

EARTHWORKS KEY

- SITE BOUNDARY
- 1.00 DENOTES DEPTH OF FILL
- 1.00 DENOTES DEPTH OF CUT
- 0.00 DENOTES DEPTH OF ZERO CUT/FILL

**ALDI STORE, OLD MILL LANE, BARNSELY
EARTHWORKS ANALYSIS - 08.08.19**

EXISTING SITE STRIP
ALLOW 100mm DEEP SITE STRIP OF EXISTING GRASS / TOPSOIL.
TOTAL AREA = 6,780m²
TOTAL VOLUME = 678m³

MATERIAL DEEMED UNSUITABLE FOR RE-USE AS ENGINEERING FILL AND TO BE DISPOSED OFF SITE. SELECTED STRIP MATERIAL MAY BE SUITABLE FOR USE IN THE PROPOSED LANDSCAPE AREAS.

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

ASSUME THE FOLLOWING DEPTH TO FORMATION

LANDSCAPING	=	150mm
FOOTWAYS	=	300mm
ENTRANCE	=	350mm
FOOD STORE	=	375mm
CONCRETE RAMP	=	450mm
CAR PARKING	=	450mm
HGV ACCESS	=	600mm

CUT/FILL RATIO

PROPOSED FORMATION LEVELS TO EXISTING SITE STRIP LEVELS		
ALDI FOOTSTORE	GROSS:	617 / 1,891
	NETT:	1,274

THE ABOVE CUT/FILL ANALYSIS SHOWS A NET SURPLUS OF 1,274m³ OF FILL MATERIAL TO BE REMOVED FROM SITE.

ALL VOLUMES ARE APPROXIMATE

EARTHWORKS NOTES

- REFERENCE SHALL BE MADE TO THE 3E EARTHWORKS STRATEGY/EARTHWORKS SPECIFICATION
- ISOPACHYTE CONTOURS/VOLUMETRIC ANALYSIS REPRESENT APPROXIMATE CUT AND FILL VOLUMES BETWEEN THE PROPOSED FORMATION LEVELS AGAINST EXISTING GROUND LEVELS FOLLOWING SITE STRIP. REFER TO THE ADJACENT VOLUMETRIC ANALYSIS TABLES.
- EXISTING GROUND AS TOPOGRAPHICAL SURVEY UNDERTAKEN BY MET GEO ENVIRONMENTAL REF:12111-723-3DT-RAW
- PLOT BOUNDARIES AND BUILDING AND EXTERNAL WORKS FOOTPRINTS SHOWN ON THIS DRAWING ARE INDICATIVE ONLY, BASED ON THE LATEST ARCHITECTS DRAWING.
- 3E CONSULTING PROPOSED EARTHWORKS ANALYSIS, INCLUDING SITE STRIP, IS INDICATIVE ONLY. IT IS BASED ON THIRD PARTY INFORMATION AND GENERAL ASSUMPTIONS AND SHOULD BE READ IN CONJUNCTION WITH THE RELEVANT EARTHWORKS SPECIFICATION.
- 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.
- THE SPECIFICATION FOR HIGHWAY WORKS (SHW) SERIES 600 (1998) 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.
- APPROXIMATE EARTHWORK VOLUMES HAVE BEEN DETERMINED BASED ON THE FOLLOWING ASSUMPTIONS/CAVEATS:
 - SITE STRIP - REFER TO THE ADJACENT VOLUMETRIC ANALYSIS TABLES.
 - NO BULKING FACTORS HAVE BEEN CONSIDERED.
 - ARISINGS FROM DRAINAGE AND FOUNDATION EXCAVATIONS NOT CONSIDERED.
 - DEMOLITION MATERIAL FROM EXISTING BUILDINGS/STRUCTURES HAS NOT BEEN CONSIDERED

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Note for Contractors

This 3E drawing should be considered along with the risk information contained in the CDM Pre Construction Information. This information will include details of the SIGNIFICANT risks which 3E have identified which may arise from constructing the designs shown on this drawing. A competent Contractor should be aware of the typical risks associated with doing this work.

Note for Workers

DO NOT START YOUR WORK unless you know the Risks and Controls relating to the work on this drawing (including SAFE SEQUENCES OF WORK and EQUIPMENT).

Do not issue copies of parts of this drawing without the above Note for Workers (unless you are sure that the Workers can undertake the work safely).

HEALTH & SAFETY

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

ROADS & DRAINAGE

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

PIPES & CABLES

- ALL EXISTING SERVICE RECORDS TO BE OBTAINED FROM THE M&E CONSULTANT.
- THE CONTRACTOR SHOULD BE AWARE OF AND REFER TO ALL THE RELEVANT SERVICE RECORDS PRIOR TO ANY WORK COMMENCING. ALL NECESSARY PERMISSIONS AND PROTECTION MEASURES TO BE IN PLACE PRIOR TO ANY EXCAVATION WORKS. FOR THE AVOIDANCE OF DOUBT ANY DISCREPANCIES SHOULD BE REPORTED TO THE M&E AND CIVIL CONSULTANTS IMMEDIATELY. THE CONTRACTOR SHOULD PROCEED WITH CAUTION AND LOCATE ALL SERVICES BY HAND DIG ONLY.

