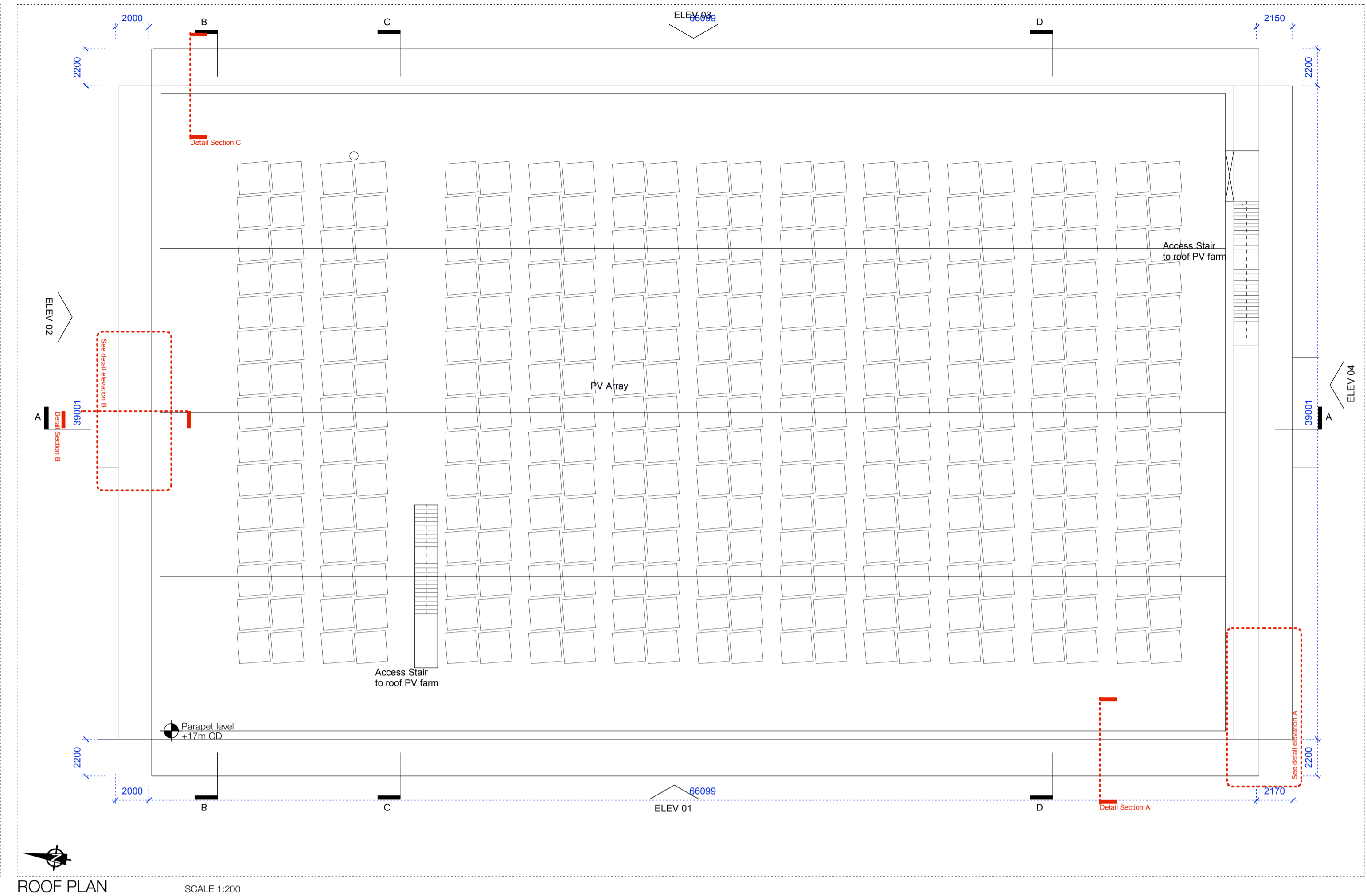
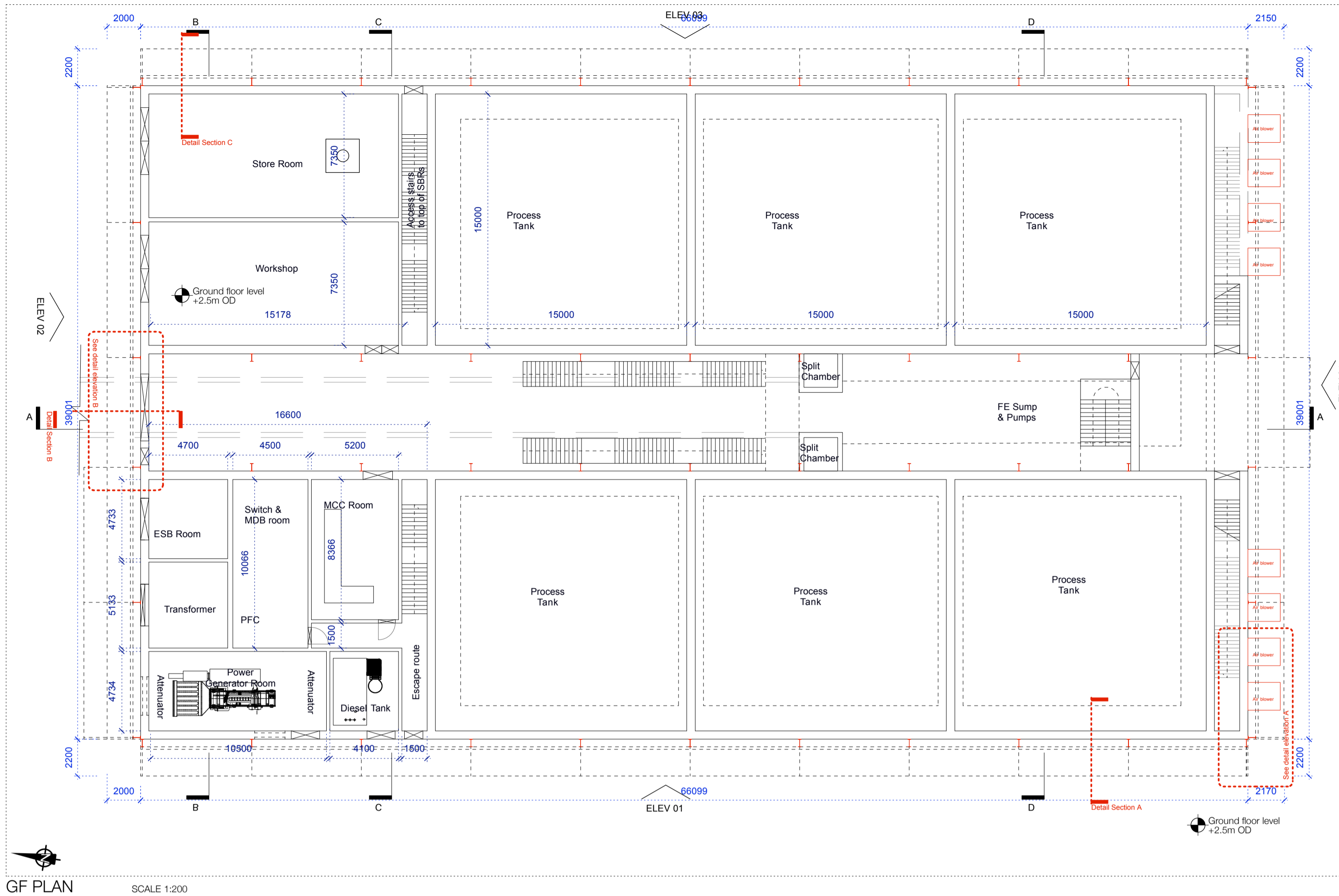
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

www.clancymoore.com . info@clancymoore.com . +353 1 7093005

66 Meath Street, Dublin 8, D08 DK64

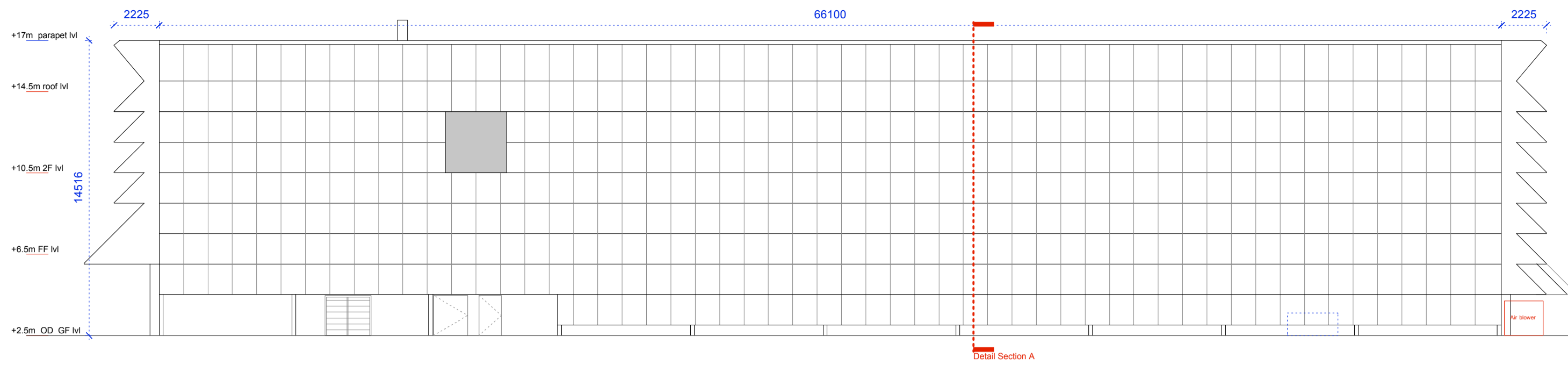
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



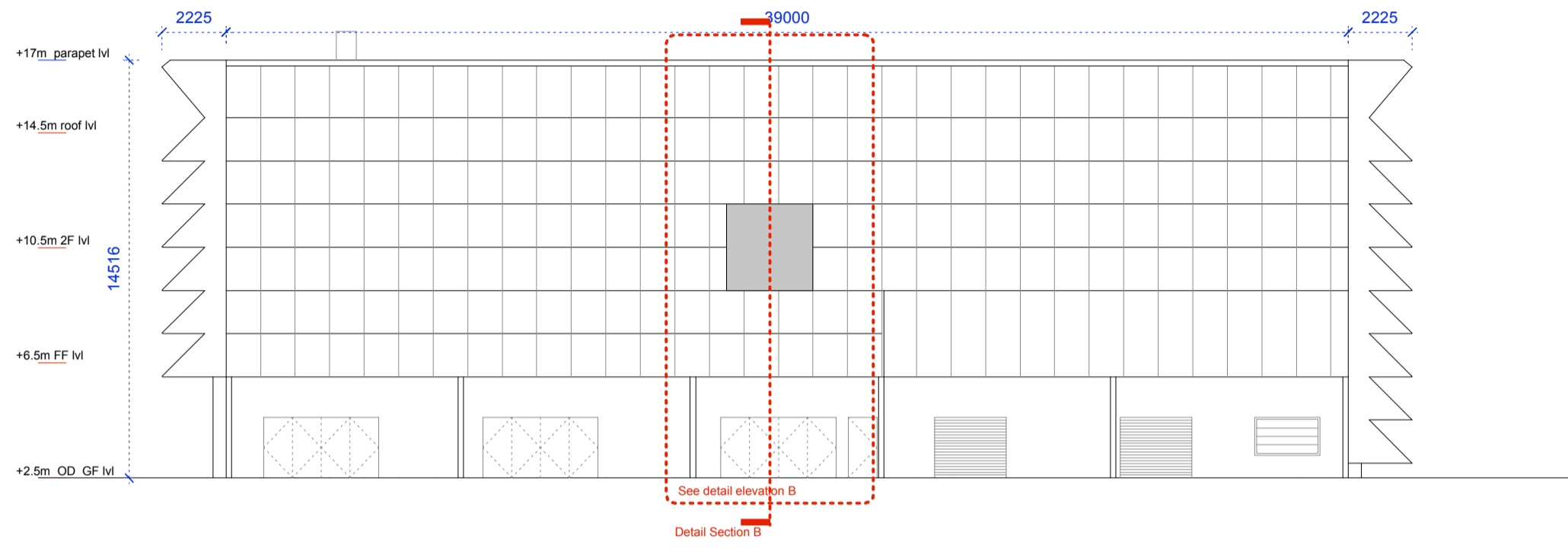
PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 PROCESS Building 247825-00-PRO-P-001
 SEPTEMBER 2018 PLANS 1:200

ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

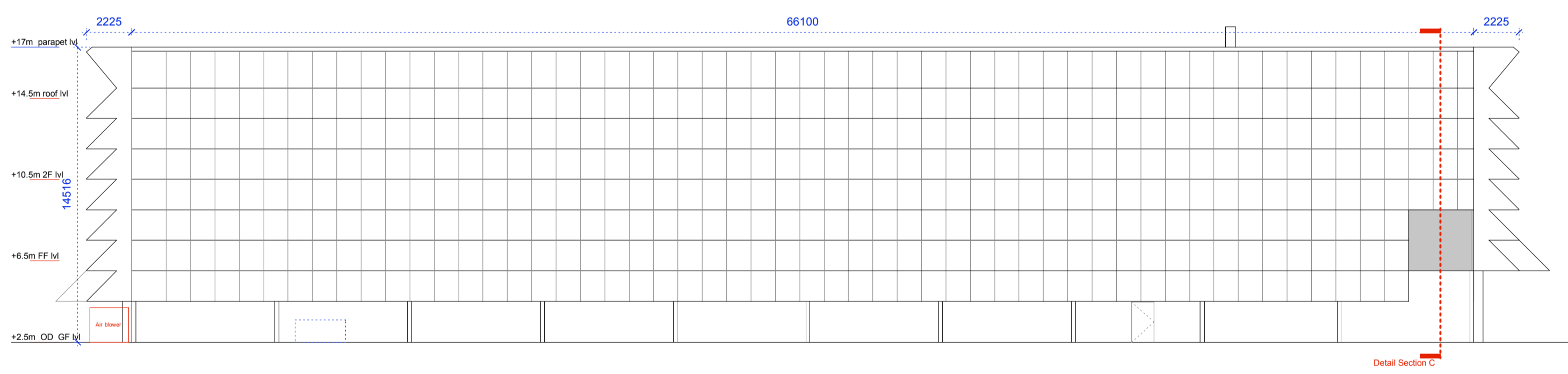
www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



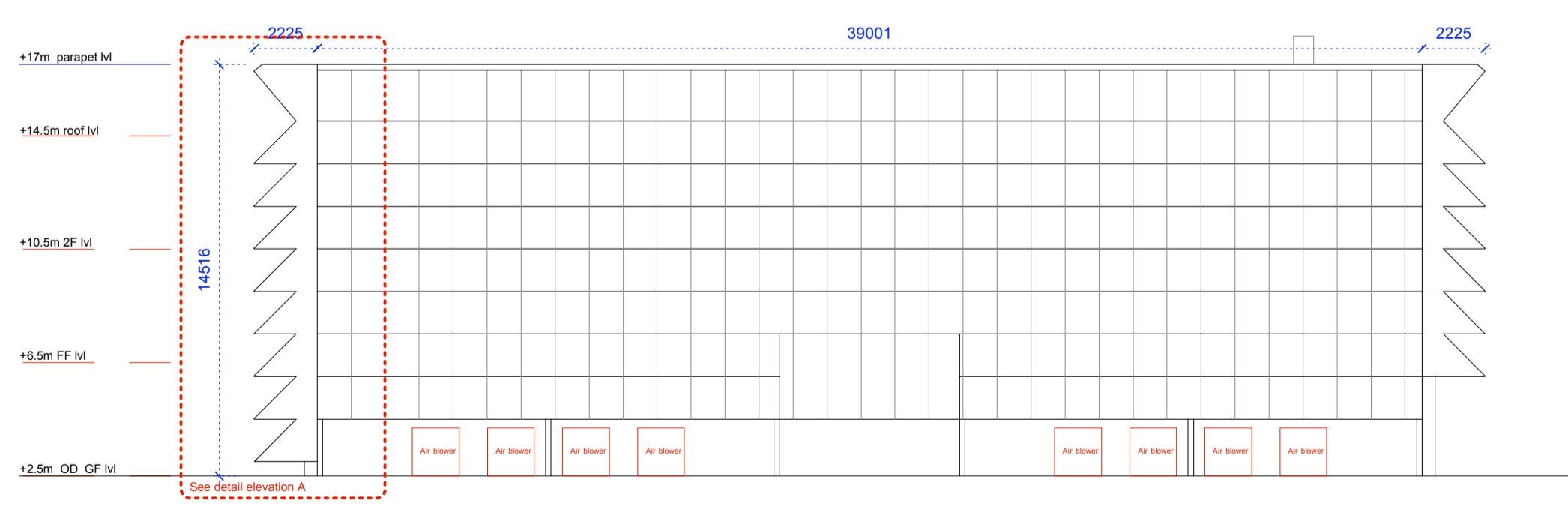
ELEVATION 01 SCALE 1:200



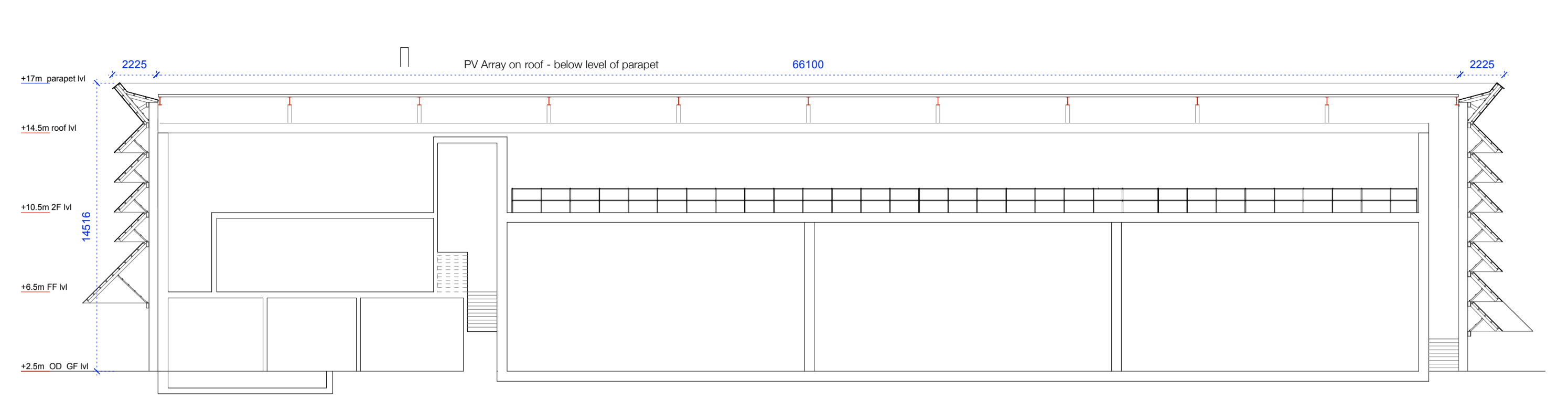
ELEVATION 02 SCALE 1:200



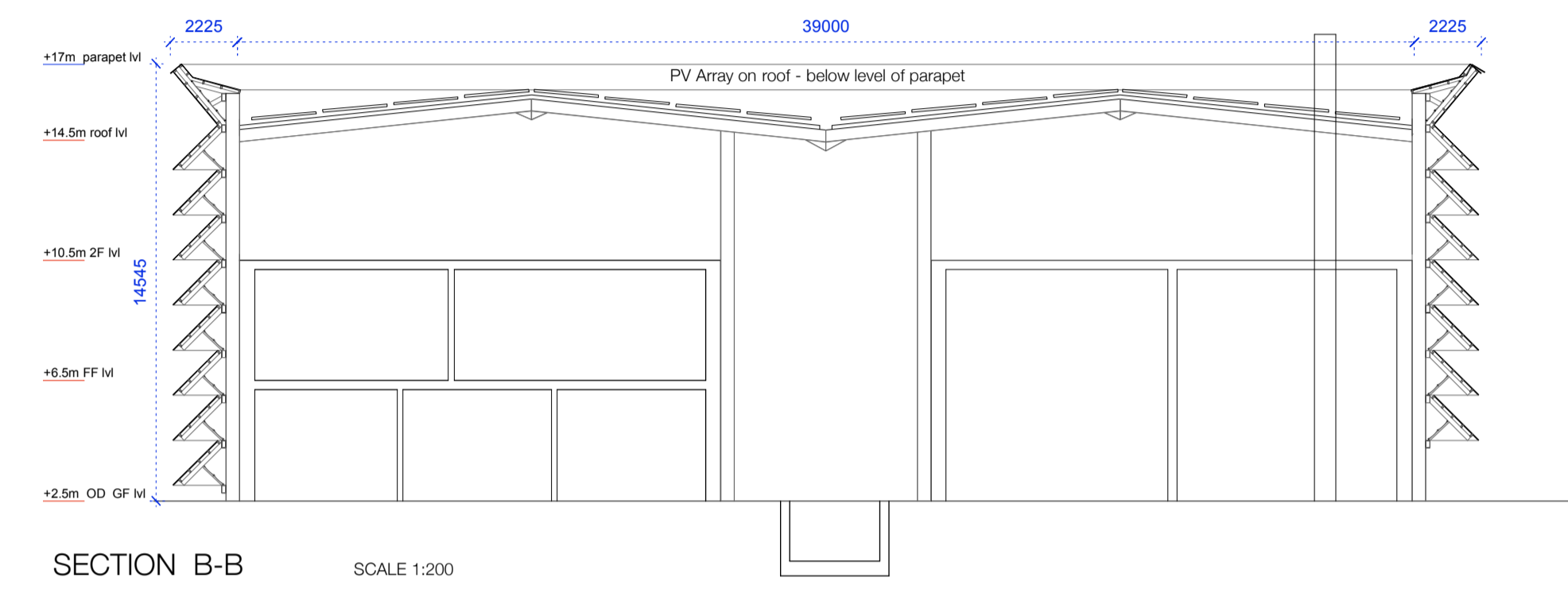
ELEVATION 03 SCALE 1:200



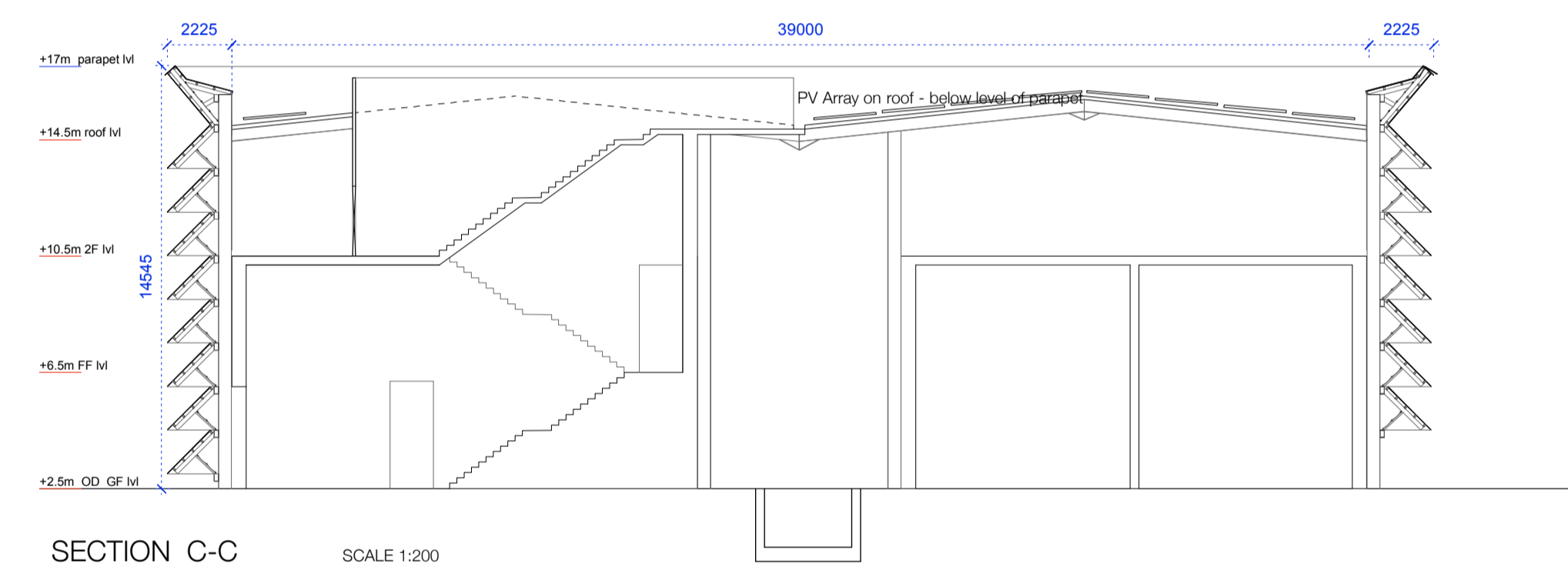
ELEVATION 04 SCALE 1:200



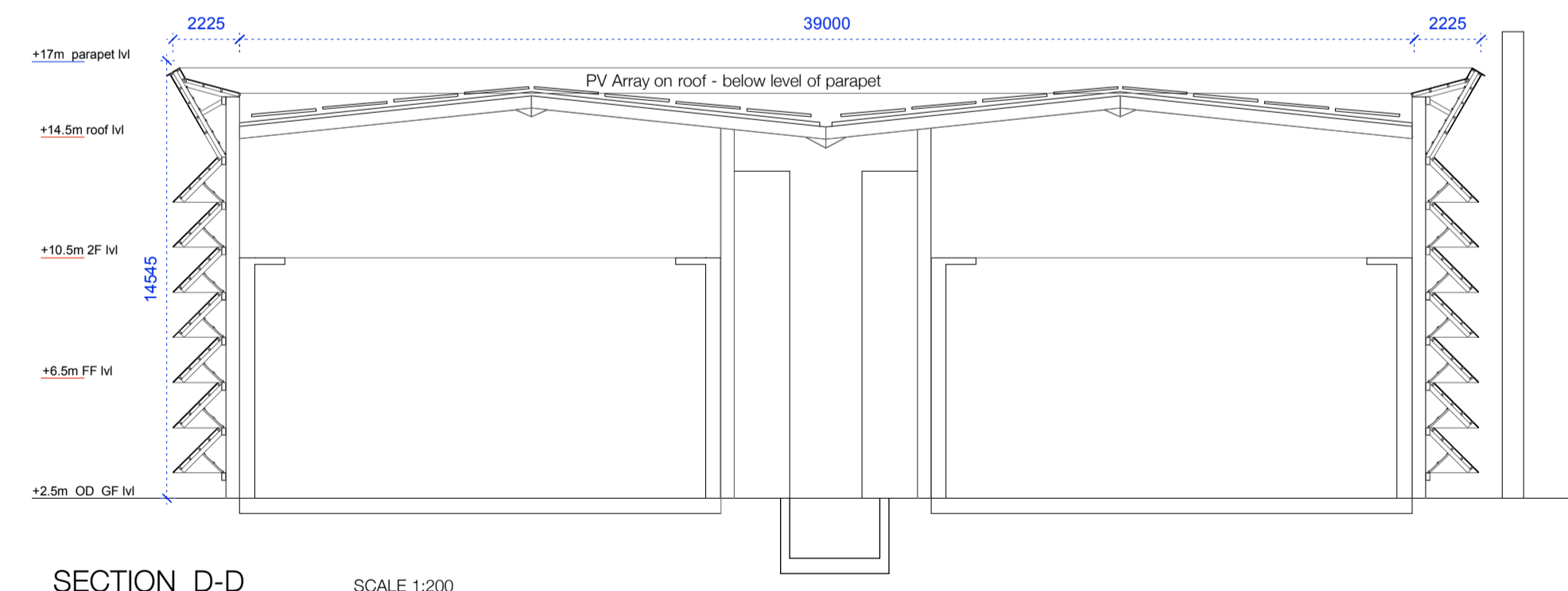
SECTION A-A SCALE 1:200



SECTION B-B SCALE 1:200



SECTION C-C SCALE 1:200



SECTION D-D SCALE 1:200

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

PROCESS Building 247825-00-PRO-P-002

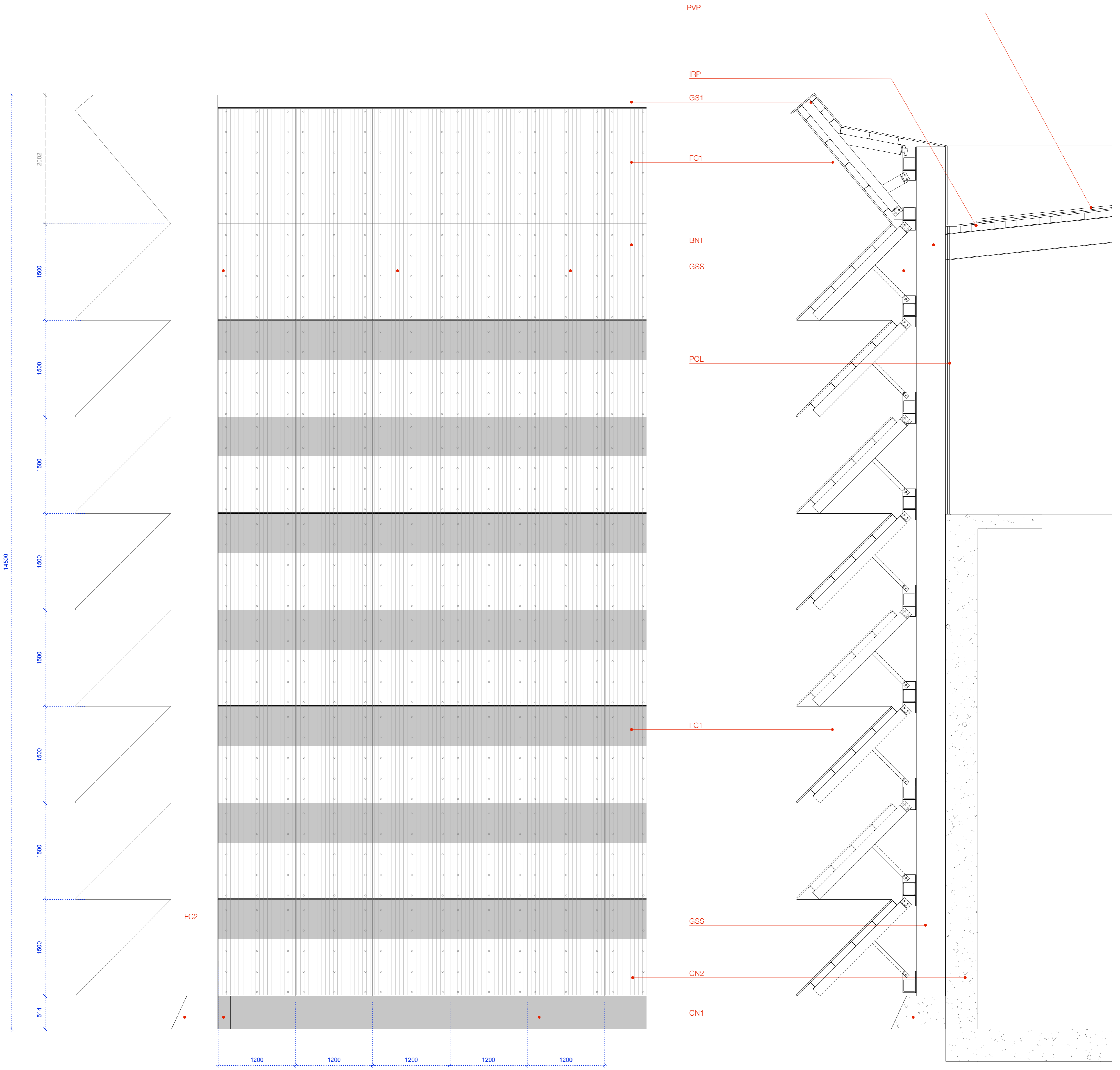
SEPTEMBER 2018 ELEVATIONS/SECTIONS 1:200

ARUP

BYRNE LOOBY

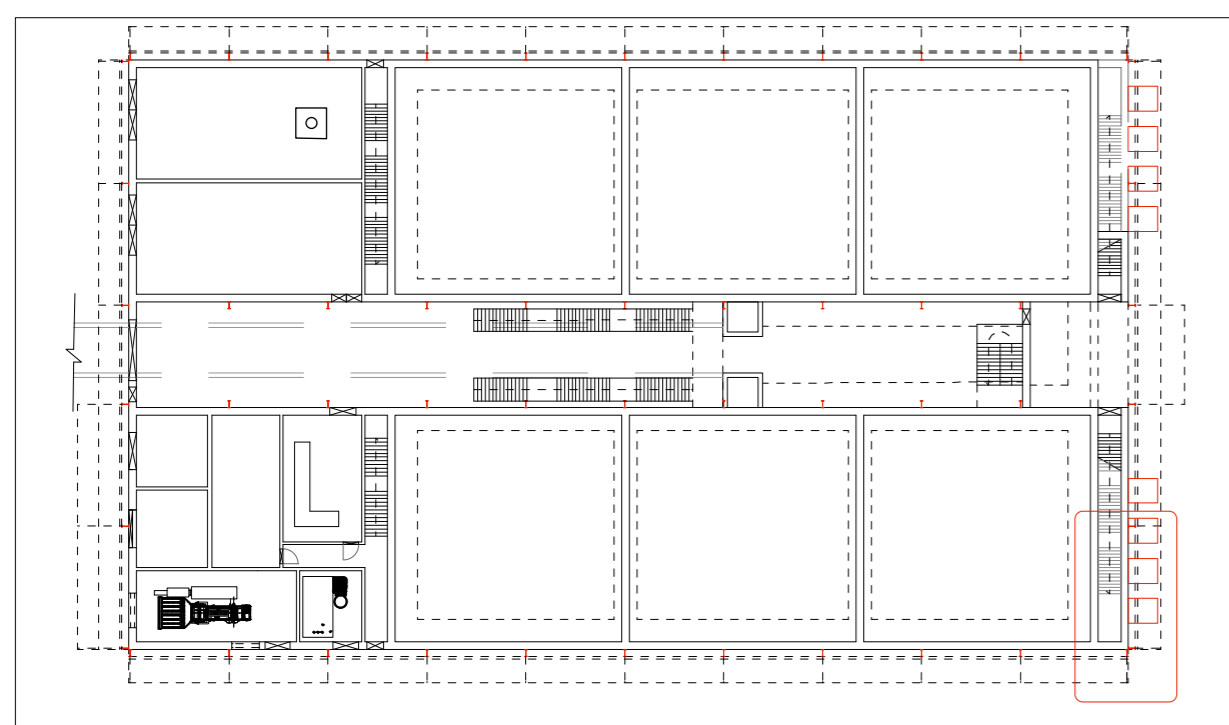
CLANCY MOORE ARCHITECTS

www.clancymoore.com · info@clancymoore.com · +353 1 7093005
66 Meath Street, Dublin 8, D08 DK64
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Detail Elevation A scale 1:33

Detail Section A scale 1:33



Key plan scale 1:500

KEY

- FC1 - Fibre cement Panels, Corrugated
Colour - Green [RGB code: R:110,G:140,B:135]
Profile - Depth of corrugation - 30mm
Distance between pitch of corrugation - 130mm
Note - Fixings to be fitted with neoprene headers, colour to match panel colour, on approval of architect.
- FC2 - Fibre cement Panels, Flat - fitted to close end of facade
Colour - TBC
Profile - TBC
- GSS - Galvanised Structural steel, Various sizes
Note - See drawing for section sizes
- GS1 - Galvanised Steel Flashing
- CN1 - Concrete footings for Steel columns
Finish - Acid washed to expose aggregate
- CN2 - Shear Concrete walls
Finish - Acid washed to expose aggregate to datum of +1500mm
- WL - Blockwork walls infilling steel frame, Concrete kicker to bottom, rising to a datum of +1500mm
Finish Concrete - acid washed to expose aggregate
Finish Blockwork - as supplied
- BNT - Netting to restrict bird access
Material - Hardwearing nylon
Colour - Green
- IRP - 100mm thick insulated roof panel
- POL - Triple wall clear polycarbonate sheeting to seal building
- PVP - Photo voltaic panels on roof

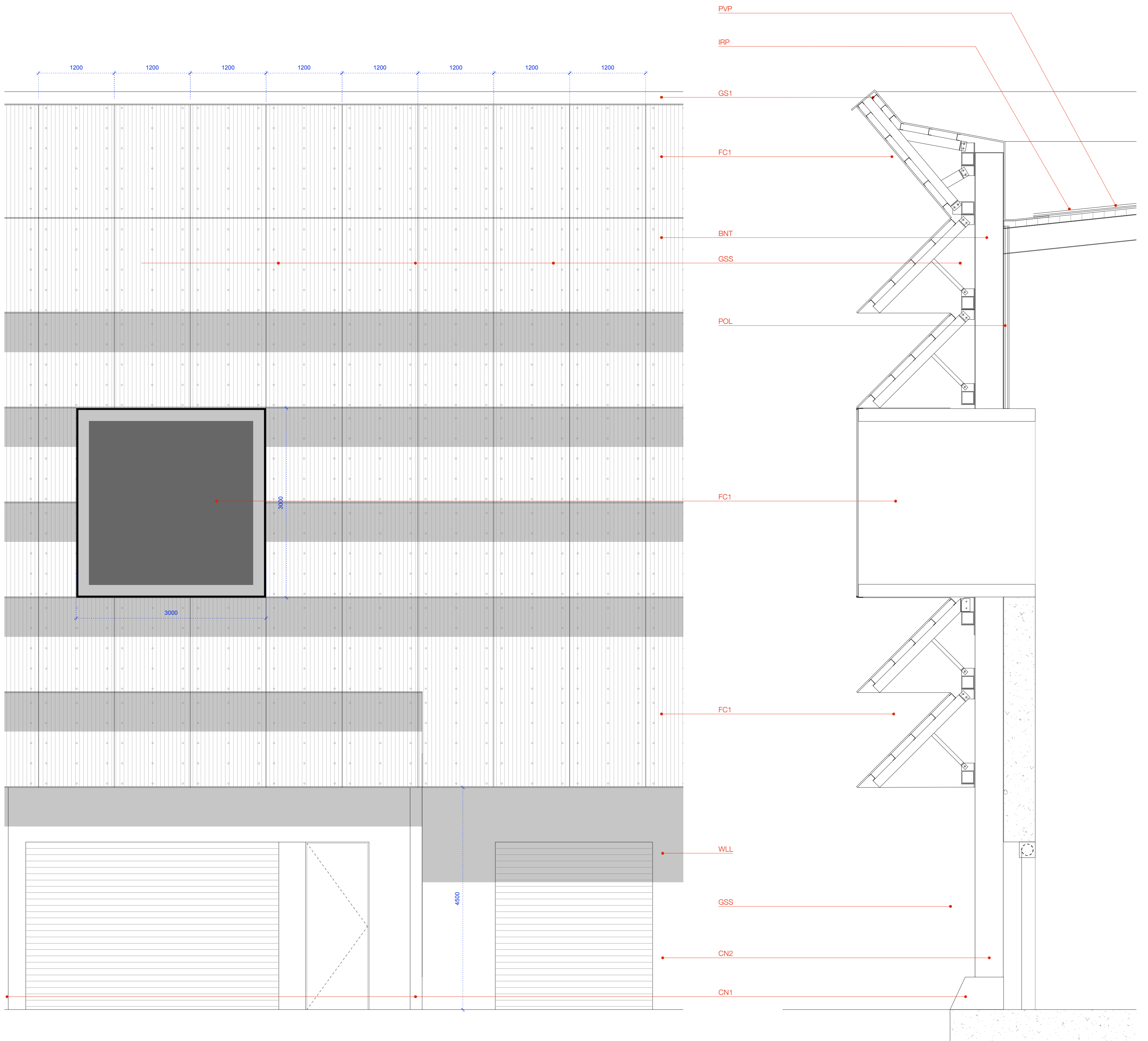
PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 PROCESS Building 247825-00-PRO-D-001
 SEPTEMBER 2018

ARUP

BYRNE LOOBY

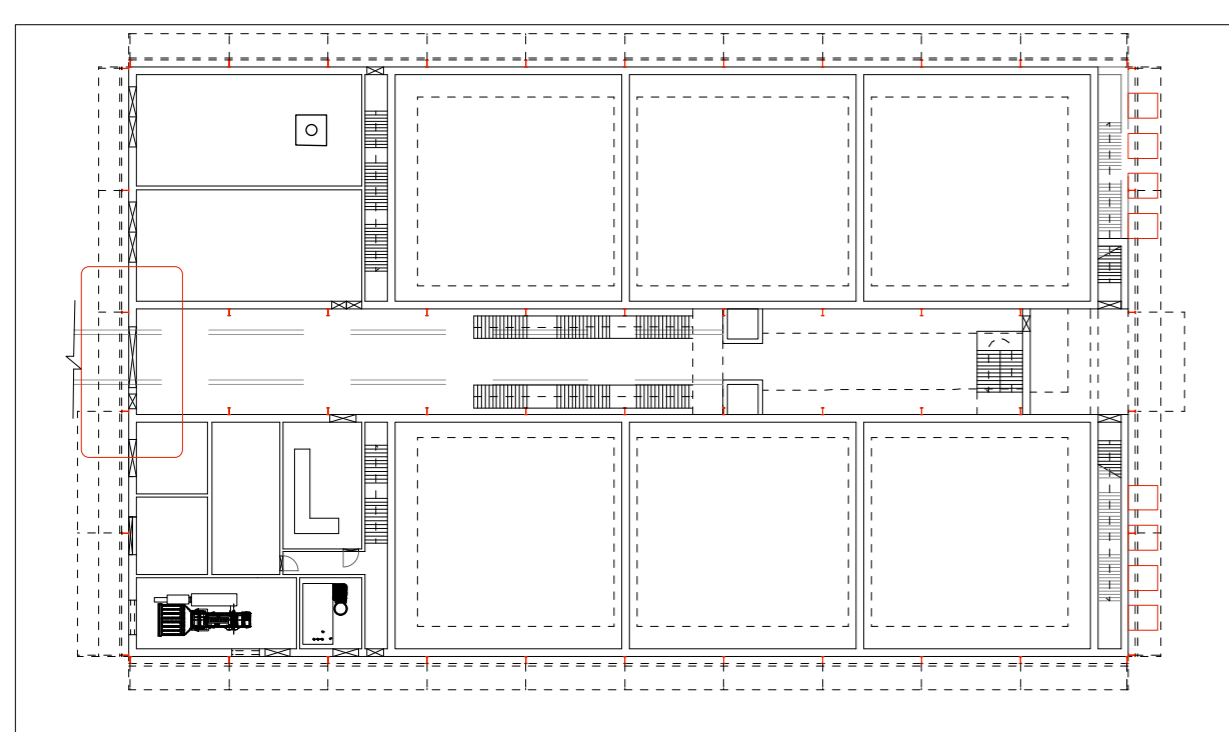
CLANCY MOORE ARCHITECTS

www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Detail Elevation B scale 1:33

Detail Section B scale 1:33



Key plan scale 1:500

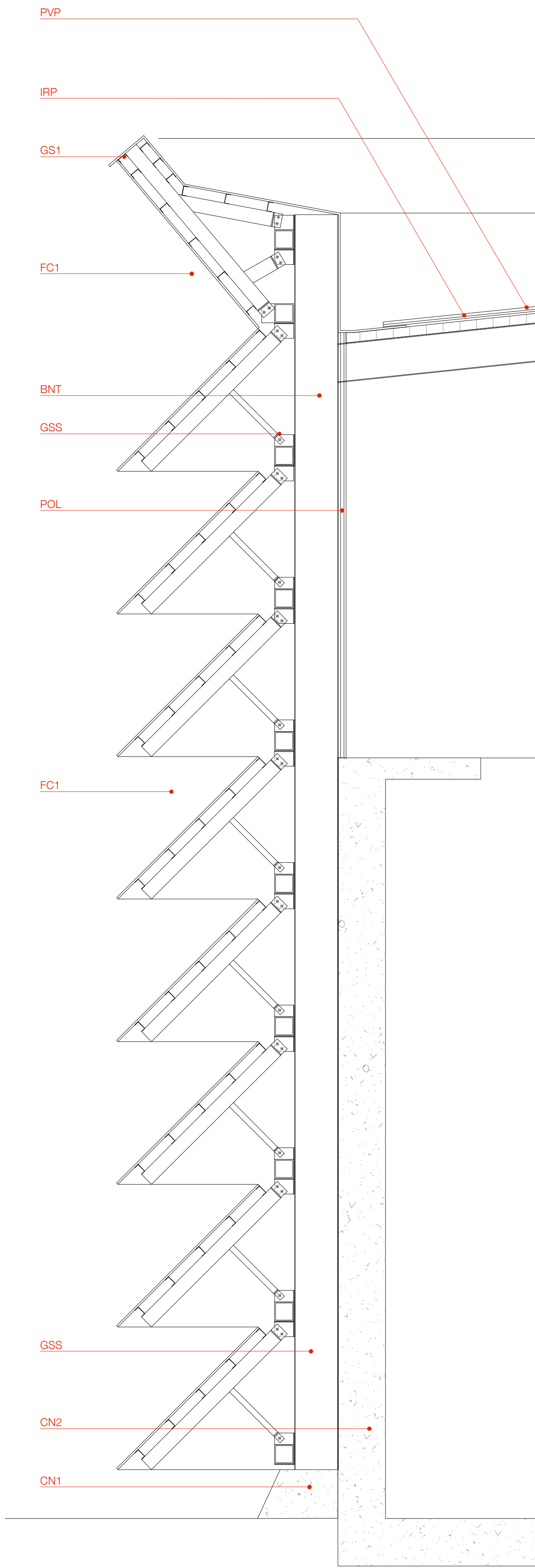
KEY

- FC1 - Fibre cement Panels, Corrugated
Colour - Green [RGB code: R-110,G-140,B-135]
Profile - Depth of corrugation - 36mm
Distance between pitch of corrugation - 130mm
Note - Fixings to be fitted with neoprene headers, colour to match panel colour, on approval of architect.
- GSS - Galvanised Structural steel, Various sizes
Note - See drawing for section sizes
- GS1 - Galvanised Steel Flashing
- WD - Window box flush with leading edge of facade louvre.
Projecting box in concrete - glass clamped to concrete with galvanised angles.
- CN1 - Concrete footings for Steel columns
Finish - Acid washed to expose aggregate
- CN2 - Shear Concrete walls
Finish - Acid washed to expose aggregate to datum of +1500mm
- WLL - Blockwork walls infilling steel frame, Concrete kicker to bottom, rising to a datum of +1500mm
Finish Concrete - acid washed to expose aggregate
Finish Blockwork - as supplied
- BNT - Netting to restrict bird access
Material - Hardwearing nylon
Colour - Green
- IRP - 100mm thick insulated roof panel
- POL - Triple wall clear polycarbonate sheeting to seal building
- PVP - Photo voltaic panels on roof

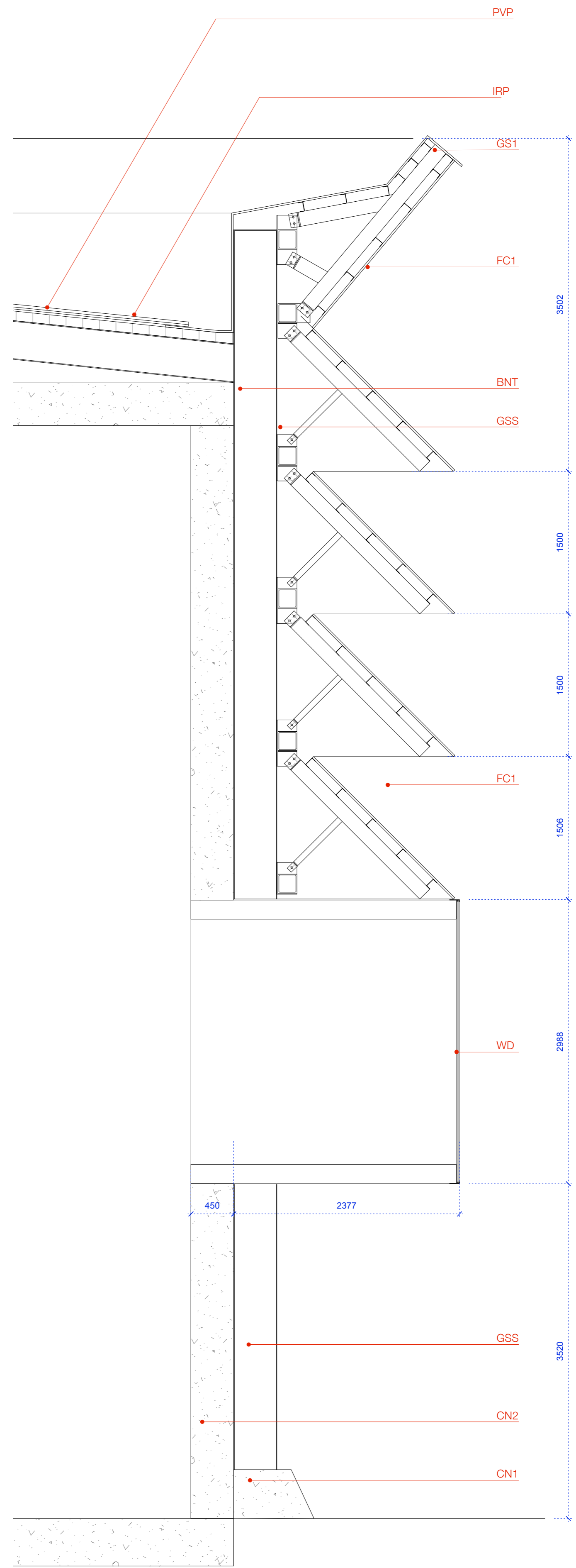
PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 PROCESS Building 247825-00-PRO-D-002
 SEPTEMBER 2018

ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

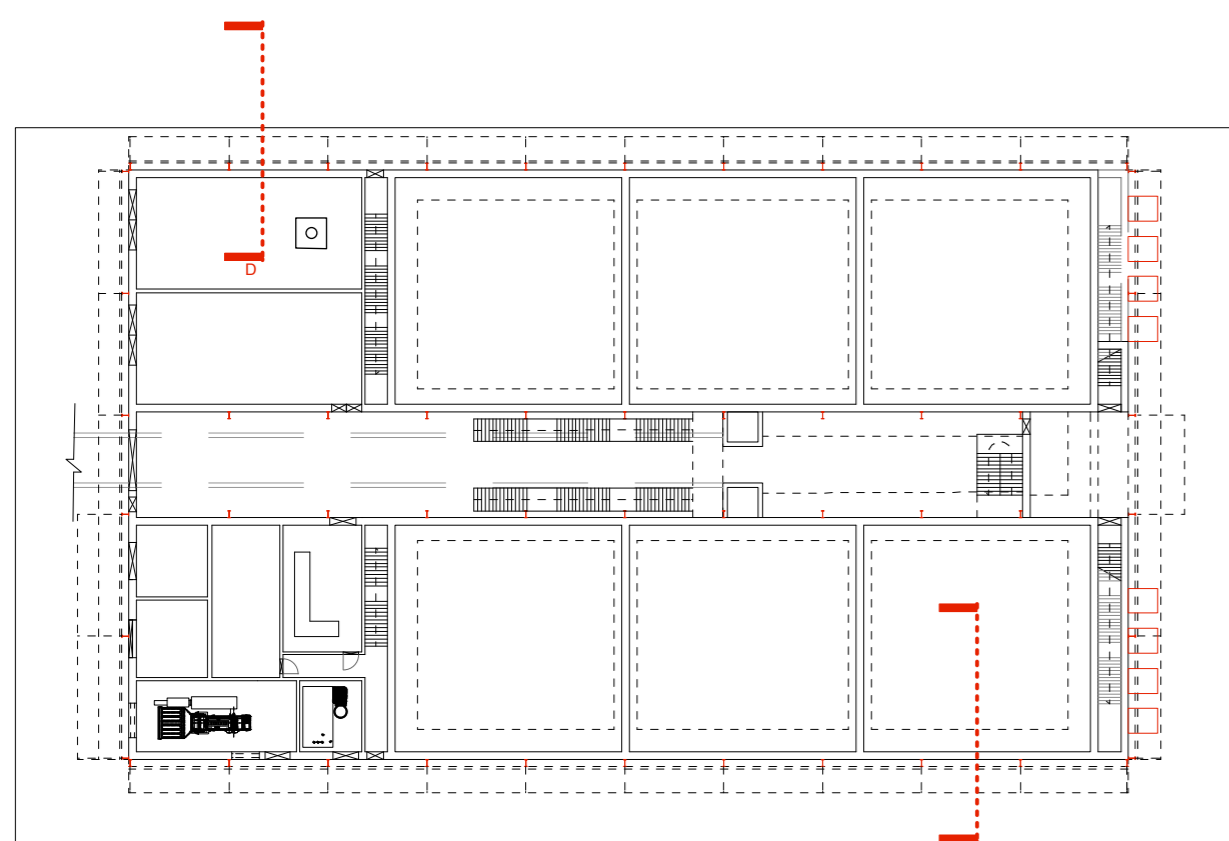
www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



Detail Section C scale 1:33



Detail Section D scale 1:33



Key plan scale 1:500

KEY

- FC1 - Fibre cement Panels, Corrugated
Colour - Green [RGB code: R-110,G-140,B-135]
Profile - Depth of corrugation - 39mm
Distance between pitch of corrugation - 130mm
Note - Fixings to be fitted with neoprene headers, colour to match panel colour, on approval of architect.
- GSS - Galvanised Structural steel. Various sizes
Note - See drawing for section sizes
- GS1 - Galvanised Steel Flashing
- WD - Window box flush with leading edge of facade louvre.
Projecting box in concrete - glass clamped to concrete with galvanised angles.
- CN1 - Concrete footings for Steel columns
Finish - Acid washed to expose aggregate
- CN2 - Shear Concrete walls
Finish - Acid washed to expose aggregate to datum of +1500mm
- WLL - Blockwork walls infilling steel frame, Concrete kicker to bottom, rising to a datum of +1500mm
Finish Concrete - acid washed to expose aggregate
Finish Blockwork - as supplied
- BNT - Netting to restrict bird access
Material - Hardwearing nylon
Colour - Green
- IRP - 100mm thick insulated roof panel
- POL - Triple wall clear polycarbonate sheeting to seal building
- PVP - Photo voltaic panels on roof

PLANNING APPLICATION

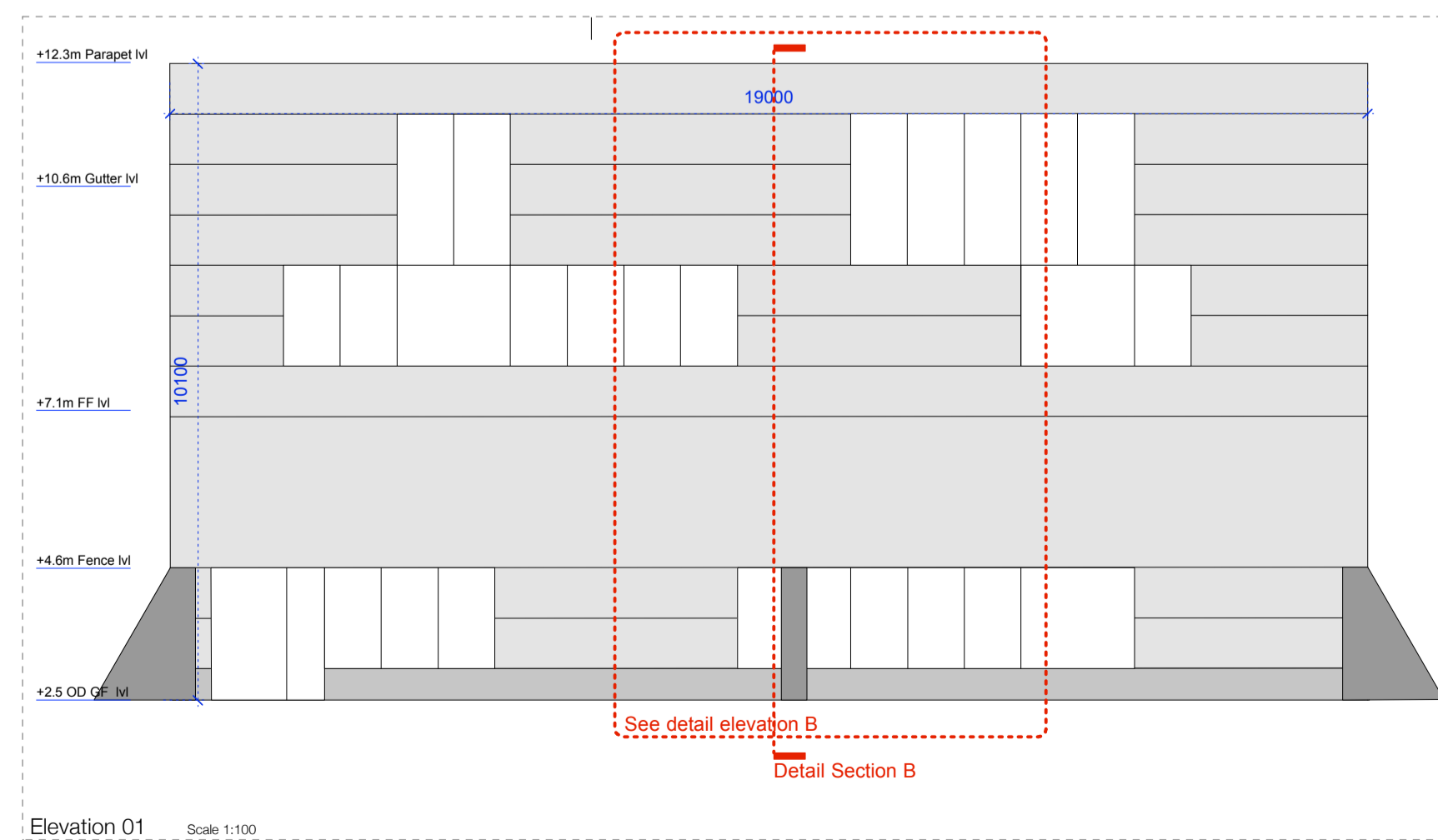
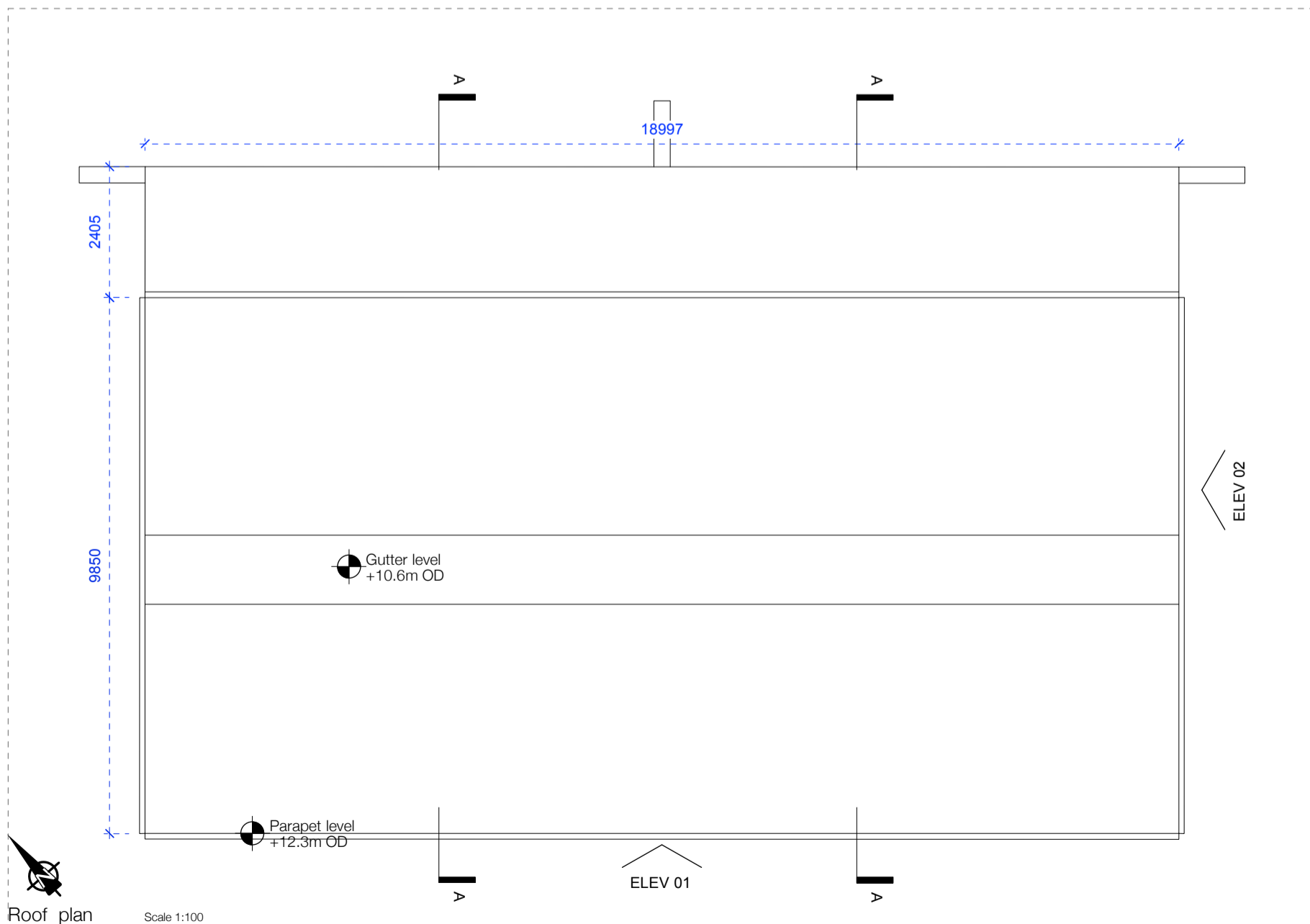
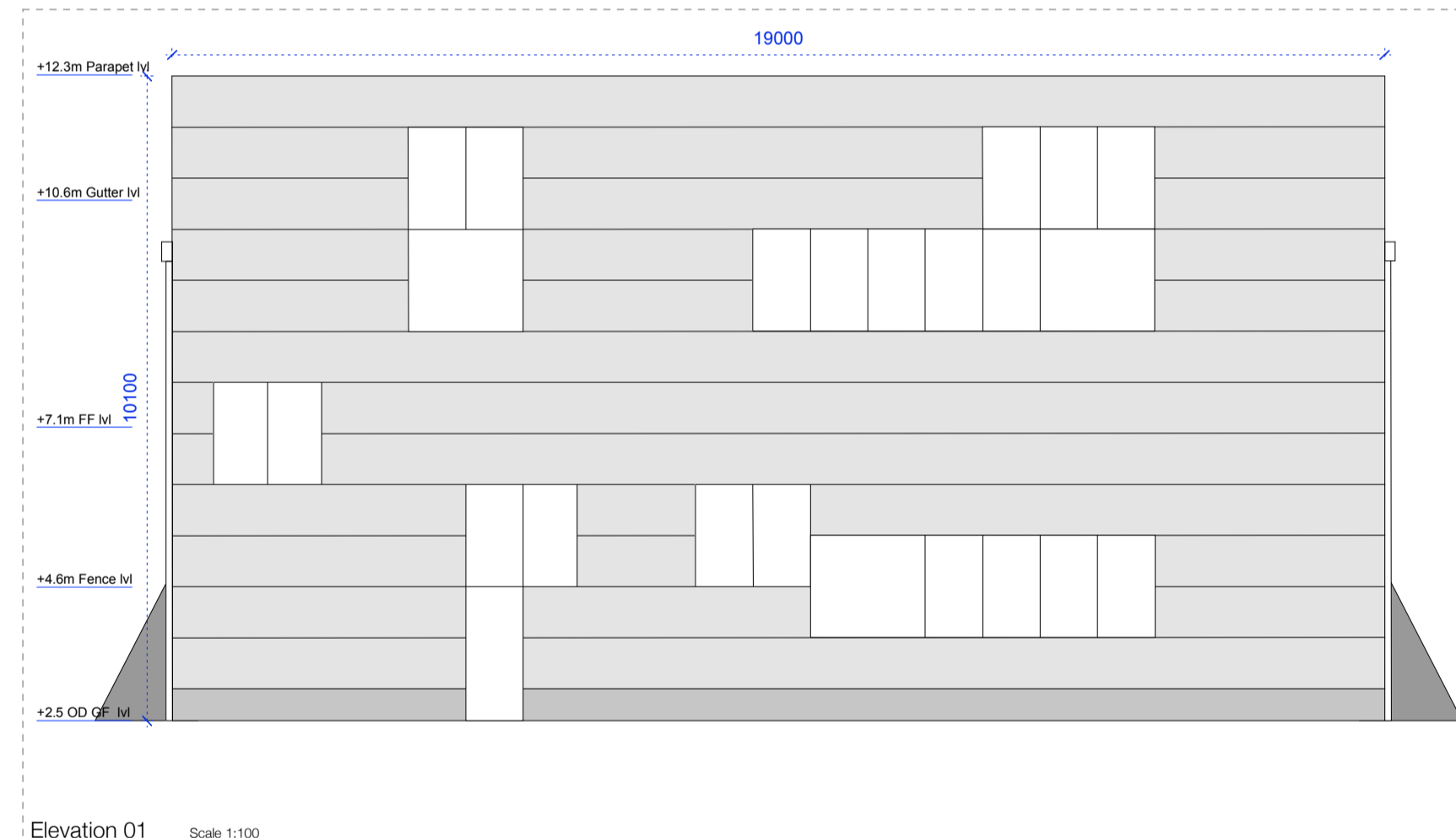
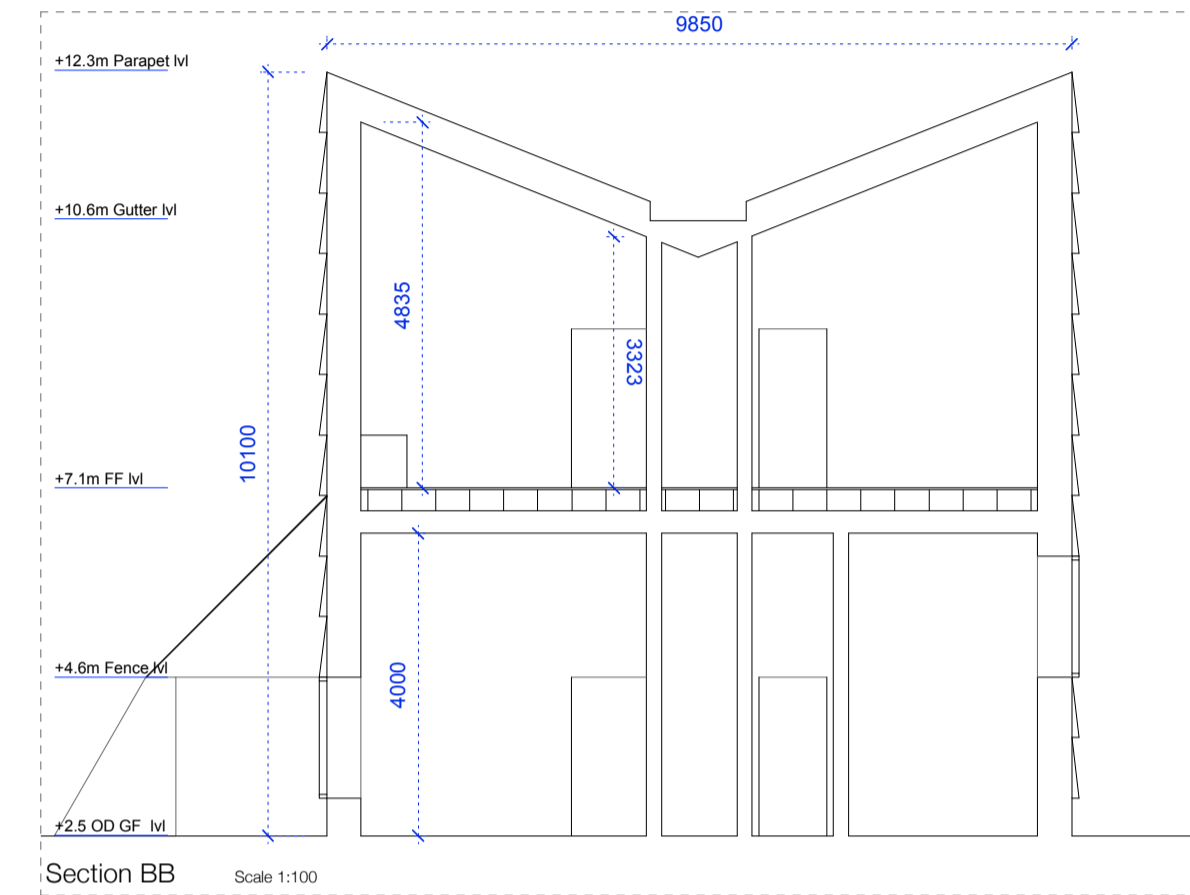
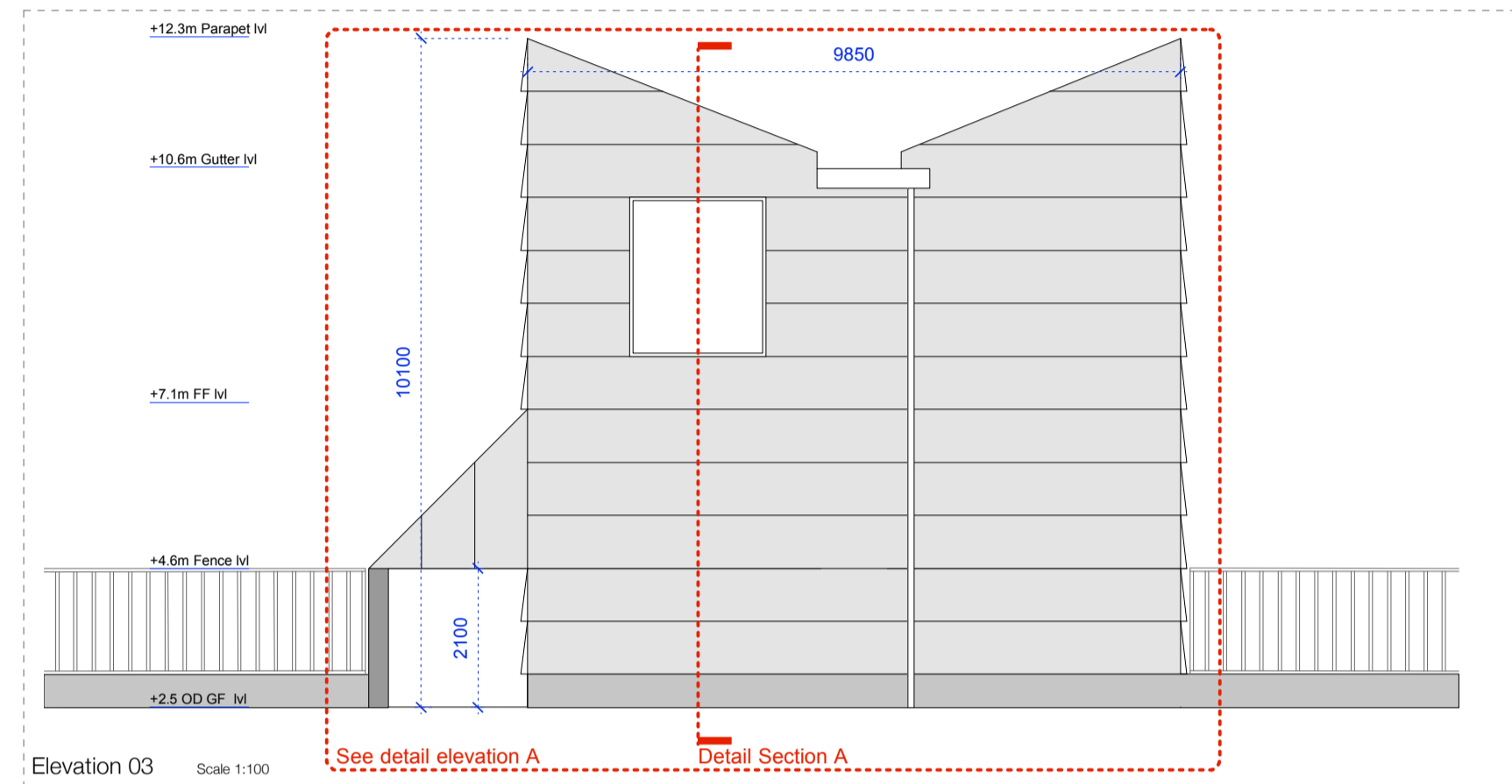
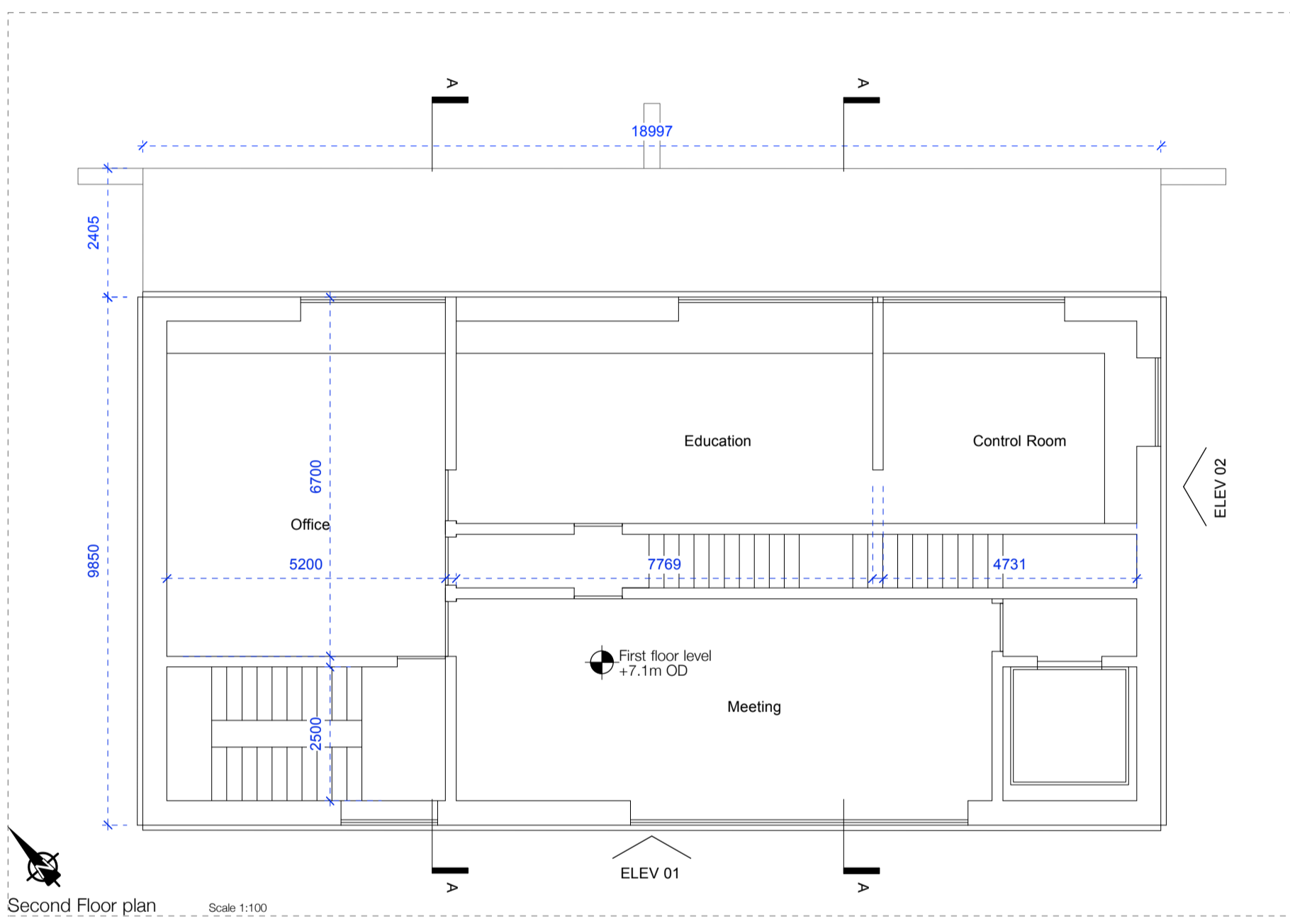
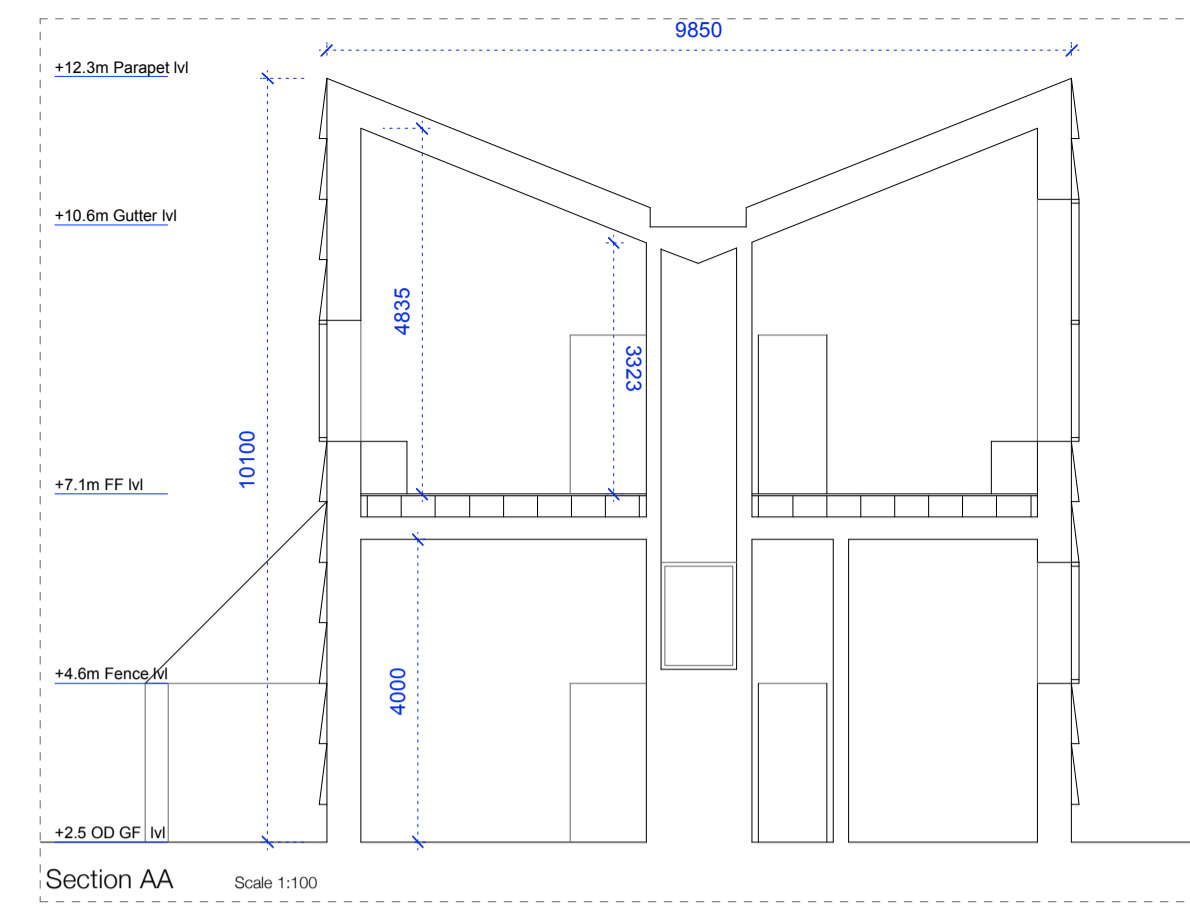
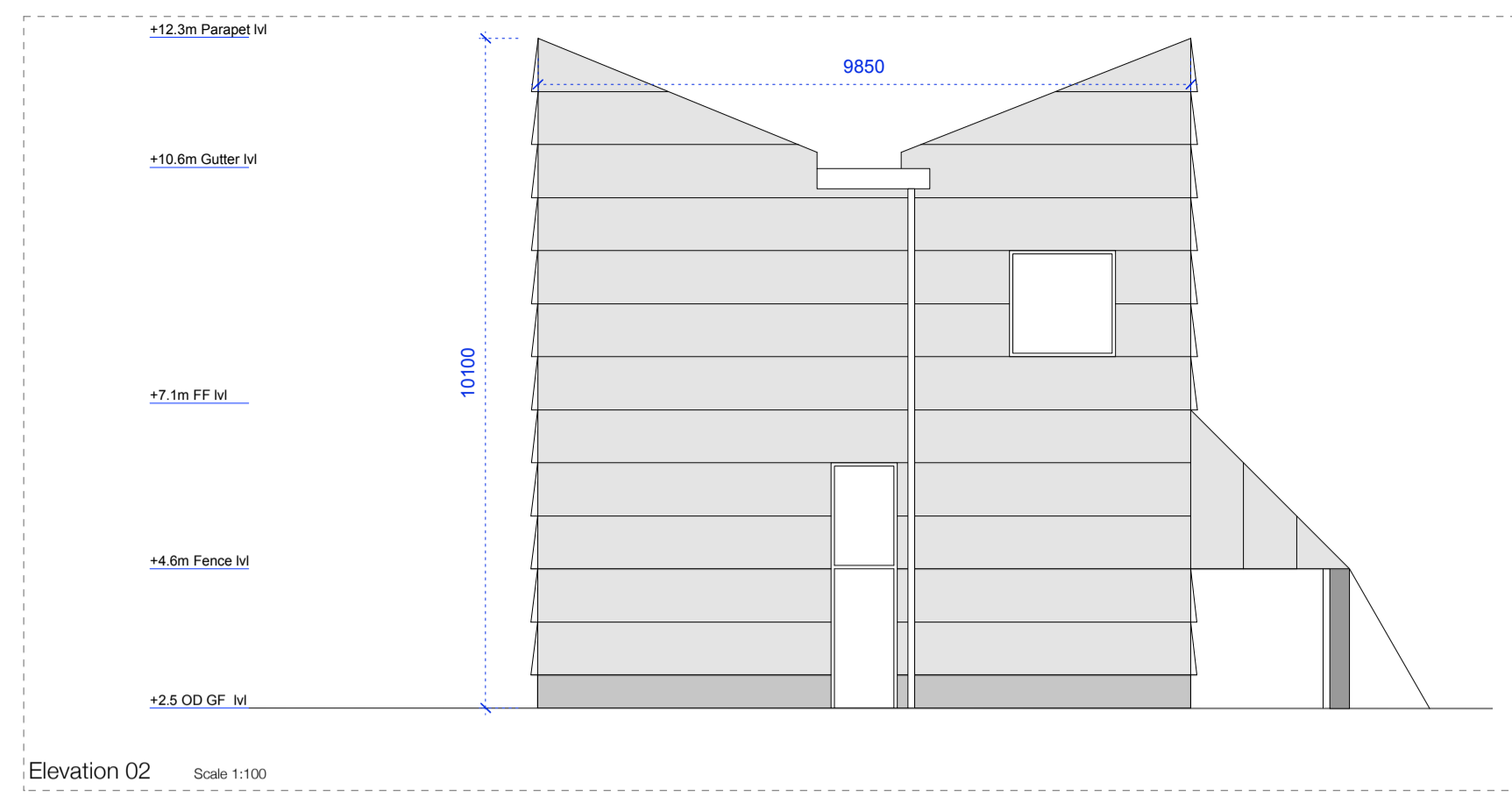
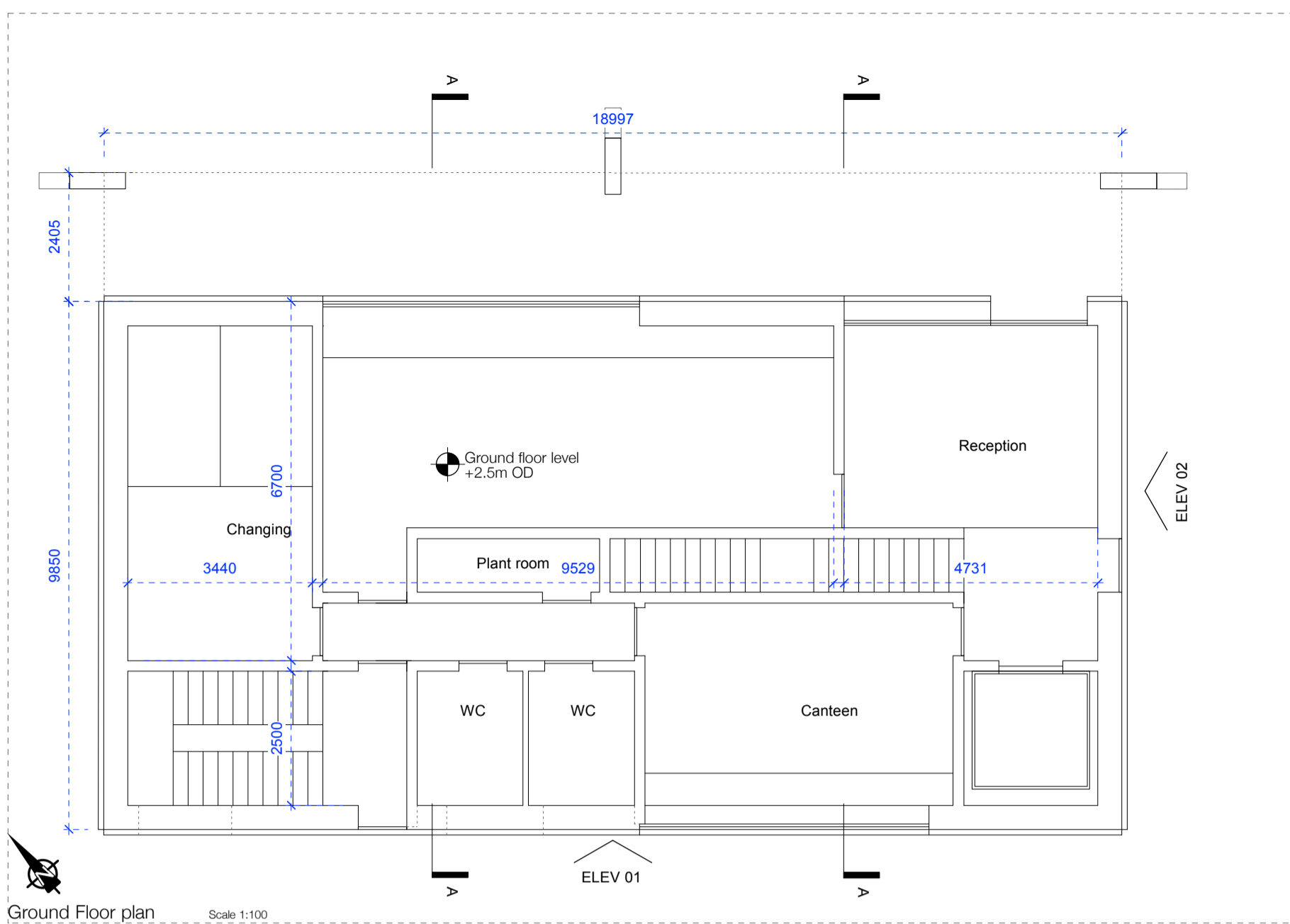
ARKLOW Wastewater Treatment Plant Project
PROCESS Building 247825-00-PRO-D-003
SEPTEMBER 2018

