

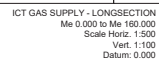




Fill to be Class 1A, 1B or 2B material as defined in Table 6/1 of Specification for Highway Works (MCHW) as published as Volume 1 of the Manual of Contract Documents for Highway Works (MCHW).

The material is to be compacted in accordance with the requirements of Table 6/4 and clause 6/2

Existing topsoil to be removed offsite. Exposed formation to be proof rolled and all soft spoils removed



- (Name : [Agnostic2000](#) (id:1406-1497-0146)) (C) [Sarkis](#) ([2001](#)) ([04/07/2001](#)) (V : 4) (A : 4) (P : 0) (C : 0)  
 (Is Super : 0) (Comment : [For PhotoLibrary](#))  
 (M : [11/2/2001](#)) (M4 : 0)

P1	Inform earthworks visited to accommodate installation of ICT off main line	SWM	26/10/2021
P2	Check material agreement in relevant main	SWM	26/10/2021
P3	Alternative waste layout and offsite loaded	SWM	18/02/2022
P4	ICT discharge main issues	SWM	18/02/2022
P5	Strained area of connection revised	SWM	18/02/2022
P6	Connection location updated. Notes added	SWM	17/02/2022
Rev	Description	Rev. By	Date
 <p>Shephard Gilmour Consulting Engineers Phoenix House, Cross Street Manchester, M2 4JF www.shephard-gilmour.co.uk</p>			
Client			
INDUSTRIE CARTARIE TRONCHETTI			
Architect			
AEW ARCHITECTS			
Project			
ICT PAPER MILL NORTHERN GATEWAY			
Title			
PROPOSED GAS MAIN WAG ROUNDABOUT TO RIVER DEE ADVANCED EARTHWORKS PLAN & LONGITUDINAL PROFILE			
Date: 11/02/2021		Drawn By: SWM	
Scale: A1		Checked By: EAU	
Status: 1, 000% - 1, 000%		Approved By: SWM	
Dwg. No. C1405/403			Rev
			P7

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PLOT C

0 20 40 60 80 100  
10 30 50 70 90  
SCALE (1:2500)



Revision	A	Plot boundary revised	03.12.2020	AE
----------	---	-----------------------	------------	----

Scale 1:2500@A2

Status SK

Drawn by AE

Date 13.10.2020

Client  
CRAG HILL ESTATES LTD.

