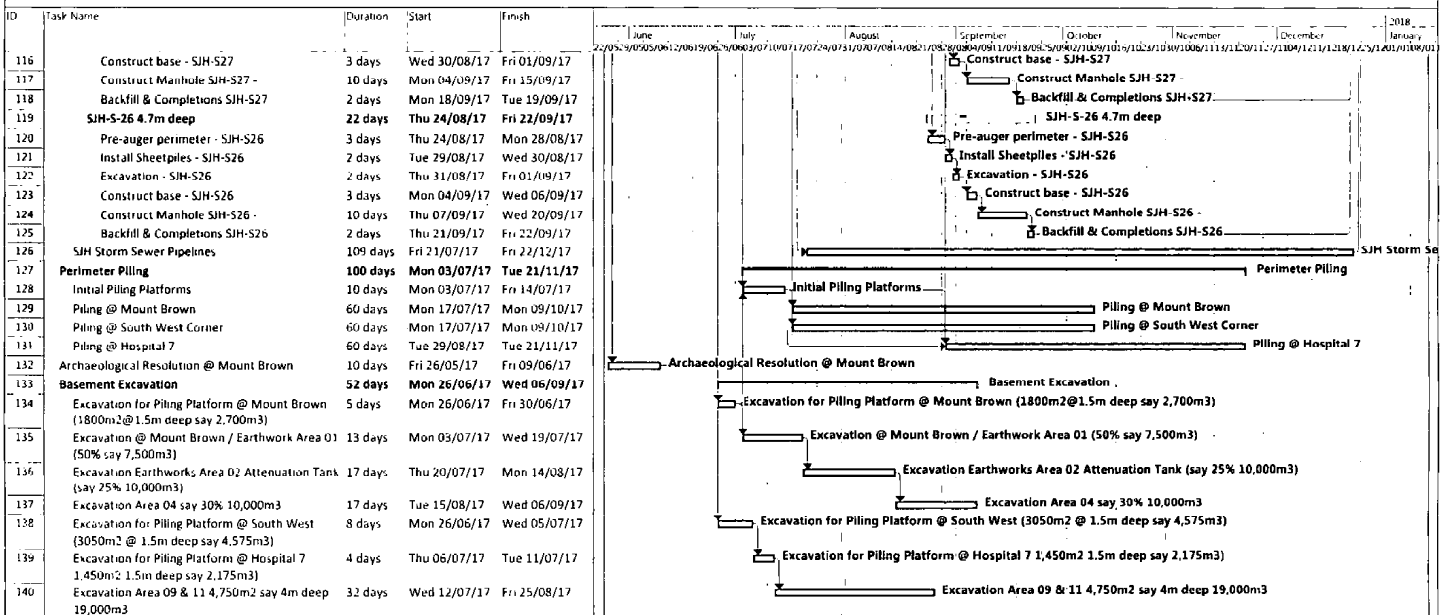
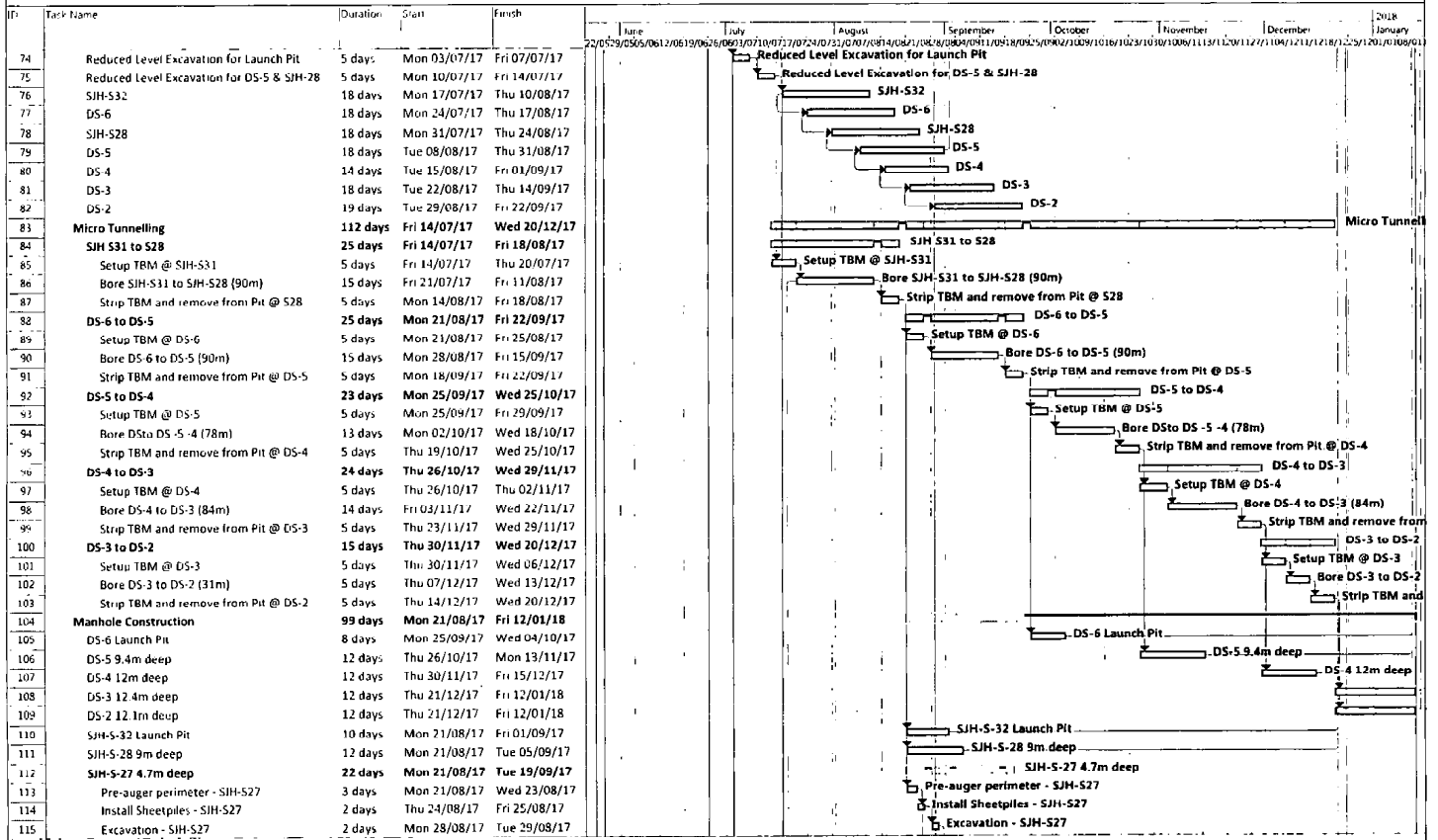

