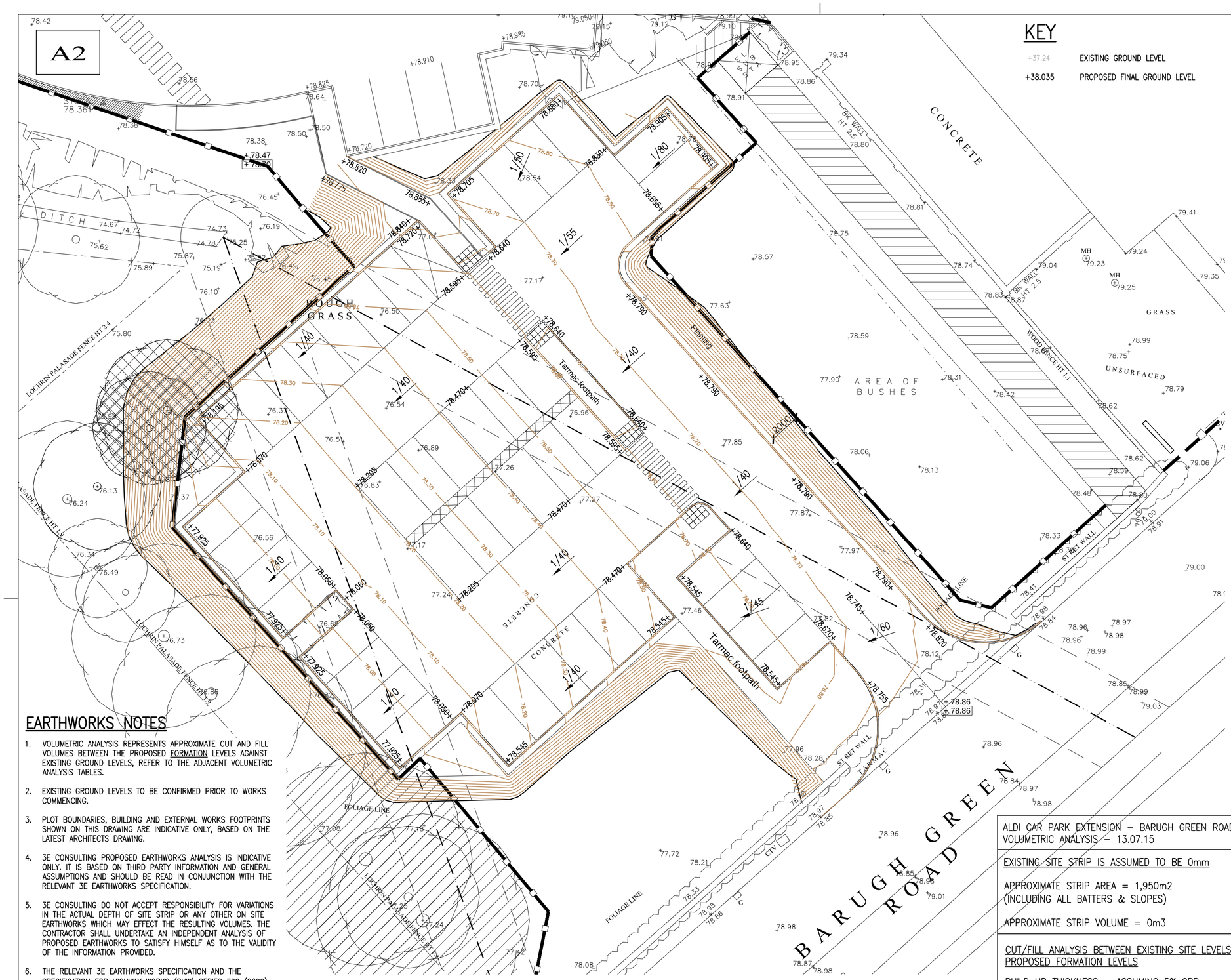
A2



EARTHWORKS NOTES

1. VOLUMETRIC ANALYSIS REPRESENTS APPROXIMATE CUT AND FILL VOLUMES BETWEEN THE PROPOSED FORMATION LEVELS AGAINST EXISTING GROUND LEVELS, REFER TO THE ADJACENT VOLUMETRIC ANALYSIS TABLES.
2. EXISTING GROUND LEVELS TO BE CONFIRMED PRIOR TO WORKS COMMENCING.
3. PLOT BOUNDARIES, BUILDING AND EXTERNAL WORKS FOOTPRINTS SHOWN ON THIS DRAWING ARE INDICATIVE ONLY, BASED ON THE LATEST ARCHITECTS DRAWING.
4. 3E CONSULTING PROPOSED EARTHWORKS ANALYSIS IS INDICATIVE ONLY. IT IS BASED ON THIRD PARTY INFORMATION AND GENERAL ASSUMPTIONS AND SHOULD BE READ IN CONJUNCTION WITH THE RELEVANT 3E EARTHWORKS SPECIFICATION.
5. 3E CONSULTING DO NOT ACCEPT RESPONSIBILITY FOR VARIATIONS IN THE ACTUAL DEPTH OF SITE STRIP OR ANY OTHER ON SITE EARTHWORKS WHICH MAY EFFECT THE RESULTING VOLUMES. THE CONTRACTOR SHALL UNDERTAKE AN INDEPENDENT ANALYSIS OF PROPOSED EARTHWORKS TO SATISFY HIMSELF AS TO THE VALIDITY OF THE INFORMATION PROVIDED.
6. THE RELEVANT 3E EARTHWORKS SPECIFICATION AND THE SPECIFICATION FOR HIGHWAY WORKS (SHW) SERIES 600 (2009) PUBLISHED BY HMSO SHALL FORM THE BASE SPECIFICATION FOR ALL EARTHWORKS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLASSIFICATION, TESTING, PLACING AND COMPACTION OF MATERIAL IN ACCORDANCE WITH CLAUSES 601, 602, 603, 608, 612 AND 613.
7. APPROXIMATE EARTHWORK VOLUMES HAVE BEEN DETERMINED BASED ON THE FOLLOWING ASSUMPTIONS/CAVEATS:
   a. NO SITE STRIP IS ASSUMED.
   b. NO BULKING FACTORS HAVE BEEN CONSIDERED.
   c. ARISINGS FROM DRAINAGE AND FOUNDATION EXCAVATIONS NOT CONSIDERED.
   d. DEMOLITION MATERIAL FROM EXISTING BUILDINGS/SLABS NOT CONSIDERED.

DO NOT SCALE.

ALL VOLUMES ARE APPROXIMATE

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Contractors should refer to the residual risks contained in the CDM Pre Construction Information before carrying out any site operations and should not issue parts of this drawing without including the CDM notes and references. This information will include details of the SIGNIFICANT risks which 3E have considered beyond that which a competent contractor should be aware.

HEALTH & SAFETY
1. CONTRACTOR SHOULD BE AWARE OF GENERAL CONSTRUCTION RISKS TO PREVENT SLIPS, TRIPS AND FALLS AND TAKE NECESSARY PRECAUTIONS WITHOUT SPECIAL INSTRUCTION.

