



Mayo County Council

Derrinnumera Sludge Hub Centre & Leachate Treatment Facility

ENVIRONMENTAL IMPACT STATEMENT
(PREPARED FOR REVIEW OF WASTE LICENCE W0021-01)

VOLUME III: DRAWINGS

May, 2007

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TOBIN CONSULTING ENGINEERS



COMHAIRLE CONTAE MHAIGH EO MAYO COUNTY COUNCIL



DERRINUMERA SLUDGE HUB CENTRE & LEACHATE TREATMENT FACILITY

APPLICATION FOR REVIEW OF DERRINUMERA WASTE LICENCE W0021-01

ENVIRONMENTAL IMPACT STATEMENT [E.I.S.]

VOLUME III : E.I.S. DRAWINGS

Mr. J. Beirne, B.E., M.I.E., C.Eng., Eur. Ing., F.I.E.I., M.C.I.W.E.M.,
DIRECTOR OF SERVICES & COUNTY ENGINEER,
MAYO COUNTY COUNCIL.

MAY 2007

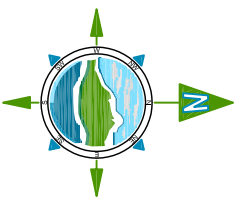
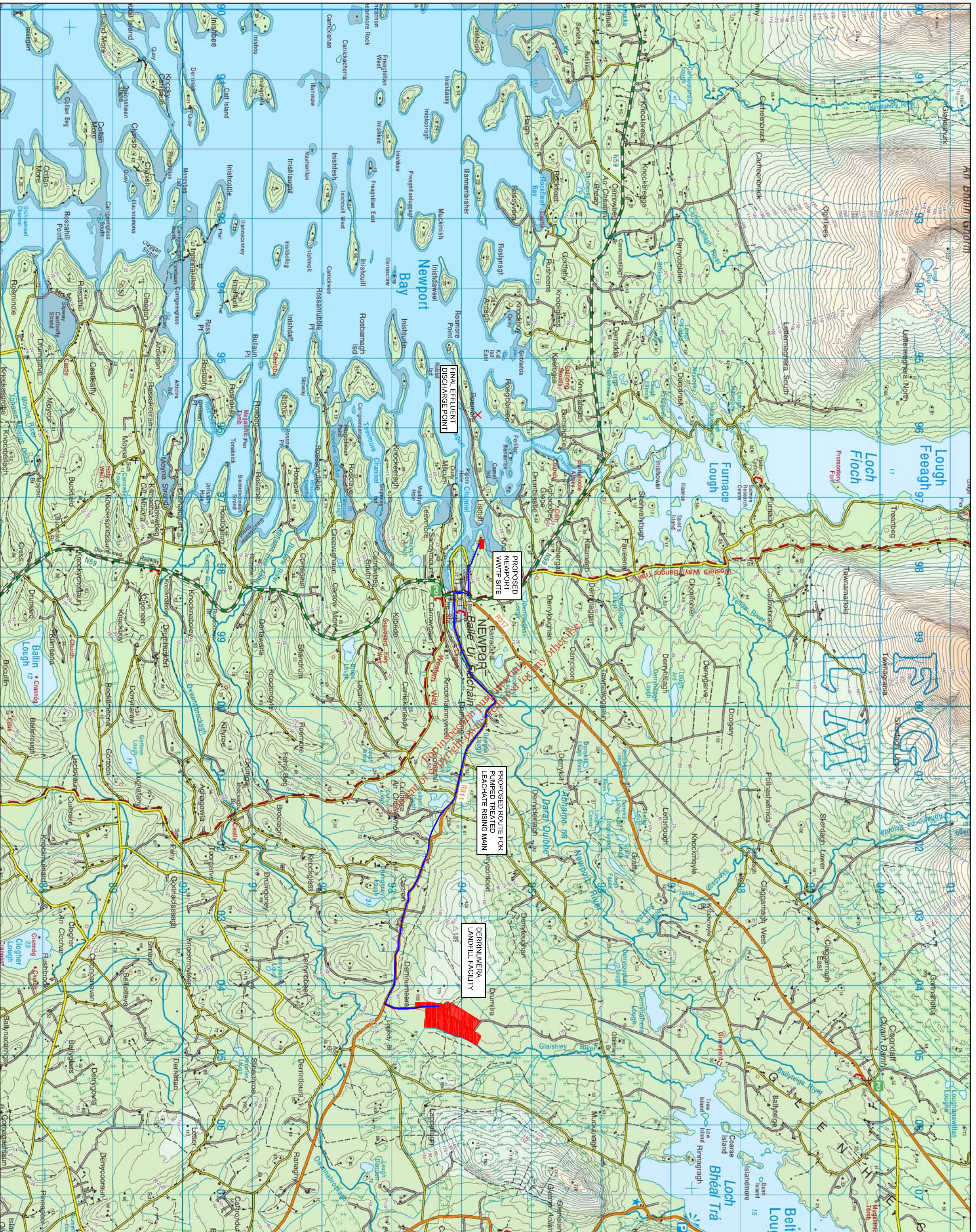


TOBIN Consulting Engineers
GALWAY, CASTLEBAR, DUNDALK,
LIMERICK, DUBLIN & CORK

DERRINUMERA WASTE LICENCE (W0021-01) REVIEW – ENVIRONMENTAL IMPACT STATEMENT
MAY 2007 – DRAWING INDEX

DWG.NO.....	DWG. TITLE.....	DWG.NO.....	DWG. TITLE.....	DWG.NO.....	DWG. TITLE.....	DWG.NO.....	DWG. TITLE.....
1908-2200	ROUTE SELECTION OF PROPOSED TREATED LEACHATE RISING MAIN FROM SLUDGE HUB CENTRE						
1908-2201	EXISTING SITE LAYOUT PLAN OF DERRINUMERA LANDFILL FACILITY						
1908-2202	SITE LAYOUT PLAN OF PROPOSED SLUDGE HUB CENTRE AND LEACHATE TREATMENT FACILITY						
1908-2203	SITE LAYOUT PLAN SHOWING PROPOSED ROAD SURFACES						
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1908-2210	DETAILS OF PROPOSED BIO-FILTERS						

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LEGEND:

PROPOSED TREATED LEACHATE RISING MAIN

- NOTES**
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 4. ALL LEVELS SHOWN RELATIVE TO ORDNANCE SURVEY DATUM AT MAIN HEAD

Issue	Date	Description	By	CHKD
B	MAY 07	COLOR ADJUSTMENT	MH	MFG
A	APRIL 07	CLIENT ISSUE	MH	MFG

Client: **MAYO COUNTY COUNCIL**

Project: **DERRINUREMA WASTE LICENCE (W0021-01) REVIEW ENVIRONMENTAL IMPACT STATEMENT**

Title: **ROUTE SELECTION OF PROPOSED TREATED LEACHATE RISING MAIN FROM LEACHATE TREATMENT FACILITY**

Scale @ A3: **1 : 50,000**

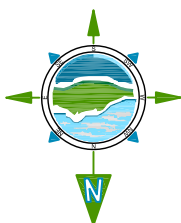
Prepared by: **MH** Checked: **MFG** Date: **APRIL 07**

Project Director: **MICHAEL F. GARRICK**



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Drawing No.: **1908 - 2200** Issue: **B**



— EXISTING WASTE LICENCE
 BOUNDARY UNDER LICENCE NO.
 W0021-01 SHOWN

NOTES

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Issue	Date	Description	By	CHKD.
B	MAY 07	MINOR AMENDMENTS TO DETAIL	M.H.	M.R.G.
A	JULY 06	CLIENT ISSUE	M.J.J.	M.H.