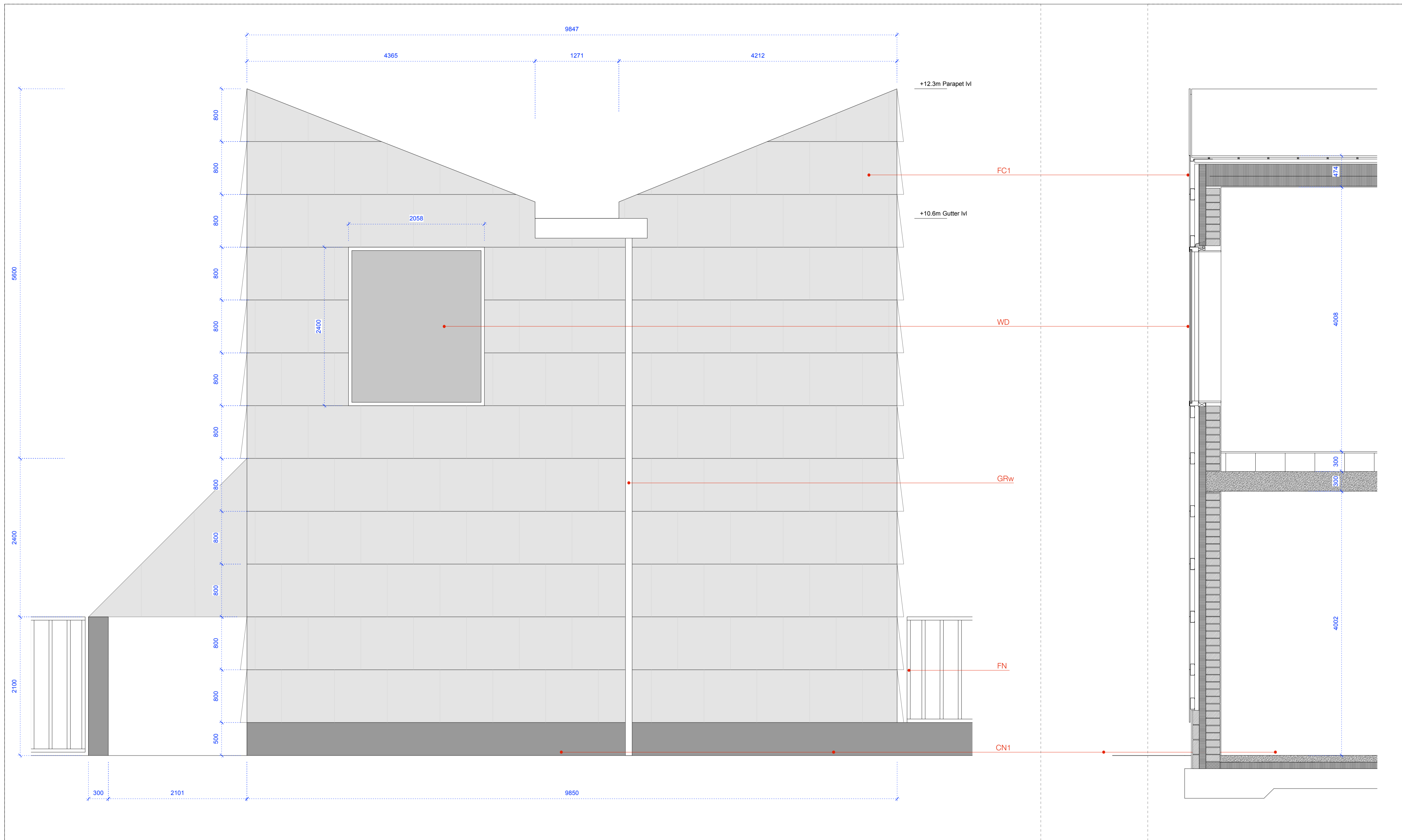
ARUP

BYRNE LOOBY

CLANCY MOORE ARCHITECTS

www.clancymoore.com . info@clancymoore.com . +353 1 7093005
66 Meath Street, Dublin 8, D08 DK64
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



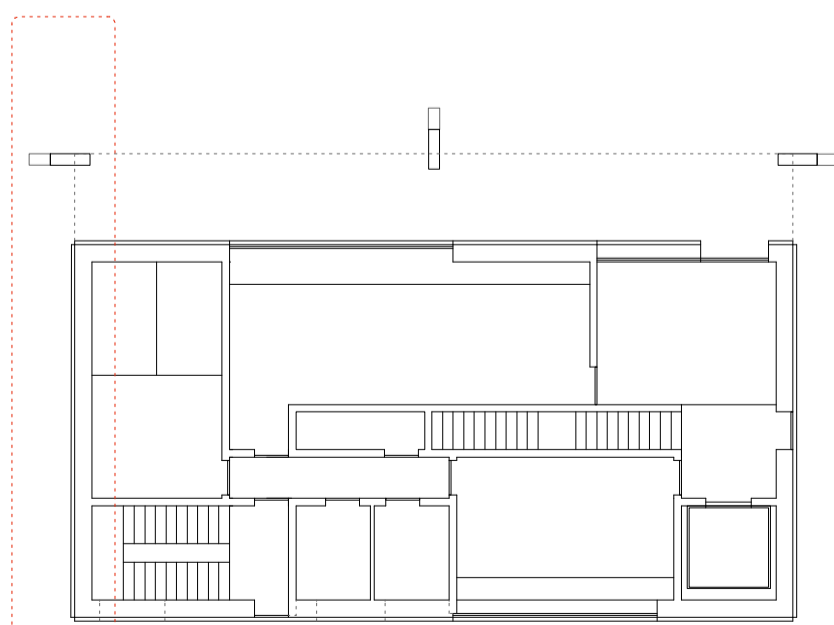


Detail Elevation A Scale 1:33

Detail Section A Scale 1:33

KEY

- FC1 - Fibre cement Panels, Flat
Colour - TBC
Profile - TBC
Note - Fixings to be fitted with neoprene headers, colour to match panel colour, on approval of architect.
- GSS - Galvanised Structural steel, Various sizes
Note - See drawing for section sizes
- GSR - Galvanised Steel Rainwater products
- CN1 - Concrete
Finish - Acid washed to expose aggregate
- CN2 - Shear Concrete walls
Finish - Acid washed to expose aggregate to datum of +150mm
- WD - Window box flush with leading edge of facade louvre.
Double Glazed Unit within mill
Finished Aluminum frame.
- WLL - Blockwork walls, Concrete kicker to bottom, rising to a datum of +500mm
Finish Concrete - acid washed to expose aggregate
Finish Blockwork - as supplied
- ICP - Insulated carrier panel to carry facade support



KEY plan 1:200

PLANNING APPLICATION

ARKLOW Waste Water Treatment Plant Project

Administration Building - Facade Details

AUGUST 2018

247825-00-ADM-P-002

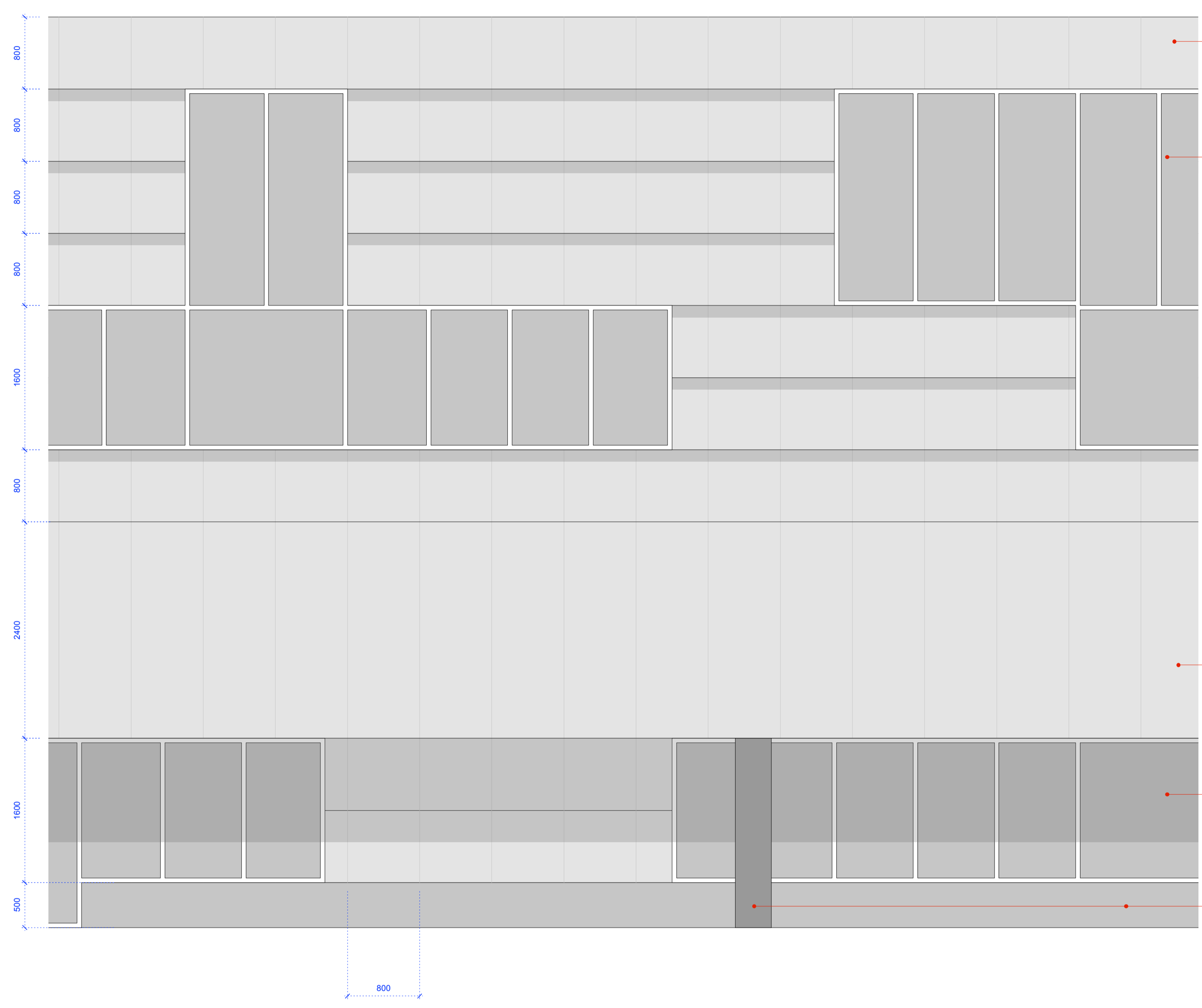
ARUP

Scale 1:33

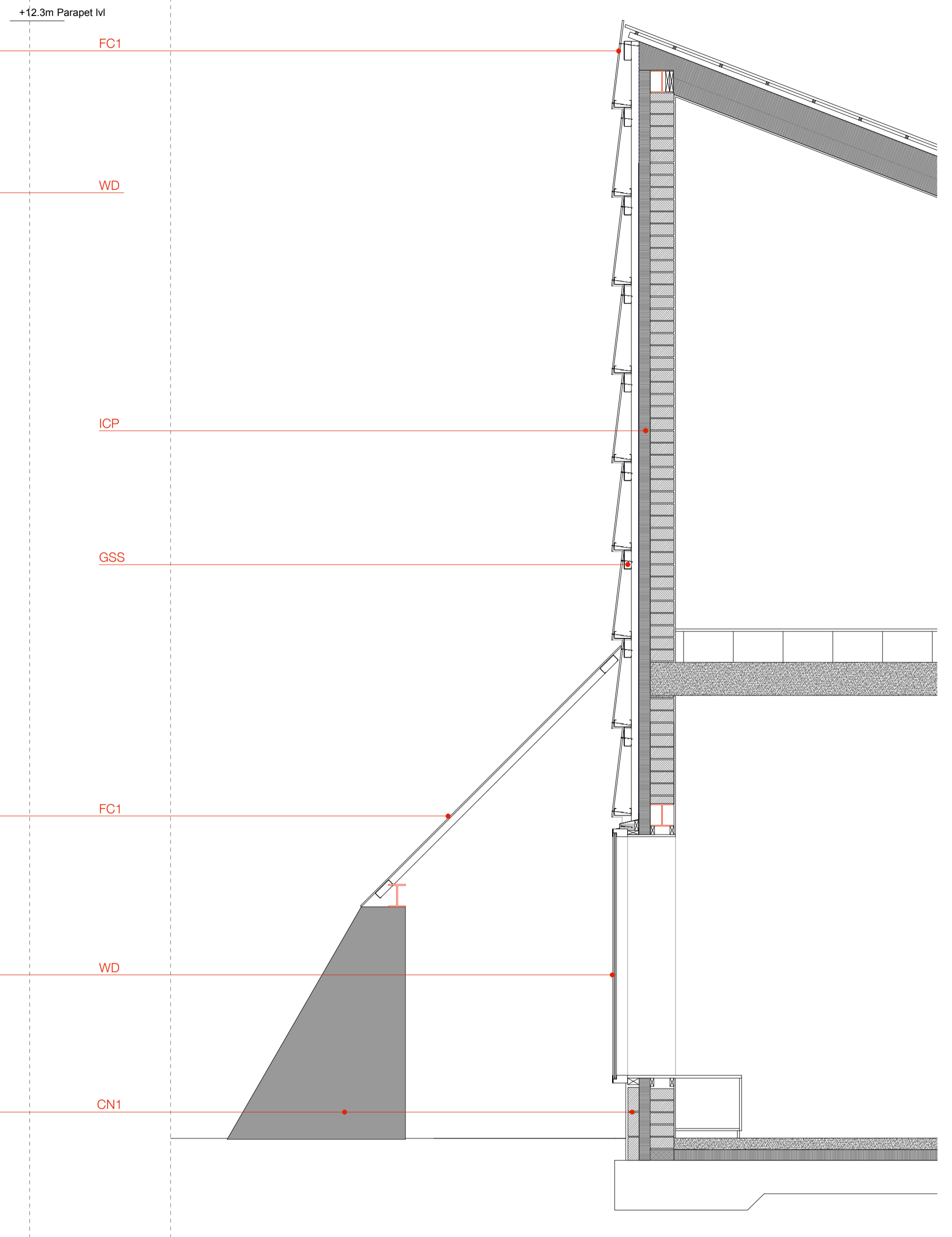
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

www.clancymoore.com . info@clancymoore.com . +353 1 7093005
66 Meath Street, Dublin 8, D08 DK64
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.

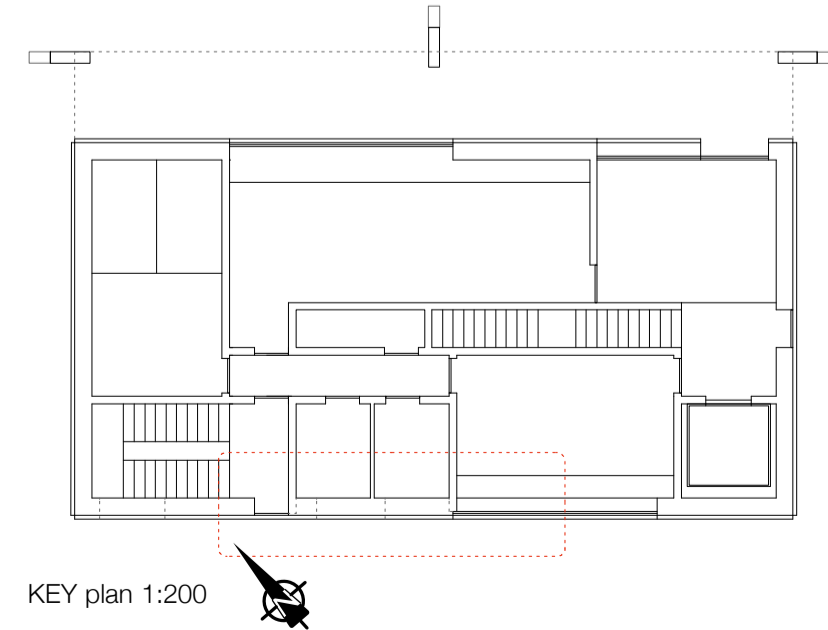


Detail Elevation B Scale 1:33



Detail Section B Scale 1:33

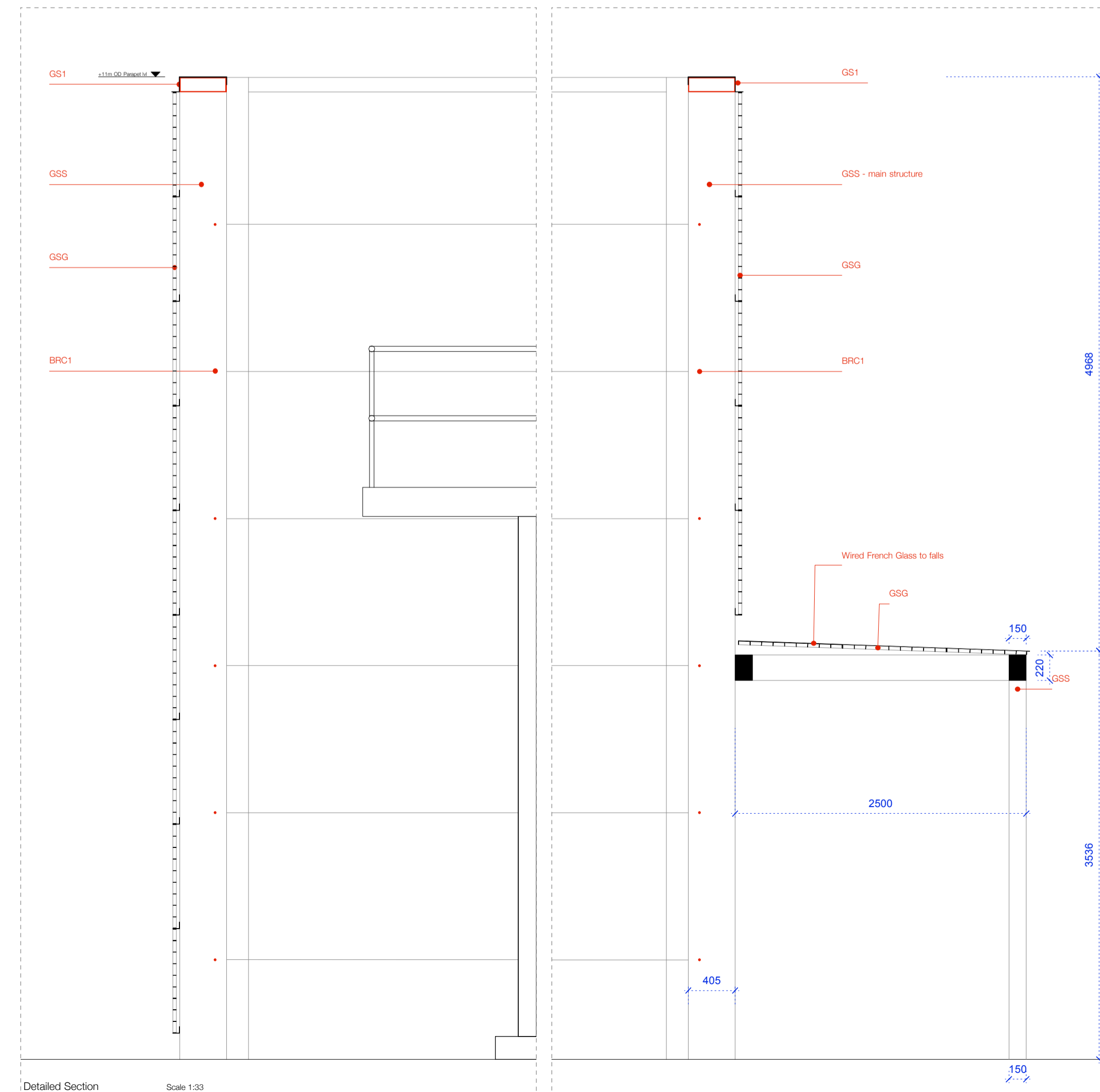
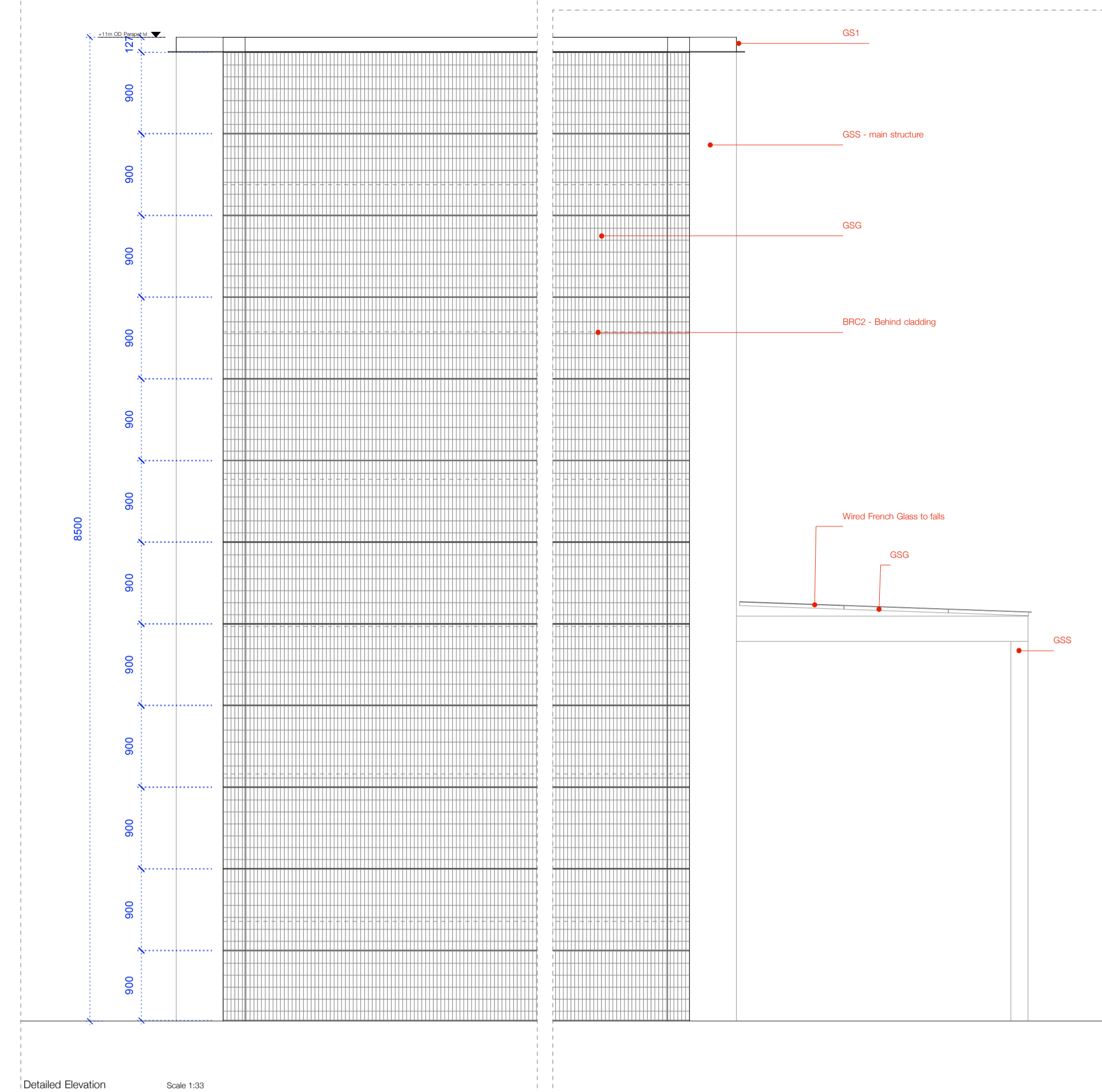
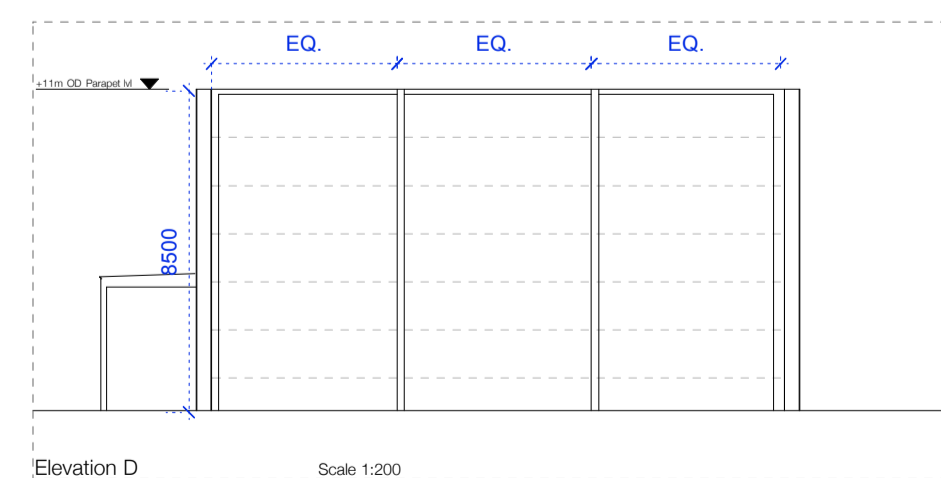
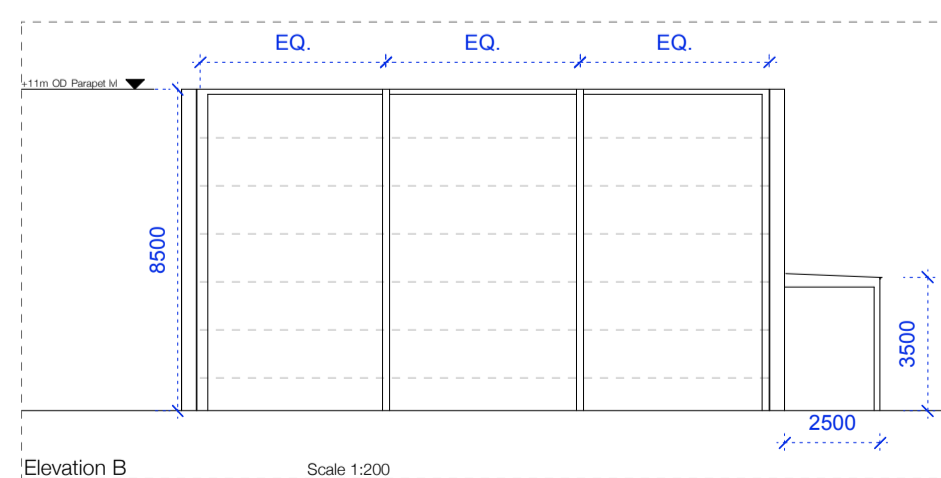
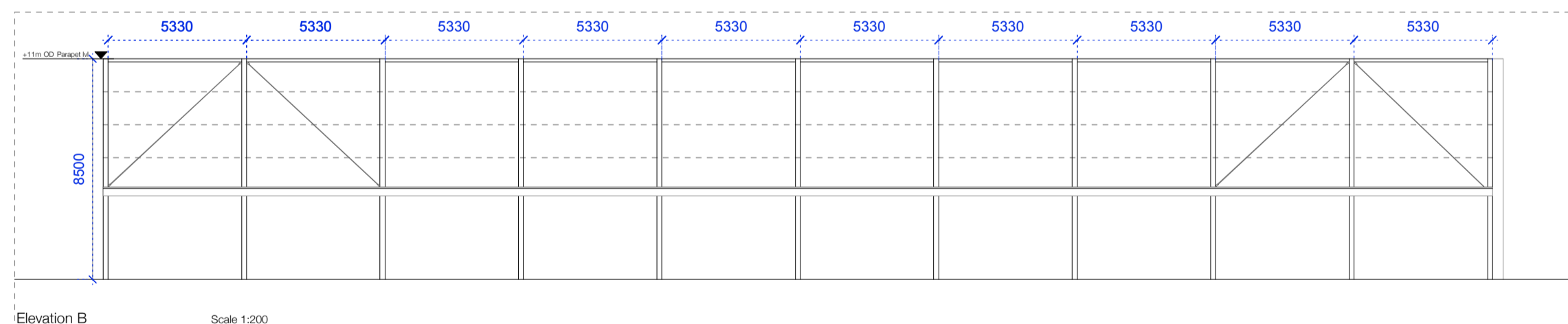
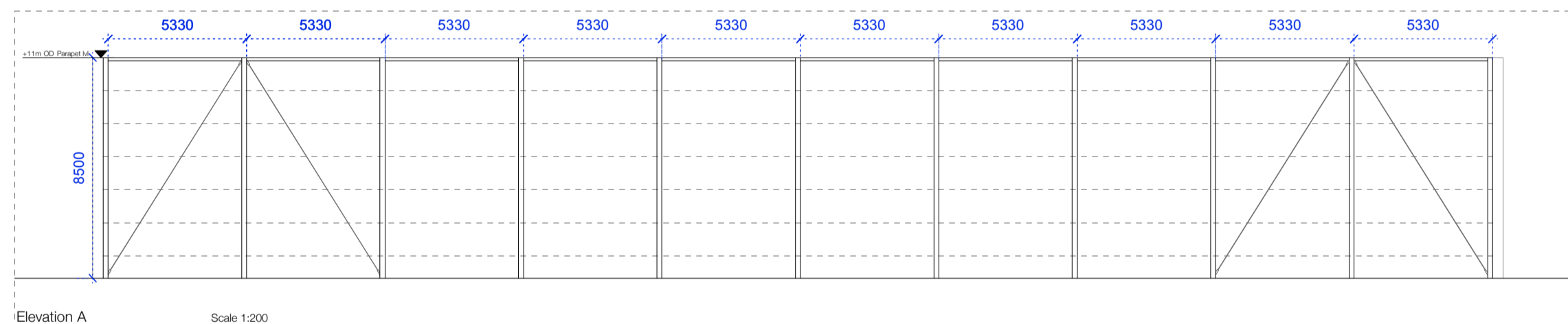
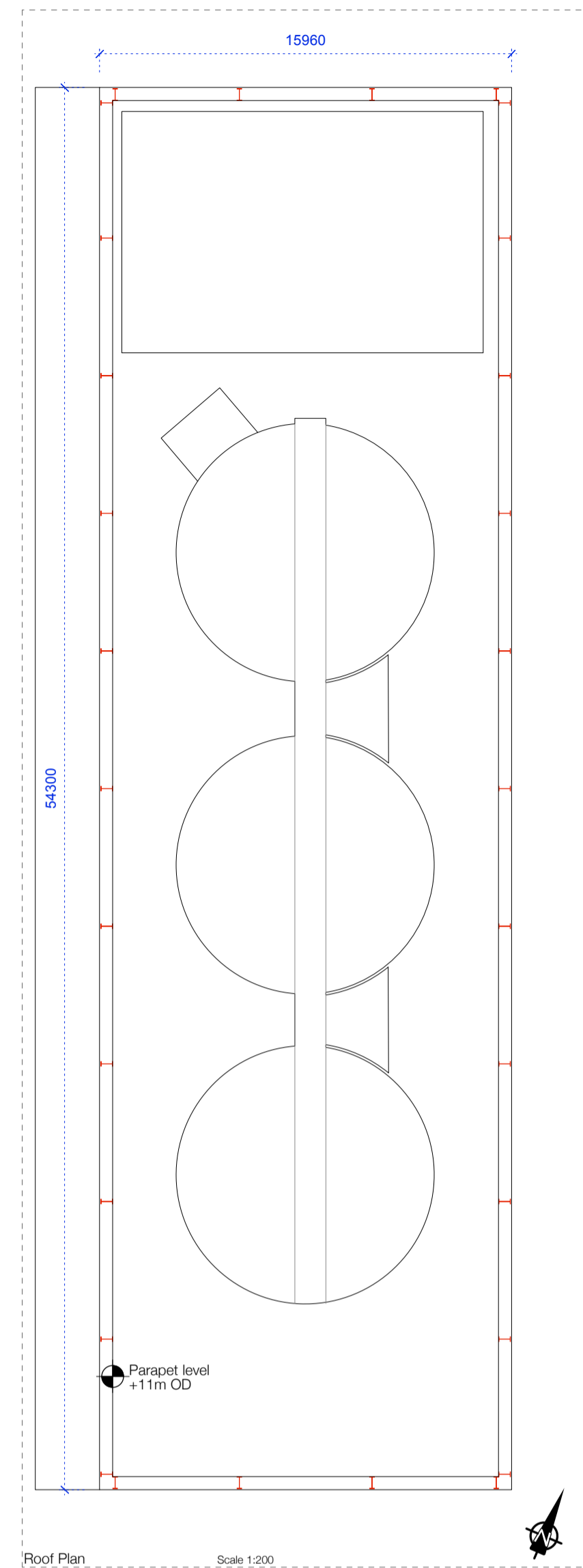
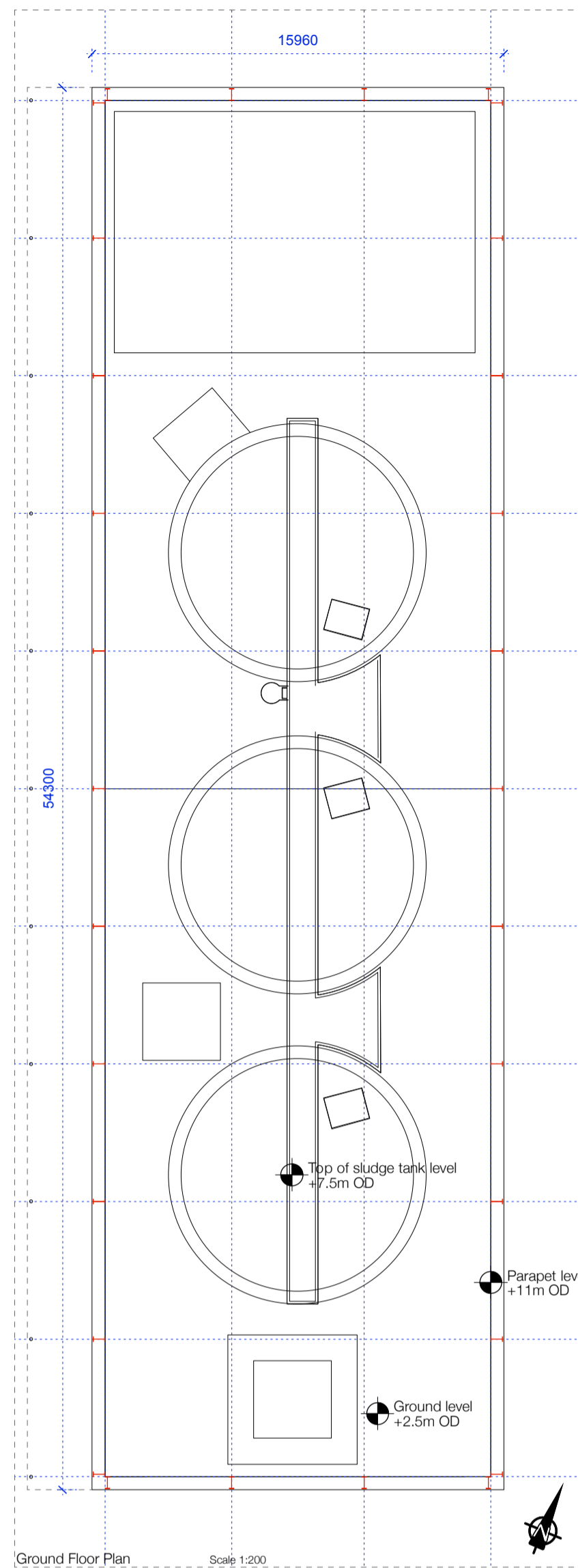
- KEY**
- FC1 - Fibre cement Panels, Flat
Colour - Green, [RGB: R-110, G-140, B-135]
Profile - Depth of Corrugations - 39mm
Distance between corrugation pitches - 130mm
Note - Fixings to be fitted with neoprene headers, colour to match panel colour, on approval of architect.
 - GSS - Galvanised Structural steel, Various sizes
Note - See drawing for section sizes
 - GSR - Galvanised Steel Rainwater products
 - CN1 - Concrete
Finish - Acid washed to expose aggregate
 - CN2 - Shear Concrete walls
Finish - Acid washed to expose aggregate to datum of +1500mm
 - WD - Window box flush with leading edge of facade louvre.
Double Glazed Unit within mull
Finished Aluminium frame.
 - WLL - Blockwork walls, Concrete kicker to bottom, rising to a datum of +500mm
Finish Concrete - acid washed to expose aggregate
Finish Blockwork - as supplied
 - ICP - Insulated carrier panel to carry facade support



KEY plan 1:200

PLANNING APPLICATION
 ARKLOW Waste Water Treatment Plant Project
 Administration Building - Facade Details
 AUGUST 2018 247825-00-ADM-P-003
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.

Scale 1:33



- KEY**
- GSS - Galvanised Structural steel, Various sizes
Note - See drawing for section sizes
 - GS1 - Galvanised Steel Flashing
 - GSG - Galvanised Steel "flowforge" Grating
30mm Deep, 3mm thick bars @ 30mm ctrs,
Twisted transverse bars @ 100mm ctrs.
Supported on Galvanised Angles
 - BRC1 - Bracing to structure - M16 cables - behind cladding
 - BRC2 - Galvanised Rods, bracing at ends of structure - behind cladding

PLANNING APPLICATION
ARKLOW Wastewater Treatment Plant Project
 Sludge Tank enclosure 247825-00-STE-001
 SEPTEMBER 2018
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



LANDSCAPE PLAN
Scale 1:1000

LEGEND

- Proposed WwTP Site boundary
- Planning Boundary

GENERAL NOTE

The planting strategy has been determined by proposing native species that are already growing on the site and its surrounding lands. The trees (silver birch and pines) are to be planted as small whips, at 500mm centres. These whips will be allowed to grow and their roots to work their way into the soils below the site. It is anticipated that some of these trees will not take, while others will mature. The resultant tree pattern shown in views is therefore conjectured, but is indicative of the final quality of the landscaping. The strategy is for low maintenance - Low growing plants such as the gorses etc will be allowed to grow, untamed, while flowering and grassy areas will be allowed, being trimmed once a year. The grid of planting shown on the landscape plan is what is proposed as part of the works. It is anticipated that species may spread from the pattern shown over time.

KEY

<p>Hard Surfaces</p> <ul style="list-style-type: none"> Concrete paving Finish Acid washed to expose aggregate Loose fine stone paving To match type used in revetment rebuilding - to be sourced from same quarry Large quarry rocks, as specified in revetment. 	<p>Planted Surfaces</p> <ul style="list-style-type: none"> Autumn Gorse based planting (<i>Ulex Gallii</i>) Max growth height 0.8m Silver Birch (<i>Betula pendula</i>) planted in copse's Bluebell (<i>Hyacinthoides nonscripta</i>) planted below Max growth height 25m Scot's Pine (<i>Pinus sylvestris</i>) planted within gravelled patches Max growth height 12m (20 - 50 years) Silver Birch (<i>Betula pendula</i>) planted within gravelled patches Max growth height 25m 	<p>Site Services</p> <ul style="list-style-type: none"> Bollard area lighting Slot drain integrated with concrete paving Pedestrian Road crossing painted onto ground Car parking space - marked on ground with paint ; 2.4 x 4.8m Roadway area - for illustration purposes Skip & miss timber fencing to boundary 	<p>Site Services</p> <ul style="list-style-type: none"> Flood lighting incorporated into building facade above Pedestrian route between buildings highlighted with painted ground pattern Security lighting on motion sensors incorporated with fence
--	---	---	--



View from Point 'A'



View from Point 'B'

PLANNING APPLICATION

ARKLOW Wastewater Treatment Plant Project

LANDSCAPE Site plan - Contiguous 247825-00-L-001

SEPTEMBER 2018

ARUP

BYRNE LOOBY

CLANCY MOORE ARCHITECTS

www.clancymoore.com . info@clancymoore.com . +353 1 7093005
66 Meath Street, Dublin 8, D08 DK64
Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



View C from inside yard looking towards Admin building & inletworks

GENERAL NOTE

The planting strategy has been determined by proposing native species that are already growing on the site and its surrounding lands. The trees (silver birch and pines) are to be planted as small whips, at 500mm centres. These whips will be allowed to grow and their roots to work their way into the soils below the site. It is anticipated that some of these trees will not take, while others will mature. The resultant tree pattern shown in views is therefore conjectured, but is indicative of the final quality of the landscaping.

The strategy is for low maintenance - Low growing plants such as the gorses etc will be allowed to grow, untamed, while flowering and grassy areas will be allowed, being trimmed once a year. The grid of planting shown on the landscape plan is what is proposed as part of the works. It is anticipated that species may spread from the pattern shown over time.

LEGEND

- Proposed WwTP Site boundary
- Planning Boundary

KEY

Hard Surfaces	Planted Surfaces
Concrete paving Finish Acid washed to expose aggregate	Autumn Gorse based planting (<i>Ulex Gallii</i>) Max growth height 0.8m
Loose fine stone paving To match type used in revetment rebuilding - to be sourced from same quarry	Silver Birch (<i>Betula pendula</i>) planted in coppes's at 5m centres. Bluebell (<i>Hyacinthoides nonscripta</i>) planted below
Large quarry rocks, as specified in revetment.	Scot's Pine (<i>Pinus sylvestris</i>) planted within gravelled patches Max growth height 12m (20 - 50 years)
	Silver Birch (<i>Betula pendula</i>) planted in coppes at 1m centres within gravelled patches

Site Services

- Bollard area lighting
- Slot drain integrated with concrete paving
- Pedestrian Road crossing painted onto ground
- Car parking space - marked on ground with paint ; 2.4 x 4.8m
- Roadway area - for illustration purposes
- Skip & miss timber fencing to boundary

Site Services

- Flood lighting incorporated into building facade above
- Pedestrian route between buildings highlighted with painted ground pattern
- Security lighting on motion sensors incorporated with fence
- Street lighting to Roadway - See reference image 01 for type



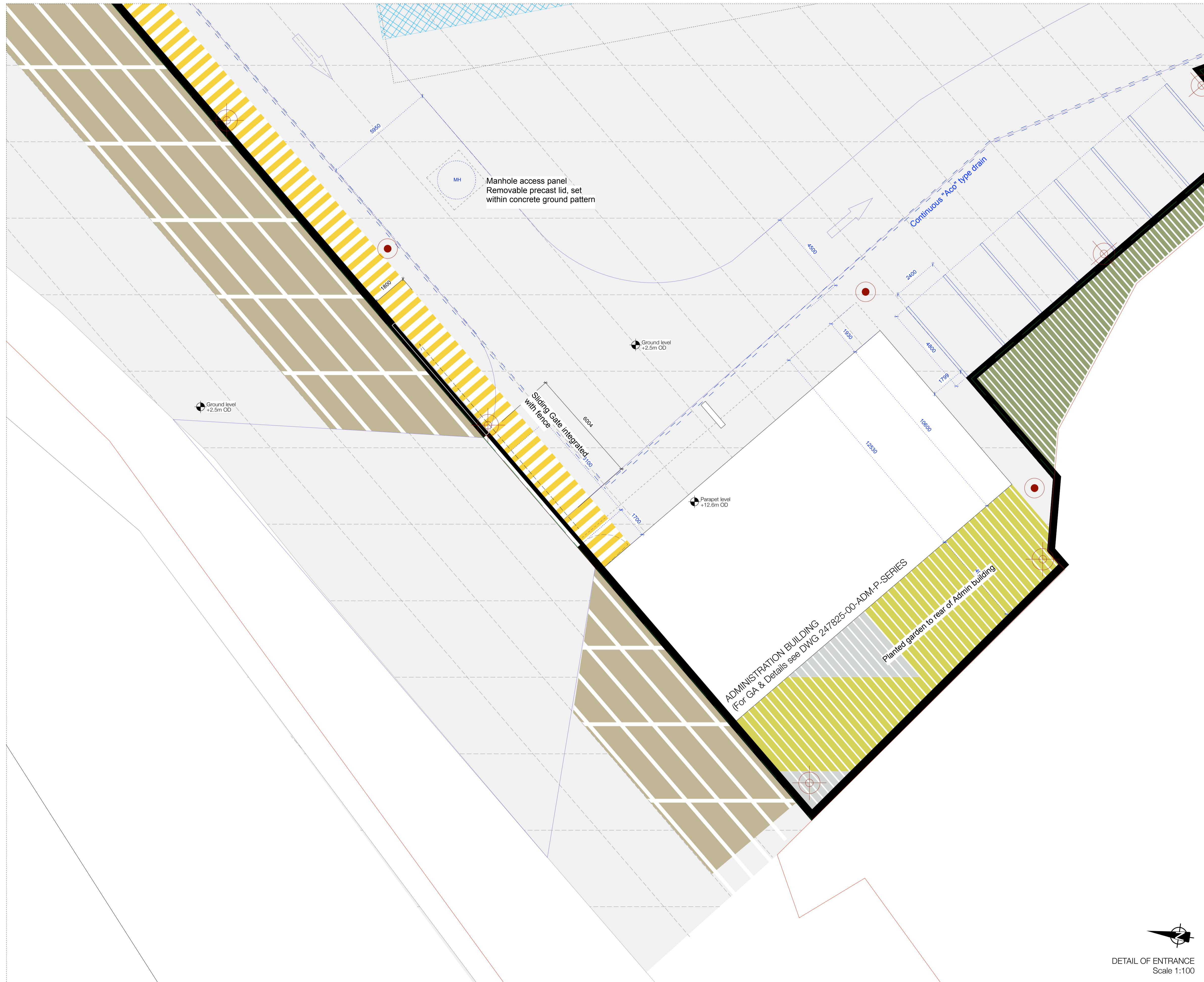
NOTE

Locations of Manholes (MH) and drain runs marked on drawing. Details of drainage system included on engineers drawing

Locations & types lighting illustrated on this drawing - for lighting details please see engineers drawing



PLANNING APPLICATION
ARKLOW Wastewater Treatment Plant Project
 LANDSCAPE Site plan 247825-00- L 002
 SEPTEMBER 2018 Scale 1:500 @ A1
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com ; info@clancymoore.com ; +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



- KEY**
- Hard Surfaces**
- Concrete paving
Finish Acid washed to expose aggregate
 - Loose fine stone paving
To match type used in revetment
rebuilding - to be sourced from same quarry
 - Large quarry rocks, as specified in
revetment.
- Planted Surfaces**
- Autumn Gorse based planting (*Ulex Gallii*)
Max growth height 0.8m
 - Silver Birch (*Betula pendula*) planted in
copse's
Bluebell (*Hyacinthoides nonscripta*)
planted below
Max growth height 25m
 - Scot's Pine (*Pinus sylvestris*) planted
within gravelled patches
Max growth height 12m (20 - 50 years)
 - Silver Birch (*Betula pendula*) planted
within gravelled patches
Max growth height 25m
- Site Services**
- Bollard area lighting
 - Slot drain integrated with concrete paving
 - Pedestrian Road crossing painted onto
ground
 - Car parking space - marked on ground
with paint ; 2.4 x 4.8m
 - Roadway area - for illustration purposes
 - Skip & miss timber fencing to boundary
 - Flood lighting incorporated into building
facade above
 - Pedestrian route between buildings
highlighted with painted ground pattern
 - Security lighting on motion sensors
Incorporated with fence

GENERAL NOTE

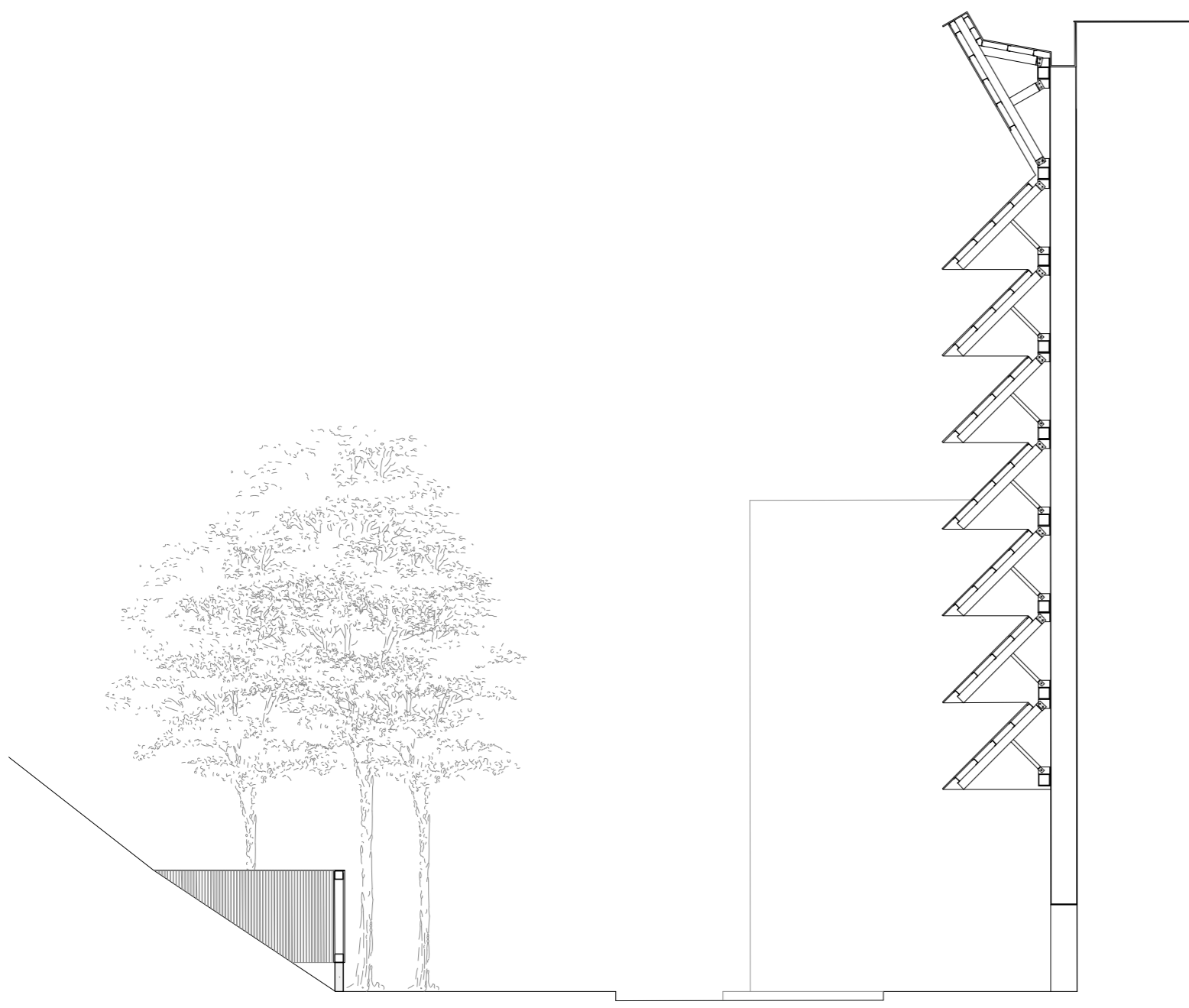
The planting strategy has been determined by proposing native species that are already growing on the site and its surrounding lands. The trees (silver birch and pines) are to be planted as small whips, at 500mm centres. These whips will be allowed to grow and their roots to work their way into the soils below the site. It is anticipated that some of these trees will not take, while others will mature. The resultant tree pattern shown in views is therefore conjectured, but is indicative of the final quality of the landscaping.

The strategy is for low maintenance - Low growing plants such as the gorses etc will be allowed to grow, untamed, while flowering and grassy areas will be allowed, being trimmed once a year. The grid of planting shown on the landscape plan is what is proposed as part of the works. It is anticipated that species may spread from the pattern shown over time.

DETAIL OF ENTRANCE
Scale 1:100

PLANNING APPLICATION
ARKLOW Wastewater Treatment Plant Project
LANDSCAPE ENTRANCE DETAIL - 247825-00-L 003
 SEPTEMBER 2018 Scale 1:100 @ A1

ARUP
 BYRNE LOOBY
CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.

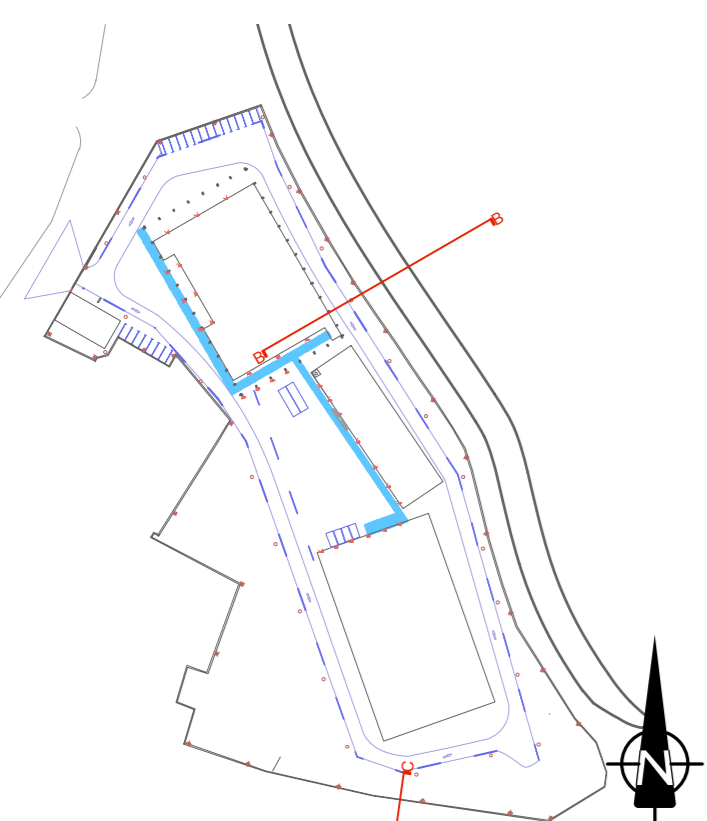


SECTION BB - fence along revetment

Scale 1:100



SECTION BB Scale 1:25



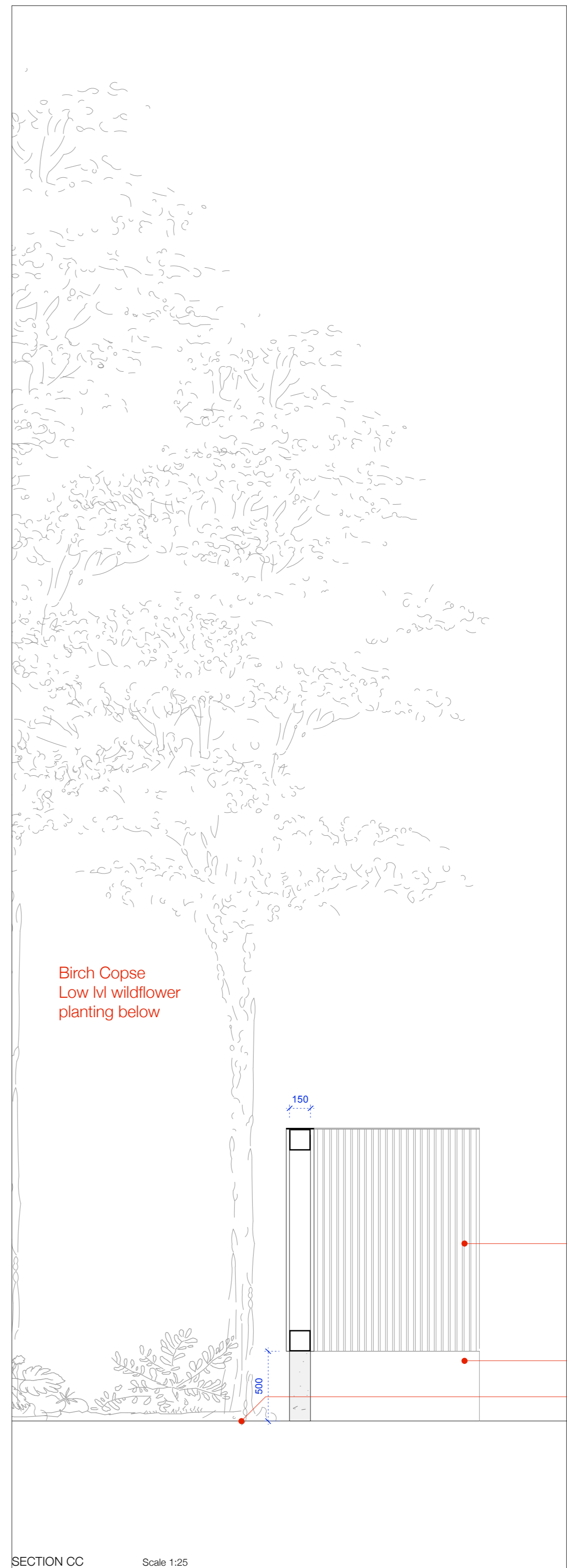
Legend showing section location Scale 1:2500

- KEY
- REV - Large Quarry Stones, as specified by engineer. Finish & stone type contractors choice
 - FEN - Skip & Miss type timber fence on Steel frame
 - CN1 - Concrete footing to fence
Finish - Acid washed to expose aggregate
 - CN2 - Concrete to ground
Finish - Acid washed to expose aggregate



SECTION CC - fence along quayside

Scale 1:100



SECTION CC Scale 1:25

- KEY
- REV - Large Quarry Stones, as specified by engineer. Finish & stone type contractors choice
 - FEN - Skip & Miss type timber fence on Steel frame
 - CN1 - Concrete footing to fence
Finish - Acid washed to expose aggregate
 - CN2 - Concrete to ground
Finish - Acid washed to expose aggregate

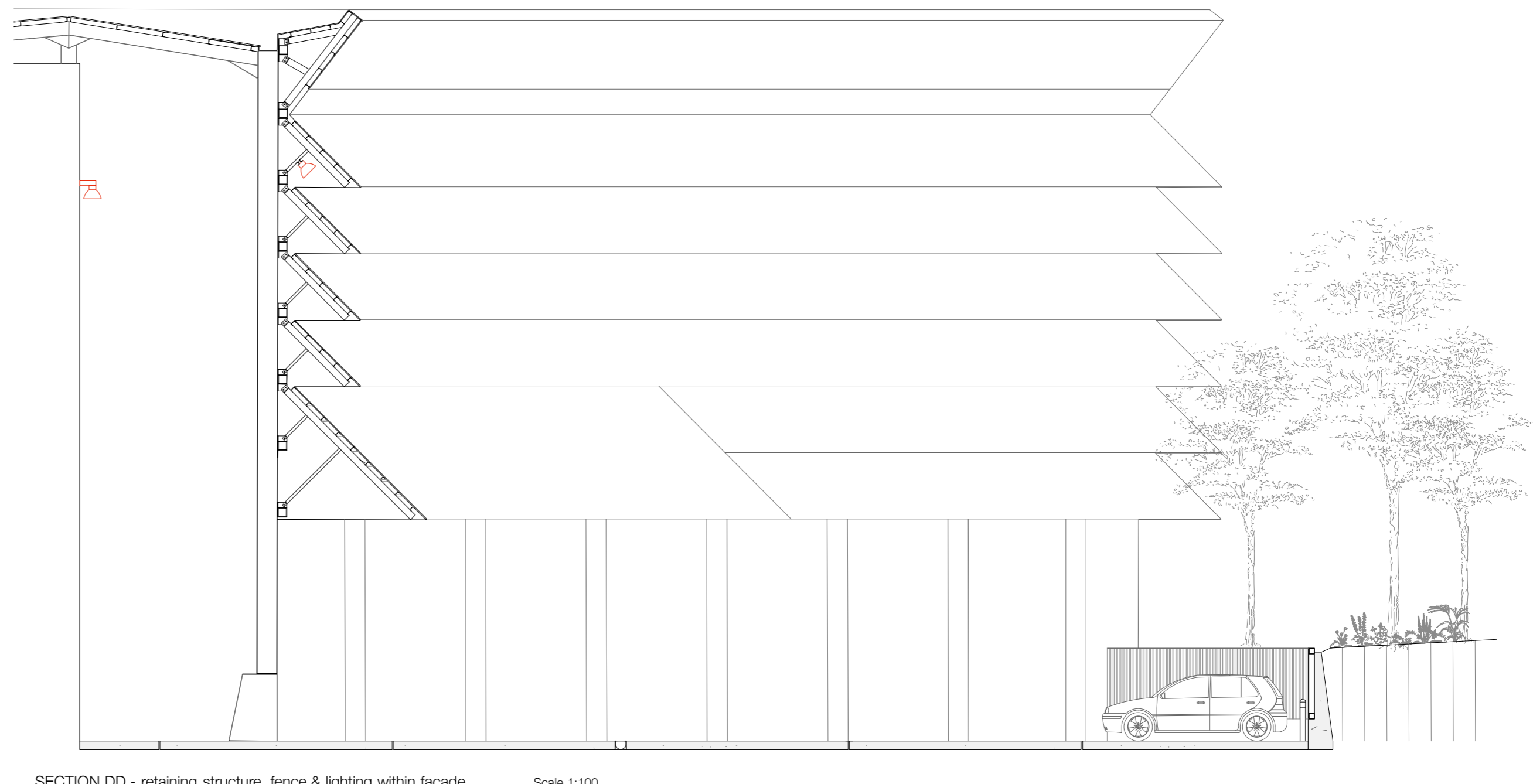
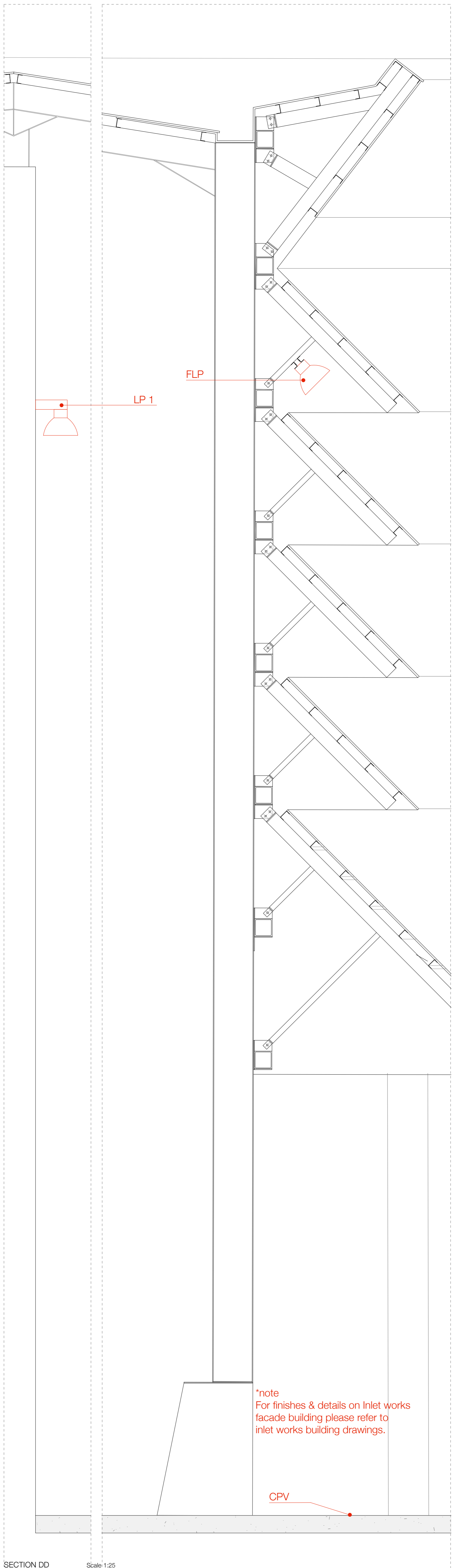
PLANNING APPLICATION
ARKLOW Wastewater Treatment Plant Project
LANDSCAPE LANDSCAPE Sections 247825-00-L-D-001
 SEPTEMBER 2018 Scale 1:25 @ A1

ARUP

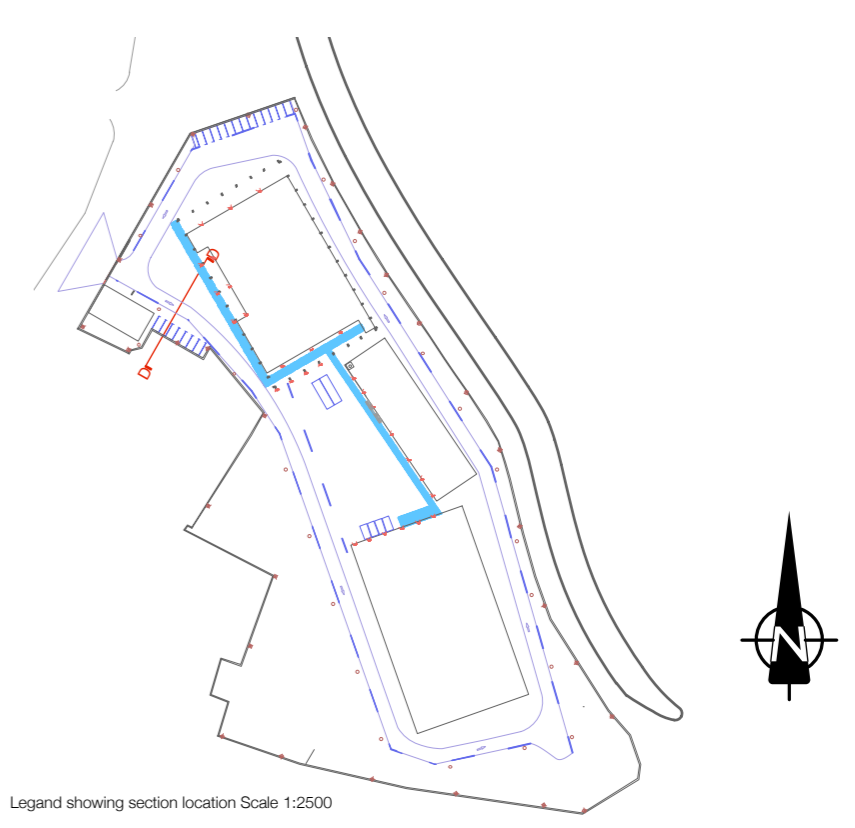
BYRNE LOOBY

CLANCY MOORE ARCHITECTS

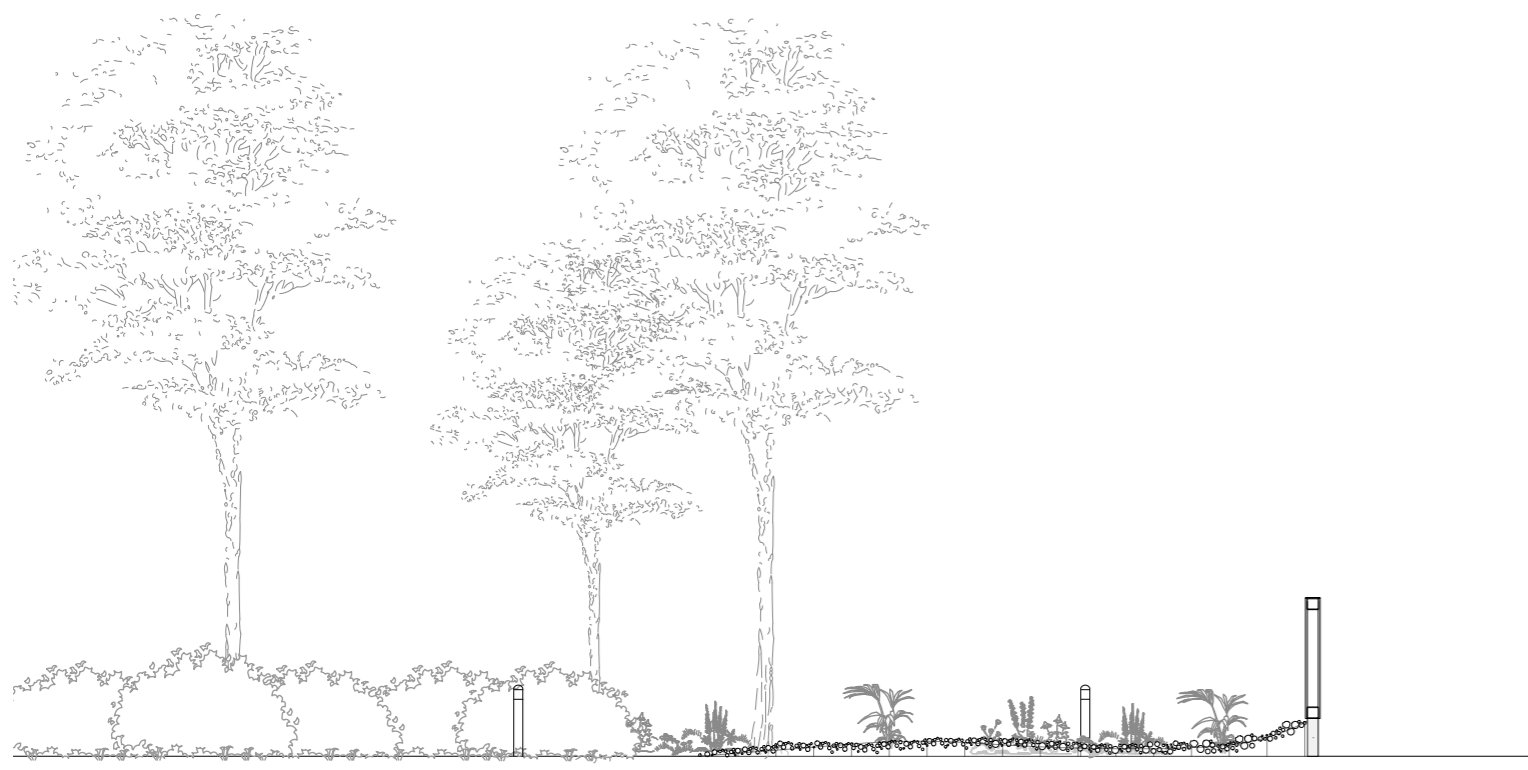
www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



- KEY
- FEN - Skip & Miss type timber fence on steel frame
 - RET - Concrete retaining wall incorporating footing to fence
 - BOL - Lighting Bollard, ambient lighting
 - CPV - Concrete paving finish
 - LP1 - Lamp fixed to inner facade to provide glowing effect to building
 - FLP - Flood Lighting incorporated into facade to provide lighting as needed to yards below. Fixed to main structure via Angles

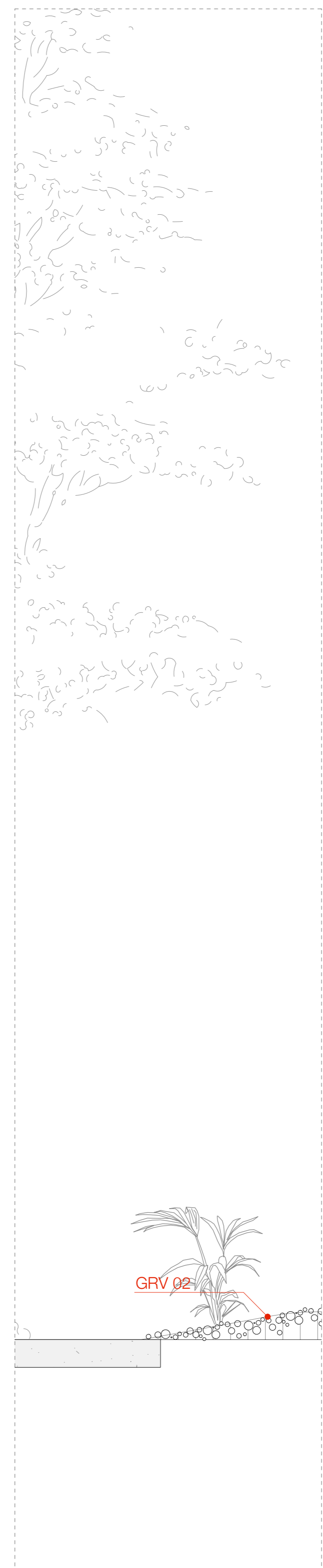
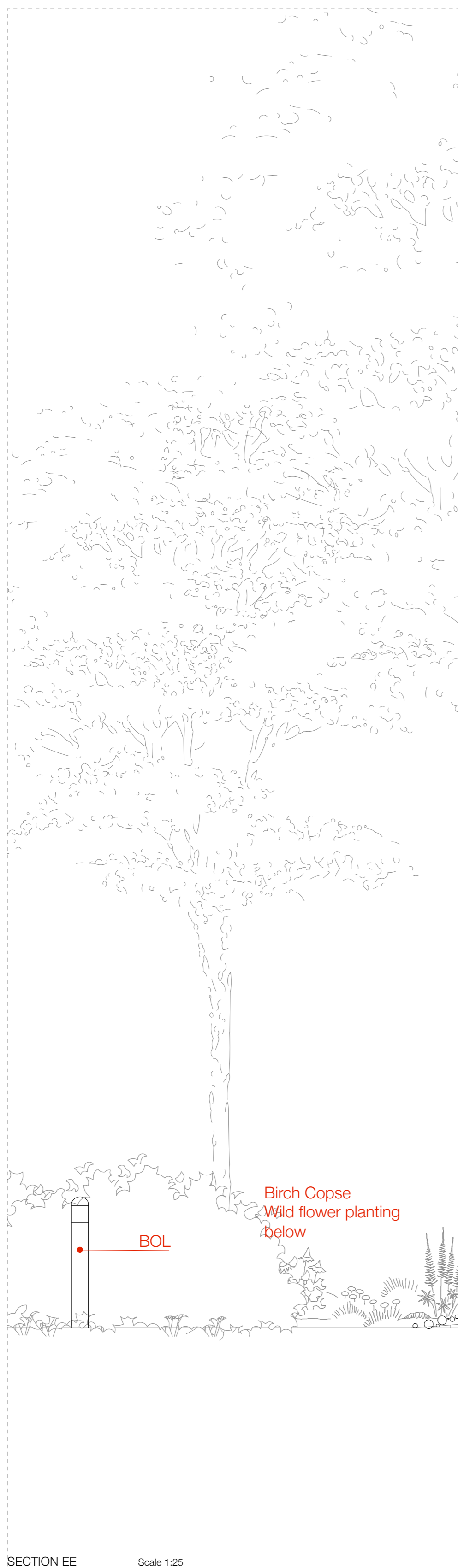


PLANNING APPLICATION
 ARKLOW Wastewater Treatment Plant Project
 LANDSCAPE LANDSCAPE Sections 247825-00-L-D-002
 SEPTEMBER 2018 Scale 1:25 @ A1
 ARUP
 BYRNE LOOBY
 CLANCY MOORE ARCHITECTS
 www.clancymoore.com . info@clancymoore.com . +353 1 7093005
 66 Meath Street, Dublin 8, D08 DK64
 Copyright Clancy Moore. For Information only. Advise of any discrepancies noted.



SECTION EE - fence along Scale 1:100

SECTION FF - fence long Quay Scale 1:100

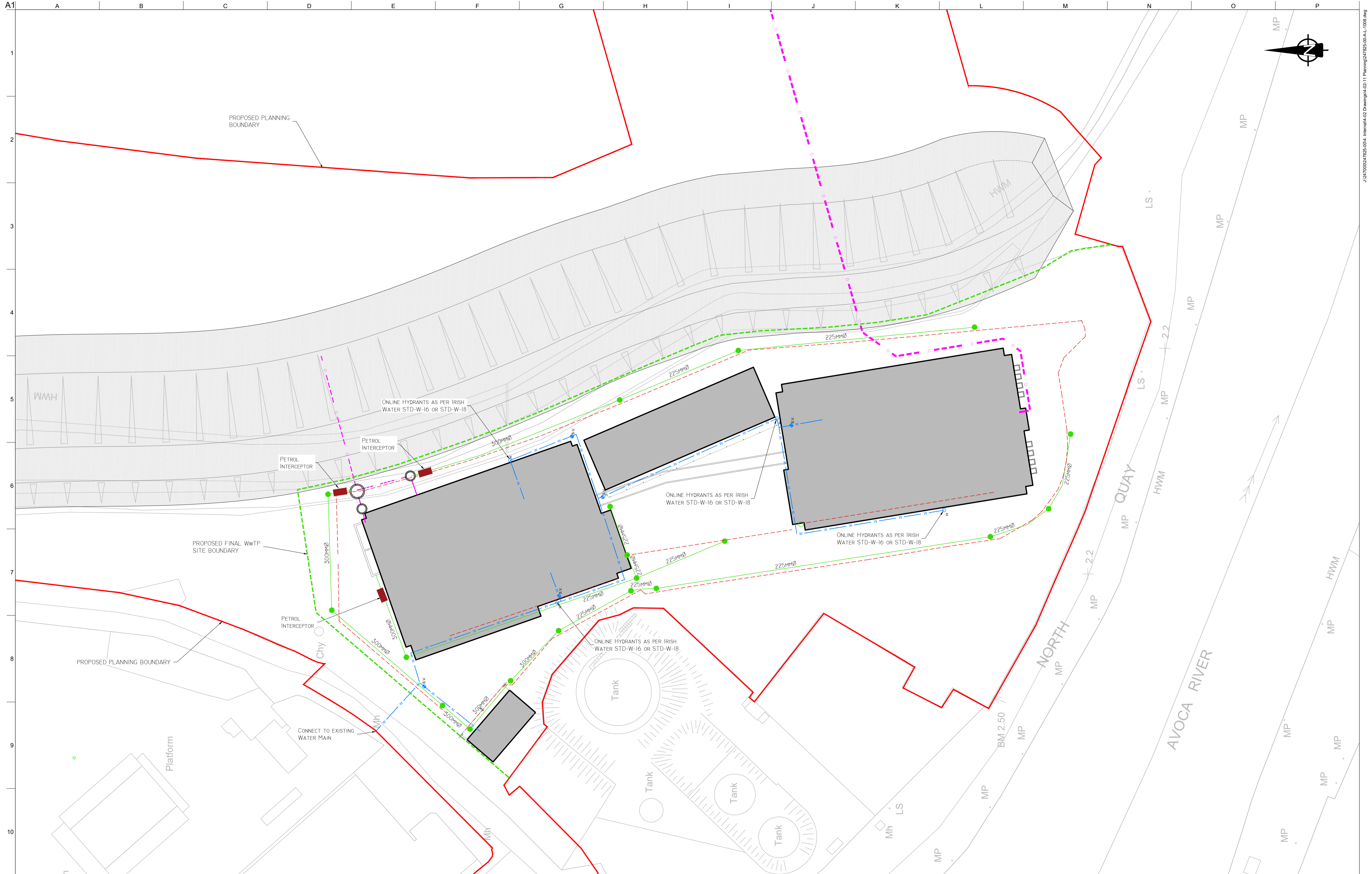


SECTION EE Scale 1:25

SECTION FF Scale 1:25



- KEY
- REV - Large Quarry Stones, as specified by engineer. Finish & stone type contractors choice
 - FEN - Skip & Miss type timber fence on steel frame
 - CN1 - Concrete footing to fence Finish - TBC
 - CPV - Concrete paving
 - BOL - Lighting bollard
 - GRV 02 - Small sized Quarry Stones, Finish & Stone type to match those used in revetment



- NOTES:**
- ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 - ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.
- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED FINAL WWTP SITE BOUNDARY
 - PROPOSED SURFACE WATER SEWER
 - PROPOSED MANHOLE
 - PROPOSED WATERMAIN
 - PROPOSED HYDRANT
 - PROPOSED SLUICE VALVE
 - PROPOSED CHANNEL DRAIN
 - PROPOSED PETROL INTERCEPTOR
 - PROPOSED OUTFALL TO SWO

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	C'OD
P1	03/09/18	TD	TD	C'OD



Client
UISCE ÉIREANN : IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
1:500

Discipline
Infrastructure

ARUP BYRNE LOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
SITE INFRASTRUCTURE PLAN

Drawing Status
PLANNING

Job No
247825-00

Drawing No
A-L-1008

Issue
P1



LEGEND		
TYPE	SYMBOL	DESCRIPTION
A1		LED BOLLARD LIGHT - 0.9M
B1		LED LIGHT COLUMN - 4M
B2		LED LIGHT COLUMN - 6M
C1		LED FLOODLIGHT



NOTES

- THIS DRAWING IS A CONCEPT DRAWING ONLY AND NOT TO BE USED FOR CONSTRUCTION.
- THIS DRAWING INTENDS TO ILLUSTRATE THE LIGHTING STRATEGY AND LIGHTING PRINCIPLES. THERE WILL BE ELEMENT ALTERATIONS, BUT THE DESIGN INTENT WILL REMAIN.
- THIS LIGHTING DESIGN SHALL BE IN ACCORDANCE WITH I.S. EN 12464-2:2014 - LIGHTING OF WORK PLACES- PART 2: OUTDOOR WORK PLACES.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS & DRAWINGS INCLUDING CIVIL SITE DRAWINGS.
- LUMINARIES SHALL BE PROVIDED WITH INDIVIDUAL LIGHTING CONTROL THAT ENABLES SEPARATE CONTROL OF INDIVIDUAL LOADING BAY LIGHTING, CAR PARK LIGHTING AND ROAD LIGHTING.