APPENDIX K: Surveying & Movement Monitoring (included)

PLAN NO	DATE REC'D
PARTX/0017	06 JUL 2017
DUBLIN CITY COUNCIL	
Planning Dept	Compliance

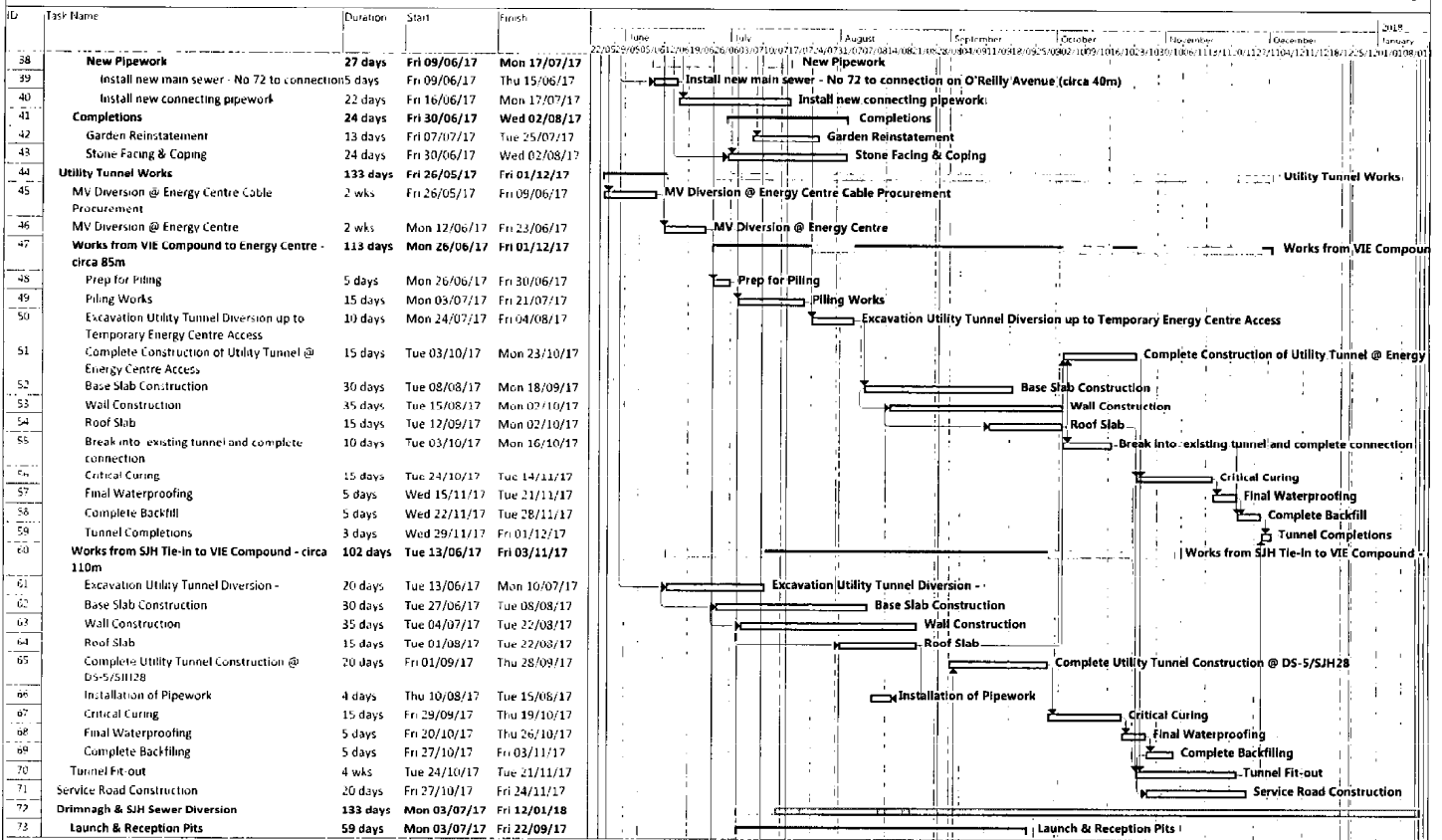
NCH Main Contract - Early Works



NCH Main Contract - Early Works



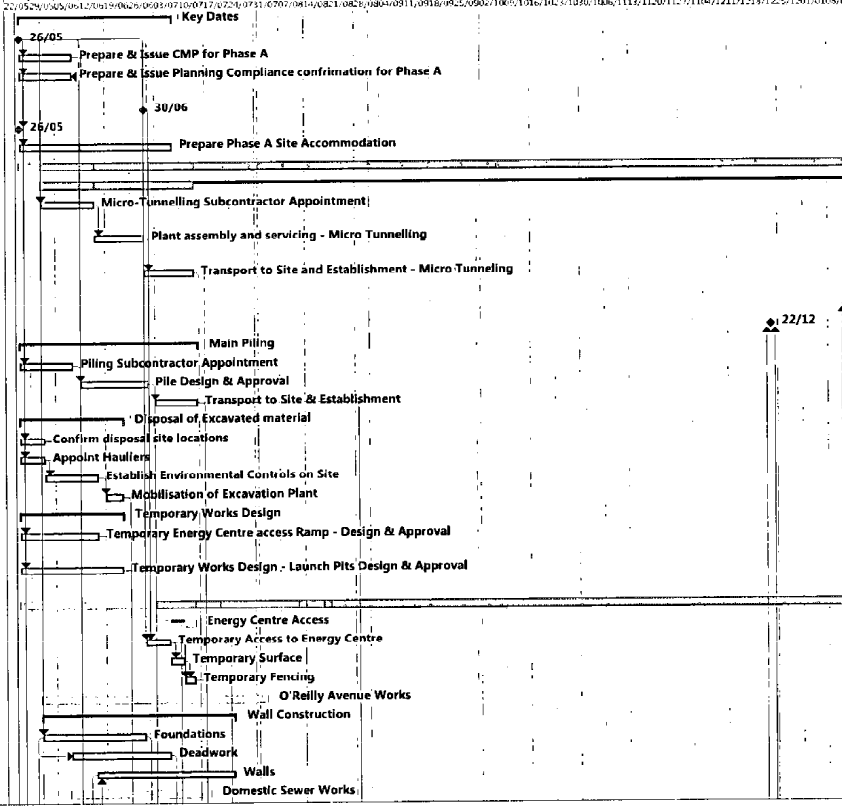
NCH Main Contract - Early Works



NCH Main Contract - Early Works



ID	Task Name	Duration	Start	Finish
1	Key Dates	30 days	Fri 26/05/17	Fri 07/07/17
2	Letter of Intent Issued	0 days	Fri 26/05/17	Fri 26/05/17
3	Prepare & Issue CMP for Phase A	2 wks	Fri 26/05/17	Fri 09/06/17
4	Prepare & Issue Planning Compliance confirmation for Phase A	2 wks	Fri 26/05/17	Fri 09/06/17
5	VIE Works Complete	0 days	Fri 30/06/17	Fri 30/06/17
6	Appointment of BAM Building as PSCS	0 days	Fri 26/05/17	Fri 26/05/17
7	Prepare Phase A Site Accommodation	6 wks	Fri 26/05/17	Fri 07/07/17
8	Procurement	158 days	Fri 26/05/17	Fri 12/01/18
9	Micro-Tunnelling	154 days	Thu 01/06/17	Fri 12/01/18
10	Micro-Tunnelling Subcontractor Appointment	2 wks	Thu 01/06/17	Thu 15/06/17
11	Plant assembly and servicing - Micro Tunnelling	2 wks	Fri 16/06/17	Thu 29/06/17
12	Transport to Site and Establishment - Micro Tunnelling	2 wks	Fri 30/06/17	Thu 13/07/17
13	Drumagh Sewer Complete	0 days	Fri 12/01/18	Fri 12/01/18
14	SH Storm Sewer Complete	0 days	Fri 22/12/17	Fri 22/12/17
15	Main Piling	35 days	Fri 26/05/17	Fri 14/07/17
16	Piling Subcontractor Appointment	2 wks	Fri 26/05/17	Fri 09/06/17
17	Pile Design & Approval	3 wks	Mon 12/06/17	Fri 30/06/17