Client: **MAYO COUNTY COUNCIL**

Project: **DERRINUMERA WASTE LICENCE
 (W0021-01) REVIEW
 ENVIRONMENTAL IMPACT
 STATEMENT**

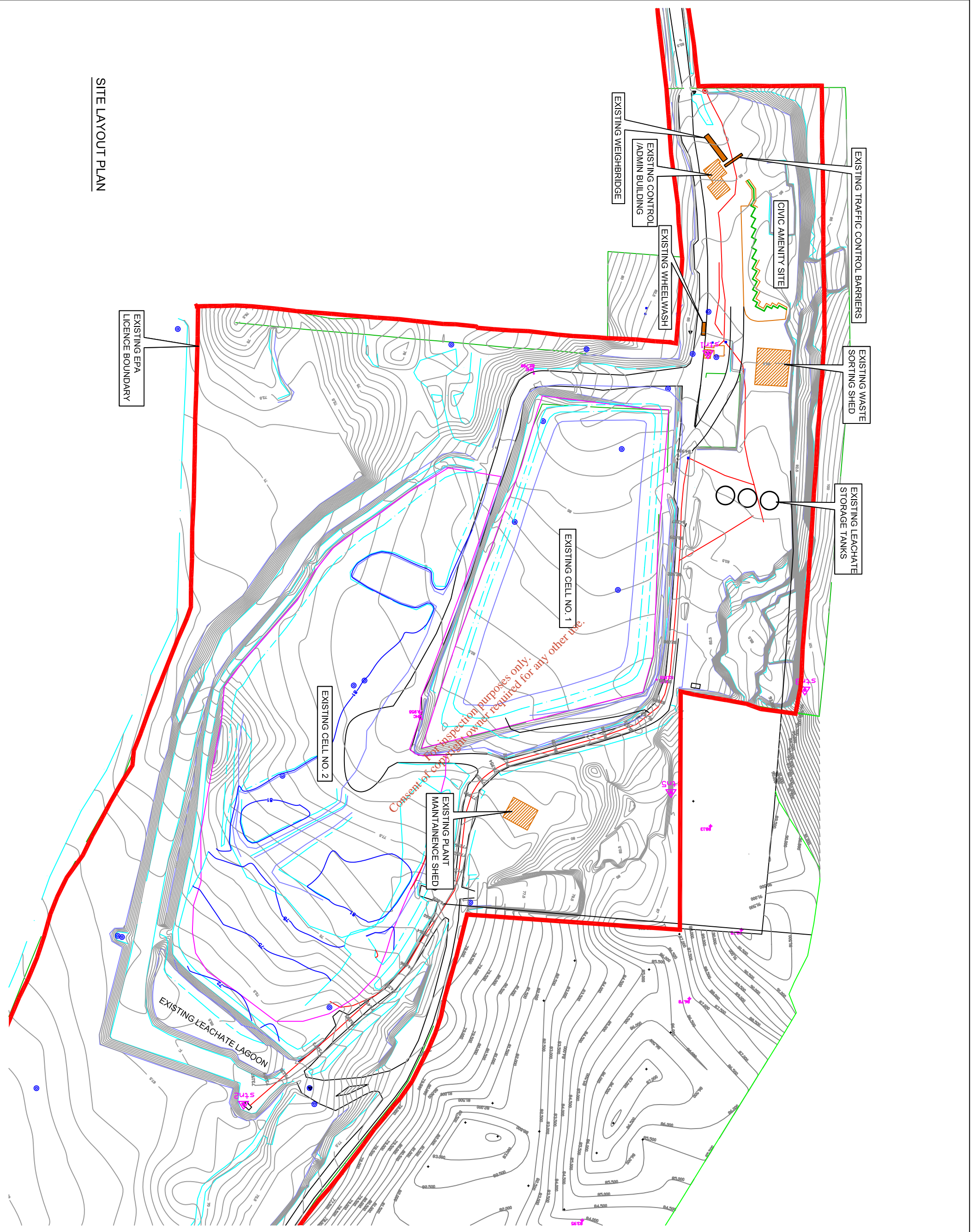
Title: **EXISTING SITE LAYOUT PLAN
 OF DERRINUMERA LANDFILL
 FACILITY**

Scale @ A3: **1:2000**

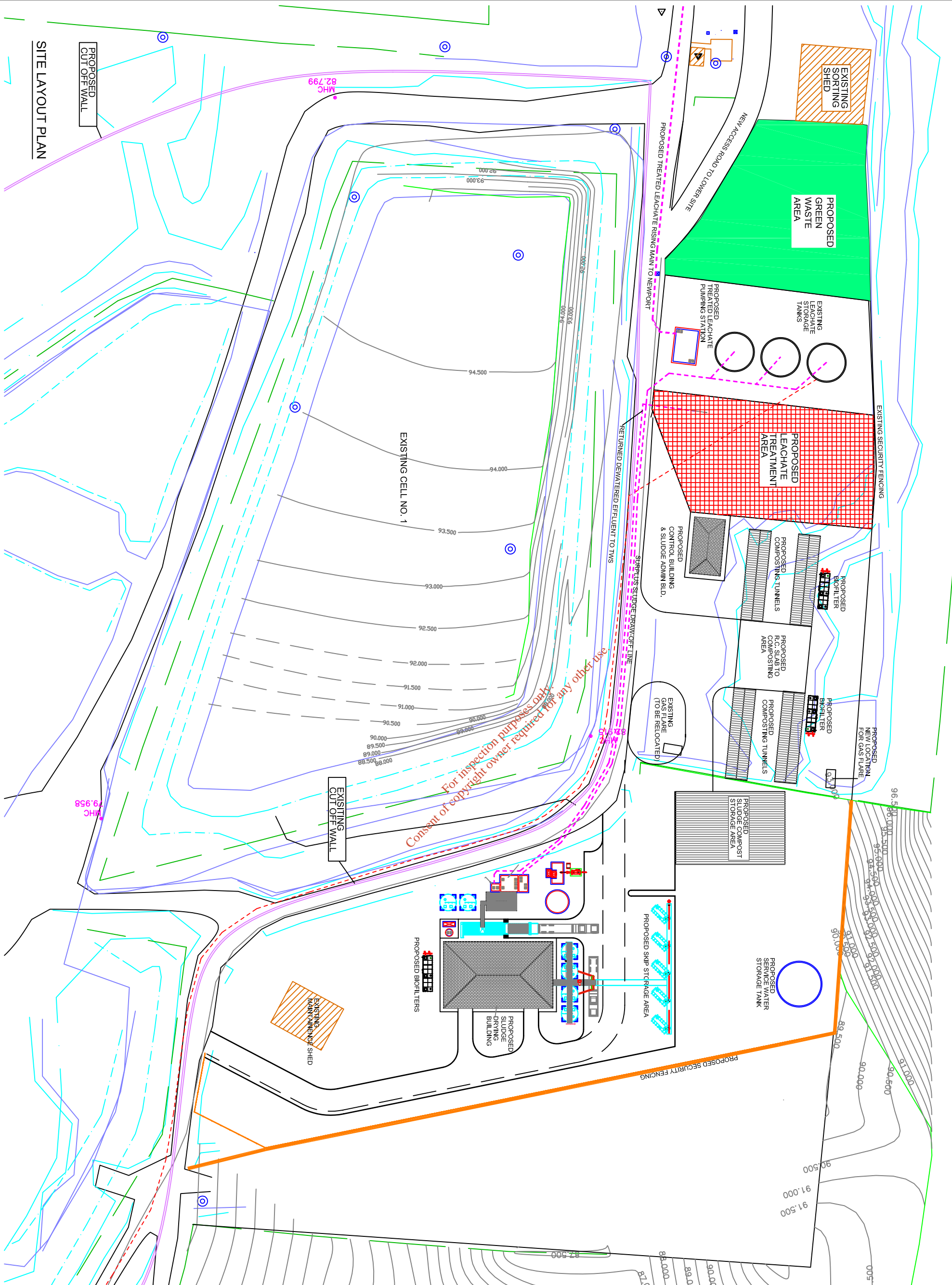
Prepared by:	Checked:	Date:
M.J.J.	M.H.	JULY 06
Project Director:	M. F. GARRICK - CASTLEBAR	

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 Co. Mayo, Ireland.
 tel: +353-(0)94-9021401
 fax: +353-(0)94-9021543
 e-mail: info@tobin.ie
 www.tobin.ie