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	03/09/18	DB	KvS	PS
Issue	Date	By	Chkd	Appd



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1: 1:500

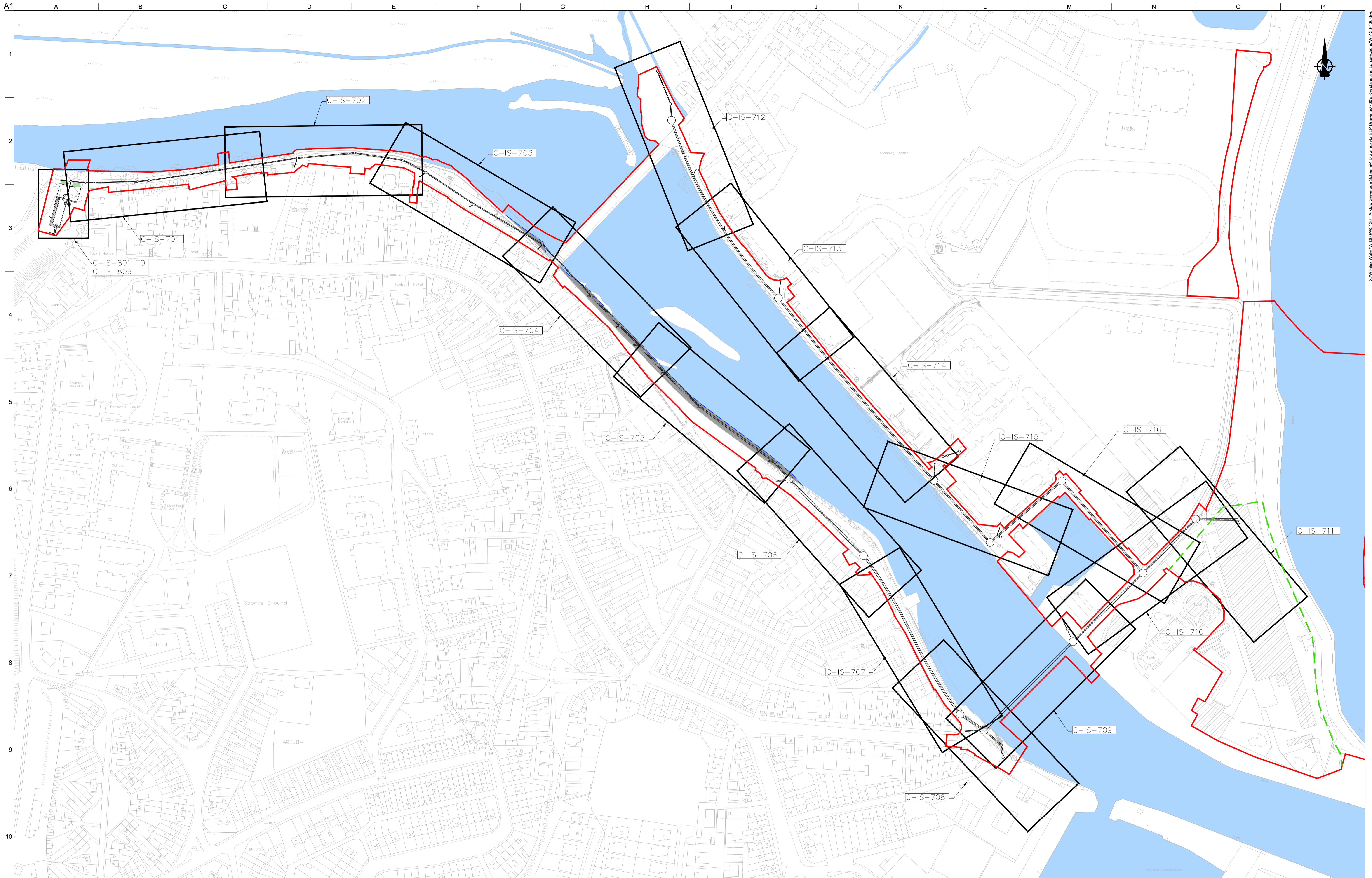
Discipline: ELECTRICAL

ARUP BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

Drawing Title
EXTERNAL LIGHTING LAYOUT

Drawing Status
PLANNING

Job No: 247825-00
 Drawing No: EL-LT-1000
 Issue: P1



LEGEND
 PROPOSED PLANNING BOUNDARY
 PROPOSED WWTP SITE BOUNDARY
 PROPOSED INTERCEPTOR SEWER
 PROPOSED SHEET PILE WITH CAPPING BEAM
 RECLAIMED LAND

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



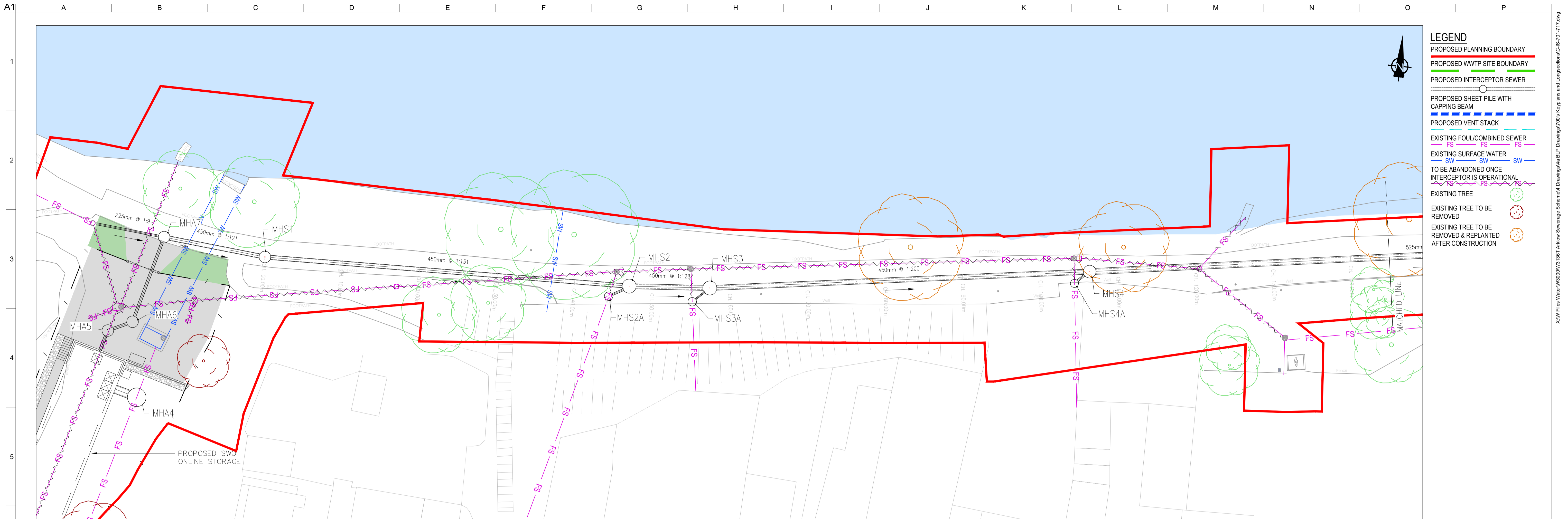
Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
 Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1 NOT TO SCALE
 Discipline CIVIL

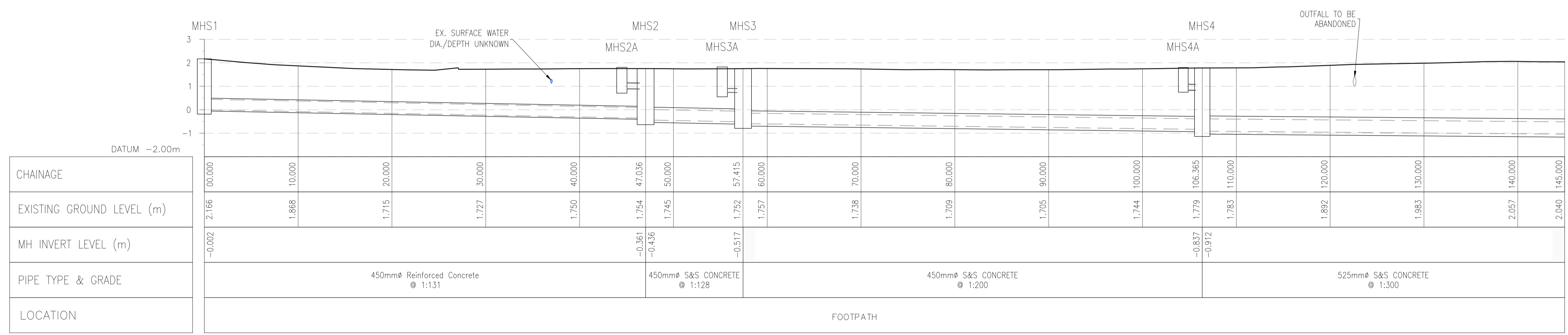


Drawing Title
LOCATION KEY PLAN
 Drawing Status
PLANNING
 Job No 247825-00
 Drawing No C-IS-700
 Issue P1



- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LOCATION PLAN
SCALE: 1:250 @ A1

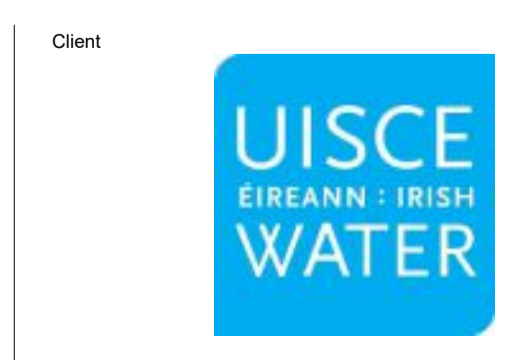


SOUTHERN INTERCEPTOR - LONGSECTION CH. 0-145M SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
UISCE ÉIREANN: IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

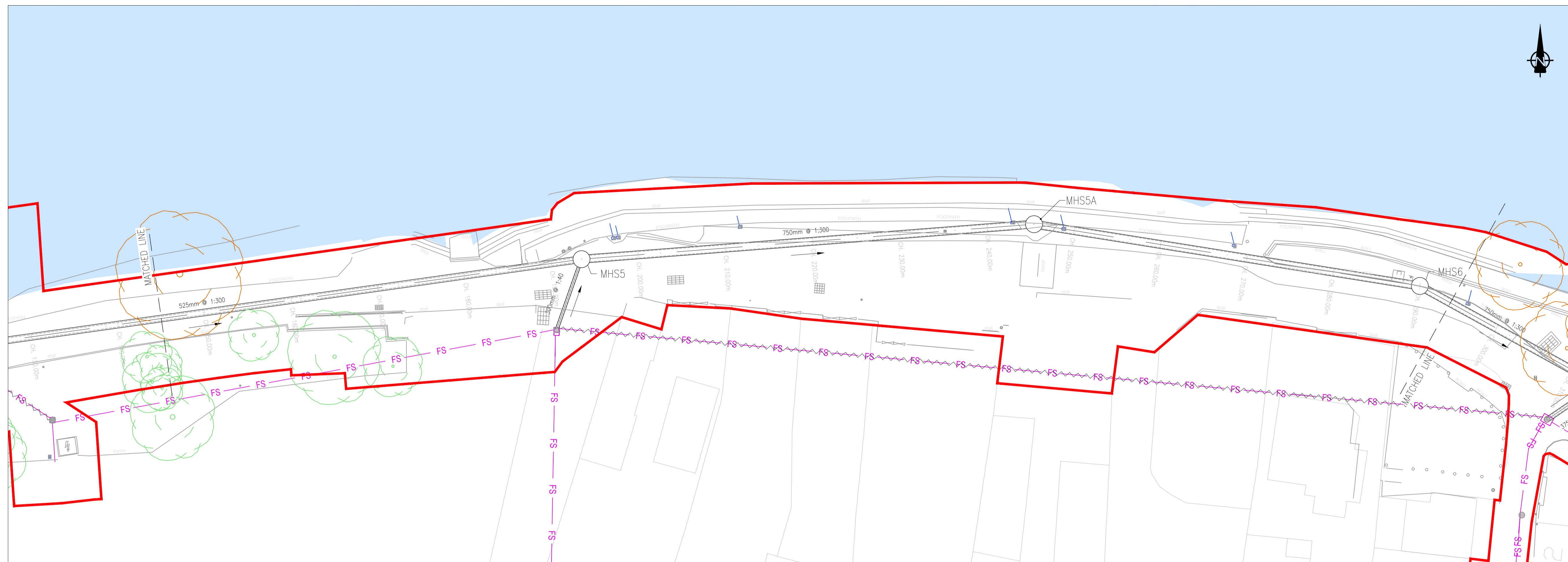
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 1 OF 16

Drawing Status
PLANNING

Job No
247825-00

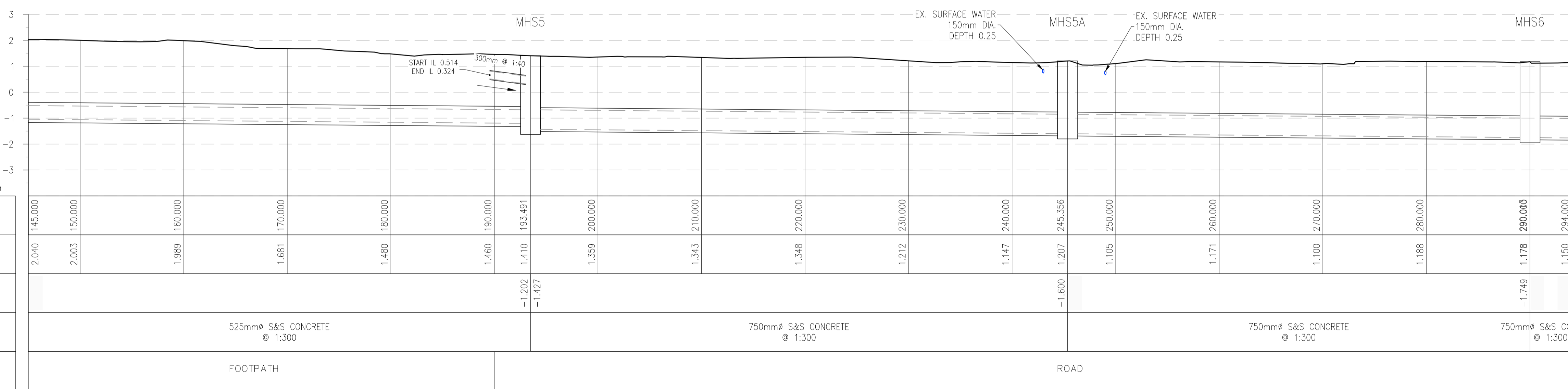
Drawing No
C-IS-701

Issue
P1



- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

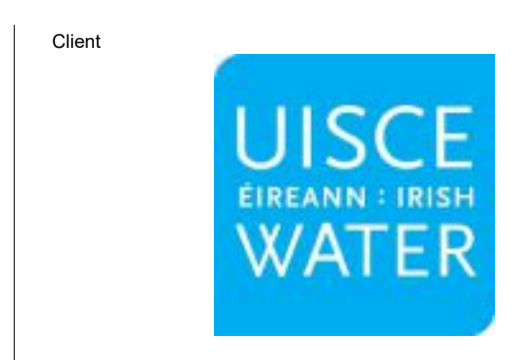
LOCATION PLAN
SCALE: 1:250 @ A1



SOUTHERN INTERCEPTOR - LONGSECTION CH. 145-294M SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

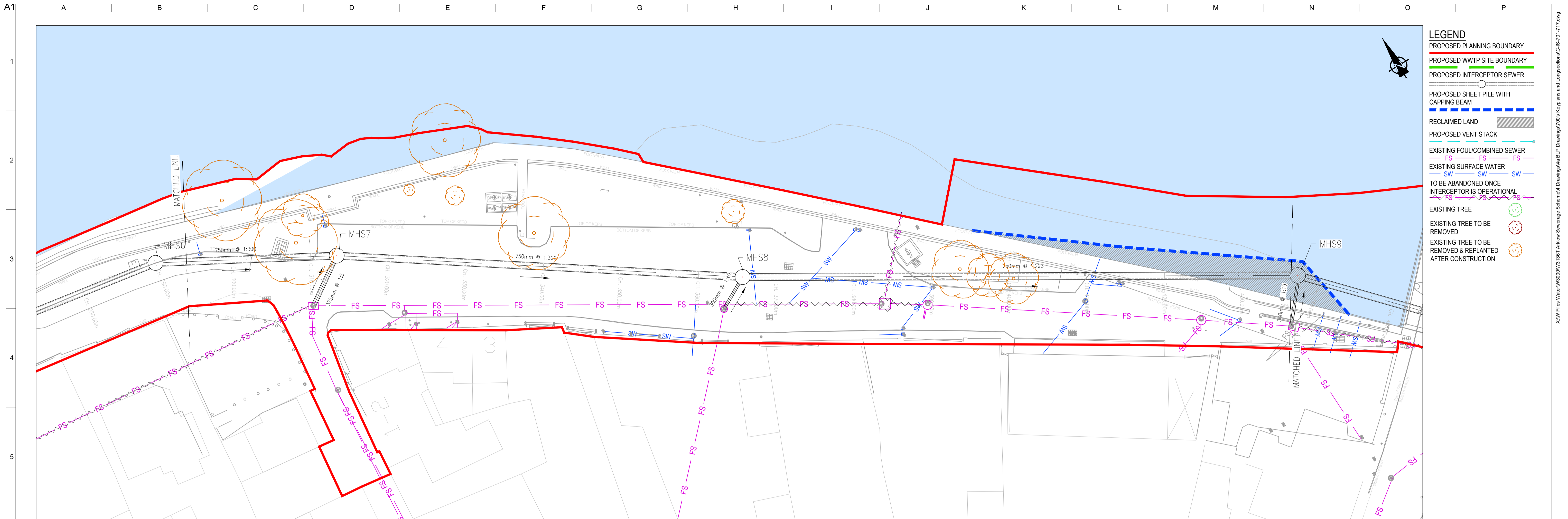
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 2 OF 16

Drawing Status
PLANNING

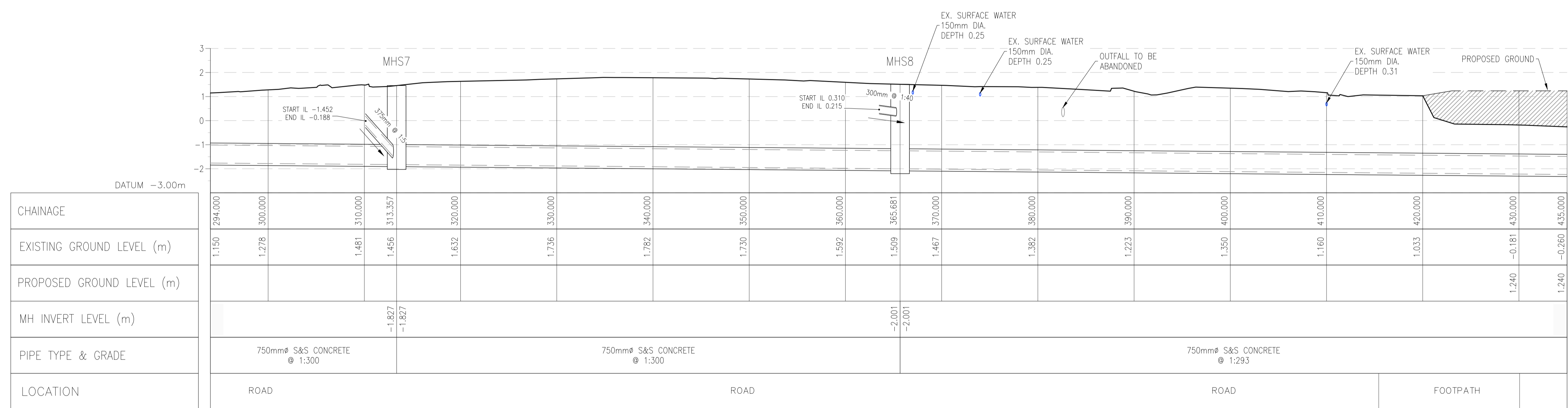
Job No
247825-00

Drawing No
C-IS-702

Issue
P1



LOCATION PLAN
SCALE: 1:250 @ A1



SOUTHERN INTERCEPTOR – LONGSECTION CH. 294–435M SCALE: H 1:250,V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
UISCE EIREANN: IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

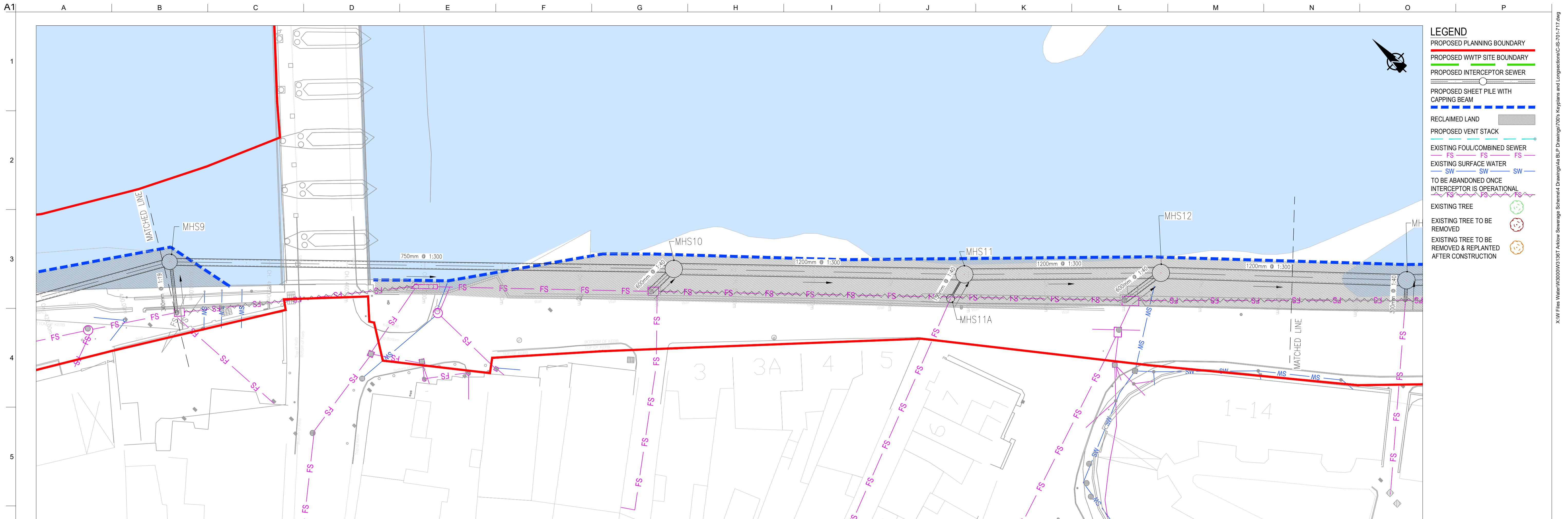
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 3 OF 16

Drawing Status
PLANNING

Job No
247825-00

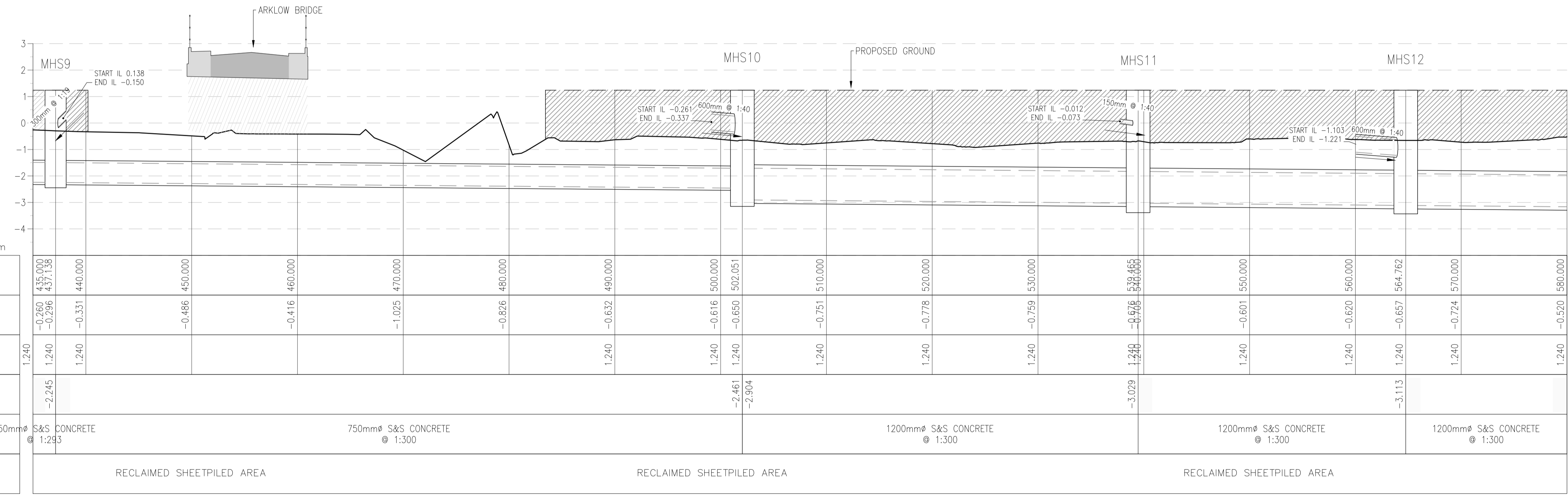
Drawing No
C-IS-703

Issue
P1



- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - RECLAIMED LAND
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

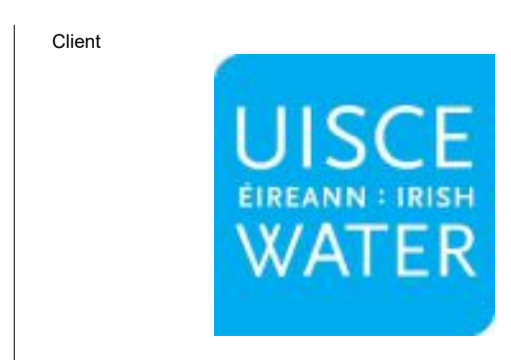
LOCATION PLAN
SCALE: 1:250 @ A1



SOUTHERN INTERCEPTOR - LONGSECTION CH. 435-580M SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Client
UISCE ÉIREANN: IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

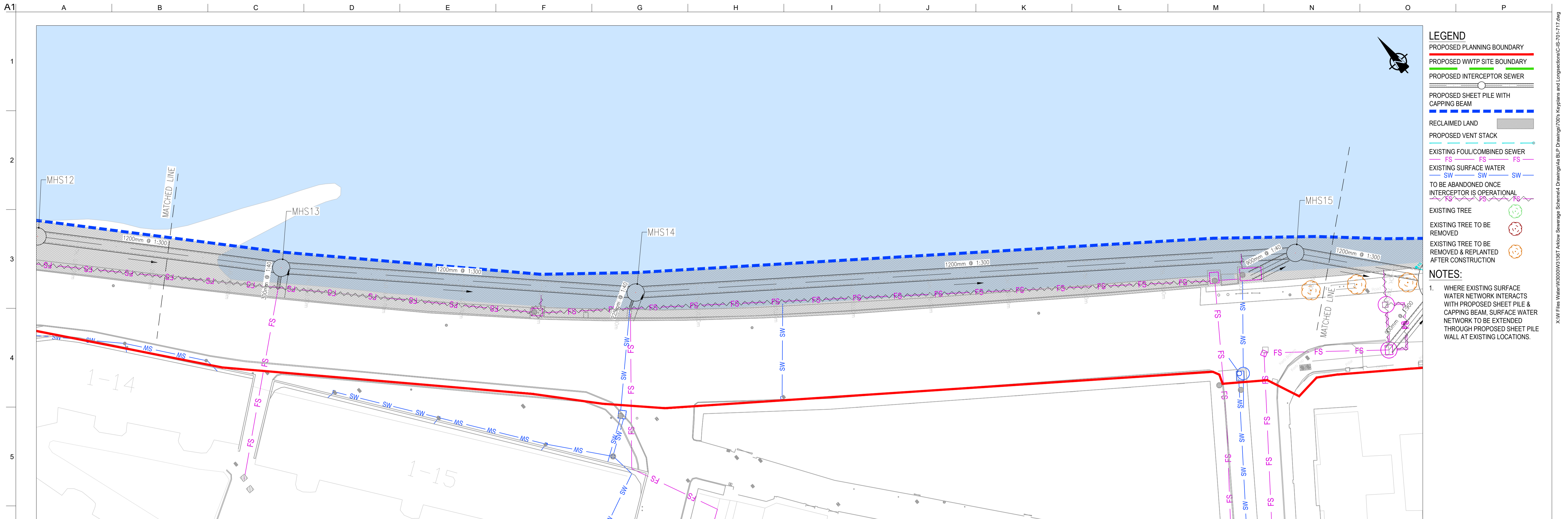
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 4 OF 16

Drawing Status
PLANNING

Job No
247825-00

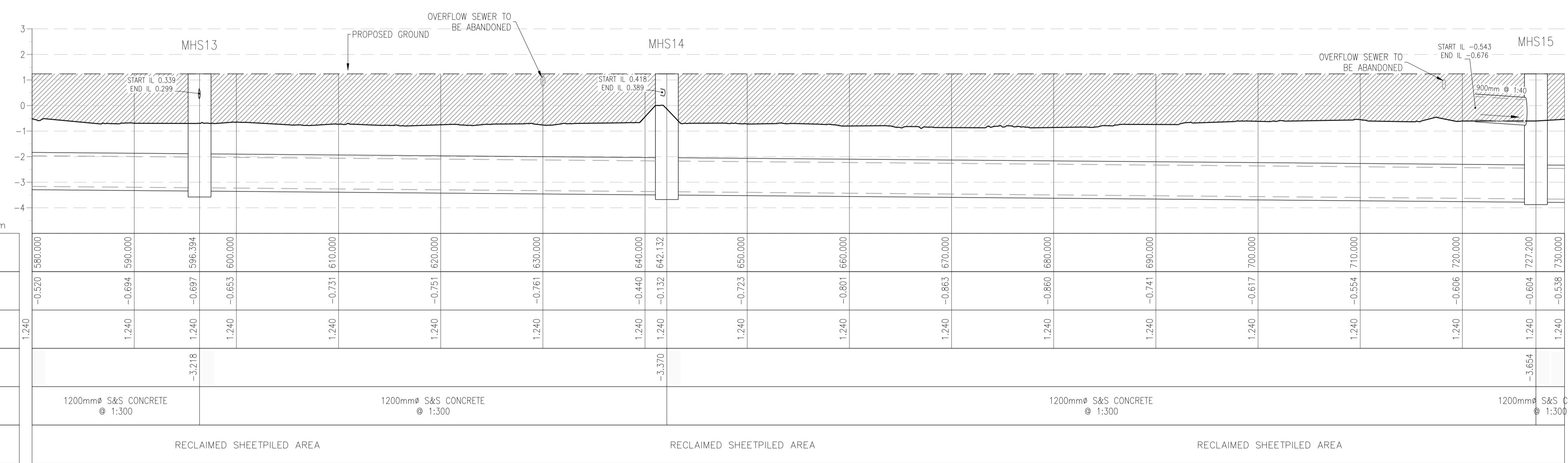
Drawing No
C-IS-704

Issue
P1



- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - RECLAIMED LAND
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- NOTES:**
- WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

LOCATION PLAN
SCALE: 1:250 © A1



SOUTHERN INTERCEPTOR - LONGSECTION CH. 580-730M SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 5 OF 16

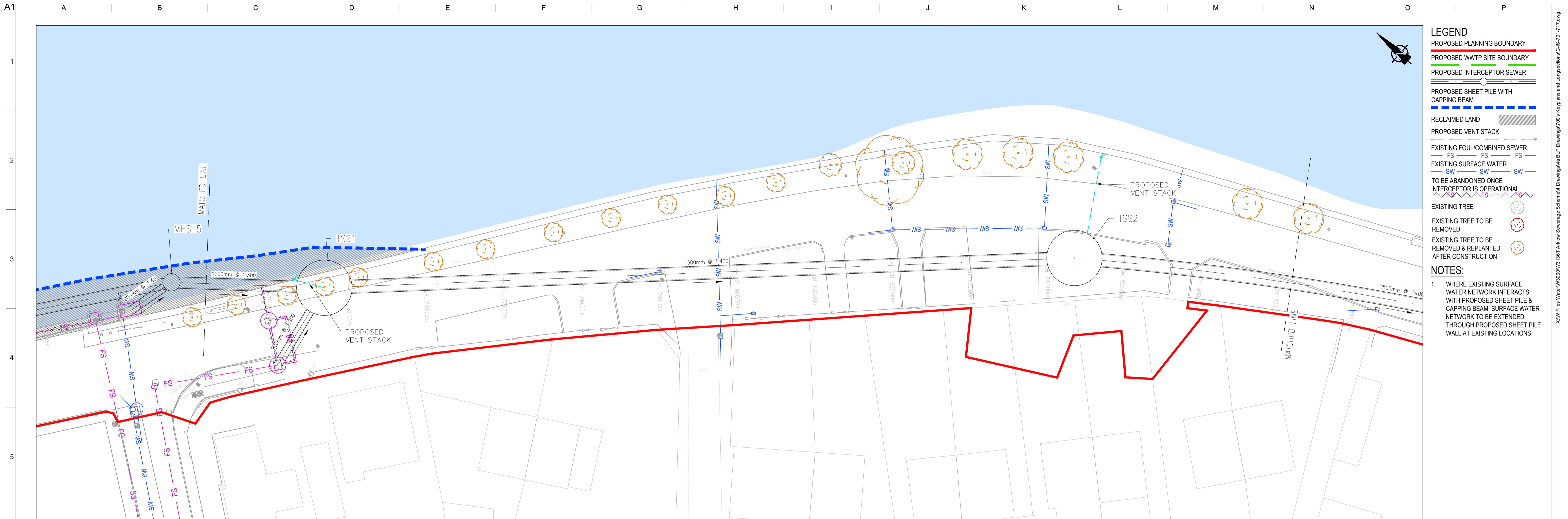
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-705

Issue
P1

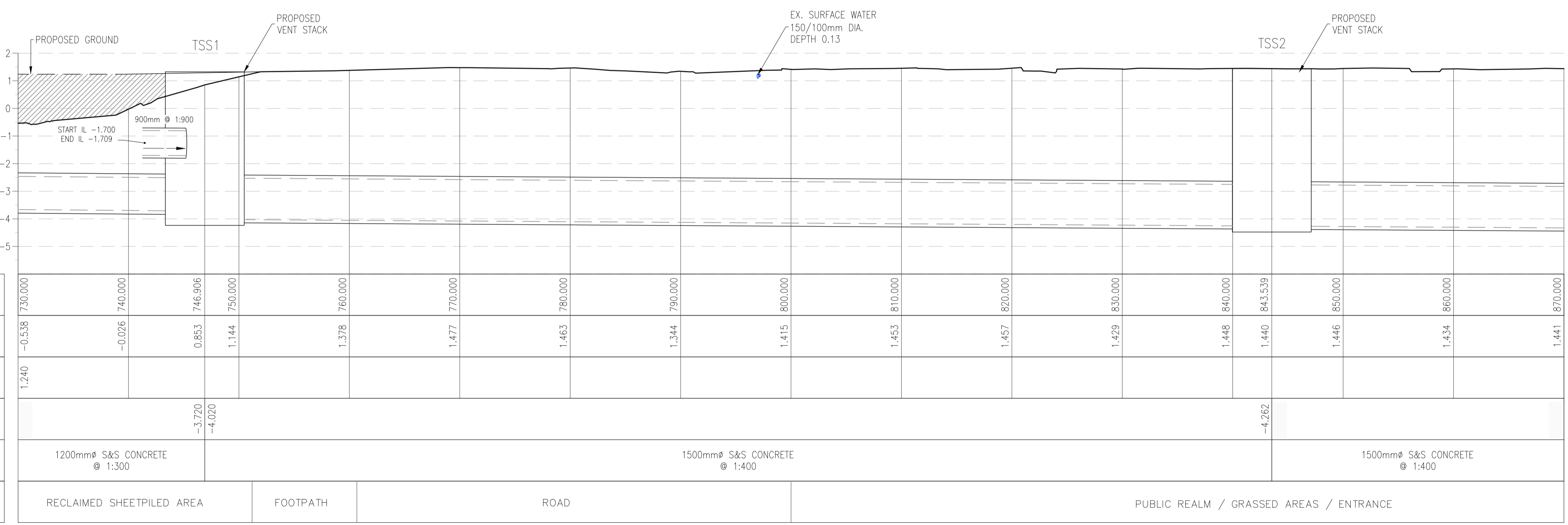
CLANCY MOORE ARCHITECTS



- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - RECLAIMED LAND
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

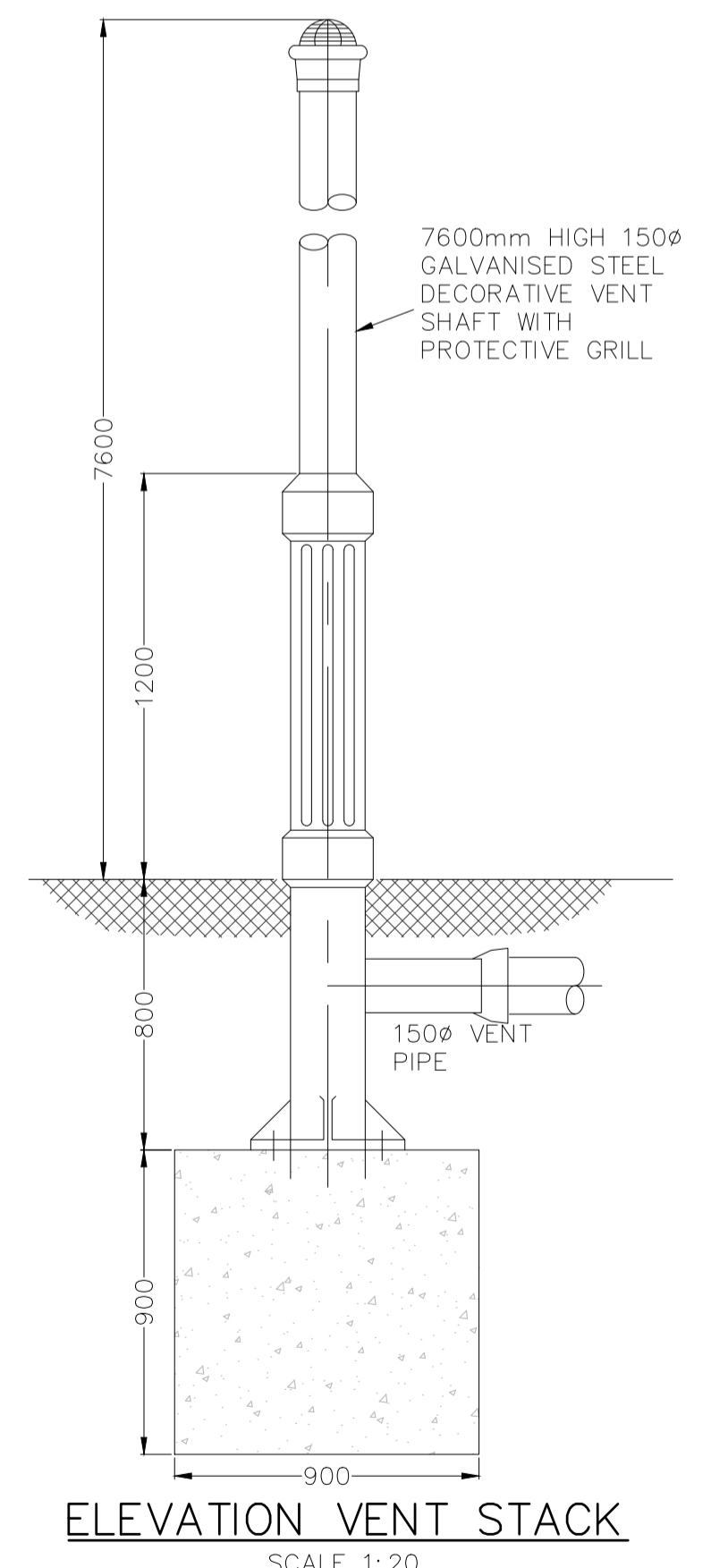
- NOTES:**
- WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

LOCATION PLAN
SCALE: 1:250 @ A1



CHAINAGE	730.000	740.000	746.906	750.000	760.000	770.000	780.000	790.000	800.000	810.000	820.000	830.000	840.000	843.539	850.000	860.000	870.000
EXISTING GROUND LEVEL (m)	-0.538	-0.026	0.853	1.144	1.378	1.477	1.463	1.344	1.415	1.453	1.457	1.429	1.448	1.440	1.446	1.434	1.441
PROPOSED GROUND LEVEL (m)	1.240																
MH INVERT LEVEL (m)			-3.720	-4.020										-4.262			
PIPE TYPE & GRADE	1200mm S&S CONCRETE @ 1:300			1500mm S&S CONCRETE @ 1:400													
LOCATION	RECLAIMED SHEETPILED AREA			FOOTPATH		ROAD				PUBLIC REALM / GRASSED AREAS / ENTRANCE							

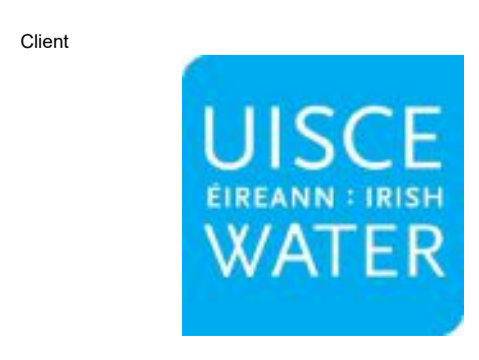
SOUTHERN INTERCEPTOR - LONGSECTION CH. 730-870M SCALE: H 1:250, V 1:100.



ELEVATION VENT STACK
SCALE 1:20

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
UISCE EIREANN: IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 6 OF 16

Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-706

Issue
P1

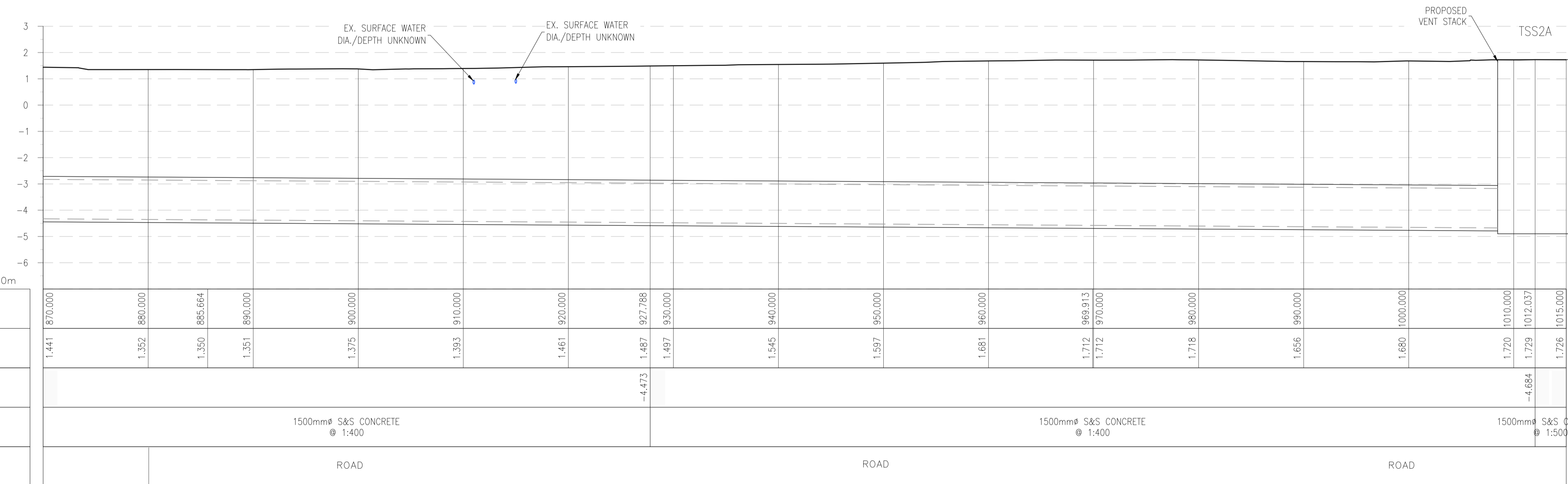


- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

NOTES:

- FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

LOCATION PLAN
SCALE: 1:250 @ A1

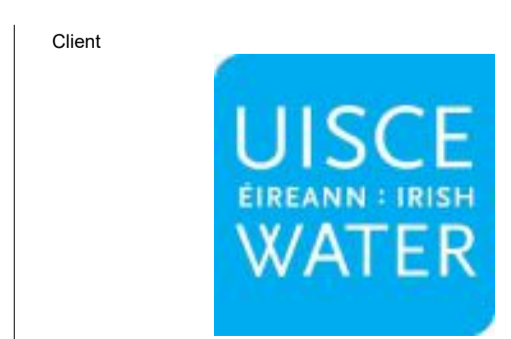


CHAINAGE	870.000	880.000	885.664	890.000	900.000	910.000	920.000	927.788	930.000	940.000	950.000	960.000	969.913	970.000	980.000	990.000	1000.000	1010.000	1012.037	1015.000
EXISTING GROUND LEVEL (m)	1.441	1.352	1.350	1.351	1.375	1.393	1.461	1.487	1.497	1.545	1.597	1.681	1.712	1.712	1.718	1.656	1.680	1.720	1.729	1.726
MH INVERT LEVEL (m)								-4.473											-4.684	
PIPE TYPE & GRADE	1500mm ^ø S&S CONCRETE @ 1:400										1500mm ^ø S&S CONCRETE @ 1:400					1500mm ^ø S&S CONCRETE @ 1:500				
LOCATION	ROAD										ROAD					ROAD				

SOUTHERN INTERCEPTOR - LONGSECTION CH. 870-1015M SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL



Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 7 OF 16

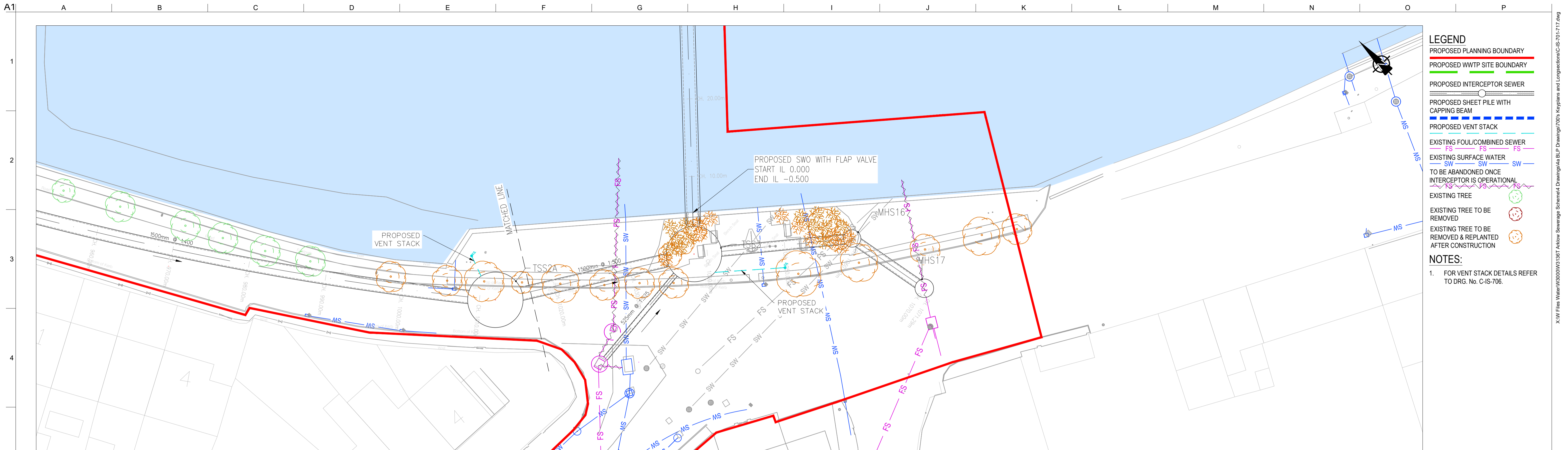
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-707

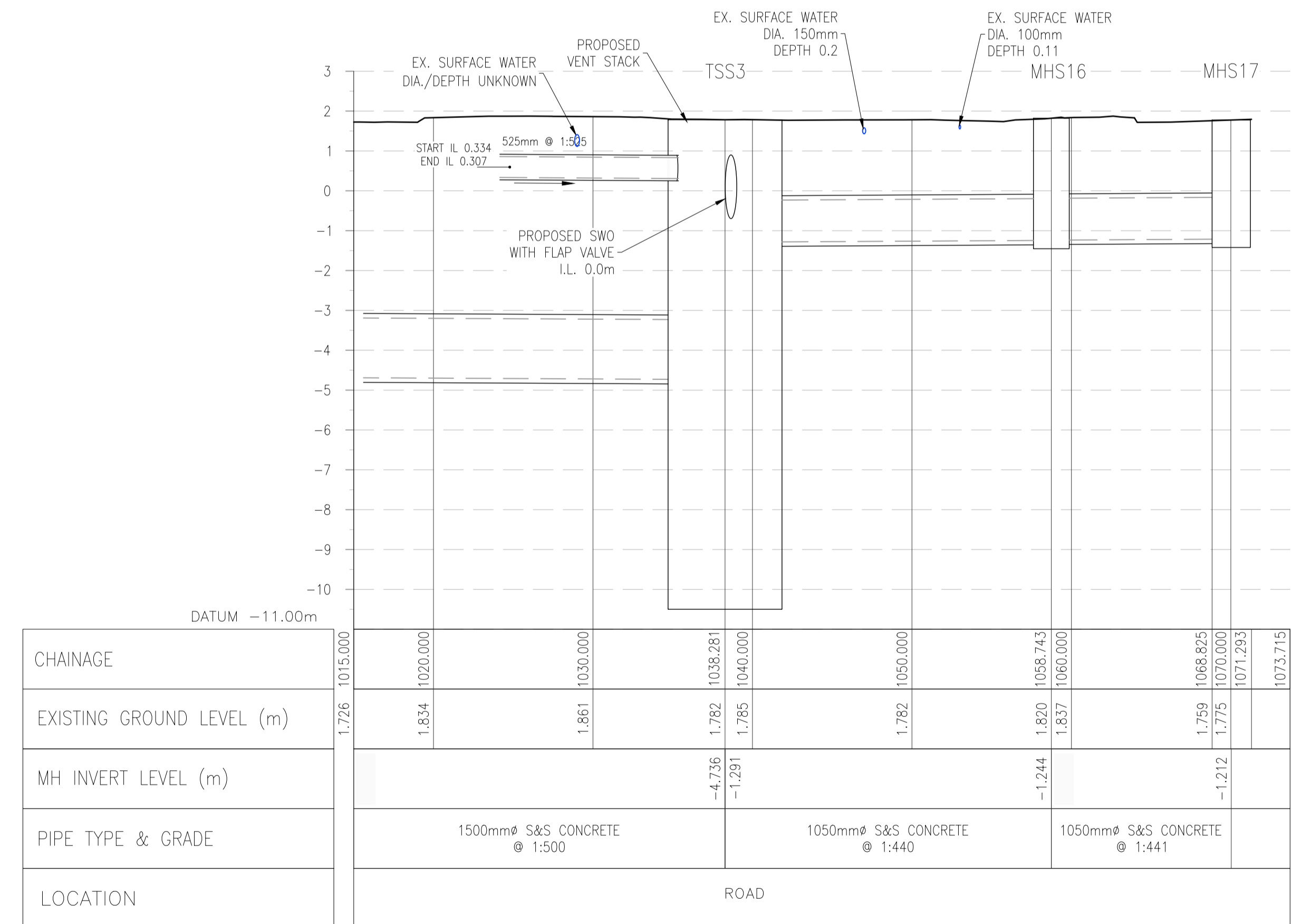
Issue
P1

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- NOTES:**
- FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

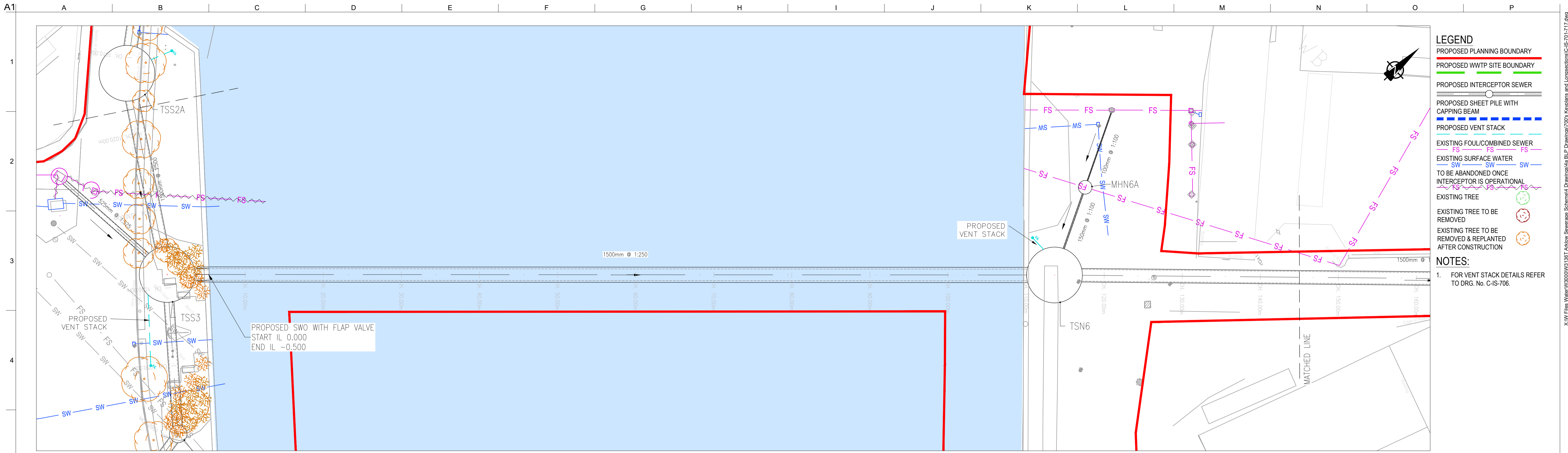
LOCATION PLAN
SCALE: 1:250 @ A1



SOUTHERN INTERCEPTOR – LONGSECTION CH. 1015-1067M SCALE: H 1:250, V 1:100.

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	<p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>LAYOUT PLAN & LONGITUDINAL SECTION 8 OF 16</p> <p>Drawing Status</p> <p>PLANNING</p> <table border="1" style="width: 100%; font-size: small;"> <tr> <td>Job No</td> <td>Drawing No</td> <td>Issue</td> </tr> <tr> <td>247825-00</td> <td>C-IS-708</td> <td>P1</td> </tr> </table>	Job No	Drawing No	Issue	247825-00	C-IS-708	P1
Job No	Drawing No	Issue									
247825-00	C-IS-708	P1									

Do not scale © Arup

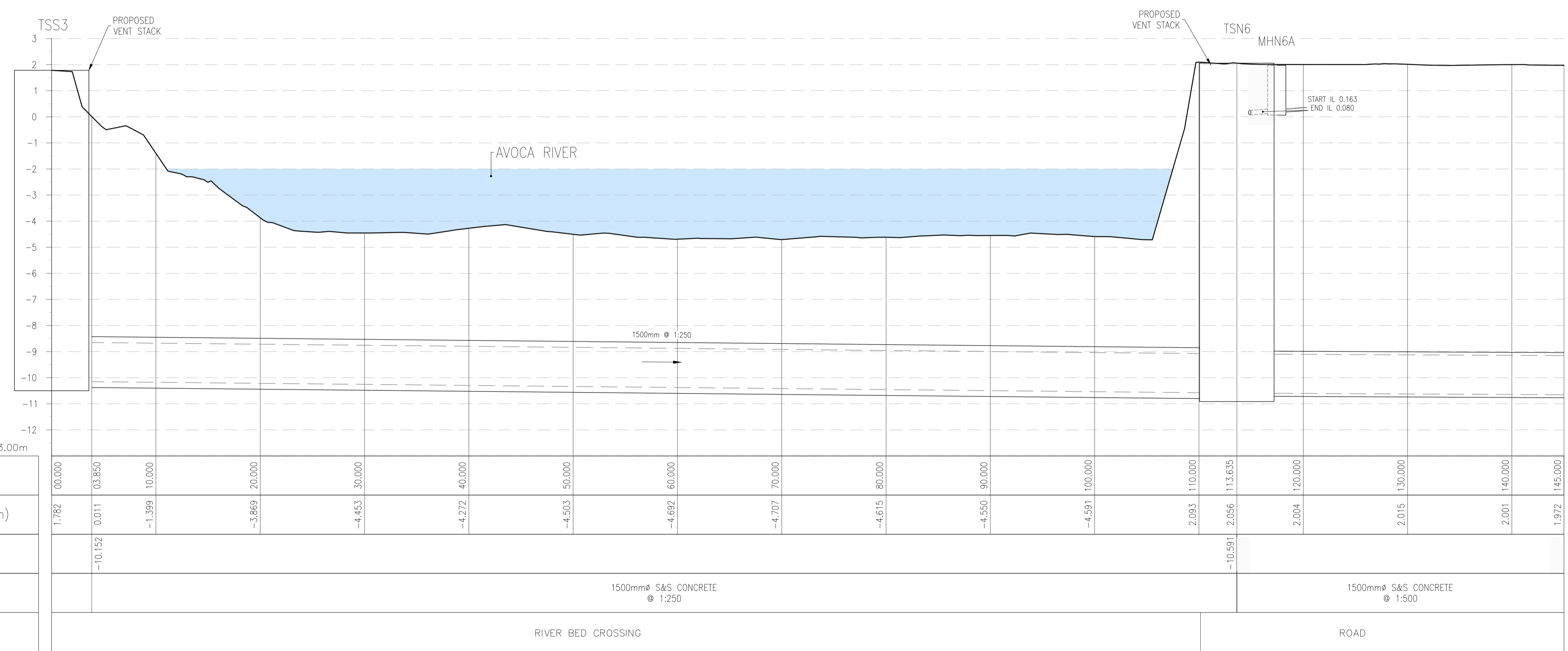


- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

NOTES:

- FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

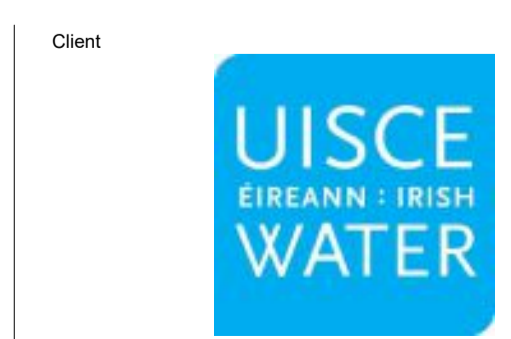
LOCATION PLAN
SCALE: 1:250 @ A1



SOUTHERN INTERCEPTOR TO WWTW CH. 0-145M - LONGSECTION SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
AS SHOWN

Scale at A1
AS SHOWN

Discipline
CIVIL



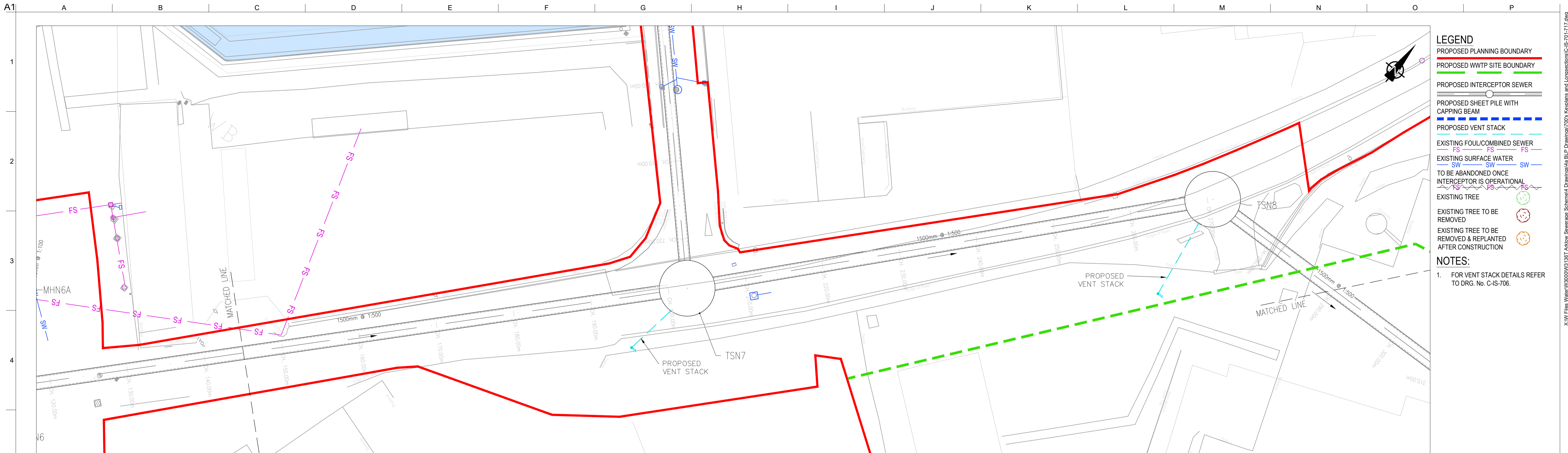
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 9 OF 16

Drawing Status
PLANNING

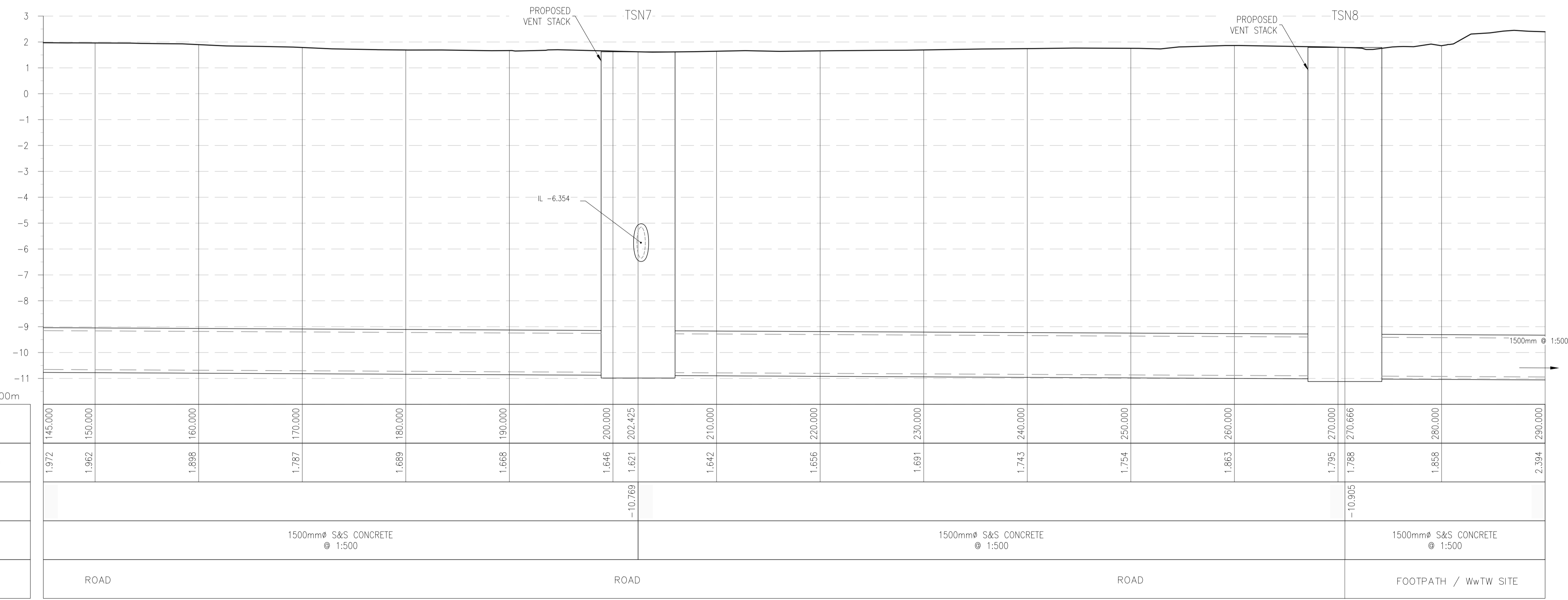
Job No
247825-00

Drawing No
C-IS-709

Issue
P1



LOCATION PLAN
SCALE: 1:250 @ A1



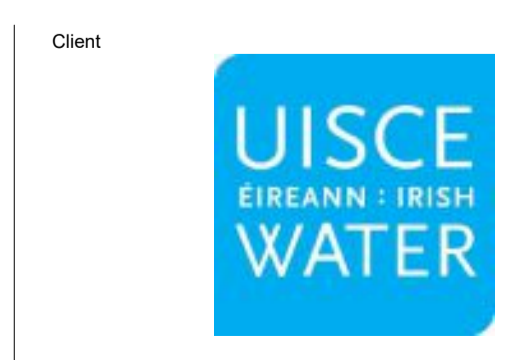
SOUTHERN INTERCEPTOR TO WWTW CH. 145-290M - LONGSECTION SCALE: H 1:250,V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

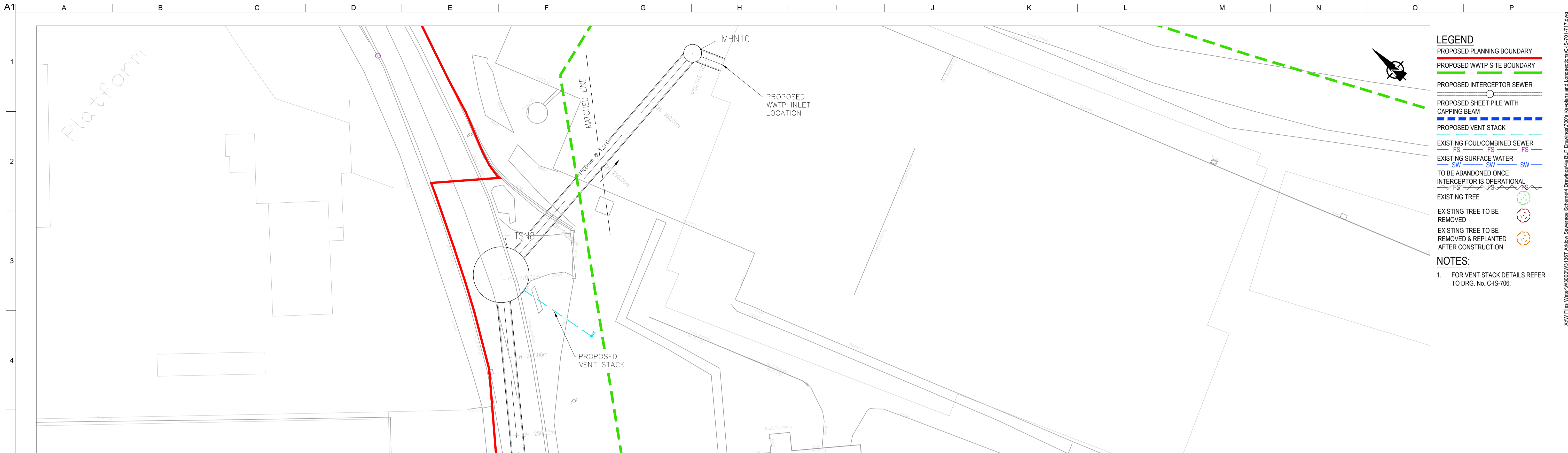
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 10 OF 16

Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-710

Issue
P1

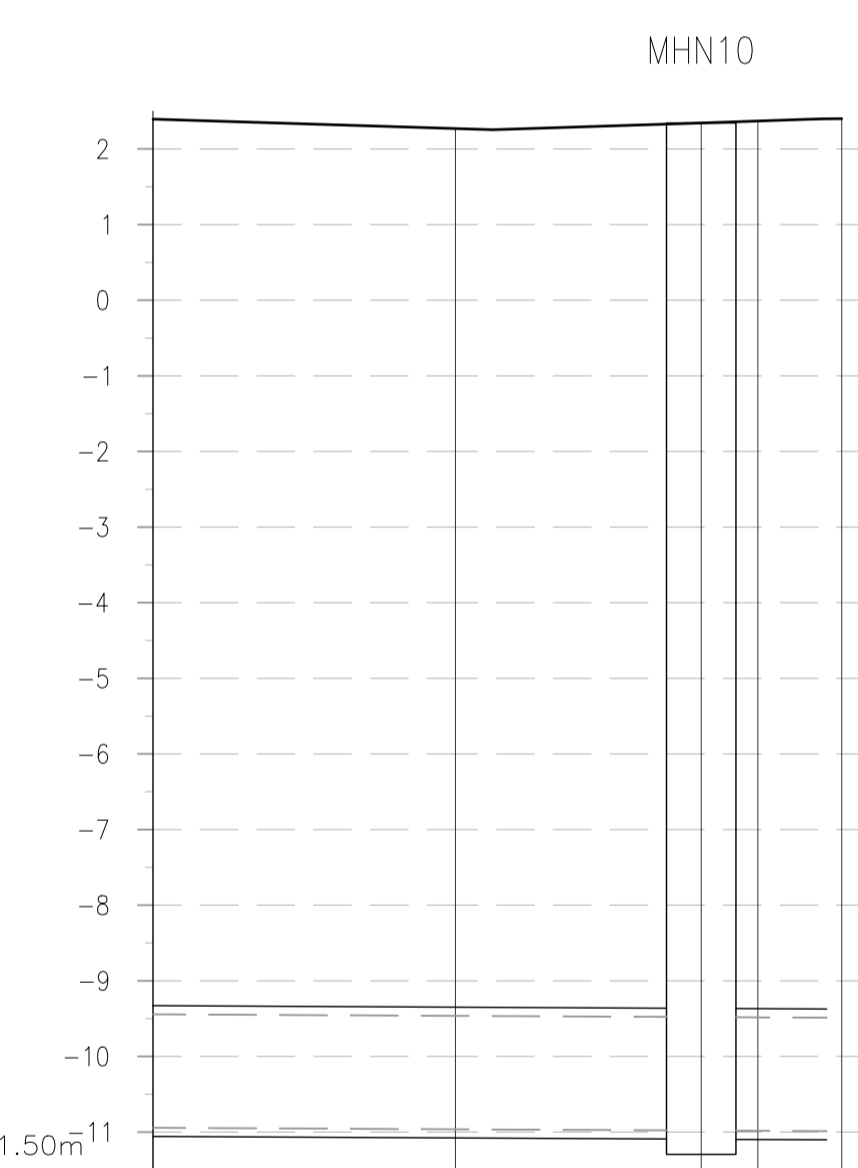


- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTW SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

NOTES:

1. FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

LOCATION PLAN
SCALE: 1:250 @ A1

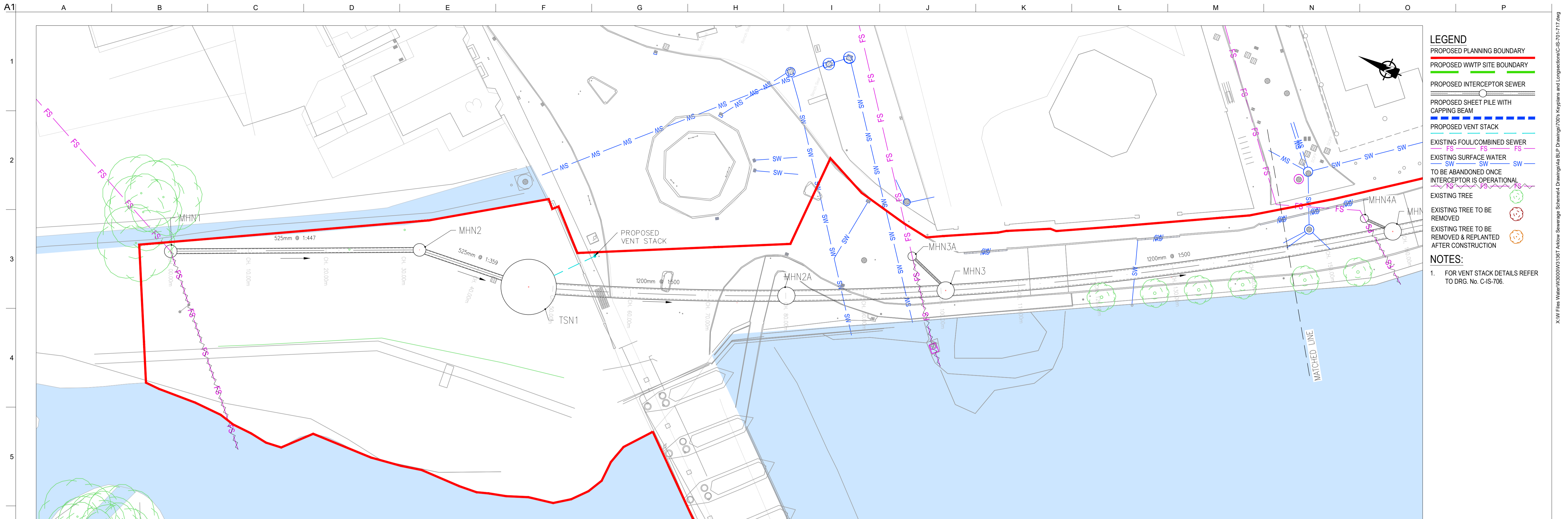


DATUM -11.50m¹¹

CHAINAGE	290.000	300.000	308.128	310.000	312.775
EXISTING GROUND LEVEL (m)	2.394	2.270	2.343	2.370	2.400
MH INVERT LEVEL (m)			-10.980	-10.980	-10.988
PIPE TYPE & GRADE	1500mm \emptyset S&S CONCRETE @ 1:500		1500mm \emptyset S&S CONCRETE @ 1:500		
LOCATION	FOOTPATH / WwTW SITE				

SOUTHERN INTERCEPTOR TO WWTW CH. 290-313M - LONGSECTION SCALE: H 1:250, V 1:100.

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	<p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>LAYOUT PLAN & LONGITUDINAL SECTION 11 OF 16</p> <p>Drawing Status</p> <p>PLANNING</p> <table border="0" style="width: 100%;"> <tr> <td>Job No</td> <td>Drawing No</td> <td>Issue</td> </tr> <tr> <td>247825-00</td> <td>C-IS-711</td> <td>P1</td> </tr> </table>	Job No	Drawing No	Issue	247825-00	C-IS-711	P1
Job No	Drawing No	Issue									
247825-00	C-IS-711	P1									

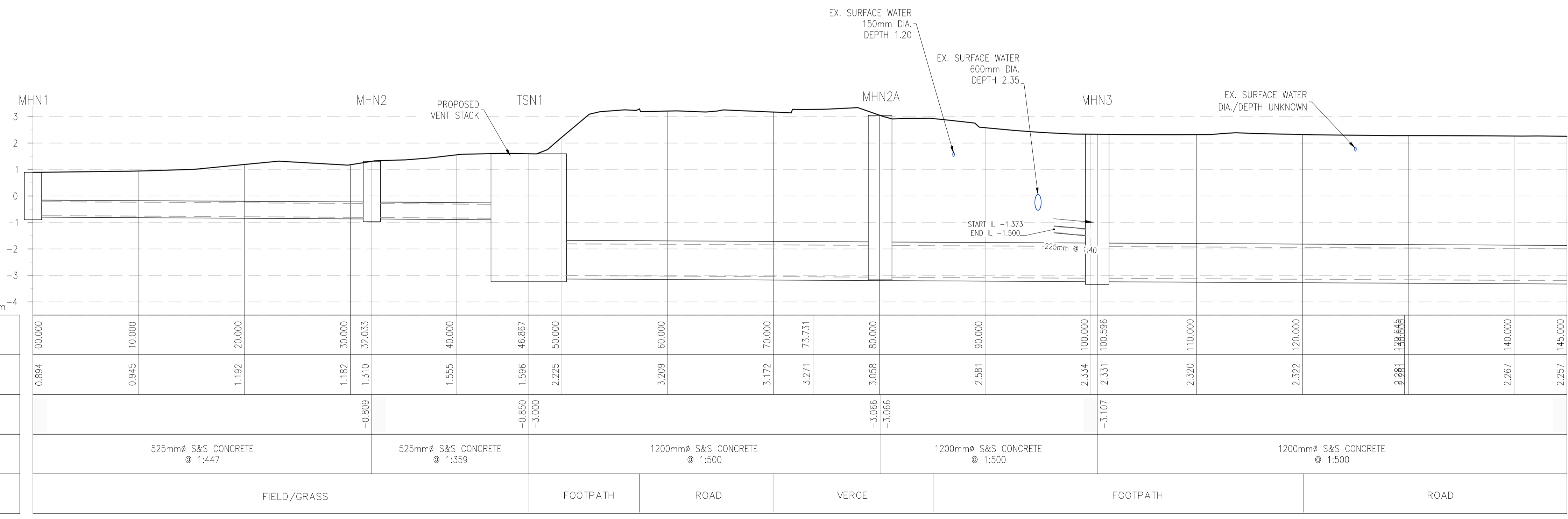


- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

NOTES:

- FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

LOCATION PLAN
SCALE: 1:250 @ A1



CHAINAGE	00.000	10.000	20.000	30.000	32.033	40.000	46.867	50.000	60.000	70.000	73.731	80.000	90.000	100.000	100.596	110.000	120.000	138.645	140.000	145.000
EXISTING GROUND LEVEL (m)	0.894	0.945	1.192	1.182	1.310	1.555	1.596	2.275	3.209	3.172	3.271	3.058	2.581	2.334	2.331	2.320	2.322	2.281	2.267	2.257
MH INVERT LEVEL (m)				-0.809			-0.850	-3.000				-3.066	-3.066		-3.107					
PIPE TYPE & GRADE	525mm S&S CONCRETE @ 1:447				525mm S&S CONCRETE @ 1:359		1200mm S&S CONCRETE @ 1:500			1200mm S&S CONCRETE @ 1:500			1200mm S&S CONCRETE @ 1:500							
LOCATION	FIELD/GRASS						FOOTPATH		ROAD		VERGE		FOOTPATH		ROAD					

NORTHERN INTERCEPTOR CH. 0-145M - LONGSECTION SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

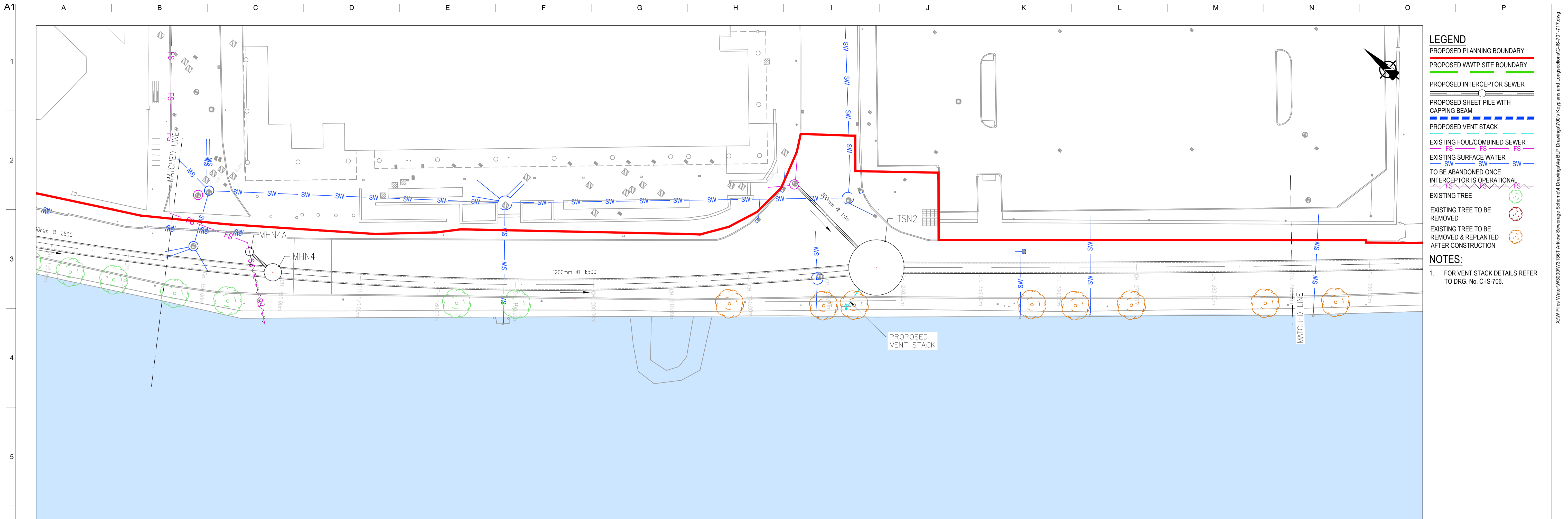
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 12 OF 16

Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-712

Issue
P1

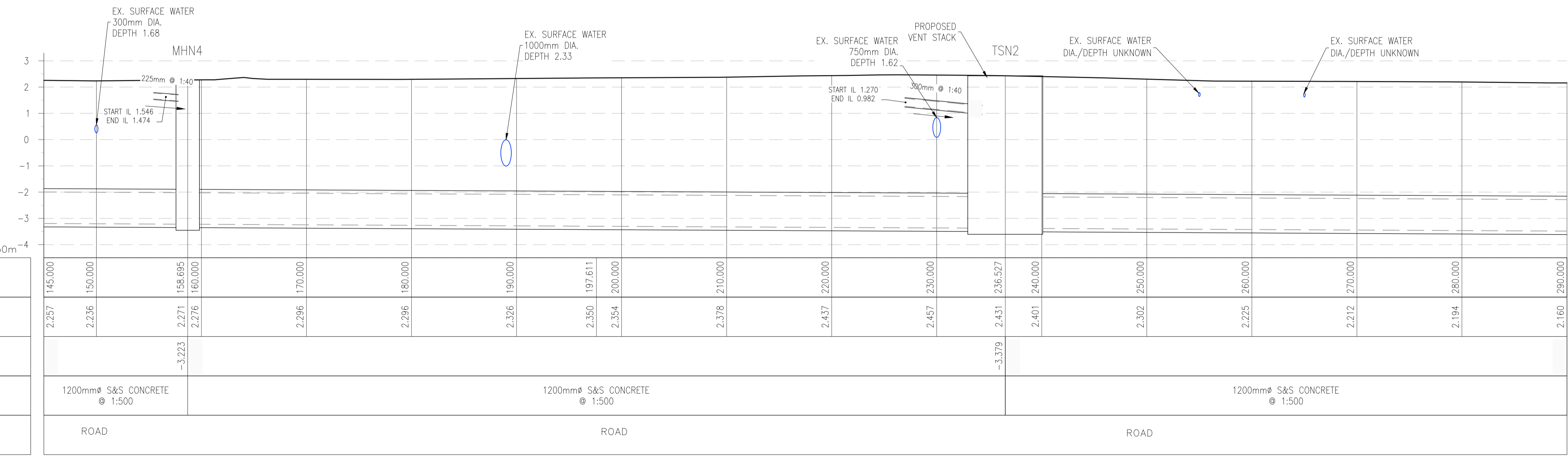


- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

NOTES:

- FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

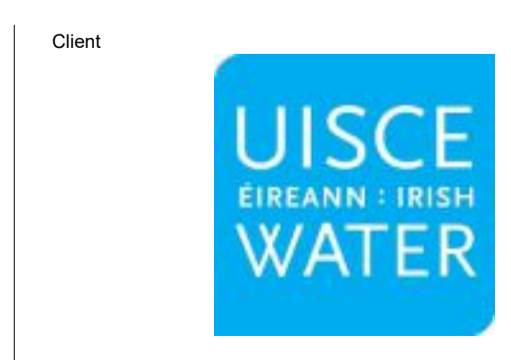
LOCATION PLAN
SCALE: 1:250 @ A1



NORTHERN INTERCEPTOR CH. 145-290M - LONGSECTION SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline CIVIL

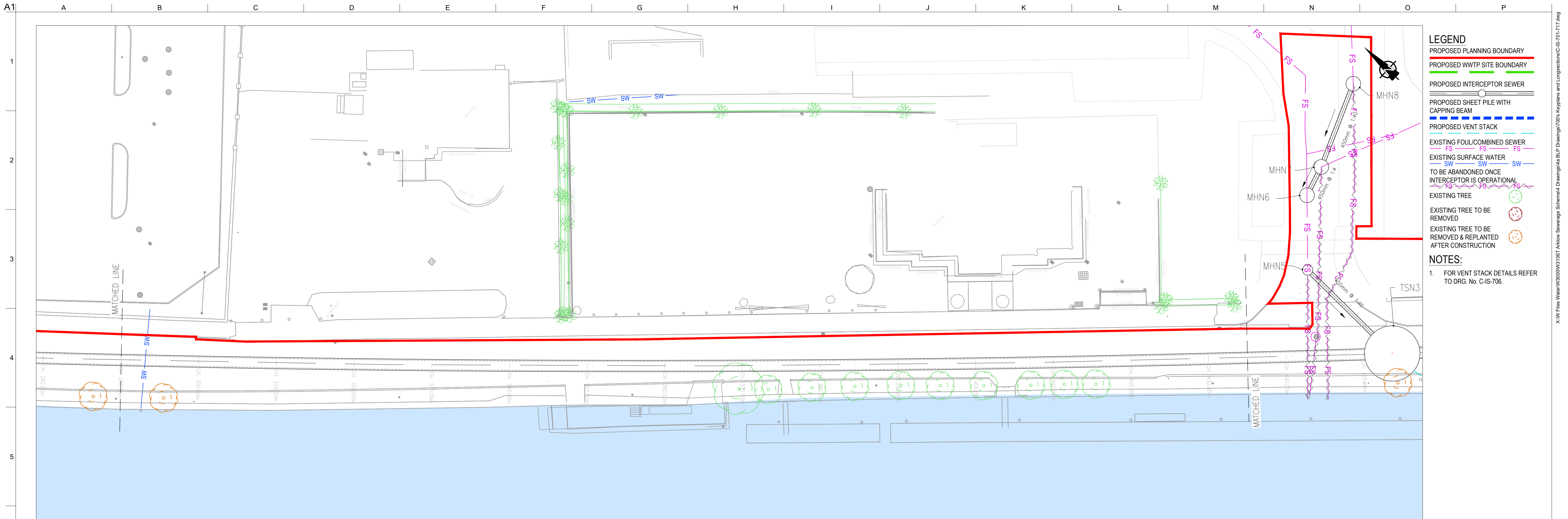
ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION
13 OF 16

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-713 Issue P1

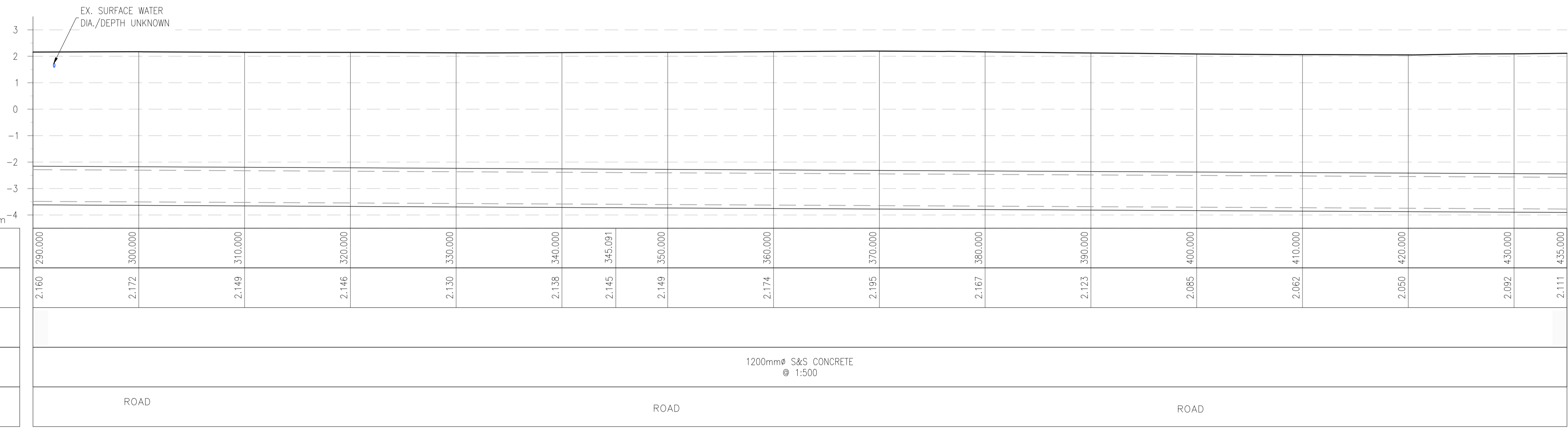


- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

NOTES:

- FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

LOCATION PLAN
SCALE: 1:250 @ A1



NORTHERN INTERCEPTOR CH. 290-435M - LONGSECTION SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