18	Transport to Site & Establishment	2 wks	Mon 03/07/17	Fri 14/07/17
19	Disposal of Excavated material	20 days	Fri 26/05/17	Fri 23/06/17
20	Confirm disposal site locations	1 wk	Fri 26/05/17	Thu 01/06/17
21	Appoint Haulers	1 wk	Fri 26/05/17	Thu 01/06/17
22	Establish Environmental Controls on Site	2 wks	Fri 02/06/17	Fri 16/06/17
23	Mobilisation of Excavation Plant	1 wk	Mon 19/06/17	Fri 23/06/17
24	Temporary Works Design	20 days	Fri 26/05/17	Fri 23/06/17
25	Temporary Energy Centre access Ramp - Design & Approval	3 wks	Fri 26/05/17	Fri 16/06/17
26	Temporary Works Design - Launch Pits Design & Approval	4 wks	Fri 26/05/17	Fri 23/06/17
27	NCH Early Works	158 days	Fri 26/05/17	Fri 12/01/18
28	Energy Centre Access	10 days	Fri 30/06/17	Thu 13/07/17
29	Temporary Access to Energy Centre	5 days	Fri 30/06/17	Thu 06/07/17
30	Temporary Surface	2 days	Fri 07/07/17	Mon 10/07/17
31	Temporary Fencing	3 days	Tue 11/07/17	Thu 13/07/17
32	O'Reilly Avenue Works	44 days	Thu 01/06/17	Wed 02/08/17
33	Wall Construction	37 days	Thu 01/06/17	Mon 24/07/17
34	Foundations	20 days	Thu 01/06/17	Thu 29/06/17
35	Deadwork	20 days	Fri 09/06/17	Thu 06/07/17
36	Walls	27 days	Fri 16/06/17	Mon 24/07/17
37	Domestic Sewer Works	27 days	Fri 09/06/17	Mon 17/07/17



Project: NPH Advance Works
 Date: Thu 25/05/17

Task Split: [Legend]

Milestone: [Legend]

Project Summary: [Legend]

Deadline: [Legend]

Critical: [Legend]

Critical Split: [Legend]

Progress: [Legend]

Roll Up Task: [Legend]

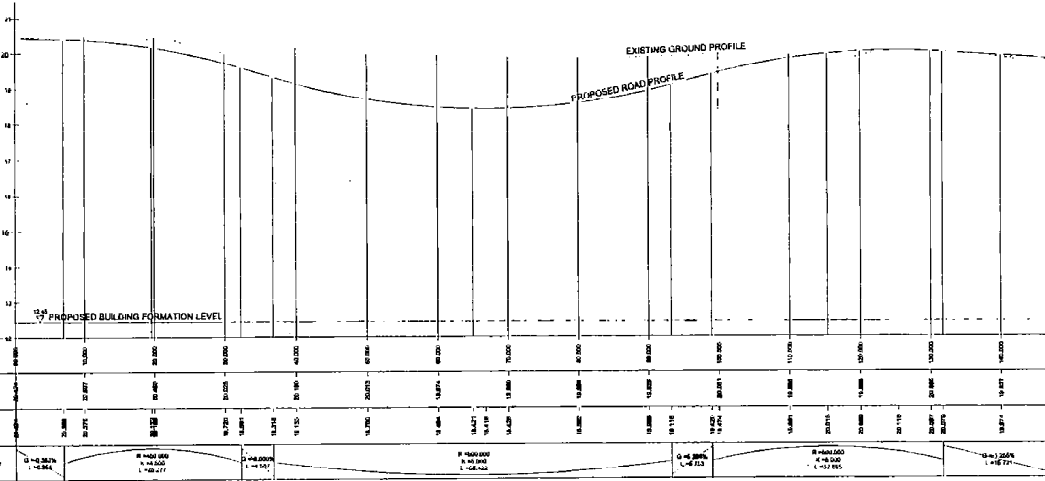
Polled Up Critical Group by: [Legend]