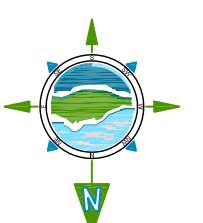
Drawing No.: **1908-2201** Issue: **B**



SITE LAYOUT PLAN



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NOTES

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Issue	Date	Description	By	CHKD.
B	MAY 07	TEXT ADJUSTMENTS	MH	MRS
A	JULY 06	CLIENT ISSUE	KU	MH

Client: **MAYO COUNTY COUNCIL**

Project: **DERRINUMERA WASTE LICENCE (W0021-01) REVIEW ENVIRONMENTAL IMPACT STATEMENT**

Title: **SITE LAYOUT PLAN OF PROPOSED SLUDGE HUB CENTRE AND LEACHATE TREATMENT FACILITY**

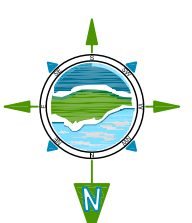
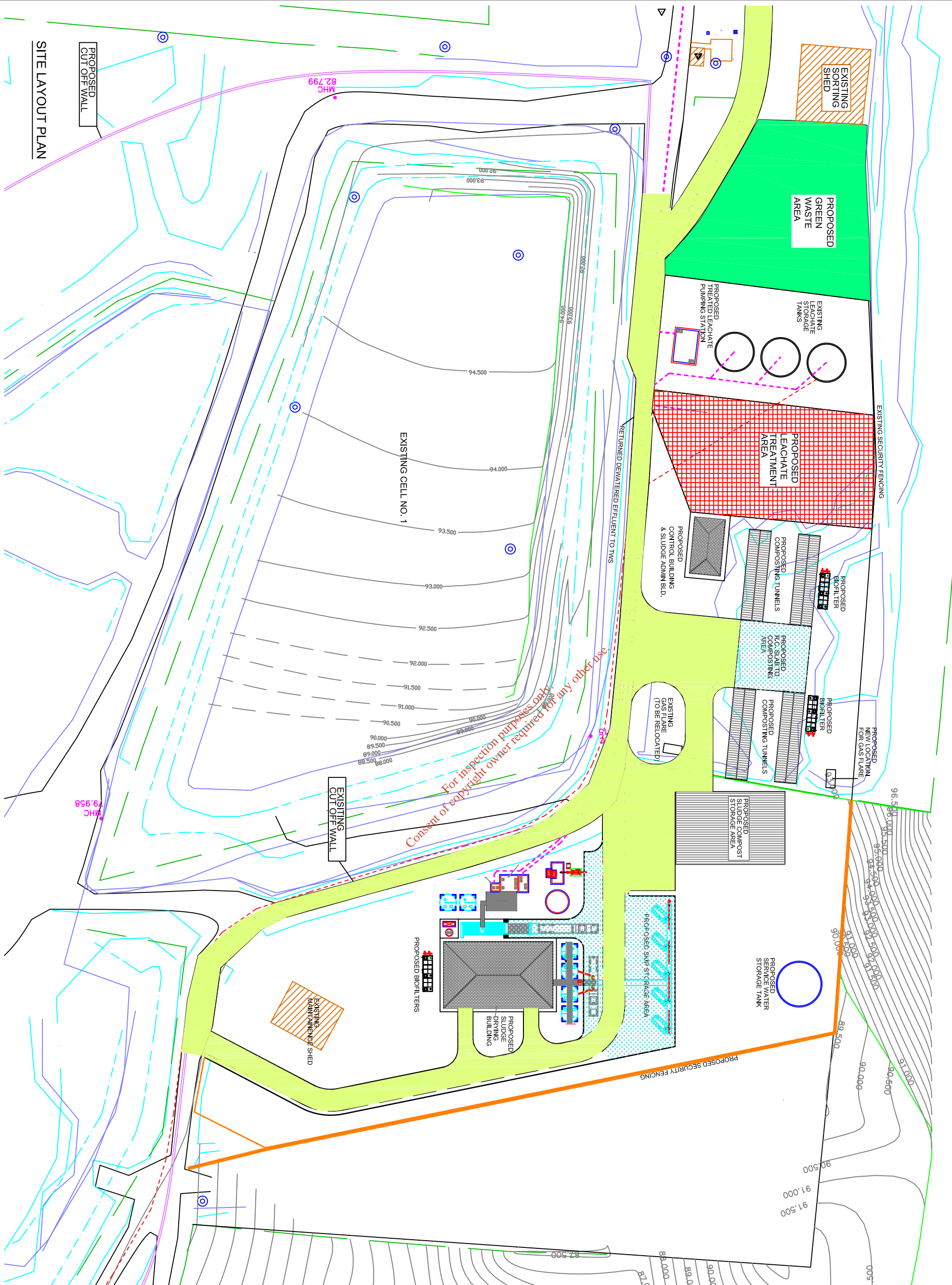
Scale @ A3: **1:1000**

Prepared by:	M.J.	Checked:	M.H.	Date:	JULY 06
Project Director:	M. F. GARRICK - CASTLEBAR				

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 www.tobin.ie

Drawing No.: **1908-2202** Issue: **B**

SITE LAYOUT PLAN



- LEGEND:**
- ACCESS ROAD TYPE 1:
BITUMEN SURFACE LAYER
 - ACCESS ROAD TYPE 2:
CONCRETE HARDSTAND

- NOTES**
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Issue	Date	Description	By	CHKD.
A	MAY 07	CLIENT ISSUE	MH	MFG

Client: **MAYO COUNTY COUNCIL**

Project: **DERRINUMERA WASTE LICENCE (W0021-01) REVIEW ENVIRONMENTAL IMPACT STATEMENT**

Title: **SITE LAYOUT PLAN SHOWING PROPOSED ROAD SURFACES**

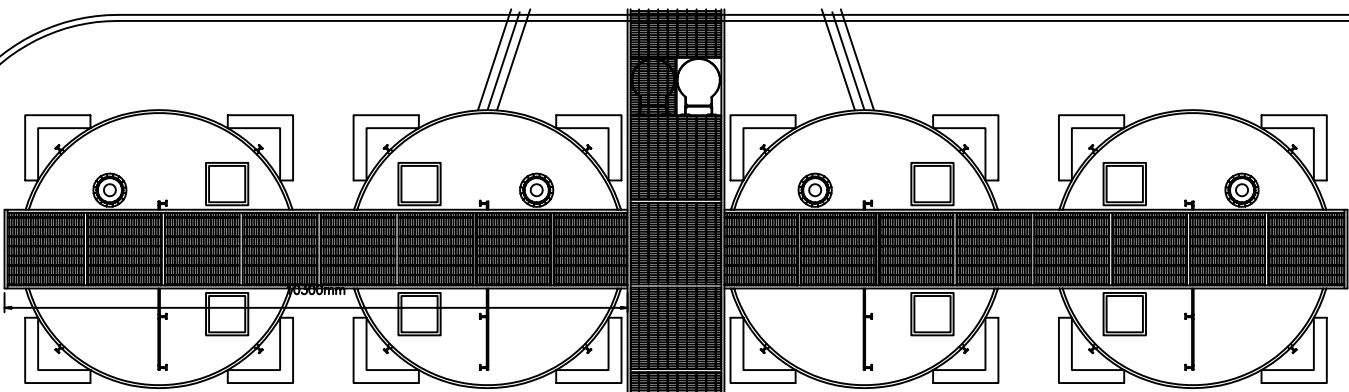
Scale @ A3: **1:1000**

Prepared by:	Checked:	Date:
MH	MFG	MAY 07
Project Director:	MICHAEL F. GARRICK	

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Drawing No.: **1908-2203** Issue: **A**

DRY SLUDGE SILOS



SLUDGE DRYING ROOM

SLUDGE DRYING PLANT
(INDICATIVE AREA REQUIRED)