Project  
THE AIRFIELDS, DEESIDE

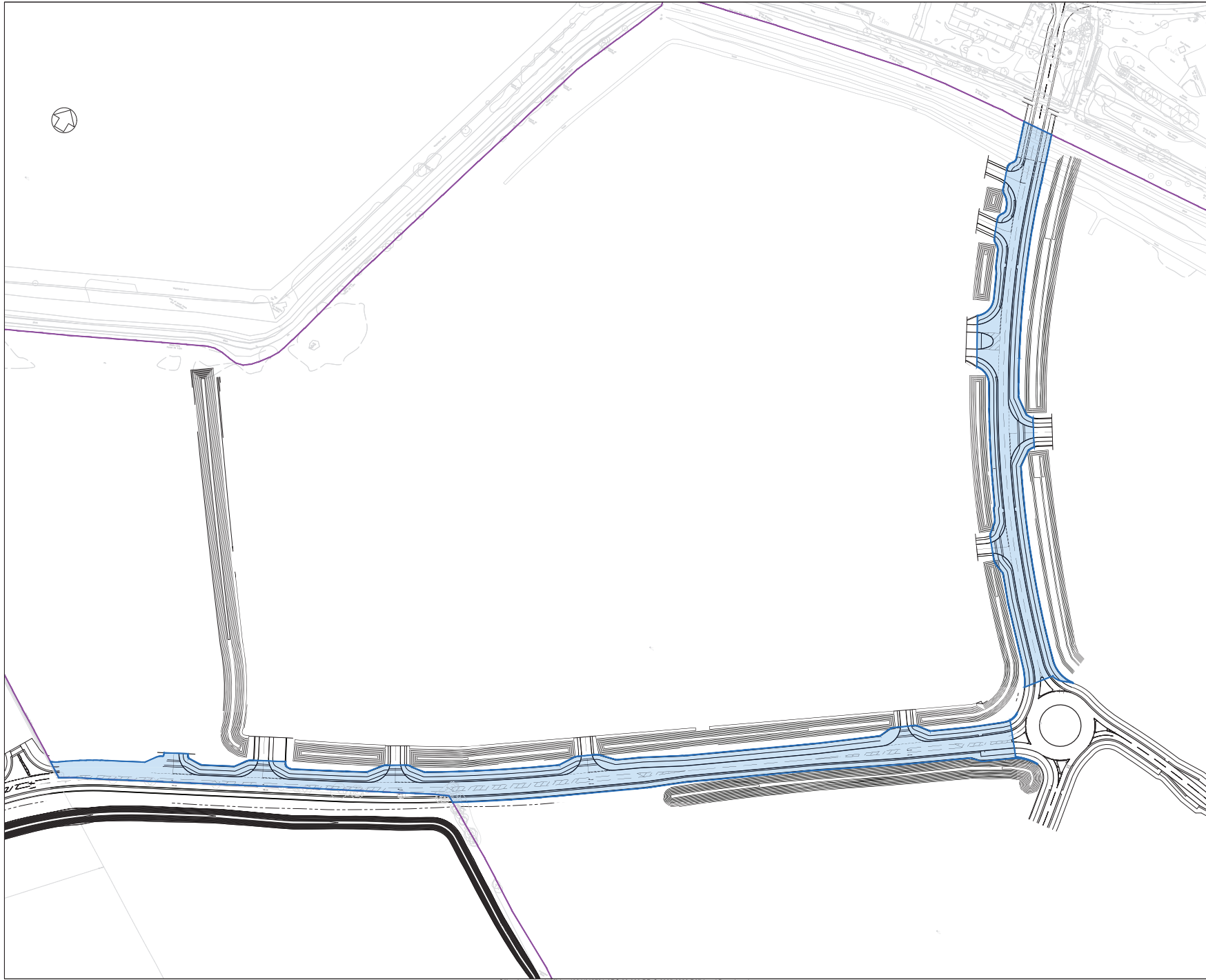
Drawing Description  
PLOT C LAND REGISTRY PLAN

Drawing No. 13001-SK243 Rev. A

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Architects | Interior Planners | Designers

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w www.fletcher-rae.com  
e info@fletcher-rae.com



**NOTES:**  
1. EXTENT OF LAND TO BE TRANSFERRED TO WELSH GOVERNMENT IS SUBJECT TO AGREEMENT OF SECTION 38 WITH FLINTSHIRE COUNTY COUNCIL.

**KEY:**  
— CHEL LAND BOUNDARY  
— LAND TRANSFER TO WELSH GOVERNMENT

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Rev	Date	Description	Drawn	Check	Approv

**Client** WELSH GOVERNMENT

**PROJECT:**  
NORTHEN GATEWAY  
HIGHWAY  
INFRASTRURE WORKS

**Site** The Airfields  
Deside  
**Client** Welsh Government  
Sarn Mynach  
Leobuio Junction  
LOT 19/2  
Phone +44 (0)300 062 5237  
Fax +44 (0)300 062 5055  
dwyd.roberts@welsh.gov.uk  
www.wales.gov.uk

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St Mellons Business Park  
Fortran Road  
Cardiff CF3 0EY  
Tel: 44 (0)29 2092 6700  
www.arcadis.com

**TITLE:**  
CHEL  
LAND TRANSFER

Designed	AJMIN	10/11/2020	MS
Drawn	AJMIN	10/11/2020	MS
Checked	M.TOWLER	10/11/2020	MS
Approved	M.GRIFFITHS	10/11/2020	MS
Scale:	1:1250	Datum:	ODN
Original Size:	A1	Grid:	OS
Subsidiary Code:	S2	Project Number:	10016701

**ISSUED FOR INFORMATION**  
NOT TO BE USED FOR CONSTRUCTION

Drawing Number: 16701-ARC-00-000-DR-C-0008  
Revision: P02





**NOTES:**  
1. EXTENT OF LAND TO BE TRANSFERRED TO WELSH GOVERNMENT IS SUBJECT TO AGREEMENT OF SECTION 38 WITH FLINTSHIRE COUNTY COUNCIL.