APPENDIX J: Phase A - 8 month Programme (included)

PLAN NO	DATE REC'D
PARTY 0017	06 JUL 2017
DUBLIN CITY COUNCIL Planning Dept. Compliance	

This drawing is produced using the Irish Transverse Mercator (ITM) Geographic Coordinate System

A1



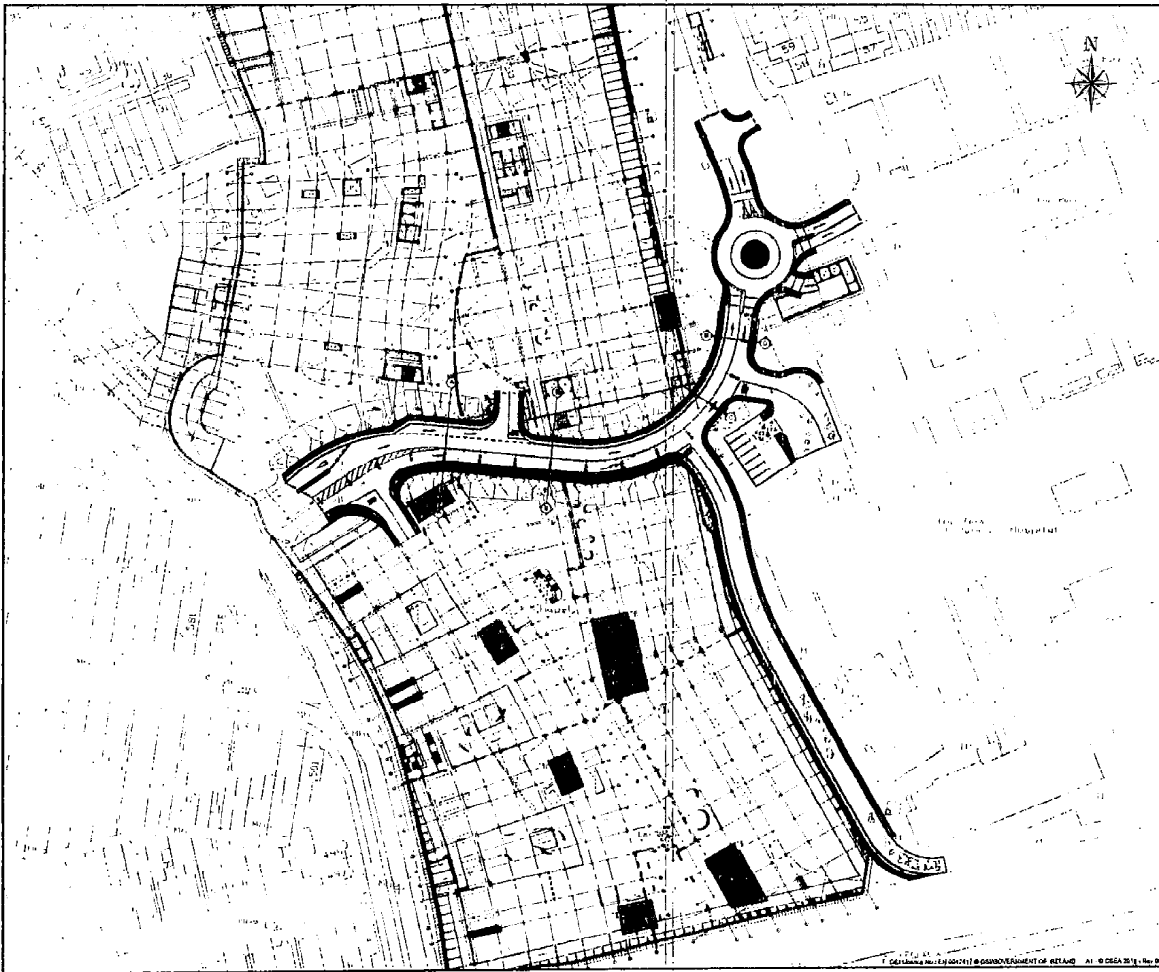
CSI	Project Number: 16_132_00_2900-C01	KT	2017/02/17
CADD	Scale: FOR COMMENT	KT	2017/02/17
Author	Author	Drawn	Drawn

bam

Clifton Samuel Emerson
A 16_132_00_2900

16_132_00_2900
16_132_00_2900
16_132_00_2900

Client: B&M Civil Ltd
 Desc: National Paediatric Hospital
 Job No: Access Road Profile
 Issue: KT Date: June 2017
 Author: CONSTRUCTION
 Scale: 1:250 A1
 Date: 16_132_00_2900-C01

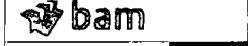


This drawing is produced using the
 Inter-Transverse Manual or (ITM)
 Geographic Coordinate System