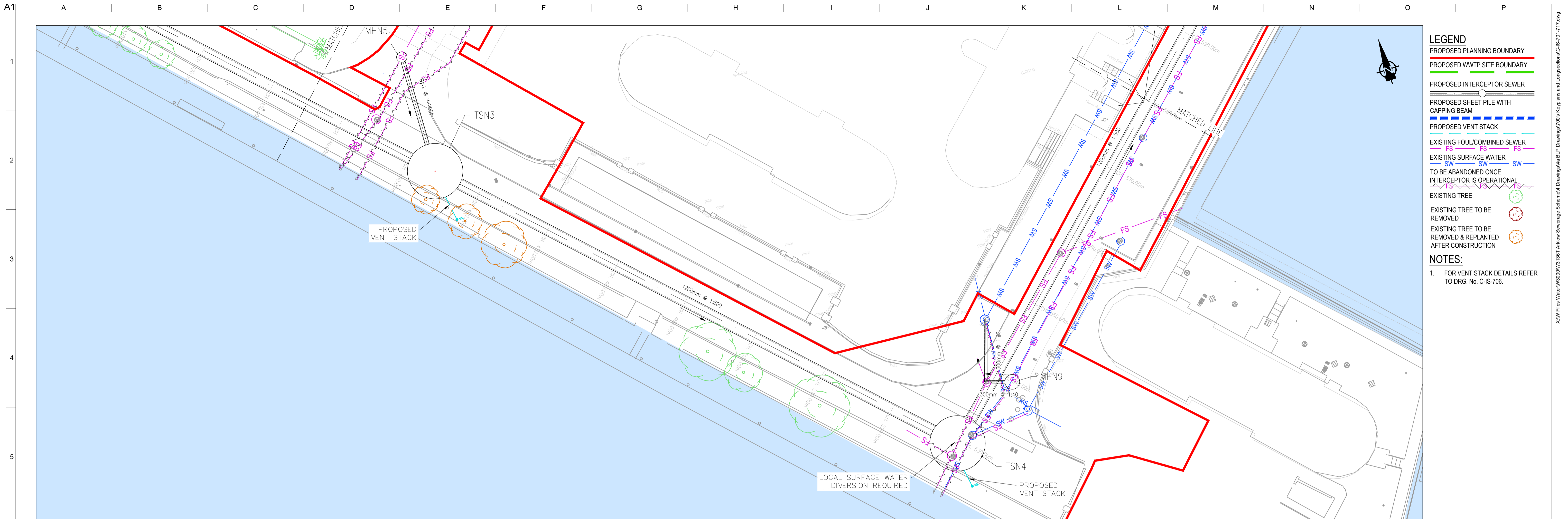
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION
14 OF 16

Drawing Status
PLANNING

Job No
247825-00

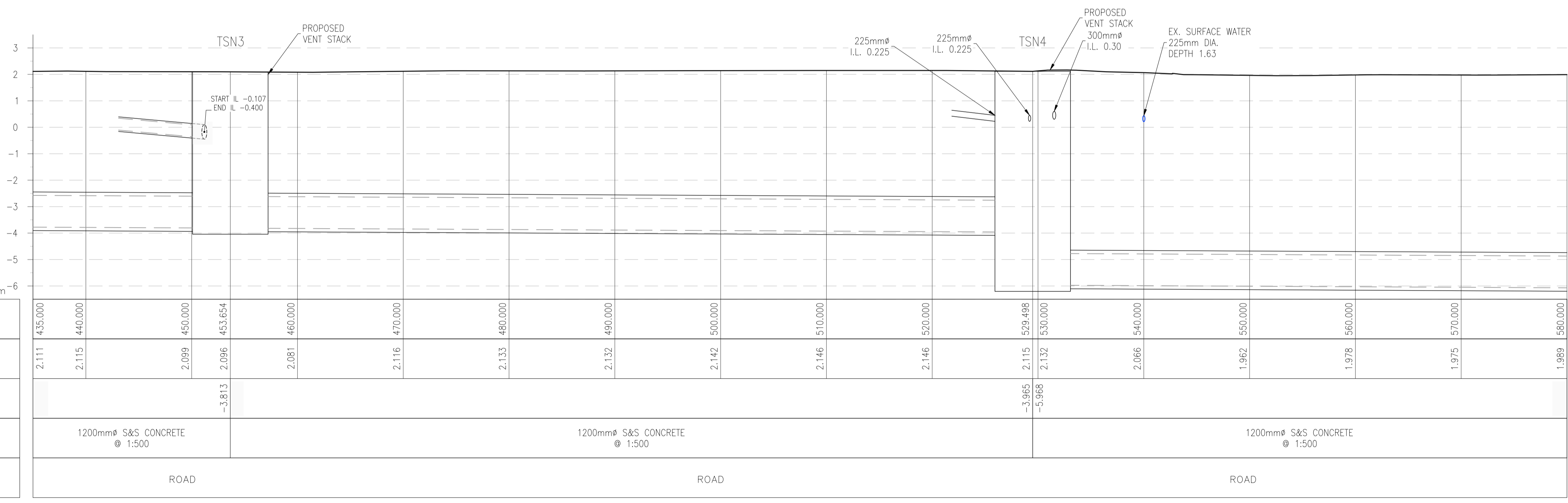
Drawing No
C-IS-714

Issue
P1



- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- NOTES:**
- FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

LOCATION PLAN
SCALE: 1:250 @ A1

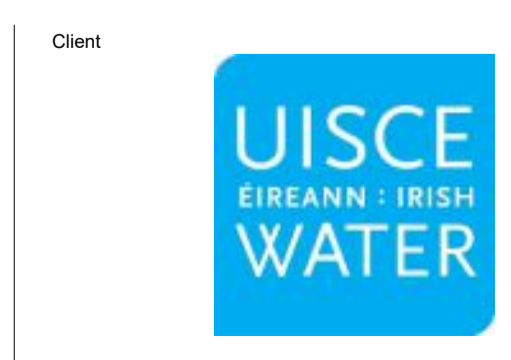


NORTHERN INTERCEPTOR CH. 435-580M - LONGSECTION SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

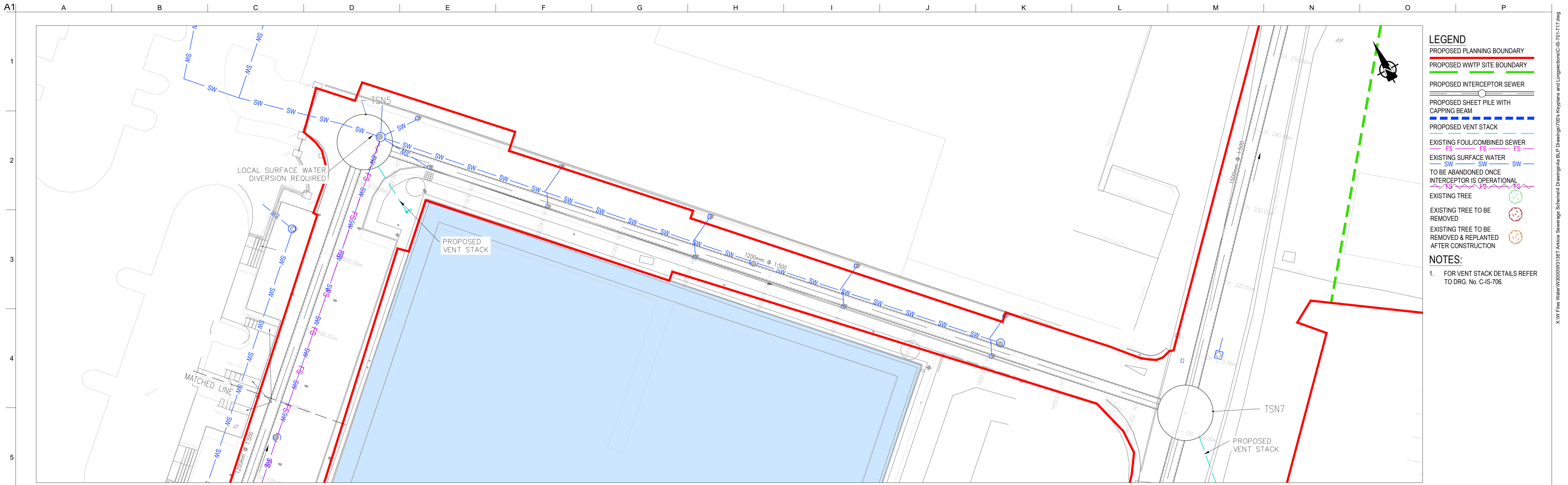
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 15 OF 16

Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-715

Issue
P1

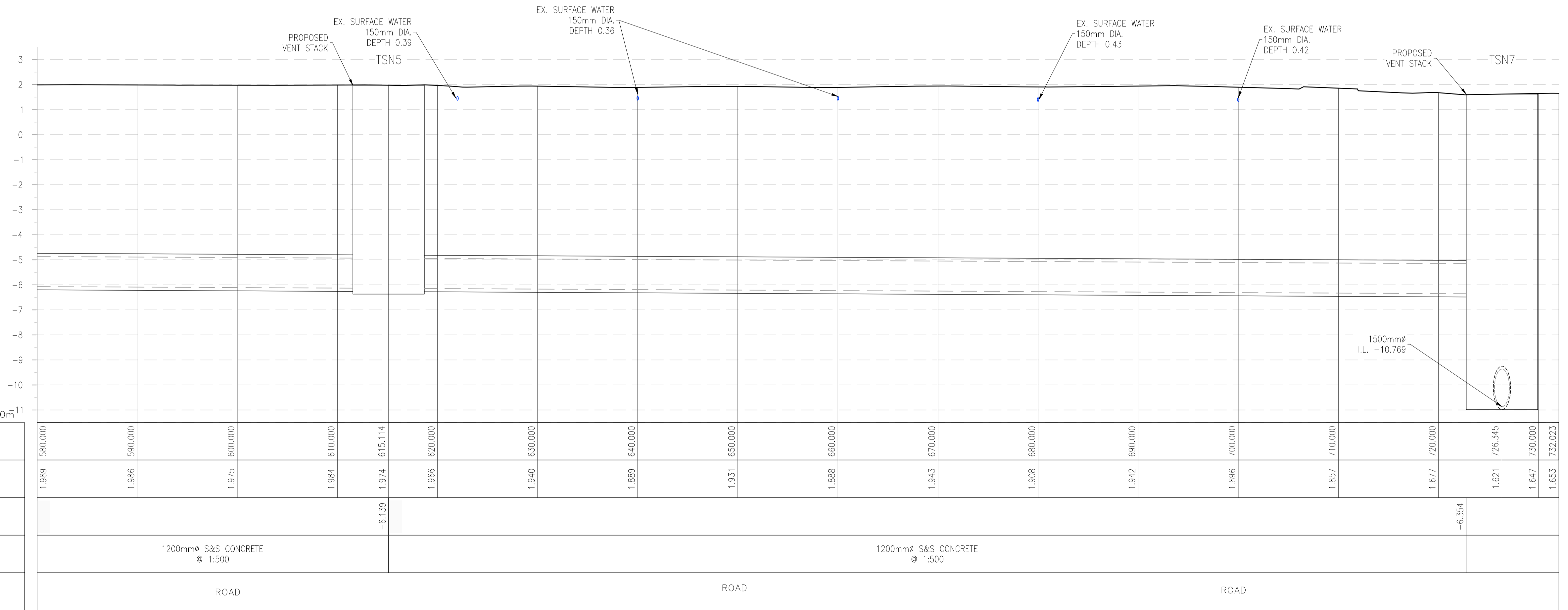


- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

NOTES:

1. FOR VENT STACK DETAILS REFER TO DRG. No. C-IS-706.

LOCATION PLAN
SCALE: 1:250 @ A1



NORTHERN INTERCEPTOR CH. 580-724M - LONGSECTION SCALE: H 1:250, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

CLANCY MOORE ARCHITECTS

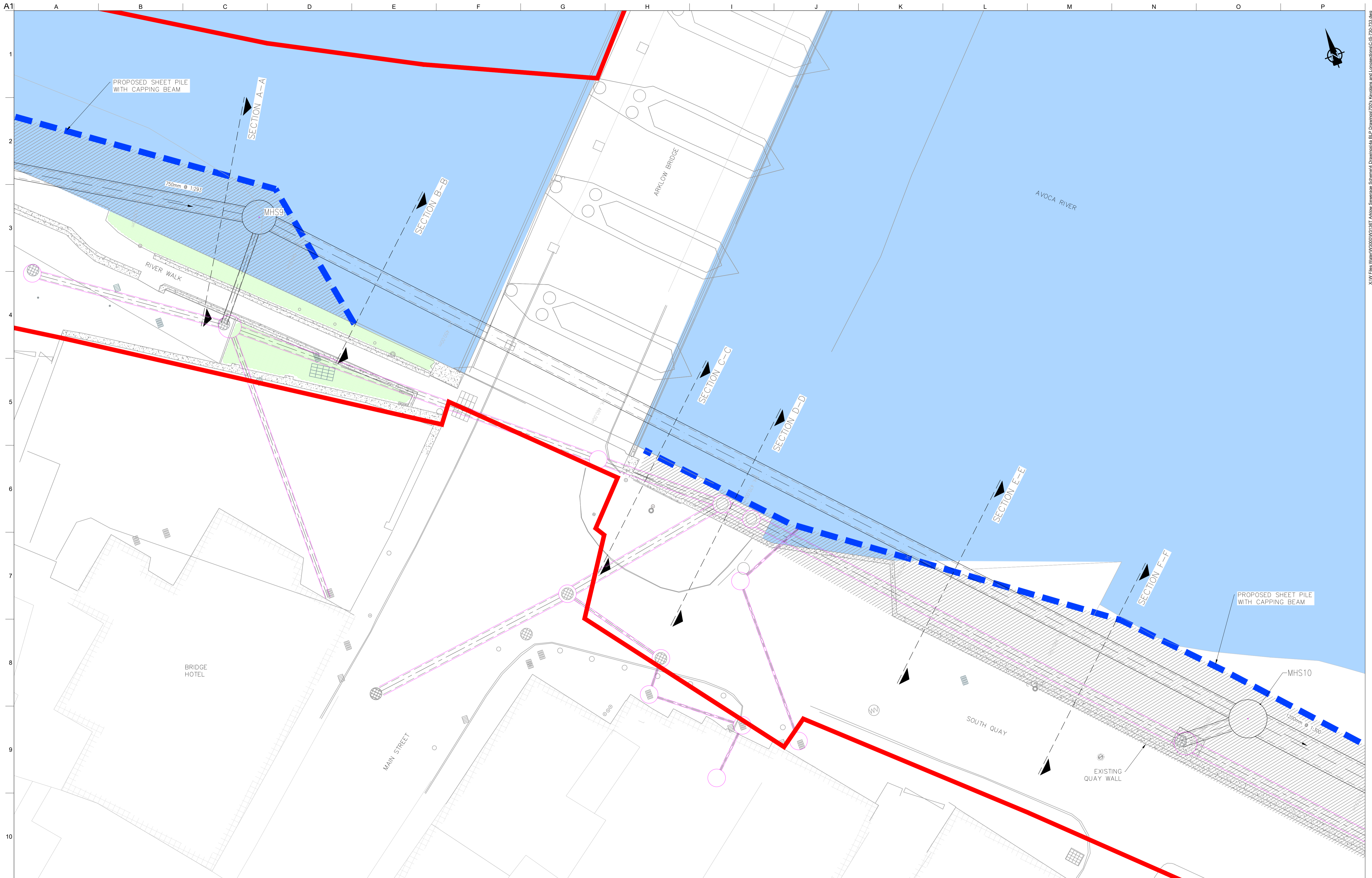
Drawing Title
LAYOUT PLAN & LONGITUDINAL SECTION 16 OF 16

Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-716

Issue
P1



LEGEND
 PROPOSED PLANNING BOUNDARY
 PROPOSED INTERCEPTOR SEWER
 PROPOSED SHEET PILE WITH CAPPING BEAM
 RECLAIMED LAND

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



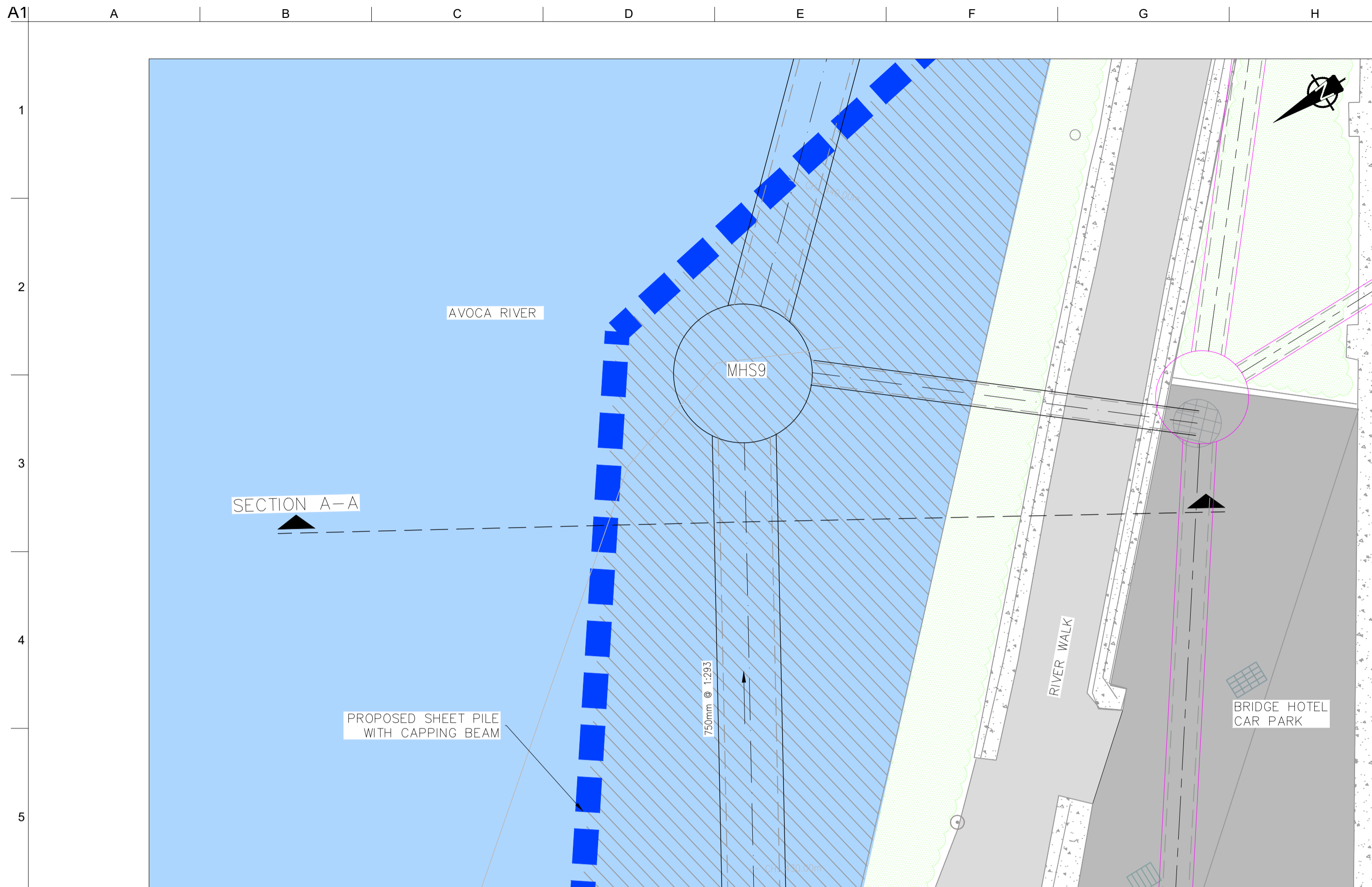
Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



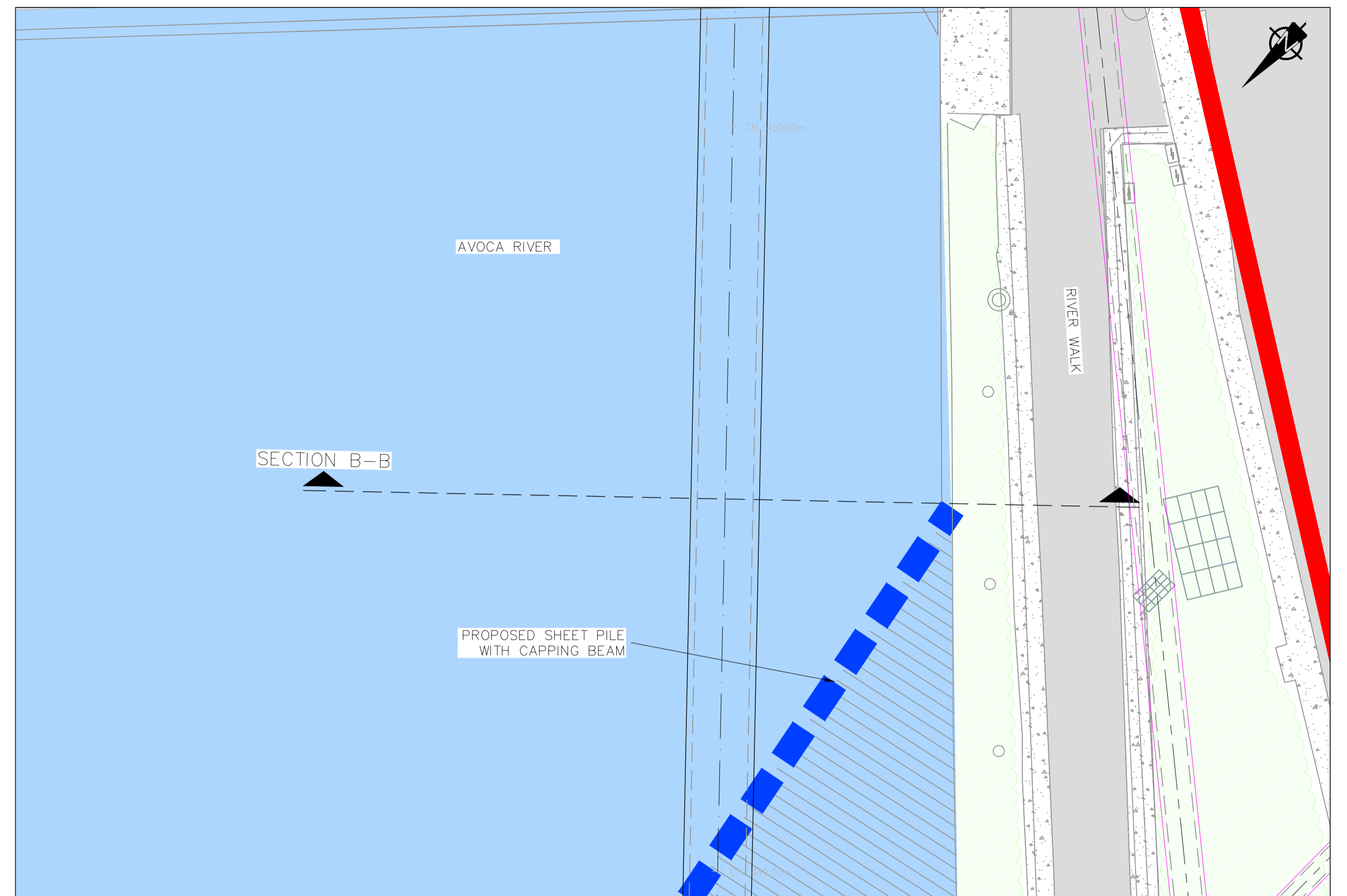
Client
UISCE ÉIREANN: IRISH WATER
 Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1 AS SHOWN
 Discipline CIVIL



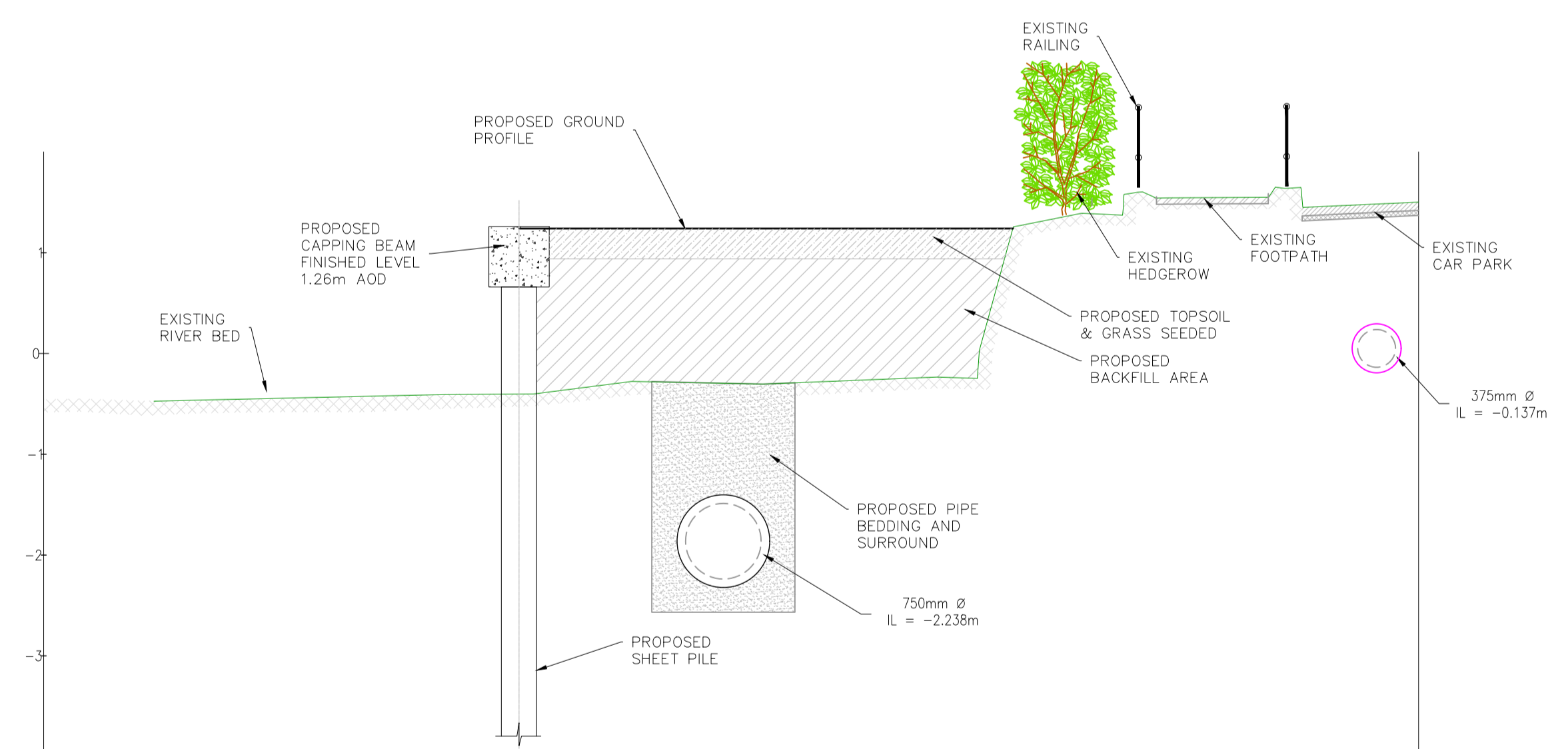
Drawing Title
AVOCA RIVER SECTIONS LAYOUT PLAN 1 OF 4
 Drawing Status
PLANNING
 Job No 247825-00 Drawing No C-IS-730 Issue P1



SECTION A-A – PLAN
SCALE 1:50

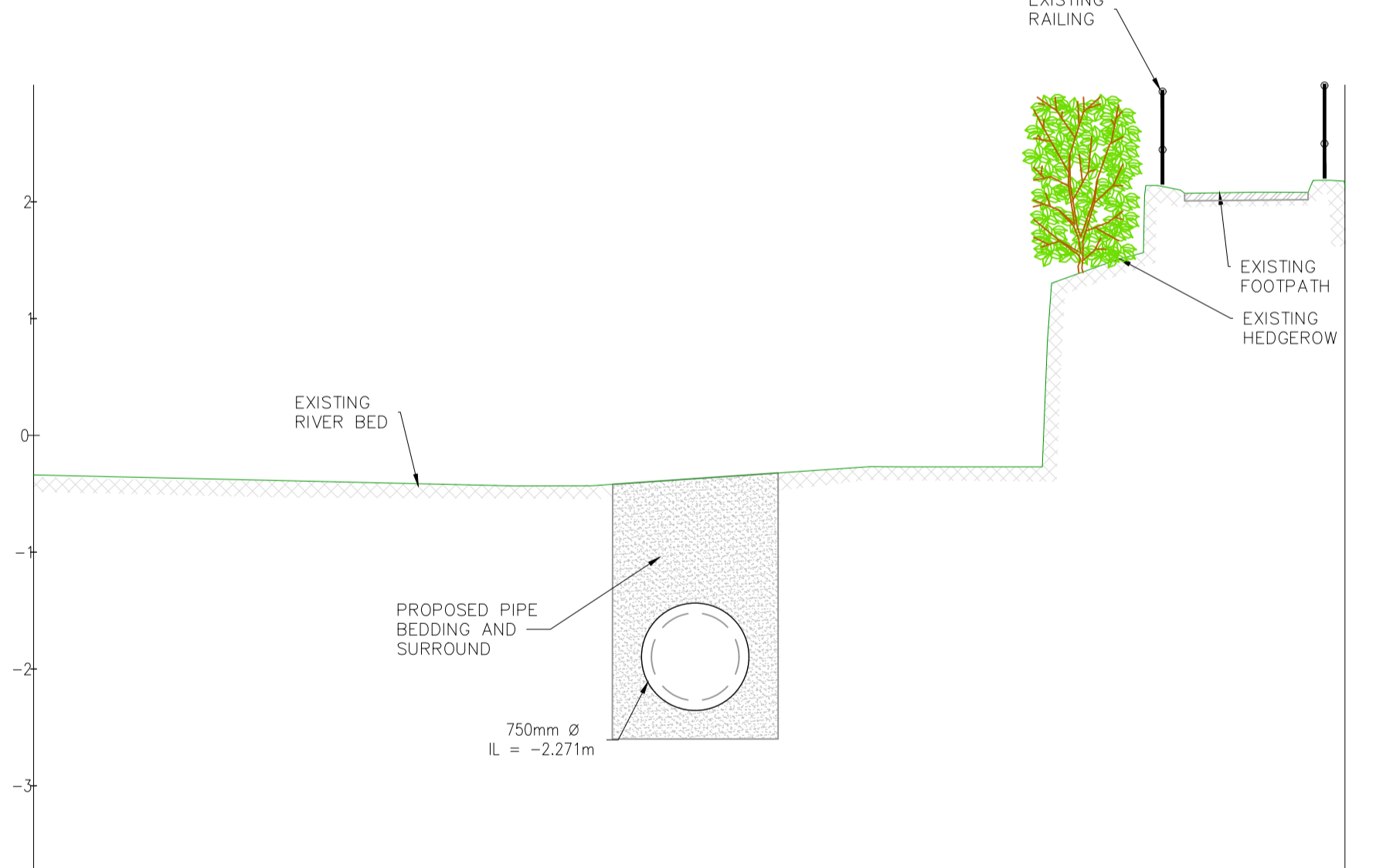


SECTION B-B – PLAN
SCALE 1:50



OFFSET	-6.75	-6.00	-5.65	-5.00	-4.00	-3.00	-2.00	-1.00	0	1.00	2.00	3.00	4.00	5.00	6.00	6.90
EXISTING ELEVATIONS		-0.473	-0.458	-0.435	-0.412	-0.403	-0.289	-0.295	-0.279	1.00	2.00	1.281	1.582	1.548	1.461	1.502
PROPOSED ELEVATIONS						1.240	1.240	1.240	1.240	1.240	1.240	1.240				

SECTION A-A
SCALE 1:50



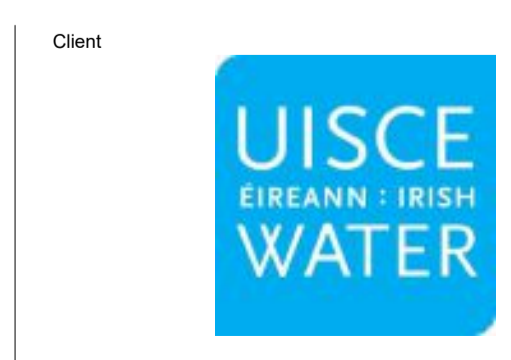
OFFSET	-5.66	-5.00	-4.00	-3.00	-2.00	-1.00	0	1.00	2.00	3.00	4.00	5.00	5.56
EXISTING ELEVATIONS	-0.338	-0.351	-0.377	-0.400	-0.423	-0.432	-0.371	-0.302	-0.270	0.439	2.132	2.081	2.119
PROPOSED ELEVATIONS													

SECTION B-B
SCALE 1:50

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
UISCE ÉIREANN: IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNE LOOBY
CLANCY MOORE ARCHITECTS

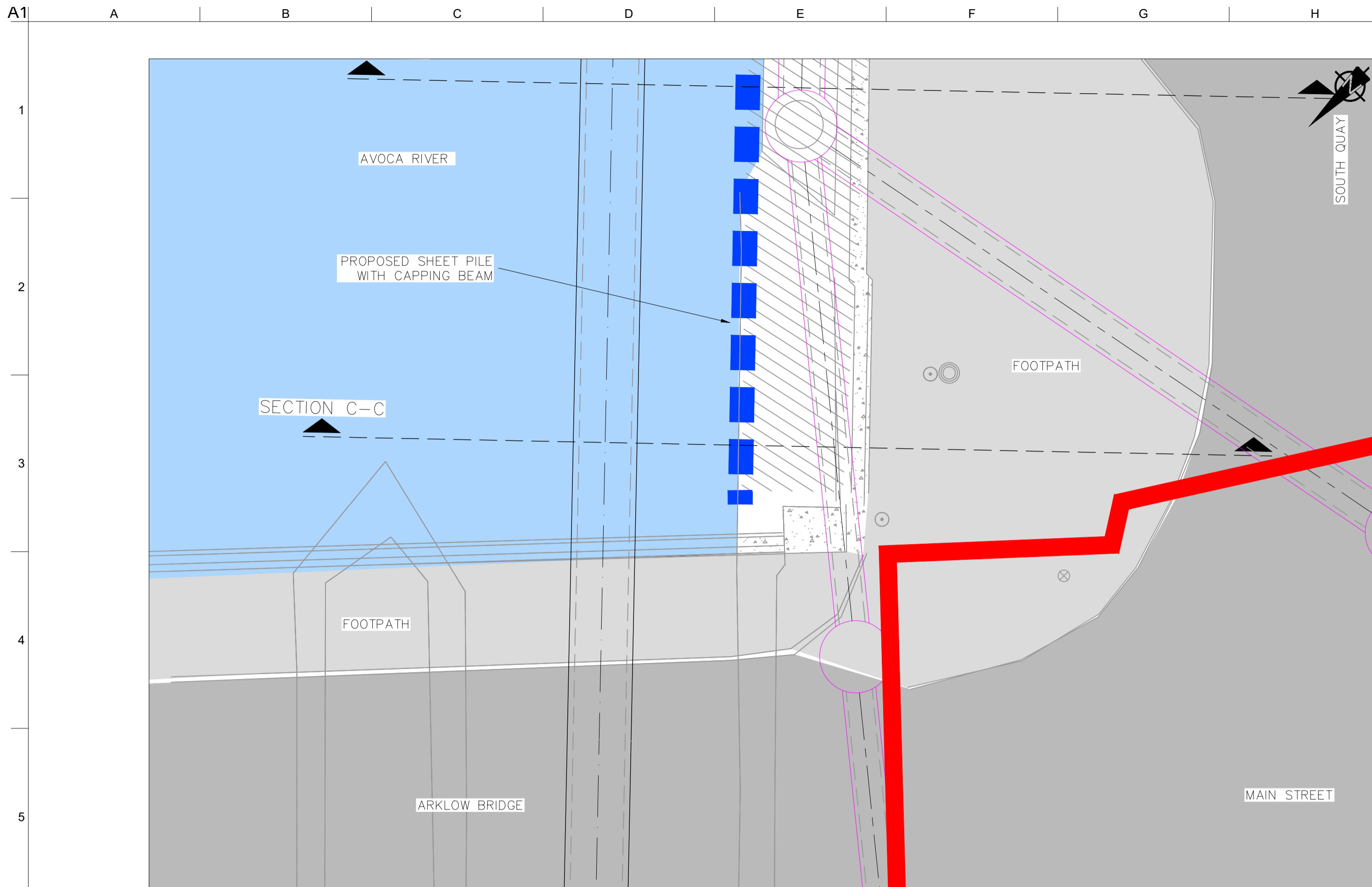
Drawing Title
AVOCA RIVER SECTIONS SECTION A-A & B-B 2 OF 4

Drawing Status
PLANNING

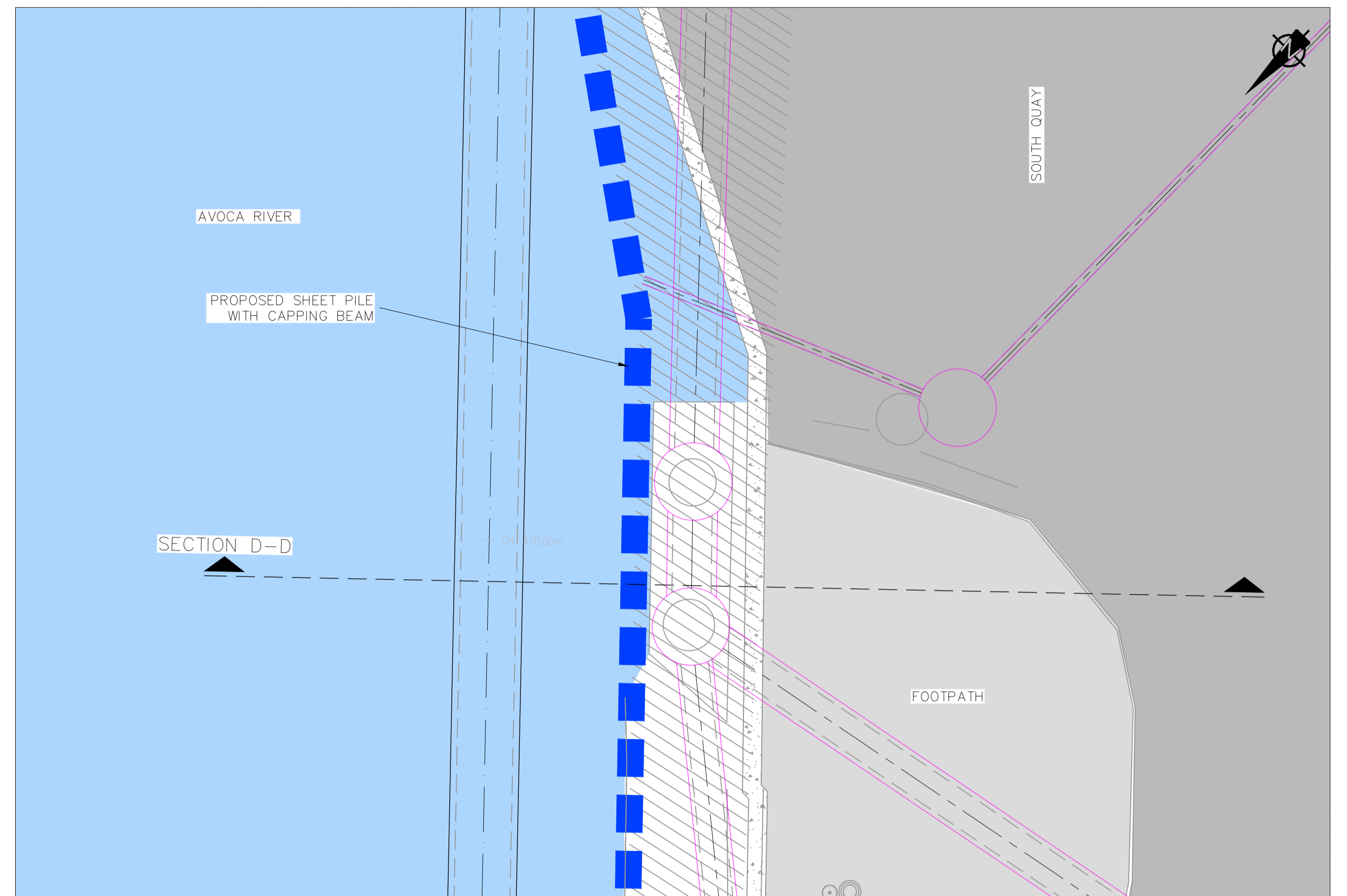
Job No
247825-00

Drawing No
C-IS-731

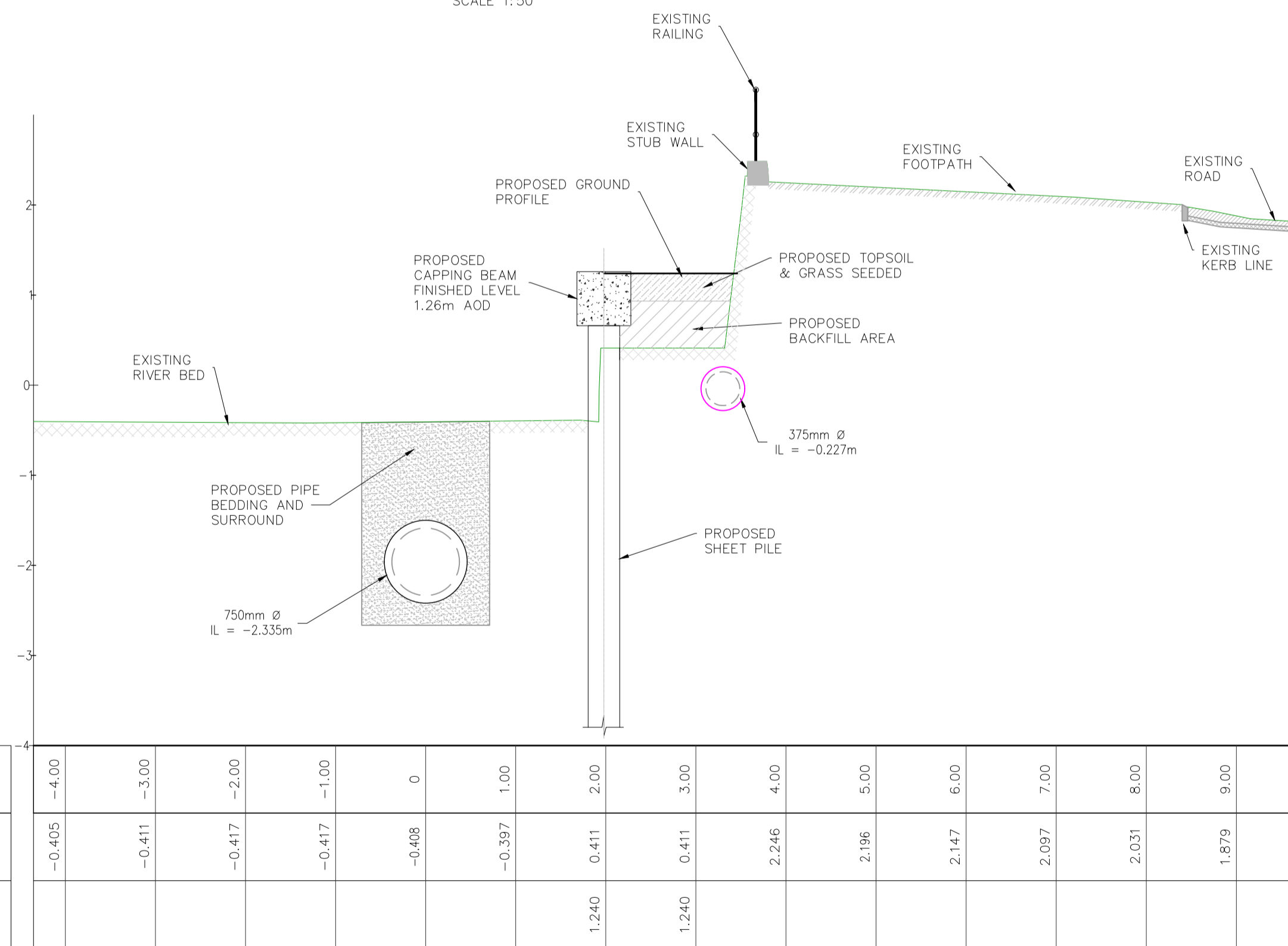
Issue
P1



SECTION C-C - PLAN
SCALE 1:50

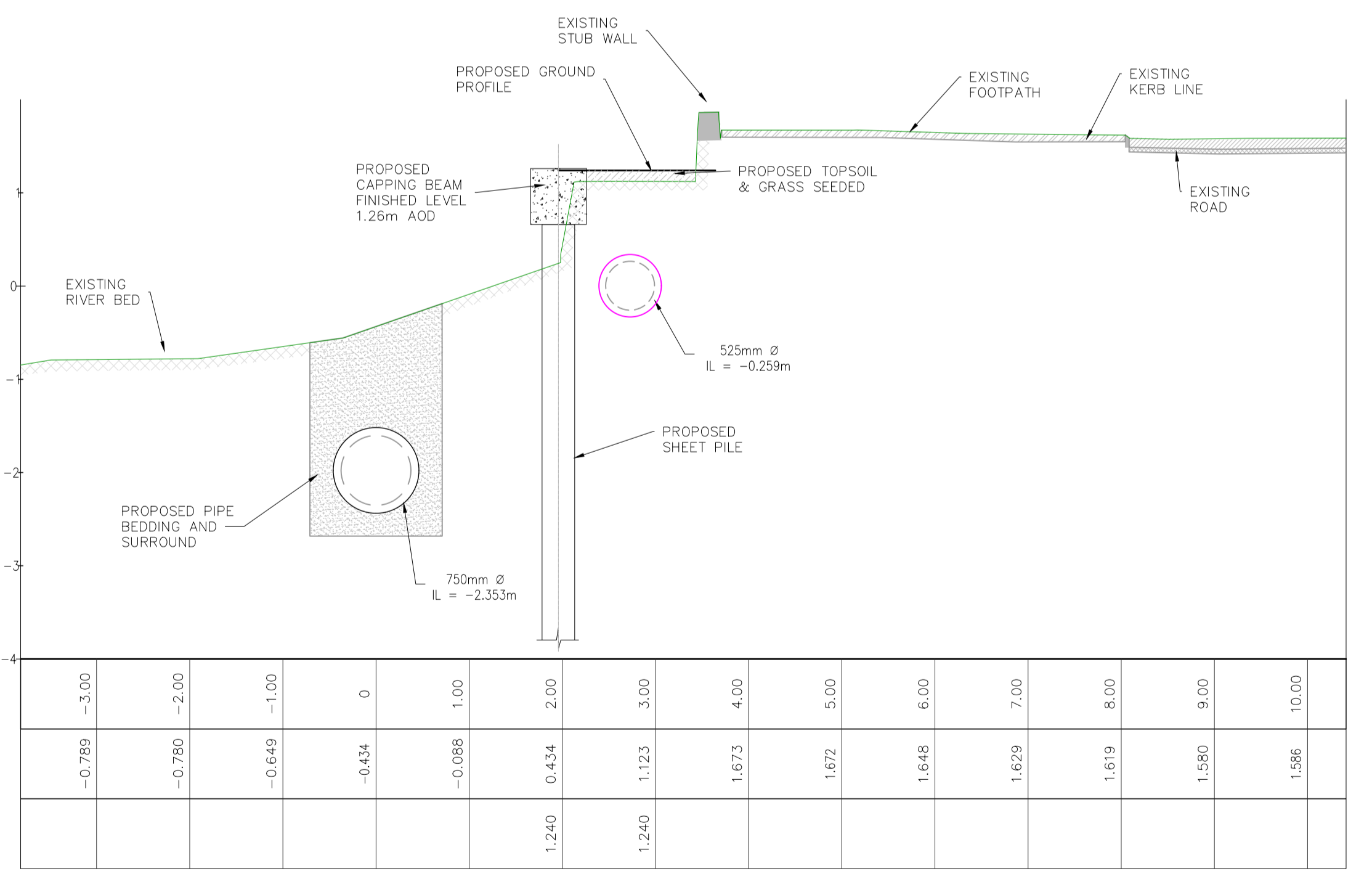


SECTION D-D - PLAN
SCALE 1:50



SECTION C-C
SCALE 1:50

OFFSET	-4.00	-3.00	-2.00	-1.00	0	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00
EXISTING ELEVATIONS	-0.405	-0.411	-0.417	-0.417	-0.408	-0.397	0.411	0.411	2.246	2.196	2.147	2.097	2.031	1.879
PROPOSED ELEVATIONS							1.240	1.240						



SECTION D-D
SCALE 1:50

OFFSET	-3.00	-2.00	-1.00	0	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00
EXISTING ELEVATIONS	-0.789	-0.780	-0.649	-0.434	-0.088	0.434	1.123	1.673	1.672	1.648	1.629	1.619	1.580	1.586
PROPOSED ELEVATIONS						1.240	1.240							

10

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client



Job Title
ARKLOW WASTEWATER
TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN
Discipline CIVIL

ARUP BYRNE LOOBY
CLANCY MOORE ARCHITECTS

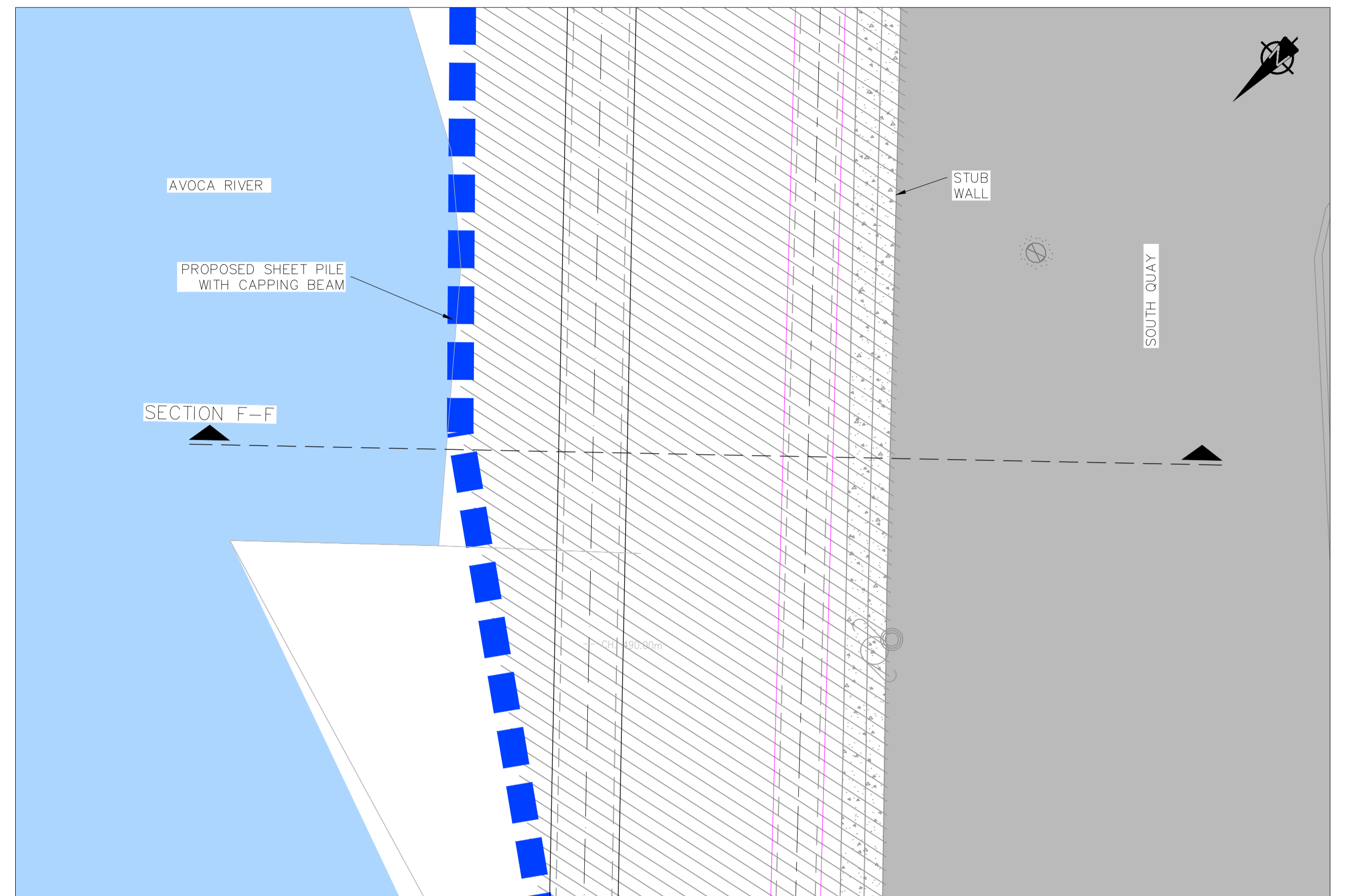
Drawing Title
AVOCA RIVER SECTIONS
SECTION C-C & D-D
3 OF 4

Drawing Status
PLANNING

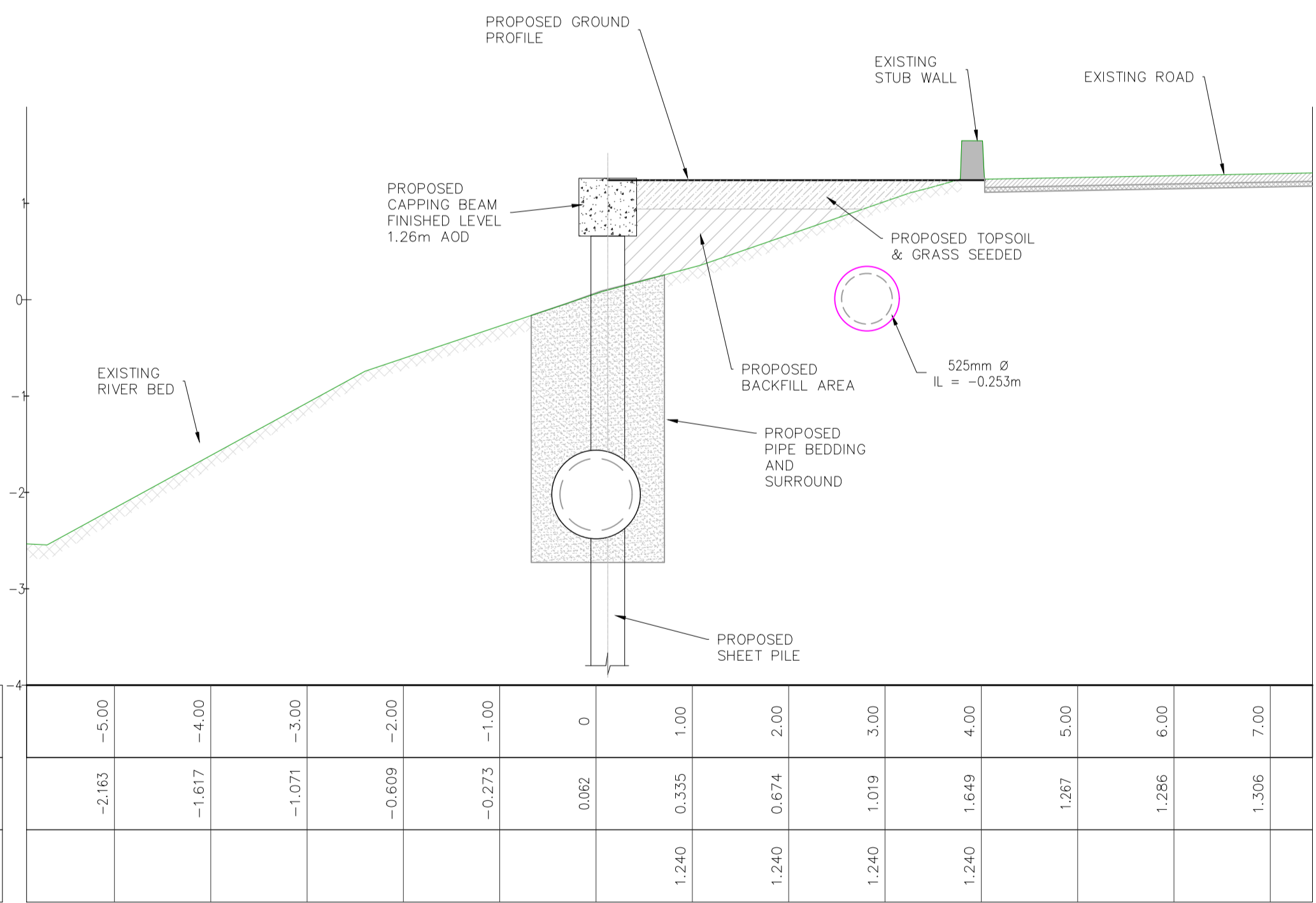
Job No	Drawing No	Issue
247825-00	C-IS-732	P1



SECTION E-E – PLAN
SCALE 1:50

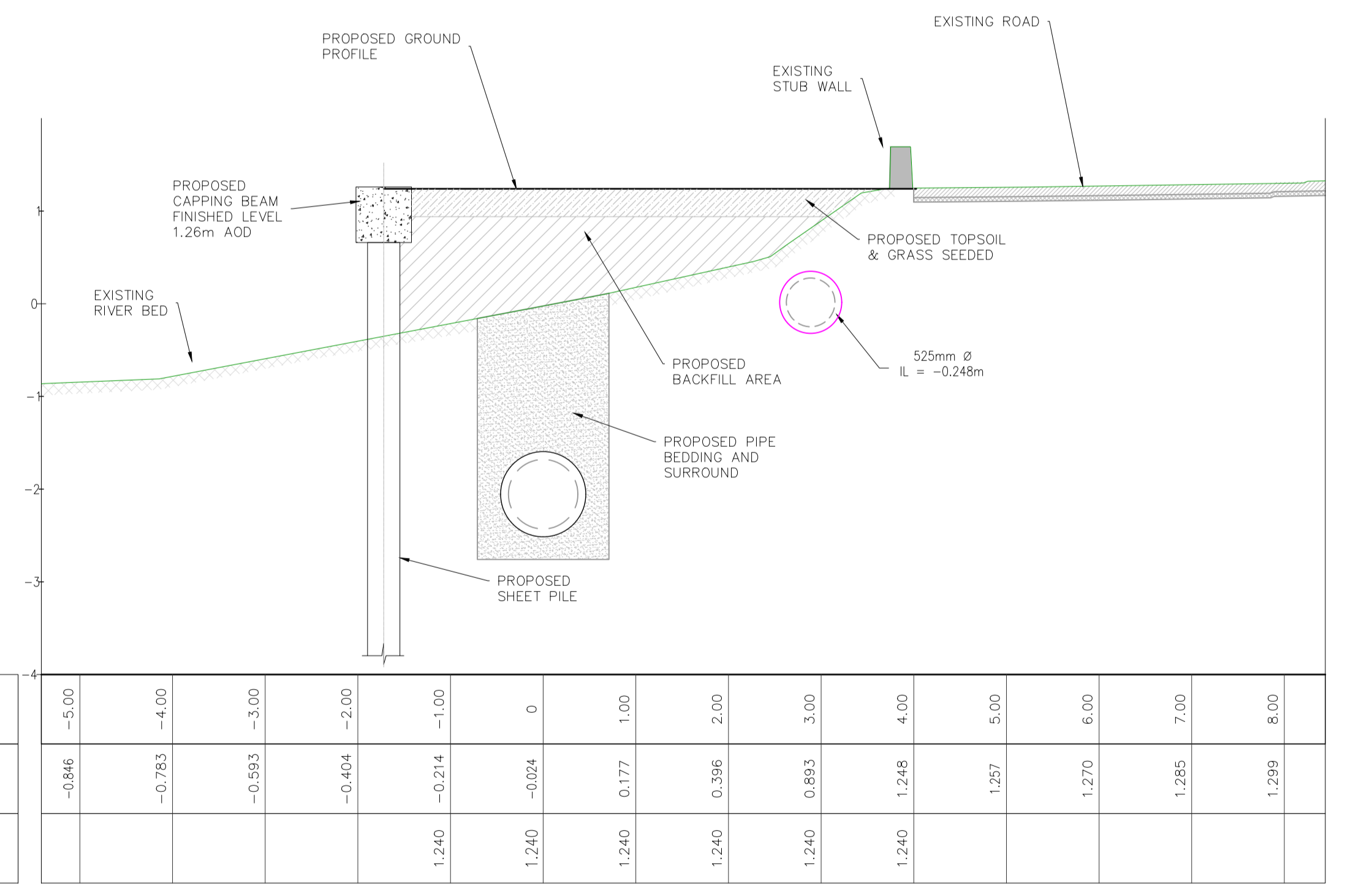


SECTION F-F – PLAN
SCALE 1:50



SECTION E-E
SCALE 1:50

OFFSET	-5.00	-4.00	-3.00	-2.00	-1.00	0	1.00	2.00	3.00	4.00	5.00	6.00	7.00
EXISTING ELEVATIONS	-2.163	-1.617	-1.071	-0.609	-0.273	0.962	0.335	0.674	1.019	1.649	1.267	1.286	1.306
PROPOSED ELEVATIONS							1.240	1.240	1.240	1.240			



SECTION F-F
SCALE 1:50

OFFSET	-5.00	-4.00	-3.00	-2.00	-1.00	0	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00
EXISTING ELEVATIONS	-0.846	-0.783	-0.593	-0.404	-0.214	-0.024	0.177	0.396	0.893	1.248	1.257	1.270	1.285	1.299
PROPOSED ELEVATIONS					1.240	1.240	1.240	1.240	1.240	1.240				

Do not scale

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



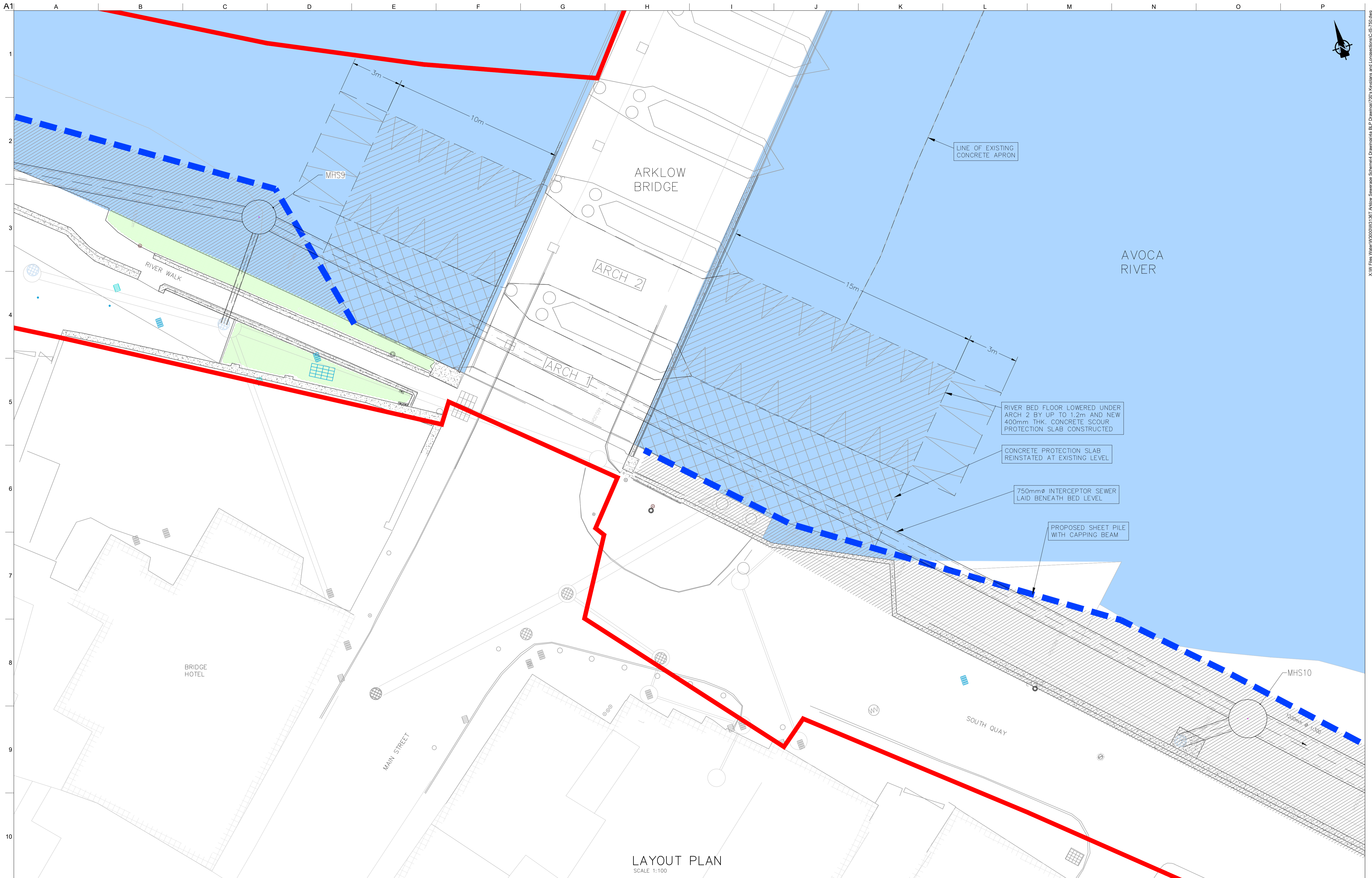
Client
Job Title
ARKLOW WASTEWATER
TREATMENT PLANT PROJECT
Scale at A1
AS SHOWN
Discipline
CIVIL



Drawing Title
AVOCA RIVER SECTIONS
SECTION E-E & F-F
4 OF 4
Drawing Status
PLANNING
Job No
247825-00
Drawing No
C-IS-733
Issue
P1

© Arup

X:\N Files Water\W300\W300\1387 Arklow Sewerage Scheme\4 Drawings\100% Keyplans and Longsections\CIS-733-733.dwg



LEGEND

PROPOSED PLANNING BOUNDARY	PROTECTION SLAB (LOWER LEVEL)
PROPOSED INTERCEPTOR SEWER	PROTECTION SLAB (EXISTING LEVEL)
PROPOSED SHEET PILE WITH CAPPING BEAM	RECLAIMED LAND

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

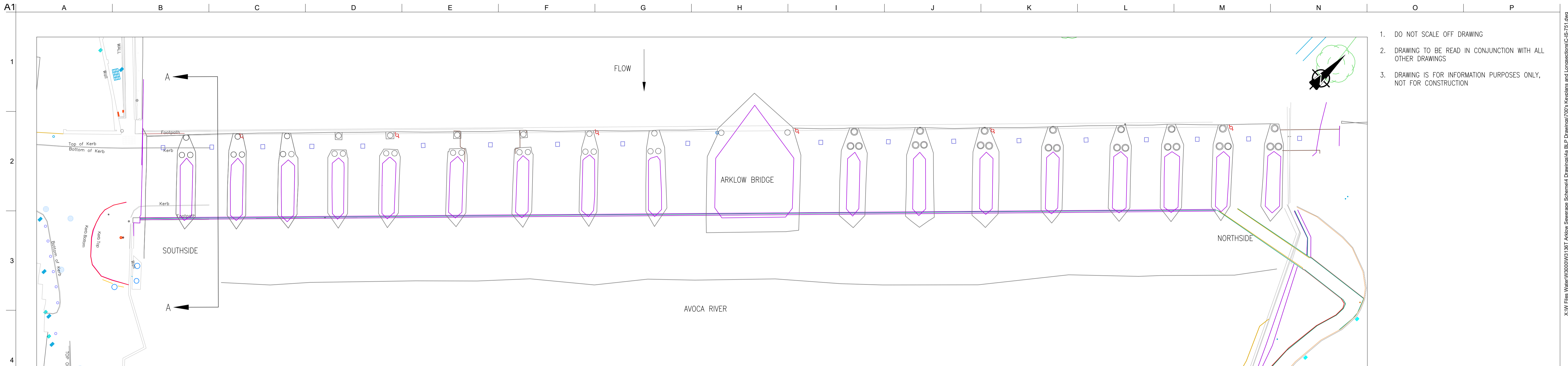
ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

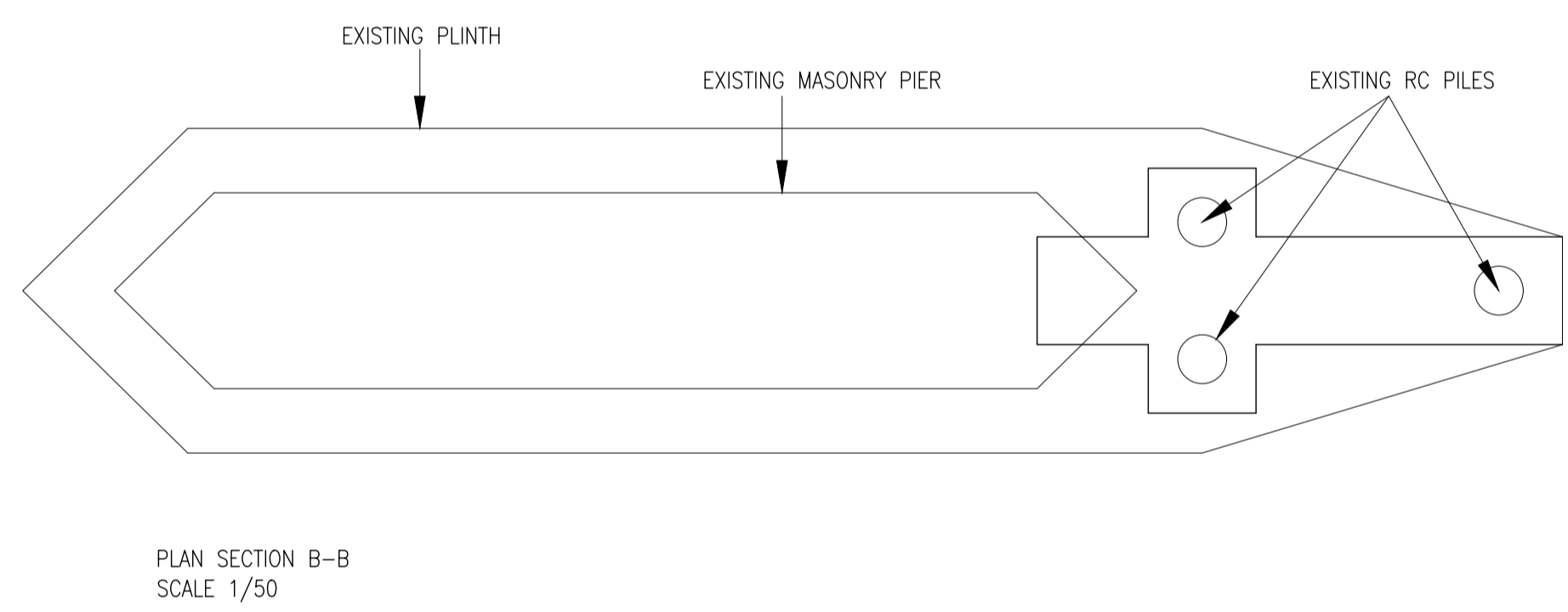
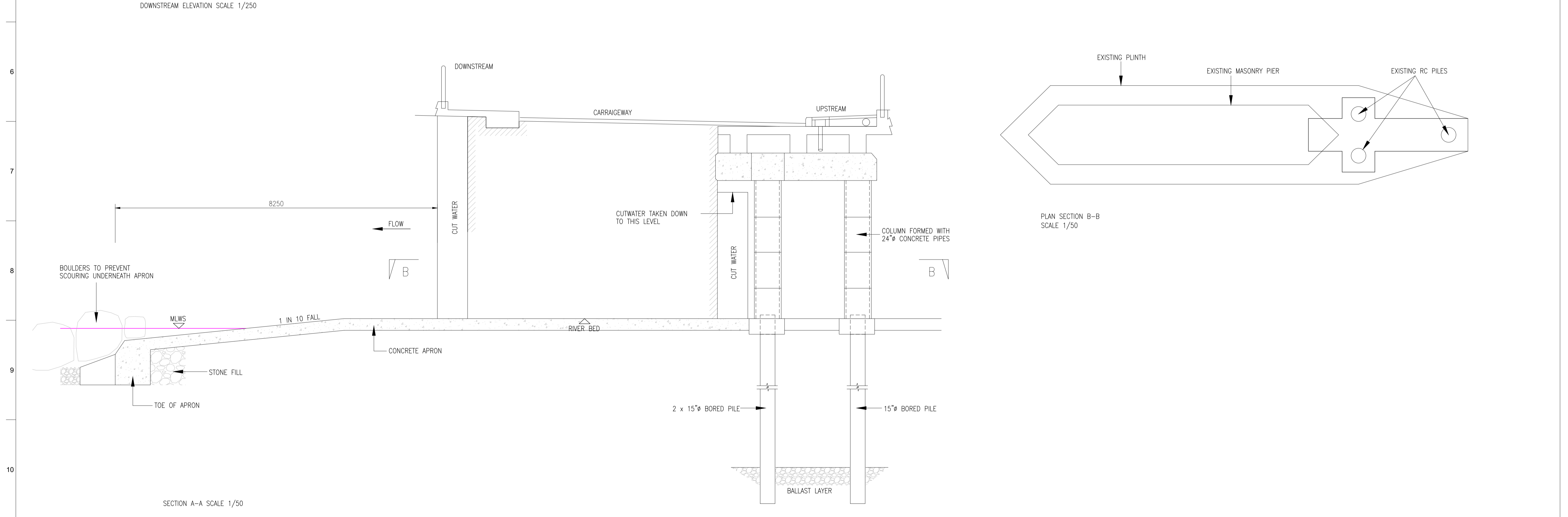
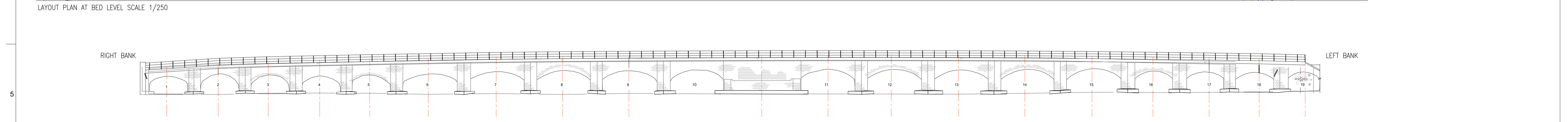
Drawing Title
ARKLOW BRIDGE WORKS PLAN

Drawing Status
PLANNING

Job No 247825-00	Drawing No C-IS-750	Issue P1
---------------------	------------------------	-------------



1. DO NOT SCALE OFF DRAWING
2. DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS
3. DRAWING IS FOR INFORMATION PURPOSES ONLY, NOT FOR CONSTRUCTION



Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Client

Job Title

ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline CIVIL

CLANCY MOORE ARCHITECTS

Drawing Title

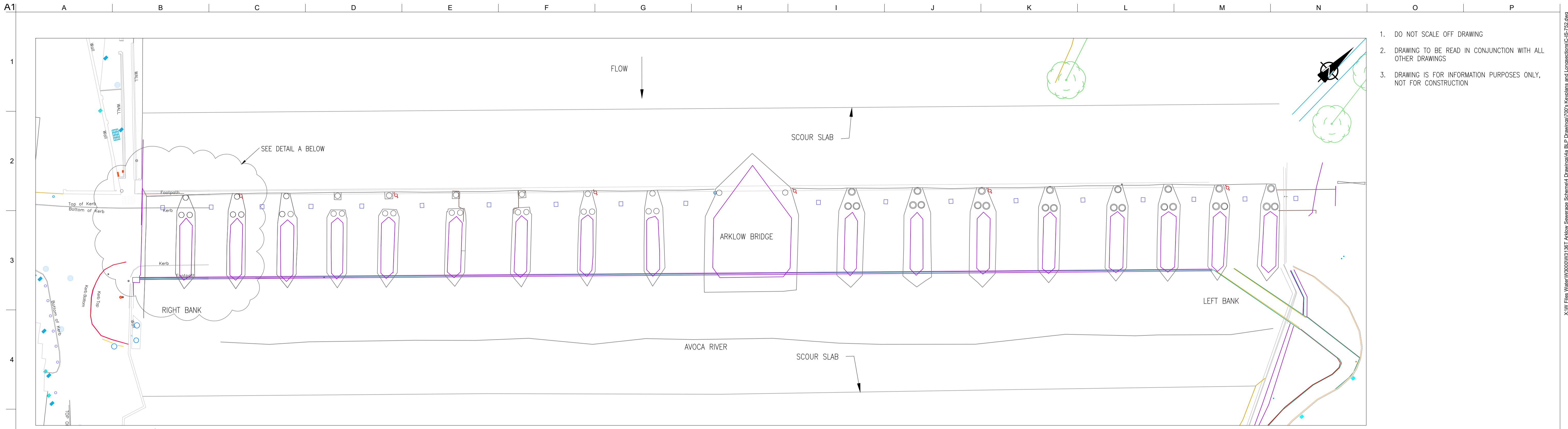
ARKLOW BRIDGE WORKS EXISTING LAYOUT - PLAN, ELEVATIONS & SECTIONS

Drawing Status

PLANNING

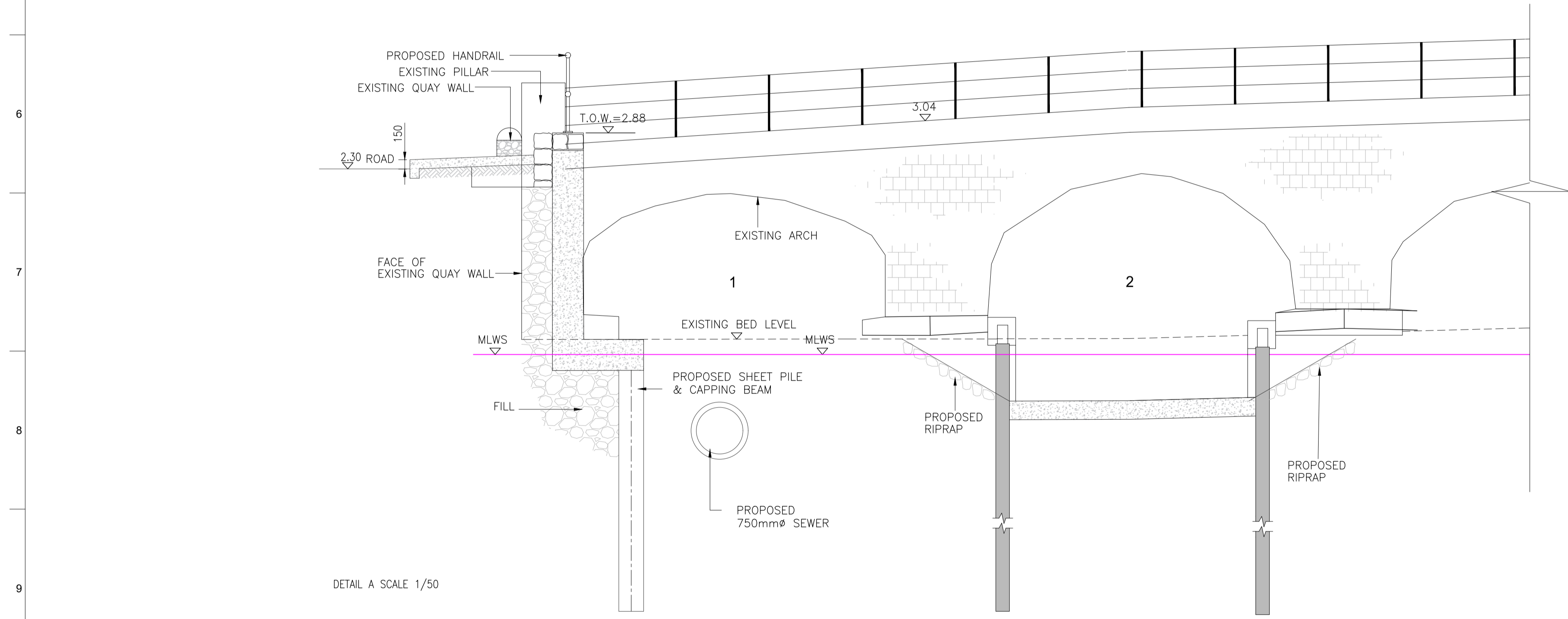
Job No 247825-00 Drawing No C-IS-751 Issue P1

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



1. DO NOT SCALE OFF DRAWING
2. DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS
3. DRAWING IS FOR INFORMATION PURPOSES ONLY, NOT FOR CONSTRUCTION

LAYOUT PLAN AT BED LEVEL SCALE 1/250



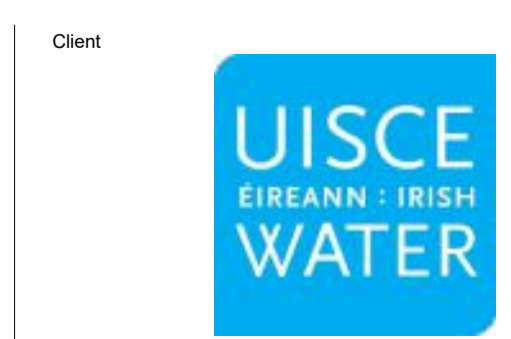
DETAIL A SCALE 1/50

Do not scale

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland / Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



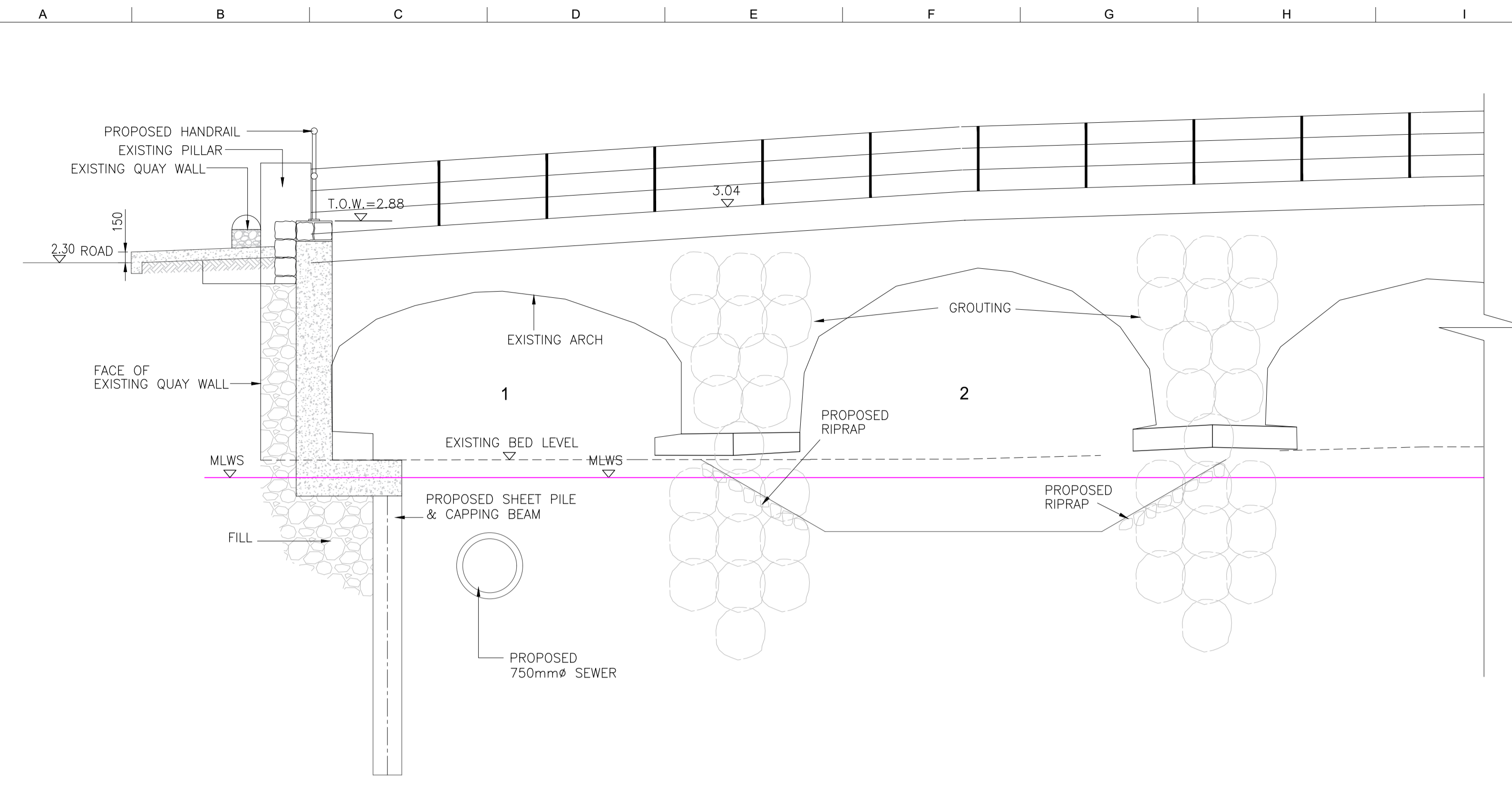
Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1 AS SHOWN
 Discipline CIVIL



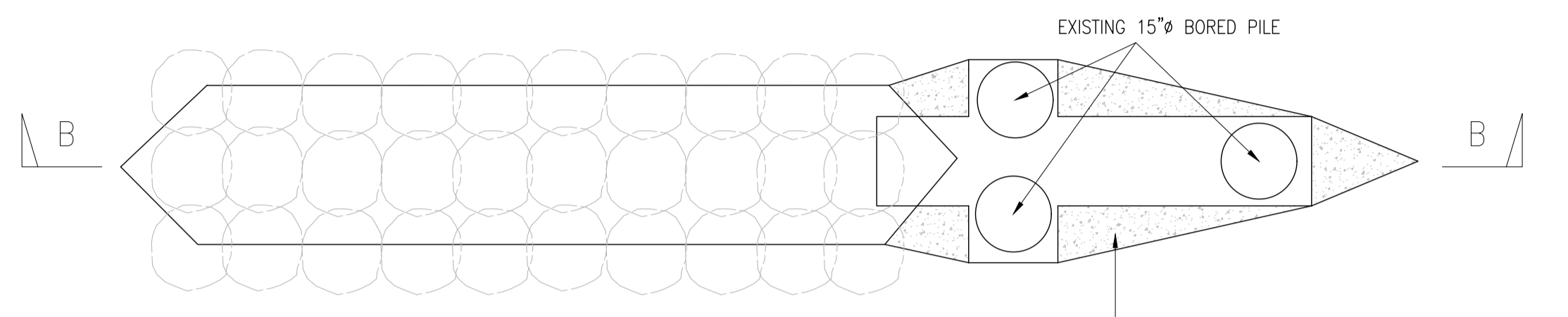
Drawing Title
ARKLOW BRIDGE WORKS PROPOSED LAYOUT, PLAN, ELEVATION & SECTIONS
 Drawing Status
PLANNING
 Job No 247825-00 Drawing No C-IS-752 Issue P1