**KEY:**  
PGNL LAND BOUNDARY  
PERMANENT EASEMENT FOR ICT WORKS  
LAND TRANSFER TO WELSH GOVERNMENT

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10/01/2021	LAND TRANSFER EASEMENT ADJUSTED	AA	MT	MT
10/01/2021	EXTENDED ROUNDABOUT SPUR	AA	MT	MT
08/12/2020	FIRST ISSUE	AA	MT	MT

Rev	Date	Description	Drawn	Check	Approv
-----	------	-------------	-------	-------	--------

**Client**  
WELSH GOVERNMENT

  
**PROJECT:**  
NORTHERN GATEWAY  
HIGHWAY  
INFRASTRUCTURE WORKS  
Ulywodraeth Cymru  
Welsh Government

Site	Client
The Airfields Desdise	Welsh Government Sarn Mynach Llŷr RFC Leobus Junction Phone +44 (0)300 062 5237 Fax +44 (0)300 062 5055 dwyd.roberts@welsh.gov.uk www.wales.gov.uk

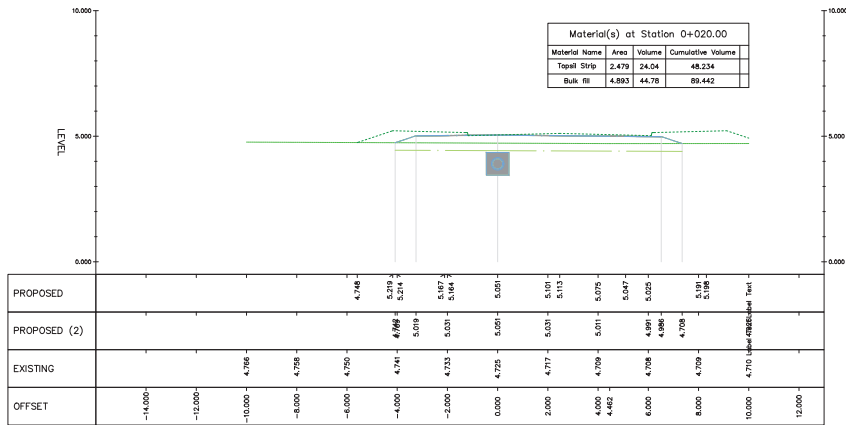
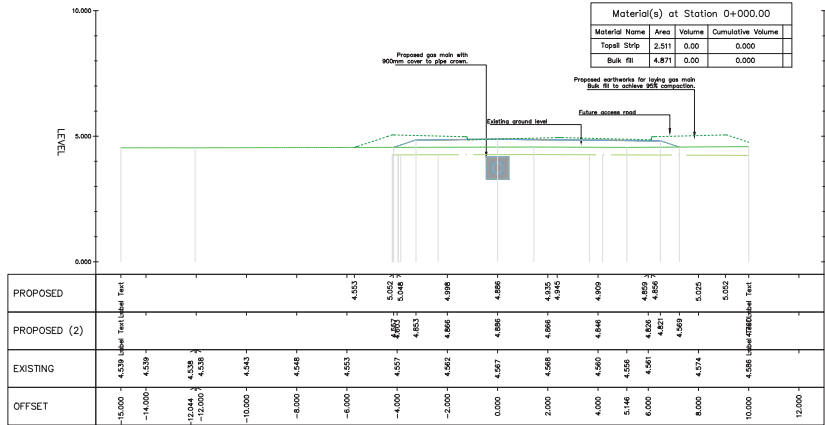
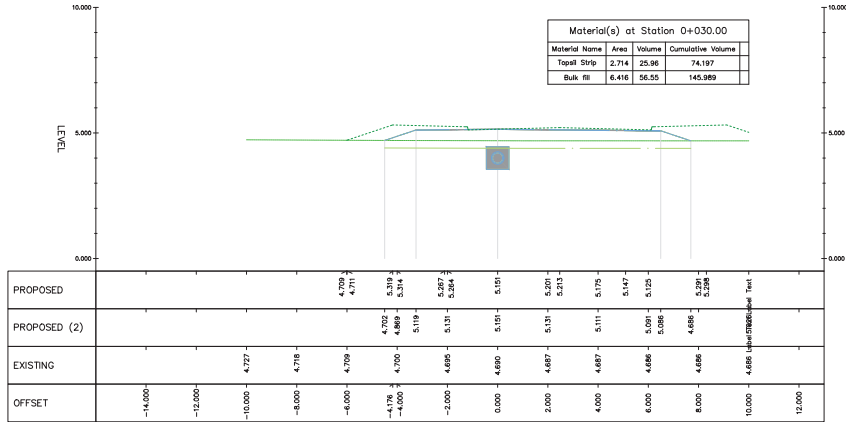
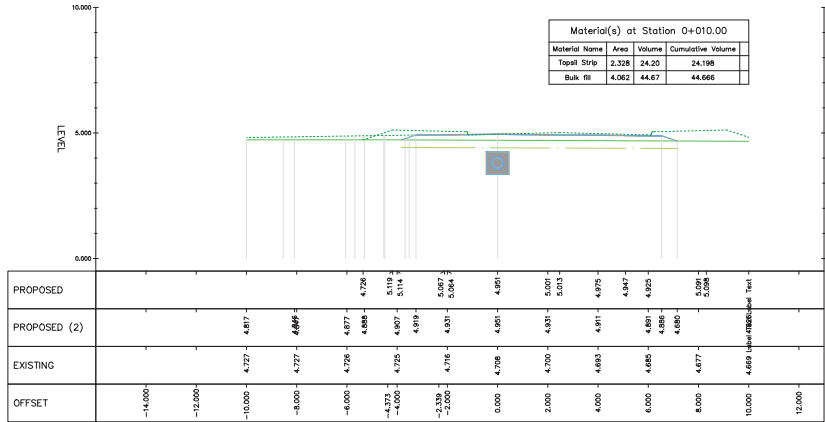
  