A1

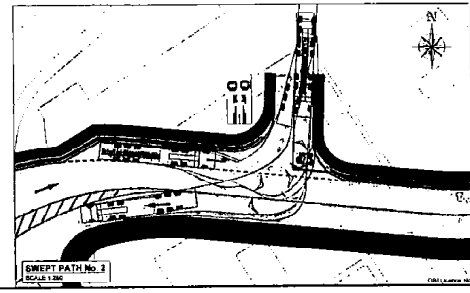
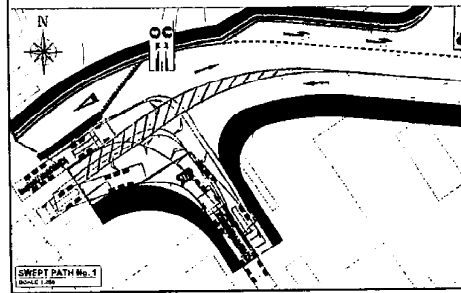
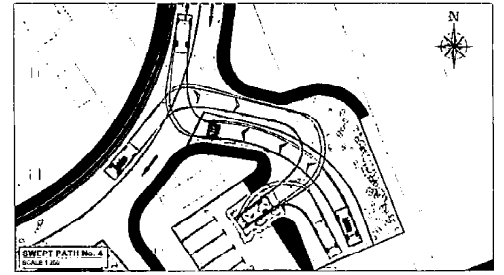
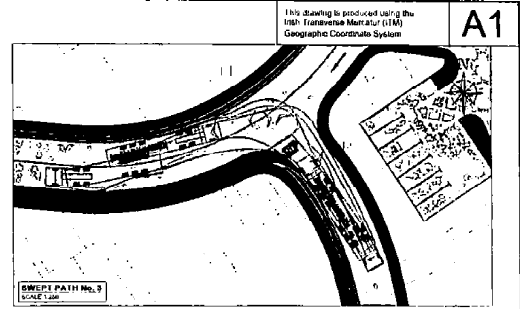
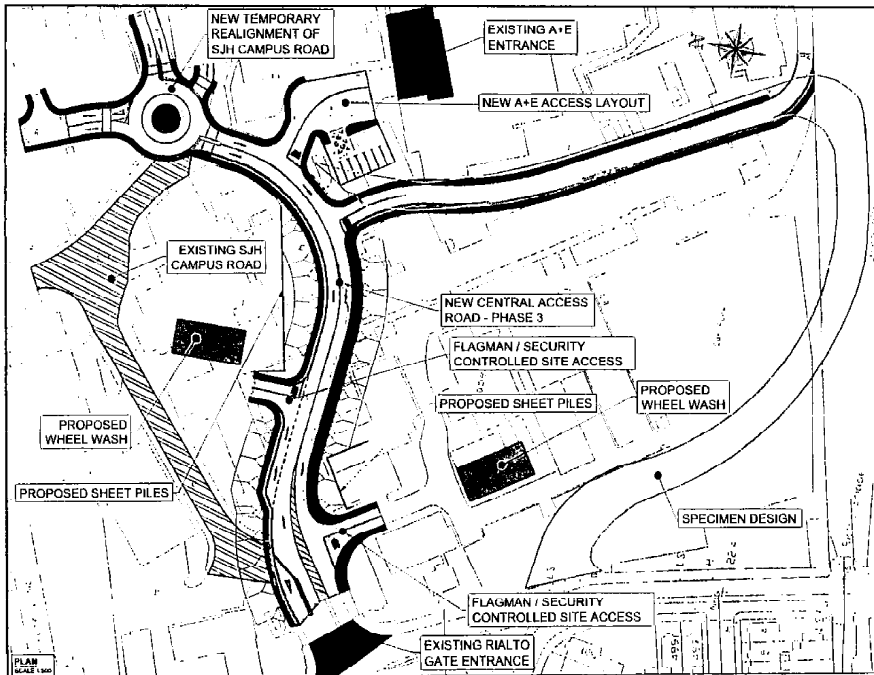
0512
 ROAD DESIGN, TRUCK & TRUCK DESIGN TO DRAWING NO. 16_132_00_2200_001

REV	DATE	DESCRIPTION	BY	CHKD



Client	BAM CIVIL LTD
Project	National Psychiatric Hospital
Site No.	Access Road Layout
Scale	1:1
Date	JUNE 2017
Sheet No.	1/220 of A1
Project Name	CONSTRUCTION
Sheet No.	16_132_00_2200-001

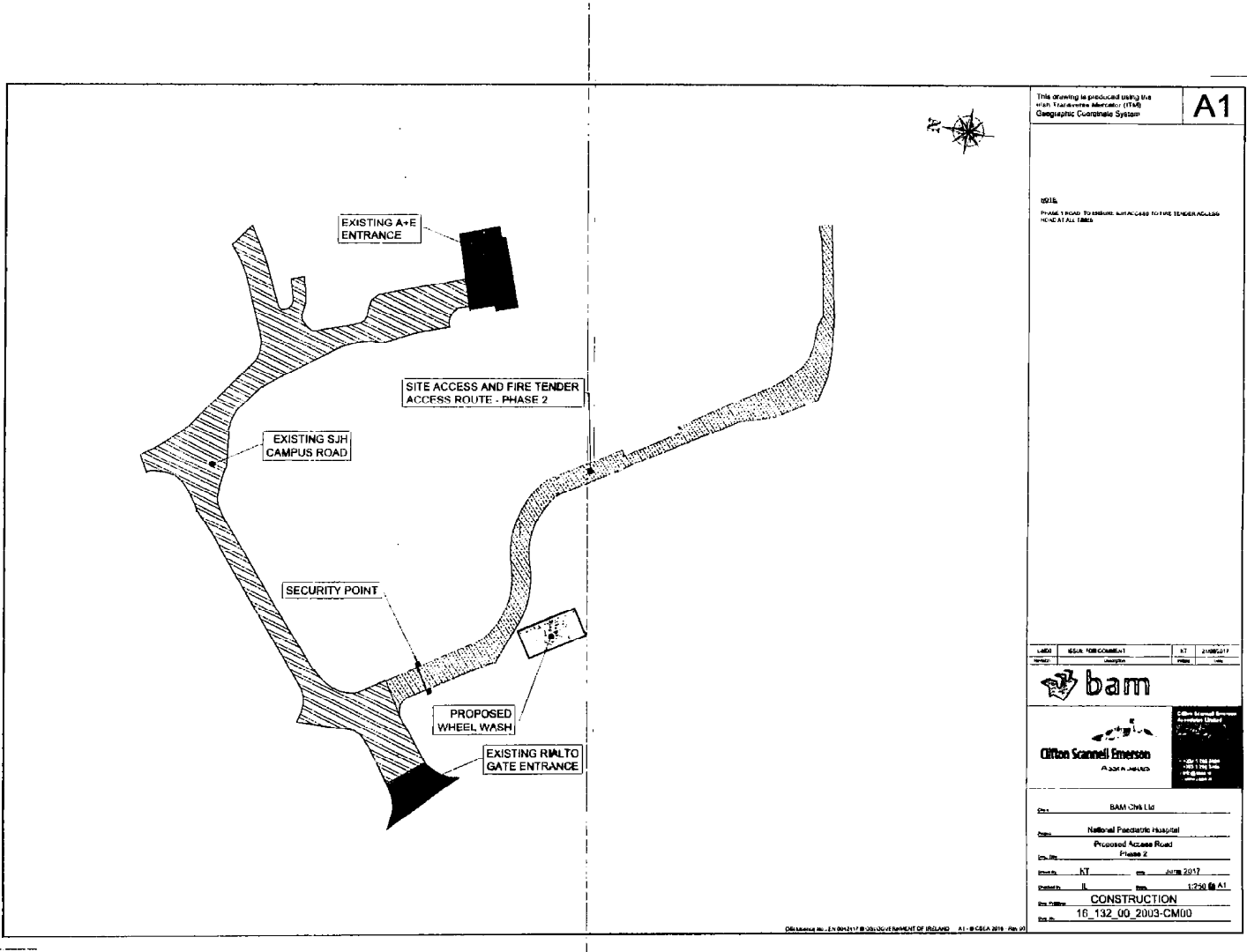
© 2017 BAM CIVIL LTD. ALL RIGHTS RESERVED. A1 © DECA 2017, Rev. 0