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5000mm

HALL

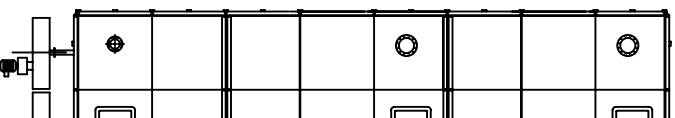
BAGGING PLANT ROOM

2450mm

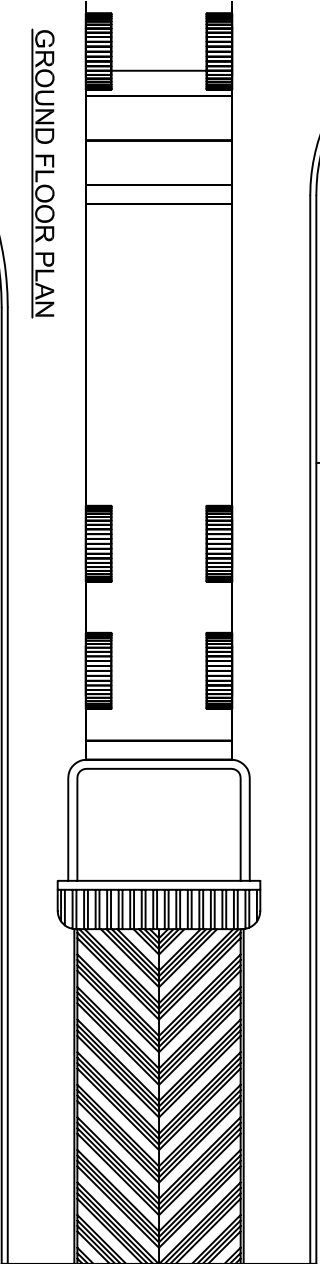
BAGGING PLANT
(INDICATIVE AREA REQUIRED)

8000mm

BIOFILTERS

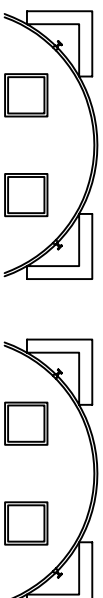


WET SLUDGE RECEPTION AREA



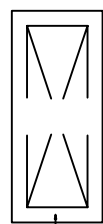
SLUDGE BELT
PRESS HOUSE

SLUDGE BLENDING TANKS



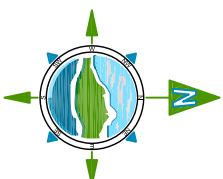
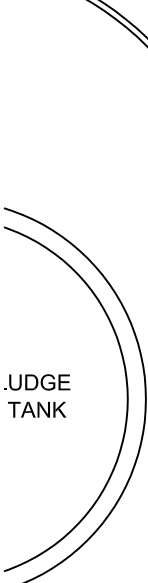
BACKUP GENERATOR

WASHDOWN
PUMPING STATION



GROUND FLOOR PLAN

SLUDGE TANK



NOTES

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Issue	Date	Description	By	CHKD.
B	MAY 07	CLIENT ISSUE	MH	MRS
A	JULY 06	CLIENT ISSUE	KU	MH

Client: MAYO COUNTY COUNCIL

Project: DERRINUMERA WASTE LICENCE (W0021-01) REVIEW ENVIRONMENTAL IMPACT STATEMENT

Title: GROUND FLOOR PLAN OF PROPOSED SLUDGE DRYING AND HANDLING BUILDING

Scale @ A3:	1:125
Prepared by:	M.J.
Checked:	M.H.
Date:	JULY 06
Project Director:	M. F. GARRICK - CASTLEBAR