**Registered office:**  
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Fortran Road  
Cardiff CF3 0EY  
Tel: 44 (0)29 2092 6700

**TITLE:**  
POCHIN GOODMAN  
NORTHERN GATEWAY LIMITED  
LAND TRANSFER

Designed	AJMIN	Signat	MT
Drawn	AJMIN	Signat	MT
Checked	M.TOWLER	Signat	MT
Approved	M.GRIFFITHS	Signat	MT
Scale:	1:1000	Datum:	ODN
Original Size:	A1	Grid:	OS
Subsidiary Code:	S2	Project Number:	10016701

**ISSUED FOR INFORMATION**  
NOT TO BE USED FOR CONSTRUCTION

Drawing Number:	16701-ARC-00-000-DR-C-0007	Revision:	P03
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NOTE

Fill to be Class 1A,18 or 28 material as defined in Table 6/1 of Specification for Highway Works (MCHW) as published as Volume 1 of the Manual of Contract Documents for Highway Works (MCHW).

The material is to be compacted in accordance with the requirements of Table 6/4 and clause 6/2

Existing topsoil to be removed offsite. Exposed formation to be proof rolled and all soft spots removed

- NOTES
- All works to be in accordance with the Specification for Highway Works (MCHW) as published as Volume 1 of the Manual of Contract Documents for Highway Works (MCHW) and the requirements of Flintshire County Council.
  - In general all soils (excluding certified recycled and quarried aggregates) must be engineered to achieve the following performance criteria:
    - Compaction to excess of 95% of the maximum dry density;
    - Maximum 5% air void ratio in engineered cohesive (if used) soils;
    - CBR in excess of 8% on each and every engineered soil layer;
    - Maximum deformation under 150kN/m<sup>2</sup> Plate Load of 5mm within each and every compacted layer.
  - All dimensions are in metres unless otherwise stated.
  - Do not scale drawings.
  - Drawings to be read in conjunction with all Architects and Engineers drawings and specifications.
  - The exact position of buried services shall be confirmed on site prior to the use of any mechanical plant.
  - Appropriate measures to be taken when working in or about deep excavations.
  - Appropriate measures to be taken to deal with groundwater. The works are in an area where groundwater has tidal influences.

pg: Interim earthworks intended to accommodate installation of ICT effluent main.

pg: Correction to location & Section 0.000 updated.