DATE	14/07/2017	REVISION	AT	28/09/2017
CHRG	60818 FOR CONRADT	NT	2/06/2017	

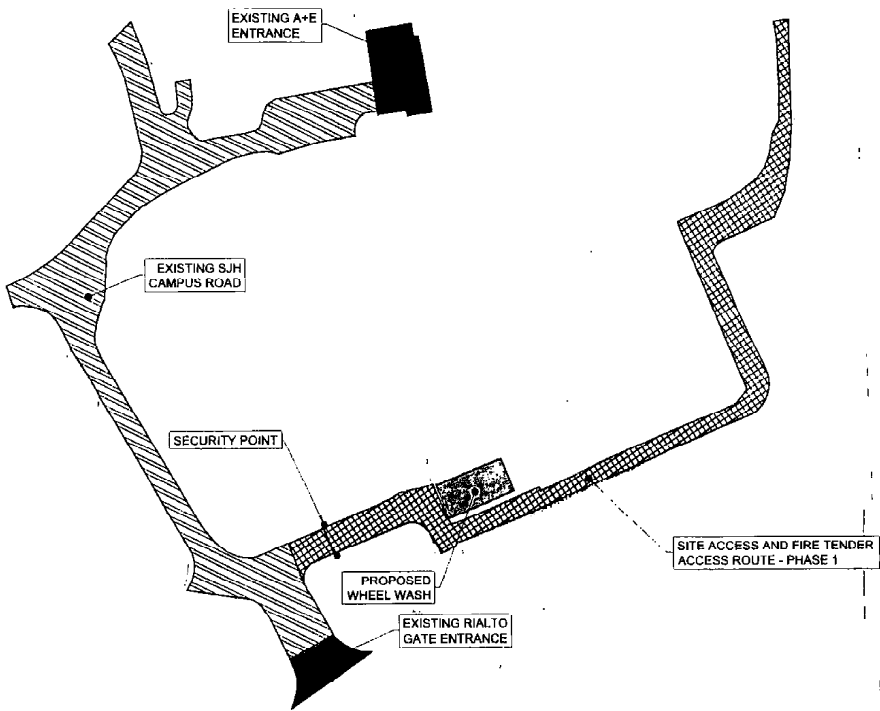
Clifton Samuel Emerson
 ASSOCIATES
 1102 - 12th Street
 Vancouver, BC
 V6Z 2G6

Client: **BAM CIVIL LTD**
 Project: **NATIONAL PAEDIATRIC HOSPITAL**
 Proposed Access Road
 Phase 3
 Contract No.: **NT** Issue Date: **July 2017**
 Scale: **1:500 @ A1**
CONSTRUCTION
 Date: **16_132_00_2004-C01**



This drawing is produced using the Irish Transverse Mercator (ITM) Geographic Coordinate System