ROADS & DRAINAGE
2. CONTRACTOR TO PROVIDE TRENCH SUPPORTS AS APPROPRIATE AND ENSURE THAT PLANT REMAINS A SAFE DISTANCE FROM TRENCHES PRIOR TO INSTALLING DRAINAGE
3. THE TIME THAT EXCAVATIONS ARE OPEN ON SITE SHOULD BE KEPT TO A MINIMUM AND ALL TRENCHES SHOULD BE SURROUNDED BY A BARRIER.
4. CONNECTIONS TO EXISTING SEWERS TO BE MADE BY NWL APPROVED CONTRACTOR ONLY.
5. CONTRACTOR TO MAKE OPERATIVES AWARE OF ASSOCIATED DANGERS TO HEALTH SUCH AS LEPTOSPIROSIS (WEILS DISEASE) AND RECOMMENDED PRECAUTIONS. ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING TO BE PROVIDED AS REQUIRED.
6. UNFINISHED MANHOLES MUST BE COVERED WITH LOAD BEARING MATERIALS AND SURROUNDED WITH BARRIER.

PIPES & CABLES
7. SERVICE RECORDS TO BE REFERRED TO PRIOR TO WORK COMMENCING. CONTRACTOR TO PROCEED WITH CAUTION AND SERVICES TO BE LOCATED BY HAND DIG AND PROTECTED ACCORDINGLY.

EXCAVATION/FILL
8. CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.
9. CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
10. CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.

Date	Revisions	Drawn	Rev.
22.02.16	ISSUED FOR CONSTRUCTION.	JM	A
30.07.15	TENDER ISSUE.	JM	P2
13.07.15	INITIAL ISSUE	JM	P1

ALDI CAR PARK EXTENSION – BARUGH GREEN ROAD
VOLUMETRIC ANALYSIS – 13.07.15

EXISTING SITE STRIP IS ASSUMED TO BE 0mm

APPROXIMATE STRIP AREA = 1,950m2
(INCLUDING ALL BATTERS & SLOPES)

APPROXIMATE STRIP VOLUME = 0m3

CUT/FILL ANALYSIS BETWEEN EXISTING SITE LEVELS AND PROPOSED FORMATION LEVELS

BUILD UP THICKNESS – ASSUMING 5% CBR

CAR PARK ACCESS & BAYS	=	410mm
CONCRETE MARGIN	=	250mm
FOOTWAY	=	220mm
LANDSCAPING	=	150mm

CUT/FILL RATIO

PROPOSED FORMATION LEVELS TO EXISTING SITE LEVELS

FULL SITE	CUT	FILL
GROSS:	40	1,282
NETT:		1,242

MODEL = P:\3e_Projects\12588\Drawings\PDS\existing.dgm
MODEL = P:\3e_Projects\12588\Drawings\PDS\proposed3d.dgm

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wakefield
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www.3econsult.com

Client: Aldi Stores Ltd [South]

Project: Aldi (Car Park Extension)
Barugh Green Rd, Barnsley

Title: Proposed External Levels

Scale	Drawn	Checked	Date
1:200	JM	ST	JUL 15

Drawing Status: Construction

Job No.	Drawing No.	Revision
12588W	C2000	A