Rev: Notes added

Rev: Description

Rev: Rev

Rev: Date

Client: **INDUSTRIE CARTARIE TRONCHETTI**

Architect: **AEW ARCHITECTS**

Project: **ICT PAPER MILL NORTHERN GATEWAY**

Title: **PROPOSED GAS MAIN WAG ROUNDABOUT TO RIVER DEE ADVANCED EARTHWORKS CROSS SECTIONS SHEET 1 OF 4**

Date: 11/02/2021

Drawn By: SWH

Scale: A1)

Checked By: EAJ

Scale: 1:100

Approved By: EAJ

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Rev: 950

Rev: 951

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Rev: 953

Rev: 954

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Rev: 956

Rev: 957

Rev: 958

Rev: 959

Rev: 960

Rev: 961

Rev: 962

Rev: 963

Rev: 964

Rev: 965

Rev: 966

Rev: 967

Rev: 968

Rev: 969

Rev: 970

Rev



**NOTE**

Fill to be Class 1A,1B or 2B material as defined in Table 6/1 of Specification for Highway Works (MCHW) as published as Volume 1 of the Manual of Contract Documents for Highway Works (MCHW).

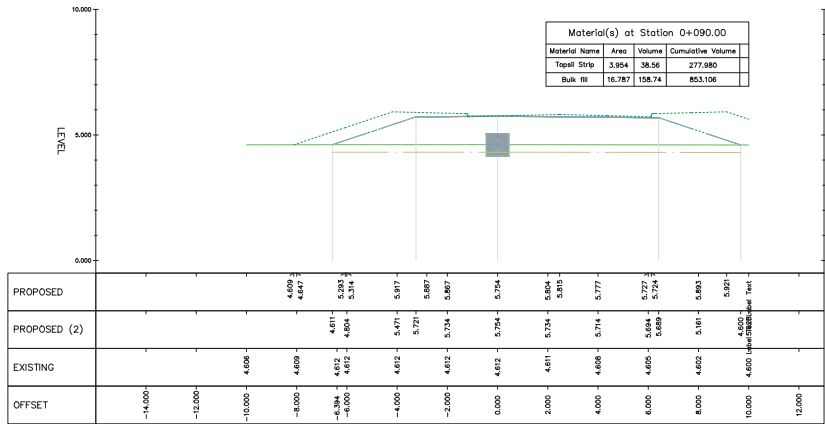
The material is to be compacted in accordance with the requirements of Table 6/4 and clause 6/2

Existing topsoil to be removed offsite. Exposed formation to be proof rolled and all soft spots removed

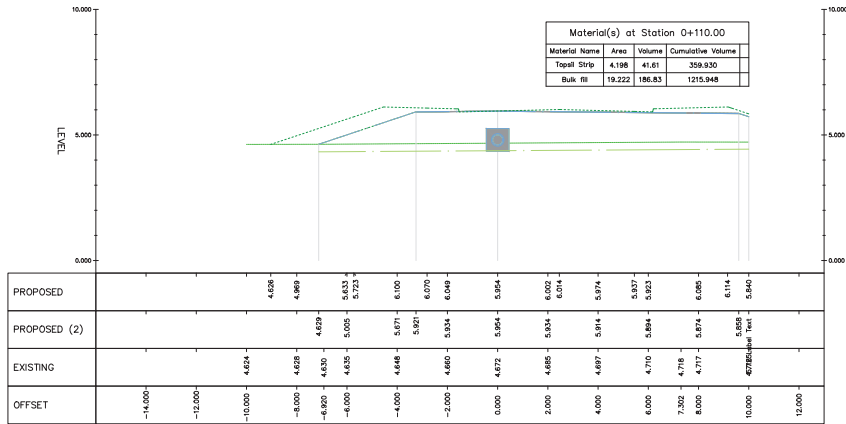


- Don't miss the 2011 *Journal of Management Education* Special Issue on "The Future of Management Education" featuring articles by leading scholars in the field. Visit <http://jme.sagepub.com/special> for more information.