© Arup

A1
1
2
3
4
5
6
7
8
9
10

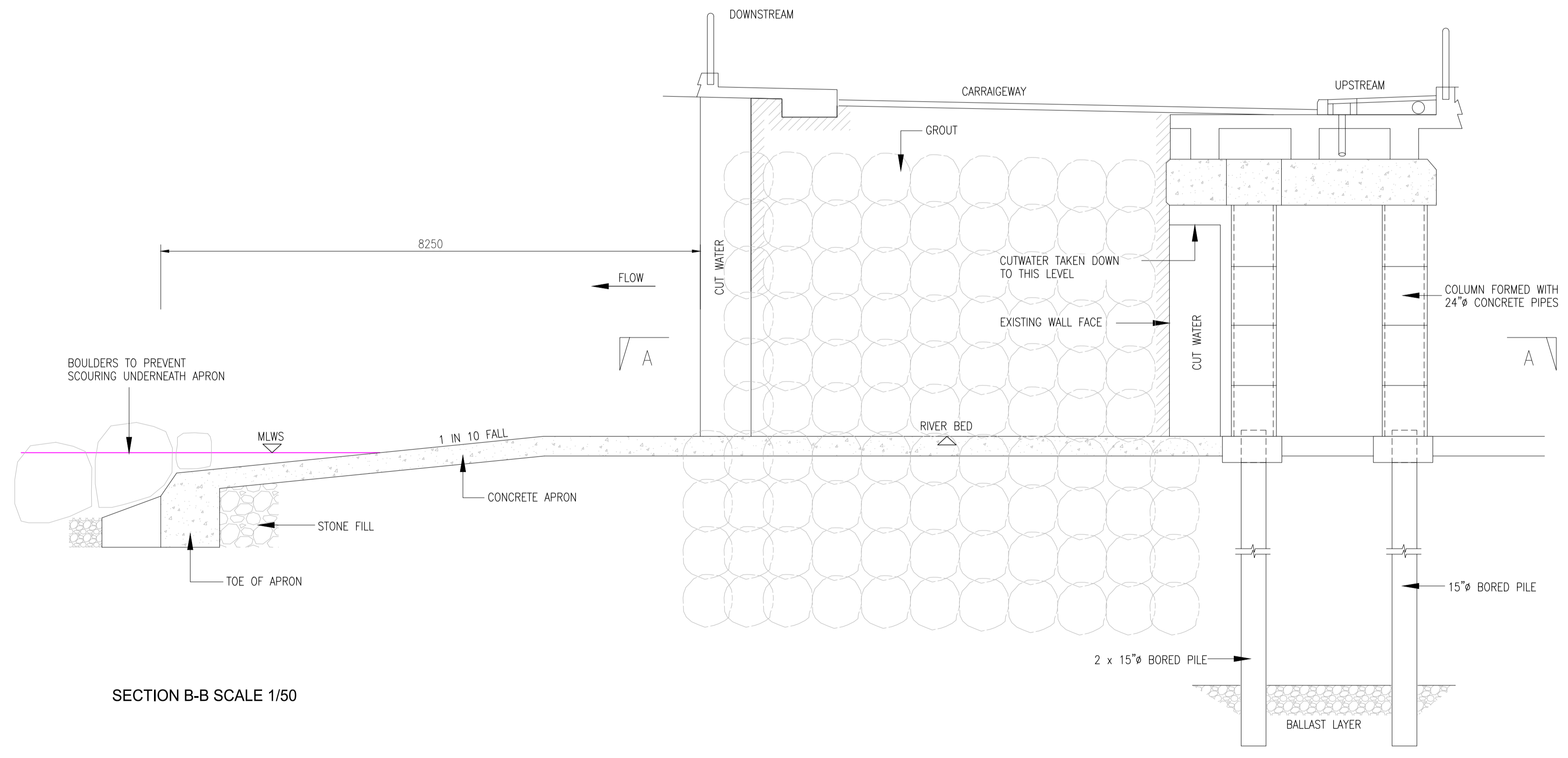


DOWNSTREAM ELEVATION SCALE 1/50



SECTIONAL PLAN A-A SCALE 1/50

1. DO NOT SCALE OFF DRAWING
2. DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS
3. DRAWING IS FOR INFORMATION PURPOSES ONLY, NOT FOR CONSTRUCTION

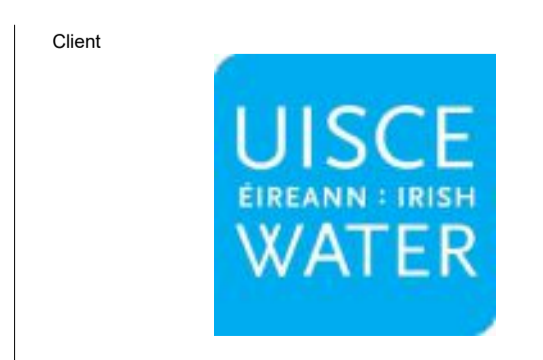


SECTION B-B SCALE 1/50

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL



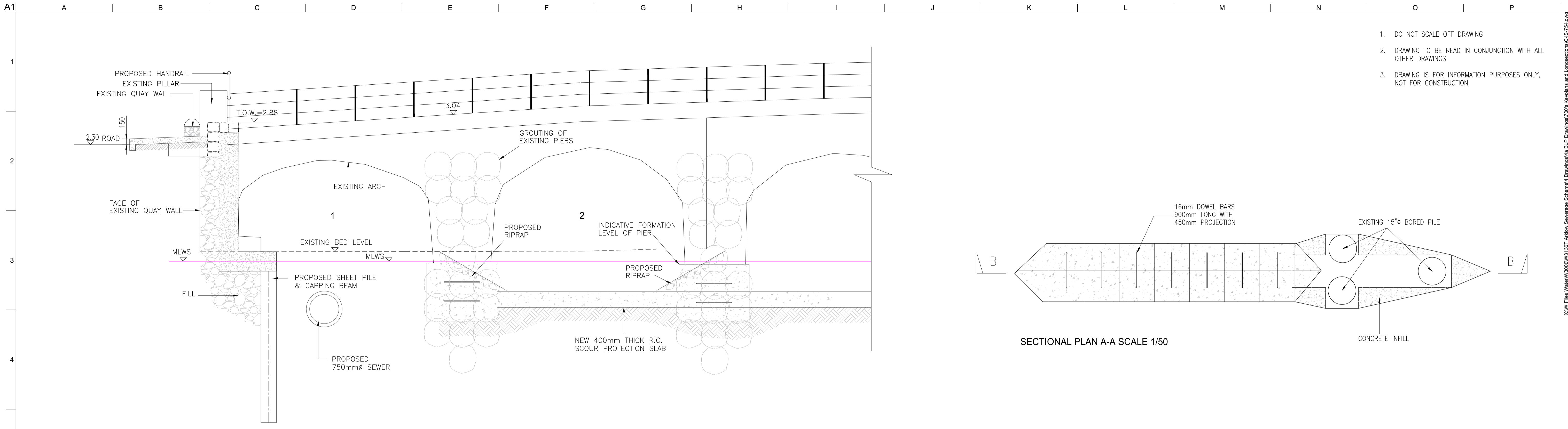
Drawing Title
ARKLOW BRIDGE WORKS GROUTING WORKS STAGE 1

Drawing Status
PLANNING

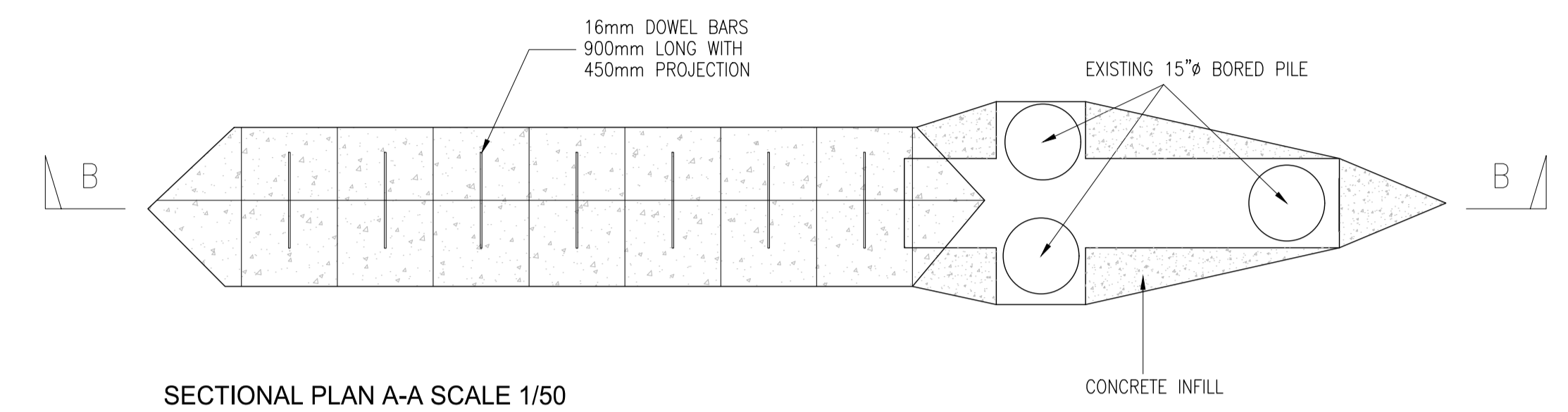
Job No
247825-00

Drawing No
C-IS-753

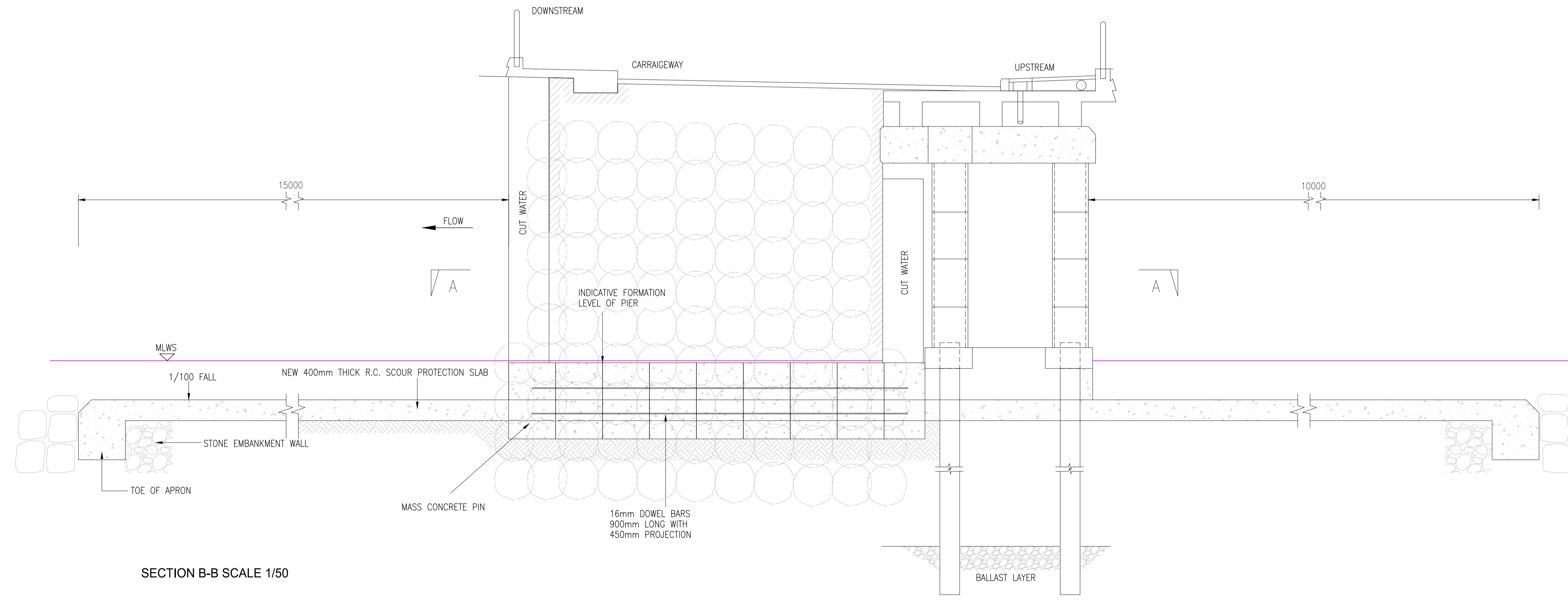
Issue
P1



DOWNSTREAM ELEVATION SCALE 1/50



SECTIONAL PLAN A-A SCALE 1/50

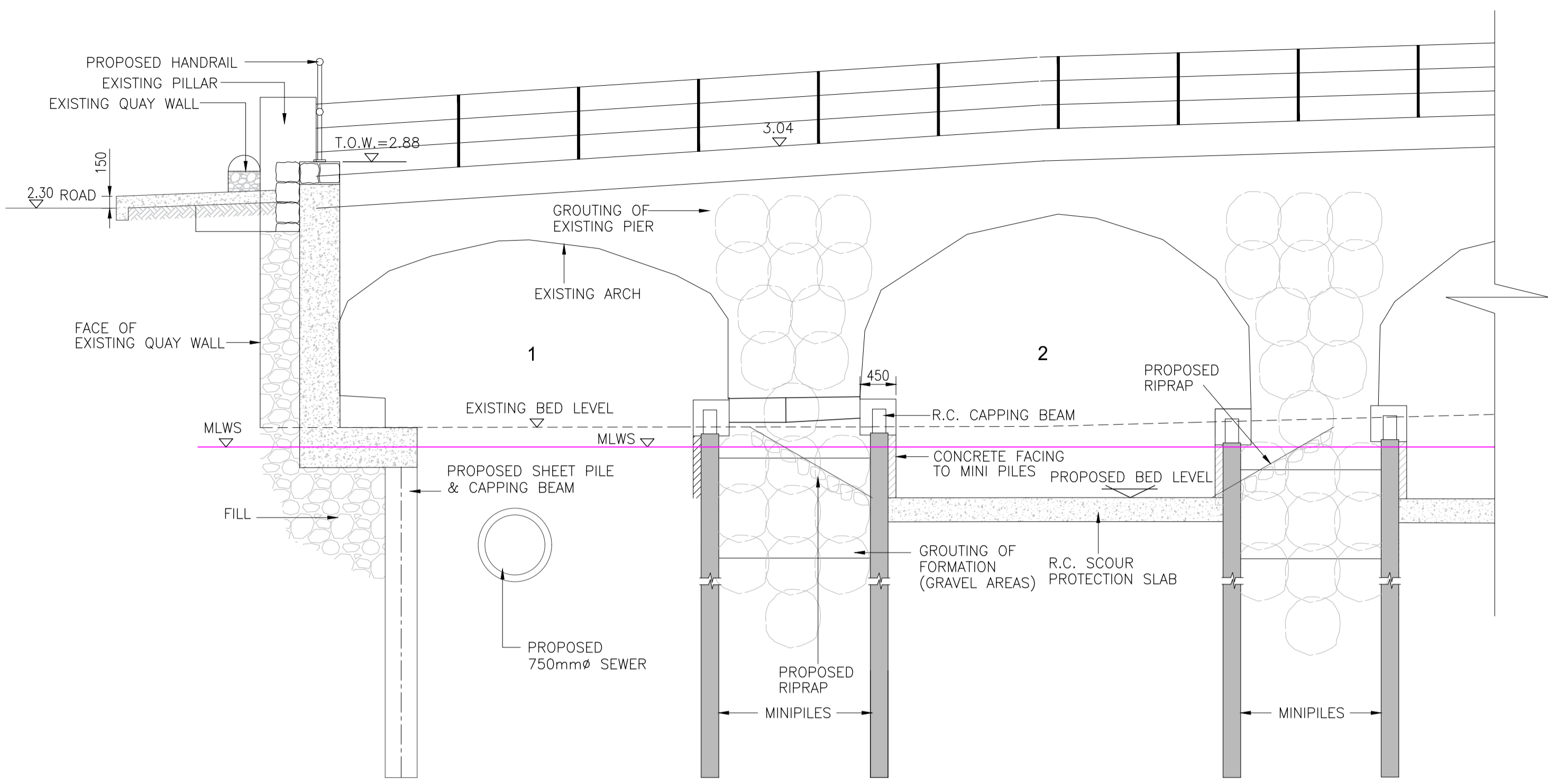


SECTION B-B SCALE 1/50

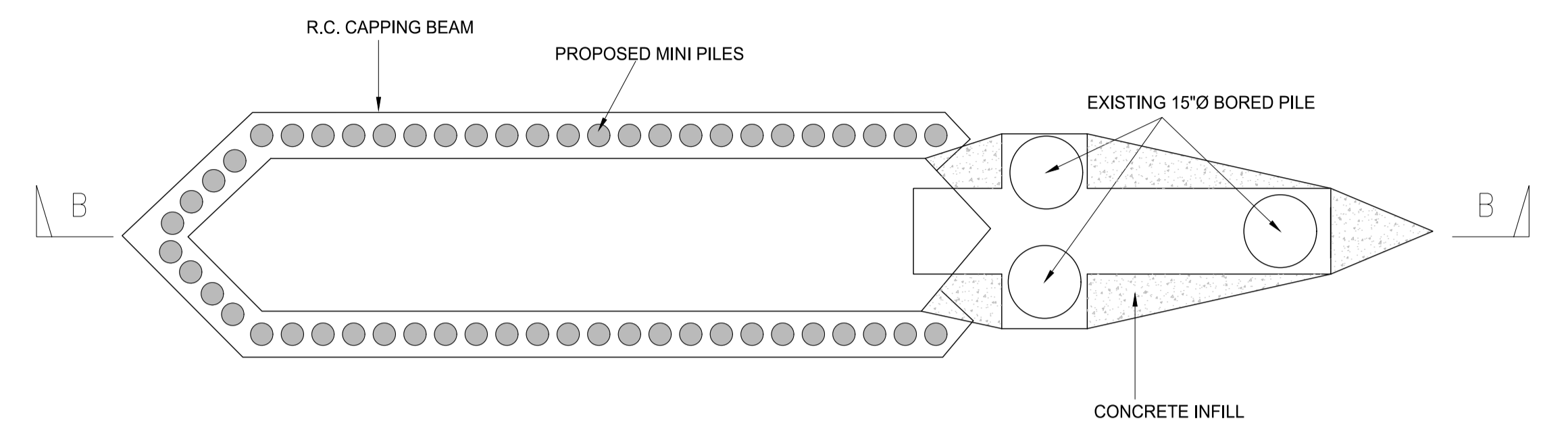
1. DO NOT SCALE OFF DRAWING
2. DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS
3. DRAWING IS FOR INFORMATION PURPOSES ONLY, NOT FOR CONSTRUCTION

<p>Ordnance Survey Ireland License No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSI Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	<p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>ARKLOW BRIDGE WORKS UNDERPINNING OPTION 1</p> <p>Drawing Status</p> <p>PLANNING</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">Job No</td> <td style="width: 33%;">Drawing No</td> <td style="width: 33%;">Issue</td> </tr> <tr> <td>247825-00</td> <td>C-IS-754</td> <td>P1</td> </tr> </table>	Job No	Drawing No	Issue	247825-00	C-IS-754	P1
Job No	Drawing No	Issue									
247825-00	C-IS-754	P1									

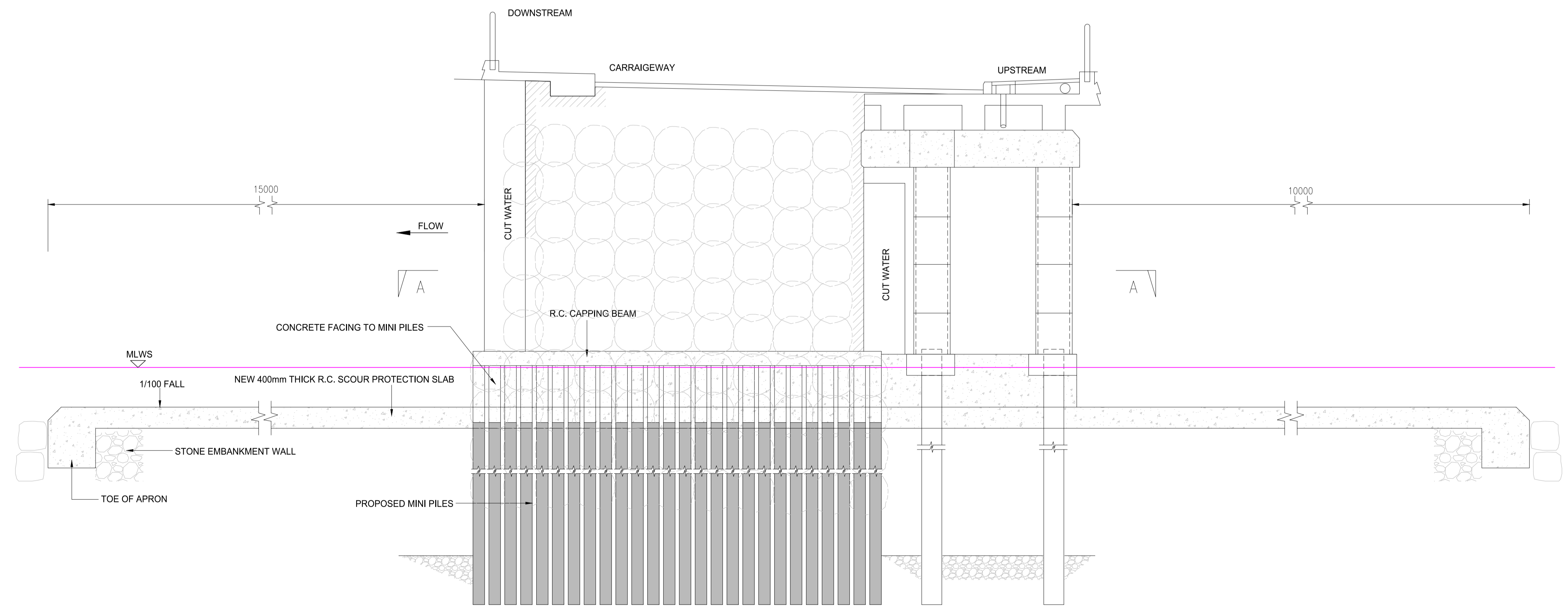
1. DO NOT SCALE OFF DRAWING
2. DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS
3. DRAWING IS FOR INFORMATION PURPOSES ONLY, NOT FOR CONSTRUCTION



DOWNSTREAM ELEVATION SCALE 1/50



SECTIONAL PLAN A-A SCALE 1/50

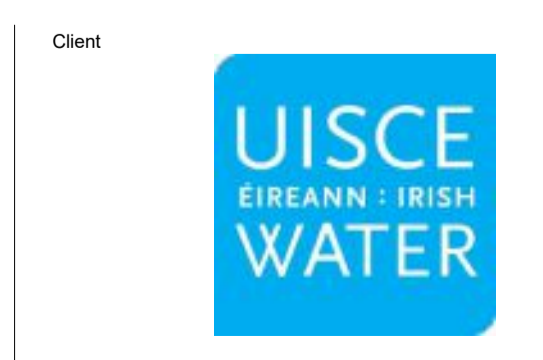


SECTION B-B SCALE 1/50

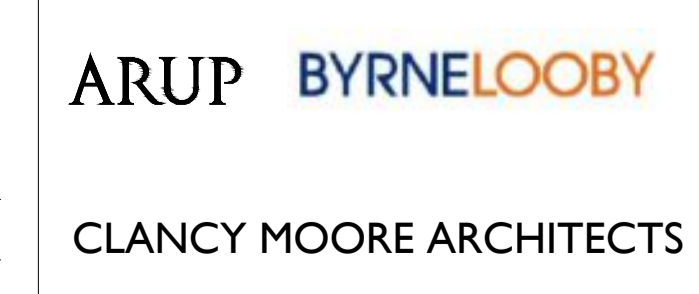
Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSI Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



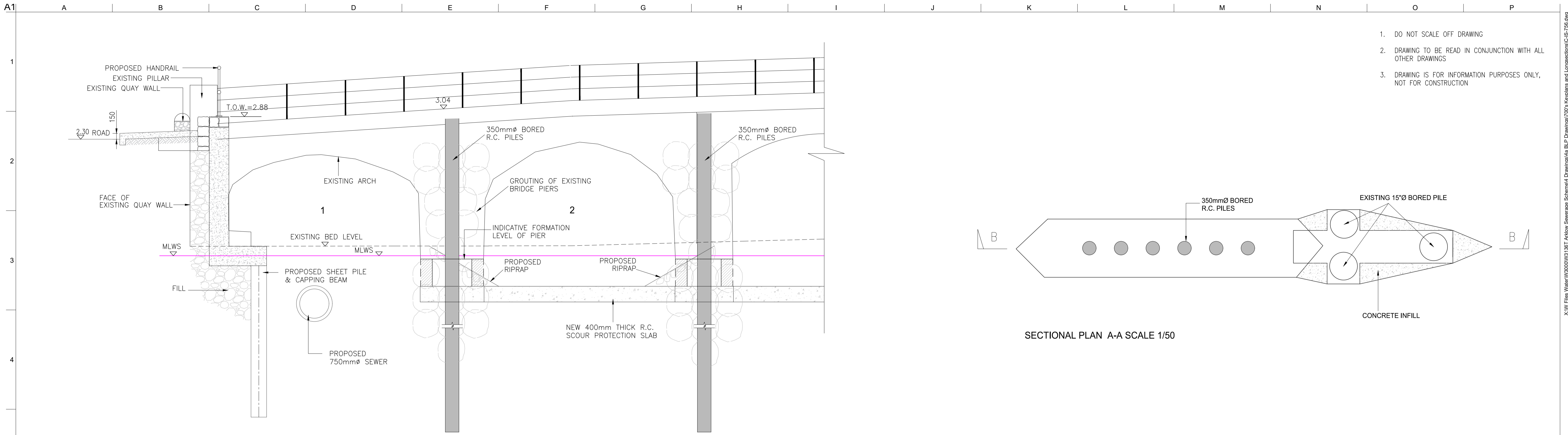
Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



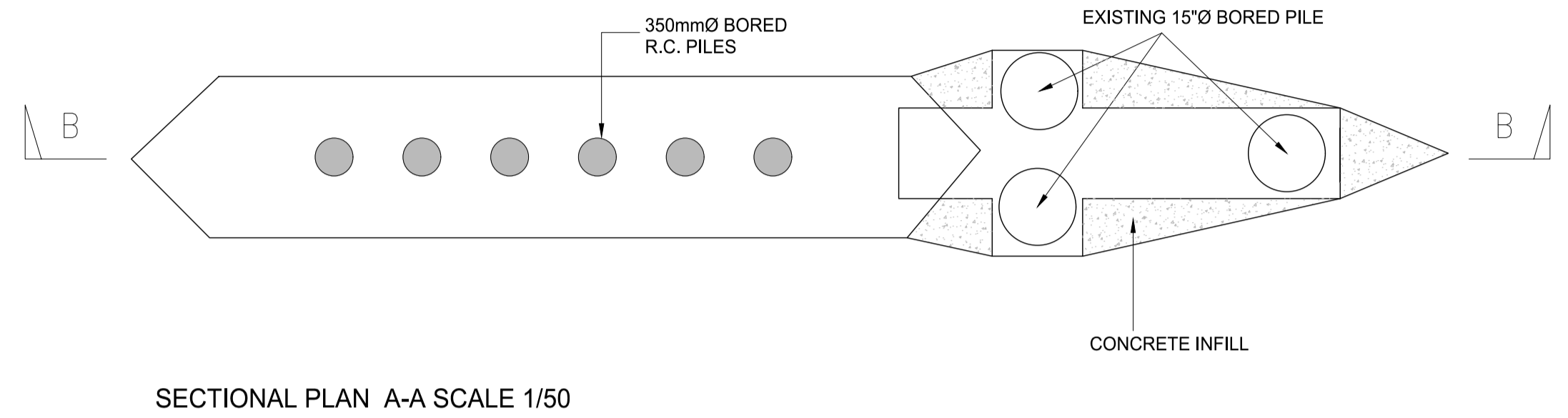
Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1 AS SHOWN
 Discipline CIVIL



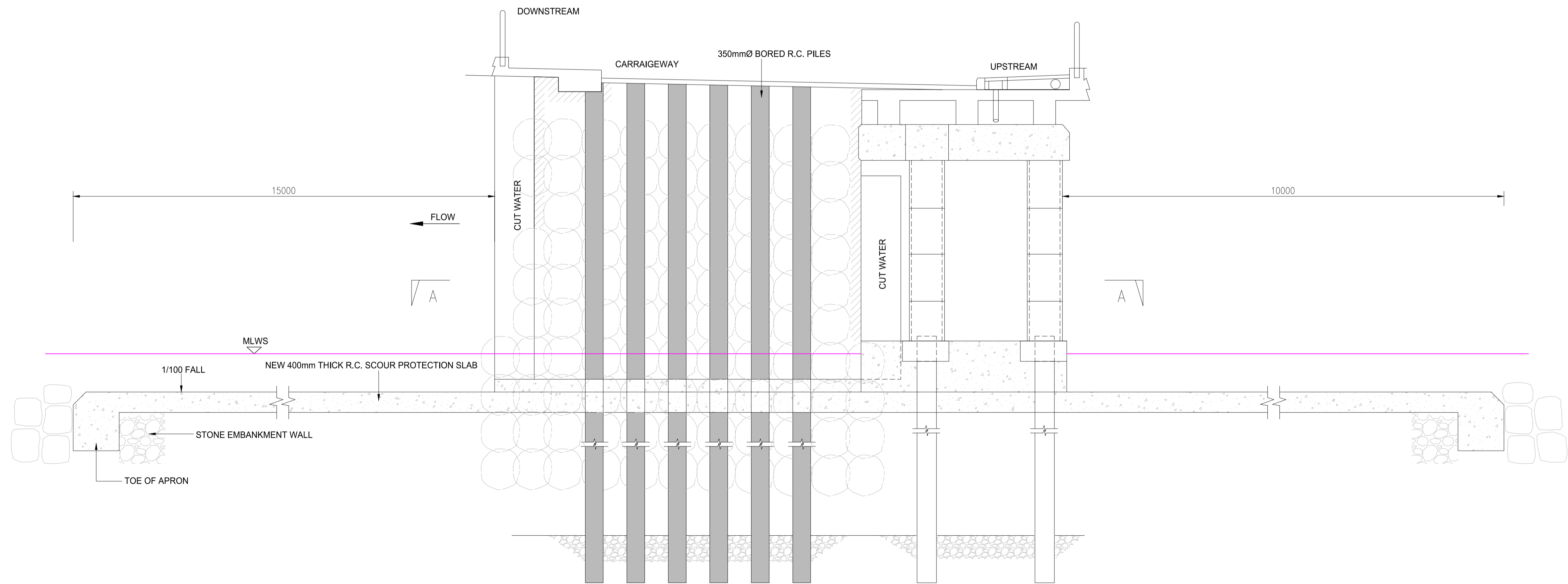
Drawing Title
ARKLOW BRIDGE WORKS UNDERPINNING OPTION 2
 Drawing Status
PLANNING
 Job No 247825-00 Drawing No C-IS-755 Issue P1



DOWNSTREAM ELEVATION SCALE 1/50



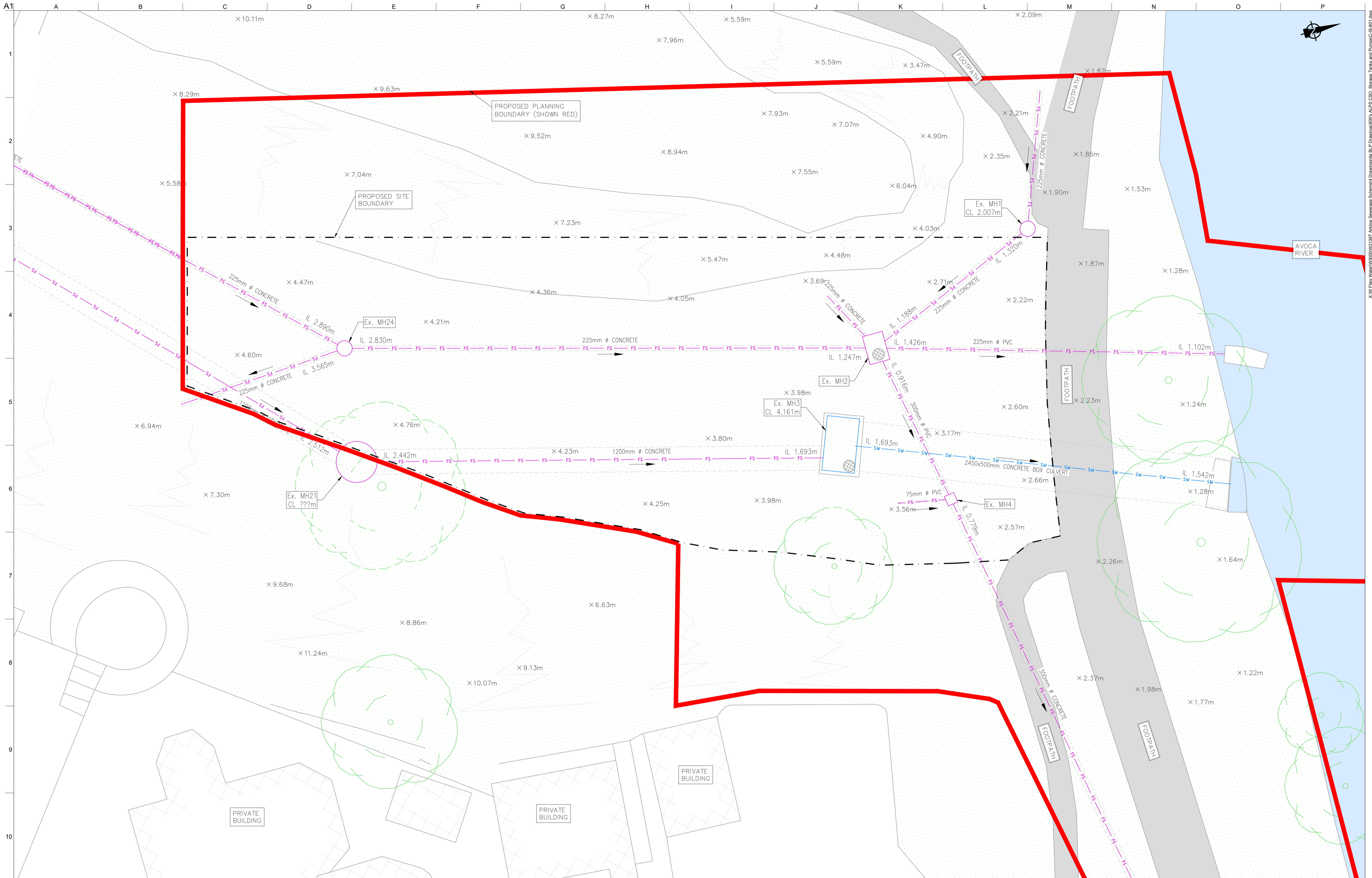
SECTIONAL PLAN A-A SCALE 1/50



SECTION B-B SCALE 1/50

1. DO NOT SCALE OFF DRAWING
2. DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS
3. DRAWING IS FOR INFORMATION PURPOSES ONLY, NOT FOR CONSTRUCTION

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	<p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>ARKLOW BRIDGE WORKS UNDERPINNING OPTION 3</p> <p>Drawing Status</p> <p>PLANNING</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Job No</td> <td>Drawing No</td> <td>Issue</td> </tr> <tr> <td>247825-00</td> <td>C-IS-756</td> <td>P1</td> </tr> </table>	Job No	Drawing No	Issue	247825-00	C-IS-756	P1
Job No	Drawing No	Issue									
247825-00	C-IS-756	P1									



LEGEND
 PROPOSED PLANNING BOUNDARY
 PROPOSED SITE BOUNDARY
 EXISTING FOUL/COMBINED SEWER
 EXISTING SURFACE WATER

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



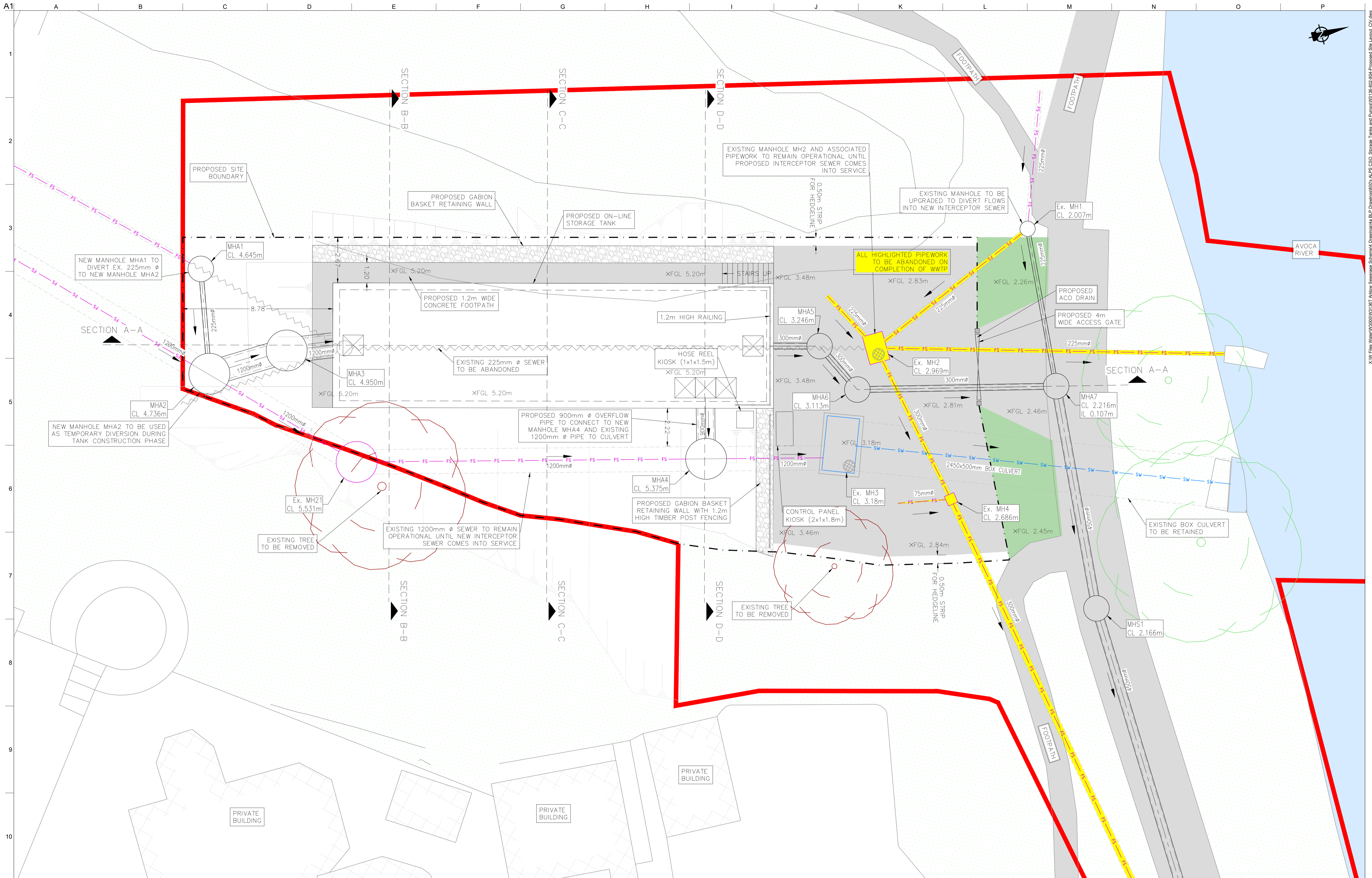
P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1 1:100
 Discipline CIVIL

Client
ARUP BYRNE LOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
THE ALPS SWO EXISTING SITE LAYOUT
 Drawing Status
PLANNING
 Job No 247825-00
 Drawing No C-IS-801
 Issue P1



LEGEND

PROPOSED PLANNING BOUNDARY	TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
PROPOSED SITE BOUNDARY	EXISTING TREE
EXISTING FOUL/COMBINED SEWER	EXISTING TREE TO BE REMOVED
EXISTING SURFACE WATER	
TO BE ABANDONED	

OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17
--

Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland	
Client	
Job Title	ARKLOW WASTEWATER TREATMENT PLANT PROJECT
Drawing Title	THE ALPS SWO PROPOSED SITE LAYOUT
Drawing Status	PLANNING
Job No	247825-00
Drawing No	C-IS-802
Issue	P1

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

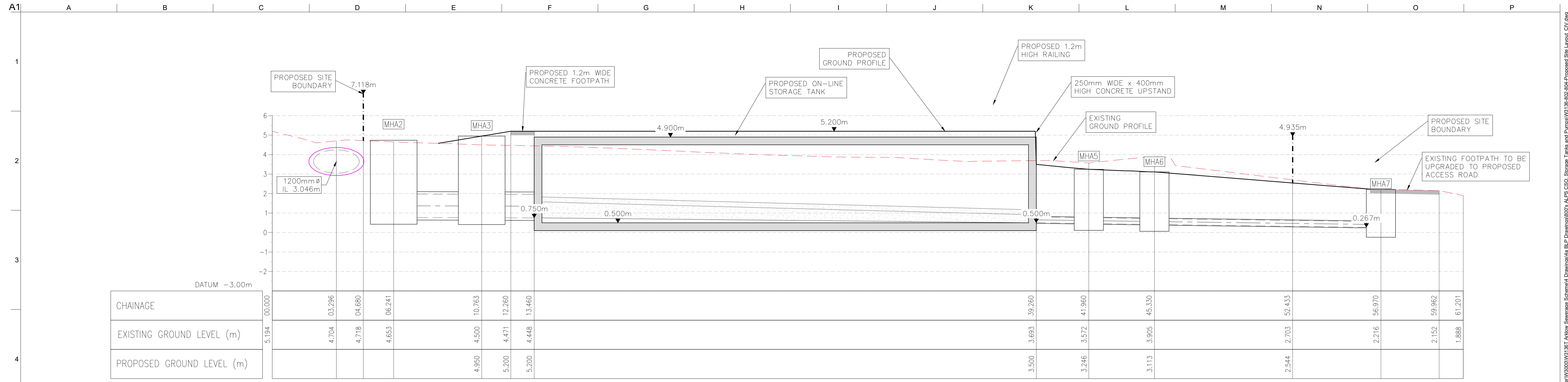
Scale at A1	1:100
Discipline	CIVIL

Client	
Job Title	ARKLOW WASTEWATER TREATMENT PLANT PROJECT
Drawing Title	THE ALPS SWO PROPOSED SITE LAYOUT
Drawing Status	PLANNING
Job No	247825-00
Drawing No	C-IS-802
Issue	P1

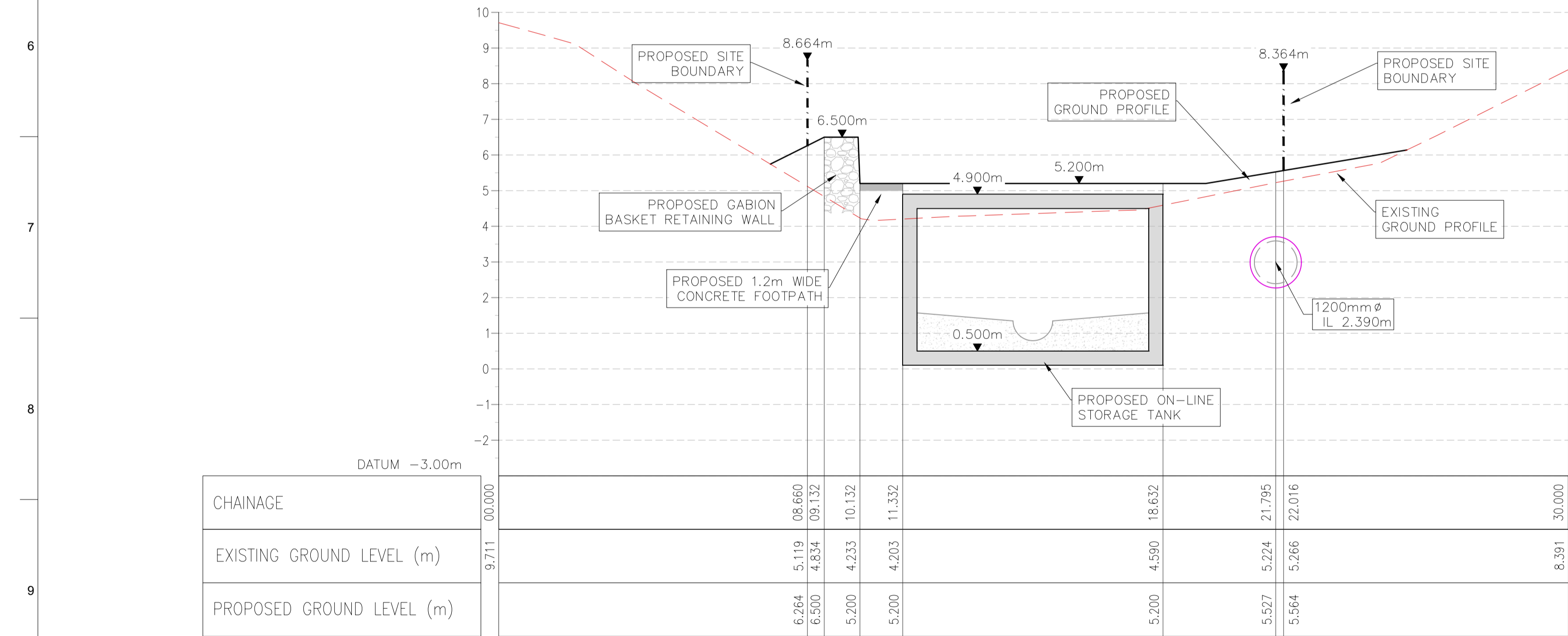
Client	
Job Title	ARKLOW WASTEWATER TREATMENT PLANT PROJECT
Drawing Title	THE ALPS SWO PROPOSED SITE LAYOUT
Drawing Status	PLANNING
Job No	247825-00
Drawing No	C-IS-802
Issue	P1

Client	
Job Title	ARKLOW WASTEWATER TREATMENT PLANT PROJECT
Drawing Title	THE ALPS SWO PROPOSED SITE LAYOUT
Drawing Status	PLANNING
Job No	247825-00
Drawing No	C-IS-802
Issue	P1

X:\W Files\Water\3500\3501\3507 Arklow Sewerage Scheme\Drawings\A1 BLP Drawings\802s ALPS SWO Storage Tanks and Pumps\103 350-802-804-Proposed Site Layout_C01.dwg



SECTION A-A - LONGSECTION
SCALE: H 1:100, V 1:100.



SECTION B-B - LONGSECTION
SCALE: H 1:100, V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER
TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

Drawing Title
THE ALPS SWO
PROPOSED SITE SECTIONS
1 OF 2

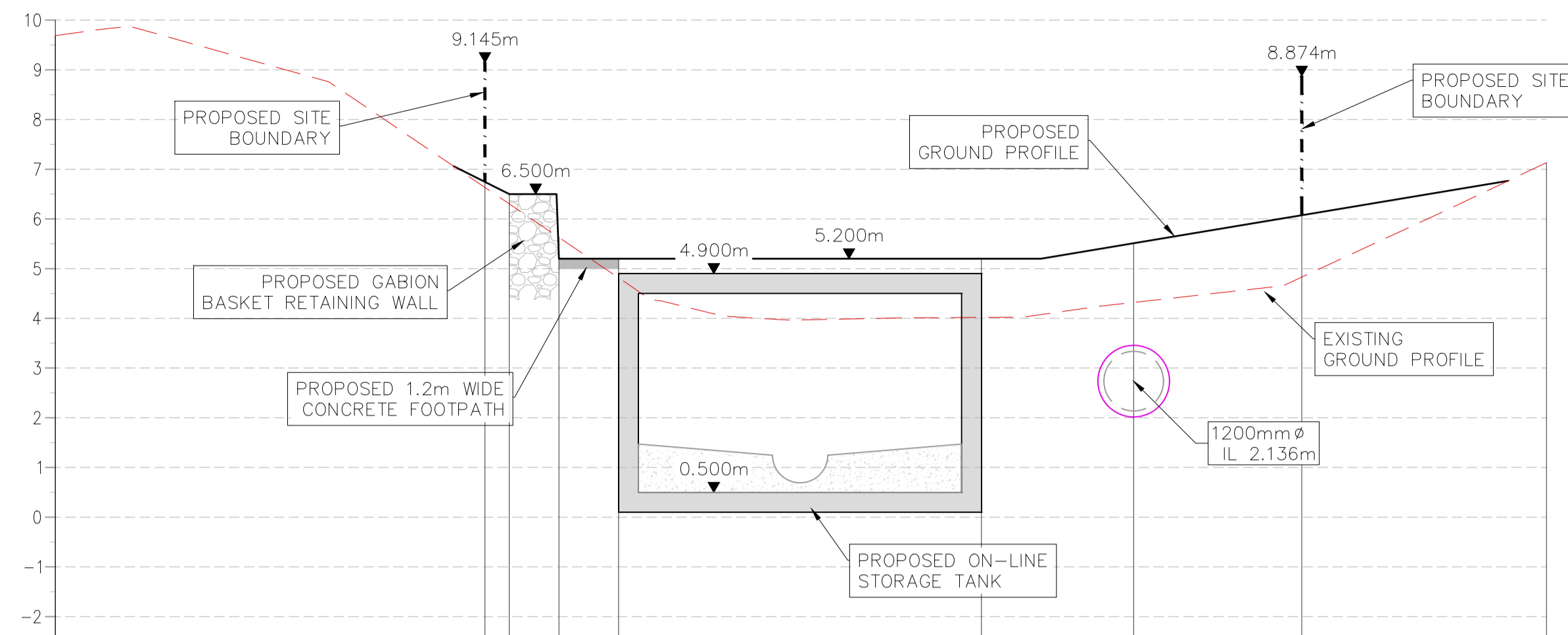
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-803

Issue
P1

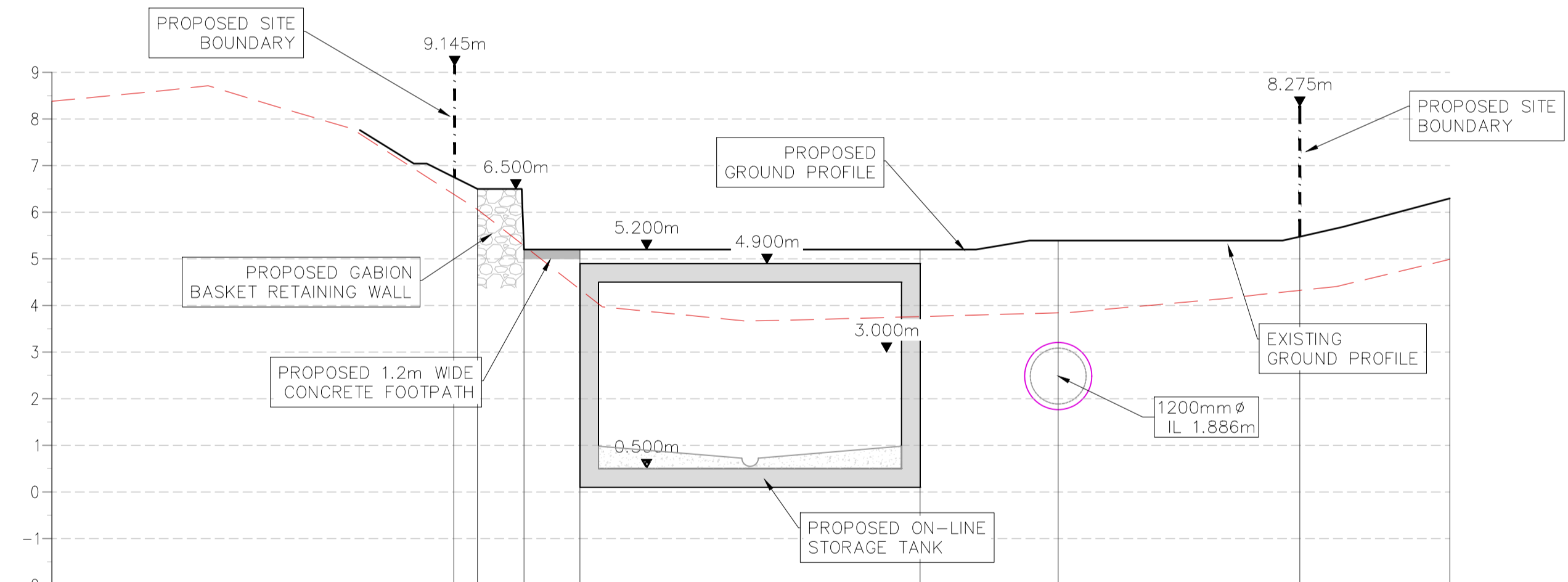
X:\W Files\Water\W300\W301\387 Arklow Sewerage Scheme\13 Drawings\803s ALPS SWO Storage Tanks and Pumps\103 136-102-804-Proposed Site Layout_C01.dwg



DATUM -3.00m

CHAINAGE	00.000	08.643	09.132	10.132	11.332	18.632	21.696	25.078	30.000
EXISTING GROUND LEVEL (m)	9.687	6.634	6.303	5.626	4.815	4.019	4.320	4.830	7.133
PROPOSED GROUND LEVEL (m)		6.745	6.500	5.200	5.200	5.200	5.511	6.074	

SECTION C-C - LONGSECTION
SCALE: H 1:100,V 1:100.



DATUM -3.00m

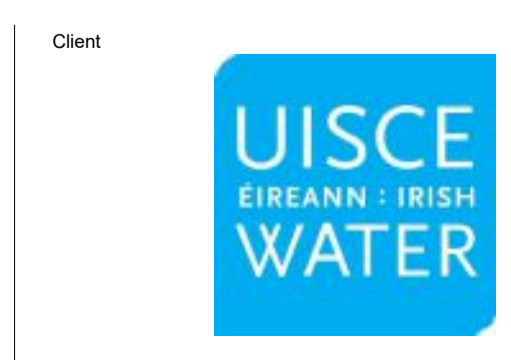
CHAINAGE	00.000	08.625	09.132	10.132	11.332	18.632	21.597	26.781	30.000
EXISTING GROUND LEVEL (m)	8.380	6.385	6.059	5.282	4.345	3.761	3.843	4.324	4.989
PROPOSED GROUND LEVEL (m)		6.754	6.500	5.200	5.200	5.200	5.392	5.475	6.296

SECTION D-D - LONGSECTION
SCALE: H 1:100,V 1:100.

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
Job Title
ARKLOW WASTEWATER
TREATMENT PLANT PROJECT
Scale at A1
AS SHOWN
Discipline
CIVIL




ARUP BYRNELOOBY
CLANCY MOORE ARCHITECTS

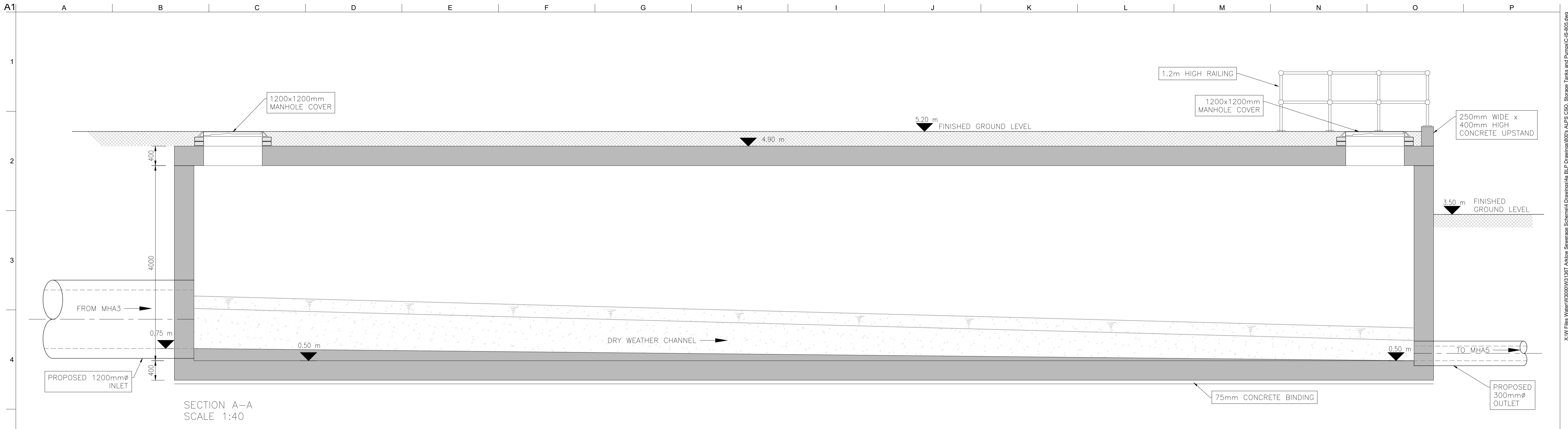
Drawing Title
THE ALPS SWO
PROPOSED SITE SECTIONS
2 OF 2
Drawing Status
PLANNING
Job No
247825-00
Drawing No
C-IS-804
Issue
P1

A1
1
2
3
4
5
6
7
8
9
10

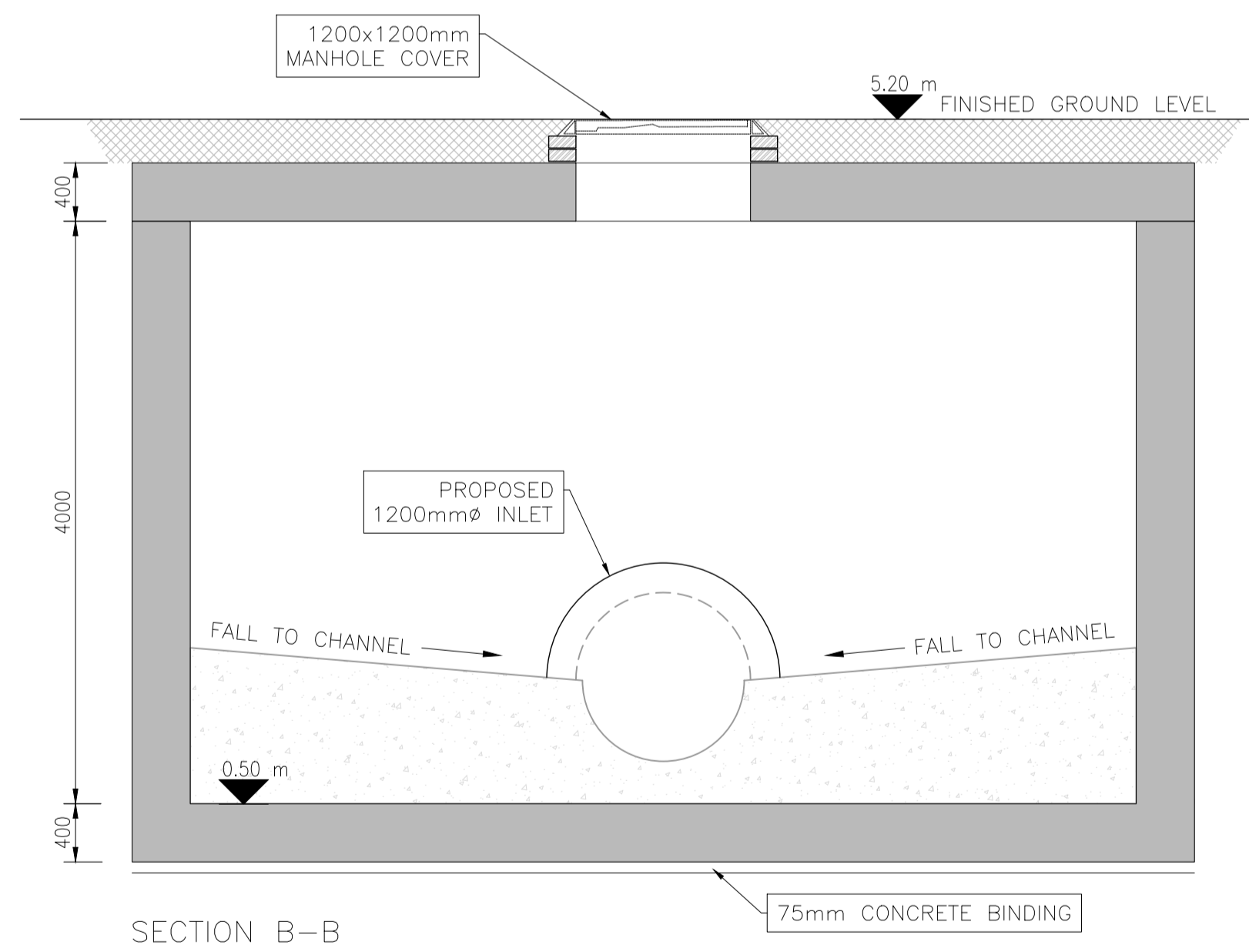
X:\W Files\Water\W300\W307 Arlow Sewerage Scheme\Drawings\A1 BLP Drawings\8076 ALPS CSO - Storage Tanks and Pumps\W306-804-Proposed Site Layout_C01.dwg
© Arup



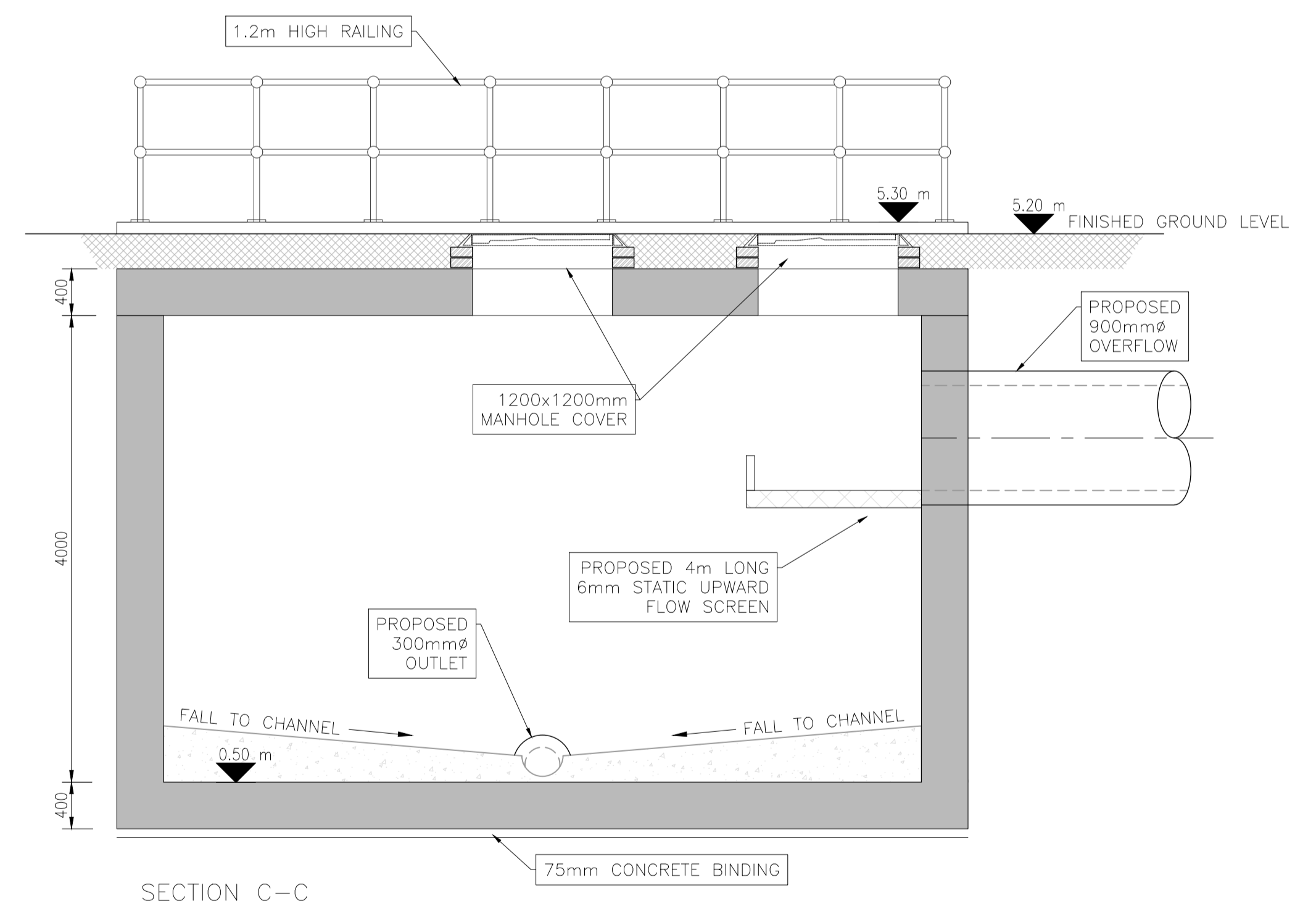
<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p> 	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	 <p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>THE ALPS SWO ONLINE STORAGE TANK GENERAL ARRANGEMENT PLANS</p> <p>Drawing Status</p> <p>PLANNING</p> <p>Job No 247825-00 Drawing No C-IS-805 Issue P1</p>
---	---	---	--	---	---



SECTION A-A
SCALE 1:40



SECTION B-B
SCALE 1:40

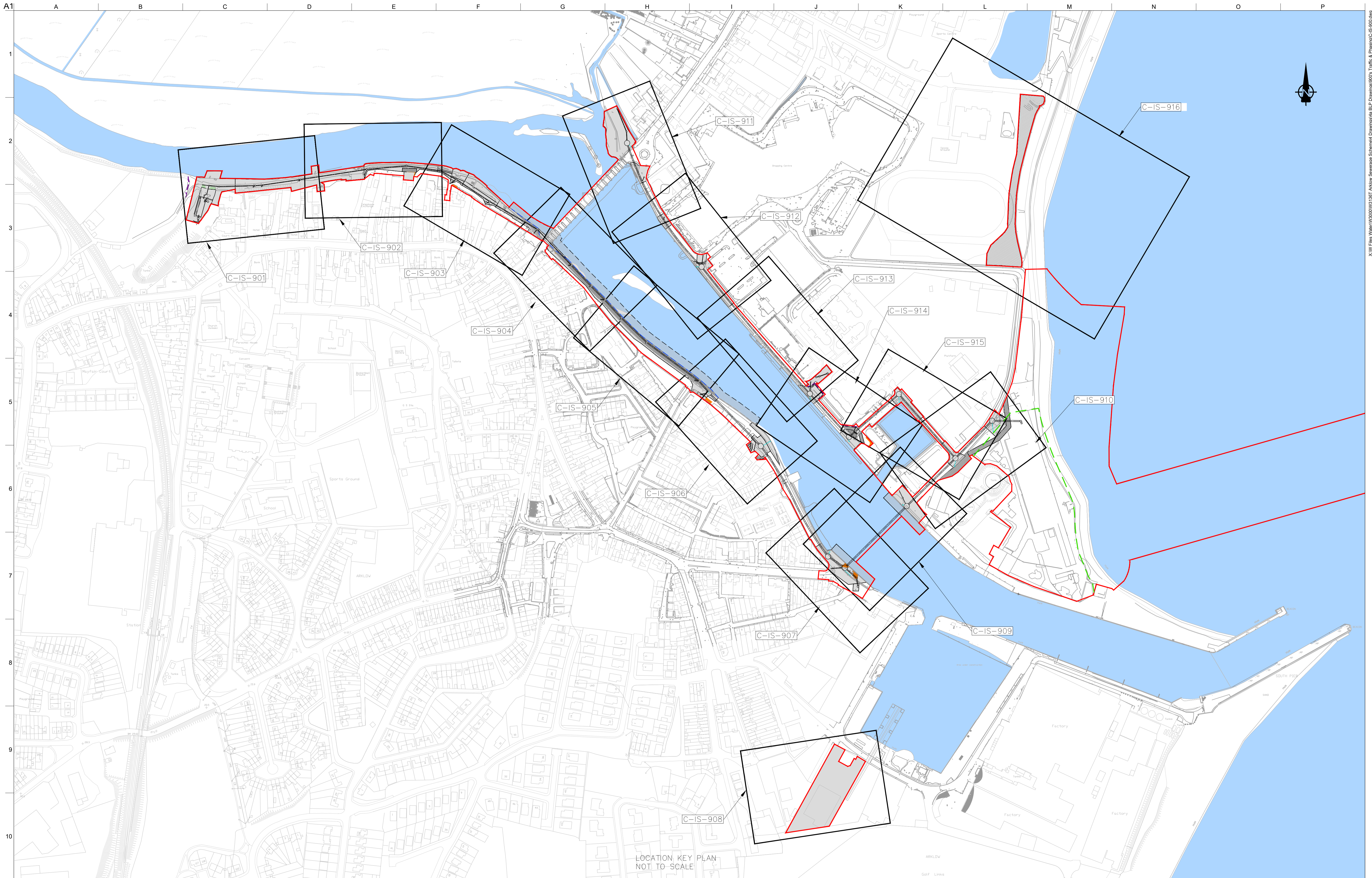


SECTION C-C
SCALE 1:40

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	<p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>THE ALPS SWO ONLINE STORAGE TANK GENERAL ARRANGEMENT SECTIONS</p> <p>Drawing Status</p> <p>PLANNING</p> <p>Job No 247825-00 Drawing No C-IS-806 Issue P1</p>
---	--	---------------	--	---------------------------------------	--

Do not scale

X:\WPFiles\Water\100001031\Arklow Sewerage Schemed Drawings\A1\BP Drawings\005 ALPS SWO Storage Tanks and Pumps\C-S-806.dwg



LOCATION KEY PLAN
NOT TO SCALE

LEGEND

- PROPOSED PLANNING BOUNDARY
- PROPOSED WWTP SITE BOUNDARY
- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- RECLAIMED LAND

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- TEMPORARY ACCESS ROAD
- NIGHT WORKS ONLY
- WORKING AREAS IN RIVER
- TEMPORARY PEDESTRIAN WALKWAY

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

OSi Ordnance Survey Ireland

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC & PHASING LOCATION KEY PLAN

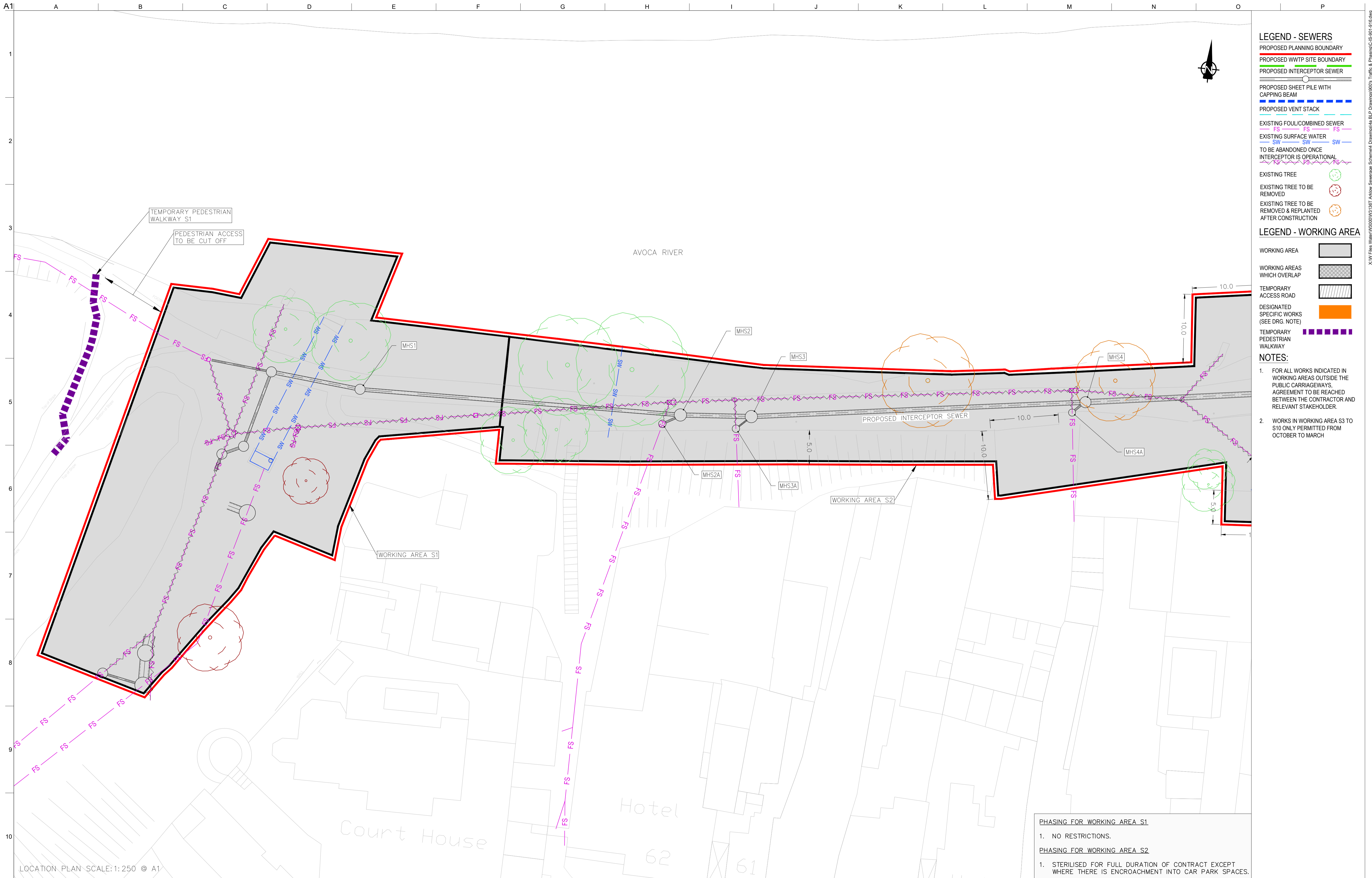
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-900

Issue
P1

X:\W\Files\Water\180000\1807 Arklow Sewerage Scheme\Drawings\00's Traffic & Phasing\C-IS-900.dwg



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- NOTES:**
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH

PHASING FOR WORKING AREA S1

1. NO RESTRICTIONS.

PHASING FOR WORKING AREA S2

1. STERILISED FOR FULL DURATION OF CONTRACT EXCEPT WHERE THERE IS ENCROACHMENT INTO CAR PARK SPACES.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC & PHASING LAYOUT PLANS 1 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-901

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- NOTES:**
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH

- PHASING FOR WORKING AREA S3**
1. WORKS TO BE COMPLETED IN WORKING AREA S4 BEFORE WORKING AREA S3 CAN BE OCCUPIED.
 2. WHILE WORKS ARE ONGOING IN WORKING AREA S3 CONTRACTOR TO IMPLEMENT 1 WAY SYSTEM VIA CONDRENS LANE UPPER AND RIVER LANE EAST.
- PHASING FOR WORKING AREA S4**
1. WORKS TO BE COMPLETED IN WORKING AREA S4 BEFORE WORKING AREA S3 CAN BE OCCUPIED.
 2. EXISTING WALL TO BE REMOVED AND REINSTATED AFTER SEWER CONSTRUCTION.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

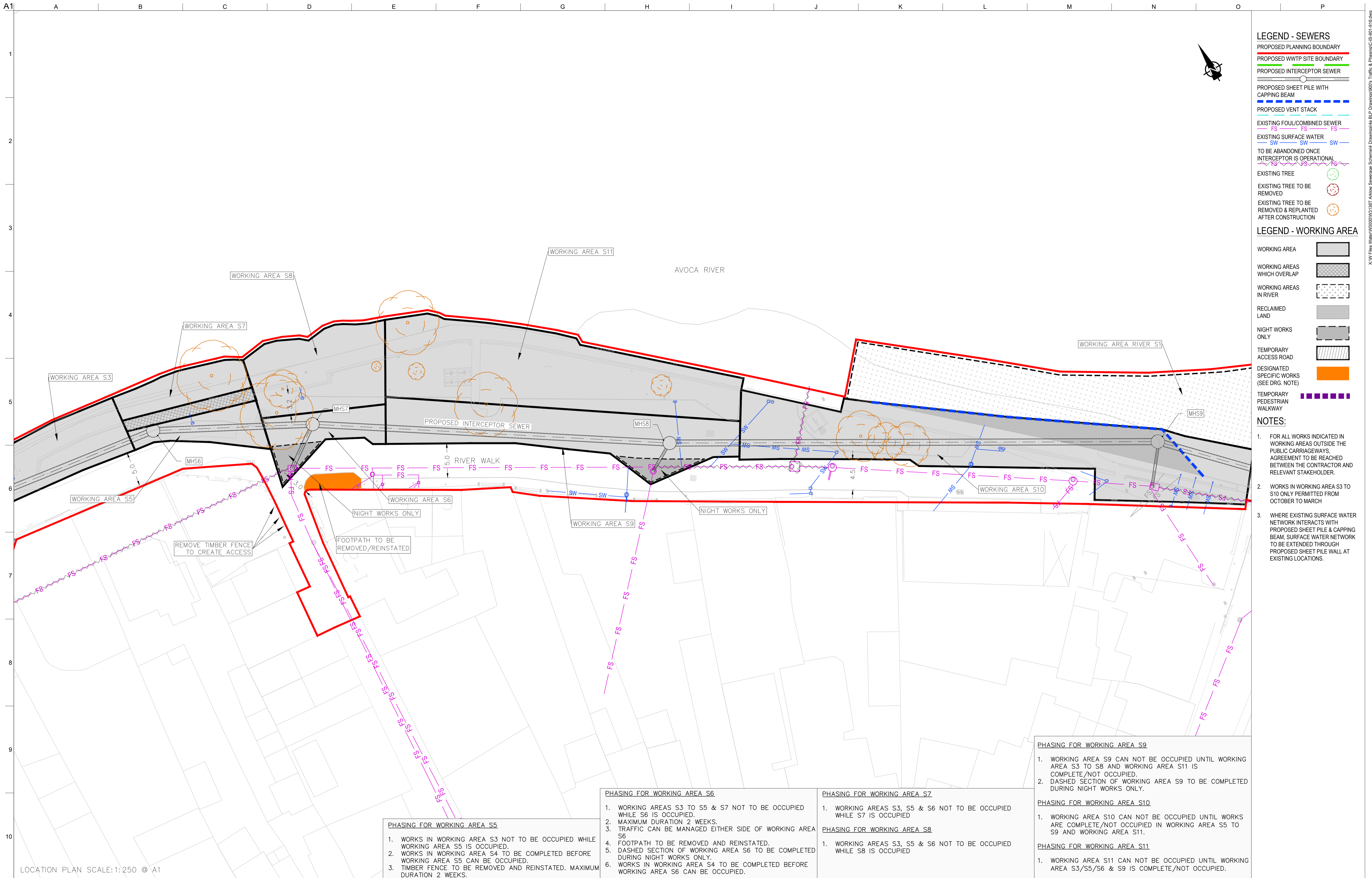
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 2 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-902

Issue
 P1



- ### LEGEND - SEWERS
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- ### LEGEND - WORKING AREA
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- ### NOTES:
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
 3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

PHASING FOR WORKING AREA S5

1. WORKS IN WORKING AREA S3 NOT TO BE OCCUPIED WHILE WORKING AREA S5 IS OCCUPIED.
2. WORKS IN WORKING AREA S4 TO BE COMPLETED BEFORE WORKING AREA S5 CAN BE OCCUPIED.
3. TIMBER FENCE TO BE REMOVED AND REINSTATED. MAXIMUM DURATION 2 WEEKS.

PHASING FOR WORKING AREA S6

1. WORKING AREAS S3 TO S5 & S7 NOT TO BE OCCUPIED WHILE S6 IS OCCUPIED.
2. MAXIMUM DURATION 2 WEEKS.
3. TRAFFIC CAN BE MANAGED EITHER SIDE OF WORKING AREA S6
4. FOOTPATH TO BE REMOVED AND REINSTATED.
5. DASHED SECTION OF WORKING AREA S6 TO BE COMPLETED DURING NIGHT WORKS ONLY.
6. WORKS IN WORKING AREA S4 TO BE COMPLETED BEFORE WORKING AREA S6 CAN BE OCCUPIED.

PHASING FOR WORKING AREA S7

1. WORKING AREAS S3, S5 & S6 NOT TO BE OCCUPIED WHILE S7 IS OCCUPIED

PHASING FOR WORKING AREA S8

1. WORKING AREAS S3, S5 & S6 NOT TO BE OCCUPIED WHILE S8 IS OCCUPIED

PHASING FOR WORKING AREA S9

1. WORKING AREA S9 CAN NOT BE OCCUPIED UNTIL WORKING AREA S3 TO S8 AND WORKING AREA S11 IS COMPLETE/NOT OCCUPIED.
2. DASHED SECTION OF WORKING AREA S9 TO BE COMPLETED DURING NIGHT WORKS ONLY.

PHASING FOR WORKING AREA S10

1. WORKING AREA S10 CAN NOT BE OCCUPIED UNTIL WORKS ARE COMPLETE/NOT OCCUPIED IN WORKING AREA S5 TO S9 AND WORKING AREA S11.