A1



NOTES:
 PHASE 2 ROAD TO BE OPENED TO PUBLIC ACCESS TO FIRE TENDER ACCESS ROAD AT ALL TIMES

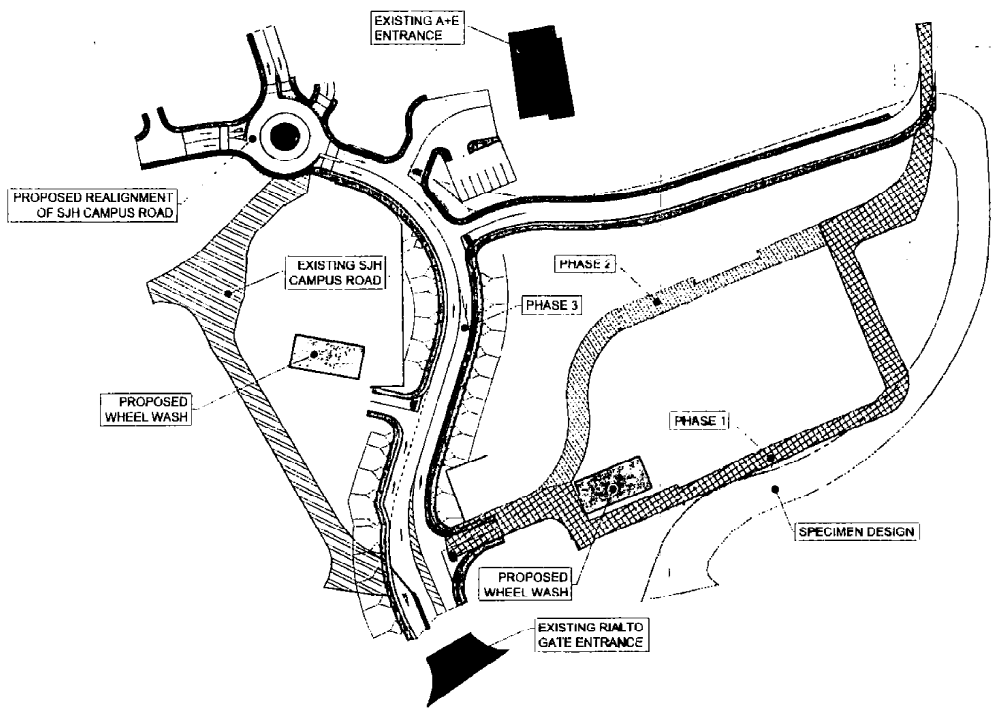
DATE	ISSUE FOR COMMENT	BY	DATE

bam
 CIVIL ENGINEERING
 CONSULTANTS

Cotton Scammell Emerson
 ASSOCIATES

1001 10th Street
 2nd Floor
 New York, NY 10018

Client:	BAMA Civil Ltd.
Project:	Proposed Access Road Phase 1
Drawn by:	Access Road Cross Sections
Checked by:	KT
Date:	JUN 2017
Scale:	1:250
Sheet:	CONSTRUCTION
File No.:	15_132_00_2002-CM00

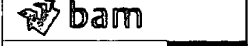


This drawing is produced using the Irish Transverse Mercator (ITM) Geographic Coordinate System

A1

NOTE:
PHASE 1 AND PHASE 2 ROADS TO ENSURE ACCESS TO FIRE RANGIA ACCESS ROAD AT ALL TIMES

DATE	16/03/2017	BY	20170317
CHECKED	16/03/2017	BY	20170317
DESIGNED		BY	



Client	BAM CIVIL Ltd
Project	National Paediatric Hospital Proposed Access Road Phasing Arrangement
Location	KT
Scale	1:250 @ A1
Drawn	CONSTRUCTION
Drawn No.	16_132_00_2001-C01

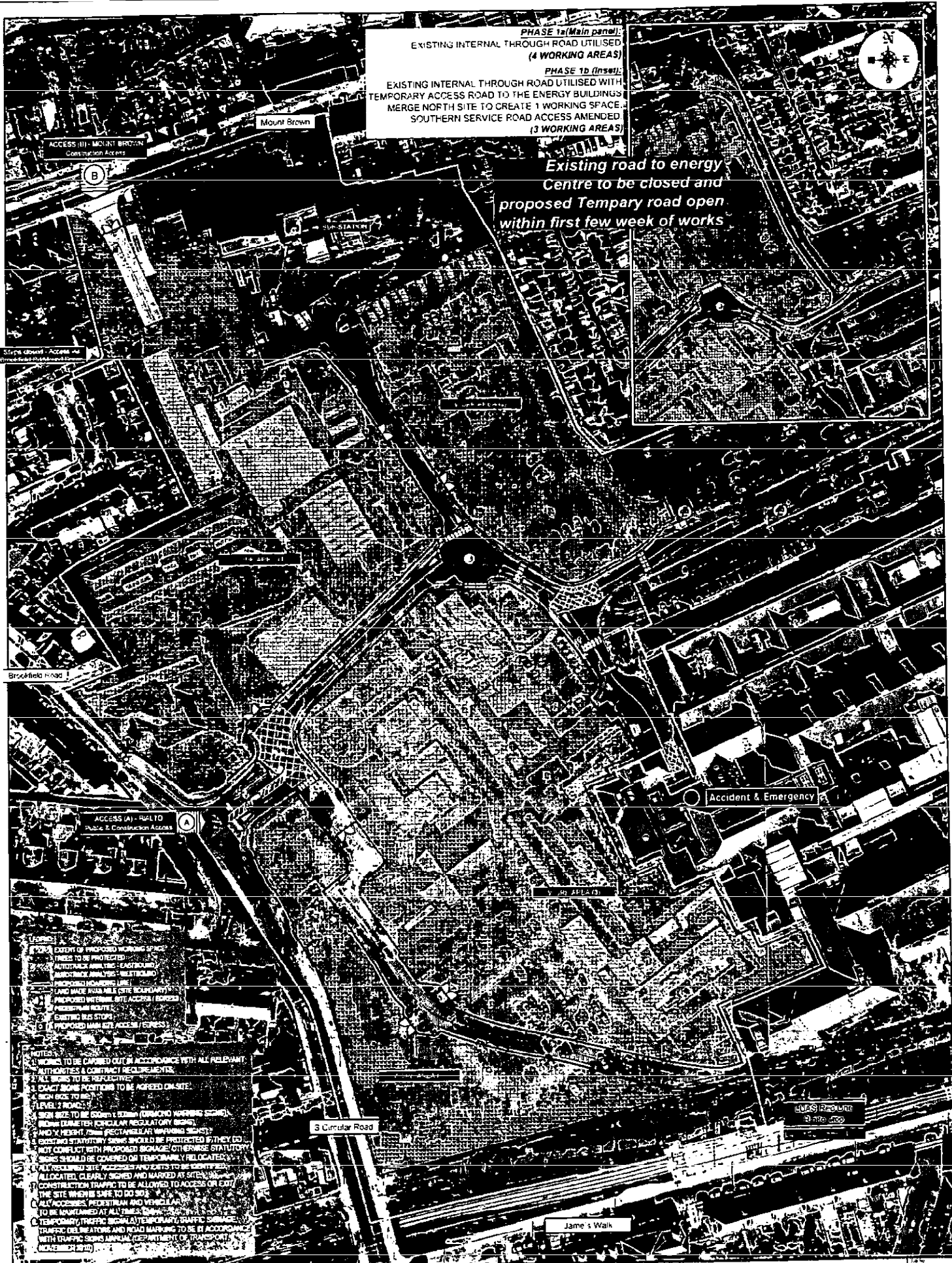
APPENDIX I: Central Access Road Layout (included)

PLAN NO.	DATE REC'D
06 JUL 2017	
DUBLIN CITY COUNCIL Planning Dept Compliance	

APPENDIX H: Traffic Management Plans (included)