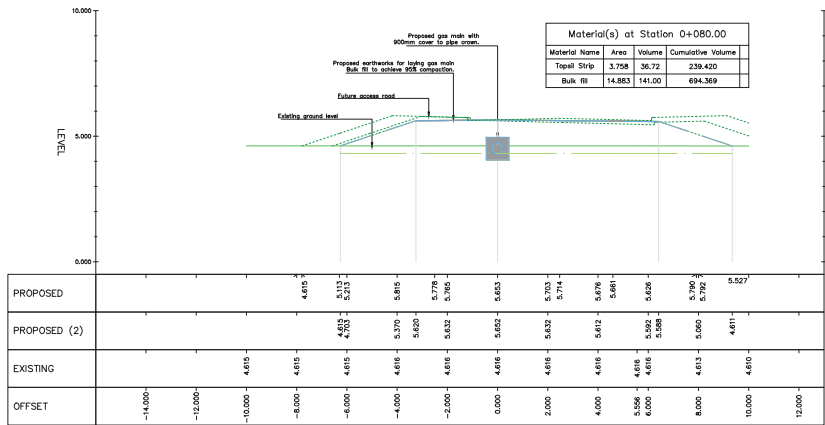
Don't miss the 2011 *Journal of Management Education* Special Issue on "The Future of Management Education" featuring articles by leading scholars in the field. Visit <http://jme.sagepub.com/special> for more information.



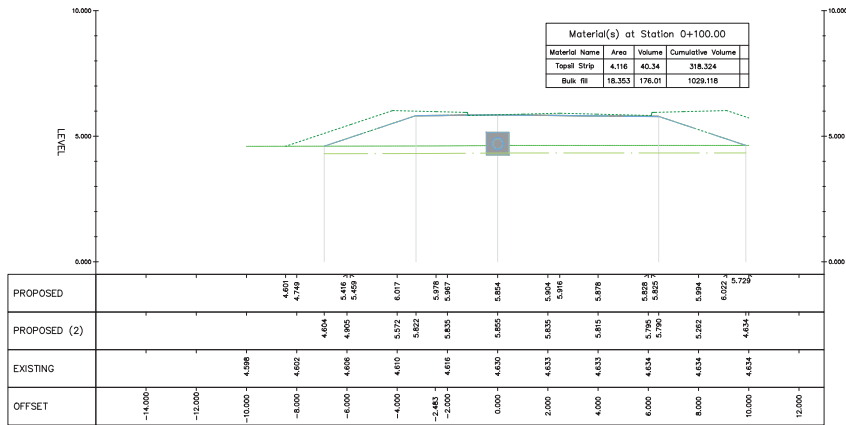
Chainage 90.000



Chainage 110.000



Chainage 80.000



Chainage 100.000

NOTE  
Fill to be Class 1A,1B or 2B material as defined in Table 6/1 of Specification for Highway Works (MCHW) as published as Volume 1 of the Manual of Contract Documents for Highway Works (MCHW).  
The material is to be compacted in accordance with the requirements of Table 6/4 and clause 6/2  
Existing topsoil to be removed offsite. Exposed formation to be proof rolled and all soft spots removed

- NOTES
- All works to be in accordance with the Specification for Highway Works (MCHW) as published as Volume 1 of the Manual of Contract Documents for Highway Works (MCHW) and the requirements of Flintshire County Council.
  - In general all soils (excluding certified recycled and quarried aggregates) must be engineered to achieve the following performance criteria:
    - Compaction to excess of 95% of the maximum dry density;
    - Maximum 5% air void ratio in engineered cohesive (if used) soils;
    - CBR in excess of 8% on each and every engineered soil layer;
    - Maximum deformation under 150kN/m<sup>2</sup> Plate Load of 5mm within each and every compacted layer.
  - All dimensions are in metres unless otherwise stated.
  - Do not scale drawings.
  - Drawings to be read in conjunction with all Architects and Engineers drawings and specifications.
  - The exact position of buried services shall be confirmed on site prior to the use of any mechanical plant.
  - Appropriate measures to be taken when working in or about deep excavations.
  - Appropriate measures to be taken to deal with groundwater. The works are in an area where groundwater has tidal influences.

Project: Industrie Cartarie Tronchetti  
Client: AEW ARCHITECTS  
Site: 110/2021  
Date: 11/02/2021  
Author: S. H. H.  
Check: S. H. H.  
Scale: 1:100  
Drawing No: C1405/406  
Revision: P3

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ICT PAPER MILL  
NORTHERN GATEWAY  
PROPOSED GAS MAIN  
WAG ROUNDABOUT TO RIVER DEE  
ADVANCED EARTHWORKS  
CROSS SECTIONS SHEET 3 OF 4