PHASING FOR WORKING AREA S11

1. WORKING AREA S11 CAN NOT BE OCCUPIED UNTIL WORKING AREA S3/S5/S6 & S9 IS COMPLETE/NOT OCCUPIED.

LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

OSi Ordnance Survey Ireland

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

UISCE
 ÉIREANN : IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline
 CIVIL

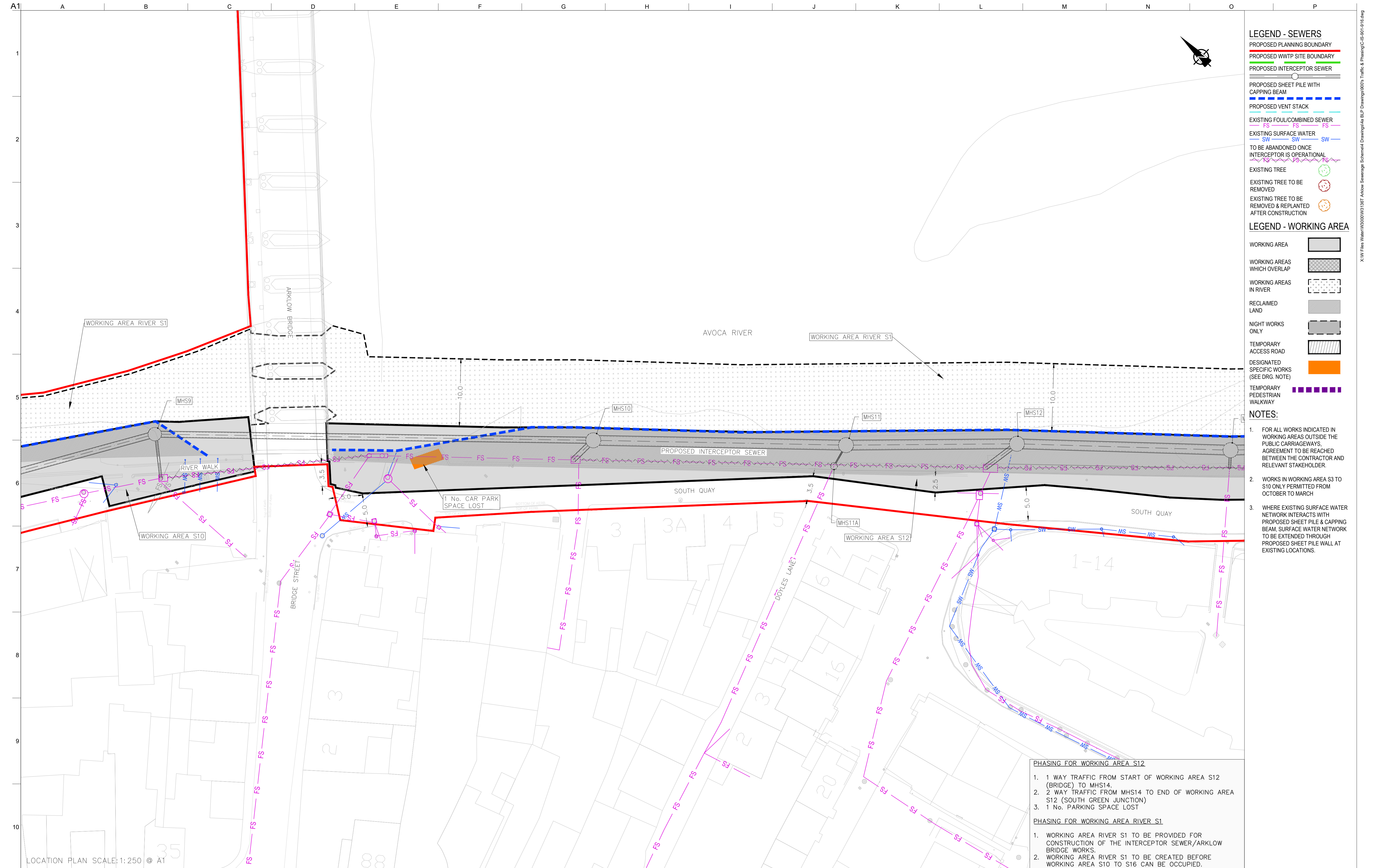
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 3 OF 16

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-903 Issue P1

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS



LEGEND - SEWERS

- PROPOSED PLANNING BOUNDARY
- PROPOSED WWTP SITE BOUNDARY
- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- WORKING AREAS IN RIVER
- RECLAIMED LAND
- NIGHT WORKS ONLY
- TEMPORARY ACCESS ROAD
- DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE AND CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

PHASING FOR WORKING AREA S12

1. 1 WAY TRAFFIC FROM START OF WORKING AREA S12 (BRIDGE) TO MHS14.
2. 2 WAY TRAFFIC FROM MHS14 TO END OF WORKING AREA S12 (SOUTH GREEN JUNCTION)
3. 1 No. PARKING SPACE LOST

PHASING FOR WORKING AREA RIVER S1

1. WORKING AREA RIVER S1 TO BE PROVIDED FOR CONSTRUCTION OF THE INTERCEPTOR SEWER/ARKLOW BRIDGE WORKS.
2. WORKING AREA RIVER S1 TO BE CREATED BEFORE WORKING AREA S10 TO S16 CAN BE OCCUPIED.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

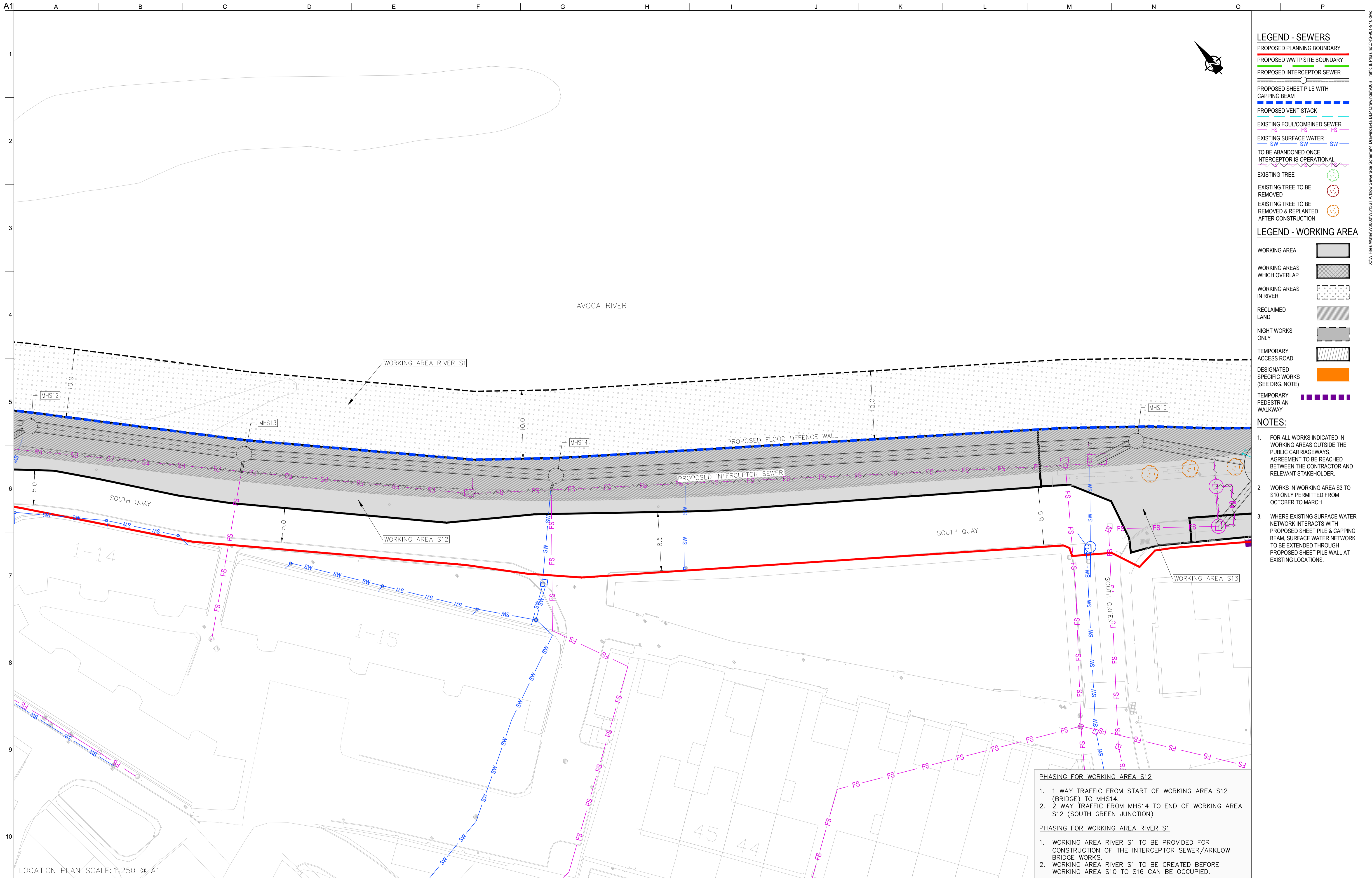
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 4 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-904

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- NOTES:**
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
 3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

- PHASING FOR WORKING AREA S12**
1. 1 WAY TRAFFIC FROM START OF WORKING AREA S12 (BRIDGE) TO MHS14.
 2. 2 WAY TRAFFIC FROM MHS14 TO END OF WORKING AREA S12 (SOUTH GREEN JUNCTION)
- PHASING FOR WORKING AREA RIVER S1**
1. WORKING AREA RIVER S1 TO BE PROVIDED FOR CONSTRUCTION OF THE INTERCEPTOR SEWER/ARKLOW BRIDGE WORKS.
 2. WORKING AREA RIVER S1 TO BE CREATED BEFORE WORKING AREA S10 TO S16 CAN BE OCCUPIED.

LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

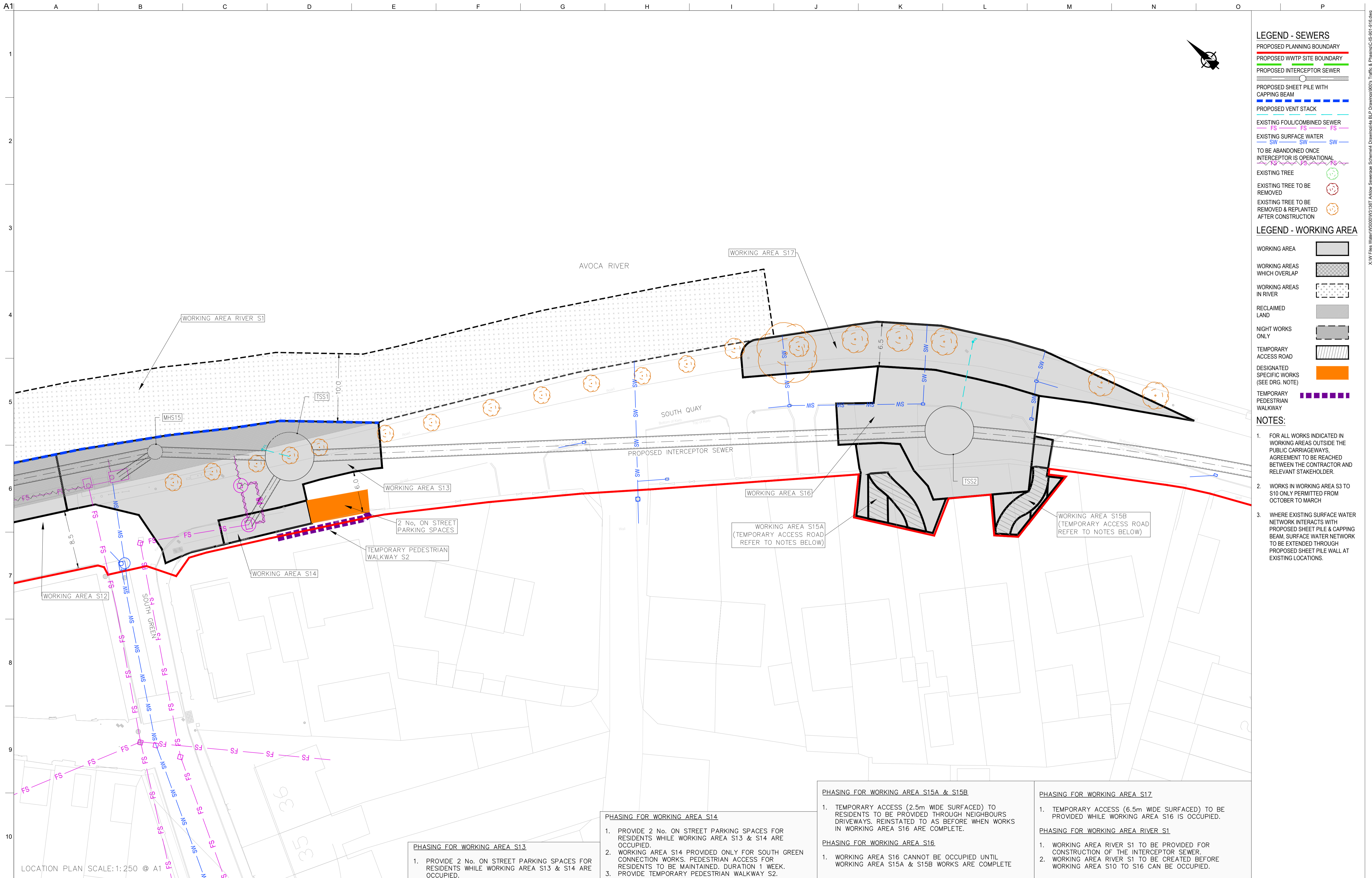
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 5 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-905

Issue
 P1



- ### LEGEND - SEWERS
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- ### LEGEND - WORKING AREA
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- ### NOTES:
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
 3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

PHASING FOR WORKING AREA S13

1. PROVIDE 2 No. ON STREET PARKING SPACES FOR RESIDENTS WHILE WORKING AREA S13 & S14 ARE OCCUPIED.

PHASING FOR WORKING AREA S14

1. PROVIDE 2 No. ON STREET PARKING SPACES FOR RESIDENTS WHILE WORKING AREA S13 & S14 ARE OCCUPIED.
2. WORKING AREA S14 PROVIDED ONLY FOR SOUTH GREEN CONNECTION WORKS. PEDESTRIAN ACCESS FOR RESIDENTS TO BE MAINTAINED. DURATION 1 WEEK.
3. PROVIDE TEMPORARY PEDESTRIAN WALKWAY S2.

PHASING FOR WORKING AREA S15A & S15B

1. TEMPORARY ACCESS (2.5m WIDE SURFACED) TO RESIDENTS TO BE PROVIDED THROUGH NEIGHBOURS DRIVEWAYS. REINSTATED TO AS BEFORE WHEN WORKS IN WORKING AREA S16 ARE COMPLETE.

PHASING FOR WORKING AREA S16

1. WORKING AREA S16 CANNOT BE OCCUPIED UNTIL WORKING AREA S15A & S15B WORKS ARE COMPLETE

PHASING FOR WORKING AREA S17

1. TEMPORARY ACCESS (6.5m WIDE SURFACED) TO BE PROVIDED WHILE WORKING AREA S16 IS OCCUPIED.

PHASING FOR WORKING AREA RIVER S1

1. WORKING AREA RIVER S1 TO BE PROVIDED FOR CONSTRUCTION OF THE INTERCEPTOR SEWER.
2. WORKING AREA RIVER S1 TO BE CREATED BEFORE WORKING AREA S10 TO S16 CAN BE OCCUPIED.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

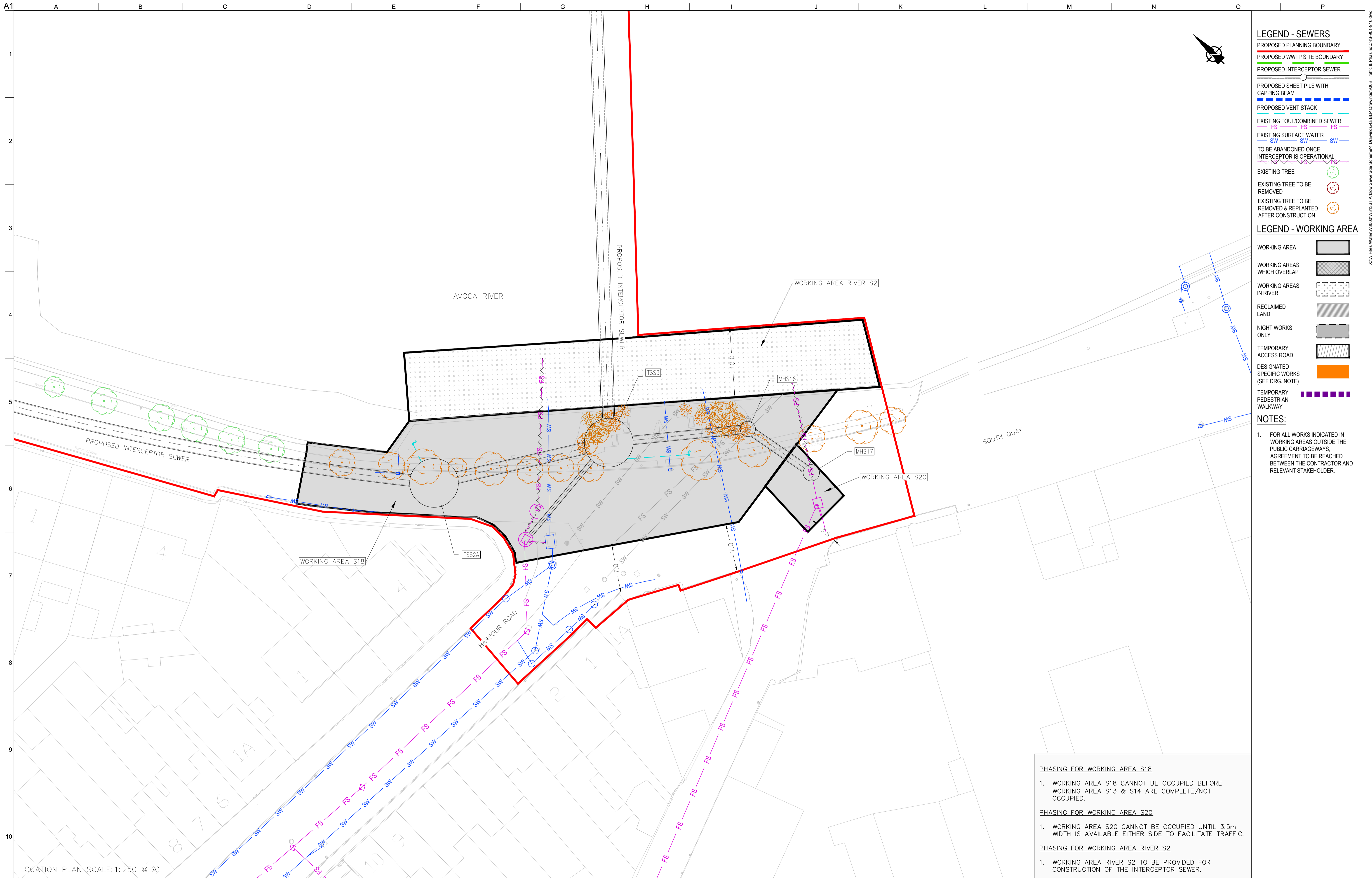
Discipline
 CIVIL



Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 6 OF 16

Drawing Status
PLANNING

Job No. 247825-00 Drawing No. C-IS-906 Issue P1



LEGEND - SEWERS

- PROPOSED PLANNING BOUNDARY
- PROPOSED WWTP SITE BOUNDARY
- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- WORKING AREAS IN RIVER
- RECLAIMED LAND
- NIGHT WORKS ONLY
- TEMPORARY ACCESS ROAD
- DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

PHASING FOR WORKING AREA S18

1. WORKING AREA S18 CANNOT BE OCCUPIED BEFORE WORKING AREA S13 & S14 ARE COMPLETE/NOT OCCUPIED.

PHASING FOR WORKING AREA S20

1. WORKING AREA S20 CANNOT BE OCCUPIED UNTIL 3.5m WIDTH IS AVAILABLE EITHER SIDE TO FACILITATE TRAFFIC.

PHASING FOR WORKING AREA RIVER S2

1. WORKING AREA RIVER S2 TO BE PROVIDED FOR CONSTRUCTION OF THE INTERCEPTOR SEWER.

LOCATION PLAN SCALE: 1: 250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

Client
ARUP BYRNELOOBY

Client
CLANCY MOORE ARCHITECTS

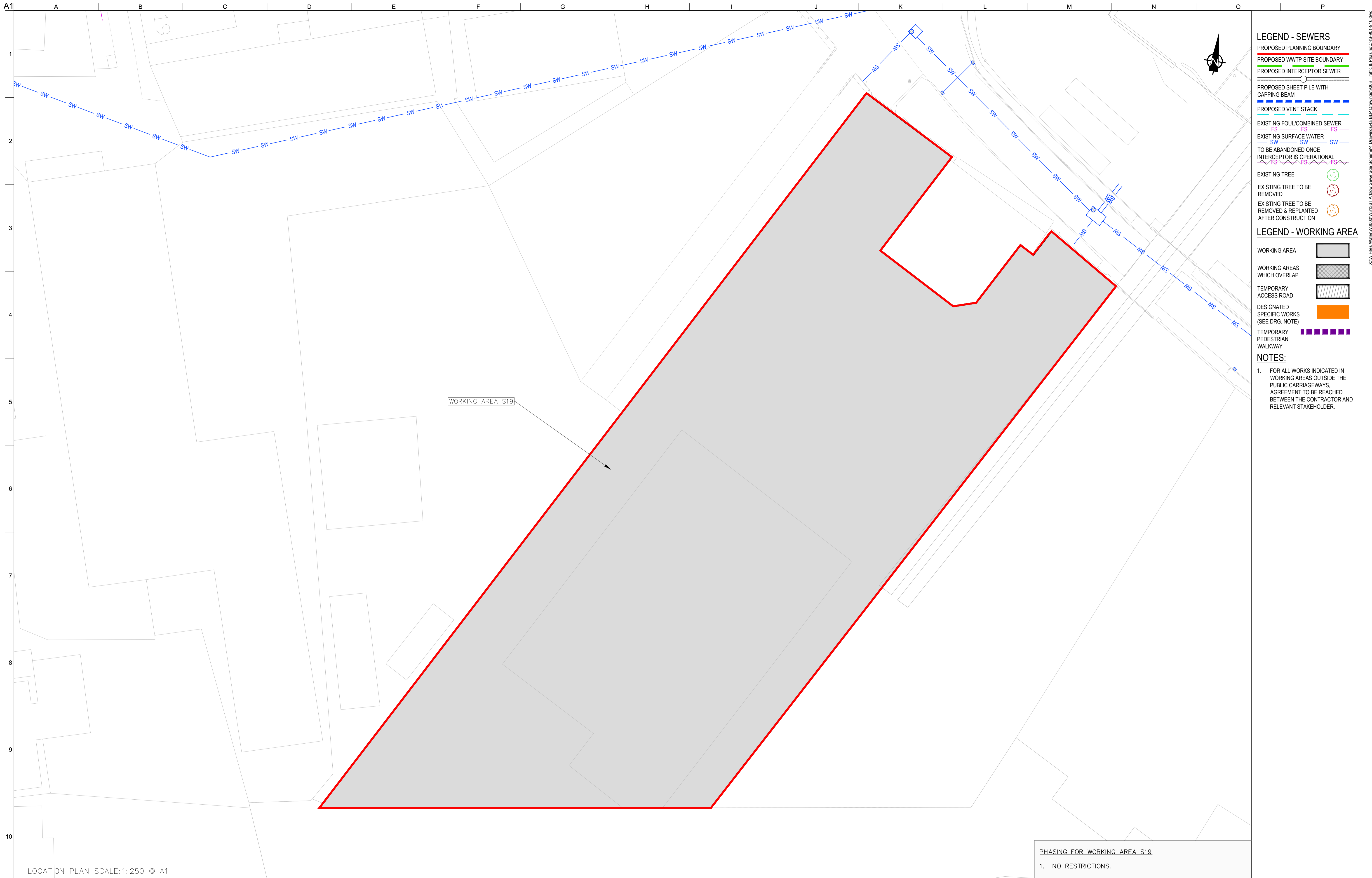
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 7 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-907

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

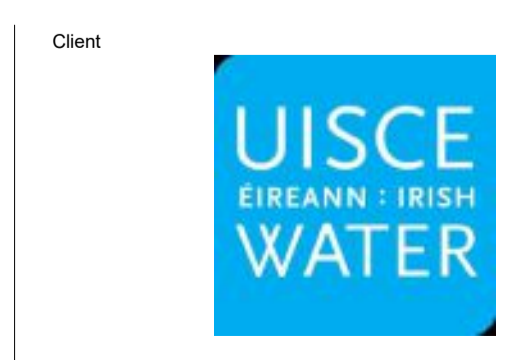
WORKING AREA S19

PHASING FOR WORKING AREA S19
1. NO RESTRICTIONS.

LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNELOOBY
CLANCY MOORE ARCHITECTS

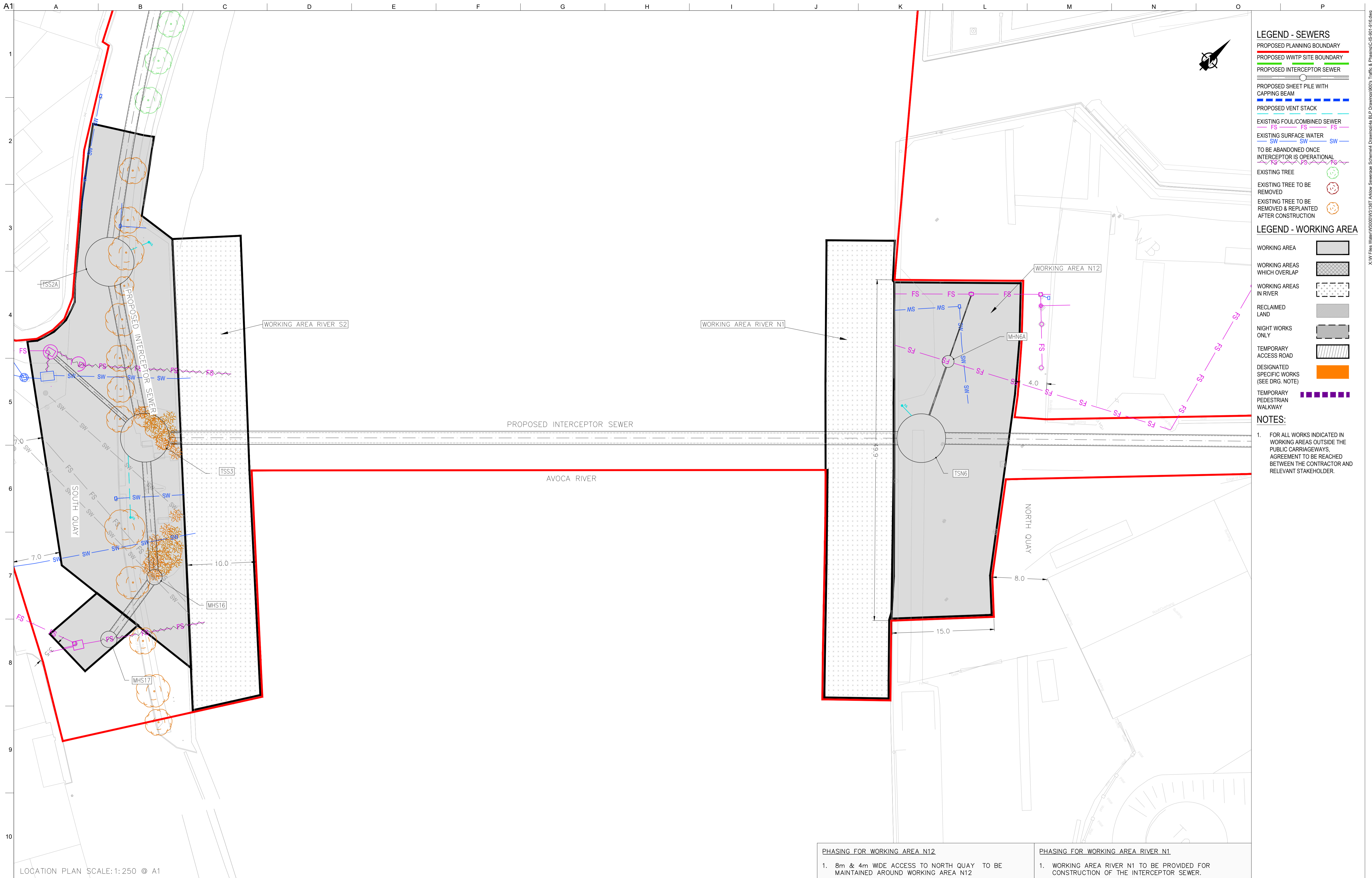
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 8 OF 16

Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-908

Issue
P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY
- NOTES:**
- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

LOCATION PLAN SCALE: 1:250 @ A1

PHASING FOR WORKING AREA N12

- 8m & 4m WIDE ACCESS TO NORTH QUAY TO BE MAINTAINED AROUND WORKING AREA N12

PHASING FOR WORKING AREA RIVER N1

- WORKING AREA RIVER N1 TO BE PROVIDED FOR CONSTRUCTION OF THE INTERCEPTOR SEWER.

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

OSi Ordnance Survey Ireland

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client: **UISCE ÉIREANN : IRISH WATER**

Job Title: **ARKLOW WASTEWATER TREATMENT PLANT PROJECT**

Scale at A1: AS SHOWN

Discipline: CIVIL

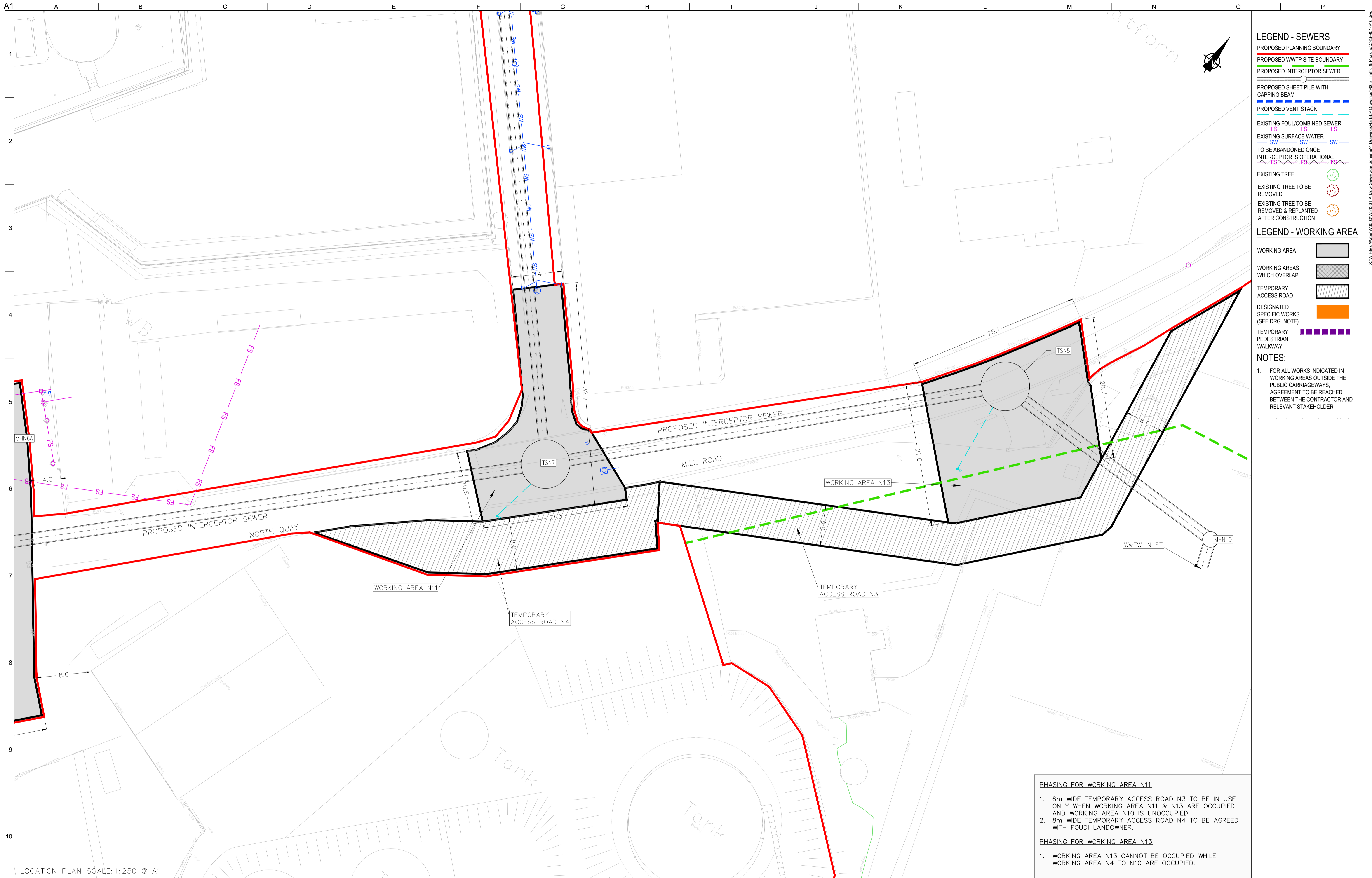
ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title: **TRAFFIC & PHASING LAYOUT PLAN 9 OF 16**

Drawing Status: **PLANNING**

Job No: 247825-00 | Drawing No: C-IS-909 | Issue: P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

PHASING FOR WORKING AREA N11

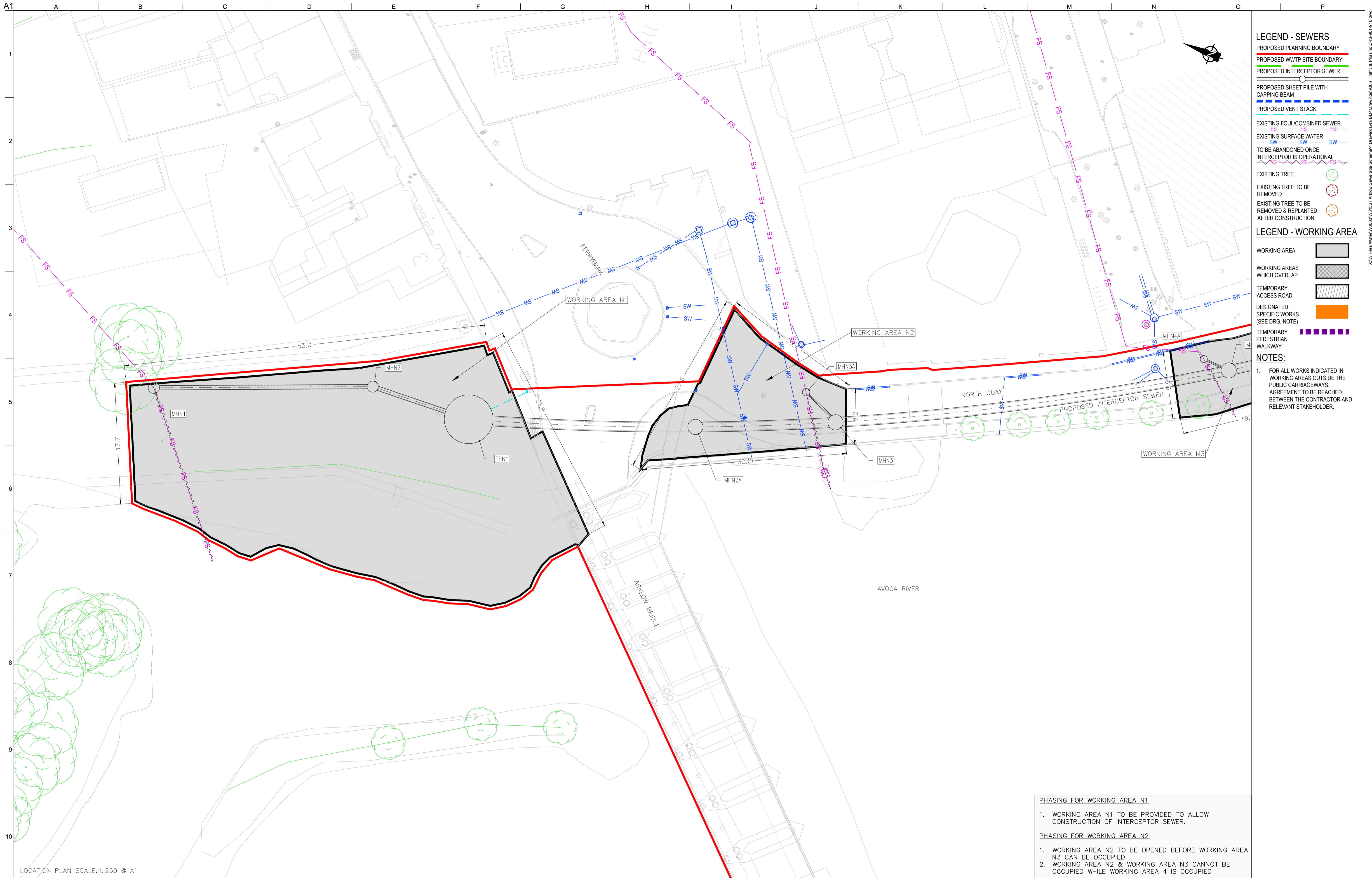
- 6m WIDE TEMPORARY ACCESS ROAD N3 TO BE IN USE ONLY WHEN WORKING AREA N11 & N13 ARE OCCUPIED AND WORKING AREA N10 IS UNOCCUPIED.
- 8m WIDE TEMPORARY ACCESS ROAD N4 TO BE AGREED WITH FOUDI LANDOWNER.

PHASING FOR WORKING AREA N13

- WORKING AREA N13 CANNOT BE OCCUPIED WHILE WORKING AREA N4 TO N10 ARE OCCUPIED.

LOCATION PLAN SCALE: 1:250 @ A1

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	<p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>TRAFFIC & PHASING LAYOUT PLAN 10 OF 16</p> <p>Drawing Status</p> <p>PLANNING</p> <table border="0" style="width: 100%;"> <tr> <td>Job No</td> <td>Drawing No</td> <td>Issue</td> </tr> <tr> <td>247825-00</td> <td>C-IS-910</td> <td>P1</td> </tr> </table>	Job No	Drawing No	Issue	247825-00	C-IS-910	P1
Job No	Drawing No	Issue									
247825-00	C-IS-910	P1									



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

PHASING FOR WORKING AREA N1

- WORKING AREA N1 TO BE PROVIDED TO ALLOW CONSTRUCTION OF INTERCEPTOR SEWER.

PHASING FOR WORKING AREA N2

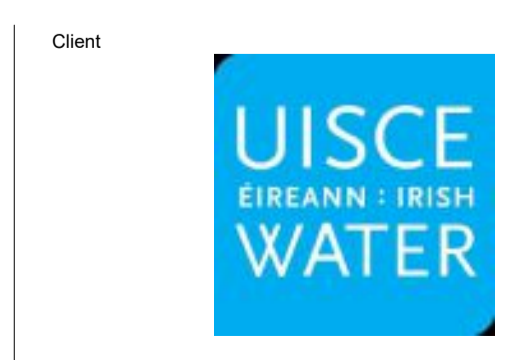
- WORKING AREA N2 TO BE OPENED BEFORE WORKING AREA N3 CAN BE OCCUPIED.
- WORKING AREA N2 & WORKING AREA N3 CANNOT BE OCCUPIED WHILE WORKING AREA 4 IS OCCUPIED

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

Client
ARUP BYRNE LOOBY

Discipline
CLANCY MOORE ARCHITECTS

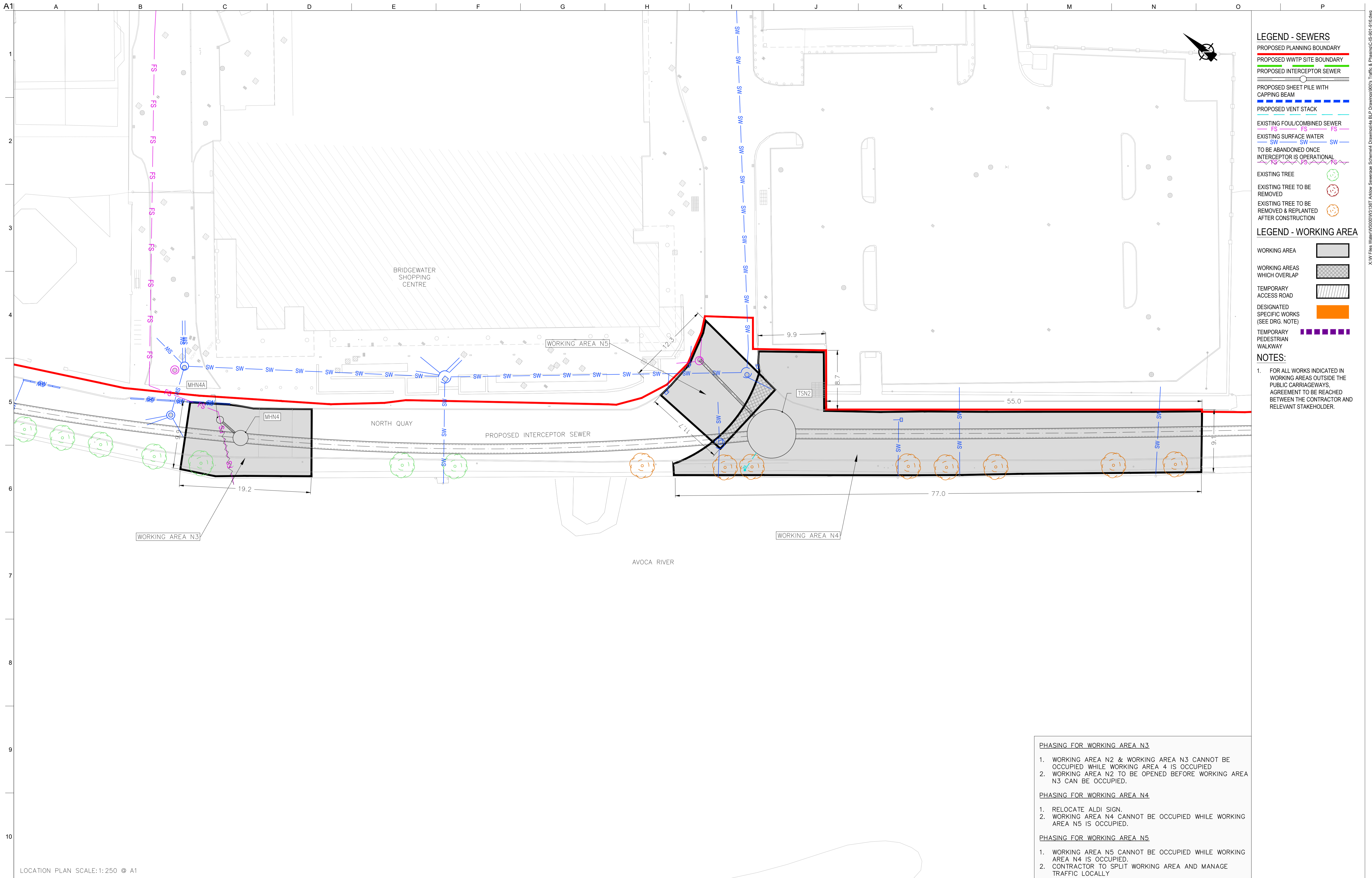
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 11 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-911

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

- PHASING FOR WORKING AREA N3**
- WORKING AREA N2 & WORKING AREA N3 CANNOT BE OCCUPIED WHILE WORKING AREA 4 IS OCCUPIED
 - WORKING AREA N2 TO BE OPENED BEFORE WORKING AREA N3 CAN BE OCCUPIED.
- PHASING FOR WORKING AREA N4**
- RELOCATE ALDI SIGN.
 - WORKING AREA N4 CANNOT BE OCCUPIED WHILE WORKING AREA N5 IS OCCUPIED.
- PHASING FOR WORKING AREA N5**
- WORKING AREA N5 CANNOT BE OCCUPIED WHILE WORKING AREA N4 IS OCCUPIED.
 - CONTRACTOR TO SPLIT WORKING AREA AND MANAGE TRAFFIC LOCALLY

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

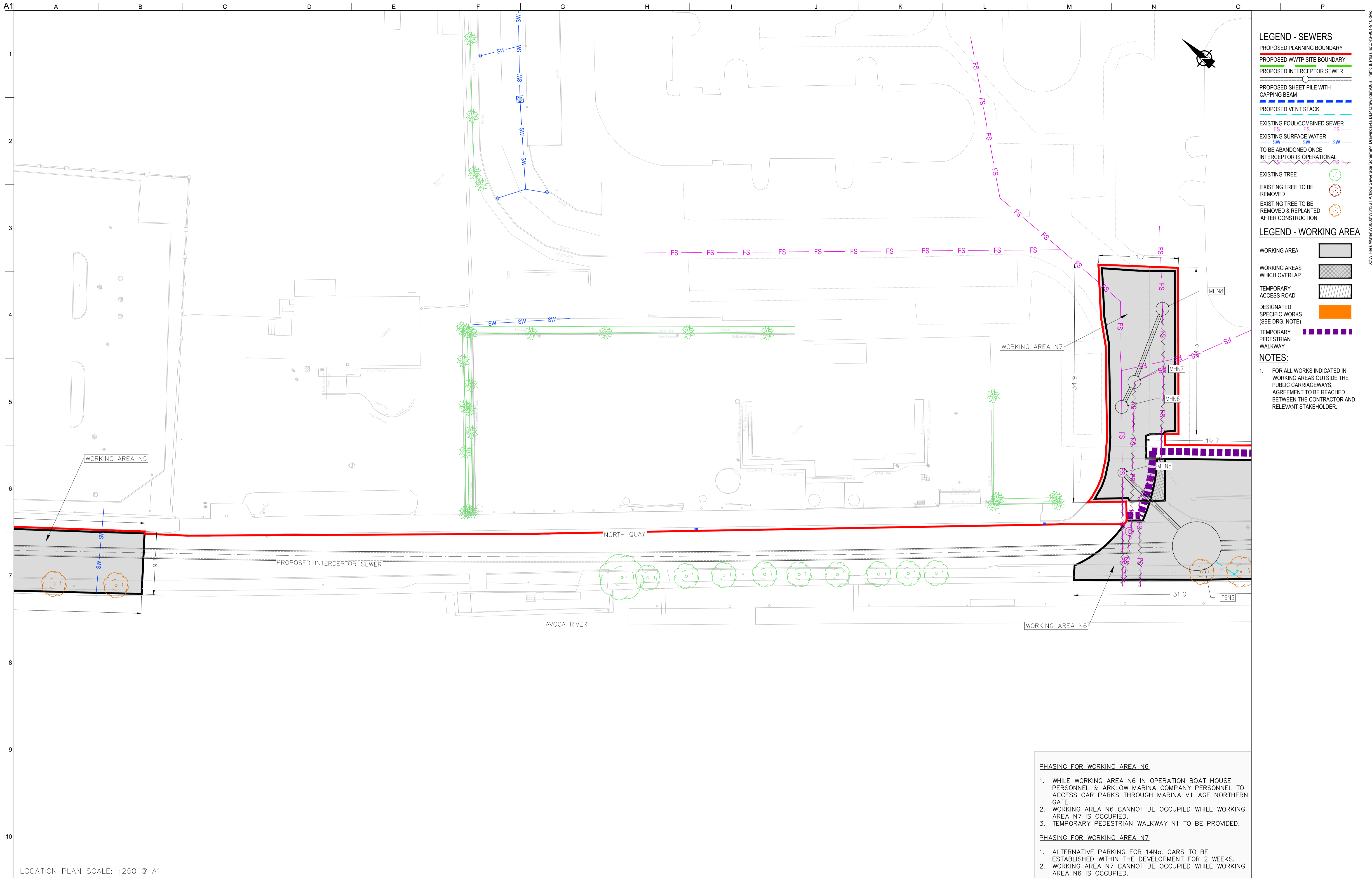
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 12 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-912

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

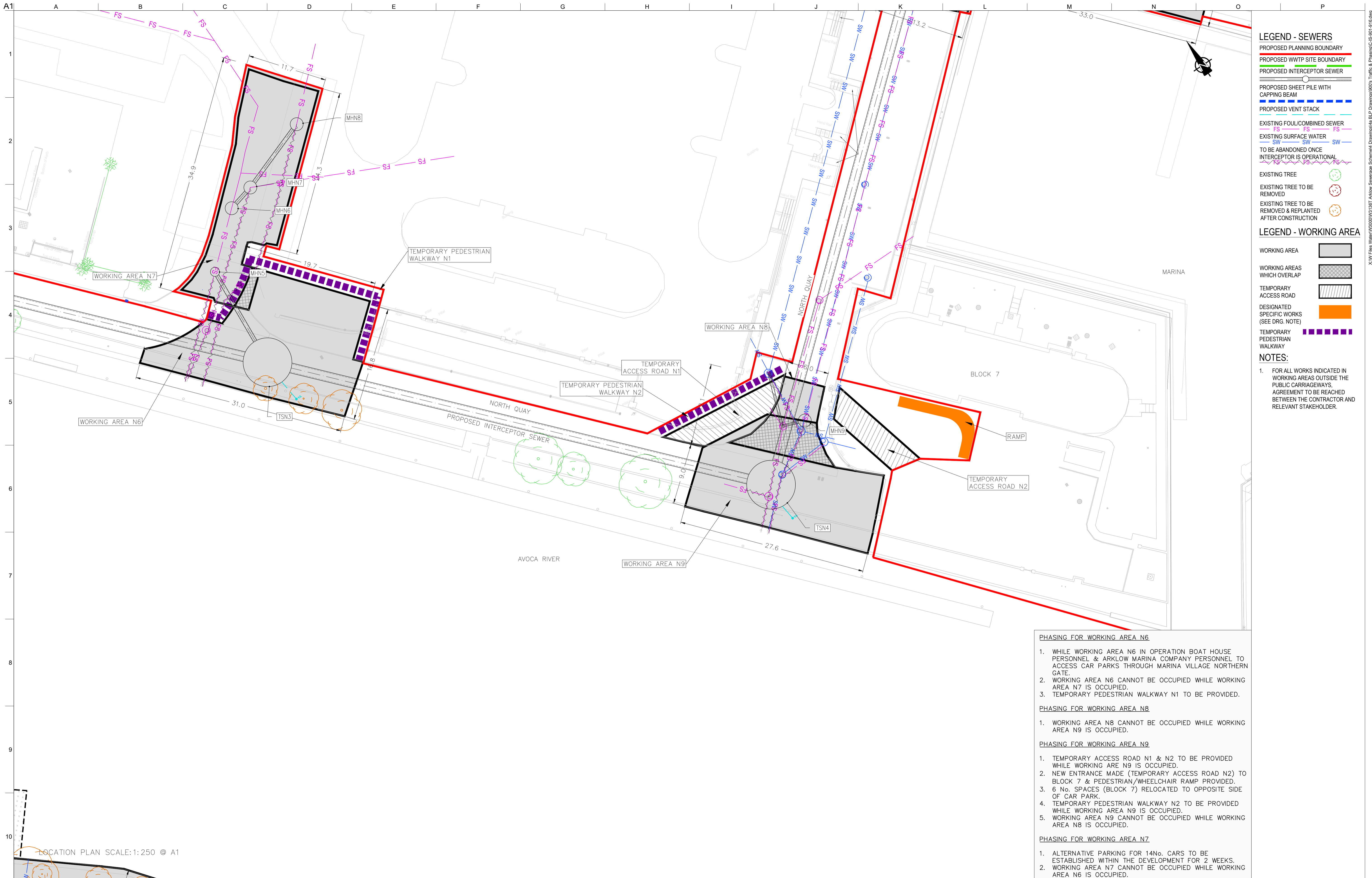
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- NOTES:**
- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

- PHASING FOR WORKING AREA N6**
- WHILE WORKING AREA N6 IN OPERATION BOAT HOUSE PERSONNEL & ARKLOW MARINA COMPANY PERSONNEL TO ACCESS CAR PARKS THROUGH MARINA VILLAGE NORTHERN GATE.
 - WORKING AREA N6 CANNOT BE OCCUPIED WHILE WORKING AREA N7 IS OCCUPIED.
 - TEMPORARY PEDESTRIAN WALKWAY N1 TO BE PROVIDED.
- PHASING FOR WORKING AREA N7**
- ALTERNATIVE PARKING FOR 14No. CARS TO BE ESTABLISHED WITHIN THE DEVELOPMENT FOR 2 WEEKS.
 - WORKING AREA N7 CANNOT BE OCCUPIED WHILE WORKING AREA N6 IS OCCUPIED.

LOCATION PLAN SCALE: 1:250 @ A1

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p>		<p>Drawing Title</p> <p>TRAFFIC & PHASING LAYOUT PLAN 13 OF 16</p>										
<p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>		<p>CLANCY MOORE ARCHITECTS</p>		<p>Drawing Status</p> <p>PLANNING</p>											
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>P1</th> <th>04/09/18</th> <th>MS</th> <th>DR</th> <th>ES</th> </tr> </thead> <tbody> <tr> <td>Issue</td> <td>Date</td> <td>By</td> <td>Chkd</td> <td>Appd</td> </tr> </tbody> </table>		P1	04/09/18	MS	DR	ES	Issue	Date	By	Chkd	Appd	<p>Job No</p> <p>247825-00</p>		<p>Drawing No</p> <p>C-IS-913</p>	
P1	04/09/18	MS	DR	ES											
Issue	Date	By	Chkd	Appd											
		<p>Issue</p> <p>P1</p>													



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

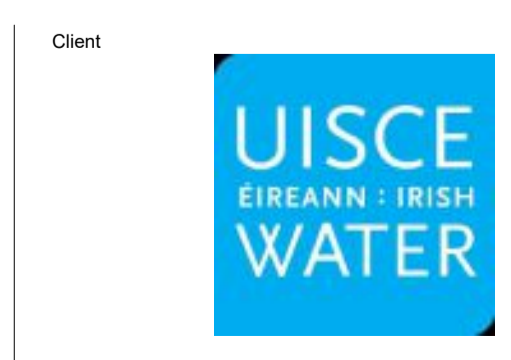
- PHASING FOR WORKING AREA N6**
- WHILE WORKING AREA N6 IN OPERATION BOAT HOUSE PERSONNEL & ARKLOW MARINA COMPANY PERSONNEL TO ACCESS CAR PARKS THROUGH MARINA VILLAGE NORTHERN GATE.
 - WORKING AREA N6 CANNOT BE OCCUPIED WHILE WORKING AREA N7 IS OCCUPIED.
 - TEMPORARY PEDESTRIAN WALKWAY N1 TO BE PROVIDED.
- PHASING FOR WORKING AREA N8**
- WORKING AREA N8 CANNOT BE OCCUPIED WHILE WORKING AREA N9 IS OCCUPIED.
- PHASING FOR WORKING AREA N9**
- TEMPORARY ACCESS ROAD N1 & N2 TO BE PROVIDED WHILE WORKING ARE N9 IS OCCUPIED.
 - NEW ENTRANCE MADE (TEMPORARY ACCESS ROAD N2) TO BLOCK 7 & PEDESTRIAN/WHEELCHAIR RAMP PROVIDED.
 - 6 No. SPACES (BLOCK 7) RELOCATED TO OPPOSITE SIDE OF CAR PARK.
 - TEMPORARY PEDESTRIAN WALKWAY N2 TO BE PROVIDED WHILE WORKING AREA N9 IS OCCUPIED.
 - WORKING AREA N9 CANNOT BE OCCUPIED WHILE WORKING AREA N8 IS OCCUPIED.
- PHASING FOR WORKING AREA N7**
- ALTERNATIVE PARKING FOR 14No. CARS TO BE ESTABLISHED WITHIN THE DEVELOPMENT FOR 2 WEEKS.
 - WORKING AREA N7 CANNOT BE OCCUPIED WHILE WORKING AREA N6 IS OCCUPIED.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

Client
ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

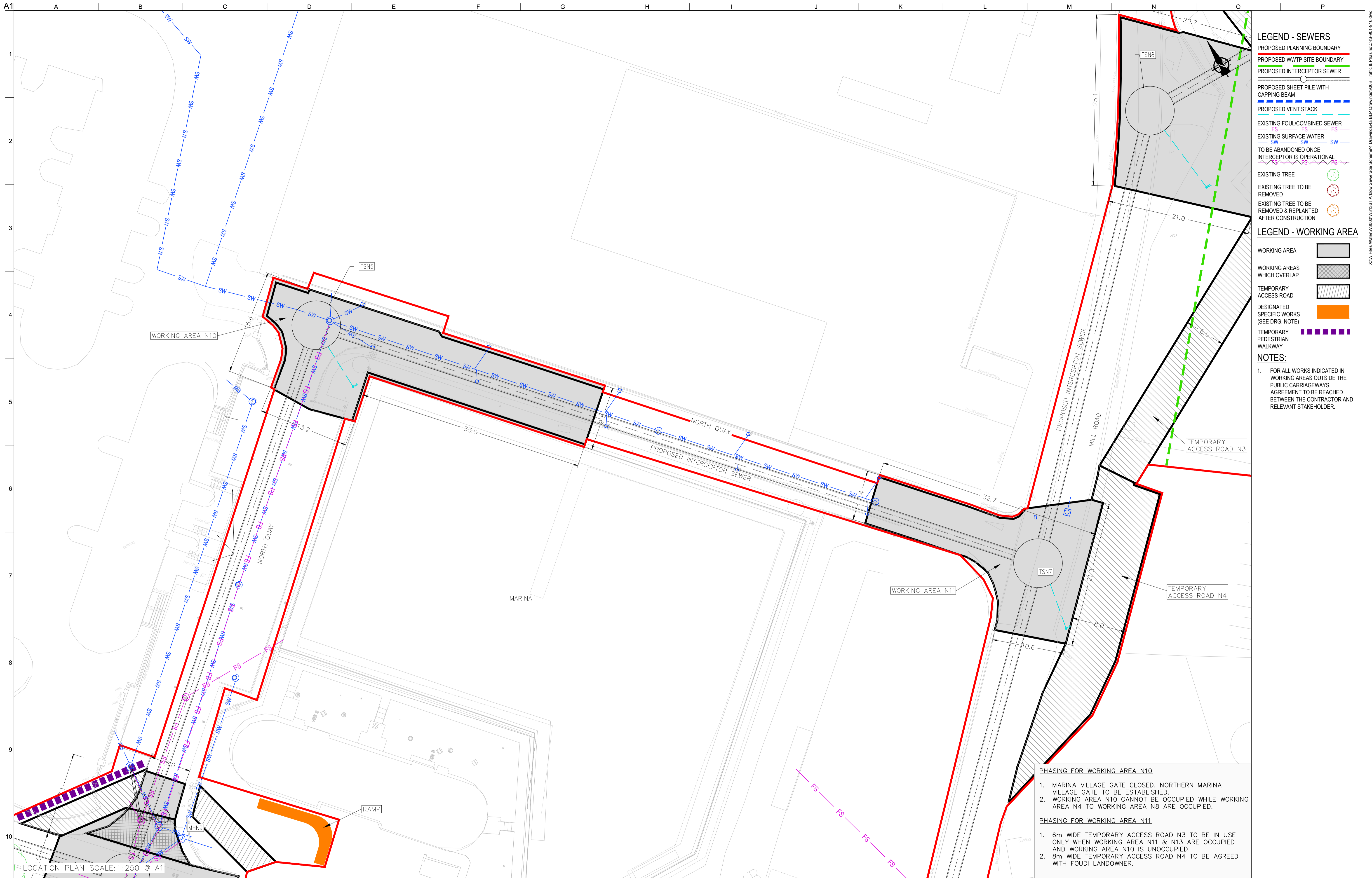
Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 14 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-914

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

- PHASING FOR WORKING AREA N10**
- MARINA VILLAGE GATE CLOSED. NORTHERN MARINA VILLAGE GATE TO BE ESTABLISHED.
 - WORKING AREA N10 CANNOT BE OCCUPIED WHILE WORKING AREA N4 TO WORKING AREA N8 ARE OCCUPIED.
- PHASING FOR WORKING AREA N11**
- 6m WIDE TEMPORARY ACCESS ROAD N3 TO BE IN USE ONLY WHEN WORKING AREA N11 & N13 ARE OCCUPIED AND WORKING AREA N10 IS UNOCCUPIED.
 - 8m WIDE TEMPORARY ACCESS ROAD N4 TO BE AGREED WITH FOUDI LANDOWNER.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 AS SHOWN

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 15 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-915

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

TEMPORARY ACCESS ROAD N5

Tennis Ground

PHASING FOR TEMPORARY ACCESS ROAD N5
1. NO RESTRICTIONS.

LOCATION PLAN SCALE: 1:500 @ A1

Do not scale

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC & PHASING LAYOUT PLAN 16 OF 16

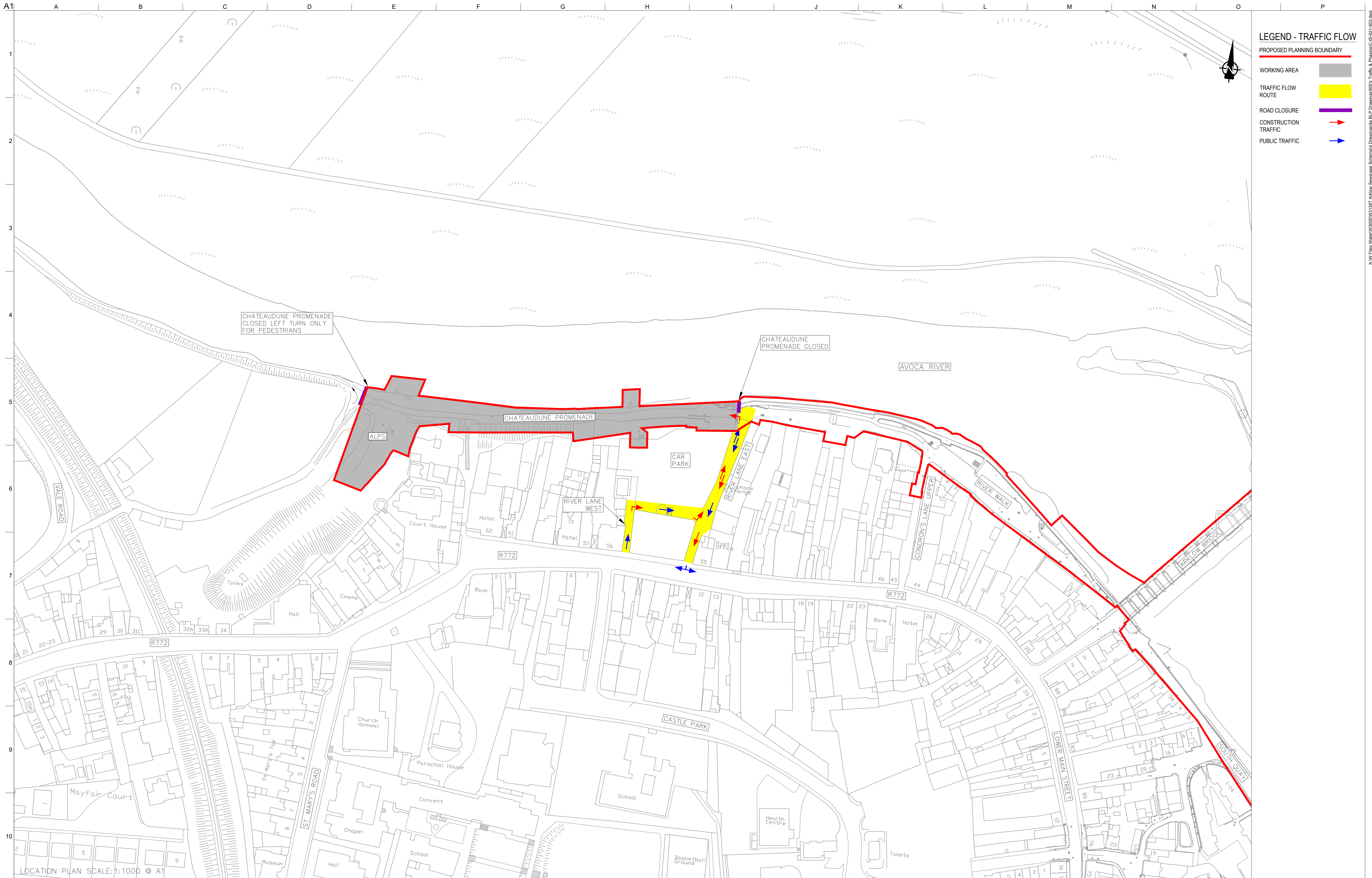
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-916

Issue
P1

X:\W\Plan\Water\W0200193\1817 Arklow Wastewater Scheme\Drawings\BP Drawings\810's Traffic & Phasing\C-16-916.dwg © Arup



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY —
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC →
- PUBLIC TRAFFIC →

CHATEAUDUNE PROMENADE
CLOSED LEFT TURN ONLY
FOR PEDESTRIANS

CHATEAUDUNE
PROMENADE CLOSED

AVOCA RIVER

CHATEAUDUNE PROMENADE

ALPS

CAR PARK

RIVER LANE WEST

RIVER LANE EAST

CONDROUN'S LANE UPPER

RIVER WALK

ARKLOW BRIDGE

R772

R772

R772

CASTLE PARK

Church (Catholic)

Parochial House

Convent

School

Health Centre

Toilets

Basketball Ground

Hall

Museum

St Mary's Twp

ST. MARY'S ROAD

LOWER MAIN STREET

SOUTH QUAY

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Client

Job Title
**ARKLOW WASTEWATER
TREATMENT PLANT PROJECT**

Scale at A1 AS SHOWN

Discipline
CIVIL

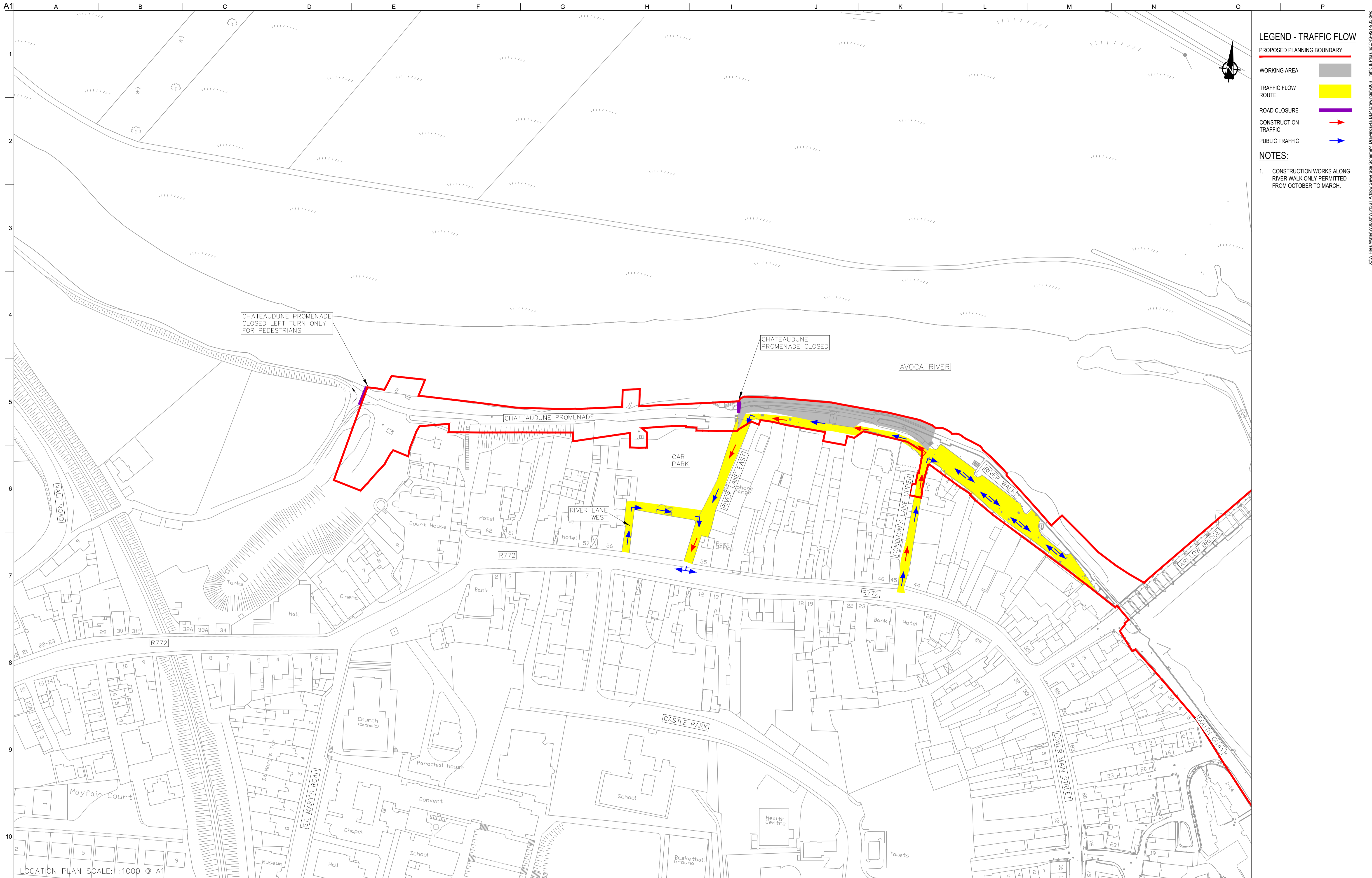
ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
**TRAFFIC FLOW MANAGEMENT
STAGE A WORKS
1 OF 13**

Drawing Status
PLANNING

Job No 247825-00	Drawing No C-IS-921	Issue P1
---------------------	------------------------	-------------



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC
- PUBLIC TRAFFIC

NOTES:

1. CONSTRUCTION WORKS ALONG RIVER WALK ONLY PERMITTED FROM OCTOBER TO MARCH.

CHATEAUDUNE PROMENADE CLOSED LEFT TURN ONLY FOR PEDESTRIANS

CHATEAUDUNE PROMENADE CLOSED

AVOCA RIVER

CHATEAUDUNE PROMENADE

CAR PARK

RIVER LANE WEST

RIVER LANE EAST

CONDRON'S LANE UPPER

RIVER WALK

PARKLOW BRIDGE

SOUTH BURY ST

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Client
UISCE ÉIREANN: IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE B WORKS 2 OF 13

Drawing Status
PLANNING

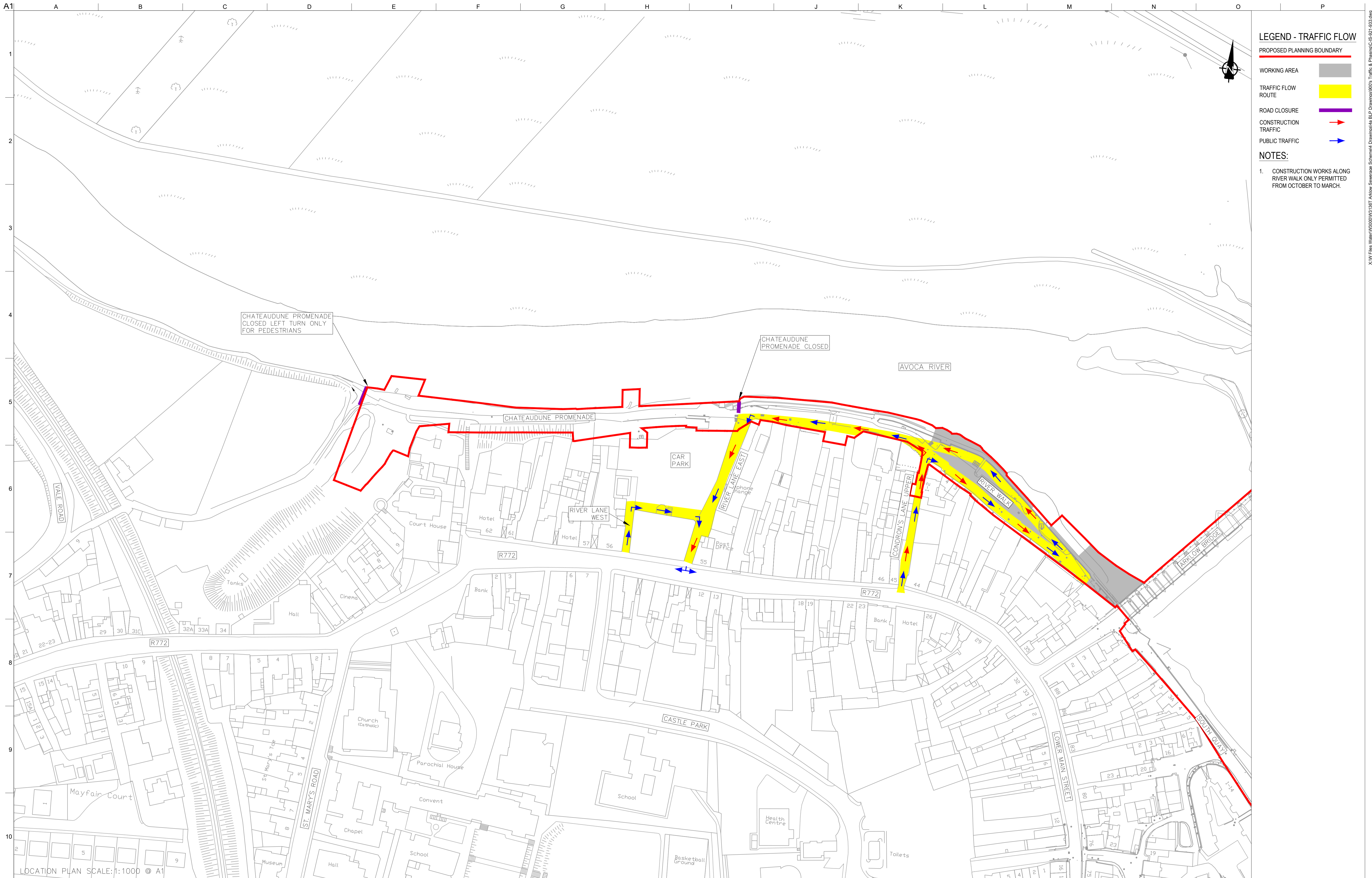
Job No
 247825-00

Drawing No
 C-IS-922

Issue
 P1

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

X:\W\Plan\W0200193\1387_Arklow_Sewerage_Scheme\2 Drawings\801's Traffic & Planning\C-92-922-00.dwg



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC
- PUBLIC TRAFFIC

NOTES:

1. CONSTRUCTION WORKS ALONG RIVER WALK ONLY PERMITTED FROM OCTOBER TO MARCH.

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline
 CIVIL

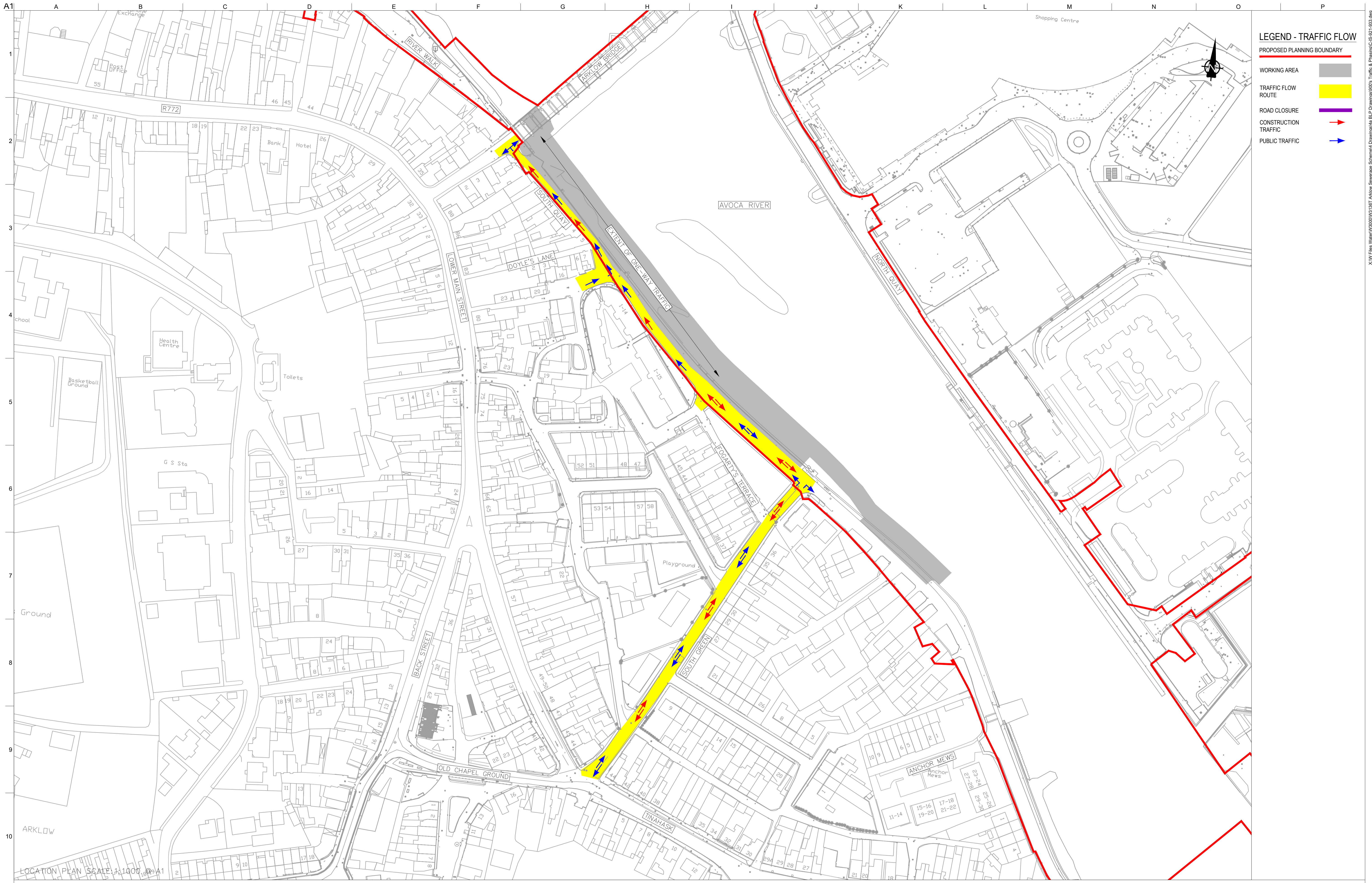
CLANCY MOORE ARCHITECTS

Drawing Title
**TRAFFIC FLOW MANAGEMENT
 STAGE C WORKS
 3 OF 13**

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-923 Issue P1

X:\W\Plan\Water\W0200193\1387 Arklow Sewerage Scheme\2 Drawings\801's Traffic & Planning\C-92-923.dwg



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY —
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC →
- PUBLIC TRAFFIC →

LOCATION PLAN SCALE 1:1000 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline CIVIL

ARUP BYRNE LOOBY

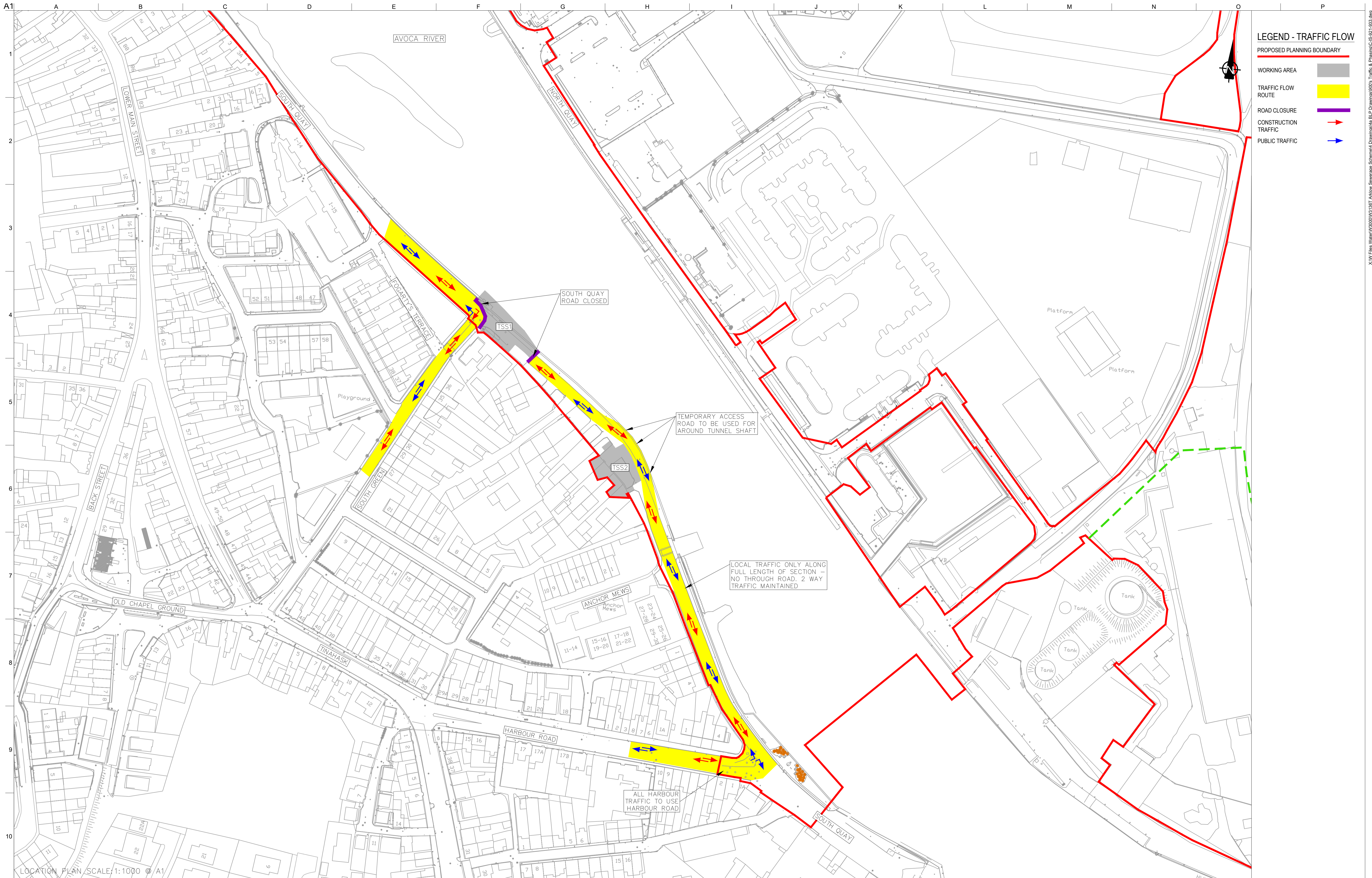
CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE D WORKS 4 OF 13

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-924 Issue P1

X:\W\Plan\Water\2018\18187 Arklow Sewerage Scheme\Drawings\BP Drawings\013 Traffic & Planning\C-924-01-003.dwg



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY —
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC →
- PUBLIC TRAFFIC →

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline CIVIL

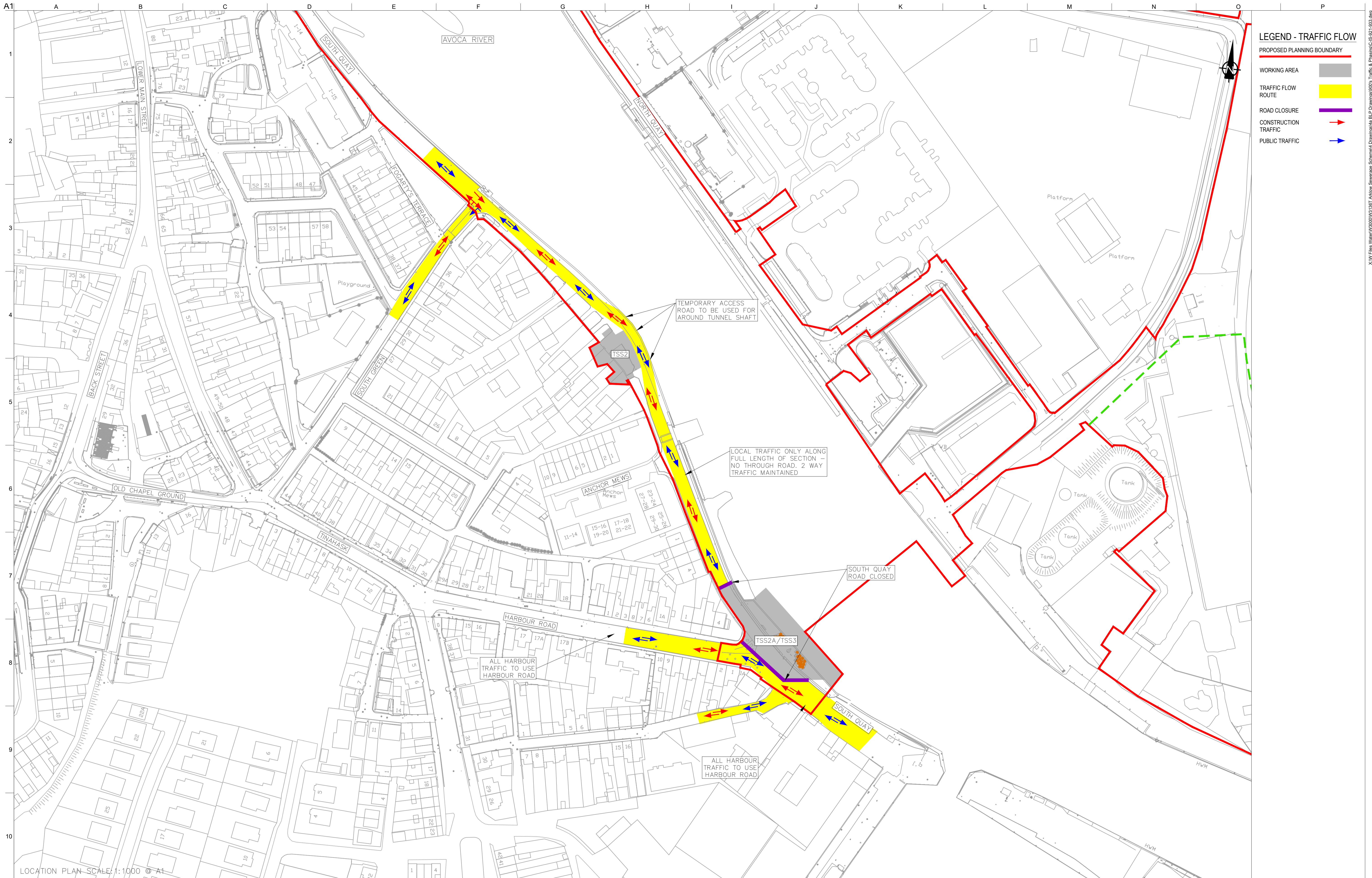
ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE E WORKS 5 OF 13

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-925 Issue P1



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY (Red line)
- WORKING AREA (Grey shaded area)
- TRAFFIC FLOW ROUTE (Yellow arrow)
- ROAD CLOSURE (Purple line)
- CONSTRUCTION TRAFFIC (Red arrow)
- PUBLIC TRAFFIC (Blue arrow)

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

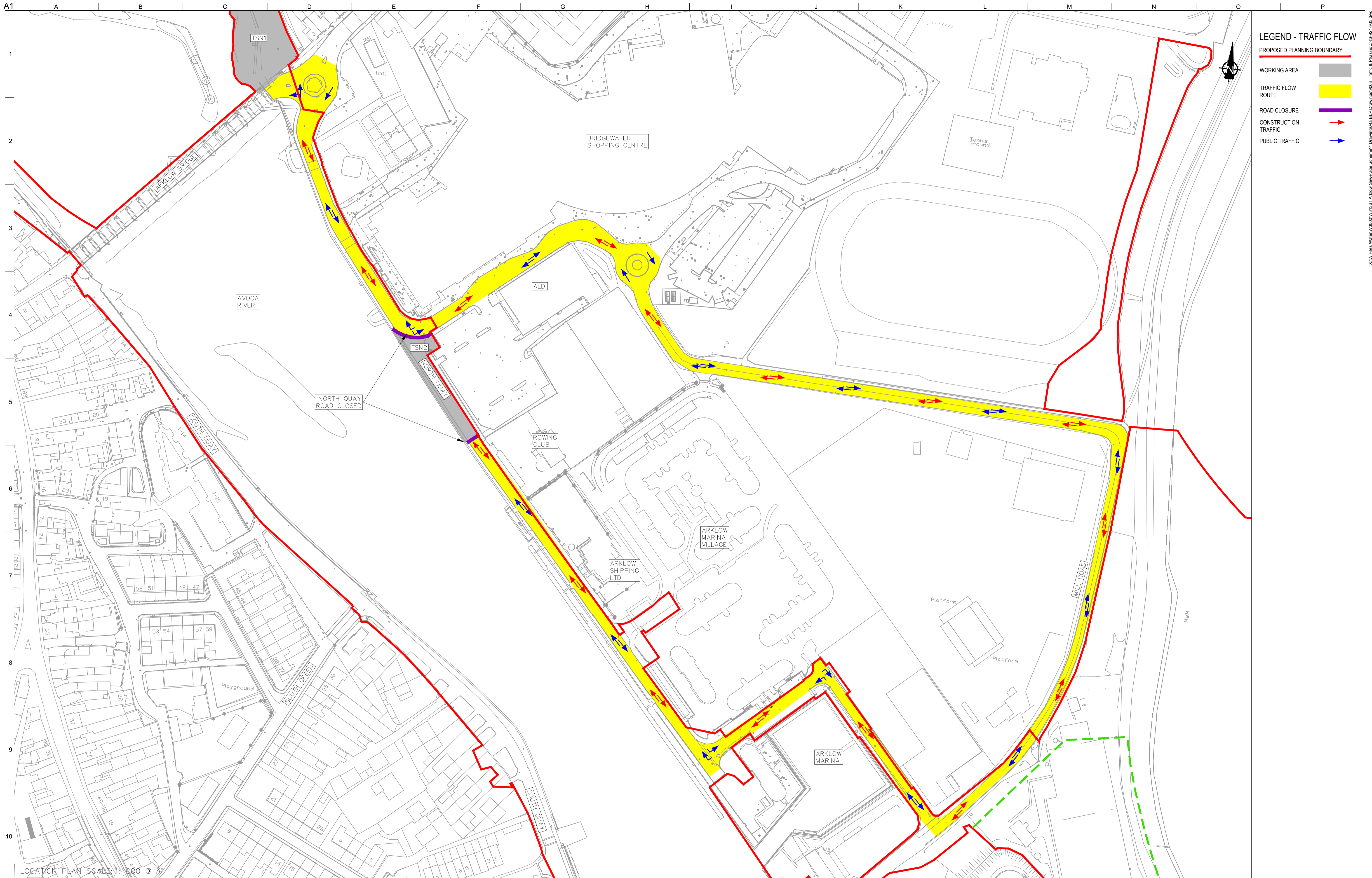
Discipline CIVIL

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE F WORKS 6 OF 13

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-926 Issue P1



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY —
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC →
- PUBLIC TRAFFIC →