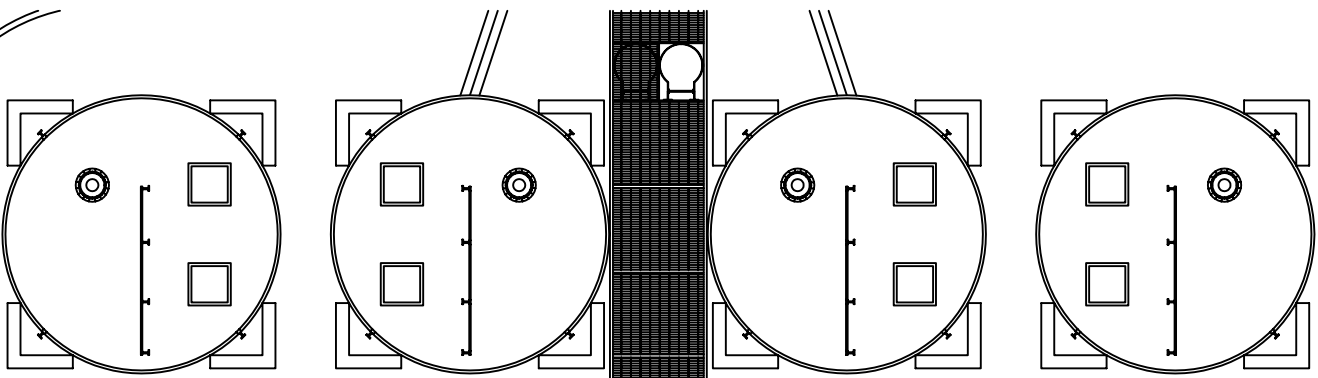


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www.tobin.ie

Drawing No.: 1908-2205

Issue: B

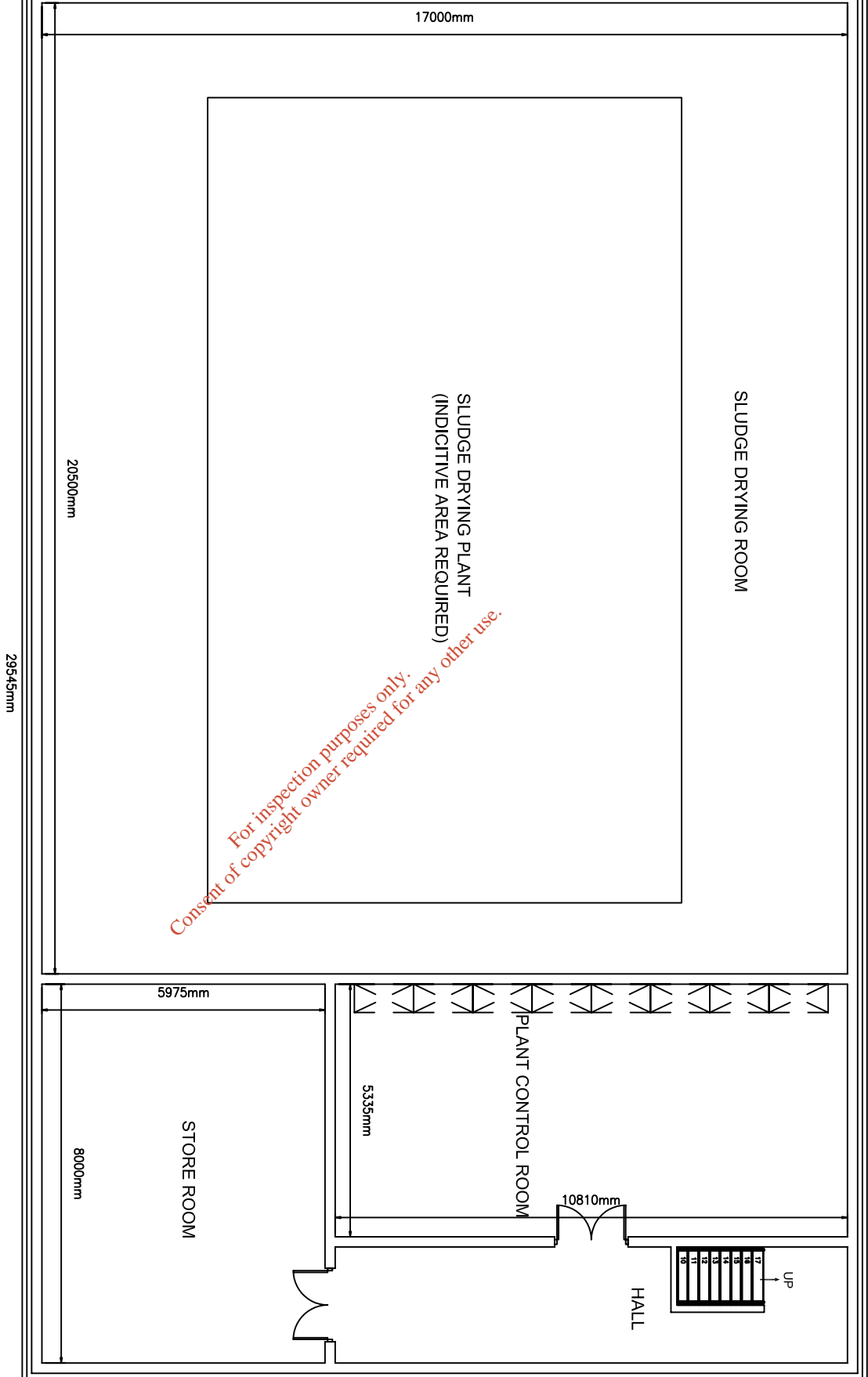
DRY SLUDGE SILOS



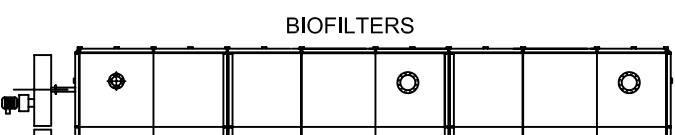
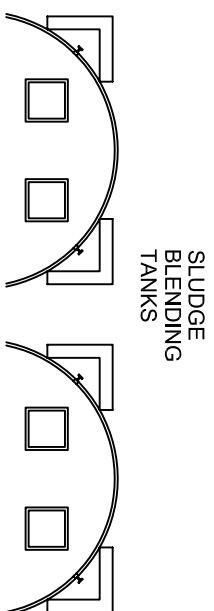
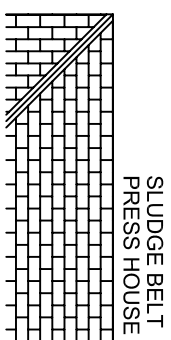
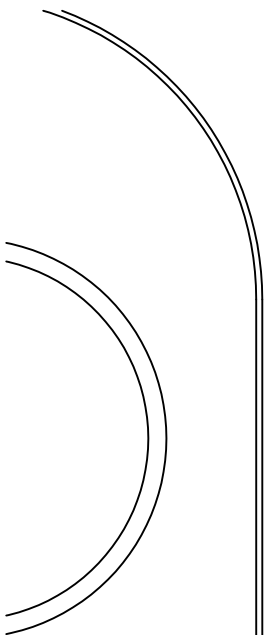
SLUDGE DRYING ROOM

SLUDGE DRYING PLANT
(INDICATIVE AREA REQUIRED)

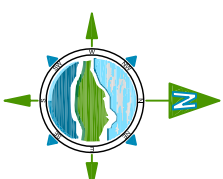
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FIRST FLOOR PLAN



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Issue	Date	Description	By	Chkd.
B	MAY 07	CLIENT ISSUE	MH	MRS
A	JULY 06	CLIENT ISSUE	KU	MH

Client: MAYO COUNTY COUNCIL

Project: DERRINUMERA WASTE LICENCE
(W0021-01) REVIEW
ENVIRONMENTAL IMPACT
STATEMENT

Title: FIRST FLOOR PLAN OF
PROPOSED SLUDGE DRYING
AND HANDLING BUILDING.

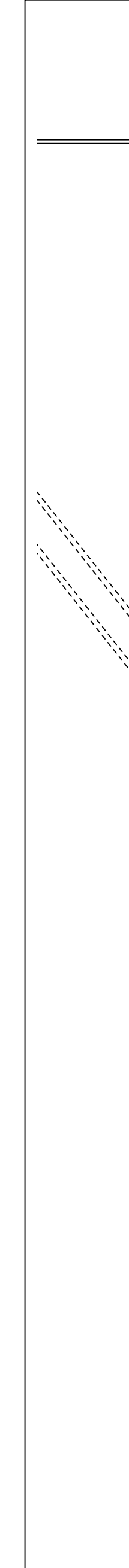
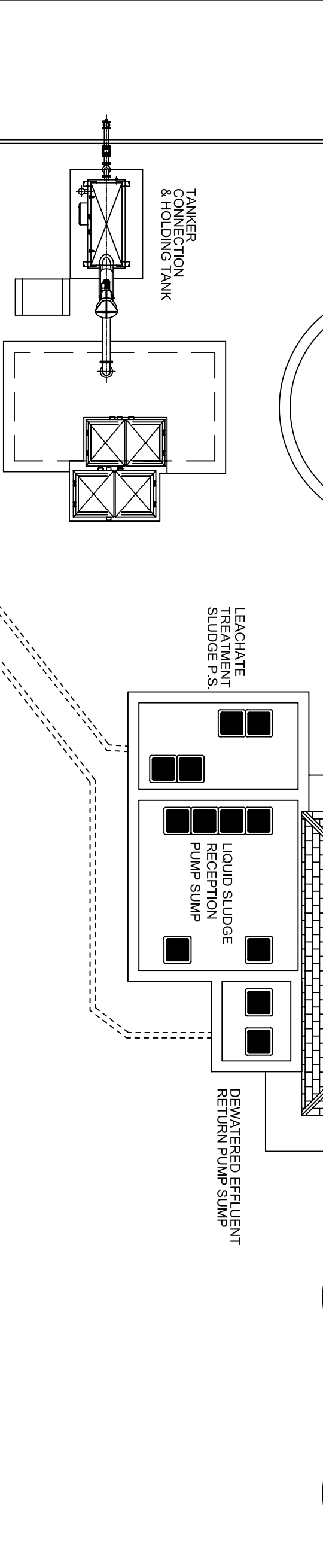
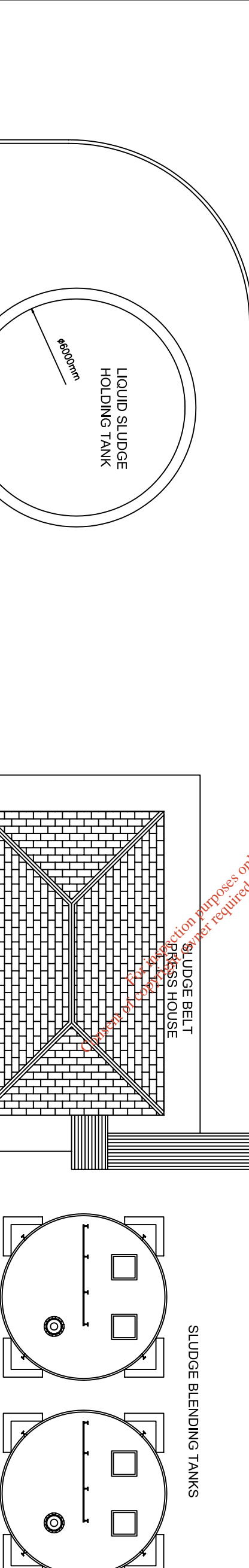
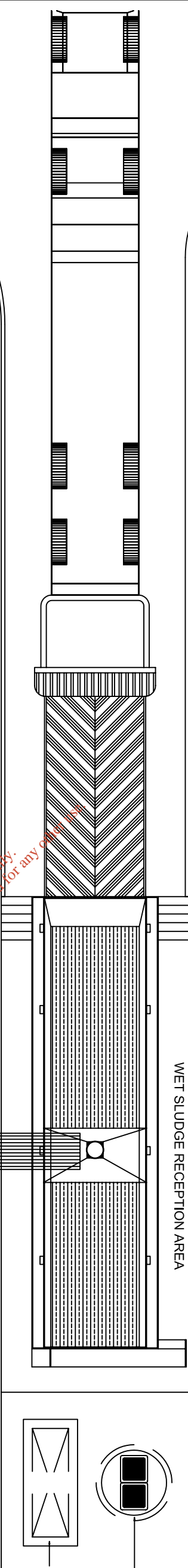
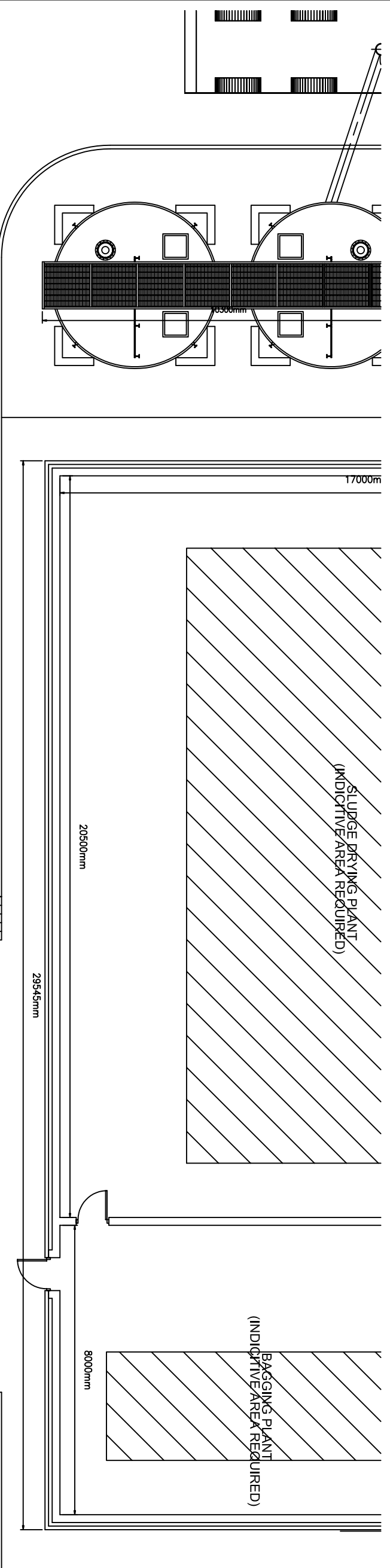
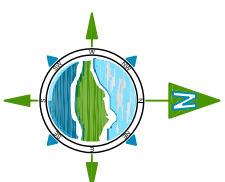
Scale @ A3:	1:125
Prepared by:	M.J.
Checked:	M.H.
Date:	JULY 06
Project Director:	M. F. GARRICK - CASTLEBAR