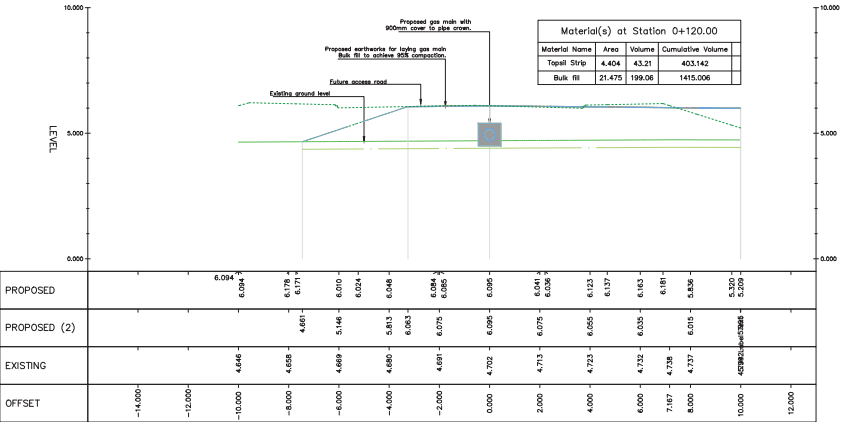


Cut/Fill Summary

Name	Cut Factor	Fill Factor	2d Area	Cut	Fill	Net
VS Gas Embankment	1.000	1.000	1514.788sq.m	0.000 Cu. M.	1669.172 Cu. M.	1669.172 Cu. M.<Fill>
VS Pre Contract Gas Main Earworks	1.000	1.000	1984.474sq.m	46.875 Cu. M.	395.860 Cu. M.	348.986 Cu. M.<Fill>
Totals			3499.262sq.m	46.875 Cu. M.	2065.033 Cu. M.	2018.158 Cu. M.<Fill>


Topsoil strip assumed to be 300mm throughout.  
The above volumes are prismatical, calculated between surface models.  
Differences in volumes when compared to cross section volume tables is due to cross section volumes only measured between Me 0 and Me 120 and not including work before Me0.

NOTE  
Fill to be Class 1A,18 or 2B material as defined in Table 6/1 of Specification for Highway Works (MCHW) as published as Volume 1 of the Manual of Contract Documents for Highway Works (MCHW).  
The material is to be compacted in accordance with the requirements of Table 6/4 and clause 6/2  
Existing topsoil to be removed offsite. Exposed formation to be proof rolled and all soft spots removed



Chainage 120.000

- NOTES
- All works to be in accordance with the Specification for Highway Works (MCHW) as published as Volume 1 of the Manual of Contract Documents for Highway Works (MCHW) and the requirements of Flintshire County Council.
  - In general all soils (excluding certified recycled and quarried aggregates) must be engineered to achieve the following performance criteria:
    - Compaction to excess of 95% of the maximum dry density;
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    - CBR in excess of 8% on each and every engineered soil layer;
    - Maximum deformation under 150kN/m2 Plate Load of 5mm within each and every compacted layer.
  - All dimensions are in metres unless otherwise stated.
  - Do not scale drawings.
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  - The exact position of buried services shall be confirmed on site prior to the use of any mechanical plant.
  - Appropriate measures to be taken when working in or about deep excavations.
  - Appropriate measures to be taken to deal with groundwater. The works are in an area where groundwater has tidal influences.

P1	Insert earthworks intended to accommodate installation of ICT effluent mains	ISSUE	26/02/2021
P2	Revised	ISSUE	17/02/2021
Rev	Description	Rev	By Date
 <b>Shepherd Gilmour</b> Consulting Engineers Phoenix House, Cross Street Manchester, M2 4JF t: 0161 837 1500 w: www.shepherd-gilmour.co.uk			
Client <b>INDUSTRIE CARTARIE TRONCHETTI</b>			
Architect <b>AEW ARCHITECTS</b>			
Project <b>ICT PAPER MILL NORTHERN GATEWAY</b>			
Title <b>PROPOSED GAS MAIN WAG ROUNDABOUT TO RIVER DEE ADVANCED EARTHWORKS CROSS SECTIONS SHEET 4 OF 4</b>			
Date	11/02/2021	Drawn By	SWH
Scale	A1)	Checked By	EAJ
Scale	1:100	Approved By	EAJ
Drawn No.	<b>C1405/407</b>		Rev
			<b>P3</b>