Drawing No.	Drawing Title:
16 EM00x	Temporary Traffic Management Layout for Internal Site Traffic & Pedestrian Management to Facilitate Construction Works: Phase 1a & 1b
16 EM00x	Temporary Traffic Management Layout for the Temporary Mount Brown Access Arrangement to Facilitate Construction Access/Egress
16 EM001a	Temporary Traffic Management Layout for Transportation Routes to the NCH Construction Accesses A & B from the M50
-	Traffic Management Plan to Enable Removal of Spoil at Ambulance Centre Car Park, St. James Hospital
-	Worksite Warning Signage – Rialto Gate Access A
16_132_00_3800	Proposed Traffic Management Plan – Realigned Central Access Road
16_132_00_2200	Access Road Layout
16_132_00_2001-CM00	Proposed Access Road Phasing Arrangement
16_132_00_2002-CM00	Proposed Access Road Phase 1
16_132_00_2003-CM00	Proposed Access Road Phase 2
16_132_00_2004-CM00	Proposed Access Road Phase 3
16_132_00_2900-CM00	Access Road Profile
16_132_00_2901-CM00	Access Road Cross Sections

PLAN NO.	DATE REC'D
	06 JUL 2017
DUBLIN CITY COUNCIL	
Planning Dept	Compliance



PHASE 1a (Main panel):
 EXISTING INTERNAL THROUGH ROAD UTILISED
 (4 WORKING AREAS)

PHASE 1d (Inset):
 EXISTING INTERNAL THROUGH ROAD UTILISED WITH
 TEMPORARY ACCESS ROAD TO THE ENERGY BUILDINGS
 MERGE NORTH SITE TO CREATE 1 WORKING SPACE.
 SOUTHERN SERVICE ROAD ACCESS AMENDED.
 (3 WORKING AREAS)

Existing road to energy
 Centre to be closed and
 proposed Tempary road open
 within first few week of works



ACCESS (B) - MOUNT BROWN
 Construction Access

(B)

ACCESS (A) - RFLTD
 Access & Construction Access

(A)

Accident & Emergency

(3) Circular Road

James Walk

URS REQUIRE
 21.07.2010

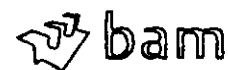
- LEGEND**
- PROPOSED WORKING AREAS
 - EXISTING ROADWAYS - CARROUSEL
 - EXISTING ROADWAYS - BELLFIELD
 - EXISTING ROADWAYS - BROCKFIELD
 - EXISTING ROADWAYS - JAMES WALK
 - EXISTING ROADWAYS - MOUNT BROWN
 - EXISTING ROADWAYS - CIRCULAR ROAD
 - EXISTING ROADWAYS - ACCESS (A)
 - EXISTING ROADWAYS - ACCESS (B)
 - EXISTING ROADWAYS - ACCESS (C)
 - EXISTING ROADWAYS - ACCESS (D)
 - EXISTING ROADWAYS - ACCESS (E)
 - EXISTING ROADWAYS - ACCESS (F)
 - EXISTING ROADWAYS - ACCESS (G)
 - EXISTING ROADWAYS - ACCESS (H)
 - EXISTING ROADWAYS - ACCESS (I)
 - EXISTING ROADWAYS - ACCESS (J)
 - EXISTING ROADWAYS - ACCESS (K)
 - EXISTING ROADWAYS - ACCESS (L)
 - EXISTING ROADWAYS - ACCESS (M)
 - EXISTING ROADWAYS - ACCESS (N)
 - EXISTING ROADWAYS - ACCESS (O)
 - EXISTING ROADWAYS - ACCESS (P)
 - EXISTING ROADWAYS - ACCESS (Q)
 - EXISTING ROADWAYS - ACCESS (R)
 - EXISTING ROADWAYS - ACCESS (S)
 - EXISTING ROADWAYS - ACCESS (T)
 - EXISTING ROADWAYS - ACCESS (U)
 - EXISTING ROADWAYS - ACCESS (V)
 - EXISTING ROADWAYS - ACCESS (W)
 - EXISTING ROADWAYS - ACCESS (X)
 - EXISTING ROADWAYS - ACCESS (Y)
 - EXISTING ROADWAYS - ACCESS (Z)
- NOTES**
1. WORKS TO BE CARRIED OUT IN ACCORDANCE WITH ALL RELEVANT AUTHORITIES & CONTRACT REQUIREMENTS.
 2. SITE ACCESS TO BE MAINTAINED AT ALL TIMES.
 3. DRAFT WORKS PROPOSALS TO BE AGREED ON SITE.
 4. SIGN BOARDS TO BE:
 - LEVEL 1 ROAD:
 - LEVEL 2 ROAD:
 - LEVEL 3 ROAD:
 - LEVEL 4 ROAD:
 - LEVEL 5 ROAD:
 - LEVEL 6 ROAD:
 - LEVEL 7 ROAD:
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 - LEVEL 49 ROAD:
 - LEVEL 50 ROAD:

				BAM		18 143
Traffic Management Design Ltd		100-101, The Quadrant, Dublin 4		NATIONAL CHILDRENS HOSPITAL (NCH), DUBLIN		Drawing No. 16 EN00
100-101, The Quadrant, Dublin 4		Tel: 01 454 4444 Fax: 01 454 4444 Email: info@bam.ie		Project File: 16 EN00		Draft
100-101, The Quadrant, Dublin 4		Tel: 01 454 4444 Fax: 01 454 4444 Email: info@bam.ie		Drawing Title: TEMPORARY TRAFFIC MANAGEMENT LAYOUT FOR INTERNAL SITE TRAFFIC & PEDESTRIAN MANAGEMENT TO FACILITATE CONSTRUCTION WORKS - PHASE 1a & 1b		

APPENDIX A: Construction Stage Safety and Health Plan

(to be issued under separate cover)

PLAN NO.	DATE REC'D
PARTX/0017	06 JUL 2017
DUBLIN CITY COUNCIL	
Planning Dept	Compliance



APPENDIX B: Environmental Management Plan *(included)*

PLAN NO.	DATE REC'D
PARTx/0017	06 JUL 2017
DUBLIN CITY COUNCIL	
Planning Dept	Compliance