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Drawing No.: 1908-2206

Issue: B



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4. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MAIN HEAD

Issue	Date	Description	By	CHKD.
A	JULY'06	CLIENT ISSUE	MJ	MH

Client: **MAYO COUNTY COUNCIL**

Project: **DERRINUMERA WASTE LICENCE (W0021-01) REVIEW ENVIRONMENTAL IMPACT STATEMENT**

Title: **LAYOUT PLAN OF RECEPTION AREA & SLUDGE PUMP SUMPS**

Scale @ A3: **1:125**

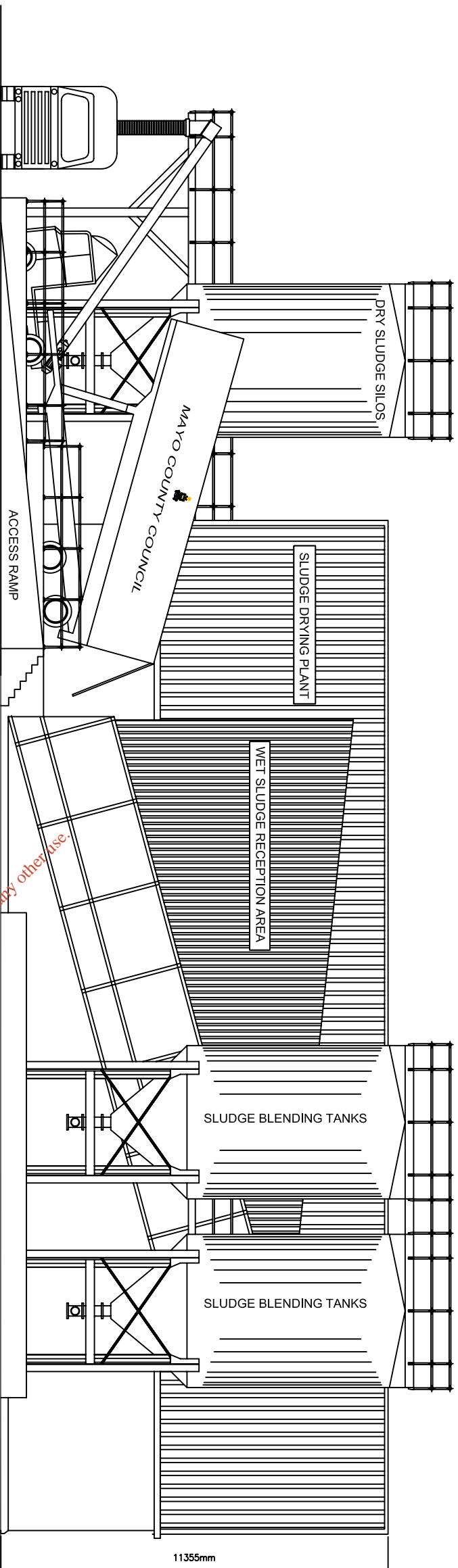
Prepared by:	Checked:	Date:
M.J.	M.H.	JULY'06

Project Director: **M. F. GARRICK - CASTLEBAR**



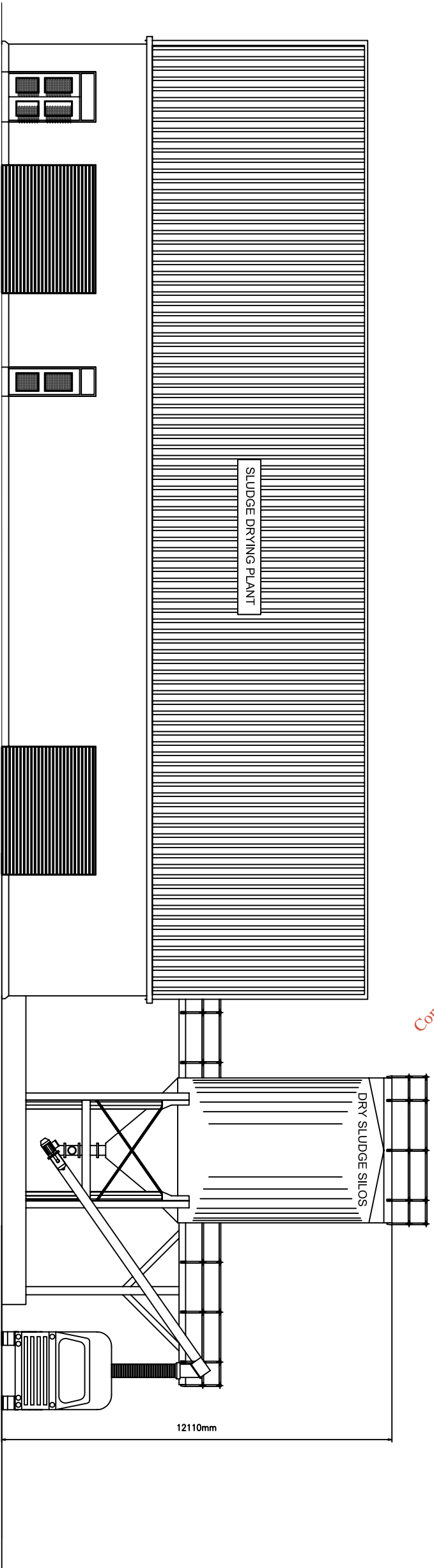
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Drawing No.: **1908-2207** Issue: **A**



FRONT ELEVATION
 SCALE 1 : 150

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REAR ELEVATION
 SCALE 1 : 150

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4. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

Issue	Date	Description	By	CHKD.
B	MAY 07	WIREGOTS ADDED	MH	MRS
A	JULY 06	CLIENT ISSUE	KU	MH

Client: **MAYO COUNTY COUNCIL**

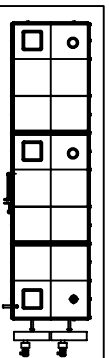
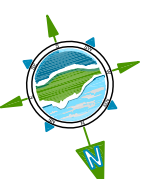
Project: **DERRINUMERA WASTE LICENCE (W0021-01) REVIEW ENVIRONMENTAL IMPACT STATEMENT**