EXCAVATION/FILL

- CONTRACTOR TO ENSURE RELEVANT MEASURES ARE TAKEN TO KEEP PLANT AND PEOPLE A SAFE DISTANCE FROM STEEP SLOPES DURING THE WORKS.
- CONTRACTOR TO ENSURE THAT PROCEDURES ARE IN PLACE TO KEEP PEOPLE A SAFE DISTANCE FROM WORKING PLANT WHERE NECESSARY.
- CONTRACTOR TO REFER TO GROUND INVESTIGATION REPORT FOR CONTAMINATION TESTS AND TO PROVIDE ADEQUATE WELFARE FACILITIES AND PROTECTIVE CLOTHING AS REQUIRED.
- ALL FILL MATERIAL, COMPACTION METHOD AND TESTING REGIME TO BE IN ACCORDANCE WITH THE CURRENT 3E CONSULTING ENGINEERS EARTHWORKS SPECIFICATION.

08.08.19	INITIAL ISSUE	NA	P1
Date	Revisions	Drawn	Rev

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Client
Aldi Stores Ltd (Goldthorpe North)

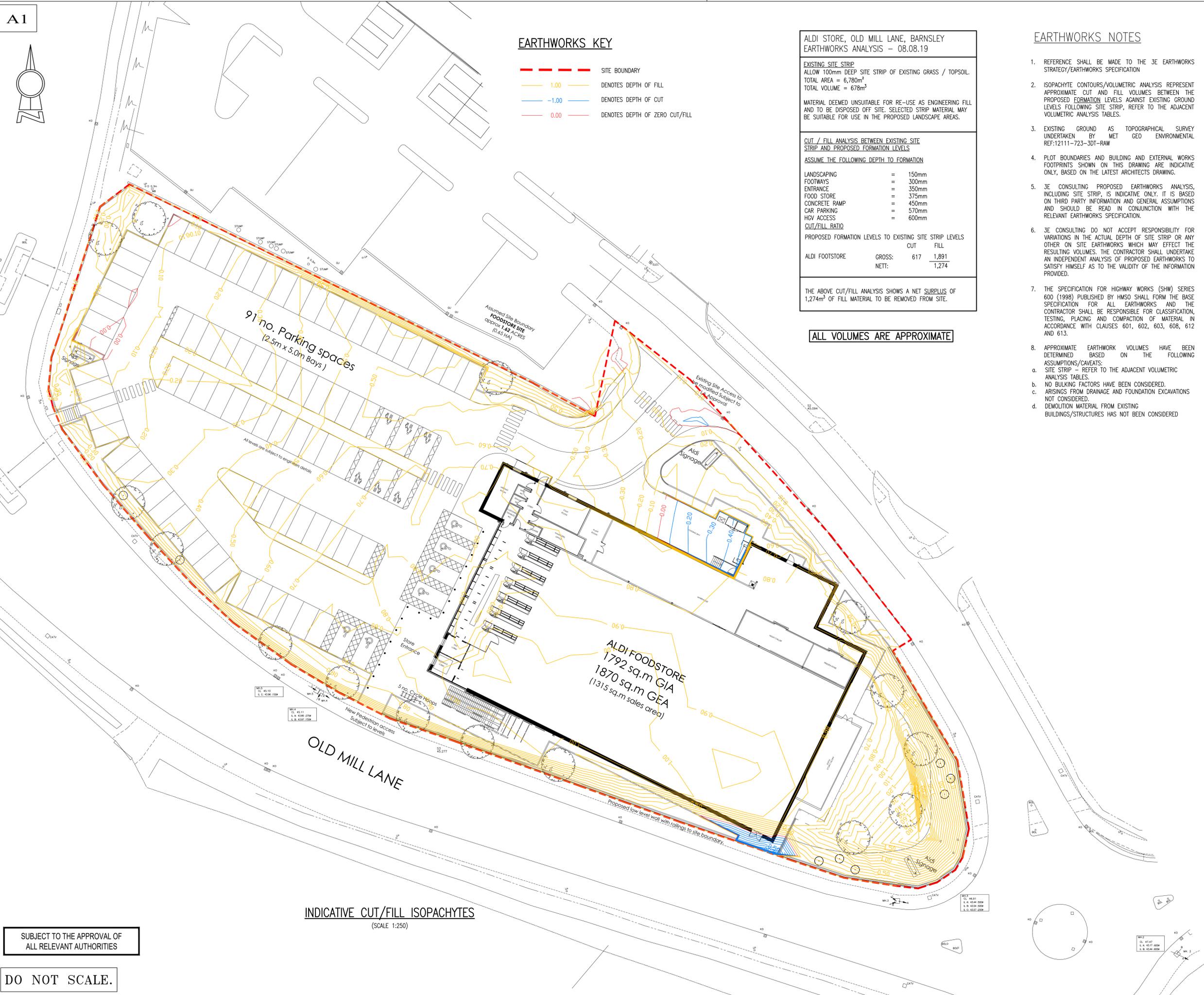
Project
**Aldi Store
Old Mill Lane
Barnsley**

Title
Proposed Earthworks Analysis

Scale	1:250	Author	NA	Checked	JM	Date	Aug '19
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Drawing Status
Preliminary

Job Number	15004	Originator	3E	Zone	00	Level	XX	Type	DR	Role	C	Drawing No.	3000	Rev	P1
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INDICATIVE CUT/FILL ISOPACHYTES
(SCALE 1:250)

SUBJECT TO THE APPROVAL OF ALL RELEVANT AUTHORITIES

DO NOT SCALE.