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline
 CIVIL

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE G WORKS
 7 OF 13

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-927 Issue P1



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY —
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC →
- PUBLIC TRAFFIC →



LOCATION PLAN SCALE: 1:1000 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline CIVIL

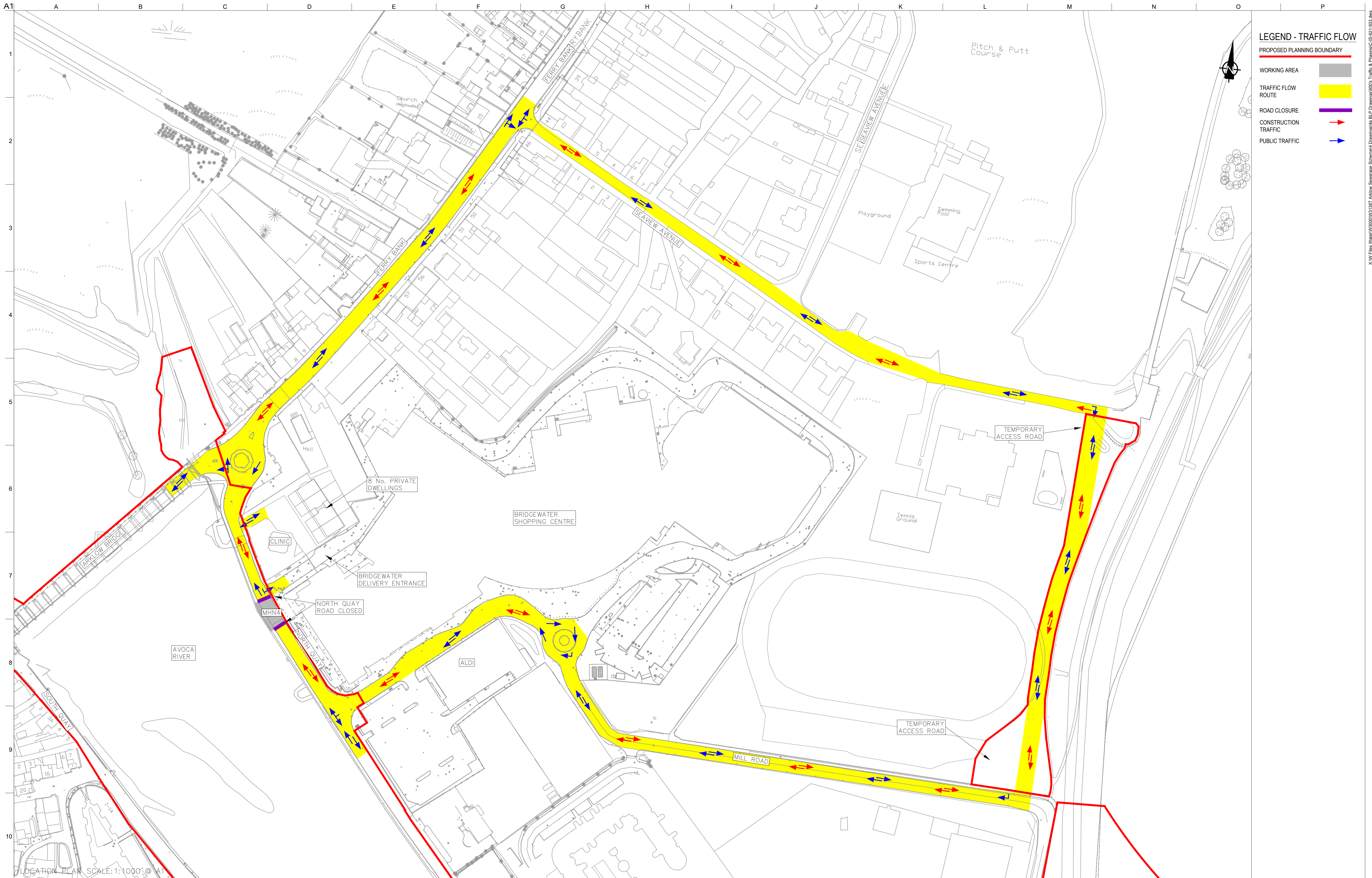
ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE H WORKS 8 OF 13

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-928 Issue P1



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC
- PUBLIC TRAFFIC

LOCATION PLAN SCALE: 1:1000 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

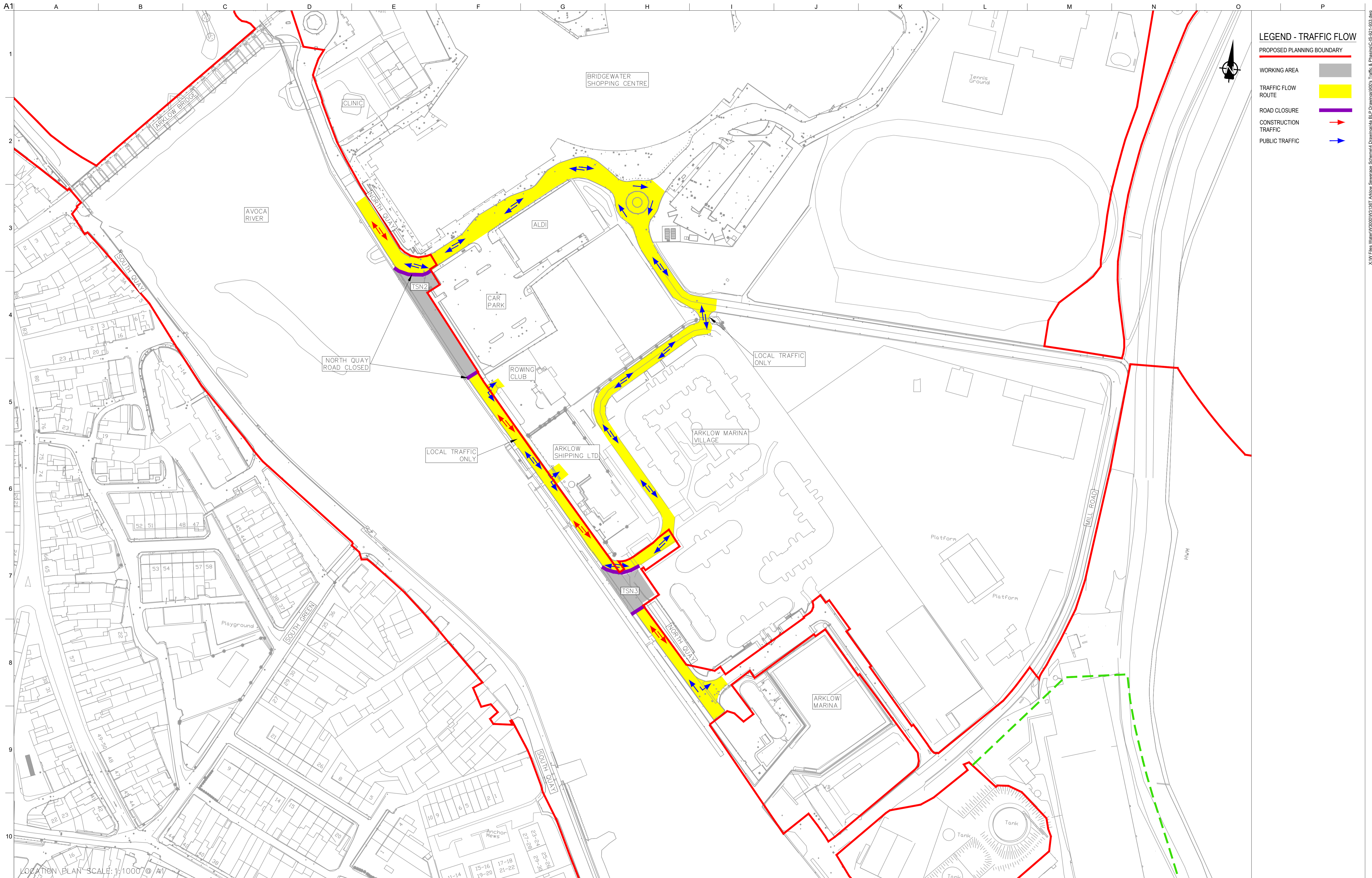
Discipline
 CIVIL

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE 1 WORKS
 9 OF 13

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-929 Issue P1



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC
- PUBLIC TRAFFIC

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE J WORKS
 10 OF 13

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-930

Issue
 P1



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC
- PUBLIC TRAFFIC

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE K WORKS
 11 OF 13

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-931

Issue
 P1



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY (Red line)
- WORKING AREA (Grey shaded)
- TRAFFIC FLOW ROUTE (Yellow shaded)
- ROAD CLOSURE (Purple line)
- CONSTRUCTION TRAFFIC (Red arrow)
- PUBLIC TRAFFIC (Blue arrow)

LOCATION PLAN SCALE: 1:1000 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
UISCE EIREANN: IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL



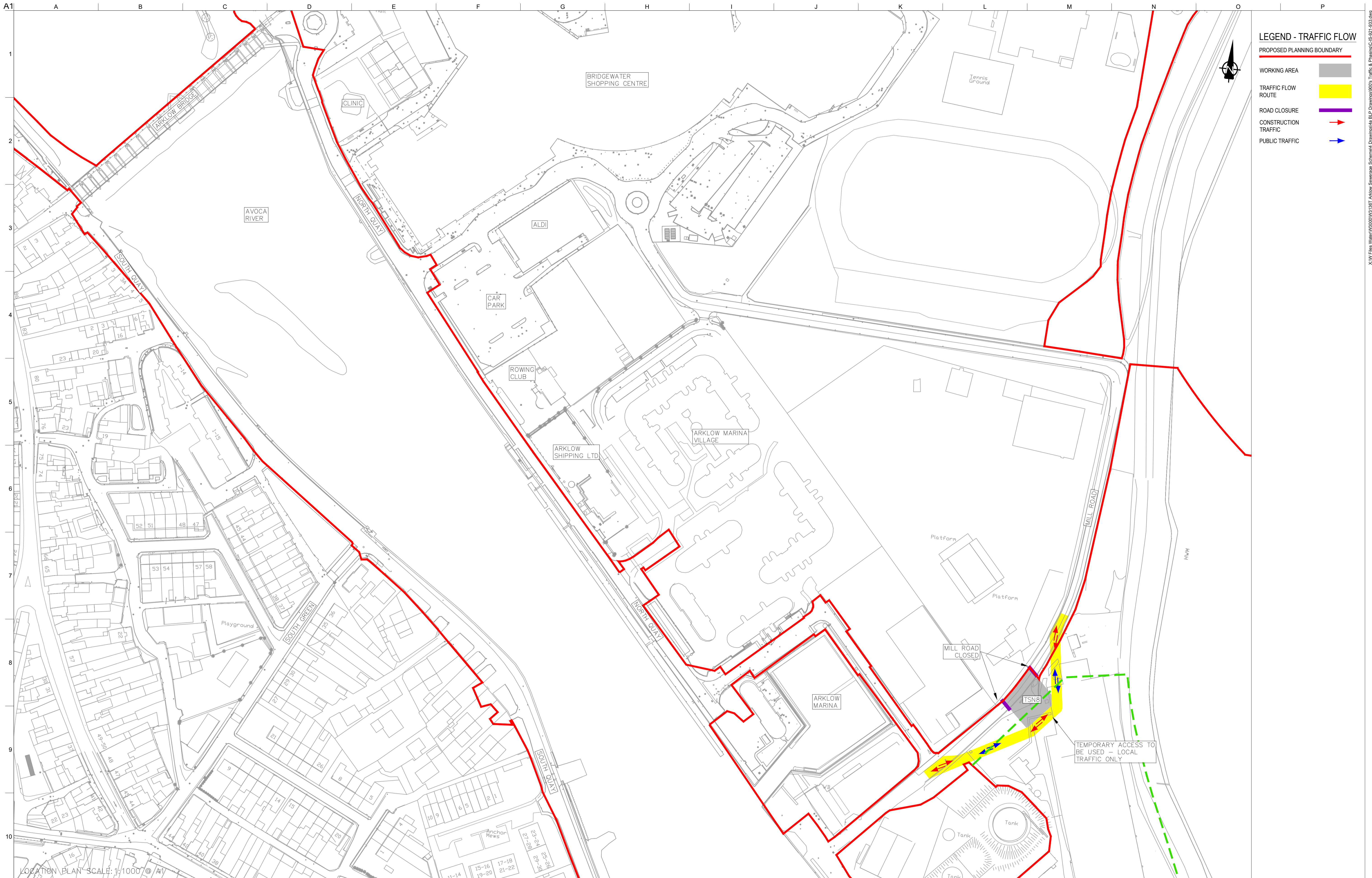
Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE L WORKS 12 OF 13

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-932

Issue
 P1



LEGEND - TRAFFIC FLOW

- PROPOSED PLANNING BOUNDARY —
- WORKING AREA
- TRAFFIC FLOW ROUTE
- ROAD CLOSURE
- CONSTRUCTION TRAFFIC →
- PUBLIC TRAFFIC →

LOCATION PLAN SCALE: 1/1000 © A17

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

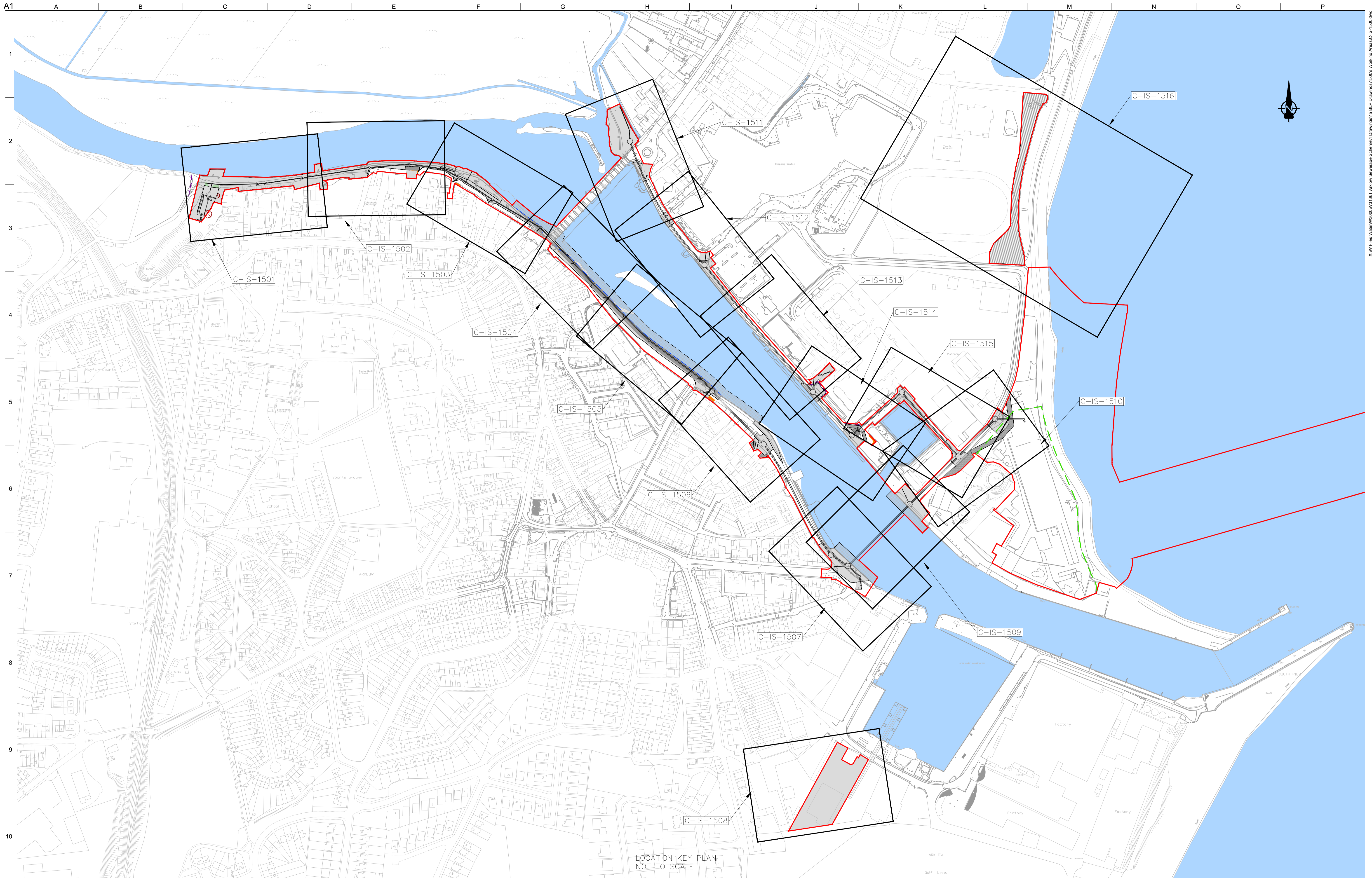
Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
 Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1 AS SHOWN
 Discipline CIVIL

ARUP BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

Drawing Title
TRAFFIC FLOW MANAGEMENT STAGE M WORKS 13 OF 13
 Drawing Status
PLANNING
 Job No 247825-00 Drawing No C-IS-933 Issue P1



LOCATION KEY PLAN
NOT TO SCALE

LEGEND		LEGEND - WORKING AREA	
PROPOSED PLANNING BOUNDARY		WORKING AREA	
PROPOSED WWTP SITE BOUNDARY		WORKING AREAS WHICH OVERLAP	
PROPOSED INTERCEPTOR SEWER		TEMPORARY ACCESS ROAD	
PROPOSED SHEET PILE WITH CAPPING BEAM		NIGHT WORKS ONLY	
RECLAIMED LAND		WORKING AREAS IN RIVER	
		TEMPORARY PEDESTRIAN WALKWAY	

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
UISCE ÉIREANN : IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
AS SHOWN

Discipline
CIVIL



Drawing Title
WORKING AREAS KEY PLAN

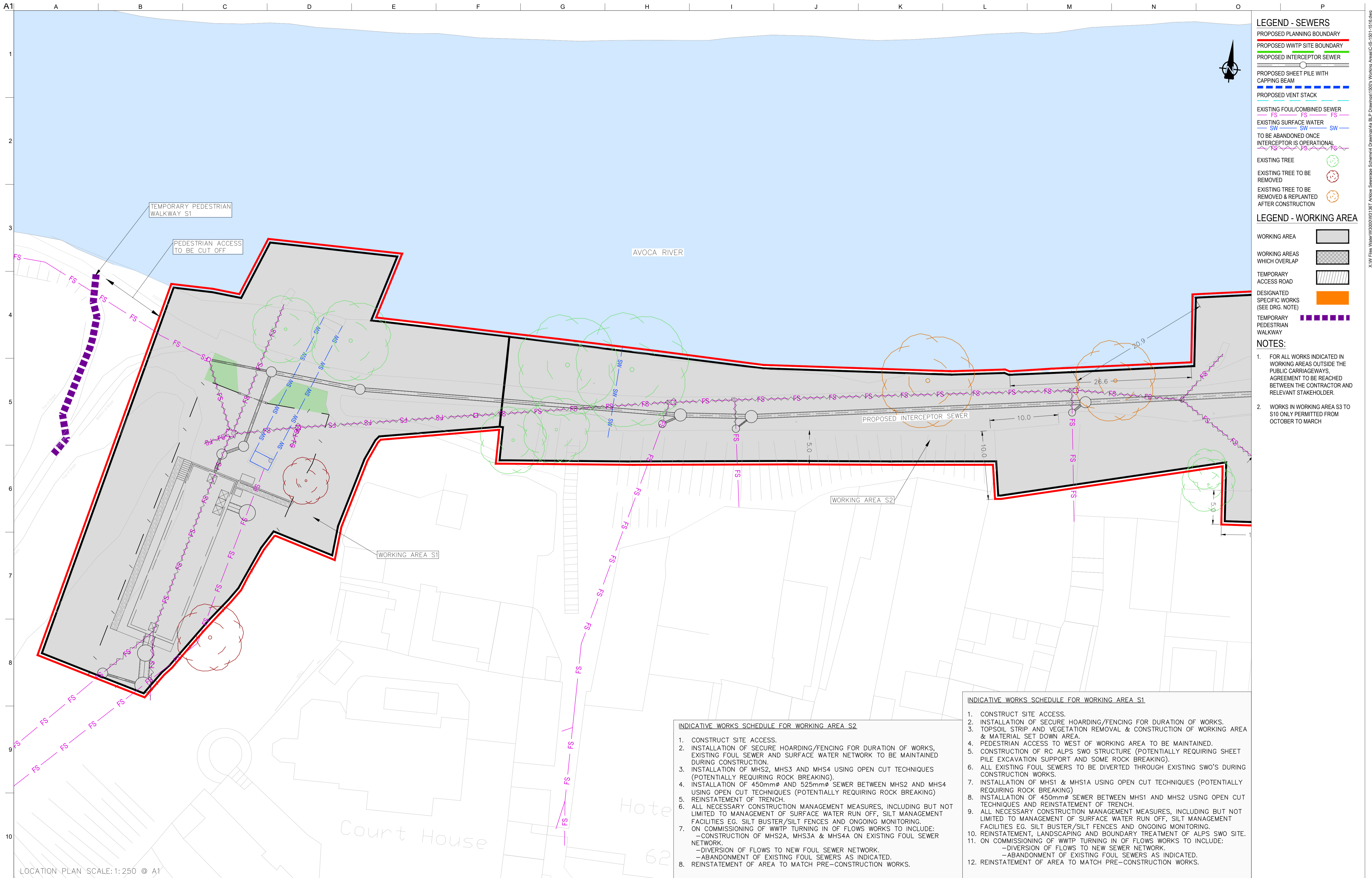
Drawing Status
PLANNING

Job No
247825-00

Drawing No
C-IS-1500

Issue
P1

X:\W Files\Water\W5300\W53087 Arklow Sewerage Scheme\4 Drawings\SLP Drawings\1500- Working Areas\C-IS-1500.dwg



LEGEND - SEWERS

- PROPOSED PLANNING BOUNDARY
- PROPOSED WWTP SITE BOUNDARY
- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- TEMPORARY ACCESS ROAD
- DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH

LOCATION PLAN SCALE: 1:250 @ A1

INDICATIVE WORKS SCHEDULE FOR WORKING AREA S2

1. CONSTRUCT SITE ACCESS.
2. INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS, EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION.
3. INSTALLATION OF MHS2, MHS3 AND MHS4 USING OPEN CUT TECHNIQUES (POTENTIALLY REQUIRING ROCK BREAKING).
4. INSTALLATION OF 450mm ϕ AND 525mm ϕ SEWER BETWEEN MHS2 AND MHS4 USING OPEN CUT TECHNIQUES (POTENTIALLY REQUIRING ROCK BREAKING)
5. REINSTATEMENT OF TRENCH.
6. ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
7. ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - CONSTRUCTION OF MHS2A, MHS3A & MHS4A ON EXISTING FOUL SEWER NETWORK.
 - DIVERSION OF FLOWS TO NEW FOUL SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.
8. REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION WORKS.

INDICATIVE WORKS SCHEDULE FOR WORKING AREA S1

1. CONSTRUCT SITE ACCESS.
2. INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS.
3. TOPSOIL STRIP AND VEGETATION REMOVAL & CONSTRUCTION OF WORKING AREA & MATERIAL SET DOWN AREA.
4. PEDESTRIAN ACCESS TO WEST OF WORKING AREA TO BE MAINTAINED.
5. CONSTRUCTION OF RC ALPS SWO STRUCTURE (POTENTIALLY REQUIRING SHEET PILE EXCAVATION SUPPORT AND SOME ROCK BREAKING).
6. ALL EXISTING FOUL SEWERS TO BE DIVERTED THROUGH EXISTING SWO'S DURING CONSTRUCTION WORKS.
7. INSTALLATION OF MHS1 & MHS1A USING OPEN CUT TECHNIQUES (POTENTIALLY REQUIRING ROCK BREAKING)
8. INSTALLATION OF 450mm ϕ SEWER BETWEEN MHS1 AND MHS2 USING OPEN CUT TECHNIQUES AND REINSTATEMENT OF TRENCH.
9. ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
10. REINSTATEMENT, LANDSCAPING AND BOUNDARY TREATMENT OF ALPS SWO SITE.
11. ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.
12. REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION WORKS.

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client: **UISCE ÉIREANN: IRISH WATER**

Job Title: **ARKLOW WASTEWATER TREATMENT PLANT PROJECT**

Scale at A1: AS SHOWN

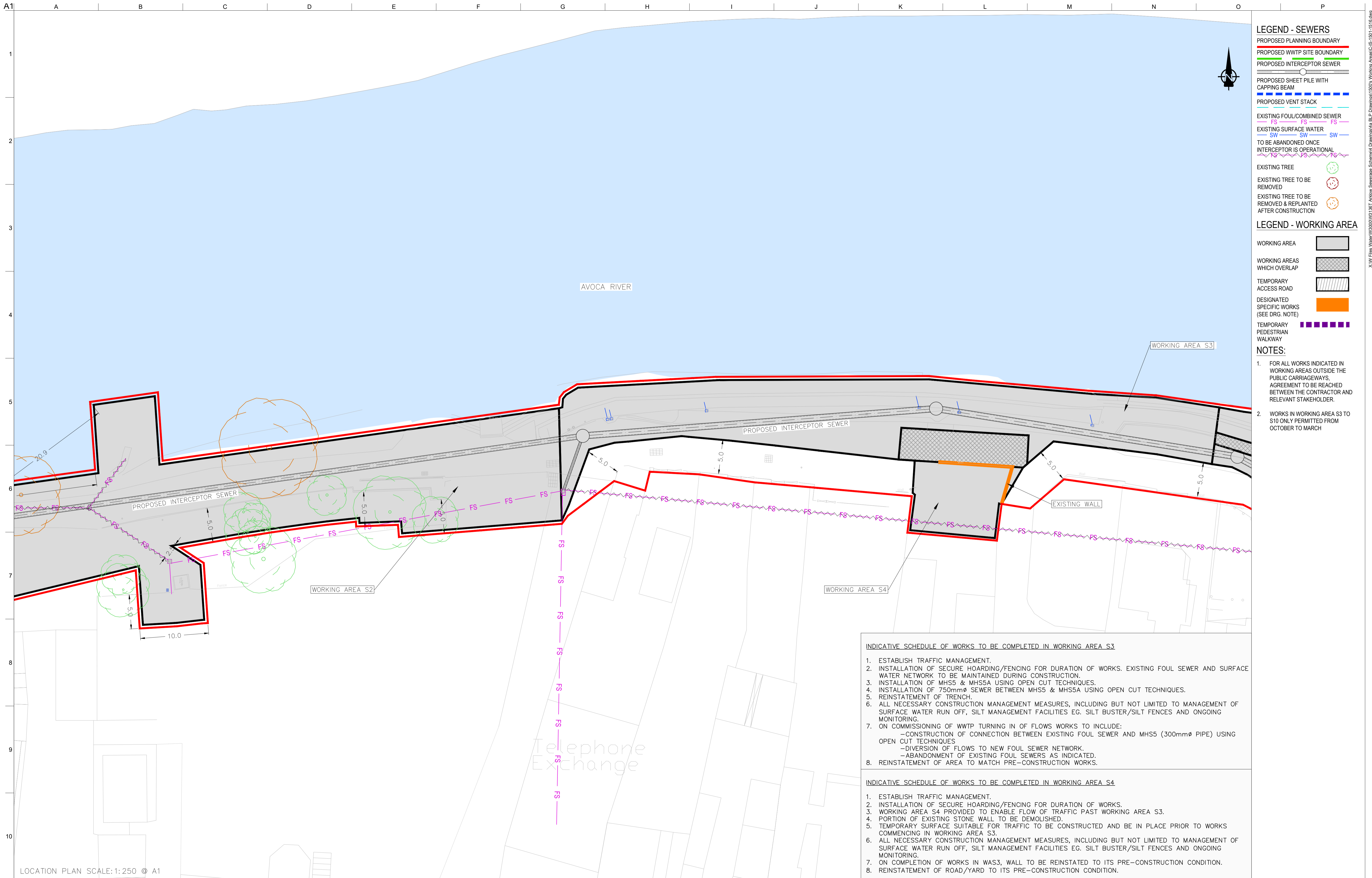
Discipline: CIVIL

Drawing Title: **WORKING AREAS LAYOUT PLAN 1 OF 16**

Drawing Status: **PLANNING**

Job No: 247825-00 | Drawing No: C-IS-1501 | Issue: P1

ARUP BYRNELOOBY
 CLANCY MOORE ARCHITECTS



- ### LEGEND - SEWERS
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- ### LEGEND - WORKING AREA
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

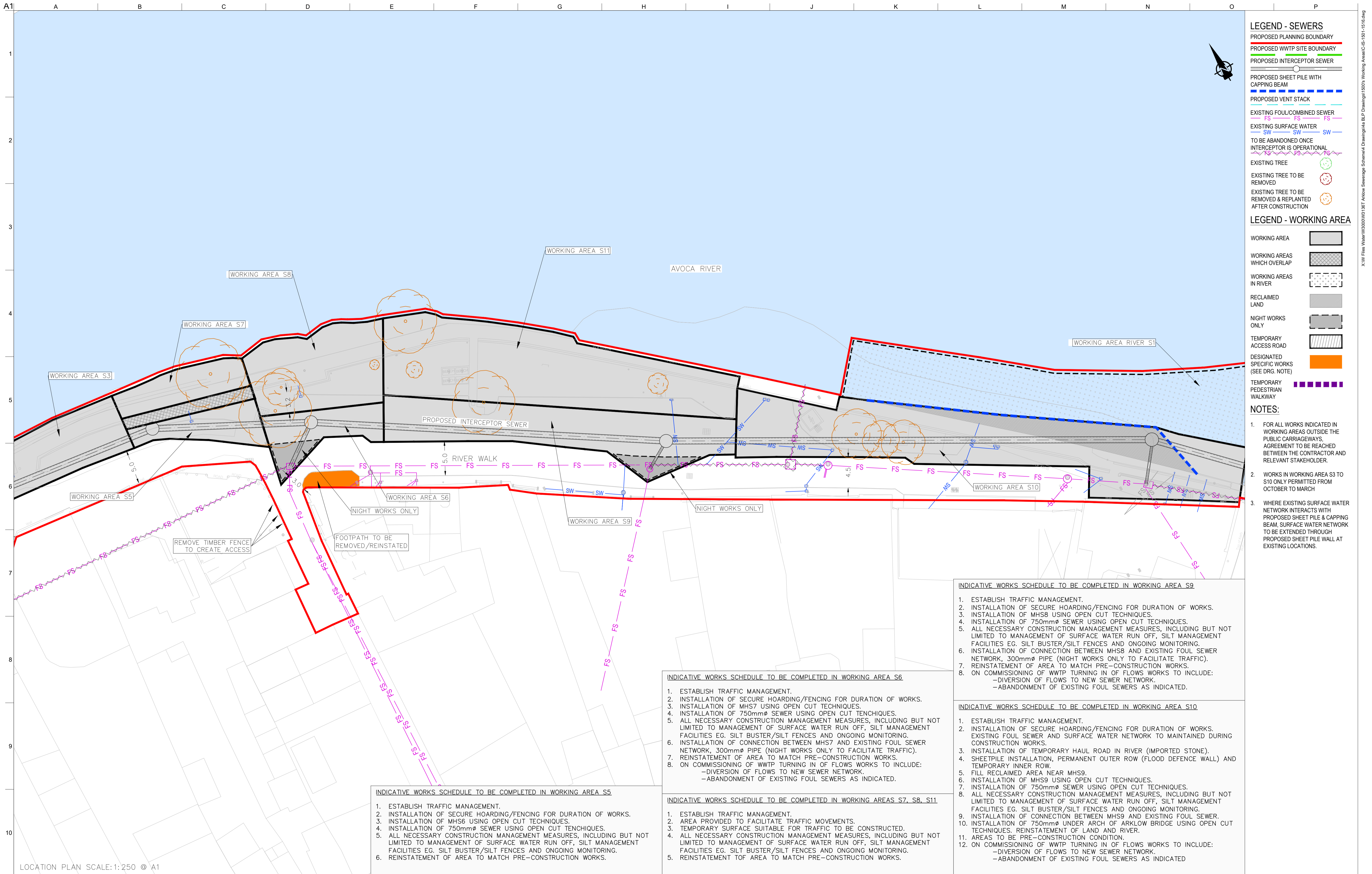
- ### NOTES:
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH

- #### INDICATIVE SCHEDULE OF WORKS TO BE COMPLETED IN WORKING AREA S3
1. ESTABLISH TRAFFIC MANAGEMENT.
 2. INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION.
 3. INSTALLATION OF MHS5 & MHS5A USING OPEN CUT TECHNIQUES.
 4. INSTALLATION OF 750mmØ SEWER BETWEEN MHS5 & MHS5A USING OPEN CUT TECHNIQUES.
 5. REINSTATEMENT OF TRENCH.
 6. ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 7. ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - CONSTRUCTION OF CONNECTION BETWEEN EXISTING FOUL SEWER AND MHS5 (300mmØ PIPE) USING OPEN CUT TECHNIQUES
 - DIVERSION OF FLOWS TO NEW FOUL SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.
 8. REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION WORKS.

- #### INDICATIVE SCHEDULE OF WORKS TO BE COMPLETED IN WORKING AREA S4
1. ESTABLISH TRAFFIC MANAGEMENT.
 2. INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS.
 3. WORKING AREA S4 PROVIDED TO ENABLE FLOW OF TRAFFIC PAST WORKING AREA S3.
 4. PORTION OF EXISTING STONE WALL TO BE DEMOLISHED.
 5. TEMPORARY SURFACE SUITABLE FOR TRAFFIC TO BE CONSTRUCTED AND BE IN PLACE PRIOR TO WORKS COMMENCING IN WORKING AREA S3.
 6. ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 7. ON COMPLETION OF WORKS IN WAS3, WALL TO BE REINSTATED TO ITS PRE-CONSTRUCTION CONDITION.
 8. REINSTATEMENT OF ROAD/YARD TO ITS PRE-CONSTRUCTION CONDITION.

LOCATION PLAN SCALE: 1:250 @ A1

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p>		<p>Drawing Title</p> <p>WORKING AREAS LAYOUT PLAN 2 OF 16</p>															
<p>Scale at A1 AS SHOWN</p>		<p>Discipline CIVIL</p>		<p>Drawing Status</p> <p>PLANNING</p>																
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>P1</th> <th>04/09/18</th> <th>MS</th> <th>DR</th> <th>ES</th> </tr> <tr> <th>Issue</th> <th>Date</th> <th>By</th> <th>Chkd</th> <th>Appd</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		P1	04/09/18	MS	DR	ES	Issue	Date	By	Chkd	Appd						<p>Job No 247825-00</p>		<p>Drawing No C-IS-1502</p>	
P1	04/09/18	MS	DR	ES																
Issue	Date	By	Chkd	Appd																
<p>Do not scale</p>		<p>© Arup</p>		<p>Issue P1</p>																



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER (FS)
 - EXISTING SURFACE WATER (SW)
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- NOTES:**
- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 - WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH.
 - WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S9

- ESTABLISH TRAFFIC MANAGEMENT.
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS.
- INSTALLATION OF MHS8 USING OPEN CUT TECHNIQUES.
- INSTALLATION OF 750mmØ SEWER USING OPEN CUT TECHNIQUES.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- INSTALLATION OF CONNECTION BETWEEN MHS8 AND EXISTING FOUL SEWER NETWORK. 300mmØ PIPE (NIGHT WORKS ONLY TO FACILITATE TRAFFIC).
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION WORKS.
- ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S6

- ESTABLISH TRAFFIC MANAGEMENT.
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS.
- INSTALLATION OF MHS7 USING OPEN CUT TECHNIQUES.
- INSTALLATION OF 750mmØ SEWER USING OPEN CUT TECHNIQUES.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- INSTALLATION OF CONNECTION BETWEEN MHS7 AND EXISTING FOUL SEWER NETWORK. 300mmØ PIPE (NIGHT WORKS ONLY TO FACILITATE TRAFFIC).
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION WORKS.
- ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S10

- ESTABLISH TRAFFIC MANAGEMENT.
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO MAINTAINED DURING CONSTRUCTION WORKS.
- INSTALLATION OF TEMPORARY HAUL ROAD IN RIVER (IMPORTED STONE).
- SHEETPILE INSTALLATION, PERMANENT OUTER ROW (FLOOD DEFENCE WALL) AND TEMPORARY INNER ROW.
- FILL RECLAIMED AREA NEAR MHS9.
- INSTALLATION OF MHS9 USING OPEN CUT TECHNIQUES.
- INSTALLATION OF 750mmØ SEWER USING OPEN CUT TECHNIQUES.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- INSTALLATION OF CONNECTION BETWEEN MHS9 AND EXISTING FOUL SEWER.
- INSTALLATION OF 750mmØ UNDER ARCH OF ARKLOW BRIDGE USING OPEN CUT TECHNIQUES. REINSTATEMENT OF LAND AND RIVER.
- AREAS TO BE PRE-CONSTRUCTION CONDITION.
- ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S5

- ESTABLISH TRAFFIC MANAGEMENT.
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS.
- INSTALLATION OF MHS6 USING OPEN CUT TECHNIQUES.
- INSTALLATION OF 750mmØ SEWER USING OPEN CUT TECHNIQUES.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION WORKS.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREAS S7, S8, S11

- ESTABLISH TRAFFIC MANAGEMENT.
- AREA PROVIDED TO FACILITATE TRAFFIC MOVEMENTS.
- TEMPORARY SURFACE SUITABLE FOR TRAFFIC TO BE CONSTRUCTED.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION WORKS.

LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSI Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client
UISCE
 ÉIREANN : IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline CIVIL

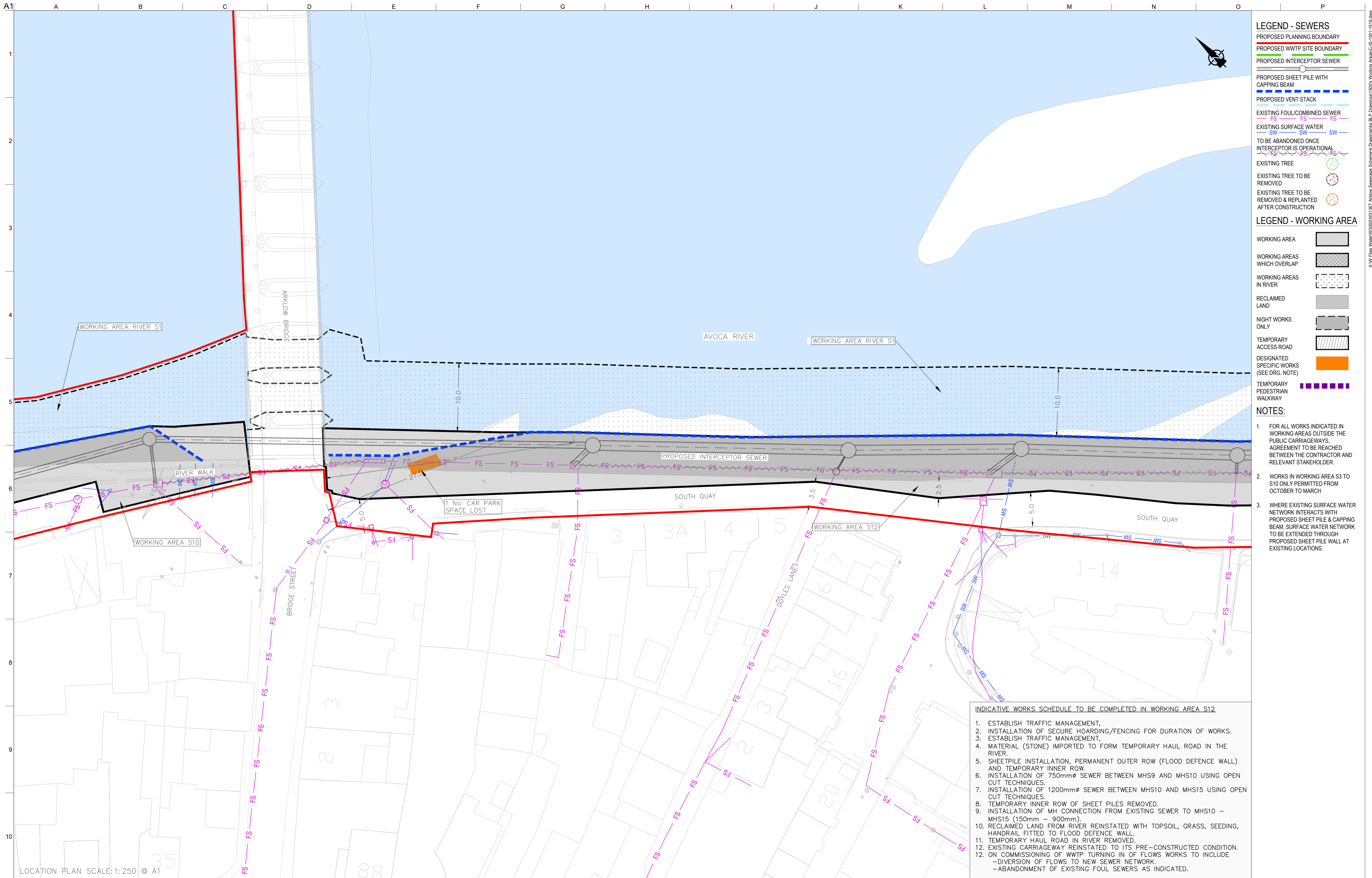
ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
WORKING AREAS LAYOUT PLAN 3 OF 16

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-1503 Issue P1



- ### LEGEND - SEWERS
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- ### LEGEND - WORKING AREA
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- ### NOTES:
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH.
 3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

- ### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S12
1. ESTABLISH TRAFFIC MANAGEMENT.
 2. INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS.
 3. ESTABLISH TRAFFIC MANAGEMENT.
 4. MATERIAL (STONE) IMPORTED TO FORM TEMPORARY HAUL ROAD IN THE RIVER.
 5. SHEETPILE INSTALLATION, PERMANENT OUTER ROW (FLOOD DEFENCE WALL) AND TEMPORARY INNER ROW.
 6. INSTALLATION OF 750mm ϕ SEWER BETWEEN MHS9 AND MHS10 USING OPEN CUT TECHNIQUES.
 7. INSTALLATION OF 1200mm ϕ SEWER BETWEEN MHS10 AND MHS15 USING OPEN CUT TECHNIQUES.
 8. TEMPORARY INNER ROW OF SHEET PILES REMOVED.
 9. INSTALLATION OF MH CONNECTION FROM EXISTING SEWER TO MHS10 - MHS15 (150mm - 900mm).
 10. RECLAIMED LAND FROM RIVER REINSTATED WITH TOPSOIL, GRASS, SEEDING, HANDRAIL FITTED TO FLOOD DEFENCE WALL.
 11. TEMPORARY HAUL ROAD IN RIVER REMOVED.
 12. EXISTING CARRIAGEWAY REINSTATED TO ITS PRE-CONSTRUCTED CONDITION.
 13. ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE - DIVERSION OF FLOWS TO NEW SEWER NETWORK. - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

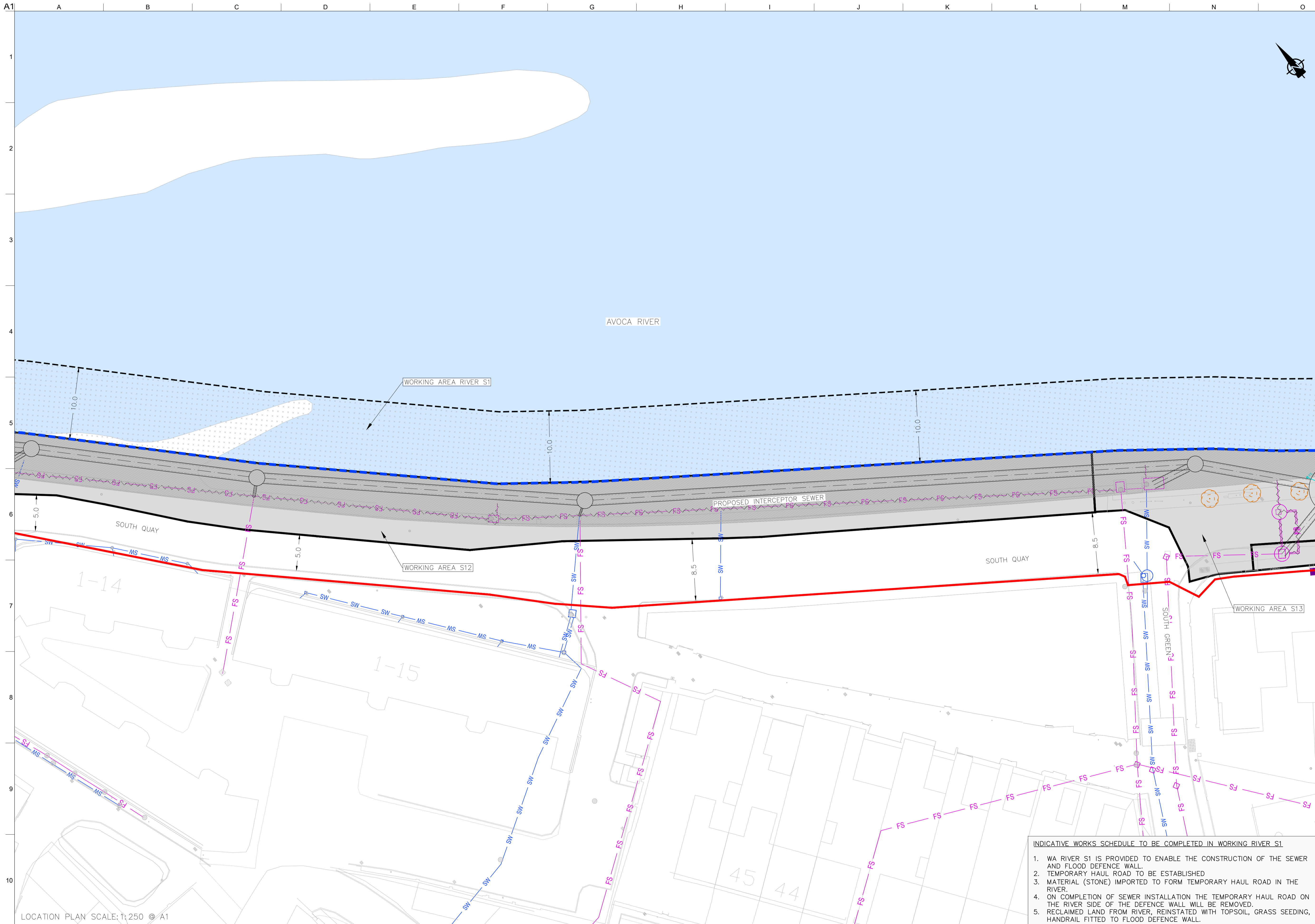
Drawing Title
WORKING AREAS LAYOUT PLAN 4 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-1504

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- NOTES:**
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 2. WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
 3. WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING RIVER S1

1. WA RIVER S1 IS PROVIDED TO ENABLE THE CONSTRUCTION OF THE SEWER AND FLOOD DEFENCE WALL.
2. TEMPORARY HAUL ROAD TO BE ESTABLISHED
3. MATERIAL (STONE) IMPORTED TO FORM TEMPORARY HAUL ROAD IN THE RIVER.
4. ON COMPLETION OF SEWER INSTALLATION THE TEMPORARY HAUL ROAD ON THE RIVER SIDE OF THE DEFENCE WALL WILL BE REMOVED.
5. RECLAIMED LAND FROM RIVER, REINSTATED WITH TOPSOIL, GRASS SEEDING, HANDRAIL FITTED TO FLOOD DEFENCE WALL.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

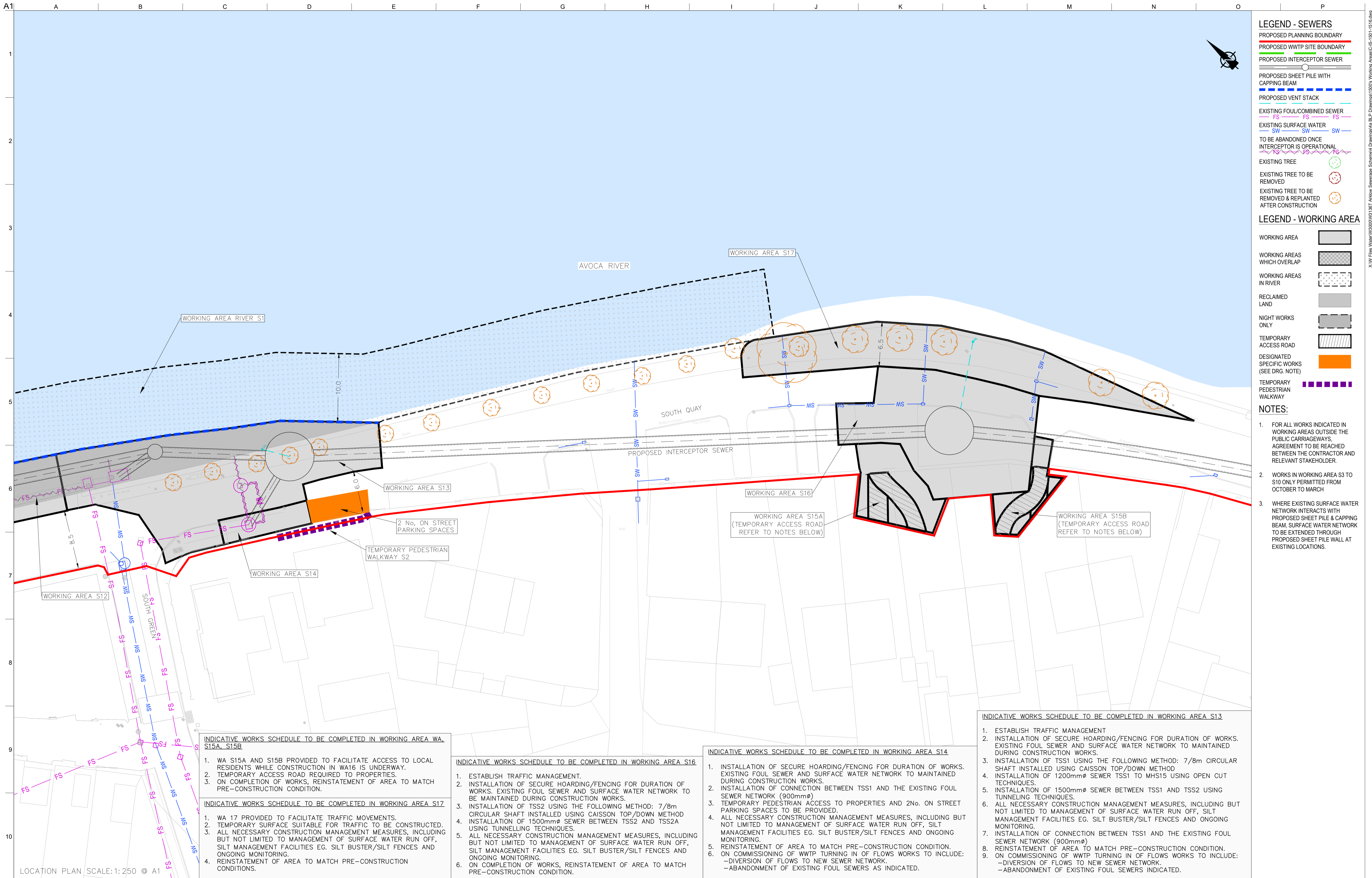
Drawing Title
WORKING AREAS LAYOUT PLAN 5 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-1505

Issue
 P1



- ### LEGEND - SEWERS
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- ### LEGEND - WORKING AREA
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- ### NOTES:
- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.
 - WORKS IN WORKING AREA S3 TO S10 ONLY PERMITTED FROM OCTOBER TO MARCH
 - WHERE EXISTING SURFACE WATER NETWORK INTERACTS WITH PROPOSED SHEET PILE & CAPPING BEAM, SURFACE WATER NETWORK TO BE EXTENDED THROUGH PROPOSED SHEET PILE WALL AT EXISTING LOCATIONS.

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA WA. S15A, S15B
- WA S15A AND S15B PROVIDED TO FACILITATE ACCESS TO LOCAL RESIDENTS WHILE CONSTRUCTION IN WA16 IS UNDERWAY.
 - TEMPORARY ACCESS ROAD REQUIRED TO PROPERTIES.
 - ON COMPLETION OF WORKS, REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S17
- WA 17 PROVIDED TO FACILITATE TRAFFIC MOVEMENTS.
 - TEMPORARY SURFACE SUITABLE FOR TRAFFIC TO BE CONSTRUCTED.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S16
- ESTABLISH TRAFFIC MANAGEMENT.
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF TSS2 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - ON COMPLETION OF WORKS, REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S14
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF CONNECTION BETWEEN TSS1 AND THE EXISTING FOUL SEWER NETWORK (900mm ϕ)
 - TEMPORARY PEDESTRIAN ACCESS TO PROPERTIES AND 2NO. ON STREET PARKING SPACES TO BE PROVIDED.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
 - ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

- #### INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA S13
- ESTABLISH TRAFFIC MANAGEMENT
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF TSS1 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD
 - INSTALLATION OF 1200mm ϕ SEWER TSS1 TO MHS15 USING OPEN CUT TECHNIQUES.
 - INSTALLATION OF 1500mm ϕ SEWER BETWEEN TSS1 AND TSS2 USING TUNNELING TECHNIQUES.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - INSTALLATION OF CONNECTION BETWEEN TSS1 AND THE EXISTING FOUL SEWER NETWORK (900mm ϕ)
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
 - ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS INDICATED.

LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client
UISCE
 ÉIREANN : IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

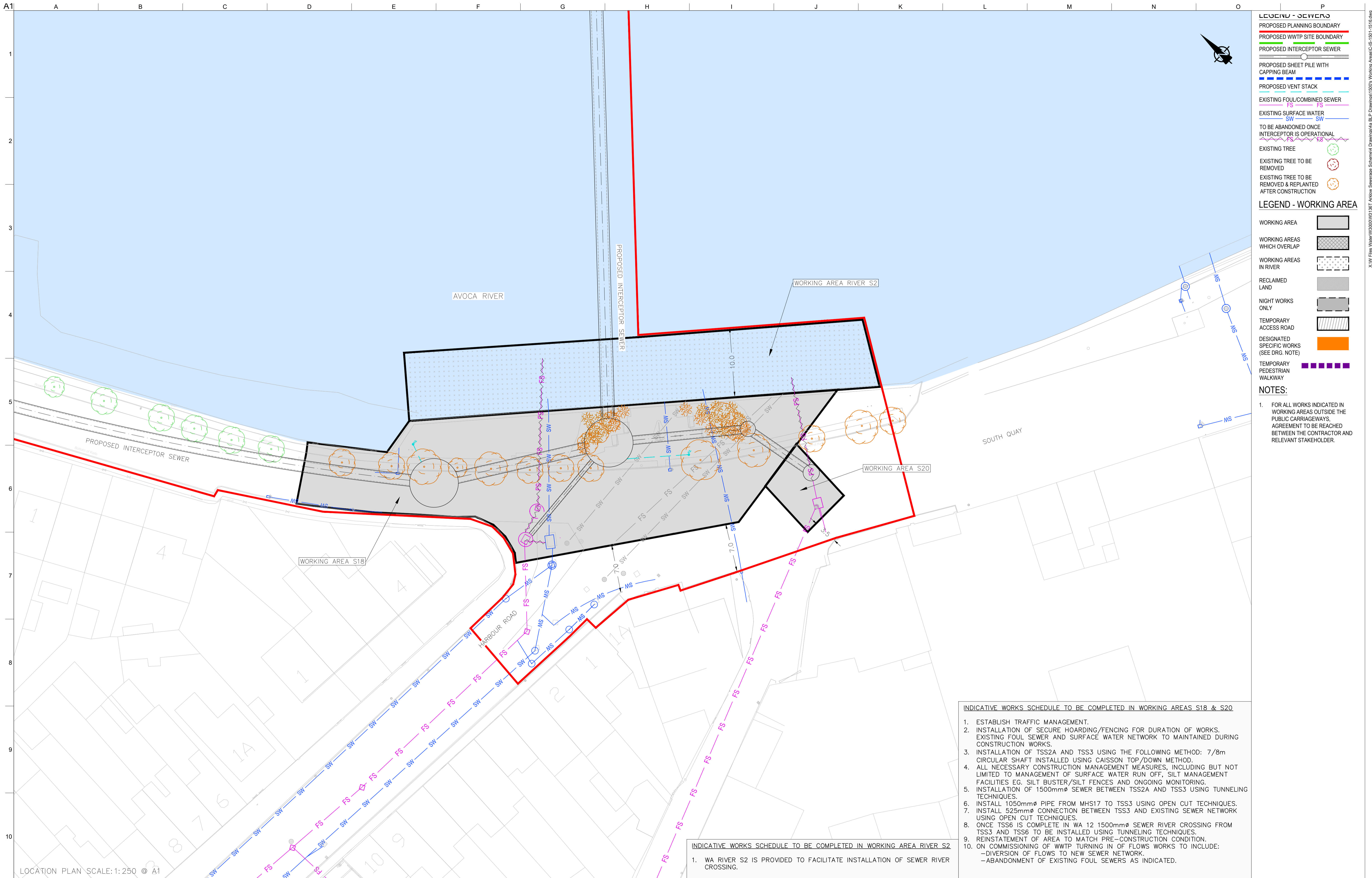
Drawing Title
WORKING AREAS LAYOUT PLAN
 6 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-1506

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

- INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREAS S18 & S20**
1. ESTABLISH TRAFFIC MANAGEMENT.
 2. INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO MAINTAINED DURING CONSTRUCTION WORKS.
 3. INSTALLATION OF TSS2A AND TSS3 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD.
 4. ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 5. INSTALLATION OF 1500mmØ SEWER BETWEEN TSS2A AND TSS3 USING TUNNELING TECHNIQUES.
 6. INSTALL 1050mmØ PIPE FROM MHS17 TO TSS3 USING OPEN CUT TECHNIQUES.
 7. INSTALL 525mmØ CONNECTION BETWEEN TSS3 AND EXISTING SEWER NETWORK USING OPEN CUT TECHNIQUES.
 8. ONCE TSS6 IS COMPLETE IN WA 12 1500mmØ SEWER RIVER CROSSING FROM TSS3 AND TSS6 TO BE INSTALLED USING TUNNELING TECHNIQUES.
 9. REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
 10. ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

- INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA RIVER S2**
1. WA RIVER S2 IS PROVIDED TO FACILITATE INSTALLATION OF SEWER RIVER CROSSING.

LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSI Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

Discipline
 CIVIL

CLANCY MOORE ARCHITECTS

Drawing Title
WORKING AREAS LAYOUT PLAN
 7 OF 16

Drawing Status
PLANNING

Job No	Drawing No	Issue
247825-00	C-IS-1507	P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY




NOTES:

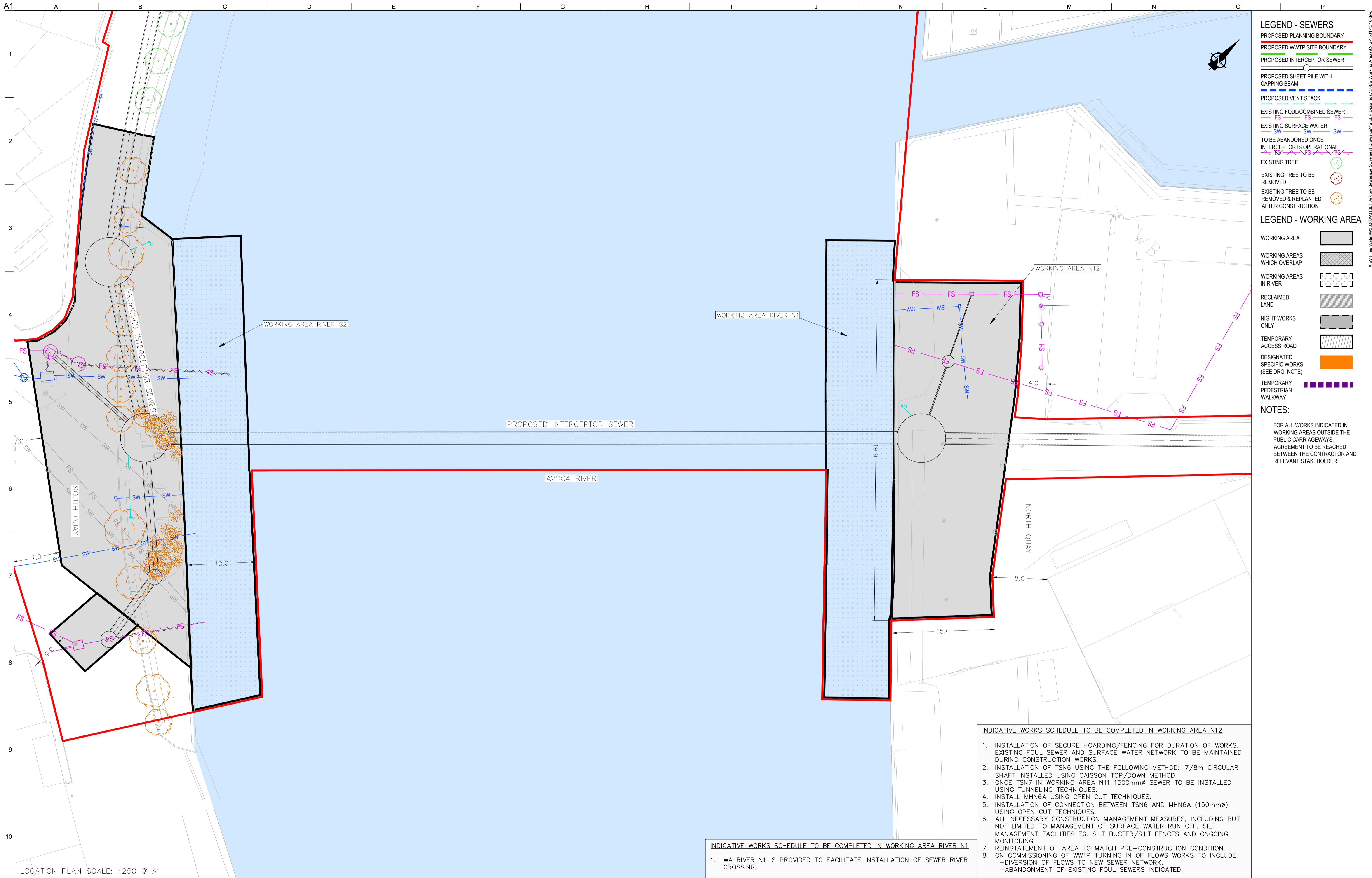
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

WORKING AREA S19

INDICATIVE WORKS SCHEDULE FOR WORKING AREA S19
 1. TO BE UTILISED AS A SITE COMPOUND.

LOCATION PLAN SCALE: 1:250 @ A1

<p>Ordnance Survey Ireland Licence No. EN 0083318 © Ordnance Survey Ireland/ Government of Ireland</p> <p>OSi Sheet numbers: 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17</p>		<p>Client</p> 	<p>Job Title ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1 AS SHOWN</p> <p>Discipline CIVIL</p>	 <p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title WORKING AREAS LAYOUT PLAN 8 OF 16</p> <p>Drawing Status PLANNING</p> <table border="0" style="width: 100%; font-size: small;"> <tr> <td>Job No</td> <td>Drawing No</td> <td>Issue</td> </tr> <tr> <td>247825-00</td> <td>C-IS-1508</td> <td>P1</td> </tr> </table>	Job No	Drawing No	Issue	247825-00	C-IS-1508	P1
Job No	Drawing No	Issue									
247825-00	C-IS-1508	P1									



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - WORKING AREAS IN RIVER
 - RECLAIMED LAND
 - NIGHT WORKS ONLY
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N12

- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
- INSTALLATION OF TSN6 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD
- ONCE TSN7 IN WORKING AREA N11 1500mmØ SEWER TO BE INSTALLED USING TUNNELING TECHNIQUES.
- INSTALL MHN6A USING OPEN CUT TECHNIQUES.
- INSTALLATION OF CONNECTION BETWEEN TSN6 AND MHN6A (150mmØ) USING OPEN CUT TECHNIQUES.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
- ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS INDICATED.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA RIVER N1

- WA RIVER N1 IS PROVIDED TO FACILITATE INSTALLATION OF SEWER RIVER CROSSING.

LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

Client
ARUP BYRNE LOOBY

Discipline
CLANCY MOORE ARCHITECTS

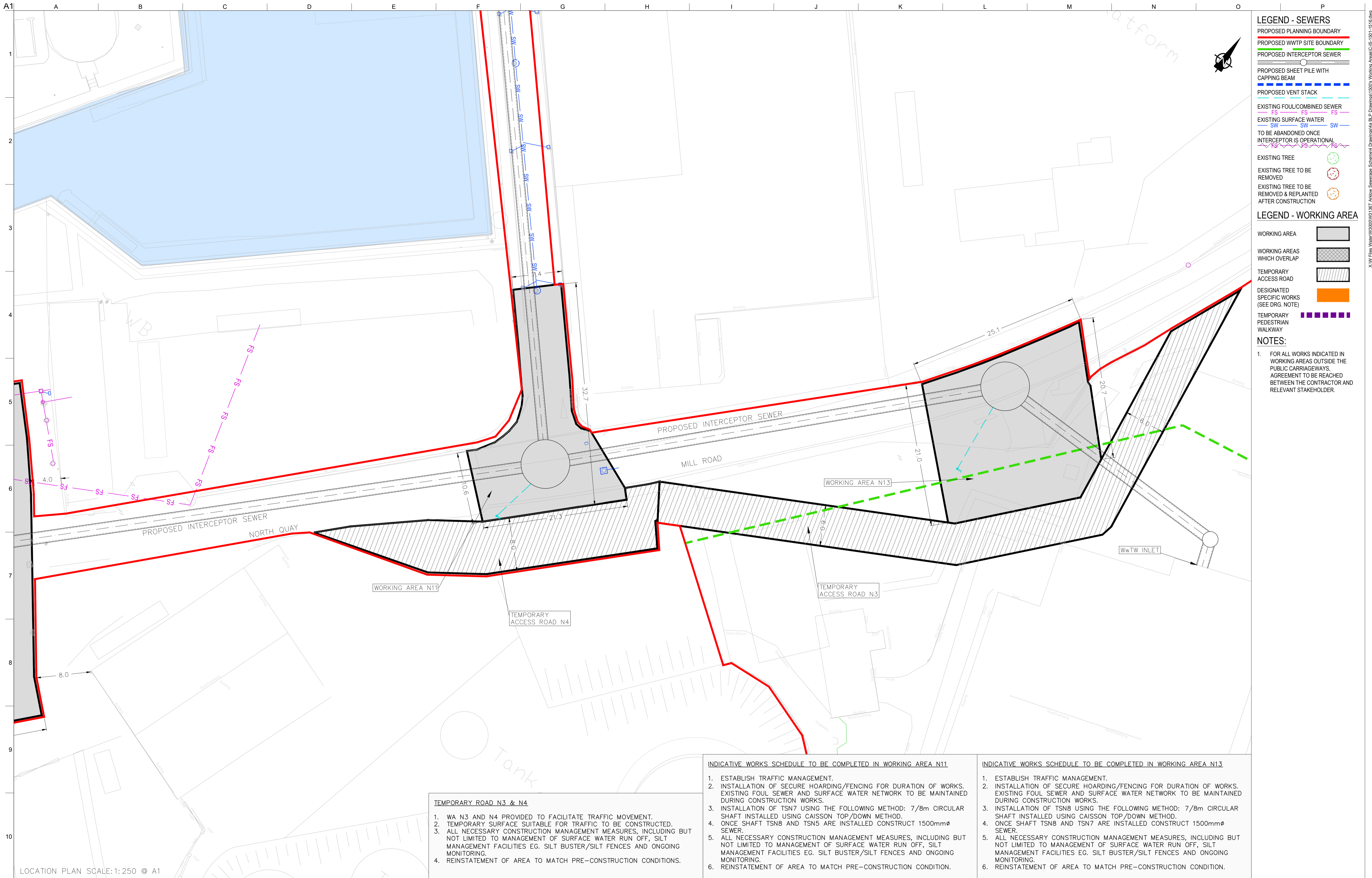
Drawing Title
WORKING AREAS LAYOUT PLAN
 9 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-1509

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

- TEMPORARY ROAD N3 & N4**
- WA N3 AND N4 PROVIDED TO FACILITATE TRAFFIC MOVEMENT.
 - TEMPORARY SURFACE SUITABLE FOR TRAFFIC TO BE CONSTRUCTED.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.

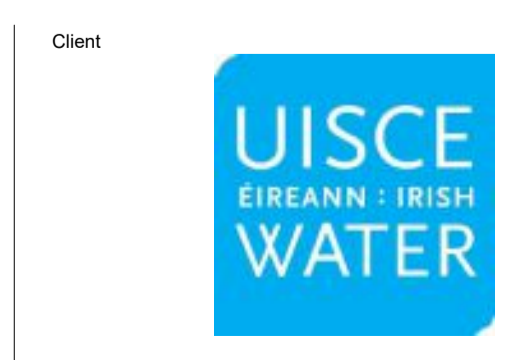
- INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N11**
- ESTABLISH TRAFFIC MANAGEMENT.
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF TSN7 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD.
 - ONCE SHAFT TSN8 AND TSN5 ARE INSTALLED CONSTRUCT 1500mmØ SEWER.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.

- INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N13**
- ESTABLISH TRAFFIC MANAGEMENT.
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF TSN8 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD.
 - ONCE SHAFT TSN8 AND TSN7 ARE INSTALLED CONSTRUCT 1500mmØ SEWER.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.

LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

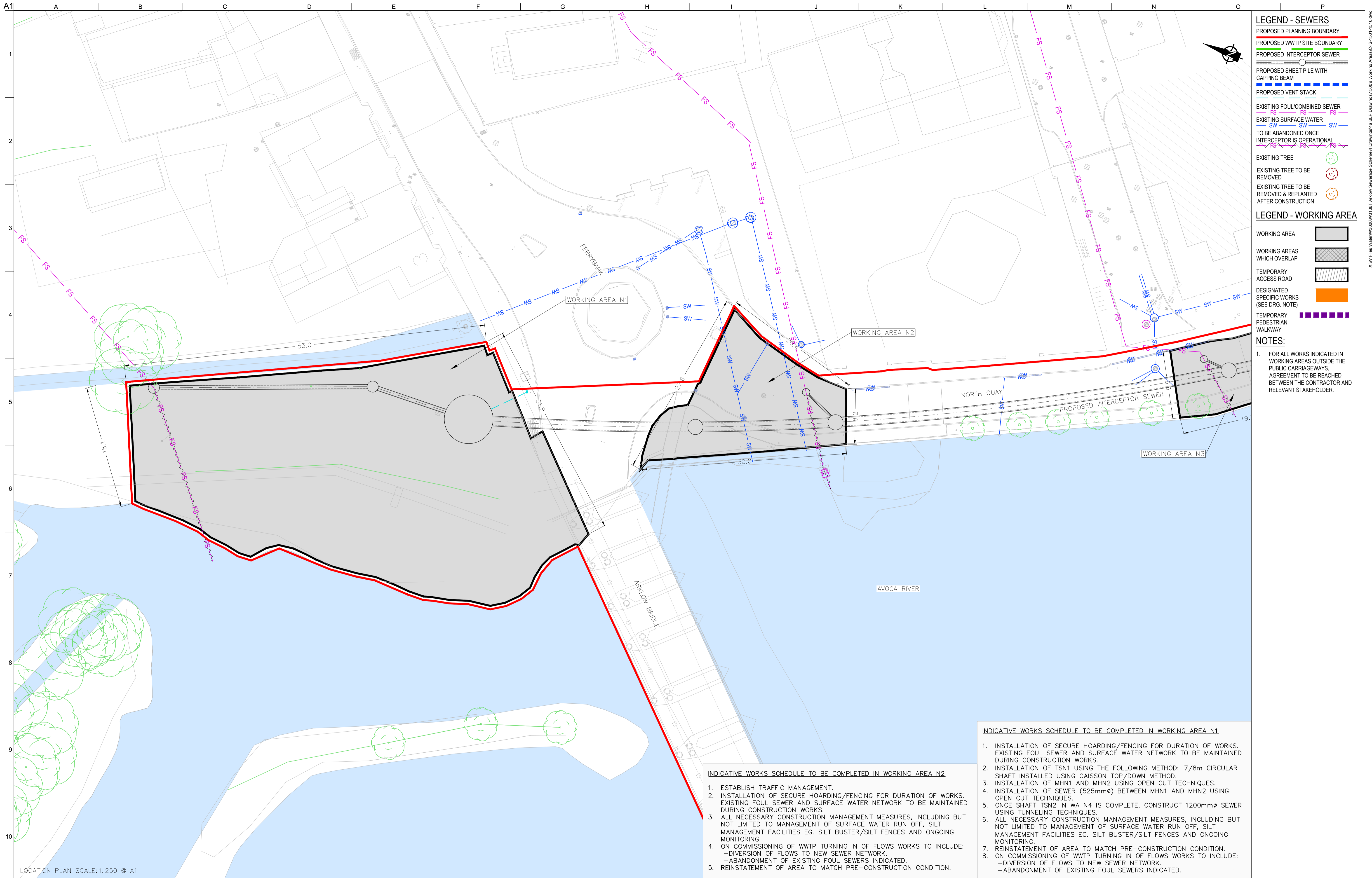
Discipline CIVIL

ARUP BYRNELOOBY
 CLANCY MOORE ARCHITECTS

Drawing Title
WORKING AREAS LAYOUT PLAN 10 OF 16

Drawing Status
PLANNING

Job No 247825-00 Drawing No C-IS-1510 Issue P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N1

- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
- INSTALLATION OF TSN1 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD.
- INSTALLATION OF MHN1 AND MHN2 USING OPEN CUT TECHNIQUES.
- INSTALLATION OF SEWER (525mm ϕ) BETWEEN MHN1 AND MHN2 USING OPEN CUT TECHNIQUES.
- ONCE SHAFT TSN2 IN WA N4 IS COMPLETE, CONSTRUCT 1200mm ϕ SEWER USING TUNNELING TECHNIQUES.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
- ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS INDICATED.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N2

- ESTABLISH TRAFFIC MANAGEMENT.
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS INDICATED.
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES

Client



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

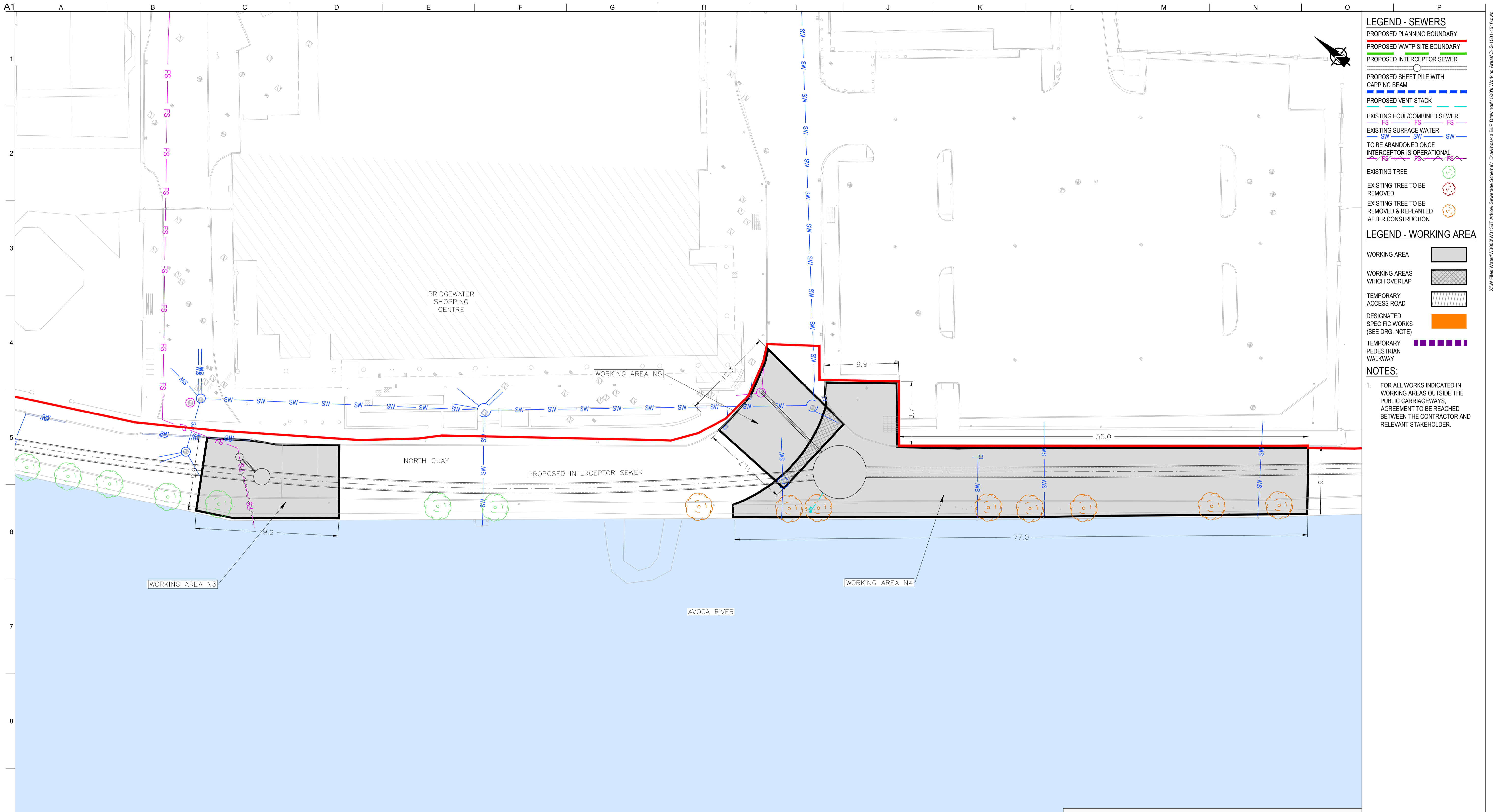
Scale at A1 AS SHOWN
 Discipline CIVIL



CLANCY MOORE ARCHITECTS

Drawing Title
WORKING AREAS LAYOUT PLAN 11 OF 16

Drawing Status
PLANNING
 Job No 247825-00 Drawing No C-IS-1511 Issue P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N3

- ESTABLISH TRAFFIC MANAGEMENT.
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - CONSTRUCTION OF MHN4 ONLINE USING OPEN CUT TECHNIQUES
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N4

- ESTABLISH TRAFFIC MANAGEMENT.
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
- INSTALLATION OF TSN2 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD.
- ON COMPLETION OF TSN3 IN WA N6 INSTALL 1200mmØ SEWER USING TUNNELING TECHNIQUES.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N5

- ESTABLISH TRAFFIC MANAGEMENT.
- INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
- INSTALL CONNECTION BETWEEN EXISTING FOUL TO TSN2 (300mmØ SEWER) USING OPEN CUT TECHNIQUES.
- ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
- REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.
- ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

LOCATION PLAN SCALE: 1:250 © A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 AS SHOWN

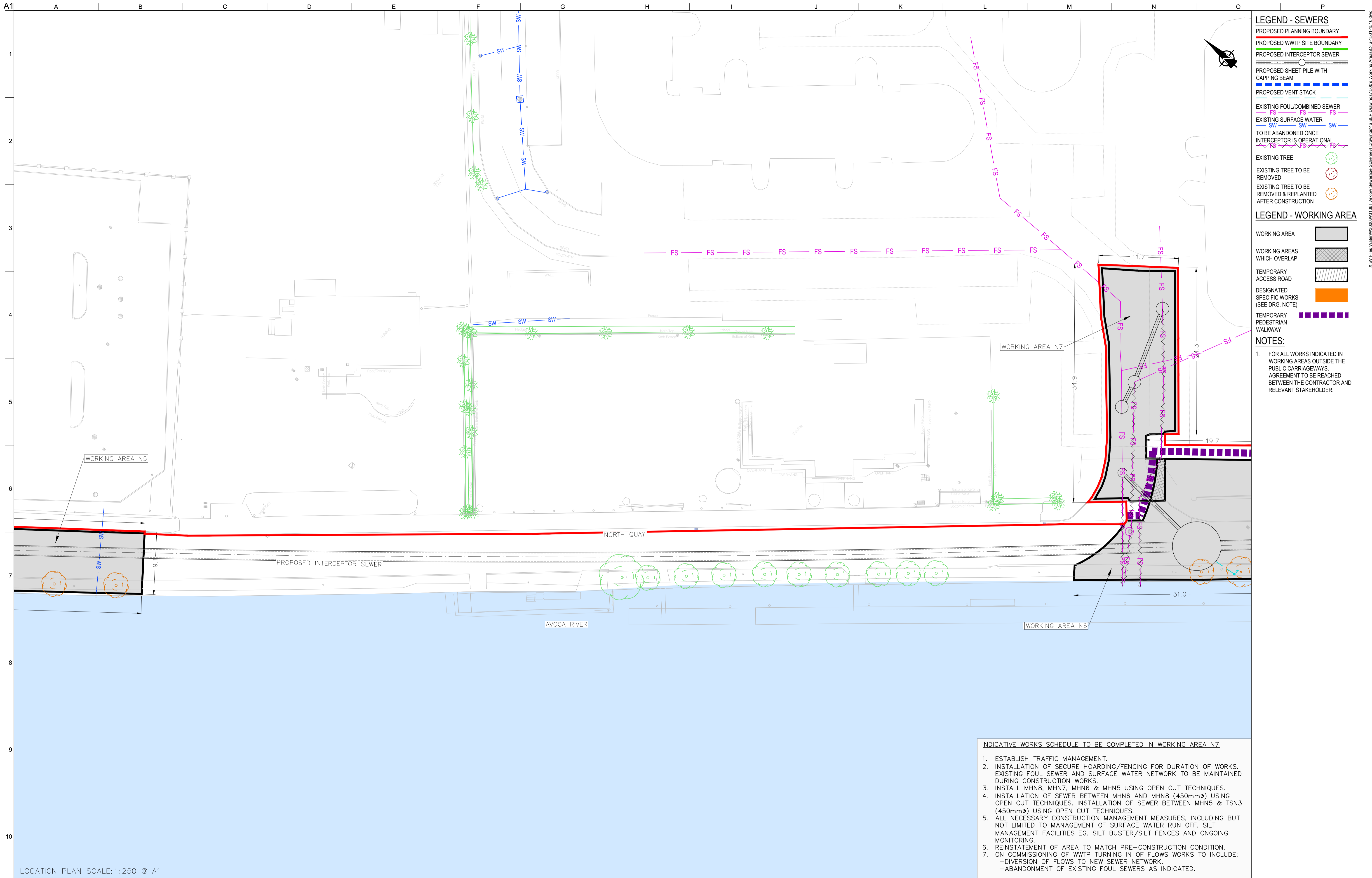
Discipline
 CIVIL

CLANCY MOORE ARCHITECTS

Drawing Title
WORKING AREAS LAYOUT PLAN 12 OF 16

Drawing Status
PLANNING

Job No	Drawing No	Issue
247825-00	C-IS-1512	P1



LOCATION PLAN SCALE: 1:250 @ A1

Do not scale

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland

OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd

Client

UISCE
EIREANN : IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
WORKING AREAS LAYOUT PLAN 13 OF 16

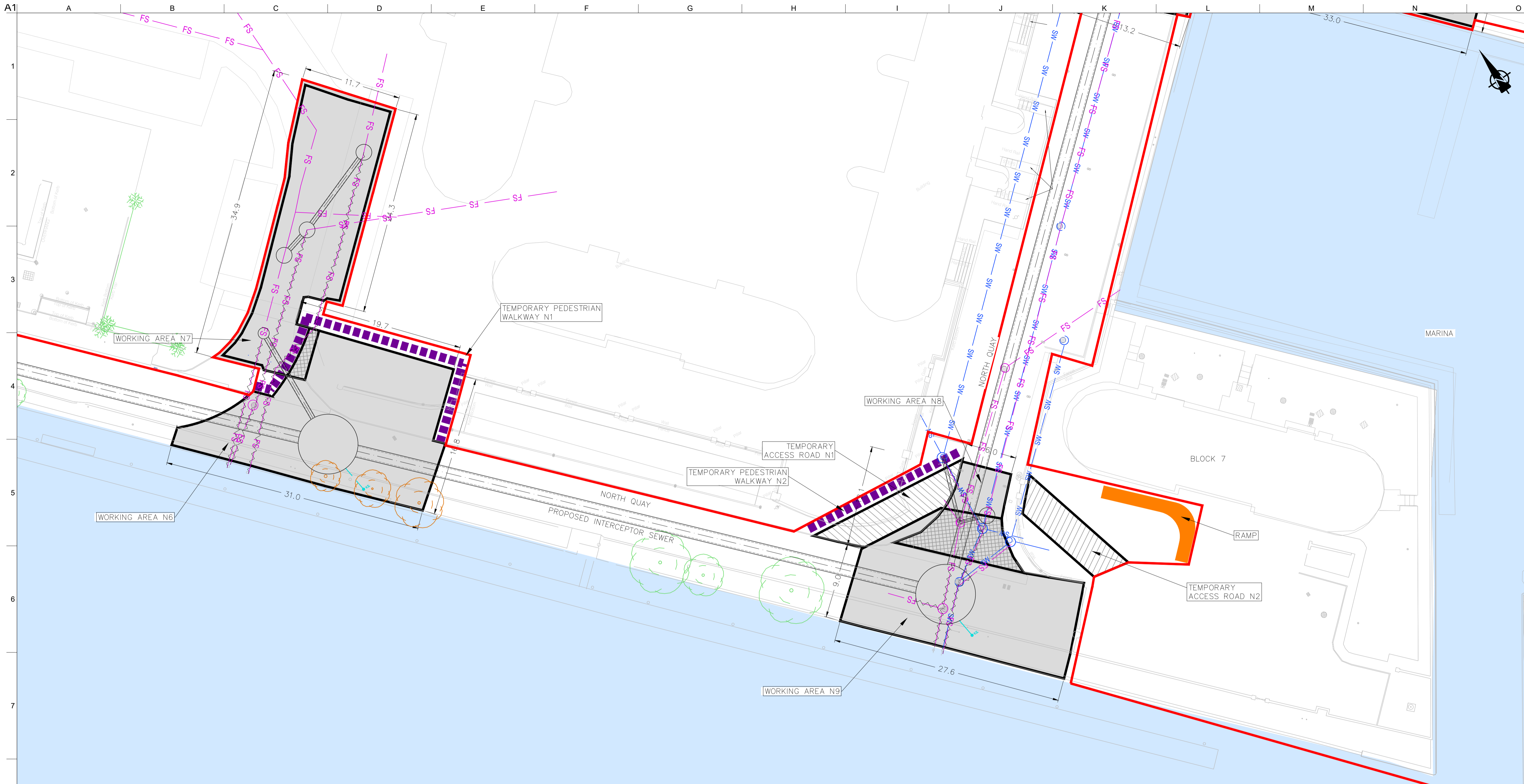
Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-1513

Issue
 P1

X:\W Files Water\03000\031501 Arklow Sewerage Scheme\4 Drawings\A1 BLP Drawing\1501\1501-1516.dwg



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

NOTES:

- FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

LOCATION PLAN SCALE: 1:250 @ A1

- INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N8**
- ESTABLISH TRAFFIC MANAGEMENT.
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF MHN9 USING OPEN CUT TECHNIQUES.
 - INSTALLATION OF CONNECTION BETWEEN MHN9 AND TSN4 (300mm ϕ) USING OPEN CUT TECHNIQUES.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
 - ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

- PEDESTRIAN WALKWAY N1 & N2**
- WA N1 & N2 PROVIDED TO FACILITATE PEDESTRIAN ACCESS.
 - TEMPORARY SURFACE SUITABLE FOR PEDESTRIAN TRAFFIC TO BE CONSTRUCTED.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.