Title: **FRONT AND REAR ELEVATIONS OF PROPOSED SLUDGE DRYING AND HANDLING BUILDING**

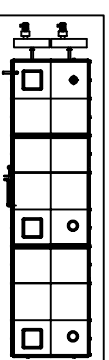
Scale @ A3:	1:150
Prepared by:	M.J.
Checked:	M.H.
Date:	JULY 06
Project Director:	M. F. GARRICK - CASTLEBAR

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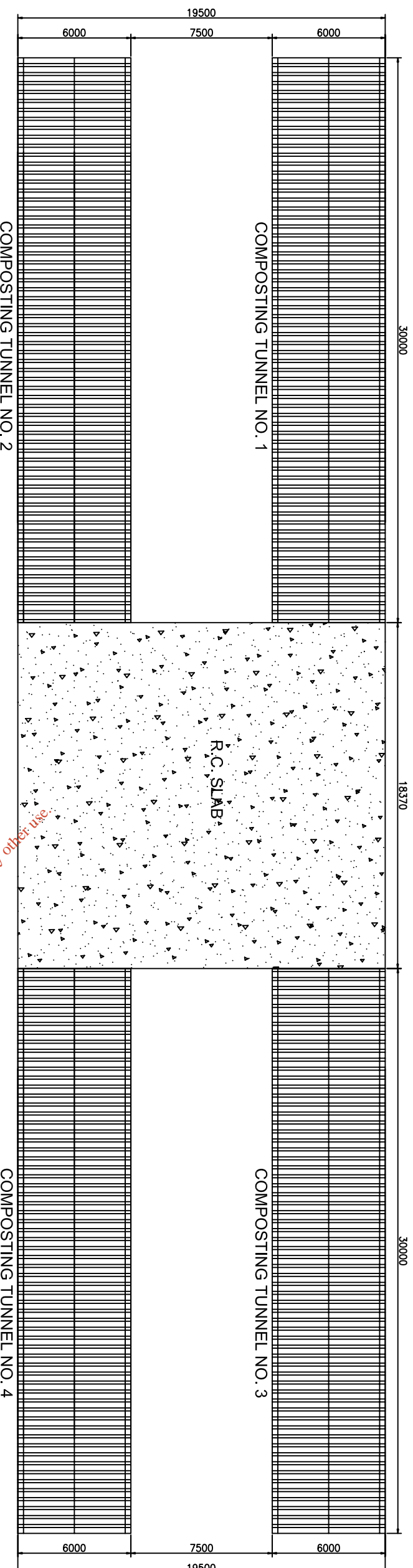
Drawing No.: **1908-2208** Issue: **B**



PROPOSED BIOFILTER



PROPOSED BIOFILTER



COMPOSTING TUNNEL NO. 1

COMPOSTING TUNNEL NO. 2

COMPOSTING TUNNEL NO. 3

LAYOUT PLAN

SCALE 1 : 250

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TYPICAL CROSS SECTION

SCALE 1 : 100

NOTES

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Issue	Date	Description	By	CHKD.
B	MAY 07	MINOR AMENDMENTS	MH	MRS
A	JULY 06	CLIENT ISSUE	KU	MH

Client: MAYO COUNTY COUNCIL

Project: DERRINUMERA WASTE LICENCE
 (W0021-01) REVIEW
 ENVIRONMENTAL IMPACT
 STATEMENT

Title: DETAILS OF PROPOSED
 COMPOSTING TUNNELS

Scale @ A3: AS SHOWN

Prepared by:	Checked:	Date:
M.J.	M.H.	JULY 06

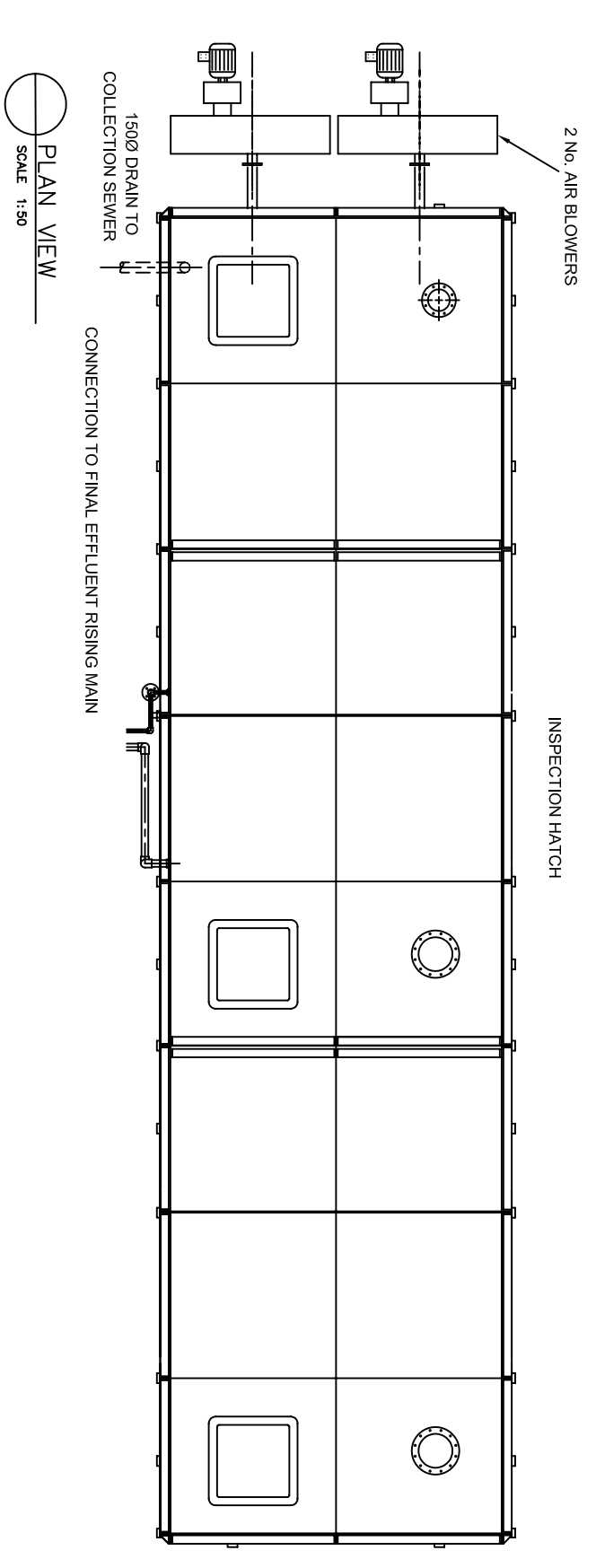
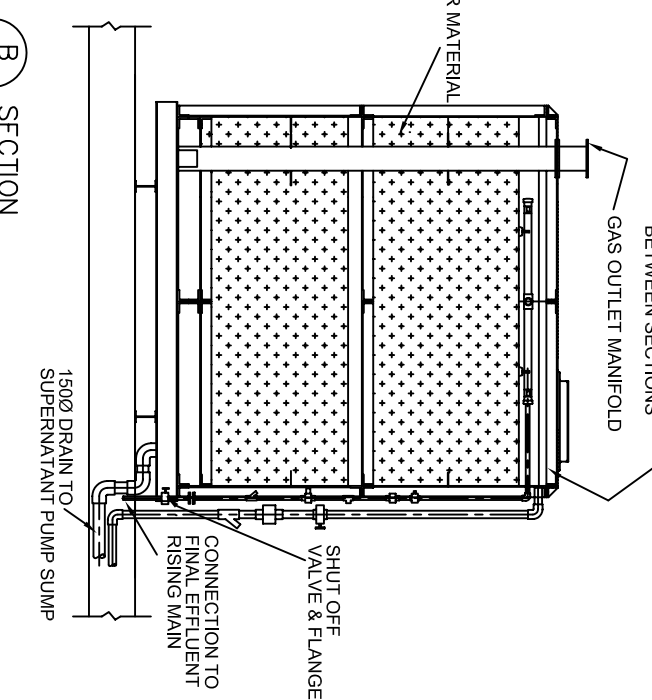
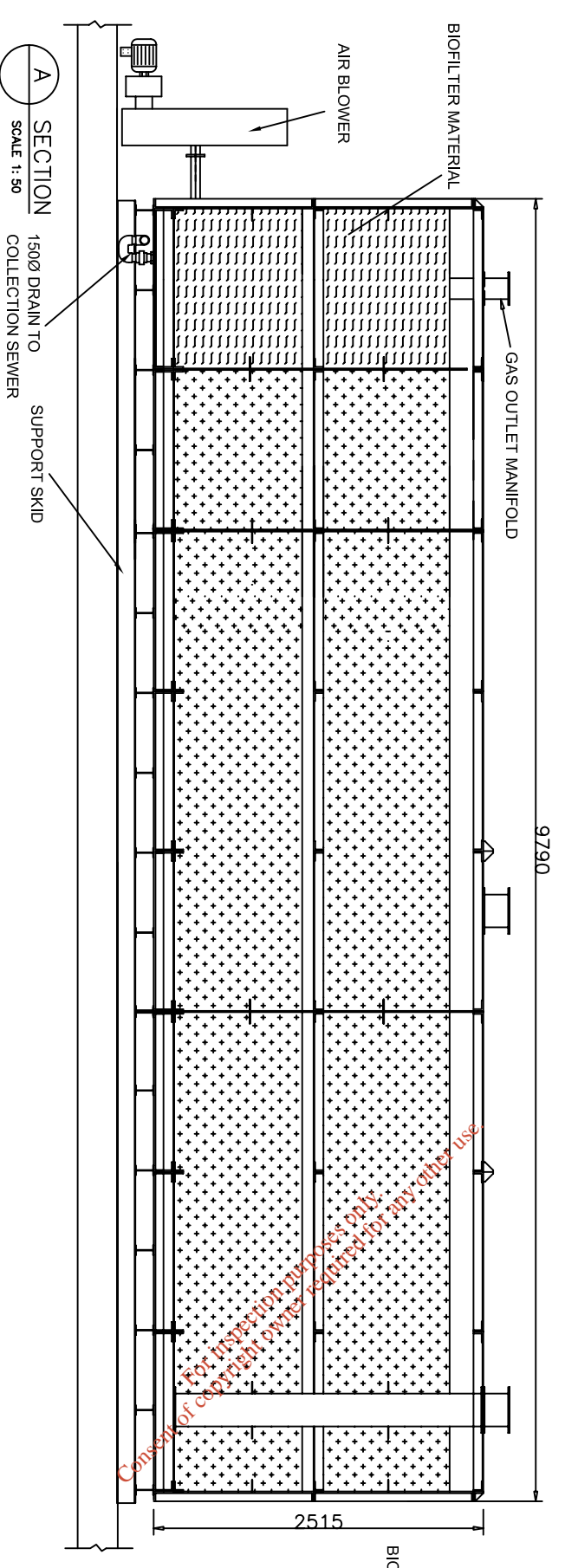
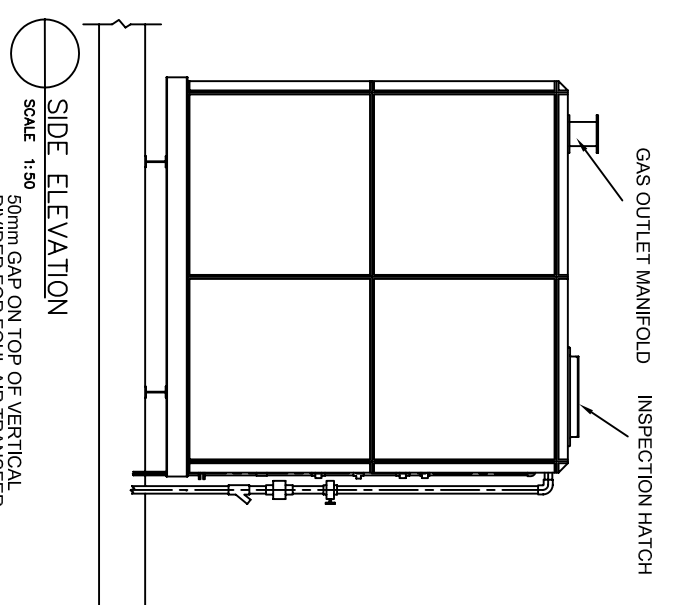
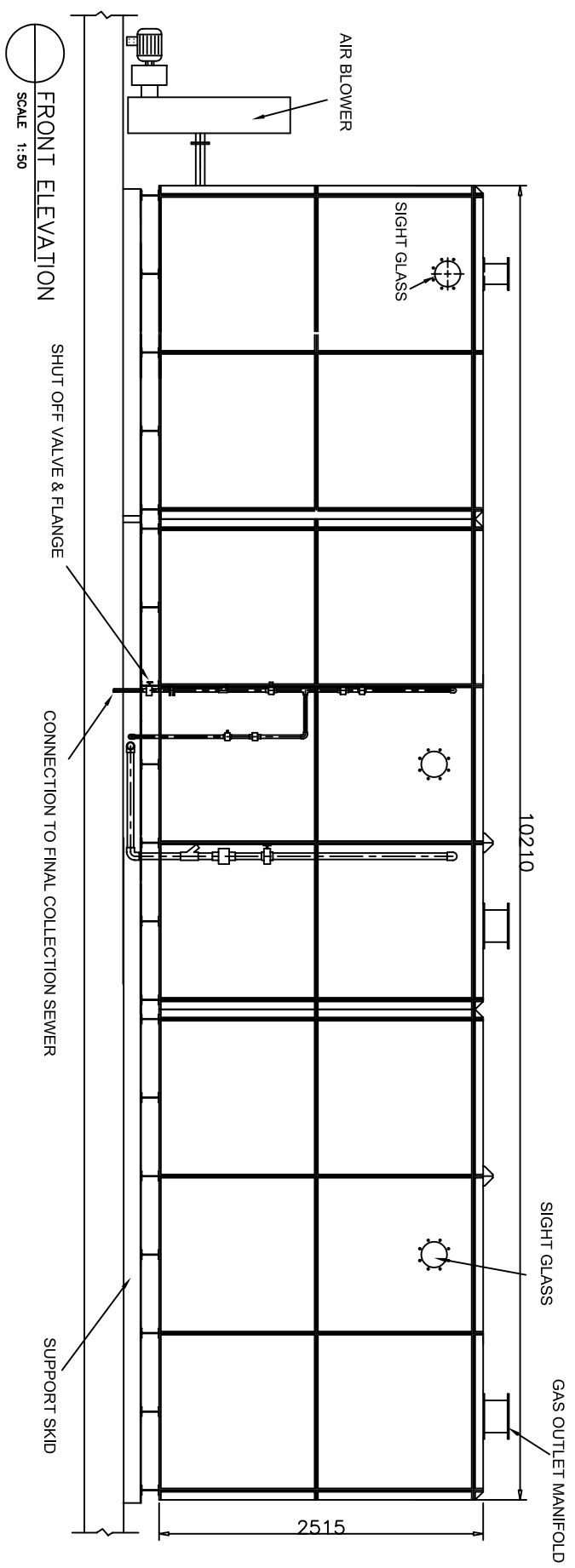
Project Director: M. F. GARRICK - CASTLEBAR



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Drawing No.: 1908-2209

Issue: B



NOTES

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2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR ON SITE
3. ENGINEER TO BE INFORMED BY THE CONTRACTOR OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES
4. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MAIN HEAD

Issue	Date	Description	By	CHKD.
B	MAY'07	ADJUSTMENTS TO TEXT	M.H.	MRS
A	JULY'06	CLIENT ISSUE	M.H.	M.H.

Client: **MAYO COUNTY COUNCIL**

Project: **DERRINUMERA WASTE LICENCE (W0021-01) REVIEW ENVIRONMENTAL IMPACT STATEMENT**

Title: **DETAILS OF PROPOSED BIO-FILTERS**

Scale @ A3: **1 : 50**

Prepared by: **M.J.** Checked: **M.H.** Date: **JULY'06**

Project Director: **M. F. GARRICK - CASTLEBAR**

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Drawing No.: **1908-2210** Issue: **B**