- TEMPORARY ROAD N1 & N2**
- WA N1 & N2 PROVIDED TO FACILITATE TRAFFIC MOVEMENT.
 - TEMPORARY SURFACE SUITABLE FOR TRAFFIC TO BE CONSTRUCTED.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.

- INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N6**
- ESTABLISH TRAFFIC MANAGEMENT.
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF TSN3 USING OPEN CUT TECHNIQUES.
 - ONCE TSN4 IN WA N9 IS COMPLETE, CONSTRUCT 1200mm ϕ SEWER USING TUNNELING TECHNIQUES.
 - INSTALLATION OF SEWER BETWEEN MHN5 AND TSN3 (450mm ϕ) USING OPEN CUT TECHNIQUES.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
 - ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

- INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N9**
- ESTABLISH TRAFFIC MANAGEMENT.
 - INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
 - INSTALLATION OF TSN4 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD.
 - ONCE TSN5 IN WA N10 IS COMPLETE, CONSTRUCT 1200mm ϕ SEWER USING TUNNELING TECHNIQUES.
 - INSTALLATION OF MHN9 USING OPEN CUT TECHNIQUES.
 - INSTALLATION OF CONNECTION BETWEEN MHN9 AND TSN4 (300mm ϕ) USING OPEN CUT TECHNIQUES.
 - ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
 - REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITION.
 - ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK.
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSI Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

P1	04/09/18	MS	DR	ES
Issue	Date	By	Chkd	Appd



Client
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 AS SHOWN

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY
 CLANCY MOORE ARCHITECTS

Drawing Title
WORKING AREAS LAYOUT PLAN 14 OF 16

Drawing Status
PLANNING

Job No
 247825-00

Drawing No
 C-IS-1514

Issue
 P1

INDICATIVE WORKS SCHEDULE TO BE COMPLETED IN WORKING AREA N10

1. ESTABLISH TRAFFIC MANAGEMENT.
2. INSTALLATION OF SECURE HOARDING/FENCING FOR DURATION OF WORKS. EXISTING FOUL SEWER AND SURFACE WATER NETWORK TO BE MAINTAINED DURING CONSTRUCTION WORKS.
3. INSTALLATION OF TSN5 USING THE FOLLOWING METHOD: 7/8m CIRCULAR SHAFT INSTALLED USING CAISSON TOP/DOWN METHOD.
4. ONCE TSN7 IS COMPLETE IN WAN11, CONSTRUCT 1200mmØ SEWER USING TUNNELING TECHNIQUES.
5. ALL NECESSARY CONSTRUCTION MANAGEMENT MEASURES, INCLUDING BUT NOT LIMITED TO MANAGEMENT OF SURFACE WATER RUN OFF, SILT MANAGEMENT FACILITIES EG. SILT BUSTER/SILT FENCES AND ONGOING MONITORING.
6. REINSTATEMENT OF AREA TO MATCH PRE-CONSTRUCTION CONDITIONS.
7. ON COMMISSIONING OF WWTP TURNING IN OF FLOWS WORKS TO INCLUDE:
 - DIVERSION OF FLOWS TO NEW SEWER NETWORK
 - ABANDONMENT OF EXISTING FOUL SEWERS AS INDICATED.

LEGEND - SEWERS

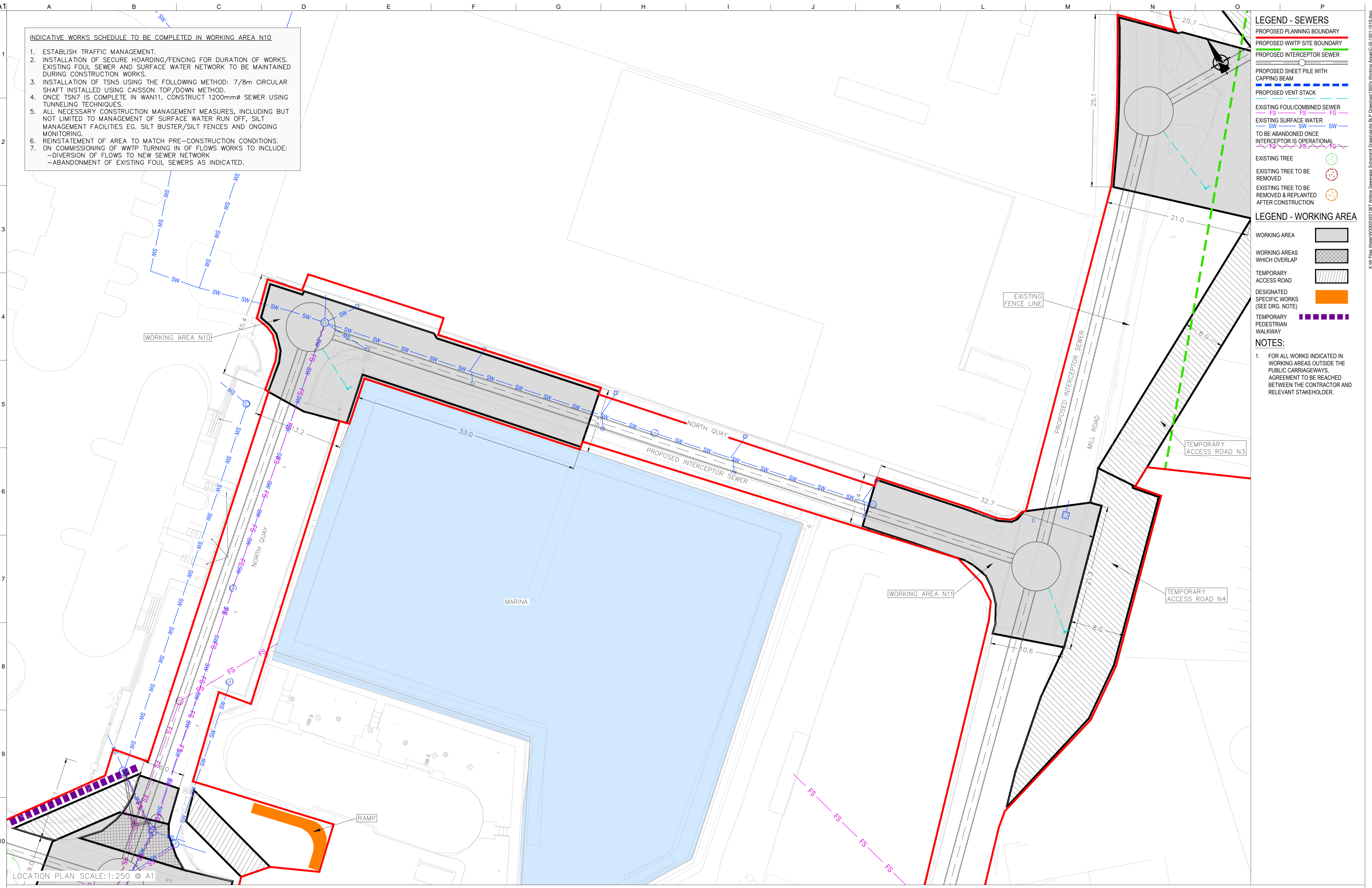
- PROPOSED PLANNING BOUNDARY
- PROPOSED WWTP SITE BOUNDARY
- PROPOSED INTERCEPTOR SEWER
- PROPOSED SHEET PILE WITH CAPPING BEAM
- PROPOSED VENT STACK
- EXISTING FOUL/COMBINED SEWER
- EXISTING SURFACE WATER
- TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION

LEGEND - WORKING AREA

- WORKING AREA
- WORKING AREAS WHICH OVERLAP
- TEMPORARY ACCESS ROAD
- DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
- TEMPORARY PEDESTRIAN WALKWAY

NOTES:

1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.



LOCATION PLAN SCALE: 1:250 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
 ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Job Title
 ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 AS SHOWN

Discipline
 CIVIL

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
 WORKING AREAS LAYOUT PLAN 15 OF 16

Drawing Status
 PLANNING

Job No
 247825-00

Drawing No
 C-IS-1515

Issue
 P1



- LEGEND - SEWERS**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED WWTP SITE BOUNDARY
 - PROPOSED INTERCEPTOR SEWER
 - PROPOSED SHEET PILE WITH CAPPING BEAM
 - PROPOSED VENT STACK
 - EXISTING FOUL/COMBINED SEWER
 - EXISTING SURFACE WATER
 - TO BE ABANDONED ONCE INTERCEPTOR IS OPERATIONAL
 - EXISTING TREE
 - EXISTING TREE TO BE REMOVED
 - EXISTING TREE TO BE REMOVED & REPLANTED AFTER CONSTRUCTION
- LEGEND - WORKING AREA**
- WORKING AREA
 - WORKING AREAS WHICH OVERLAP
 - TEMPORARY ACCESS ROAD
 - DESIGNATED SPECIFIC WORKS (SEE DRG. NOTE)
 - TEMPORARY PEDESTRIAN WALKWAY

- NOTES:**
1. FOR ALL WORKS INDICATED IN WORKING AREAS OUTSIDE THE PUBLIC CARRIAGEWAYS, AGREEMENT TO BE REACHED BETWEEN THE CONTRACTOR AND RELEVANT STAKEHOLDER.

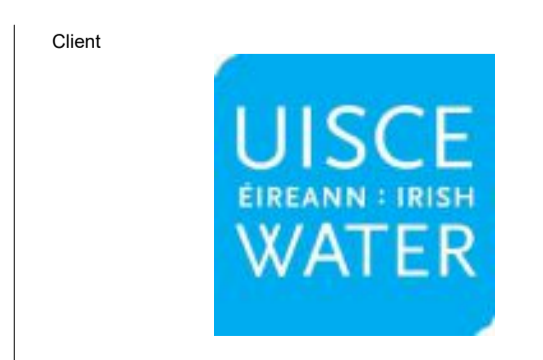
TEMPORARY ACCESS ROAD N5

INDICATIVE WORKS SCHEDULE FOR TEMPORARY ACCESS N5
 1. PROVIDED FOR TEMPORARY ACCESS ROAD.

LOCATION PLAN SCALE: 1: 500 @ A1

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

Issue	Date	By	Chkd	Appd
P1	04/09/18	MS	DR	ES



Client
 Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1 AS SHOWN
 Discipline CIVIL

ARUP BYRNE LOOBY
 CLANCY MOORE ARCHITECTS

Drawing Title
WORKING AREAS LAYOUT PLAN
 16 OF 16
 Drawing Status
PLANNING
 Job No 247825-00 Drawing No C-IS-1516 Issue P1



- NOTES**
1. ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 2. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.
 3. TOP LAYER OF EXISTING REVETMENT TO BE REMOVED TO A MINIMUM OF 2.5MODM OR 2M THICKNESS, WHICHEVER IS GREATER.
 4. TIE-IN DETAIL OF SOUTHERN END OF REVETMENT TO BE CONFIRMED BASED ON LOCATION OF EXISTING GE CABLE
 5. DENSITY OF ROCK ARMOUR ASSUMED TO BE 2600KG/M³
 6. HISTORIC HIGH WATER MARK TAKEN FROM THE EXTENT OF FORESHORE SHOWN ON THE 1888-1913 OSI 25 INCH MAPS

- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - - - PROPOSED FINAL WWTP SITE BOUNDARY



OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

FOR SECTIONS REFER TO DRGS
247825-00-M-R-2001 TO M-R-2003

Issue	Date	By	Chkd	Appd
P1	03/09/18	PW	IA	IA



Client
UISCE ÉIREANN IRISH WATER

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
1:500

Discipline
Infrastructure

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
ARKLOW WwTP REVETMENT UPGRADE EXISTING LAYOUT PLAN

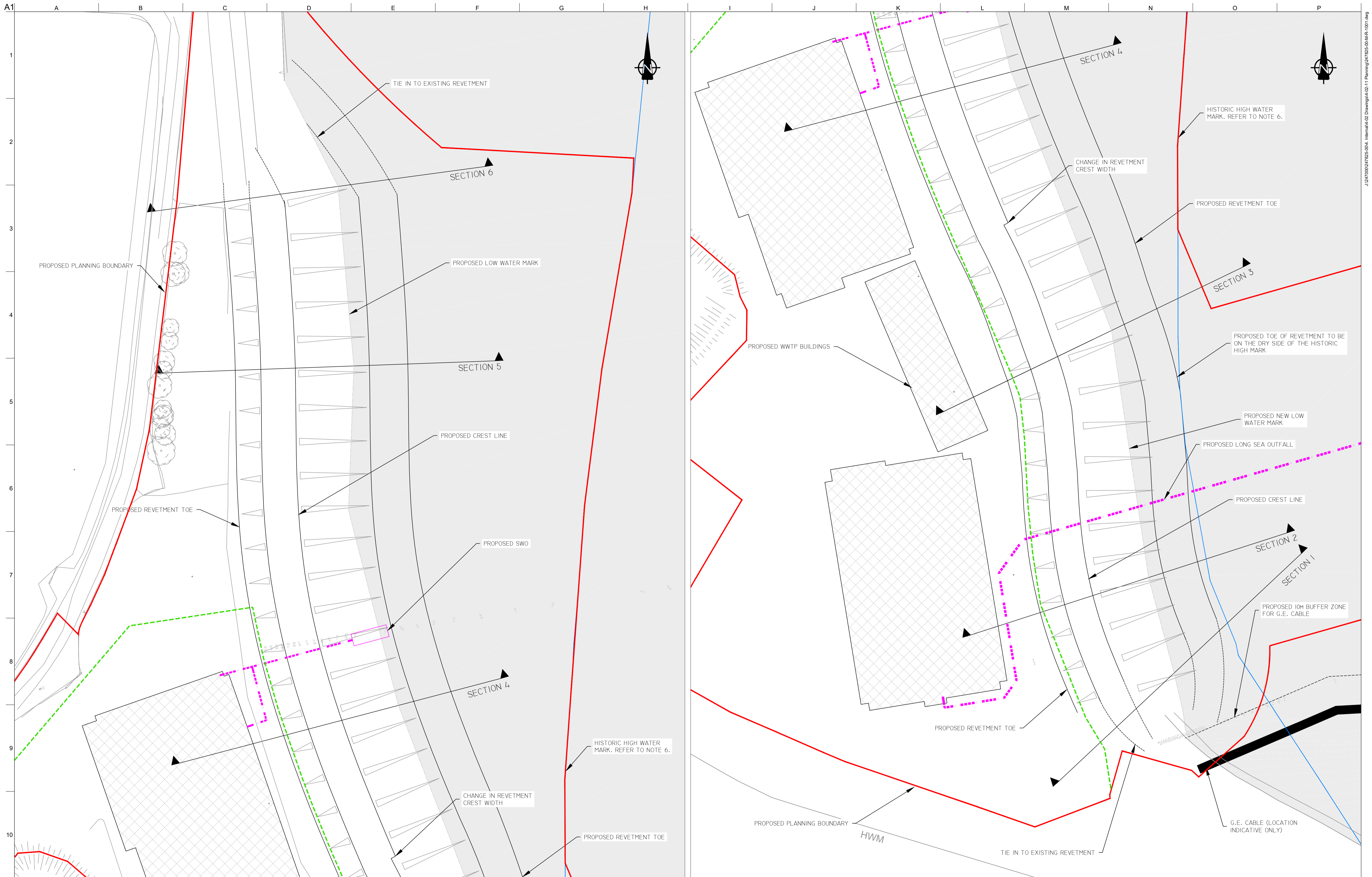
Drawing Status
PLANNING

Job No
247825-00

Drawing No
M-R-1001

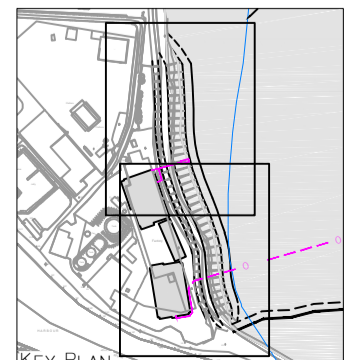
Issue
P1

J:\247825\247825-00-M-R-1001.dwg - Inm4.02 Drawing\4.02-11 Planning\247825-00-M-R-1001.dwg



- NOTES**
1. ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 2. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.
 3. TOP LAYER OF EXISTING REVETMENT TO BE REMOVED TO A MINIMUM OF 2.5M ODM OR 2M THICKNESS, WHICHEVER IS GREATER.
 4. TIE-IN DETAIL OF SOUTHERN END OF REVETMENT TO BE CONFIRMED BASED ON LOCATION OF EXISTING GE CABLE
 5. DENSITY OF ROCK ARMOUR ASSUMED TO BE 2600KG/M³
 6. HISTORIC HIGH WATER MARK TAKEN FROM THE EXTENT OF FORESHORE SHOWN ON THE 1888-1913 OSI 25 INCH MAPS

- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - - - PROPOSED FINAL WwTP SITE BOUNDARY
 - - - PROPOSED OUTFALL / SWO



OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17

FOR SECTIONS REFER TO DRGS
247825-00-M-R-2001 TO M-R-2003

Issue	Date	By	Chkd	Appd
P1	03/09/18	PW	IA	IA

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1: 1:500

Discipline: Infrastructure

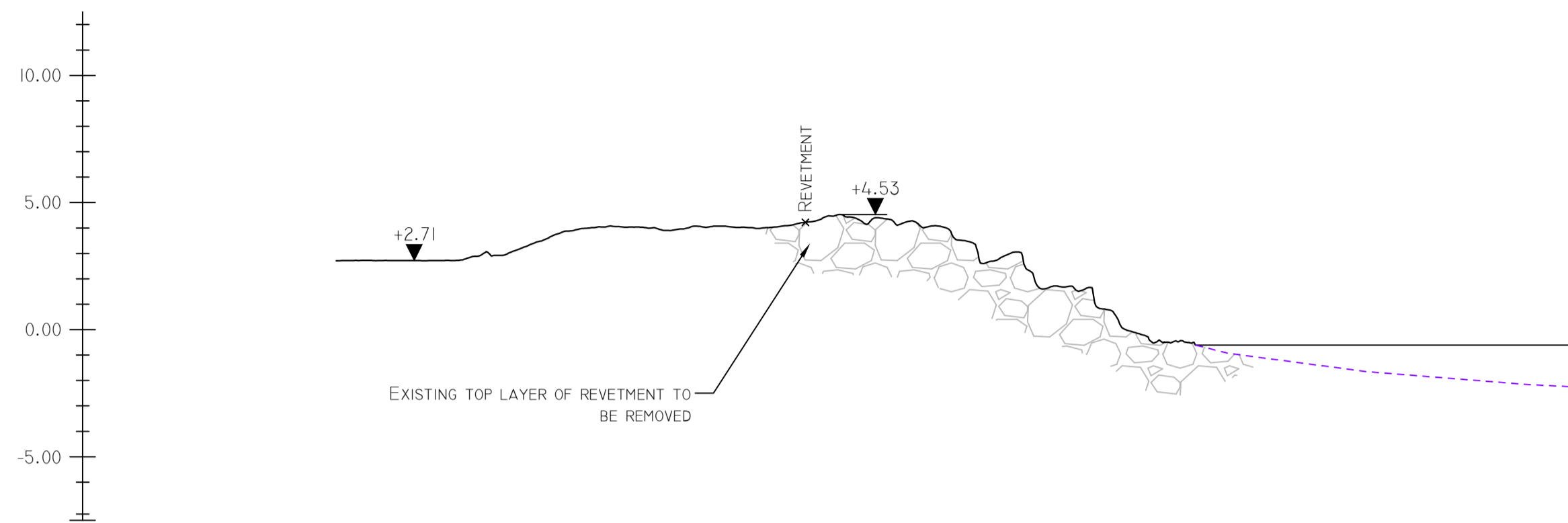
ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

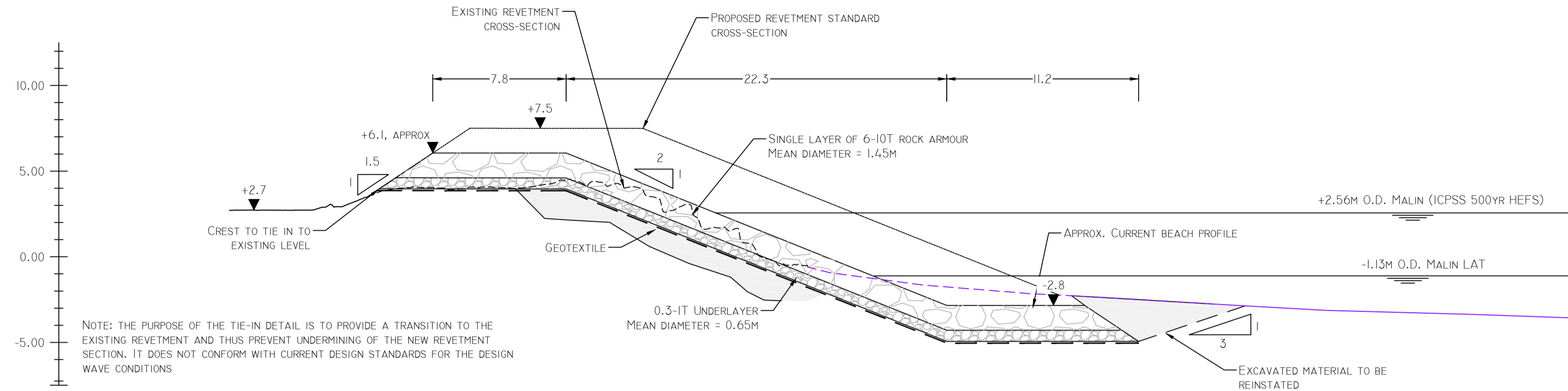
Drawing Title
ARKLOW WwTP REVETMENT UPGRADE PROPOSED LAYOUT PLAN

Drawing Status
PLANNING

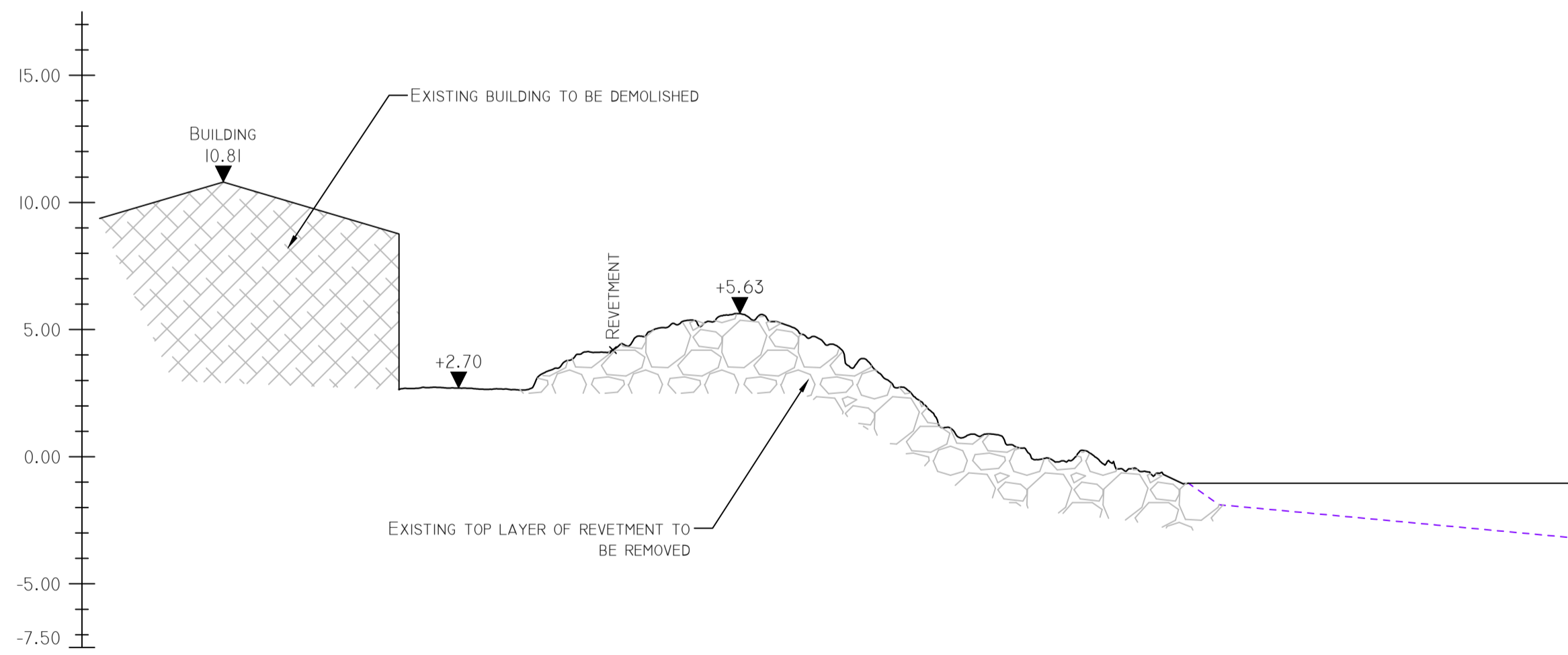
Job No: 247825-00
Drawing No: M-R-1002
Issue: P1



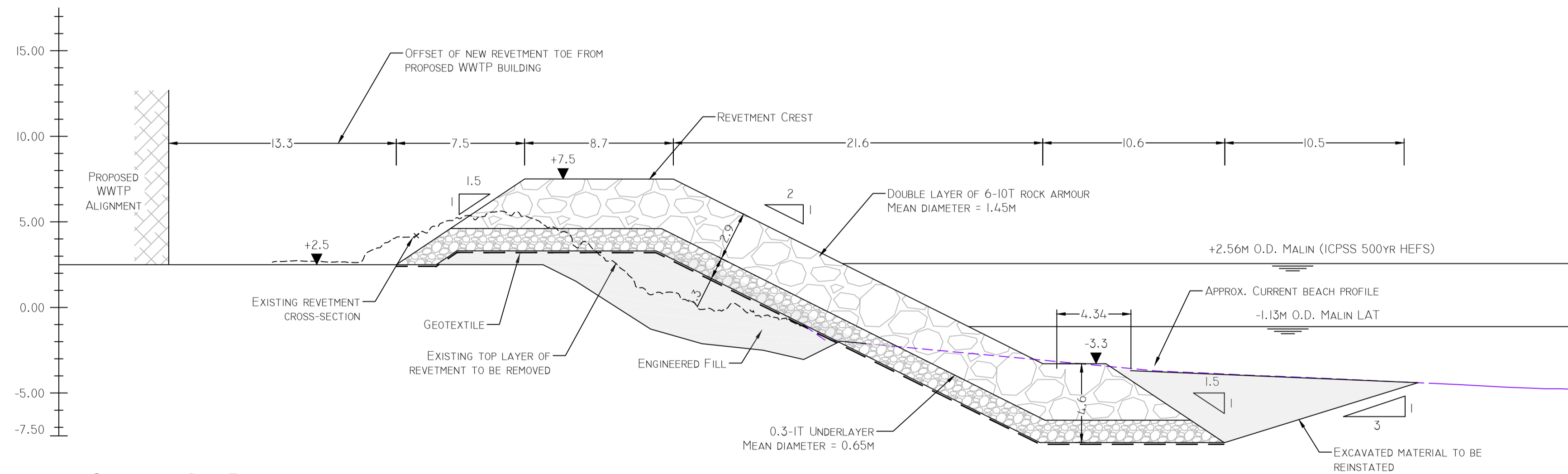
SECTION 1 - EXISTING



SECTION 1 - PROPOSED: TIE IN TO EXISTING REVETMENT, SOUTH



SECTION 2 - EXISTING



SECTION 2 - PROPOSED

- NOTES**
1. ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 2. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.
 3. TOP LAYER OF EXISTING REVETMENT TO BE REMOVED TO A MINIMUM OF 2.5MODM OR 2M THICKNESS, WHICHEVER IS GREATER.
 4. TIE-IN DETAIL OF SOUTHERN END OF REVETMENT TO BE CONFIRMED BASED ON LOCATION OF EXISTING GE CABLE
 5. DENSITY OF ROCK ARMOUR ASSUMED TO BE 2600KG/M³
 6. HISTORIC HIGH WATER MARK TAKEN FROM THE EXTENT OF FORESHORE SHOWN ON THE 1888-1913 OSI 25 INCH MAPS

FOR SECTION LOCATIONS REFER TO DRGS 247825-00-M-R-1001 & M-R-1002

P1	03/09/18	PW	IA	IA
Issue	Date	By	Chkd	Appd

Client



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
1:200

Discipline
Infrastructure

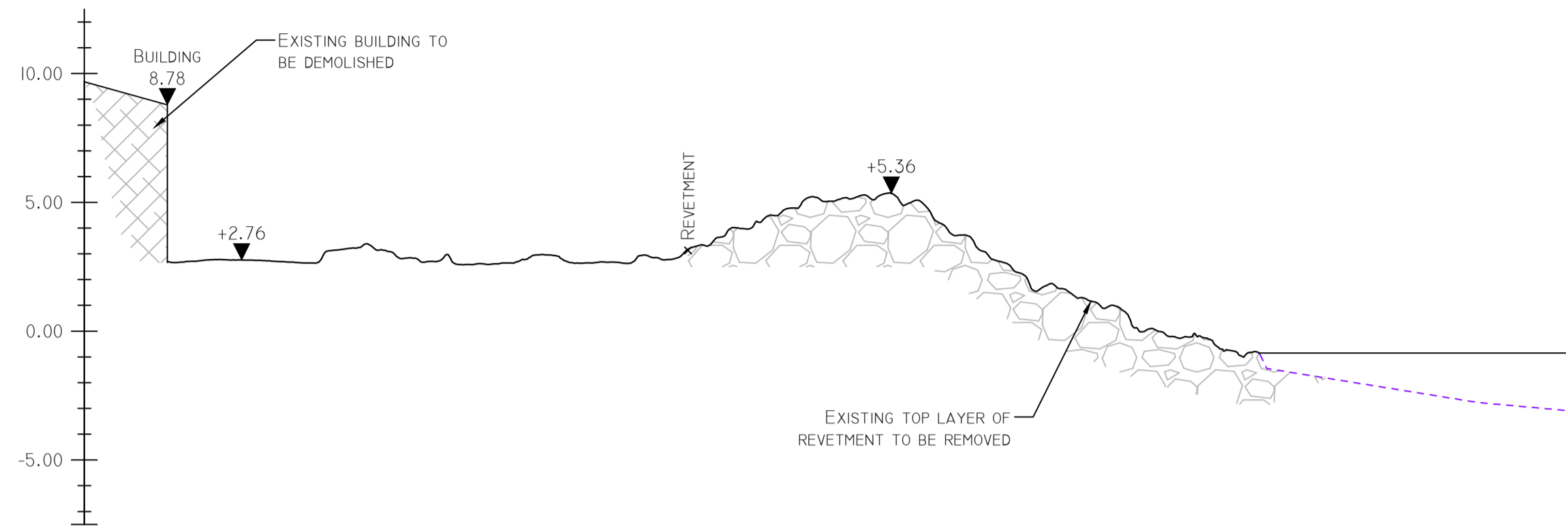
ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

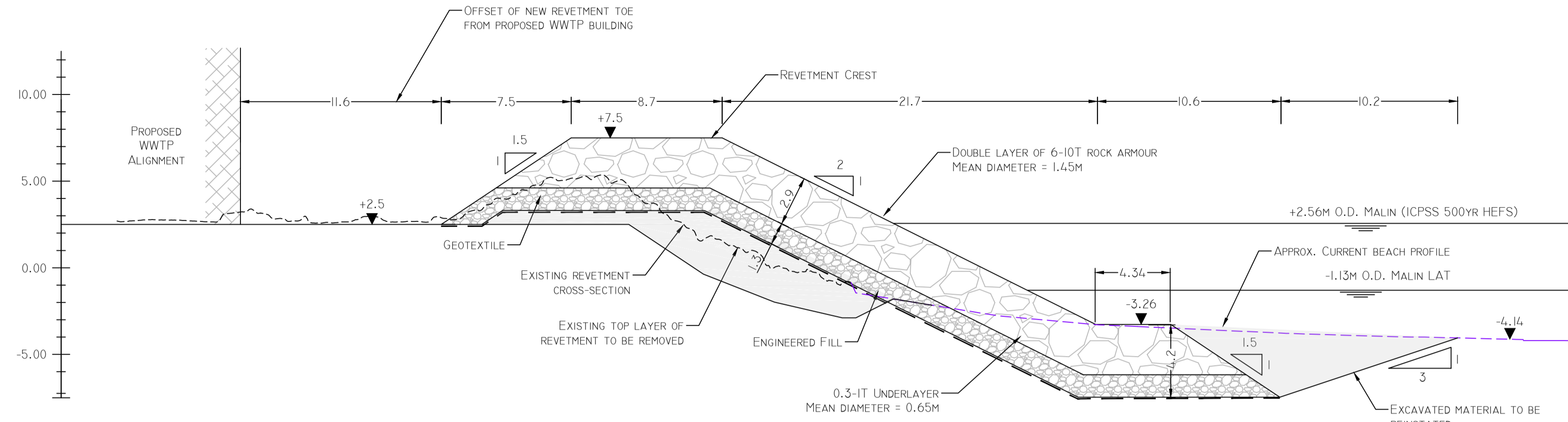
Drawing Title
ARKLOW WWTP REVETMENT UPGRADE CROSS SECTION - SHEET 1 OF 3

Drawing Status
PLANNING

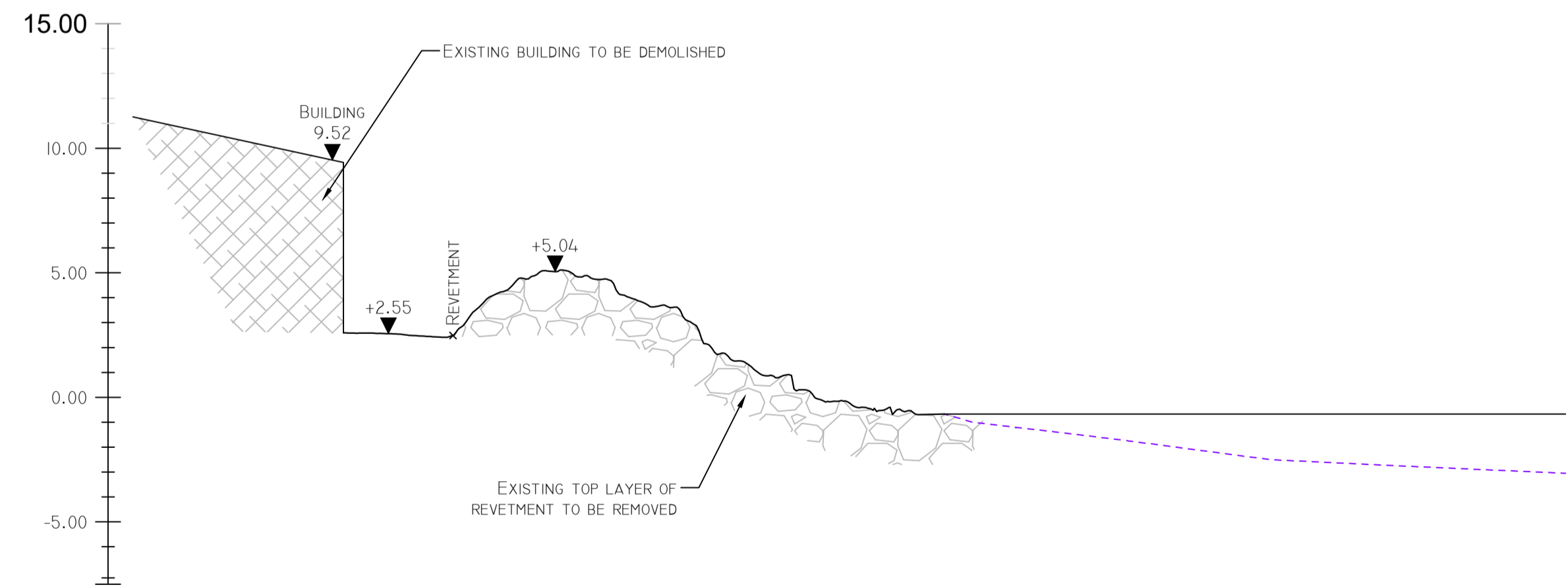
Job No 247825-00	Drawing No M-R-2001	Issue P1
---------------------	------------------------	-------------



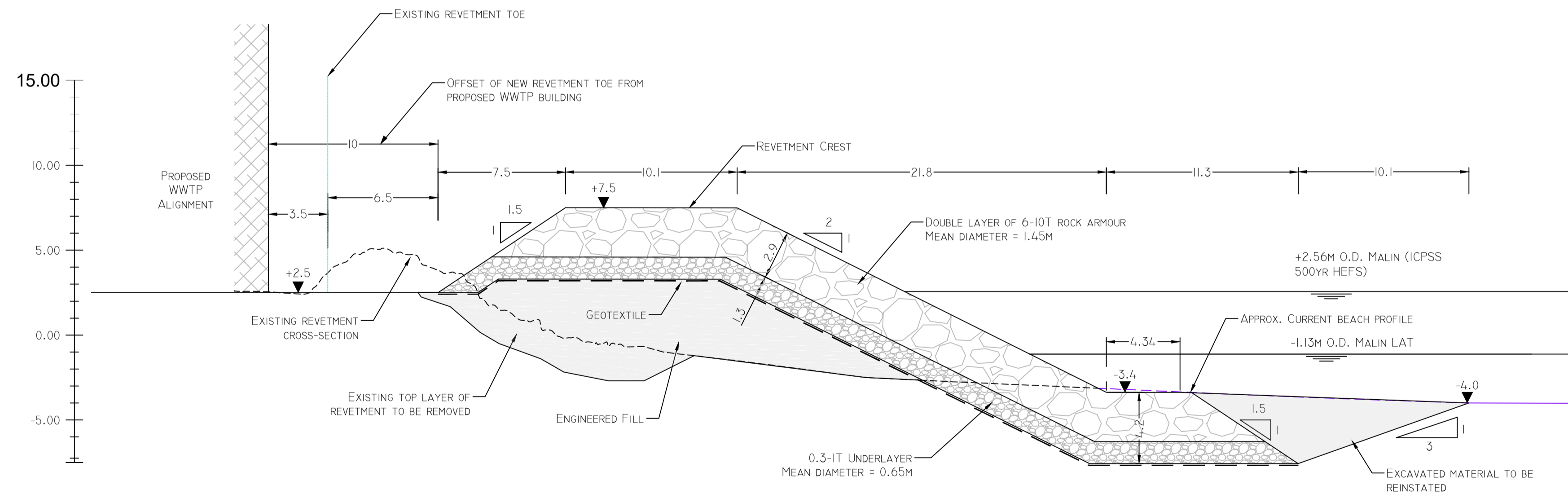
SECTION 3 - EXISTING



SECTION 3 - PROPOSED



SECTION 4 - EXISTING



SECTION 4 - PROPOSED

- Notes**
- All dimensions in m unless otherwise noted.
 - All levels in metres relative to Ordnance Datum Malin.
 - Top layer of existing revetment to be removed to a minimum of 2.5m ODM or 2m thickness, whichever is greater.
 - Tie-in detail of southern end of revetment to be confirmed based on location of existing GE cable
 - Density of rock armour assumed to be 2600kg/m³
 - Historic high water mark taken from the extent of foreshore shown on the 1888-1913 OSI 25 inch maps

FOR SECTION LOCATIONS REFER TO DRGS 247825-00-M-R-1001 & M-R-1002

P1	03/09/18	PW	IA	IA
Issue	Date	By	Chkd	Appd



Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
1:200

Discipline
Infrastructure

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

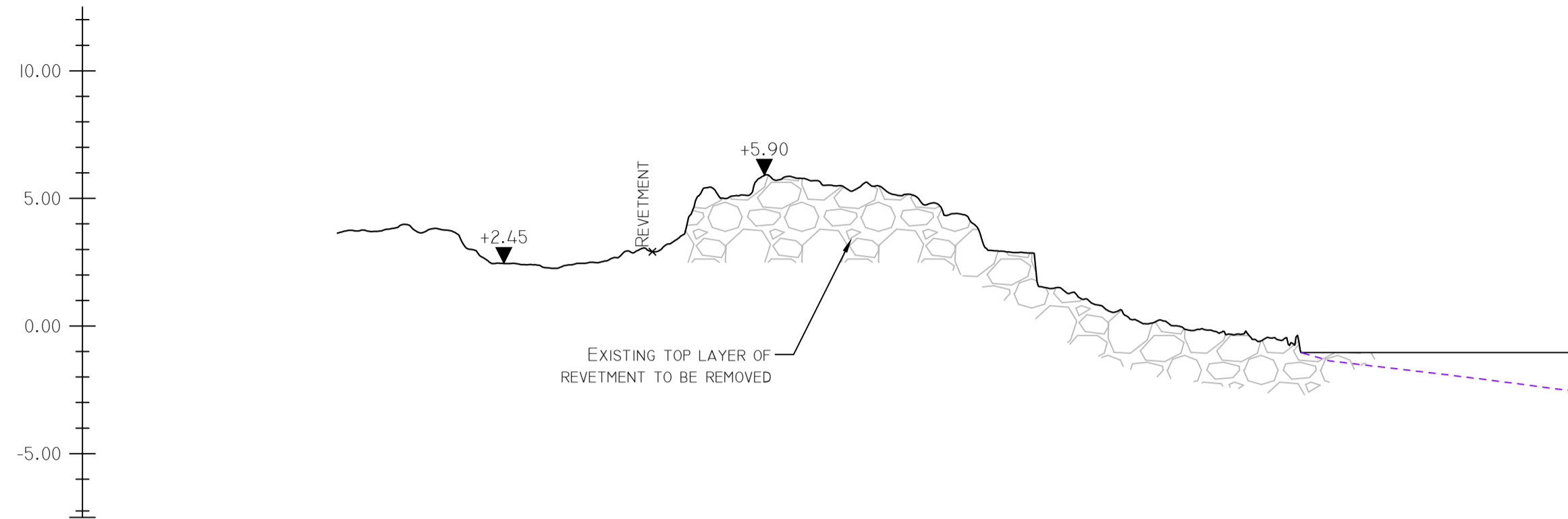
Drawing Title
Arklow WWTP REVETMENT UPGRADE CROSS SECTION - SHEET 2 OF 3

Drawing Status
PLANNING

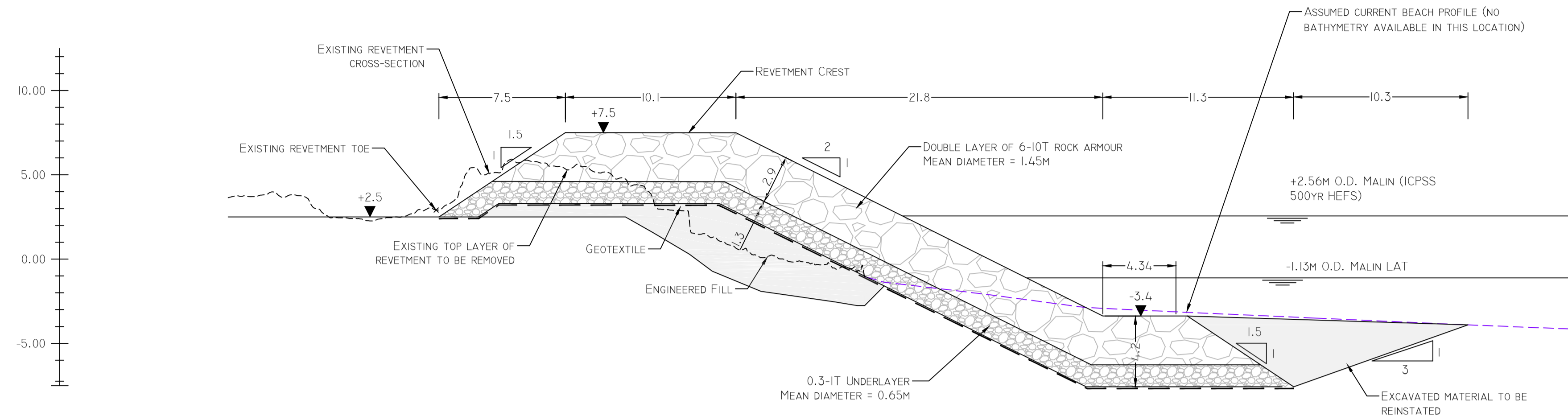
Job No
247825-00

Drawing No
M-R-2002

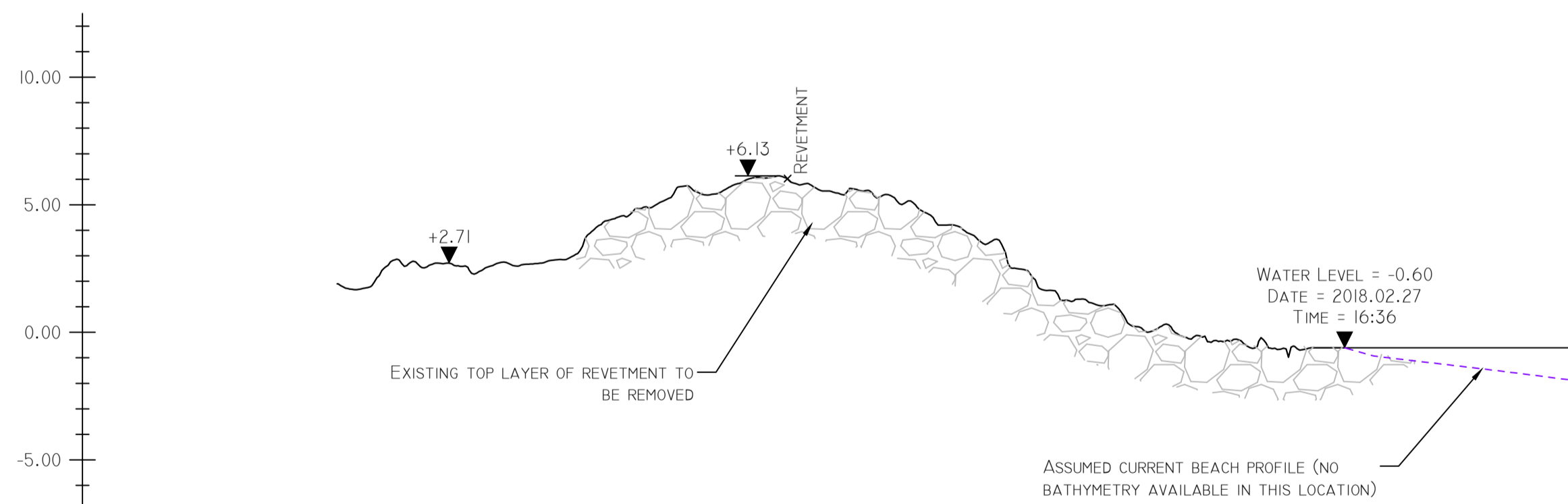
Issue
P1



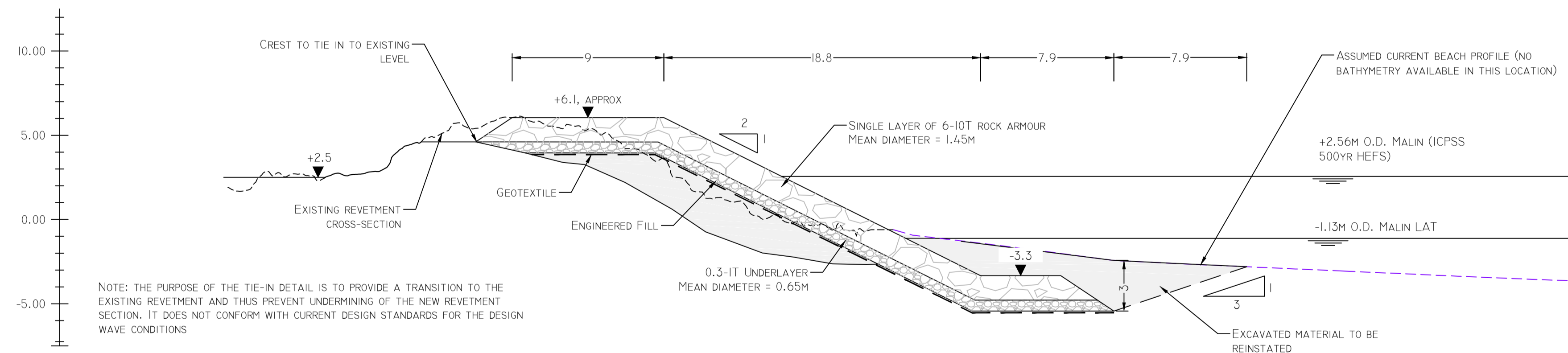
SECTION 5 - EXISTING



SECTION 5 - PROPOSED



SECTION 6 - EXISTING



SECTION 6 - PROPOSED: TIE IN TO EXISTING REVETMENT, NORTH

- Notes**
- All dimensions in m unless otherwise noted.
 - All levels in metres relative to Ordnance Datum Malin.
 - Top layer of existing revetment to be removed to a minimum of 2.5m ODM or 2m thickness, whichever is greater.
 - Tie-in detail of southern end of revetment to be confirmed based on location of existing GE cable
 - Density of rock armour assumed to be 2600kg/m³
 - Historic high water mark taken from the extent of foreshore shown on the 1888-1913 OSI 25 inch maps

FOR SECTION LOCATIONS REFER TO DRGS 247825-00-M-R-1001 & M-R-1002

P1	03/09/18	PW	IA	IA
Issue	Date	By	Chkd	Appd

Client



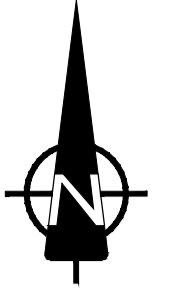
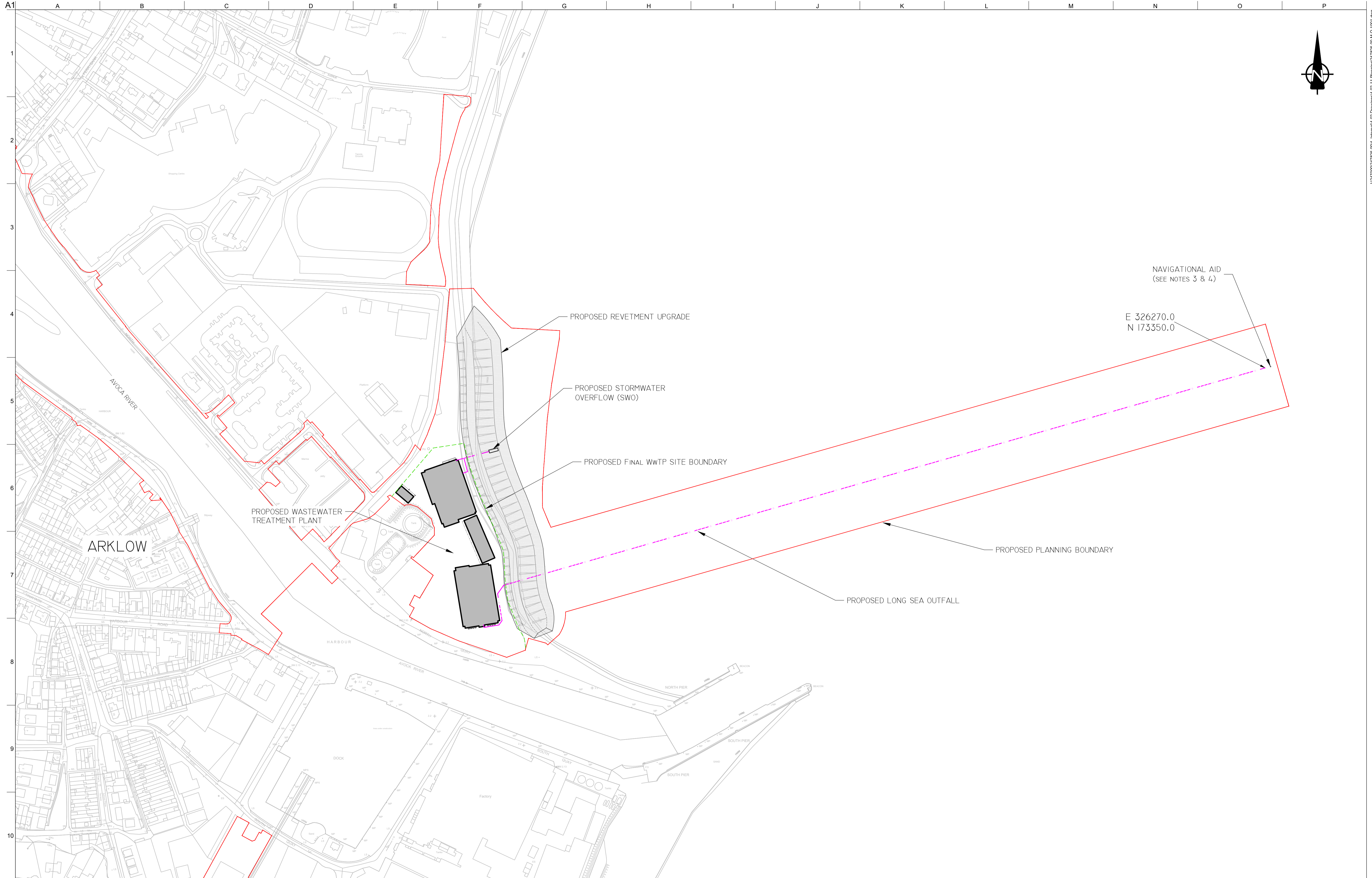
Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
1:200
Discipline
Infrastructure

ARUP BYRNE LOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
ARKLOW WWTP
REVTMENT UPGRADE
CROSS SECTION - SHEET 3 OF 3

Drawing Status
PLANNING
Job No
247825-00
Drawing No
M-R-2003
Issue
P1



- NOTES:**
1. ALL DIMENSIONS IN M UNLESS OTHERWISE NOTED.
 2. ALL LEVELS IN METRES RELATIVE TO ORDNANCE DATUM MALIN.
 3. A MARKER BUOY CONSISTING OF A YELLOW CAN SHAPED LIGHTED BUOY, EXHIBITING A FL.Y.2.5S LIGHT (OR AS REQUIRED) SHALL BE INSTALLED TO MARK THE LOCATION OF THE OUTFALL.
 4. ANCHORING OF THE BUOY SHALL BE SEPARATE FROM THE OUTFALL STRUCTURE AND LOCATED AT AN APPROPRIATE DISTANCE BEYOND THE END OF THE OUTFALL, SUCH THAT IT HAS NO IMPACT ON THE OUTFALL STRUCTURE

- LEGEND**
- PROPOSED PLANNING BOUNDARY
 - PROPOSED FINAL WWTP SITE BOUNDARY
 - PROPOSED OUTFALL \ STORMWATER OUTLET

Ordnance Survey Ireland Licence No. EN 0083318
 © Ordnance Survey Ireland/ Government of Ireland
 OSi Sheet numbers:
 4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	AC	EMcA

Client

Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1
 1:2000

Discipline
 Infrastructure

ARUP BYRNE LOOBY

CLANCY MOORE ARCHITECTS

Drawing Title
ARKLOW WwTP OUTFALLS - PROPOSED CONTIGUOUS LAYOUT PLAN

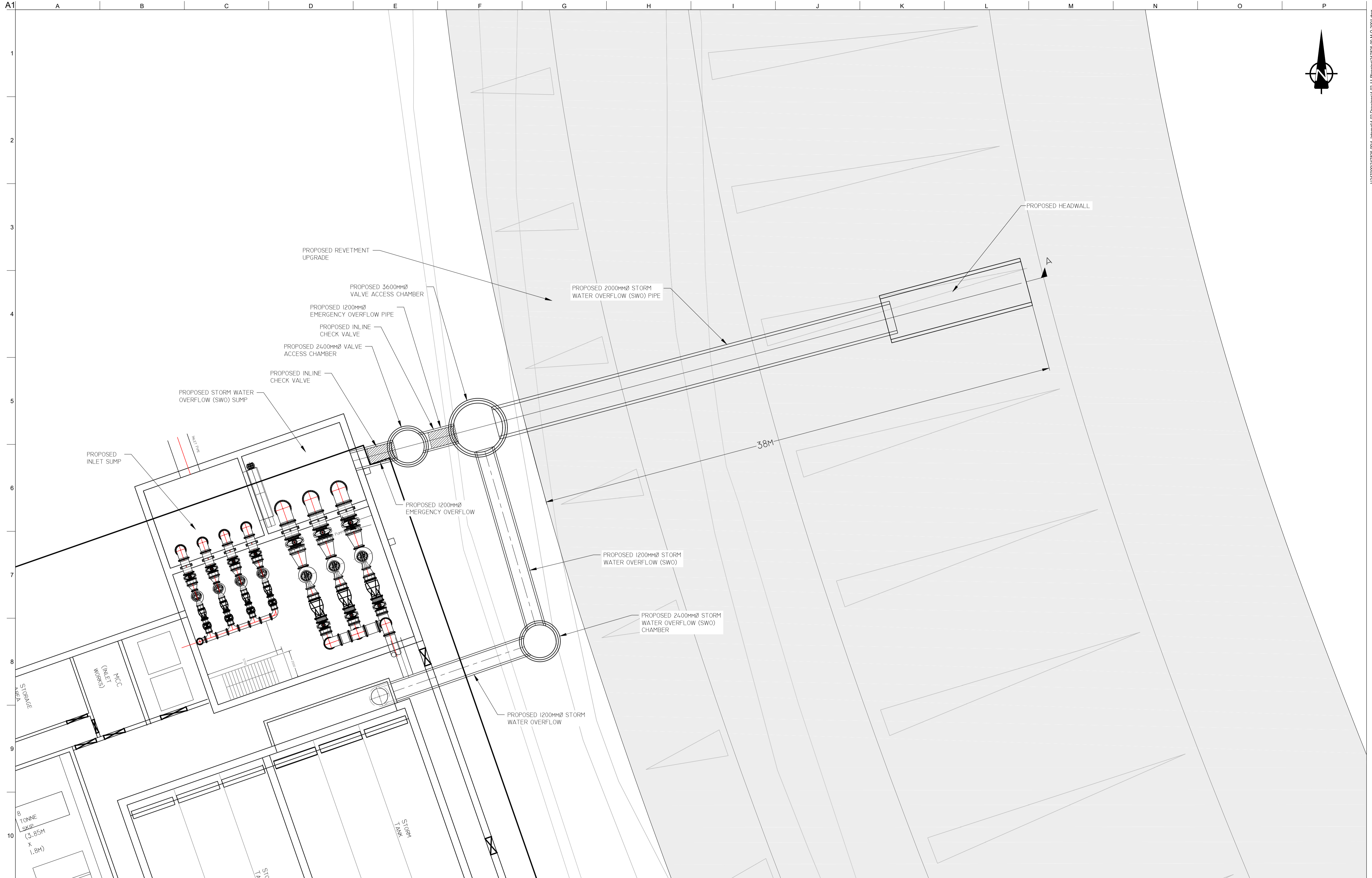
Drawing Status
PLANNING

Job No
247825-00

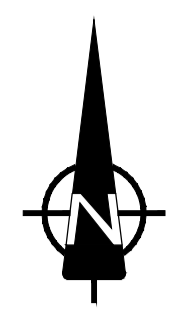
Drawing No
M-O-1001

Issue
P1

J:\247825\247825-004 - Item\4.02 Drawings\4.02-11 Planning\247825-00-M-O-1001.dwg



A1
1
2
3
4
5
6
7
8
9
10



J:\247825\247825-004 - Item\4.02 Drawings\4.02-11 Planning\247825-00-M-O-2001.dwg

B
TONNE
SKIP
(3.85M
x
1.8M)

Ordnance Survey Ireland Licence No. EN 0083318
© Ordnance Survey Ireland/ Government of Ireland
OSi Sheet numbers:
4428-A, 4428-07, 4428-11, 4428-12, 4428-16 & 4428-17



Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	AC	EMcA

Client



Job Title
**ARKLOW WASTEWATER
TREATMENT PLANT PROJECT**

Scale at A1
1:125

Discipline
Infrastructure

ARUP BYRNELOOBY

CLANCY MOORE ARCHITECTS

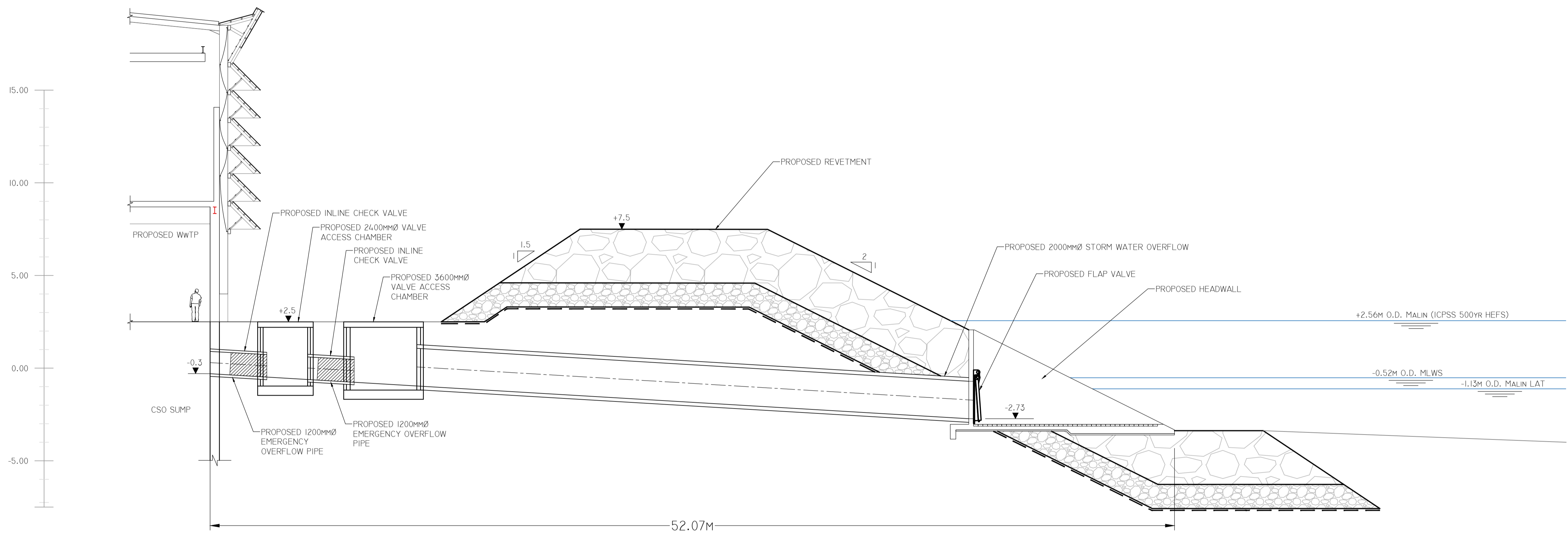
Drawing Title
**ARKLOW WwTP - STORM WATER
OVERFLOW (SWO) AT WwTP SITE
PLAN**

Drawing Status
PLANNING

Job No
247825-00

Drawing No
M-O-2001

Issue
P1



Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	AC	EMcA

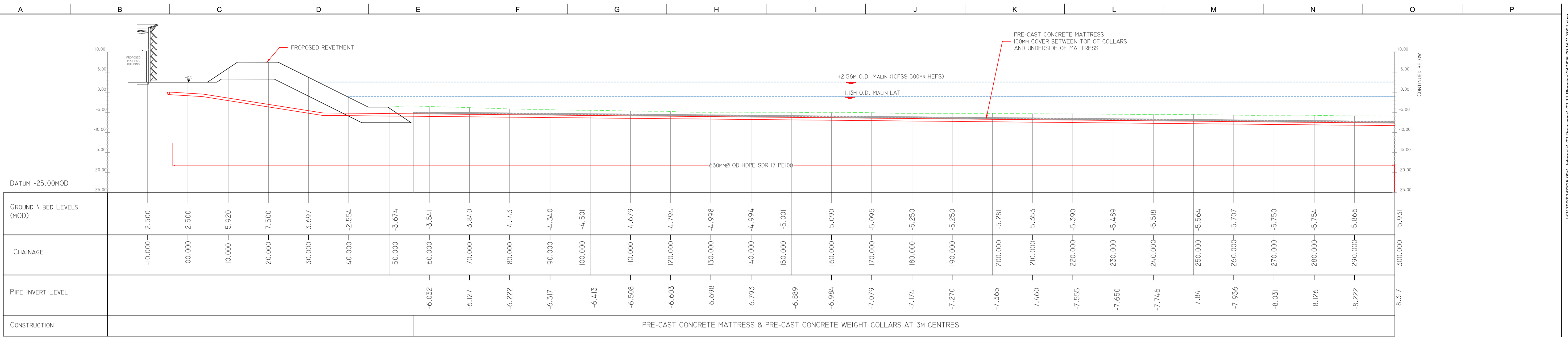


Client
 Job Title
ARKLOW WASTEWATER TREATMENT PLANT PROJECT
 Scale at A1
 1:125
 Discipline
 Infrastructure

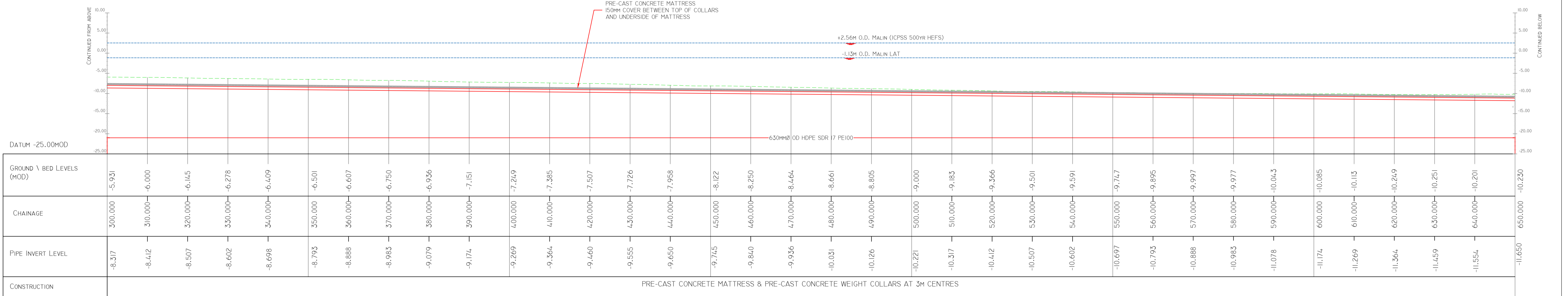
ARUP BYRNE LOOBY
CLANCY MOORE ARCHITECTS

Drawing Title
ARKLOW WwTP - STORM WATER OVERFLOW (SWO) AT WwTP SITE LONGITUDINAL SECTION
 Drawing Status
PLANNING
 Job No
247825-00
 Drawing No
M-O-2101
 Issue
P1

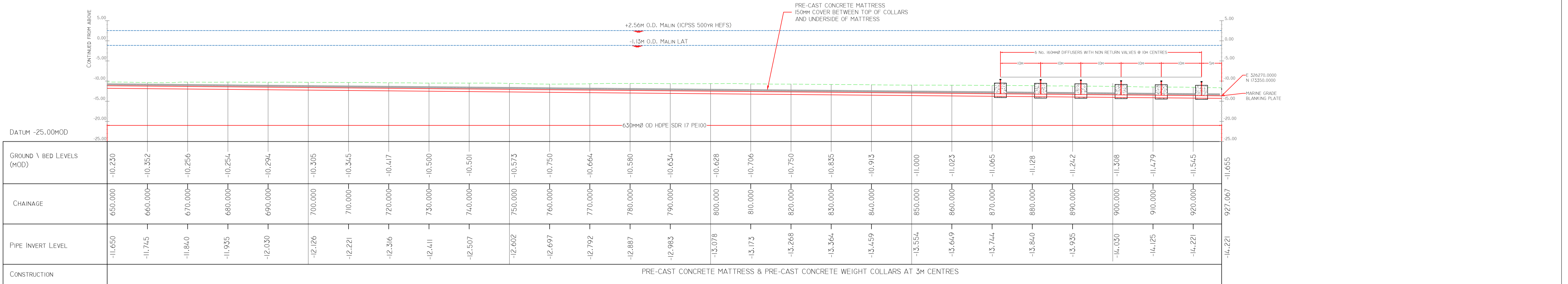
A1



LONG SEA OUTFALL - LONG SECTION
SCALE: H 1:500,V 1:500, DATUM: -15.000



LONG SEA OUTFALL - LONG SECTION
SCALE: H 1:500,V 1:500, DATUM: -15.000

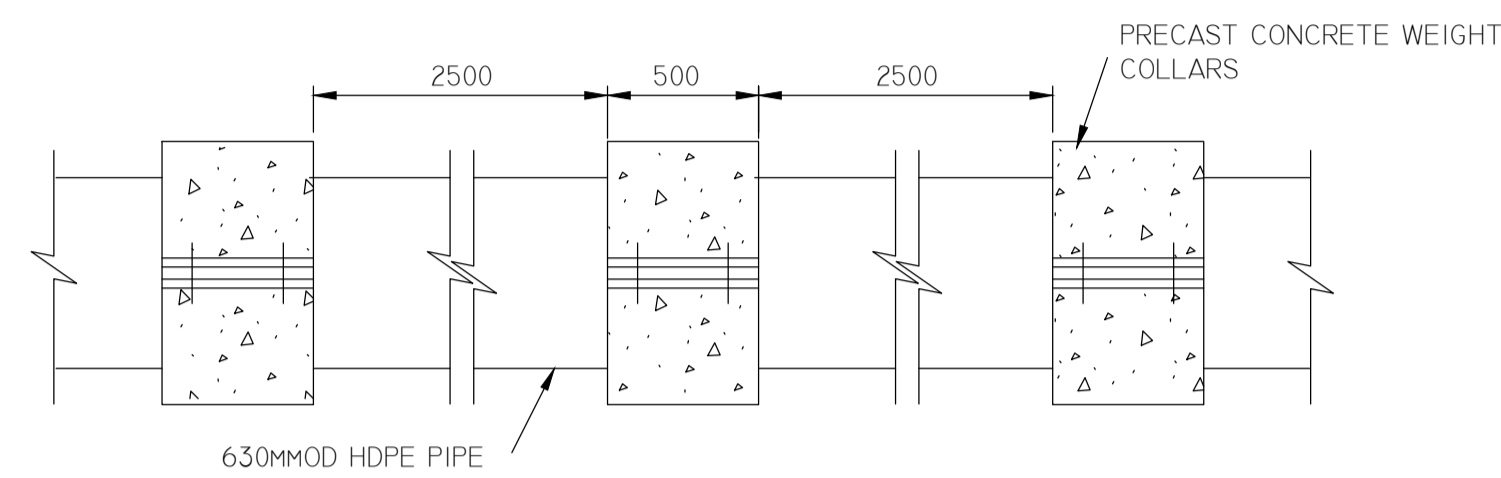


LONG SEA OUTFALL - LONG SECTION
SCALE: H 1:500,V 1:500, DATUM: -15.000

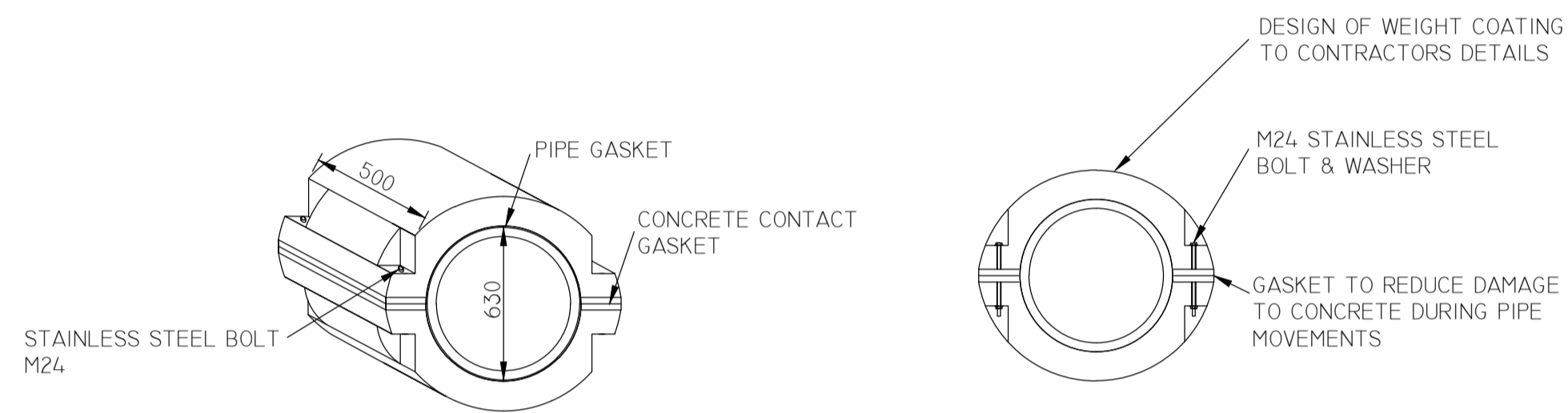
Do not scale

<p>Client</p>					<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p>		<p>Drawing Title</p> <p>ARKLOW WwTP LONG SEA OUTFALL - INDICATIVE LONGITUDINAL SECTION</p>											
<table border="1"> <tr> <td>P1</td><td>03/09/18</td><td>TD</td><td>AC</td><td>EMcA</td> </tr> <tr> <td>Issue</td><td>Date</td><td>By</td><td>Chkd</td><td>Appd</td> </tr> </table>					P1	03/09/18	TD	AC	EMcA	Issue	Date	By	Chkd	Appd	<p>Scale at A1</p> <p>As Shown</p>		<p>Drawing Status</p> <p>PLANNING</p>	
P1	03/09/18	TD	AC	EMcA														
Issue	Date	By	Chkd	Appd														
<p>Discipline</p> <p>Infrastructure</p>					<p>ARUP BYRNE LOOBY</p> <p>CLANCY MOORE ARCHITECTS</p>		<p>Job No</p> <p>247825-00</p>											
					<p>Drawing No</p> <p>M-O-3001</p>		<p>Issue</p> <p>P1</p>											

© Arup

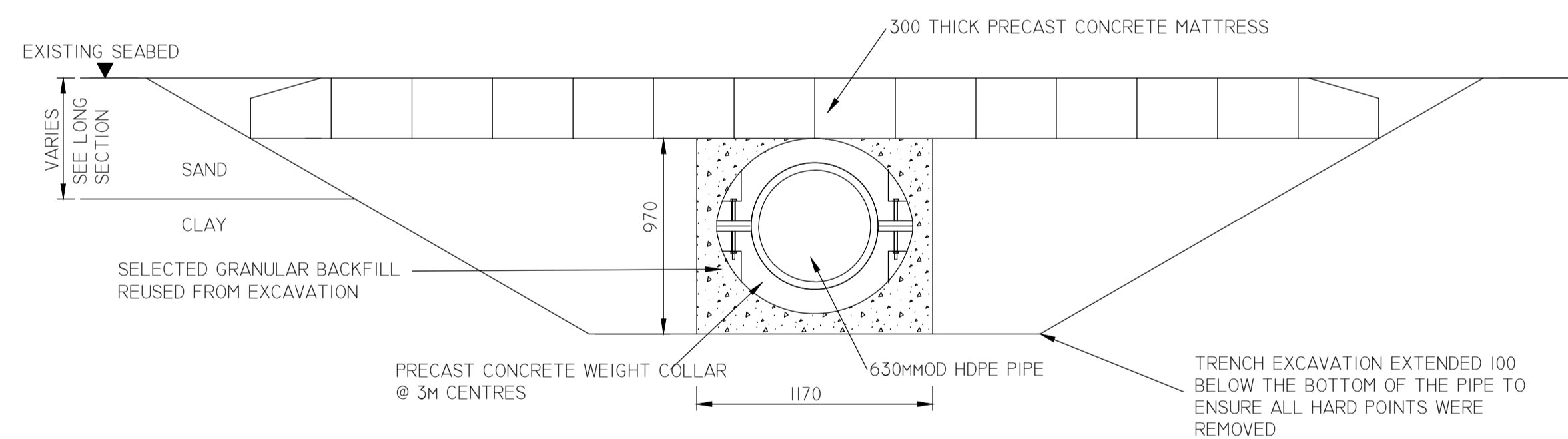


PIPE LONGSECTION (INSTALLATION PHASE)
SCALE 1:25



CONCRETE WEIGHT COATING DETAIL
SCALE 1:25

FIXING DETAIL
SCALE 1:25



TYPICAL TRENCH PROFILE - SEABED
SCALE 1:25

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS NOTED OTHERWISE.
2. ALL MANHOLES AND WORKS TO COMPLY WITH IRISH WATER STANDARD DETAILS
3. FOR OUTFALL ROUTE PLAN REFER TO DRAWING No. 247825-00-M-O-1001
4. FOR OUTFALL LONGITUDINAL SECTIONS REFER TO DRAWING No. 247825-00-M-O-3001
5. EXACT SIZE OF CONCRETE COLLAR WEIGHT TO BE DETERMINED BY CONTRACTOR
6. WHERE WEIGHT COLLARS ARE NOT SHOWN, PIPES TO BE SUNK USING SADDLE BAGS TO CONTRACTORS DETAILS
7. LAPS TO GEOTEXTILES 1000MM IN ALL CASES
8. MATTRESS AT CORNER TO HAVE NO VOIDS, LOCAL GROUTING REQUIRED
9. MATTRESS EXTENDED A MINIMUM OF 3M EITHER SIDE OF THE PIPE CENTRE LINE AT ALL LOCATIONS
10. PIPES TO BE LAID ON A BED OF MATERIAL WHICH PROVIDES EVEN AND CONTINUOUS SUPPORT. BED TO BE CHECKED FOR HARD POINTS WHICH ARE TO BE REMOVED.
11. ALL STAINLESS STEEL IS TO BS 1.4462 TO EN 10088

Issue	Date	By	Chkd	Appd
P1	03/09/18	TD	AC	EMcA

Client



Job Title

ARKLOW WASTEWATER TREATMENT PLANT PROJECT

Scale at A1 As shown

Discipline Infrastructure



CLANCY MOORE ARCHITECTS

Drawing Title

ARKLOW WwTP LONG SEA OUTFALL TYPICAL CROSS SECTION

Drawing Status

PLANNING

Job No

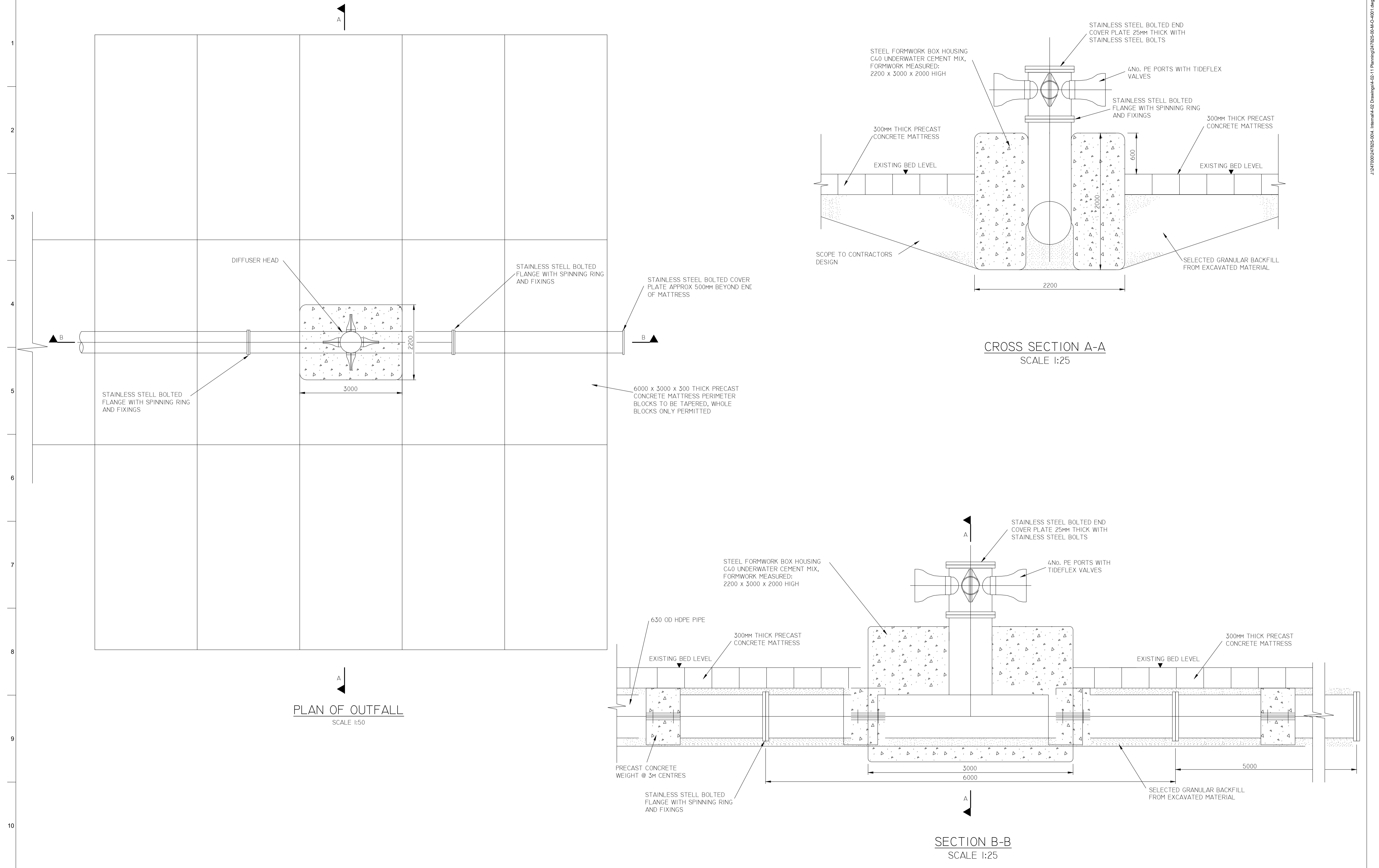
247825-00

Drawing No

M-O-3101

Issue

P1



PLAN OF OUTFALL
SCALE 1:50

CROSS SECTION A-A
SCALE 1:25

SECTION B-B
SCALE 1:25

<table border="1"> <tr> <td>P1</td> <td>03/09/18</td> <td>TD</td> <td>AC</td> <td>EMcA</td> </tr> <tr> <td>Issue</td> <td>Date</td> <td>By</td> <td>Chkd</td> <td>Appd</td> </tr> </table>					P1	03/09/18	TD	AC	EMcA	Issue	Date	By	Chkd	Appd	<p>Client</p>	<p>Job Title</p> <p>ARKLOW WASTEWATER TREATMENT PLANT PROJECT</p> <p>Scale at A1: As Shown</p> <p>Discipline: Infrastructure</p>	<p>CLANCY MOORE ARCHITECTS</p>	<p>Drawing Title</p> <p>ARKLOW WwTP LONG SEA OUTFALL TYPICAL DIFFUSER DETAILS</p> <p>Drawing Status: PLANNING</p> <p>Job No: 247825-00 Drawing No: M-O-4001 Issue: P1</p>
P1	03/09/18	TD	AC	EMcA														
Issue	Date	By	Chkd	Appd														